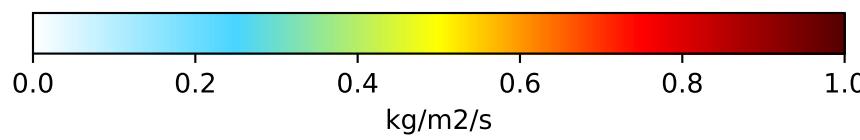
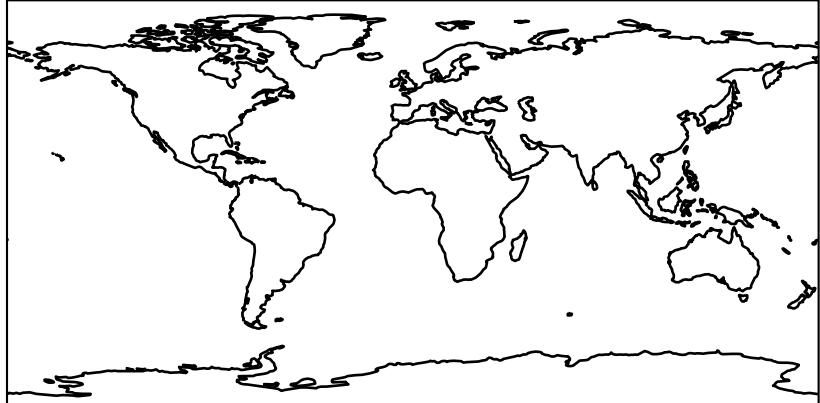
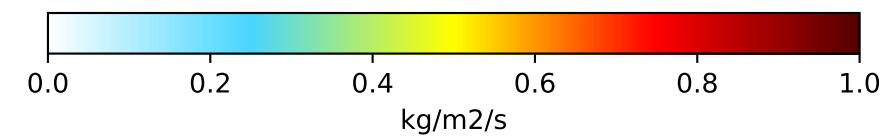


EmisEOH_Anthro

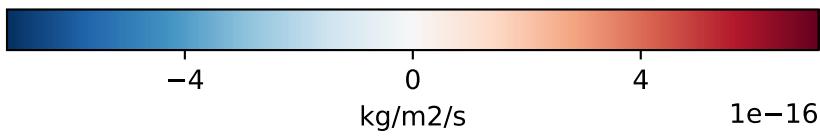
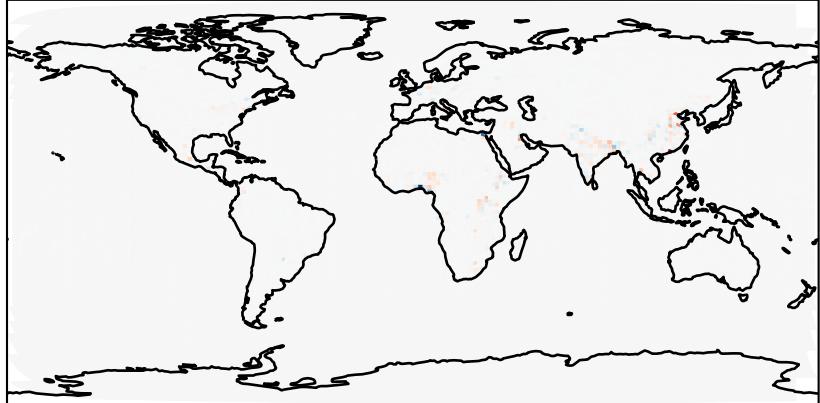
GCHP_13.0.0-rc.2 (Ref)
c48



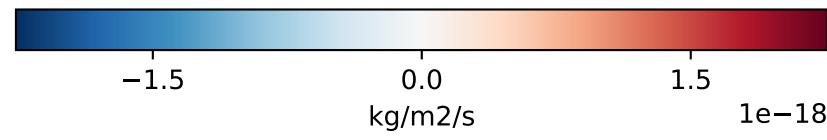
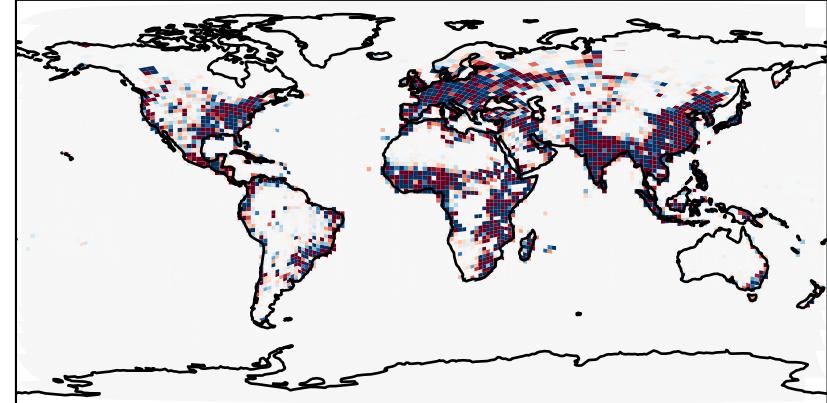
GCHP_13.1.0-beta.1 (Dev)
c48



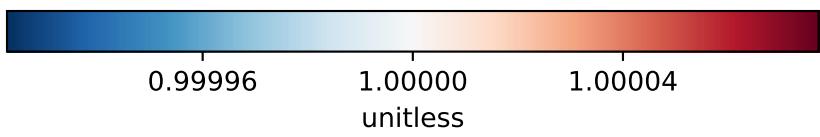
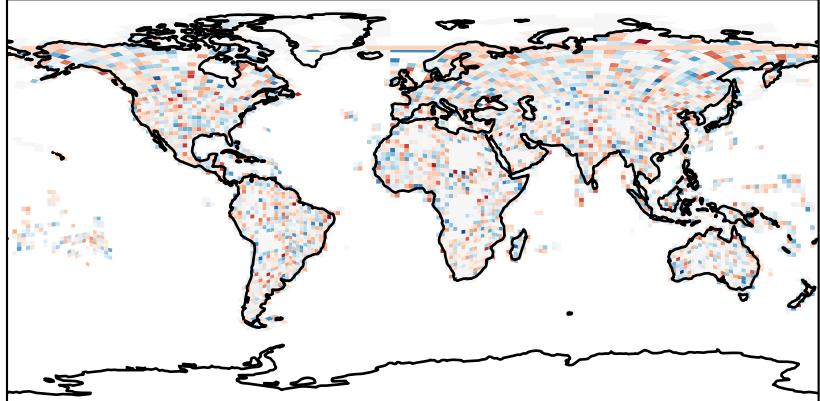
Difference
Dev - Ref, Dynamic Range



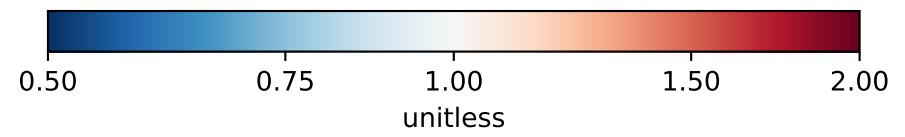
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

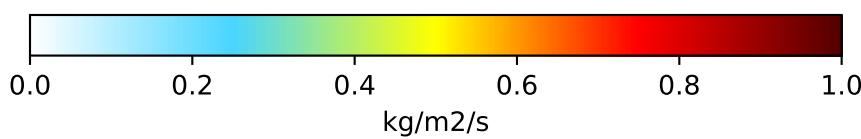
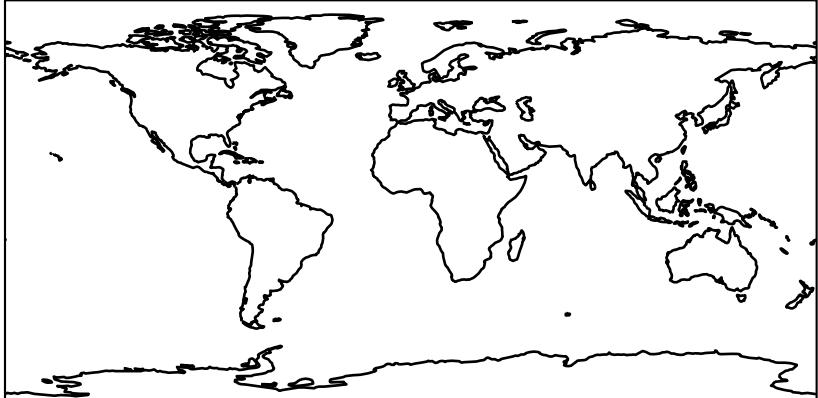


Ratio
Dev/Ref, Fixed Range

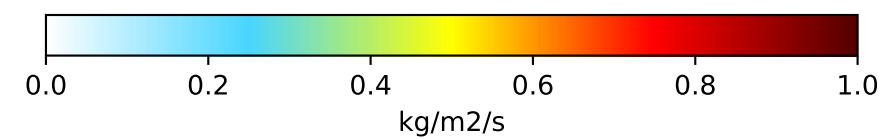
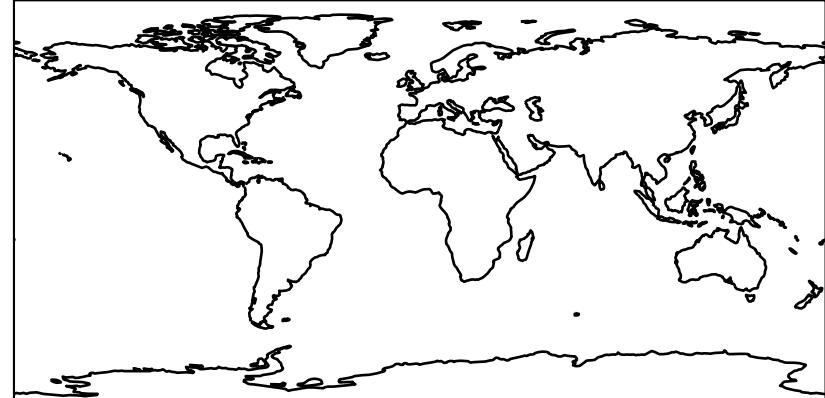


EmisEOH_BioBurn

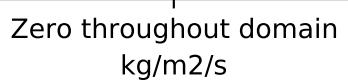
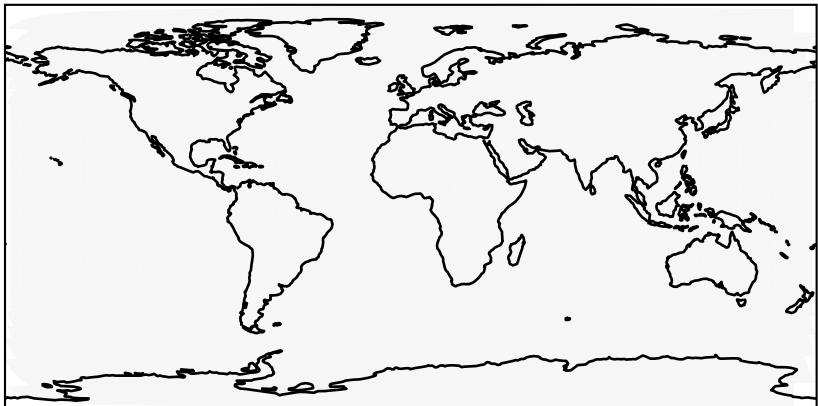
GCHP_13.0.0-rc.2 (Ref)
c48



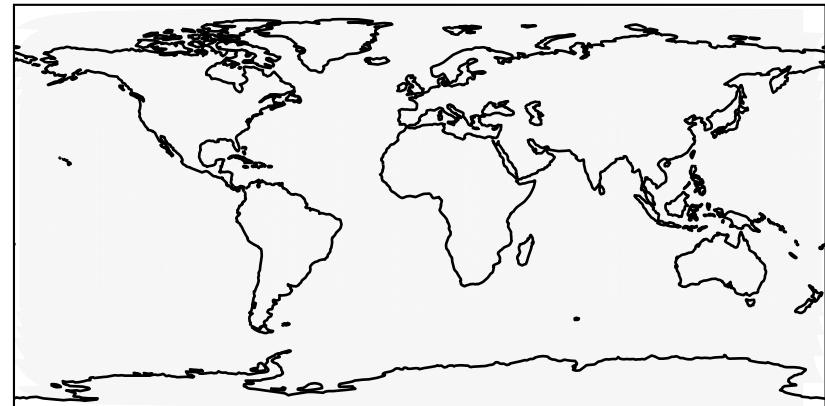
GCHP_13.1.0-beta.1 (Dev)
c48



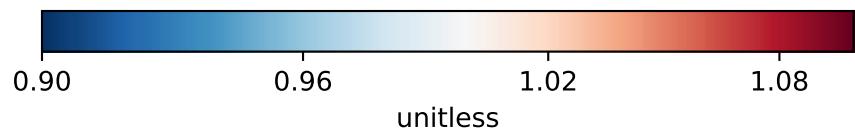
Difference
Dev - Ref, Dynamic Range



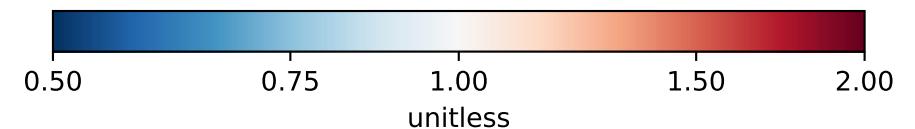
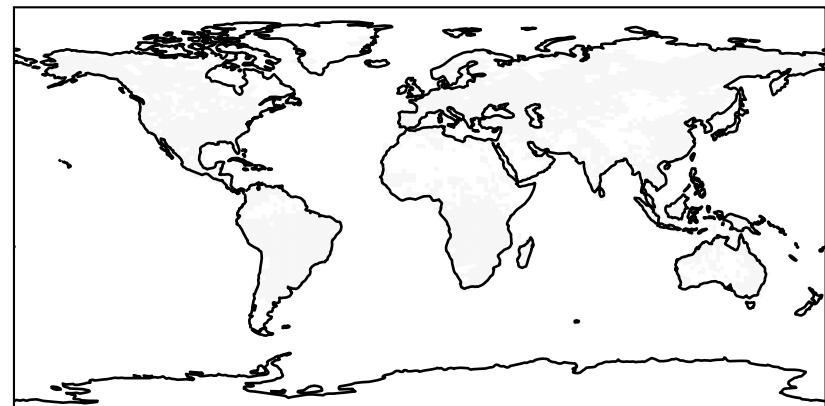
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

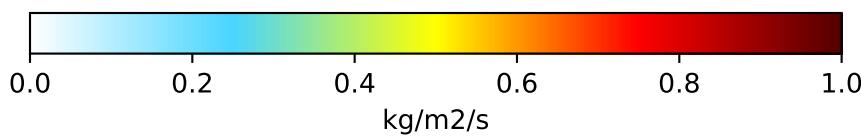
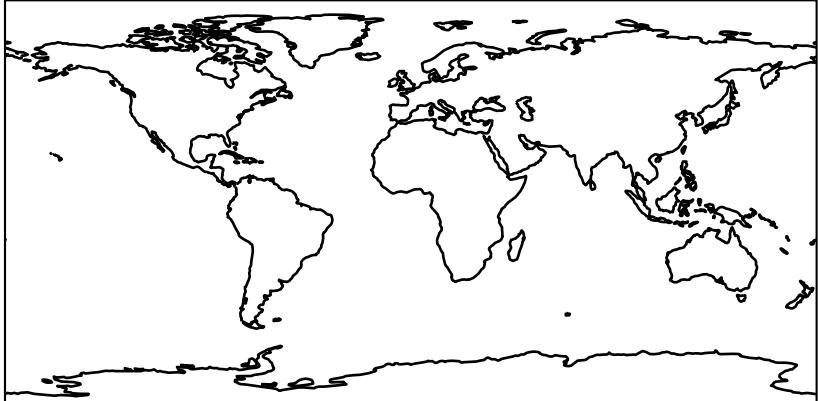


Ratio
Dev/Ref, Fixed Range

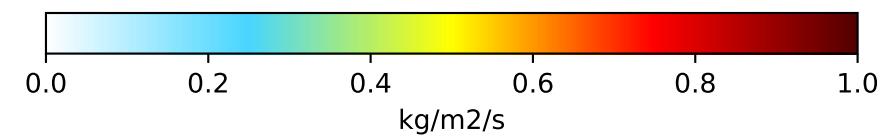
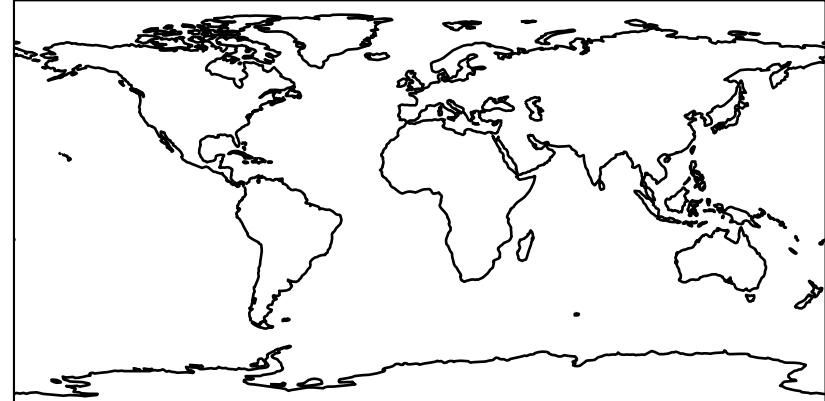


EmisEOH_Biogenic

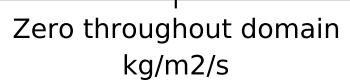
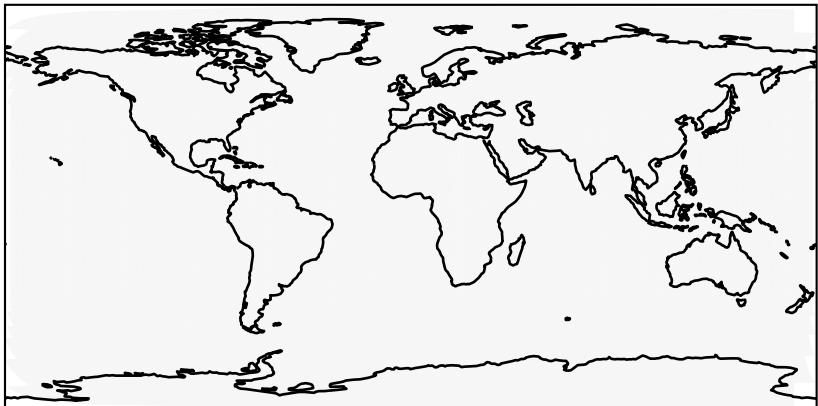
GCHP_13.0.0-rc.2 (Ref)
c48



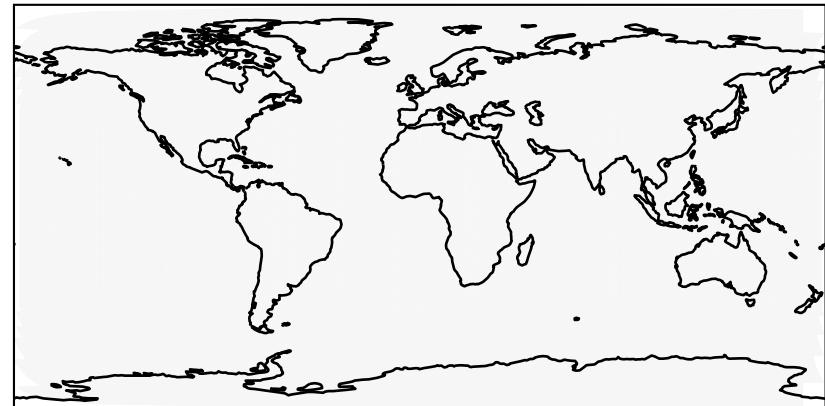
GCHP_13.1.0-beta.1 (Dev)
c48



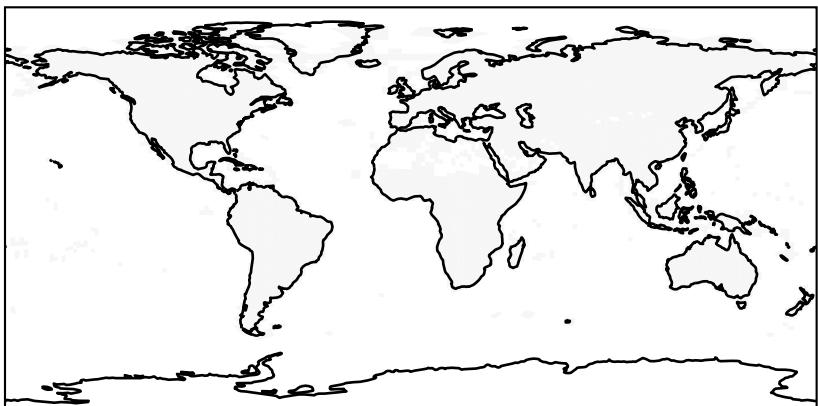
Difference
Dev - Ref, Dynamic Range



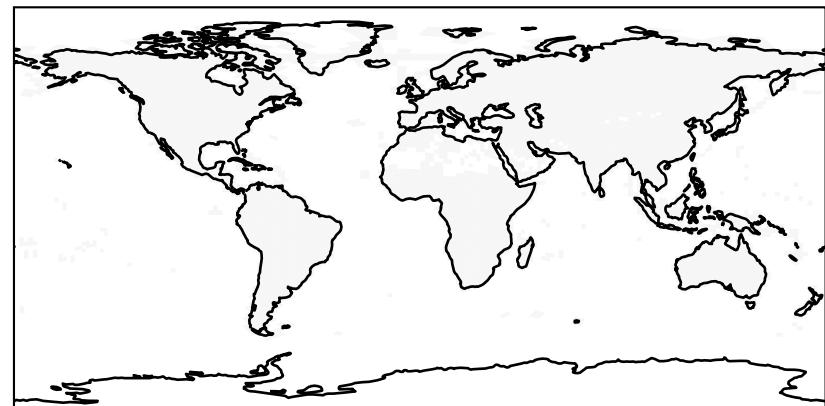
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

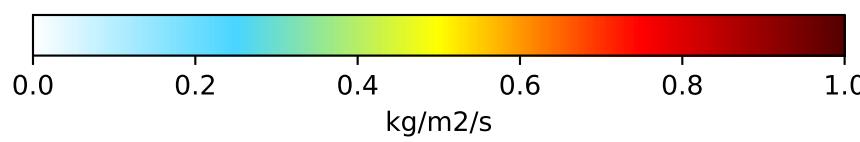
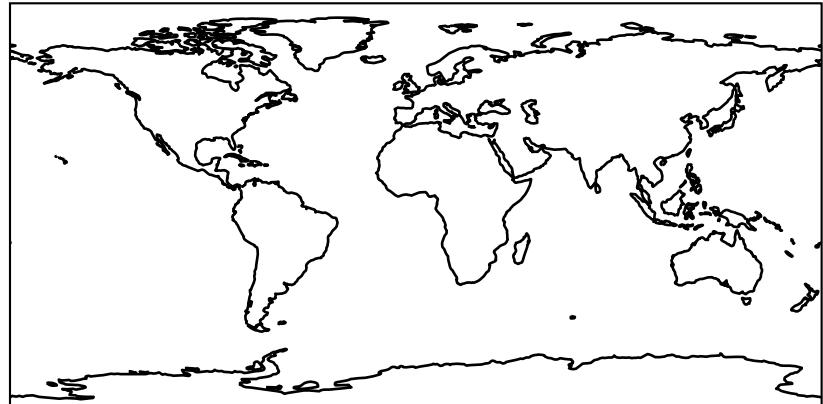


Ratio
Dev/Ref, Fixed Range

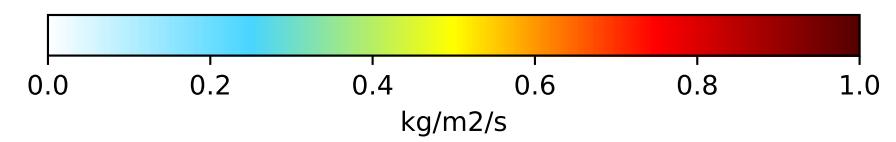
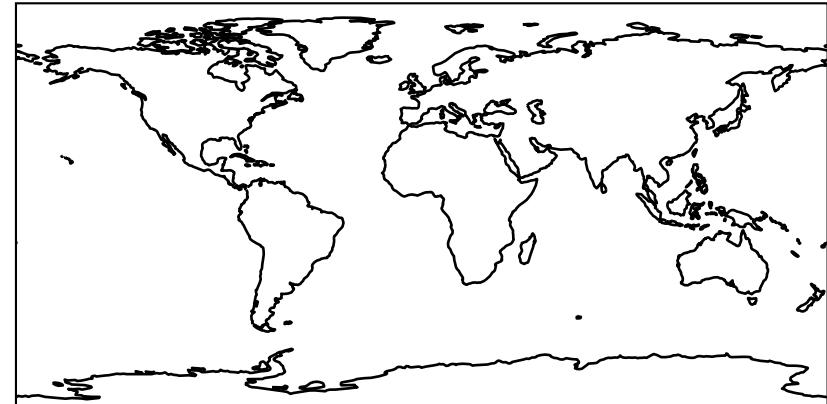


EmisEOH_PlantDecay

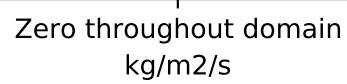
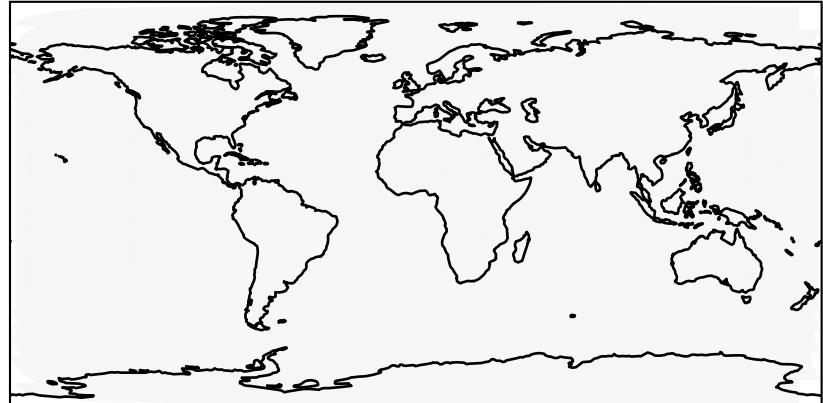
GCHP_13.0.0-rc.2 (Ref)
c48



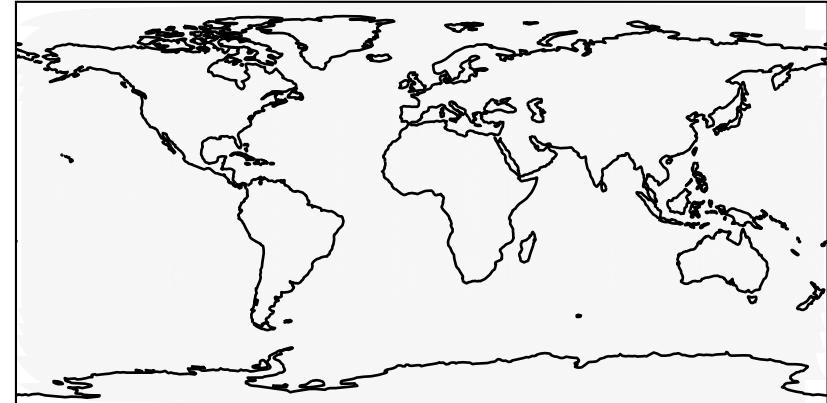
GCHP_13.1.0-beta.1 (Dev)
c48



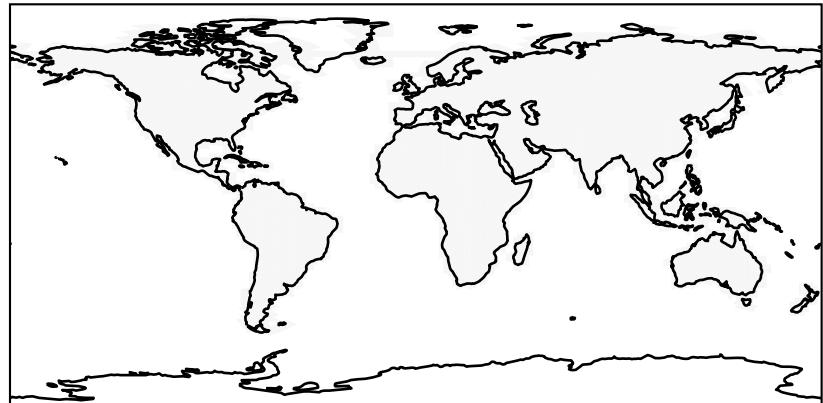
Difference
Dev - Ref, Dynamic Range



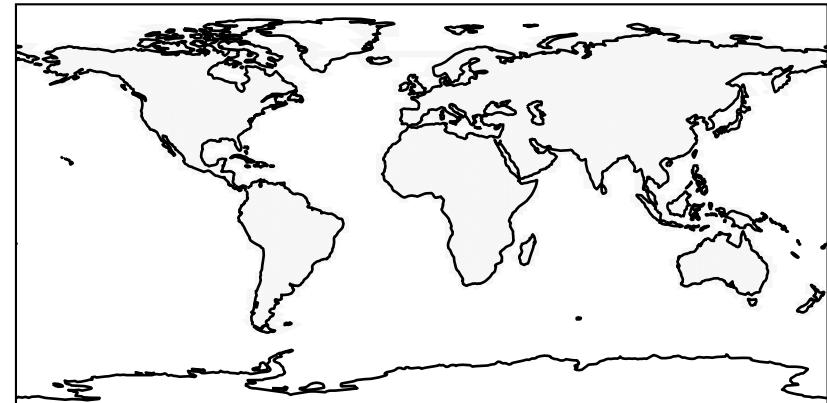
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

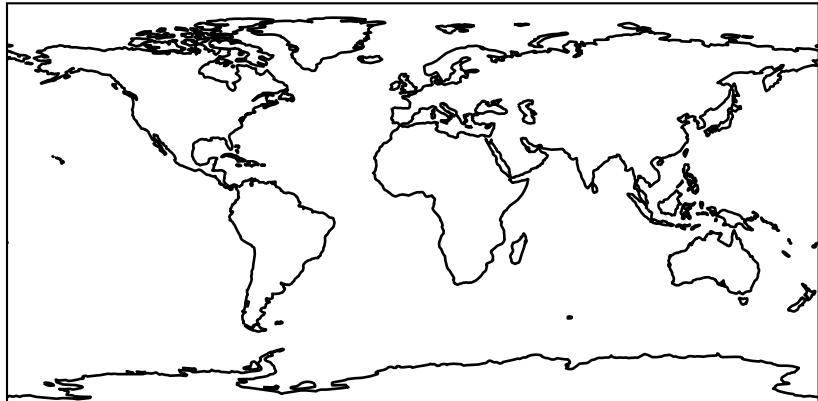


Ratio
Dev/Ref, Fixed Range



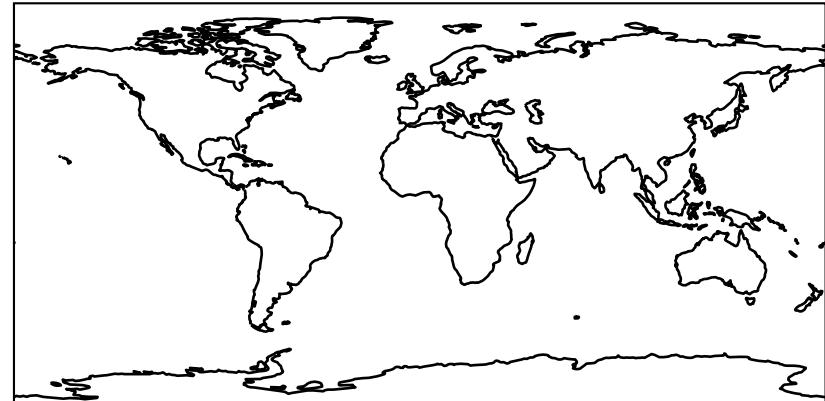
EmisEOH_Ship

GCHP_13.0.0-rc.2 (Ref)
c48



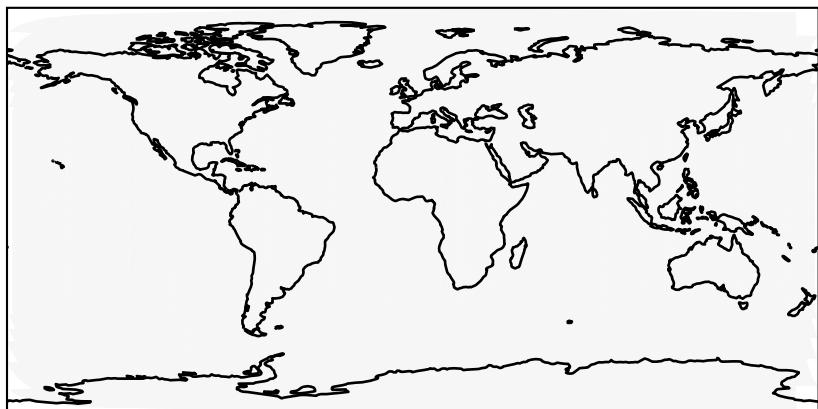
Zero throughout domain
kg/m²/s

GCHP_13.1.0-beta.1 (Dev)
c48



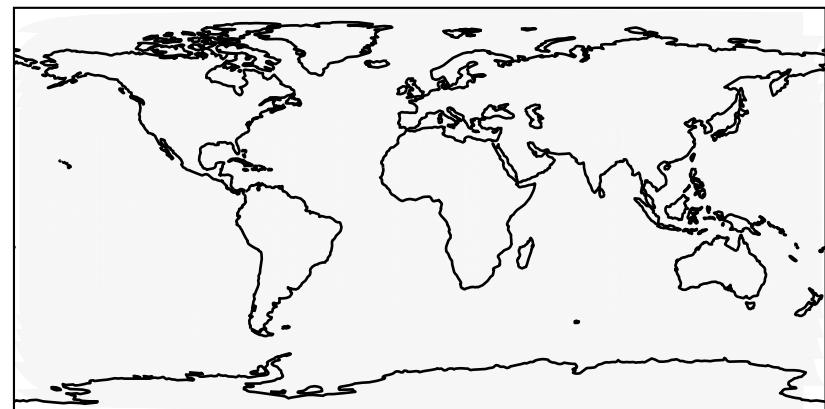
Zero throughout domain
kg/m²/s

Difference
Dev - Ref, Dynamic Range



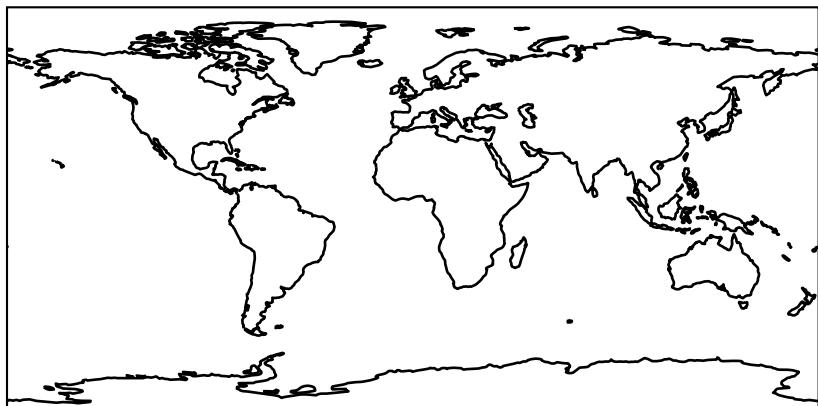
Zero throughout domain
kg/m²/s

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



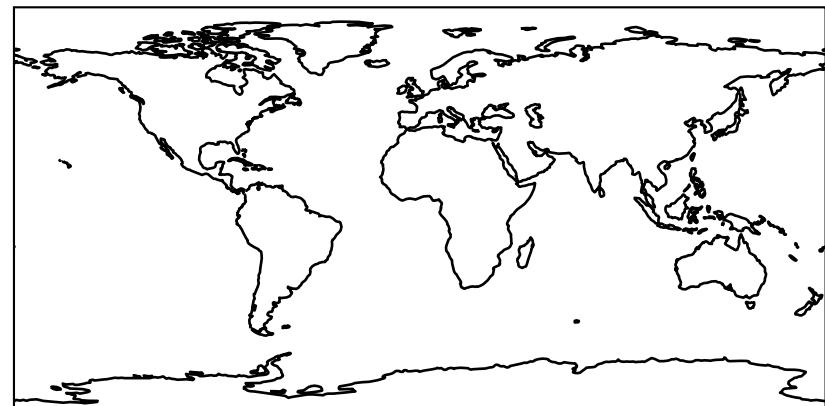
Zero throughout domain
kg/m²/s

Ratio
Dev/Ref, Dynamic Range



Undefined throughout domain
unitless

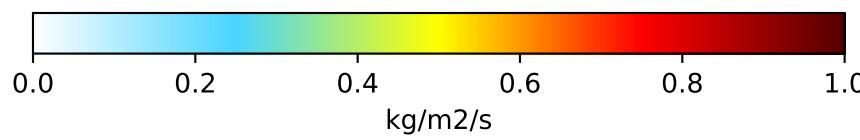
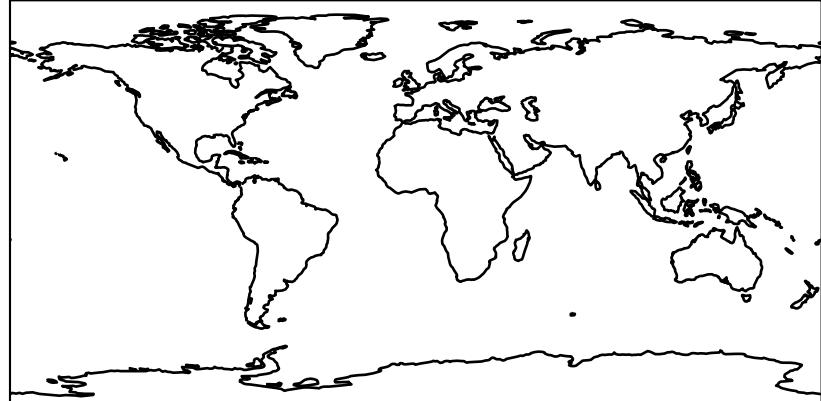
Ratio
Dev/Ref, Fixed Range



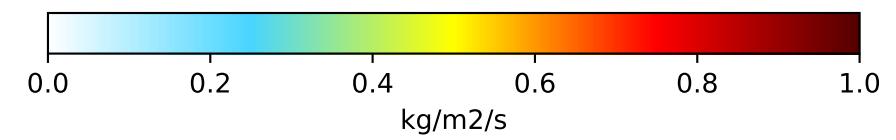
Undefined throughout domain
unitless

EmisEOH_Total

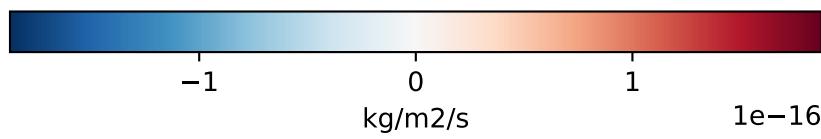
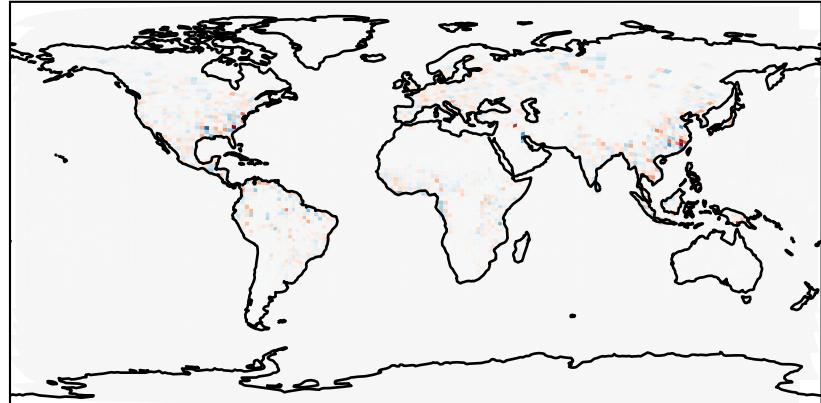
GCHP_13.0.0-rc.2 (Ref)
c48



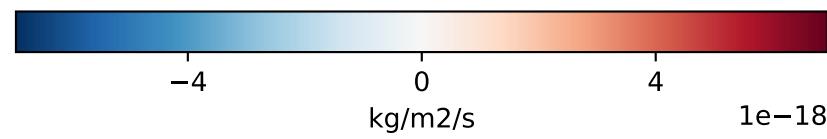
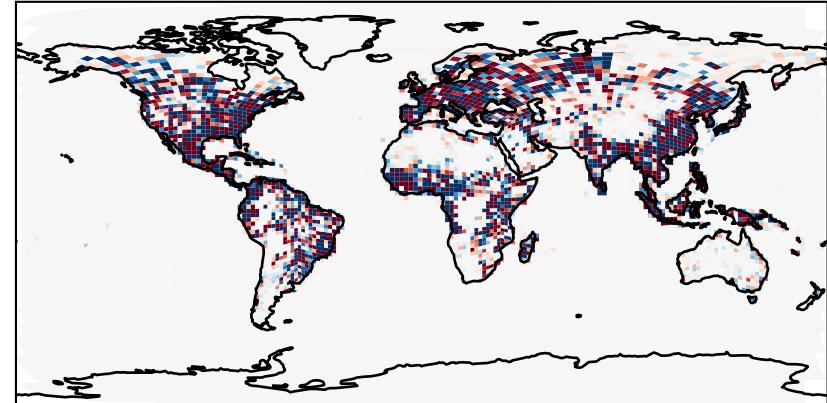
GCHP_13.1.0-beta.1 (Dev)
c48



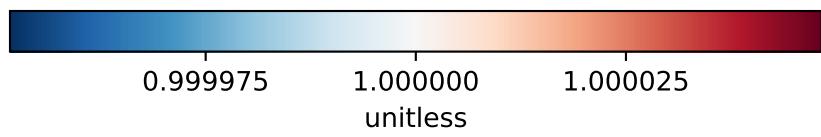
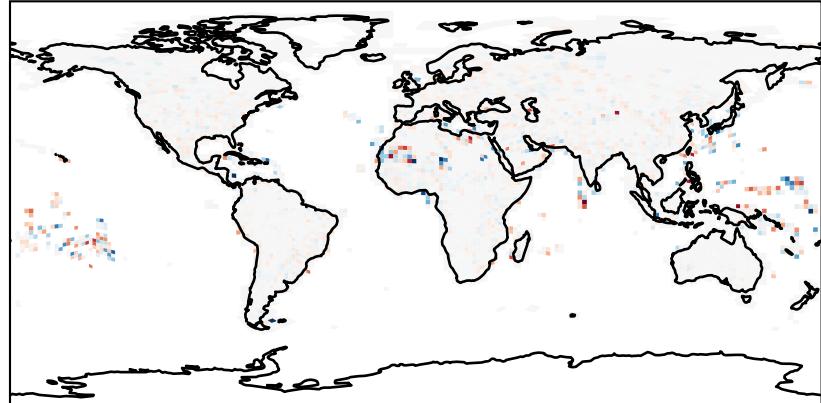
Difference
Dev - Ref, Dynamic Range



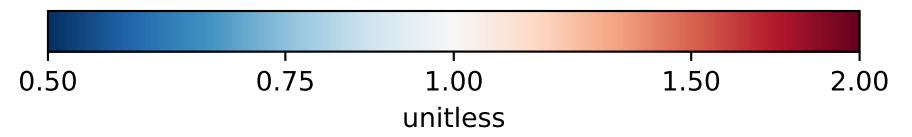
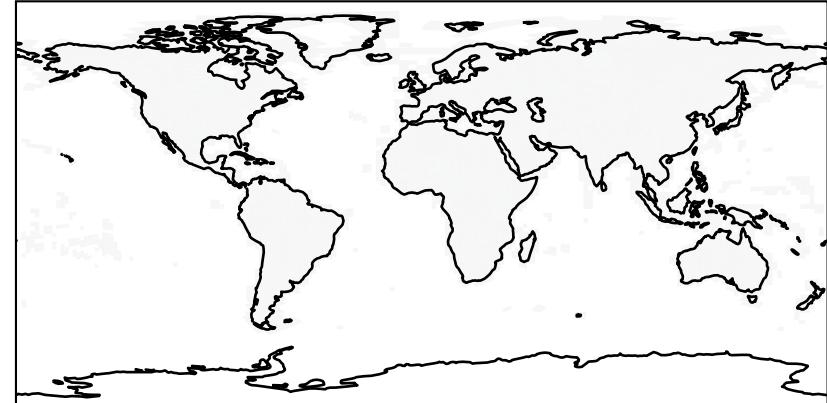
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

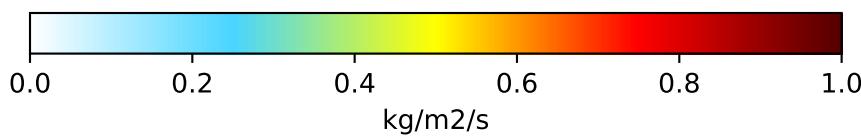
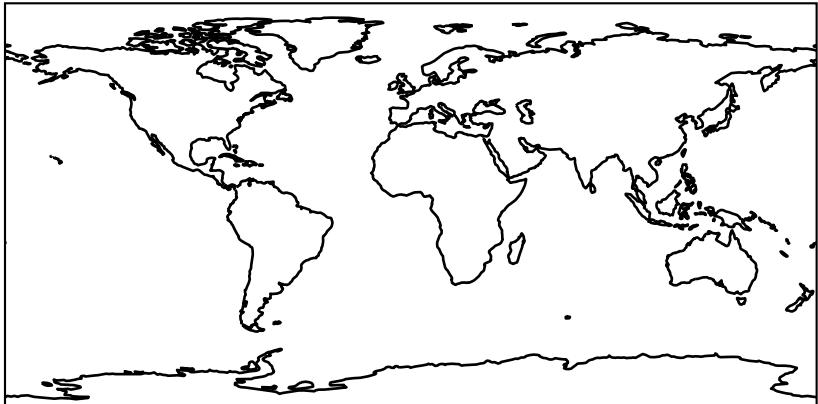


Ratio
Dev/Ref, Fixed Range

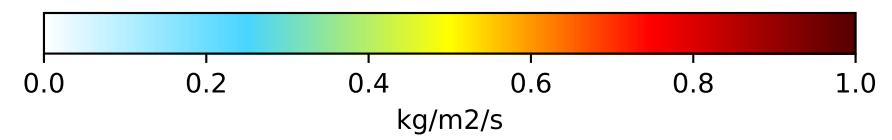
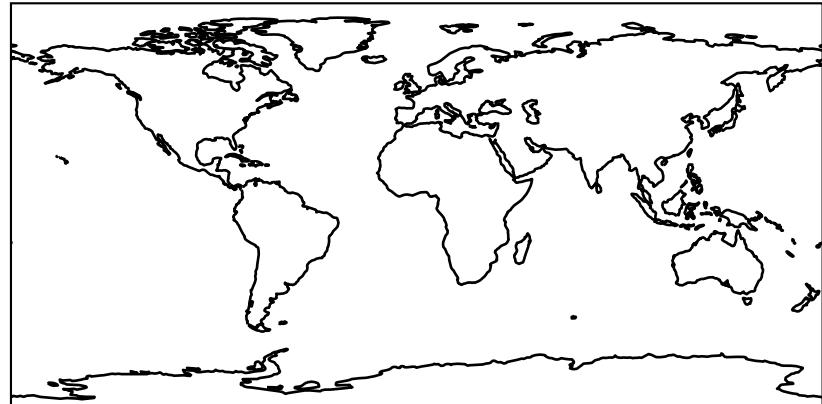


EmisMOH_Anthro

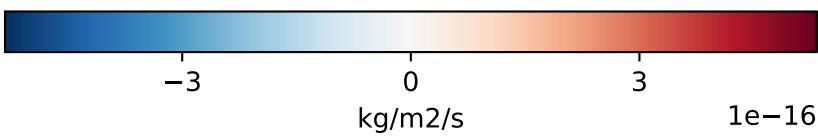
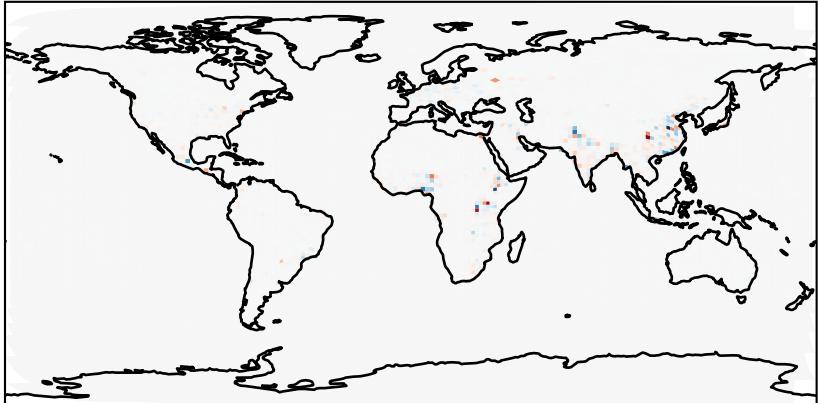
GCHP_13.0.0-rc.2 (Ref)
c48



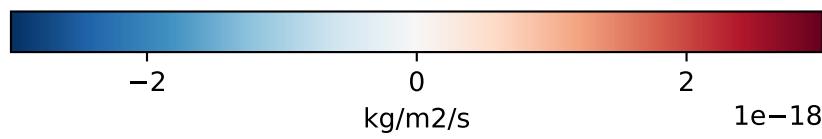
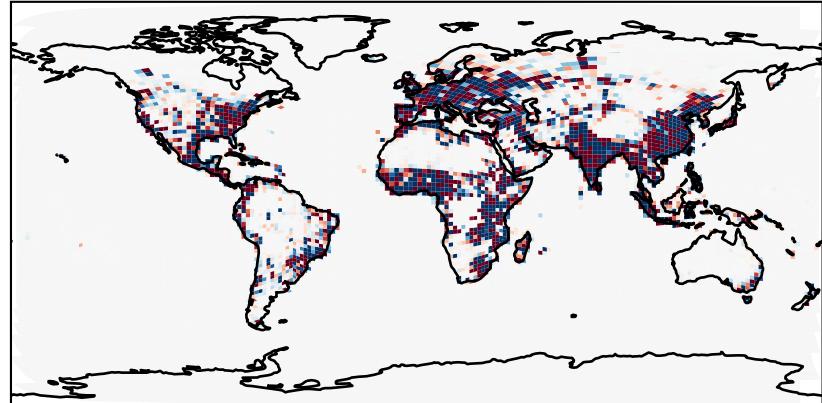
GCHP_13.1.0-beta.1 (Dev)
c48



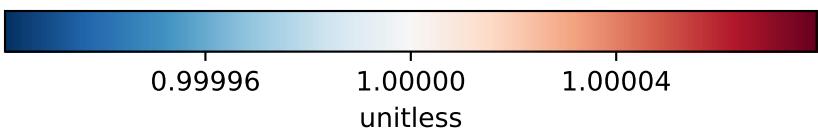
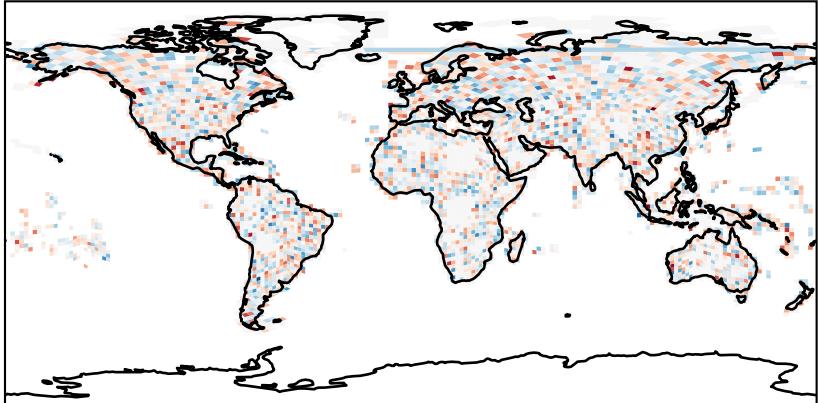
Difference
Dev - Ref, Dynamic Range



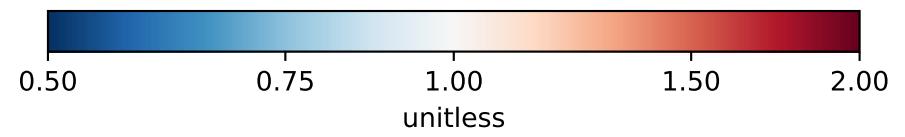
Difference
Dev - Ref, Restricted Range [5%, 95%]



Ratio
Dev/Ref, Dynamic Range

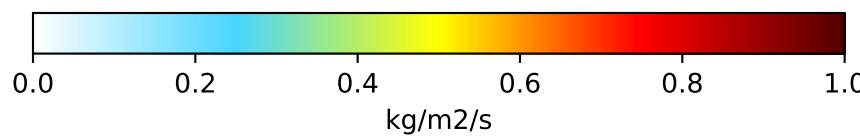
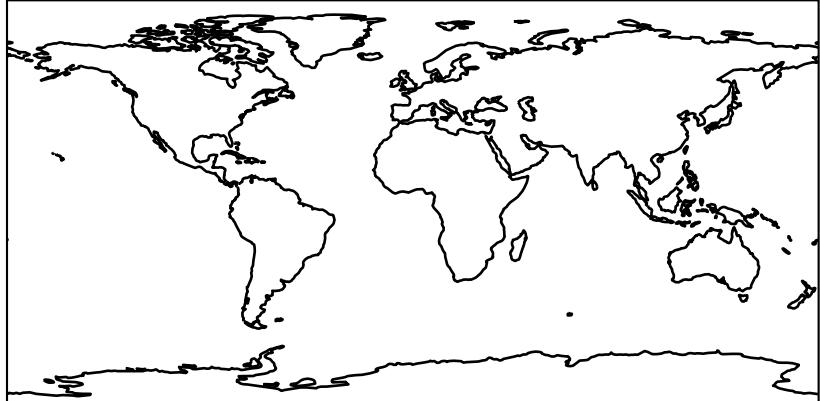


Ratio
Dev/Ref, Fixed Range

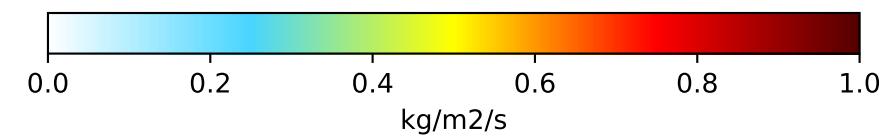


EmisMOH_BioBurn

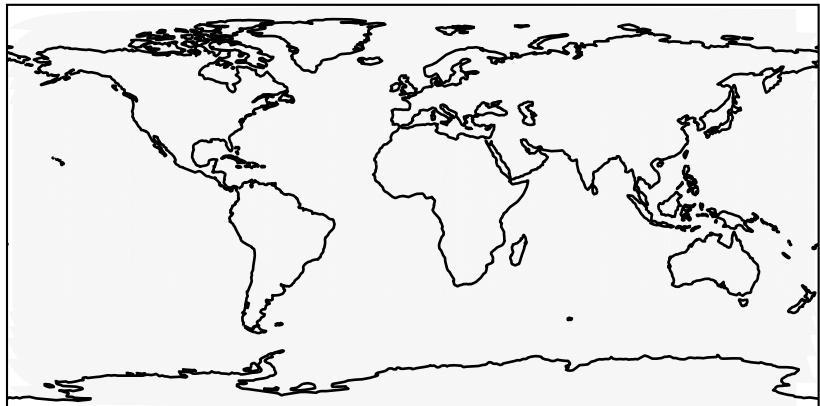
GCHP_13.0.0-rc.2 (Ref)
c48



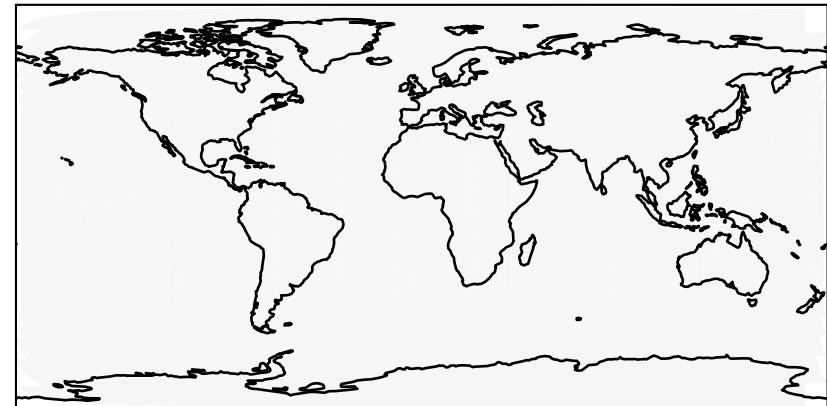
GCHP_13.1.0-beta.1 (Dev)
c48



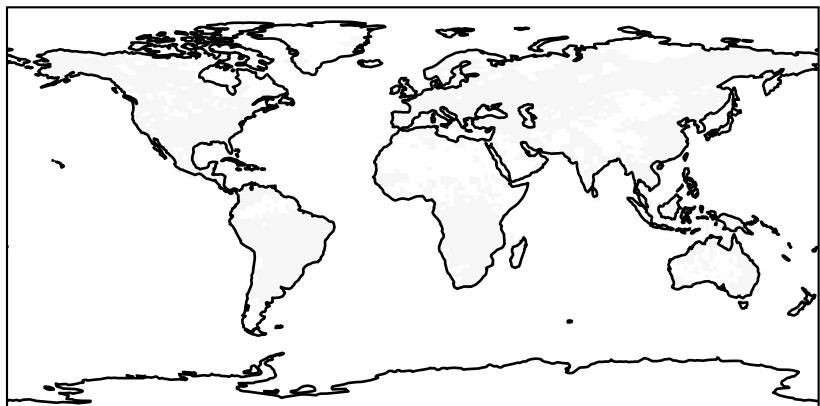
Difference
Dev - Ref, Dynamic Range



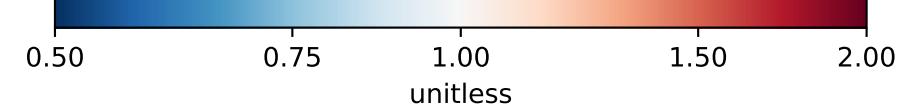
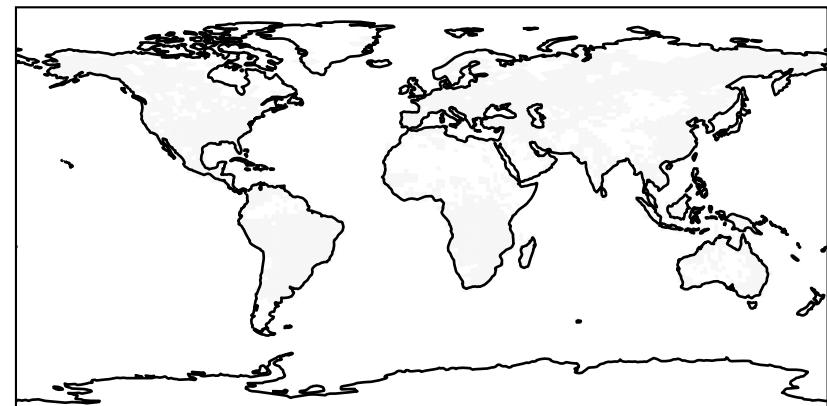
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

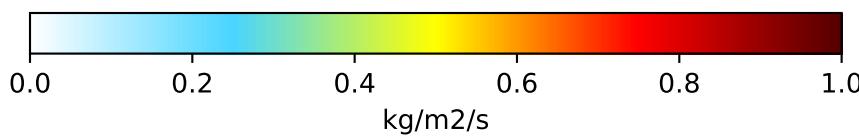
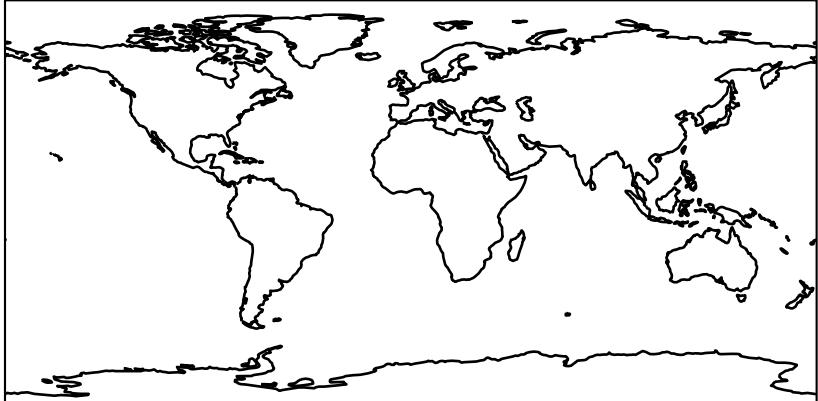


Ratio
Dev/Ref, Fixed Range

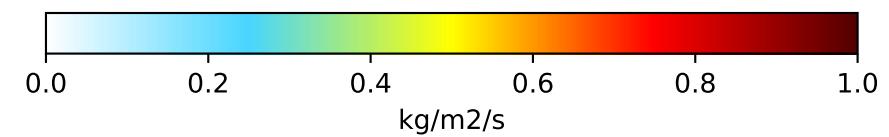


EmisMOH_Biogenic

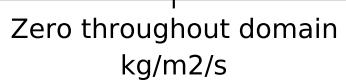
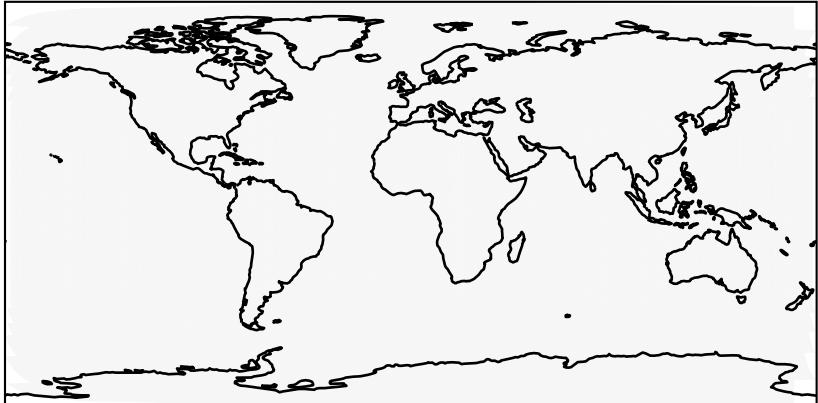
GCHP_13.0.0-rc.2 (Ref)
c48



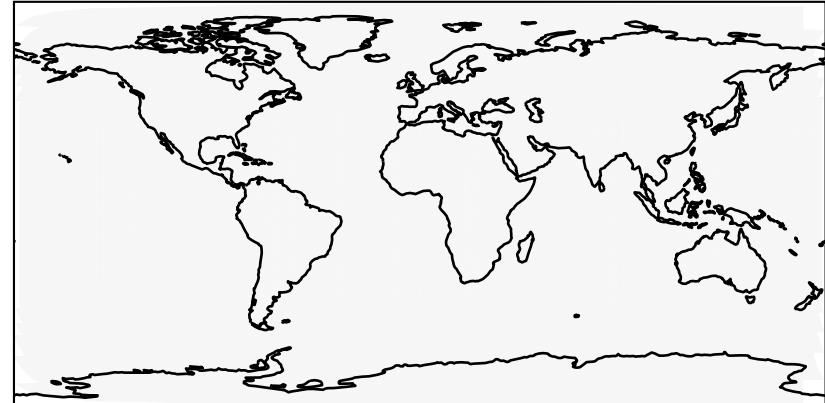
GCHP_13.1.0-beta.1 (Dev)
c48



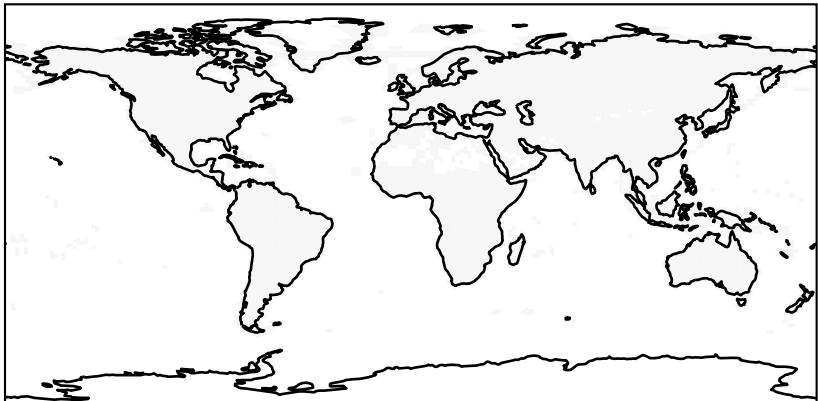
Difference
Dev - Ref, Dynamic Range



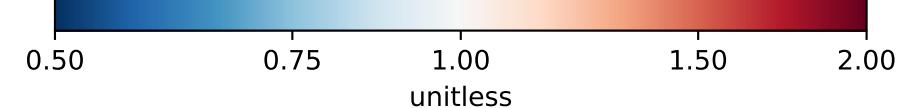
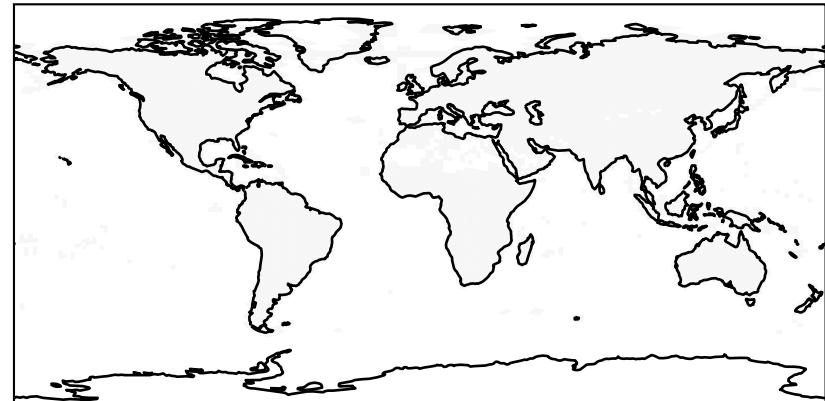
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

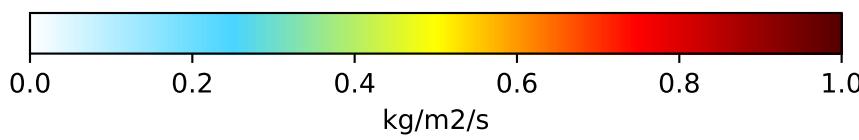
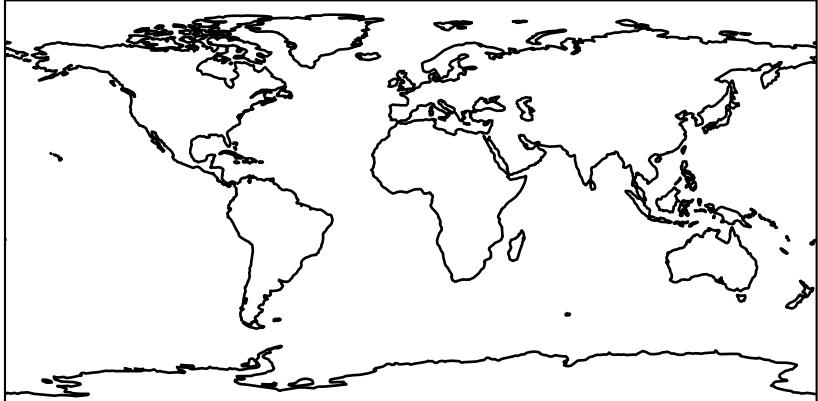


Ratio
Dev/Ref, Fixed Range

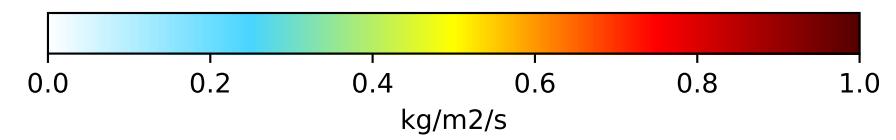


EmisMOH_Ocean

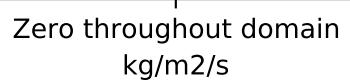
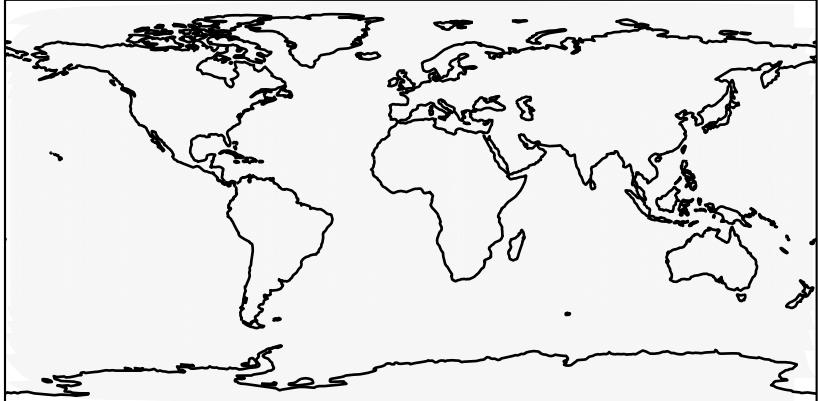
GCHP_13.0.0-rc.2 (Ref)
c48



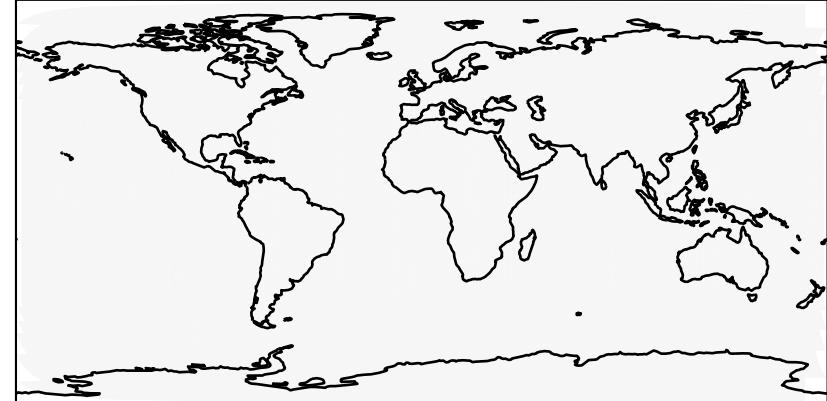
GCHP_13.1.0-beta.1 (Dev)
c48



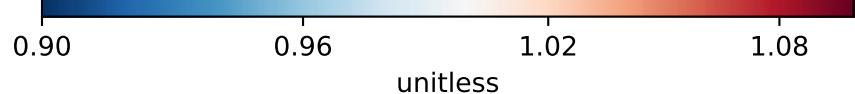
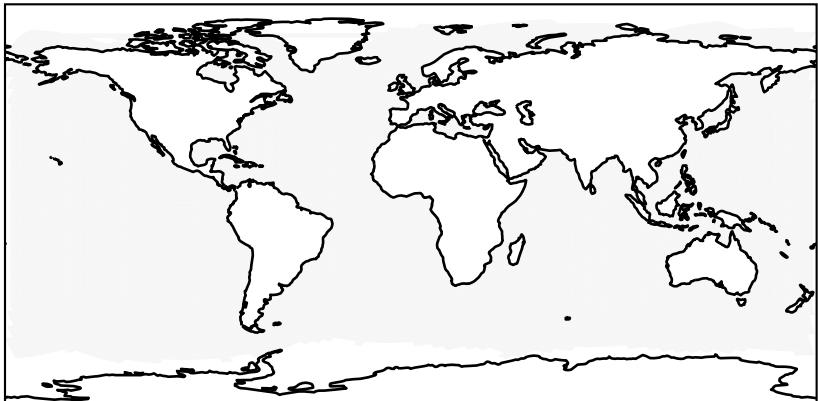
Difference
Dev - Ref, Dynamic Range



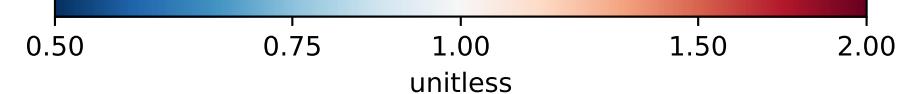
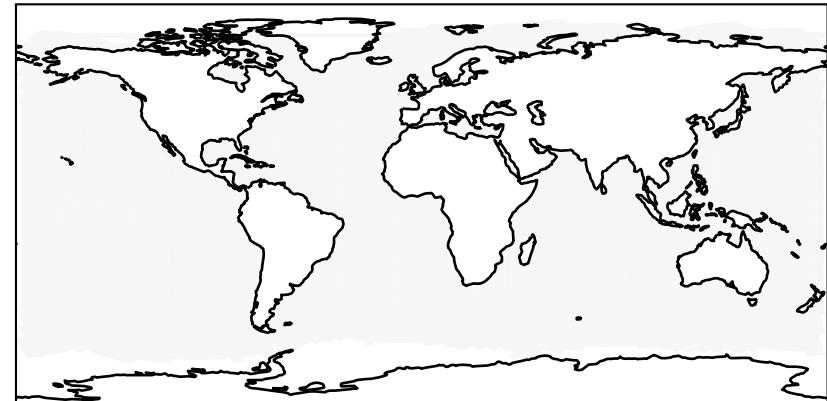
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

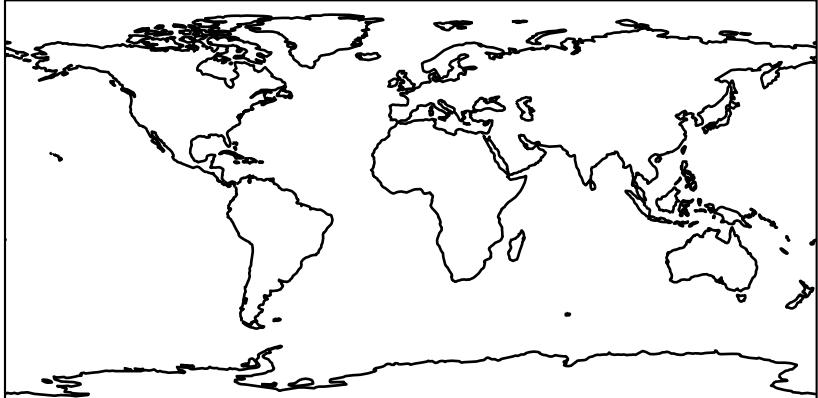


Ratio
Dev/Ref, Fixed Range



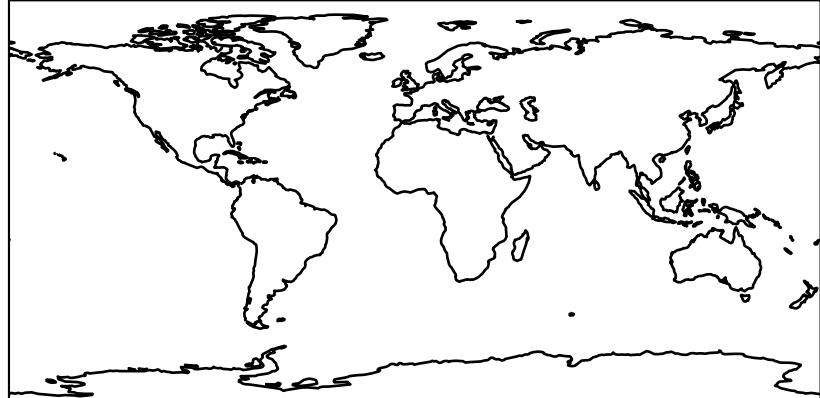
EmisMOH_Ship

GCHP_13.0.0-rc.2 (Ref)
c48



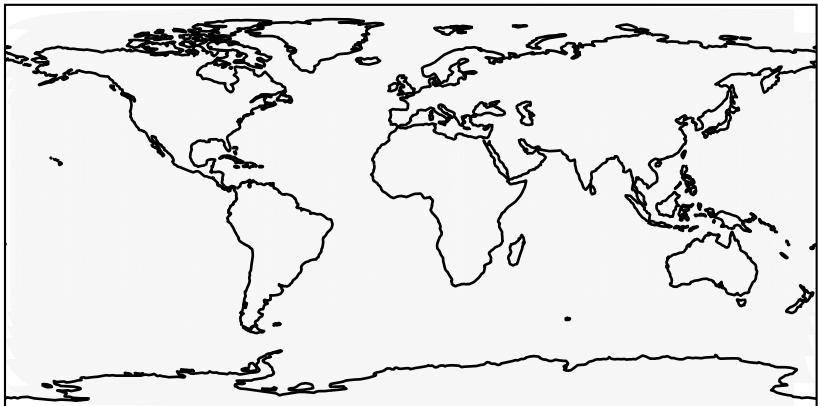
Zero throughout domain
kg/m²/s

GCHP_13.1.0-beta.1 (Dev)
c48



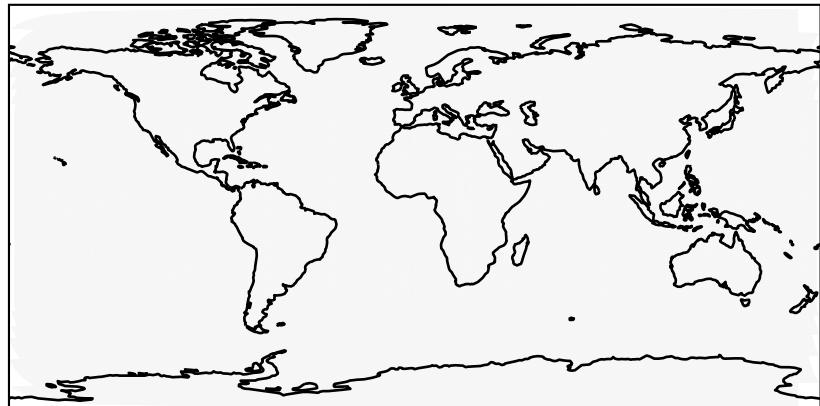
Zero throughout domain
kg/m²/s

Difference
Dev - Ref, Dynamic Range



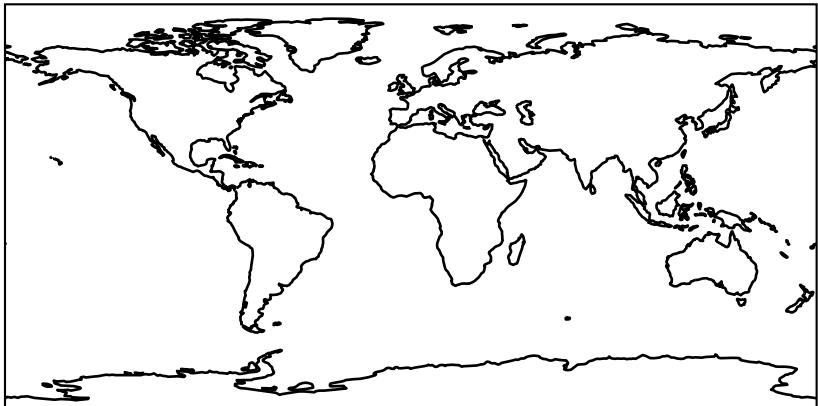
Zero throughout domain
kg/m²/s

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



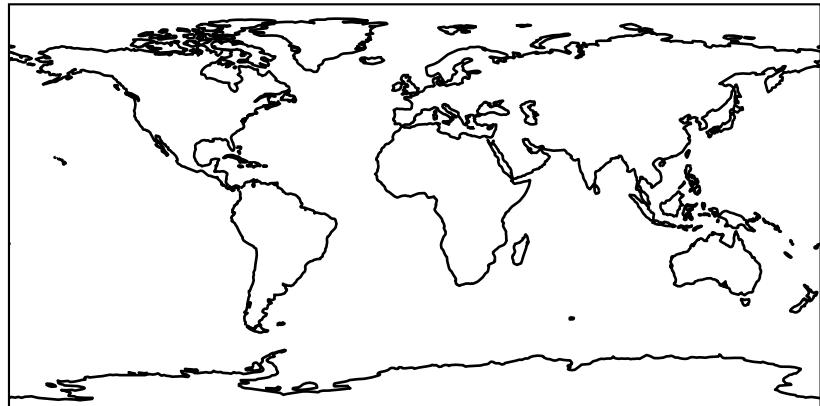
Zero throughout domain
kg/m²/s

Ratio
Dev/Ref, Dynamic Range



Undefined throughout domain
unitless

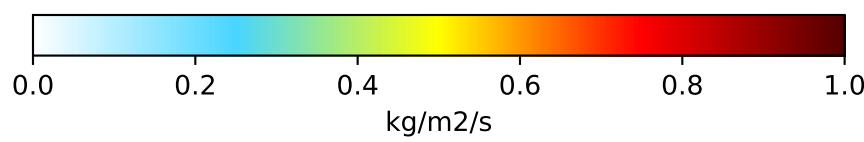
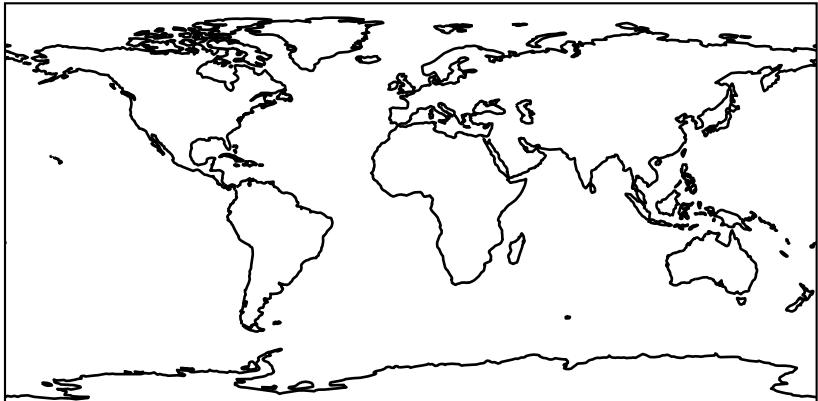
Ratio
Dev/Ref, Fixed Range



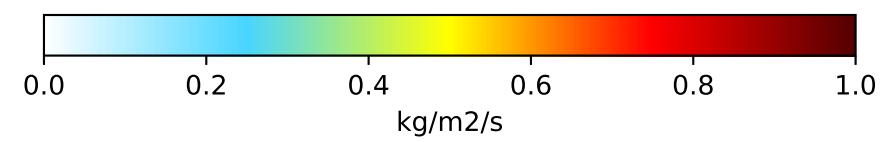
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EmisMOH_Total

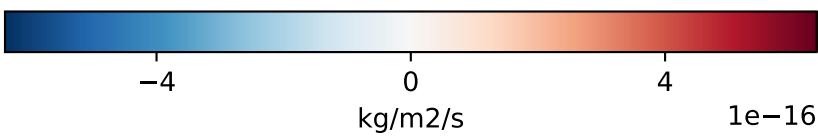
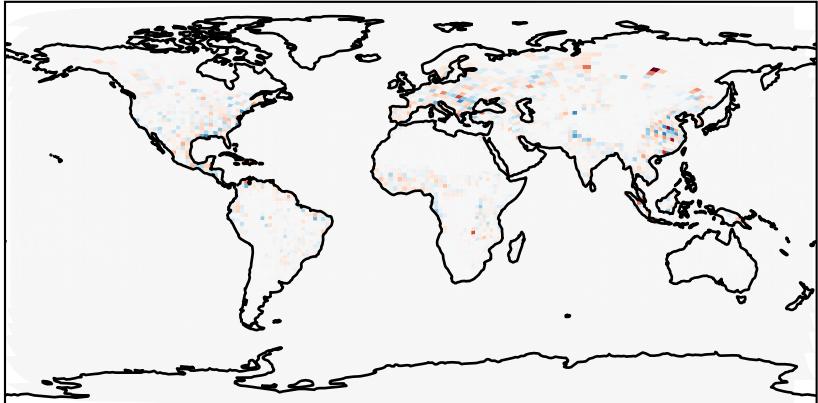
GCHP_13.0.0-rc.2 (Ref)
c48



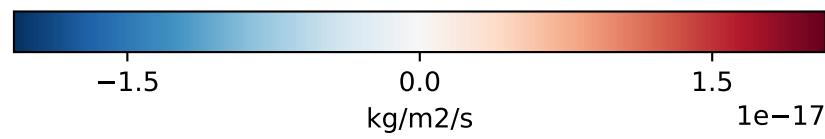
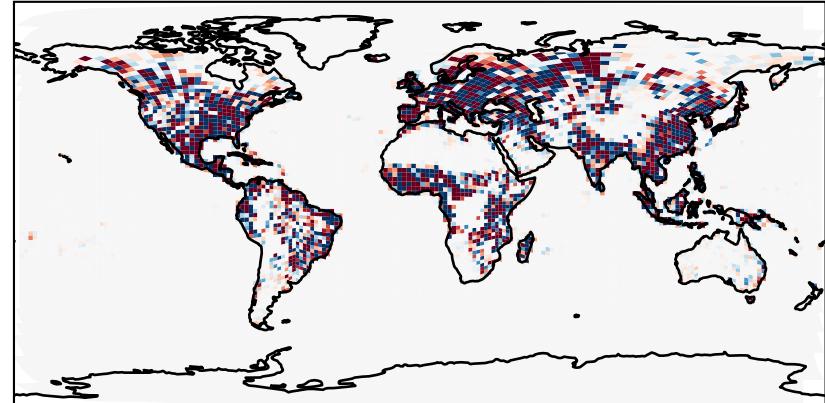
GCHP_13.1.0-beta.1 (Dev)
c48



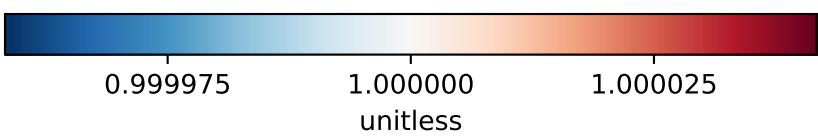
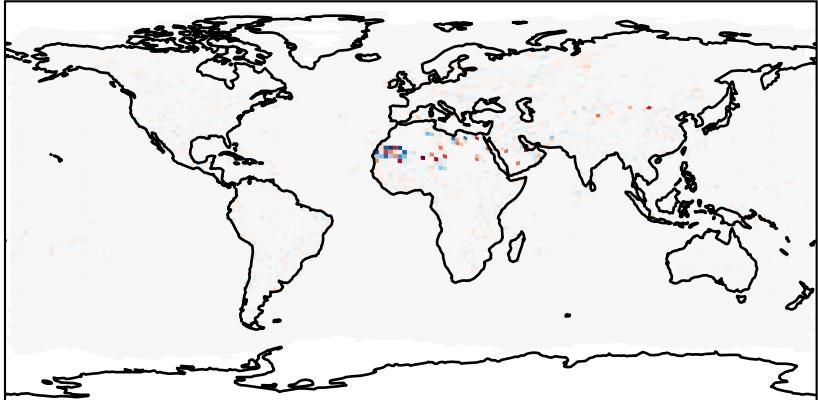
Difference
Dev - Ref, Dynamic Range



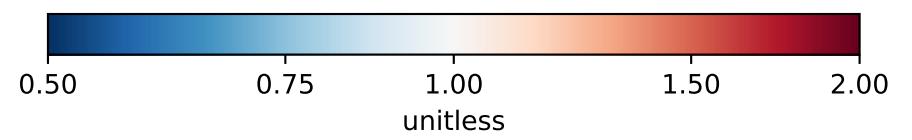
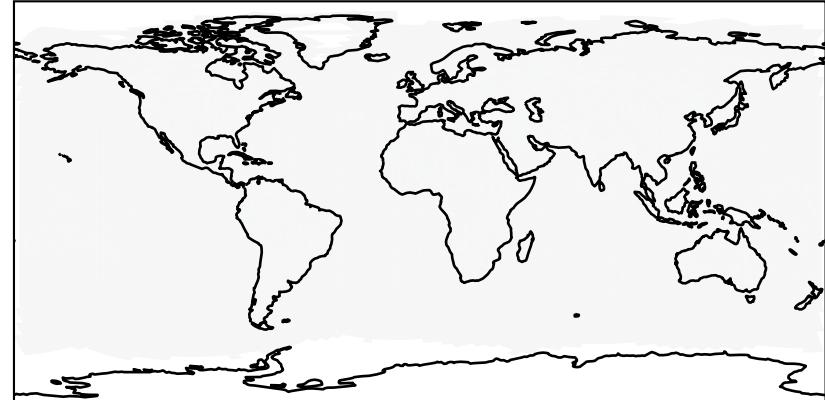
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

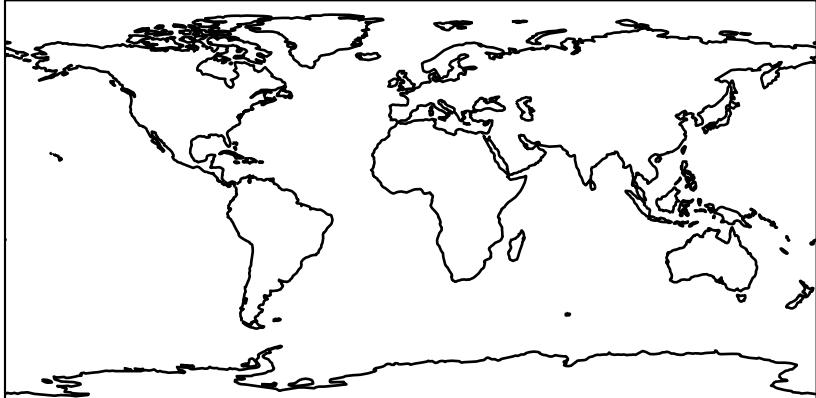


Ratio
Dev/Ref, Fixed Range



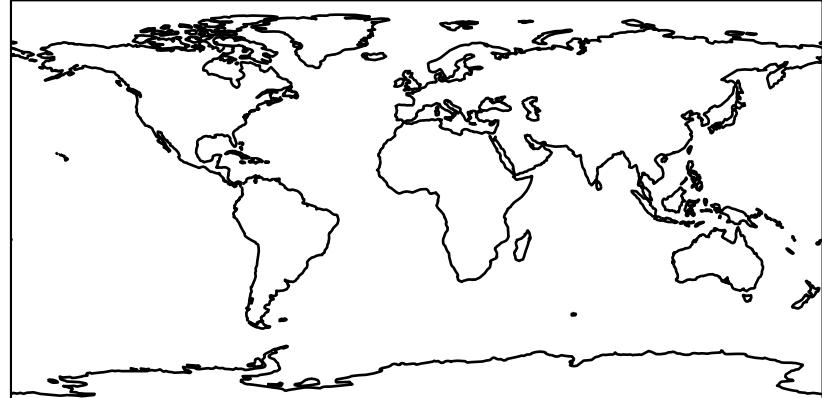
EmisISOP_Anthro

GCHP_13.0.0-rc.2 (Ref)
c48



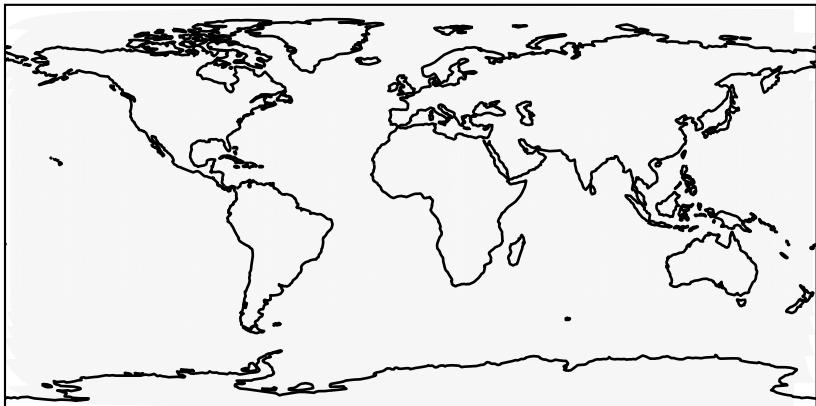
Zero throughout domain
kg/m²/s

GCHP_13.1.0-beta.1 (Dev)
c48



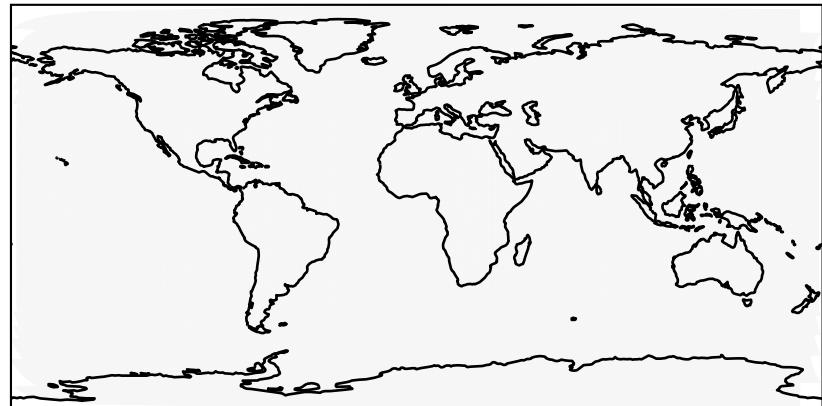
Zero throughout domain
kg/m²/s

Difference
Dev - Ref, Dynamic Range



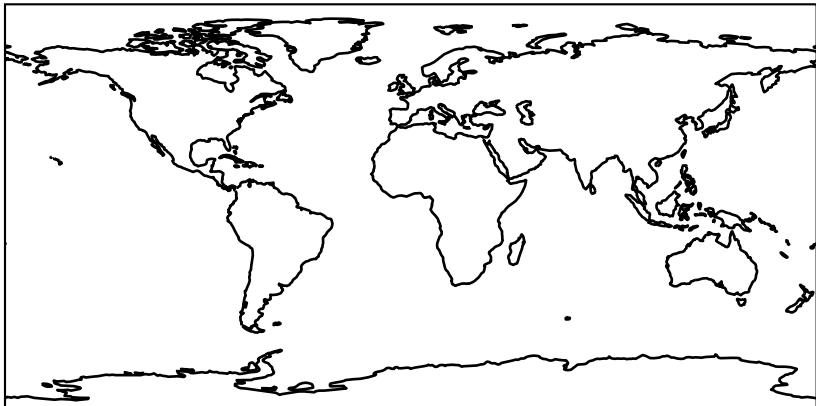
Zero throughout domain
kg/m²/s

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



Zero throughout domain
kg/m²/s

Ratio
Dev/Ref, Dynamic Range



Undefined throughout domain
unitless

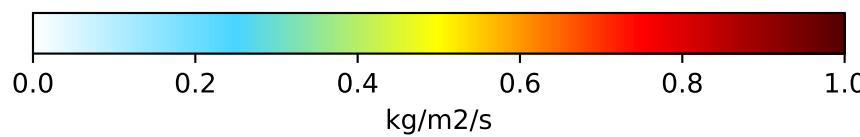
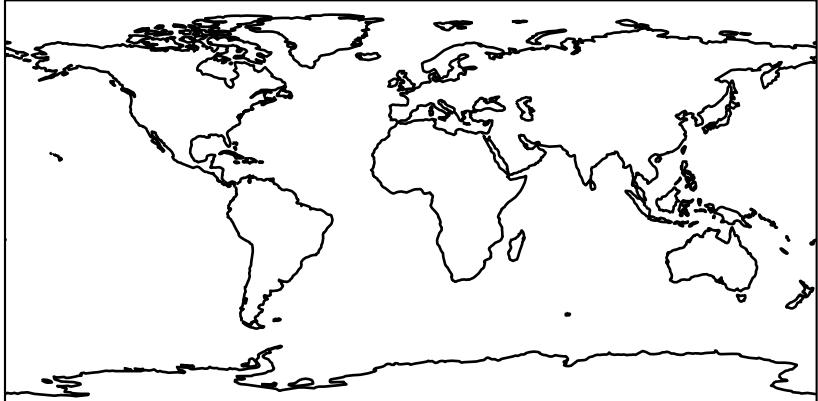
Ratio
Dev/Ref, Fixed Range



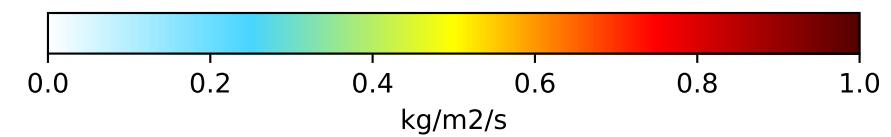
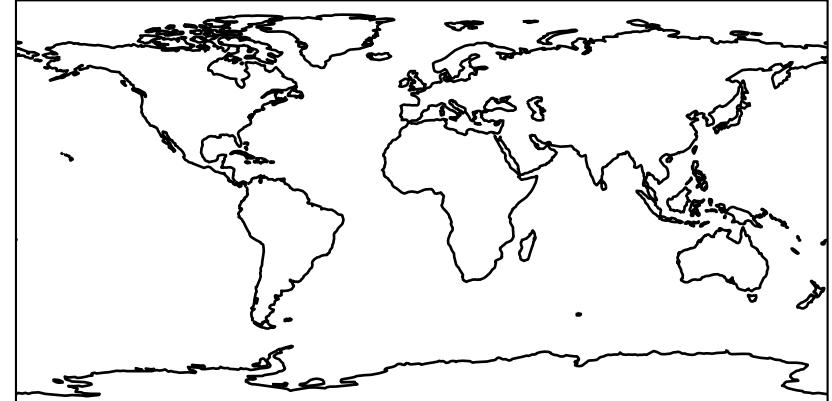
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unitless

EmisISOP_Biogenic

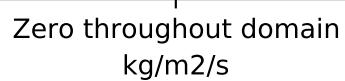
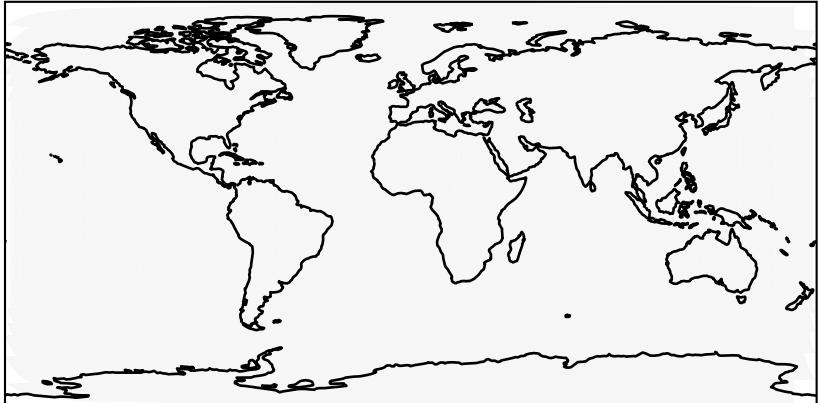
GCHP_13.0.0-rc.2 (Ref)
c48



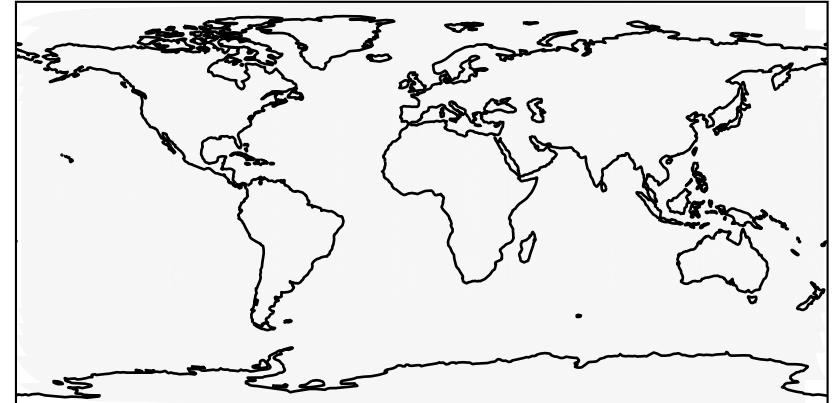
GCHP_13.1.0-beta.1 (Dev)
c48



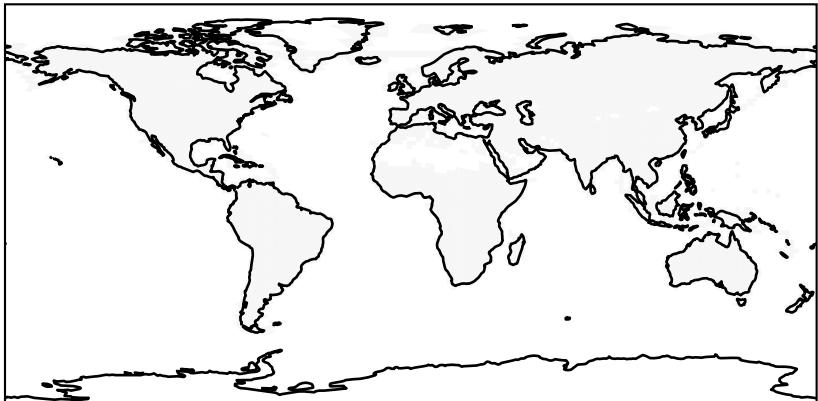
Difference
Dev - Ref, Dynamic Range



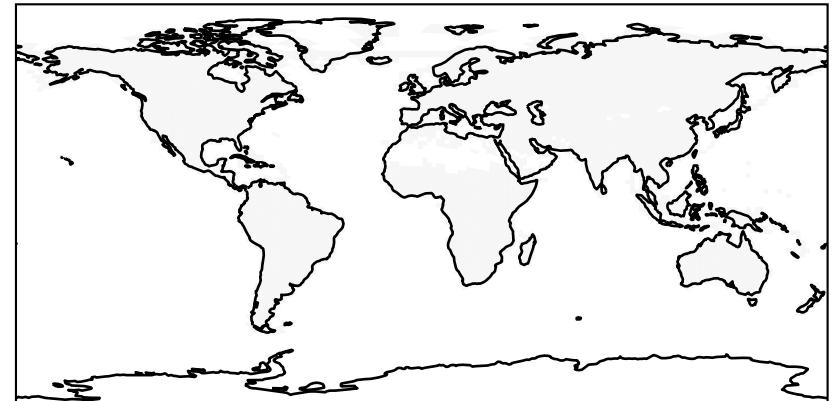
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

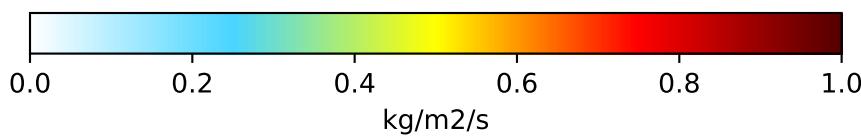
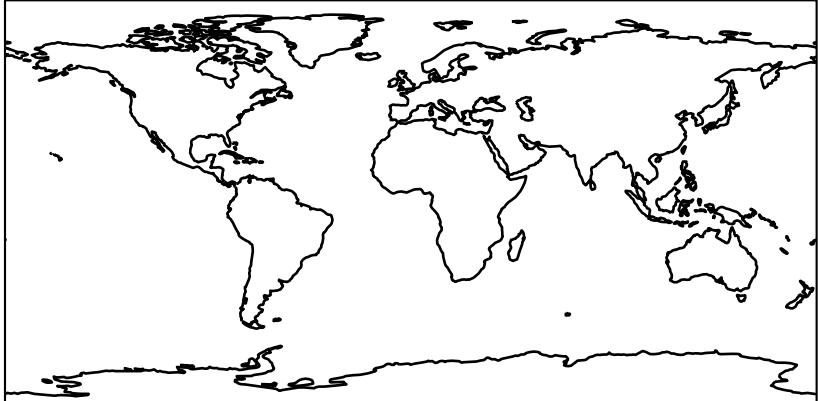


Ratio
Dev/Ref, Fixed Range

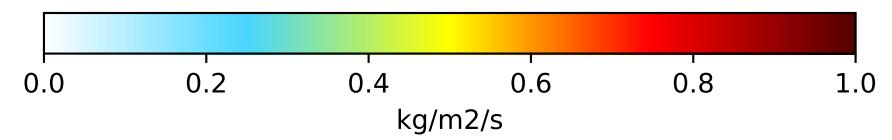
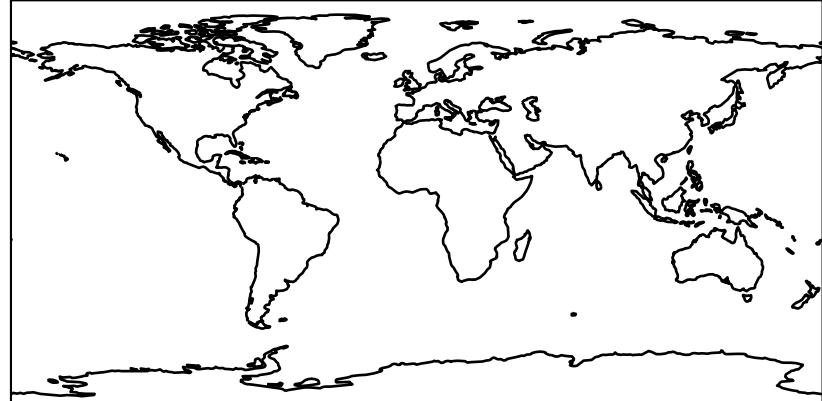


EmisISOP_Total

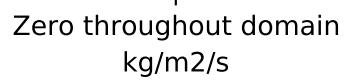
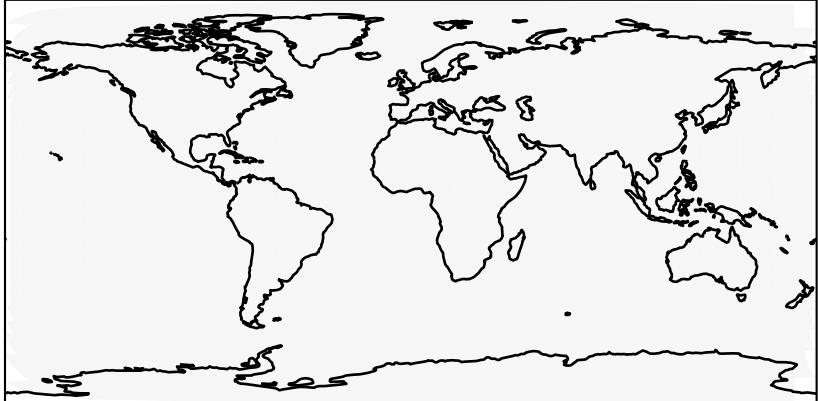
GCHP_13.0.0-rc.2 (Ref)
c48



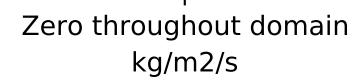
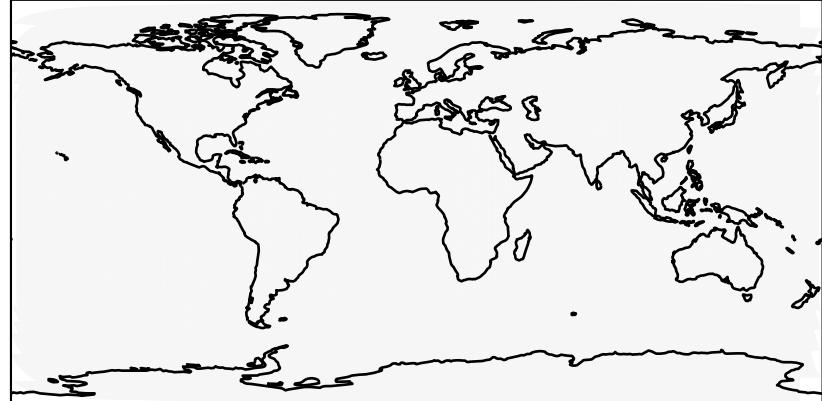
GCHP_13.1.0-beta.1 (Dev)
c48



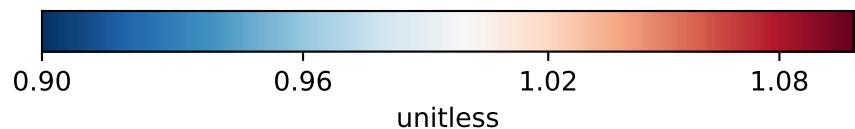
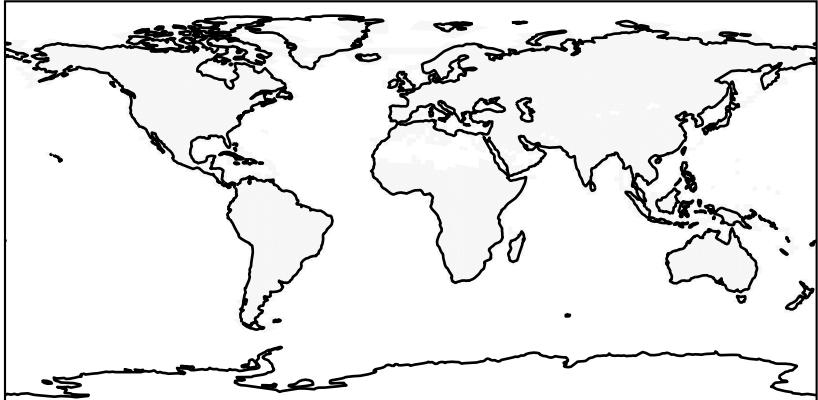
Difference
Dev - Ref, Dynamic Range



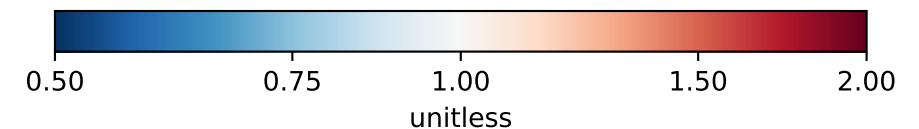
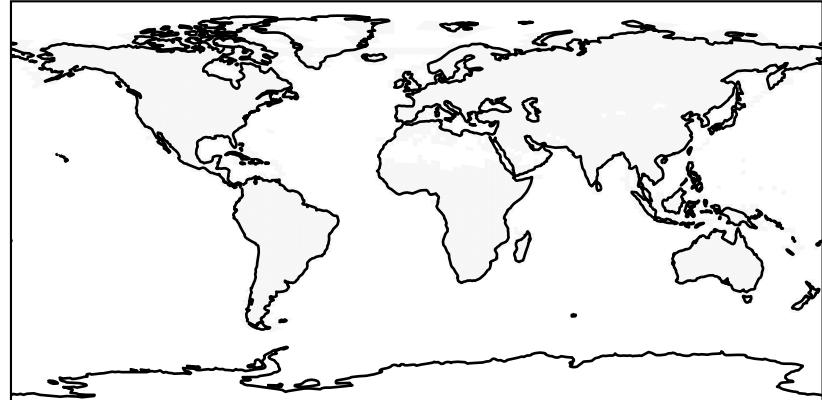
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

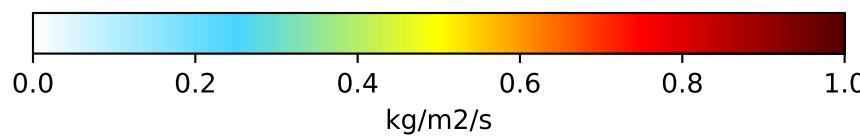
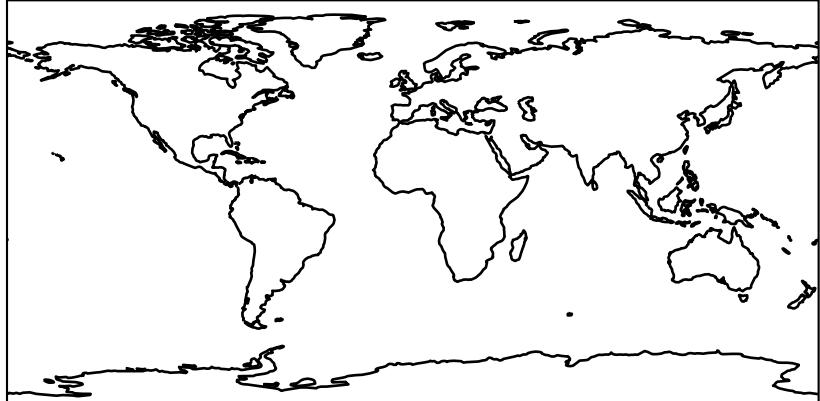


Ratio
Dev/Ref, Fixed Range

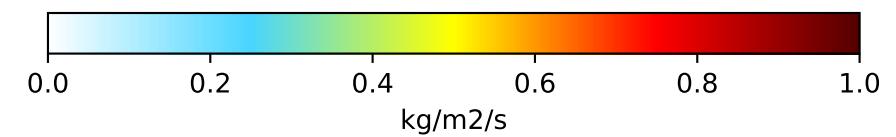
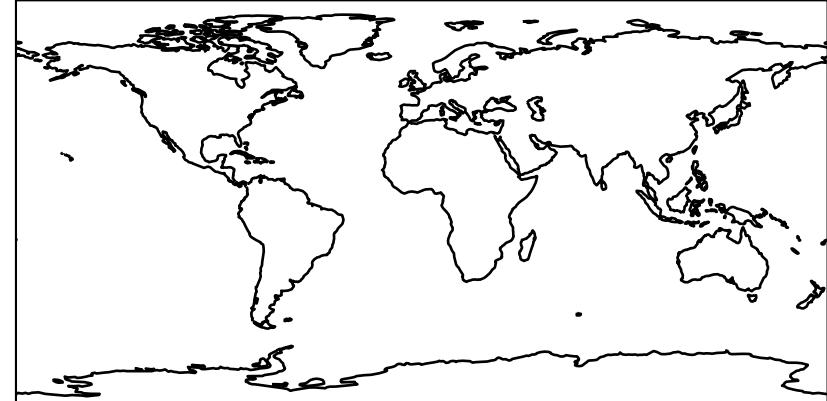


EmisMTPA_BioBurn

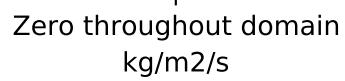
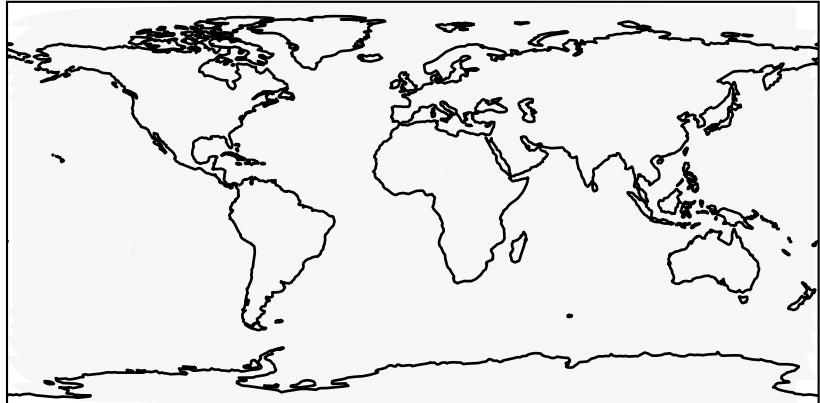
GCHP_13.0.0-rc.2 (Ref)
c48



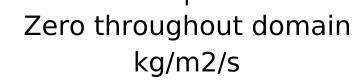
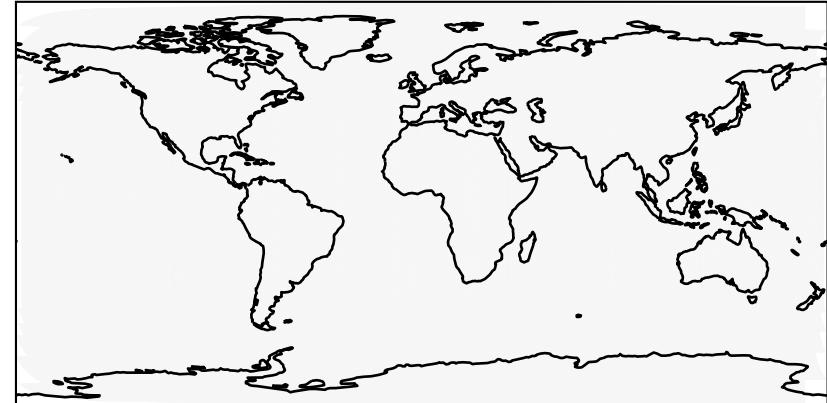
GCHP_13.1.0-beta.1 (Dev)
c48



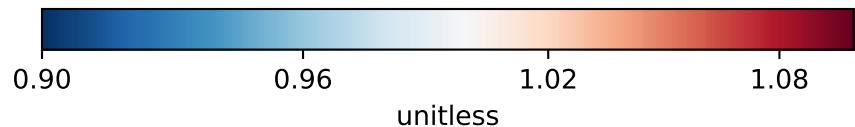
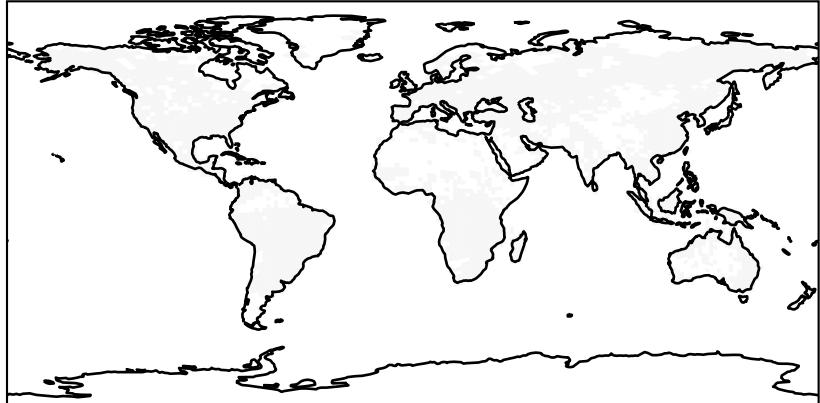
Difference
Dev - Ref, Dynamic Range



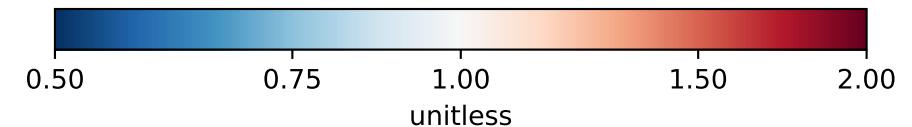
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

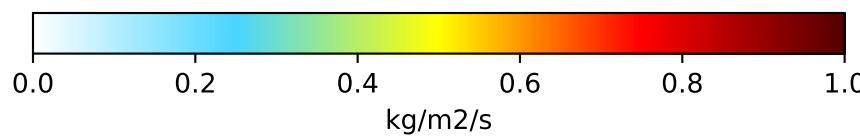


Ratio
Dev/Ref, Fixed Range

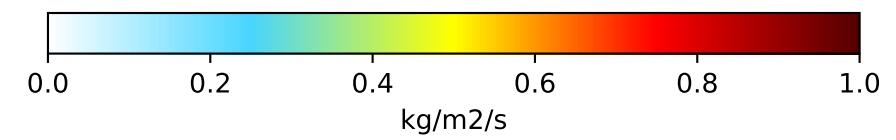
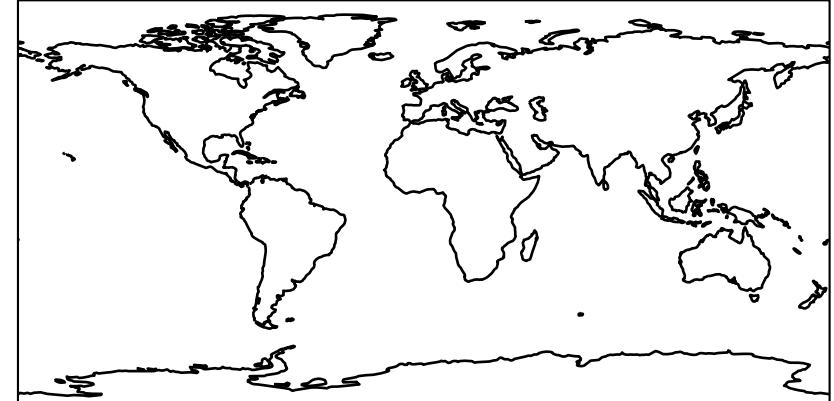


EmisMTPA_Biogenic

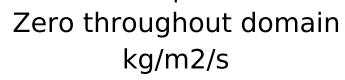
GCHP_13.0.0-rc.2 (Ref)
c48



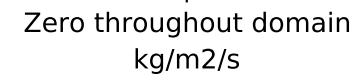
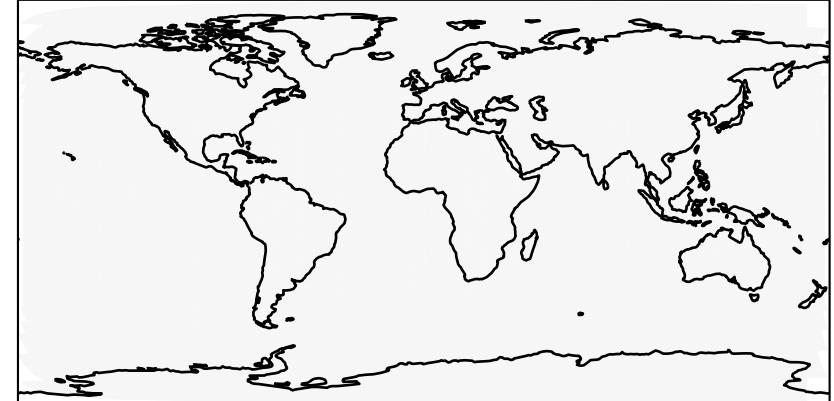
GCHP_13.1.0-beta.1 (Dev)
c48



Difference
Dev - Ref, Dynamic Range



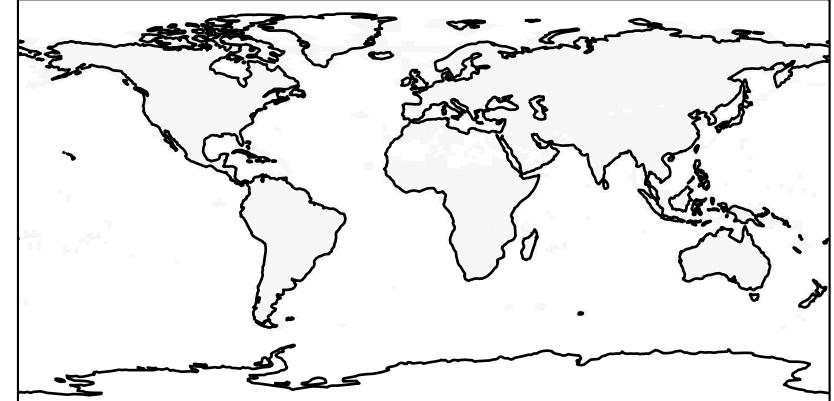
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

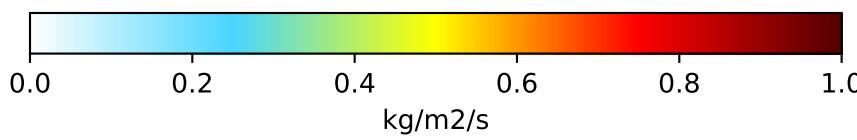
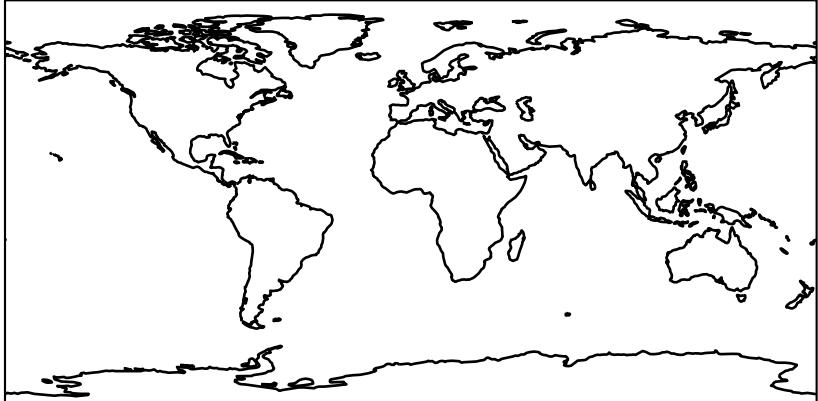


Ratio
Dev/Ref, Fixed Range

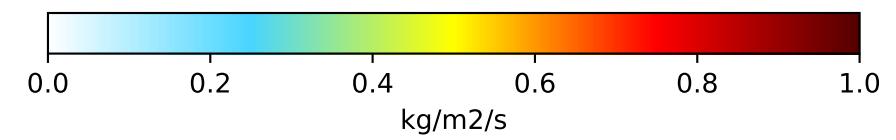


EmisMTPA_Total

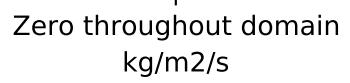
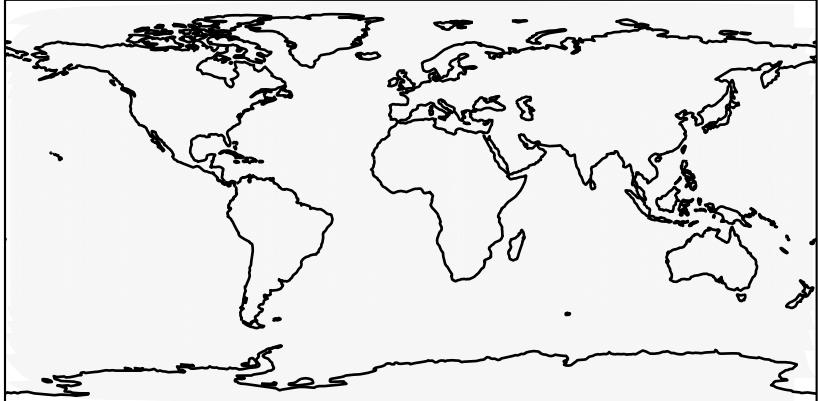
GCHP_13.0.0-rc.2 (Ref)
c48



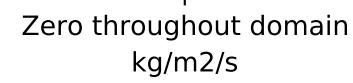
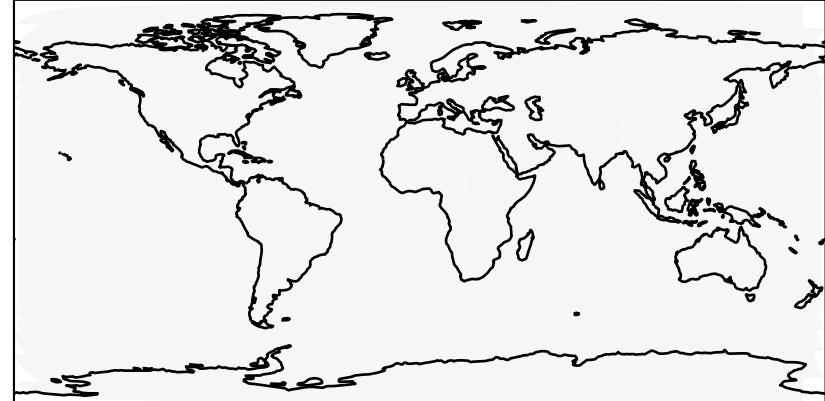
GCHP_13.1.0-beta.1 (Dev)
c48



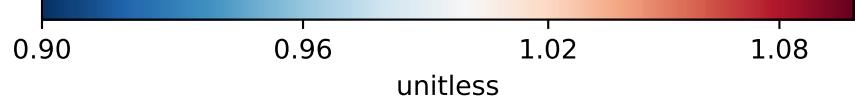
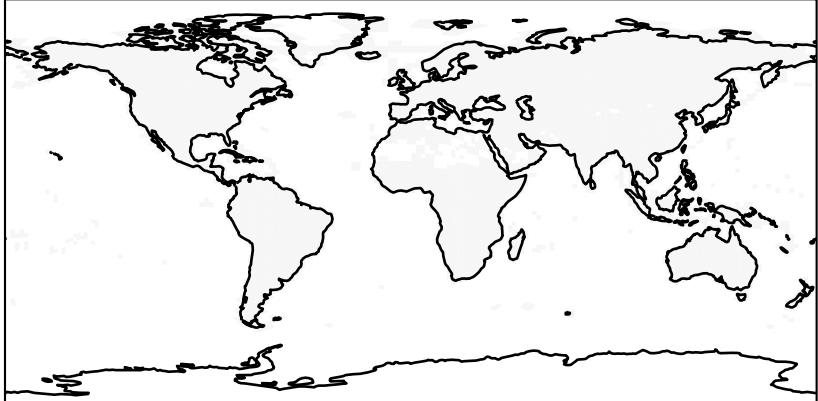
Difference
Dev - Ref, Dynamic Range



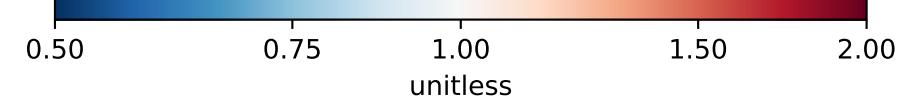
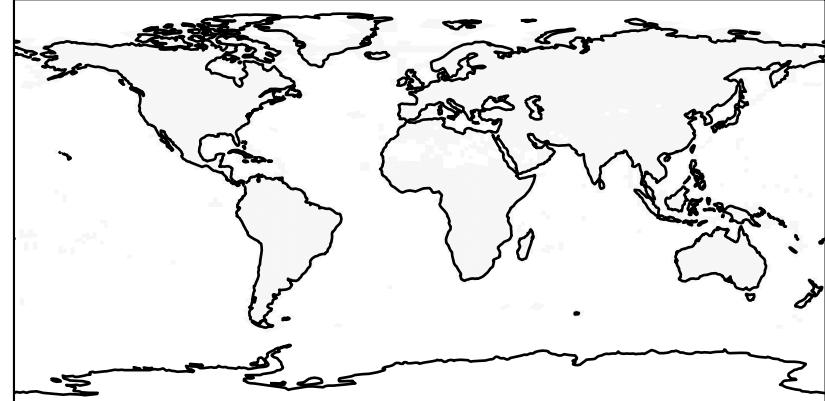
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

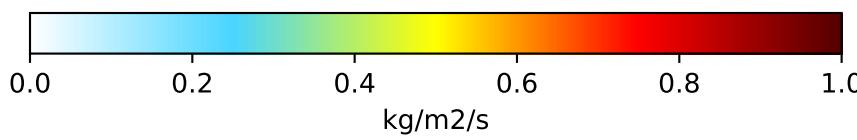


Ratio
Dev/Ref, Fixed Range

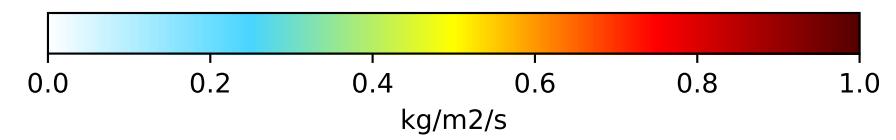
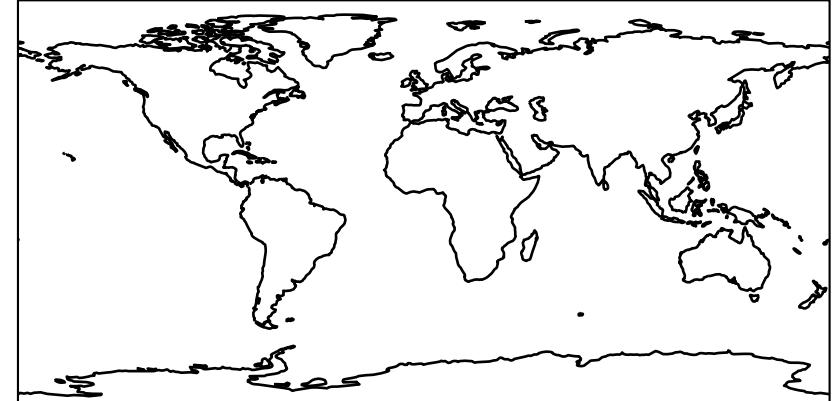


EmisMTPO_Biogenic

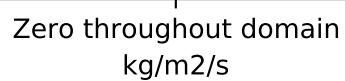
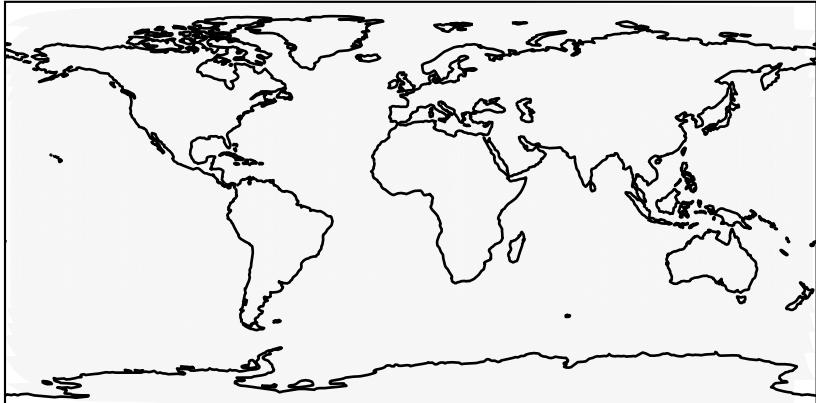
GCHP_13.0.0-rc.2 (Ref)
c48



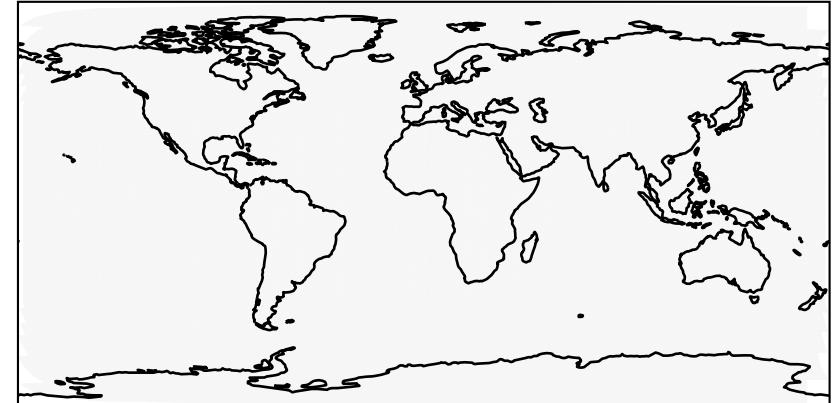
GCHP_13.1.0-beta.1 (Dev)
c48



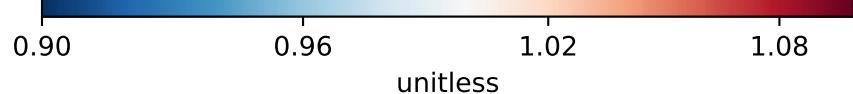
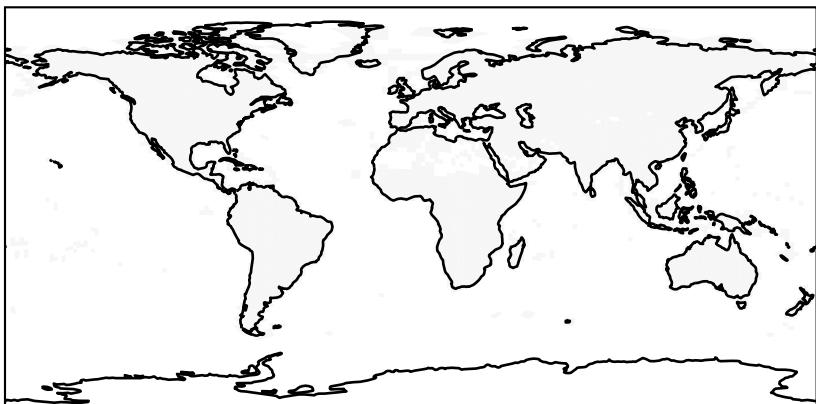
Difference
Dev - Ref, Dynamic Range



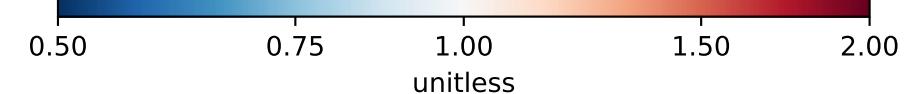
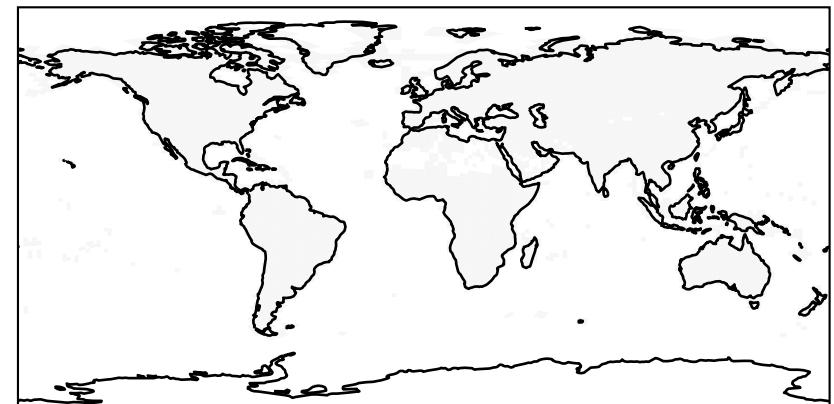
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

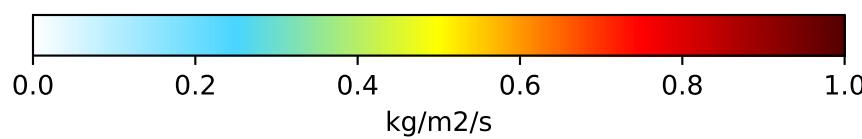
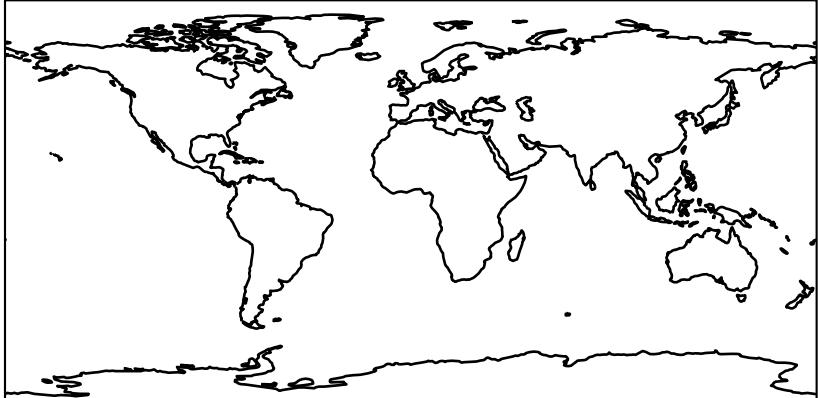


Ratio
Dev/Ref, Fixed Range

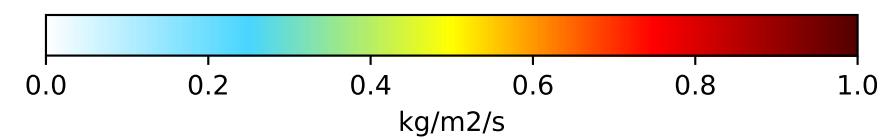
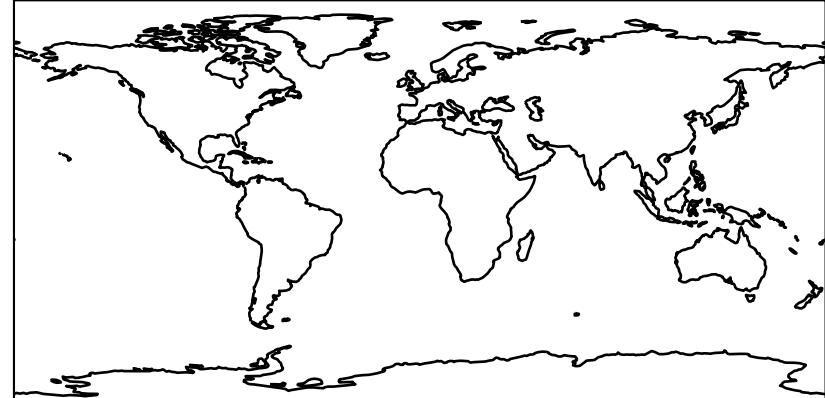


EmisLIMO_Biogenic

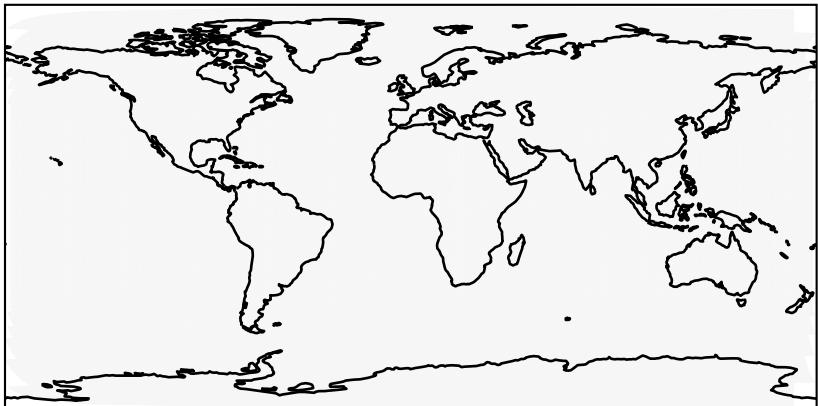
GCHP_13.0.0-rc.2 (Ref)
c48



GCHP_13.1.0-beta.1 (Dev)
c48

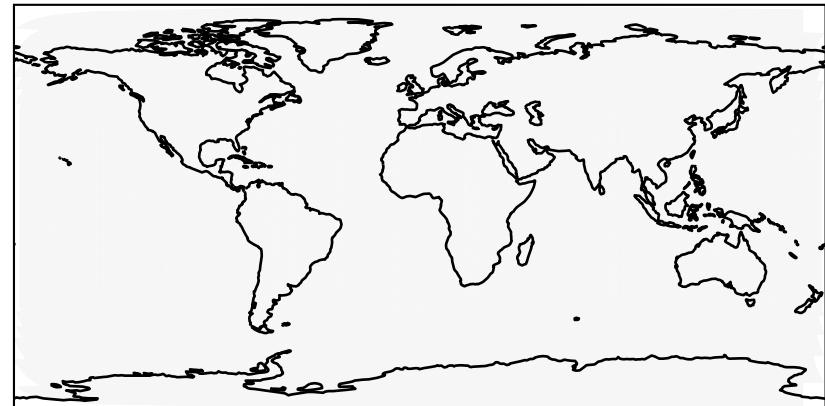


Difference
Dev - Ref, Dynamic Range



Zero throughout domain
kg/m²/s

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



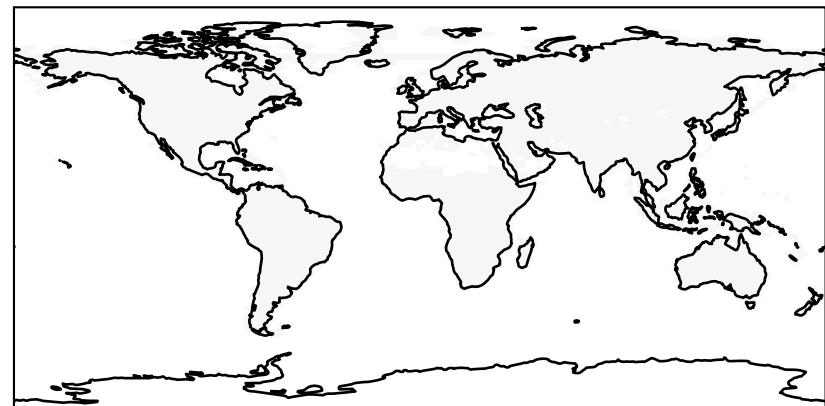
Zero throughout domain
kg/m²/s

Ratio
Dev/Ref, Dynamic Range



0.90 0.96 1.02 1.08
unitless

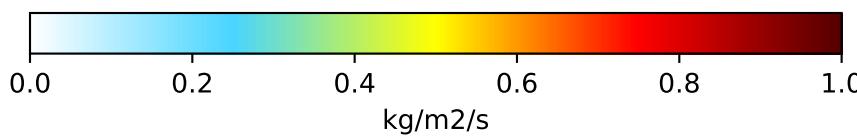
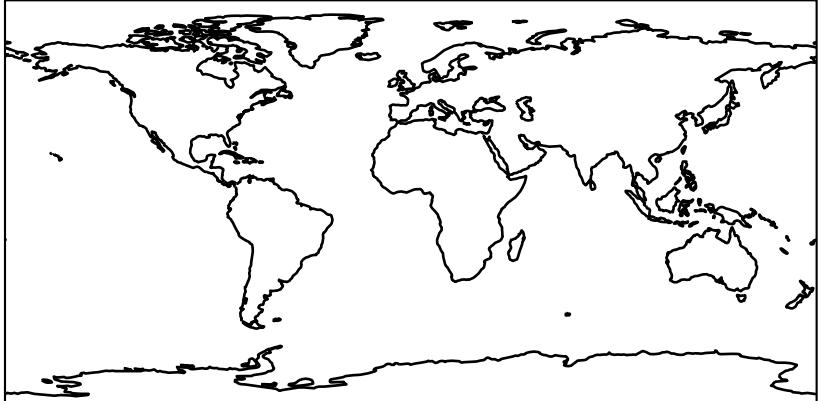
Ratio
Dev/Ref, Fixed Range



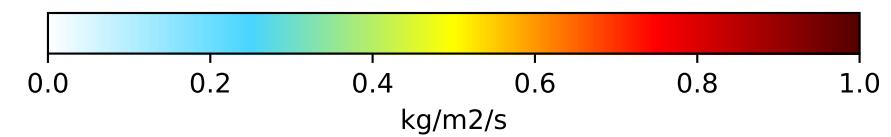
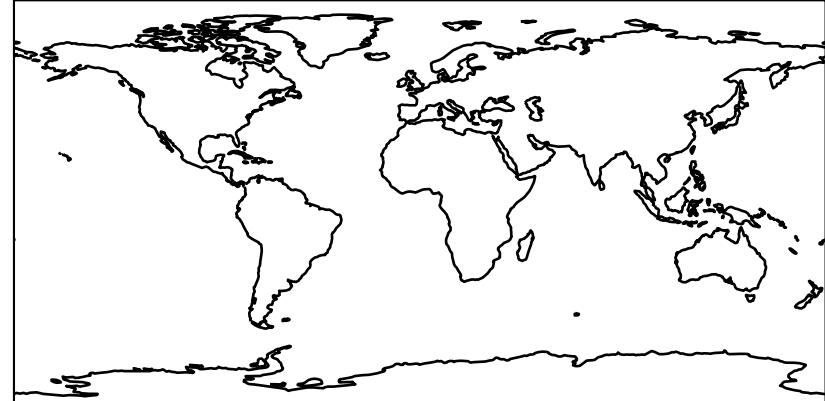
0.50 0.75 1.00 1.50 2.00
unitless

EmisALK4_Aircraft

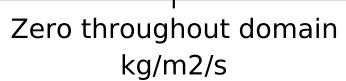
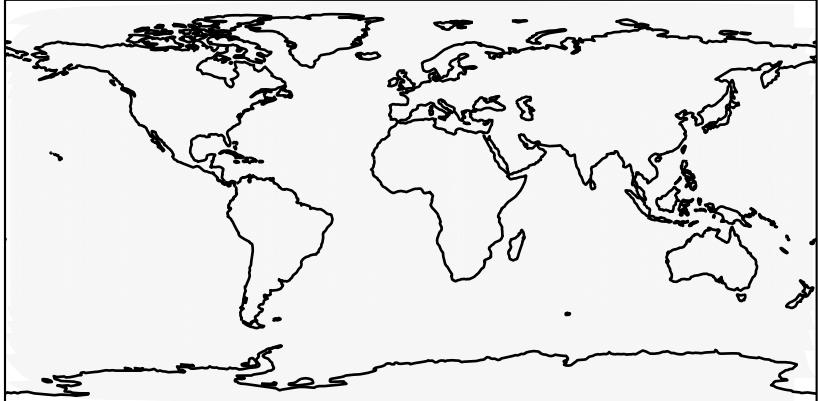
GCHP_13.0.0-rc.2 (Ref)
c48



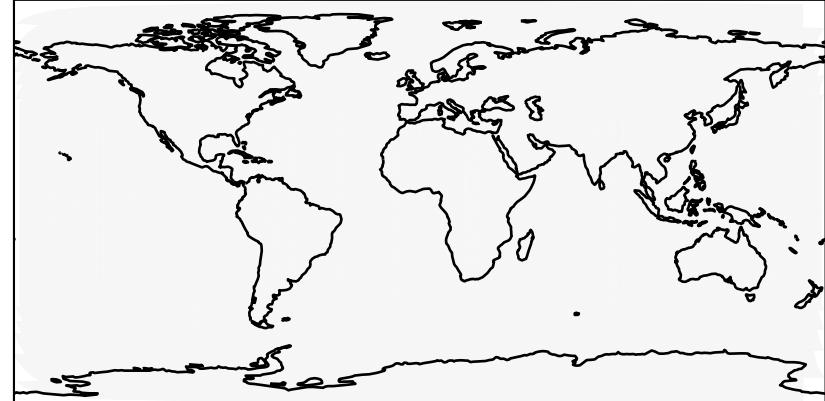
GCHP_13.1.0-beta.1 (Dev)
c48



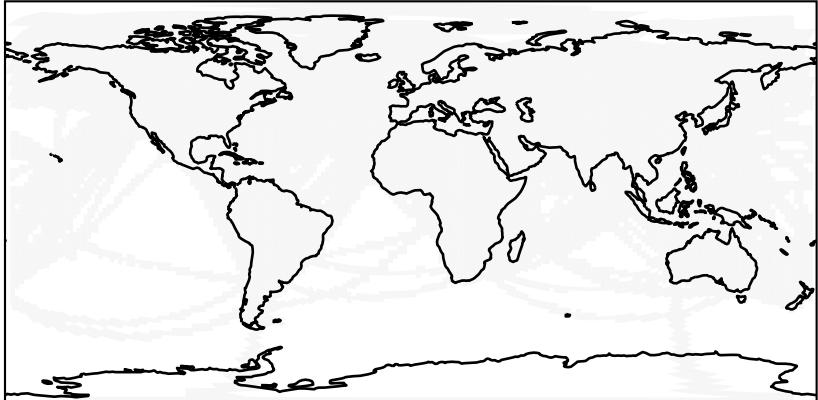
Difference
Dev - Ref, Dynamic Range



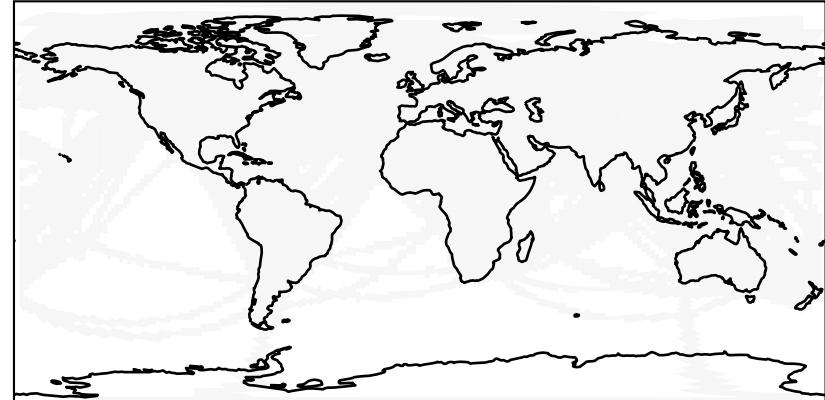
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

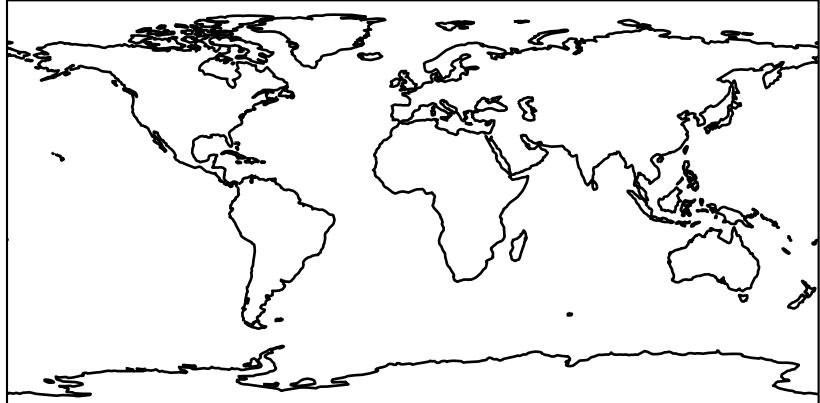


Ratio
Dev/Ref, Fixed Range

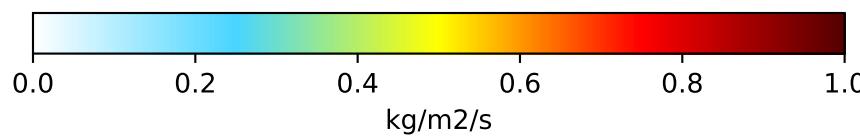


EmisALK4_Anthro

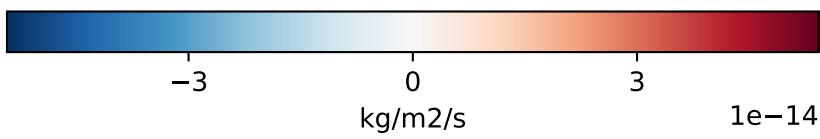
GCHP_13.0.0-rc.2 (Ref)
c48



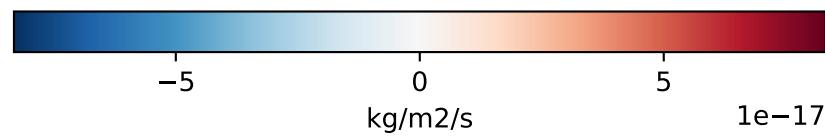
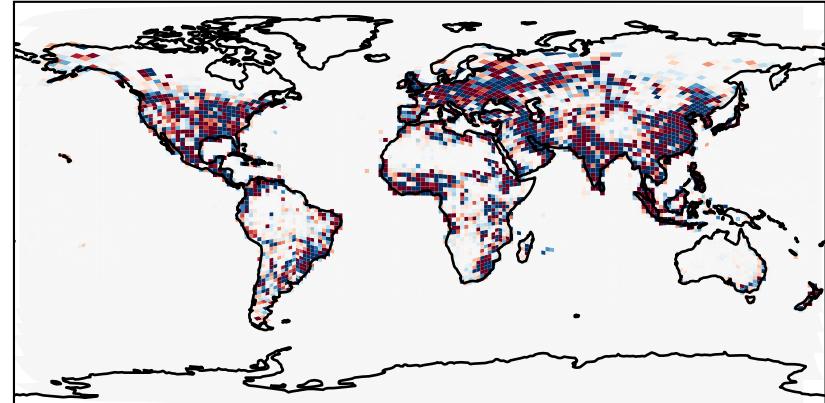
GCHP_13.1.0-beta.1 (Dev)
c48



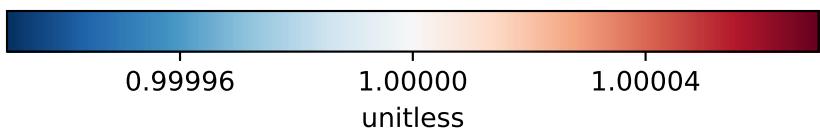
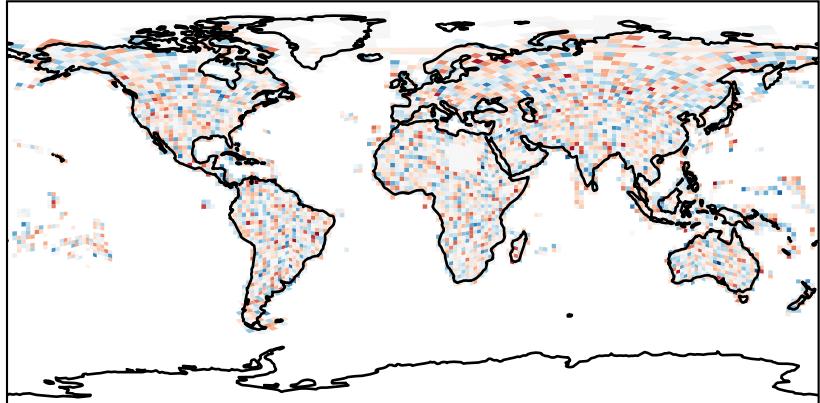
Difference
Dev - Ref, Dynamic Range



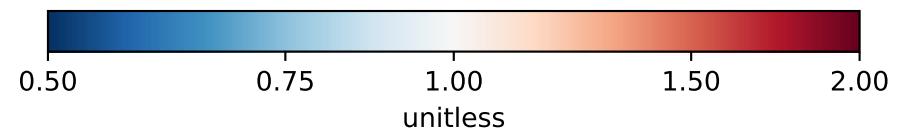
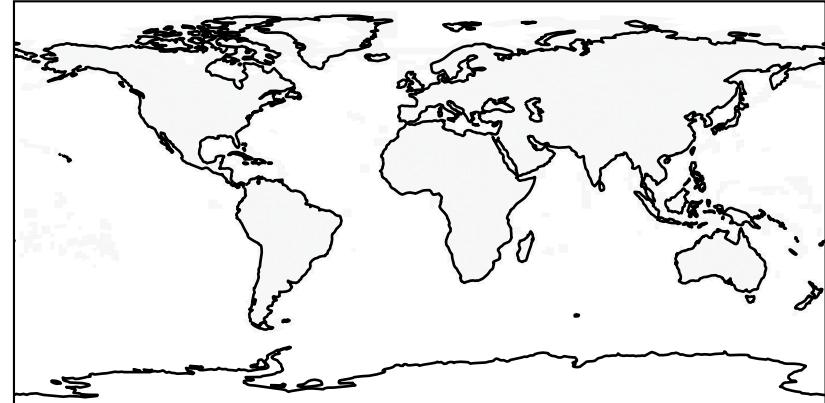
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

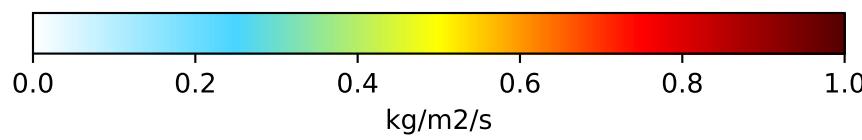
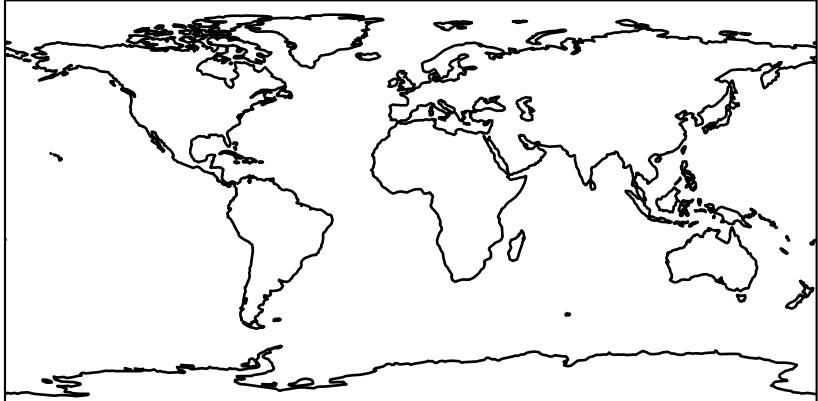


Ratio
Dev/Ref, Fixed Range

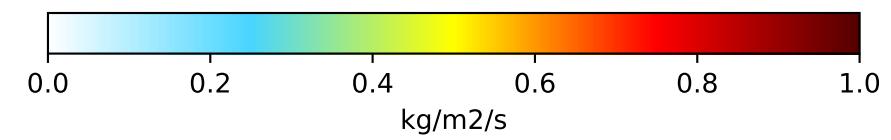


EmisALK4_BioBurn

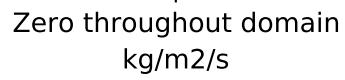
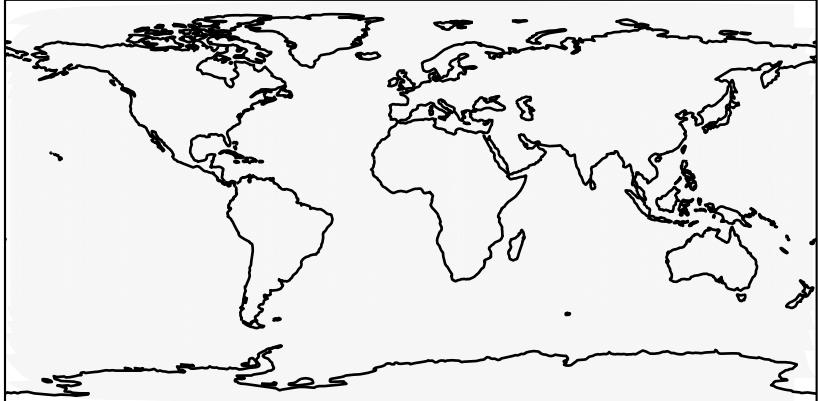
GCHP_13.0.0-rc.2 (Ref)
c48



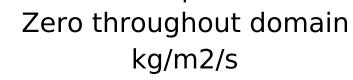
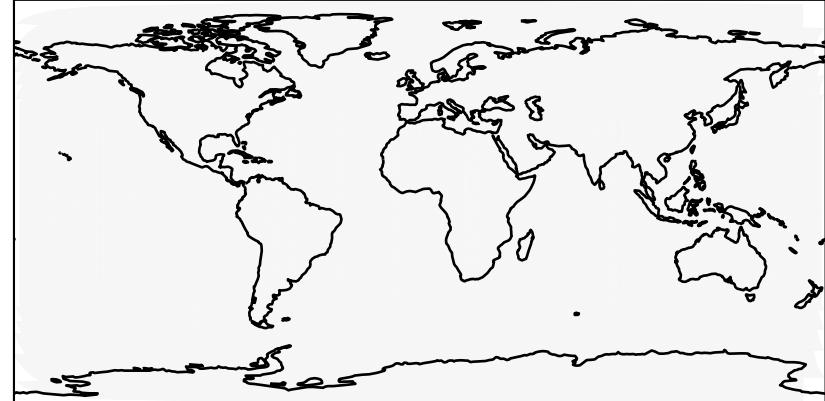
GCHP_13.1.0-beta.1 (Dev)
c48



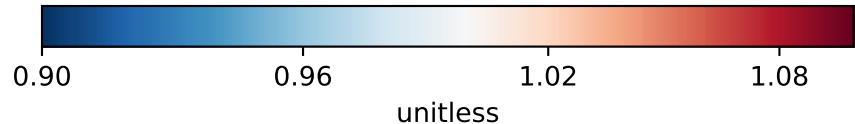
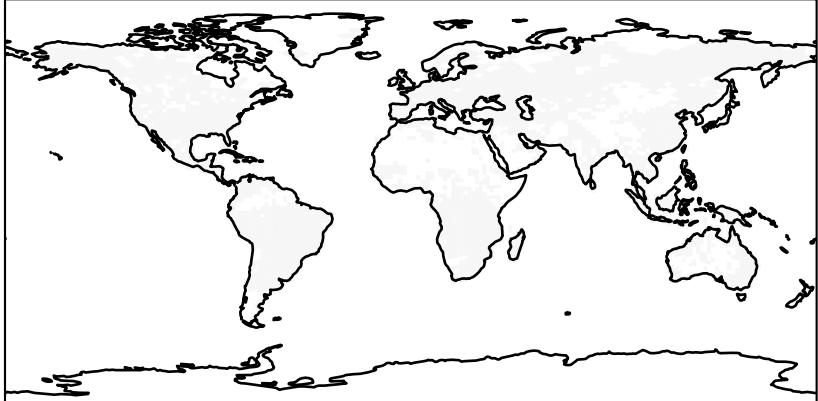
Difference
Dev - Ref, Dynamic Range



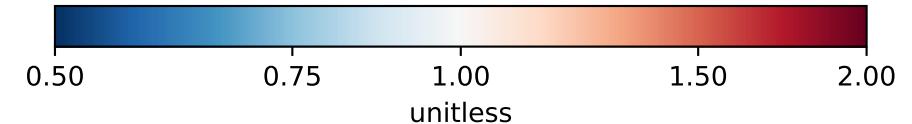
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

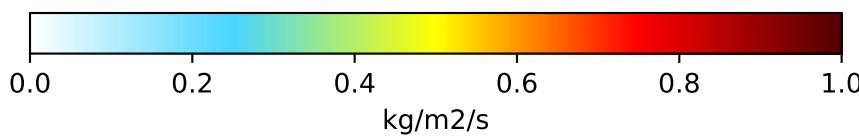
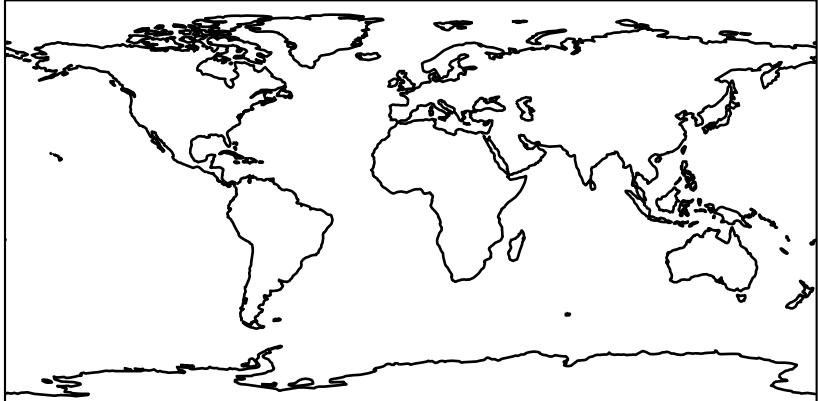


Ratio
Dev/Ref, Fixed Range

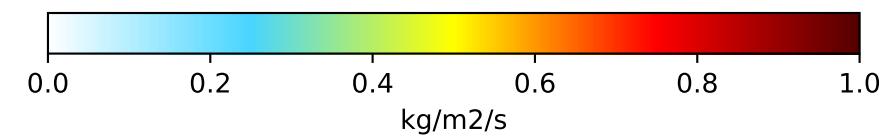


EmisALK4_Ship

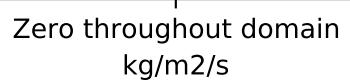
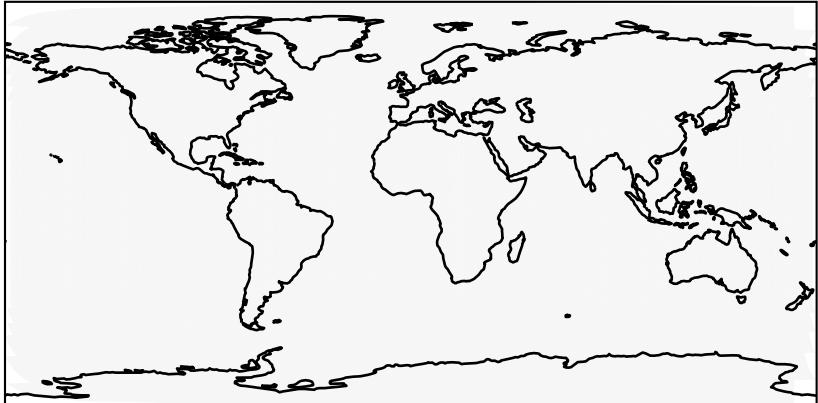
GCHP_13.0.0-rc.2 (Ref)
c48



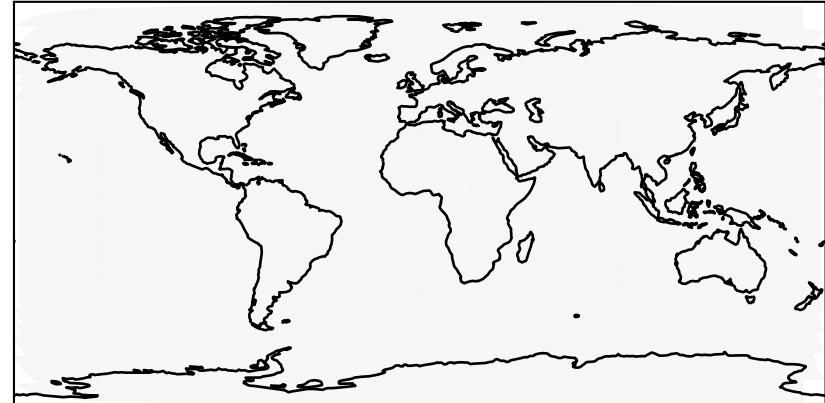
GCHP_13.1.0-beta.1 (Dev)
c48



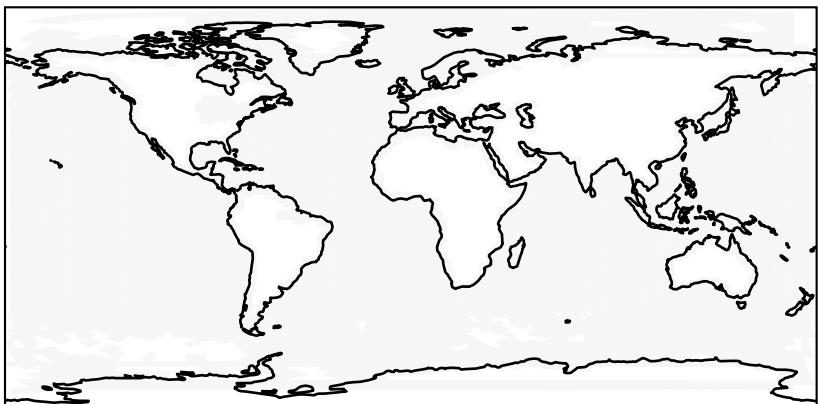
Difference
Dev - Ref, Dynamic Range



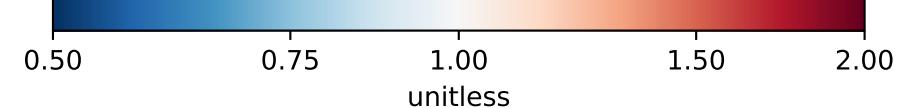
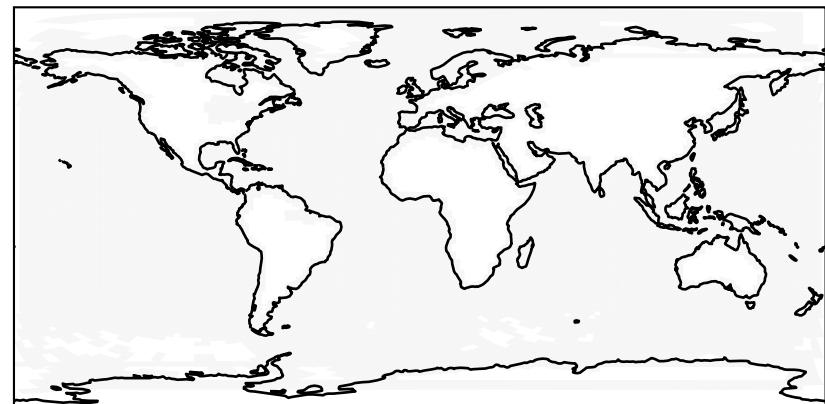
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range



Ratio
Dev/Ref, Fixed Range

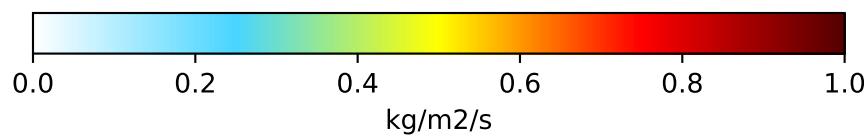
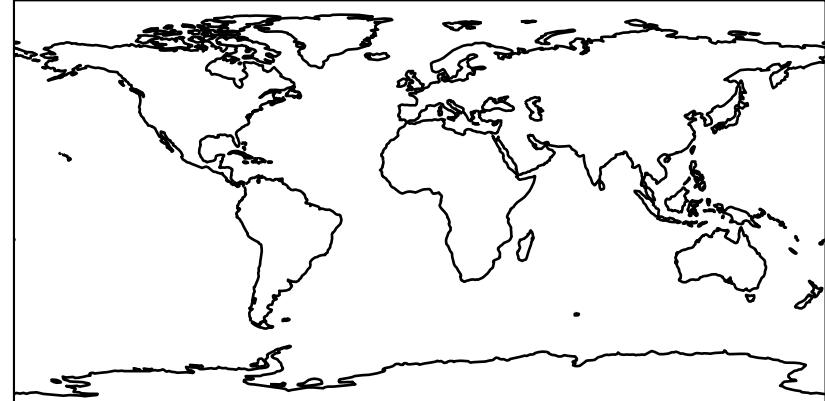


EmisALK4_Total

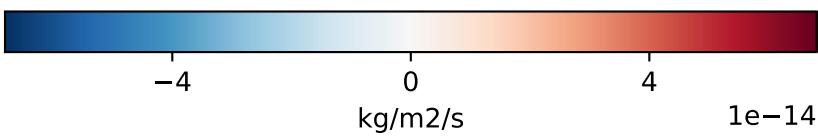
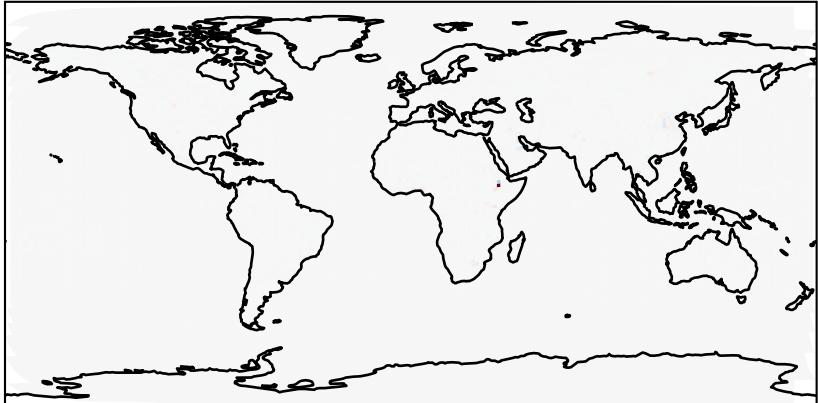
GCHP_13.0.0-rc.2 (Ref)
c48



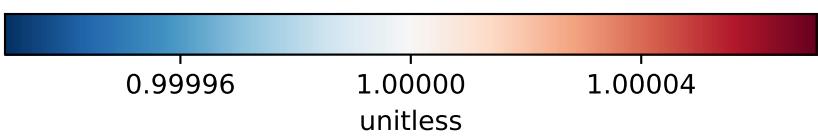
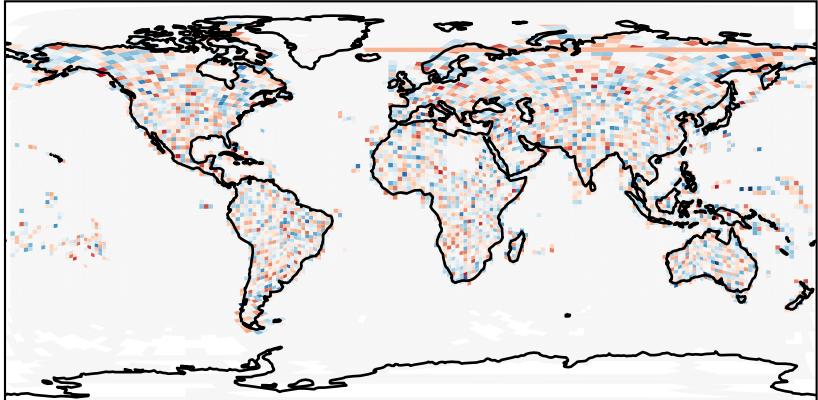
GCHP_13.1.0-beta.1 (Dev)
c48



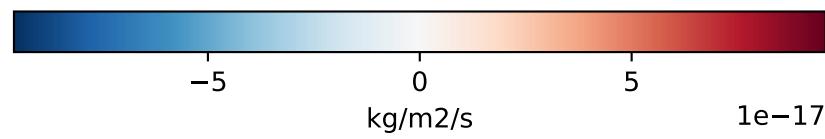
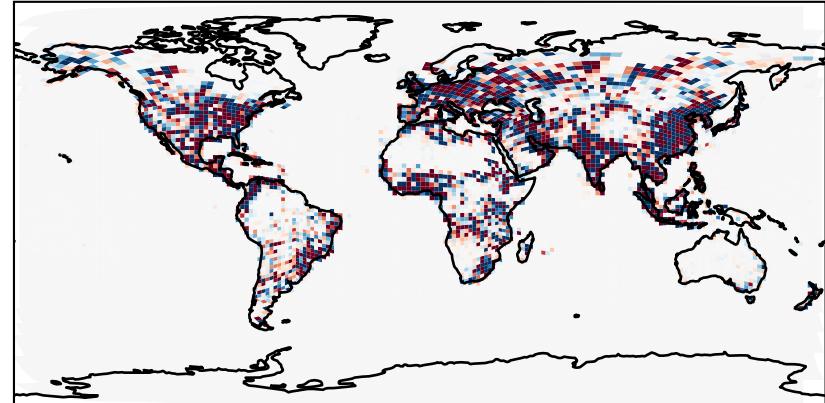
Difference
Dev - Ref, Dynamic Range



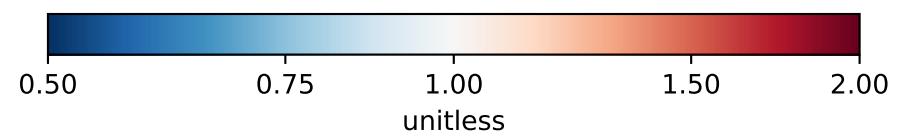
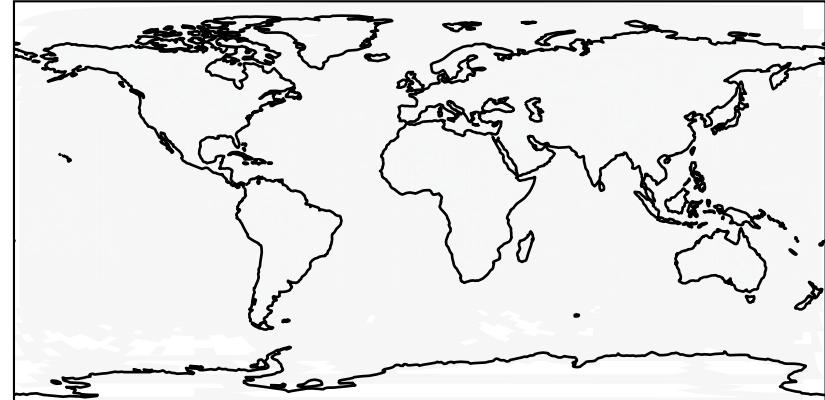
Ratio
Dev/Ref, Dynamic Range



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

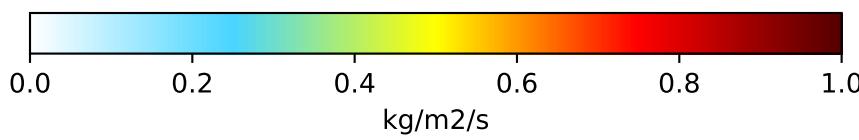


Ratio
Dev/Ref, Fixed Range

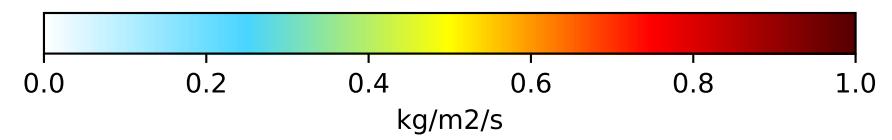
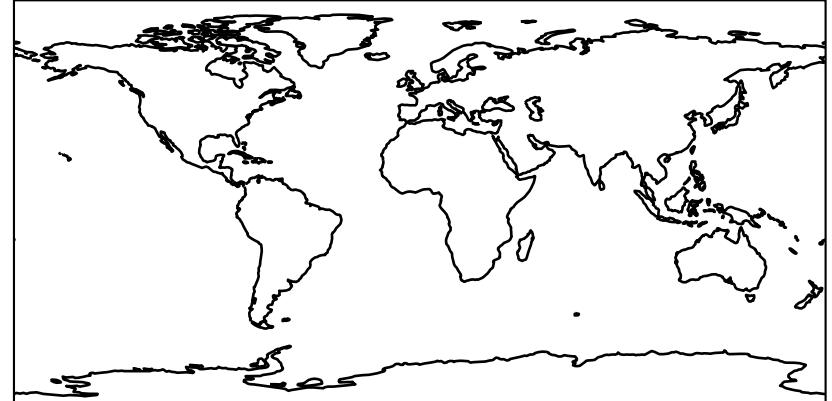


EmisBENZ_Anthro

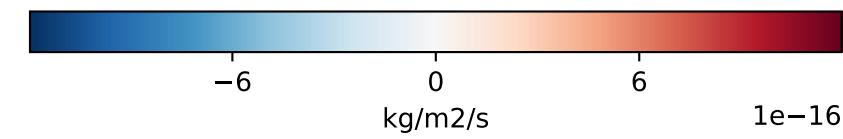
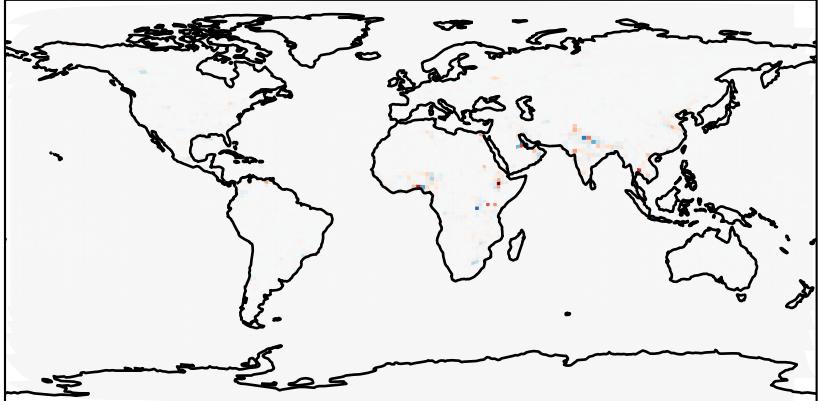
GCHP_13.0.0-rc.2 (Ref)
c48



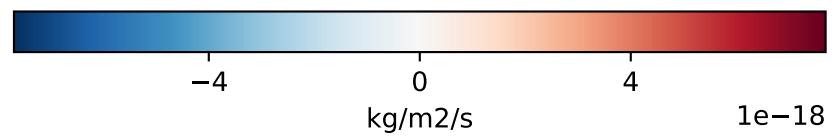
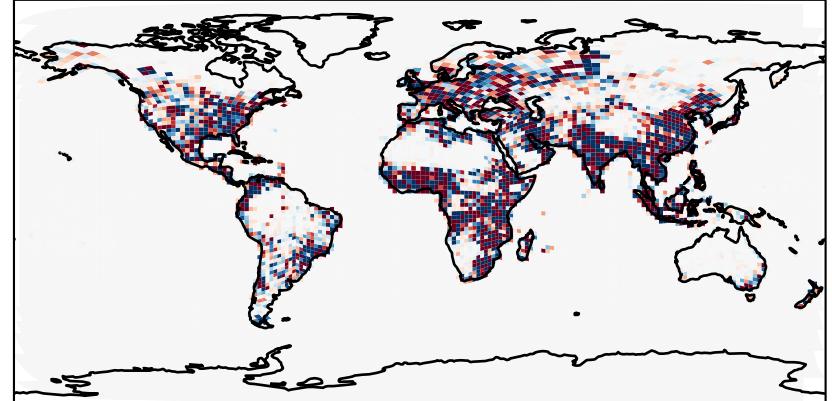
GCHP_13.1.0-beta.1 (Dev)
c48



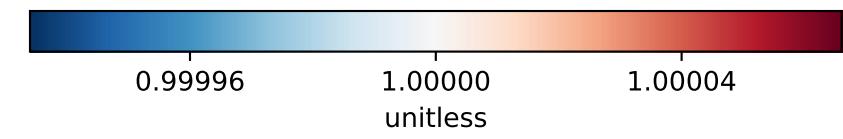
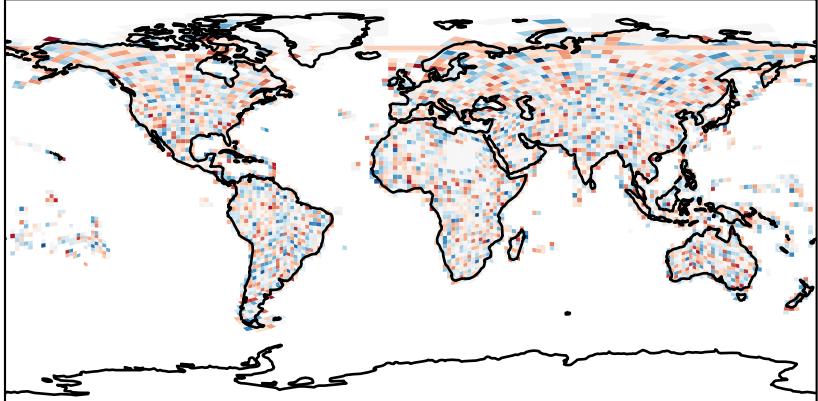
Difference
Dev - Ref, Dynamic Range



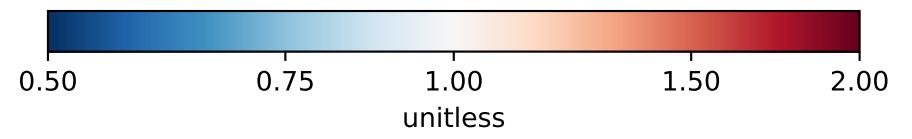
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

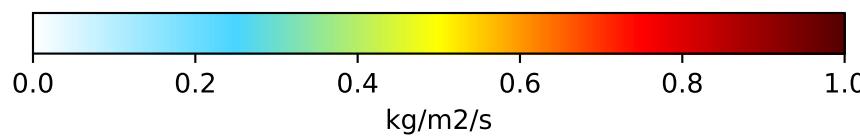
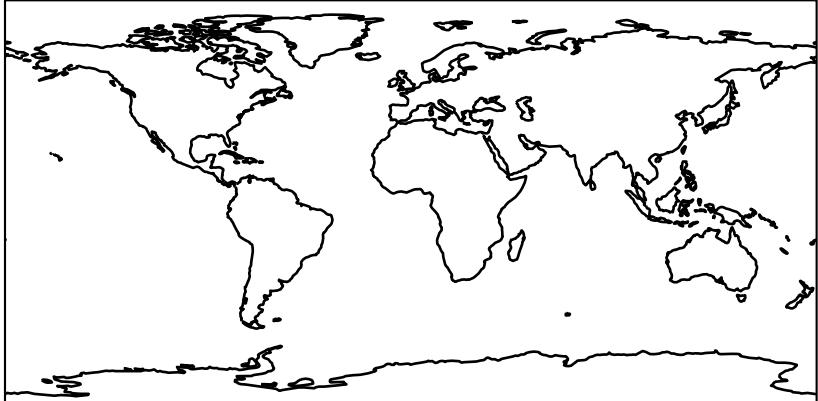


Ratio
Dev/Ref, Fixed Range

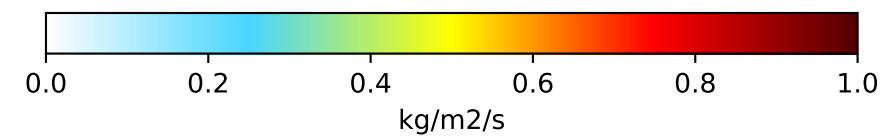


EmisBENZ_BioBurn

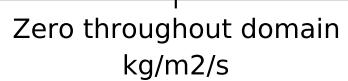
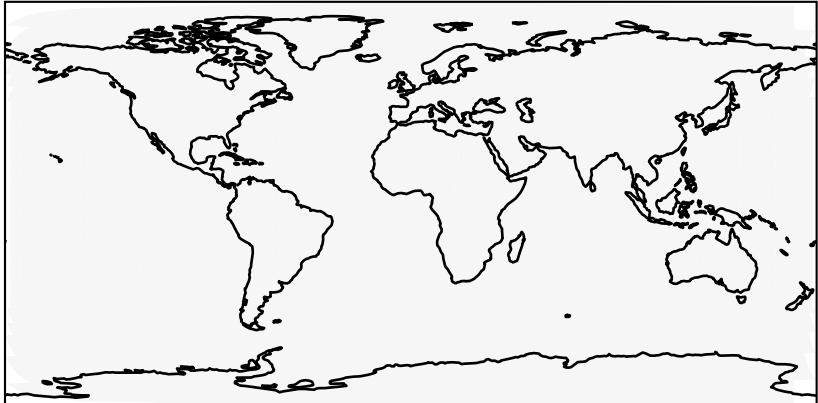
GCHP_13.0.0-rc.2 (Ref)
c48



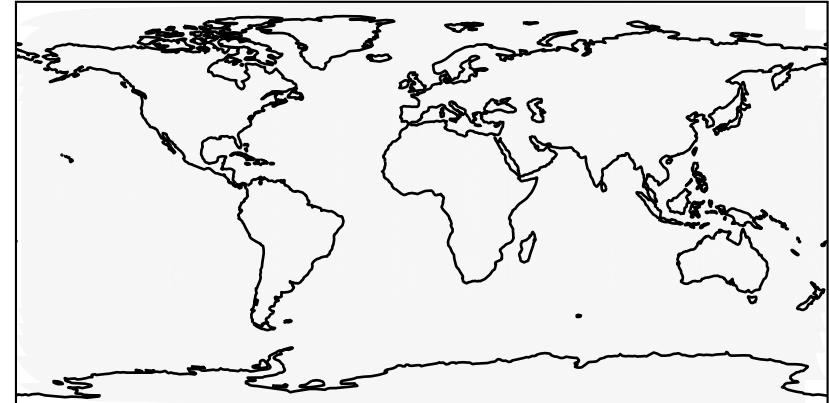
GCHP_13.1.0-beta.1 (Dev)
c48



Difference
Dev - Ref, Dynamic Range



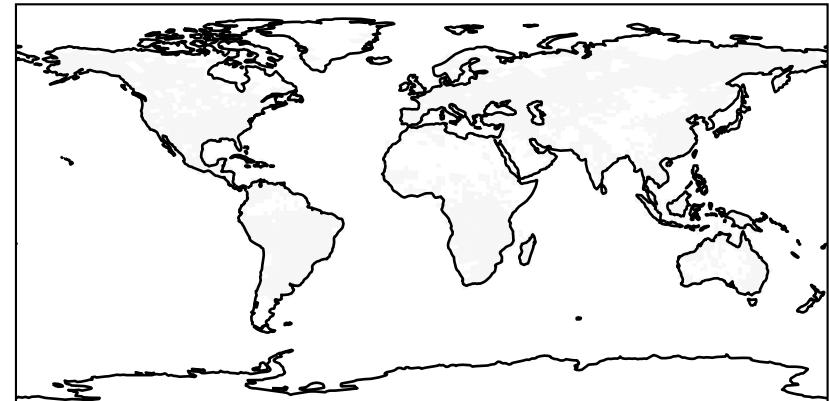
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

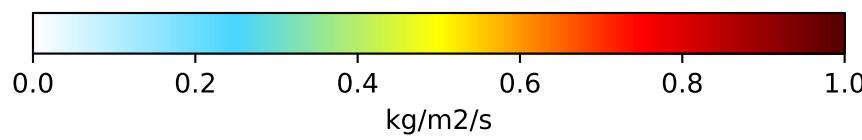
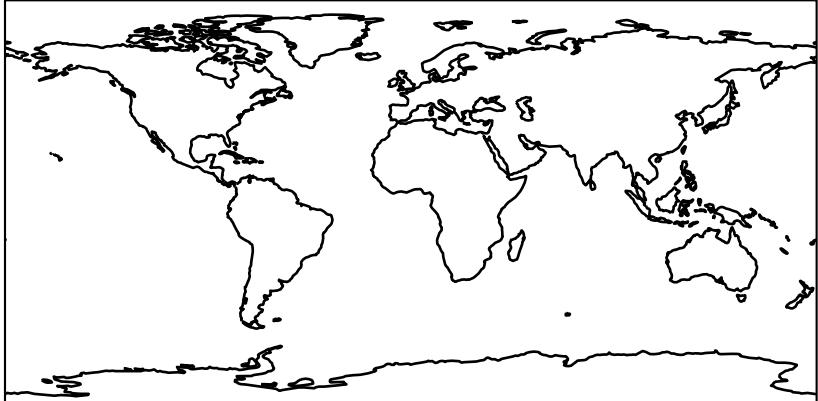


Ratio
Dev/Ref, Fixed Range

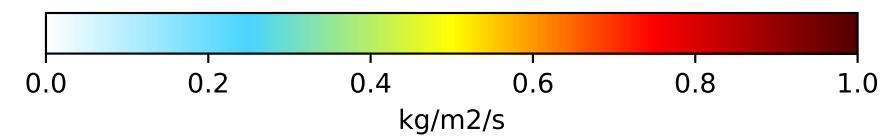
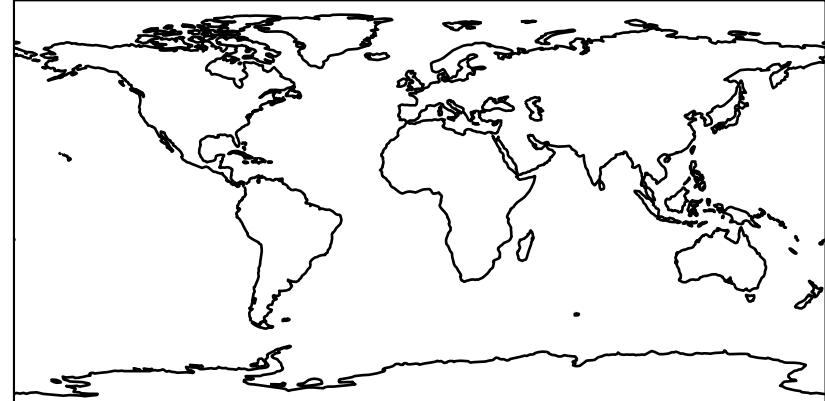


EmisBENZ_Ship

GCHP_13.0.0-rc.2 (Ref)
c48



GCHP_13.1.0-beta.1 (Dev)
c48

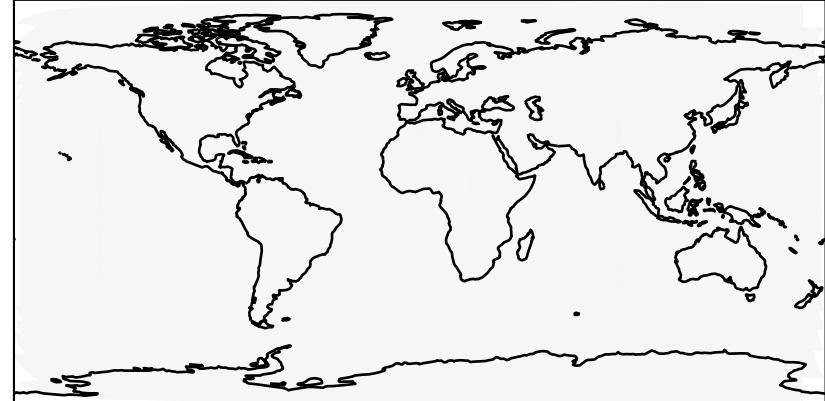


Difference
Dev - Ref, Dynamic Range



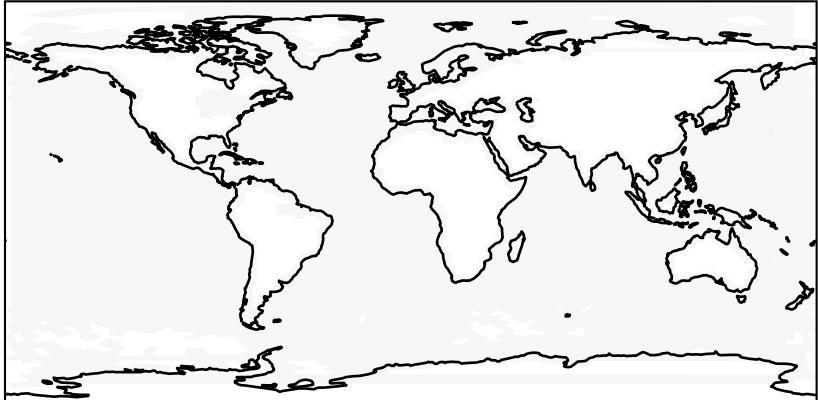
Zero throughout domain
kg/m²/s

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



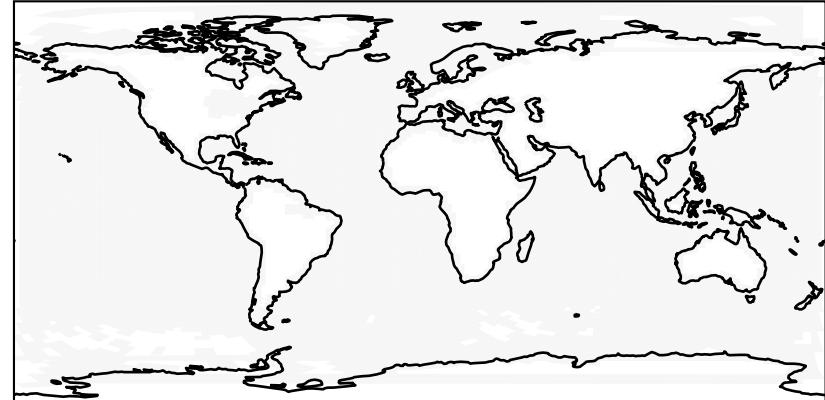
Zero throughout domain
kg/m²/s

Ratio
Dev/Ref, Dynamic Range



0.90 0.96 1.02 1.08
unitless

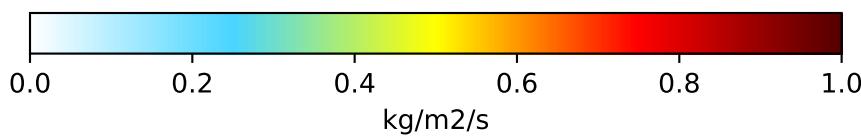
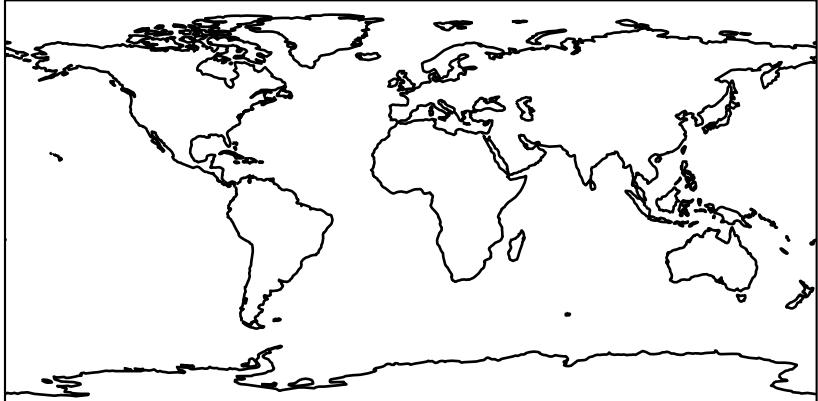
Ratio
Dev/Ref, Fixed Range



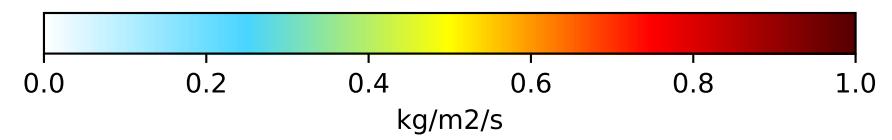
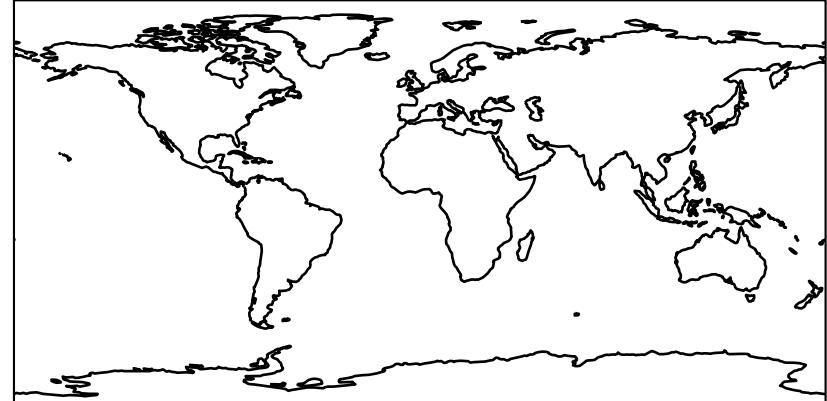
0.50 0.75 1.00 1.50 2.00
unitless

EmisBENZ_Total

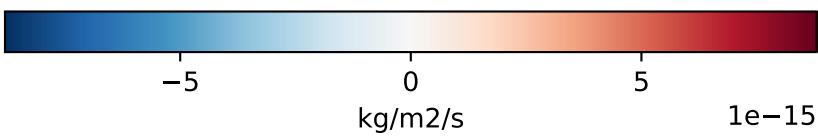
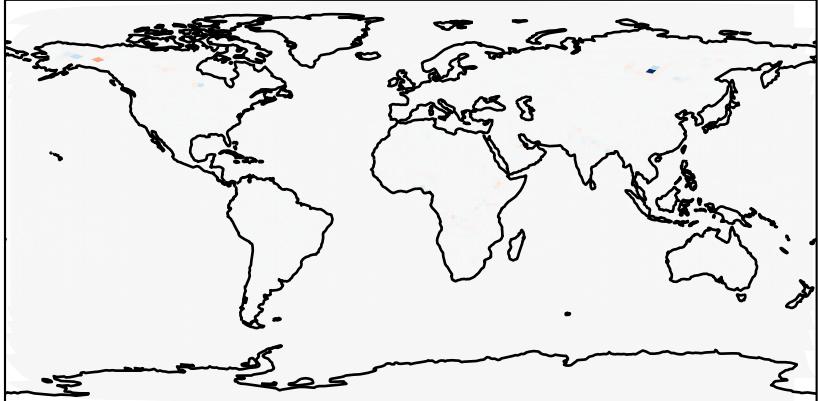
GCHP_13.0.0-rc.2 (Ref)
c48



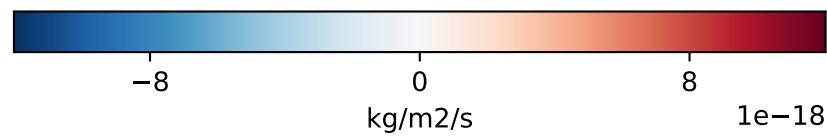
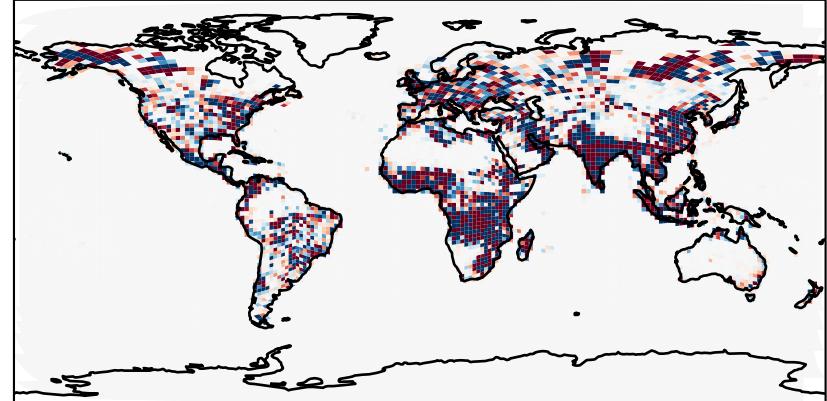
GCHP_13.1.0-beta.1 (Dev)
c48



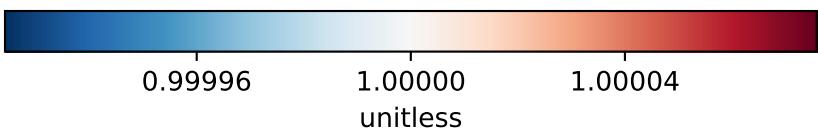
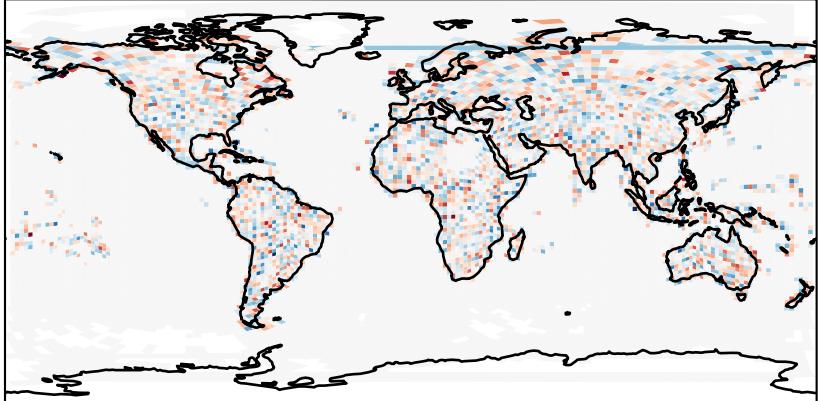
Difference
Dev - Ref, Dynamic Range



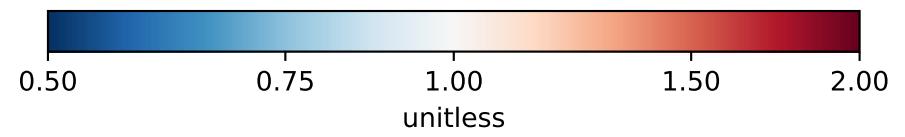
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

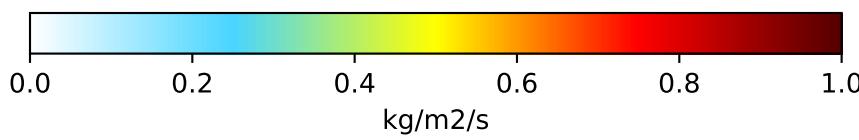
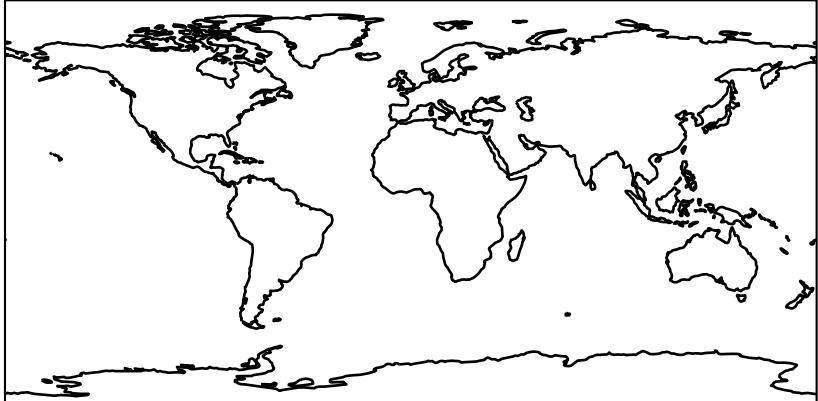


Ratio
Dev/Ref, Fixed Range

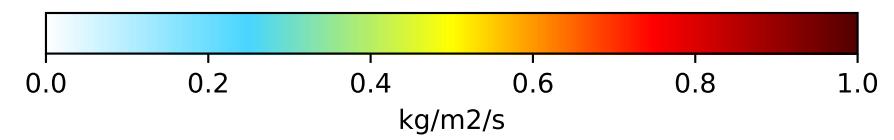


EmisC2H6_Aircraft

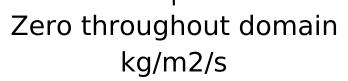
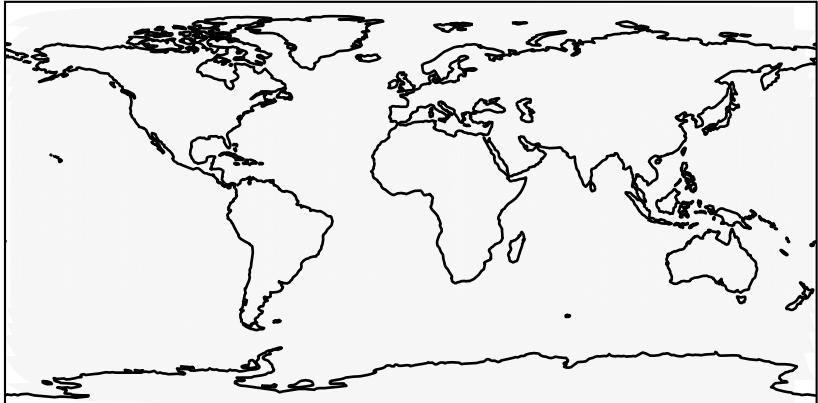
GCHP_13.0.0-rc.2 (Ref)
c48



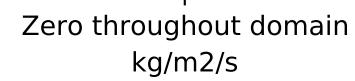
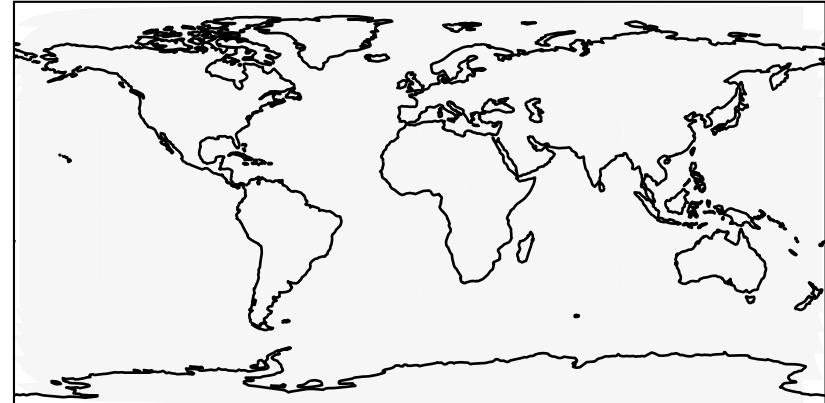
GCHP_13.1.0-beta.1 (Dev)
c48



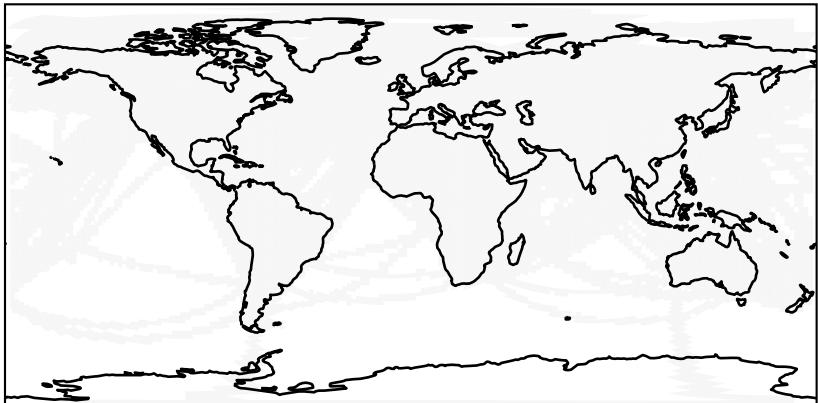
Difference
Dev - Ref, Dynamic Range



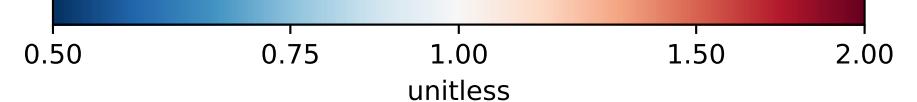
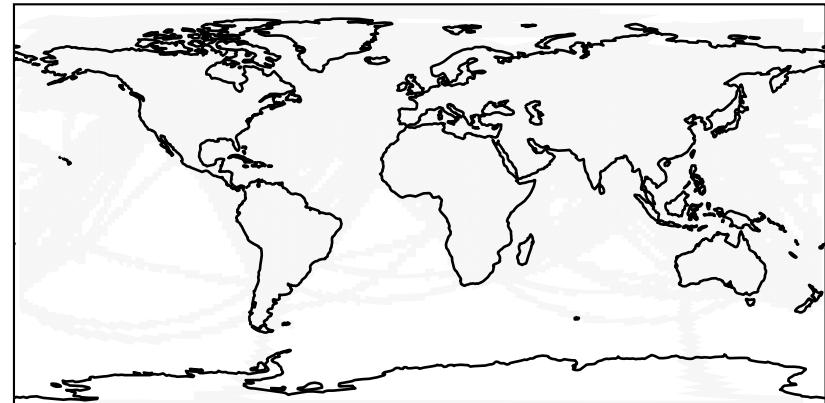
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

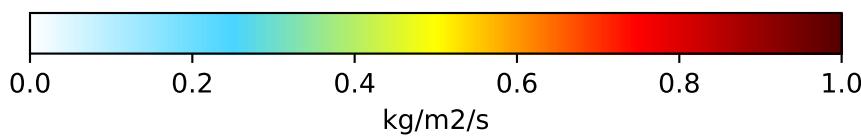


Ratio
Dev/Ref, Fixed Range

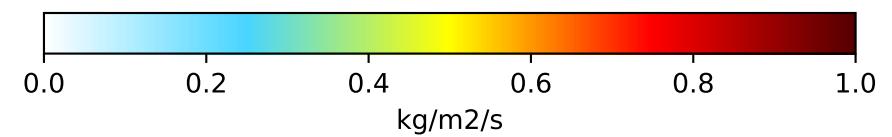


EmisC2H6_Anthro

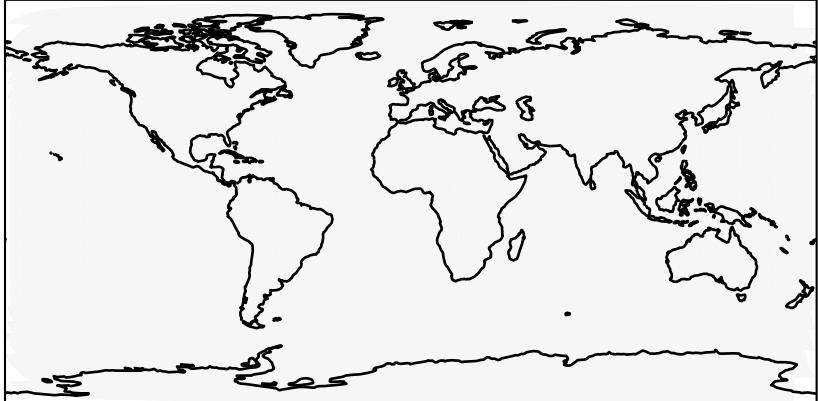
GCHP_13.0.0-rc.2 (Ref)
c48



GCHP_13.1.0-beta.1 (Dev)
c48

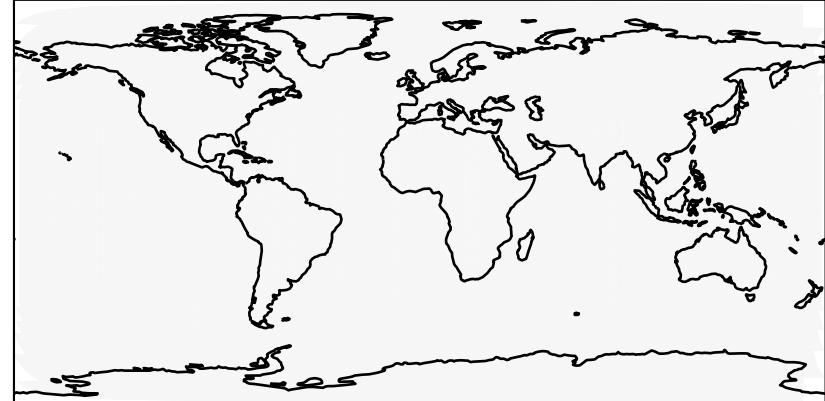


Difference
Dev - Ref, Dynamic Range



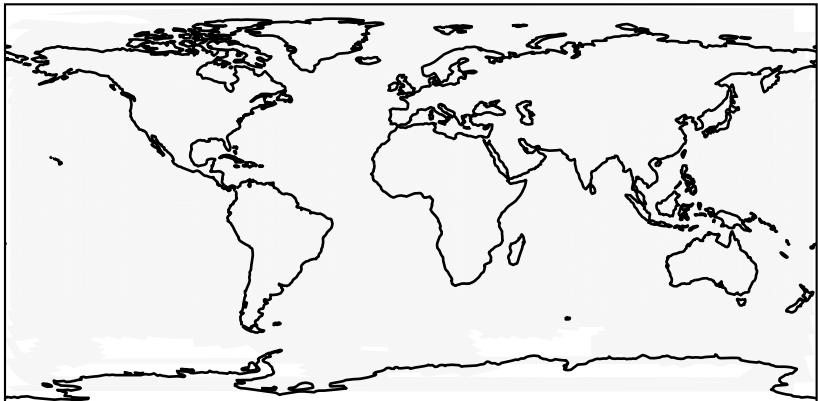
Zero throughout domain
kg/m²/s

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



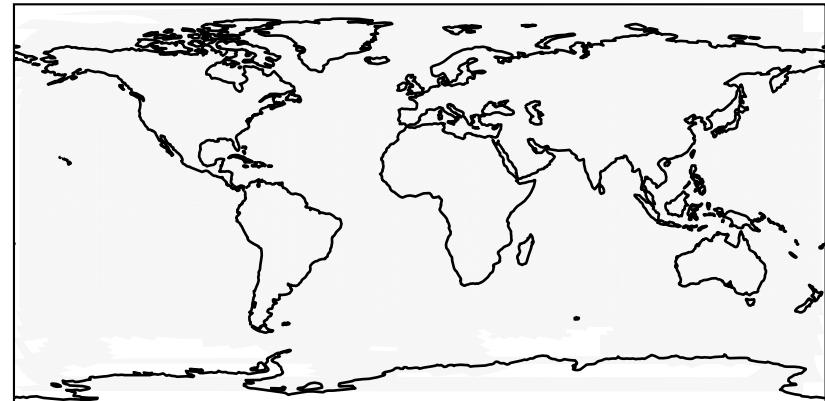
Zero throughout domain
kg/m²/s

Ratio
Dev/Ref, Dynamic Range



0.90 0.96 1.02 1.08
unitless

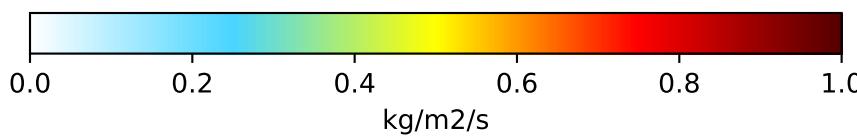
Ratio
Dev/Ref, Fixed Range



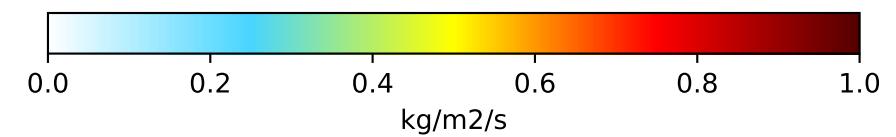
0.50 0.75 1.00 1.50 2.00
unitless

EmisC2H6_BioBurn

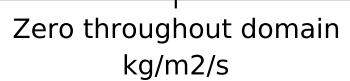
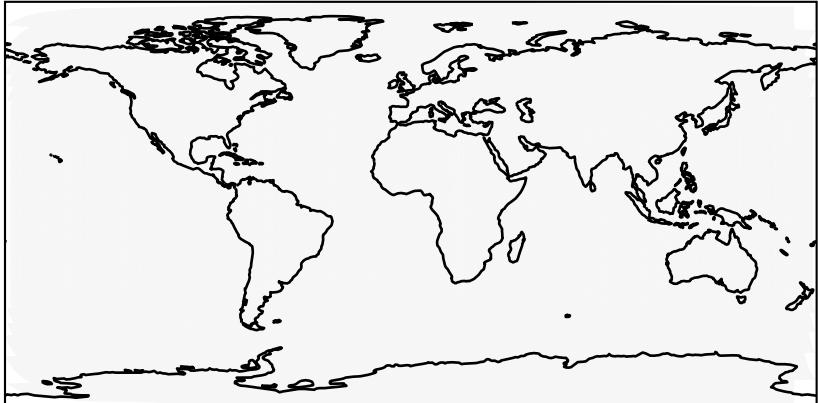
GCHP_13.0.0-rc.2 (Ref)
c48



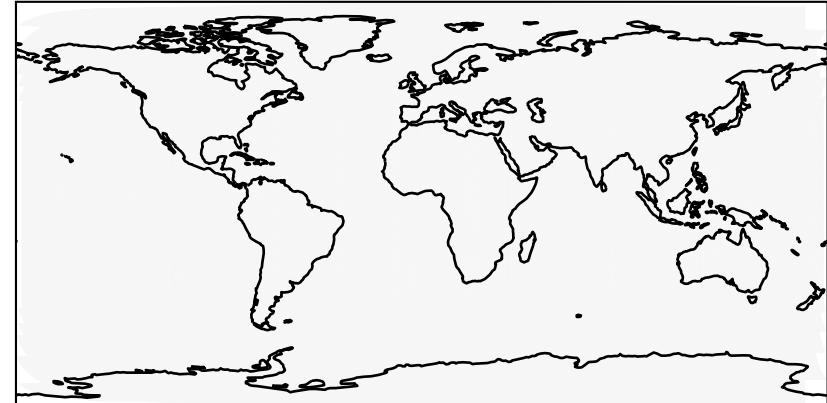
GCHP_13.1.0-beta.1 (Dev)
c48



Difference
Dev - Ref, Dynamic Range



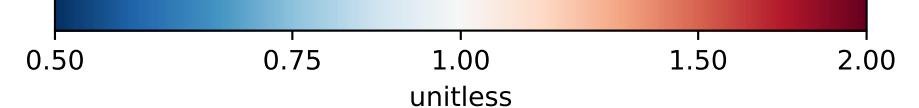
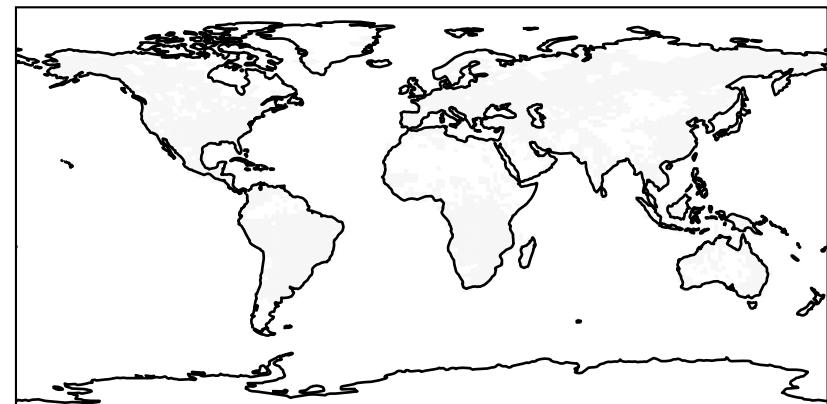
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

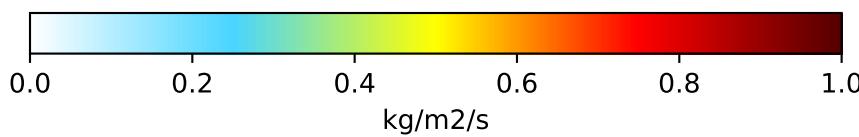
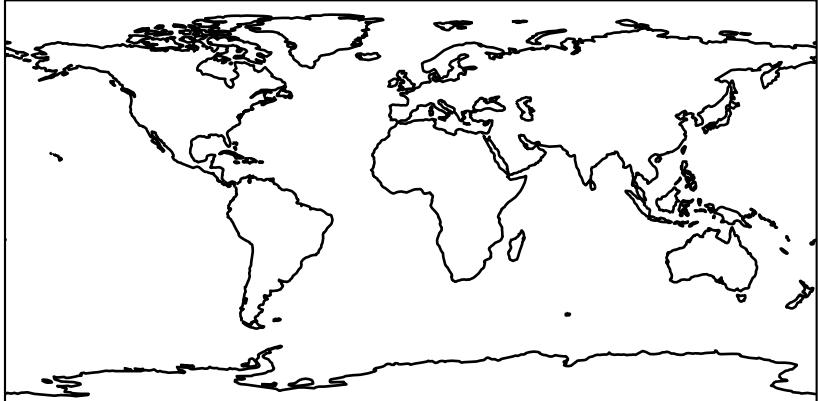


Ratio
Dev/Ref, Fixed Range

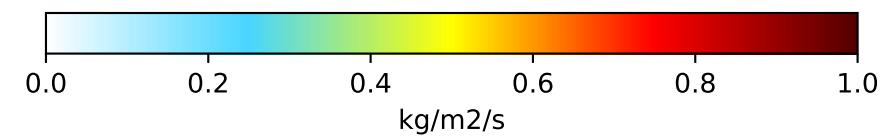


EmisC2H6_Ship

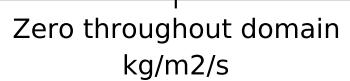
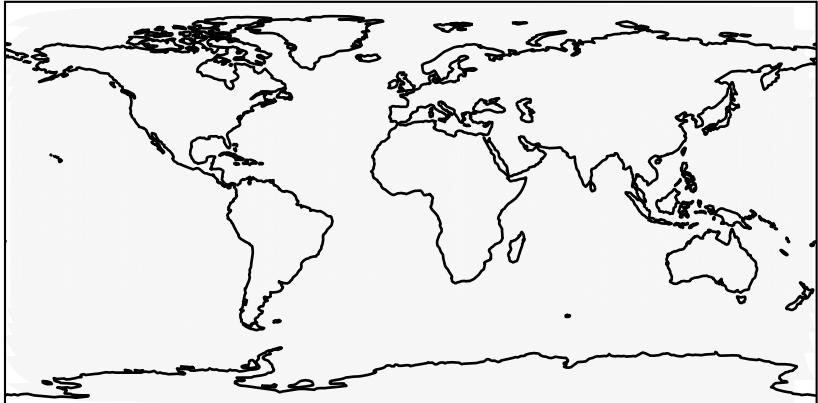
GCHP_13.0.0-rc.2 (Ref)
c48



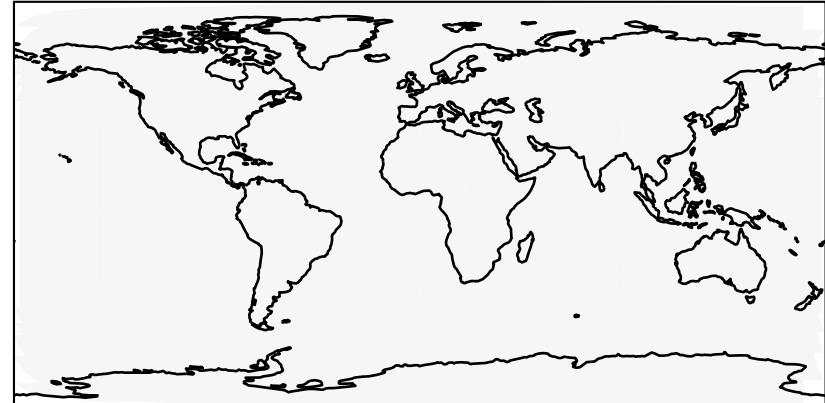
GCHP_13.1.0-beta.1 (Dev)
c48



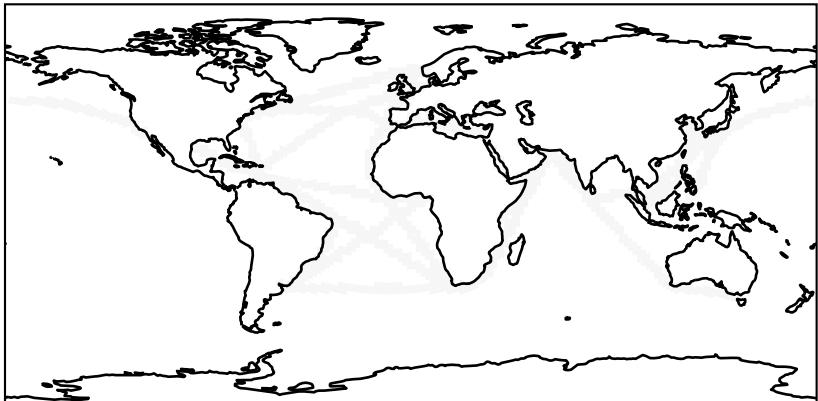
Difference
Dev - Ref, Dynamic Range



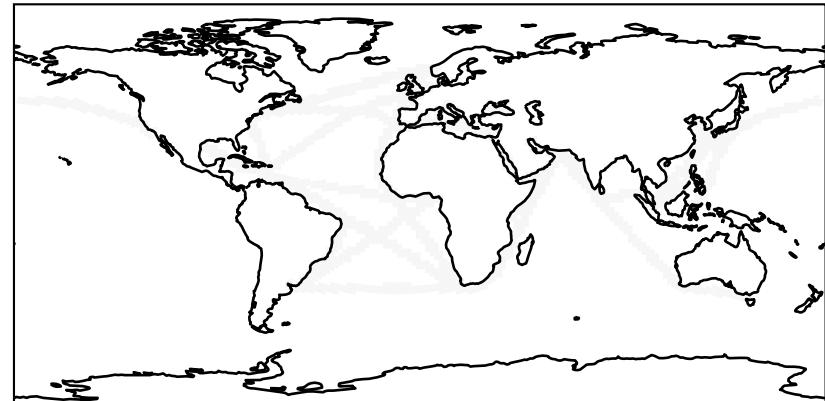
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

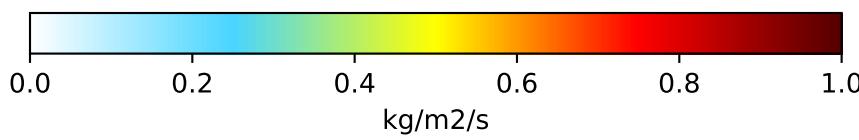
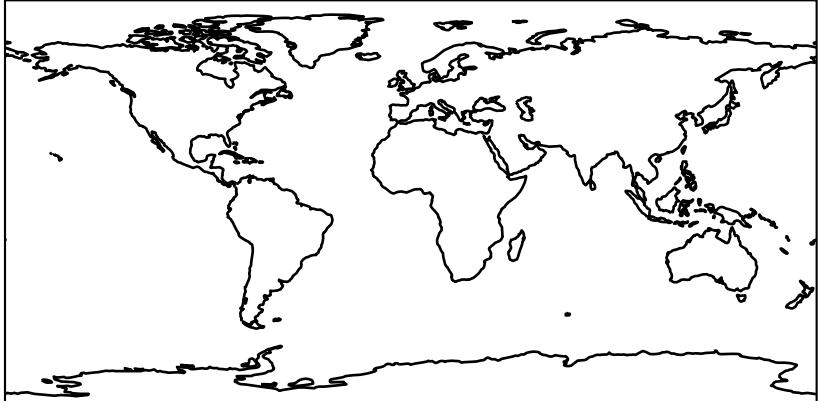


Ratio
Dev/Ref, Fixed Range

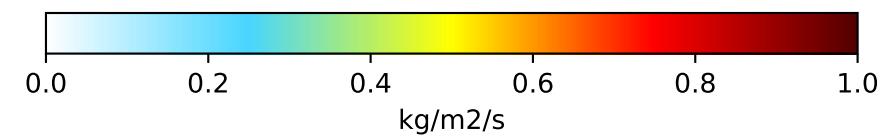
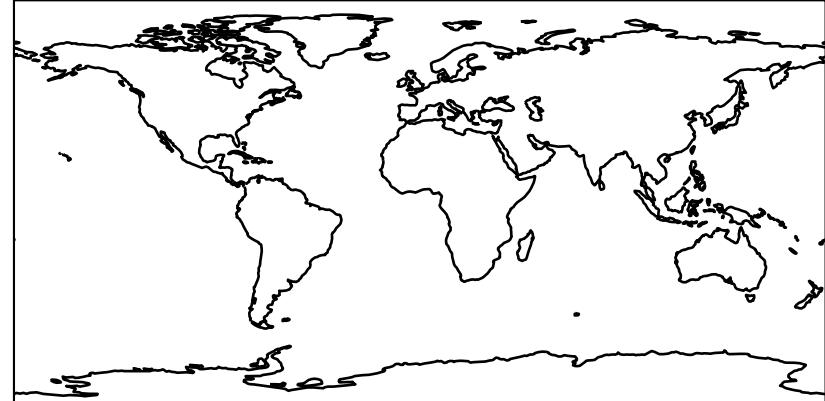


EmisC2H6_Total

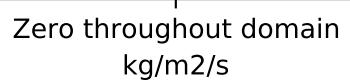
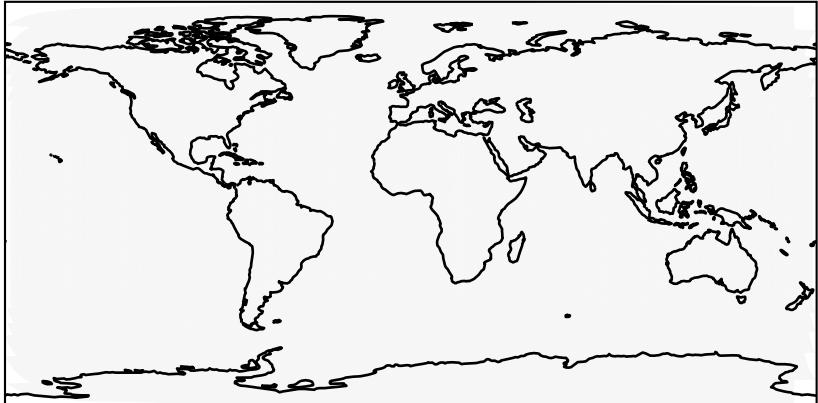
GCHP_13.0.0-rc.2 (Ref)
c48



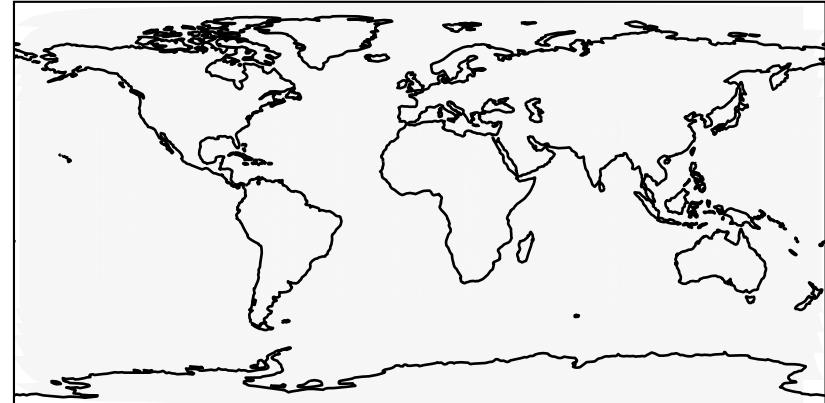
GCHP_13.1.0-beta.1 (Dev)
c48



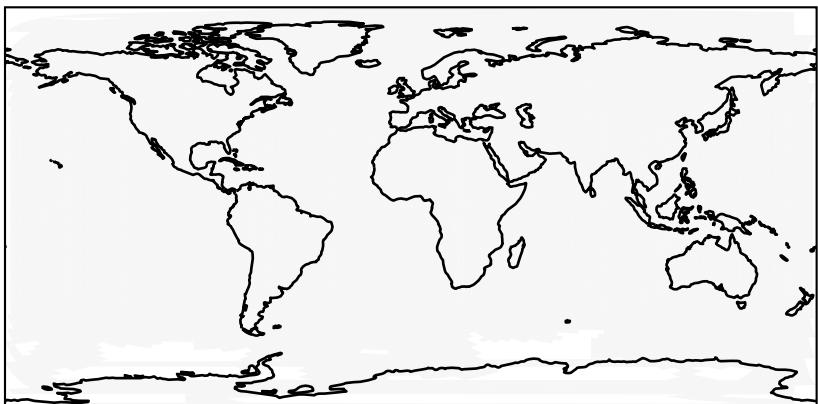
Difference
Dev - Ref, Dynamic Range



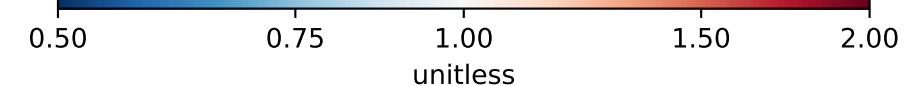
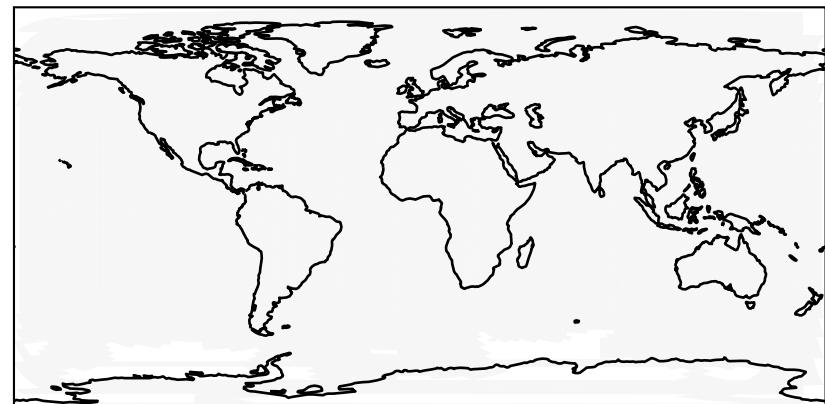
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

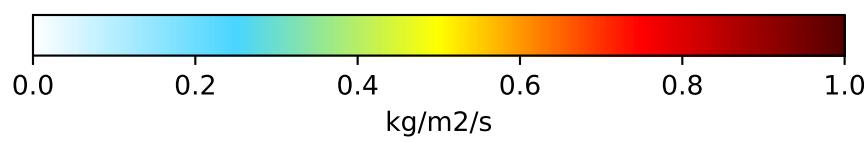


Ratio
Dev/Ref, Fixed Range

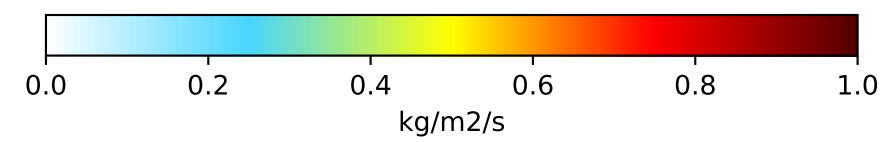


EmisC3H8_Aircraft

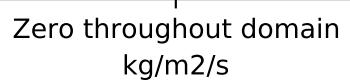
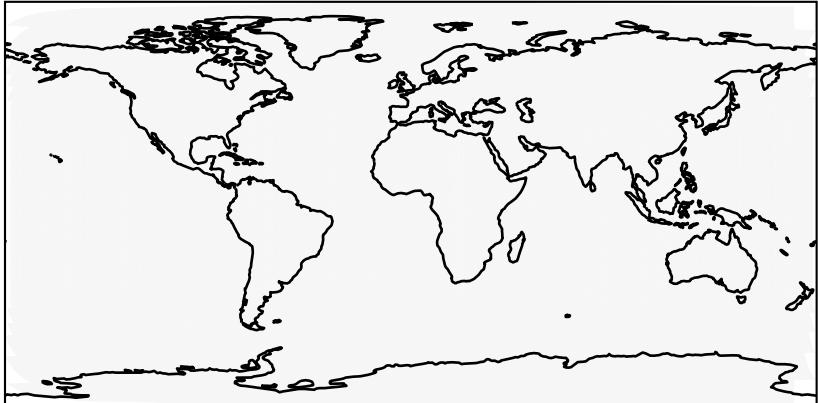
GCHP_13.0.0-rc.2 (Ref)
c48



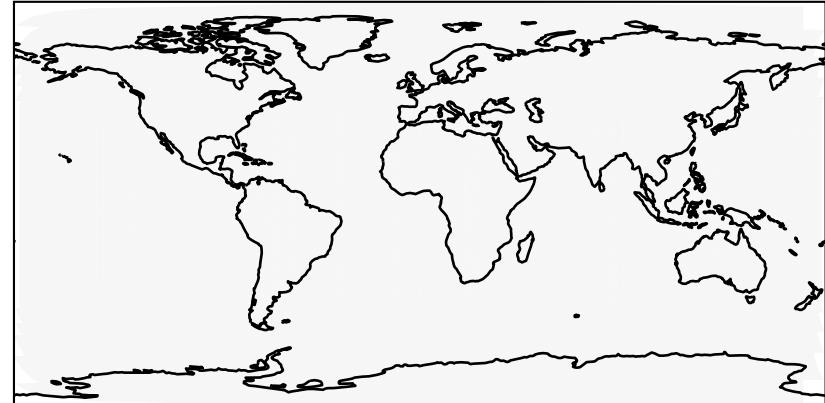
GCHP_13.1.0-beta.1 (Dev)
c48



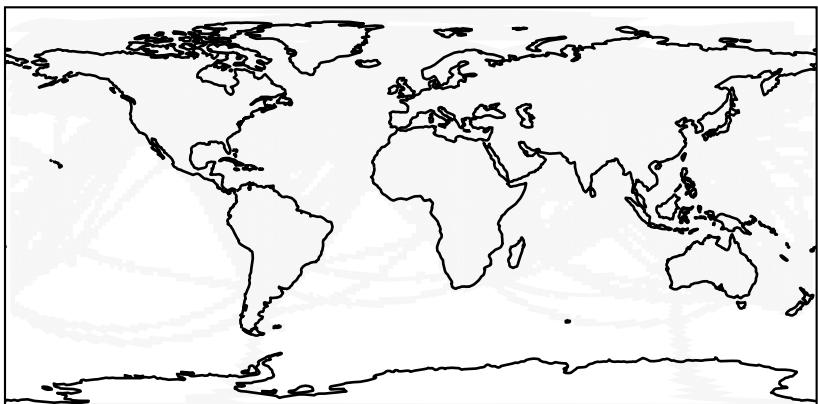
Difference
Dev - Ref, Dynamic Range



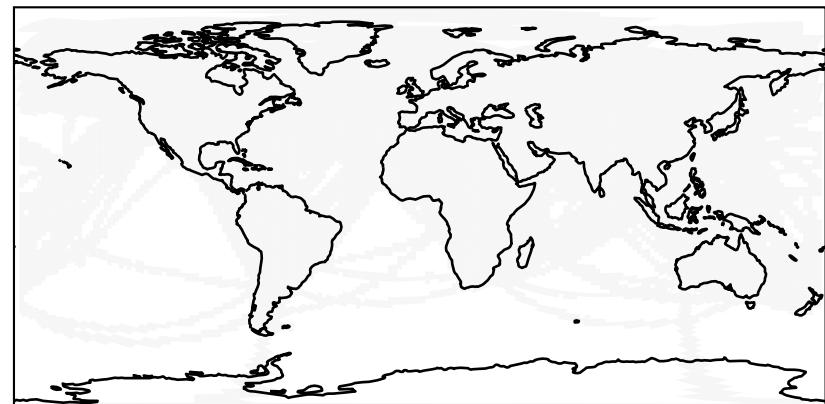
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

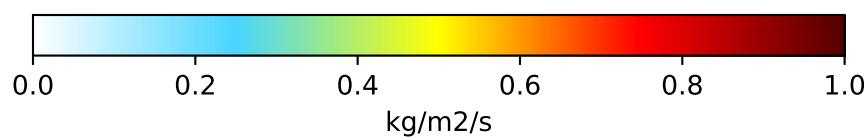


Ratio
Dev/Ref, Fixed Range

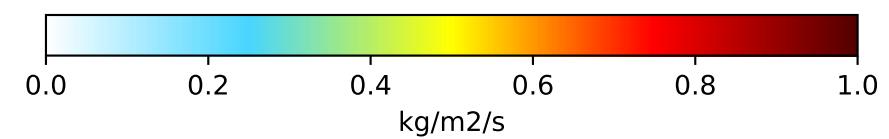


EmisC3H8_Anthro

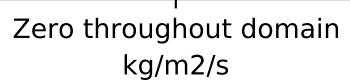
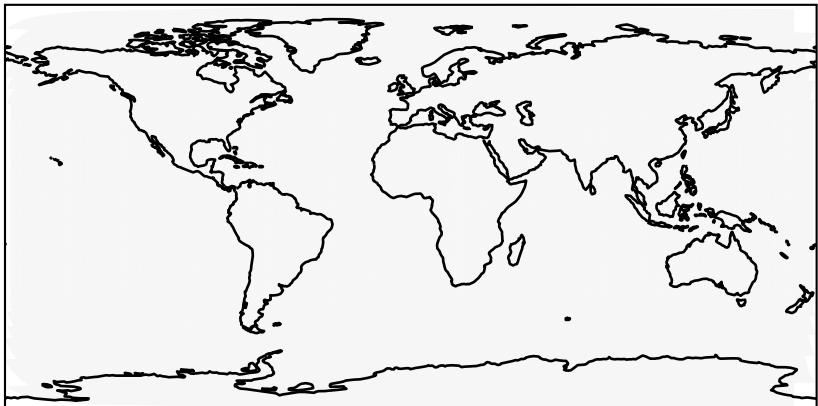
GCHP_13.0.0-rc.2 (Ref)
c48



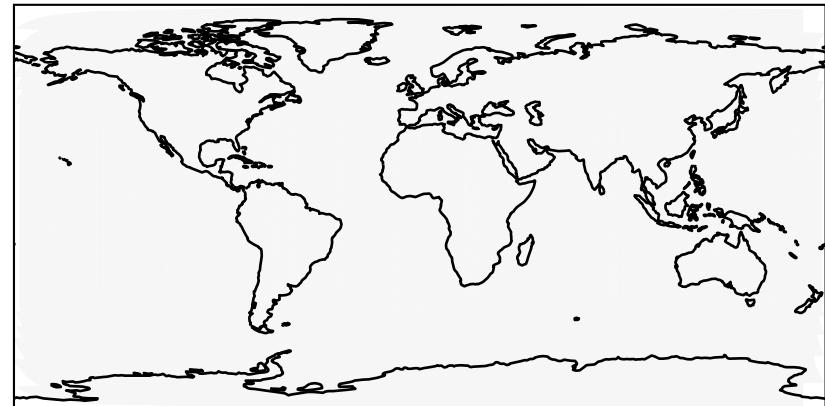
GCHP_13.1.0-beta.1 (Dev)
c48



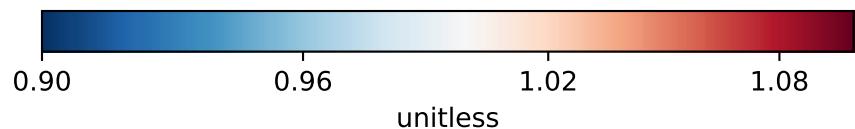
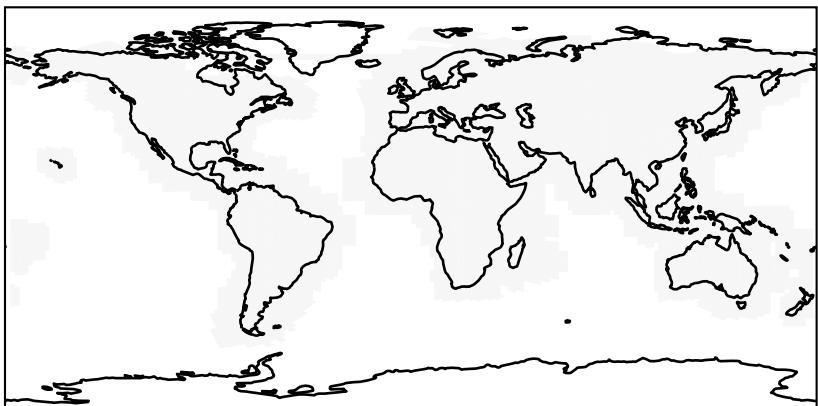
Difference
Dev - Ref, Dynamic Range



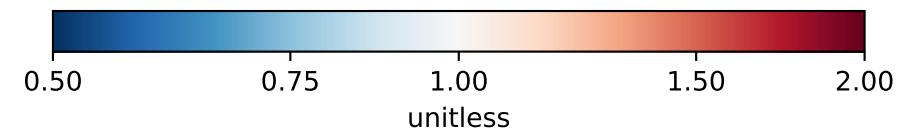
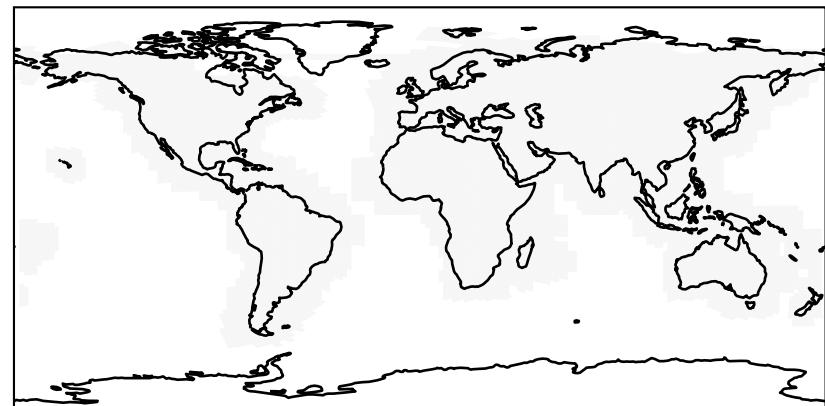
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

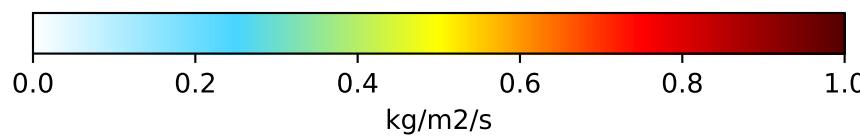
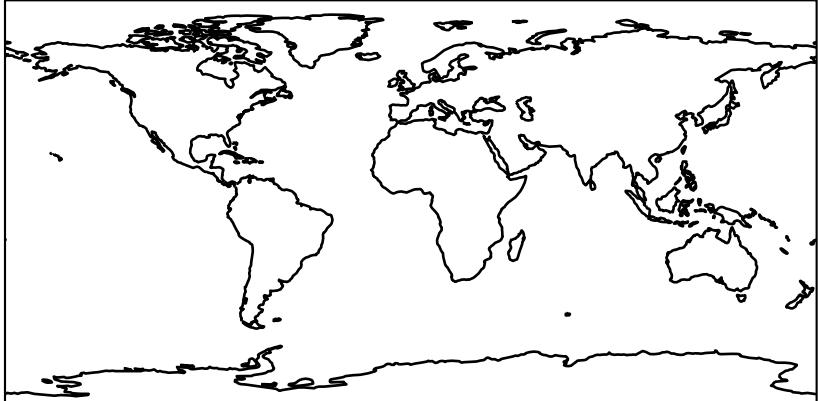


Ratio
Dev/Ref, Fixed Range

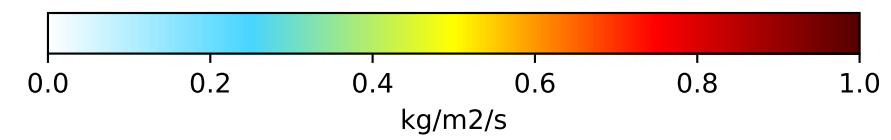


EmisC3H8_BioBurn

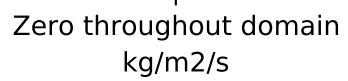
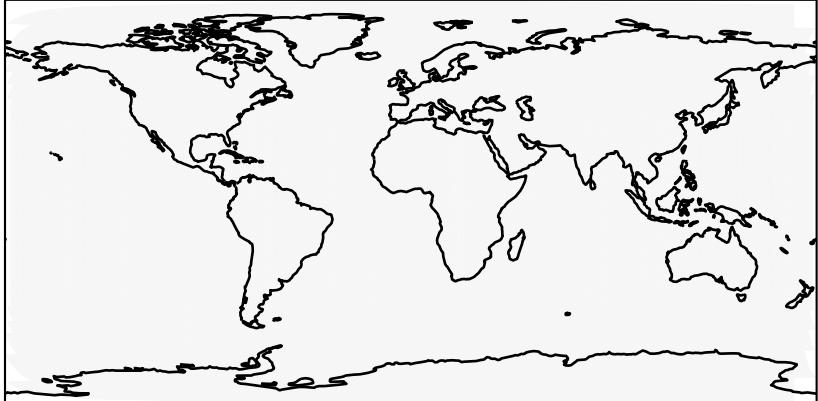
GCHP_13.0.0-rc.2 (Ref)
c48



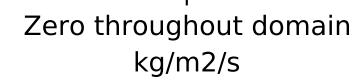
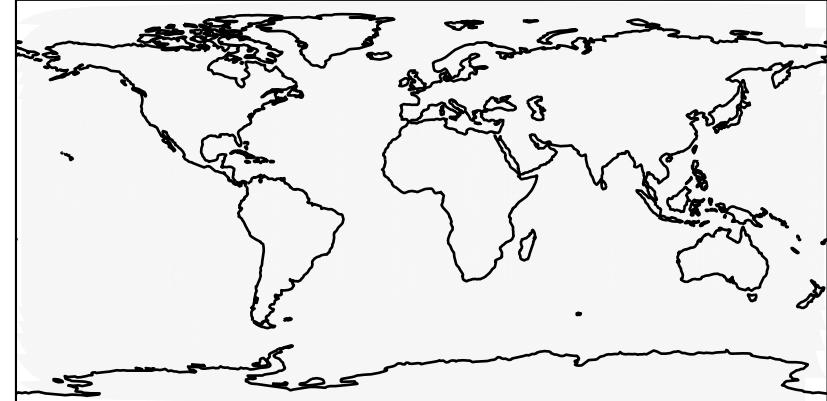
GCHP_13.1.0-beta.1 (Dev)
c48



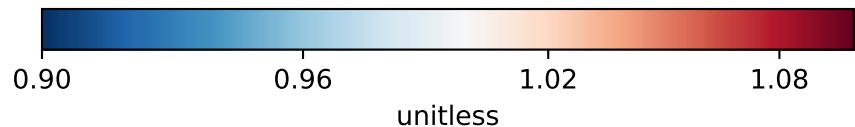
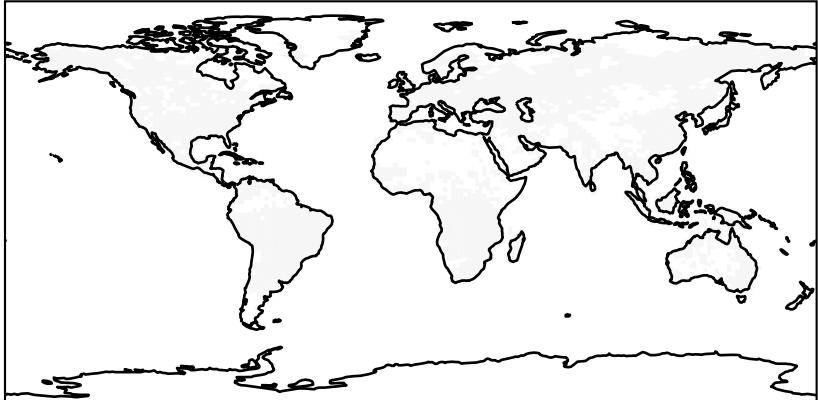
Difference
Dev - Ref, Dynamic Range



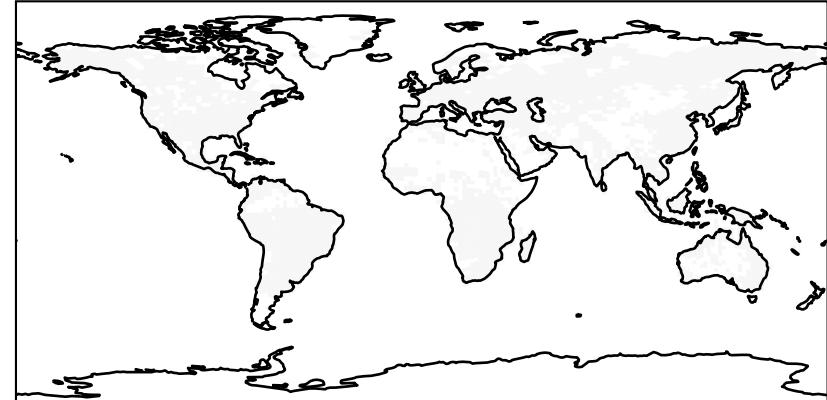
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

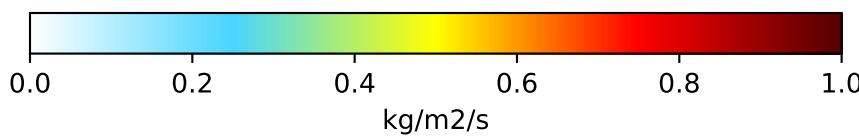
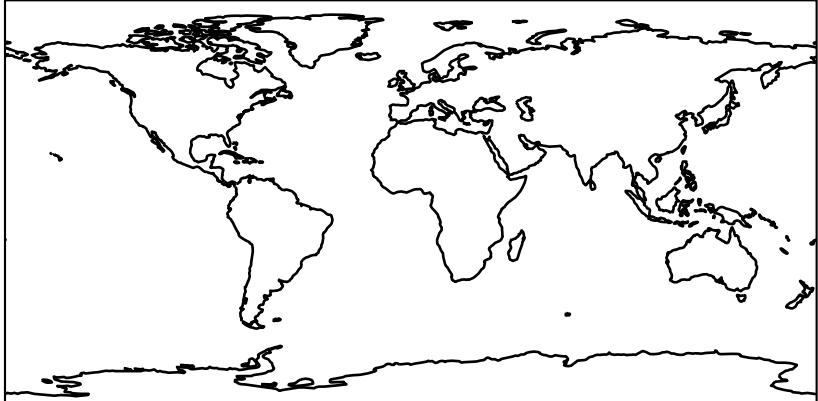


Ratio
Dev/Ref, Fixed Range

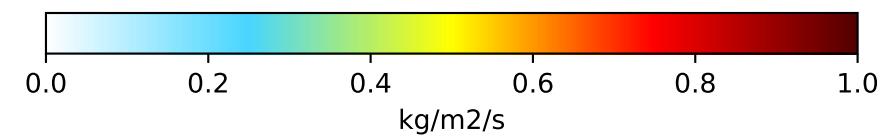


EmisC3H8_Ship

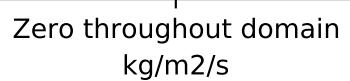
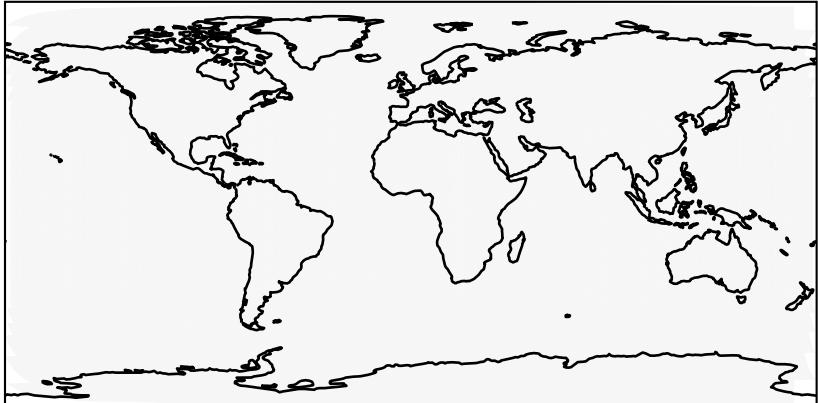
GCHP_13.0.0-rc.2 (Ref)
c48



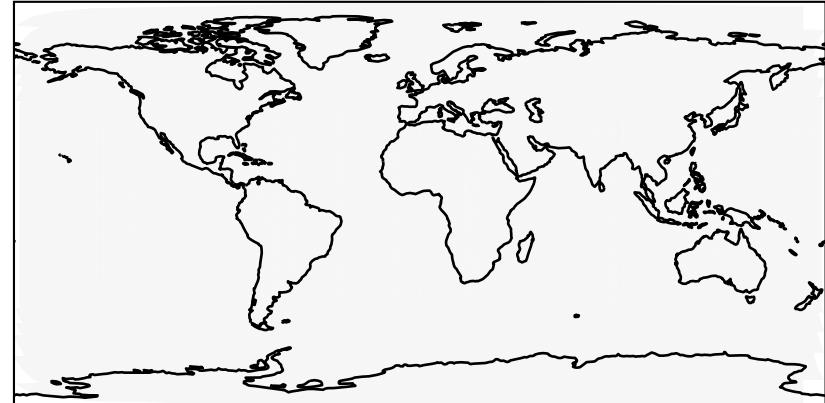
GCHP_13.1.0-beta.1 (Dev)
c48



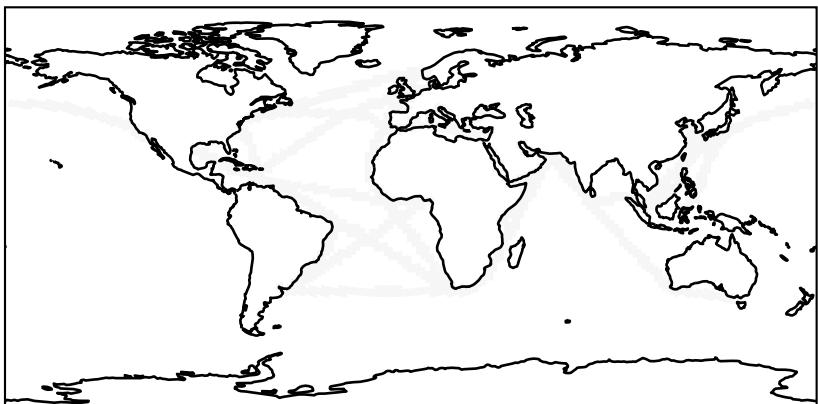
Difference
Dev - Ref, Dynamic Range



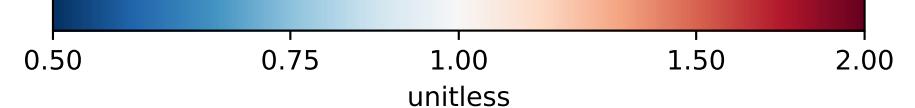
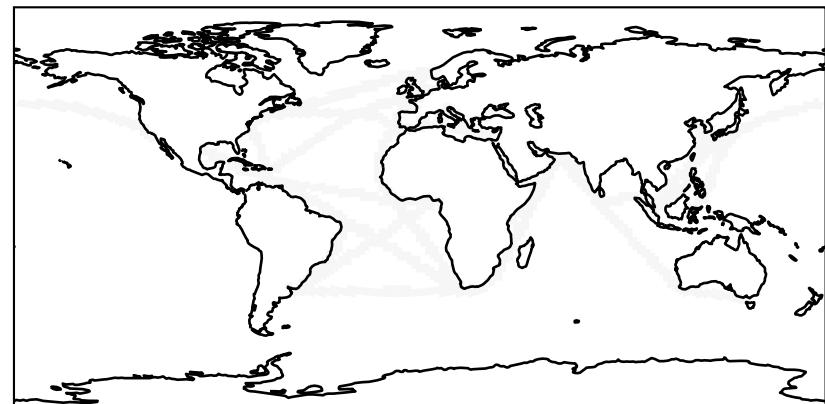
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

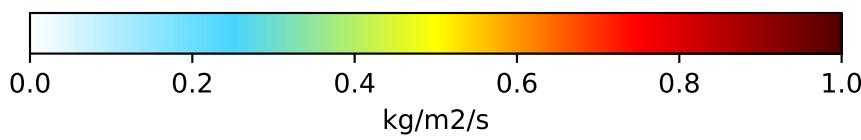
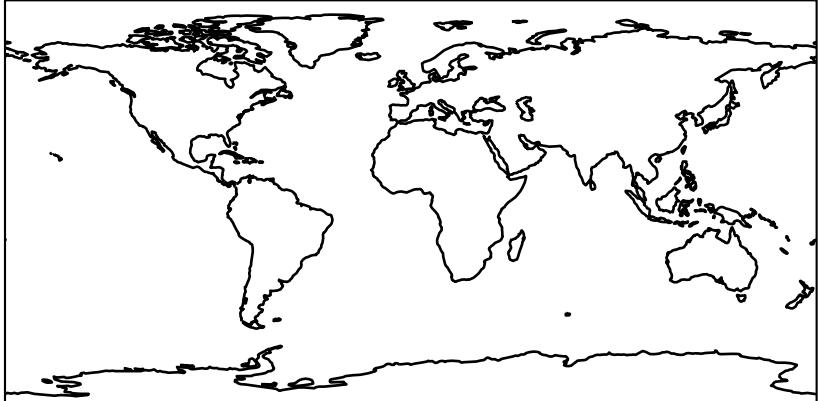


Ratio
Dev/Ref, Fixed Range

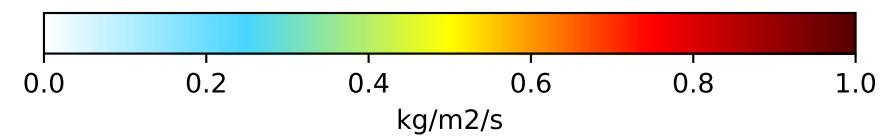
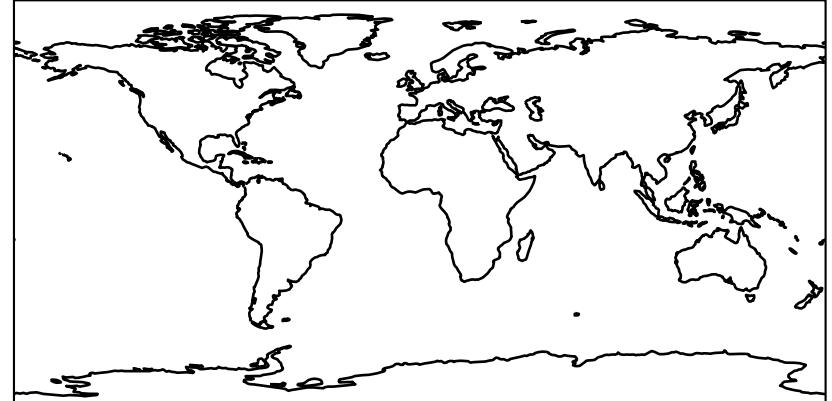


EmisC3H8_Total

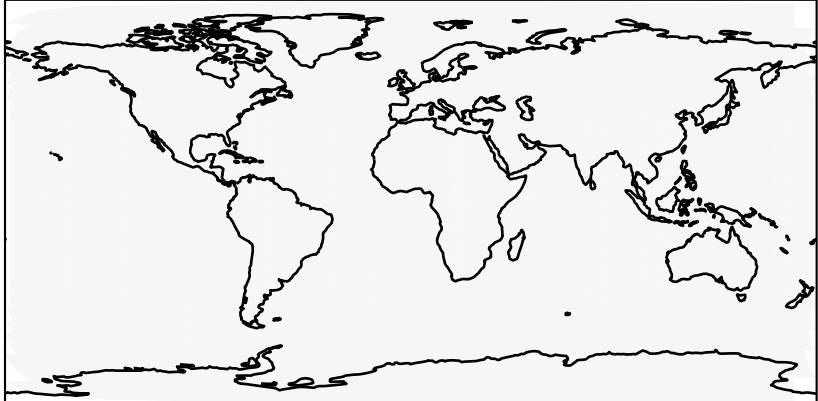
GCHP_13.0.0-rc.2 (Ref)
c48



GCHP_13.1.0-beta.1 (Dev)
c48

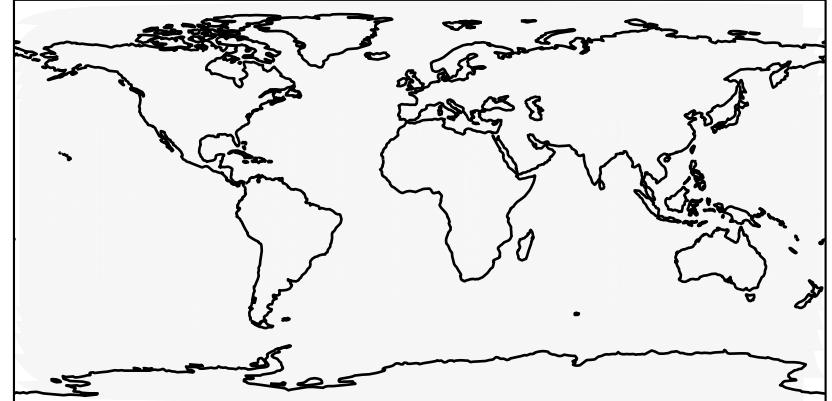


Difference
Dev - Ref, Dynamic Range



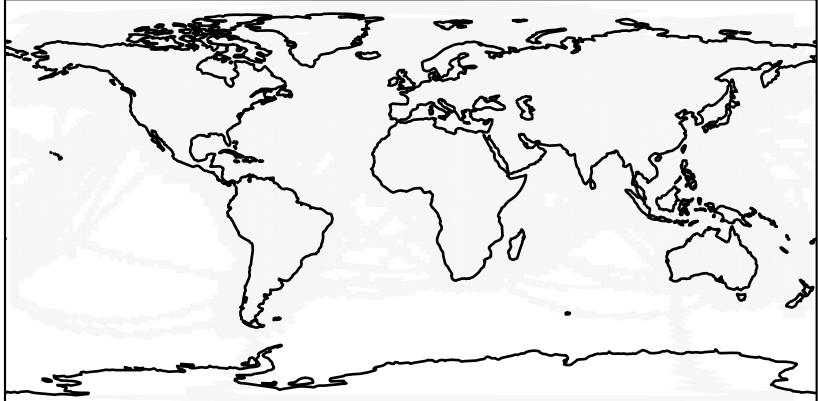
Zero throughout domain
kg/m²/s

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



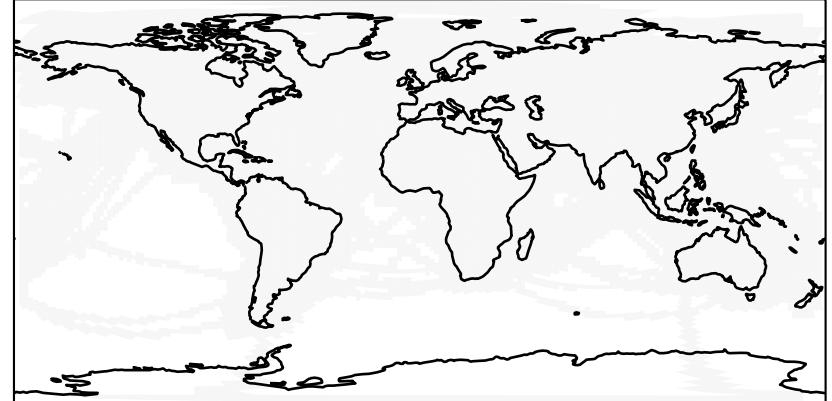
Zero throughout domain
kg/m²/s

Ratio
Dev/Ref, Dynamic Range



0.90 0.96 1.02 1.08
unitless

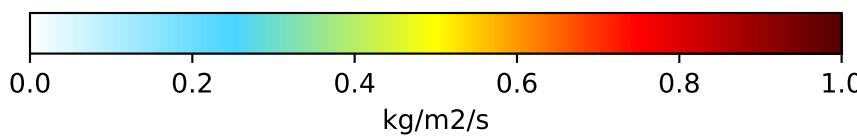
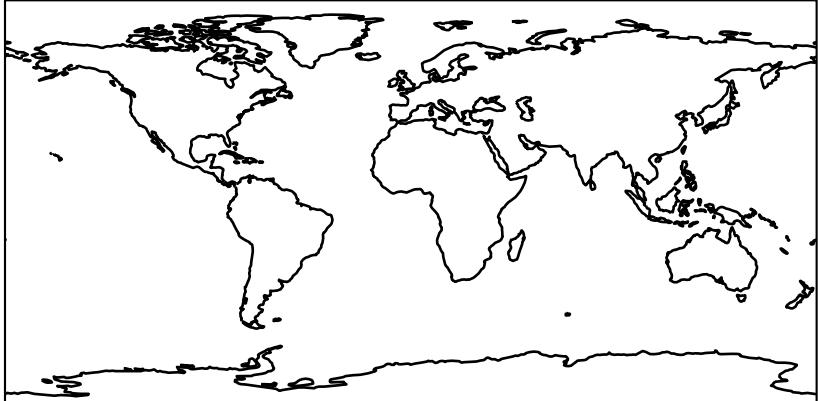
Ratio
Dev/Ref, Fixed Range



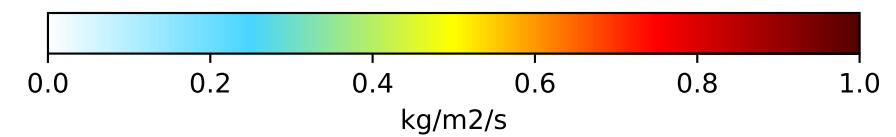
0.50 0.75 1.00 1.50 2.00
unitless

EmisPRPE_Aircraft

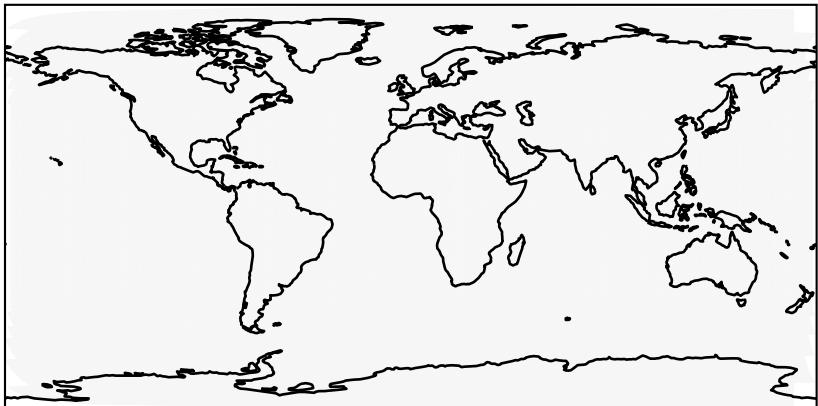
GCHP_13.0.0-rc.2 (Ref)
c48



GCHP_13.1.0-beta.1 (Dev)
c48

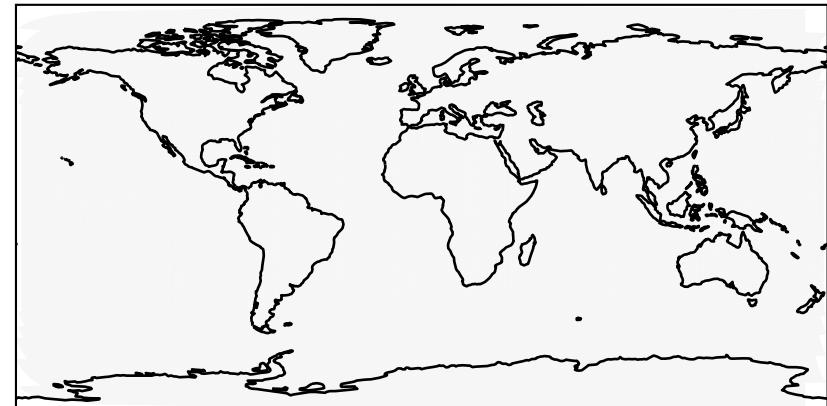


Difference
Dev - Ref, Dynamic Range



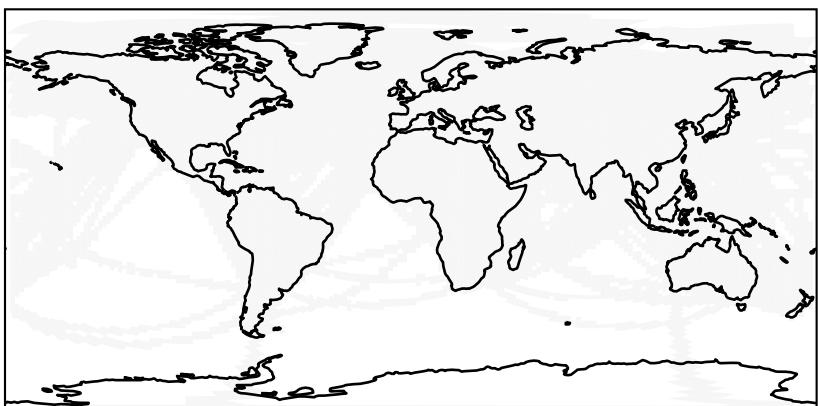
Zero throughout domain
kg/m²/s

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



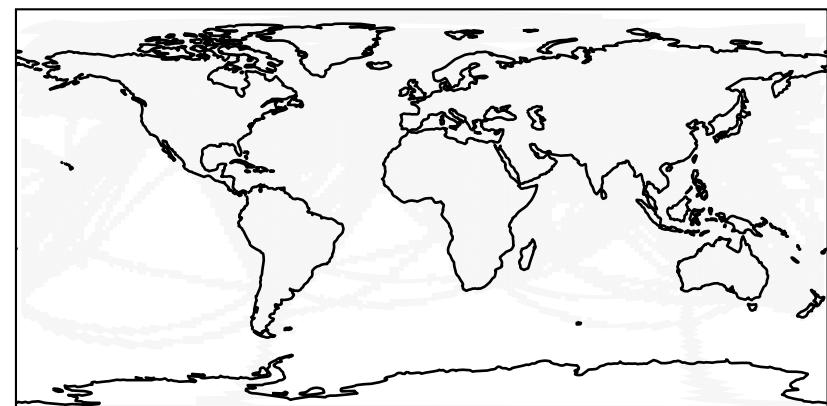
Zero throughout domain
kg/m²/s

Ratio
Dev/Ref, Dynamic Range



0.90 0.96 1.02 1.08
unitless

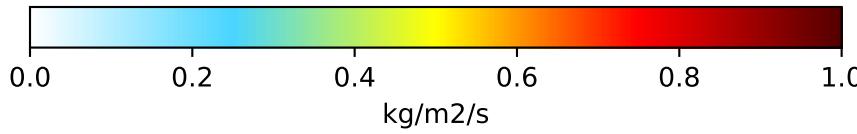
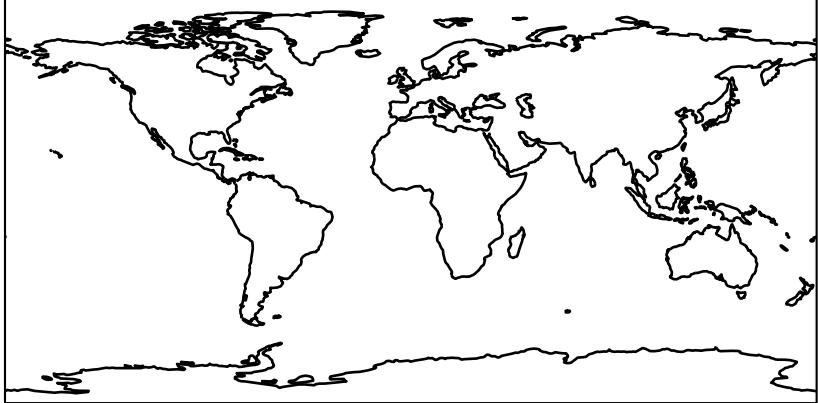
Ratio
Dev/Ref, Fixed Range



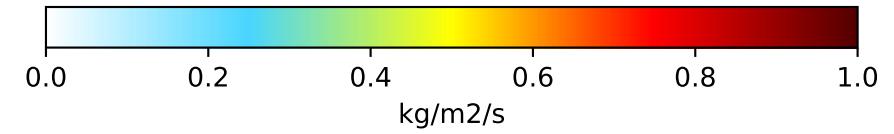
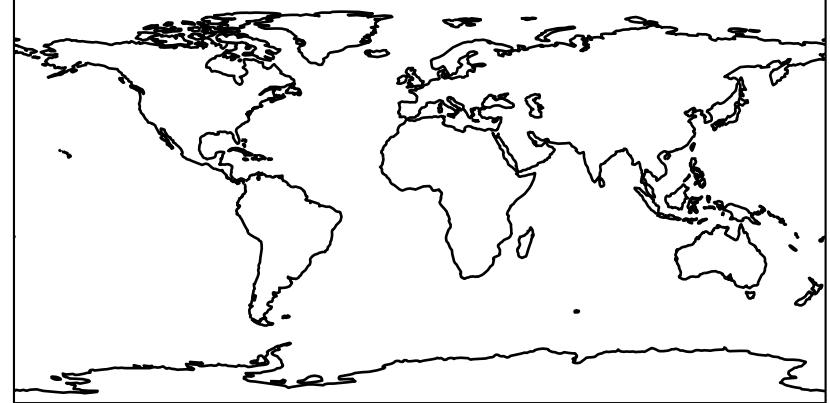
0.50 0.75 1.00 1.50 2.00
unitless

EmisPRPE_Anthro

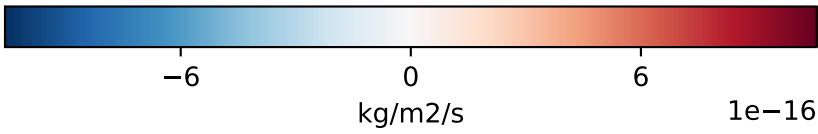
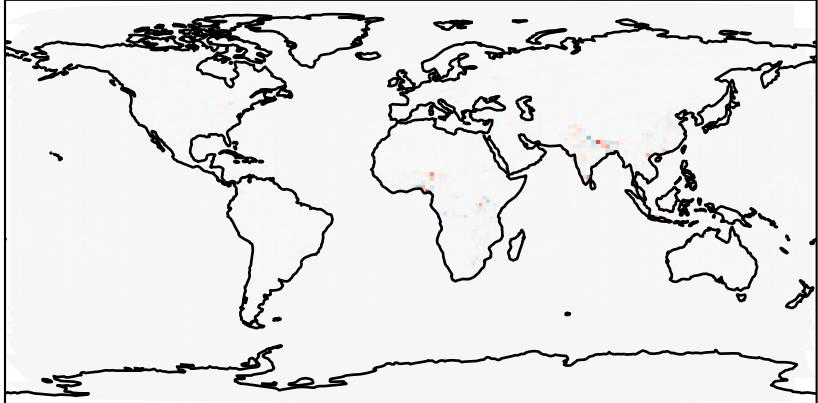
GCHP_13.0.0-rc.2 (Ref)
c48



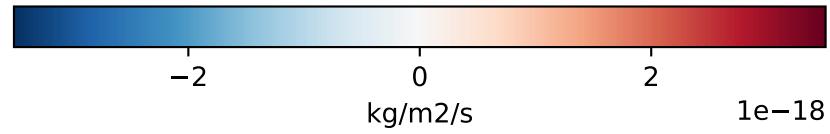
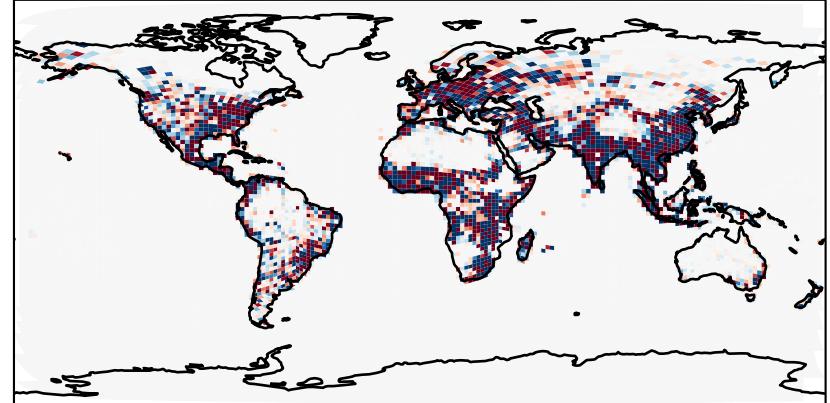
GCHP_13.1.0-beta.1 (Dev)
c48



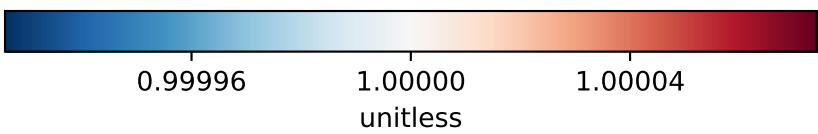
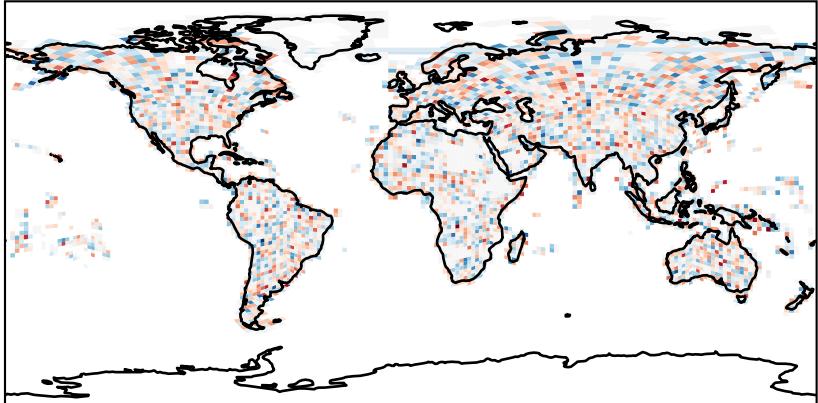
Difference
Dev - Ref, Dynamic Range



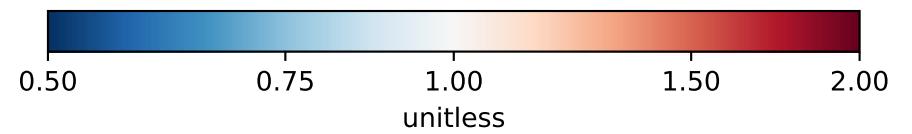
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

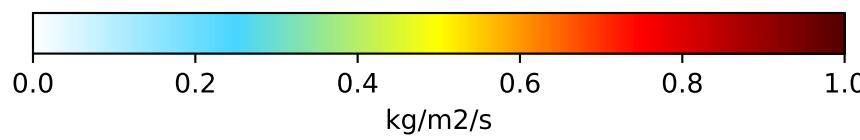
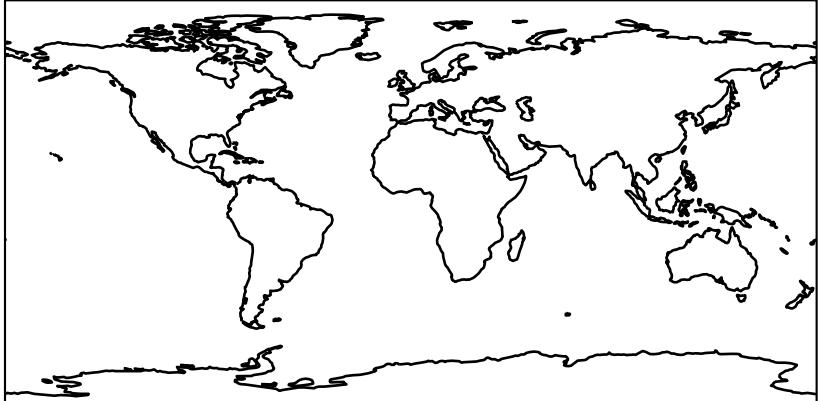


Ratio
Dev/Ref, Fixed Range

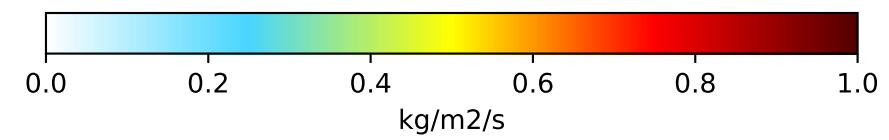
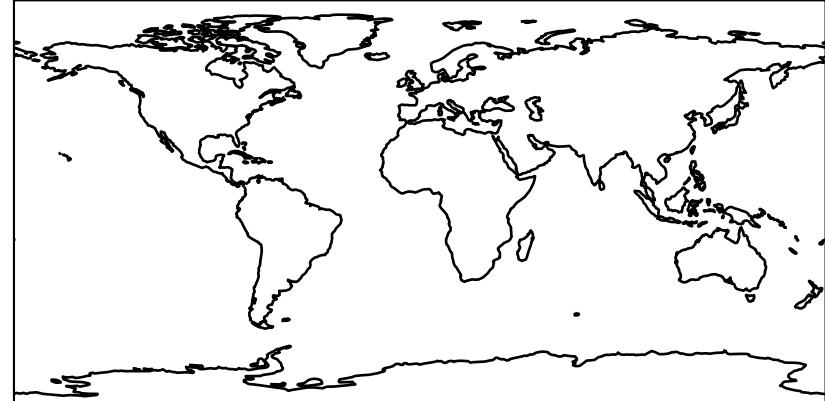


EmisPRPE_BioBurn

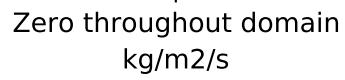
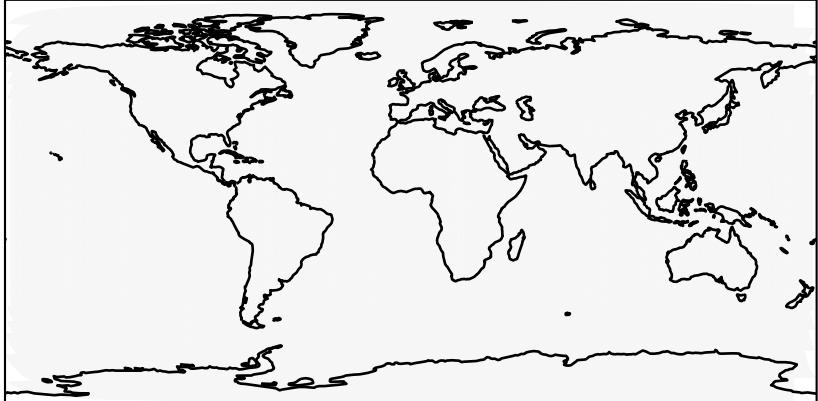
GCHP_13.0.0-rc.2 (Ref)
c48



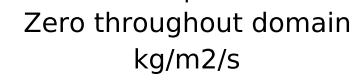
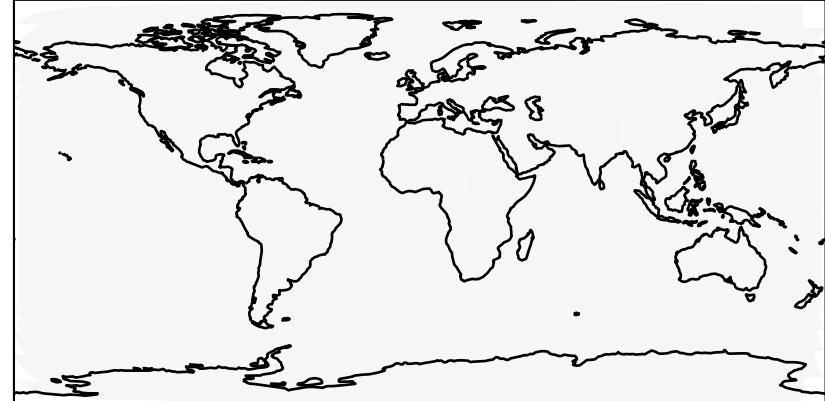
GCHP_13.1.0-beta.1 (Dev)
c48



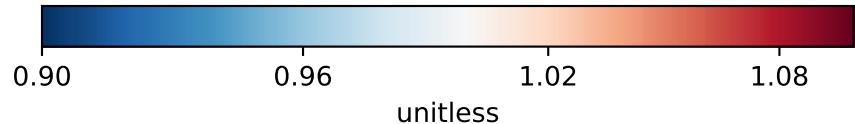
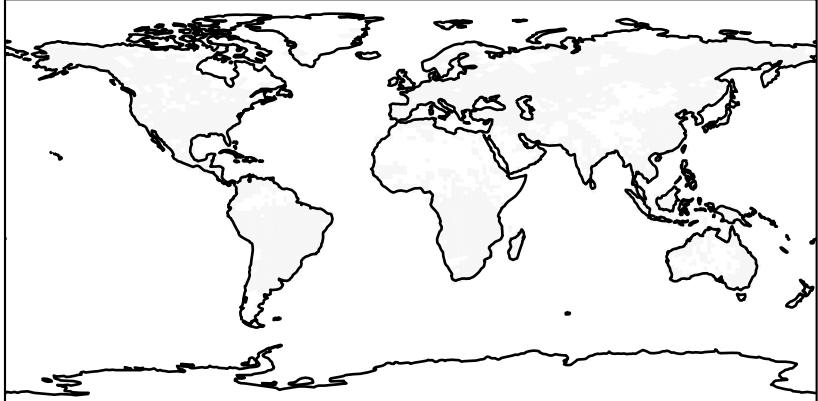
Difference
Dev - Ref, Dynamic Range



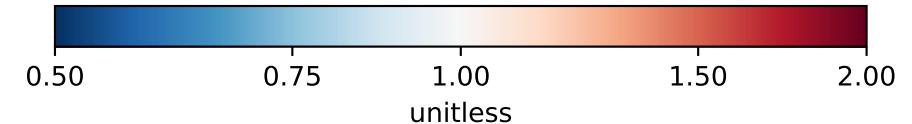
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

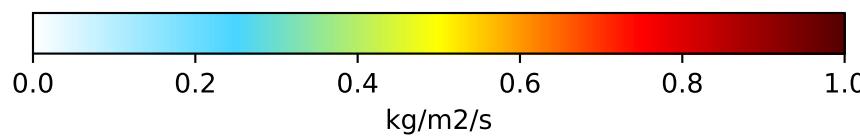
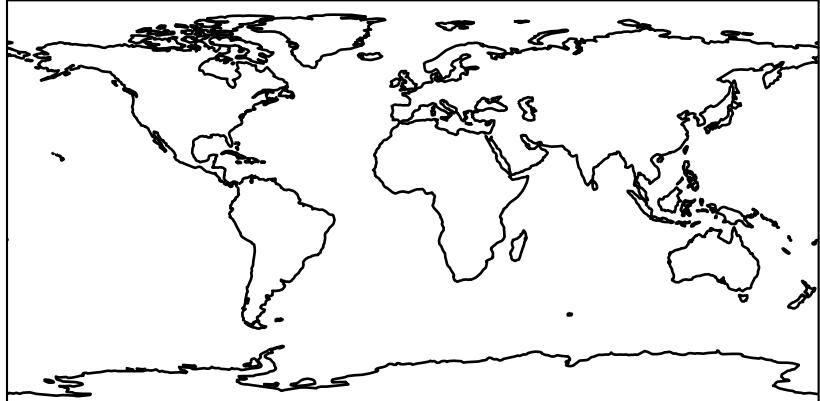


Ratio
Dev/Ref, Fixed Range

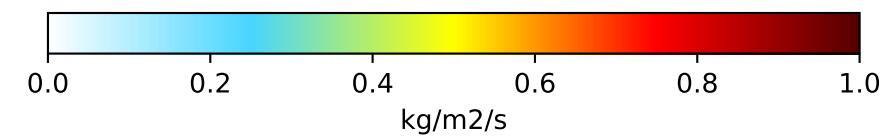


EmisPRPE_Biogenic

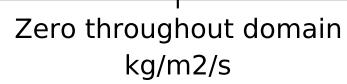
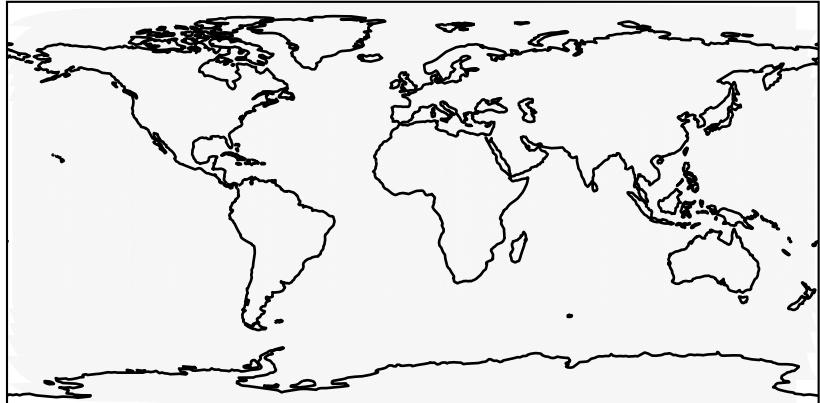
GCHP_13.0.0-rc.2 (Ref)
c48



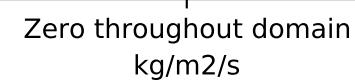
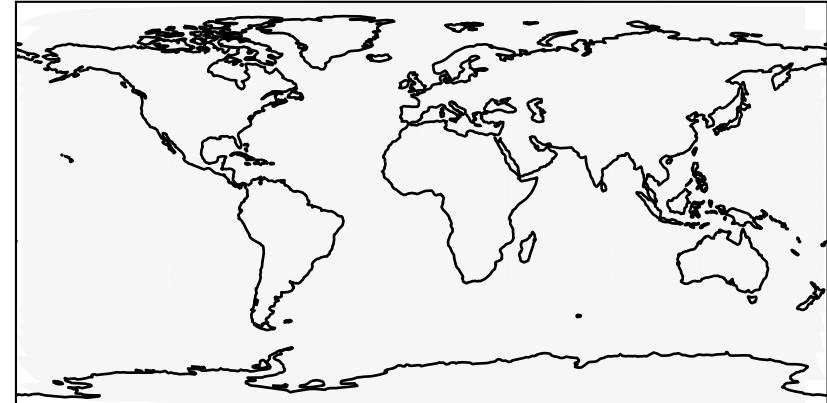
GCHP_13.1.0-beta.1 (Dev)
c48



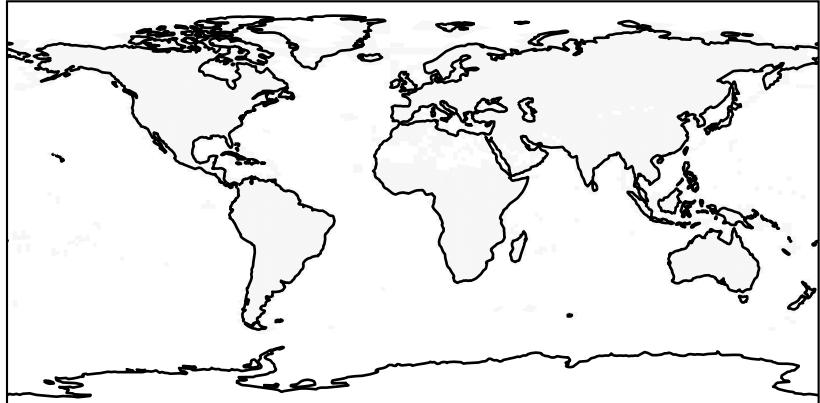
Difference
Dev - Ref, Dynamic Range



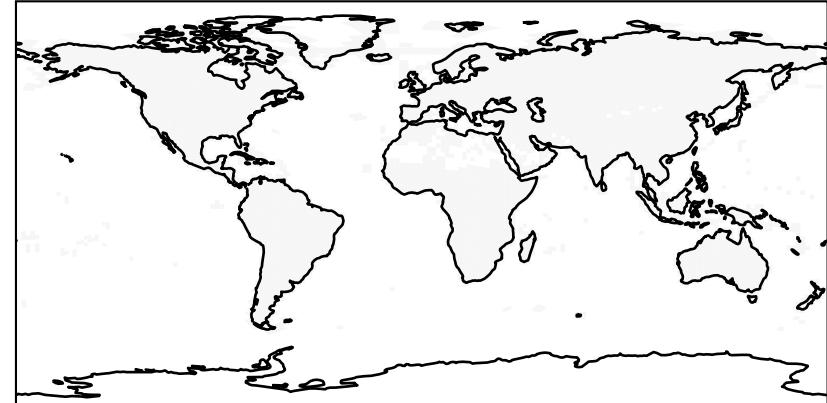
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

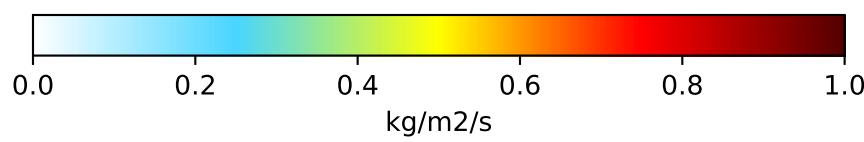
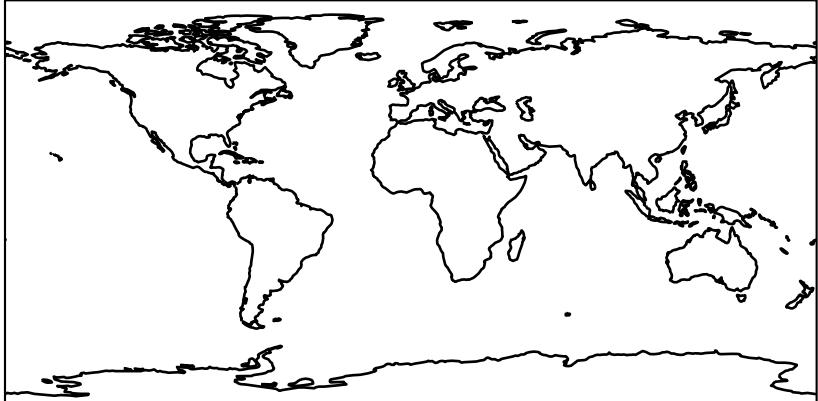


Ratio
Dev/Ref, Fixed Range

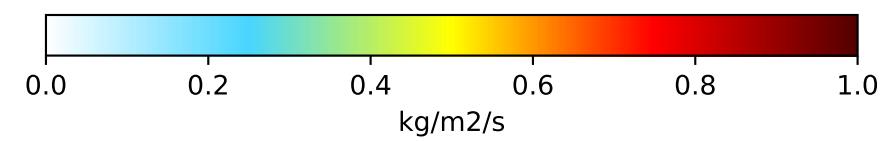


EmisPRPE_Ship

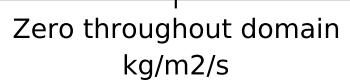
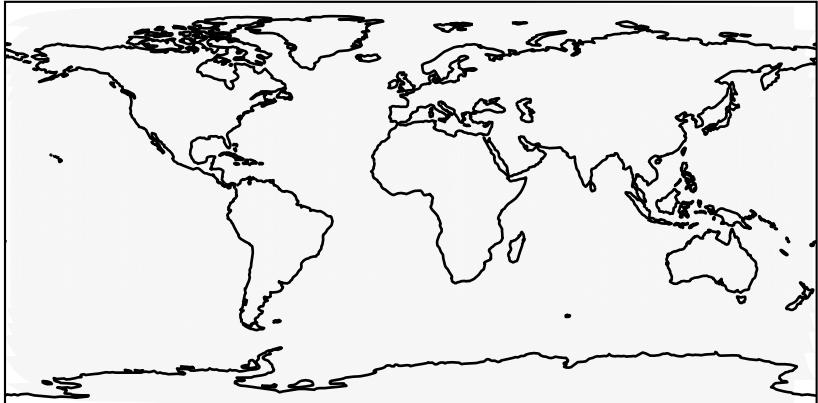
GCHP_13.0.0-rc.2 (Ref)
c48



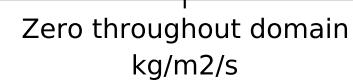
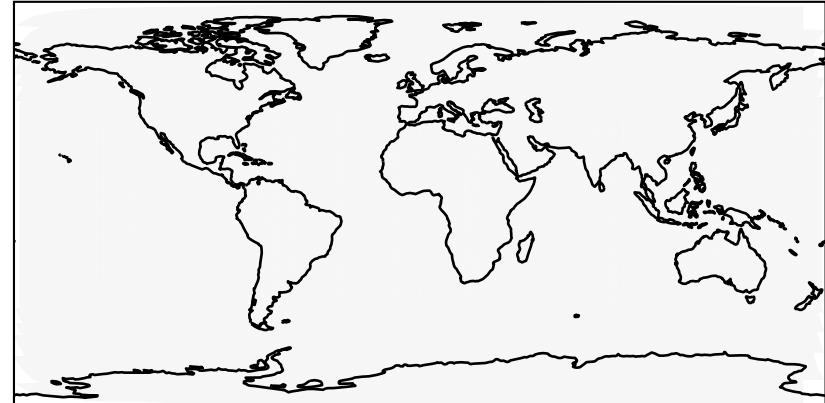
GCHP_13.1.0-beta.1 (Dev)
c48



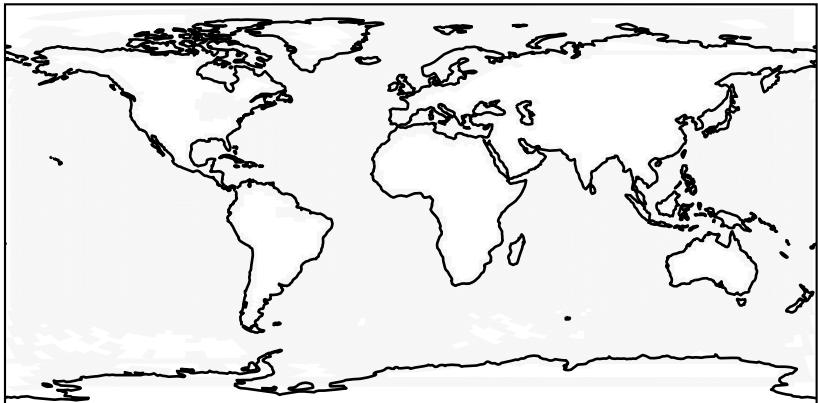
Difference
Dev - Ref, Dynamic Range



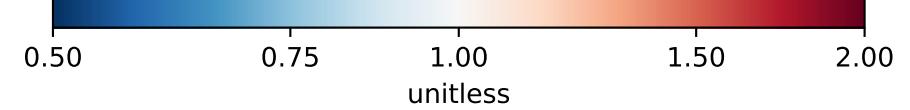
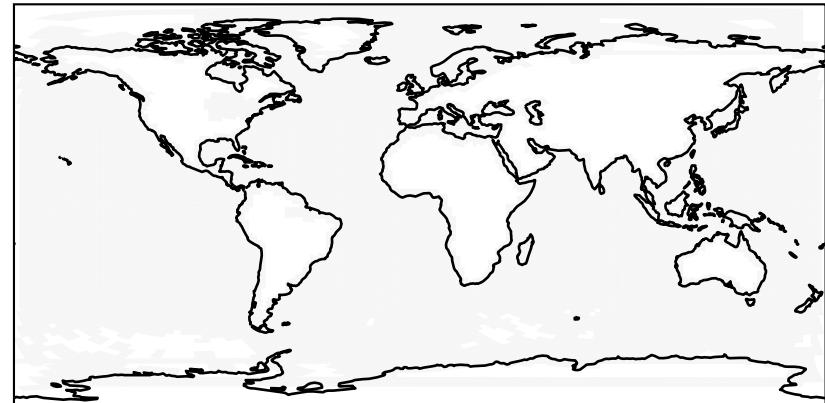
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range



Ratio
Dev/Ref, Fixed Range

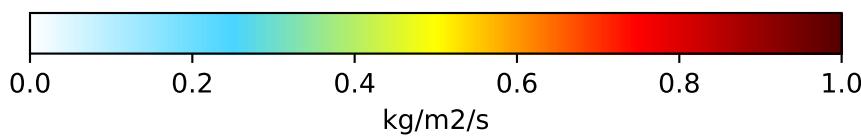
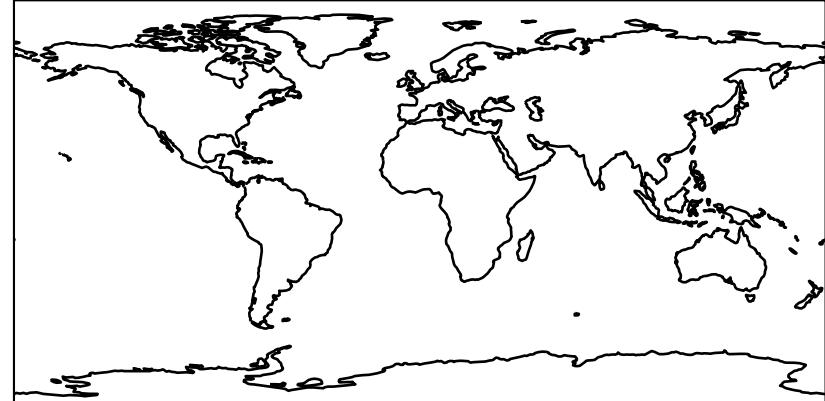


EmisPRPE_Total

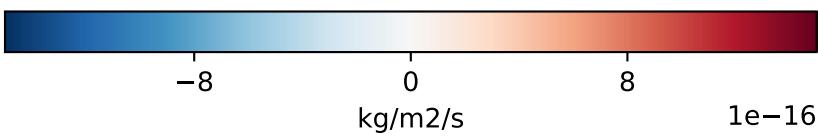
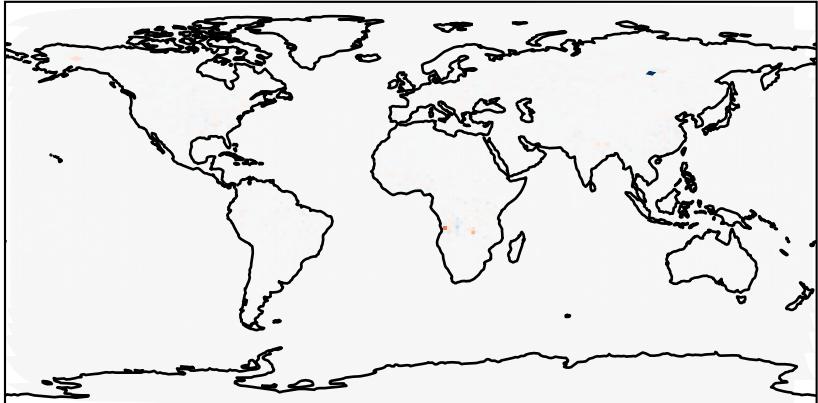
GCHP_13.0.0-rc.2 (Ref)
c48



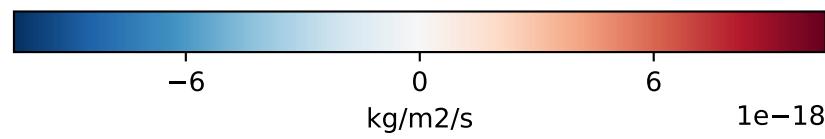
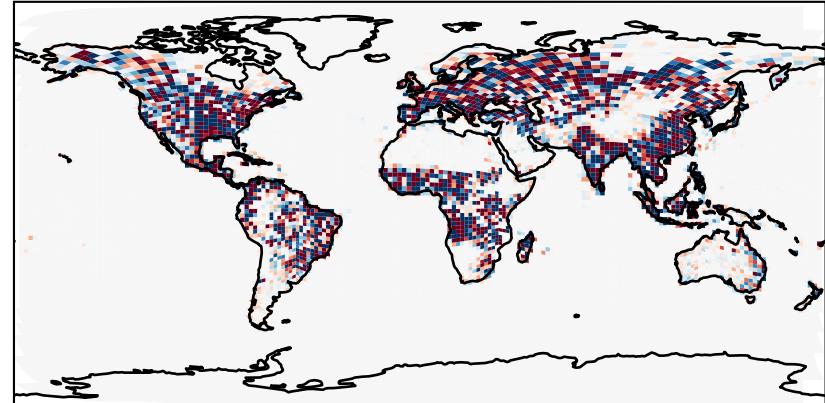
GCHP_13.1.0-beta.1 (Dev)
c48



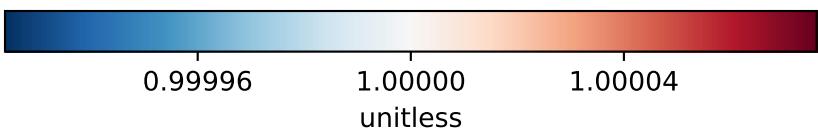
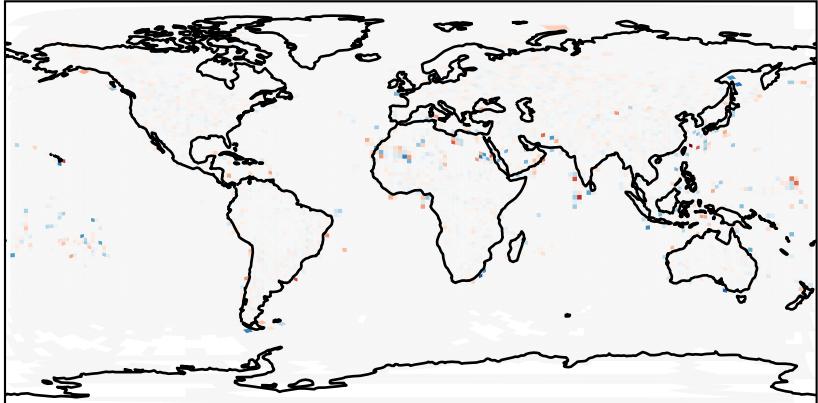
Difference
Dev - Ref, Dynamic Range



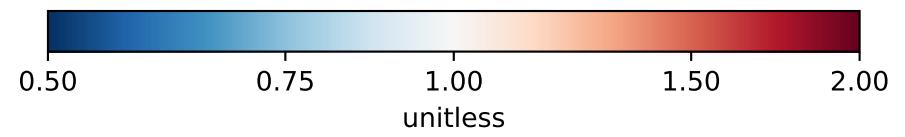
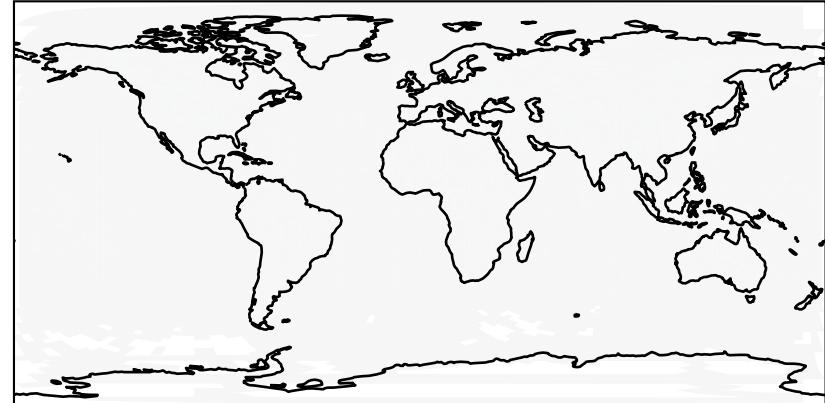
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

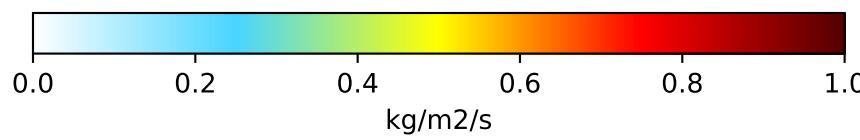
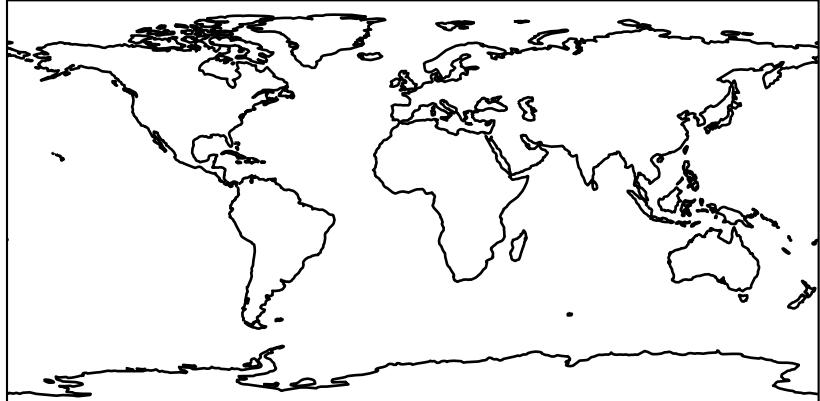


Ratio
Dev/Ref, Fixed Range

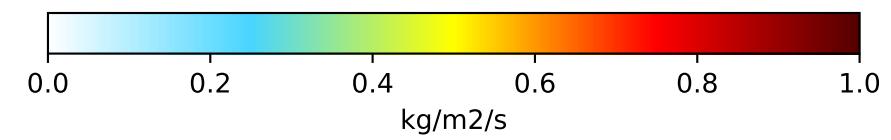


EmisTOLU_Anthro

GCHP_13.0.0-rc.2 (Ref)
c48



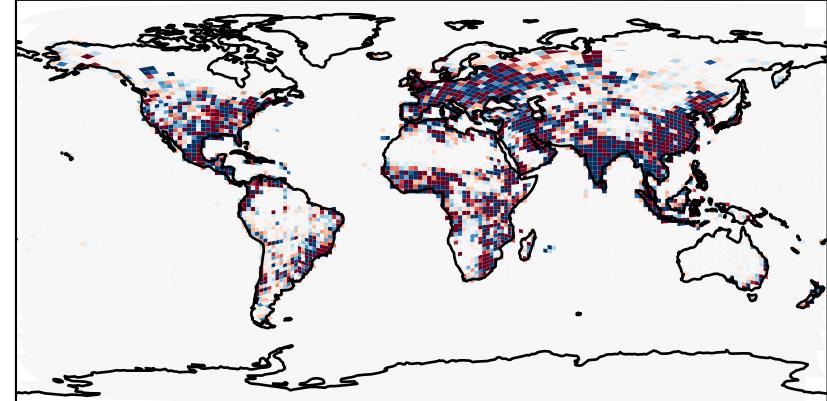
GCHP_13.1.0-beta.1 (Dev)
c48



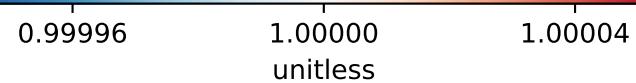
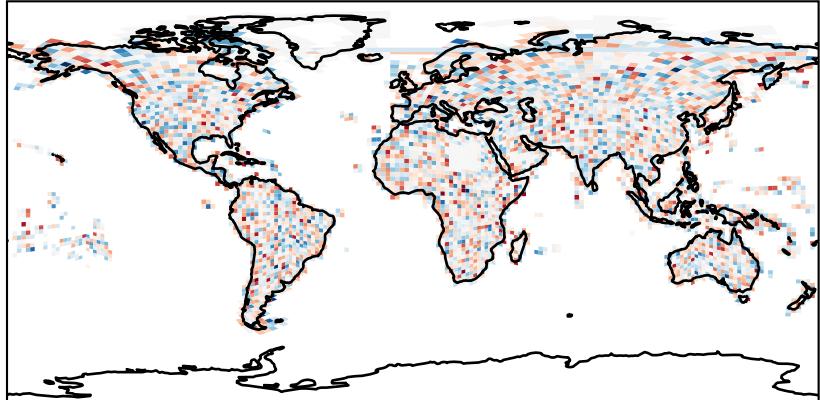
Difference
Dev - Ref, Dynamic Range



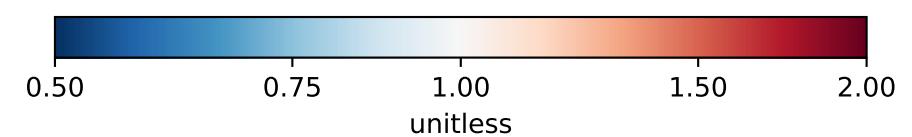
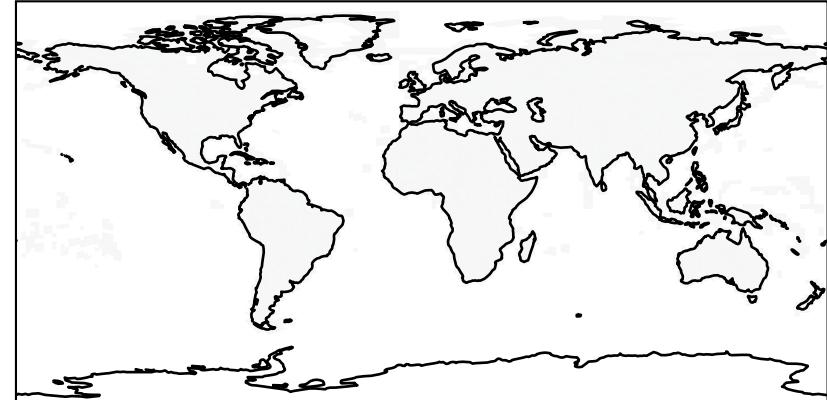
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

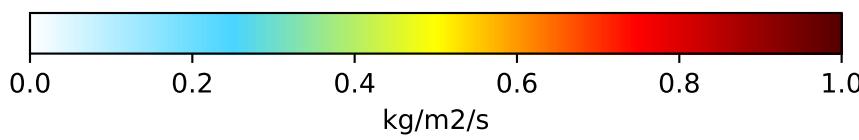
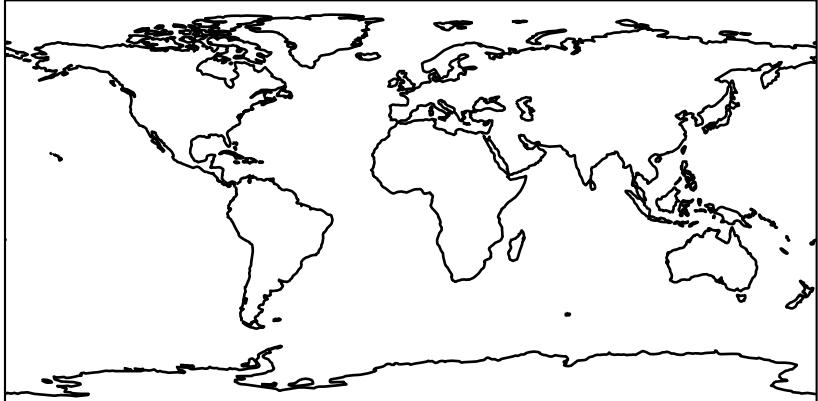


Ratio
Dev/Ref, Fixed Range

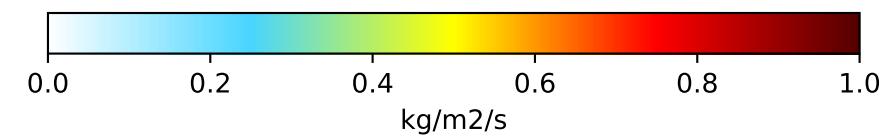


EmisTOLU_BioBurn

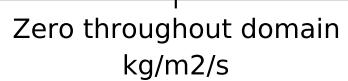
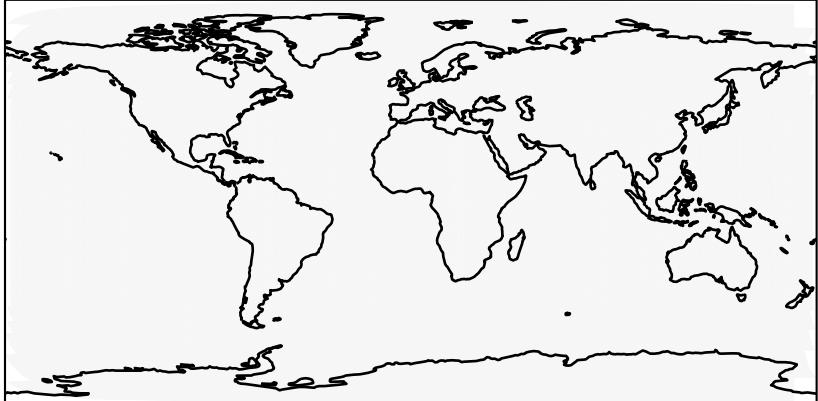
GCHP_13.0.0-rc.2 (Ref)
c48



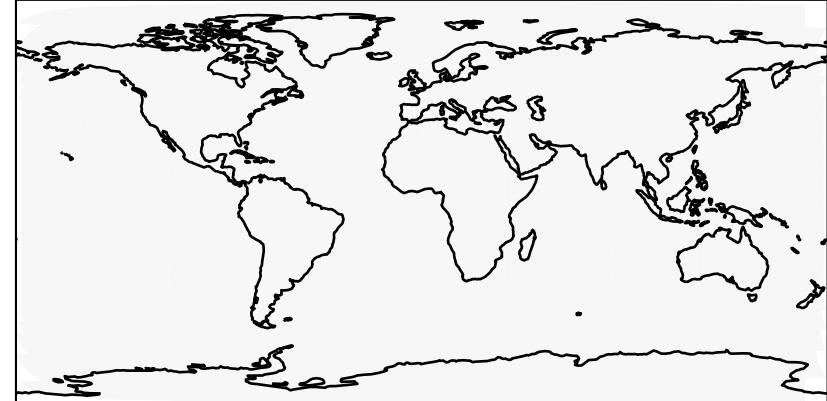
GCHP_13.1.0-beta.1 (Dev)
c48



Difference
Dev - Ref, Dynamic Range



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



Ratio
Dev/Ref, Dynamic Range

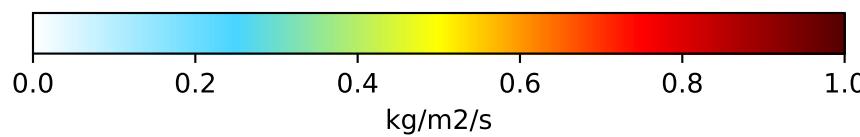
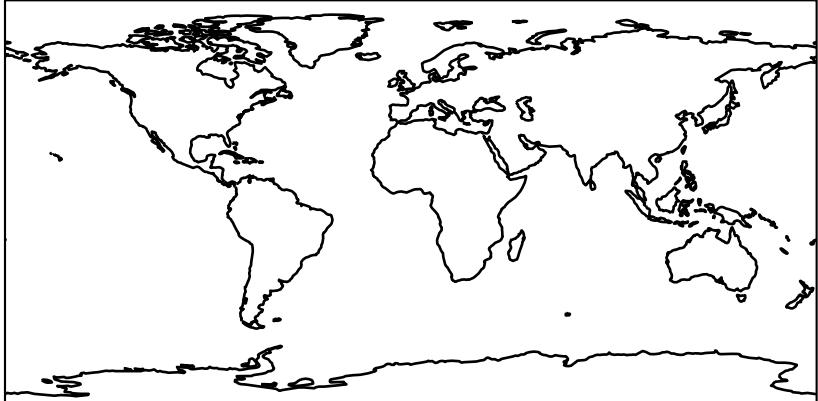


Ratio
Dev/Ref, Fixed Range

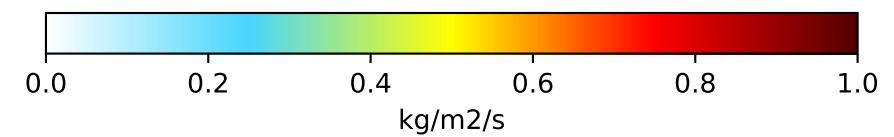


EmisTOLU_Ship

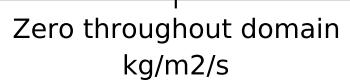
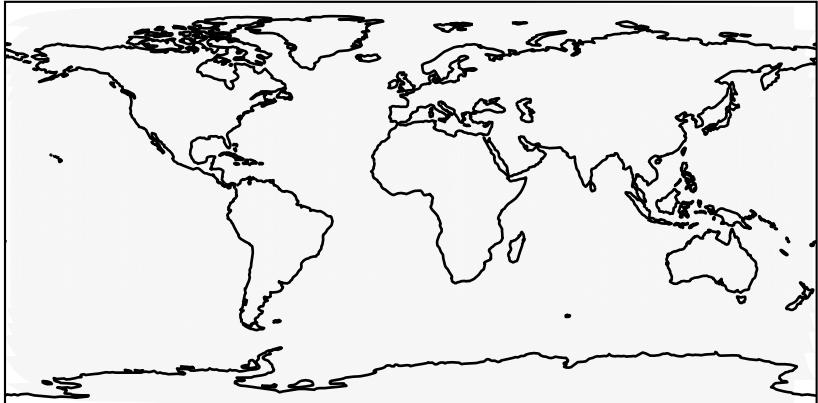
GCHP_13.0.0-rc.2 (Ref)
c48



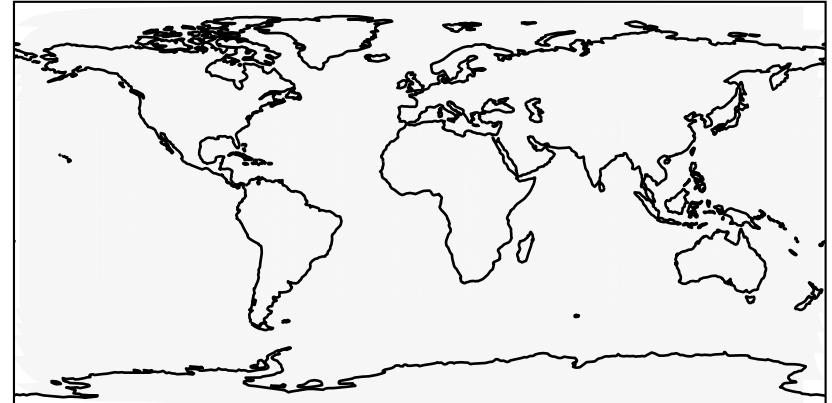
GCHP_13.1.0-beta.1 (Dev)
c48



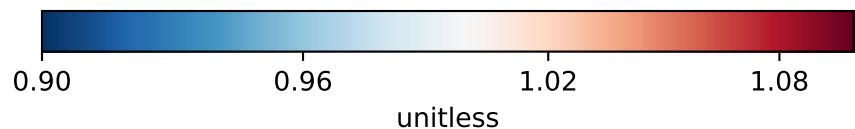
Difference
Dev - Ref, Dynamic Range



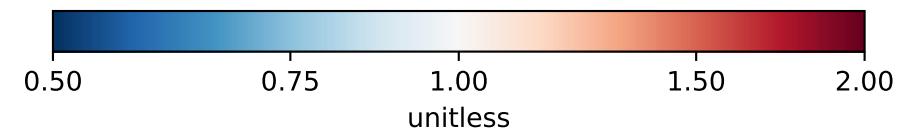
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

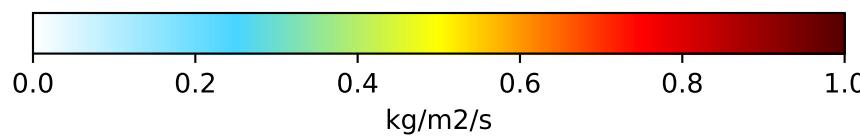
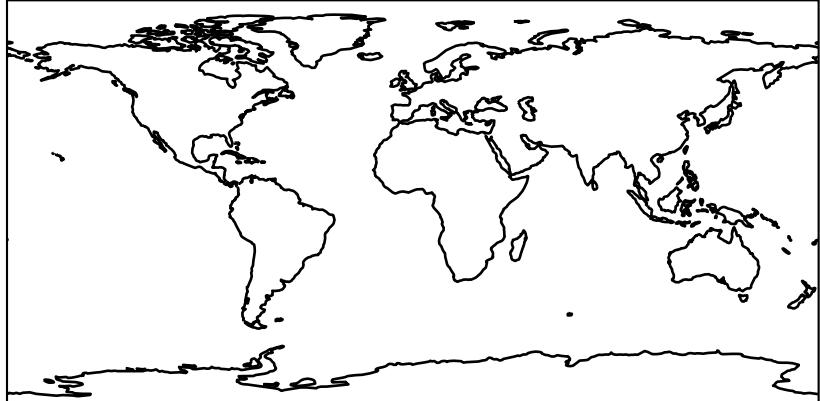


Ratio
Dev/Ref, Fixed Range

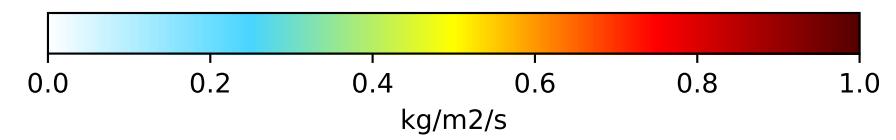


EmisTOLU_Total

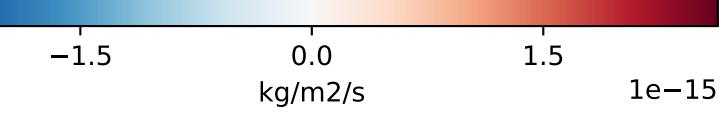
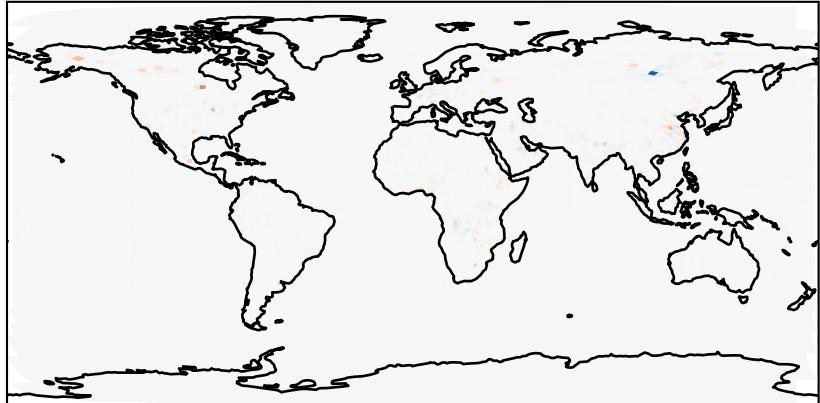
GCHP_13.0.0-rc.2 (Ref)
c48



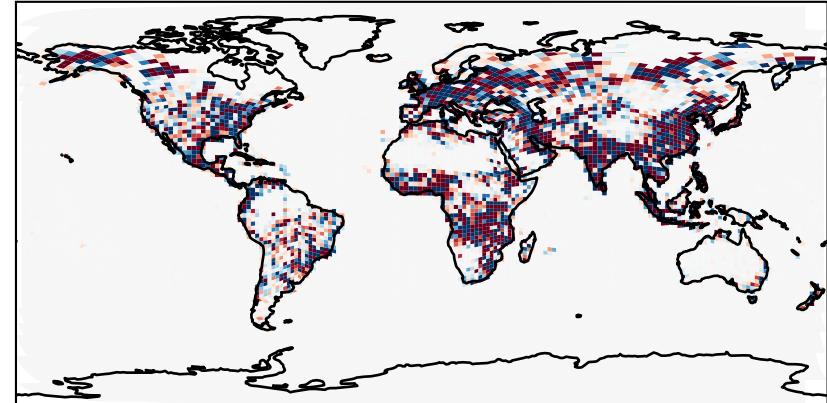
GCHP_13.1.0-beta.1 (Dev)
c48



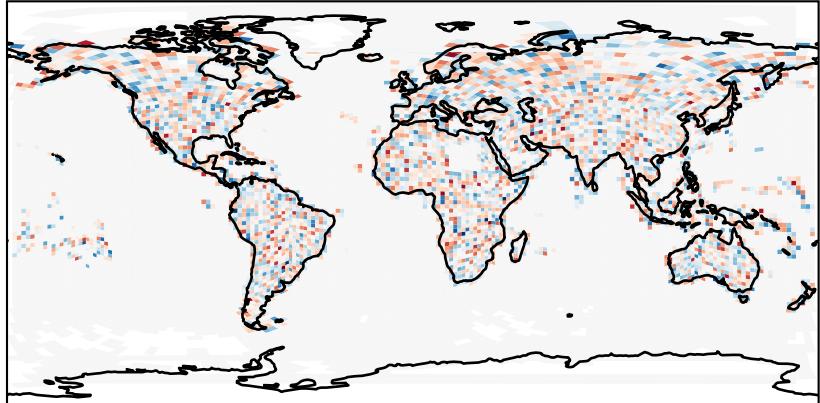
Difference
Dev - Ref, Dynamic Range



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



Ratio
Dev/Ref, Dynamic Range

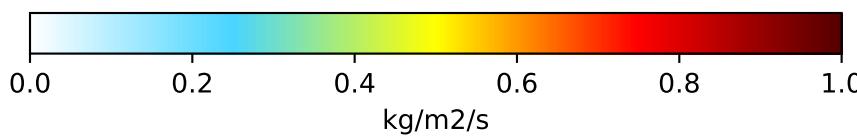
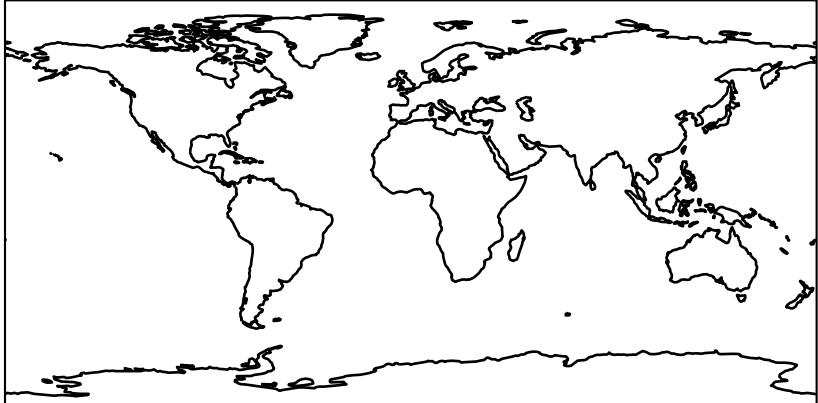


Ratio
Dev/Ref, Fixed Range

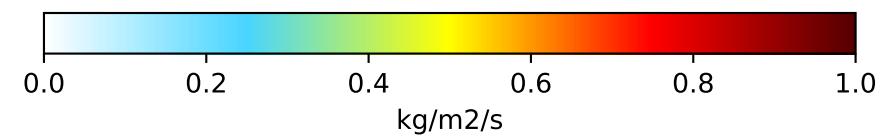
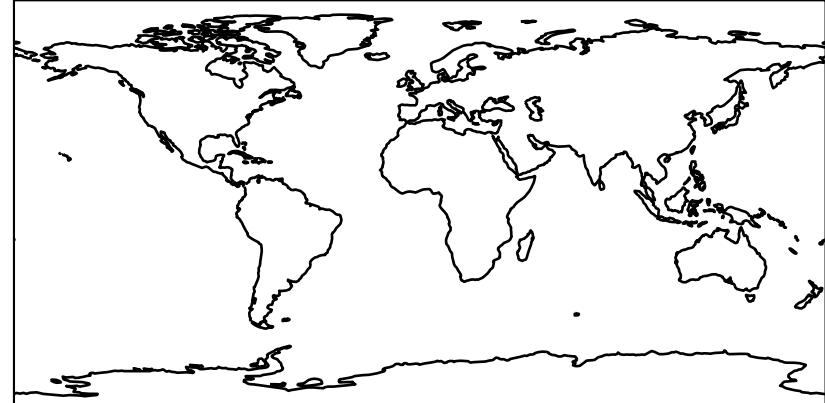


EmisXYLE_Anthro

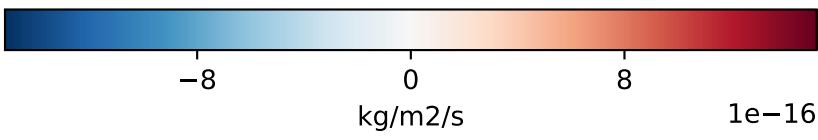
GCHP_13.0.0-rc.2 (Ref)
c48



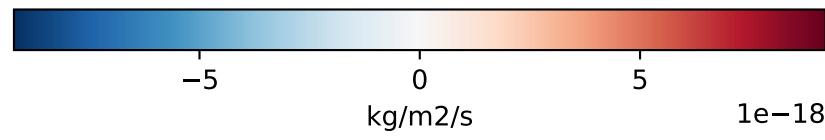
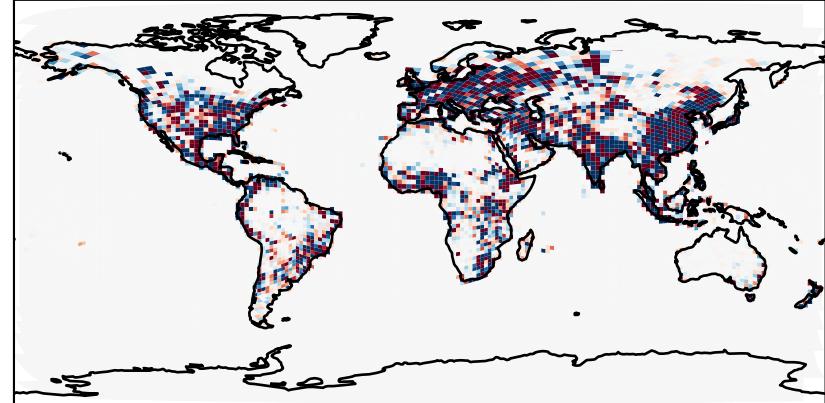
GCHP_13.1.0-beta.1 (Dev)
c48



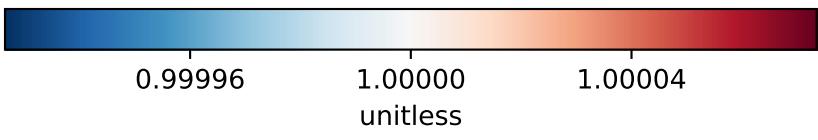
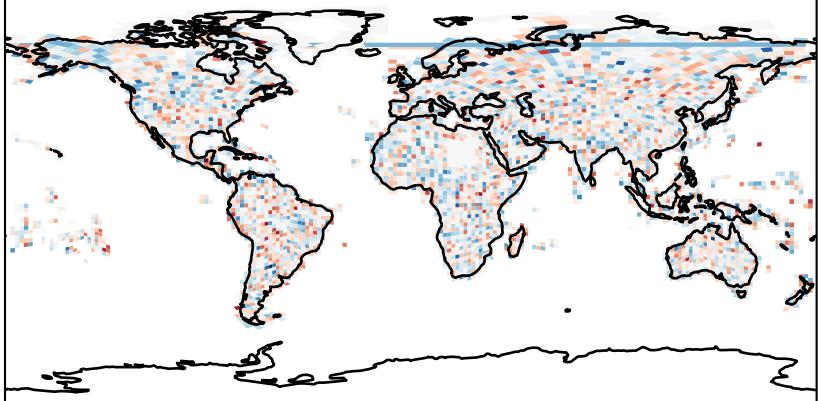
Difference
Dev - Ref, Dynamic Range



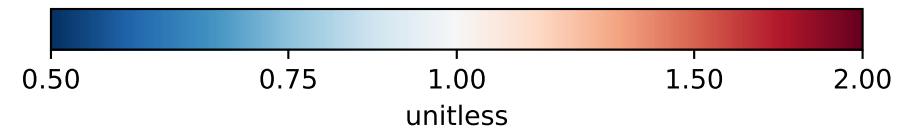
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

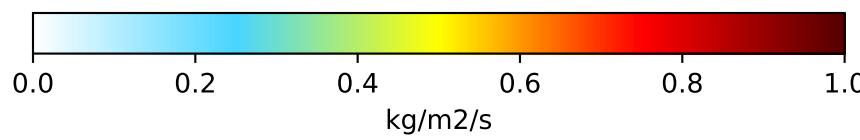


Ratio
Dev/Ref, Fixed Range

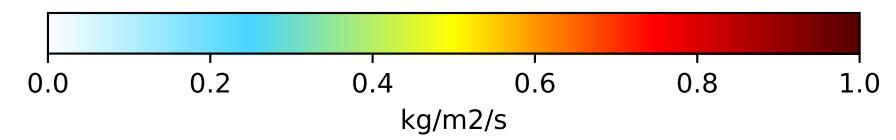


EmisXYLE_BioBurn

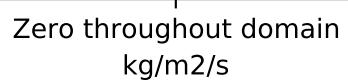
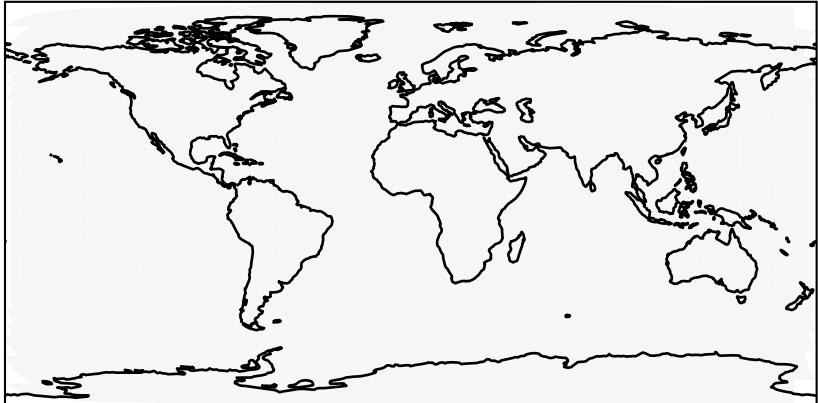
GCHP_13.0.0-rc.2 (Ref)
c48



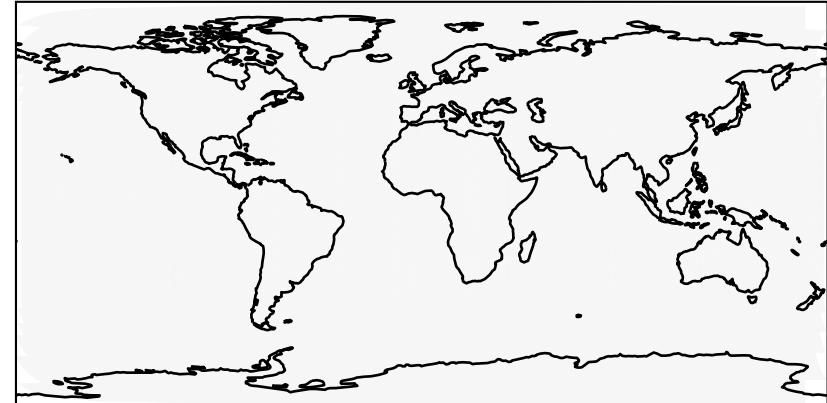
GCHP_13.1.0-beta.1 (Dev)
c48



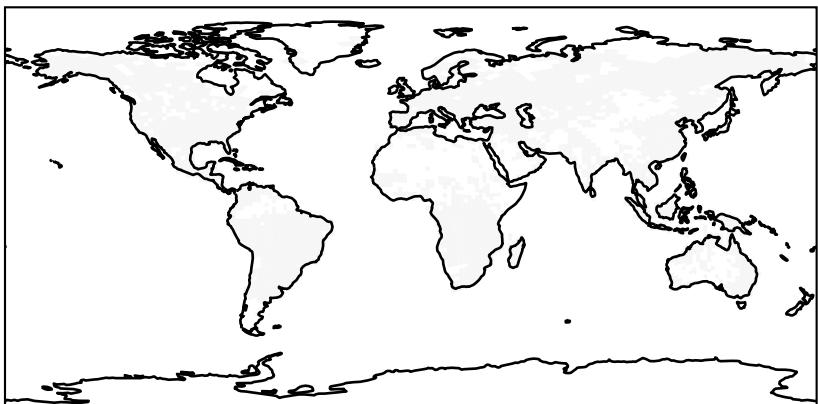
Difference
Dev - Ref, Dynamic Range



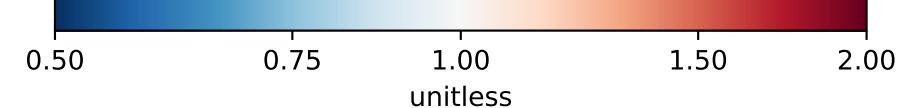
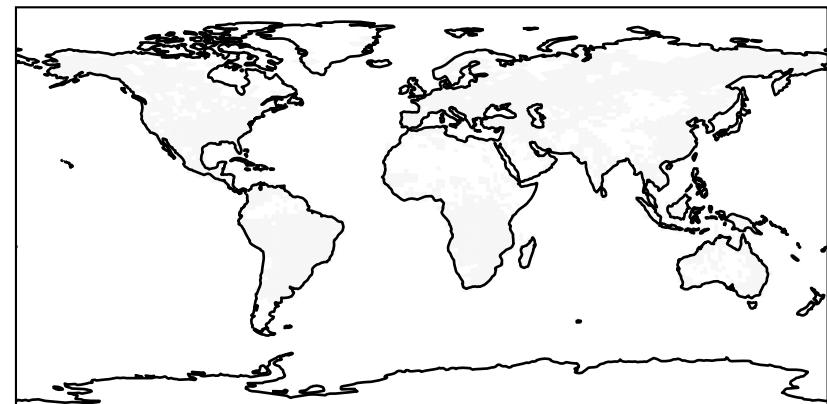
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

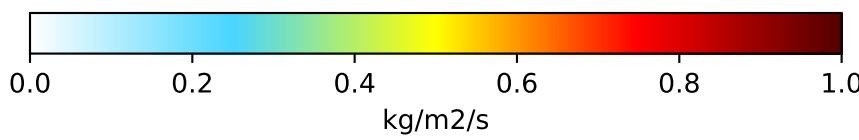
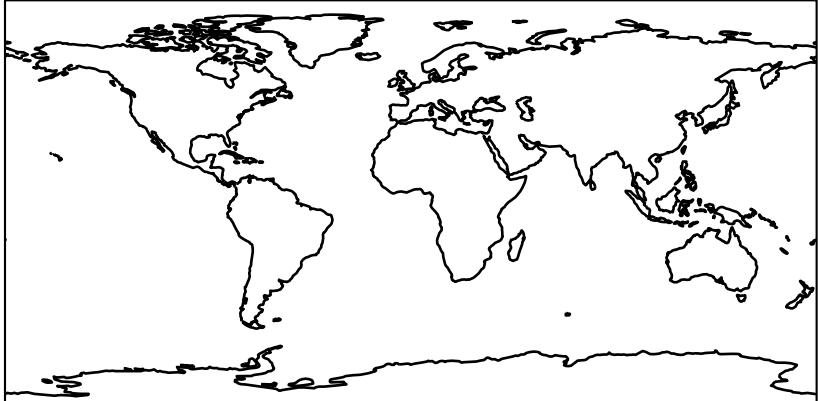


Ratio
Dev/Ref, Fixed Range

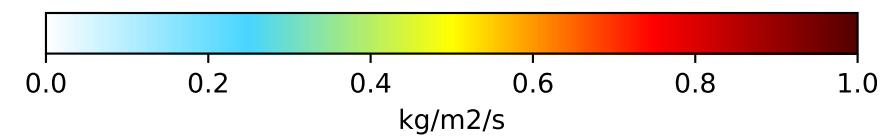


EmisXYLE_Ship

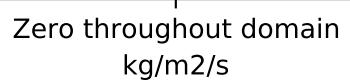
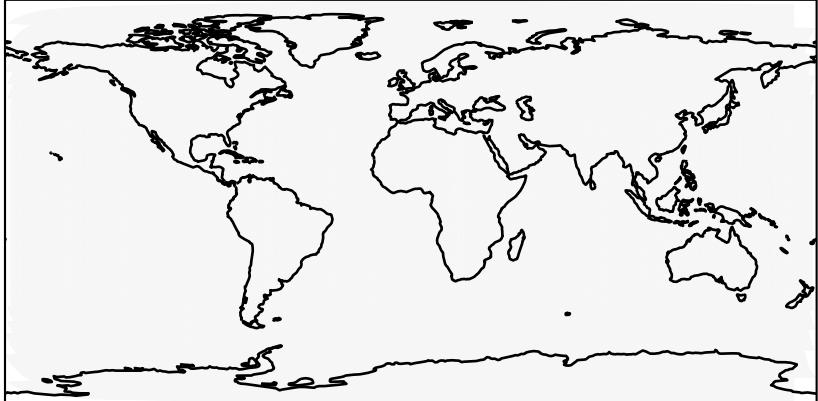
GCHP_13.0.0-rc.2 (Ref)
c48



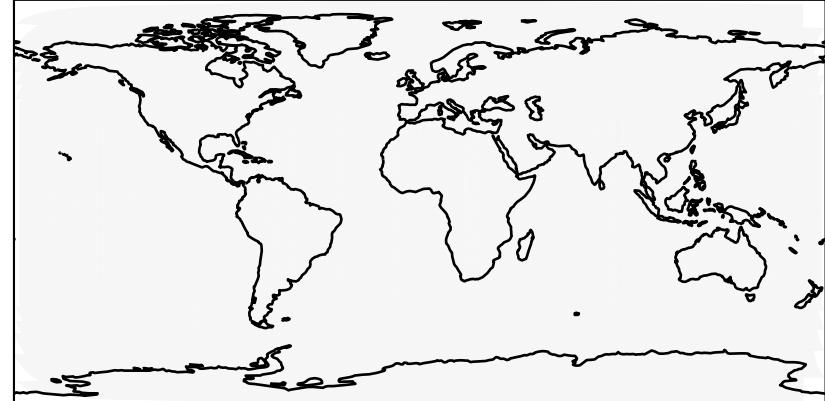
GCHP_13.1.0-beta.1 (Dev)
c48



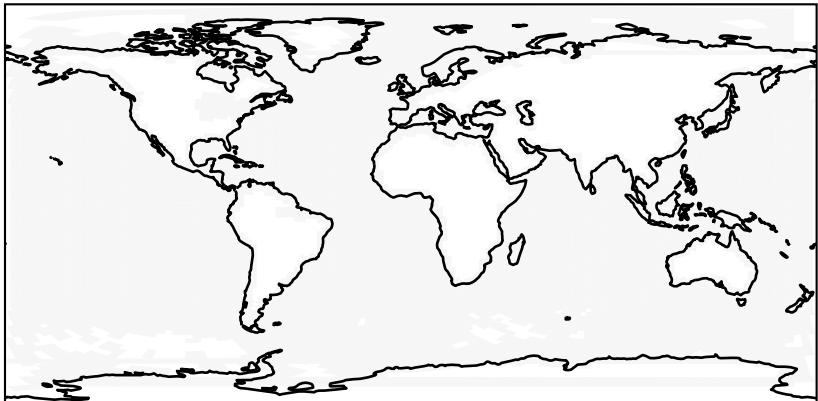
Difference
Dev - Ref, Dynamic Range



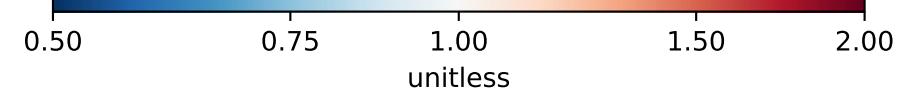
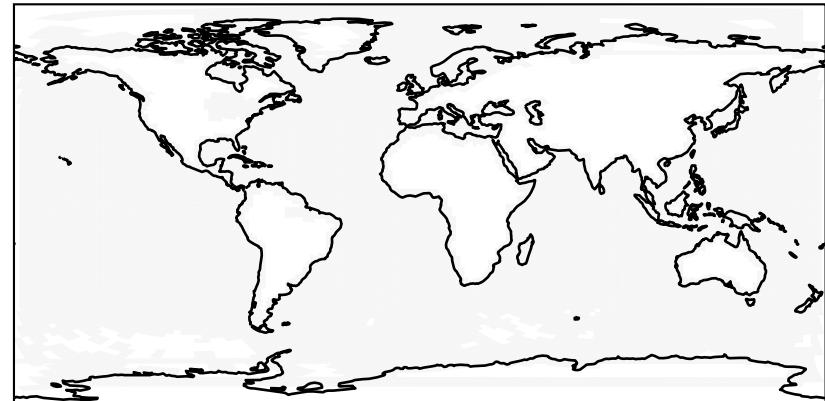
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

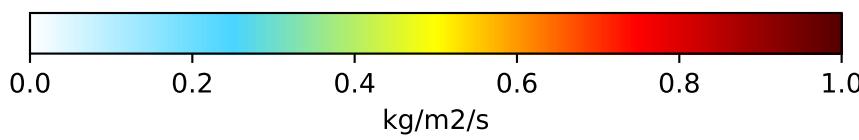


Ratio
Dev/Ref, Fixed Range

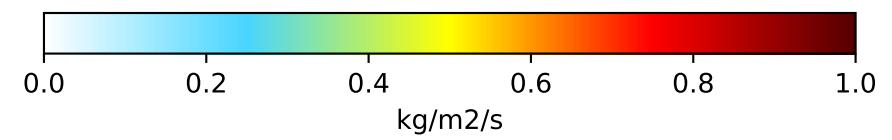
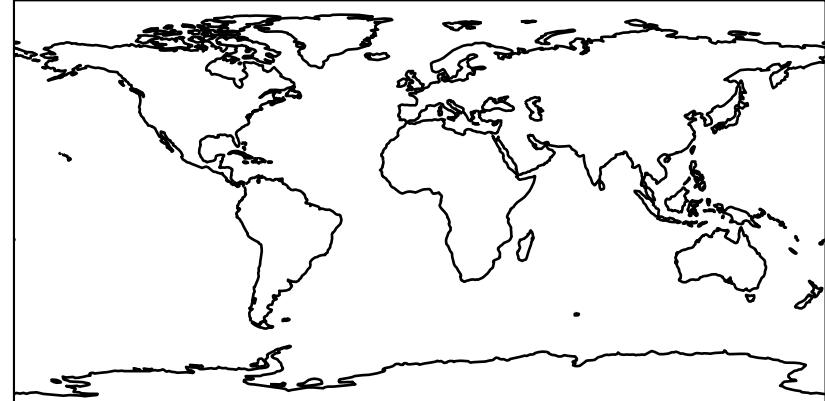


EmisXYLE_Total

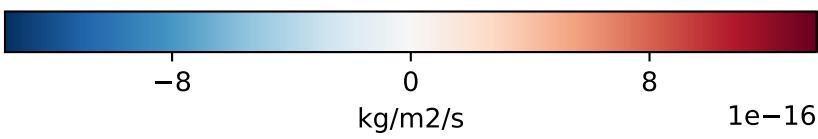
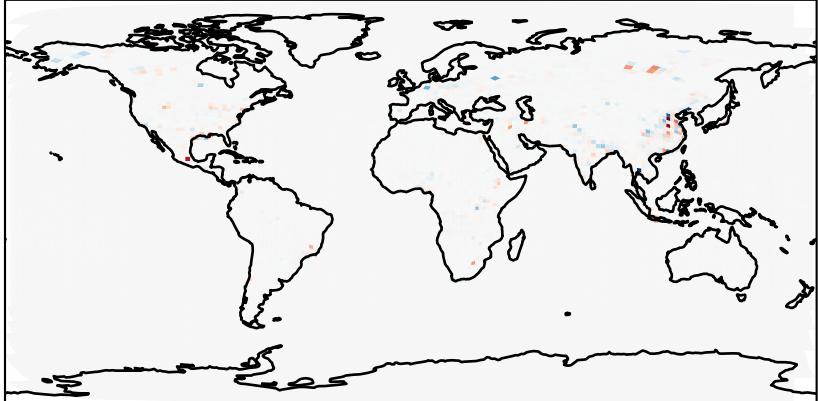
GCHP_13.0.0-rc.2 (Ref)
c48



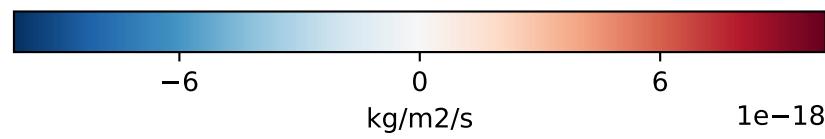
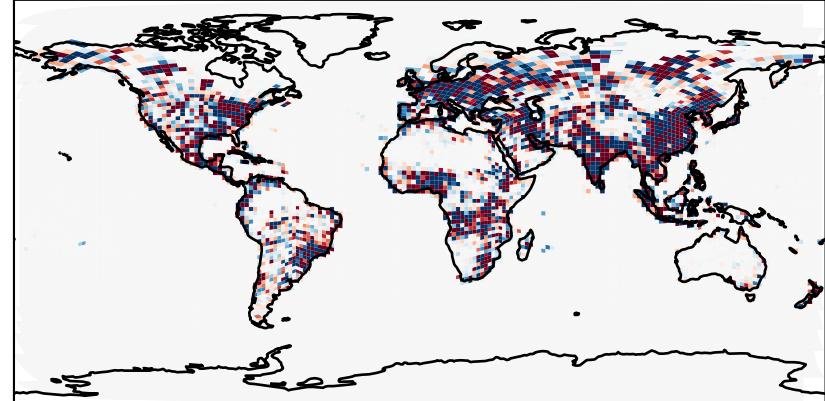
GCHP_13.1.0-beta.1 (Dev)
c48



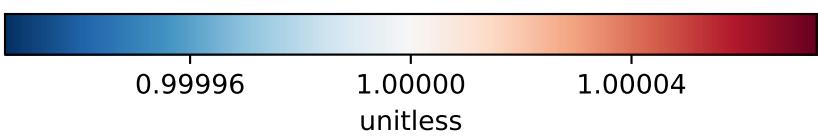
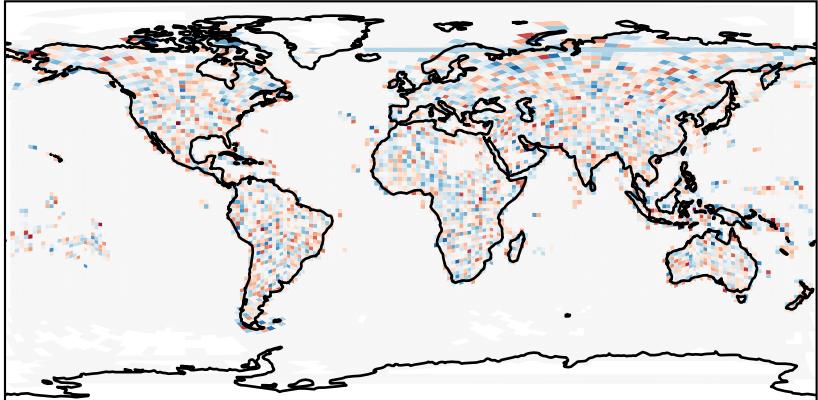
Difference
Dev - Ref, Dynamic Range



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



Ratio
Dev/Ref, Dynamic Range



Ratio
Dev/Ref, Fixed Range

