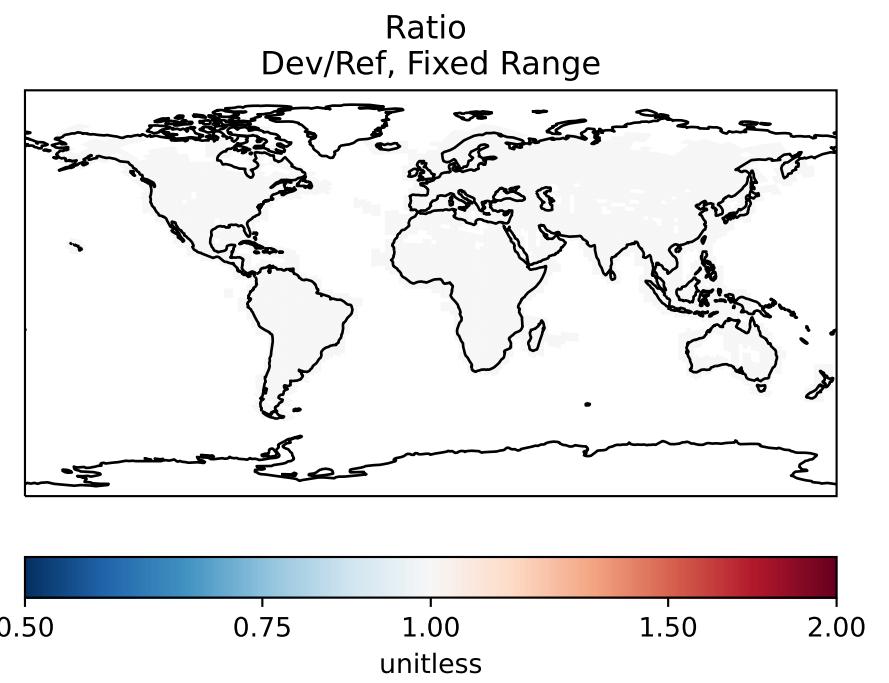
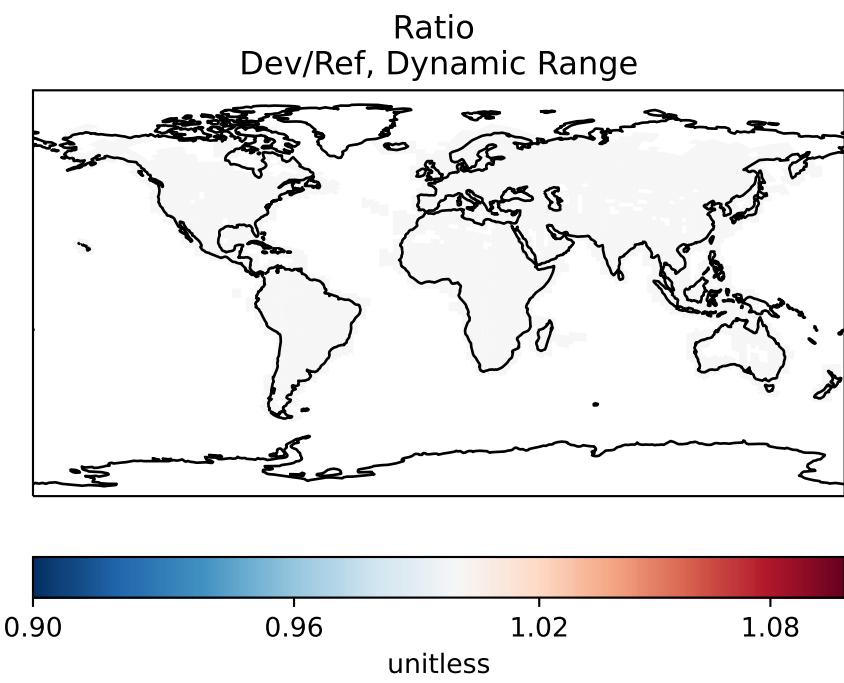
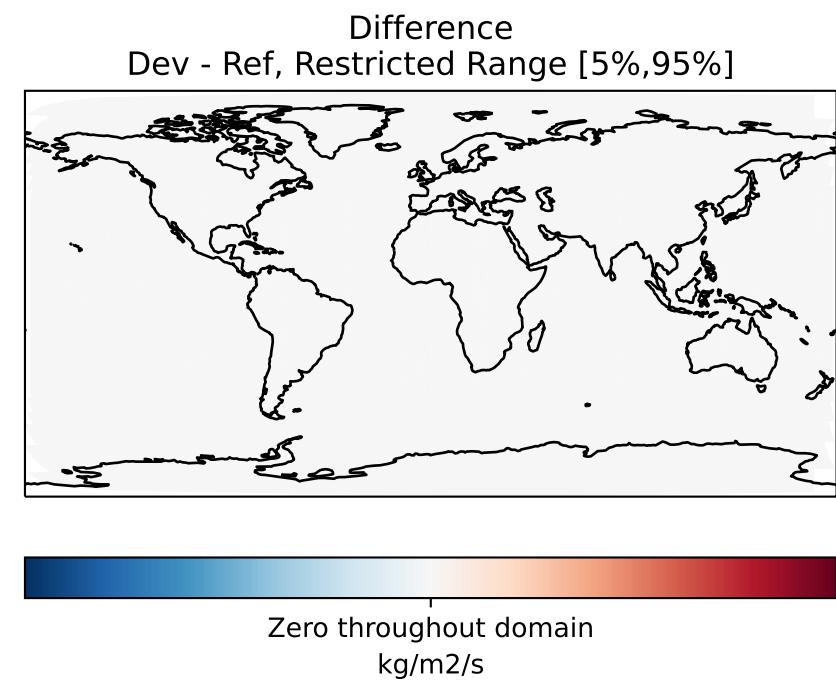
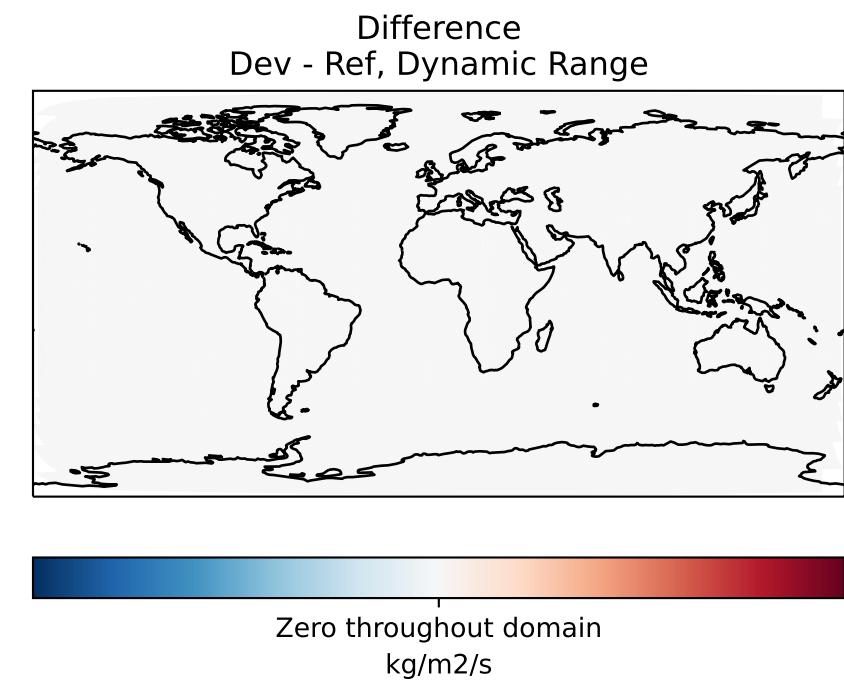
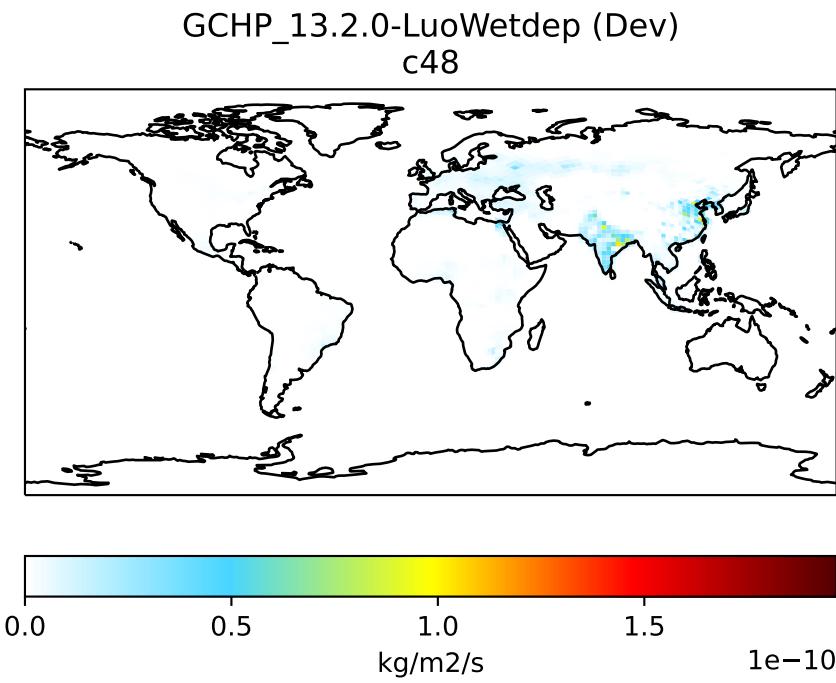
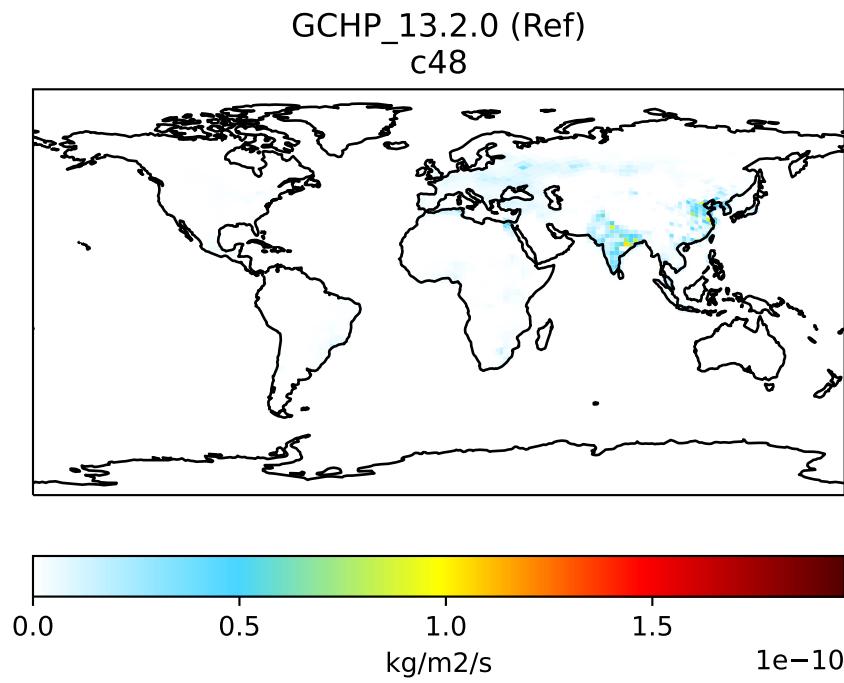
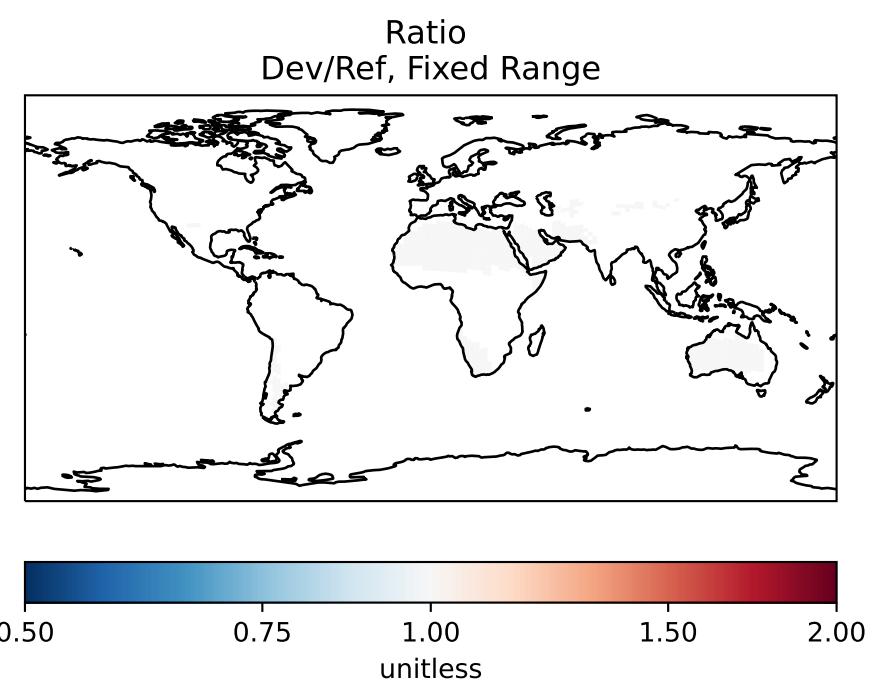
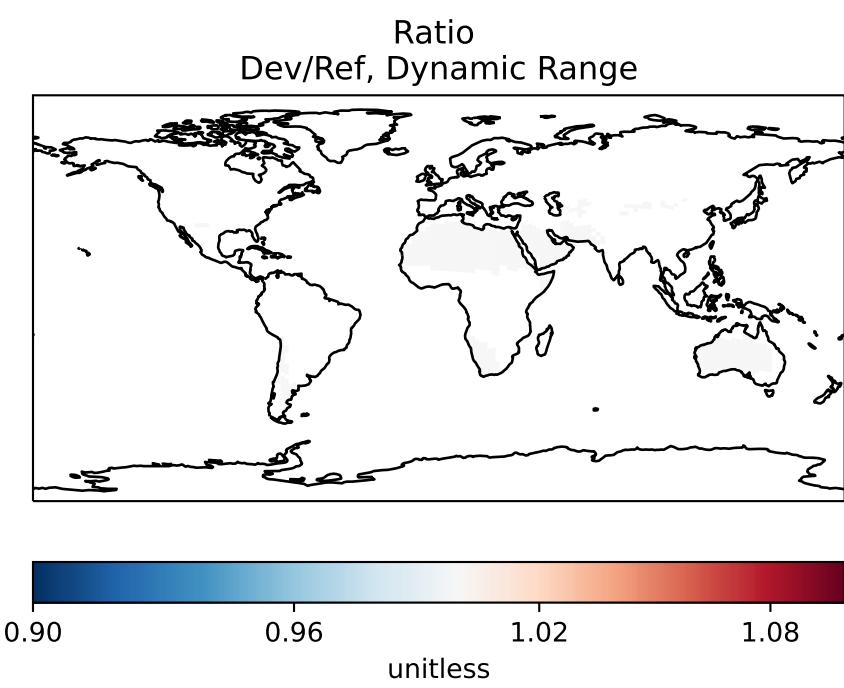
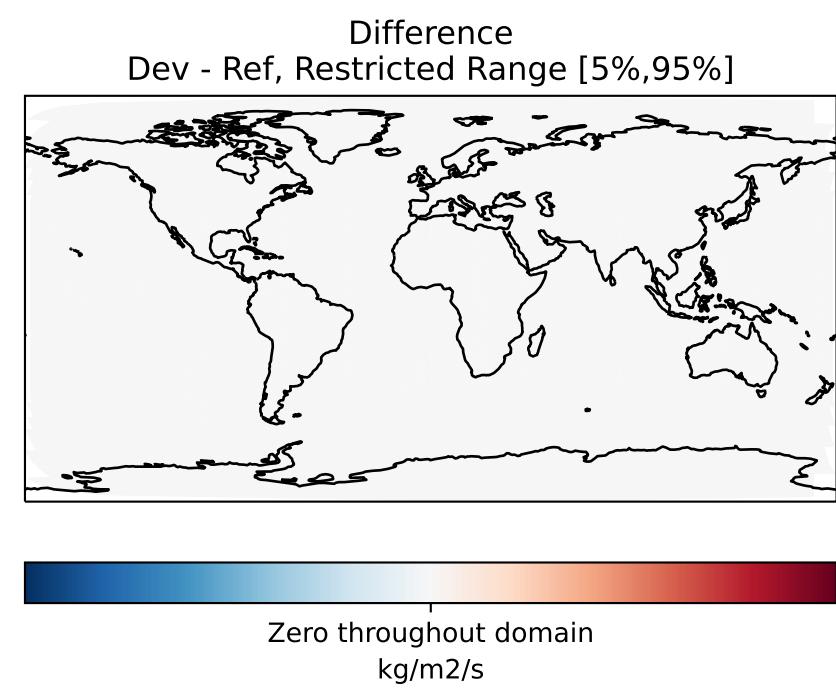
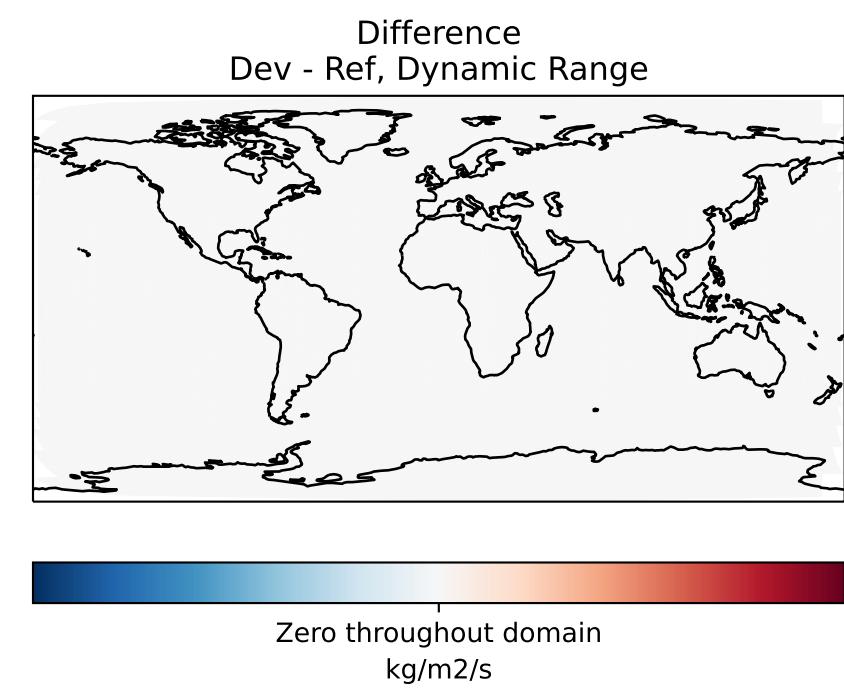
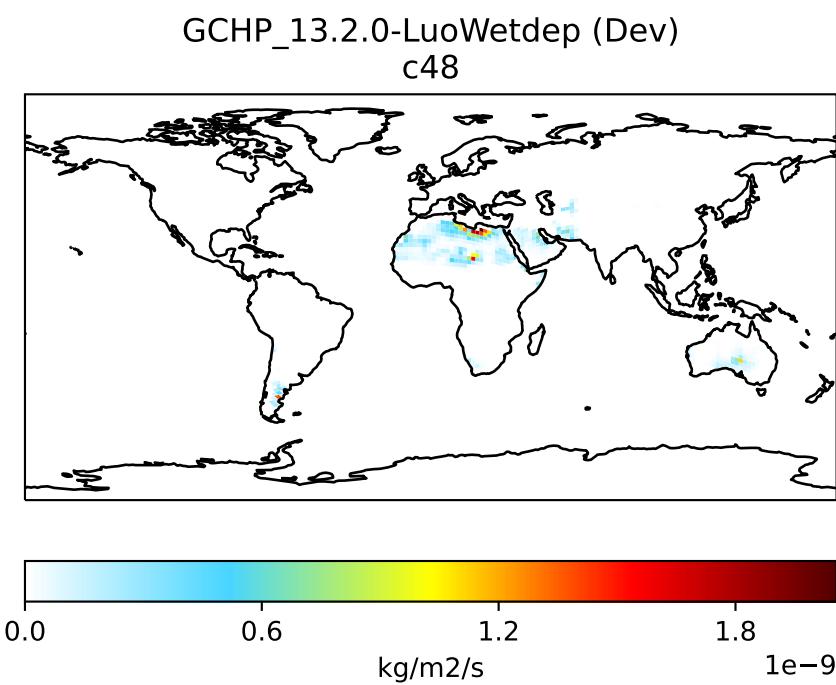
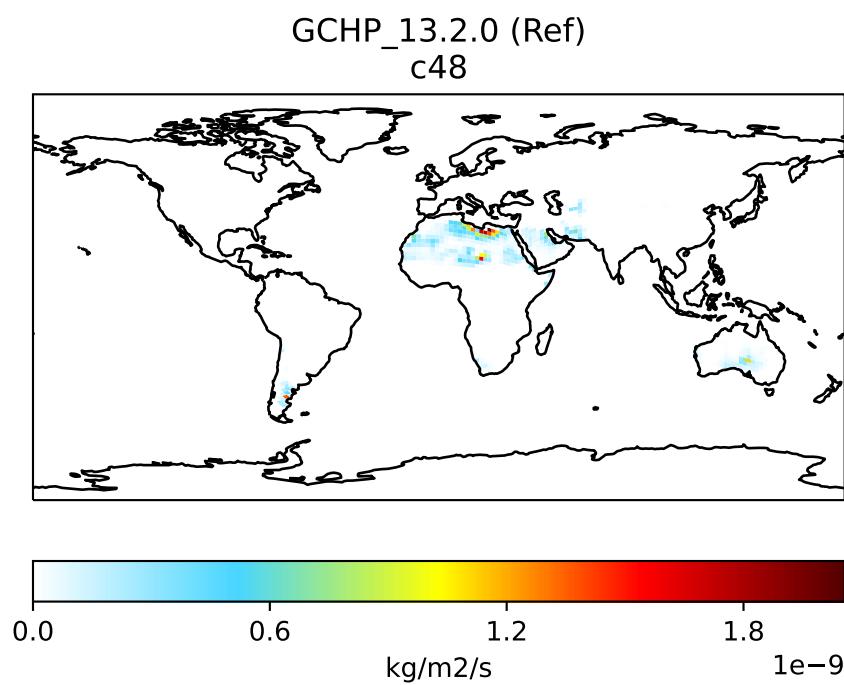


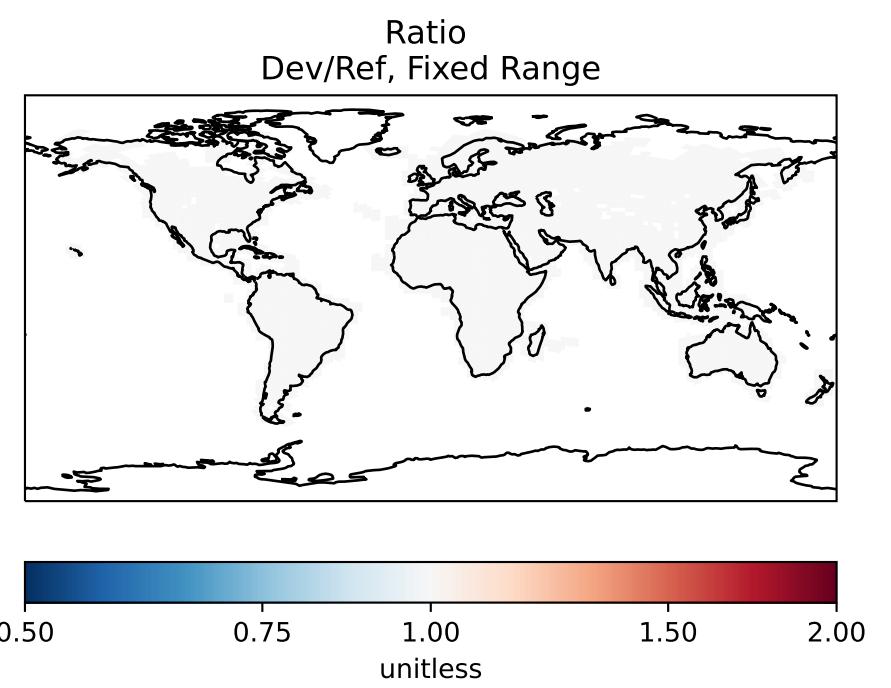
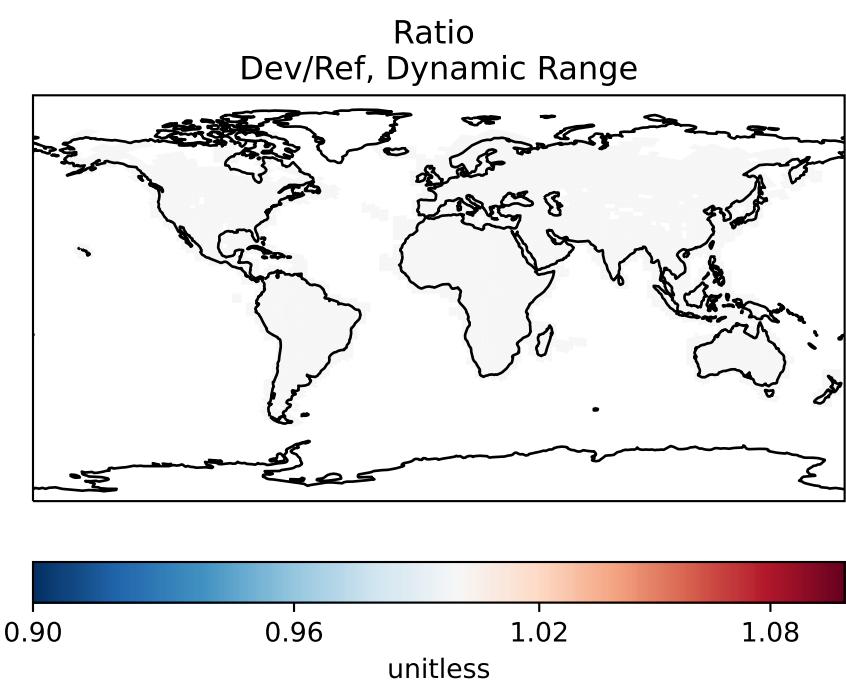
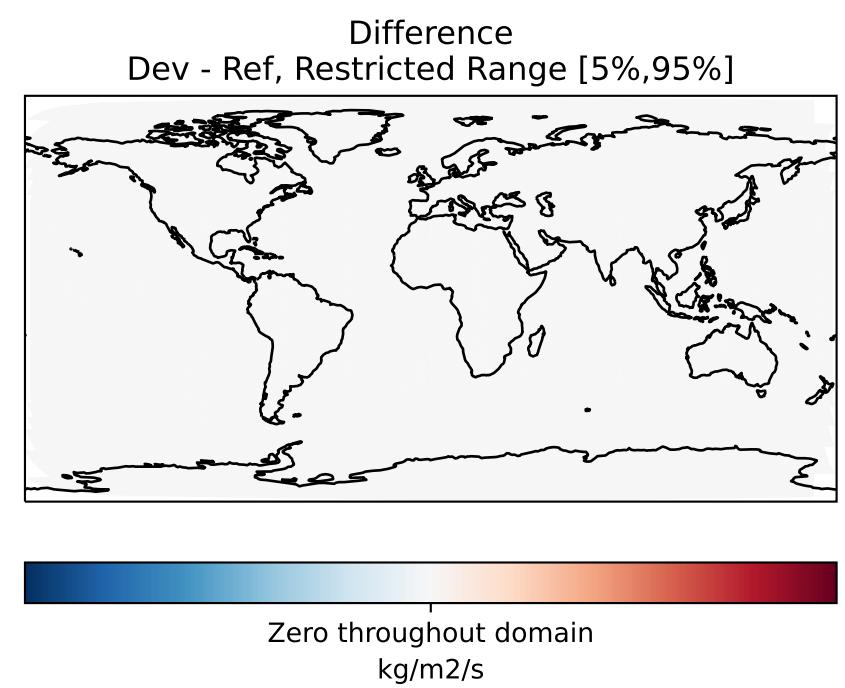
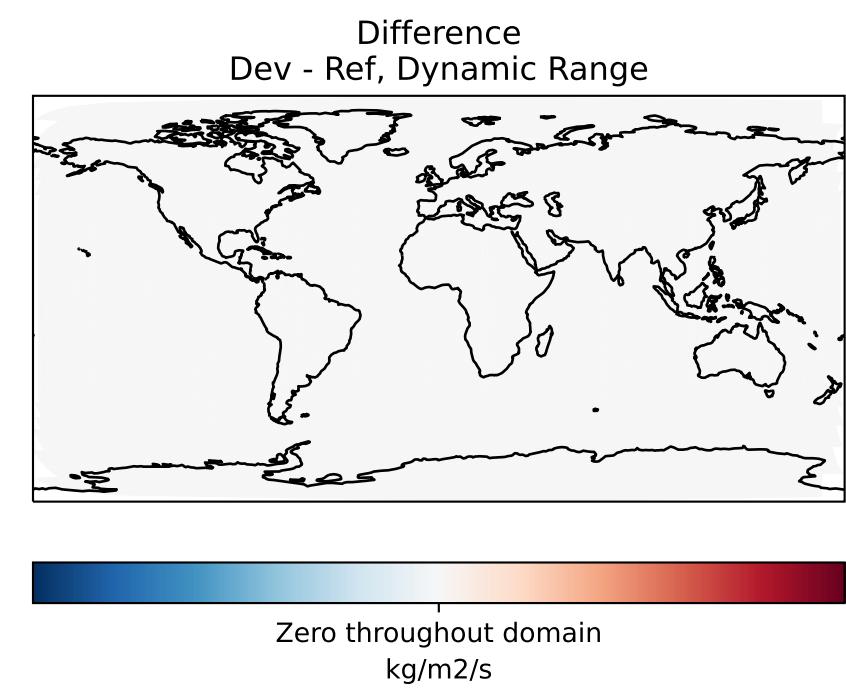
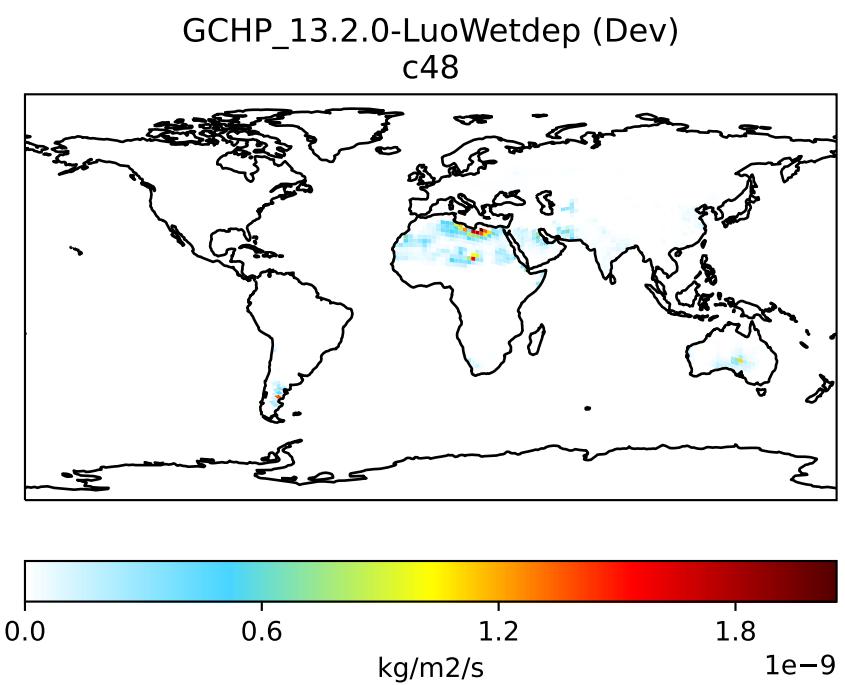
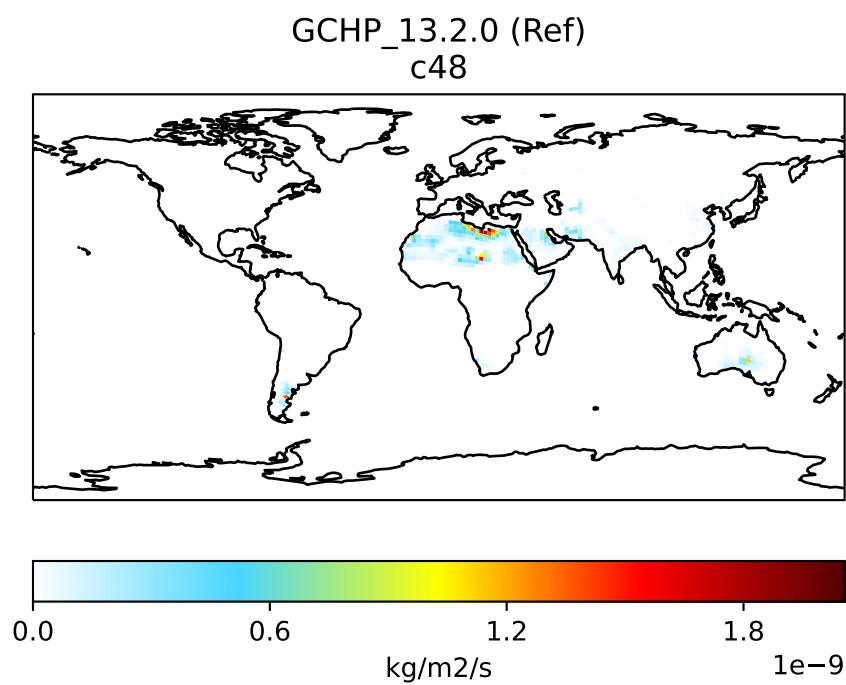
EmisDST1_Anthro (Jan2019)



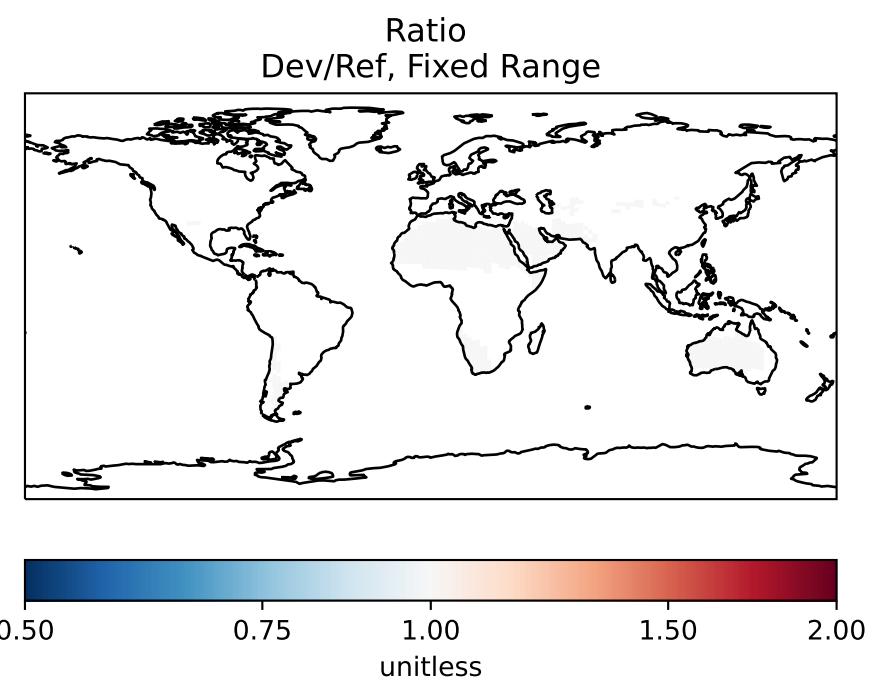
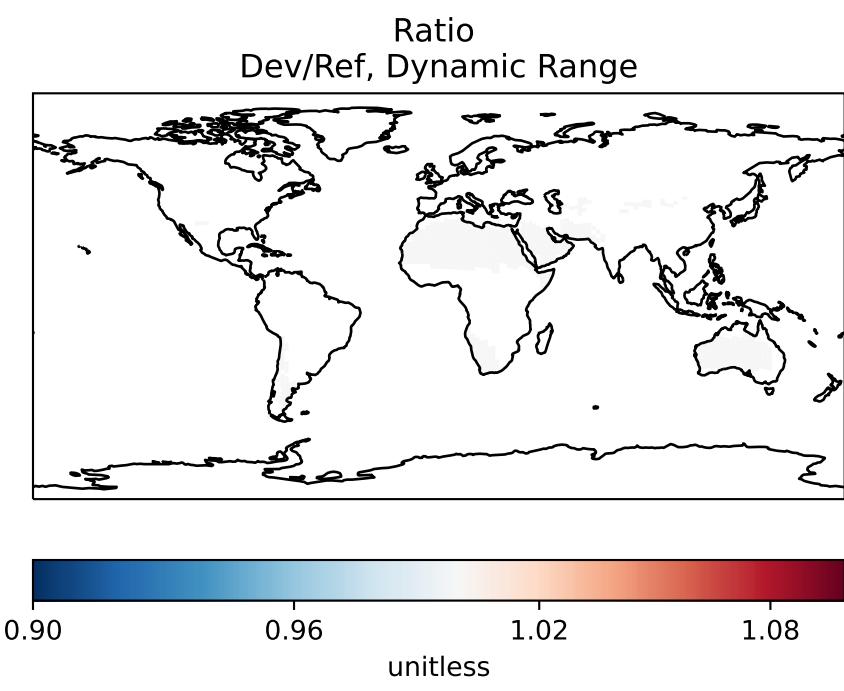
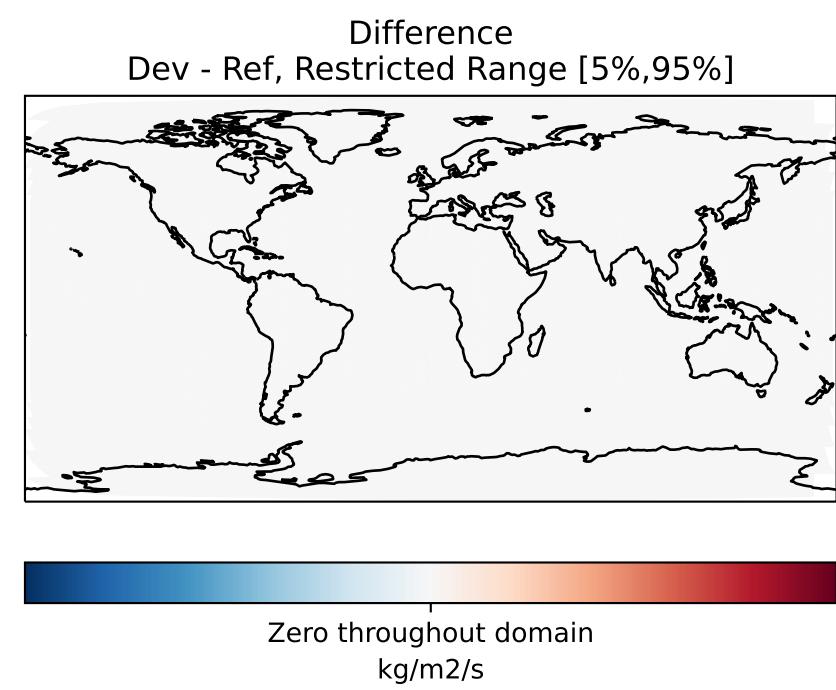
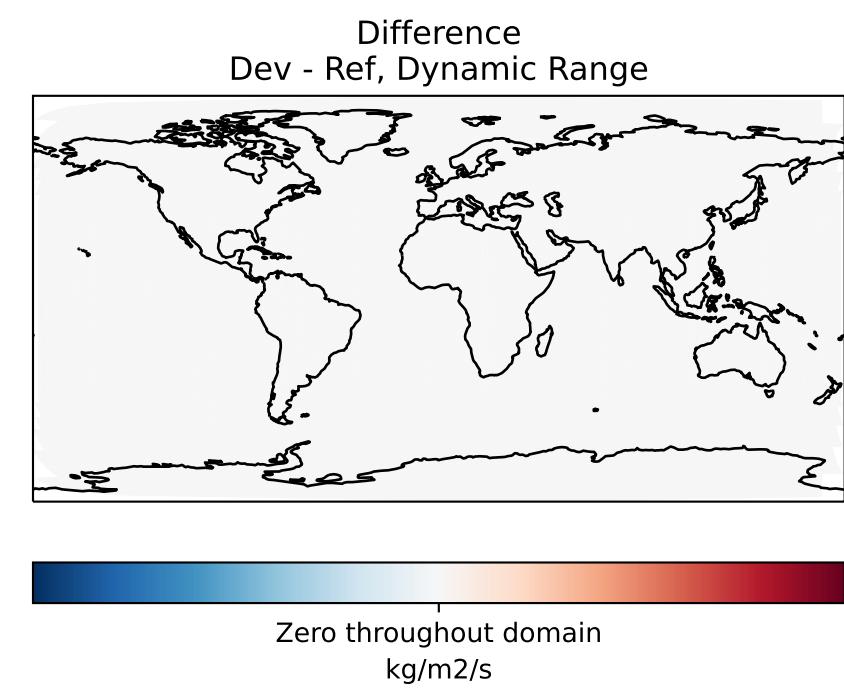
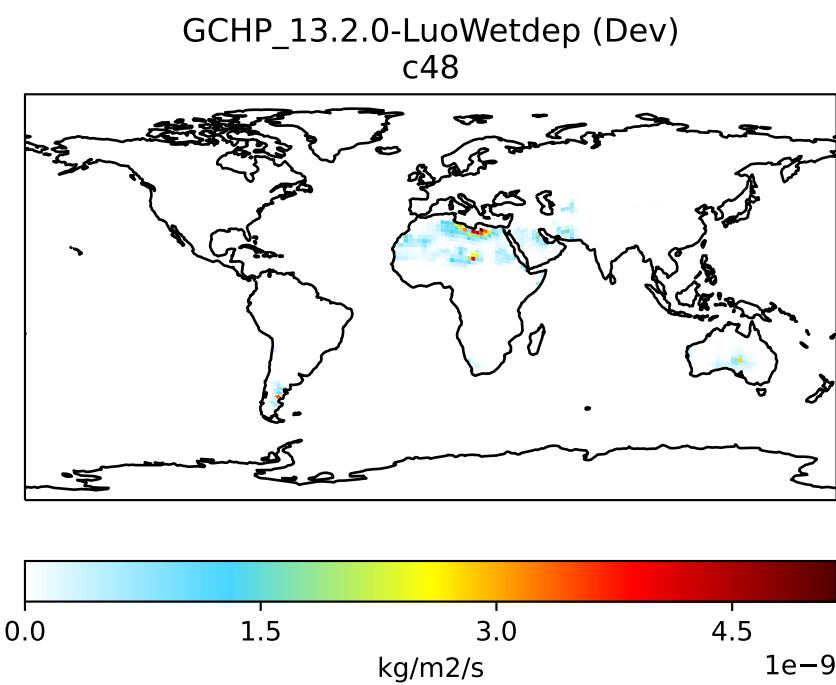
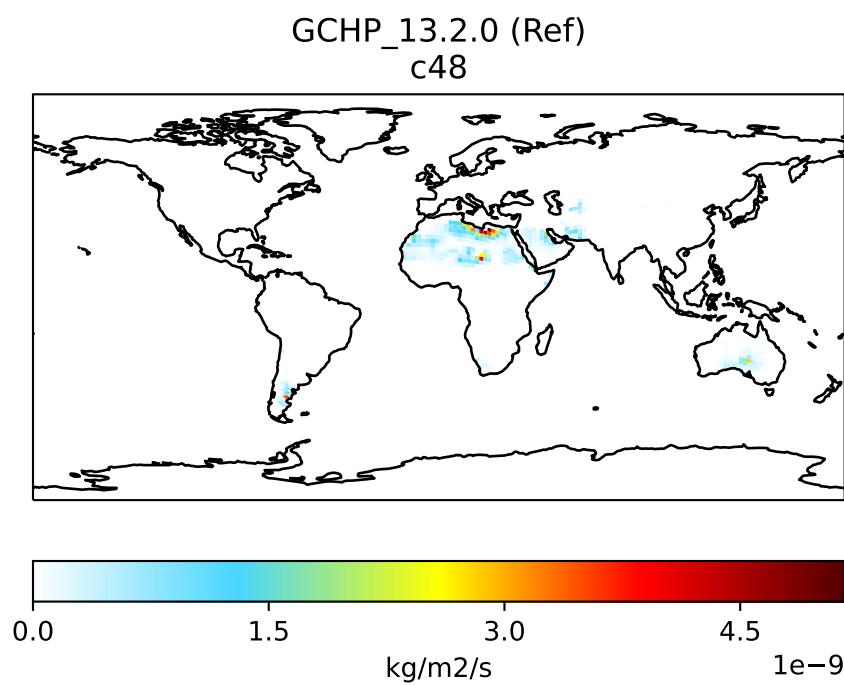
EmisDST1_Natural (Jan2019)



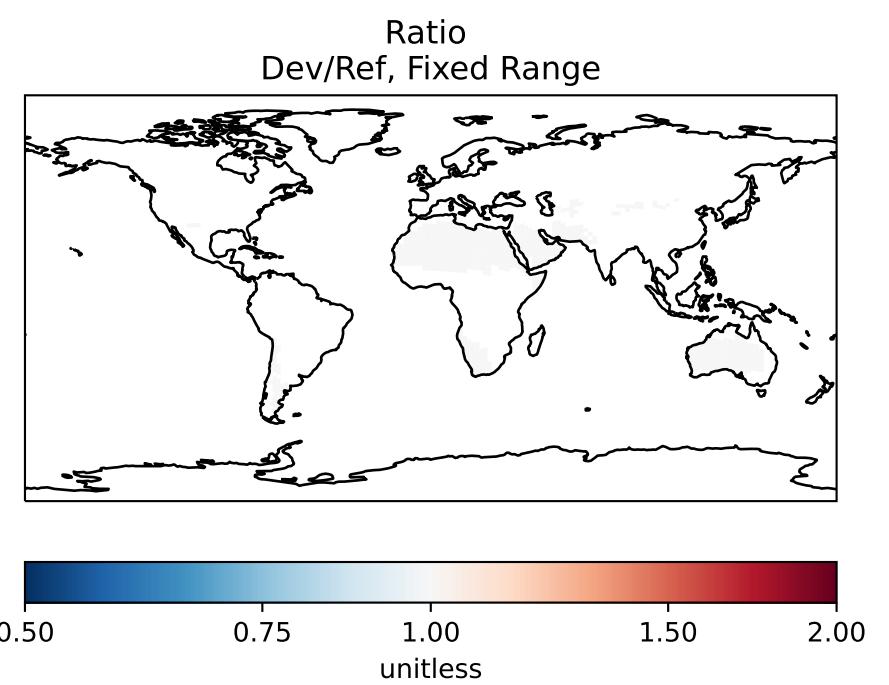
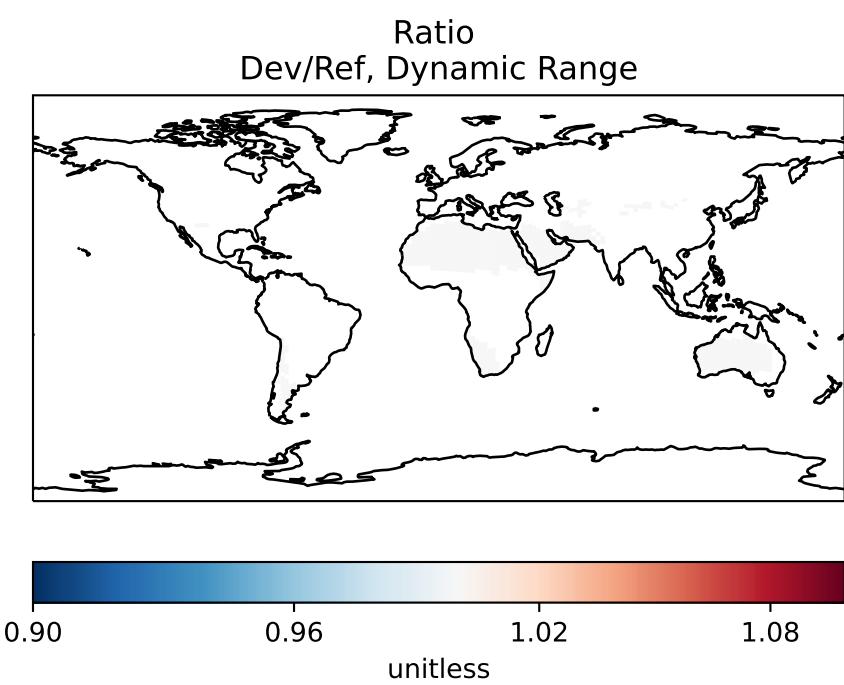
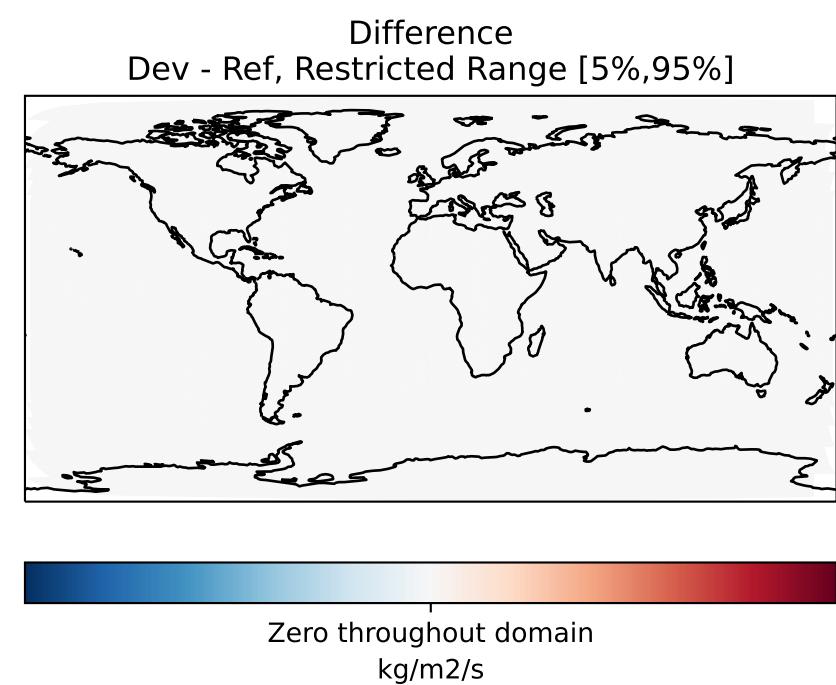
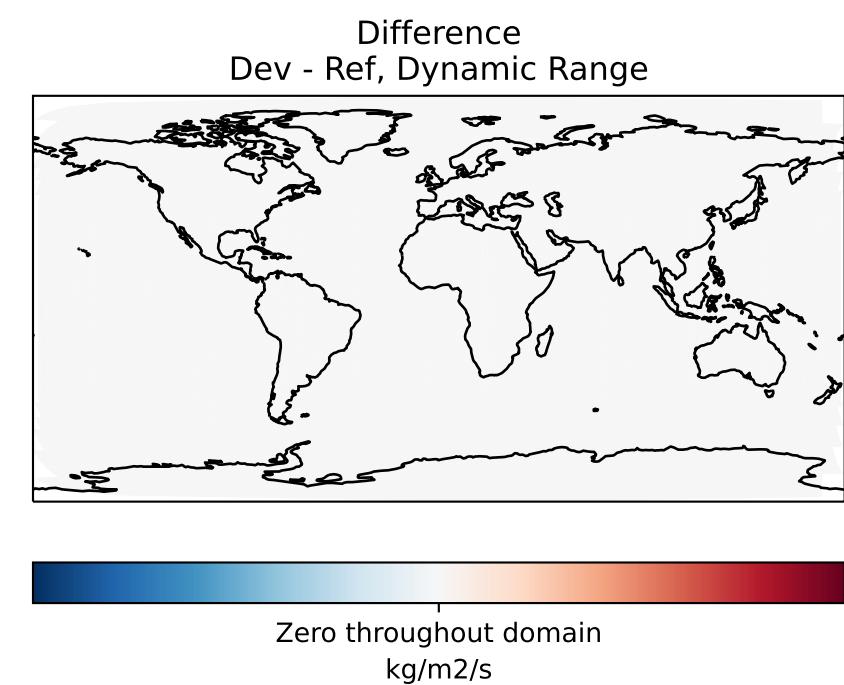
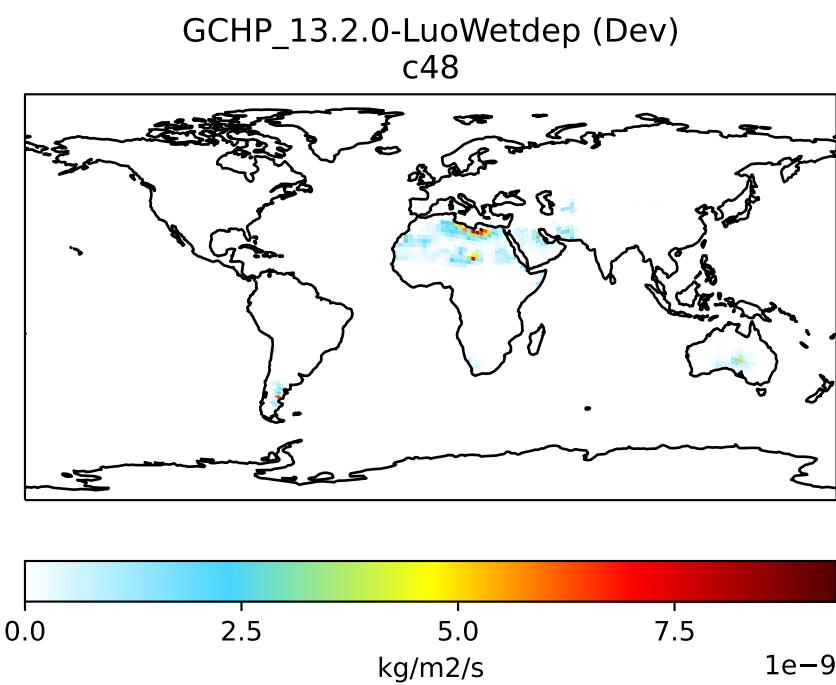
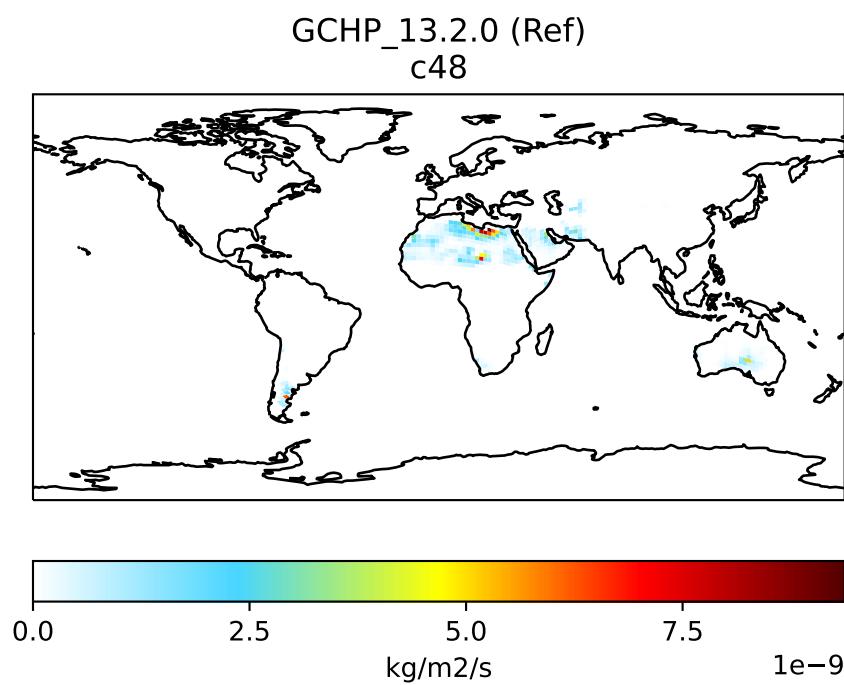
EmisDST1_Total (Jan2019)



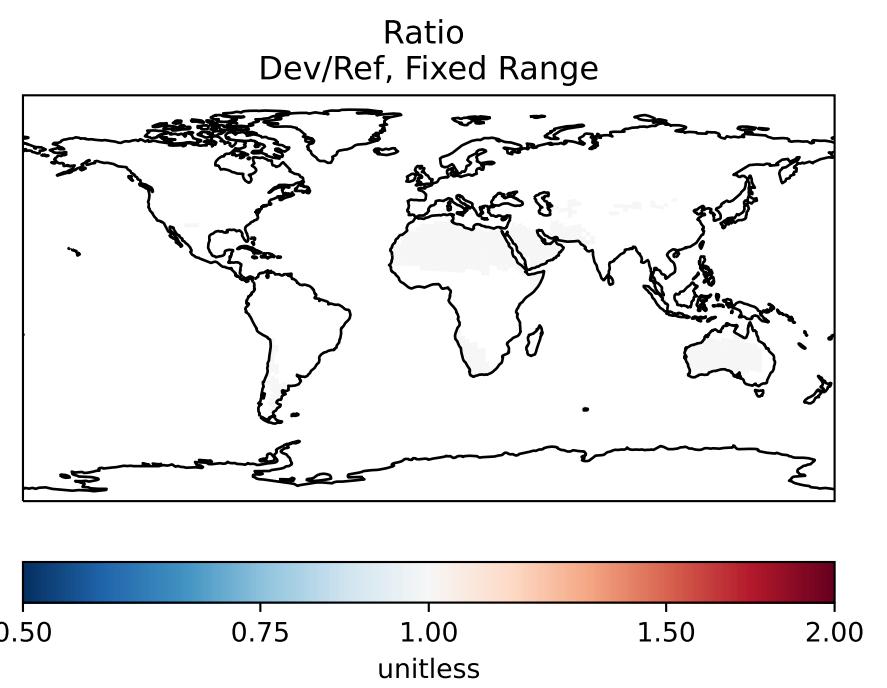
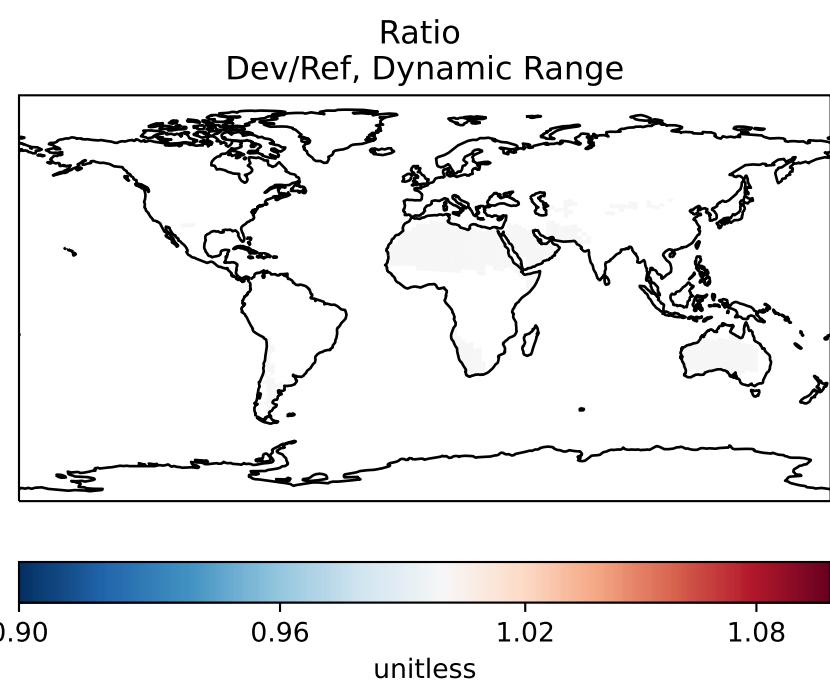
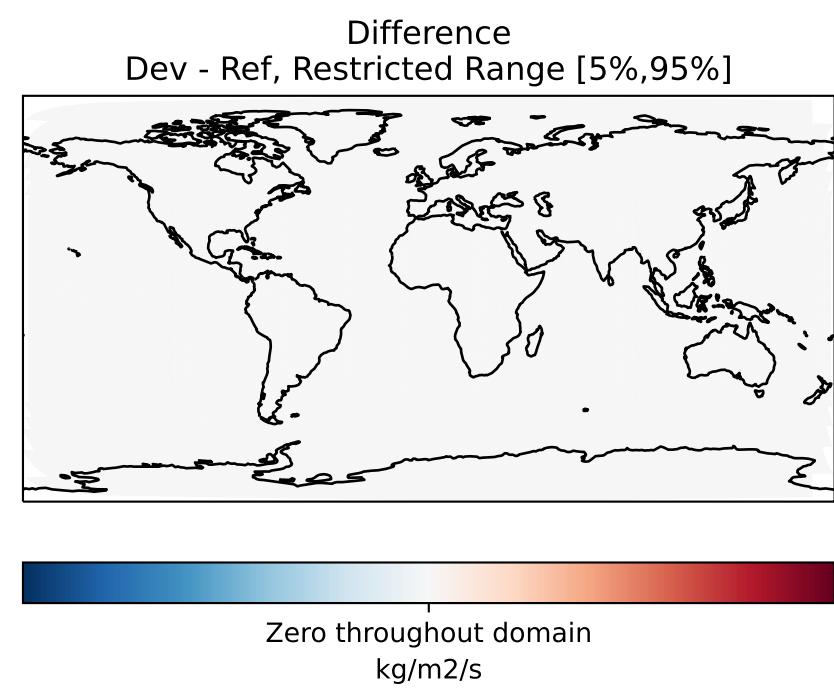
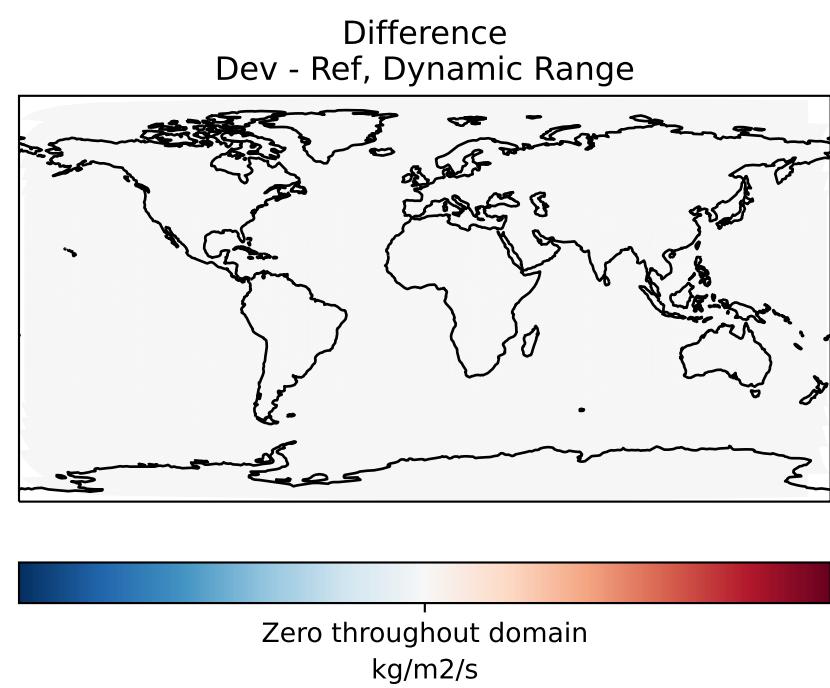
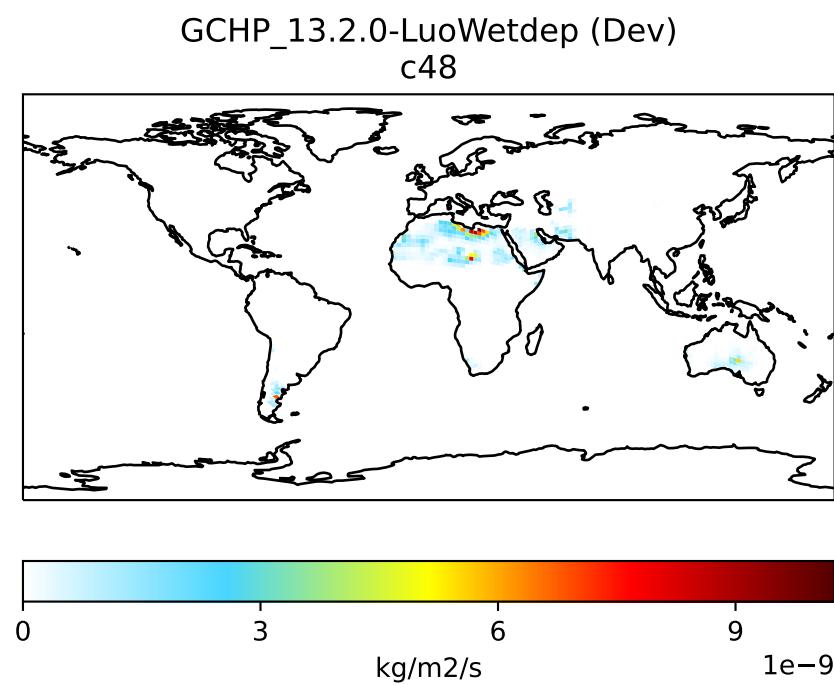
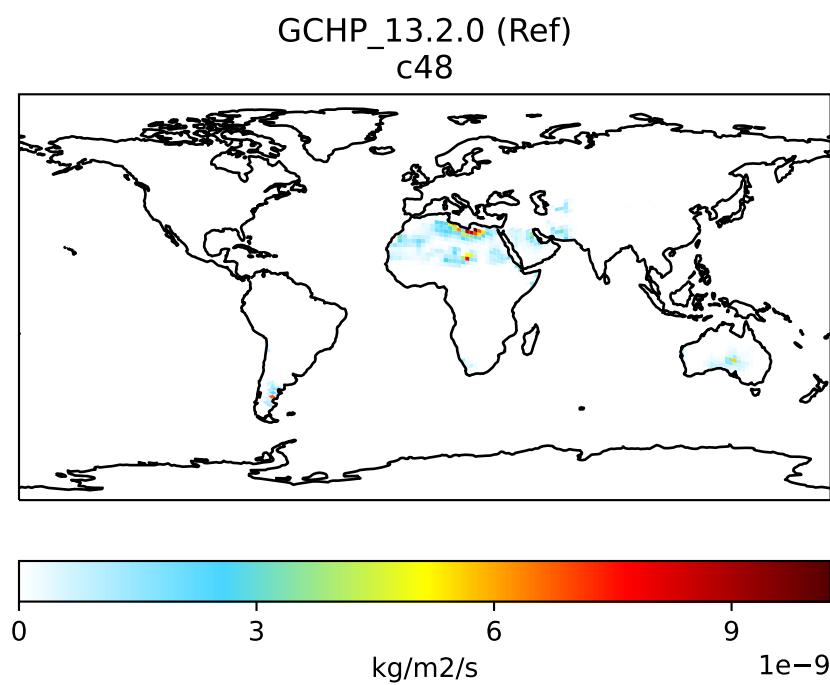
EmisDST2_Natural (Jan2019)



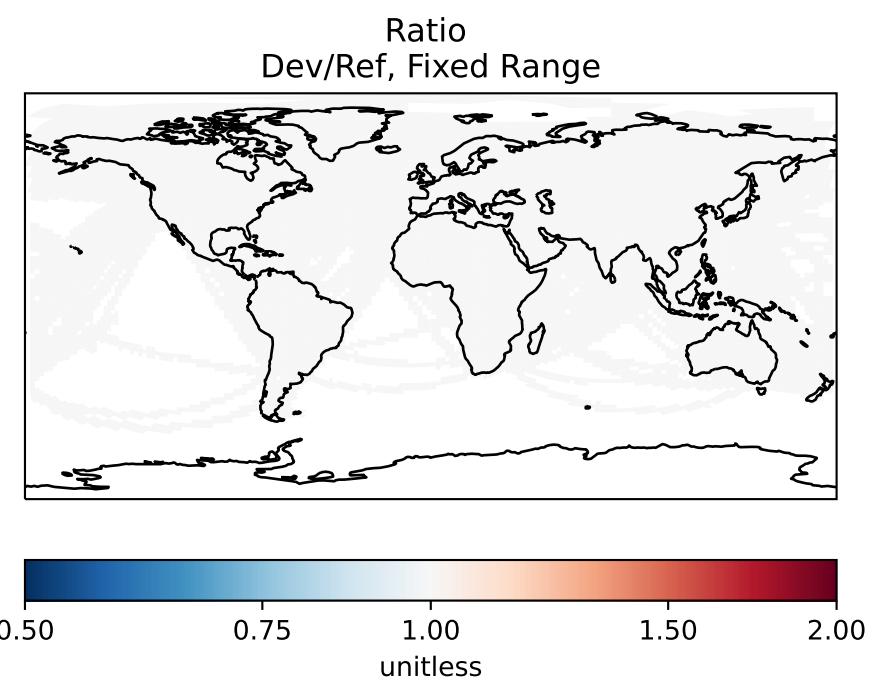
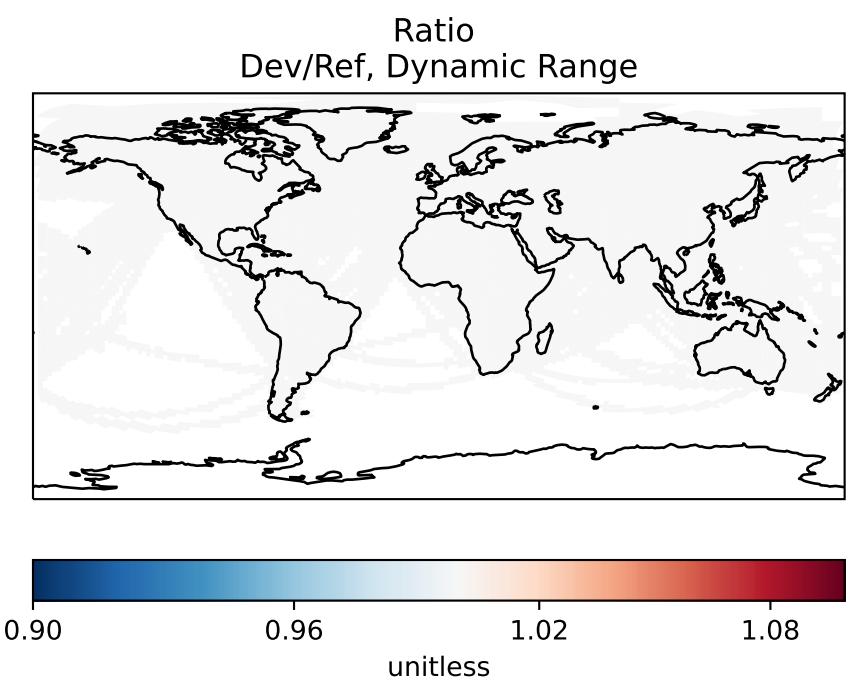
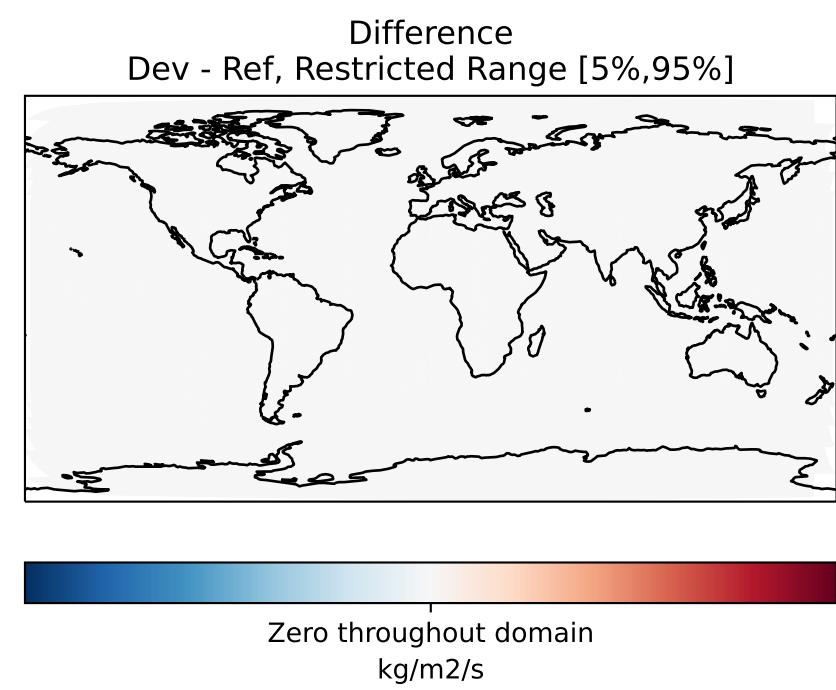
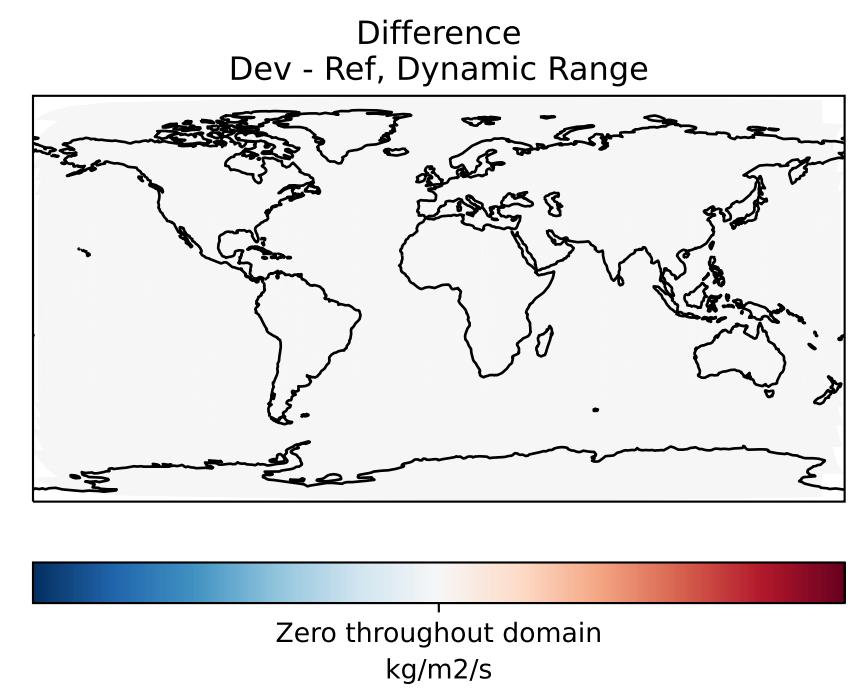
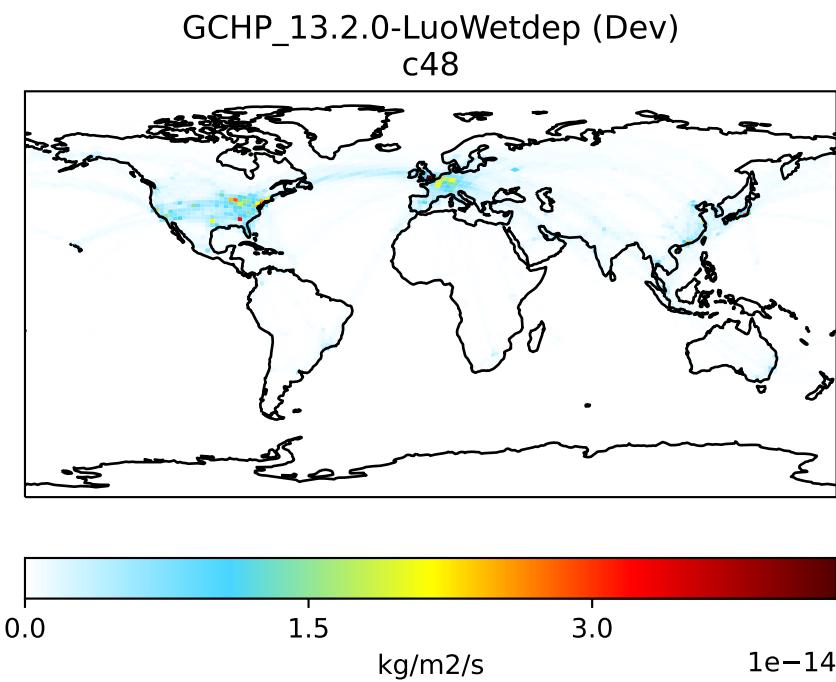
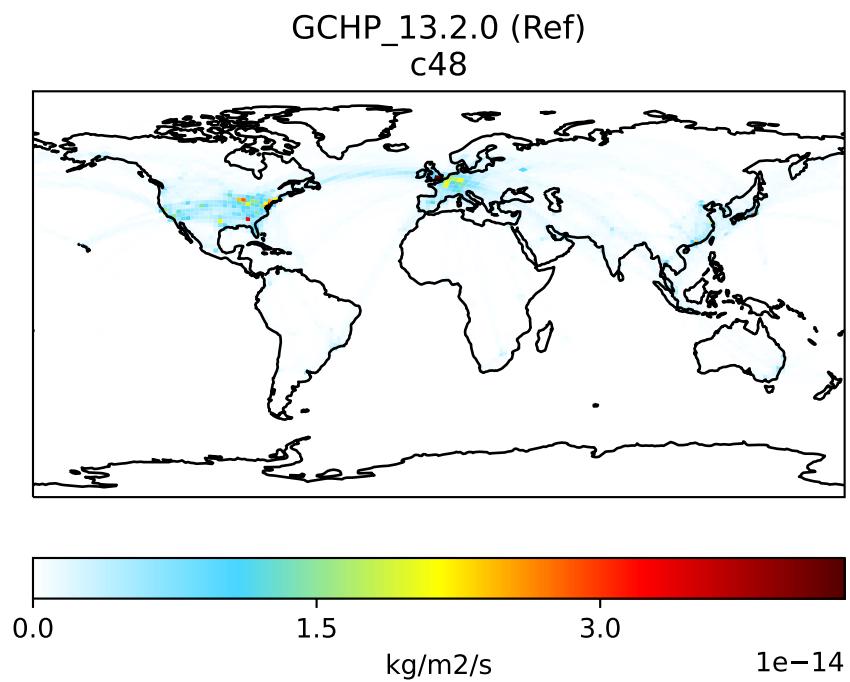
EmisDST3_Natural (Jan2019)



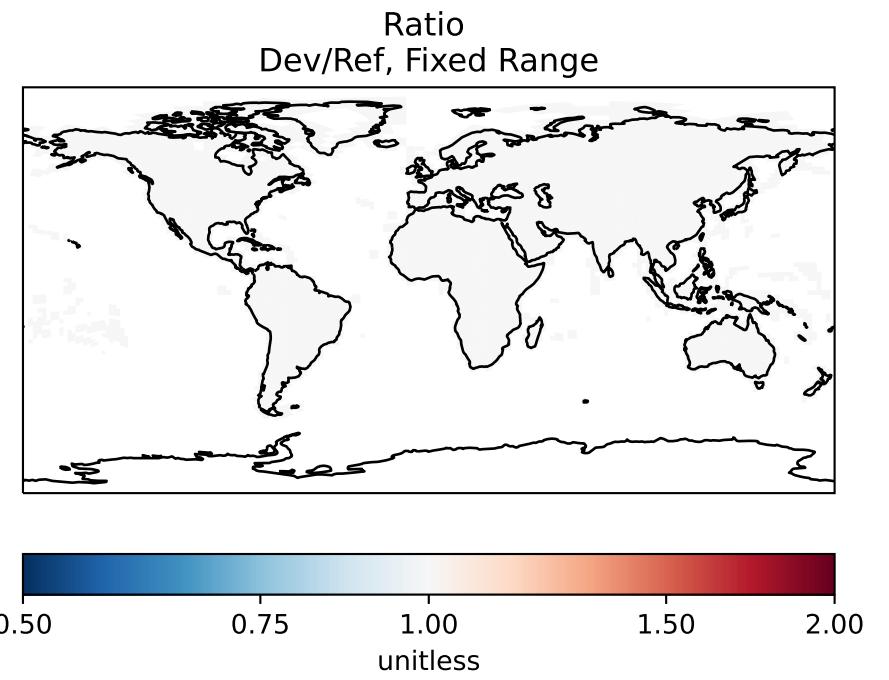
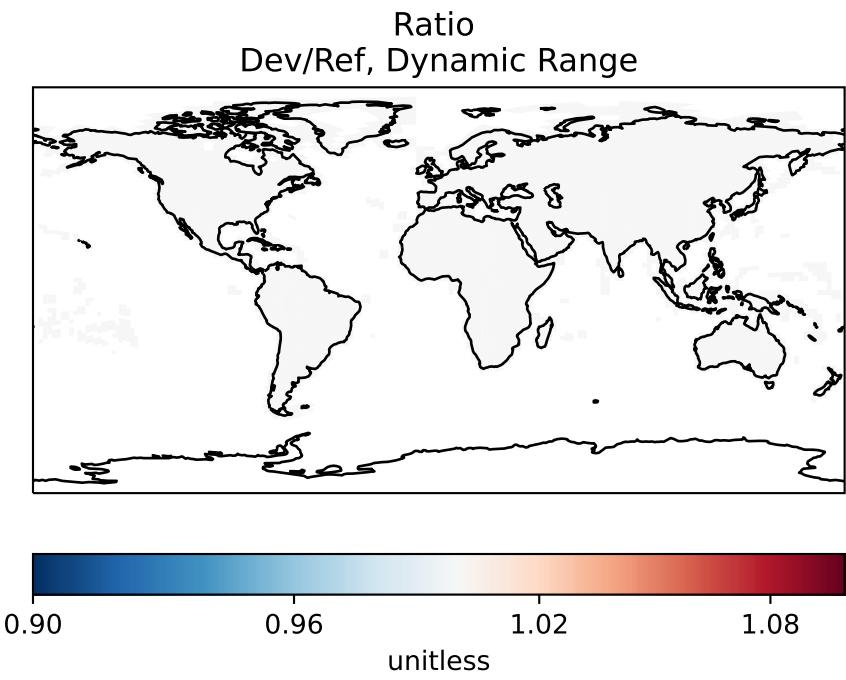
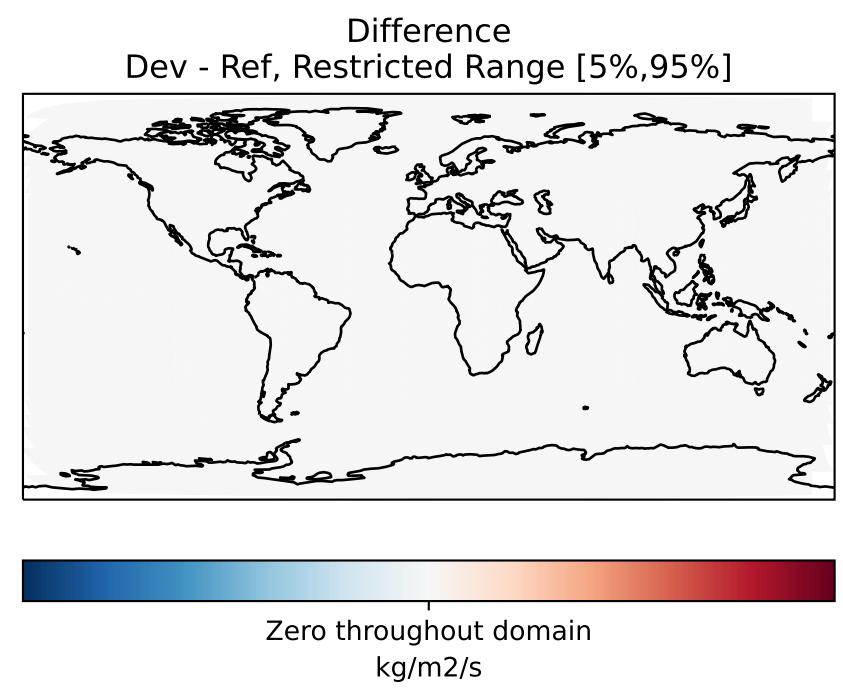
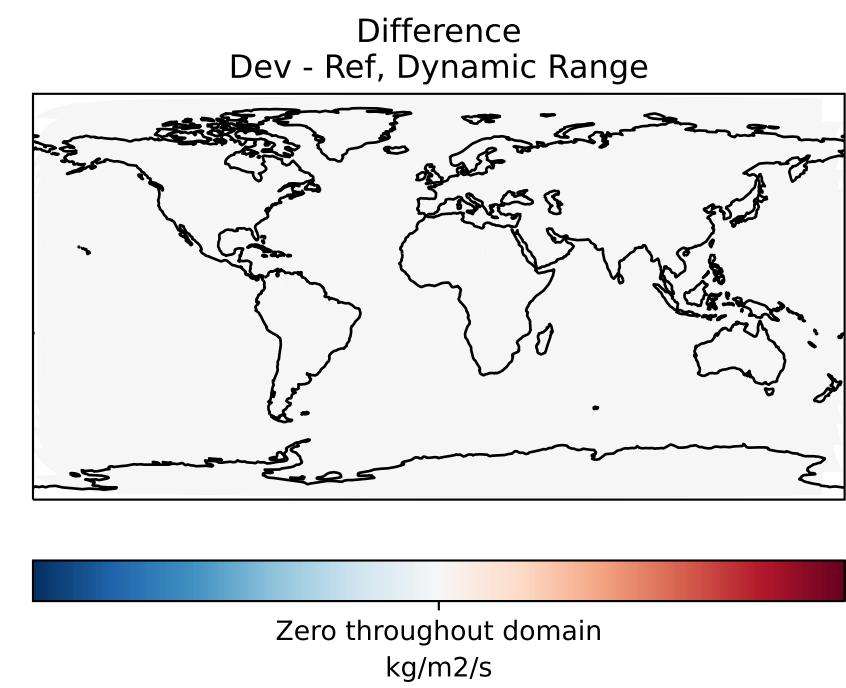
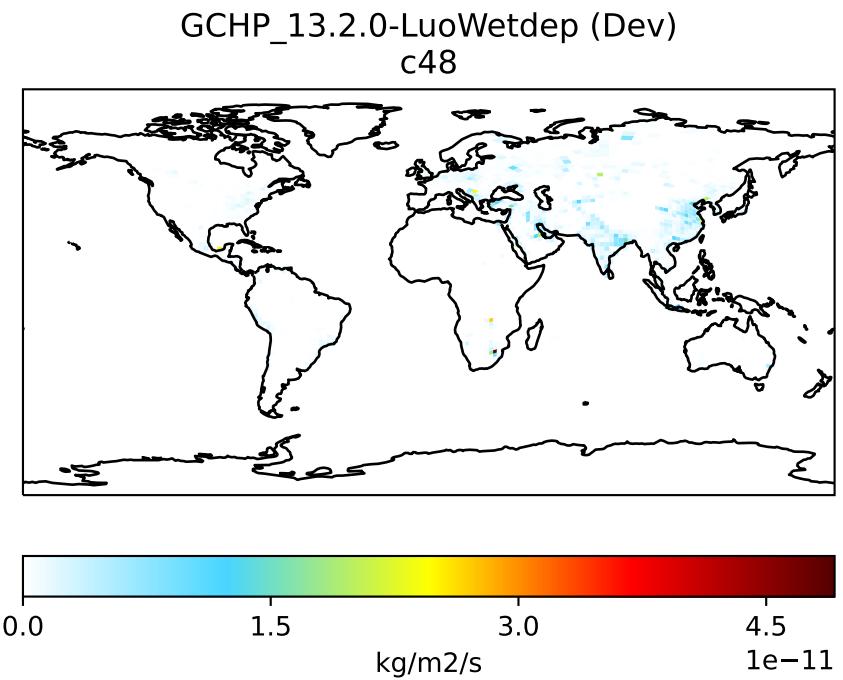
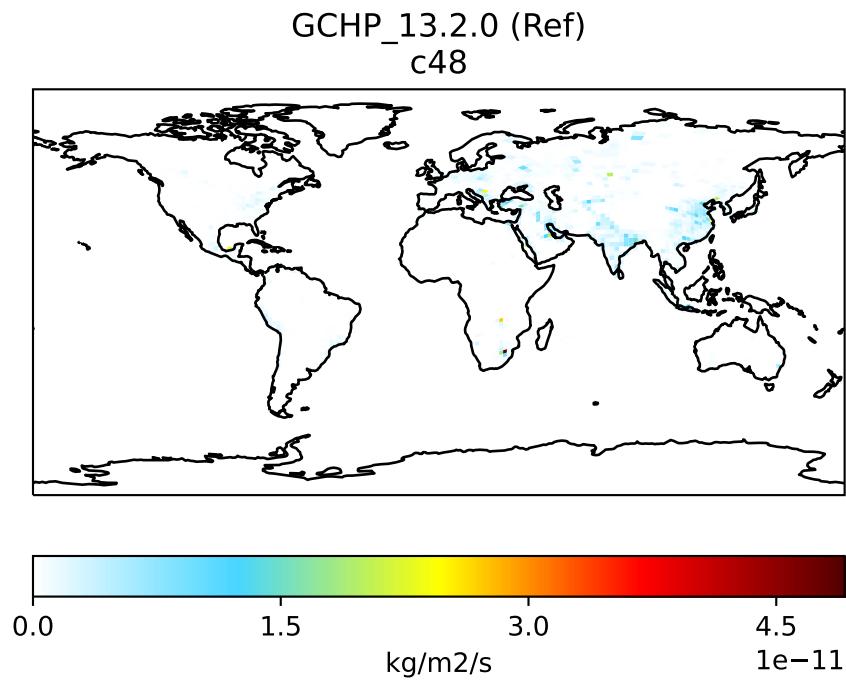
EmisDST4_Natural (Jan2019)



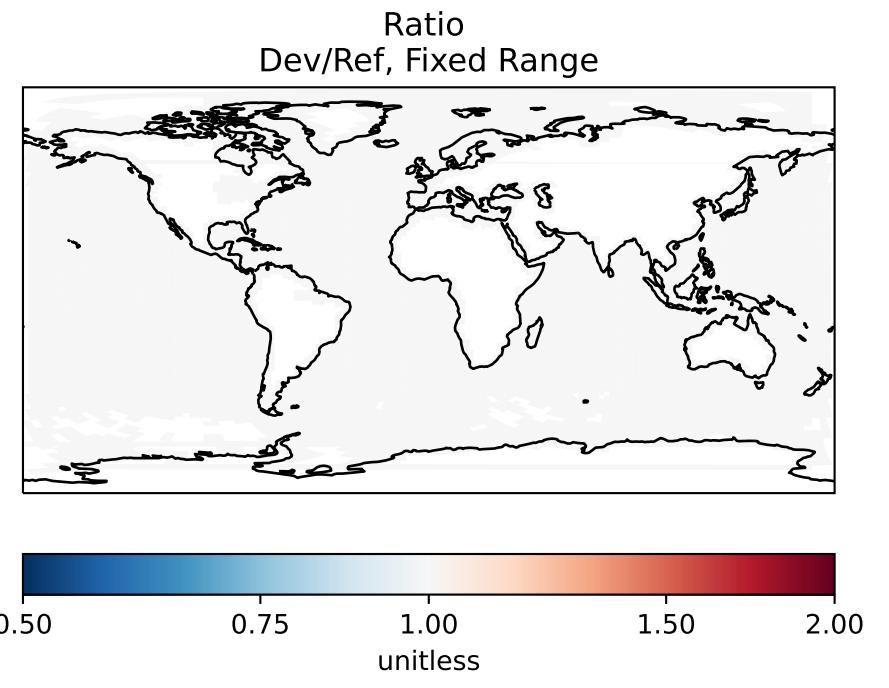
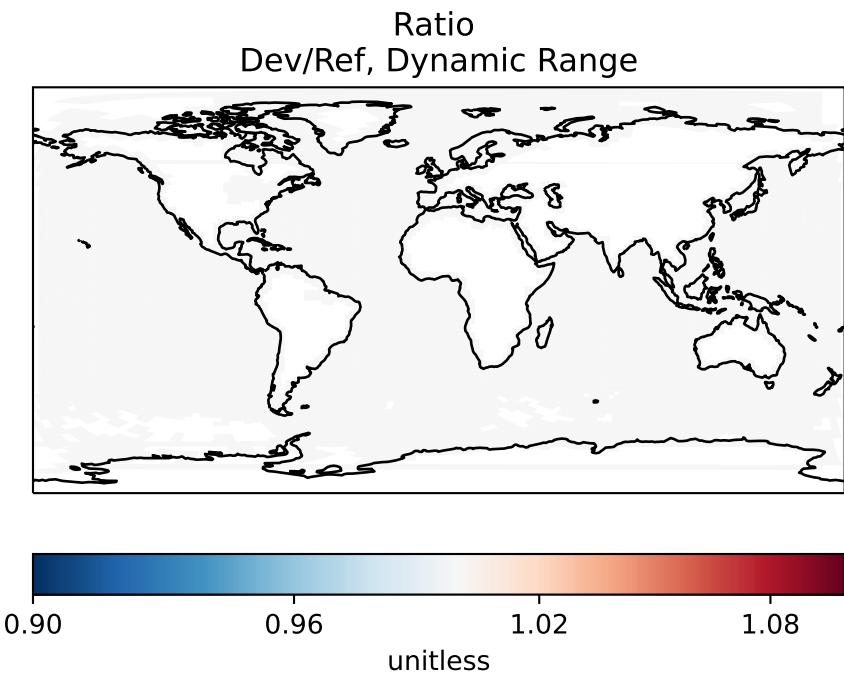
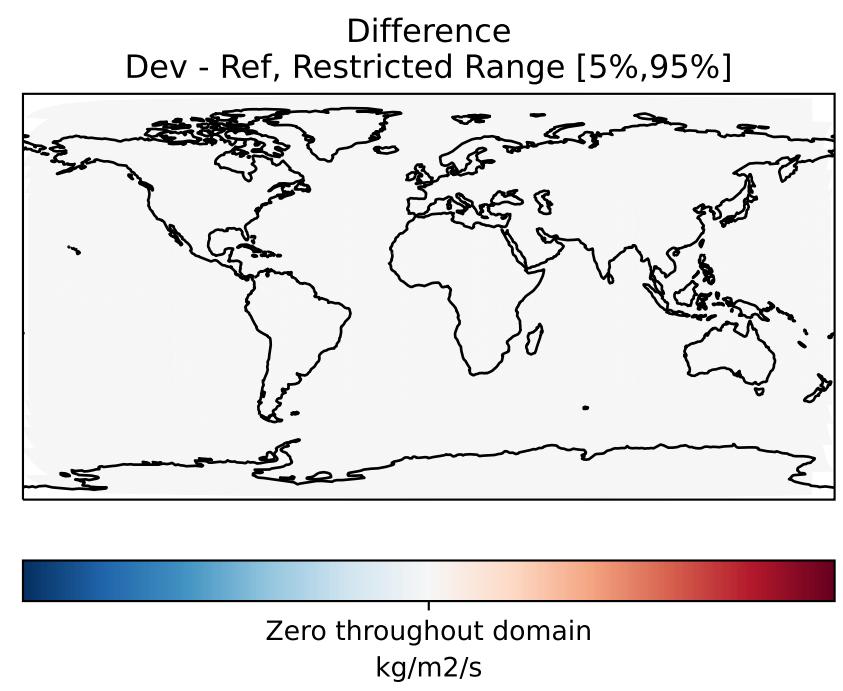
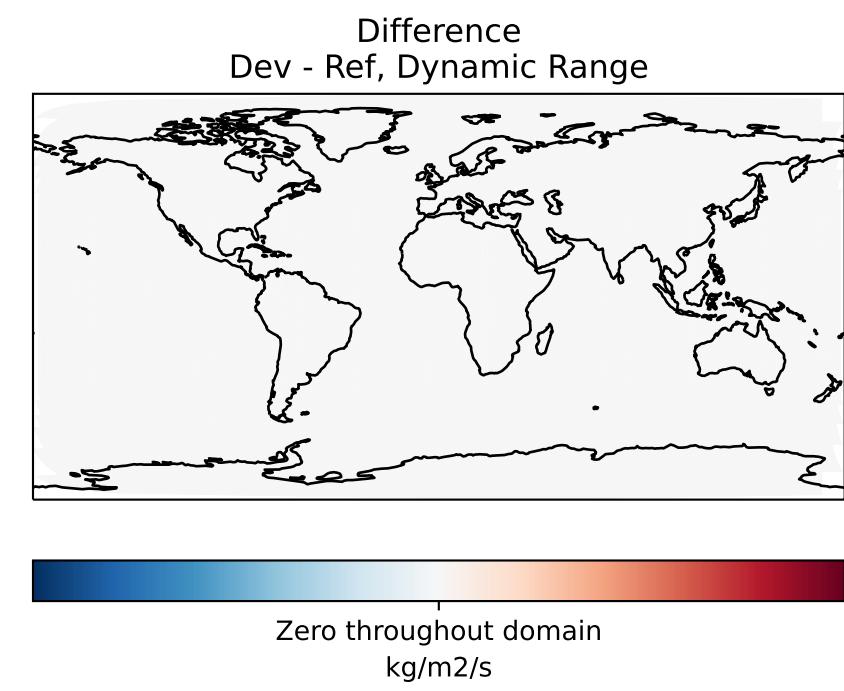
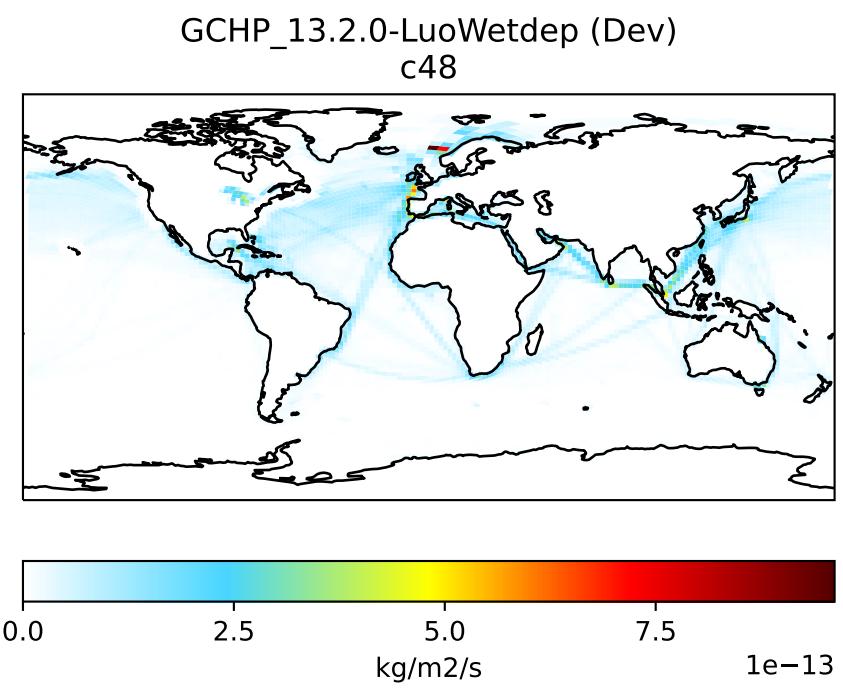
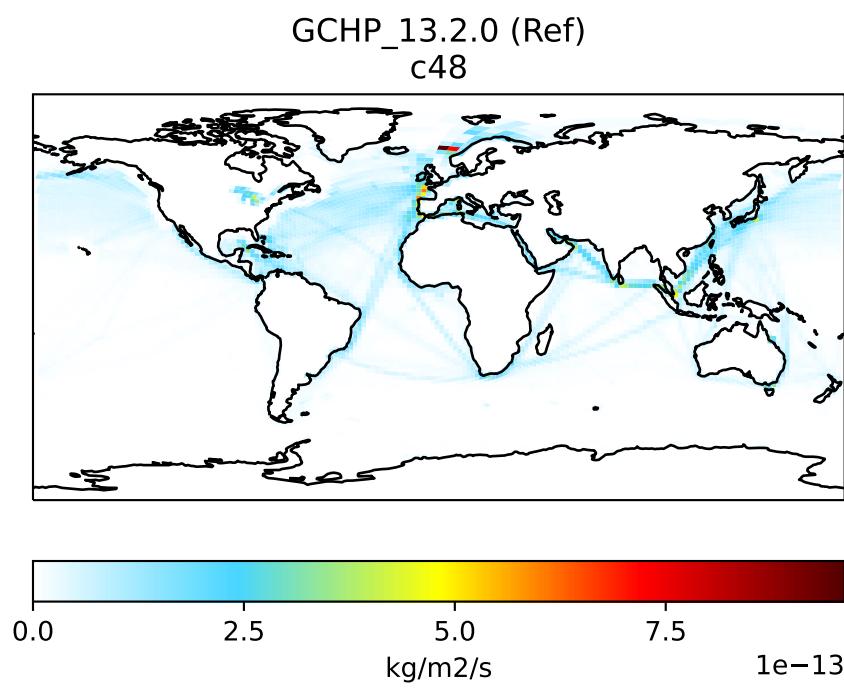
EmisSO4_Aircraft (Jan2019)



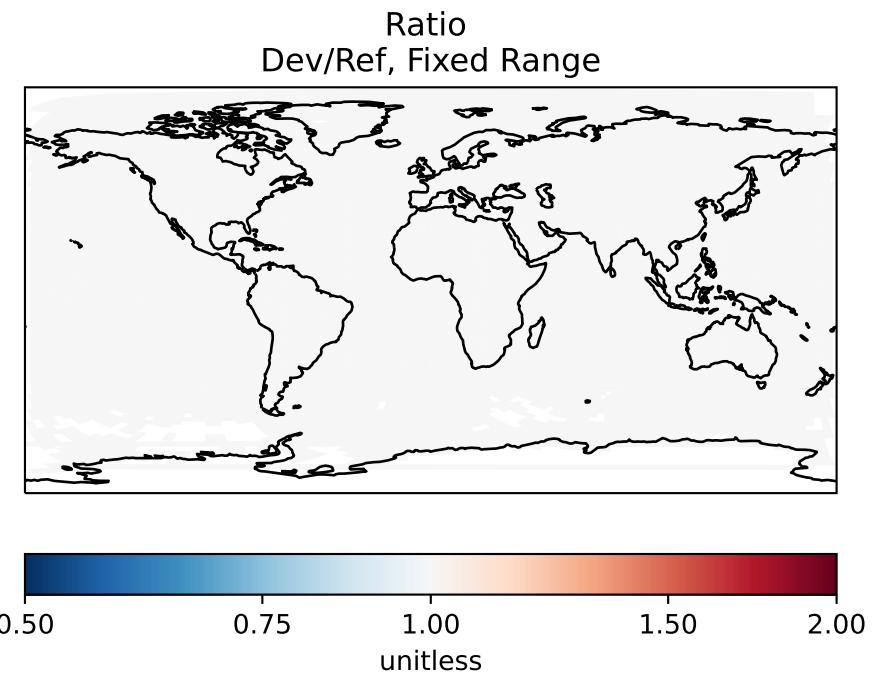
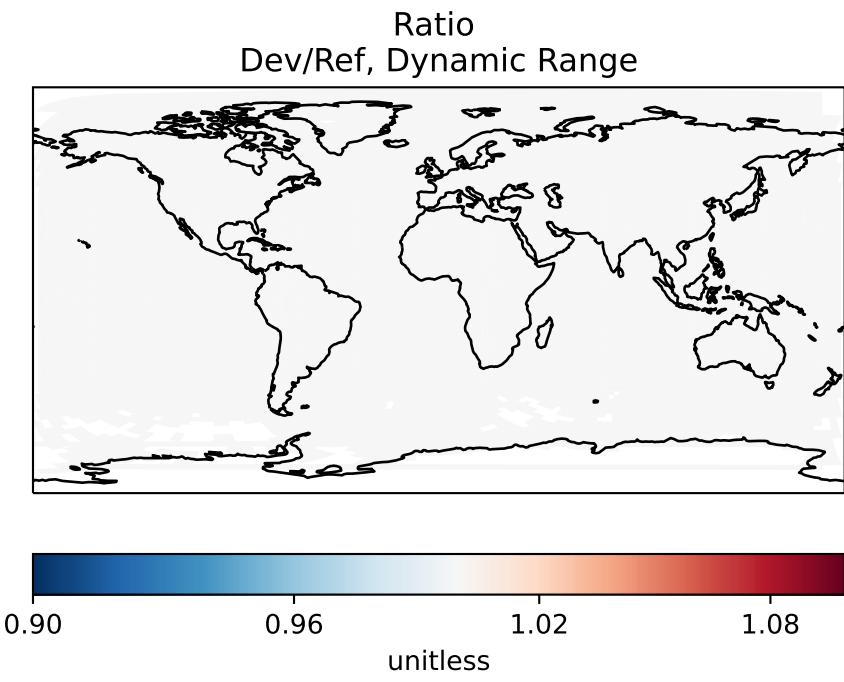
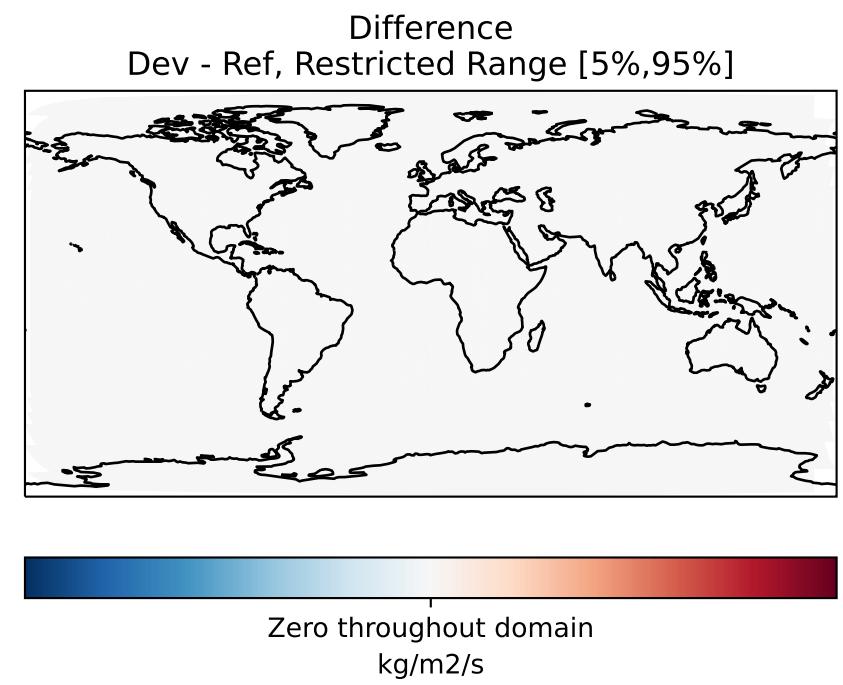
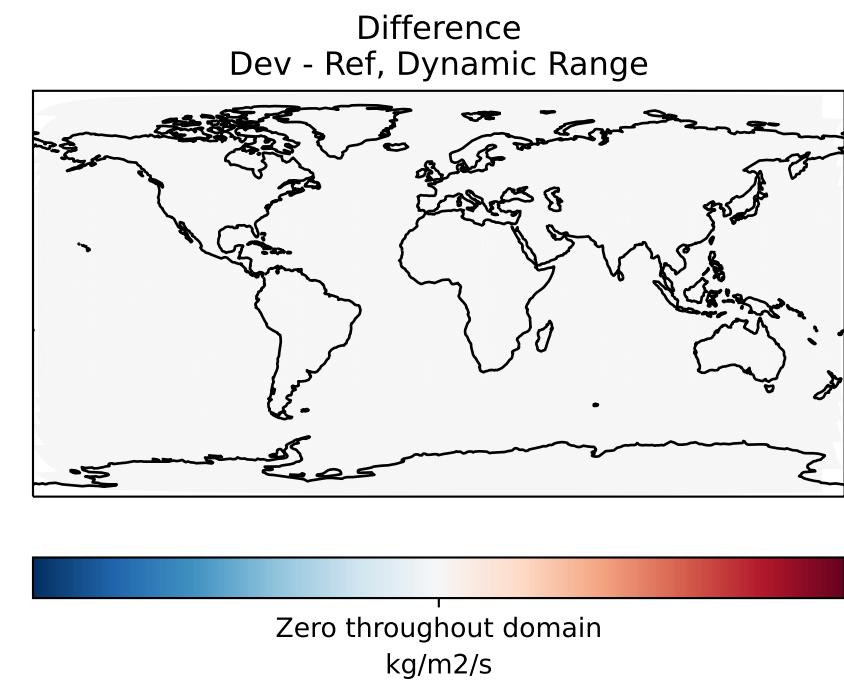
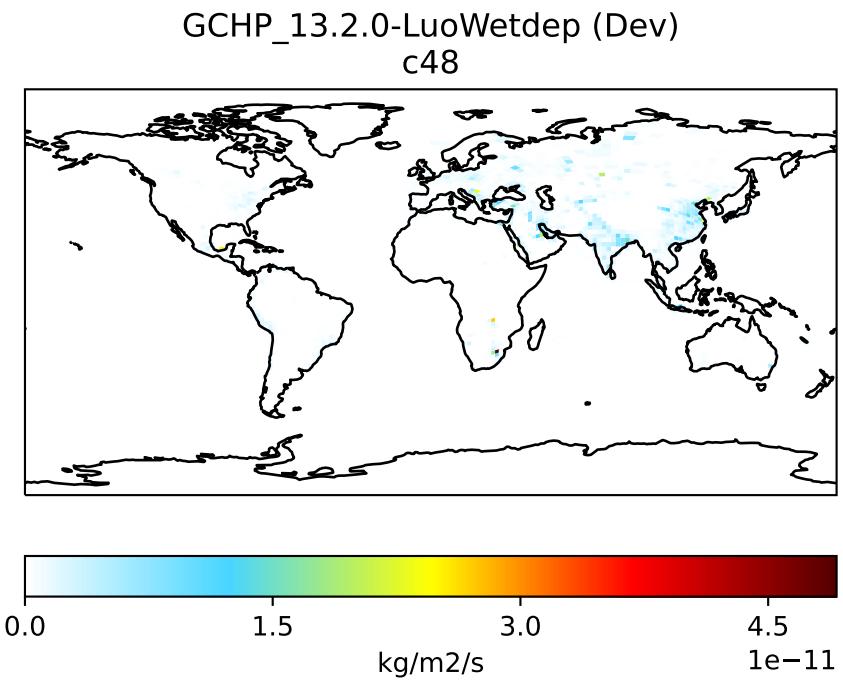
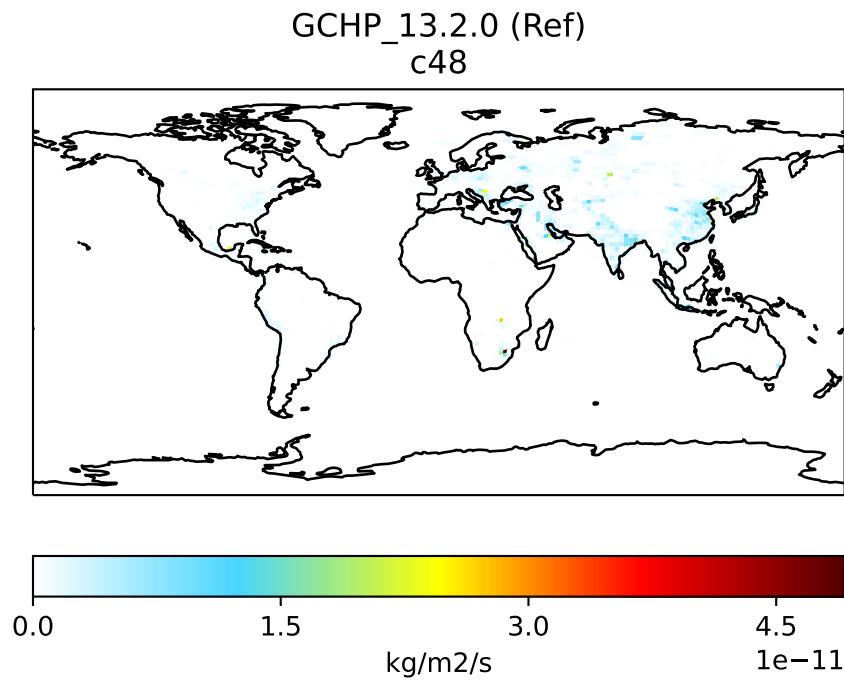
EmisSO4_Anthro (Jan2019)



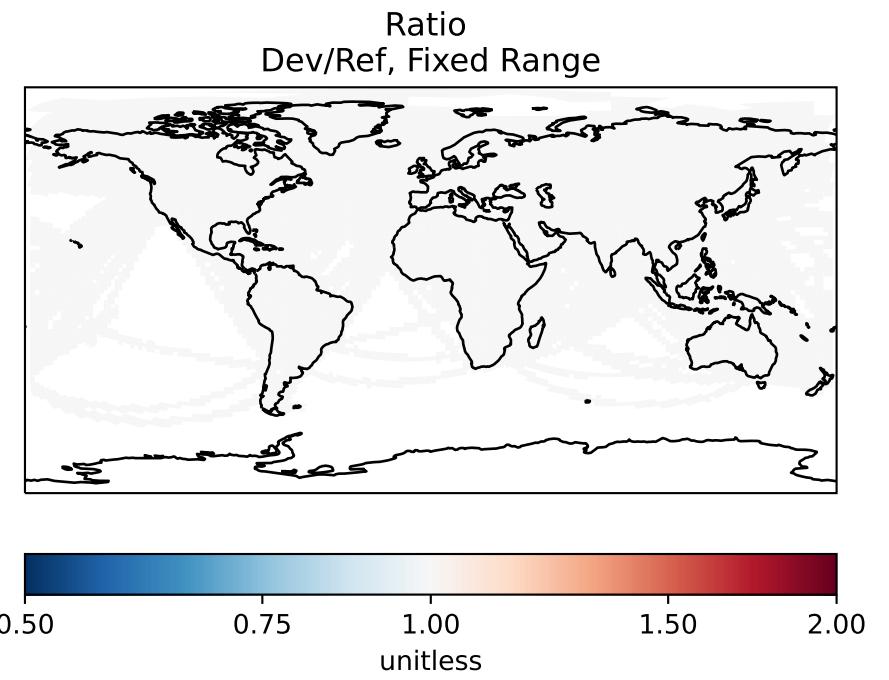
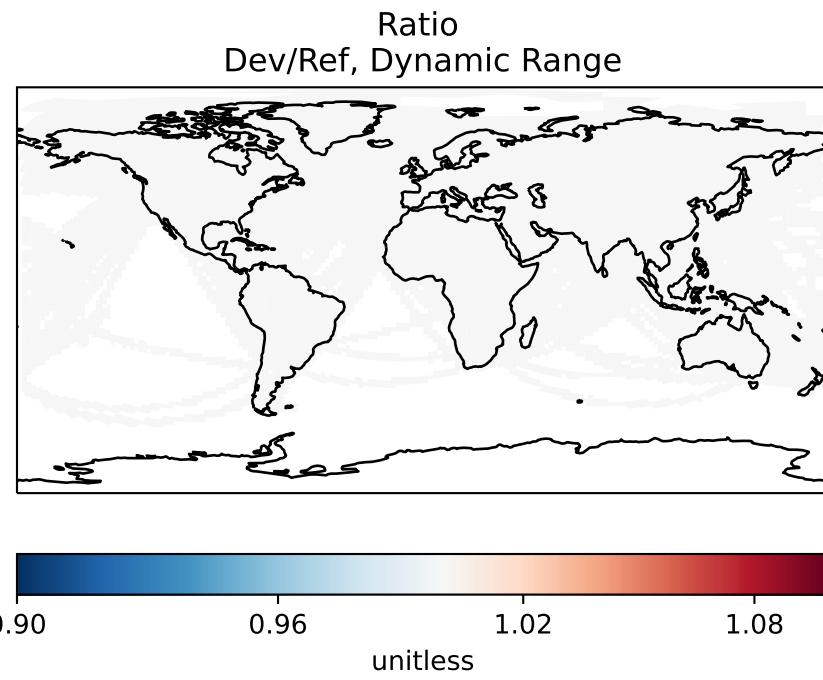
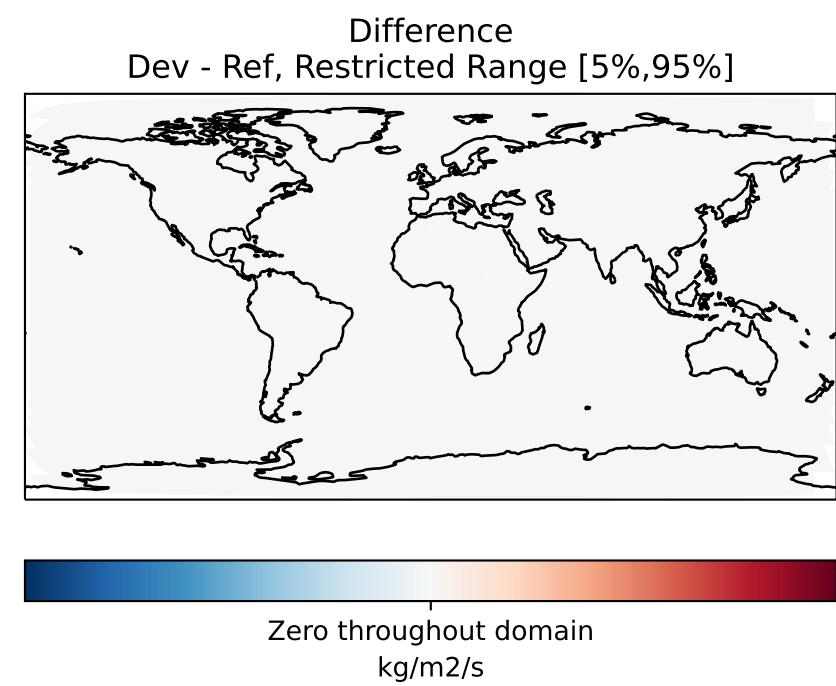
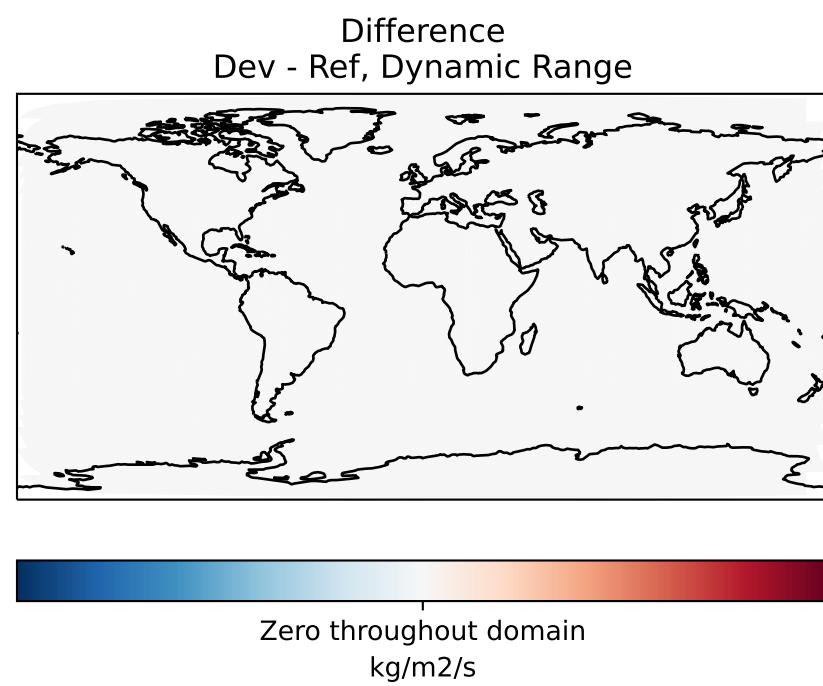
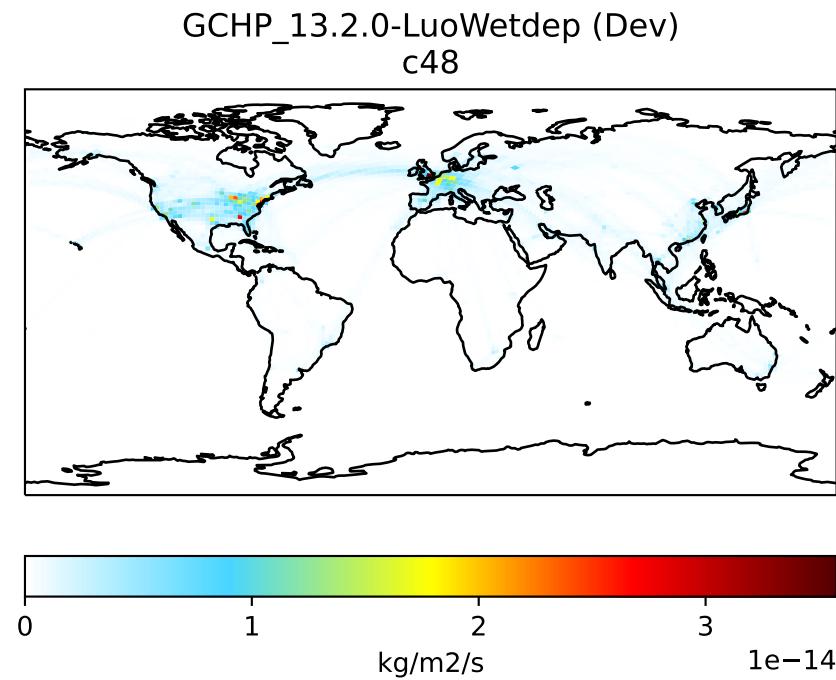
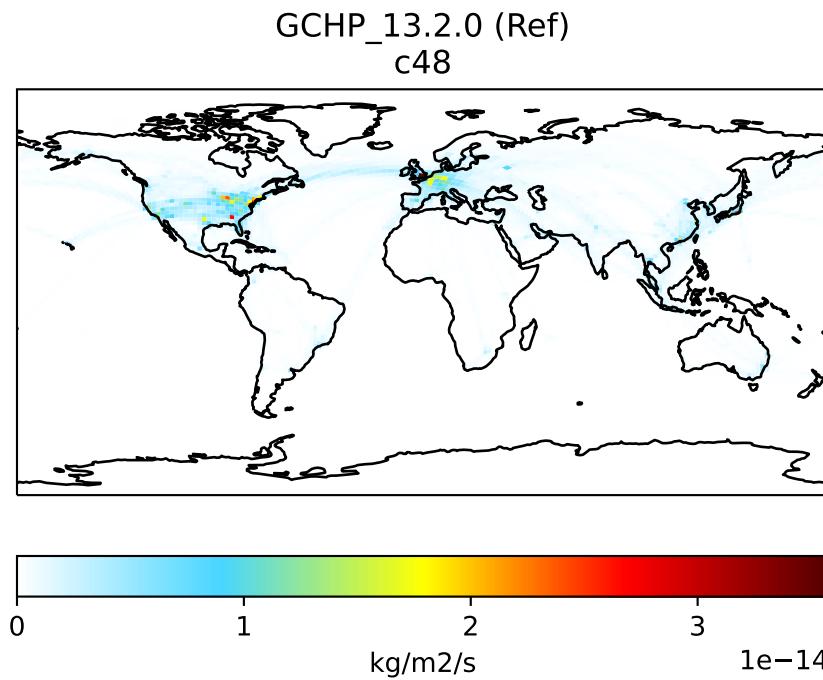
EmisSO4_Ship (Jan2019)



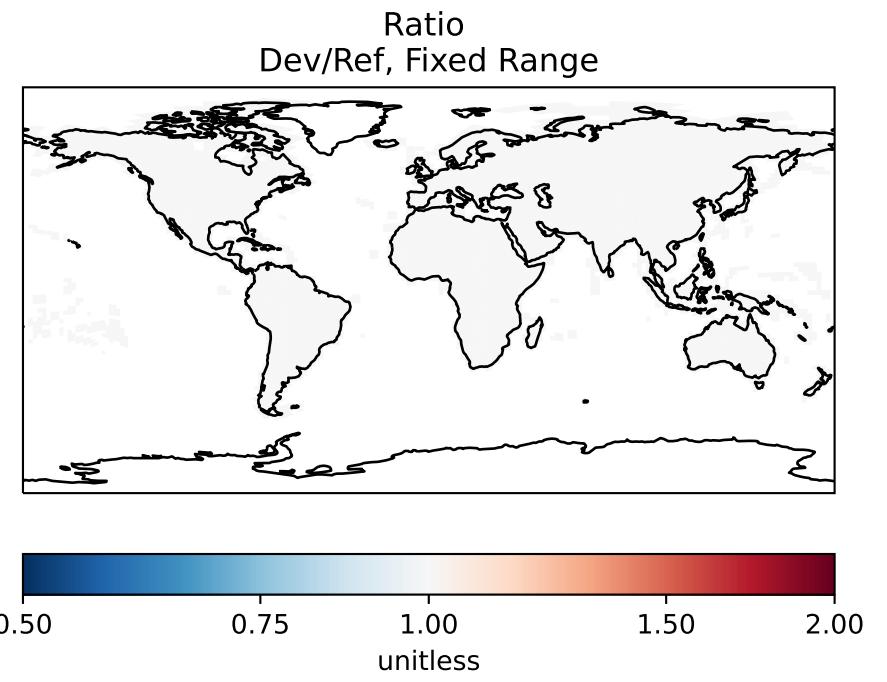
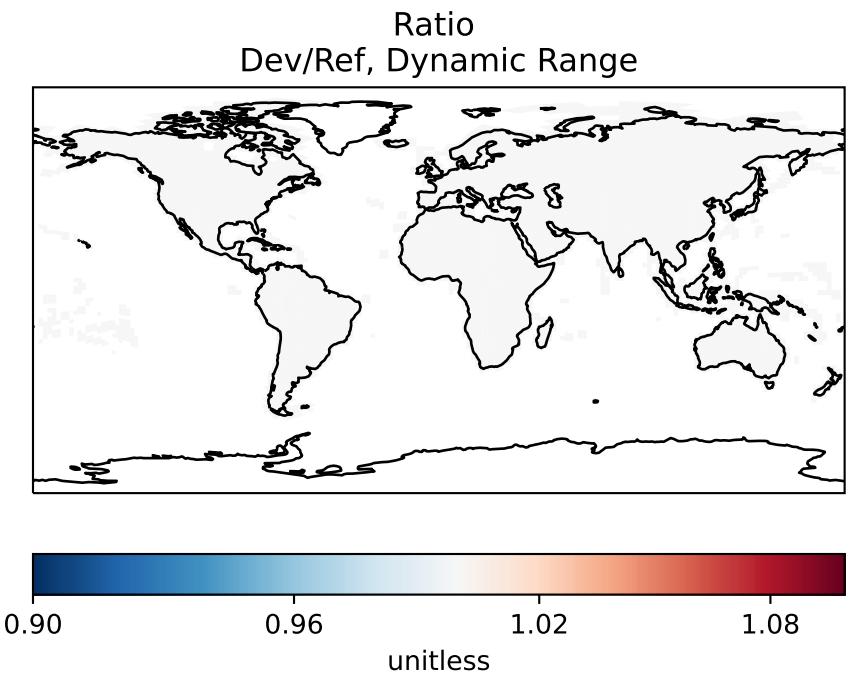
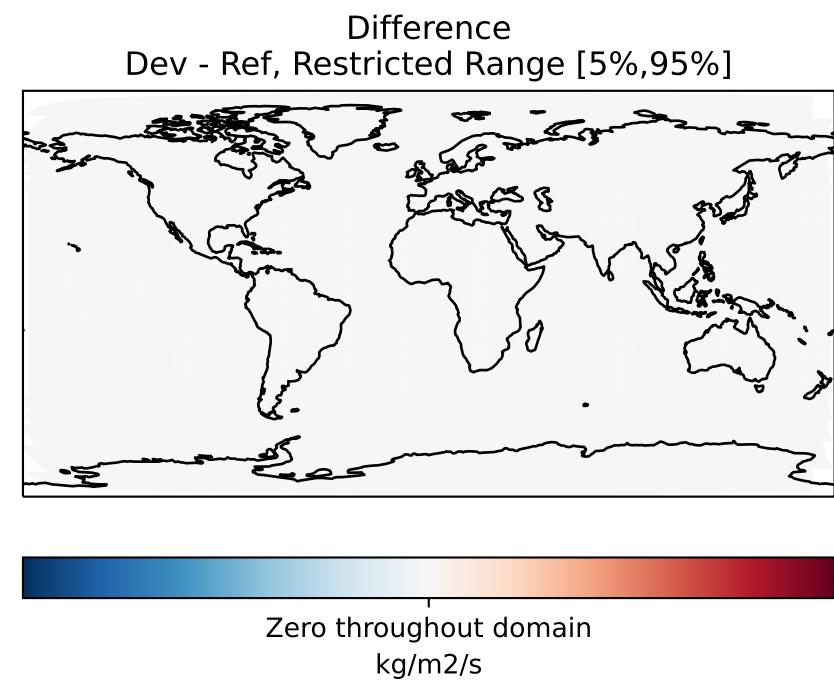
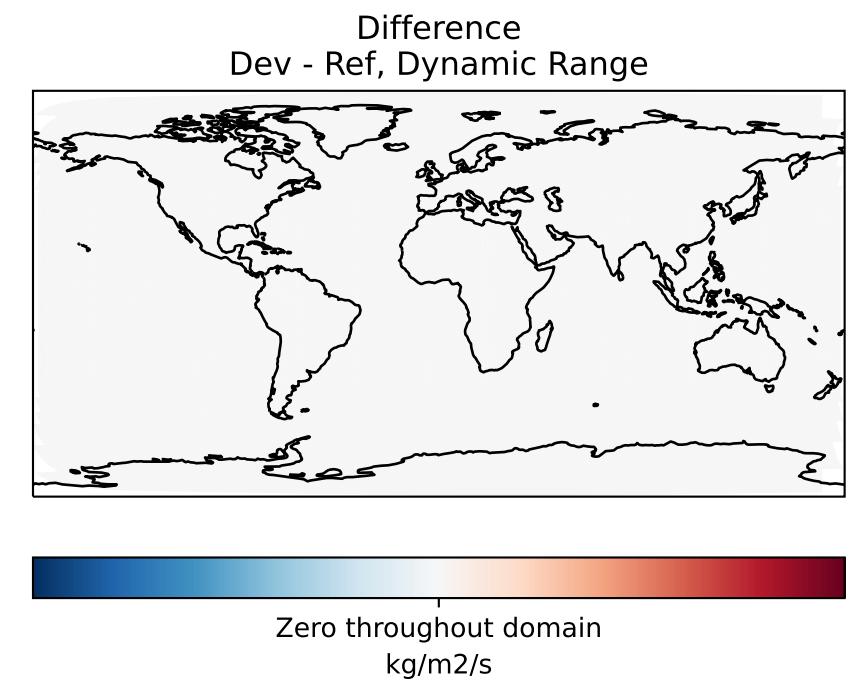
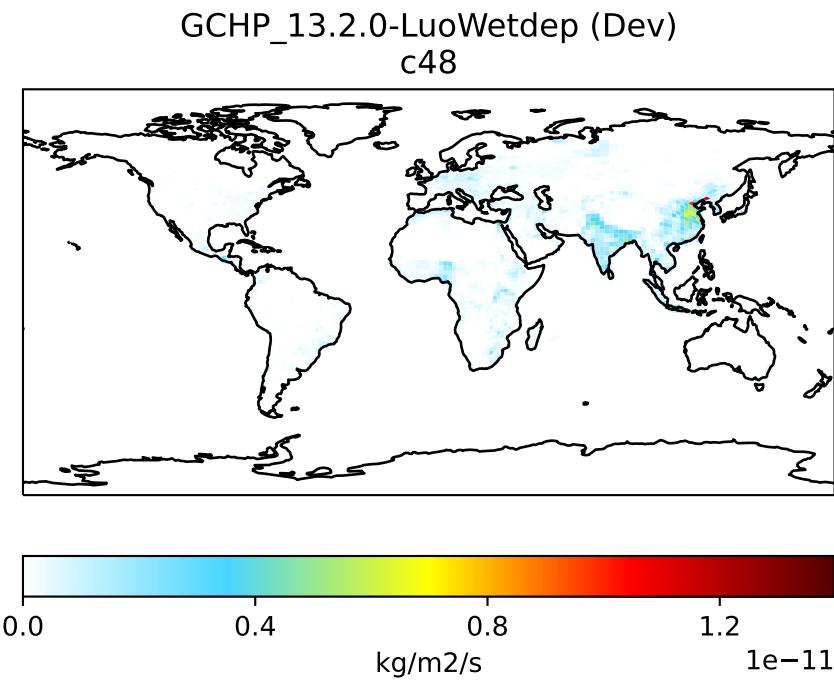
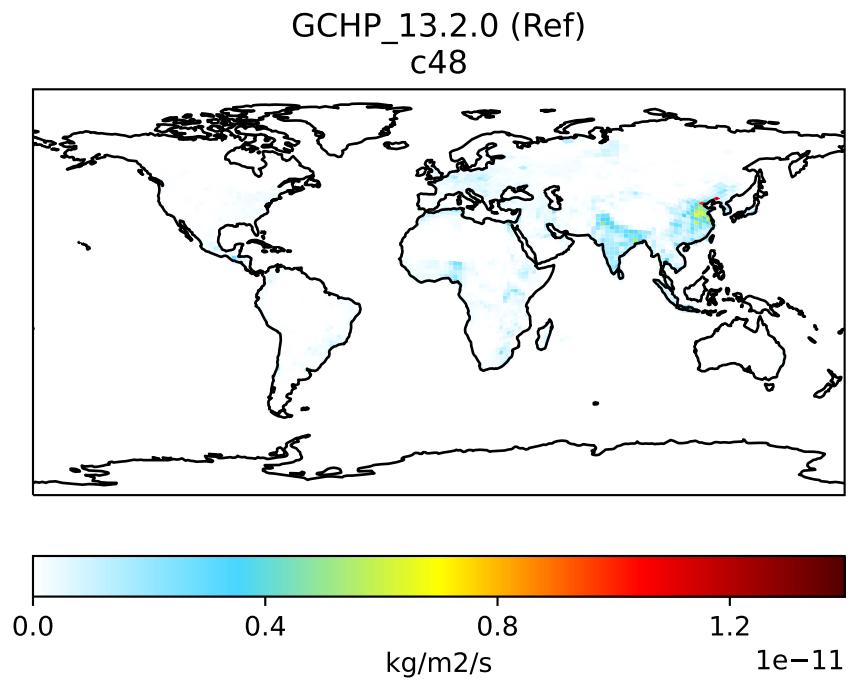
EmisSO4_Total (Jan2019)



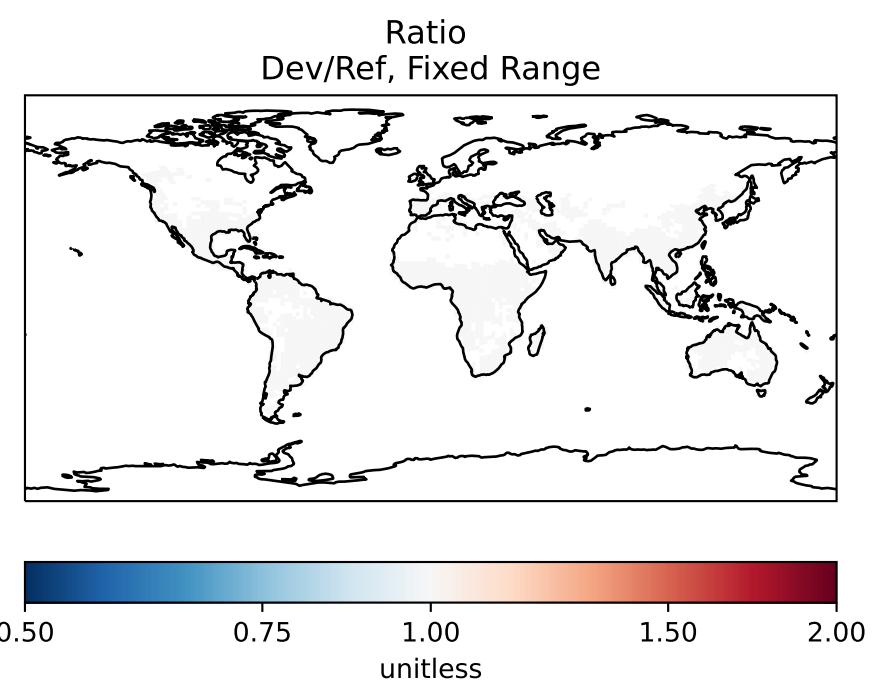
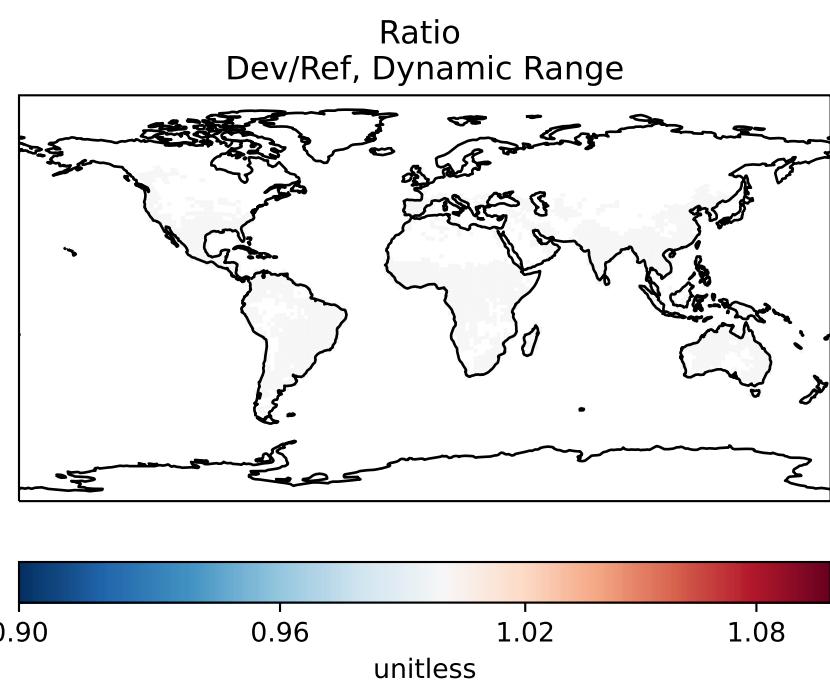
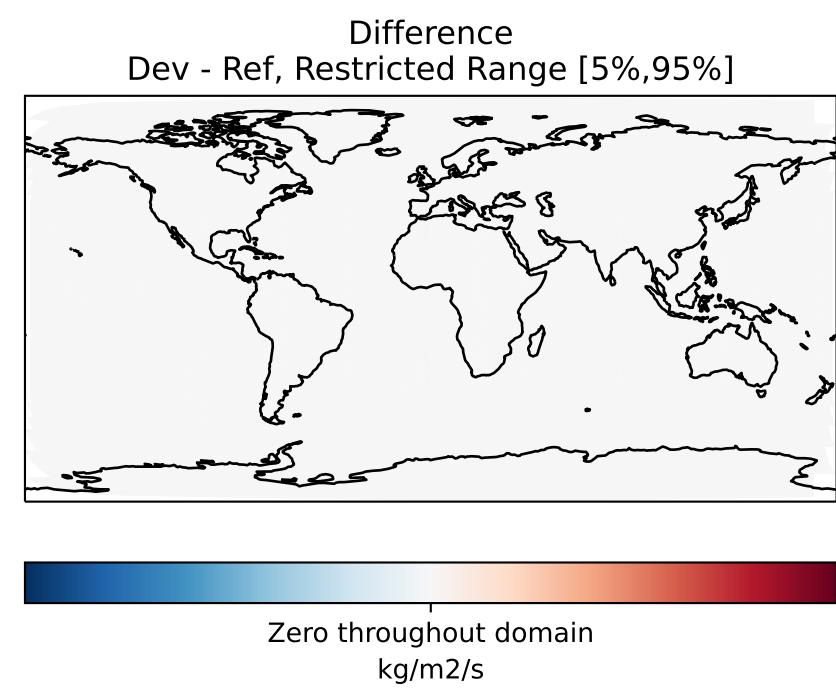
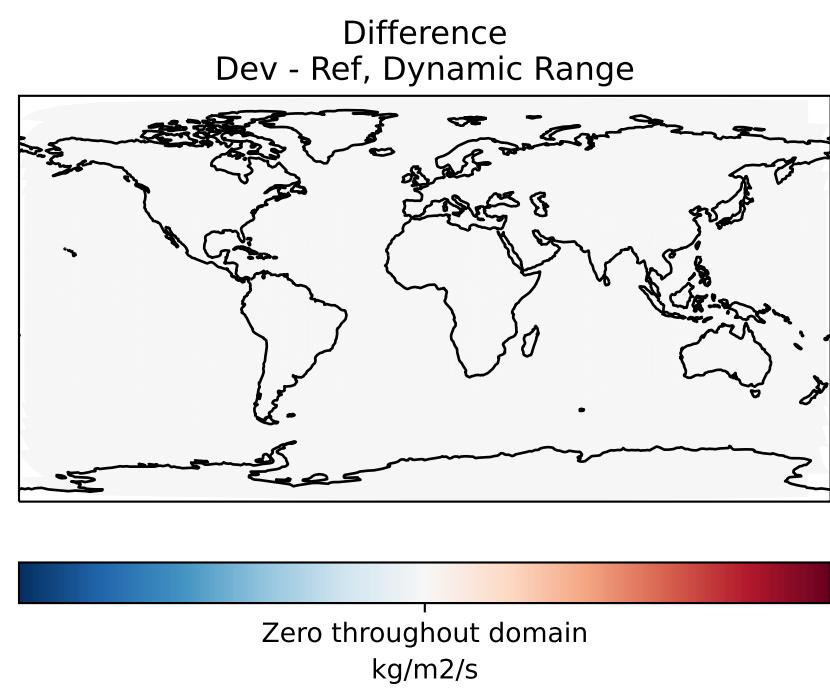
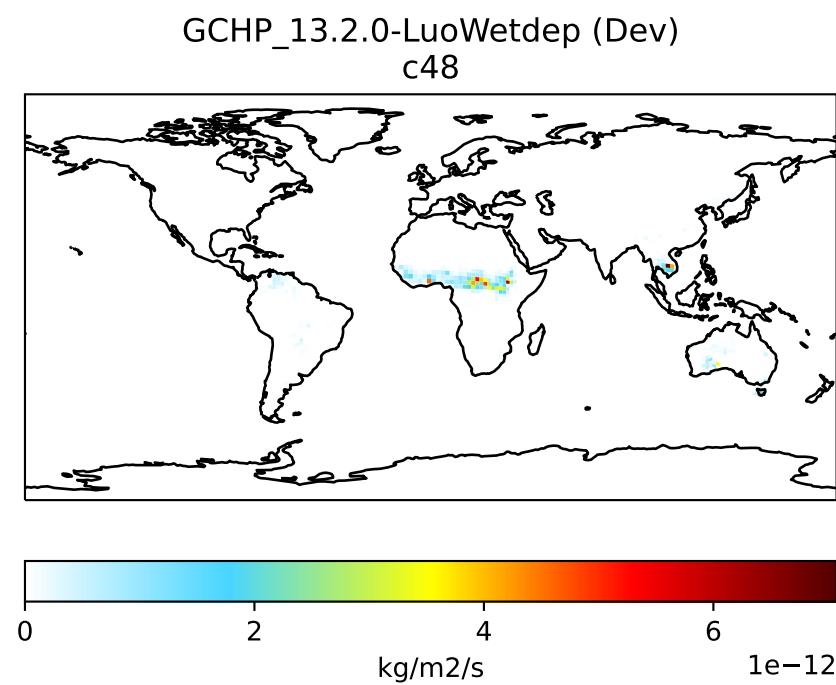
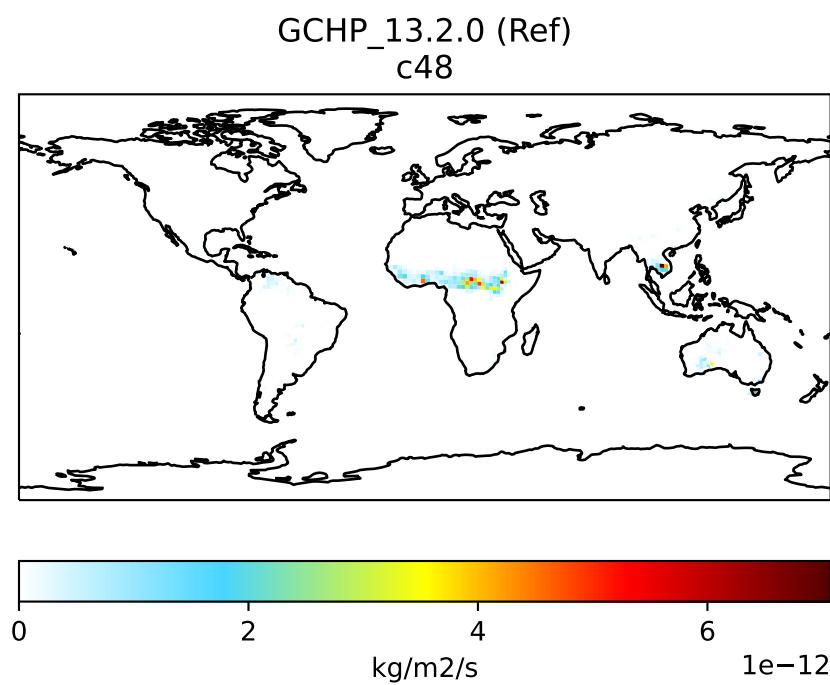
EmisBCPI_Aircraft (Jan2019)



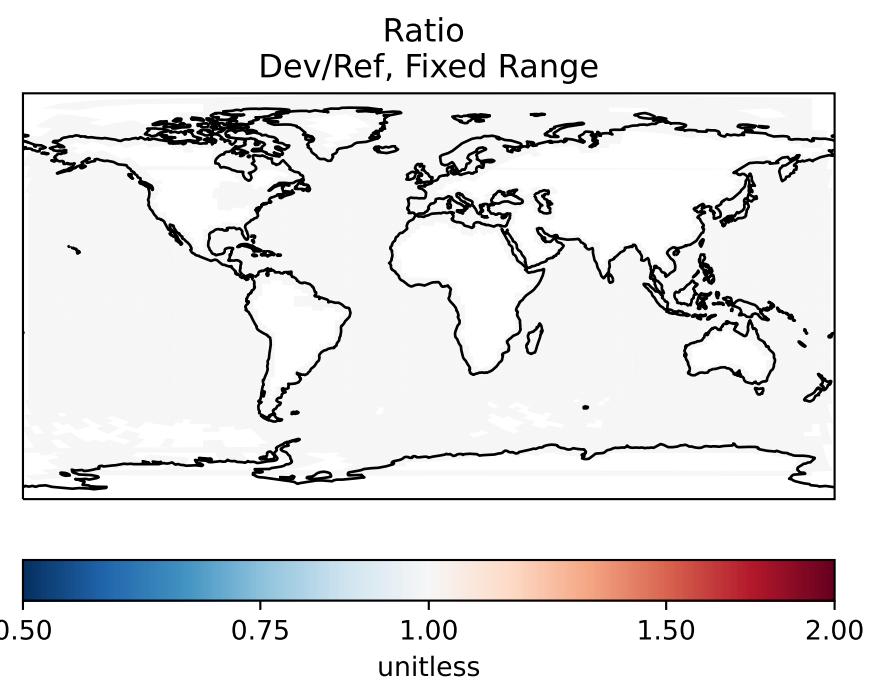
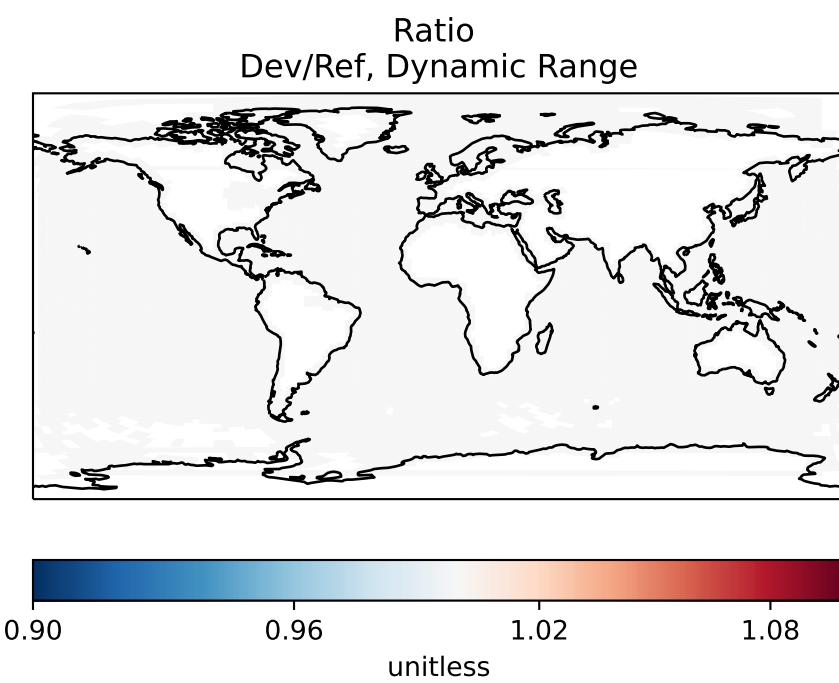
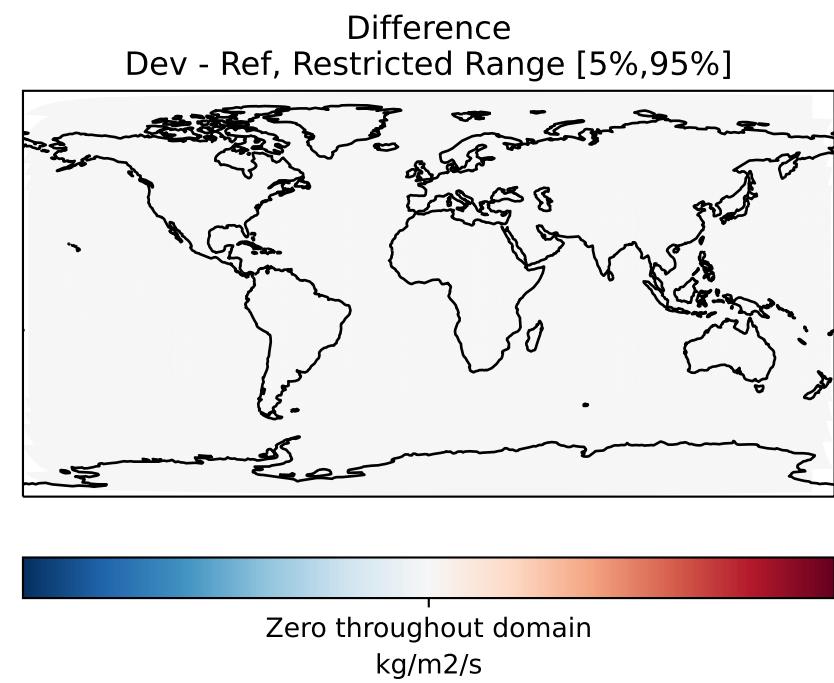
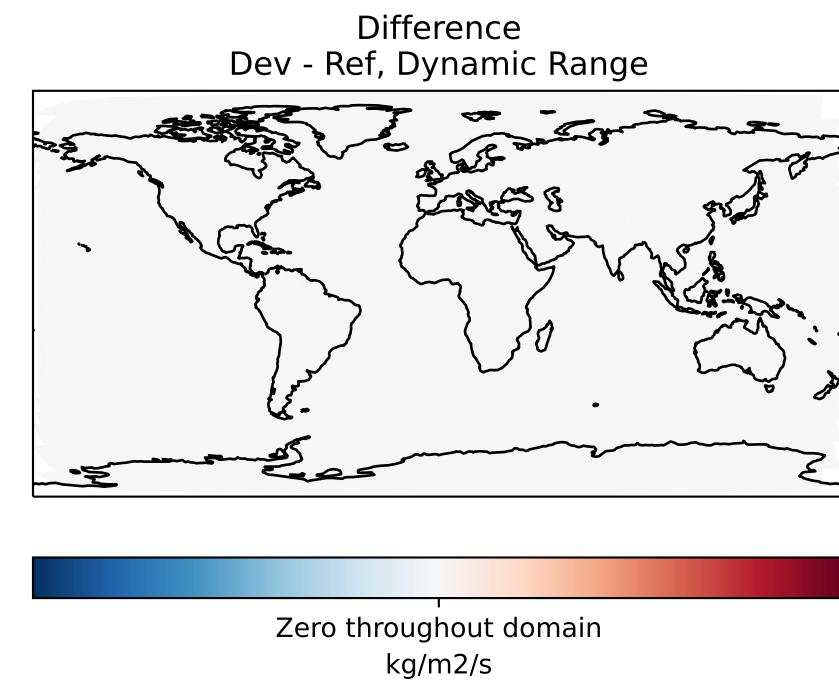
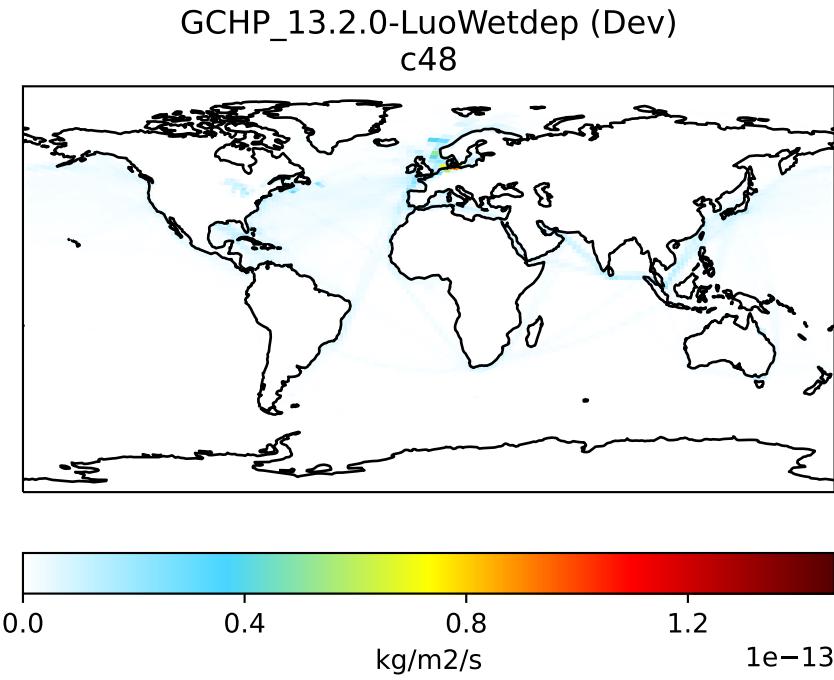
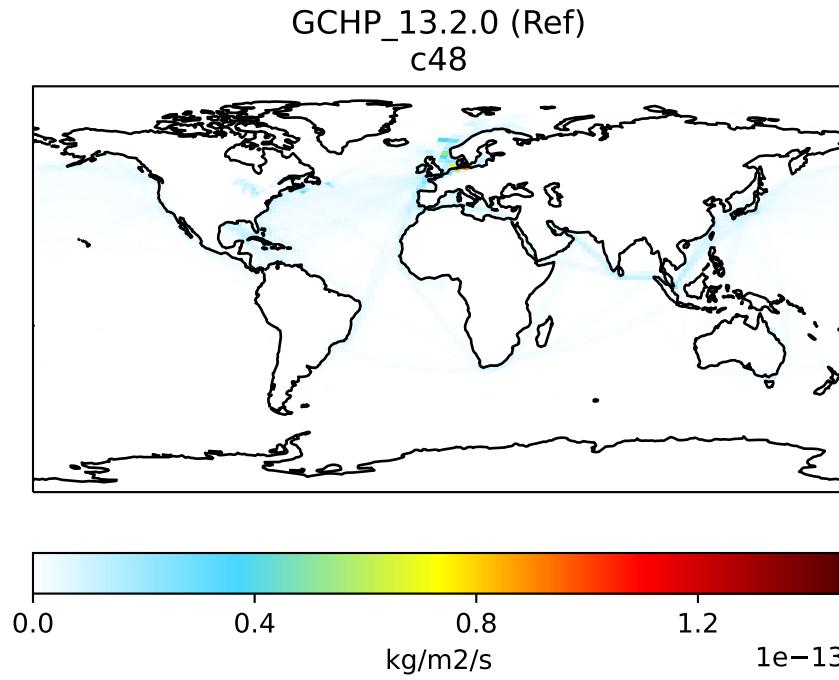
EmisBCPI_Anthro (Jan2019)



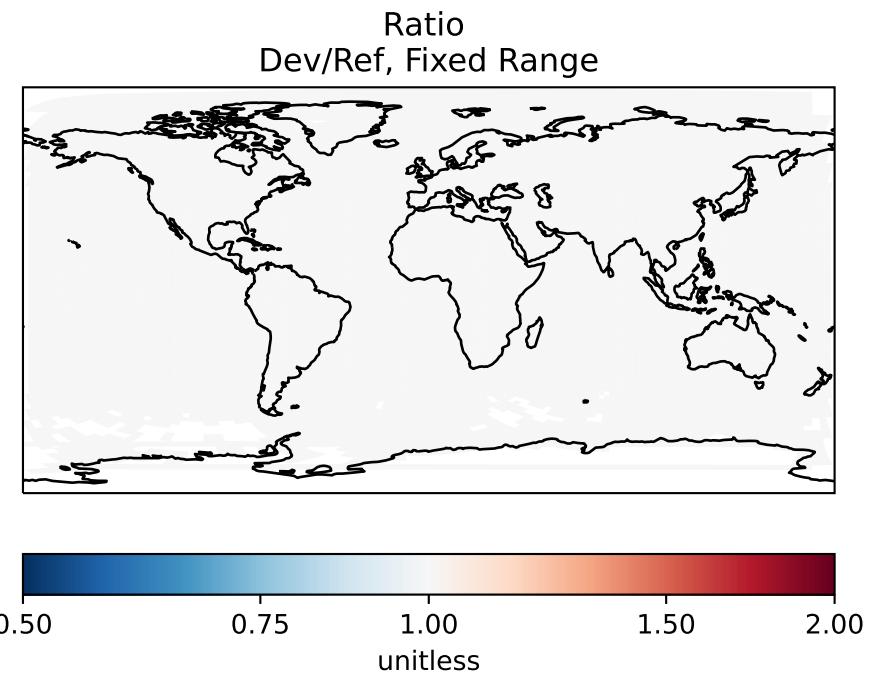
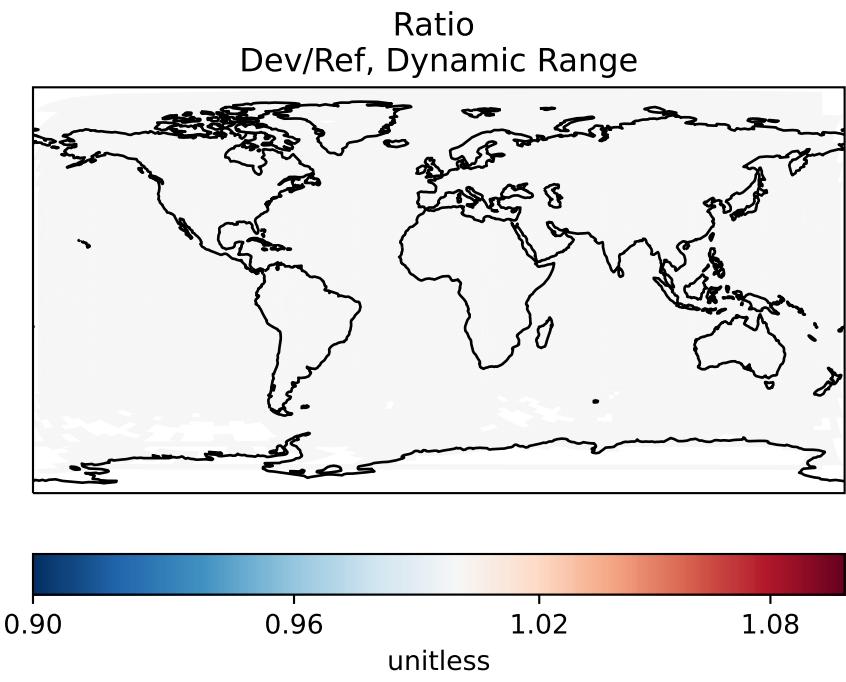
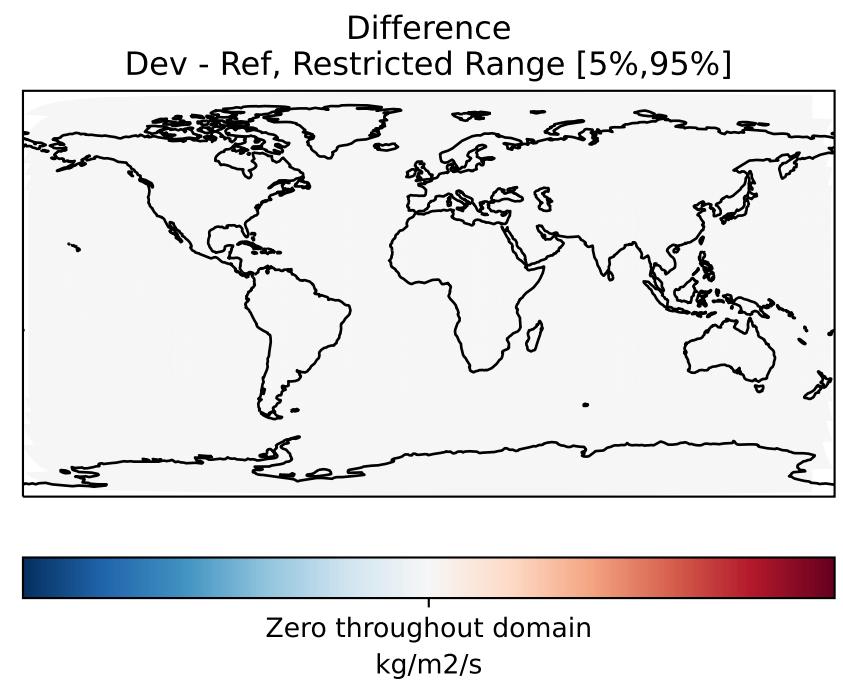
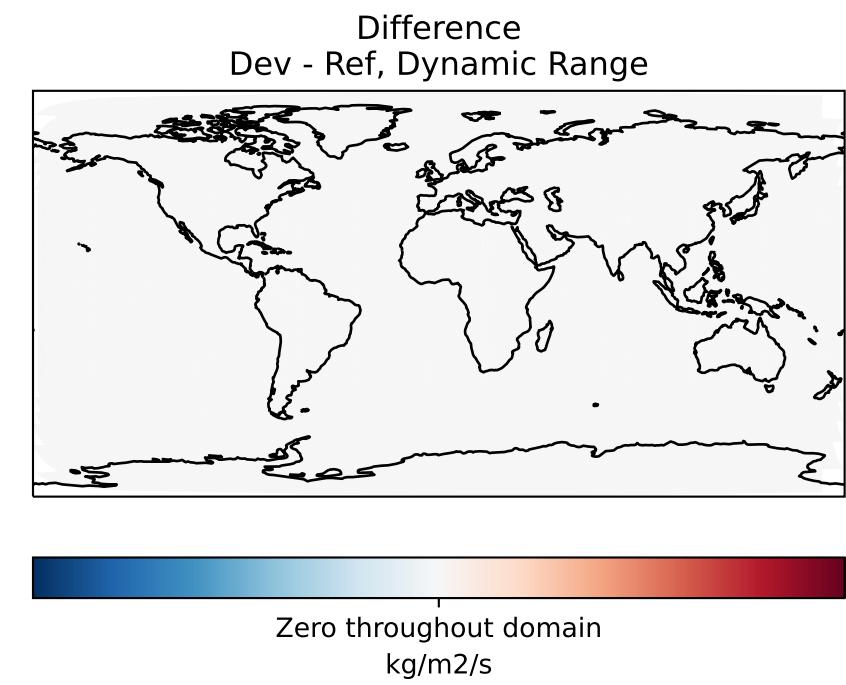
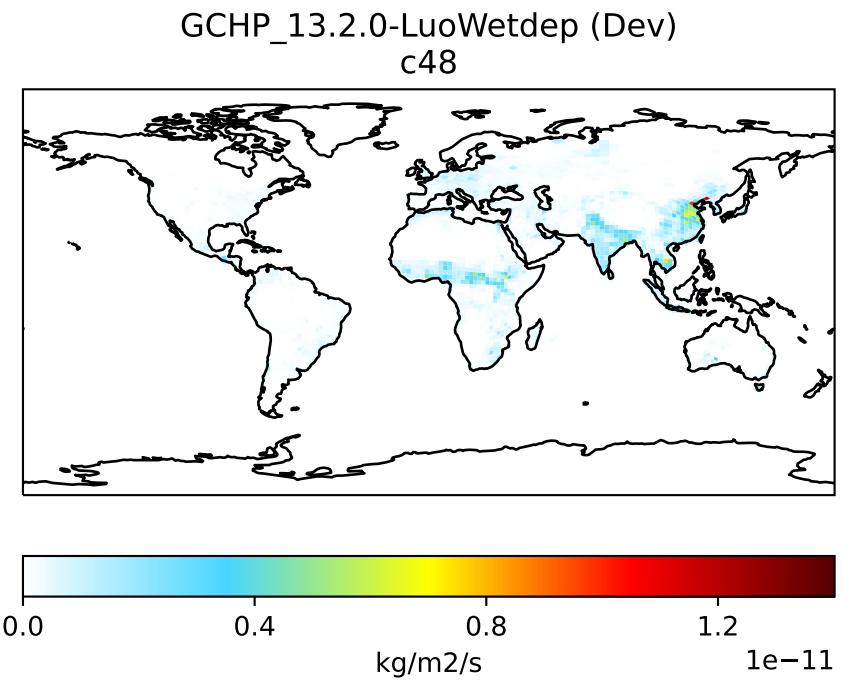
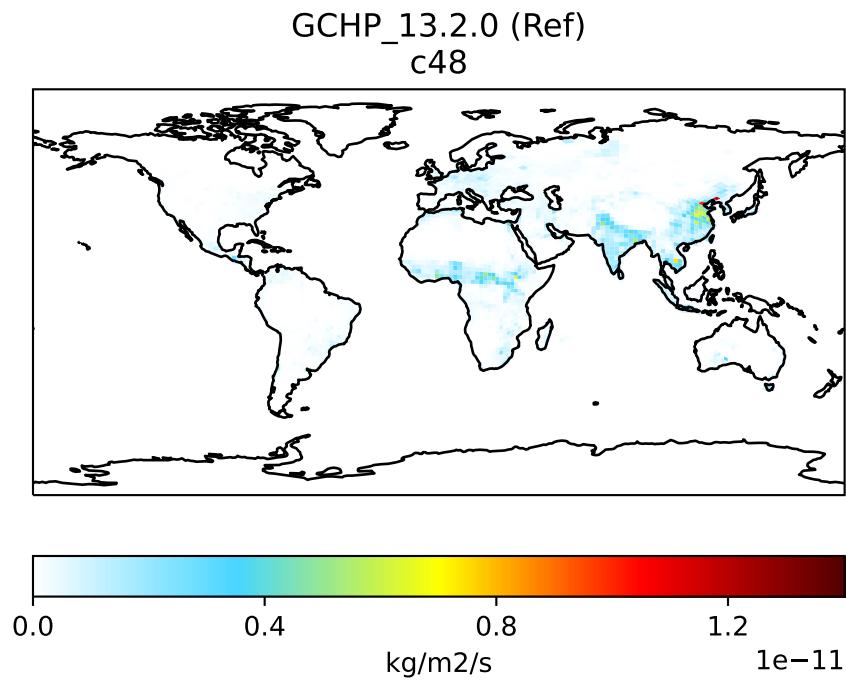
EmisBCPI_BioBurn (Jan2019)



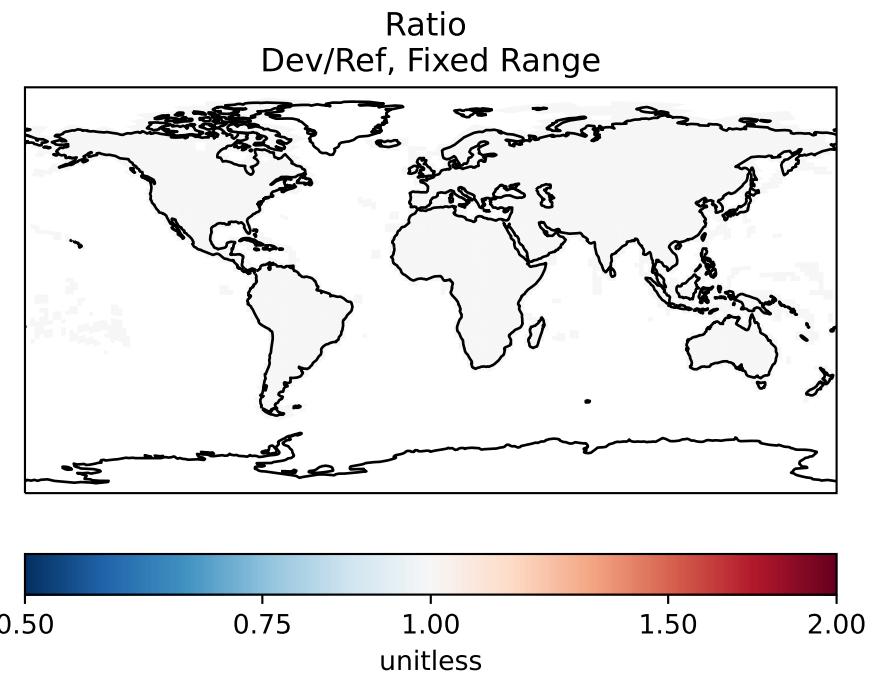
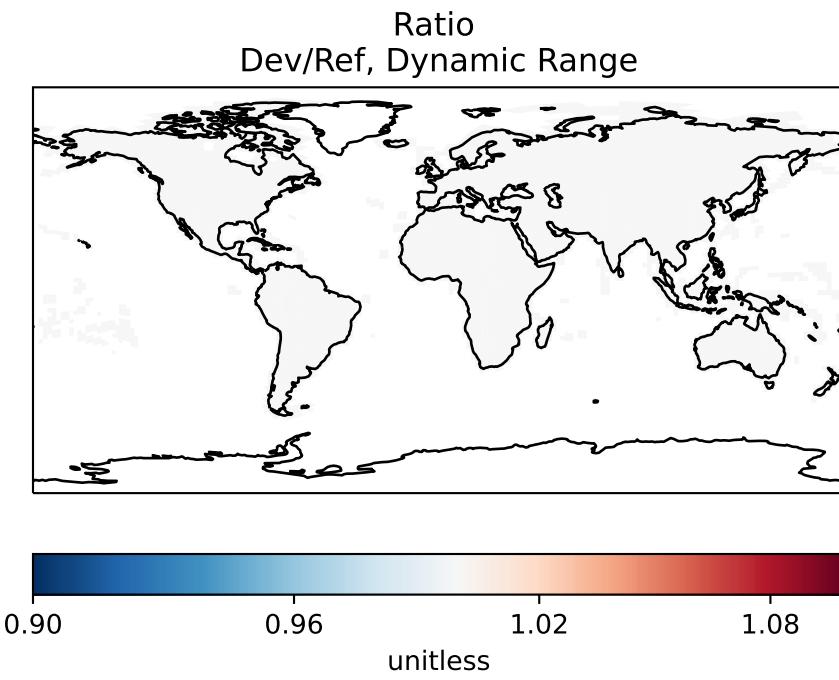
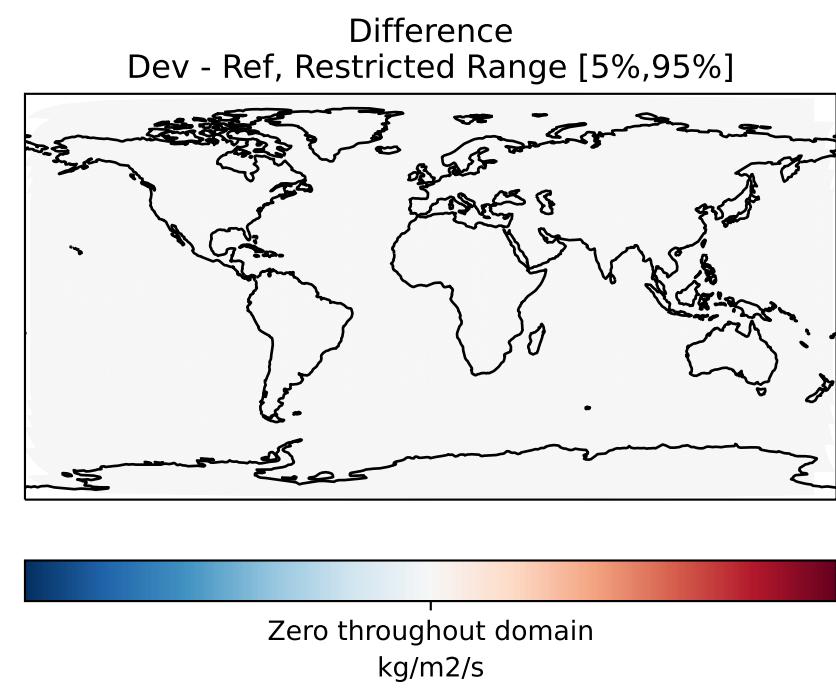
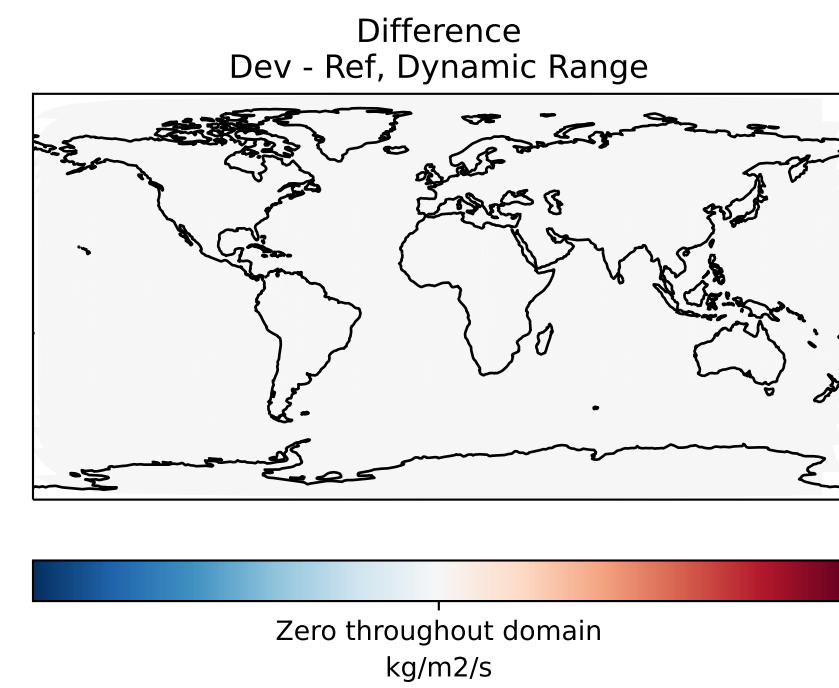
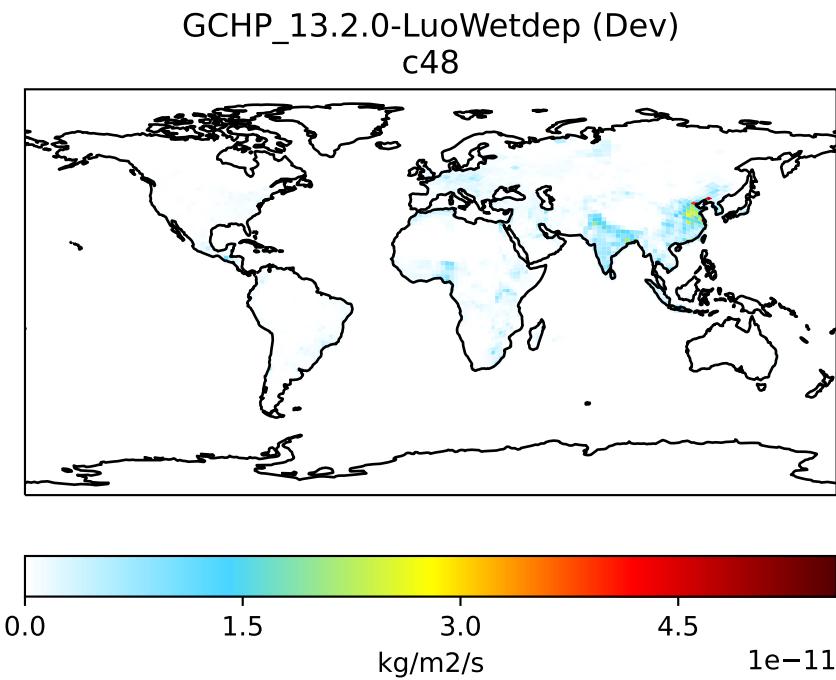
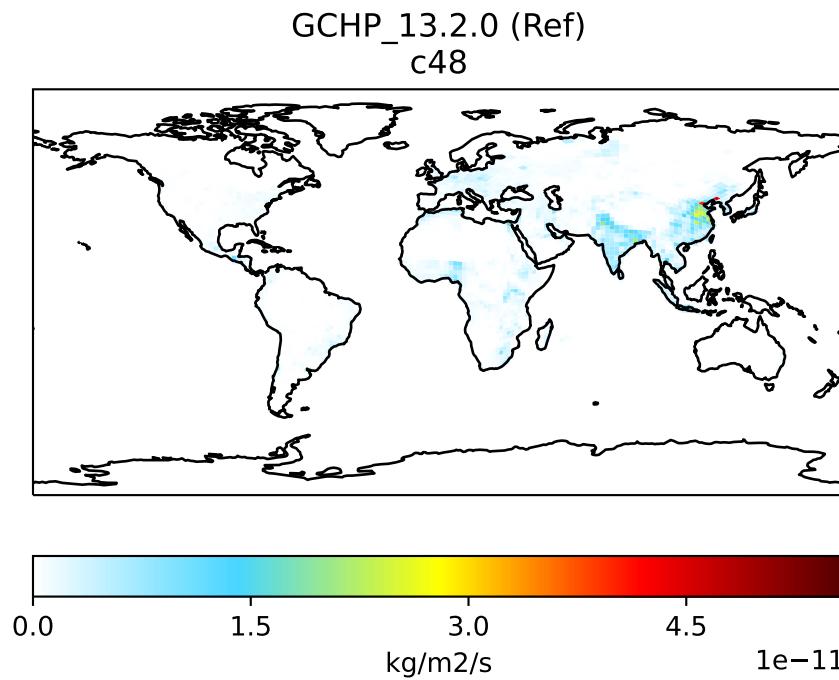
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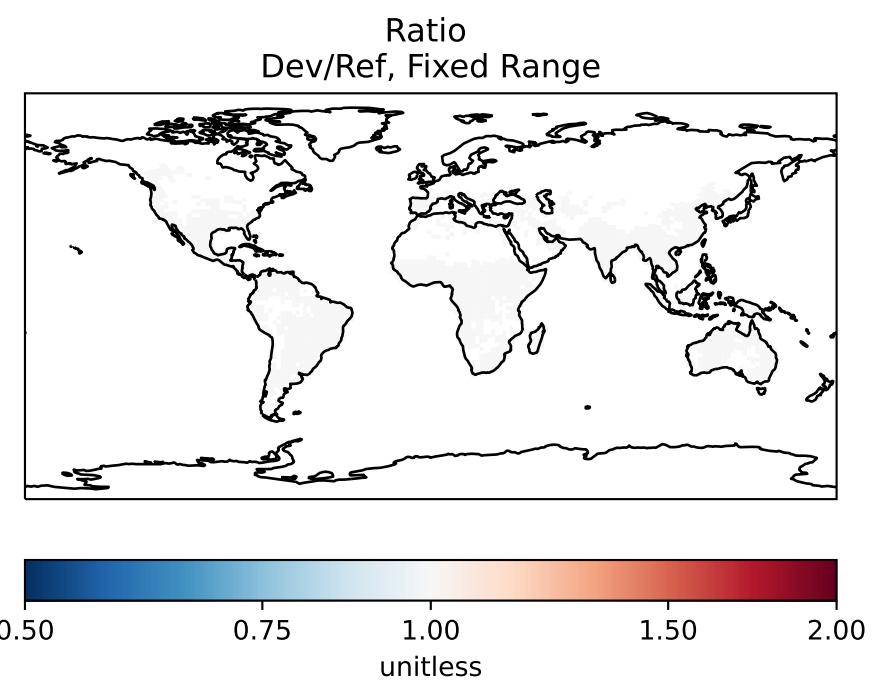
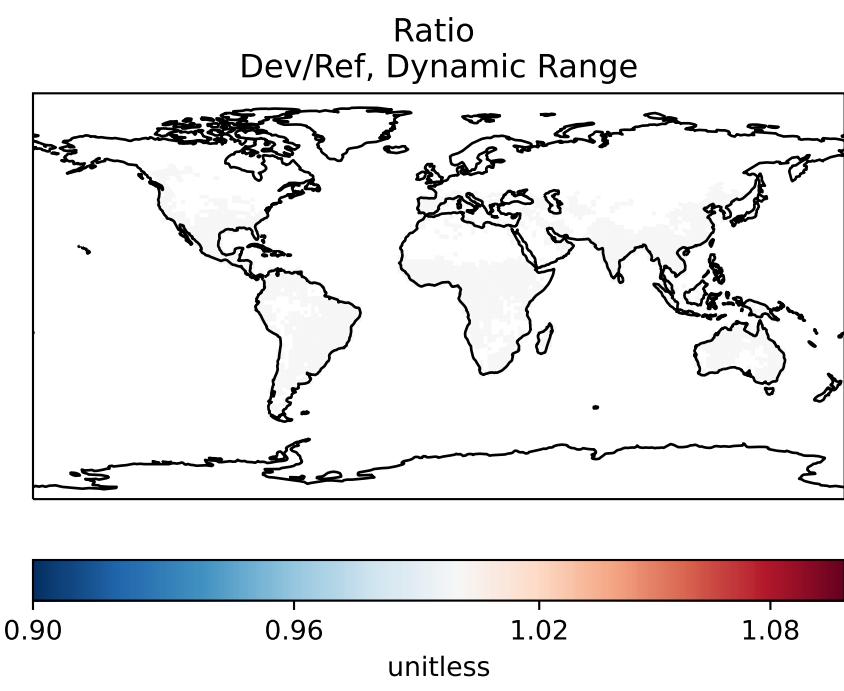
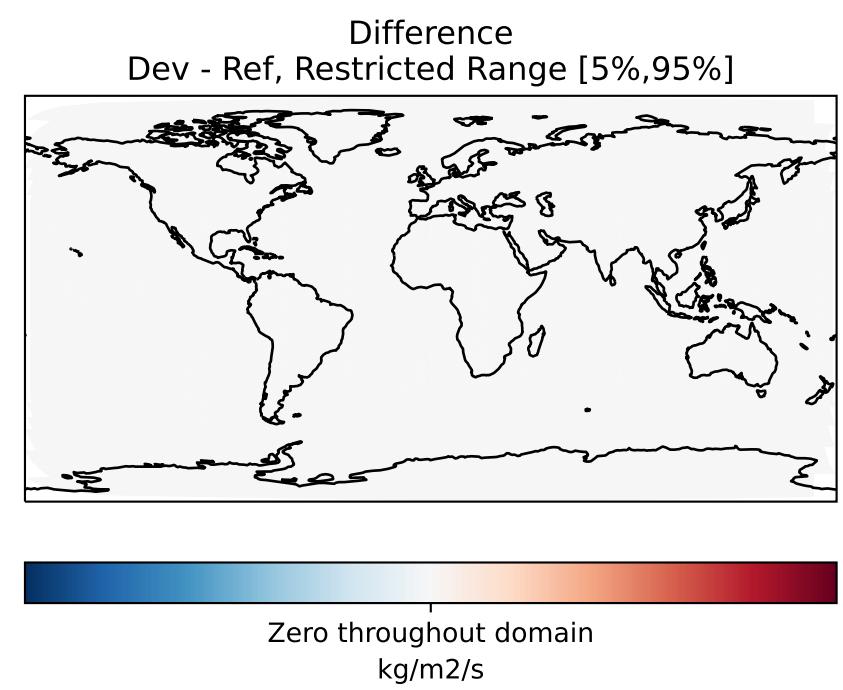
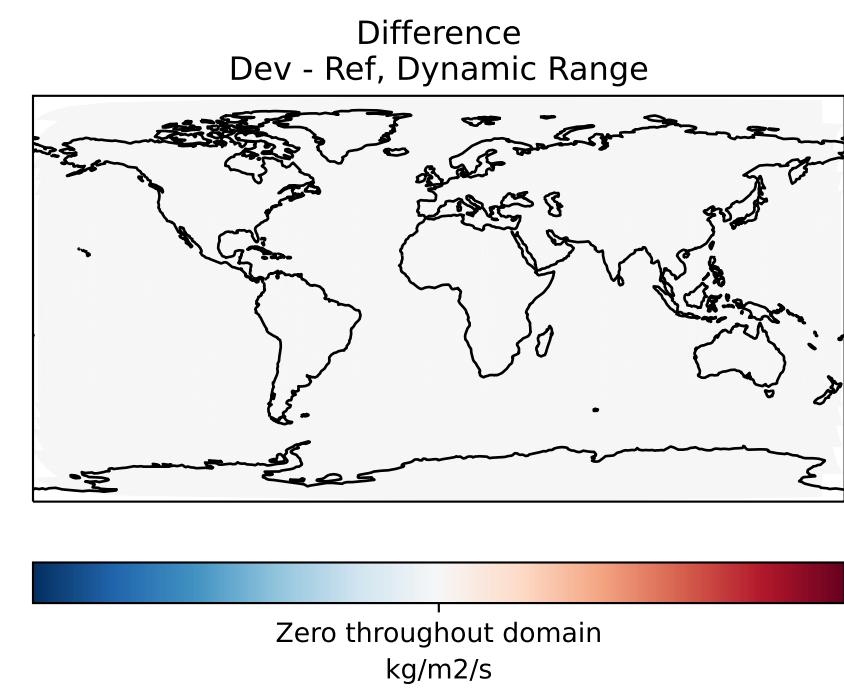
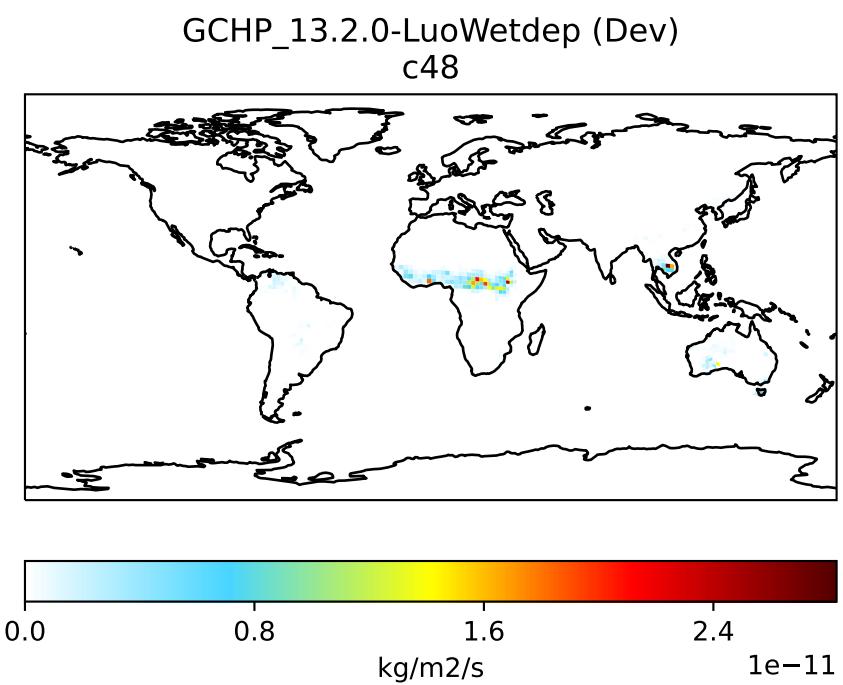
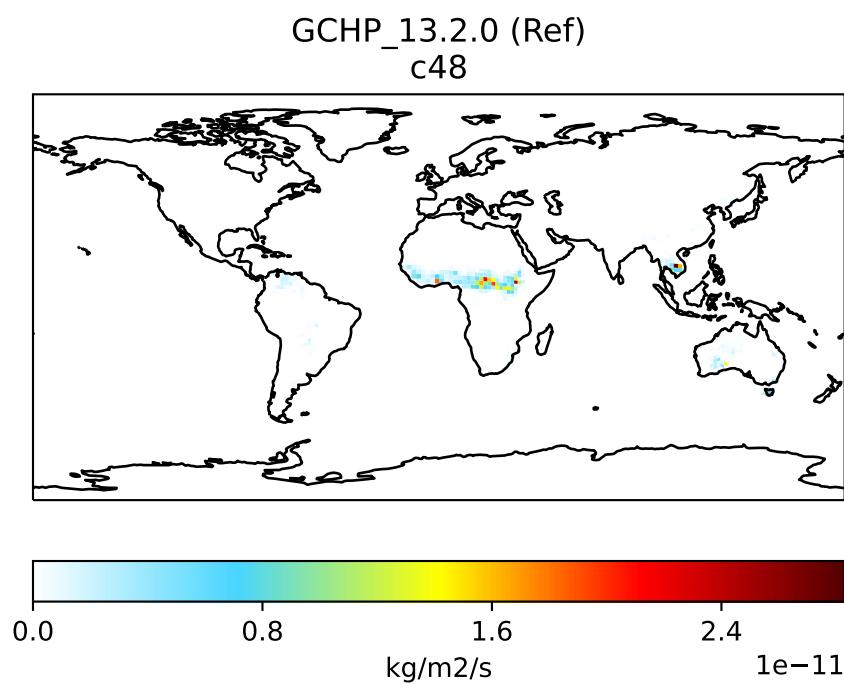
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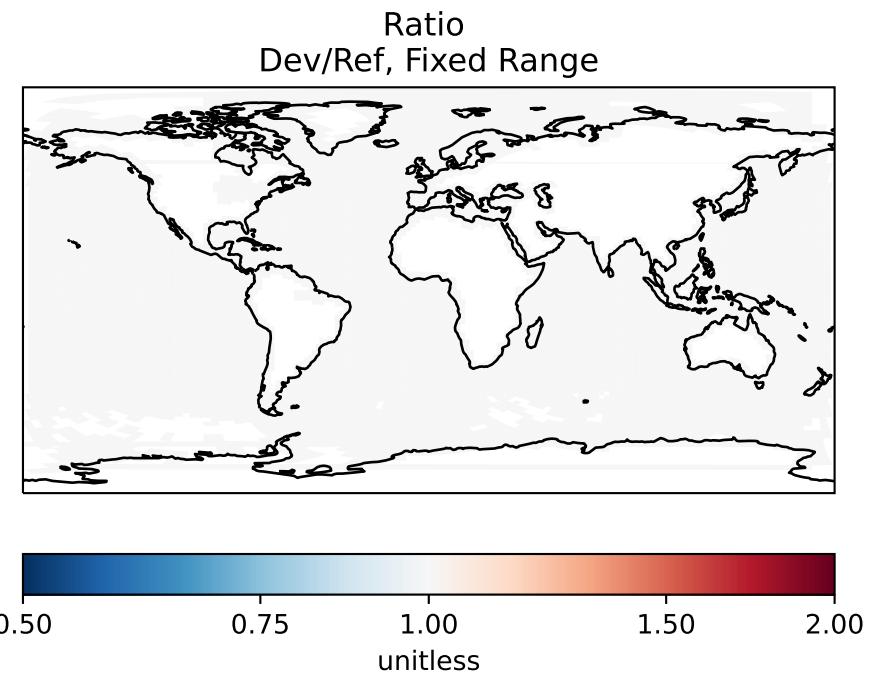
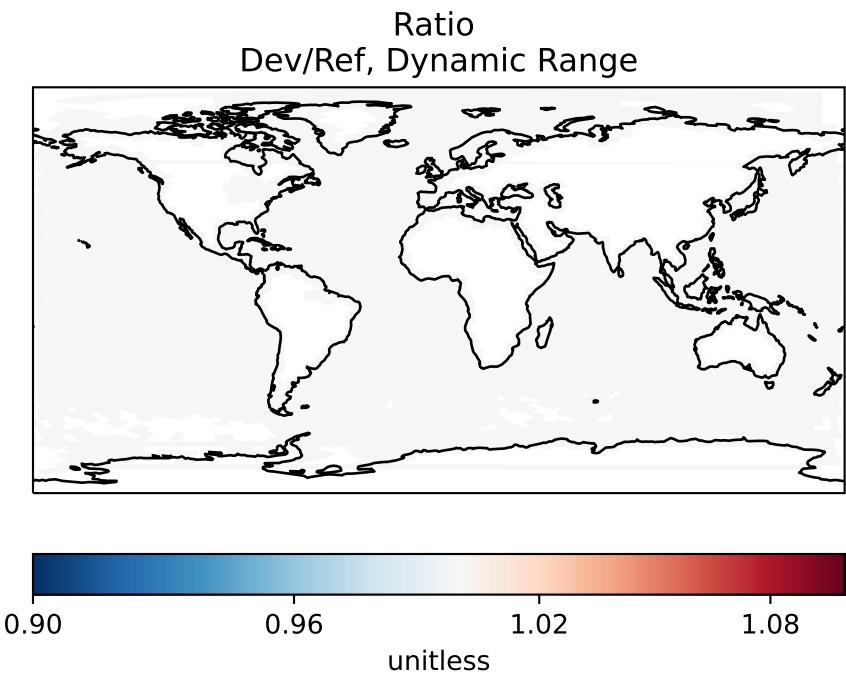
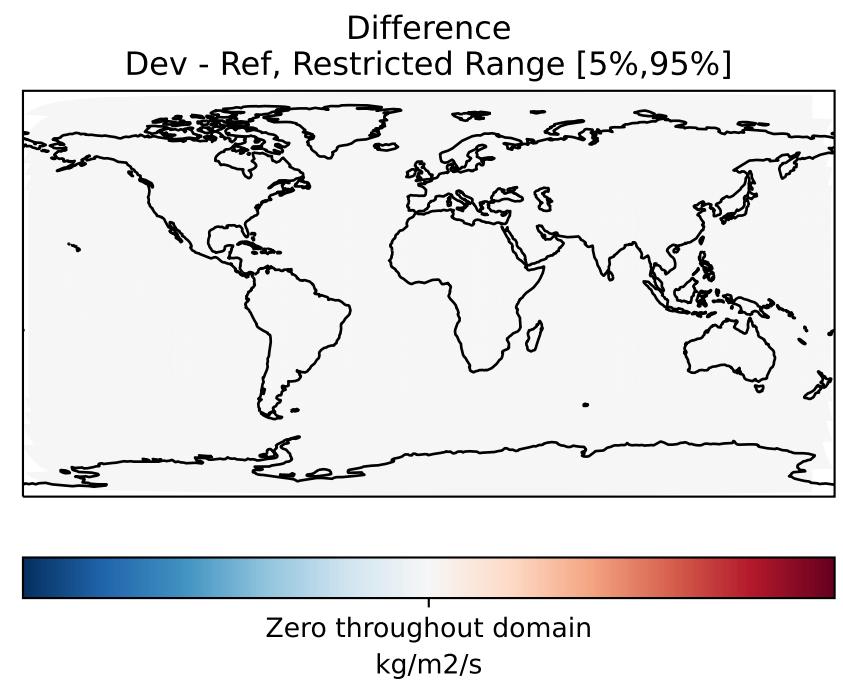
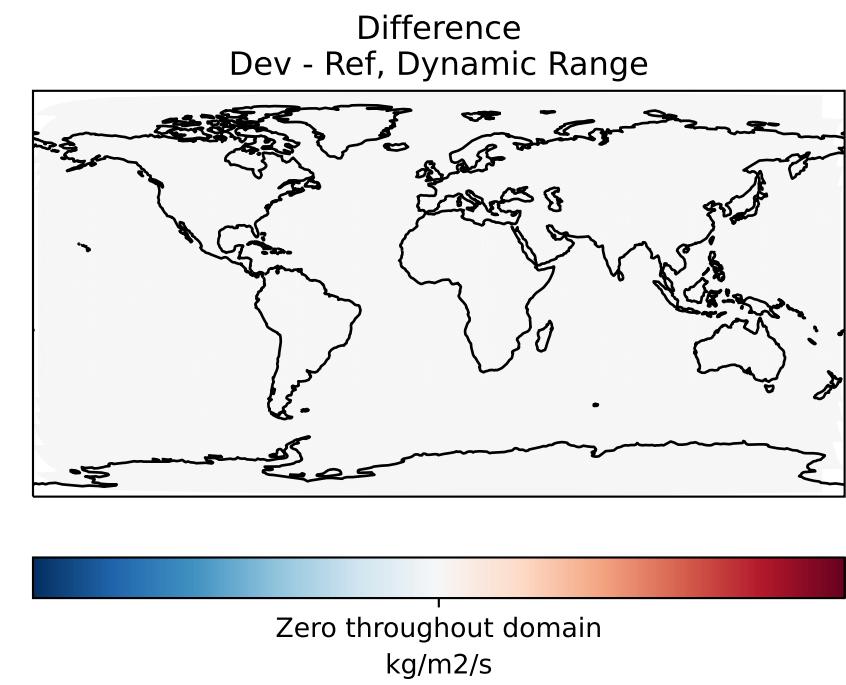
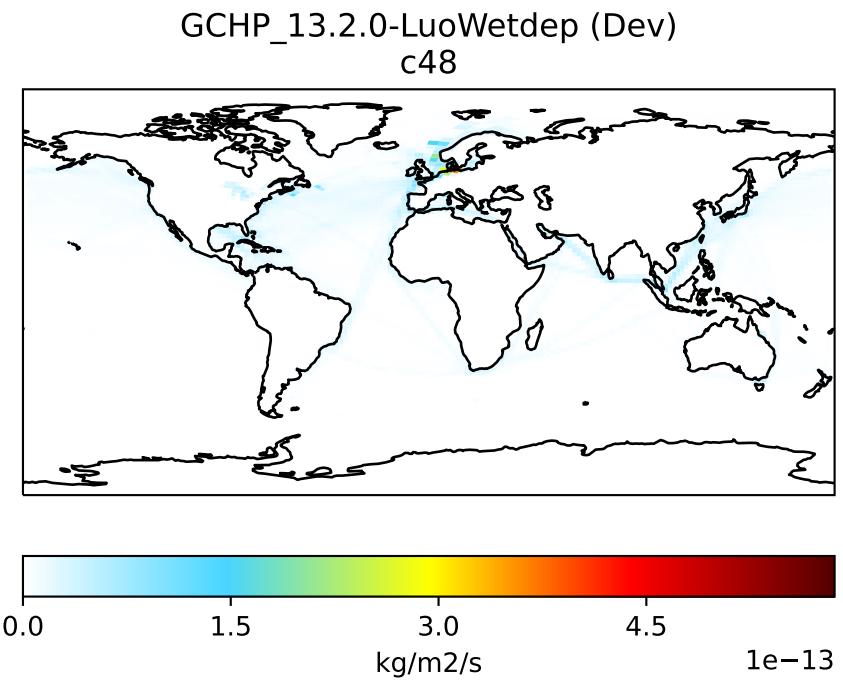
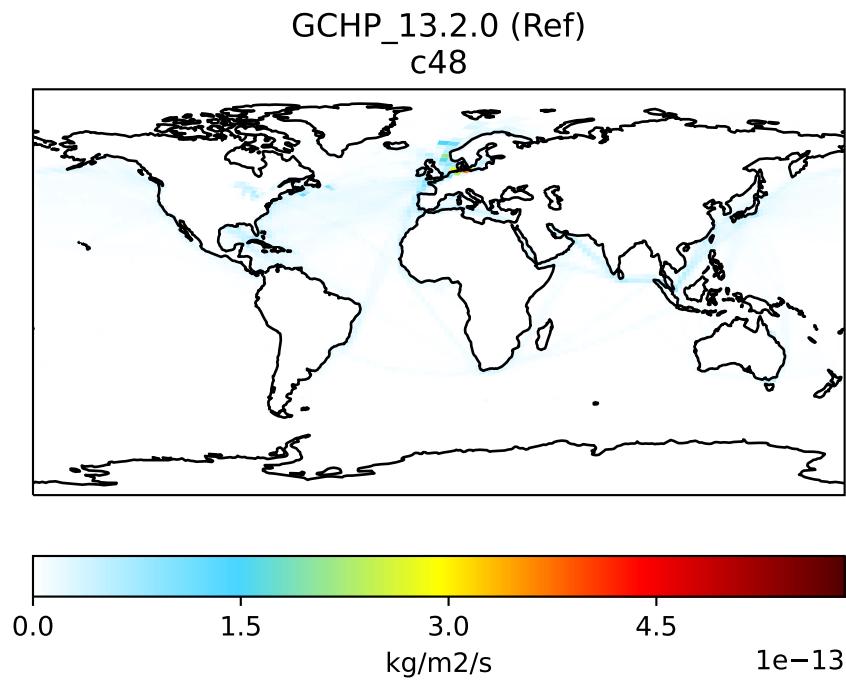
EmisBCPO_Anthro (Jan2019)



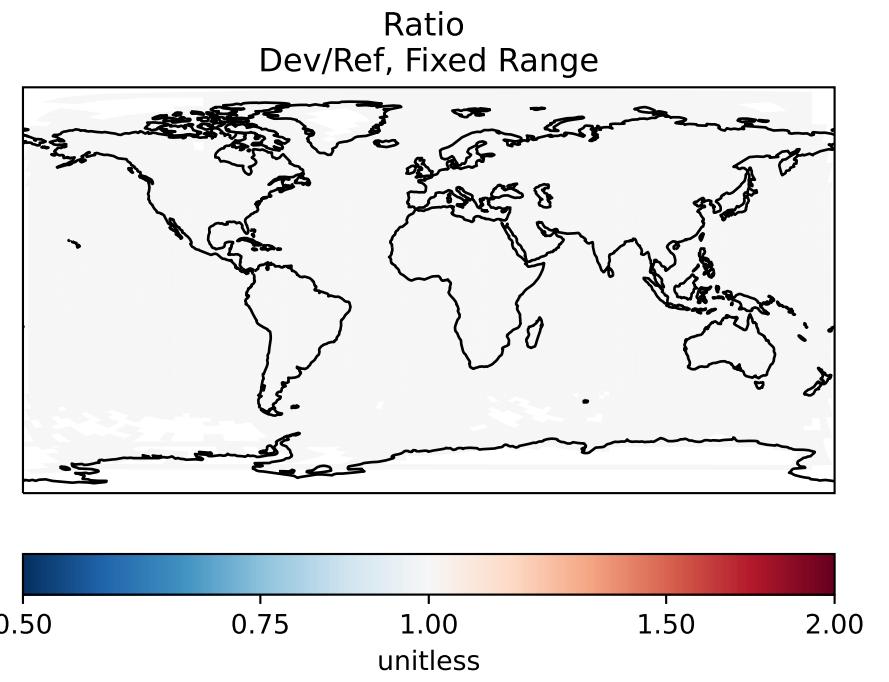
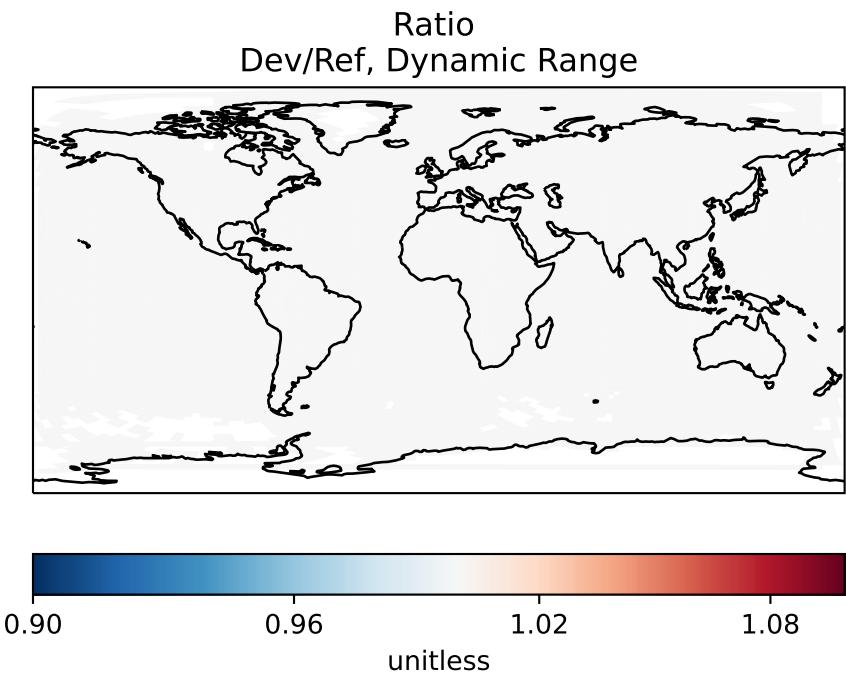
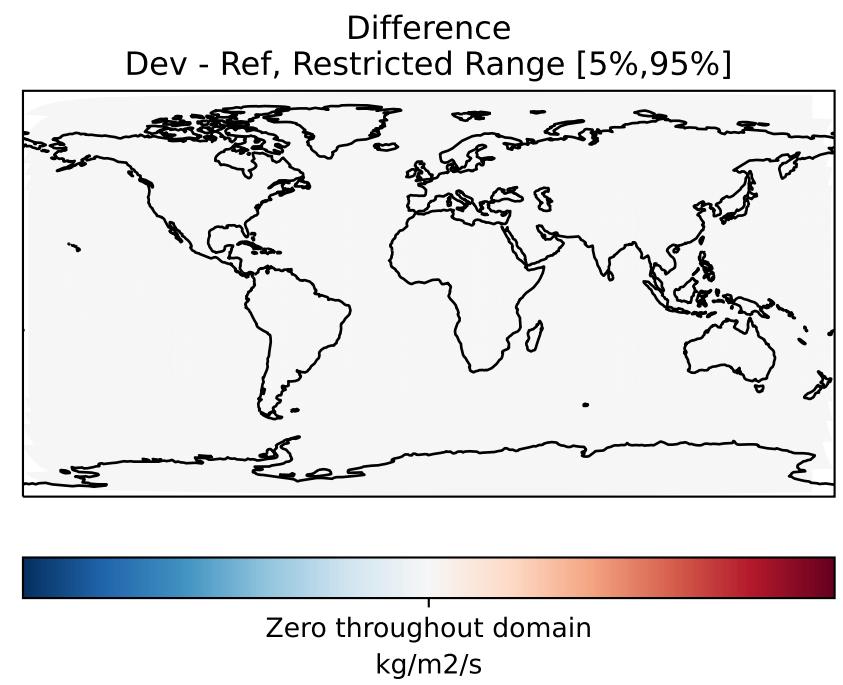
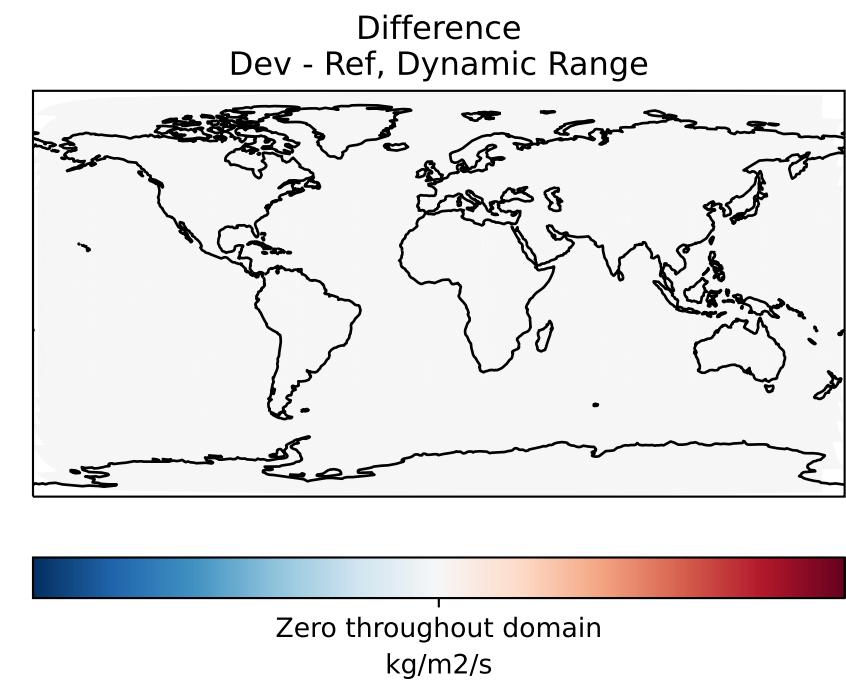
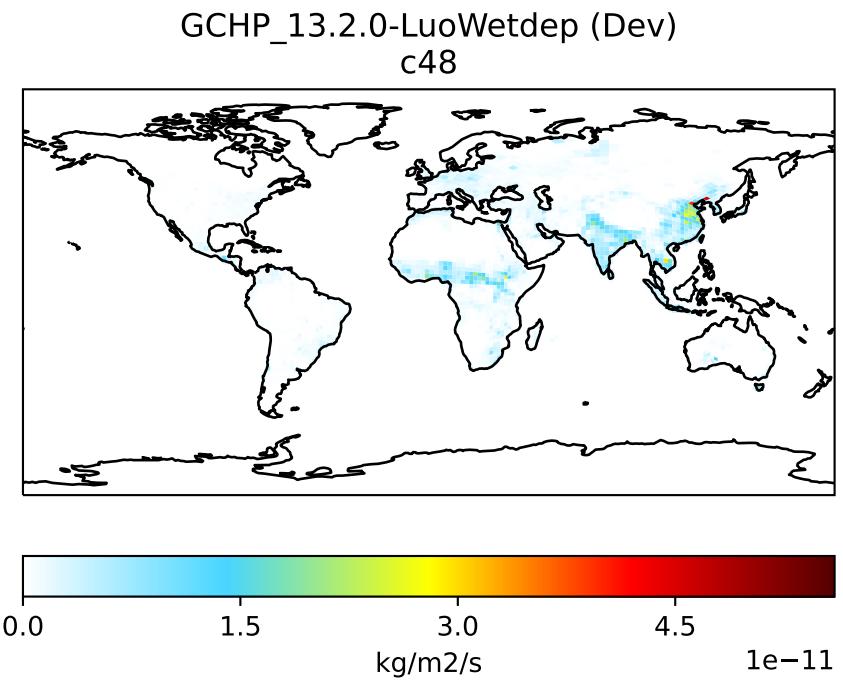
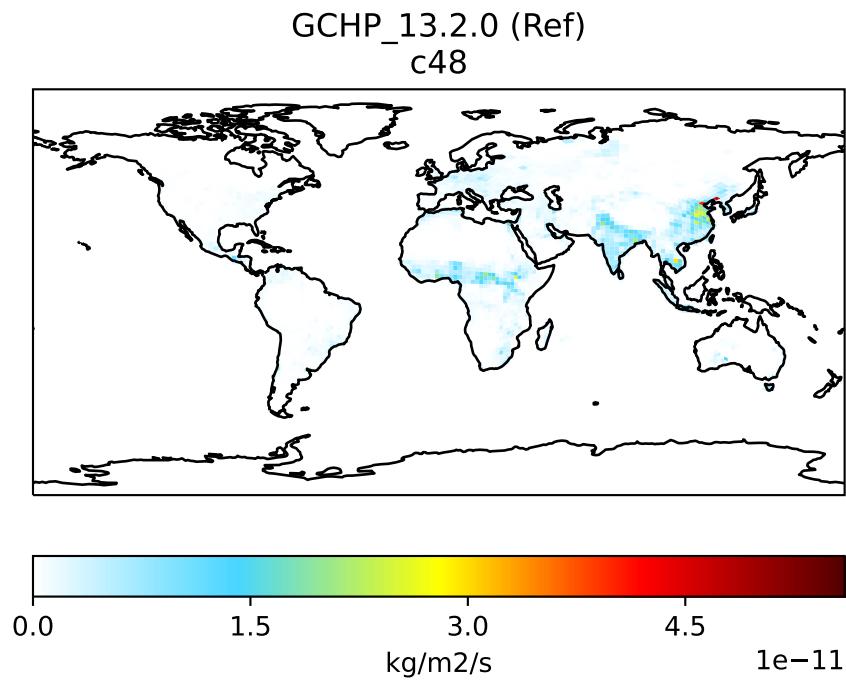
EmisBCPO_BioBurn (Jan2019)



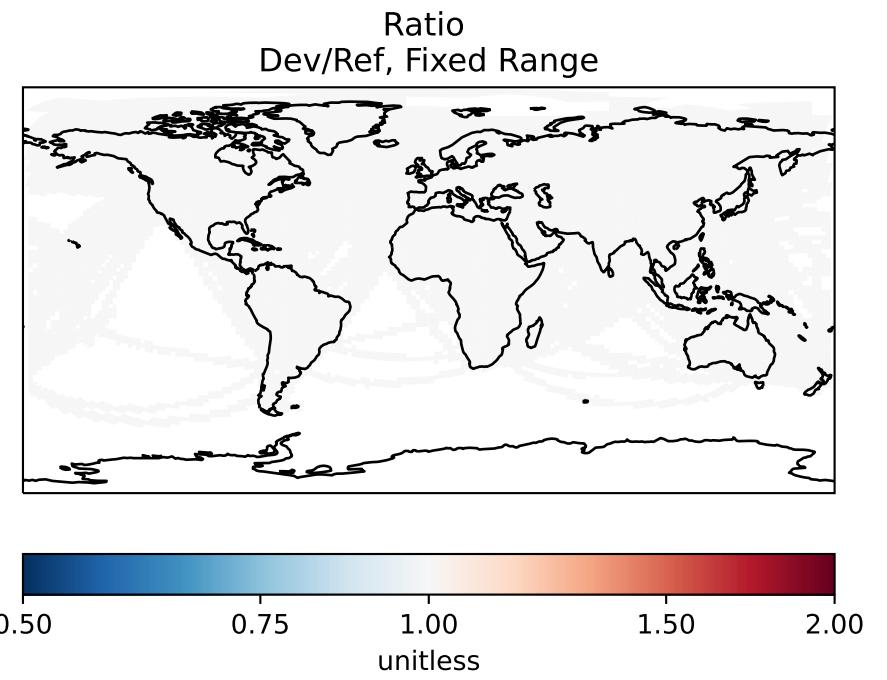
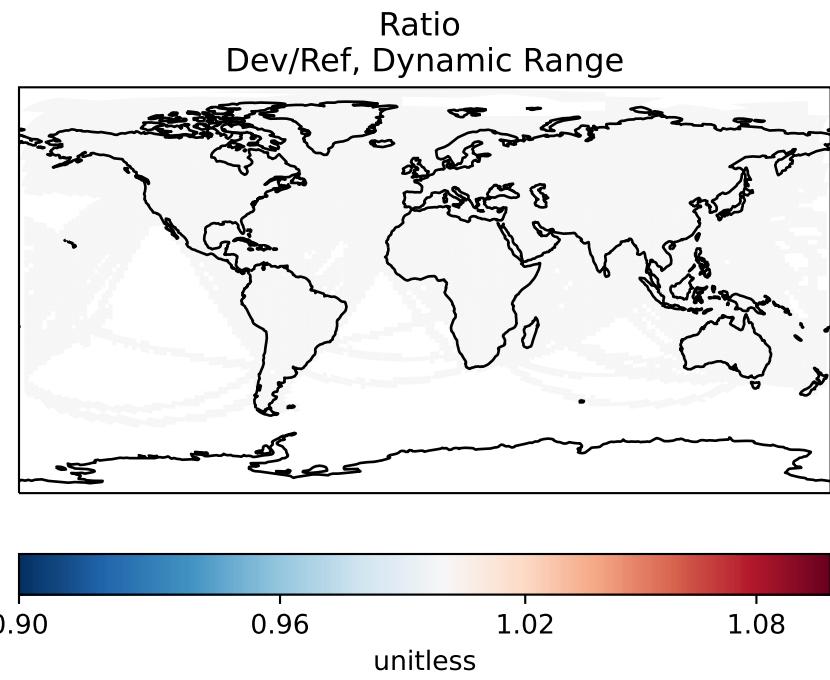
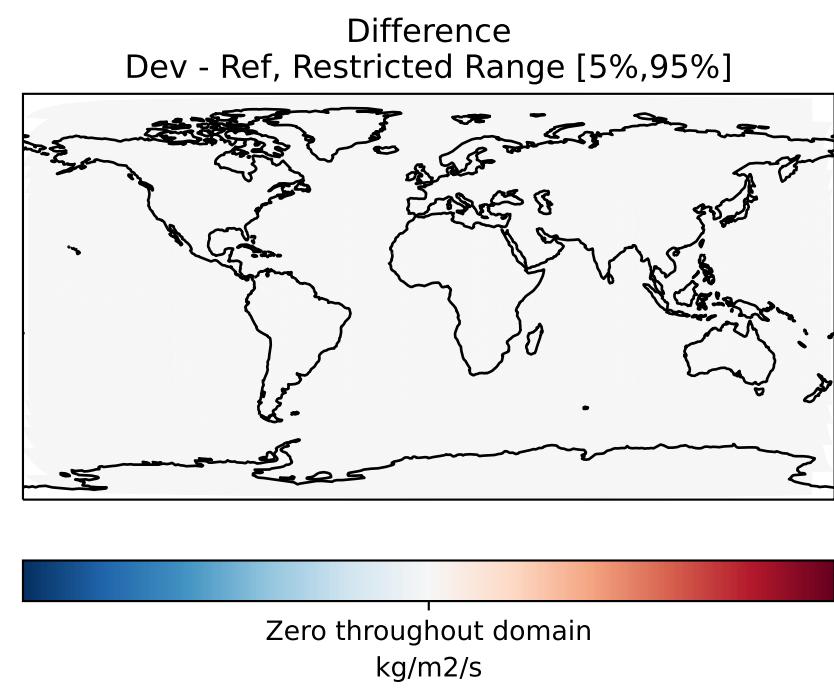
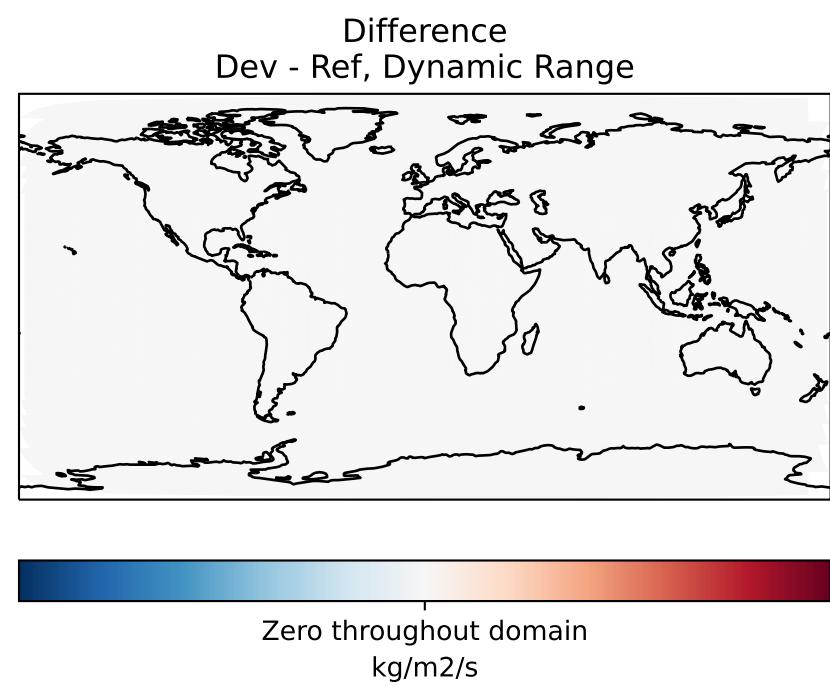
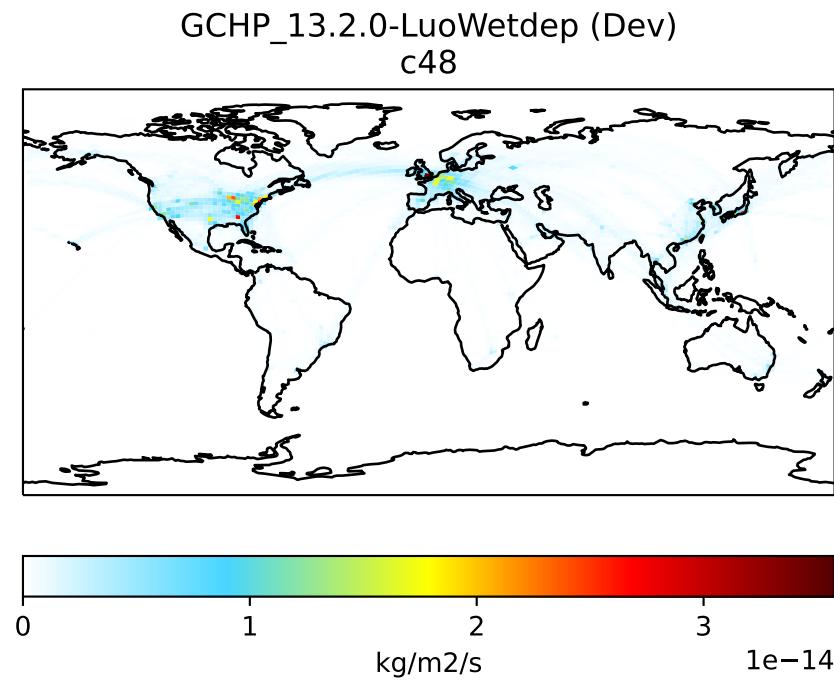
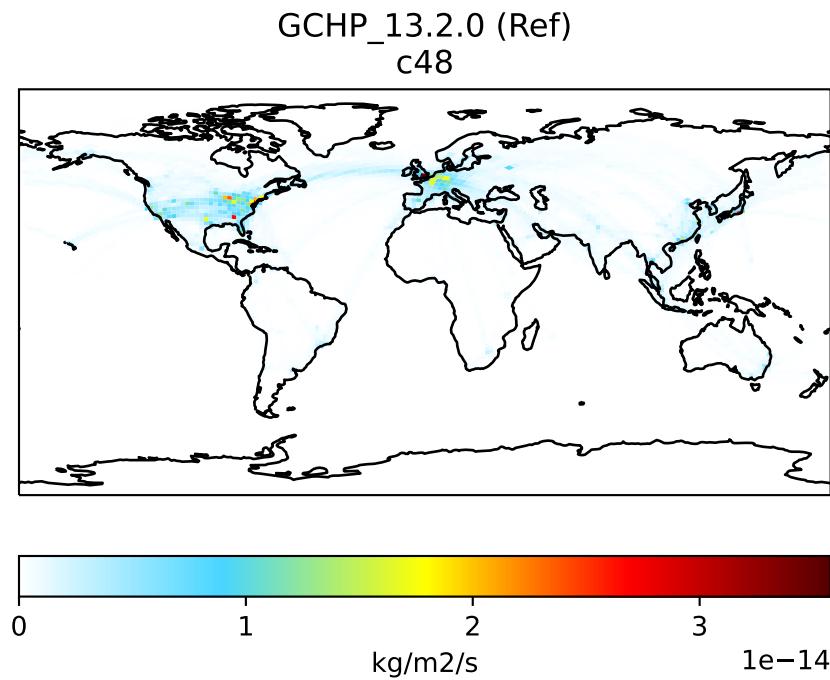
EmisBCPO_Ship (Jan2019)



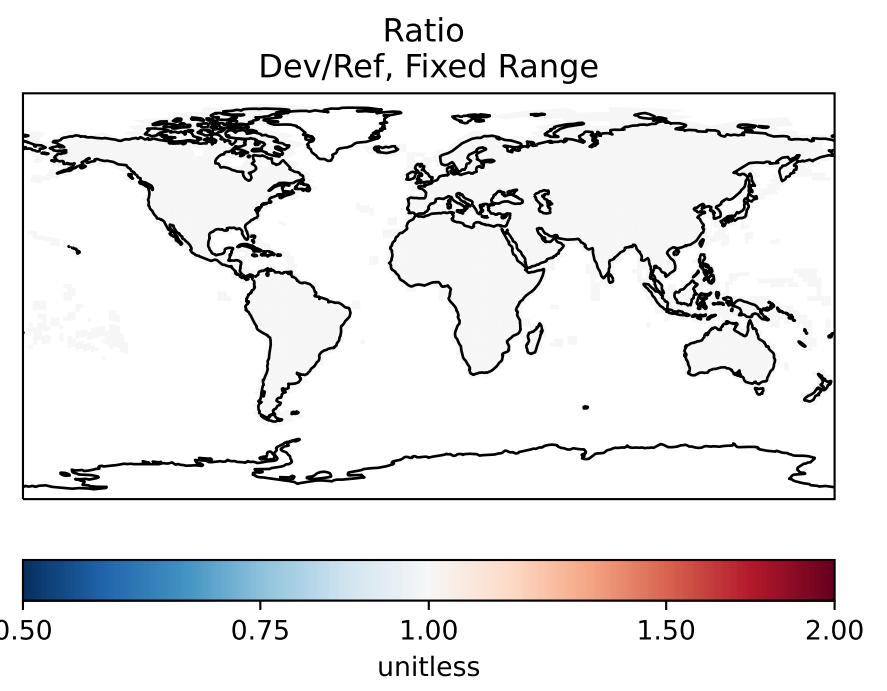
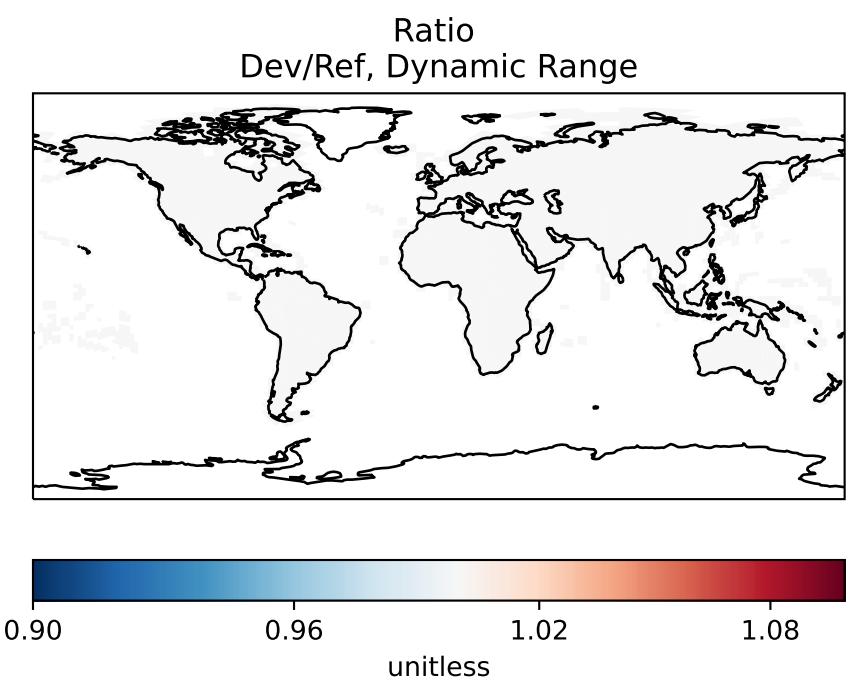
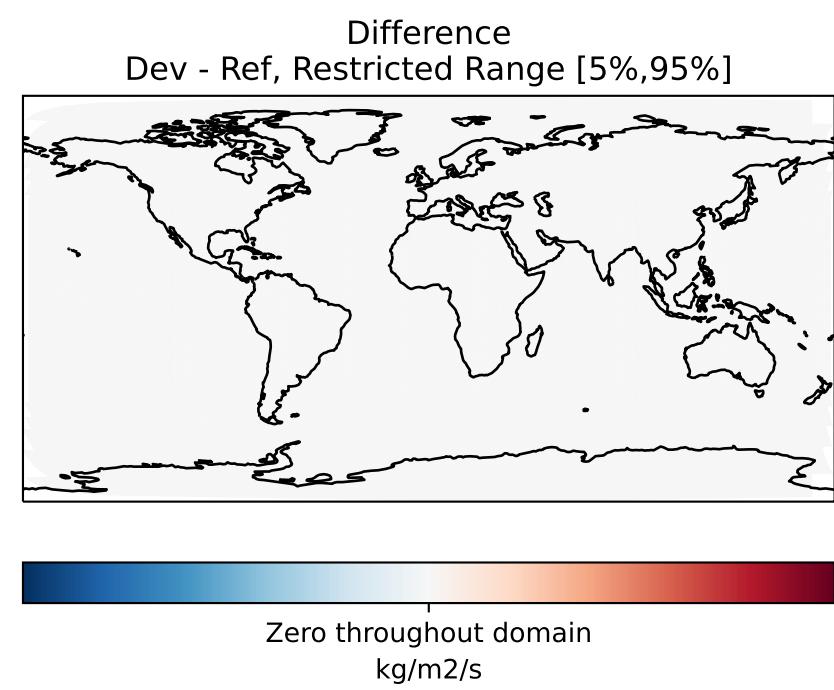
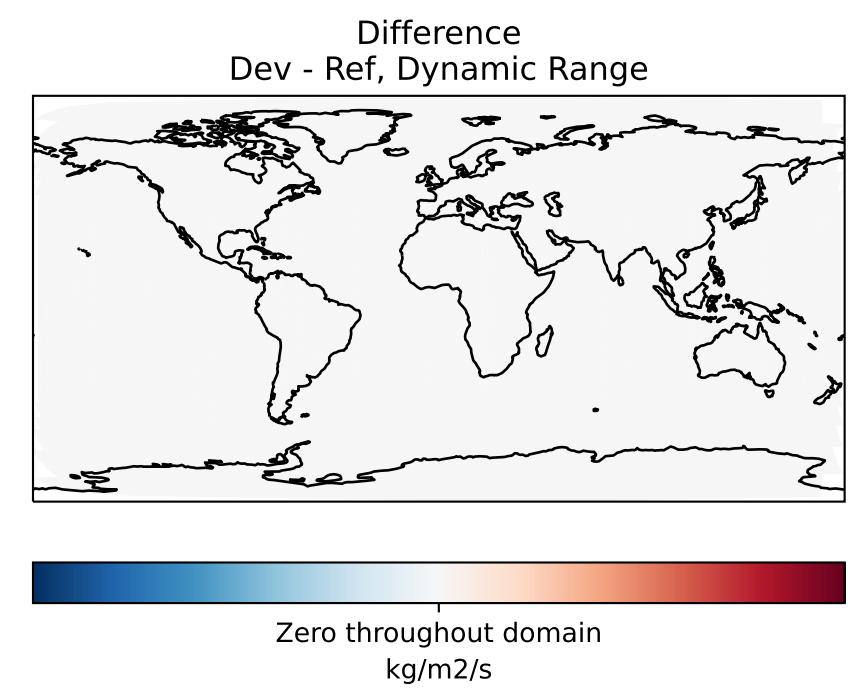
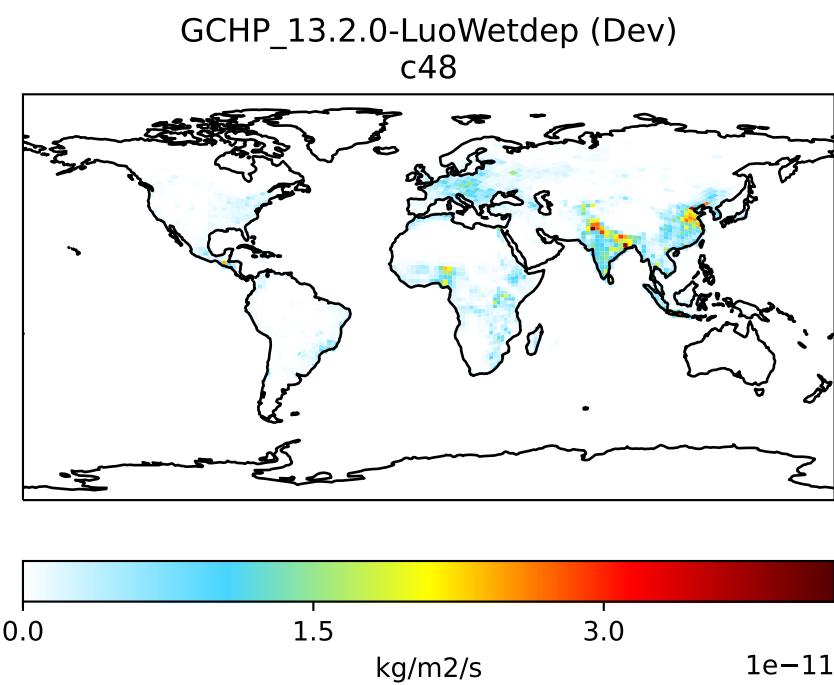
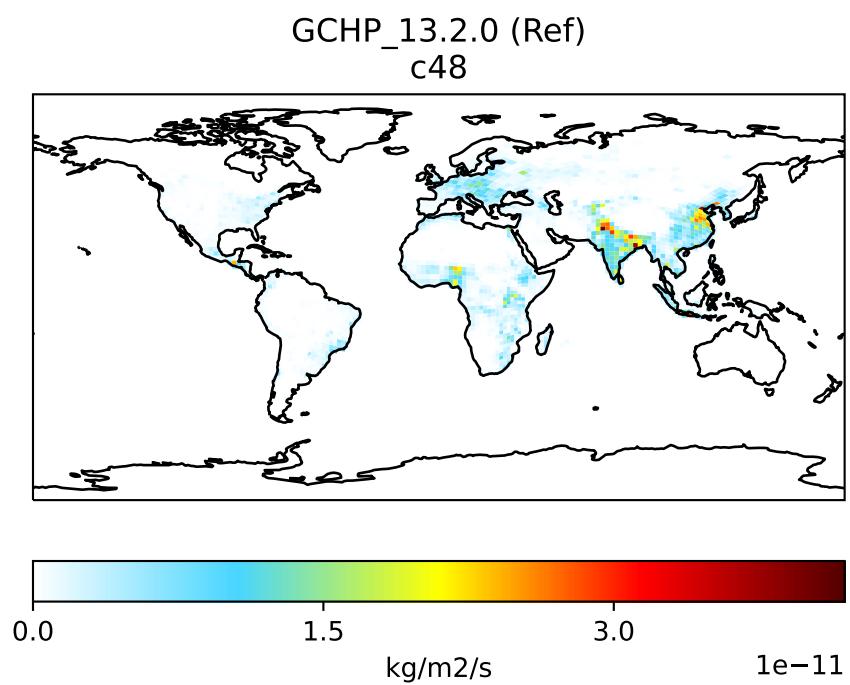
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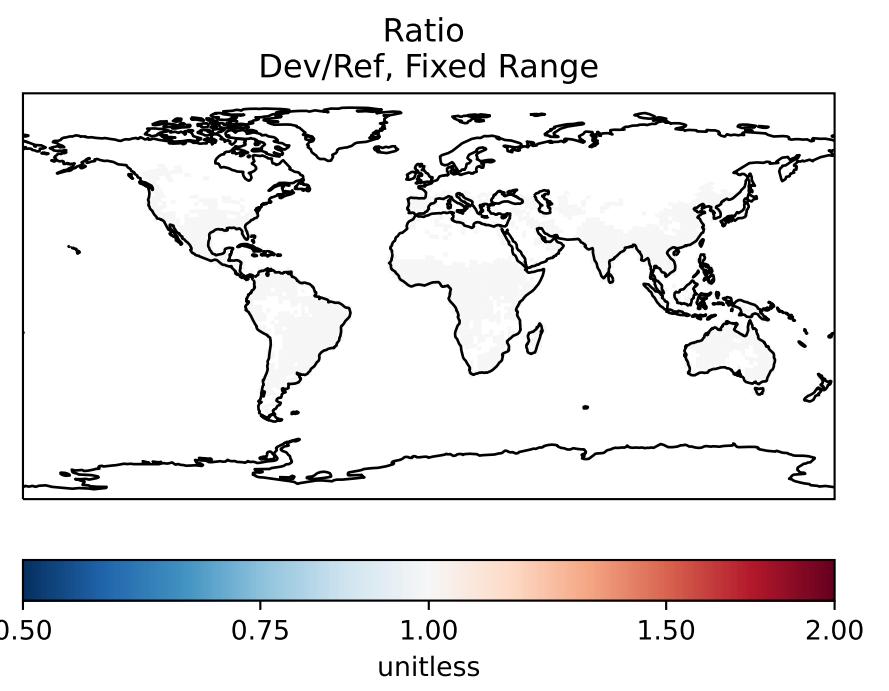
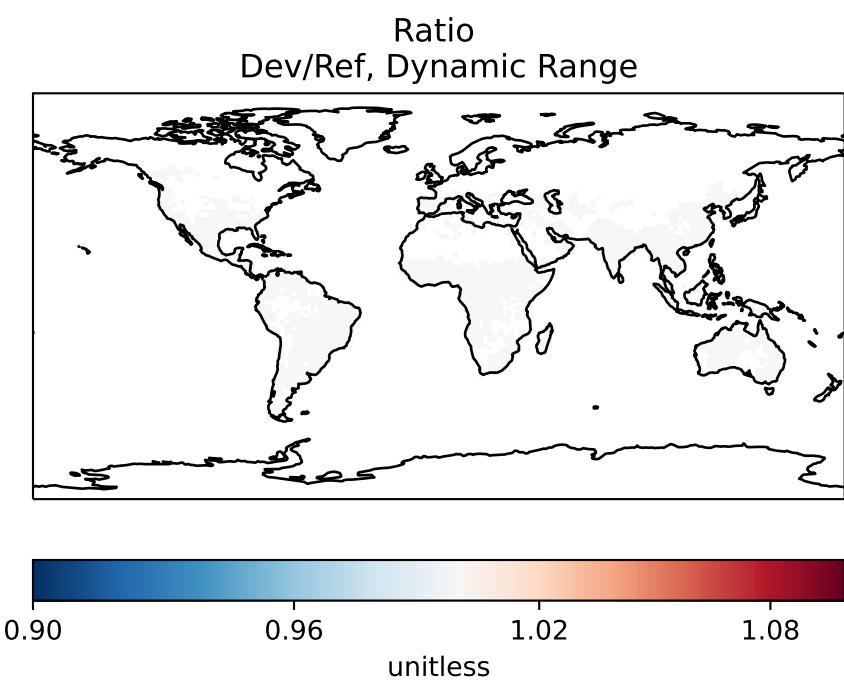
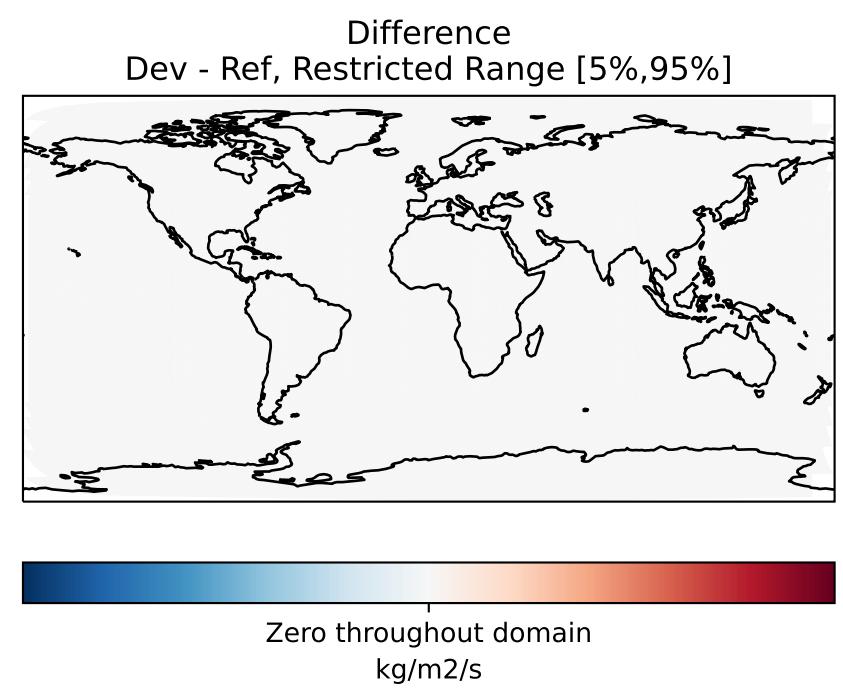
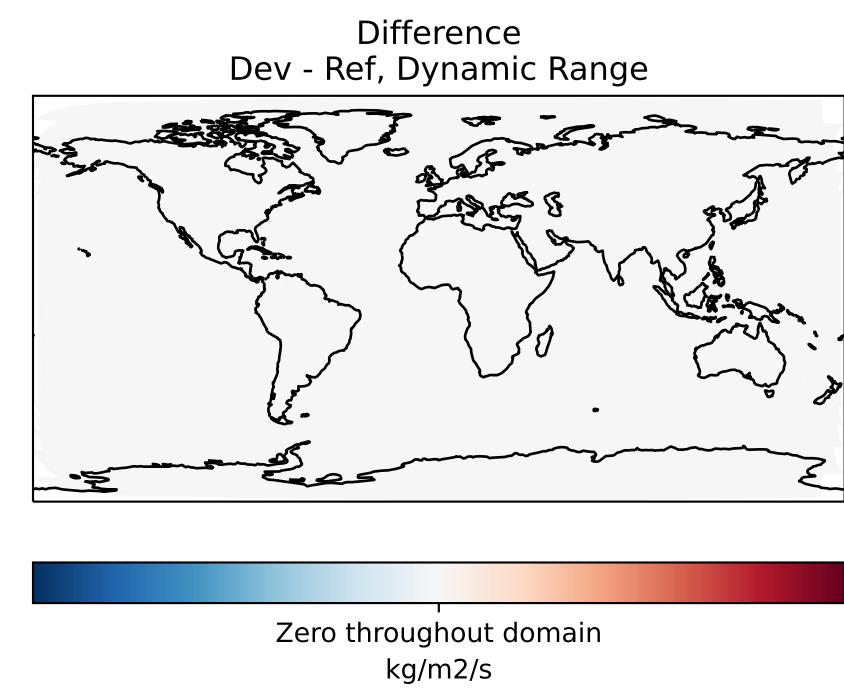
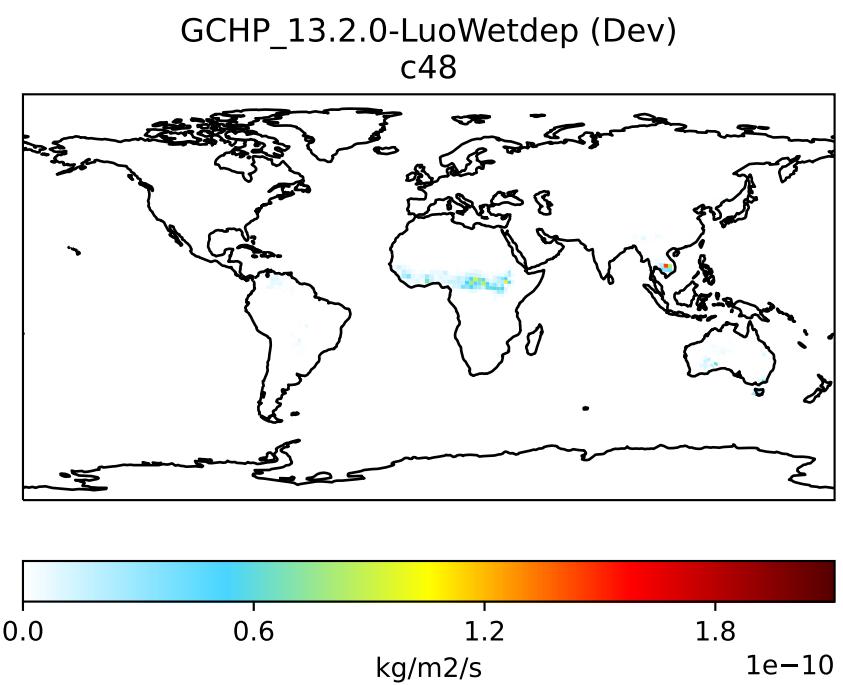
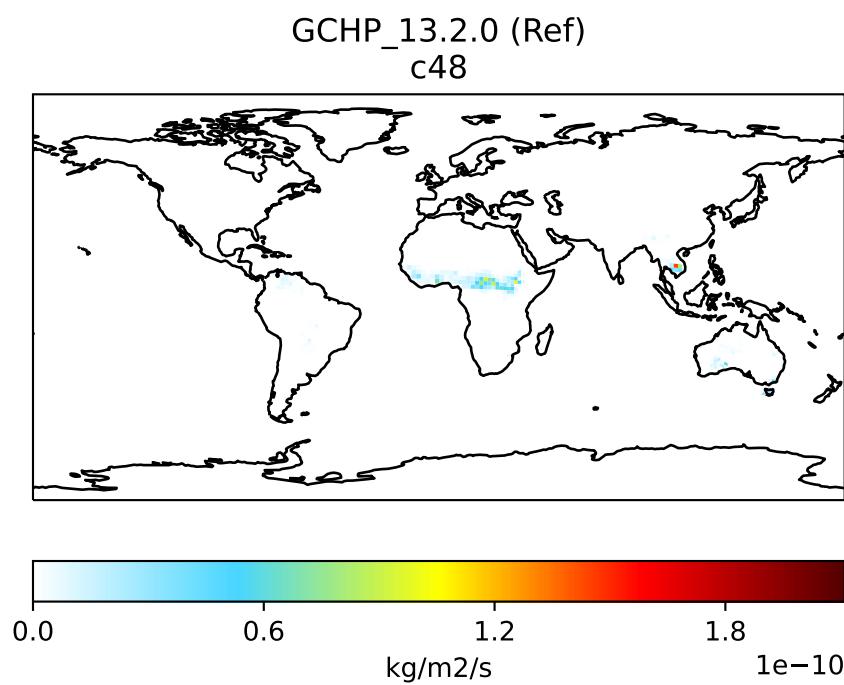
EmisOCPI_Aircraft (Jan2019)



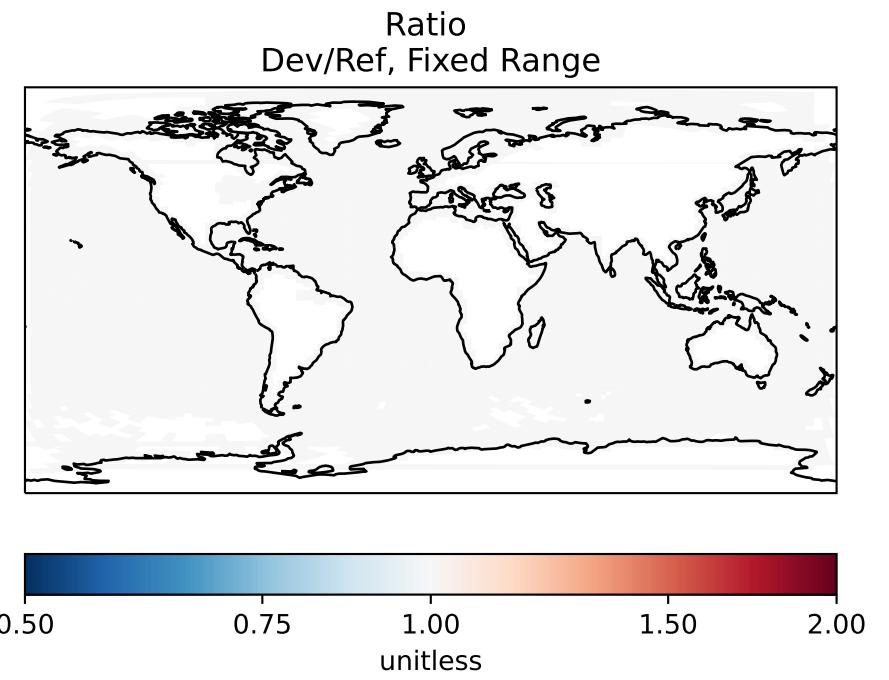
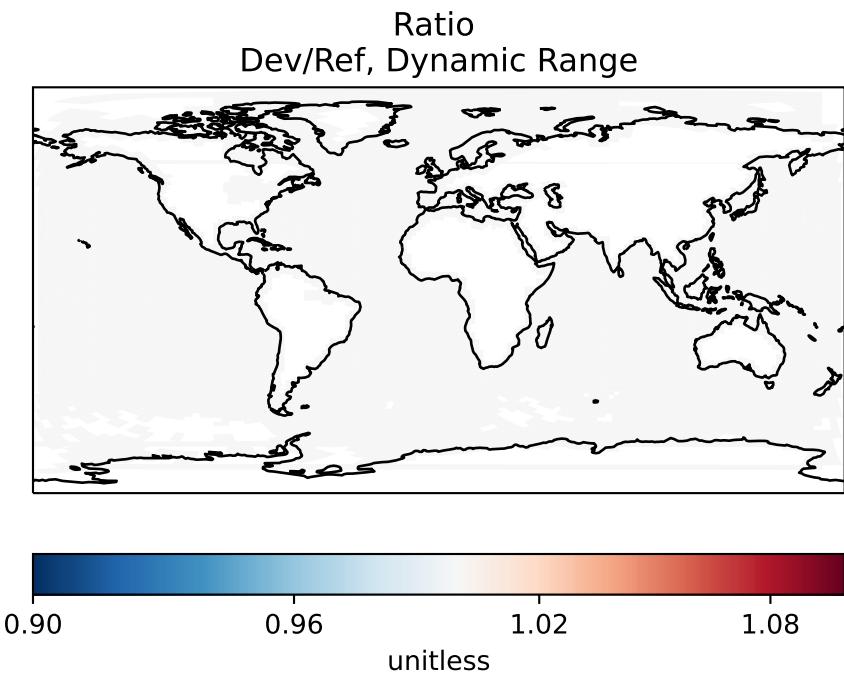
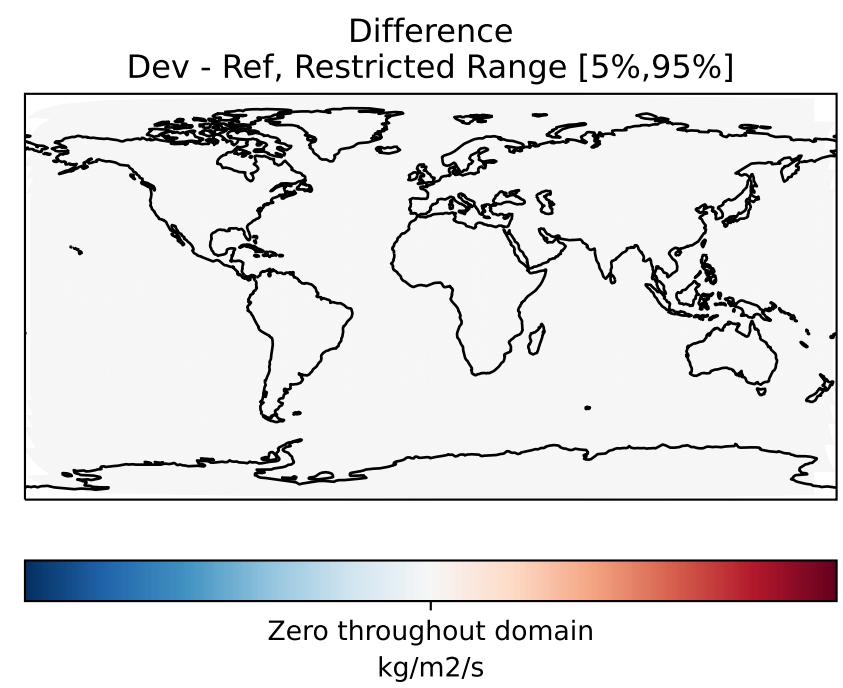
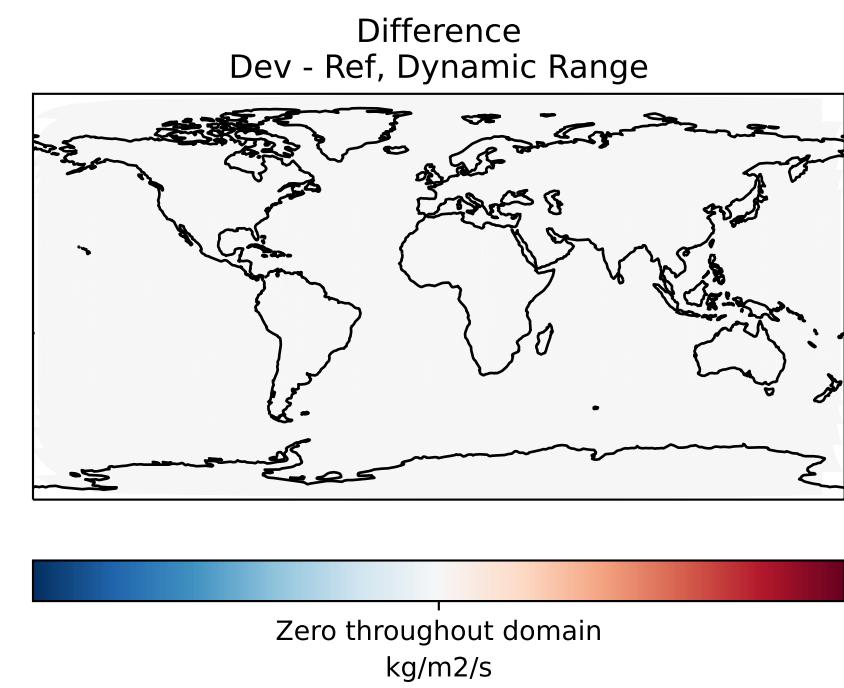
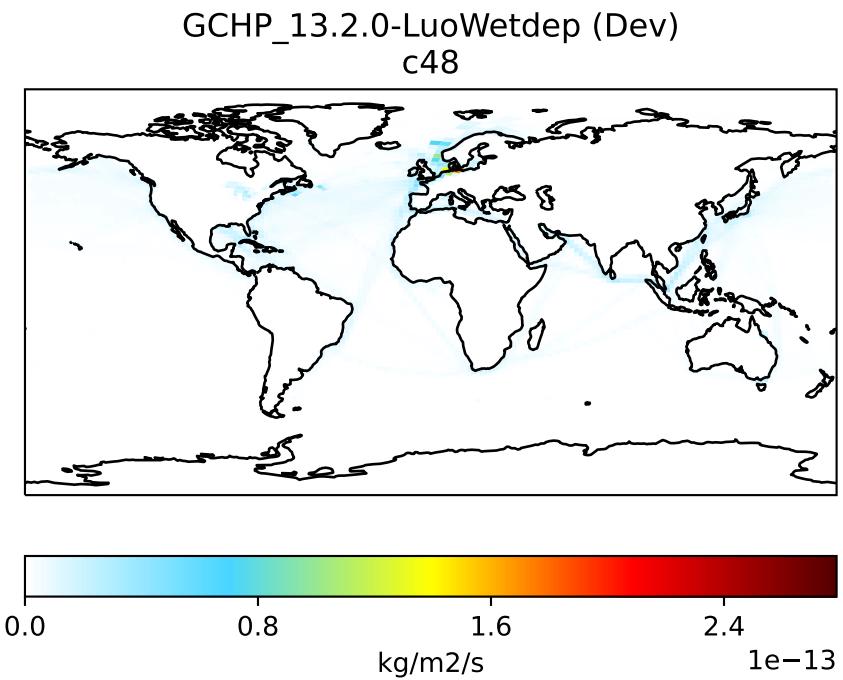
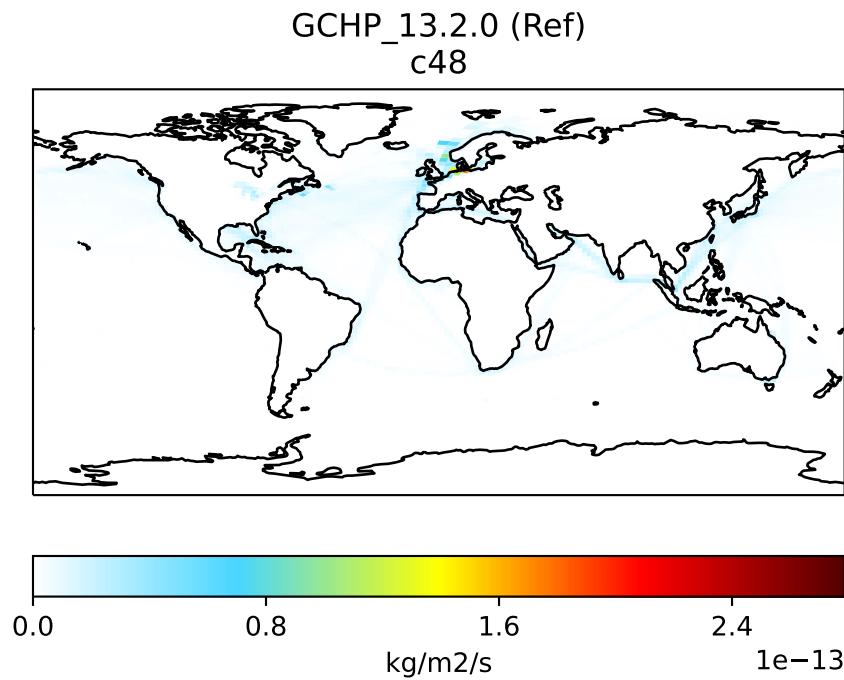
EmisOCPI_Anthro (Jan2019)



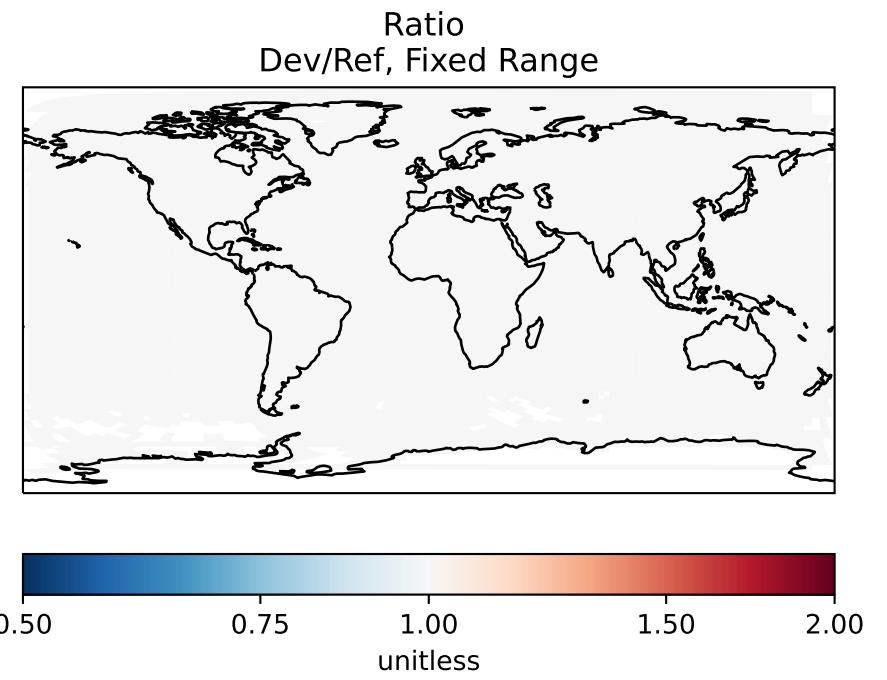
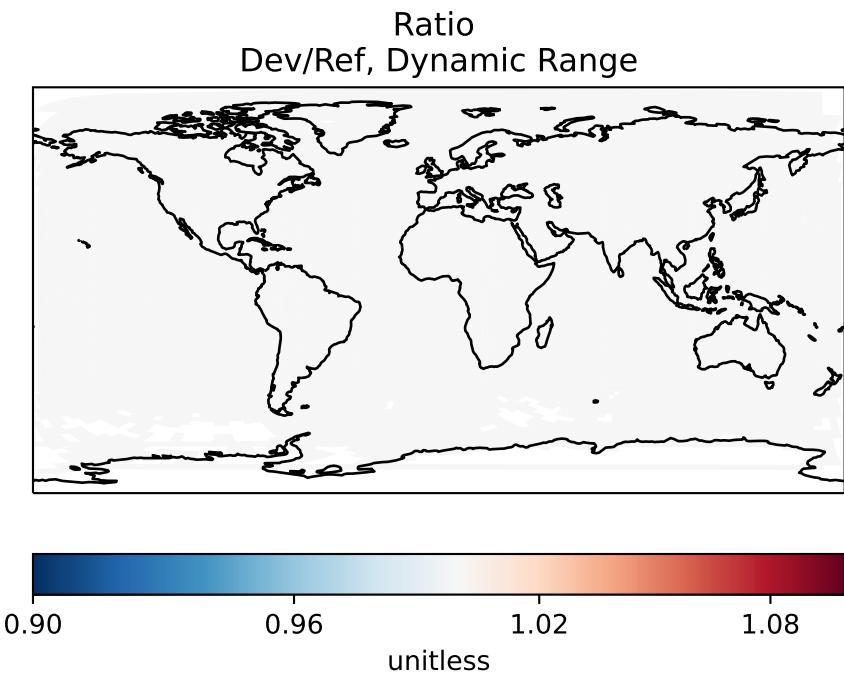
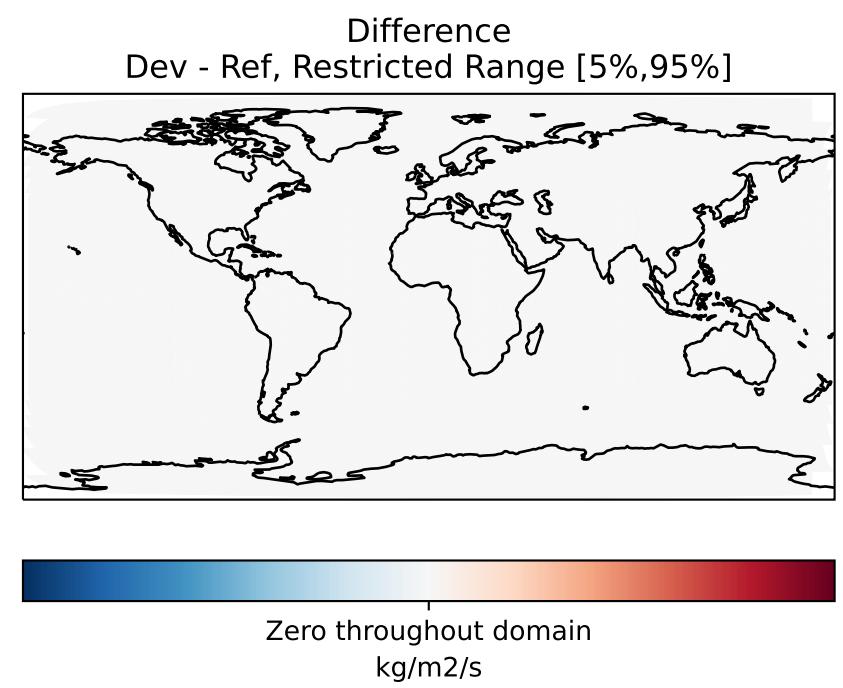
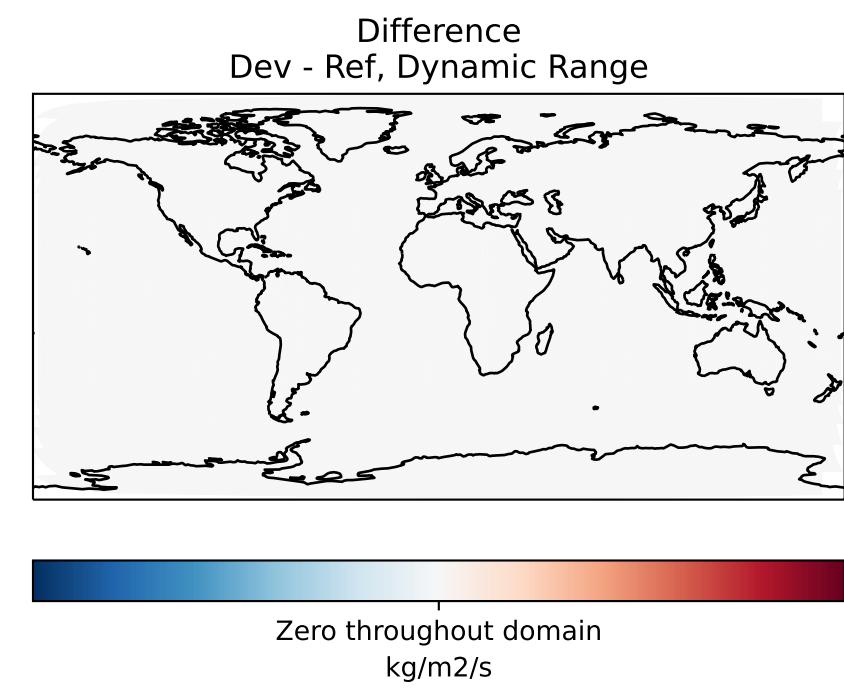
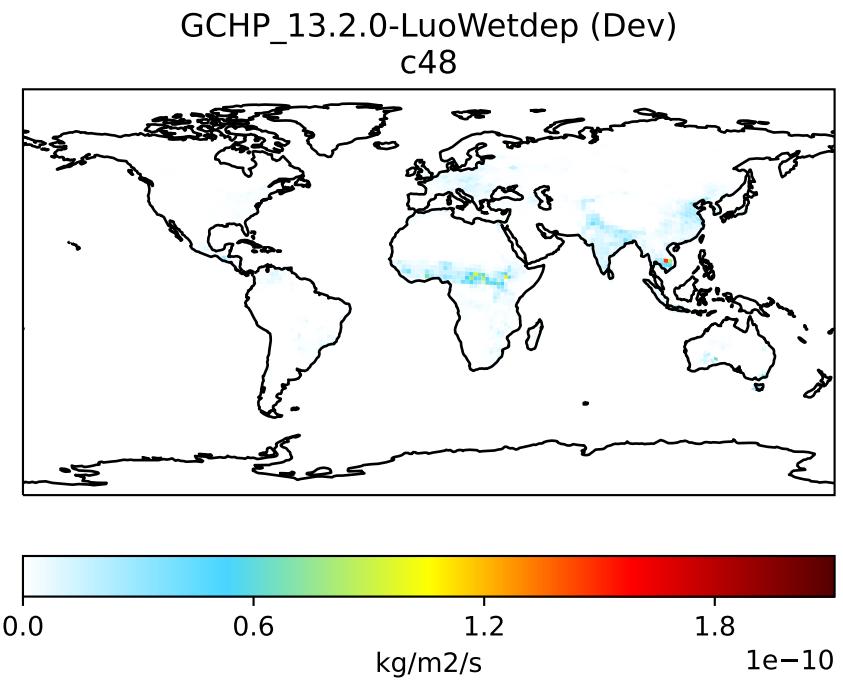
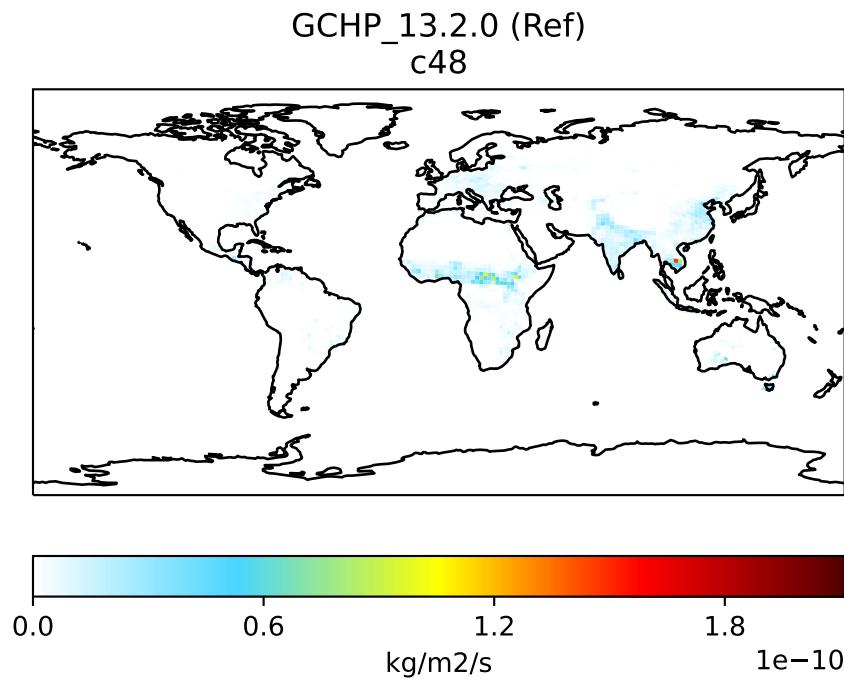
EmisOCPI_BioBurn (Jan2019)



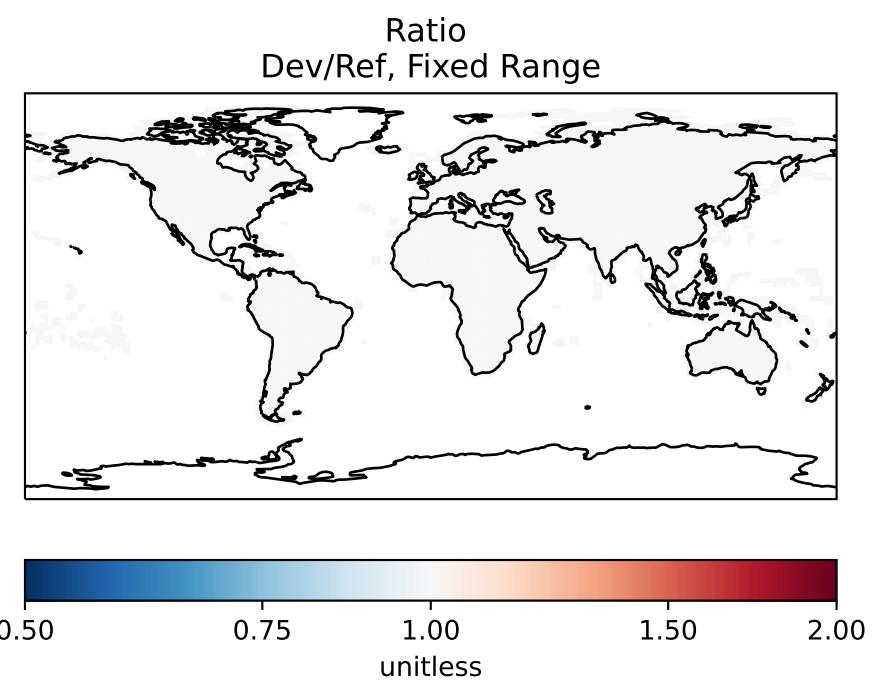
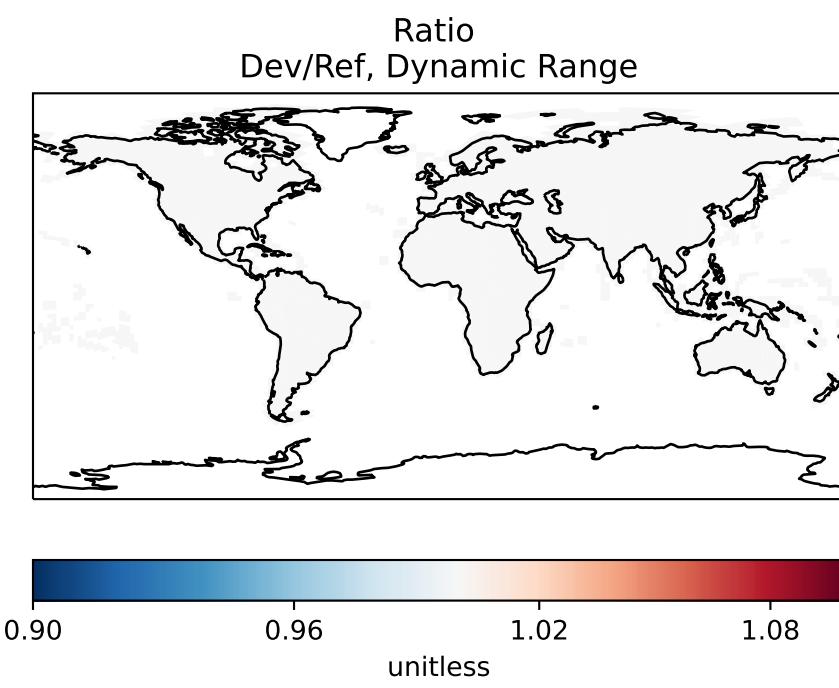
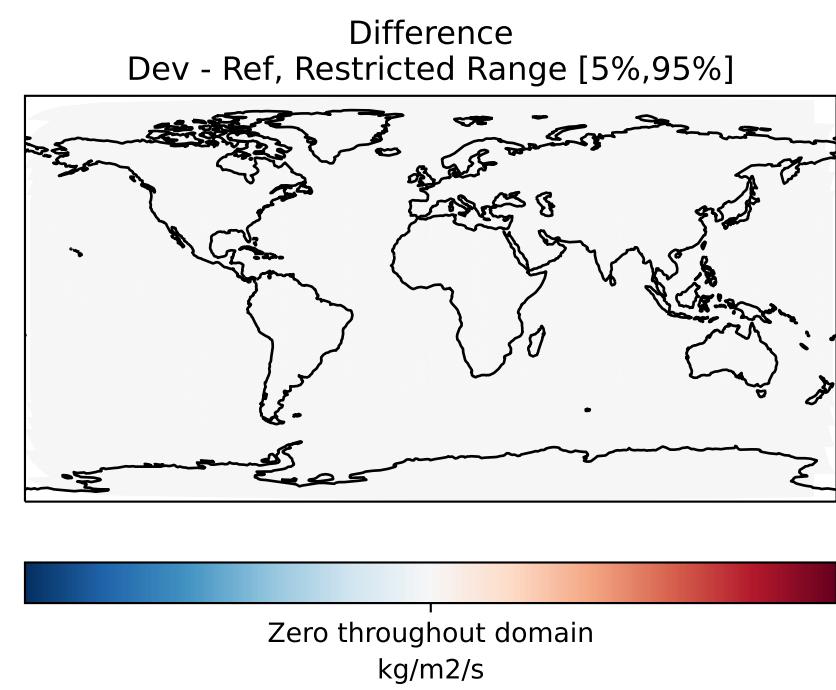
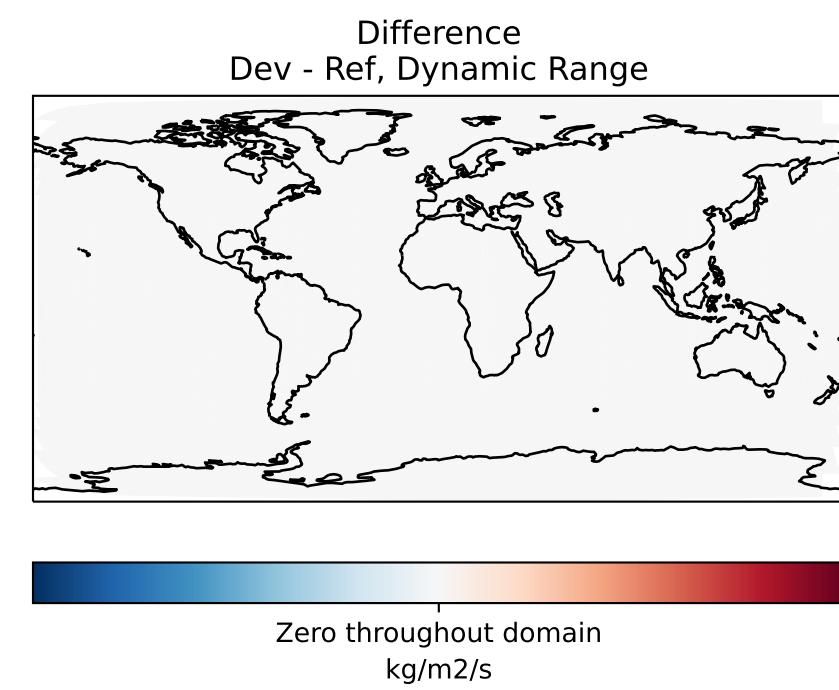
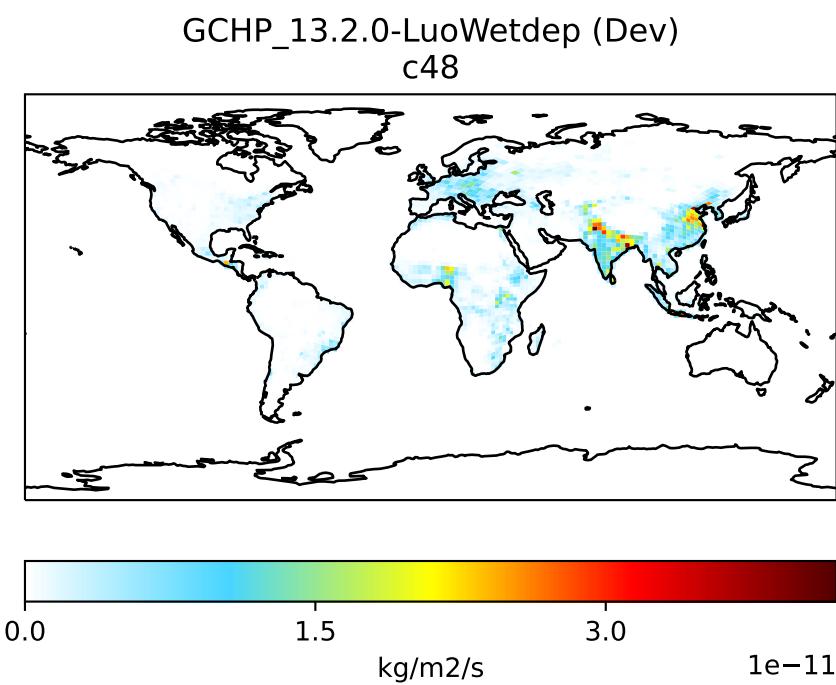
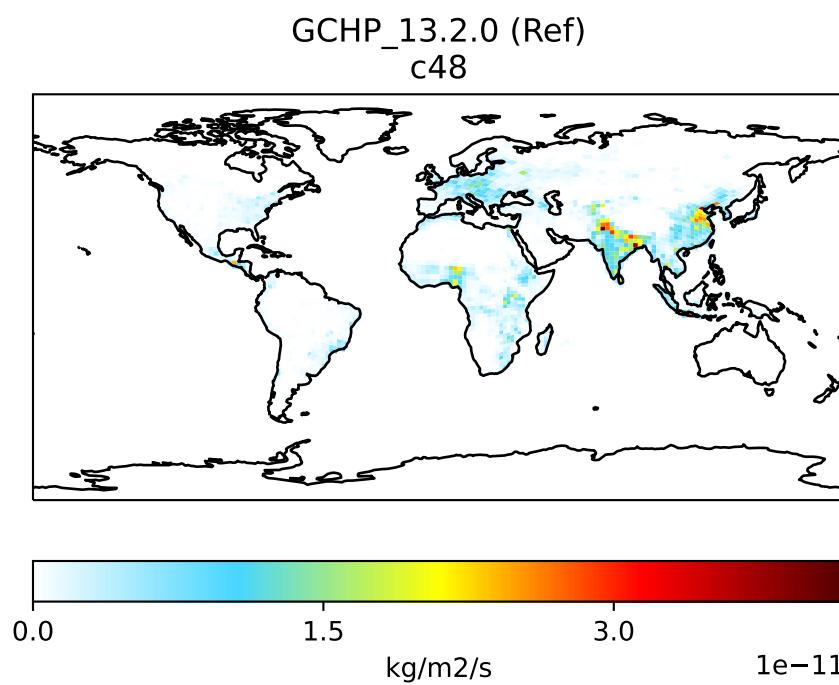
EmisOCPI_Ship (Jan2019)



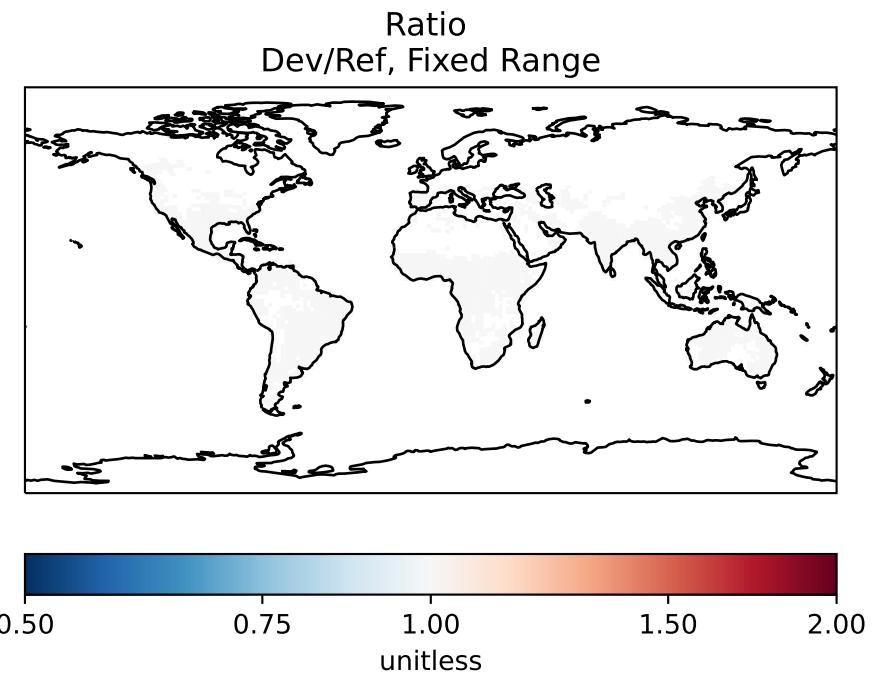
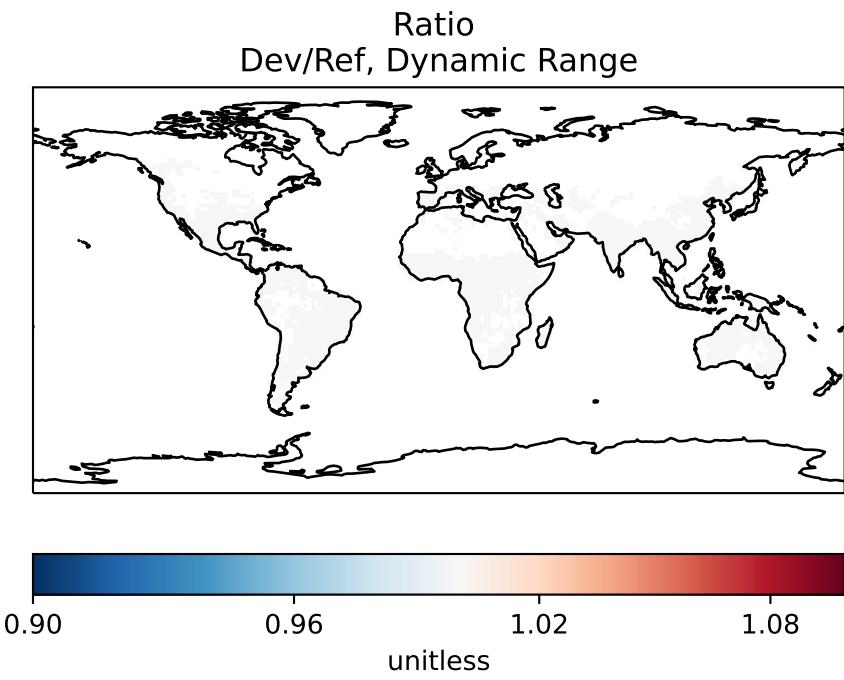
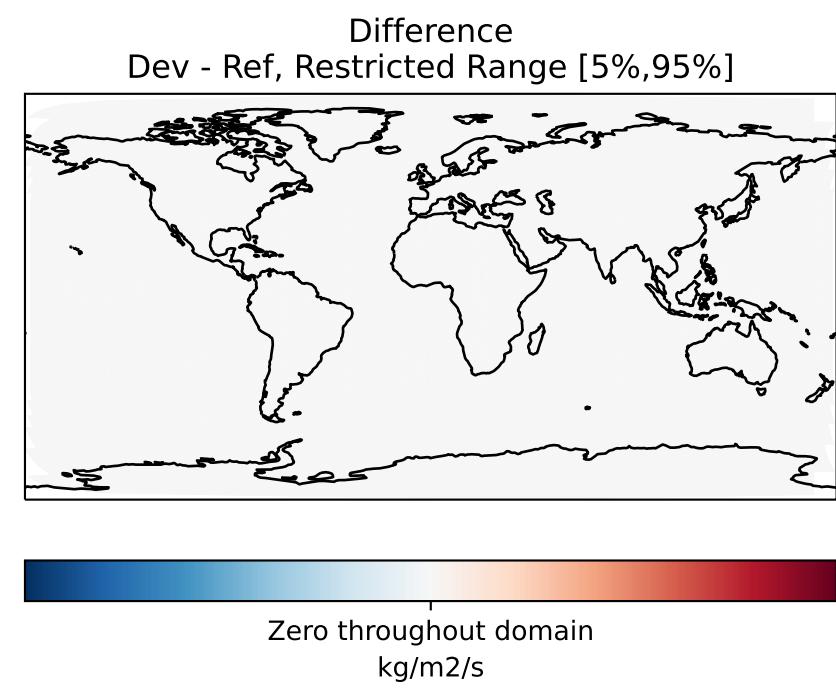
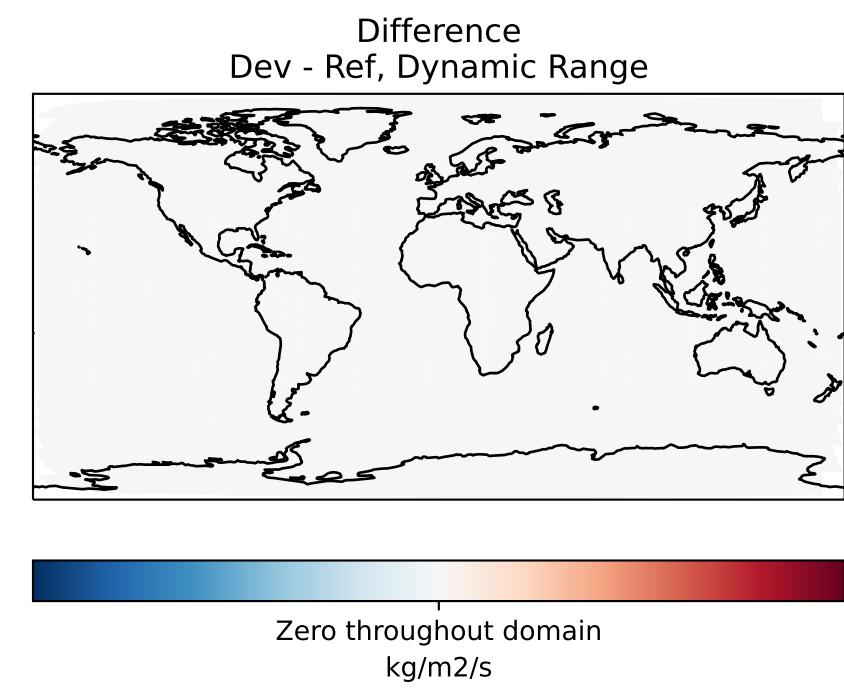
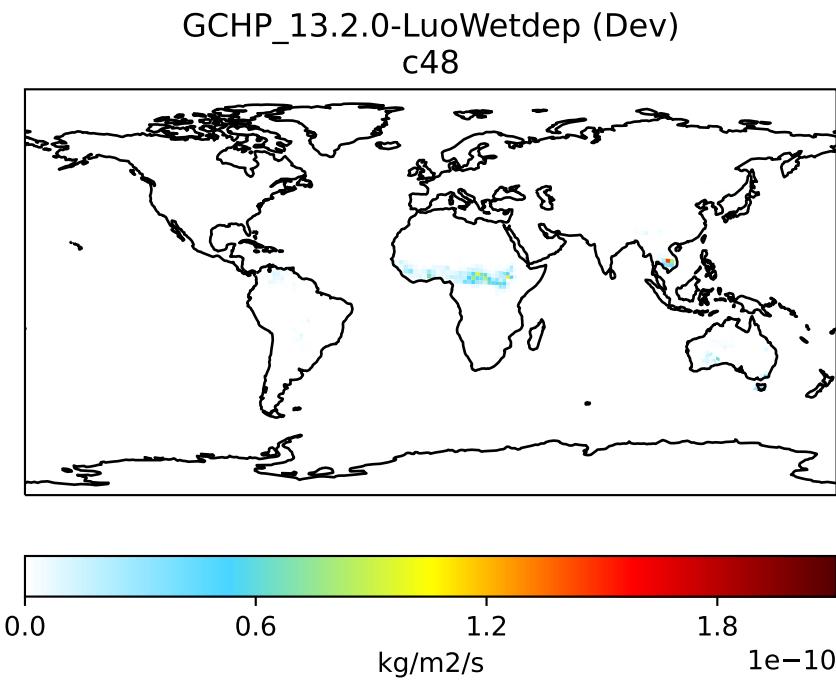
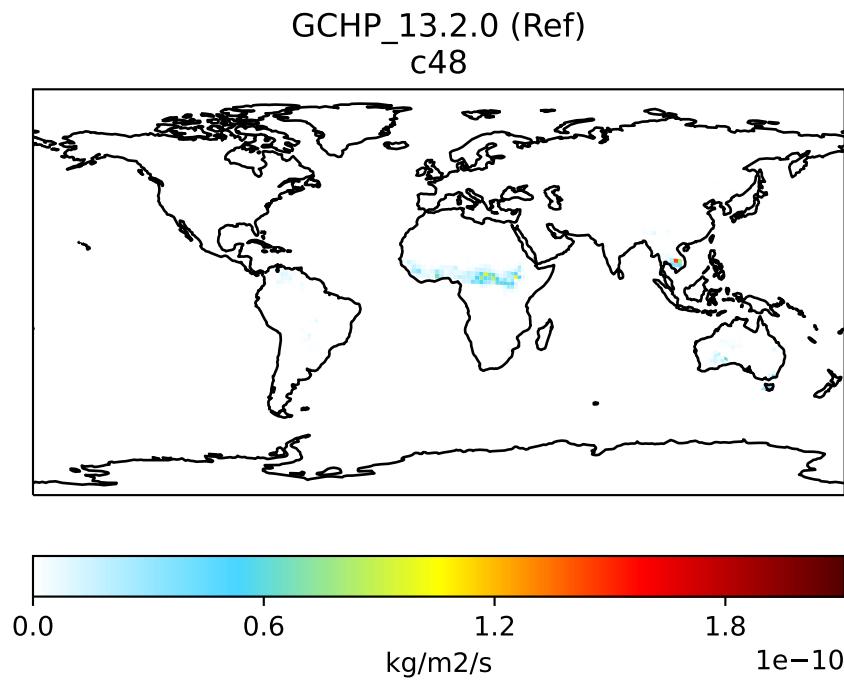
EmisOCPI_Total (Jan2019)



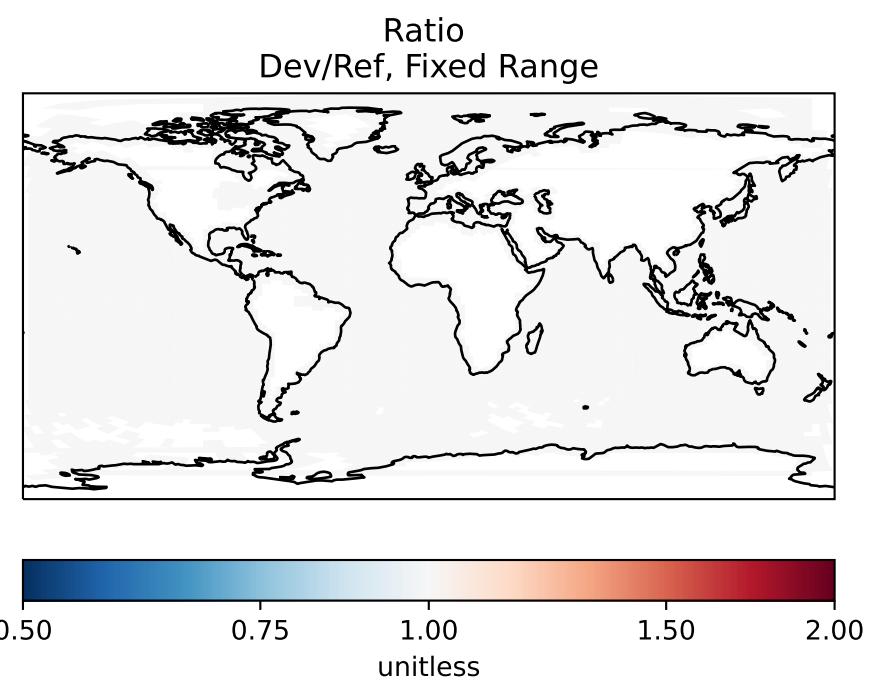
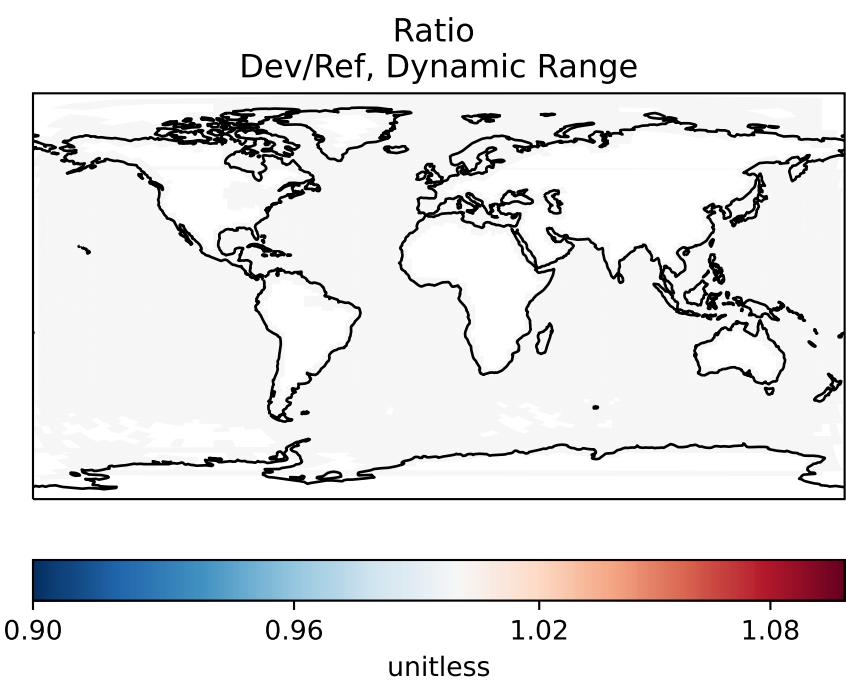
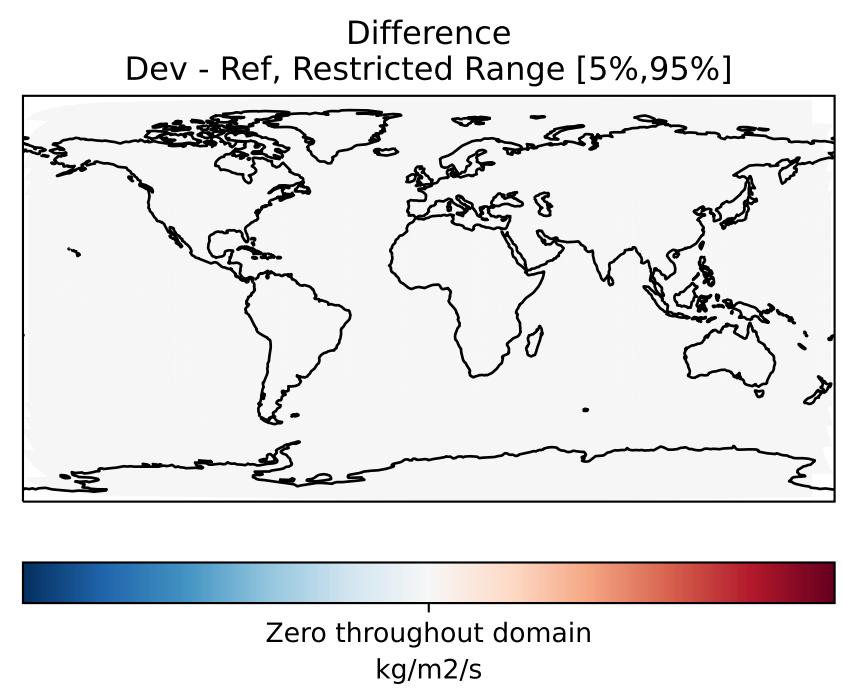
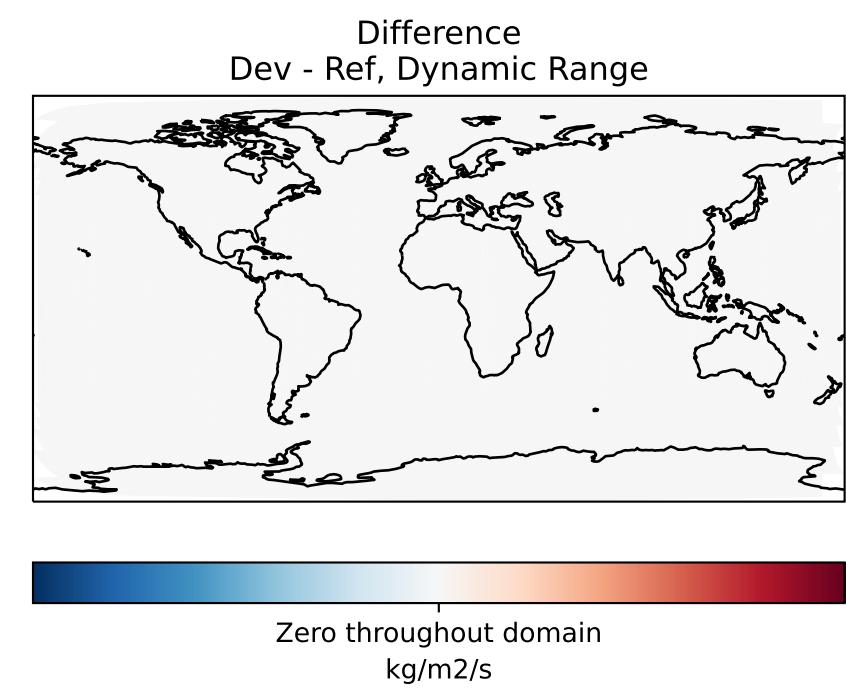
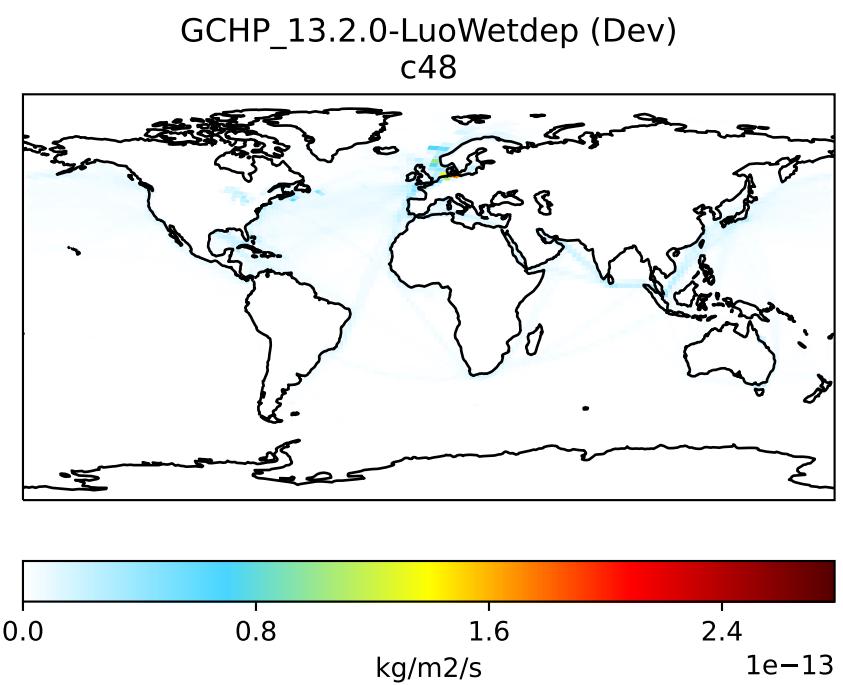
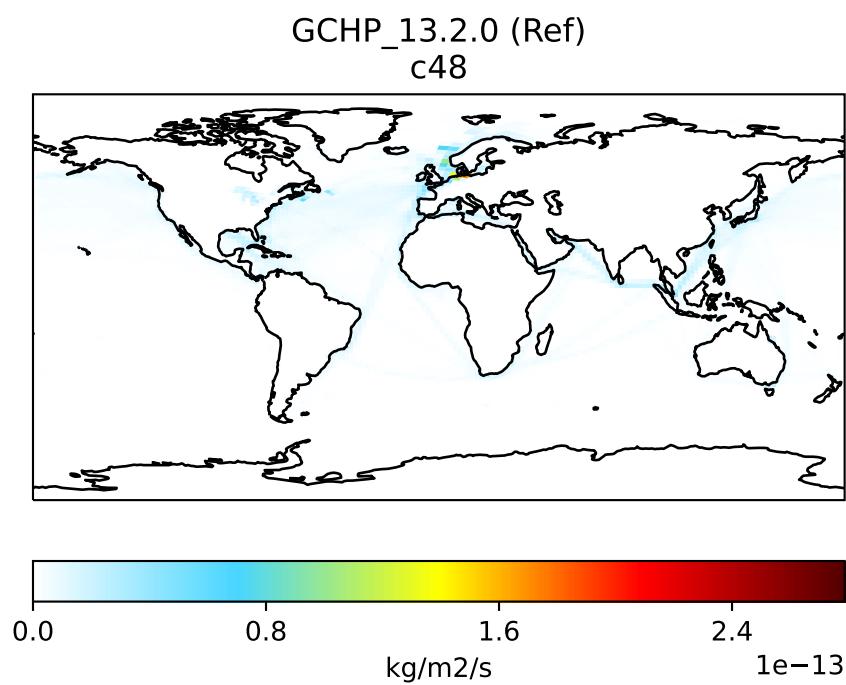
EmisOCPO_Anthro (Jan2019)



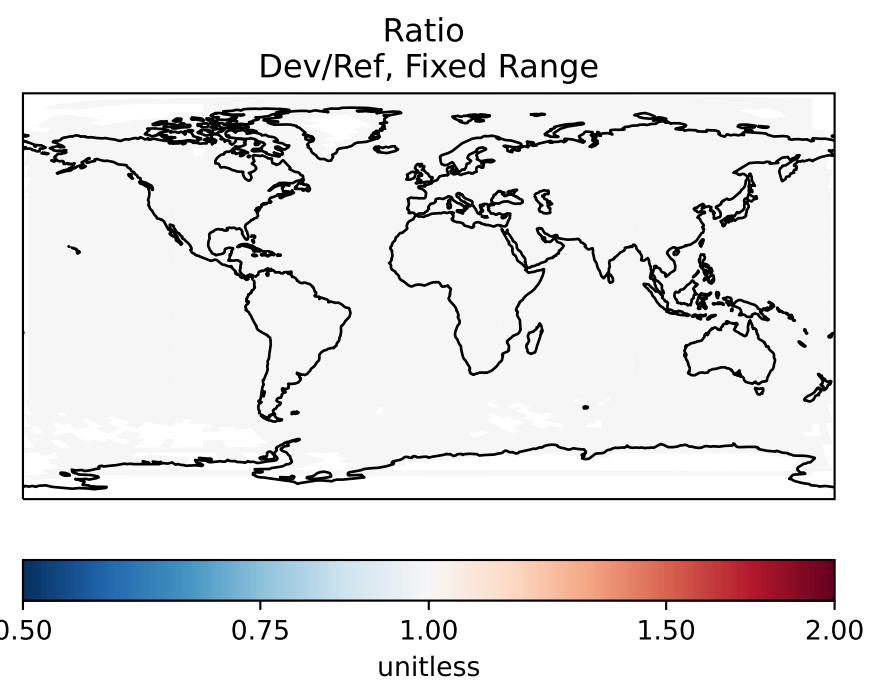
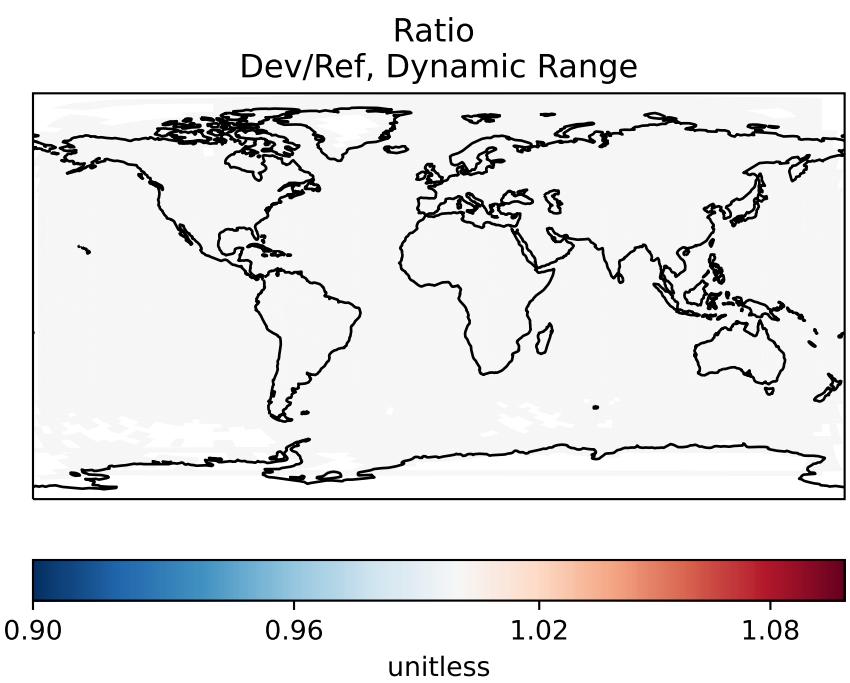
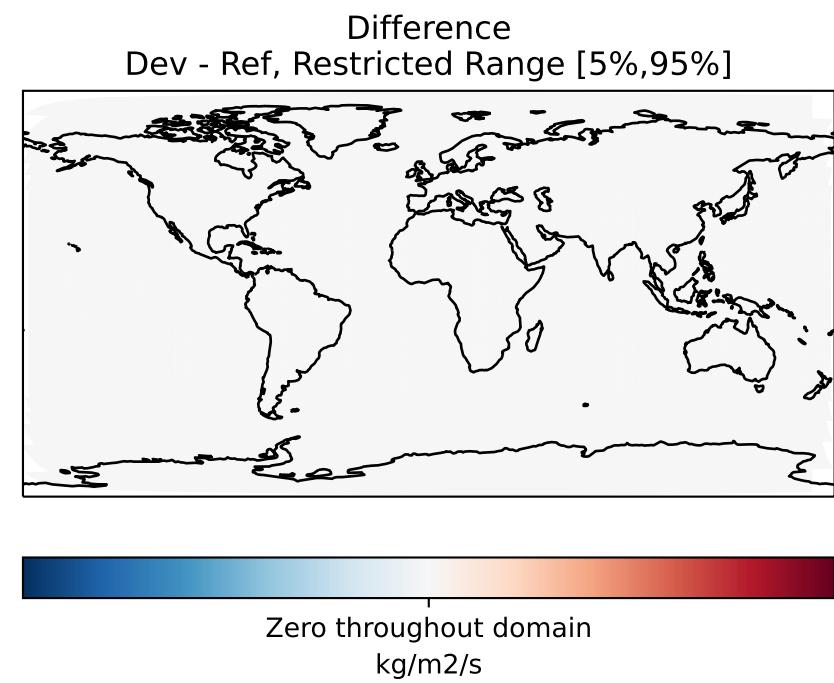
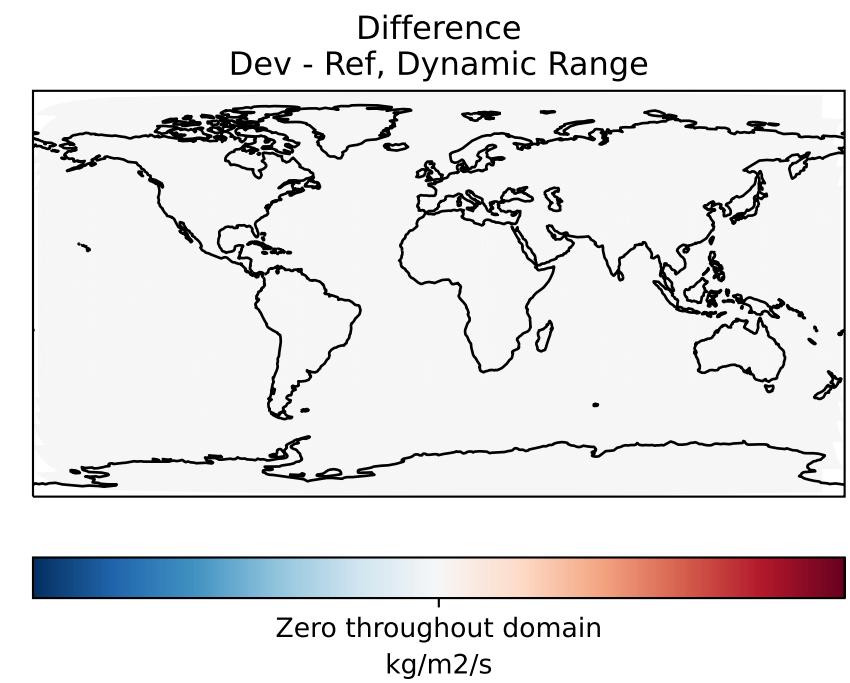
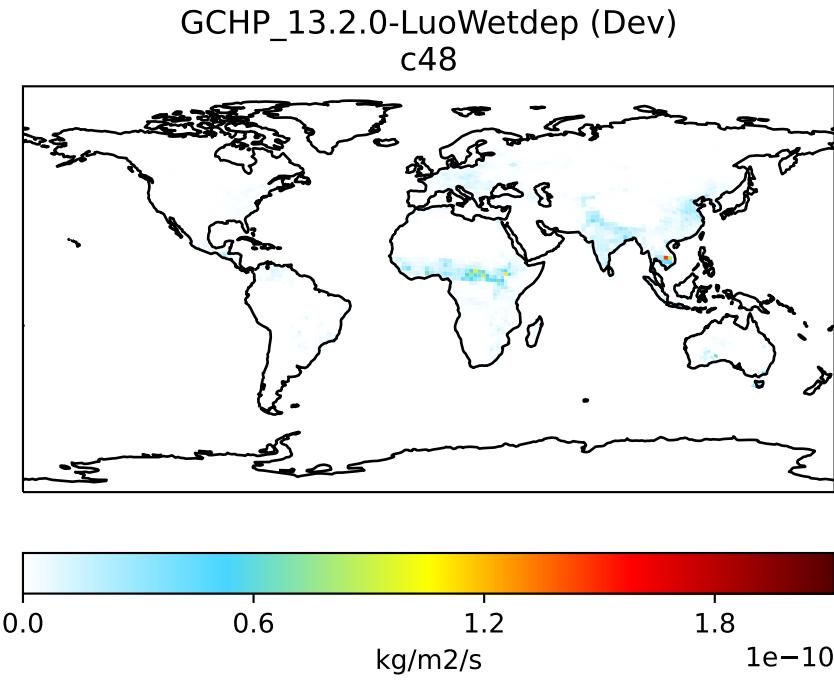
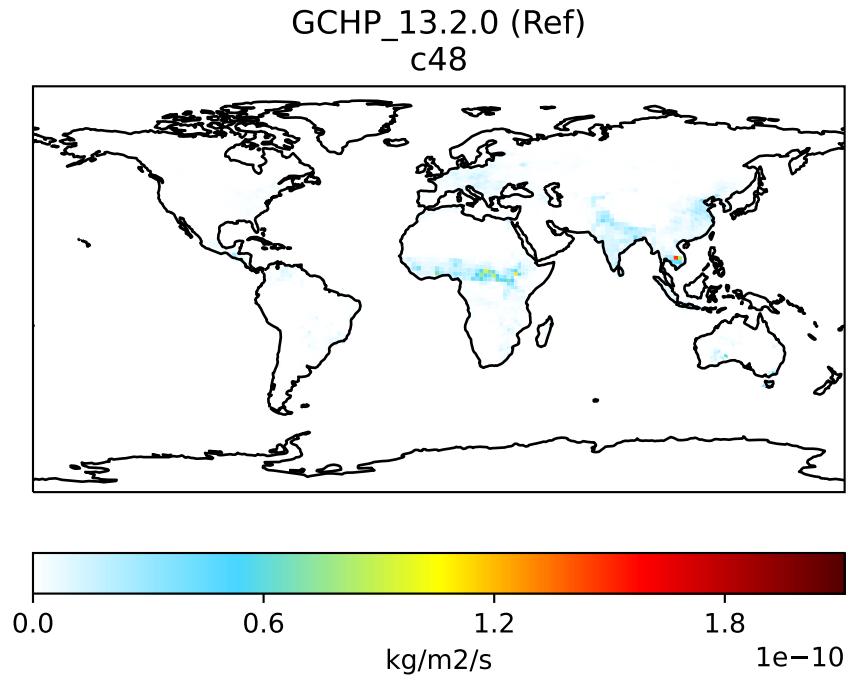
EmisOCPO_BioBurn (Jan2019)



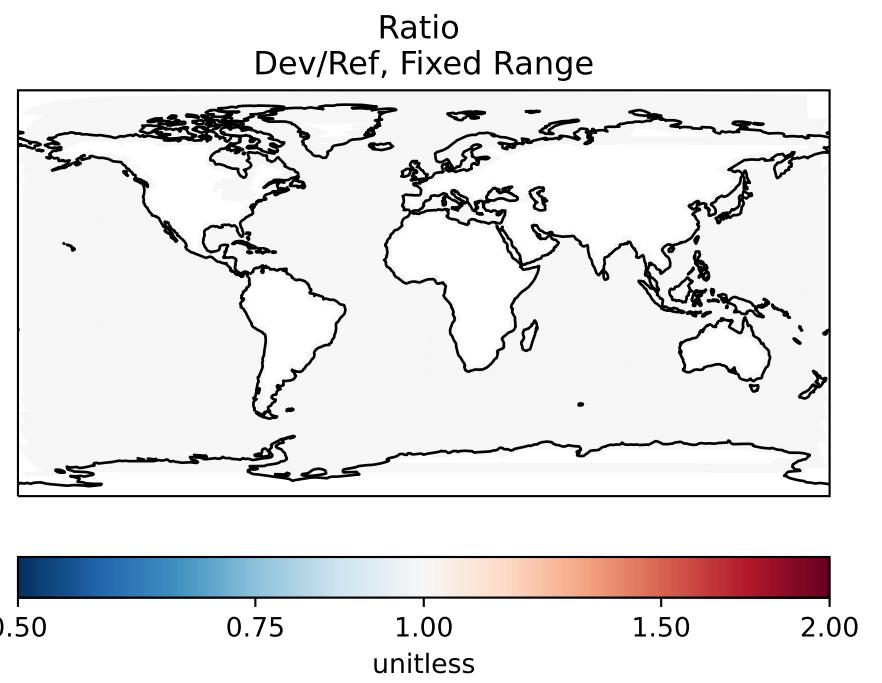
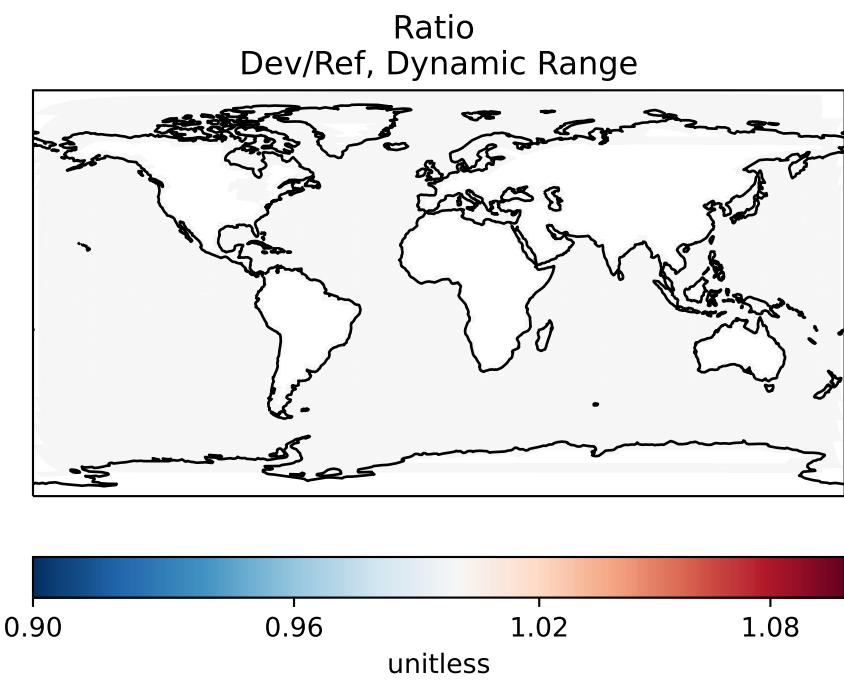
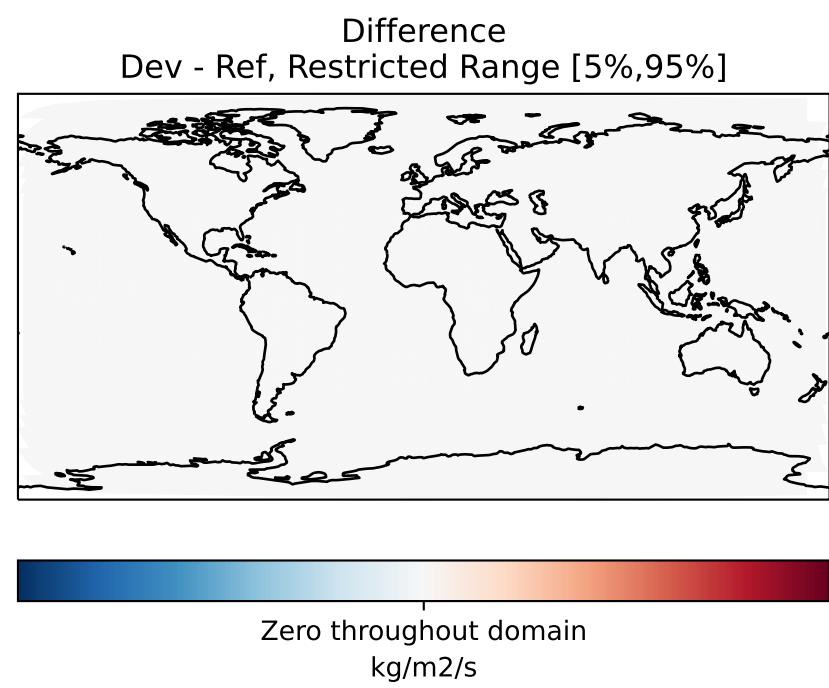
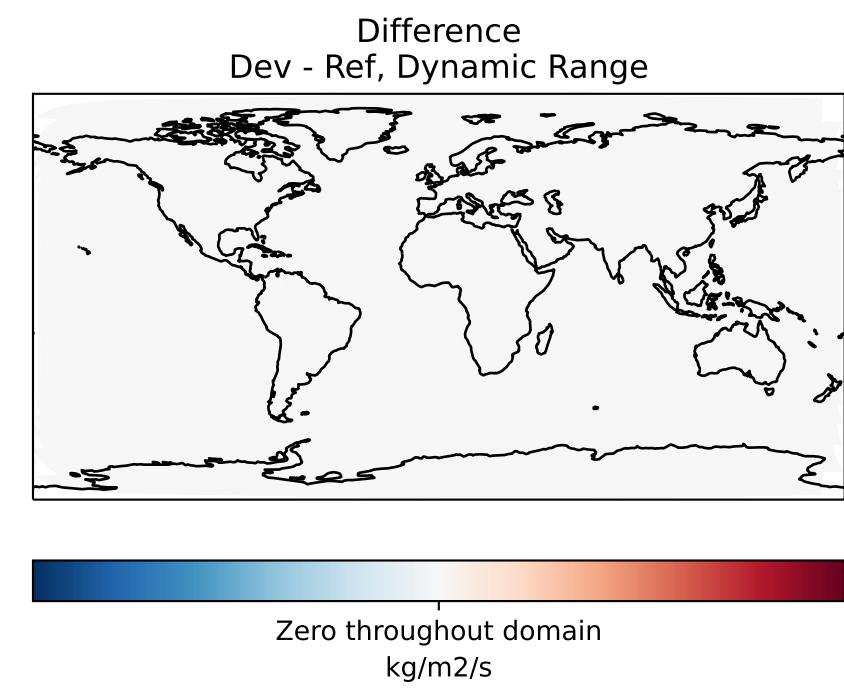
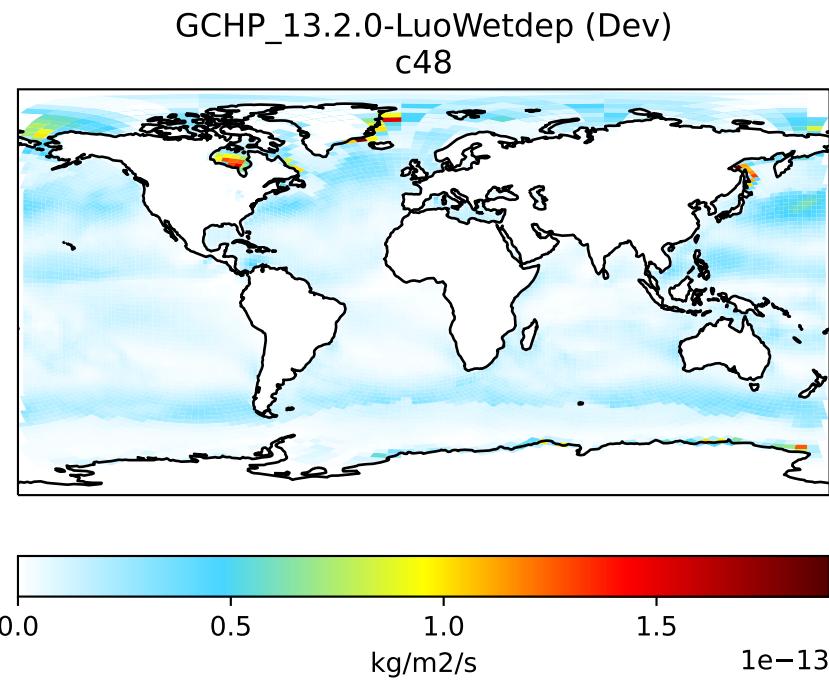
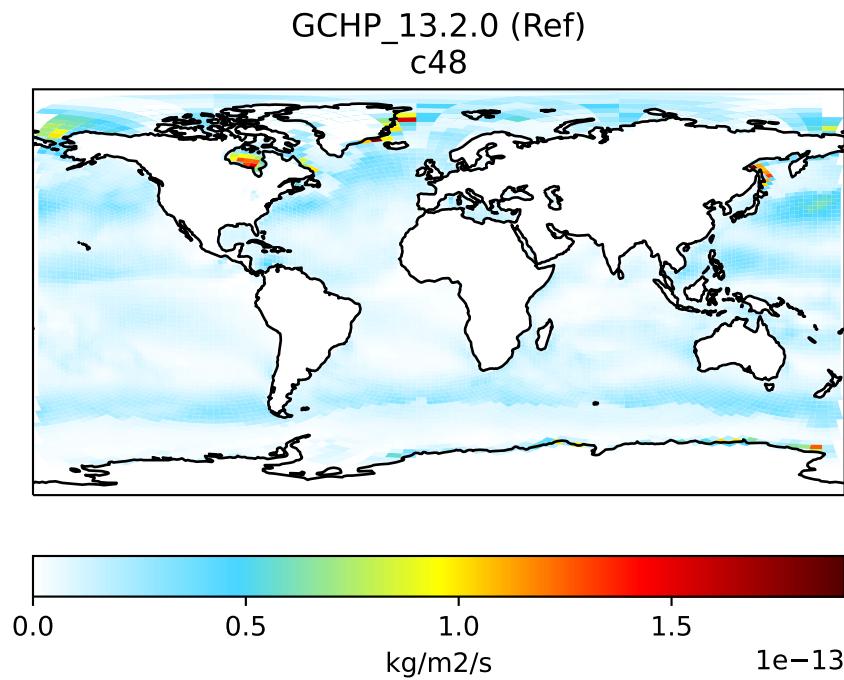
EmisOCPO_Ship (Jan2019)



EmisOCPO_Total (Jan2019)

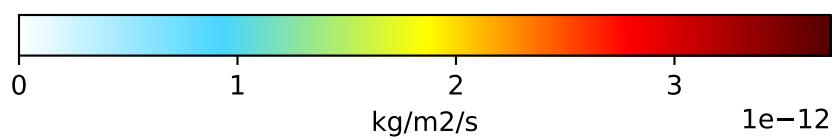
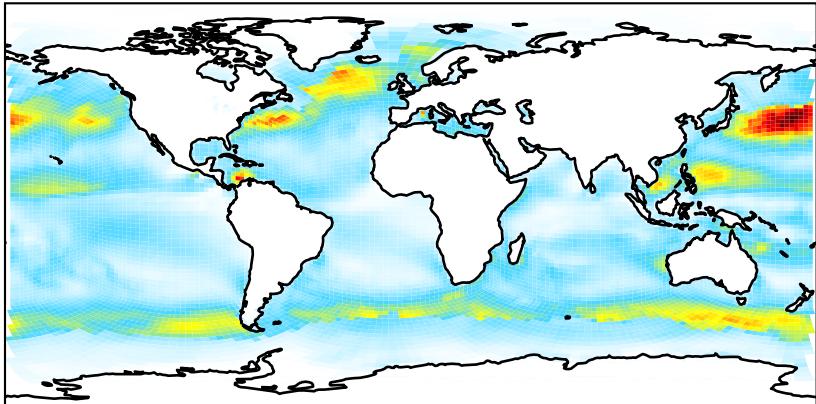


EmisBrSALA_Natural (Jan2019)

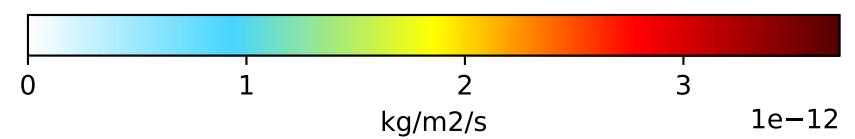
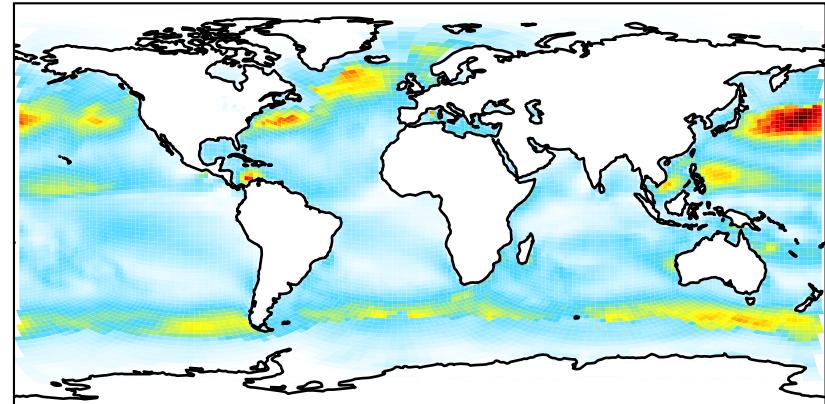


EmisBrSALC_Natural (Jan2019)

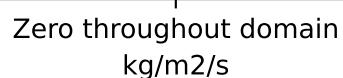
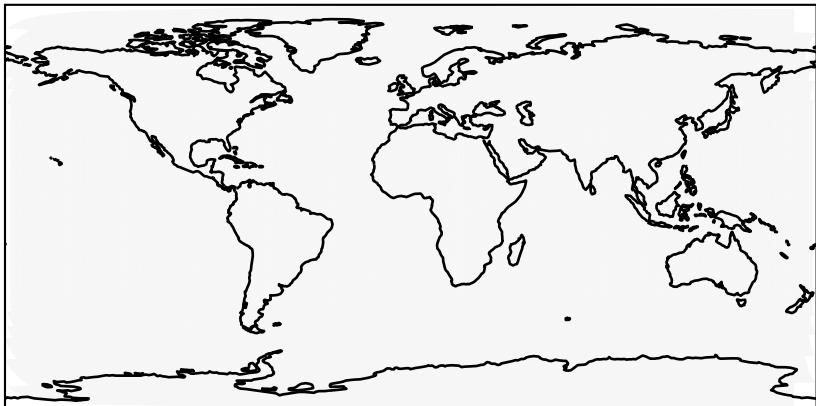
GCHP_13.2.0 (Ref)
c48



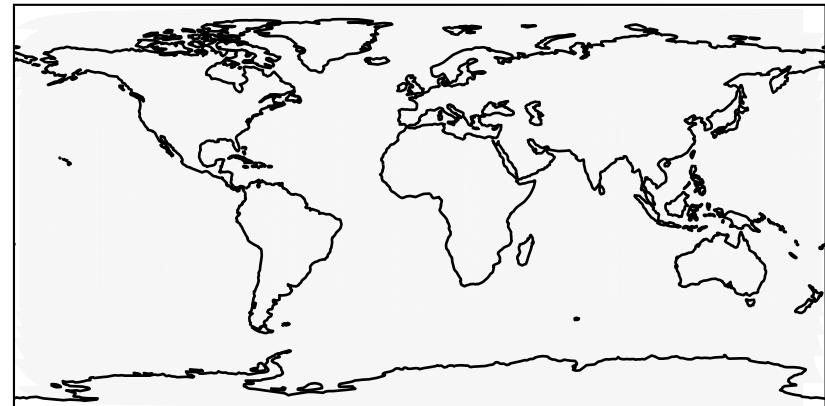
GCHP_13.2.0-LuoWetdep (Dev)
c48



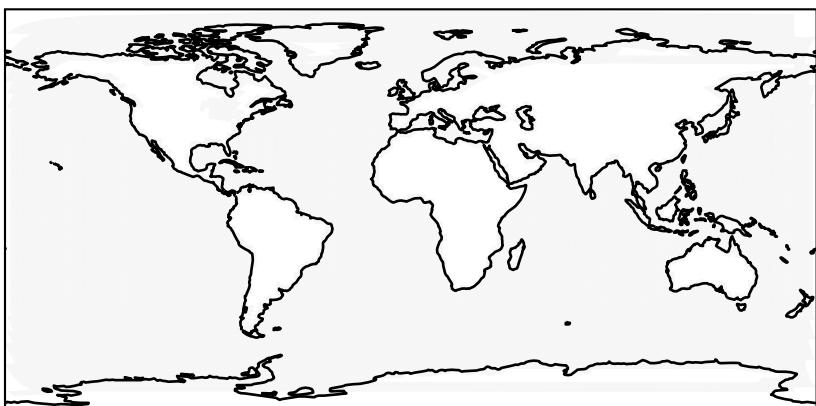
Difference
Dev - Ref, Dynamic Range



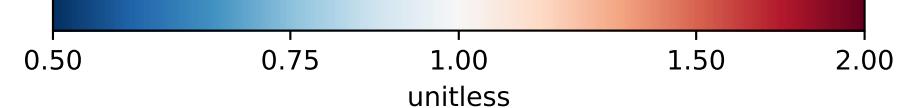
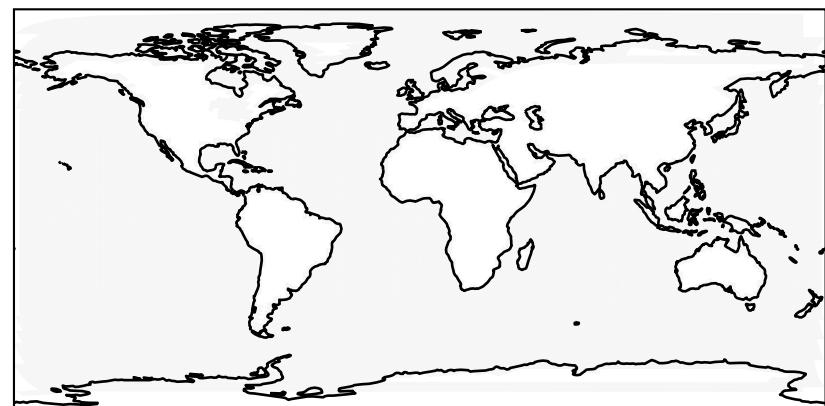
Difference
Dev - Ref, Restricted Range [5%,95%]



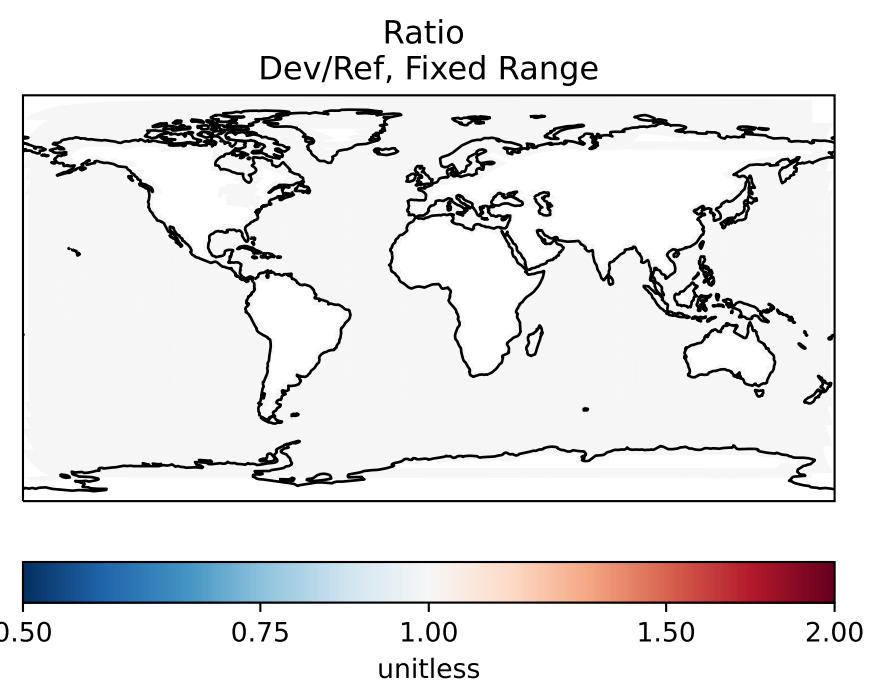
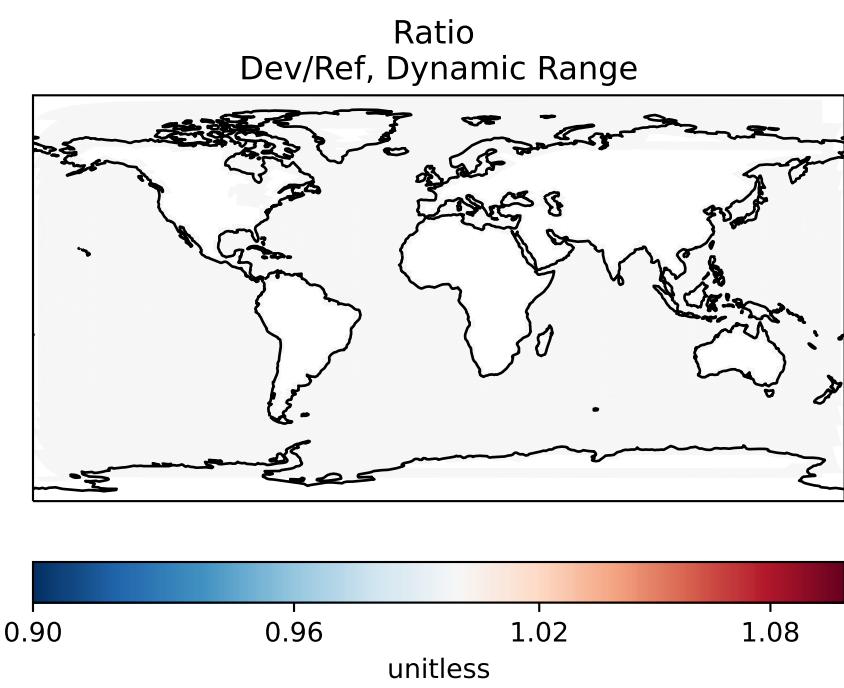
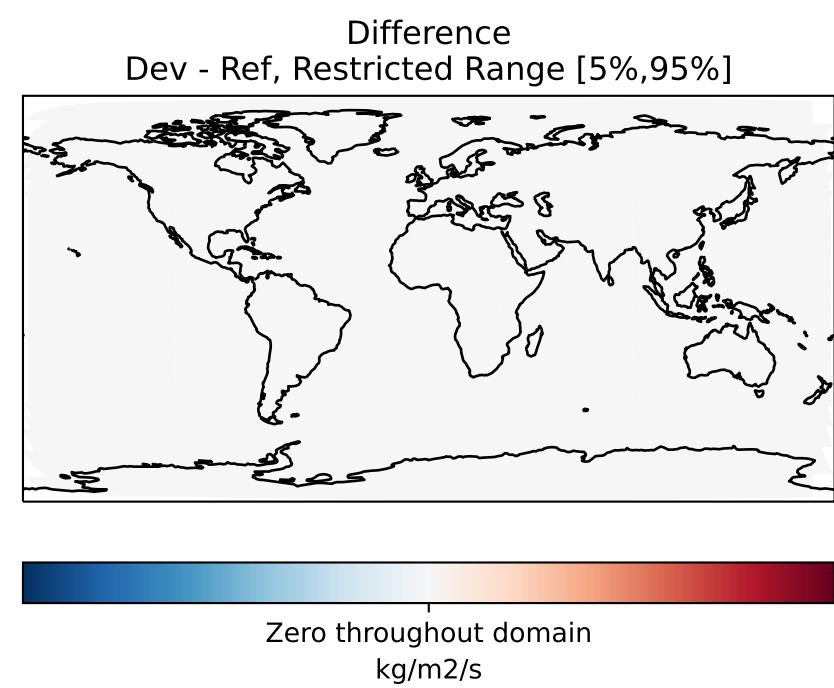
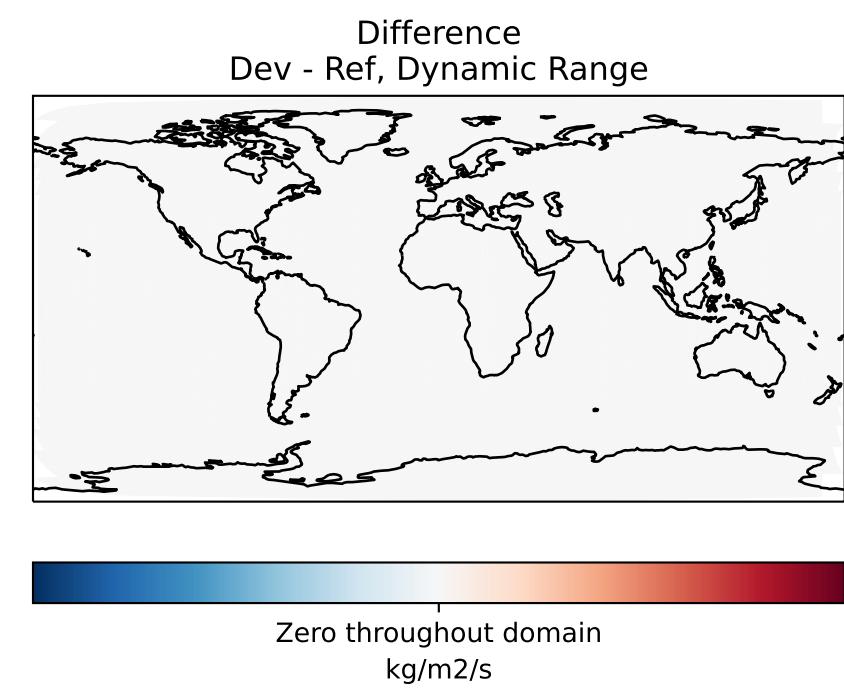
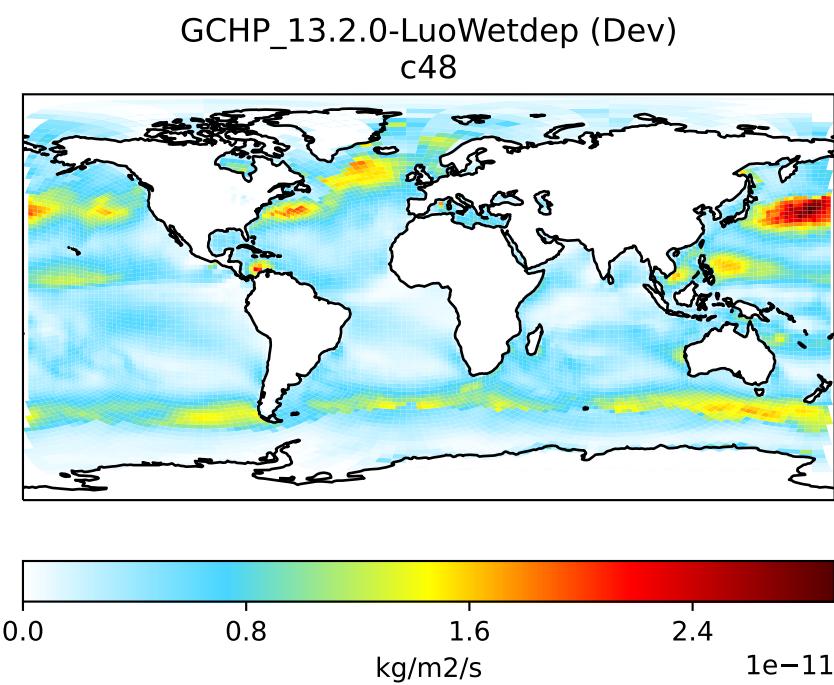
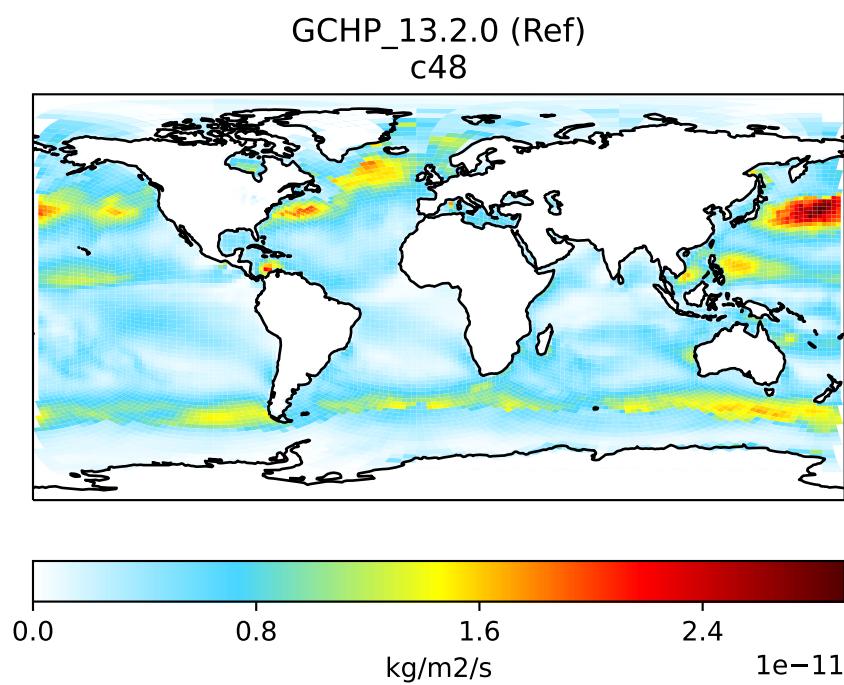
Ratio
Dev/Ref, Dynamic Range



Ratio
Dev/Ref, Fixed Range

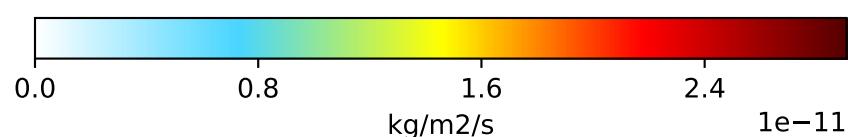
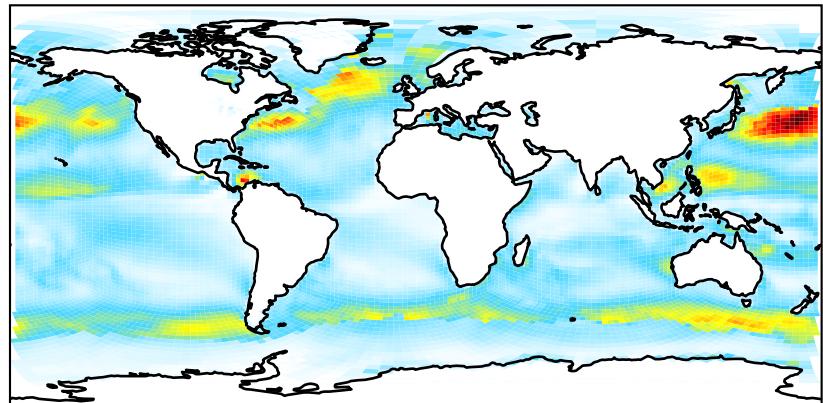


EmisSALA_Natural (Jan2019)

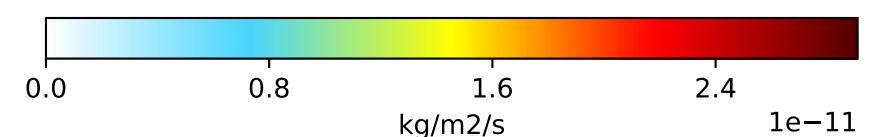
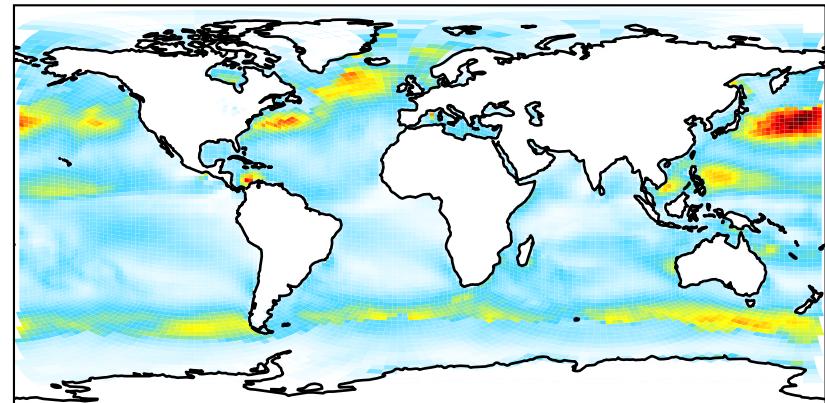


EmisSALAAL_Natural (Jan2019)

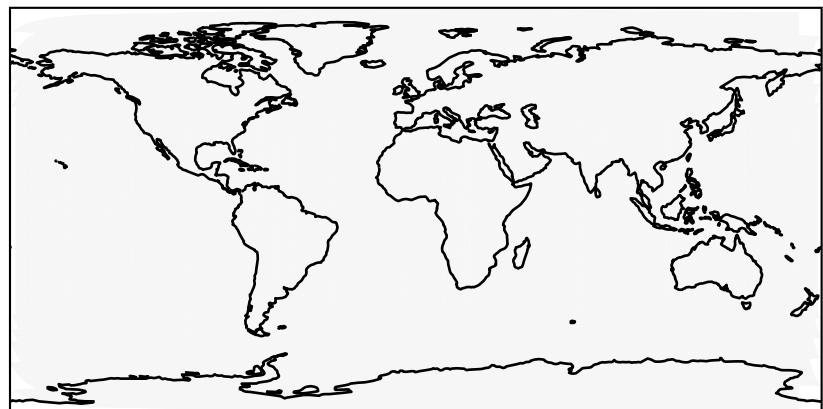
GCHP_13.2.0 (Ref)
c48



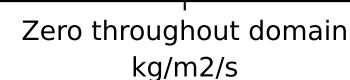
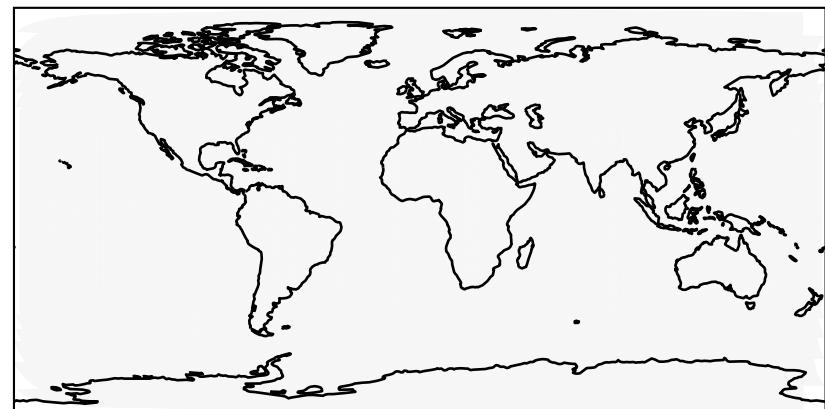
GCHP_13.2.0-LuoWetdep (Dev)
c48



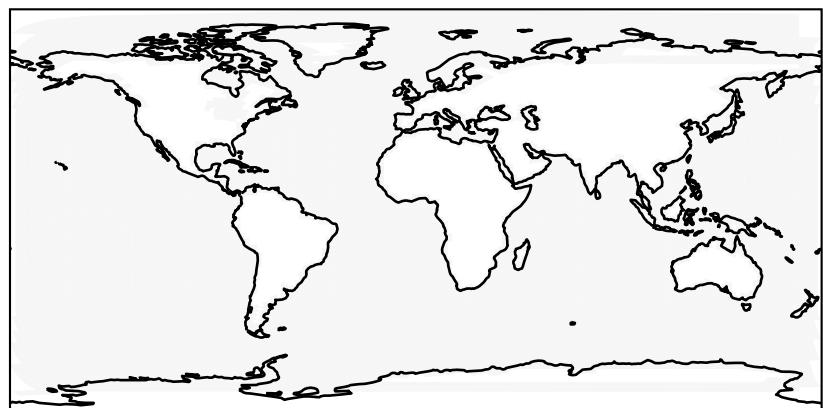
Difference
Dev - Ref, Dynamic Range



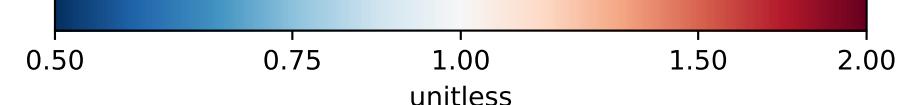
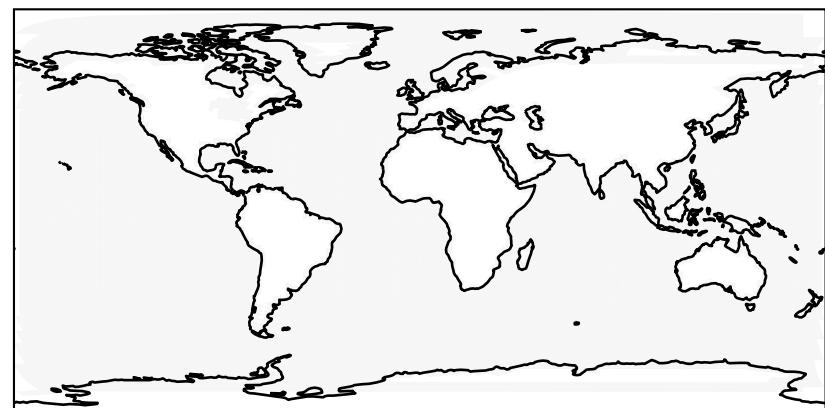
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

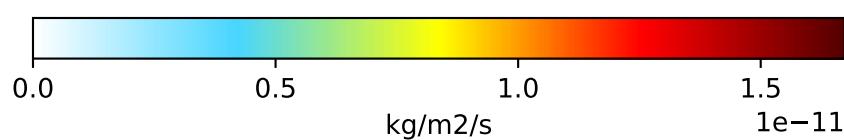
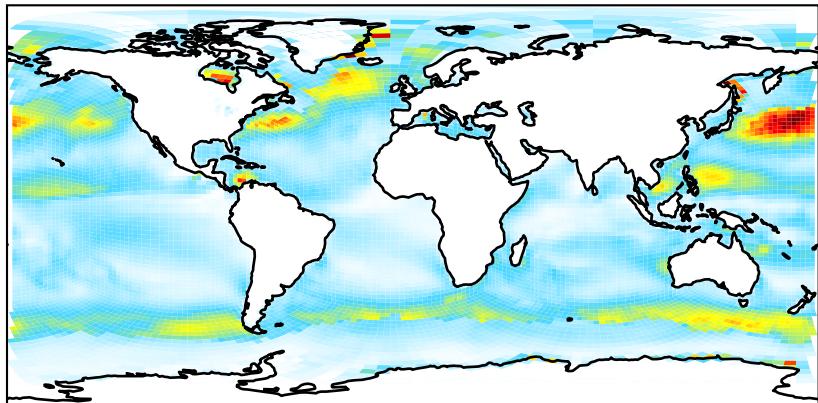


Ratio
Dev/Ref, Fixed Range

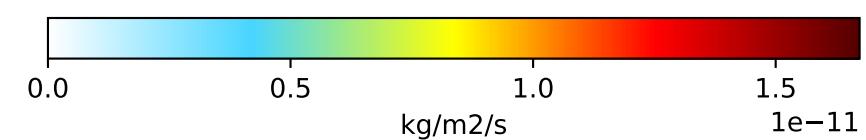
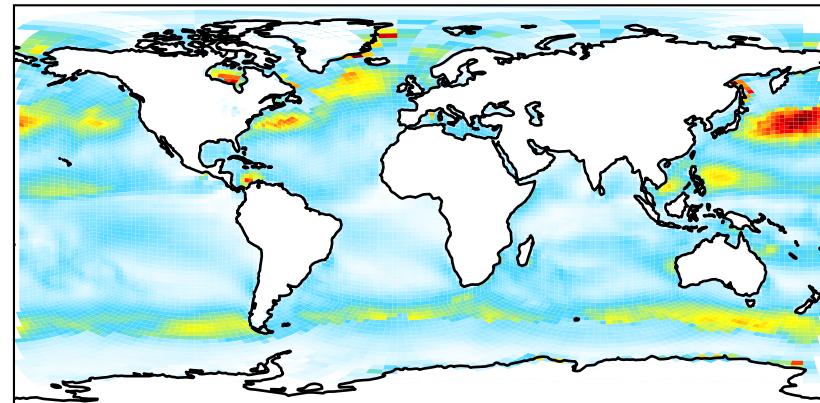


EmisSALACL_Natural (Jan2019)

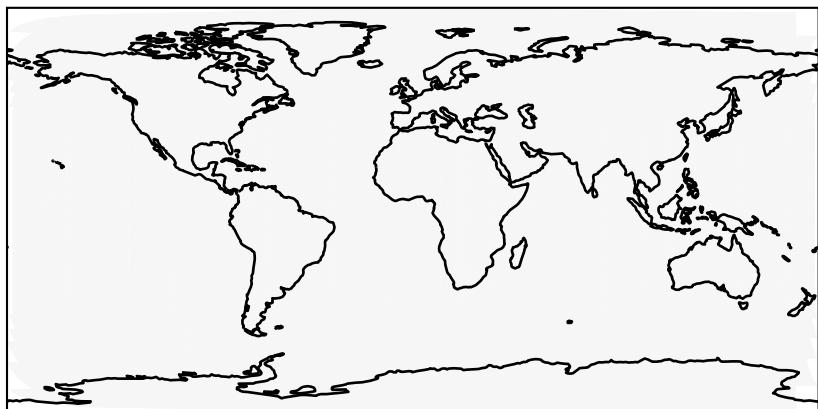
GCHP_13.2.0 (Ref)
c48



GCHP_13.2.0-LuoWetdep (Dev)
c48

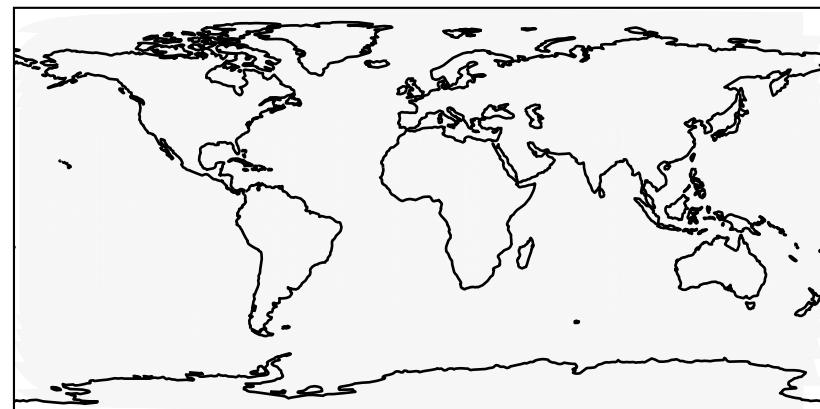


Difference
Dev - Ref, Dynamic Range



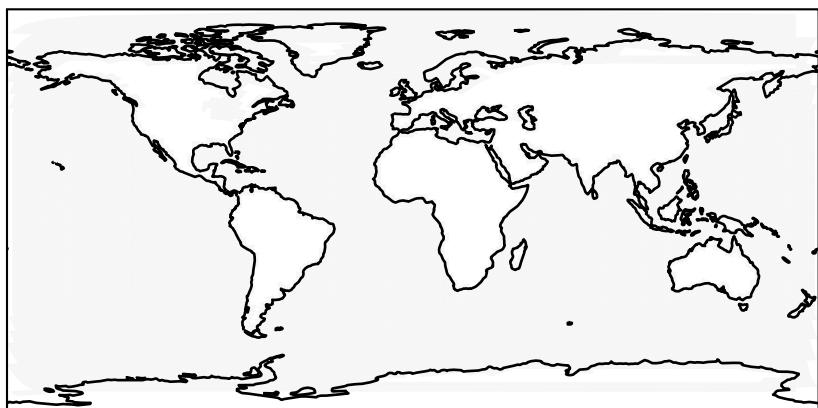
Zero throughout domain
kg/m²/s

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



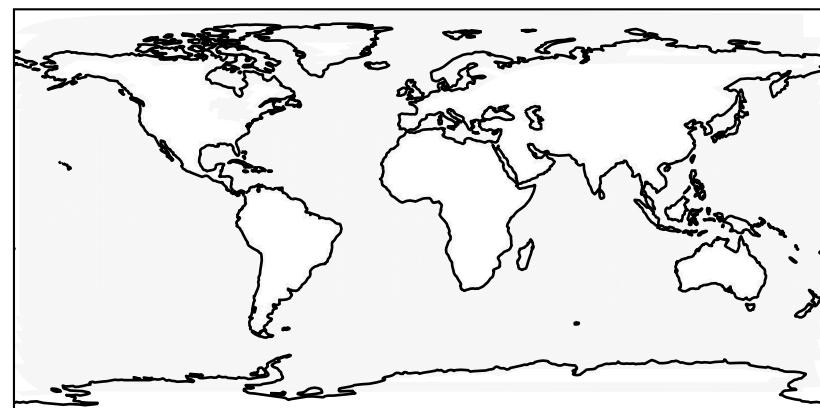
Zero throughout domain
kg/m²/s

Ratio
Dev/Ref, Dynamic Range



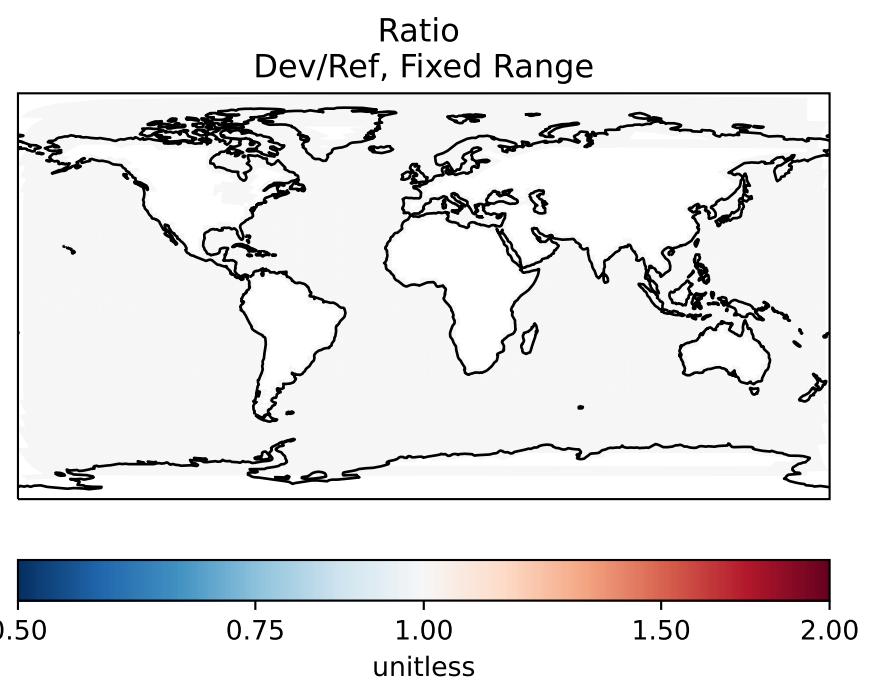
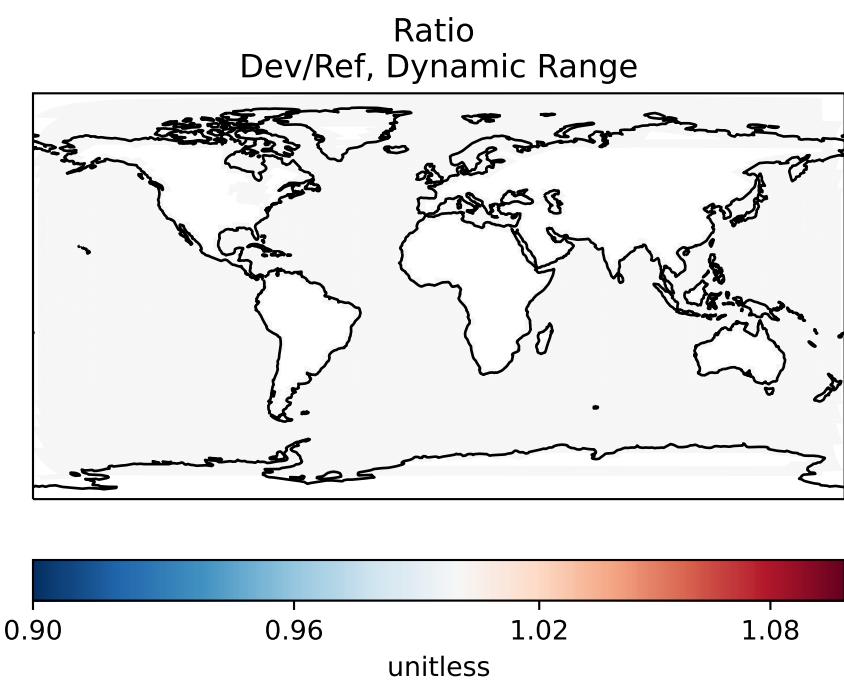
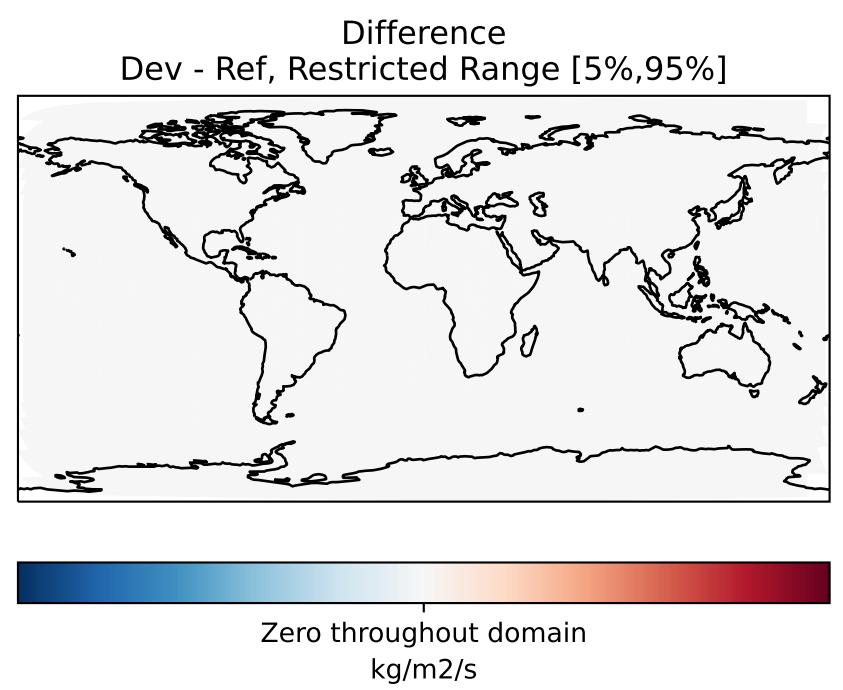
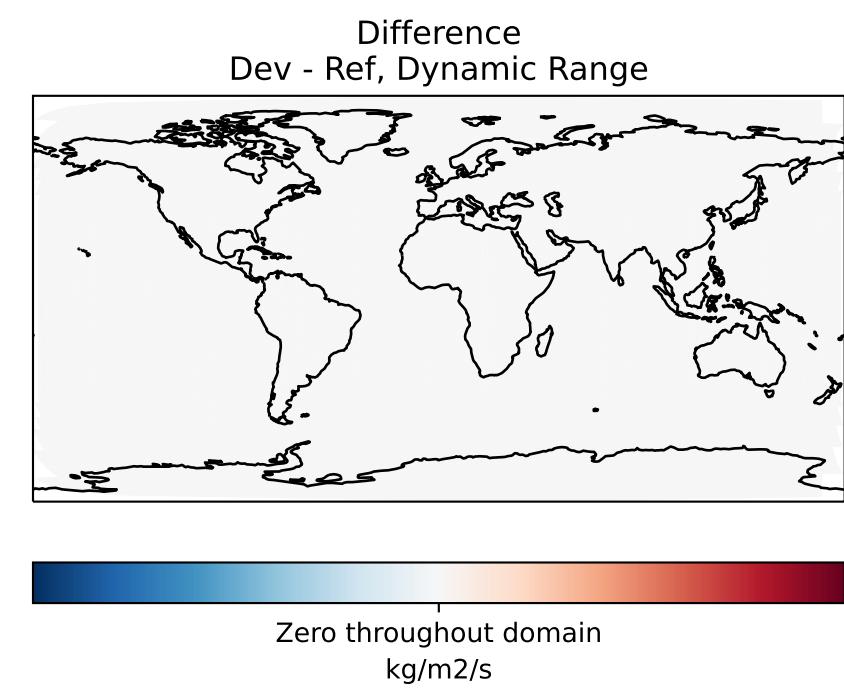
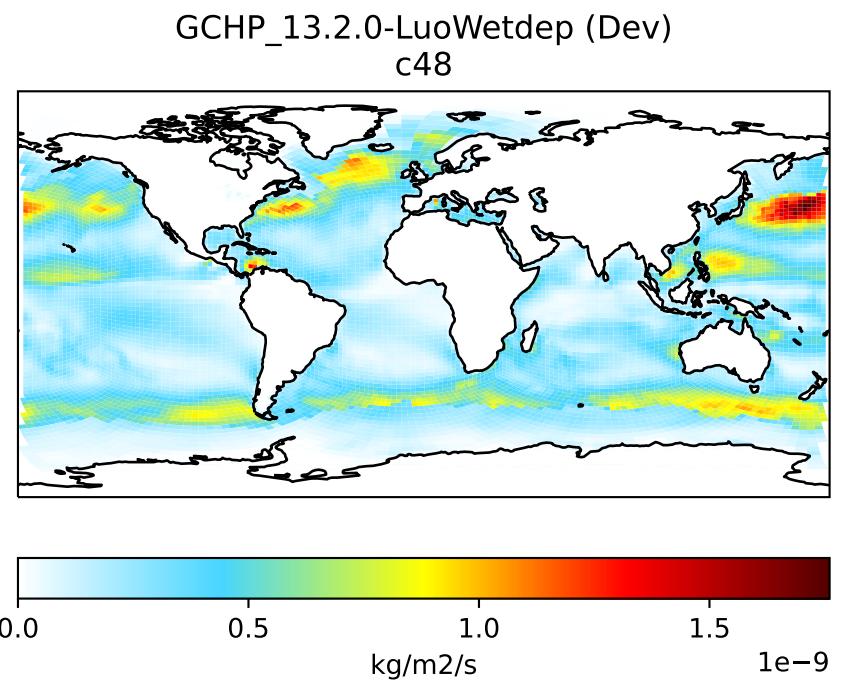
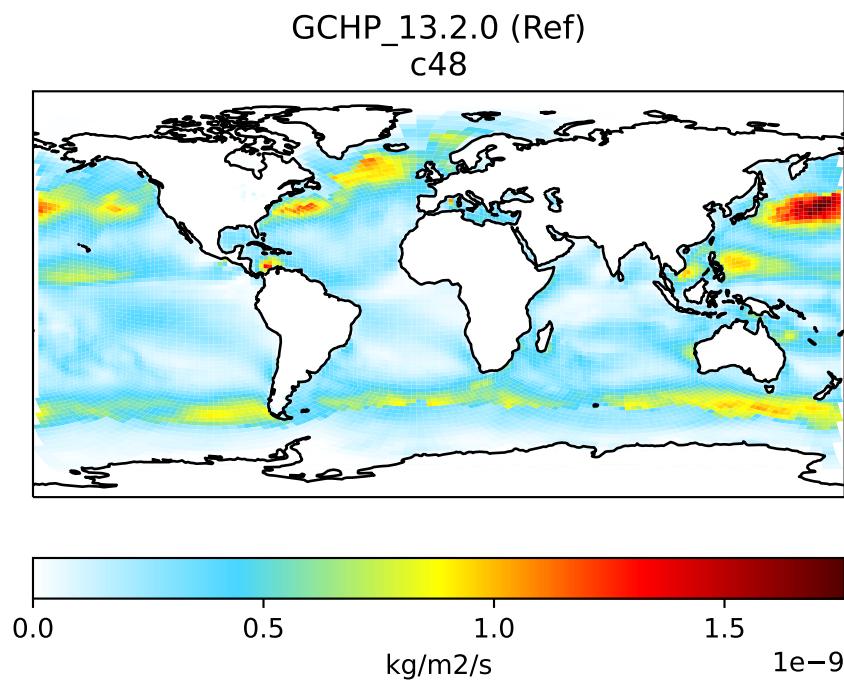
0.90 0.96 1.02 1.08
unitless

Ratio
Dev/Ref, Fixed Range



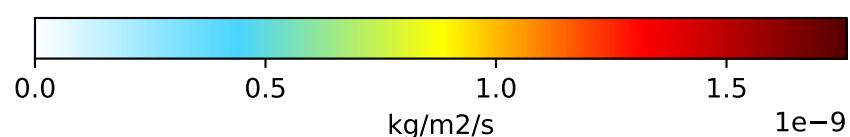
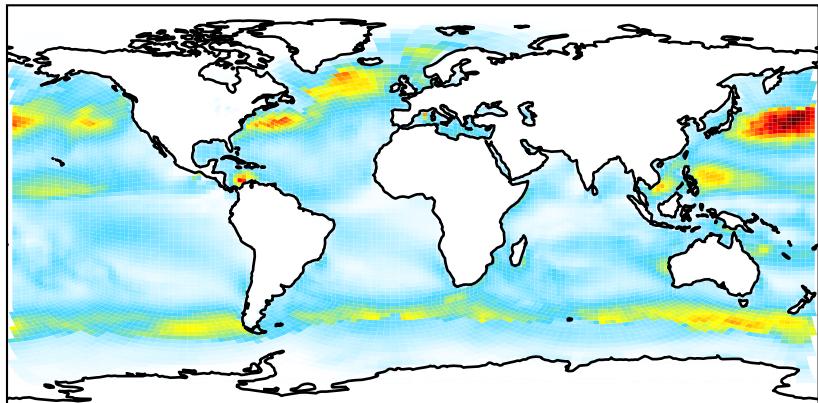
0.50 0.75 1.00 1.50 2.00
unitless

EmisSALC_Natural (Jan2019)

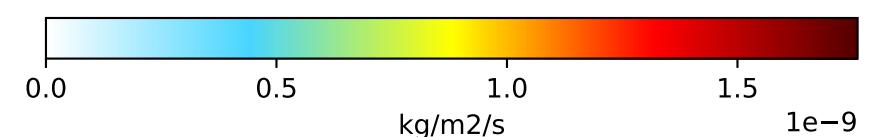
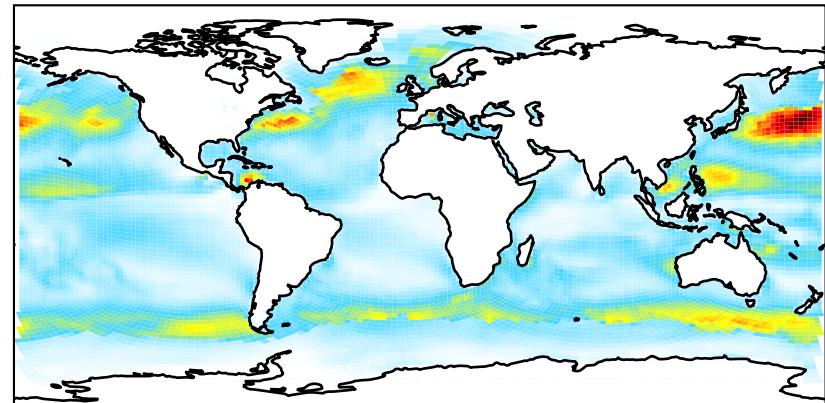


EmisSALCAL_Natural (Jan2019)

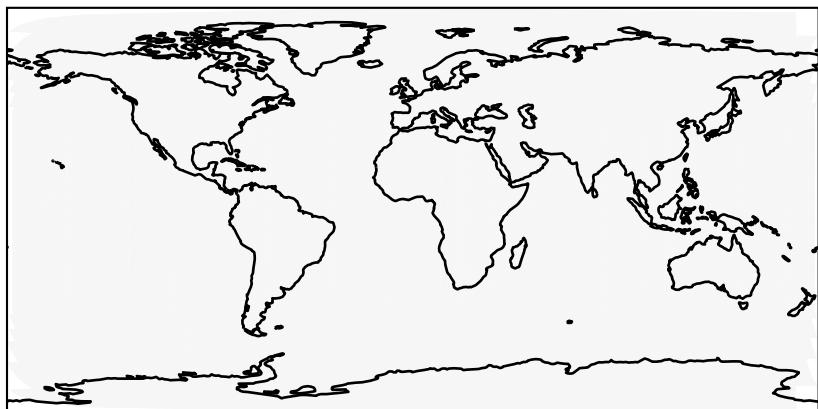
GCHP_13.2.0 (Ref)
c48



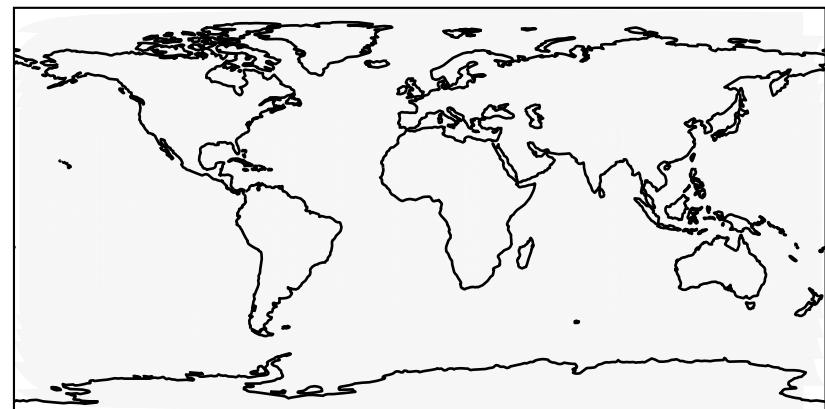
GCHP_13.2.0-LuoWetdep (Dev)
c48



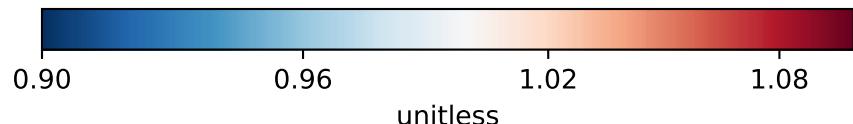
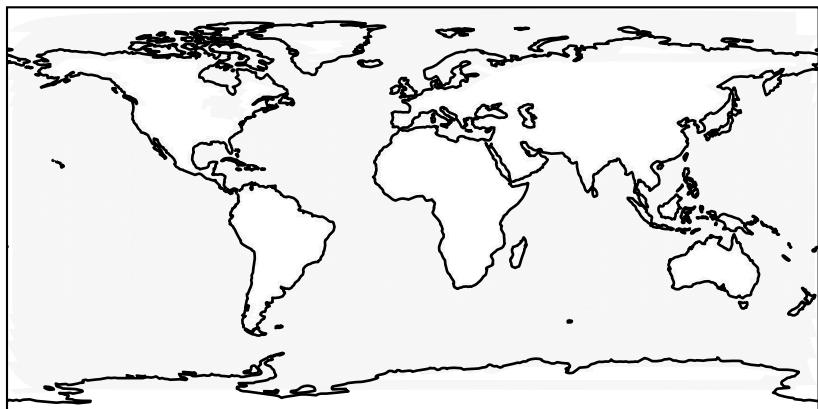
Difference
Dev - Ref, Dynamic Range



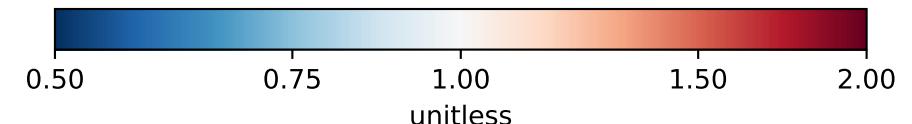
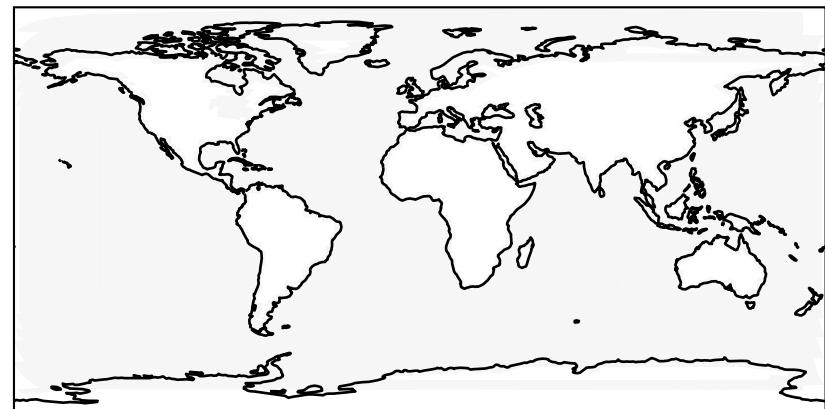
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

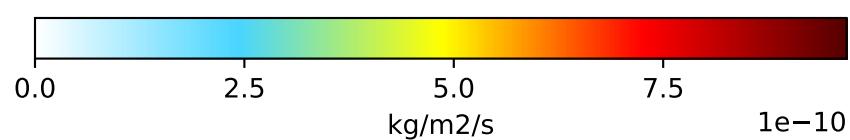
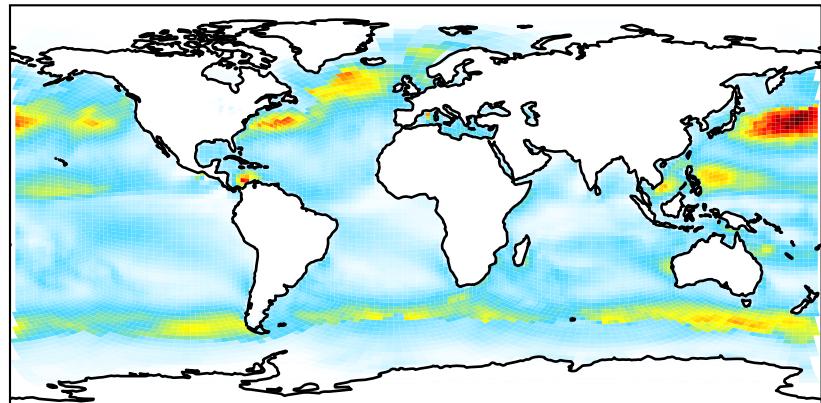


Ratio
Dev/Ref, Fixed Range

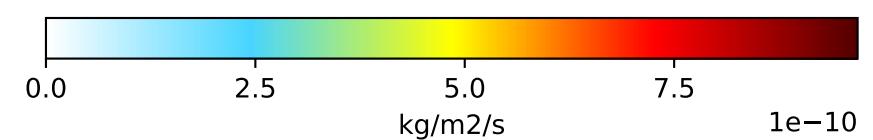
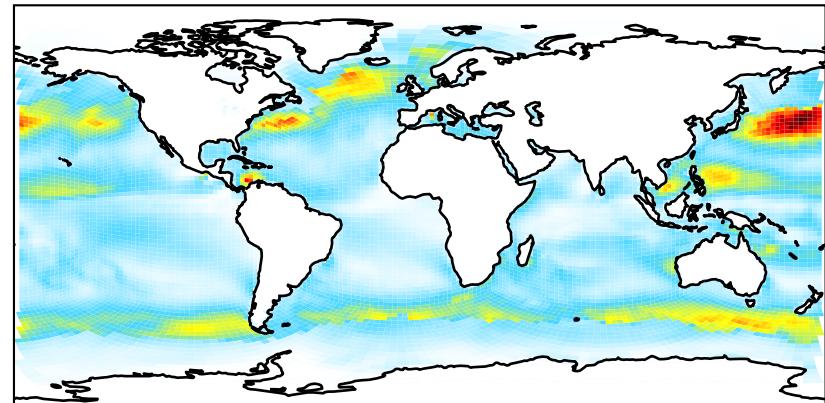


EmisSALCCL_Natural (Jan2019)

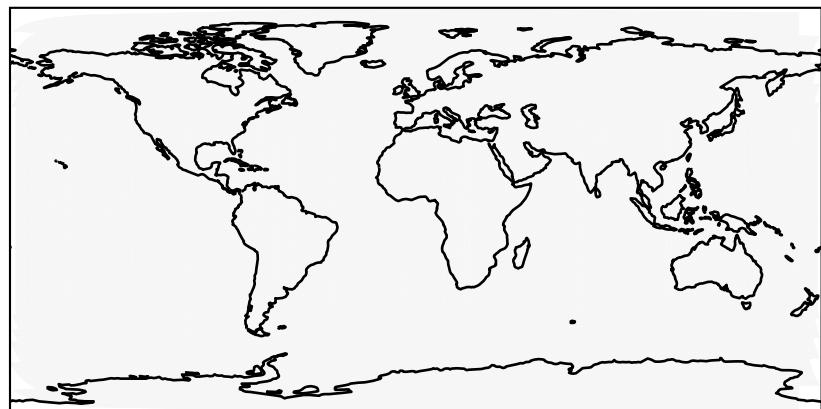
GCHP_13.2.0 (Ref)
c48



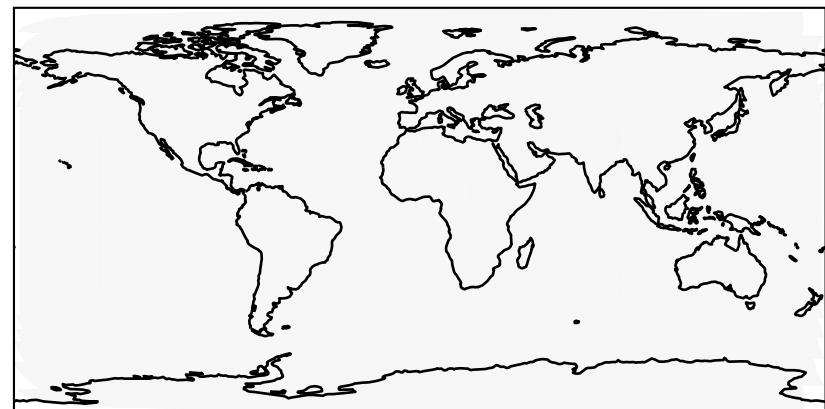
GCHP_13.2.0-LuoWetdep (Dev)
c48



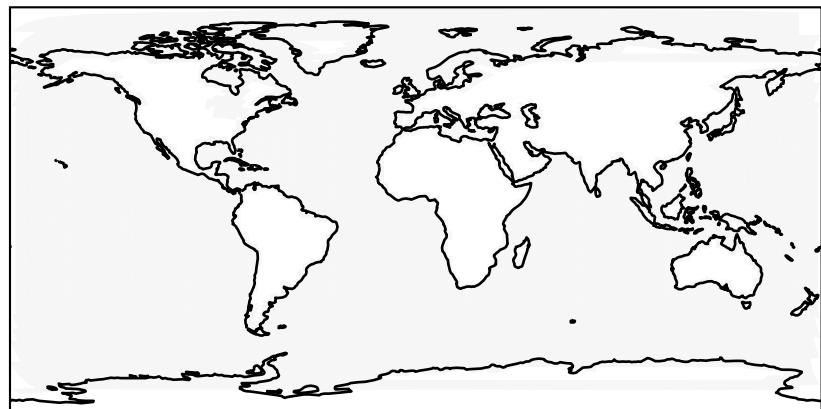
Difference
Dev - Ref, Dynamic Range



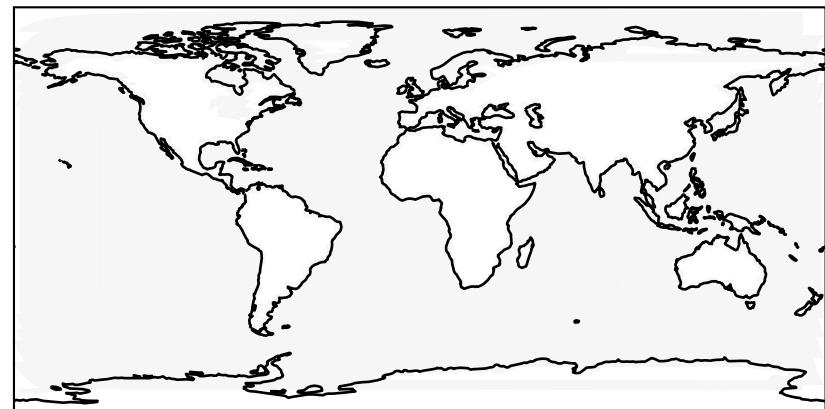
Difference
Dev - Ref, Restricted Range [5%,95%]



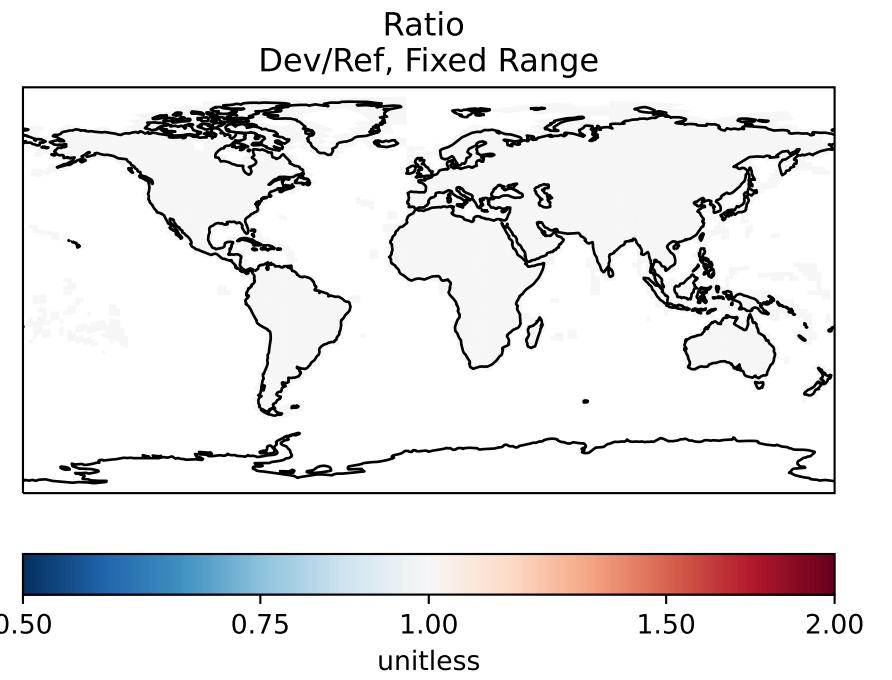
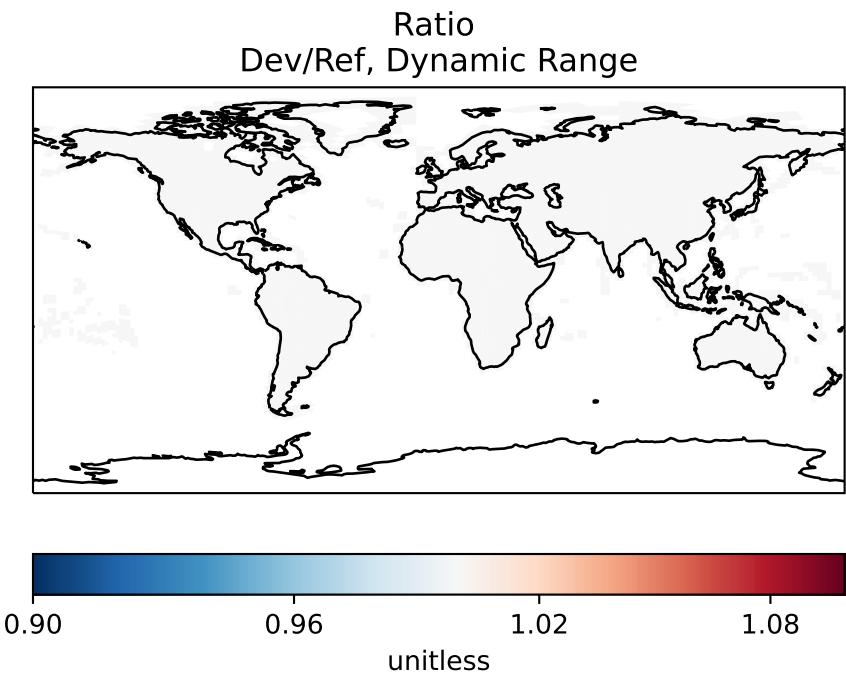
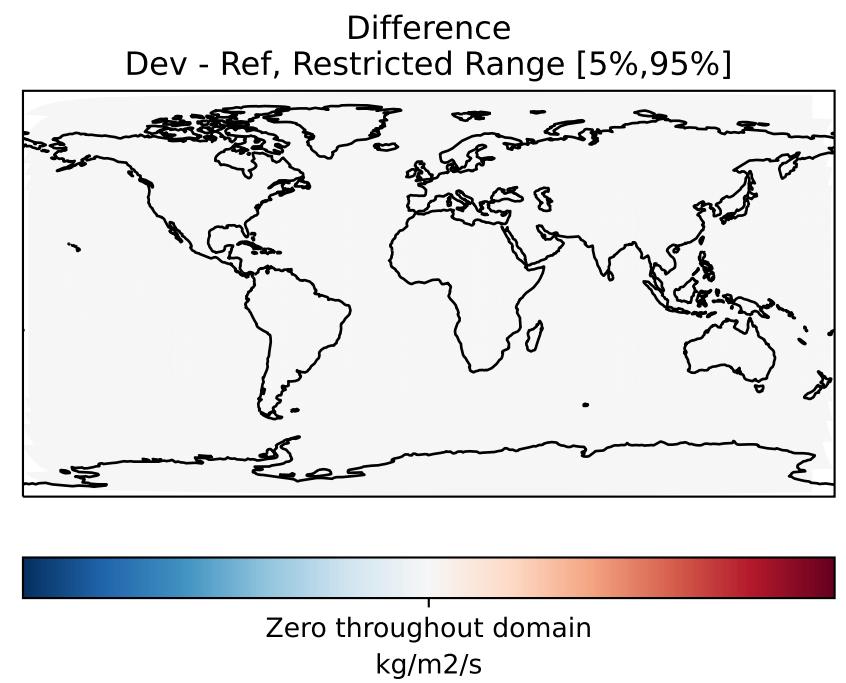
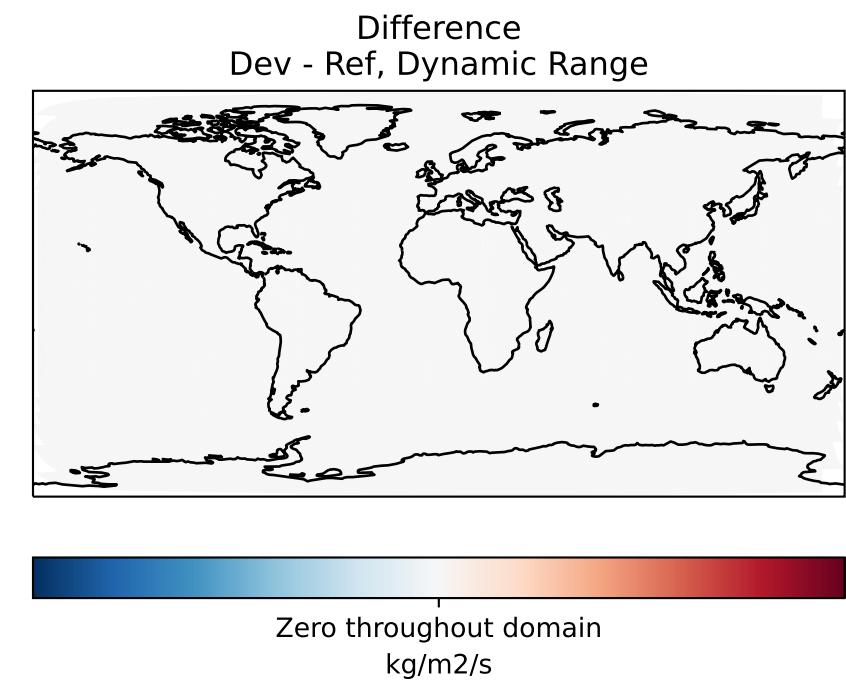
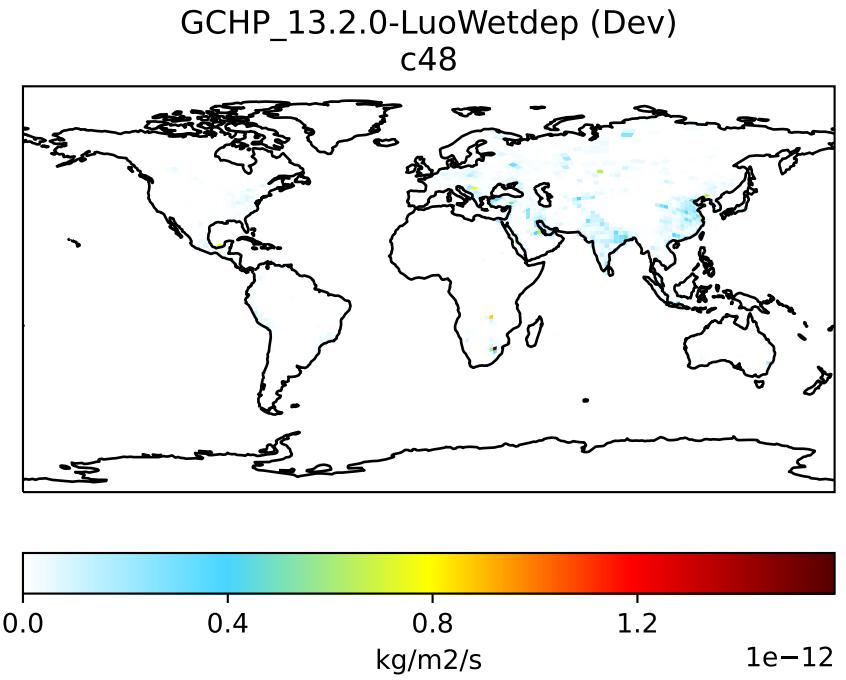
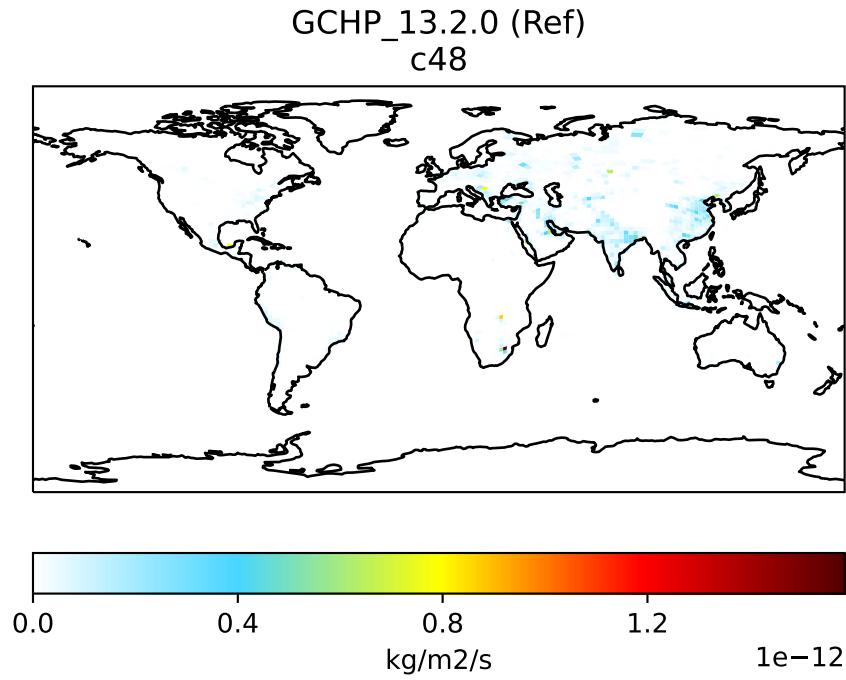
Ratio
Dev/Ref, Dynamic Range



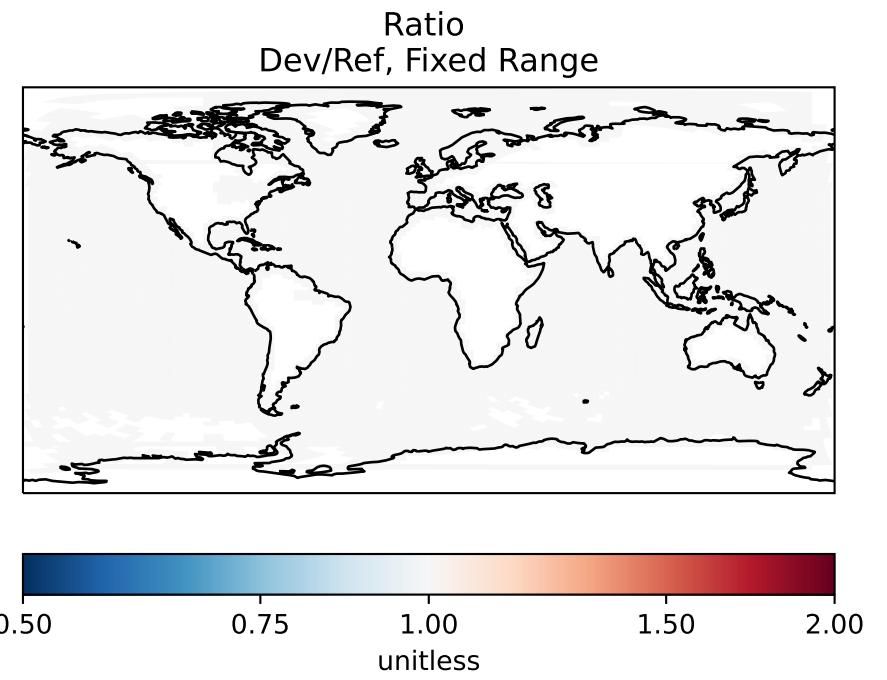
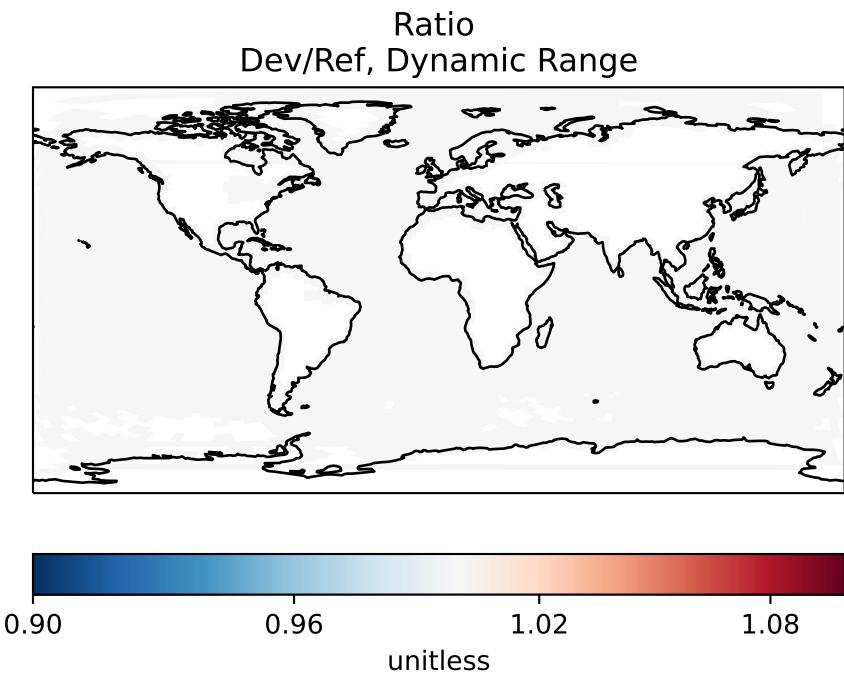
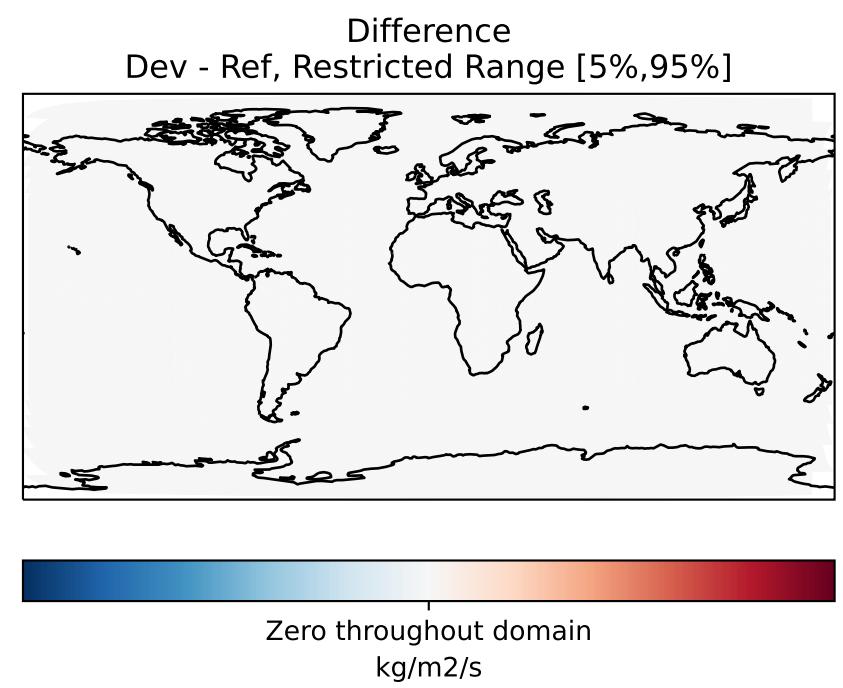
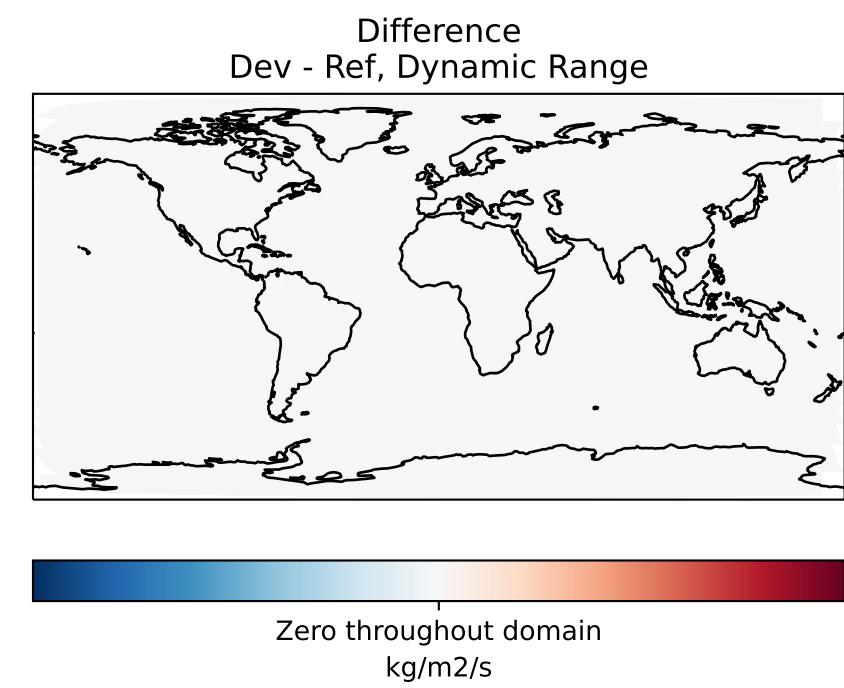
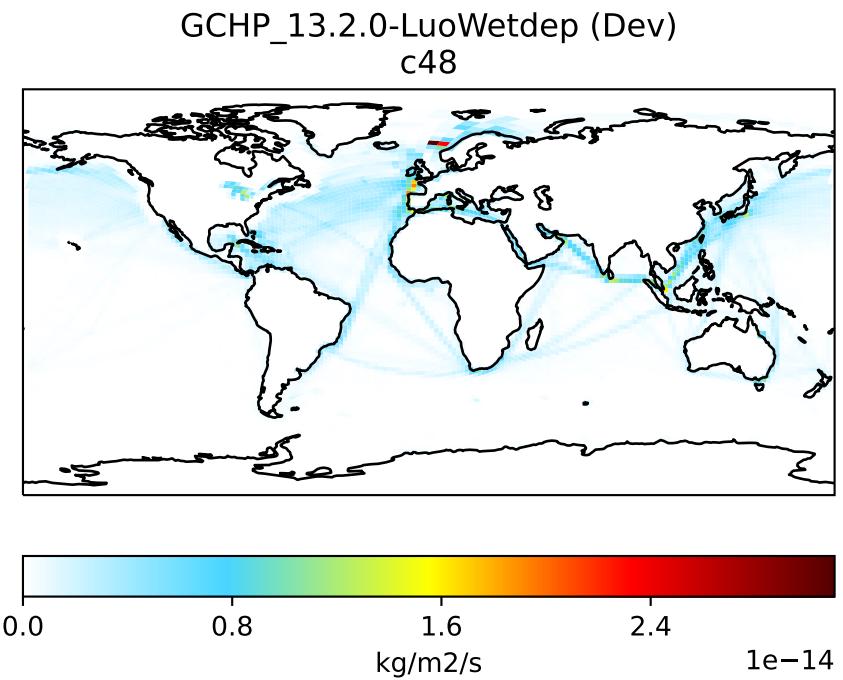
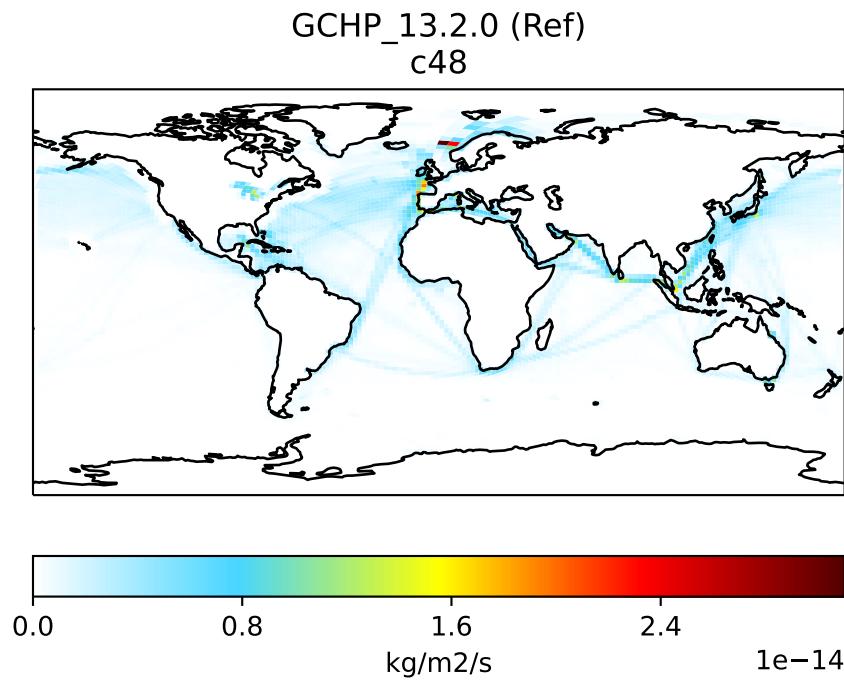
Ratio
Dev/Ref, Fixed Range



EmispFe_Anthro (Jan2019)



EmispFe_Ship (Jan2019)



EmispFe_Total (Jan2019)

