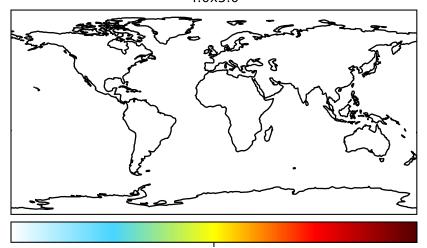
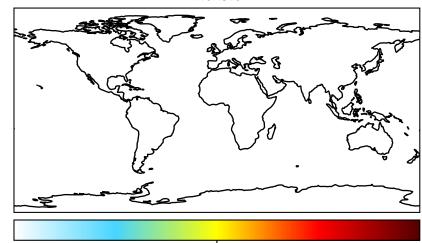
## EmisALD2\_Ship (AnnualMean)

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



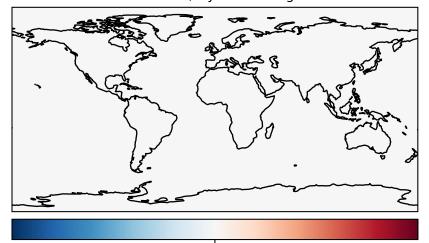
Zero throughout domain kg/m2/s

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



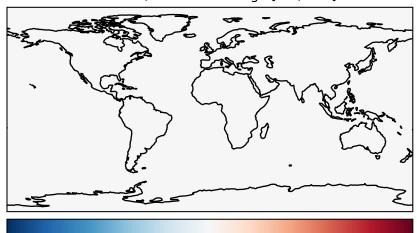
Zero throughout domain kg/m2/s

Difference Dev - Ref, Dynamic Range



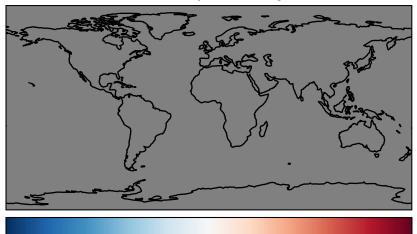
Zero throughout domain kg/m2/s

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



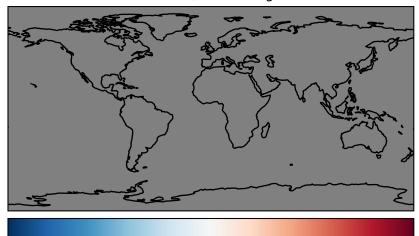
Zero throughout domain kg/m2/s

Ratio Dev/Ref, Dynamic Range



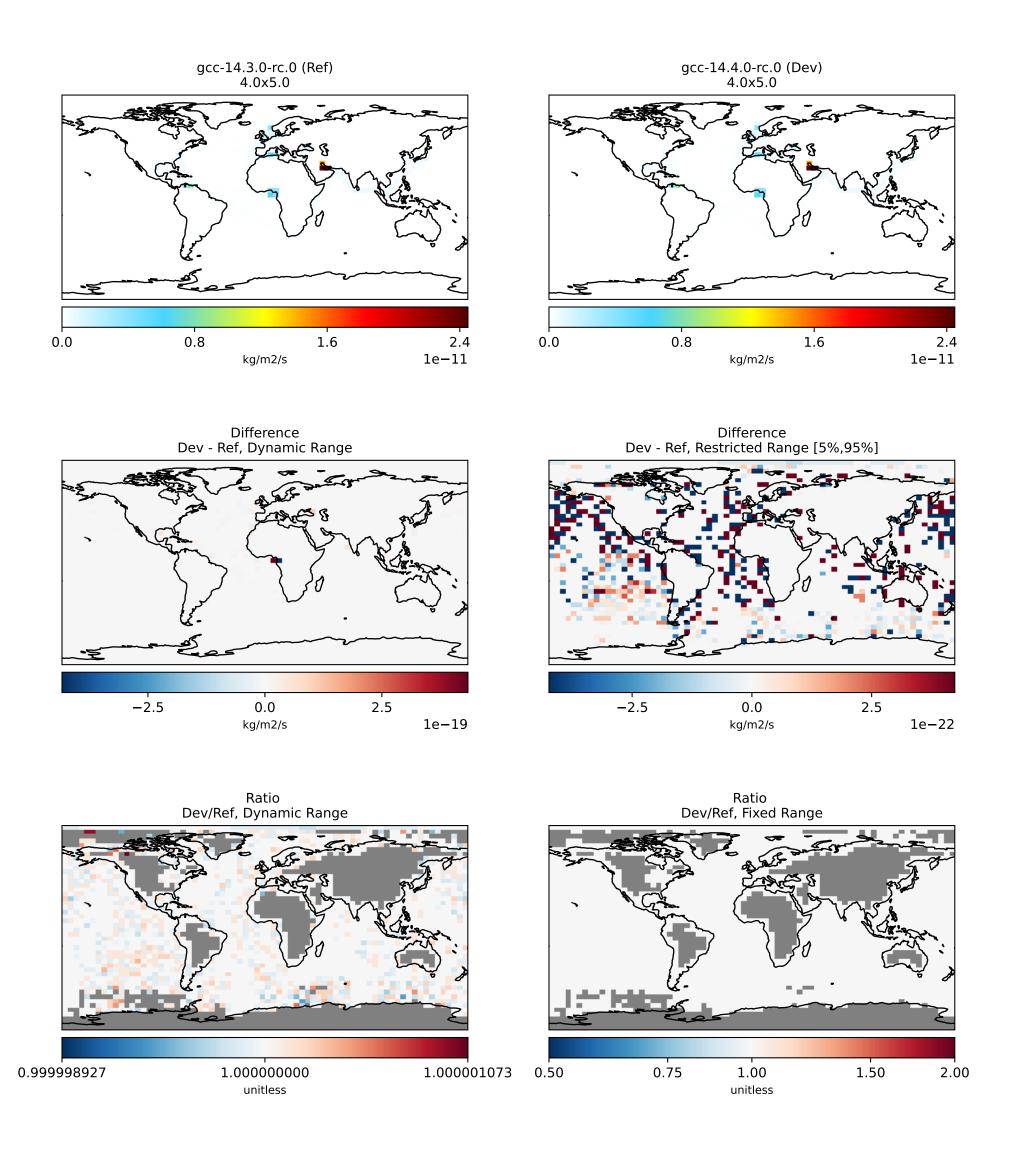
Undefined throughout domain unitless

Ratio Dev/Ref, Fixed Range

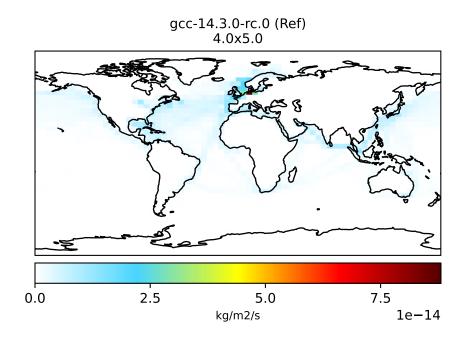


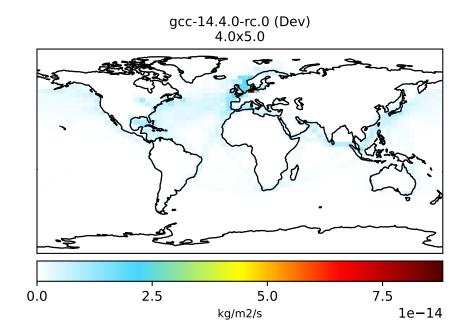
Undefined throughout domain unitless

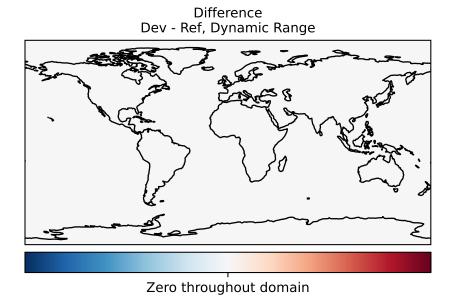
## EmisALK4\_Ship (AnnualMean)



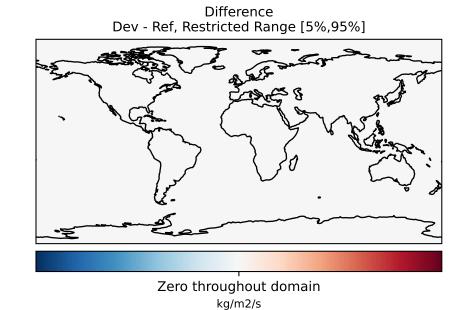
## EmisBCPI\_Ship (AnnualMean)







kg/m2/s



Ratio Dev/Ref, Dynamic Range

Ratio Dev/Ref, Fixed Range

Ref and Dev equal throughout domain

unitless

Ref and Dev equal throughout domain unitless

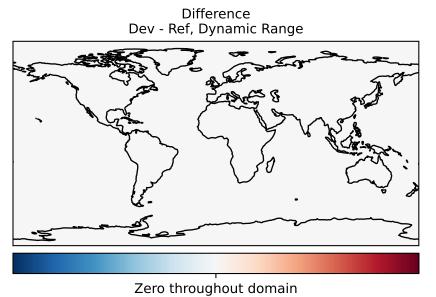
## EmisBCPO\_Ship (AnnualMean)

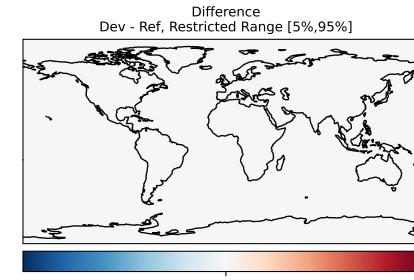
gcc-14.3.0-rc.0 (Ref)
4.0x5.0

1 2 3

kg/m2/s 1e-13

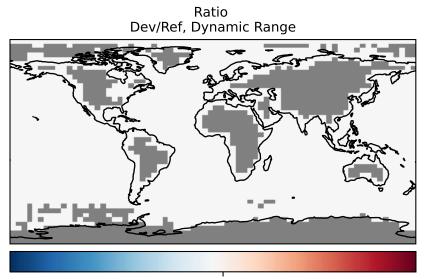
gcc-14.4.0-rc.0 (Dev) 4.0x5.0

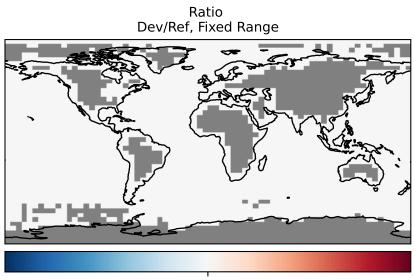




kg/m2/s

Zero throughout domain kg/m2/s

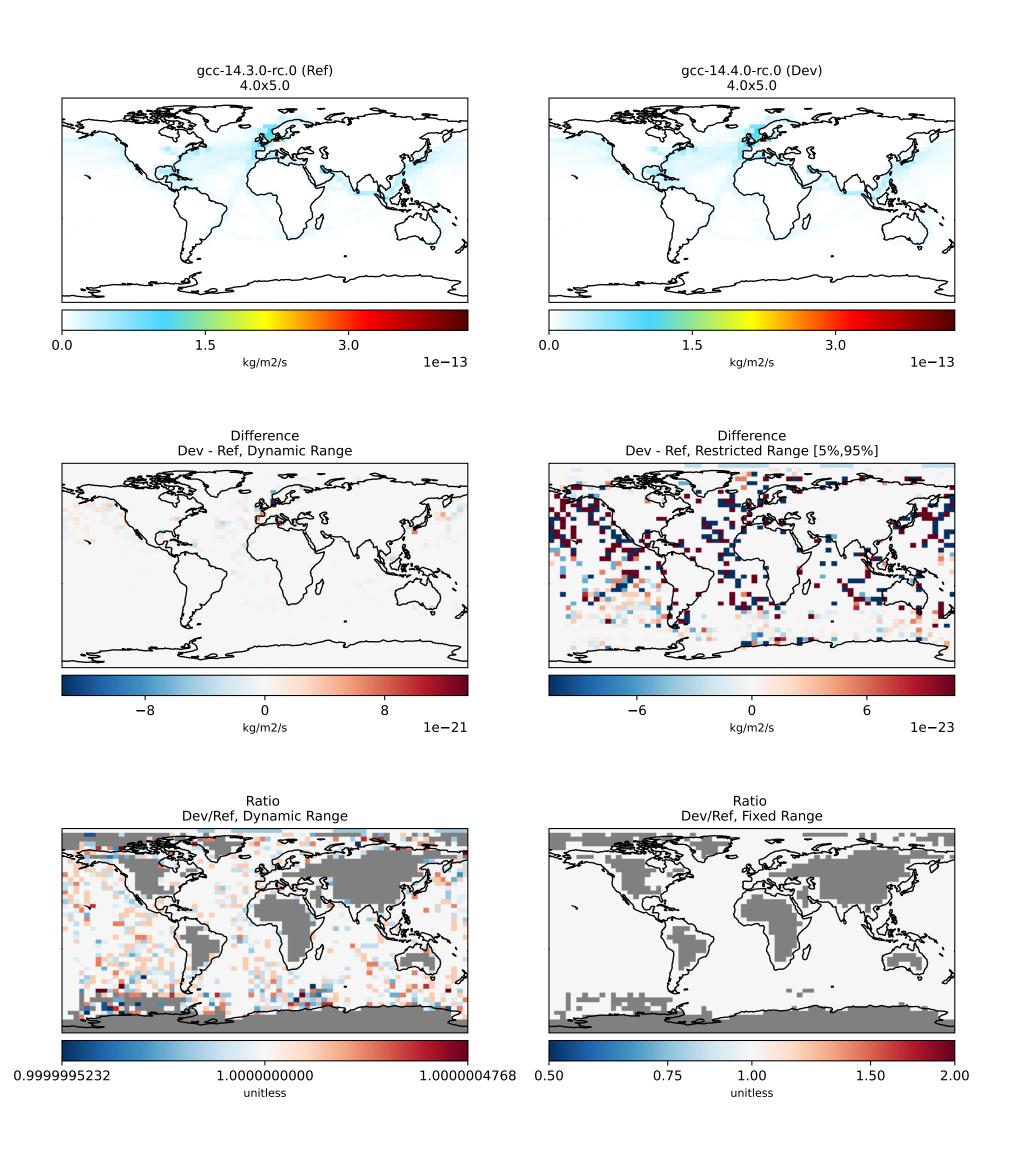




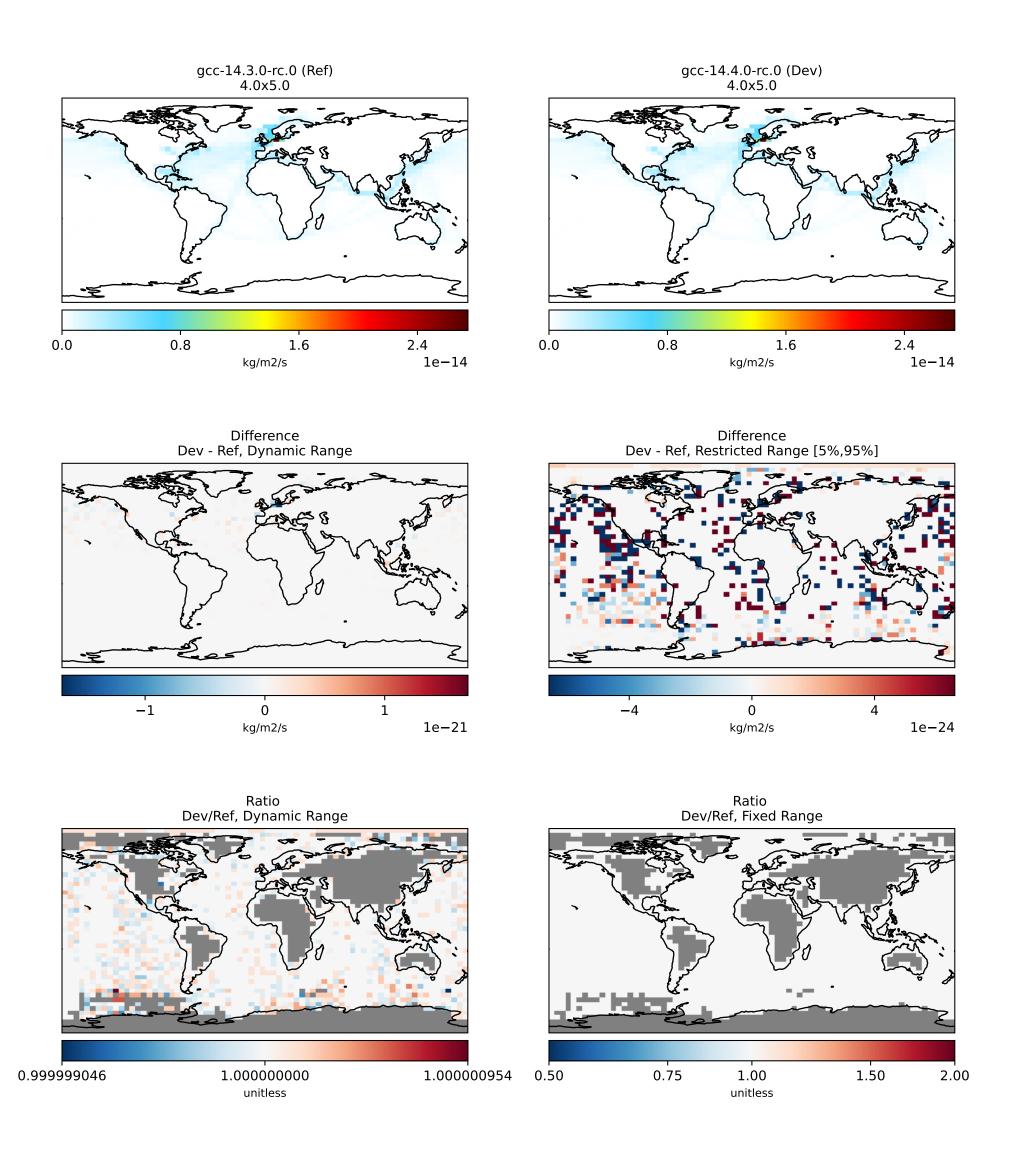
Ref and Dev equal throughout domain unitless

Ref and Dev equal throughout domain unitless

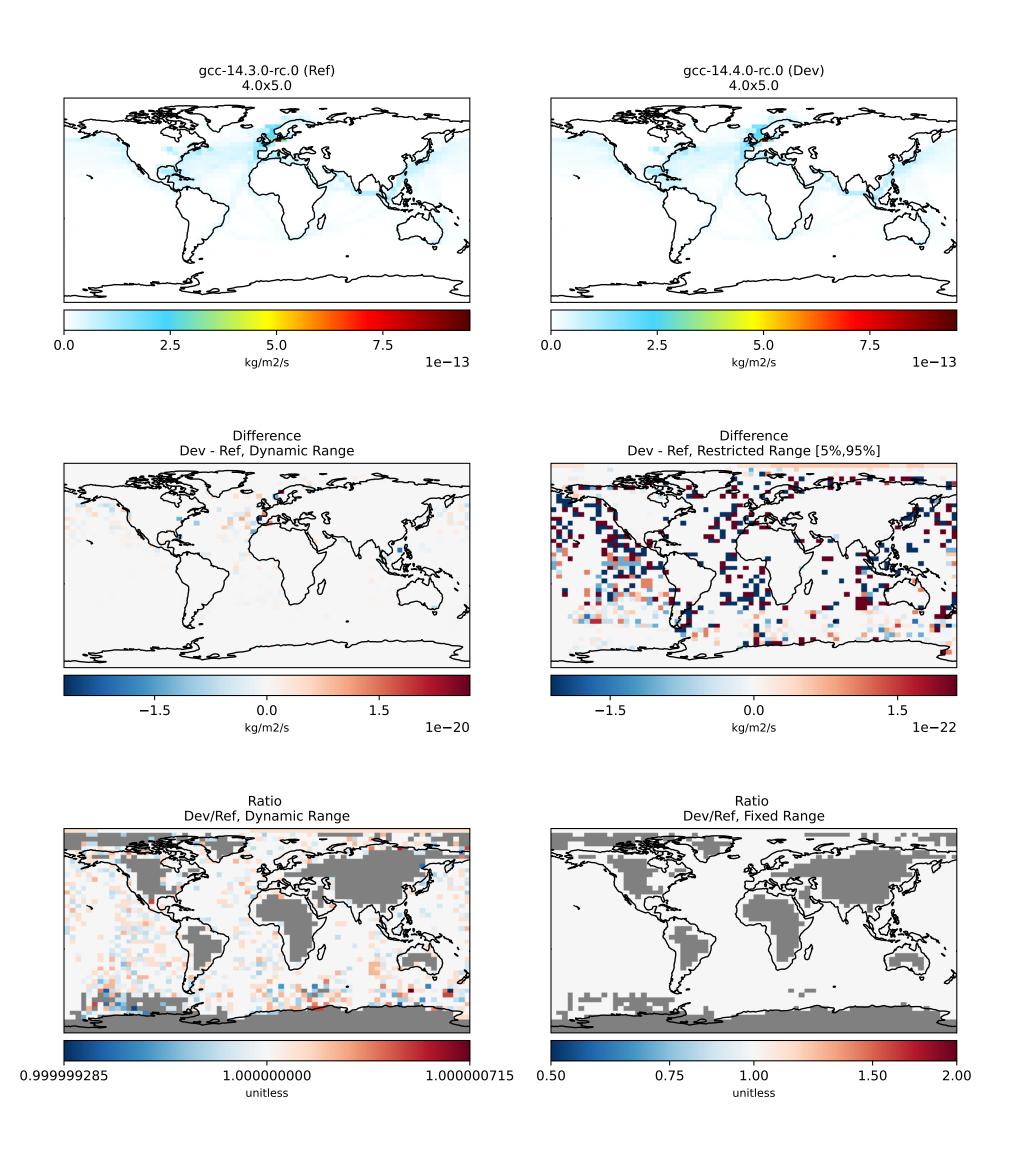
## EmisBENZ\_Ship (AnnualMean)



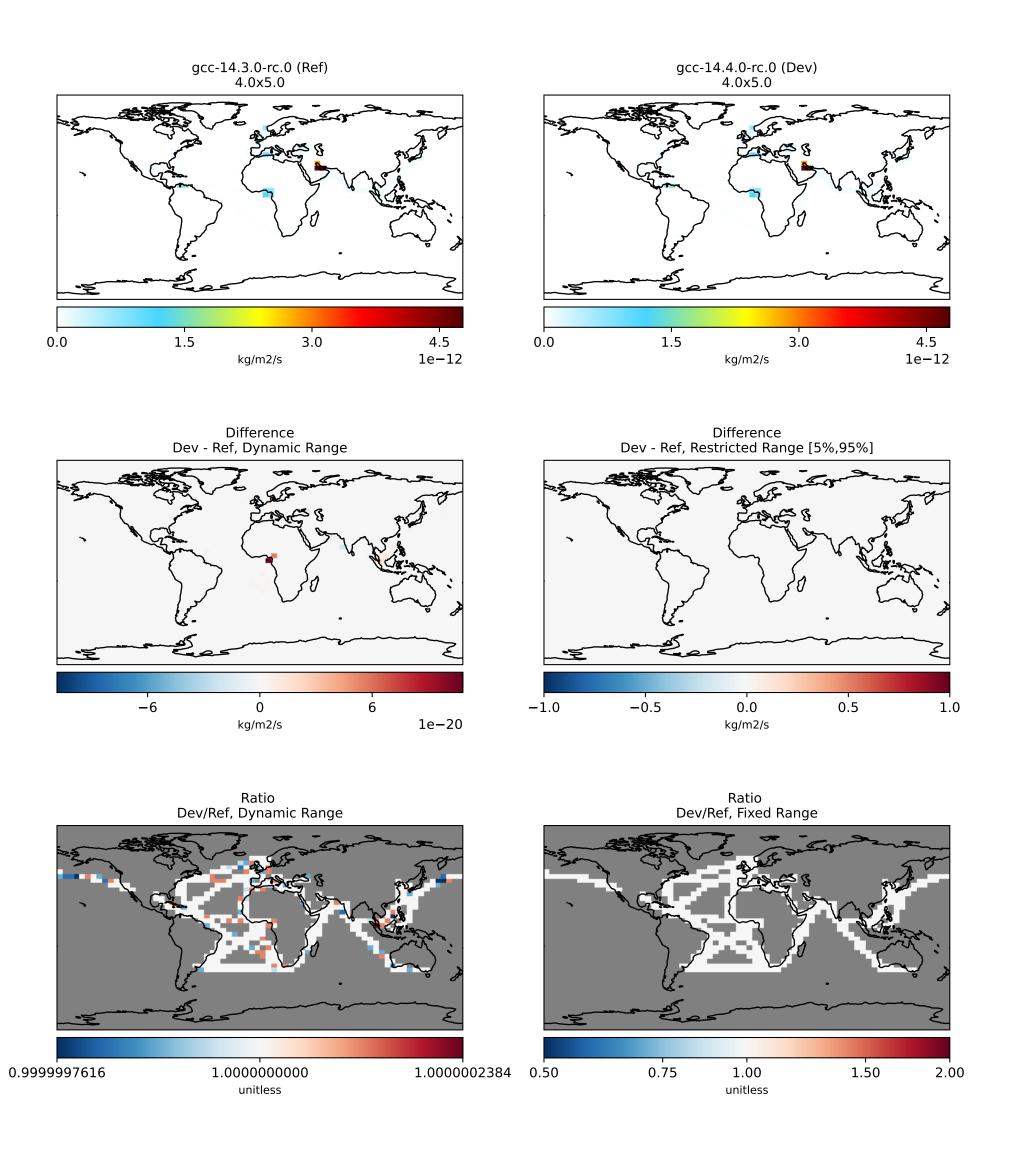
## EmisC2H2\_Ship (AnnualMean)



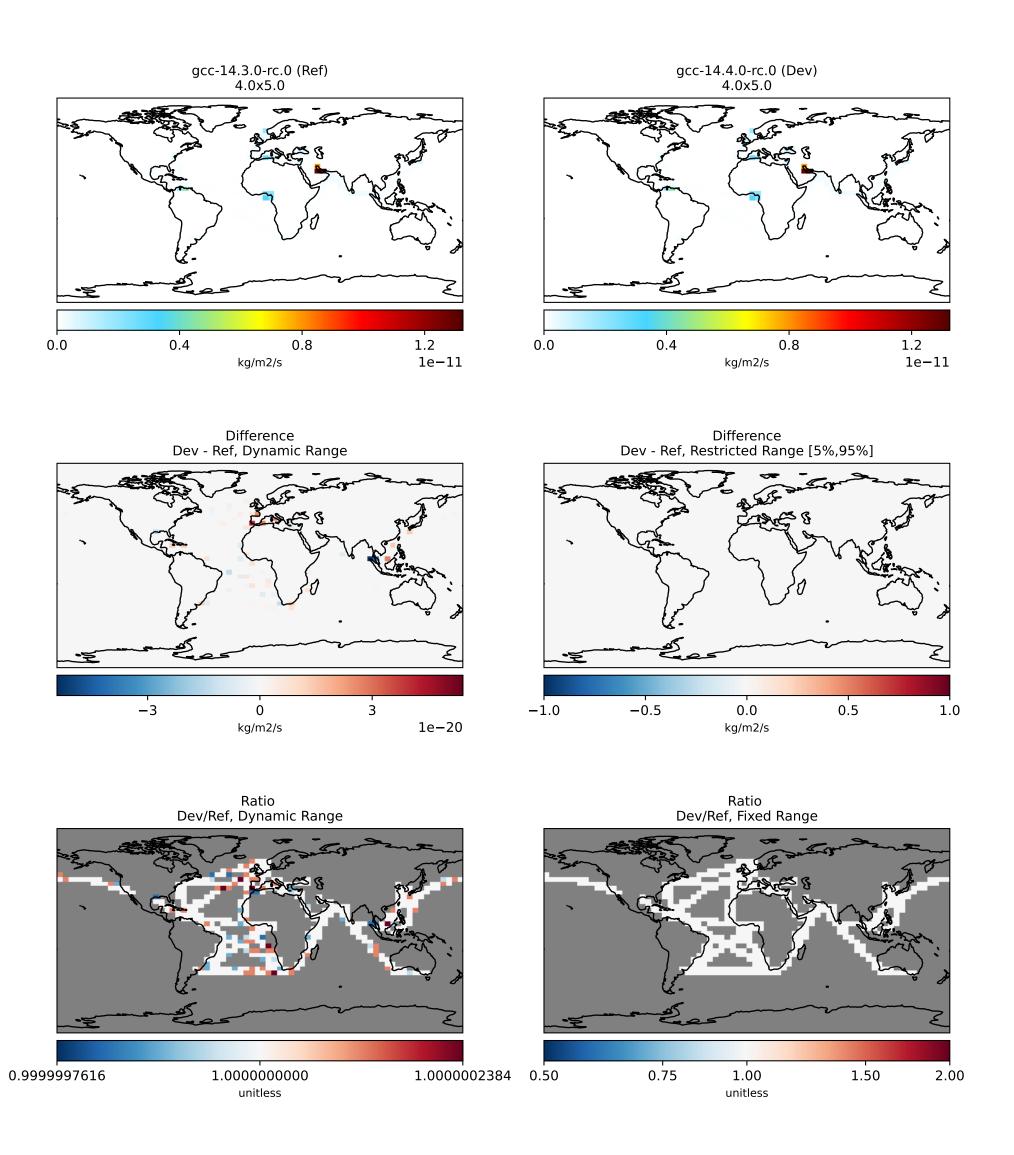
#### EmisC2H4\_Ship (AnnualMean)



#### EmisC2H6\_Ship (AnnualMean)

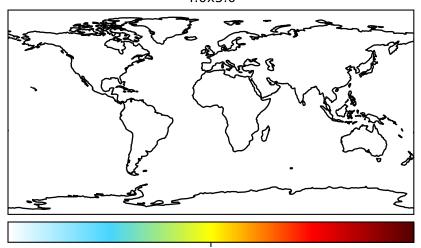


## EmisC3H8\_Ship (AnnualMean)



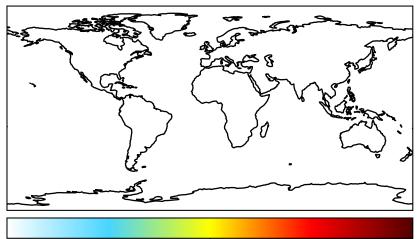
#### EmisCH2O\_Ship (AnnualMean)

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



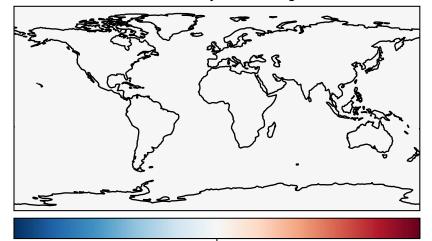
Zero throughout domain kg/m2/s

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



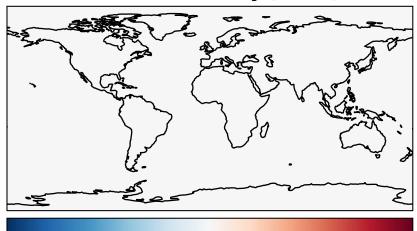
Zero throughout domain kg/m2/s

Difference Dev - Ref, Dynamic Range



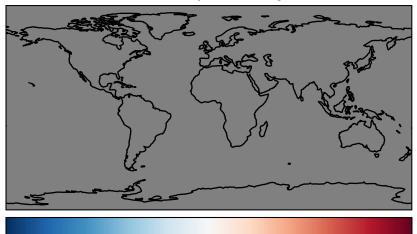
Zero throughout domain kg/m2/s

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



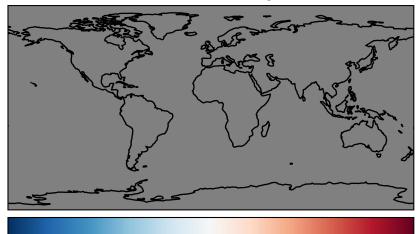
Zero throughout domain kg/m2/s

Ratio Dev/Ref, Dynamic Range



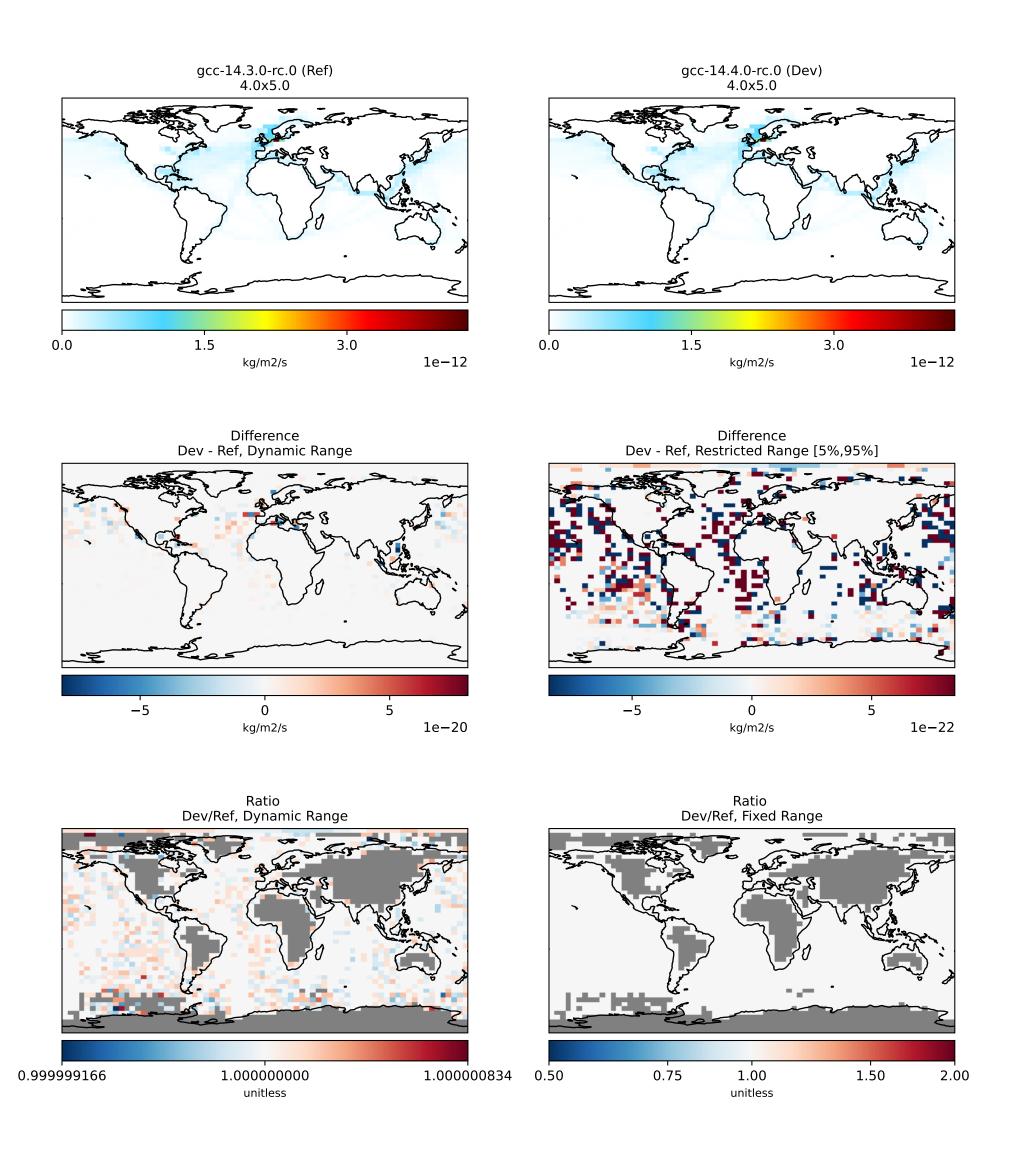
Undefined throughout domain unitless

Ratio Dev/Ref, Fixed Range



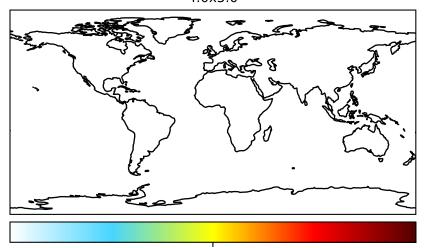
Undefined throughout domain unitless

#### EmisCO\_Ship (AnnualMean)



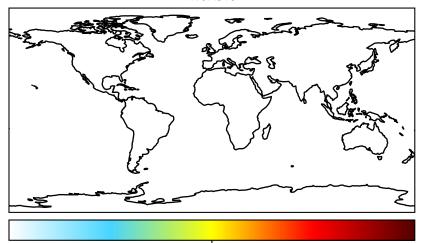
#### EmisEOH\_Ship (AnnualMean)

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



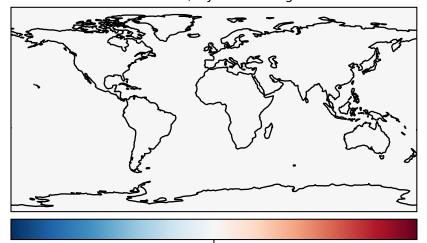
Zero throughout domain kg/m2/s

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



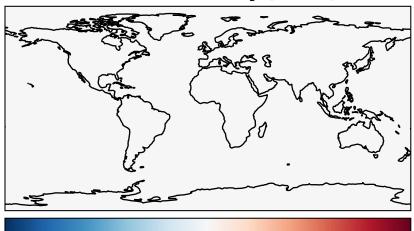
Zero throughout domain kg/m2/s

Difference Dev - Ref, Dynamic Range



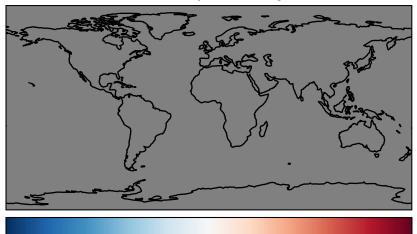
Zero throughout domain kg/m2/s

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



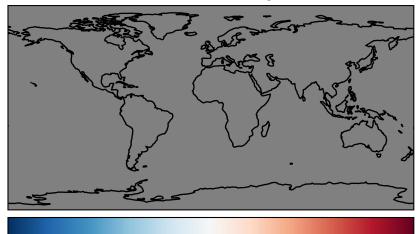
Zero throughout domain kg/m2/s

Ratio Dev/Ref, Dynamic Range



Undefined throughout domain unitless

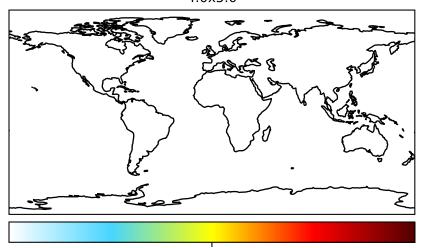
Ratio Dev/Ref, Fixed Range



Undefined throughout domain unitless

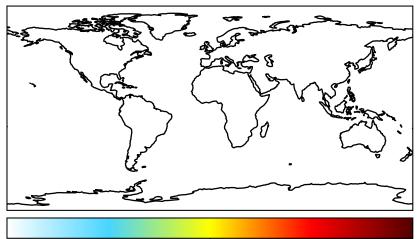
#### EmisHCOOH\_Ship (AnnualMean)

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



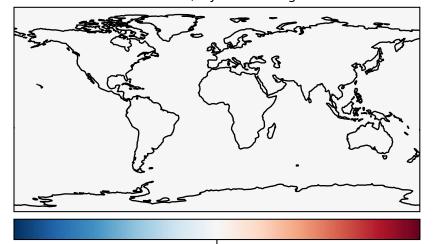
Zero throughout domain kg/m2/s

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



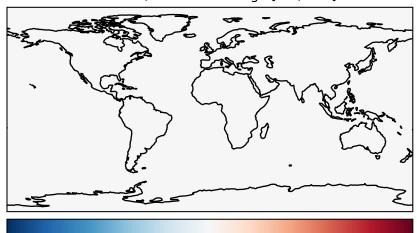
Zero throughout domain kg/m2/s

Difference Dev - Ref, Dynamic Range



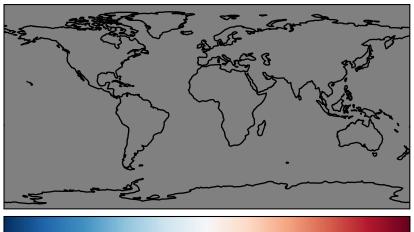
Zero throughout domain kg/m2/s

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



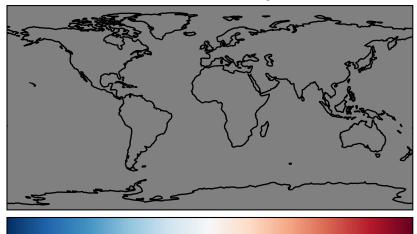
Zero throughout domain kg/m2/s

Ratio Dev/Ref, Dynamic Range



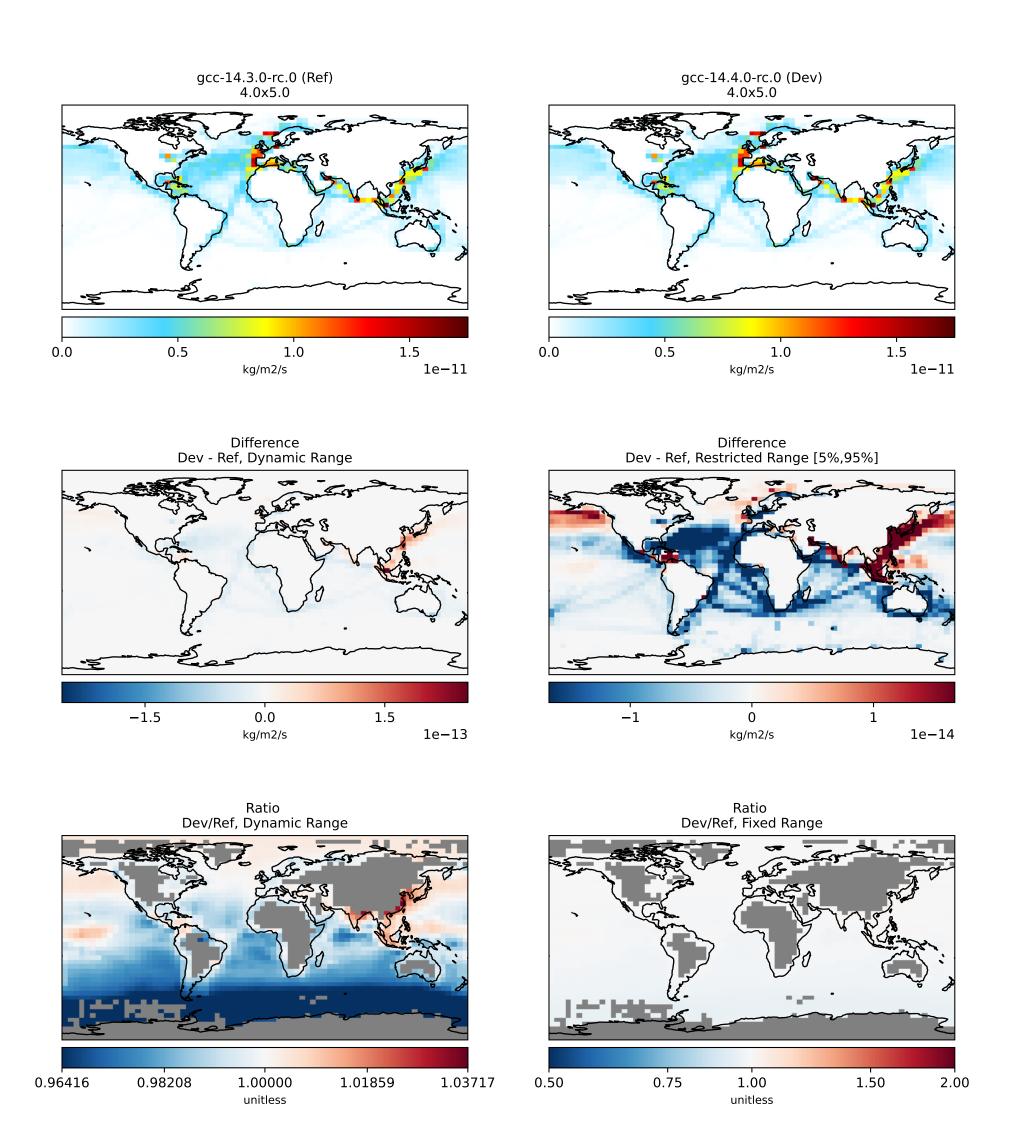
Undefined throughout domain unitless

Ratio Dev/Ref, Fixed Range



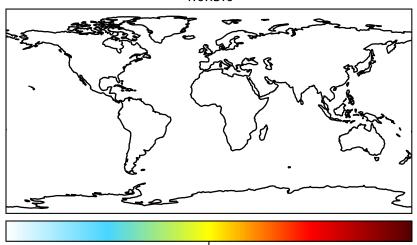
Undefined throughout domain unitless

## EmisHNO3\_Ship (AnnualMean)



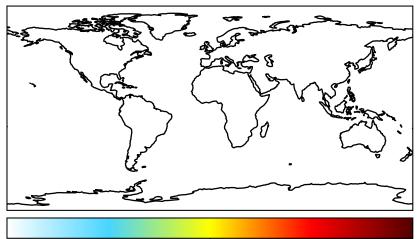
#### EmisMEK\_Ship (AnnualMean)

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



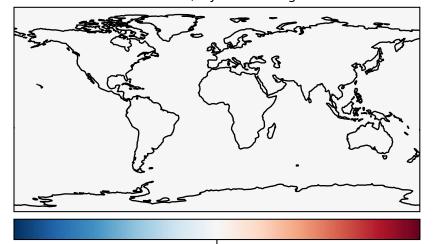
Zero throughout domain kg/m2/s

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



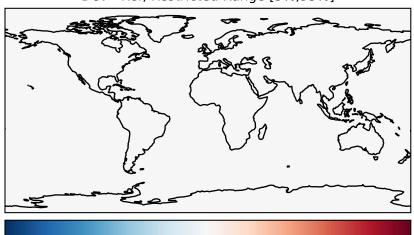
Zero throughout domain kg/m2/s

Difference Dev - Ref, Dynamic Range



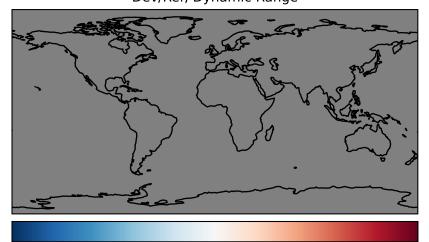
Zero throughout domain kg/m2/s

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



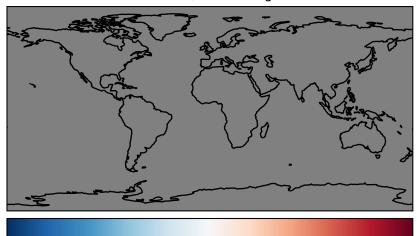
Zero throughout domain kg/m2/s

Ratio Dev/Ref, Dynamic Range



Undefined throughout domain unitless

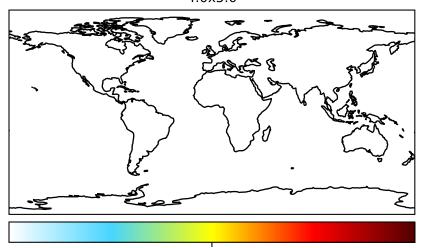
Ratio Dev/Ref, Fixed Range



Undefined throughout domain unitless

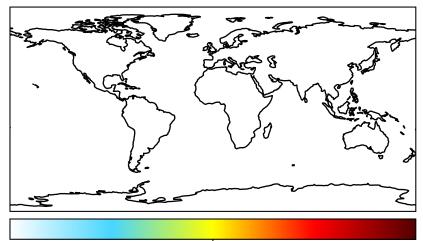
## EmisMOH\_Ship (AnnualMean)

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



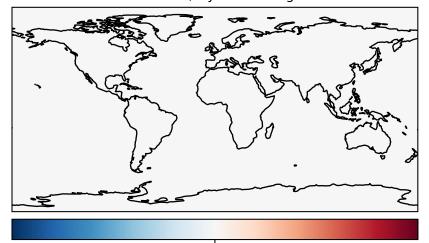
Zero throughout domain kg/m2/s

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



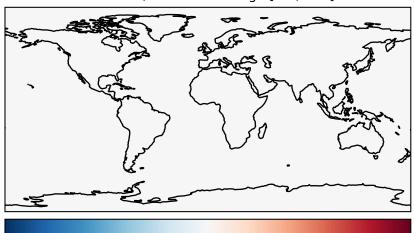
Zero throughout domain kg/m2/s

Difference Dev - Ref, Dynamic Range



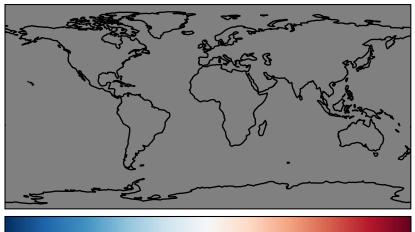
Zero throughout domain kg/m2/s

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



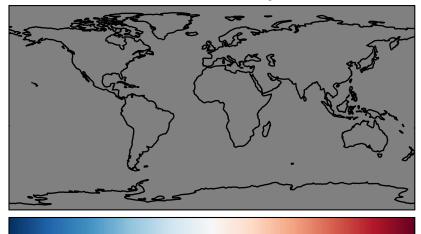
Zero throughout domain kg/m2/s

Ratio Dev/Ref, Dynamic Range



Undefined throughout domain unitless

Ratio Dev/Ref, Fixed Range

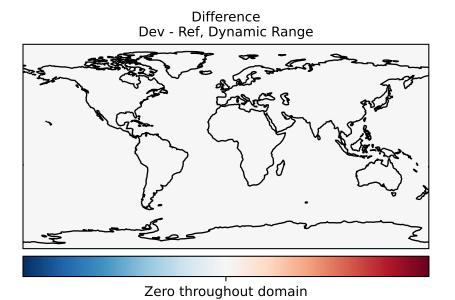


Undefined throughout domain unitless

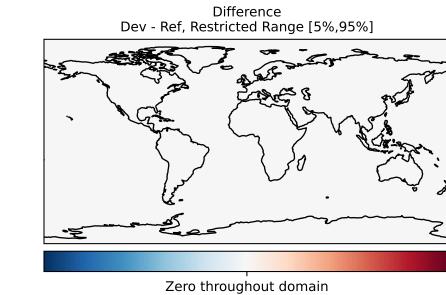
#### EmisNH3\_Ship (AnnualMean)

0.0 0.8 1.6 2.4 kg/m2/s 1e-14

0.0 0.8 1.6 2.4 kg/m2/s 1.e-14

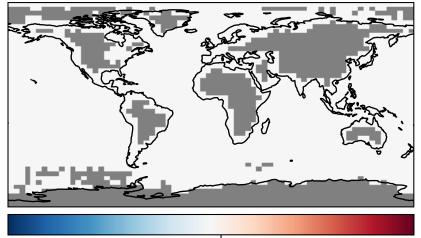


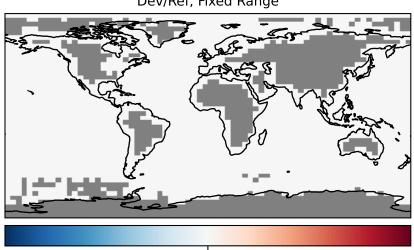
kg/m2/s



Ratio Dev/Ref, Dynamic Range





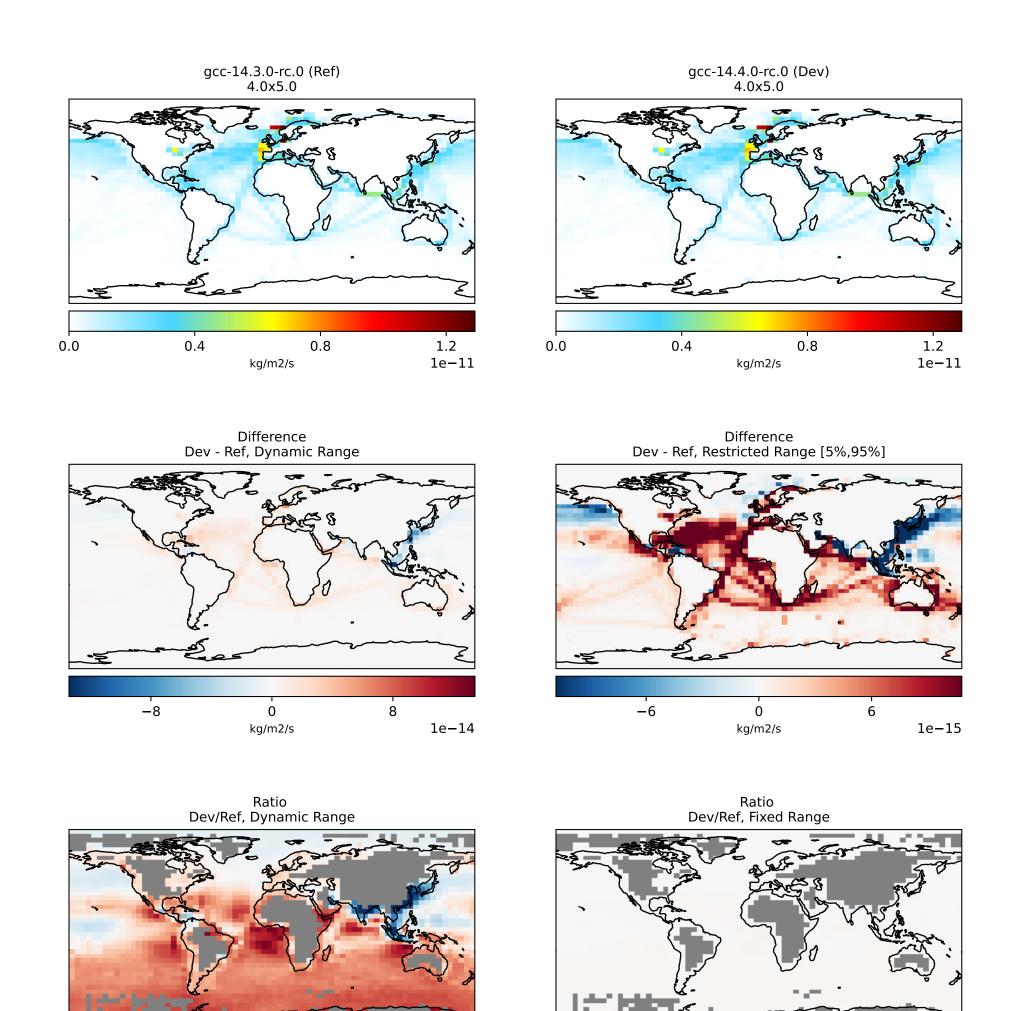


kg/m2/s

Ref and Dev equal throughout domain unitless

Ref and Dev equal throughout domain unitless

## EmisNO2\_Ship (AnnualMean)



1.02627

0.50

1.01314

0.97440

0.98720

1.00000

unitless

0.75

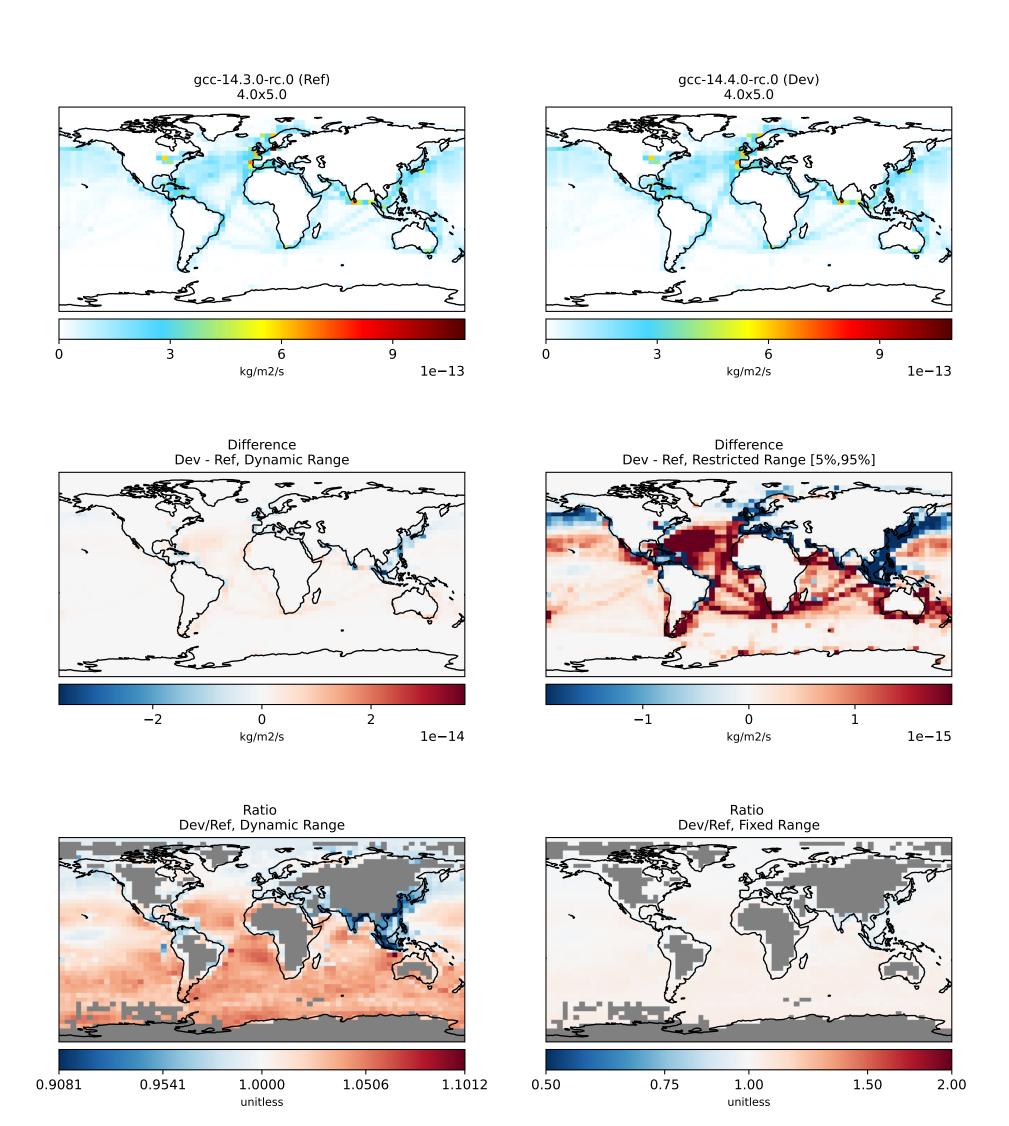
1.00

unitless

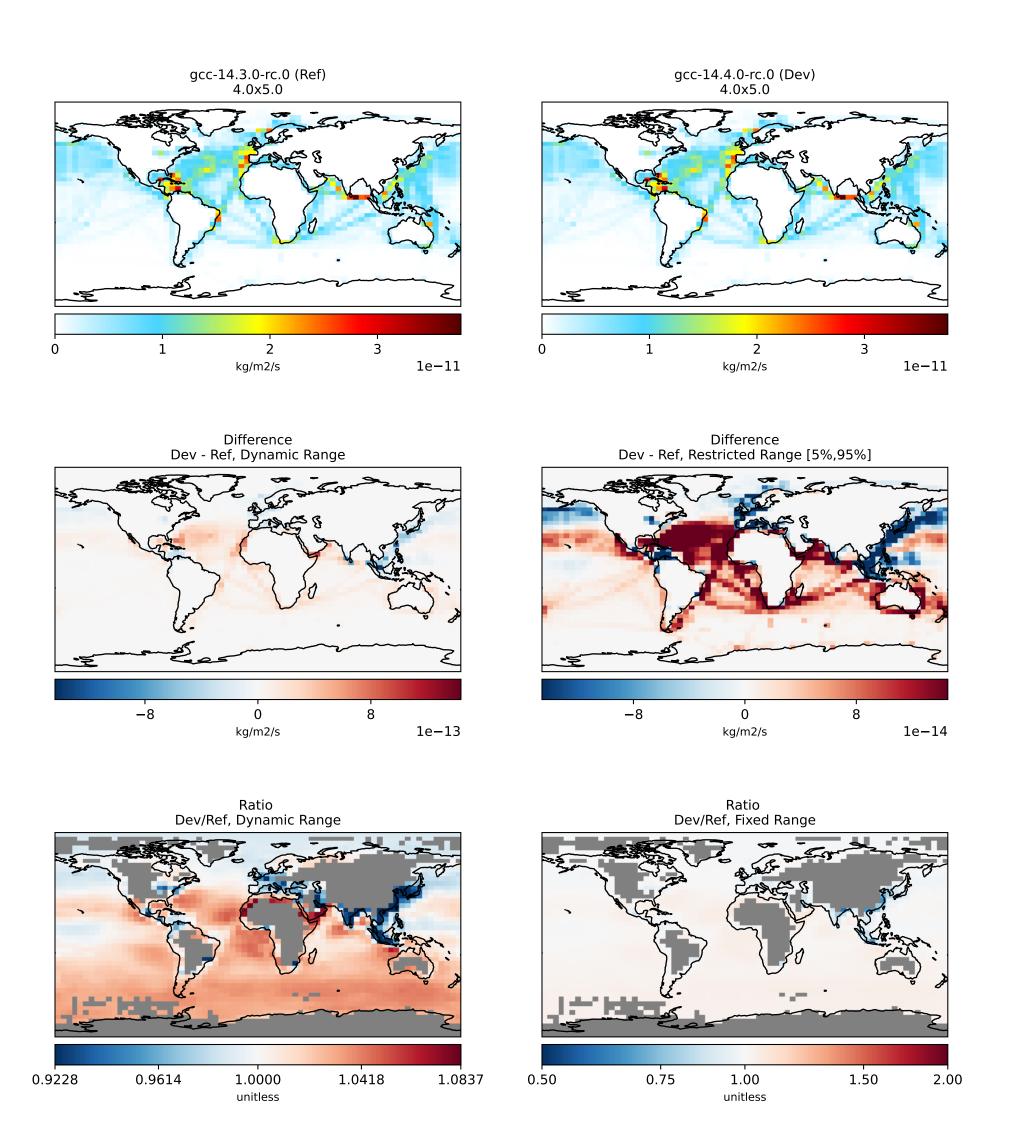
1.50

2.00

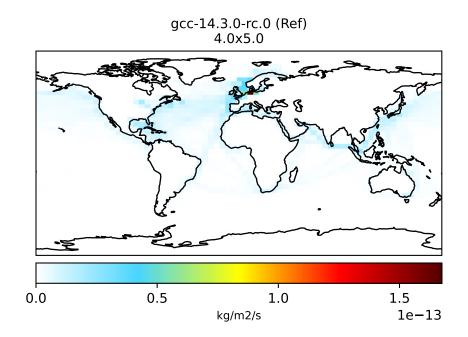
## EmisNO\_Ship (AnnualMean)

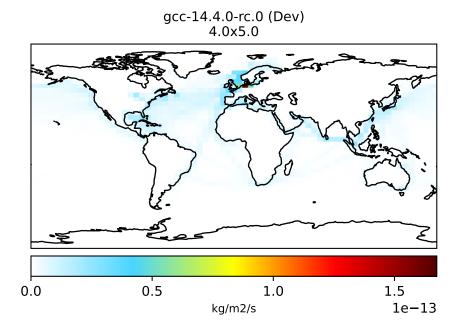


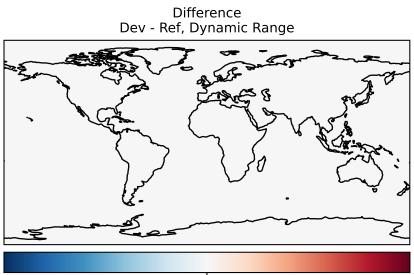
## EmisO3\_Ship (AnnualMean)

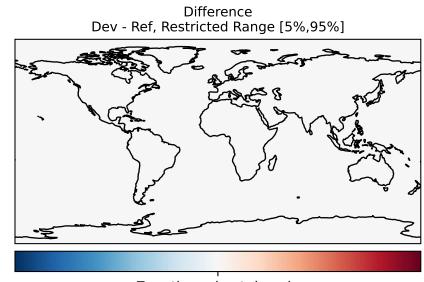


#### EmisOCPI\_Ship (AnnualMean)



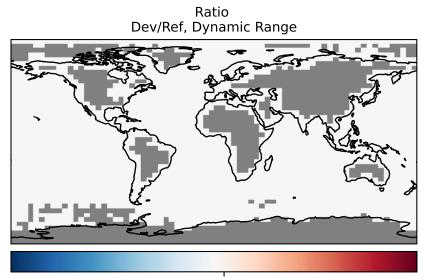


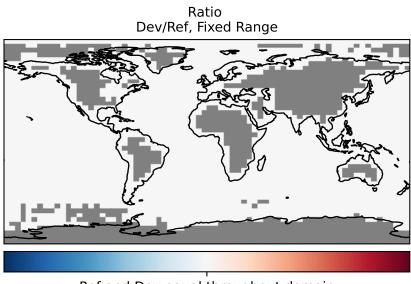




Zero throughout domain kg/m2/s

Zero throughout domain kg/m2/s

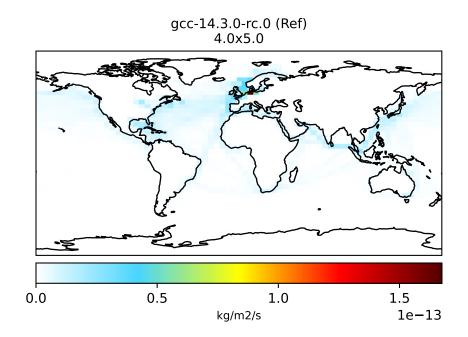




Ref and Dev equal throughout domain unitless

Ref and Dev equal throughout domain unitless

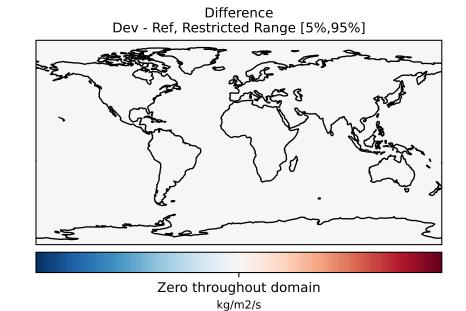
## EmisOCPO\_Ship (AnnualMean)



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

Difference Dev - Ref, Dynamic Range

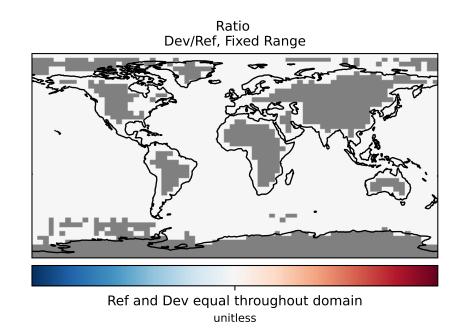
Zero throughout domain kg/m2/s



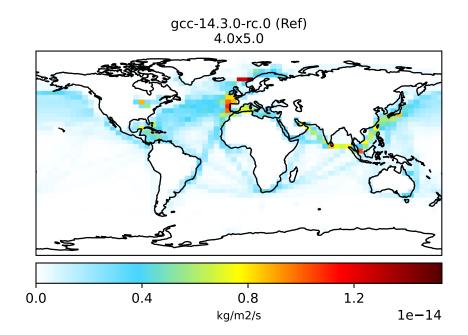
Ratio Dev/Ref, Dynamic Range

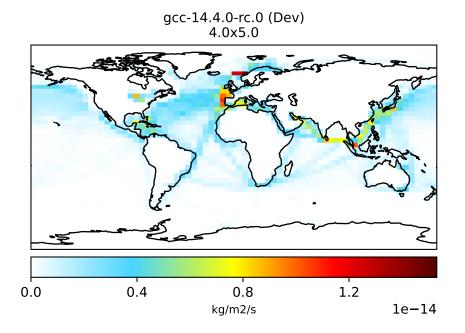
Ref and Dev equal throughout domain

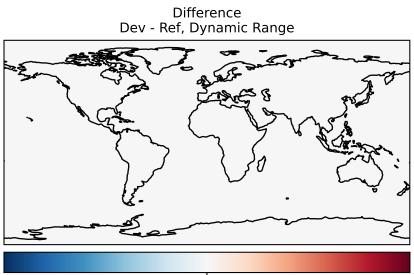
unitless

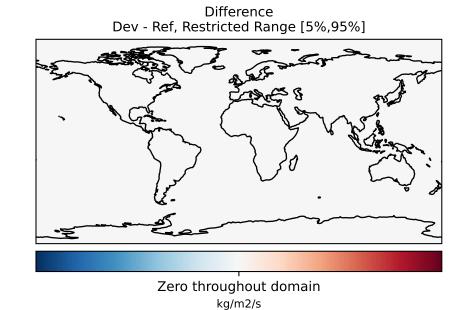


#### EmispFe\_Ship (AnnualMean)

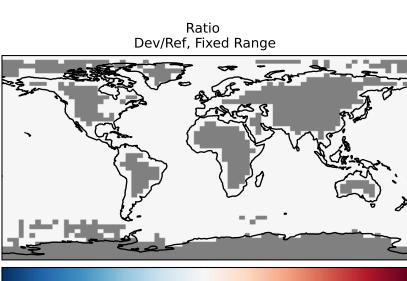








Zero throughout domain kg/m2/s

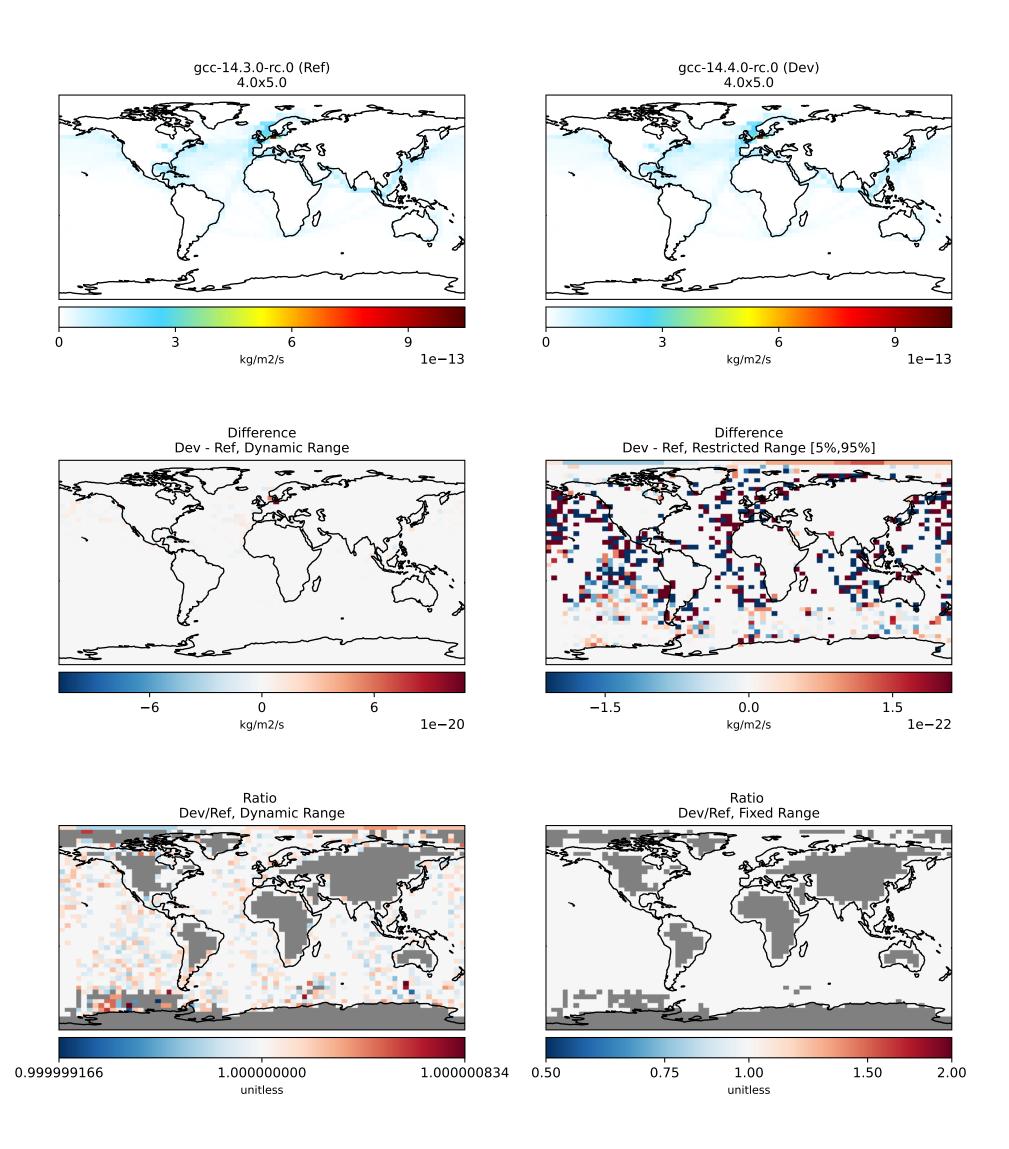


Ratio Dev/Ref, Dynamic Range

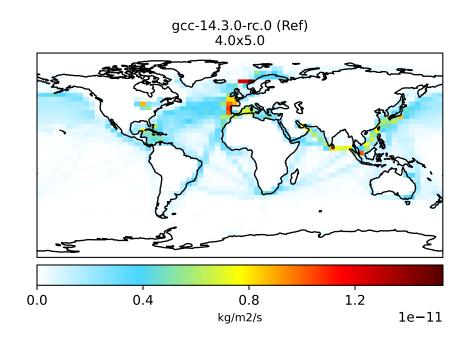
Ref and Dev equal throughout domain unitless

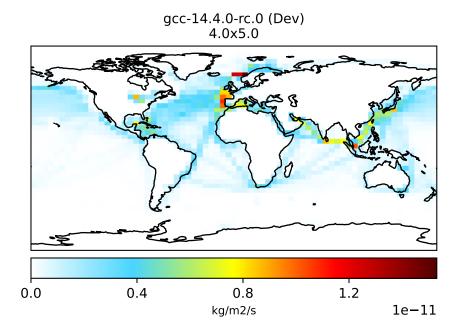
Ref and Dev equal throughout domain unitless

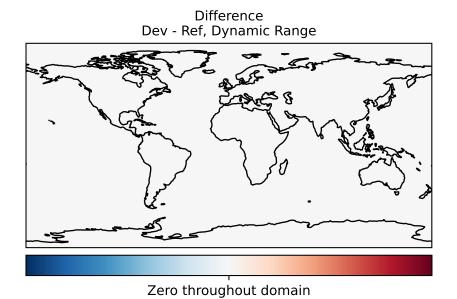
## EmisPRPE\_Ship (AnnualMean)



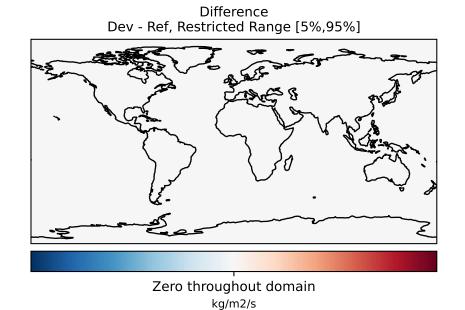
# EmisSO2\_Ship (AnnualMean)

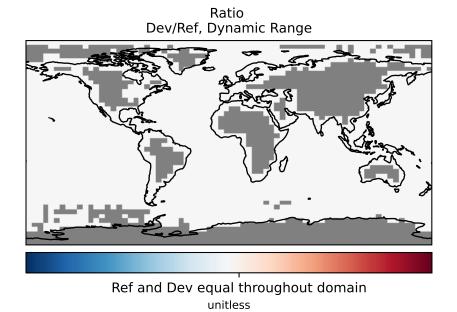


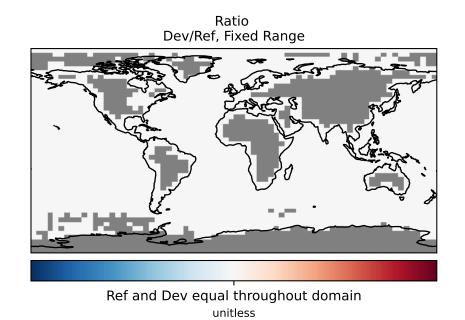




kg/m2/s



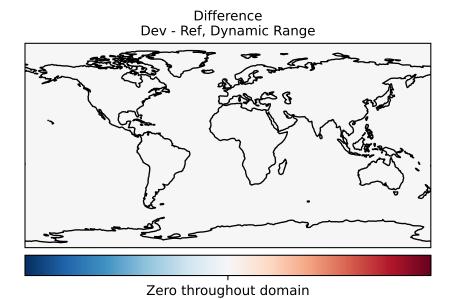




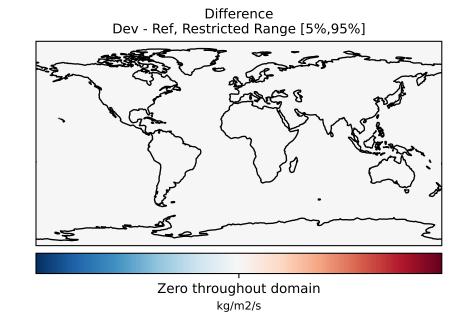
#### EmisSO4\_Ship (AnnualMean)

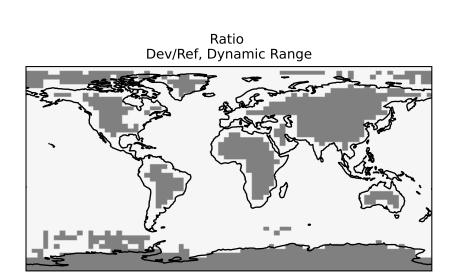
0.0 1.5 3.0 4.5 kg/m2/s 1e-13

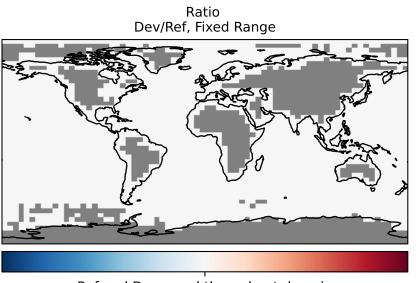
gcc-14.4.0-rc.0 (Dev) 4.0x5.0



kg/m2/s



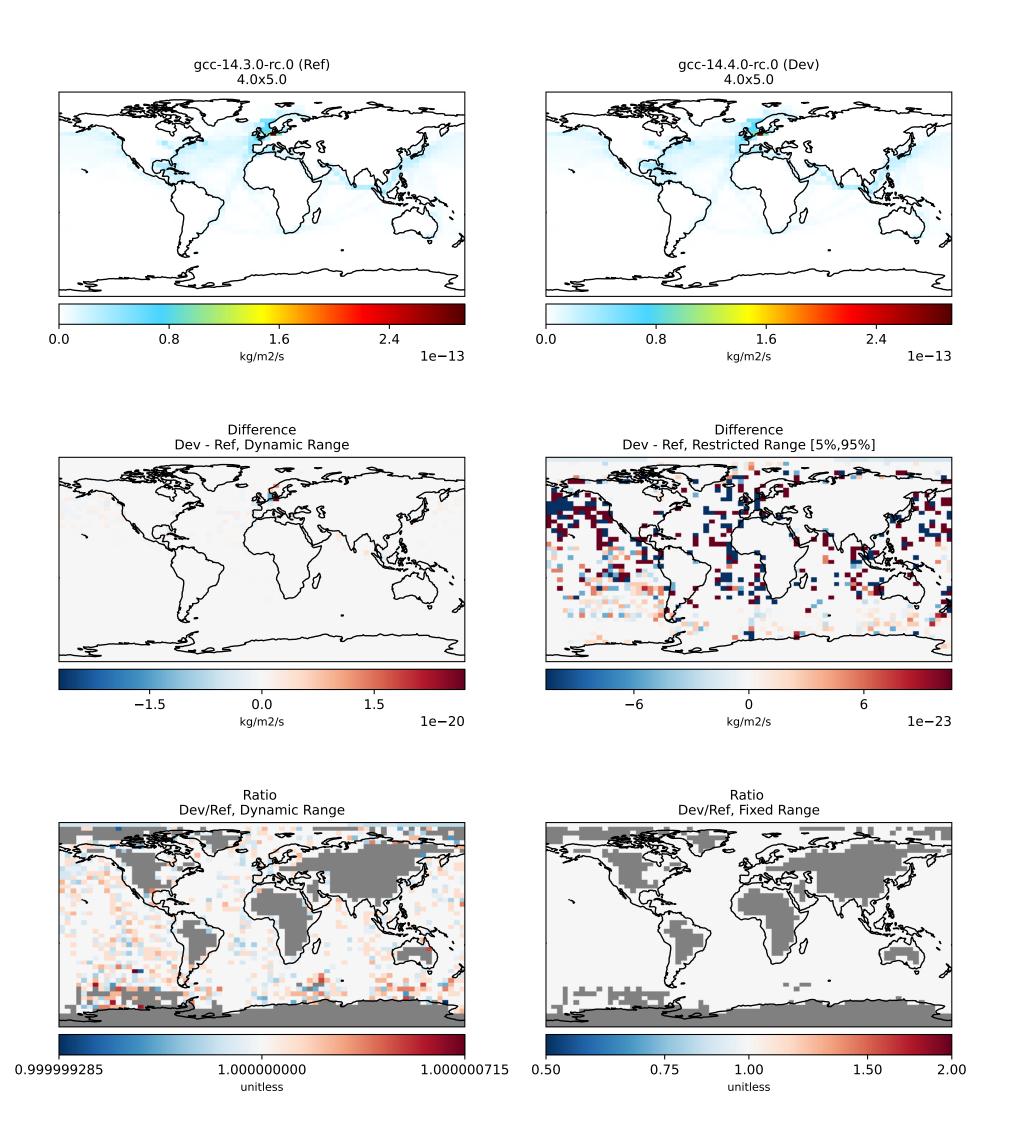




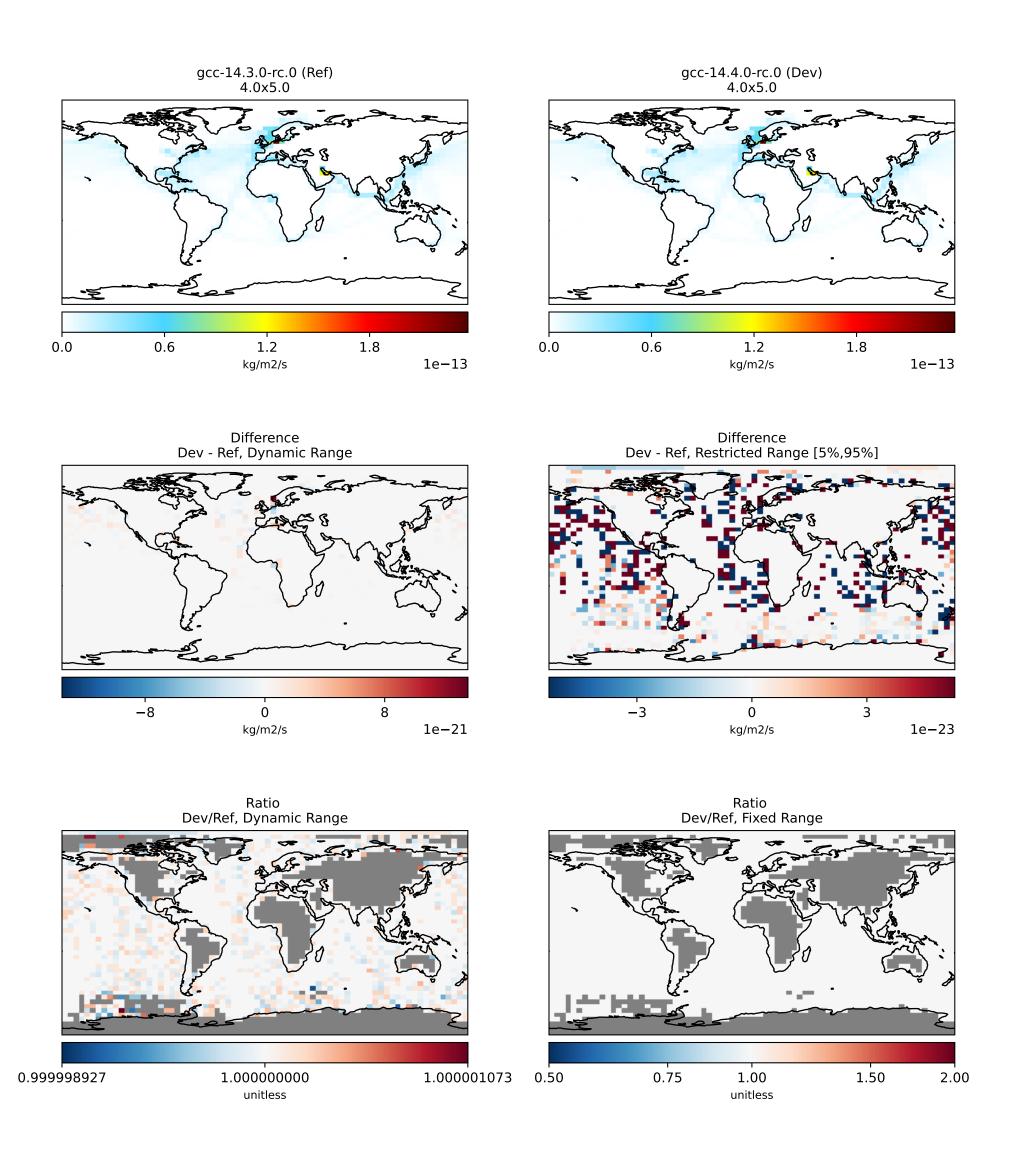
Ref and Dev equal throughout domain unitless

Ref and Dev equal throughout domain unitless

## EmisSOAP\_Ship (AnnualMean)



## EmisTOLU\_Ship (AnnualMean)



## EmisXYLE\_Ship (AnnualMean)

