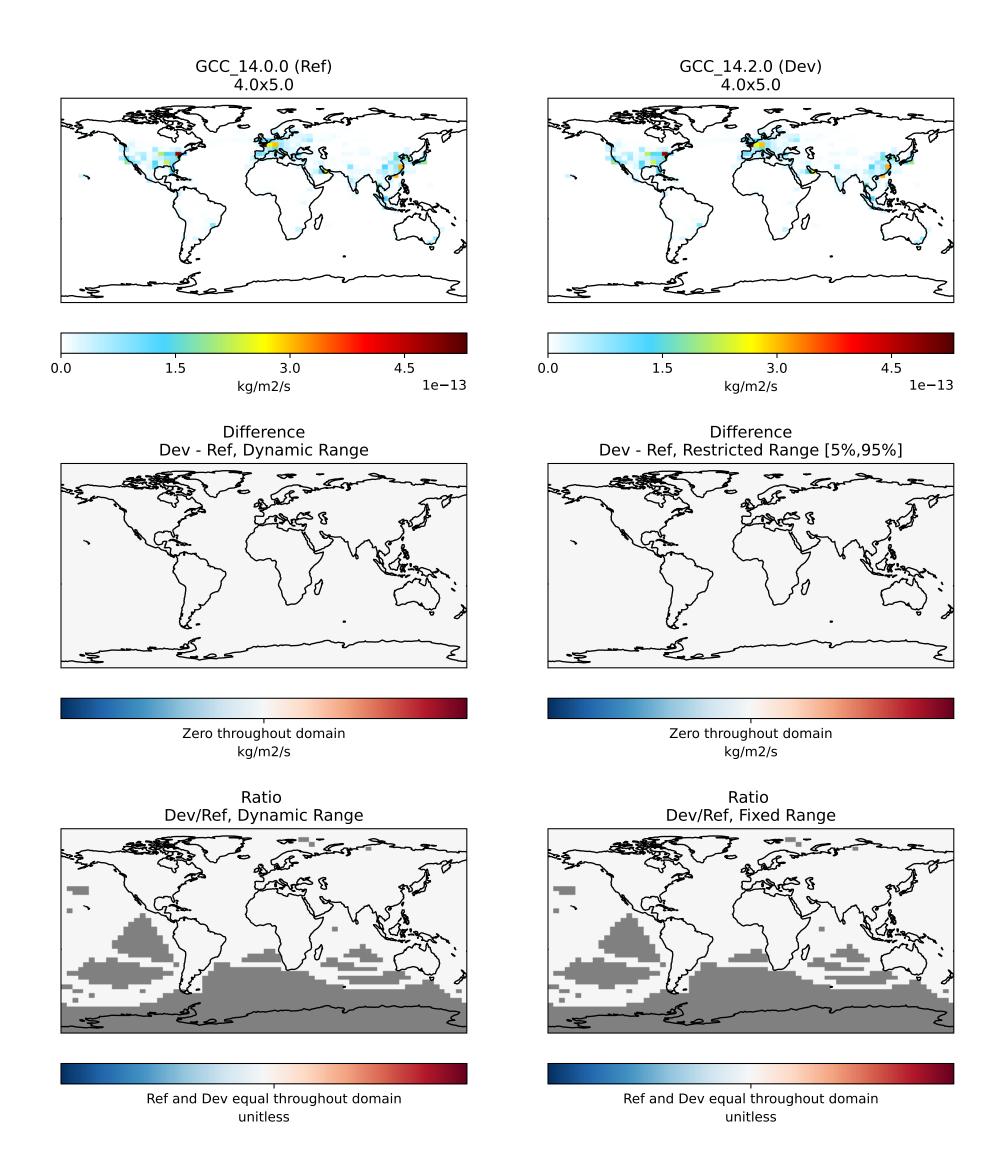
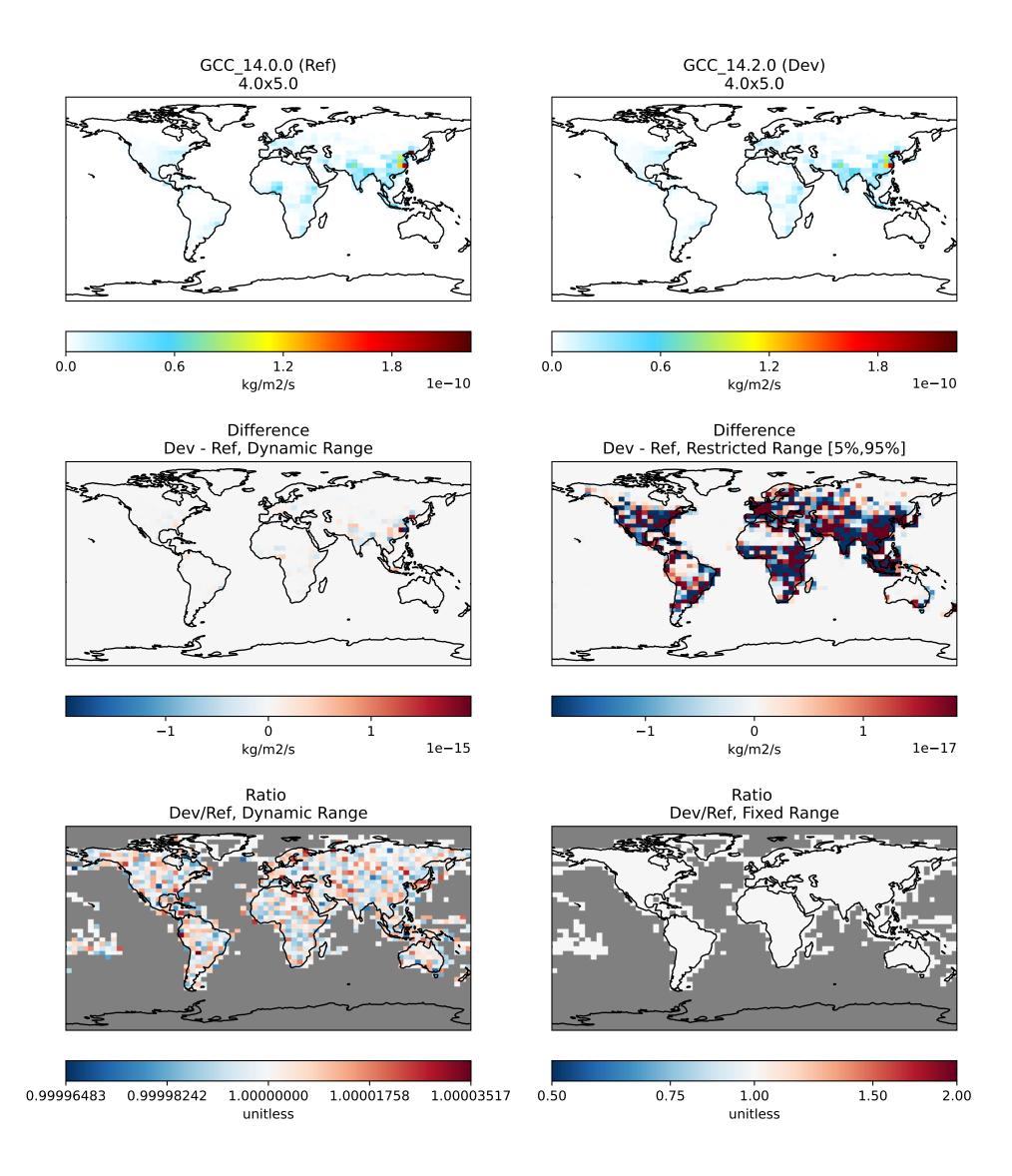
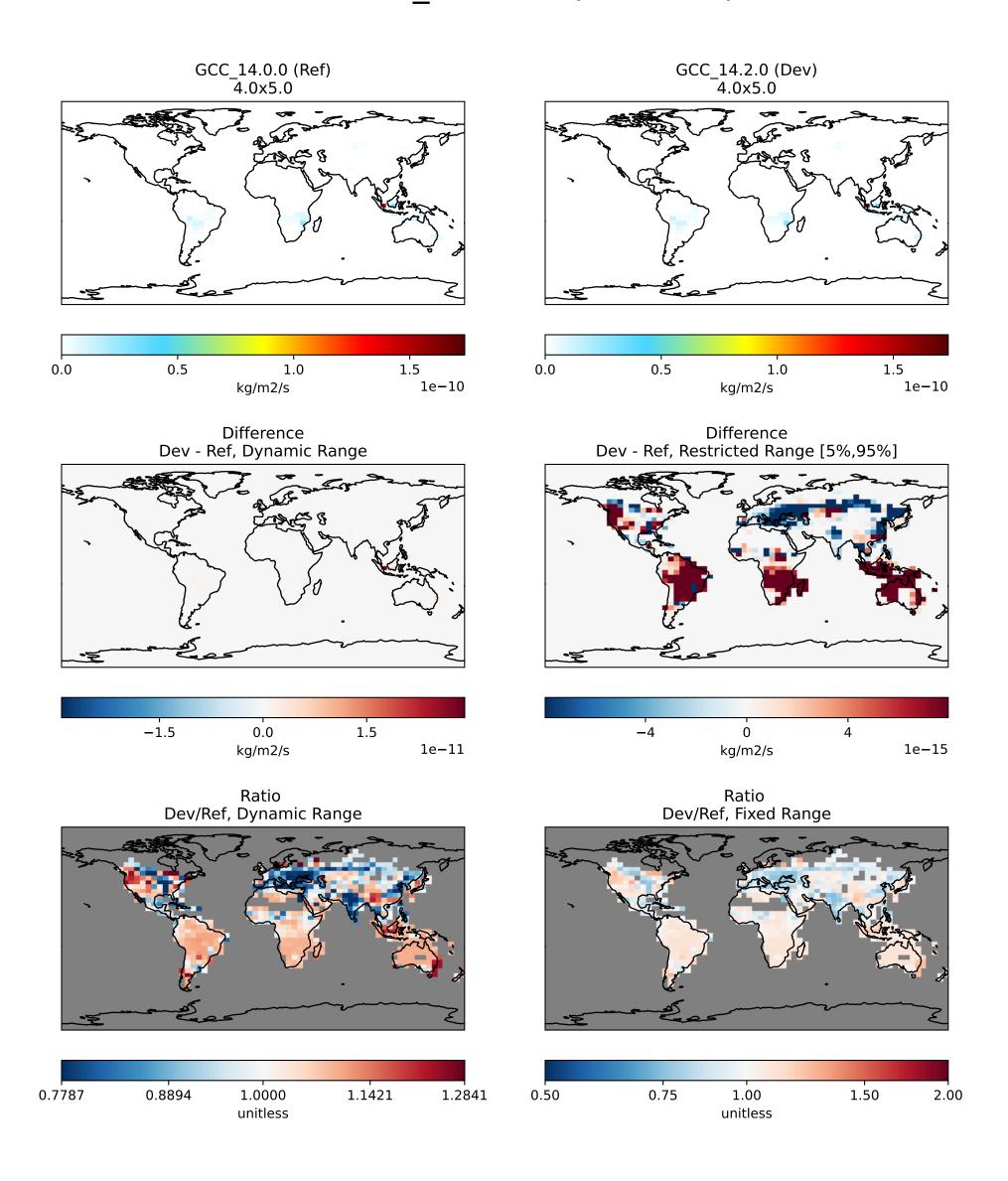
### EmisSOAP\_Aircraft (Oct2019)



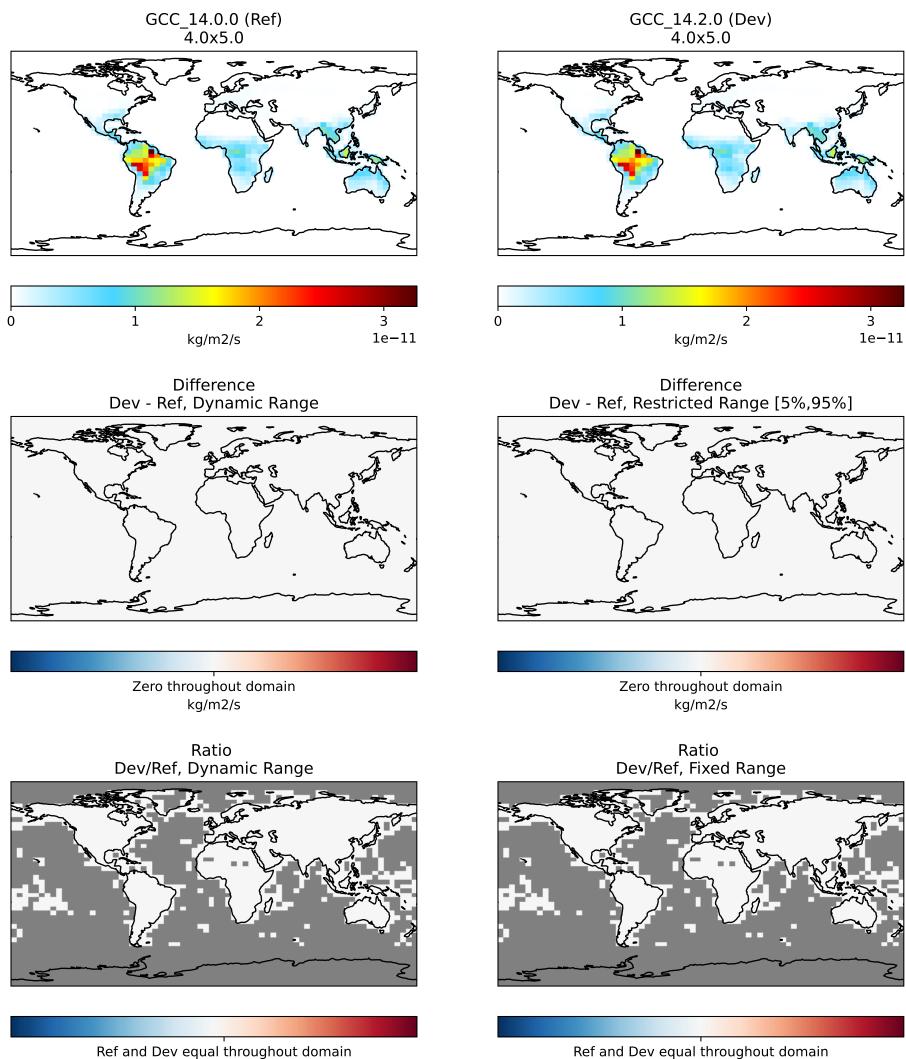
### EmisSOAP\_Anthro (Oct2019)



### EmisSOAP\_BioBurn (Oct2019)



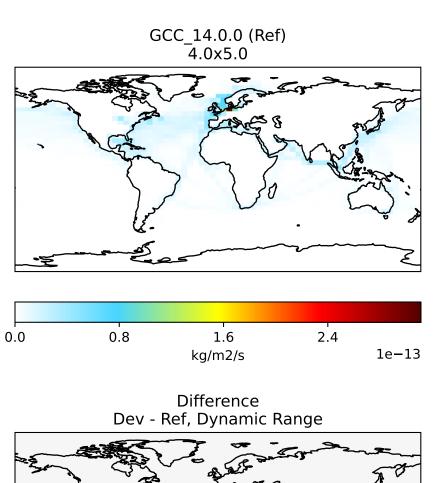
### EmisSOAP\_Biogenic (Oct2019)

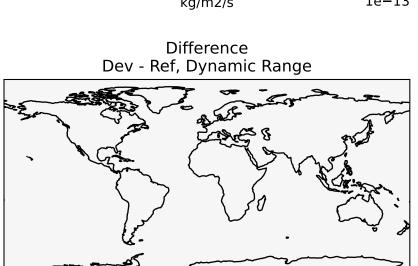


unitless

Ref and Dev equal throughout domain unitless

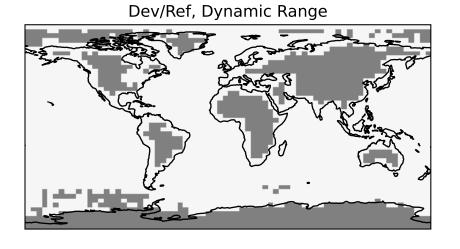
# EmisSOAP\_Ship (Oct2019)



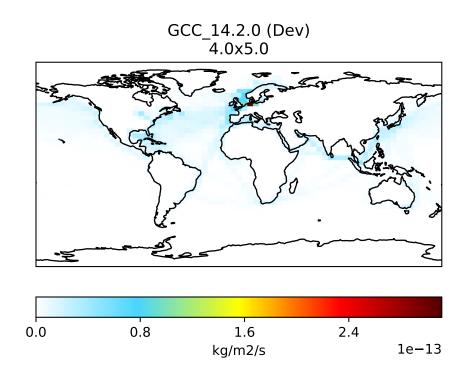


Zero throughout domain kg/m2/s

Ratio



Ref and Dev equal throughout domain unitless



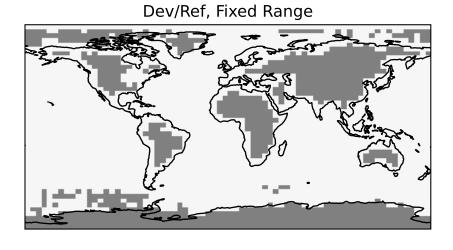
Difference Dev - Ref, Restricted Range [5%,95%]



Ratio

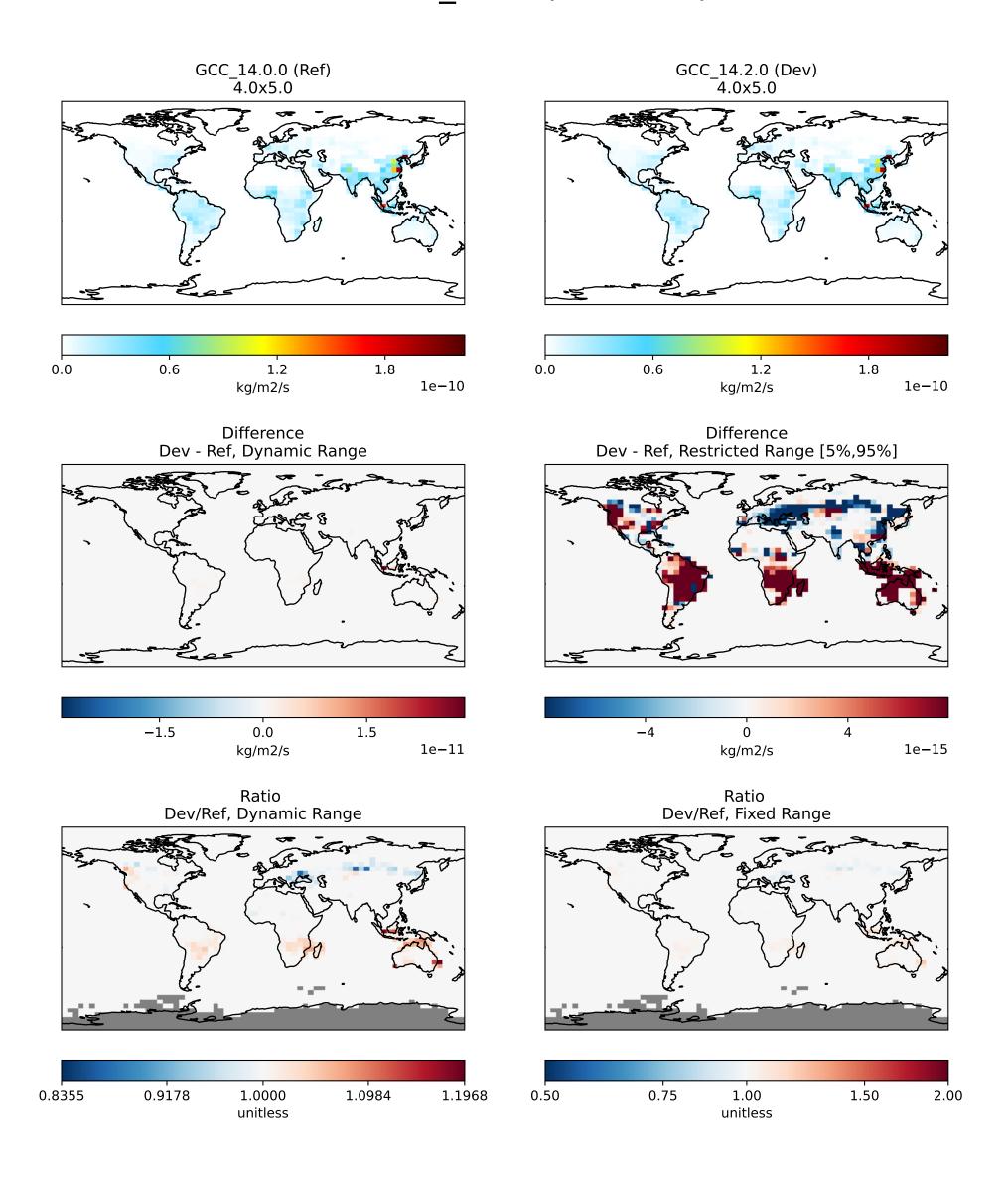
Zero throughout domain

kg/m2/s



Ref and Dev equal throughout domain unitless

## EmisSOAP\_Total (Oct2019)



## EmisSOAS\_Biogenic (Oct2019)

GCC\_14.0.0 (Ref) 4.0x5.0 GCC\_14.2.0 (Dev) 4.0x5.0 2 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 Ratio Ratio Dev/Ref, Dynamic Range Dev/Ref, Fixed Range Ref and Dev equal throughout domain Ref and Dev equal throughout domain

unitless

unitless