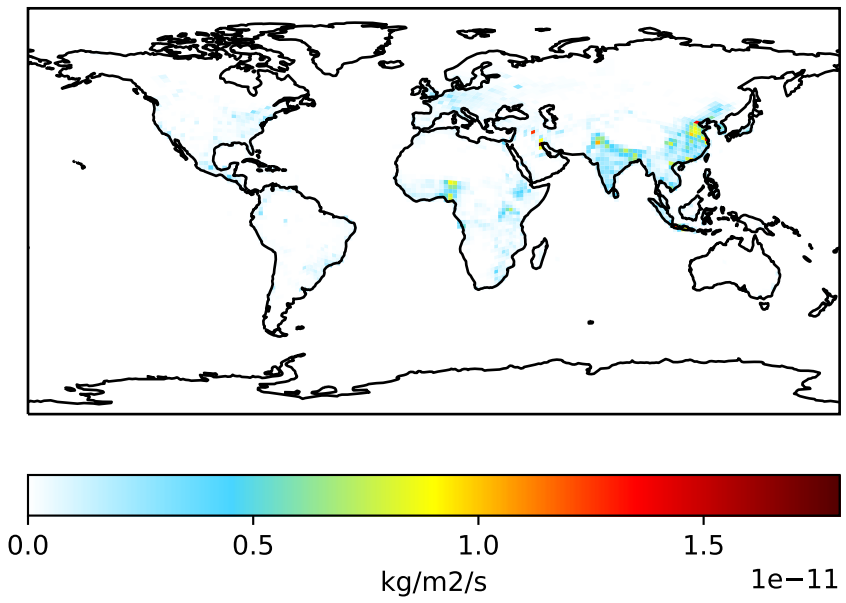
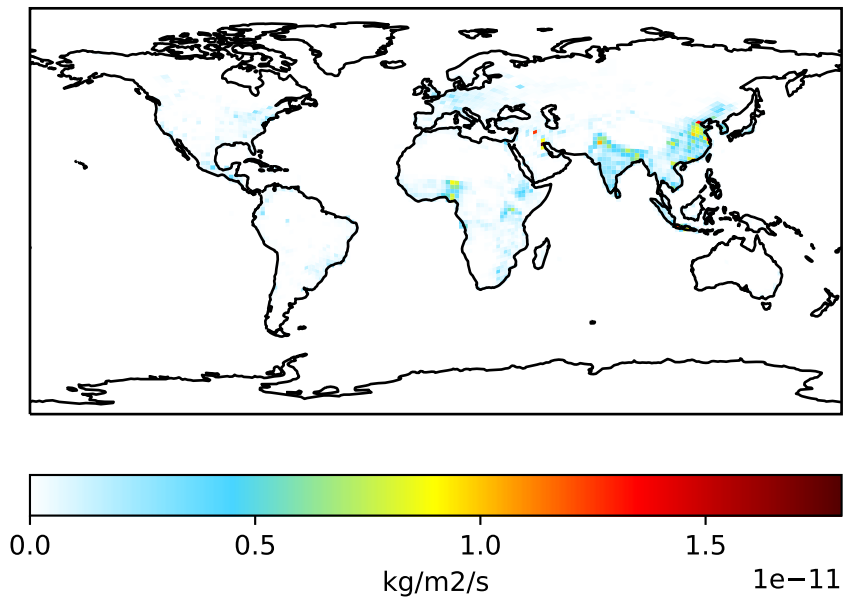
EmisEOH_Anthro

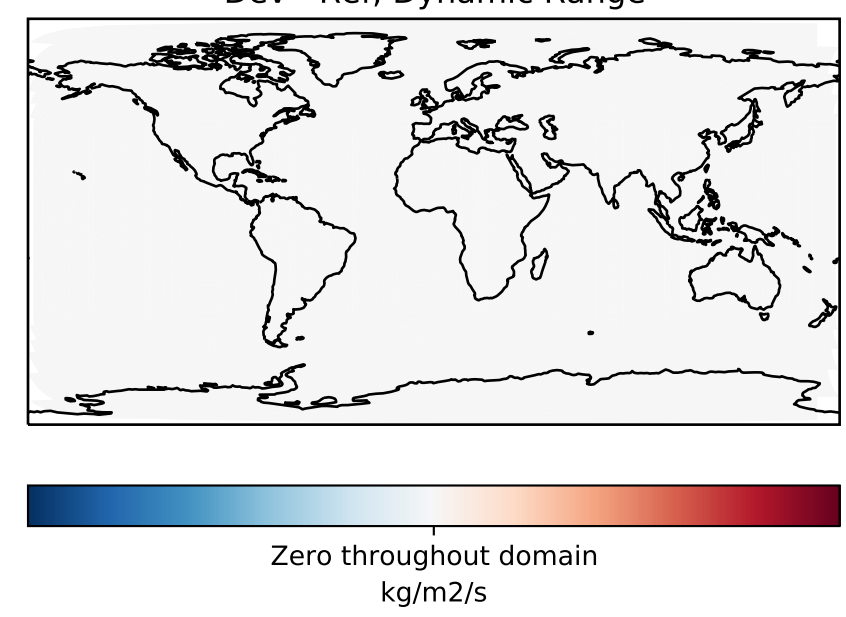
GCHP_13.2.0 (Ref)
c48



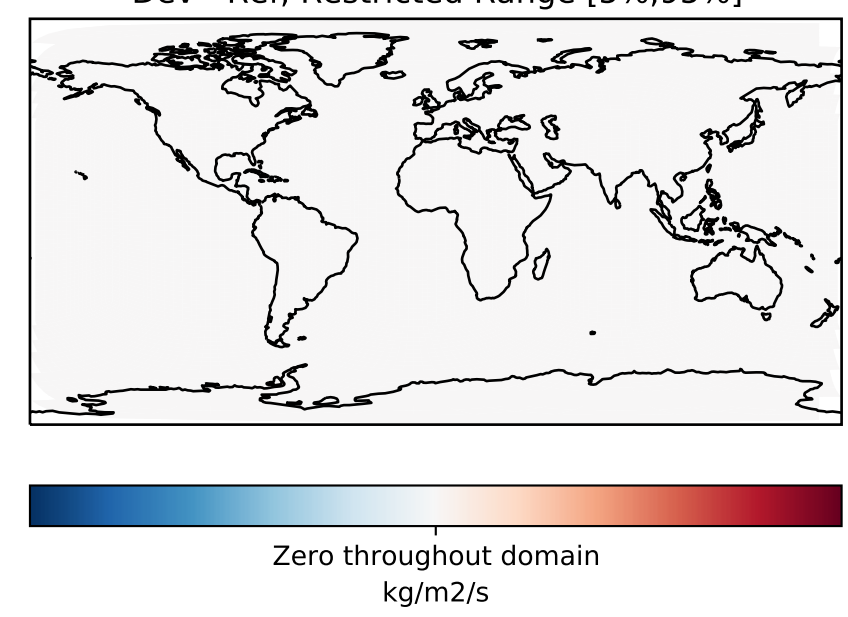
GCHP_13.3.0-rc.1 (Dev)
c48



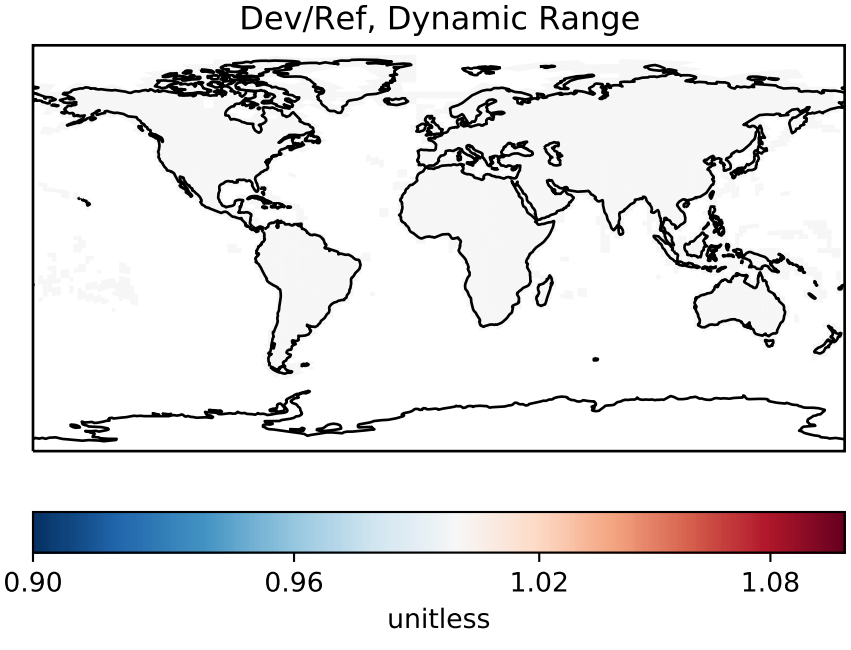
Difference
Dev - Ref, Dynamic Range



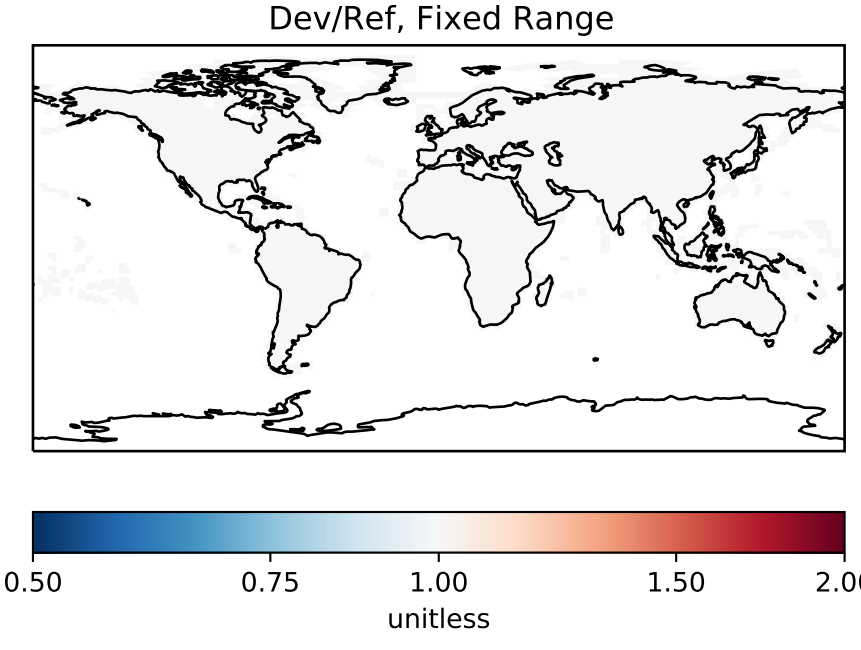
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

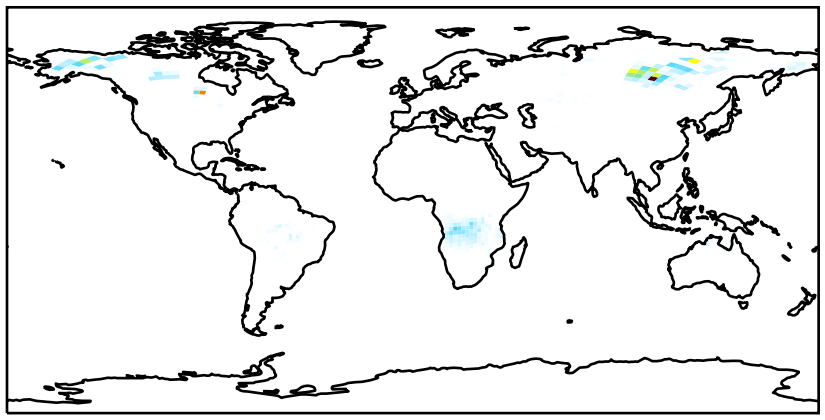


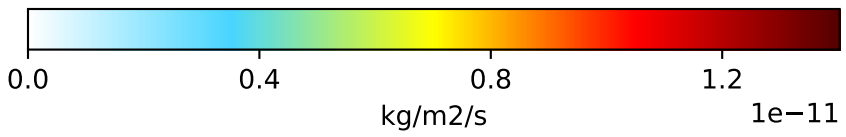
Ratio
Dev/Ref, Fixed Range



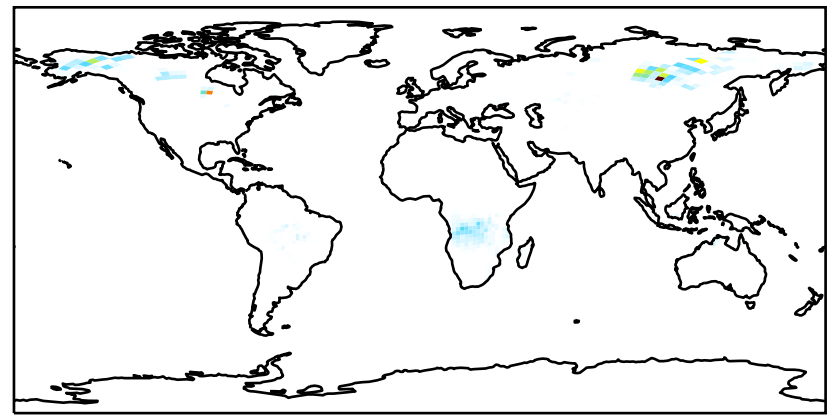
EmisEOH_BioBurn

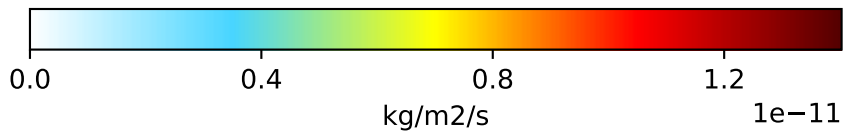
GCHP_13.2.0 (Ref)
c48



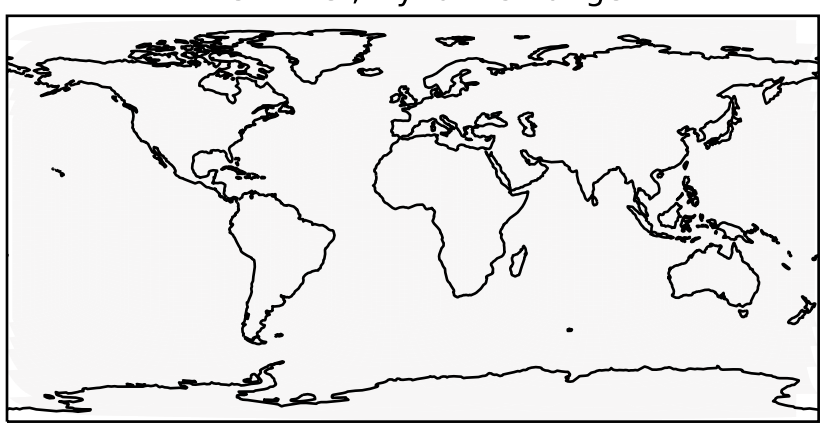


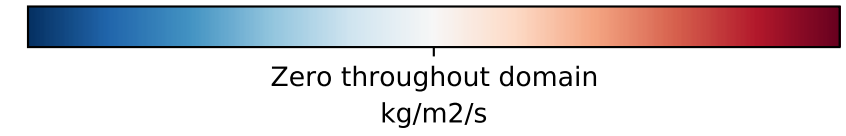
GCHP_13.3.0-rc.1 (Dev)
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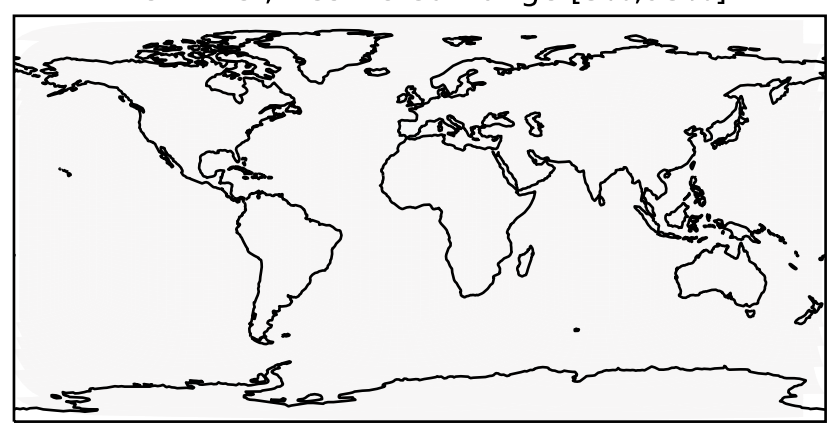


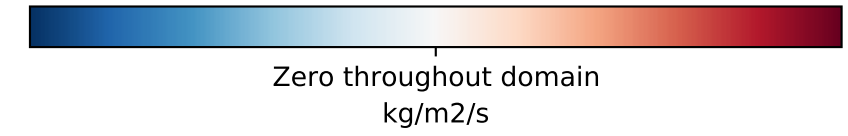
Difference
Dev - Ref, Dynamic Range



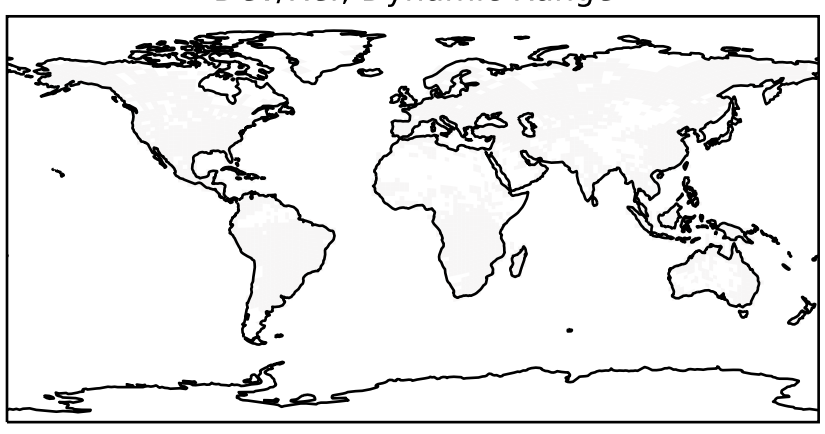


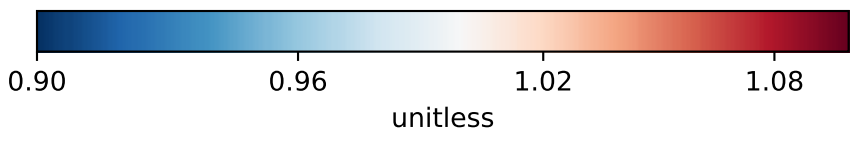
Difference
Dev - Ref, Restricted Range [5%,95%]



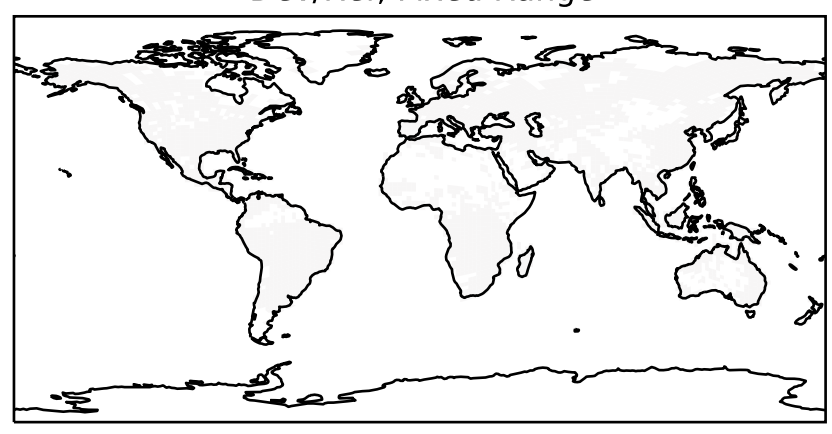


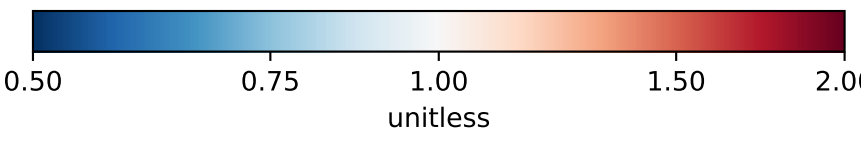
Ratio
Dev/Ref, Dynamic Range





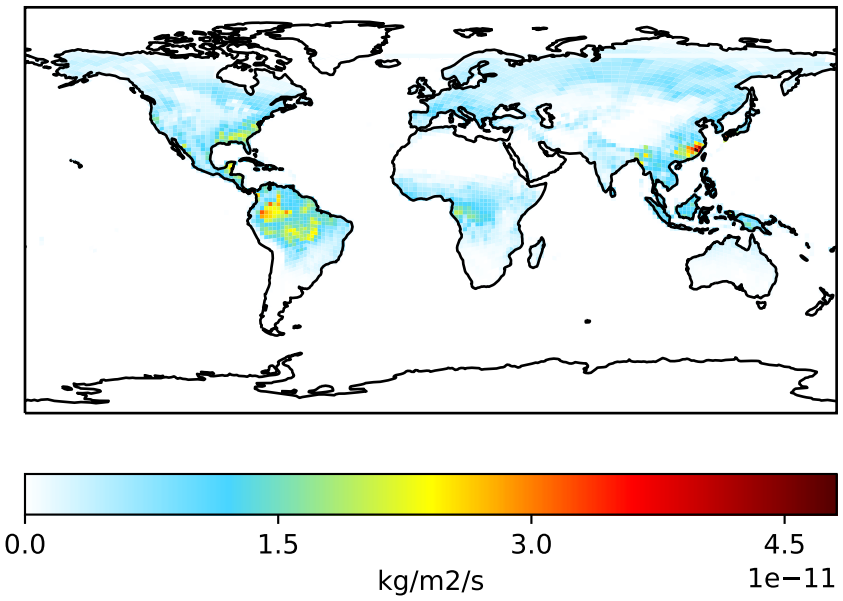
Ratio
Dev/Ref, Fixed Range



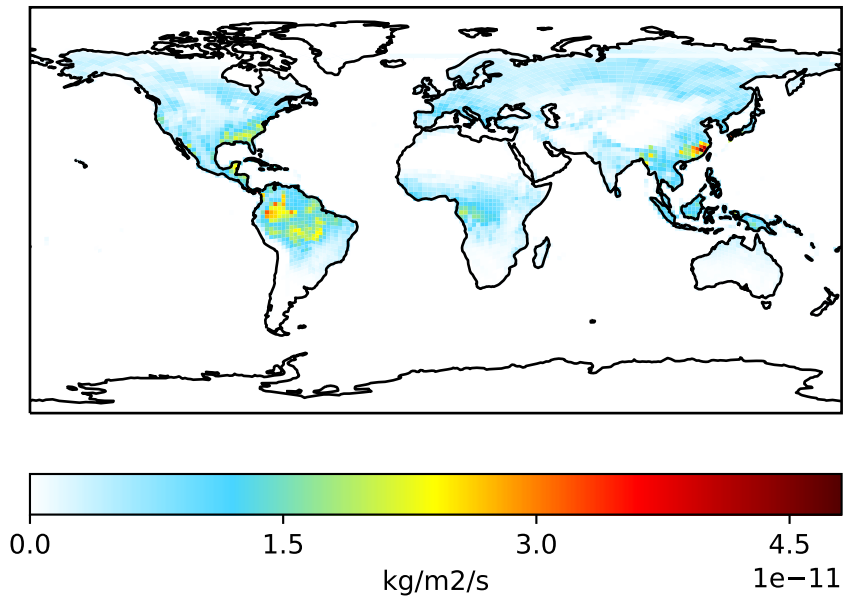


EmisEOH_Biogenic

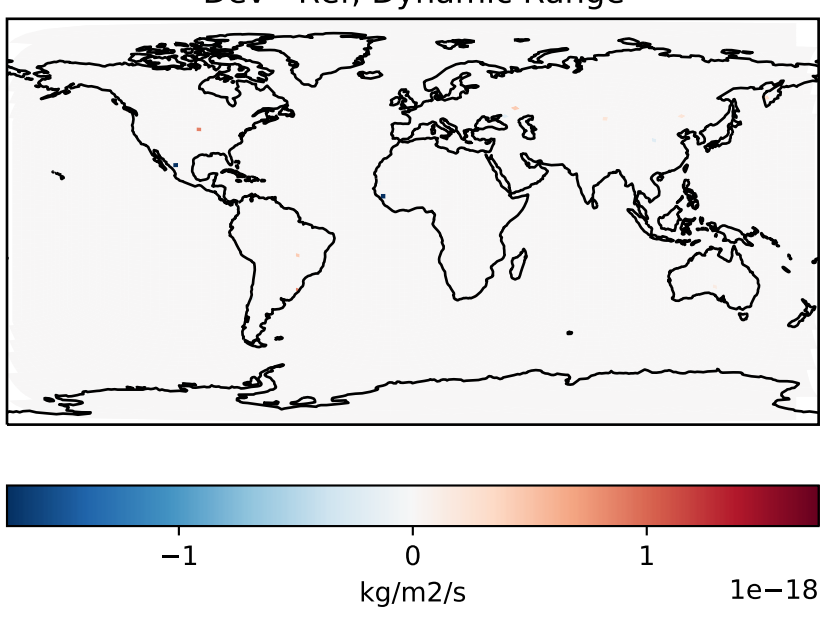
GCHP_13.2.0 (Ref)
c48



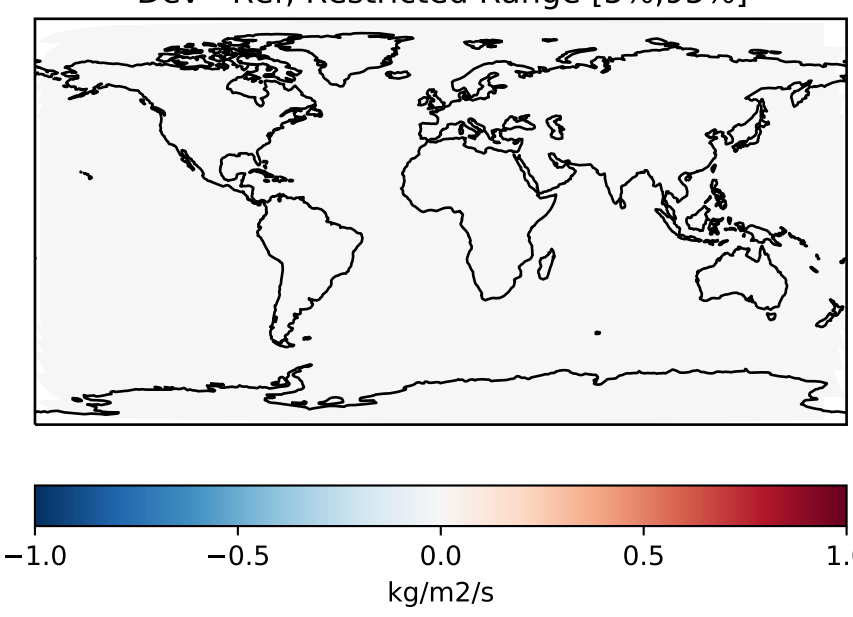
GCHP_13.3.0-rc.1 (Dev)
c48



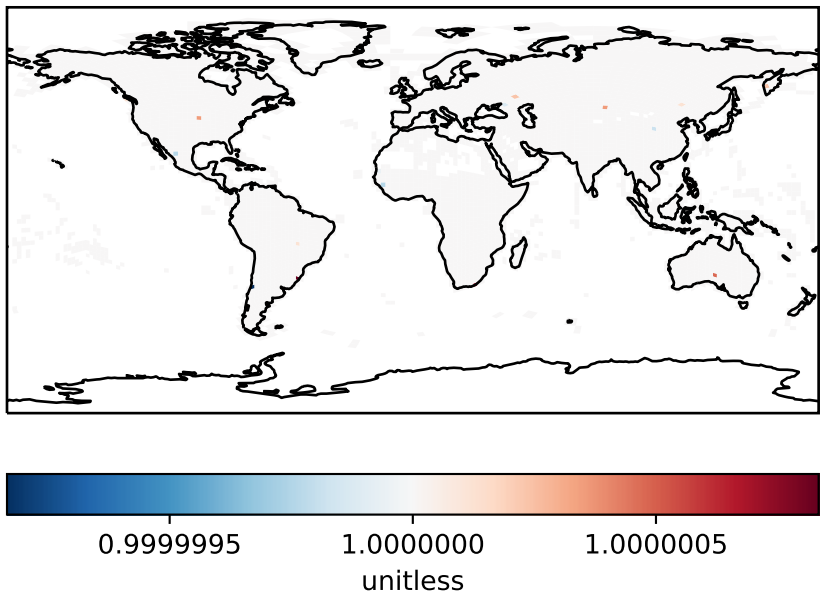
Difference
Dev - Ref, Dynamic Range



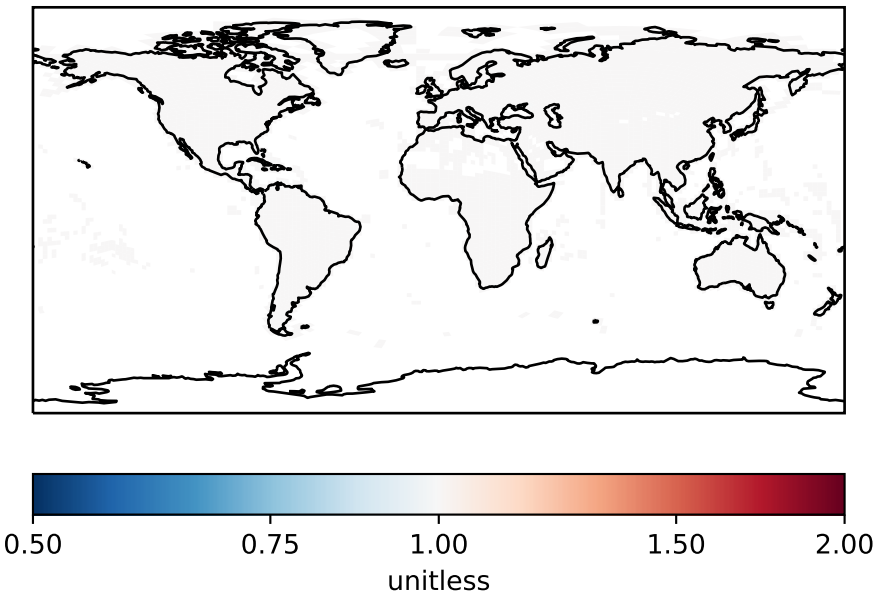
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

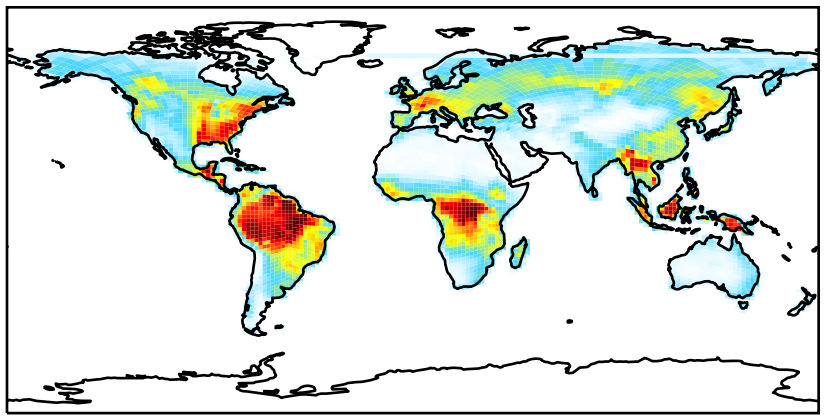


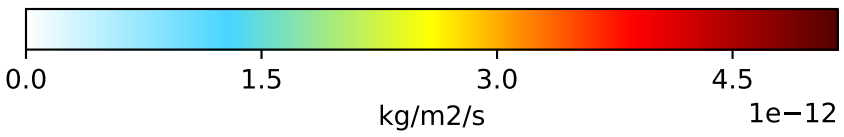
Ratio
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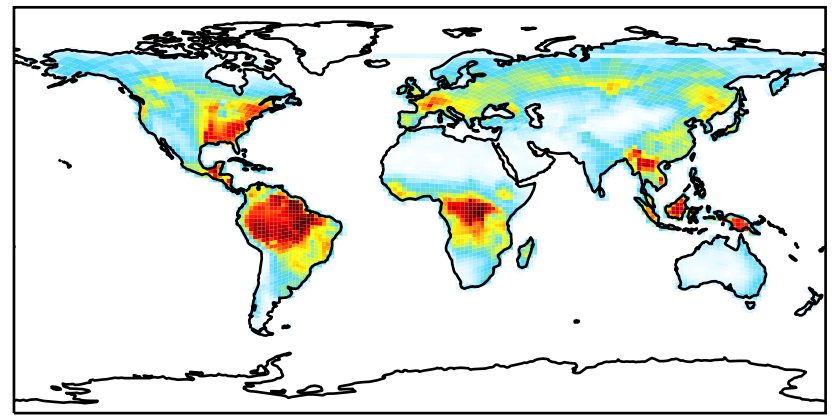
EmisEOH_PlantDecay

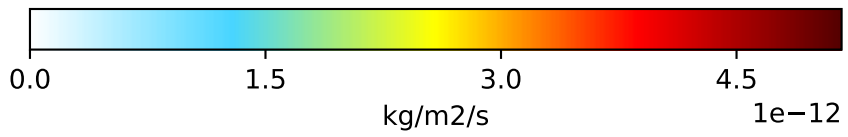
GCHP_13.2.0 (Ref)
c48



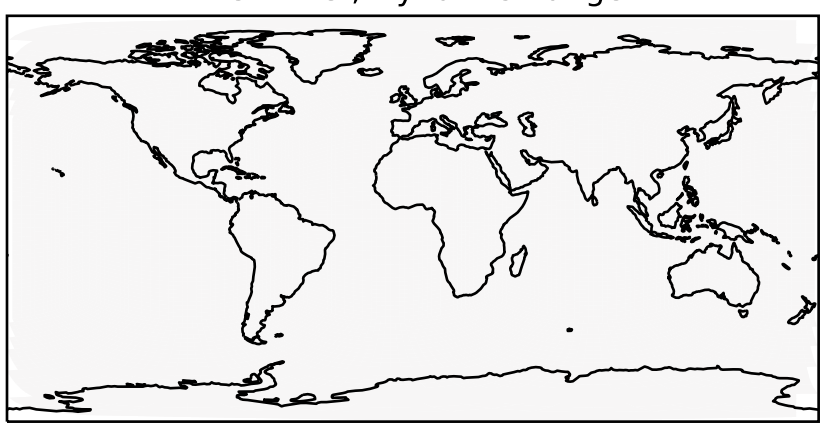


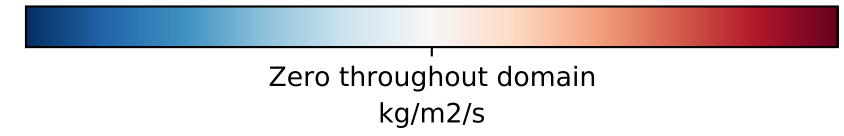
GCHP_13.3.0-rc.1 (Dev)
c48



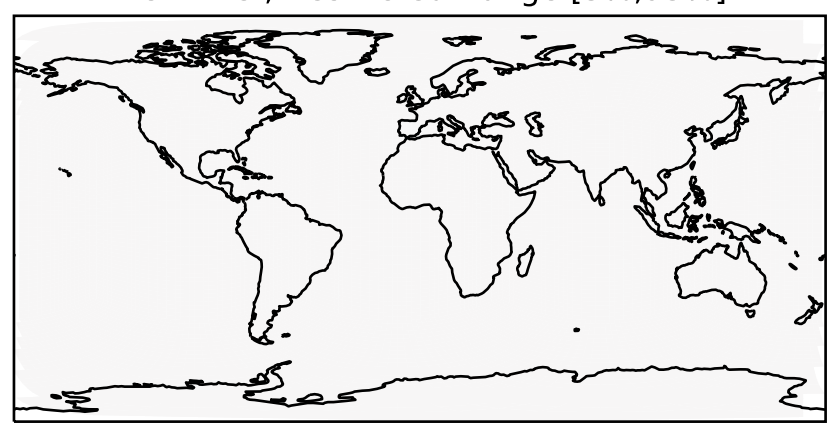


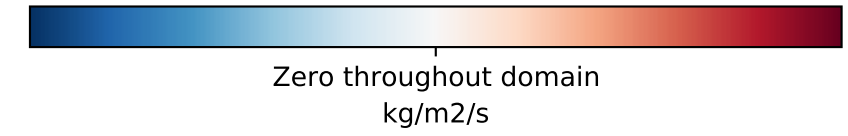
Difference
Dev - Ref, Dynamic Range



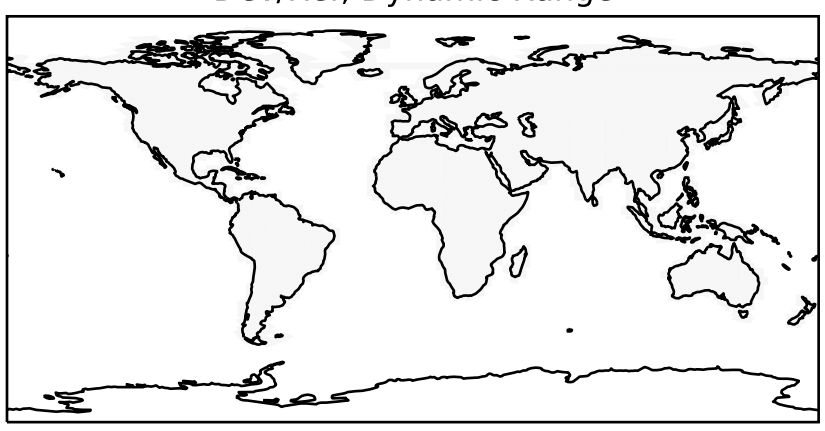


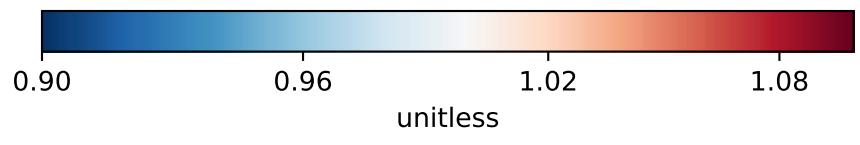
Difference
Dev - Ref, Restricted Range [5%,95%]



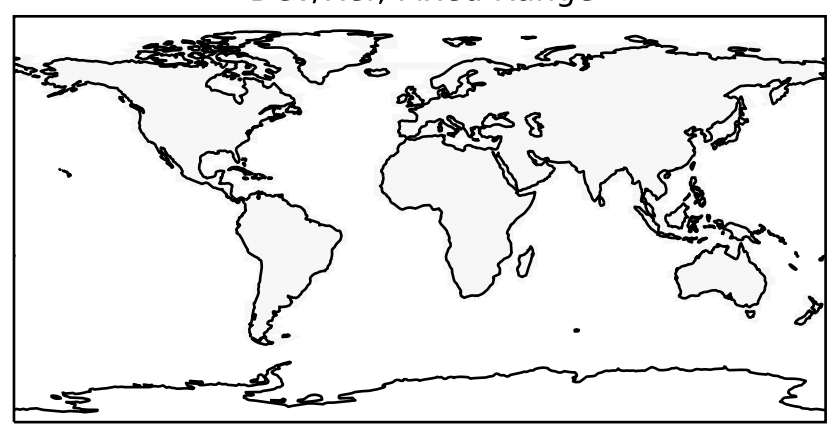


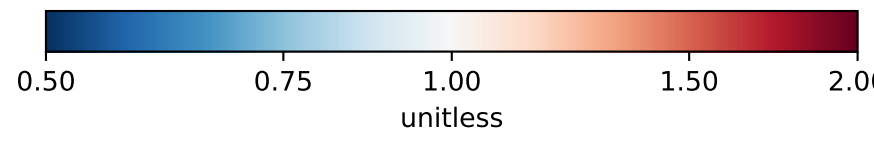
Ratio
Dev/Ref, Dynamic Range





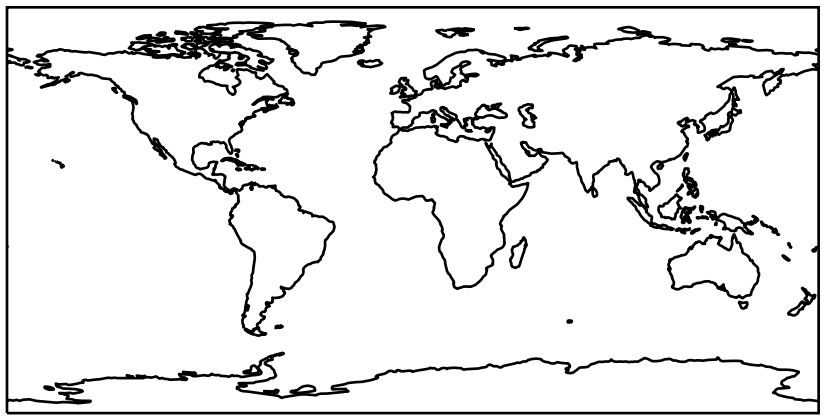
Ratio
Dev/Ref, Fixed Range





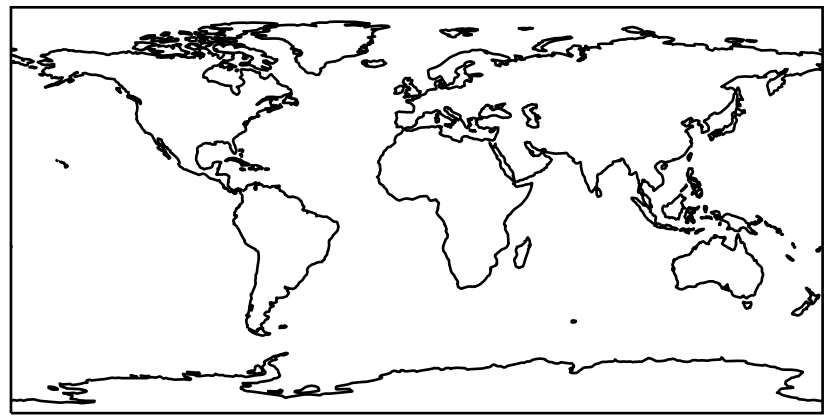
EmisEOH_Ship

GCHP_13.2.0 (Ref)
c48



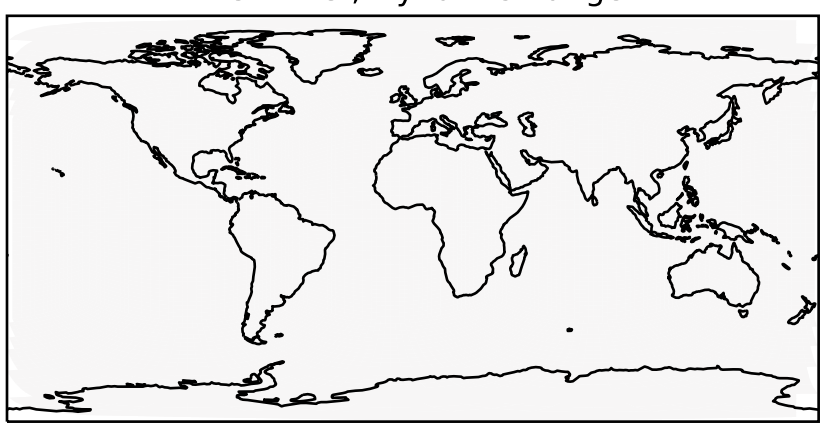
Zero throughout domain
kg/m2/s

GCHP_13.3.0-rc.1 (Dev)
c48



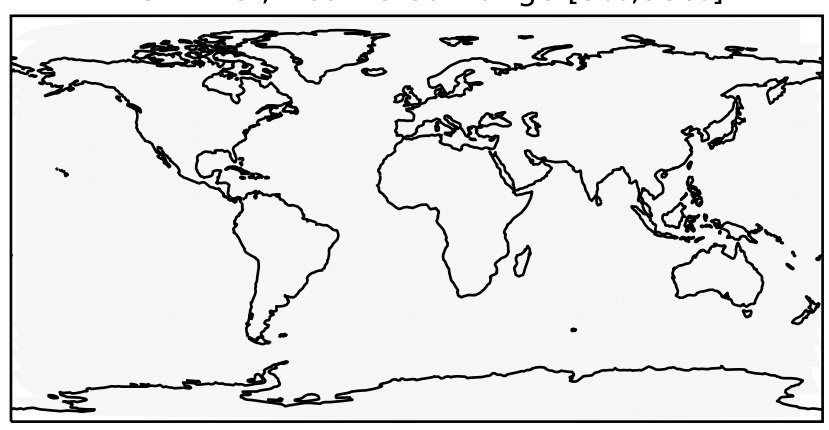
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Difference
Dev - Ref, Dynamic Range



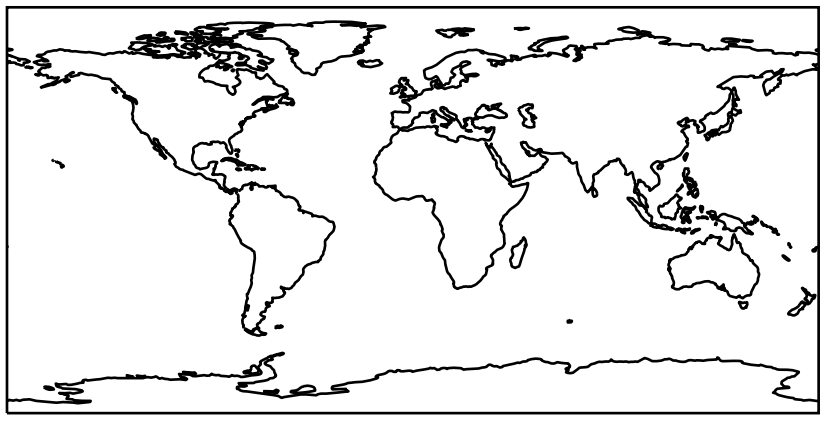
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kg/m2/s

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



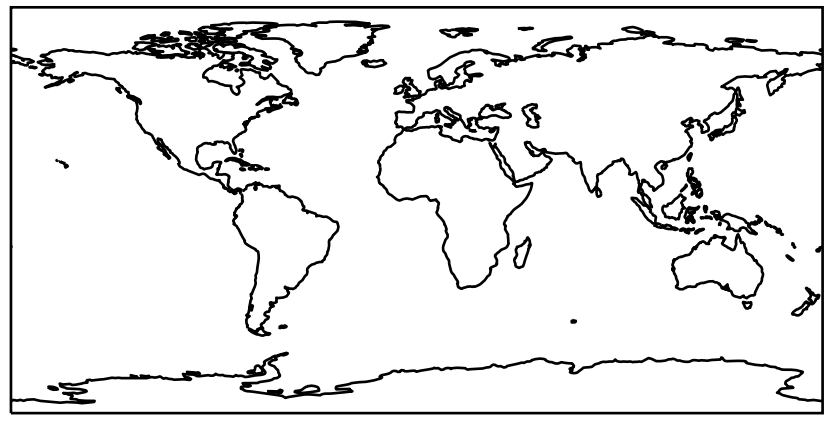
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Ratio
Dev/Ref, Dynamic Range



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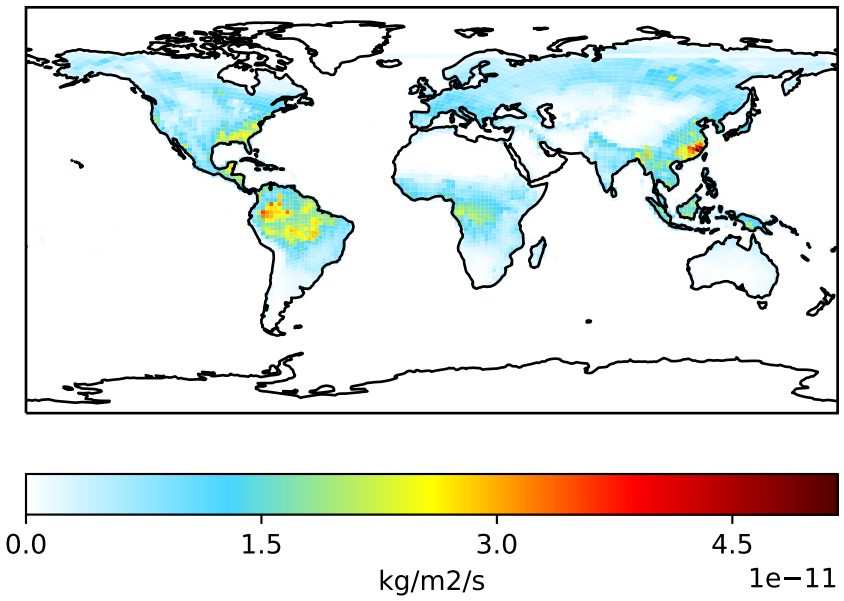
Ratio
Dev/Ref, Fixed Range



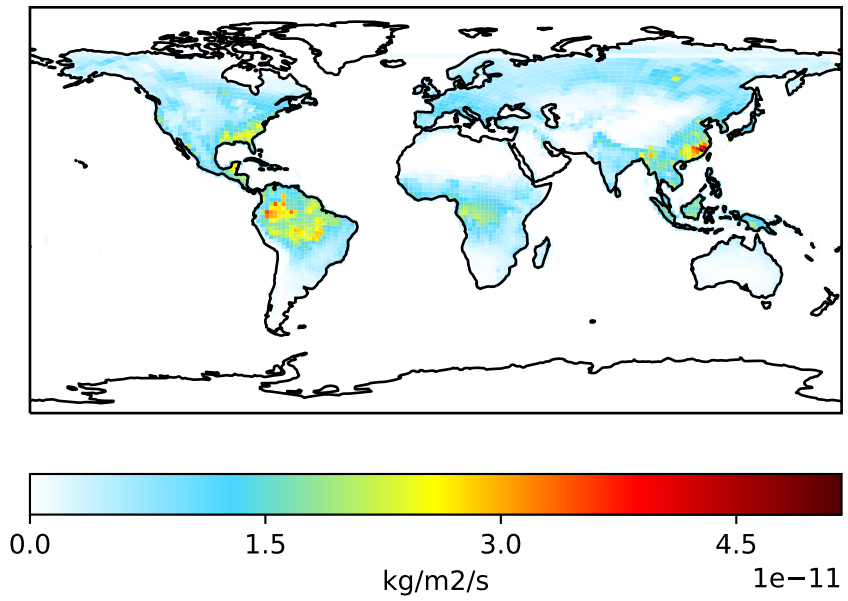
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EmisEOH_Total

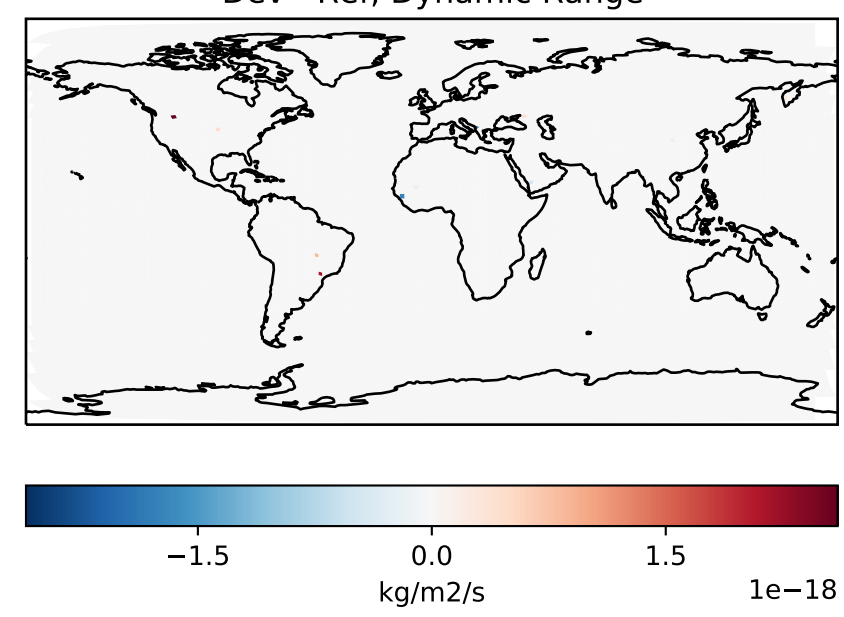
GCHP_13.2.0 (Ref)
c48



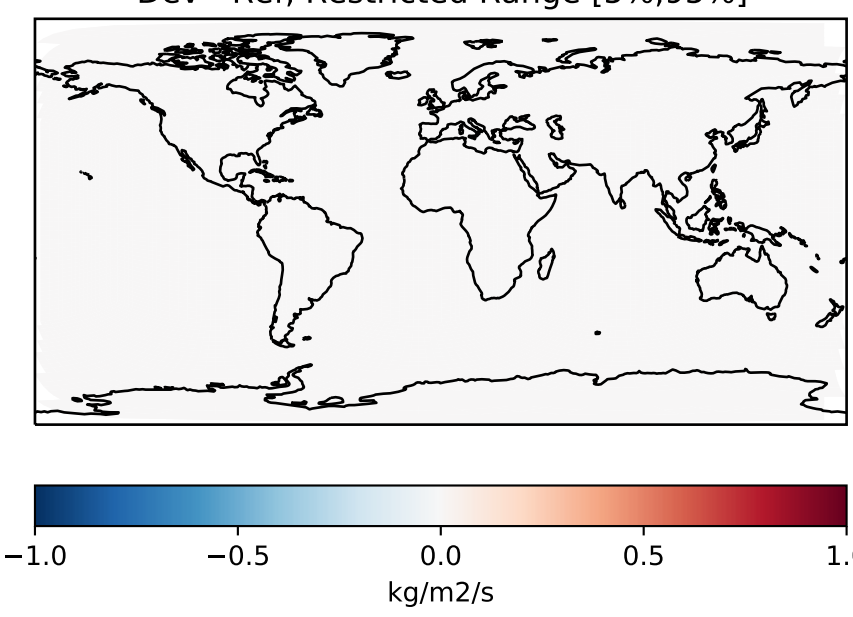
GCHP_13.3.0-rc.1 (Dev)
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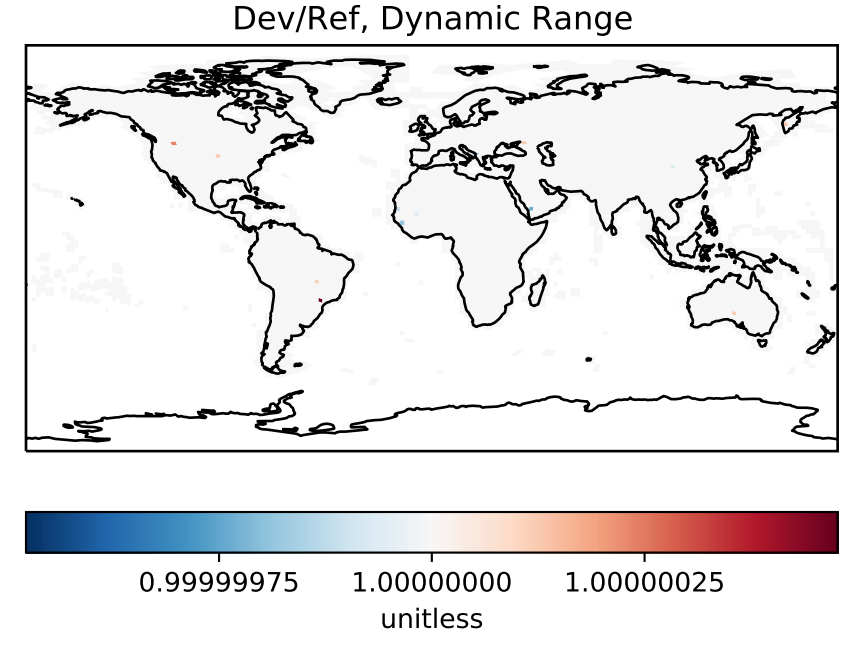
Difference
Dev - Ref, Dynamic Range



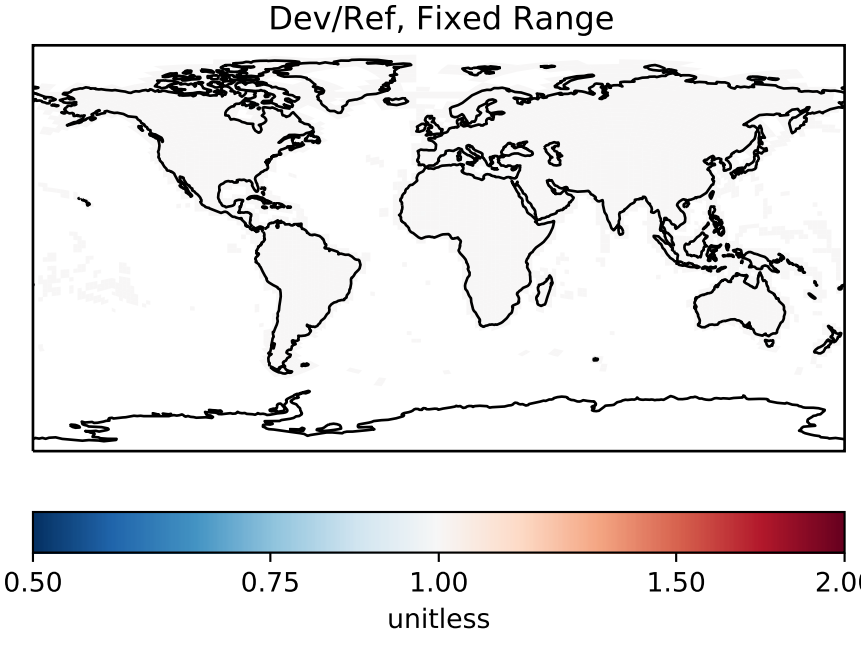
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

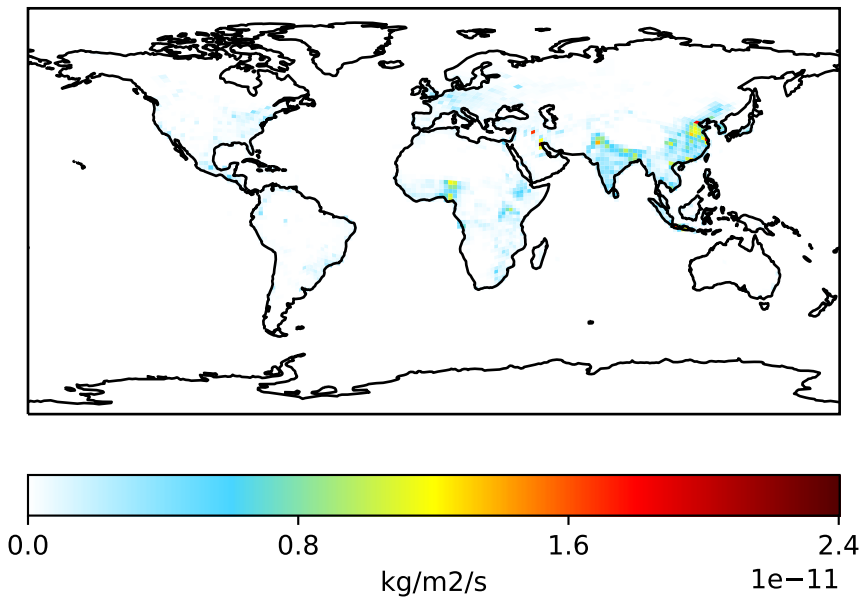


Ratio
Dev/Ref, Fixed Range

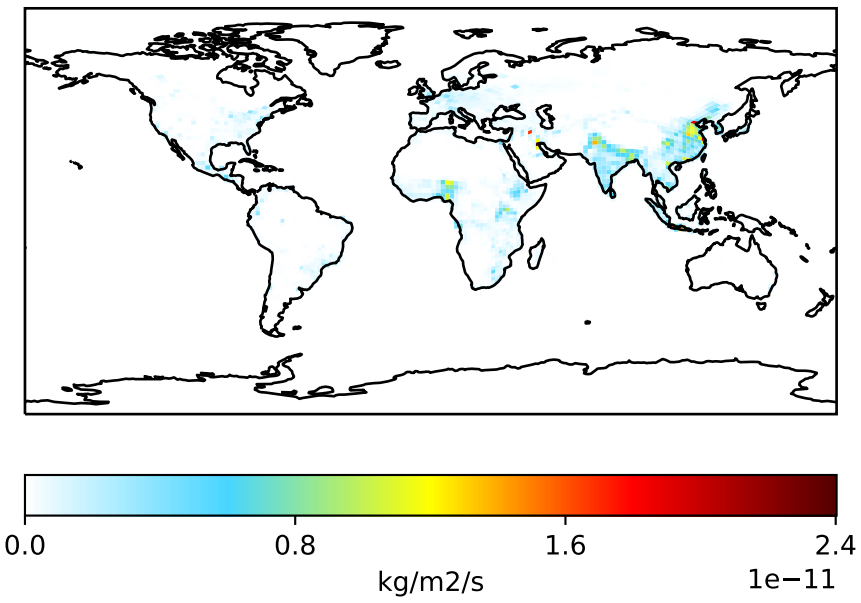


EmisMOH_Anthro

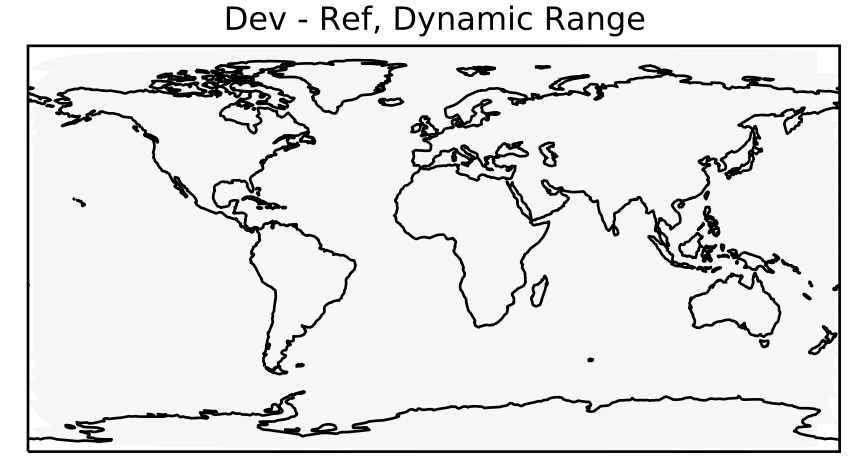
GCHP_13.2.0 (Ref)
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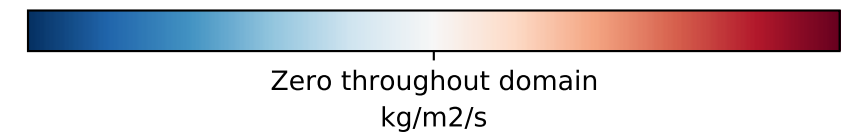


GCHP_13.3.0-rc.1 (Dev)
c48

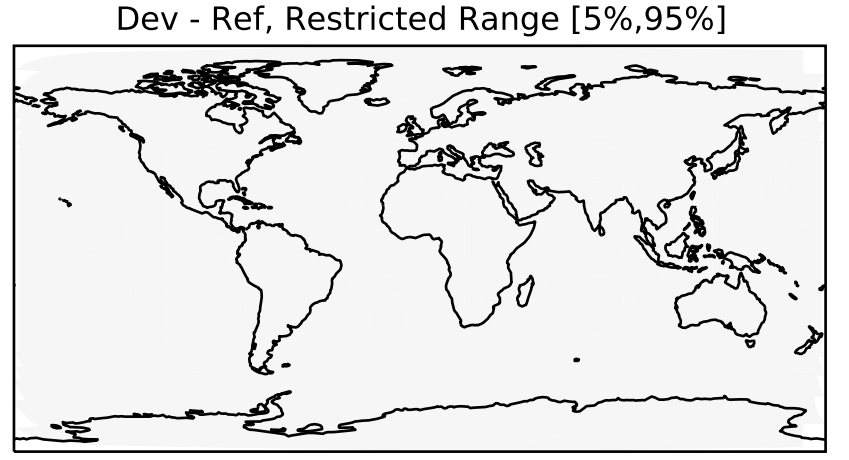


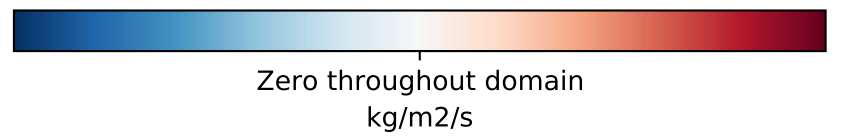
Difference
Dev - Ref, Dynamic Range



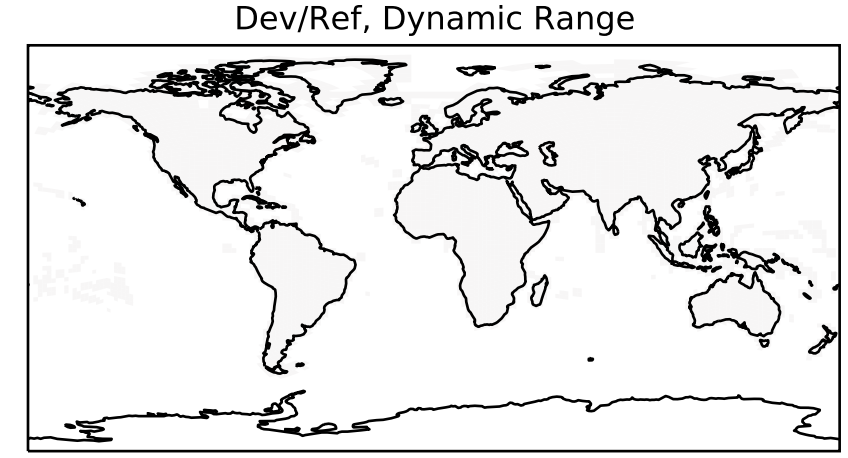


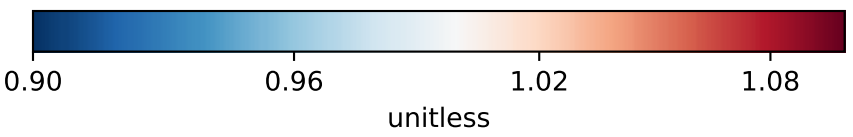
Difference
Dev - Ref, Restricted Range [5%,95%]



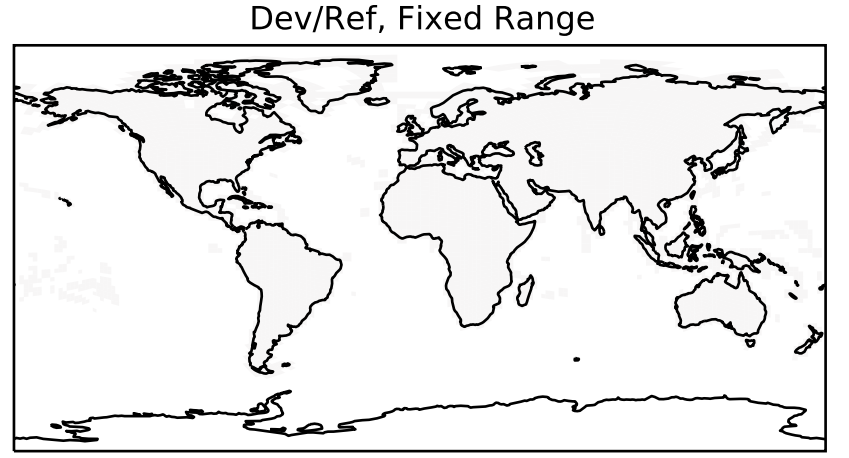


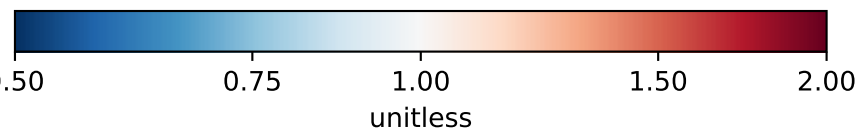
Ratio
Dev/Ref, Dynamic Range





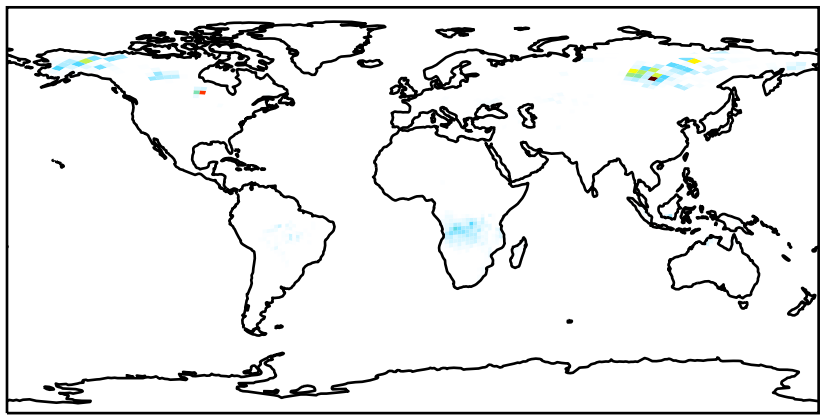
Ratio
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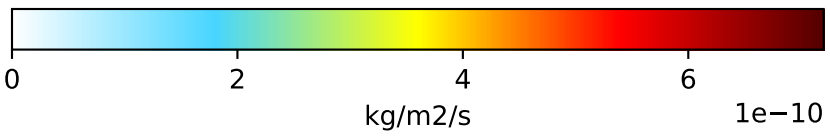




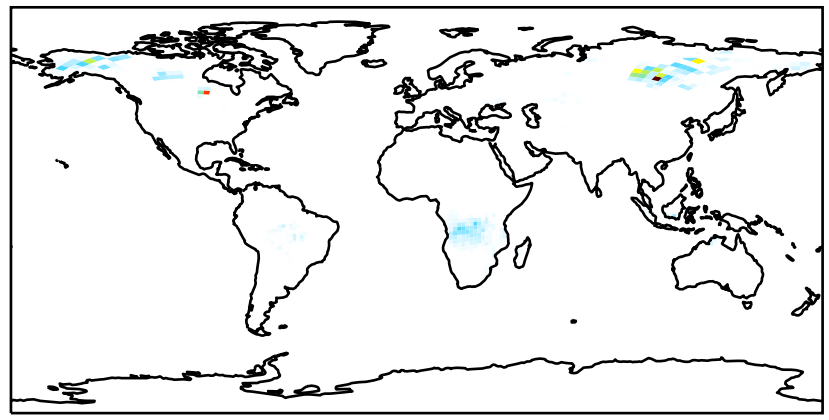
EmisMOH_BioBurn

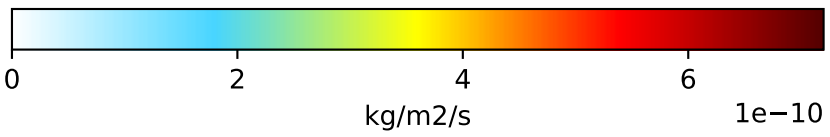
GCHP_13.2.0 (Ref)
c48



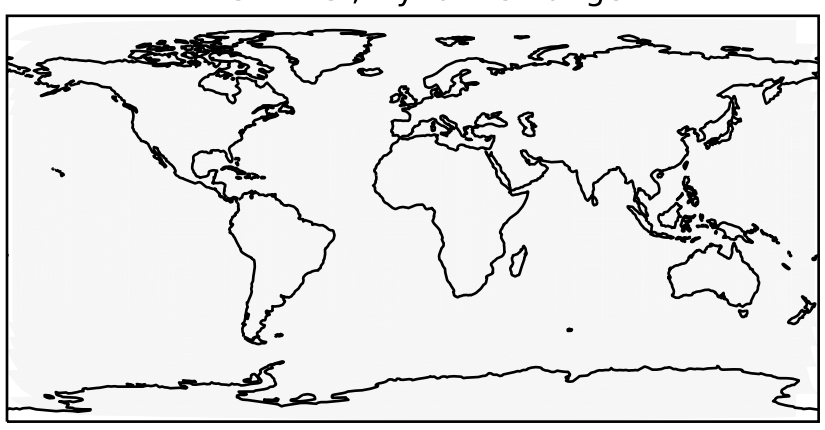


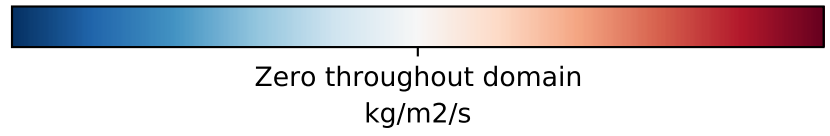
GCHP_13.3.0-rc.1 (Dev)
c48



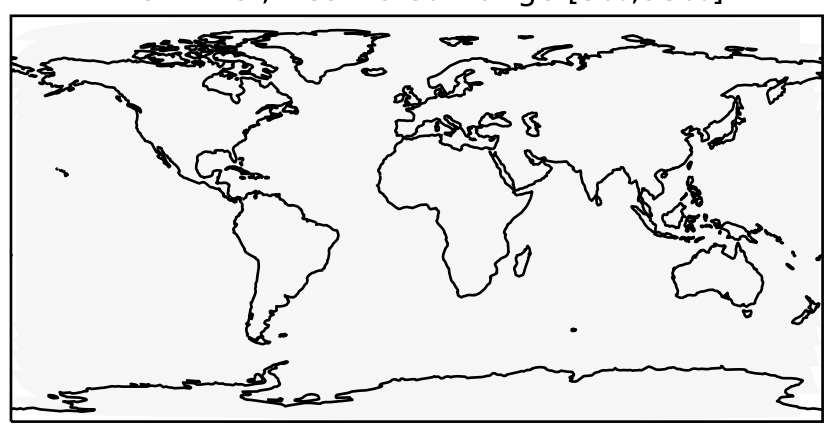


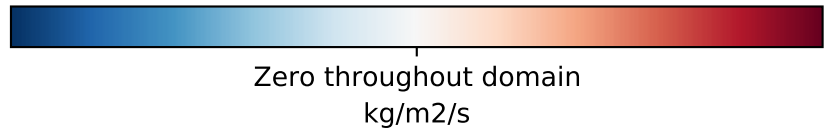
Difference
Dev - Ref, Dynamic Range



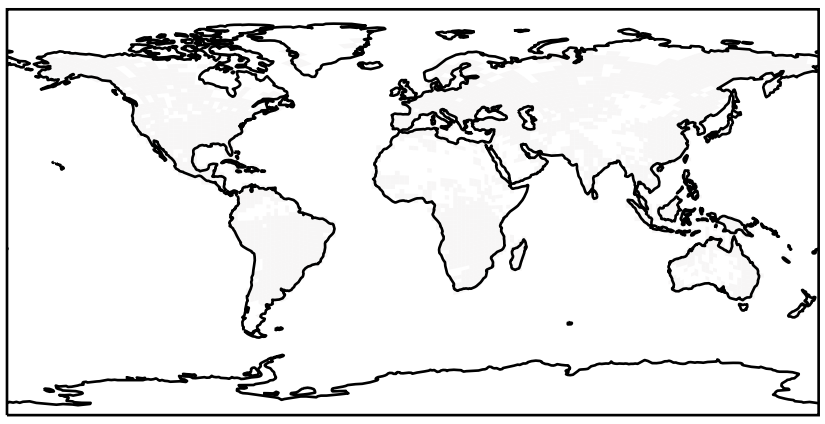


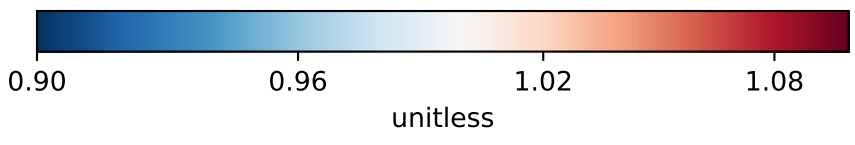
Difference
Dev - Ref, Restricted Range [5%,95%]



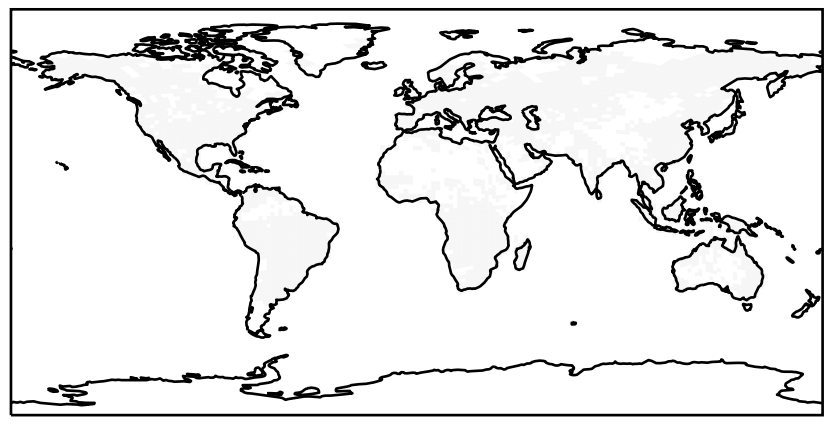


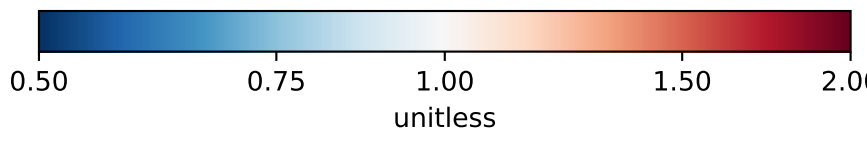
Ratio
Dev/Ref, Dynamic Range





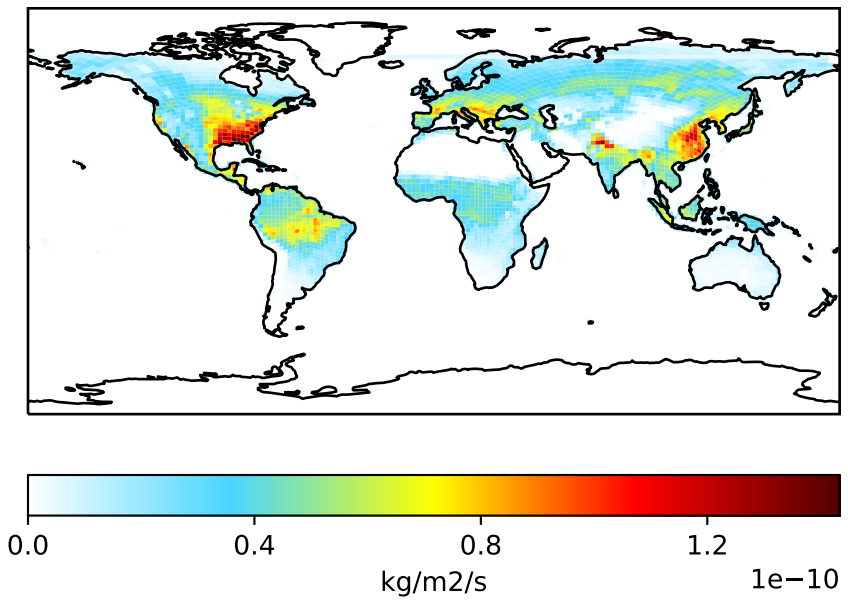
Ratio
Dev/Ref, Fixed Range



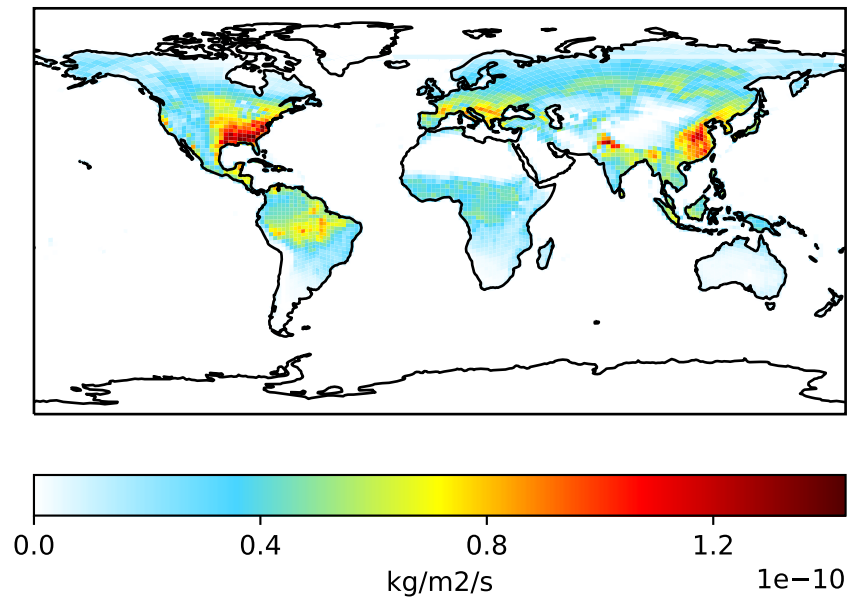


EmisMOH_Biogenic

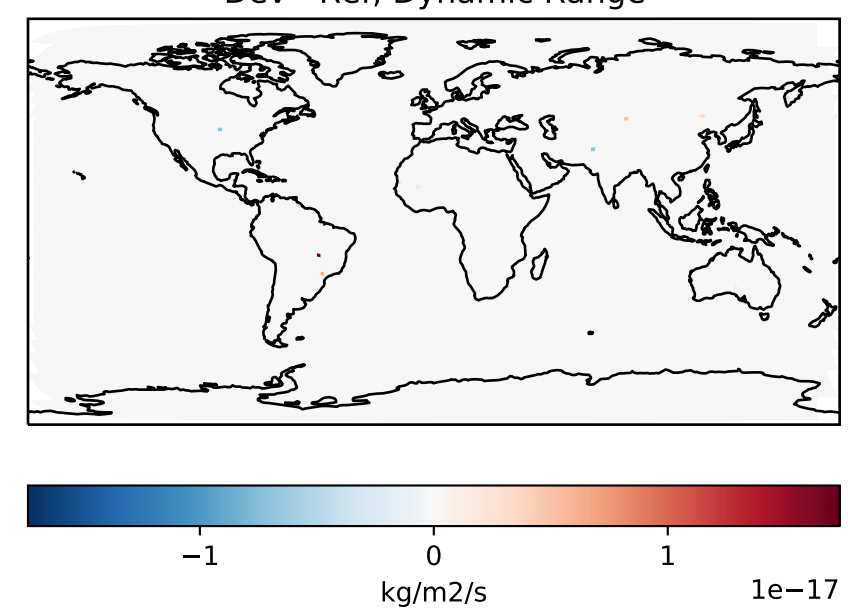
GCHP_13.2.0 (Ref)
c48



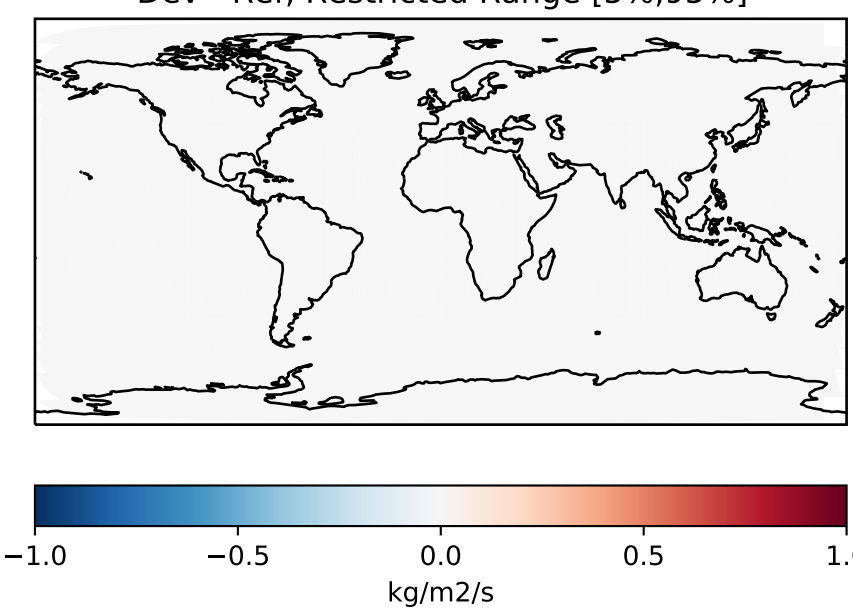
GCHP_13.3.0-rc.1 (Dev)
c48



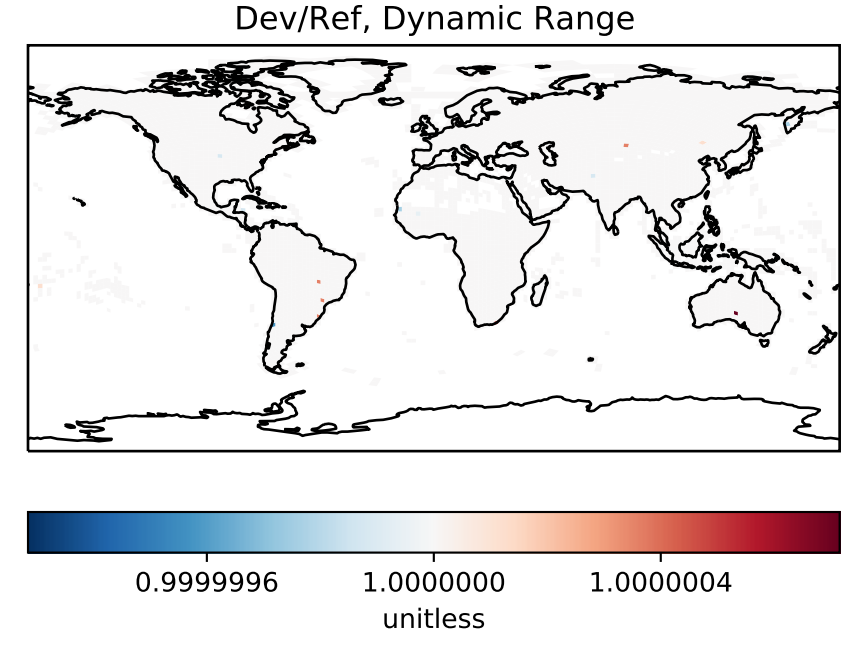
Difference
Dev - Ref, Dynamic Range



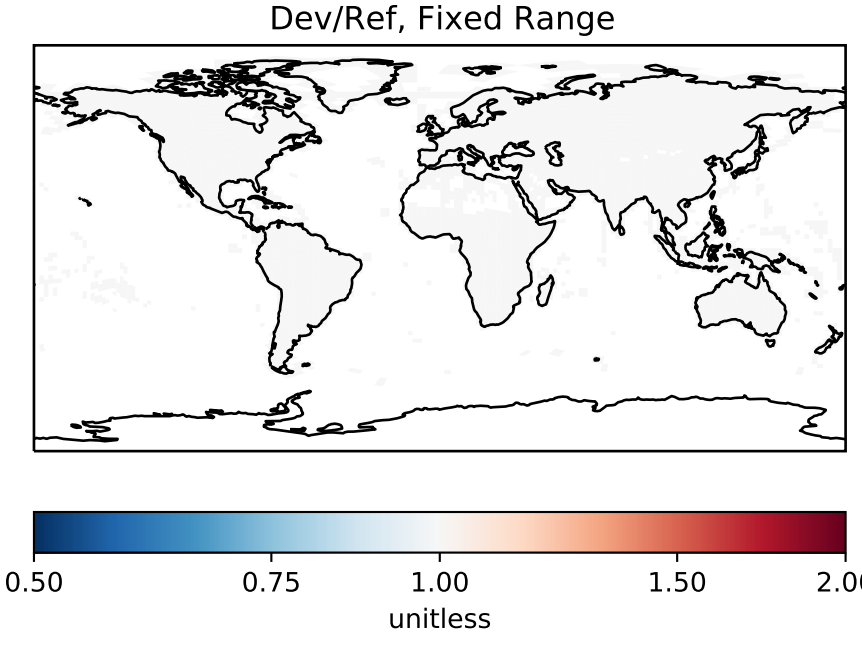
Difference
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Ratio
Dev/Ref, Dynamic Range

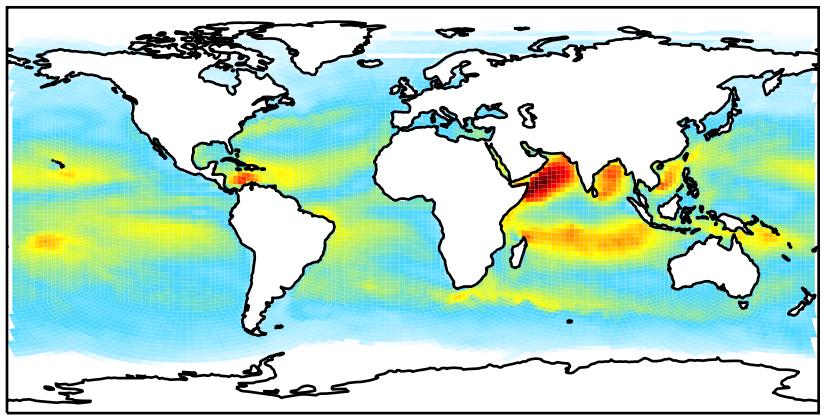


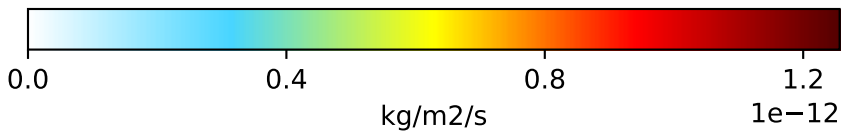
Ratio
Dev/Ref, Fixed Range



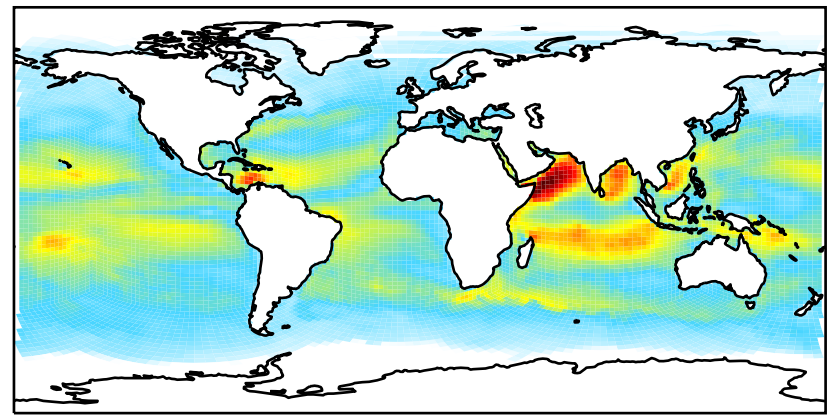
EmisMOH_Ocean

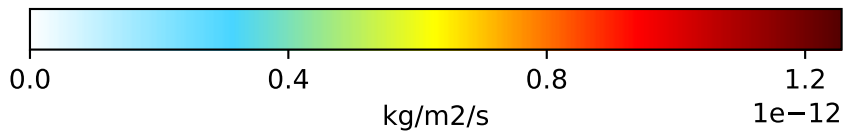
GCHP_13.2.0 (Ref)
c48



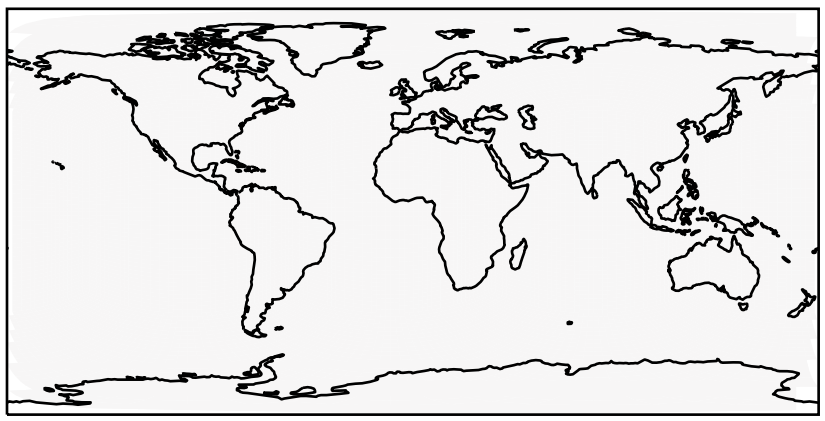


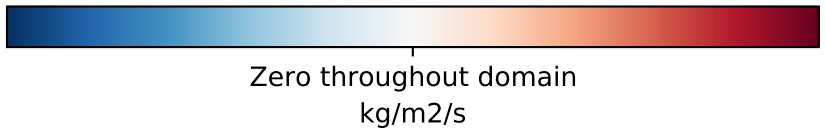
GCHP_13.3.0-rc.1 (Dev)
c48



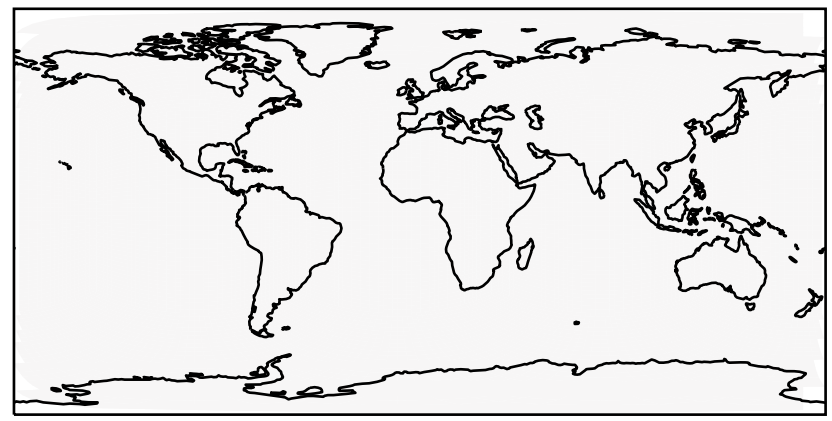


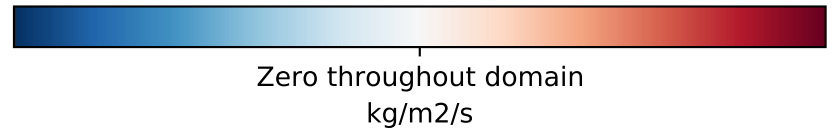
Difference
Dev - Ref, Dynamic Range



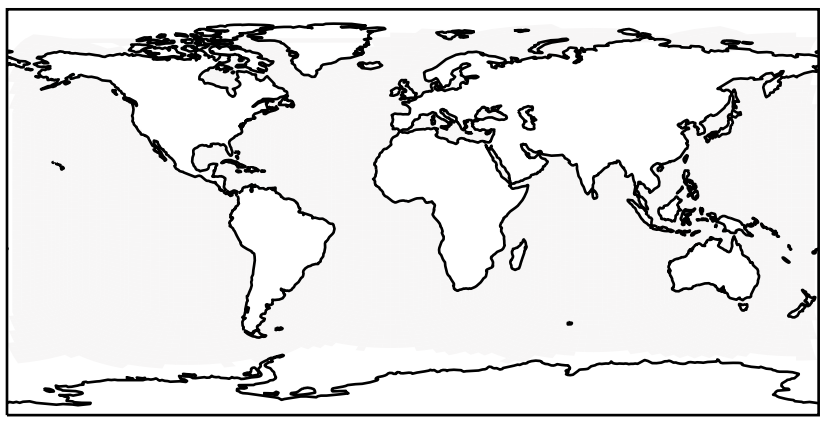


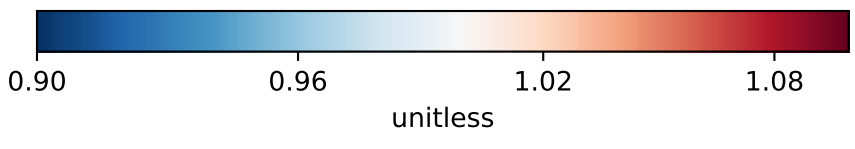
Difference
Dev - Ref, Restricted Range [5%,95%]



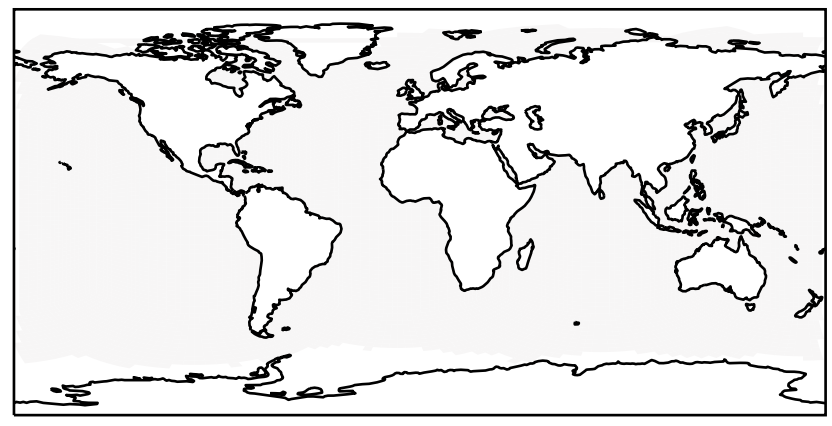


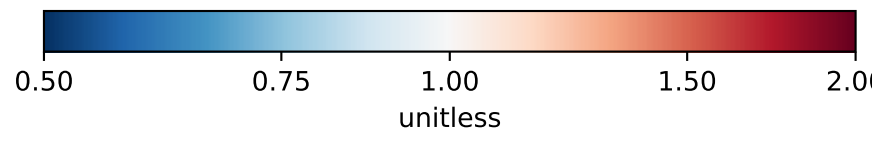
Ratio
Dev/Ref, Dynamic Range





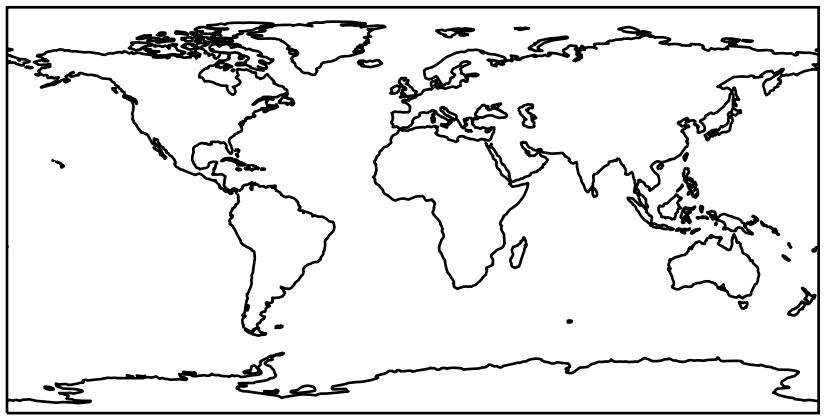
Ratio
Dev/Ref, Fixed Range





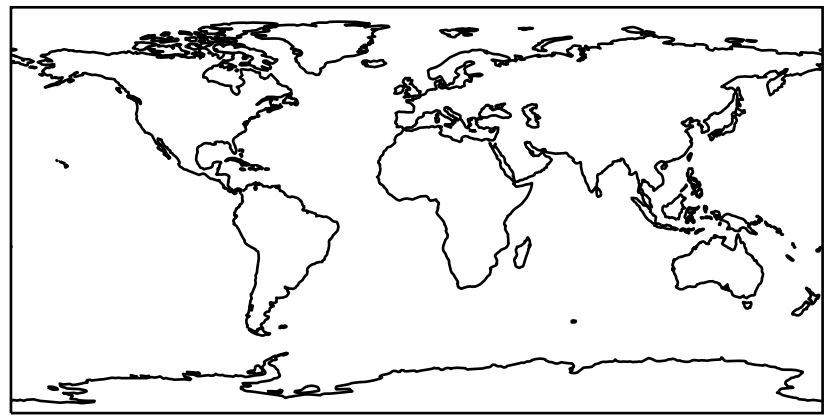
EmisMOH_Ship

GCHP_13.2.0 (Ref)
c48



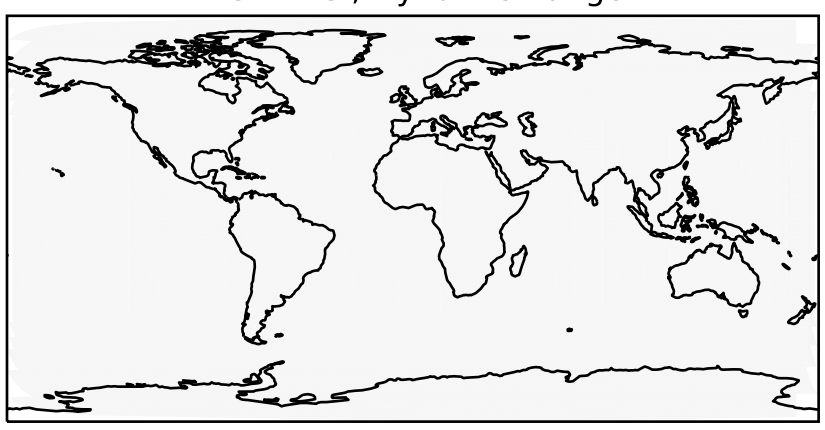
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kg/m2/s

GCHP_13.3.0-rc.1 (Dev)
c48



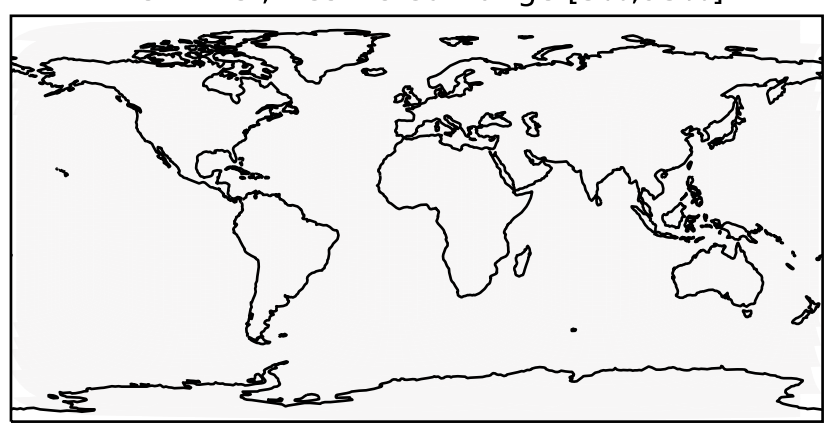
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kg/m2/s

Difference
Dev - Ref, Dynamic Range



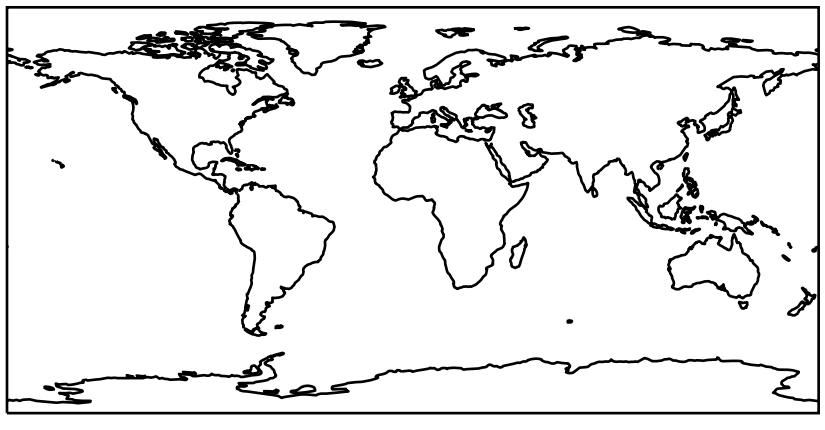
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Difference
Dev - Ref, Restricted Range [5%,95%]



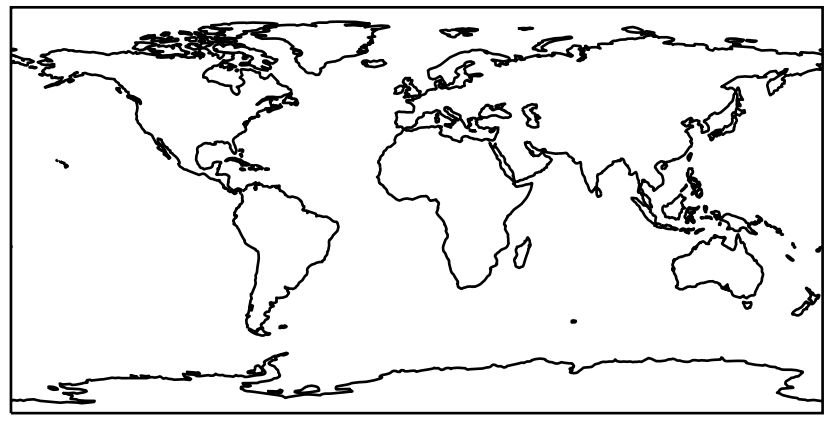
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Ratio
Dev/Ref, Dynamic Range



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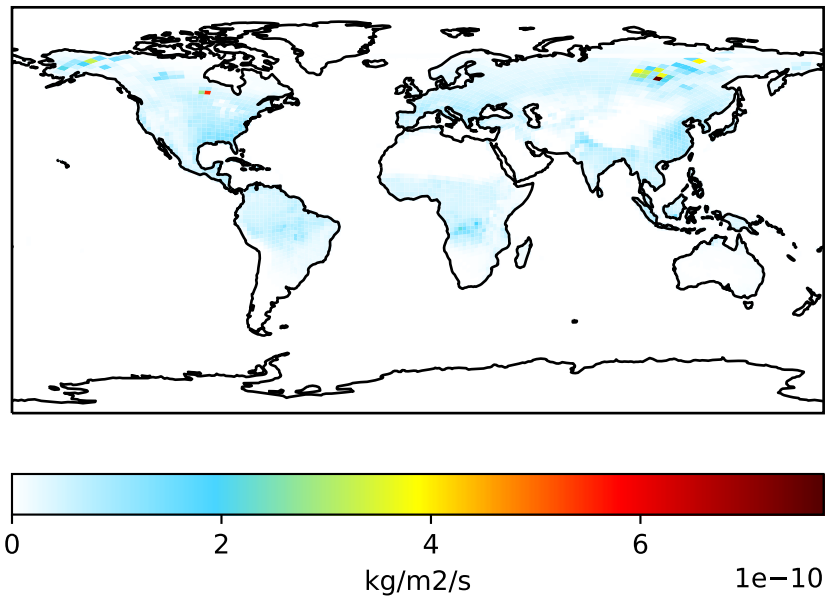
Ratio
Dev/Ref, Fixed Range



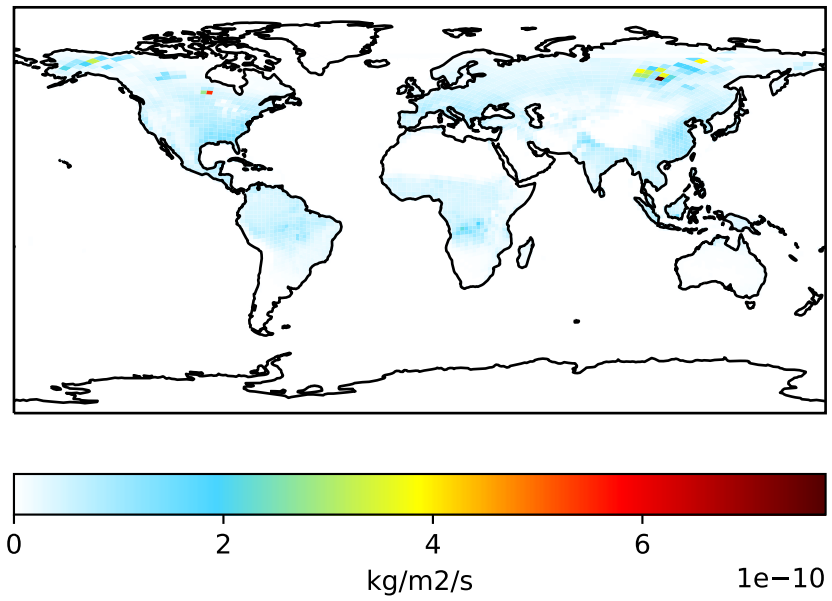
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EmisMOH_Total

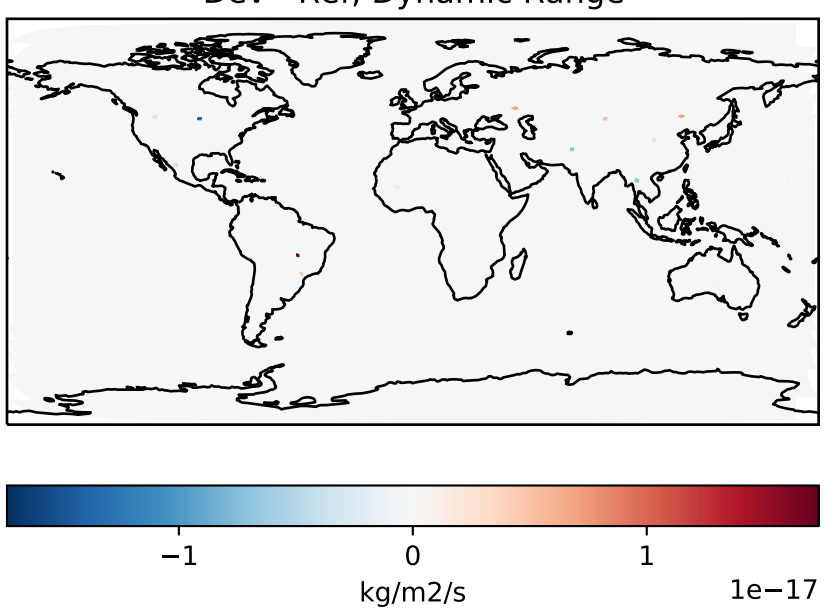
GCHP_13.2.0 (Ref)
c48



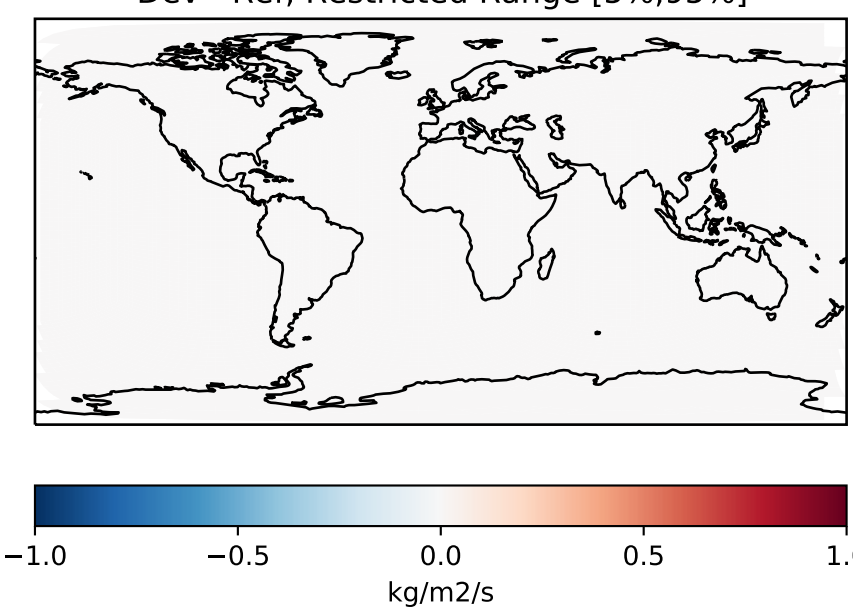
GCHP_13.3.0-rc.1 (Dev)
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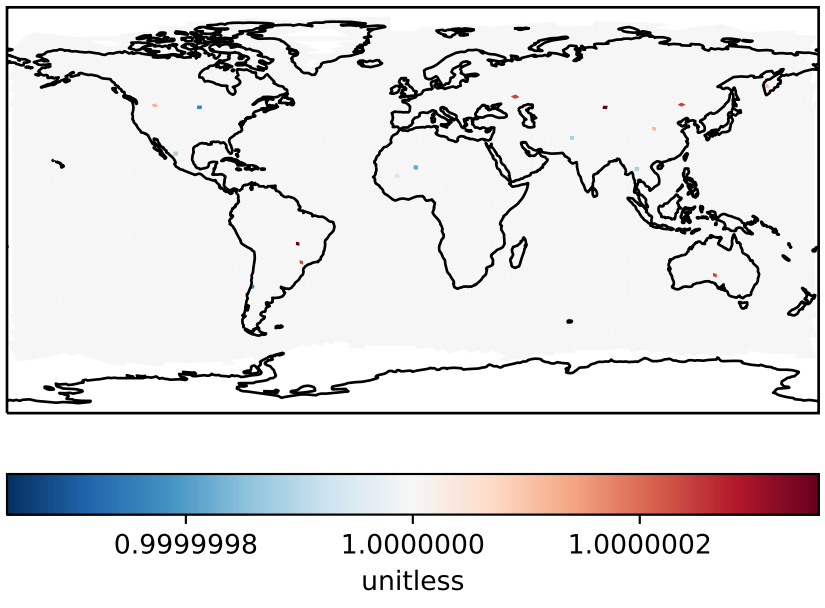
Difference
Dev - Ref, Dynamic Range



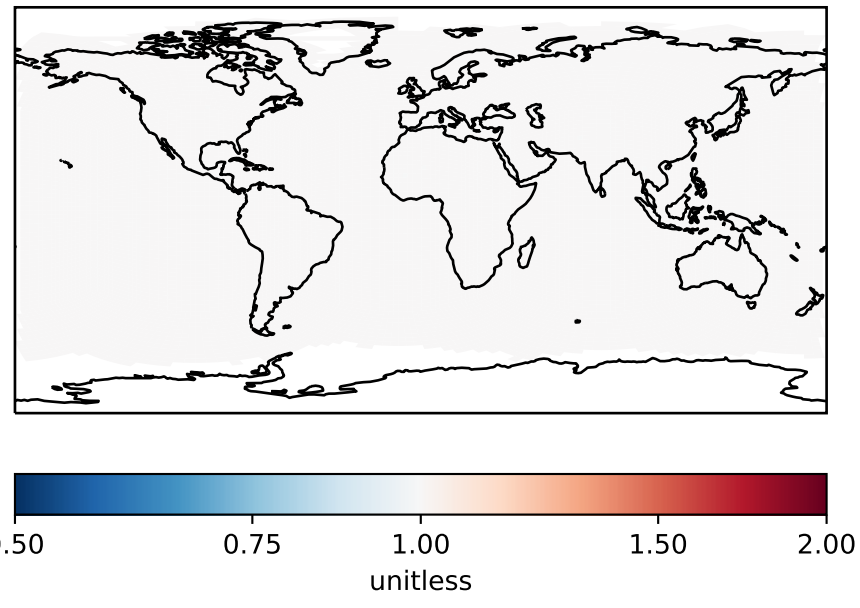
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

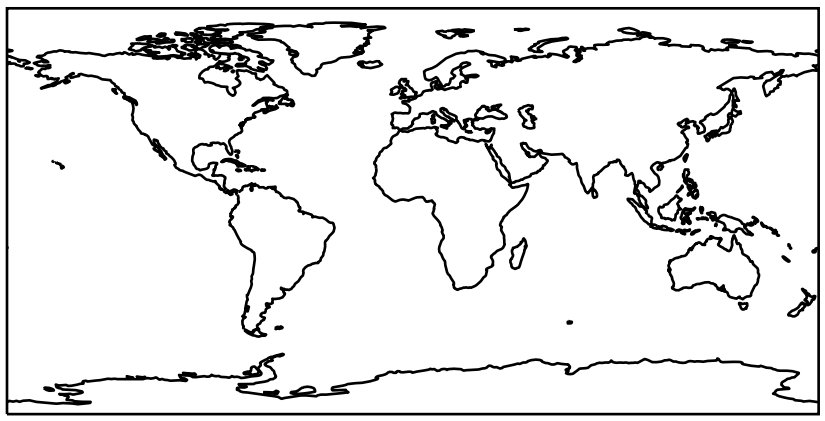


Ratio
Dev/Ref, Fixed Range



EmisISOP_Anthro

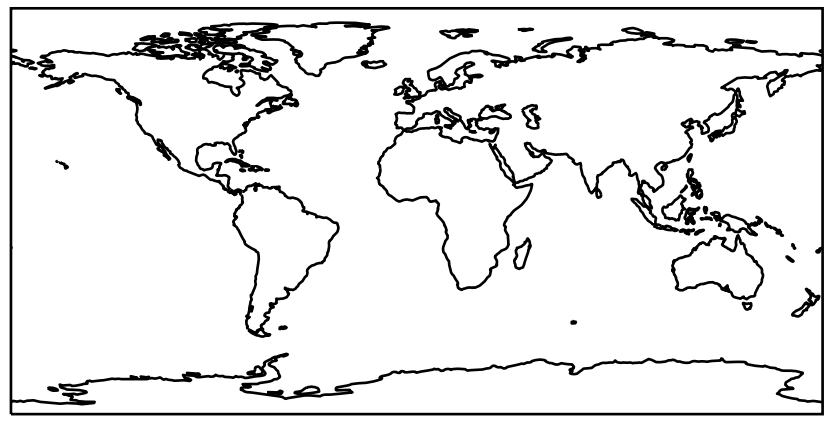
GCHP_13.2.0 (Ref)
c48





Zero throughout domain
kg/m2/s

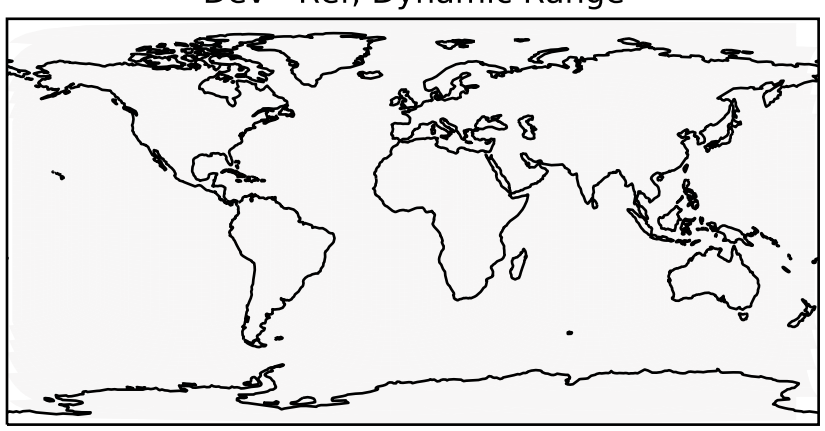
GCHP_13.3.0-rc.1 (Dev)
c48





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kg/m2/s

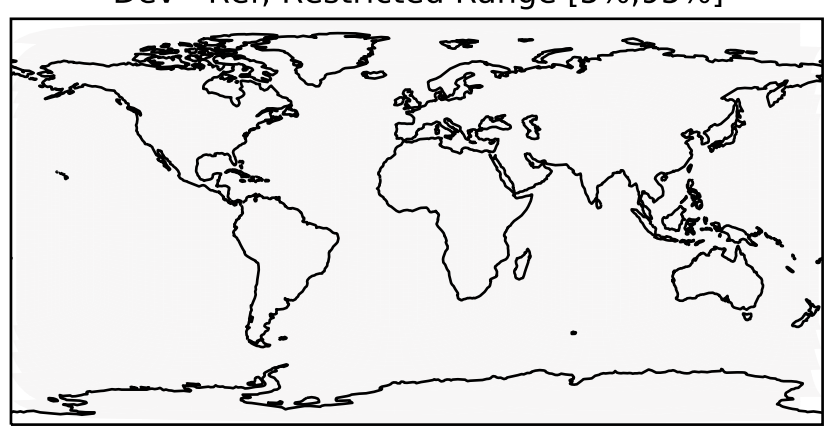
Difference
Dev - Ref, Dynamic Range





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kg/m2/s

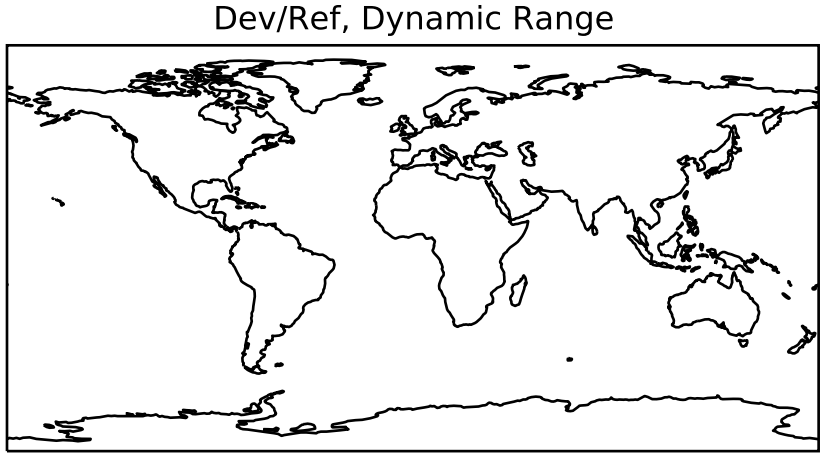
Difference
Dev - Ref, Restricted Range [5%,95%]





Zero throughout domain
kg/m2/s

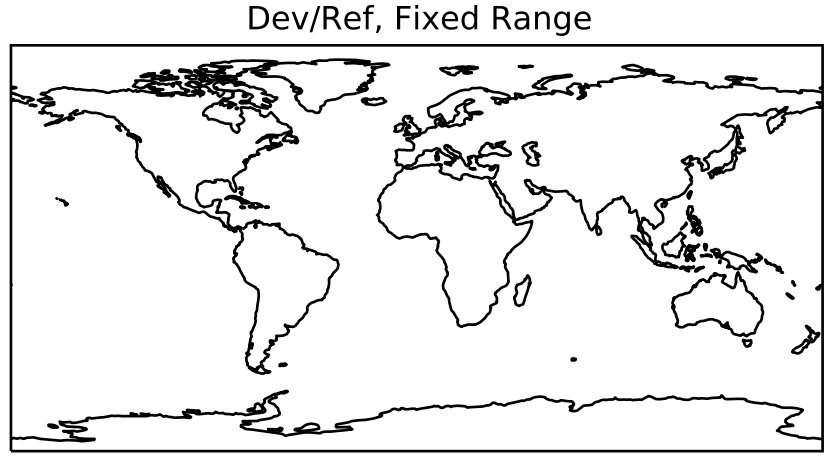
Ratio
Dev/Ref, Dynamic Range





Undefined throughout domain
unitless

Ratio
Dev/Ref, Fixed Range

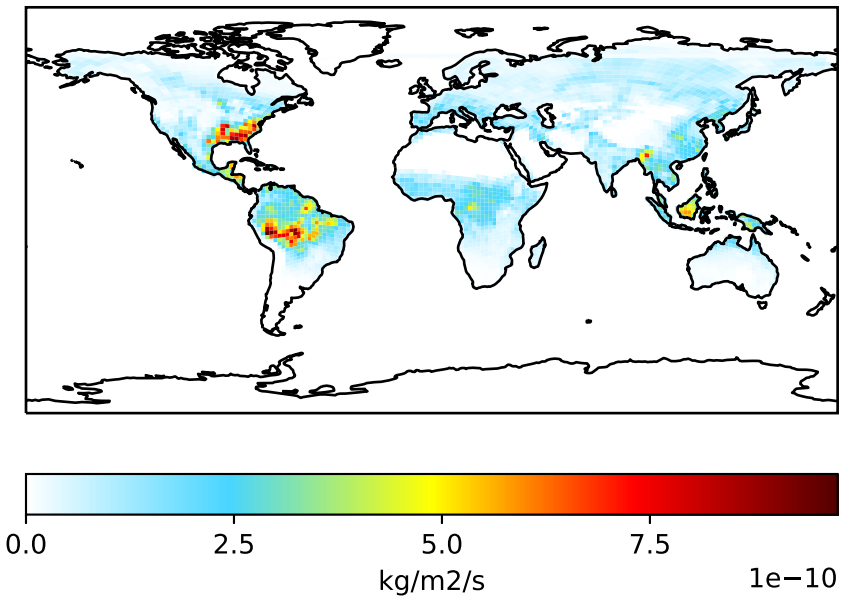




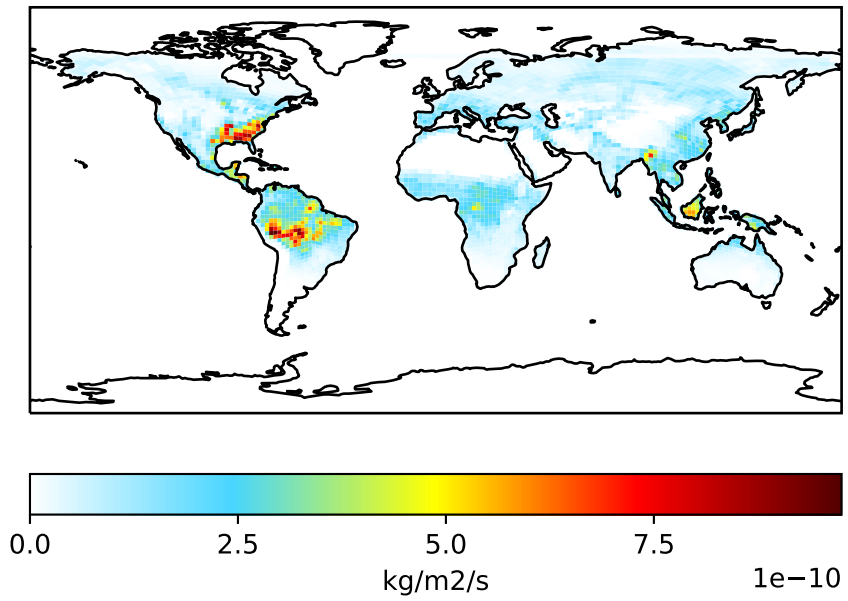
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unitless

EmisISOP_Biogenic

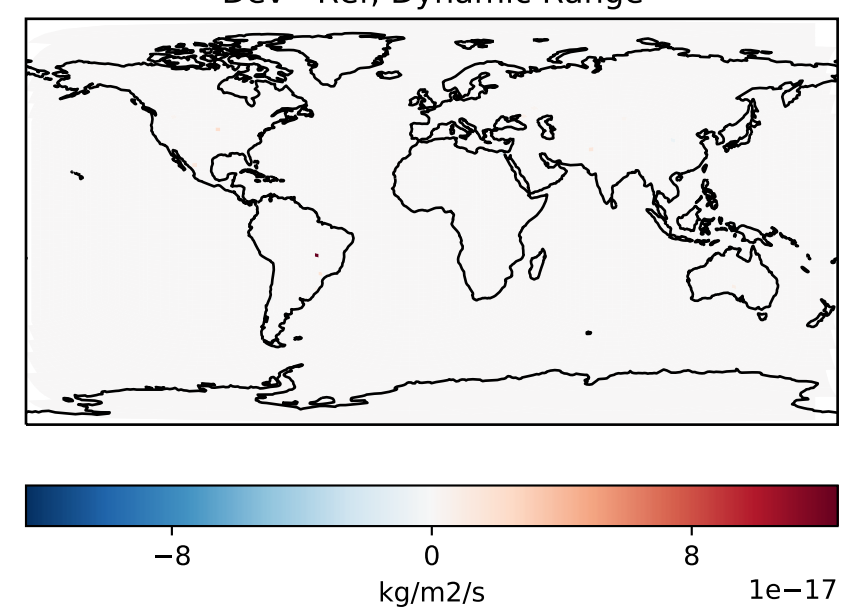
GCHP_13.2.0 (Ref)
c48



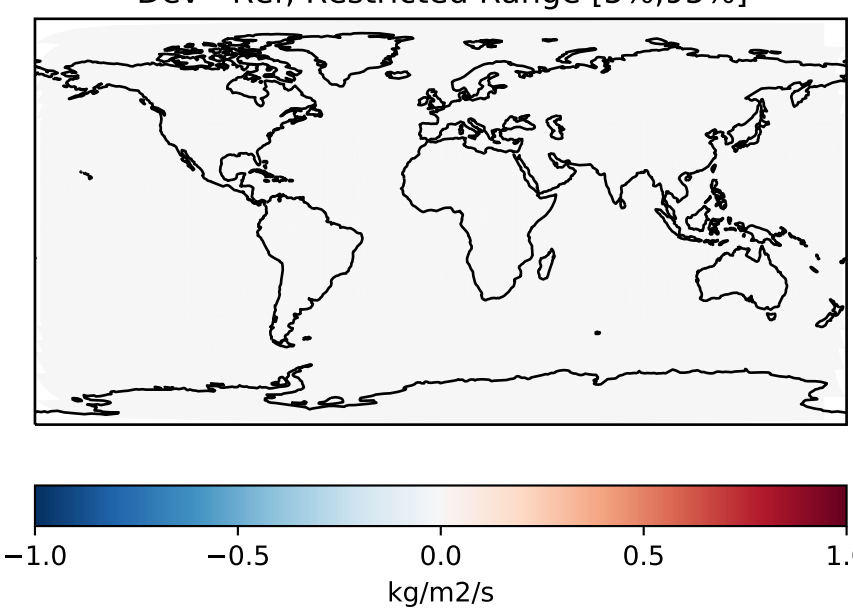
GCHP_13.3.0-rc.1 (Dev)
c48



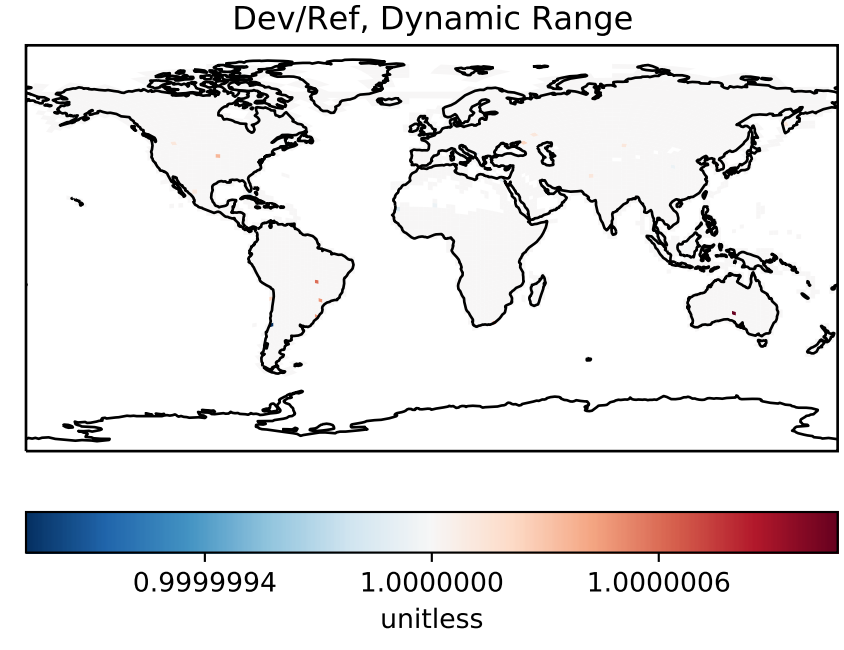
Difference
Dev - Ref, Dynamic Range



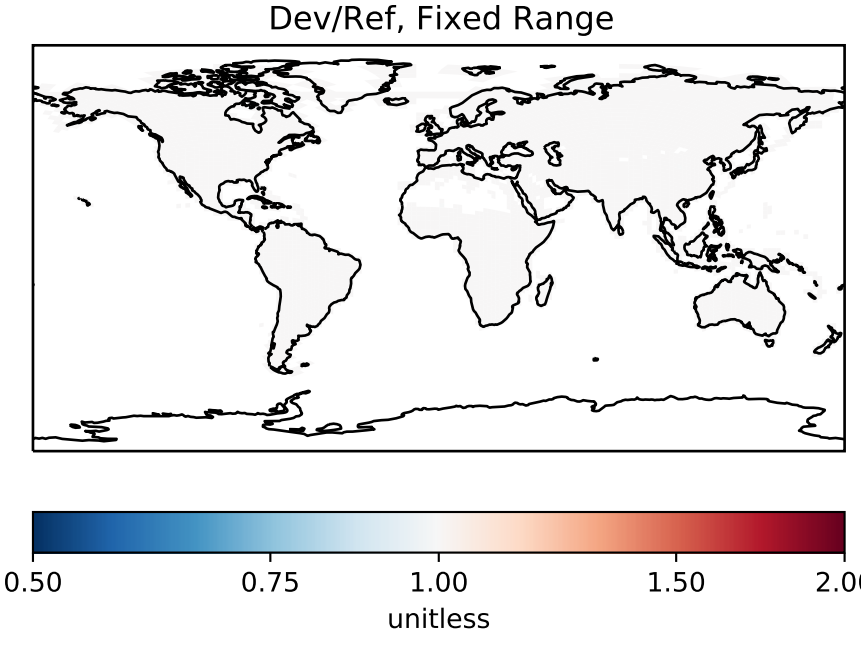
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

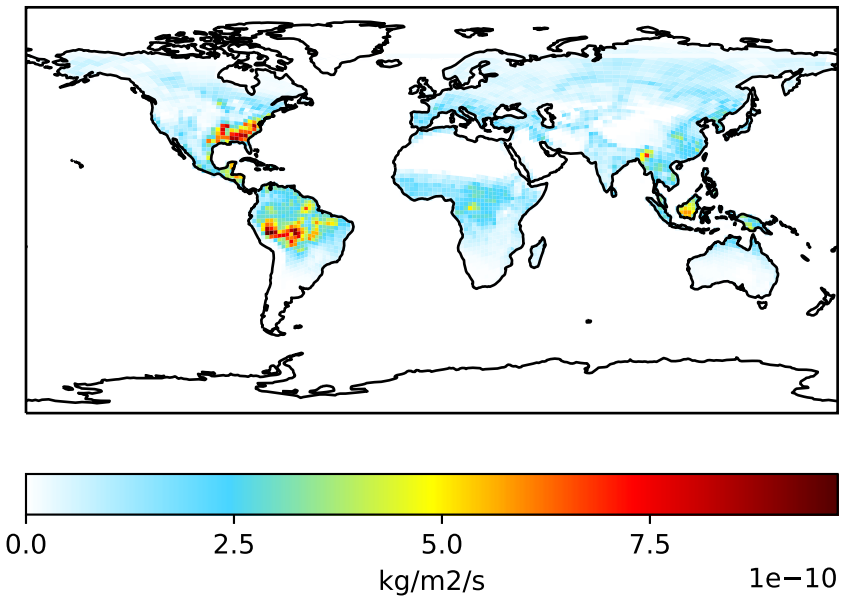


Ratio
Dev/Ref, Fixed Range

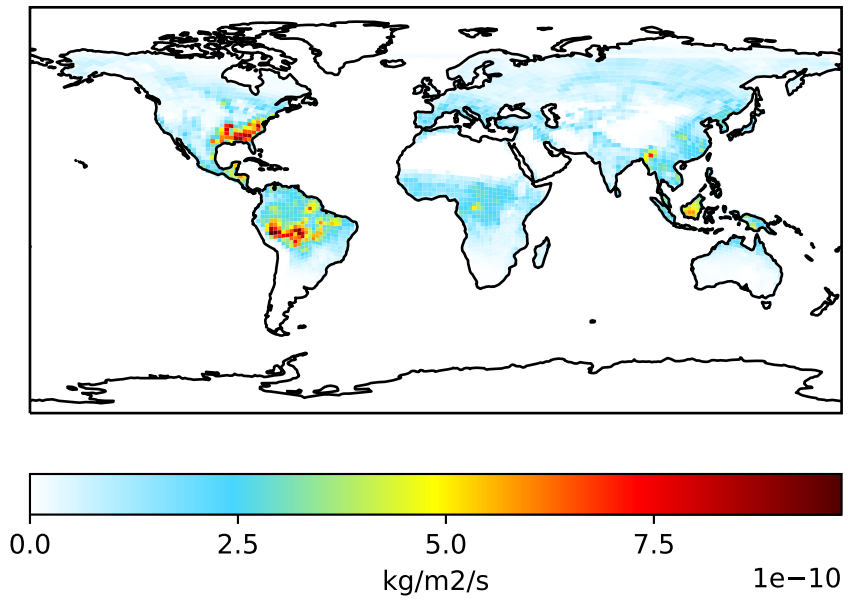


EmisISOP_Total

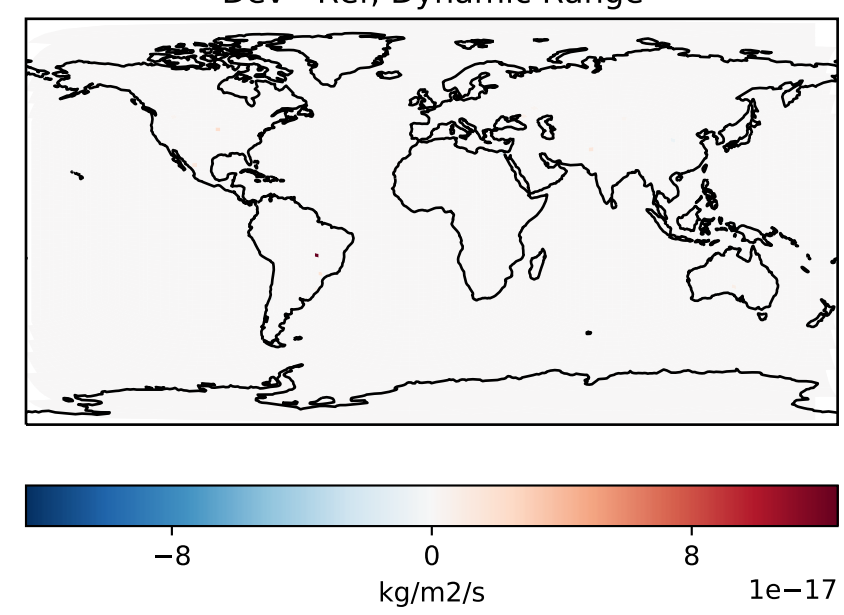
GCHP_13.2.0 (Ref)
c48



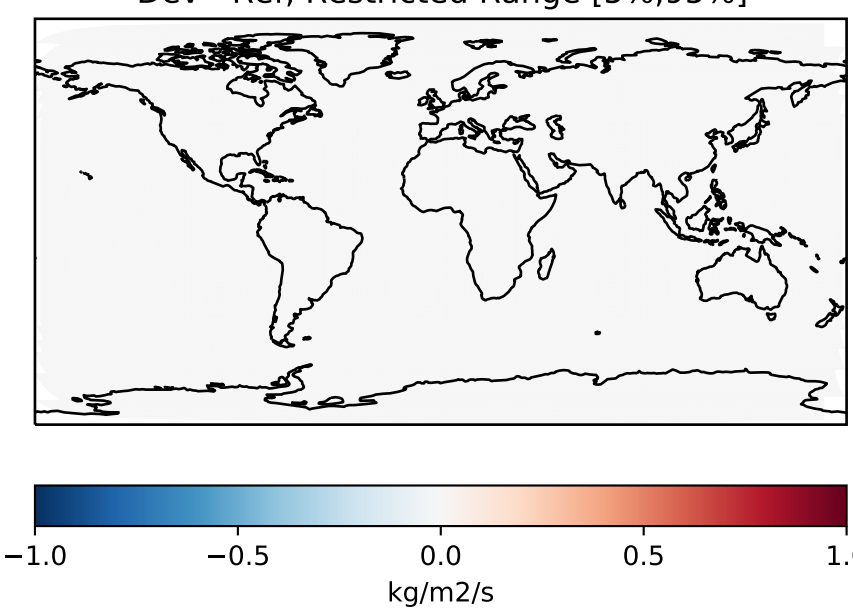
GCHP_13.3.0-rc.1 (Dev)
c48



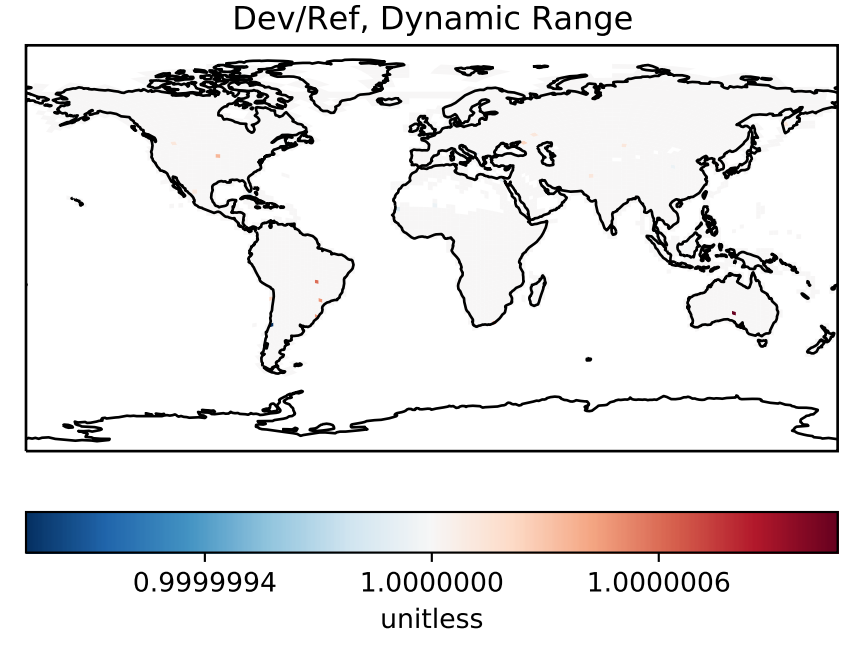
Difference
Dev - Ref, Dynamic Range



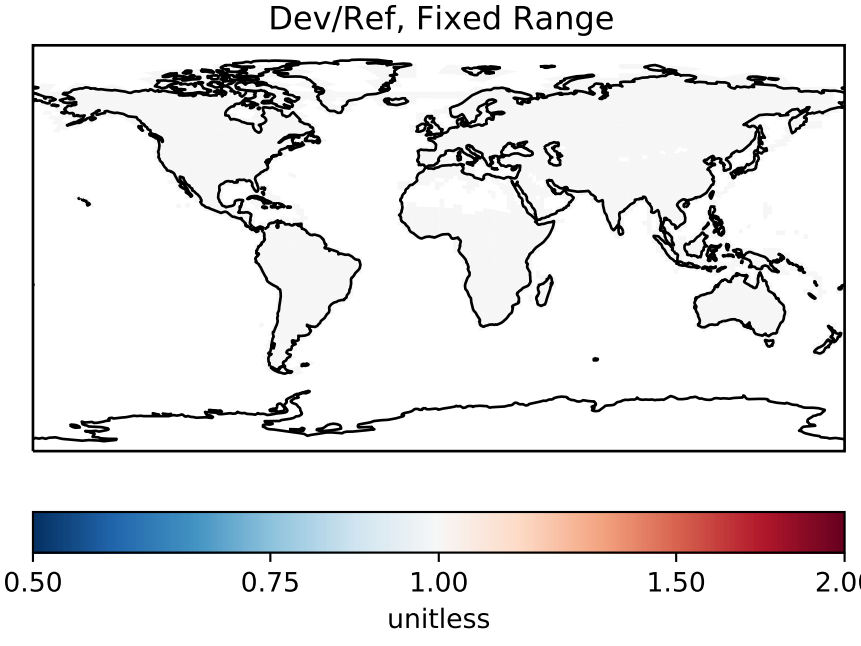
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

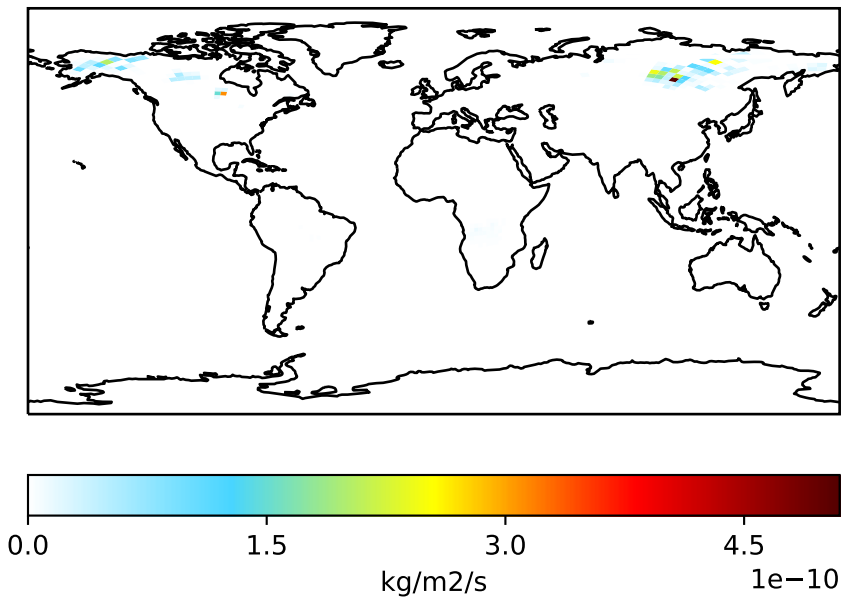


Ratio
Dev/Ref, Fixed Range

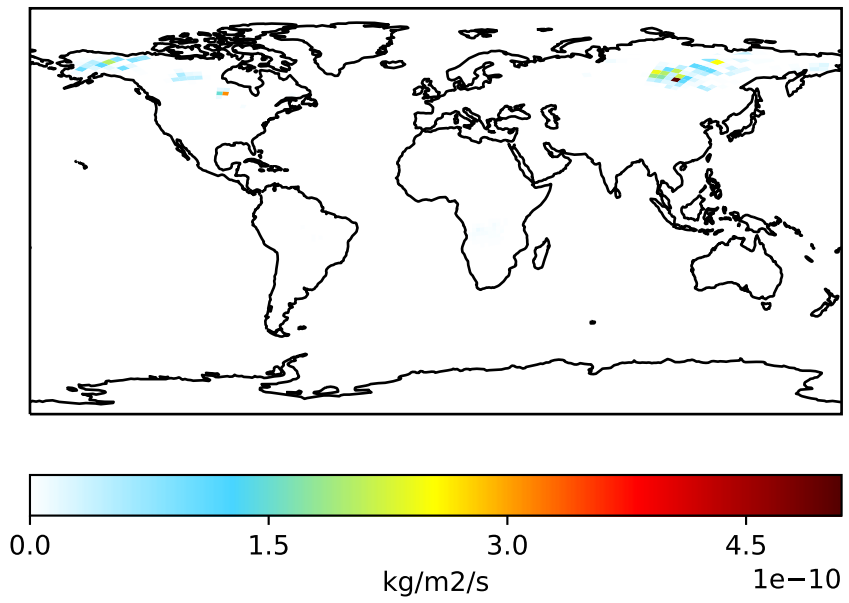


EmisMTPA_BioBurn

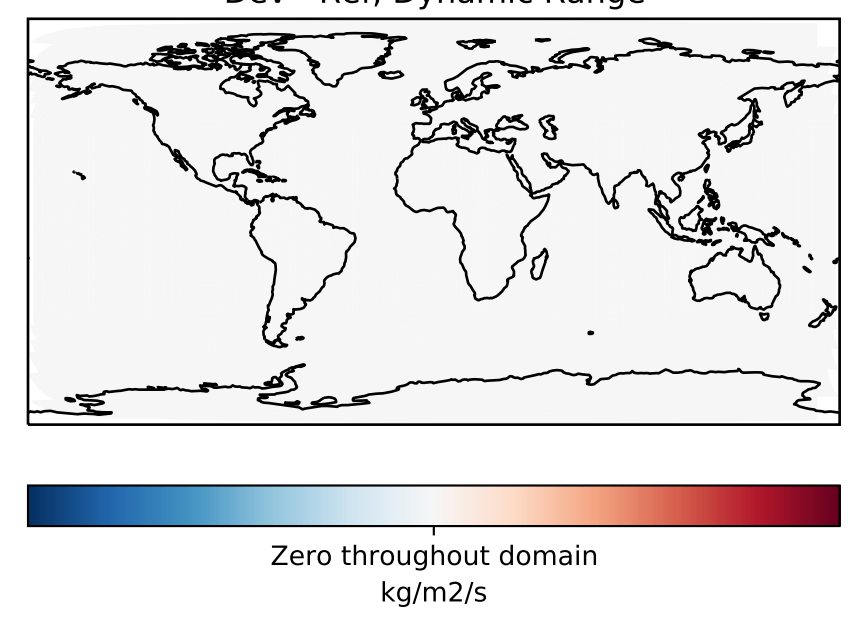
GCHP_13.2.0 (Ref)
c48



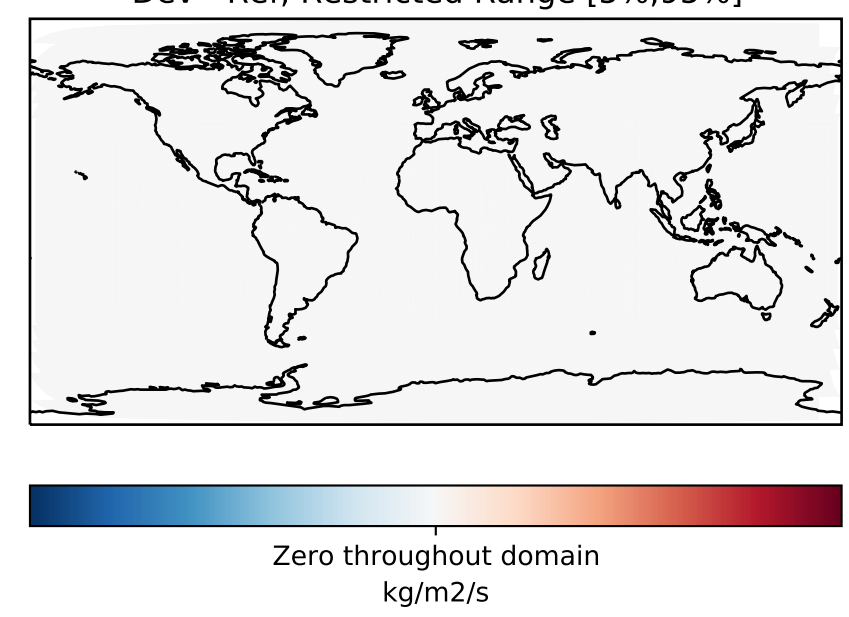
GCHP_13.3.0-rc.1 (Dev)
c48



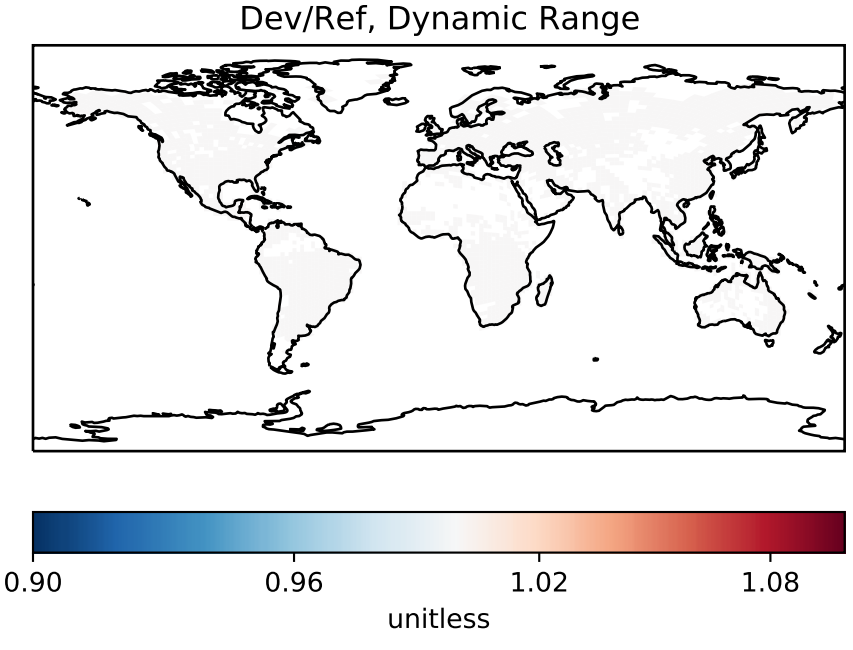
Difference
Dev - Ref, Dynamic Range



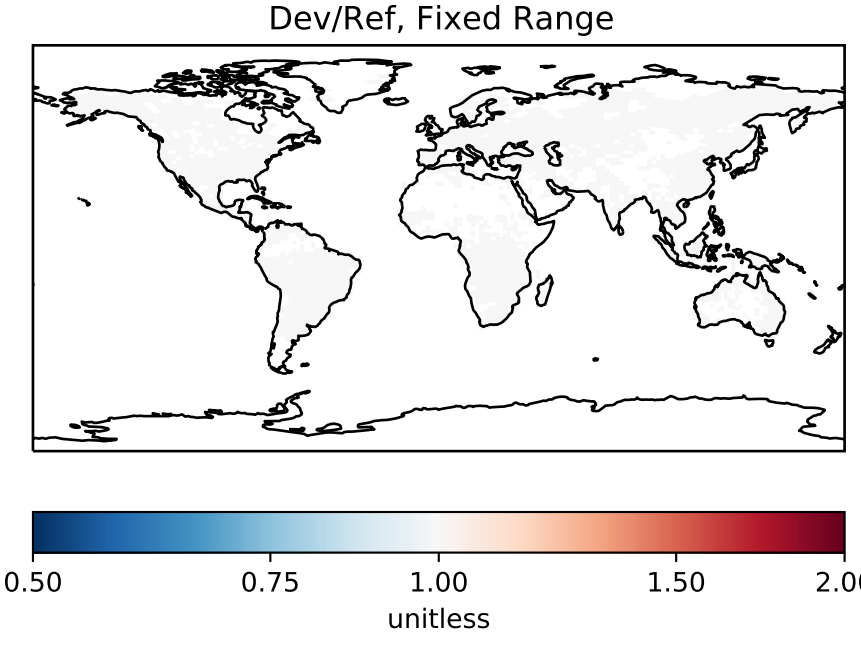
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

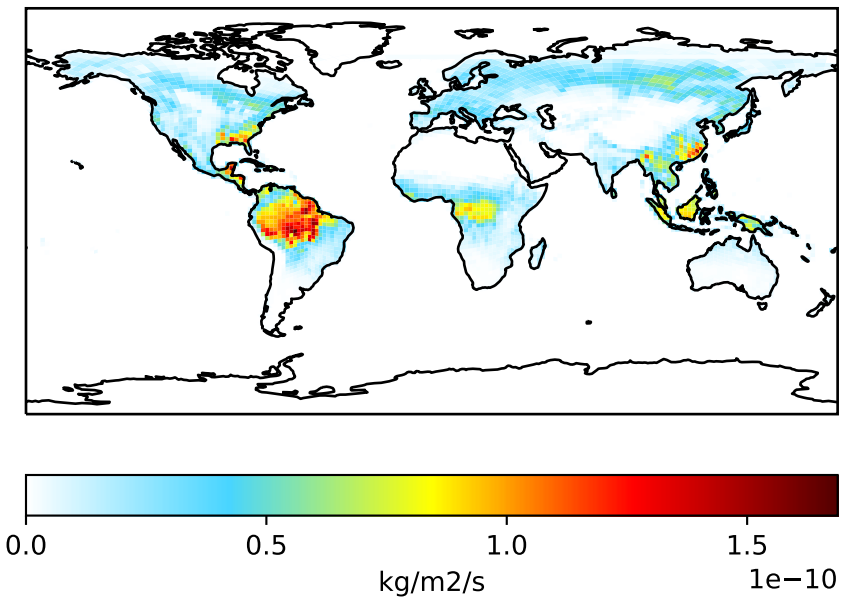


Ratio
Dev/Ref, Fixed Range

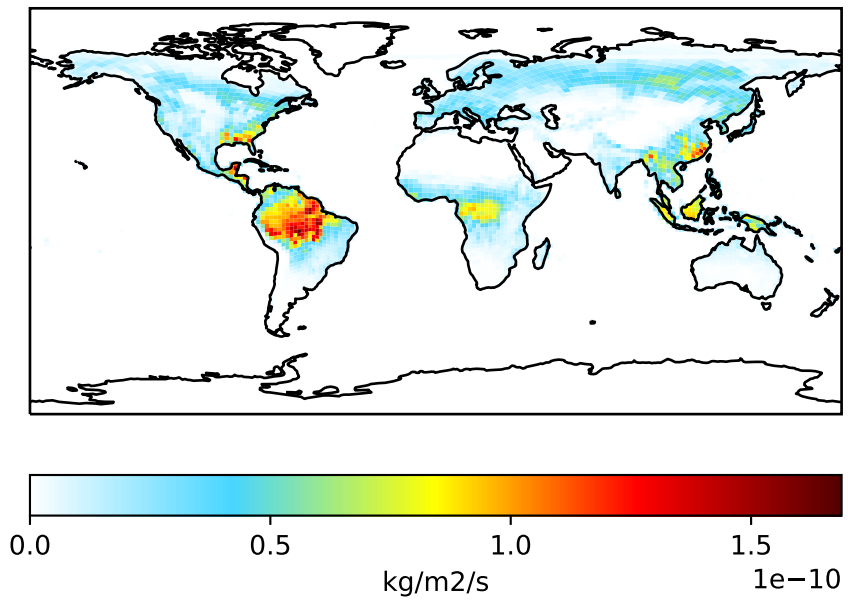


EmisMTPA_Biogenic

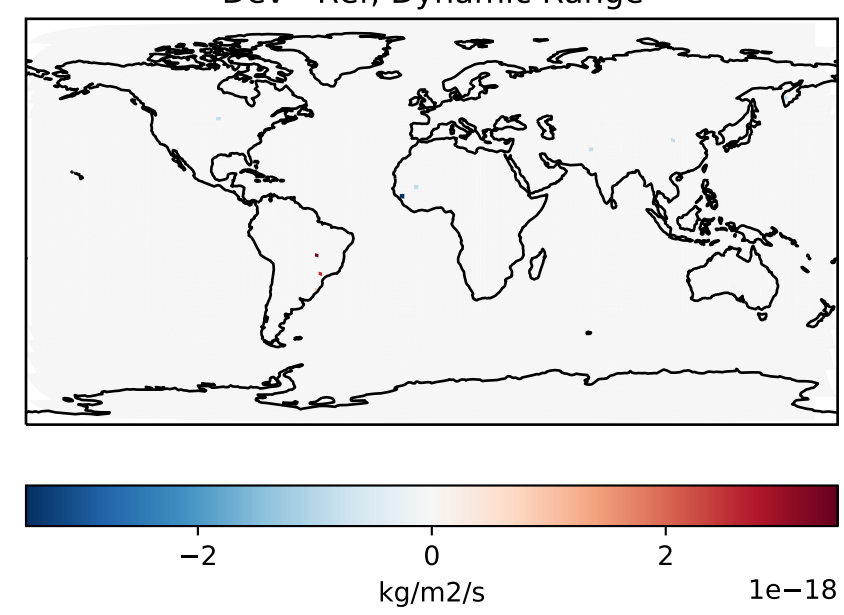
GCHP_13.2.0 (Ref)
c48



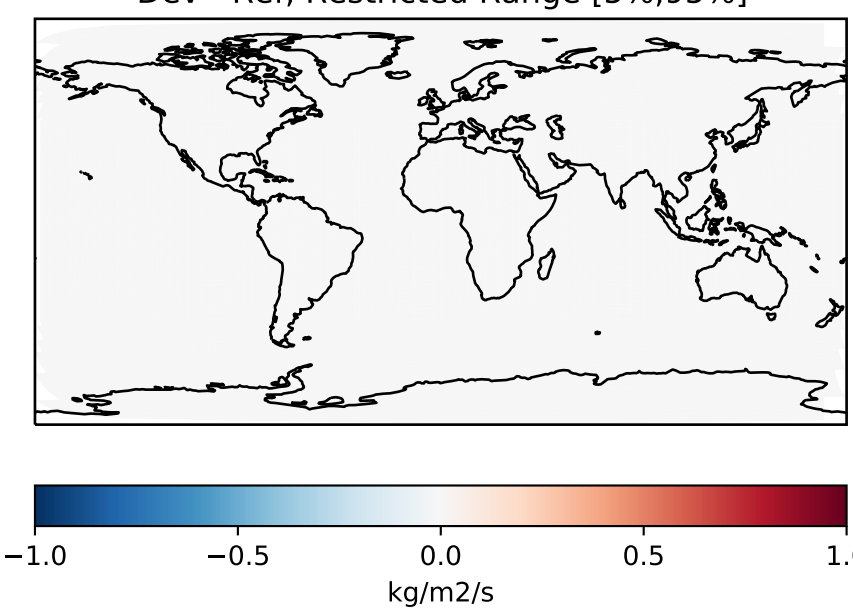
GCHP_13.3.0-rc.1 (Dev)
c48



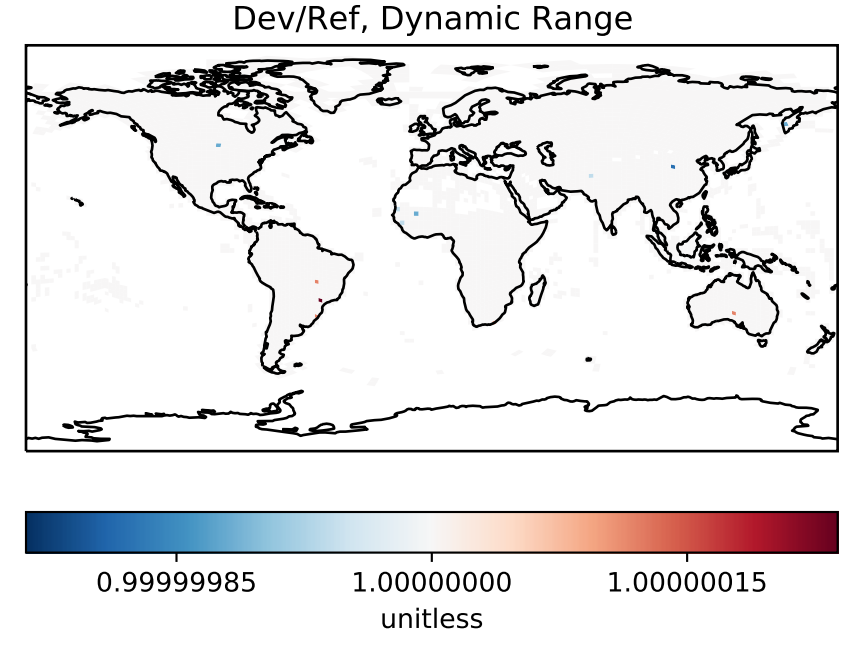
Difference
Dev - Ref, Dynamic Range



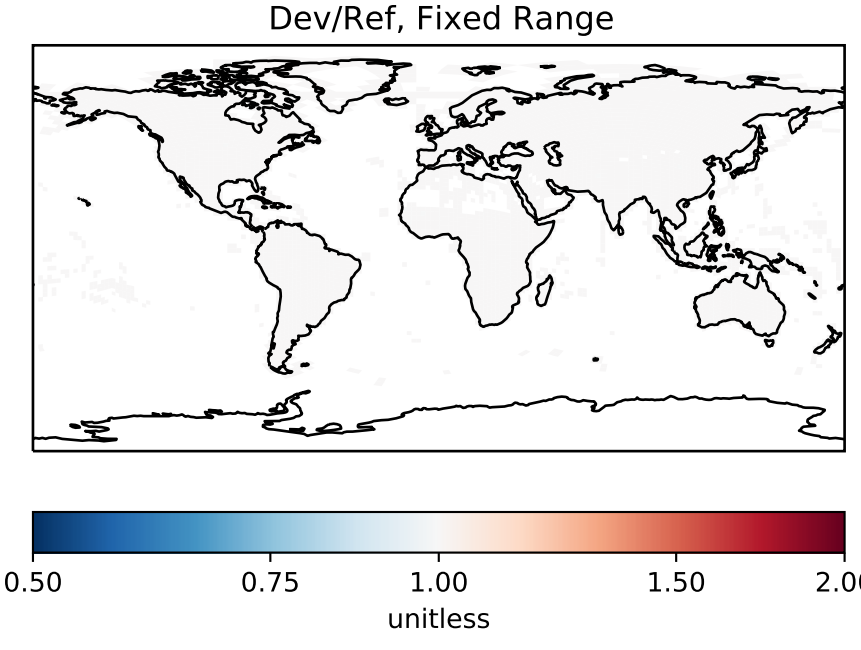
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

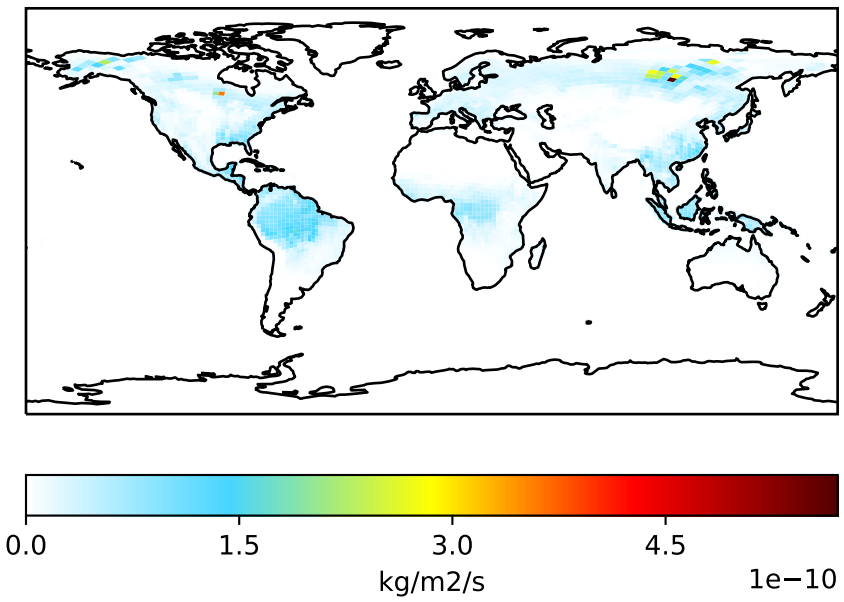


Ratio
Dev/Ref, Fixed Range

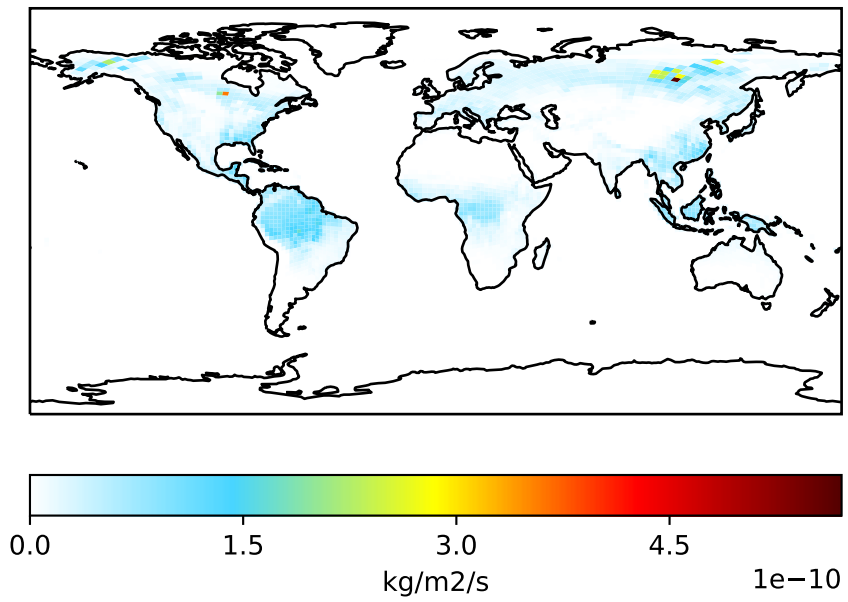


EmisMTPA_Total

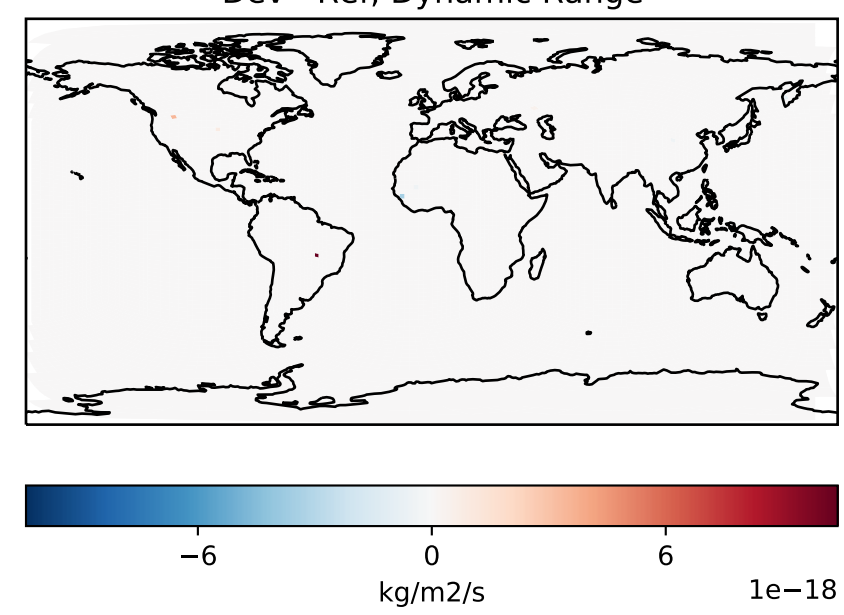
GCHP_13.2.0 (Ref)
c48



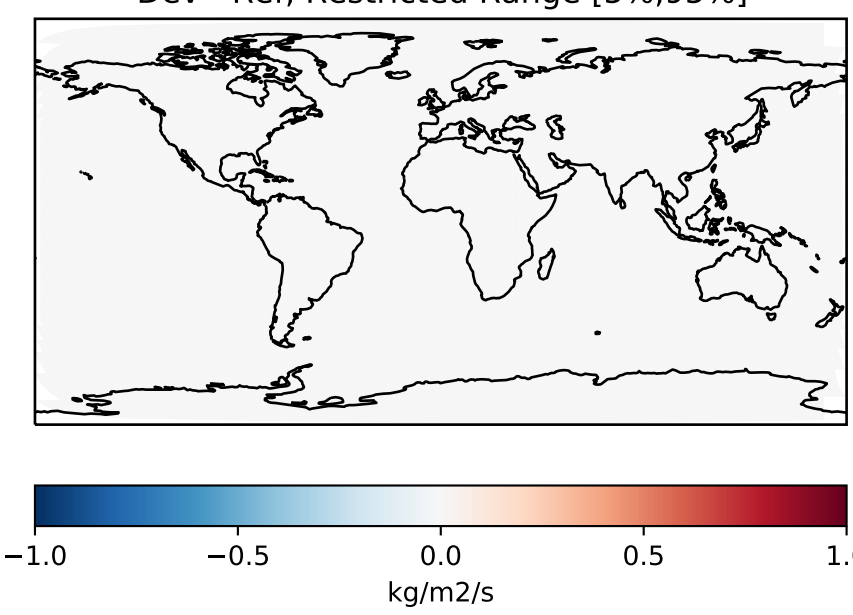
GCHP_13.3.0-rc.1 (Dev)
c48



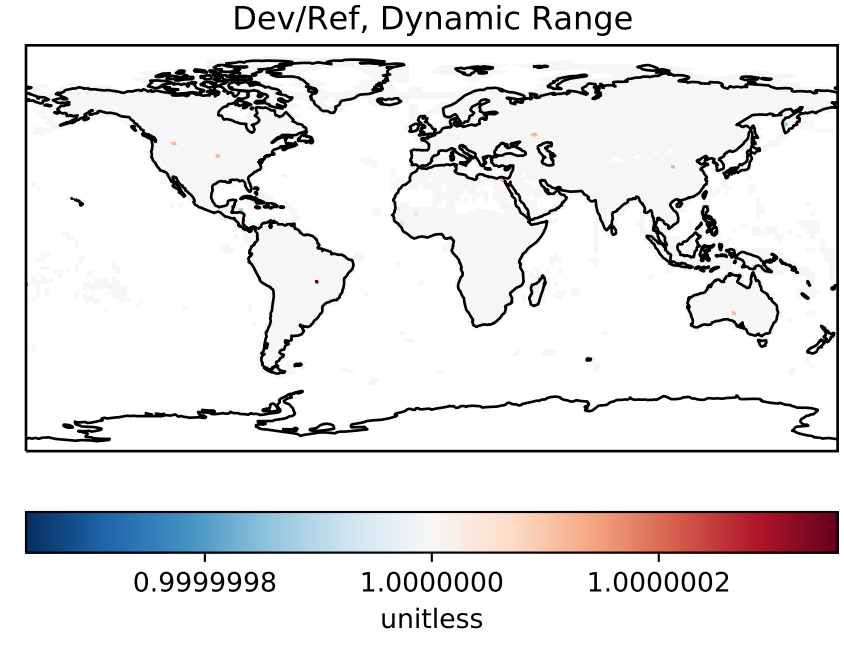
Difference
Dev - Ref, Dynamic Range



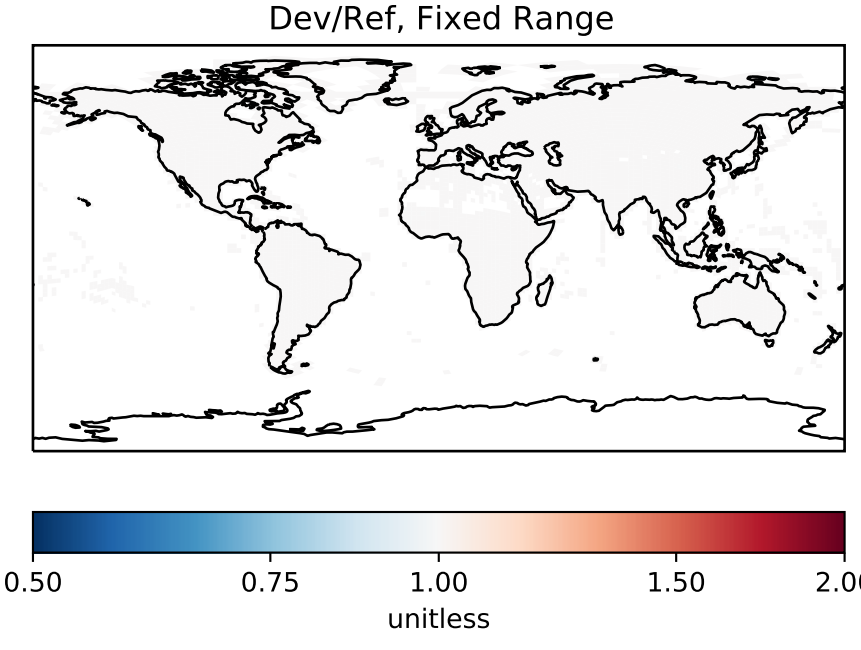
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

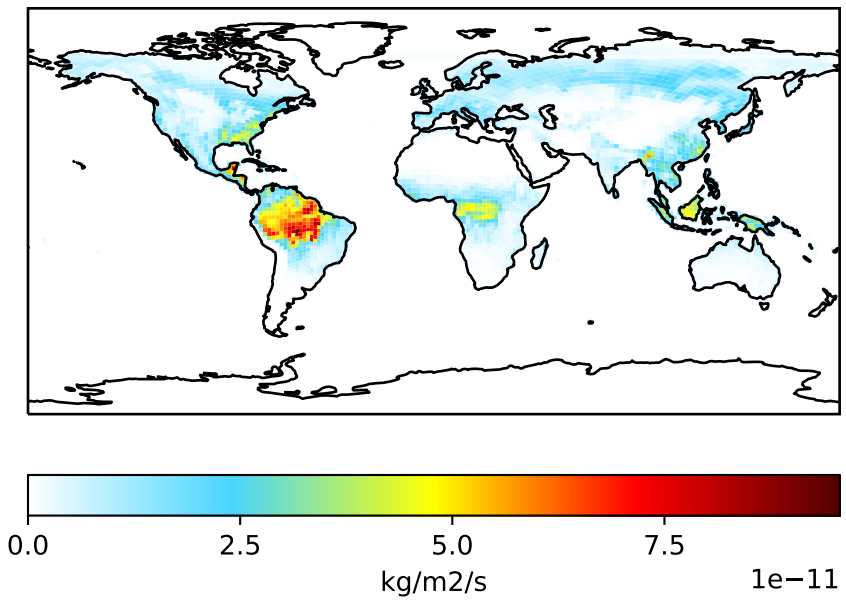


Ratio
Dev/Ref, Fixed Range

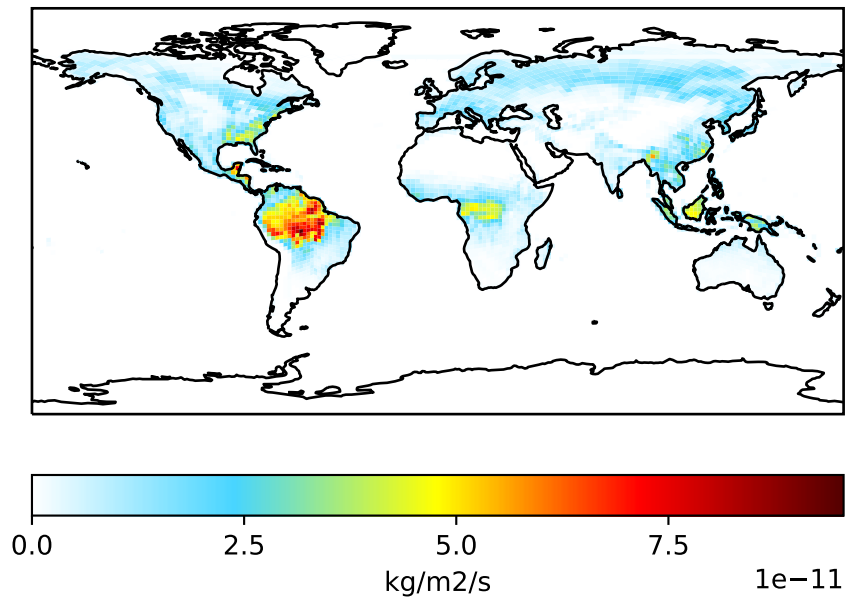


EmisMTPO_Biogenic

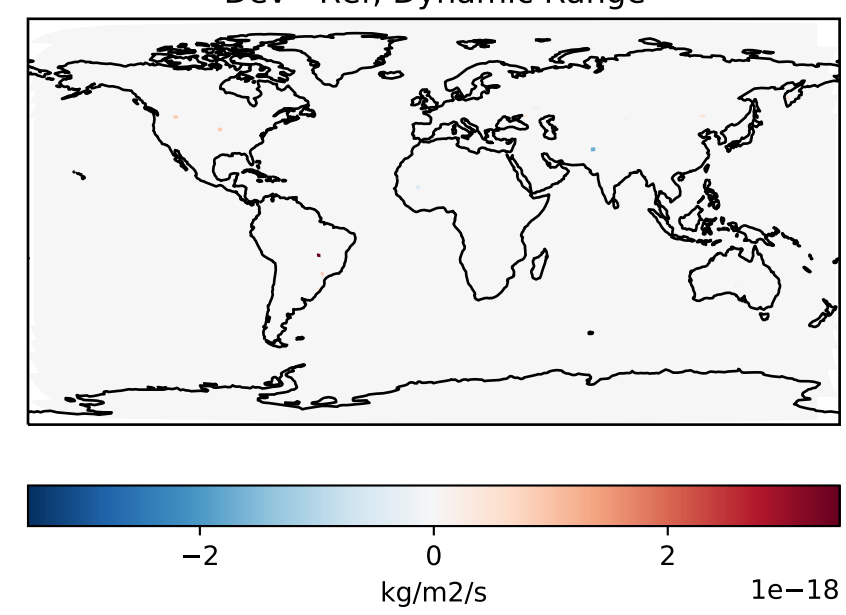
GCHP_13.2.0 (Ref)
c48



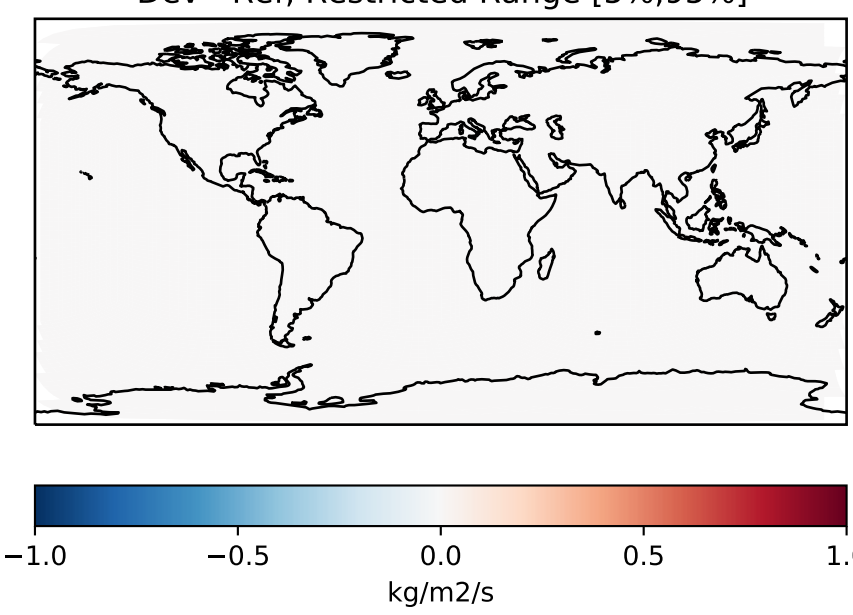
GCHP_13.3.0-rc.1 (Dev)
c48



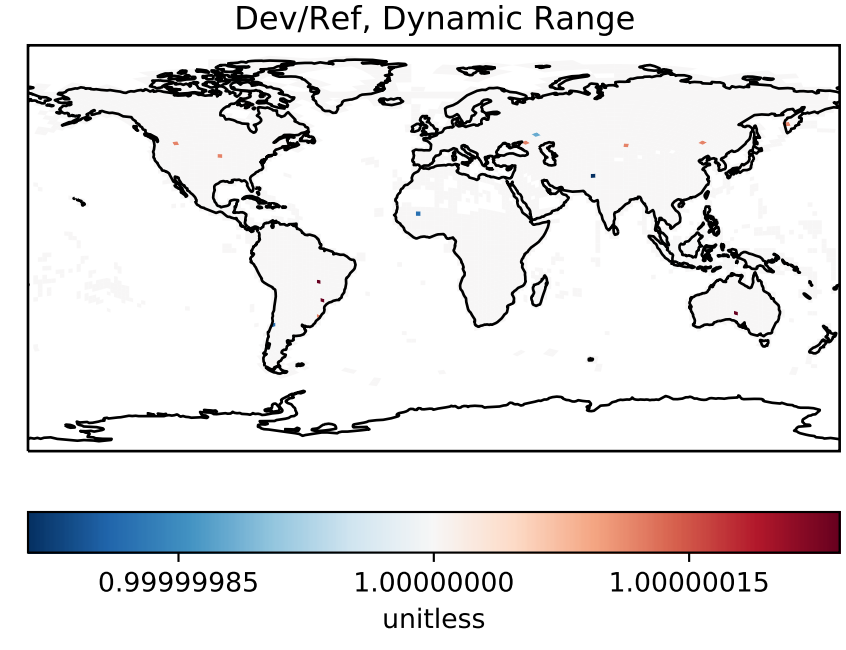
Difference
Dev - Ref, Dynamic Range



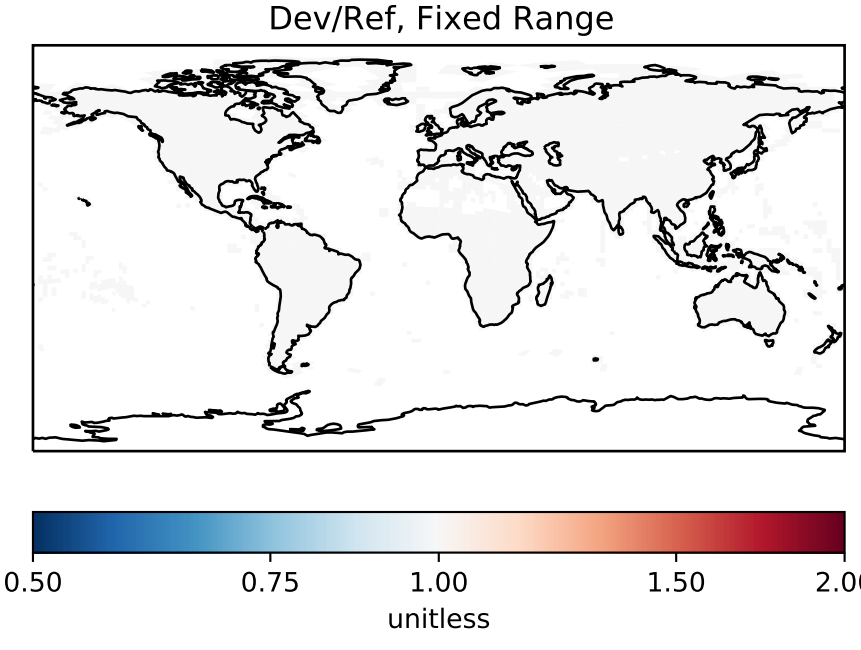
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

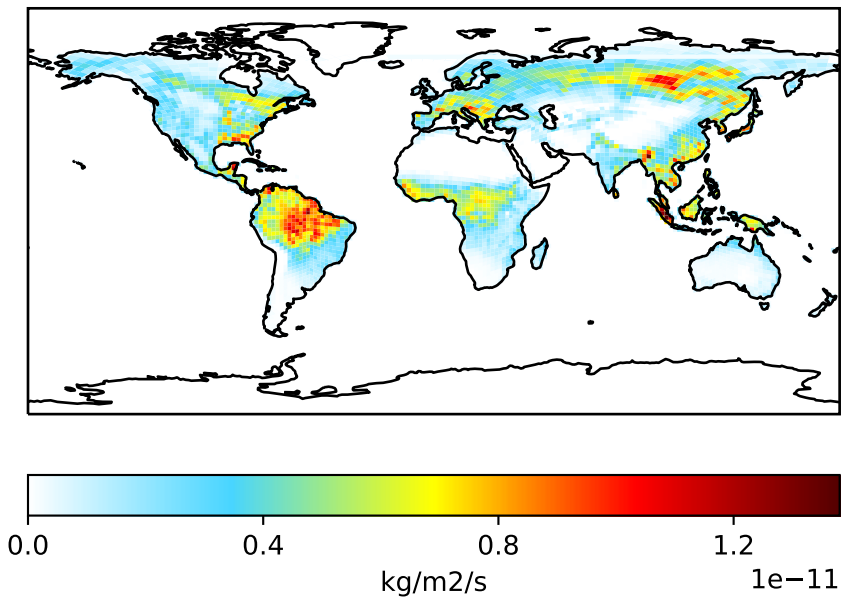


Ratio
Dev/Ref, Fixed Range

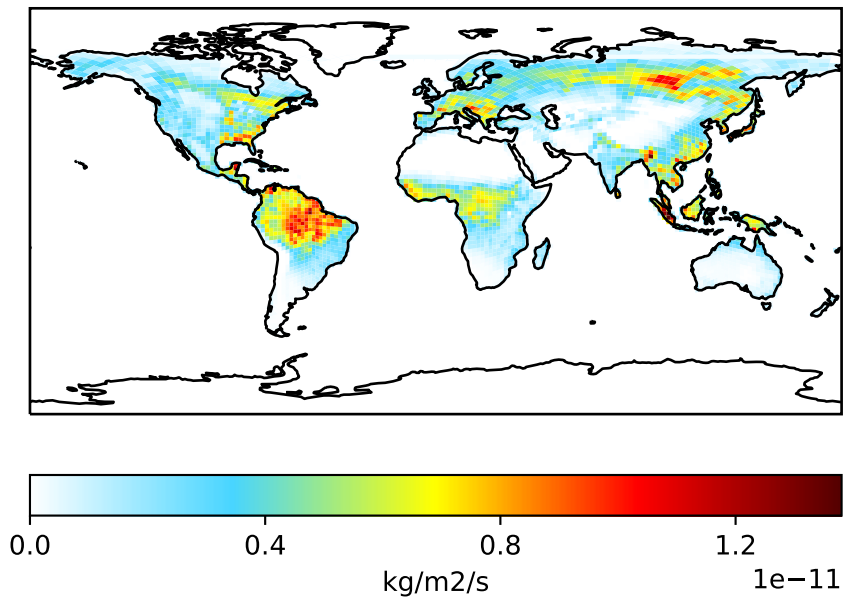


EmisLIMO_Biogenic

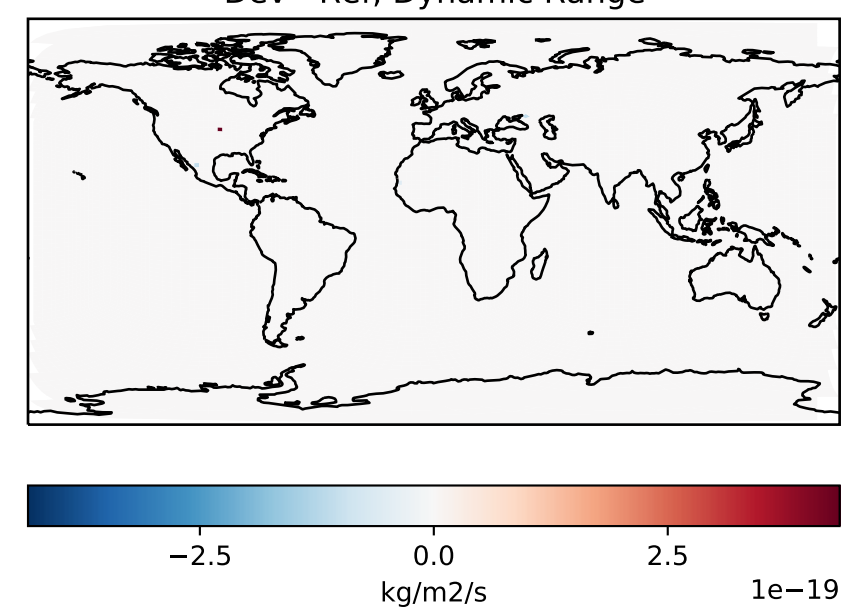
GCHP_13.2.0 (Ref)
c48



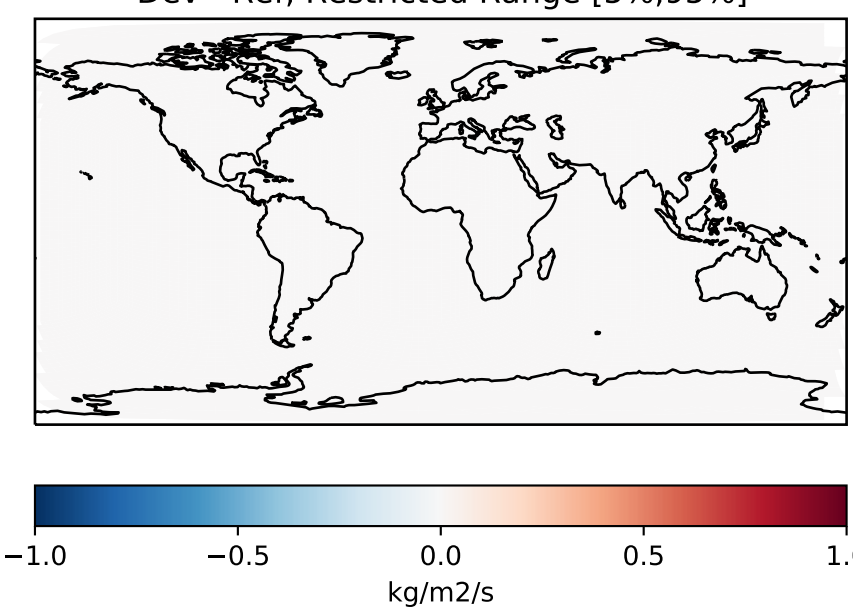
GCHP_13.3.0-rc.1 (Dev)
c48



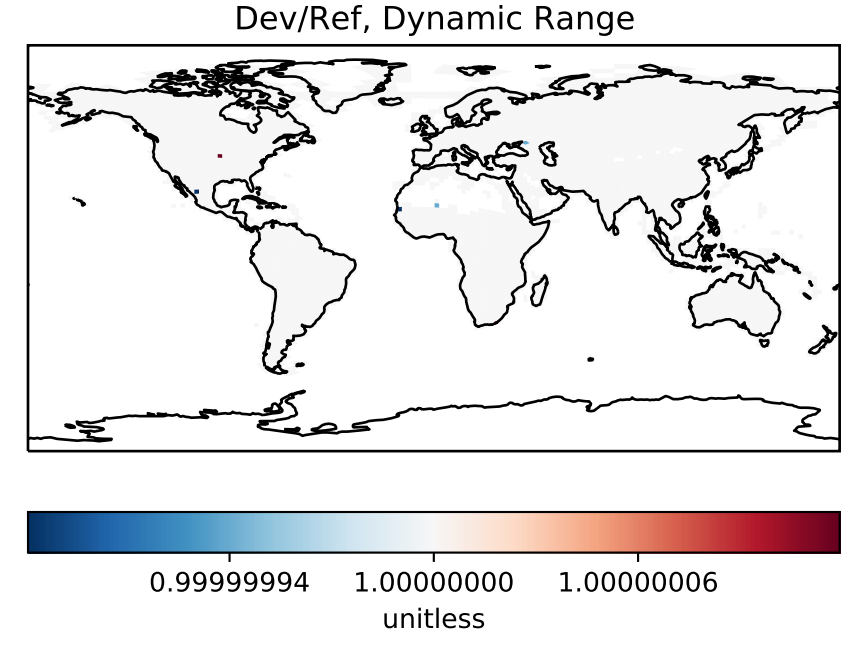
Difference
Dev - Ref, Dynamic Range



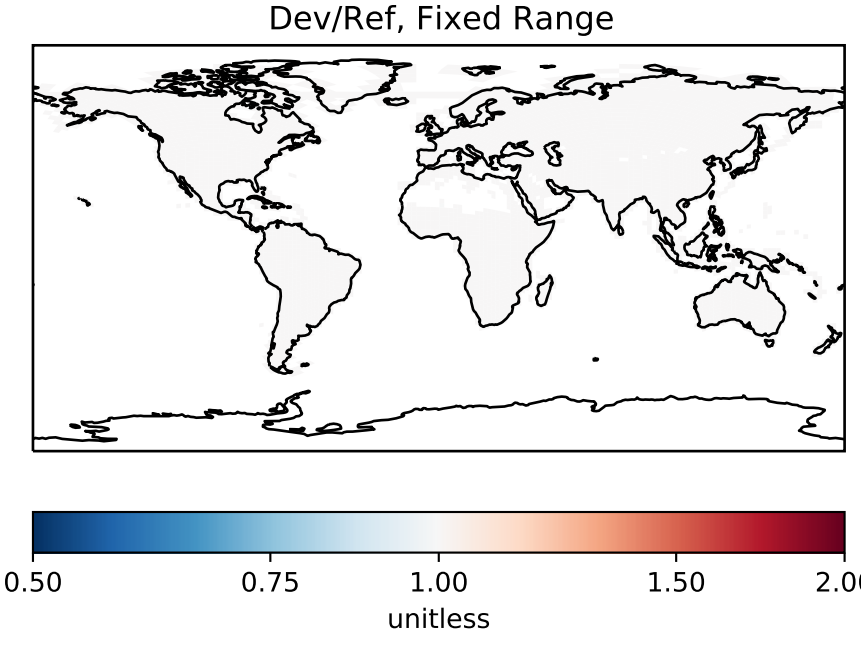
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

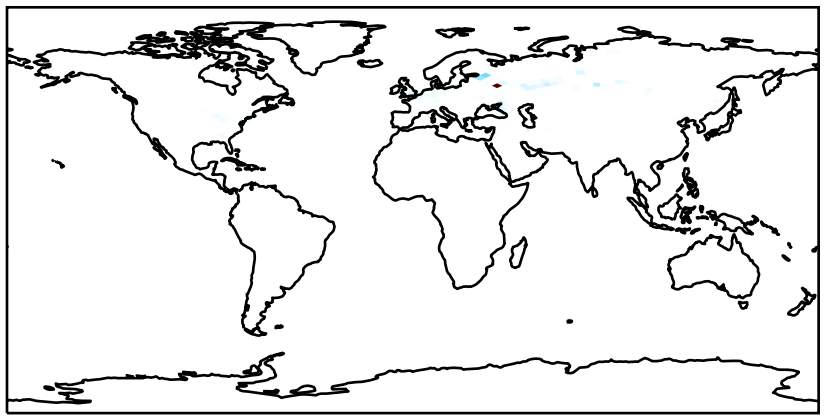


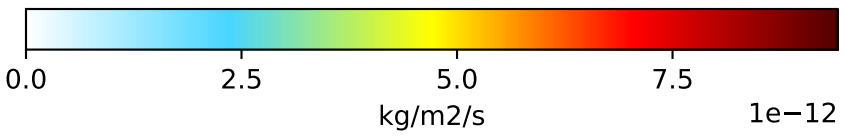
Ratio
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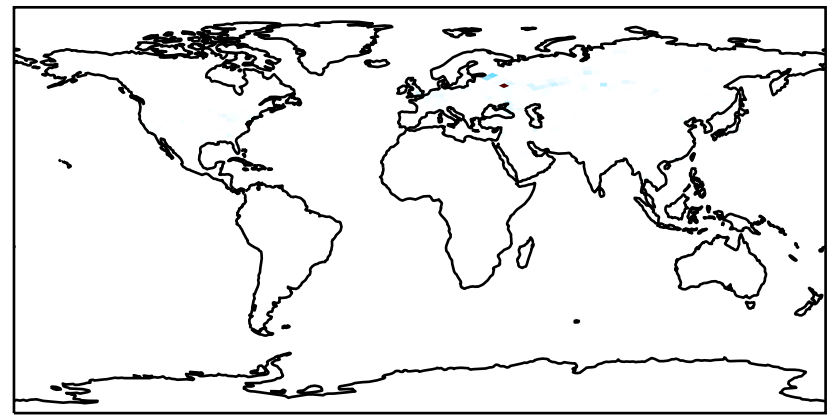
EmisALK4_Aircraft

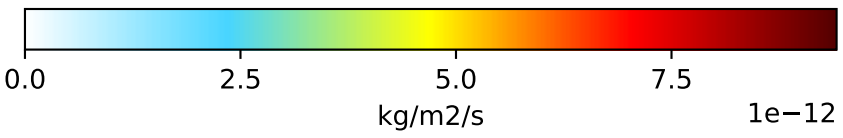
GCHP_13.2.0 (Ref)
c48



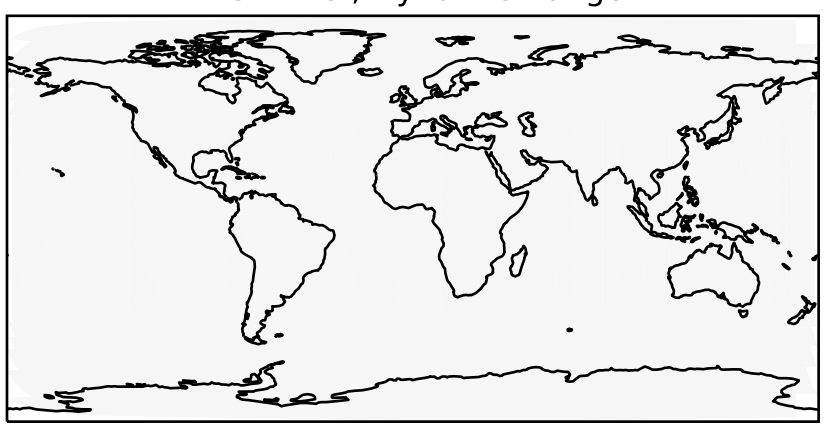


GCHP_13.3.0-rc.1 (Dev)
c48



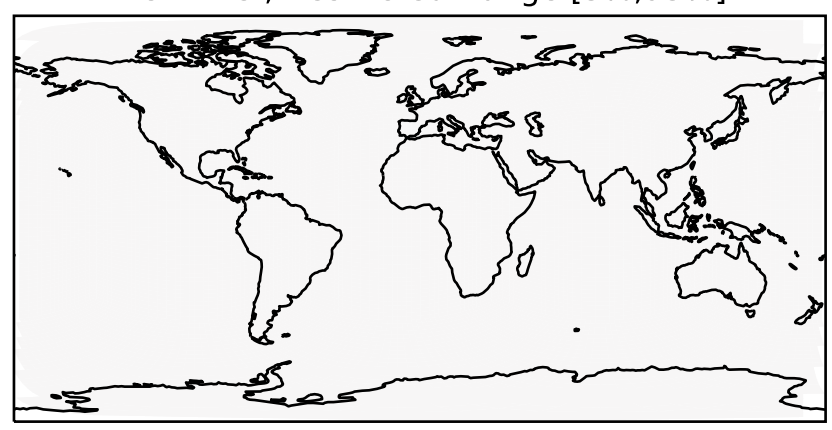


Difference
Dev - Ref, Dynamic Range



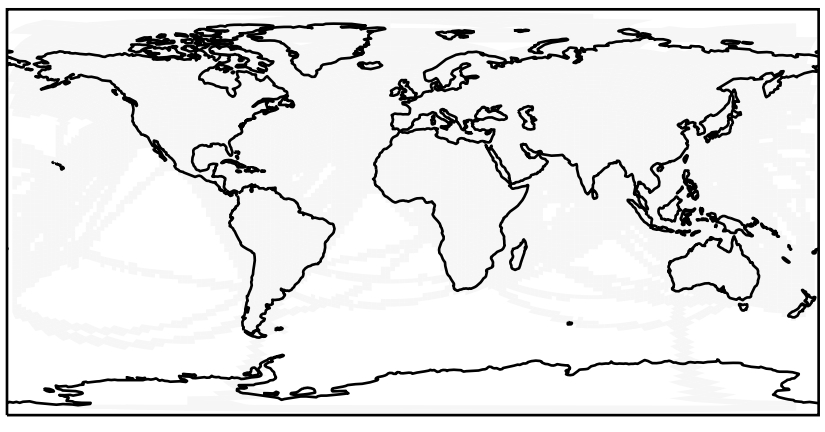


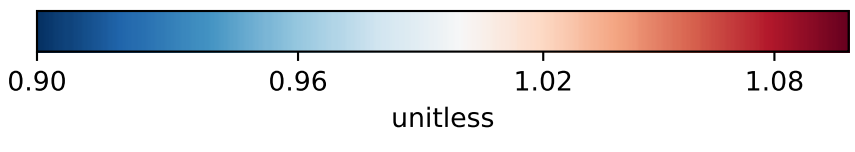
Difference
Dev - Ref, Restricted Range [5%,95%]



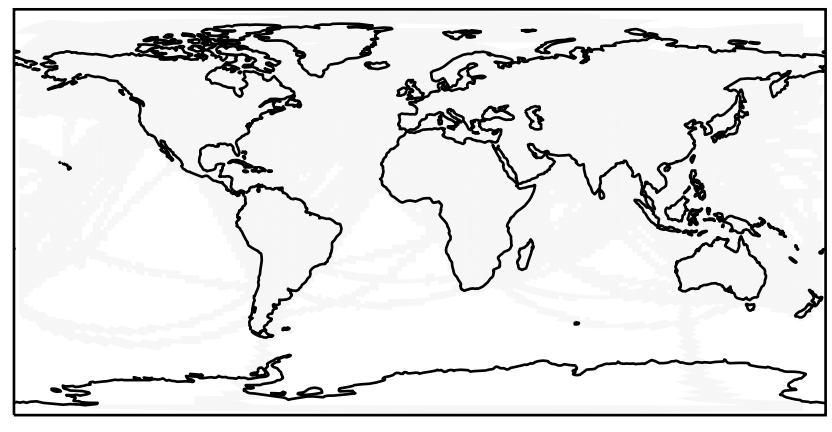


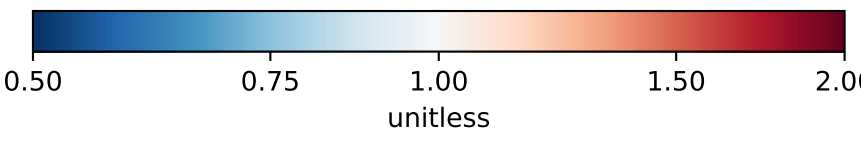
Ratio
Dev/Ref, Dynamic Range





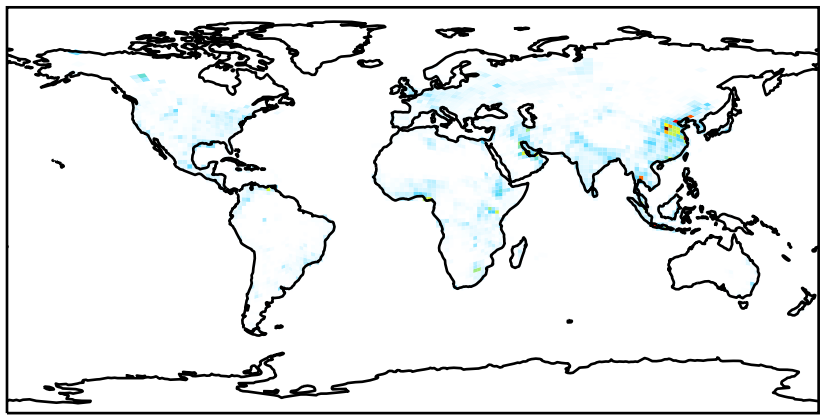
Ratio
Dev/Ref, Fixed Range

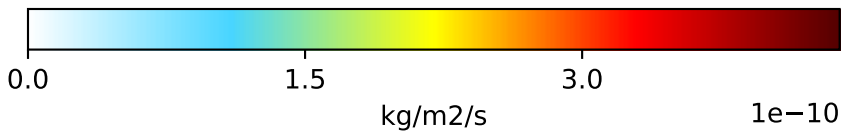




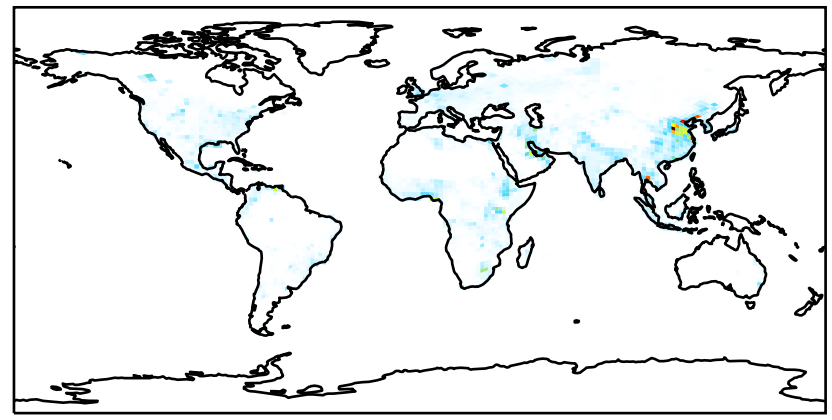
EmisALK4_Anthro

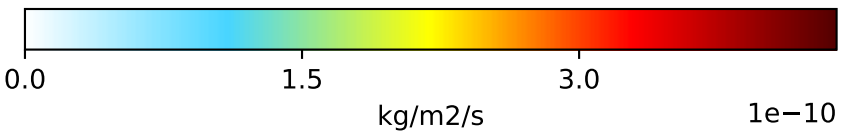
GCHP_13.2.0 (Ref)
c48



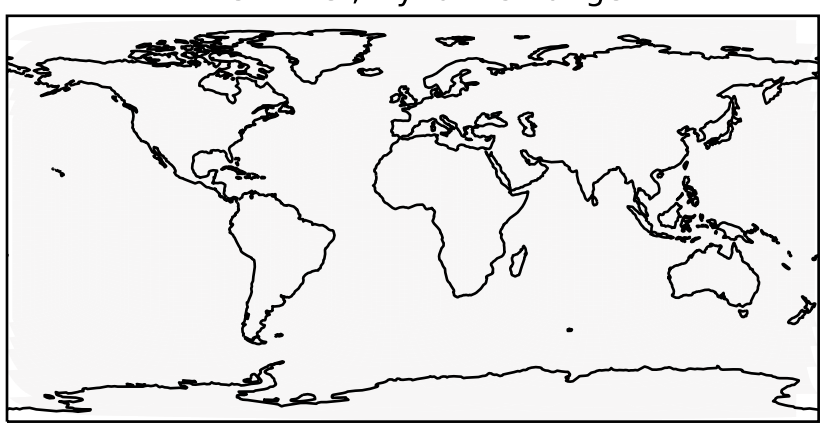


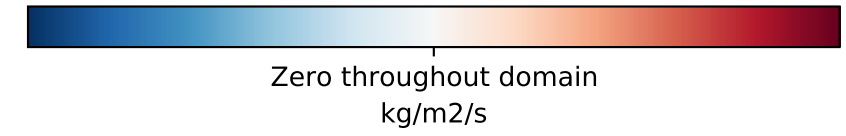
GCHP_13.3.0-rc.1 (Dev)
c48



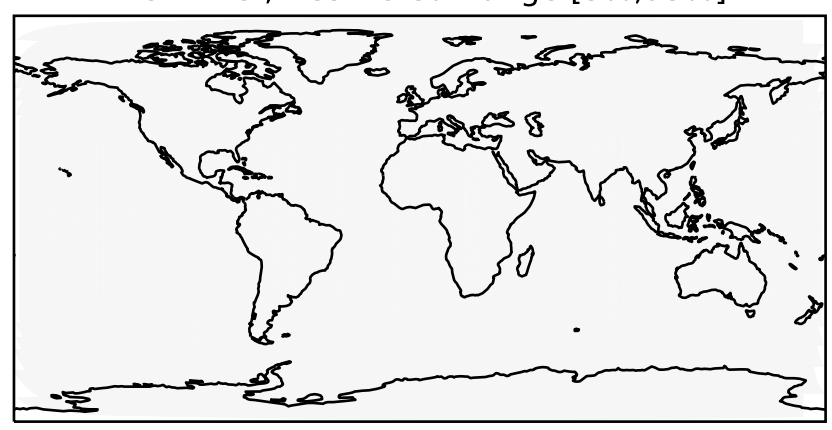


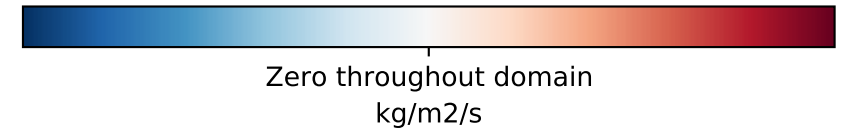
Difference
Dev - Ref, Dynamic Range



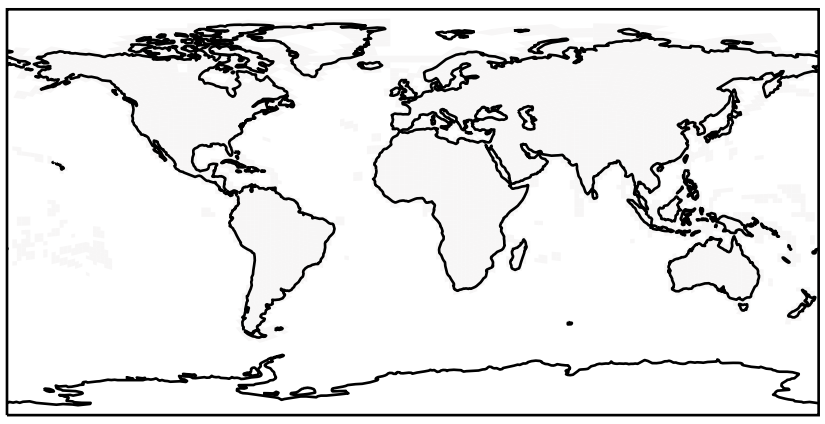


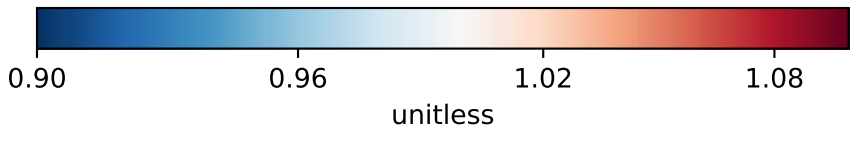
Difference
Dev - Ref, Restricted Range [5%,95%]



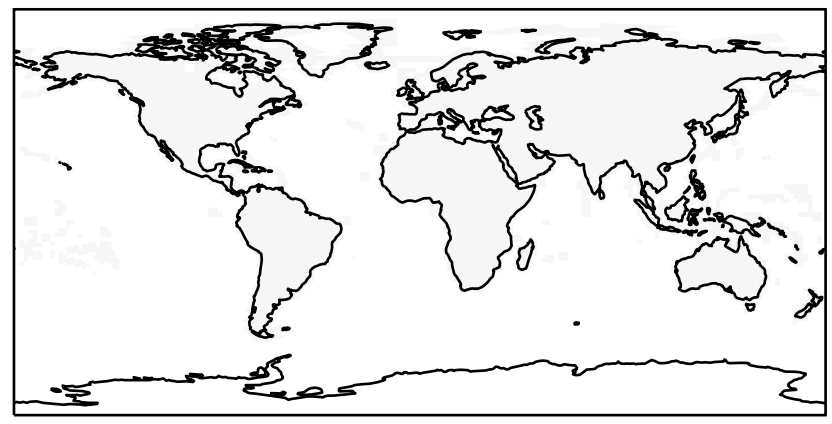


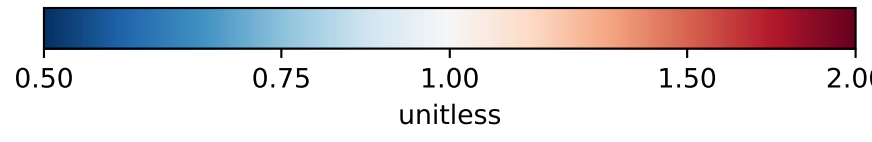
Ratio
Dev/Ref, Dynamic Range





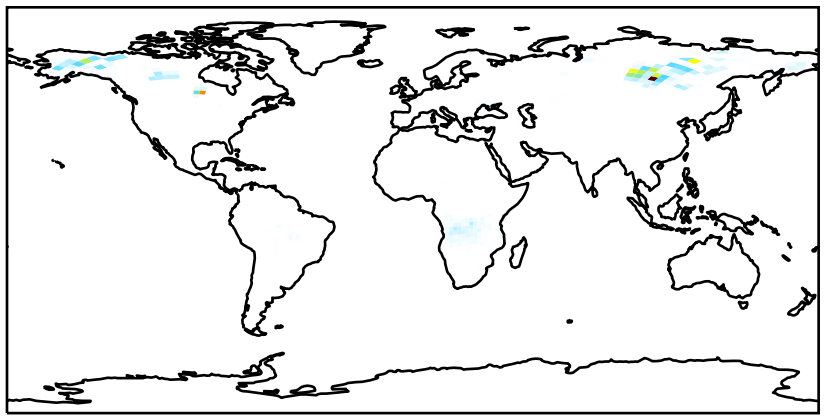
Ratio
Dev/Ref, Fixed Range

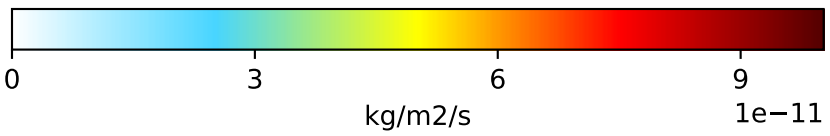




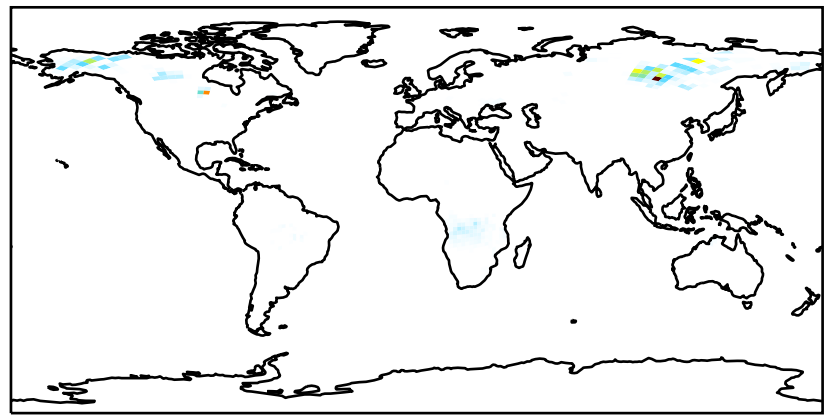
EmisALK4_BioBurn

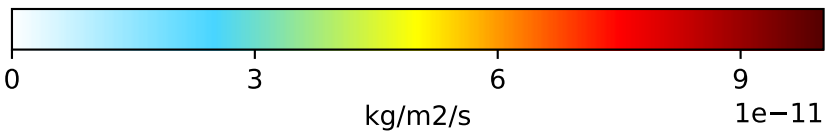
GCHP_13.2.0 (Ref)
c48



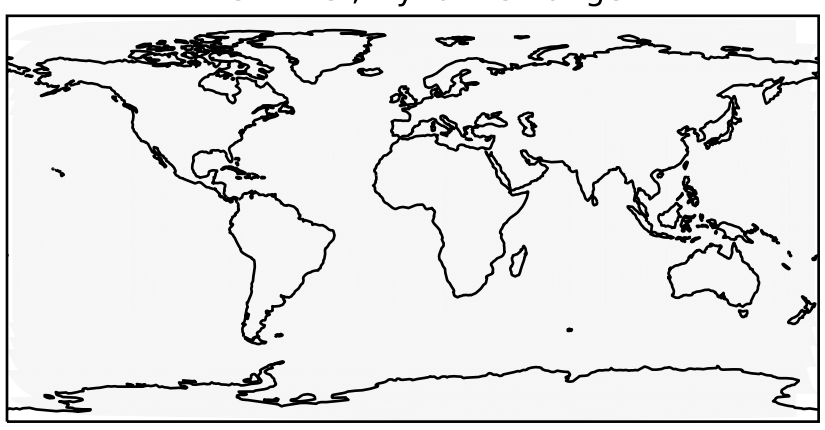


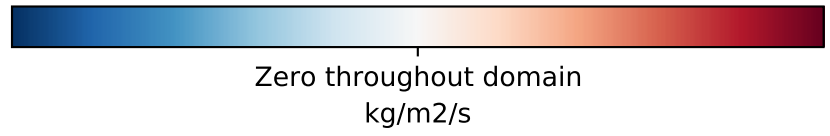
GCHP_13.3.0-rc.1 (Dev)
c48



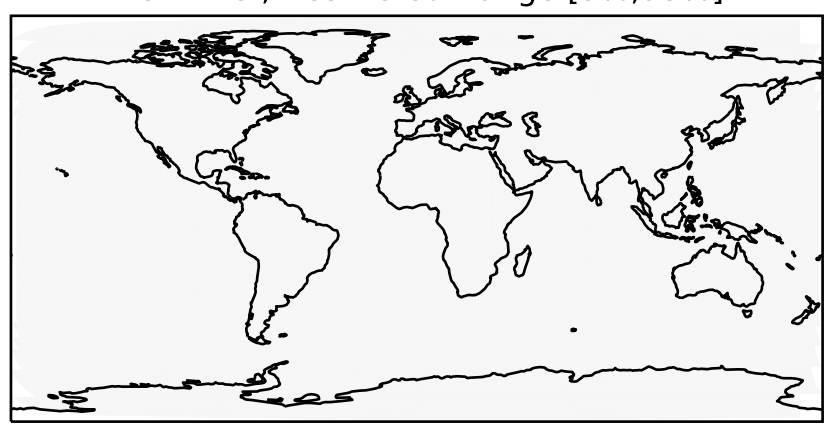


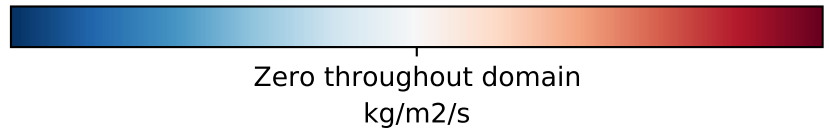
Difference
Dev - Ref, Dynamic Range



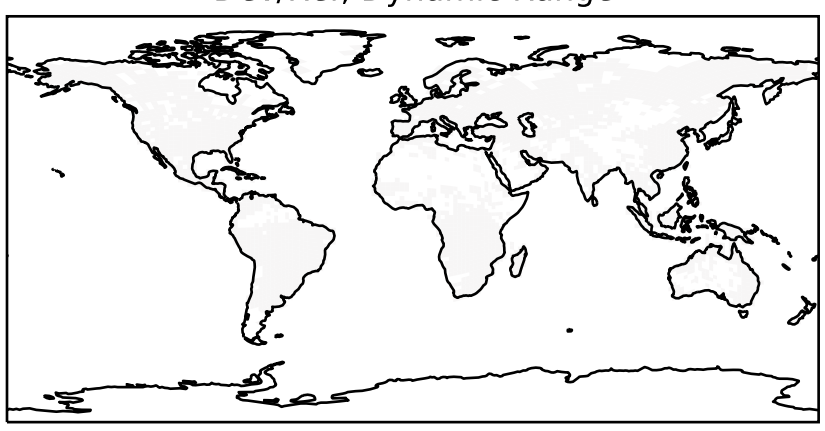


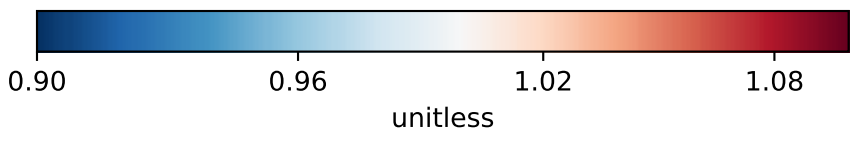
Difference
Dev - Ref, Restricted Range [5%,95%]



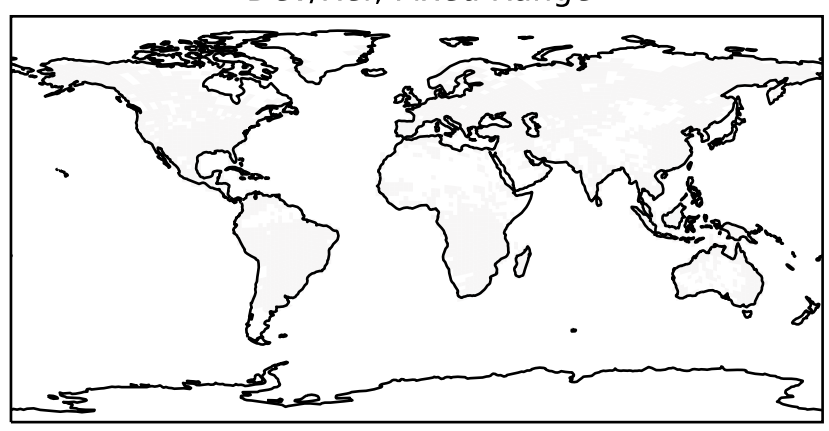


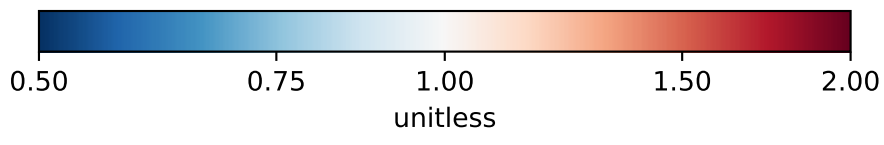
Ratio
Dev/Ref, Dynamic Range





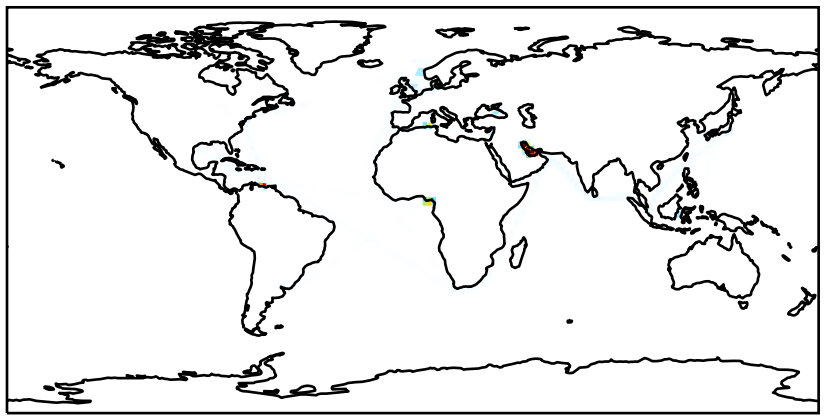
Ratio
Dev/Ref, Fixed Range

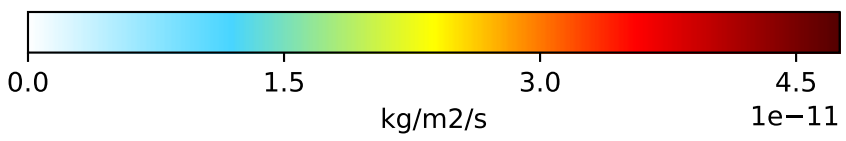




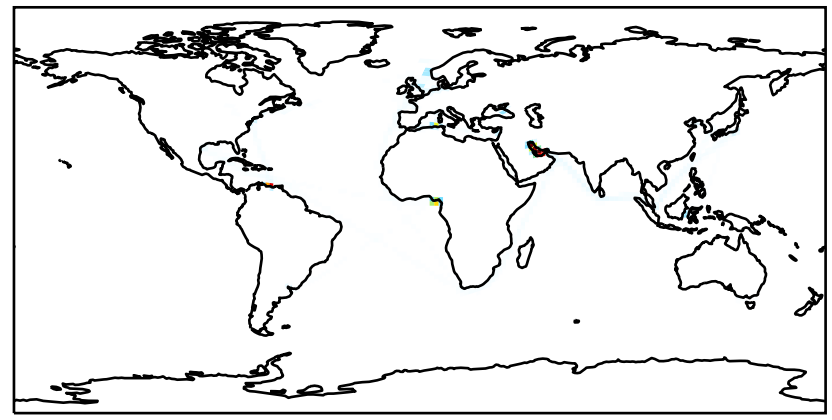
EmisALK4_Ship

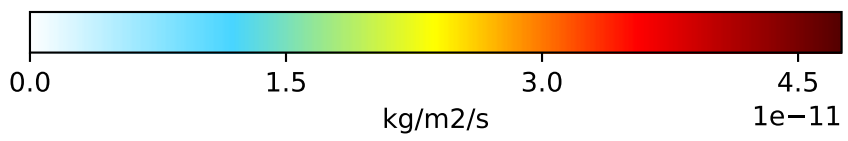
GCHP_13.2.0 (Ref)
c48



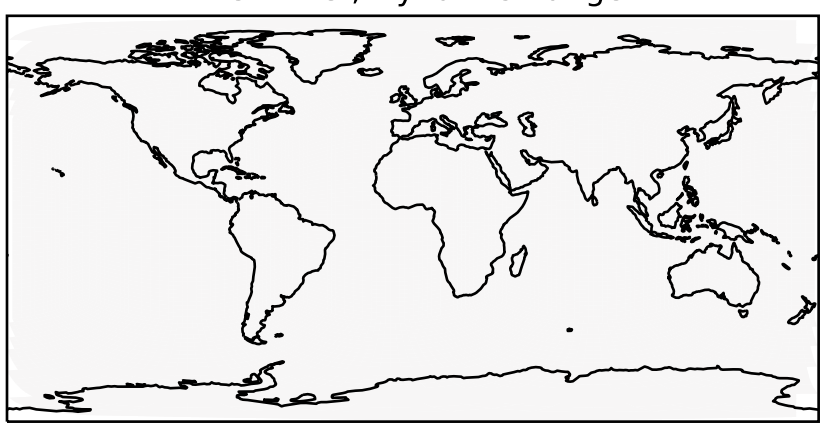


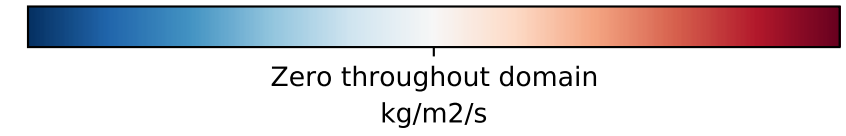
GCHP_13.3.0-rc.1 (Dev)
c48



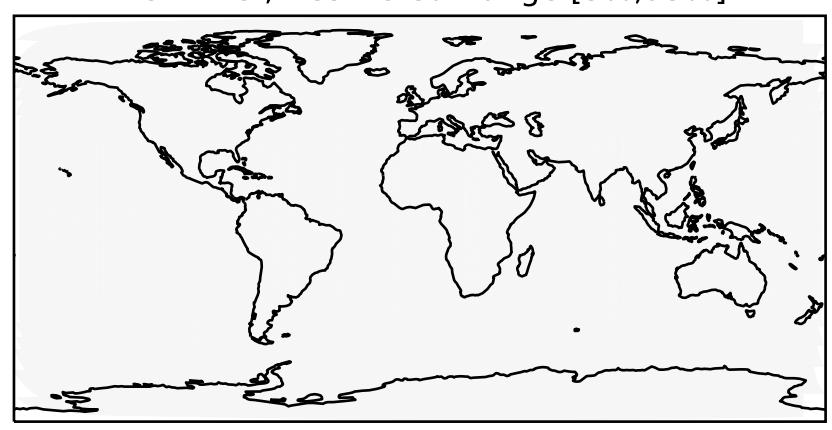


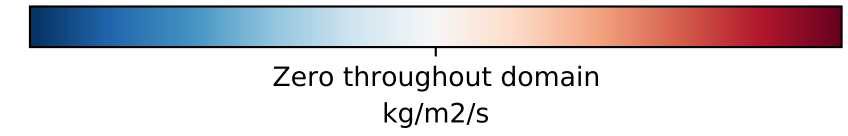
Difference
Dev - Ref, Dynamic Range



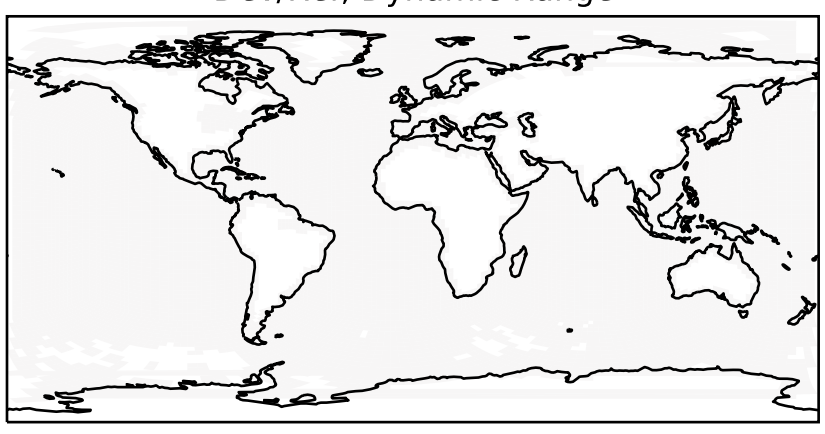


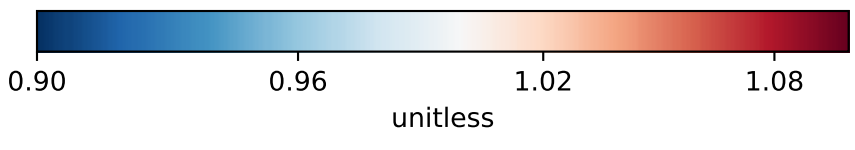
Difference
Dev - Ref, Restricted Range [5%,95%]



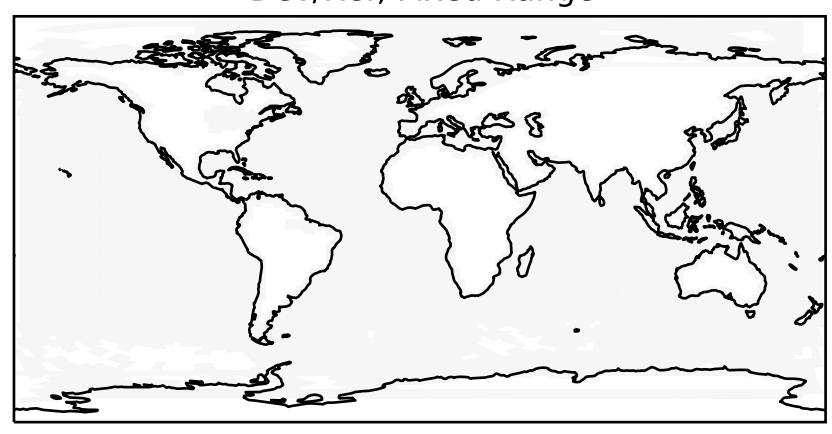


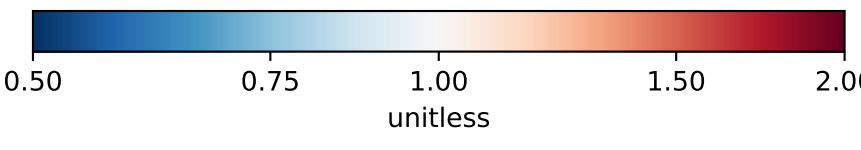
Ratio
Dev/Ref, Dynamic Range





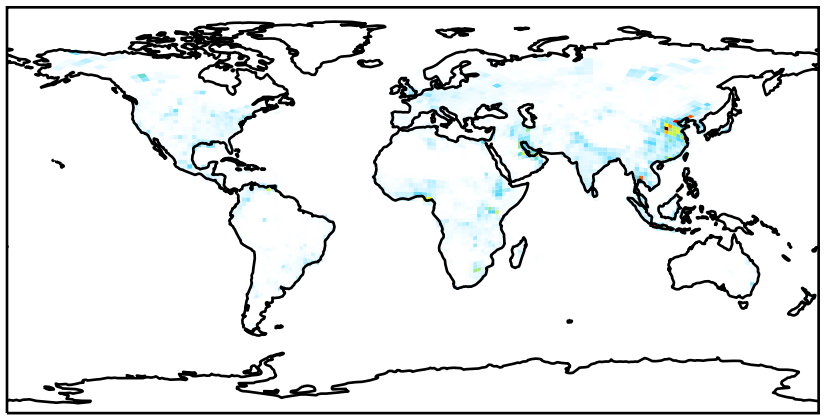
Ratio
Dev/Ref, Fixed Range

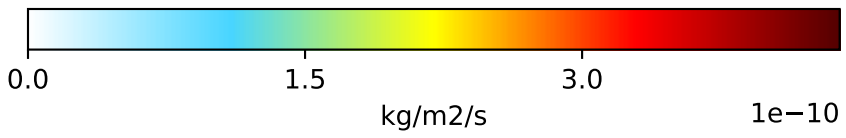




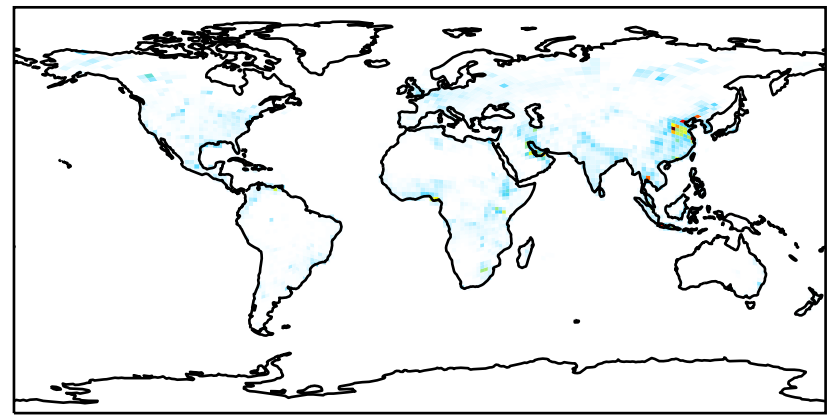
EmisALK4_Total

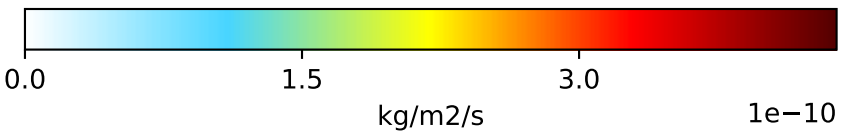
GCHP_13.2.0 (Ref)
c48



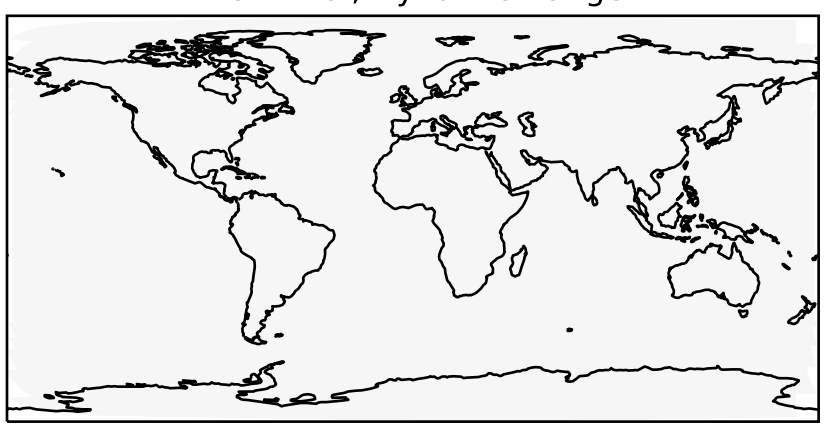


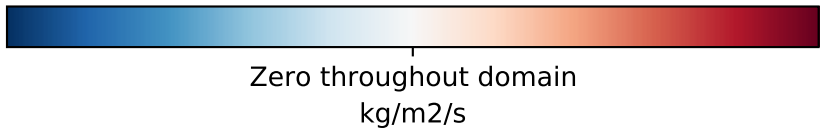
GCHP_13.3.0-rc.1 (Dev)
c48



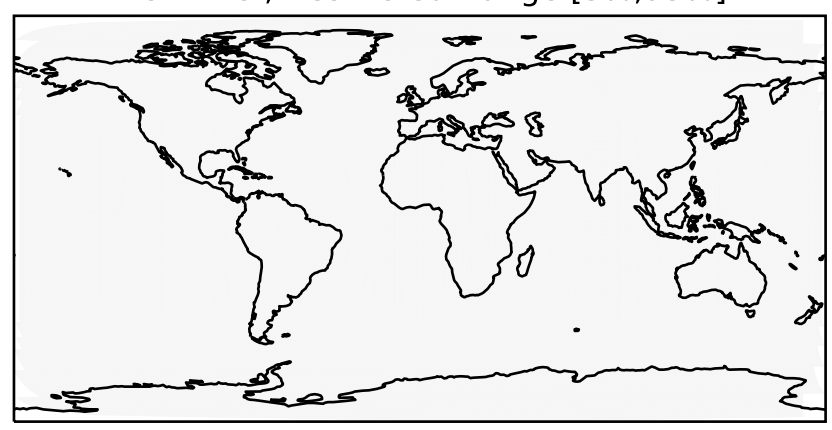


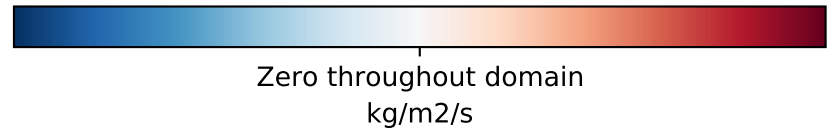
Difference
Dev - Ref, Dynamic Range



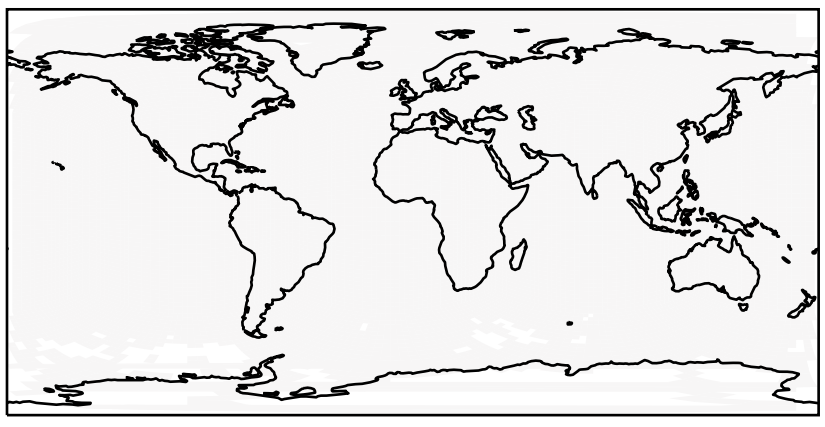


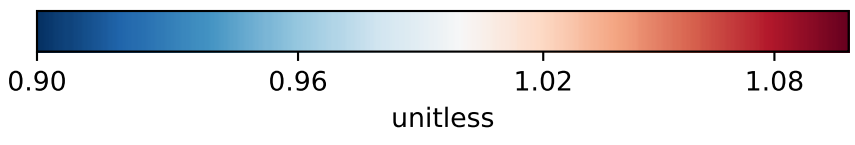
Difference
Dev - Ref, Restricted Range [5%,95%]



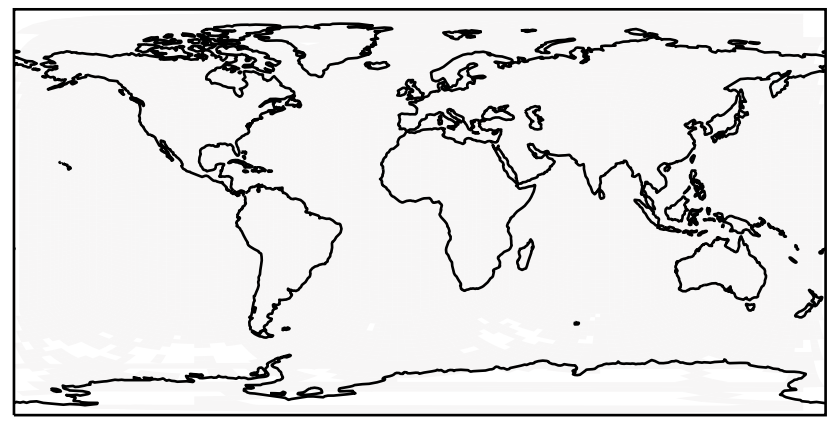


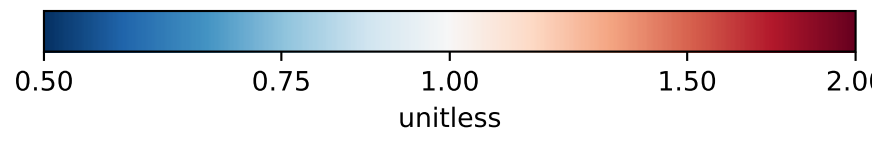
Ratio
Dev/Ref, Dynamic Range





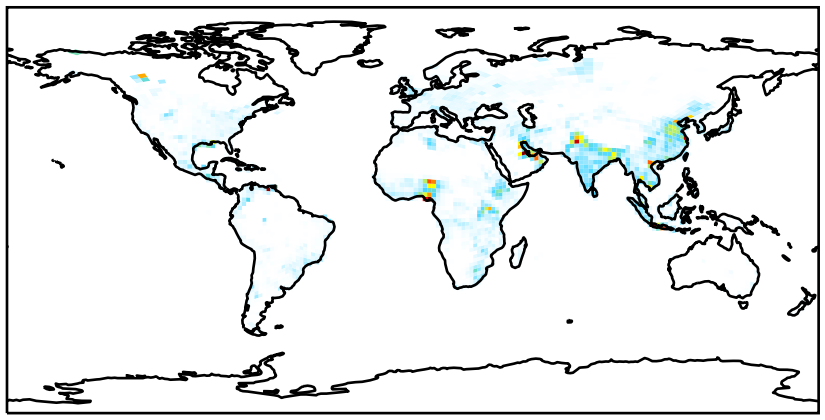
Ratio
Dev/Ref, Fixed Range

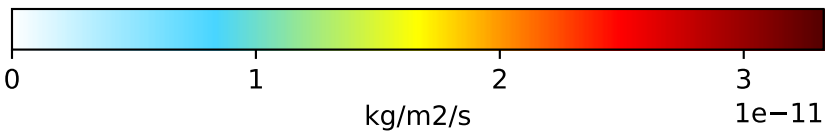




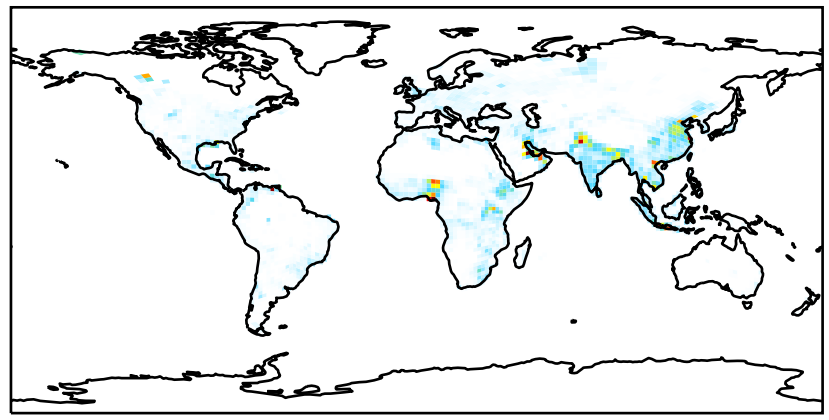
EmisBENZ_Anthro

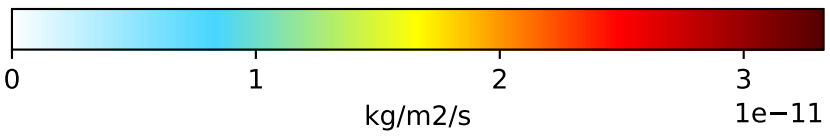
GCHP_13.2.0 (Ref)
c48



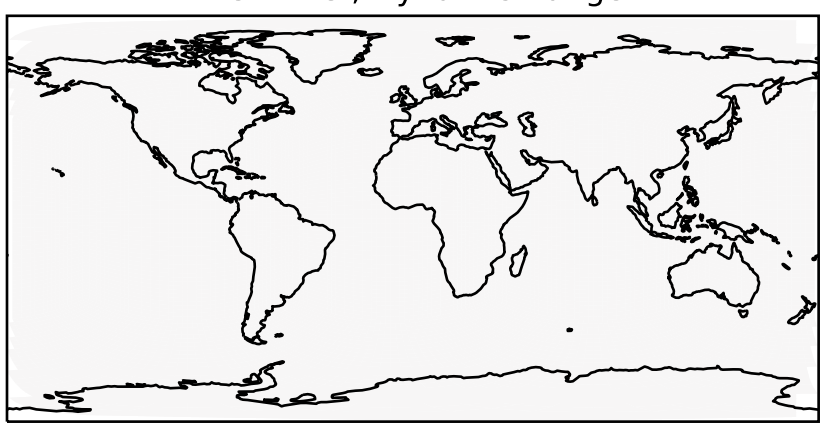


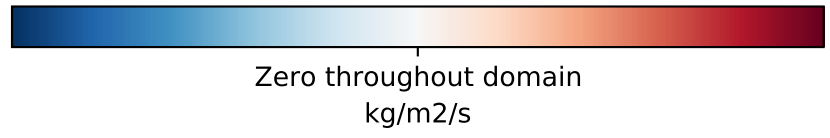
GCHP_13.3.0-rc.1 (Dev)
c48



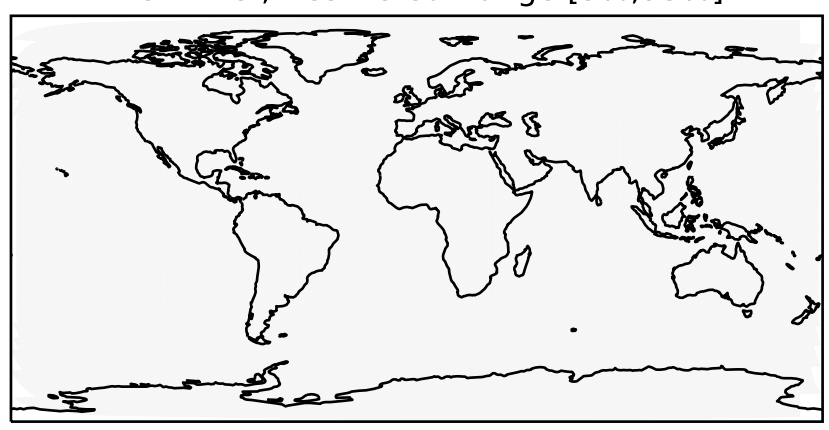


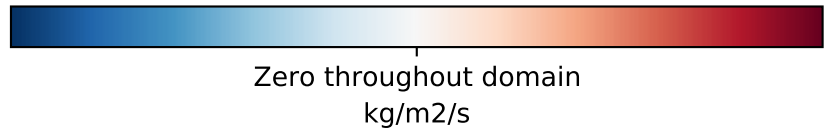
Difference
Dev - Ref, Dynamic Range



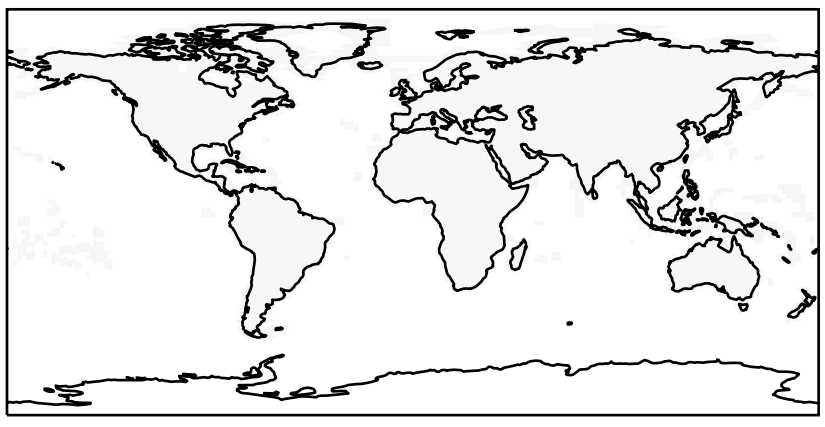


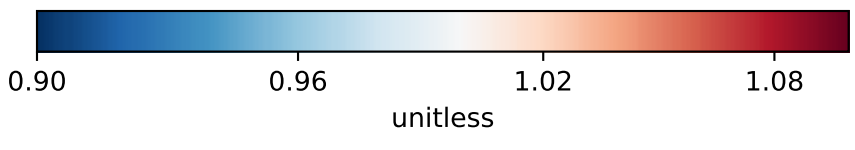
Difference
Dev - Ref, Restricted Range [5%,95%]



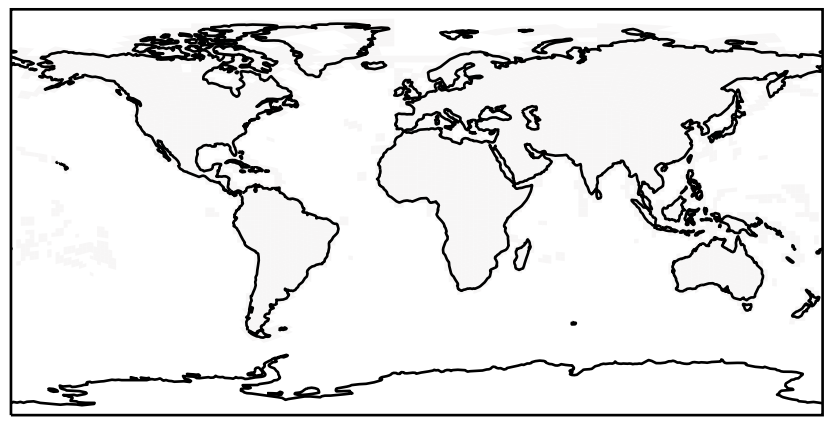


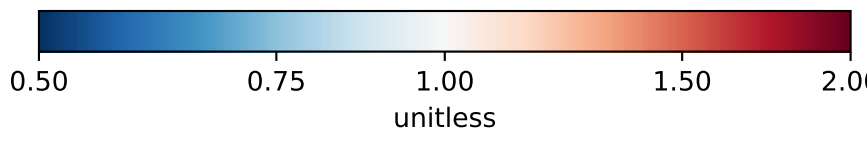
Ratio
Dev/Ref, Dynamic Range





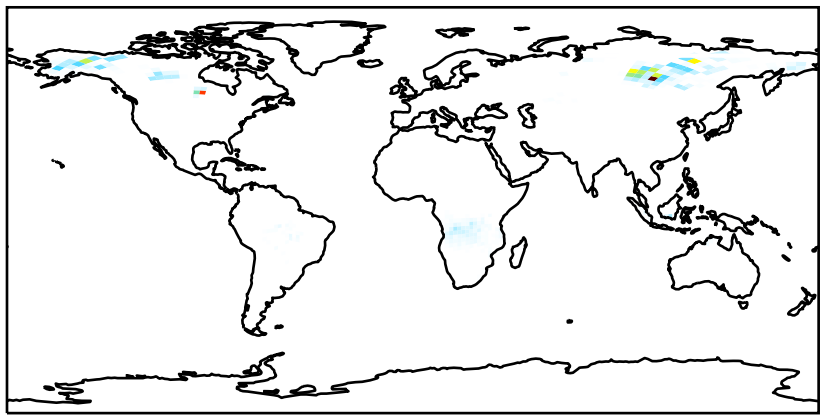
Ratio
Dev/Ref, Fixed Range

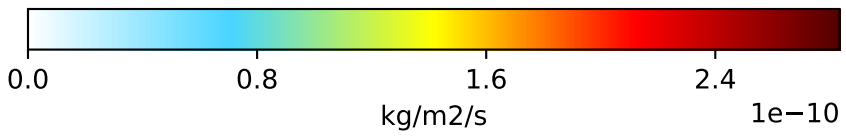




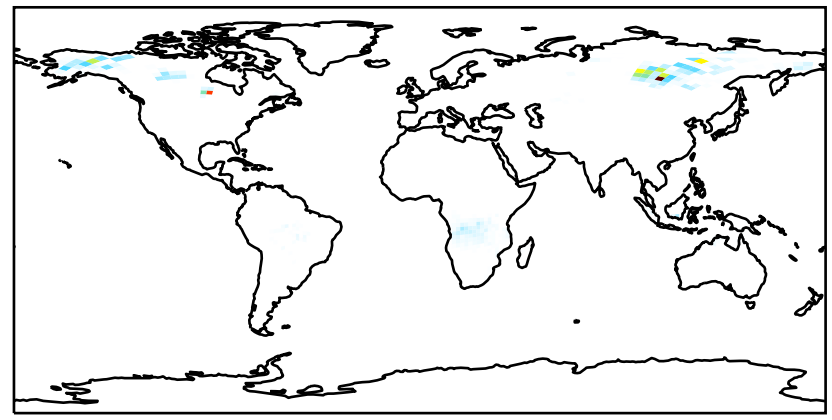
EmisBENZ_BioBurn

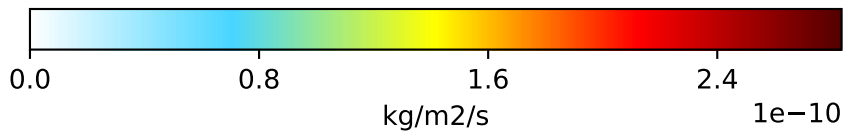
GCHP_13.2.0 (Ref)
c48



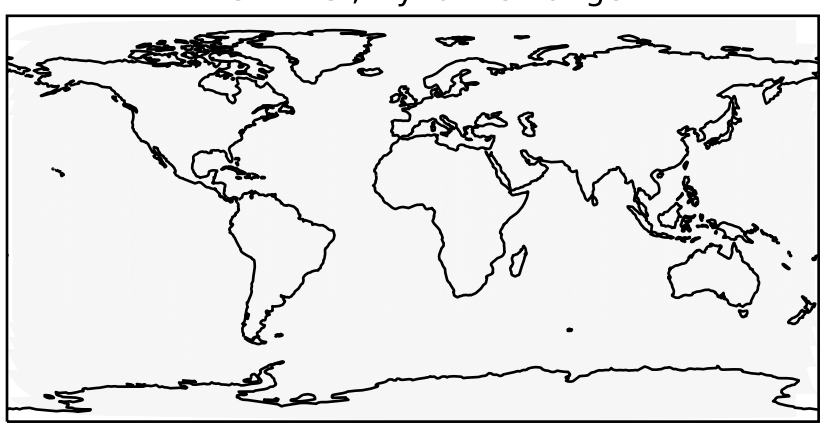


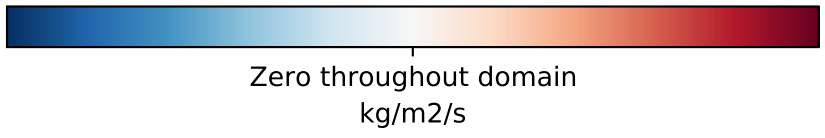
GCHP_13.3.0-rc.1 (Dev)
c48



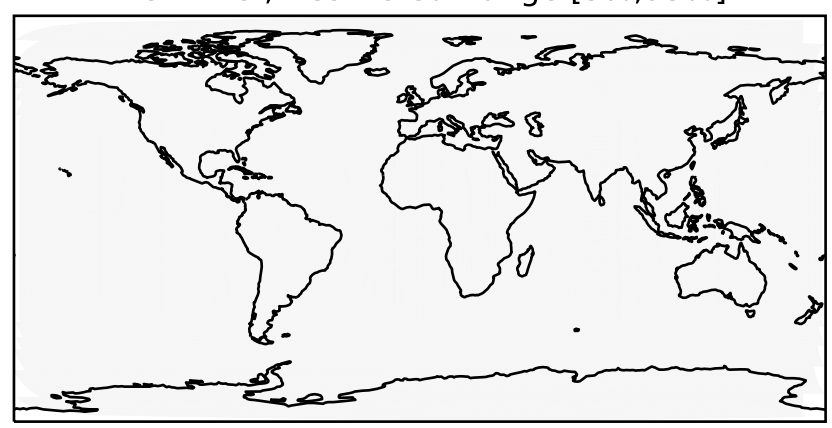


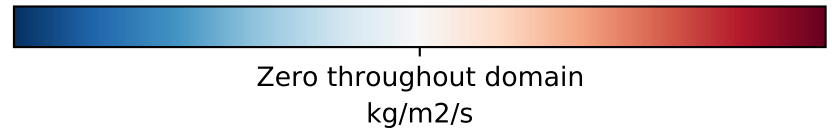
Difference
Dev - Ref, Dynamic Range



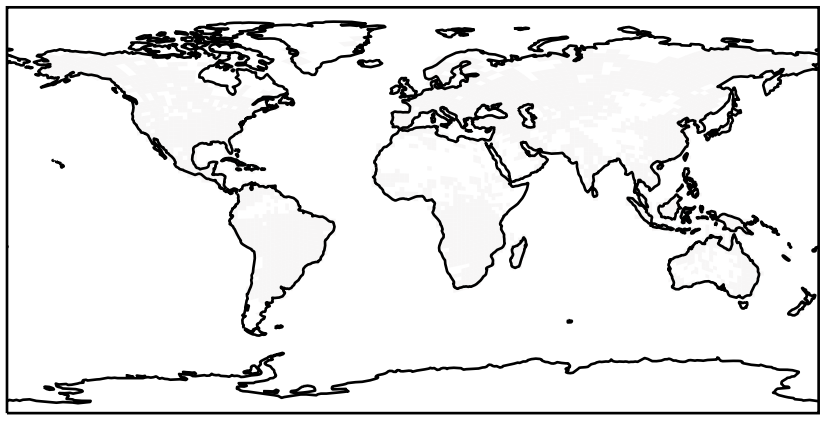


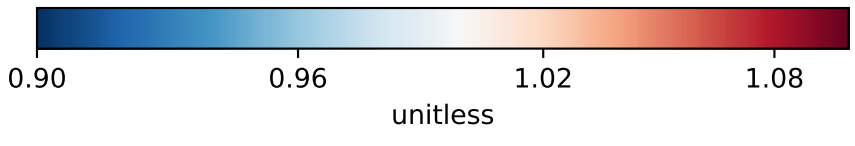
Difference
Dev - Ref, Restricted Range [5%,95%]



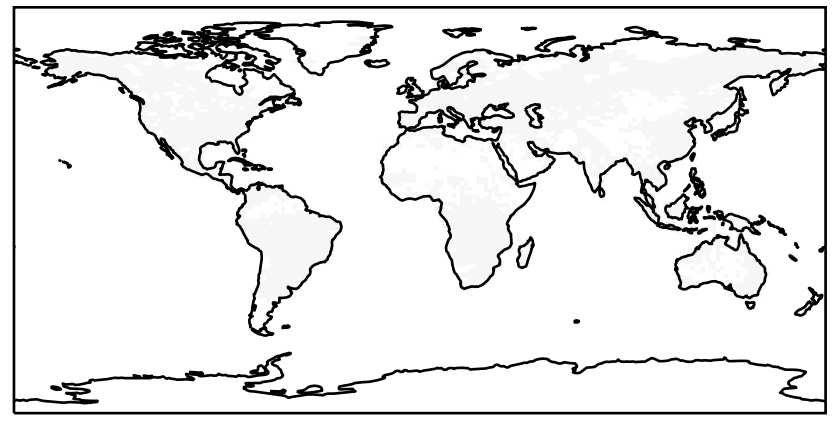


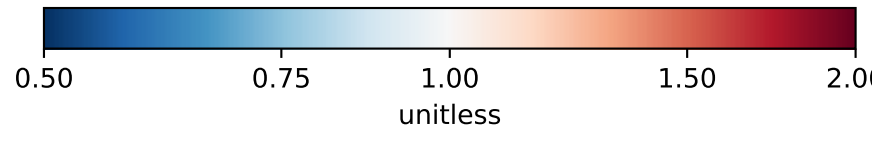
Ratio
Dev/Ref, Dynamic Range





Ratio
Dev/Ref, Fixed Range

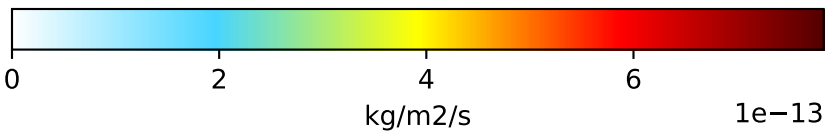




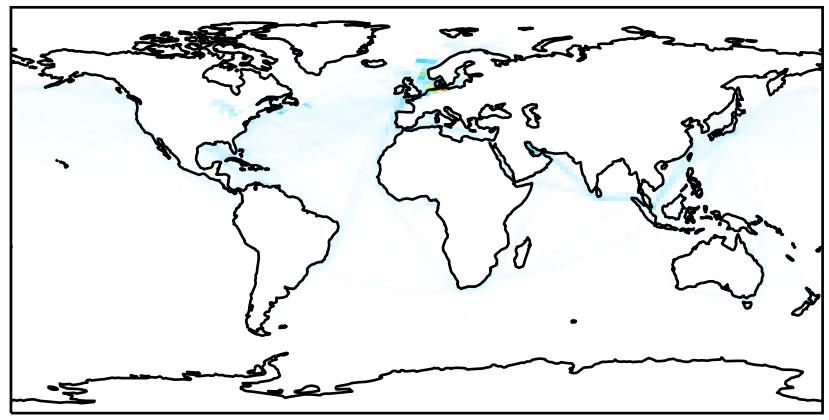
EmisBENZ_Ship

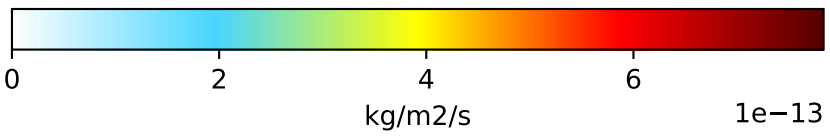
GCHP_13.2.0 (Ref)
c48



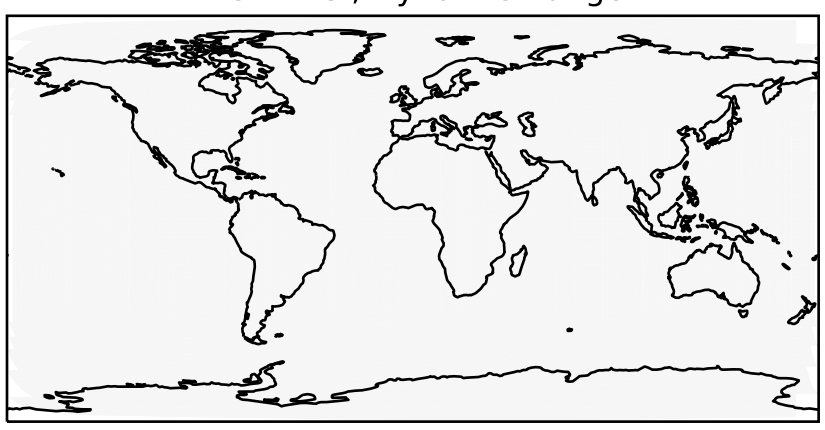


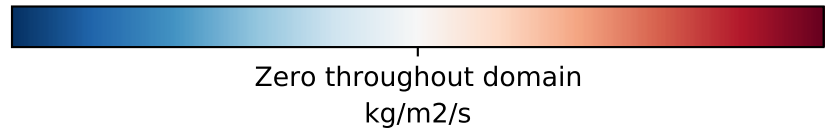
GCHP_13.3.0-rc.1 (Dev)
c48



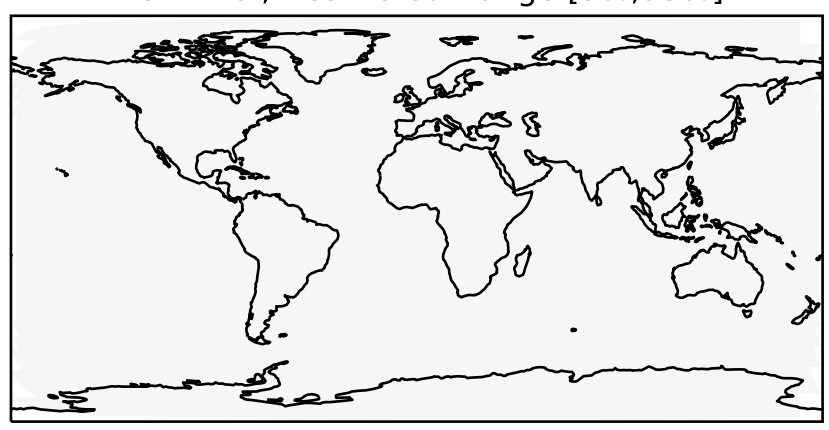


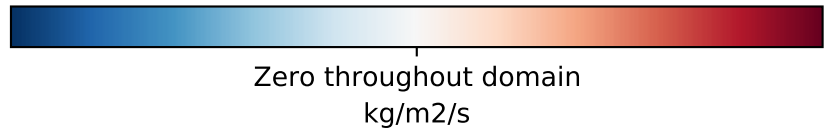
Difference
Dev - Ref, Dynamic Range



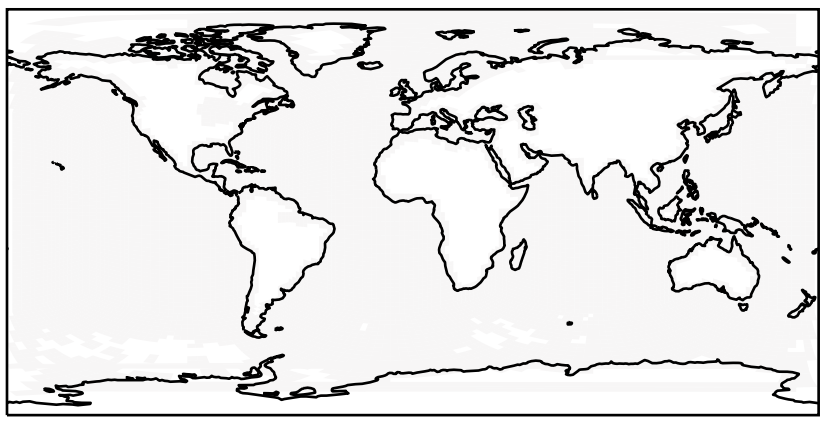


Difference
Dev - Ref, Restricted Range [5%,95%]



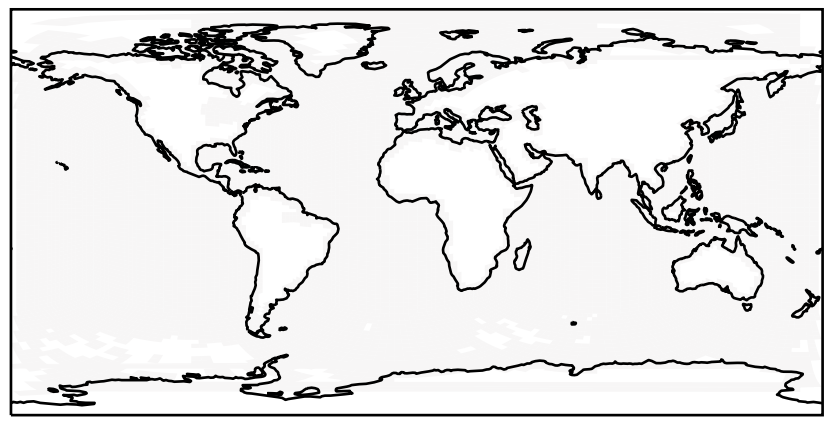


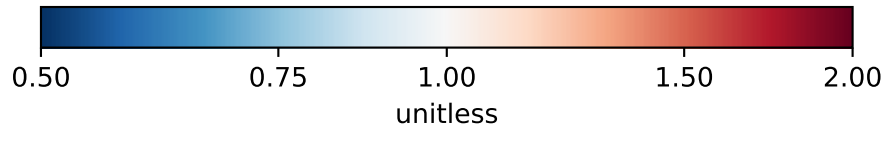
Ratio
Dev/Ref, Dynamic Range





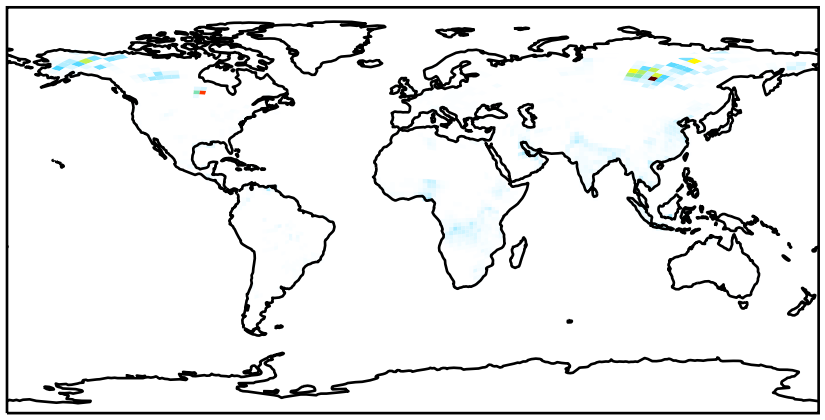
Ratio
Dev/Ref, Fixed Range

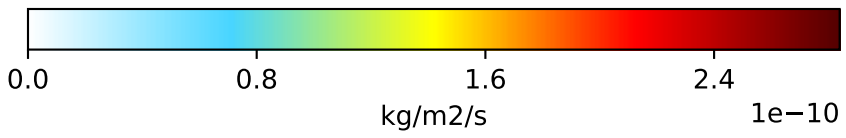




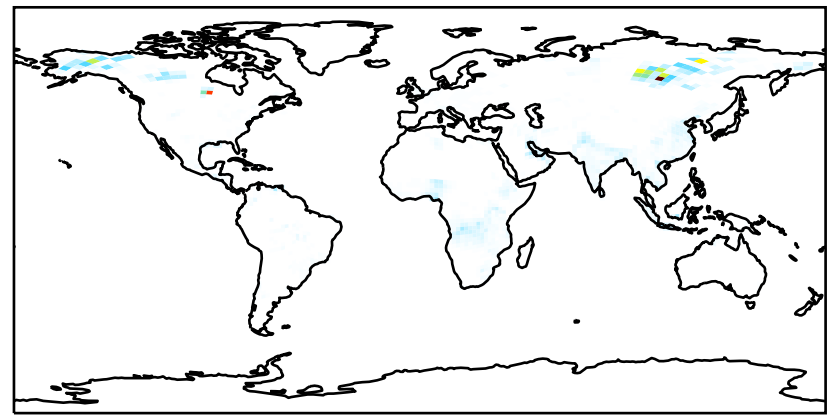
EmisBENZ_Total

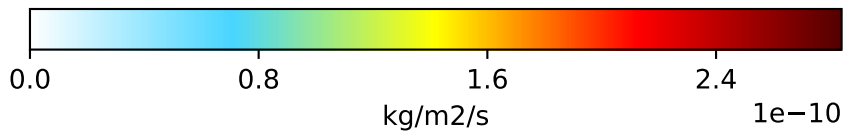
GCHP_13.2.0 (Ref)
c48



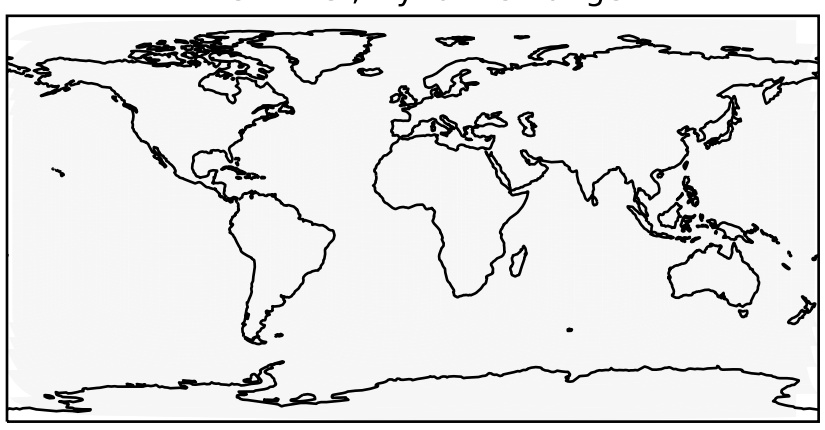


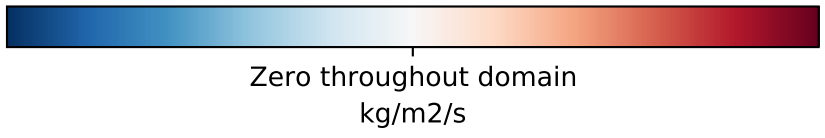
GCHP_13.3.0-rc.1 (Dev)
c48



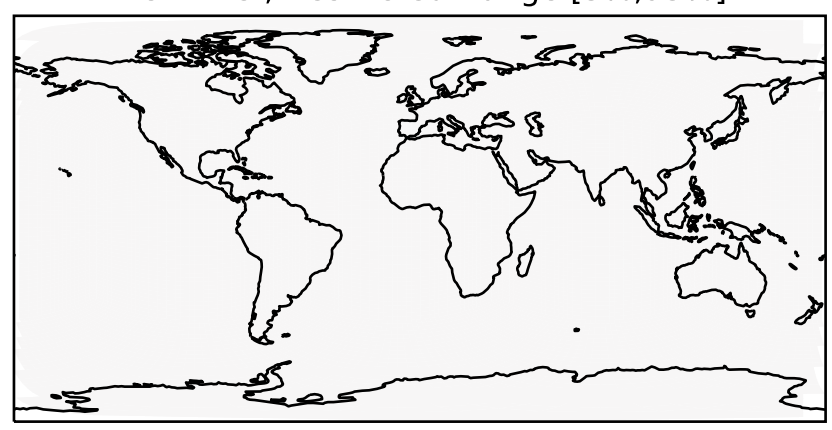


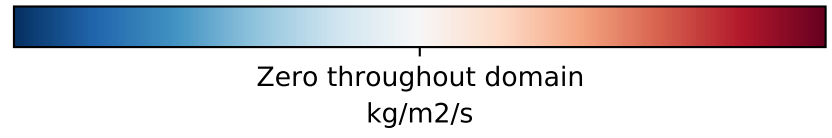
Difference
Dev - Ref, Dynamic Range



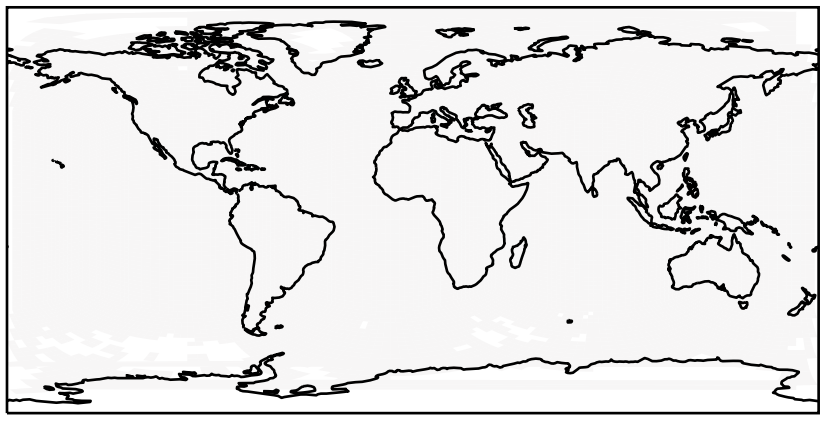


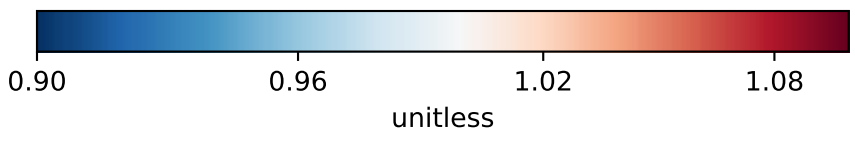
Difference
Dev - Ref, Restricted Range [5%,95%]



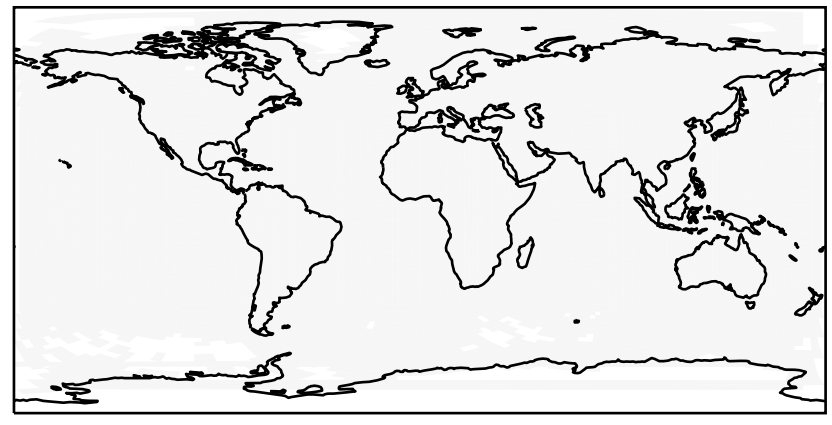


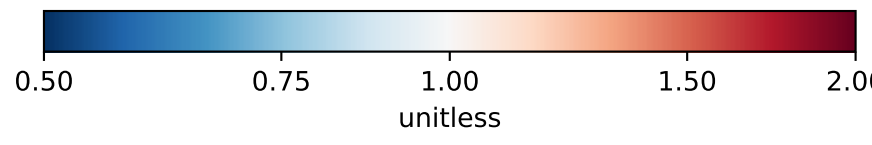
Ratio
Dev/Ref, Dynamic Range





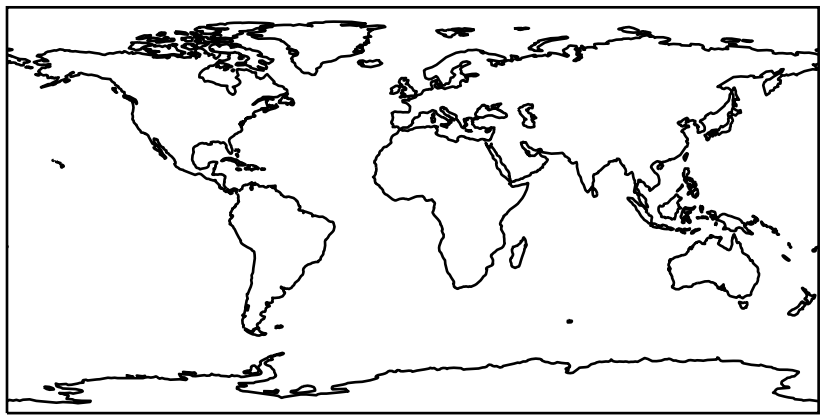
Ratio
Dev/Ref, Fixed Range





EmisC2H2_Anthro

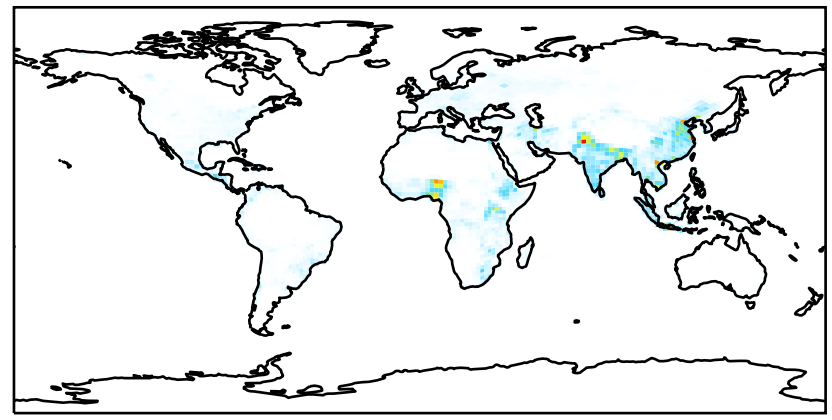
GCHP_13.2.0 (Ref)
c48





Zero throughout domain
kg/m2/s

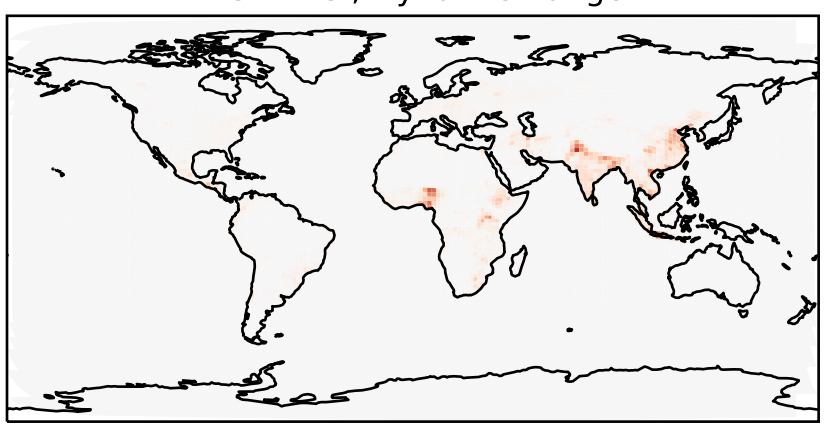
GCHP_13.3.0-rc.1 (Dev)
c48

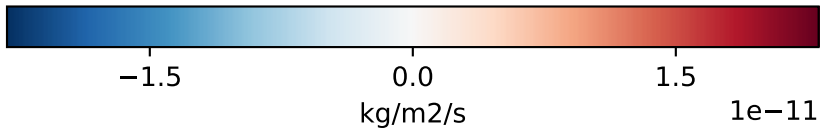




0.0 0.6 1.2 1.8
kg/m2/s
1e−11

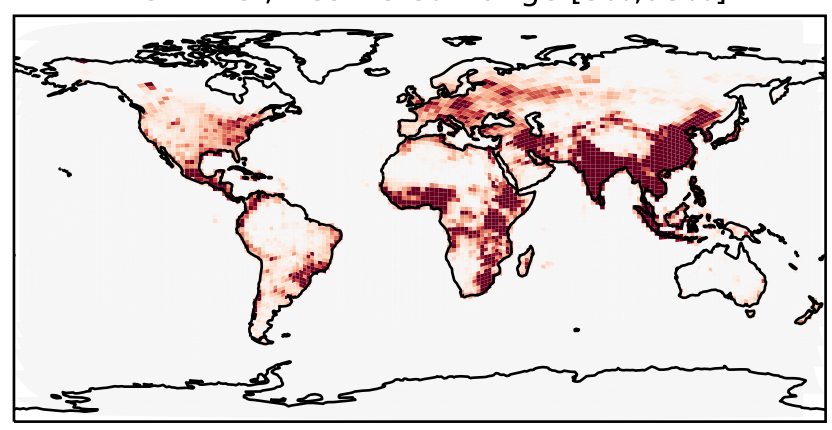
Difference
Dev - Ref, Dynamic Range

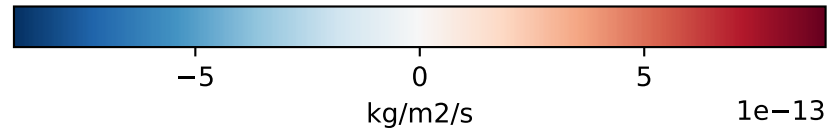




−1.5 0.0 1.5
kg/m2/s
1e−11

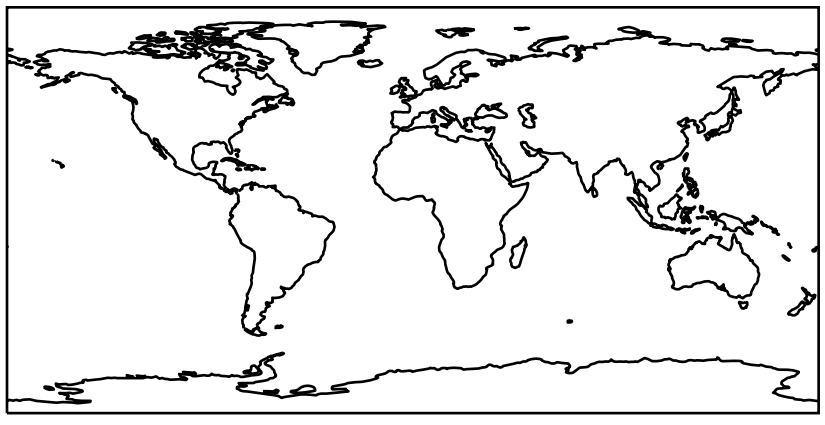
Difference
Dev - Ref, Restricted Range [5%,95%]





−5 0 5
kg/m2/s
1e−13

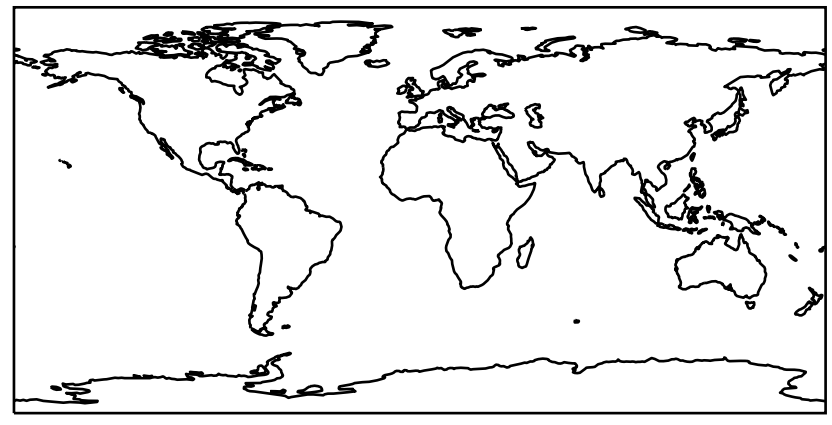
Ratio
Dev/Ref, Dynamic Range





Undefined throughout domain
unitless

Ratio
Dev/Ref, Fixed Range

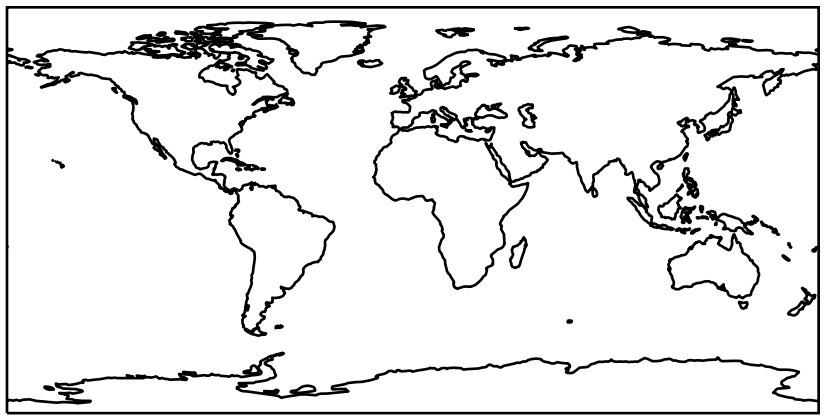




Undefined throughout domain
unitless

EmisC2H2_Ship

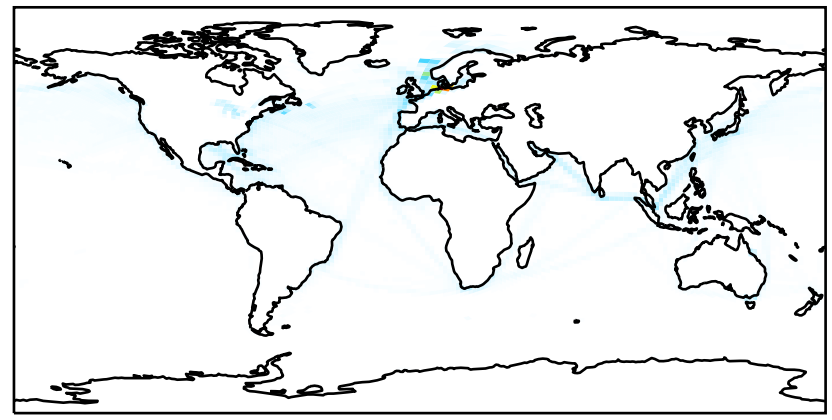
GCHP_13.2.0 (Ref)
c48





Zero throughout domain
kg/m2/s

GCHP_13.3.0-rc.1 (Dev)
c48

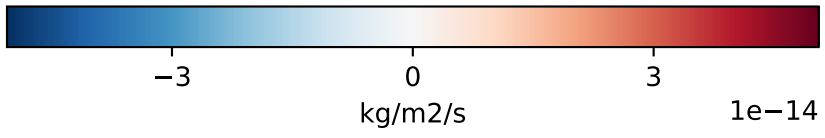




0.0 1.5 3.0 4.5
kg/m2/s
1e−14

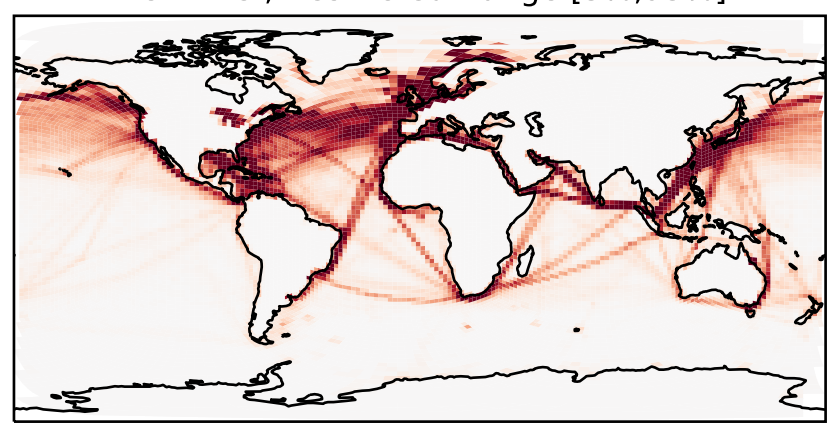
Difference
Dev - Ref, Dynamic Range

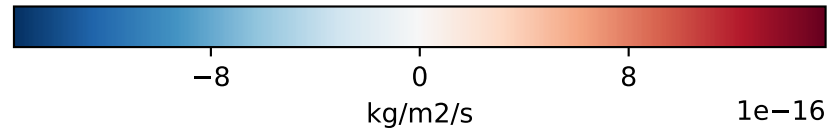




−3 0 3
kg/m2/s
1e−14

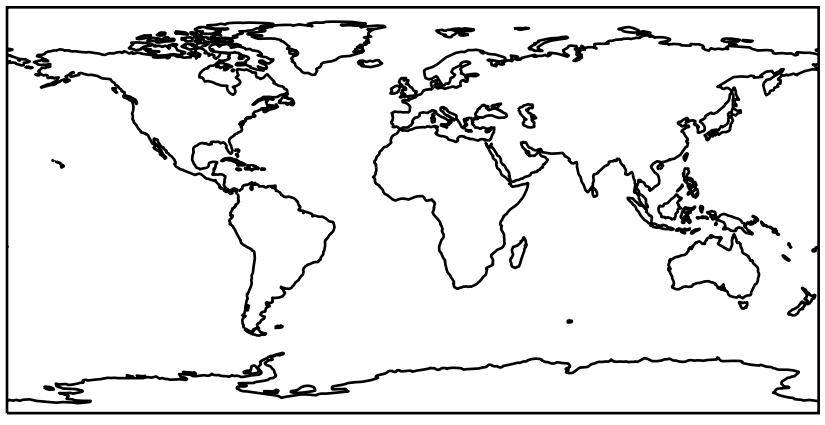
Difference
Dev - Ref, Restricted Range [5%,95%]





−8 0 8
kg/m2/s
1e−16

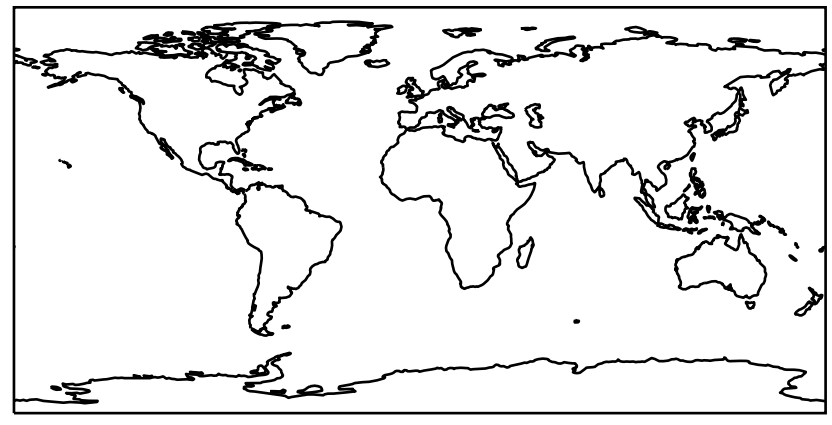
Ratio
Dev/Ref, Dynamic Range





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unitless

Ratio
Dev/Ref, Fixed Range

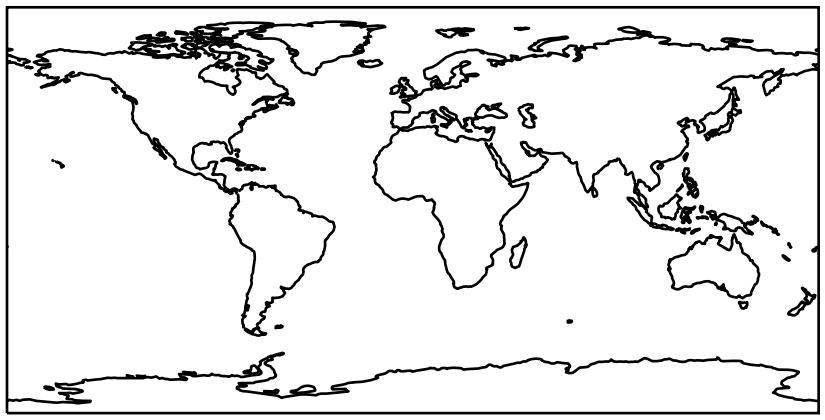




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EmisC2H2_Total

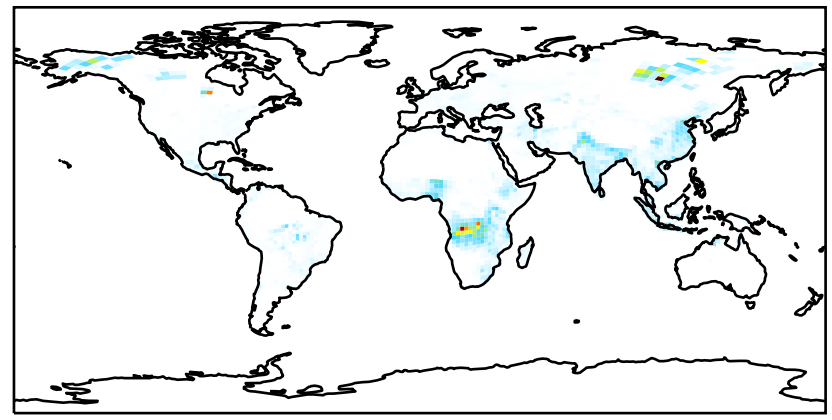
GCHP_13.2.0 (Ref)
c48





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kg/m2/s

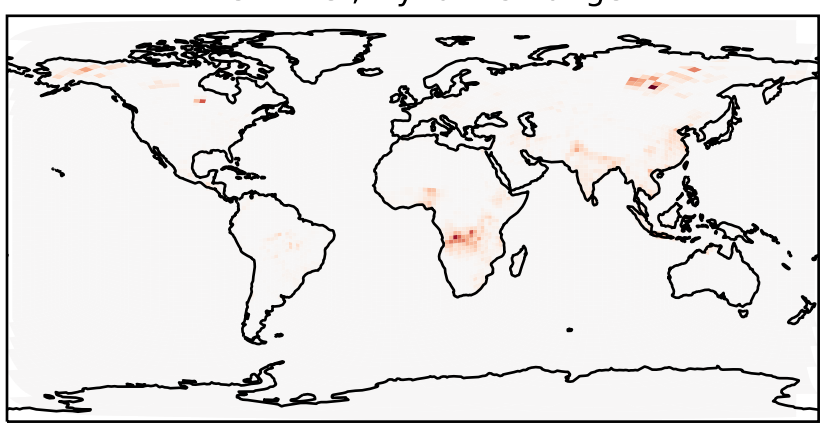
GCHP_13.3.0-rc.1 (Dev)
c48

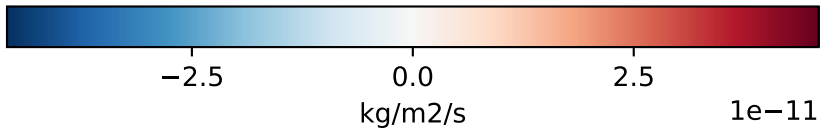




0.0 1.5 3.0 4.5
kg/m2/s
1e−11

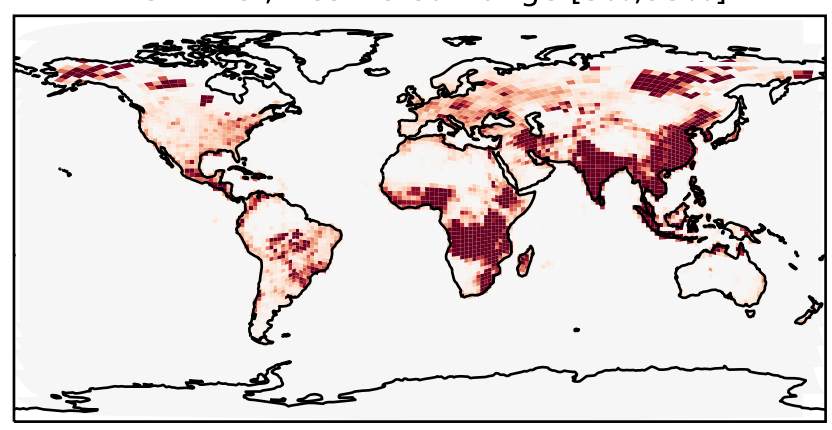
Difference
Dev - Ref, Dynamic Range

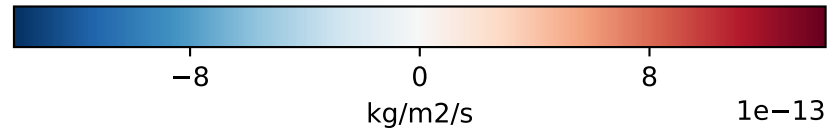




−2.5 0.0 2.5
kg/m2/s
1e−11

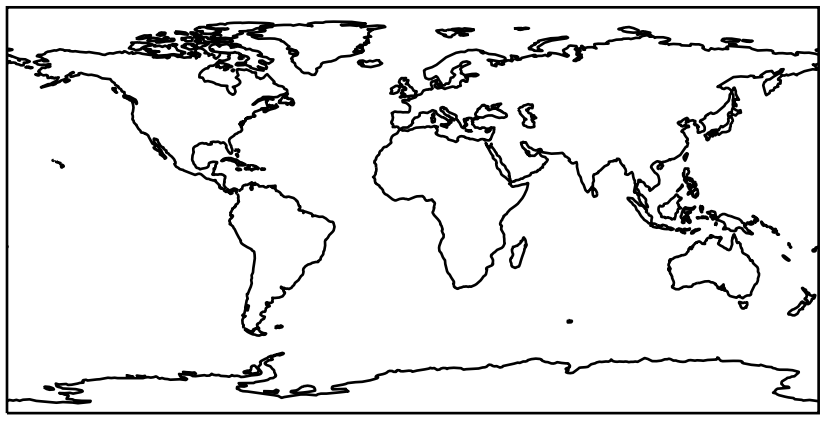
Difference
Dev - Ref, Restricted Range [5%,95%]





−8 0 8
kg/m2/s
1e−13

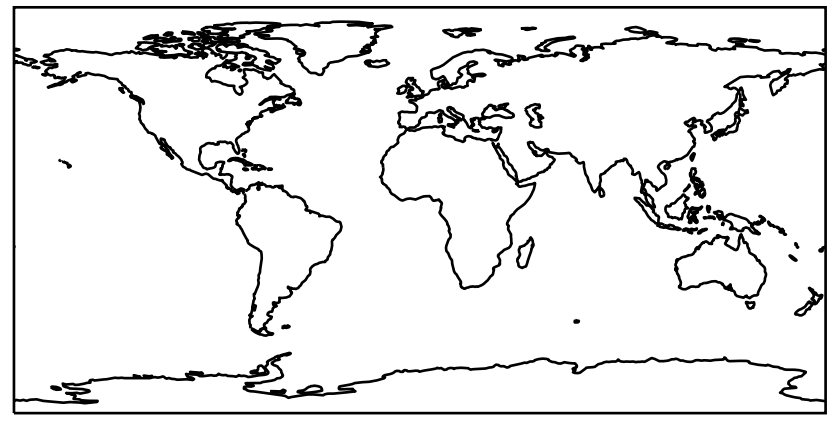
Ratio
Dev/Ref, Dynamic Range





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Ratio
Dev/Ref, Fixed Range

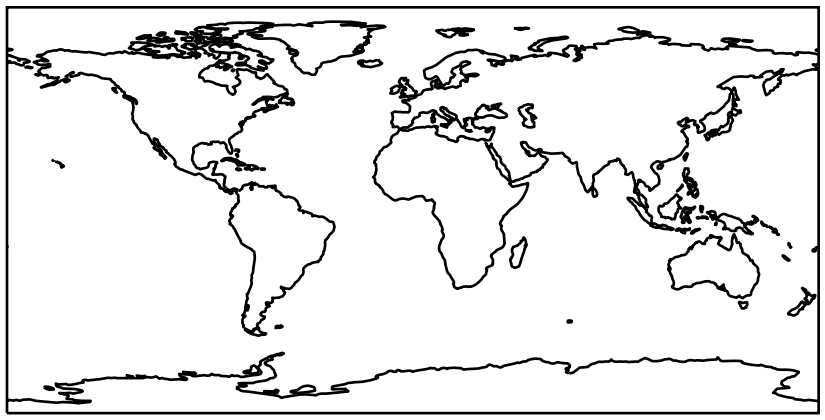




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EmisC2H4_Anthro

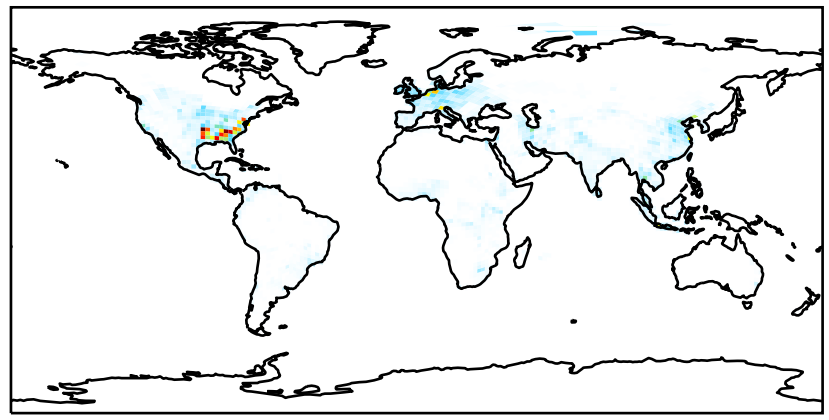
GCHP_13.2.0 (Ref)
c48





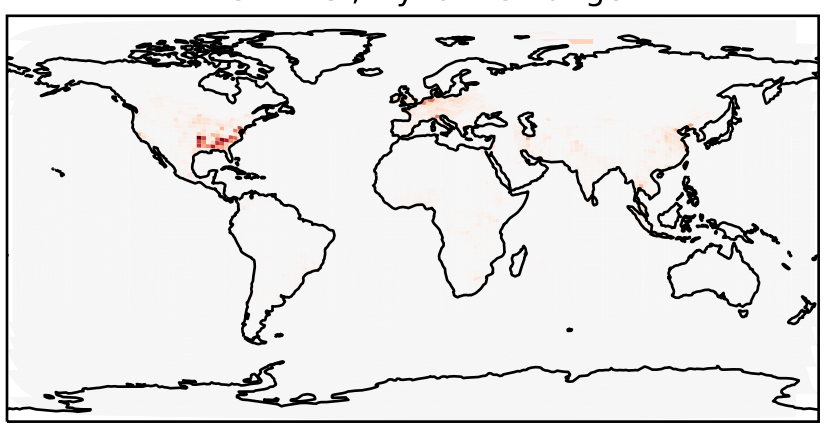
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kg/m2/s

GCHP_13.3.0-rc.1 (Dev)
c48



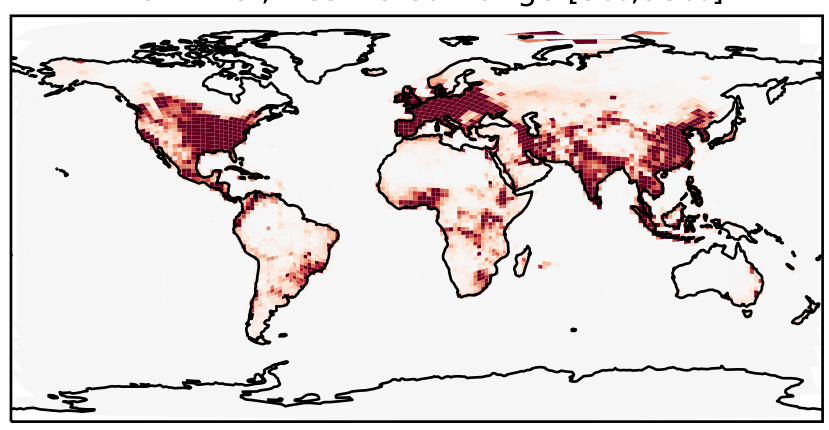


Difference
Dev - Ref, Dynamic Range



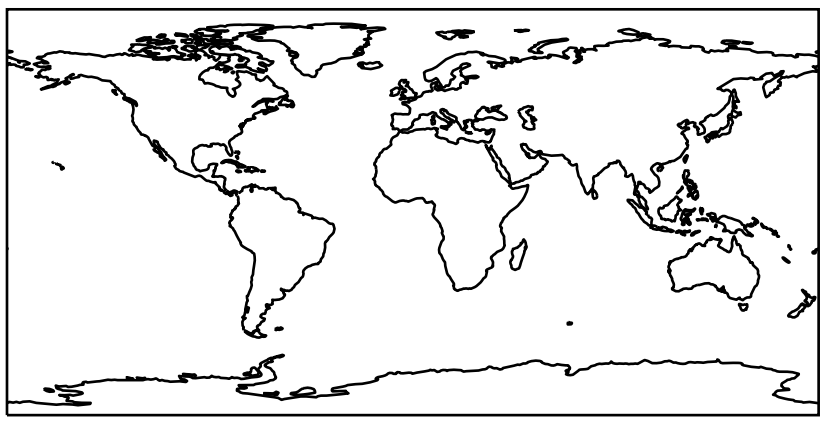


Difference
Dev - Ref, Restricted Range [5%,95%]





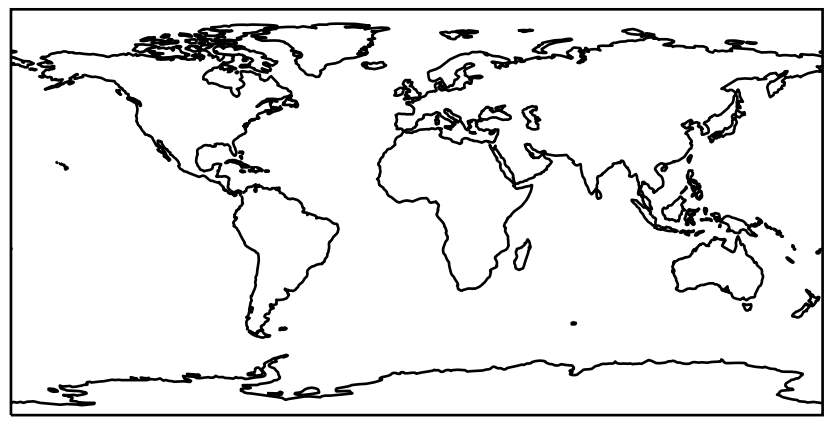
Ratio
Dev/Ref, Dynamic Range





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Ratio
Dev/Ref, Fixed Range

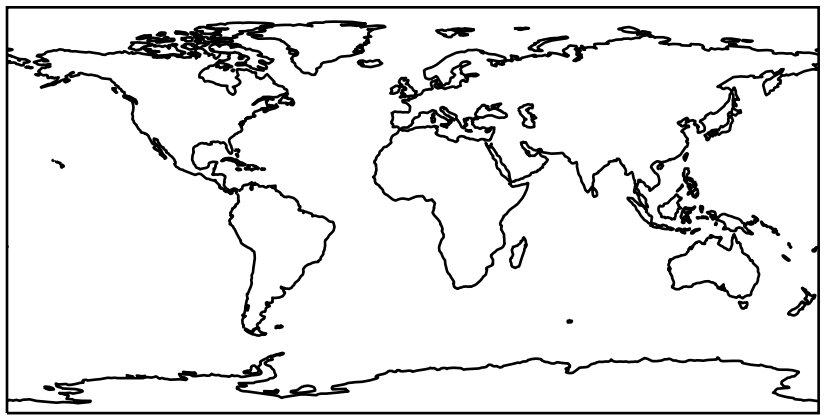




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EmisC2H4_Biogenic

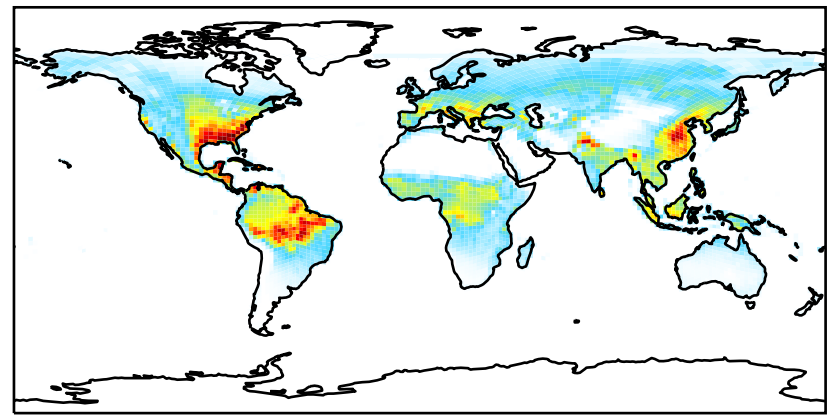
GCHP_13.2.0 (Ref)
c48





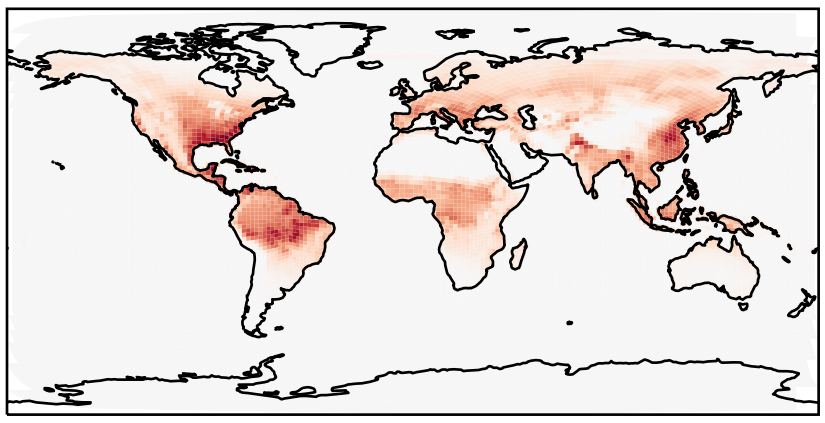
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kg/m2/s

GCHP_13.3.0-rc.1 (Dev)
c48



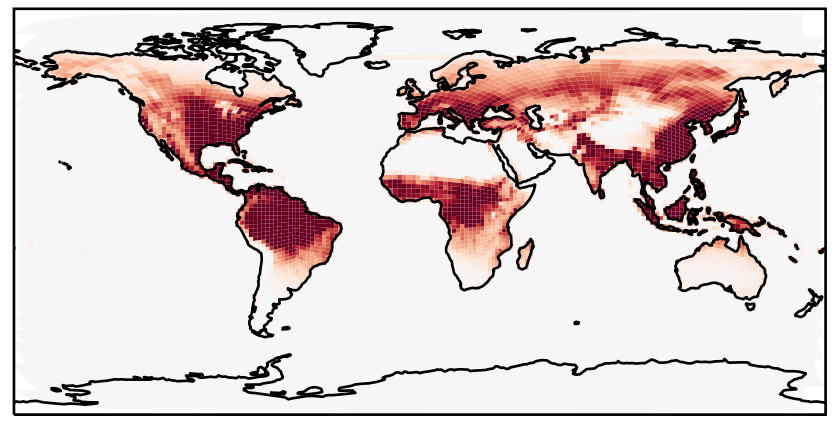


Difference
Dev - Ref, Dynamic Range



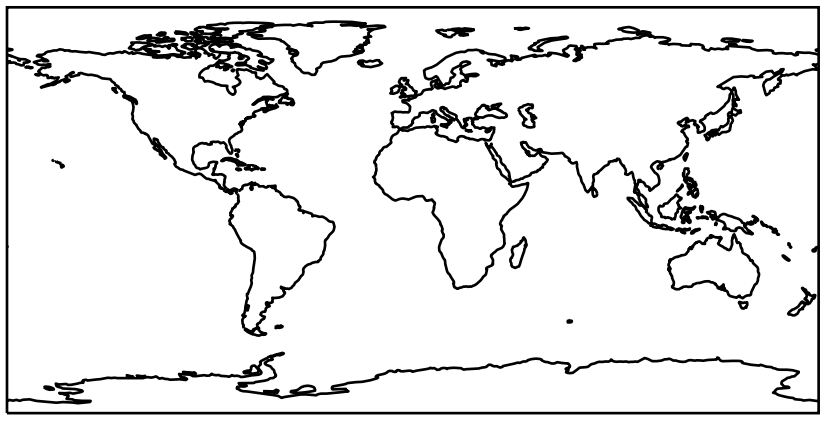


Difference
Dev - Ref, Restricted Range [5%,95%]





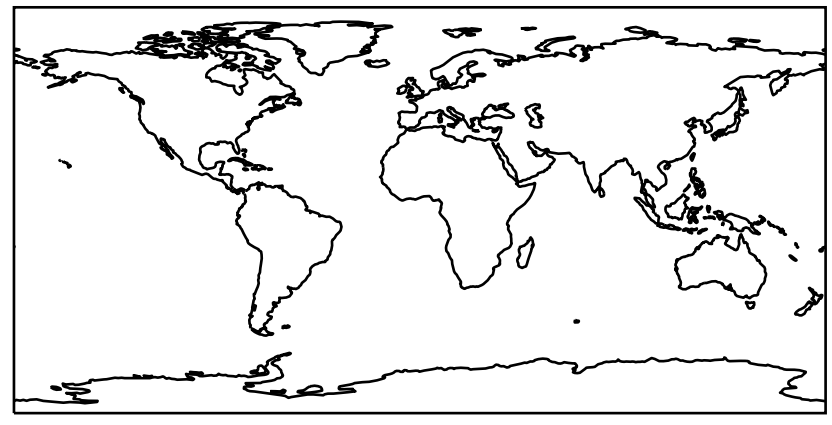
Ratio
Dev/Ref, Dynamic Range





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Ratio
Dev/Ref, Fixed Range

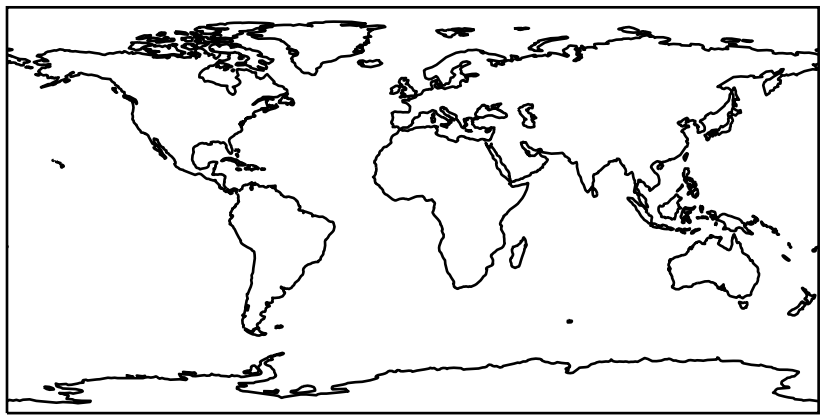




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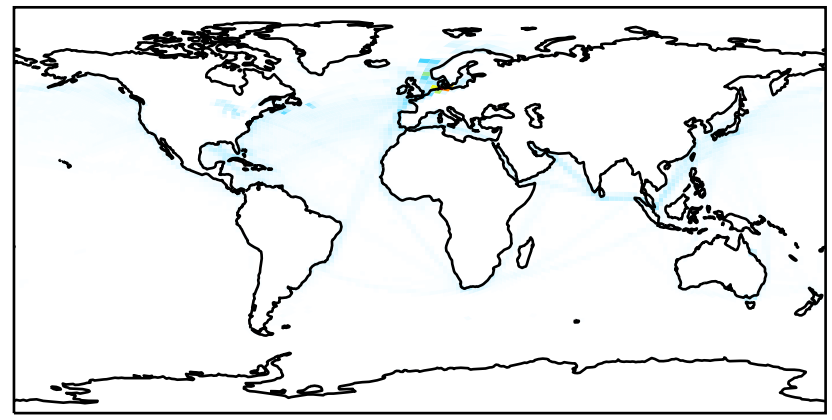
EmisC2H4_Ship

GCHP_13.2.0 (Ref)
c48



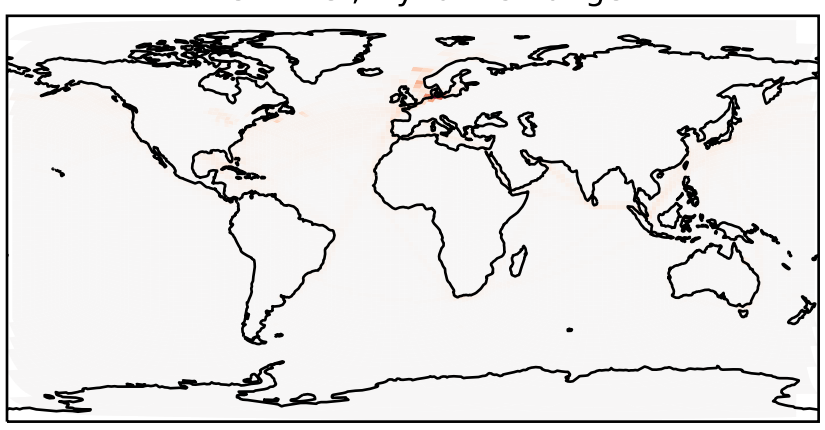
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kg/m2/s

GCHP_13.3.0-rc.1 (Dev)
c48



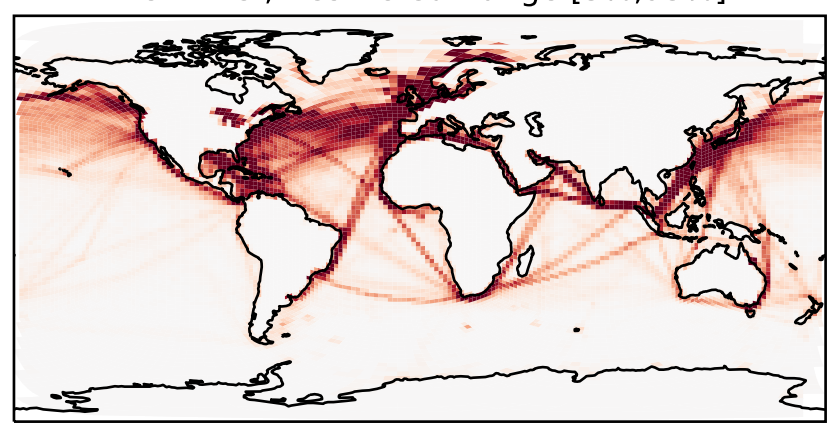
0.0 0.5 1.0 1.5
kg/m2/s
1e−12

Difference
Dev - Ref, Dynamic Range



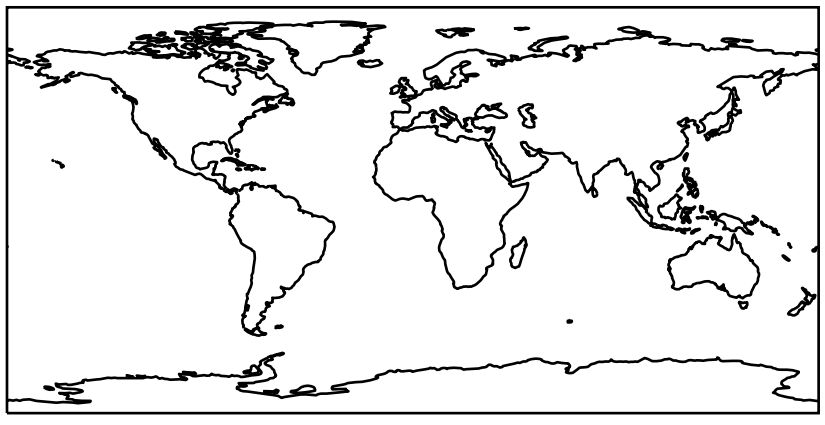
−1 0 1
kg/m2/s
1e−12

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



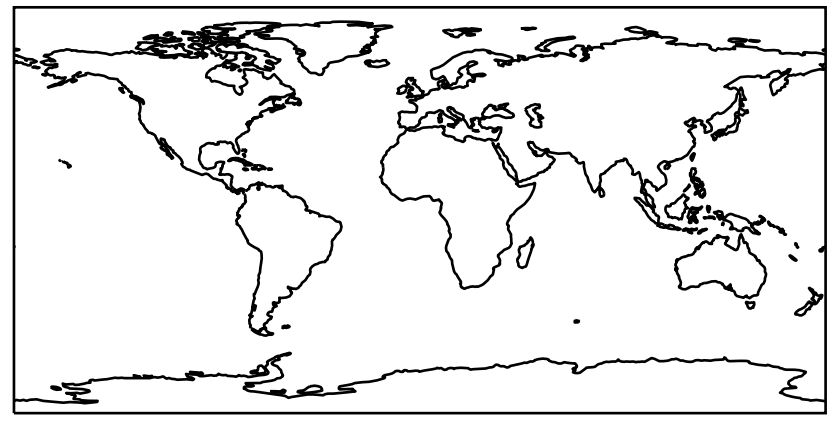
−3 0 3
kg/m2/s
1e−14

Ratio
Dev/Ref, Dynamic Range



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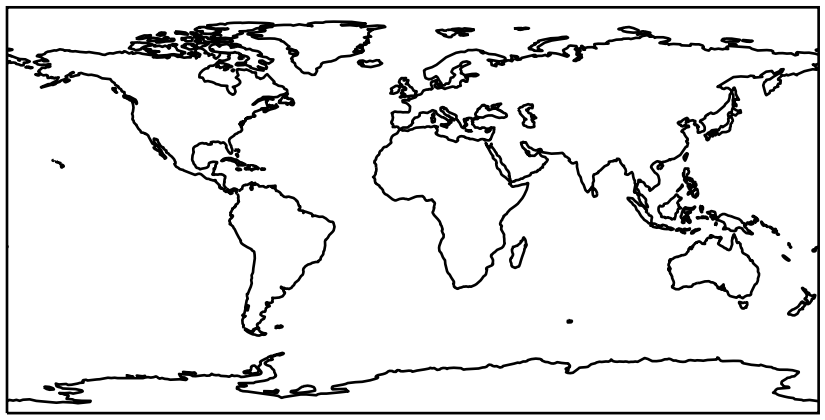
Ratio
Dev/Ref, Fixed Range



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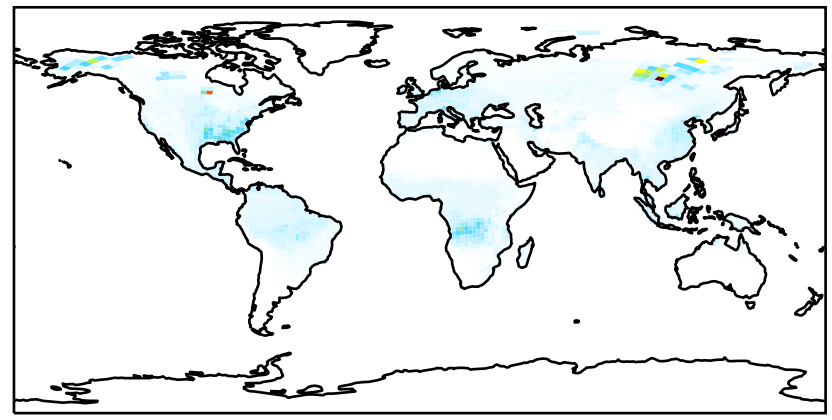
EmisC2H4_Total

GCHP_13.2.0 (Ref)
c48



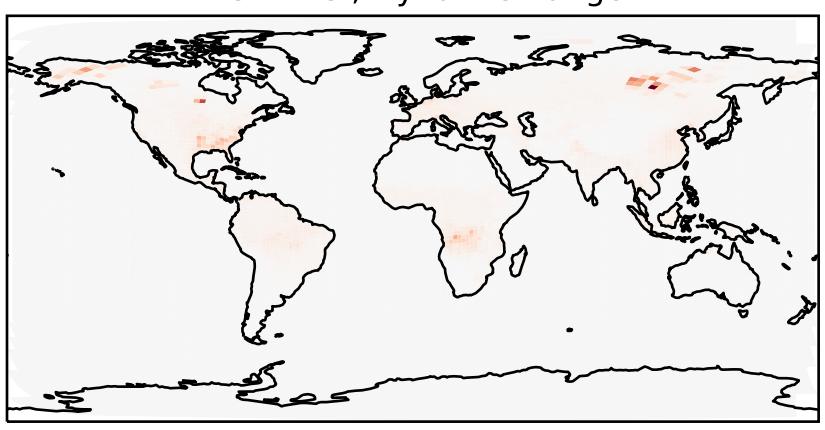
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kg/m2/s

GCHP_13.3.0-rc.1 (Dev)
c48



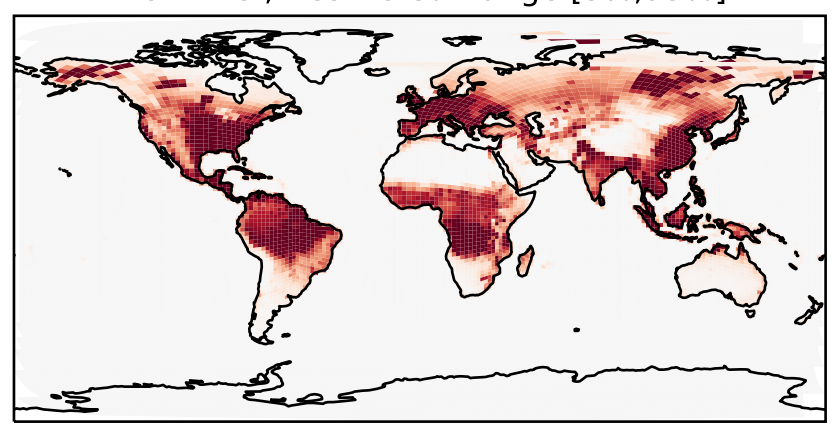
0 1 2 3
kg/m2/s
1e−10

Difference
Dev - Ref, Dynamic Range



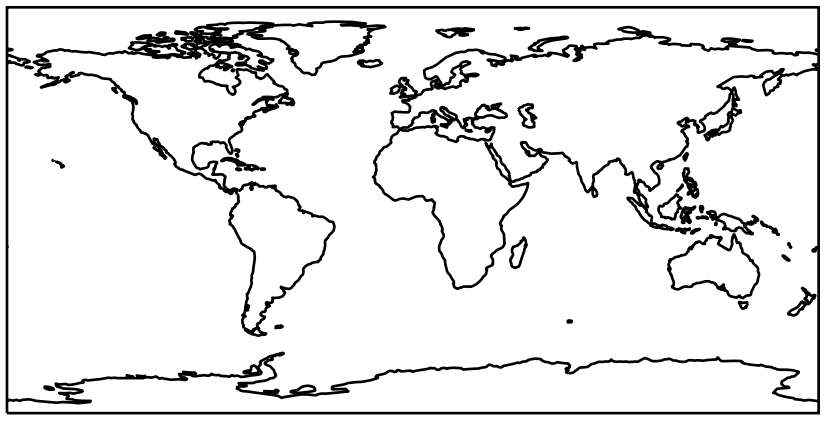
−2 0 2
kg/m2/s
1e−10

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



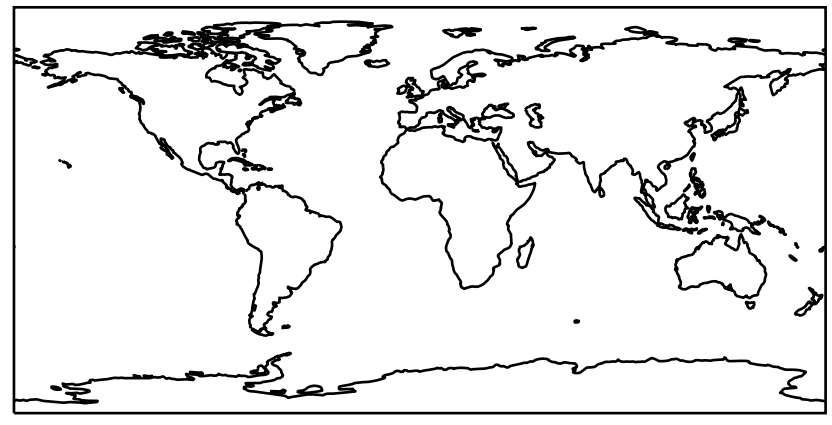
−1 0 1
kg/m2/s
1e−11

Ratio
Dev/Ref, Dynamic Range



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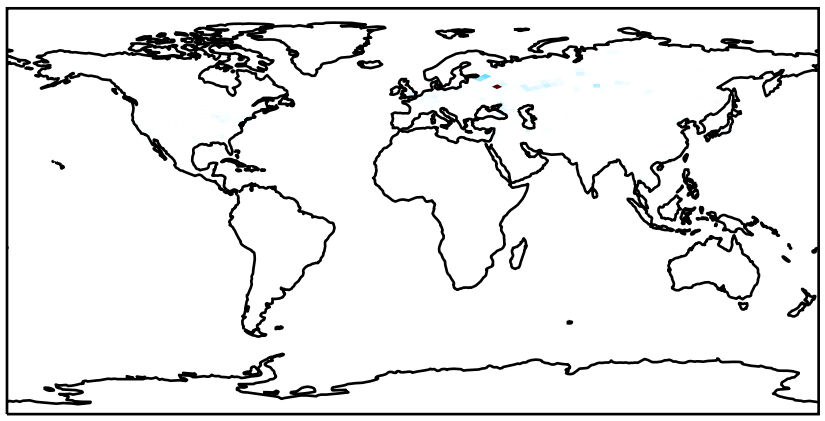
Ratio
Dev/Ref, Fixed Range

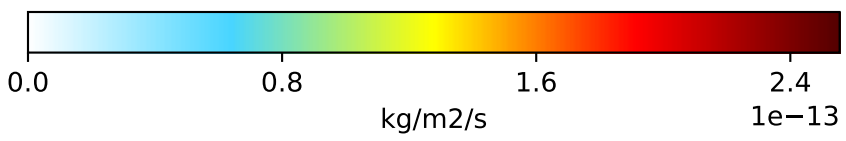


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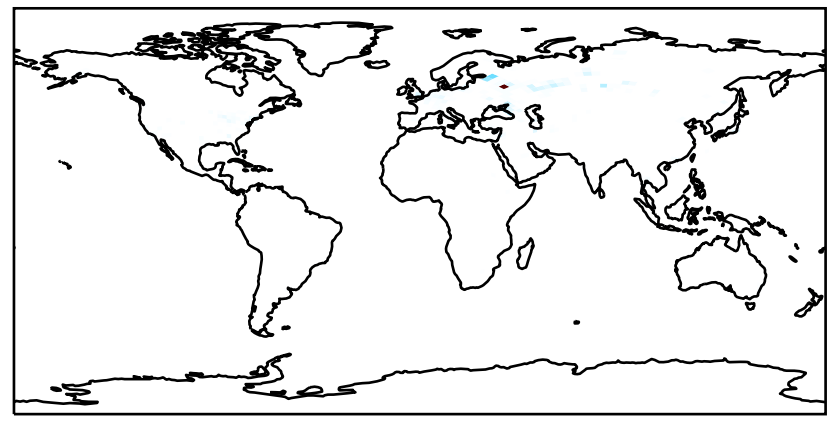
EmisC2H6_Aircraft

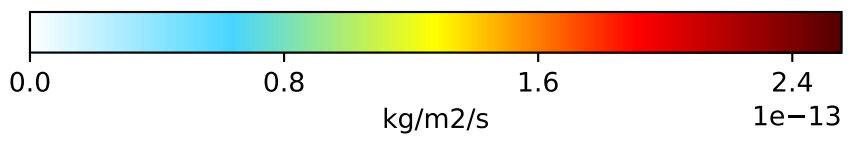
GCHP_13.2.0 (Ref)
c48



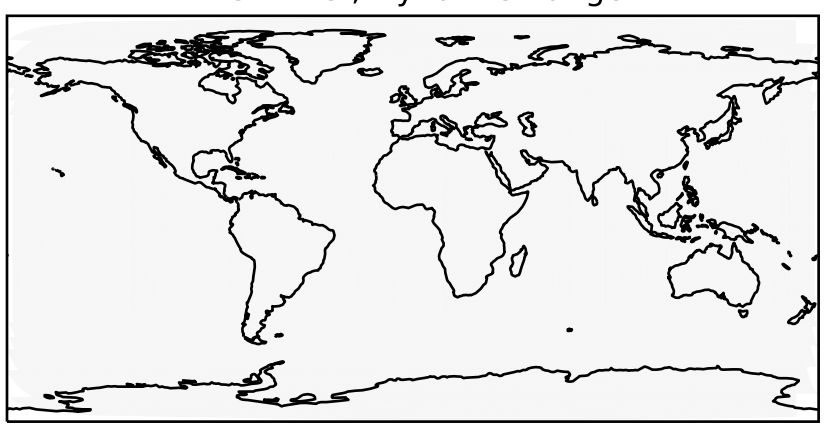


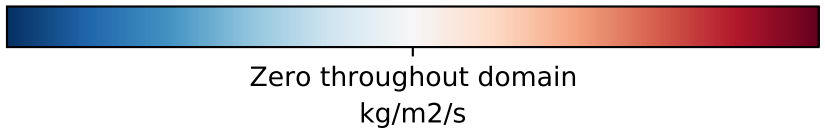
GCHP_13.3.0-rc.1 (Dev)
c48



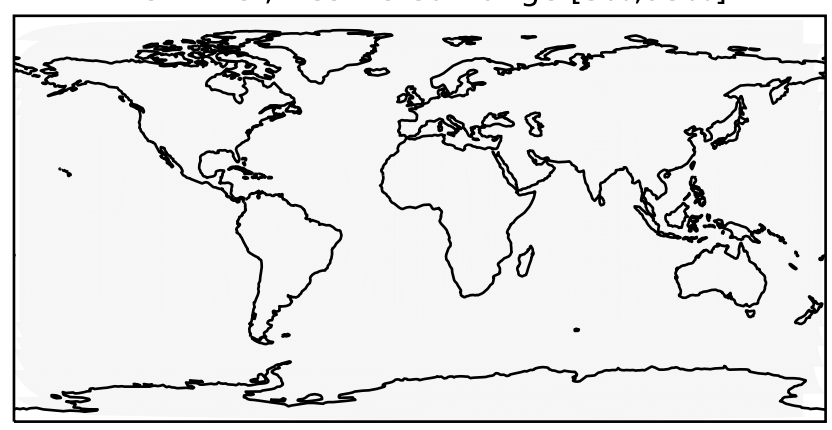


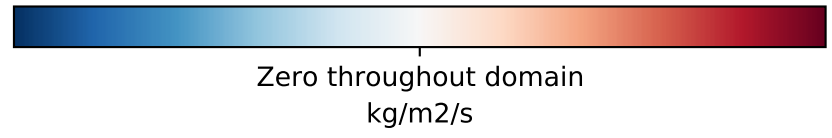
Difference
Dev - Ref, Dynamic Range



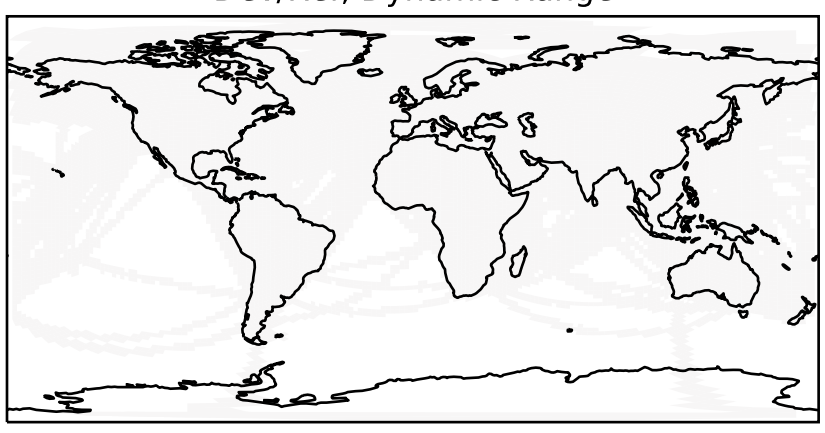


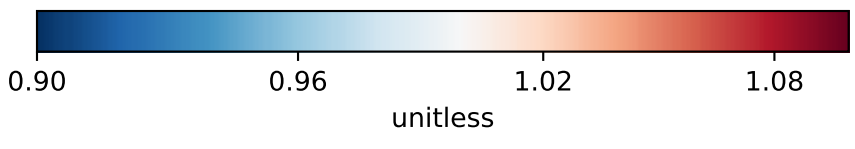
Difference
Dev - Ref, Restricted Range [5%,95%]



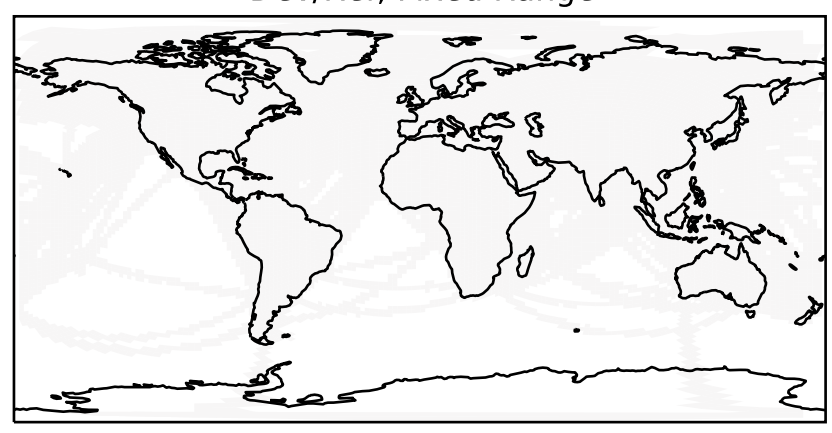


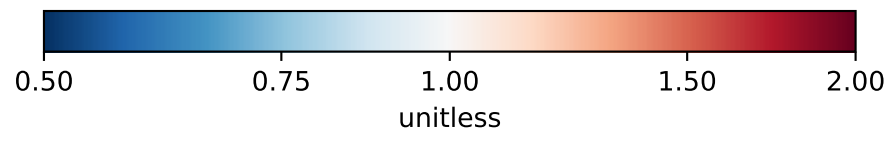
Ratio
Dev/Ref, Dynamic Range





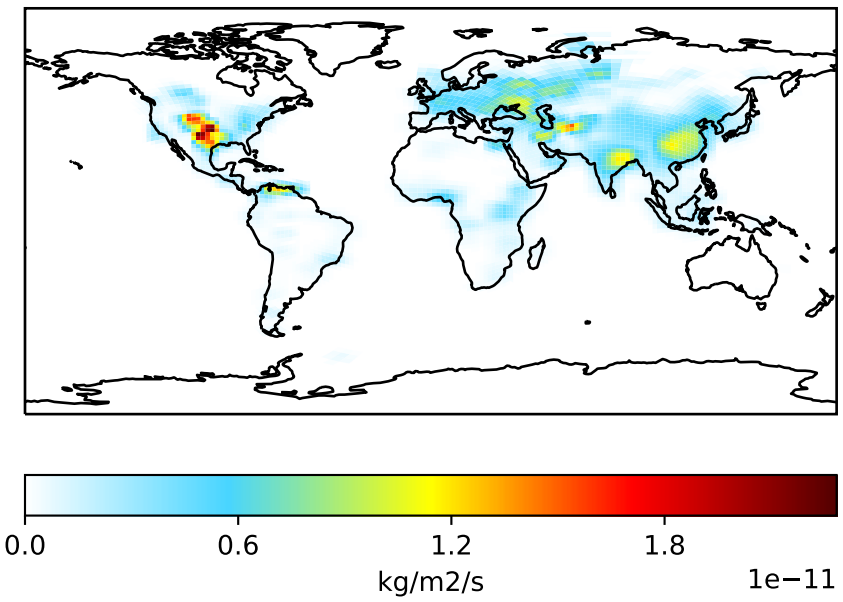
Ratio
Dev/Ref, Fixed Range



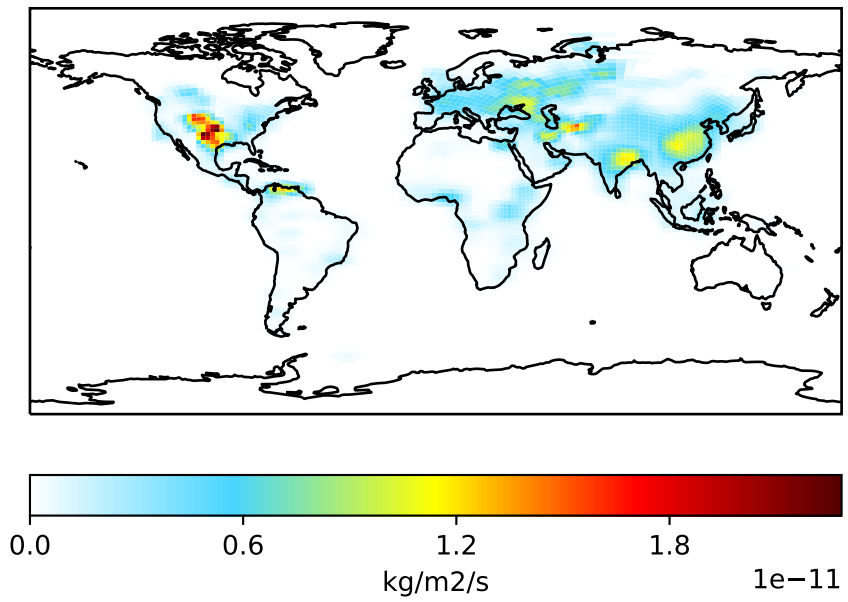


EmisC2H6_Anthro

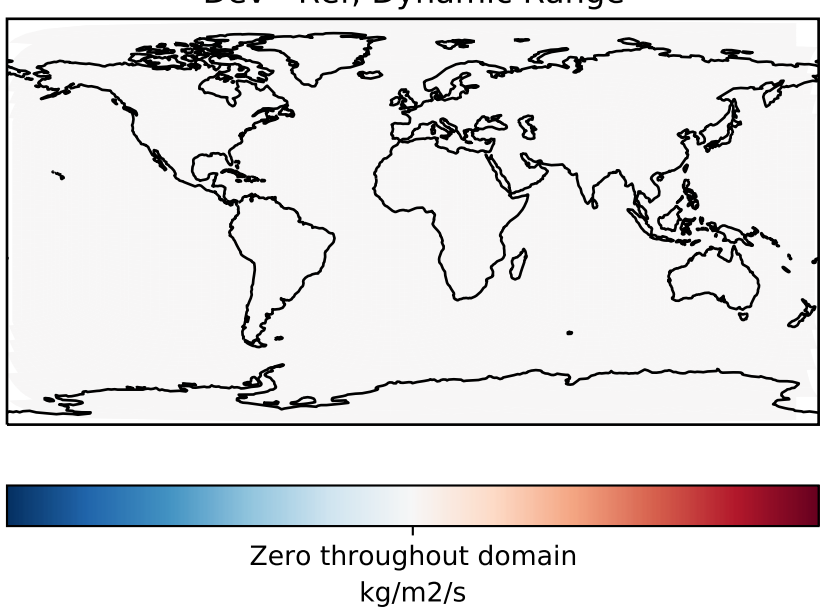
GCHP_13.2.0 (Ref)
c48



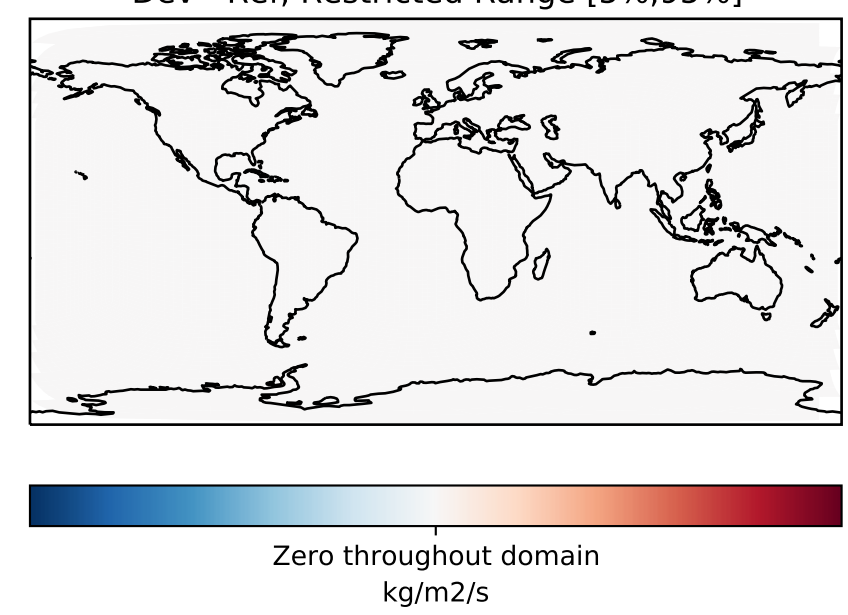
GCHP_13.3.0-rc.1 (Dev)
c48



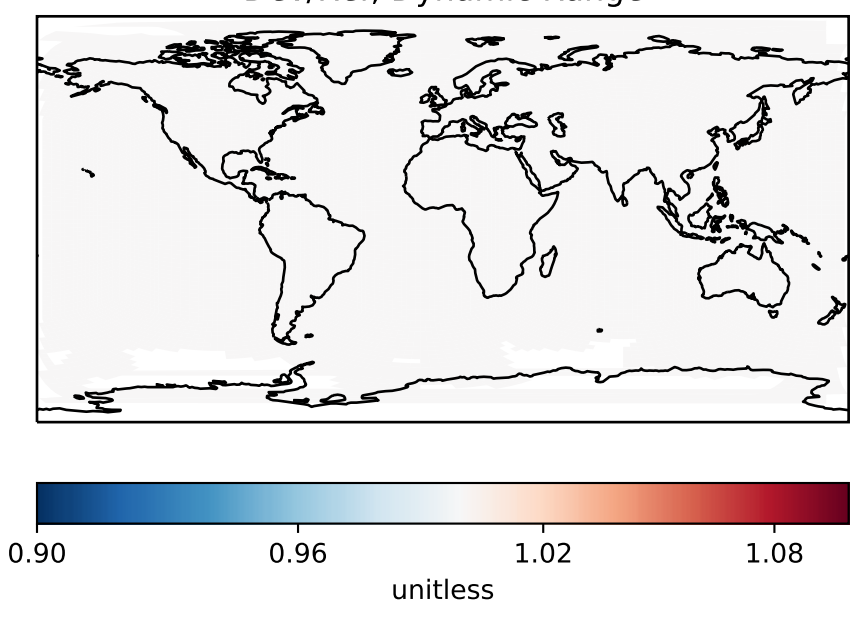
Difference
Dev - Ref, Dynamic Range



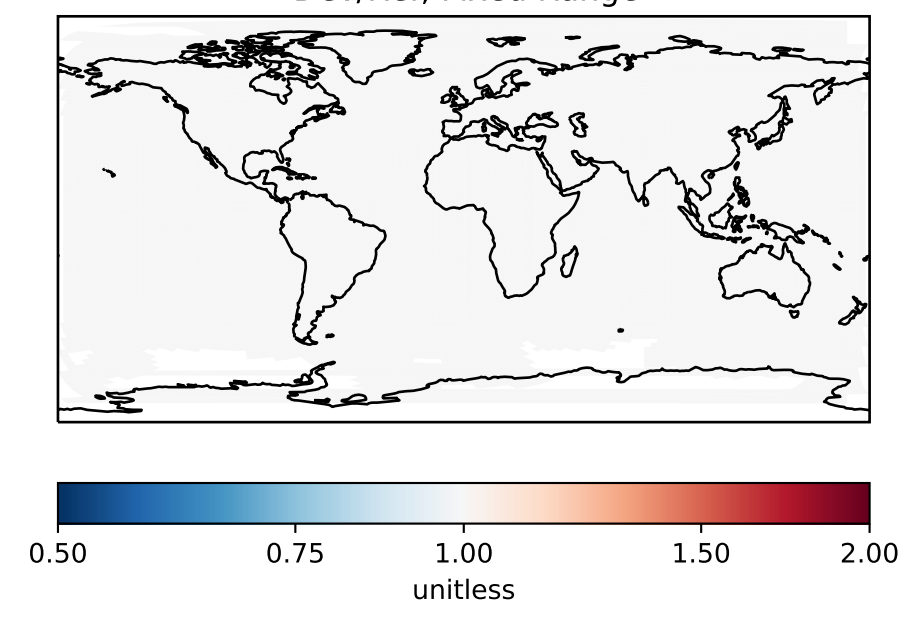
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

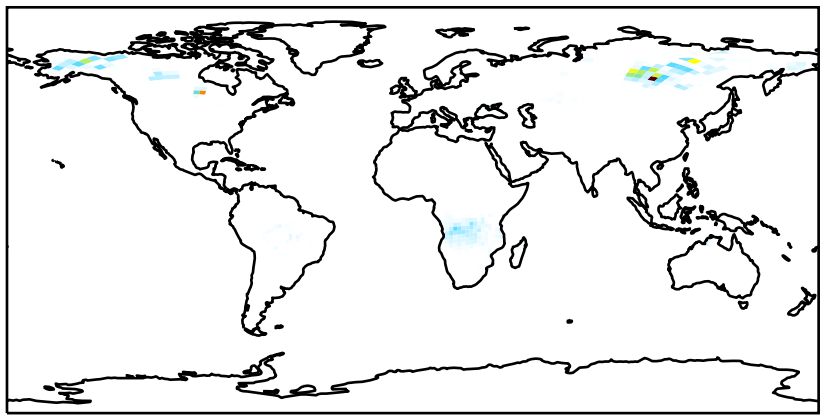


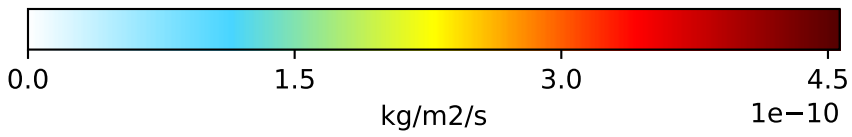
Ratio
Dev/Ref, Fixed Range



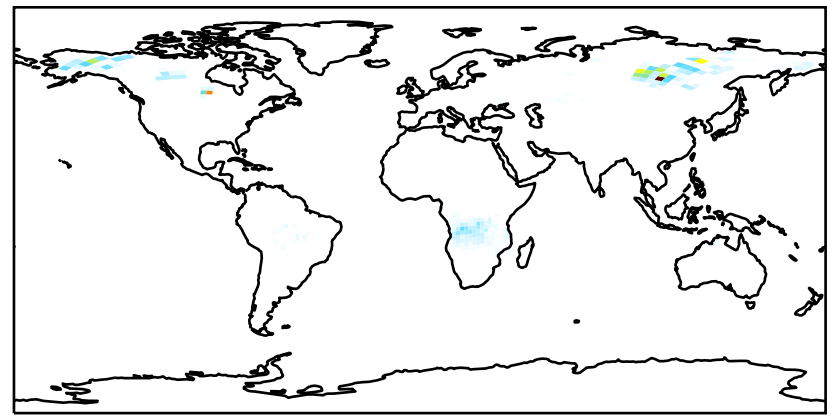
EmisC2H6_BioBurn

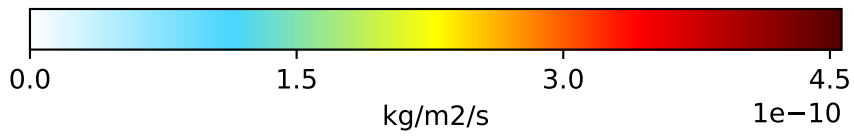
GCHP_13.2.0 (Ref)
c48



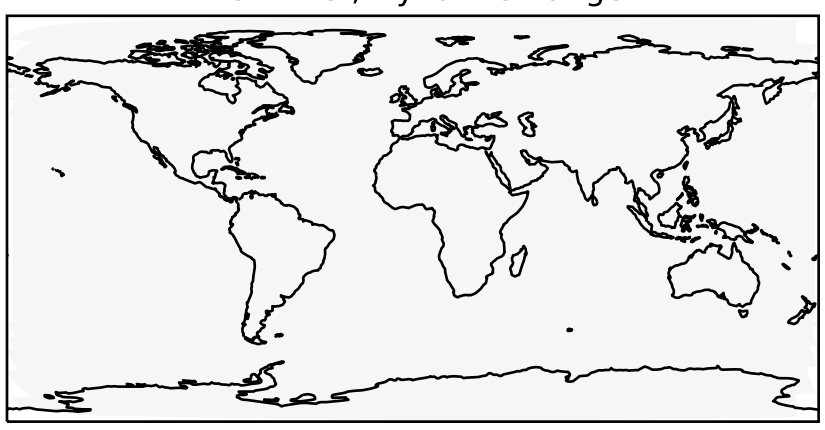


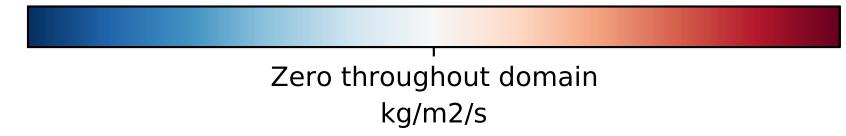
GCHP_13.3.0-rc.1 (Dev)
c48



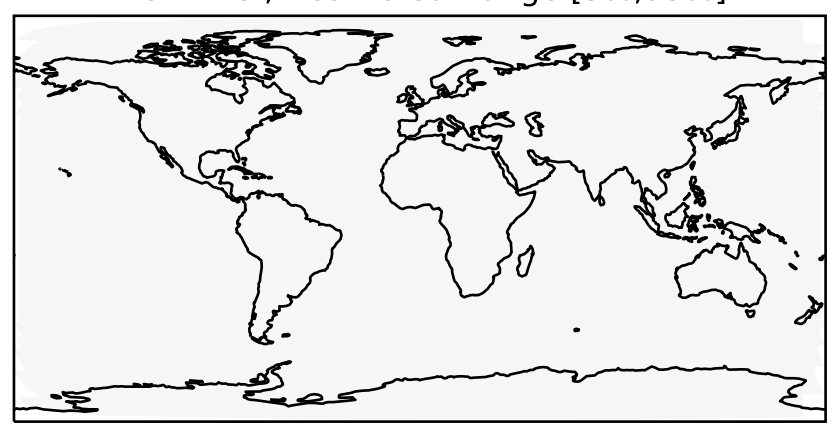


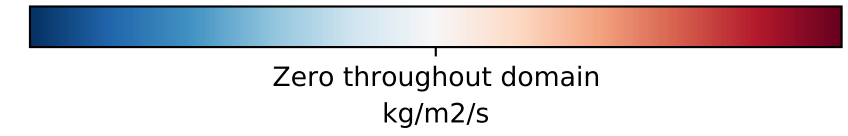
Difference
Dev - Ref, Dynamic Range



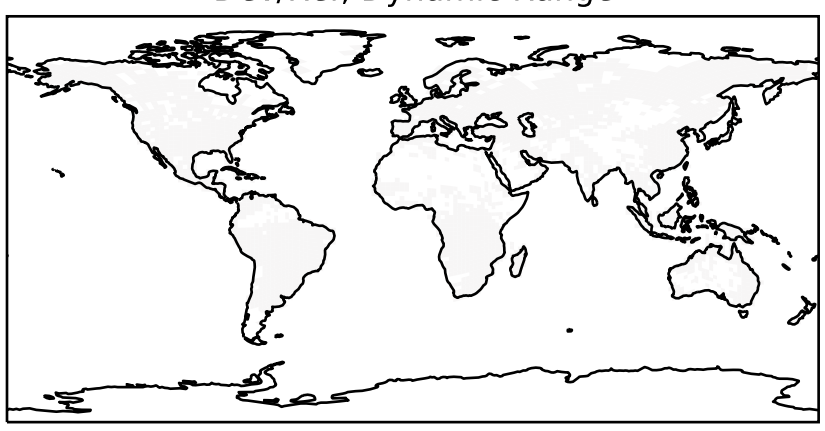


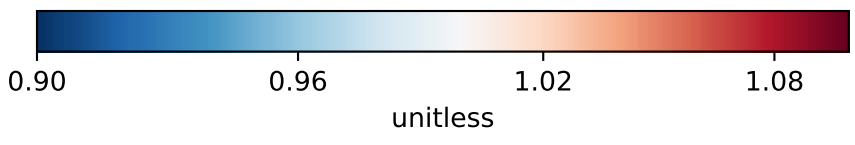
Difference
Dev - Ref, Restricted Range [5%,95%]



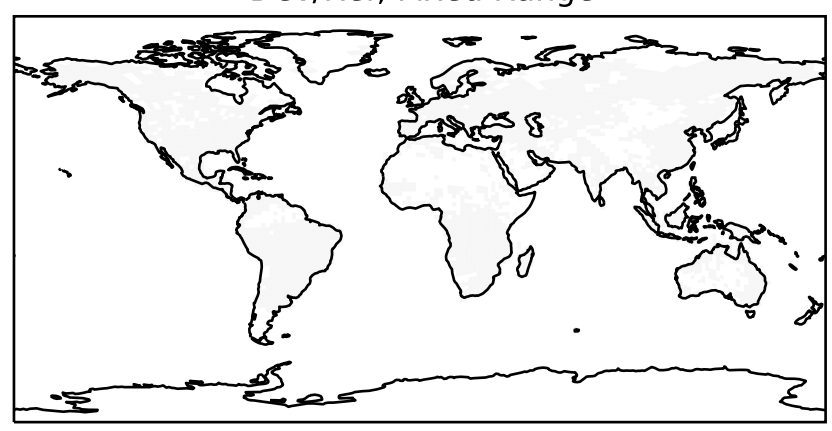


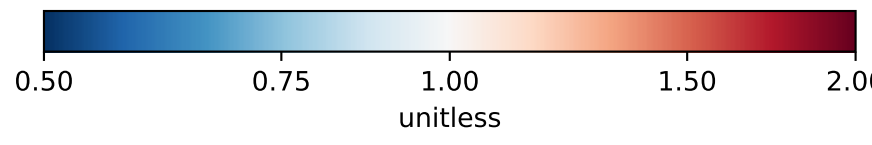
Ratio
Dev/Ref, Dynamic Range





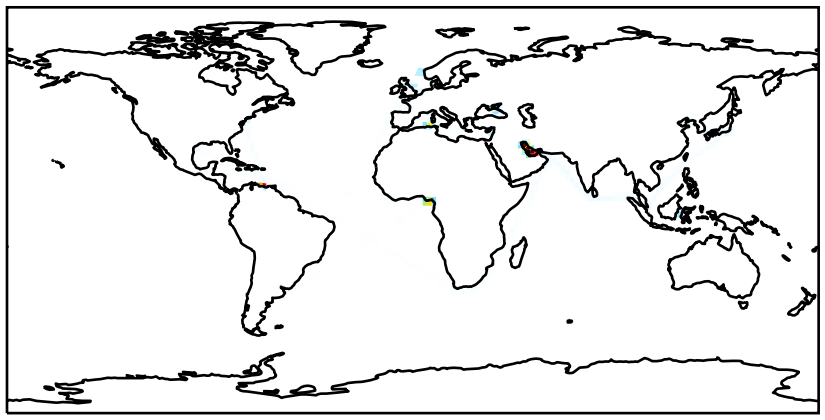
Ratio
Dev/Ref, Fixed Range

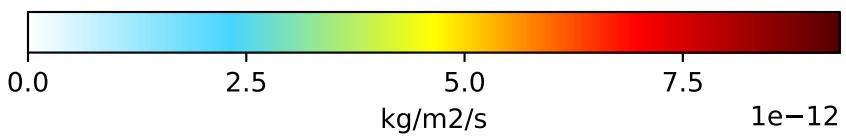




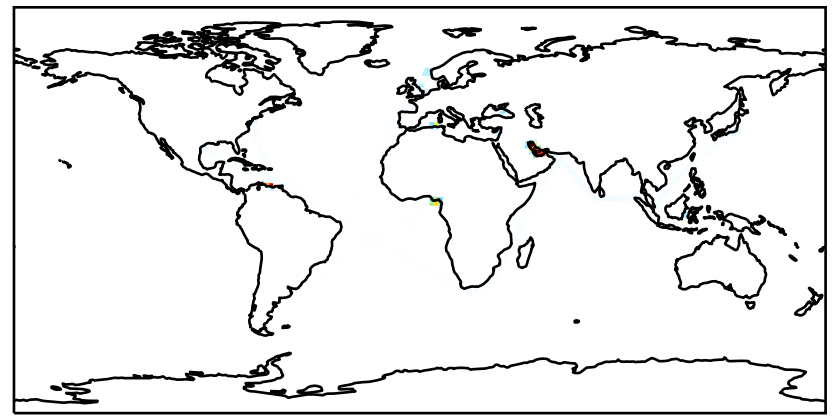
EmisC2H6_Ship

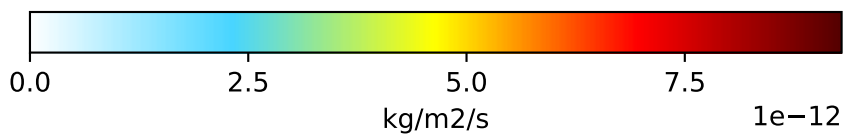
GCHP_13.2.0 (Ref)
c48



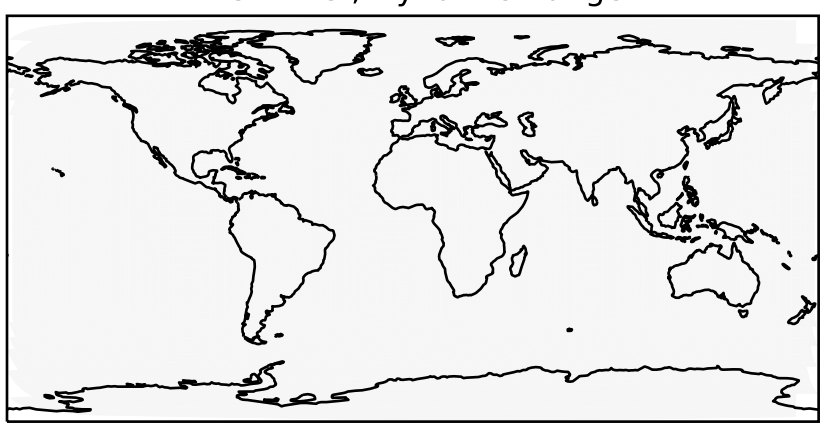


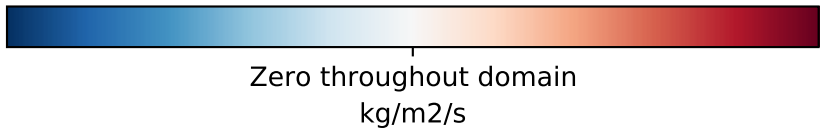
GCHP_13.3.0-rc.1 (Dev)
c48



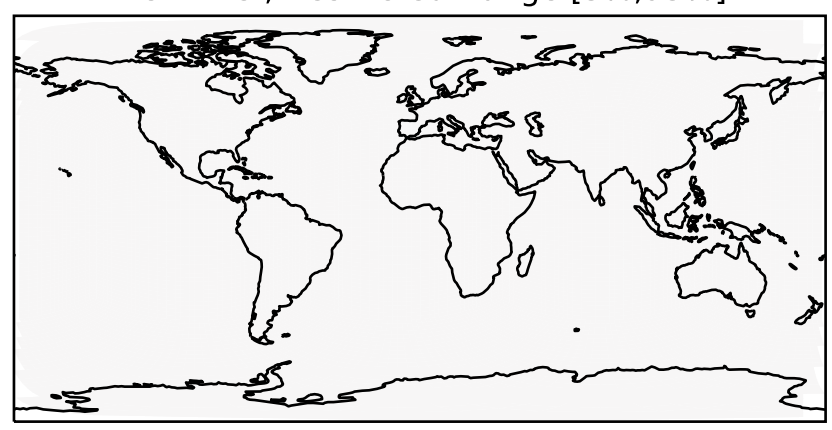


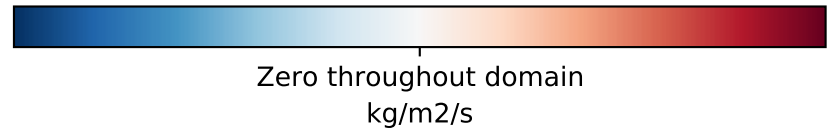
Difference
Dev - Ref, Dynamic Range



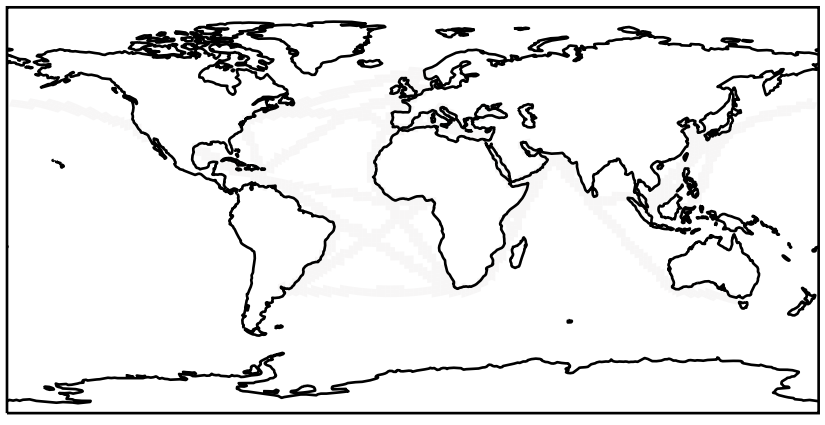


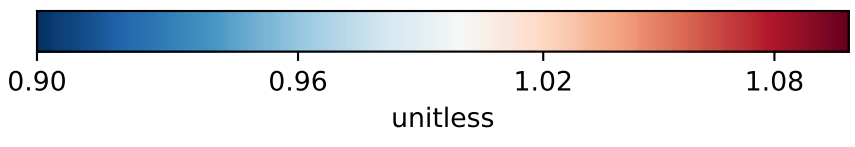
Difference
Dev - Ref, Restricted Range [5%,95%]



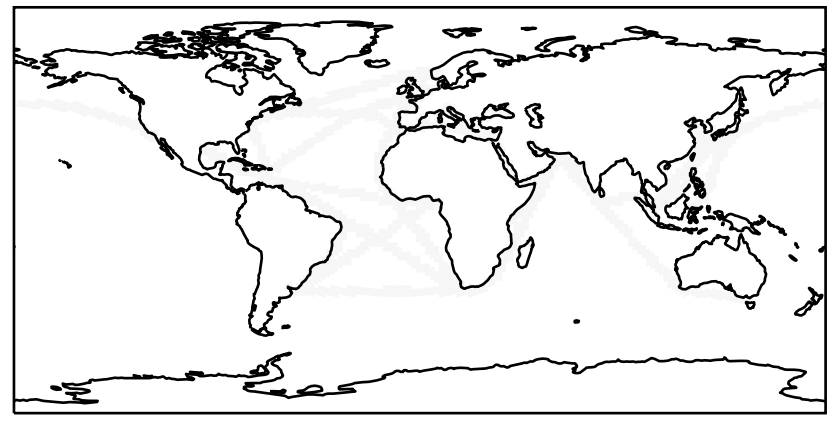


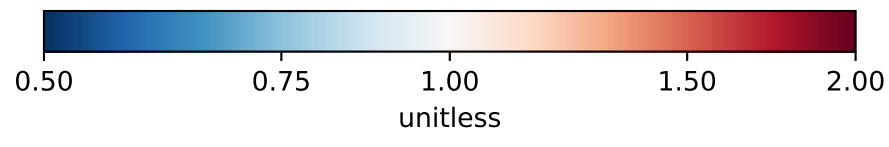
Ratio
Dev/Ref, Dynamic Range





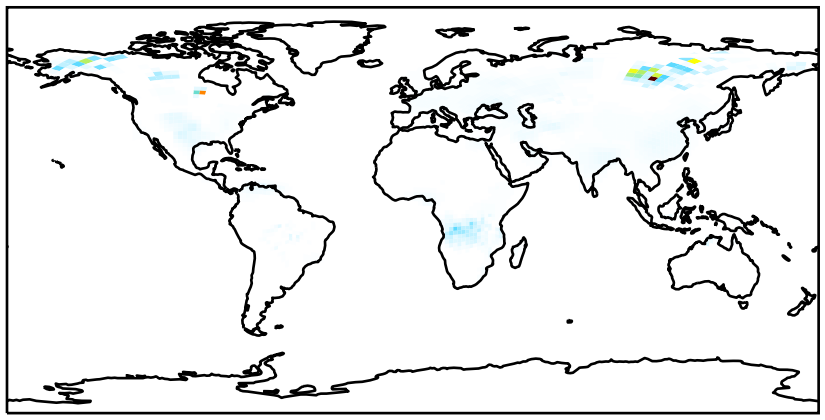
Ratio
Dev/Ref, Fixed Range

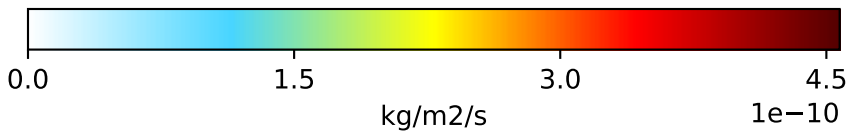




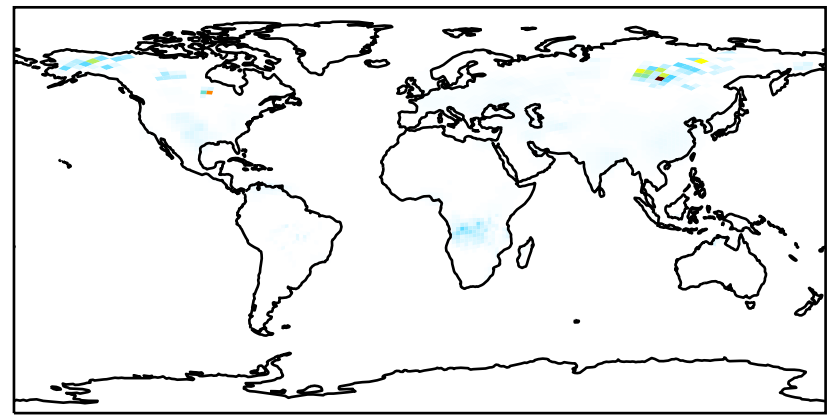
EmisC2H6_Total

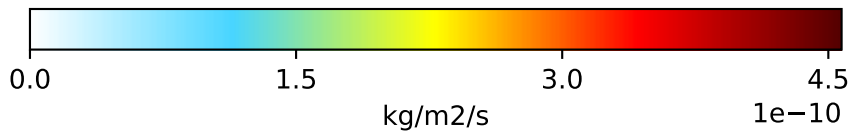
GCHP_13.2.0 (Ref)
c48



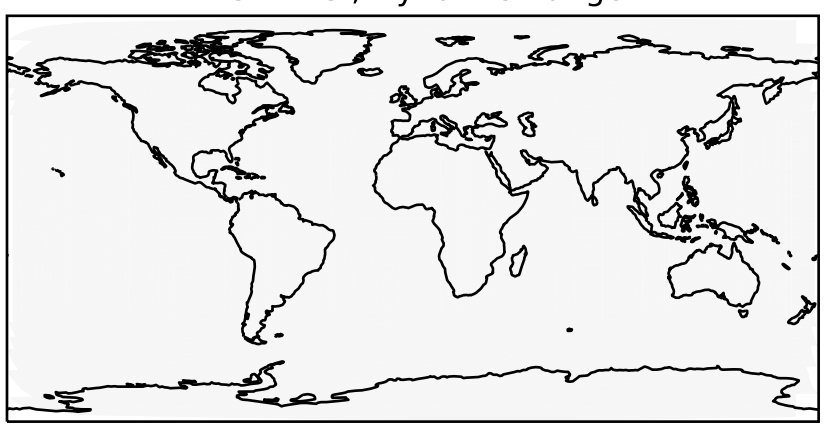


GCHP_13.3.0-rc.1 (Dev)
c48



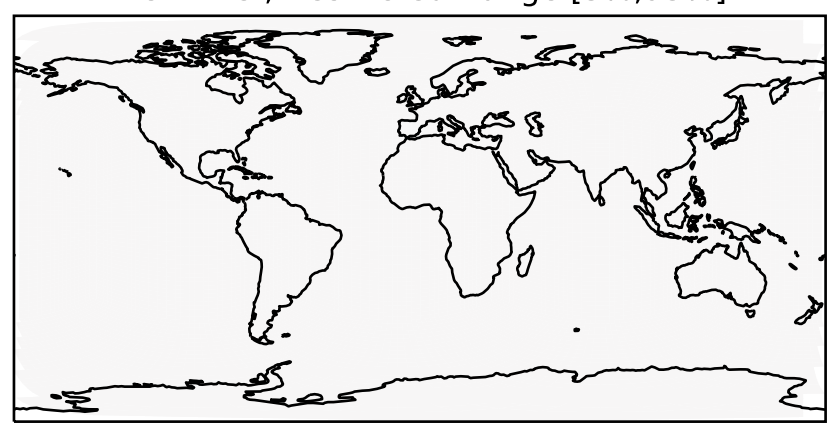


Difference
Dev - Ref, Dynamic Range



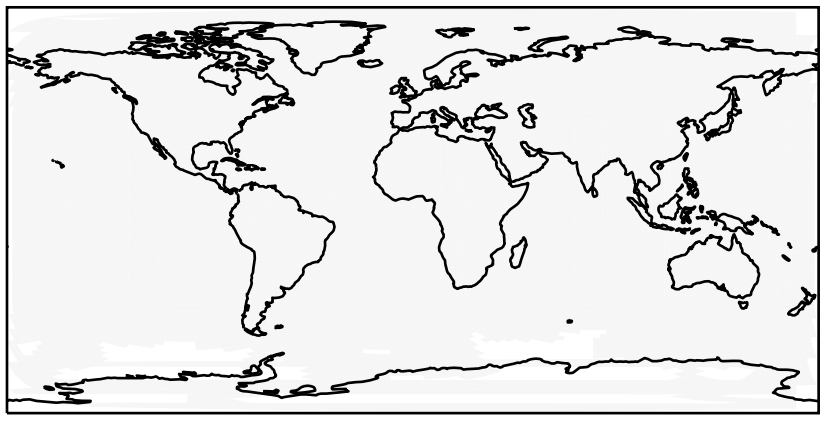


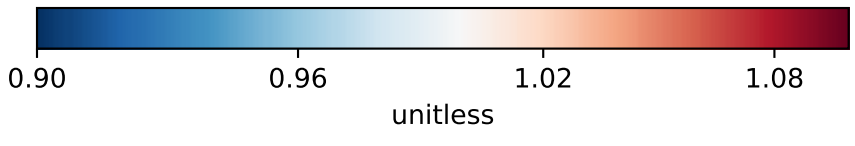
Difference
Dev - Ref, Restricted Range [5%,95%]



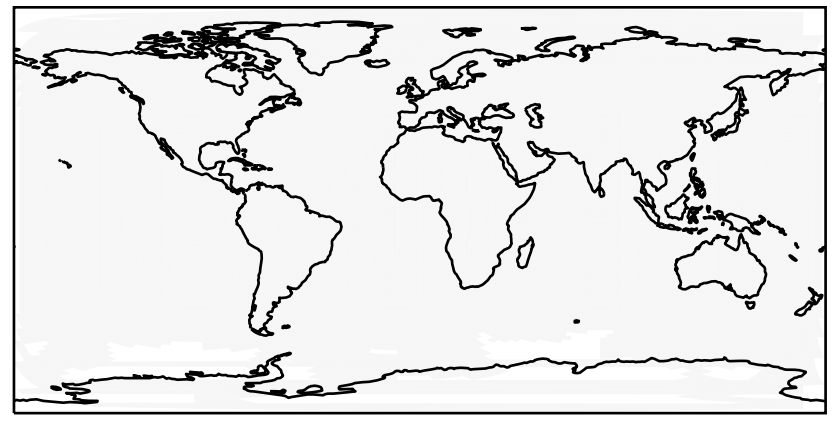


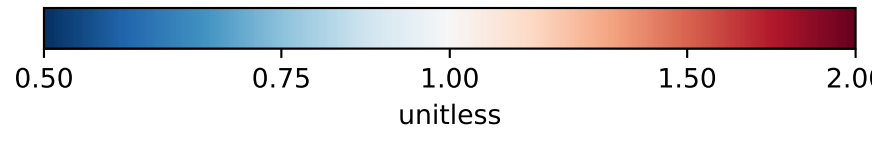
Ratio
Dev/Ref, Dynamic Range





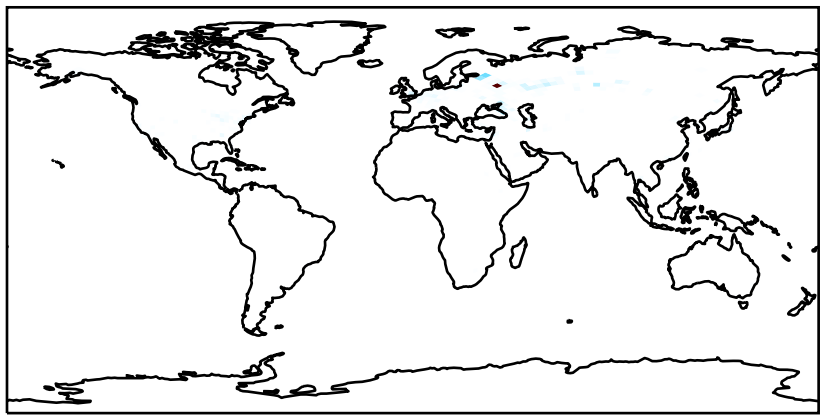
Ratio
Dev/Ref, Fixed Range

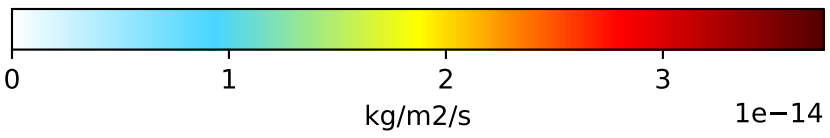




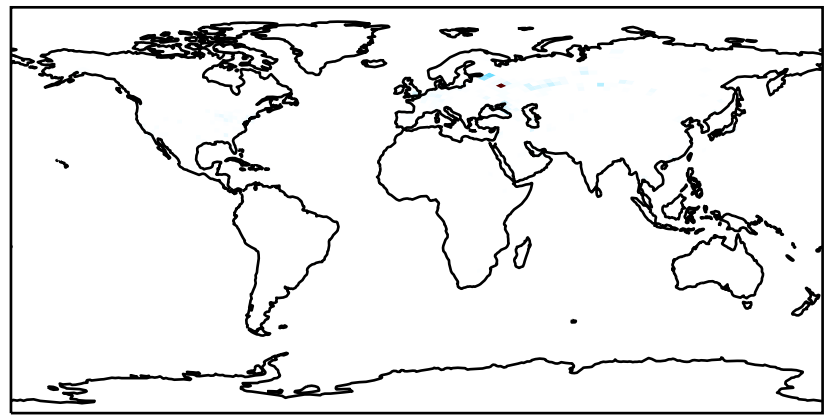
EmisC3H8_Aircraft

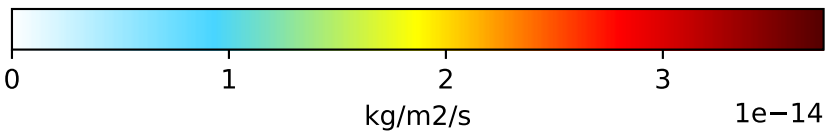
GCHP_13.2.0 (Ref)
c48



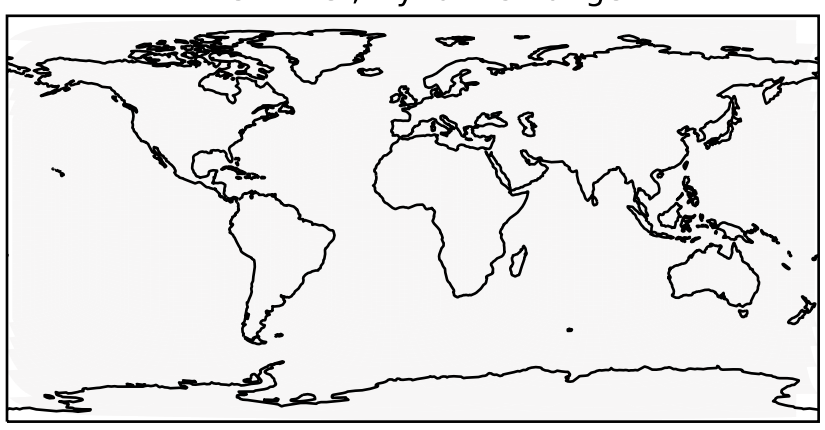


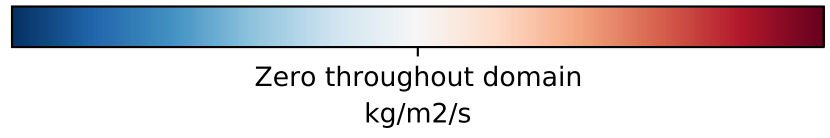
GCHP_13.3.0-rc.1 (Dev)
c48



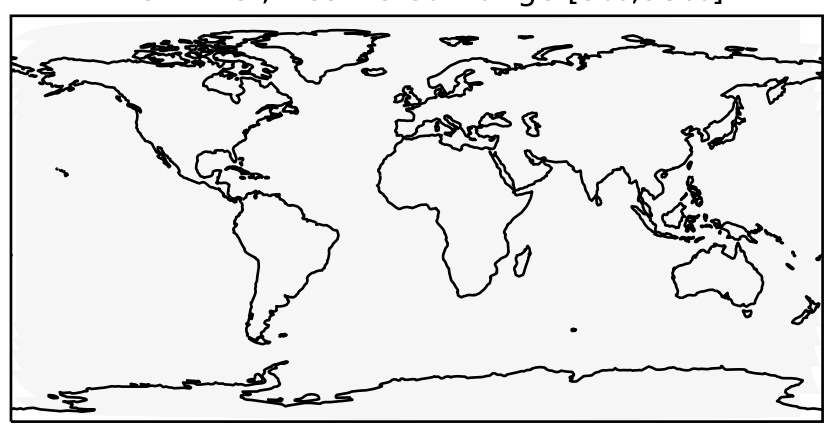


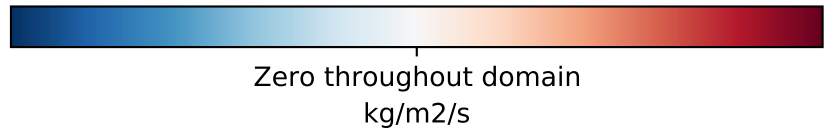
Difference
Dev - Ref, Dynamic Range



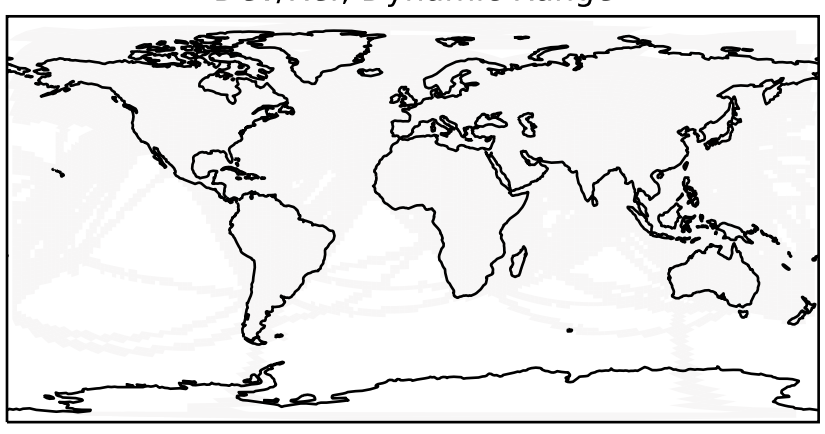


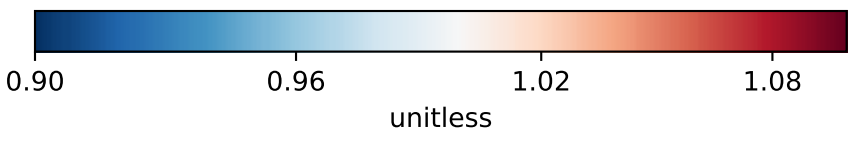
Difference
Dev - Ref, Restricted Range [5%,95%]



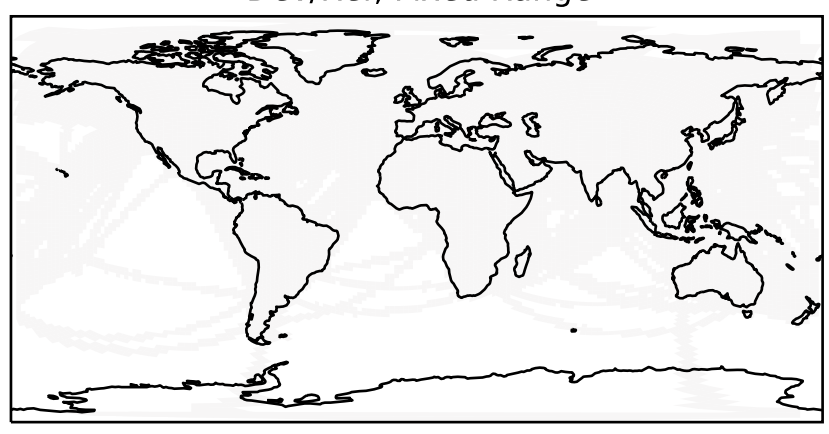


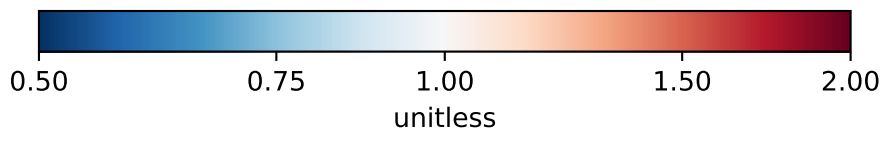
Ratio
Dev/Ref, Dynamic Range





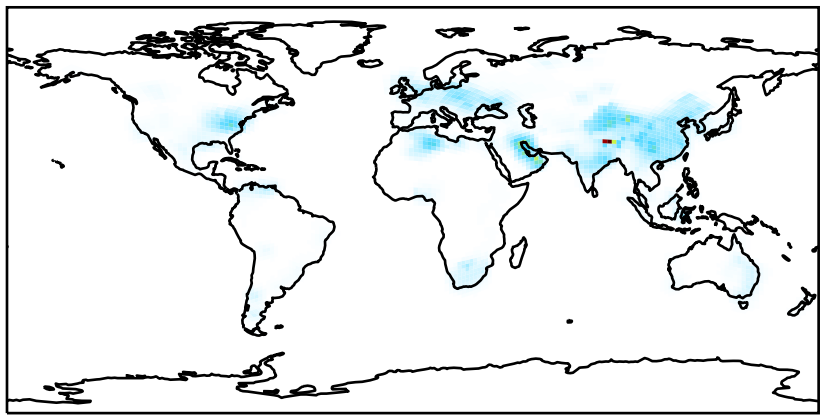
Ratio
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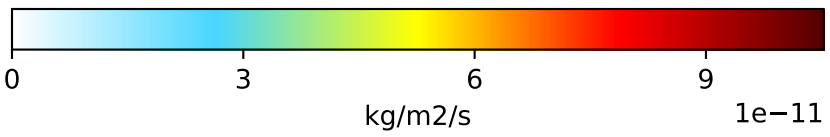




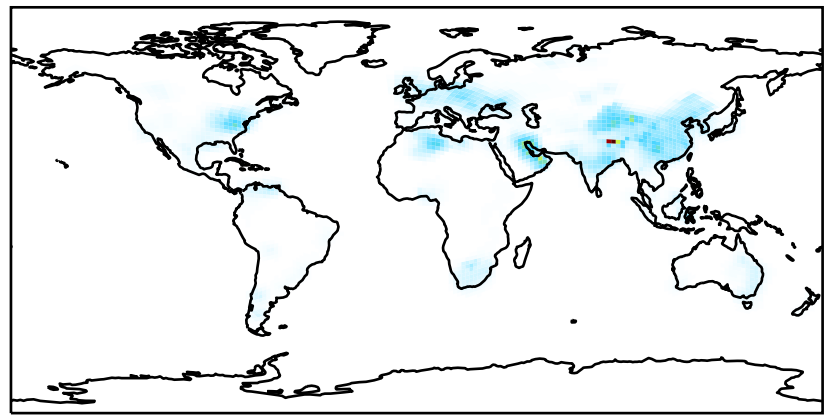
EmisC3H8_Anthro

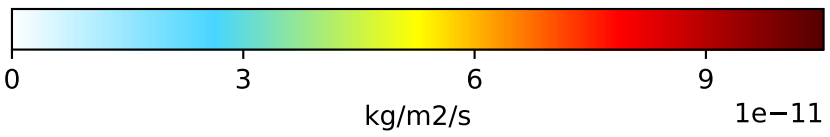
GCHP_13.2.0 (Ref)
c48



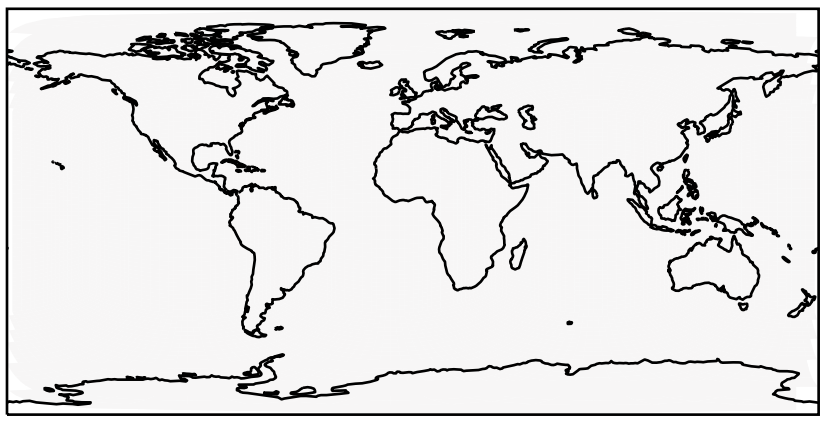


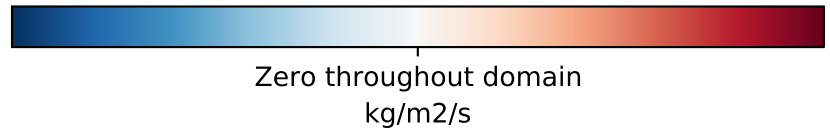
GCHP_13.3.0-rc.1 (Dev)
c48



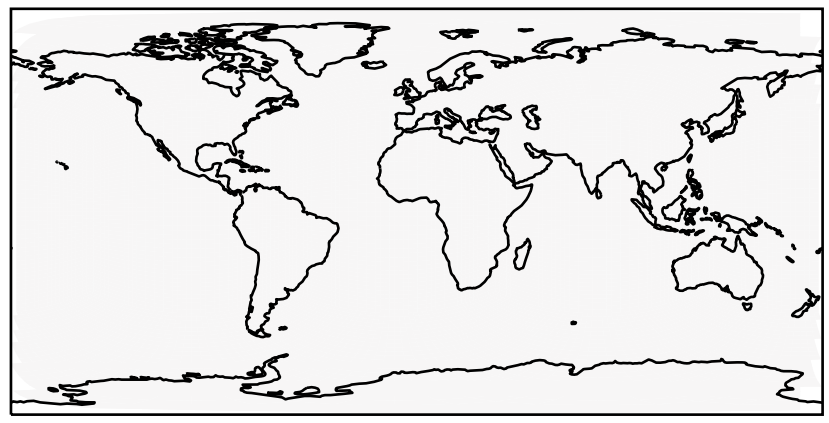


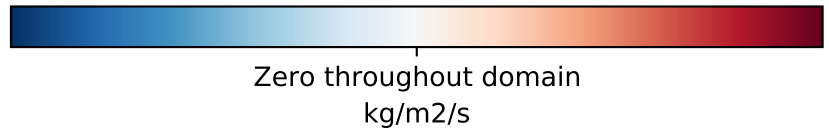
Difference
Dev - Ref, Dynamic Range



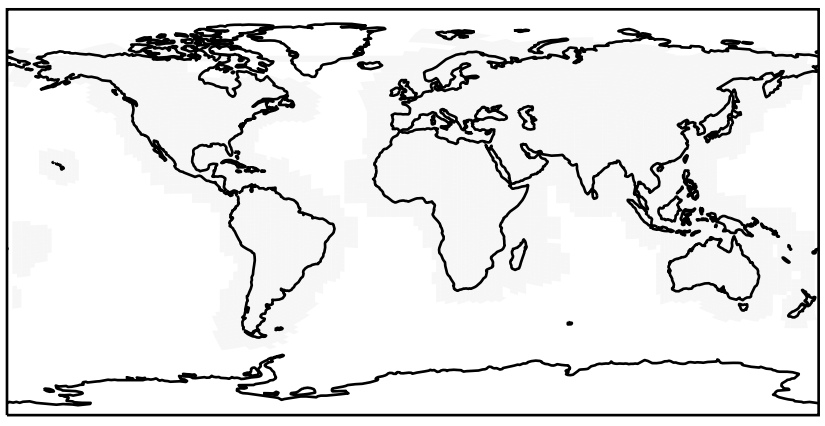


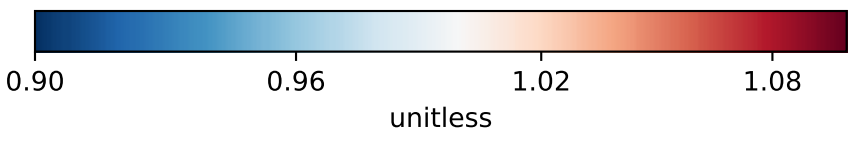
Difference
Dev - Ref, Restricted Range [5%,95%]



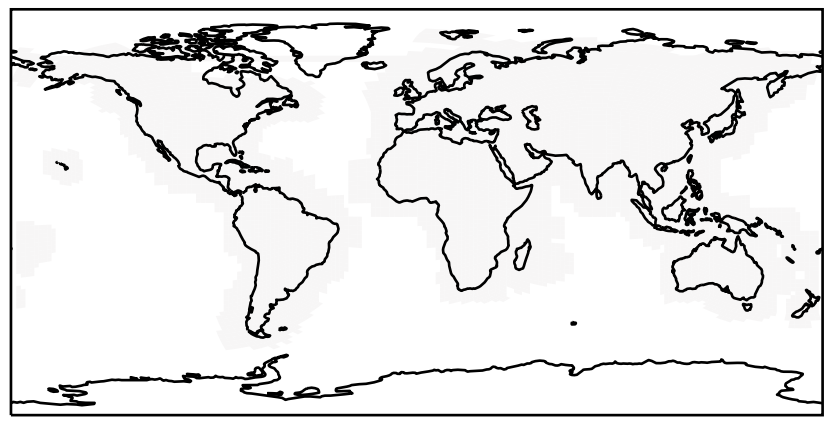


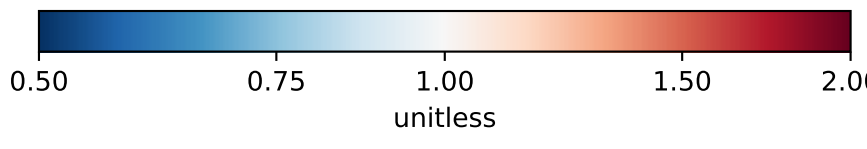
Ratio
Dev/Ref, Dynamic Range





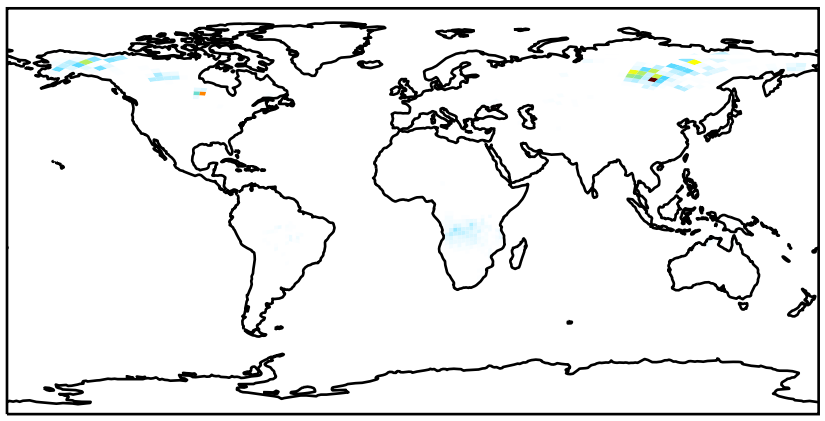
Ratio
Dev/Ref, Fixed Range

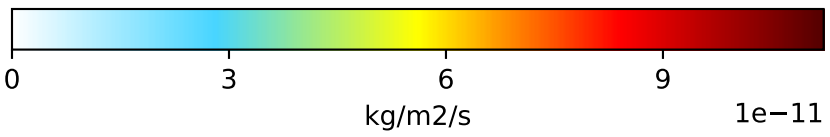




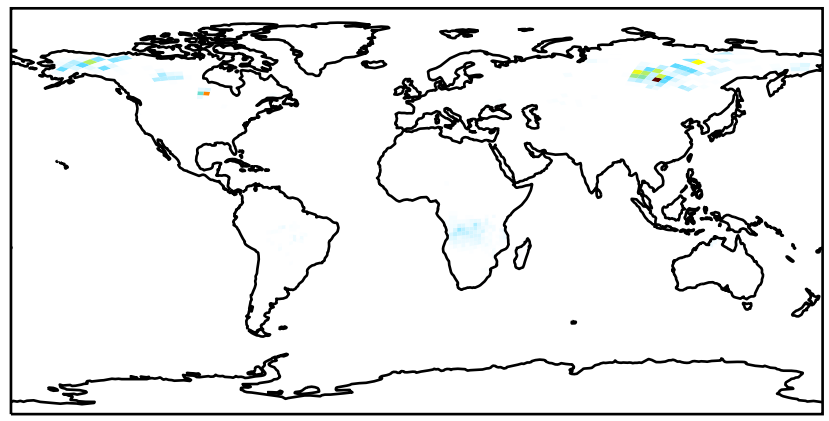
EmisC3H8_BioBurn

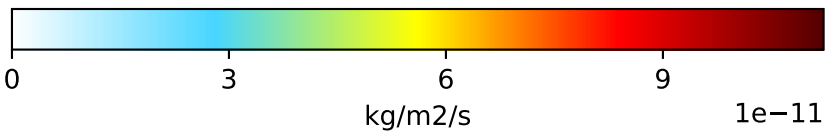
GCHP_13.2.0 (Ref)
c48



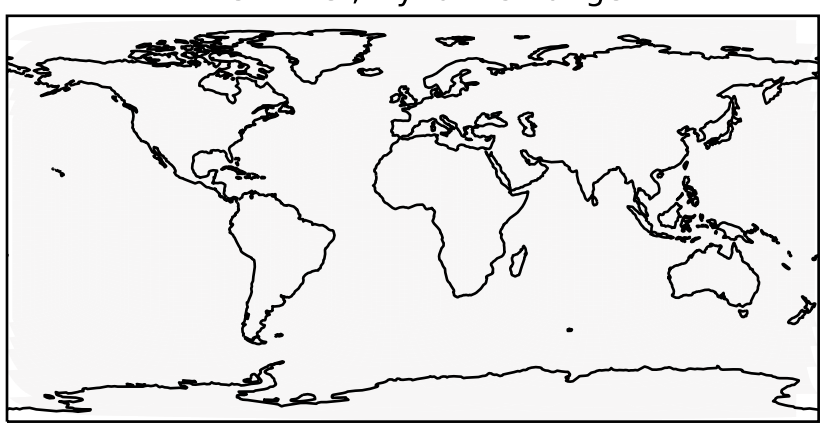


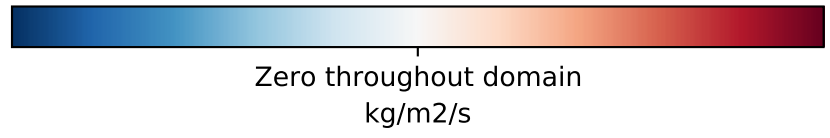
GCHP_13.3.0-rc.1 (Dev)
c48



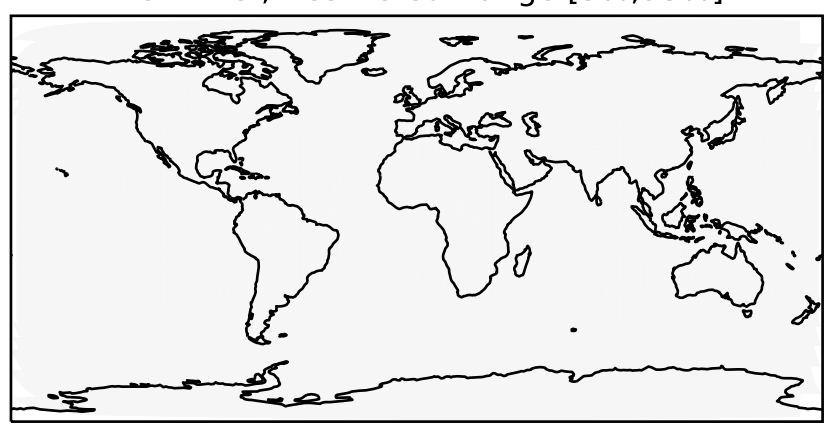


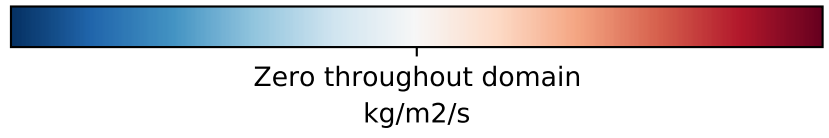
Difference
Dev - Ref, Dynamic Range





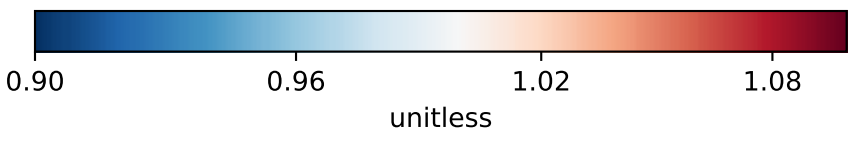
Difference
Dev - Ref, Restricted Range [5%,95%]



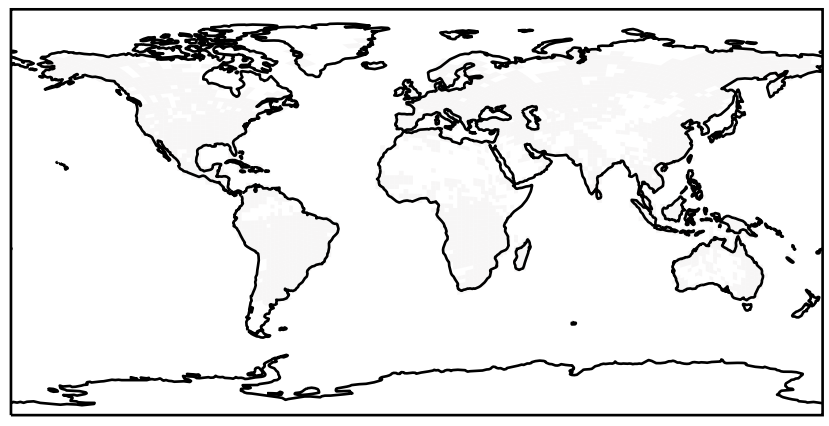


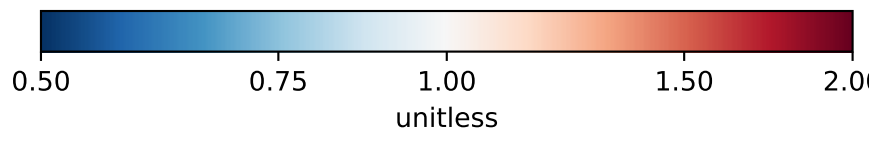
Ratio
Dev/Ref, Dynamic Range





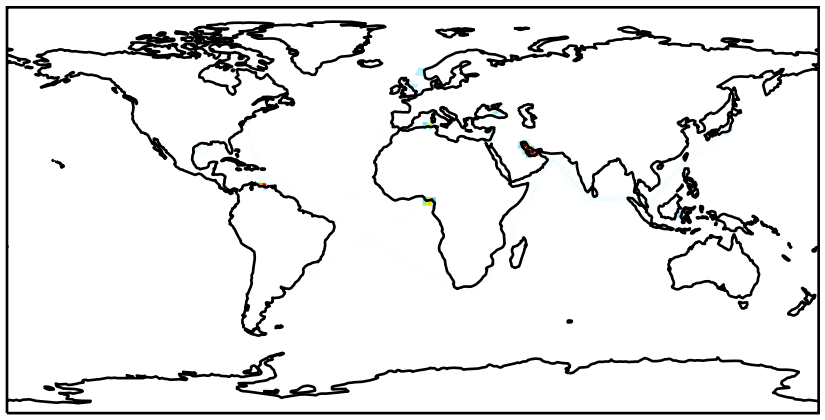
Ratio
Dev/Ref, Fixed Range

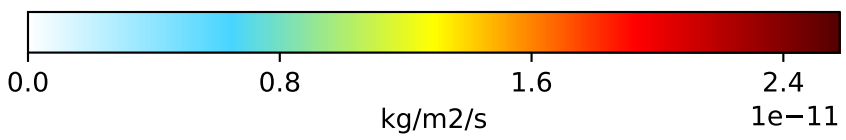




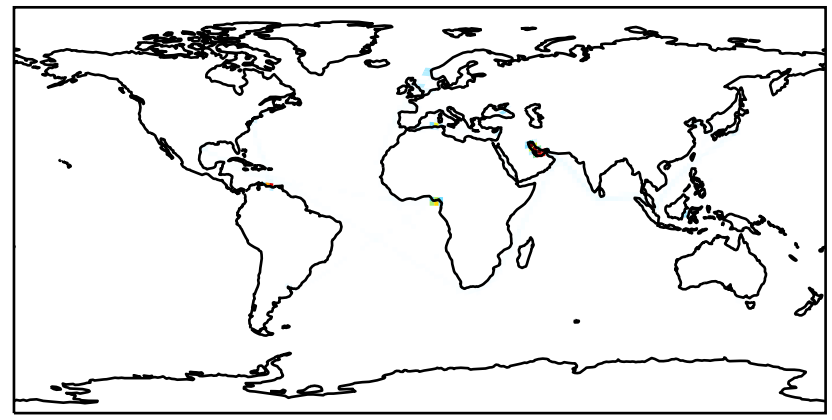
EmisC3H8_Ship

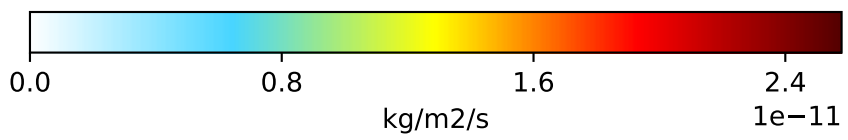
GCHP_13.2.0 (Ref)
c48



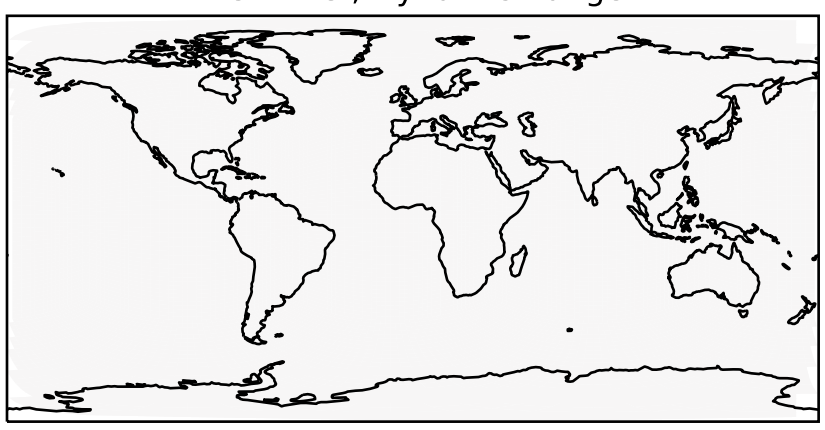


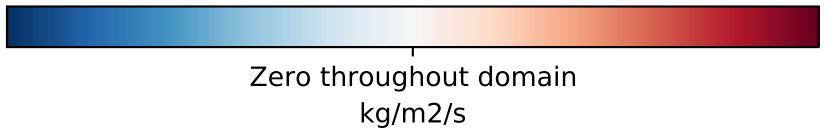
GCHP_13.3.0-rc.1 (Dev)
c48



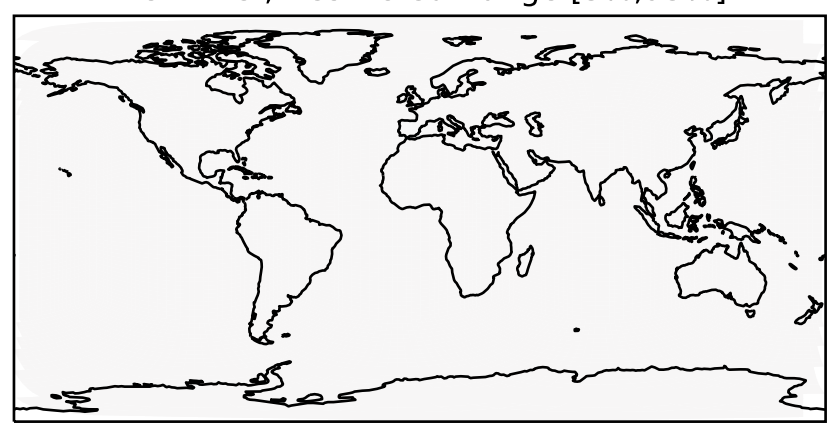


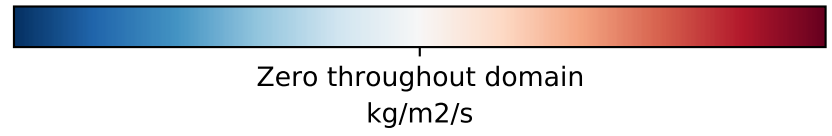
Difference
Dev - Ref, Dynamic Range



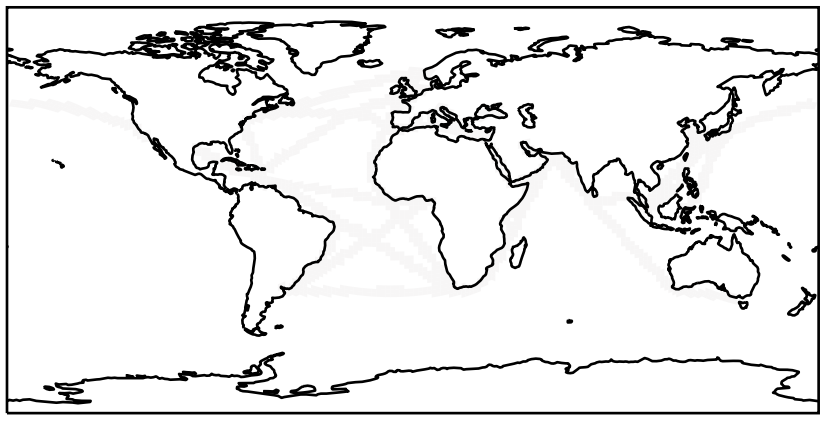


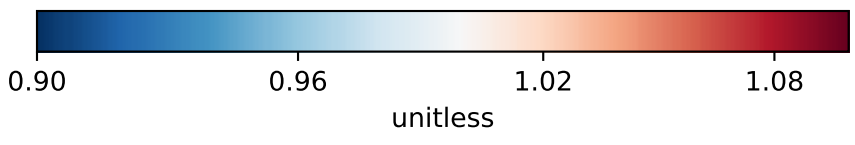
Difference
Dev - Ref, Restricted Range [5%,95%]



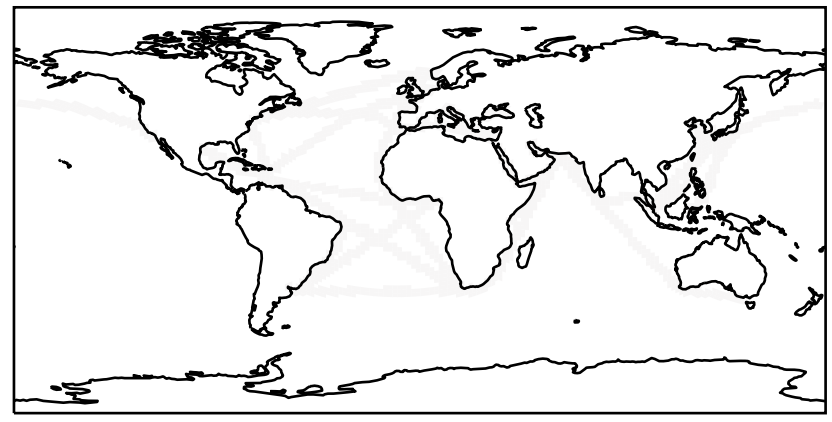


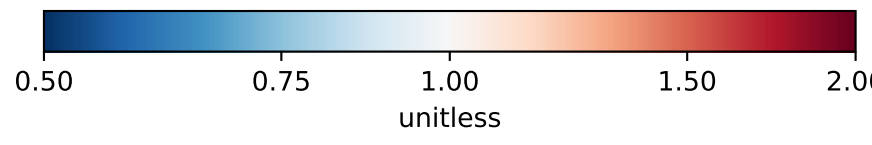
Ratio
Dev/Ref, Dynamic Range





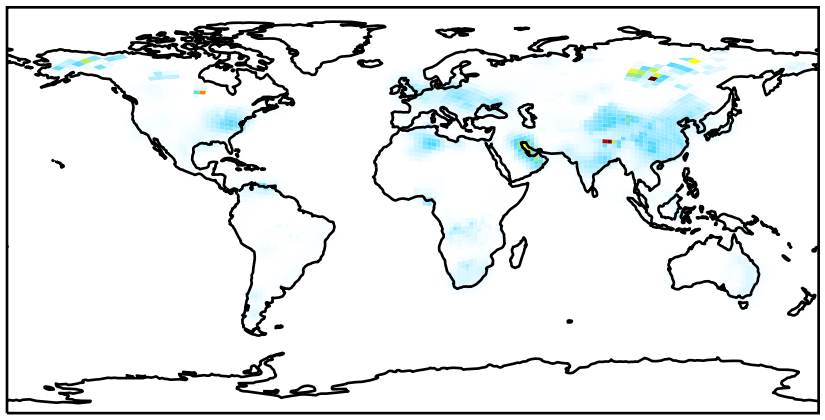
Ratio
Dev/Ref, Fixed Range

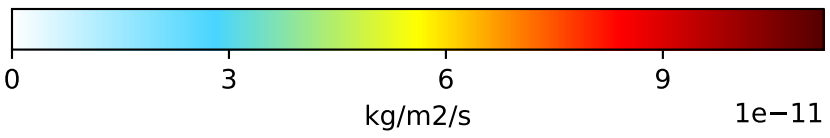




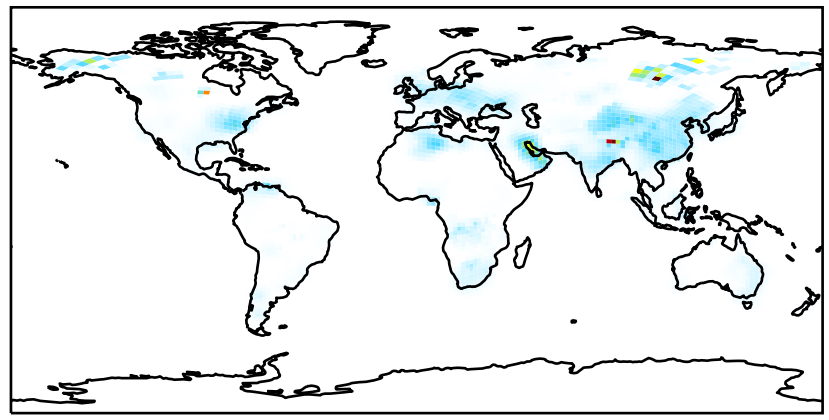
EmisC3H8_Total

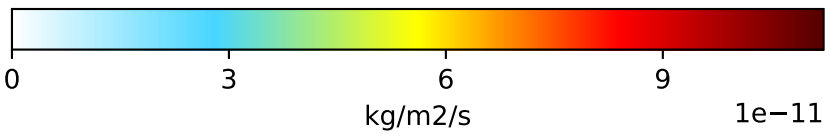
GCHP_13.2.0 (Ref)
c48



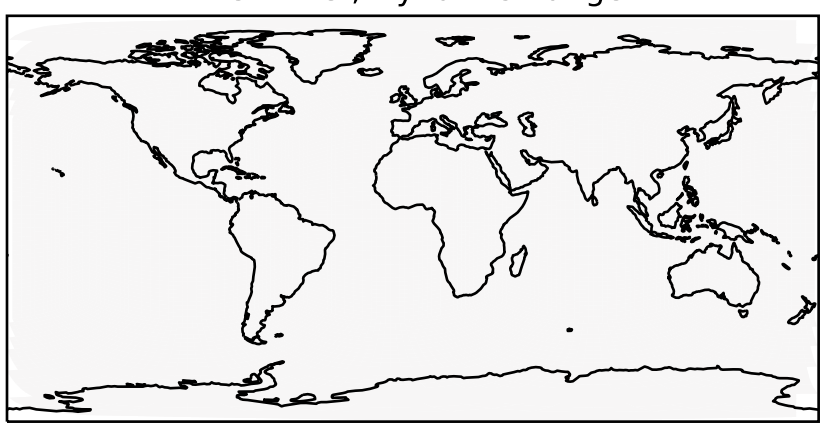


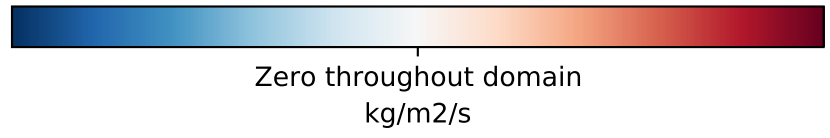
GCHP_13.3.0-rc.1 (Dev)
c48



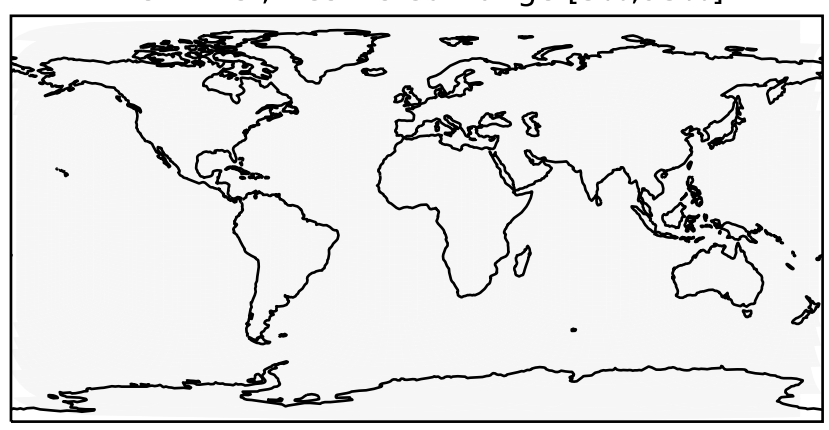


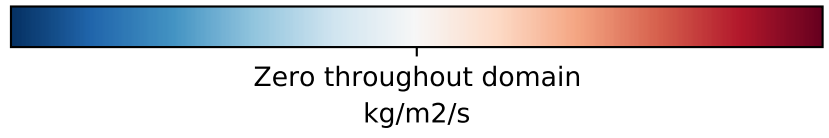
Difference
Dev - Ref, Dynamic Range



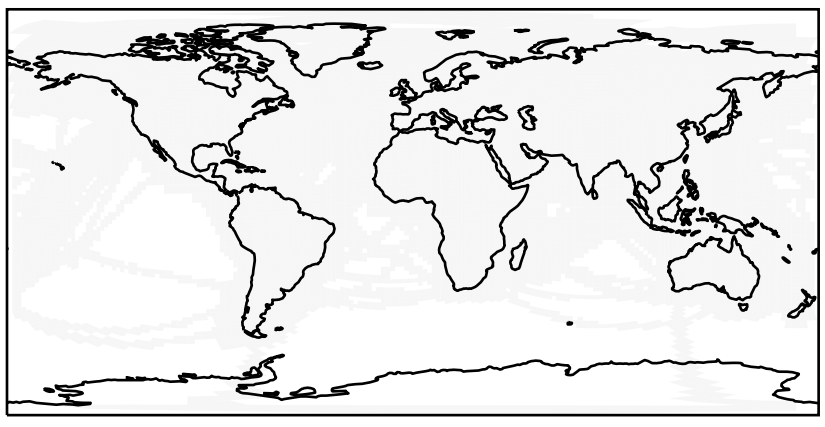


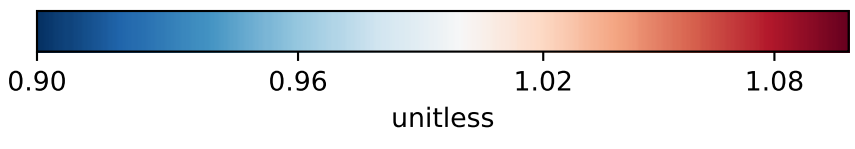
Difference
Dev - Ref, Restricted Range [5%,95%]



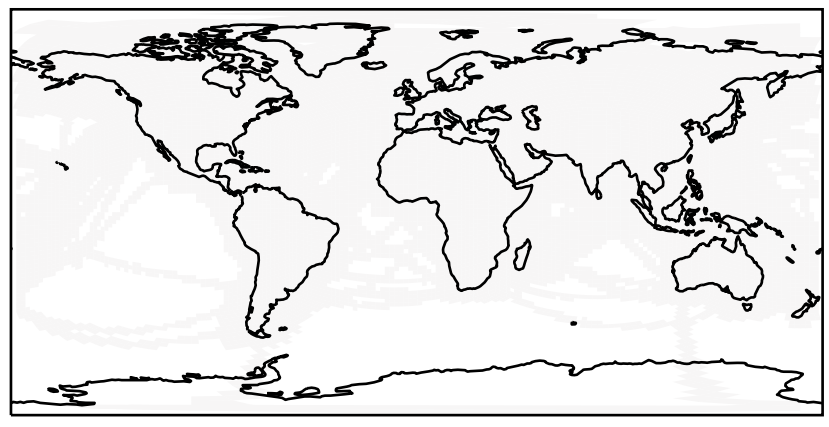


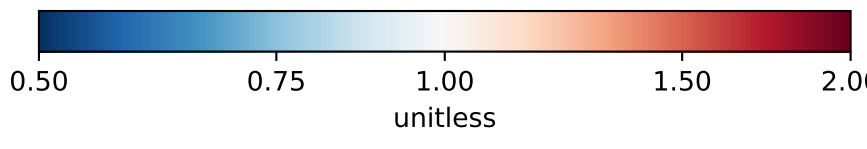
Ratio
Dev/Ref, Dynamic Range





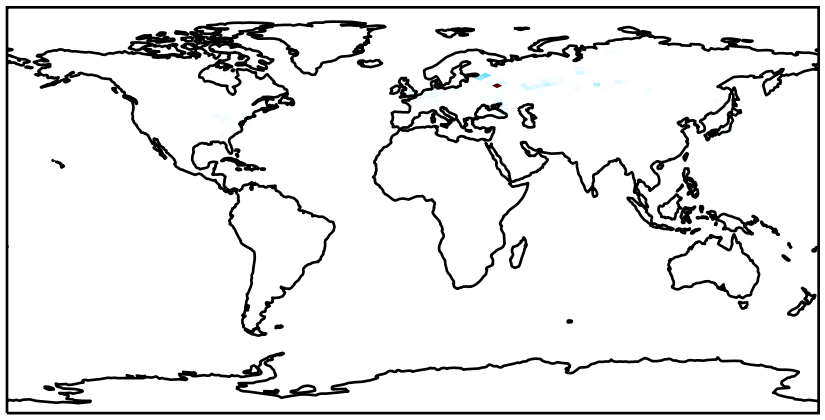
Ratio
Dev/Ref, Fixed Range

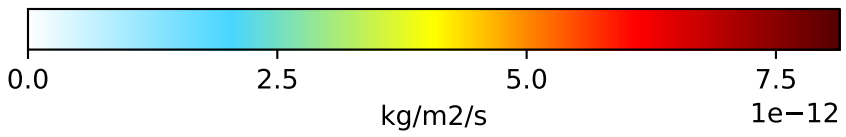




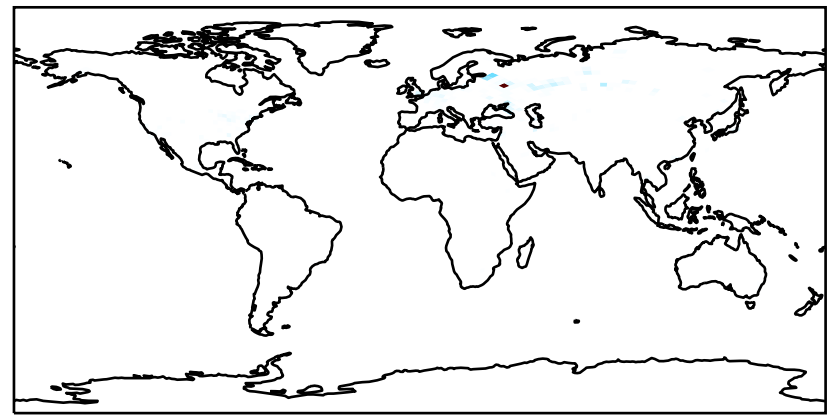
EmisPRPE_Aircraft

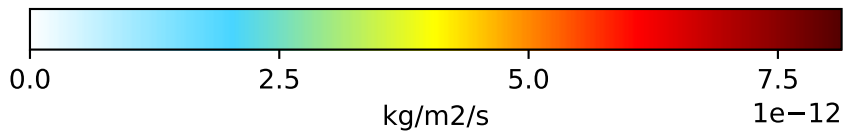
GCHP_13.2.0 (Ref)
c48



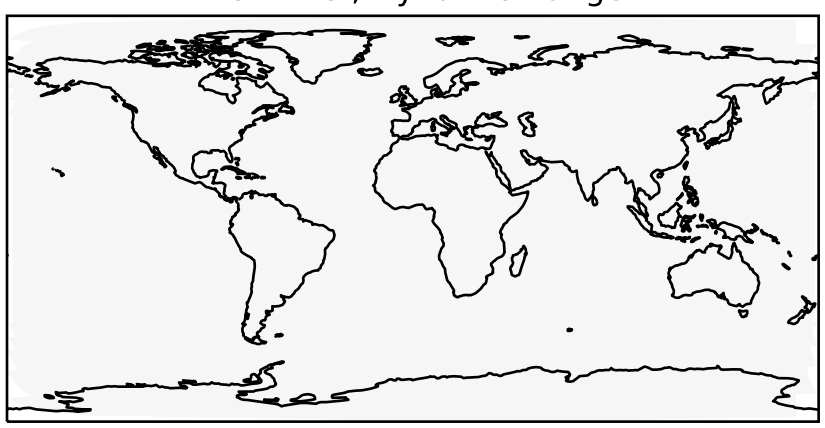


GCHP_13.3.0-rc.1 (Dev)
c48



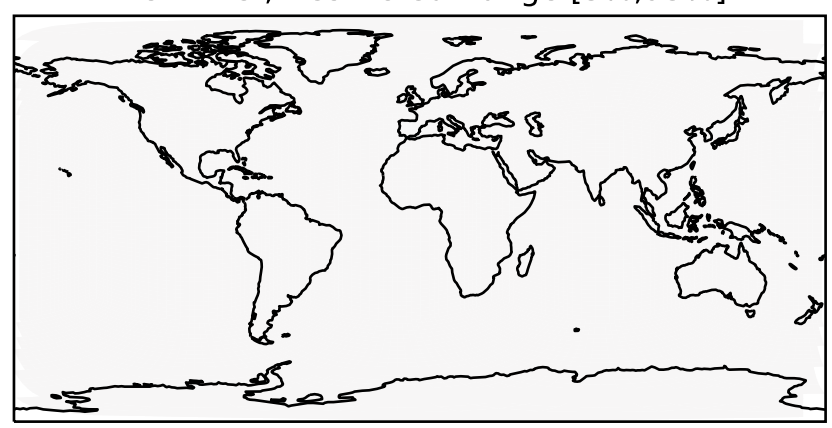


Difference
Dev - Ref, Dynamic Range



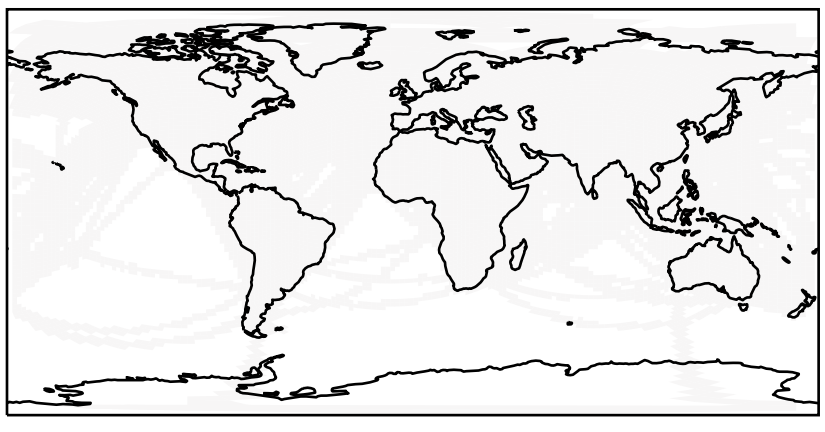


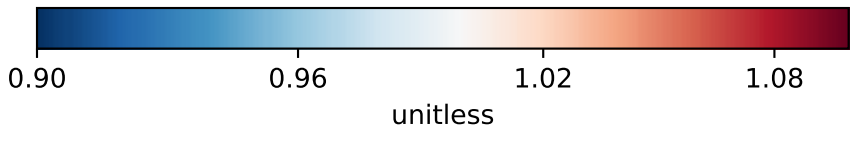
Difference
Dev - Ref, Restricted Range [5%,95%]



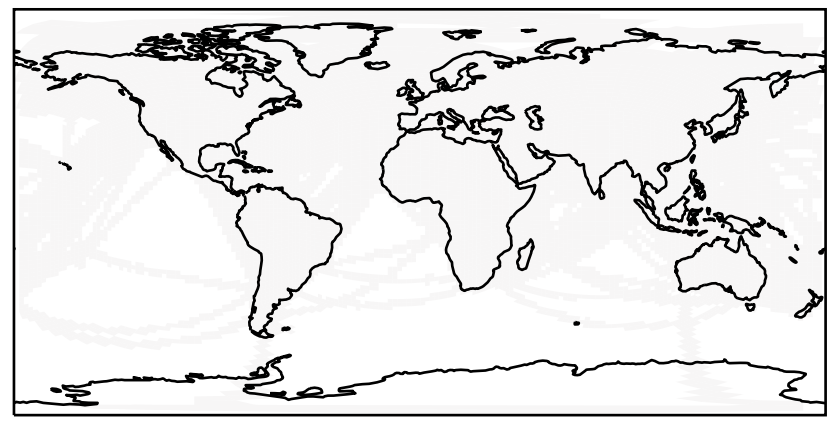


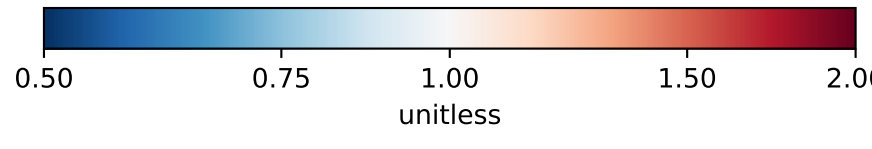
Ratio
Dev/Ref, Dynamic Range





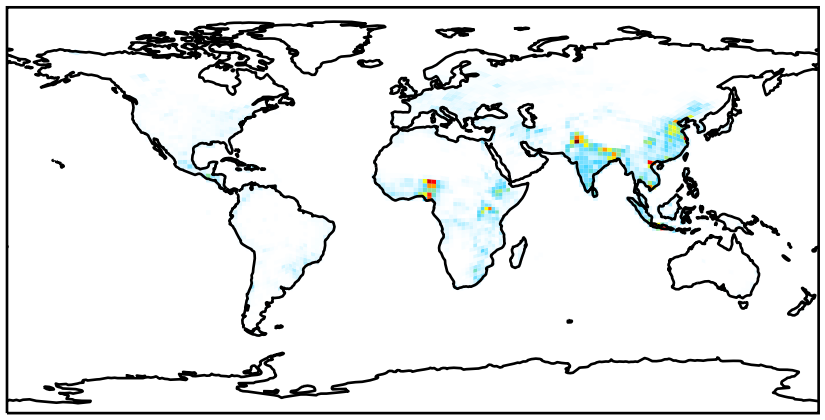
Ratio
Dev/Ref, Fixed Range

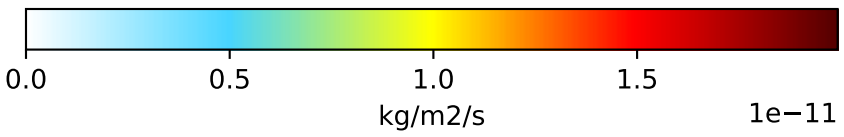




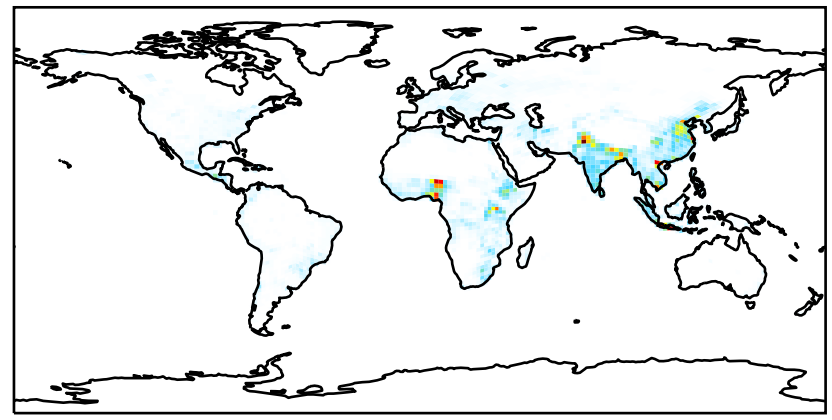
EmisPRPE_Anthro

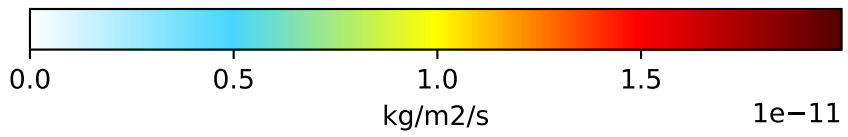
GCHP_13.2.0 (Ref)
c48



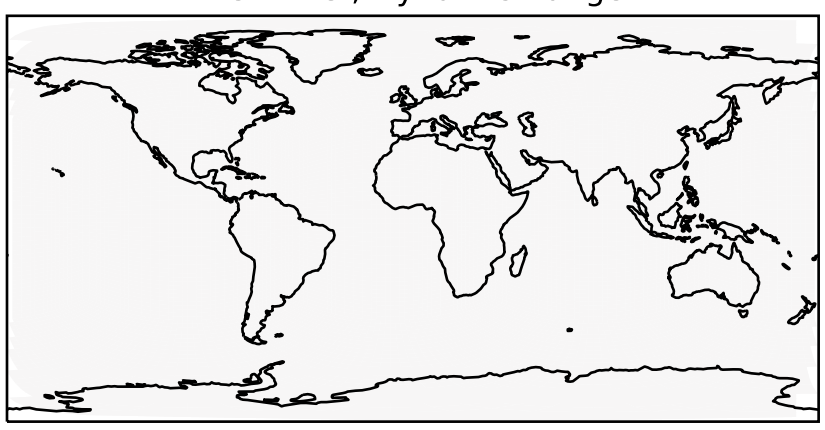


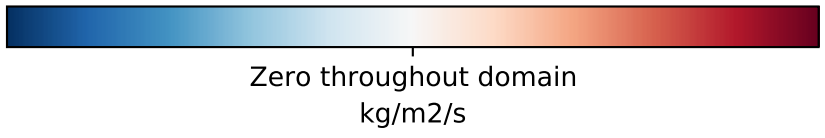
GCHP_13.3.0-rc.1 (Dev)
c48



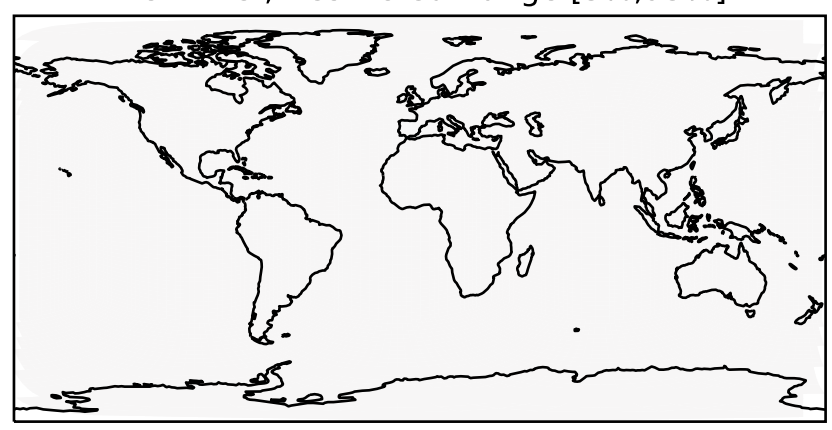


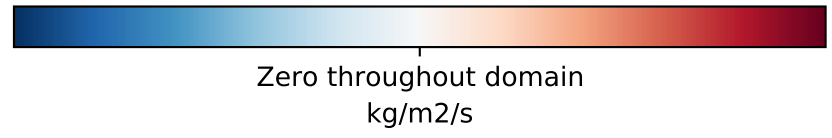
Difference
Dev - Ref, Dynamic Range



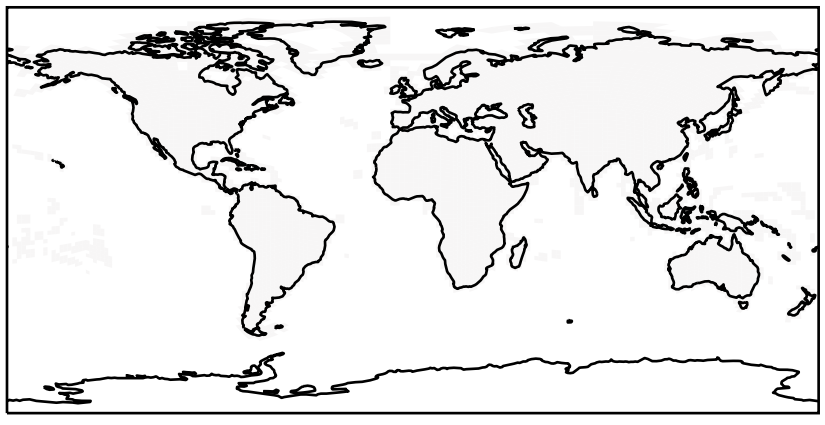


Difference
Dev - Ref, Restricted Range [5%,95%]



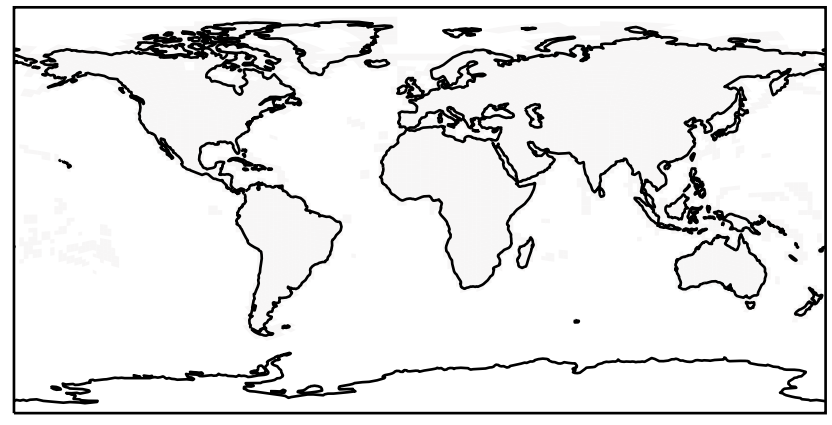


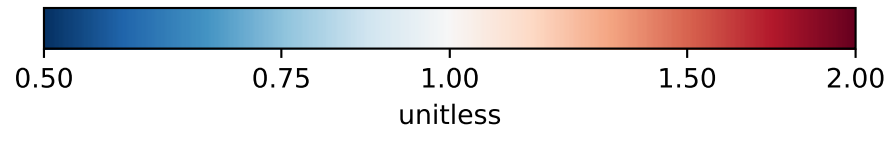
Ratio
Dev/Ref, Dynamic Range





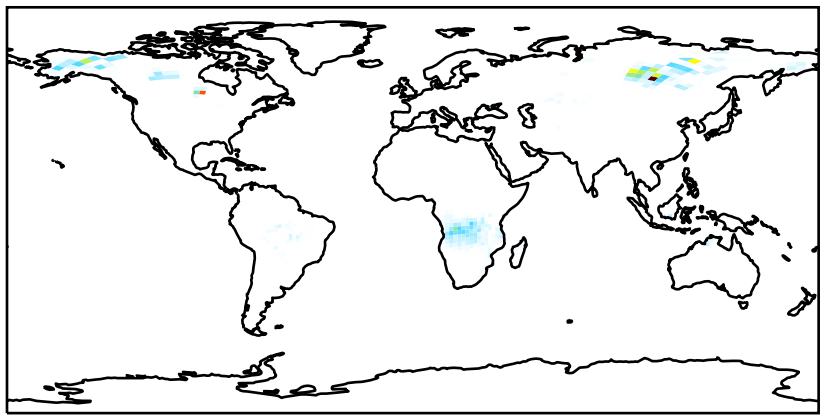
Ratio
Dev/Ref, Fixed Range

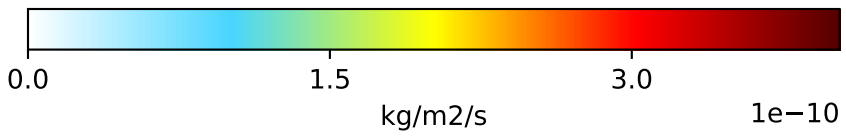




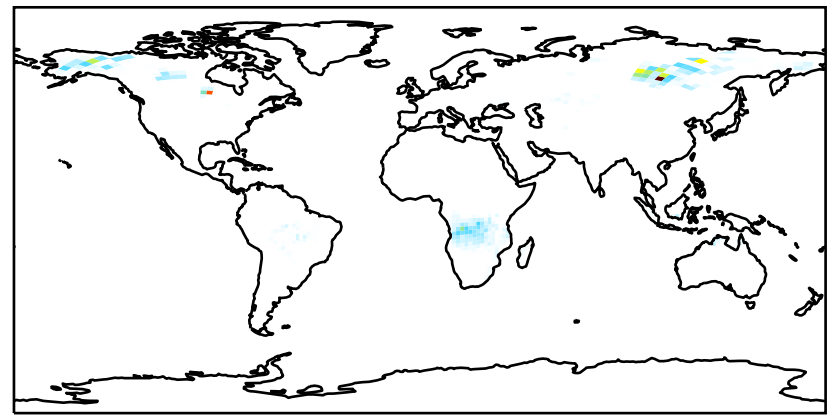
EmisPRPE_BioBurn

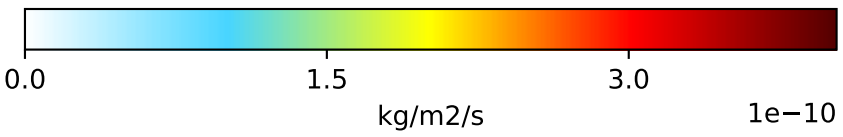
GCHP_13.2.0 (Ref)
c48



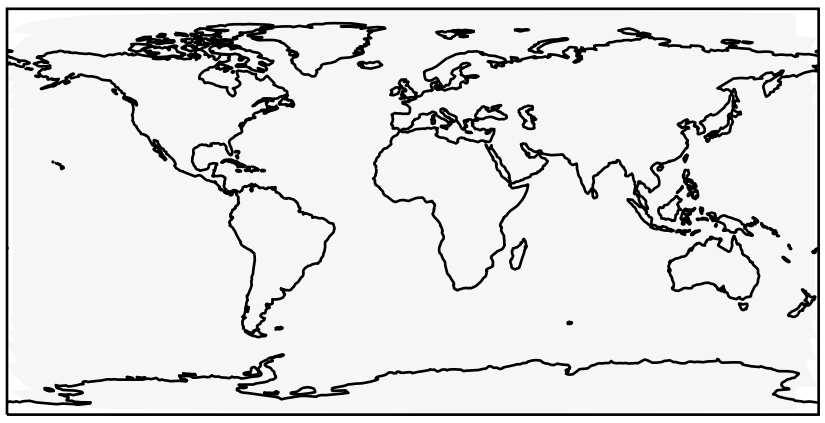


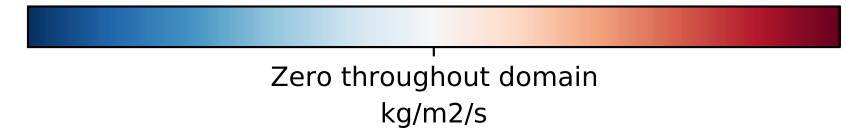
GCHP_13.3.0-rc.1 (Dev)
c48



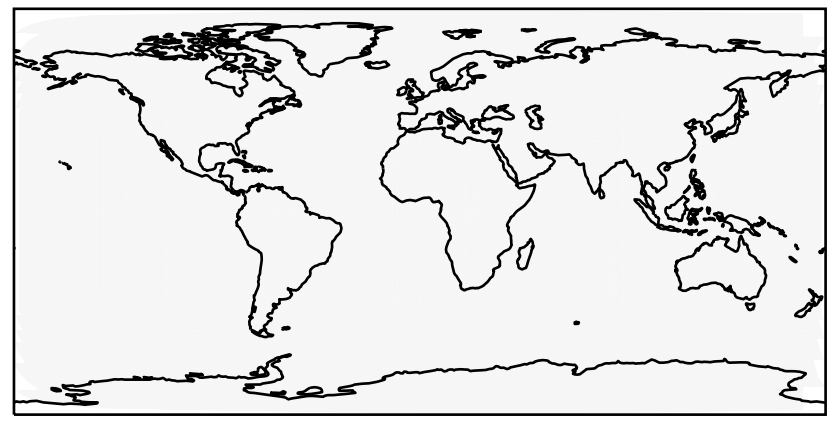


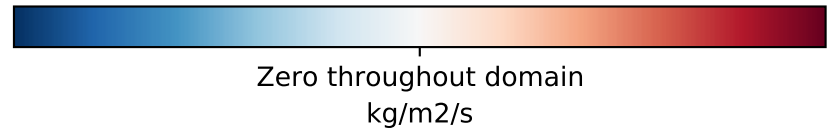
Difference
Dev - Ref, Dynamic Range



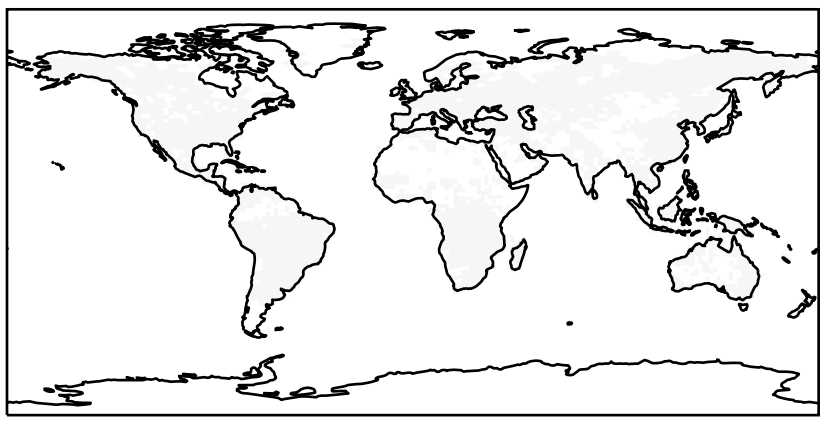


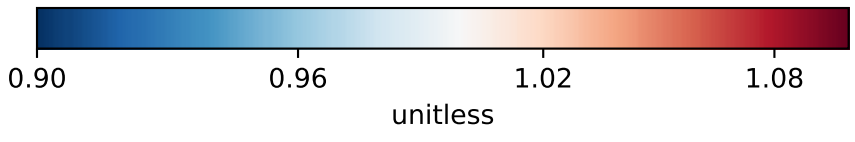
Difference
Dev - Ref, Restricted Range [5%,95%]





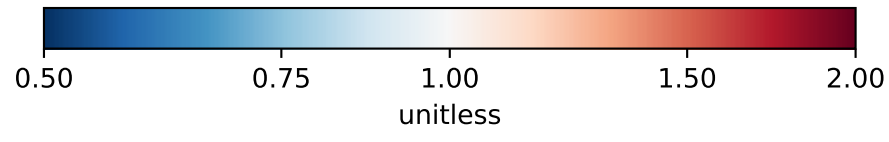
Ratio
Dev/Ref, Dynamic Range





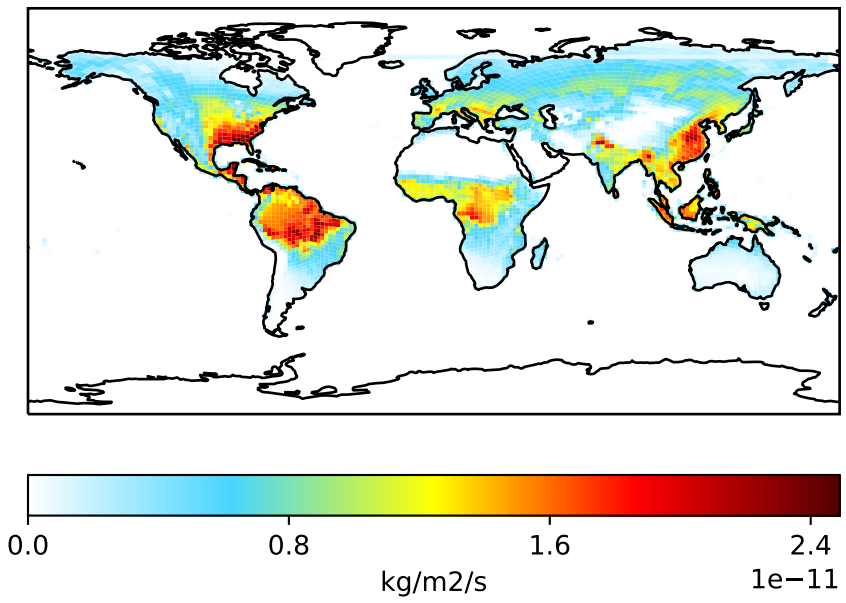
Ratio
Dev/Ref, Fixed Range



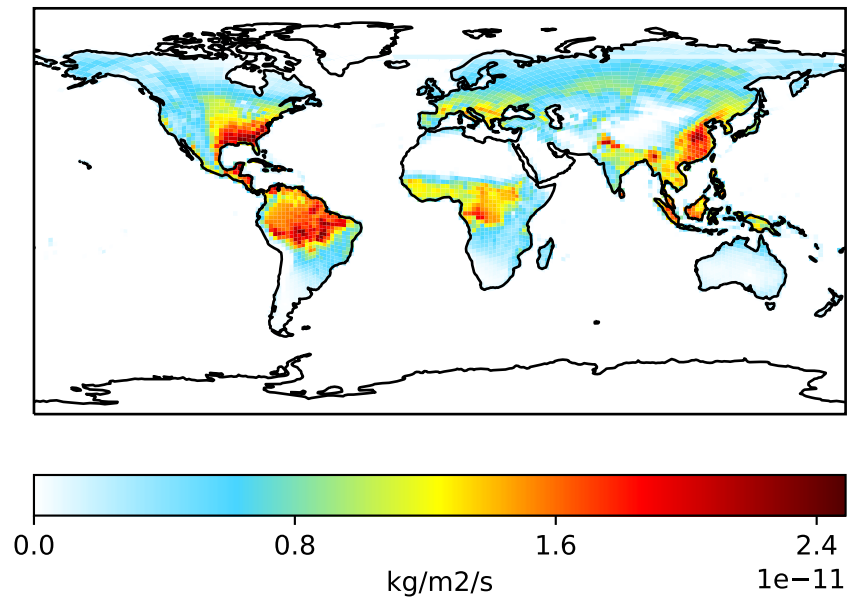


EmisPRPE_Biogenic

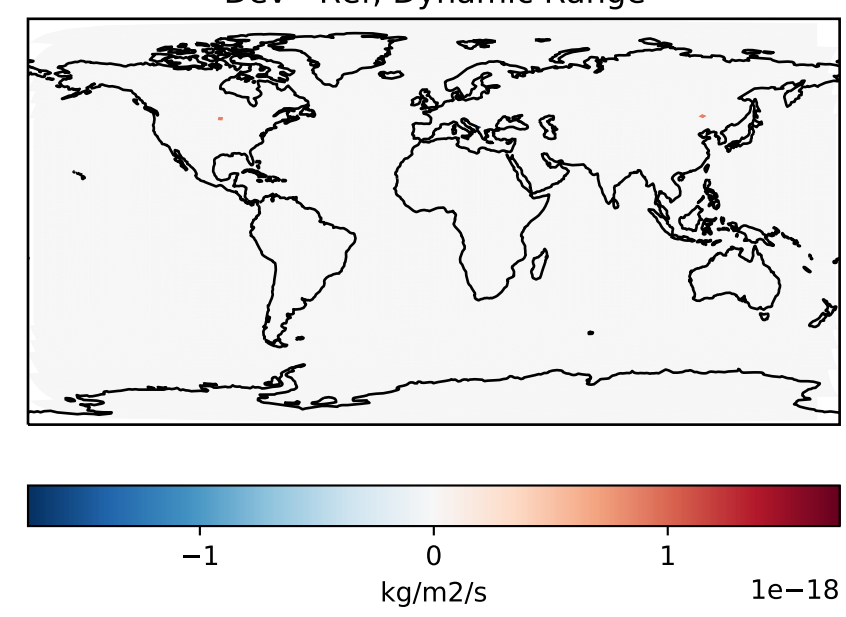
GCHP_13.2.0 (Ref)
c48



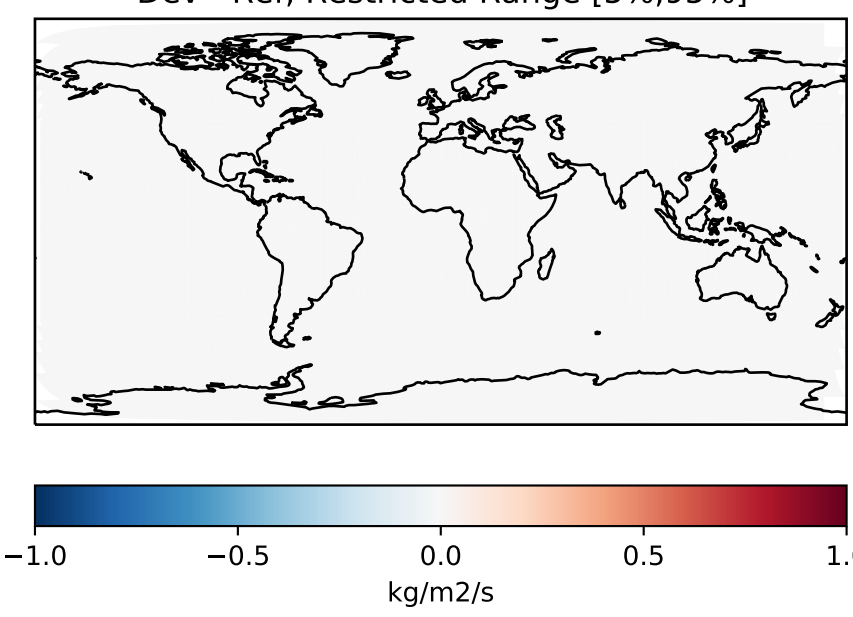
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c48



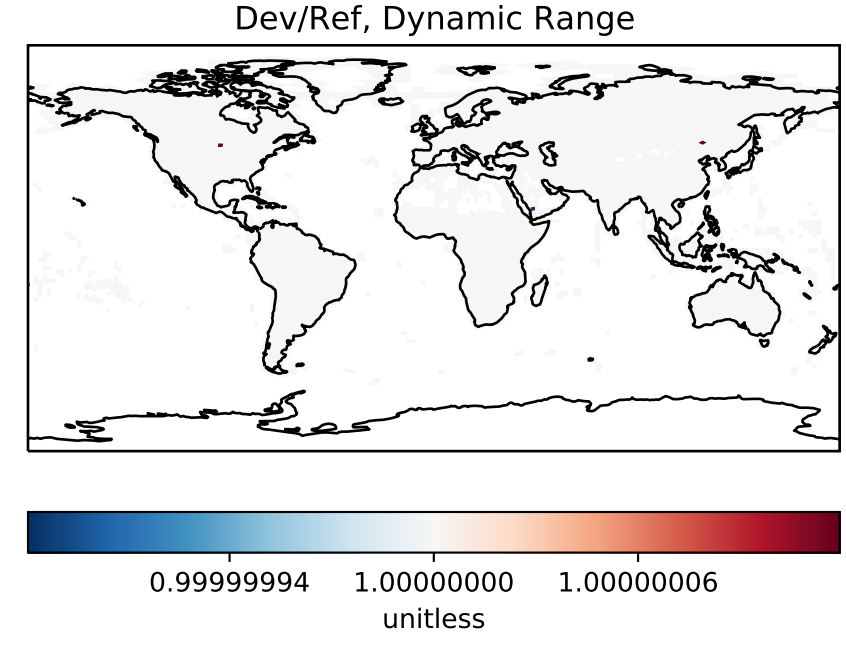
Difference
Dev - Ref, Dynamic Range



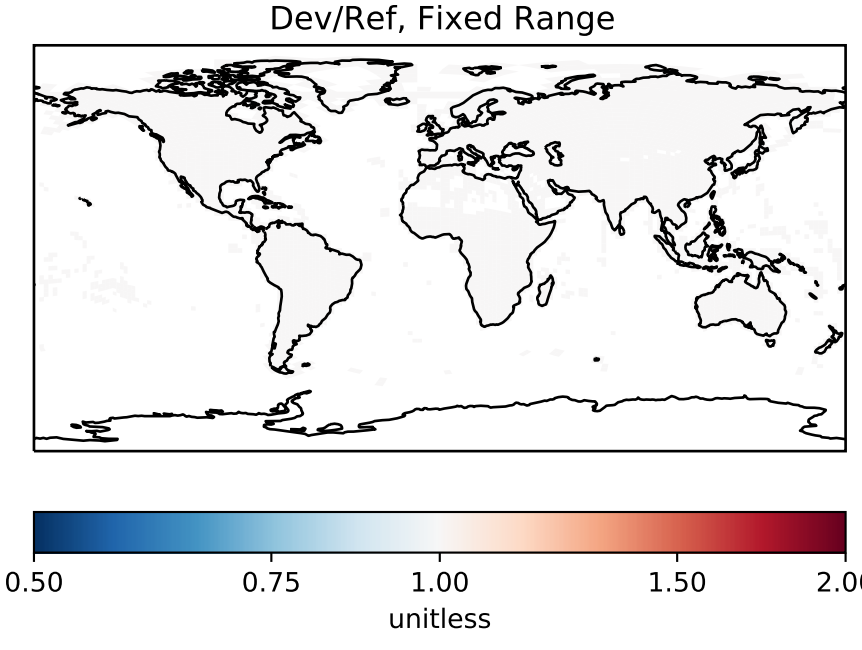
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range



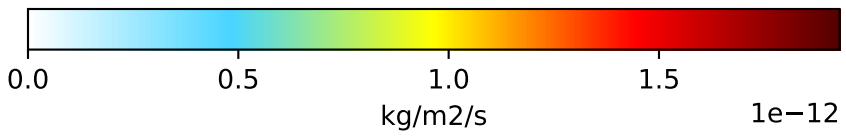
Ratio
Dev/Ref, Fixed Range



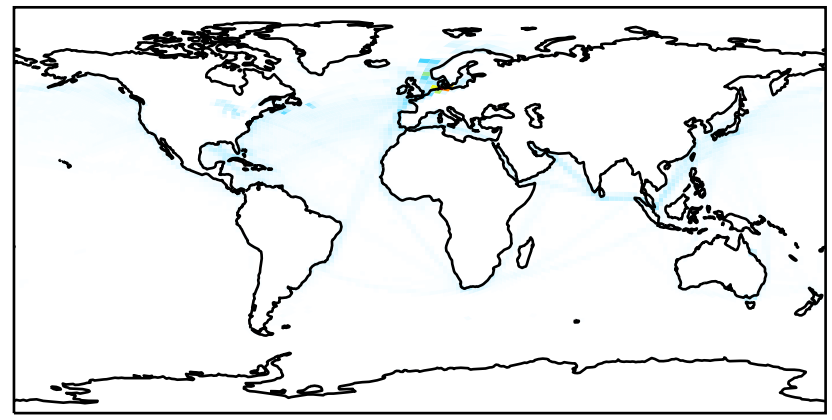
EmisPRPE_Ship

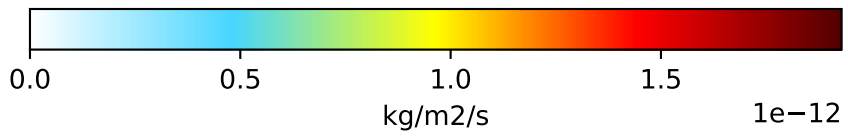
GCHP_13.2.0 (Ref)
c48



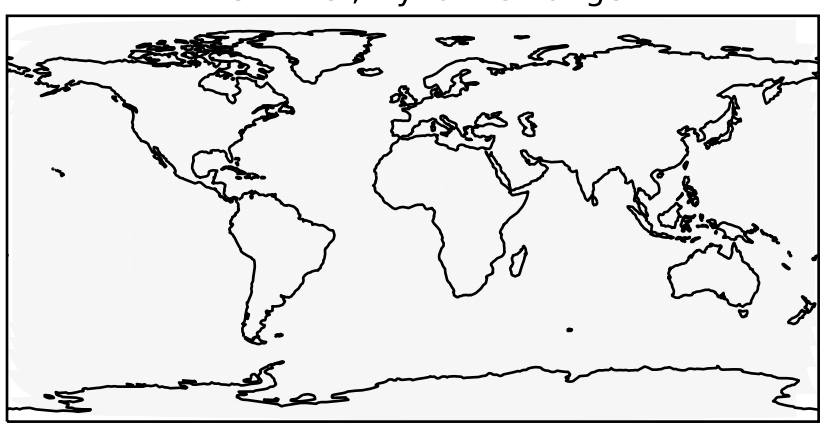


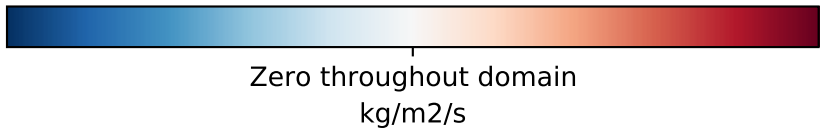
GCHP_13.3.0-rc.1 (Dev)
c48



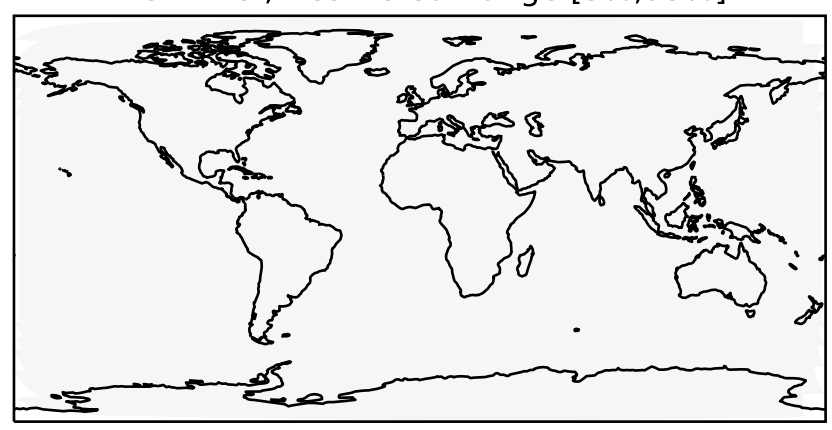


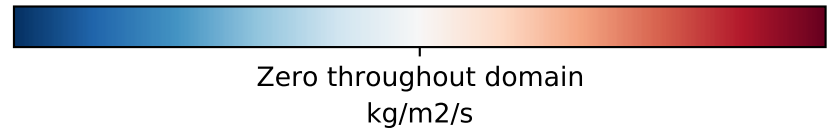
Difference
Dev - Ref, Dynamic Range



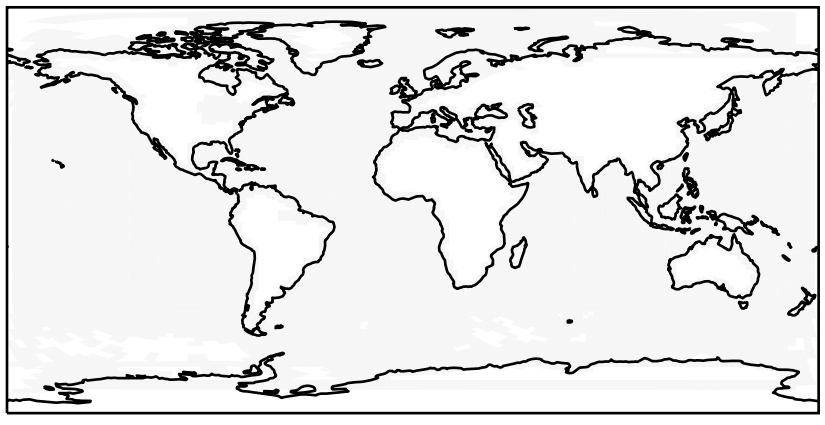


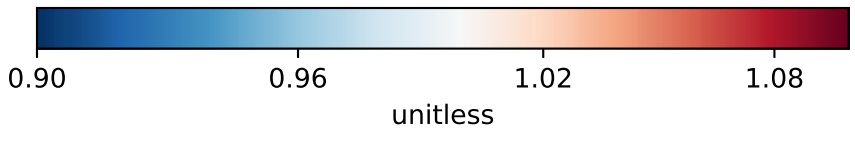
Difference
Dev - Ref, Restricted Range [5%,95%]



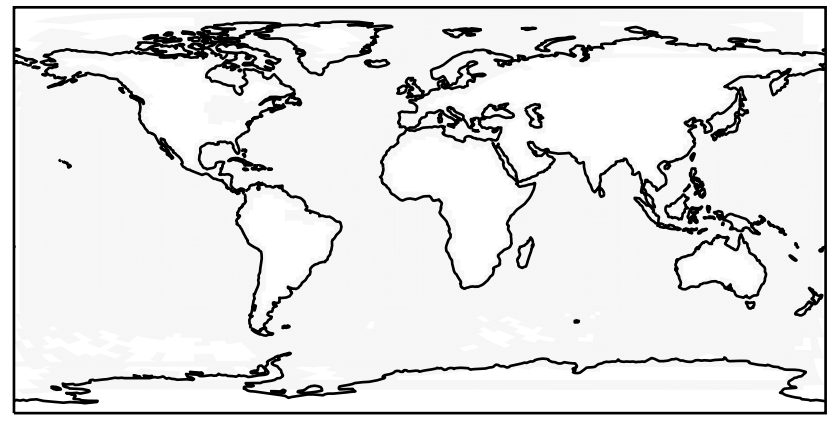


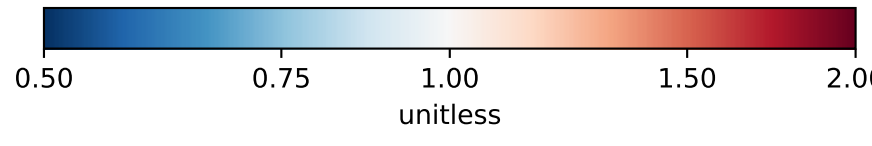
Ratio
Dev/Ref, Dynamic Range





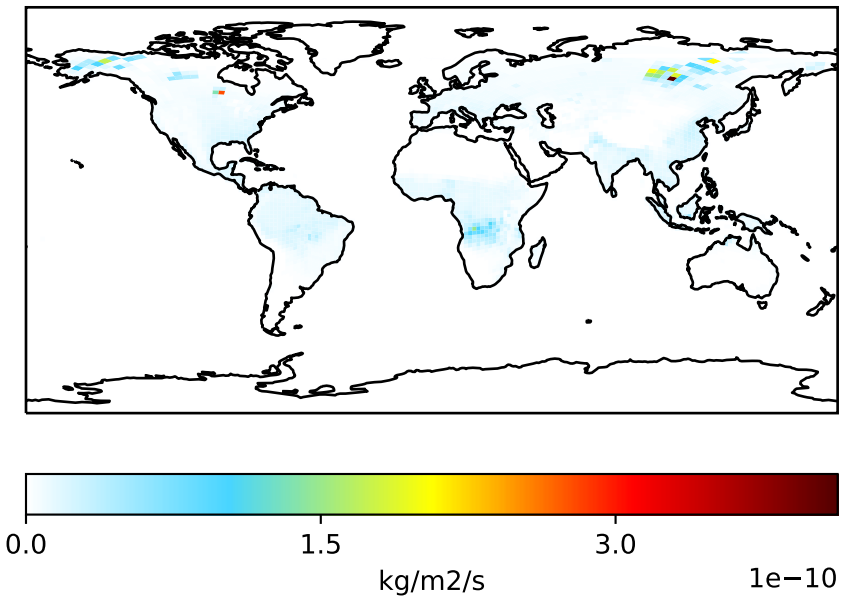
Ratio
Dev/Ref, Fixed Range



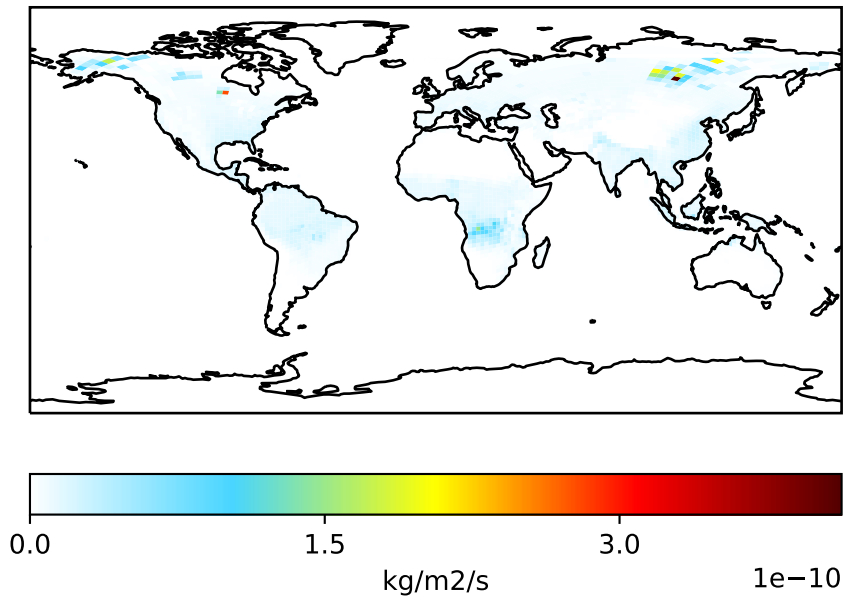


EmisPRPE_Total

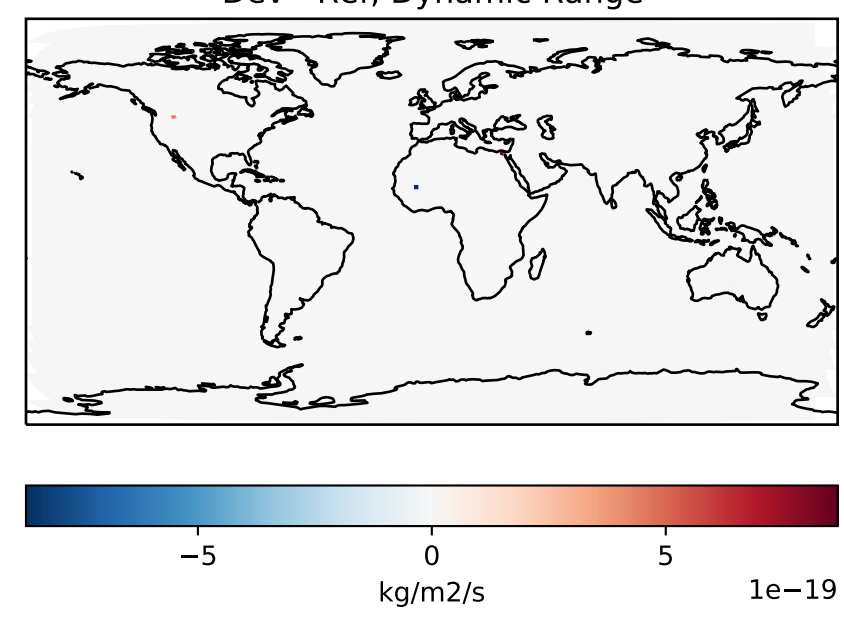
GCHP_13.2.0 (Ref)
c48



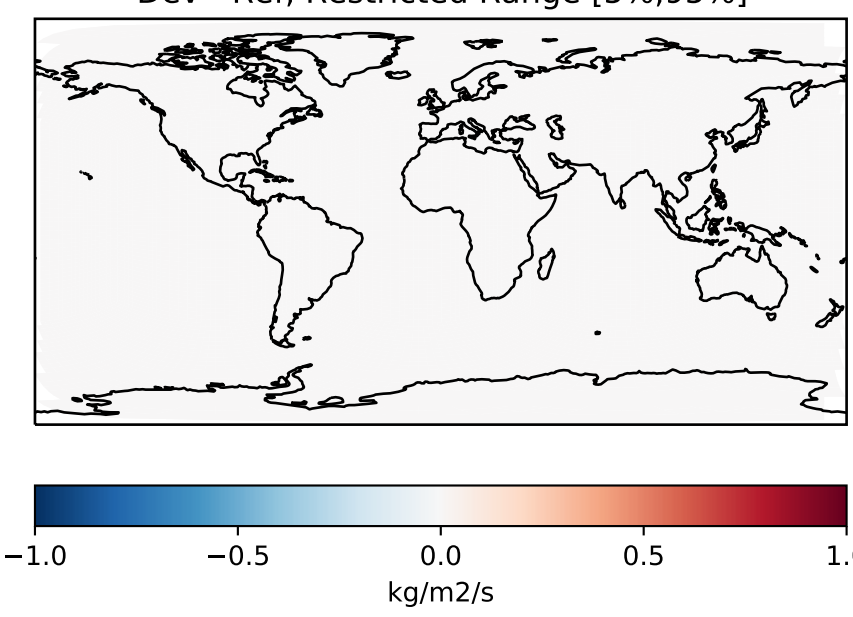
GCHP_13.3.0-rc.1 (Dev)
c48



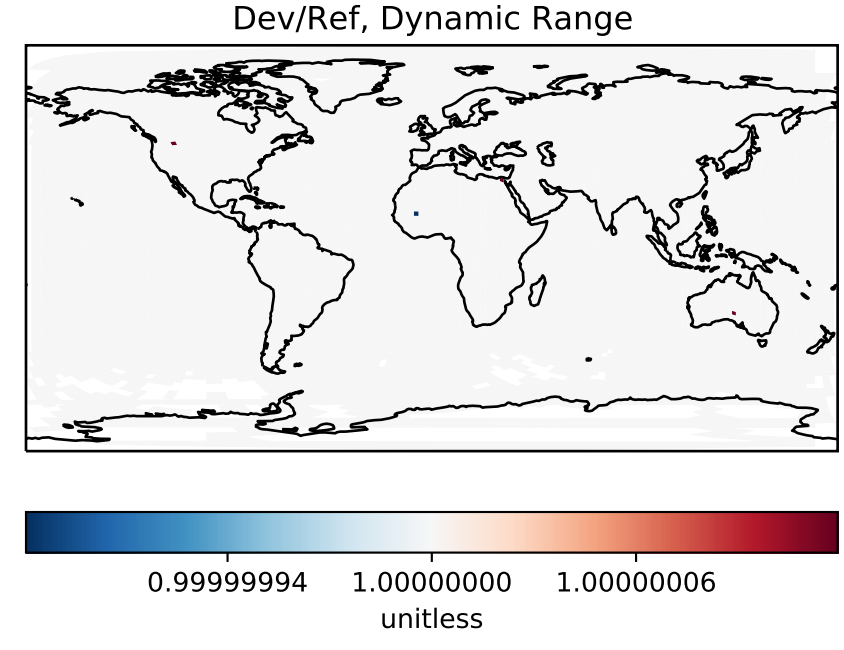
Difference
Dev - Ref, Dynamic Range



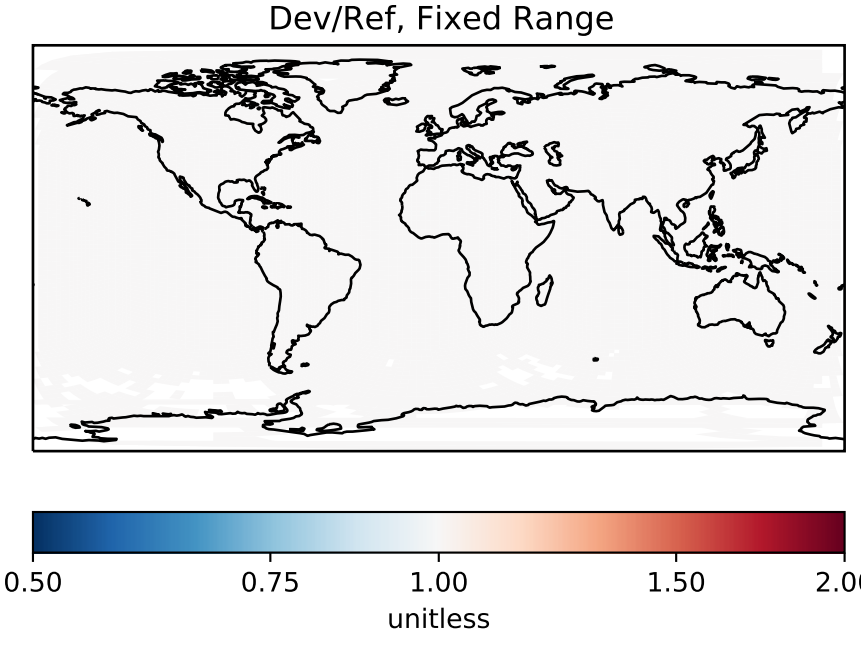
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

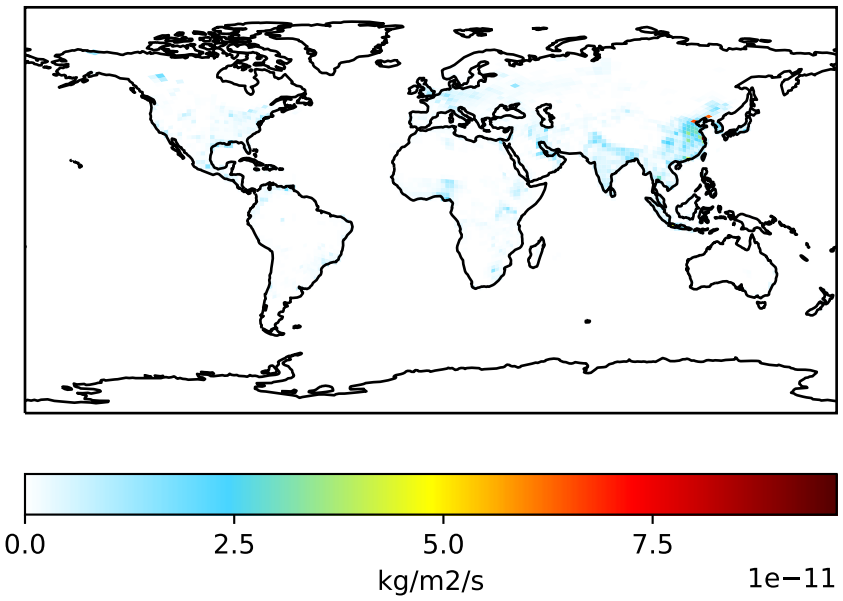


Ratio
Dev/Ref, Fixed Range

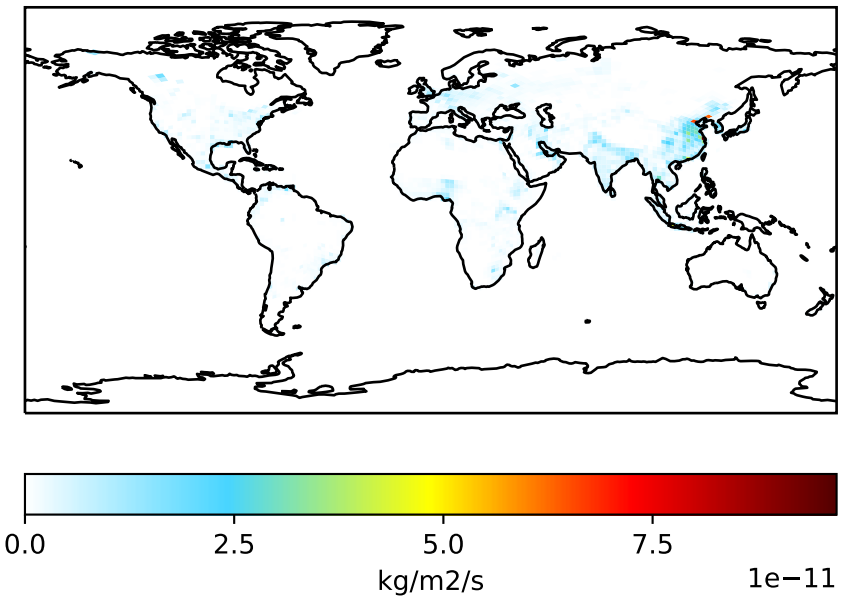


EmisTOLU_Anthro

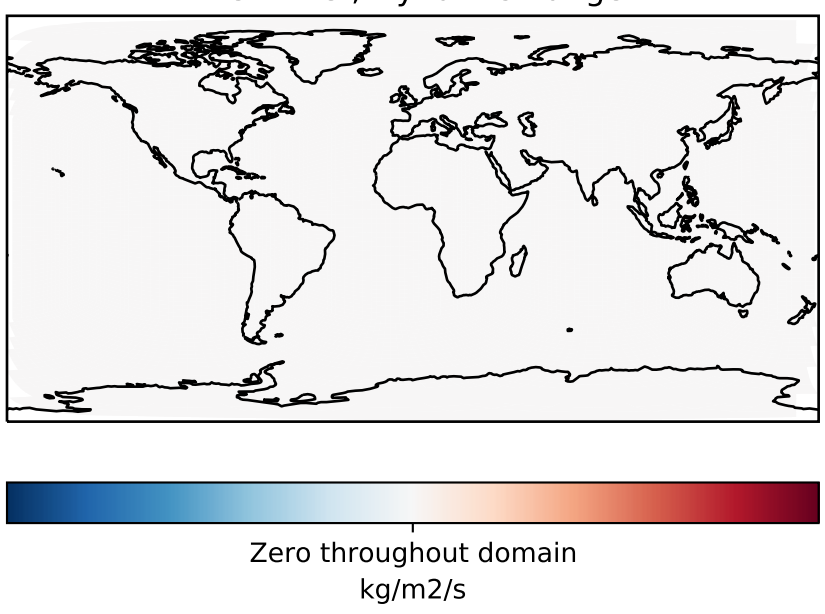
GCHP_13.2.0 (Ref)
c48



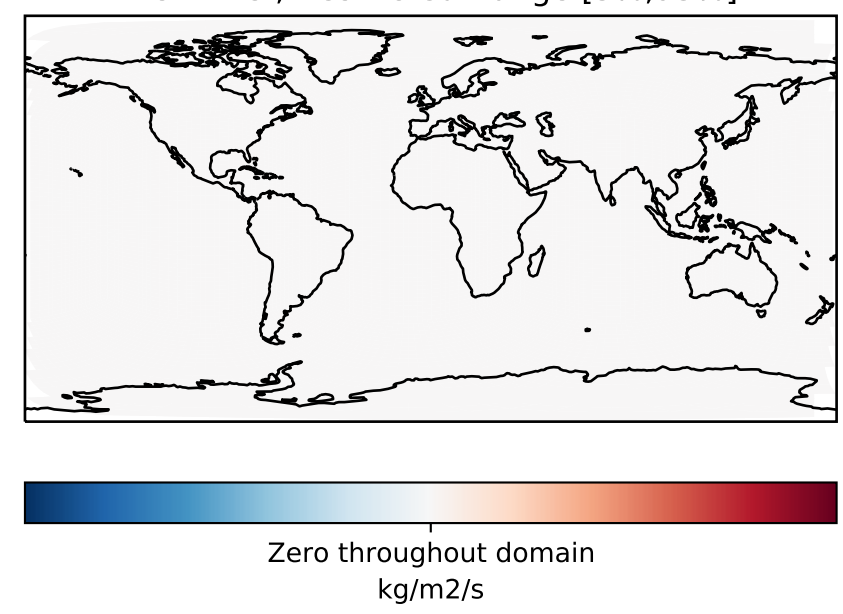
GCHP_13.3.0-rc.1 (Dev)
c48



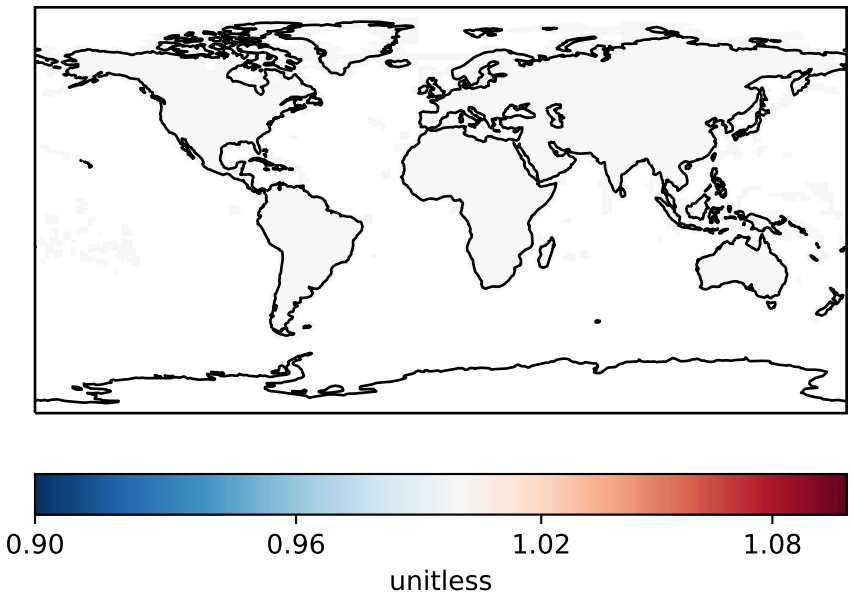
Difference
Dev - Ref, Dynamic Range



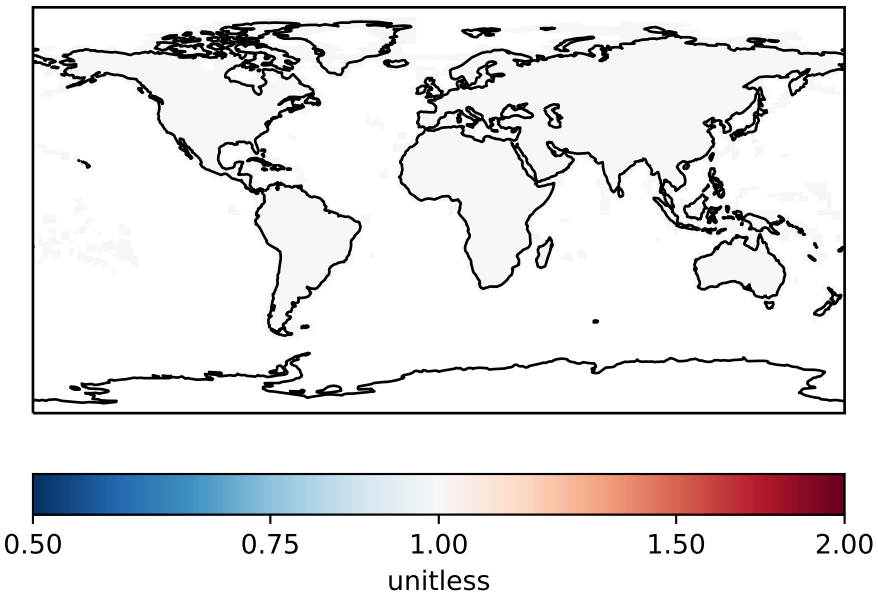
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

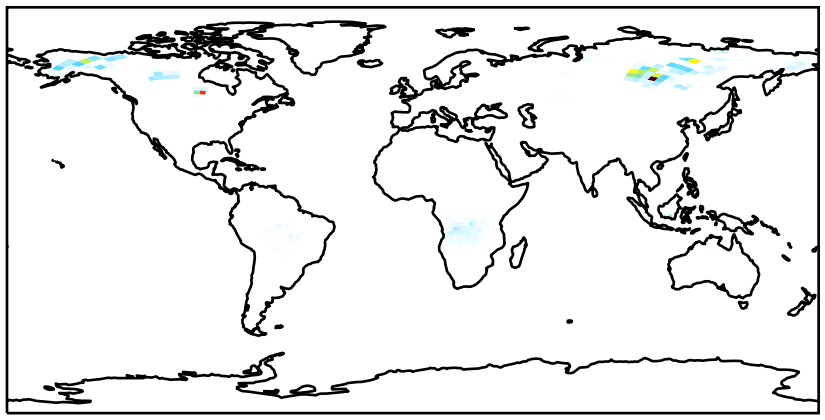


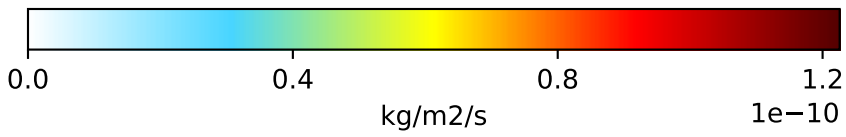
Ratio
Dev/Ref, Fixed Range



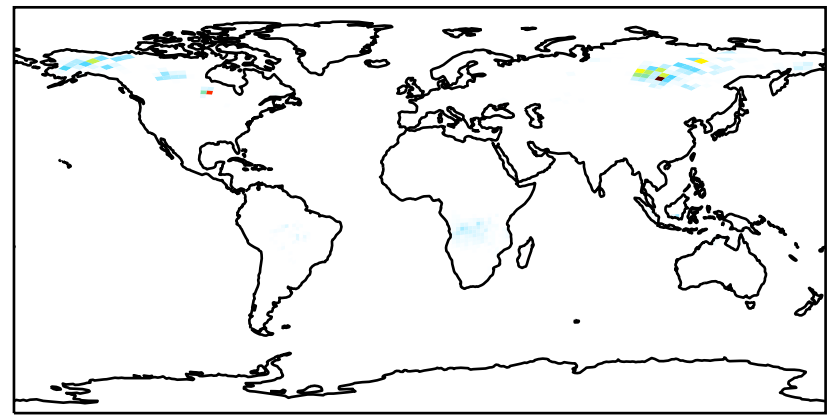
EmisTOLU_BioBurn

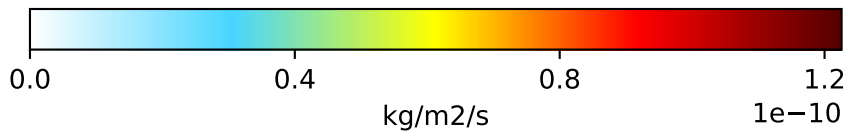
GCHP_13.2.0 (Ref)
c48



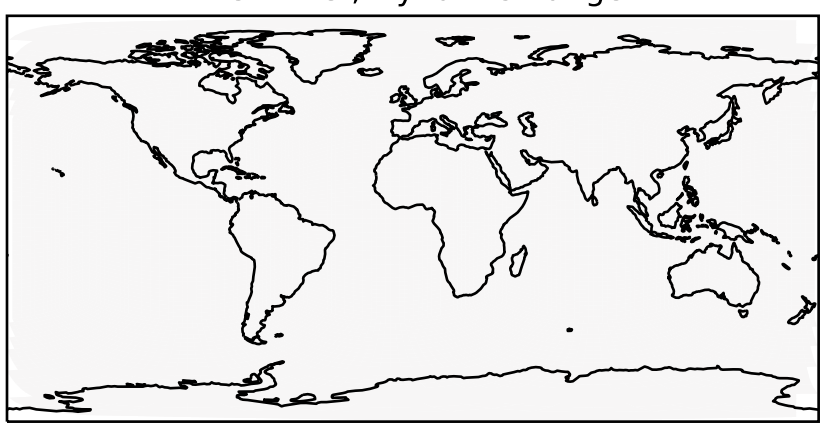


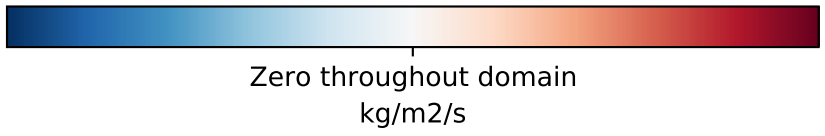
GCHP_13.3.0-rc.1 (Dev)
c48



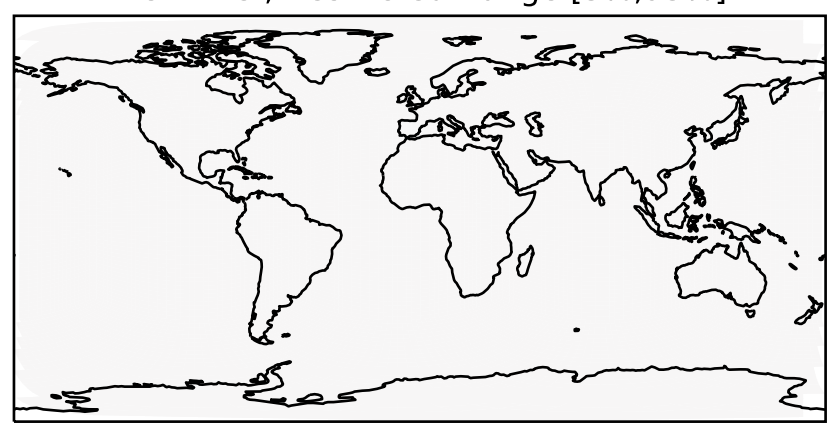


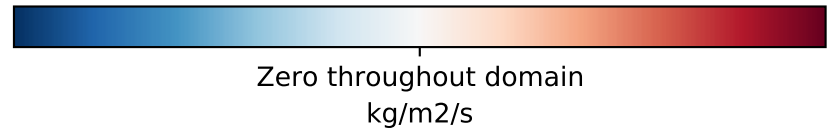
Difference
Dev - Ref, Dynamic Range



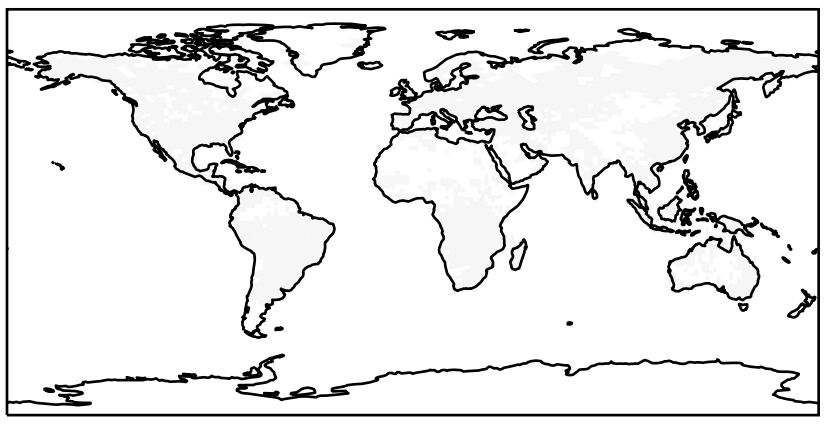


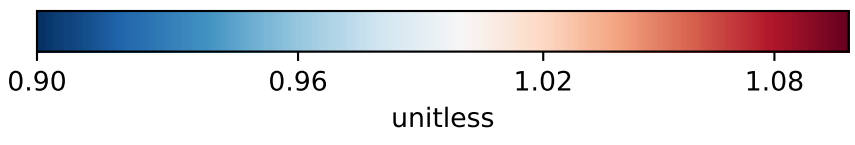
Difference
Dev - Ref, Restricted Range [5%,95%]





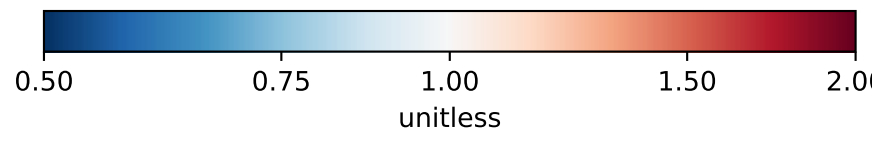
Ratio
Dev/Ref, Dynamic Range





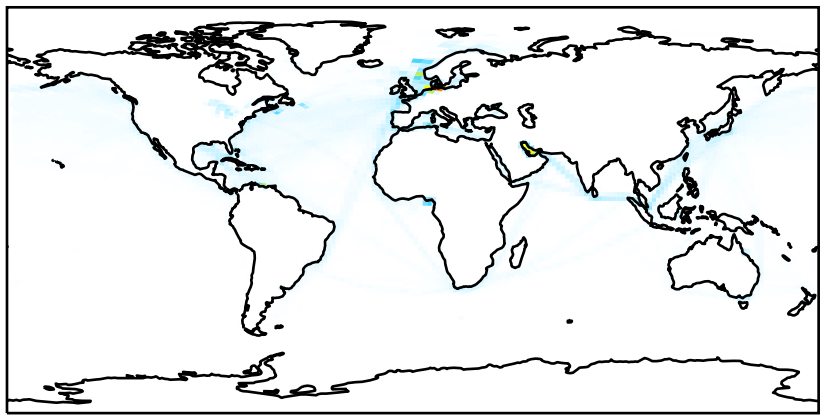
Ratio
Dev/Ref, Fixed Range

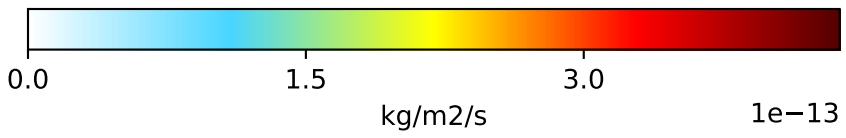




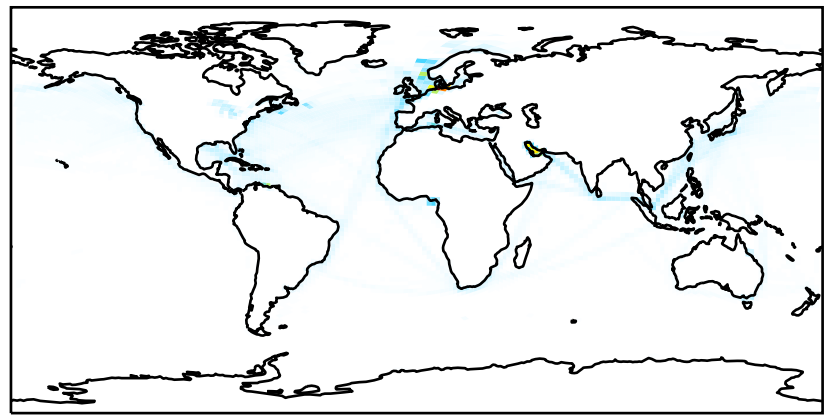
EmisTOLU_Ship

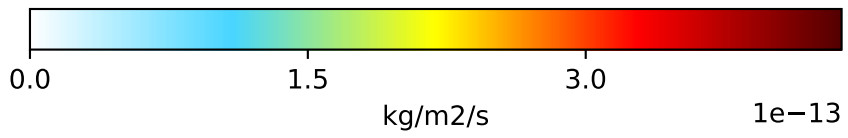
GCHP_13.2.0 (Ref)
c48



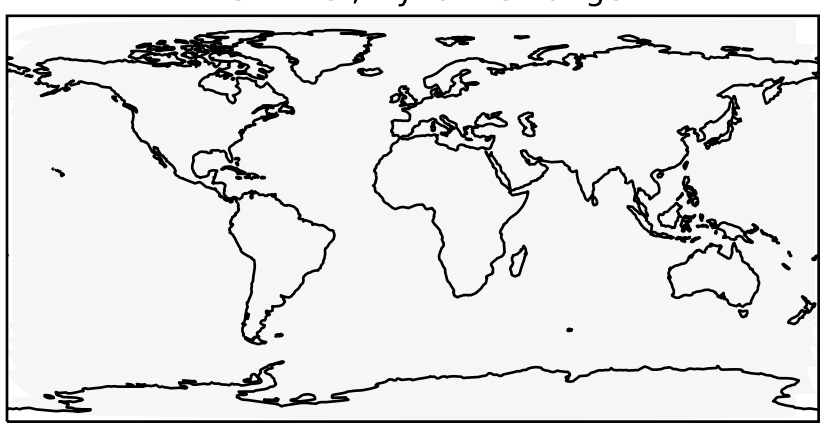


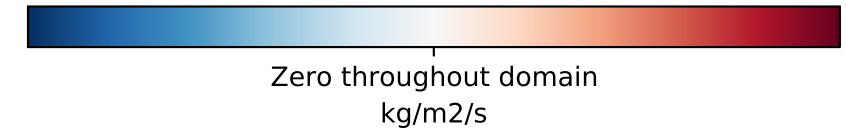
GCHP_13.3.0-rc.1 (Dev)
c48



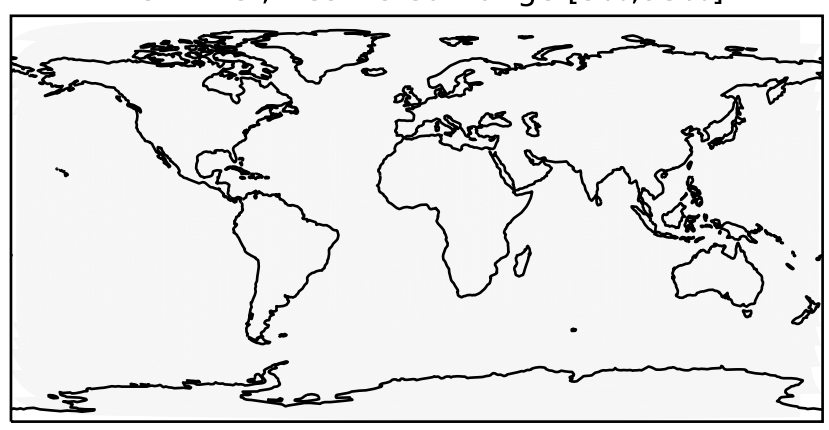


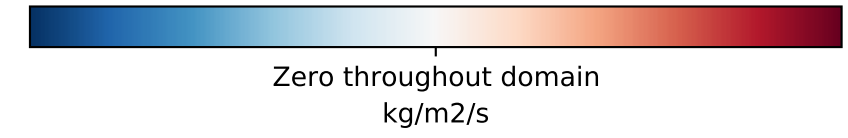
Difference
Dev - Ref, Dynamic Range



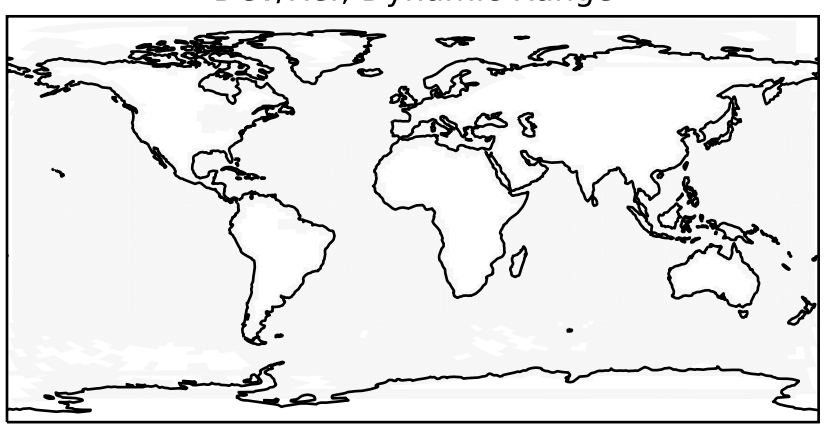


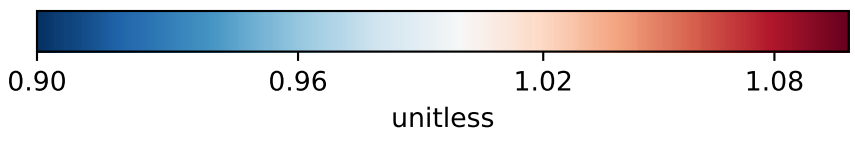
Difference
Dev - Ref, Restricted Range [5%,95%]



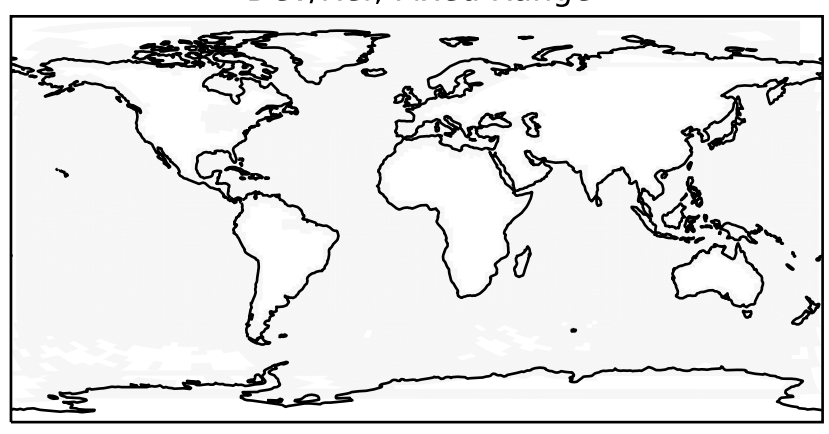


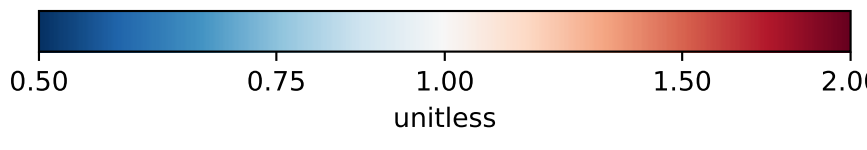
Ratio
Dev/Ref, Dynamic Range





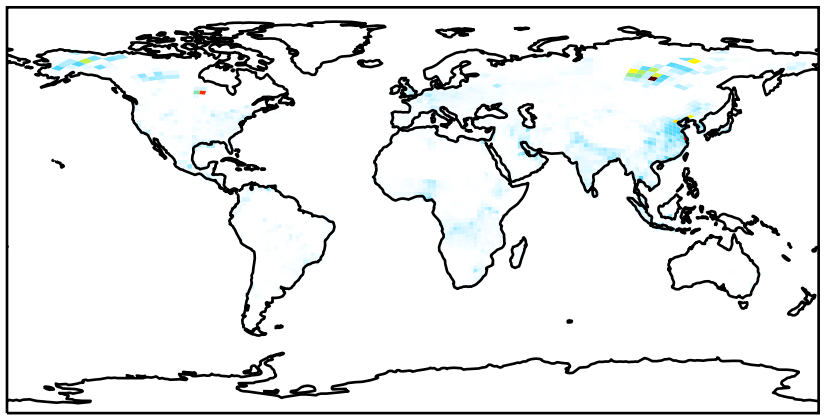
Ratio
Dev/Ref, Fixed Range

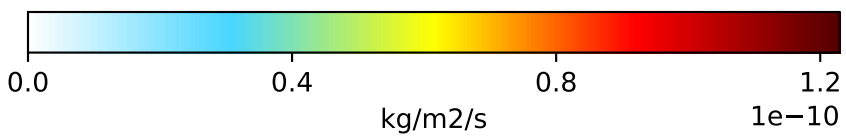




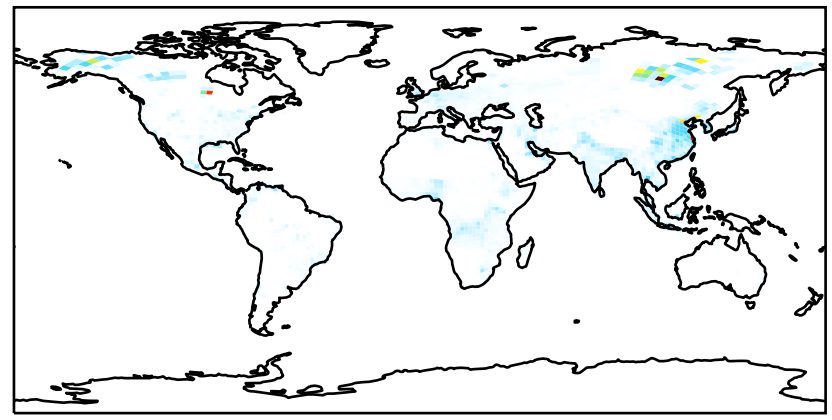
EmisTOLU_Total

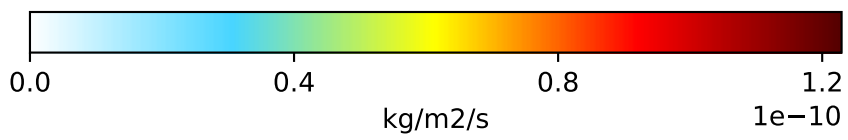
GCHP_13.2.0 (Ref)
c48



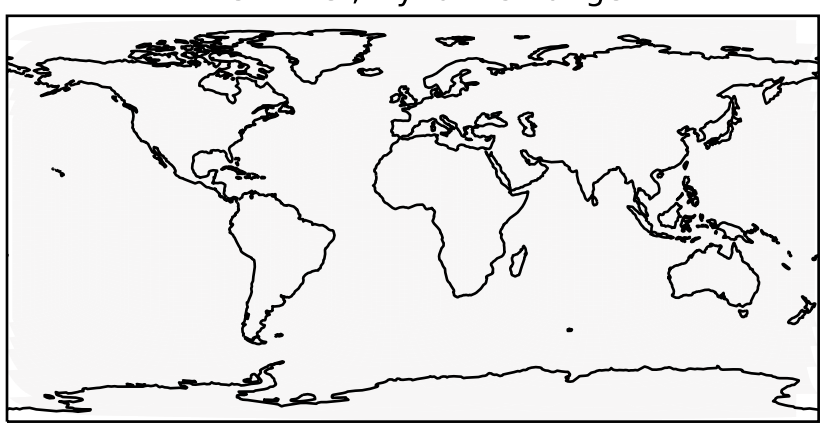


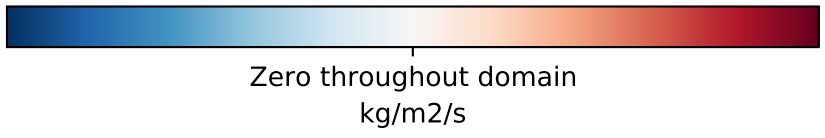
GCHP_13.3.0-rc.1 (Dev)
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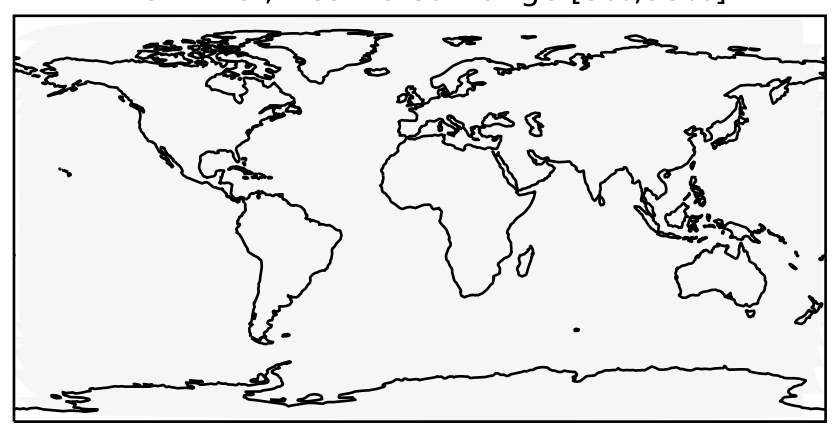


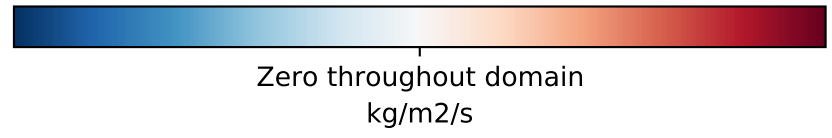
Difference
Dev - Ref, Dynamic Range



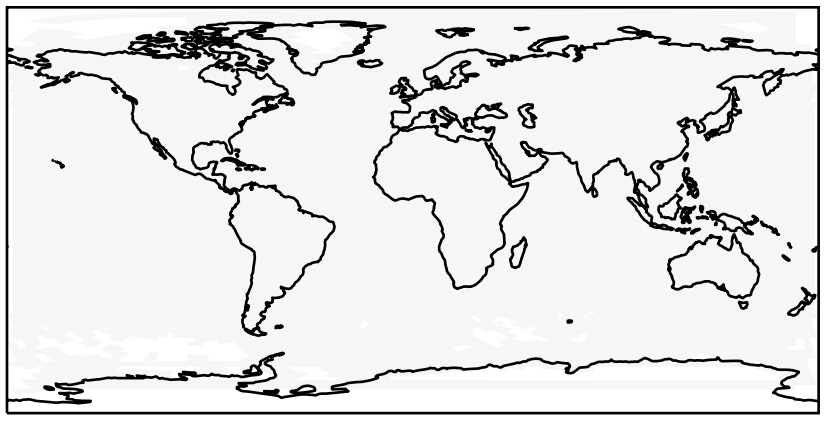


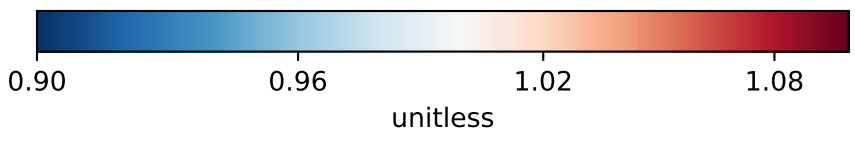
Difference
Dev - Ref, Restricted Range [5%,95%]



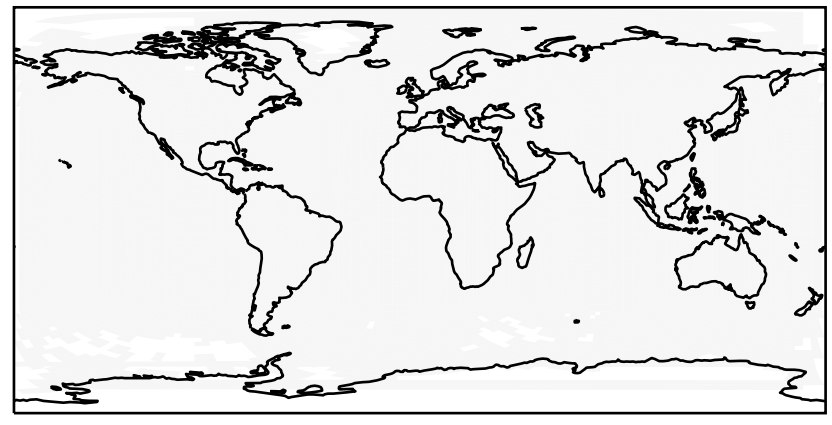


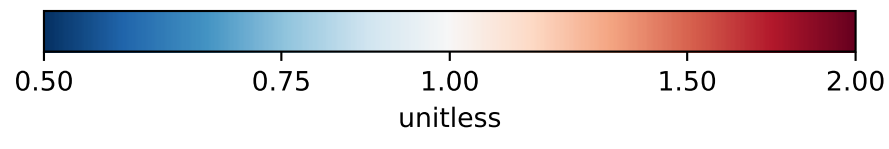
Ratio
Dev/Ref, Dynamic Range





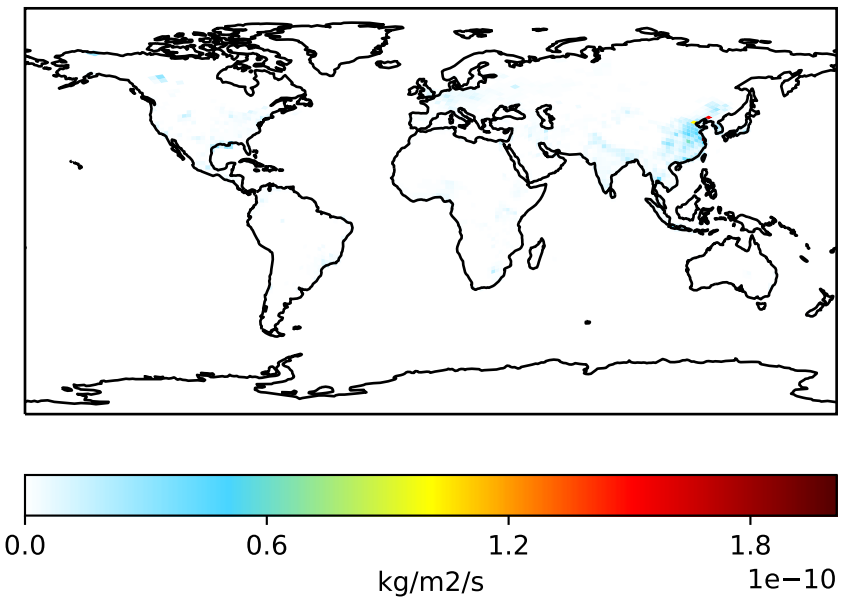
Ratio
Dev/Ref, Fixed Range



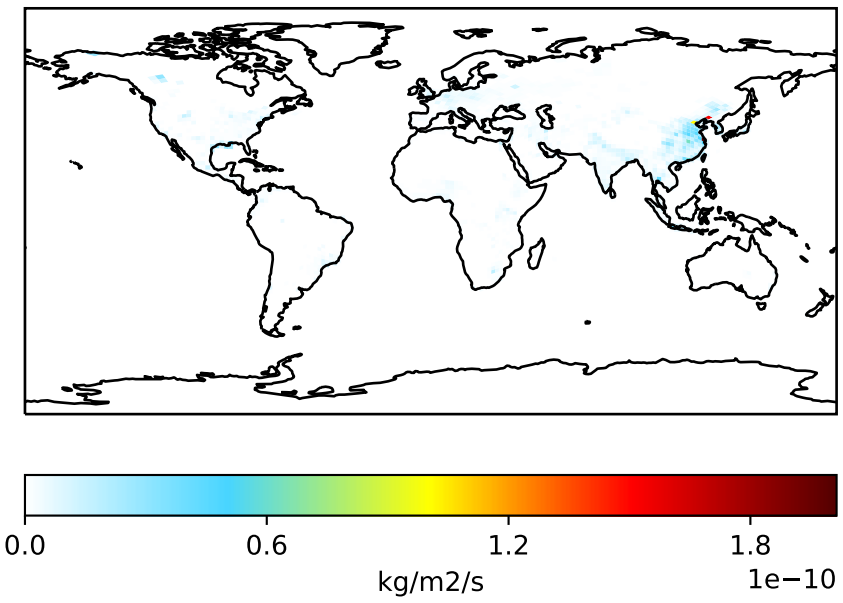


EmisXYLE_Anthro

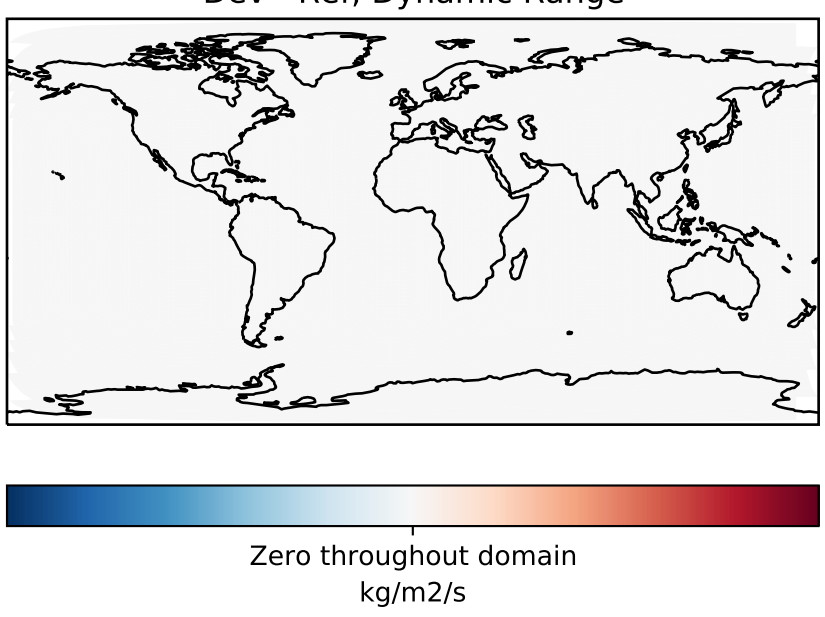
GCHP_13.2.0 (Ref)
c48



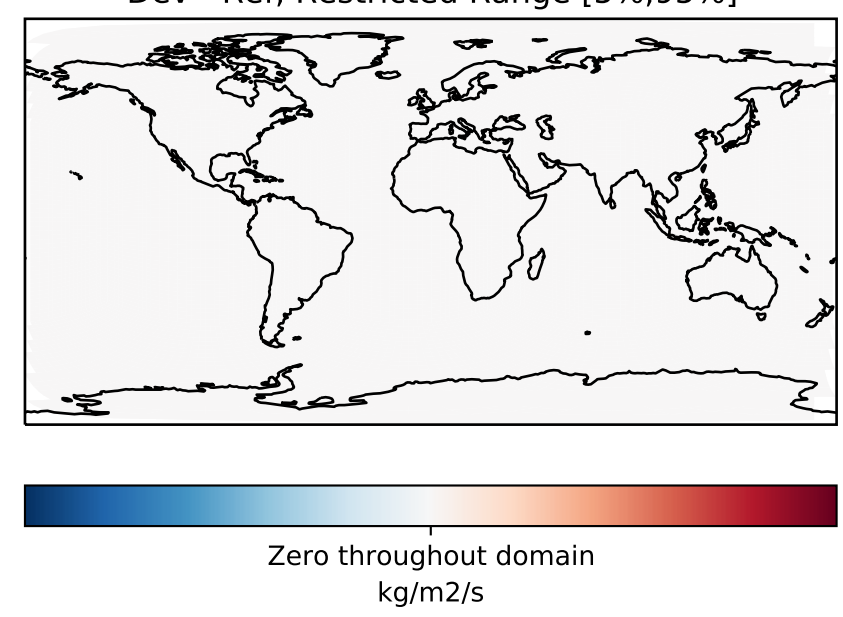
GCHP_13.3.0-rc.1 (Dev)
c48



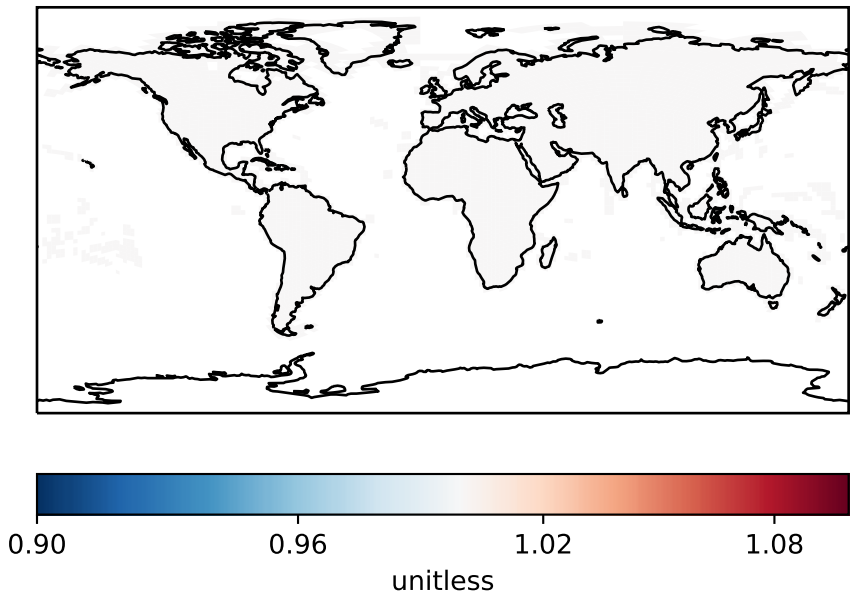
Difference
Dev - Ref, Dynamic Range



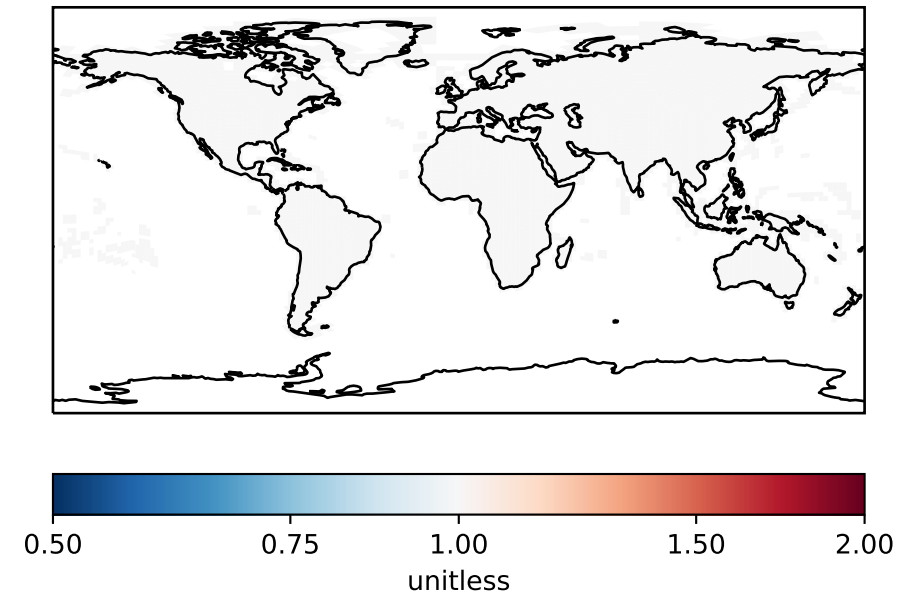
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

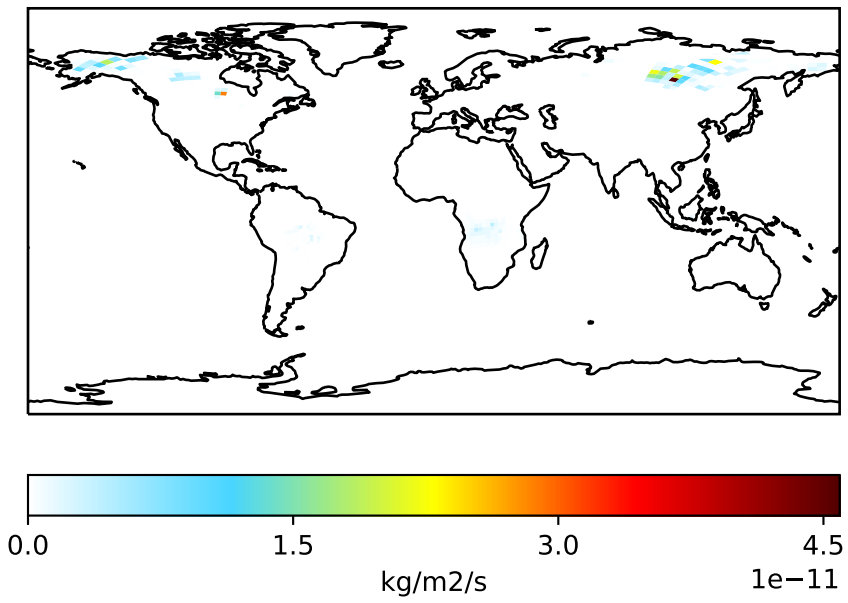


Ratio
Dev/Ref, Fixed Range

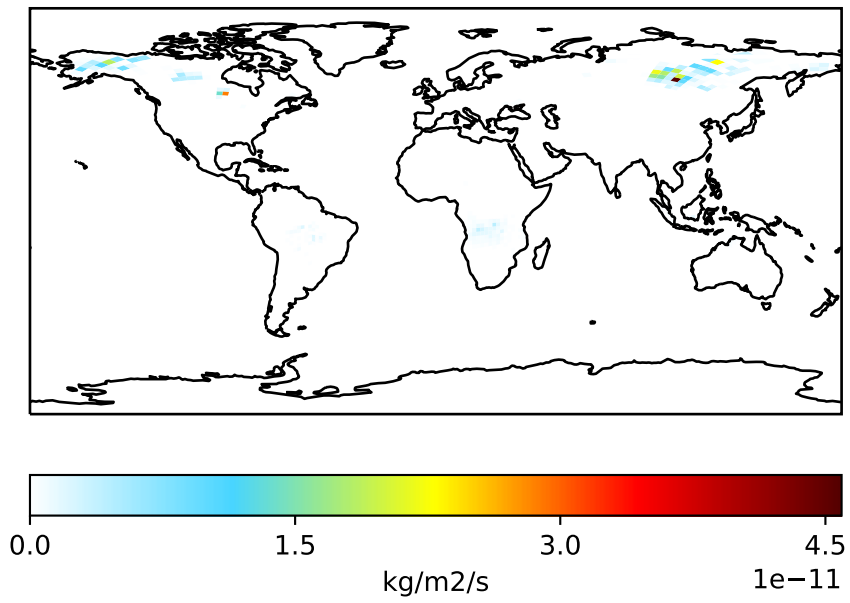


EmisXYLE_BioBurn

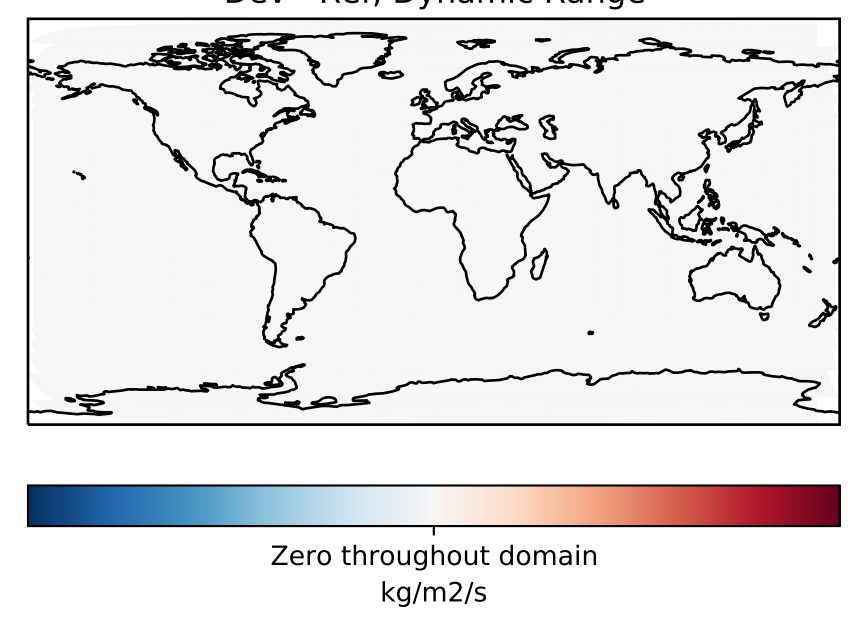
GCHP_13.2.0 (Ref)
c48



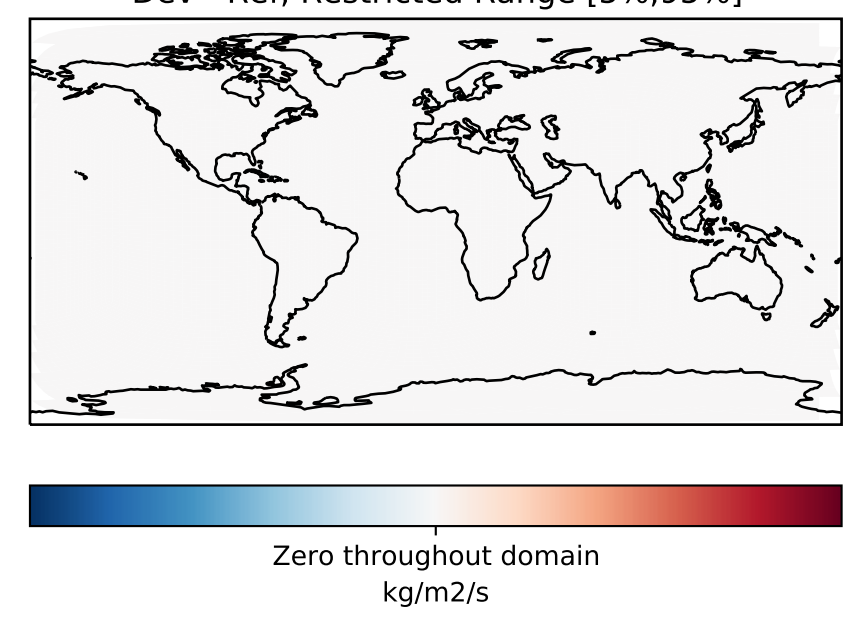
GCHP_13.3.0-rc.1 (Dev)
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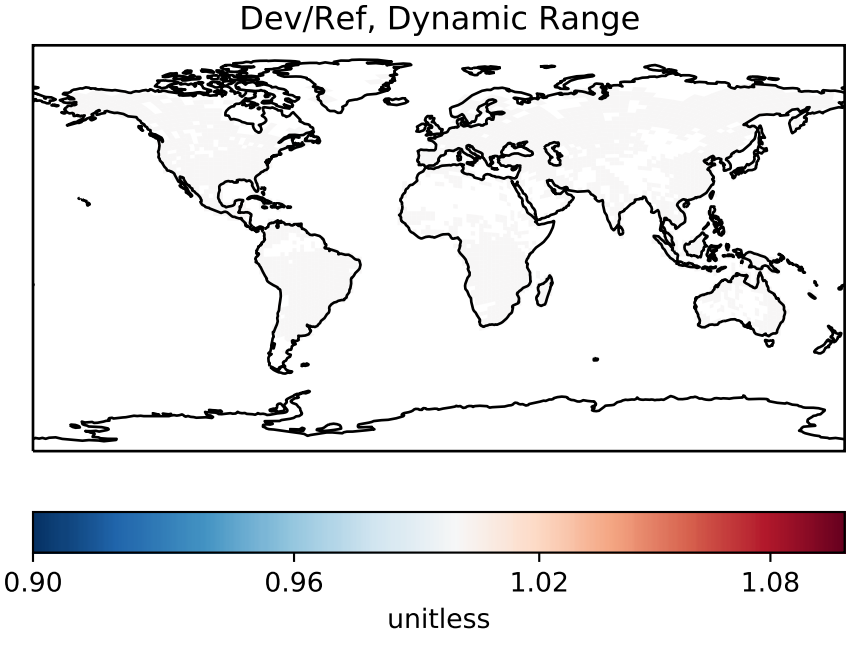
Difference
Dev - Ref, Dynamic Range



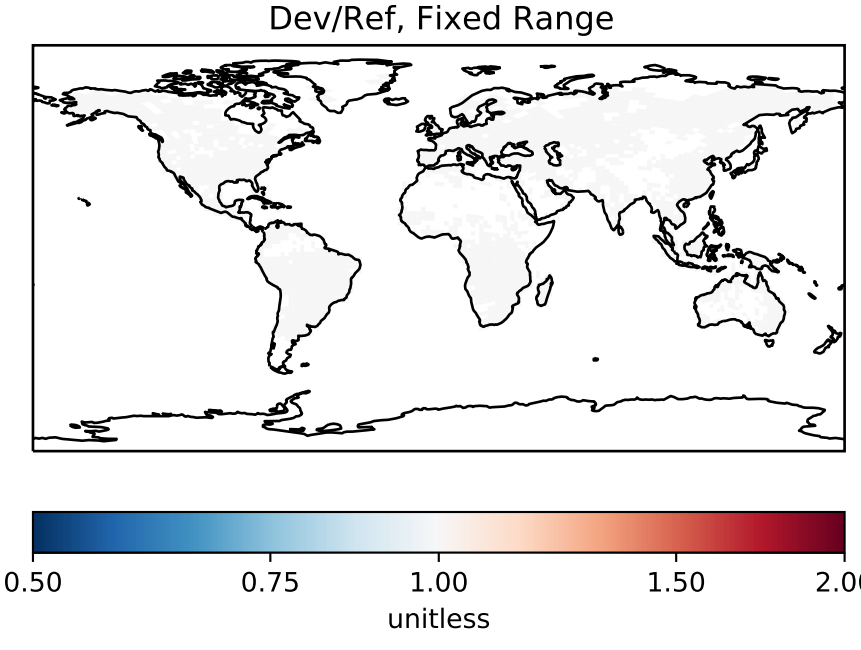
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

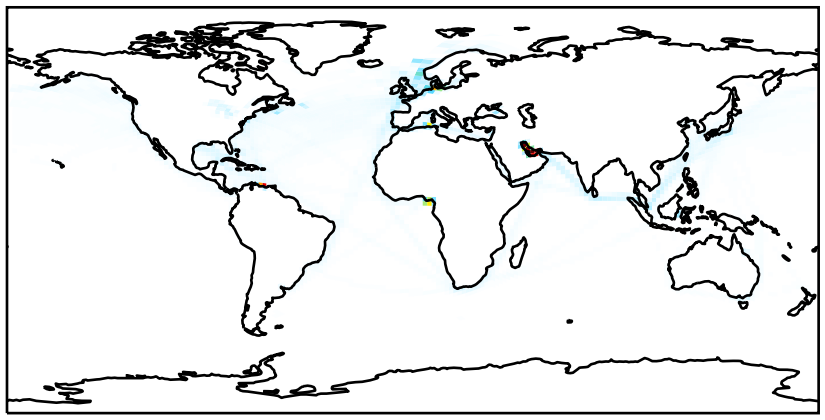


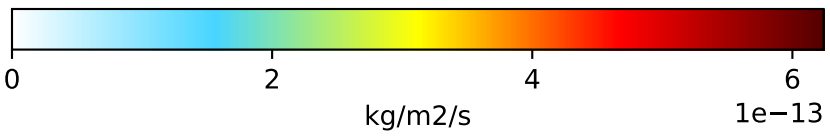
Ratio
Dev/Ref, Fixed Range



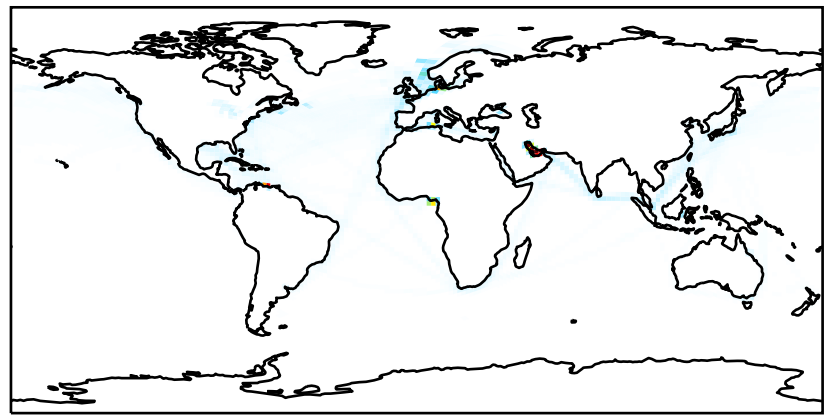
EmisXYLE_Ship

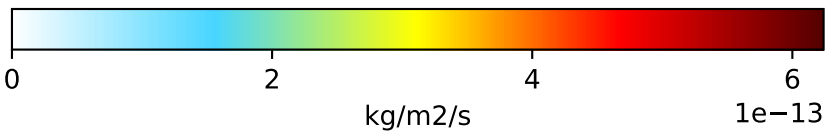
GCHP_13.2.0 (Ref)
c48



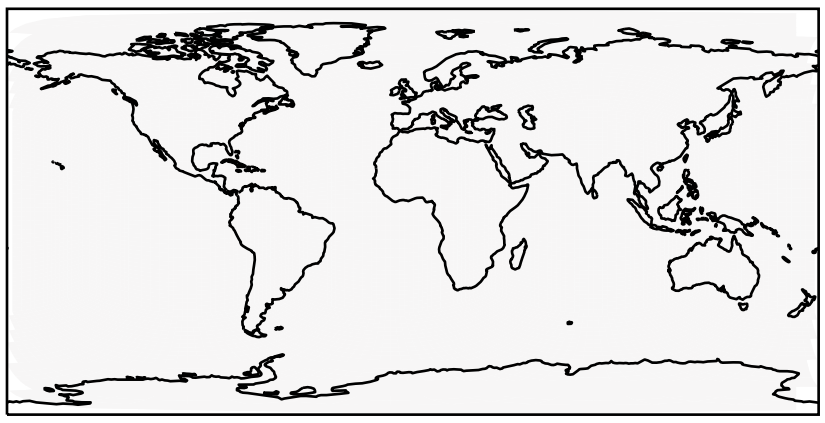


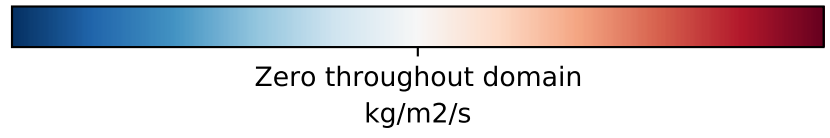
GCHP_13.3.0-rc.1 (Dev)
c48



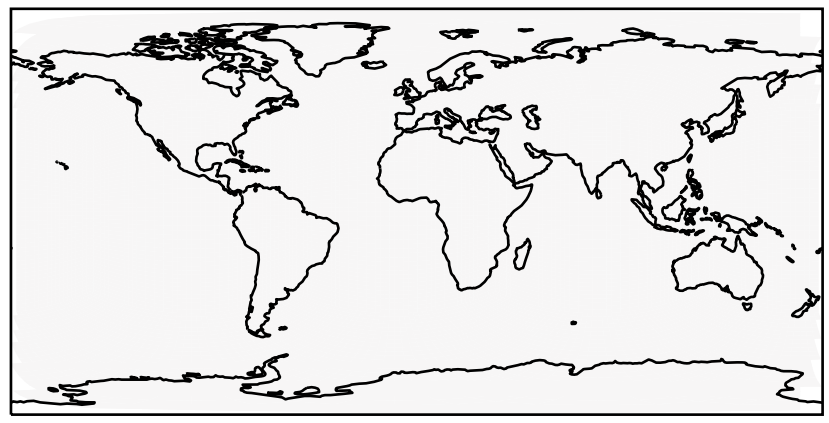


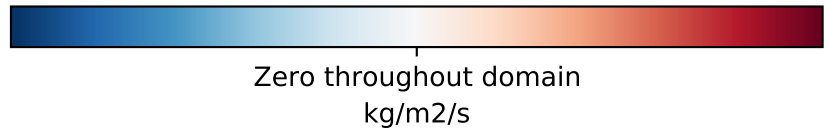
Difference
Dev - Ref, Dynamic Range



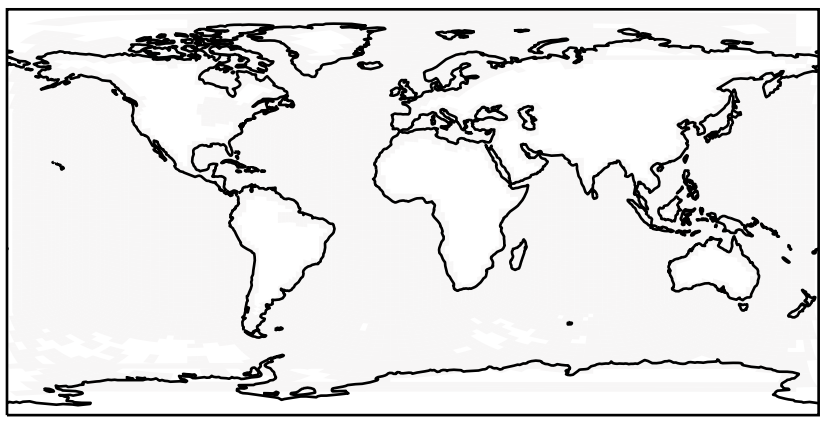


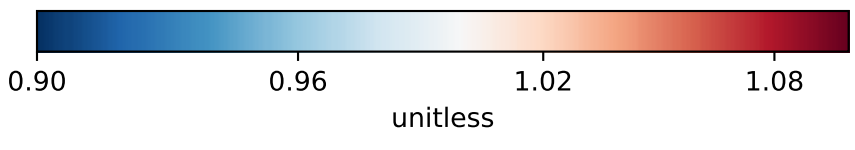
Difference
Dev - Ref, Restricted Range [5%,95%]



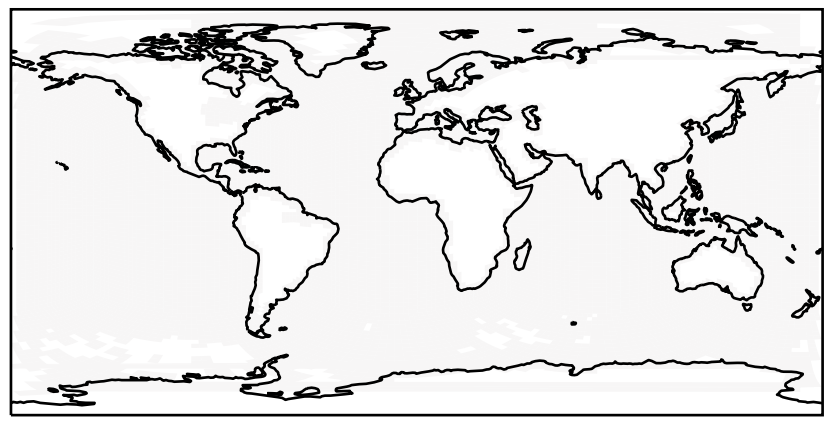


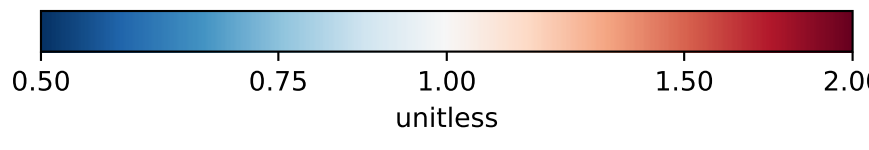
Ratio
Dev/Ref, Dynamic Range





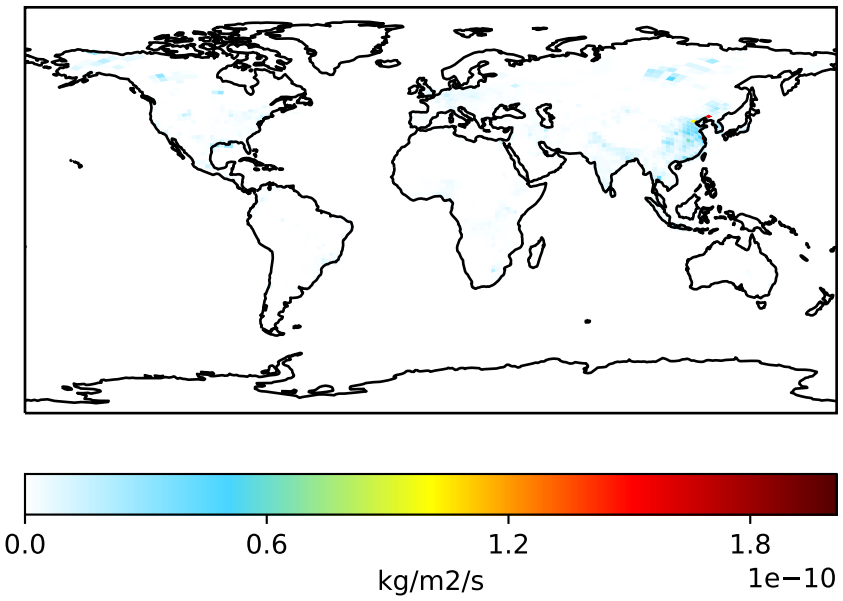
Ratio
Dev/Ref, Fixed Range



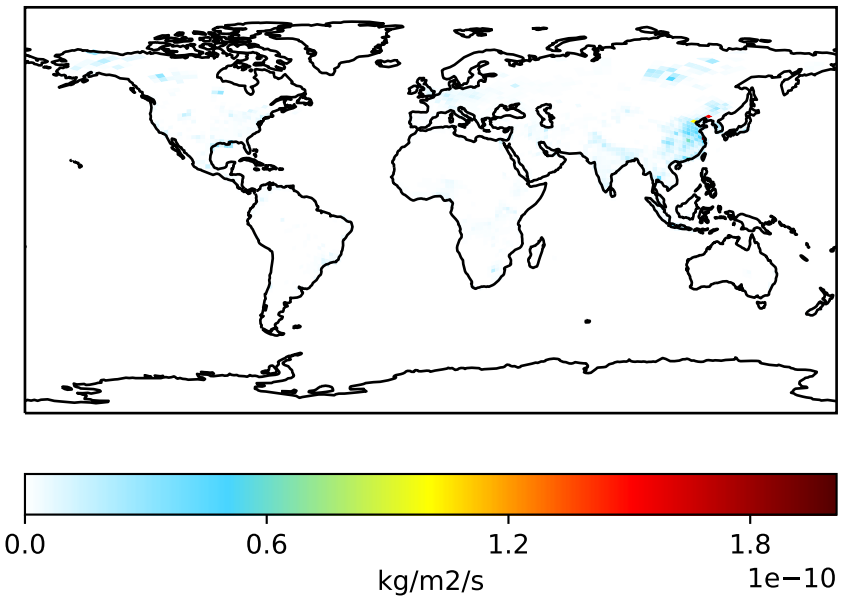


EmisXYLE_Total

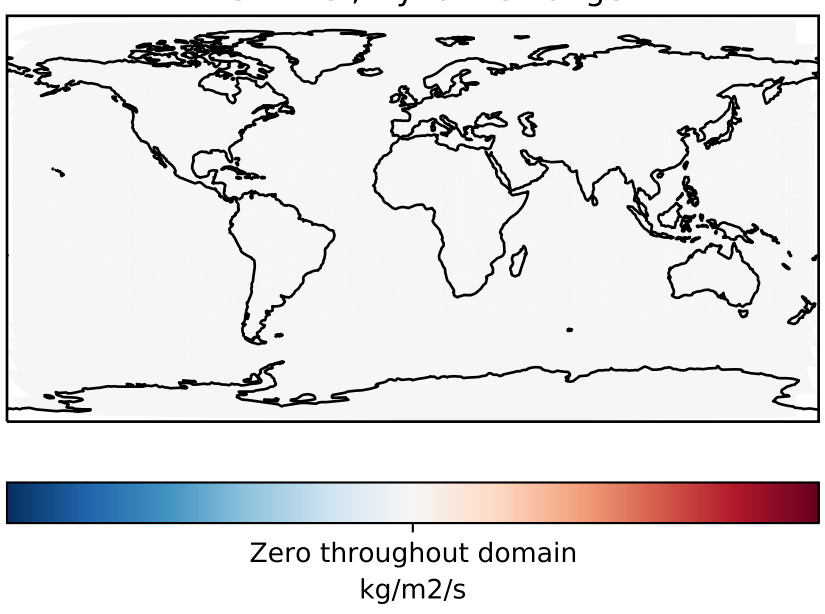
GCHP_13.2.0 (Ref)
c48



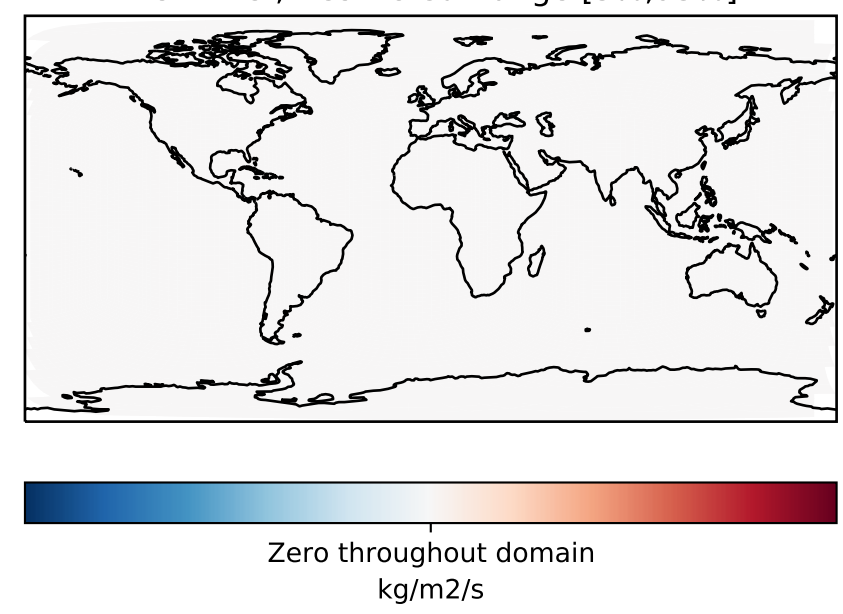
GCHP_13.3.0-rc.1 (Dev)
c48



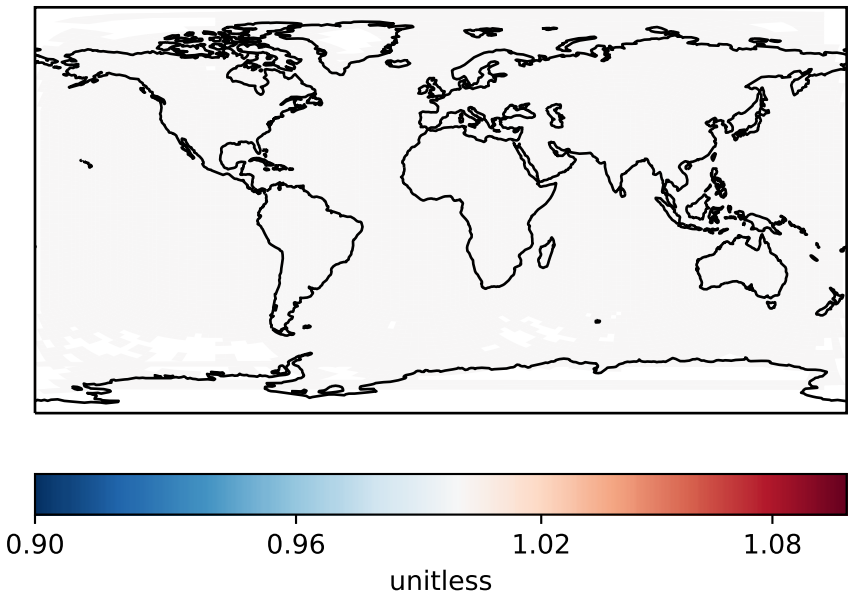
Difference
Dev - Ref, Dynamic Range



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



Ratio
Dev/Ref, Dynamic Range



Ratio
Dev/Ref, Fixed Range

