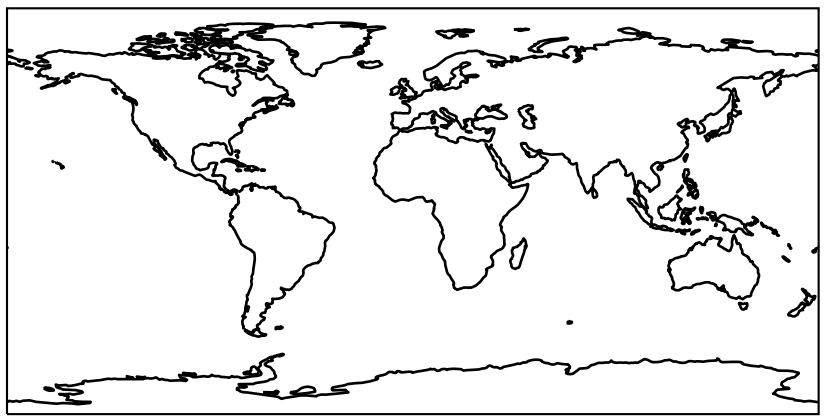
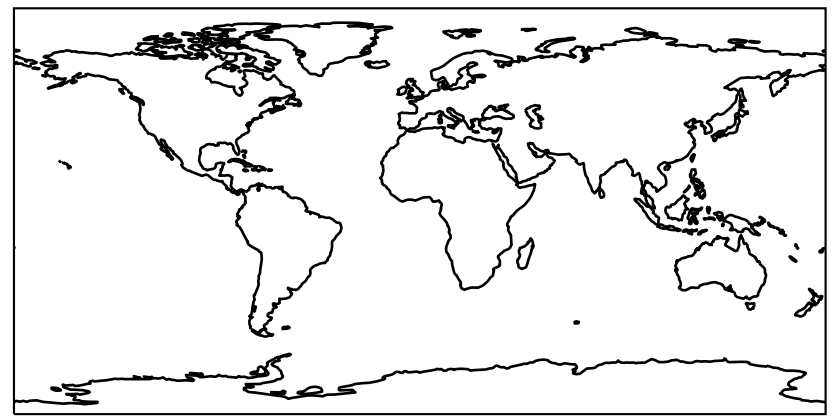
EmisHNO2_Anthro

GCHP_13.1.0-beta.1 (Ref)
c48



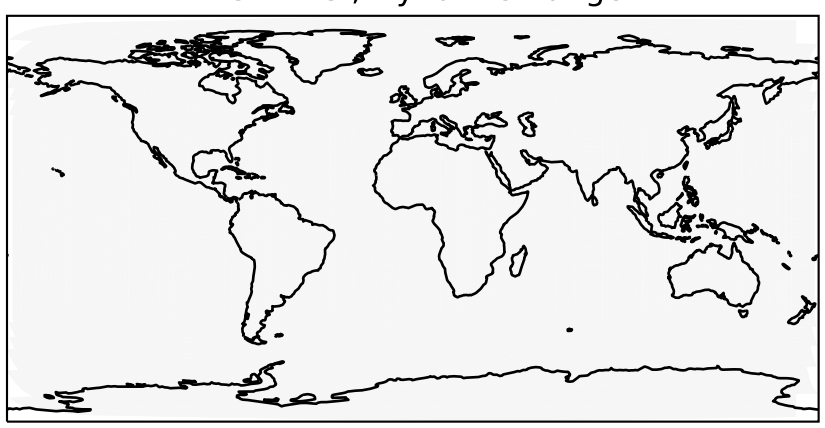
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kg/m2/s

GCHP_13.2.0-beta.0 (Dev)
c48



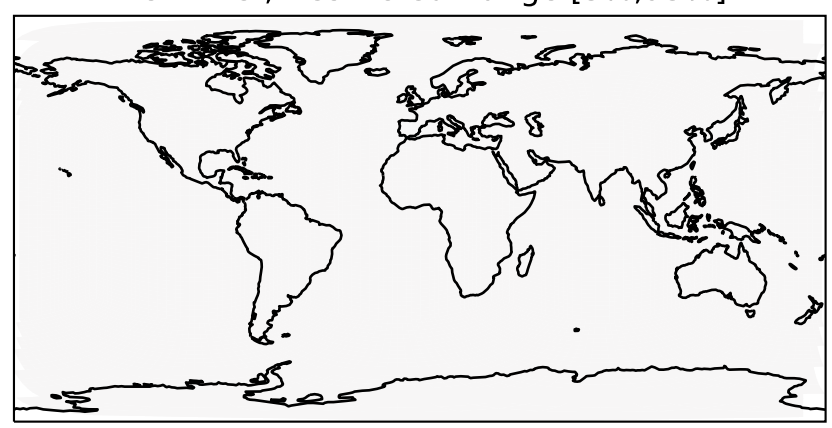
Zero throughout domain
kg/m2/s

Difference
Dev - Ref, Dynamic Range



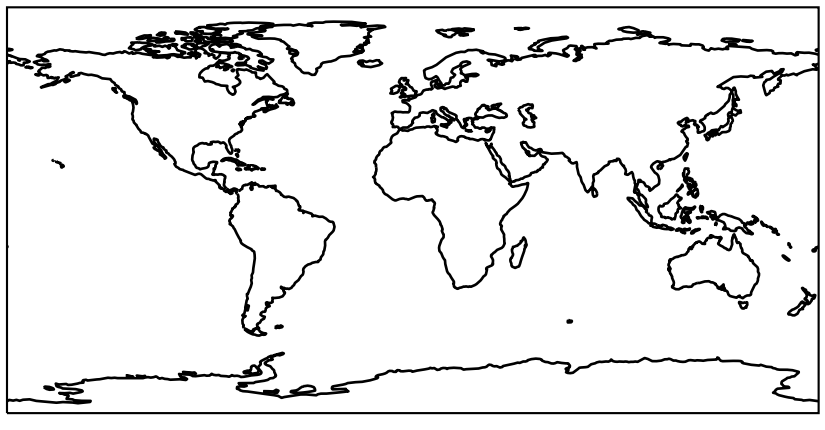
Zero throughout domain
kg/m2/s

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



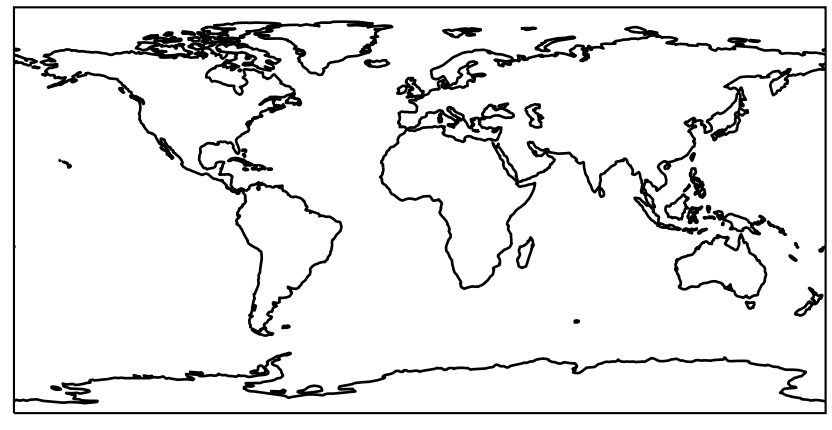
Zero throughout domain
kg/m2/s

Ratio
Dev/Ref, Dynamic Range



Undefined throughout domain
unitless

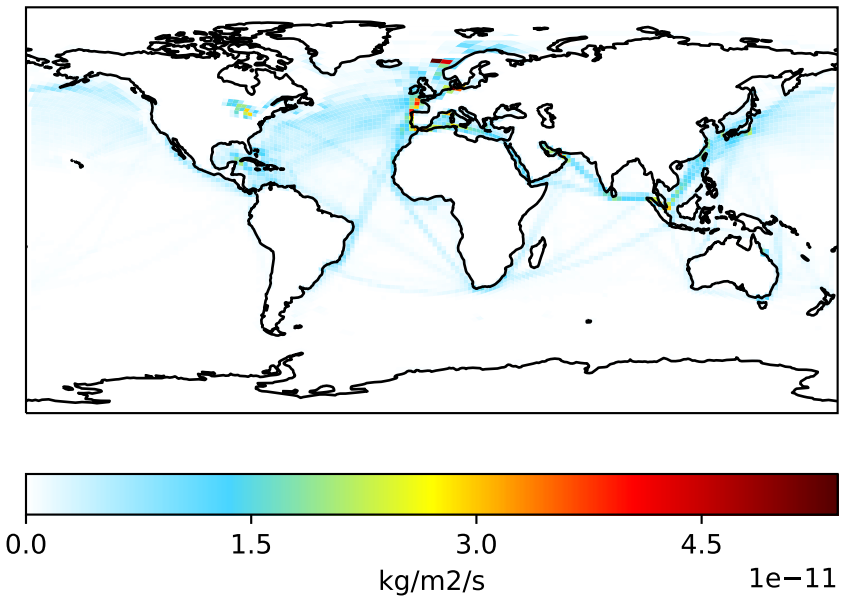
Ratio
Dev/Ref, Fixed Range



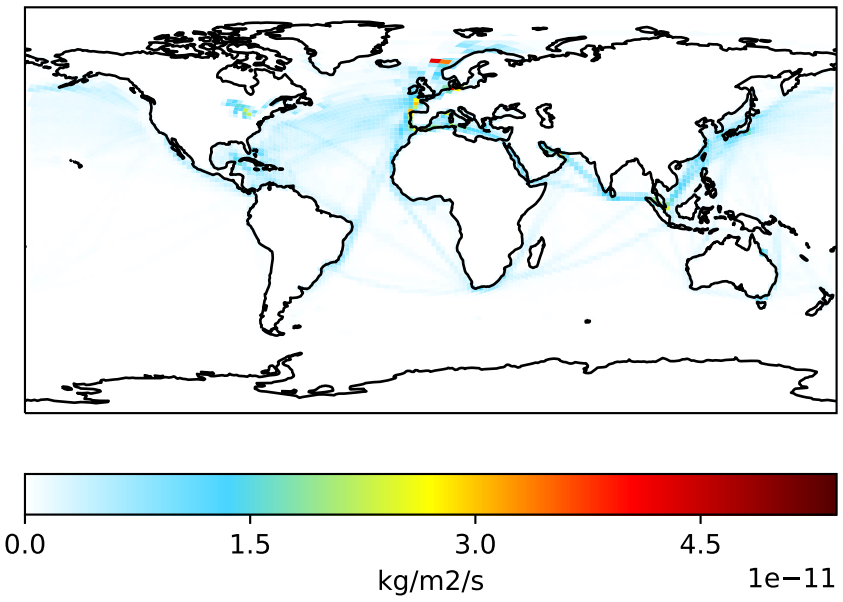
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EmisHNO3_Ship

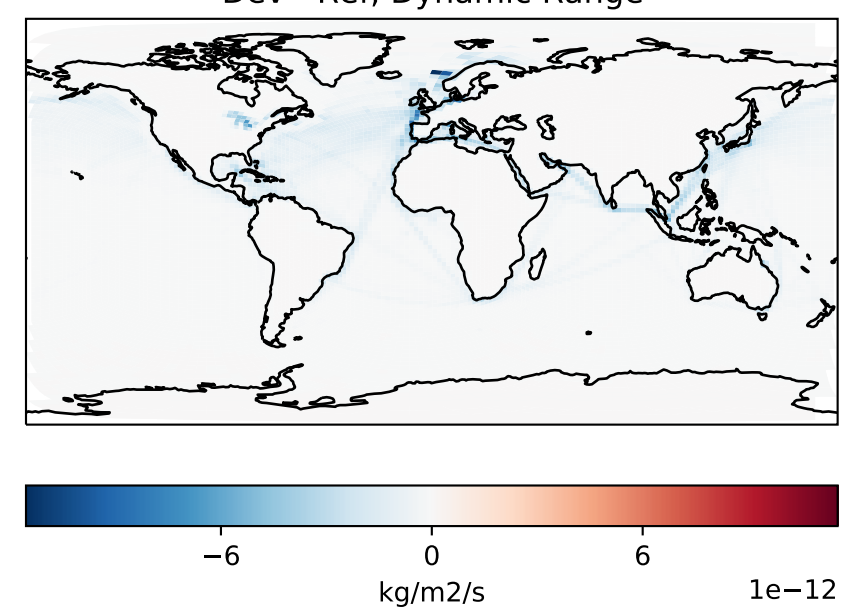
GCHP_13.1.0-beta.1 (Ref)
c48



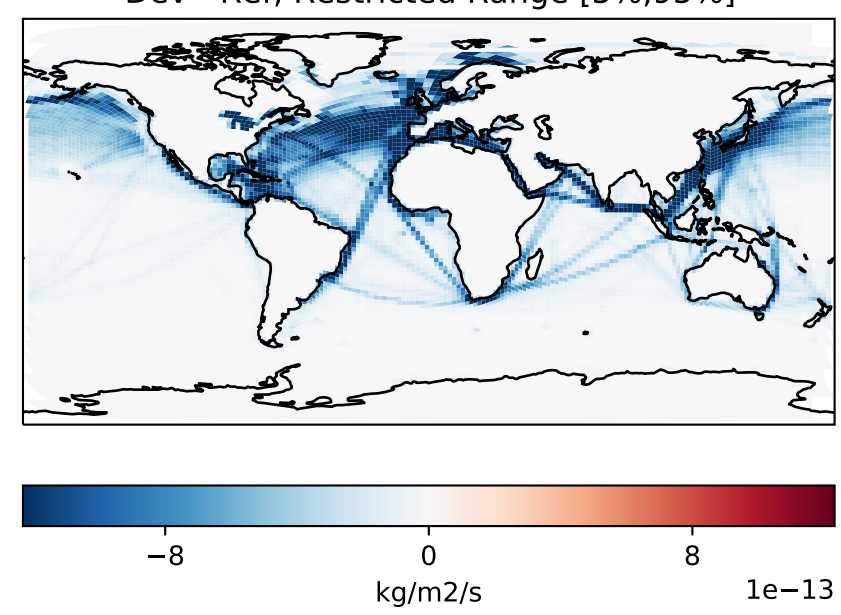
GCHP_13.2.0-beta.0 (Dev)
c48



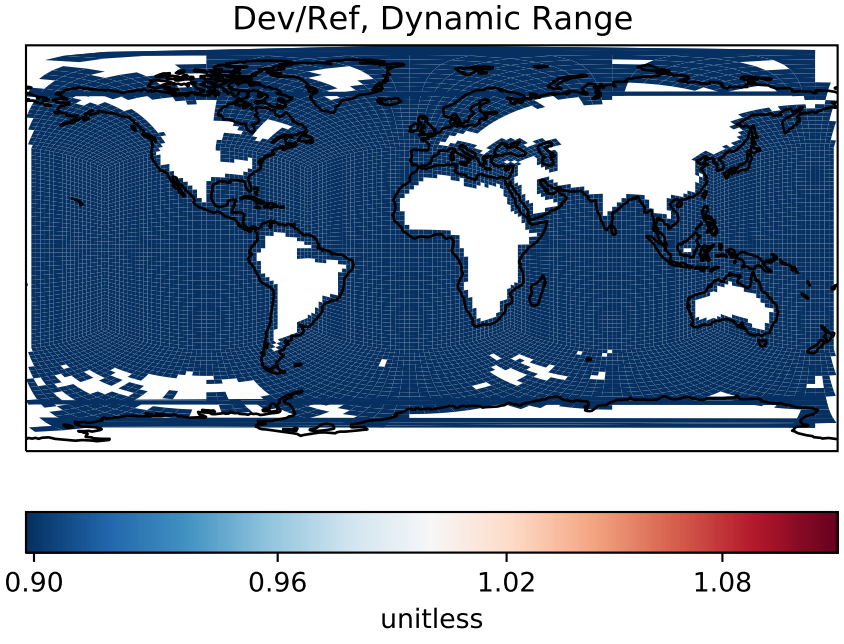
Difference
Dev - Ref, Dynamic Range



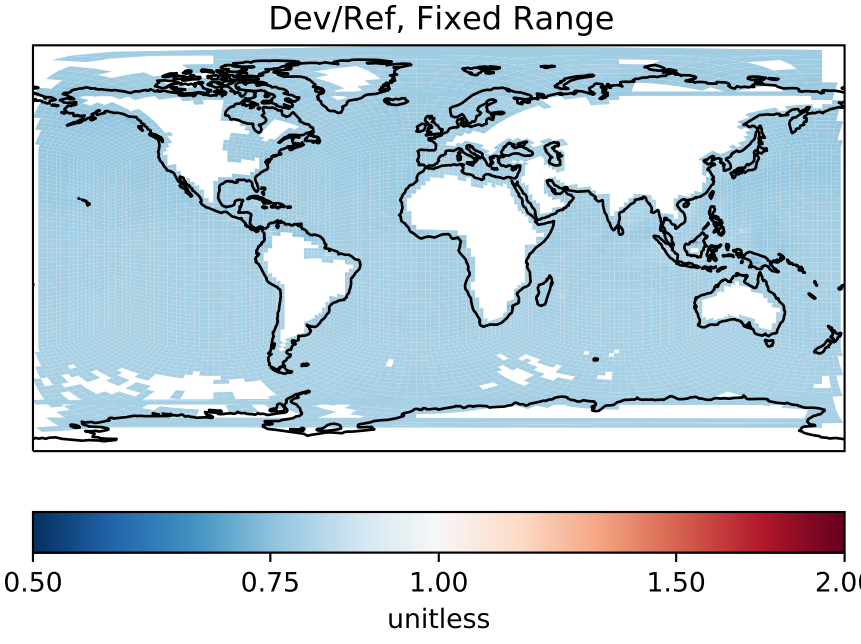
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

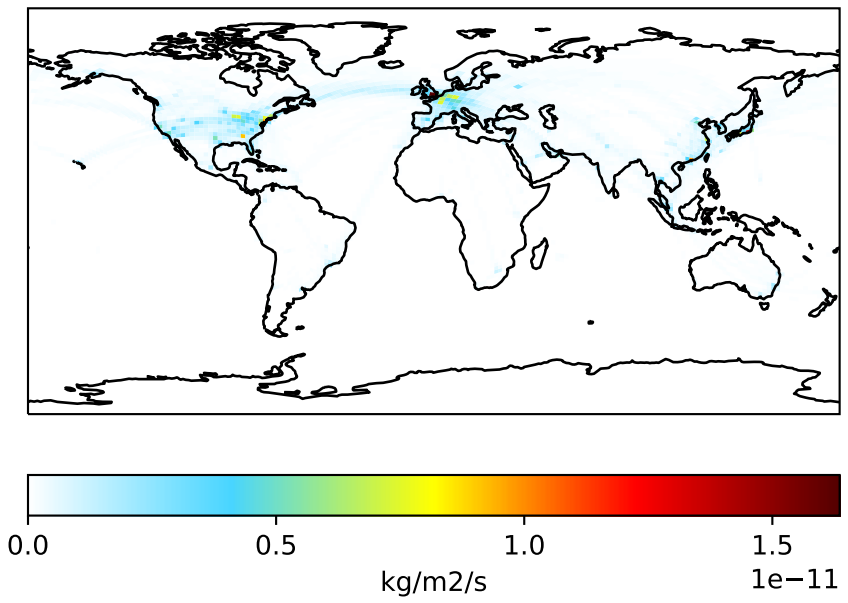


Ratio
Dev/Ref, Fixed Range

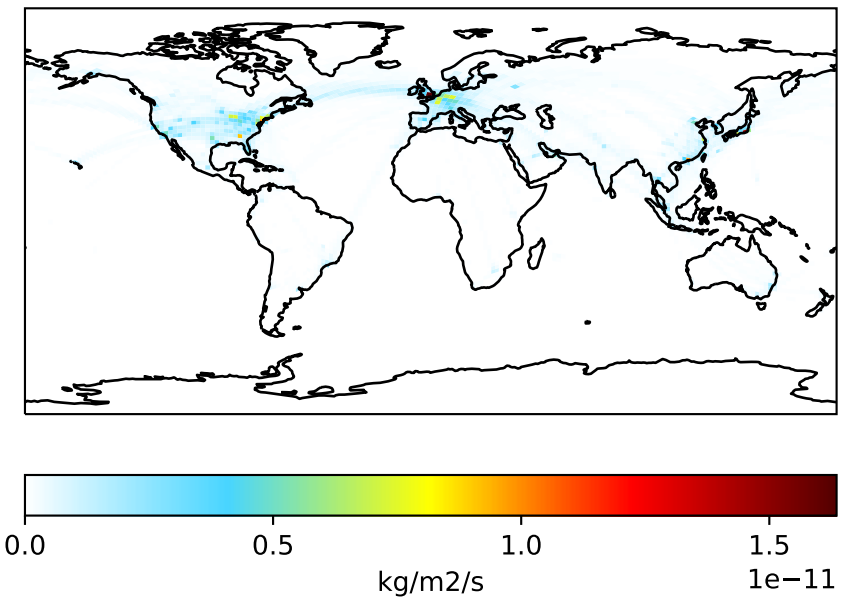


EmisNO_Aircraft

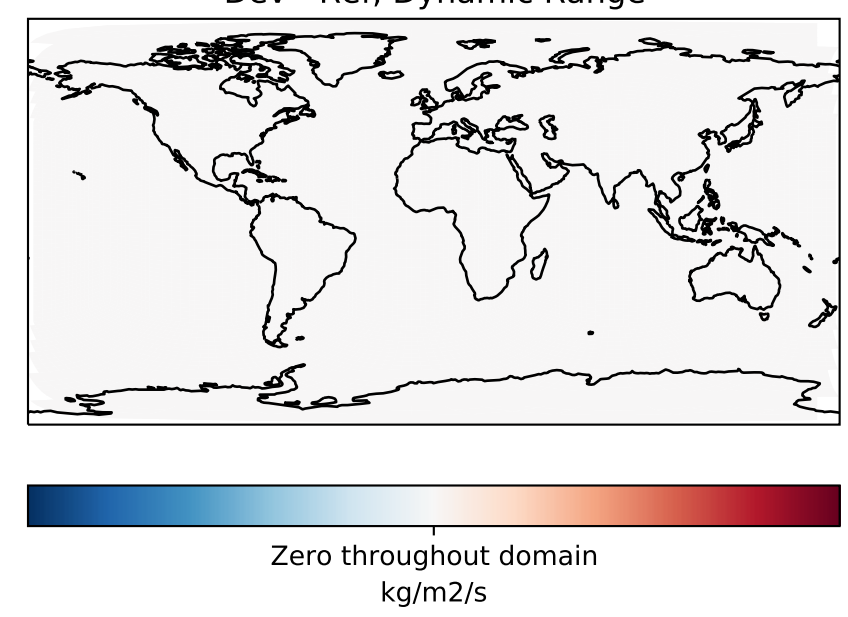
GCHP_13.1.0-beta.1 (Ref)
c48



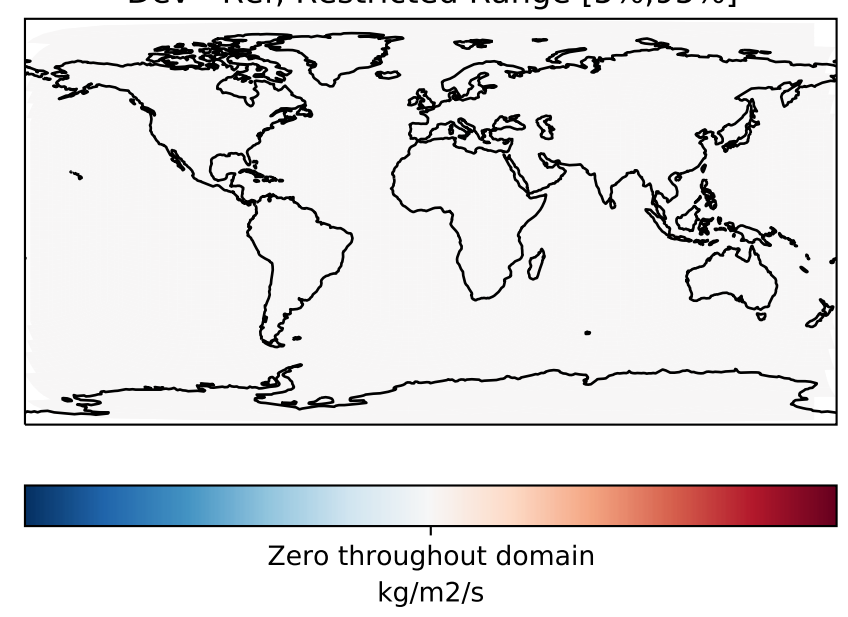
GCHP_13.2.0-beta.0 (Dev)
c48



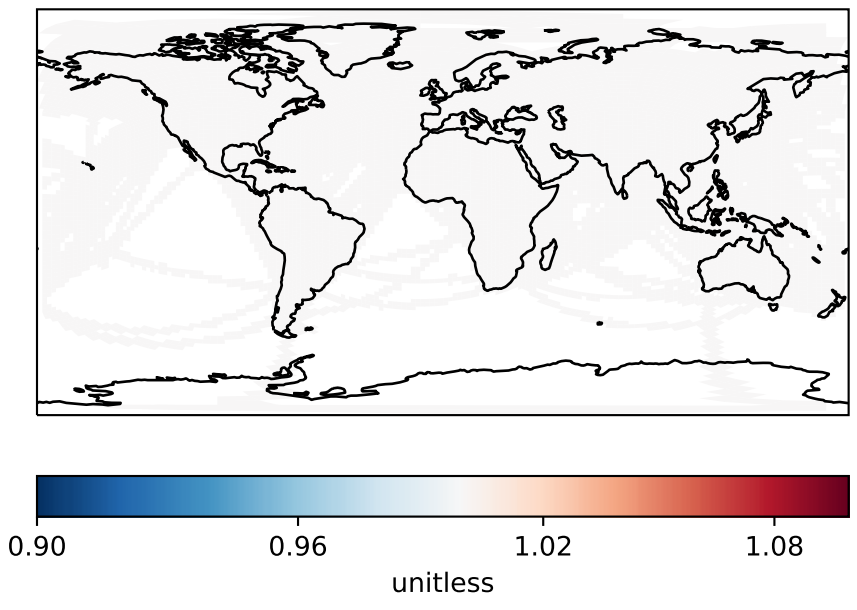
Difference
Dev - Ref, Dynamic Range



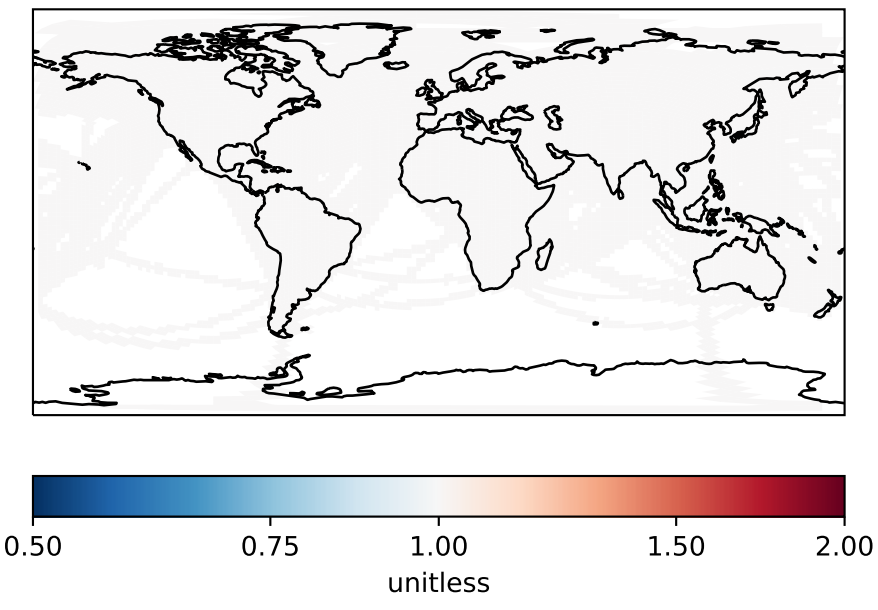
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

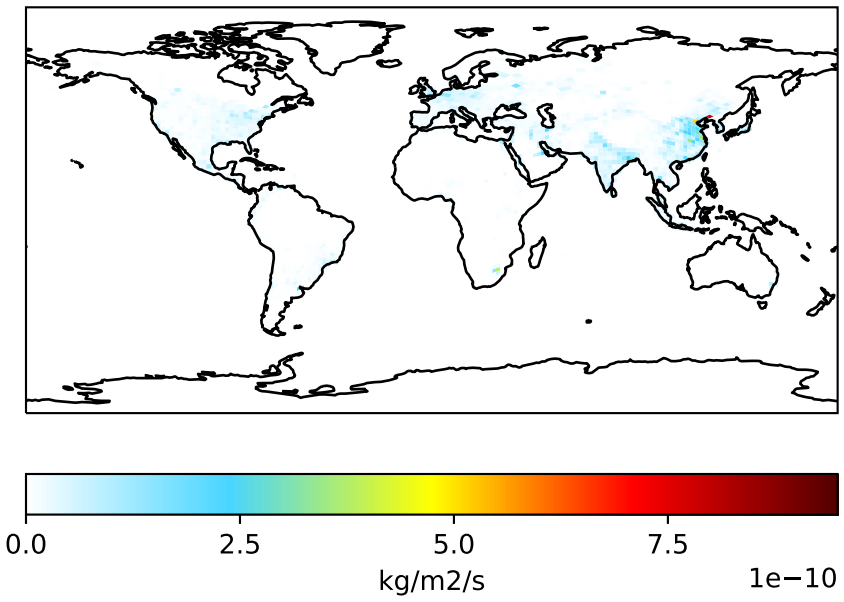


Ratio
Dev/Ref, Fixed Range

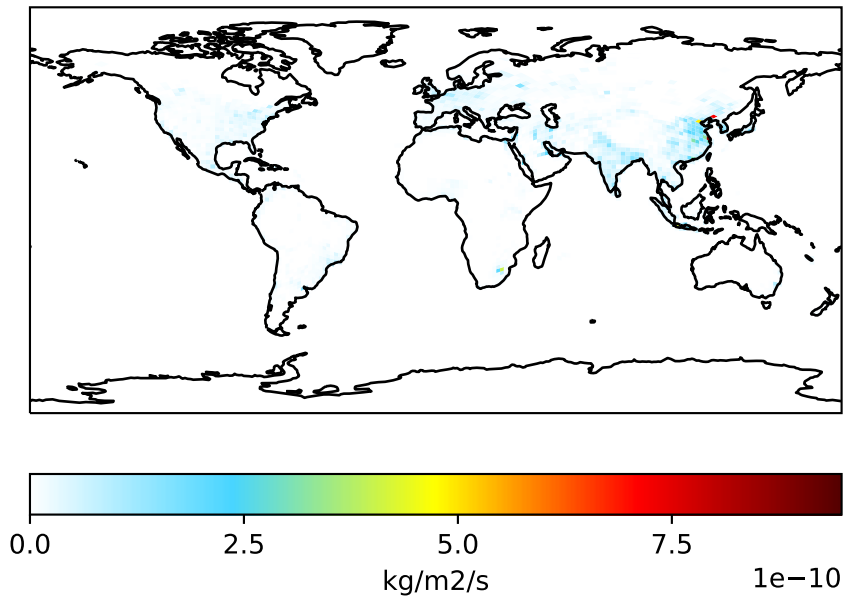


EmisNO_Anthro

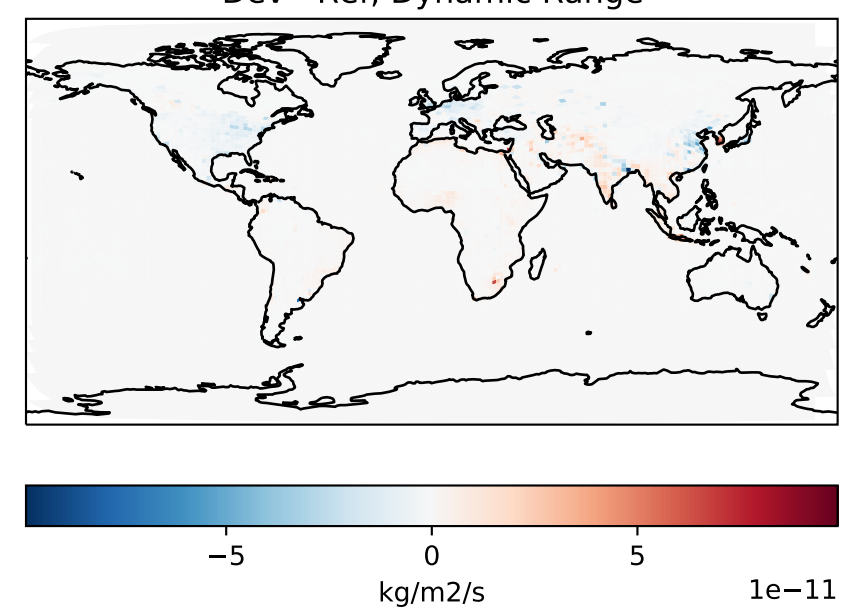
GCHP_13.1.0-beta.1 (Ref)
c48



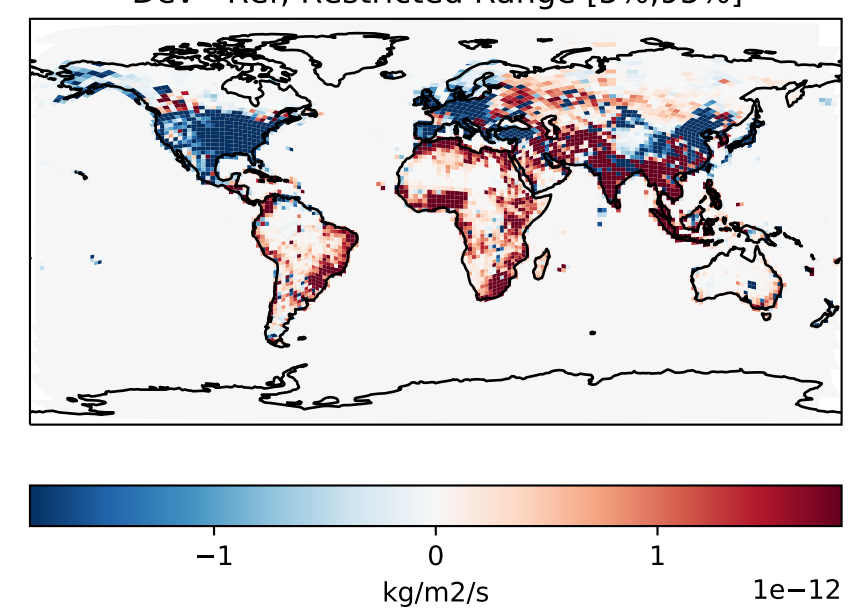
GCHP_13.2.0-beta.0 (Dev)
c48



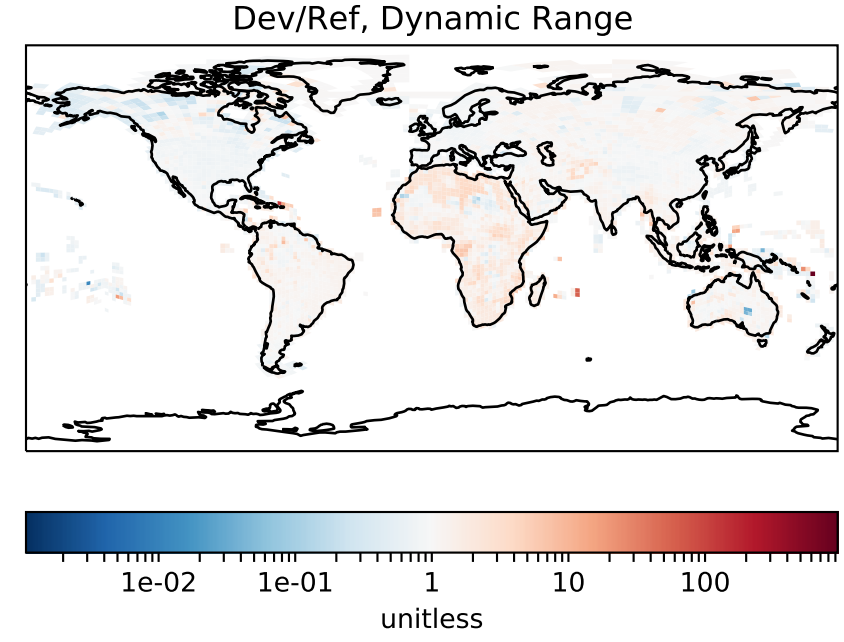
Difference
Dev - Ref, Dynamic Range



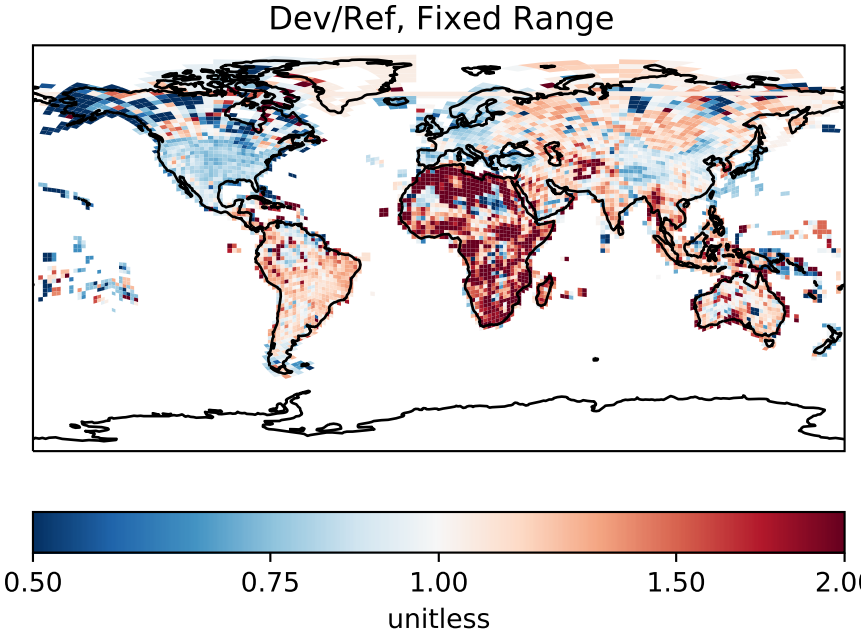
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

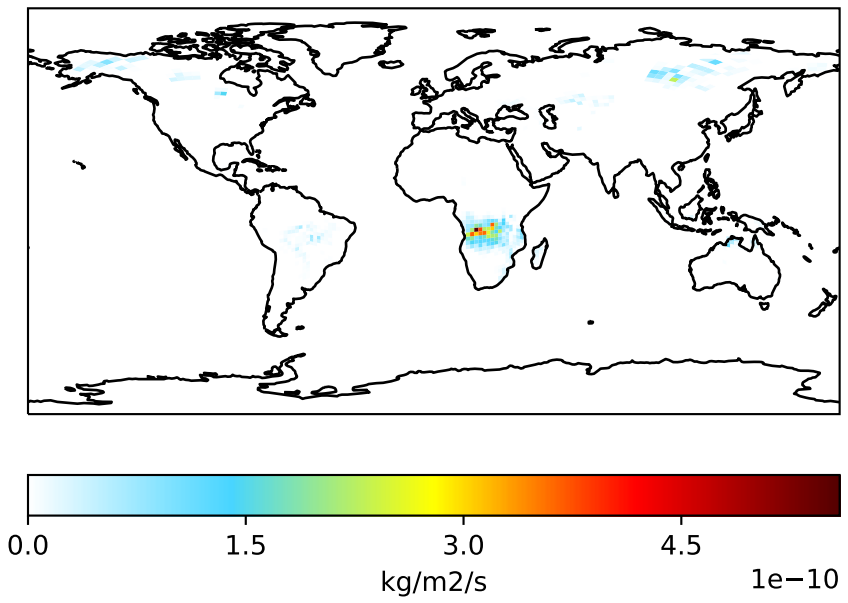


Ratio
Dev/Ref, Fixed Range

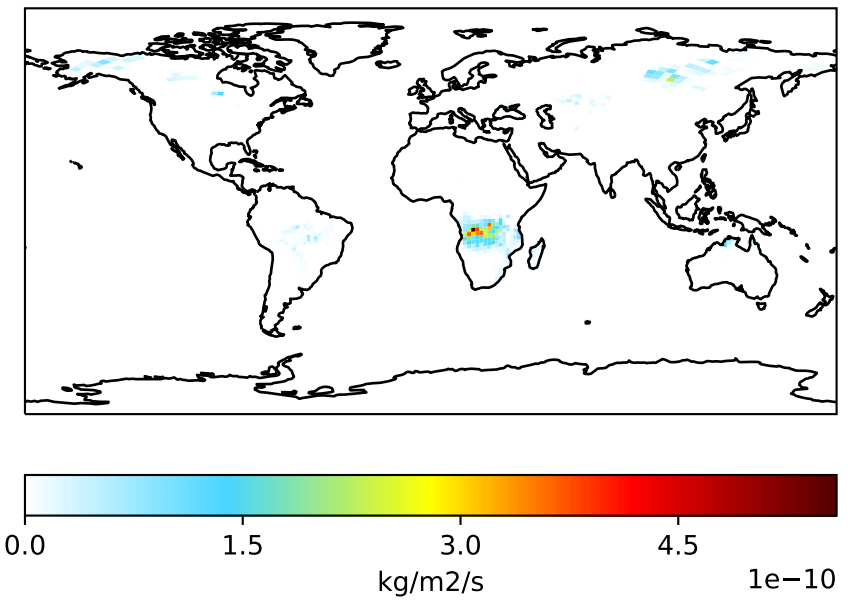


EmisNO_BioBurn

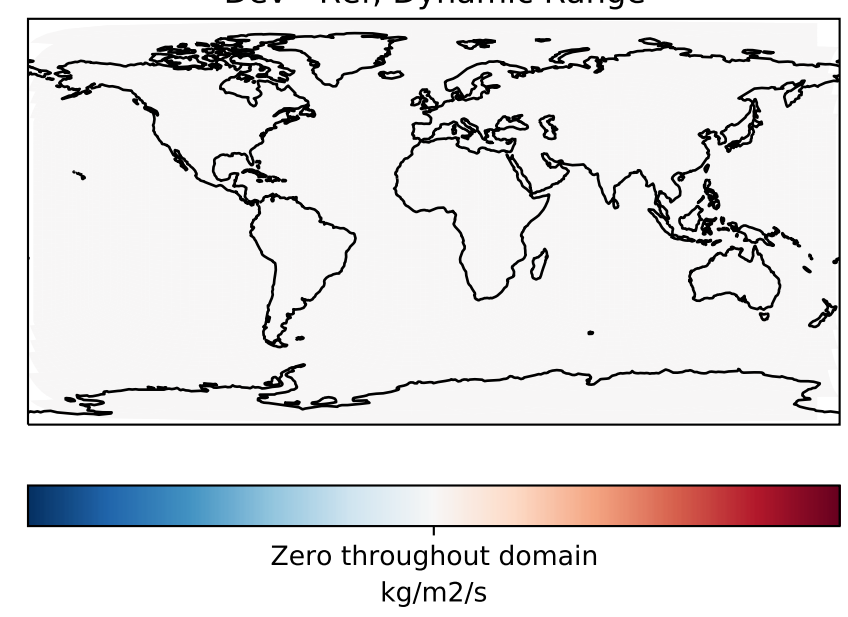
GCHP_13.1.0-beta.1 (Ref)
c48



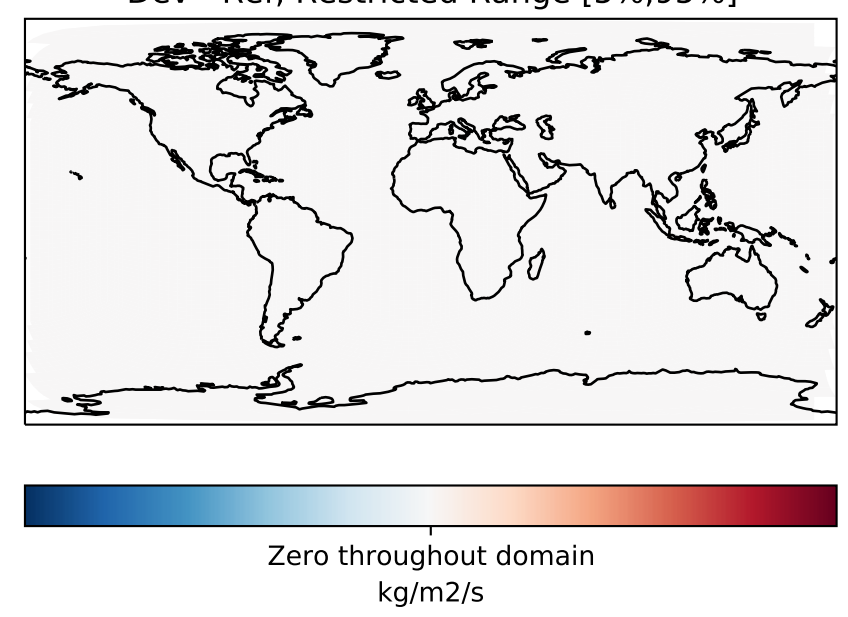
GCHP_13.2.0-beta.0 (Dev)
c48



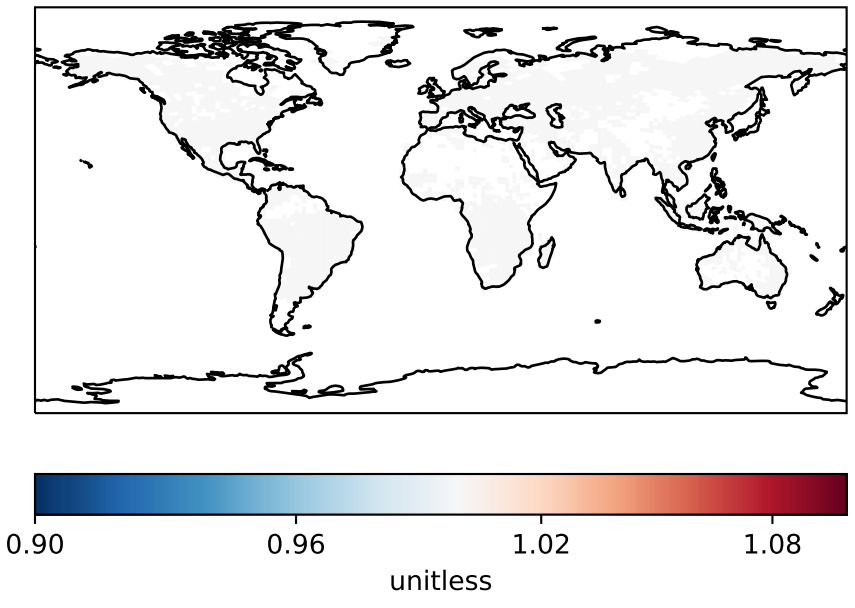
Difference
Dev - Ref, Dynamic Range



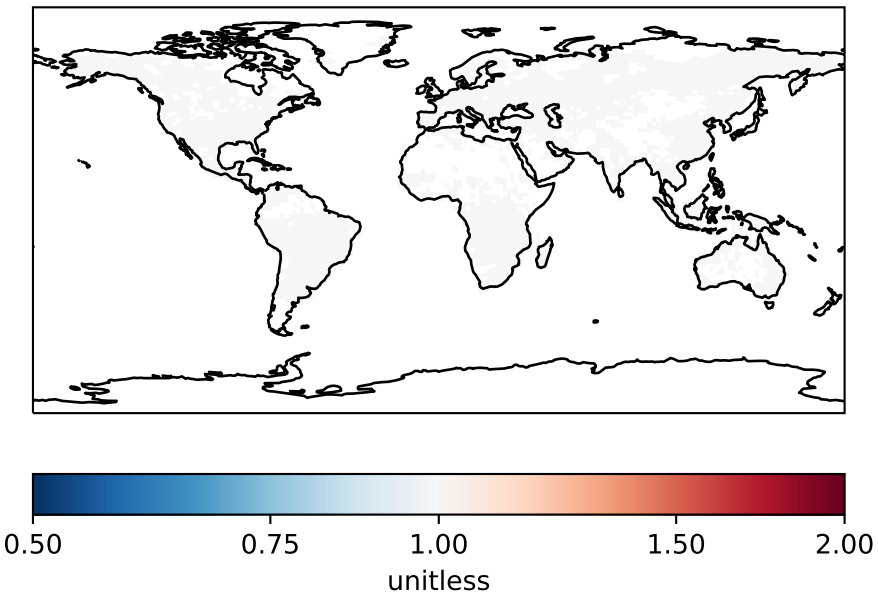
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

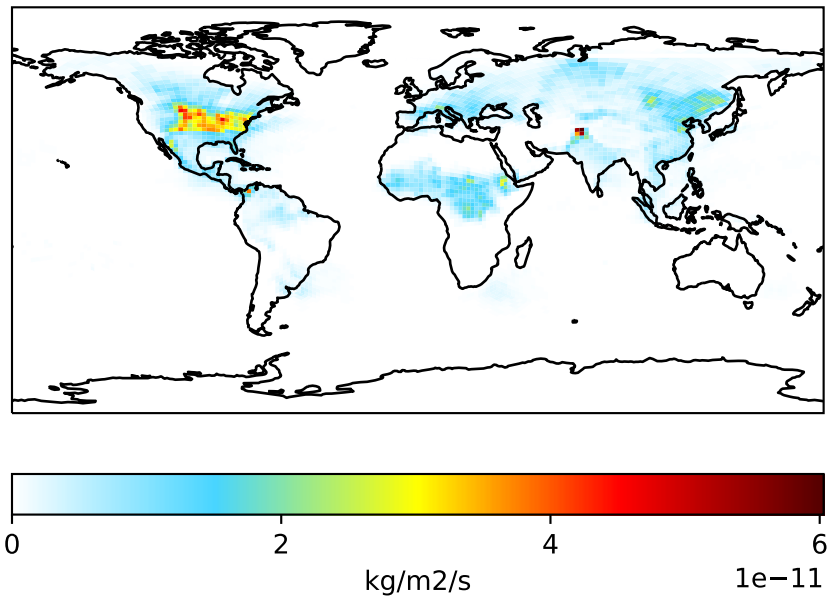


Ratio
Dev/Ref, Fixed Range

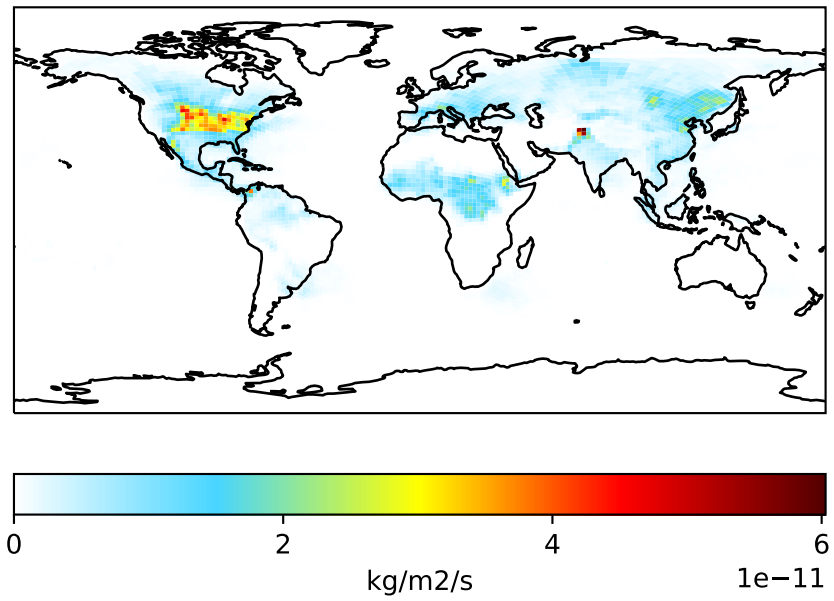


EmisNO_Lightning

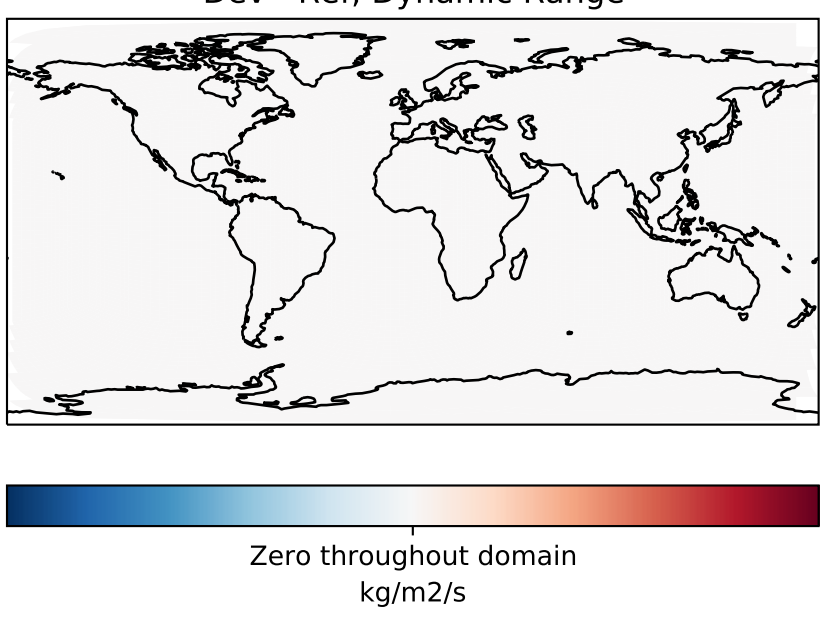
GCHP_13.1.0-beta.1 (Ref)
c48



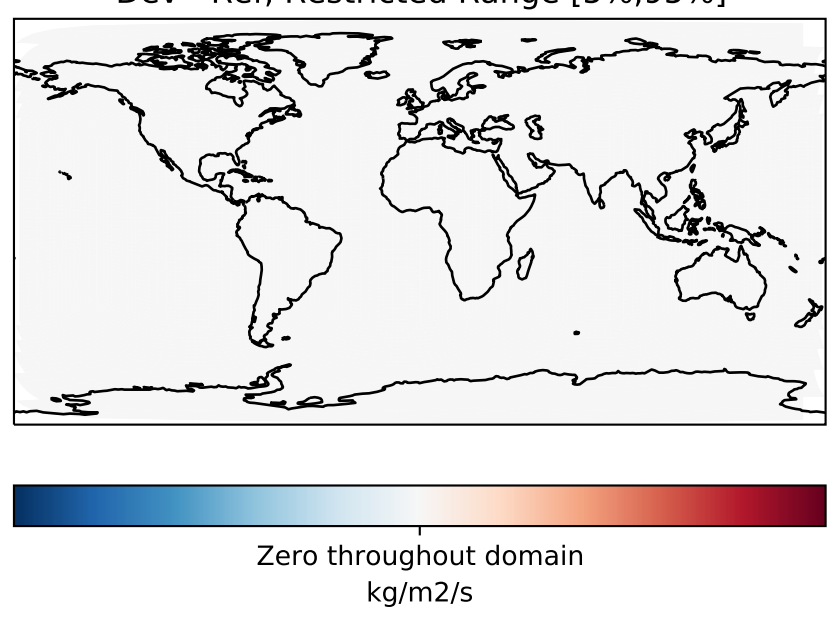
GCHP_13.2.0-beta.0 (Dev)
c48



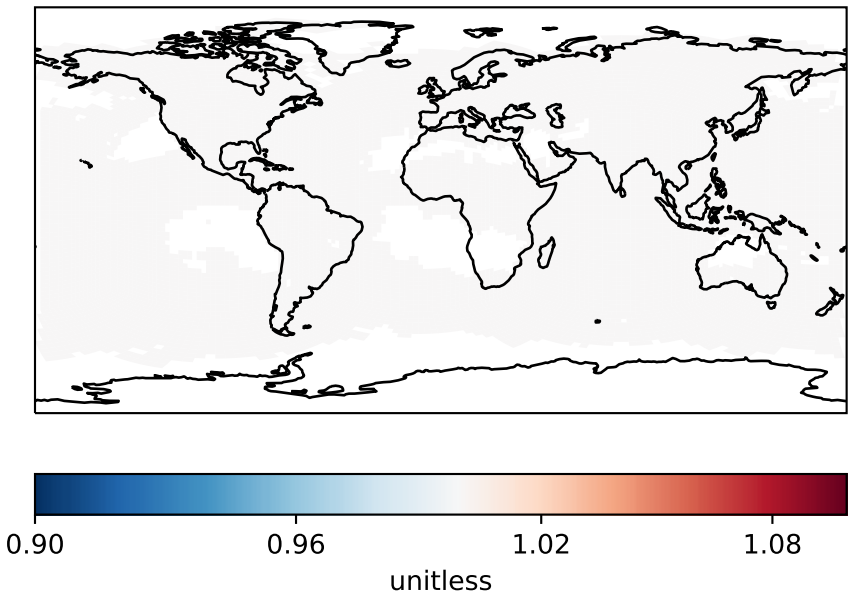
Difference
Dev - Ref, Dynamic Range



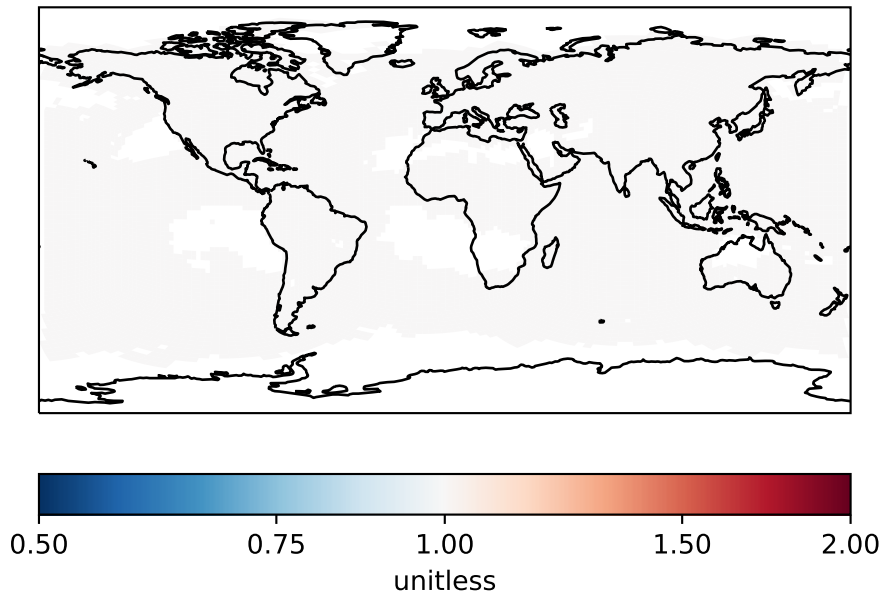
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

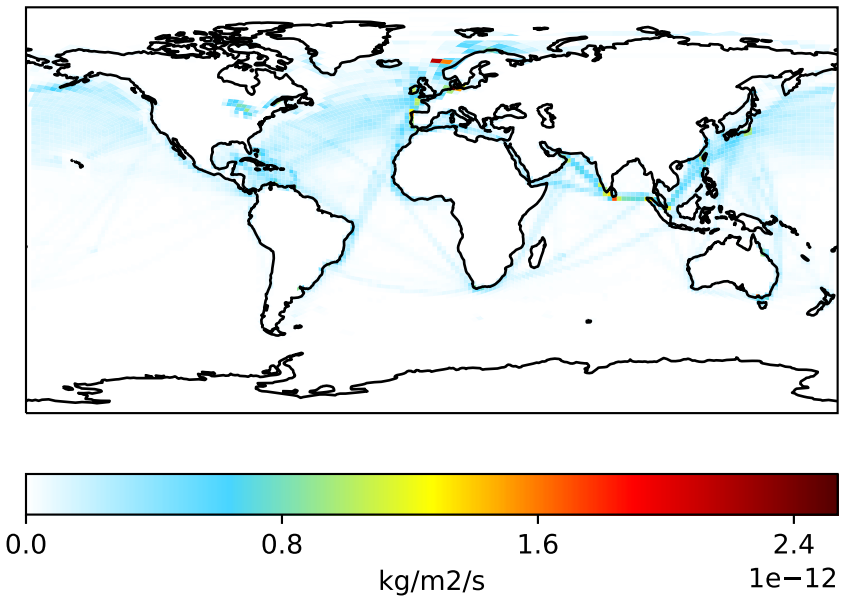


Ratio
Dev/Ref, Fixed Range

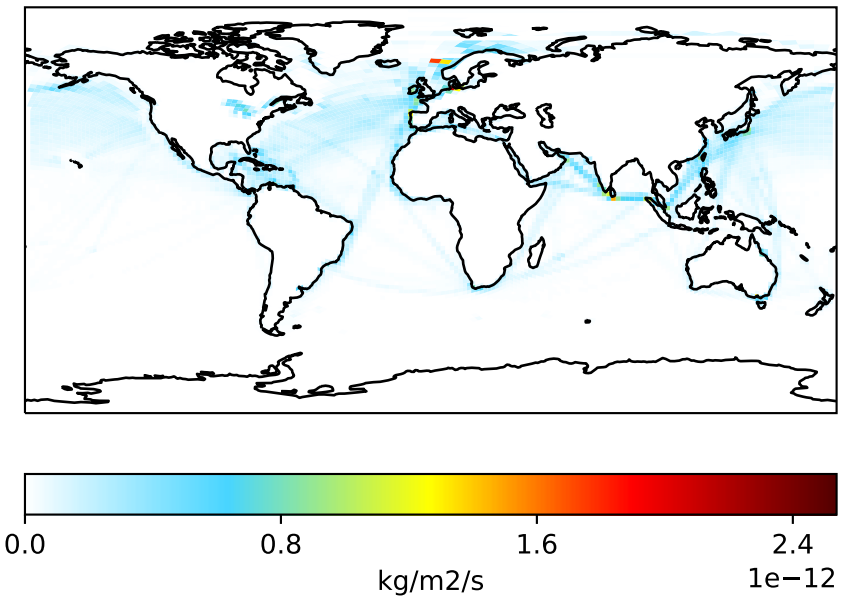


EmisNO_Ship

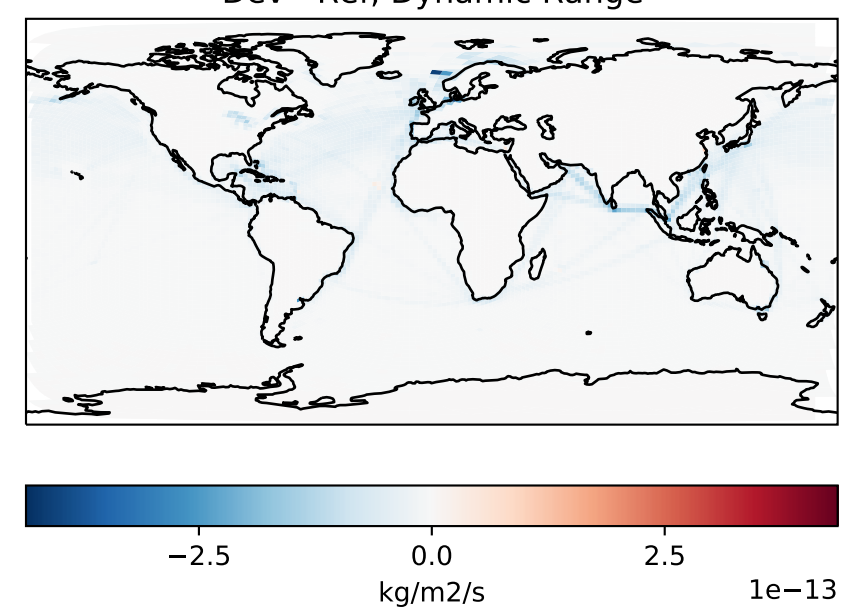
GCHP_13.1.0-beta.1 (Ref)
c48



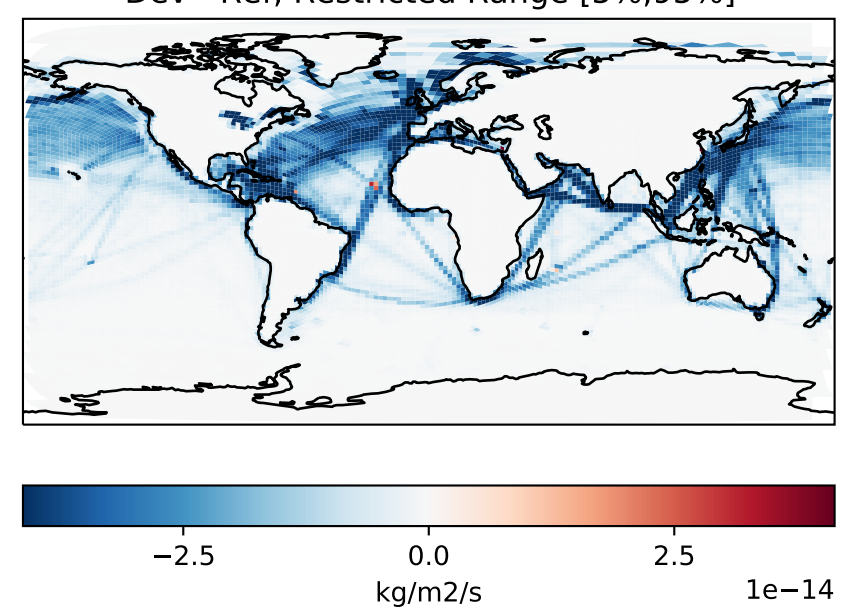
GCHP_13.2.0-beta.0 (Dev)
c48



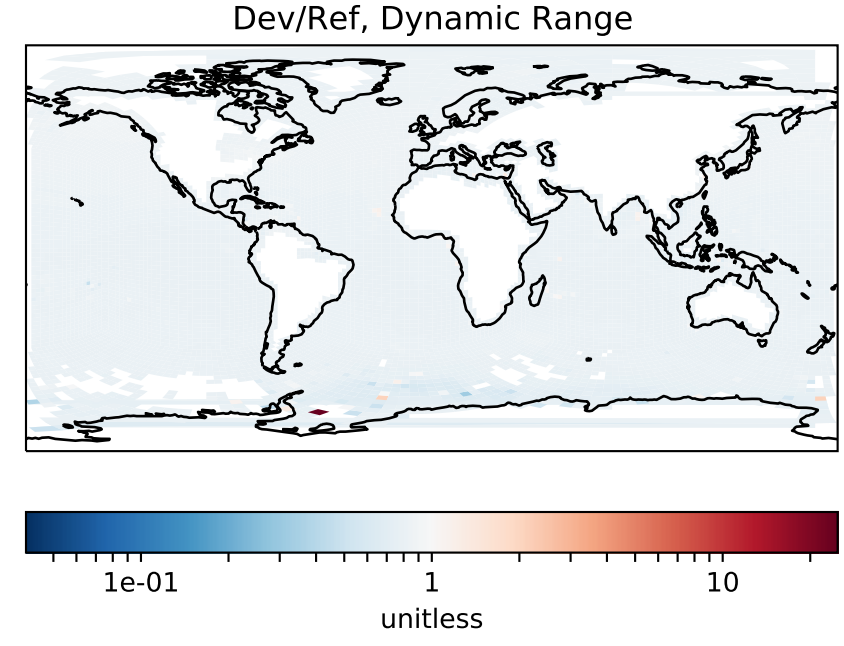
Difference
Dev - Ref, Dynamic Range



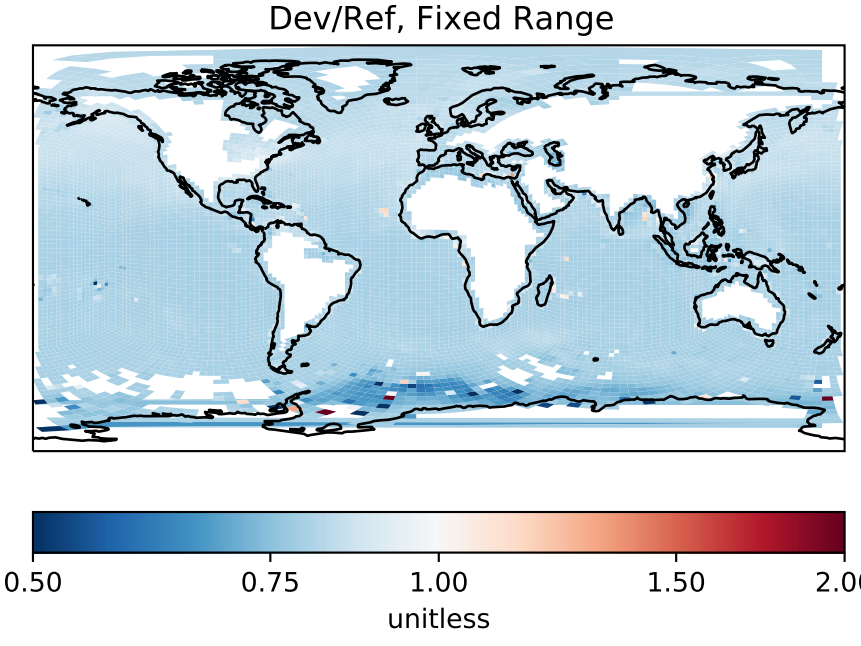
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

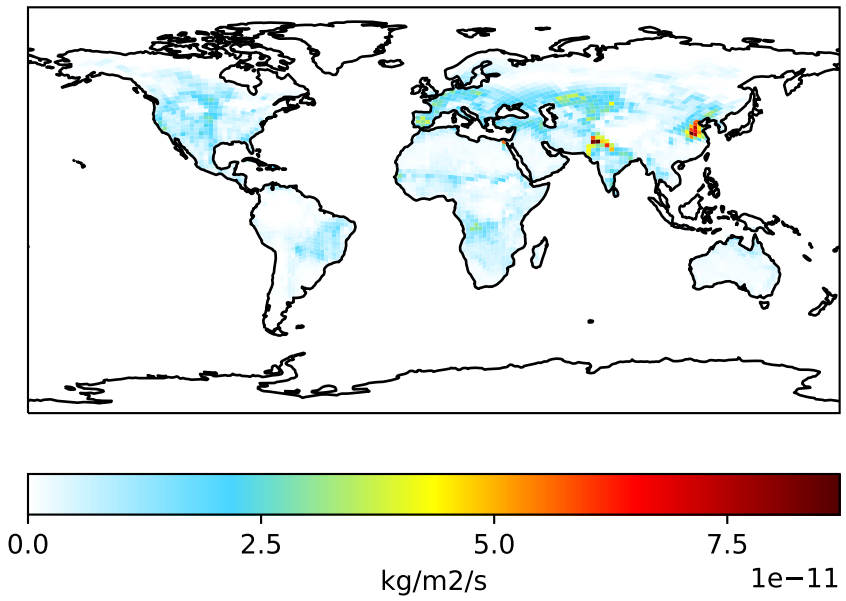


Ratio
Dev/Ref, Fixed Range

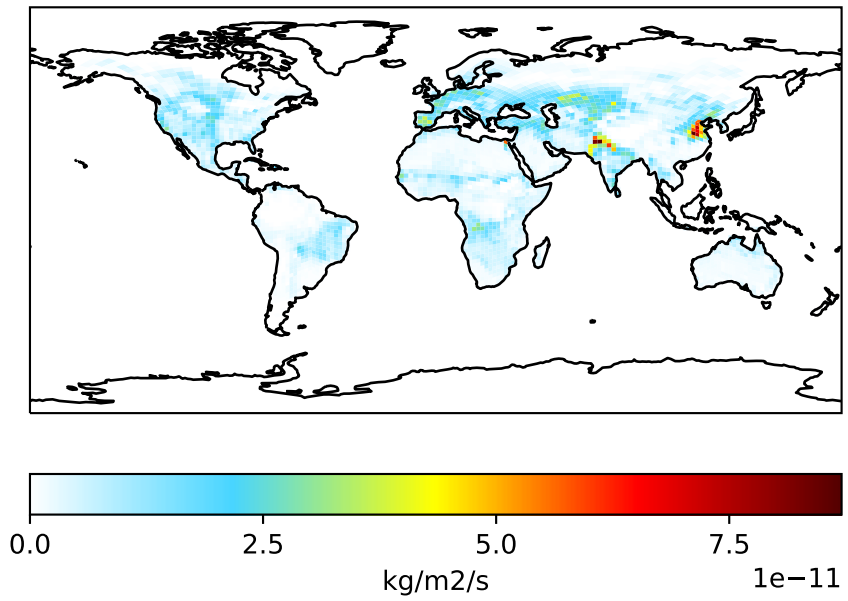


EmisNO_Soil

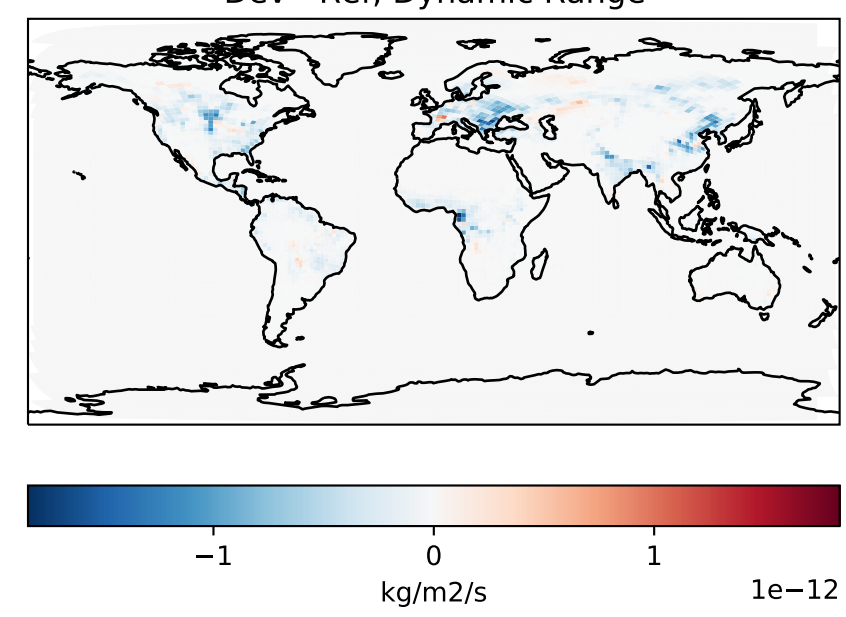
GCHP_13.1.0-beta.1 (Ref)
c48



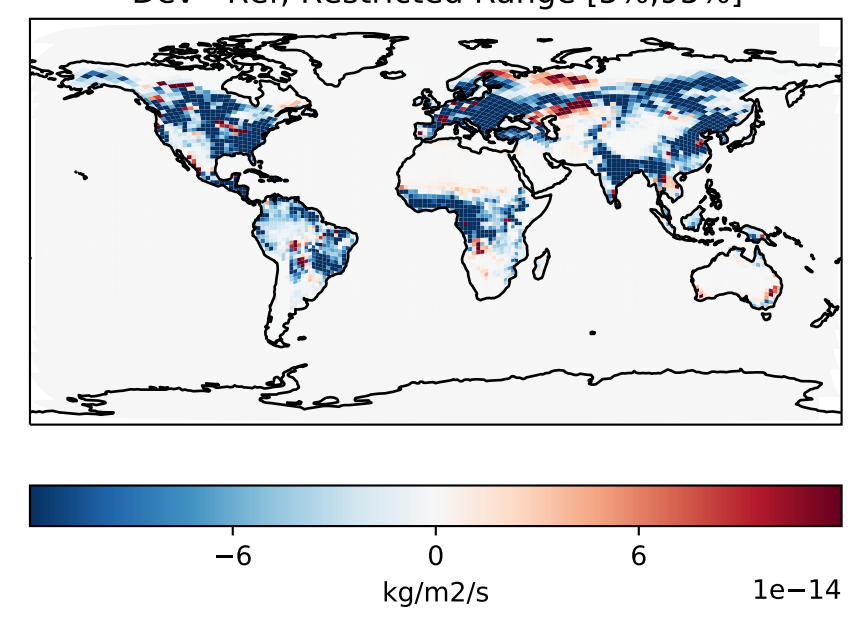
GCHP_13.2.0-beta.0 (Dev)
c48



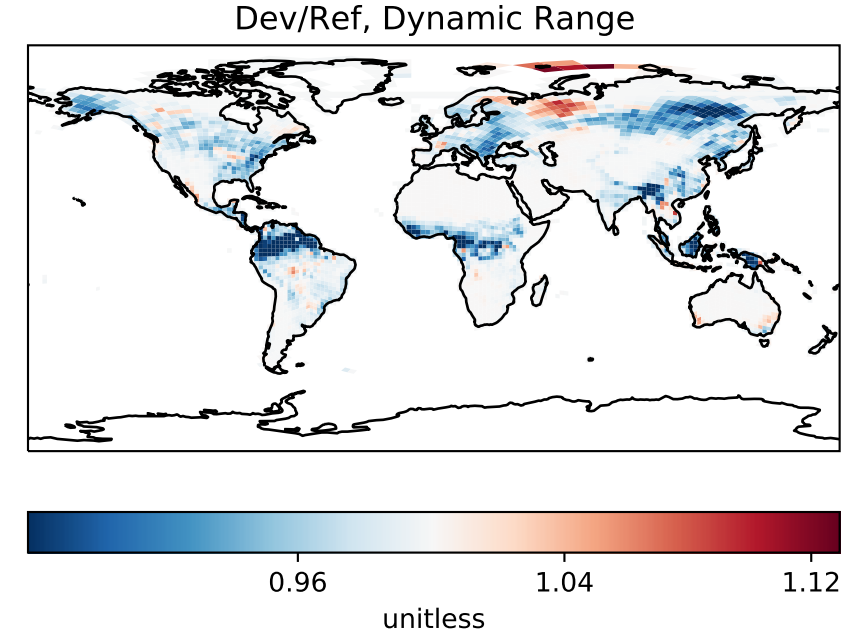
Difference
Dev - Ref, Dynamic Range



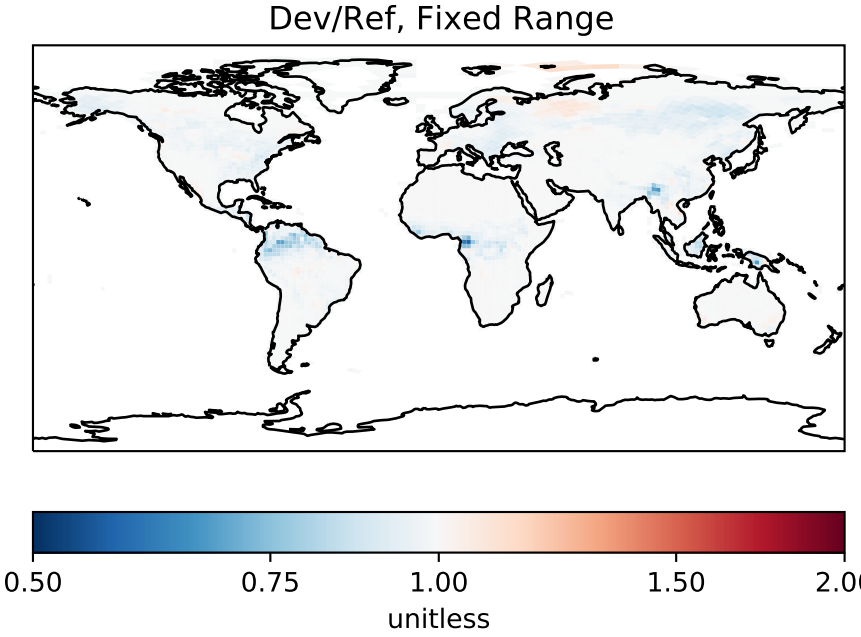
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

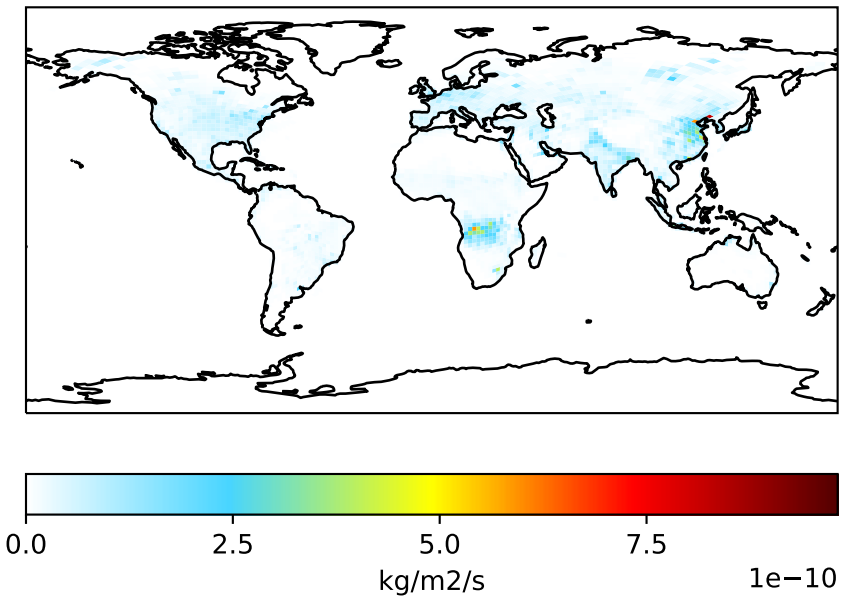


Ratio
Dev/Ref, Fixed Range

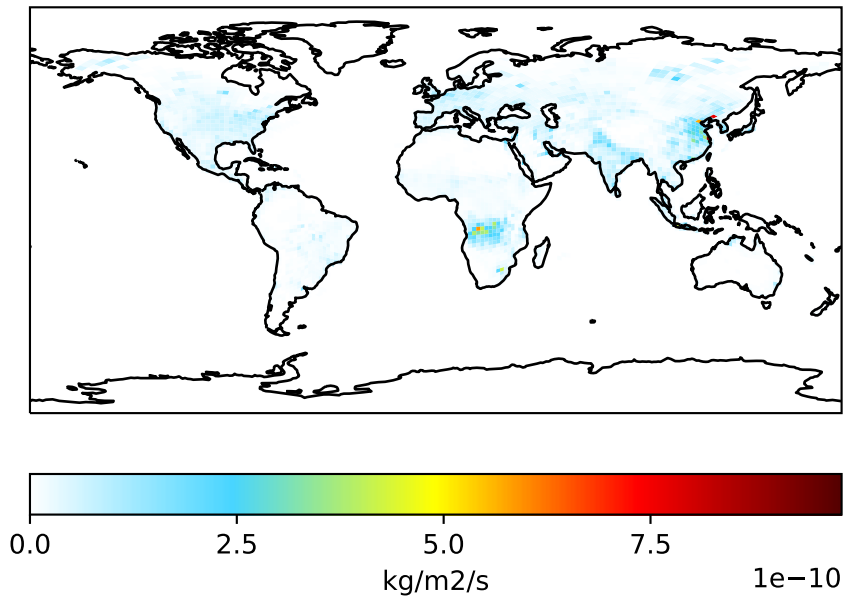


EmisNO_Total

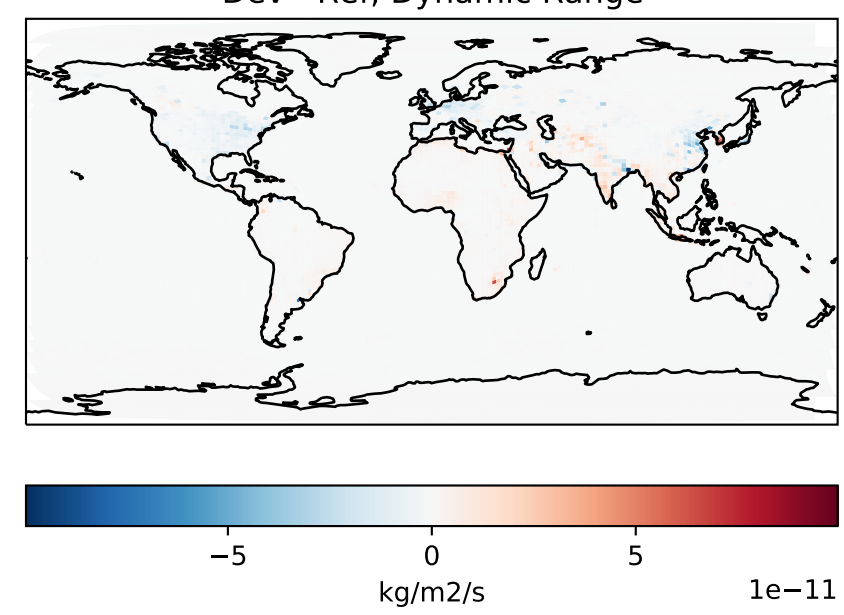
GCHP_13.1.0-beta.1 (Ref)
c48



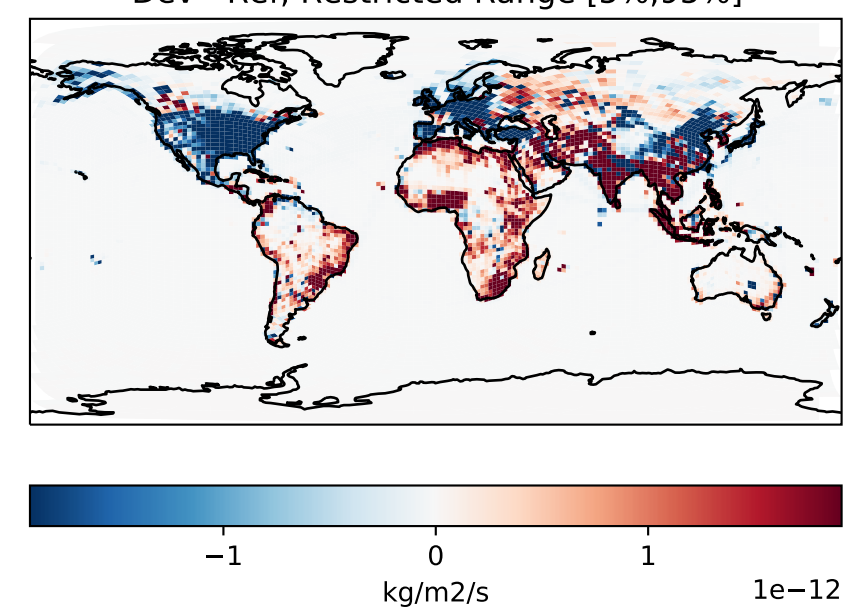
GCHP_13.2.0-beta.0 (Dev)
c48



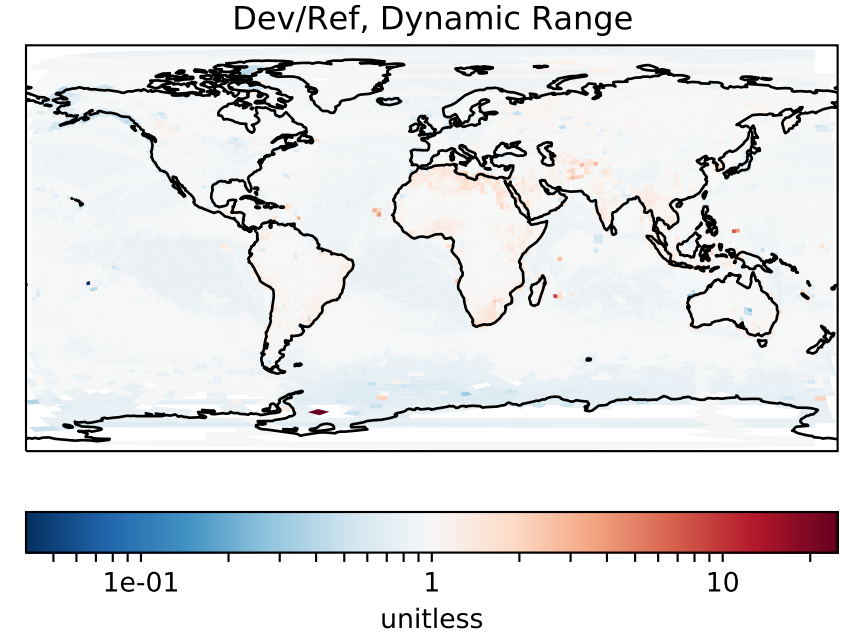
Difference
Dev - Ref, Dynamic Range



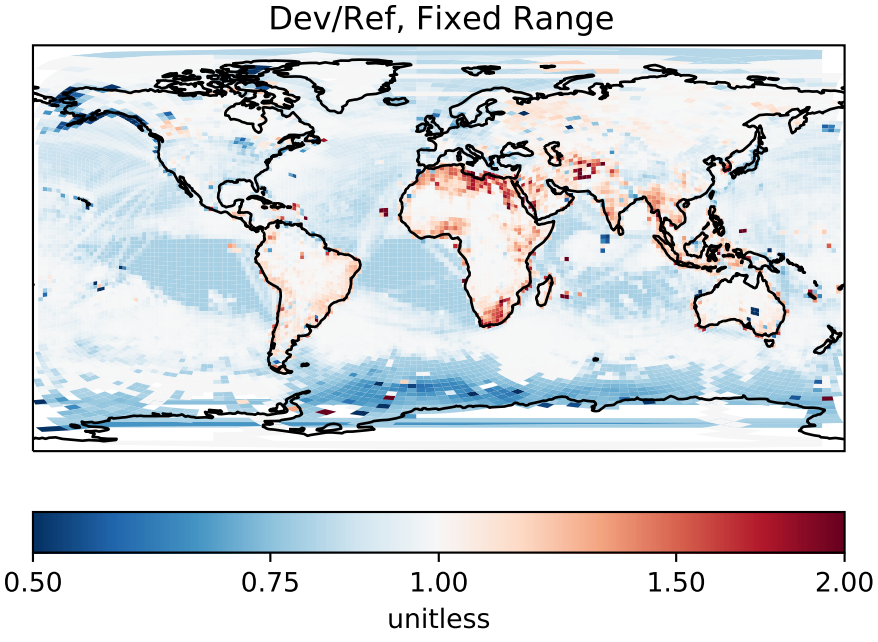
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

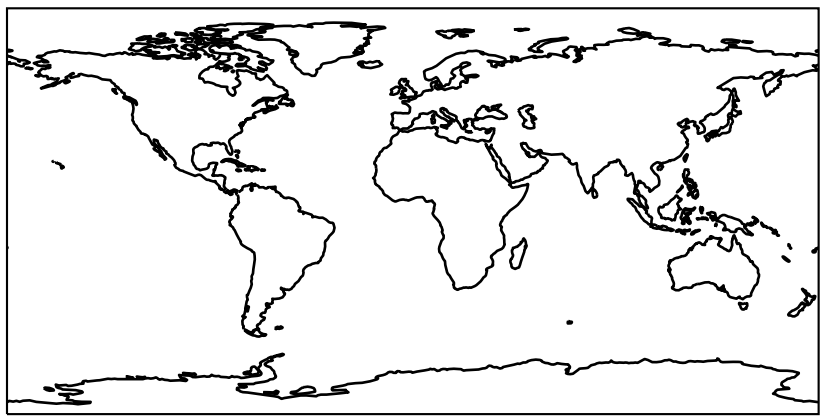


Ratio
Dev/Ref, Fixed Range



EmisNO2_Anthro

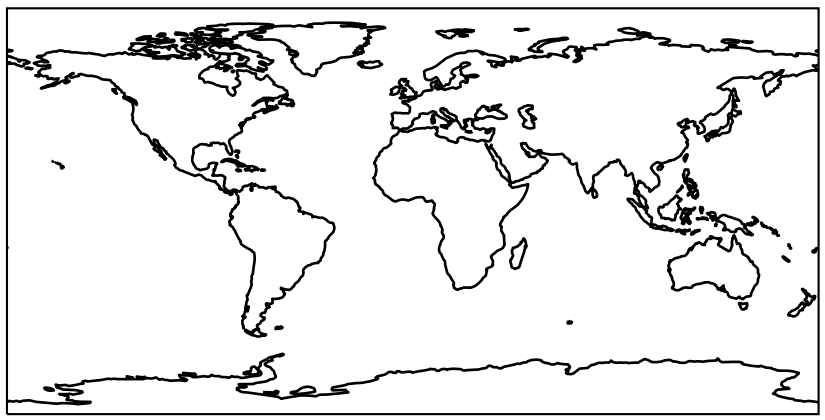
GCHP_13.1.0-beta.1 (Ref)
c48





Zero throughout domain
kg/m2/s

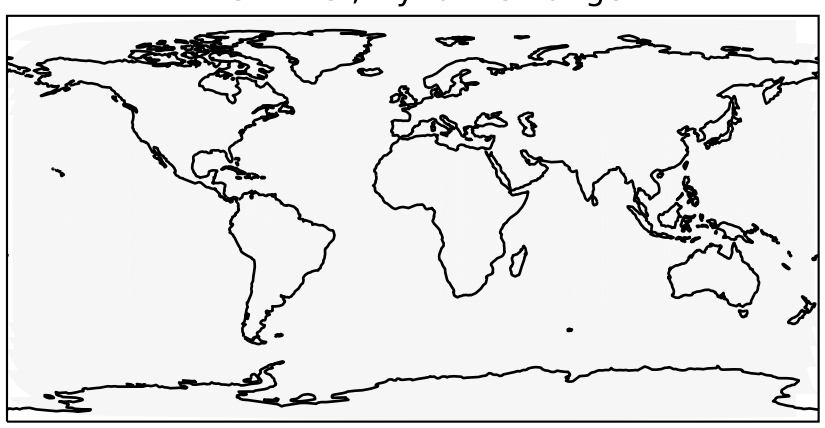
GCHP_13.2.0-beta.0 (Dev)
c48





Zero throughout domain
kg/m2/s

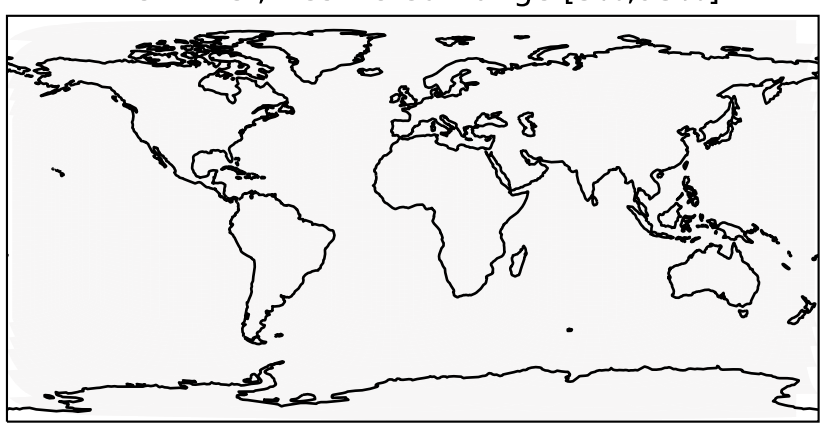
Difference
Dev - Ref, Dynamic Range





Zero throughout domain
kg/m2/s

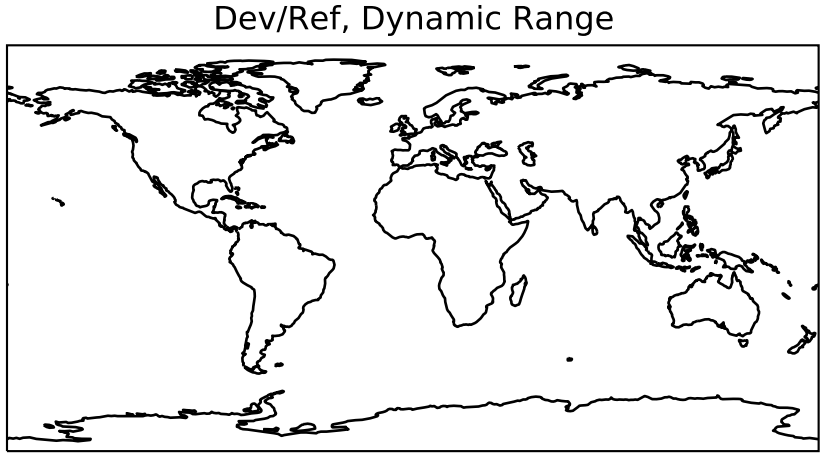
Difference
Dev - Ref, Restricted Range [5%,95%]





Zero throughout domain
kg/m2/s

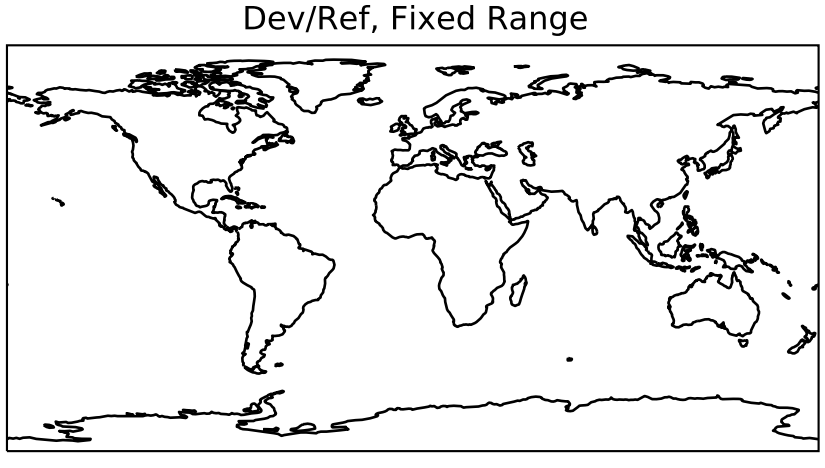
Ratio
Dev/Ref, Dynamic Range





Undefined throughout domain
unitless

Ratio
Dev/Ref, Fixed Range

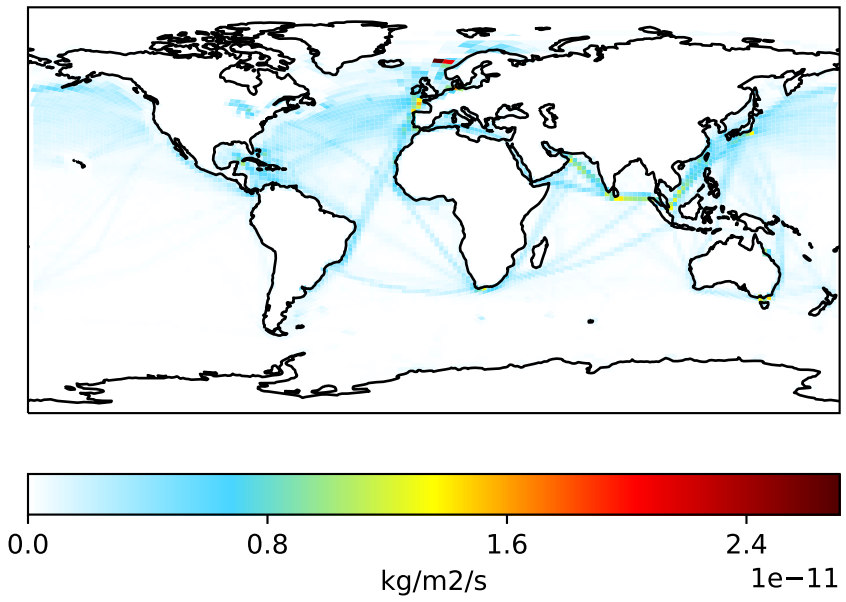




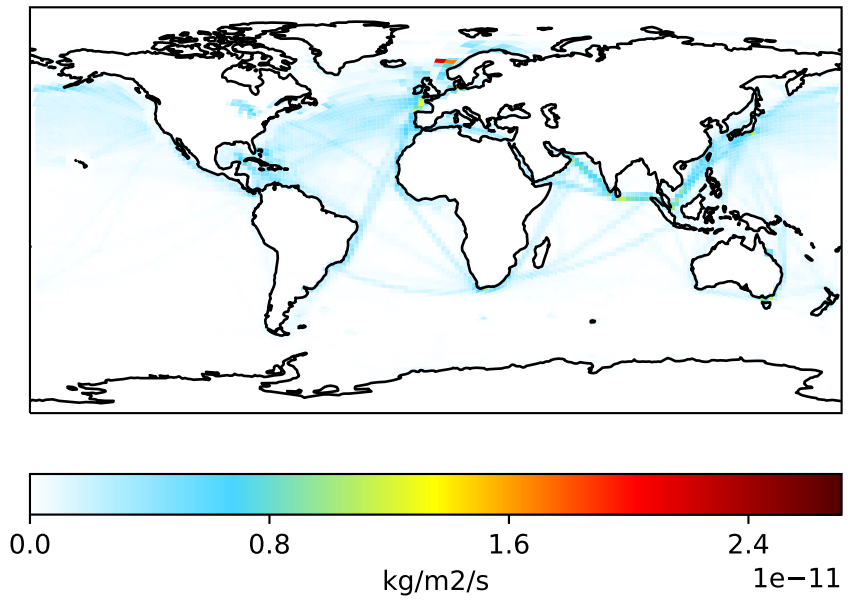
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unitless

EmisNO2_Ship

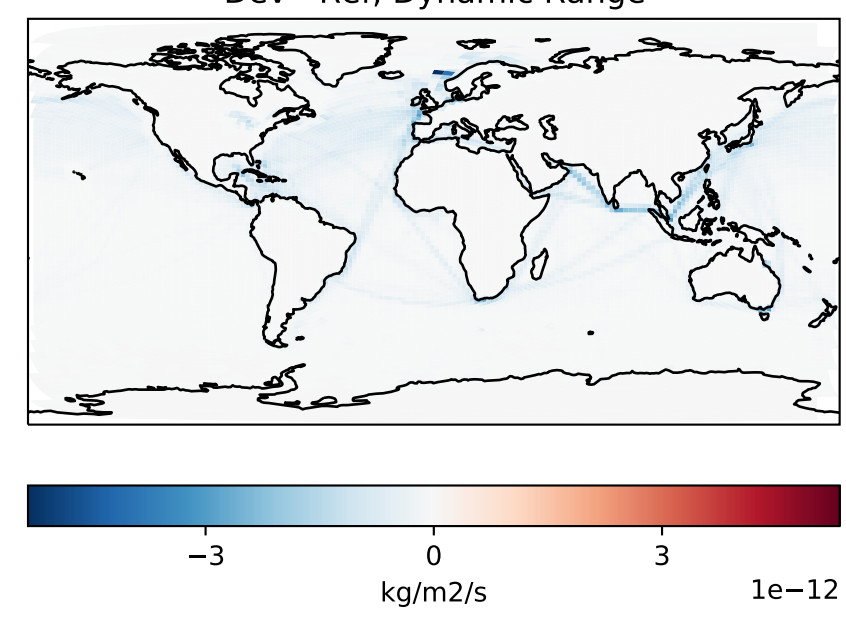
GCHP_13.1.0-beta.1 (Ref)
c48



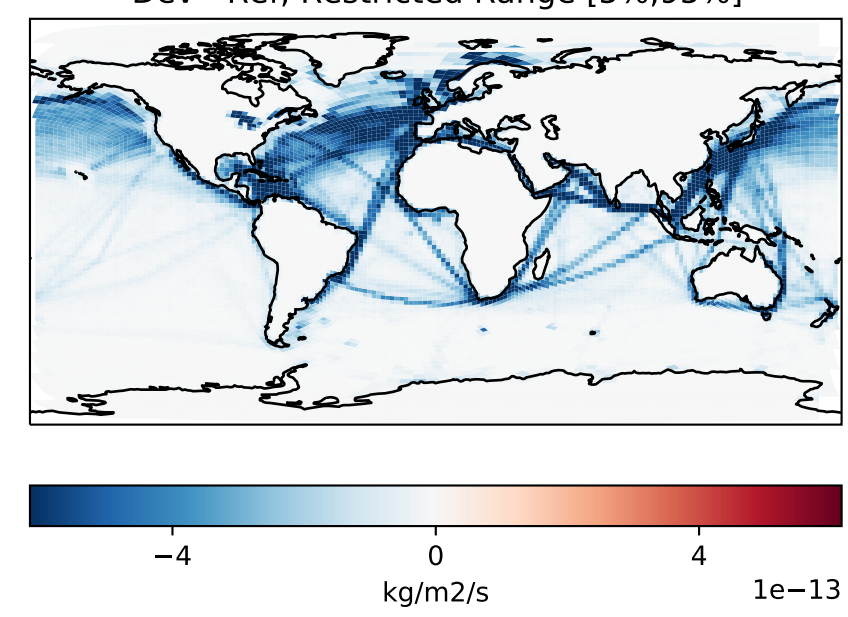
GCHP_13.2.0-beta.0 (Dev)
c48



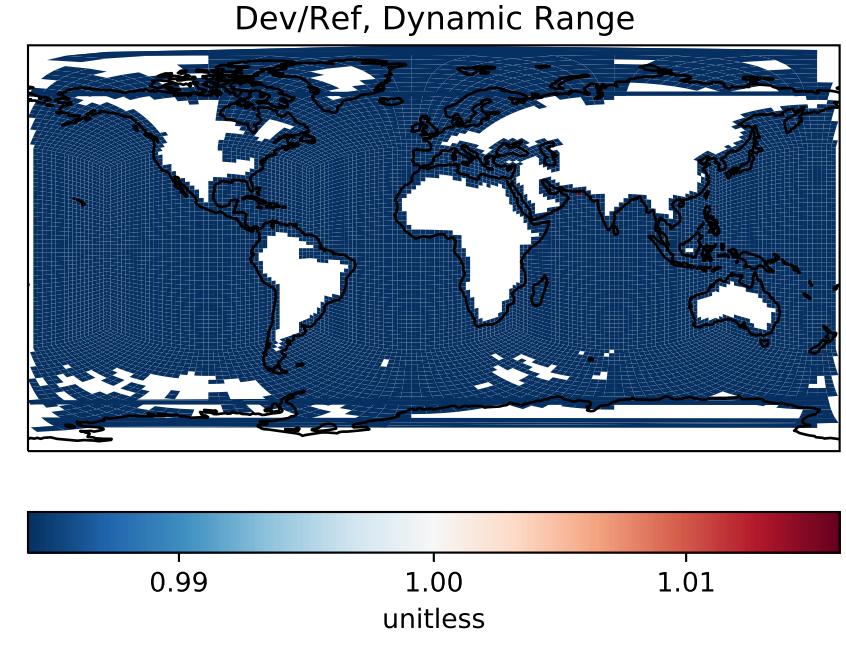
Difference
Dev - Ref, Dynamic Range



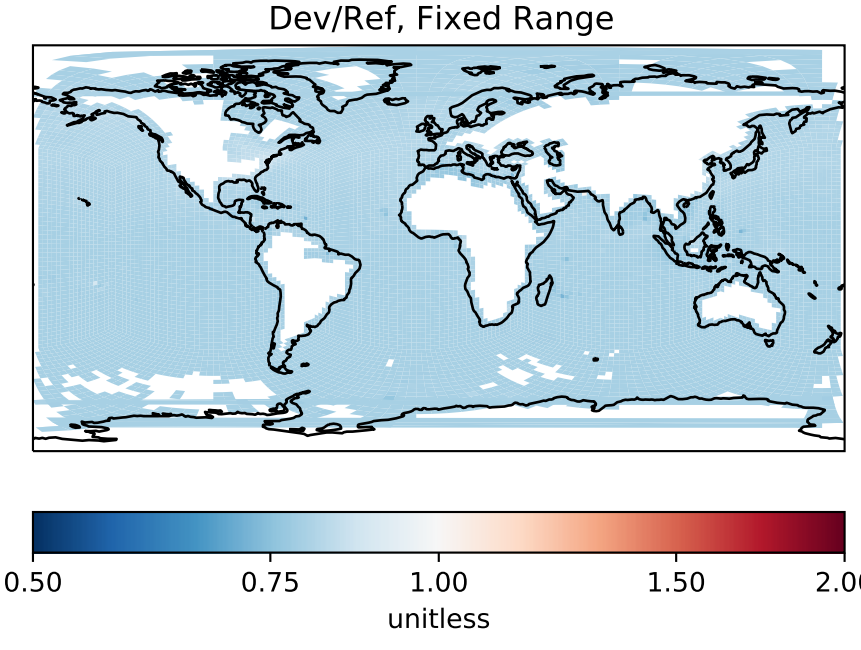
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

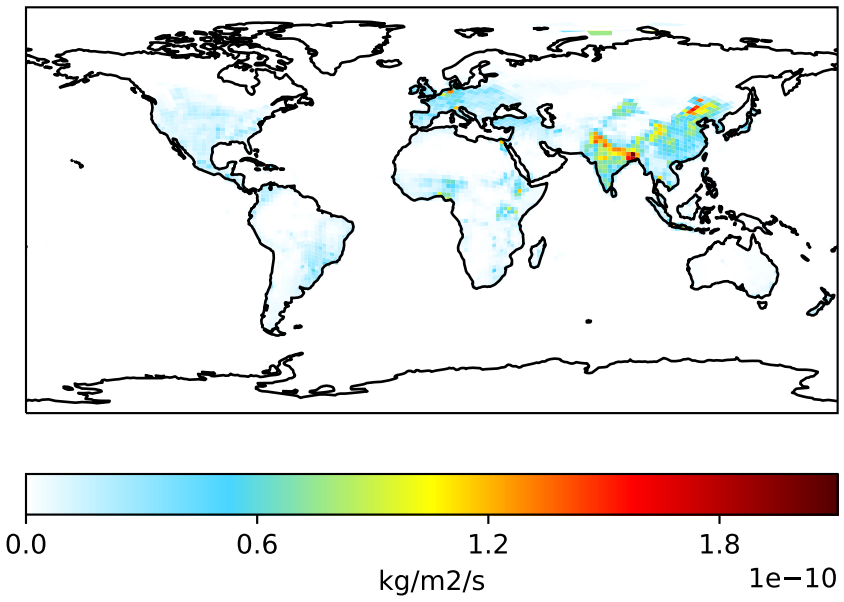


Ratio
Dev/Ref, Fixed Range

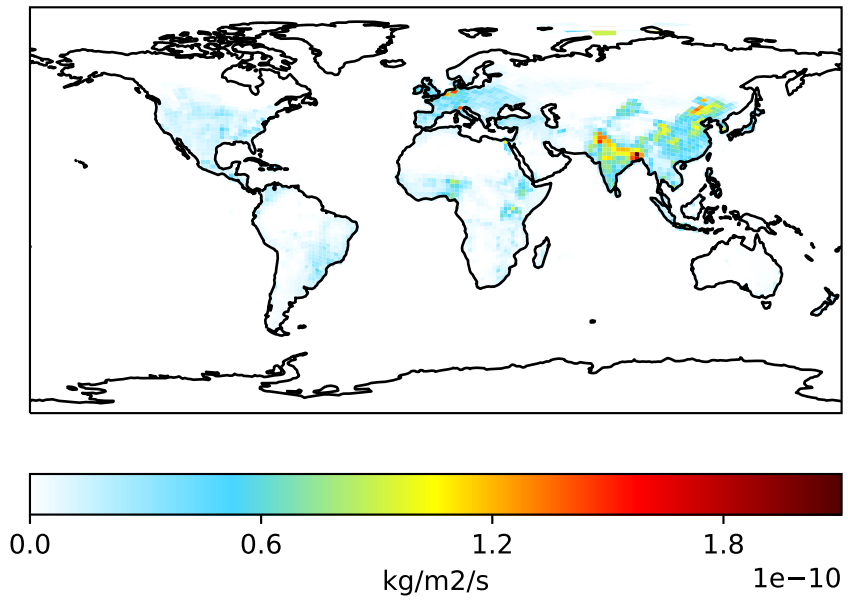


EmisNH3_Anthro

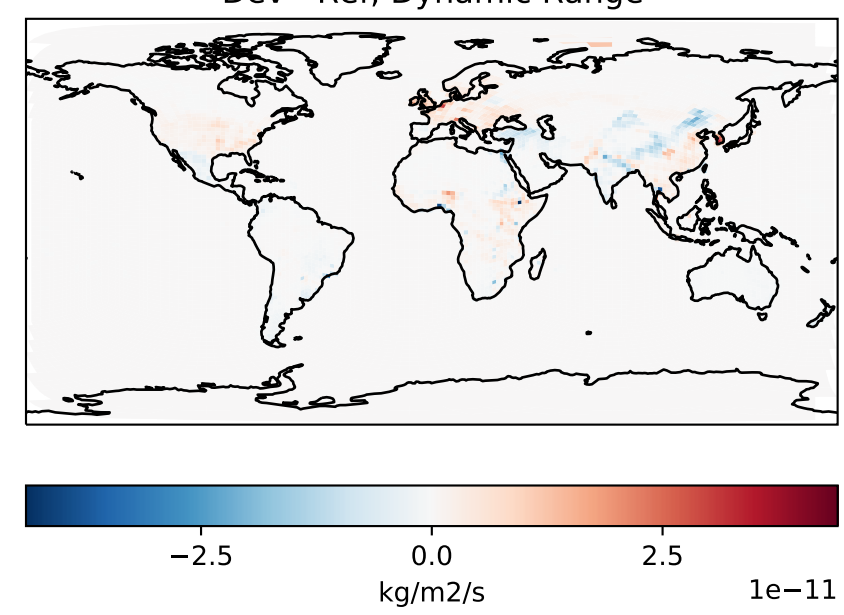
GCHP_13.1.0-beta.1 (Ref)
c48



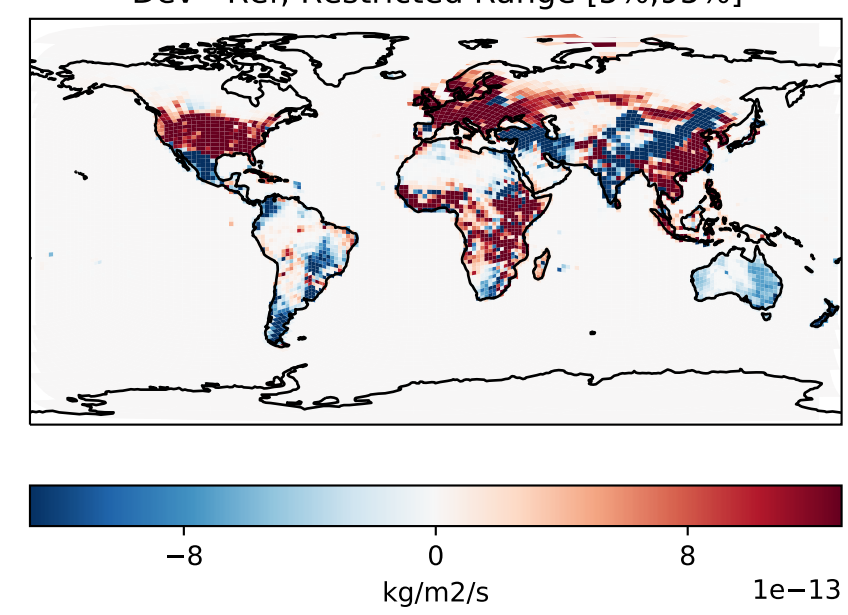
GCHP_13.2.0-beta.0 (Dev)
c48



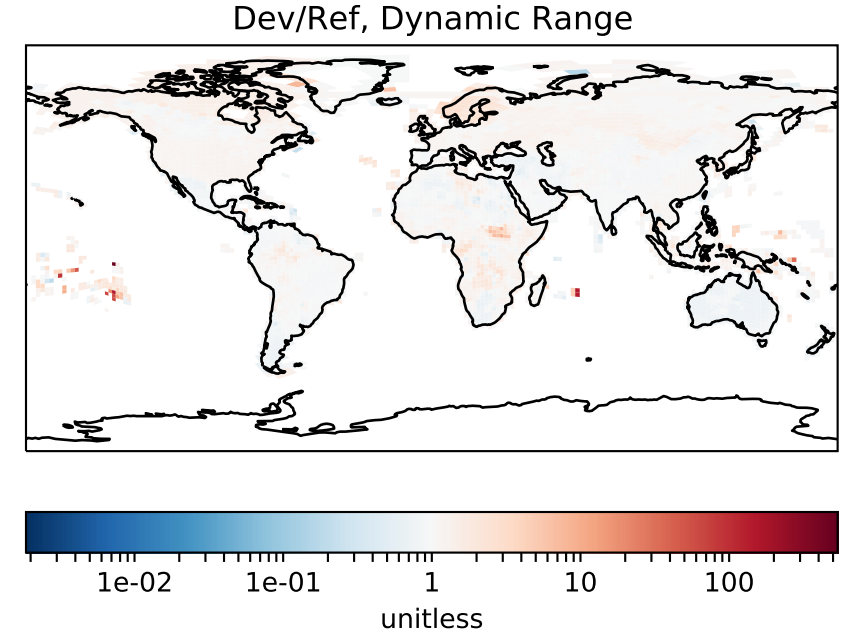
Difference
Dev - Ref, Dynamic Range



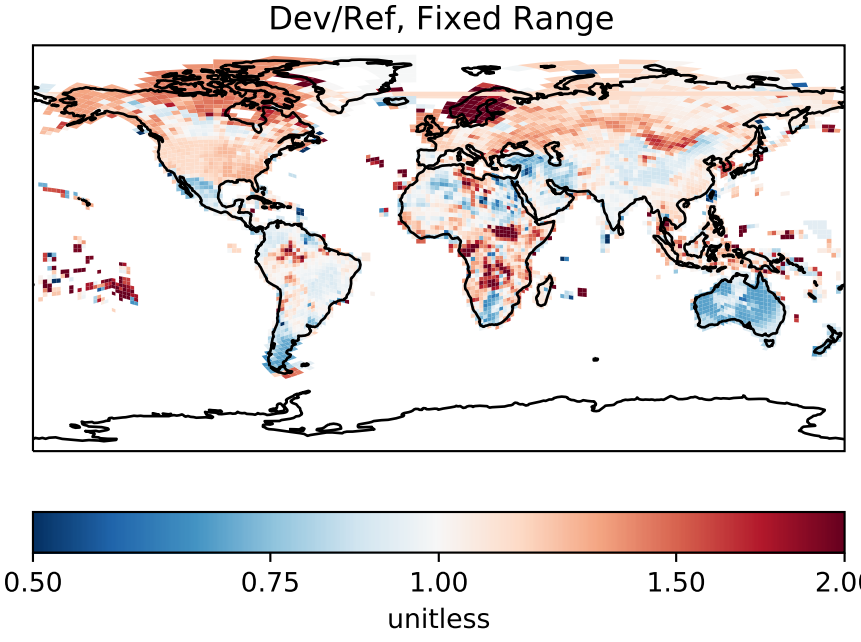
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

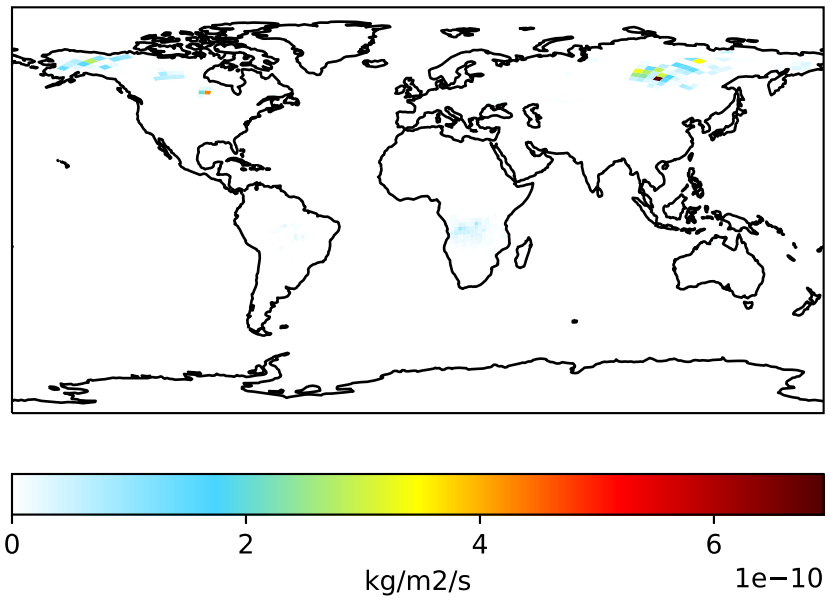


Ratio
Dev/Ref, Fixed Range

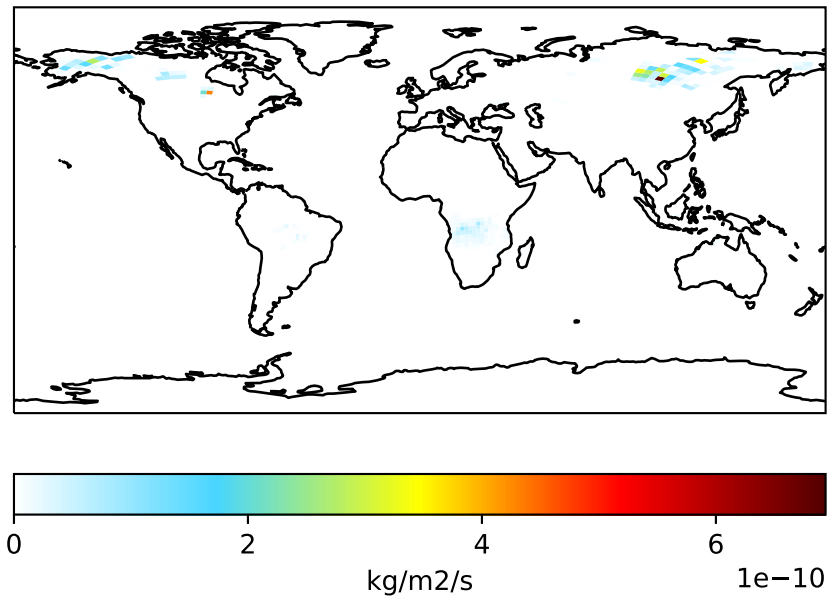


EmisNH3_BioBurn

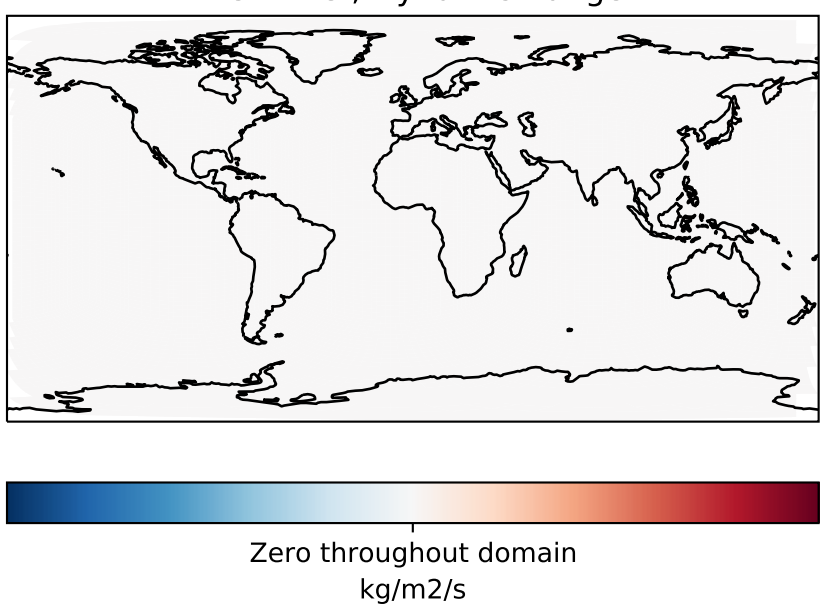
GCHP_13.1.0-beta.1 (Ref)
c48



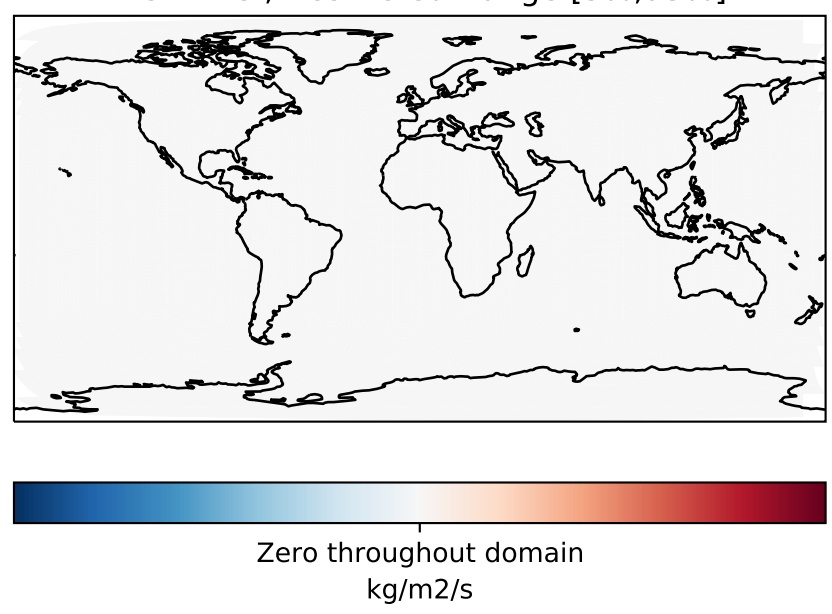
GCHP_13.2.0-beta.0 (Dev)
c48



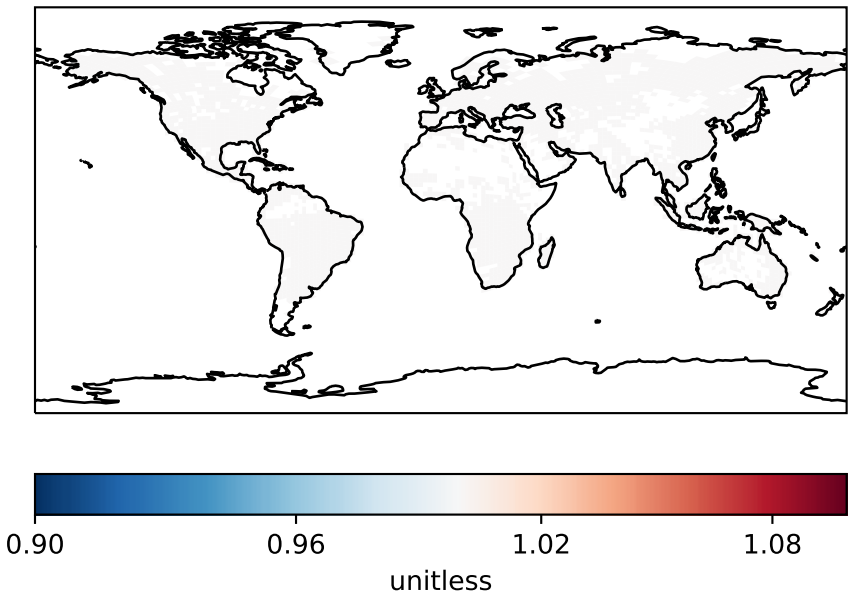
Difference
Dev - Ref, Dynamic Range



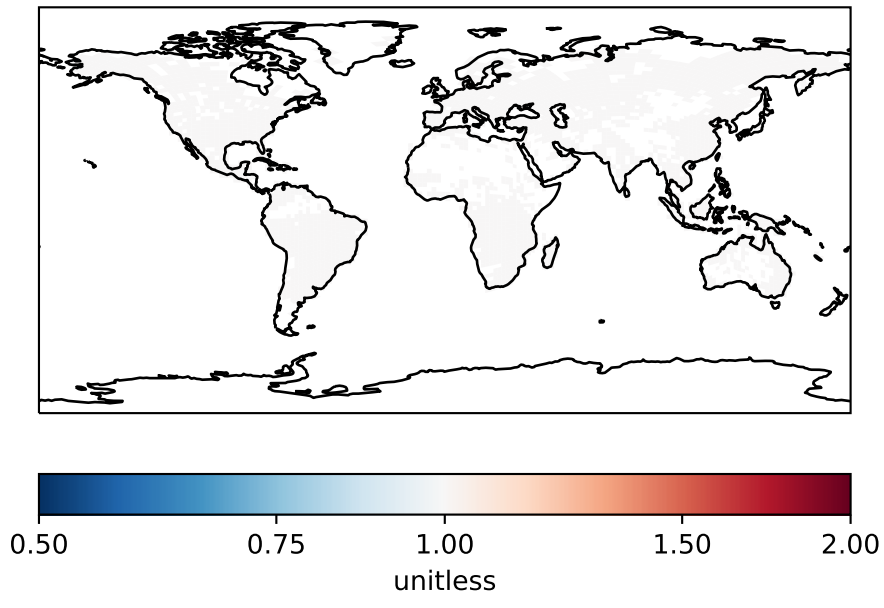
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

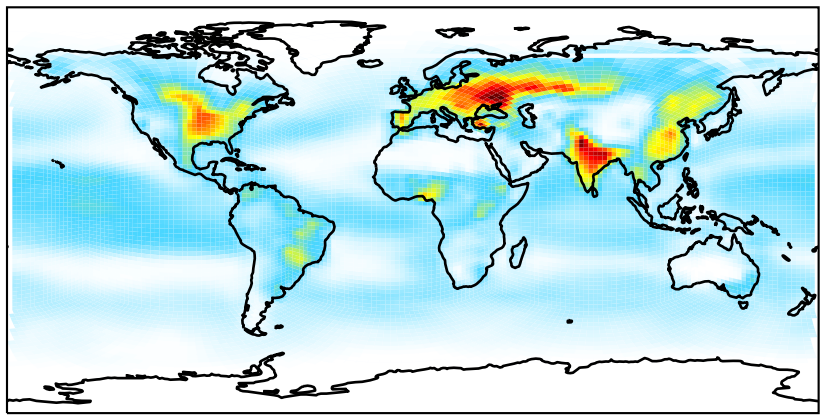


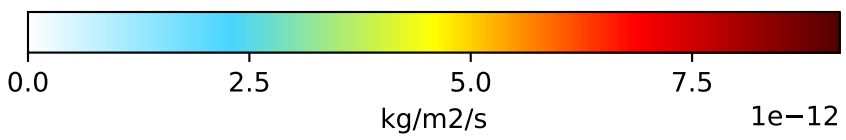
Ratio
Dev/Ref, Fixed Range



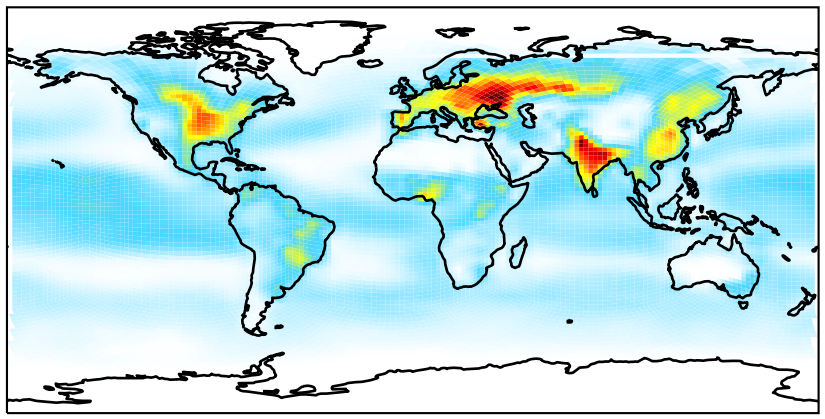
EmisNH3_Natural

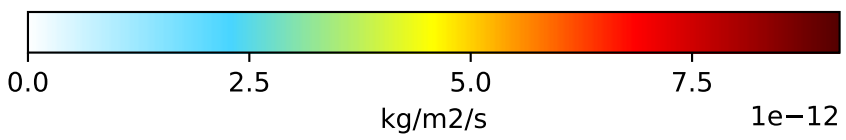
GCHP_13.1.0-beta.1 (Ref)
c48



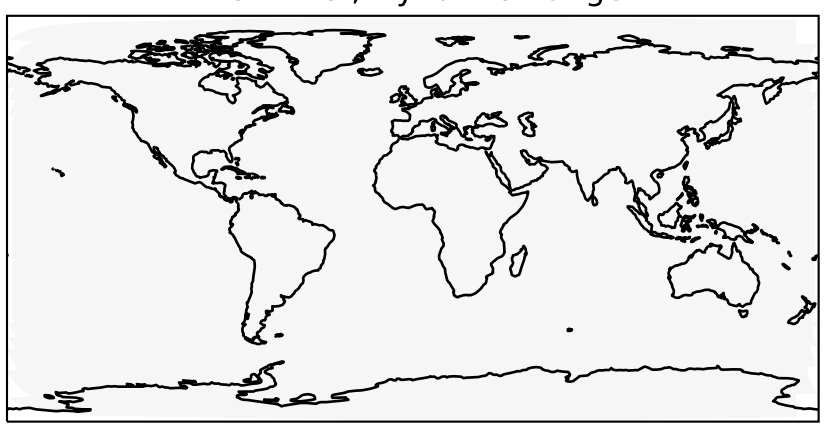


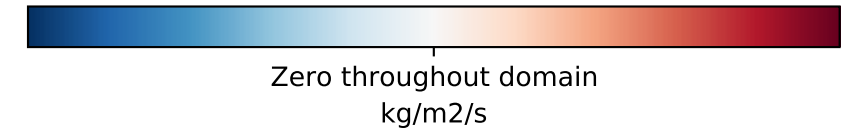
GCHP_13.2.0-beta.0 (Dev)
c48



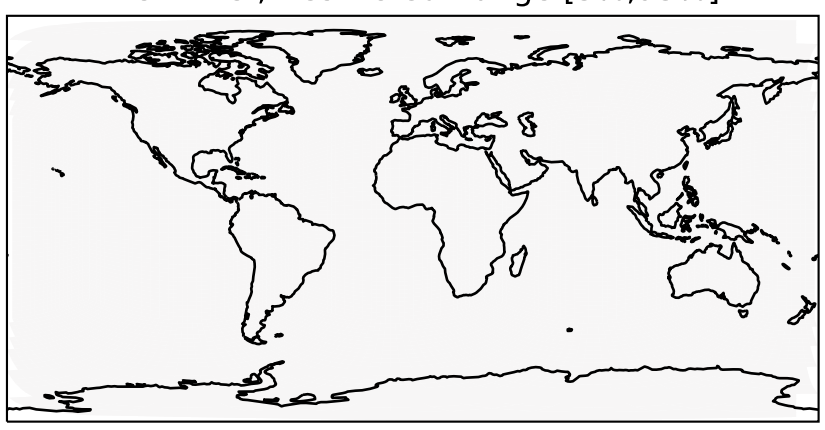


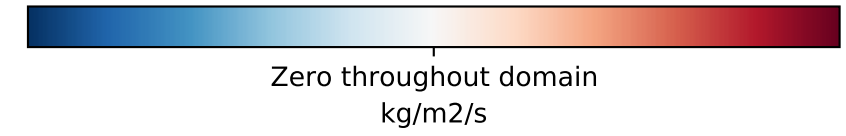
Difference
Dev - Ref, Dynamic Range



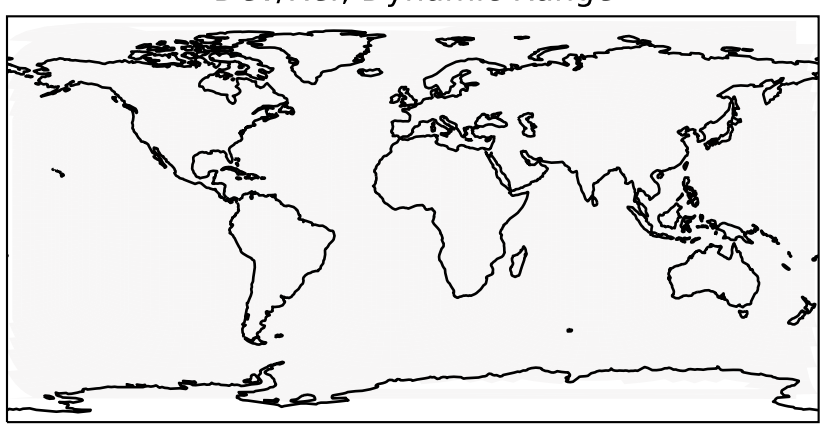


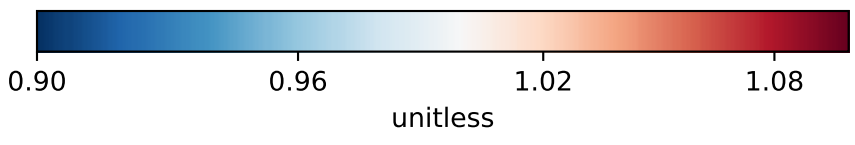
Difference
Dev - Ref, Restricted Range [5%,95%]



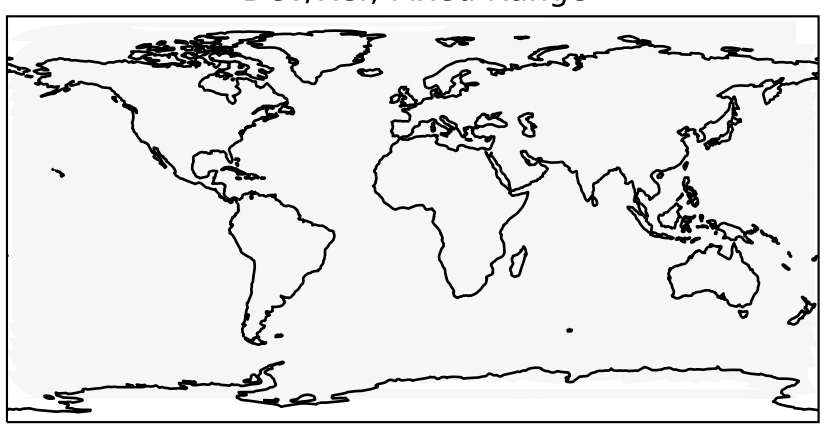


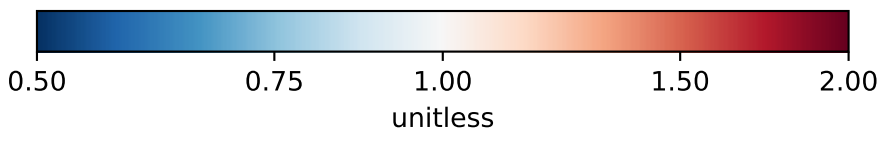
Ratio
Dev/Ref, Dynamic Range





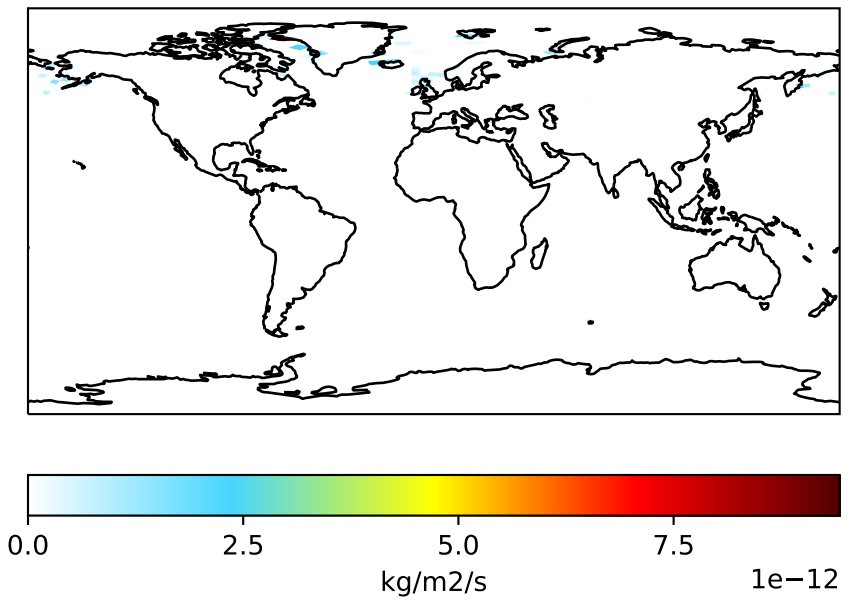
Ratio
Dev/Ref, Fixed Range



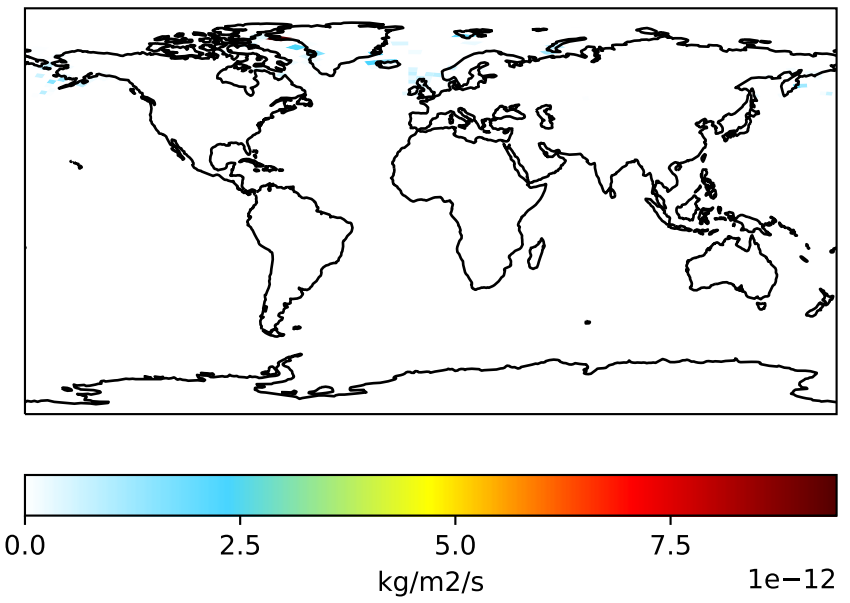


EmisNH3_Seabirds

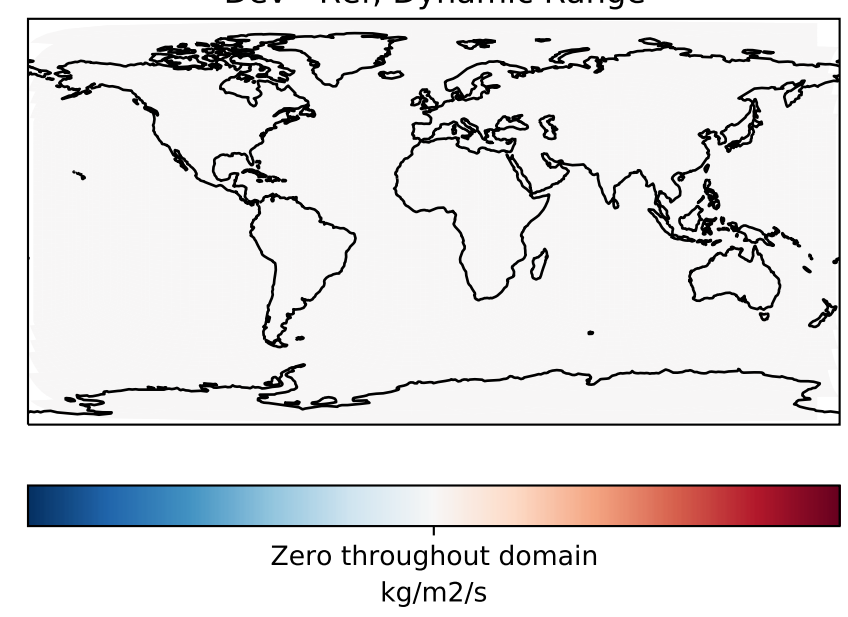
GCHP_13.1.0-beta.1 (Ref)
c48



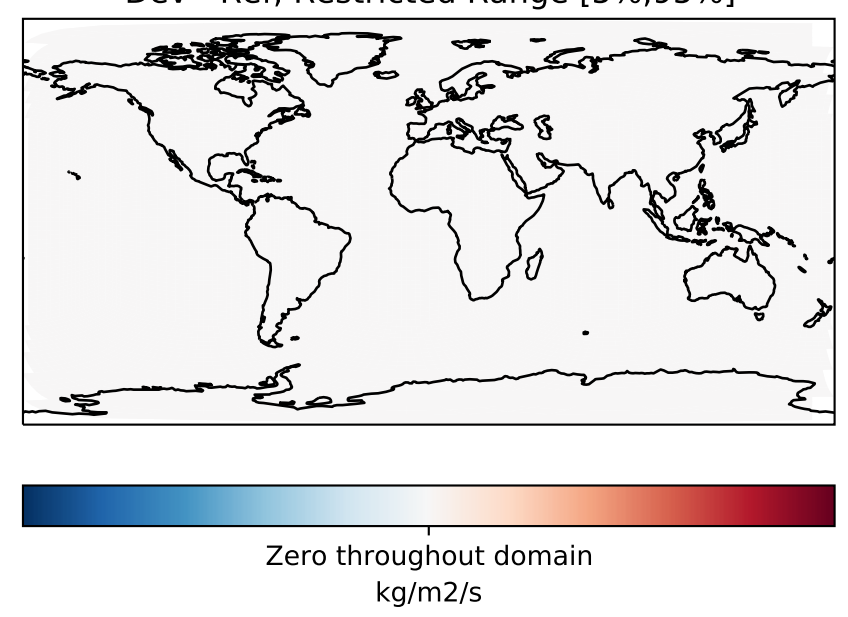
GCHP_13.2.0-beta.0 (Dev)
c48



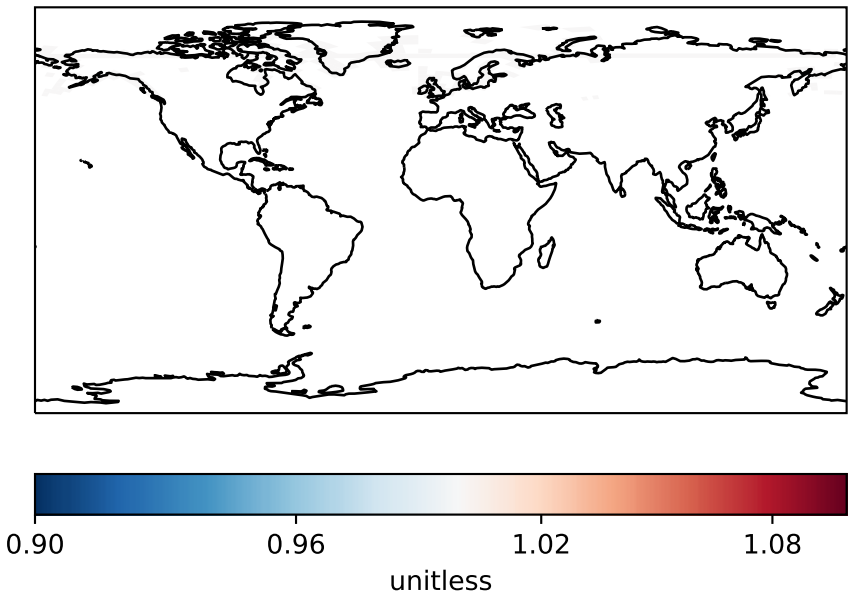
Difference
Dev - Ref, Dynamic Range



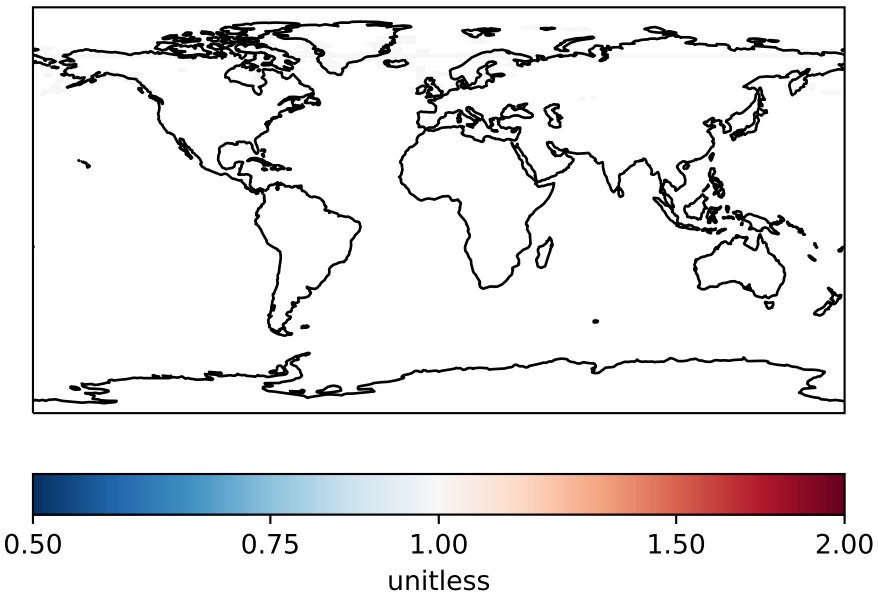
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

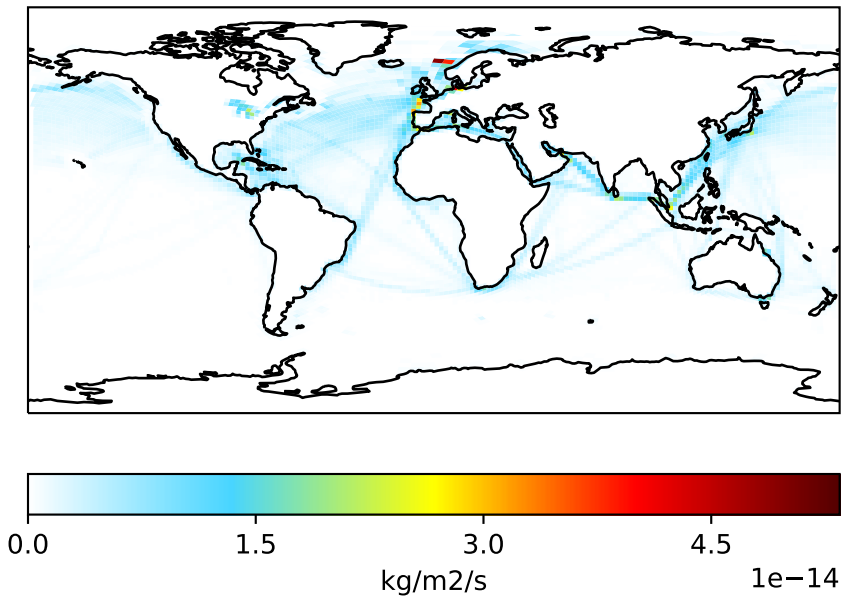


Ratio
Dev/Ref, Fixed Range

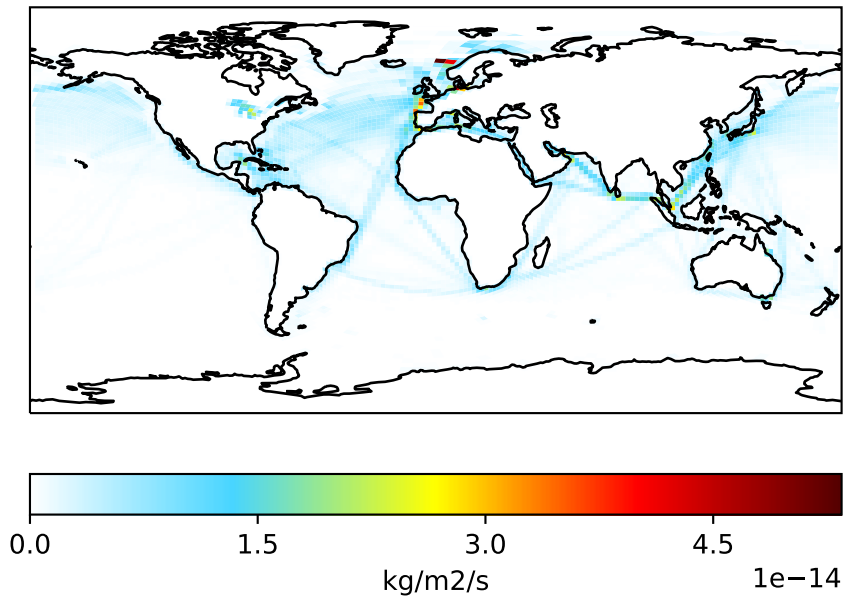


EmisNH3_Ship

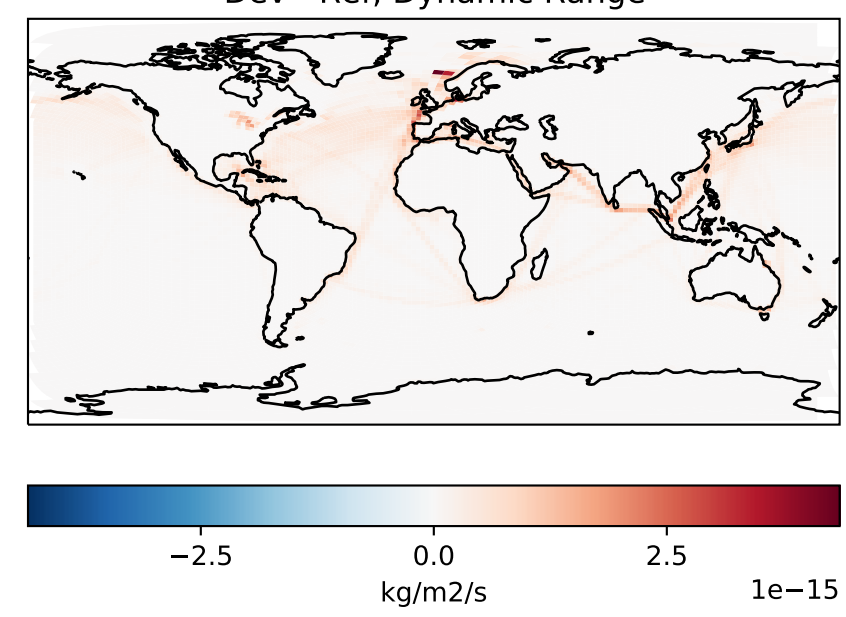
GCHP_13.1.0-beta.1 (Ref)
c48



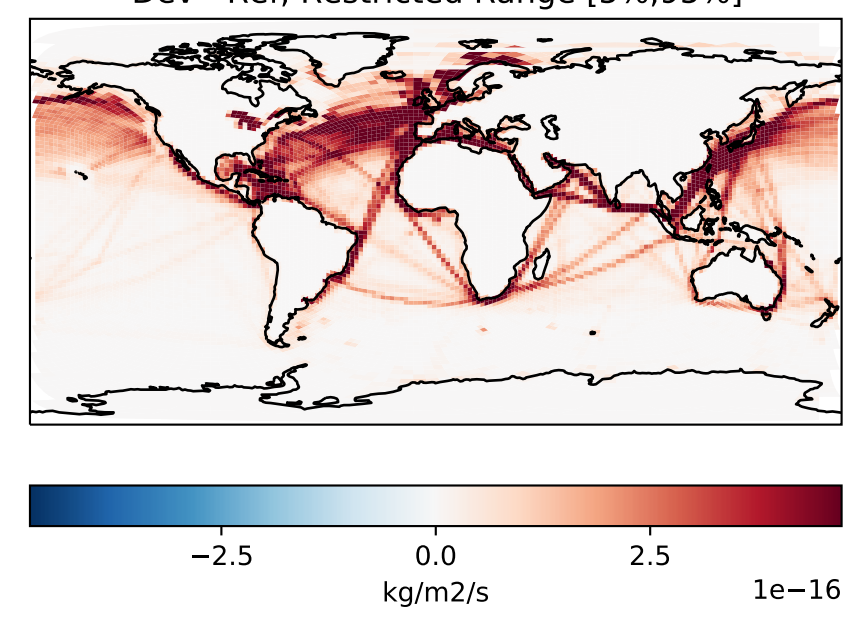
GCHP_13.2.0-beta.0 (Dev)
c48



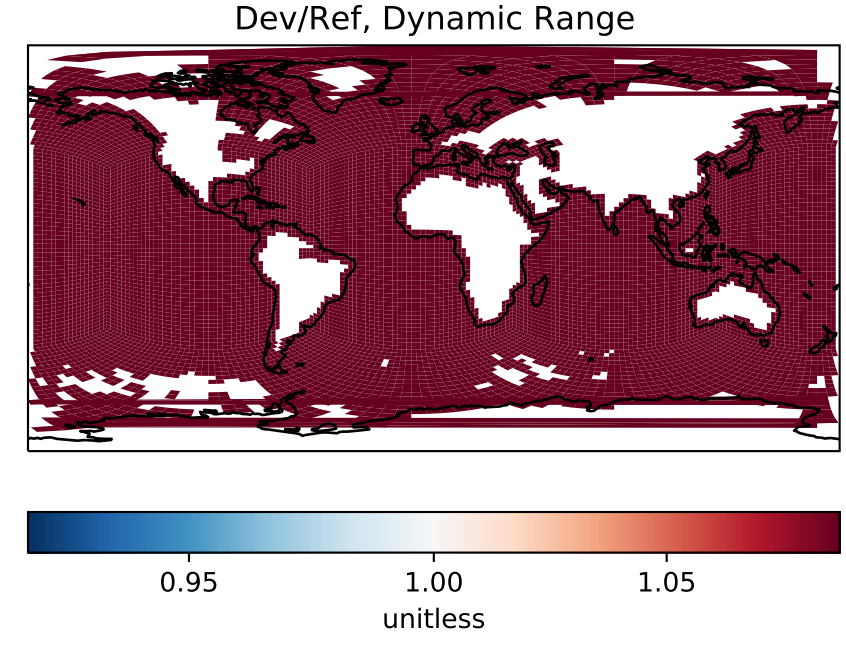
Difference
Dev - Ref, Dynamic Range



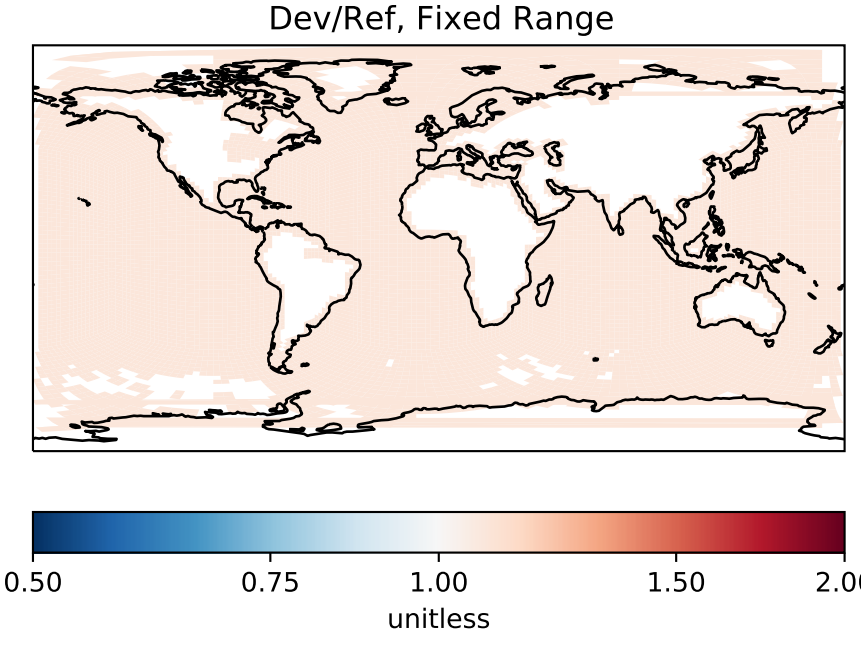
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

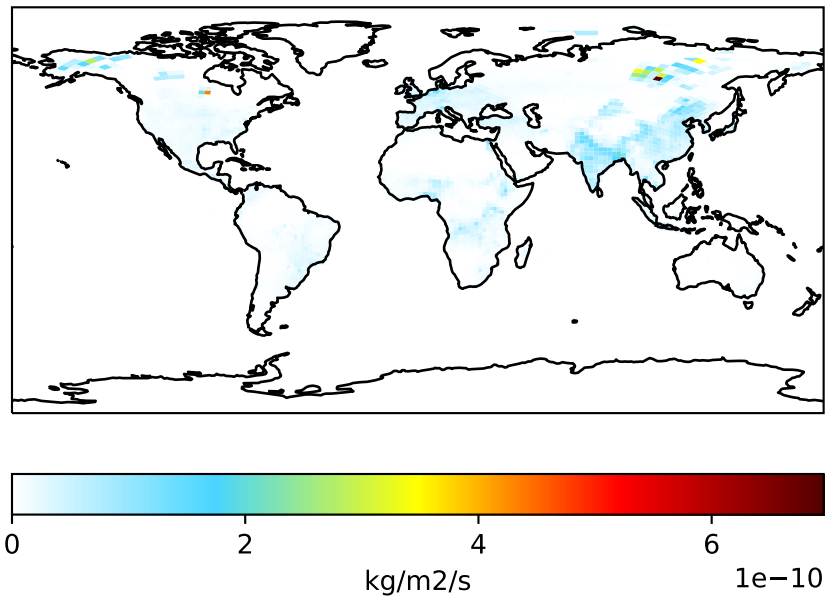


Ratio
Dev/Ref, Fixed Range

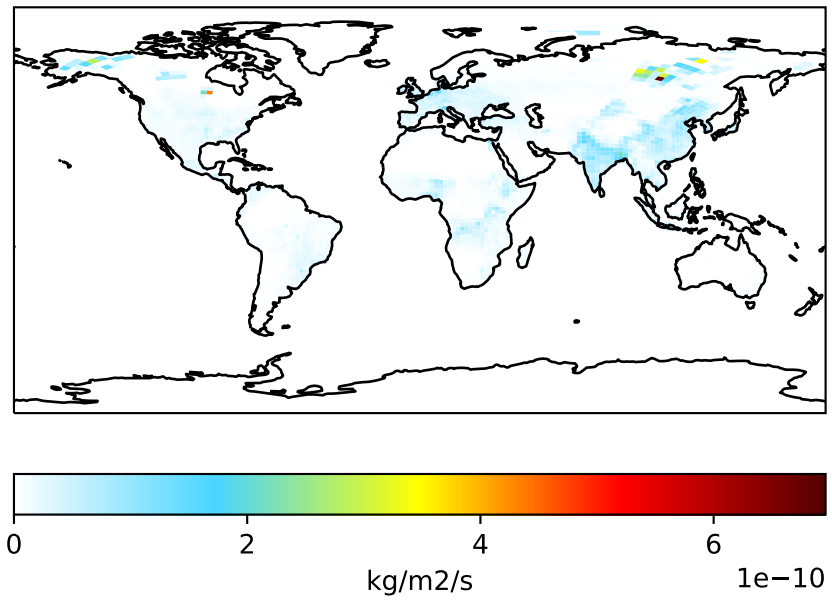


EmisNH3_Total

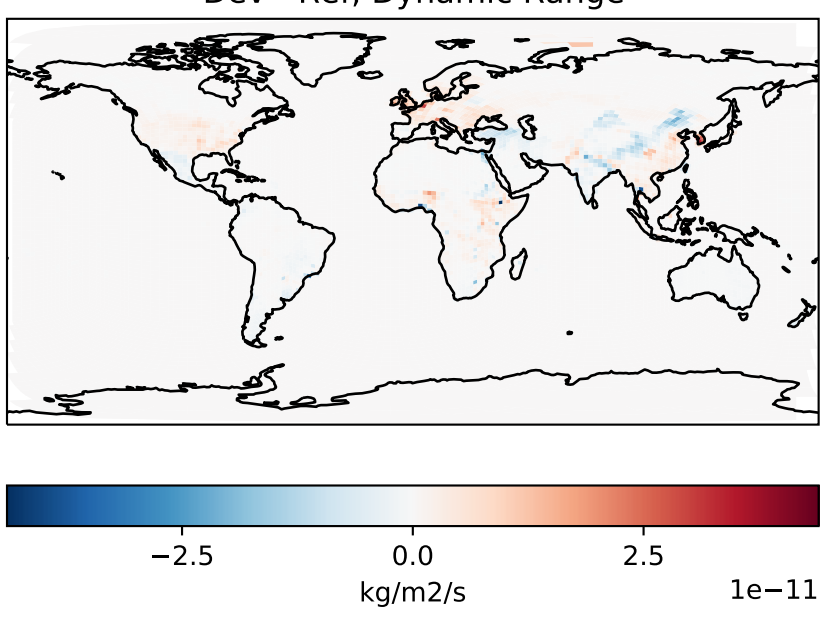
GCHP_13.1.0-beta.1 (Ref)
c48



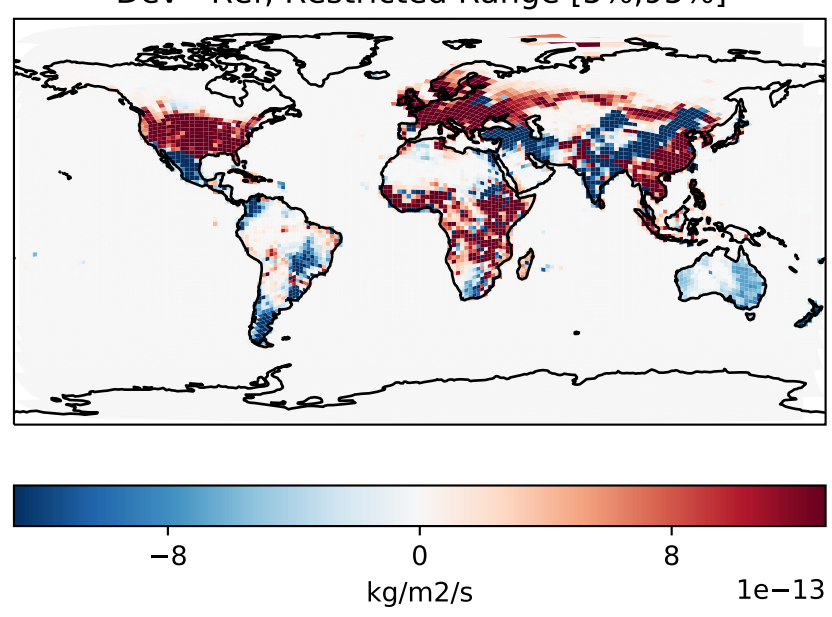
GCHP_13.2.0-beta.0 (Dev)
c48



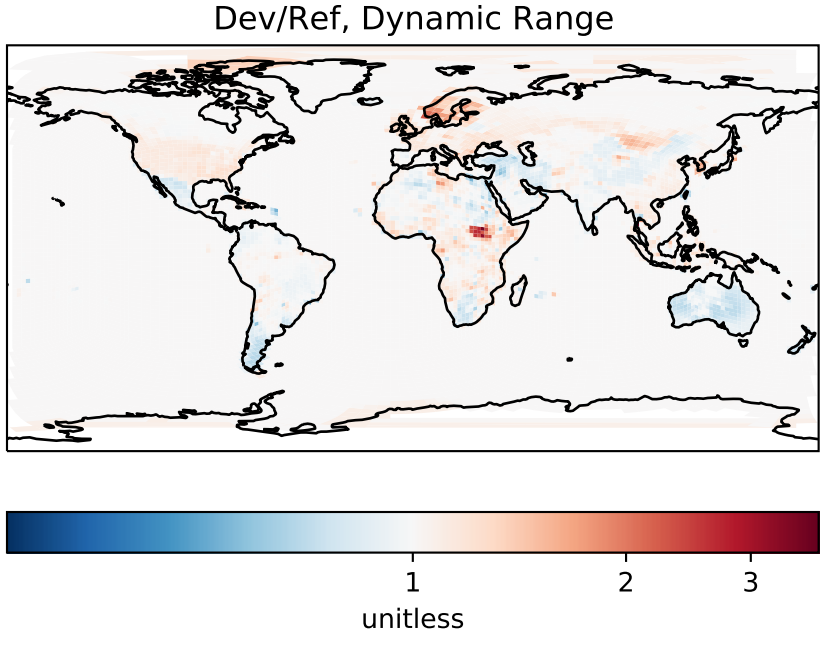
Difference
Dev - Ref, Dynamic Range



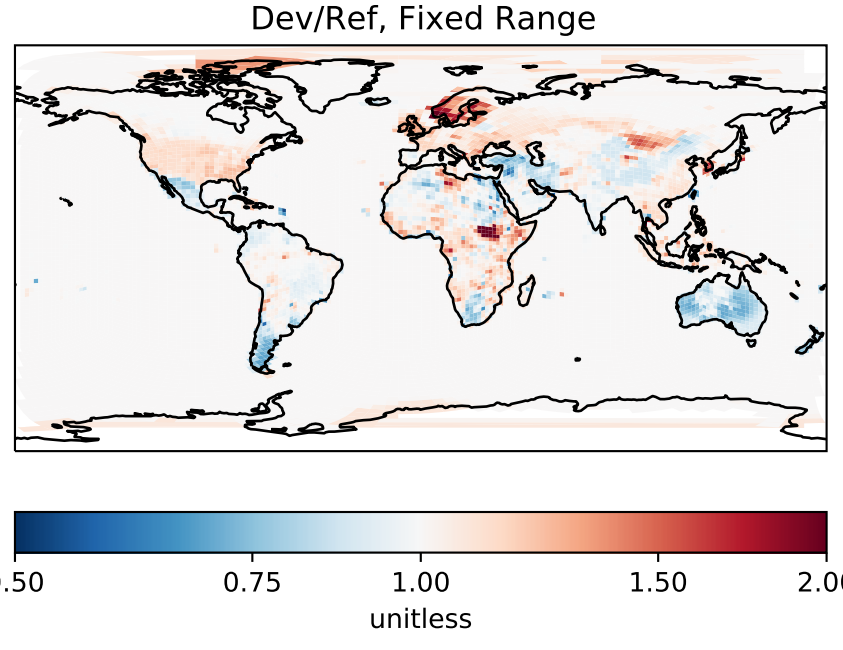
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

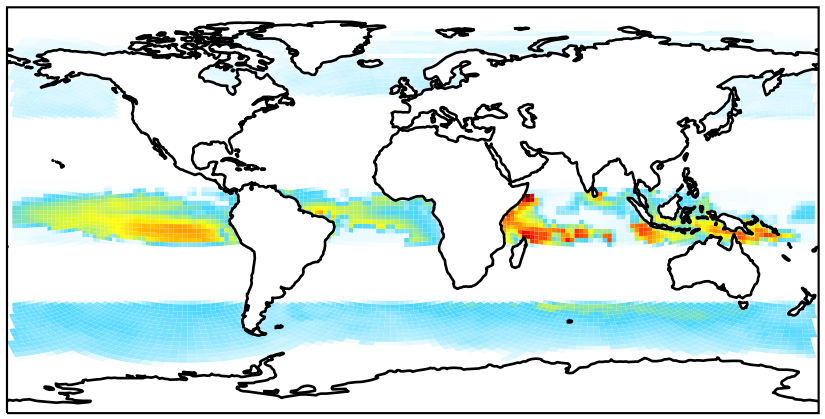


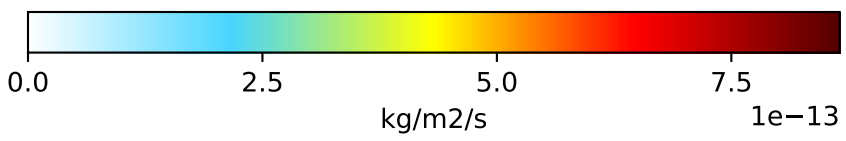
Ratio
Dev/Ref, Fixed Range



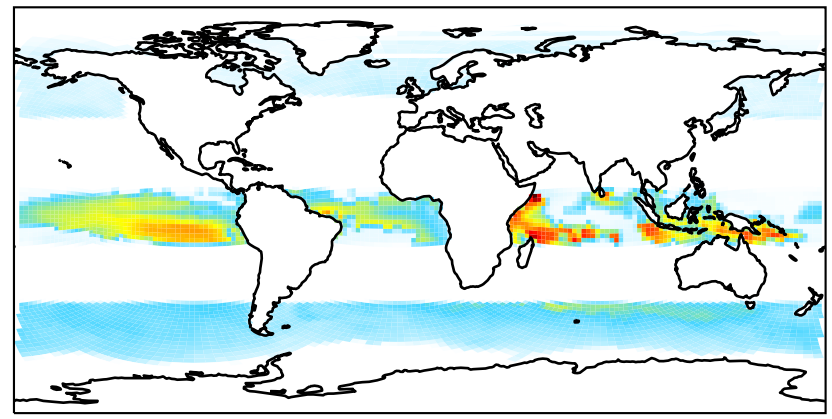
EmisMENO3_Ocean

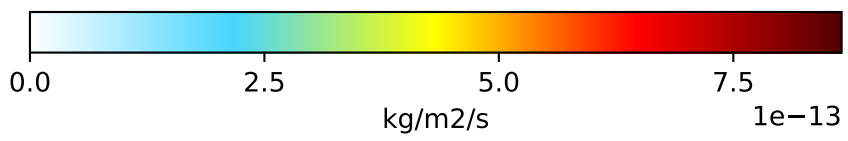
GCHP_13.1.0-beta.1 (Ref)
c48



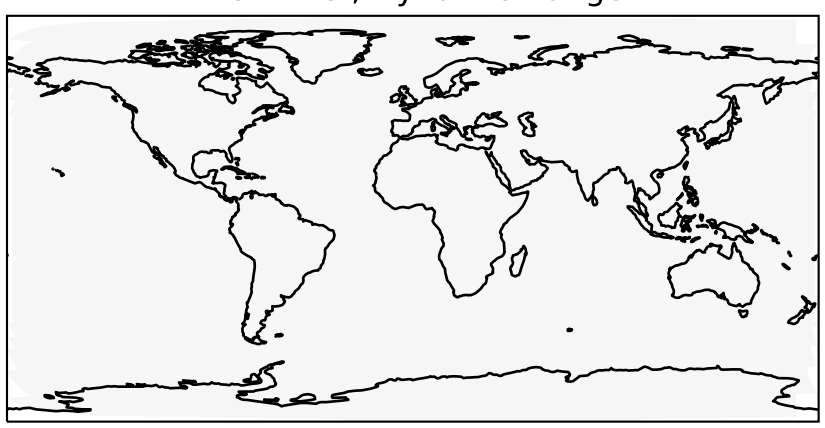


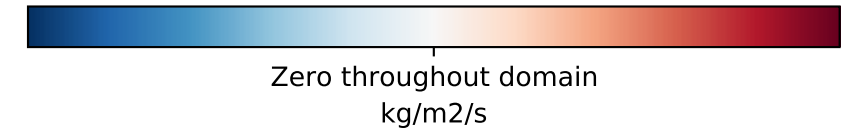
GCHP_13.2.0-beta.0 (Dev)
c48



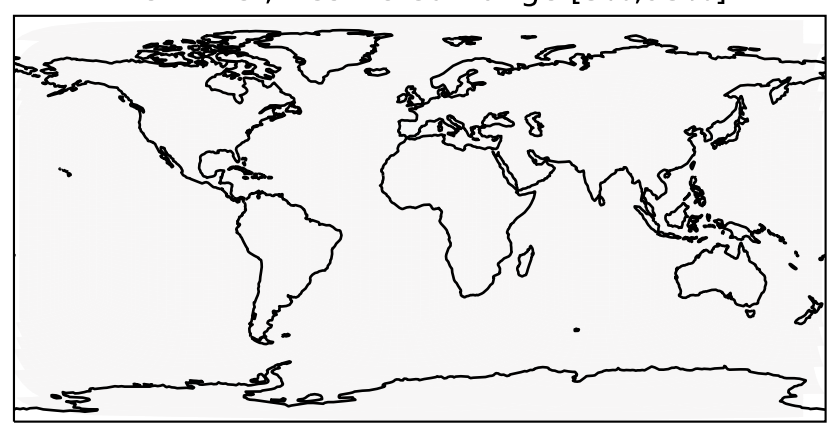


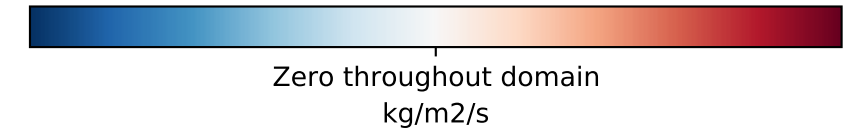
Difference
Dev - Ref, Dynamic Range



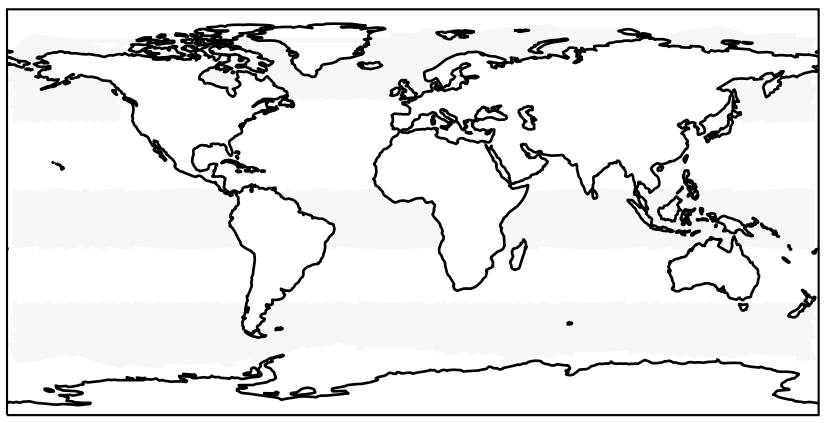


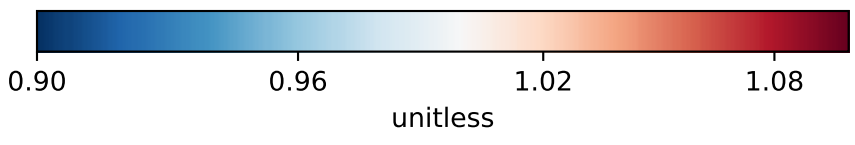
Difference
Dev - Ref, Restricted Range [5%,95%]



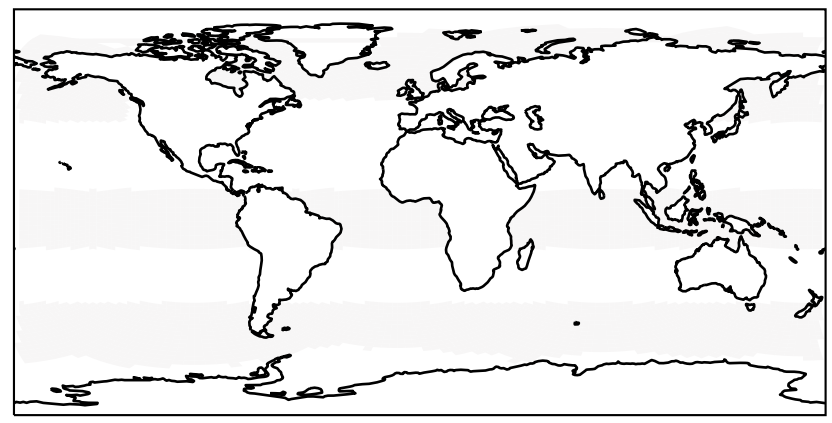


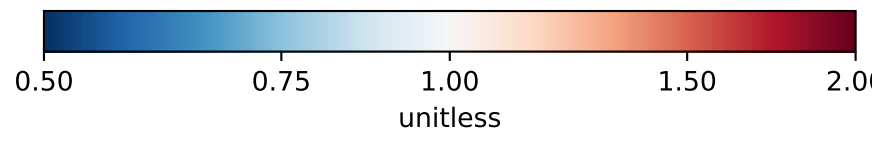
Ratio
Dev/Ref, Dynamic Range





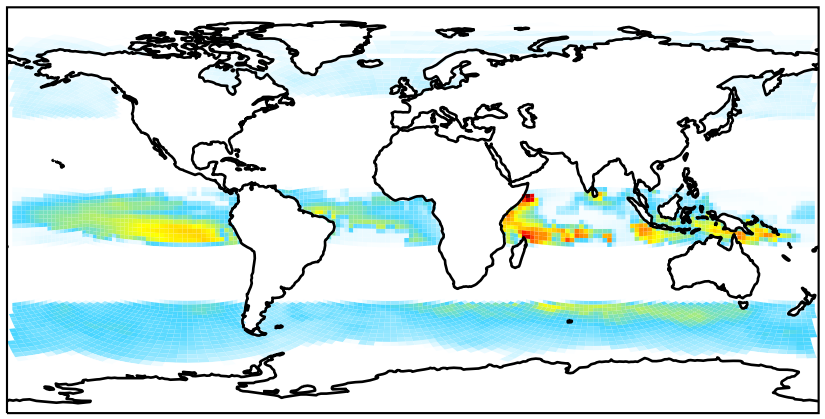
Ratio
Dev/Ref, Fixed Range

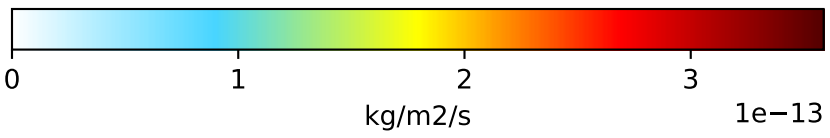




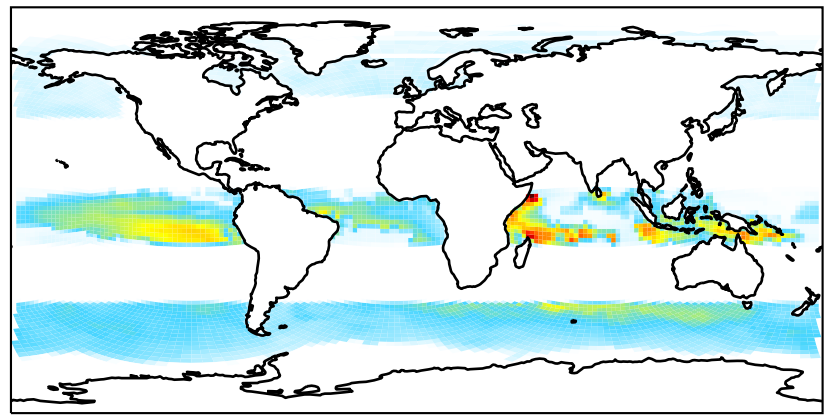
EmisETNO3_Ocean

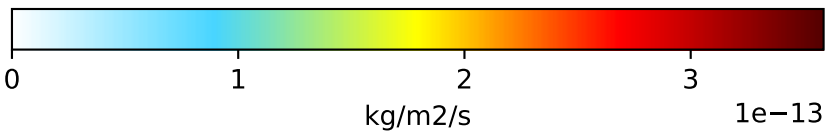
GCHP_13.1.0-beta.1 (Ref)
c48



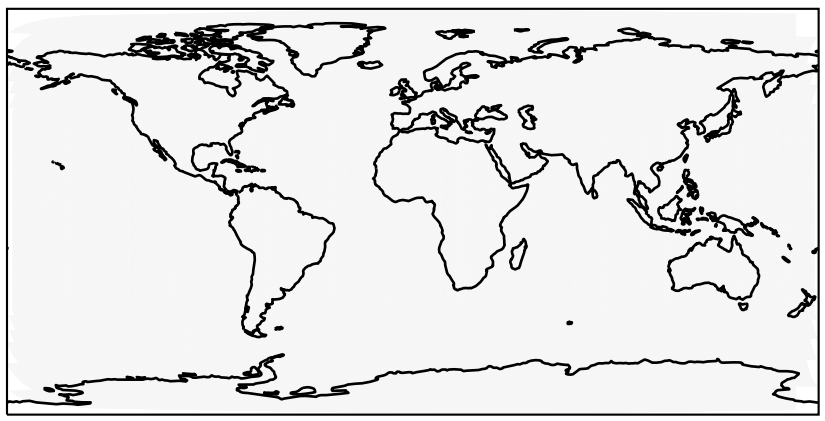


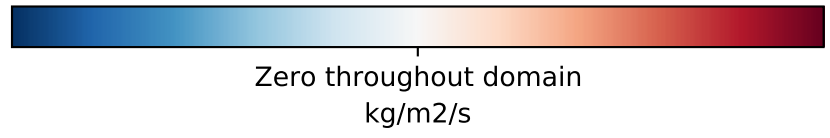
GCHP_13.2.0-beta.0 (Dev)
c48



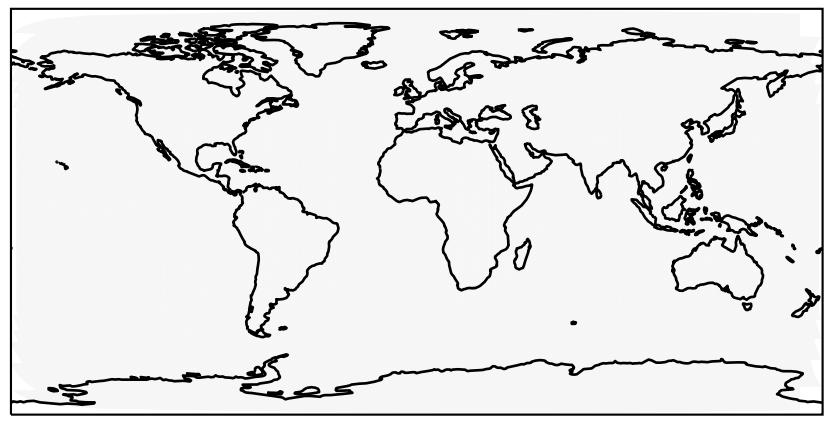


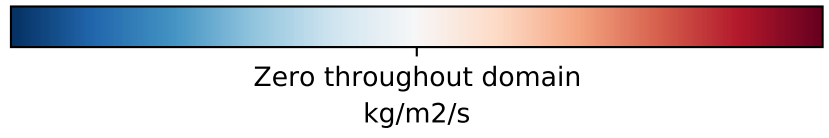
Difference
Dev - Ref, Dynamic Range



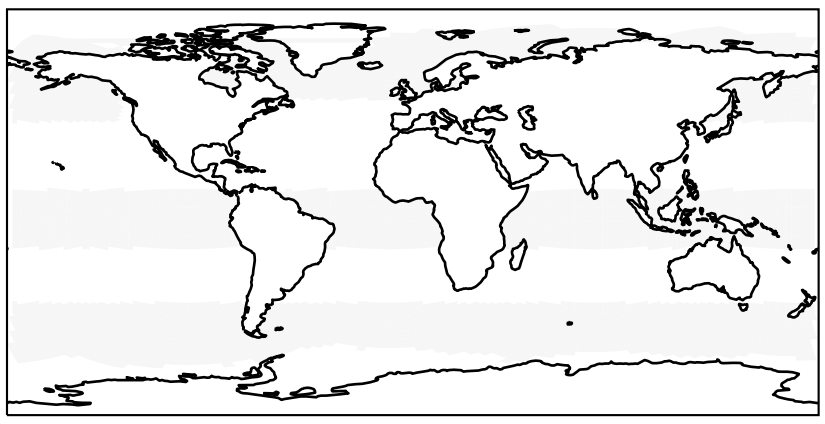


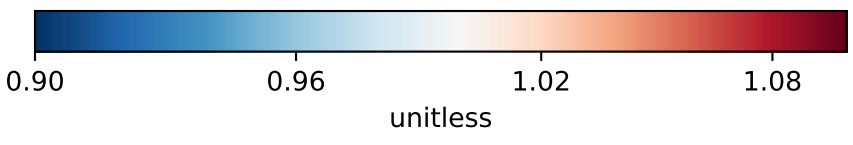
Difference
Dev - Ref, Restricted Range [5%,95%]





Ratio
Dev/Ref, Dynamic Range





Ratio
Dev/Ref, Fixed Range

