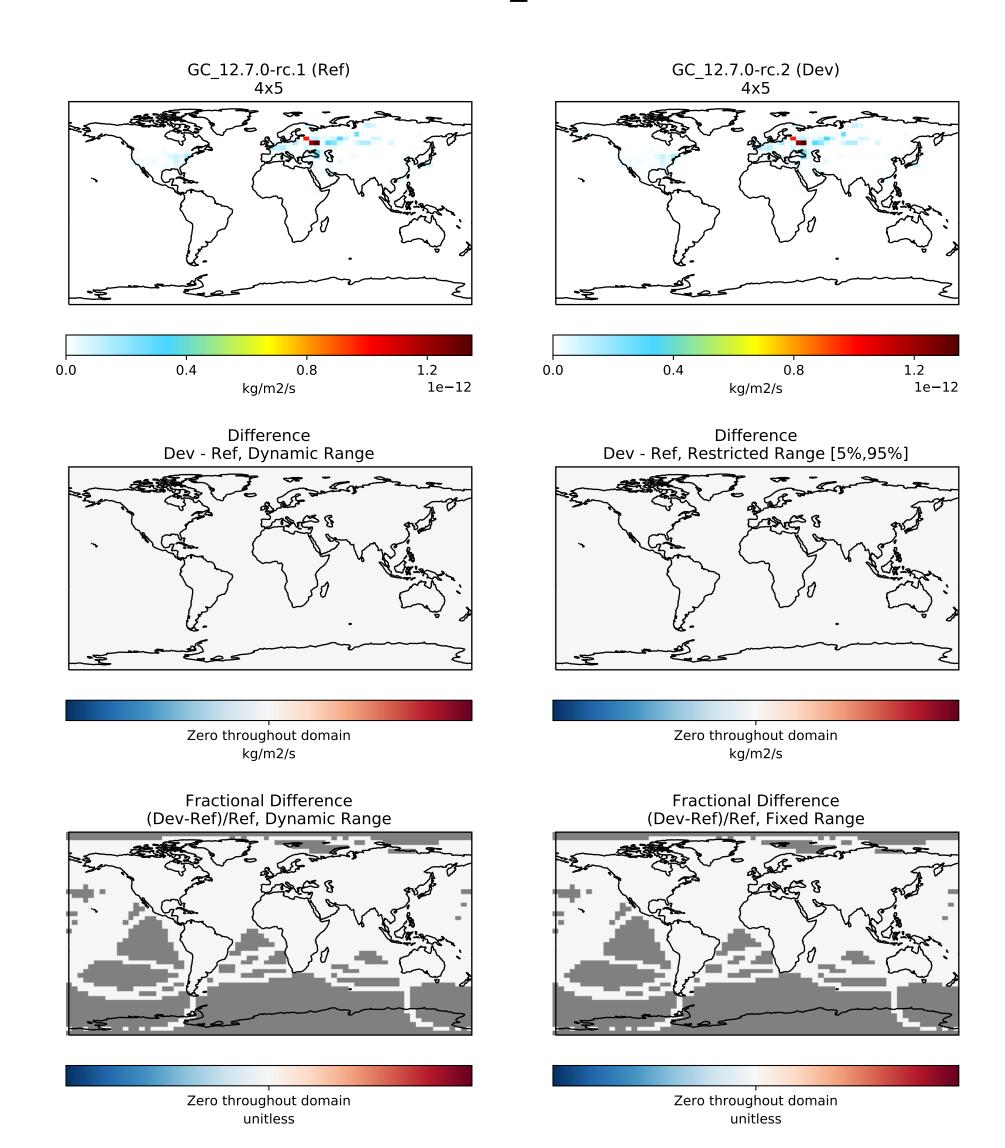
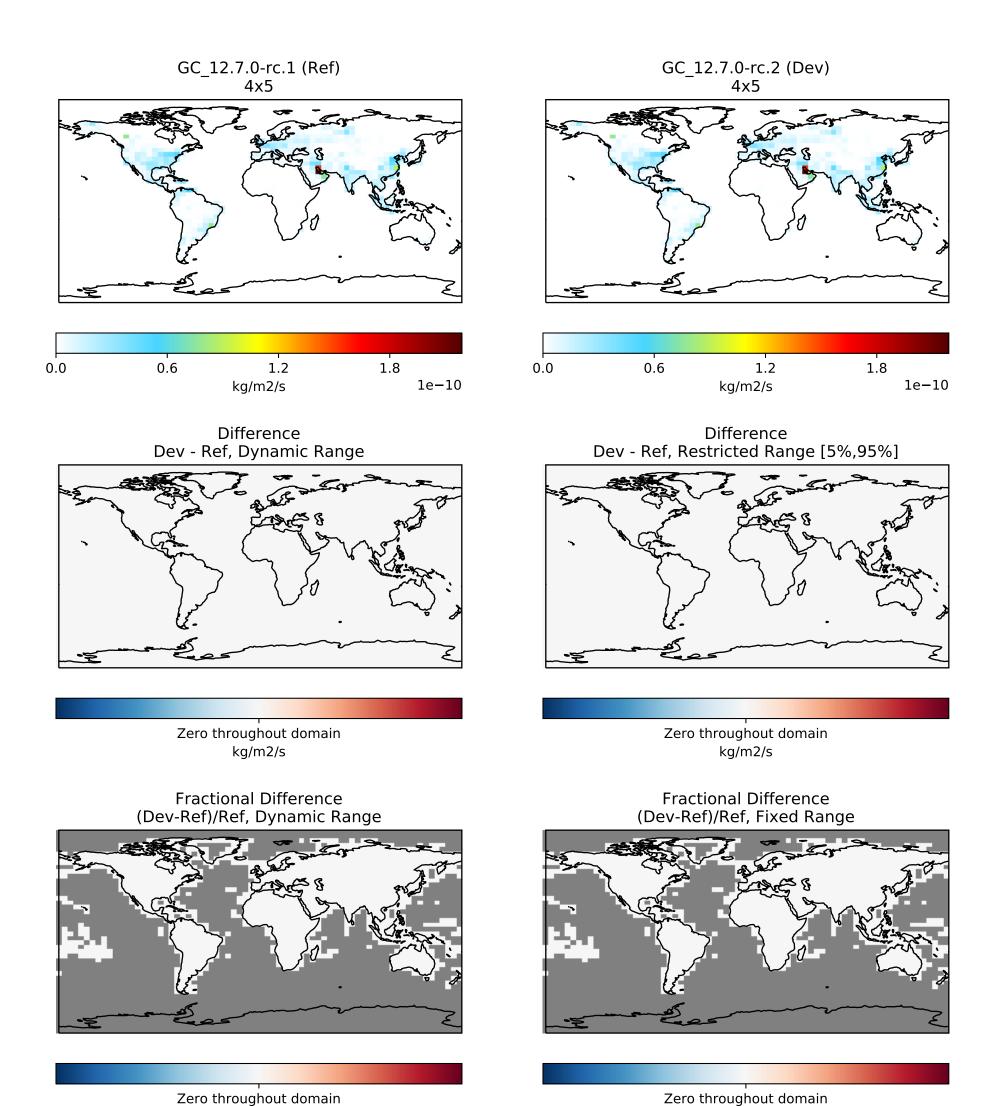
EmisALK4_Aircraft



EmisALK4_Anthro



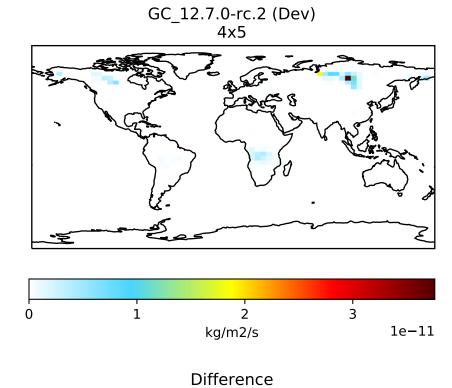
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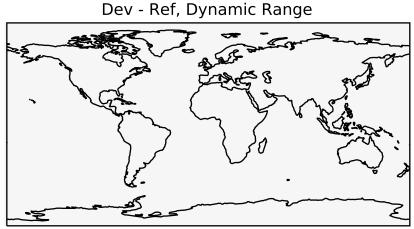
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EmisALK4_BioBurn

1e-11

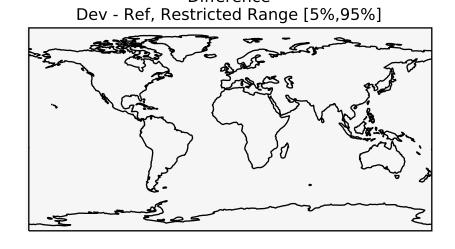
GC_12.7.0-rc.1 (Ref)
4x5





kg/m2/s

Difference



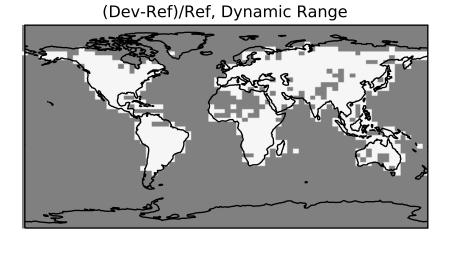
Zero throughout domain kg/m2/s

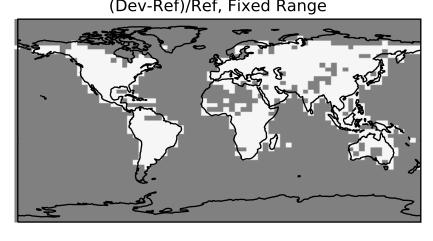
Fractional Difference

Fractional Difference (Dev-Ref)/Ref, Fixed Range

Zero throughout domain

kg/m2/s

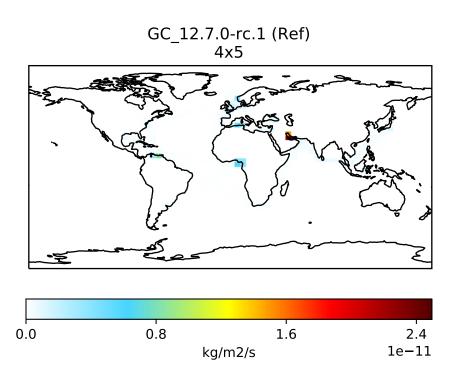


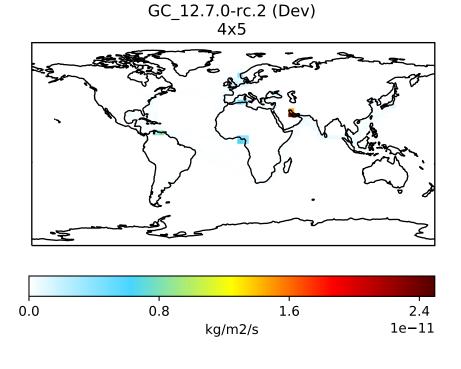


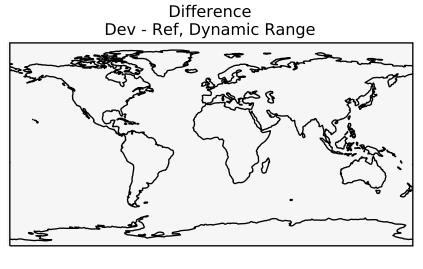
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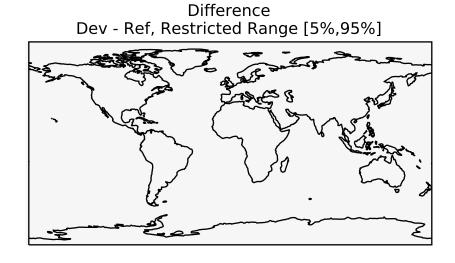
Zero throughout domain unitless

EmisALK4_Ship



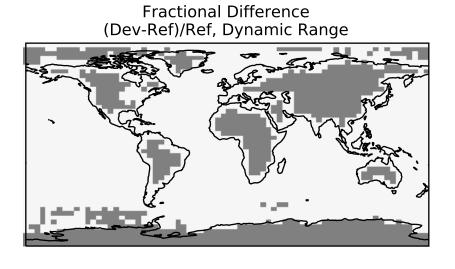




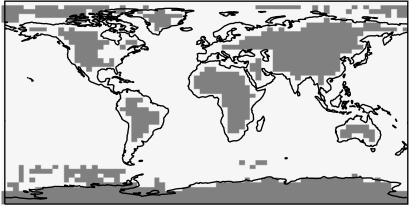


Zero throughout domain kg/m2/s

Zero throughout domain kg/m2/s



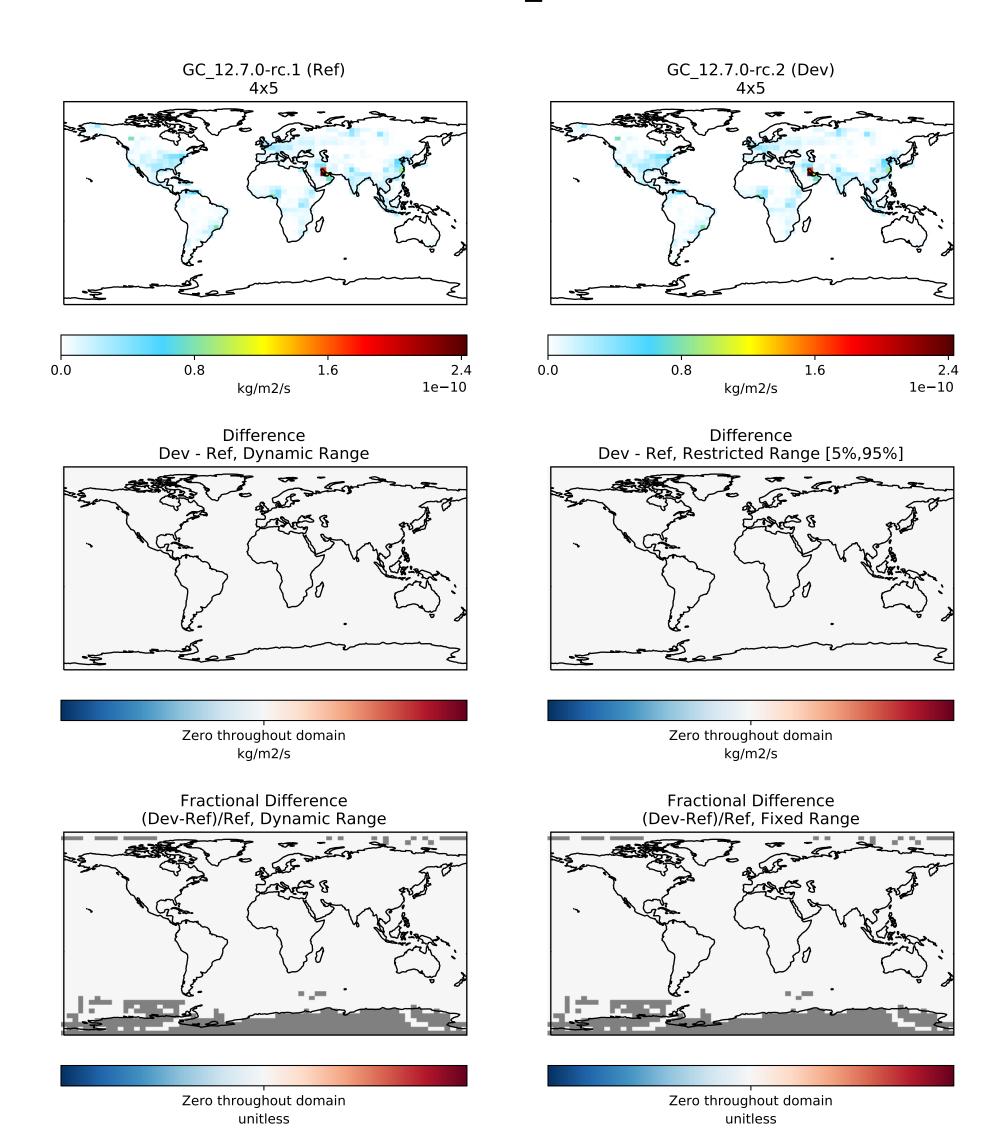
Fractional Difference (Dev-Ref)/Ref, Fixed Range



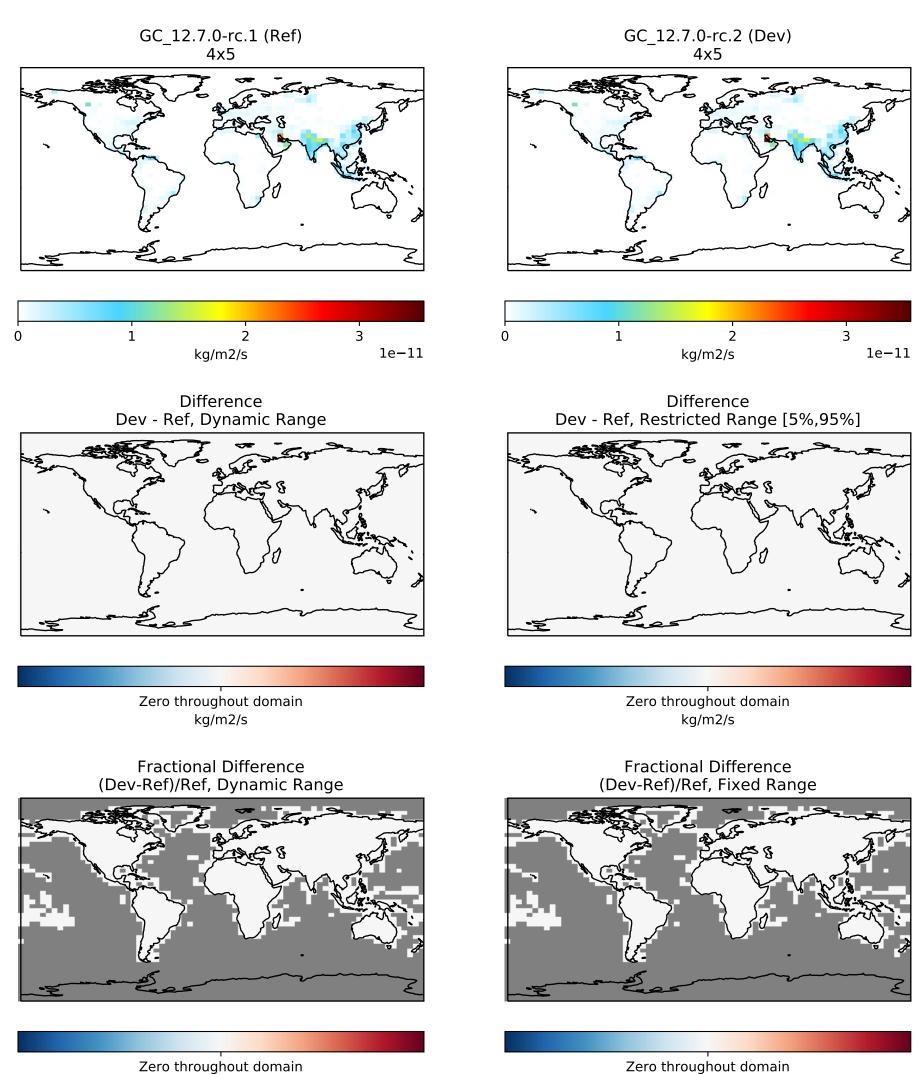
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EmisALK4_Total



EmisBENZ_Anthro

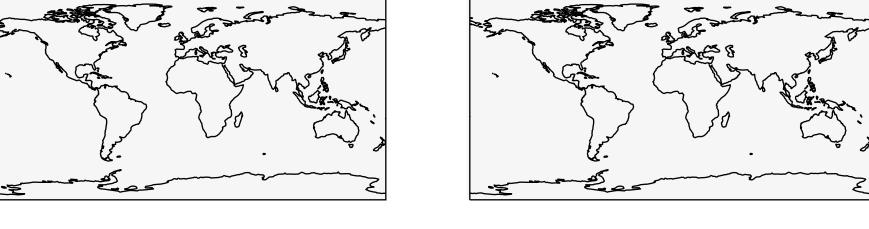


unitless

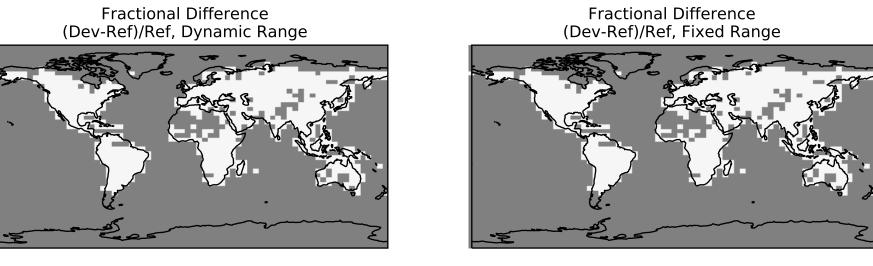
Zero throughout domain unitless

EmisBENZ_BioBurn

GC_12.7.0-rc.2 (Dev) GC_12.7.0-rc.1 (Ref) 4x5 4x5 3 3 6 kg/m2/s 1e-11 kg/m2/s 1e-11 Difference Difference Dev - Ref, Restricted Range [5%,95%] Dev - Ref, Dynamic Range

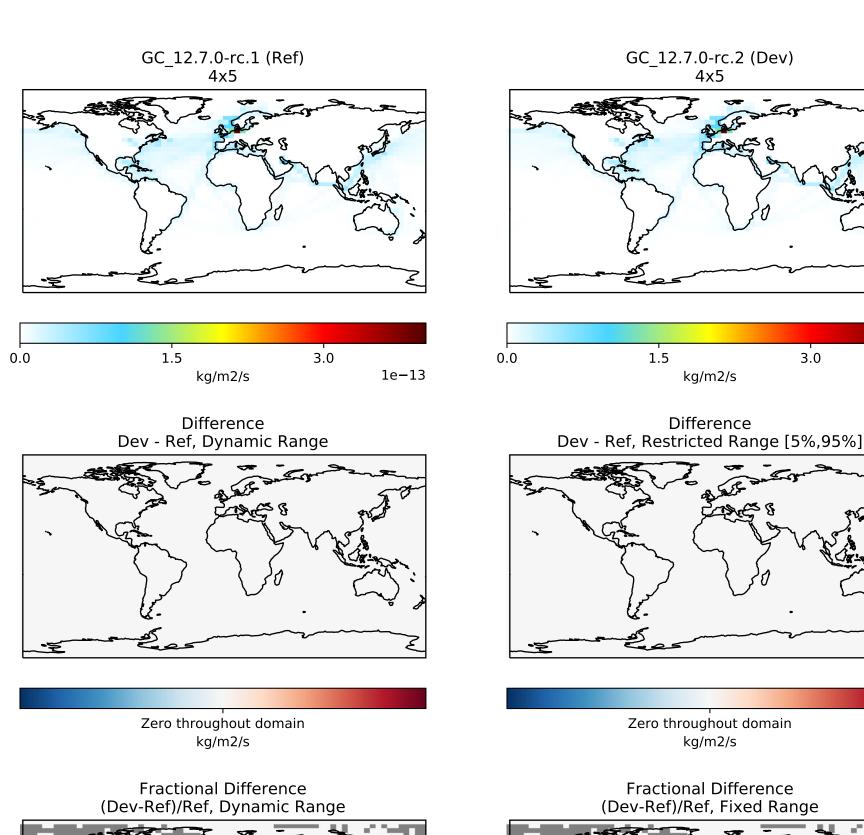


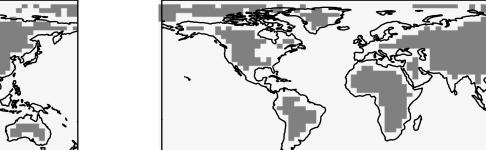
Zero throughout domain Zero throughout domain kg/m2/s kg/m2/s



Zero throughout domain Zero throughout domain unitless unitless

EmisBENZ_Ship



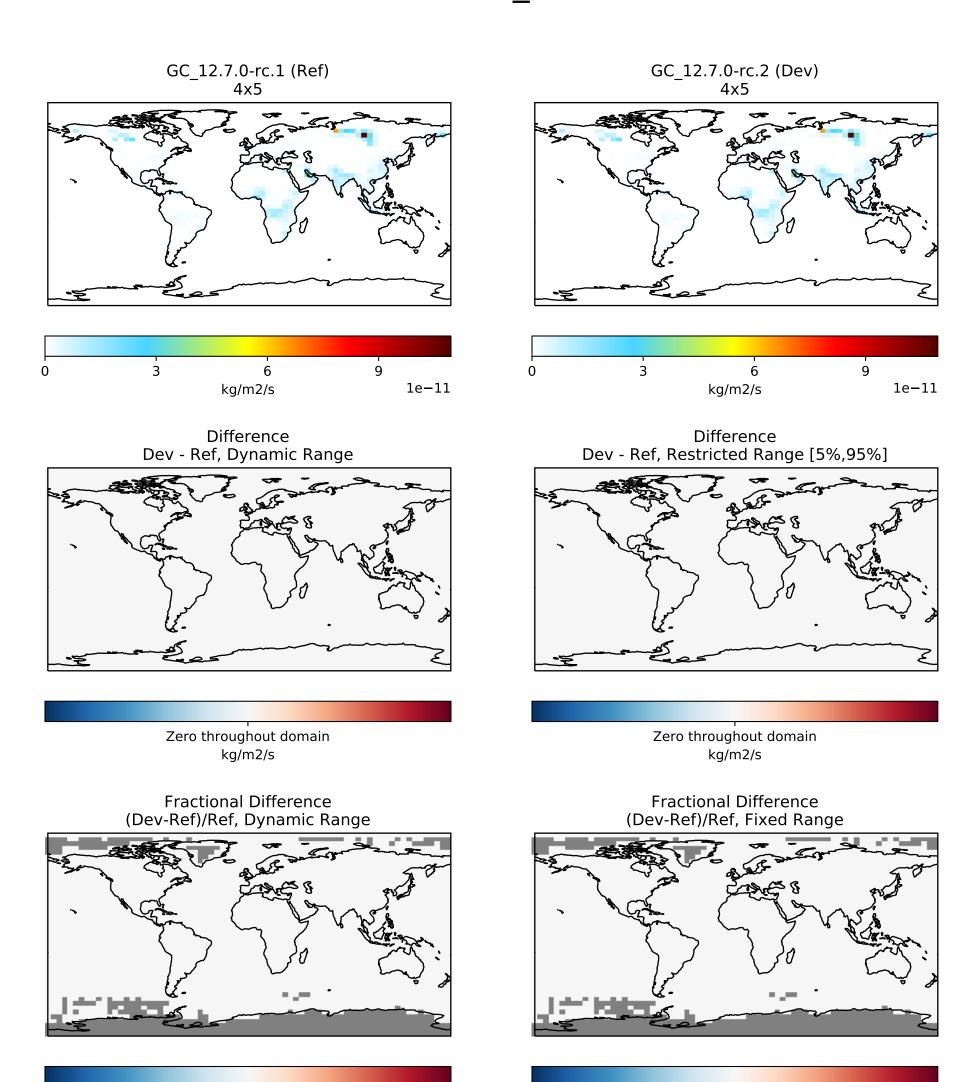


3.0

1e-13

Zero throughout domain Zero throughout domain unitless unitless

EmisBENZ_Total



Zero throughout domain

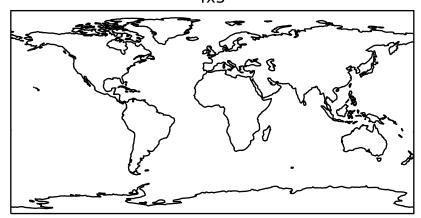
unitless

Zero throughout domain

unitless

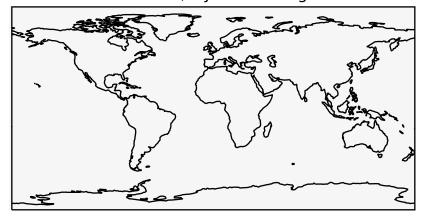
EmisCH4_Anthro

GC_12.7.0-rc.1 (Ref) 4x5



Zero throughout domain kg/m2/s

Difference Dev - Ref, Dynamic Range



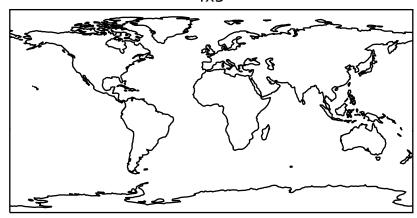
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Fractional Difference (Dev-Ref)/Ref, Dynamic Range



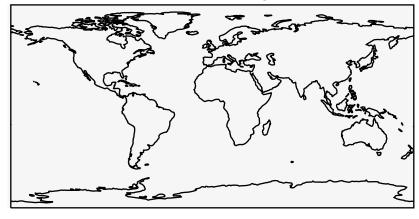
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GC_12.7.0-rc.2 (Dev) 4x5



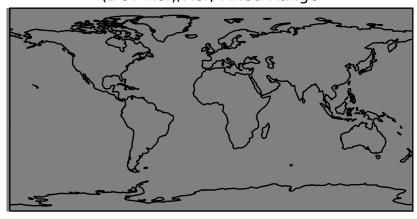
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Difference Dev - Ref, Restricted Range [5%,95%]



Zero throughout domain kg/m2/s

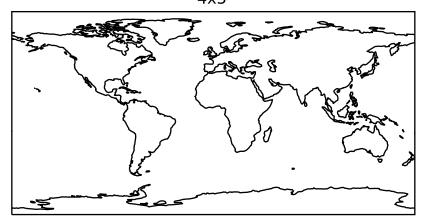
Fractional Difference (Dev-Ref)/Ref, Fixed Range



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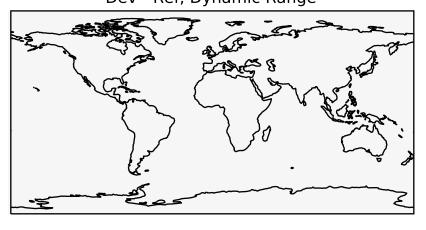
EmisCH4_BioBurn

GC_12.7.0-rc.1 (Ref) 4x5



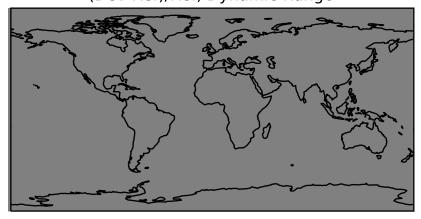
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Difference Dev - Ref, Dynamic Range



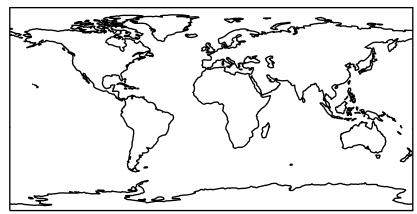
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Fractional Difference (Dev-Ref)/Ref, Dynamic Range



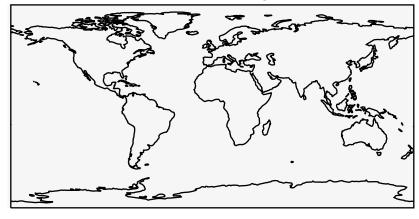
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GC_12.7.0-rc.2 (Dev) 4x5



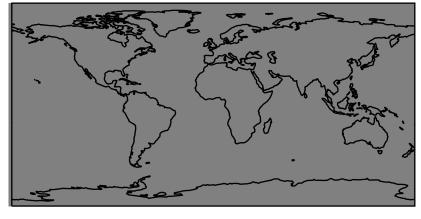
Zero throughout domain kg/m2/s

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



Zero throughout domain kg/m2/s

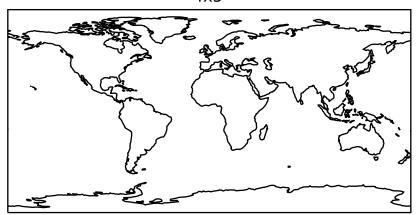
Fractional Difference (Dev-Ref)/Ref, Fixed Range



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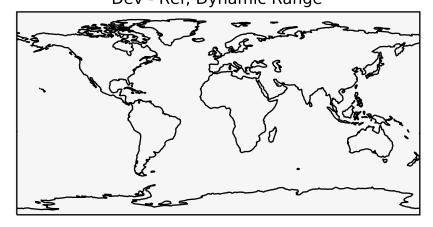
EmisCH4_Ship

GC_12.7.0-rc.1 (Ref) 4x5



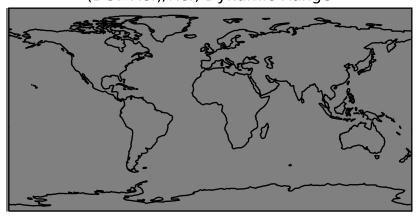
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Difference Dev - Ref, Dynamic Range



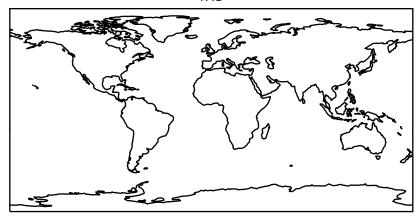
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Fractional Difference (Dev-Ref)/Ref, Dynamic Range



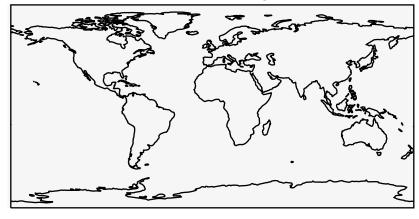
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GC_12.7.0-rc.2 (Dev) 4x5



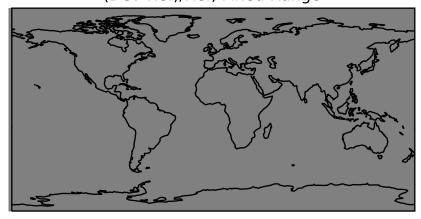
Zero throughout domain kg/m2/s

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



Zero throughout domain kg/m2/s

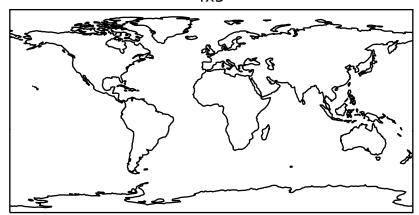
Fractional Difference (Dev-Ref)/Ref, Fixed Range



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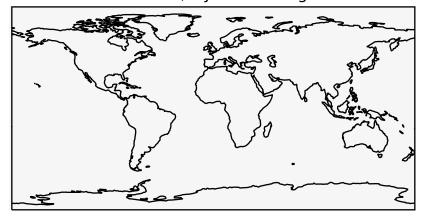
EmisCH4_Total

GC_12.7.0-rc.1 (Ref) 4x5



Zero throughout domain kg/m2/s

Difference Dev - Ref, Dynamic Range



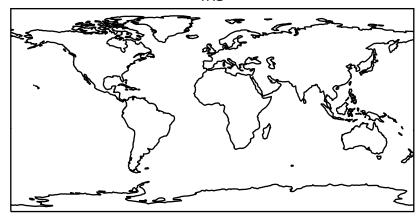
Zero throughout domain kg/m2/s

Fractional Difference (Dev-Ref)/Ref, Dynamic Range



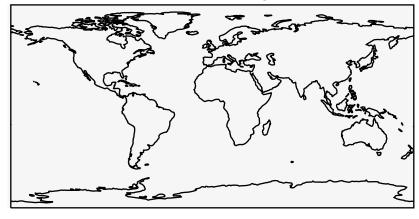
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GC_12.7.0-rc.2 (Dev) 4x5



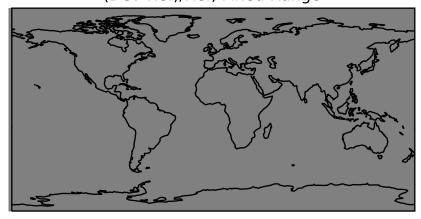
Zero throughout domain kg/m2/s

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



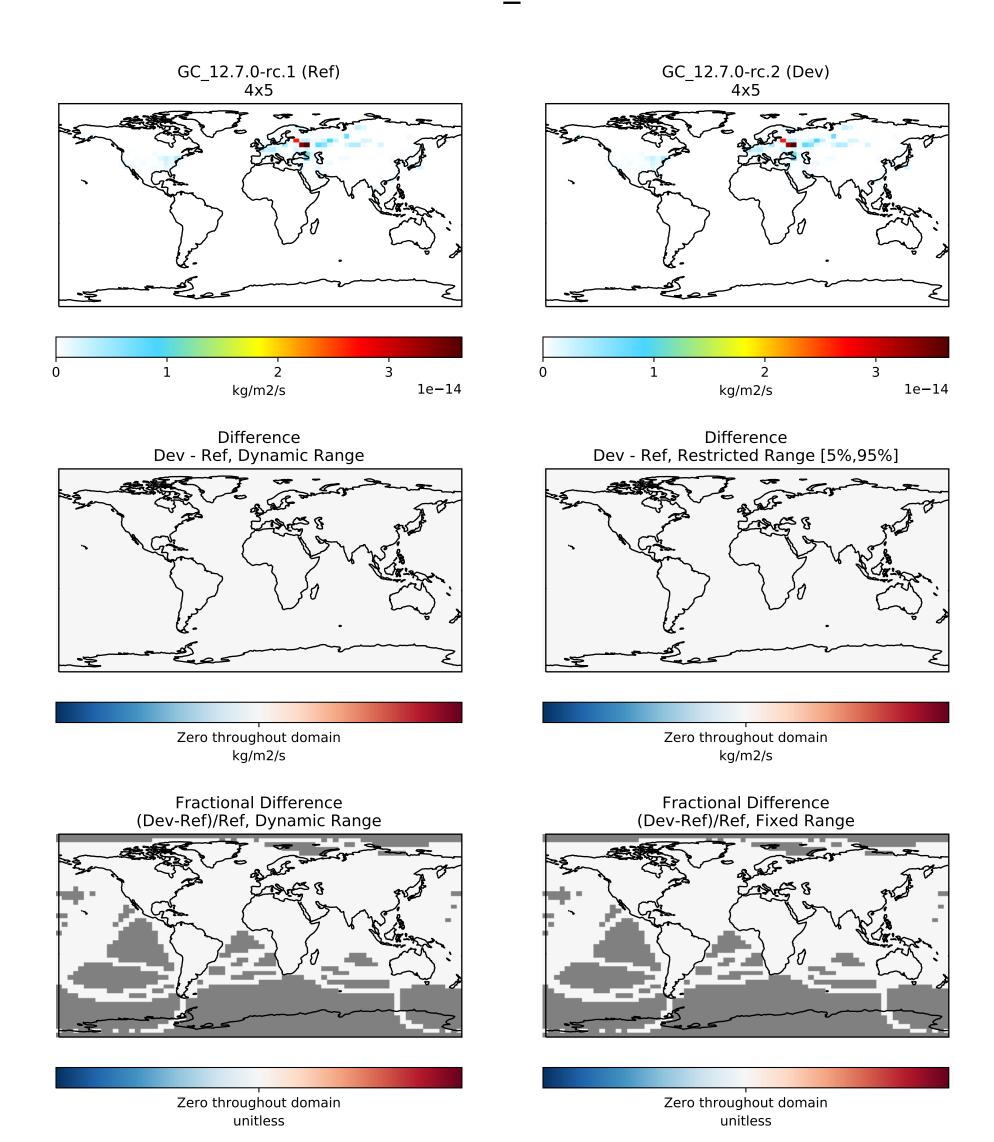
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Fractional Difference (Dev-Ref)/Ref, Fixed Range

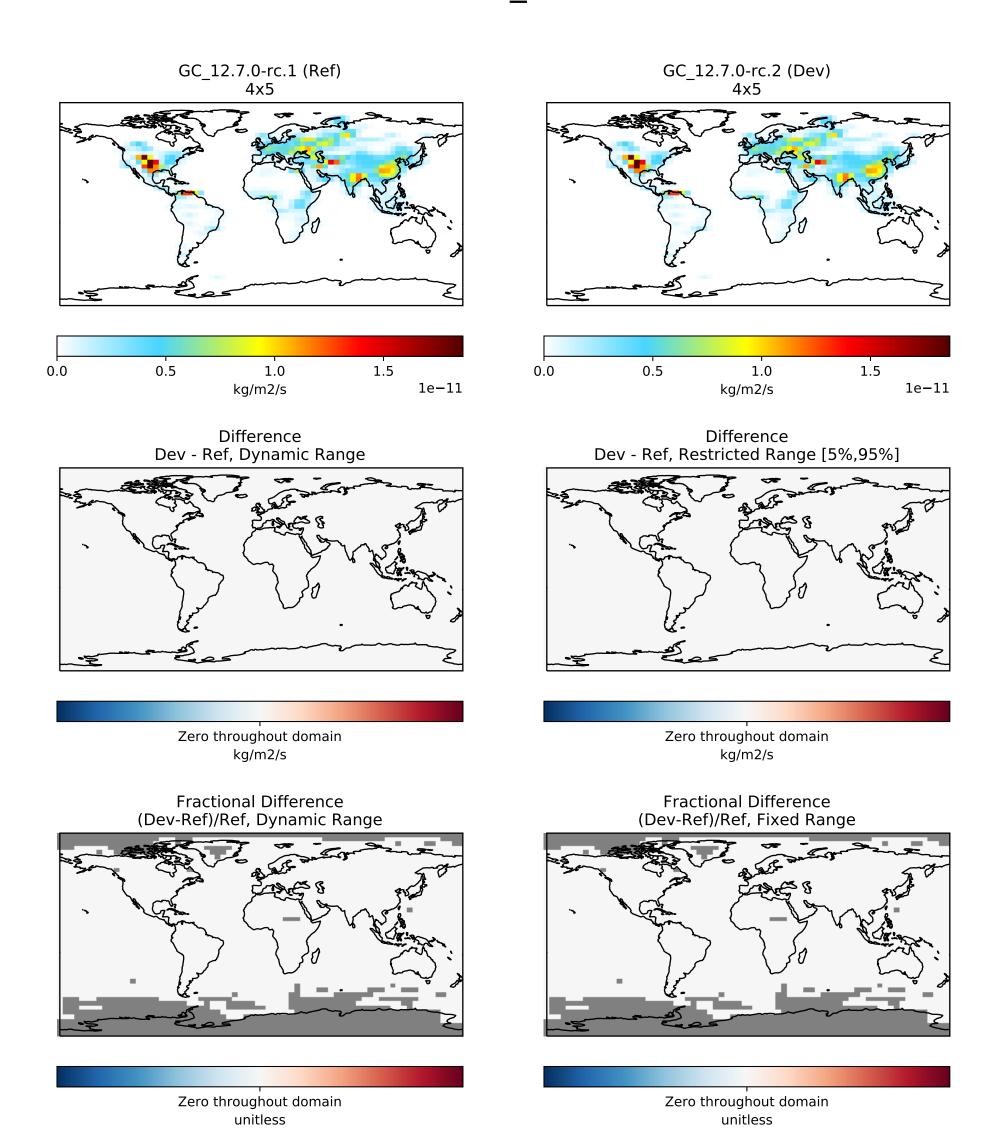


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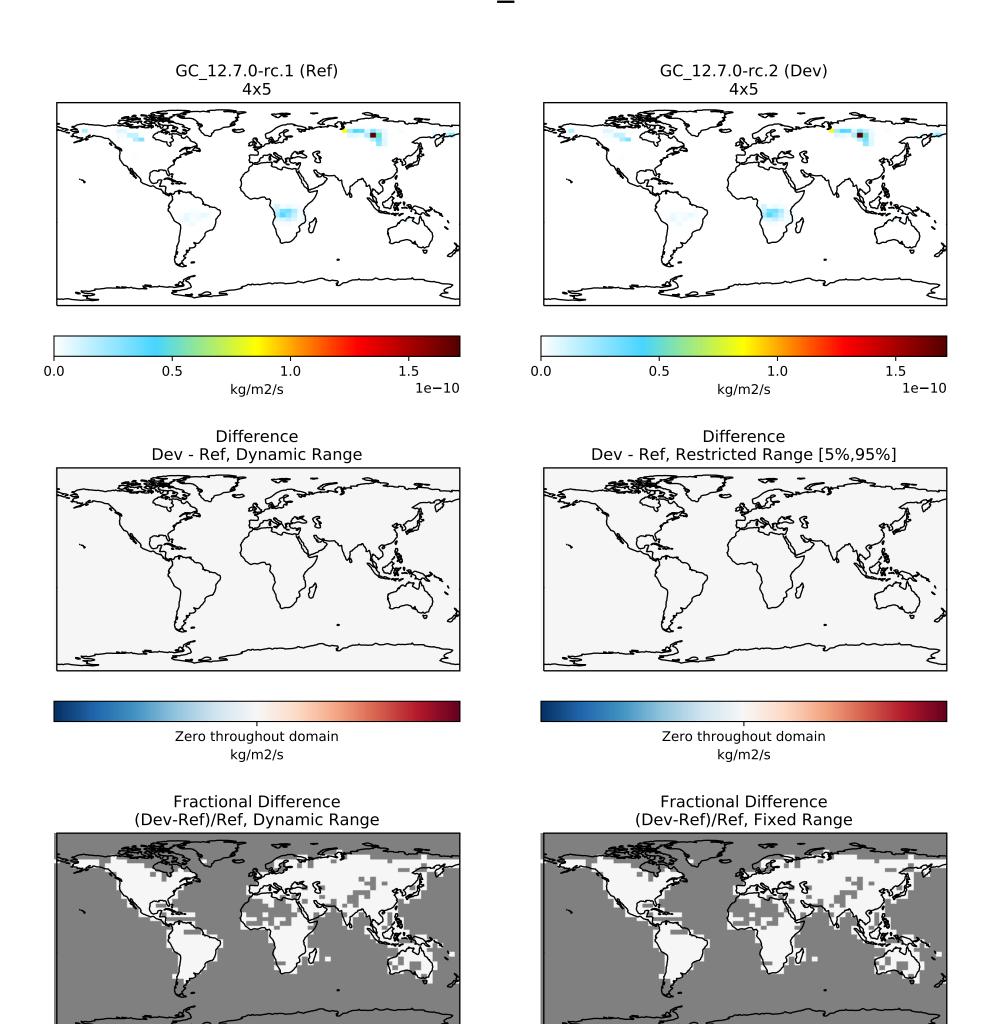
EmisC2H6_Aircraft



EmisC2H6_Anthro



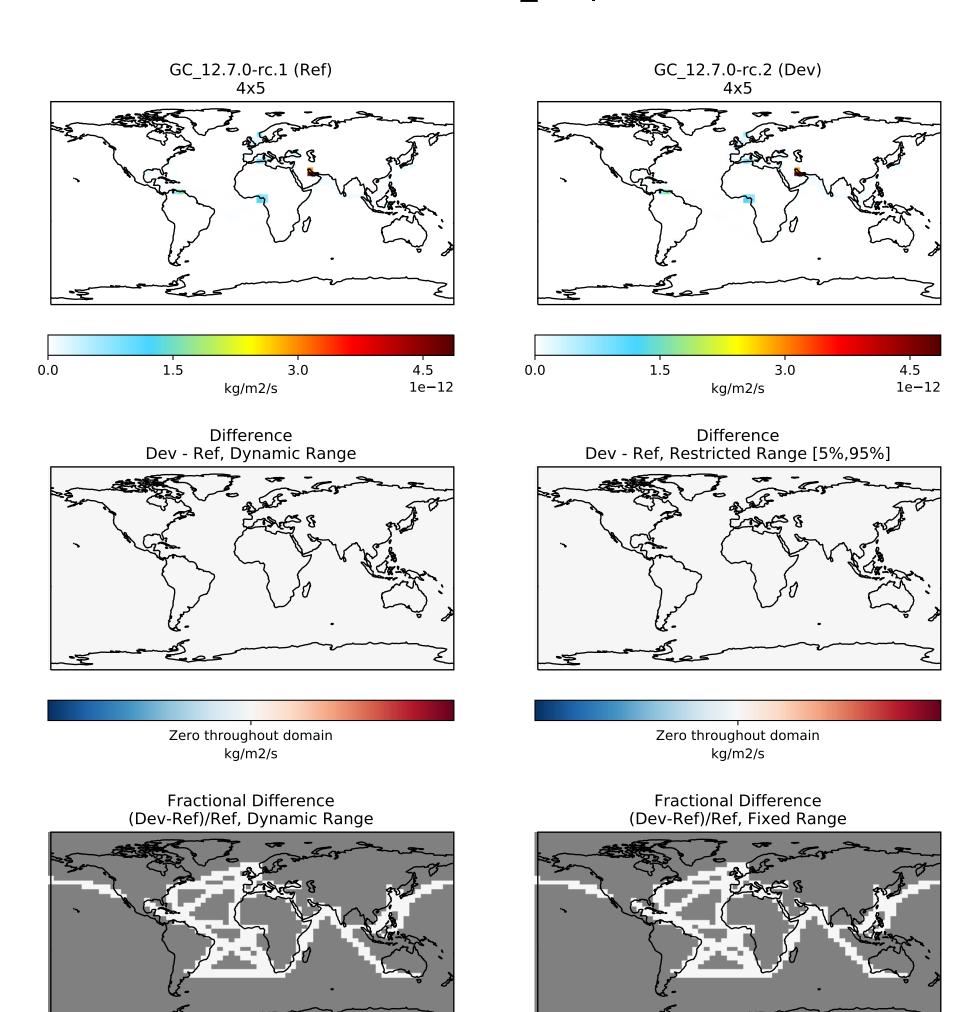
EmisC2H6_BioBurn



Zero throughout domain Zero throughout domain unitless

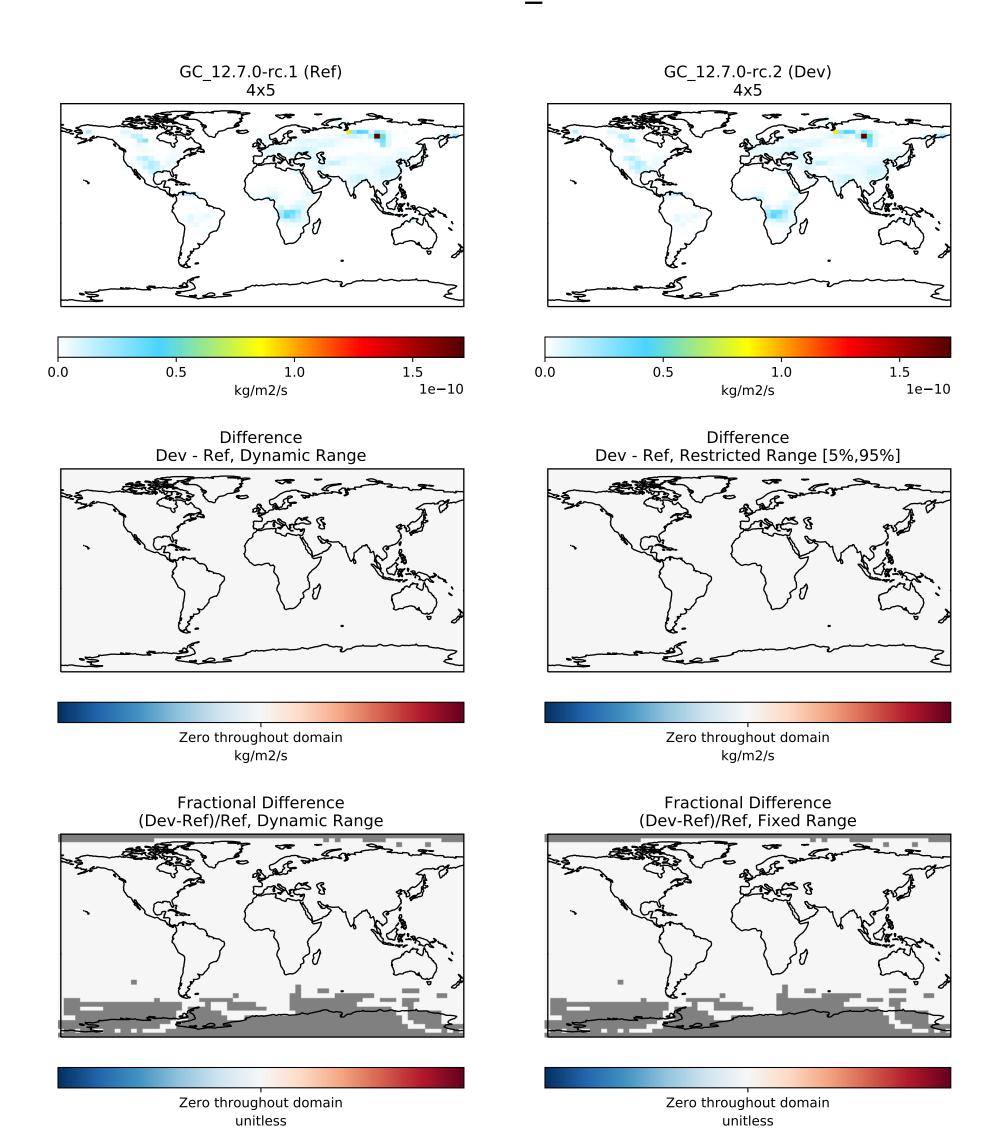
unitless

EmisC2H6_Ship

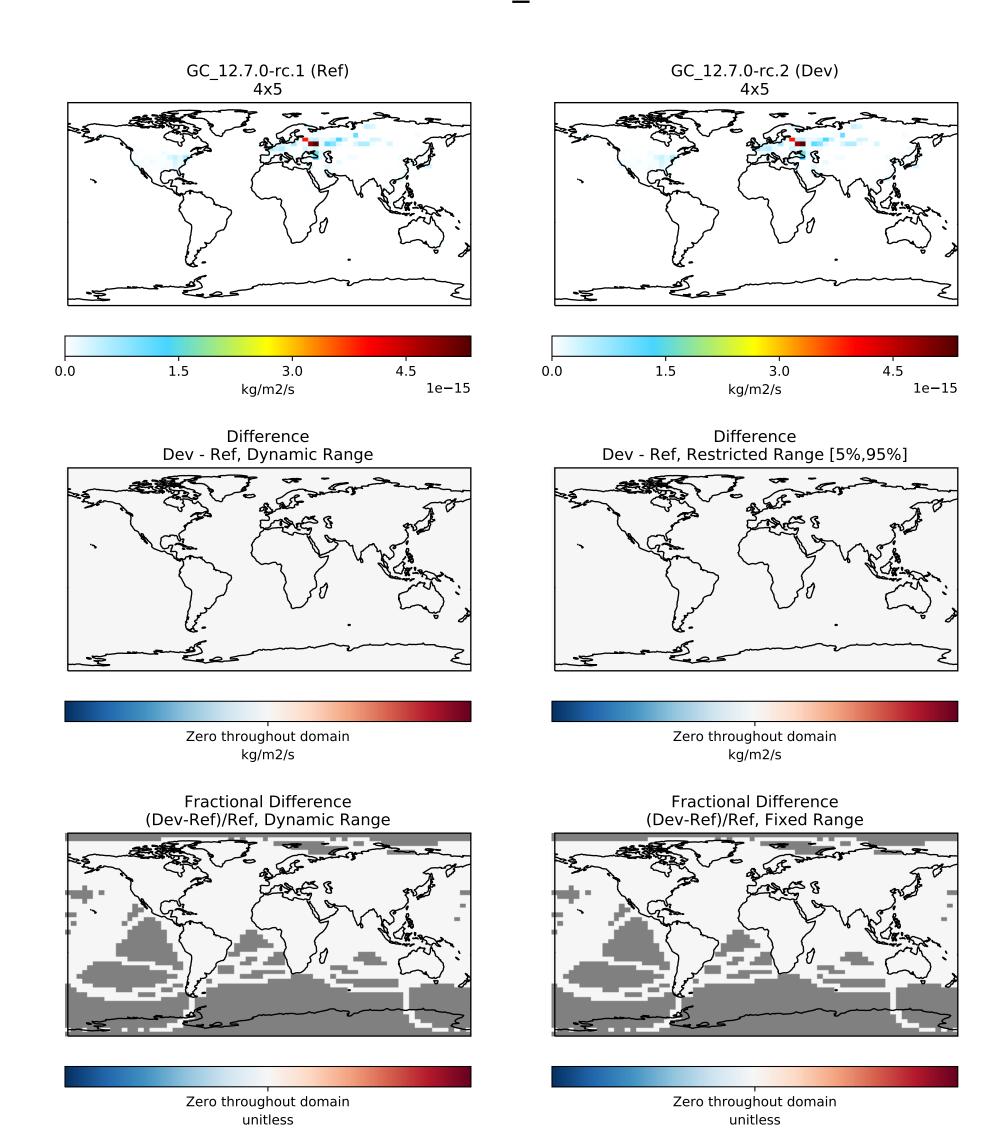


Zero throughout domain
unitless
Zero throughout domain
unitless

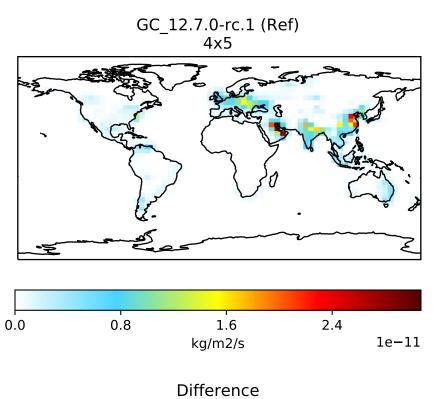
EmisC2H6_Total

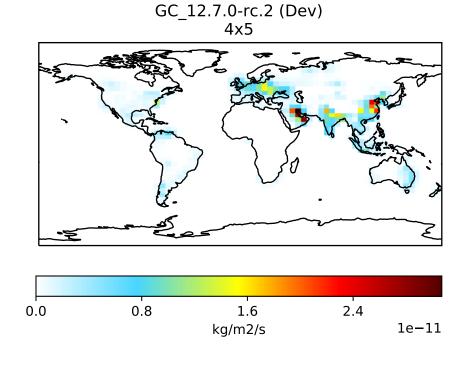


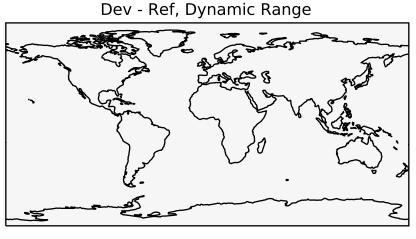
EmisC3H8_Aircraft

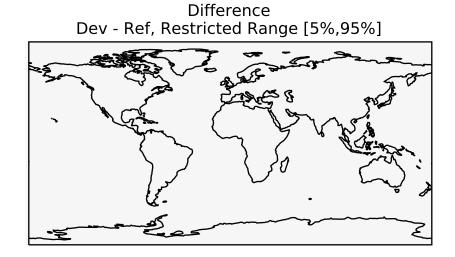


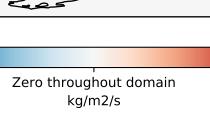
EmisC3H8_Anthro



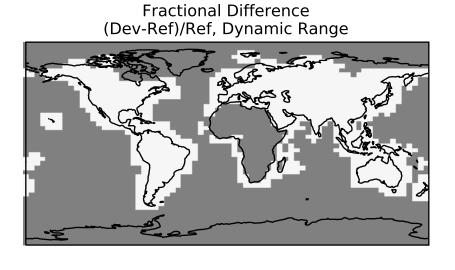




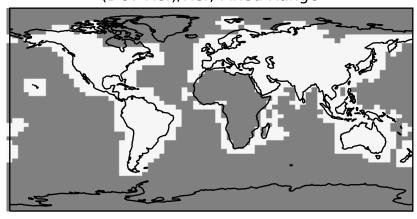




Zero throughout domain kg/m2/s



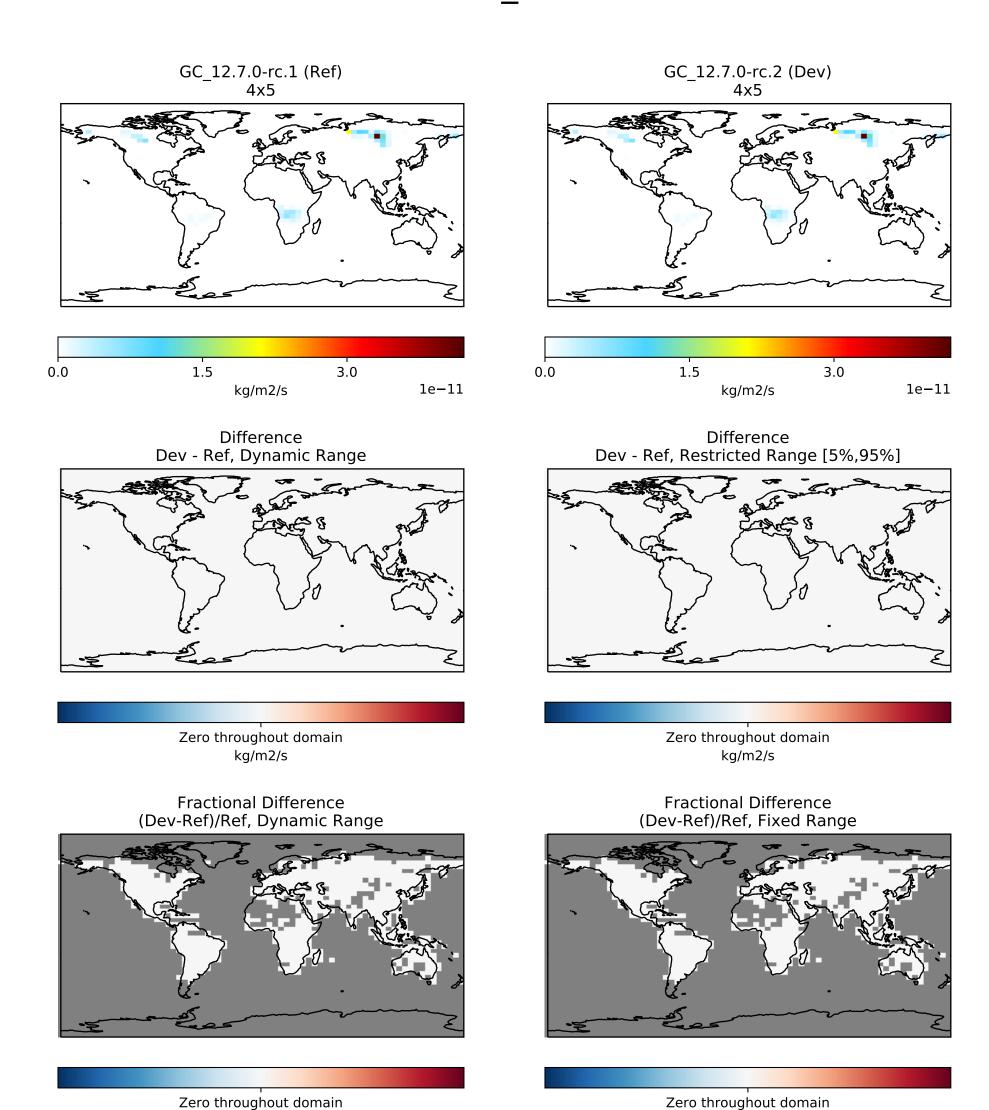
Fractional Difference (Dev-Ref)/Ref, Fixed Range



Zero throughout domain unitless

Zero throughout domain unitless

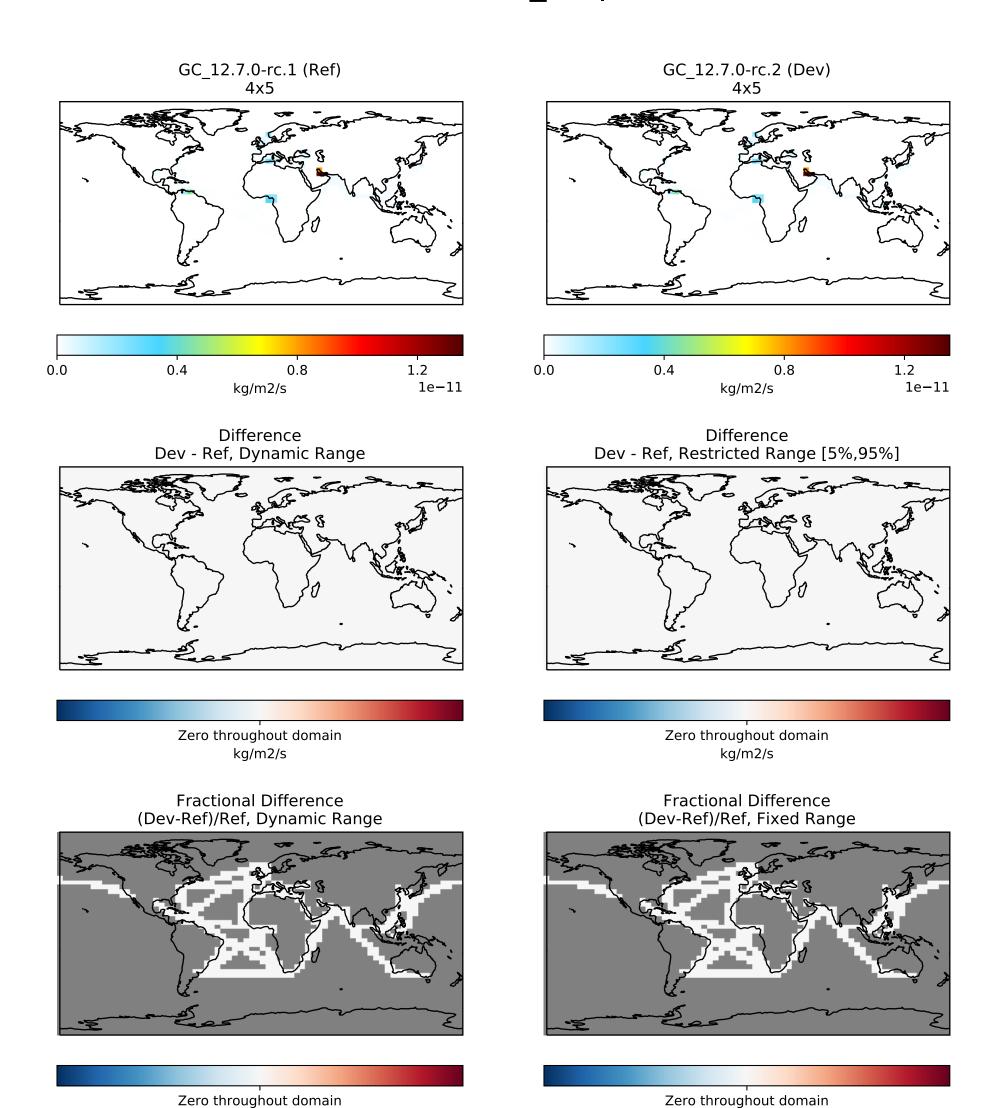
EmisC3H8_BioBurn



unitless

unitless

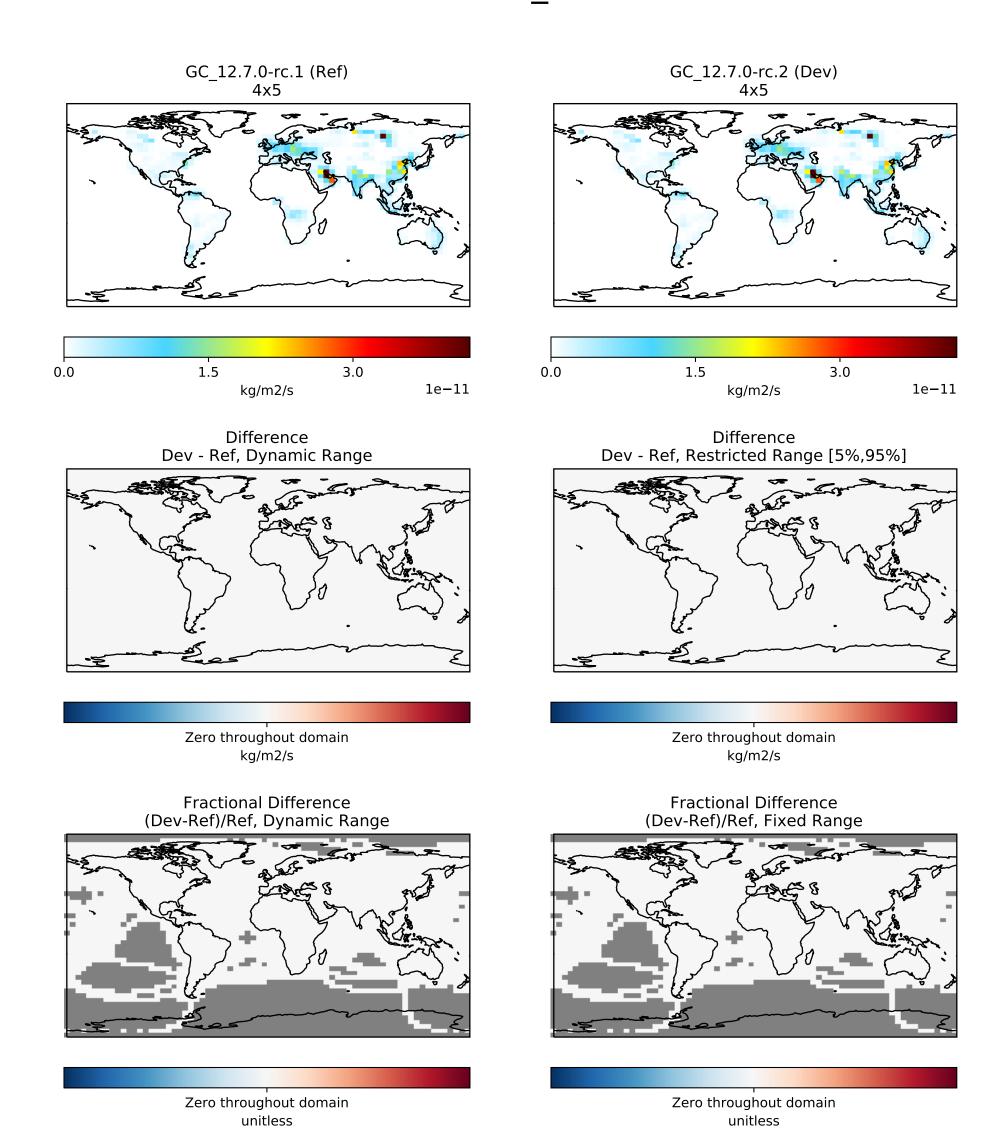
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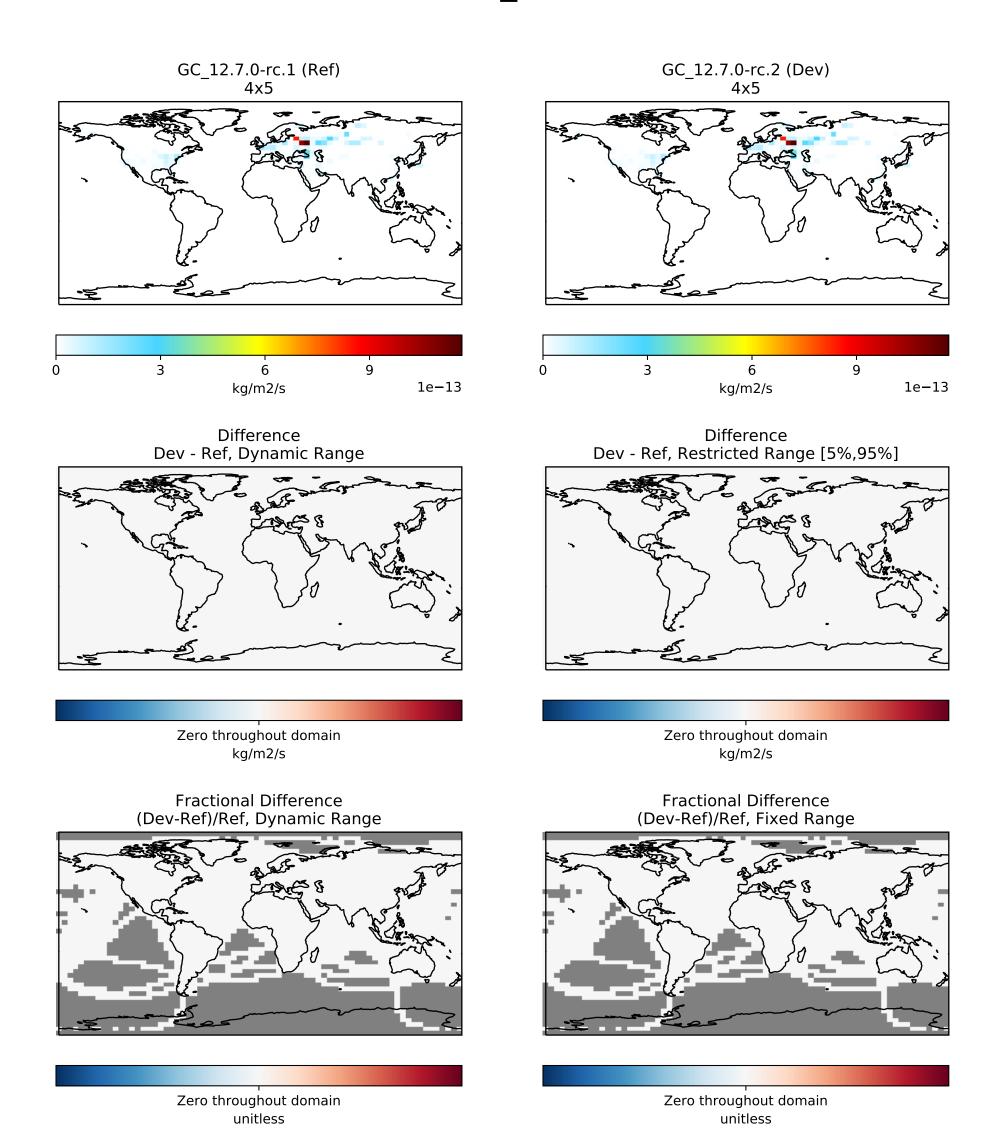
unitless

unitless

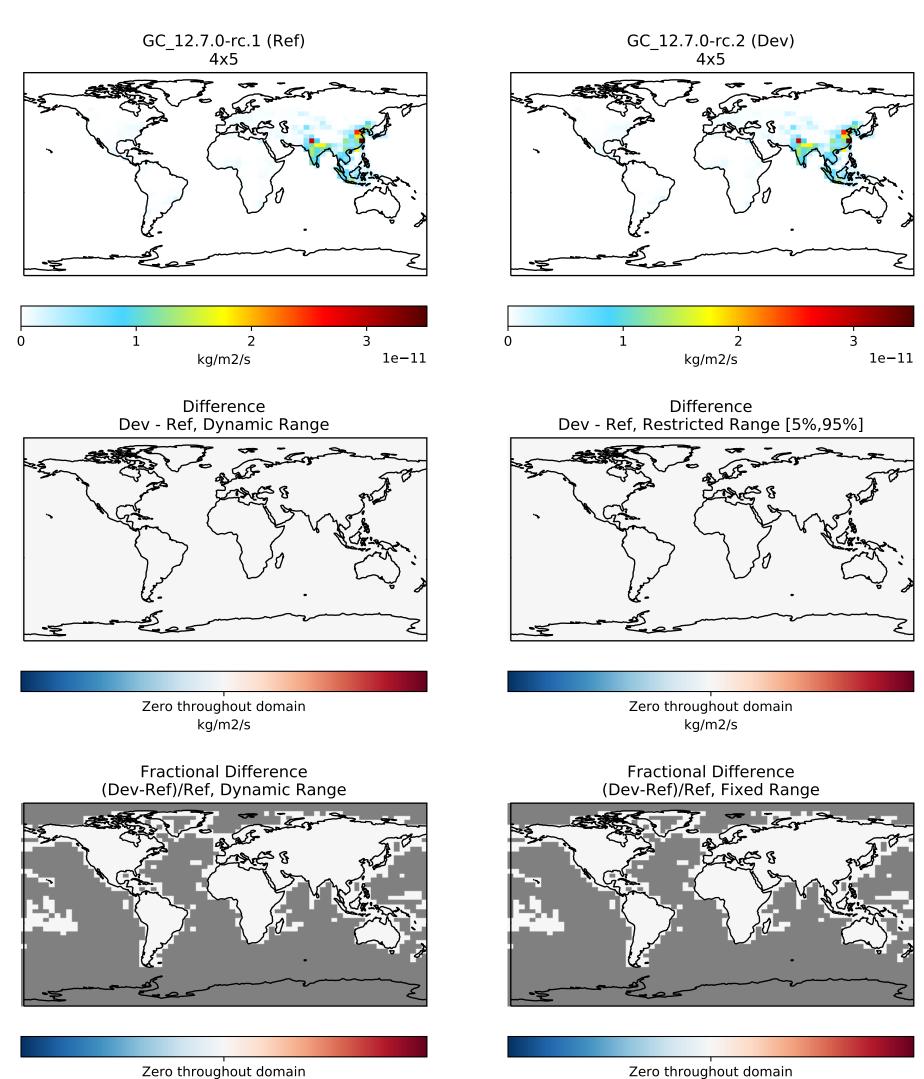
EmisC3H8_Total



EmisPRPE_Aircraft



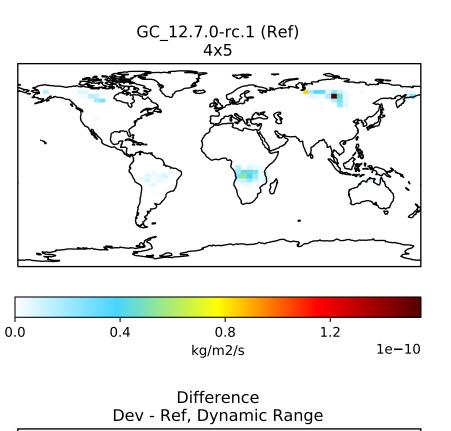
EmisPRPE_Anthro

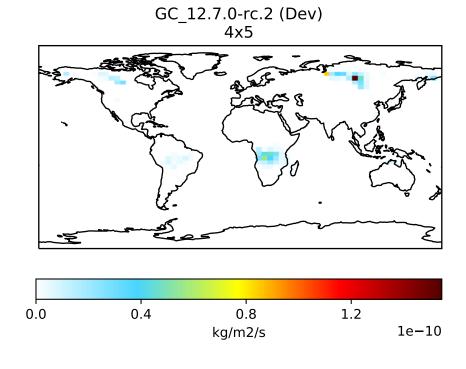


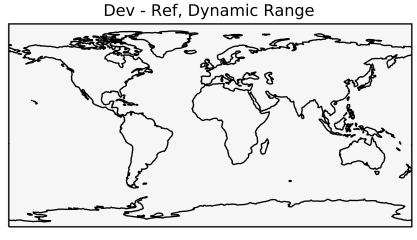
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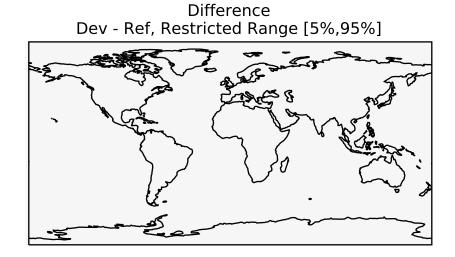
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EmisPRPE_BioBurn



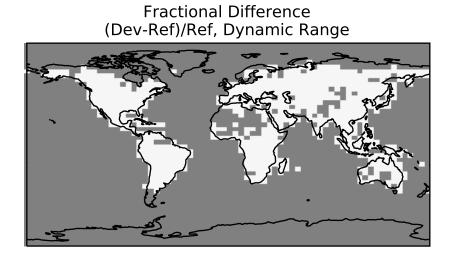




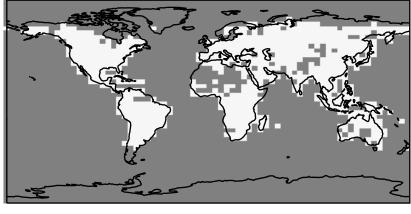


Zero throughout domain kg/m2/s

Zero throughout domain kg/m2/s



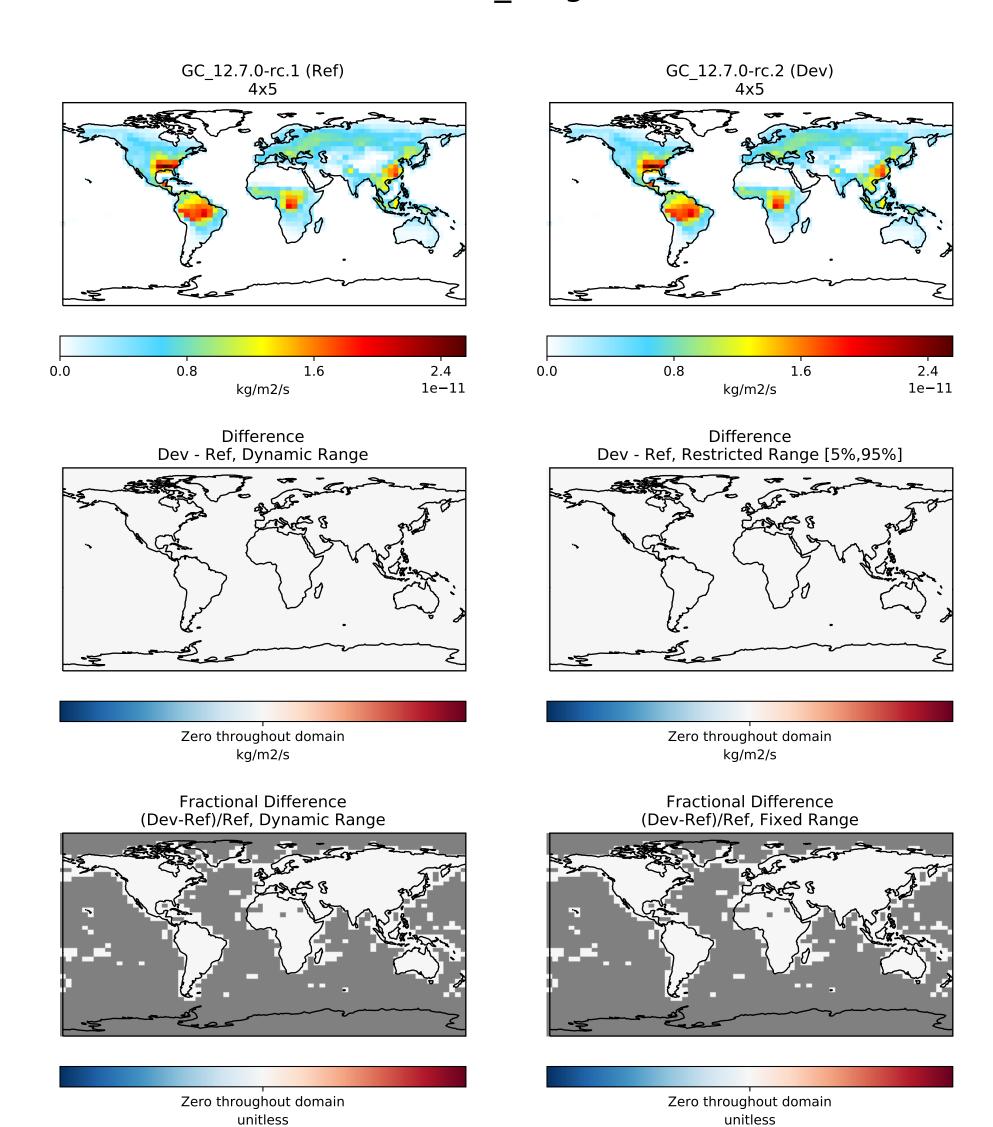
Fractional Difference (Dev-Ref)/Ref, Fixed Range



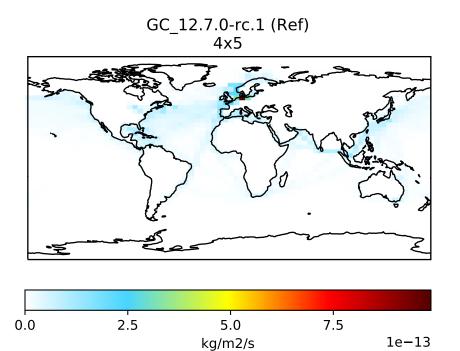
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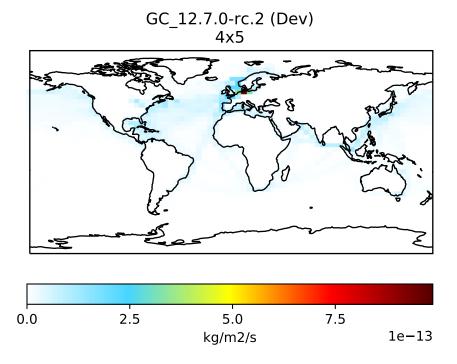
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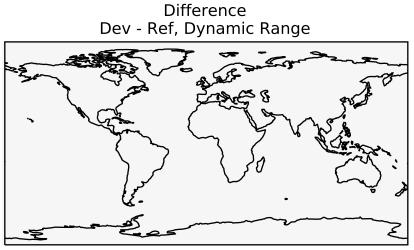
EmisPRPE_Biogenic

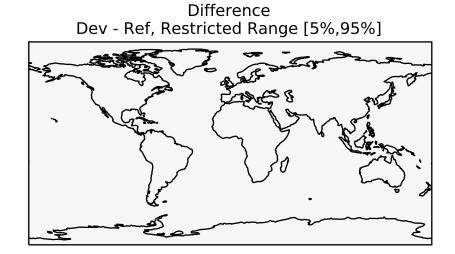


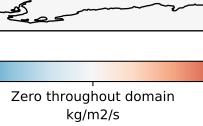
EmisPRPE_Ship



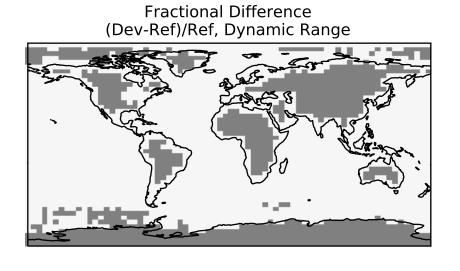




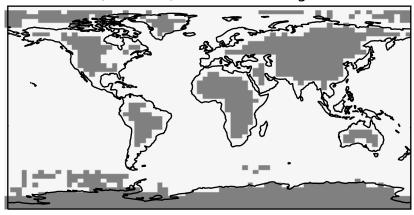




Zero throughout domain kg/m2/s



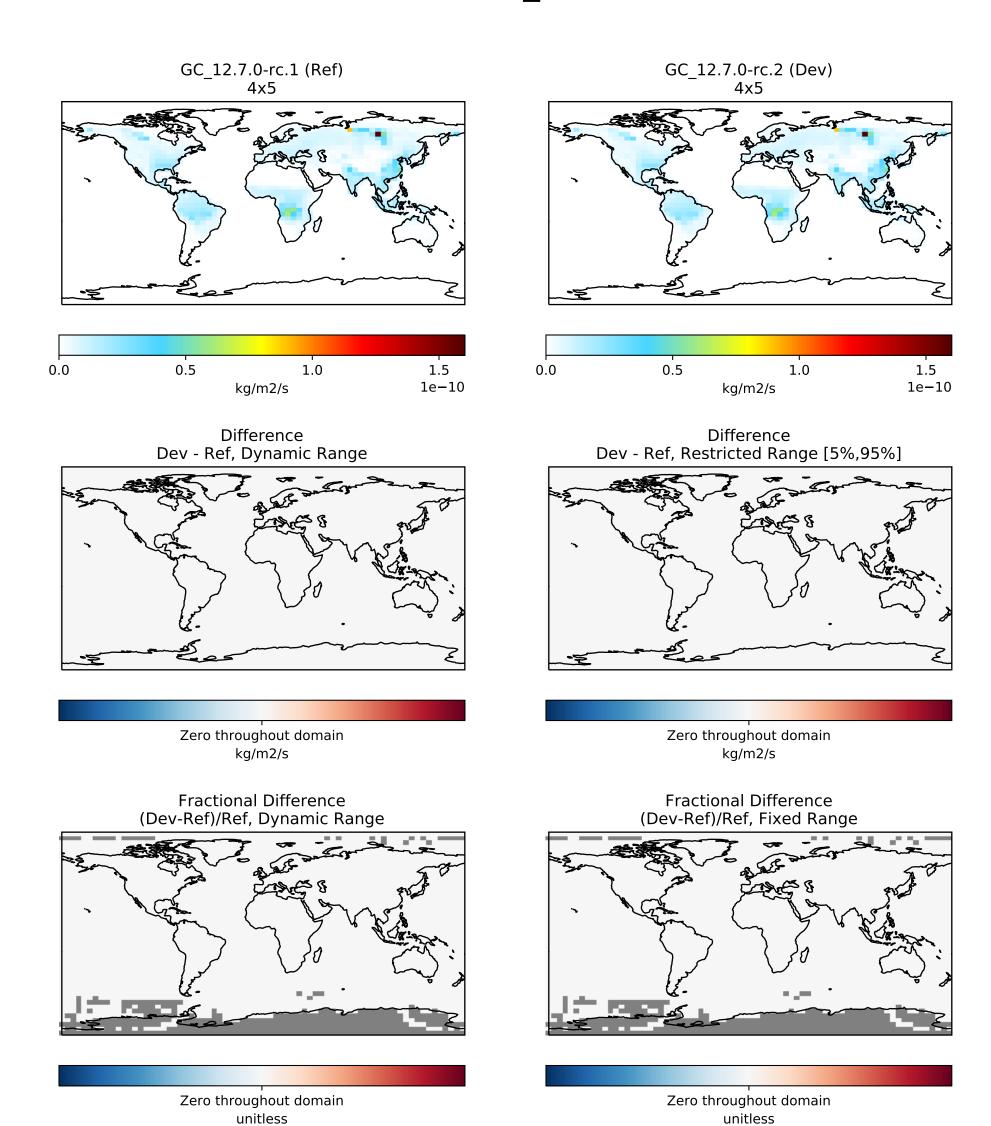
Fractional Difference (Dev-Ref)/Ref, Fixed Range



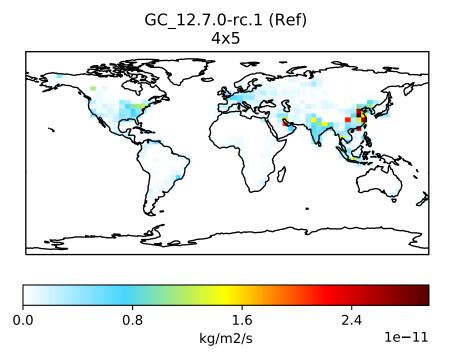
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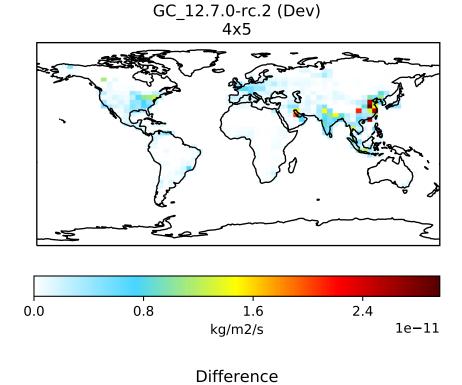
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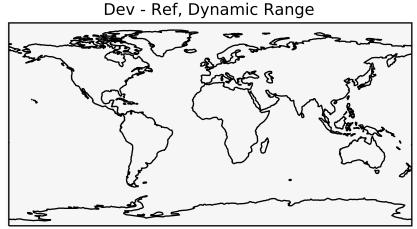
EmisPRPE_Total



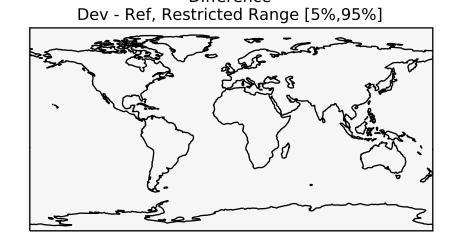
EmisTOLU_Anthro







Difference

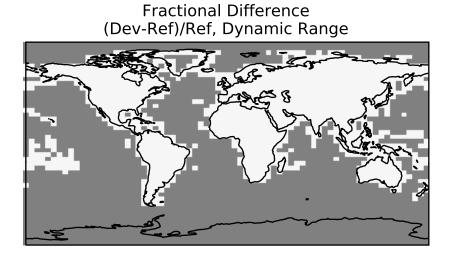


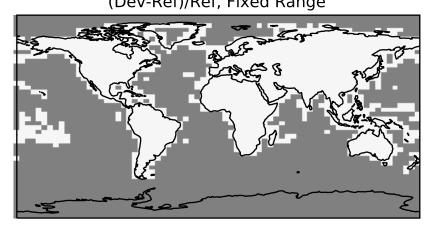
Zero throughout domain kg/m2/s

Fractional Difference (Dev-Ref)/Ref, Fixed Range

Zero throughout domain

kg/m2/s





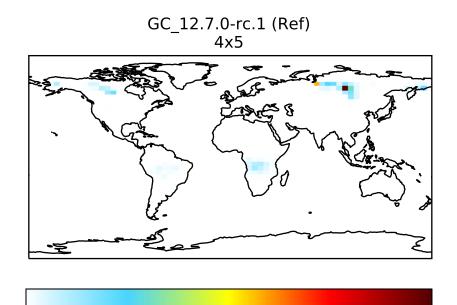
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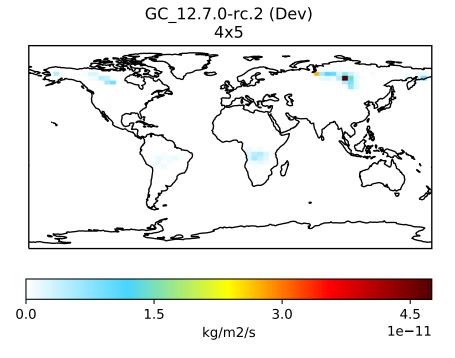
EmisTOLU_BioBurn

4.5

1e-11



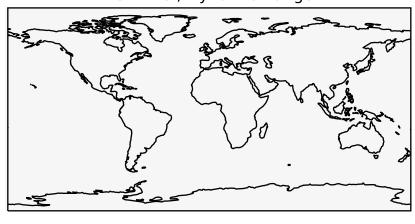
3.0





1.5

0.0



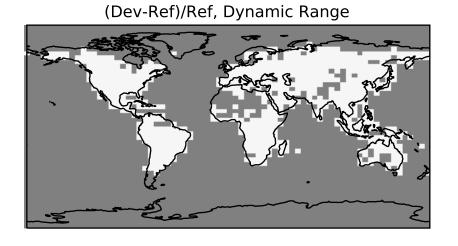
Dev - Ref, Restricted Range [5%,95%]

Difference

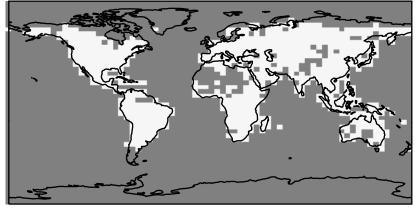
Zero throughout domain kg/m2/s

Fractional Difference

Zero throughout domain kg/m2/s



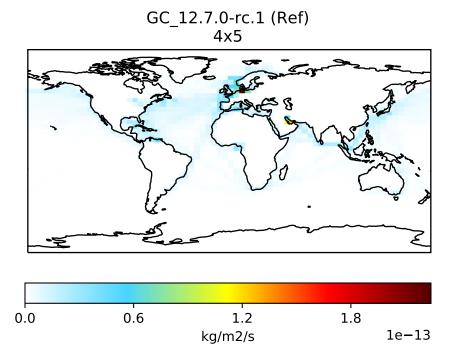
Fractional Difference (Dev-Ref)/Ref, Fixed Range

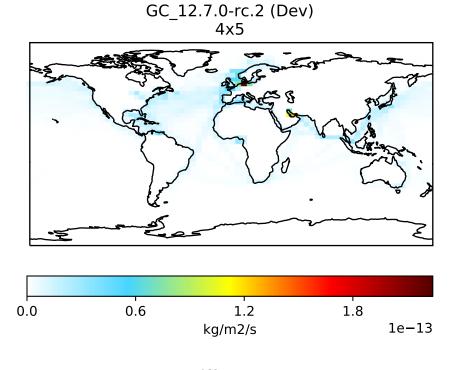


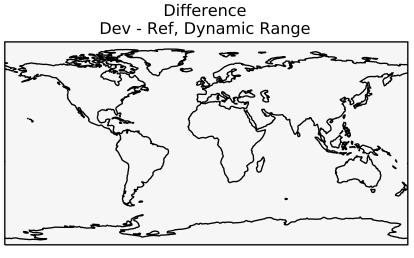
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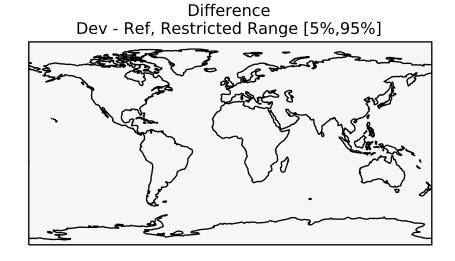
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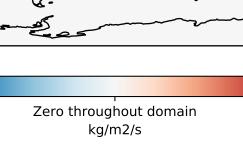
EmisTOLU_Ship





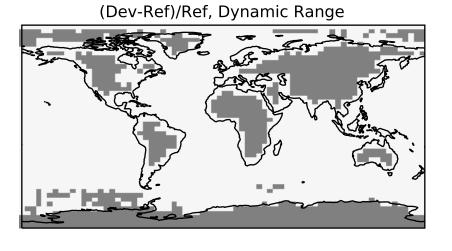




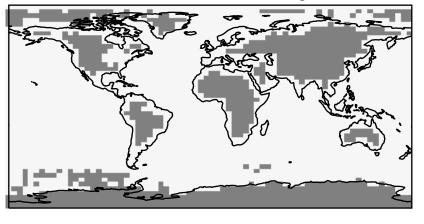


Fractional Difference

Zero throughout domain kg/m2/s



Fractional Difference (Dev-Ref)/Ref, Fixed Range



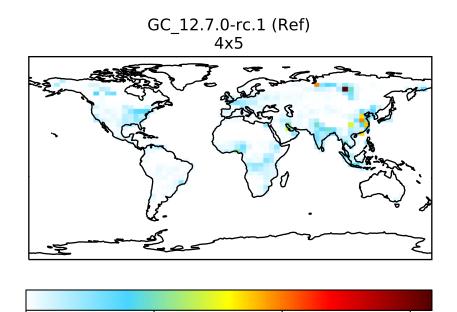
Zero throughout domain unitless

Zero throughout domain unitless

EmisTOLU_Total

4.5

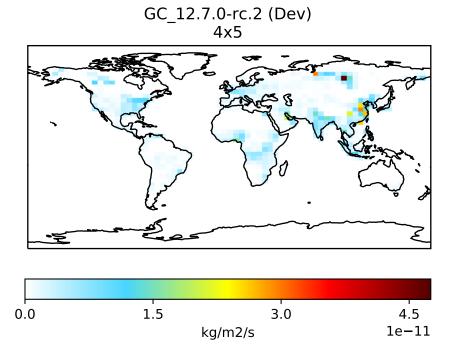
1e-11

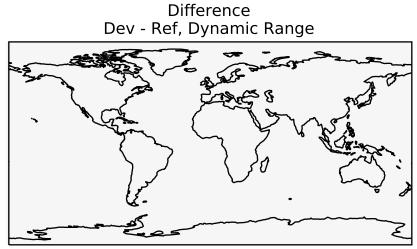


3.0

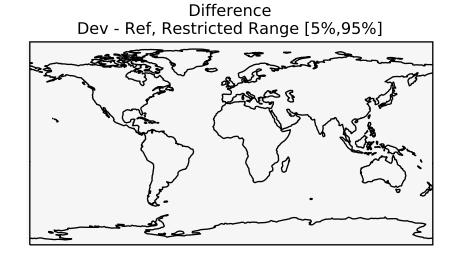
1.5

0.0



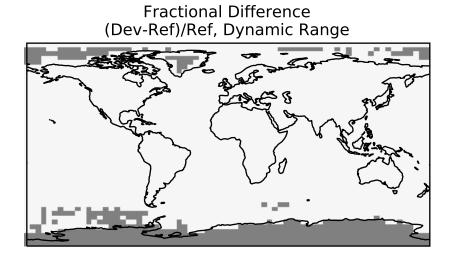


kg/m2/s

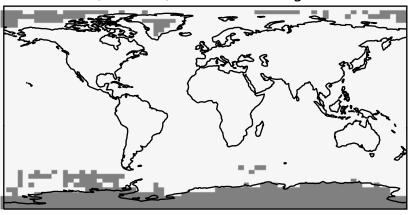


Zero throughout domain kg/m2/s

Zero throughout domain kg/m2/s



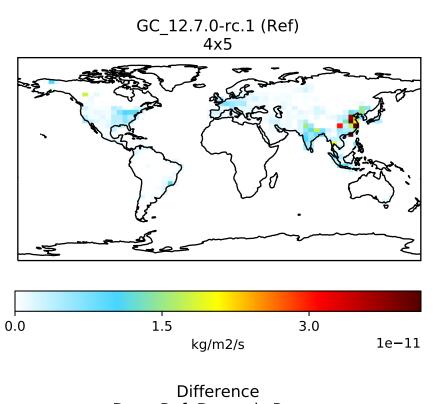
Fractional Difference (Dev-Ref)/Ref, Fixed Range

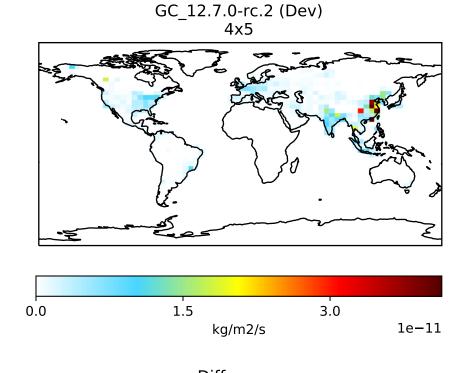


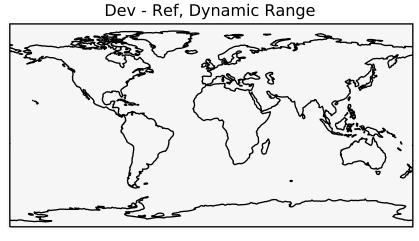
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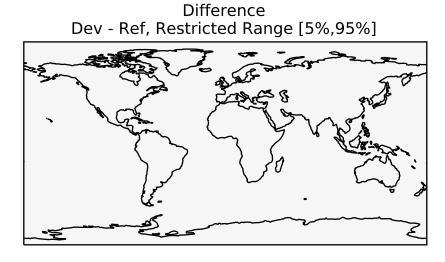
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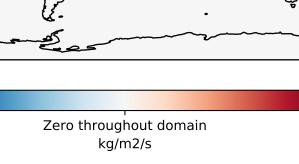
${\bf Emis XYLE_Anthro}$



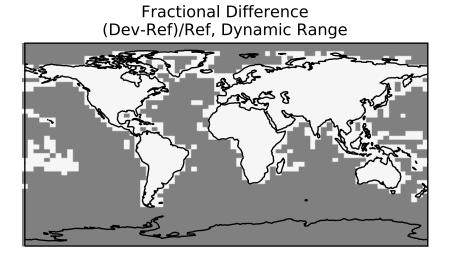




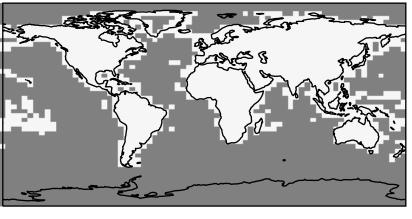




Zero throughout domain kg/m2/s



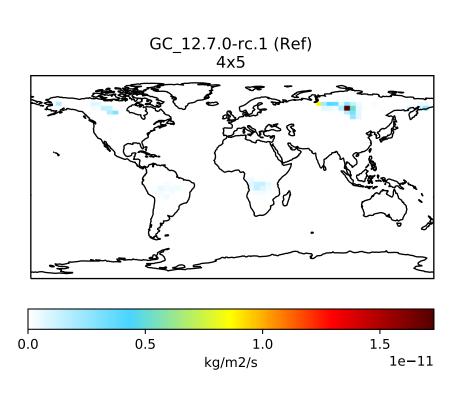
Fractional Difference (Dev-Ref)/Ref, Fixed Range

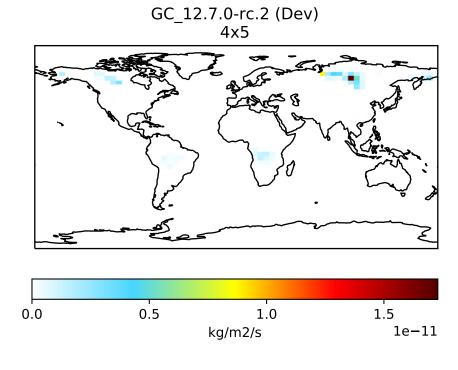


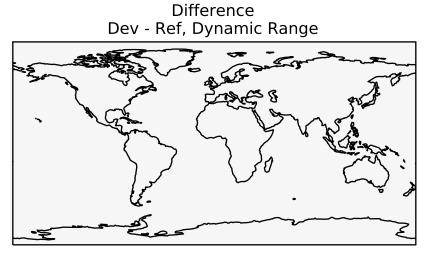
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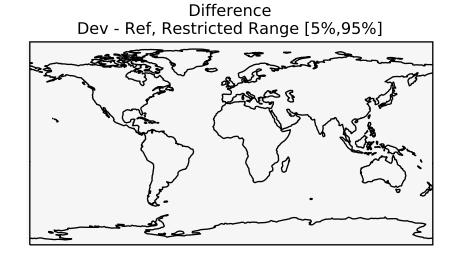
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EmisXYLE_BioBurn







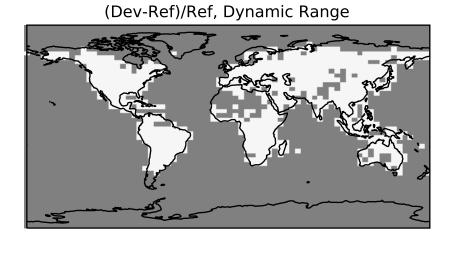


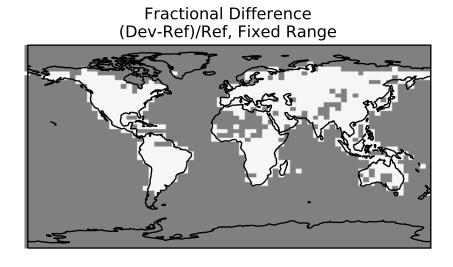
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Fractional Difference

kg/m2/s

Zero throughout domain





Zero throughout domain unitless

Zero throughout domain unitless

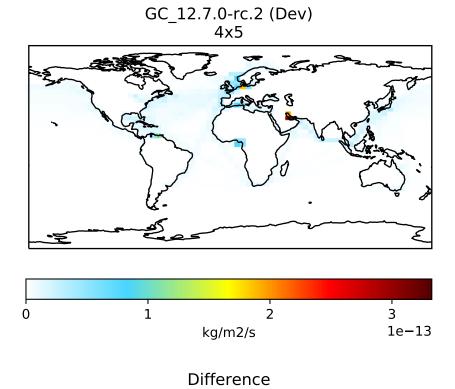
EmisXYLE_Ship

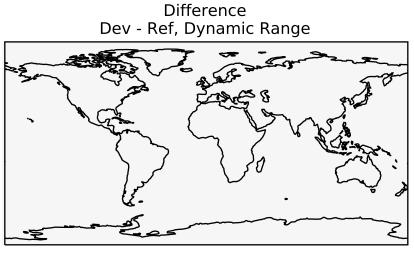
1e-13

GC_12.7.0-rc.1 (Ref)
4x5

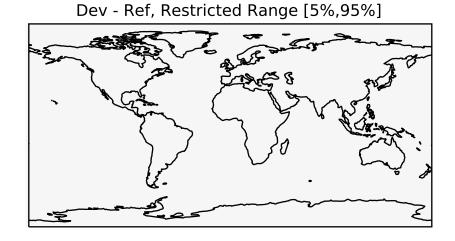
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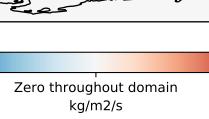
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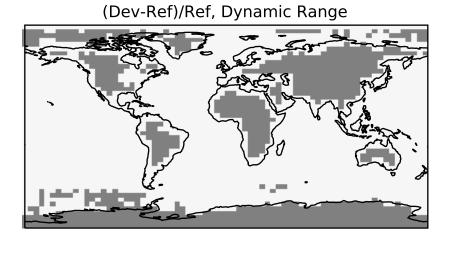
kg/m2/s



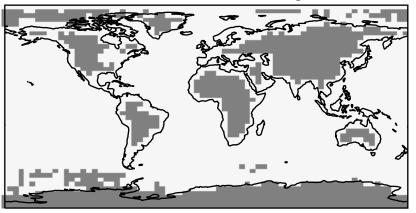


Fractional Difference

Zero throughout domain kg/m2/s



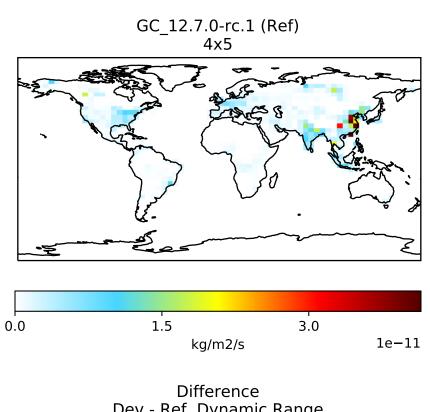
Fractional Difference (Dev-Ref)/Ref, Fixed Range

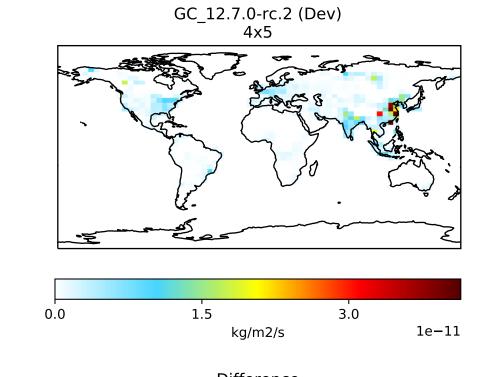


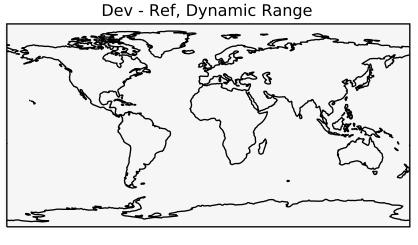
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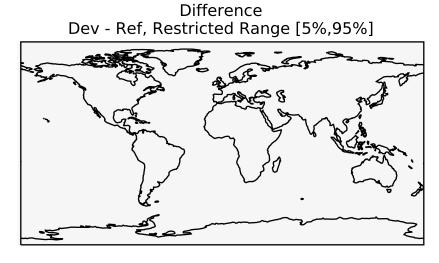
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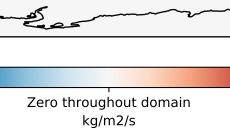
EmisXYLE_Total



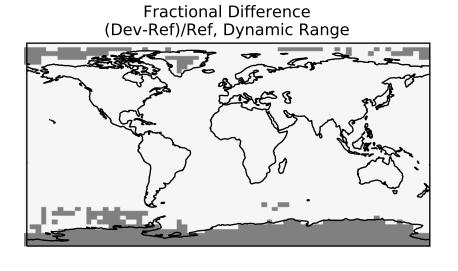




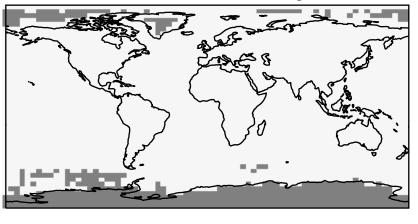




Zero throughout domain kg/m2/s



Fractional Difference (Dev-Ref)/Ref, Fixed Range

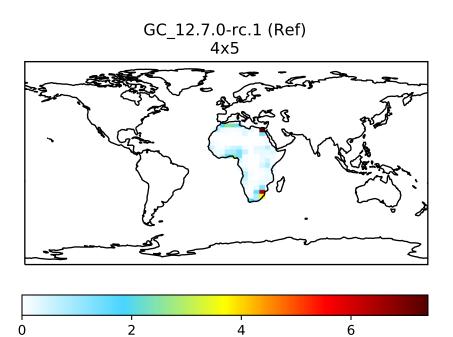


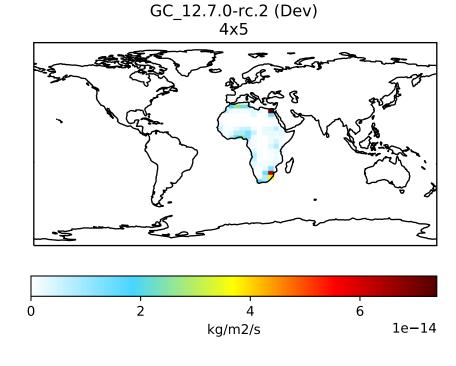
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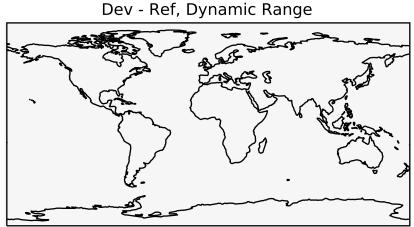
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EmisISOP_Anthro

1e-14

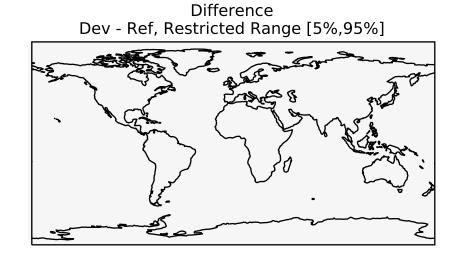


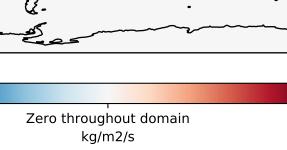




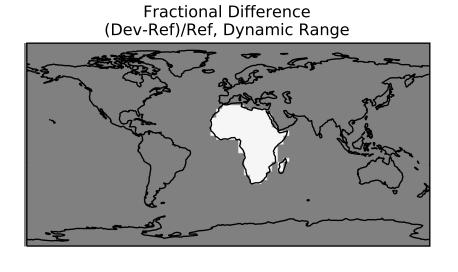
kg/m2/s

Difference

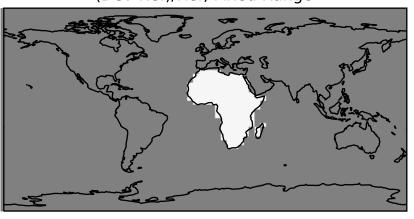




Zero throughout domain kg/m2/s



Fractional Difference (Dev-Ref)/Ref, Fixed Range

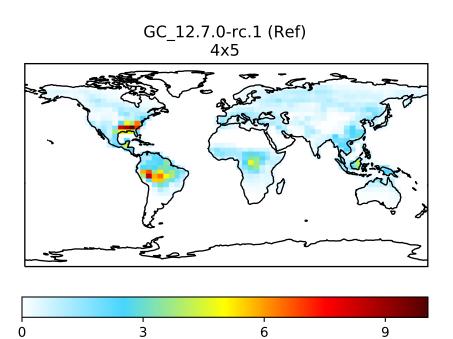


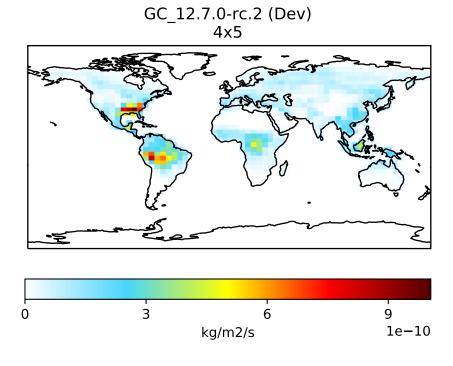
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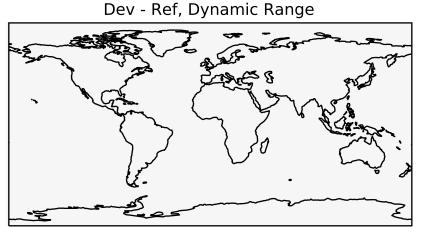
Zero throughout domain unitless

EmisISOP_Biogenic

1e-10

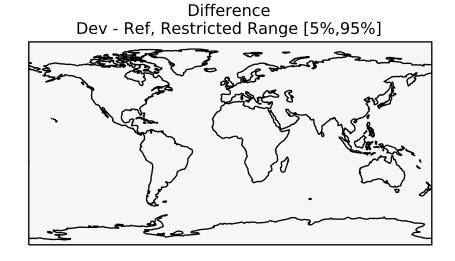


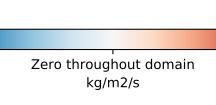




kg/m2/s

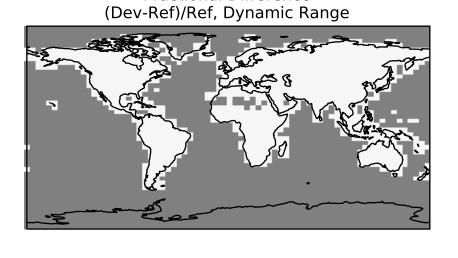
Difference



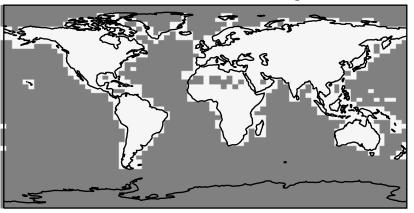


Fractional Difference

Zero throughout domain kg/m2/s



Fractional Difference (Dev-Ref)/Ref, Fixed Range

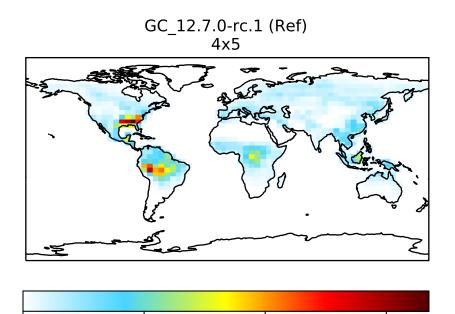


Zero throughout domain unitless

Zero throughout domain unitless

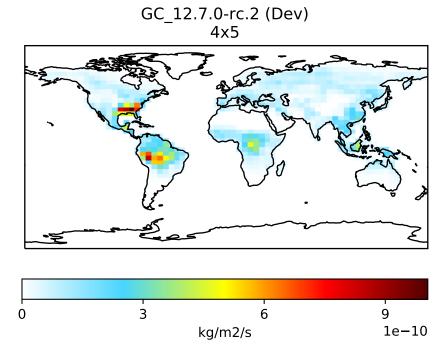
EmisISOP_Total

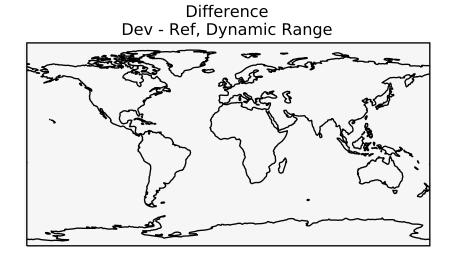
1e-10



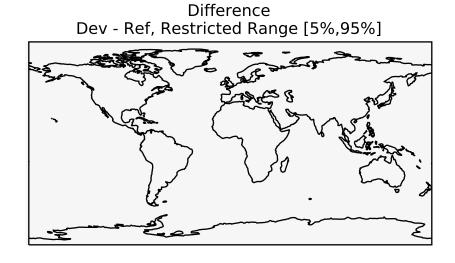
6

3



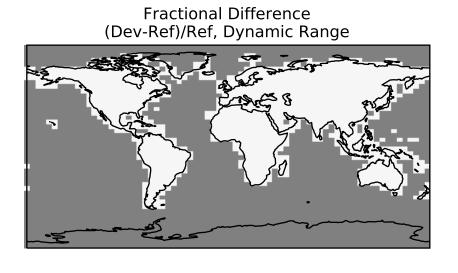


kg/m2/s

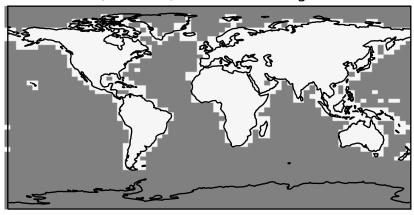


Zero throughout domain kg/m2/s

Zero throughout domain kg/m2/s



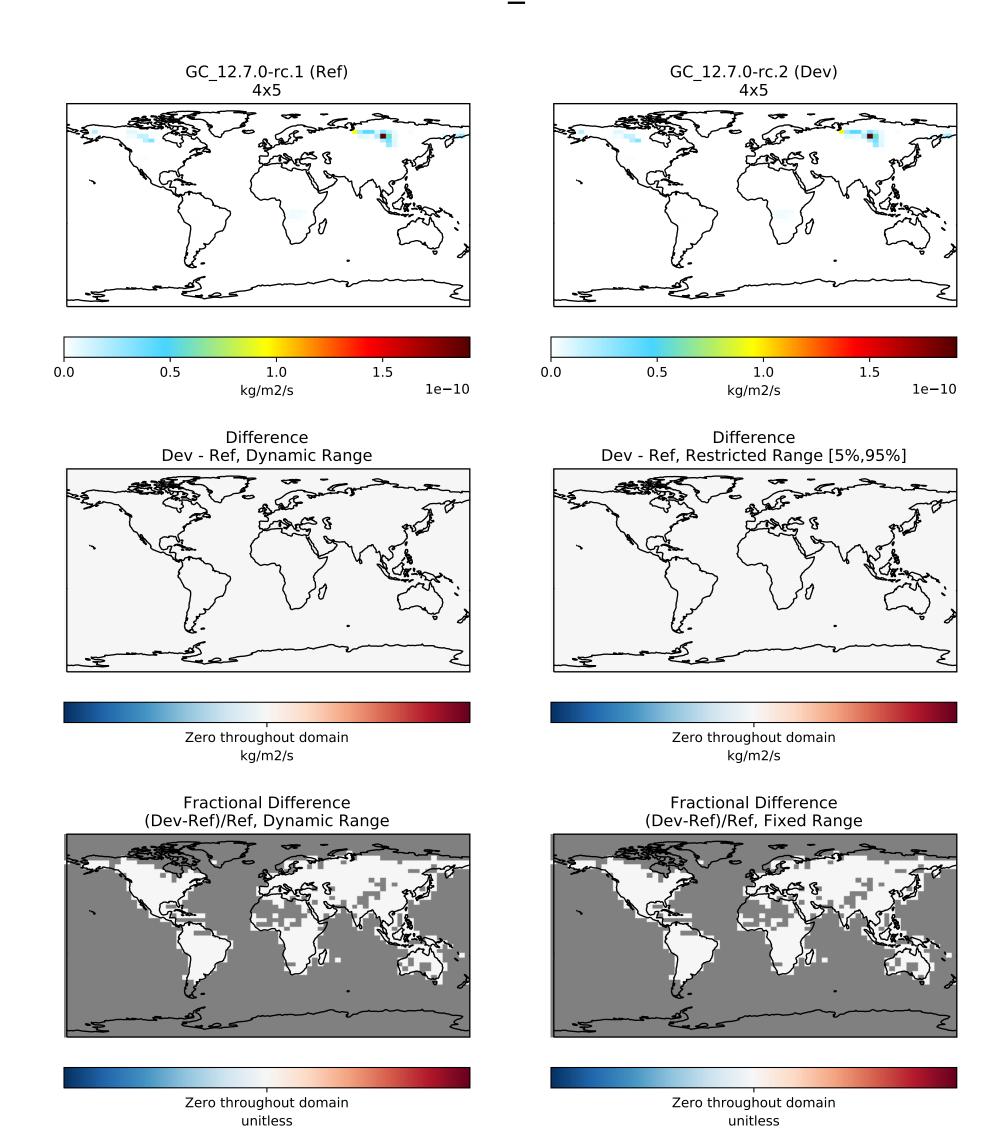
Fractional Difference (Dev-Ref)/Ref, Fixed Range



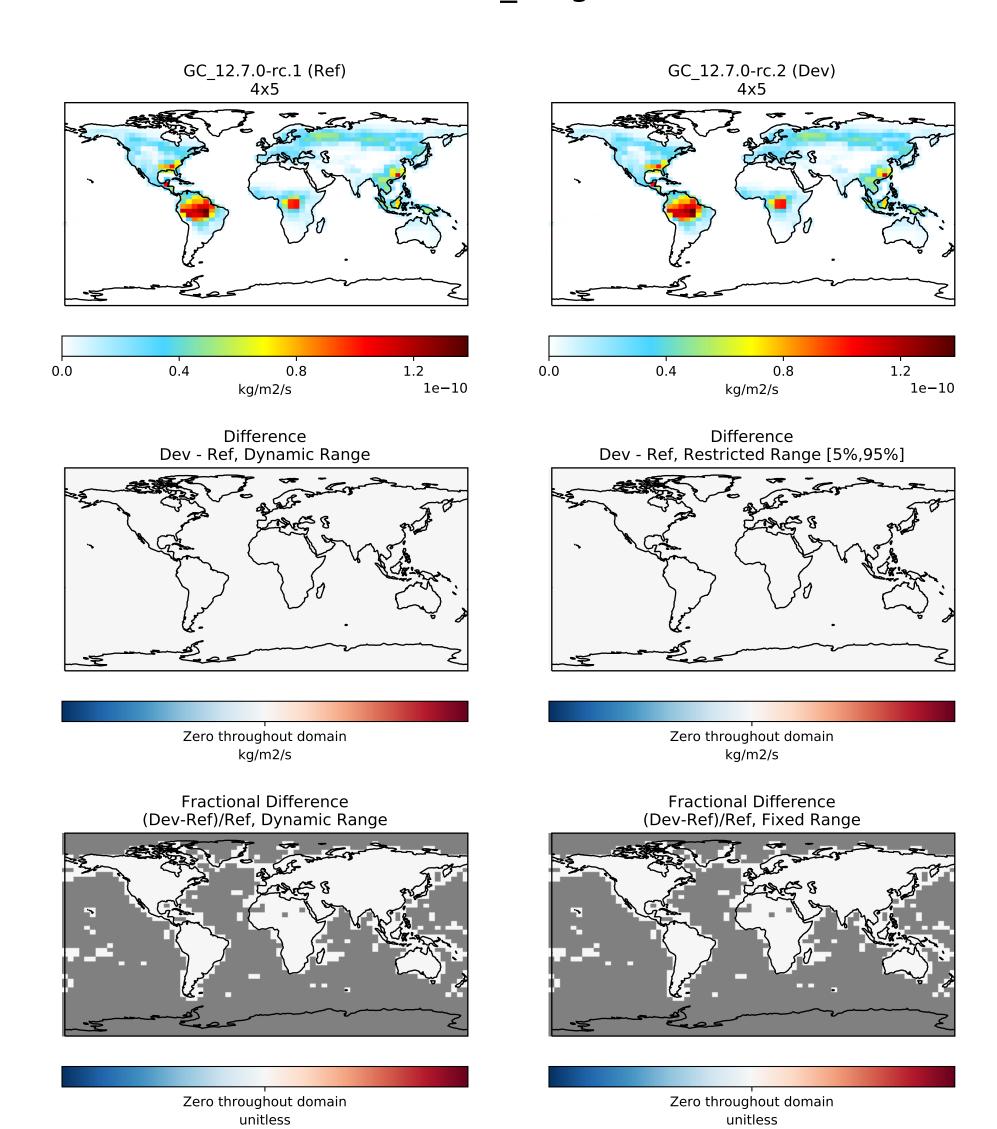
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Zero throughout domain unitless

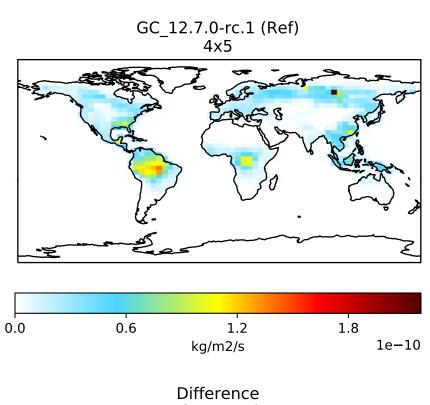
EmisMTPA_BioBurn

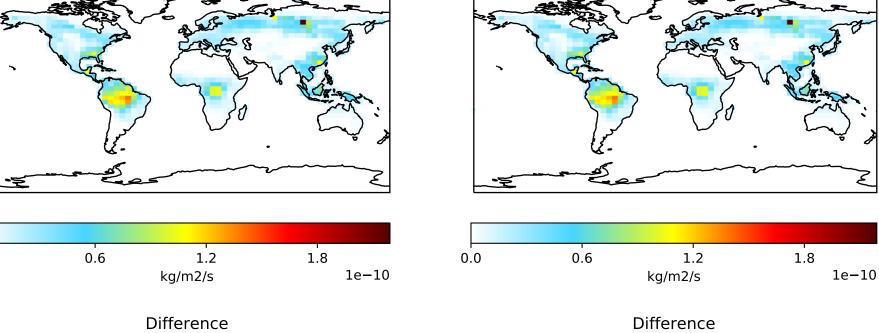


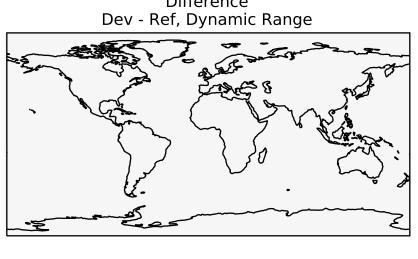
EmisMTPA_Biogenic

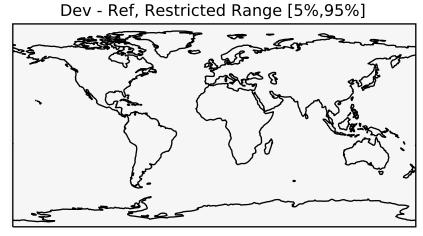


EmisMTPA_Total



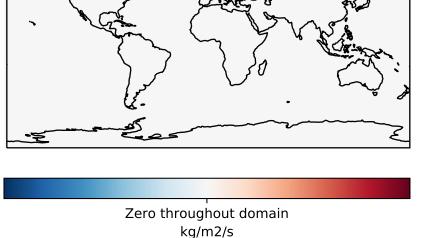




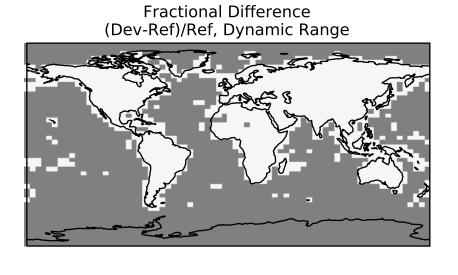


GC_12.7.0-rc.2 (Dev)

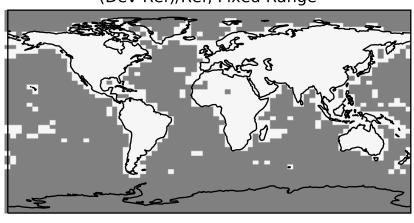
4x5



Zero throughout domain kg/m2/s



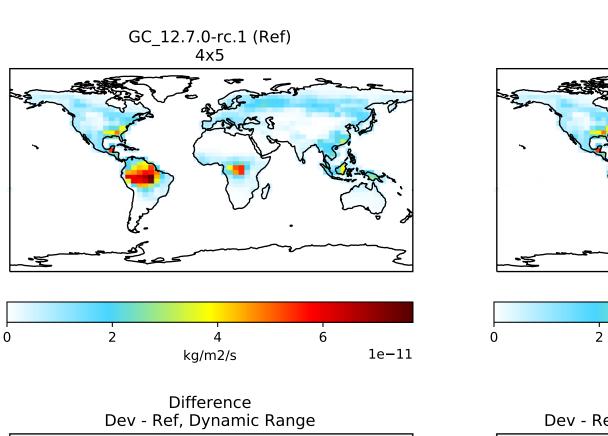
Fractional Difference (Dev-Ref)/Ref, Fixed Range

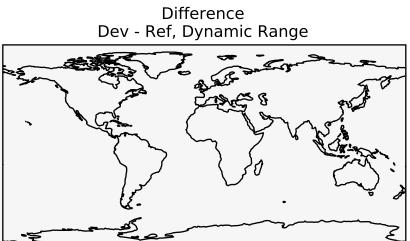


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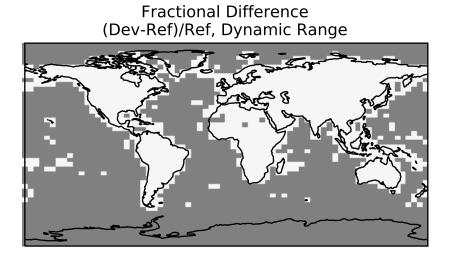
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EmisMTPO_Biogenic

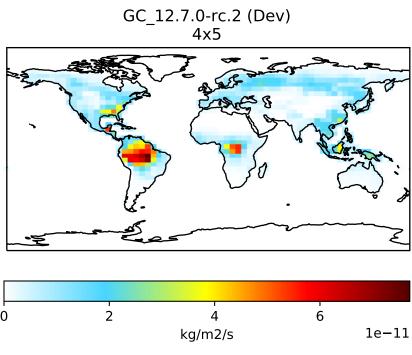




Zero throughout domain kg/m2/s



Zero throughout domain unitless



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

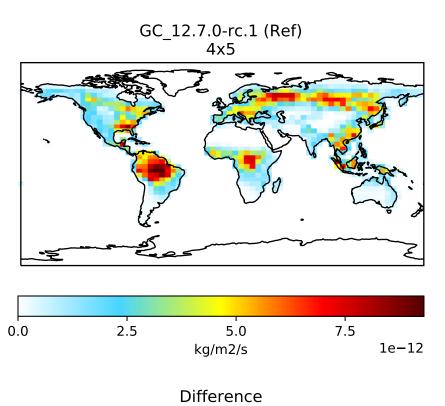
Zero throughout domain kg/m2/s

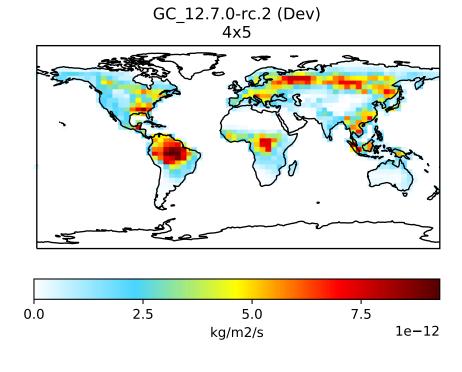
Fractional Difference

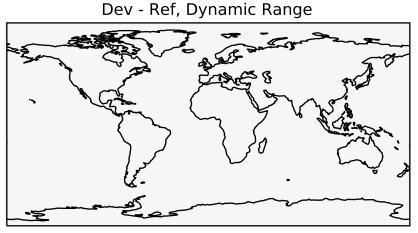
(Dev-Ref)/Ref, Fixed Range

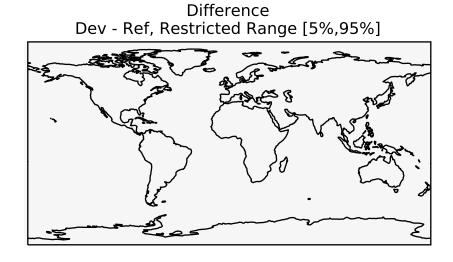
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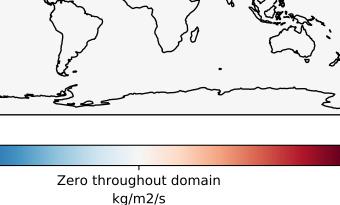
EmisLIMO_Biogenic



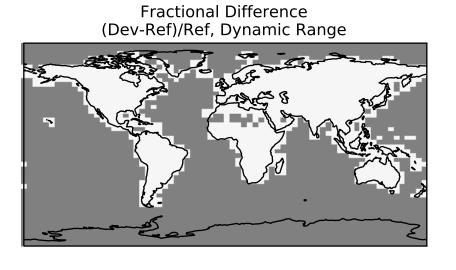




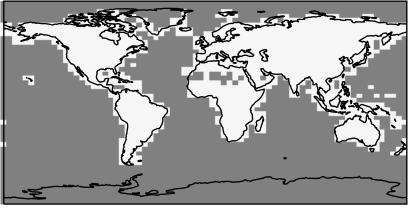




Zero throughout domain kg/m2/s



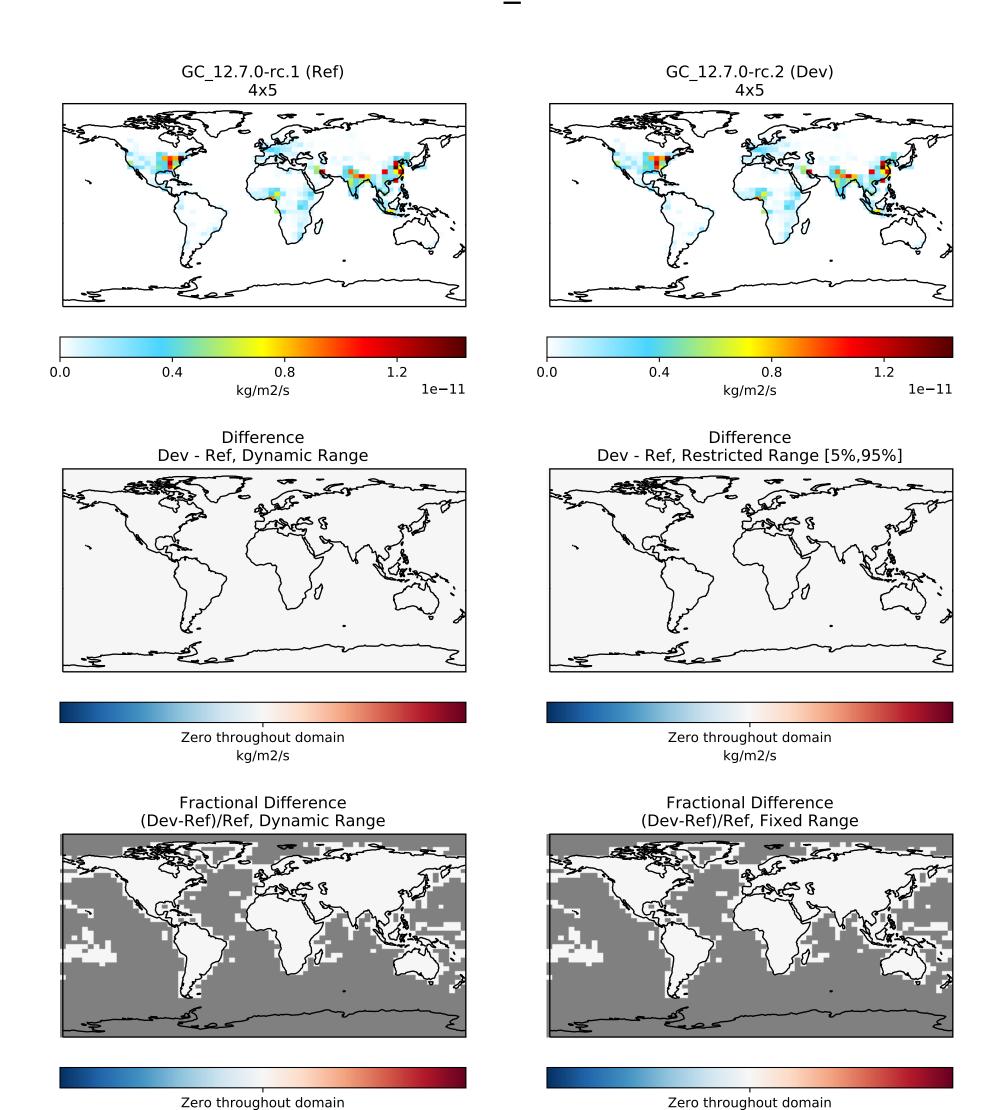
Fractional Difference (Dev-Ref)/Ref, Fixed Range



Zero throughout domain unitless

Zero throughout domain unitless

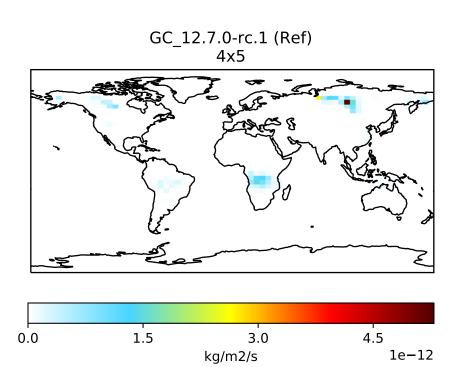
${\sf EmisEOH_Anthro}$



unitless

unitless

EmisEOH_BioBurn



GC_12.7.0-rc.2 (Dev)
4x5

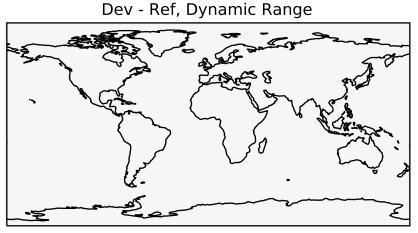
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1.5

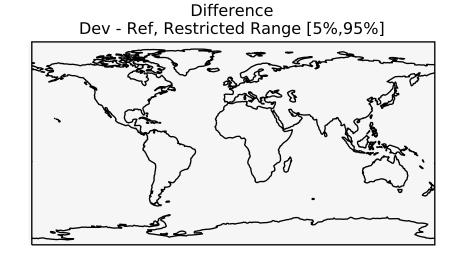
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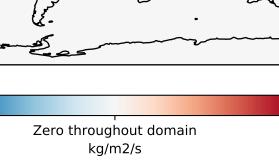
kg/m2/s

1e-12

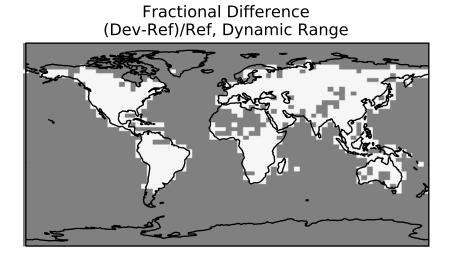


Difference

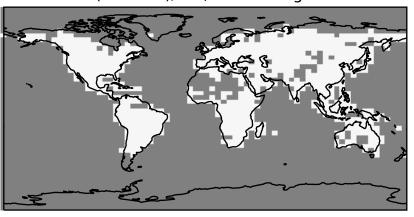




Zero throughout domain kg/m2/s



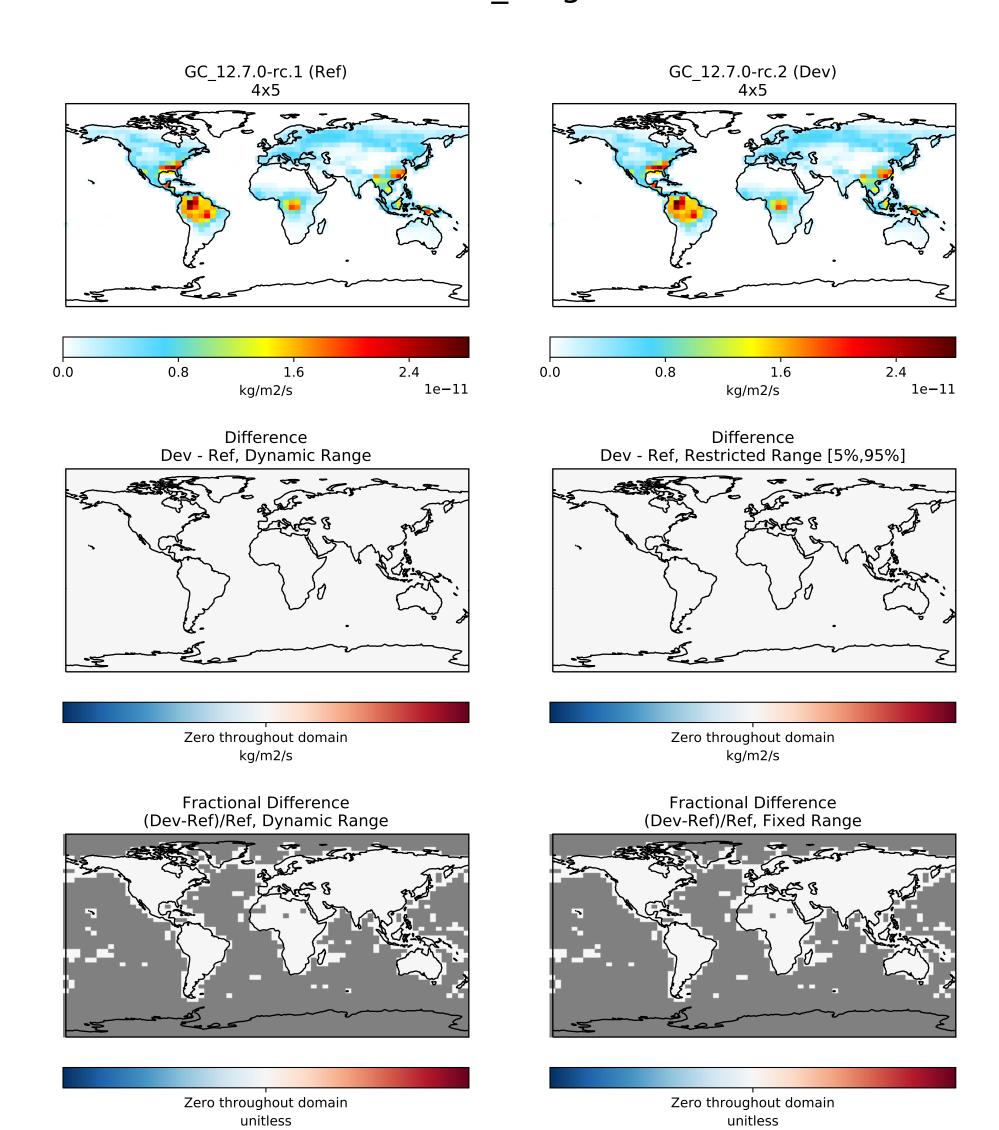
Fractional Difference (Dev-Ref)/Ref, Fixed Range



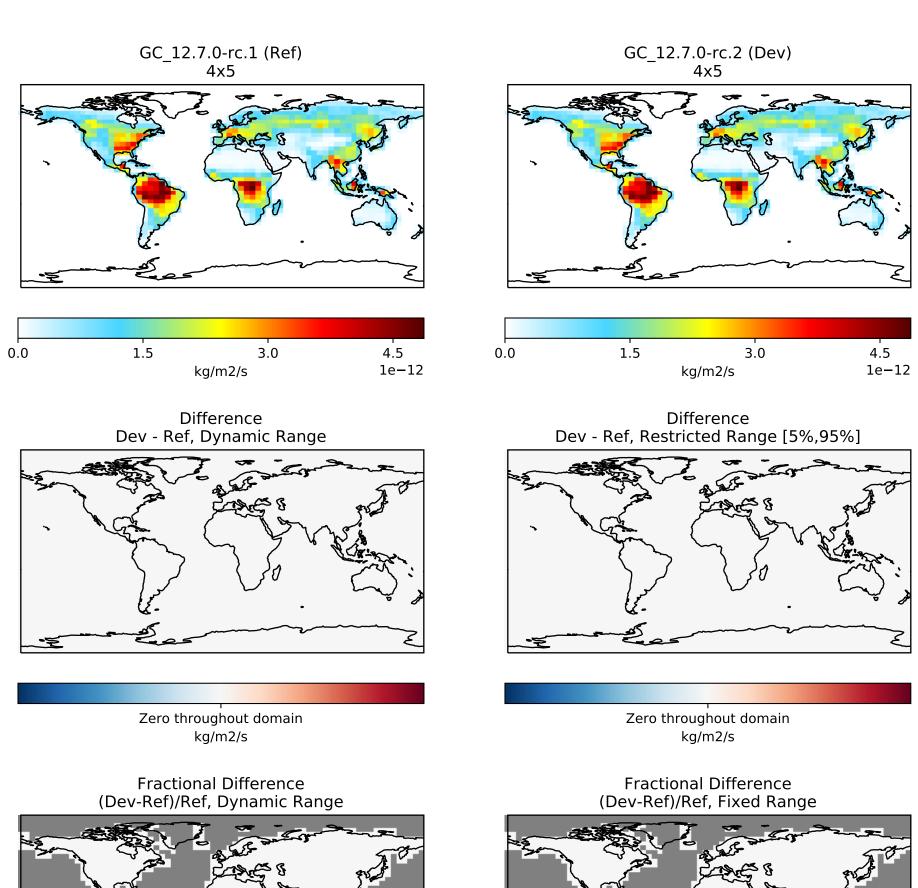
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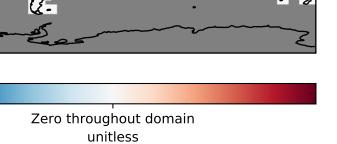
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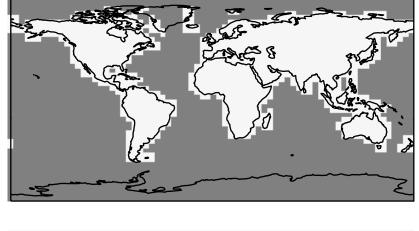
EmisEOH_Biogenic



EmisEOH_PlantDecay



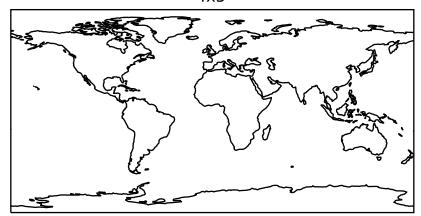




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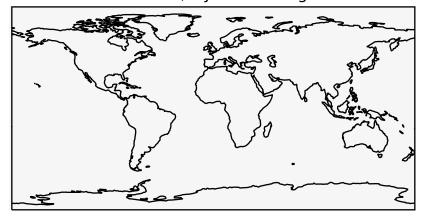
EmisEOH_Ship

GC_12.7.0-rc.1 (Ref) 4x5



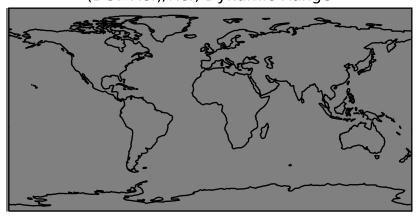
Zero throughout domain kg/m2/s

Difference Dev - Ref, Dynamic Range



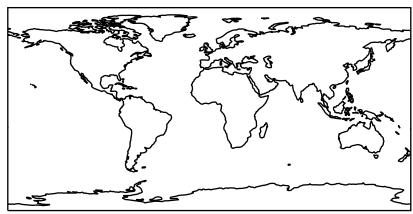
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Fractional Difference (Dev-Ref)/Ref, Dynamic Range



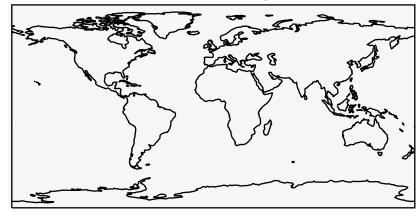
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GC_12.7.0-rc.2 (Dev) 4x5



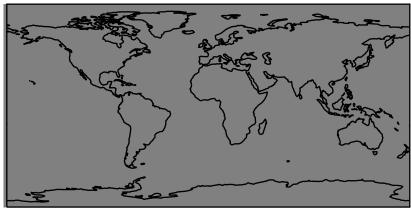
Zero throughout domain kg/m2/s

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



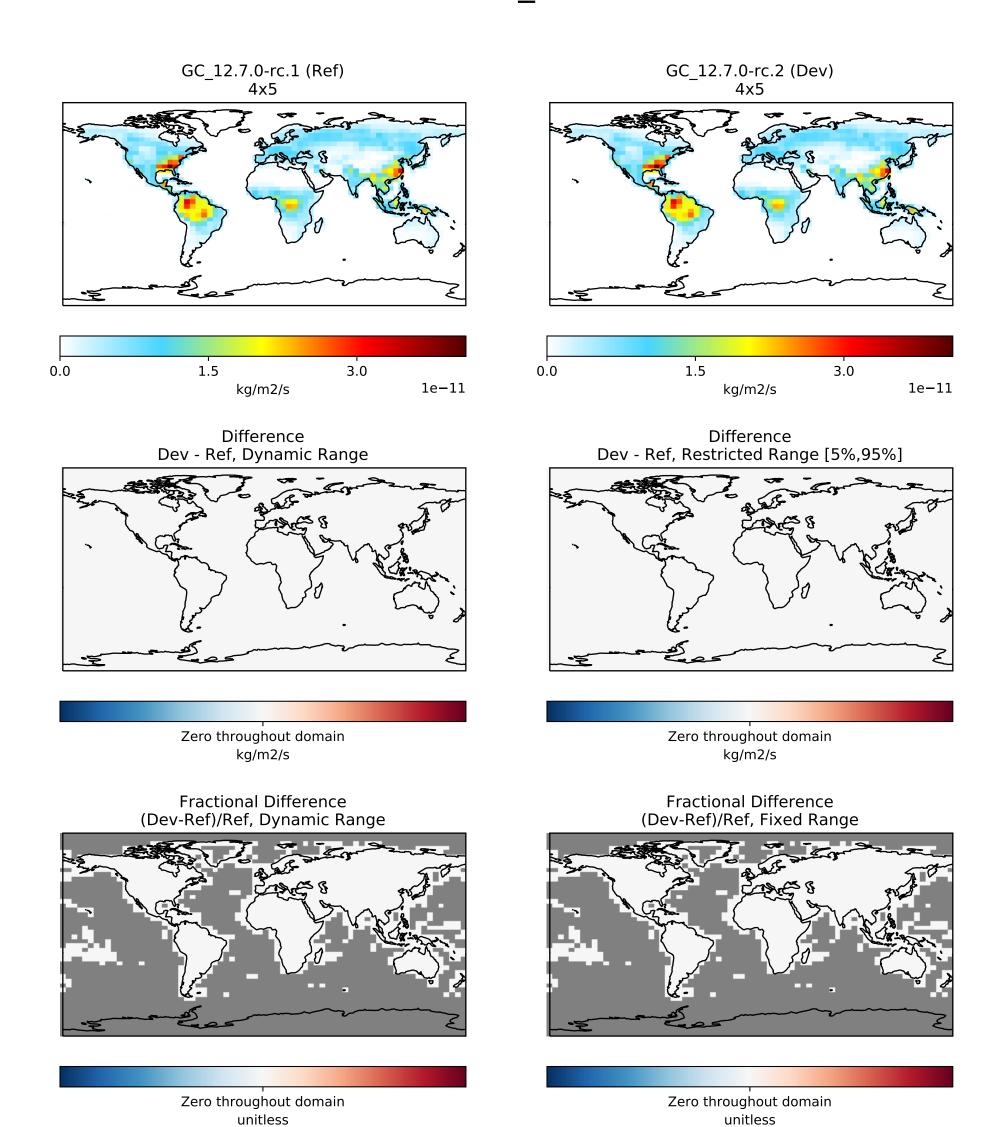
Zero throughout domain kg/m2/s

Fractional Difference (Dev-Ref)/Ref, Fixed Range

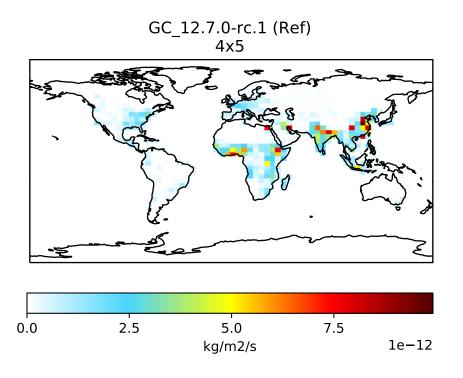


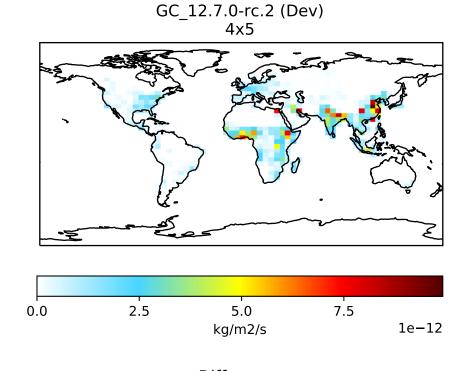
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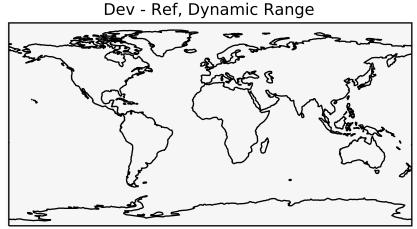
EmisEOH_Total



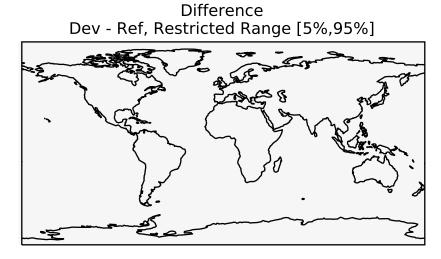
${\sf EmisMOH_Anthro}$

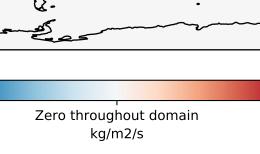




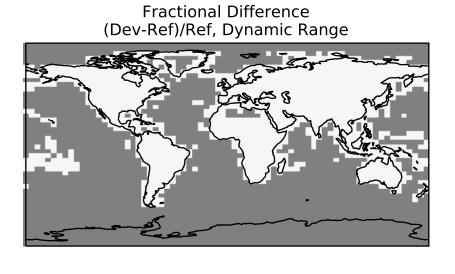


Difference

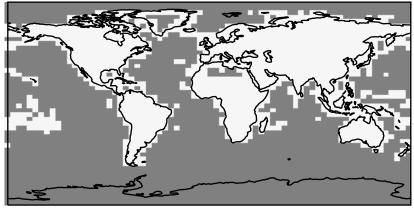




Zero throughout domain kg/m2/s



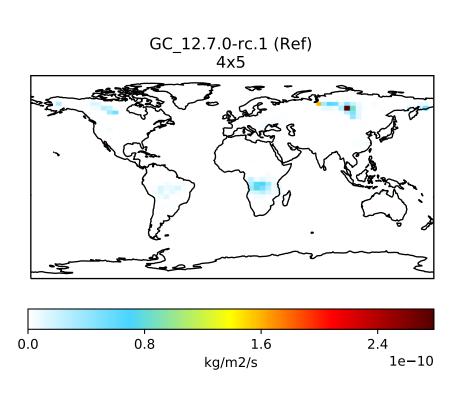
Fractional Difference (Dev-Ref)/Ref, Fixed Range

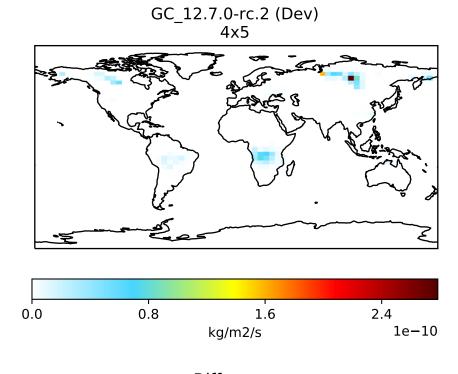


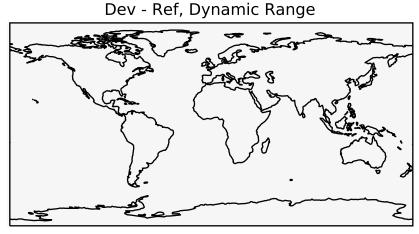
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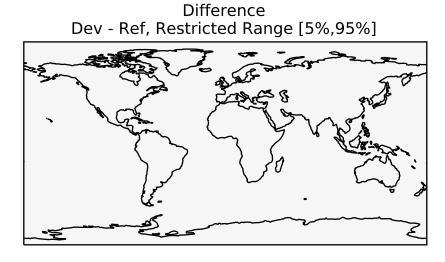
EmisMOH_BioBurn

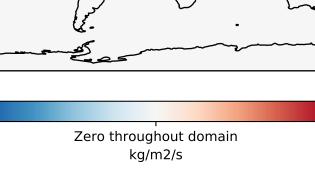




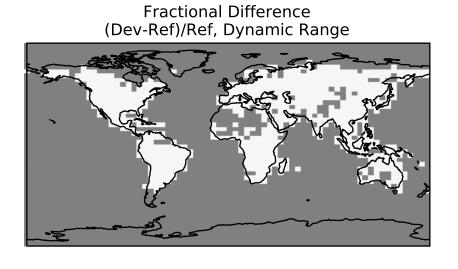


Difference

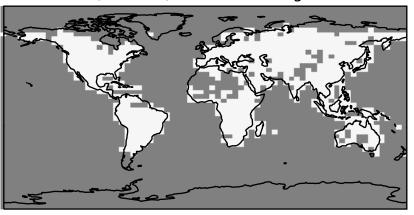




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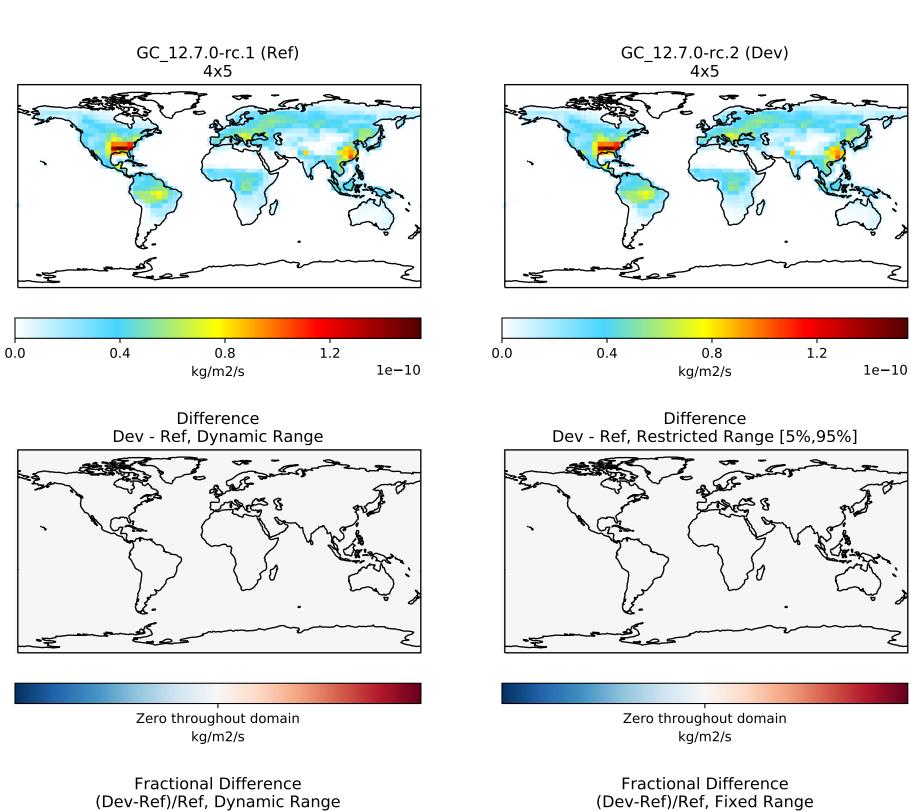
Fractional Difference (Dev-Ref)/Ref, Fixed Range



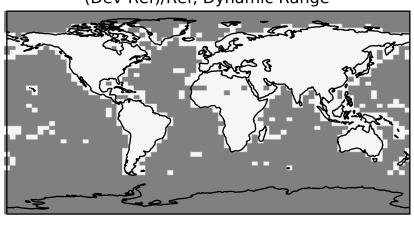
Zero throughout domain unitless

Zero throughout domain unitless

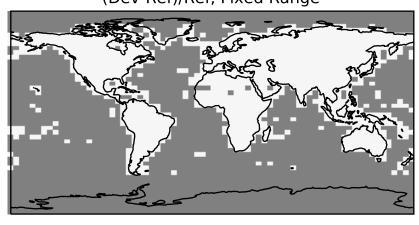
EmisMOH_Biogenic



(Dev-Ref)/Ref, Dynamic Range

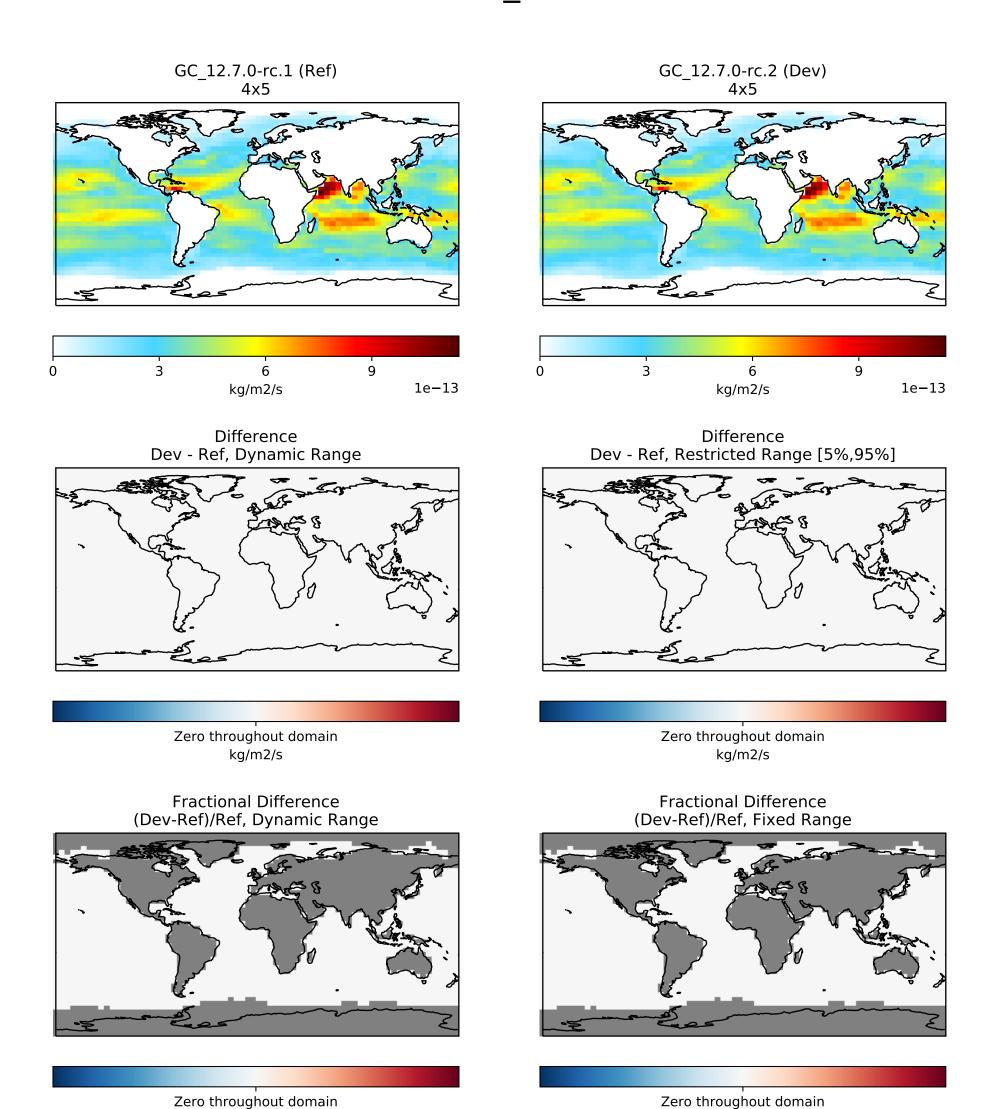


Zero throughout domain unitless



Zero throughout domain unitless

EmisMOH_Ocean

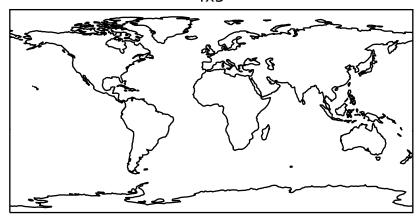


unitless

unitless

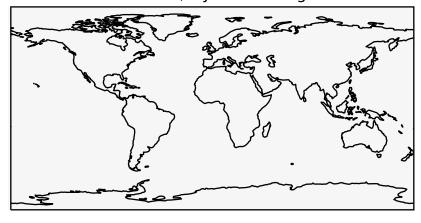
EmisMOH_Ship

GC_12.7.0-rc.1 (Ref) 4x5



Zero throughout domain kg/m2/s

Difference Dev - Ref, Dynamic Range



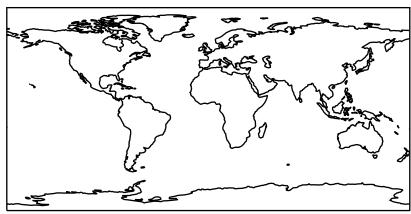
Zero throughout domain kg/m2/s

Fractional Difference (Dev-Ref)/Ref, Dynamic Range



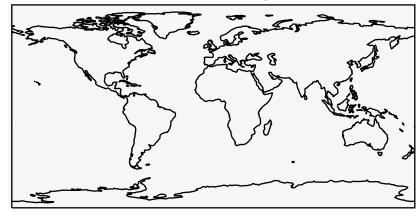
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GC_12.7.0-rc.2 (Dev) 4x5



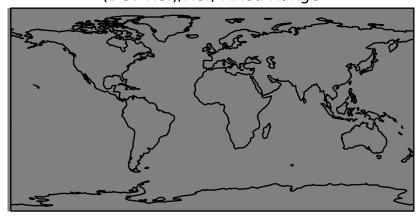
Zero throughout domain kg/m2/s

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



Zero throughout domain kg/m2/s

Fractional Difference (Dev-Ref)/Ref, Fixed Range



Undefined throughout domain unitless

EmisMOH_Total

