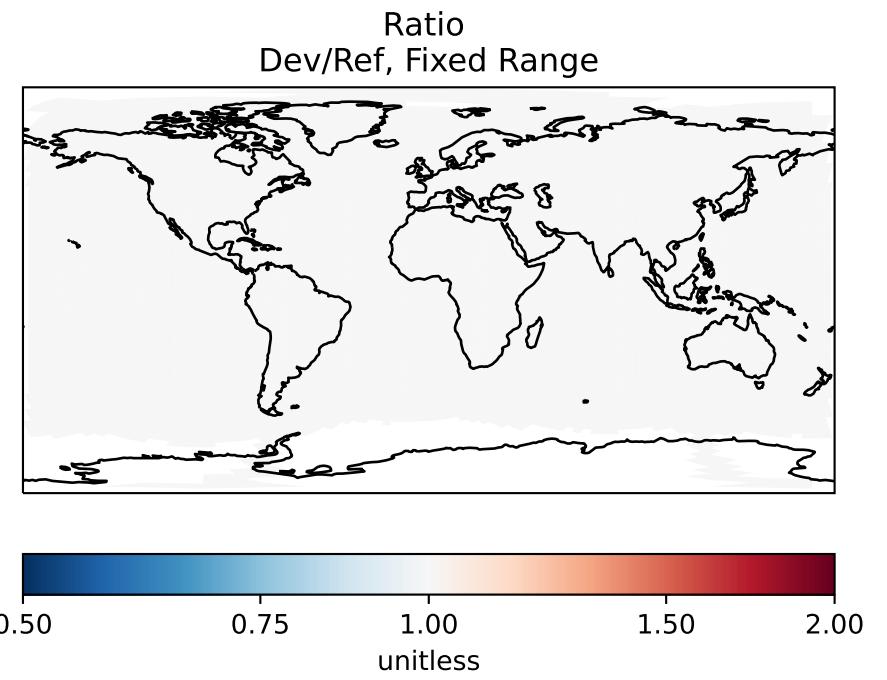
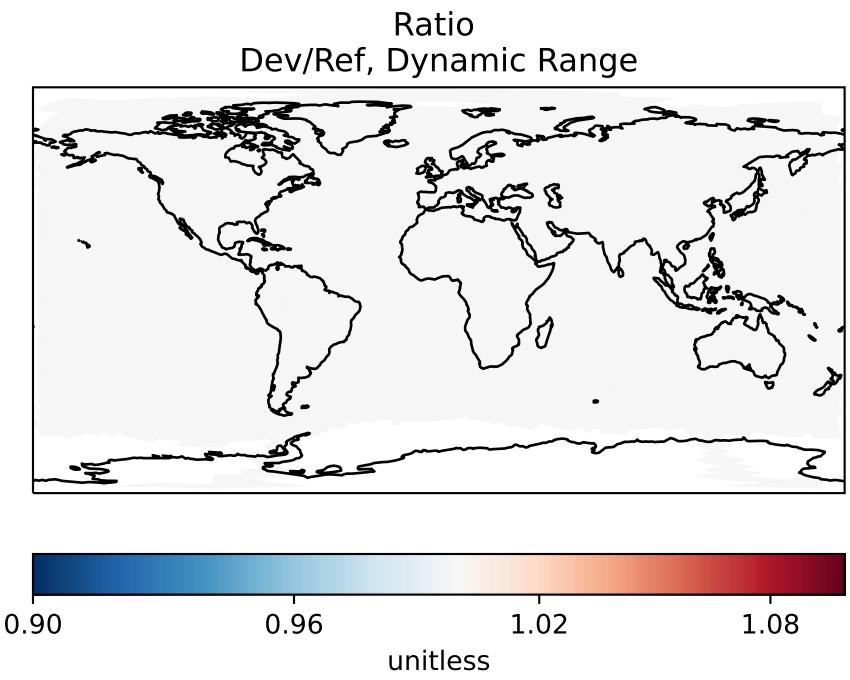
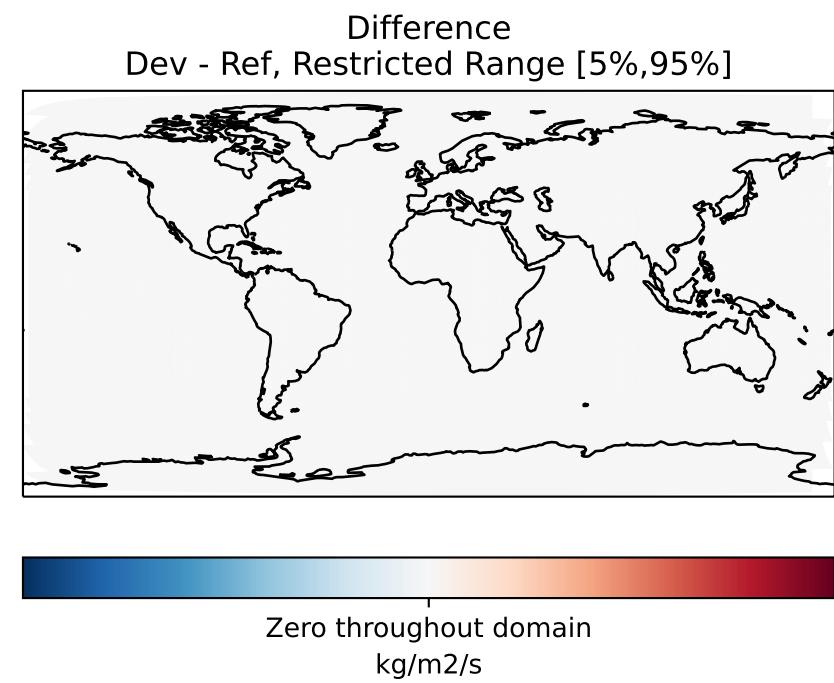
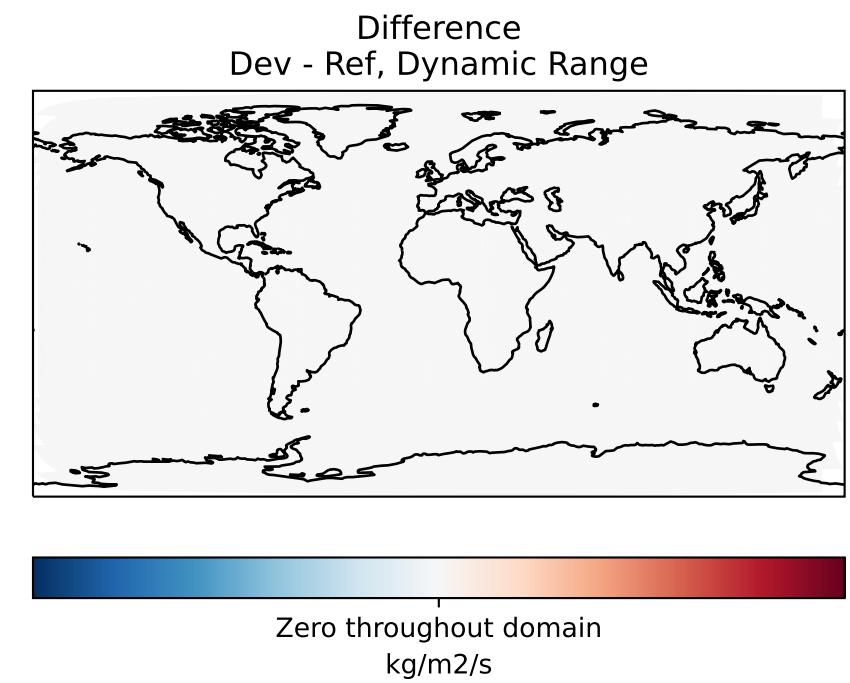
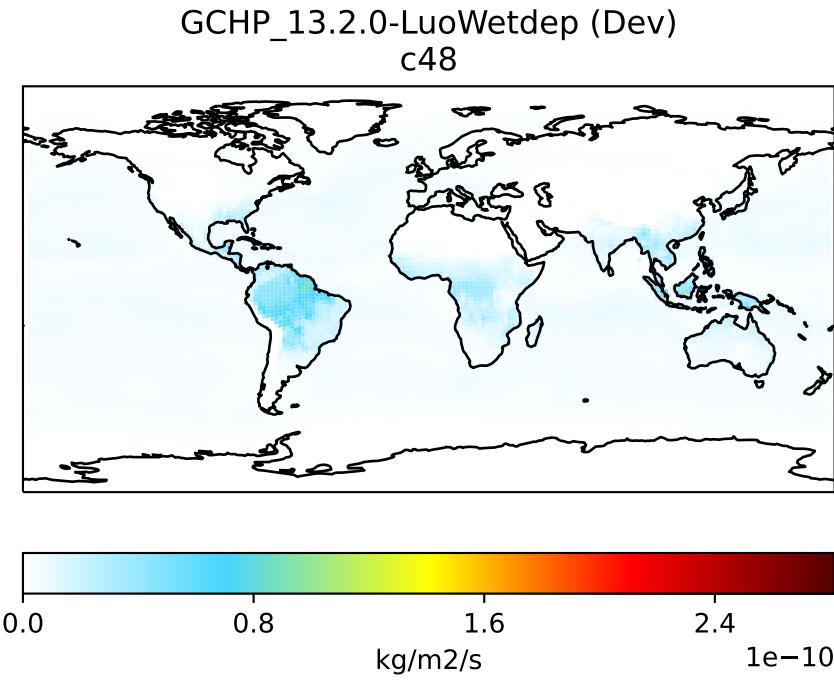
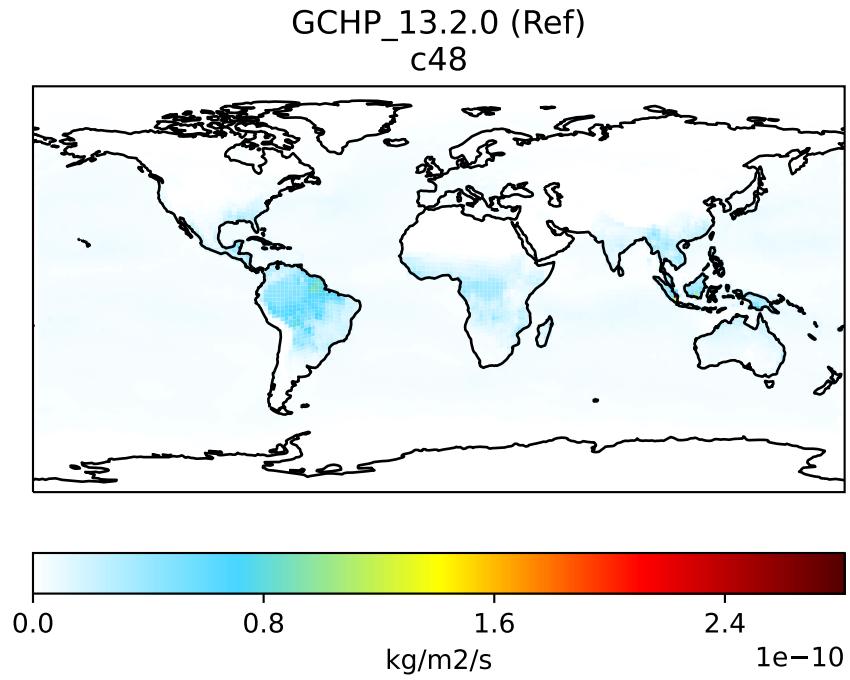
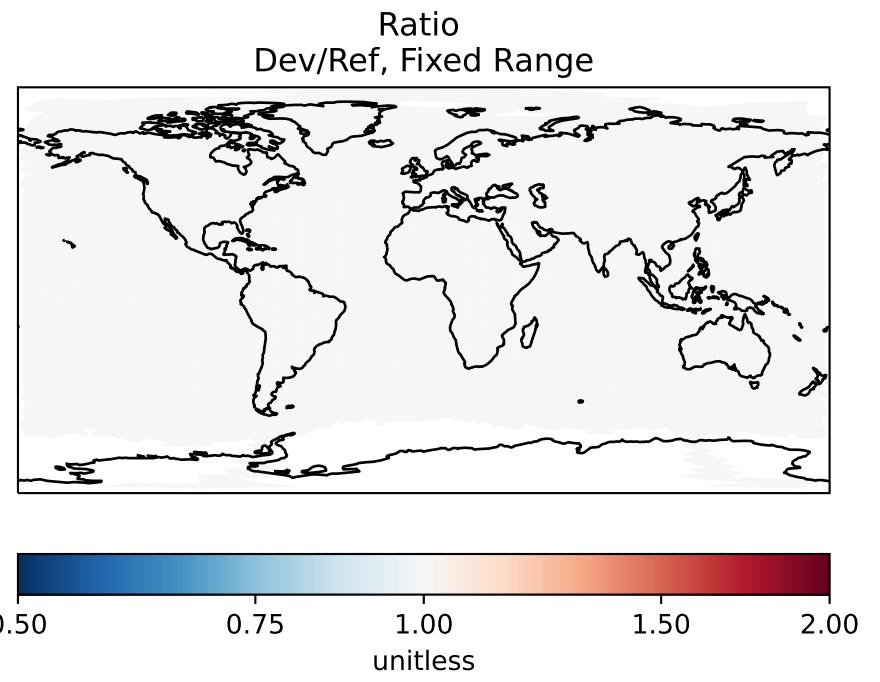
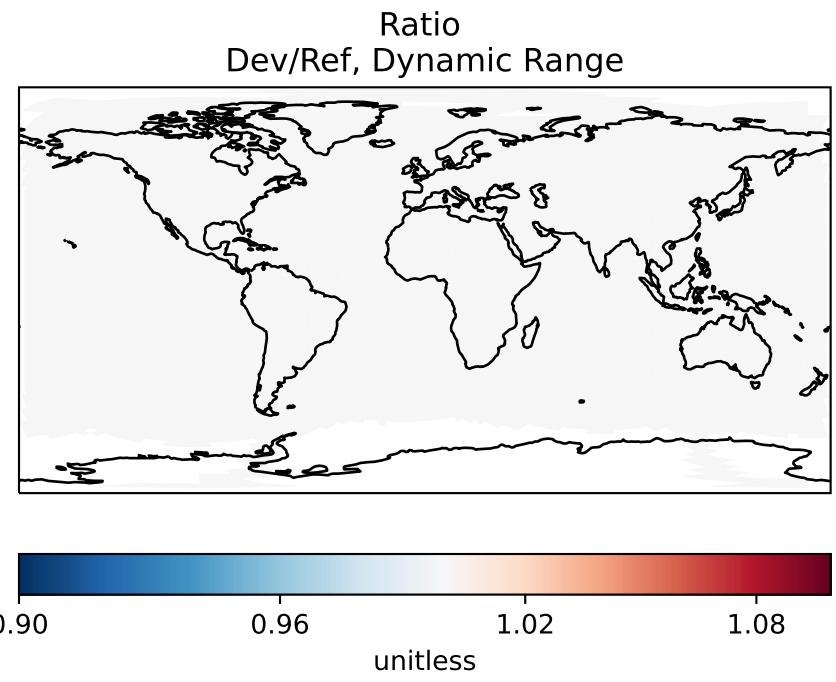
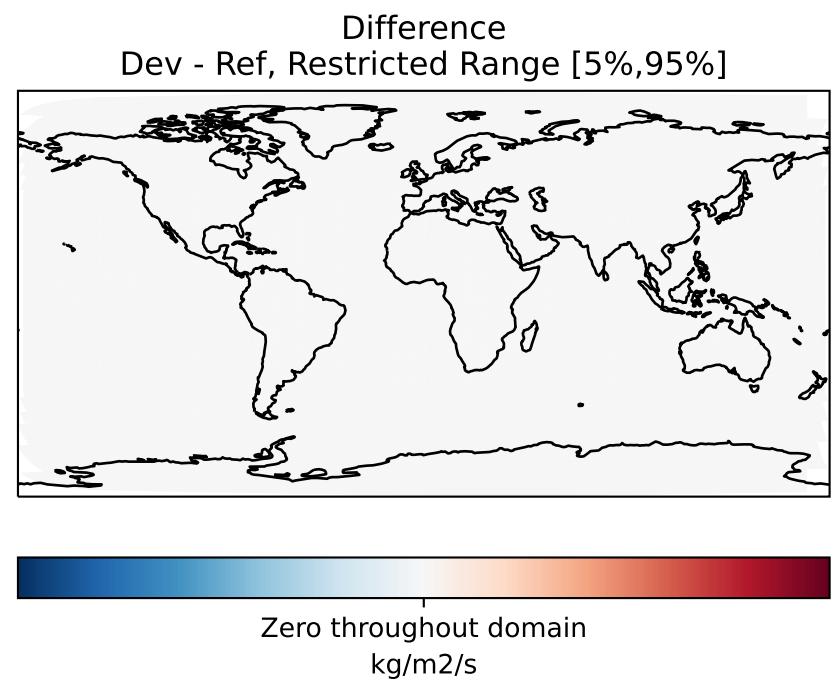
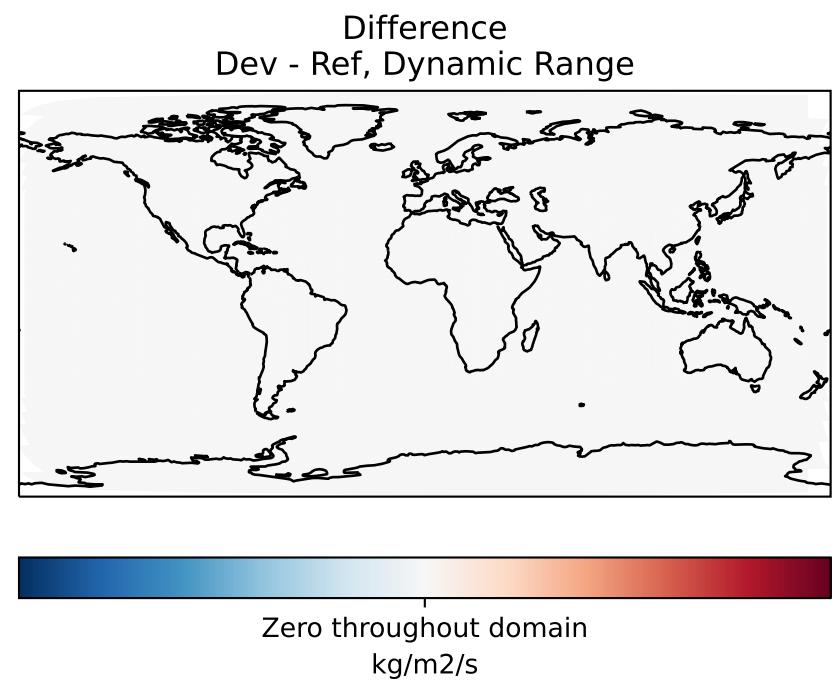
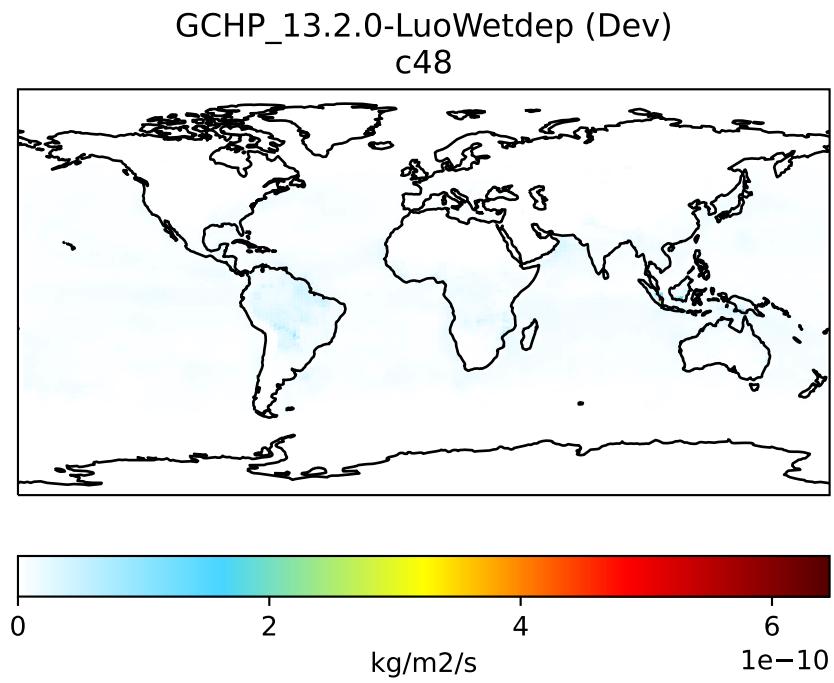
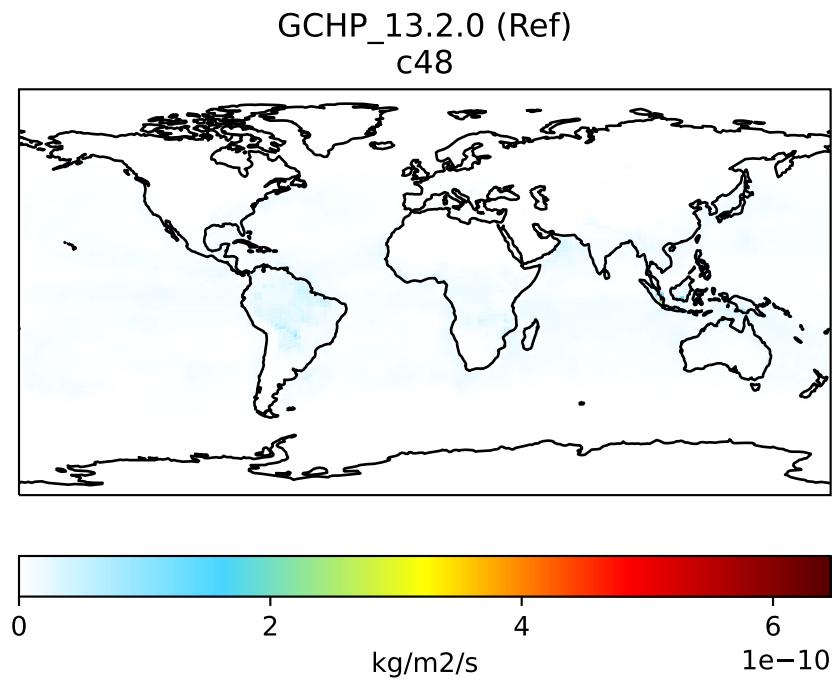


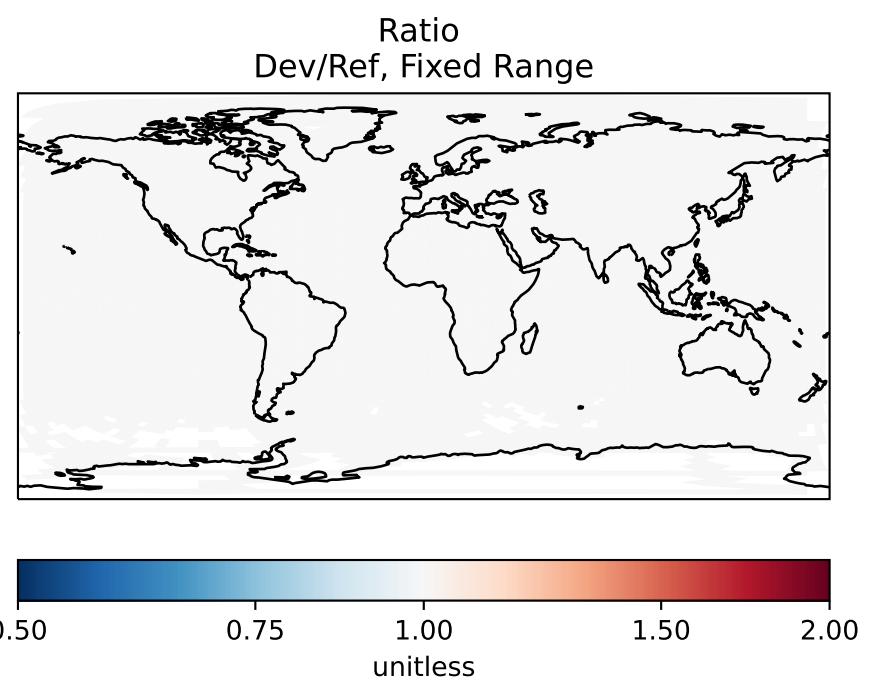
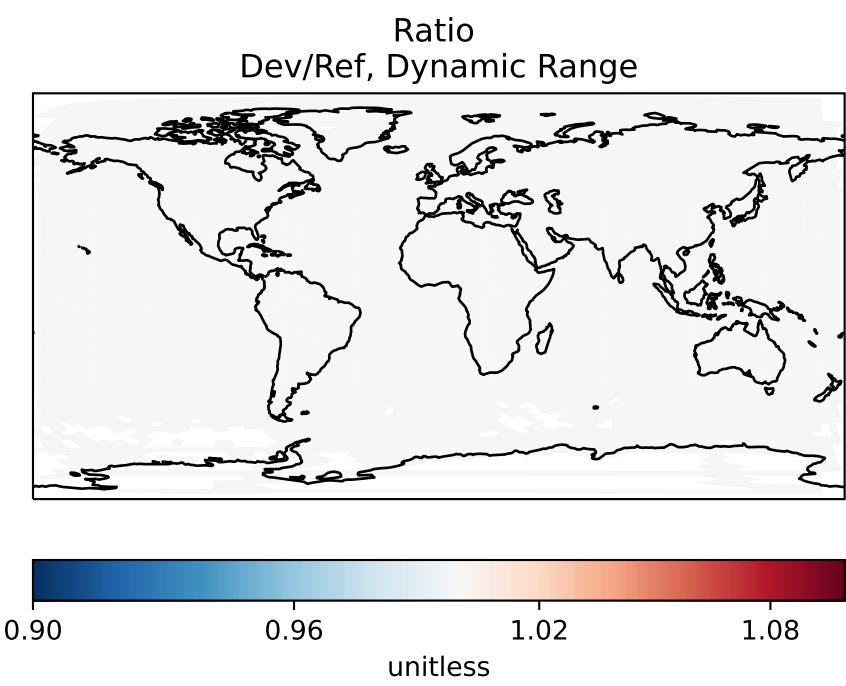
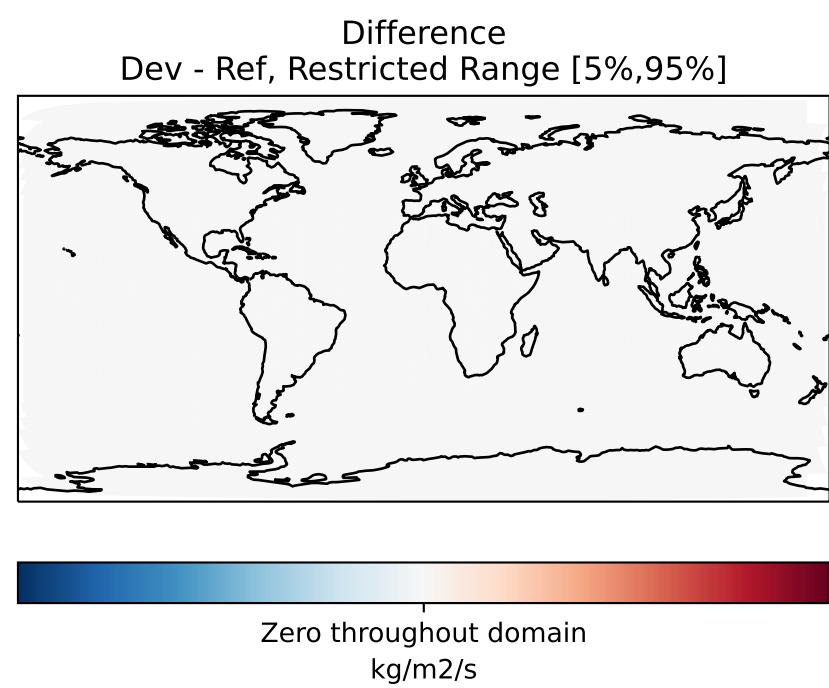
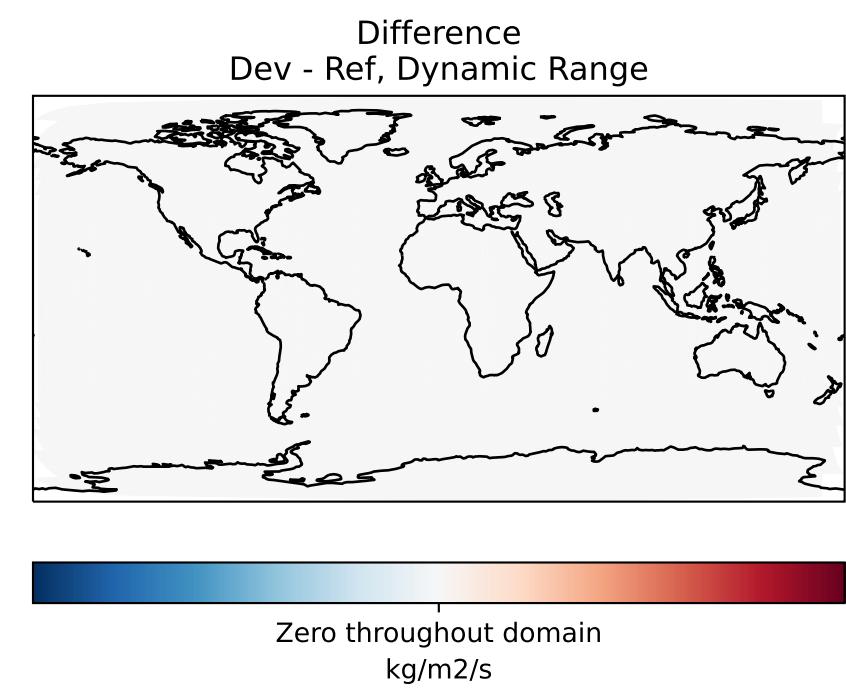
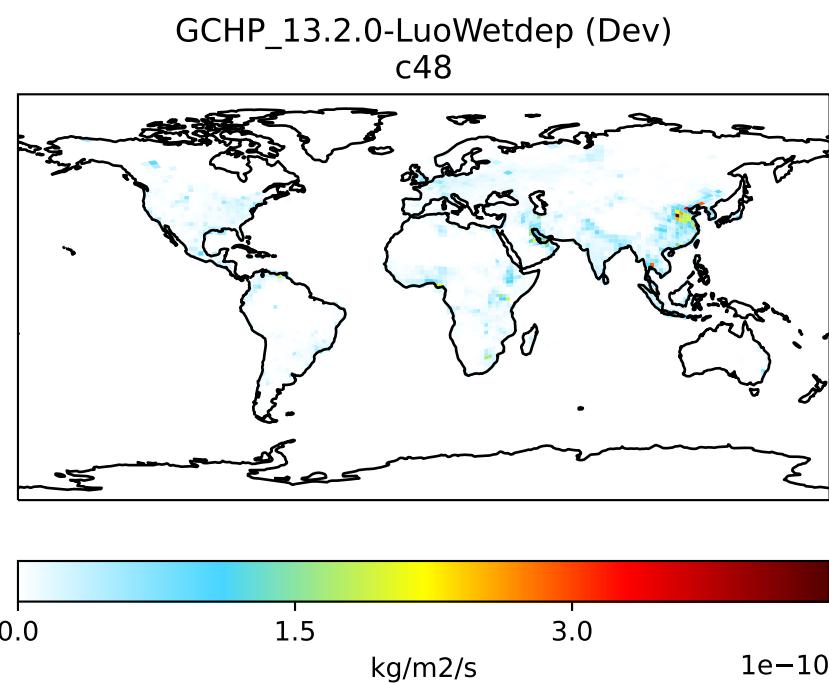
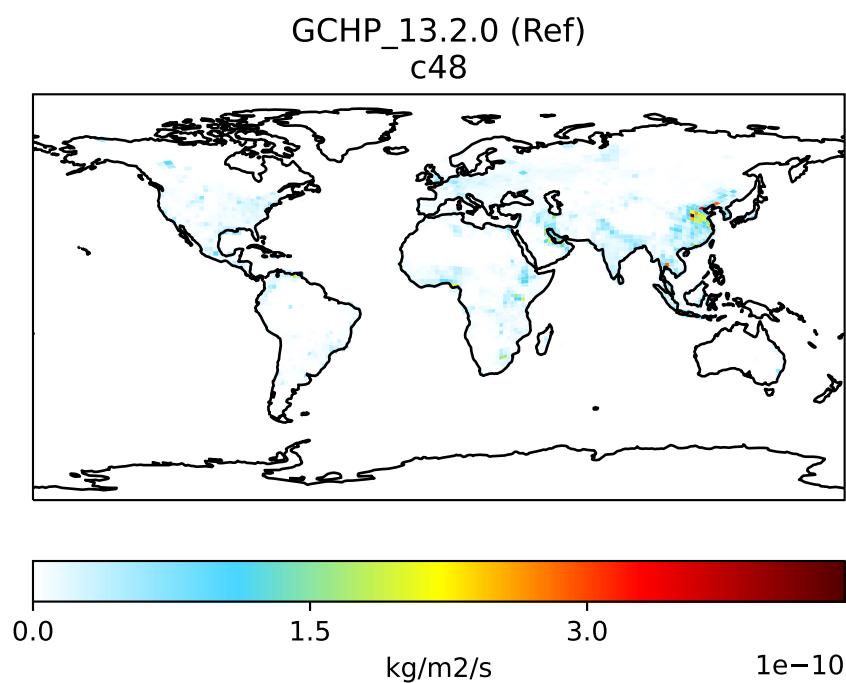
# EmisACET\_Total (Oct2019)



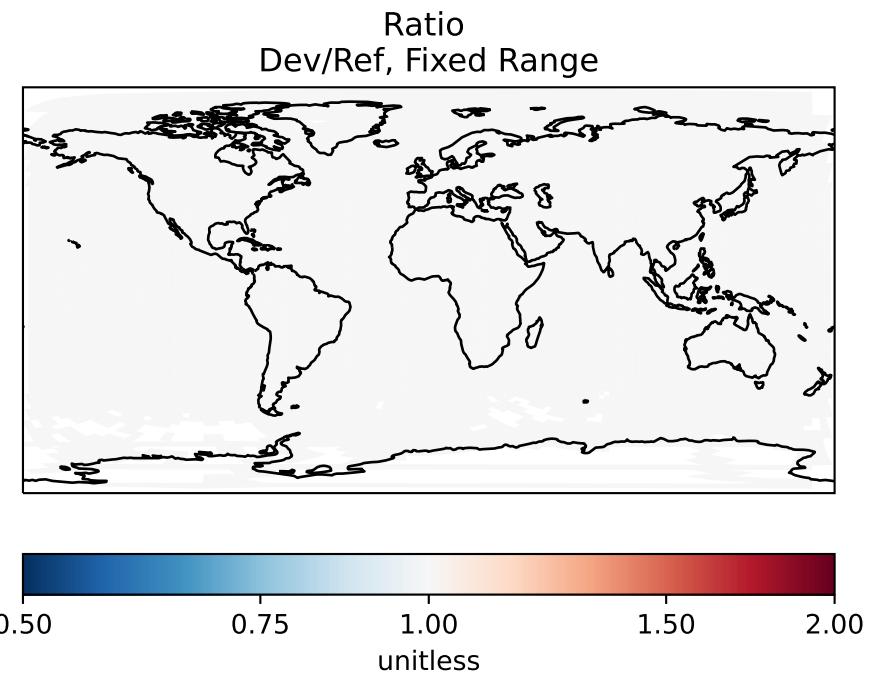
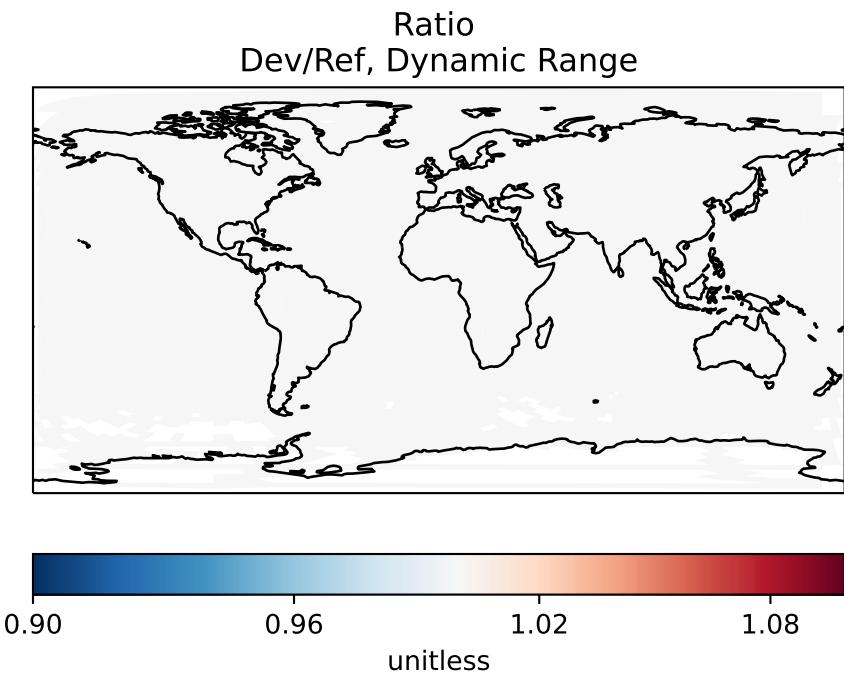
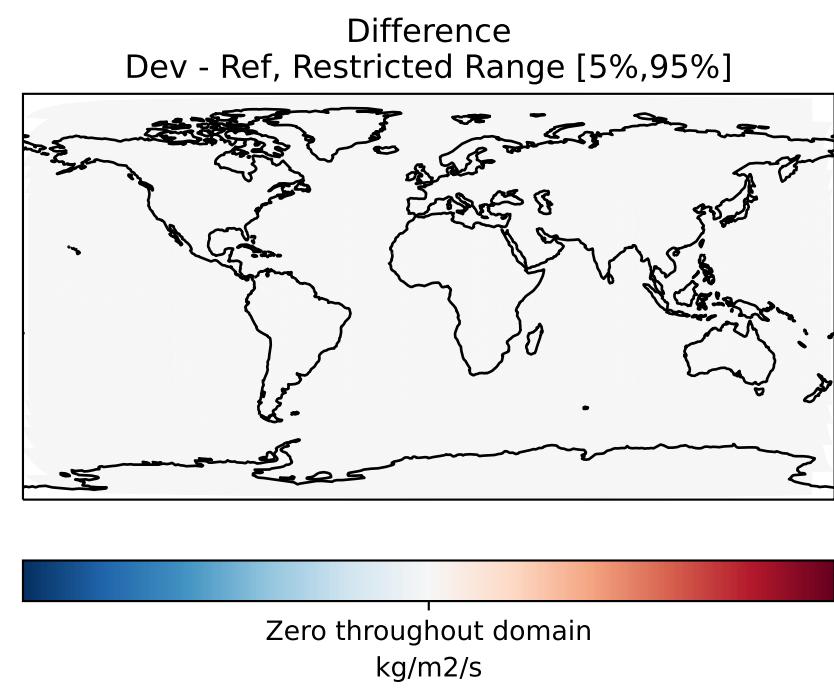
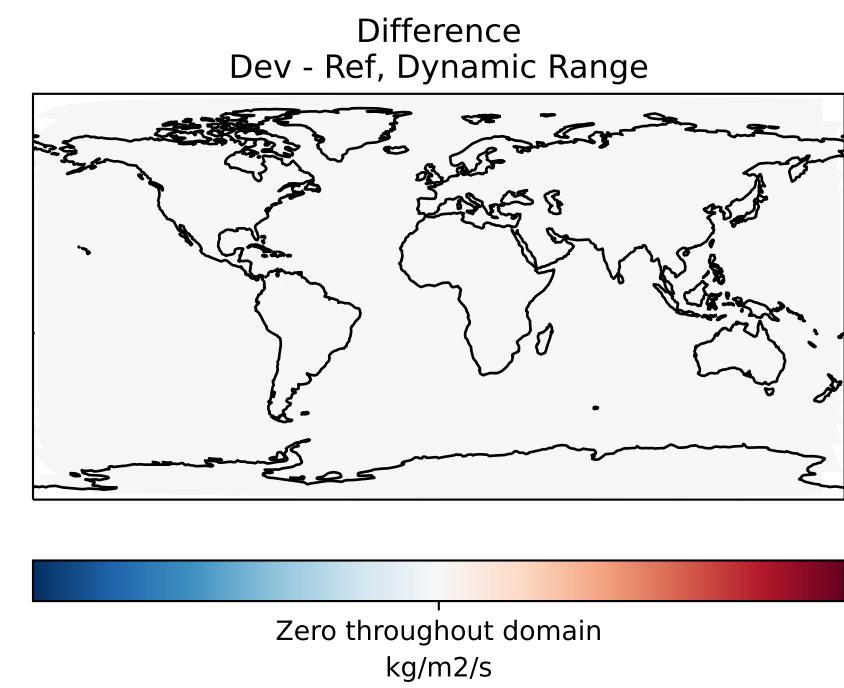
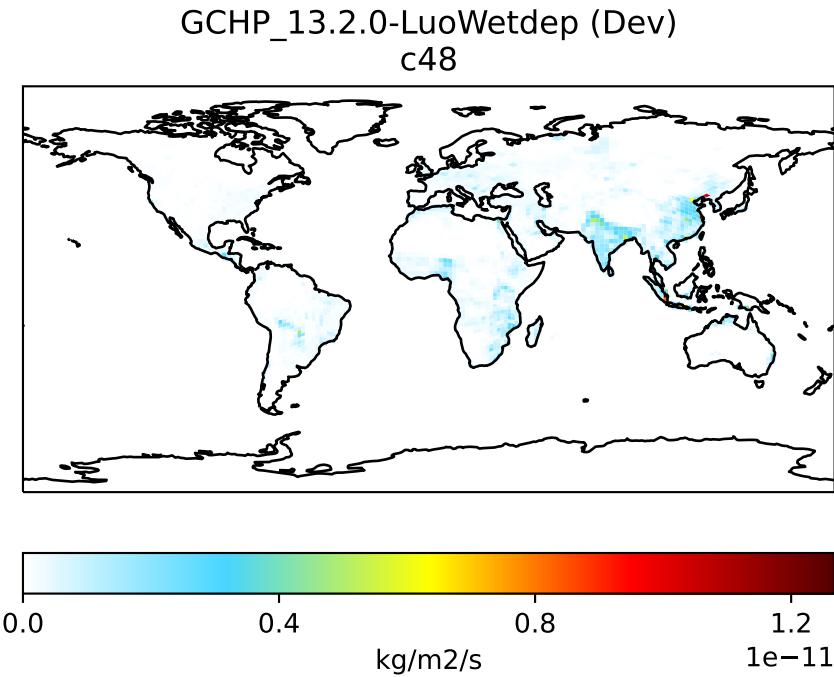
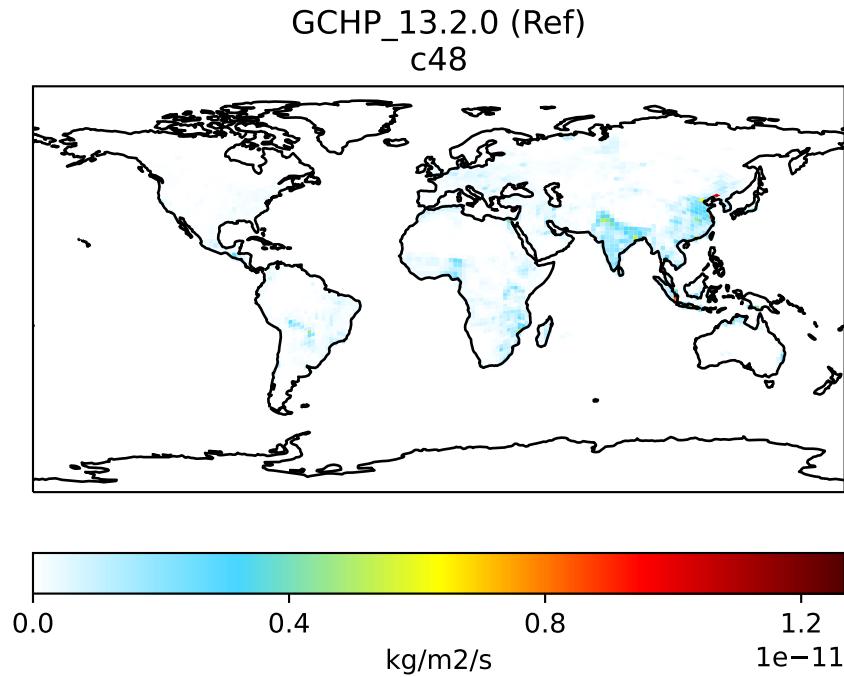
# EmisALD2\_Total (Oct2019)



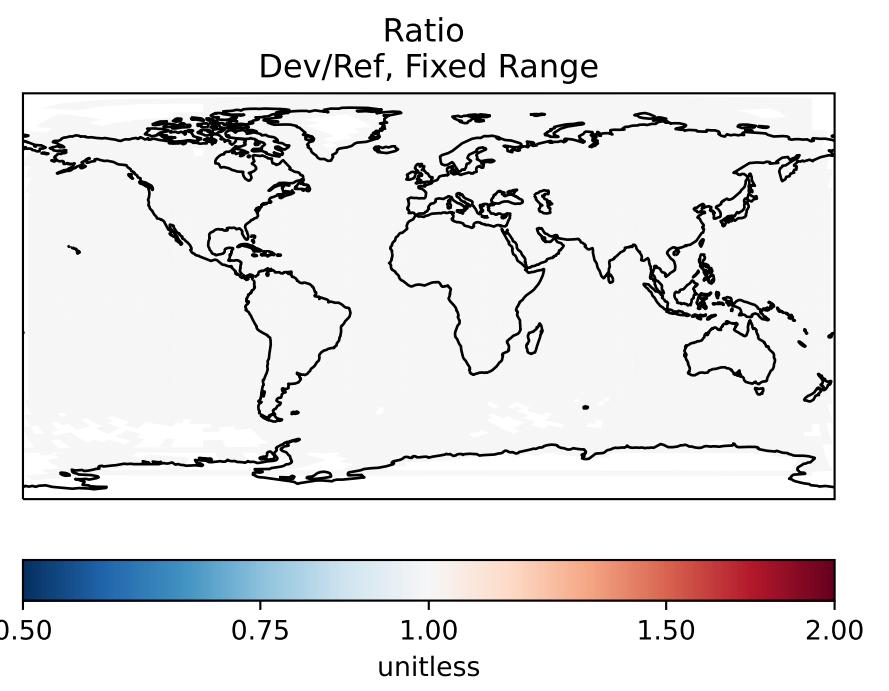
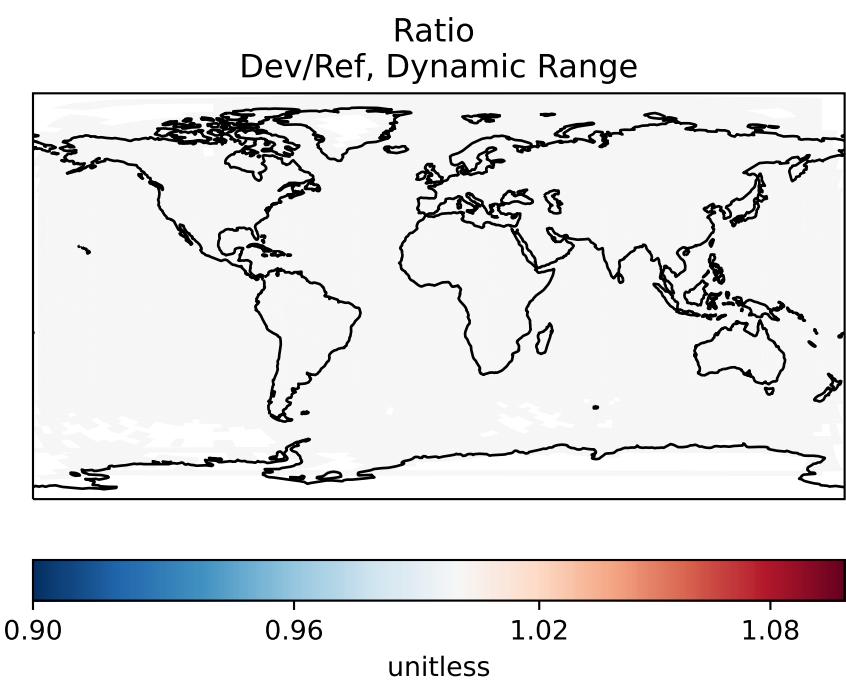
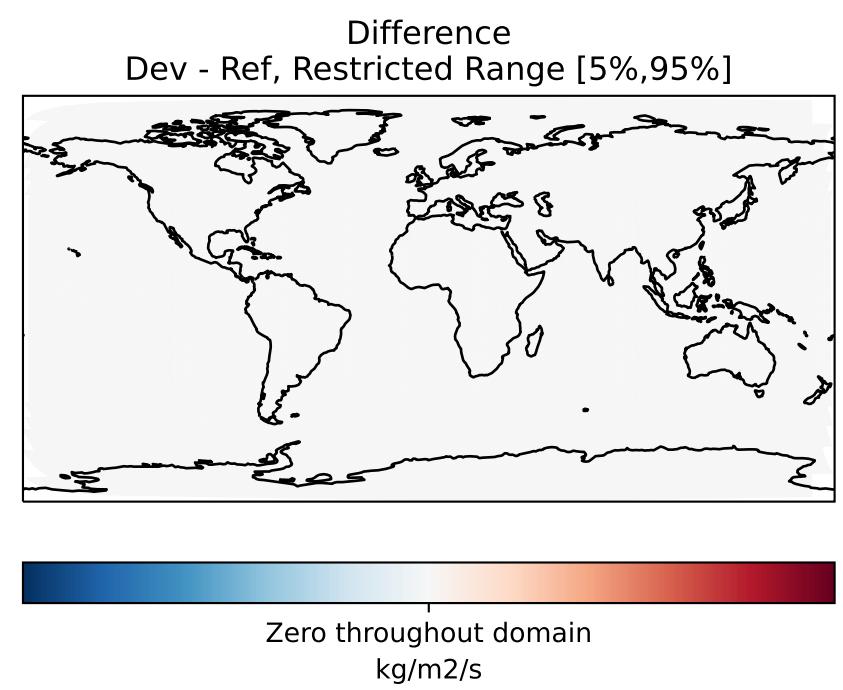
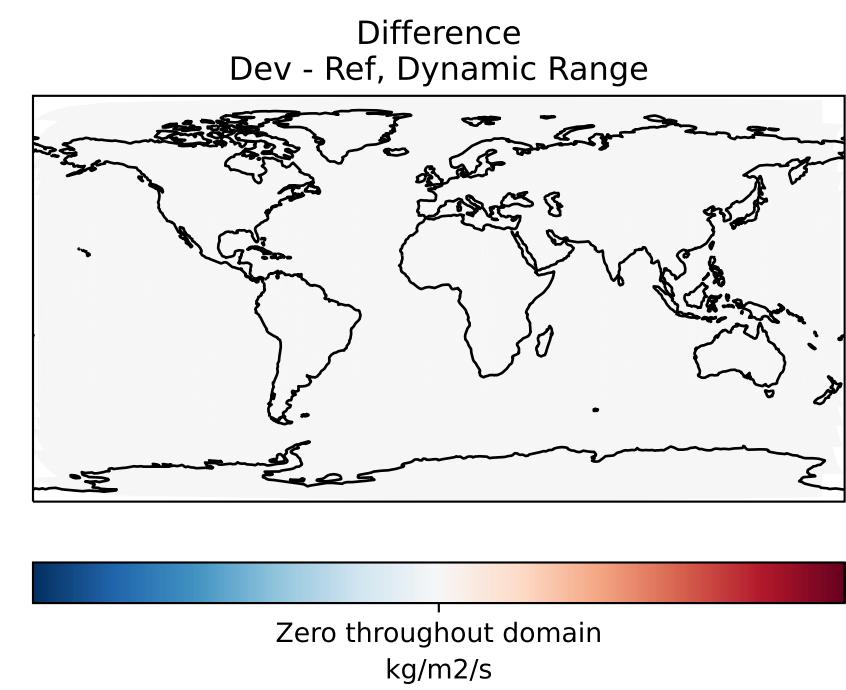
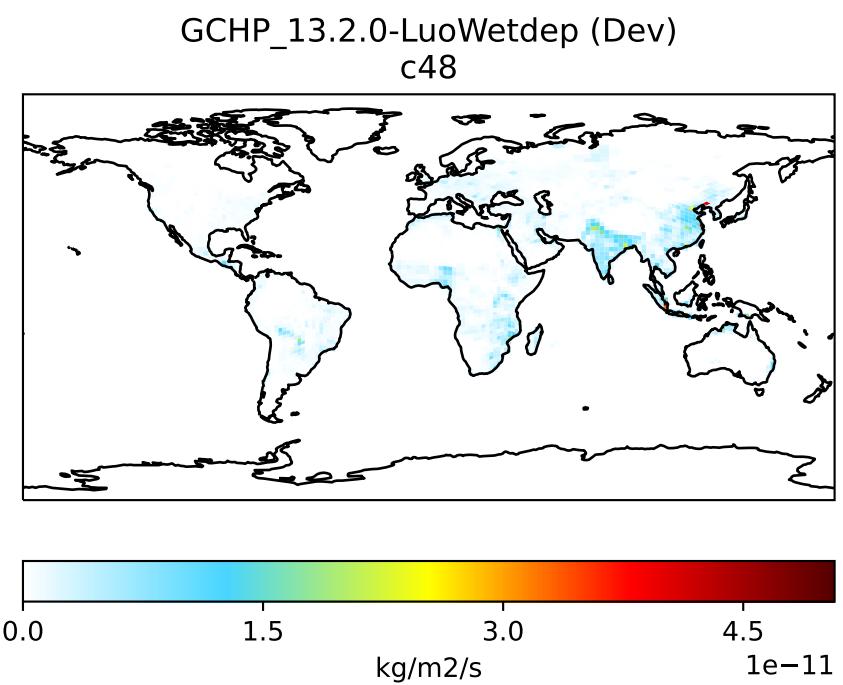
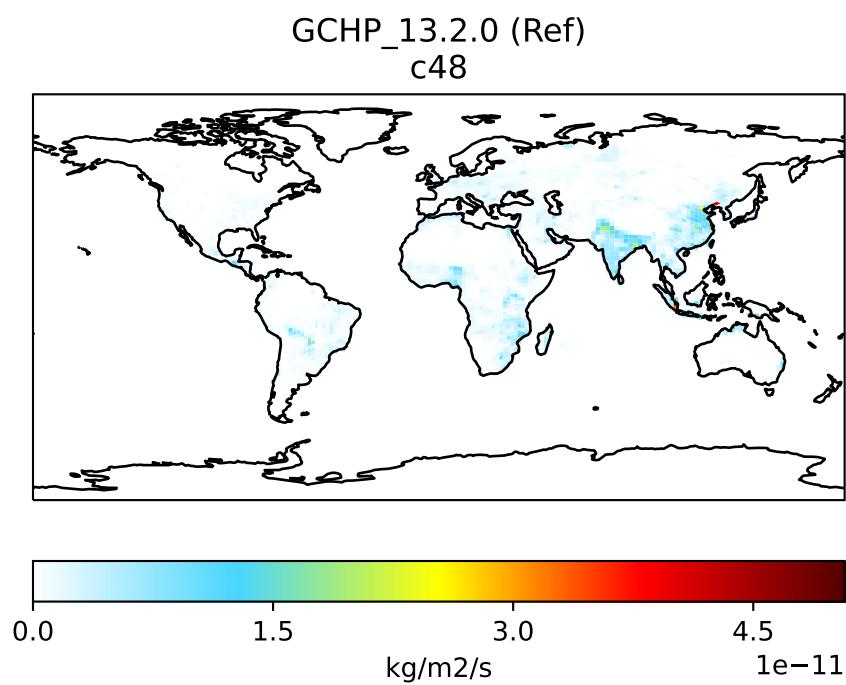
# EmisALK4\_Total (Oct2019)



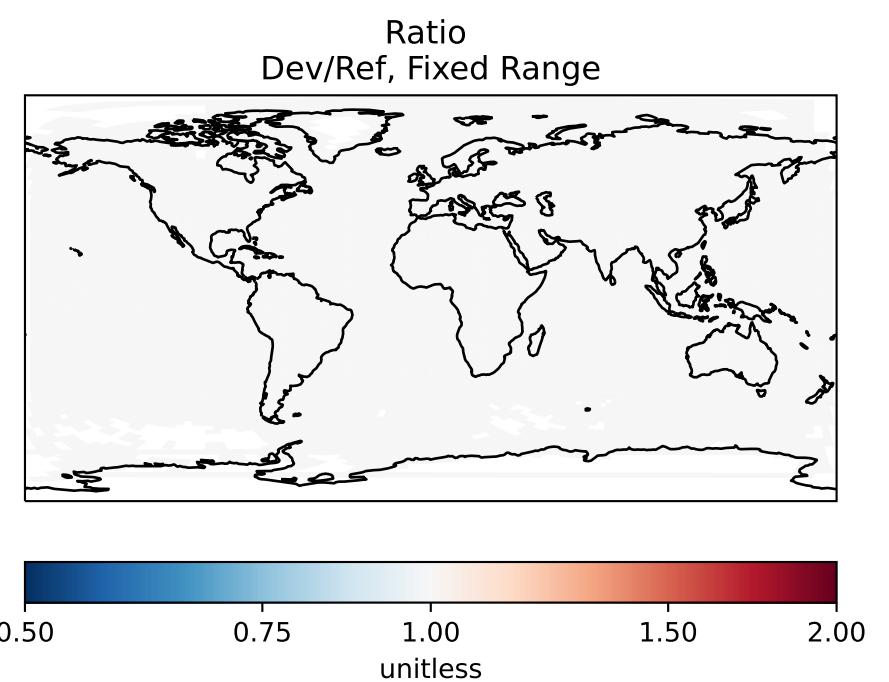
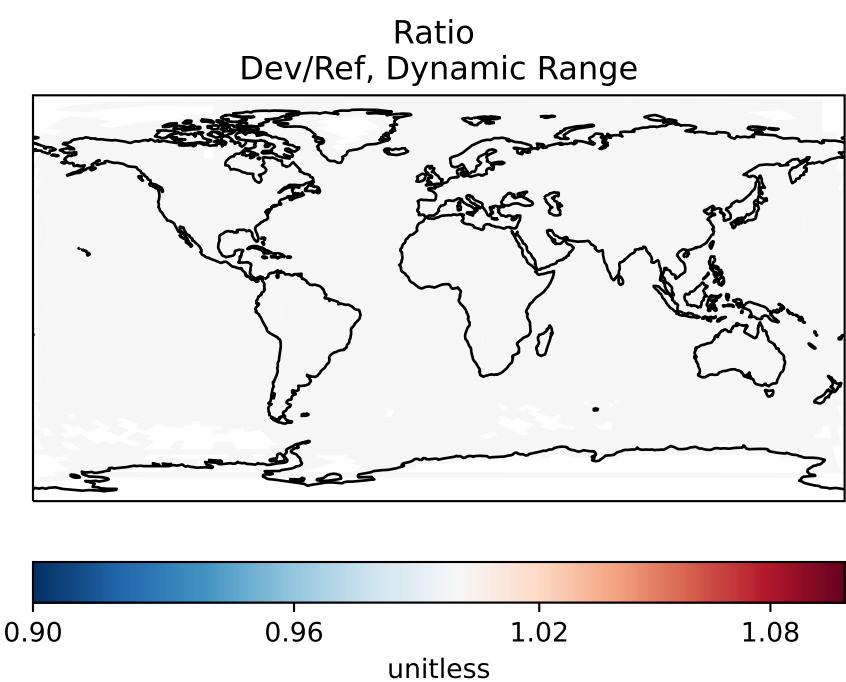
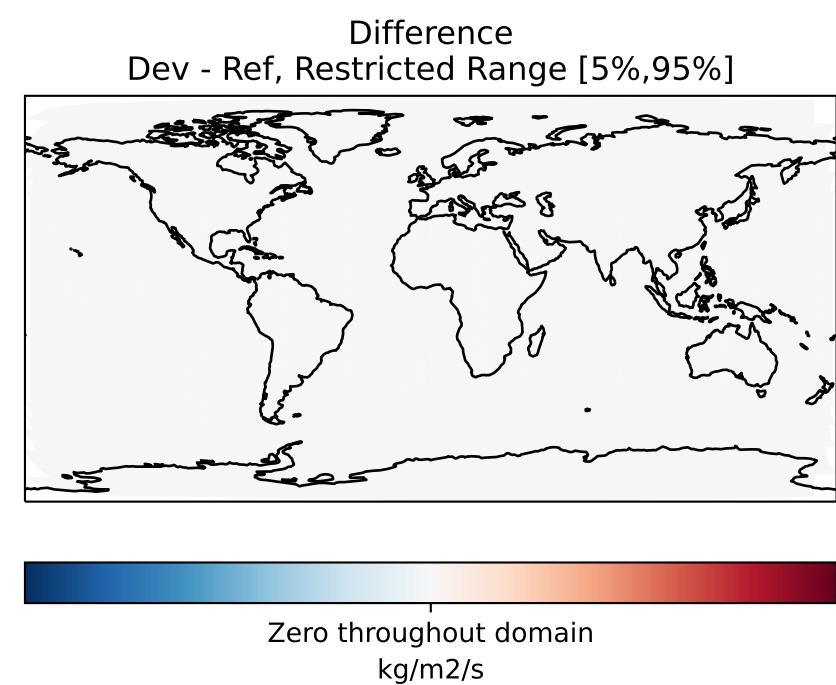
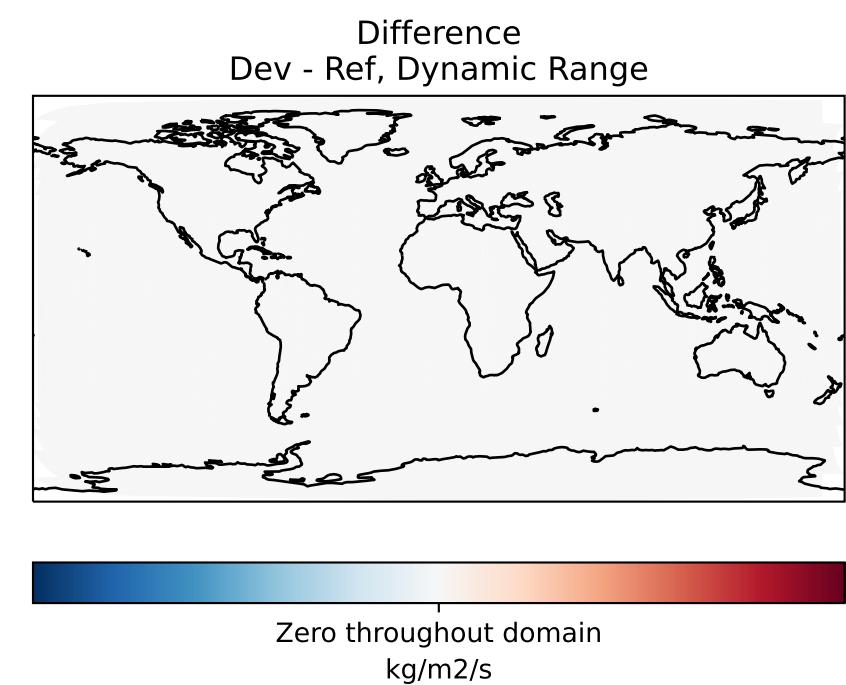
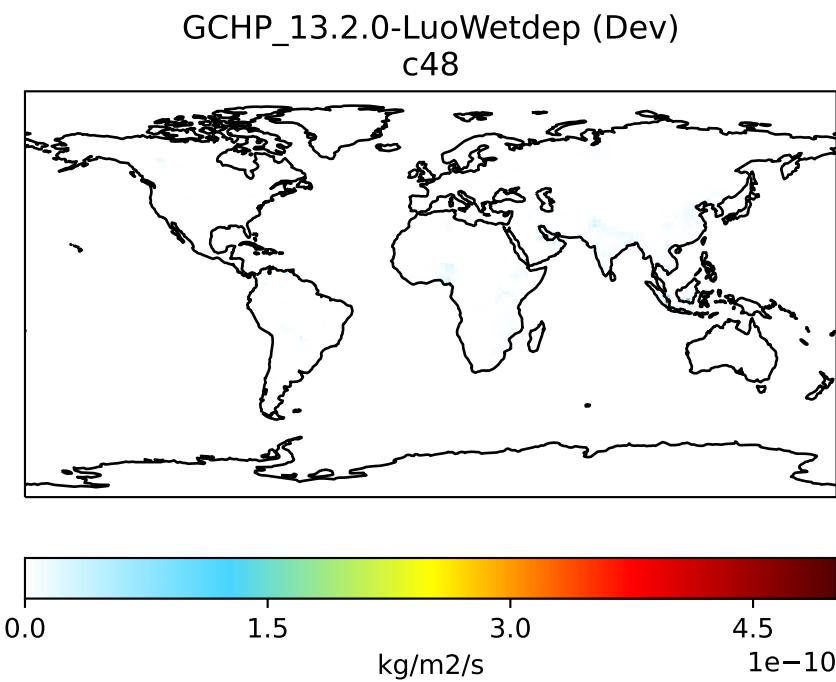
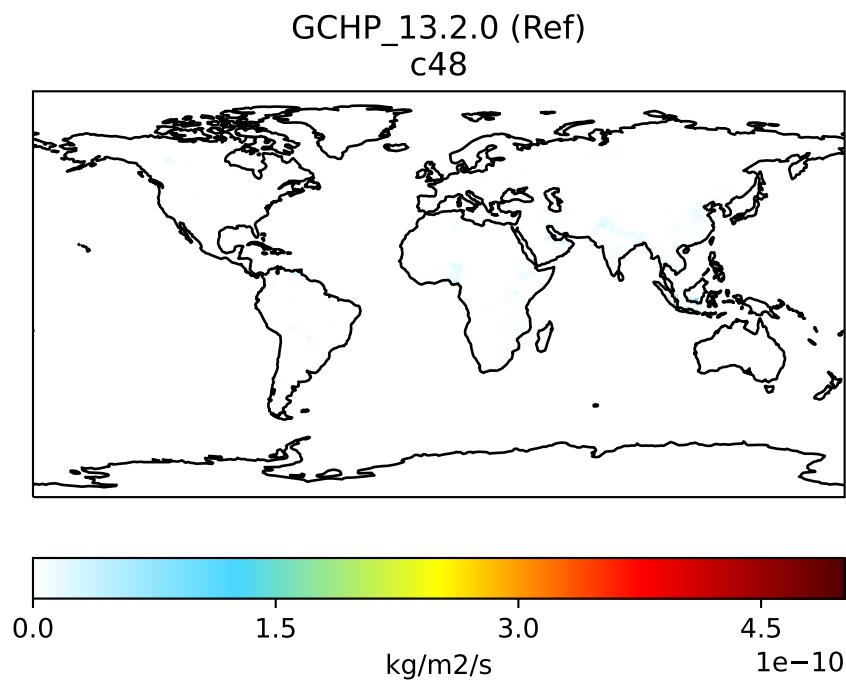
# EmisBCPI\_Total (Oct2019)



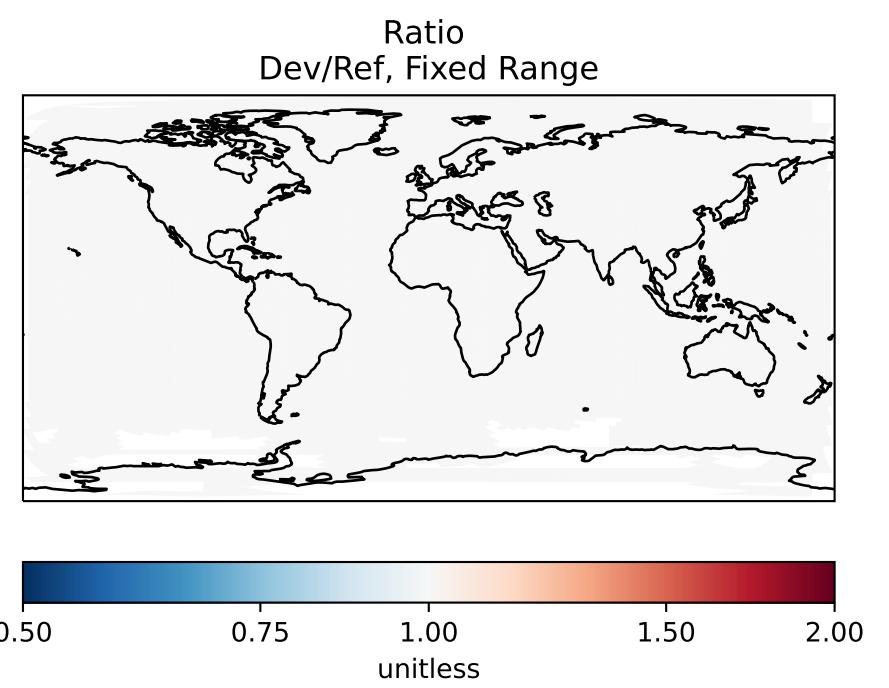
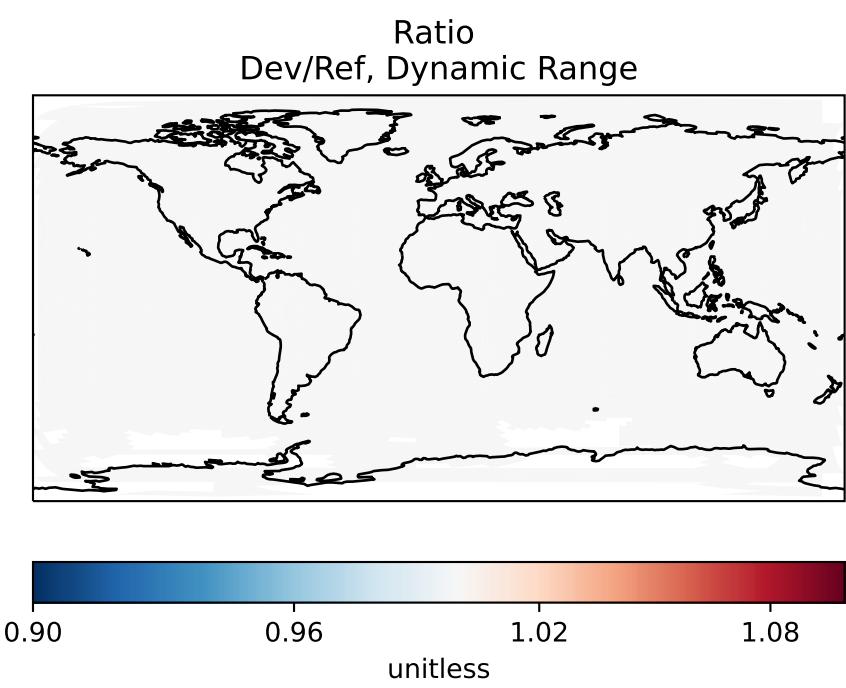
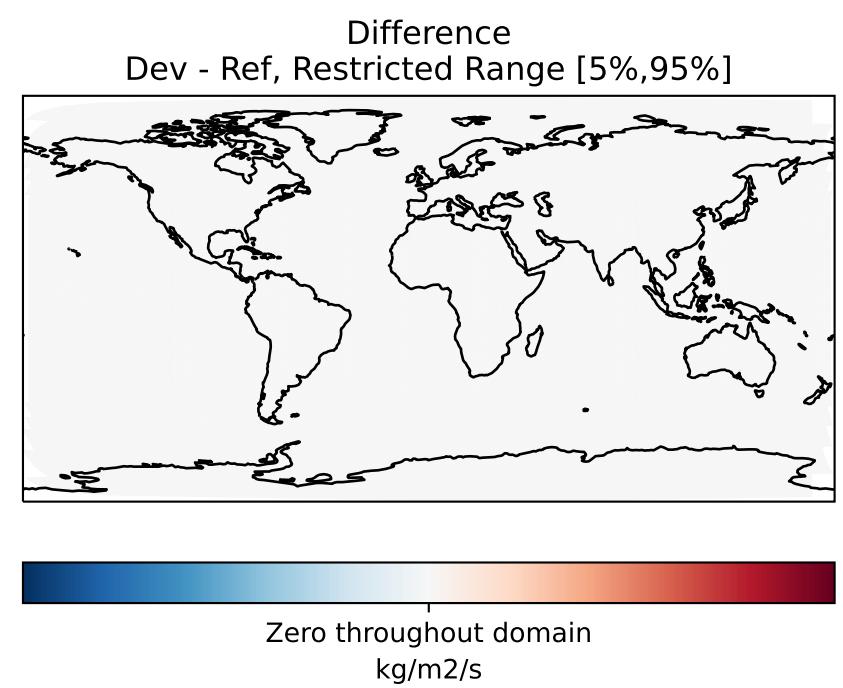
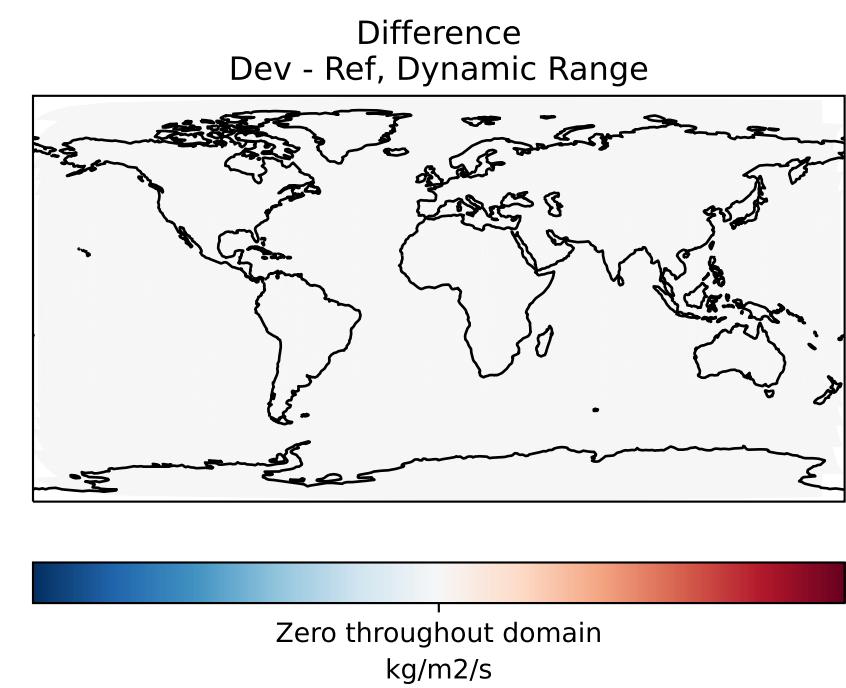
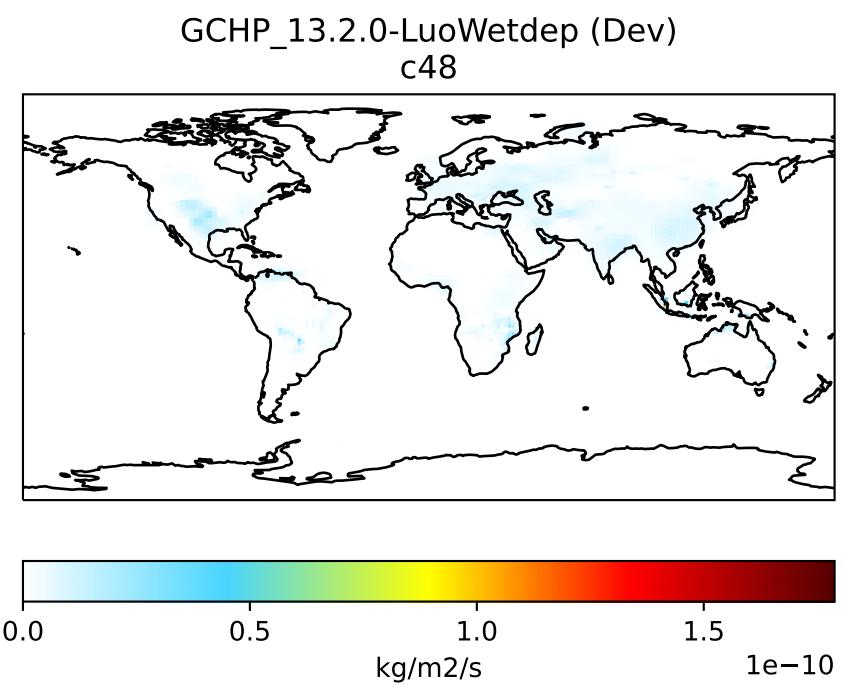
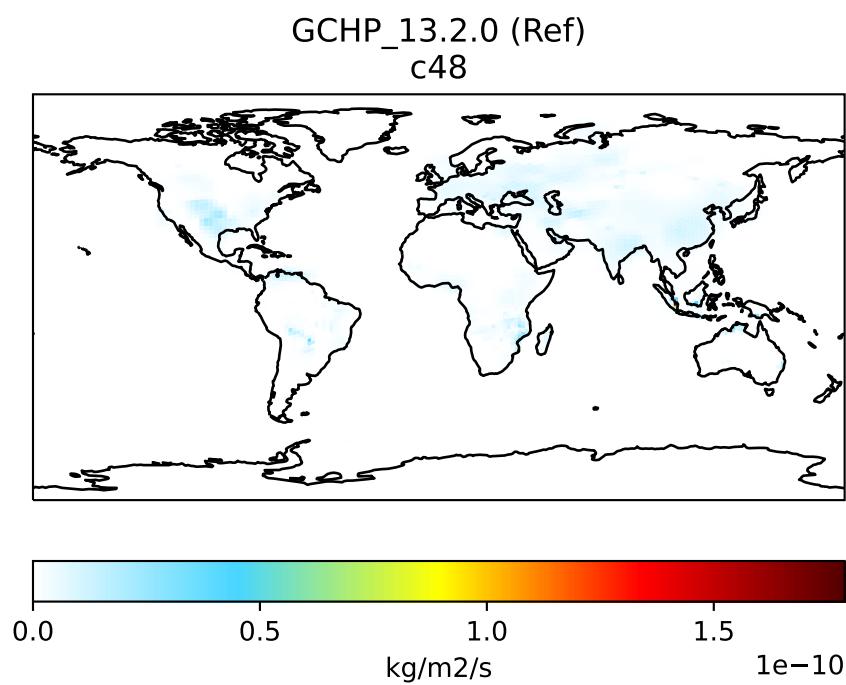
# EmisBCPO\_Total (Oct2019)



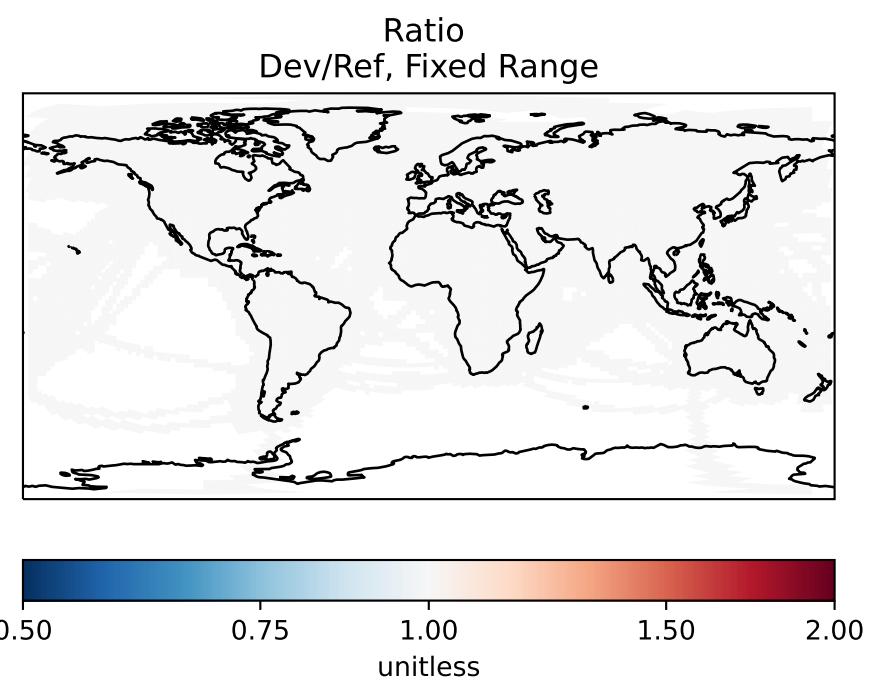
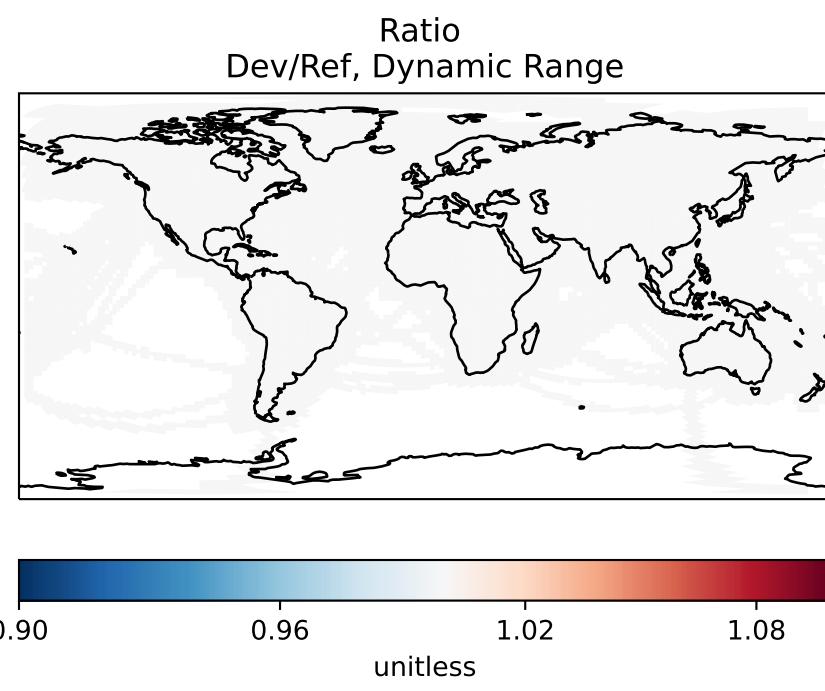
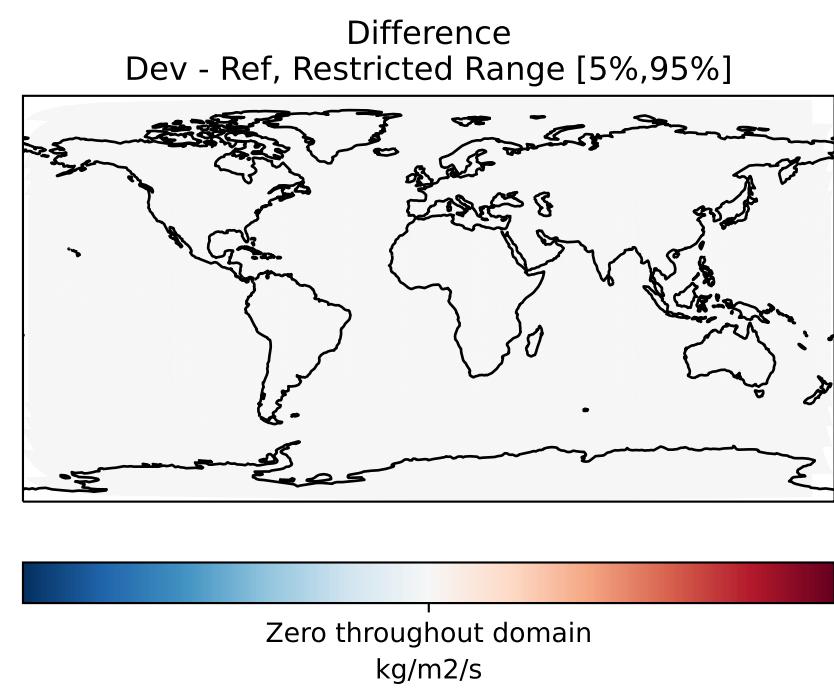
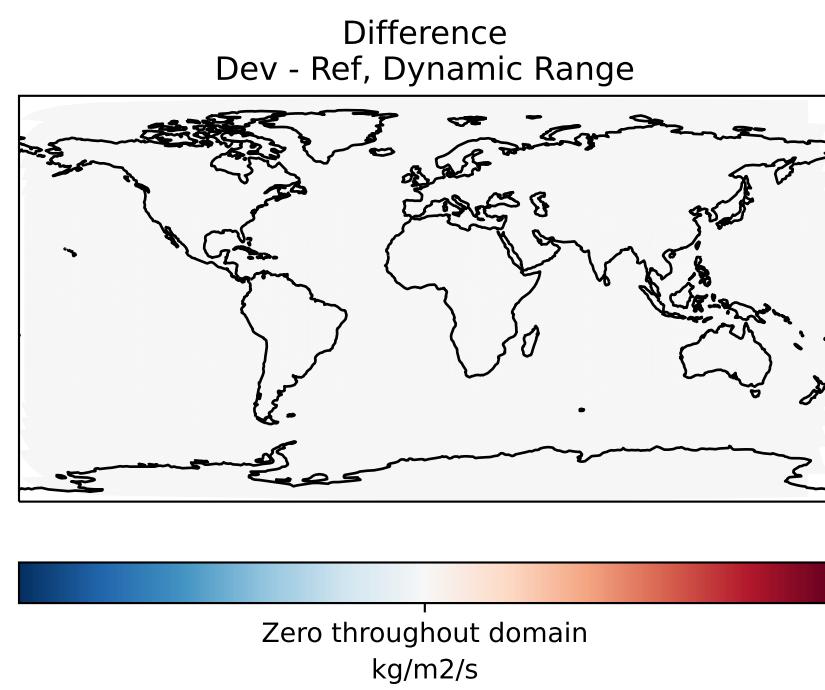
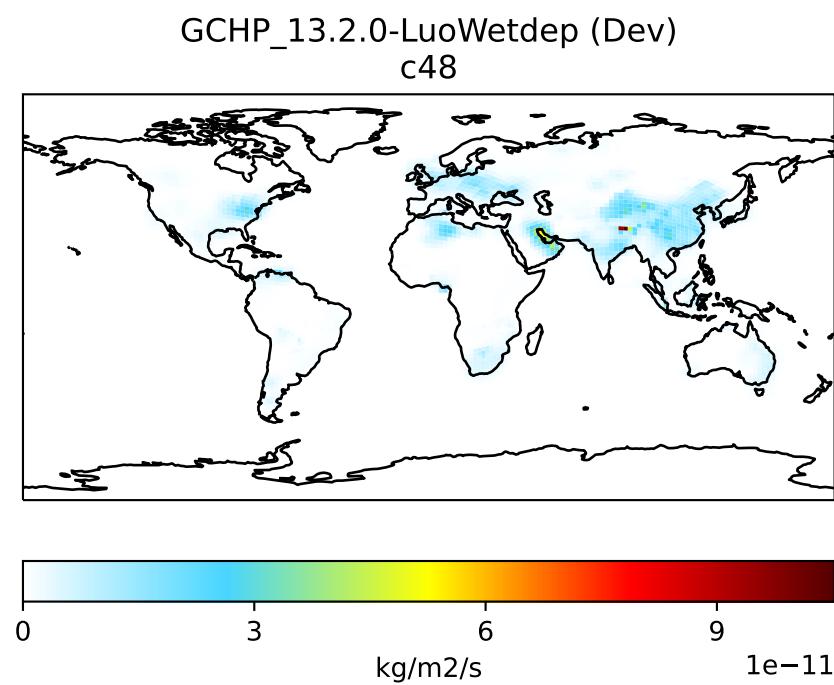
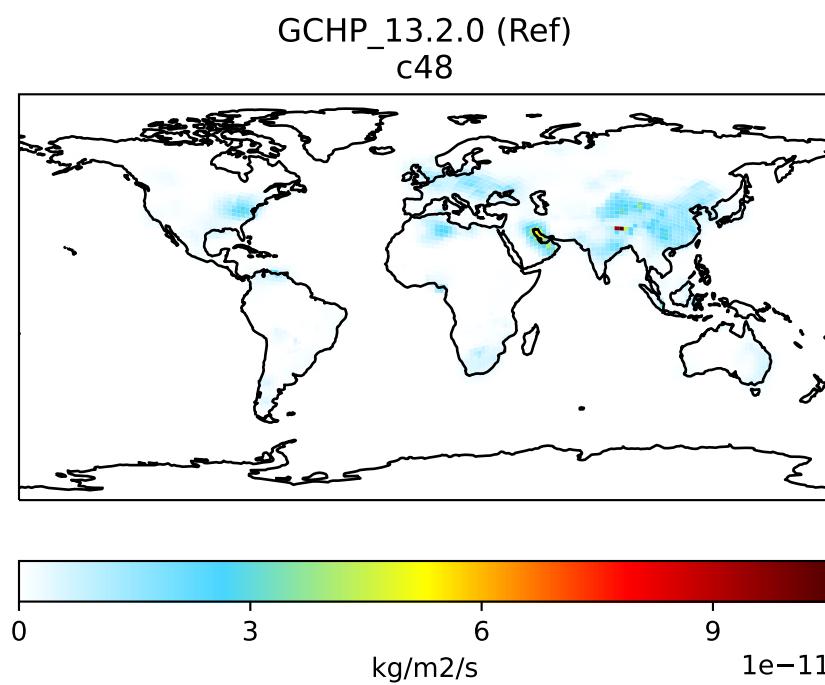
# EmisBENZ\_Total (Oct2019)



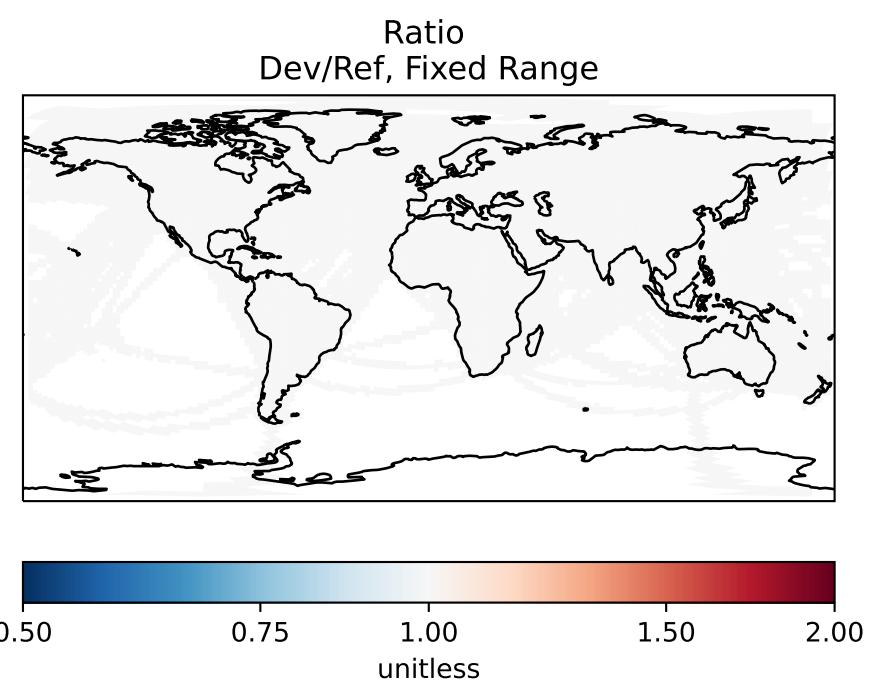
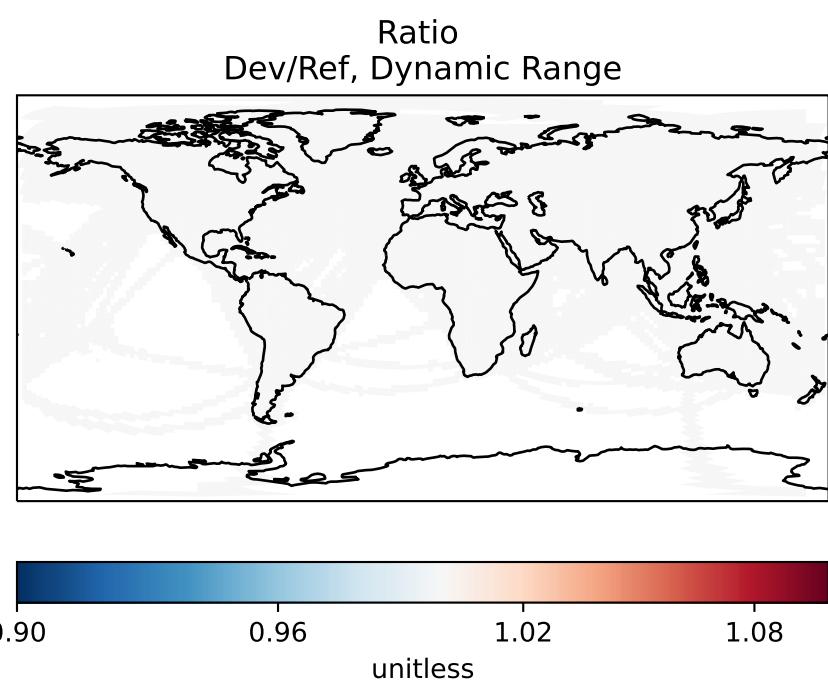
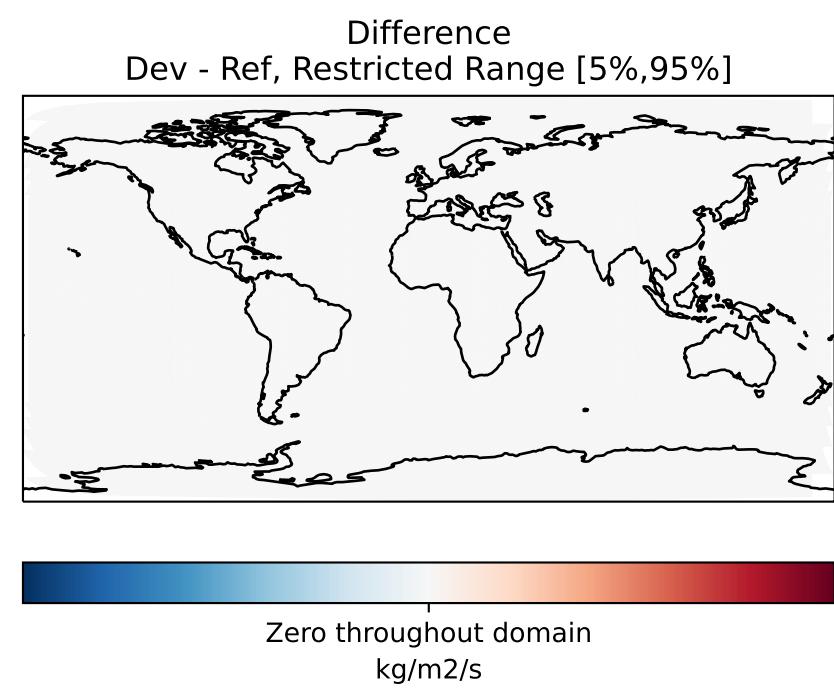
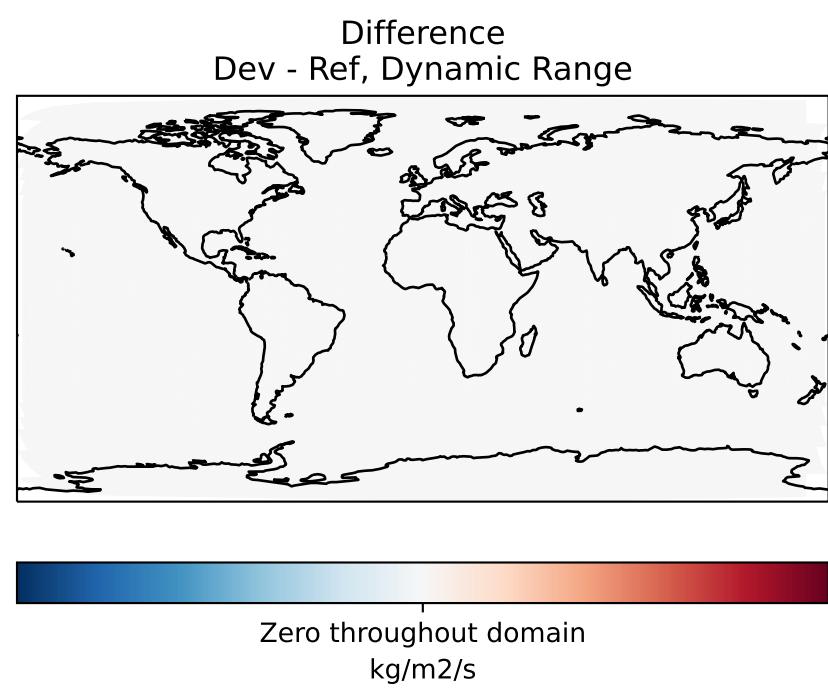
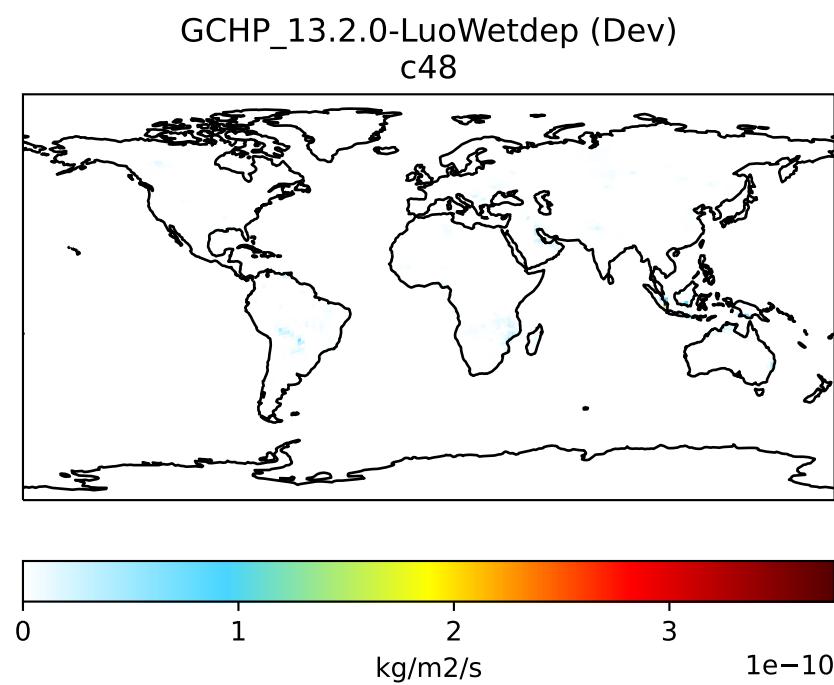
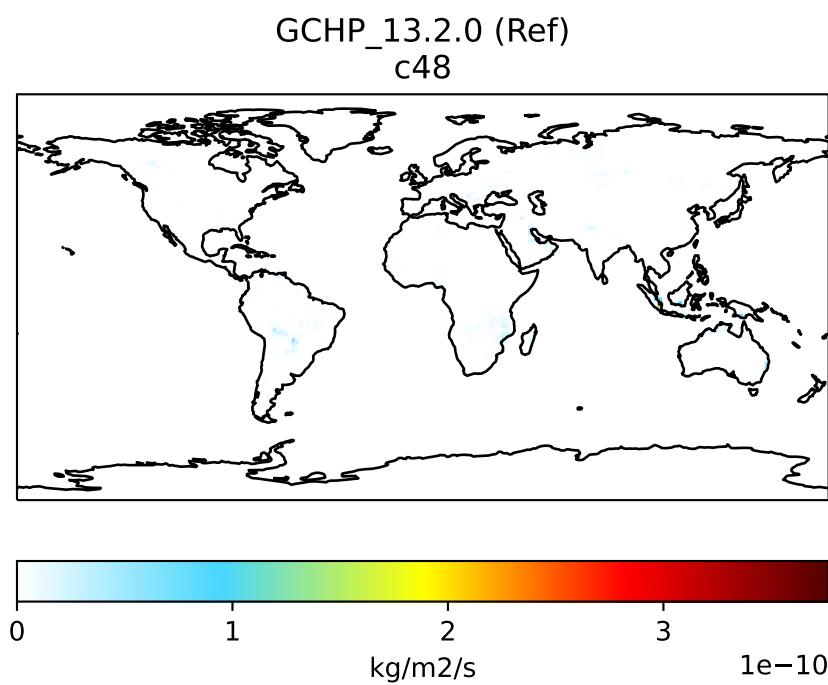
# EmisC2H6\_Total (Oct2019)



# EmisC3H8\_Total (Oct2019)

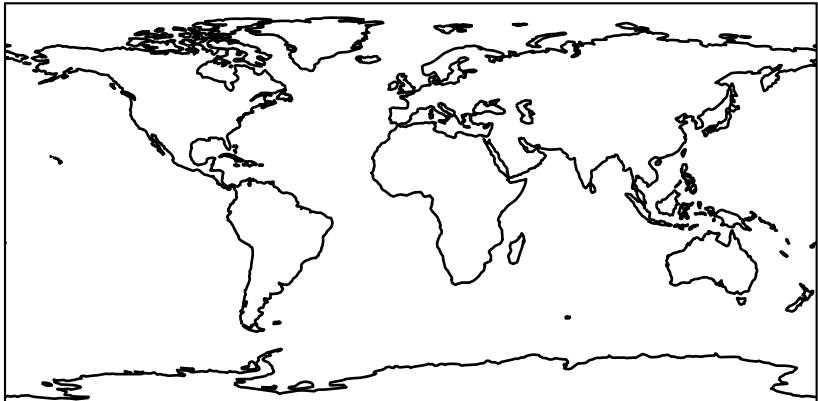


# EmisCH2O\_Total (Oct2019)



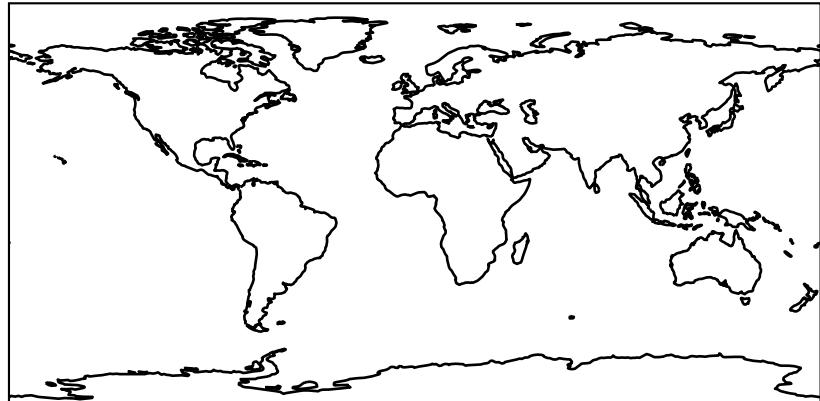
# EmisCO2\_Total (Oct2019)

GCHP\_13.2.0 (Ref)  
c48



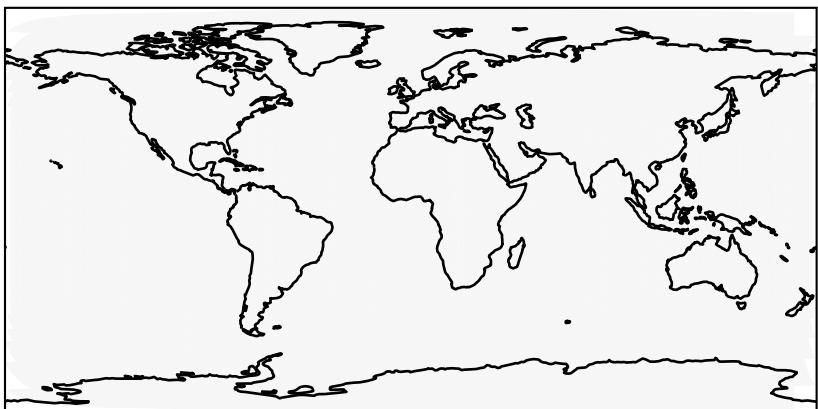
Zero throughout domain  
kg/m<sup>2</sup>/s

GCHP\_13.2.0-LuoWetdep (Dev)  
c48



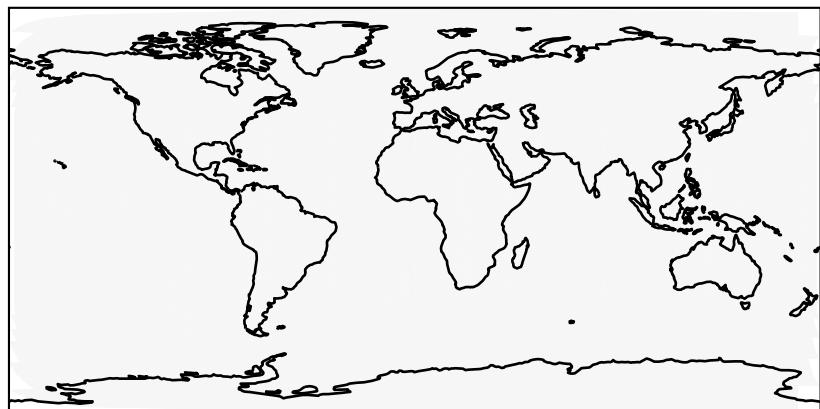
Zero throughout domain  
kg/m<sup>2</sup>/s

Difference  
Dev - Ref, Dynamic Range



Zero throughout domain  
kg/m<sup>2</sup>/s

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



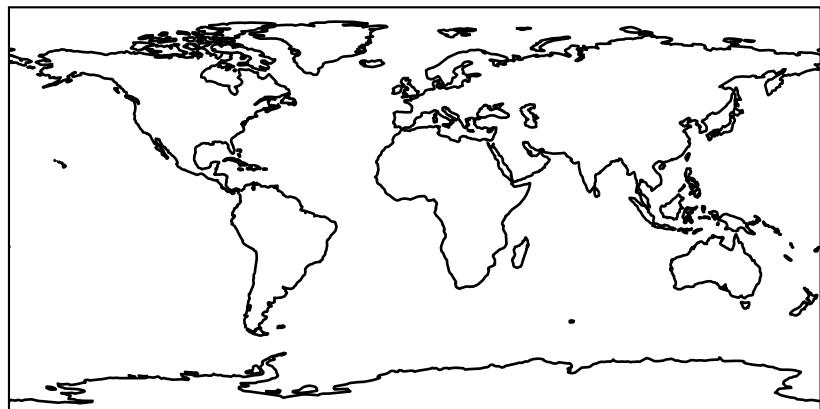
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kg/m<sup>2</sup>/s

Ratio  
Dev/Ref, Dynamic Range



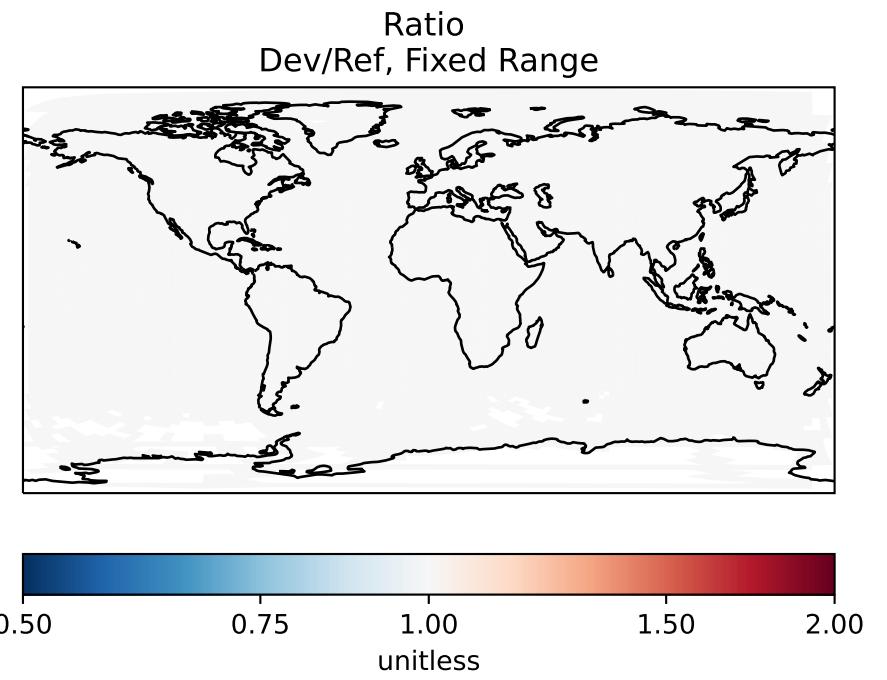
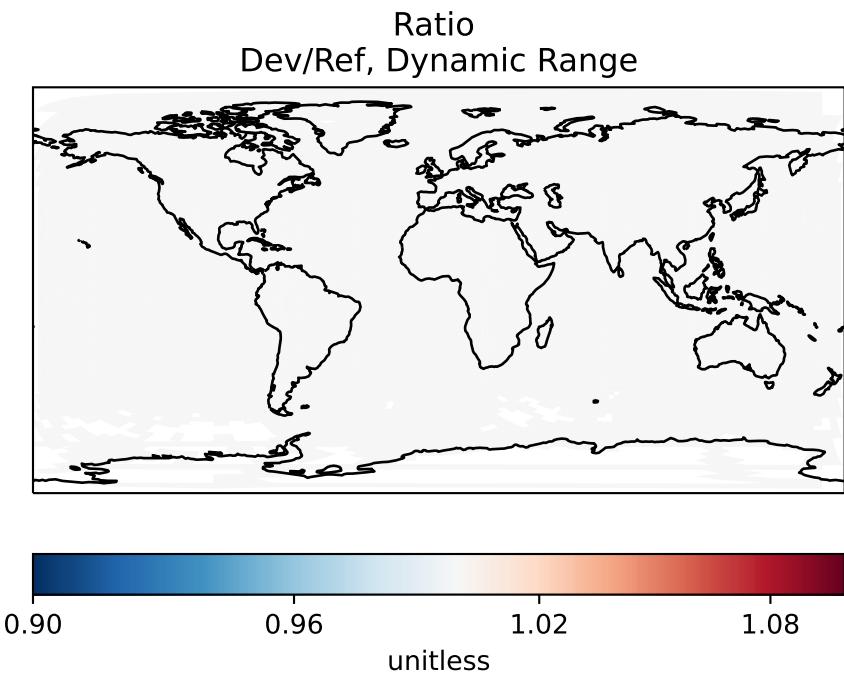
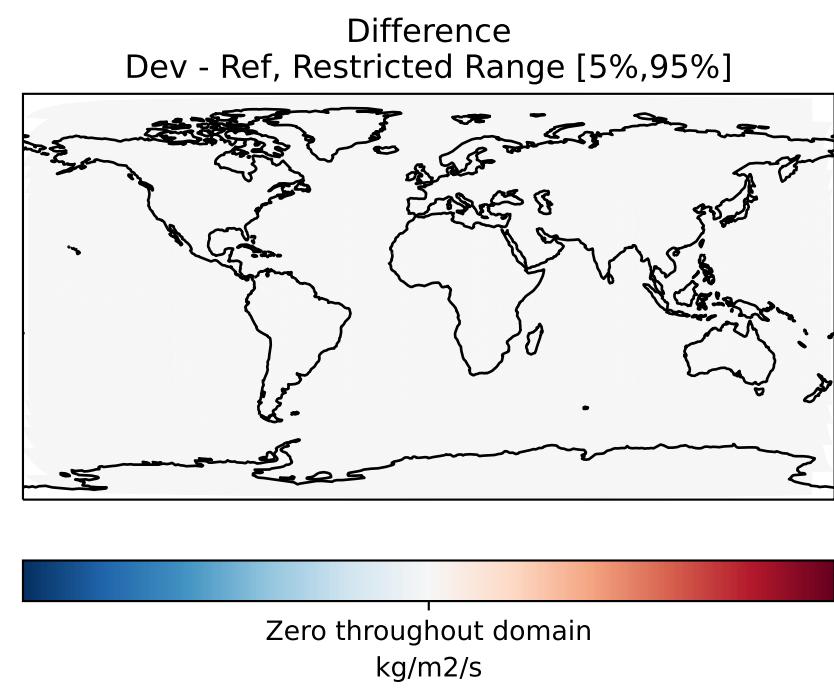
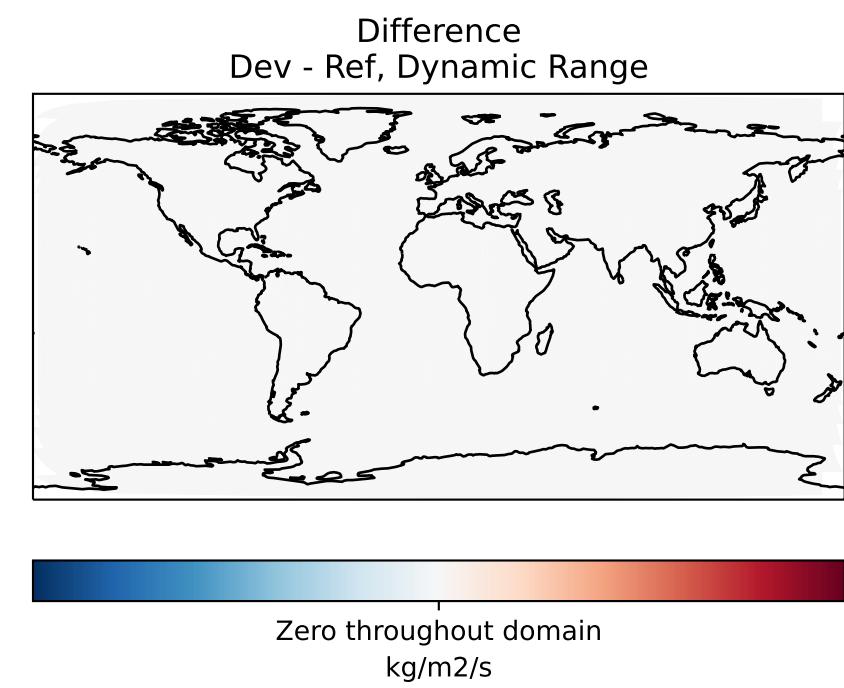
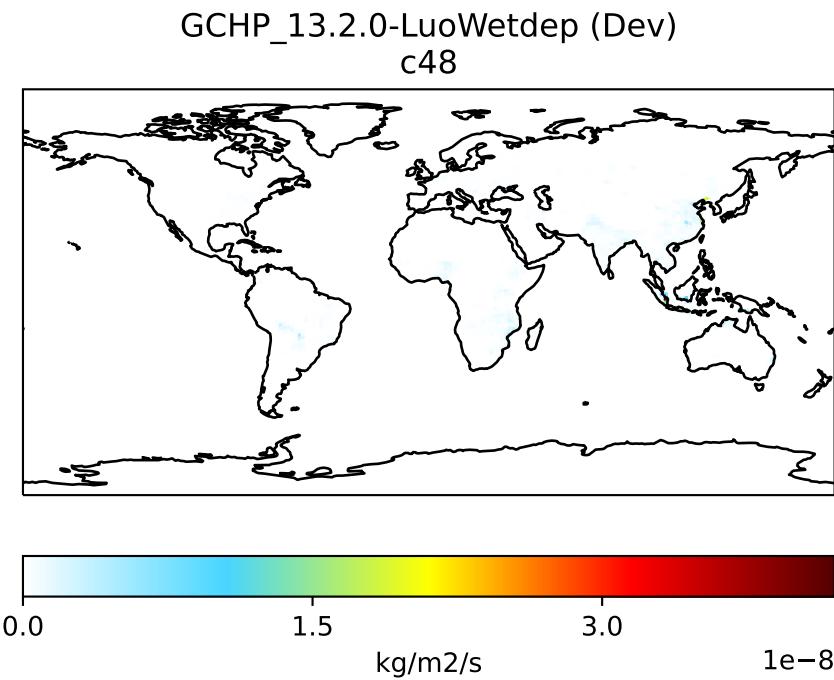
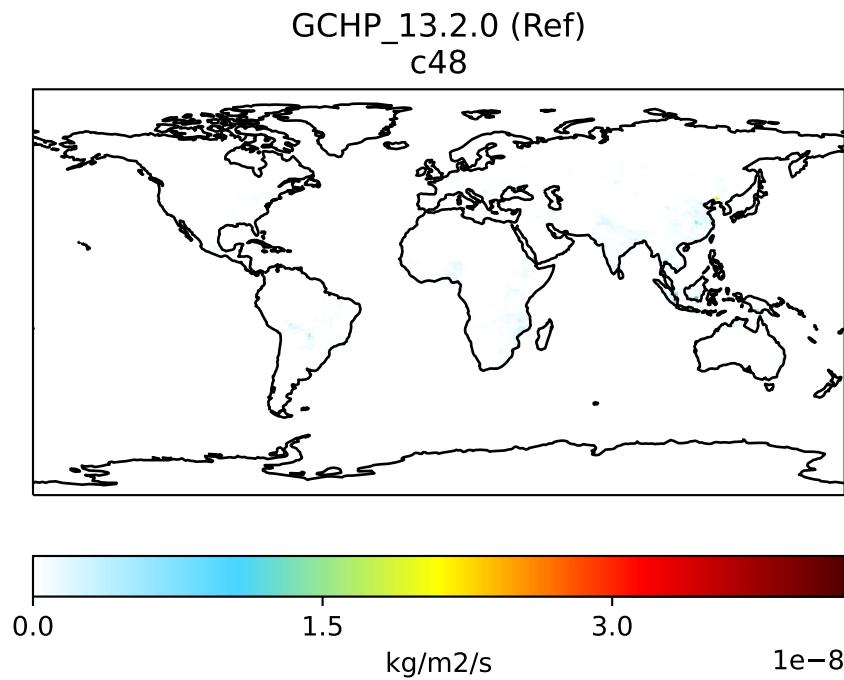
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Ratio  
Dev/Ref, Fixed Range

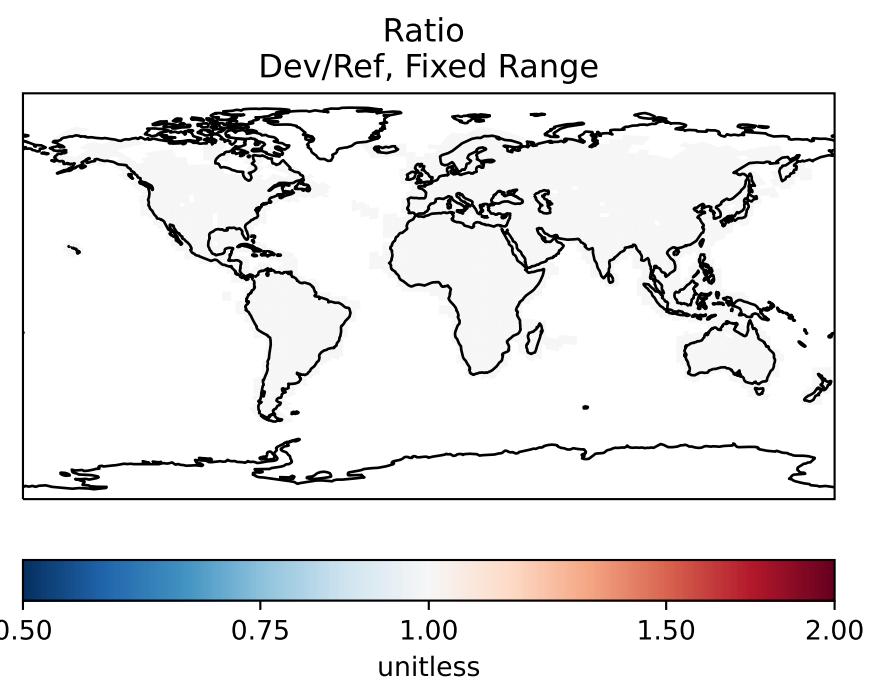
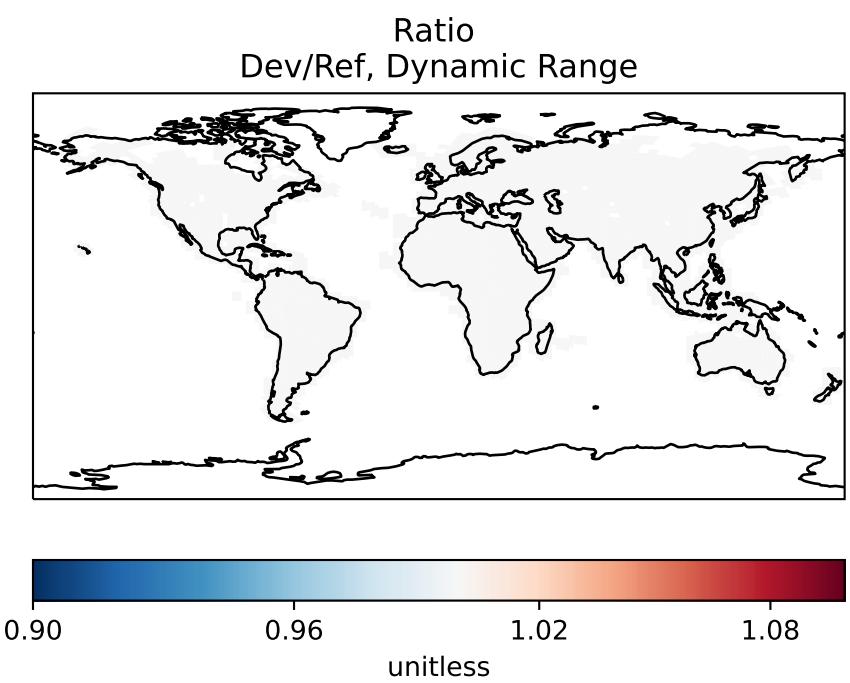
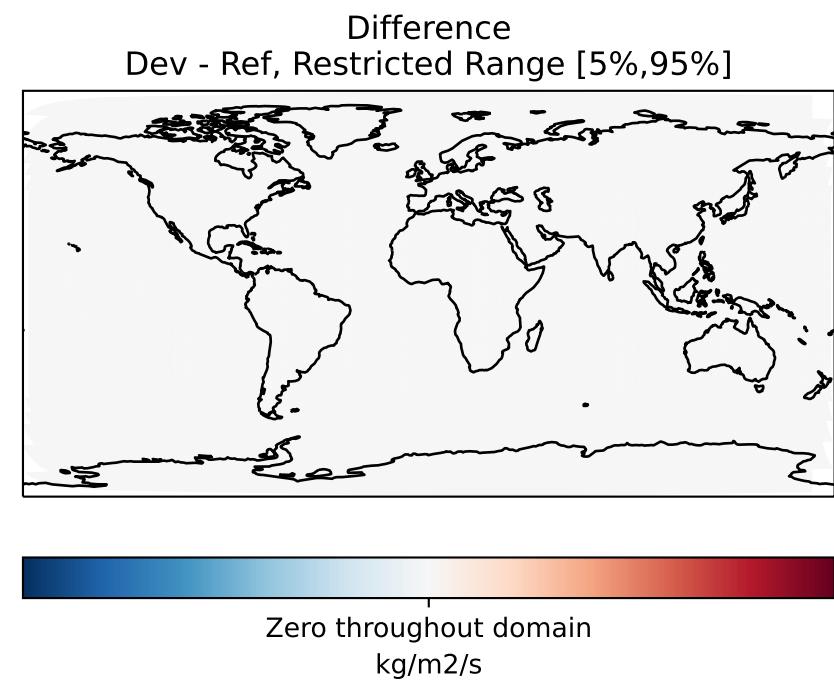
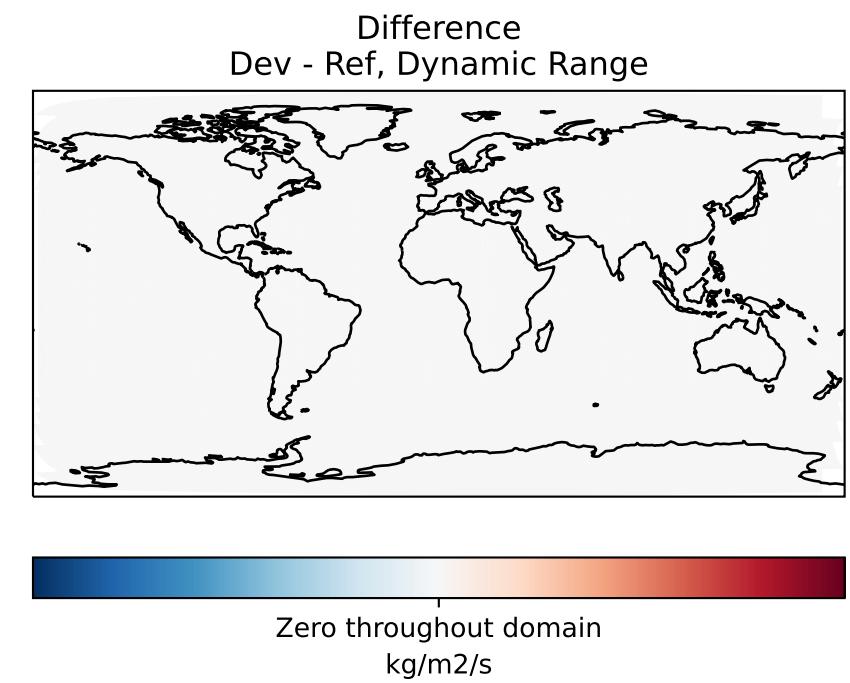
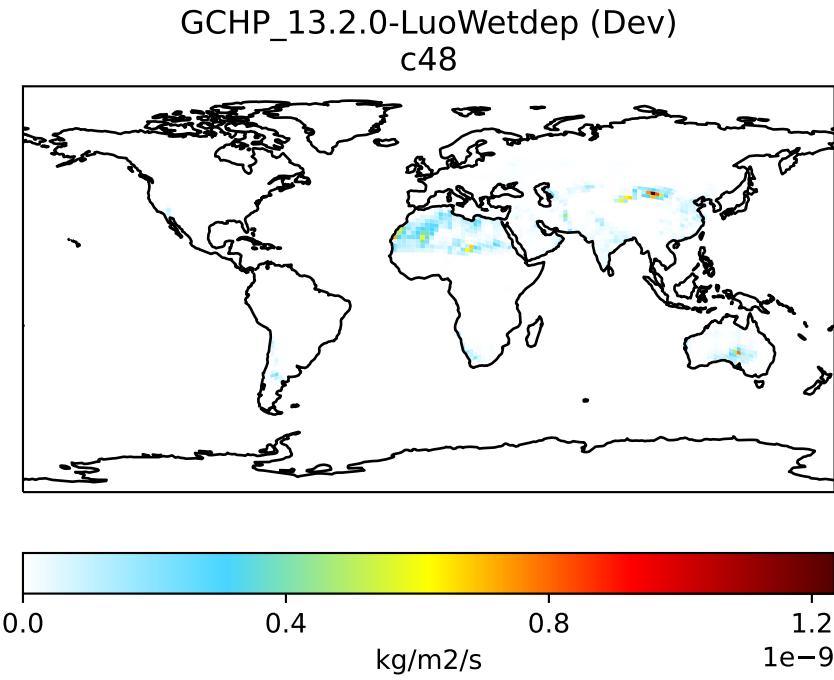
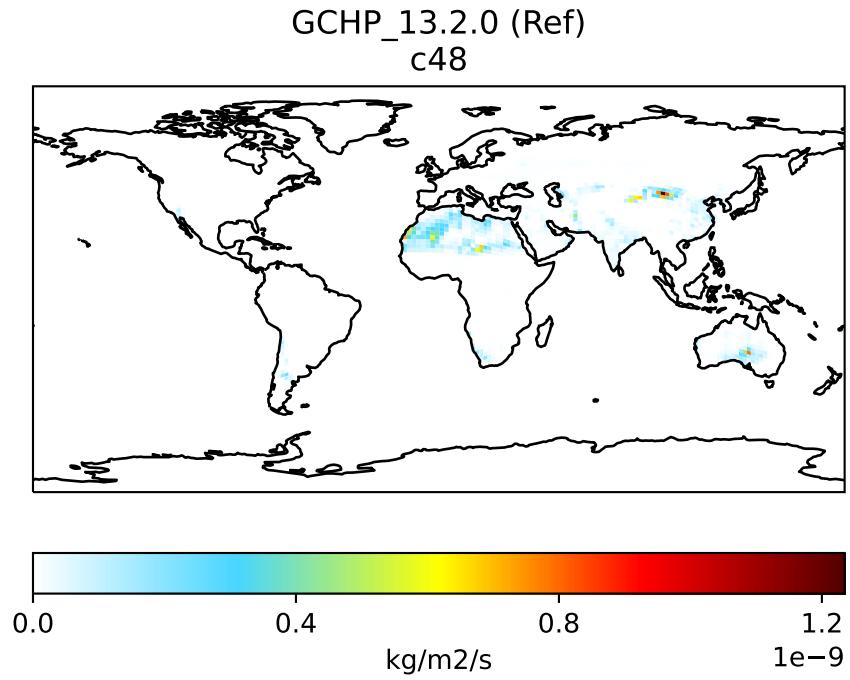


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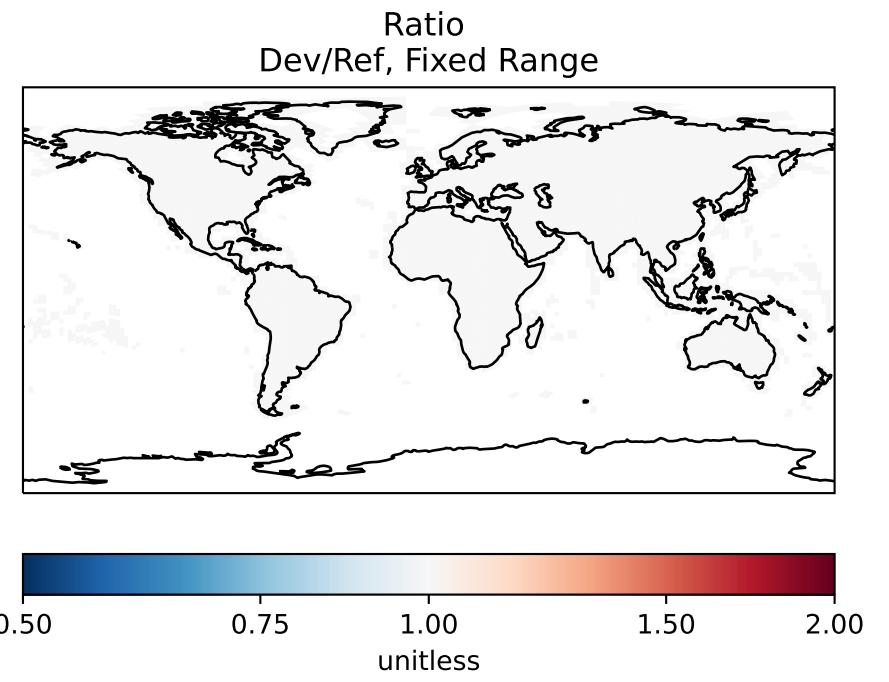
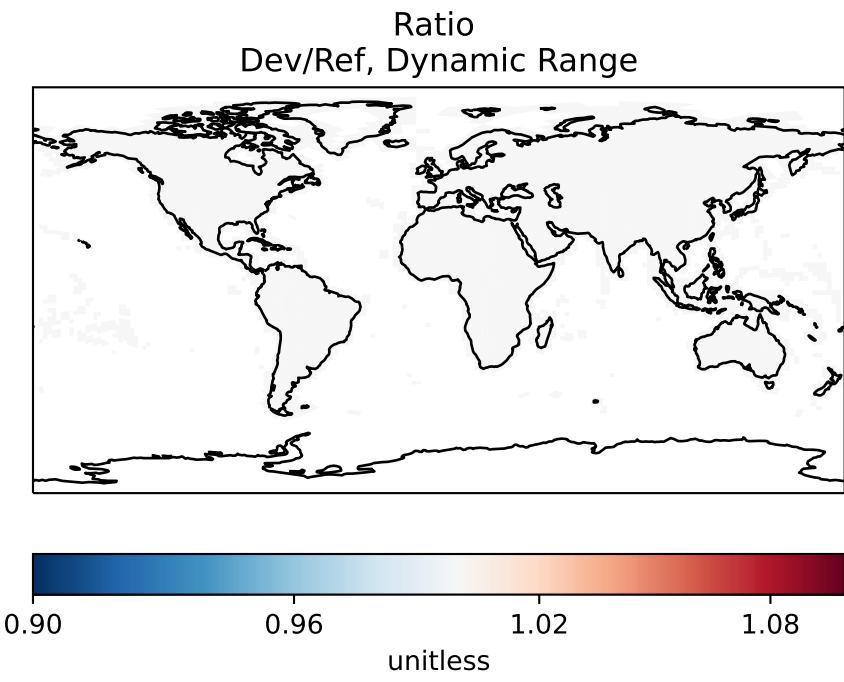
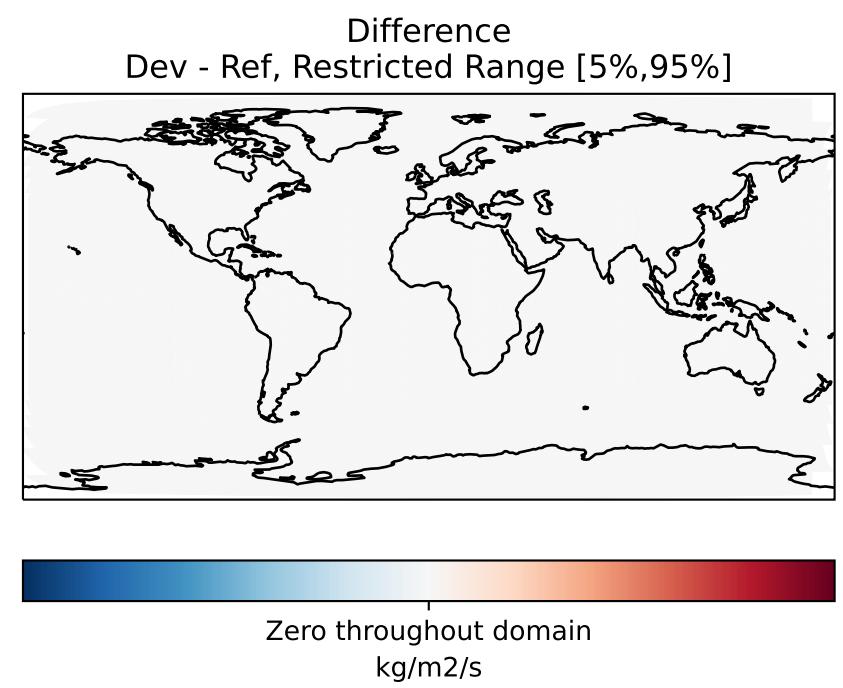
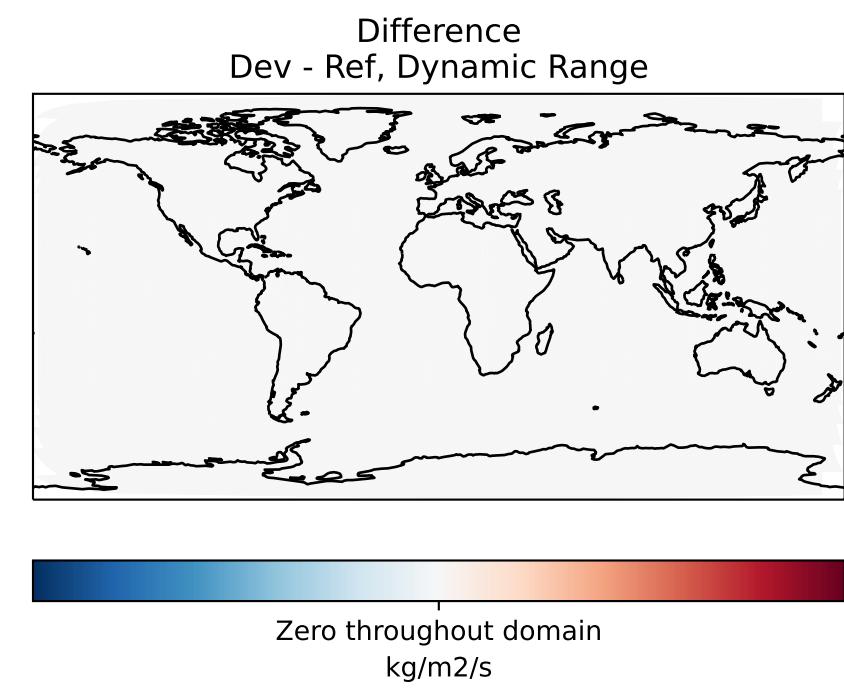
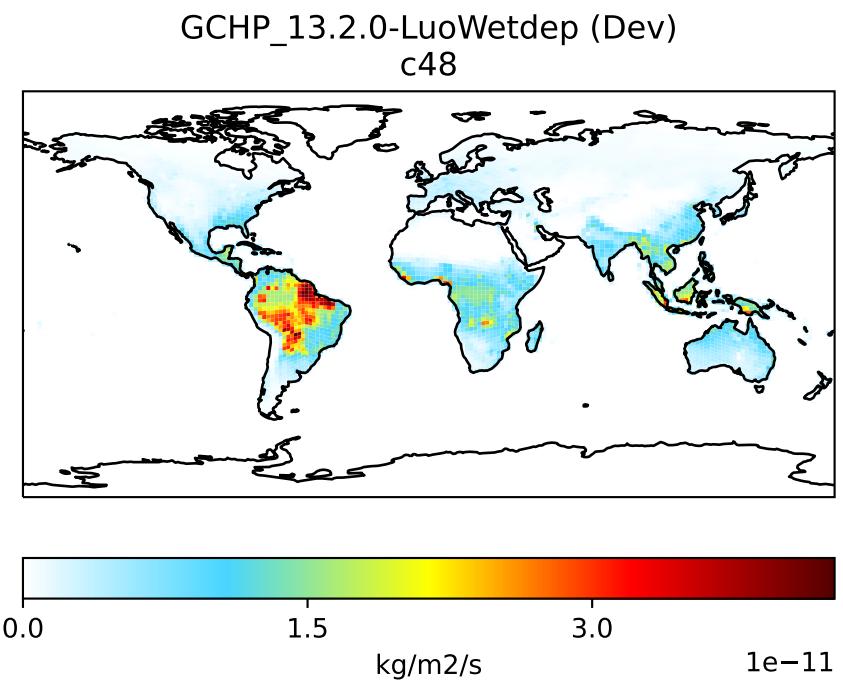
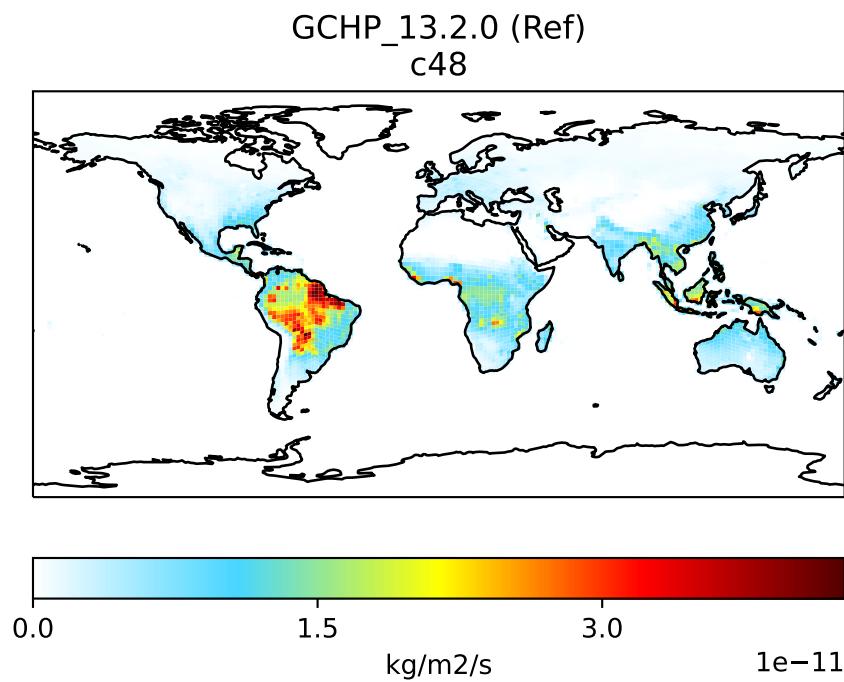
# EmisCO\_Total (Oct2019)



# EmisDST1\_Total (Oct2019)

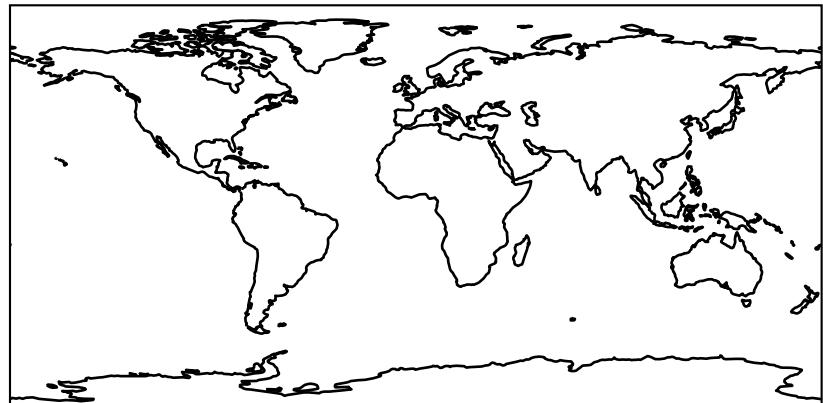


# EmisEOH\_Total (Oct2019)



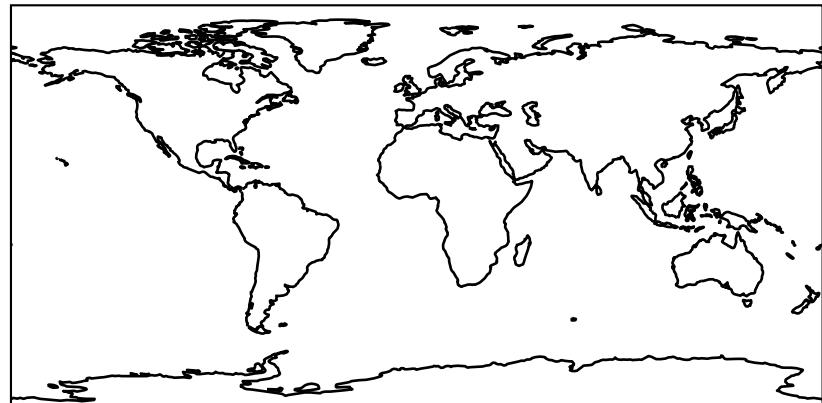
# EmisGLYC\_Total (Oct2019)

GCHP\_13.2.0 (Ref)  
c48



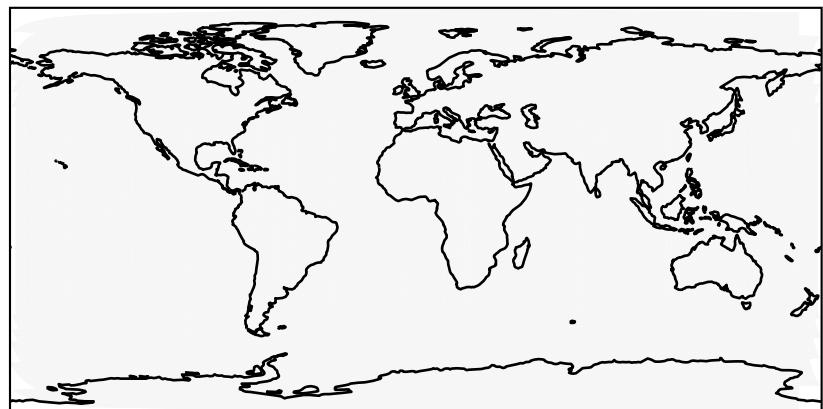
Zero throughout domain  
kg/m<sup>2</sup>/s

GCHP\_13.2.0-LuoWetdep (Dev)  
c48



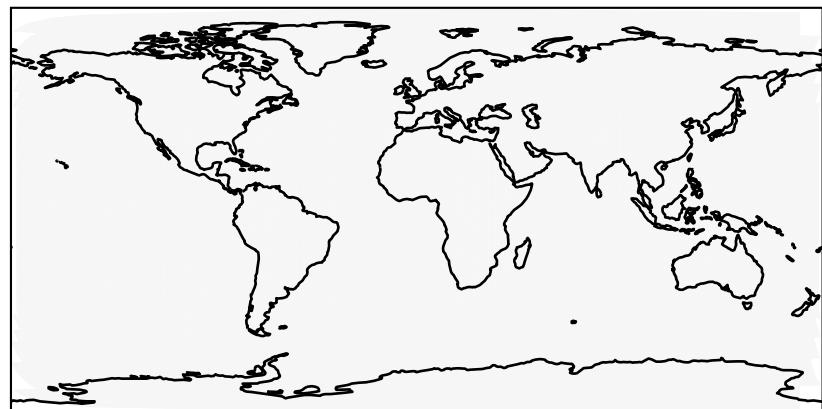
Zero throughout domain  
kg/m<sup>2</sup>/s

Difference  
Dev - Ref, Dynamic Range



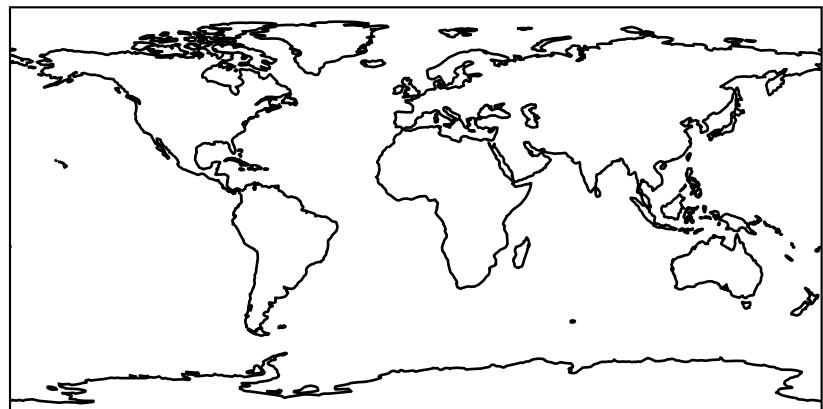
Zero throughout domain  
kg/m<sup>2</sup>/s

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



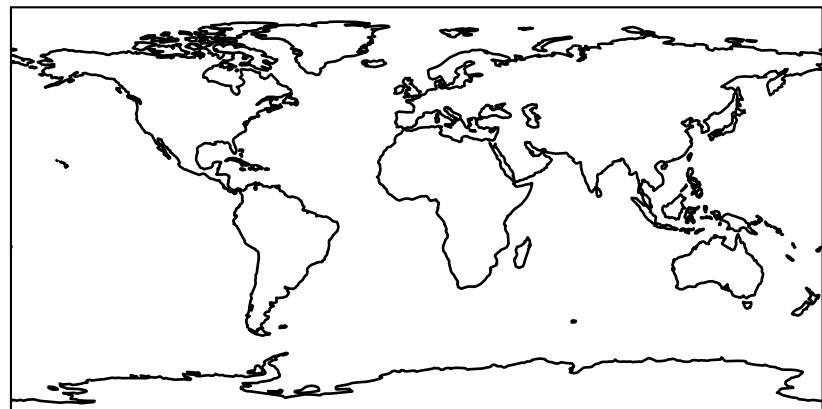
Zero throughout domain  
kg/m<sup>2</sup>/s

Ratio  
Dev/Ref, Dynamic Range



Undefined throughout domain  
unitless

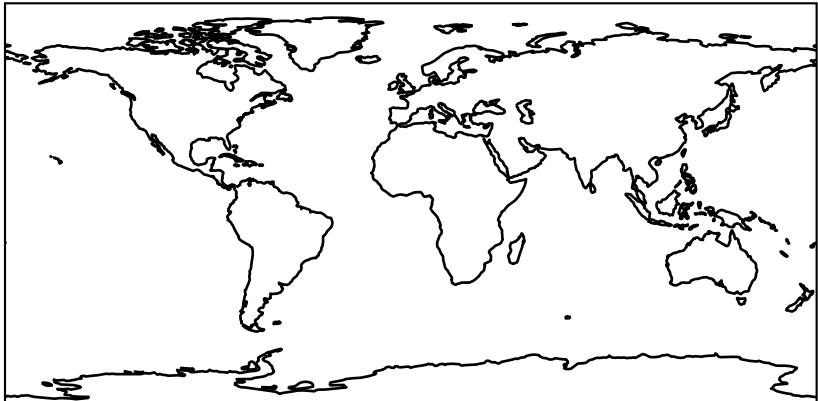
Ratio  
Dev/Ref, Fixed Range



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unitless

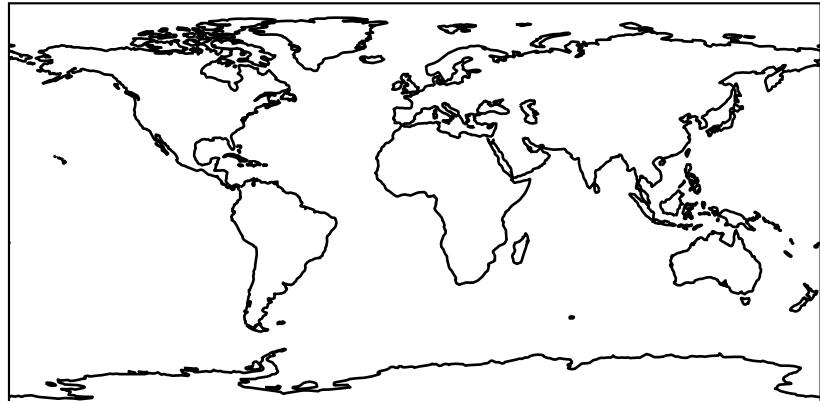
# EmisHAC\_Total (Oct2019)

GCHP\_13.2.0 (Ref)  
c48



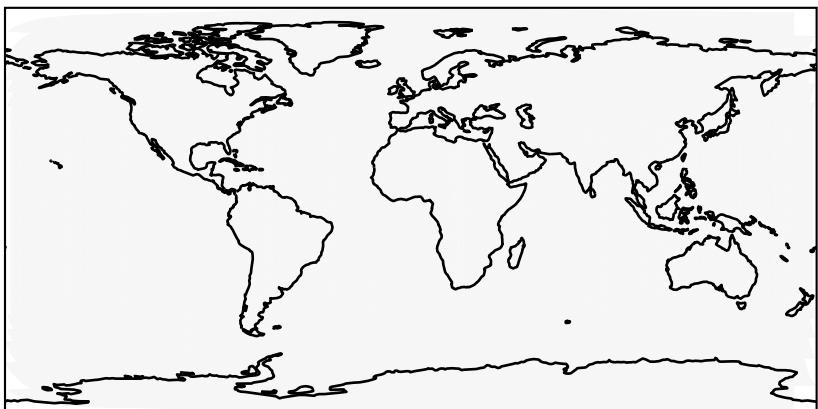
Zero throughout domain  
kg/m<sup>2</sup>/s

GCHP\_13.2.0-LuoWetdep (Dev)  
c48



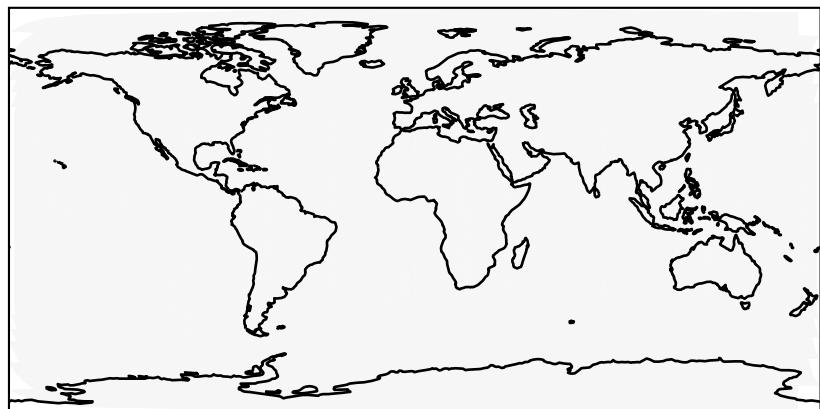
Zero throughout domain  
kg/m<sup>2</sup>/s

Difference  
Dev - Ref, Dynamic Range



Zero throughout domain  
kg/m<sup>2</sup>/s

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



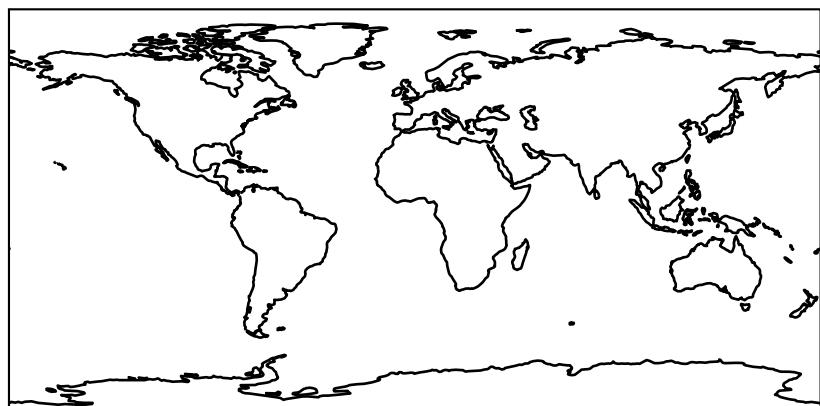
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kg/m<sup>2</sup>/s

Ratio  
Dev/Ref, Dynamic Range



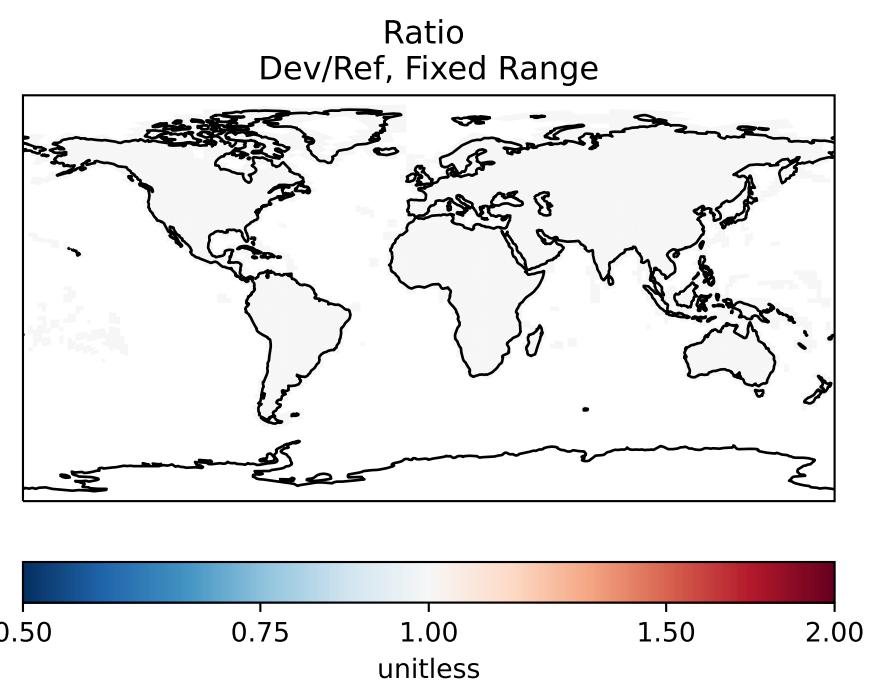
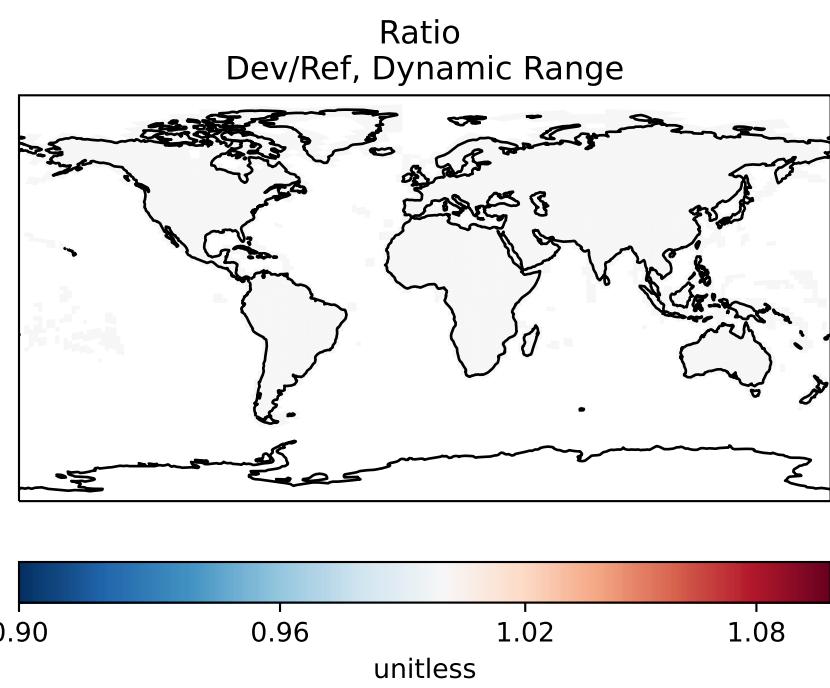
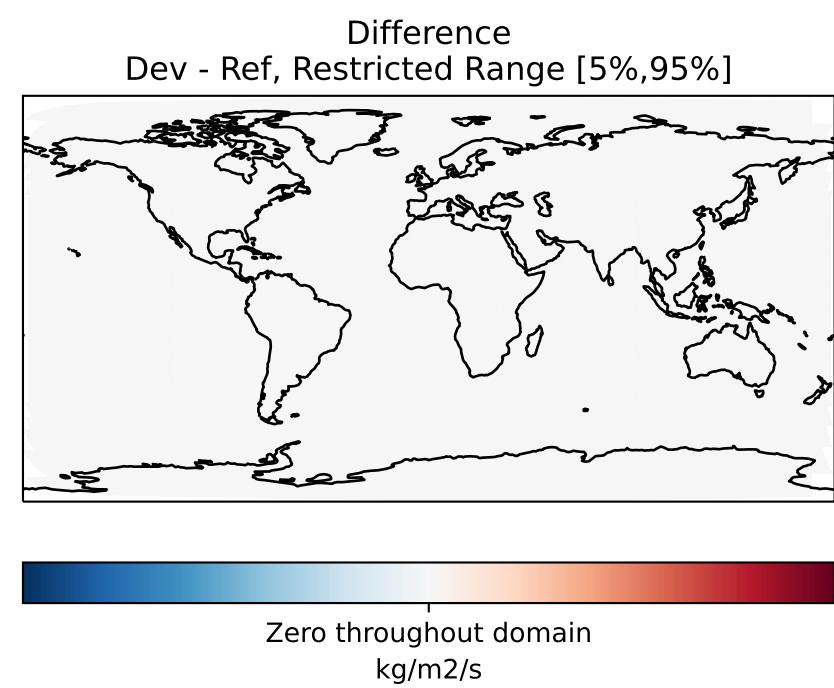
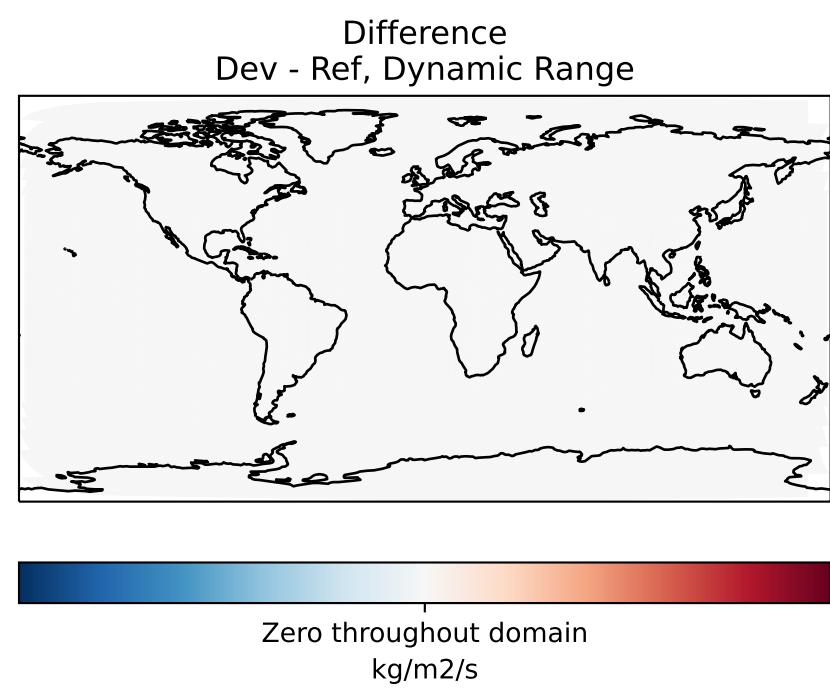
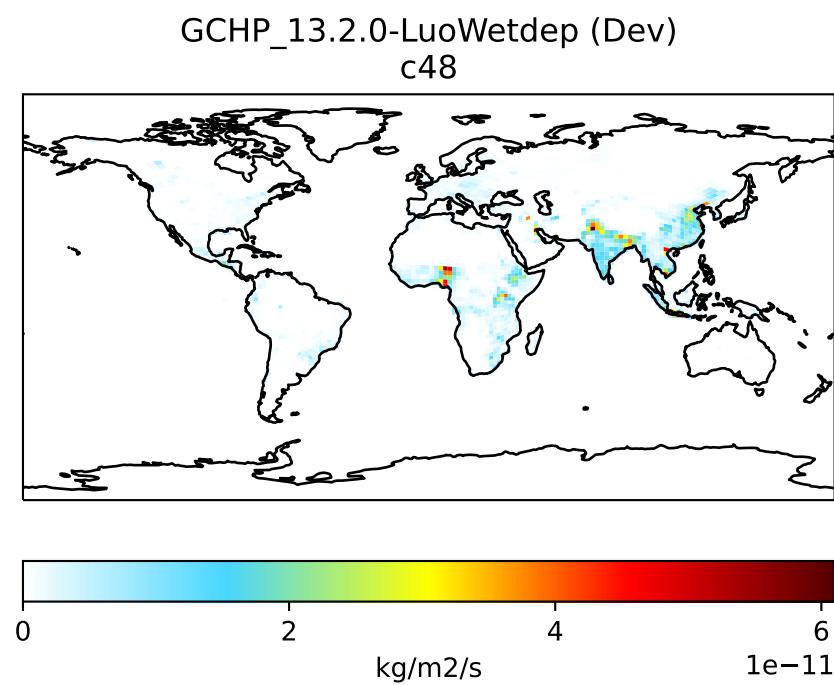
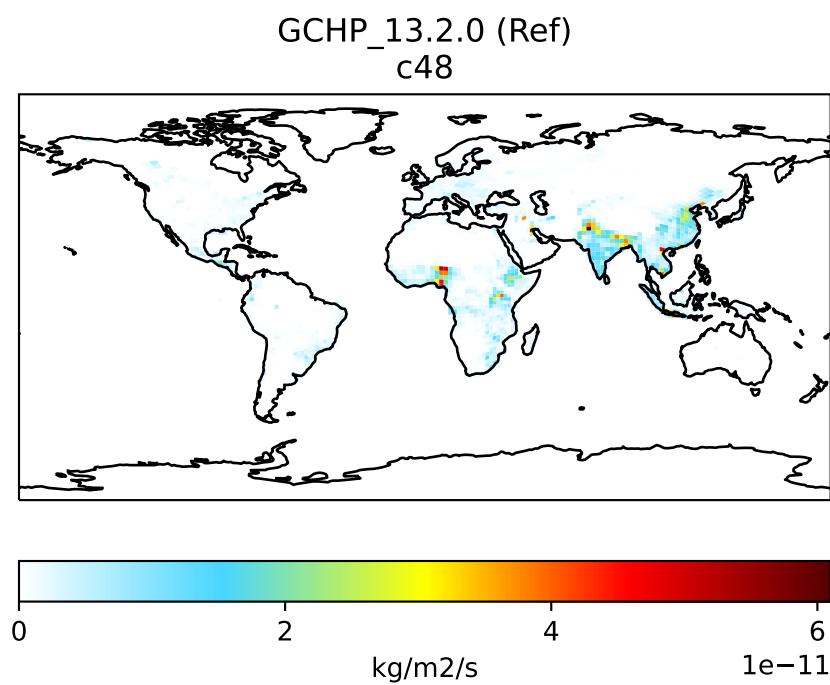
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Ratio  
Dev/Ref, Fixed Range

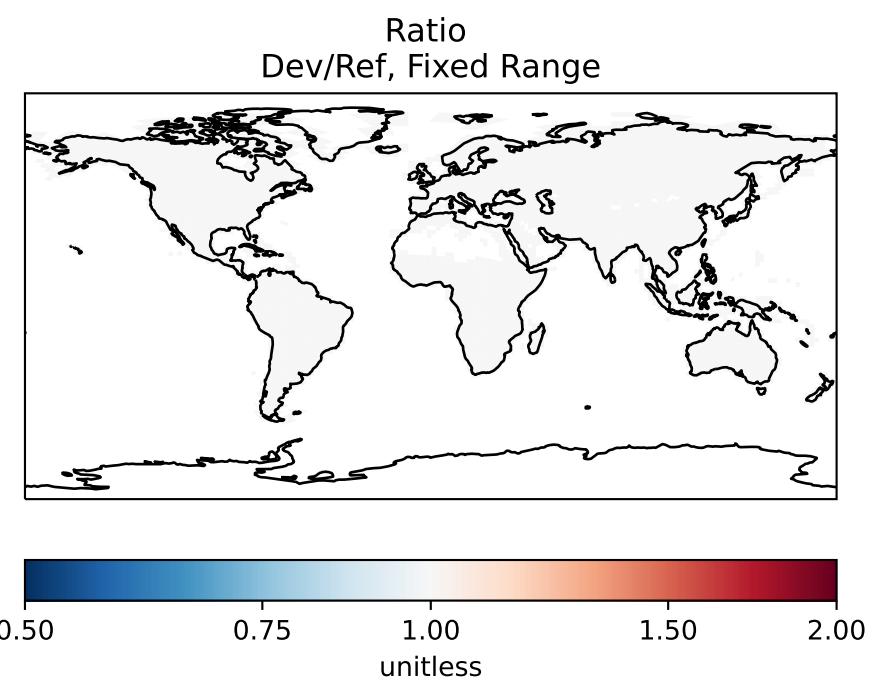
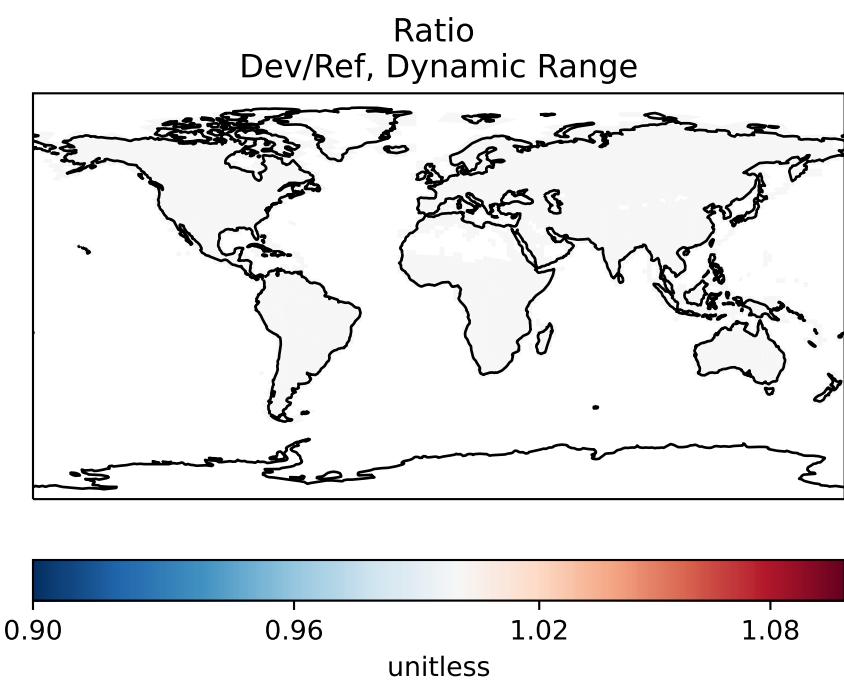
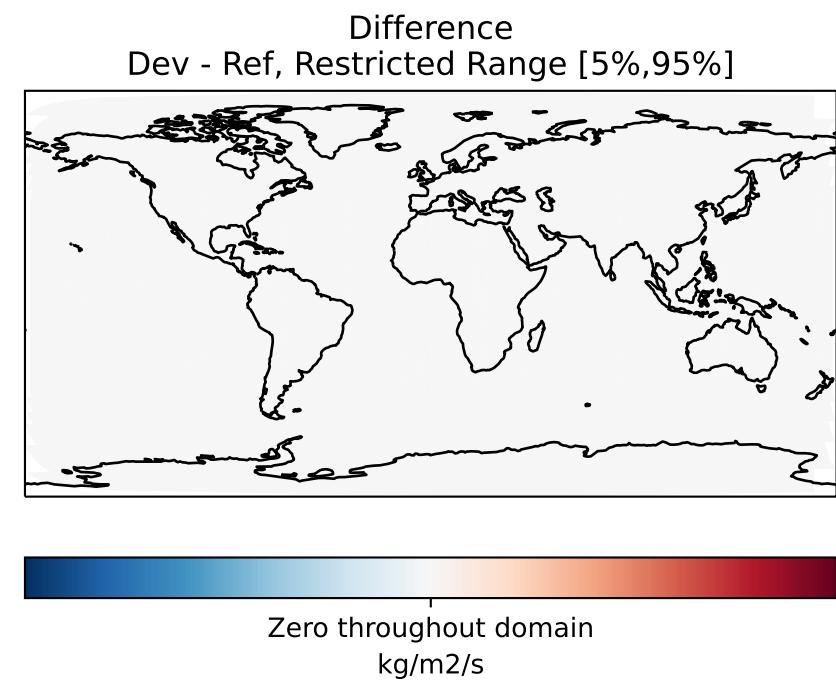
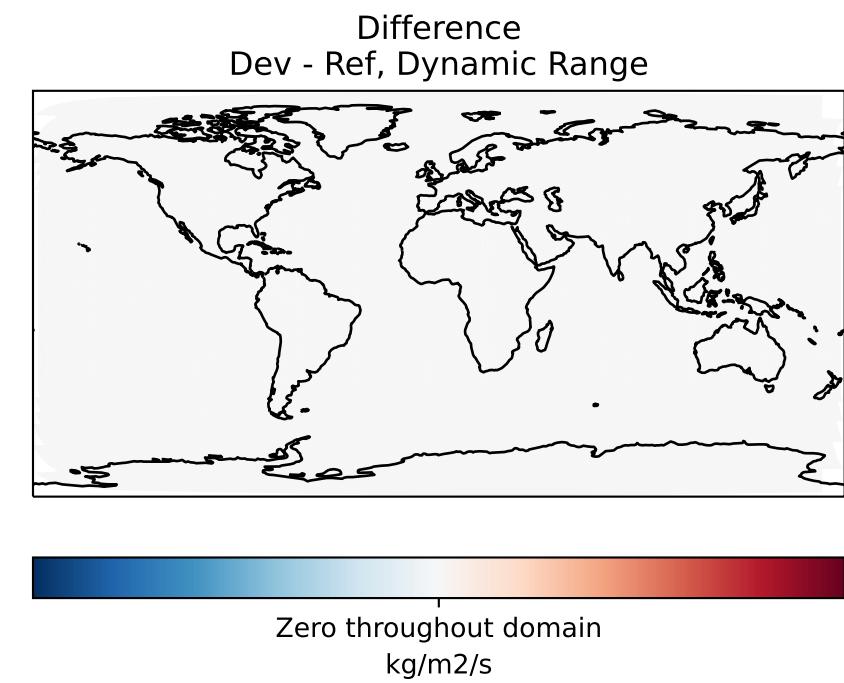
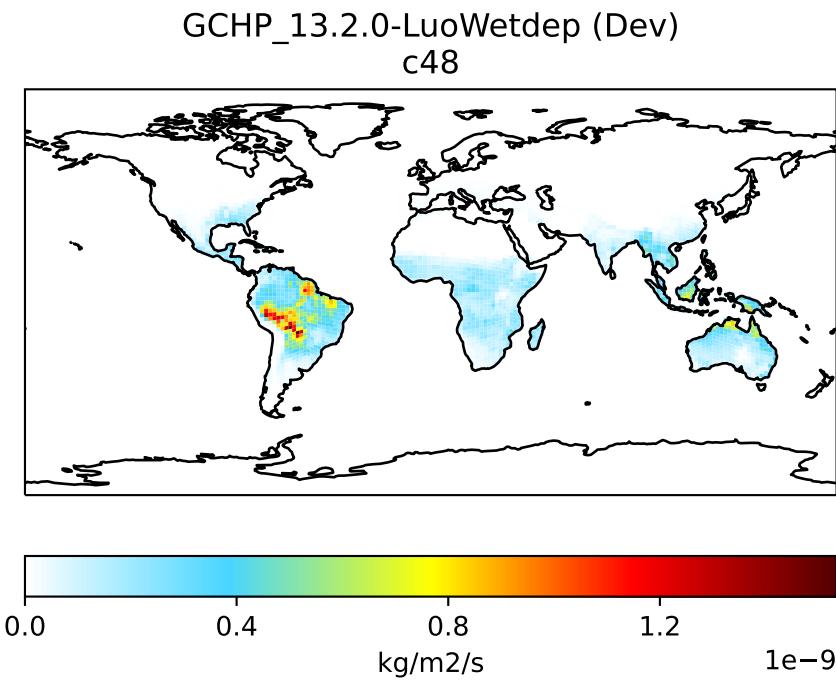
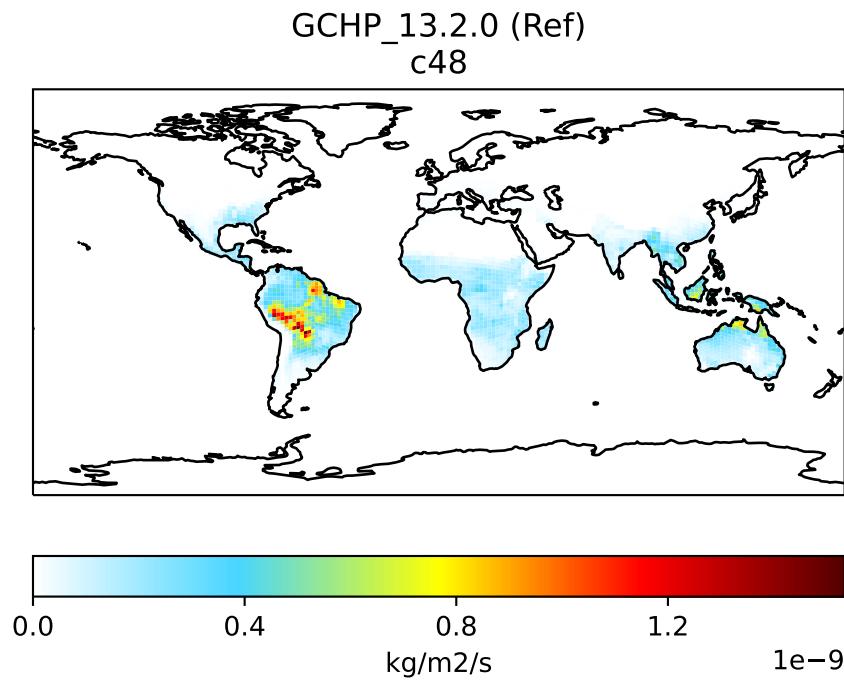


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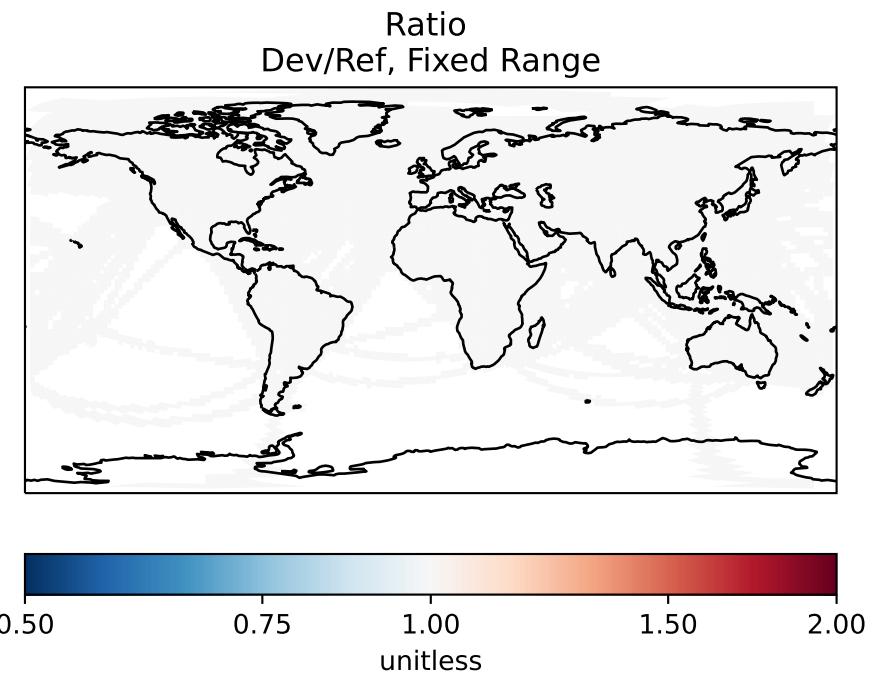
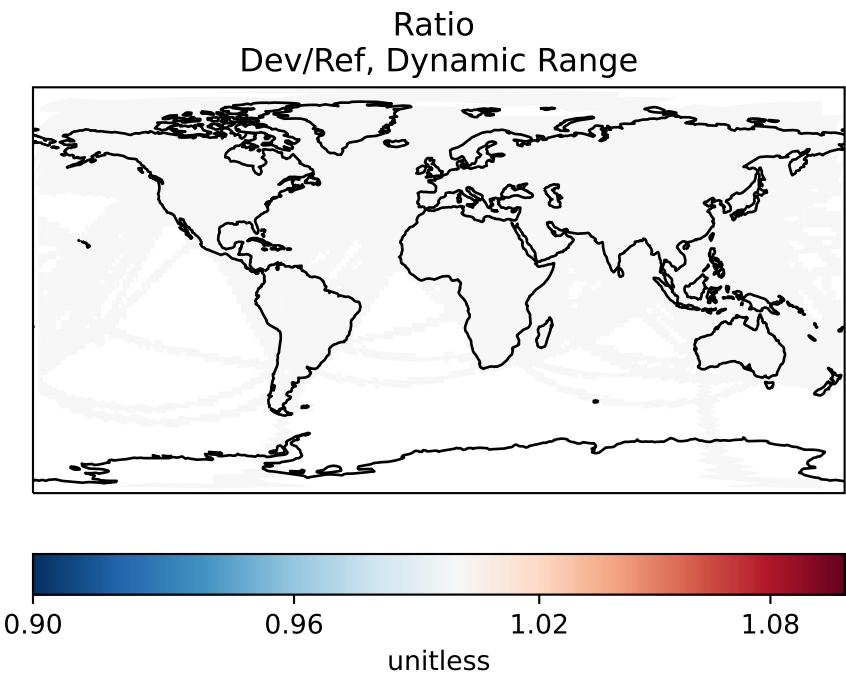
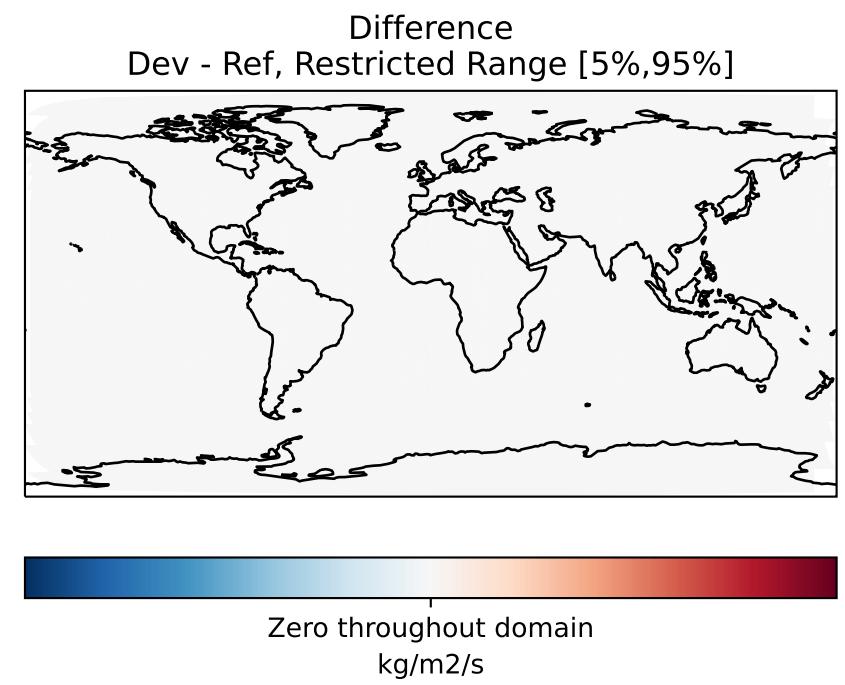
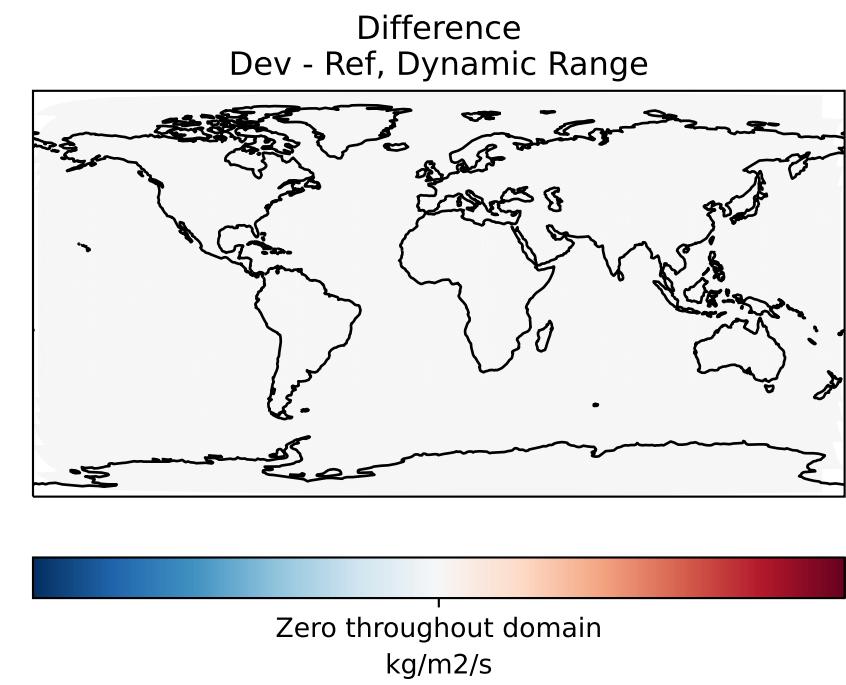
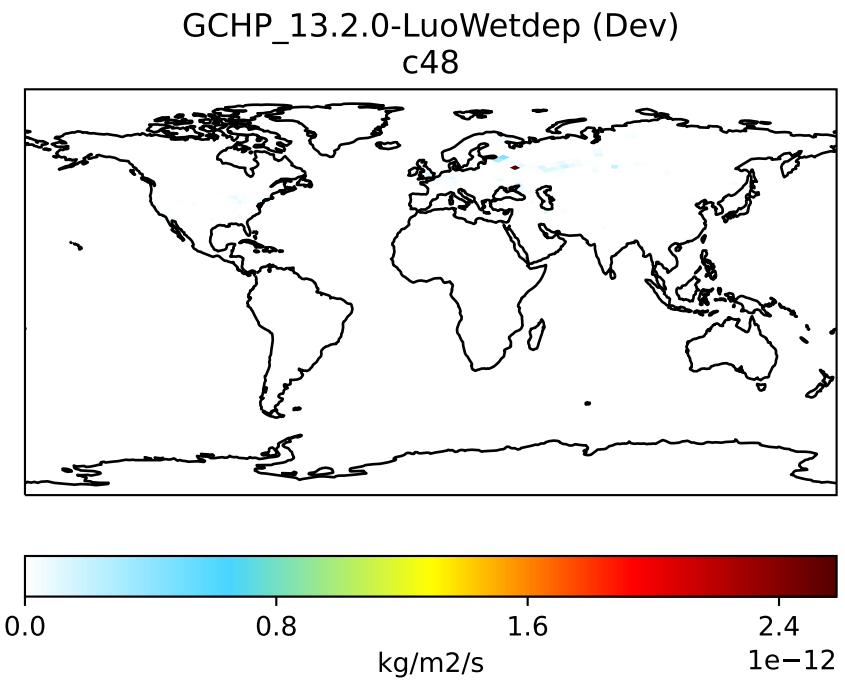
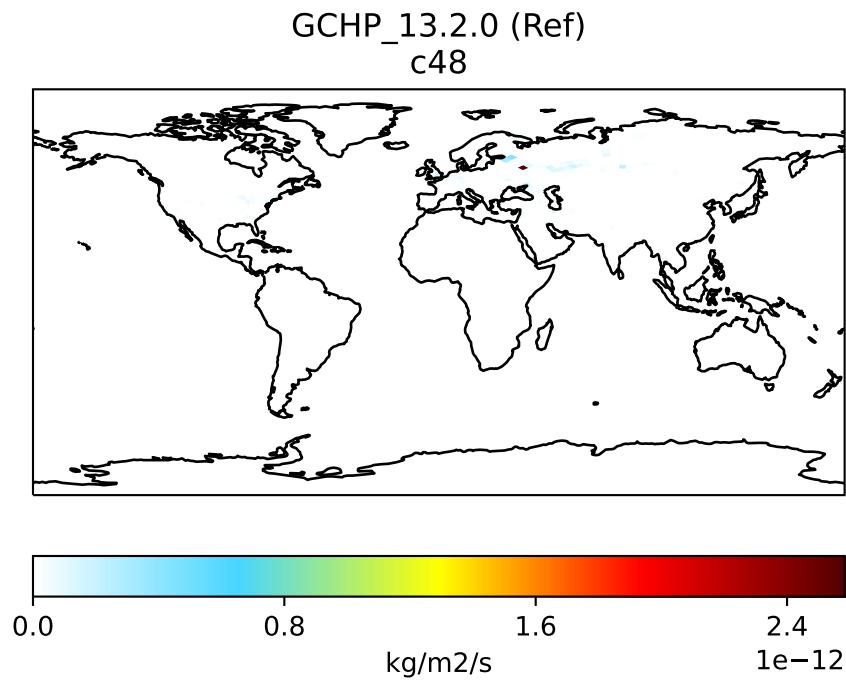
# EmisHCOOH\_Total (Oct2019)



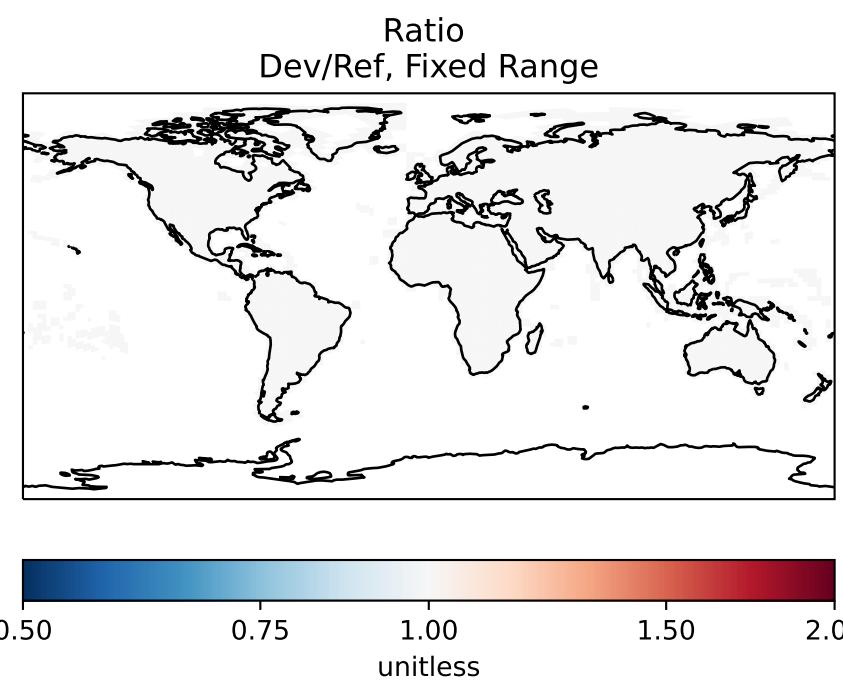
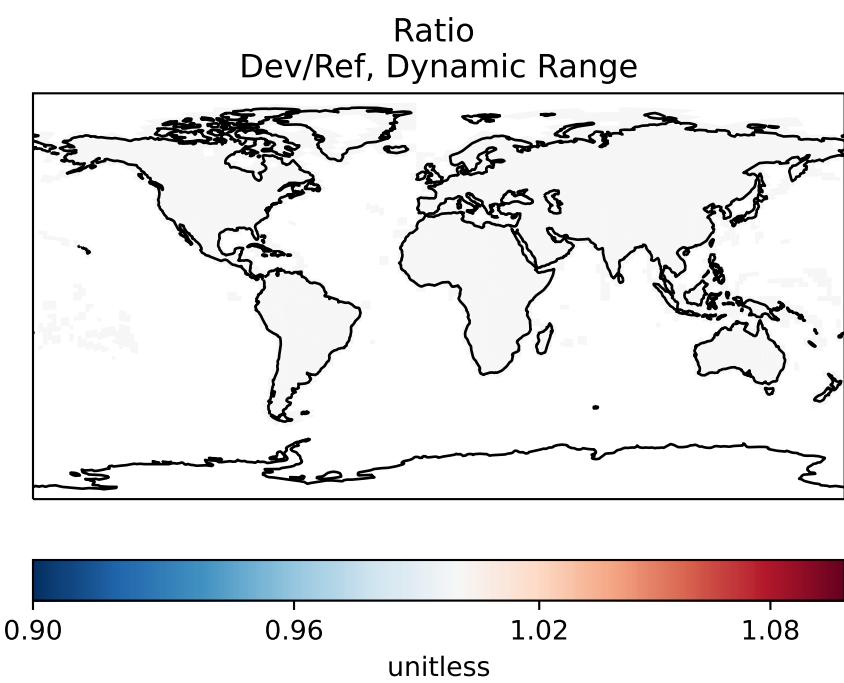
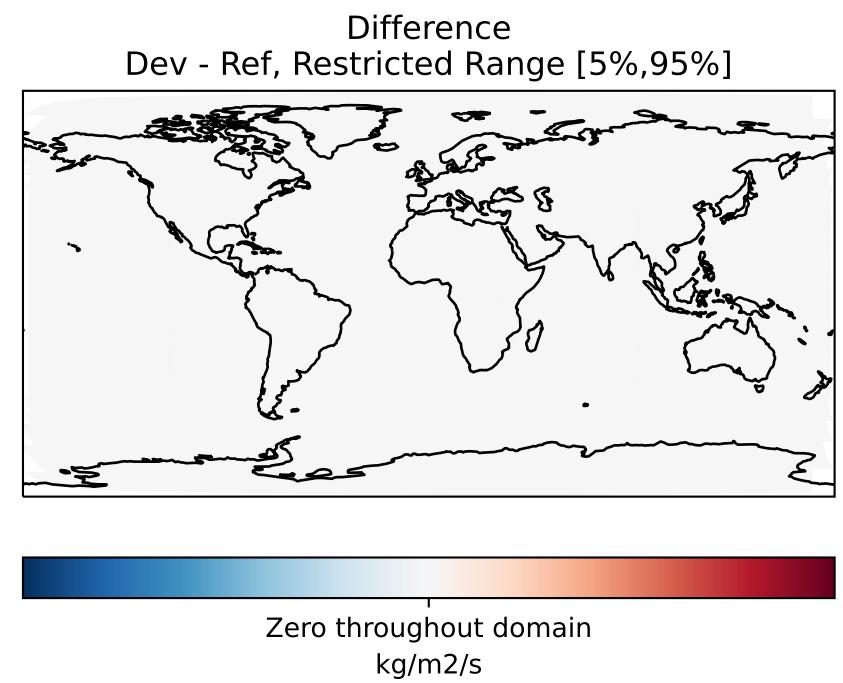
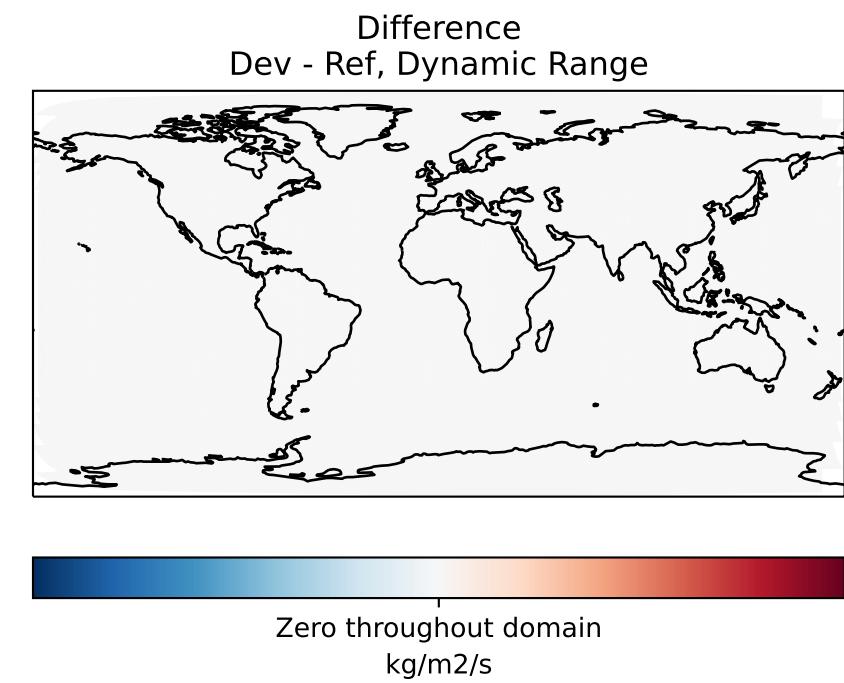
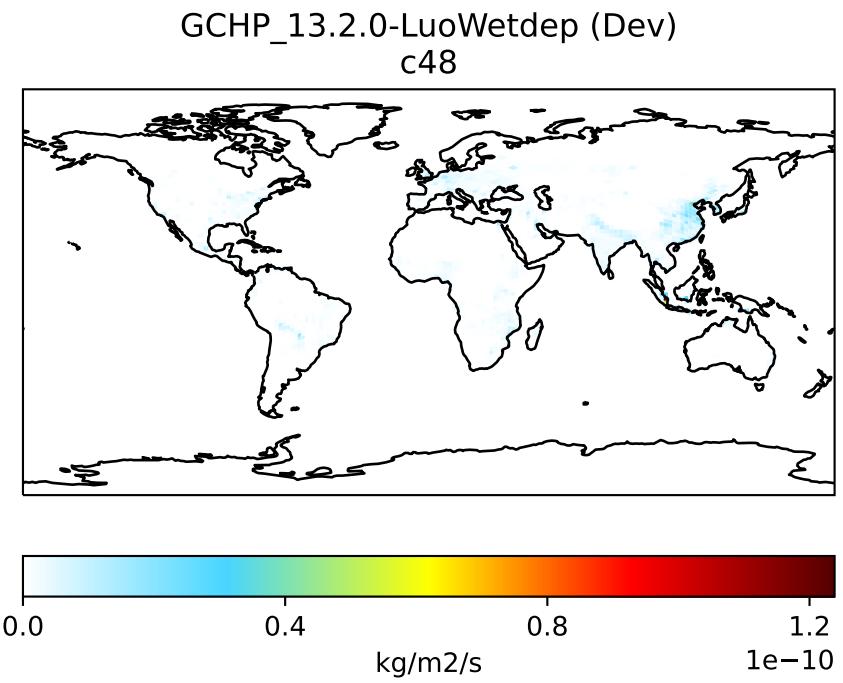
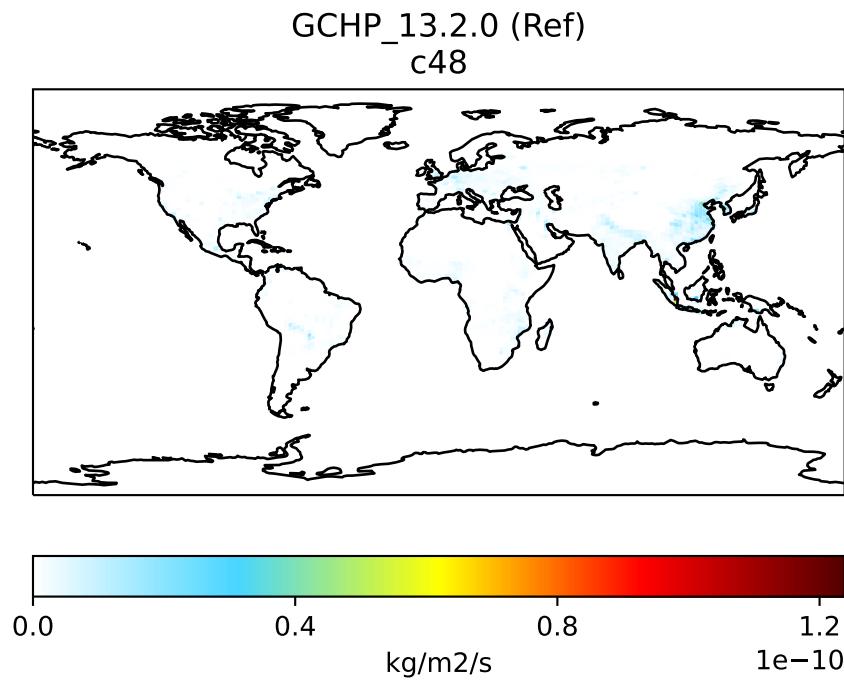
# EmisISOP\_Total (Oct2019)



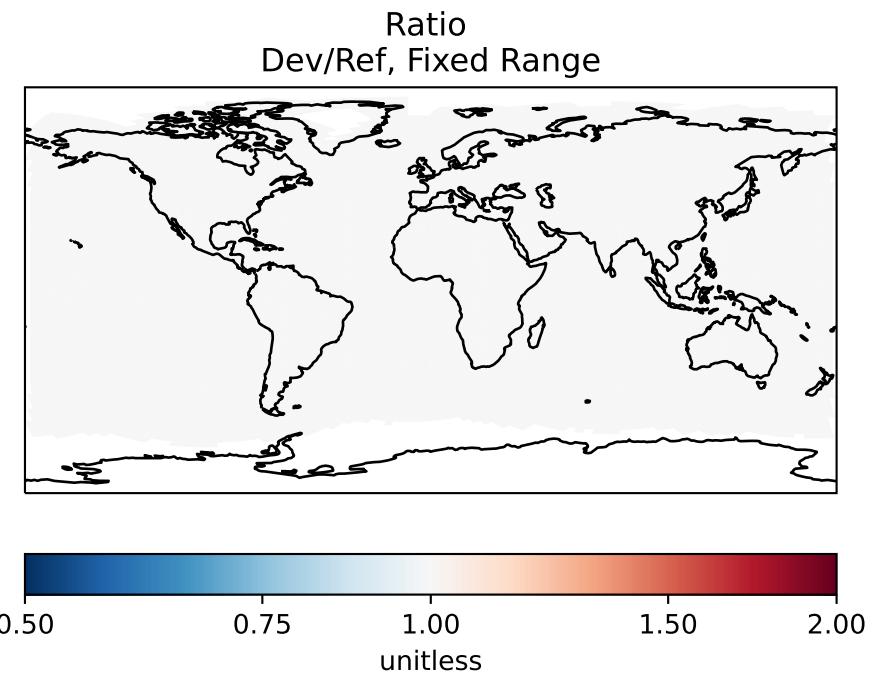
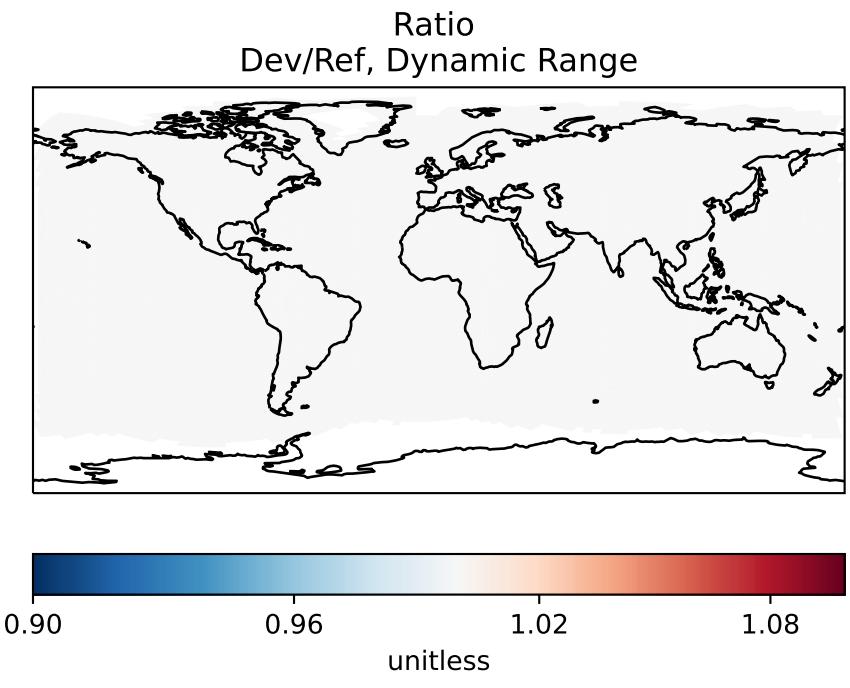
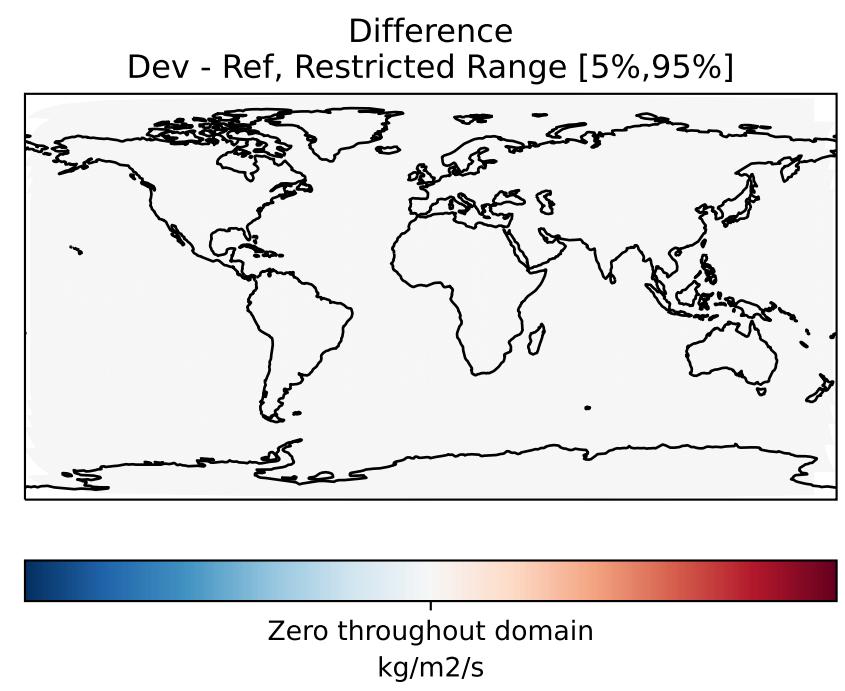
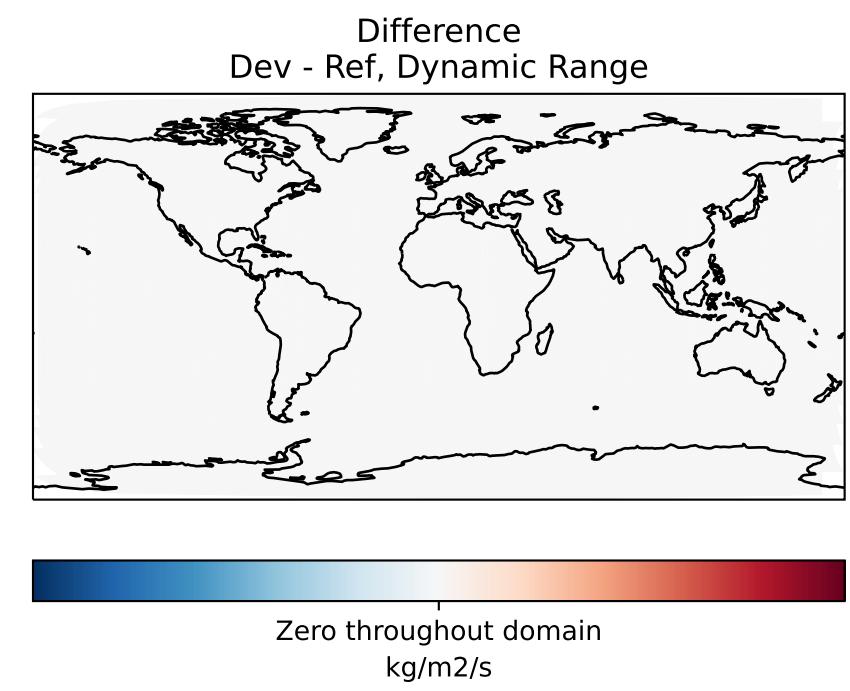
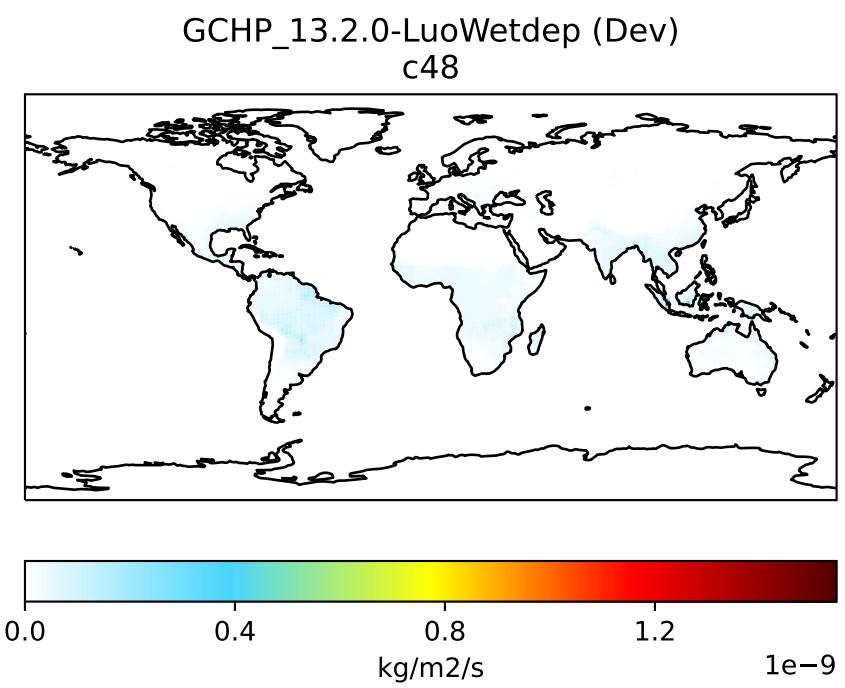
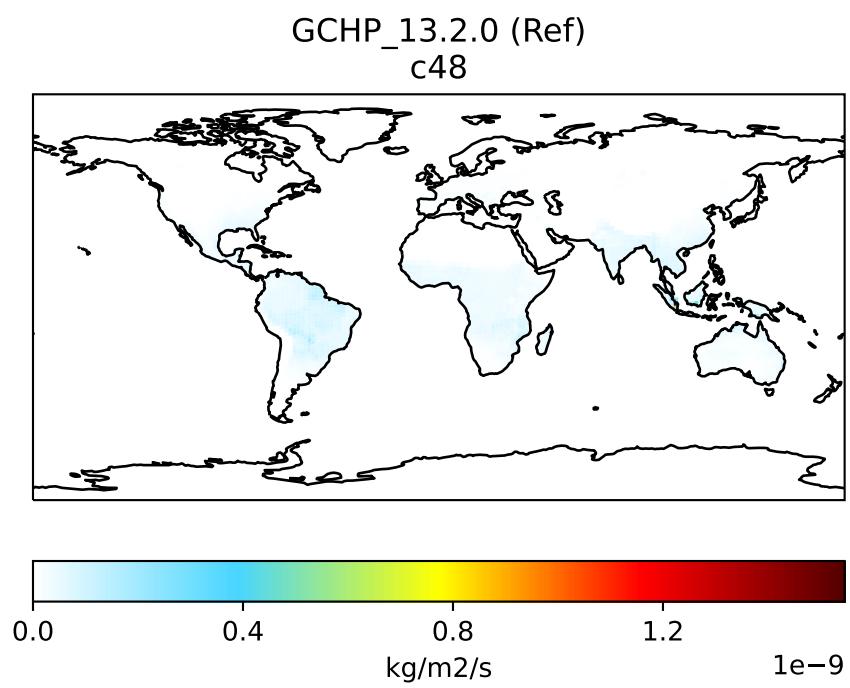
# EmisMACR\_Total (Oct2019)



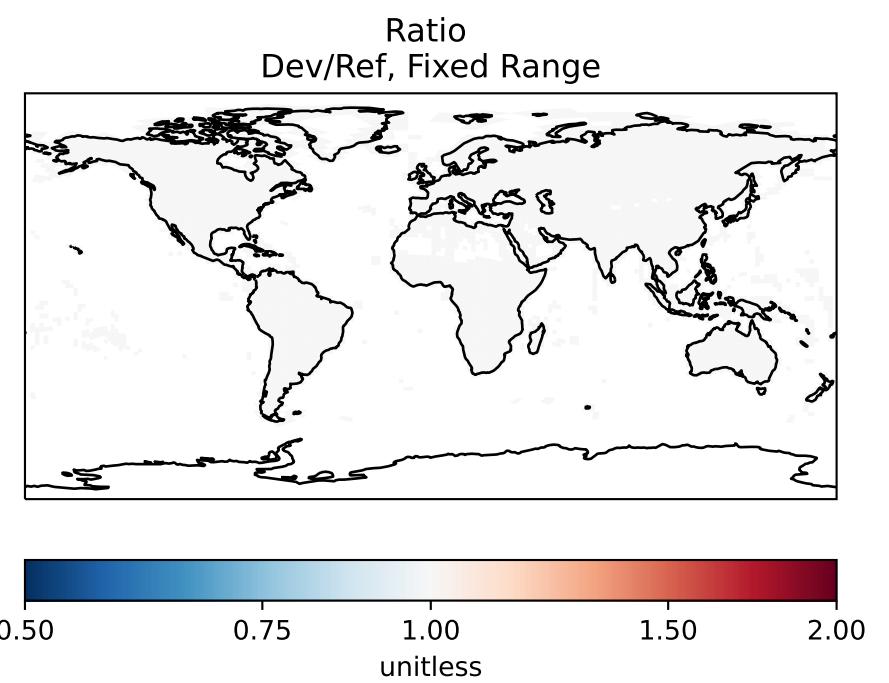
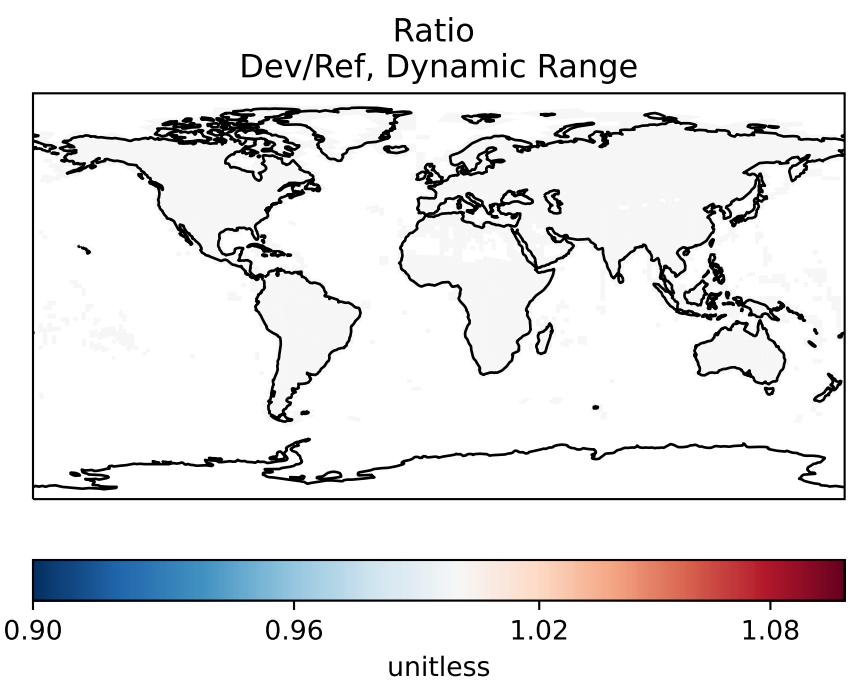
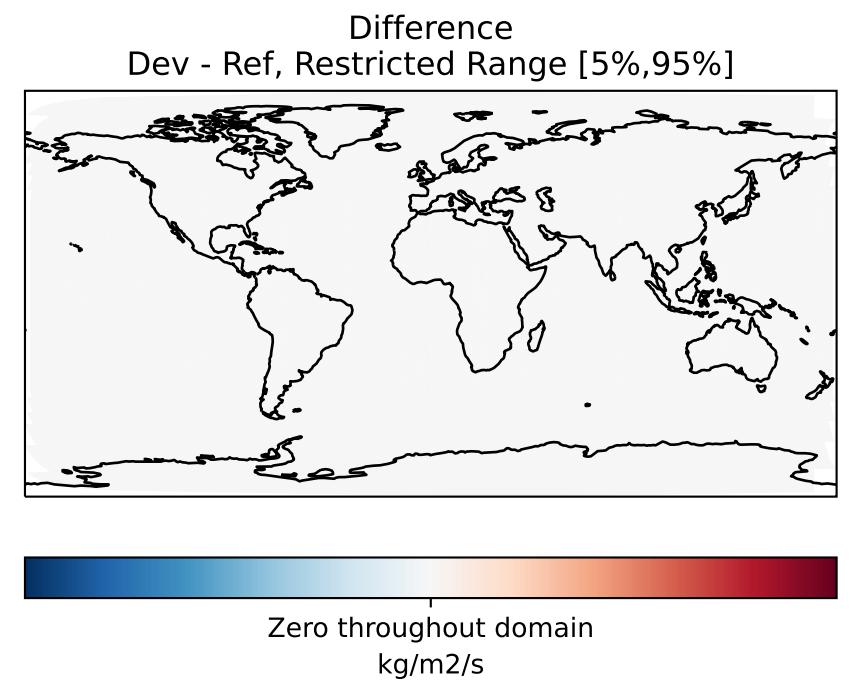
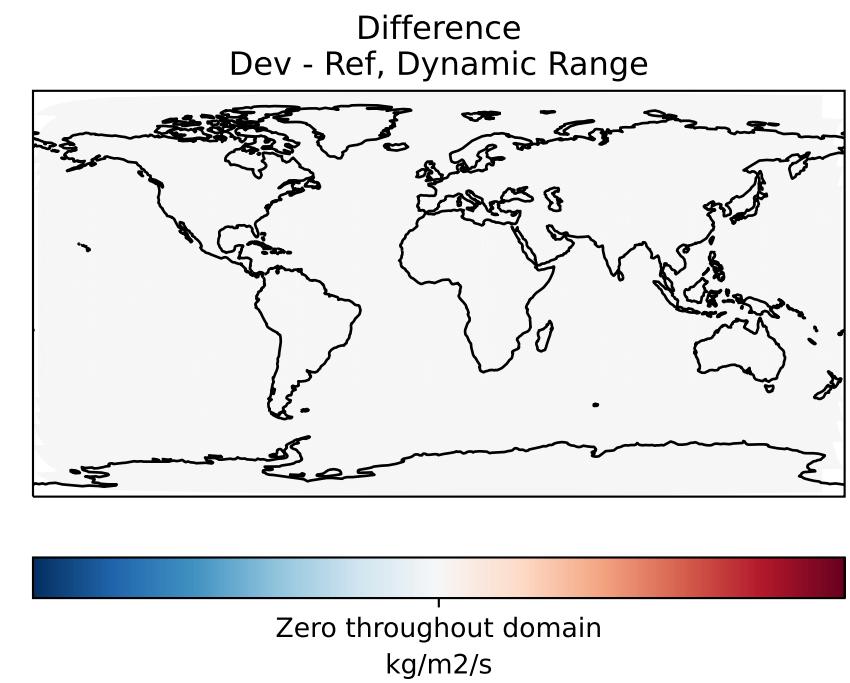
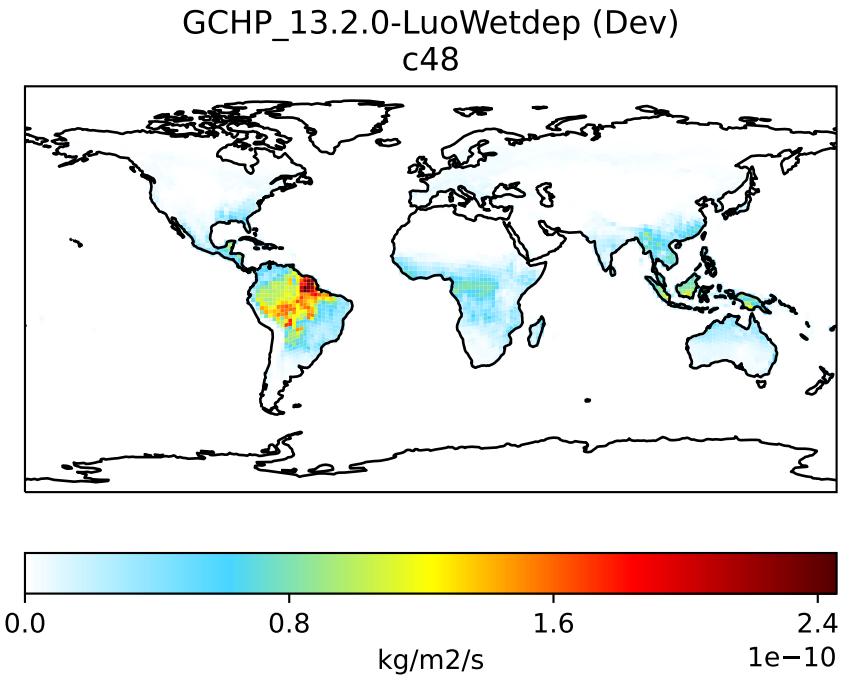
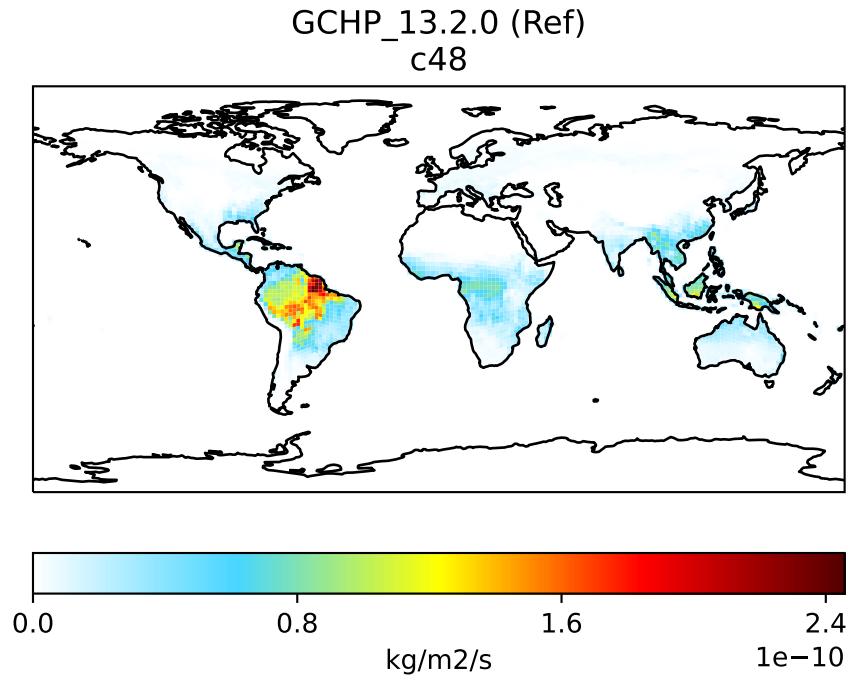
# EmisMEK\_Total (Oct2019)



# EmisMOH\_Total (Oct2019)

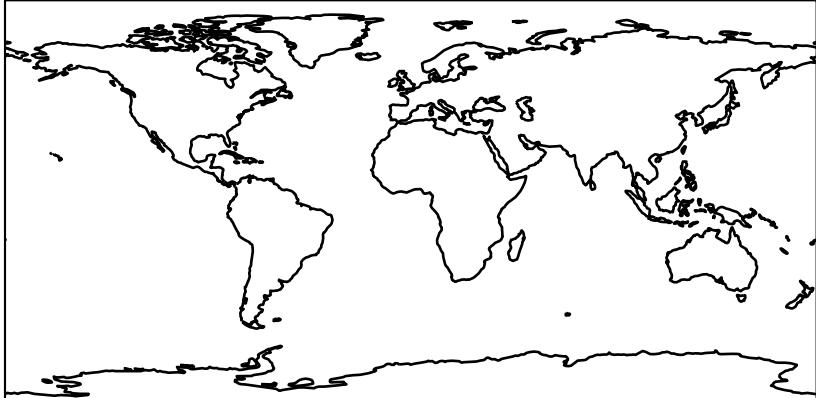


# EmisMTPA\_Total (Oct2019)

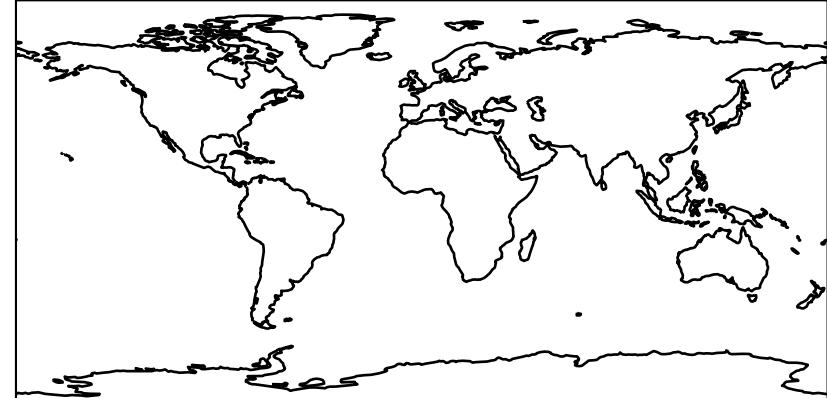


# EmisNAP\_Total (Oct2019)

GCHP\_13.2.0 (Ref)  
c48



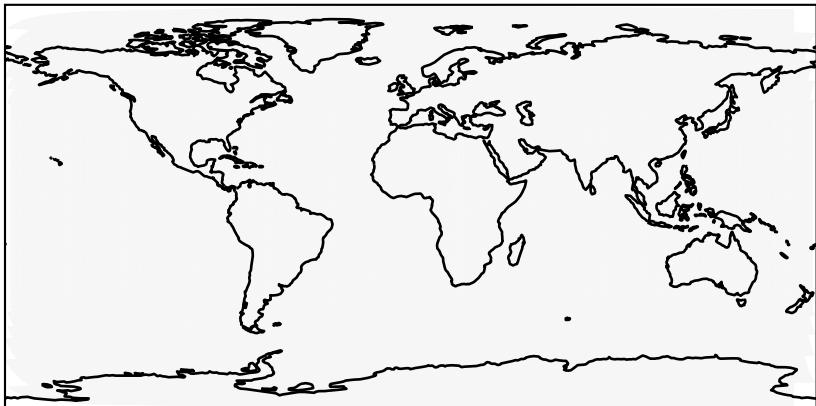
GCHP\_13.2.0-LuoWetdep (Dev)  
c48



Zero throughout domain  
kg/m<sup>2</sup>/s

Zero throughout domain  
kg/m<sup>2</sup>/s

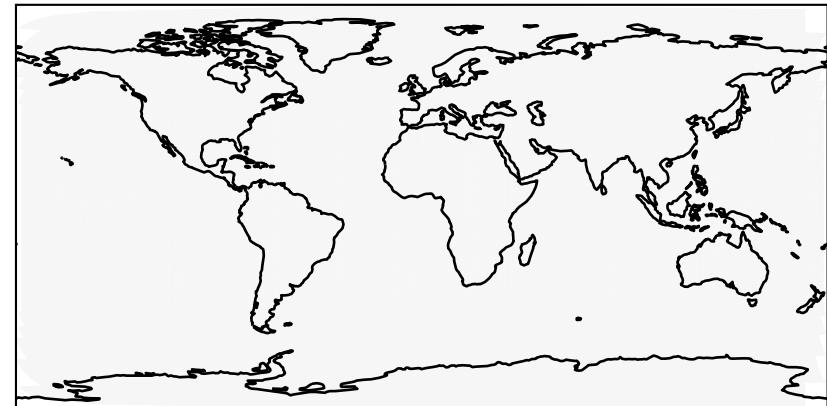
Difference  
Dev - Ref, Dynamic Range



Zero throughout domain  
kg/m<sup>2</sup>/s

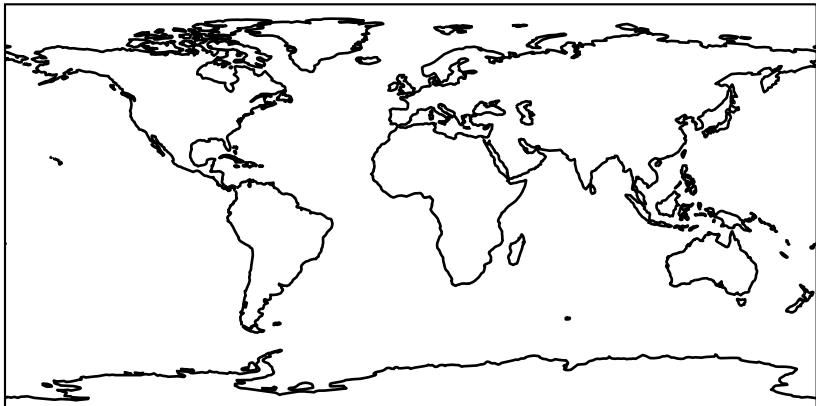
Zero throughout domain  
kg/m<sup>2</sup>/s

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



Zero throughout domain  
kg/m<sup>2</sup>/s

Ratio  
Dev/Ref, Dynamic Range



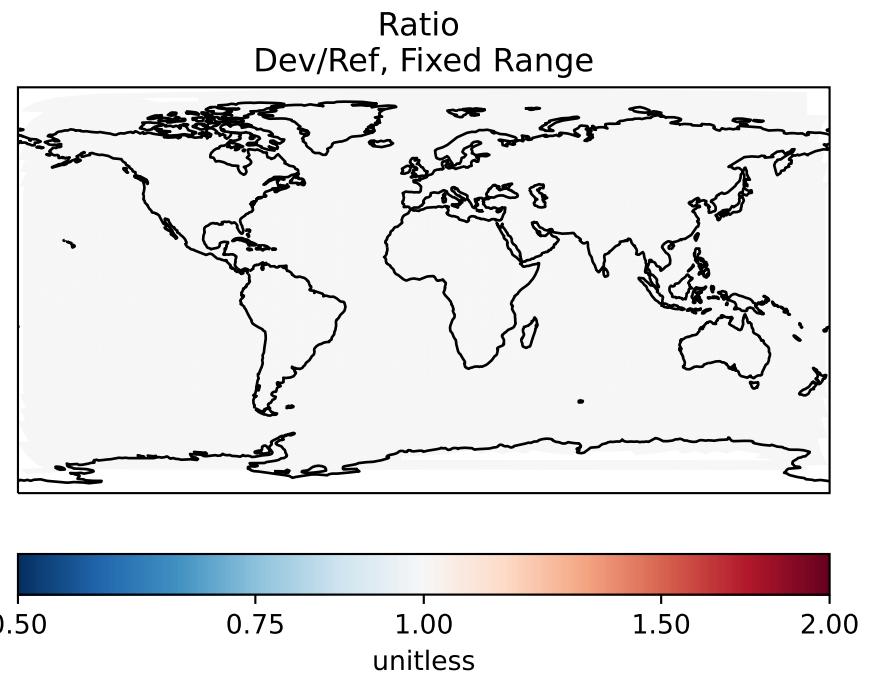
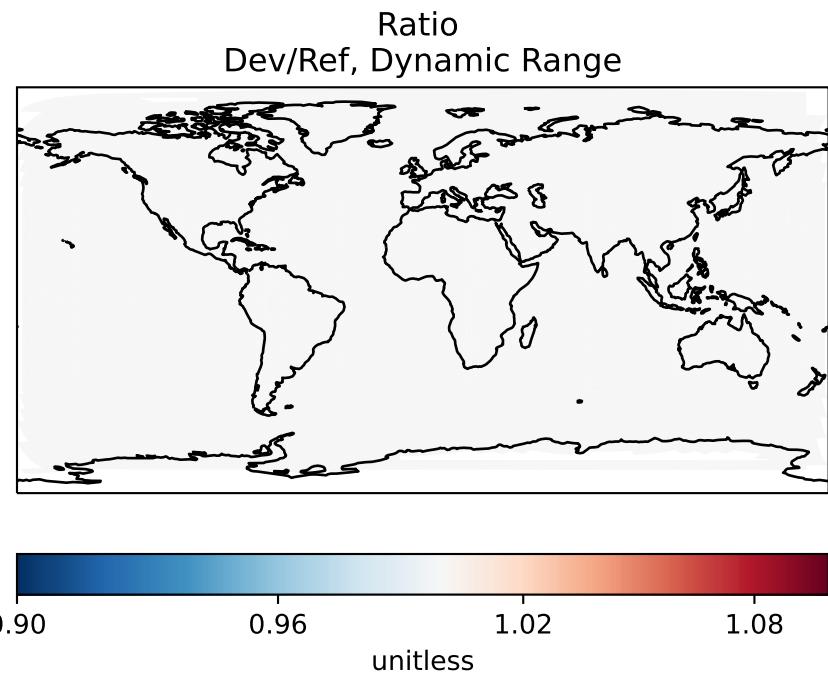
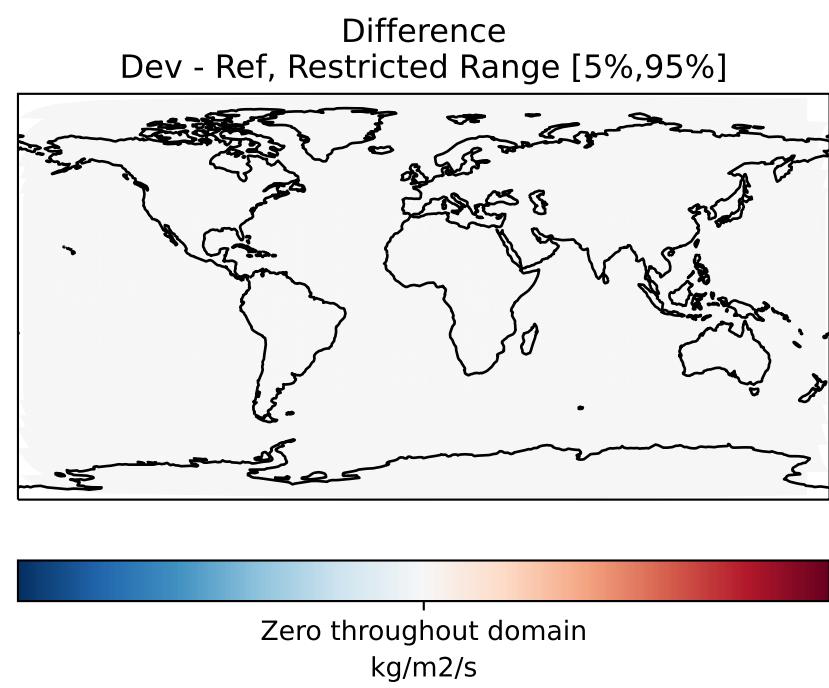
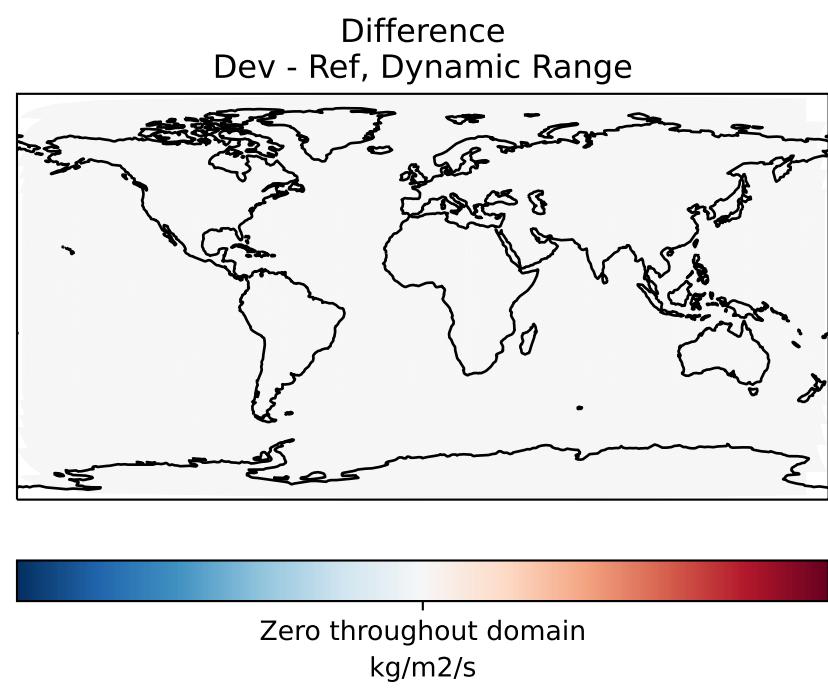
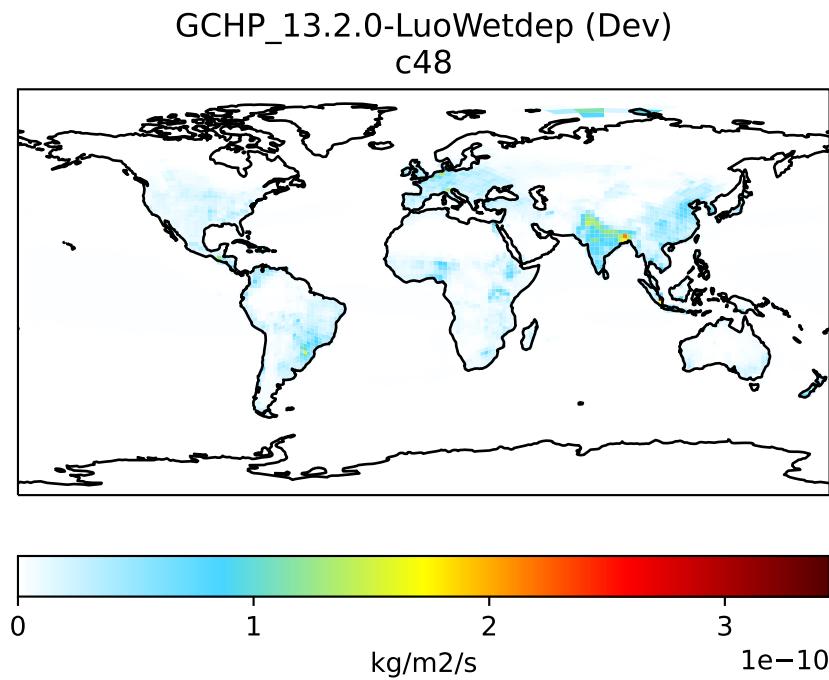
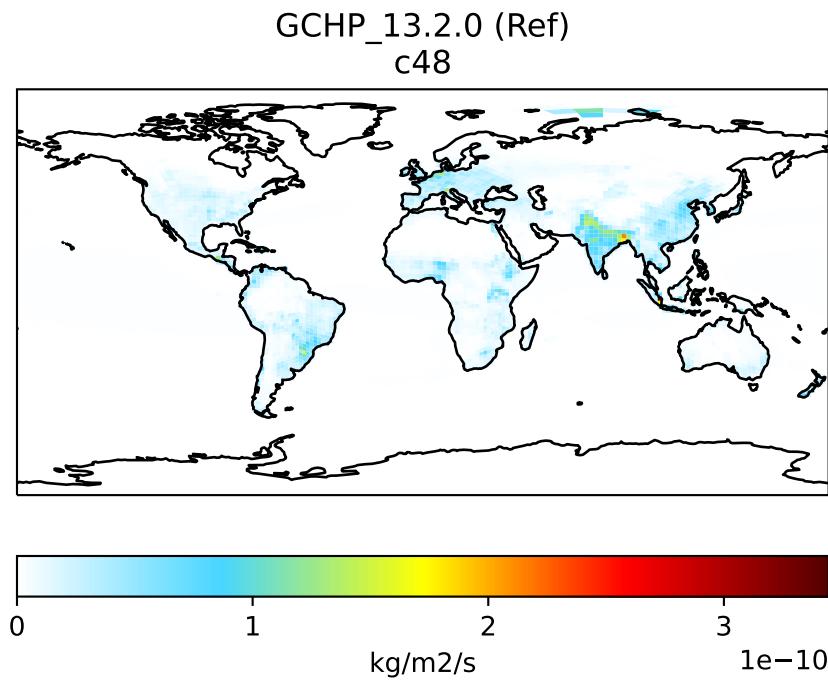
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Ratio  
Dev/Ref, Fixed Range

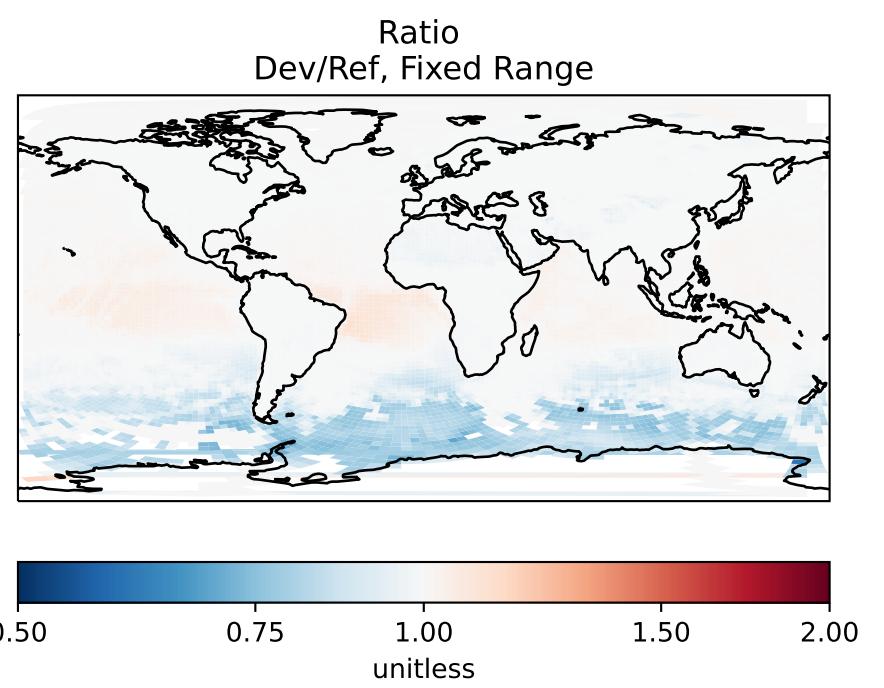
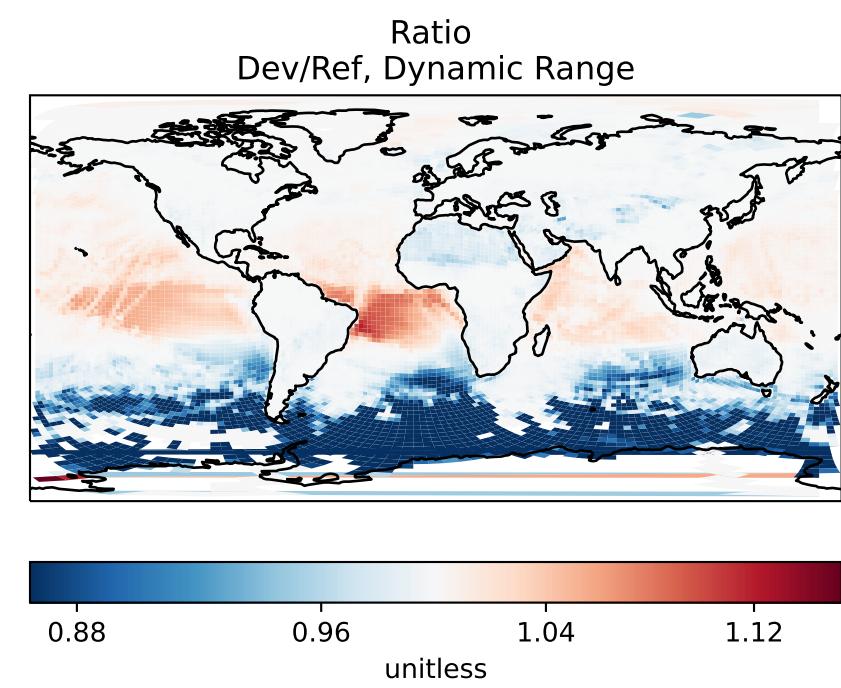
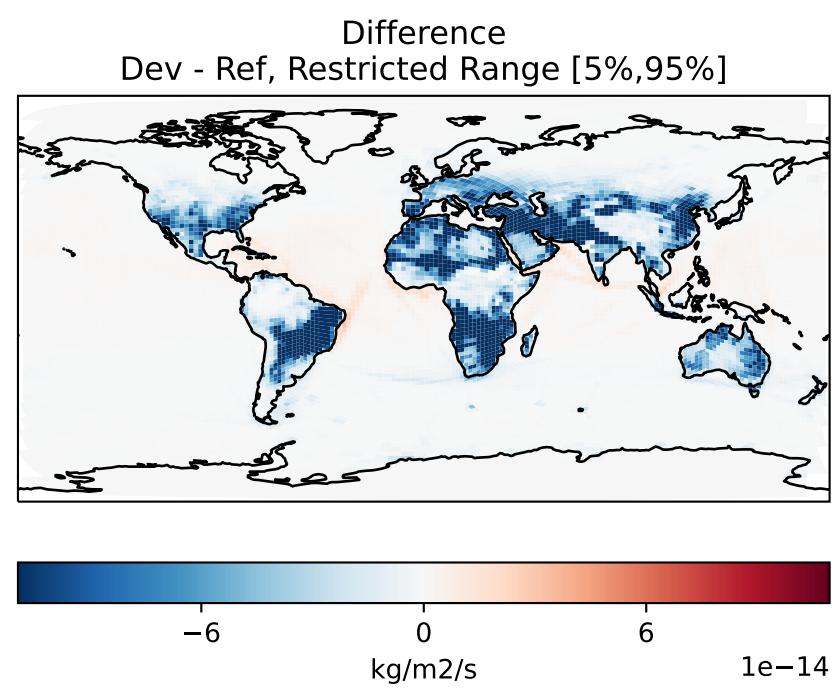
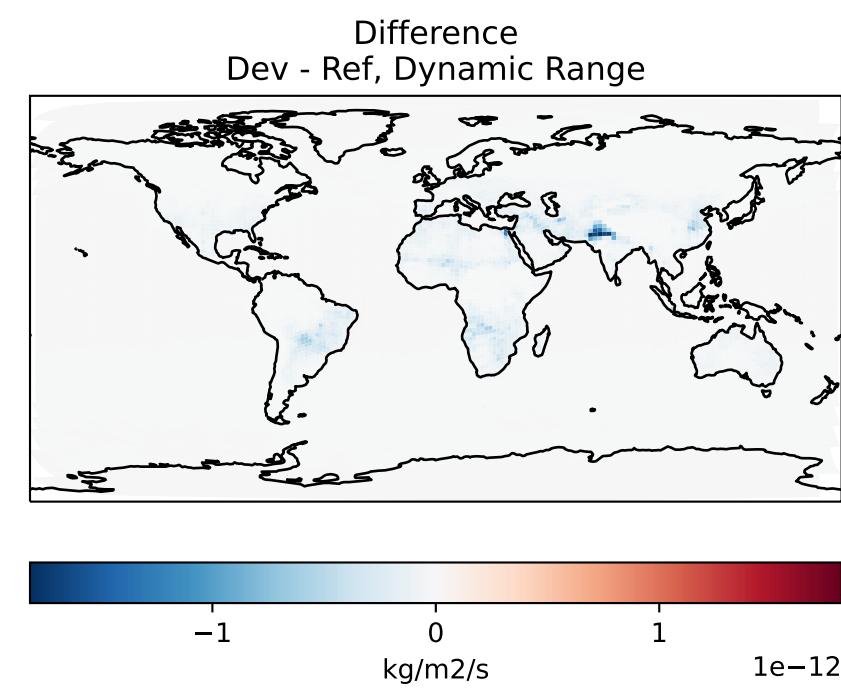
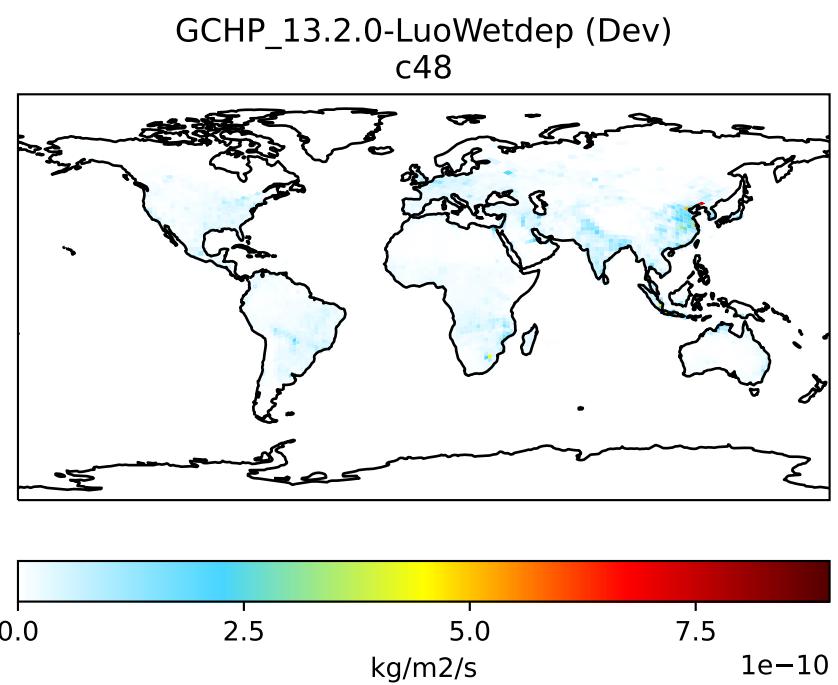
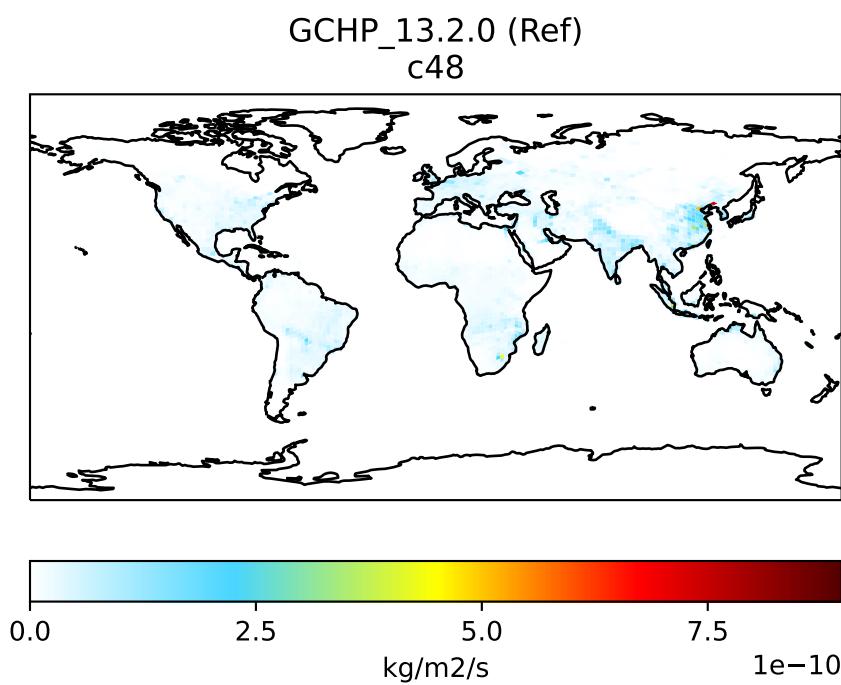


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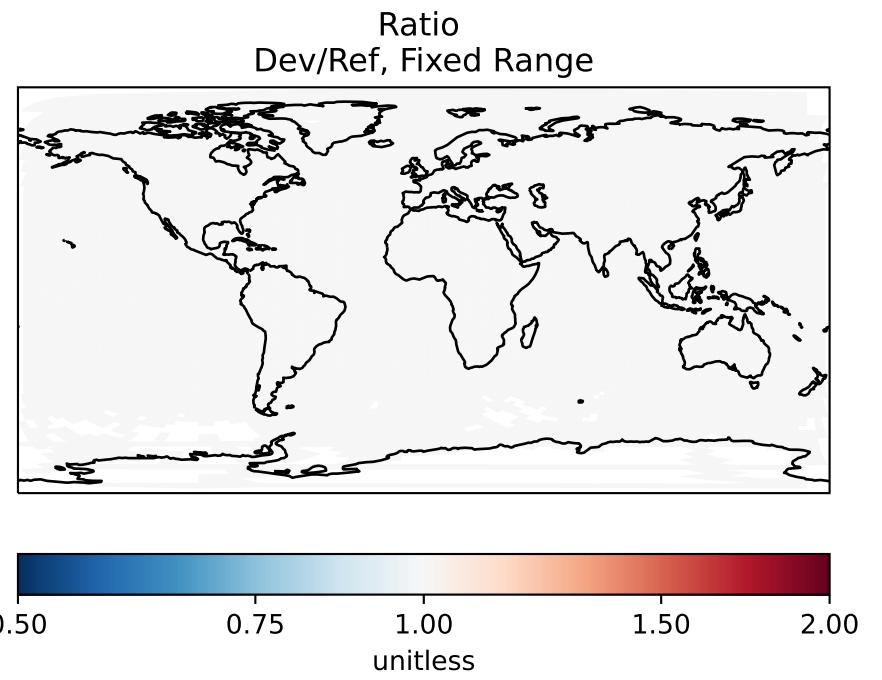
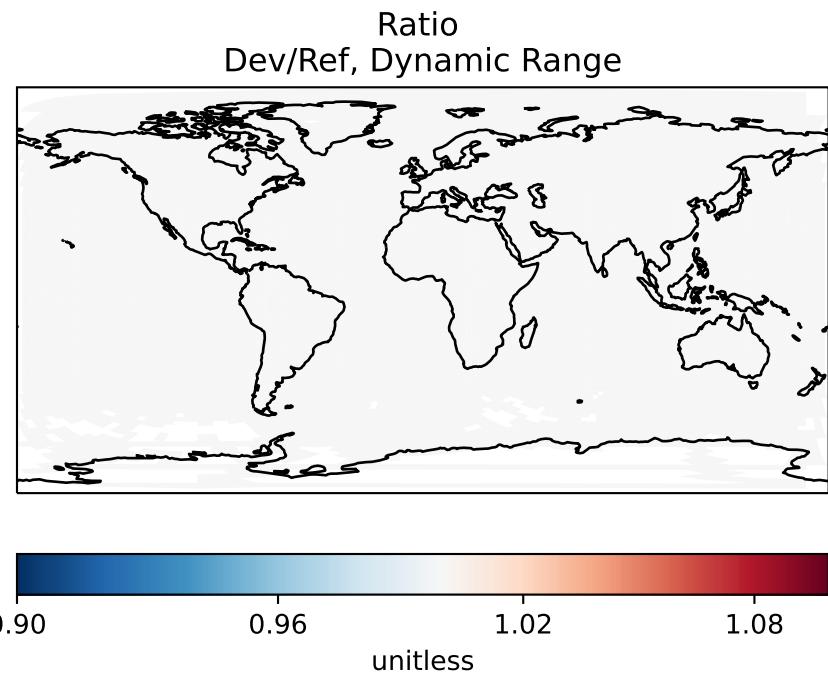
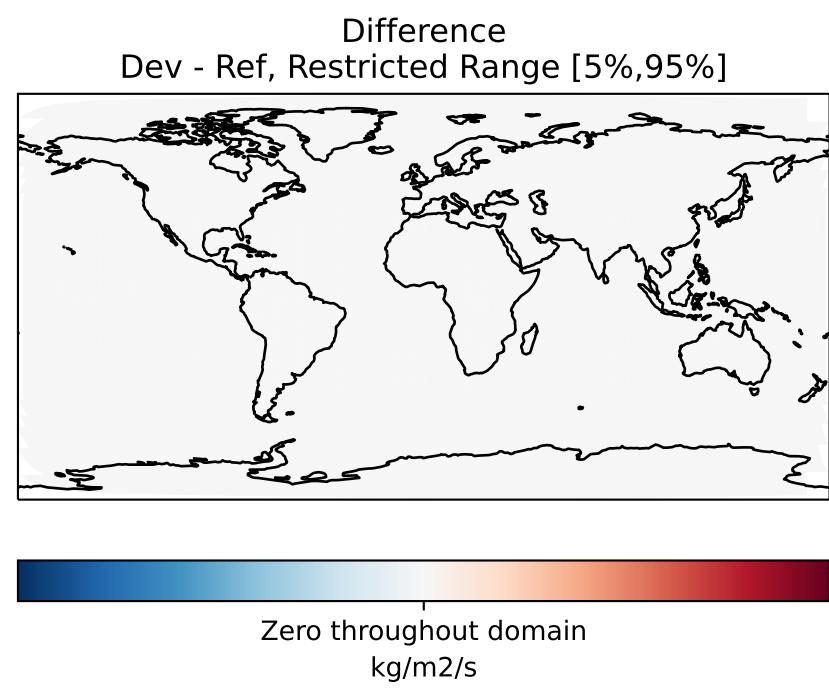
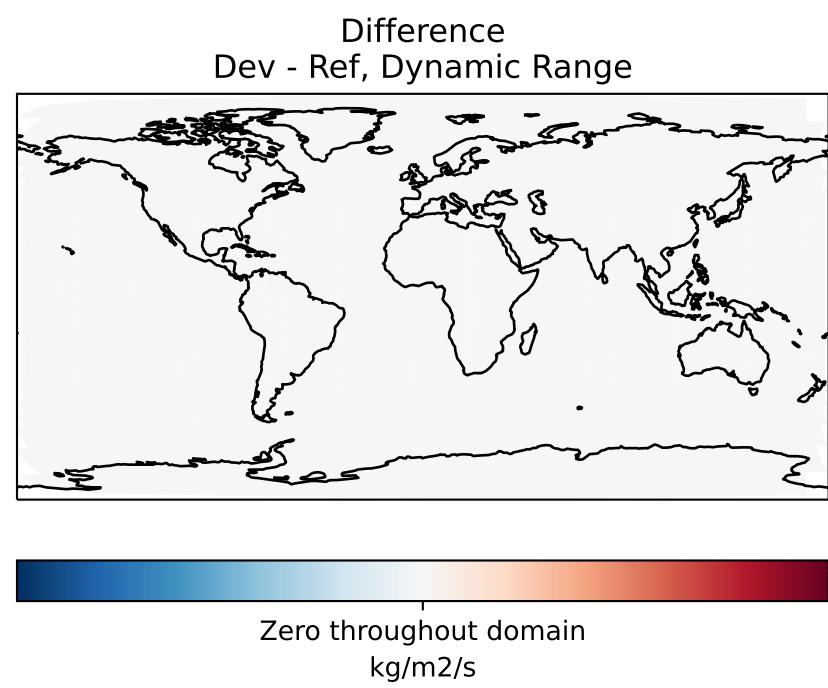
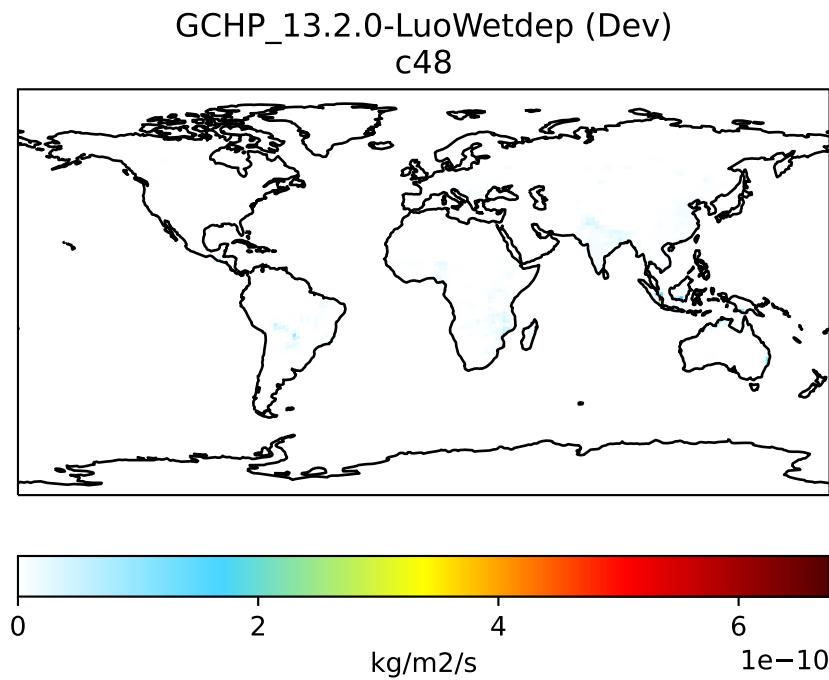
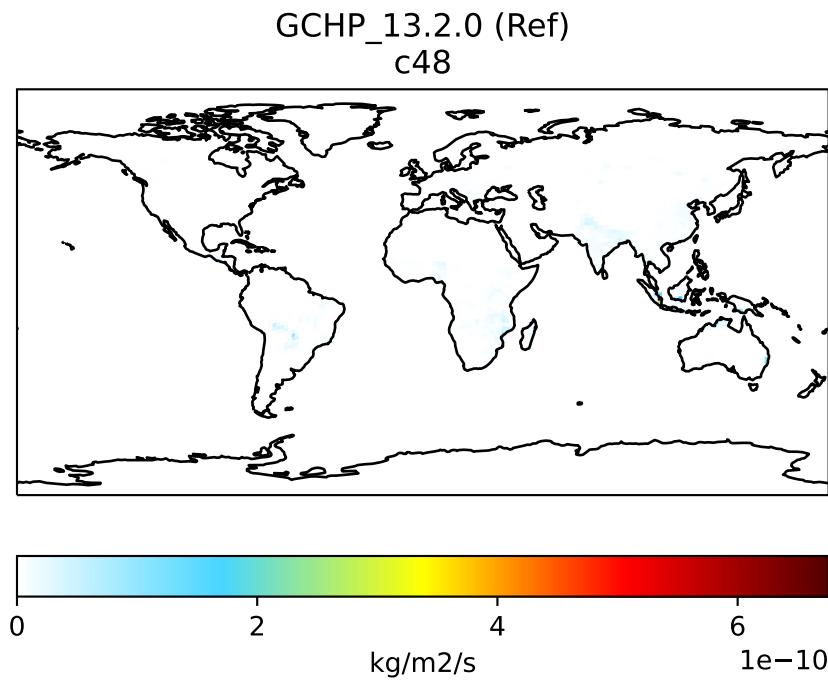
# EmisNH3\_Total (Oct2019)



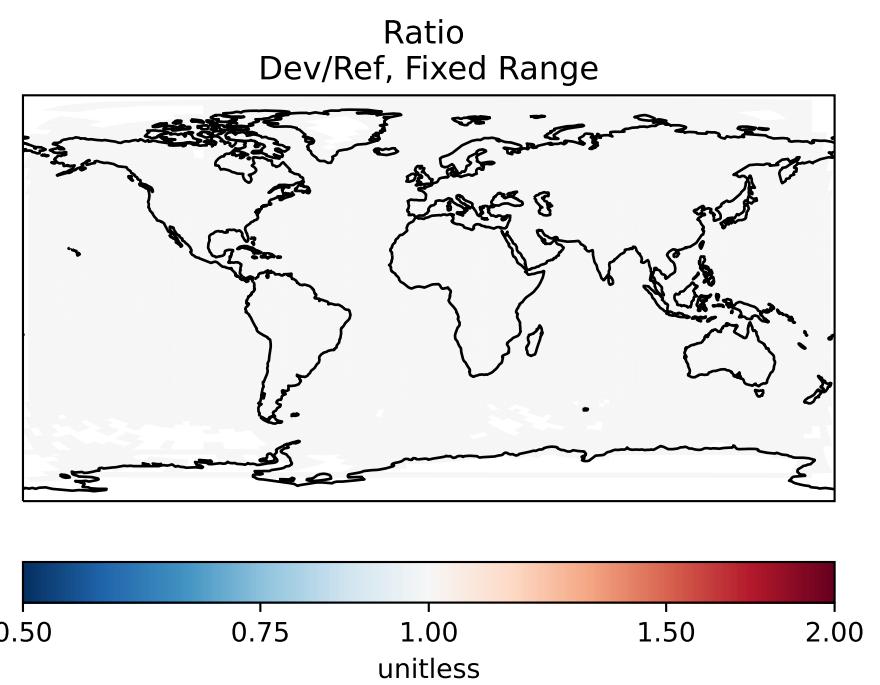
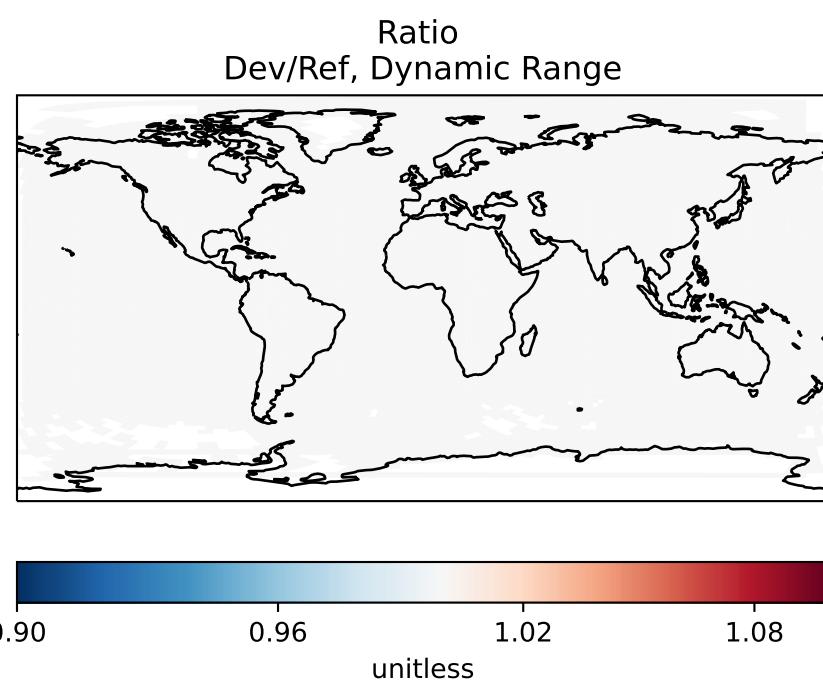
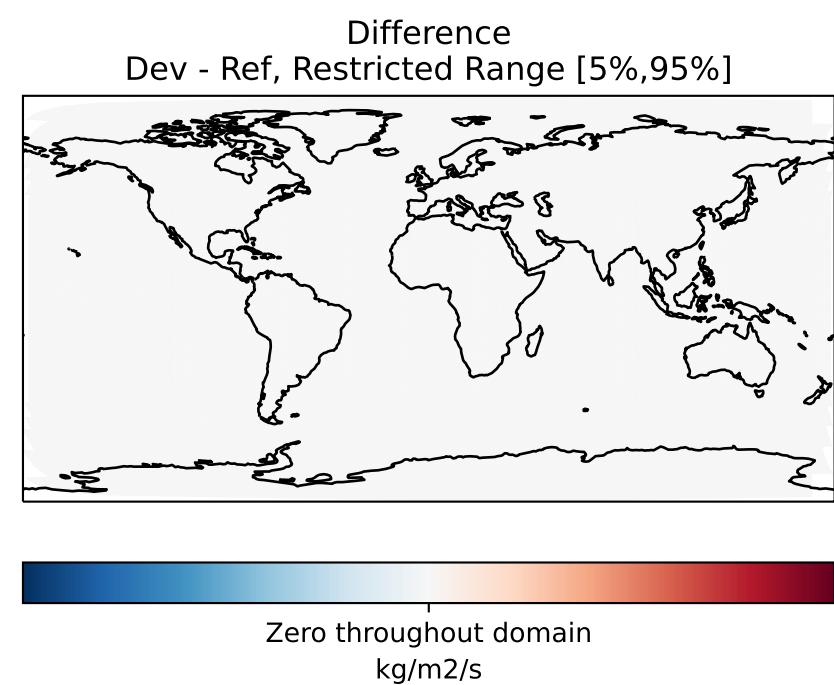
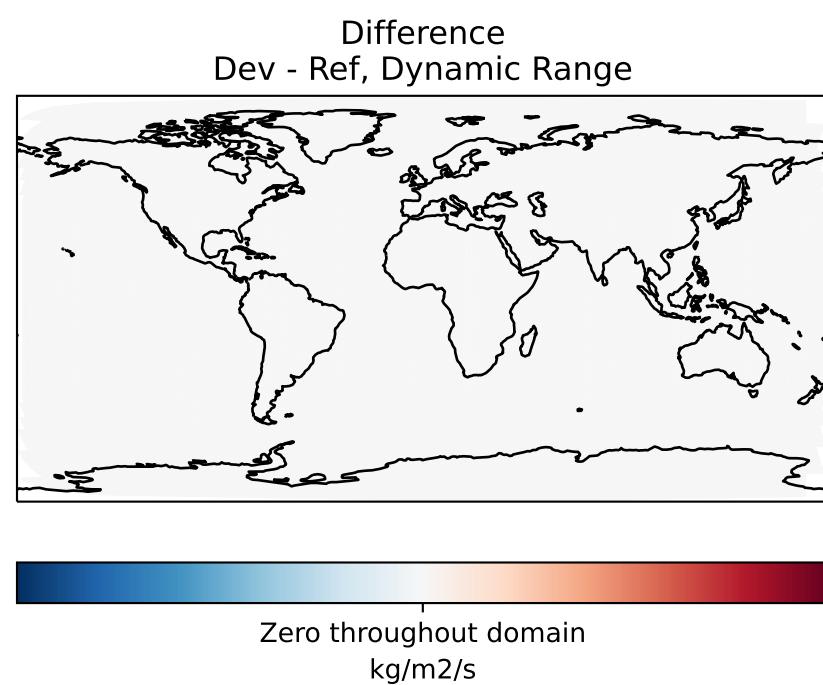
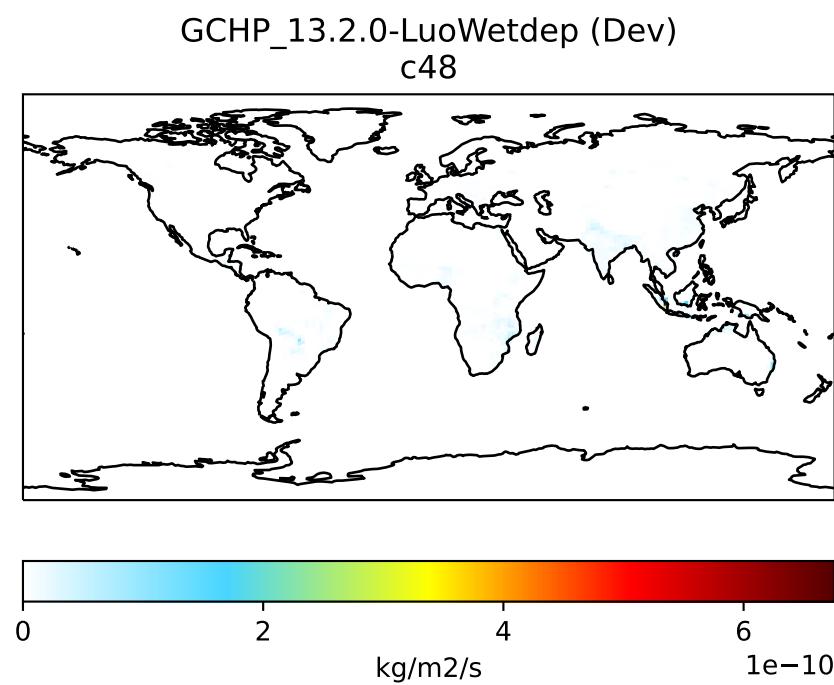
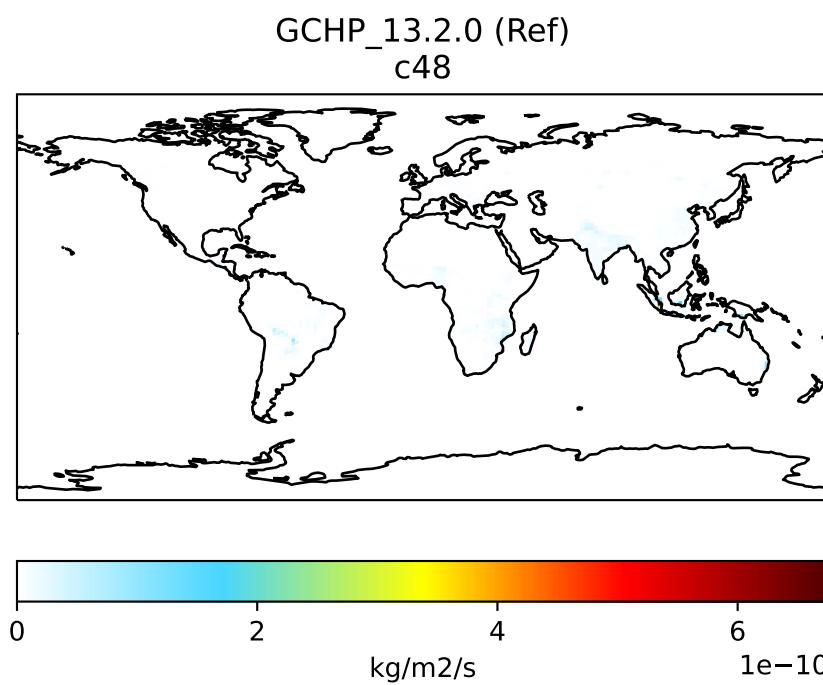
# EmisNO\_Total (Oct2019)



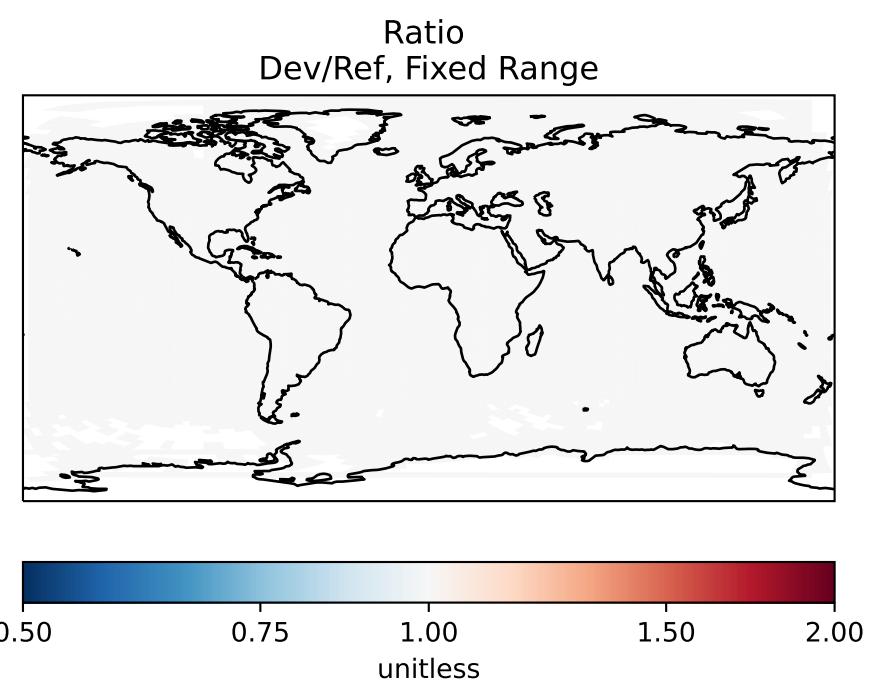
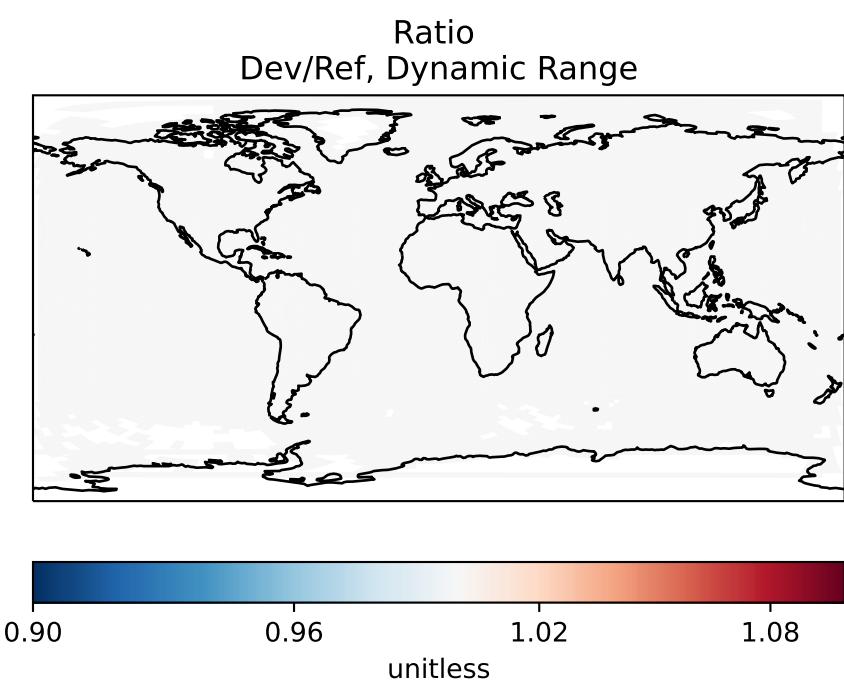
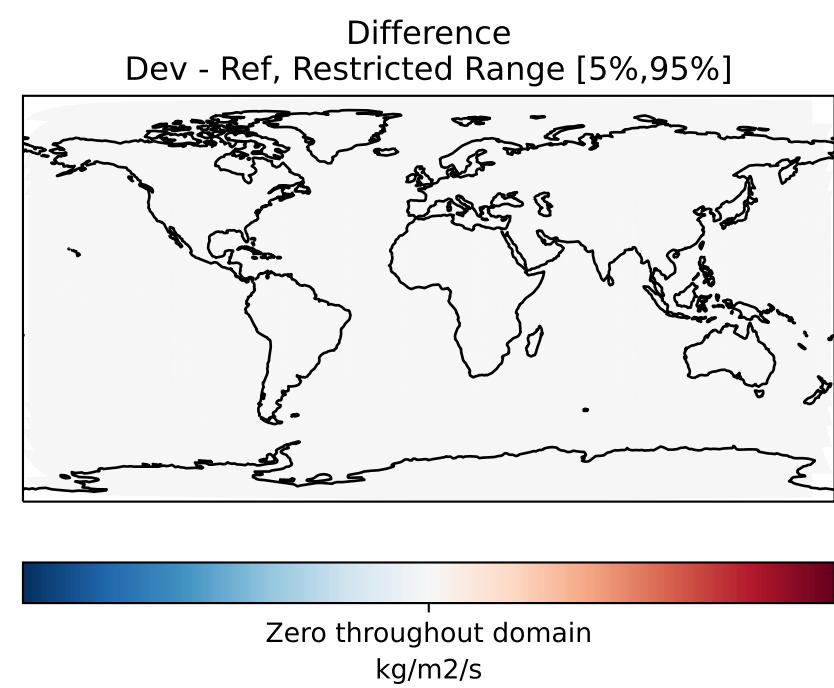
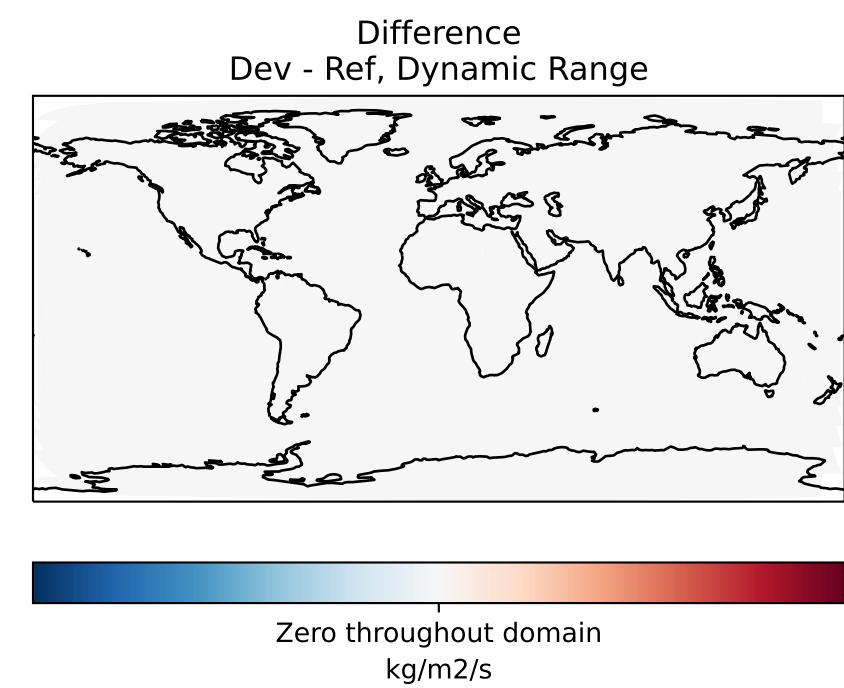
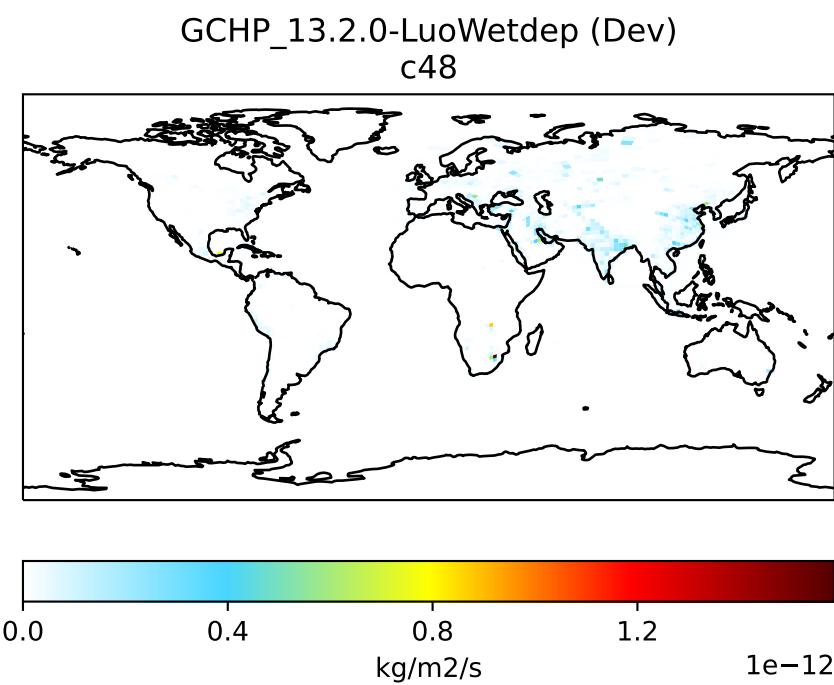
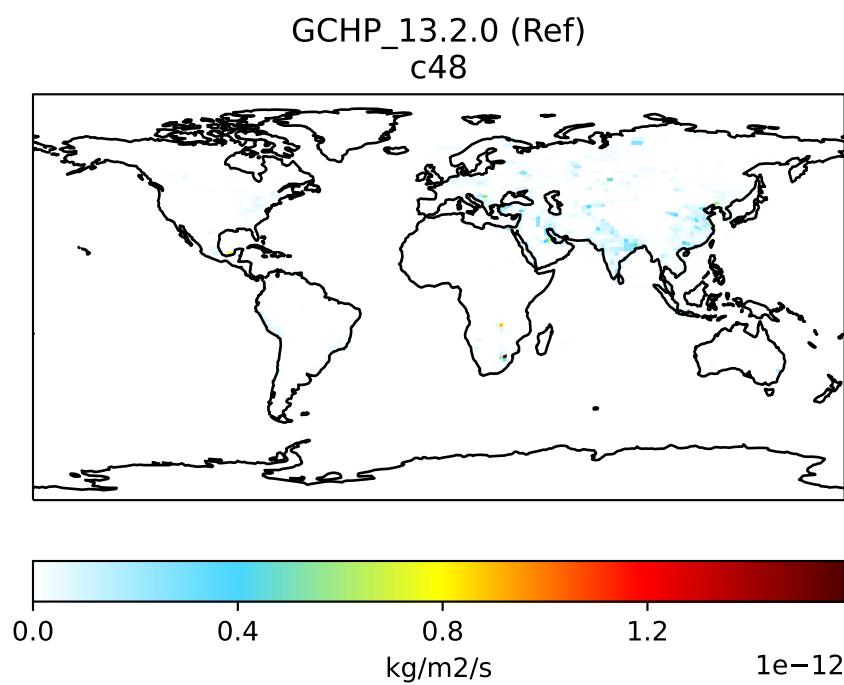
# EmisOCPI\_Total (Oct2019)



# EmisOCPO\_Total (Oct2019)

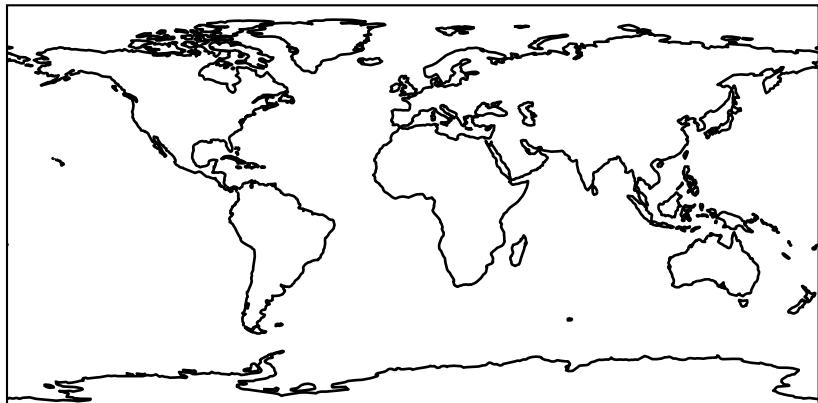


# EmispFe\_Total (Oct2019)



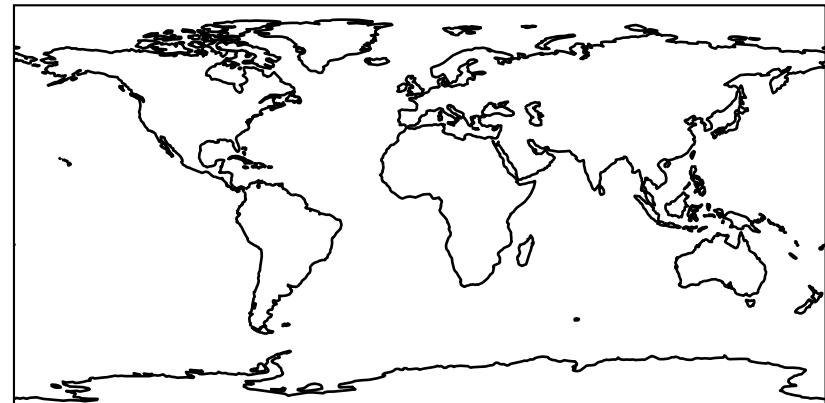
# EmisPOG1\_Total (Oct2019)

GCHP\_13.2.0 (Ref)  
c48



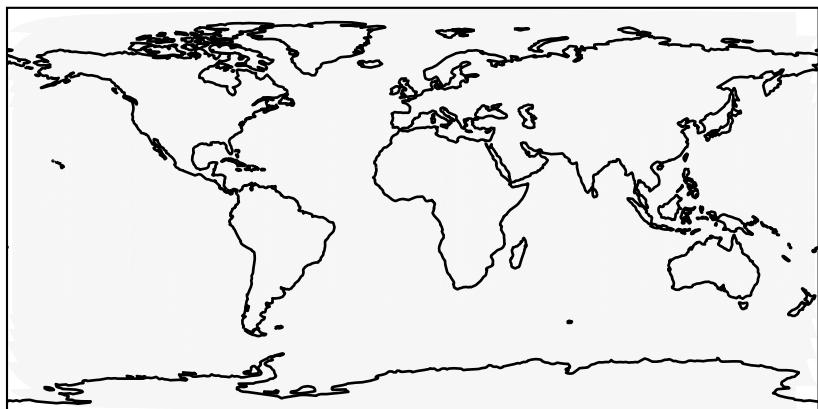
Zero throughout domain  
kg/m<sup>2</sup>/s

GCHP\_13.2.0-LuoWetdep (Dev)  
c48



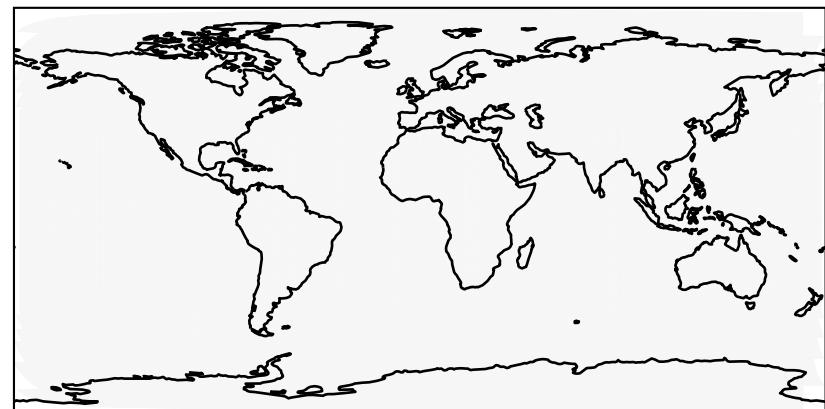
Zero throughout domain  
kg/m<sup>2</sup>/s

Difference  
Dev - Ref, Dynamic Range



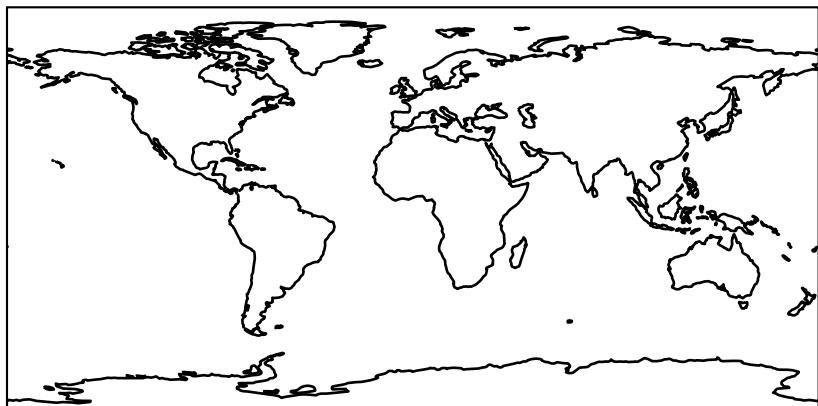
Zero throughout domain  
kg/m<sup>2</sup>/s

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



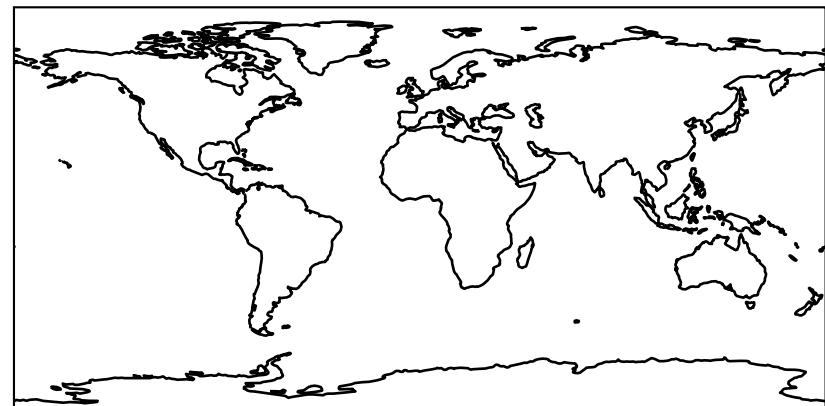
Zero throughout domain  
kg/m<sup>2</sup>/s

Ratio  
Dev/Ref, Dynamic Range



Undefined throughout domain  
unitless

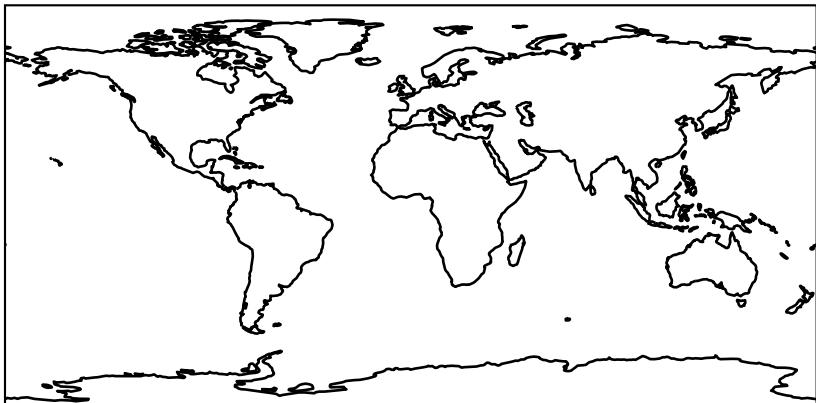
Ratio  
Dev/Ref, Fixed Range



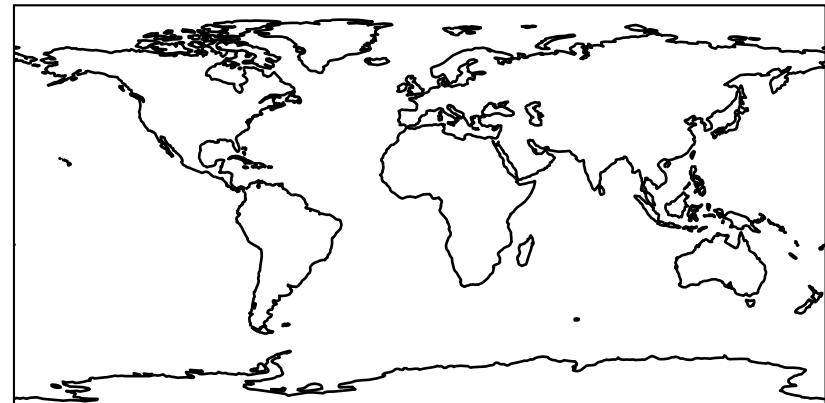
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# EmisPOG2\_Total (Oct2019)

GCHP\_13.2.0 (Ref)  
c48



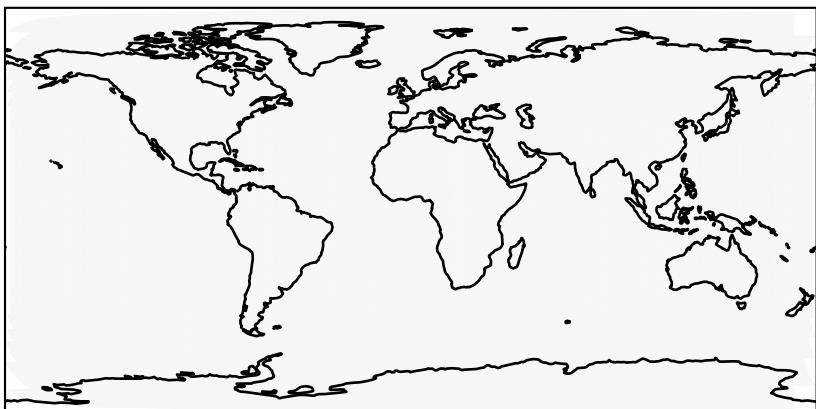
GCHP\_13.2.0-LuoWetdep (Dev)  
c48



Zero throughout domain  
kg/m<sup>2</sup>/s

Zero throughout domain  
kg/m<sup>2</sup>/s

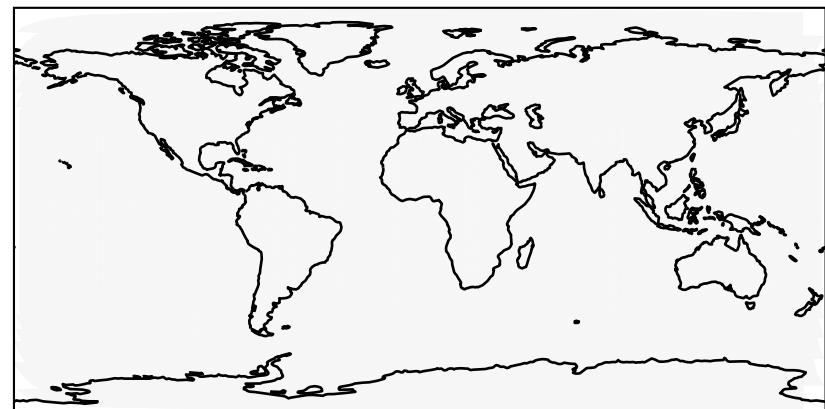
Difference  
Dev - Ref, Dynamic Range



Zero throughout domain  
kg/m<sup>2</sup>/s

Zero throughout domain  
kg/m<sup>2</sup>/s

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

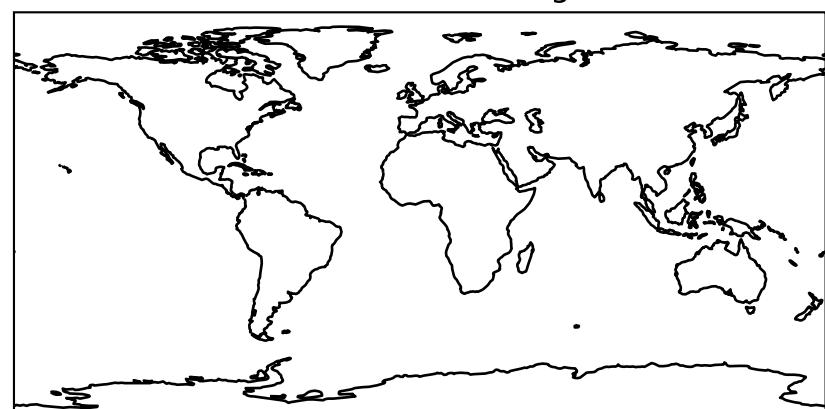


Ratio  
Dev/Ref, Dynamic Range



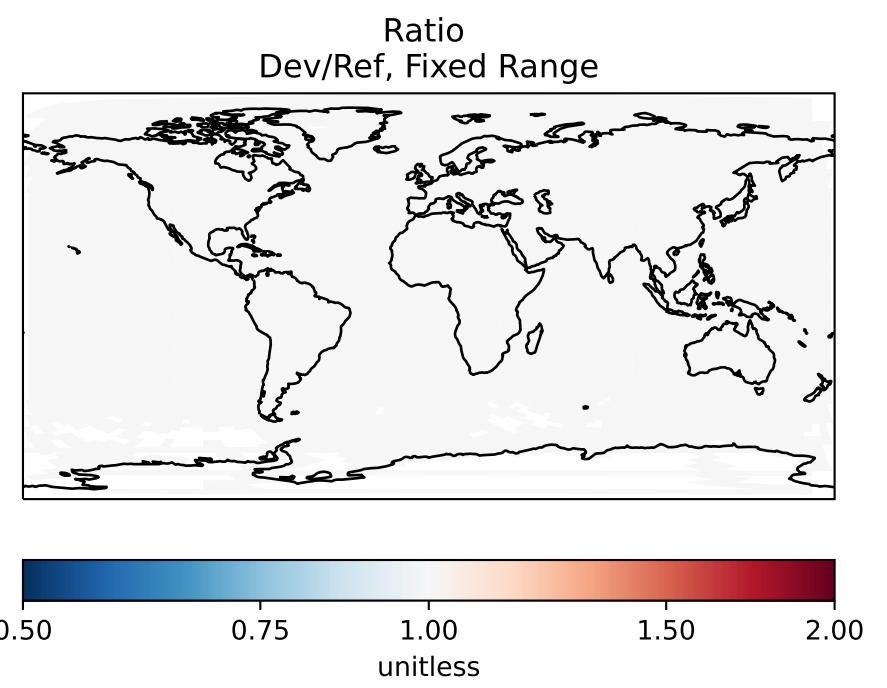
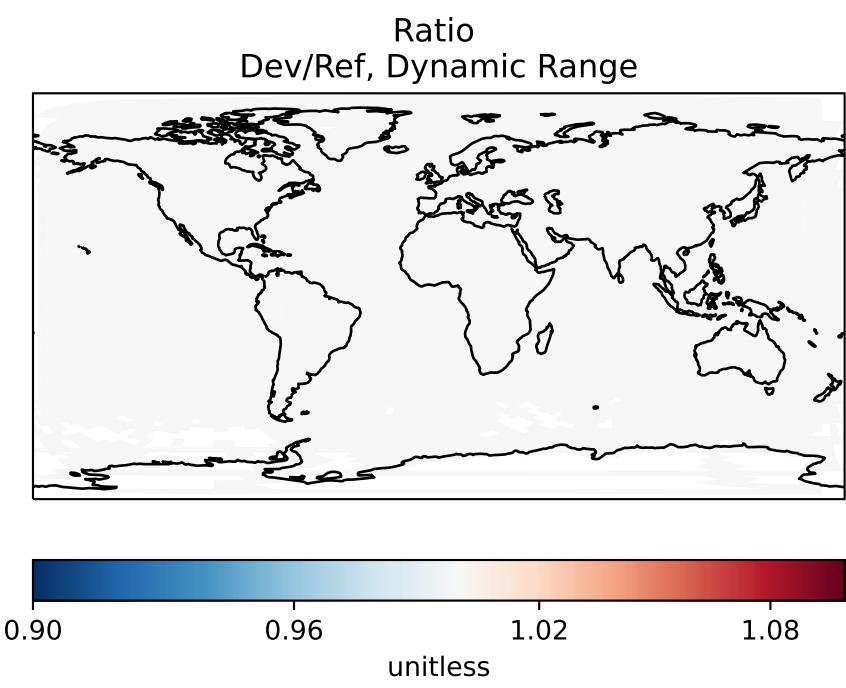
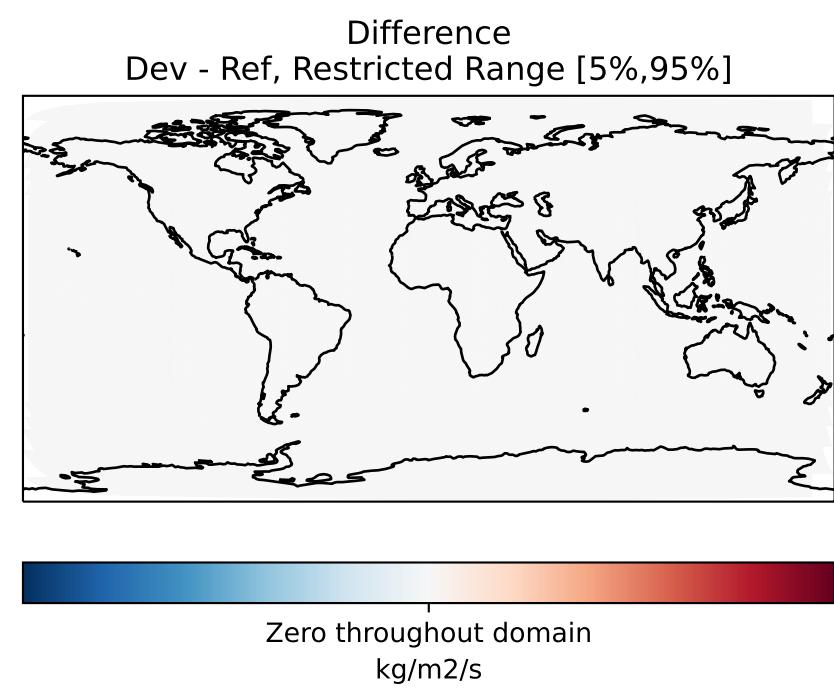
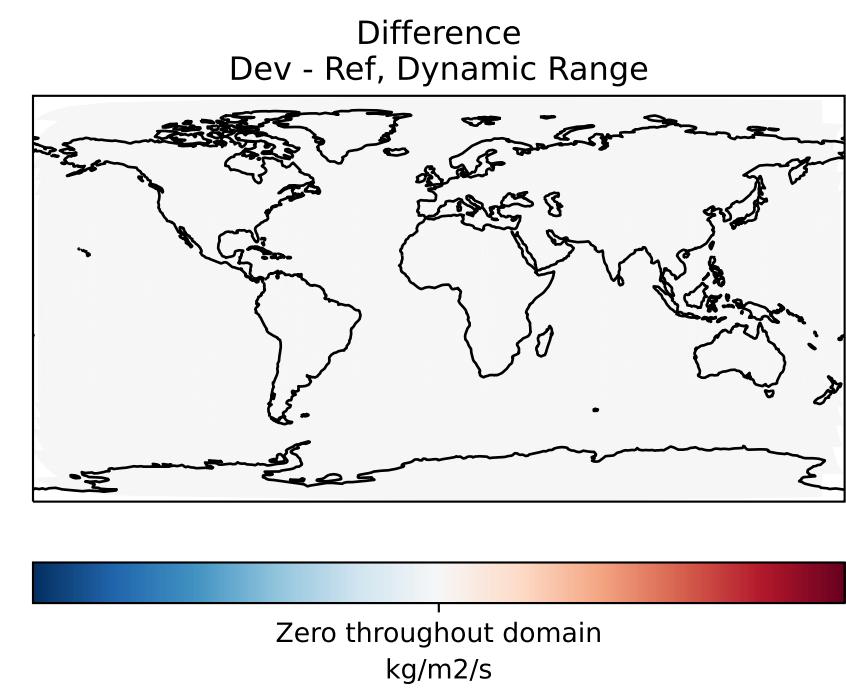
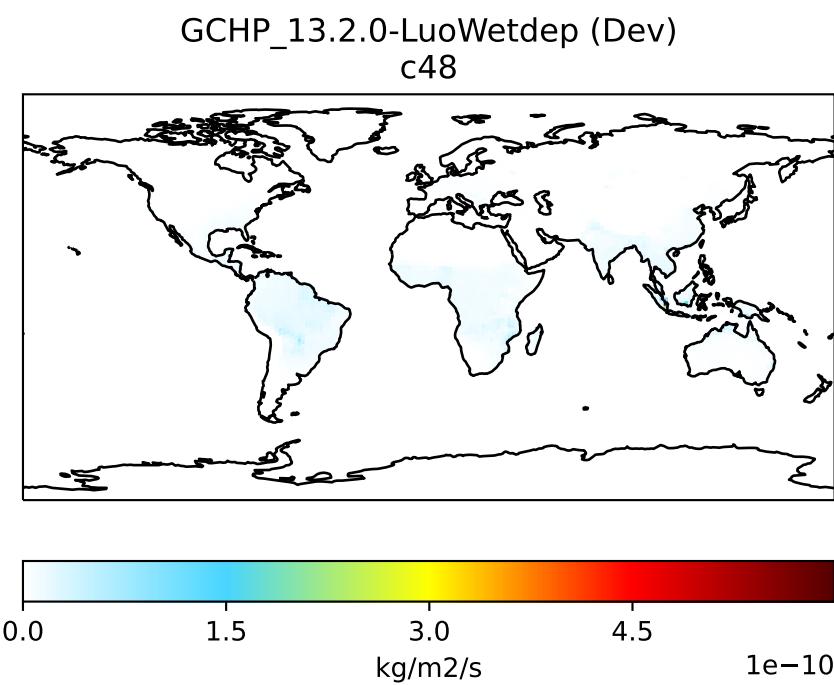
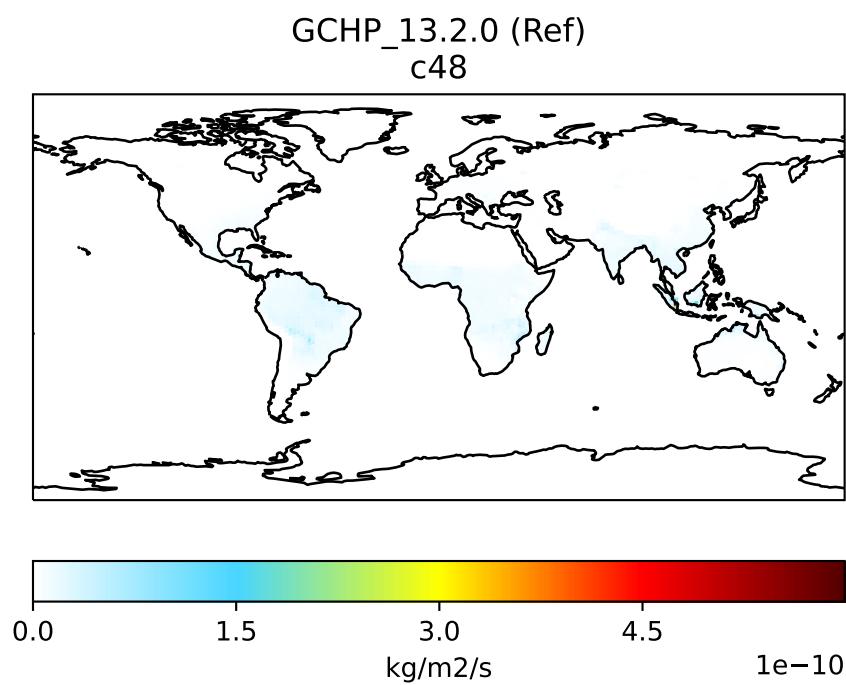
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Ratio  
Dev/Ref, Fixed Range

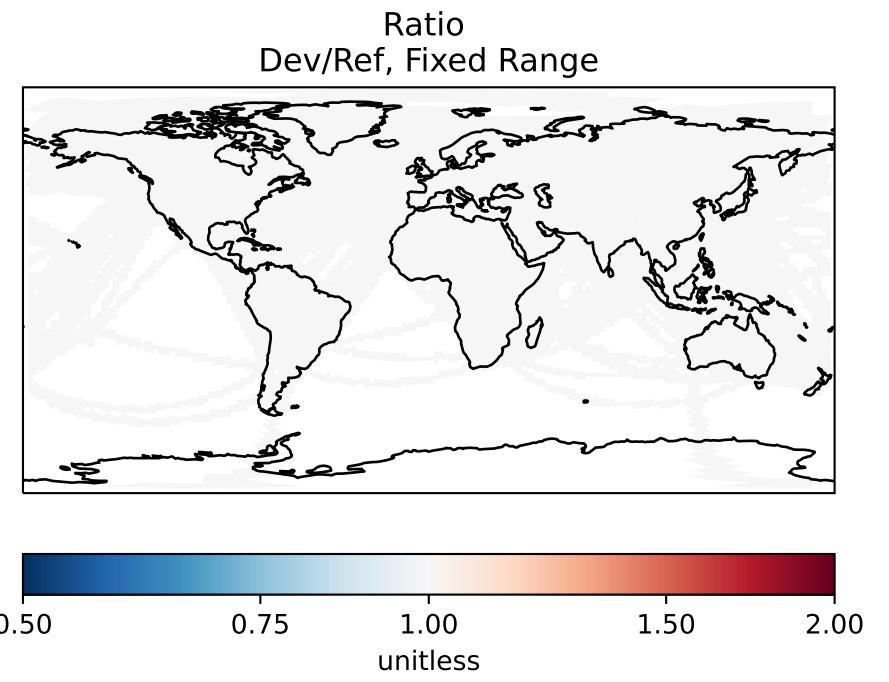
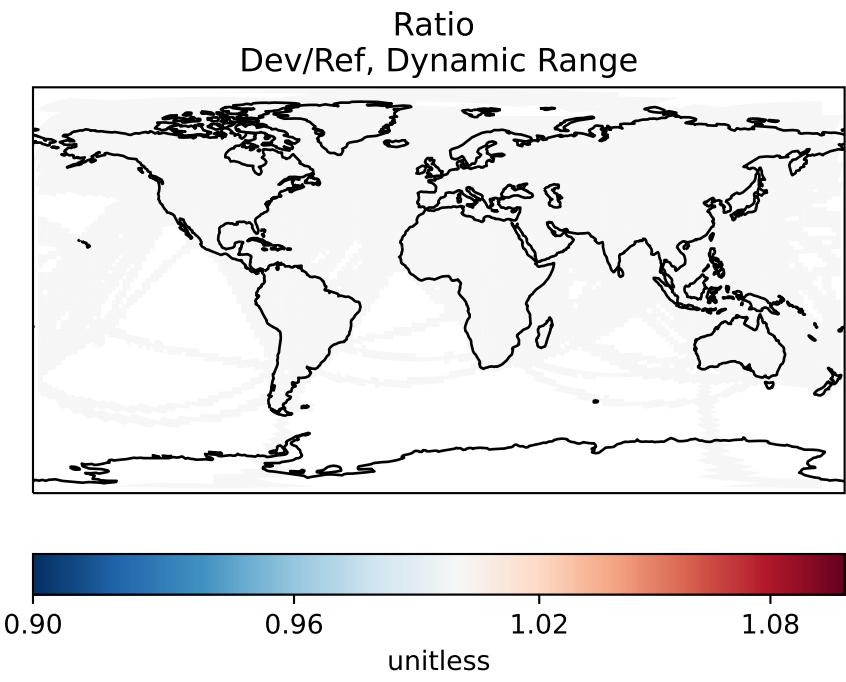
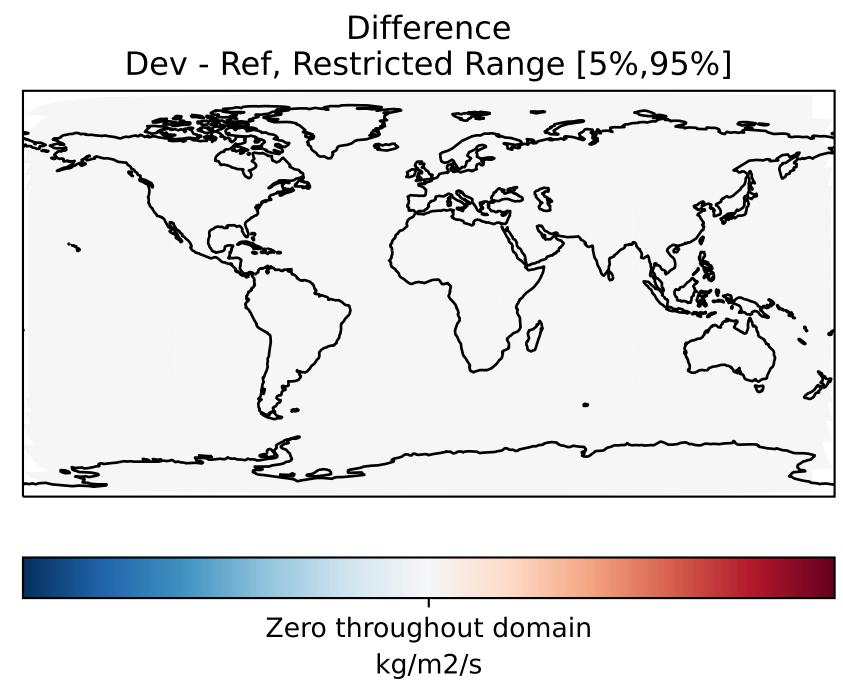
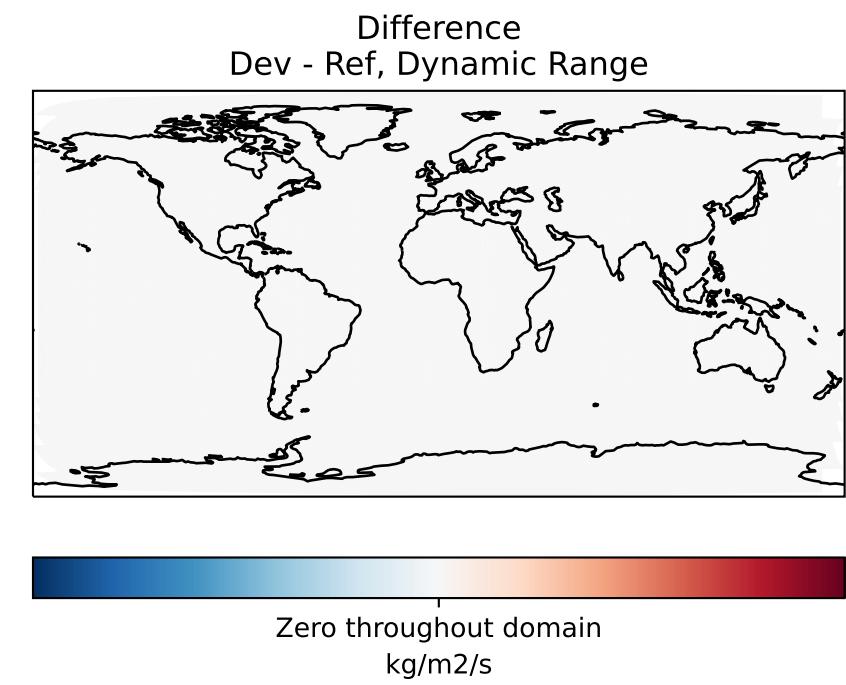
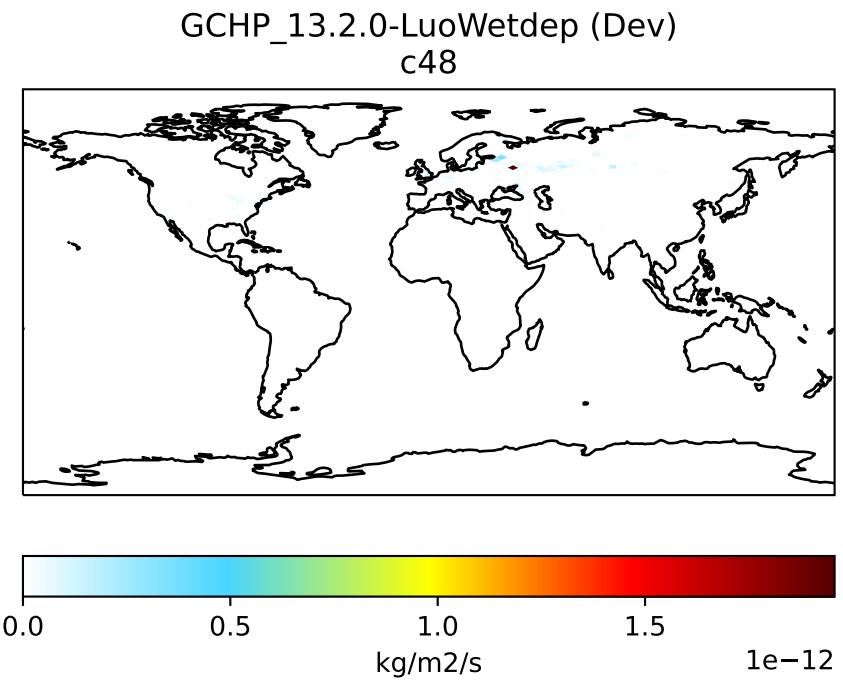
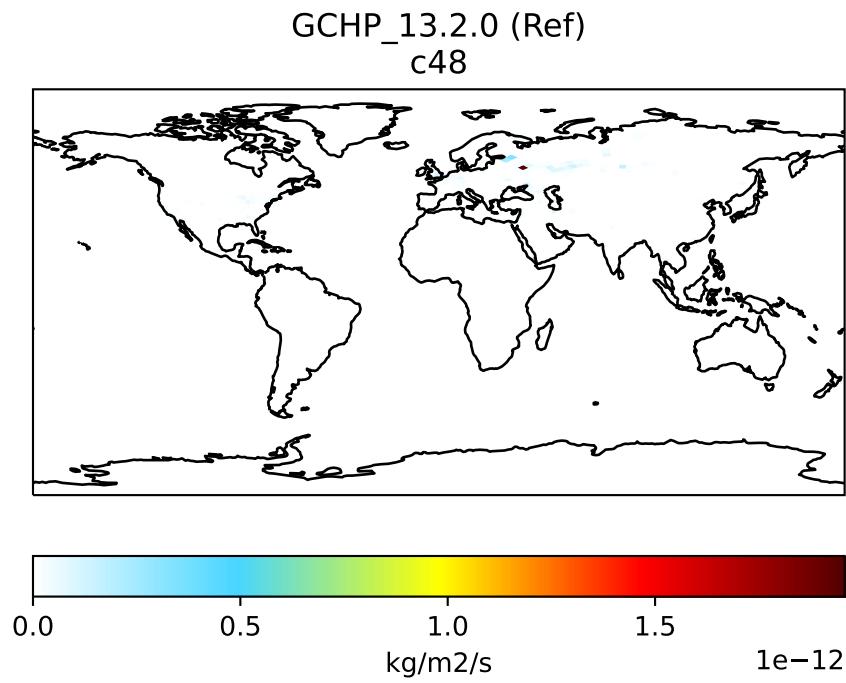


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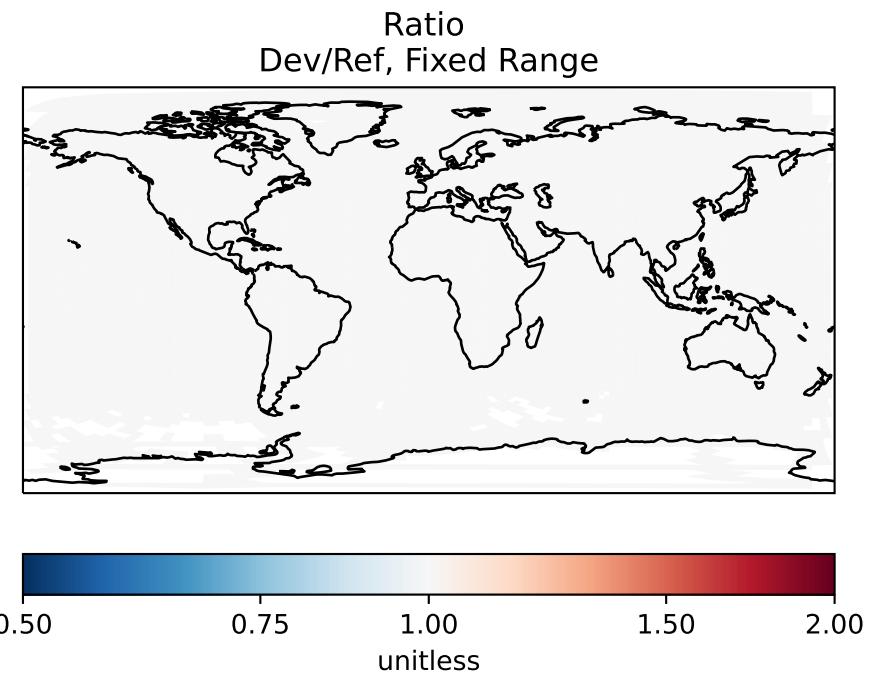
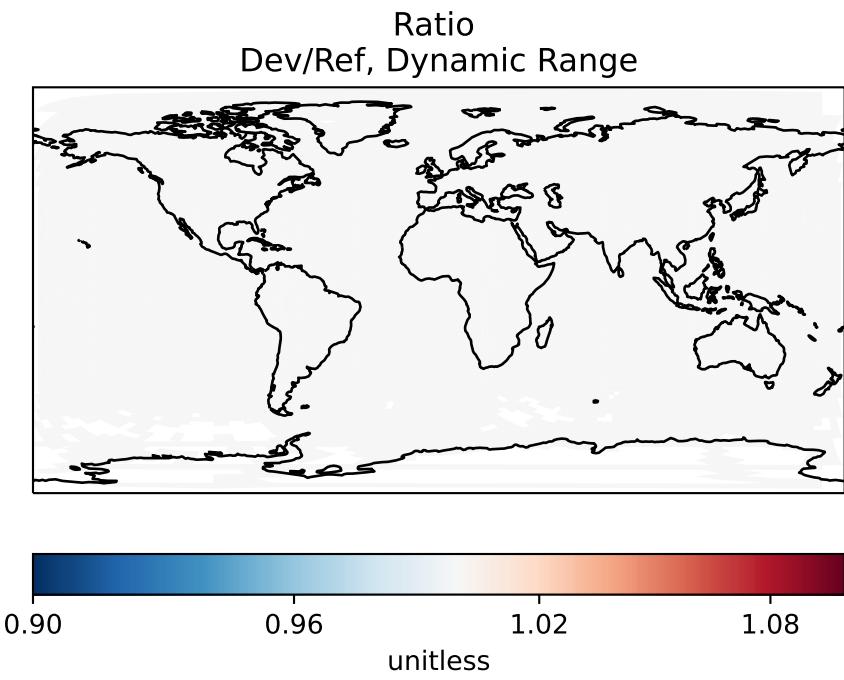
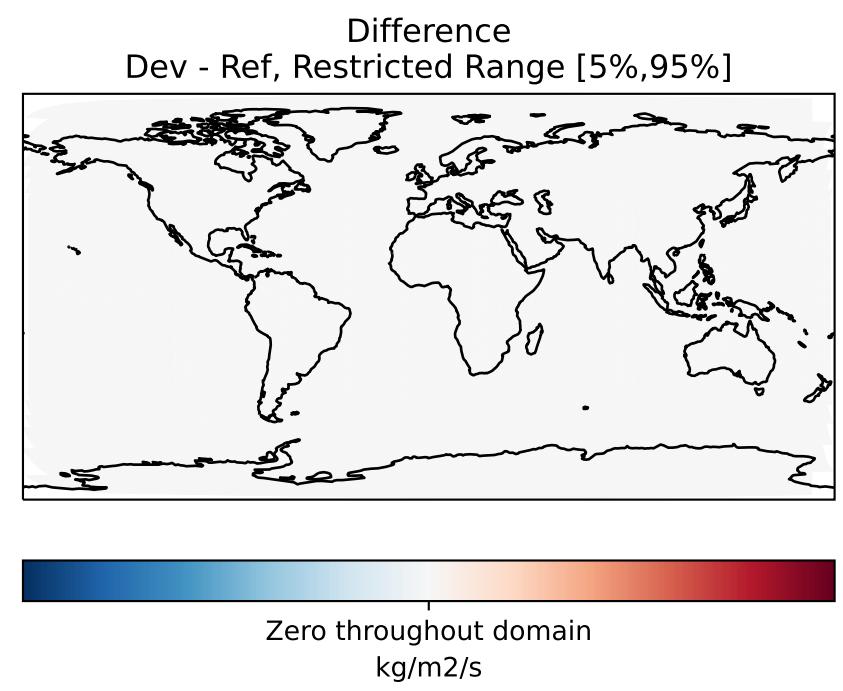
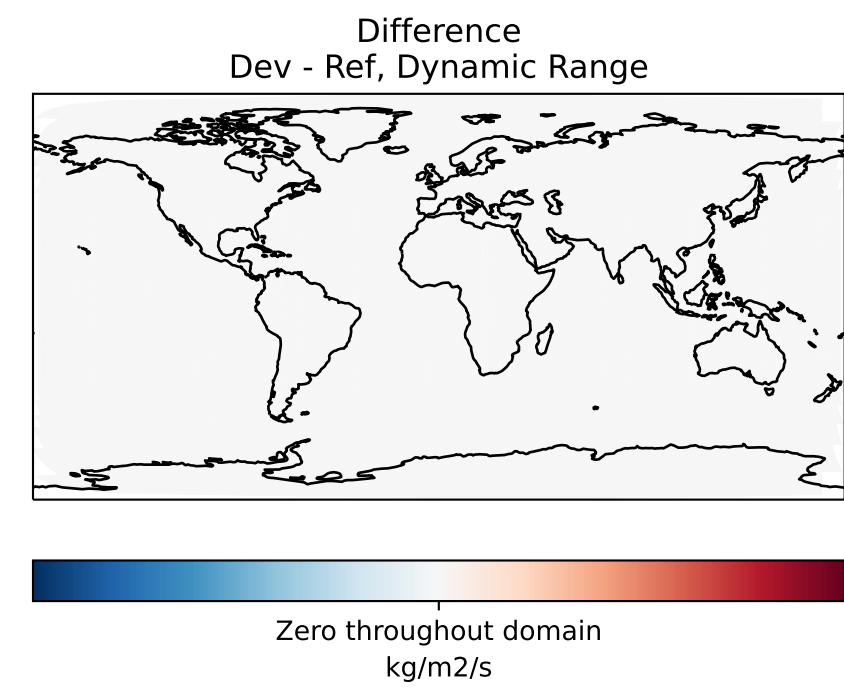
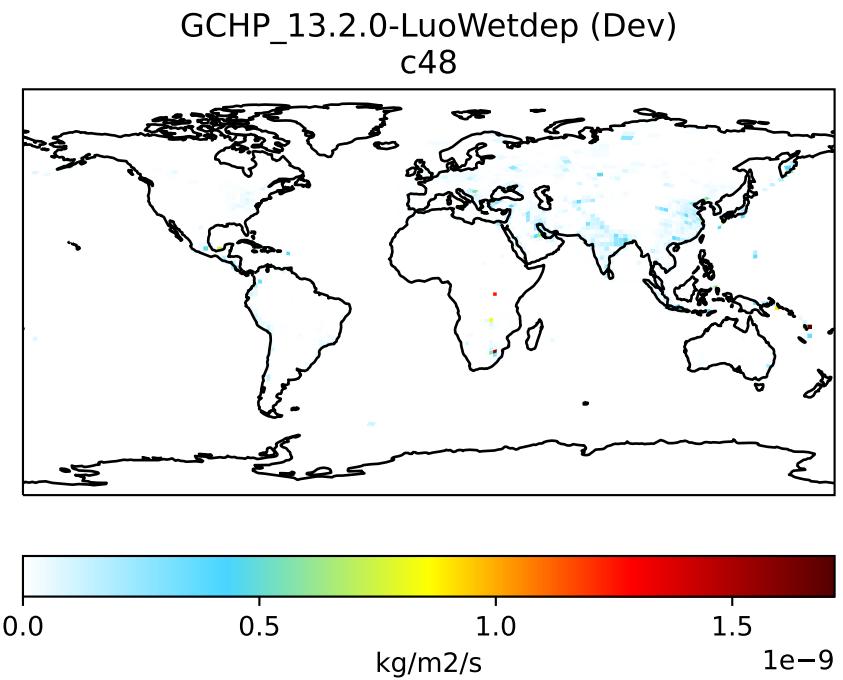
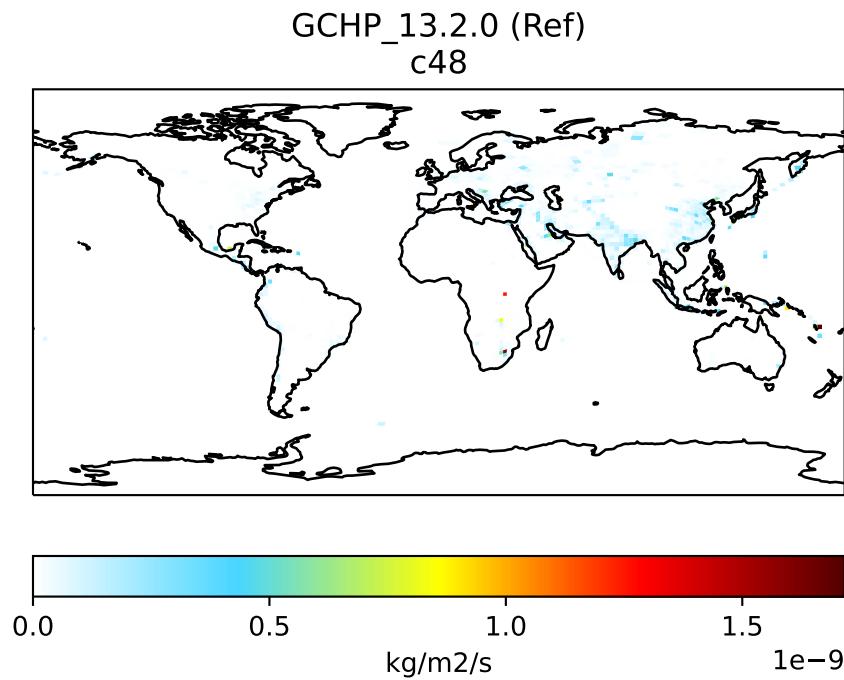
# EmisPRPE\_Total (Oct2019)



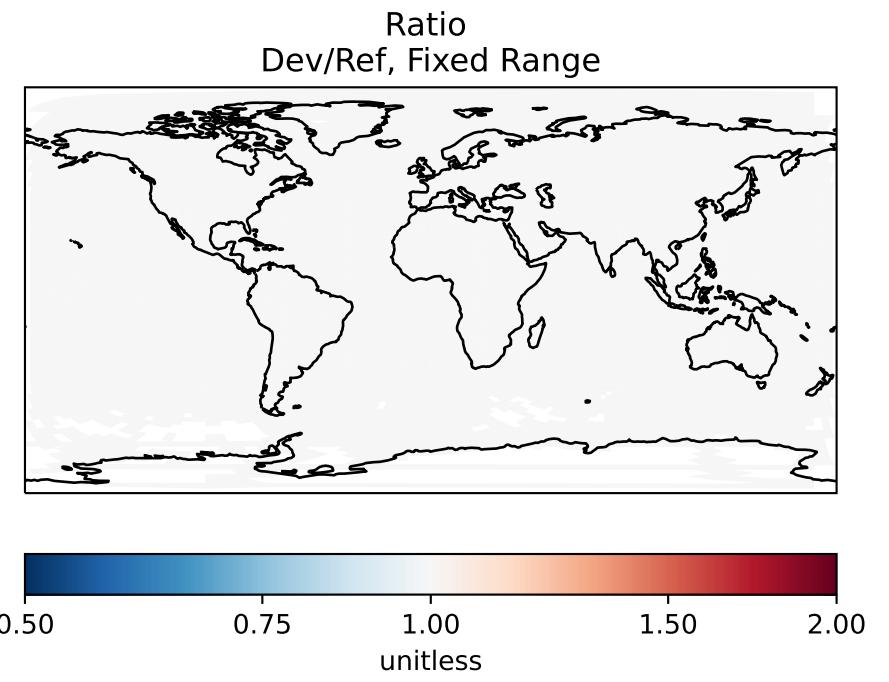
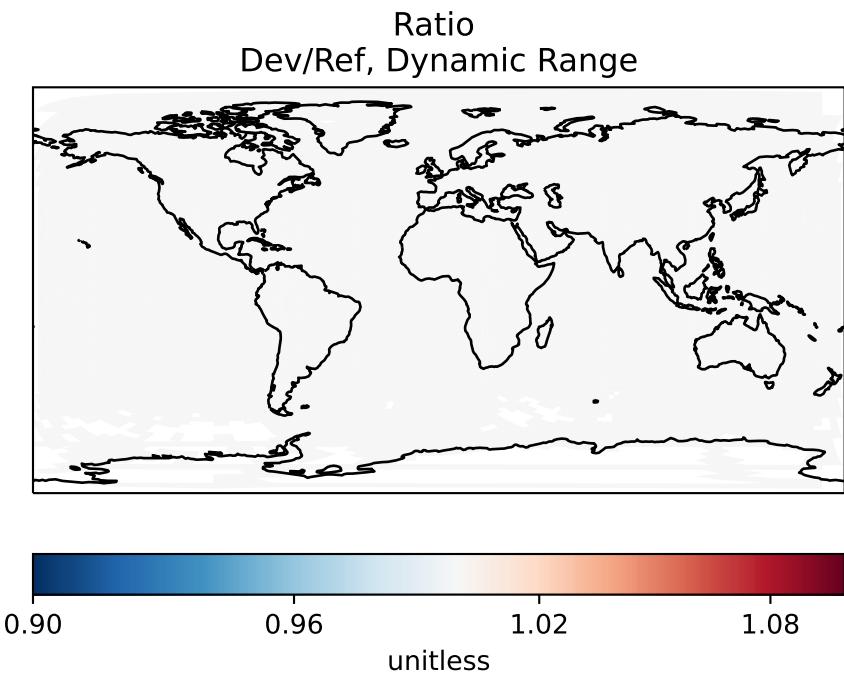
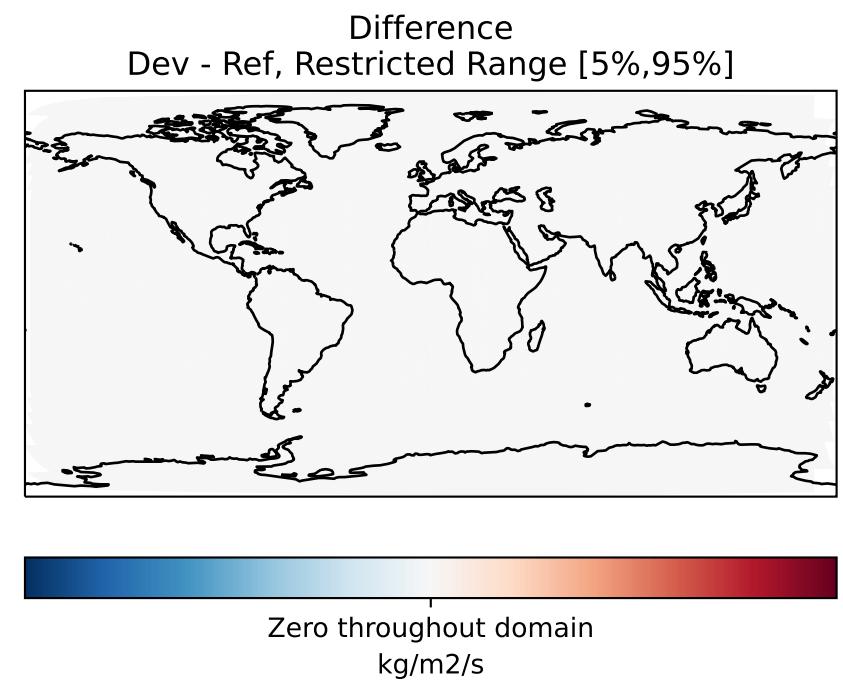
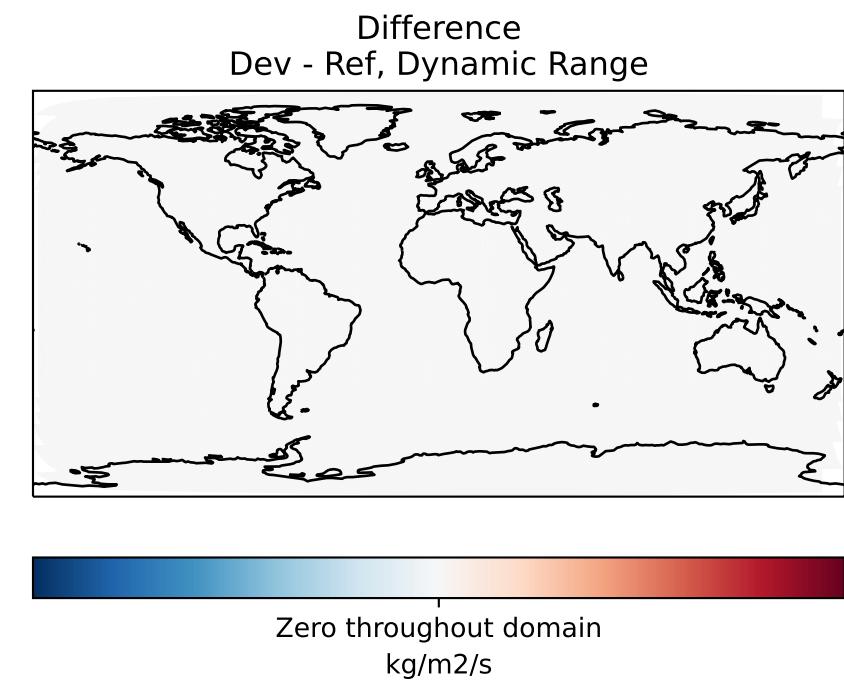
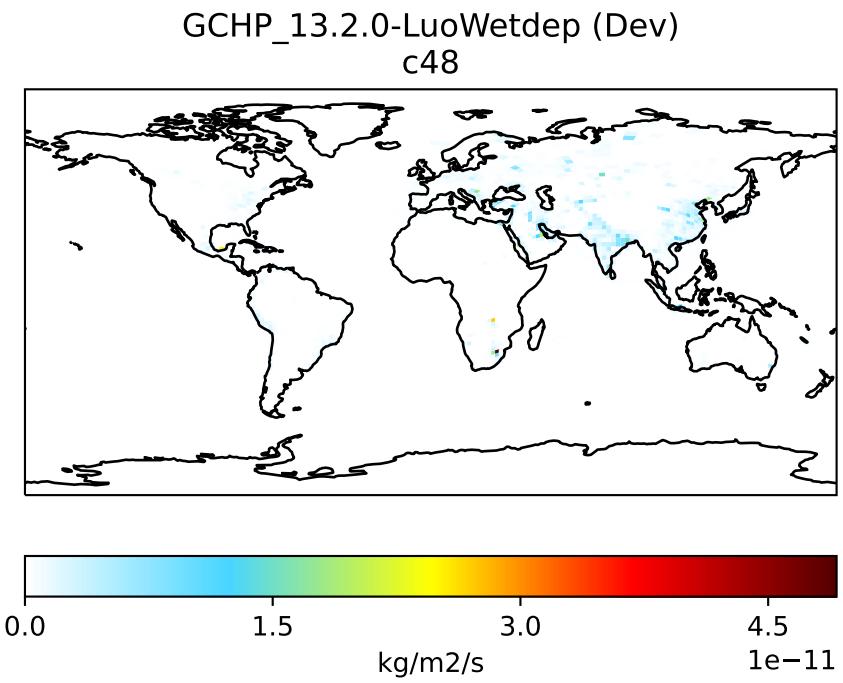
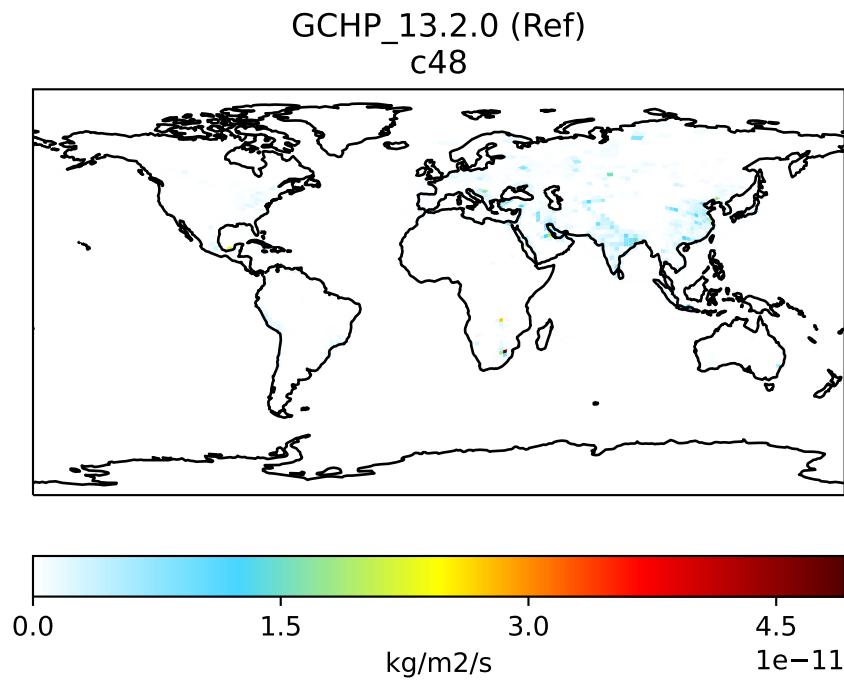
# EmisRCHO\_Total (Oct2019)



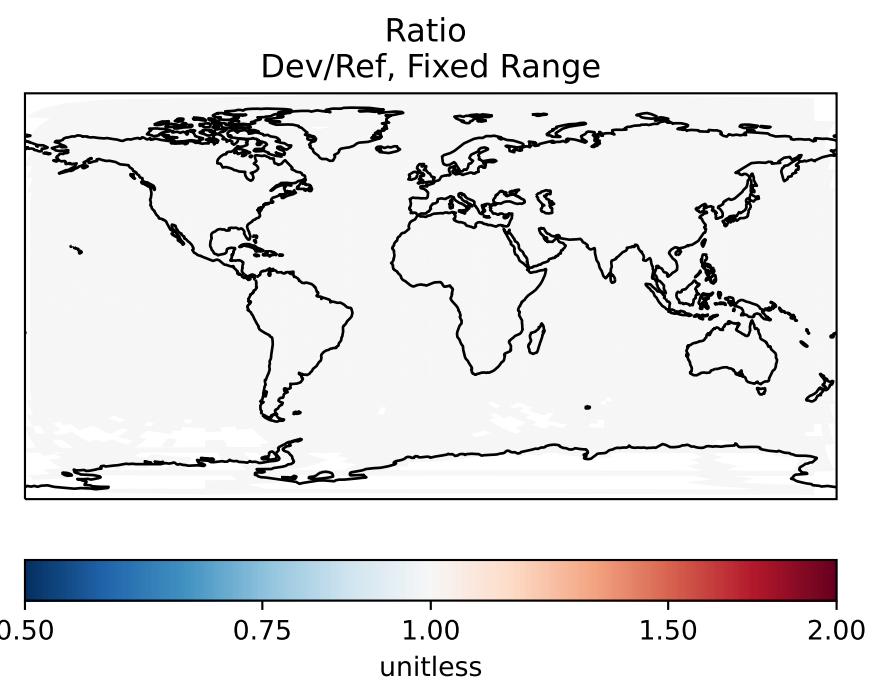
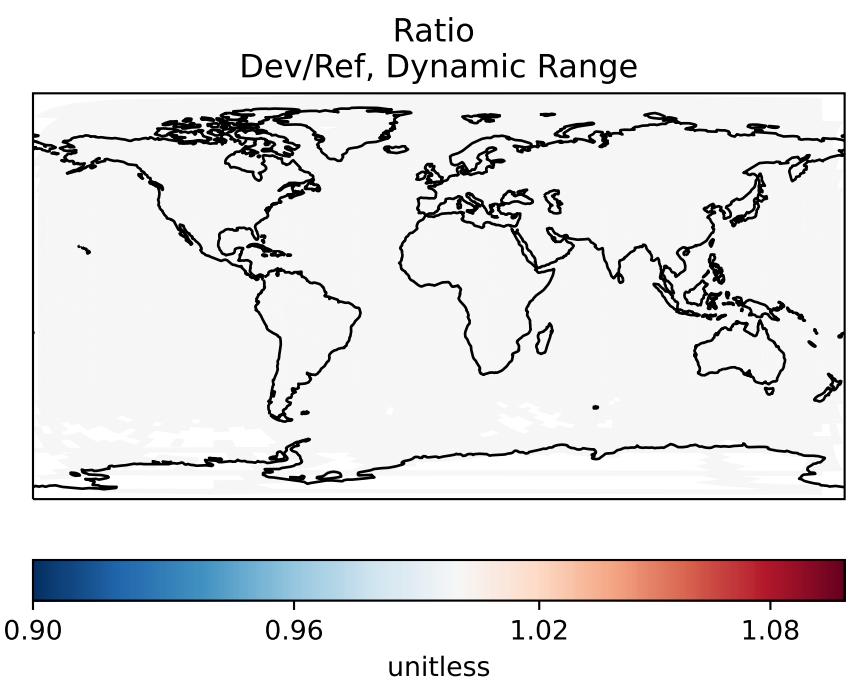
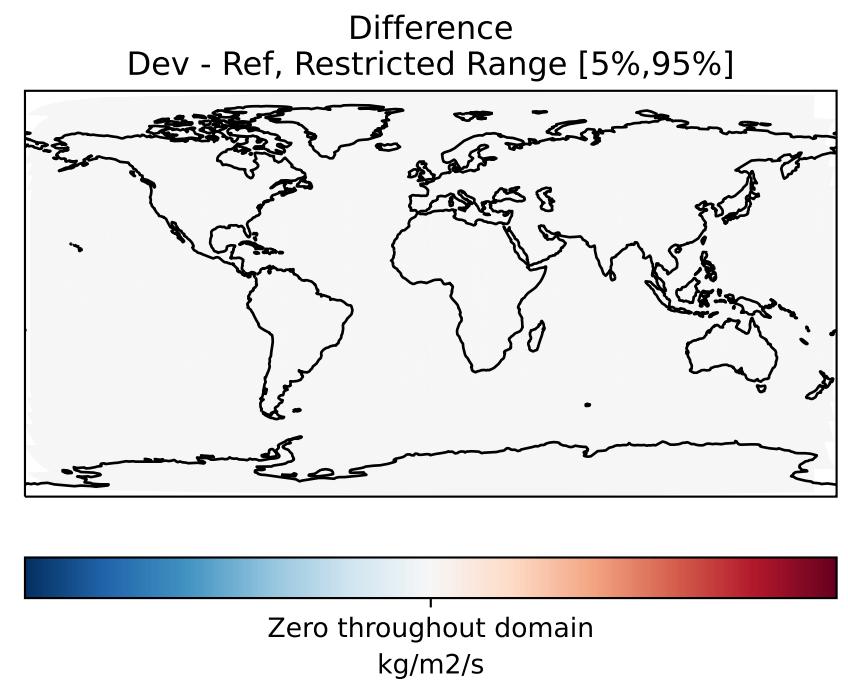
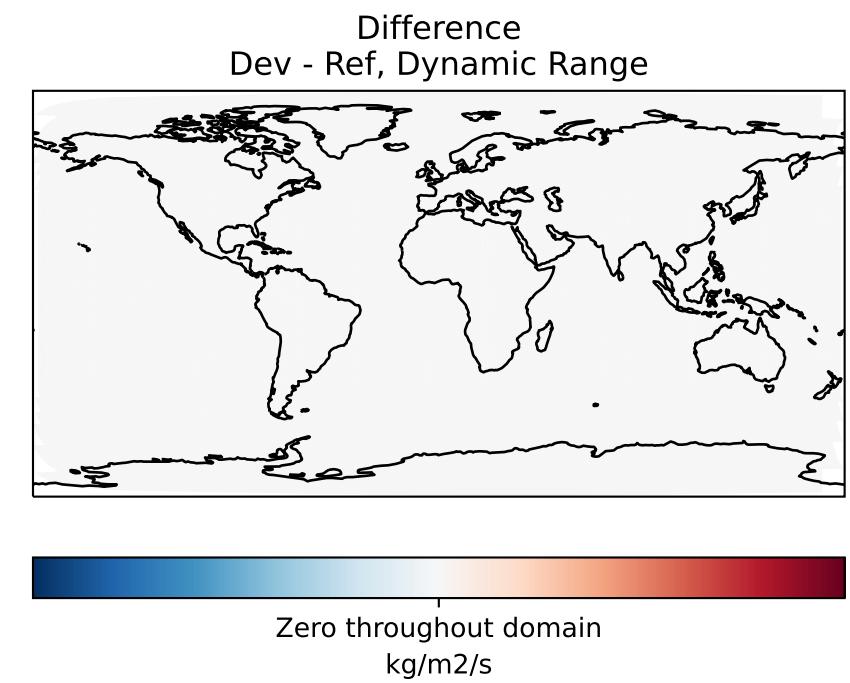
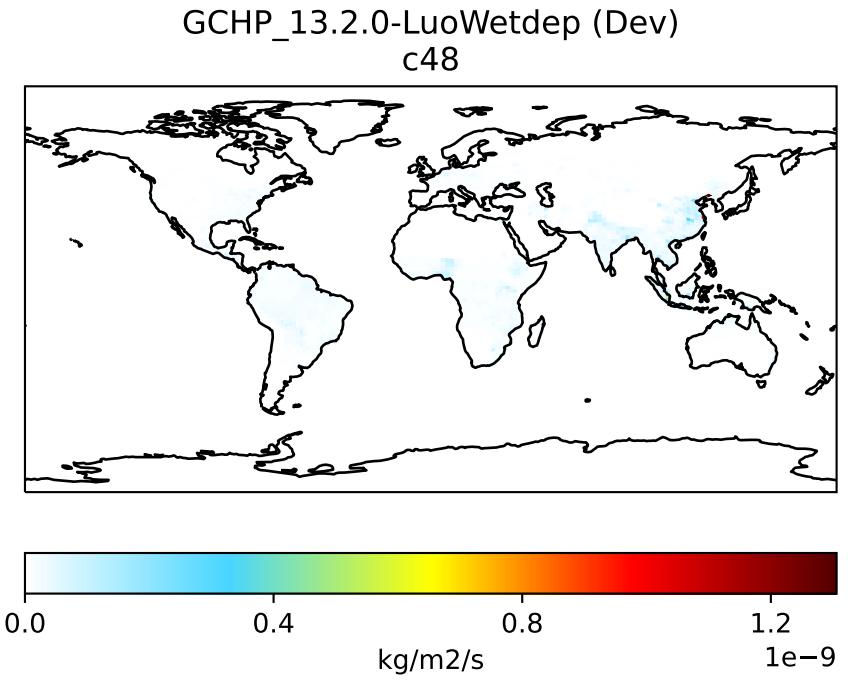
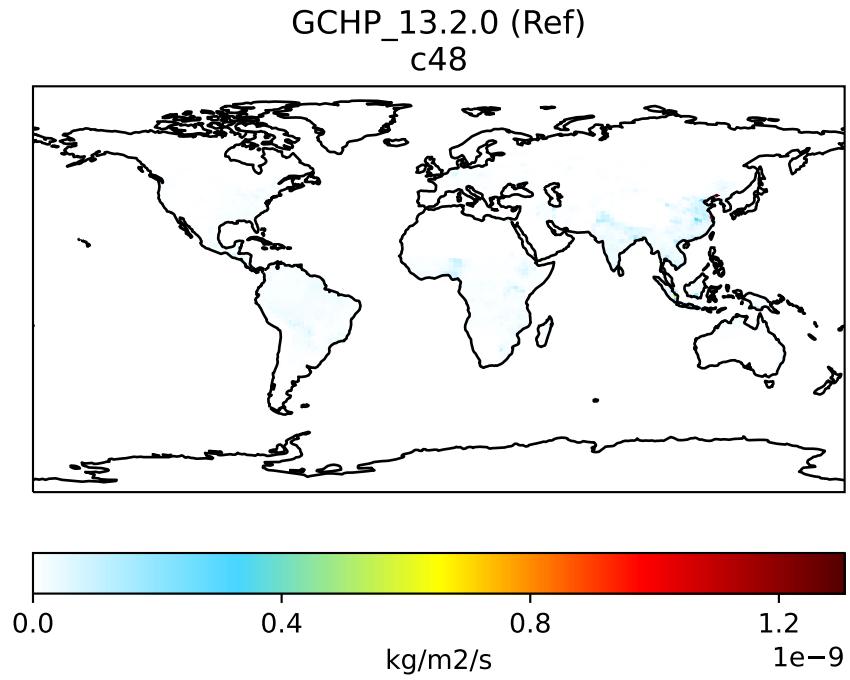
# EmisSO2\_Total (Oct2019)



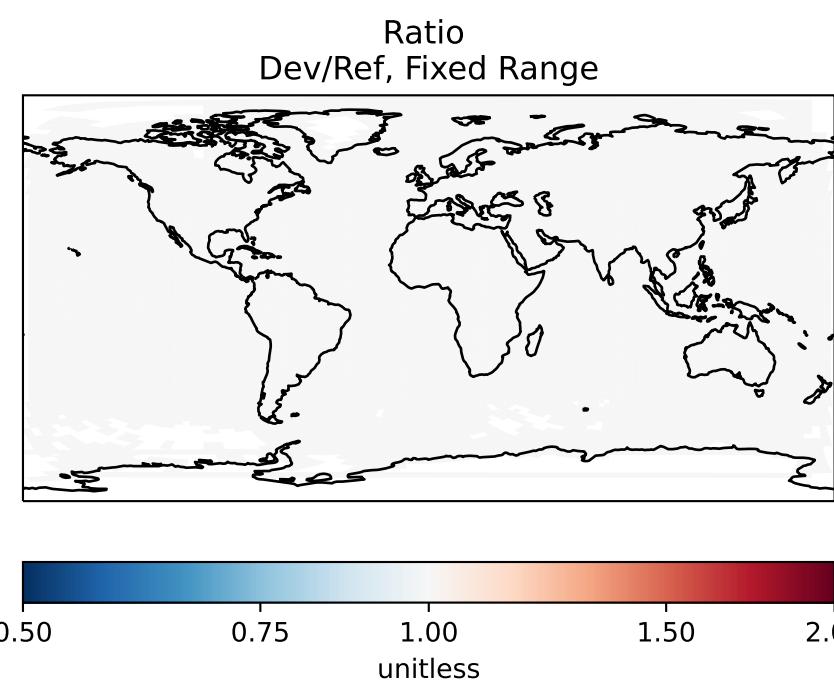
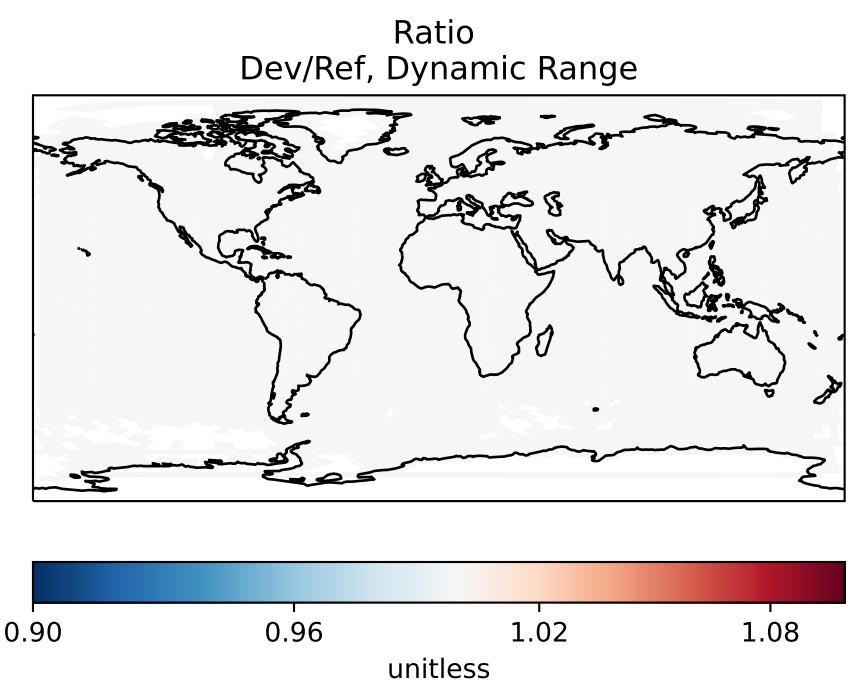
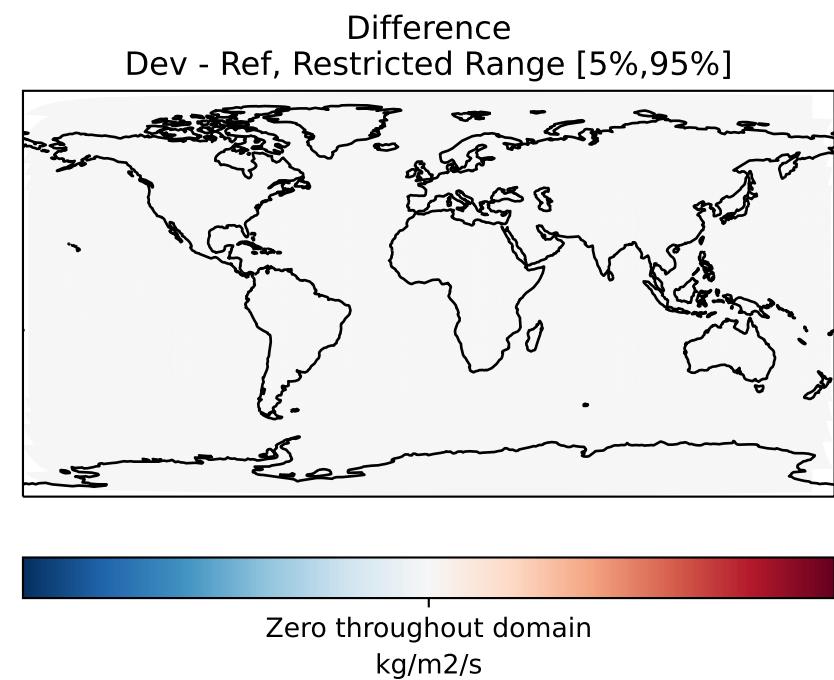
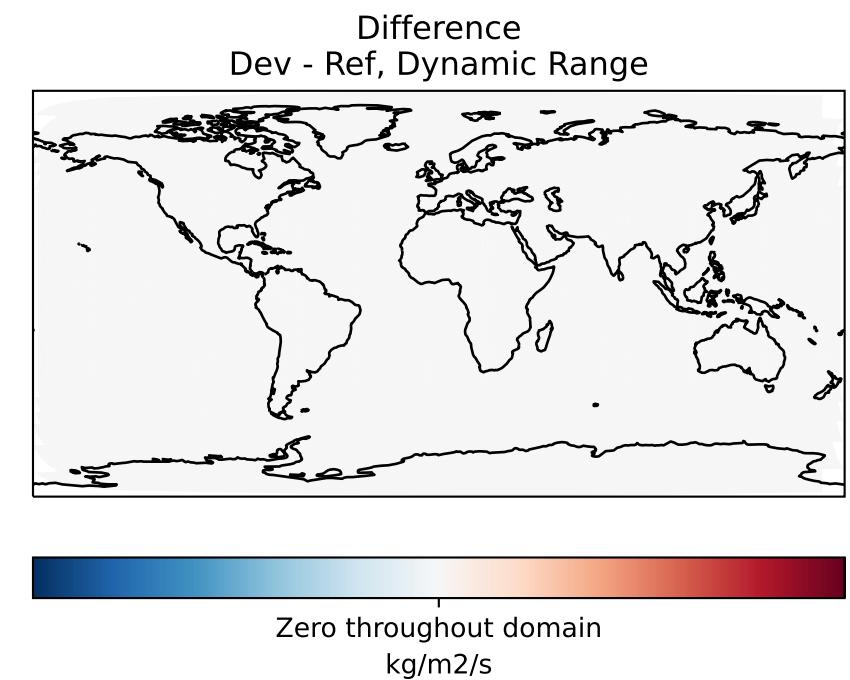
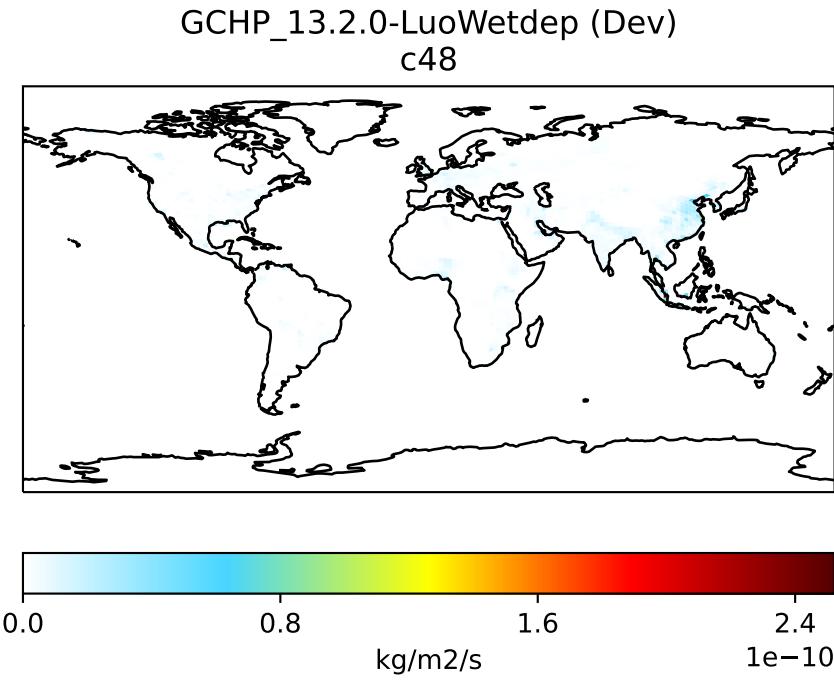
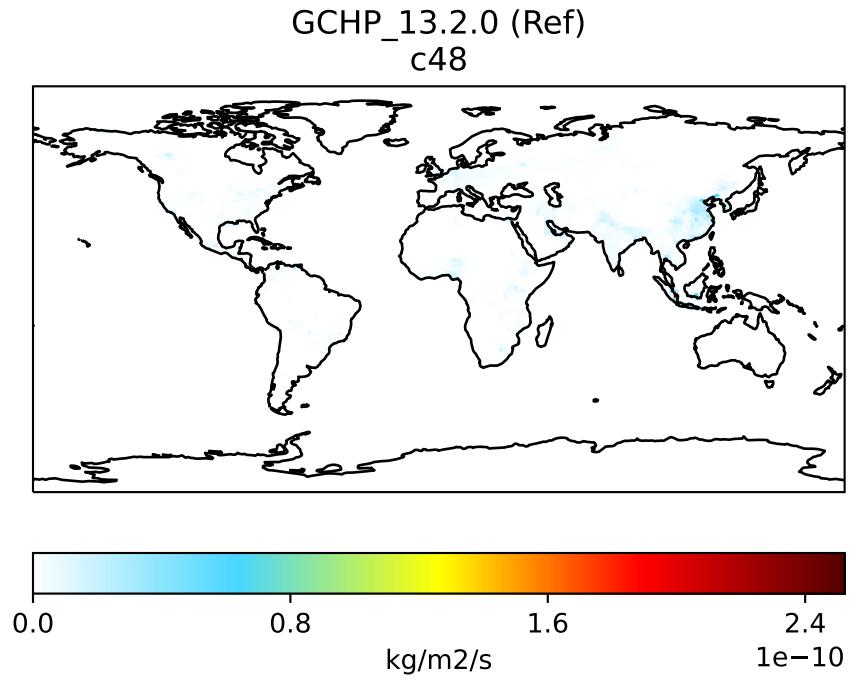
# EmisSO4\_Total (Oct2019)



# EmisSOAP\_Total (Oct2019)



# EmisTOLU\_Total (Oct2019)



# EmisXYLE\_Total (Oct2019)

