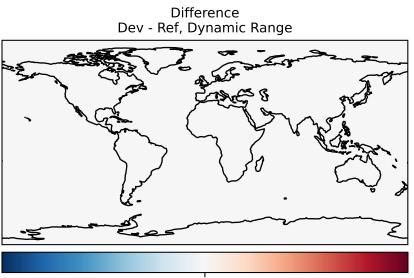
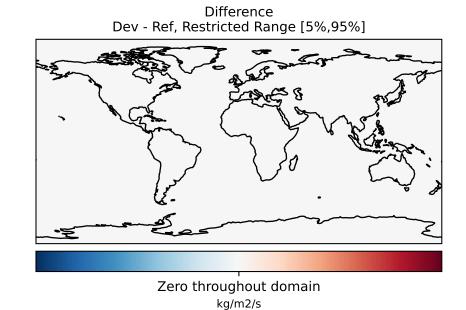
EmisDST1_Anthro (AnnualMean)

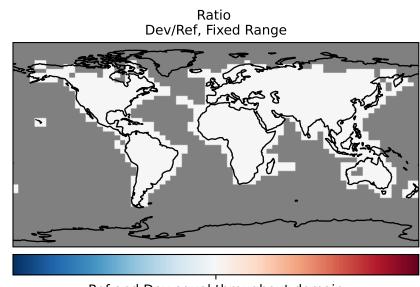
gcc-14.3.0-rc.0 (Ref) 4.0x5.0 2 kg/m2/s 1e-11

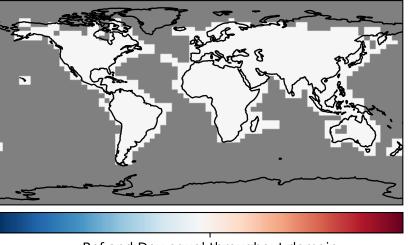
gcc-14.4.0-rc.0 (Dev) 4.0x5.0 2 kg/m2/s 1e-11





Zero throughout domain kg/m2/s Ratio Dev/Ref, Dynamic Range





Ref and Dev equal throughout domain unitless

Ref and Dev equal throughout domain unitless

EmisDST1_Natural (AnnualMean)

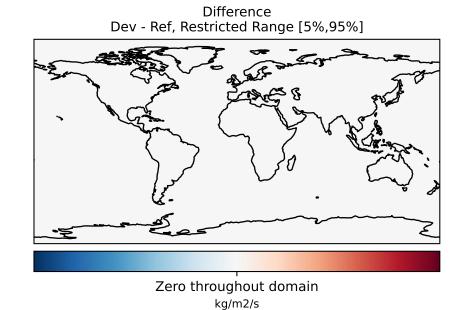
gcc-14.3.0-rc.0 (Ref) 4.0x5.0 2 kg/m2/s 1e-10

gcc-14.4.0-rc.0 (Dev) 4.0x5.0 2 kg/m2/s 1e-10

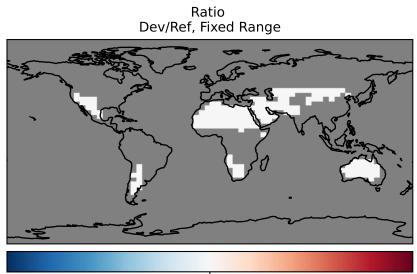
Difference Dev - Ref, Dynamic Range

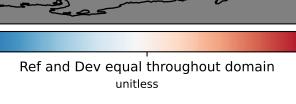
Zero throughout domain

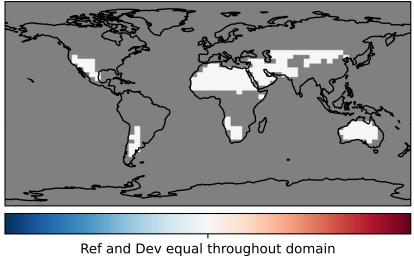
kg/m2/s



Ratio Dev/Ref, Dynamic Range







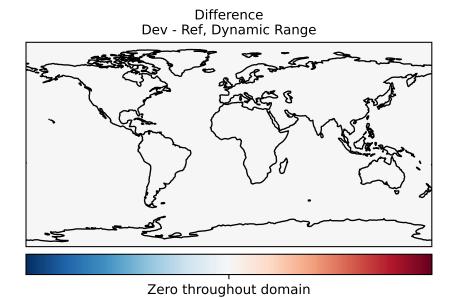
EmisDST1_Total (AnnualMean)

gcc-14.3.0-rc.0 (Ref) 4.0x5.0

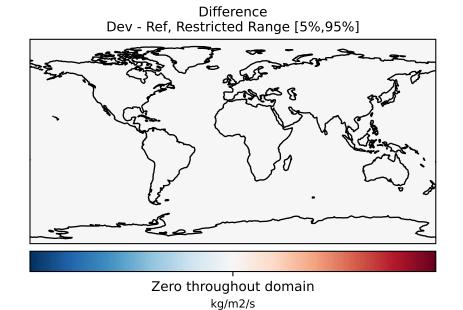
2
4
6
kg/m2/s
1e-10

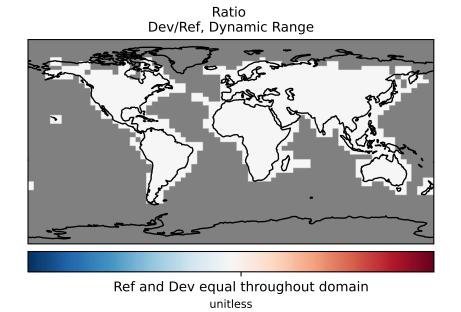
gcc-14.4.0-rc.0 (Dev) 4.0x5.0

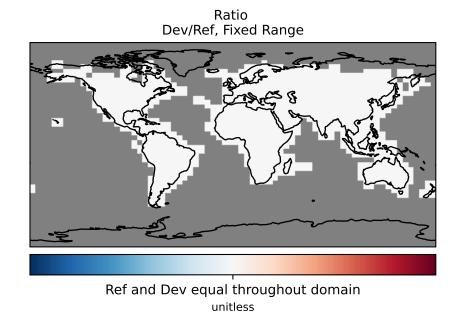
0
2
4
6
kg/m2/s
1e-10



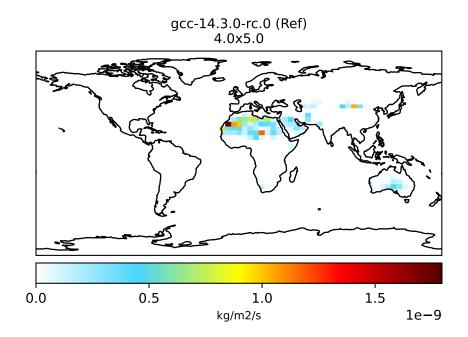
kg/m2/s



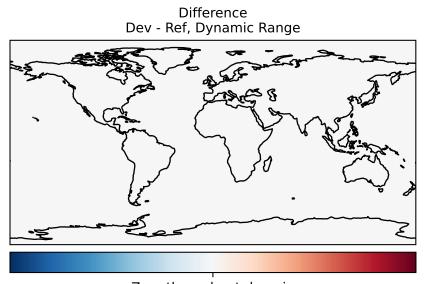


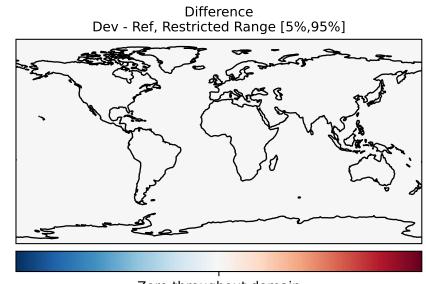


EmisDST2_Natural (AnnualMean)



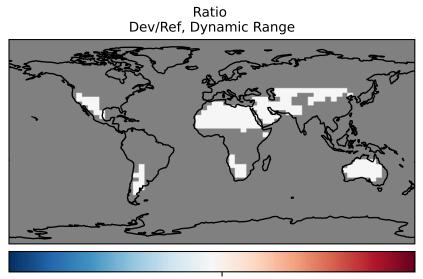
0.0 0.5 1.0 1.5 kg/m2/s 1e-9

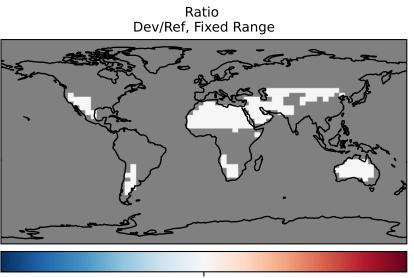




Zero throughout domain kg/m2/s

Zero throughout domain kg/m2/s





Ref and Dev equal throughout domain unitless

Ref and Dev equal throughout domain unitless

EmisDST3_Natural (AnnualMean)

gcc-14.3.0-rc.0 (Ref) 4.0x5.0

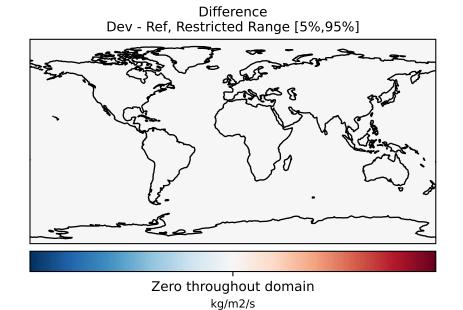
gcc-14.4.0-rc.0 (Dev)
4.0x5.0

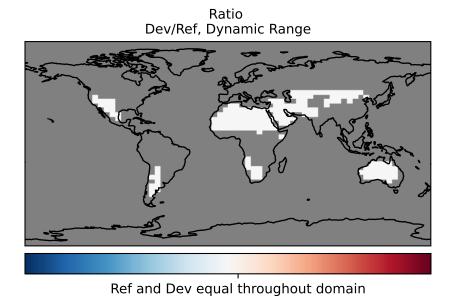
0 1 2 3
kg/m2/s 1e-9

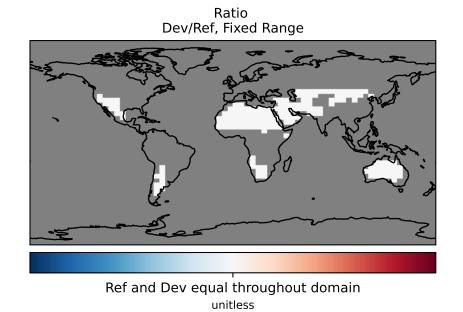
Difference
Dev - Ref, Dynamic Range

Zero throughout domain

kg/m2/s







EmisDST4_Natural (AnnualMean)

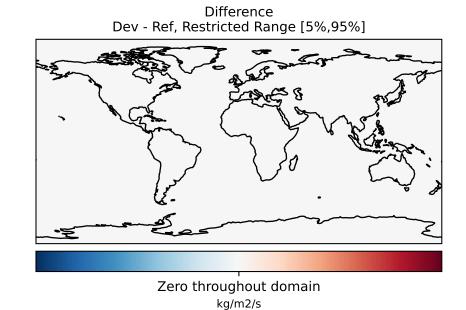
gcc-14.3.0-rc.0 (Ref) 4.0x5.0 1 2 kg/m2/s 1e-9

gcc-14.4.0-rc.0 (Dev) 4.0x5.0 1 2 kg/m2/s 1e-9

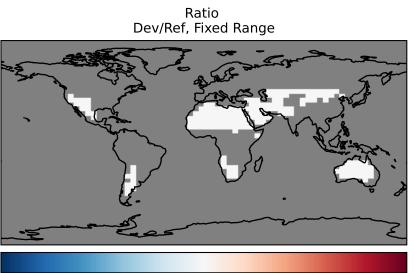
Difference Dev - Ref, Dynamic Range

Zero throughout domain

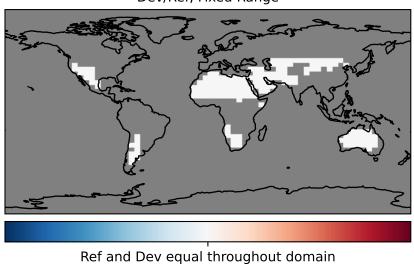
kg/m2/s



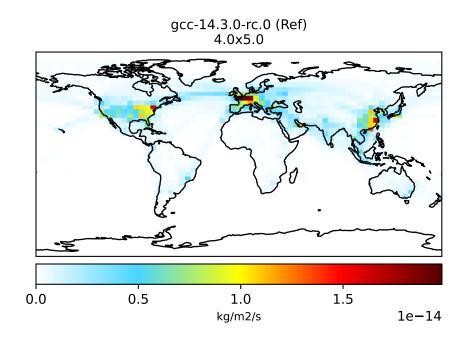
Ratio Dev/Ref, Dynamic Range

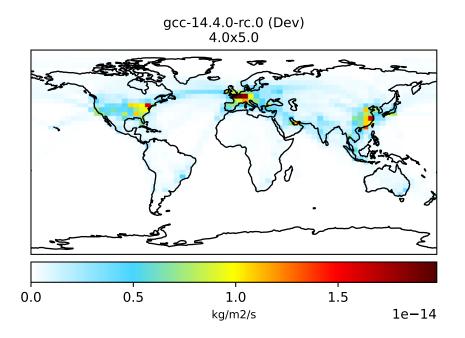


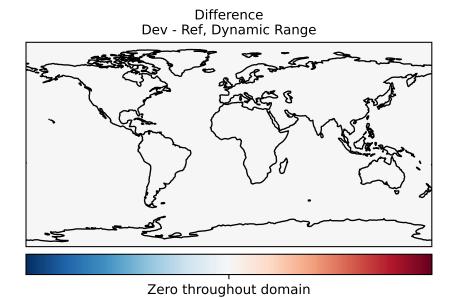
Ref and Dev equal throughout domain unitless



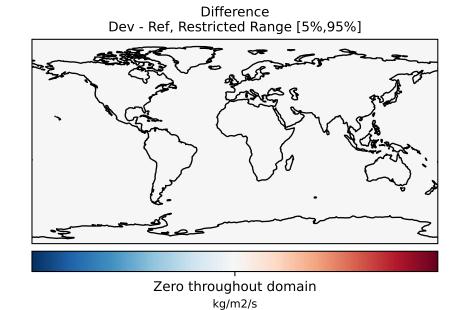
EmisSO4_Aircraft (AnnualMean)

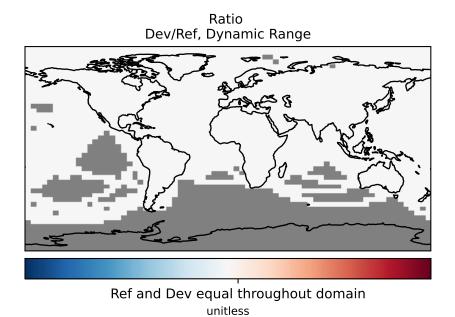


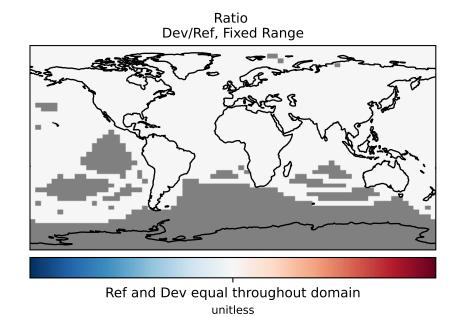




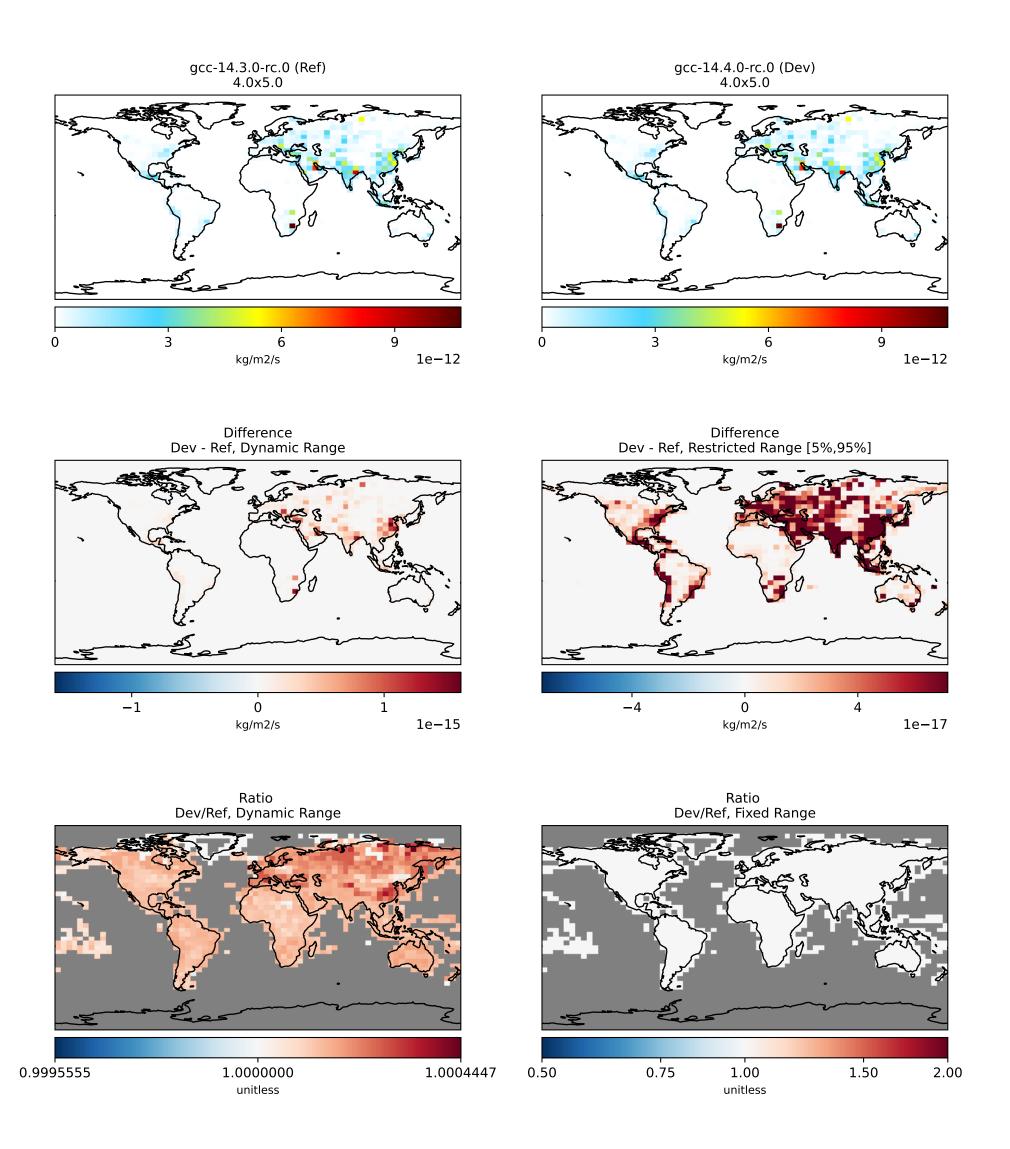
kg/m2/s







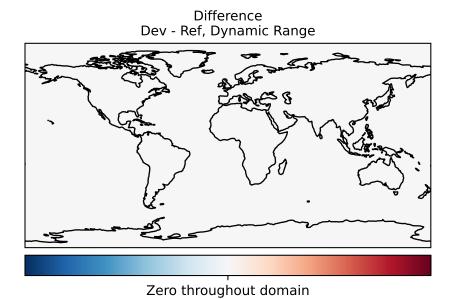
EmisSO4_Anthro (AnnualMean)



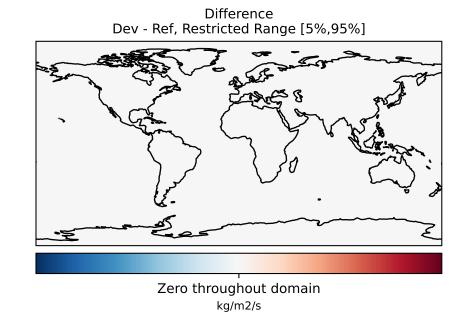
EmisSO4_Ship (AnnualMean)

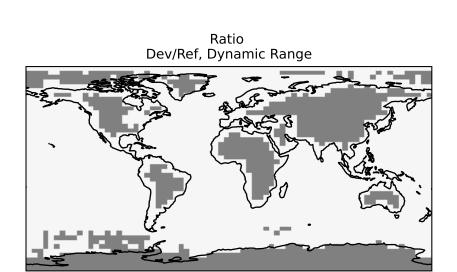
0.0 1.5 3.0 4.5 kg/m2/s 1e-13

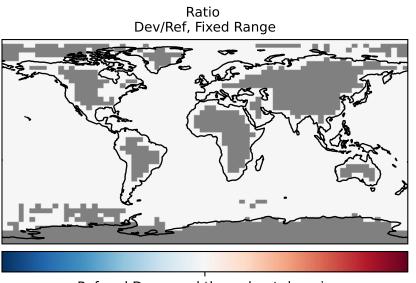
gcc-14.4.0-rc.0 (Dev) 4.0x5.0



kg/m2/s



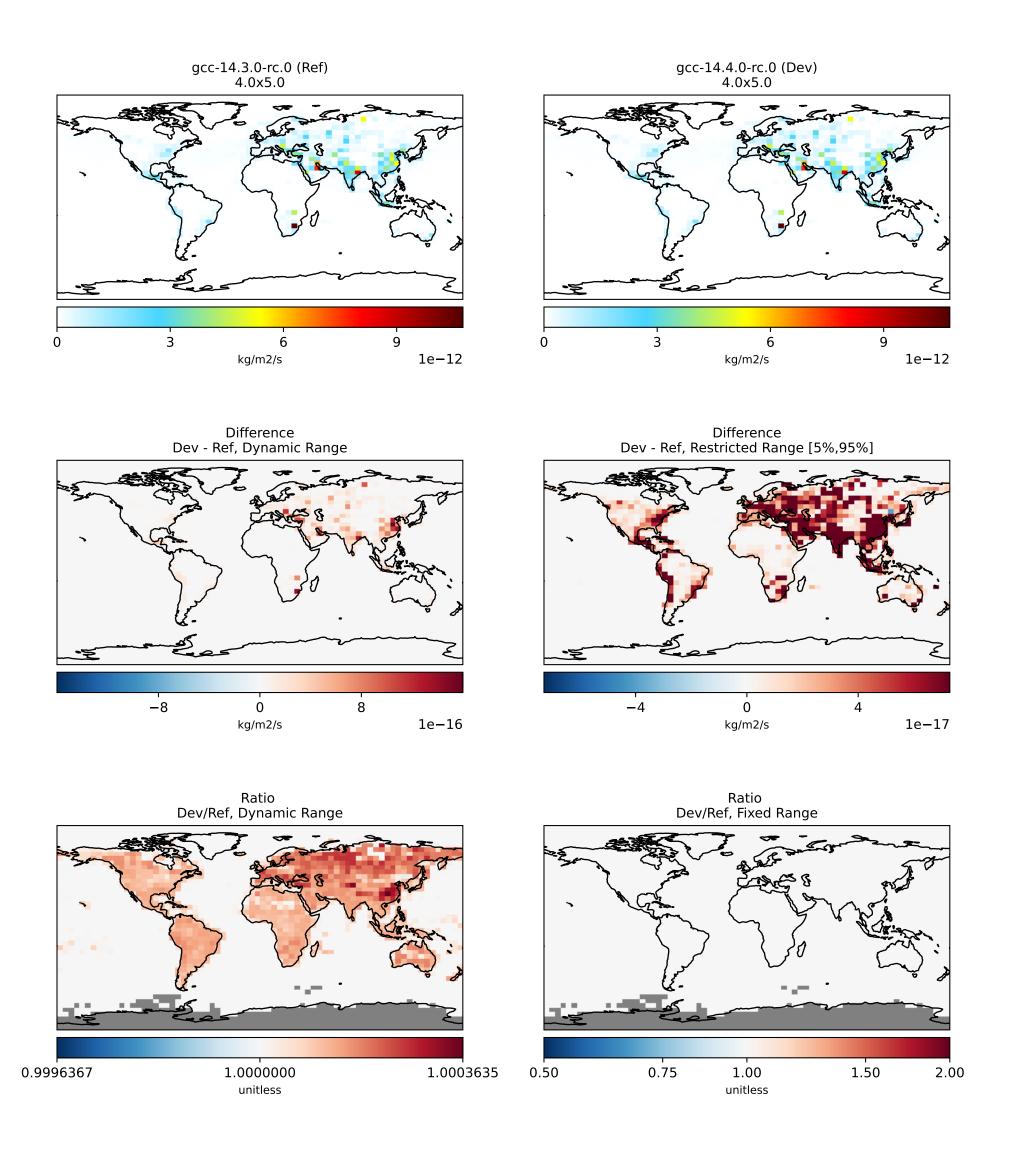




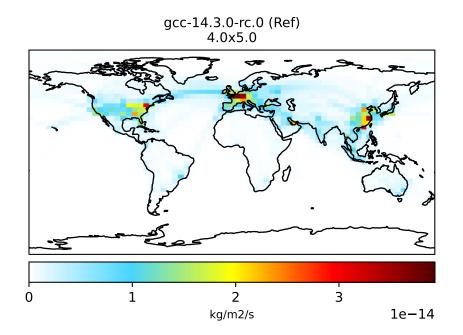
Ref and Dev equal throughout domain unitless

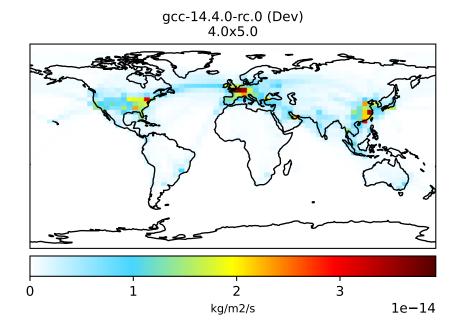
Ref and Dev equal throughout domain unitless

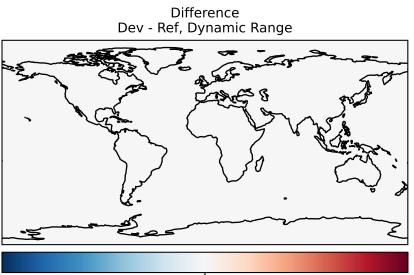
EmisSO4_Total (AnnualMean)

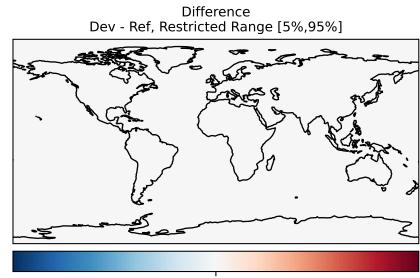


EmisBCPI_Aircraft (AnnualMean)



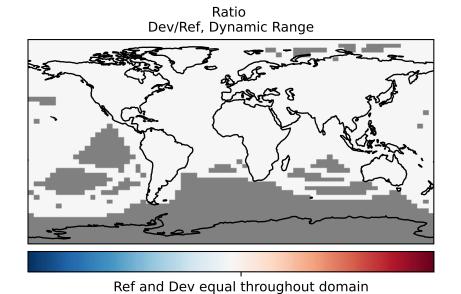


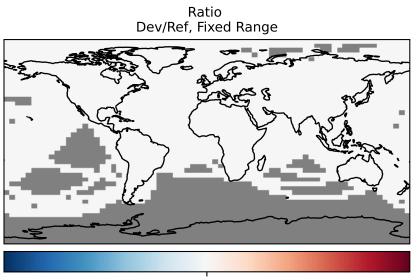




Zero throughout domain kg/m2/s

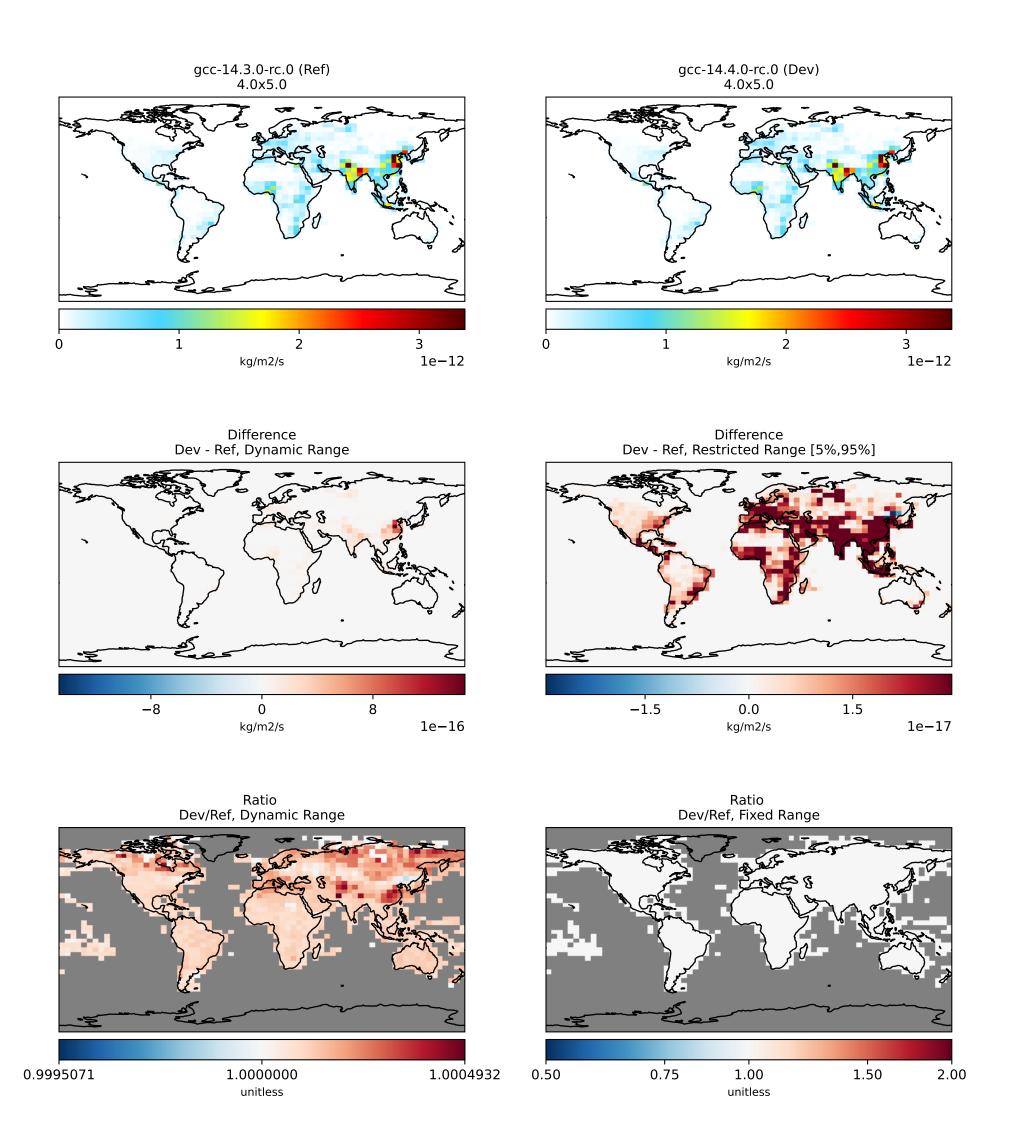
Zero throughout domain kg/m2/s





Ref and Dev equal throughout domain unitless

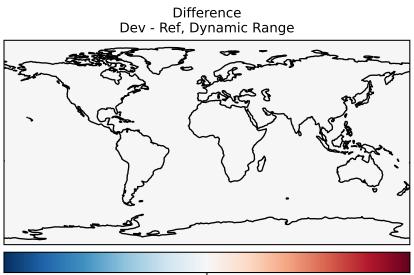
EmisBCPI_Anthro (AnnualMean)

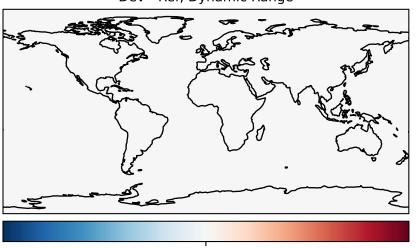


EmisBCPI_BioBurn (AnnualMean)

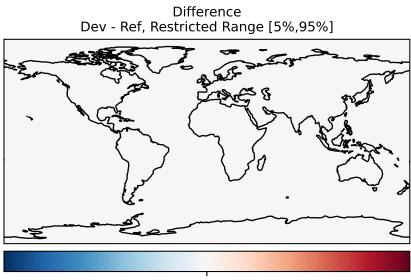
gcc-14.3.0-rc.0 (Ref) 4.0x5.0 1.2 0.4 0.0 8.0 kg/m2/s 1e-12

gcc-14.4.0-rc.0 (Dev) 4.0x5.0 1.2 0.4 8.0 0.0 kg/m2/s 1e-12

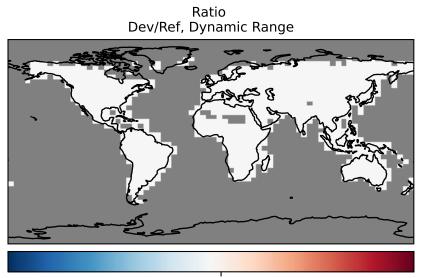


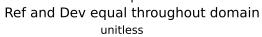


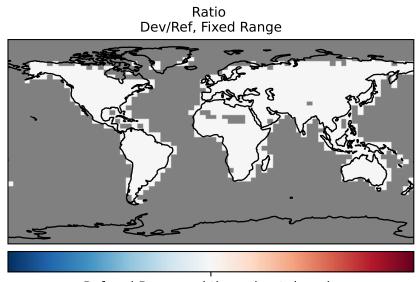




Zero throughout domain kg/m2/s

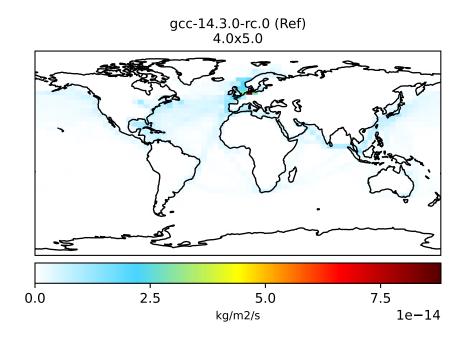


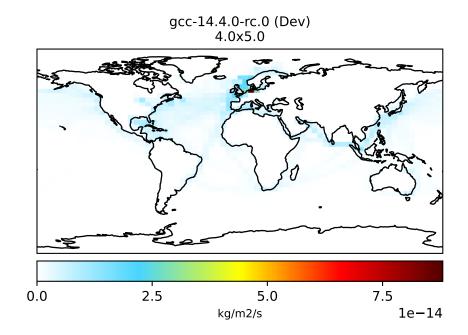


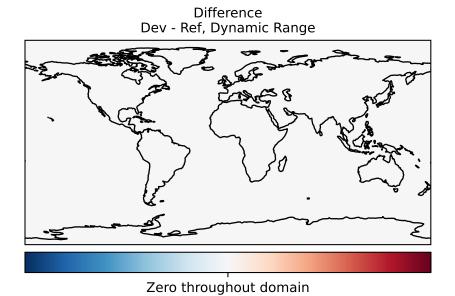


Ref and Dev equal throughout domain unitless

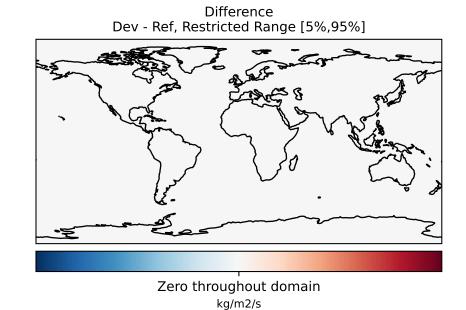
EmisBCPI_Ship (AnnualMean)







kg/m2/s



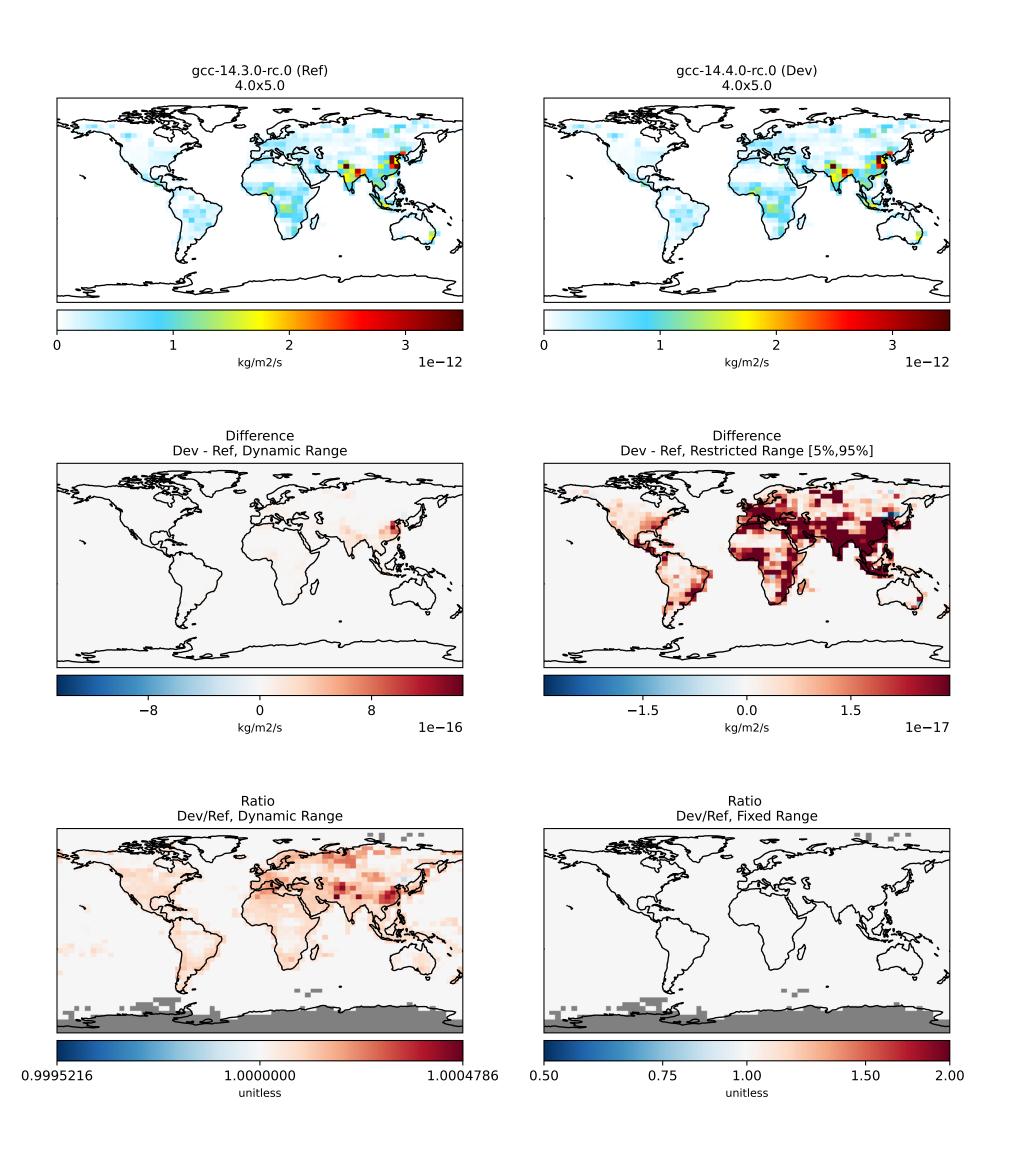
Ratio Dev/Ref, Dynamic Range

Ratio Dev/Ref, Fixed Range

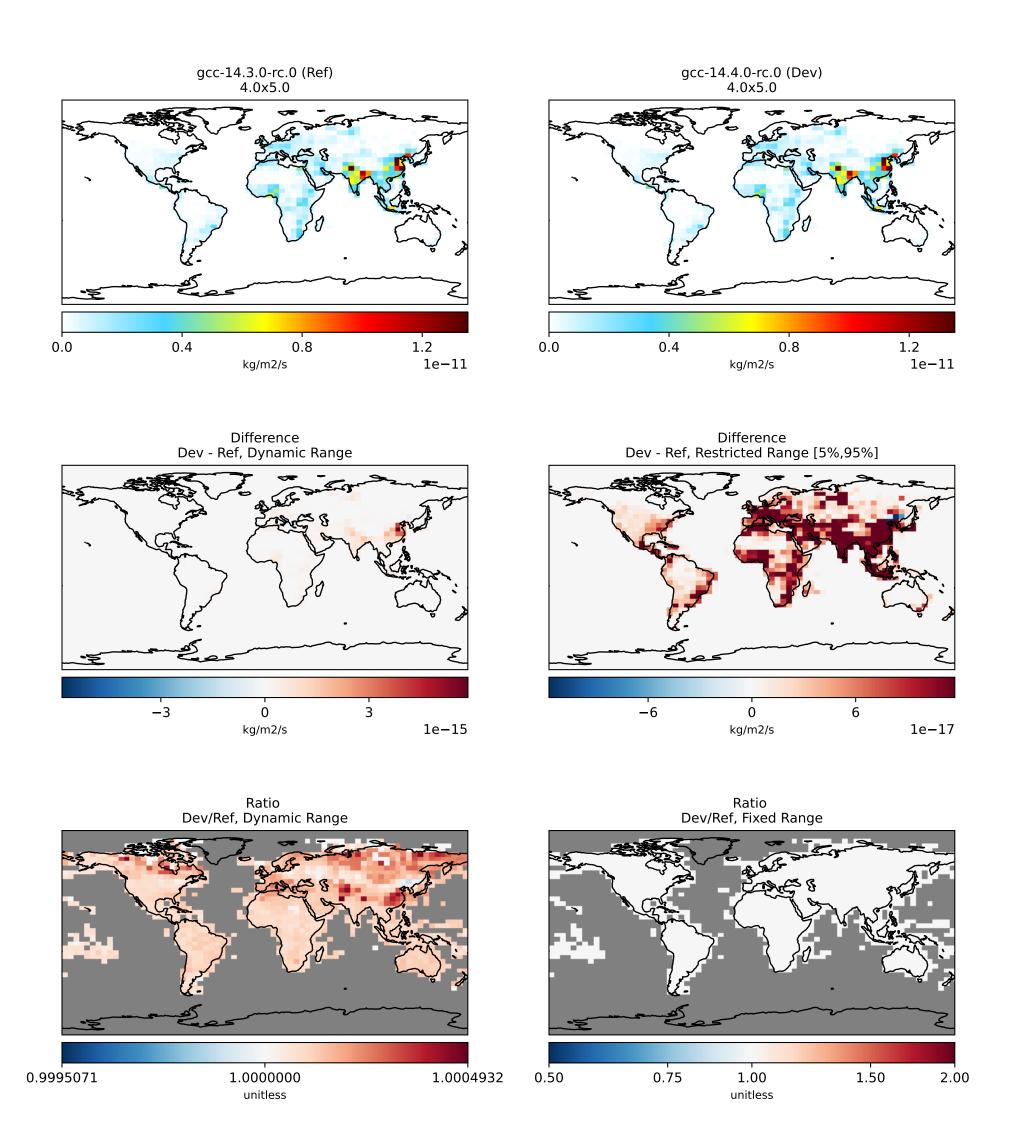
Ref and Dev equal throughout domain

Ref and Dev equal throughout domain unitless

EmisBCPI_Total (AnnualMean)



EmisBCPO_Anthro (AnnualMean)

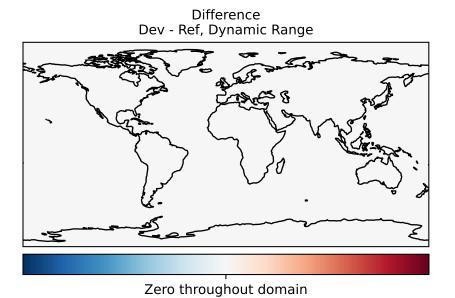


EmisBCPO_BioBurn (AnnualMean)

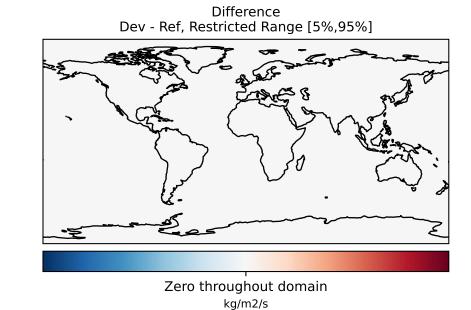
gcc-14.3.0-rc.0 (Ref) 4.0x5.0

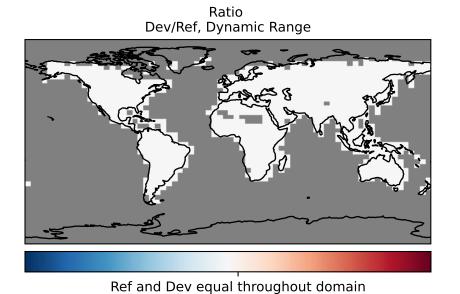
gcc-14.4.0-rc.0 (Dev)
4.0x5.0

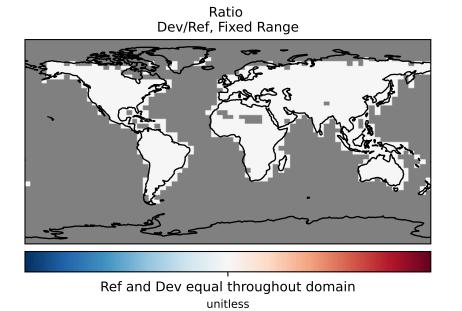
2
4
6
kg/m2/s
1e-12



kg/m2/s







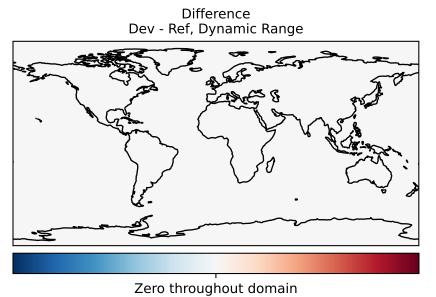
EmisBCPO_Ship (AnnualMean)

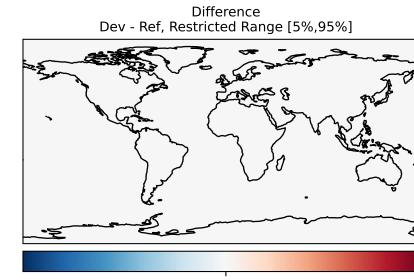
gcc-14.3.0-rc.0 (Ref)
4.0x5.0

1 2 3

kg/m2/s 1e-13

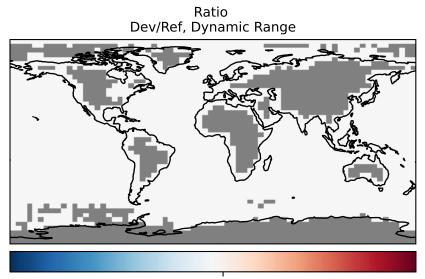
gcc-14.4.0-rc.0 (Dev) 4.0x5.0

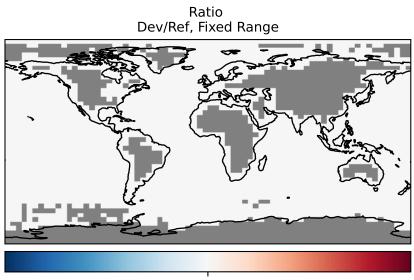




kg/m2/s

Zero throughout domain kg/m2/s

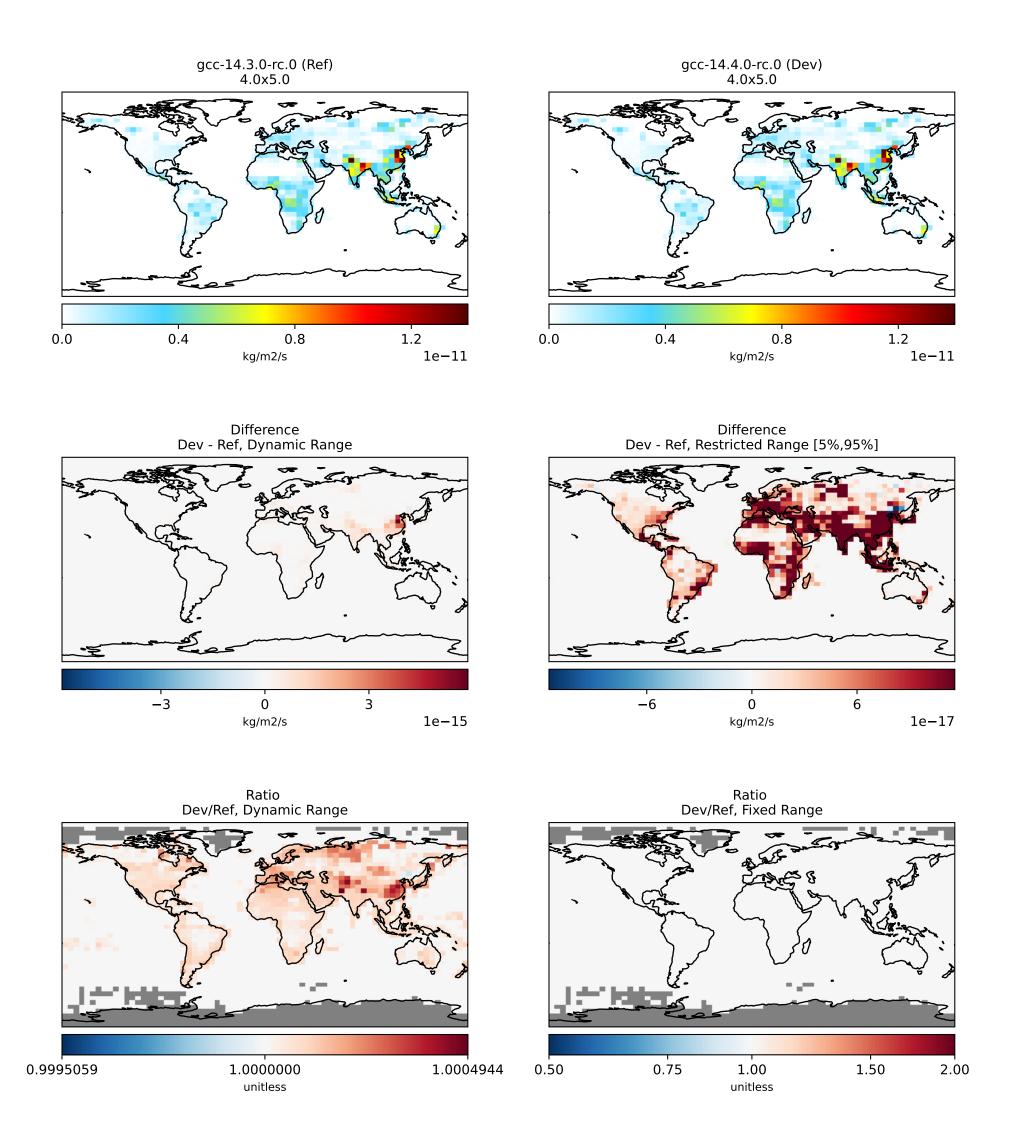




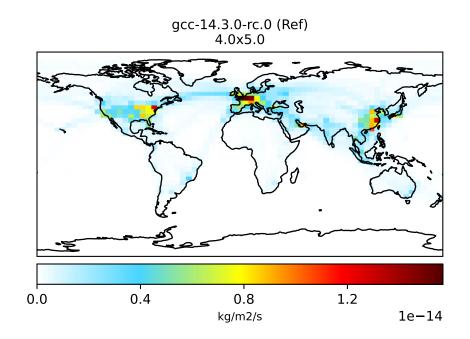
Ref and Dev equal throughout domain unitless

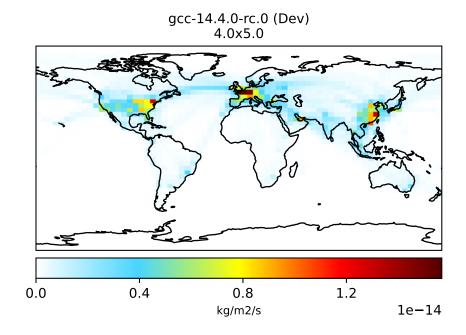
Ref and Dev equal throughout domain unitless

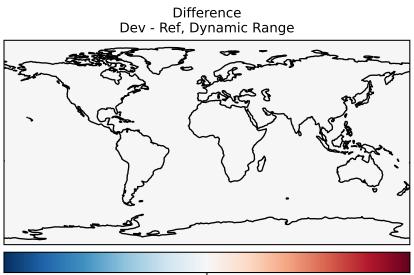
EmisBCPO_Total (AnnualMean)

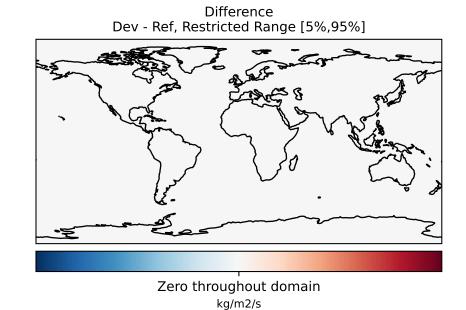


EmisOCPI_Aircraft (AnnualMean)

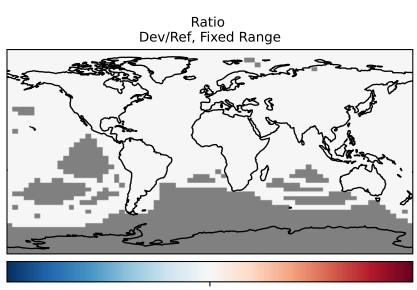


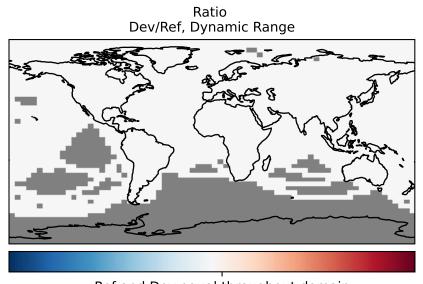








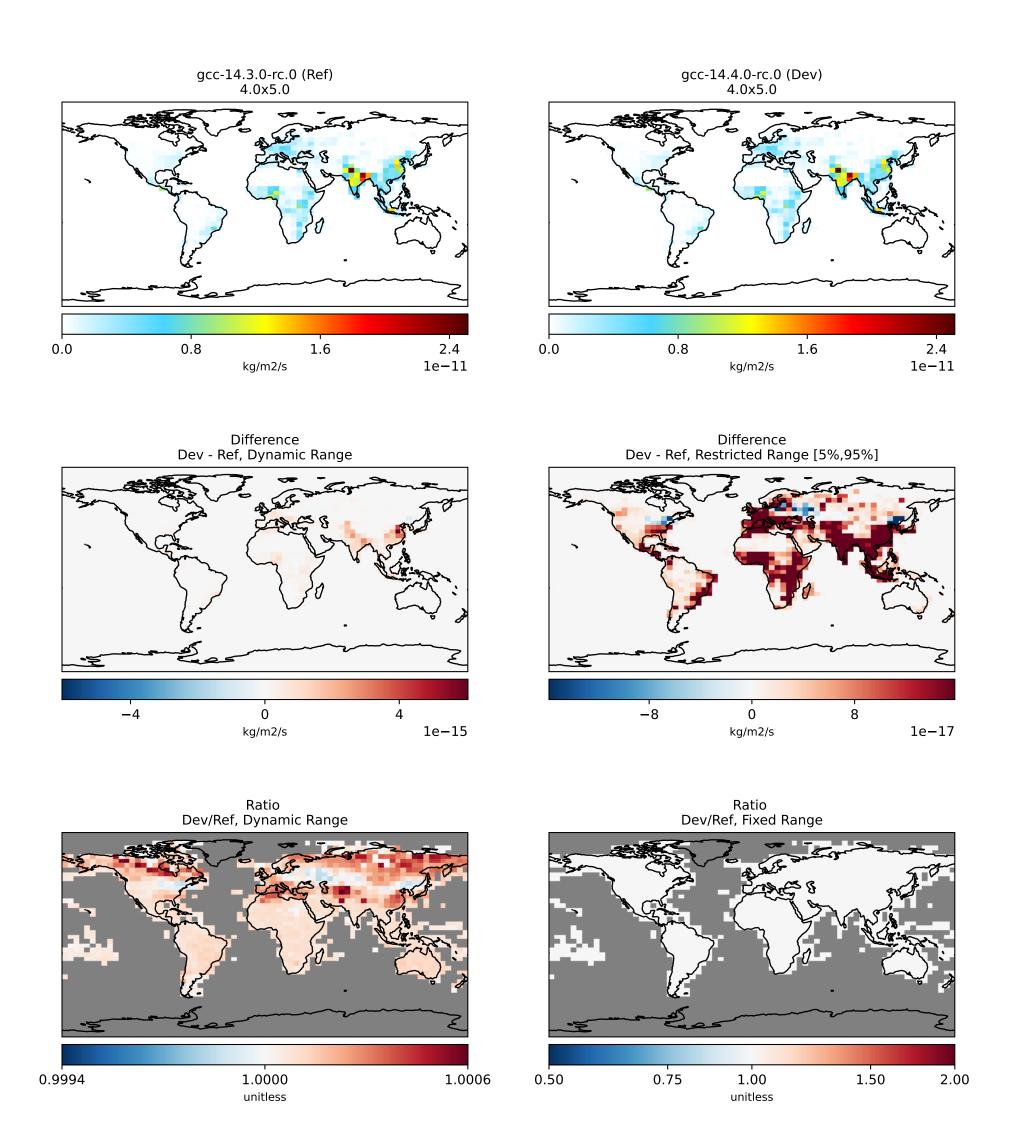




Ref and Dev equal throughout domain unitless

Ref and Dev equal throughout domain unitless

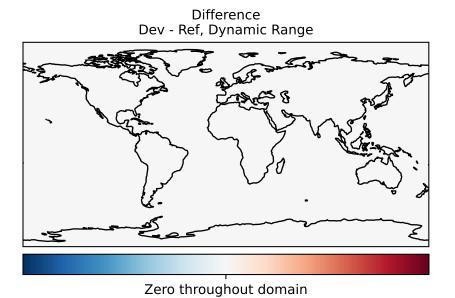
EmisOCPI_Anthro (AnnualMean)

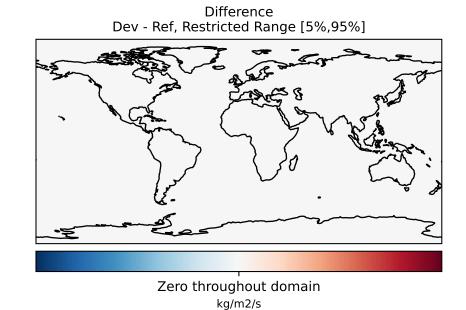


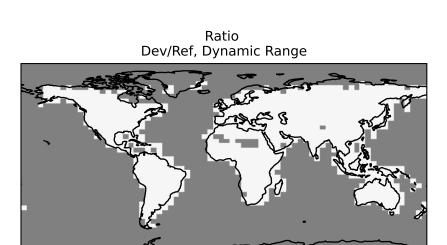
EmisOCPI_BioBurn (AnnualMean)

gcc-14.3.0-rc.0 (Ref) 4.0x5.0 2 kg/m2/s 1e-11

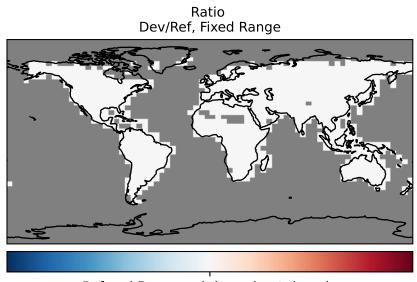
gcc-14.4.0-rc.0 (Dev) 4.0x5.0 2 kg/m2/s 1e-11







kg/m2/s

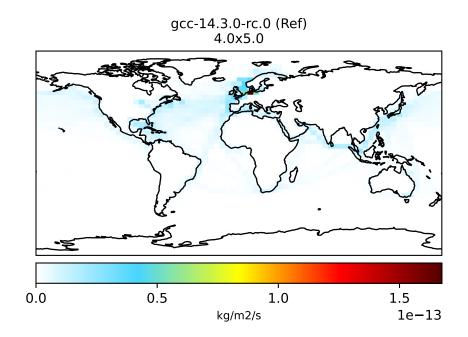


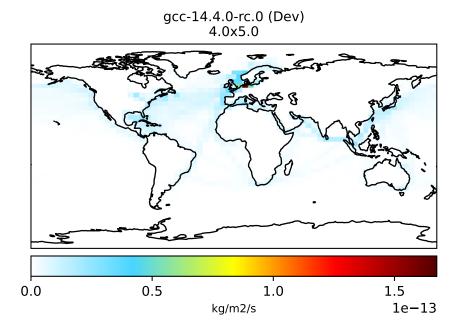
Ref and Dev equal throughout domain unitless

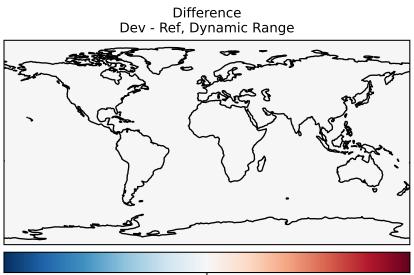
Ref and Dev equal throughout domain

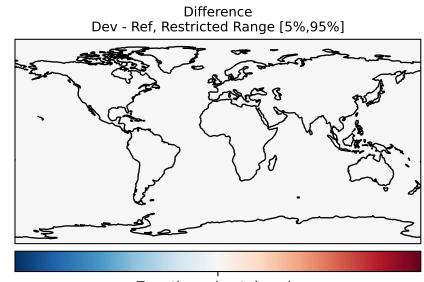
unitless

EmisOCPI_Ship (AnnualMean)



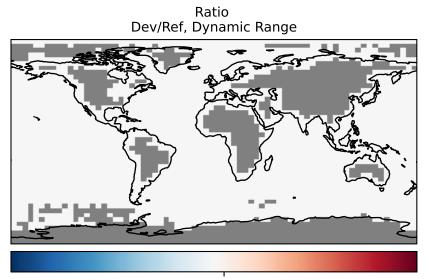


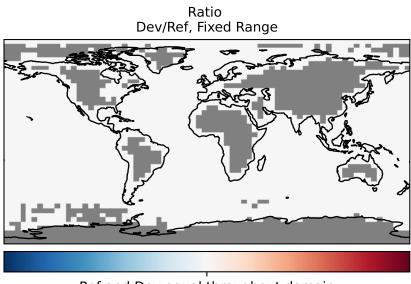




Zero throughout domain kg/m2/s

Zero throughout domain kg/m2/s

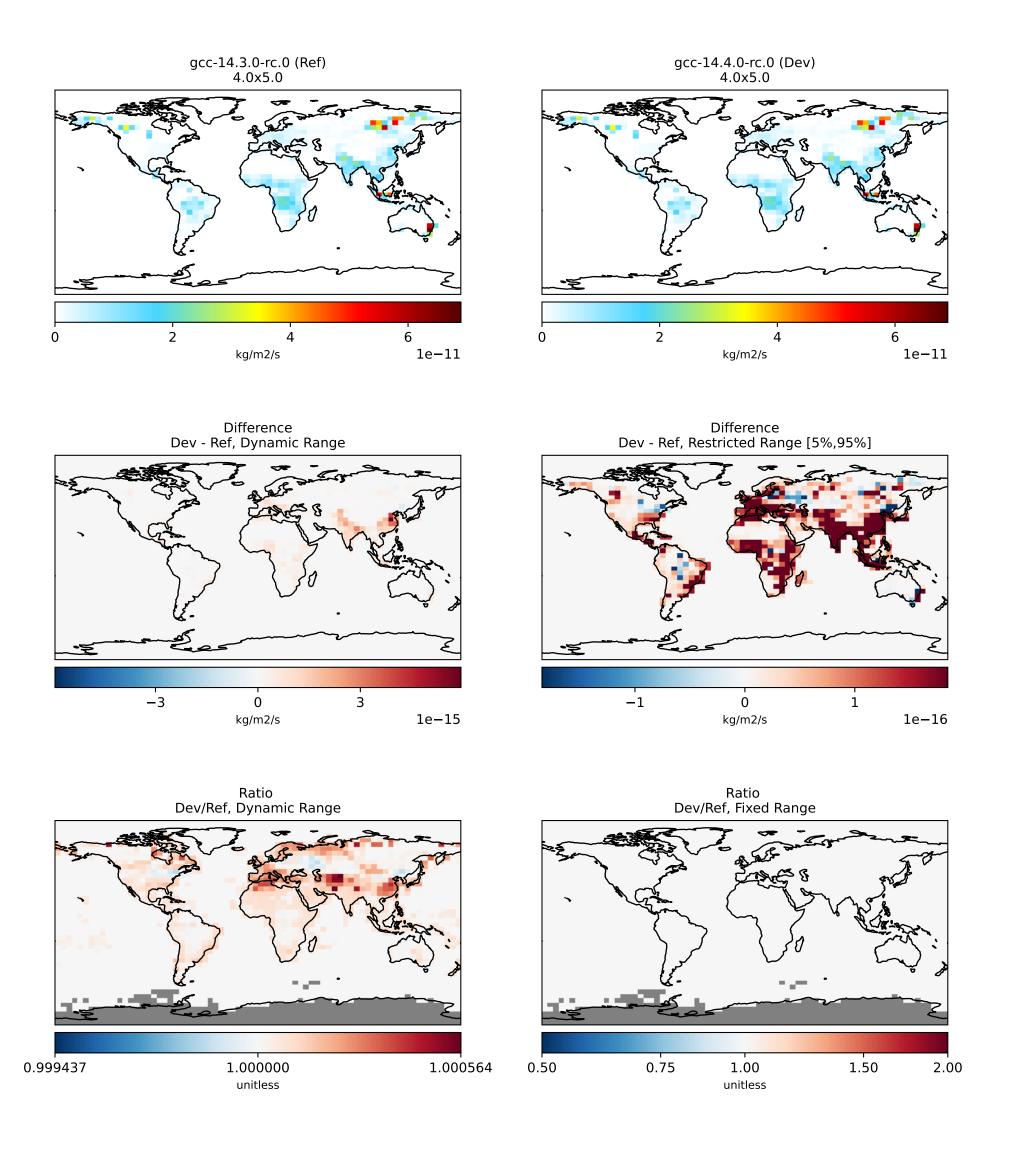




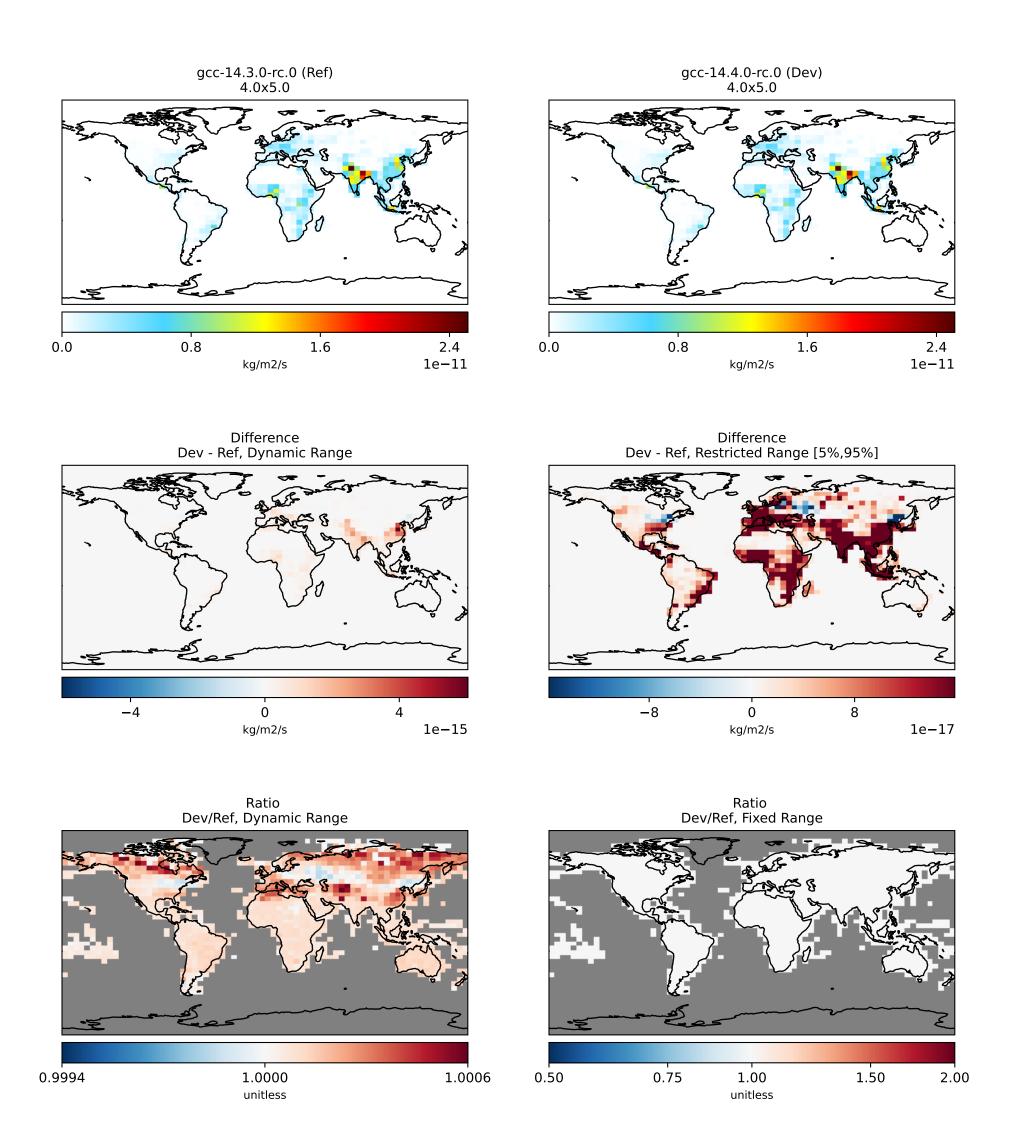
Ref and Dev equal throughout domain unitless

Ref and Dev equal throughout domain unitless

EmisOCPI_Total (AnnualMean)



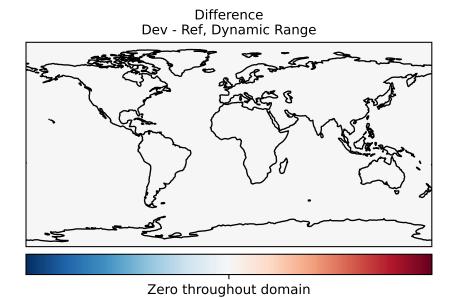
EmisOCPO_Anthro (AnnualMean)



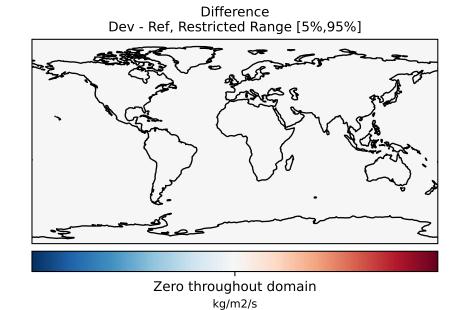
EmisOCPO_BioBurn (AnnualMean)

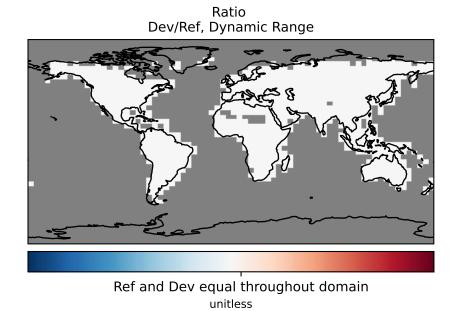
gcc-14.3.0-rc.0 (Ref) 4.0x5.0

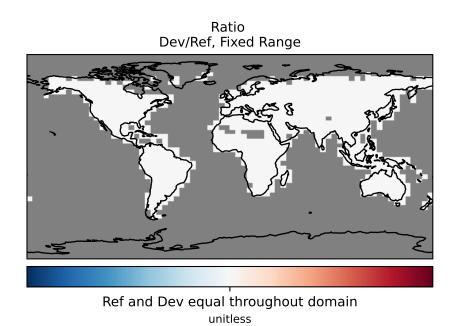
gcc-14.4.0-rc.0 (Dev) 4.0x5.0



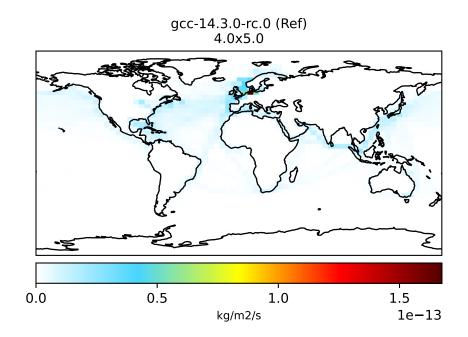
kg/m2/s







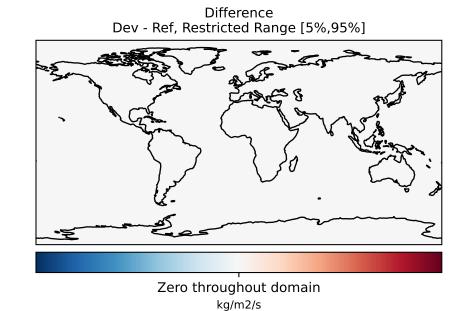
EmisOCPO_Ship (AnnualMean)



gcc-14.4.0-rc.0 (Dev) 4.0x5.0

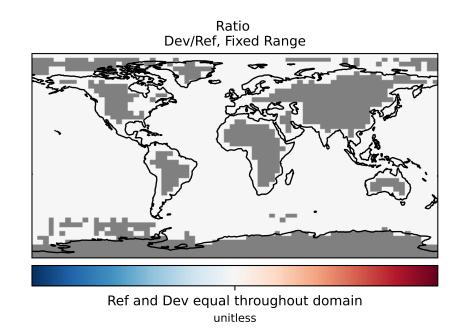
Difference Dev - Ref, Dynamic Range

Zero throughout domain kg/m2/s

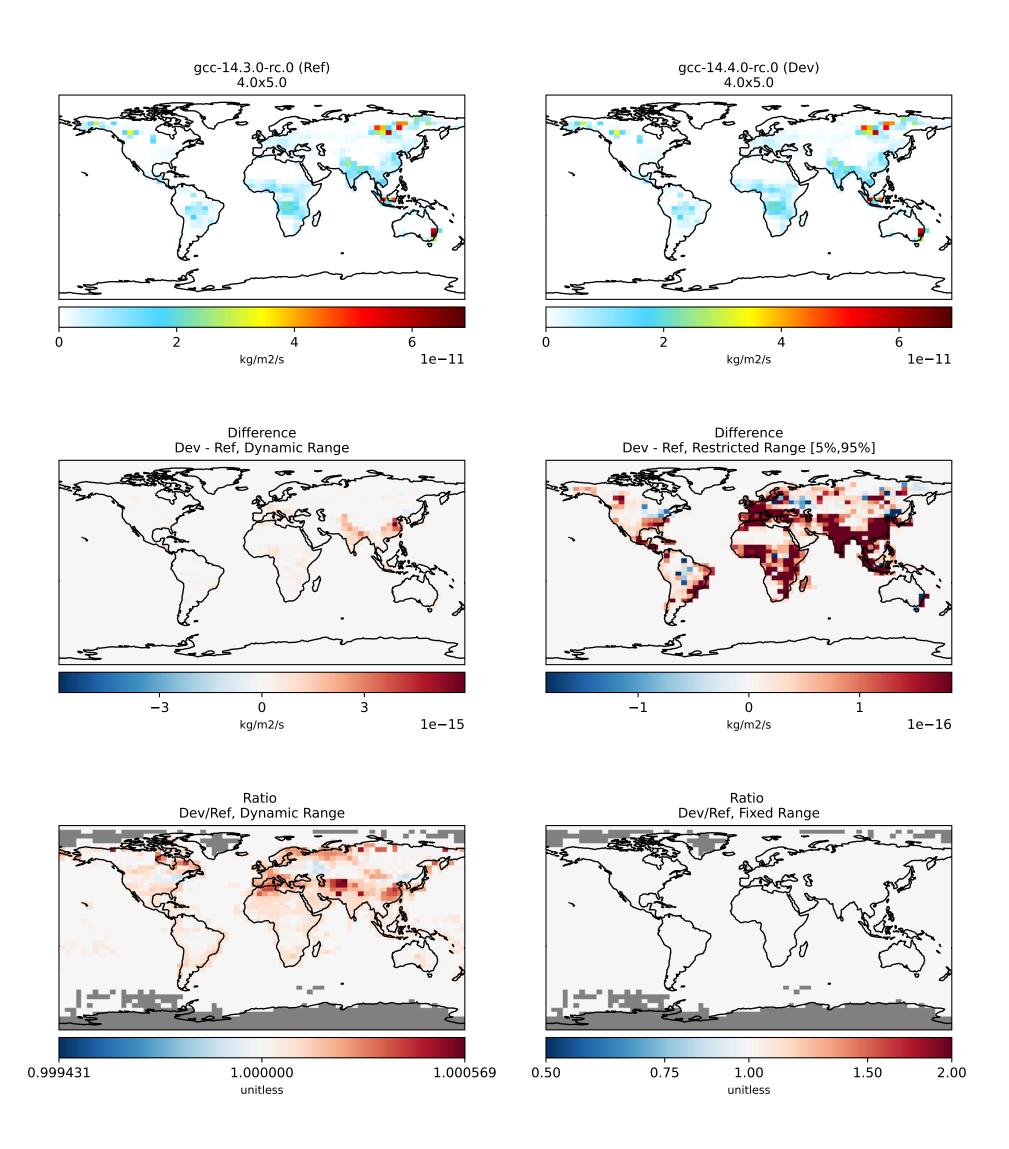


Ratio Dev/Ref, Dynamic Range

Ref and Dev equal throughout domain



EmisOCPO_Total (AnnualMean)



EmisBrSALA_Natural (AnnualMean)

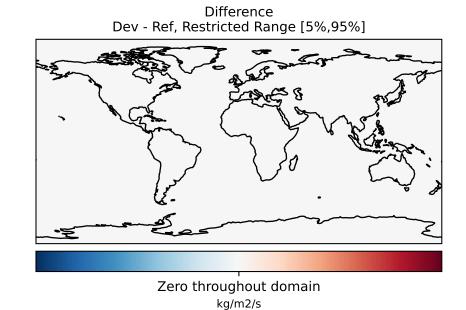
gcc-14.3.0-rc.0 (Ref) 4.0x5.0 7.5 2.5 5.0 0.0 kg/m2/s 1e-14

gcc-14.4.0-rc.0 (Dev) 4.0x5.0 7.5 2.5 5.0 0.0 1e-14 kg/m2/s

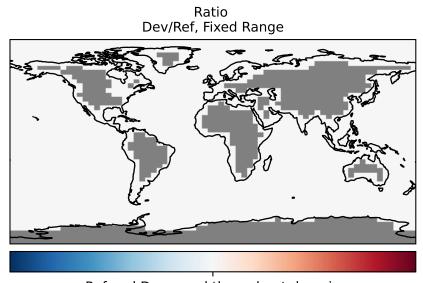
Difference Dev - Ref, Dynamic Range

Zero throughout domain

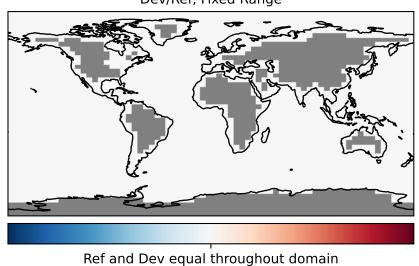
kg/m2/s



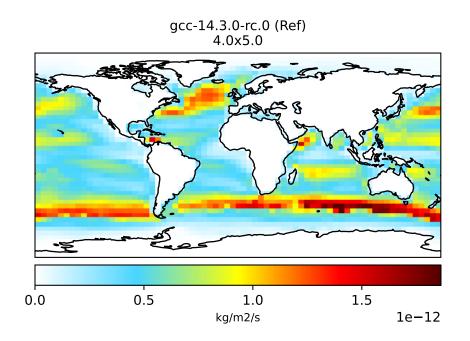
Ratio Dev/Ref, Dynamic Range

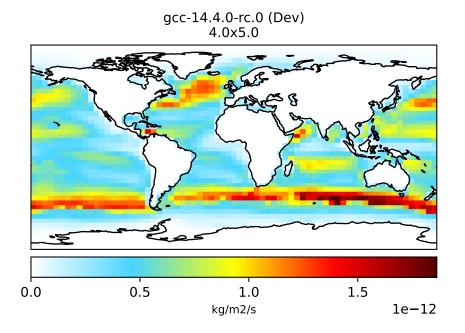


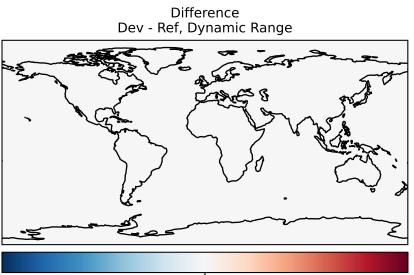
Ref and Dev equal throughout domain unitless

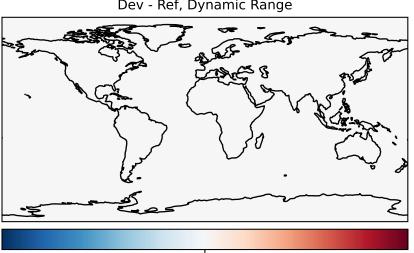


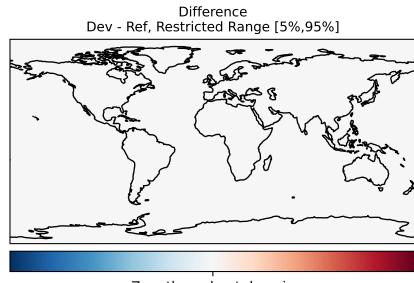
EmisBrSALC_Natural (AnnualMean)





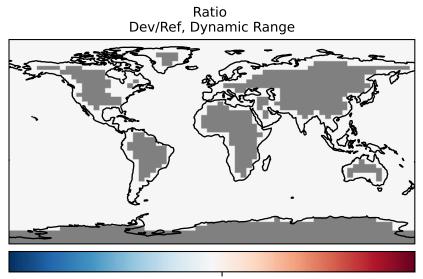


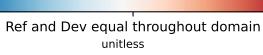


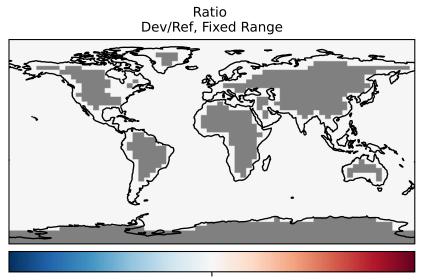


Zero throughout domain kg/m2/s

Zero throughout domain kg/m2/s

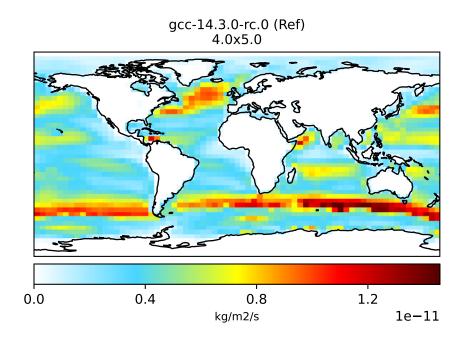


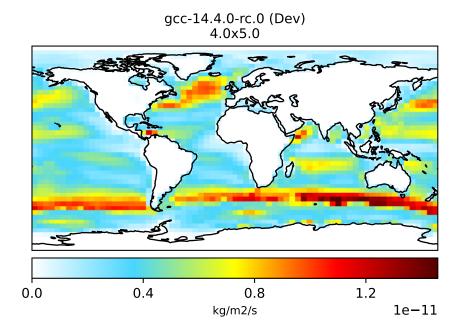


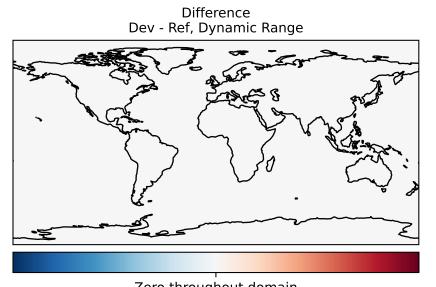


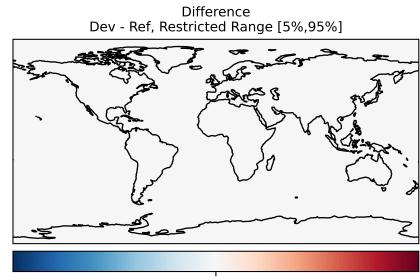
Ref and Dev equal throughout domain unitless

EmisSALA_Natural (AnnualMean)



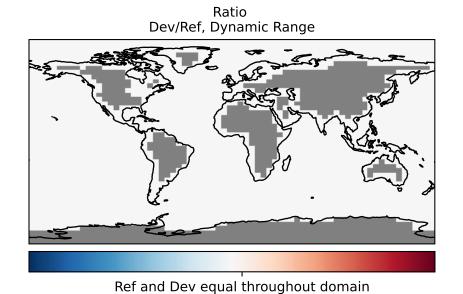


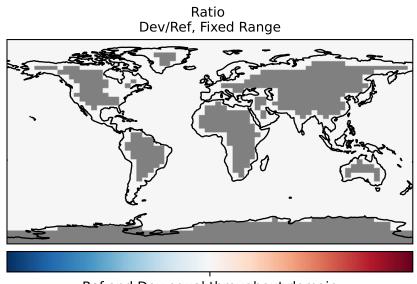




Zero throughout domain kg/m2/s

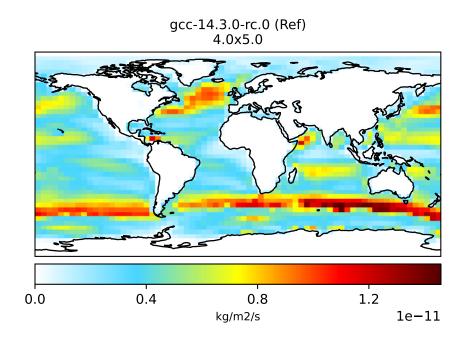
Zero throughout domain kg/m2/s





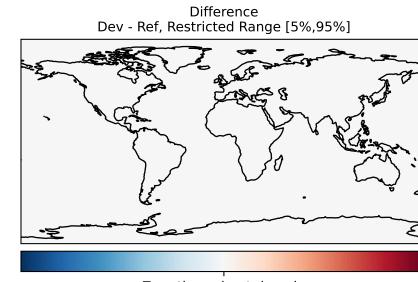
Ref and Dev equal throughout domain unitless

EmisSALAAL_Natural (AnnualMean)



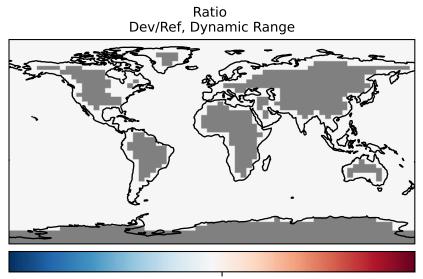
0.0 0.4 0.8 1.2 kg/m2/s 1e-11

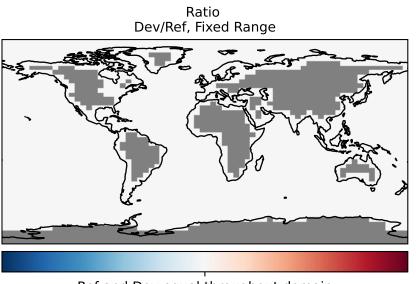
Difference Dev - Ref, Dynamic Range



Zero throughout domain kg/m2/s

Zero throughout domain kg/m2/s

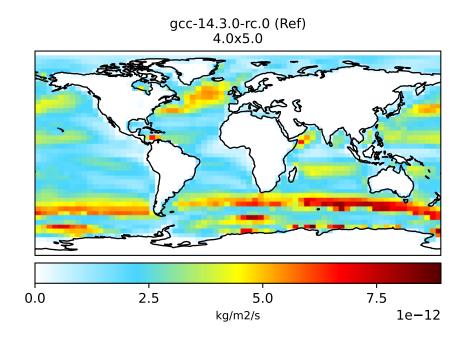




Ref and Dev equal throughout domain unitless

Ref and Dev equal throughout domain unitless

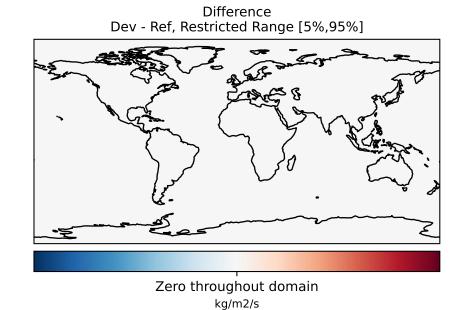
EmisSALACL_Natural (AnnualMean)



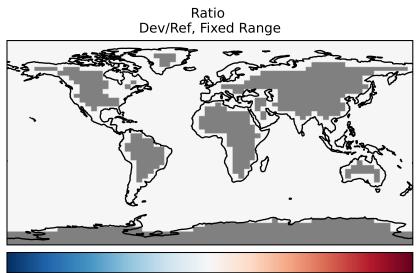
gcc-14.4.0-rc.0 (Dev) 4.0x5.0 7.5 2.5 5.0 0.0 kg/m2/s 1e-12

Difference Dev - Ref, Dynamic Range

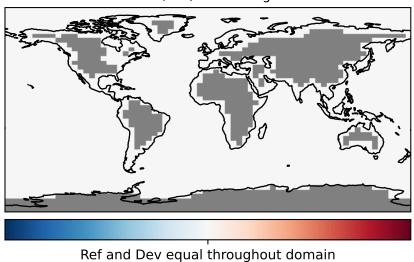
Zero throughout domain kg/m2/s



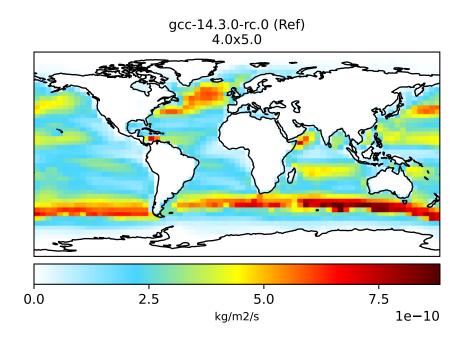
Ratio Dev/Ref, Dynamic Range



Ref and Dev equal throughout domain unitless



EmisSALC_Natural (AnnualMean)



gcc-14.4.0-rc.0 (Dev) 4.0x5.0

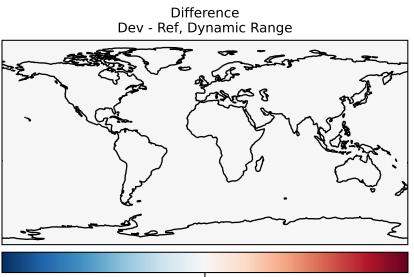
0.0

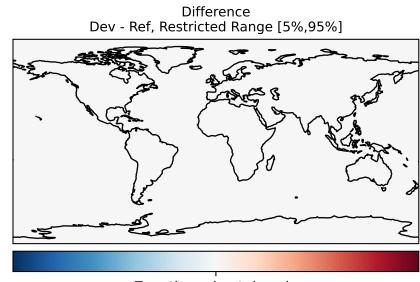
2.5

5.0

Rg/m2/s

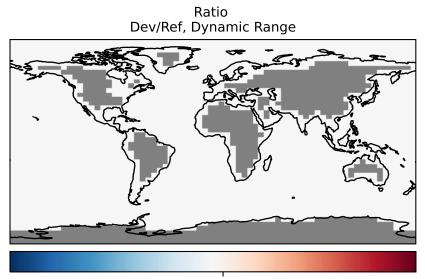
7.5

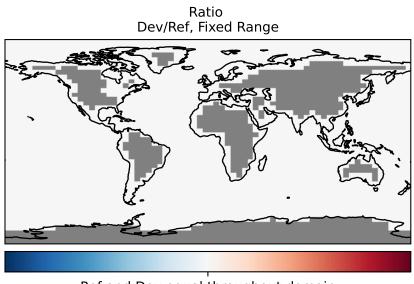




Zero throughout domain kg/m2/s

Zero throughout domain kg/m2/s

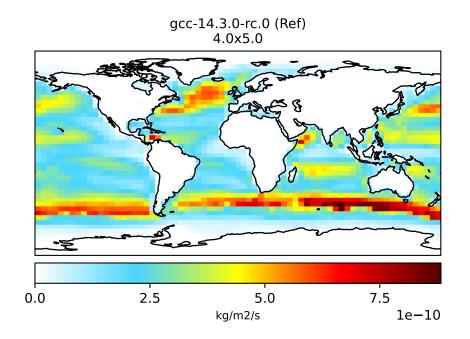




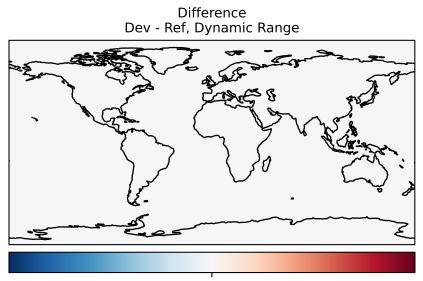
Ref and Dev equal throughout domain unitless

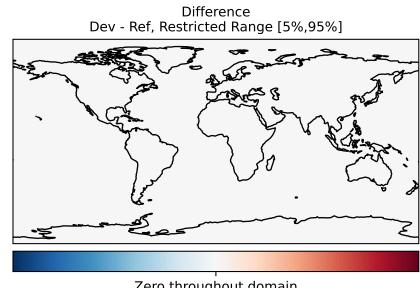
Ref and Dev equal throughout domain unitless

EmisSALCAL_Natural (AnnualMean)



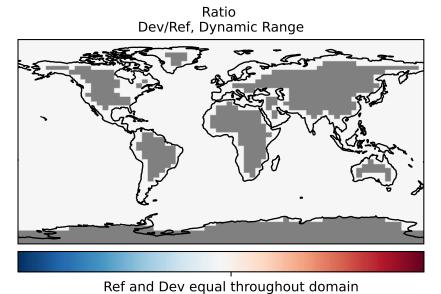
0.0 2.5 5.0 7.5 kg/m2/s 1e-10

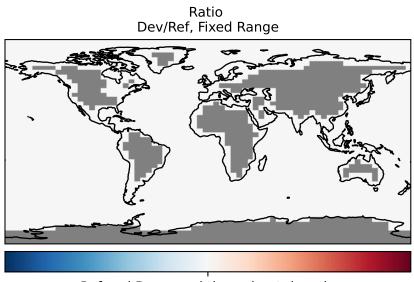




Zero throughout domain kg/m2/s

Zero throughout domain kg/m2/s



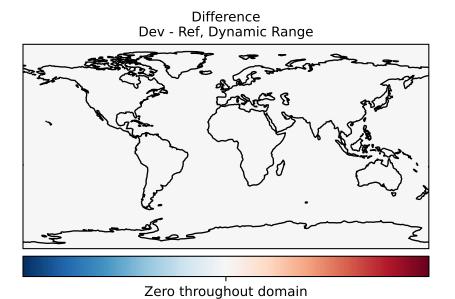


Ref and Dev equal throughout domain unitless

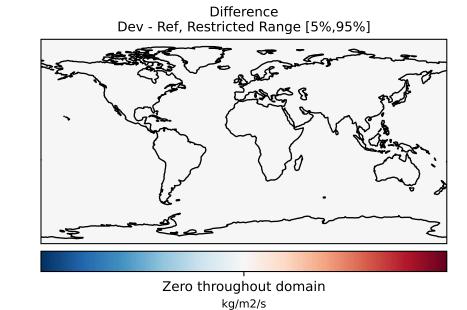
EmisSALCCL_Natural (AnnualMean)

gcc-14.3.0-rc.0 (Ref) 4.0x5.0 1.5 3.0 4.5 0.0 kg/m2/s 1e-10

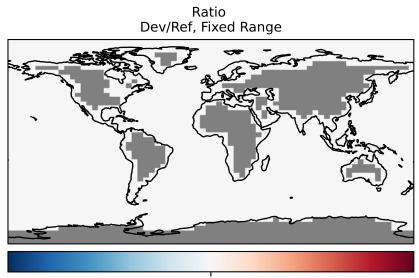
gcc-14.4.0-rc.0 (Dev) 4.0x5.0 1.5 3.0 4.5 0.0 kg/m2/s 1e-10

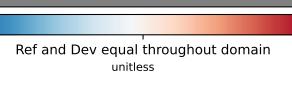


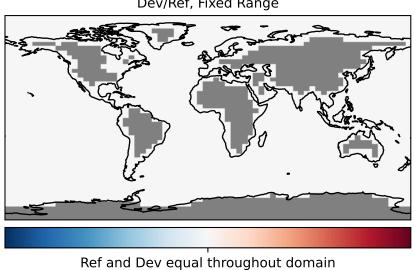
kg/m2/s



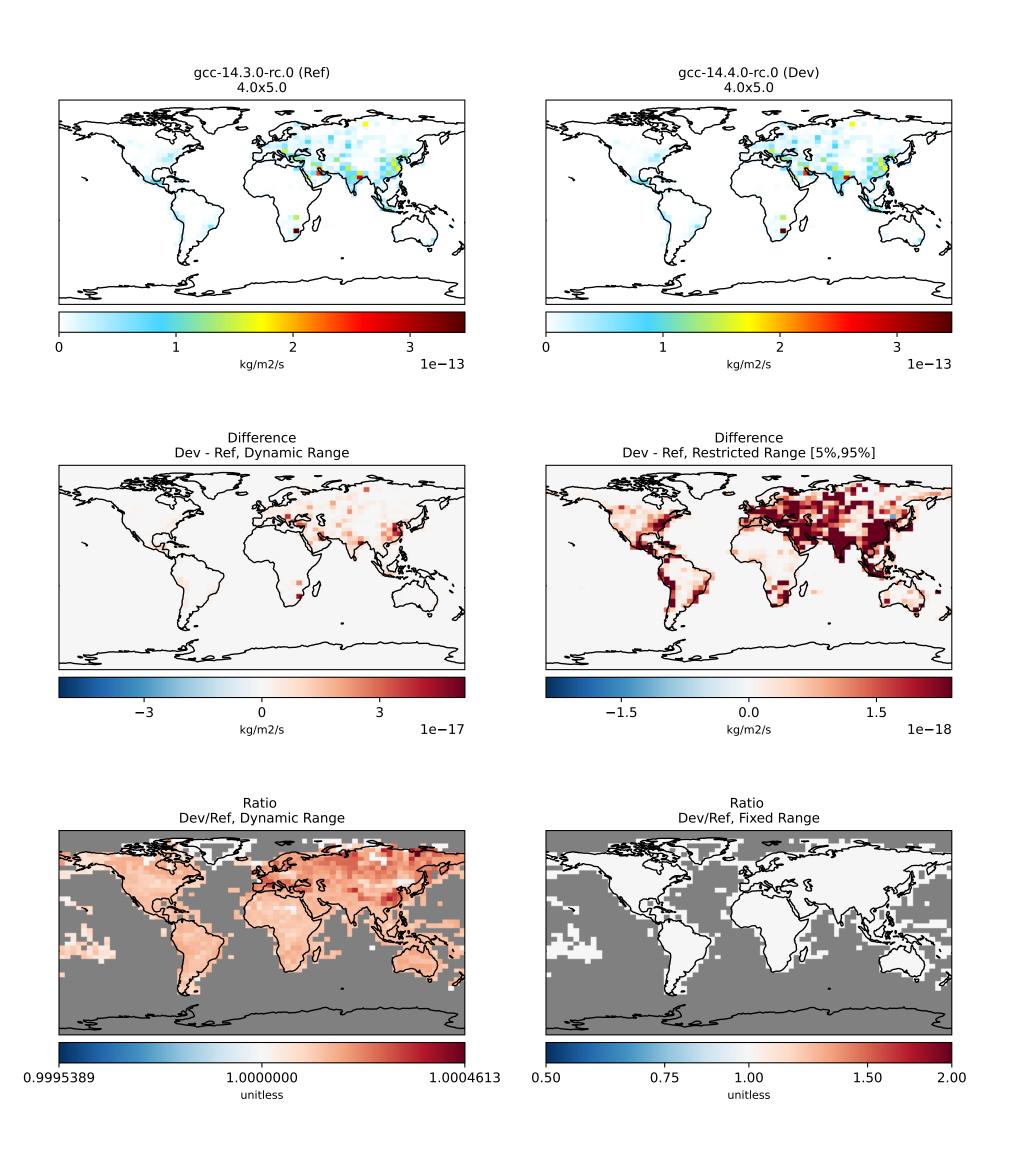
Ratio Dev/Ref, Dynamic Range



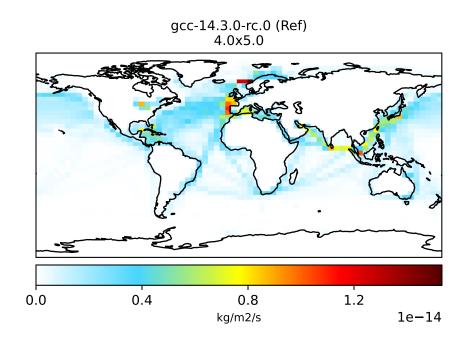




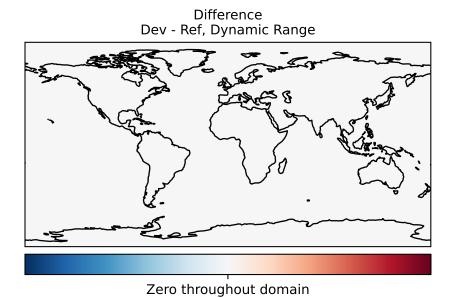
EmispFe_Anthro (AnnualMean)



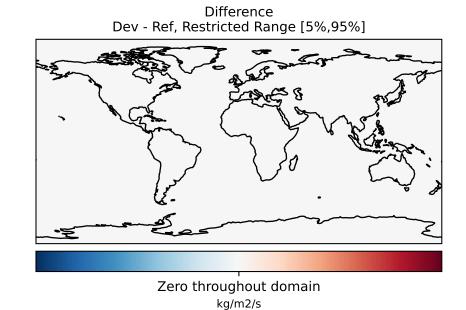
EmispFe_Ship (AnnualMean)



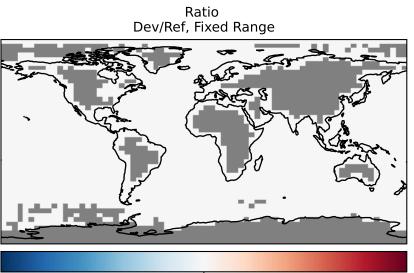
gcc-14.4.0-rc.0 (Dev) 4.0x5.0 1.2 0.4 8.0 0.0 1e-14 kg/m2/s



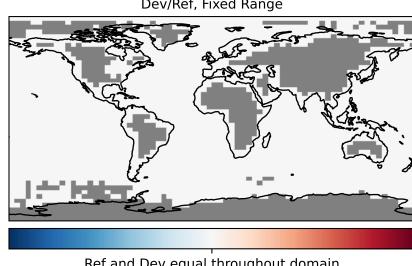
kg/m2/s



Ratio Dev/Ref, Dynamic Range



Ref and Dev equal throughout domain unitless



Ref and Dev equal throughout domain unitless

EmispFe_Total (AnnualMean)

