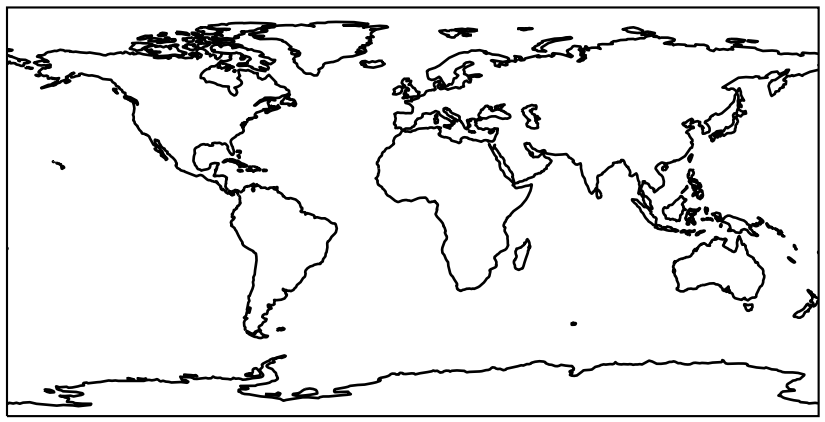
# EmisALD2_Ship (Oct2019)

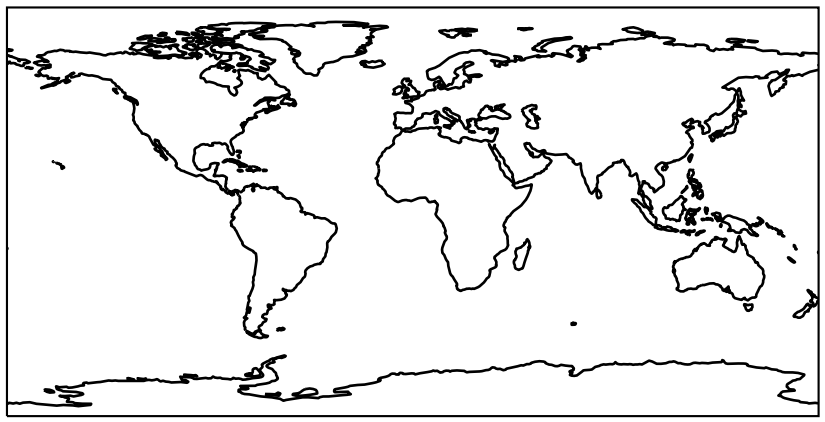
GCC_13.2.0-LuoWetdep (Ref)
4.0x5.0





Zero throughout domain
kg/m2/s

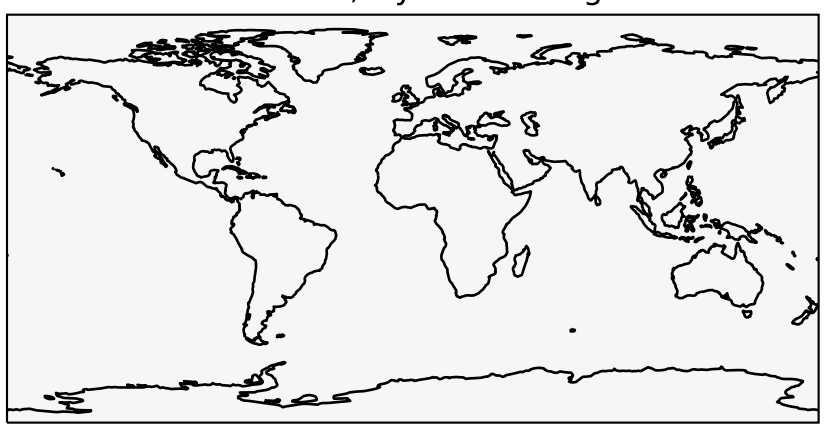
GCHP_13.2.0-LuoWetdep (Dev)
c48





Zero throughout domain
kg/m2/s

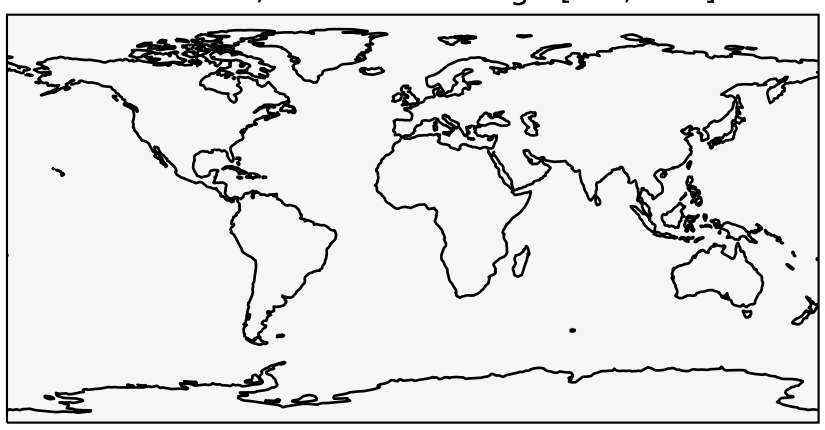
Difference (1x1.25)
Dev - Ref, Dynamic Range





Zero throughout domain
kg/m2/s

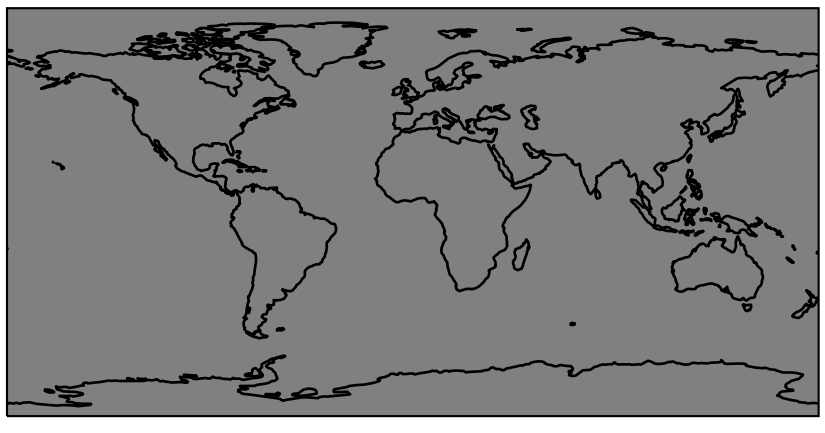
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]





Zero throughout domain
kg/m2/s

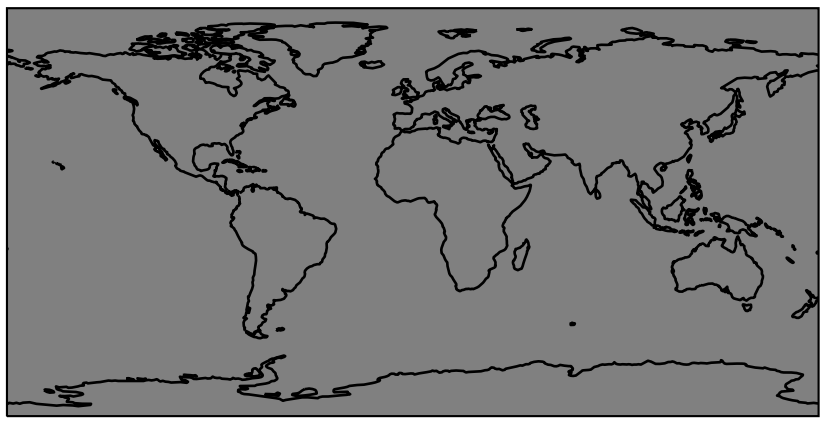
Ratio (1x1.25)
Dev/Ref, Dynamic Range





Undefined throughout domain
unitless

Ratio (1x1.25)
Dev/Ref, Fixed Range

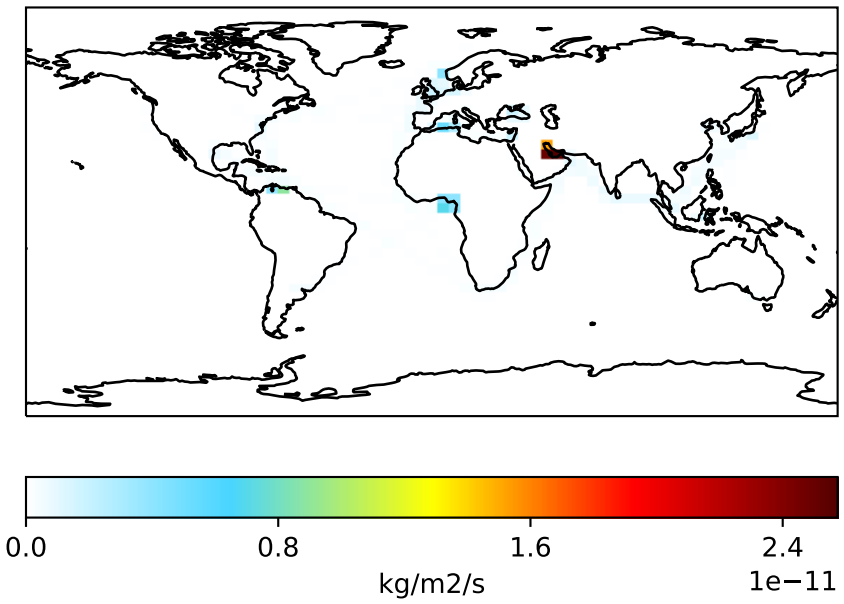




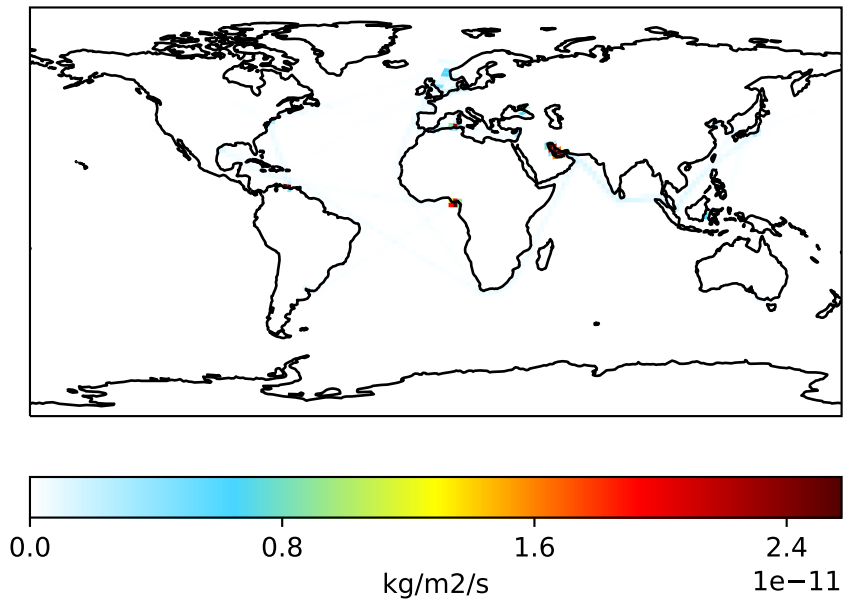
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unitless

# EmisALK4_Ship (Oct2019)

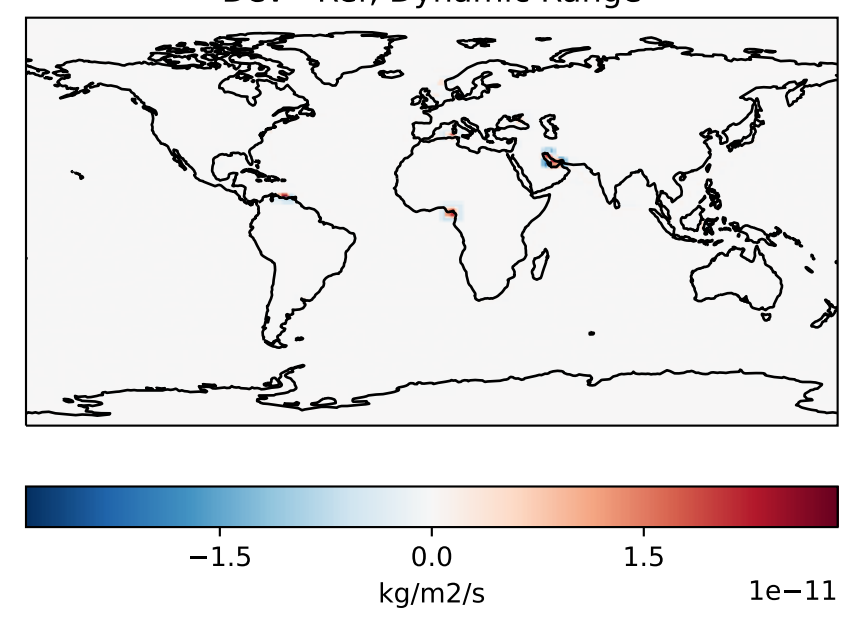
GCC_13.2.0-LuoWetdep (Ref)
4.0x5.0



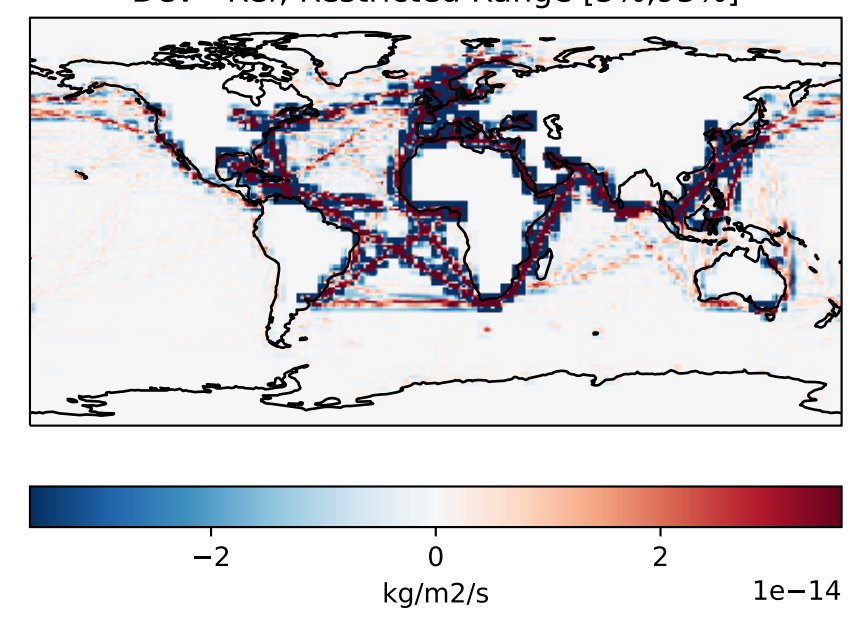

GCHP_13.2.0-LuoWetdep (Dev)
c48



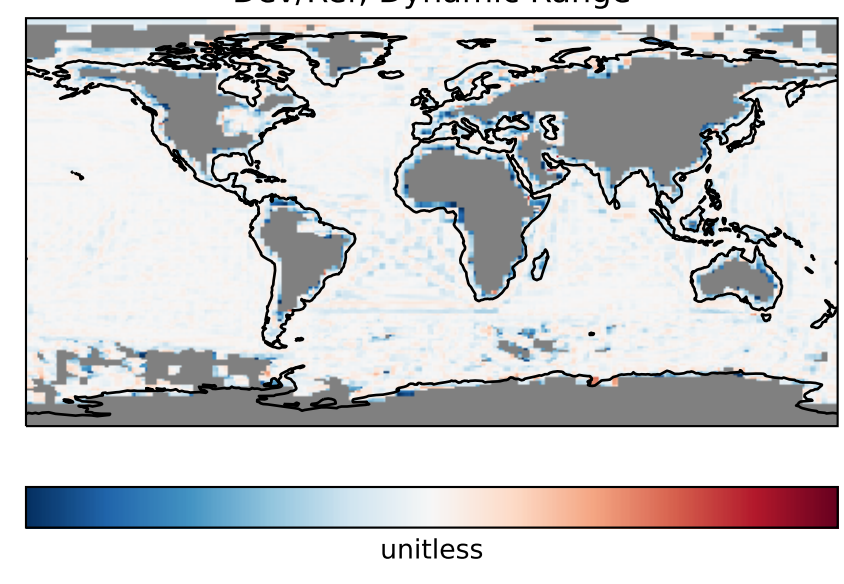

Difference (1x1.25)
Dev - Ref, Dynamic Range



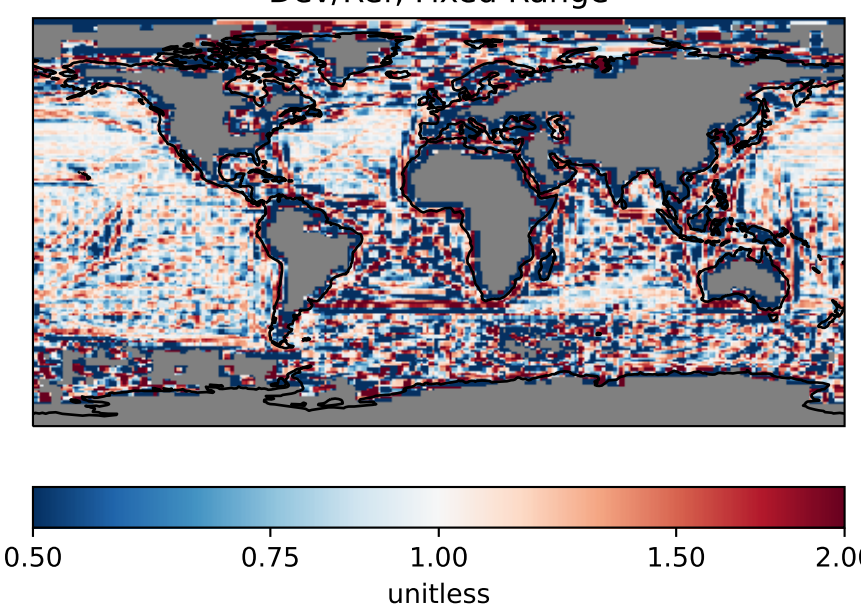

Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]




Ratio (1x1.25)
Dev/Ref, Dynamic Range

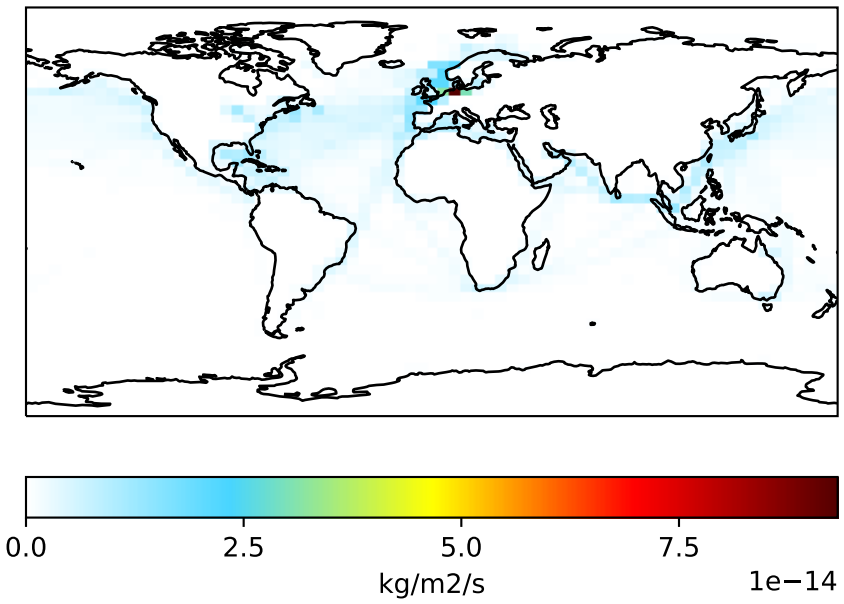



Ratio (1x1.25)
Dev/Ref, Fixed Range

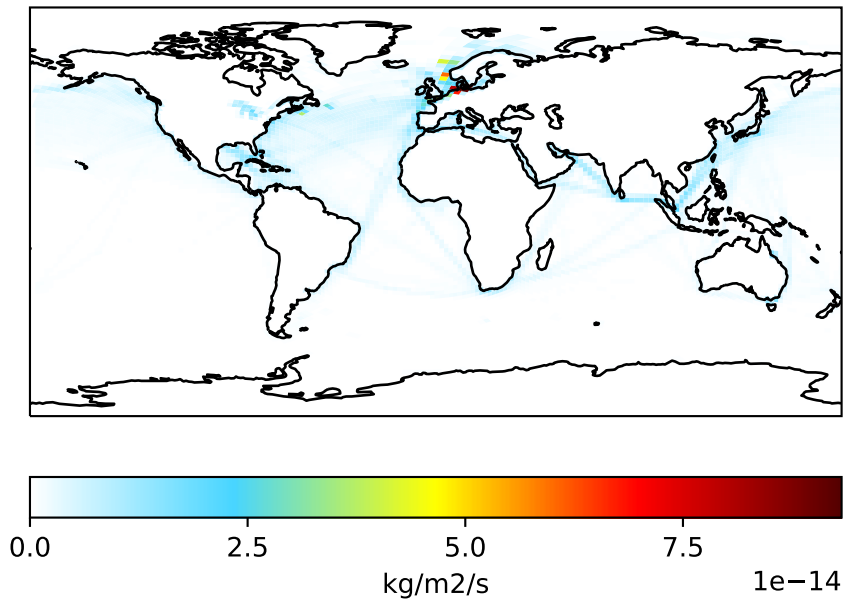


# EmisBCPI_Ship (Oct2019)

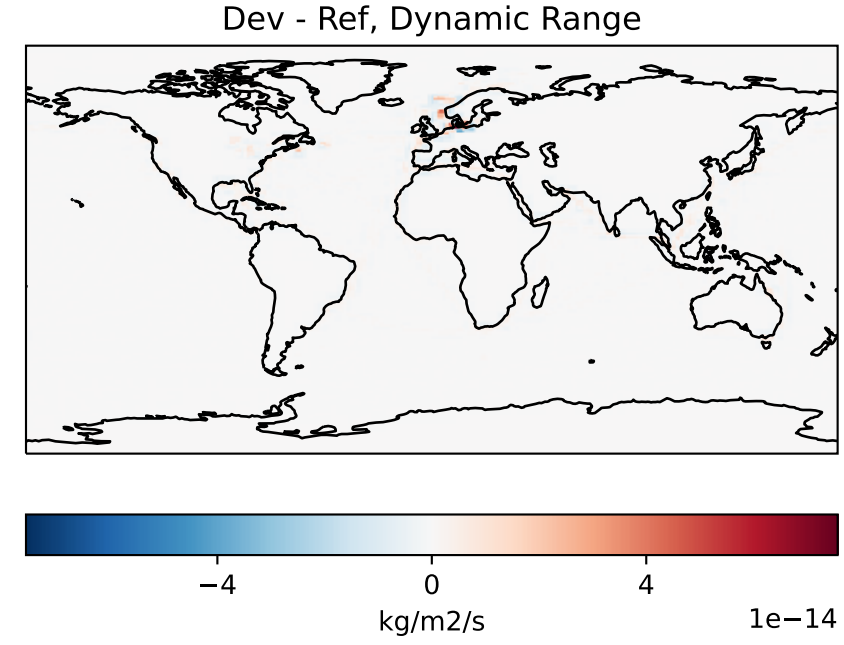
GCC_13.2.0-LuoWetdep (Ref)
4.0x5.0



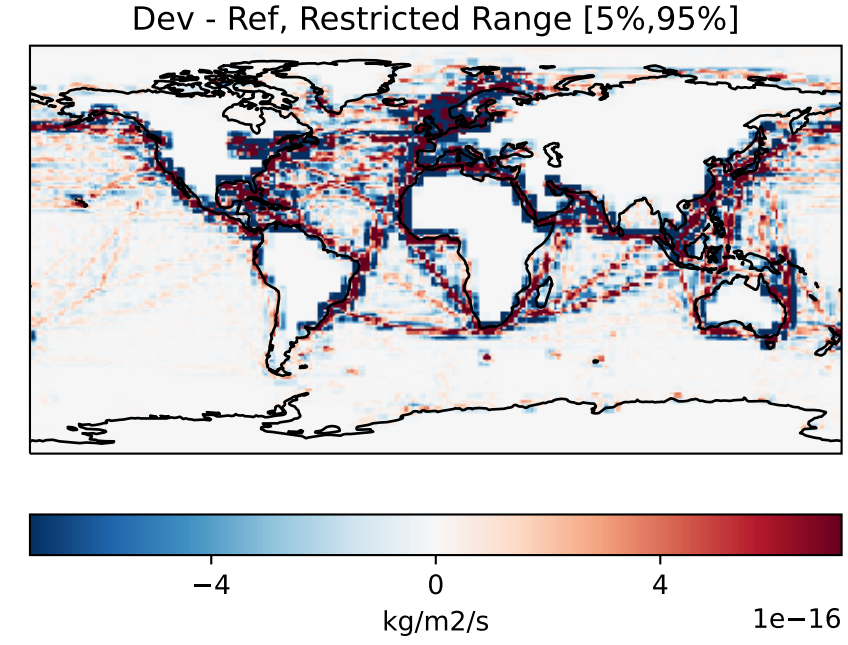

GCHP_13.2.0-LuoWetdep (Dev)
c48



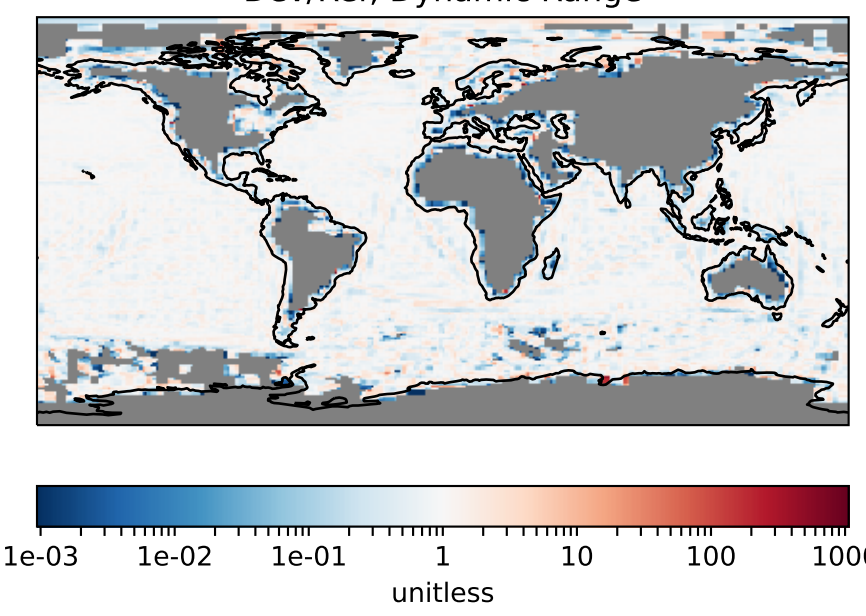

Difference (1x1.25)
Dev - Ref, Dynamic Range



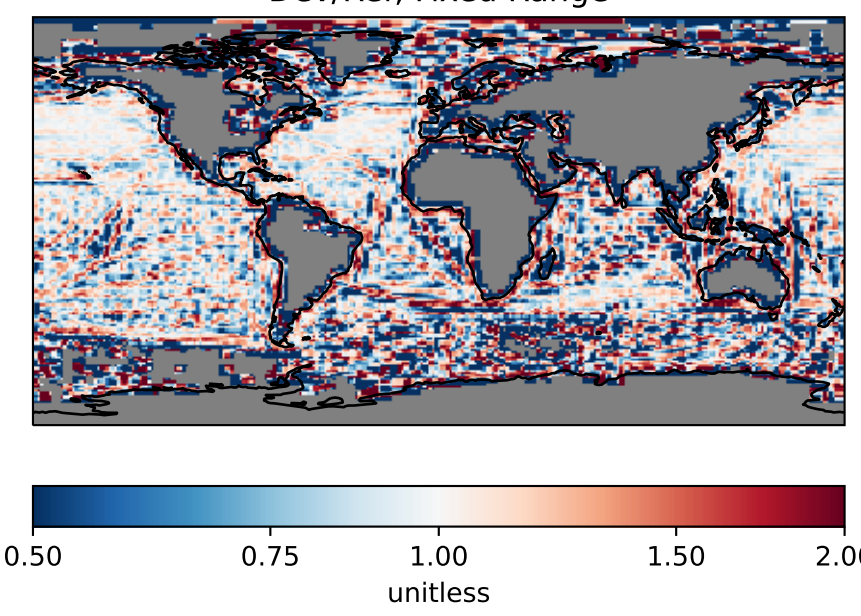

Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]




Ratio (1x1.25)
Dev/Ref, Dynamic Range

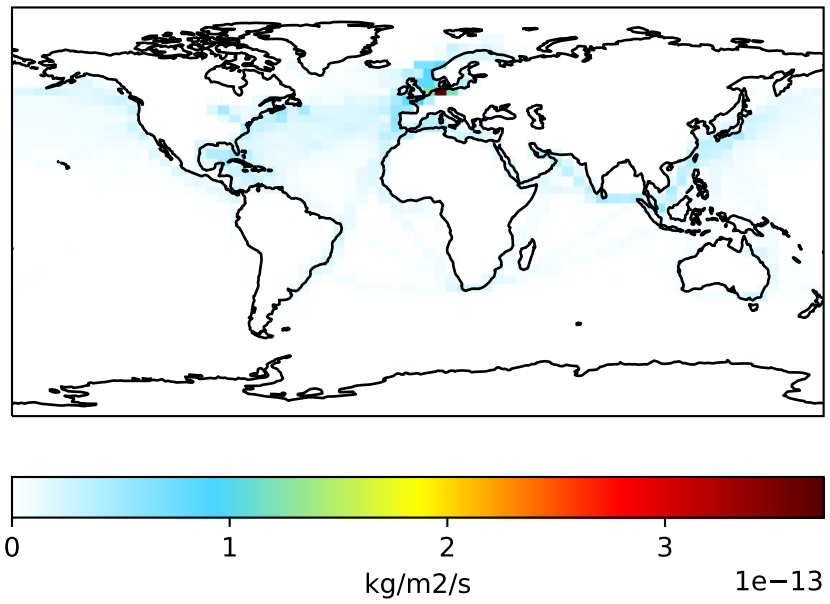



Ratio (1x1.25)
Dev/Ref, Fixed Range

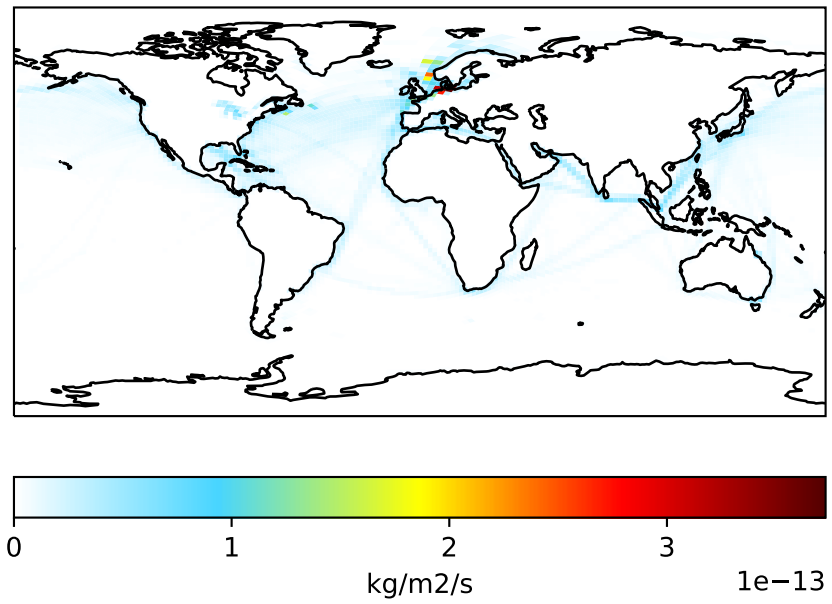


# EmisBCPO_Ship (Oct2019)

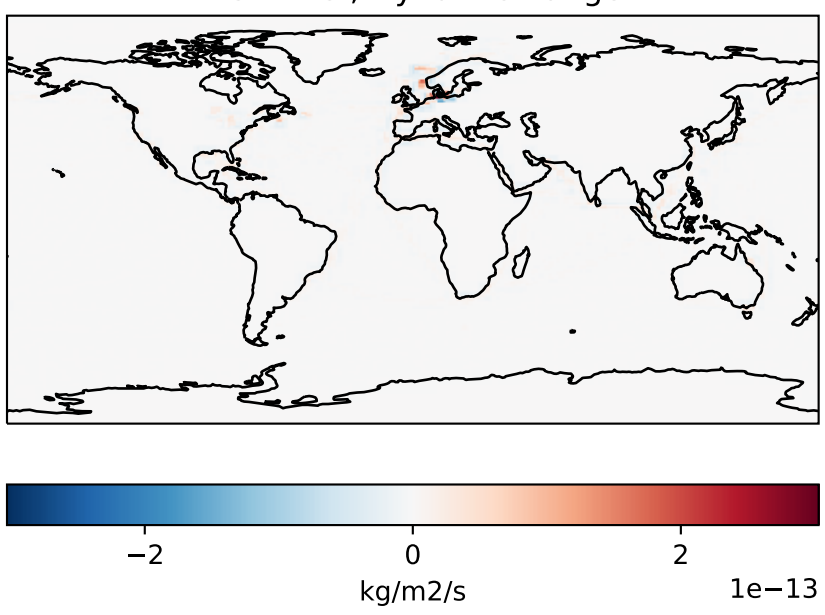
GCC_13.2.0-LuoWetdep (Ref)
4.0x5.0



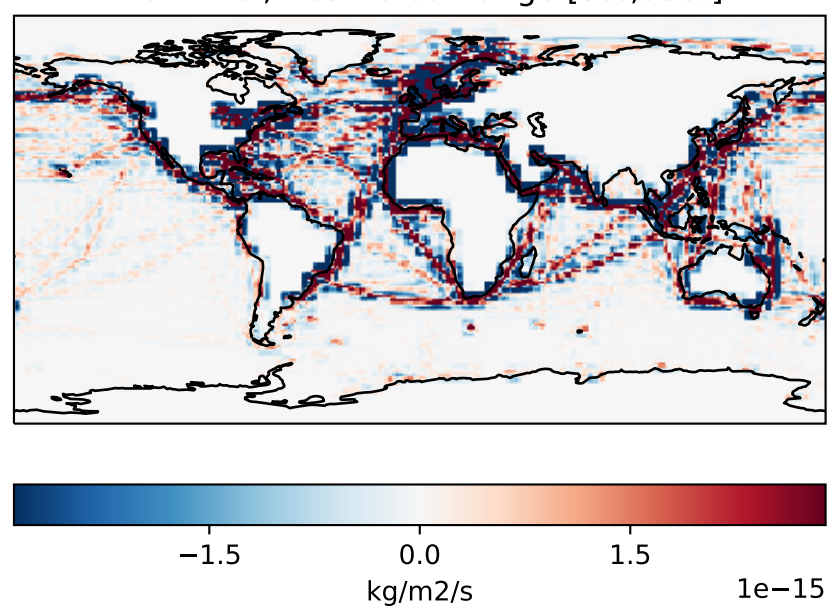

GCHP_13.2.0-LuoWetdep (Dev)
c48



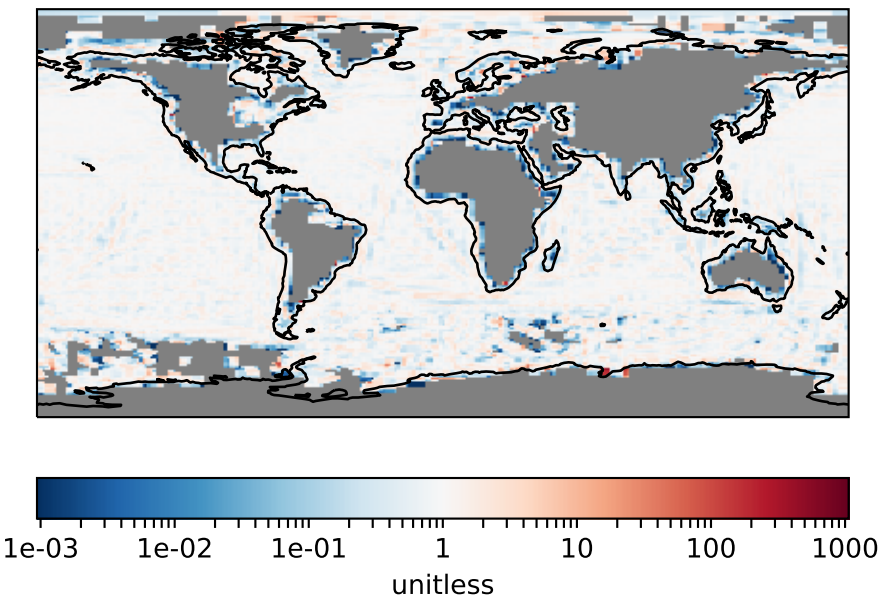

Difference (1x1.25)
Dev - Ref, Dynamic Range



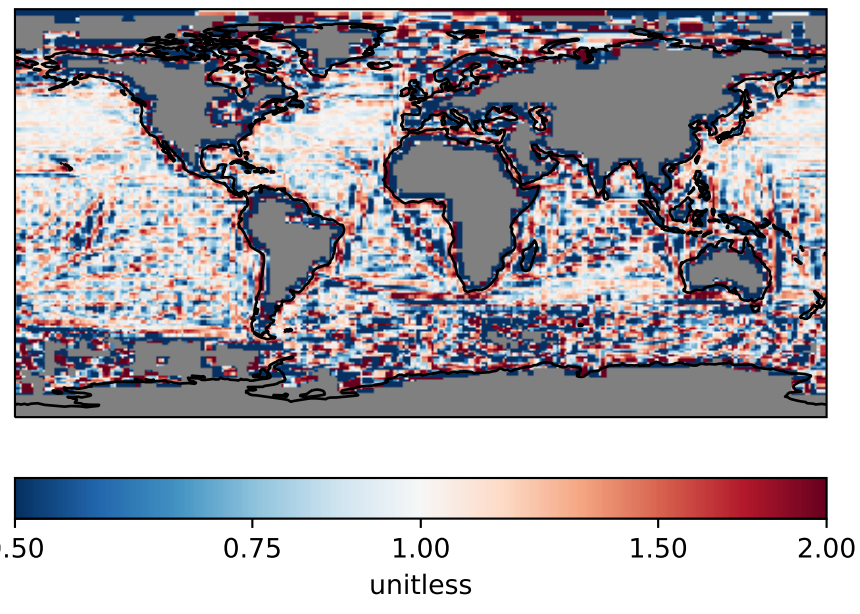

Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]




Ratio (1x1.25)
Dev/Ref, Dynamic Range

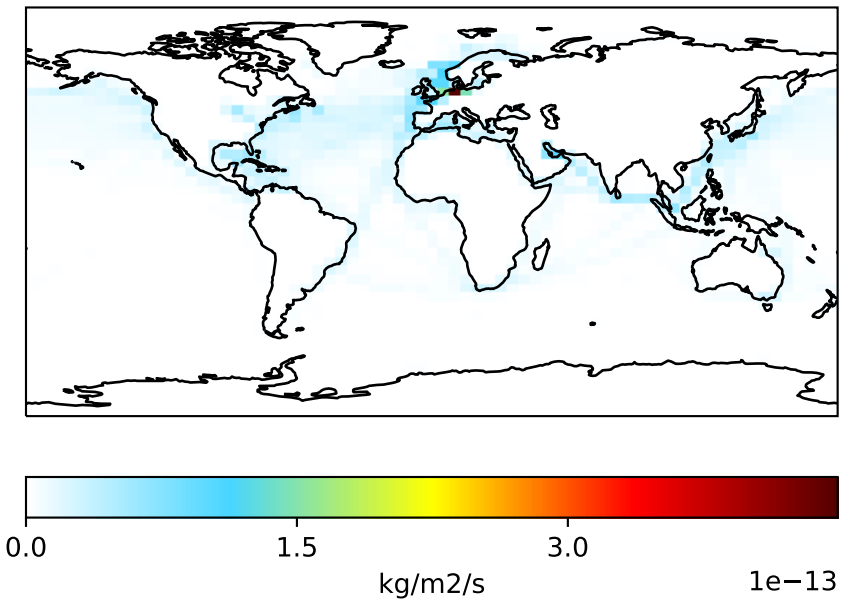



Ratio (1x1.25)
Dev/Ref, Fixed Range

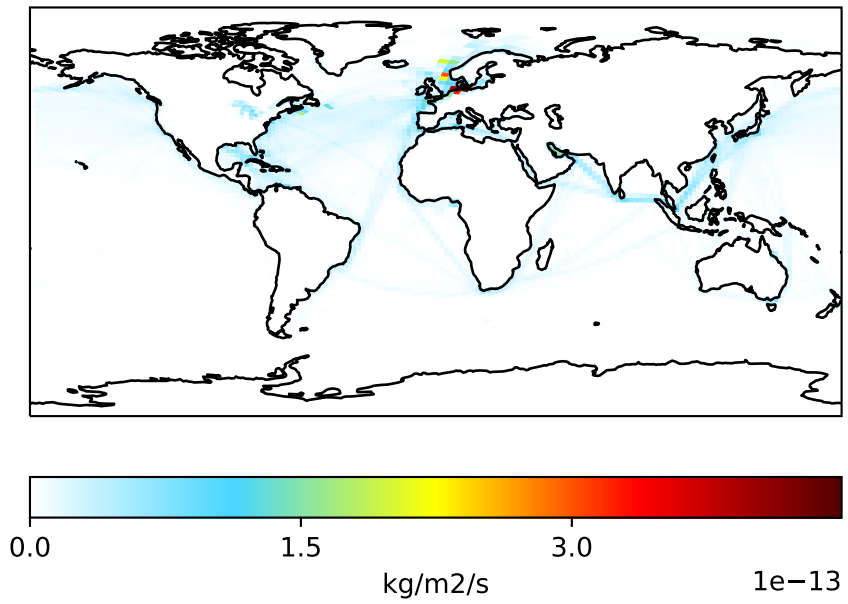


# EmisBENZ_Ship (Oct2019)

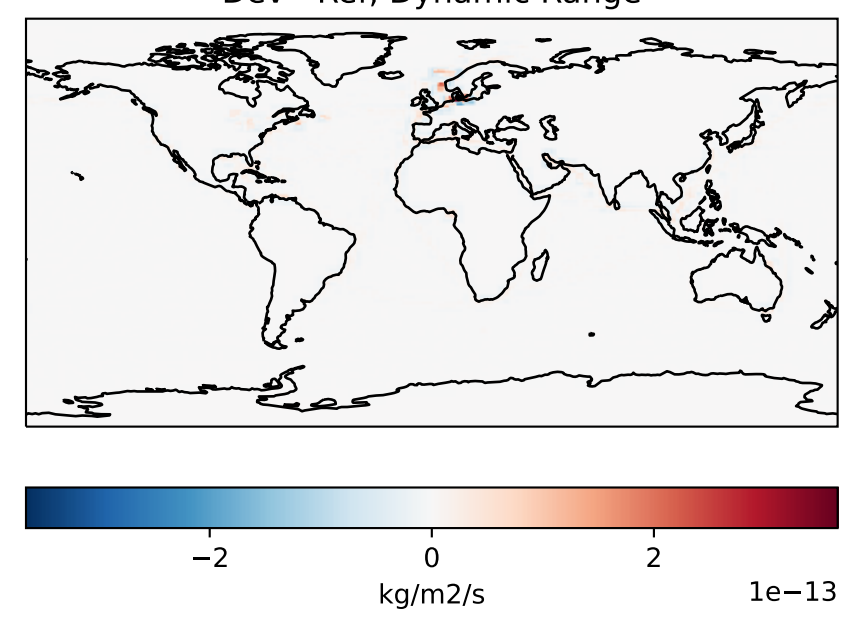
GCC_13.2.0-LuoWetdep (Ref)
4.0x5.0



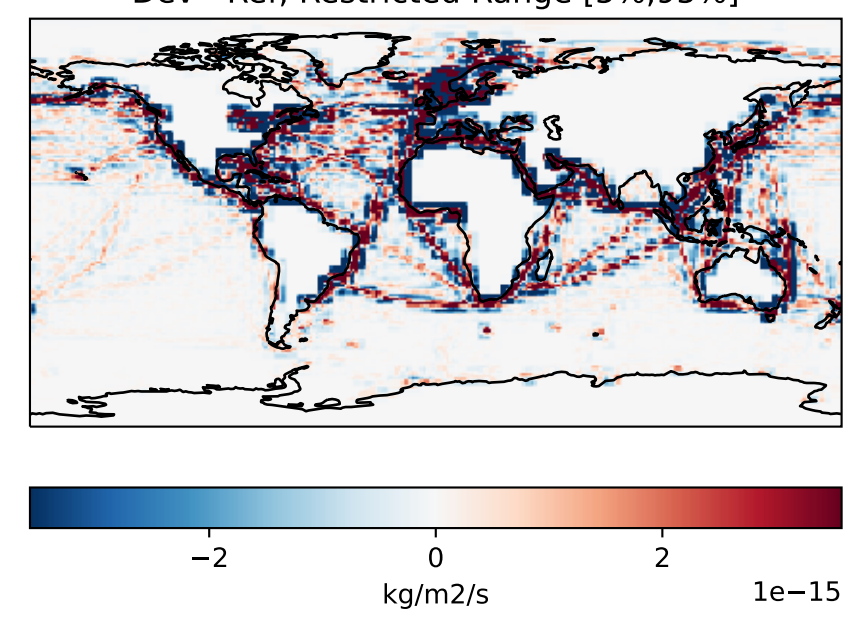

GCHP_13.2.0-LuoWetdep (Dev)
c48



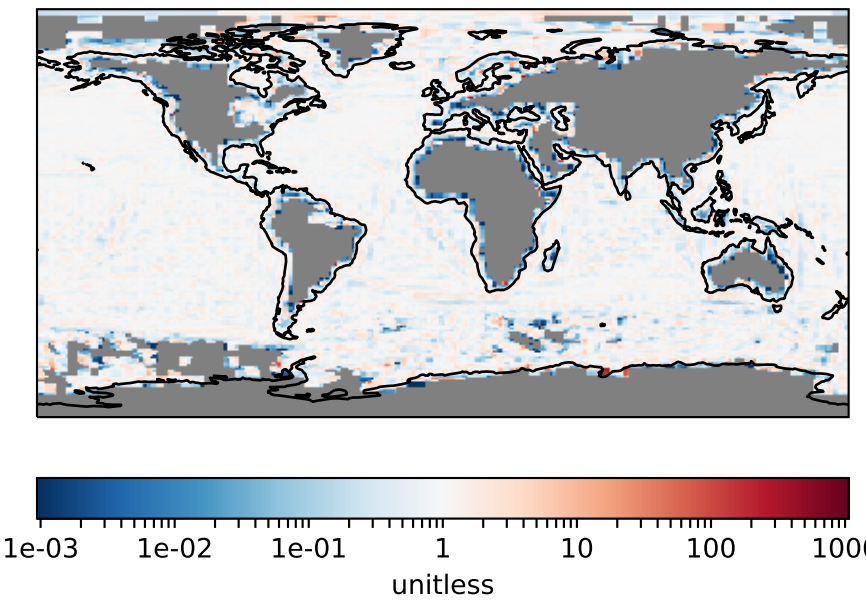

Difference (1x1.25)
Dev - Ref, Dynamic Range



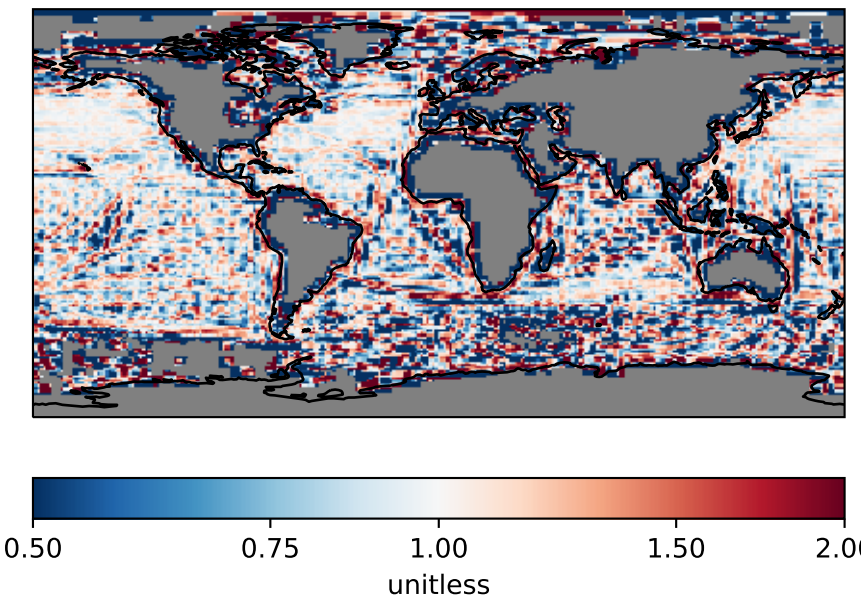

Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]




Ratio (1x1.25)
Dev/Ref, Dynamic Range

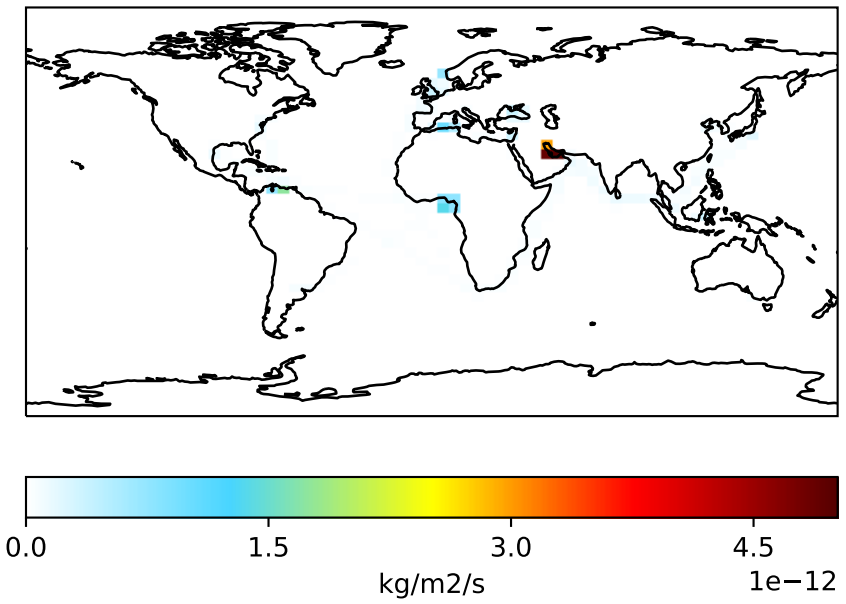



Ratio (1x1.25)
Dev/Ref, Fixed Range

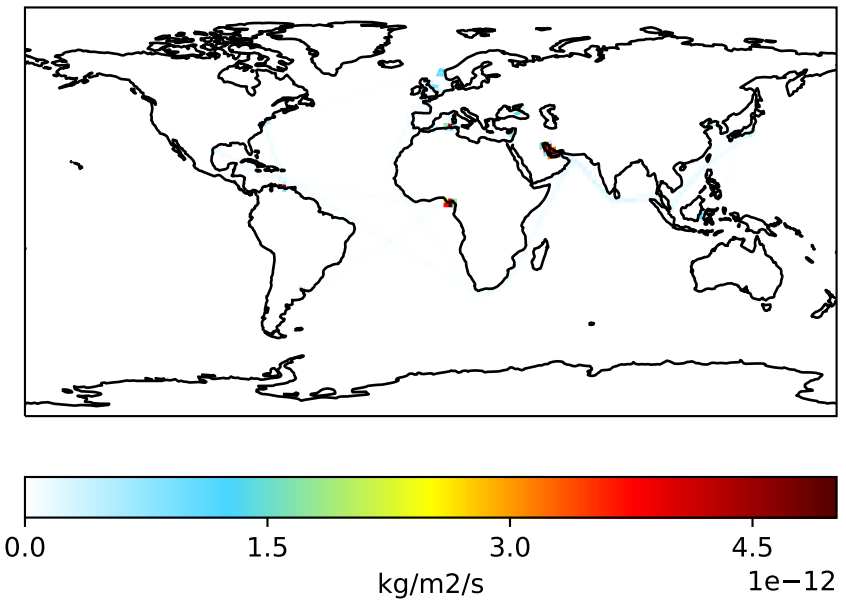


# EmisC2H6_Ship (Oct2019)

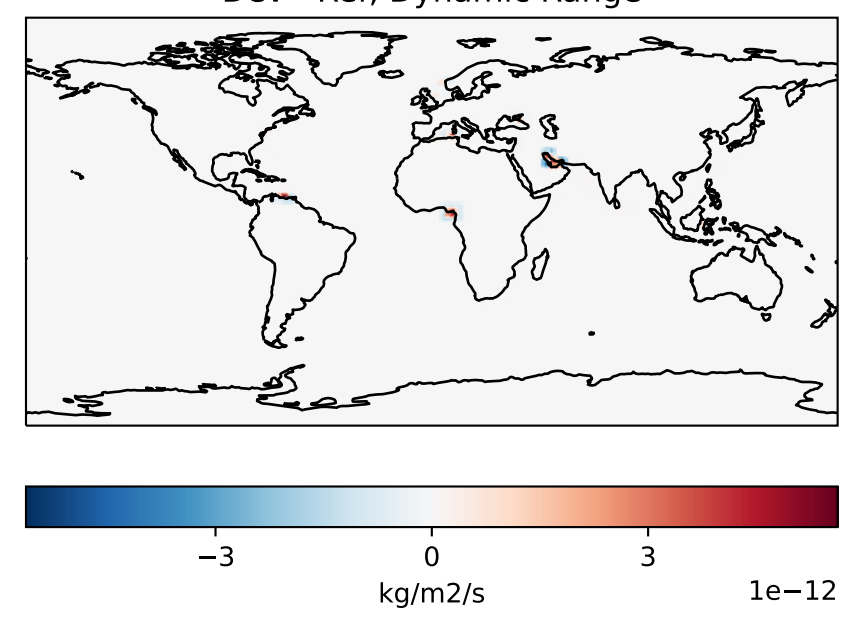
GCC_13.2.0-LuoWetdep (Ref)
4.0x5.0



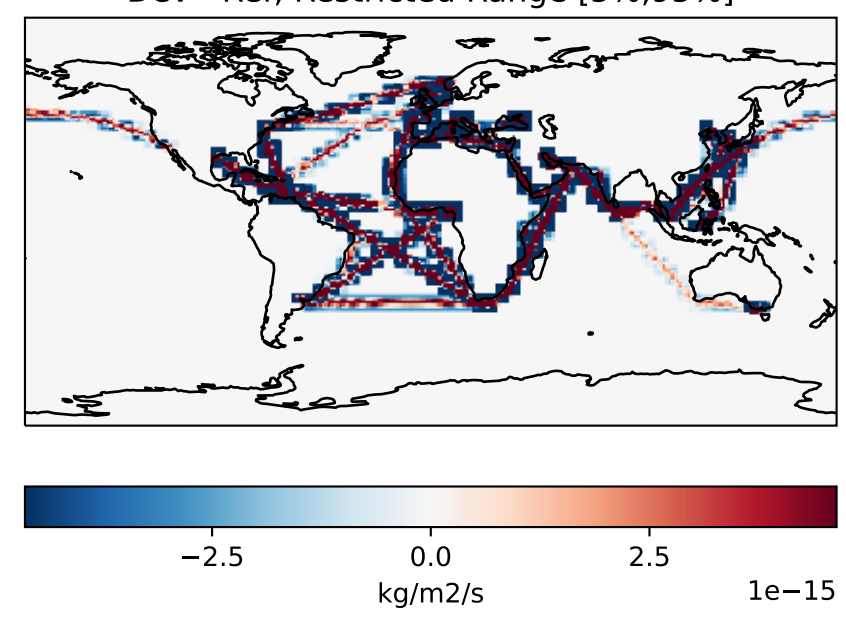

GCHP_13.2.0-LuoWetdep (Dev)
c48



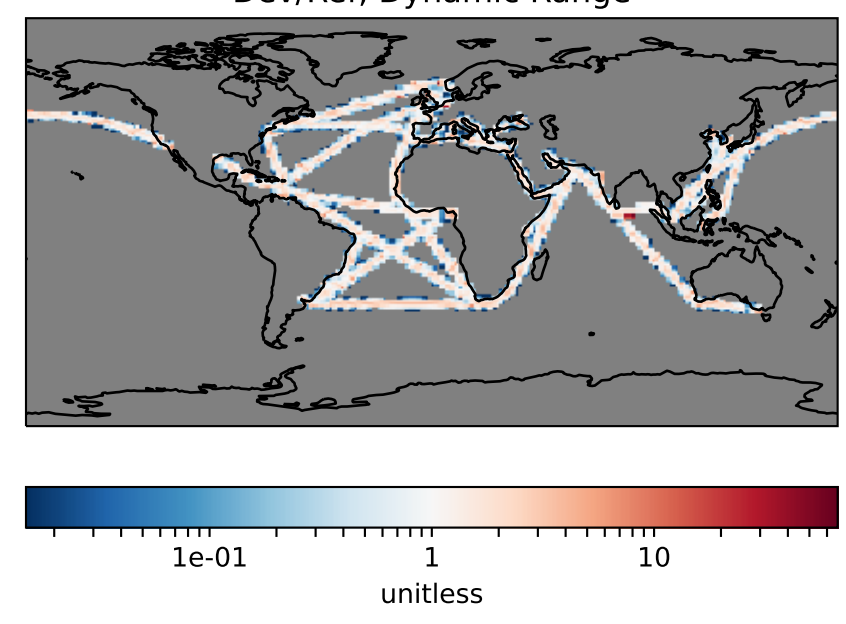

Difference (1x1.25)
Dev - Ref, Dynamic Range



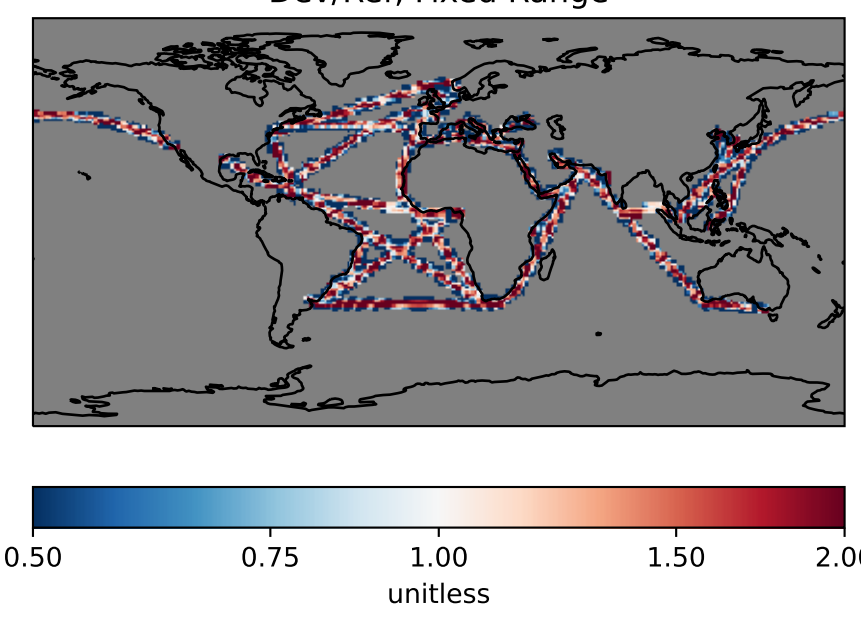

Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]




Ratio (1x1.25)
Dev/Ref, Dynamic Range

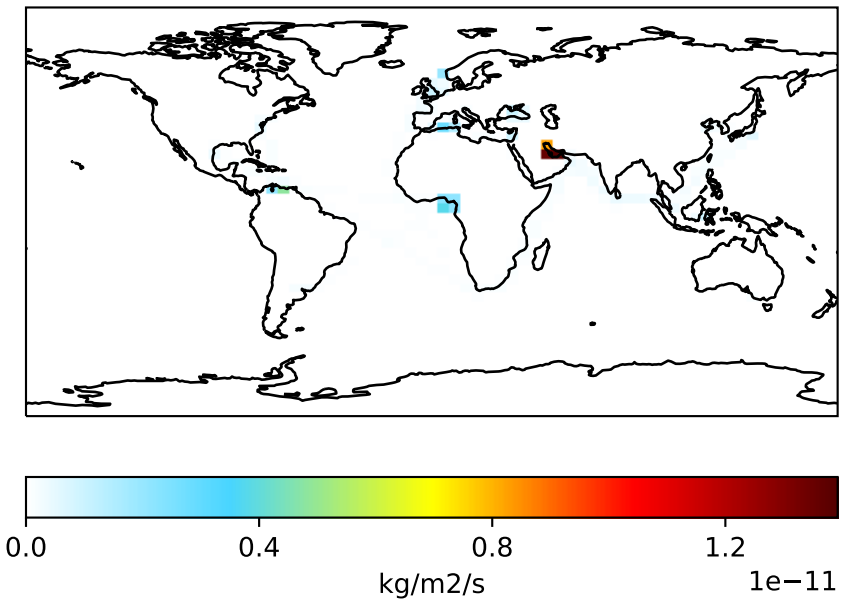



Ratio (1x1.25)
Dev/Ref, Fixed Range

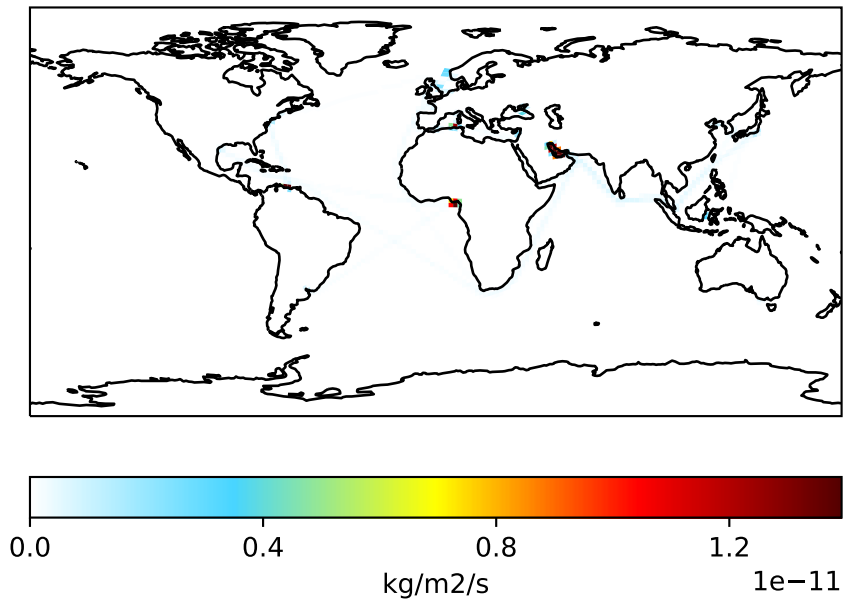


# EmisC3H8_Ship (Oct2019)

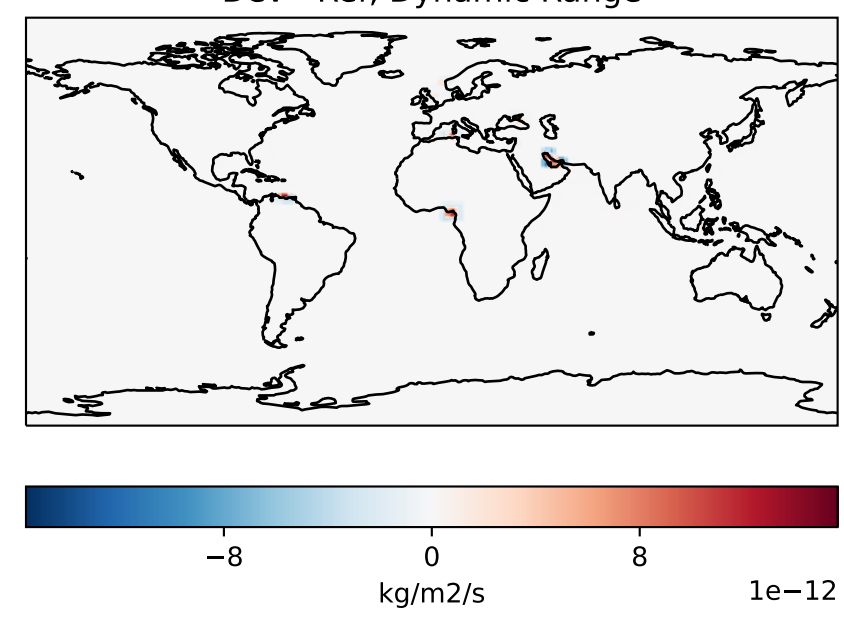
GCC_13.2.0-LuoWetdep (Ref)
4.0x5.0



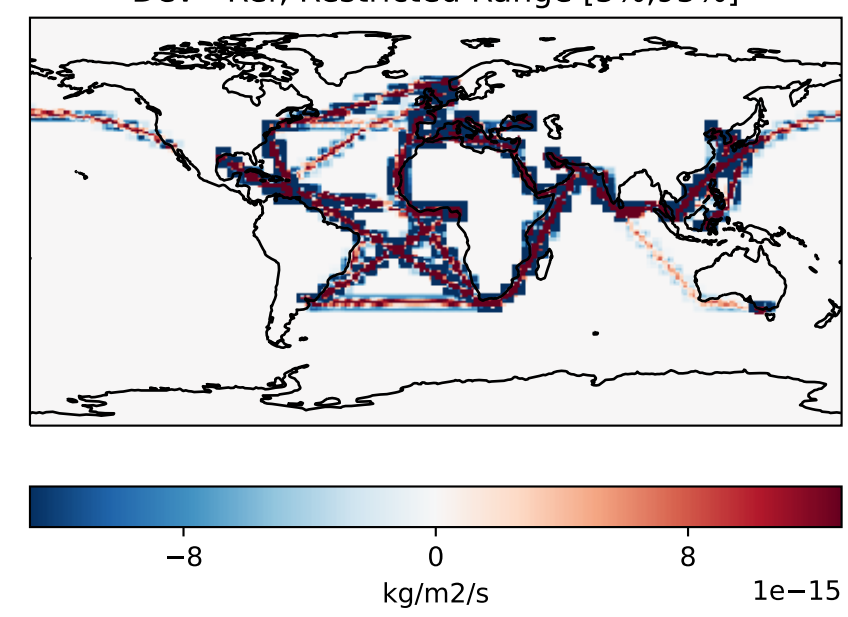

GCHP_13.2.0-LuoWetdep (Dev)
c48



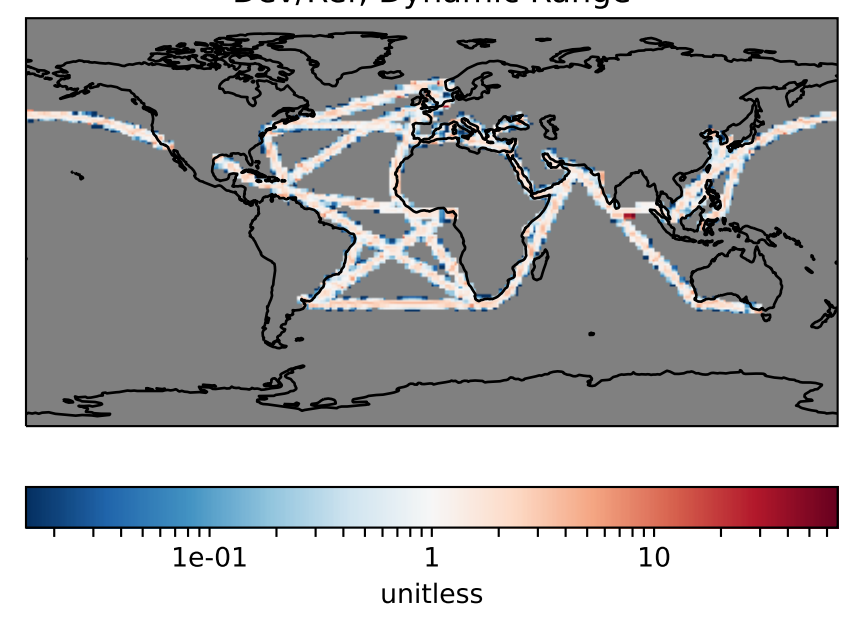

Difference (1x1.25)
Dev - Ref, Dynamic Range



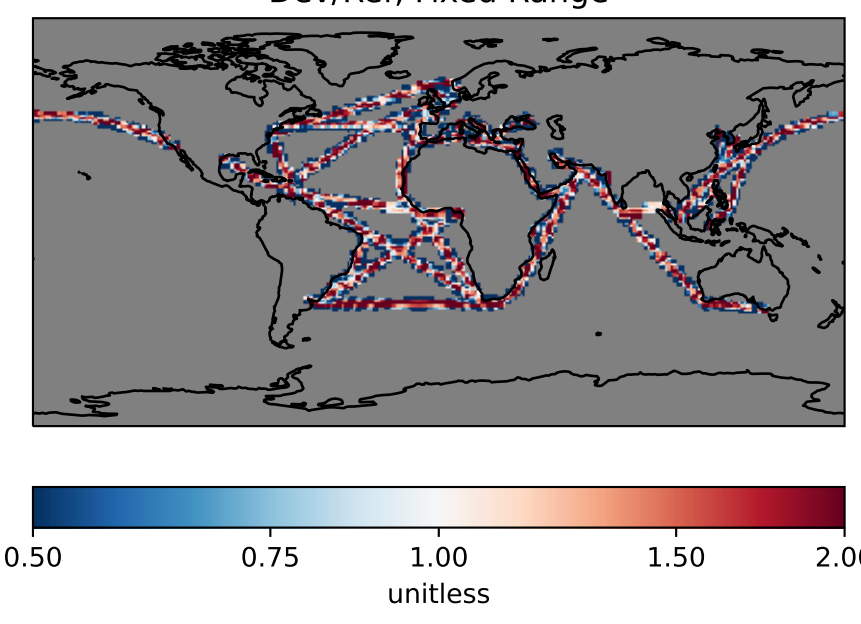

Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]




Ratio (1x1.25)
Dev/Ref, Dynamic Range

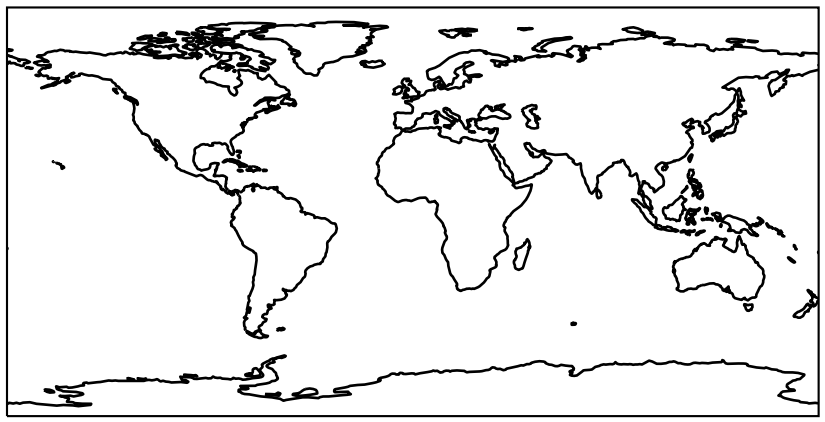



Ratio (1x1.25)
Dev/Ref, Fixed Range



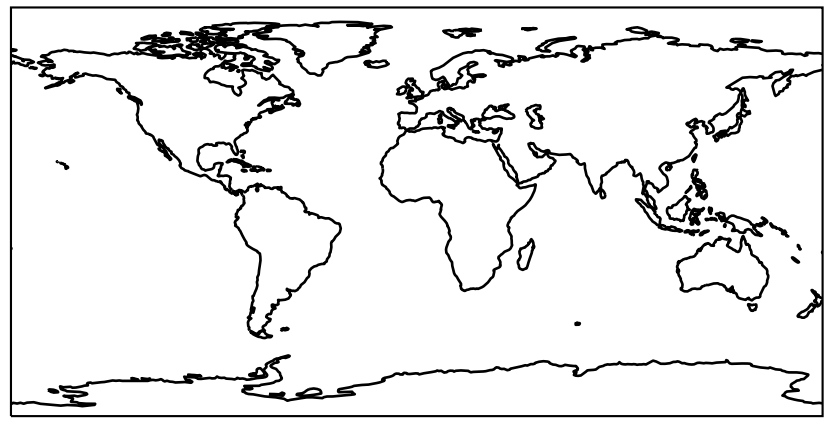
# EmisCH2O_Ship (Oct2019)

GCC_13.2.0-LuoWetdep (Ref)
4.0x5.0



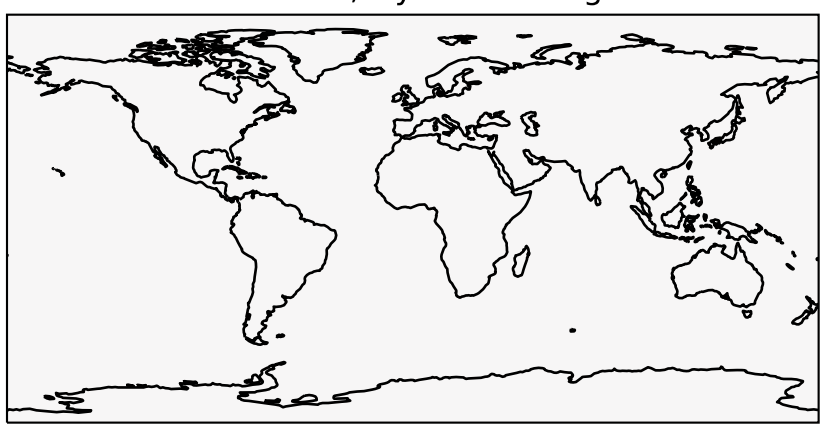
Zero throughout domain
kg/m2/s

GCHP_13.2.0-LuoWetdep (Dev)
c48



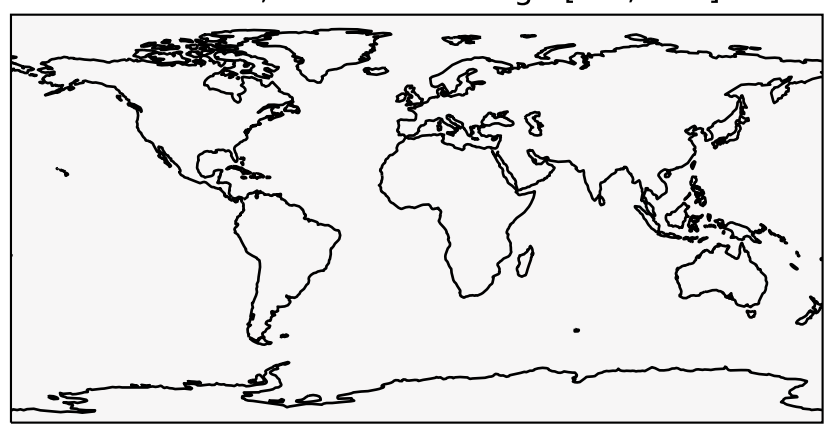
Zero throughout domain
kg/m2/s

Difference (1x1.25)
Dev - Ref, Dynamic Range



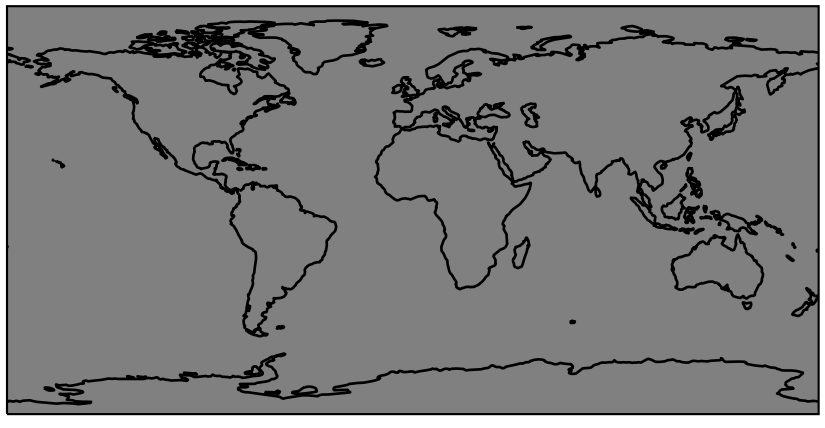
Zero throughout domain
kg/m2/s

Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



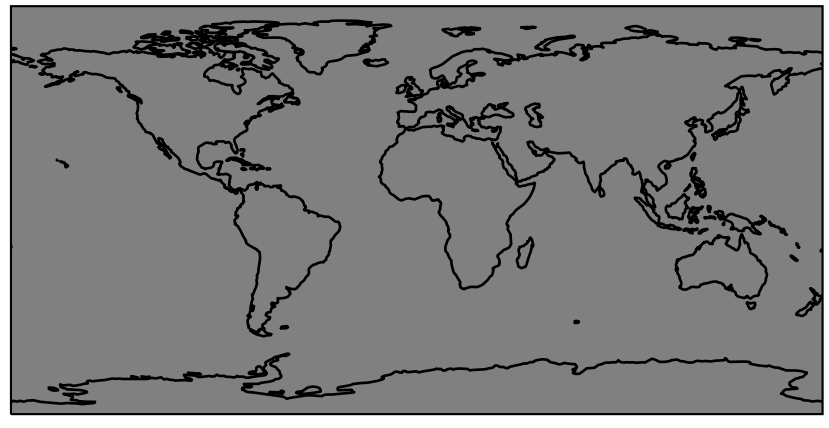
Zero throughout domain
kg/m2/s

Ratio (1x1.25)
Dev/Ref, Dynamic Range



Undefined throughout domain
unitless

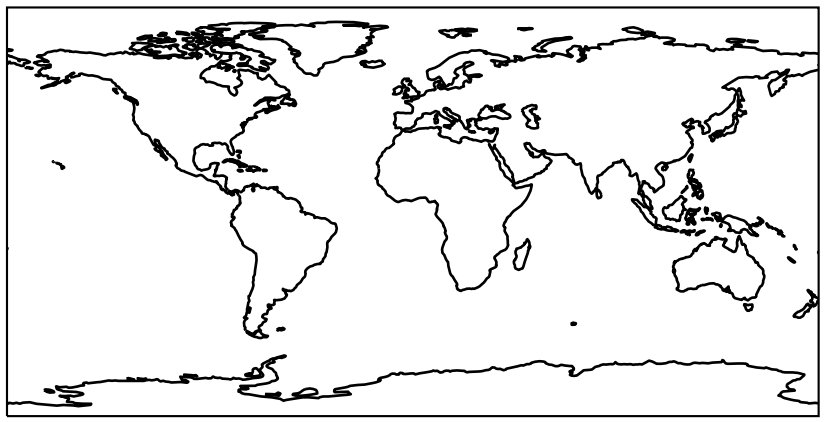
Ratio (1x1.25)
Dev/Ref, Fixed Range



Undefined throughout domain
unitless

# EmisCO2_Ship (Oct2019)

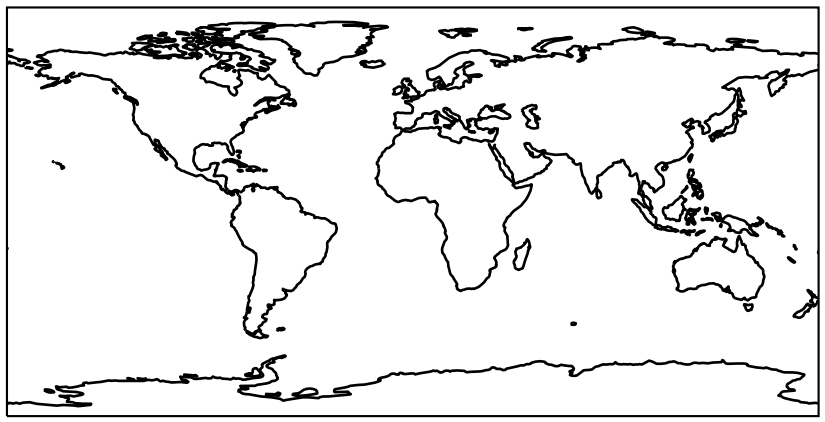
GCC_13.2.0-LuoWetdep (Ref)
4.0x5.0





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kg/m2/s

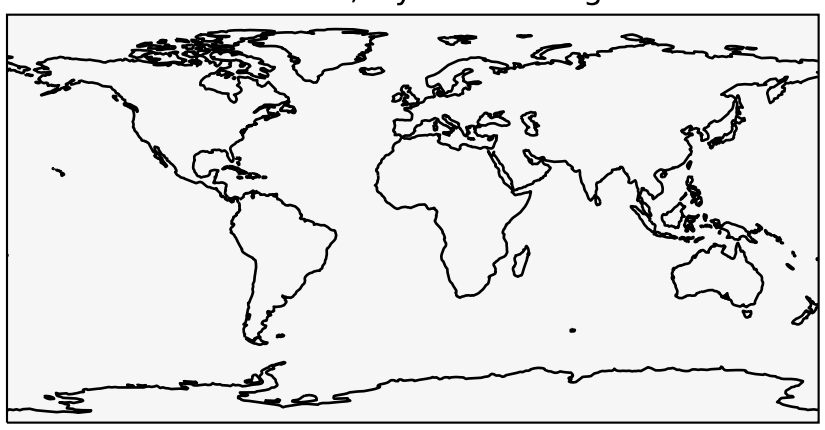
GCHP_13.2.0-LuoWetdep (Dev)
c48





Zero throughout domain
kg/m2/s

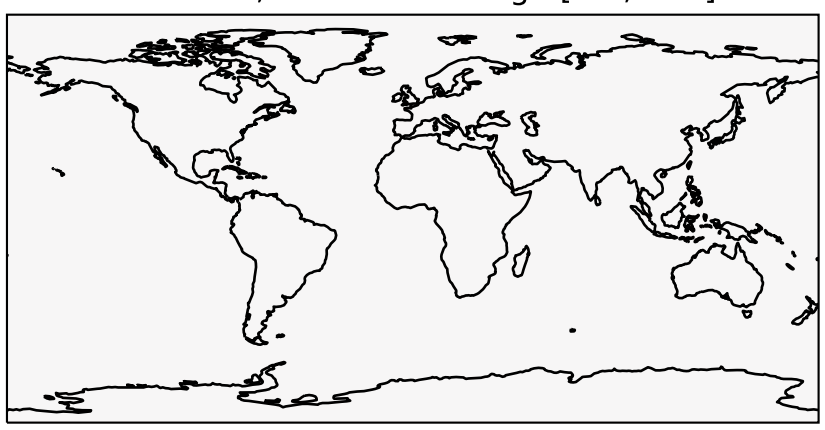
Difference (1x1.25)
Dev - Ref, Dynamic Range





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kg/m2/s

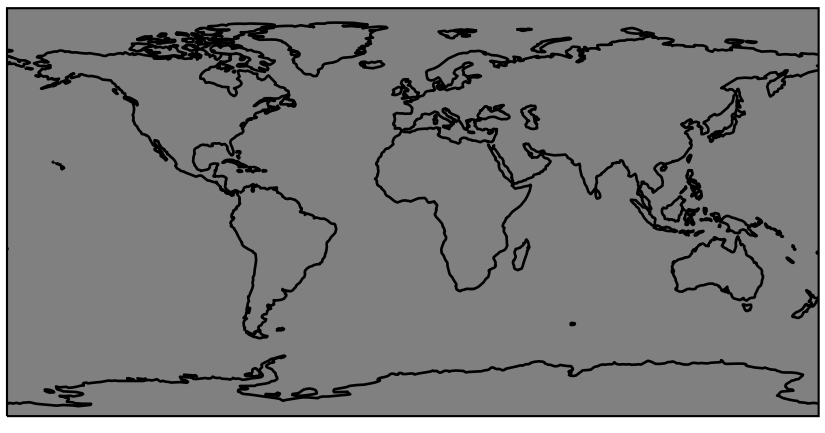
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]





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kg/m2/s

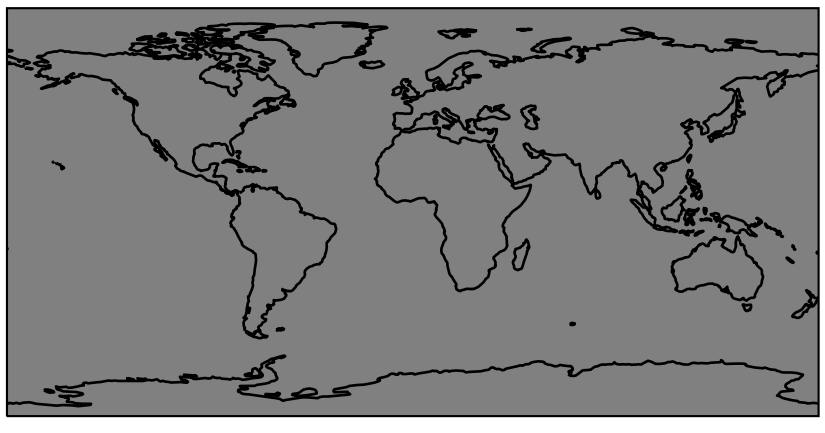
Ratio (1x1.25)
Dev/Ref, Dynamic Range





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Ratio (1x1.25)
Dev/Ref, Fixed Range

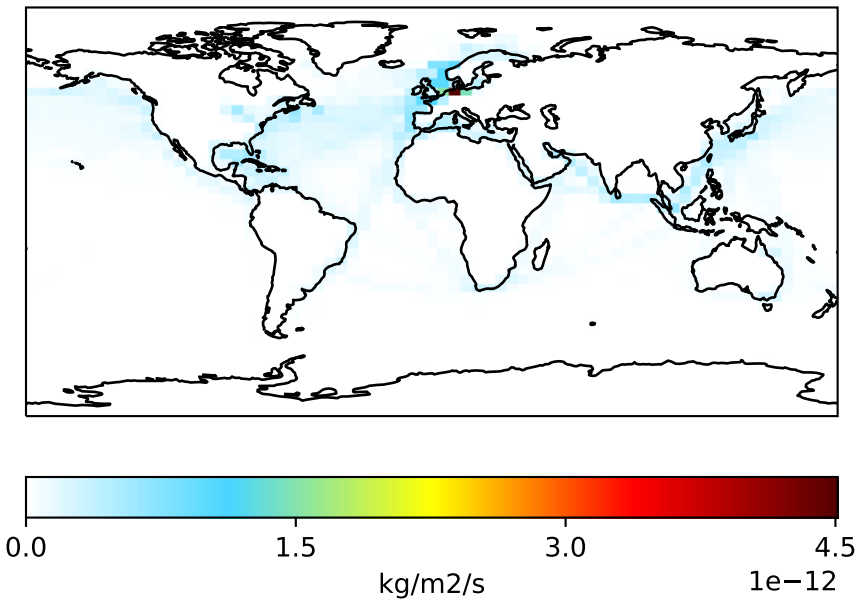




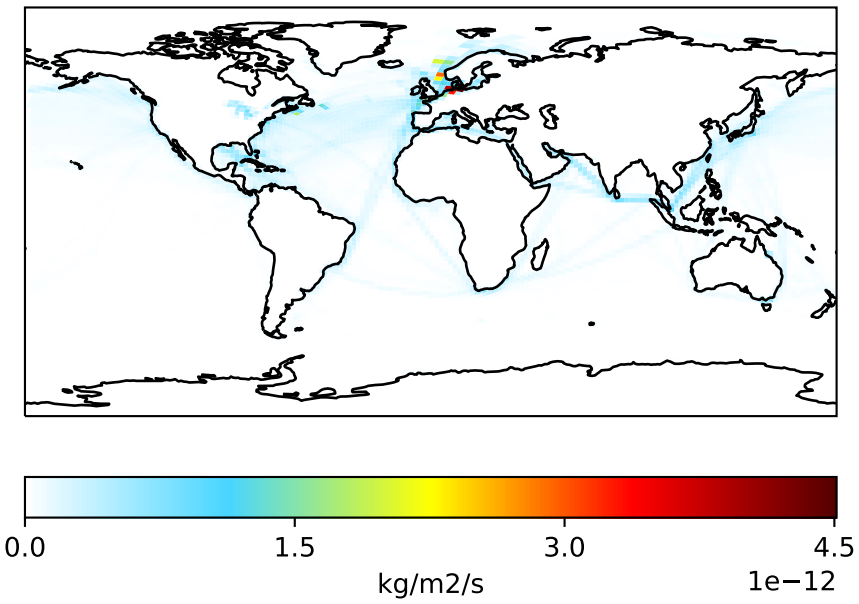
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# EmisCO_Ship (Oct2019)

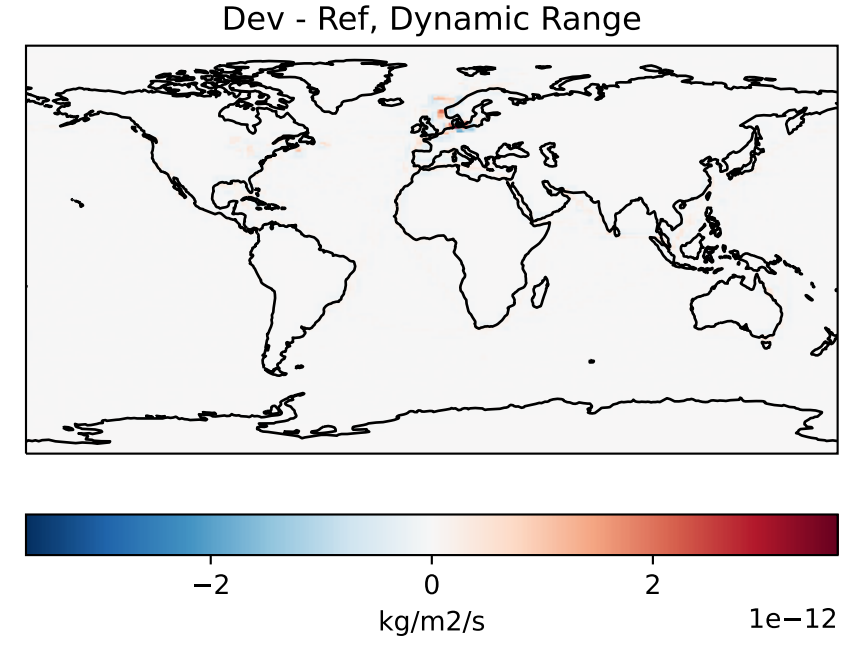
GCC_13.2.0-LuoWetdep (Ref)
4.0x5.0



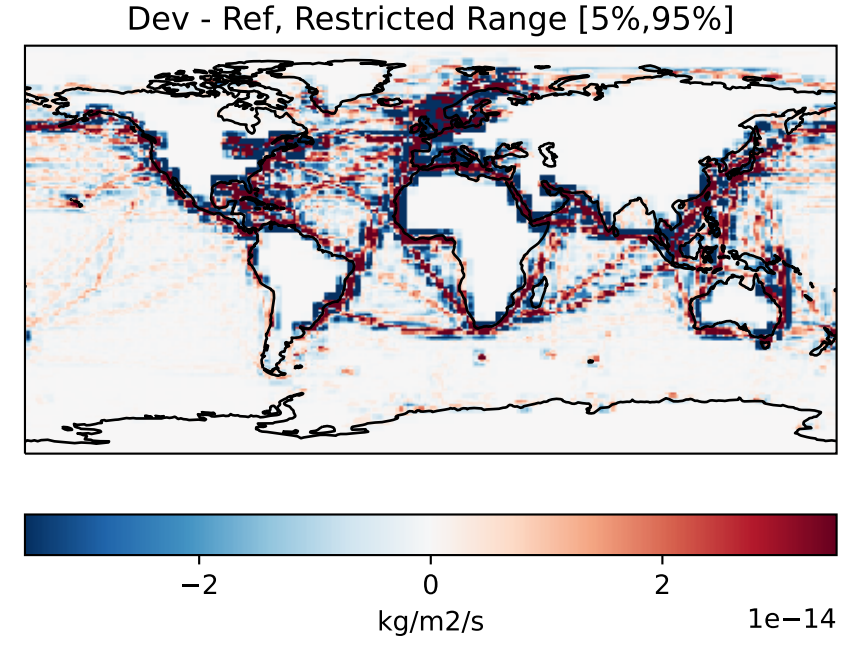

GCHP_13.2.0-LuoWetdep (Dev)
c48



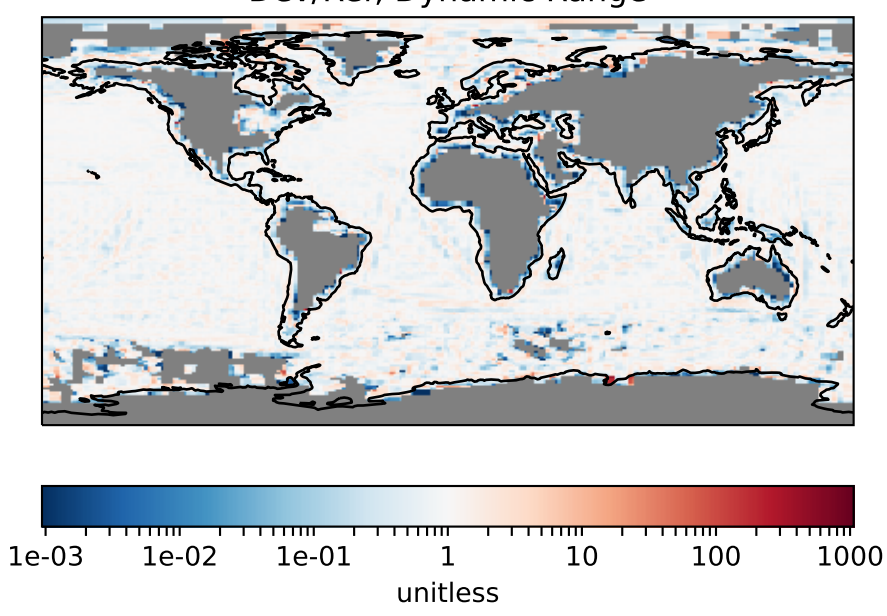

Difference (1x1.25)
Dev - Ref, Dynamic Range



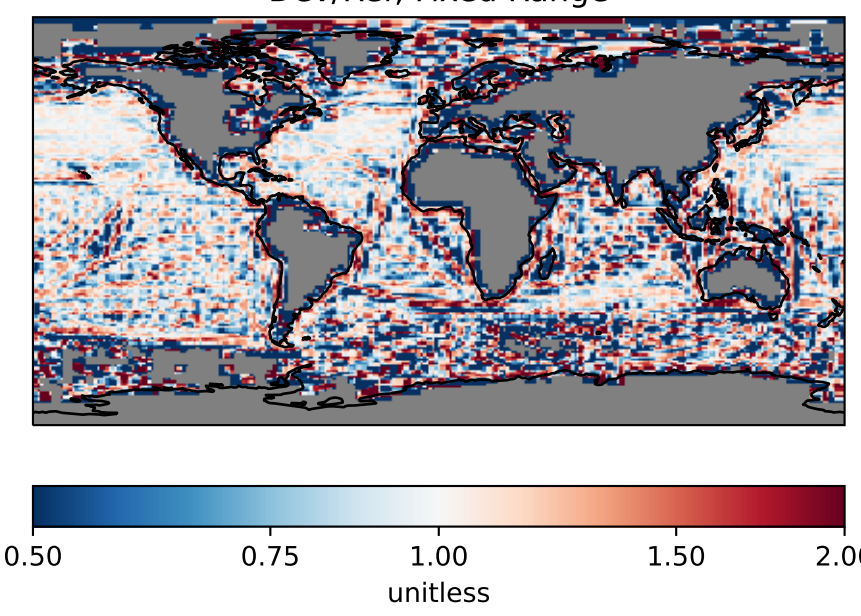

Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]




Ratio (1x1.25)
Dev/Ref, Dynamic Range

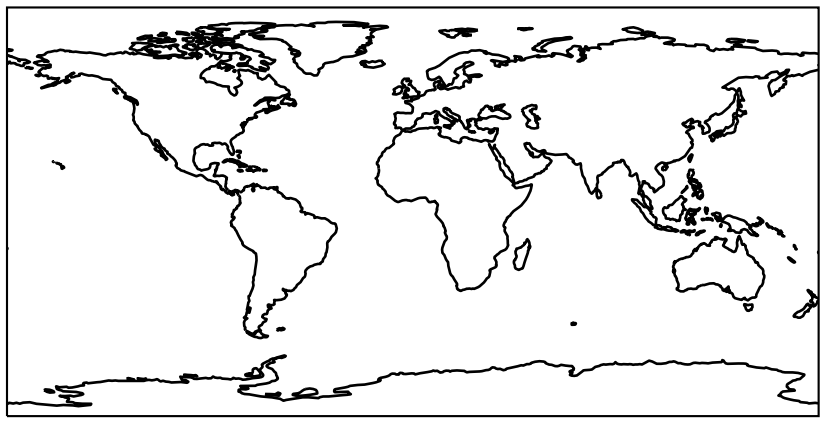



Ratio (1x1.25)
Dev/Ref, Fixed Range



# EmisEOH_Ship (Oct2019)

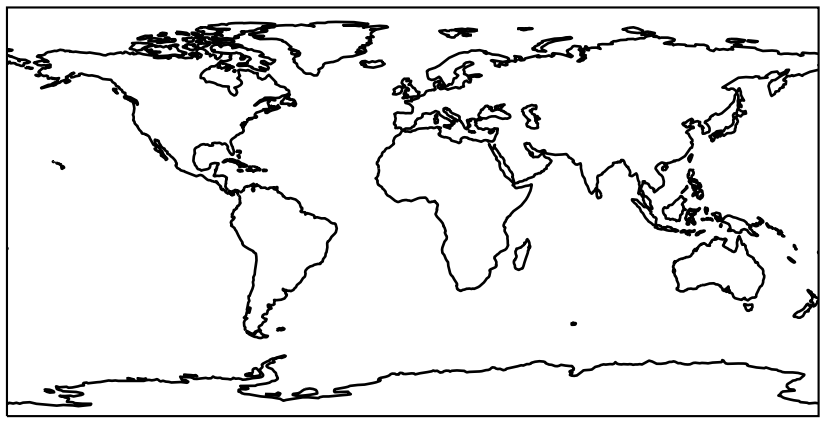
GCC_13.2.0-LuoWetdep (Ref)
4.0x5.0





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kg/m2/s

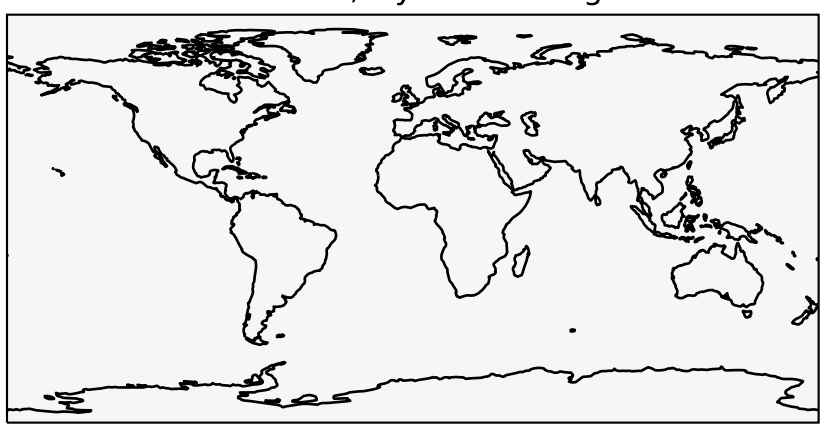
GCHP_13.2.0-LuoWetdep (Dev)
c48





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kg/m2/s

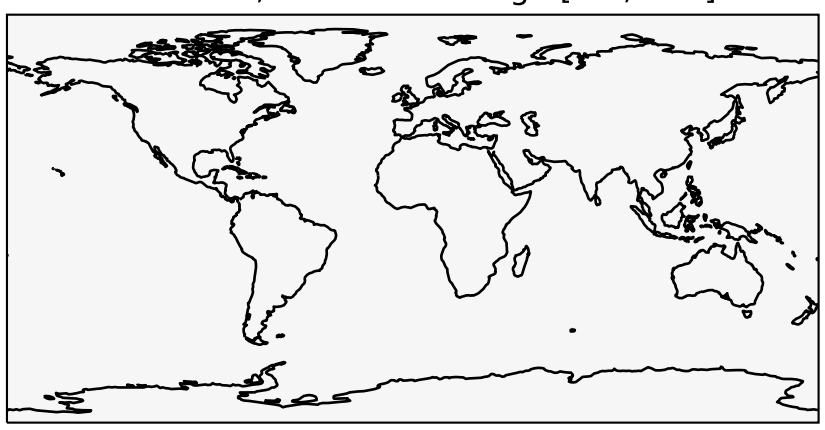
Difference (1x1.25)
Dev - Ref, Dynamic Range





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kg/m2/s

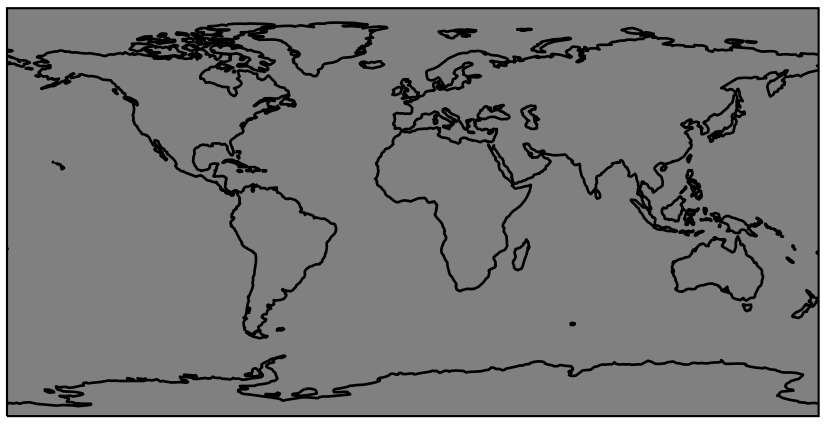
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]





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kg/m2/s

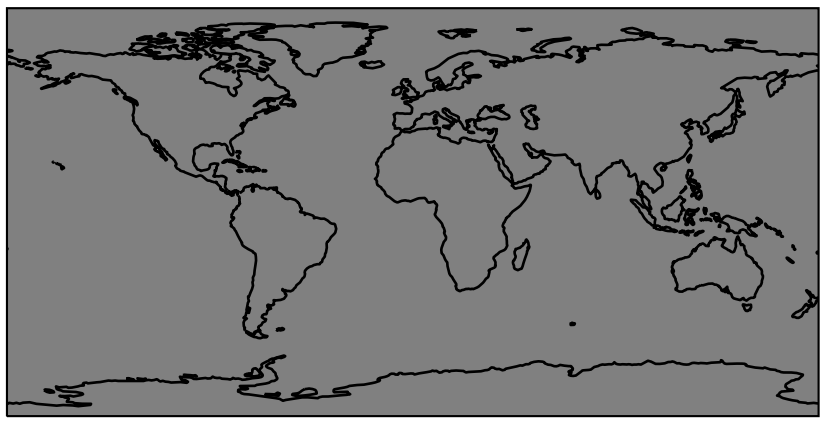
Ratio (1x1.25)
Dev/Ref, Dynamic Range





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Ratio (1x1.25)
Dev/Ref, Fixed Range

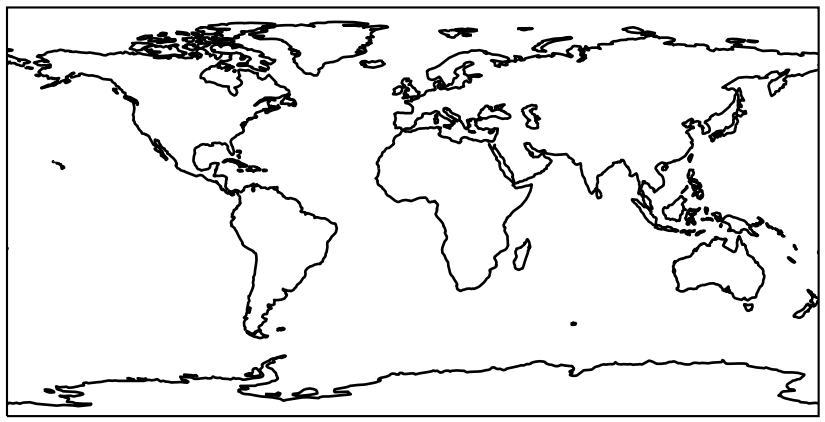




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# EmisHCOOH_Ship (Oct2019)

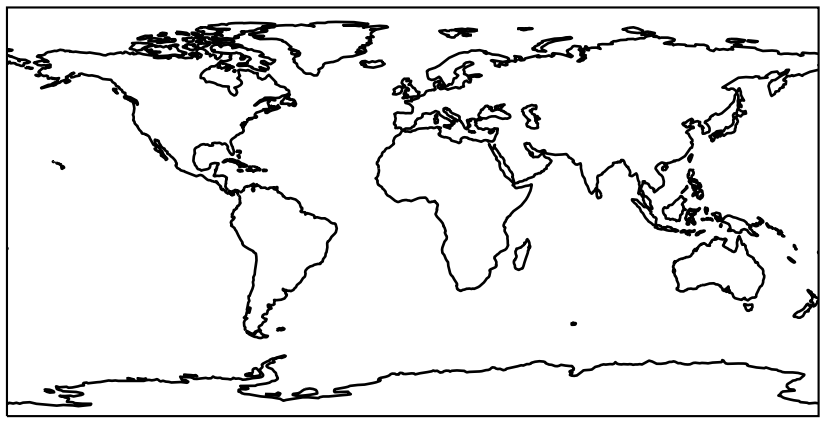
GCC_13.2.0-LuoWetdep (Ref)
4.0x5.0





Zero throughout domain
kg/m2/s

GCHP_13.2.0-LuoWetdep (Dev)
c48





Zero throughout domain
kg/m2/s

Difference (1x1.25)
Dev - Ref, Dynamic Range





Zero throughout domain
kg/m2/s

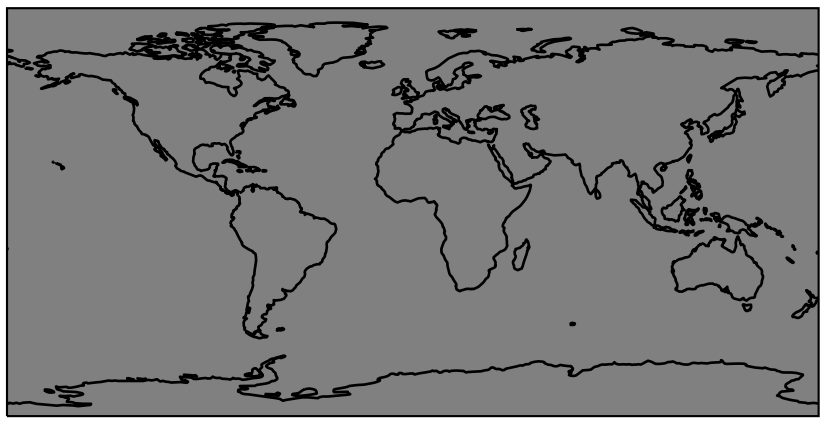
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]





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kg/m2/s

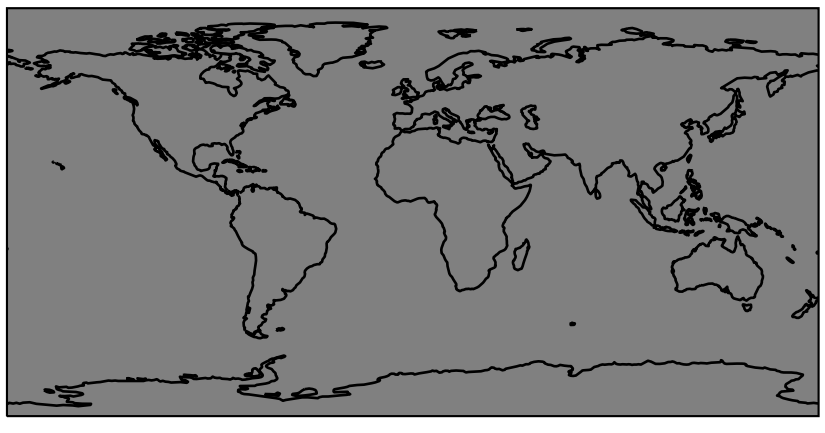
Ratio (1x1.25)
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Ratio (1x1.25)
Dev/Ref, Fixed Range

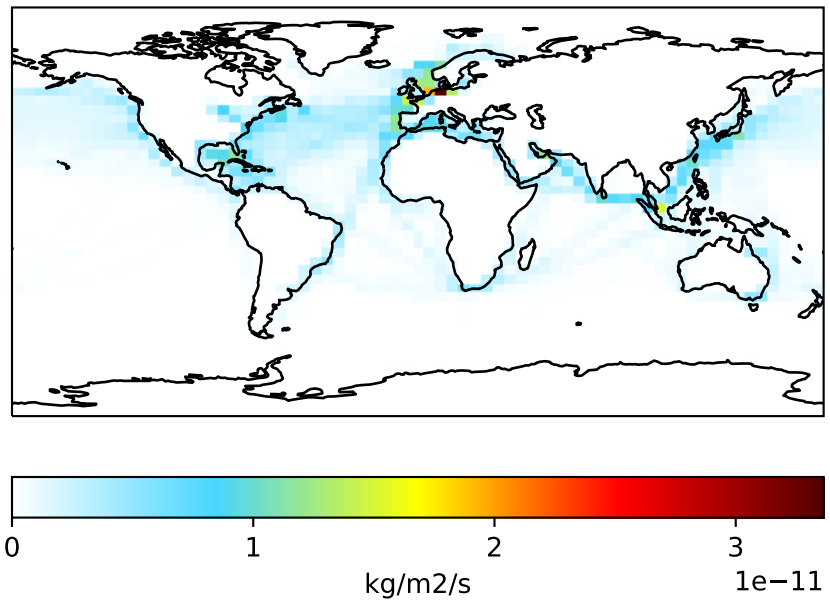




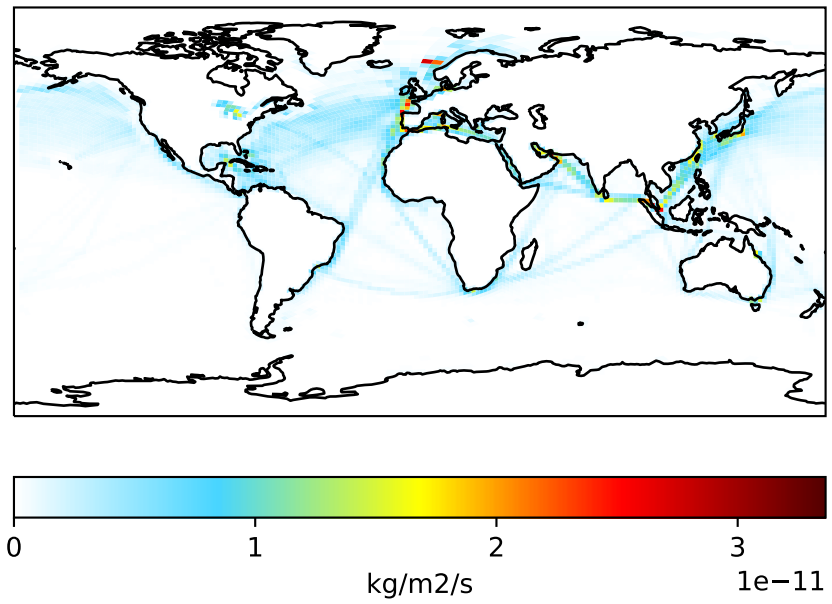
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# EmisHNO3_Ship (Oct2019)

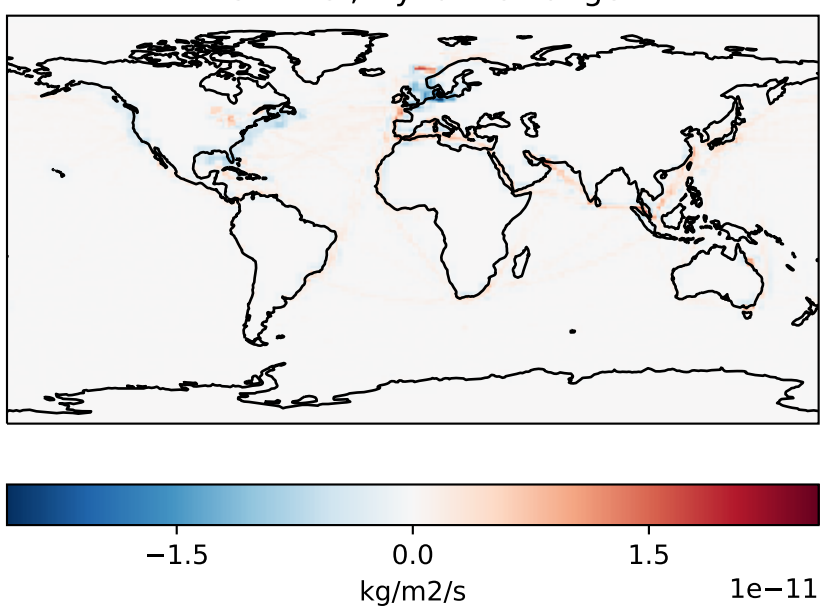
GCC_13.2.0-LuoWetdep (Ref)
4.0x5.0



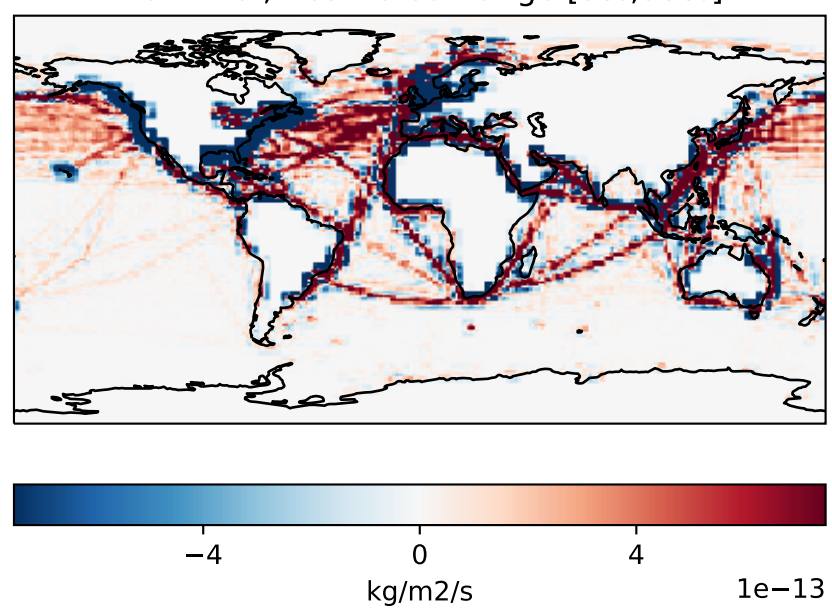

GCHP_13.2.0-LuoWetdep (Dev)
c48



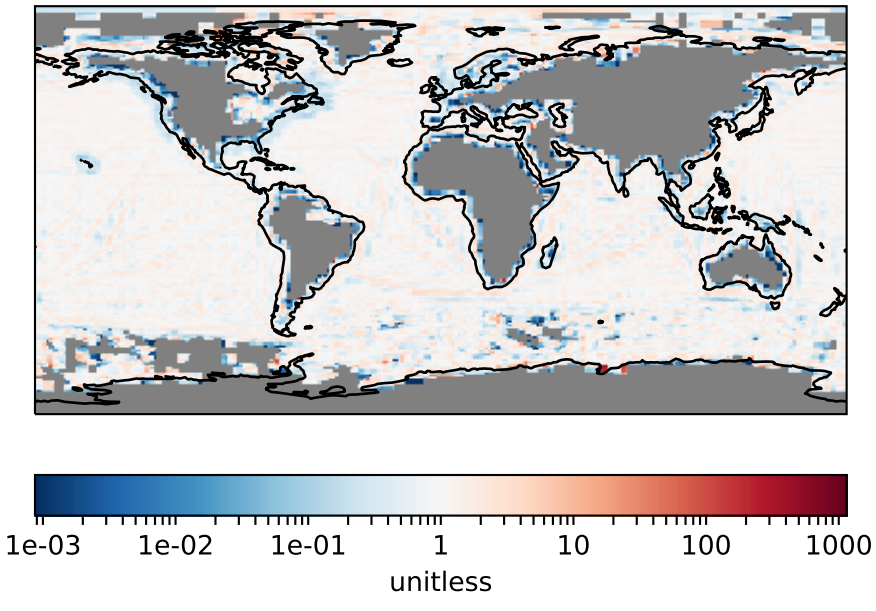

Difference (1x1.25)
Dev - Ref, Dynamic Range



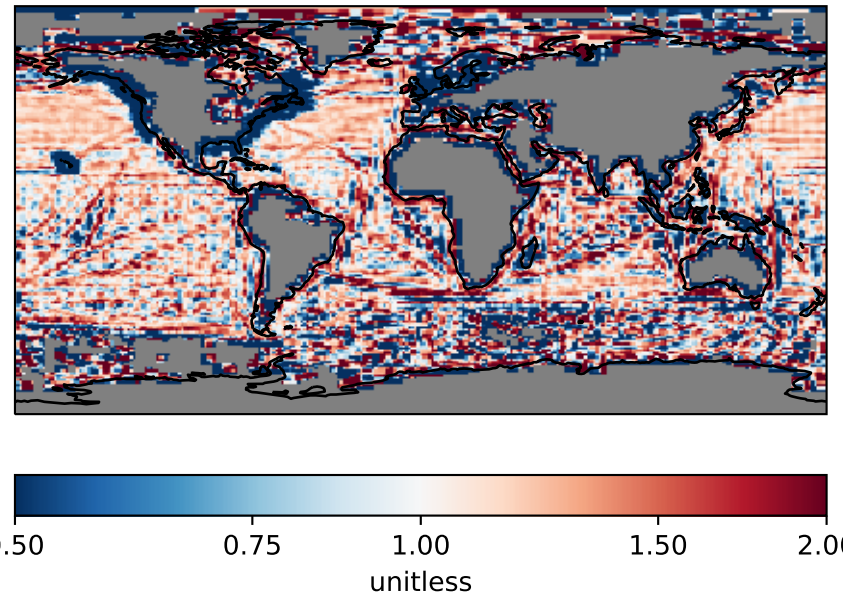

Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]




Ratio (1x1.25)
Dev/Ref, Dynamic Range

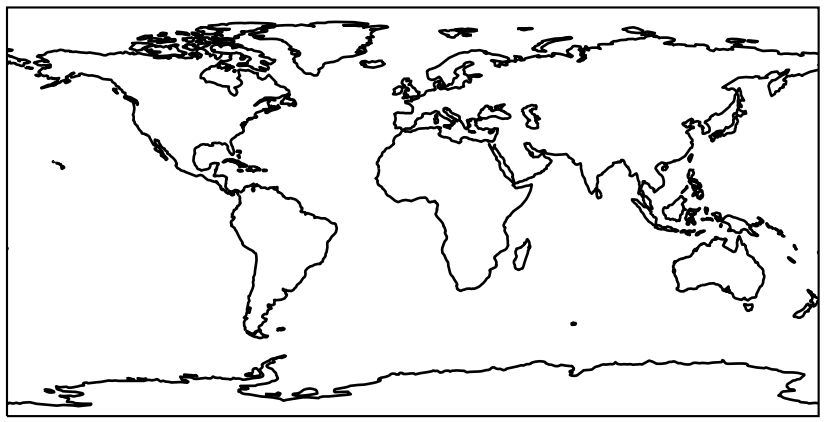



Ratio (1x1.25)
Dev/Ref, Fixed Range



# EmisMEK_Ship (Oct2019)

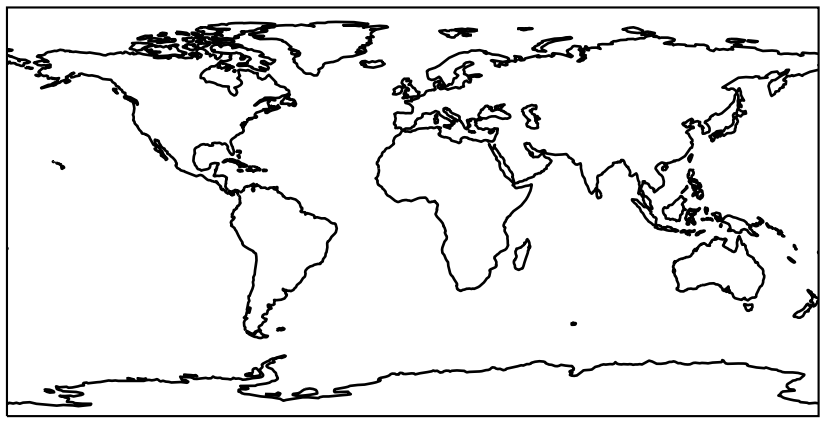
GCC_13.2.0-LuoWetdep (Ref)
4.0x5.0





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kg/m2/s

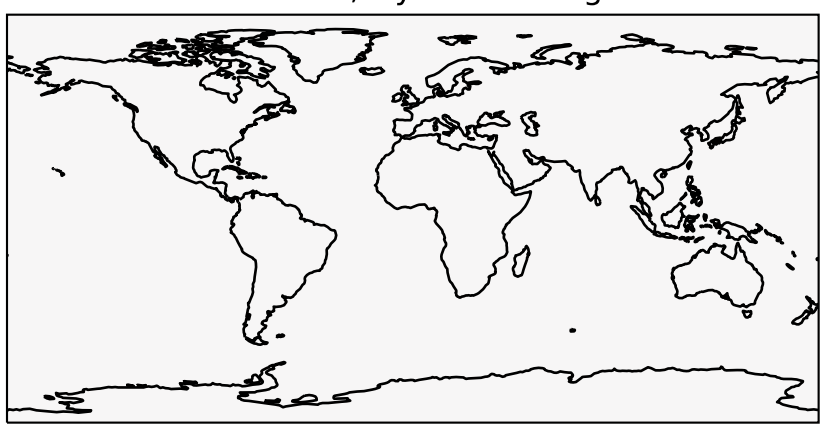
GCHP_13.2.0-LuoWetdep (Dev)
c48





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kg/m2/s

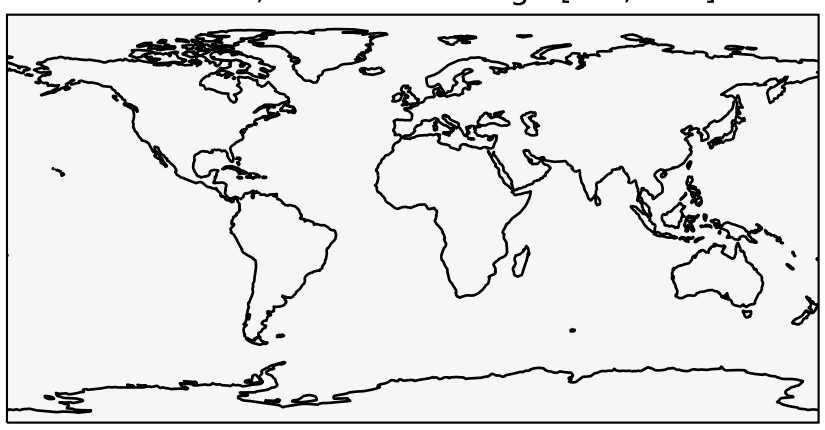
Difference (1x1.25)
Dev - Ref, Dynamic Range





Zero throughout domain
kg/m2/s

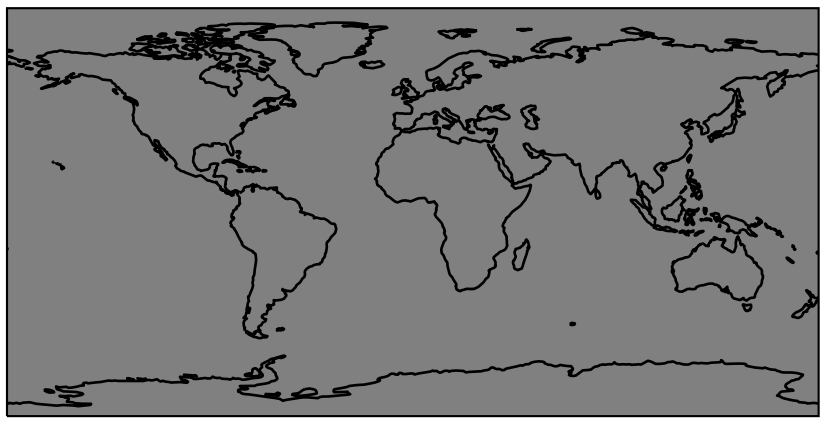
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]





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kg/m2/s

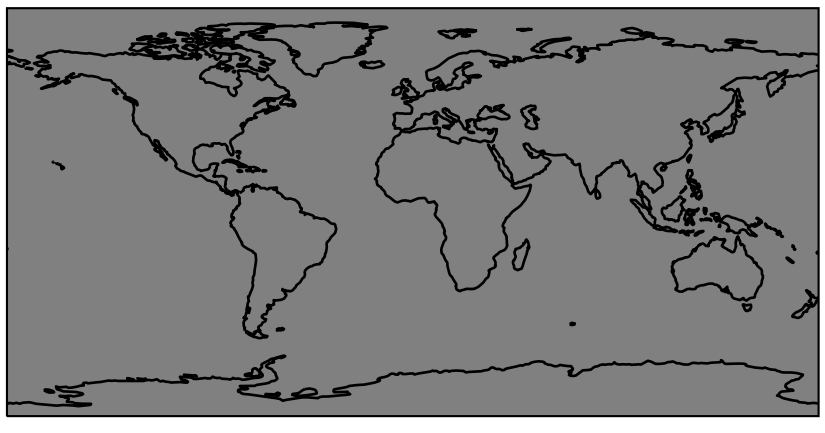
Ratio (1x1.25)
Dev/Ref, Dynamic Range





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Ratio (1x1.25)
Dev/Ref, Fixed Range

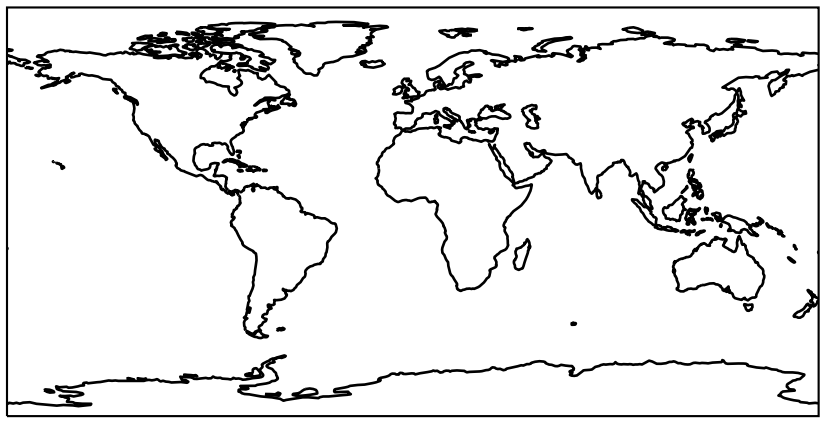




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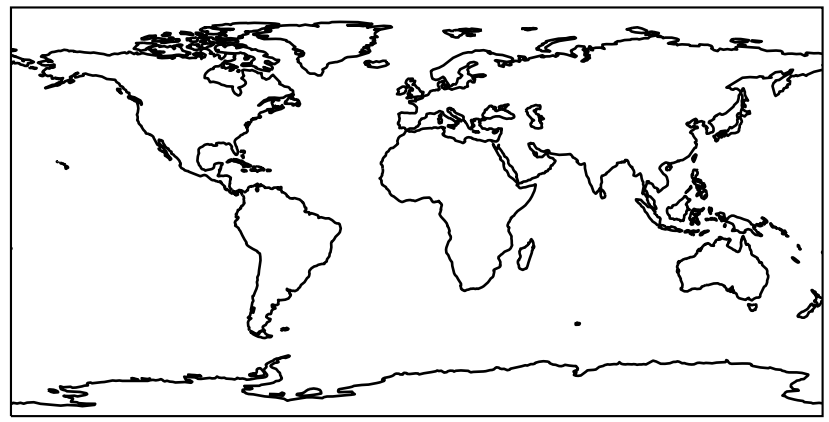
# EmisMOH_Ship (Oct2019)

GCC_13.2.0-LuoWetdep (Ref)
4.0x5.0



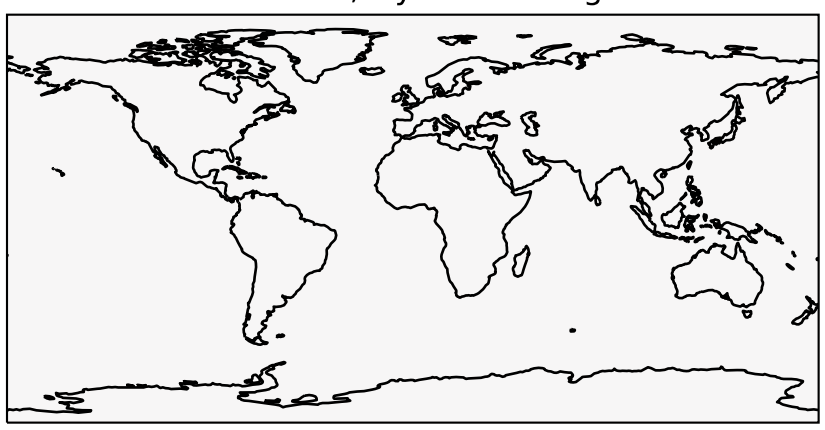
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kg/m2/s

GCHP_13.2.0-LuoWetdep (Dev)
c48



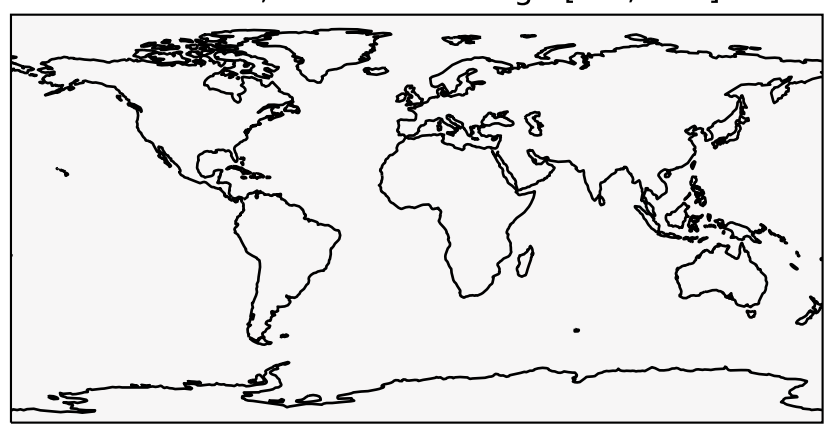
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kg/m2/s

Difference (1x1.25)
Dev - Ref, Dynamic Range



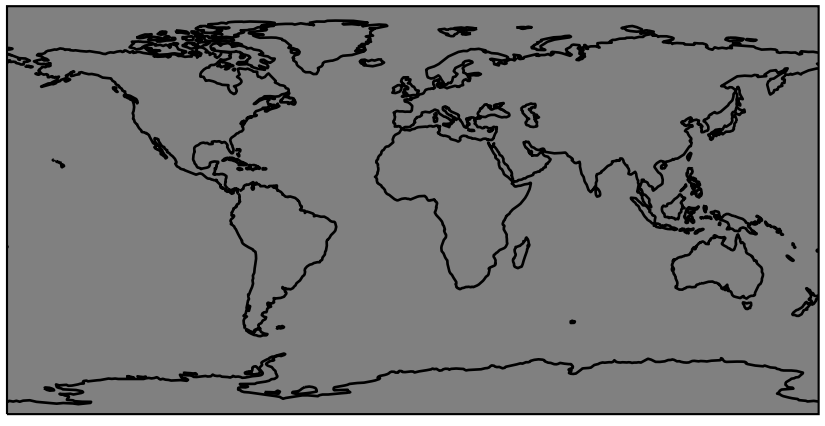
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kg/m2/s

Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



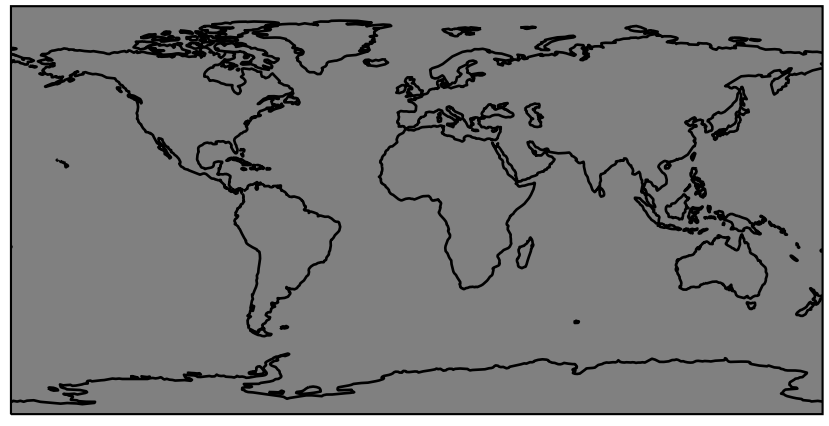
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Ratio (1x1.25)
Dev/Ref, Dynamic Range



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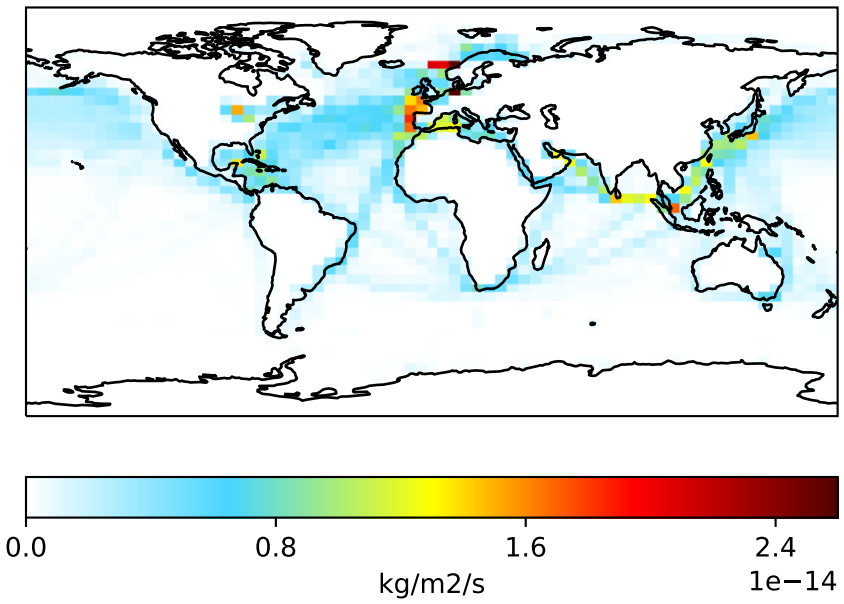
Ratio (1x1.25)
Dev/Ref, Fixed Range



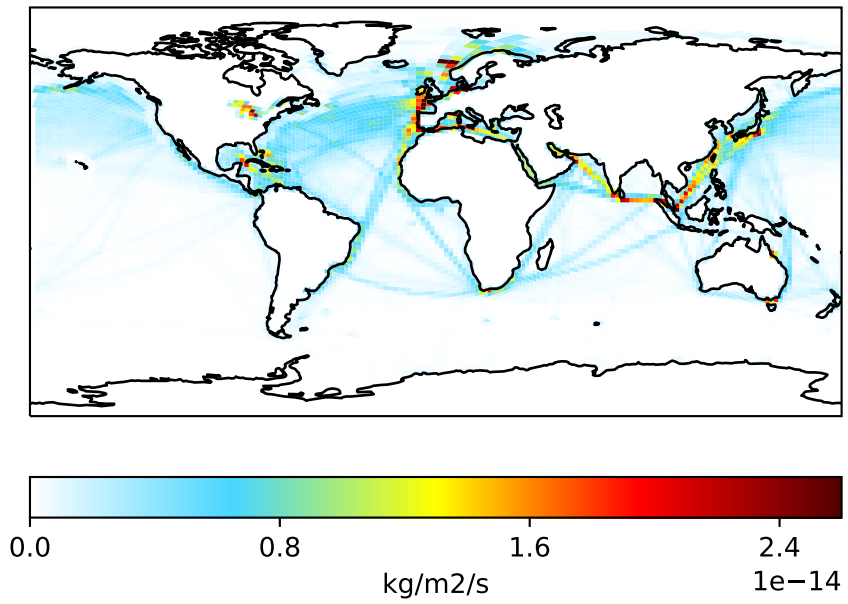
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# EmisNH3_Ship (Oct2019)

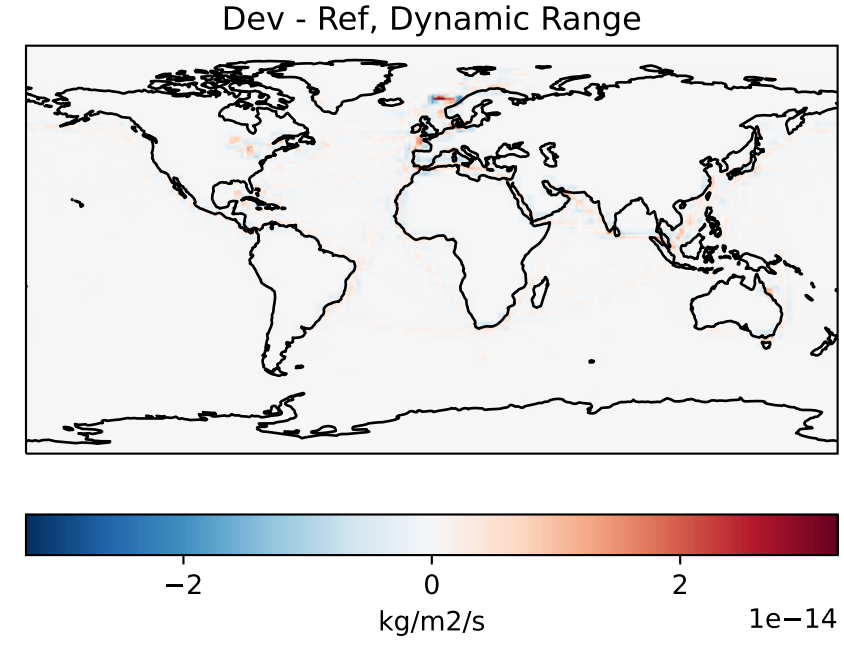
GCC_13.2.0-LuoWetdep (Ref)
4.0x5.0



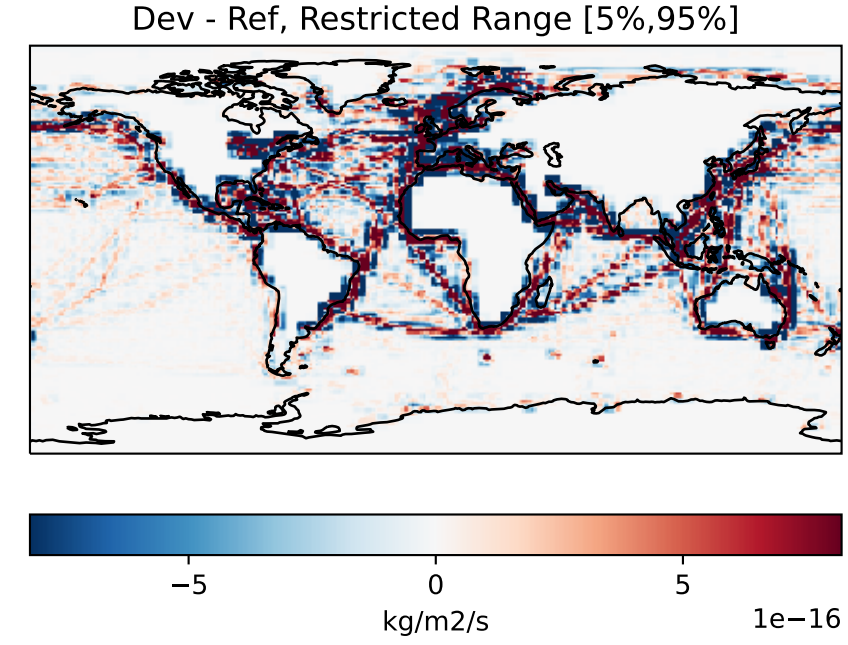

GCHP_13.2.0-LuoWetdep (Dev)
c48



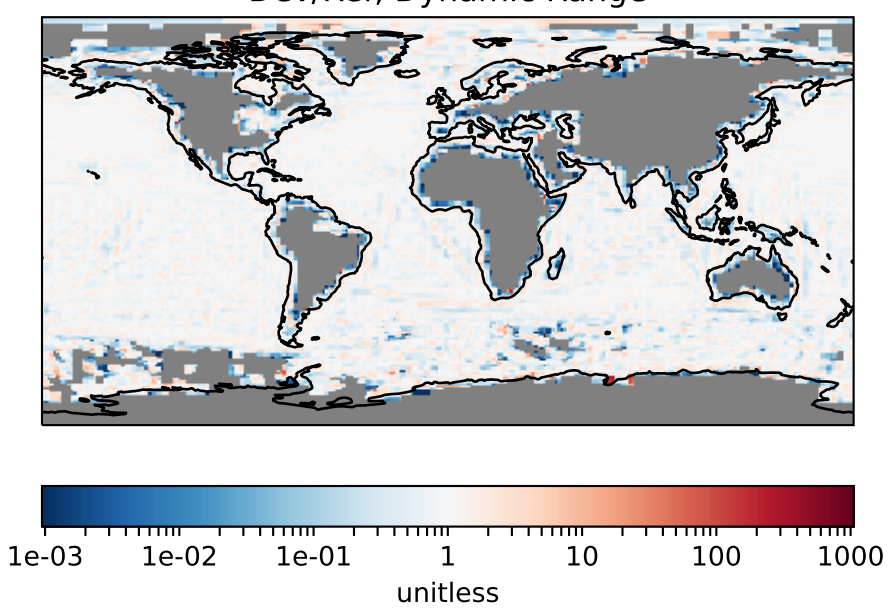

Difference (1x1.25)
Dev - Ref, Dynamic Range



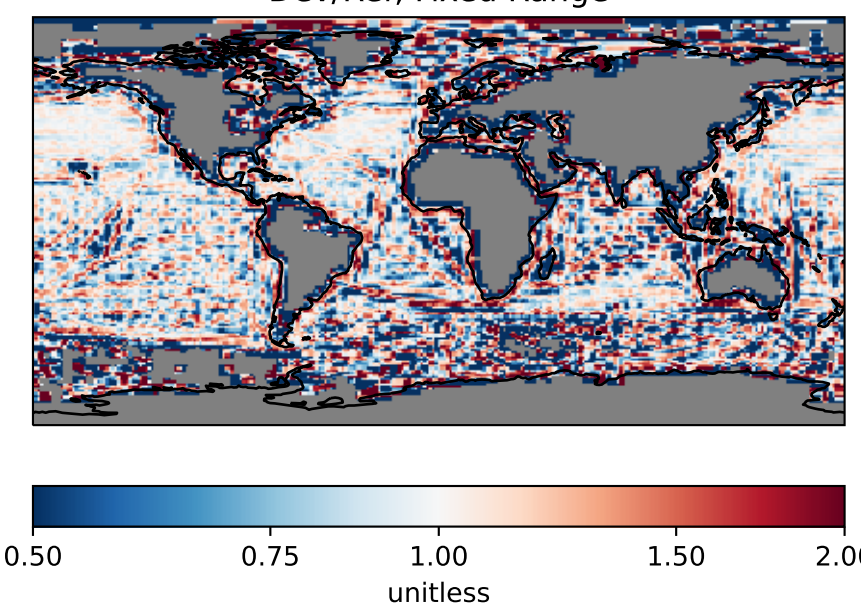

Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]




Ratio (1x1.25)
Dev/Ref, Dynamic Range

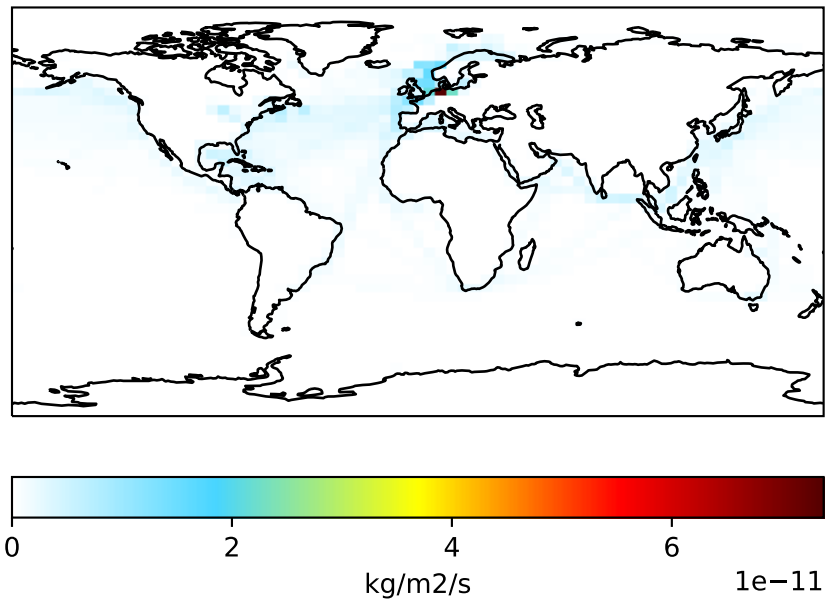



Ratio (1x1.25)
Dev/Ref, Fixed Range

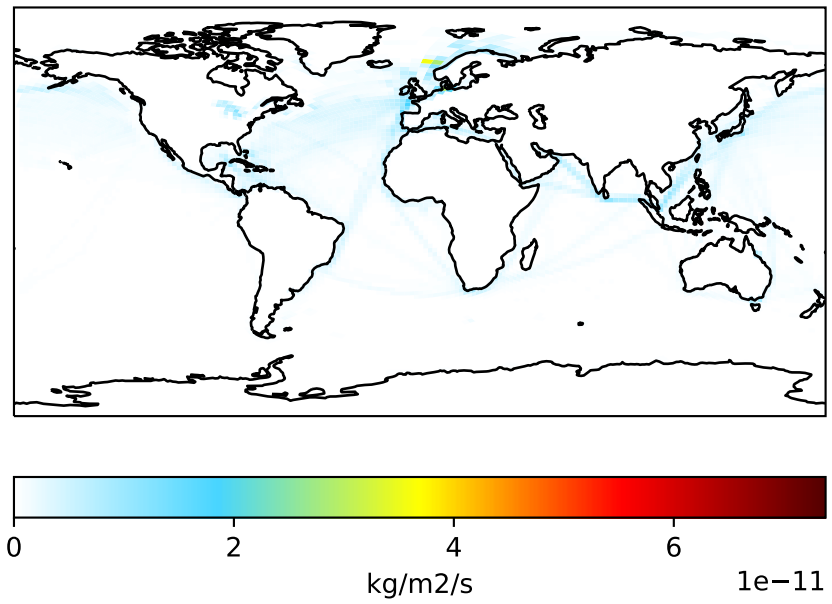


# EmisNO2_Ship (Oct2019)

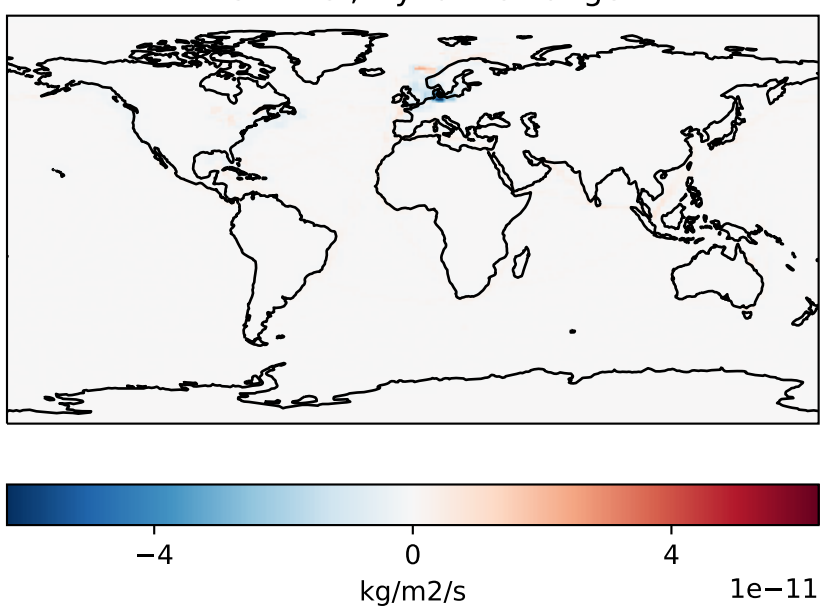
GCC_13.2.0-LuoWetdep (Ref)
4.0x5.0



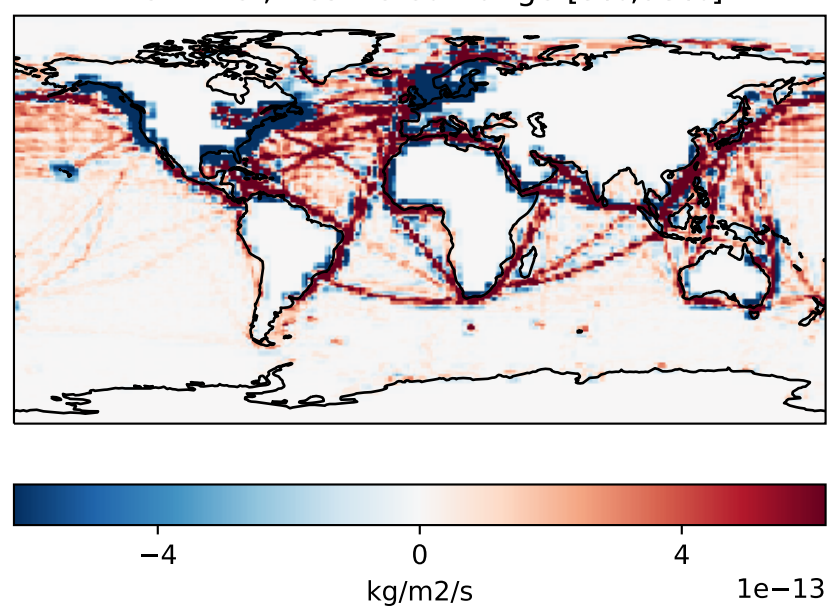

GCHP_13.2.0-LuoWetdep (Dev)
c48



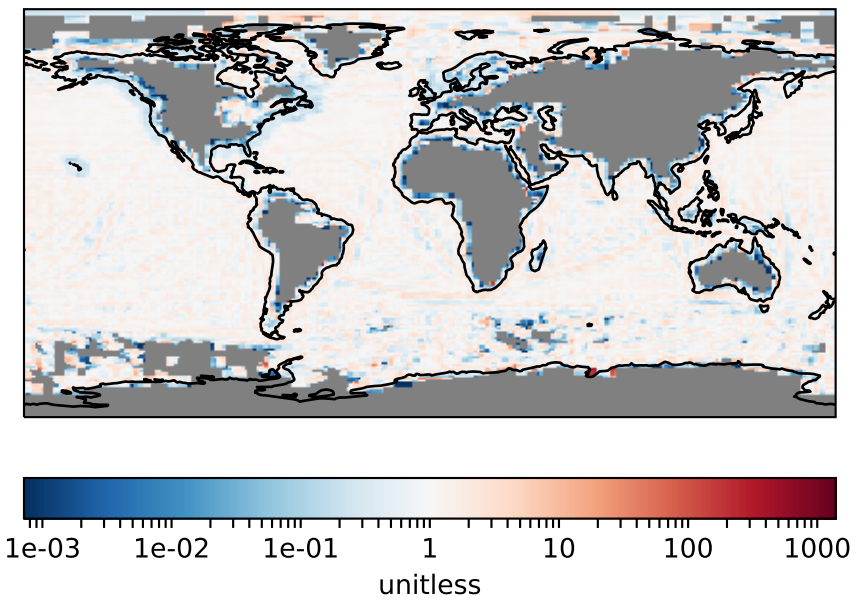

Difference (1x1.25)
Dev - Ref, Dynamic Range



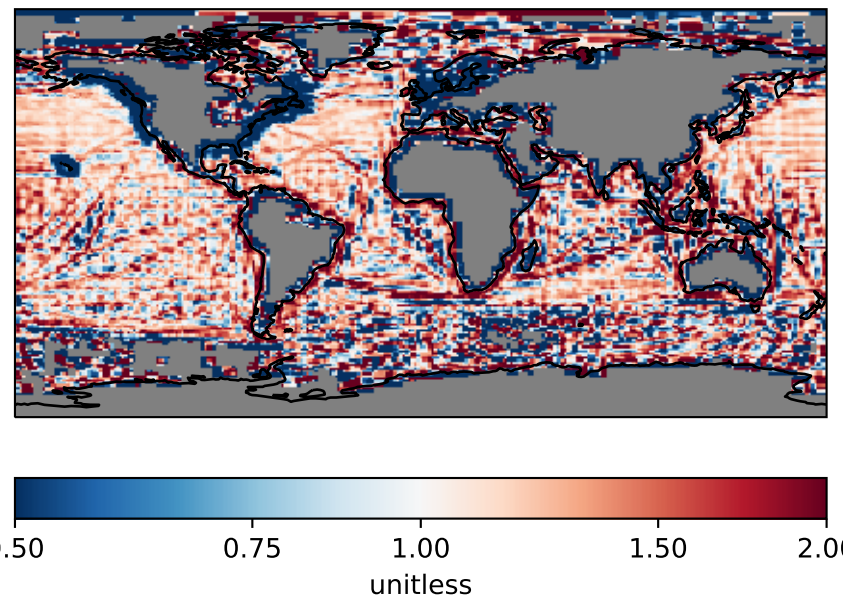

Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]




Ratio (1x1.25)
Dev/Ref, Dynamic Range

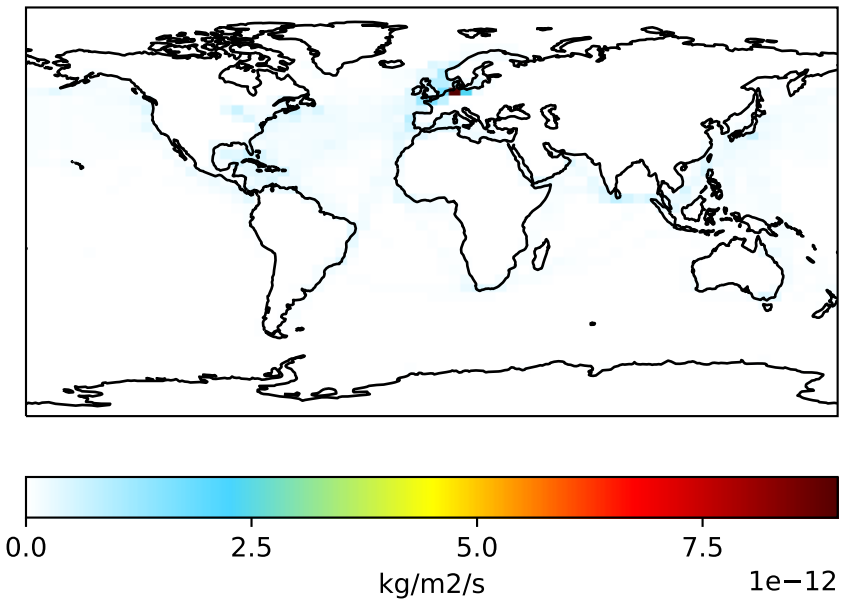



Ratio (1x1.25)
Dev/Ref, Fixed Range

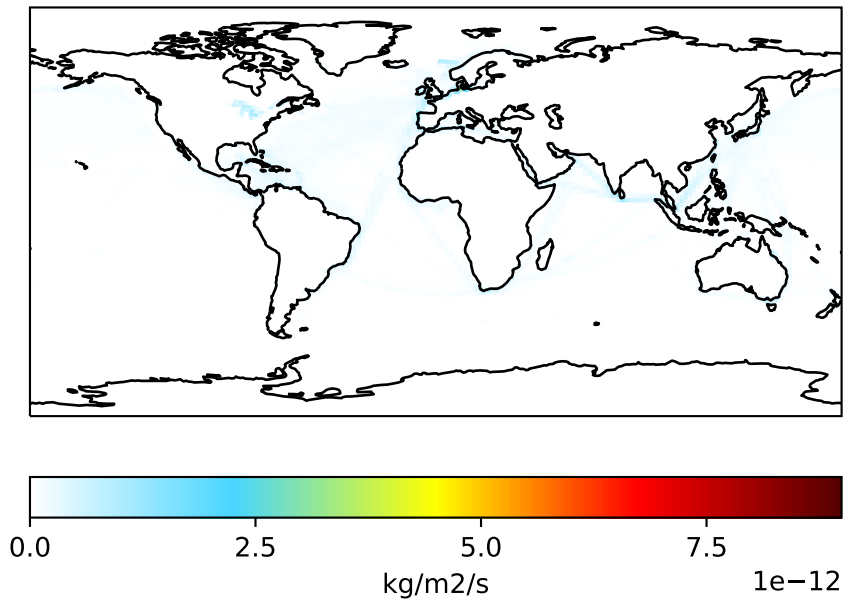


# EmisNO_Ship (Oct2019)

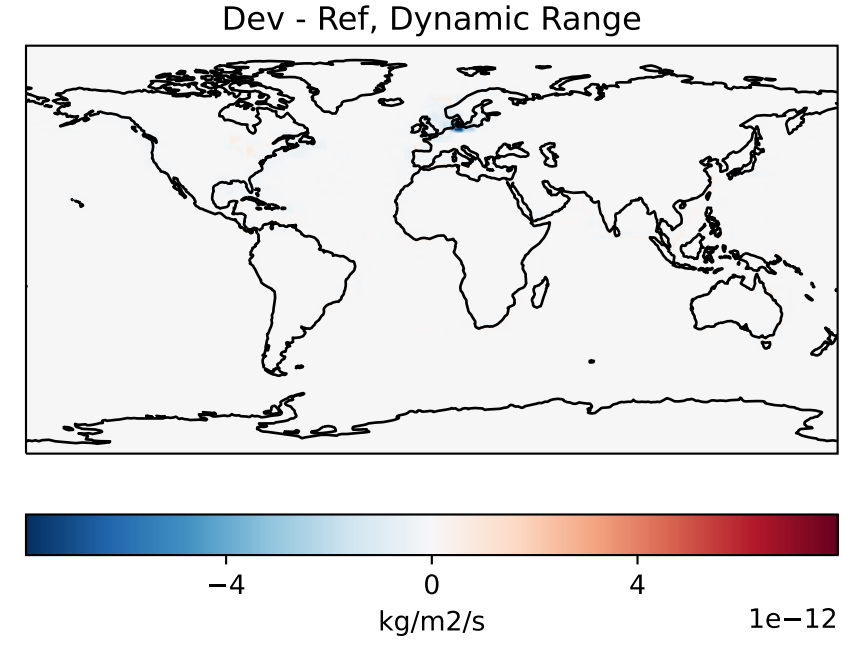
GCC_13.2.0-LuoWetdep (Ref)
4.0x5.0



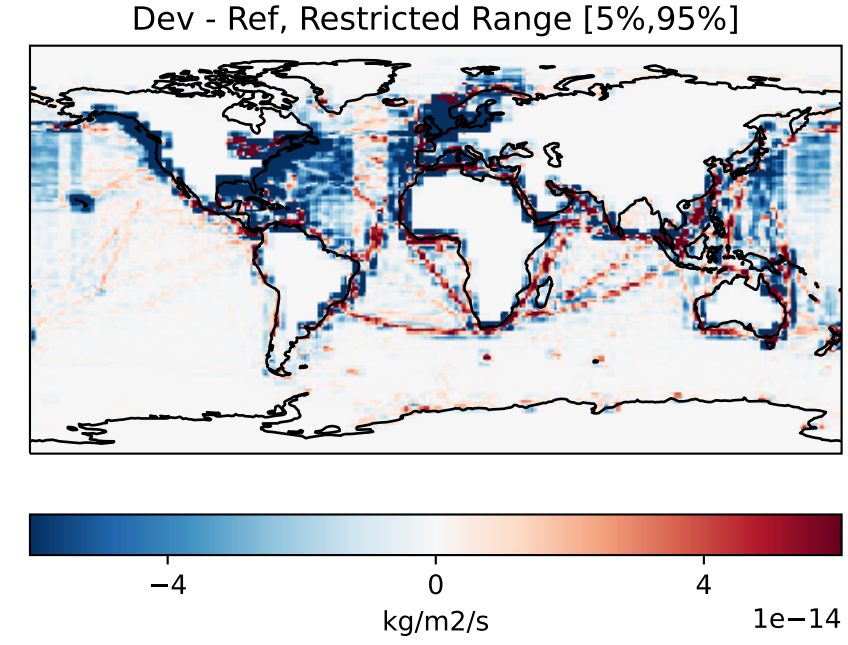

GCHP_13.2.0-LuoWetdep (Dev)
c48



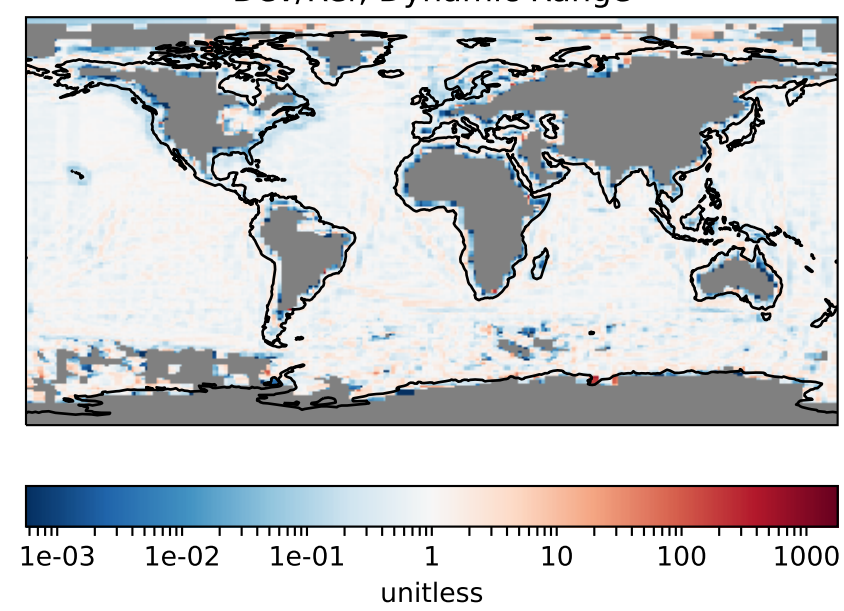

Difference (1x1.25)
Dev - Ref, Dynamic Range



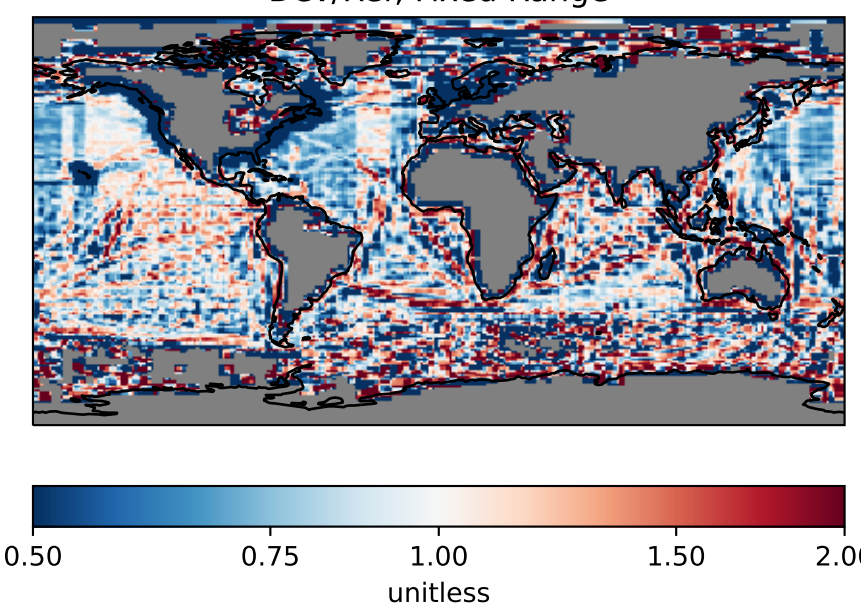

Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]




Ratio (1x1.25)
Dev/Ref, Dynamic Range

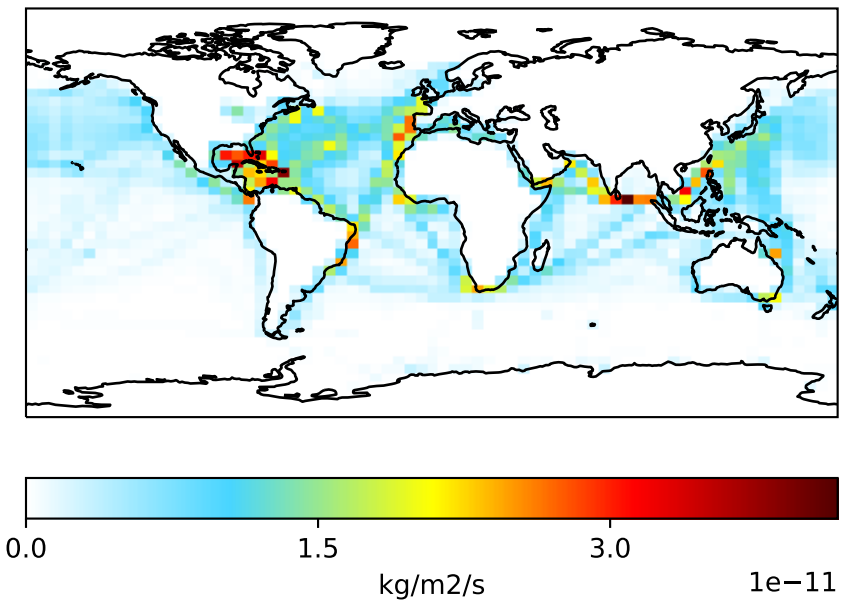



Ratio (1x1.25)
Dev/Ref, Fixed Range

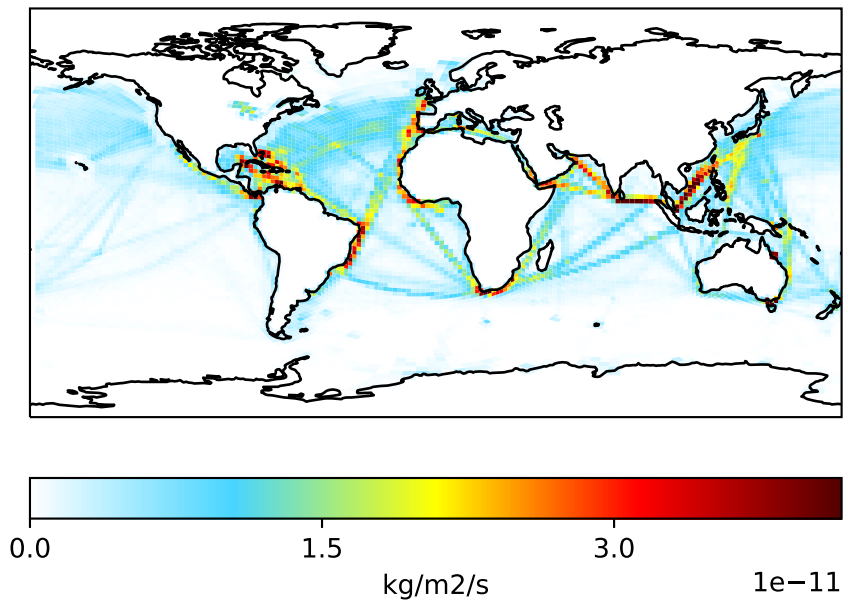


# EmisO3_Ship (Oct2019)

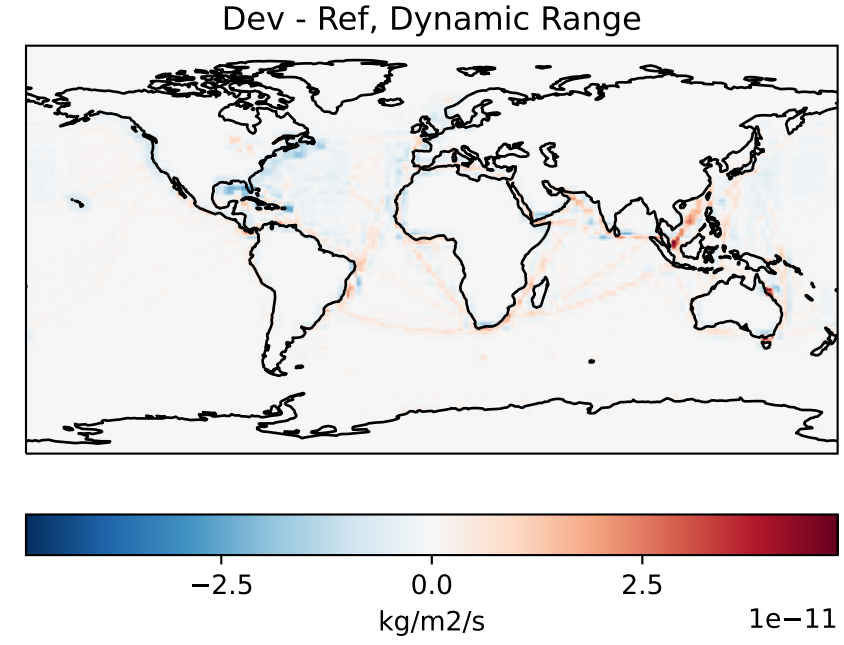
GCC_13.2.0-LuoWetdep (Ref)
4.0x5.0



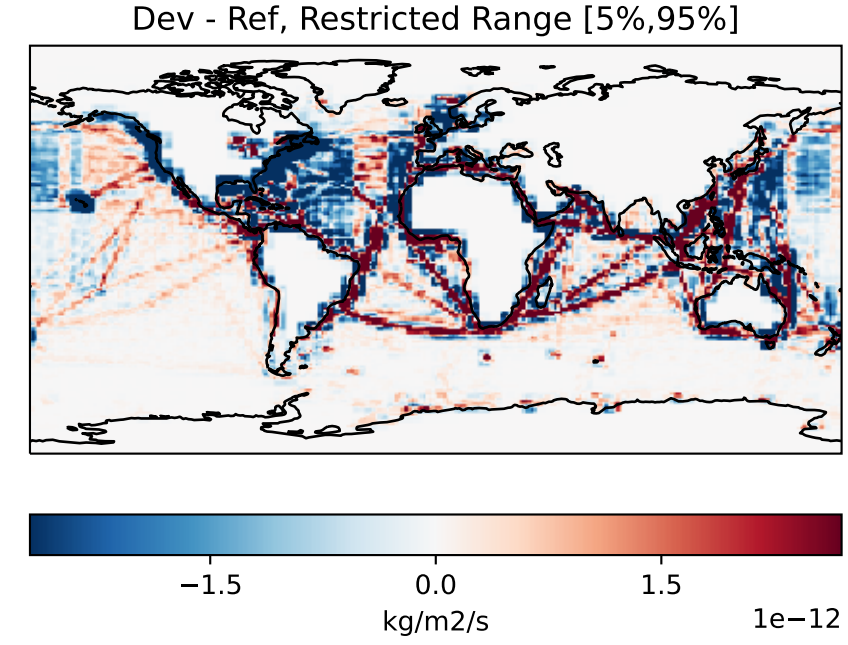

GCHP_13.2.0-LuoWetdep (Dev)
c48



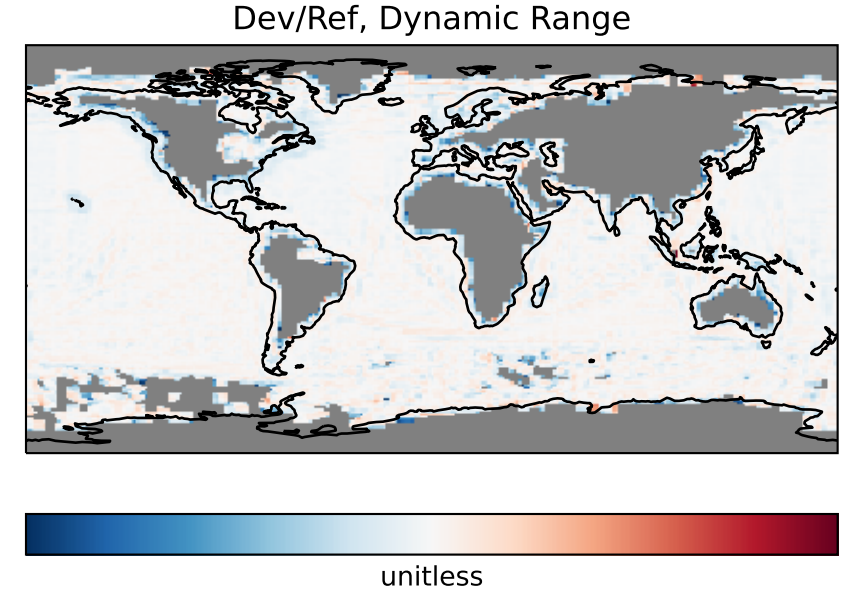

Difference (1x1.25)
Dev - Ref, Dynamic Range



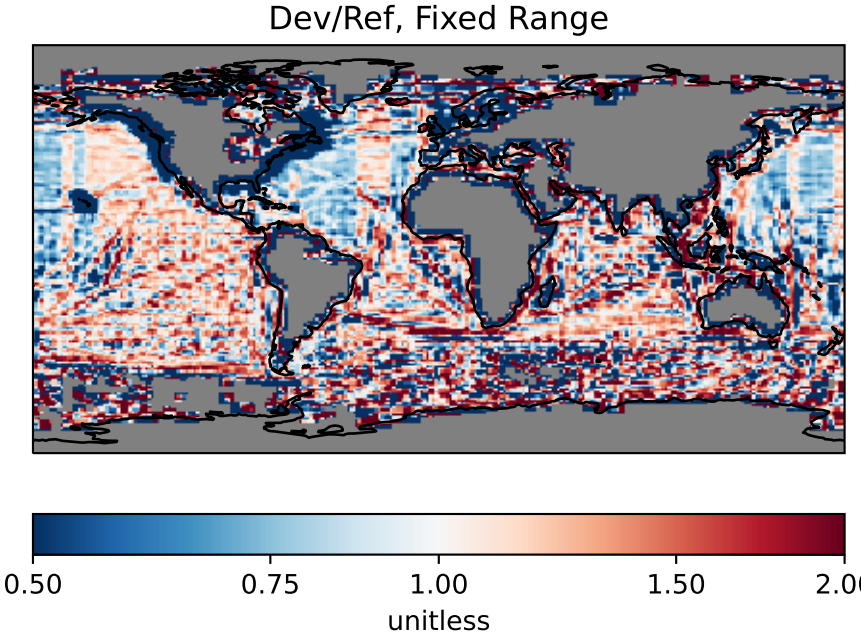

Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]




Ratio (1x1.25)
Dev/Ref, Dynamic Range

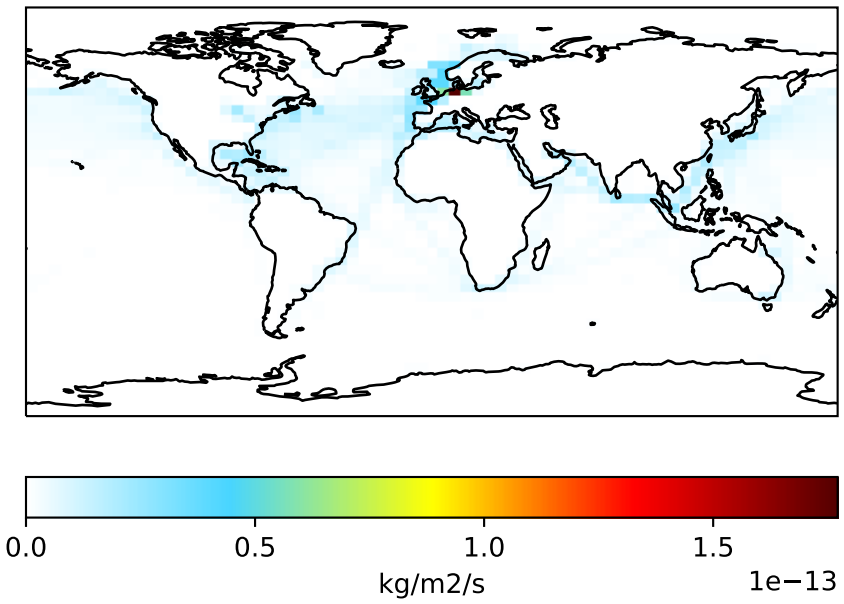



Ratio (1x1.25)
Dev/Ref, Fixed Range

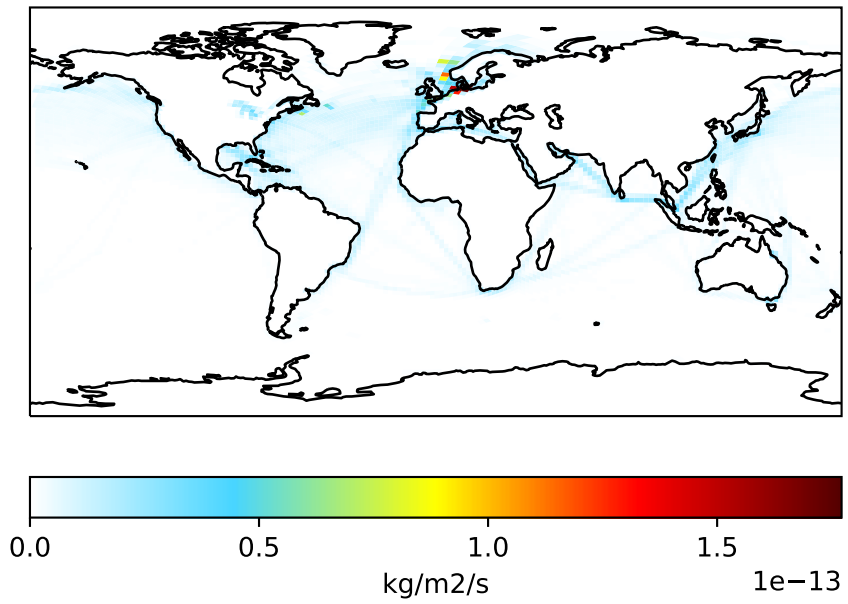


# EmisOCPI_Ship (Oct2019)

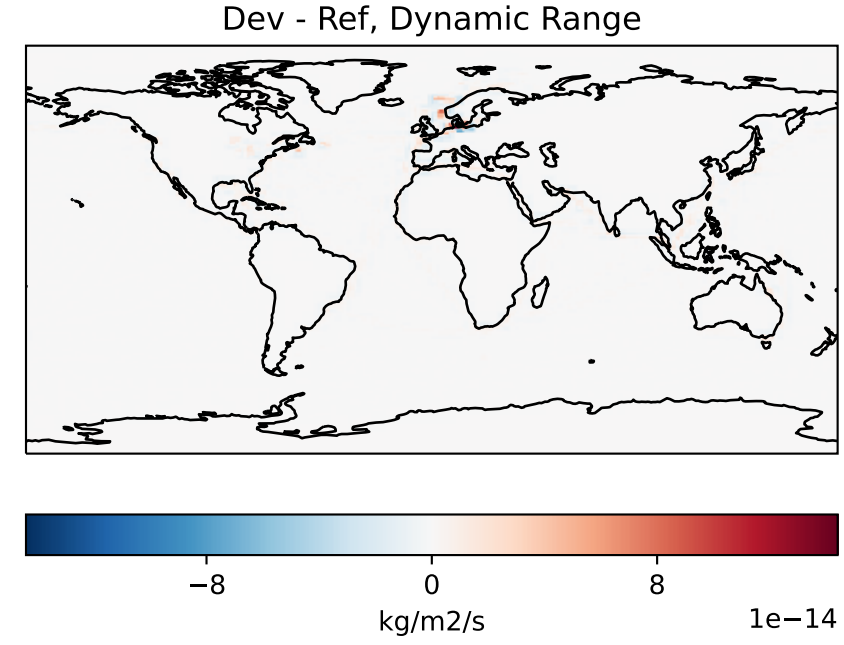
GCC_13.2.0-LuoWetdep (Ref)
4.0x5.0



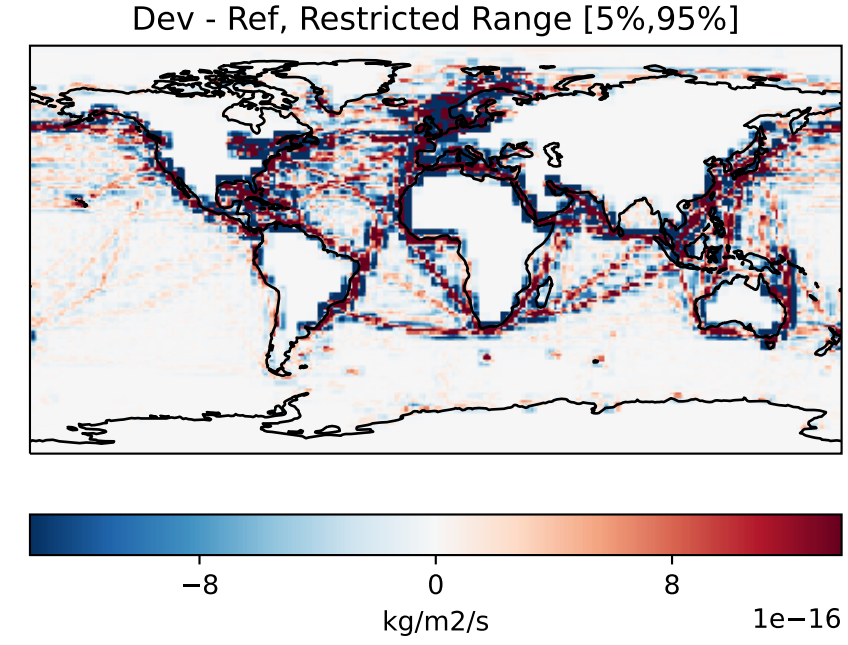

GCHP_13.2.0-LuoWetdep (Dev)
c48



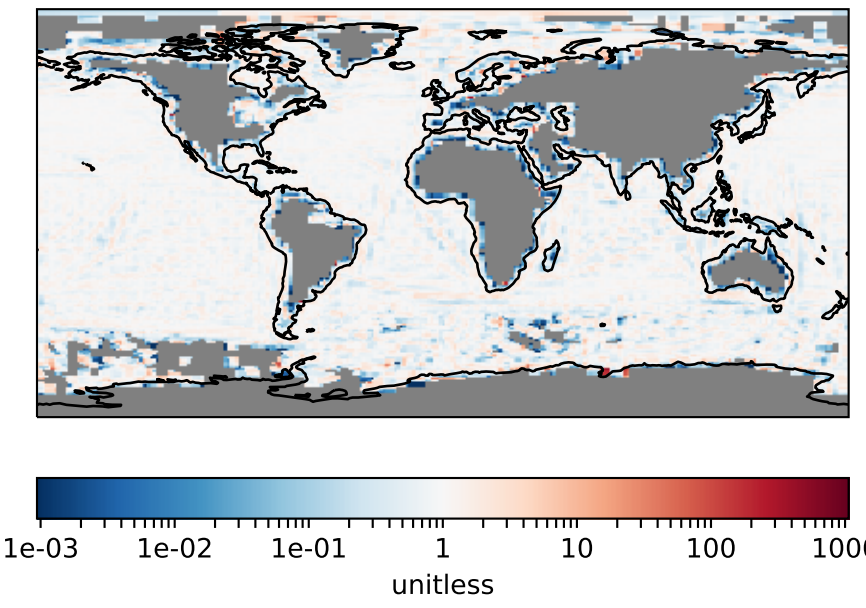

Difference (1x1.25)
Dev - Ref, Dynamic Range



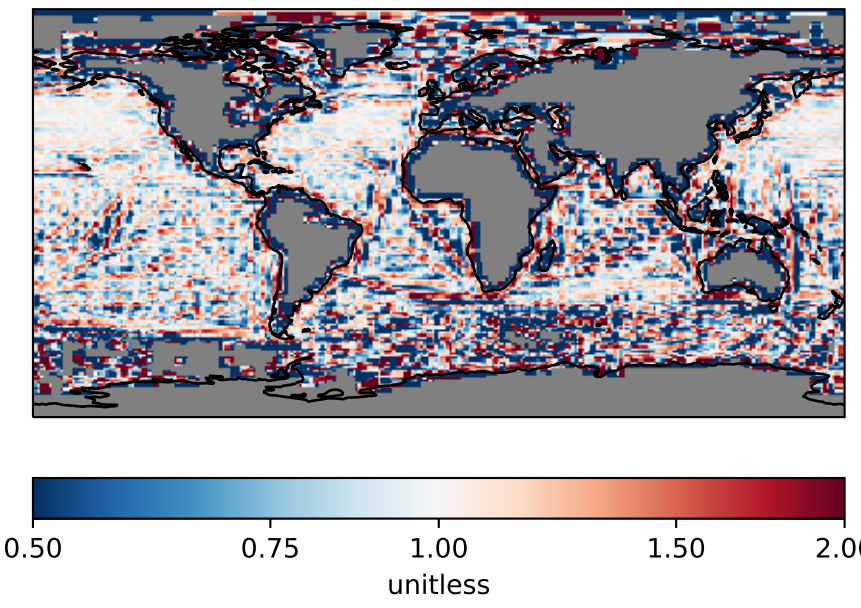

Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]




Ratio (1x1.25)
Dev/Ref, Dynamic Range

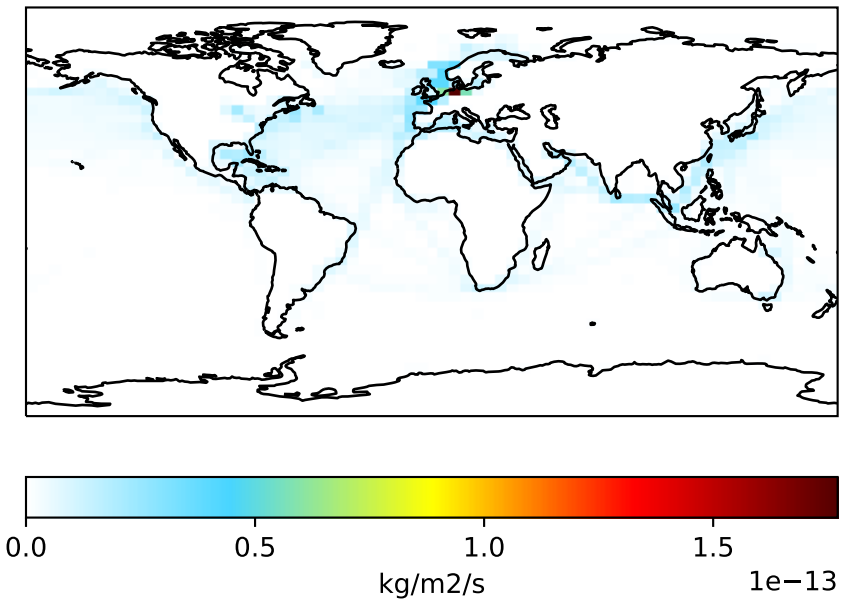



Ratio (1x1.25)
Dev/Ref, Fixed Range

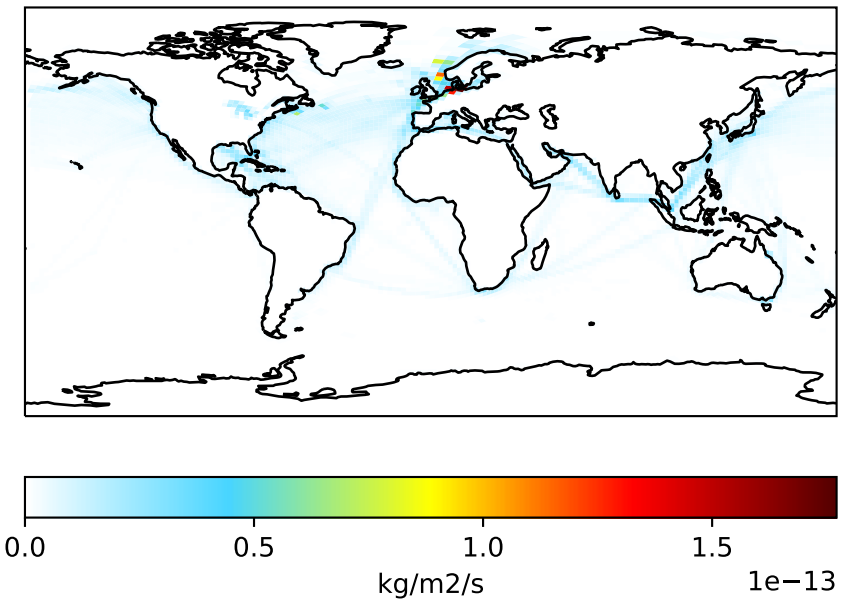


# EmisOCPO_Ship (Oct2019)

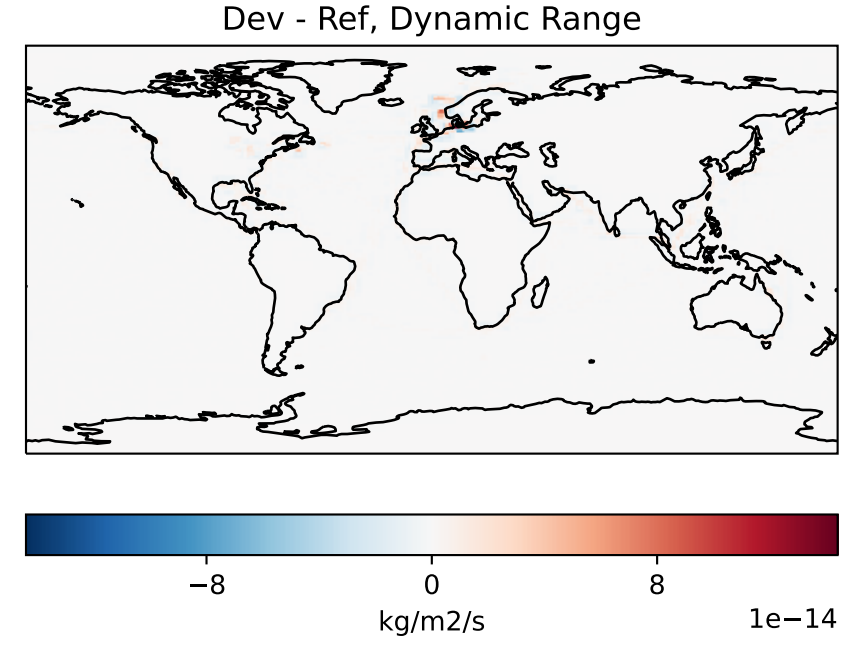
GCC_13.2.0-LuoWetdep (Ref)
4.0x5.0



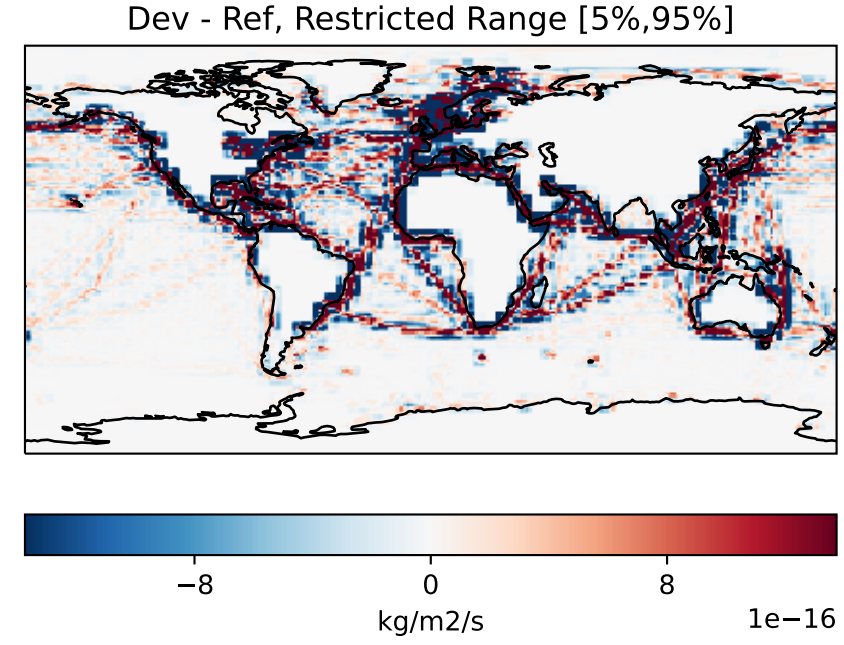

GCHP_13.2.0-LuoWetdep (Dev)
c48



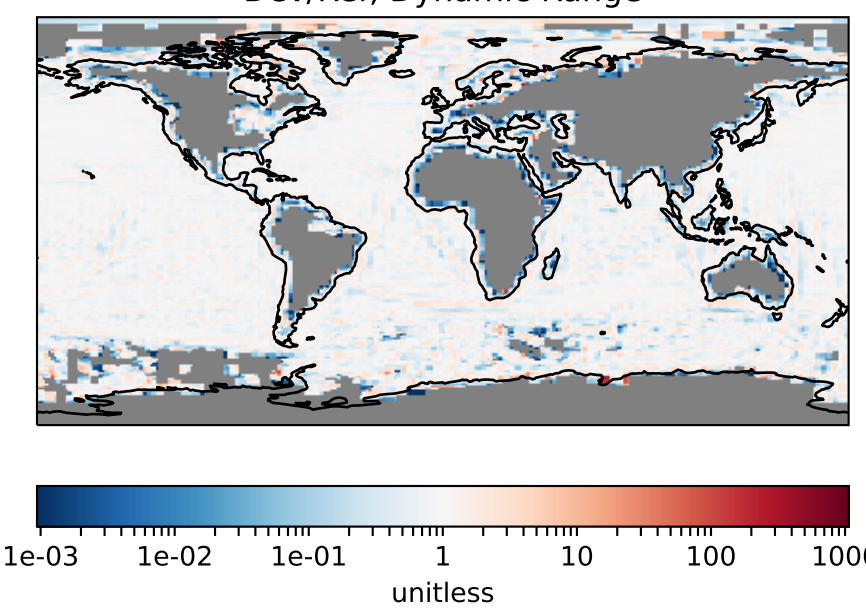

Difference (1x1.25)
Dev - Ref, Dynamic Range



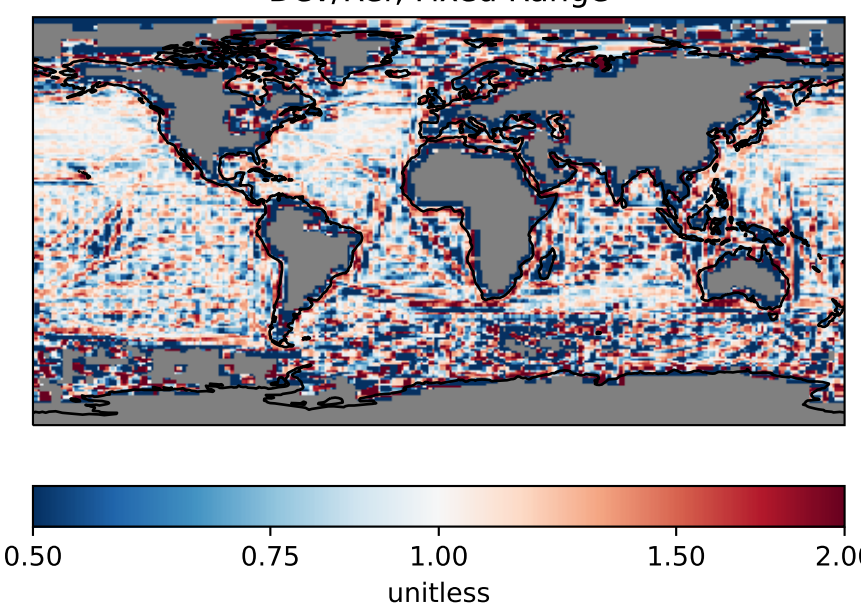

Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]




Ratio (1x1.25)
Dev/Ref, Dynamic Range

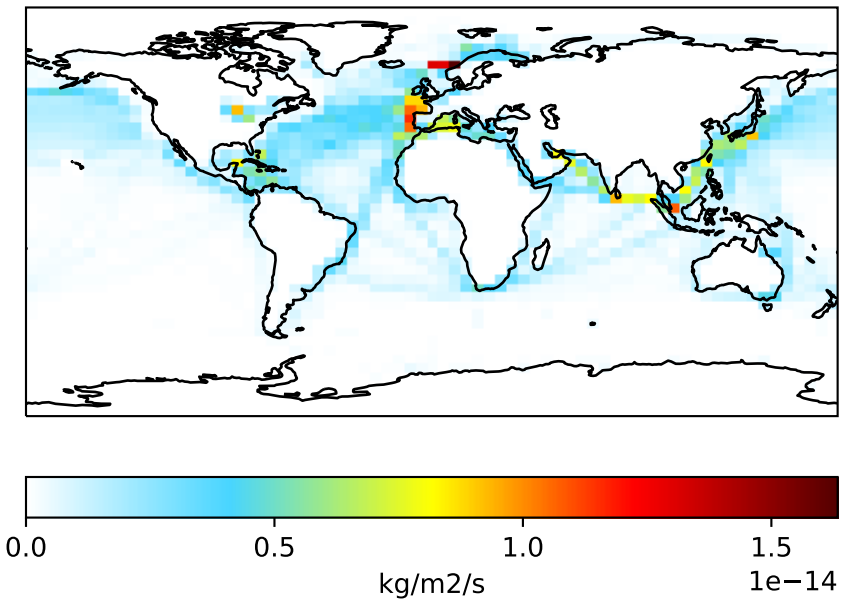



Ratio (1x1.25)
Dev/Ref, Fixed Range

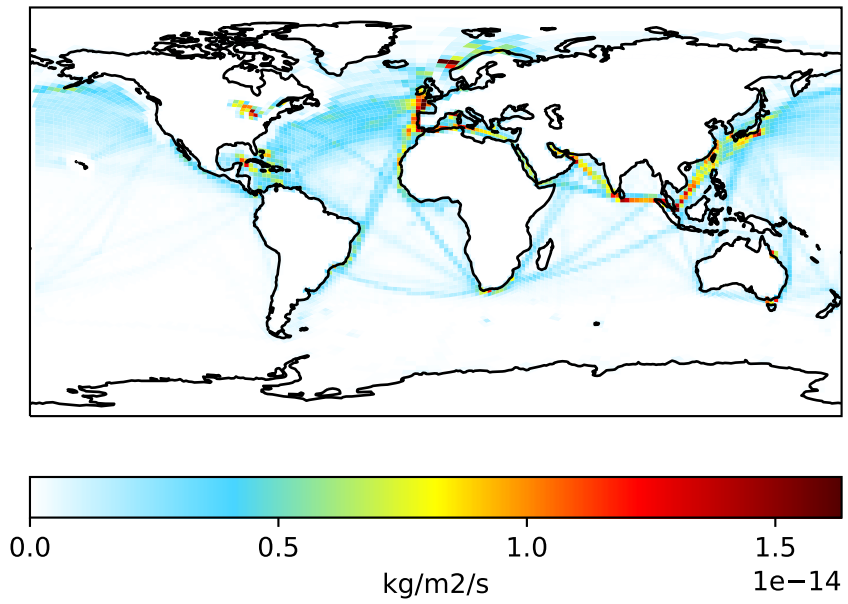


# EmispFe_Ship (Oct2019)

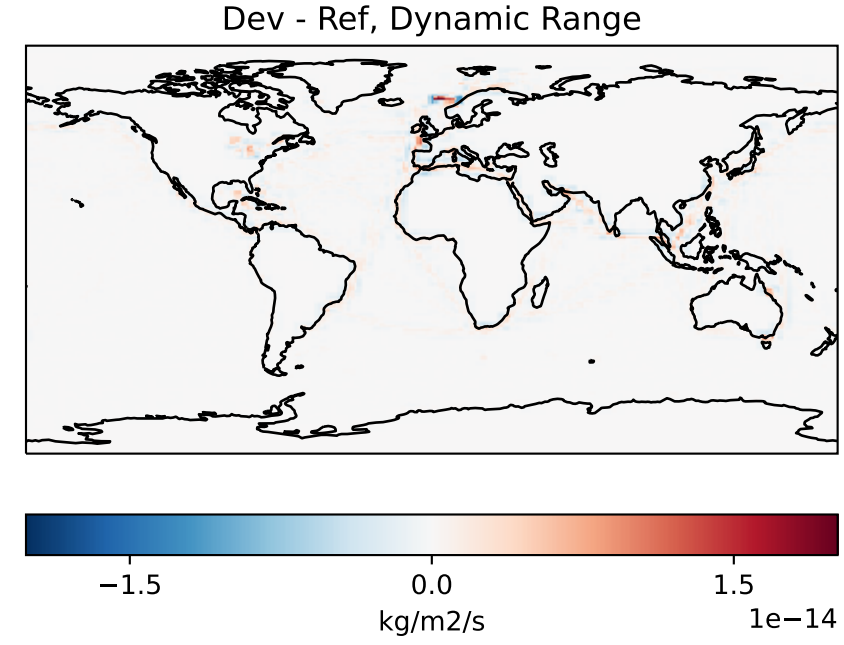
GCC_13.2.0-LuoWetdep (Ref)
4.0x5.0



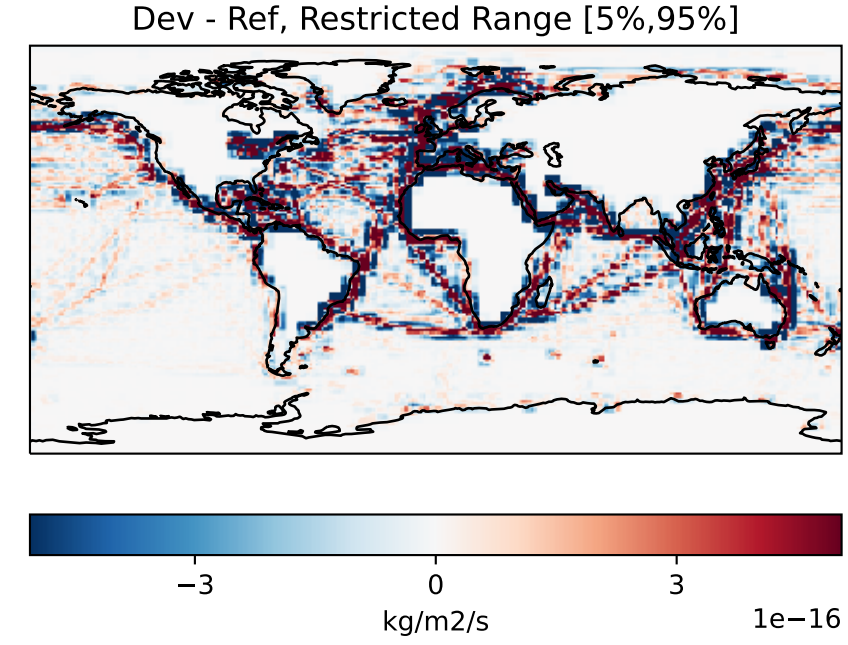

GCHP_13.2.0-LuoWetdep (Dev)
c48



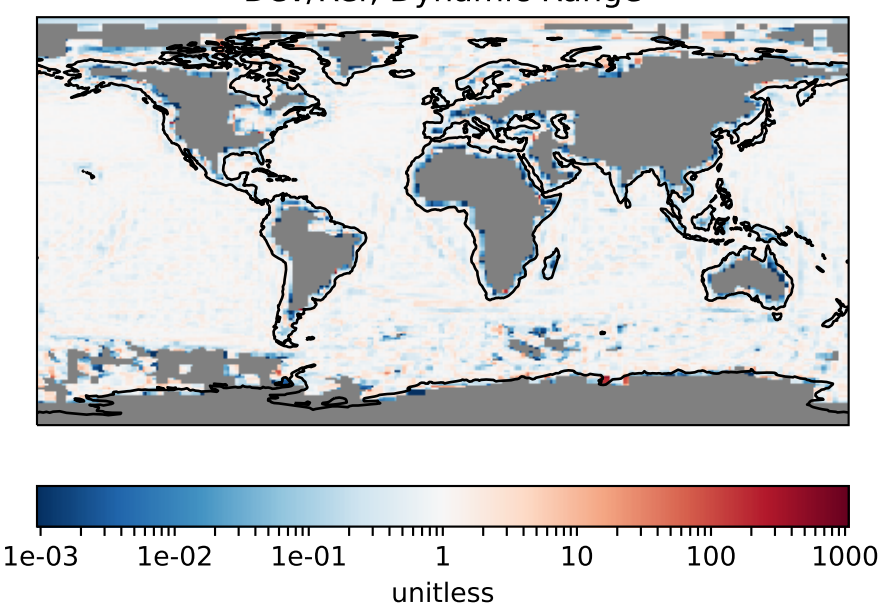

Difference (1x1.25)
Dev - Ref, Dynamic Range



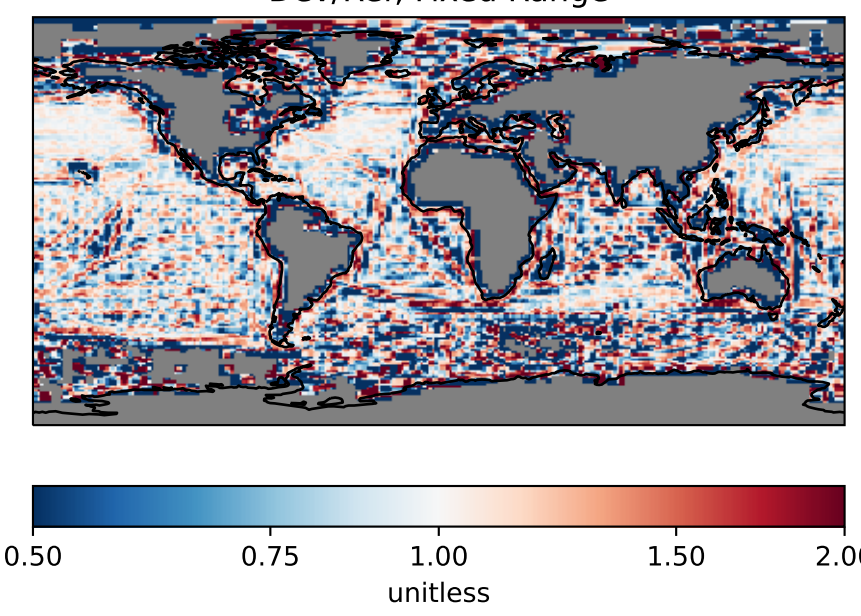

Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]




Ratio (1x1.25)
Dev/Ref, Dynamic Range

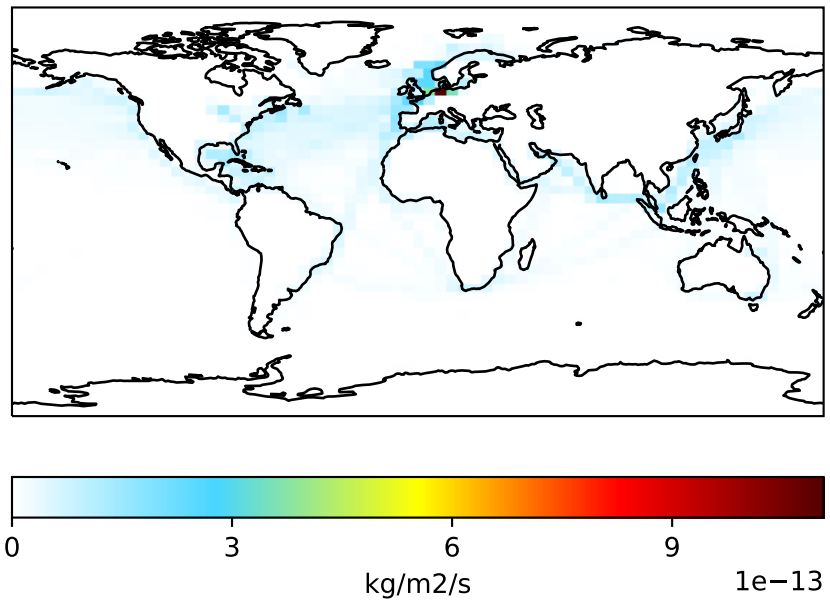



Ratio (1x1.25)
Dev/Ref, Fixed Range

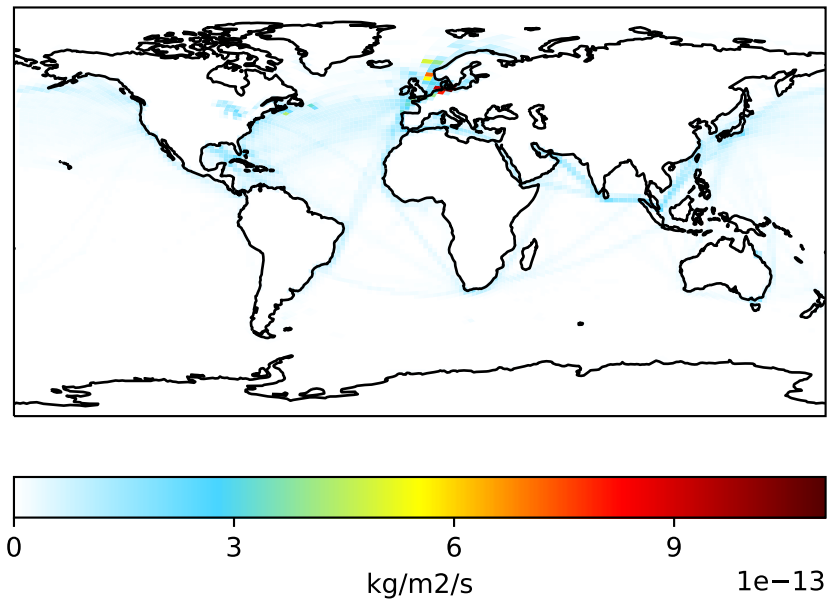


# EmisPRPE_Ship (Oct2019)

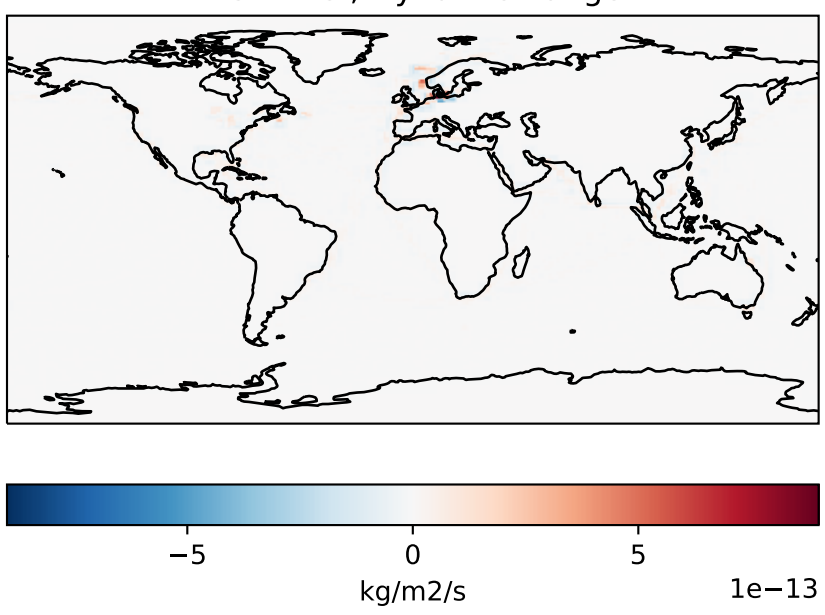
GCC_13.2.0-LuoWetdep (Ref)
4.0x5.0



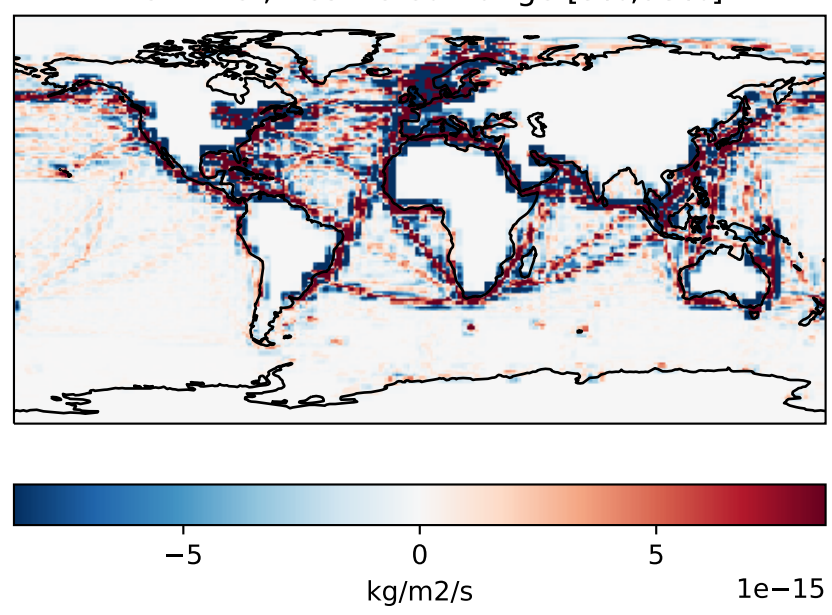

GCHP_13.2.0-LuoWetdep (Dev)
c48



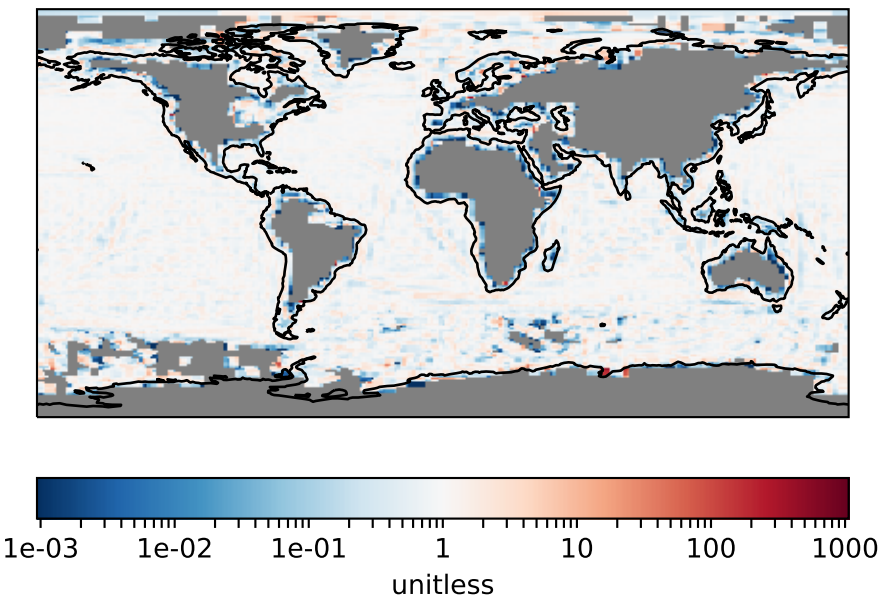

Difference (1x1.25)
Dev - Ref, Dynamic Range



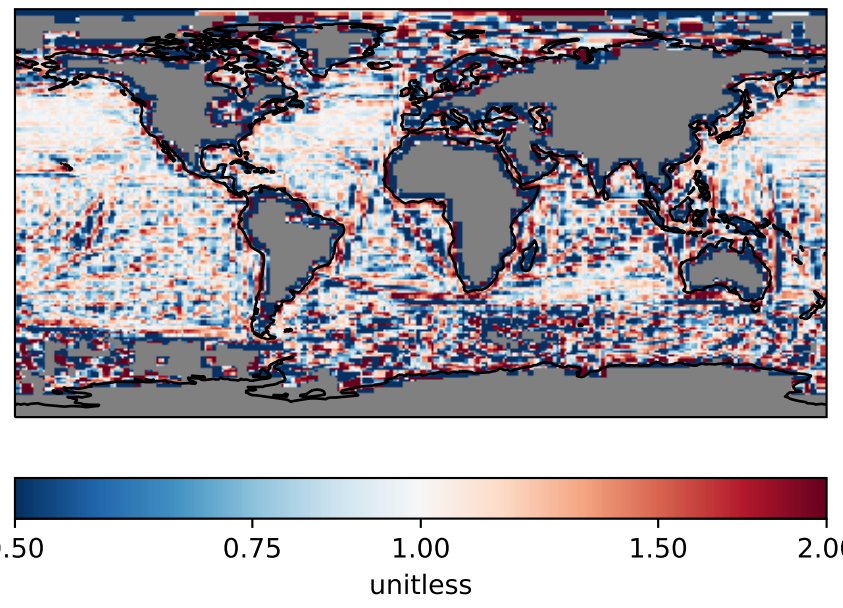

Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]




Ratio (1x1.25)
Dev/Ref, Dynamic Range

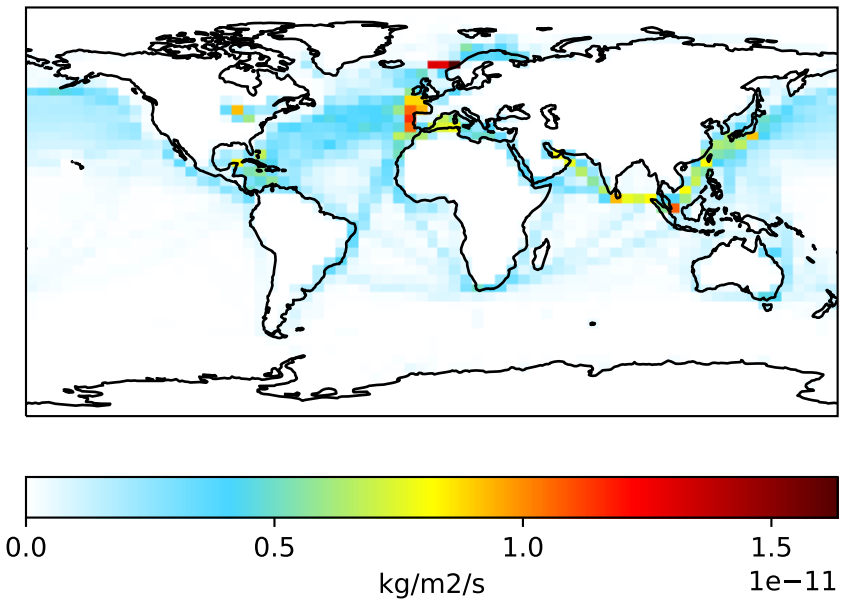



Ratio (1x1.25)
Dev/Ref, Fixed Range

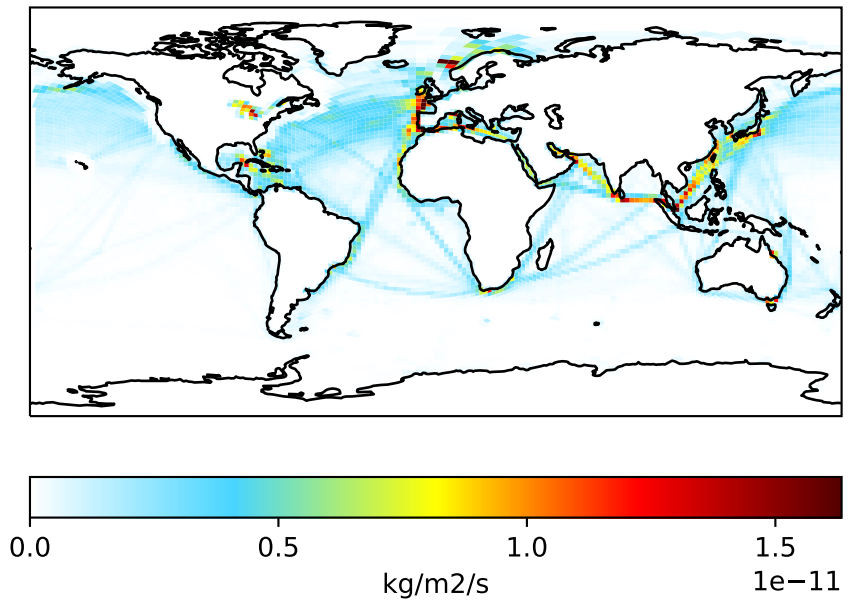


# EmisSO2_Ship (Oct2019)

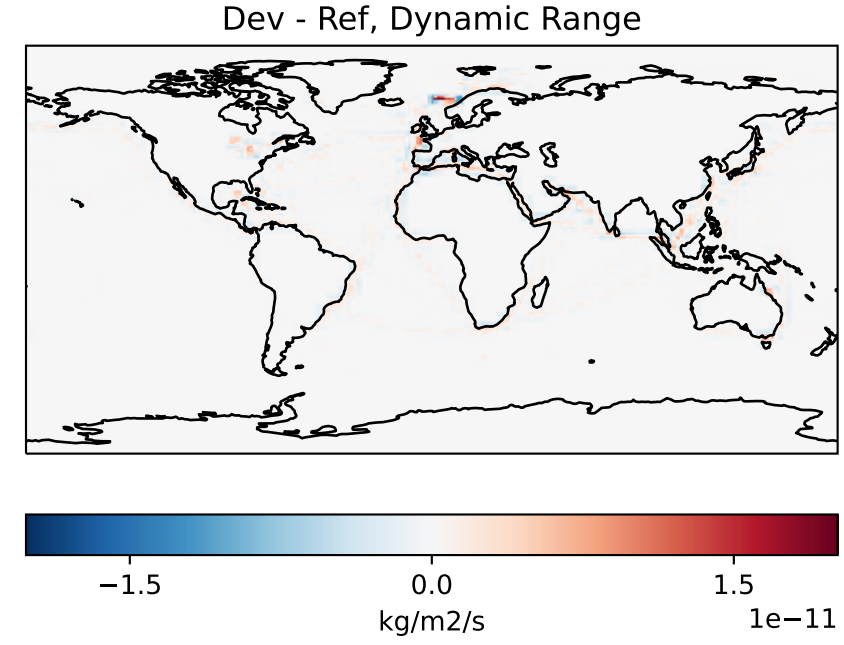
GCC_13.2.0-LuoWetdep (Ref)
4.0x5.0



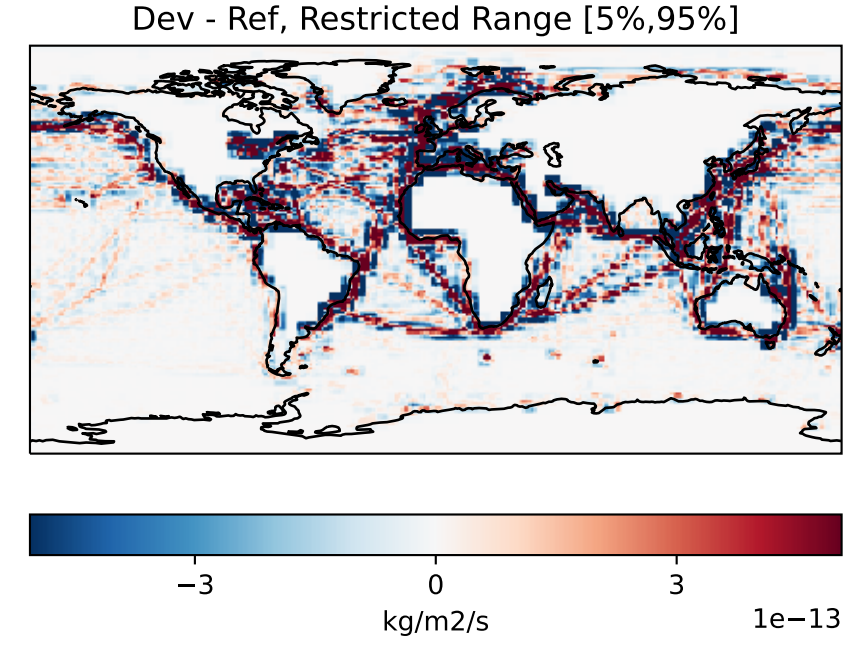

GCHP_13.2.0-LuoWetdep (Dev)
c48



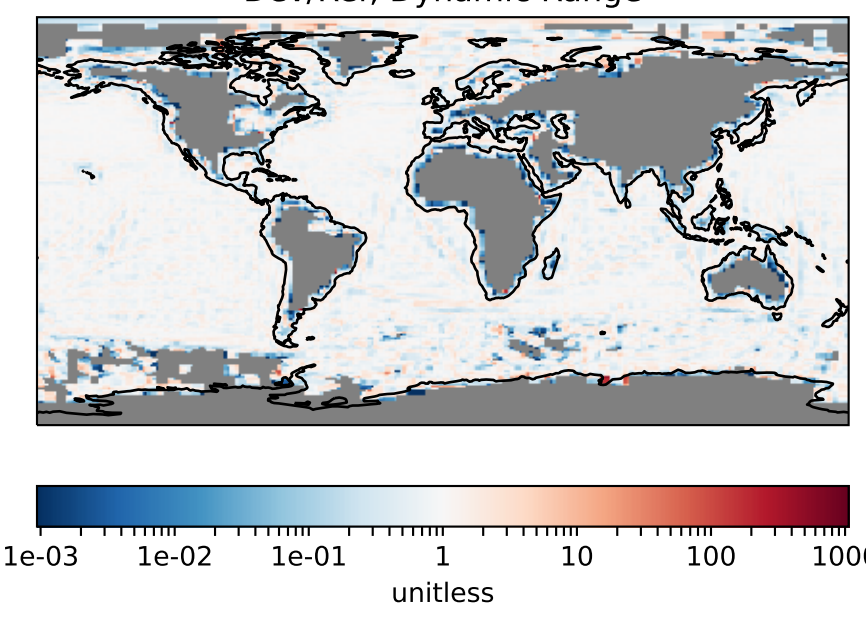

Difference (1x1.25)
Dev - Ref, Dynamic Range



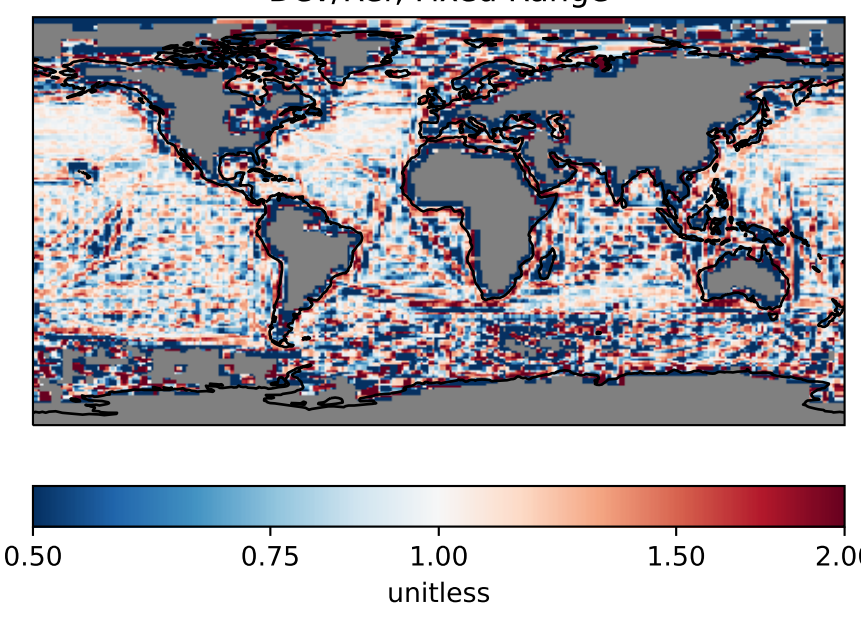

Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]




Ratio (1x1.25)
Dev/Ref, Dynamic Range

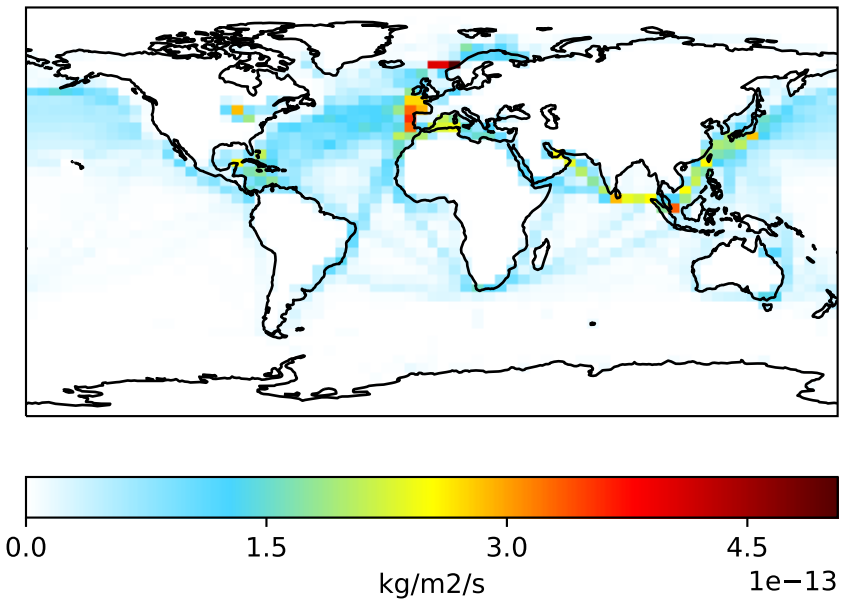



Ratio (1x1.25)
Dev/Ref, Fixed Range

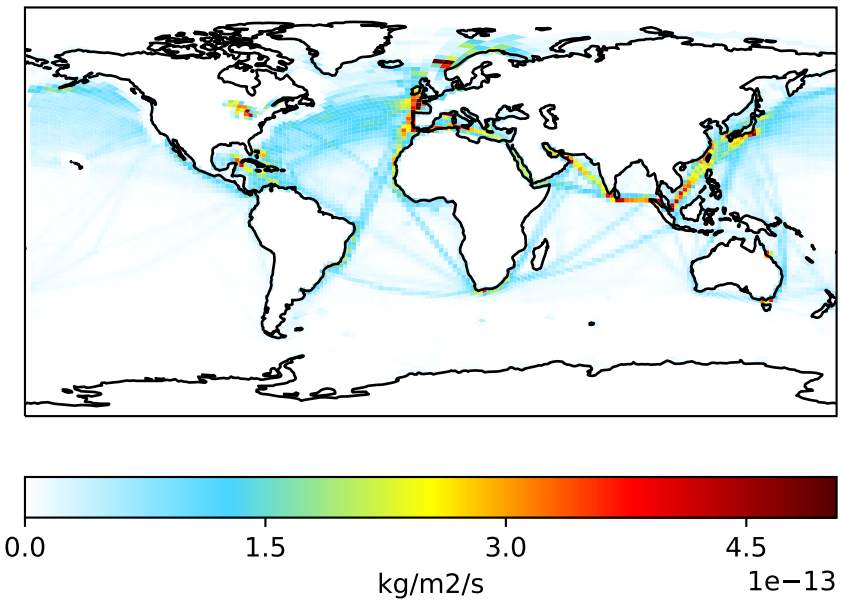


# EmisSO4_Ship (Oct2019)

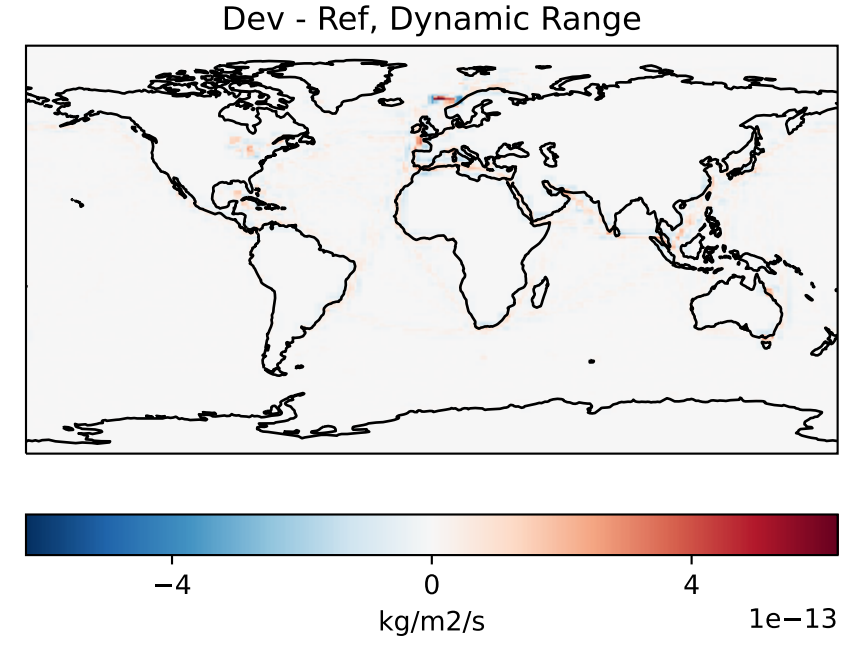
GCC_13.2.0-LuoWetdep (Ref)
4.0x5.0



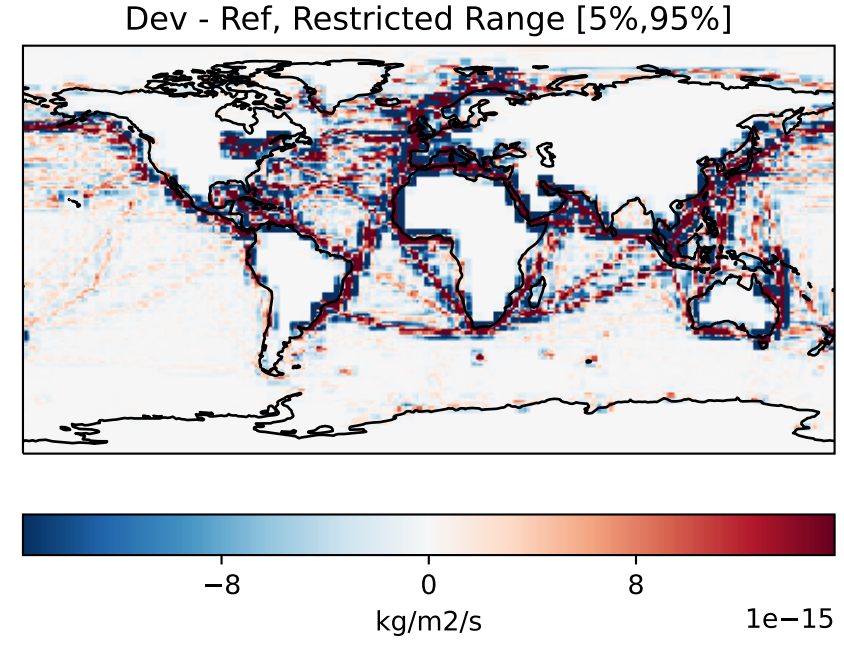

GCHP_13.2.0-LuoWetdep (Dev)
c48



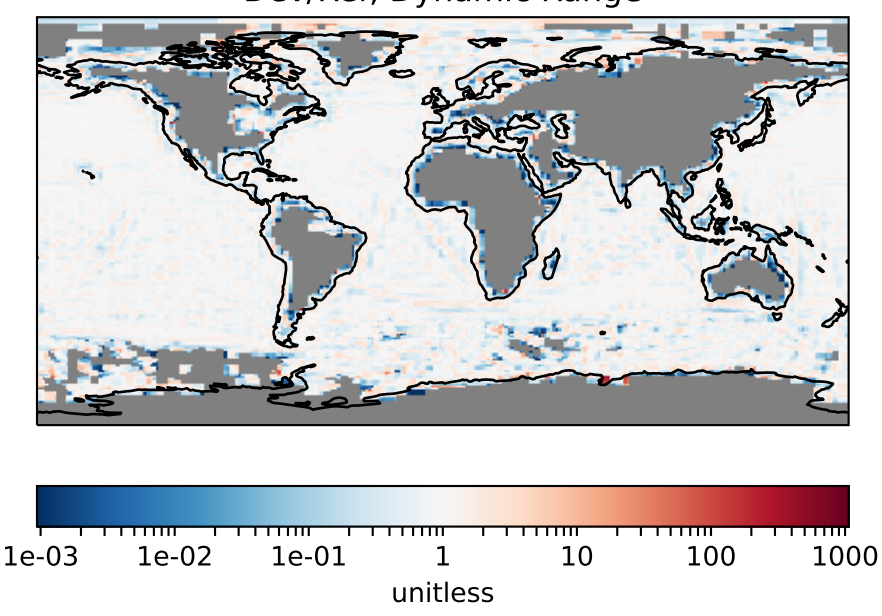

Difference (1x1.25)
Dev - Ref, Dynamic Range



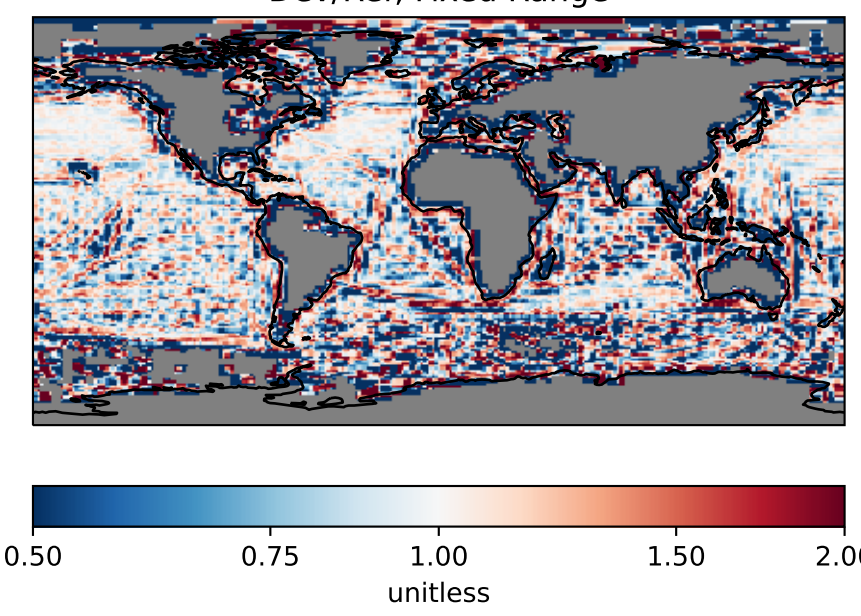

Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]




Ratio (1x1.25)
Dev/Ref, Dynamic Range

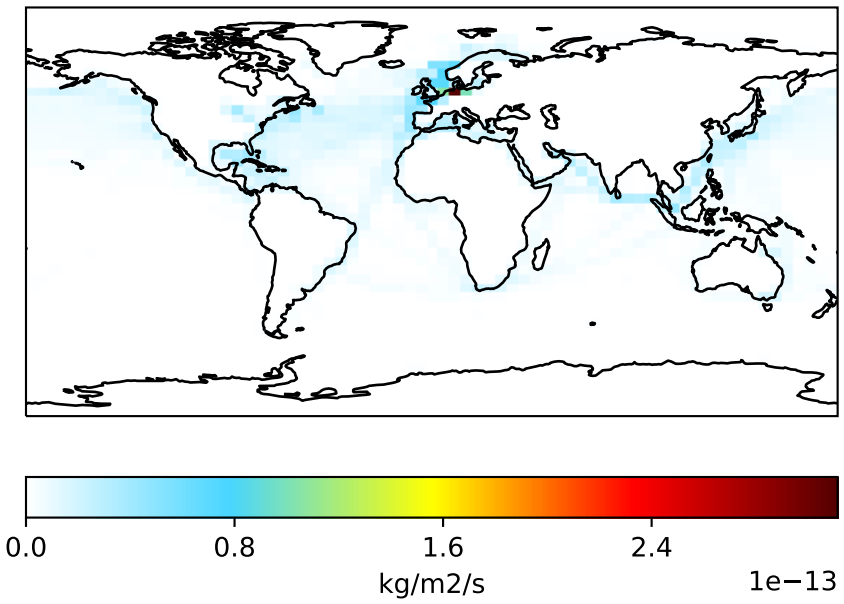



Ratio (1x1.25)
Dev/Ref, Fixed Range

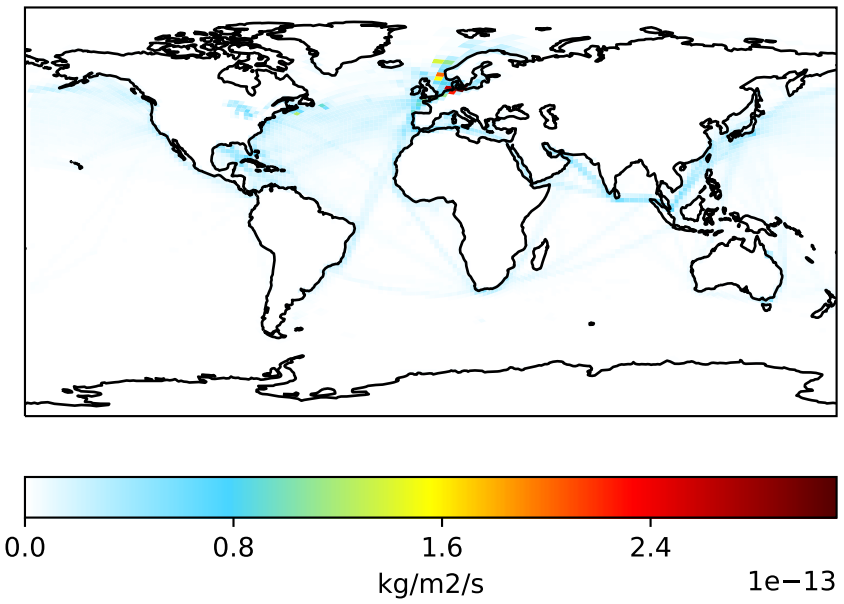


# EmisSOAP_Ship (Oct2019)

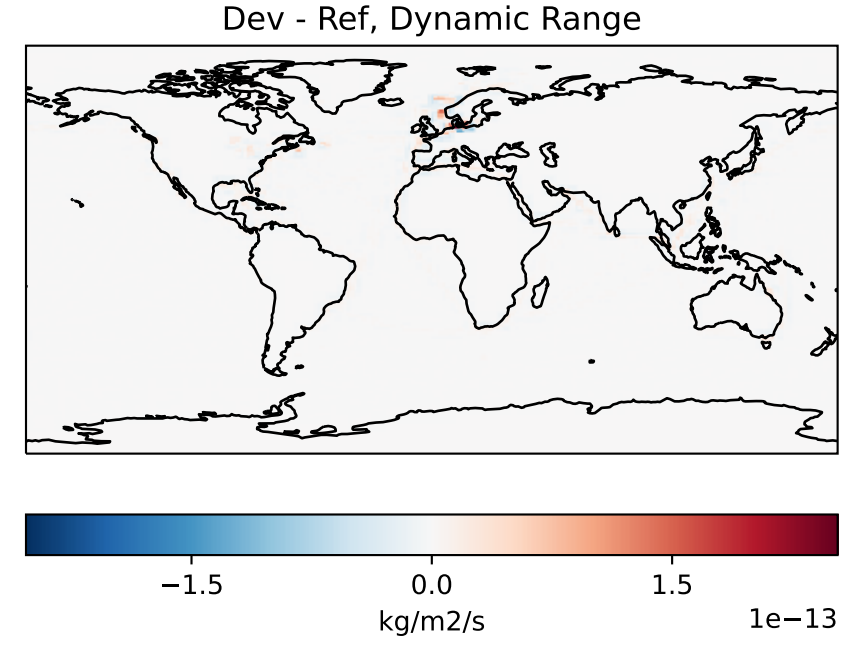
GCC_13.2.0-LuoWetdep (Ref)
4.0x5.0



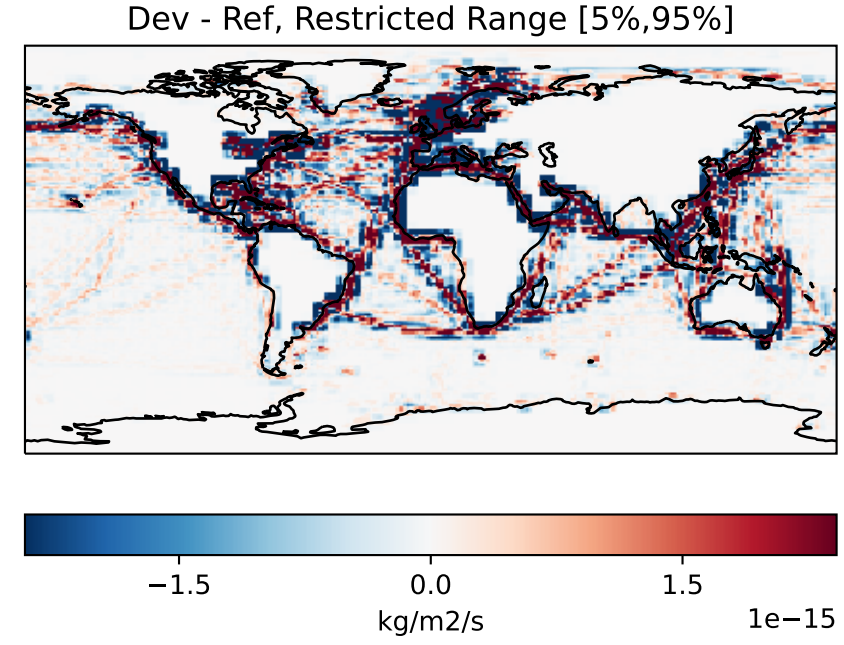

GCHP_13.2.0-LuoWetdep (Dev)
c48



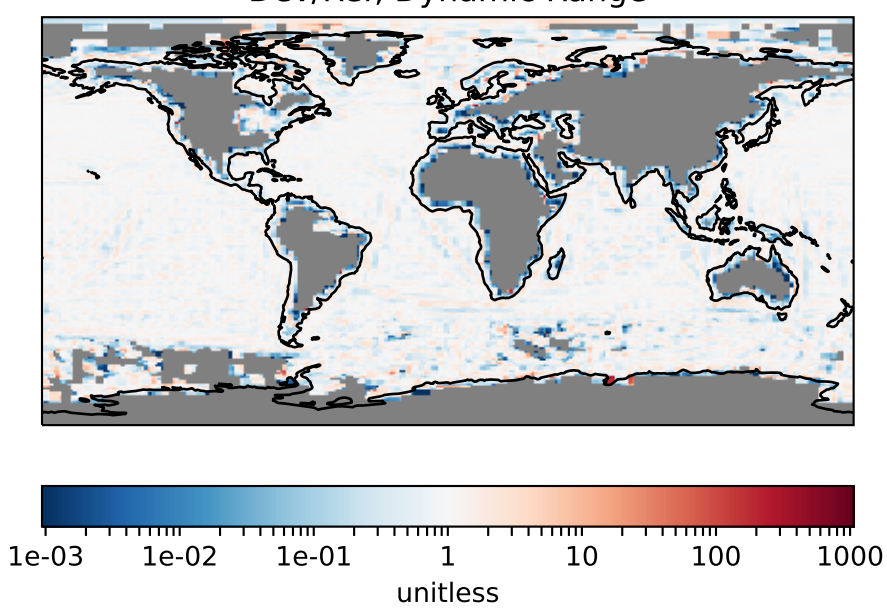

Difference (1x1.25)
Dev - Ref, Dynamic Range



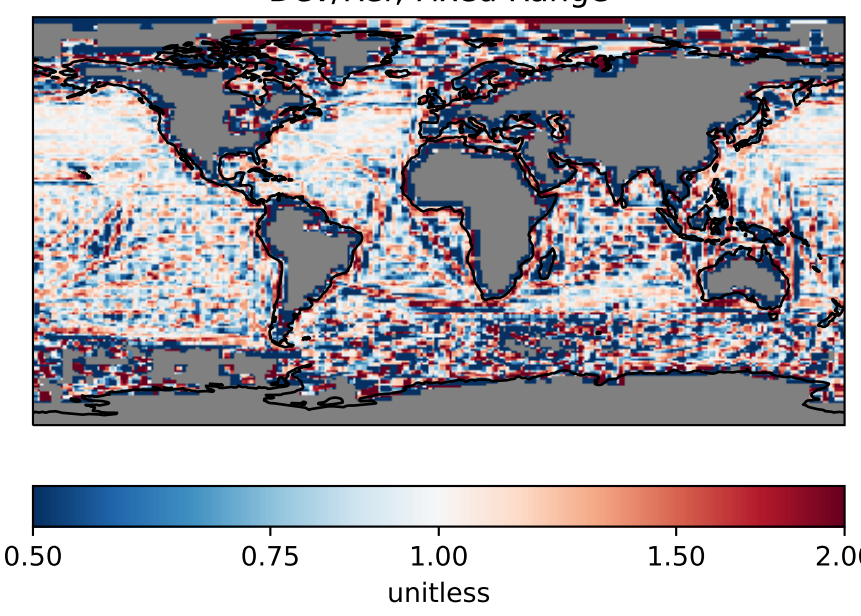

Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]




Ratio (1x1.25)
Dev/Ref, Dynamic Range

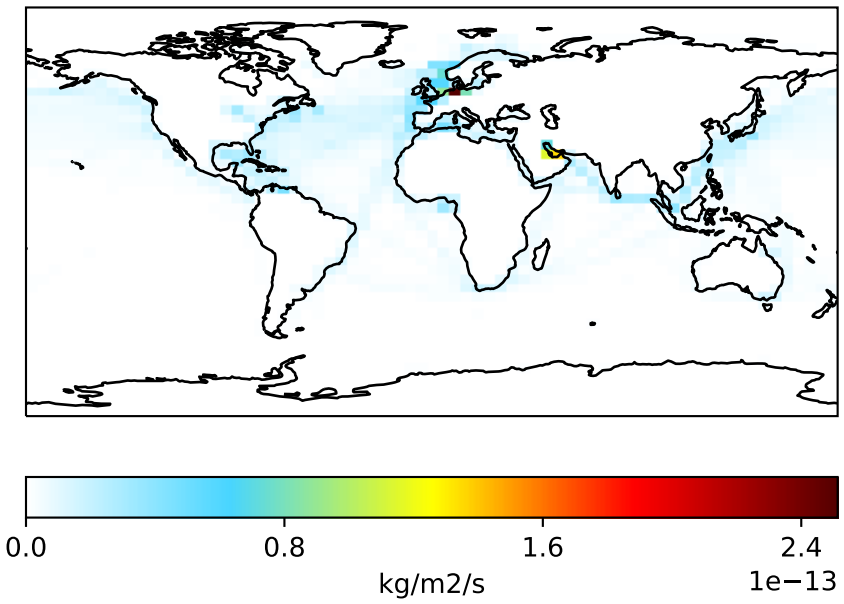



Ratio (1x1.25)
Dev/Ref, Fixed Range

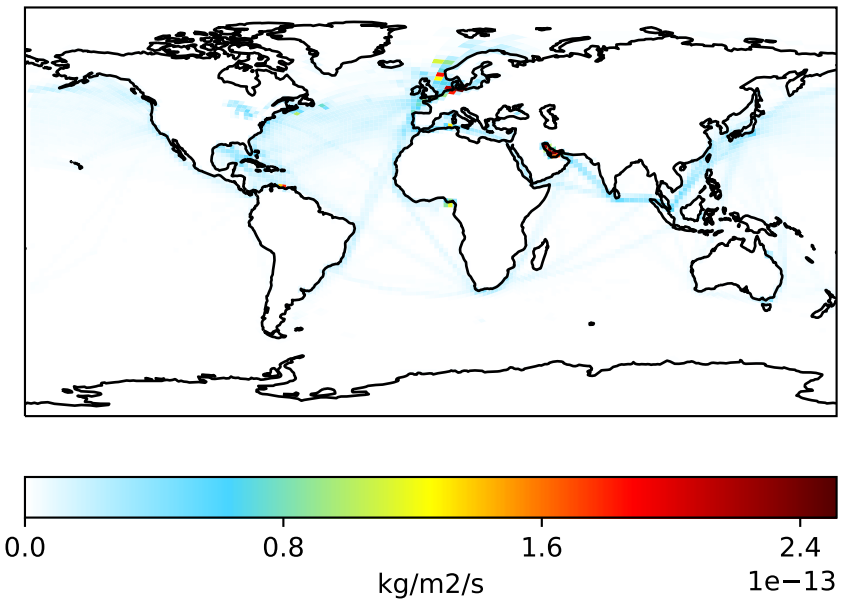


# EmisTOLU_Ship (Oct2019)

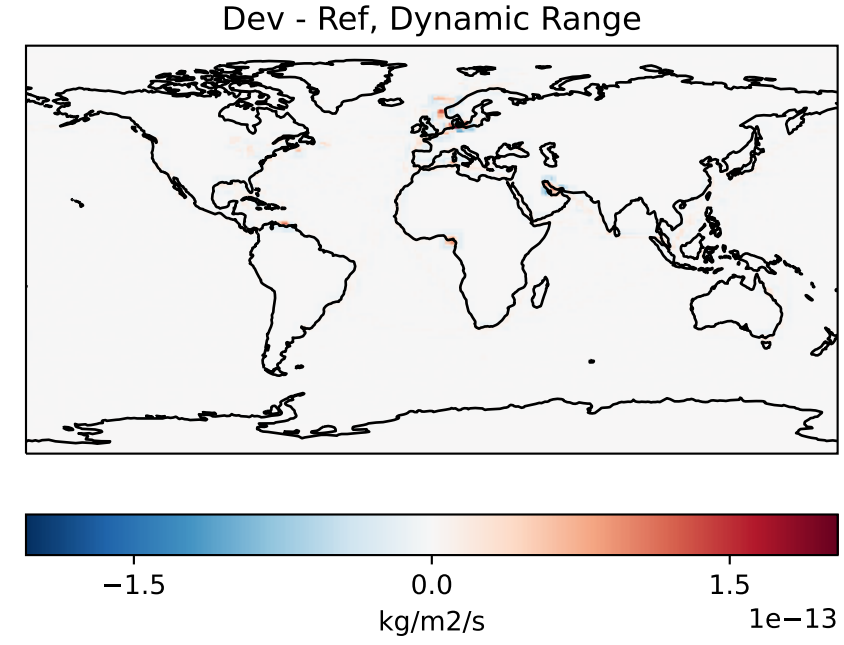
GCC_13.2.0-LuoWetdep (Ref)
4.0x5.0



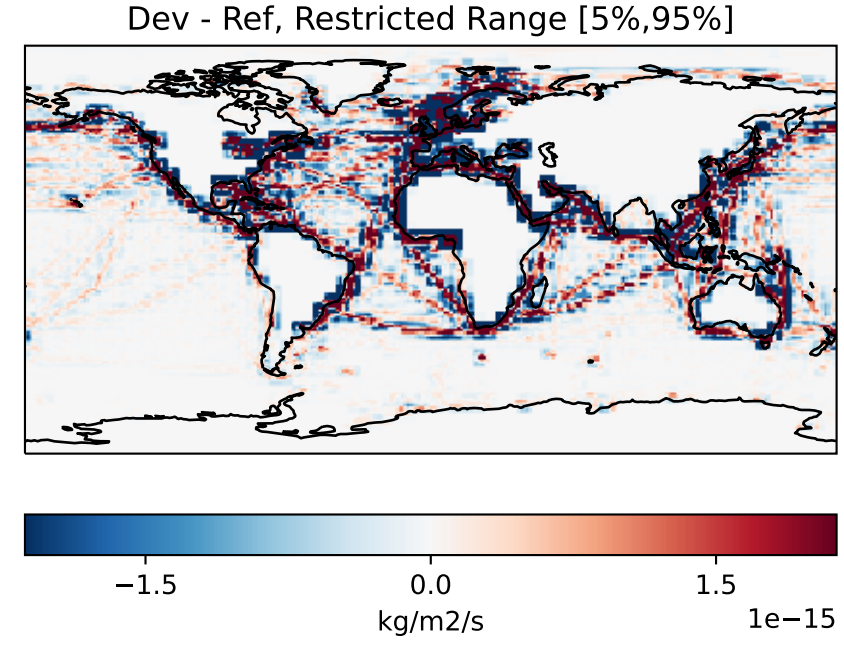

GCHP_13.2.0-LuoWetdep (Dev)
c48



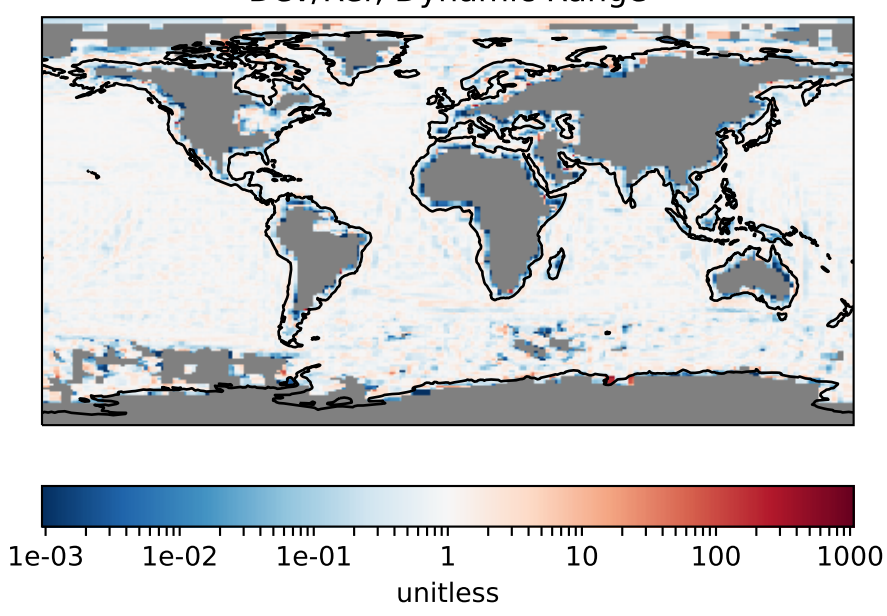

Difference (1x1.25)
Dev - Ref, Dynamic Range



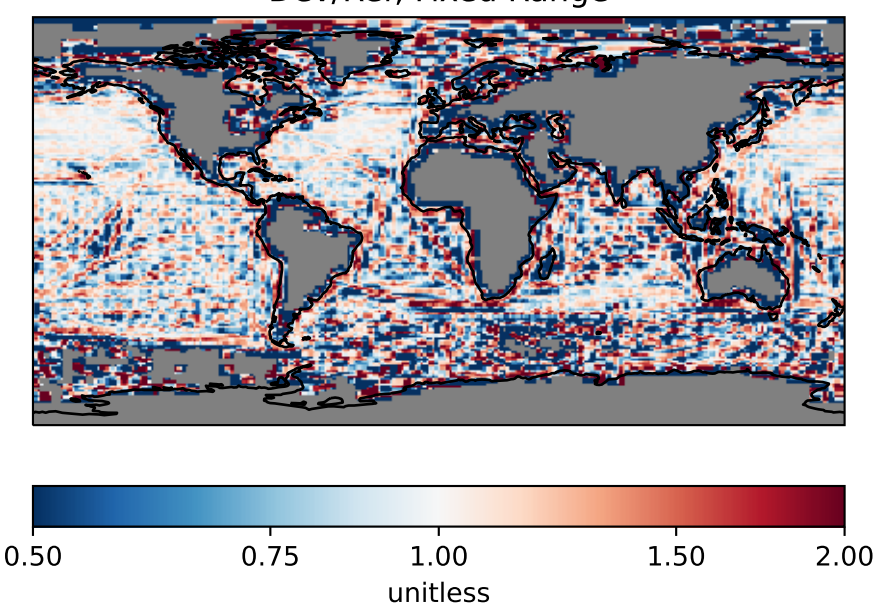

Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]




Ratio (1x1.25)
Dev/Ref, Dynamic Range

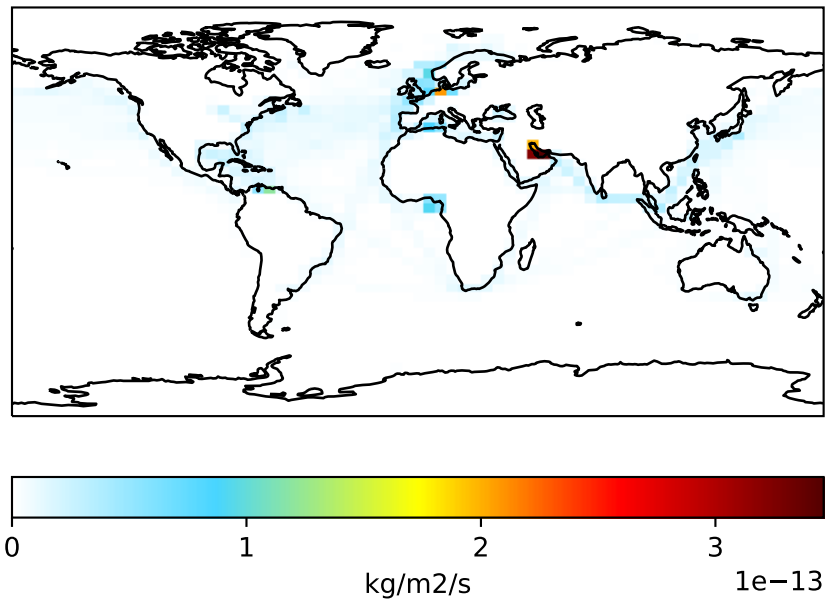



Ratio (1x1.25)
Dev/Ref, Fixed Range

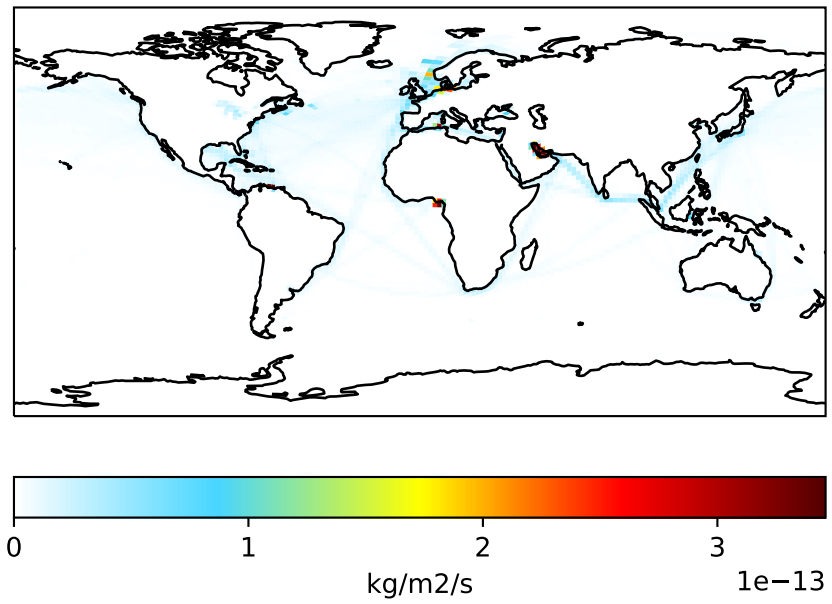


# EmisXYLE_Ship (Oct2019)

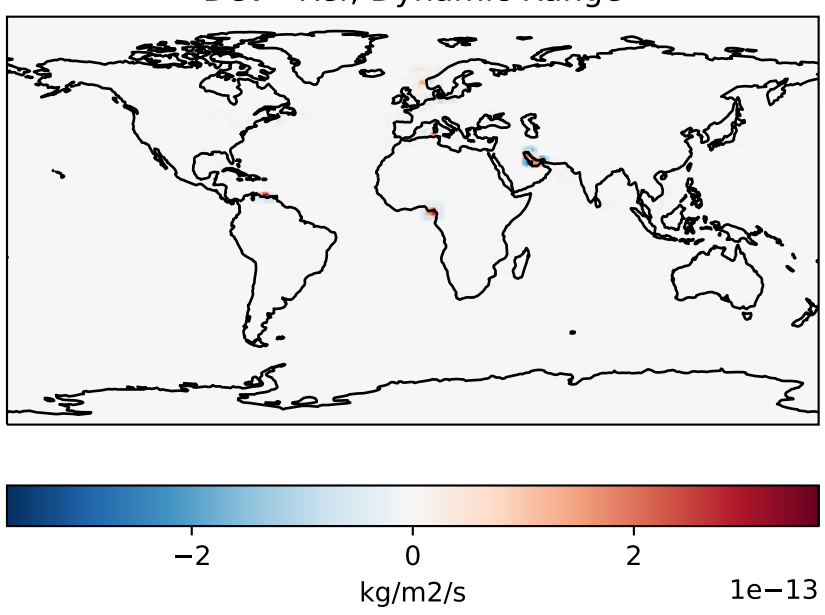
GCC_13.2.0-LuoWetdep (Ref)
4.0x5.0



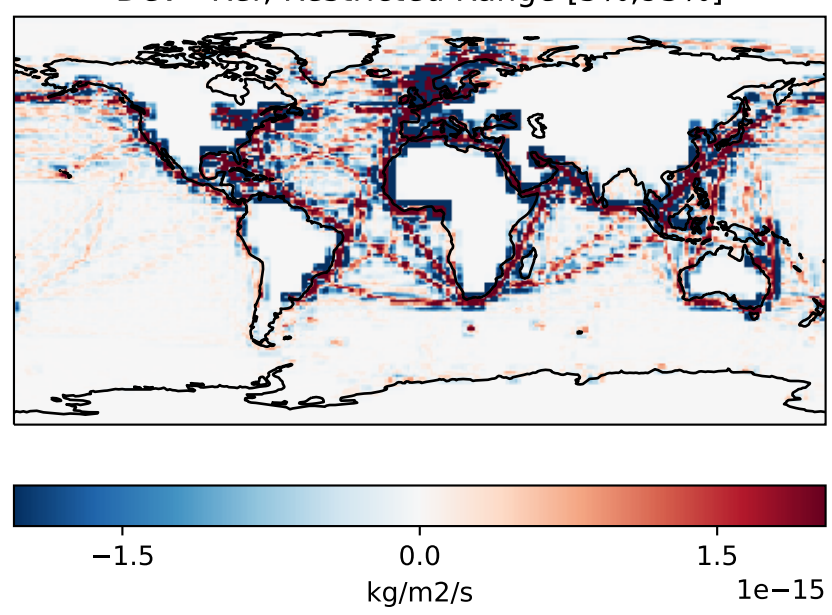

GCHP_13.2.0-LuoWetdep (Dev)
c48



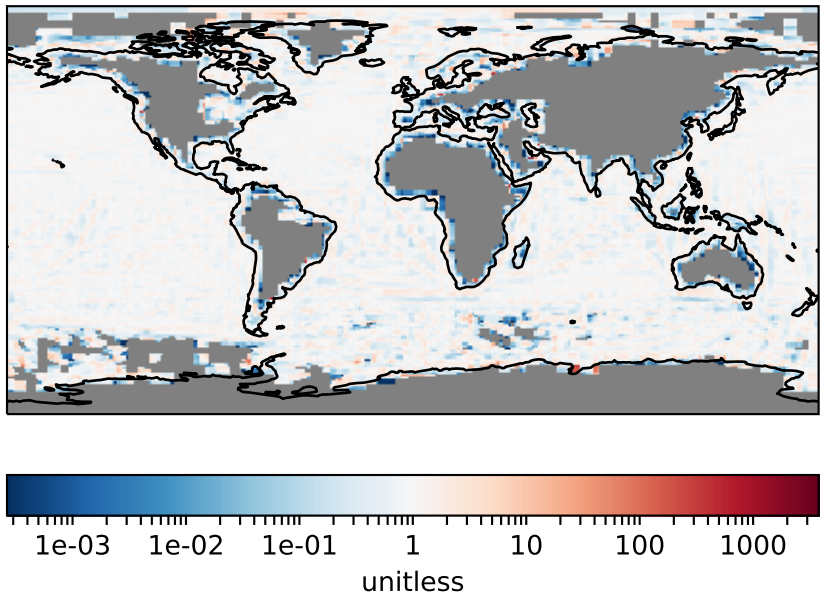

Difference (1x1.25)
Dev - Ref, Dynamic Range




Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]




Ratio (1x1.25)
Dev/Ref, Dynamic Range




Ratio (1x1.25)
Dev/Ref, Fixed Range

