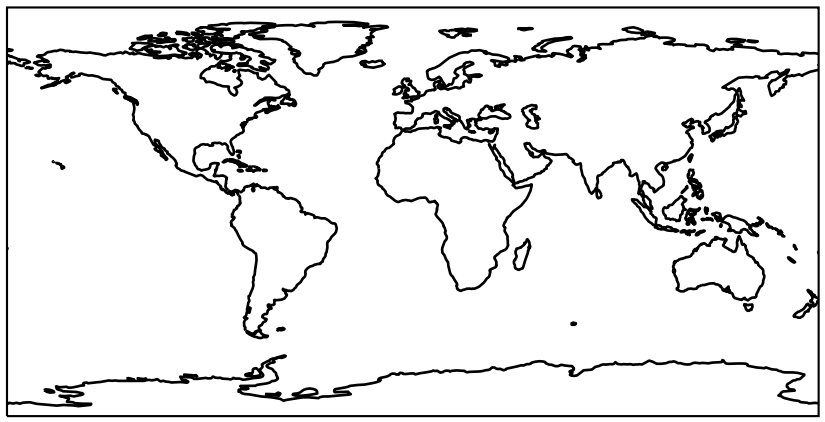
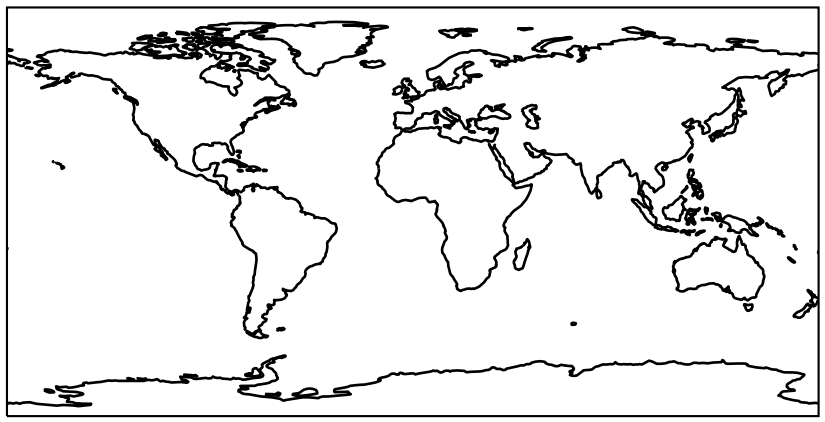
EmisALD2_Ship (Apr2019)

GCC_13.4.0-rc.4 (Ref)
4.0x5.0



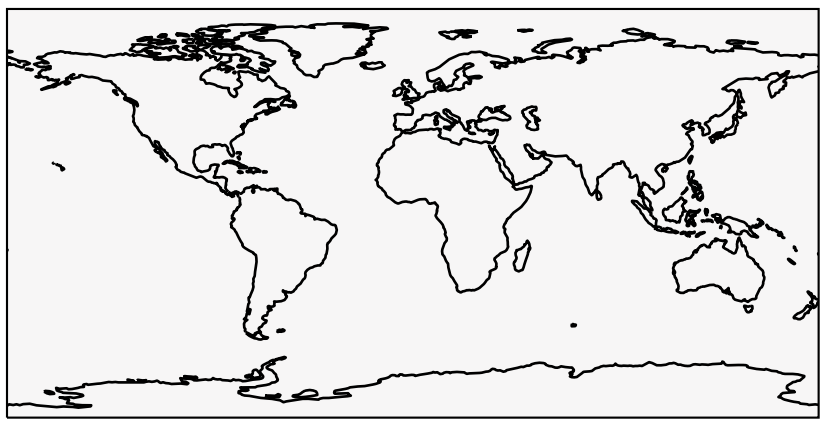
Zero throughout domain
kg/m2/s

GCC_14.0.0-rc.3 (Dev)
4.0x5.0



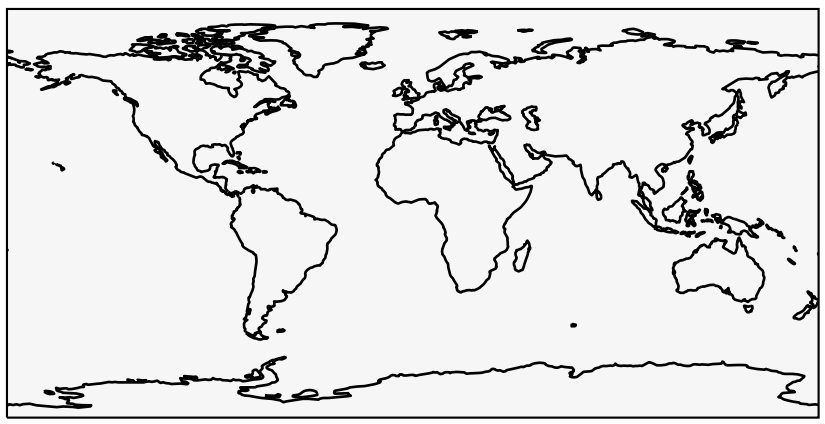
Zero throughout domain
kg/m2/s

Difference
Dev - Ref, Dynamic Range



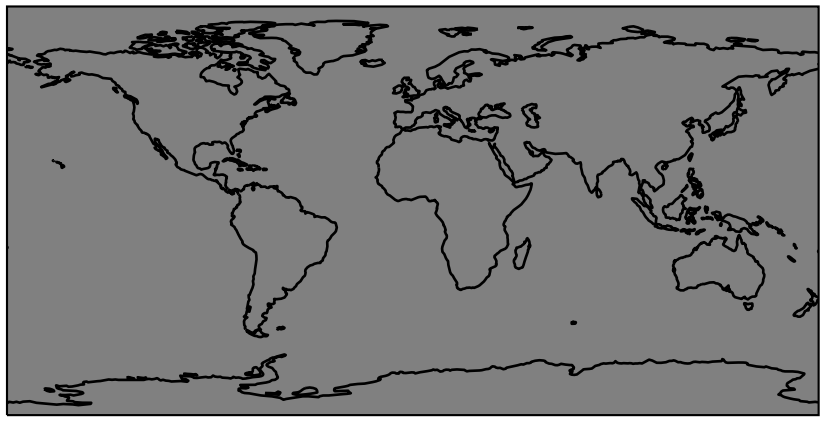
Zero throughout domain
kg/m2/s

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



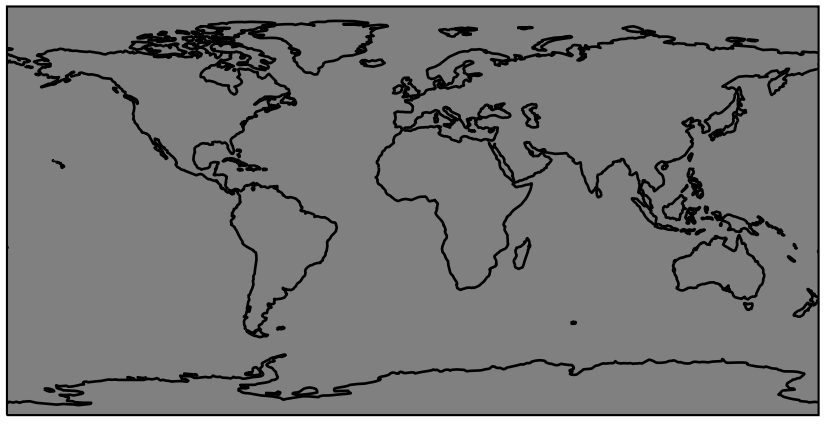
Zero throughout domain
kg/m2/s

Ratio
Dev/Ref, Dynamic Range



Undefined throughout domain
unitless

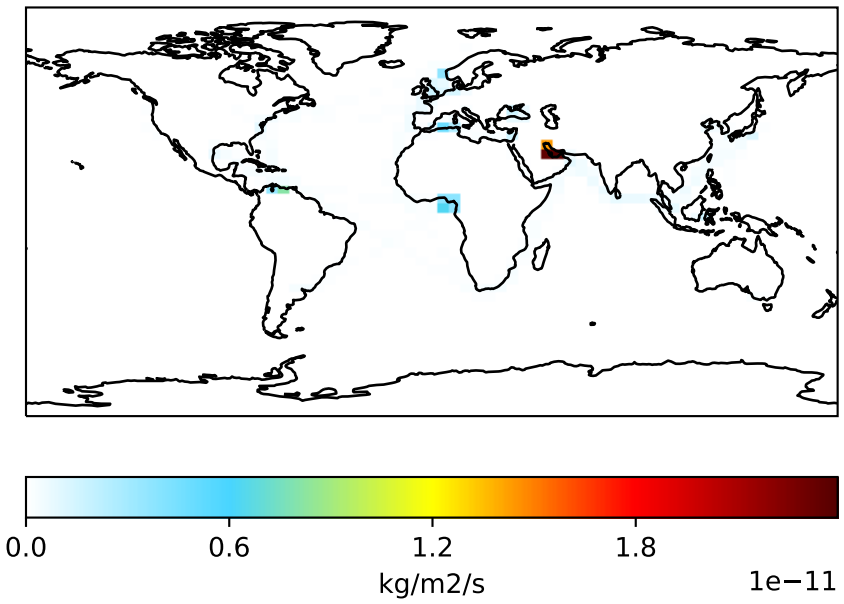
Ratio
Dev/Ref, Fixed Range



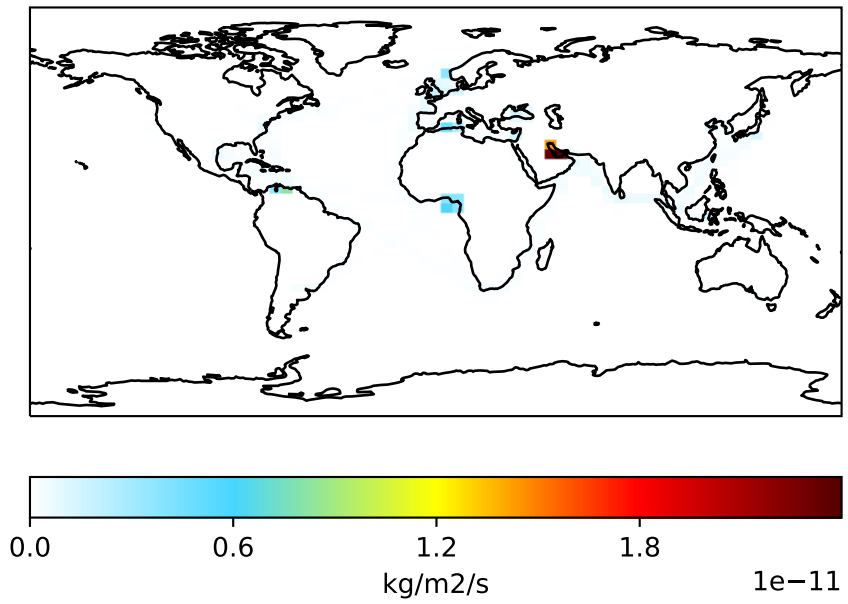
Undefined throughout domain
unitless

EmisALK4_Ship (Apr2019)

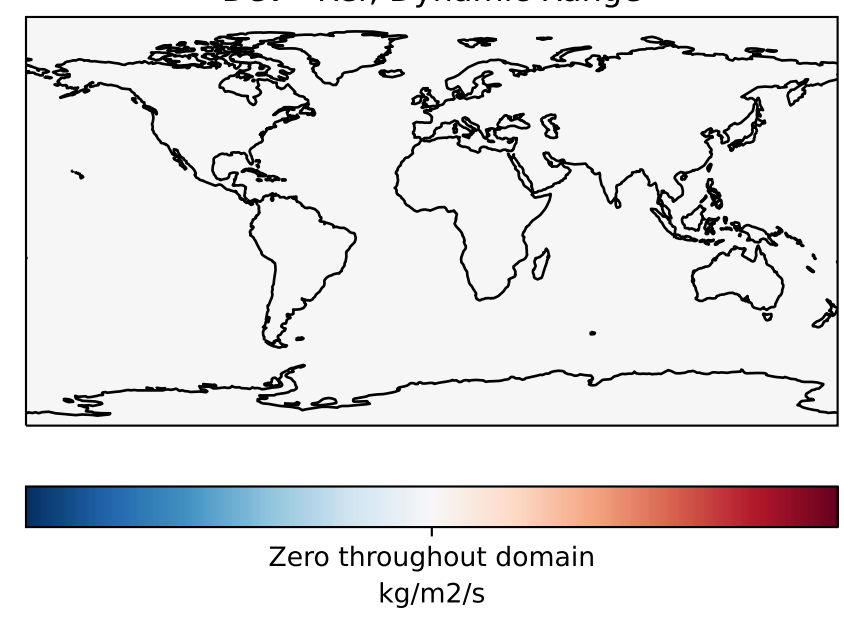
GCC_13.4.0-rc.4 (Ref)
4.0x5.0



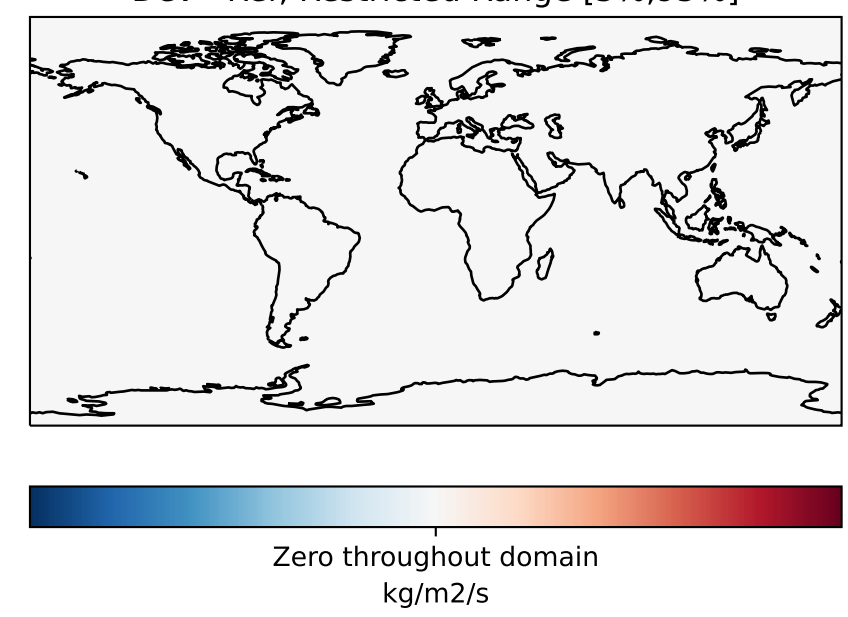
GCC_14.0.0-rc.3 (Dev)
4.0x5.0



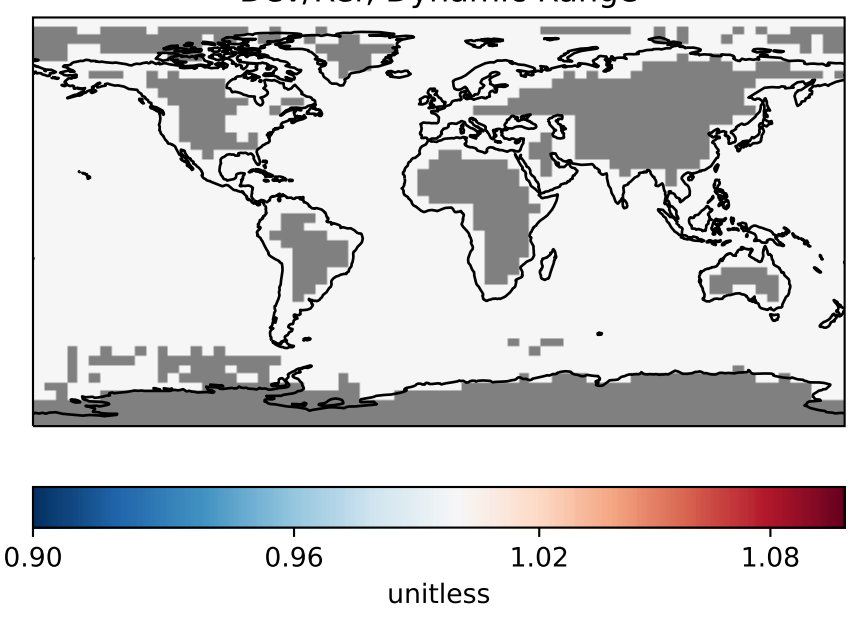
Difference
Dev - Ref, Dynamic Range



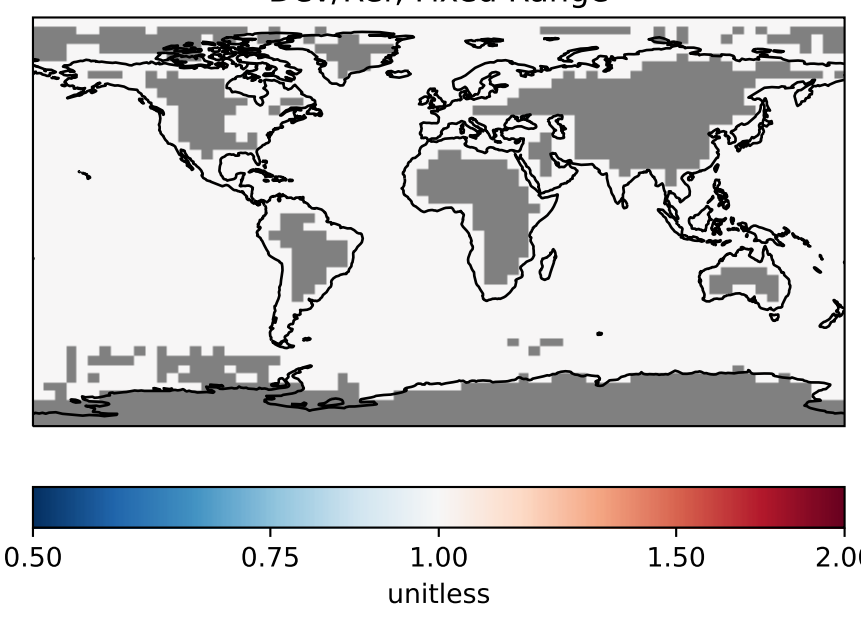
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

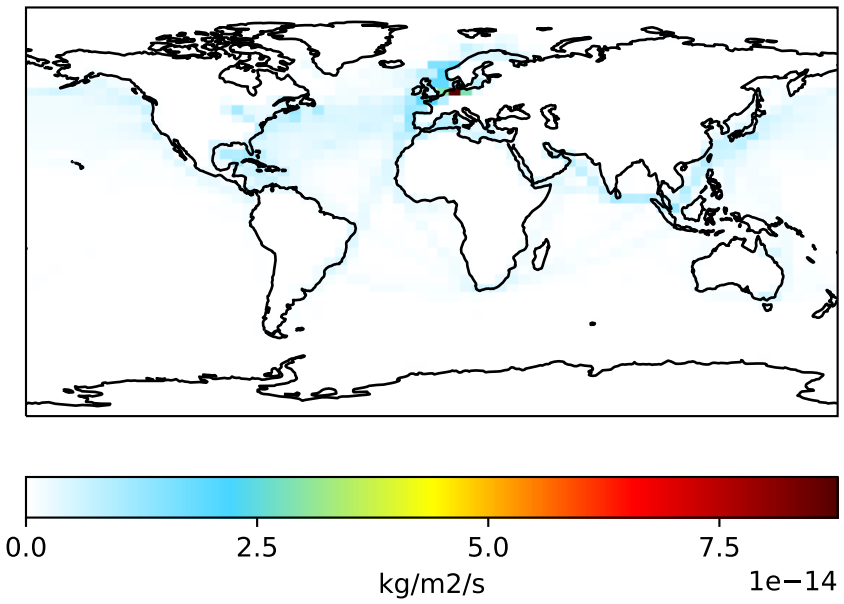


Ratio
Dev/Ref, Fixed Range

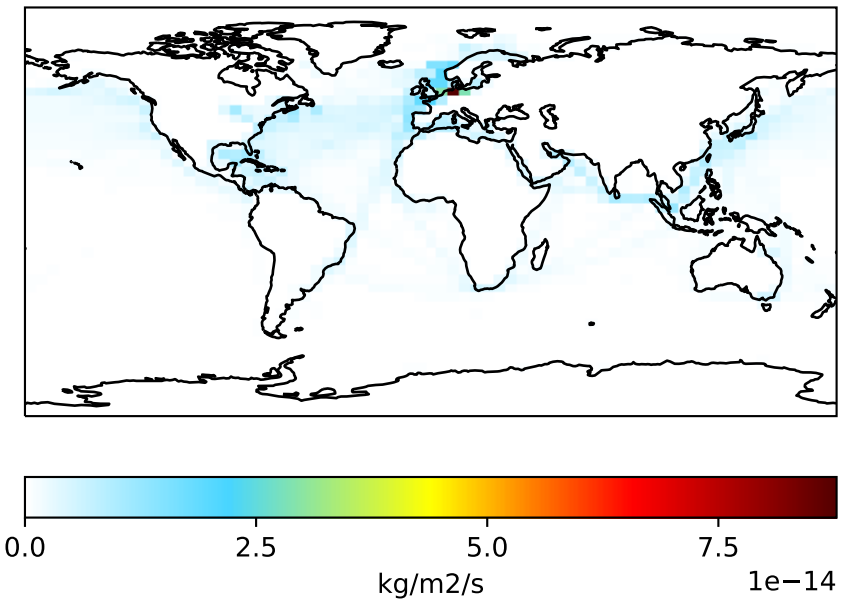


EmisBCPI_Ship (Apr2019)

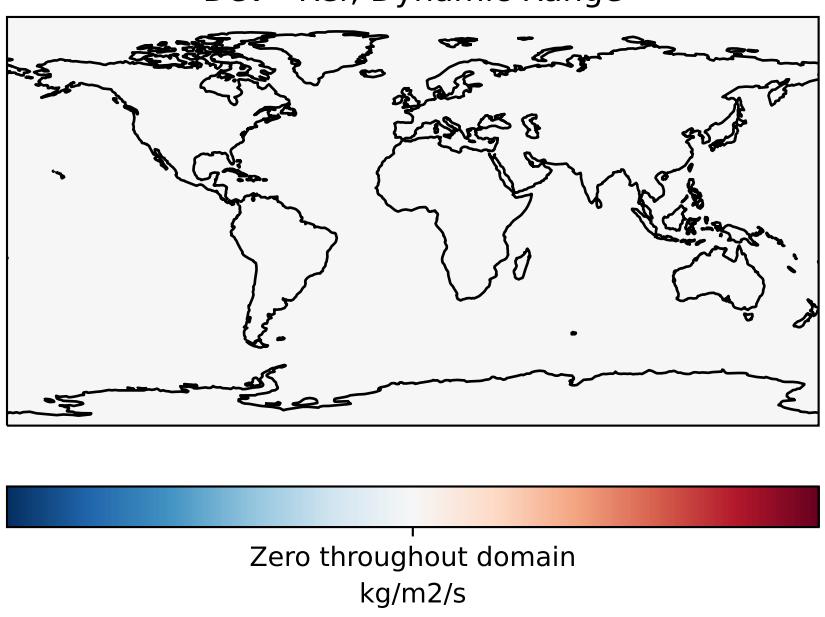
GCC_13.4.0-rc.4 (Ref)
4.0x5.0



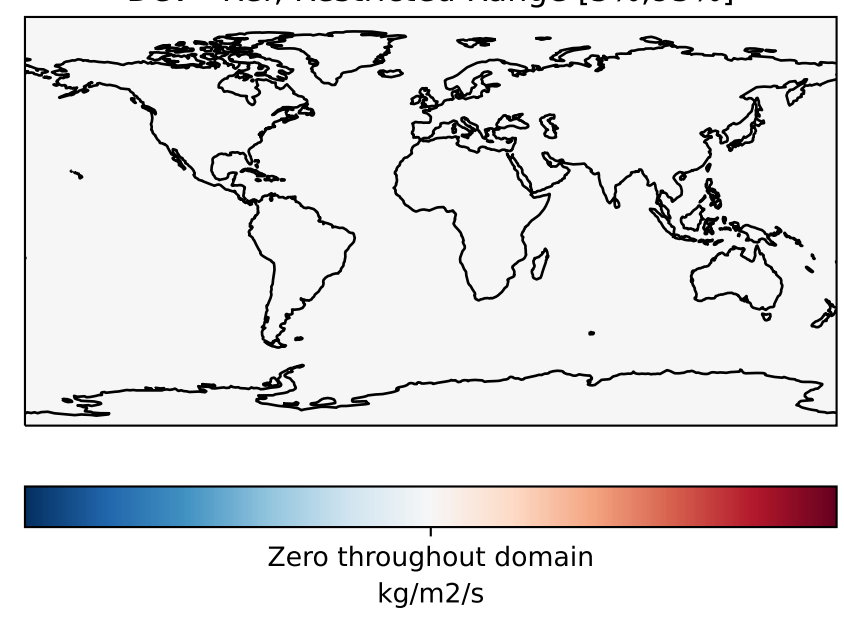
GCC_14.0.0-rc.3 (Dev)
4.0x5.0



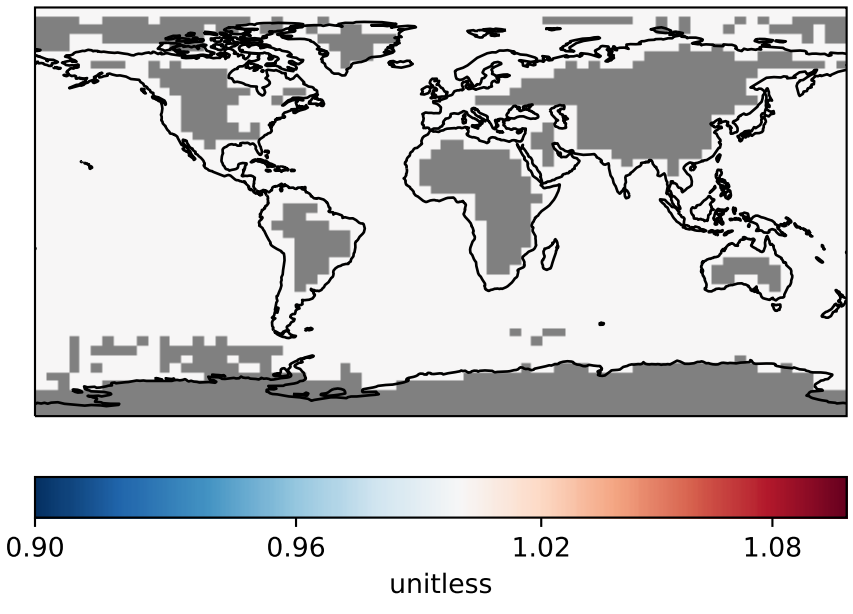
Difference
Dev - Ref, Dynamic Range



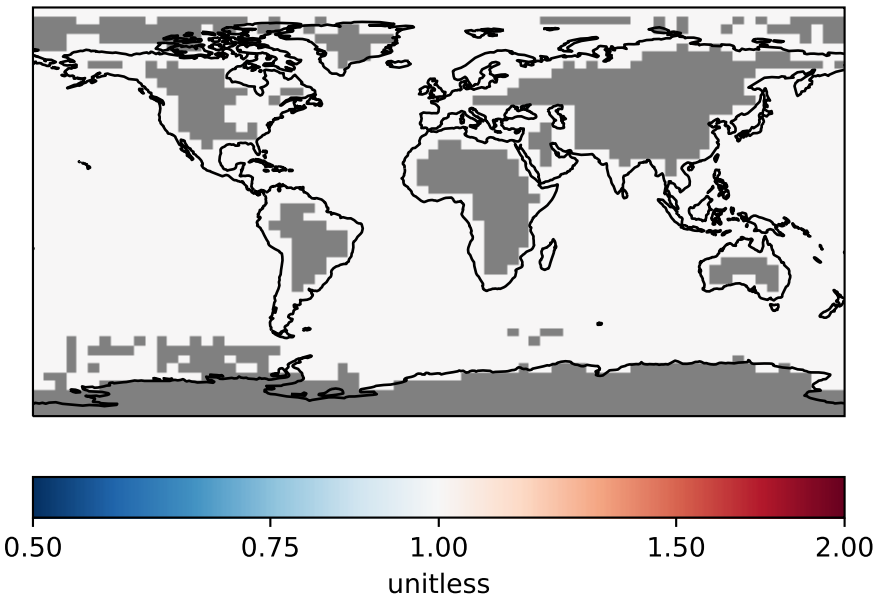
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

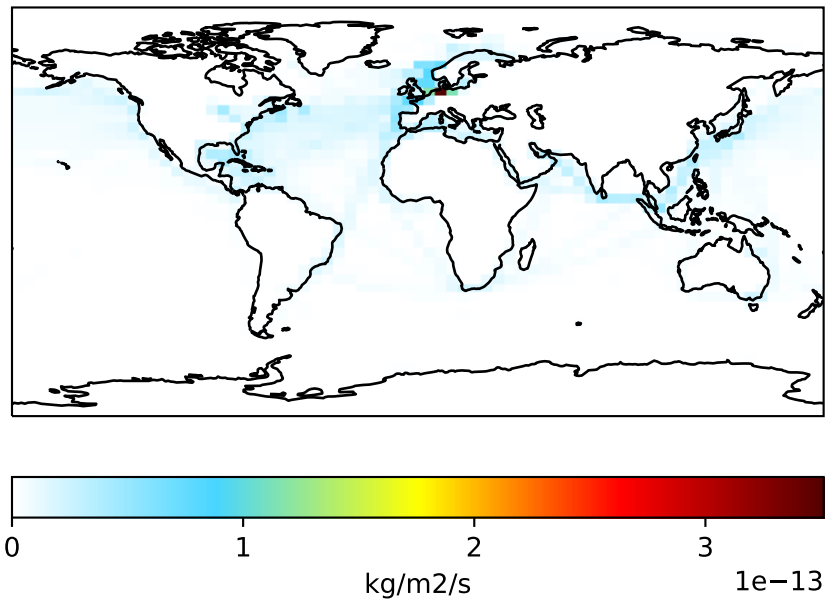


Ratio
Dev/Ref, Fixed Range

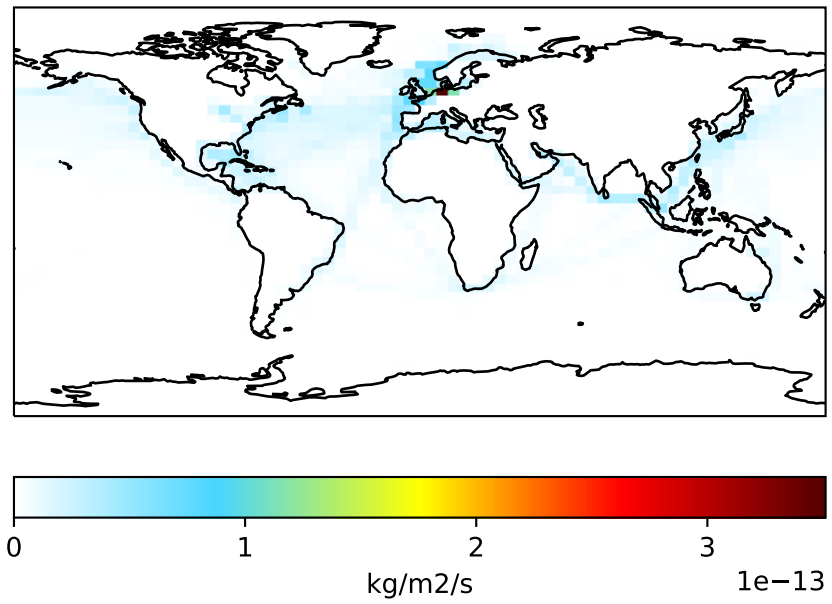


EmisBCPO_Ship (Apr2019)

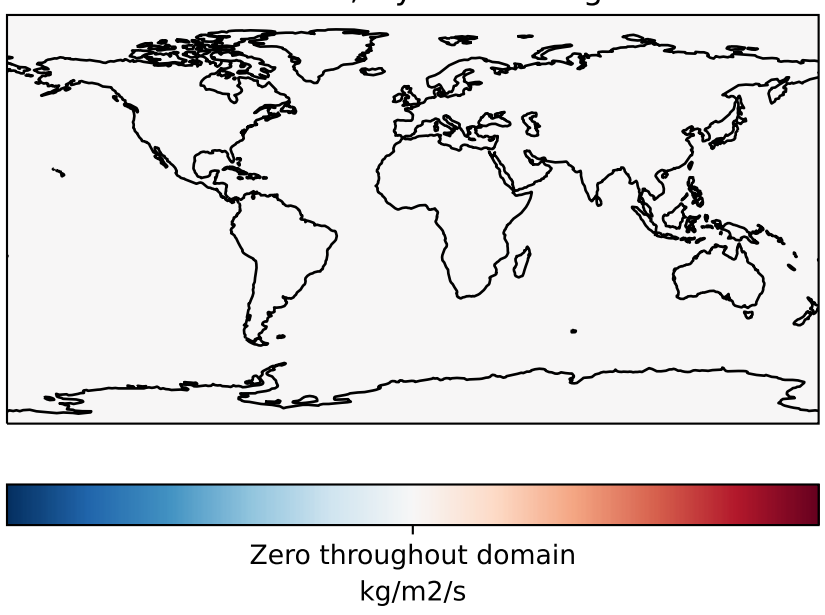
GCC_13.4.0-rc.4 (Ref)
4.0x5.0



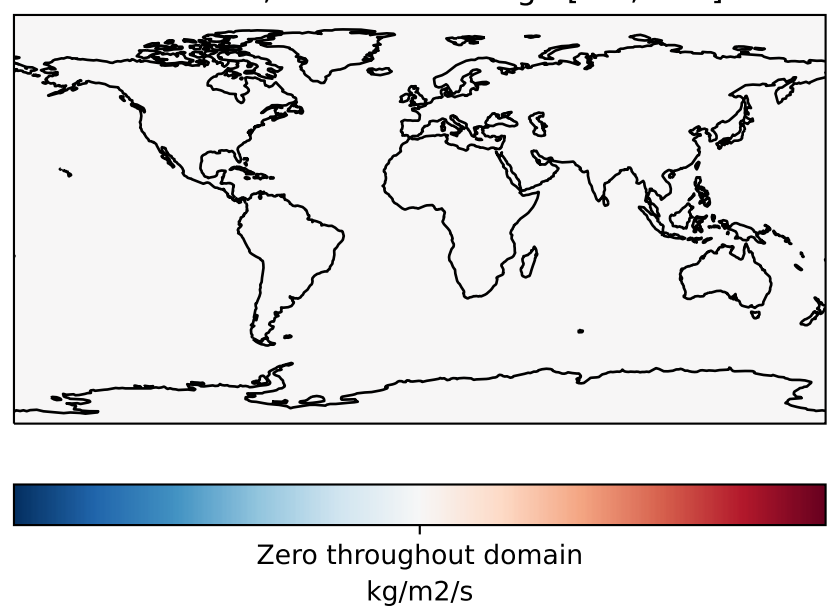
GCC_14.0.0-rc.3 (Dev)
4.0x5.0



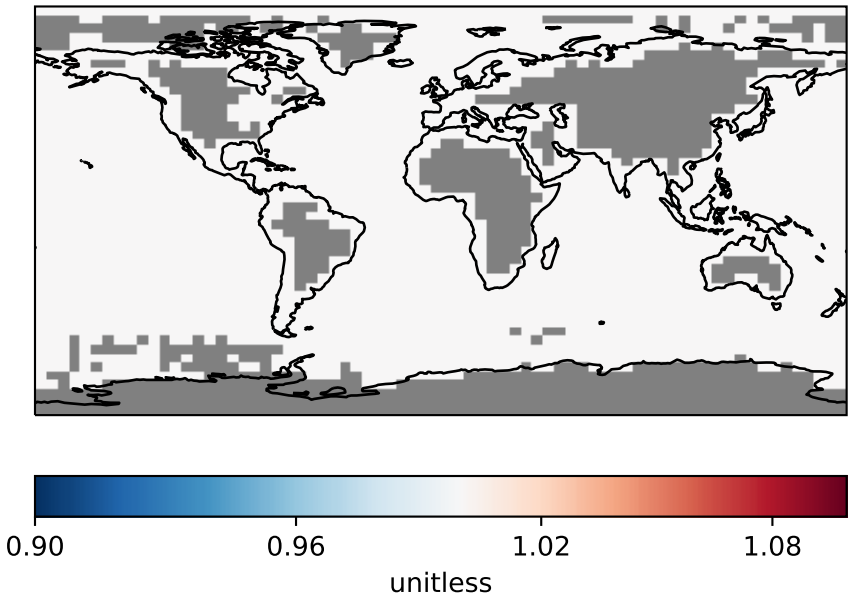
Difference
Dev - Ref, Dynamic Range



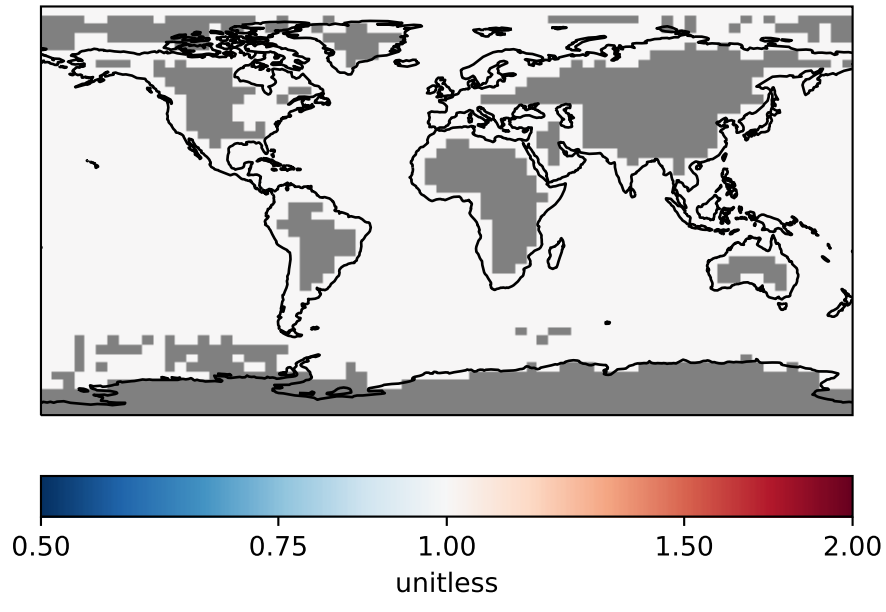
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

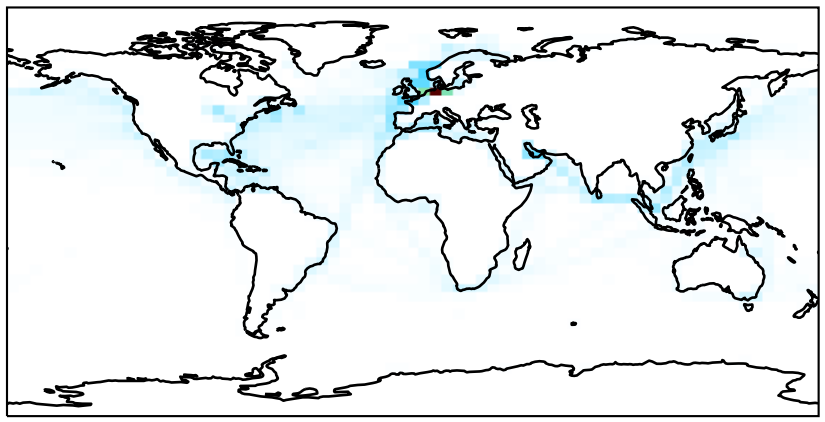


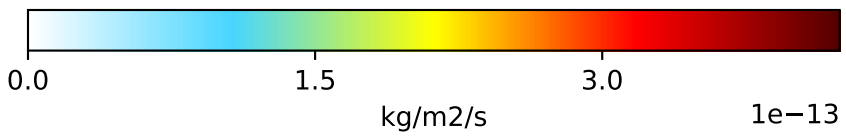
Ratio
Dev/Ref, Fixed Range



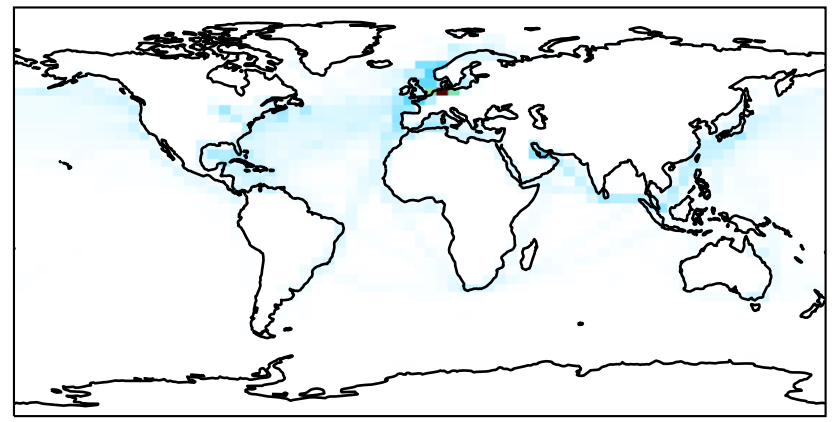
EmisBENZ_Ship (Apr2019)

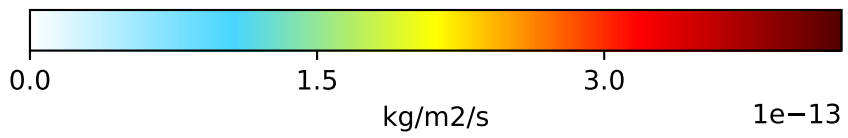
GCC_13.4.0-rc.4 (Ref)
4.0x5.0



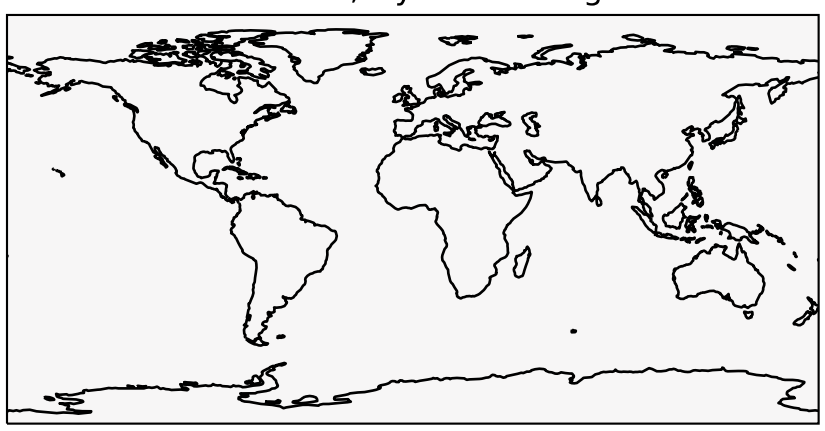


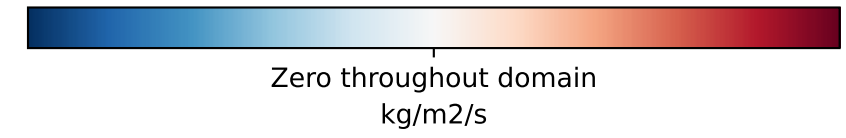
GCC_14.0.0-rc.3 (Dev)
4.0x5.0



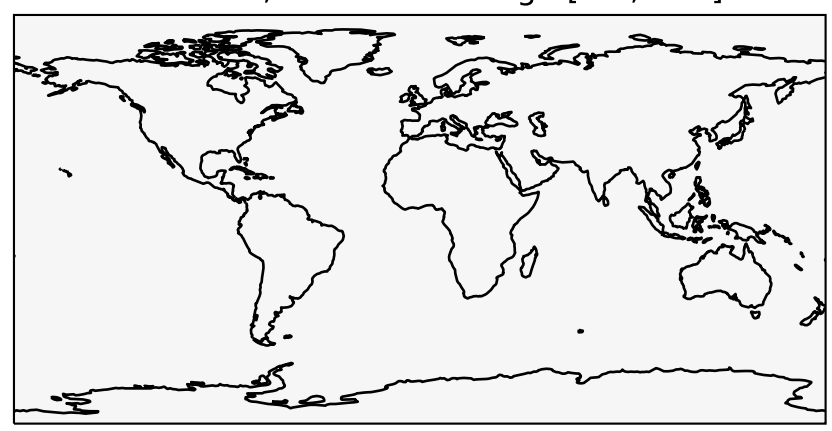


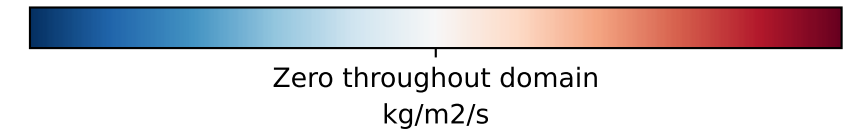
Difference
Dev - Ref, Dynamic Range



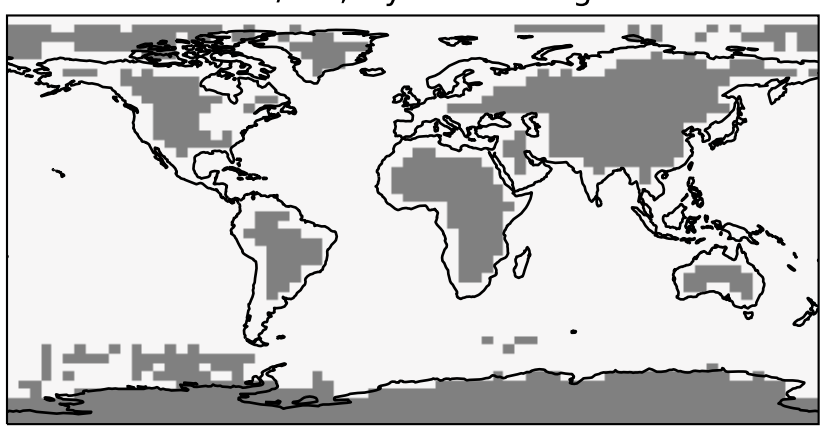


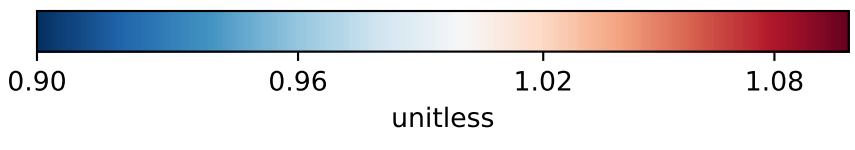
Difference
Dev - Ref, Restricted Range [5%,95%]



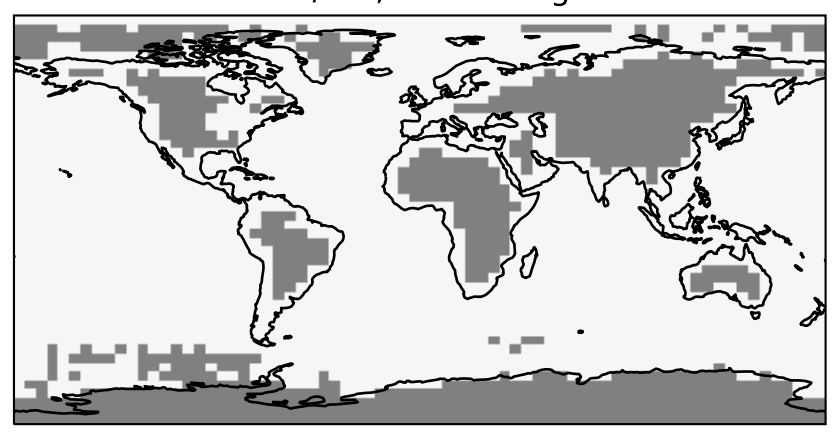


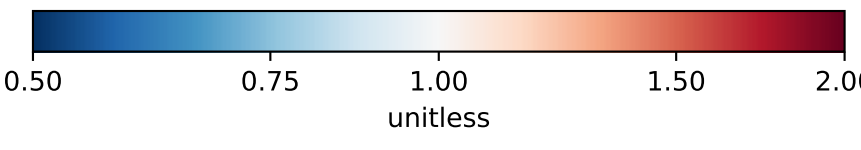
Ratio
Dev/Ref, Dynamic Range





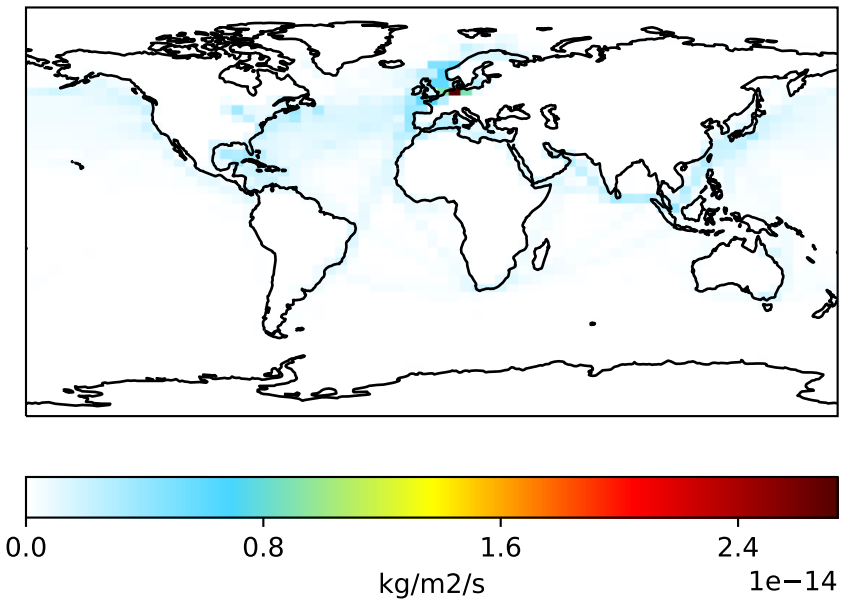
Ratio
Dev/Ref, Fixed Range



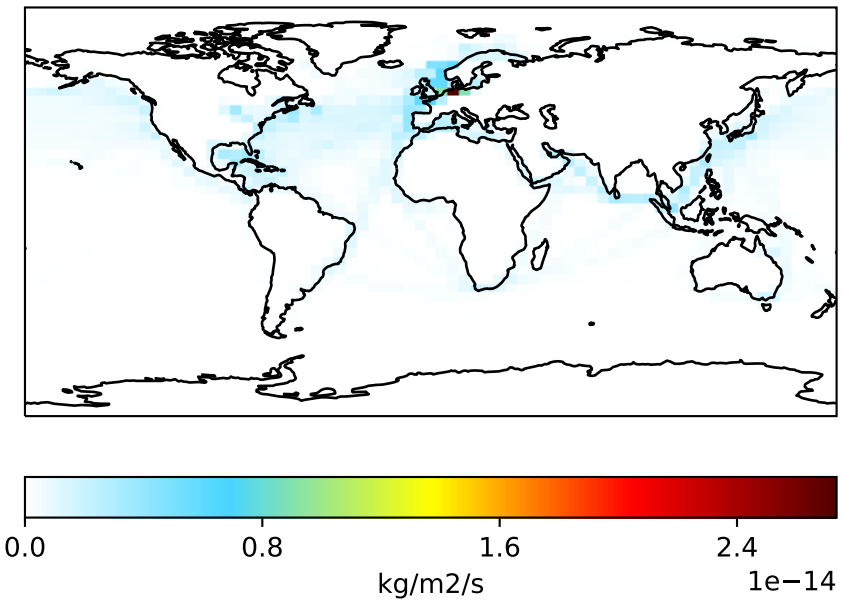


EmisC2H2_Ship (Apr2019)

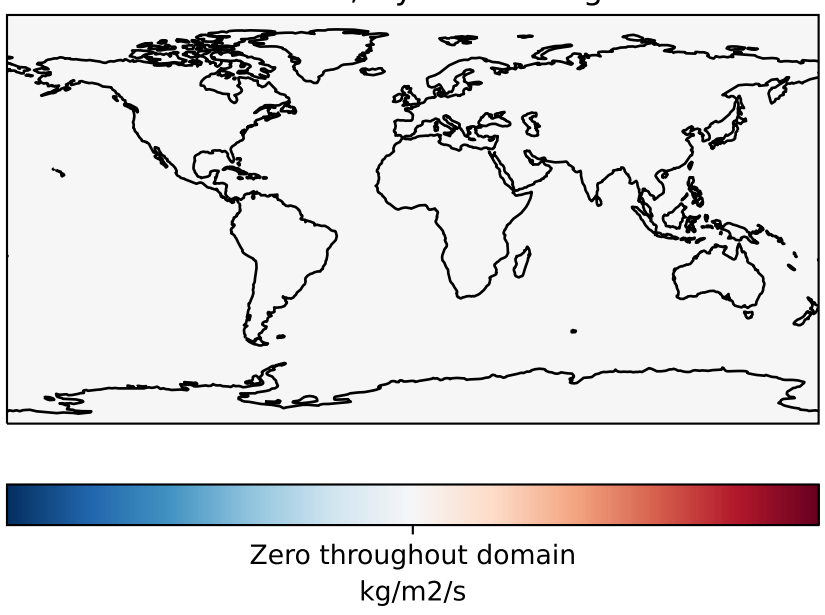
GCC_13.4.0-rc.4 (Ref)
4.0x5.0



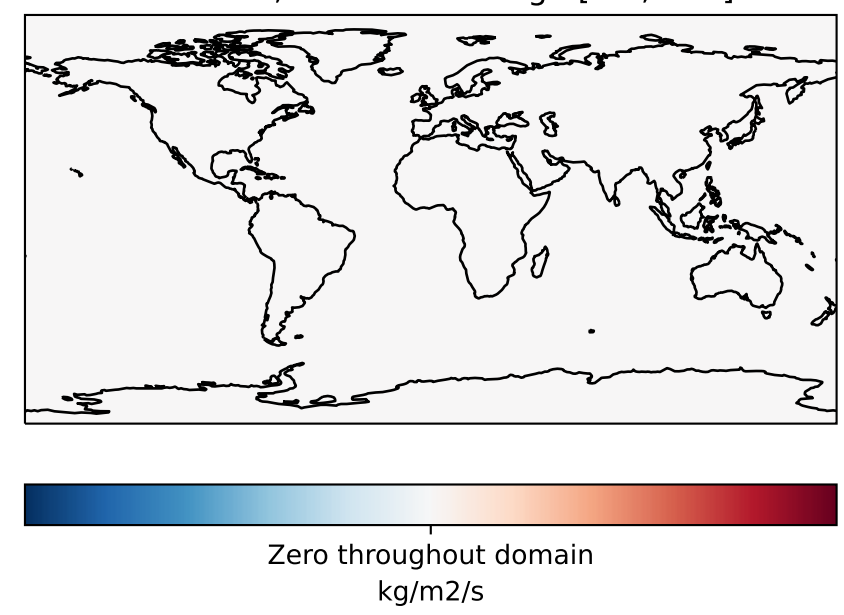
GCC_14.0.0-rc.3 (Dev)
4.0x5.0



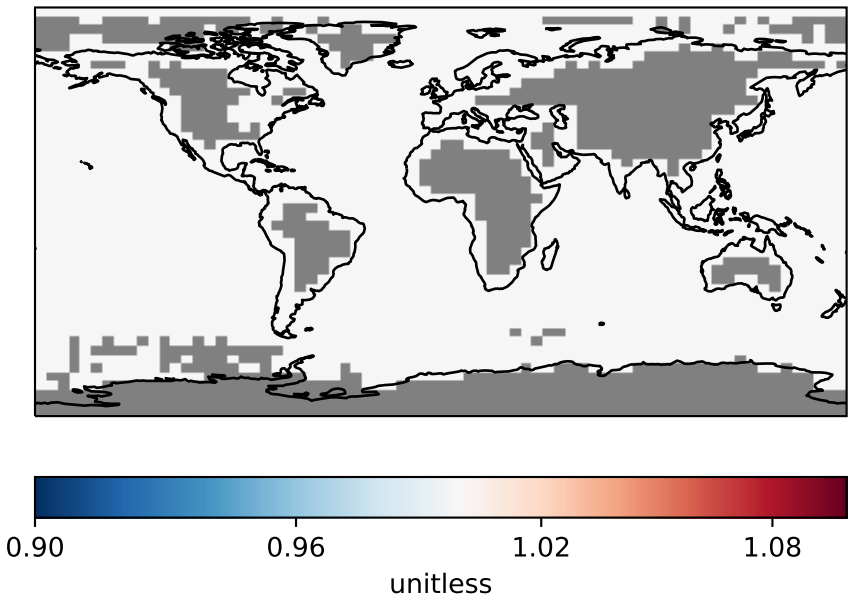
Difference
Dev - Ref, Dynamic Range



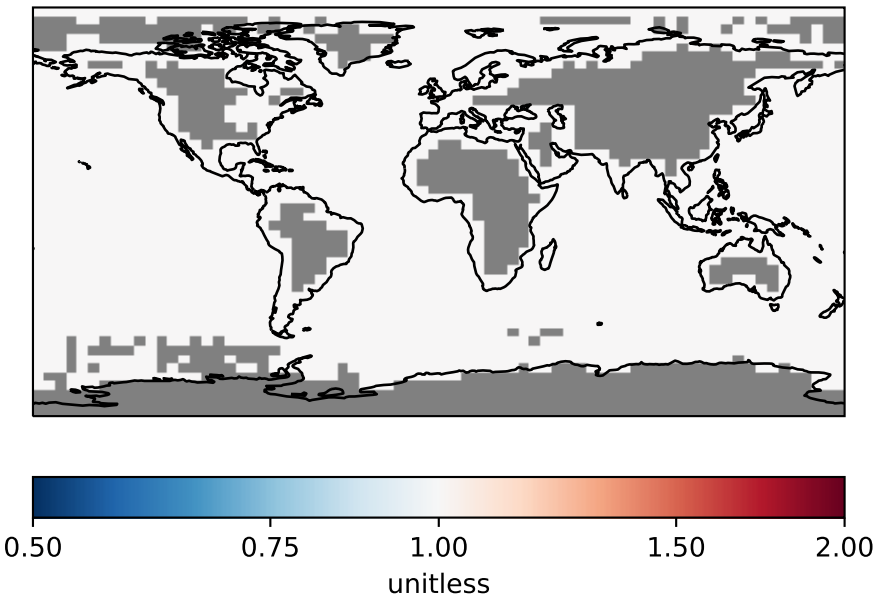
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

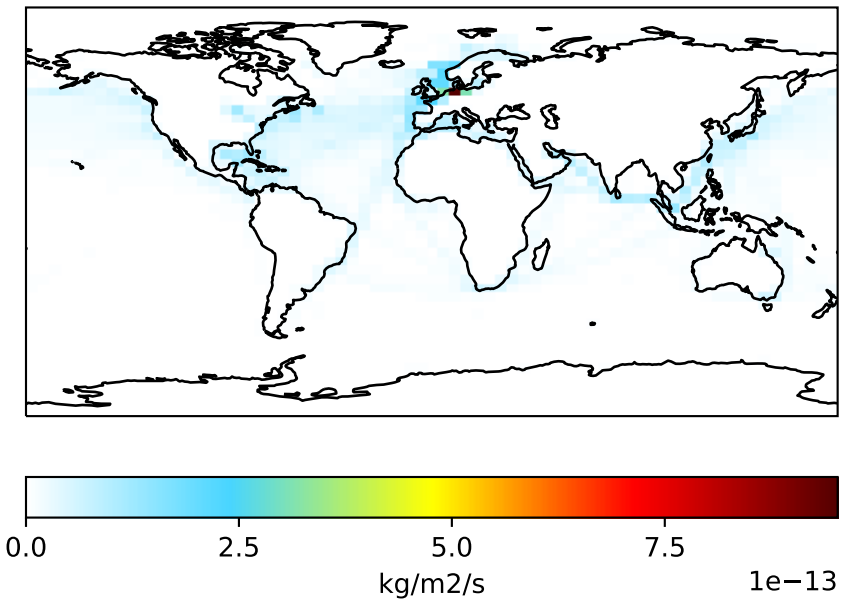


Ratio
Dev/Ref, Fixed Range

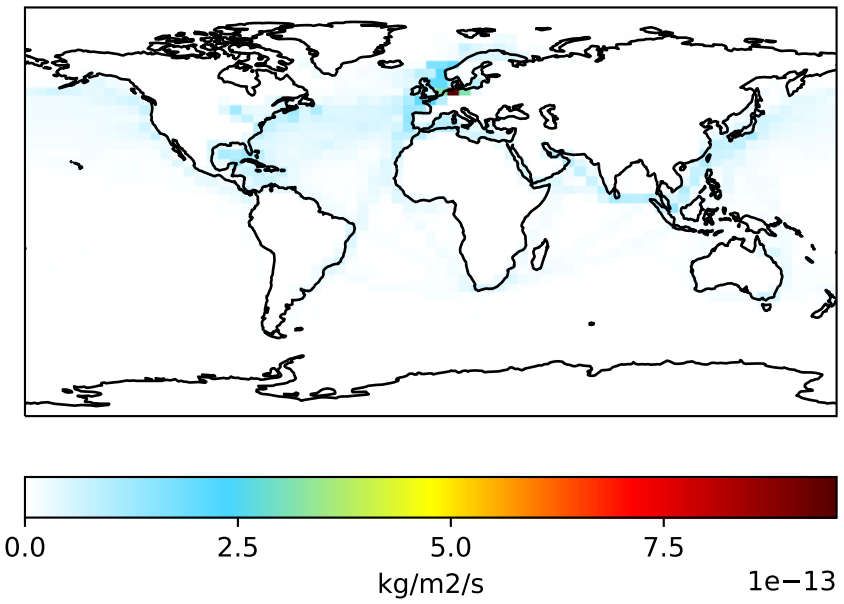


EmisC2H4_Ship (Apr2019)

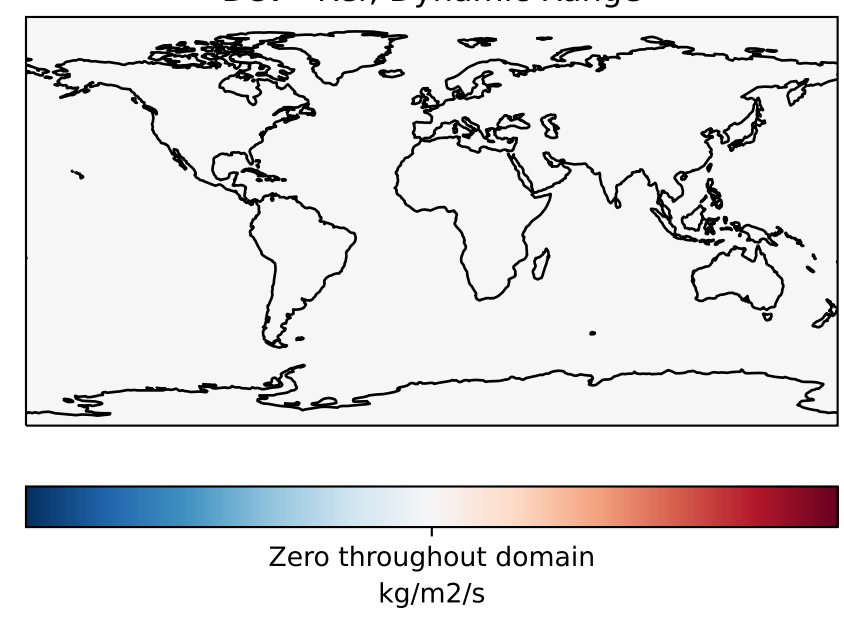
GCC_13.4.0-rc.4 (Ref)
4.0x5.0



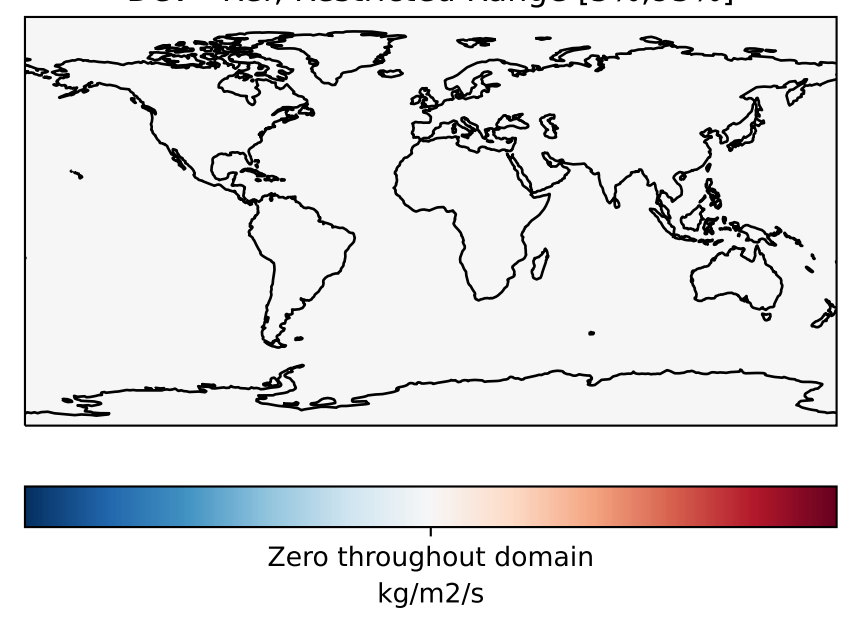
GCC_14.0.0-rc.3 (Dev)
4.0x5.0



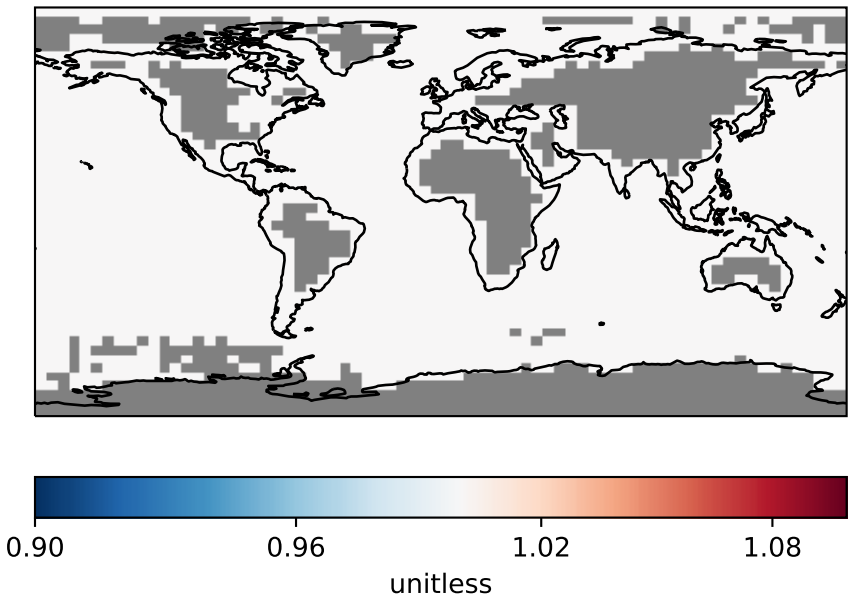
Difference
Dev - Ref, Dynamic Range



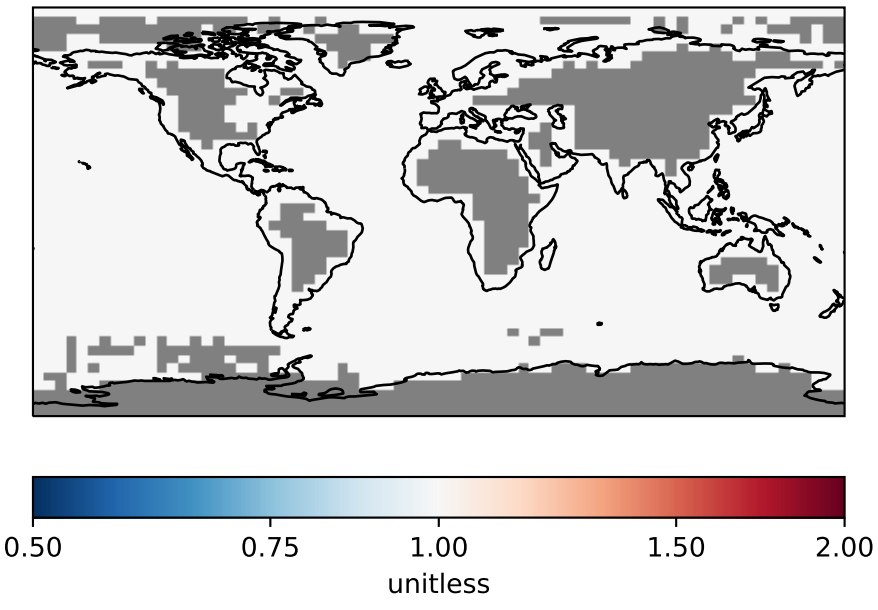
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

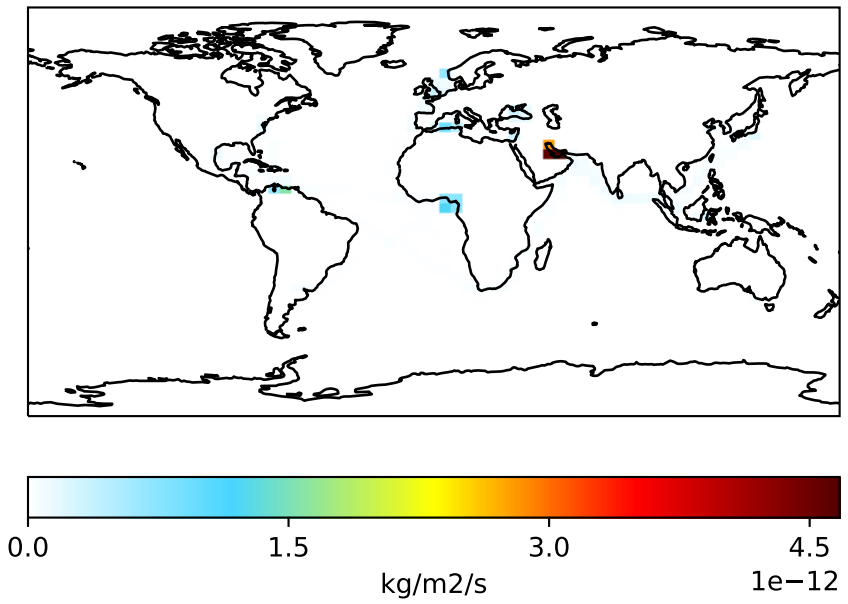


Ratio
Dev/Ref, Fixed Range

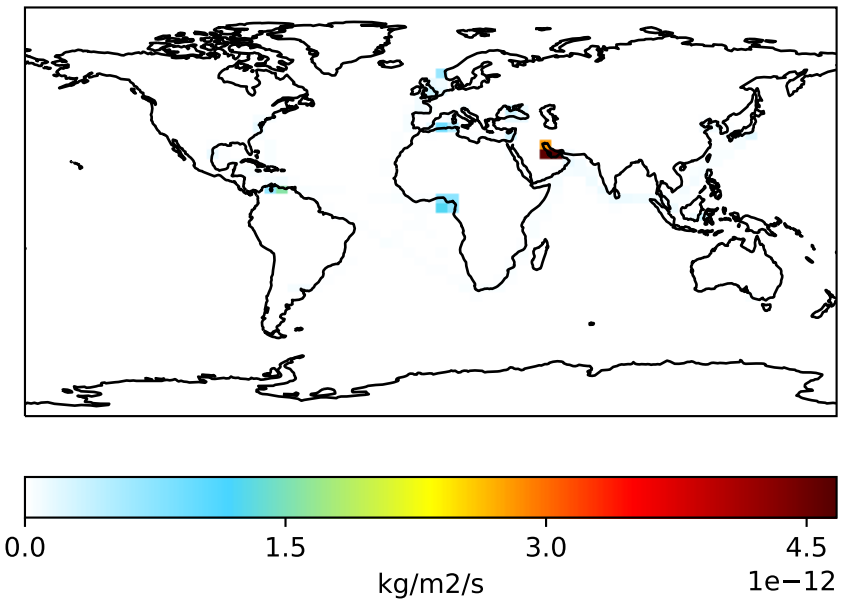


EmisC2H6_Ship (Apr2019)

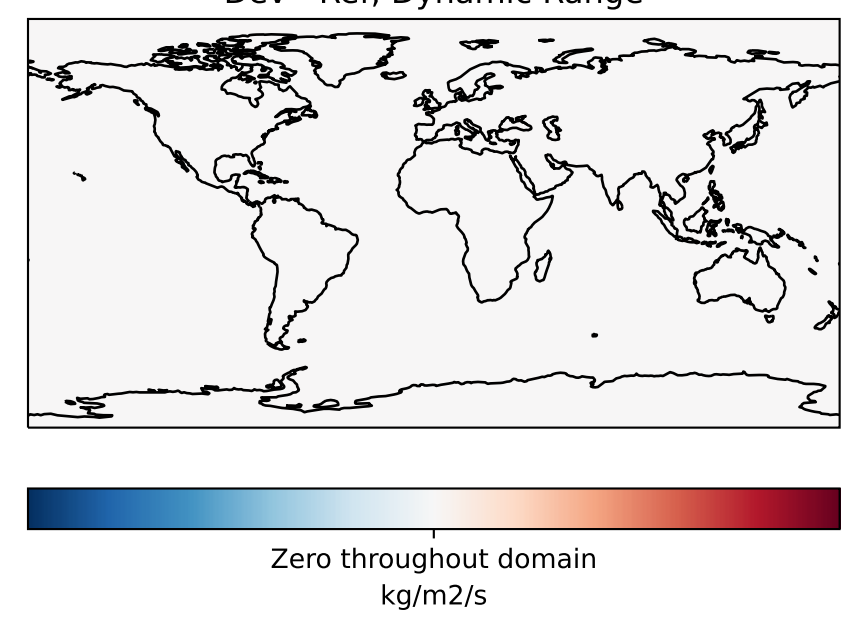
GCC_13.4.0-rc.4 (Ref)
4.0x5.0



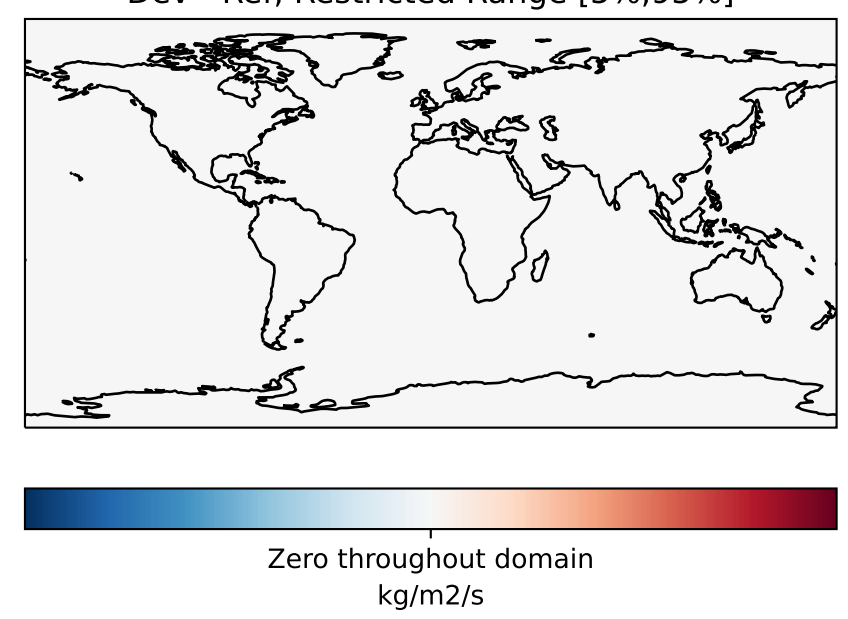
GCC_14.0.0-rc.3 (Dev)
4.0x5.0



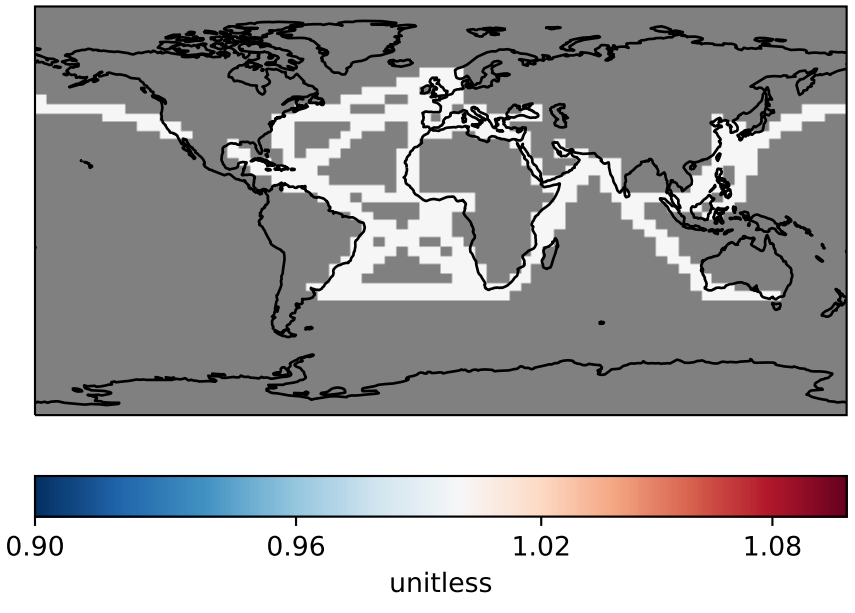
Difference
Dev - Ref, Dynamic Range



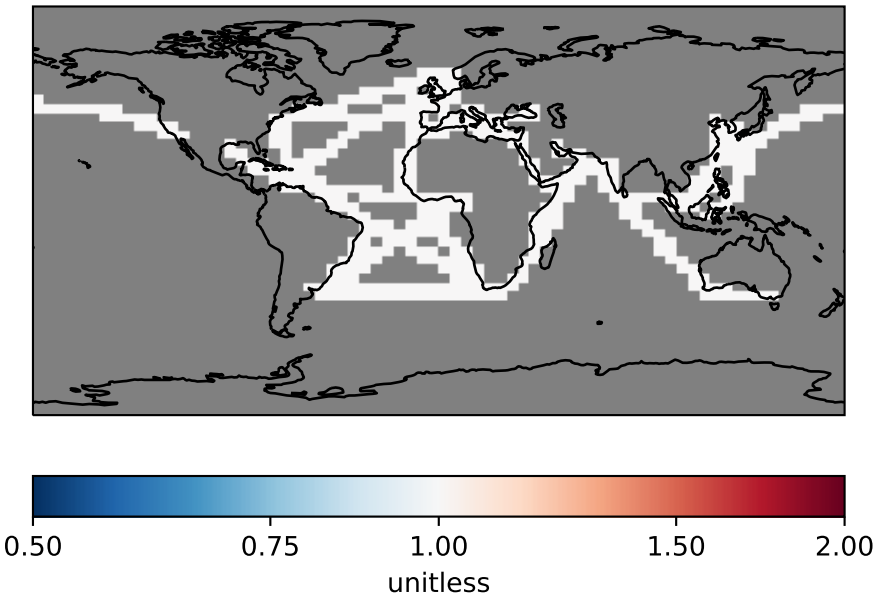
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

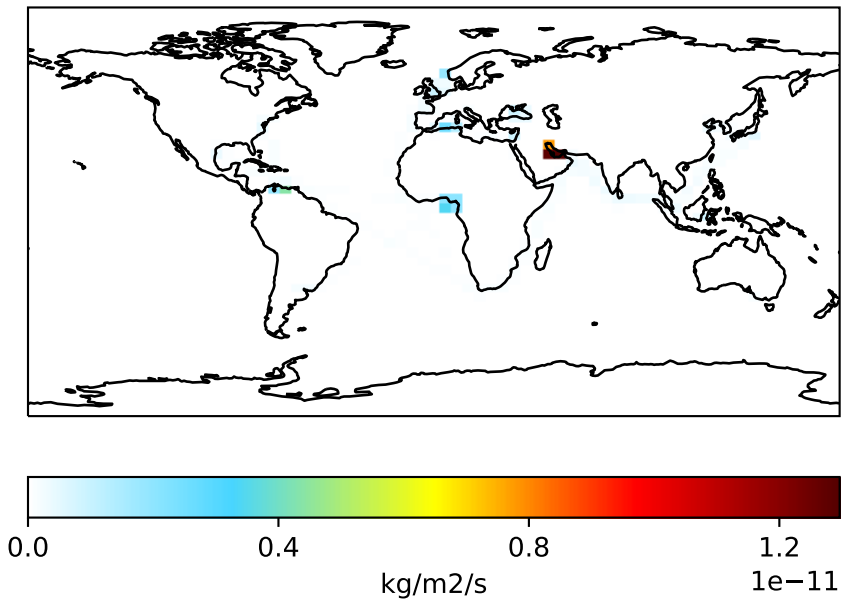


Ratio
Dev/Ref, Fixed Range

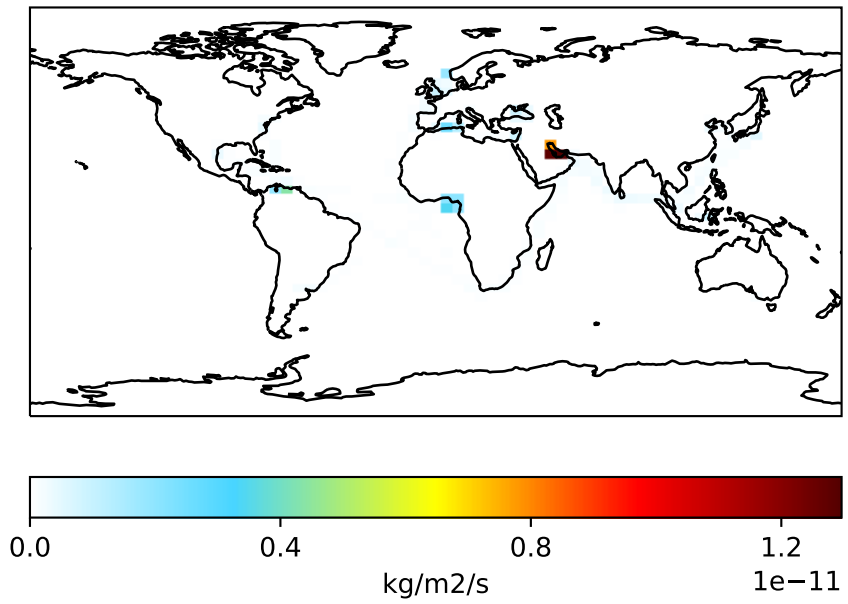


EmisC3H8_Ship (Apr2019)

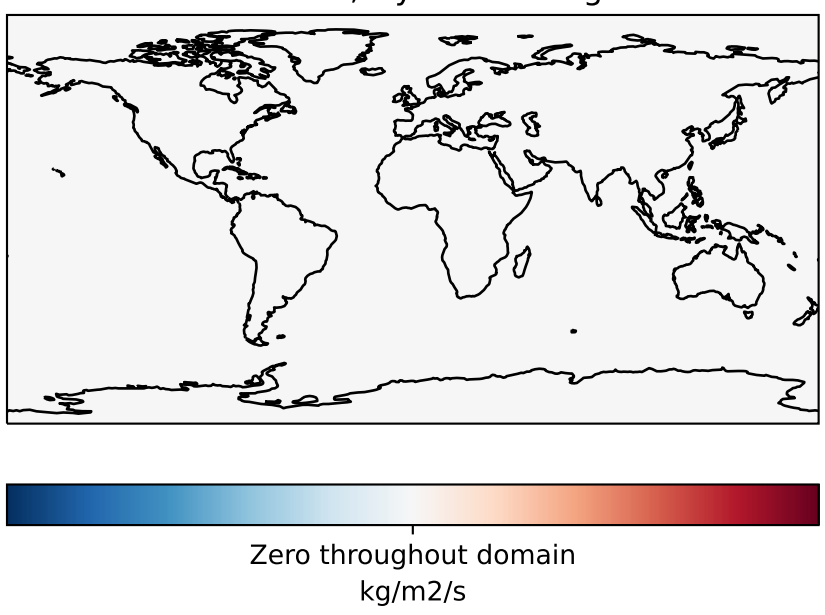
GCC_13.4.0-rc.4 (Ref)
4.0x5.0



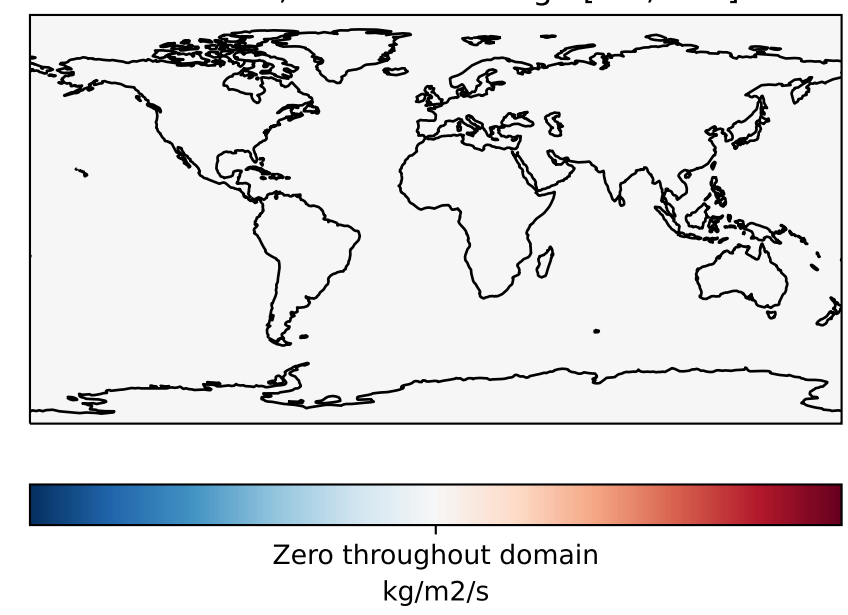
GCC_14.0.0-rc.3 (Dev)
4.0x5.0



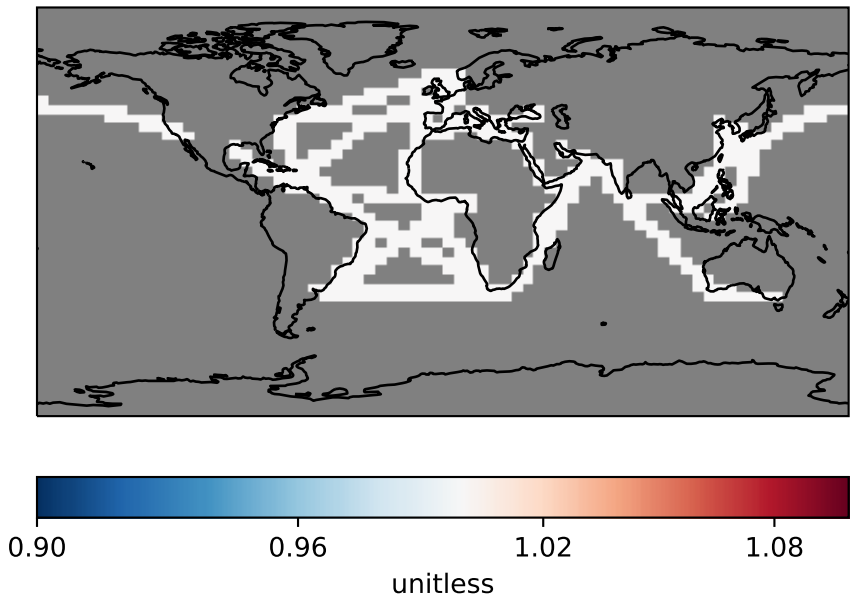
Difference
Dev - Ref, Dynamic Range



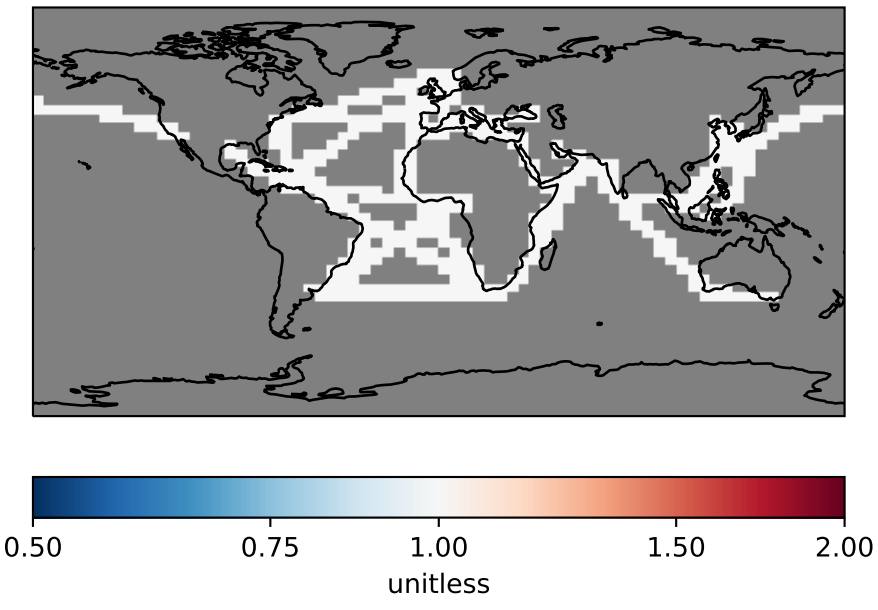
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

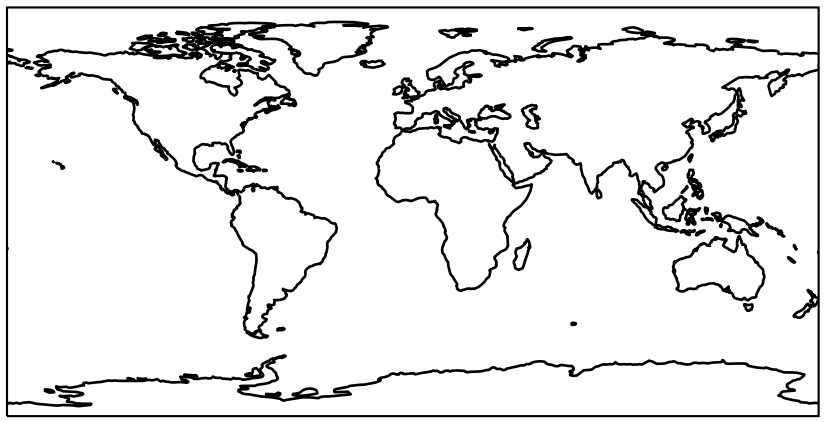


Ratio
Dev/Ref, Fixed Range



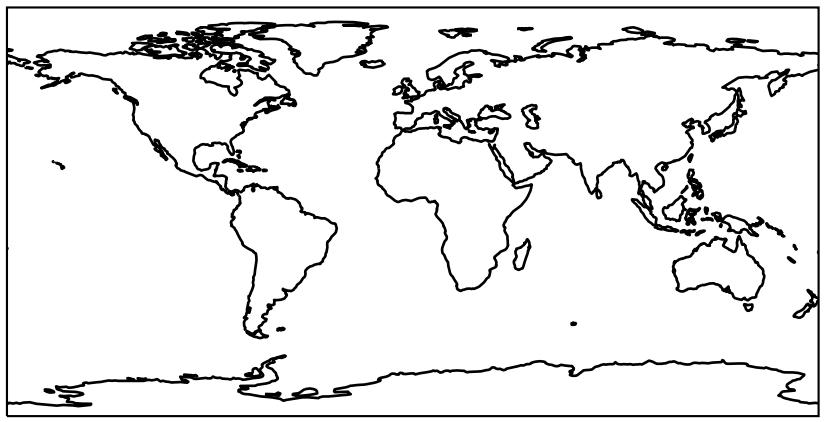
EmisCH2O_Ship (Apr2019)

GCC_13.4.0-rc.4 (Ref)
4.0x5.0



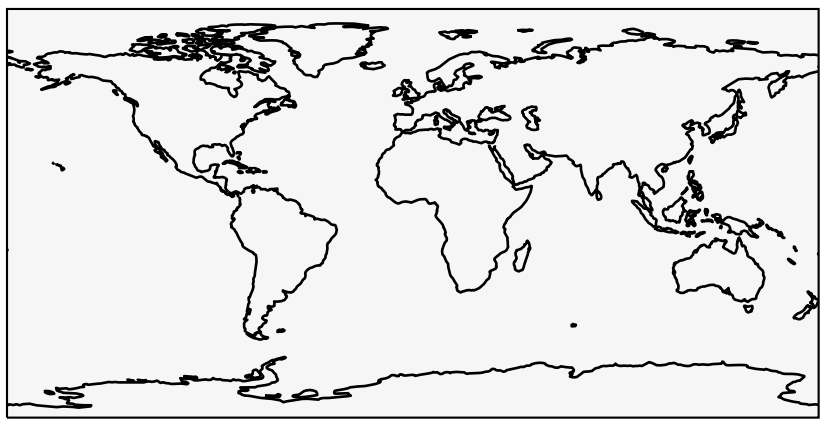
Zero throughout domain
kg/m2/s

GCC_14.0.0-rc.3 (Dev)
4.0x5.0



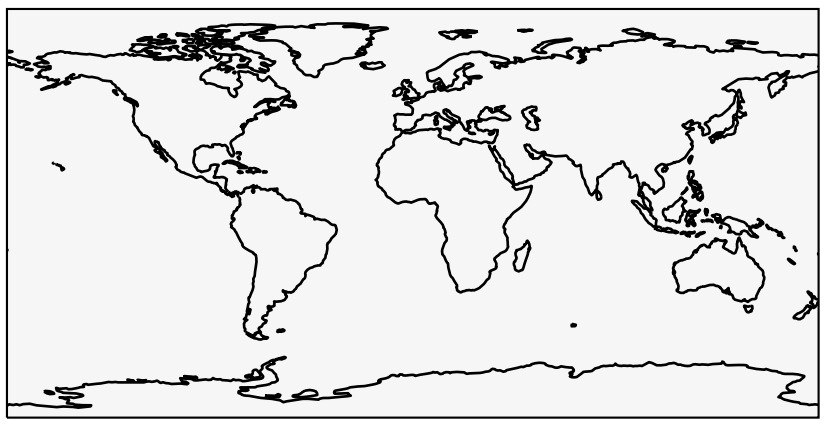
Zero throughout domain
kg/m2/s

Difference
Dev - Ref, Dynamic Range



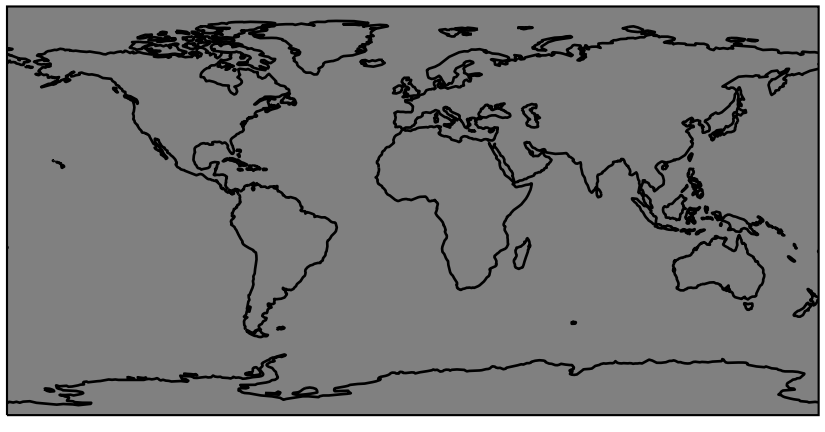
Zero throughout domain
kg/m2/s

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



Zero throughout domain
kg/m2/s

Ratio
Dev/Ref, Dynamic Range



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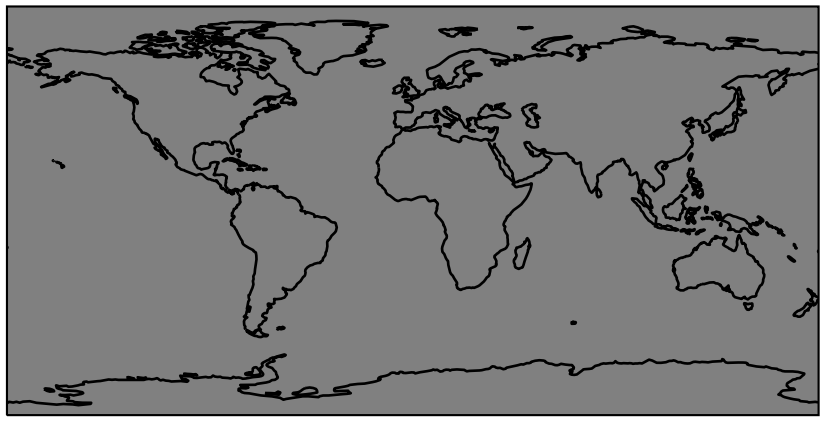
unitless

Ratio
Dev/Ref, Fixed Range



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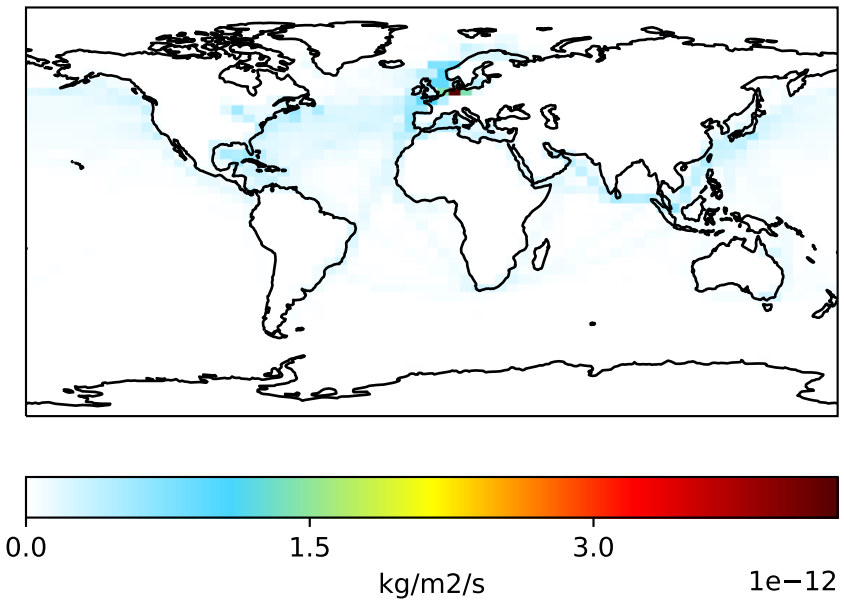
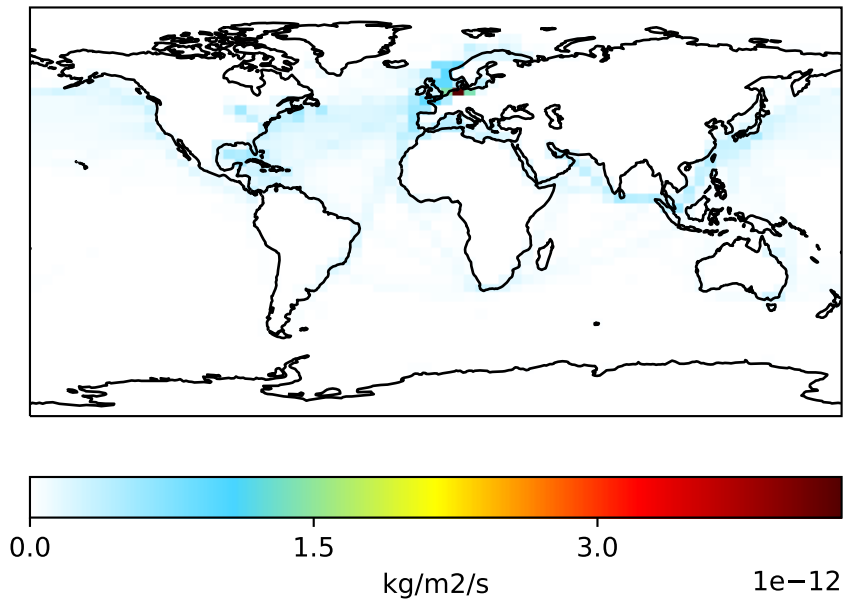
unitless

EmisCO_Ship (Apr2019)

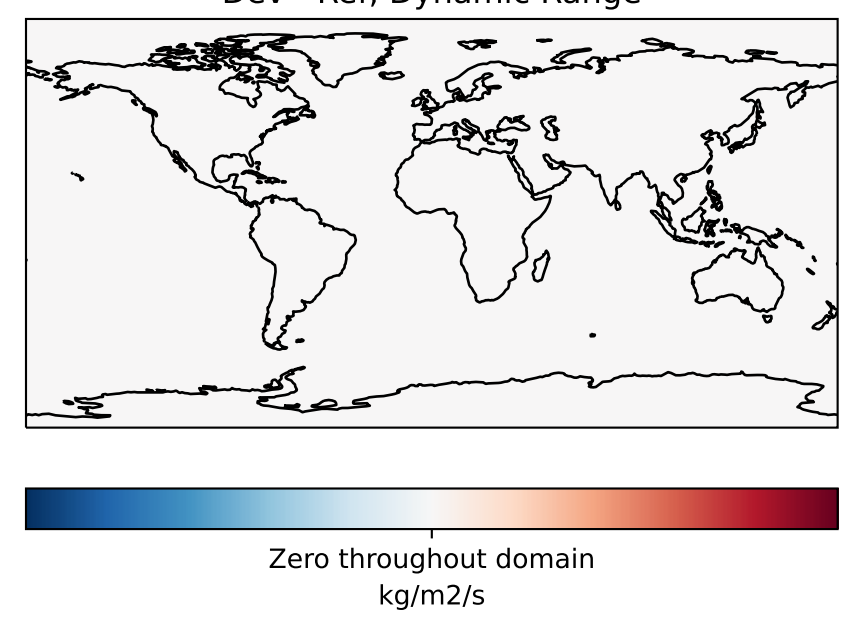
GCC_13.4.0-rc.4 (Ref)
4.0x5.0



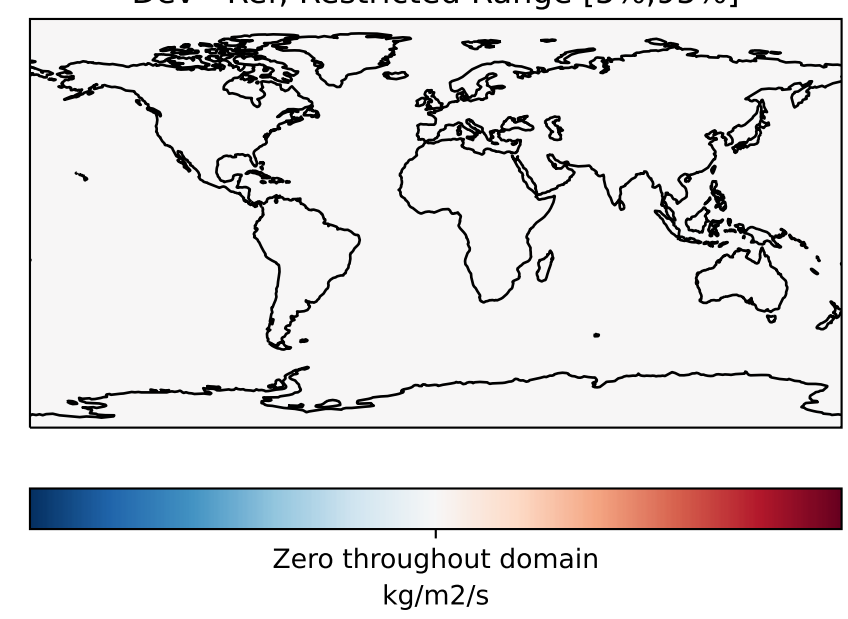
GCC_14.0.0-rc.3 (Dev)
4.0x5.0



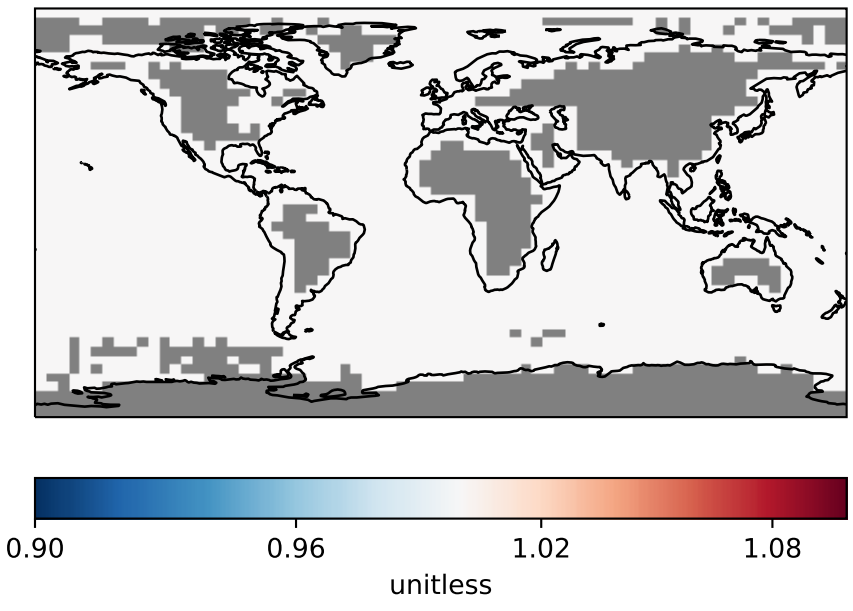
Difference
Dev - Ref, Dynamic Range



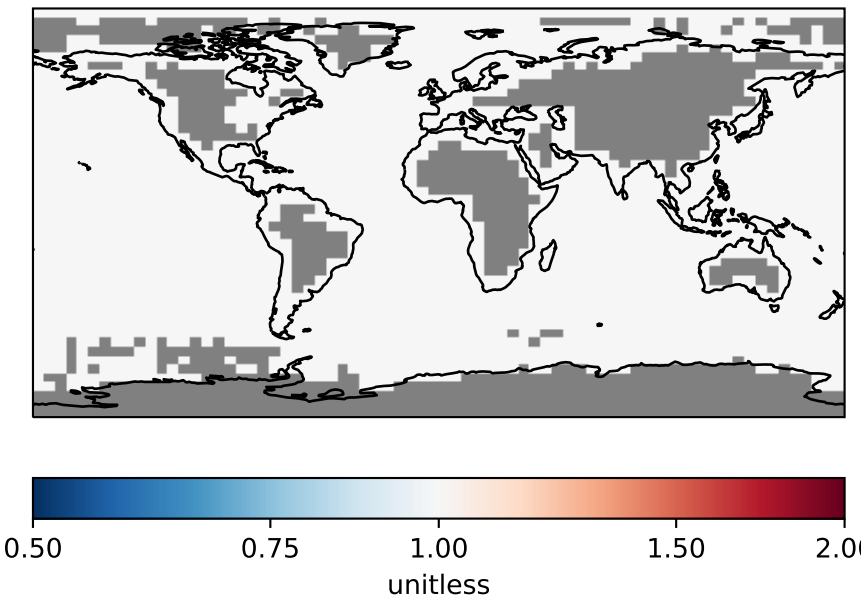
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

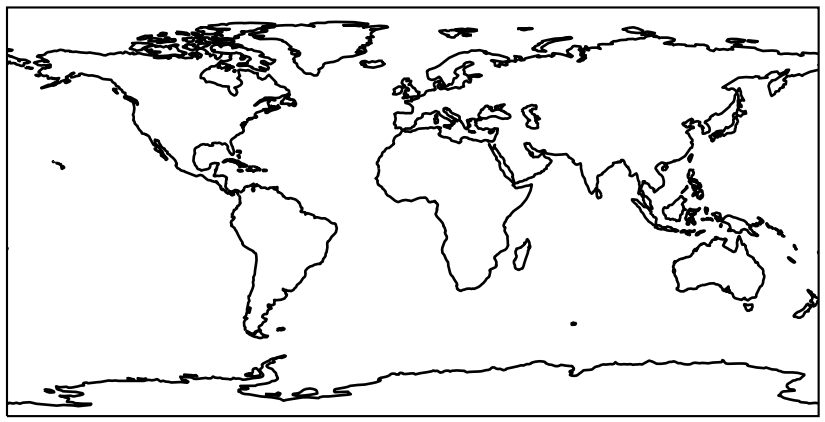


Ratio
Dev/Ref, Fixed Range



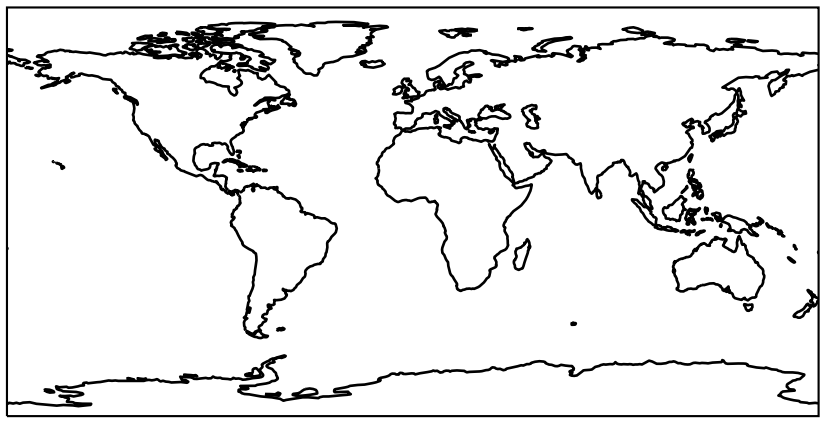
EmisEOH_Ship (Apr2019)

GCC_13.4.0-rc.4 (Ref)
4.0x5.0



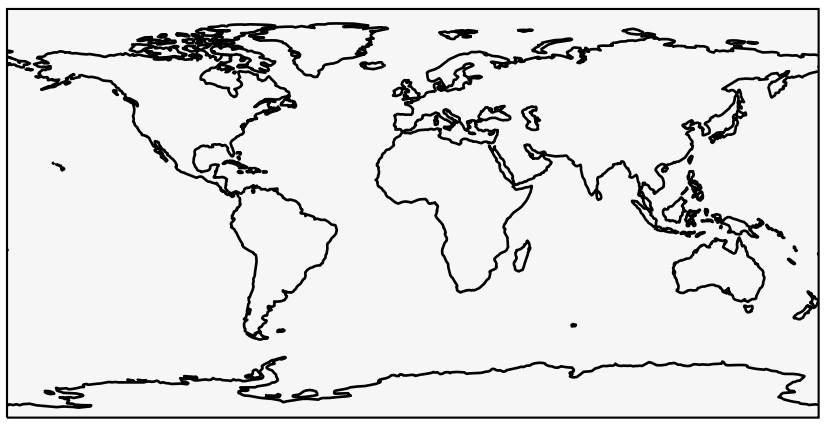
Zero throughout domain
kg/m2/s

GCC_14.0.0-rc.3 (Dev)
4.0x5.0



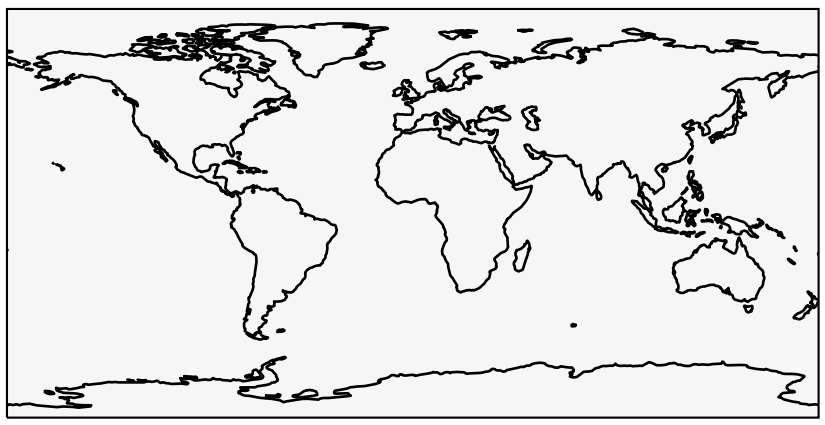
Zero throughout domain
kg/m2/s

Difference
Dev - Ref, Dynamic Range



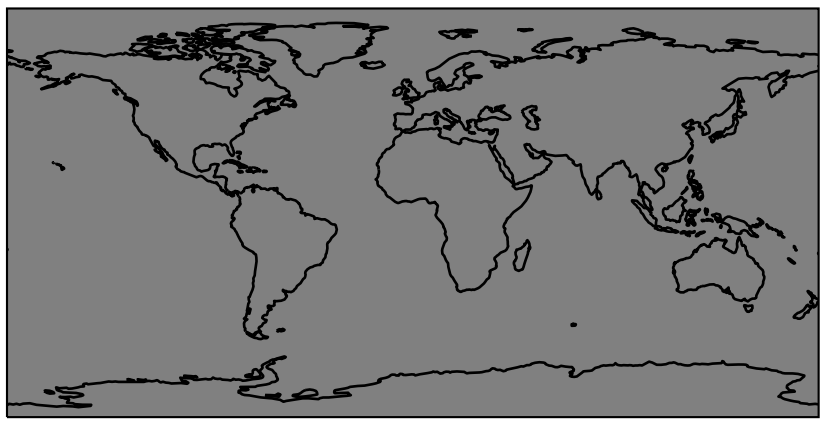
Zero throughout domain
kg/m2/s

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



Zero throughout domain
kg/m2/s

Ratio
Dev/Ref, Dynamic Range



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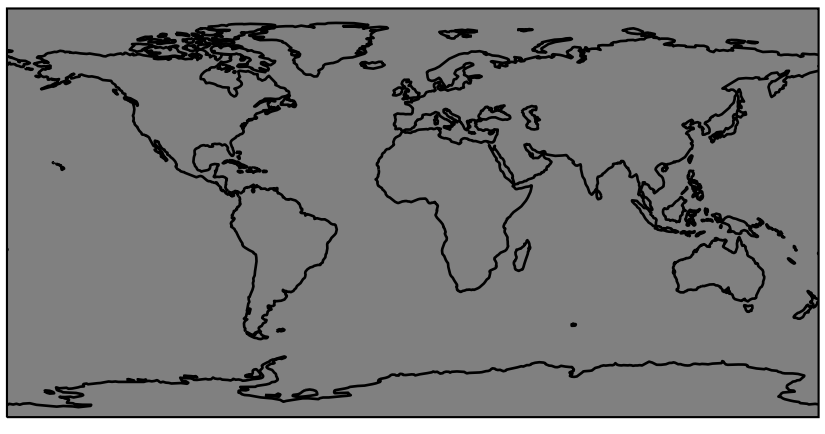
Ratio
Dev/Ref, Fixed Range



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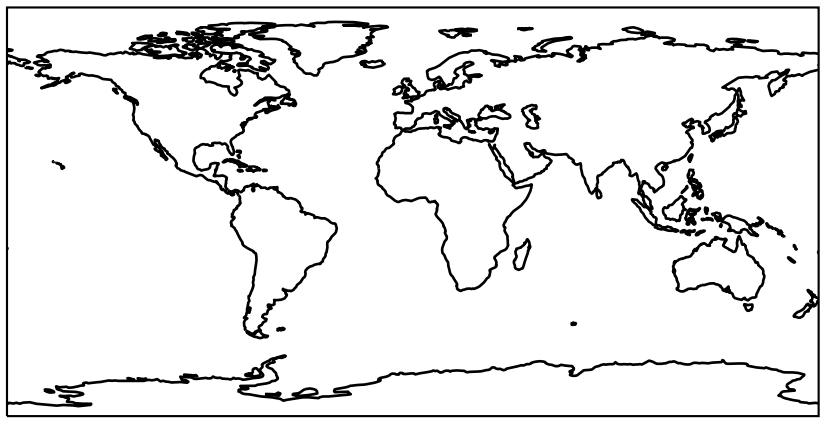
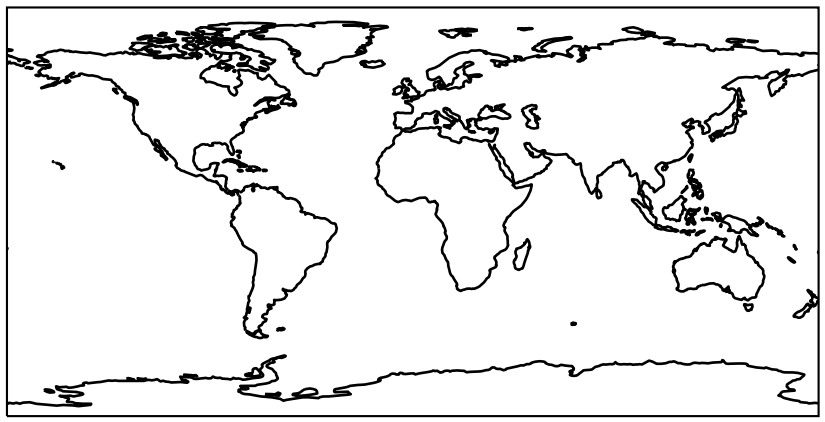
EmisHCOOH_Ship (Apr2019)

GCC_13.4.0-rc.4 (Ref)
4.0x5.0



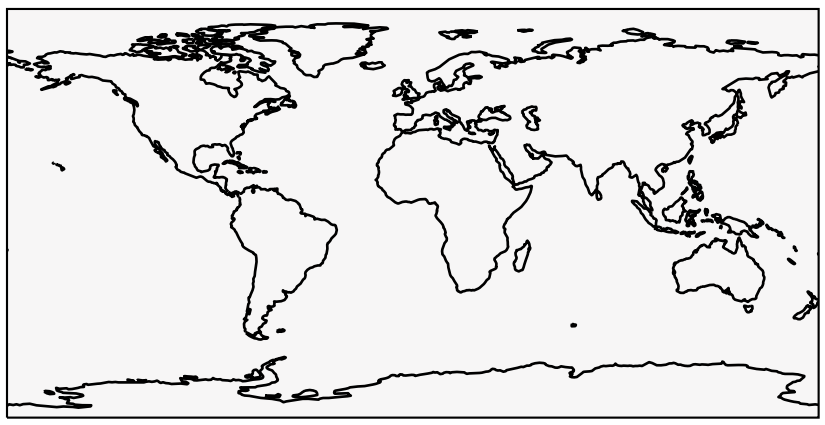
Zero throughout domain
kg/m2/s

GCC_14.0.0-rc.3 (Dev)
4.0x5.0



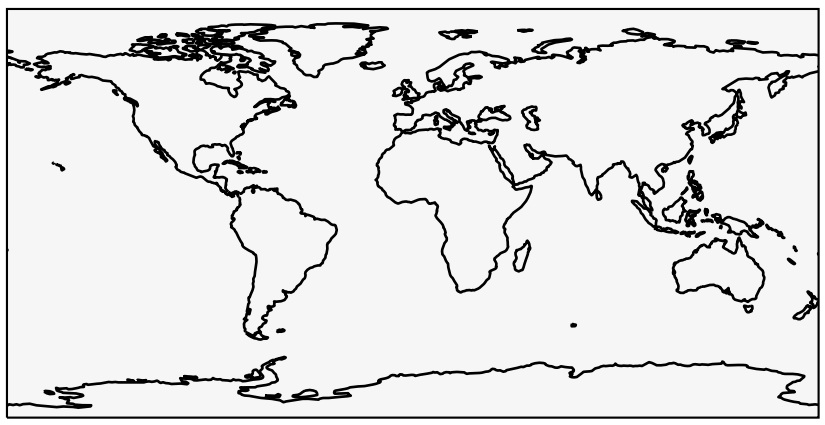
Zero throughout domain
kg/m2/s

Difference
Dev - Ref, Dynamic Range



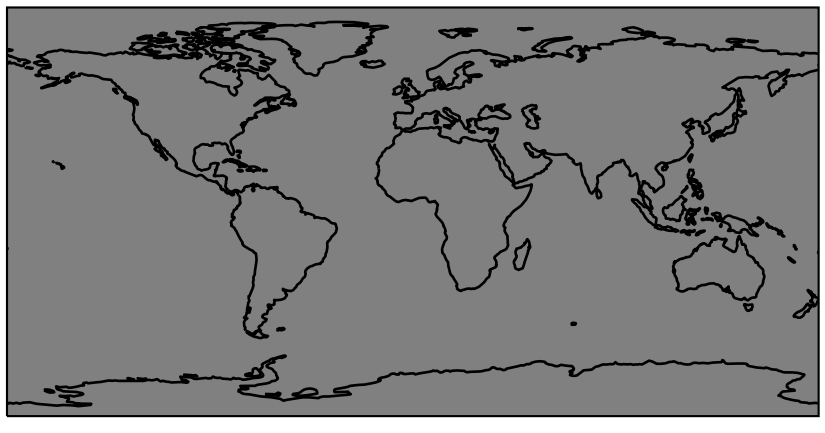
Zero throughout domain
kg/m2/s

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



Zero throughout domain
kg/m2/s

Ratio
Dev/Ref, Dynamic Range



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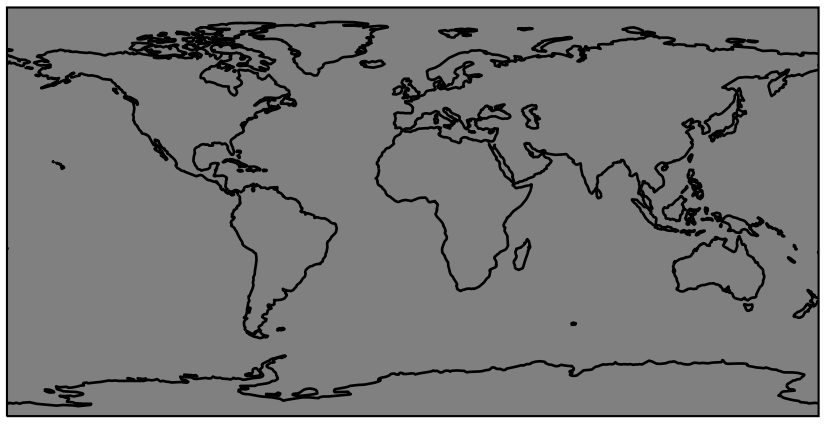
unitless

Ratio
Dev/Ref, Fixed Range



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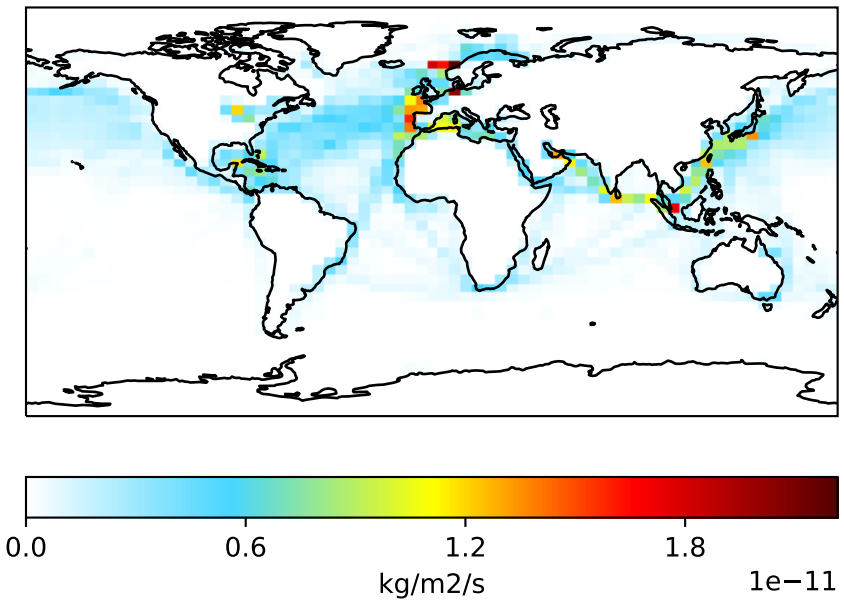
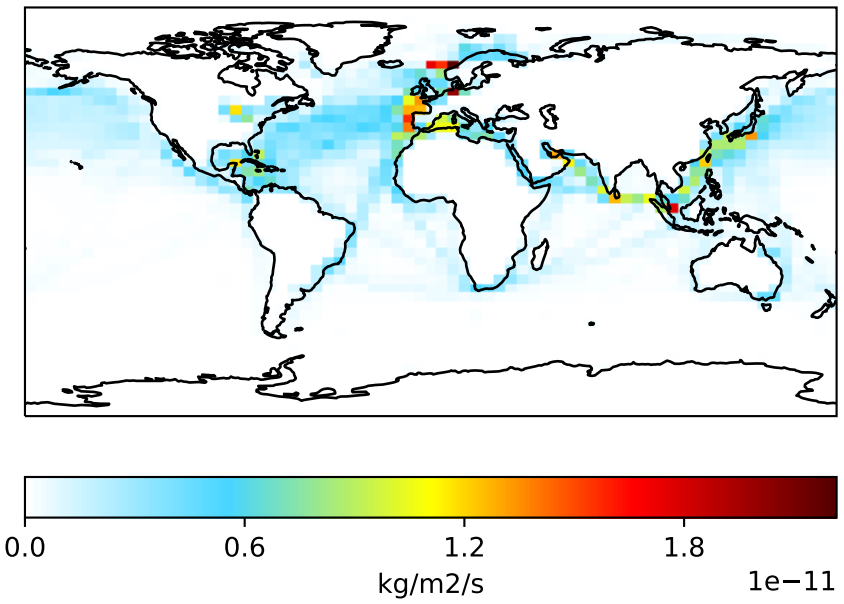
EmisHNO3_Ship (Apr2019)

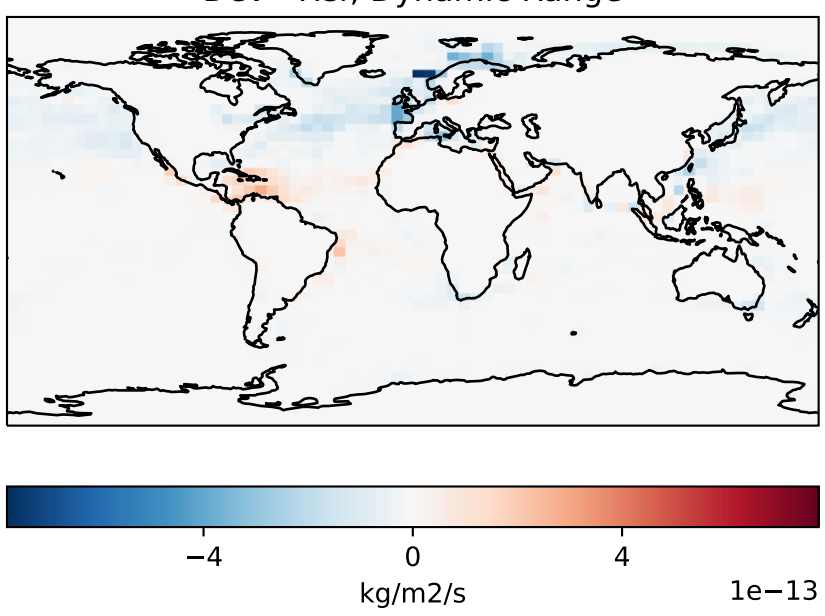
GCC_13.4.0-rc.4 (Ref)
4.0x5.0



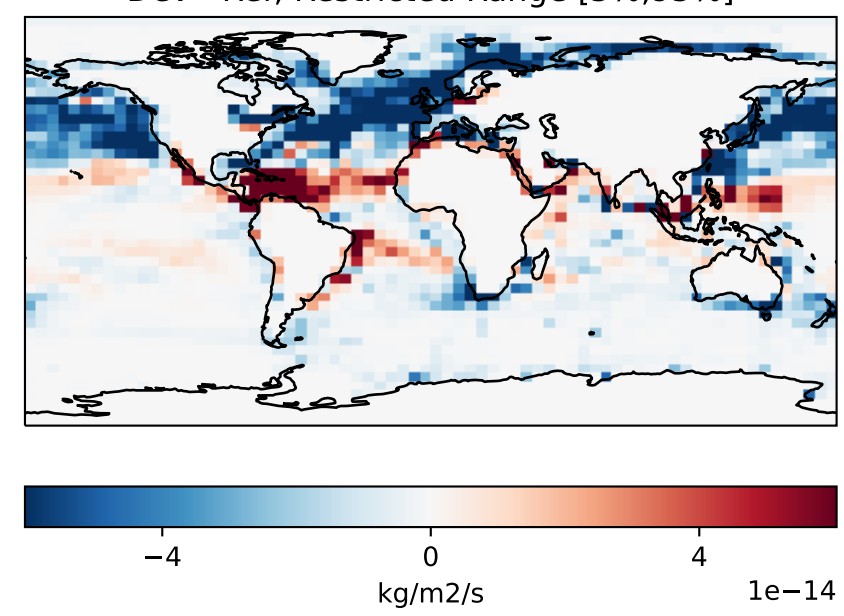
GCC_14.0.0-rc.3 (Dev)
4.0x5.0



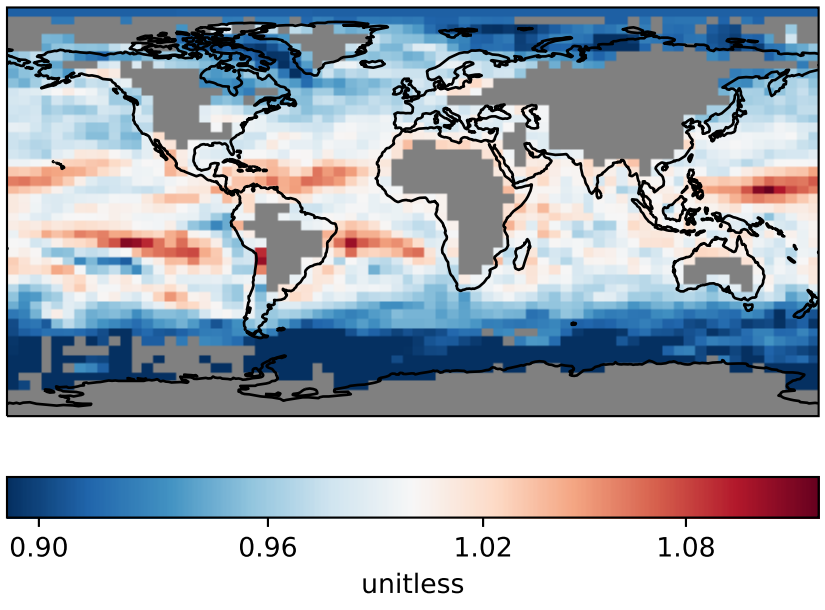
Difference
Dev - Ref, Dynamic Range



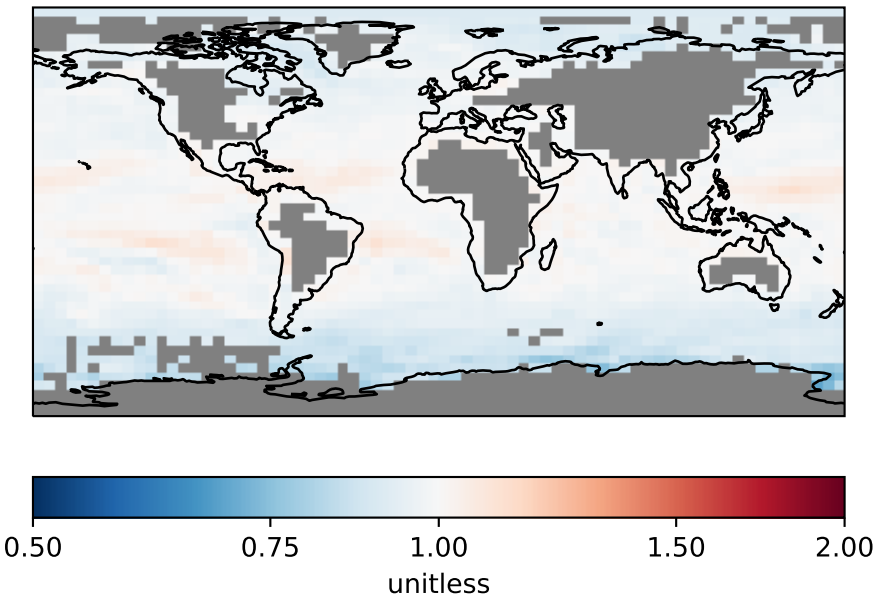
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

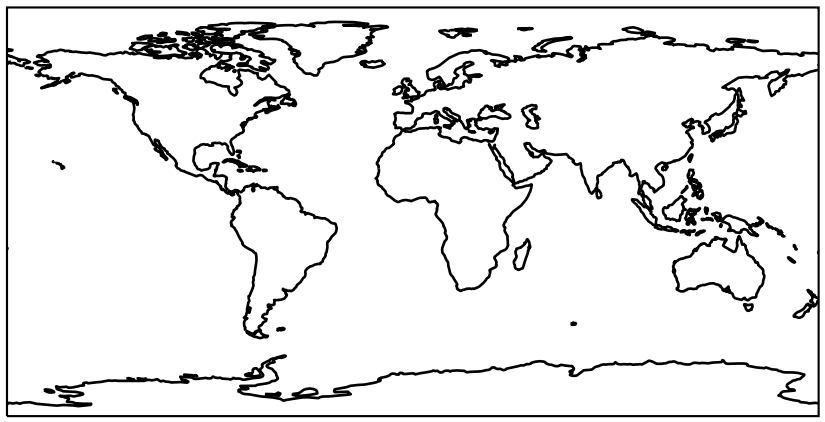


Ratio
Dev/Ref, Fixed Range



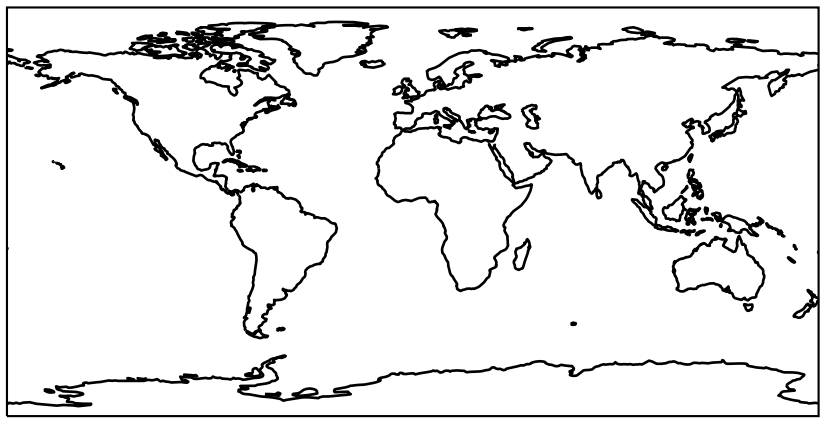
EmisMEK_Ship (Apr2019)

GCC_13.4.0-rc.4 (Ref)
4.0x5.0



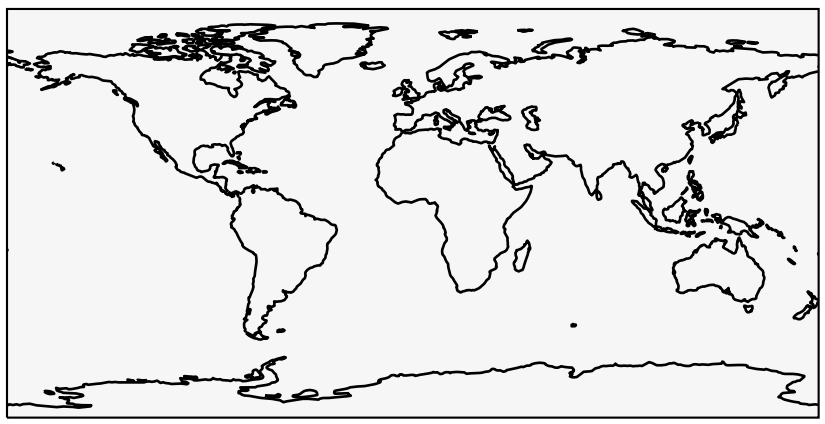
Zero throughout domain
kg/m2/s

GCC_14.0.0-rc.3 (Dev)
4.0x5.0



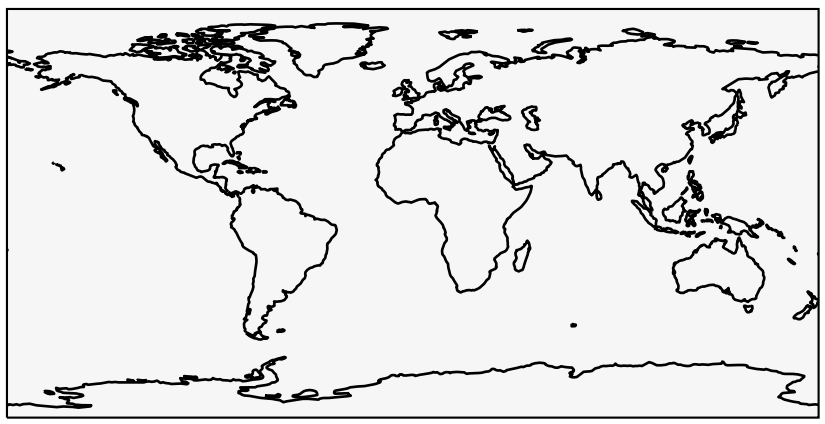
Zero throughout domain
kg/m2/s

Difference
Dev - Ref, Dynamic Range



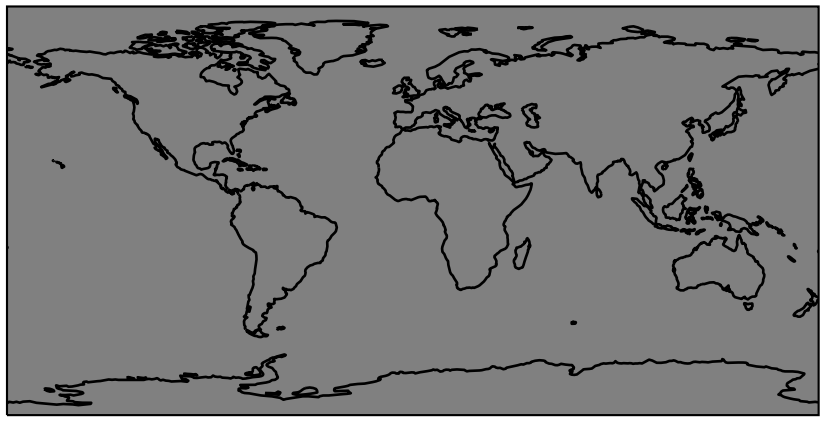
Zero throughout domain
kg/m2/s

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



Zero throughout domain
kg/m2/s

Ratio
Dev/Ref, Dynamic Range



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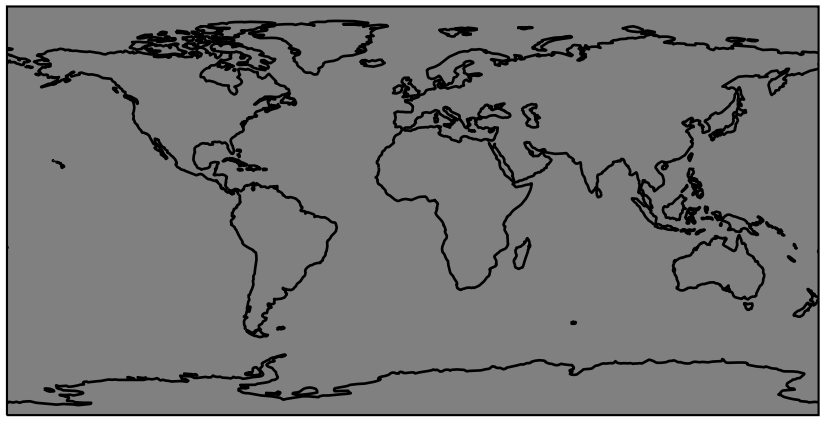
unitless

Ratio
Dev/Ref, Fixed Range



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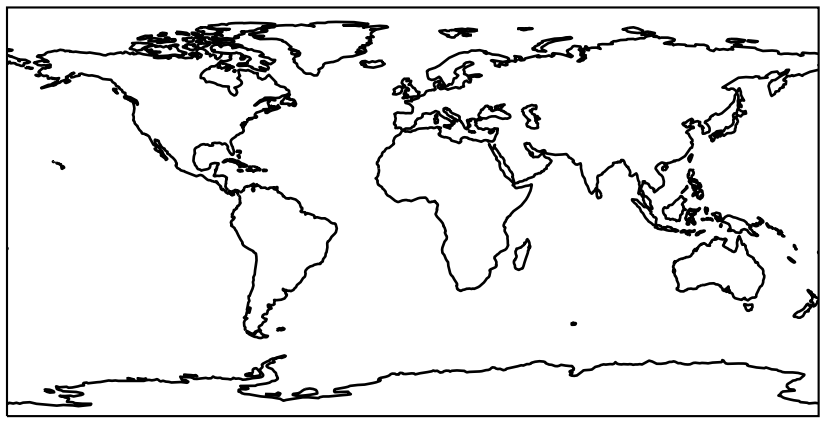
unitless

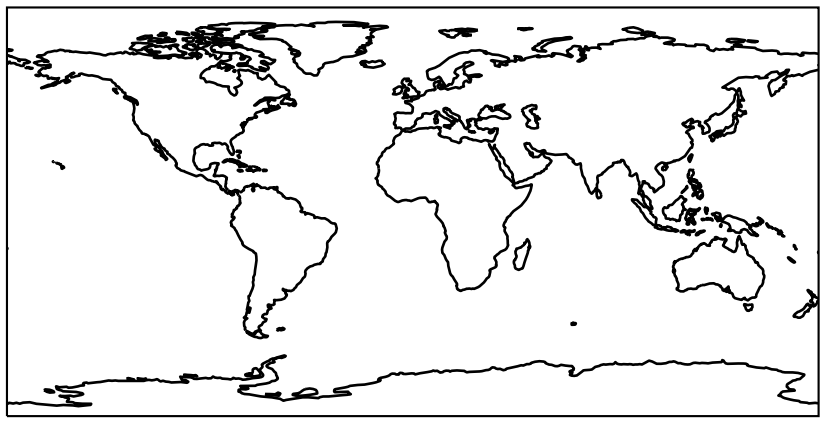
EmisMOH_Ship (Apr2019)

GCC_13.4.0-rc.4 (Ref)
4.0x5.0



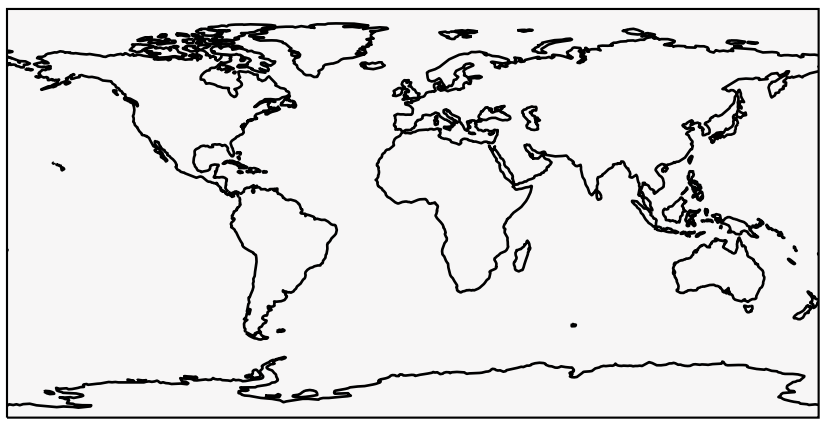
Zero throughout domain
kg/m2/s

GCC_14.0.0-rc.3 (Dev)
4.0x5.0



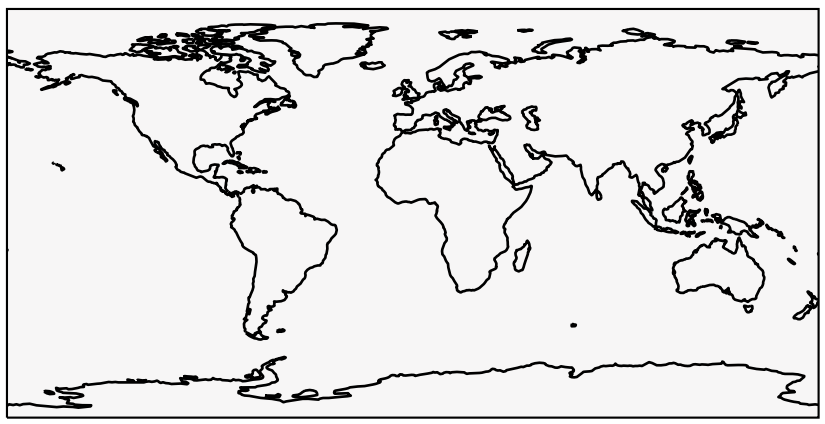
Zero throughout domain
kg/m2/s

Difference
Dev - Ref, Dynamic Range



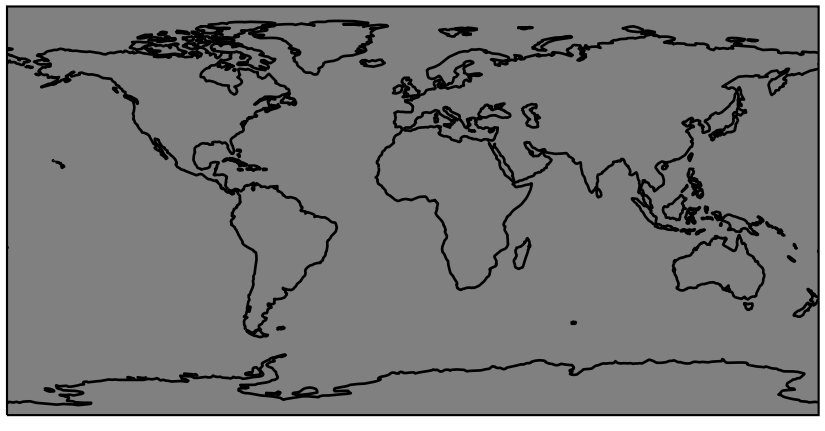
Zero throughout domain
kg/m2/s

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



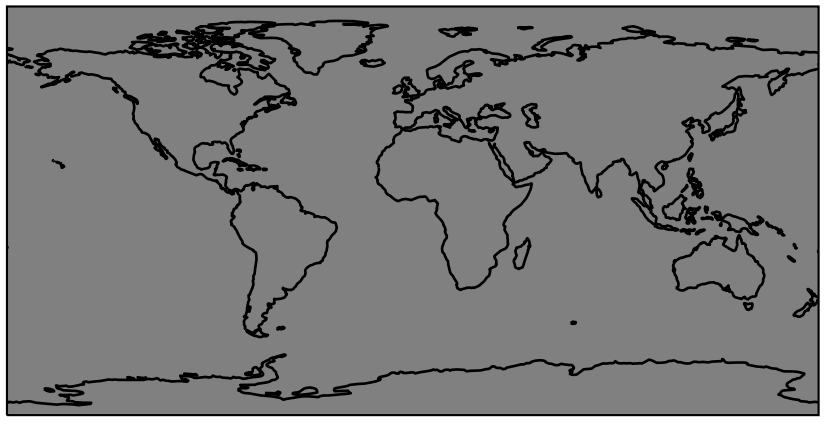
Zero throughout domain
kg/m2/s

Ratio
Dev/Ref, Dynamic Range



Undefined throughout domain
unitless

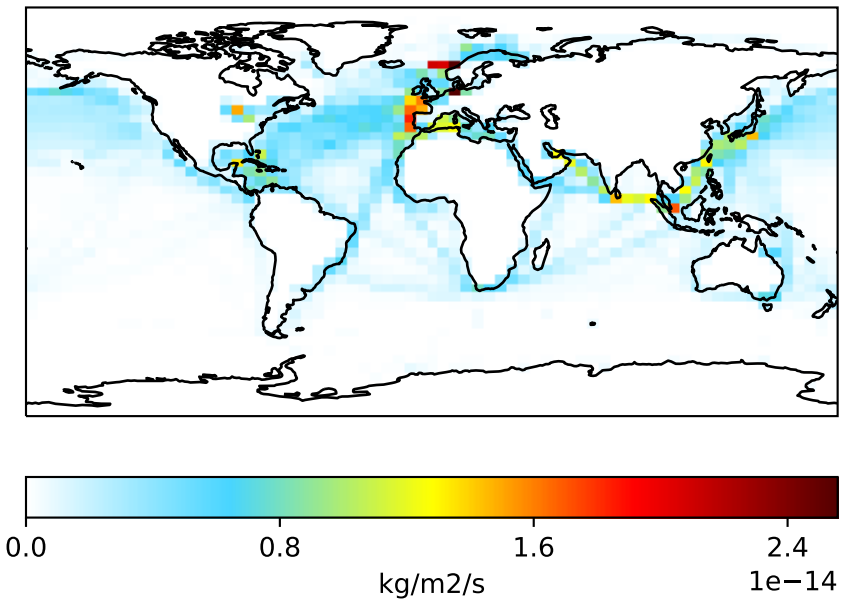
Ratio
Dev/Ref, Fixed Range



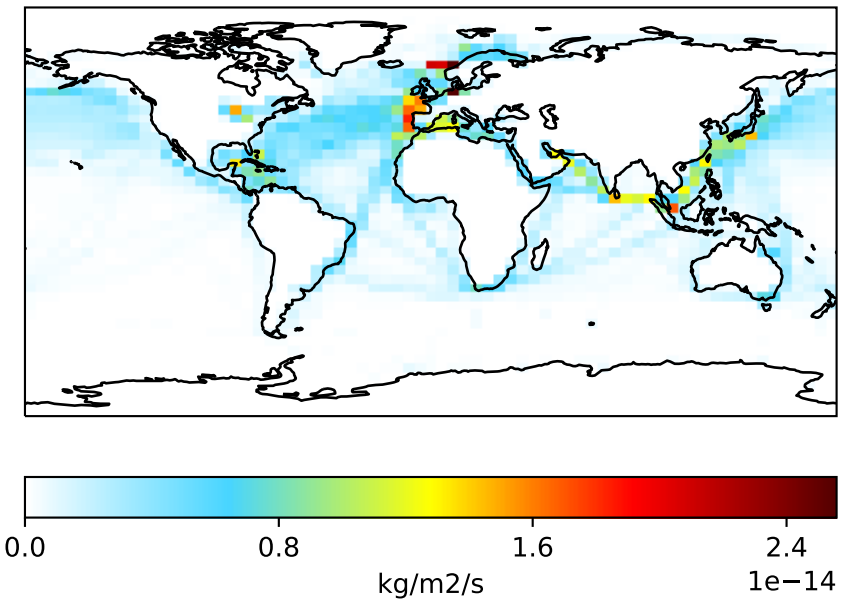
Undefined throughout domain
unitless

EmisNH3_Ship (Apr2019)

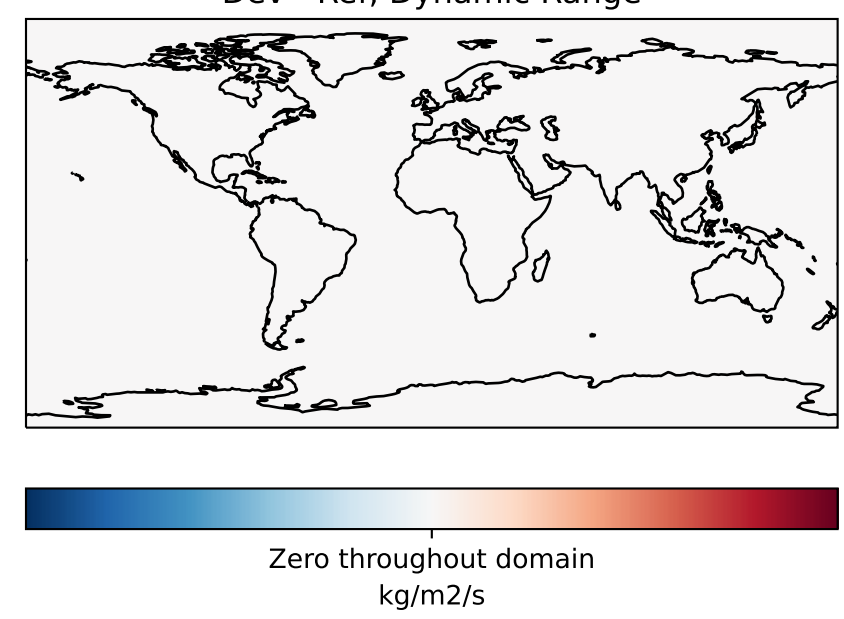
GCC_13.4.0-rc.4 (Ref)
4.0x5.0



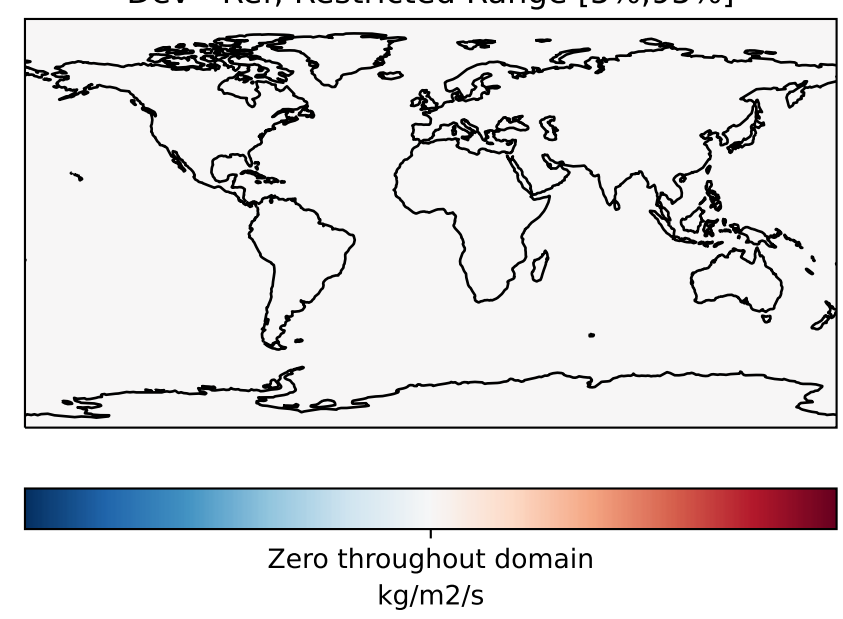
GCC_14.0.0-rc.3 (Dev)
4.0x5.0



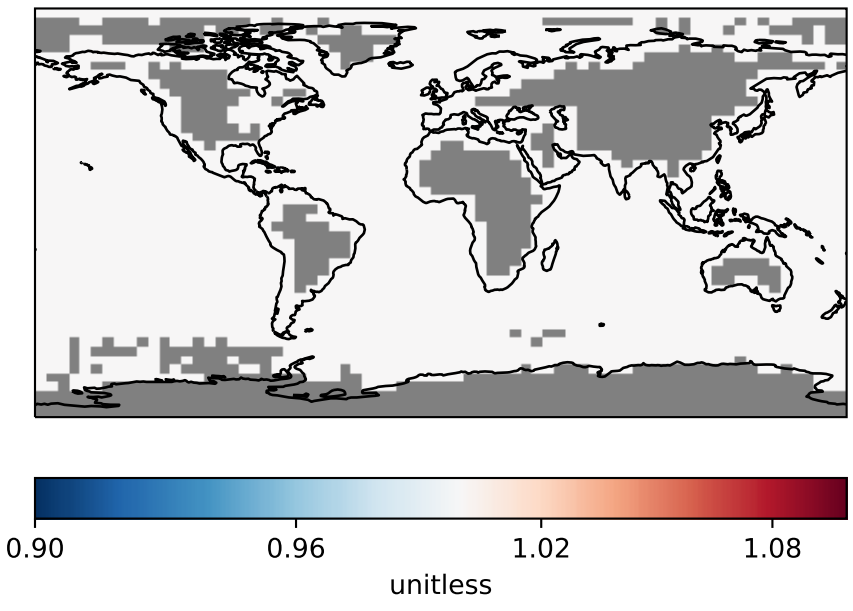
Difference
Dev - Ref, Dynamic Range



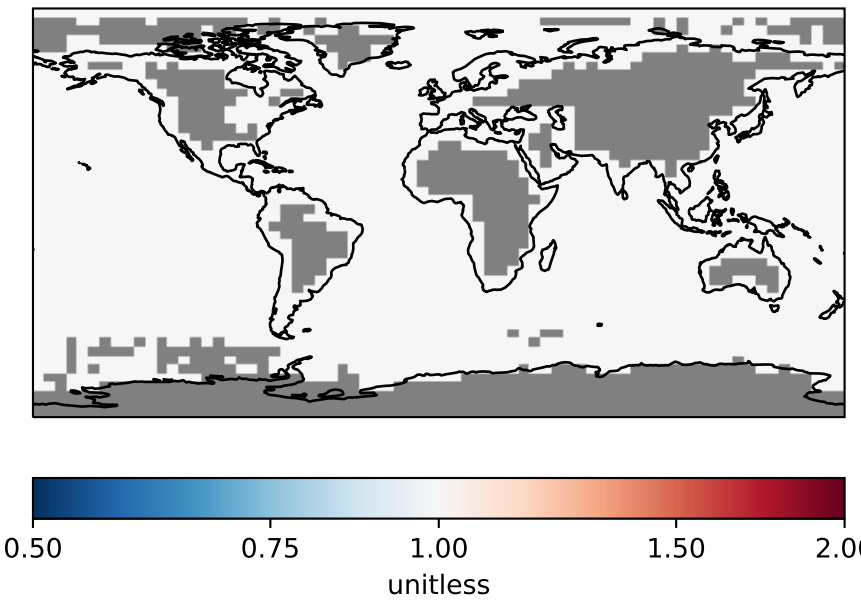
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

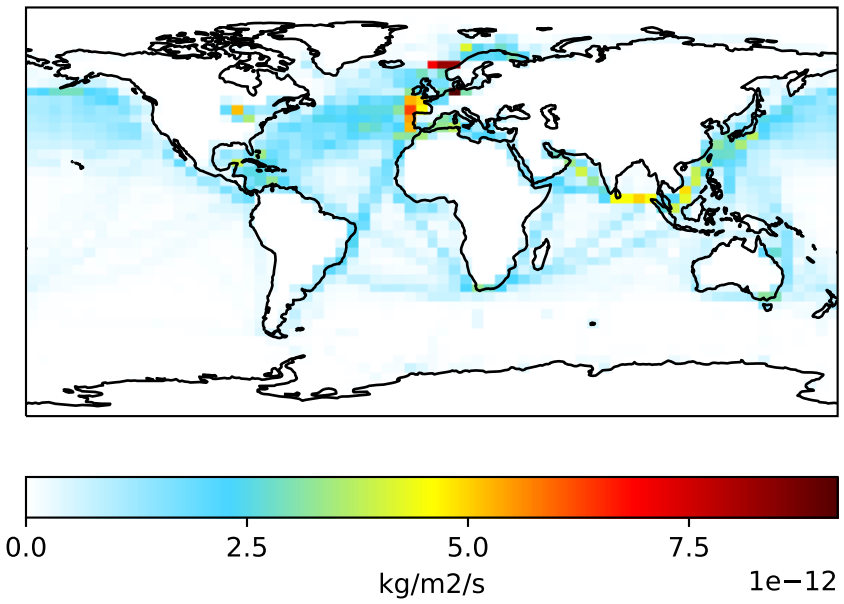


Ratio
Dev/Ref, Fixed Range

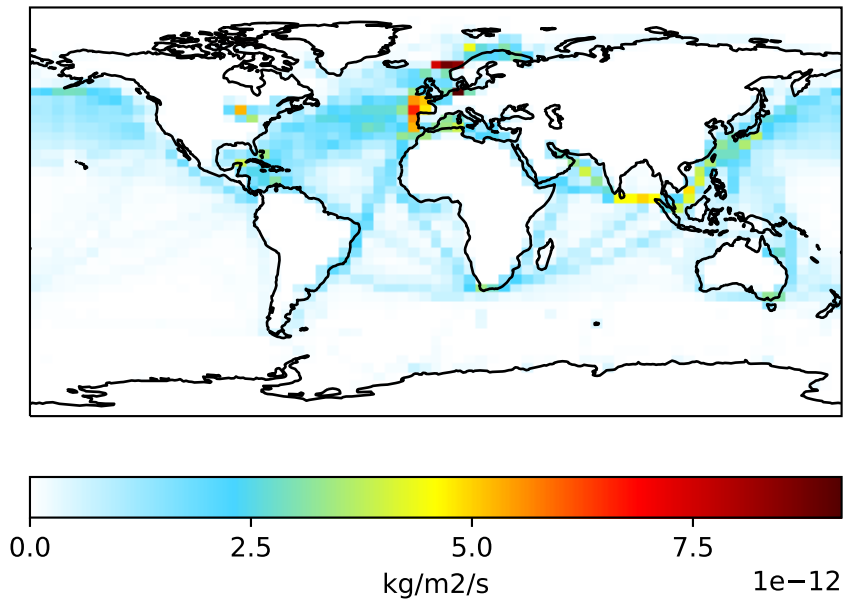


EmisNO2_Ship (Apr2019)

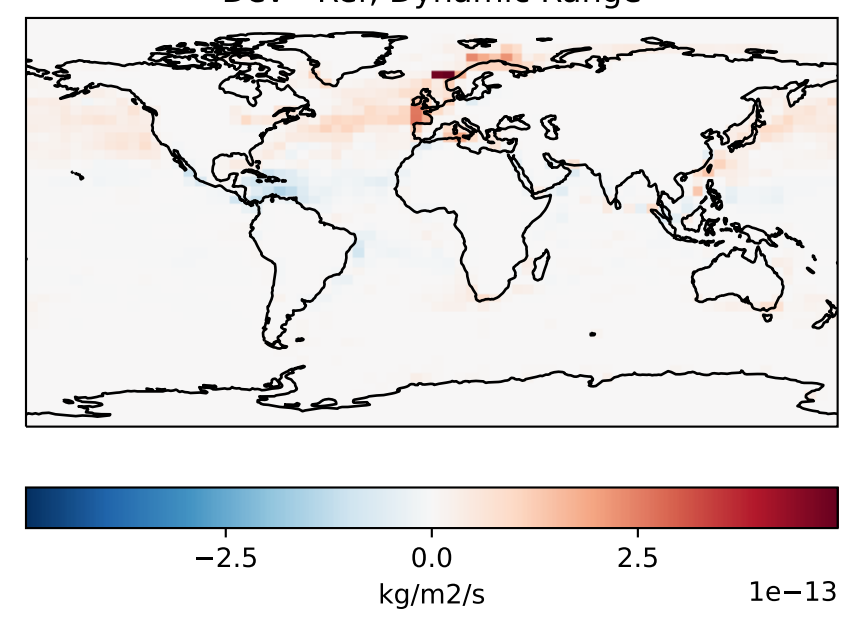
GCC_13.4.0-rc.4 (Ref)
4.0x5.0



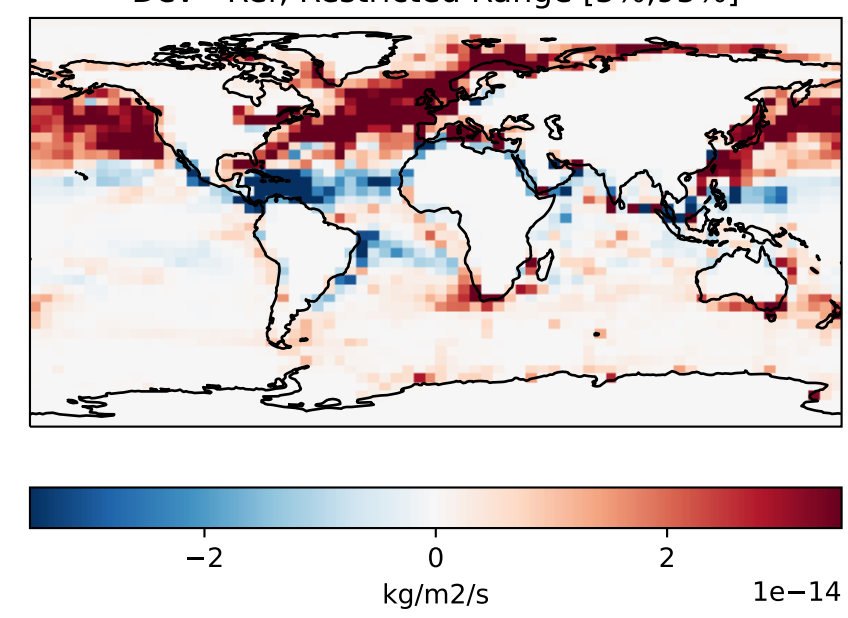
GCC_14.0.0-rc.3 (Dev)
4.0x5.0



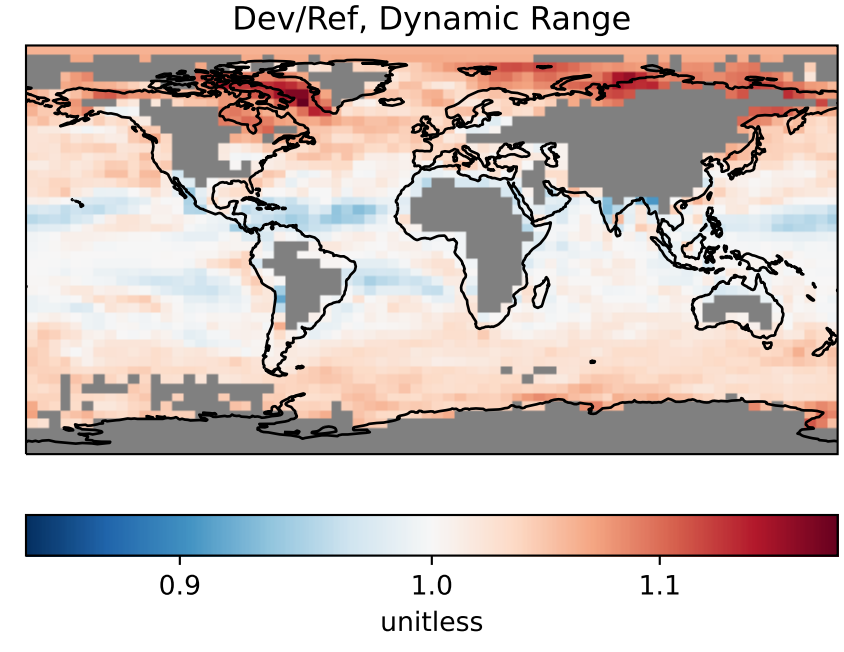
Difference
Dev - Ref, Dynamic Range



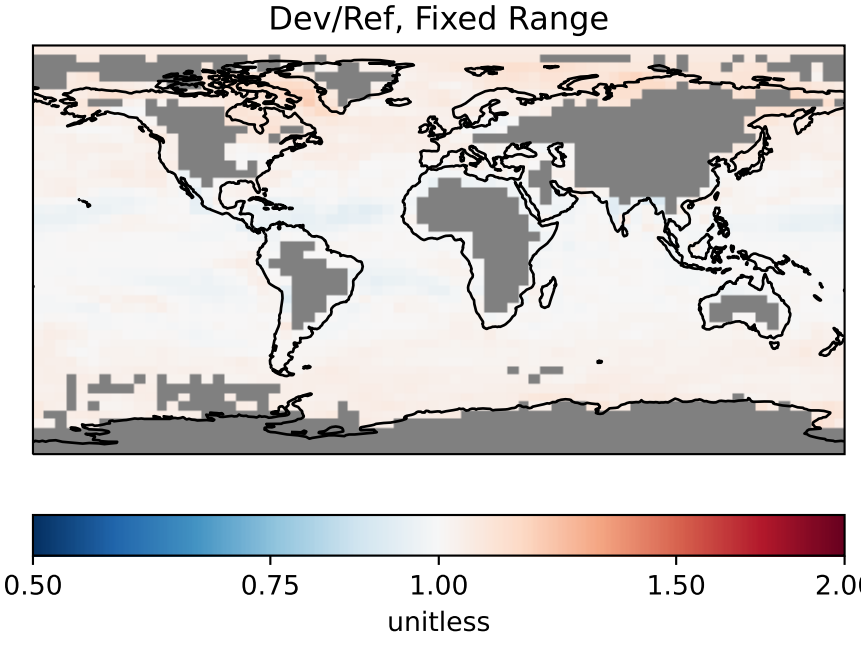
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

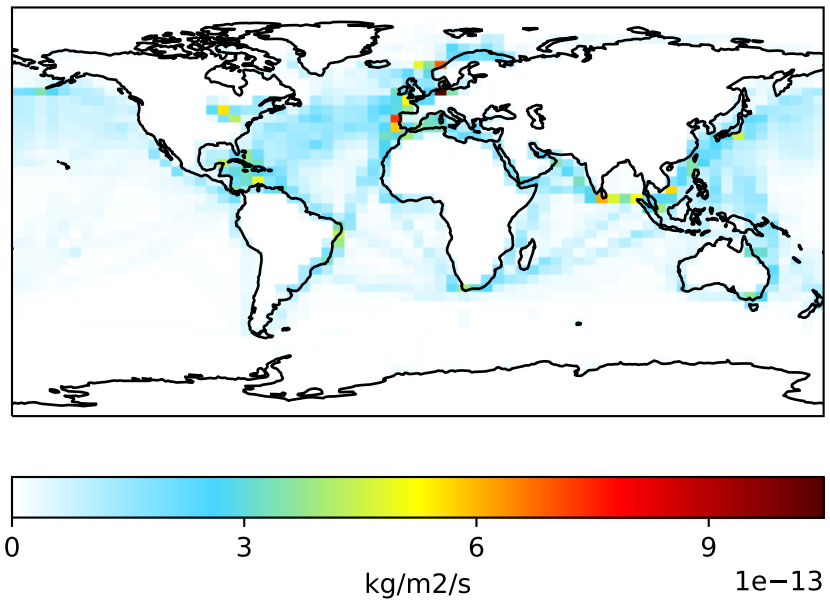


Ratio
Dev/Ref, Fixed Range

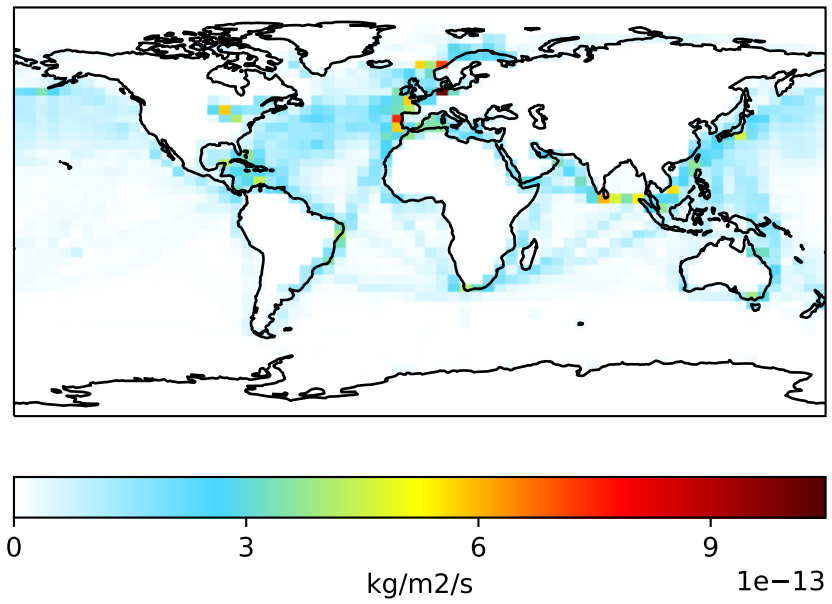


EmisNO_Ship (Apr2019)

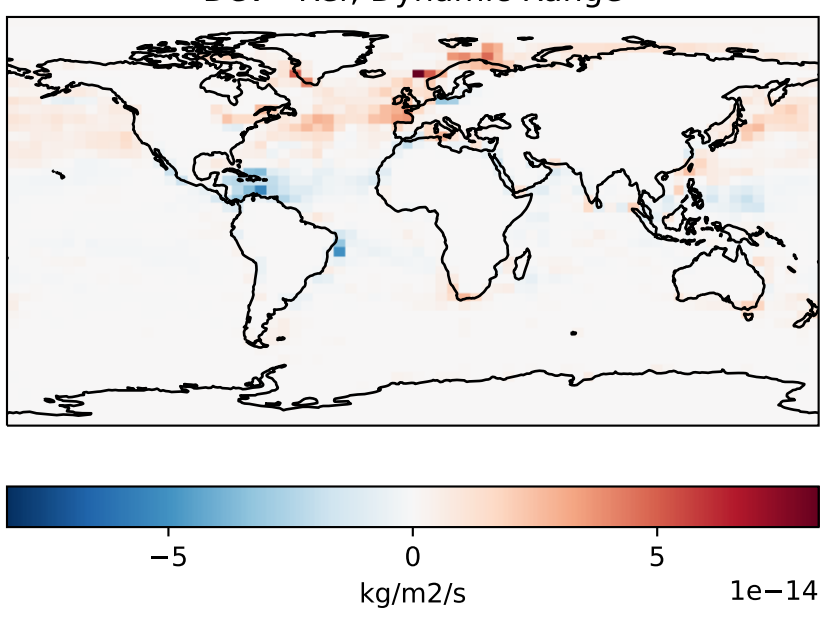
GCC_13.4.0-rc.4 (Ref)
4.0x5.0



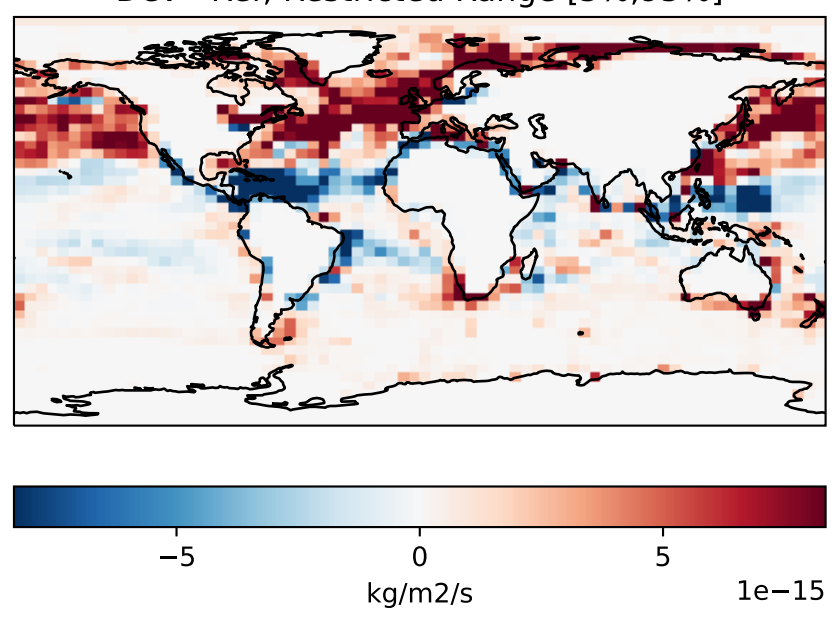
GCC_14.0.0-rc.3 (Dev)
4.0x5.0



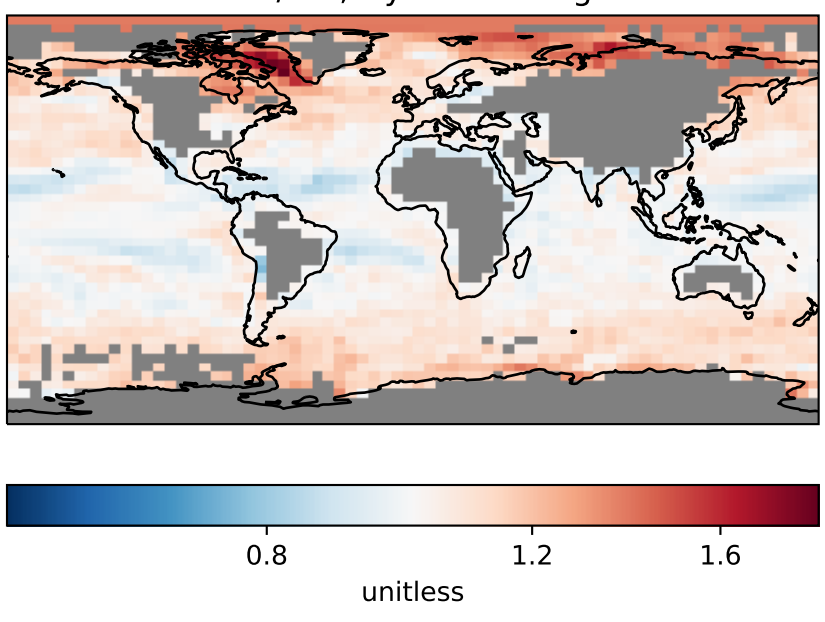
Difference
Dev - Ref, Dynamic Range



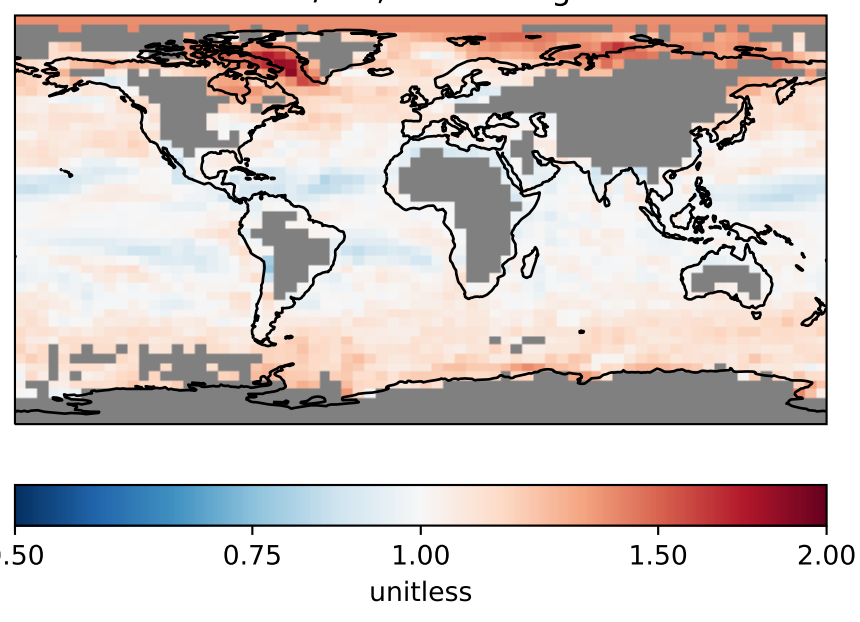
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

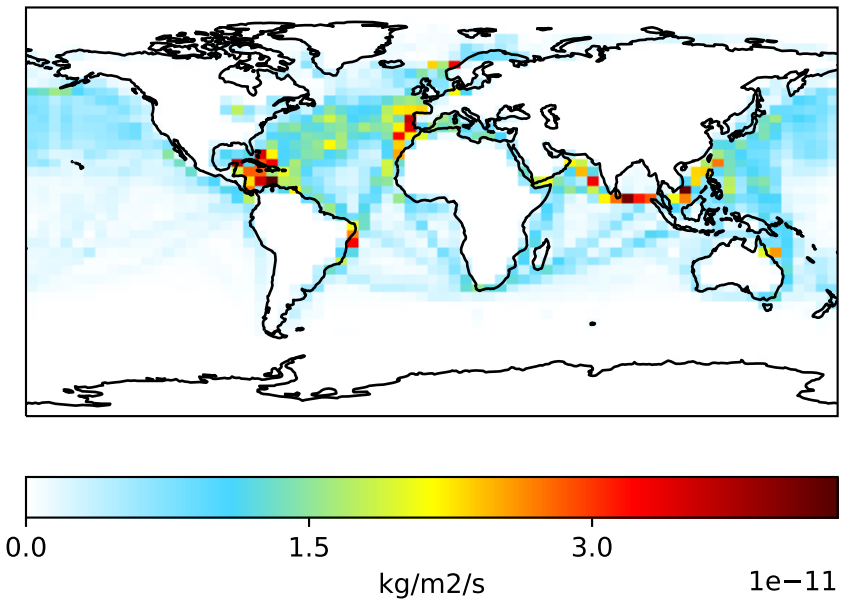


Ratio
Dev/Ref, Fixed Range

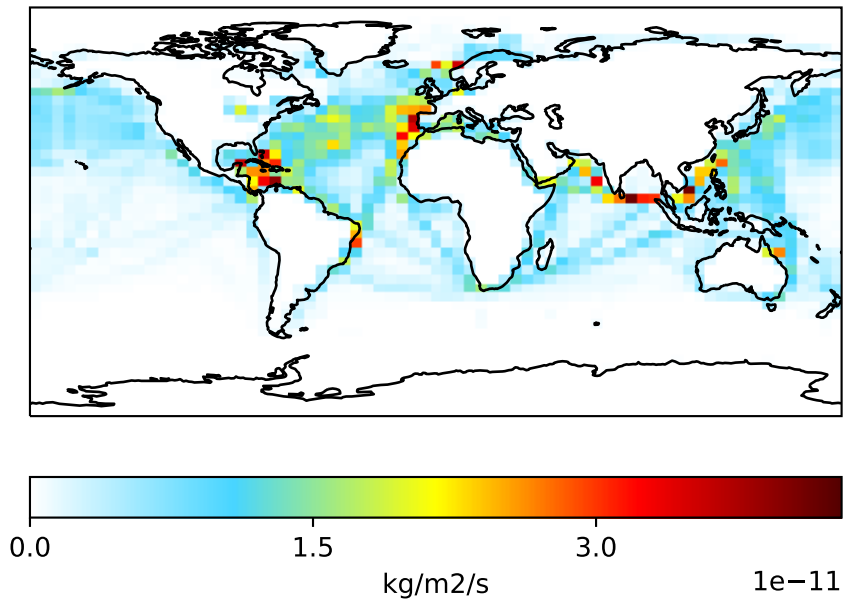


EmisO3_Ship (Apr2019)

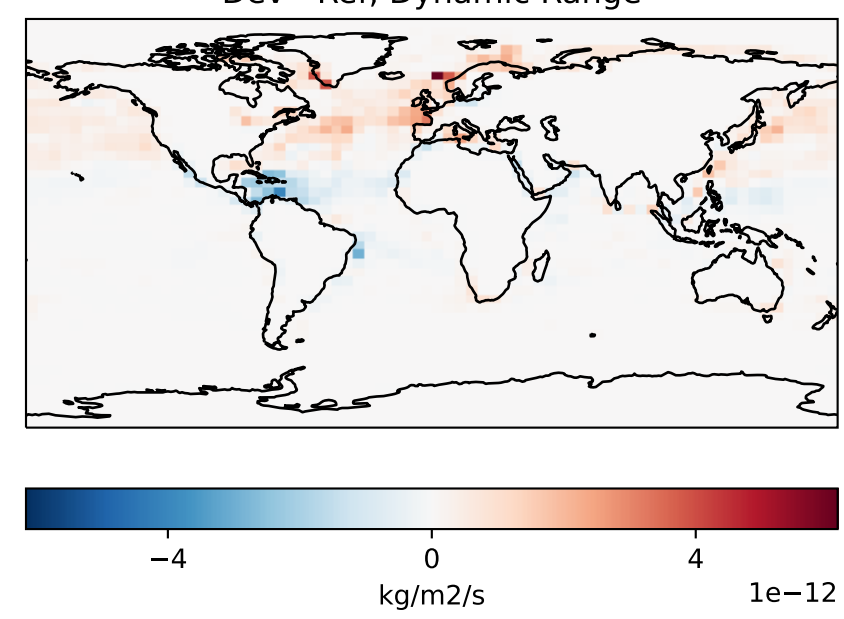
GCC_13.4.0-rc.4 (Ref)
4.0x5.0



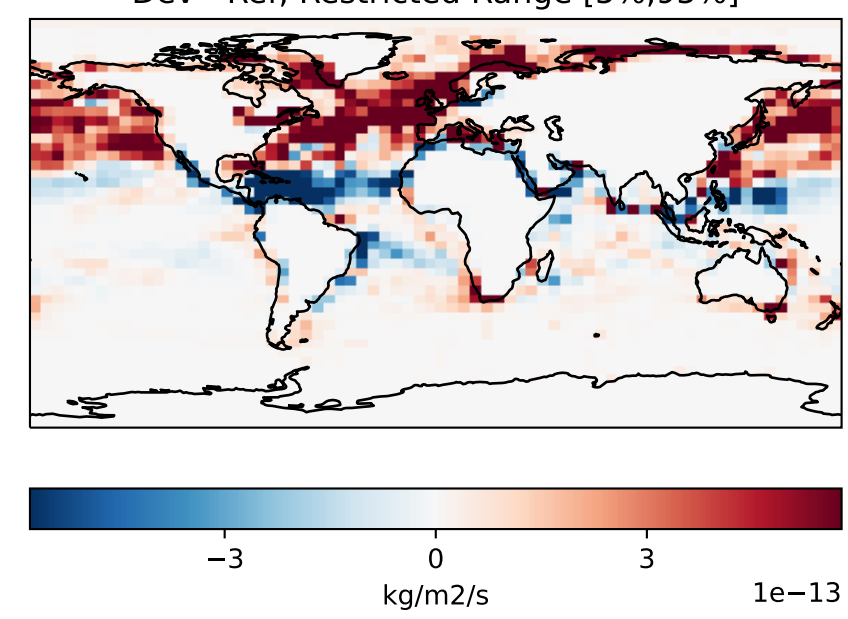
GCC_14.0.0-rc.3 (Dev)
4.0x5.0



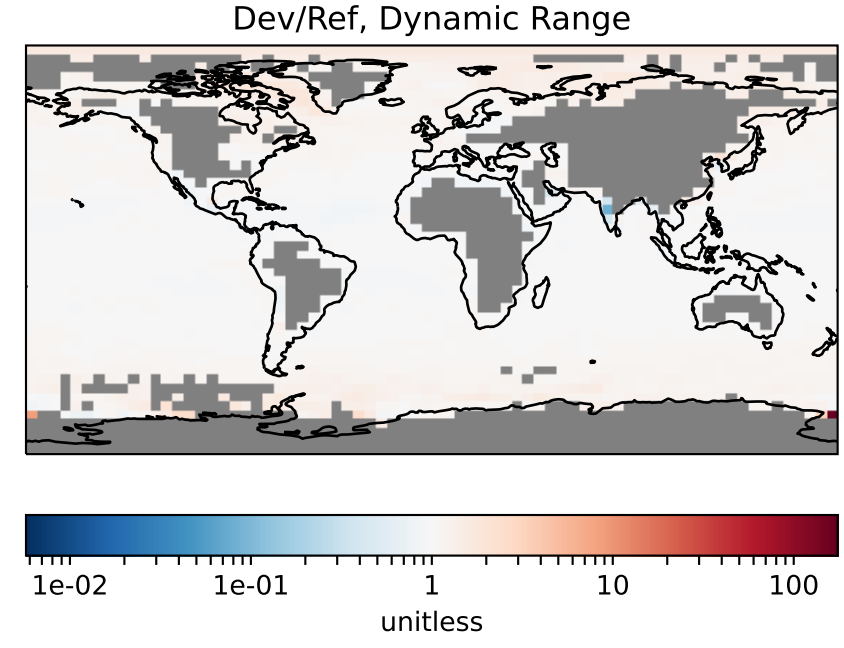
Difference
Dev - Ref, Dynamic Range



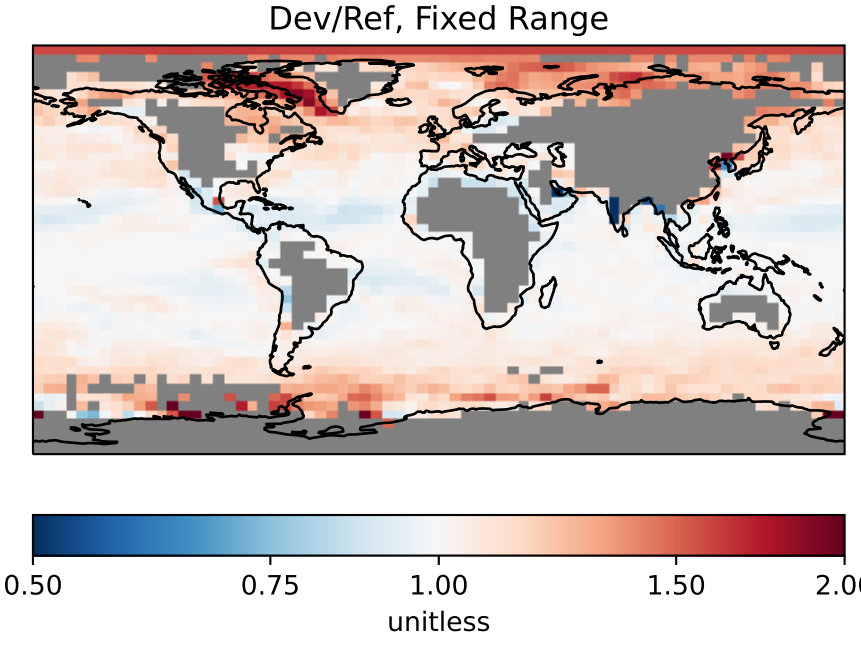
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

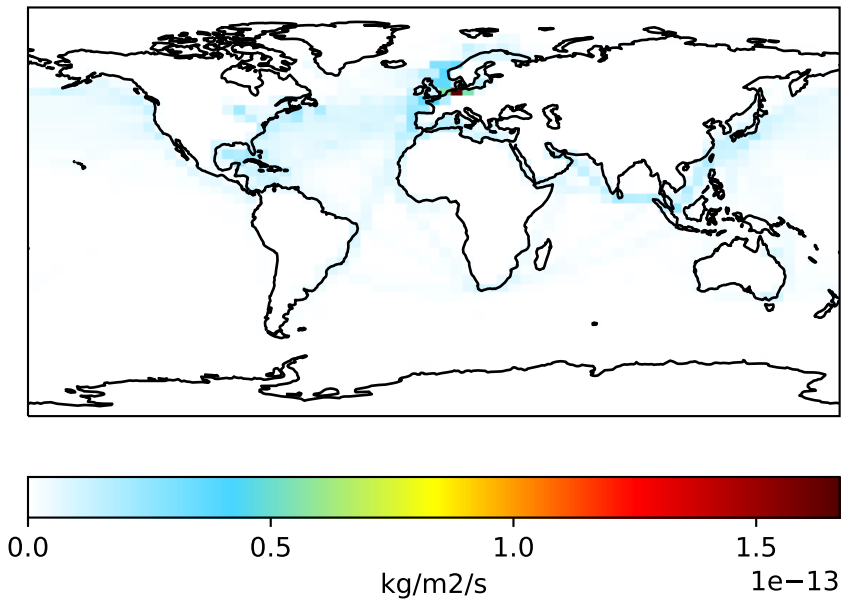


Ratio
Dev/Ref, Fixed Range

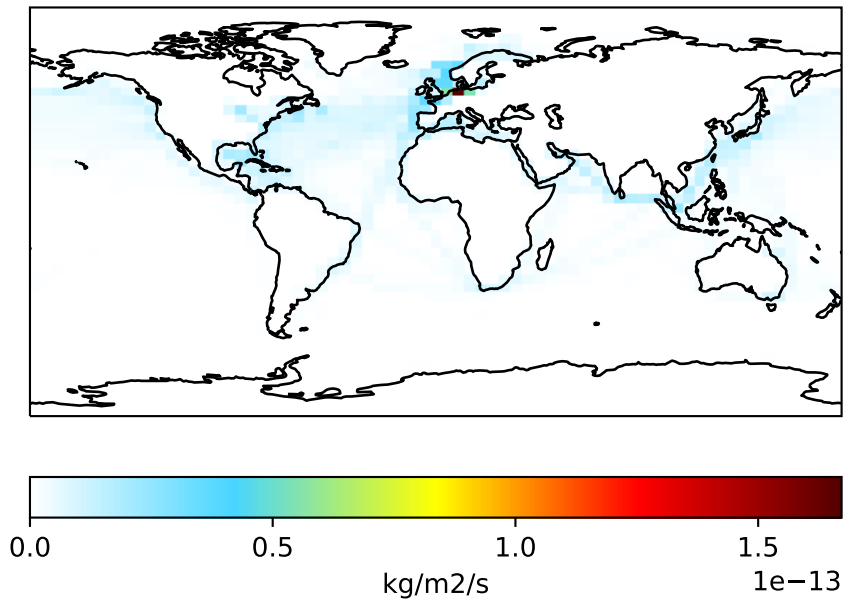


EmisOCPI_Ship (Apr2019)

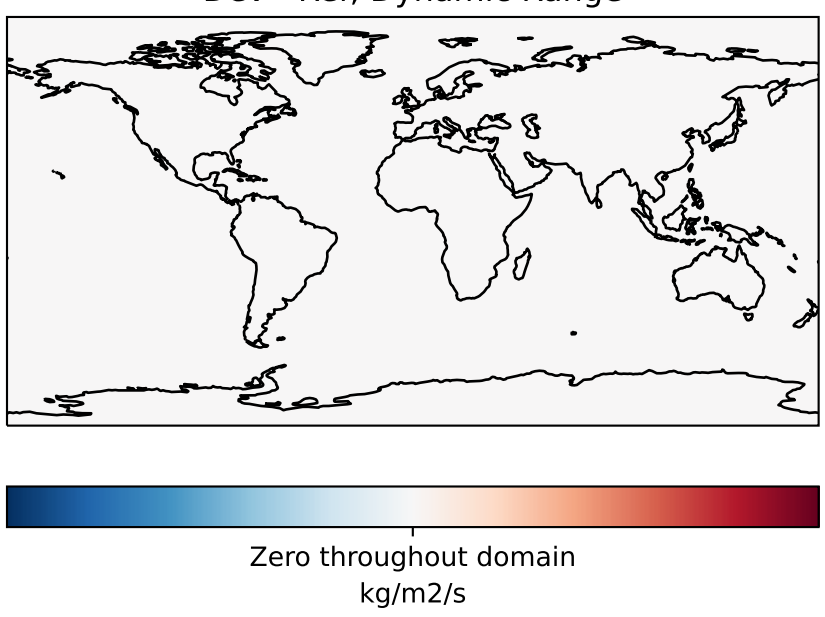
GCC_13.4.0-rc.4 (Ref)
4.0x5.0



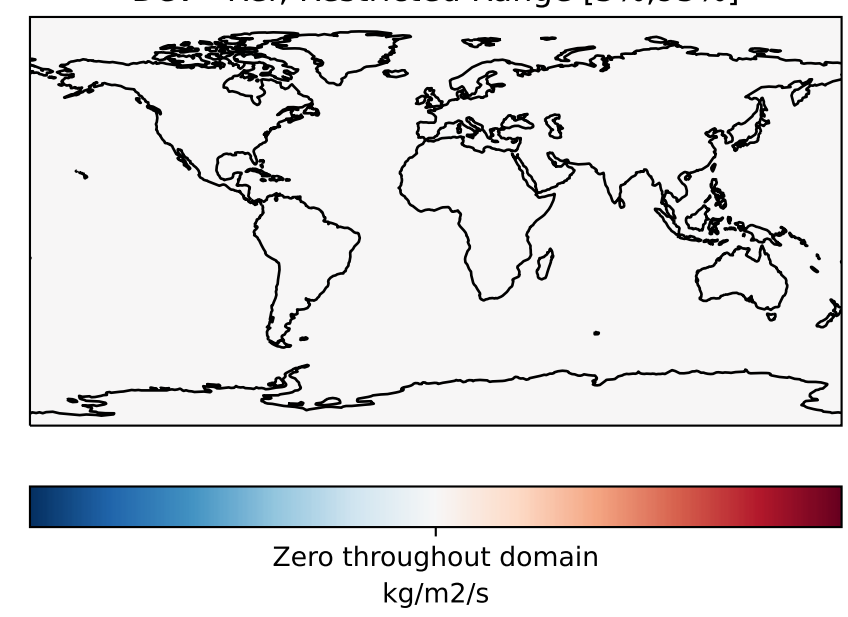
GCC_14.0.0-rc.3 (Dev)
4.0x5.0



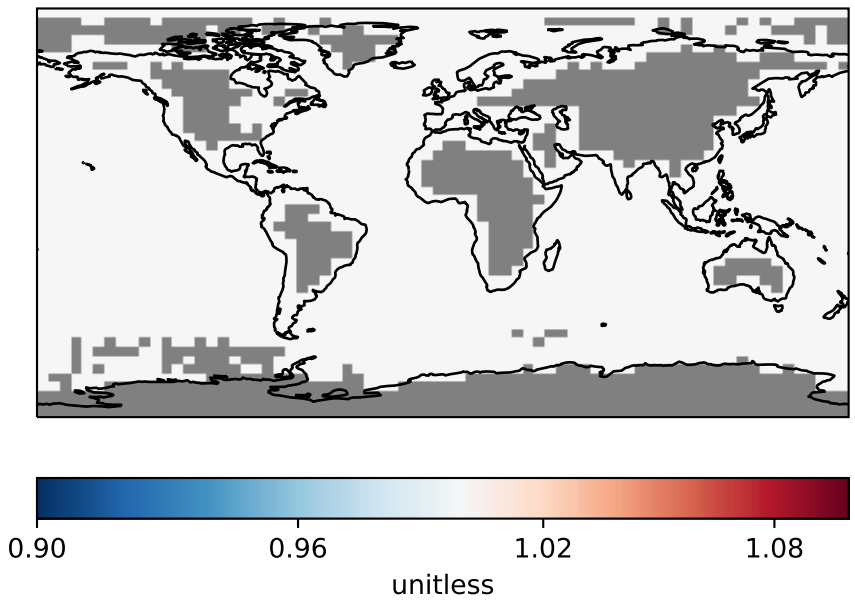
Difference
Dev - Ref, Dynamic Range



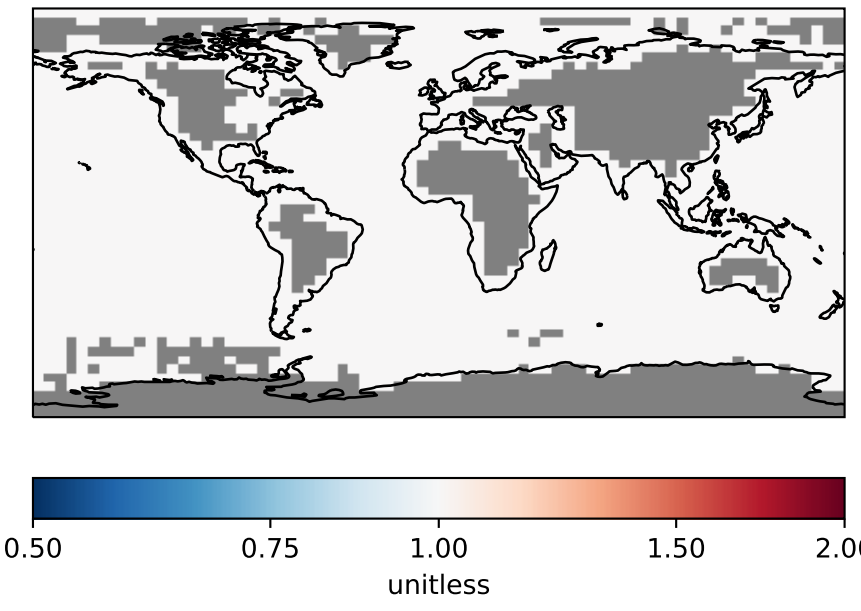
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

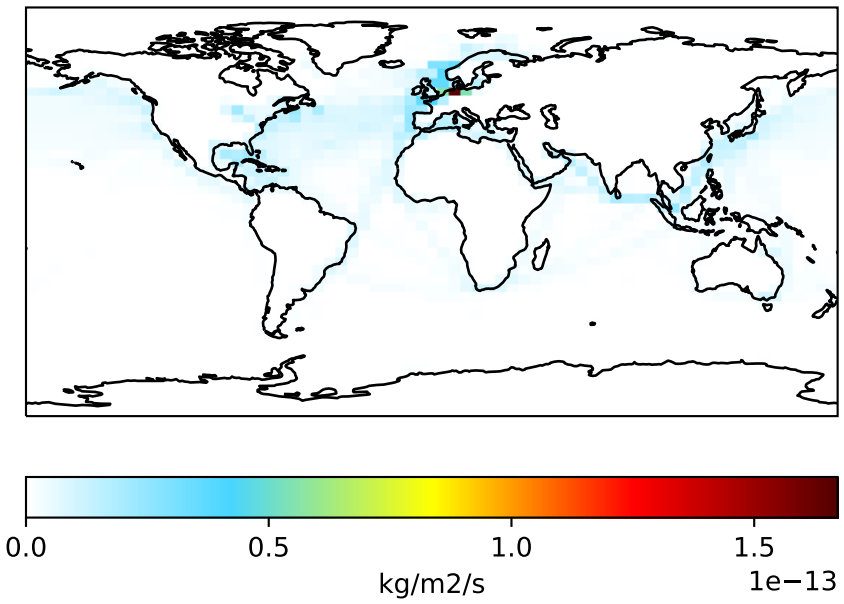


Ratio
Dev/Ref, Fixed Range

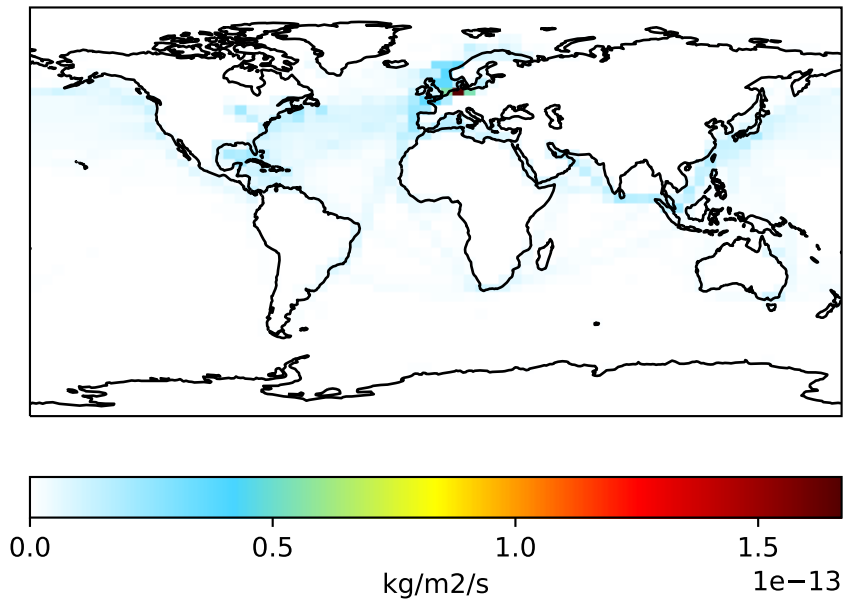


EmisOCPO_Ship (Apr2019)

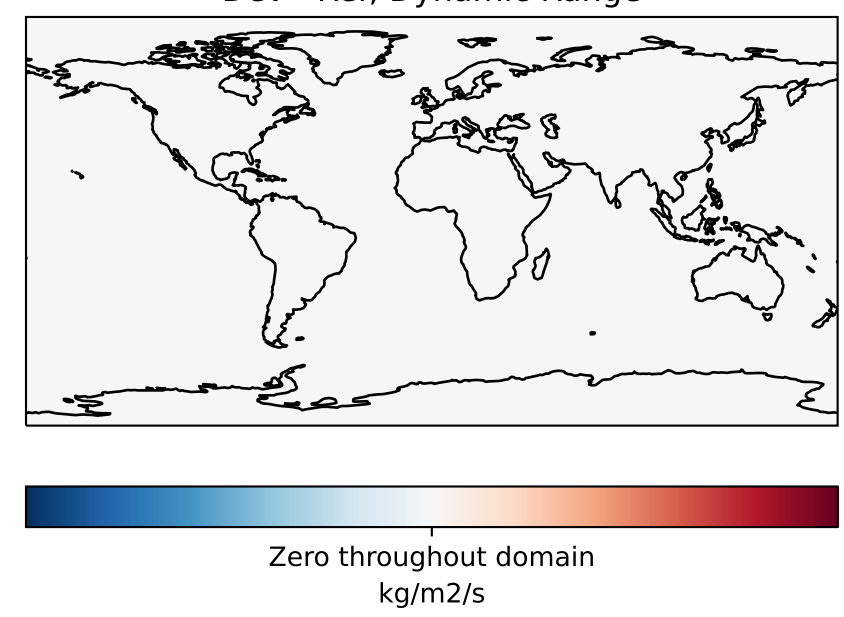
GCC_13.4.0-rc.4 (Ref)
4.0x5.0



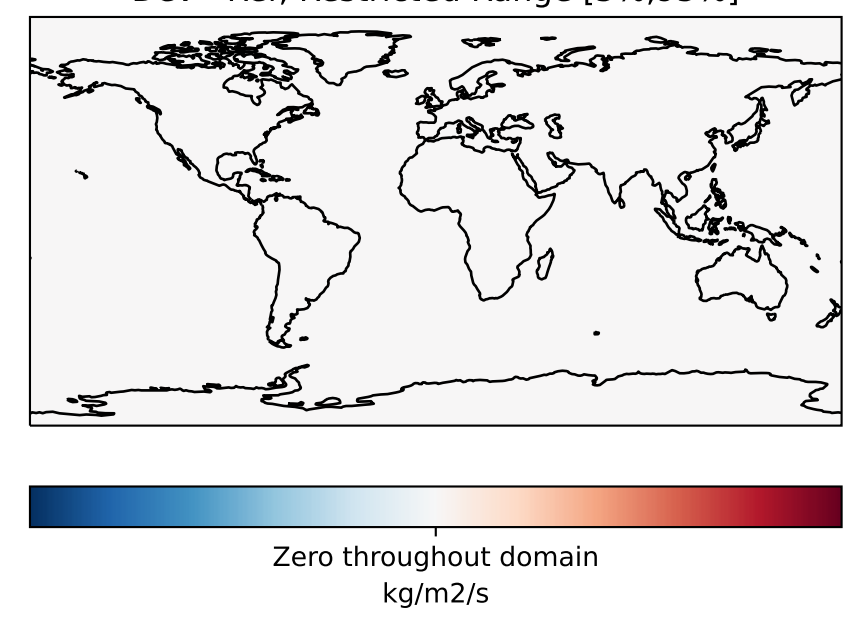
GCC_14.0.0-rc.3 (Dev)
4.0x5.0



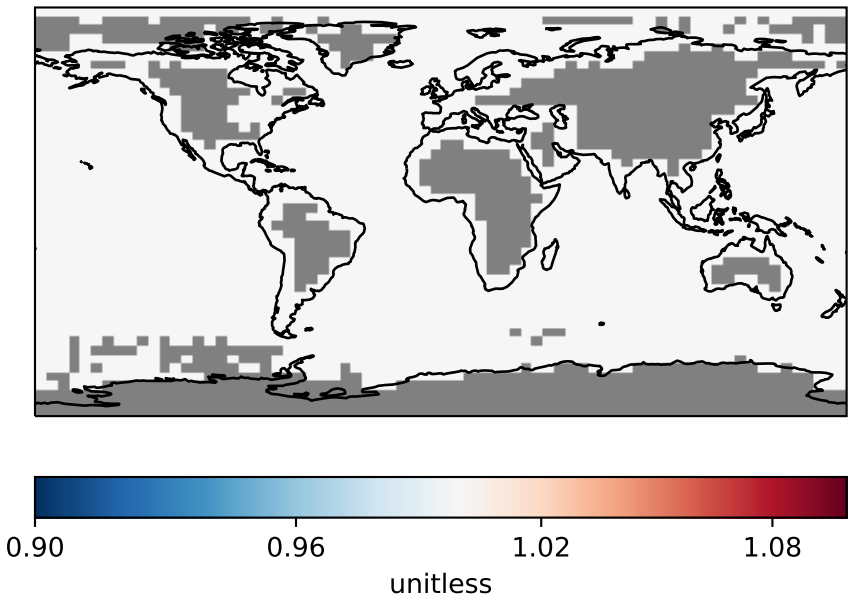
Difference
Dev - Ref, Dynamic Range



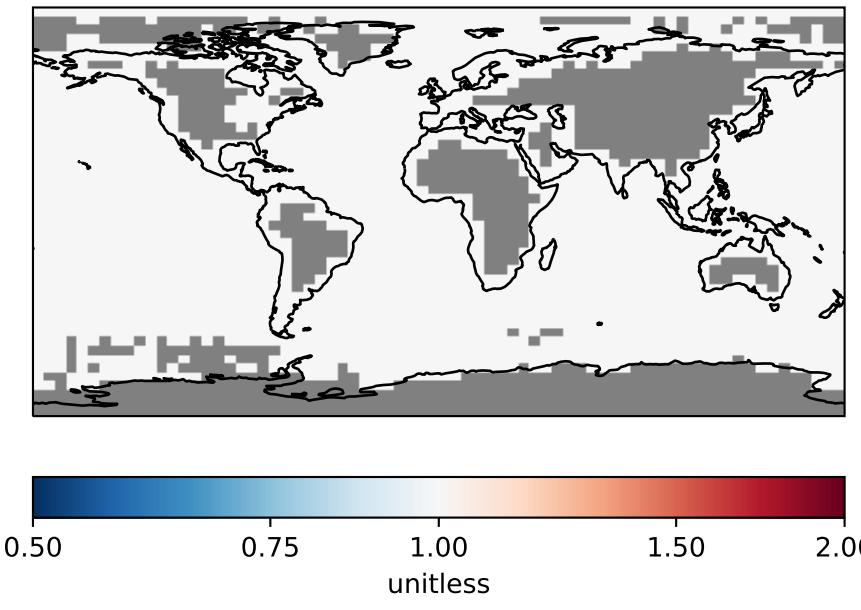
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

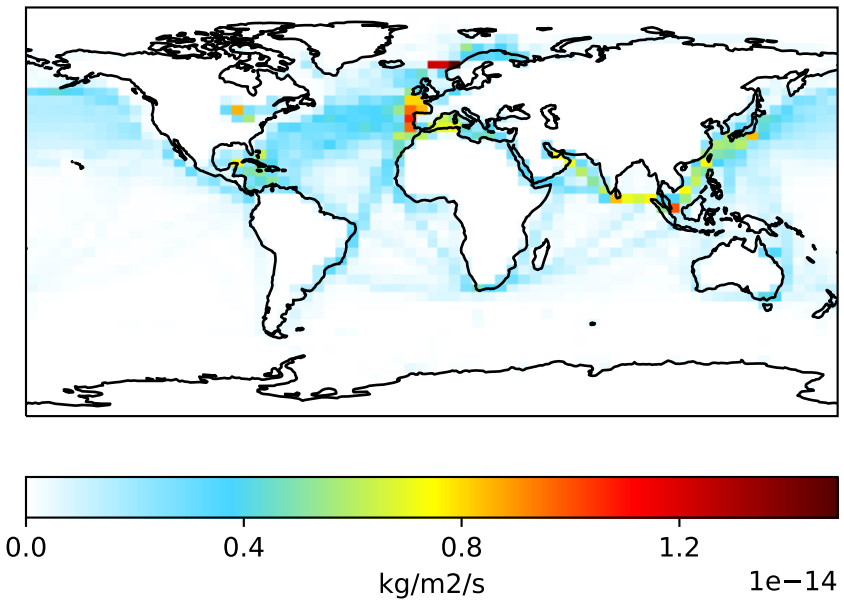


Ratio
Dev/Ref, Fixed Range

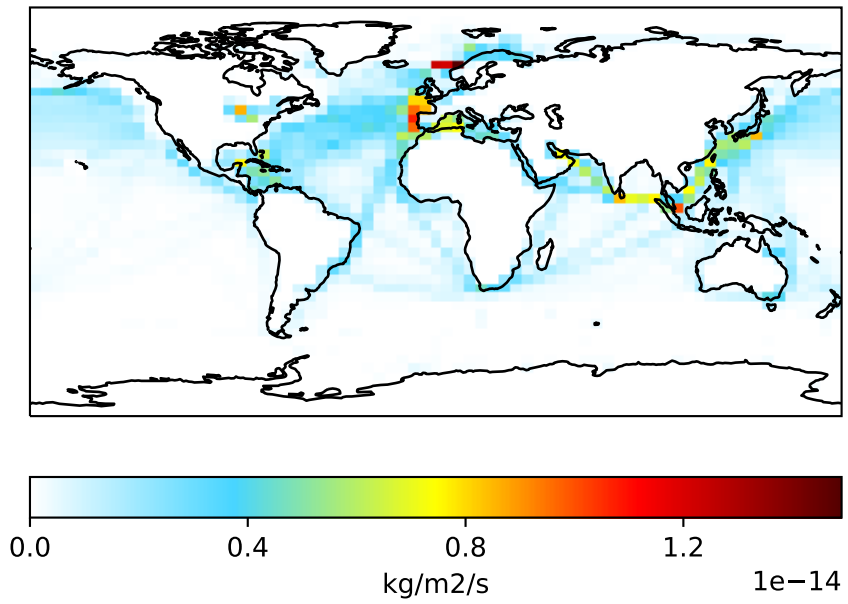


EmispFe_Ship (Apr2019)

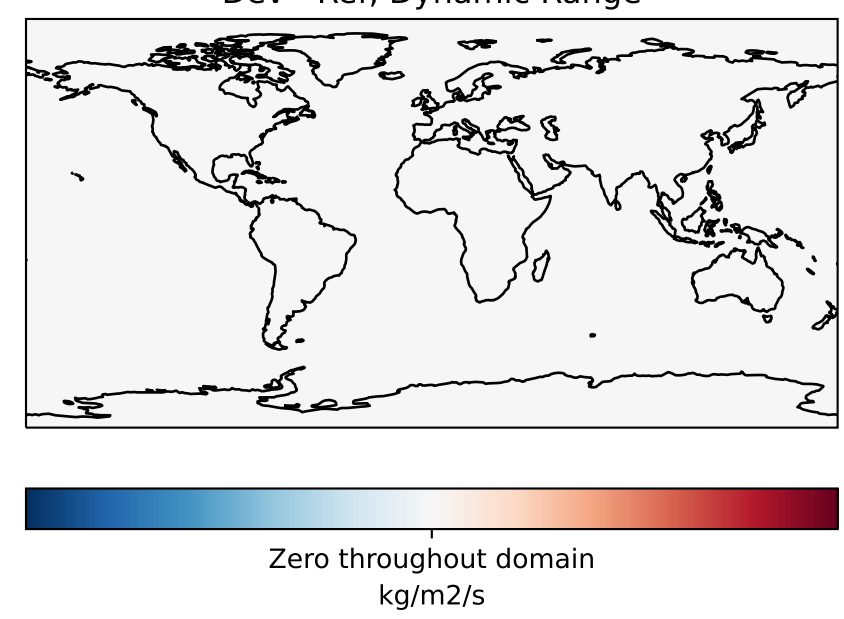
GCC_13.4.0-rc.4 (Ref)
4.0x5.0



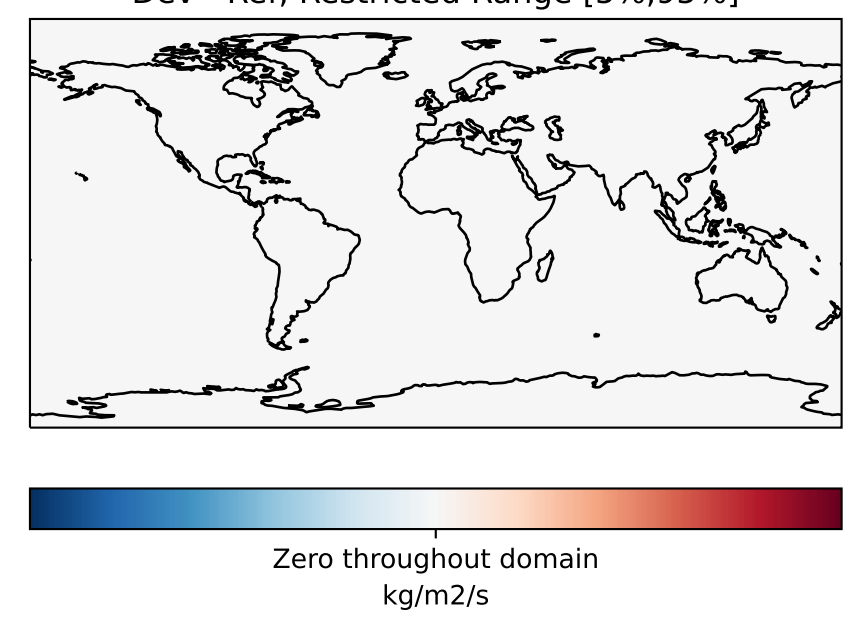
GCC_14.0.0-rc.3 (Dev)
4.0x5.0



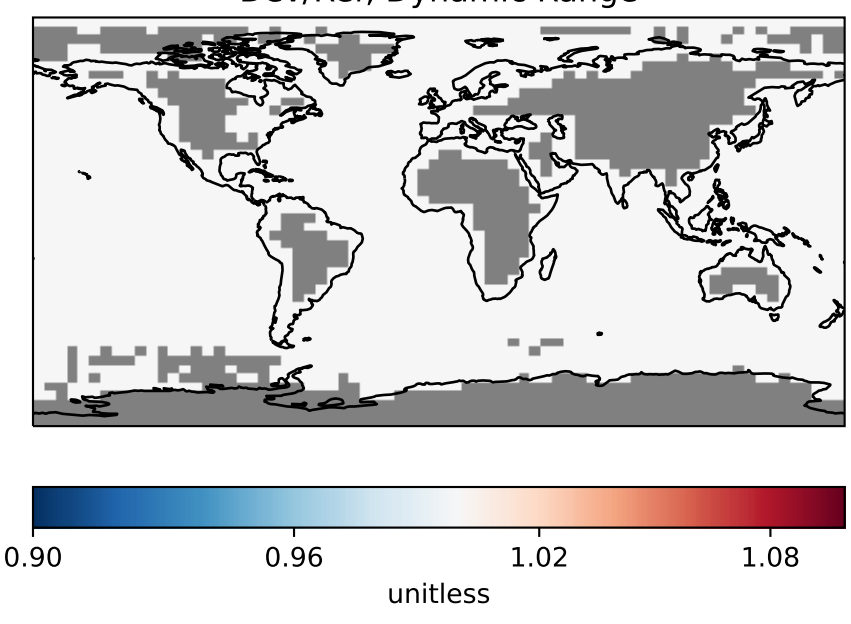
Difference
Dev - Ref, Dynamic Range



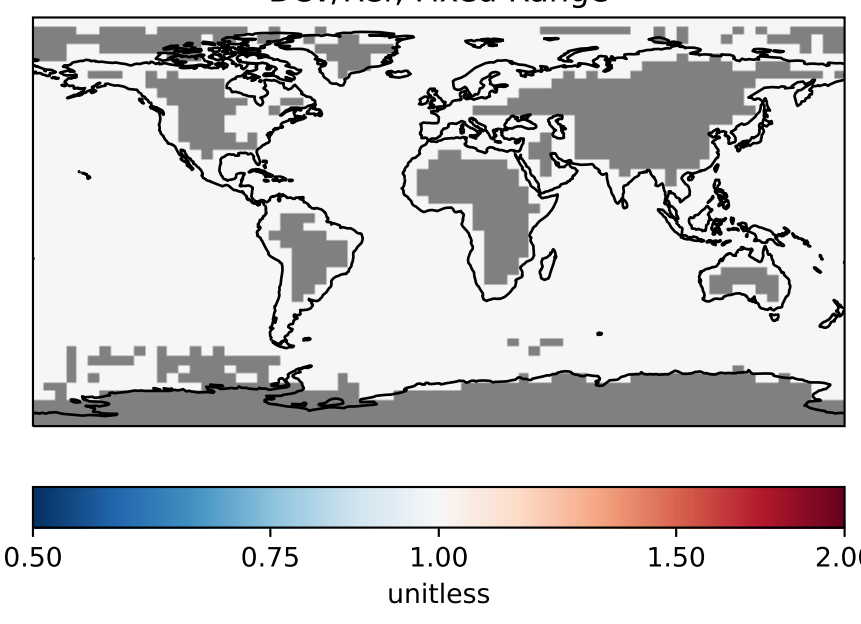
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

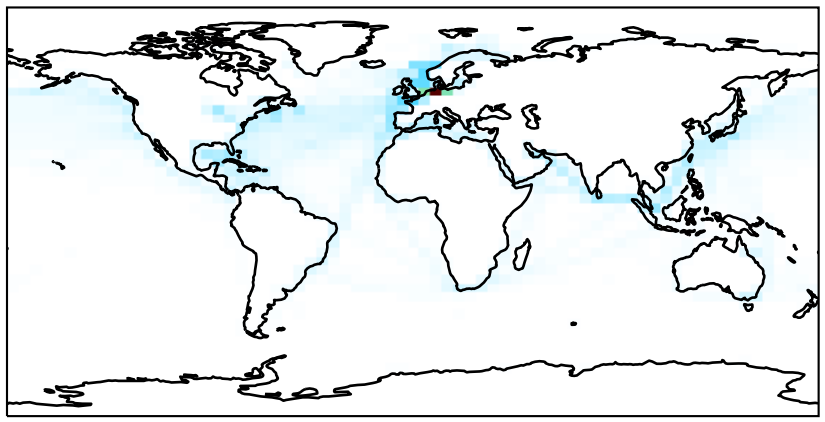


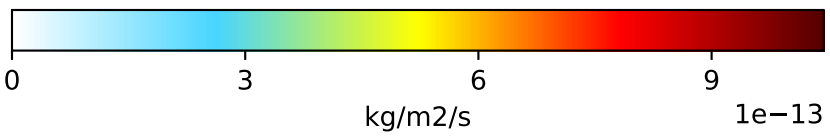
Ratio
Dev/Ref, Fixed Range



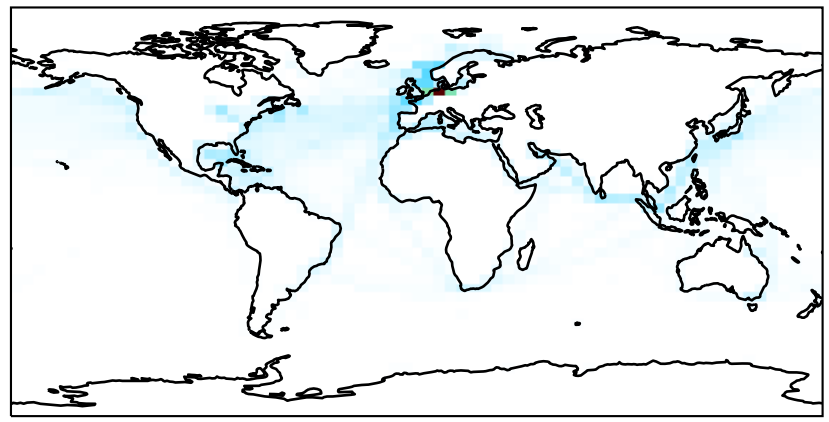
EmisPRPE_Ship (Apr2019)

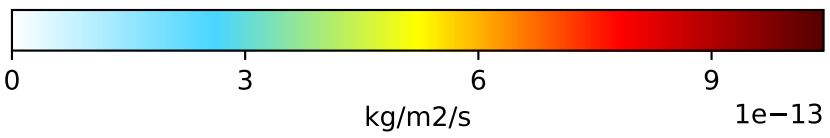
GCC_13.4.0-rc.4 (Ref)
4.0x5.0



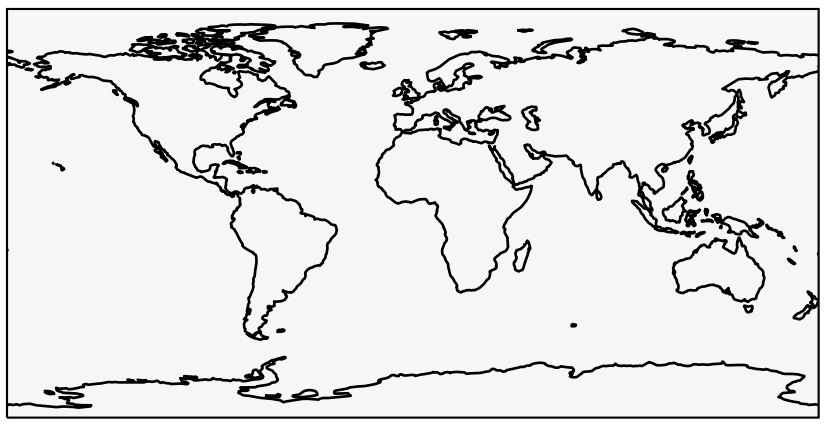


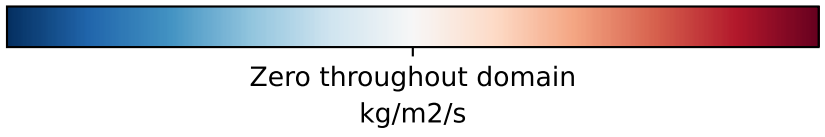
GCC_14.0.0-rc.3 (Dev)
4.0x5.0



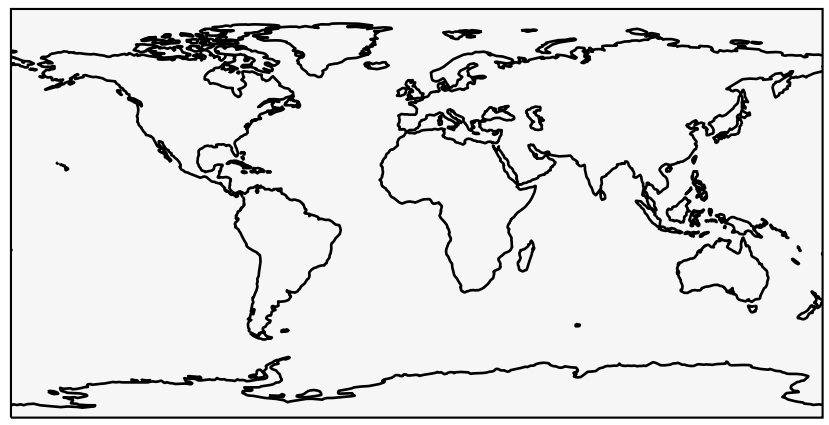


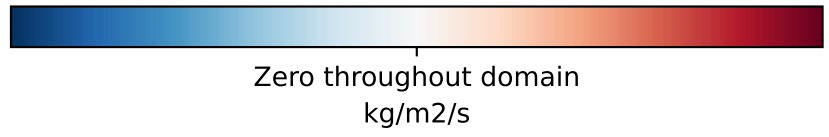
Difference
Dev - Ref, Dynamic Range



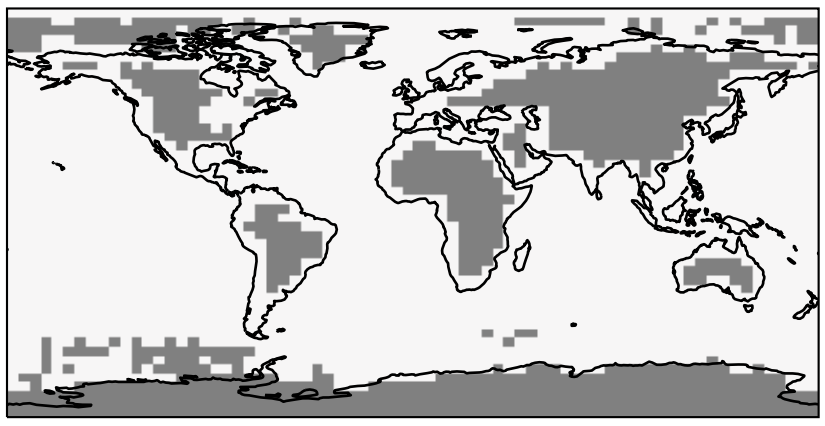


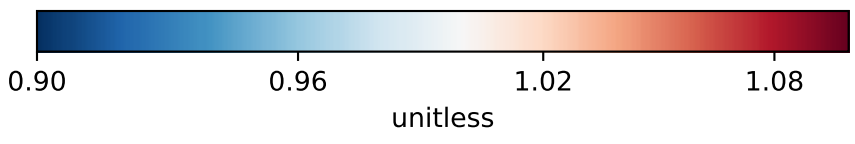
Difference
Dev - Ref, Restricted Range [5%,95%]



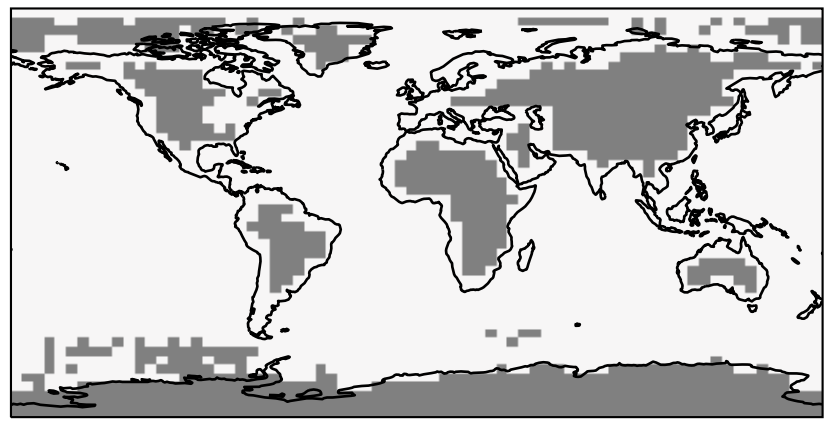


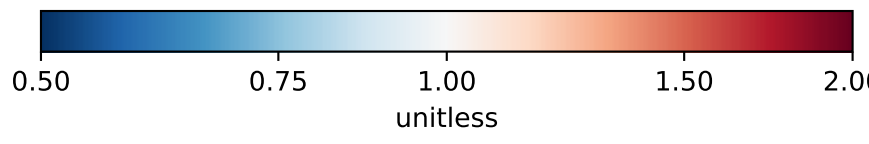
Ratio
Dev/Ref, Dynamic Range





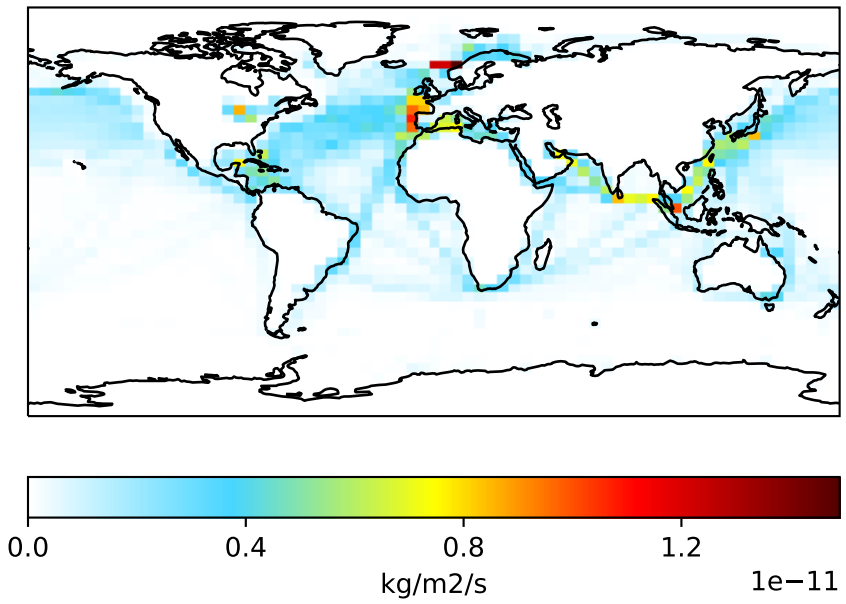
Ratio
Dev/Ref, Fixed Range



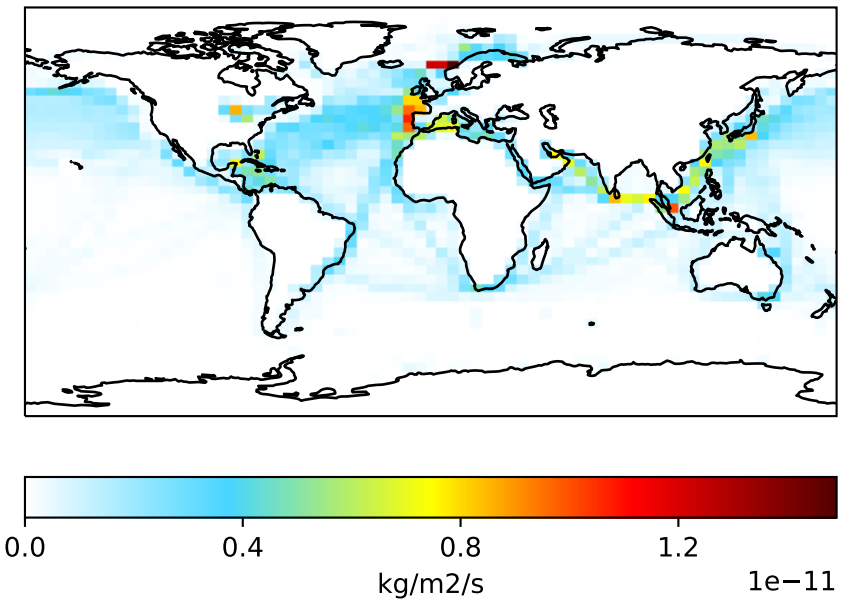


EmisSO2_Ship (Apr2019)

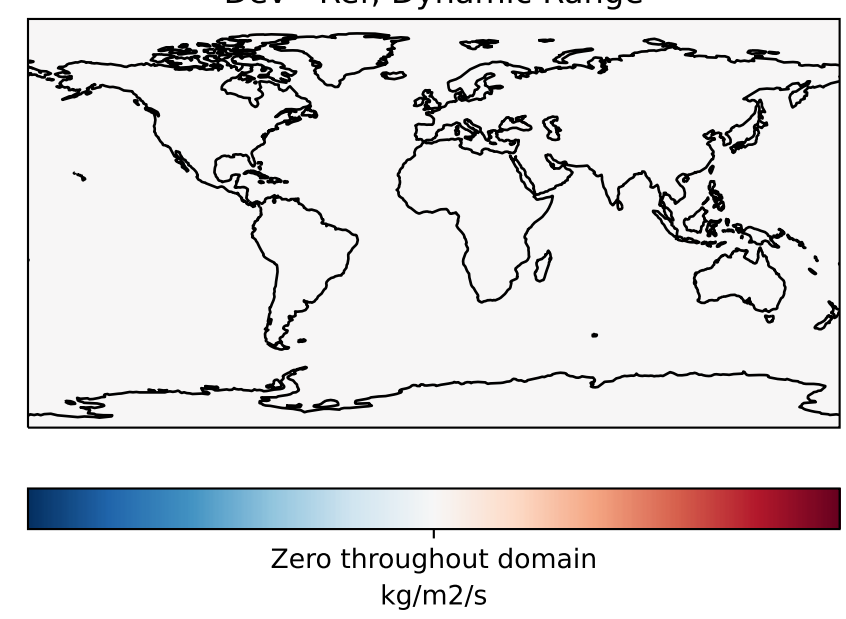
GCC_13.4.0-rc.4 (Ref)
4.0x5.0



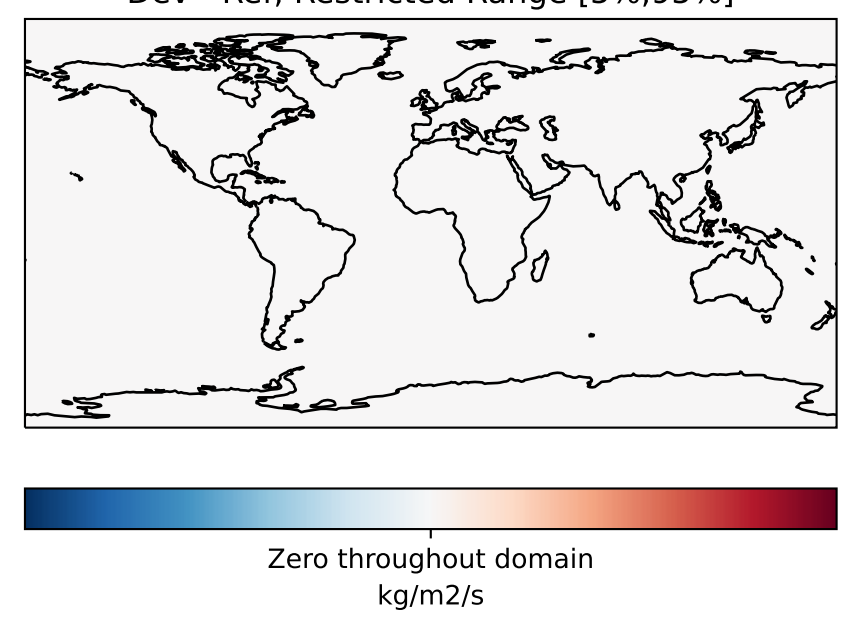
GCC_14.0.0-rc.3 (Dev)
4.0x5.0



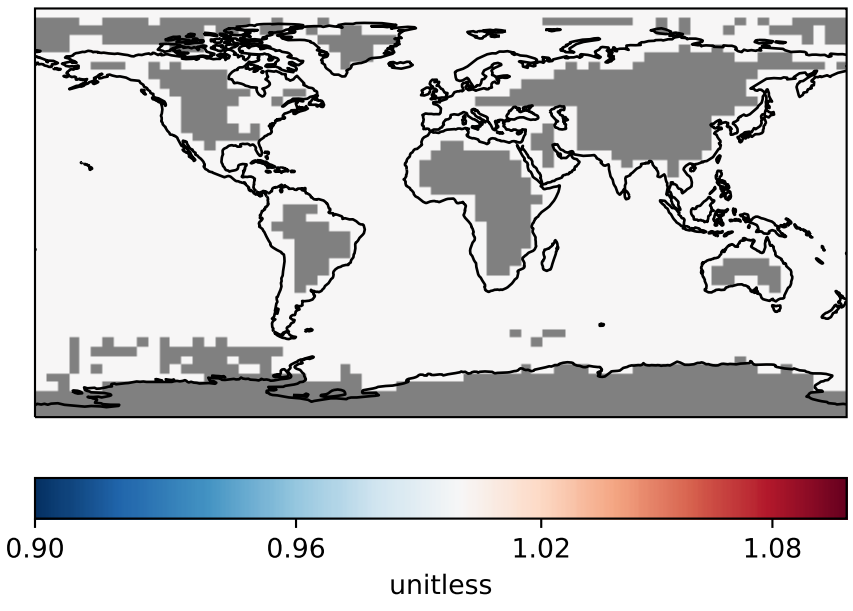
Difference
Dev - Ref, Dynamic Range



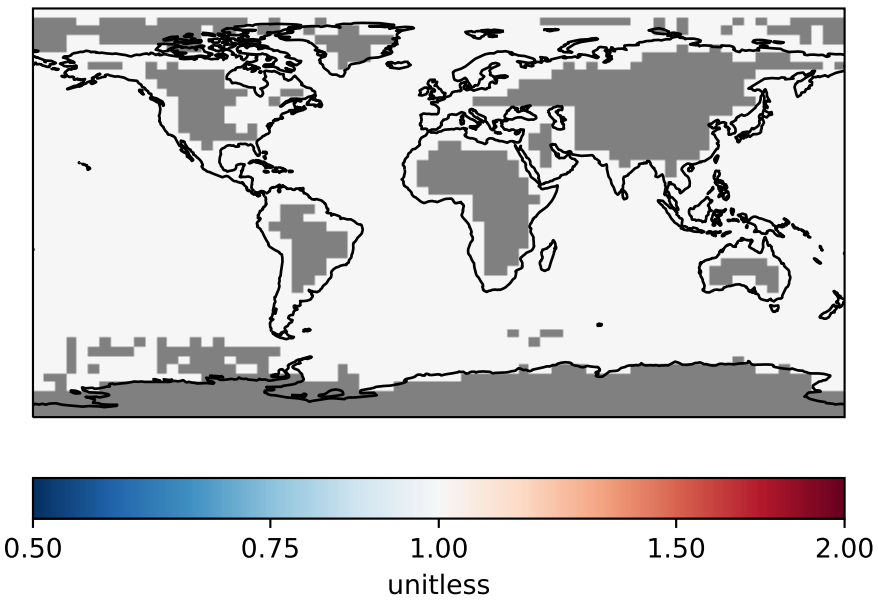
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

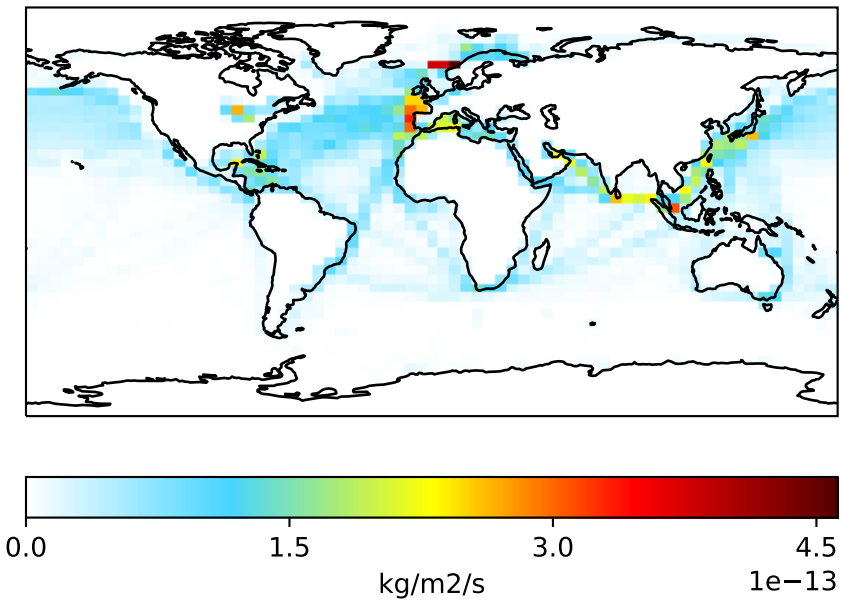


Ratio
Dev/Ref, Fixed Range

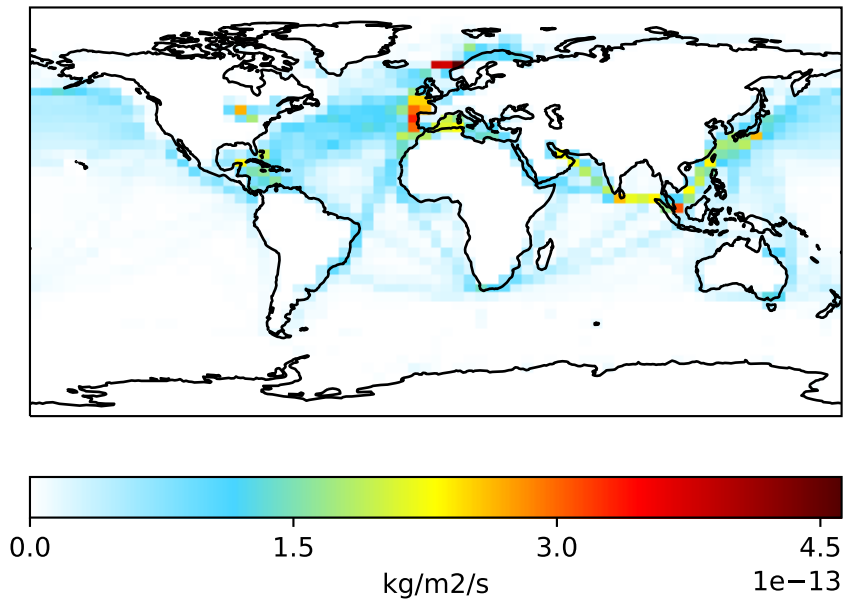


EmisSO4_Ship (Apr2019)

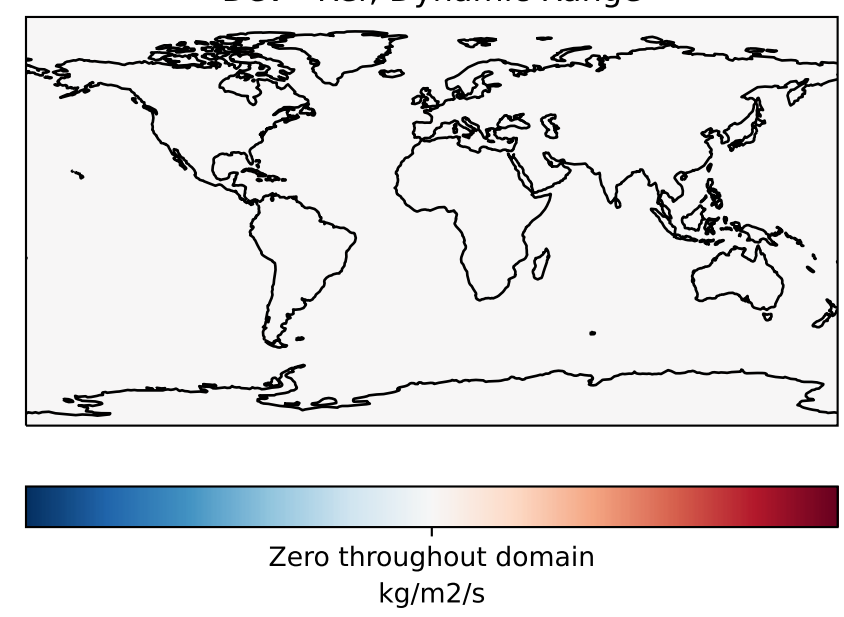
GCC_13.4.0-rc.4 (Ref)
4.0x5.0



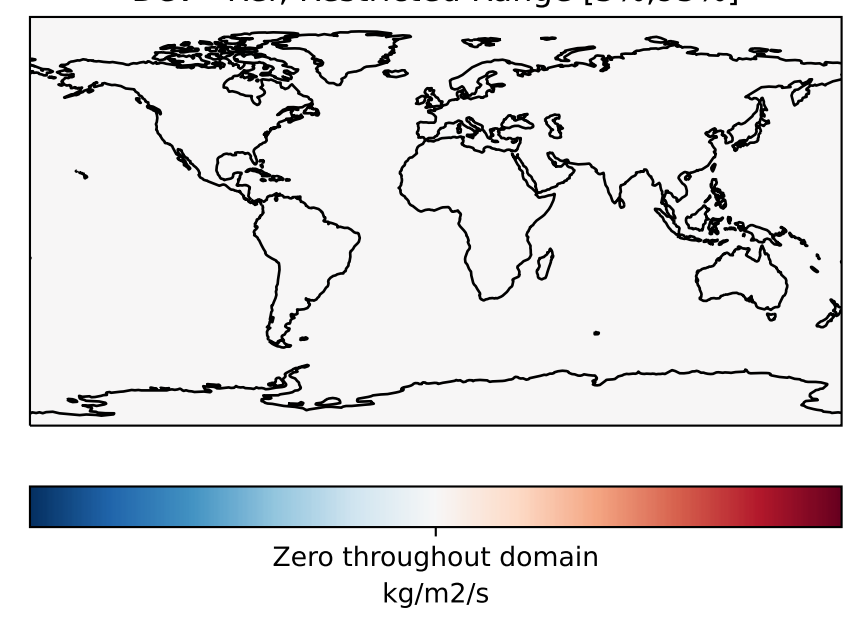
GCC_14.0.0-rc.3 (Dev)
4.0x5.0



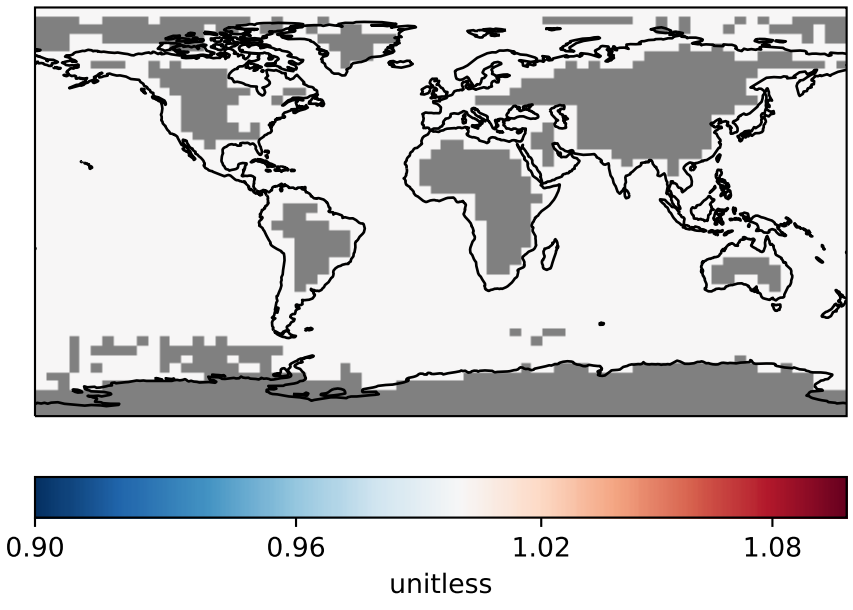
Difference
Dev - Ref, Dynamic Range



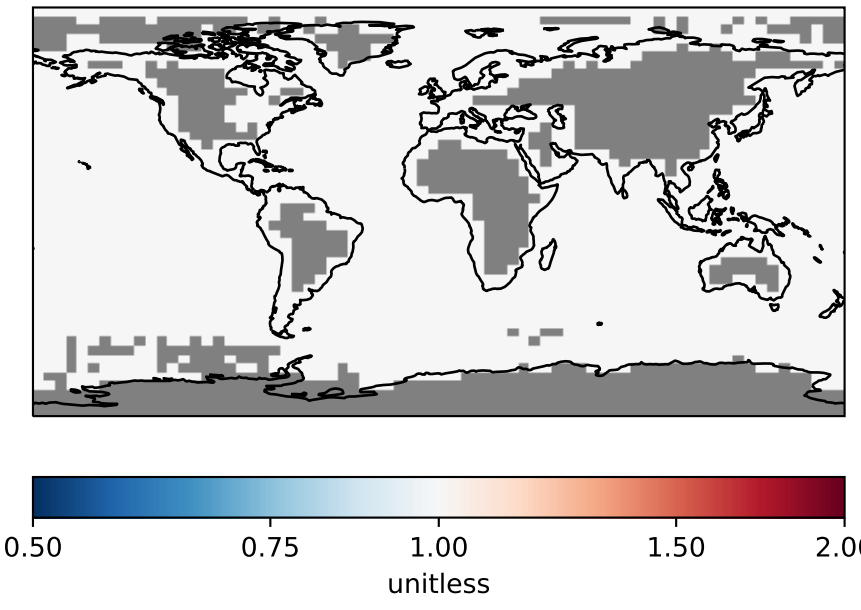
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

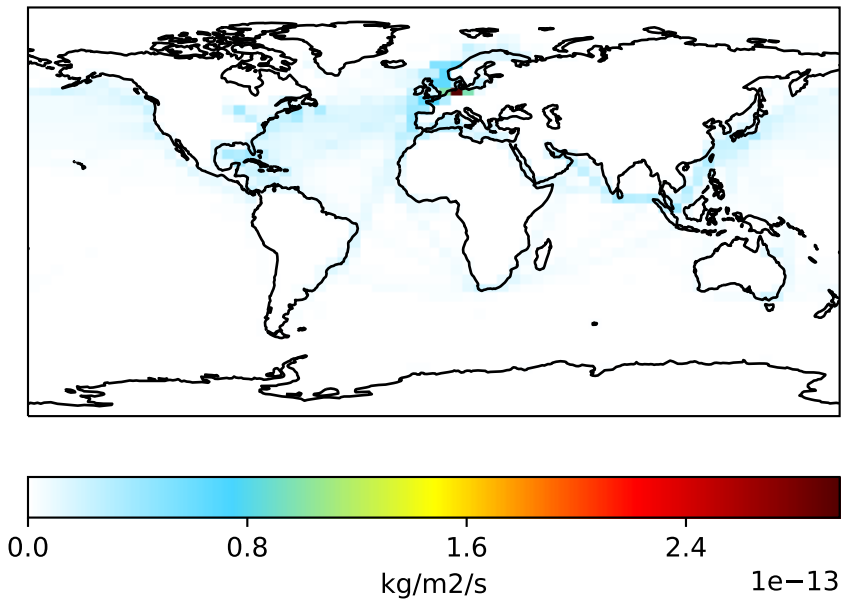


Ratio
Dev/Ref, Fixed Range

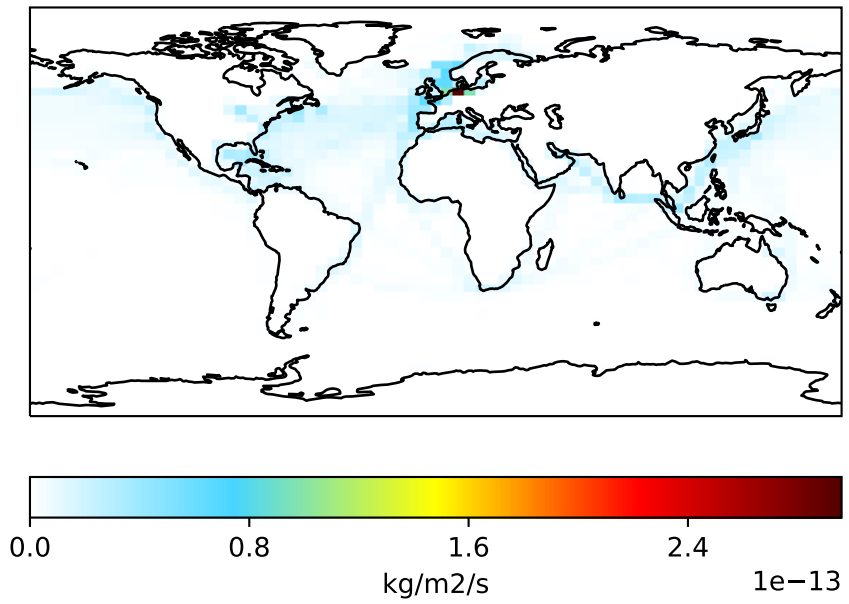


EmisSOAP_Ship (Apr2019)

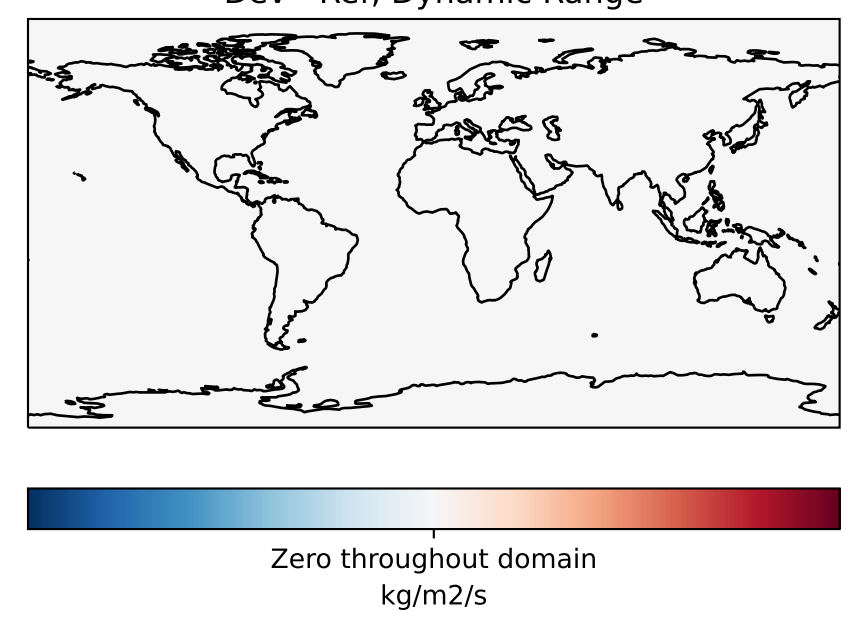
GCC_13.4.0-rc.4 (Ref)
4.0x5.0



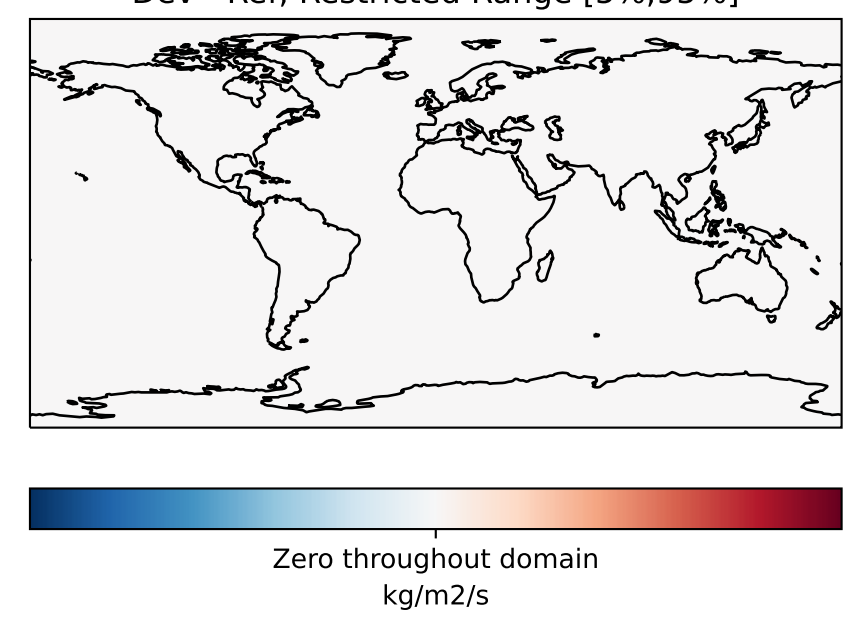
GCC_14.0.0-rc.3 (Dev)
4.0x5.0



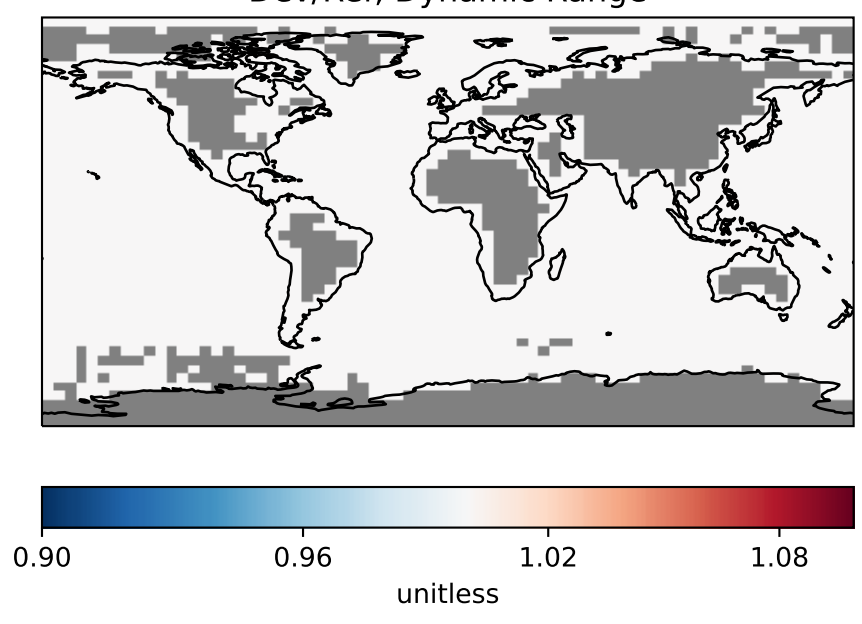
Difference
Dev - Ref, Dynamic Range



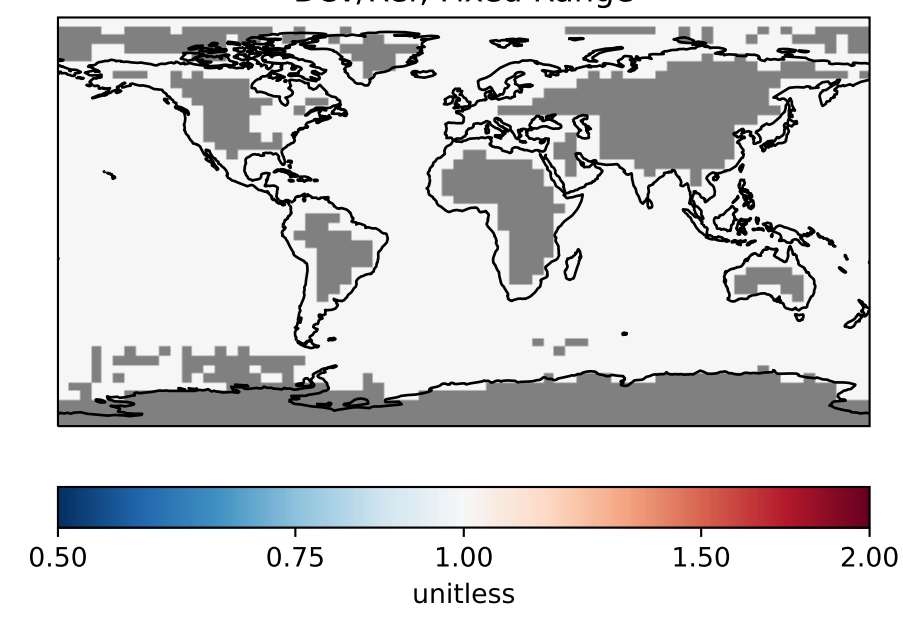
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

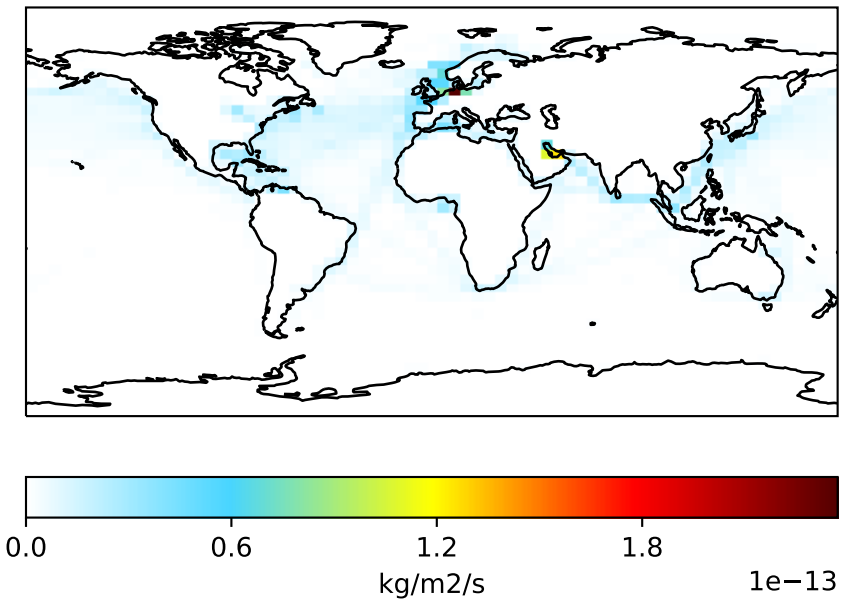


Ratio
Dev/Ref, Fixed Range

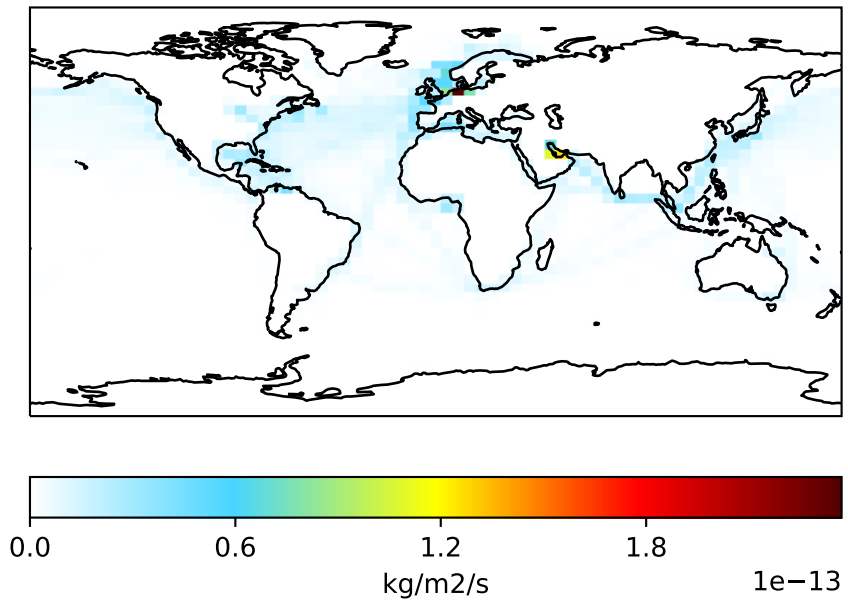


EmisTOLU_Ship (Apr2019)

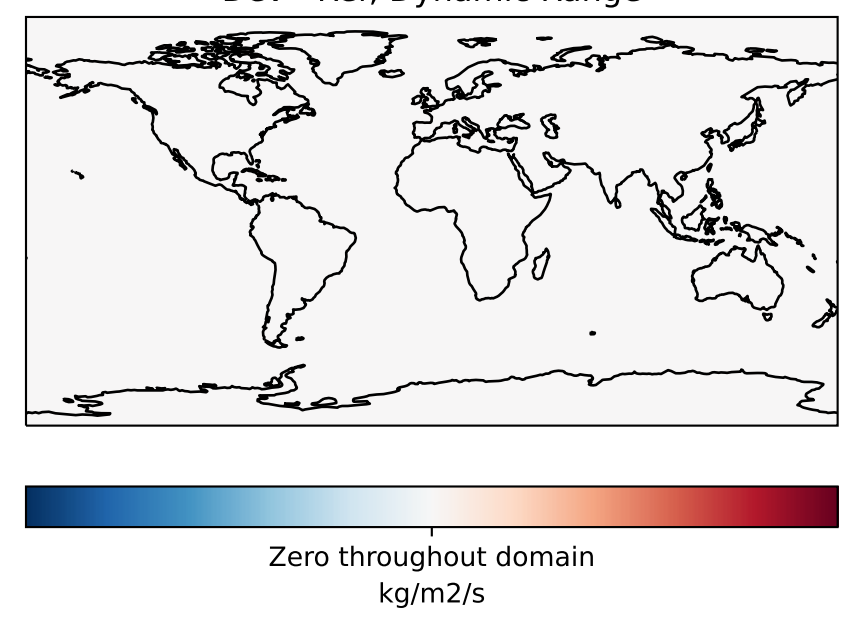
GCC_13.4.0-rc.4 (Ref)
4.0x5.0



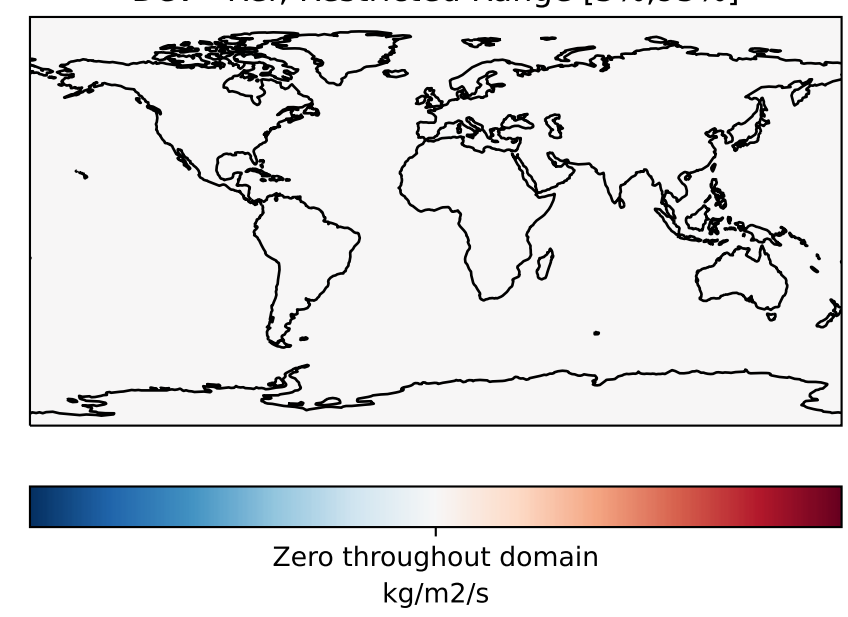
GCC_14.0.0-rc.3 (Dev)
4.0x5.0



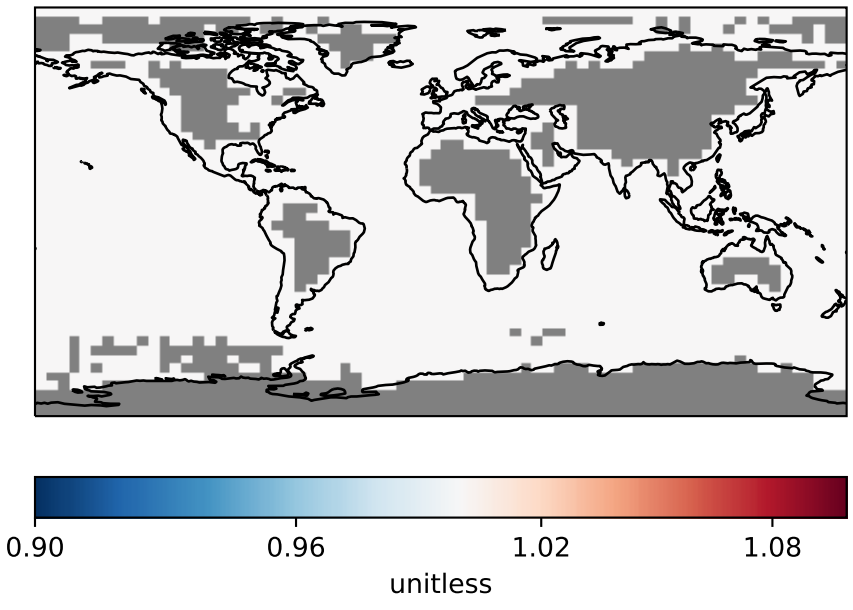
Difference
Dev - Ref, Dynamic Range



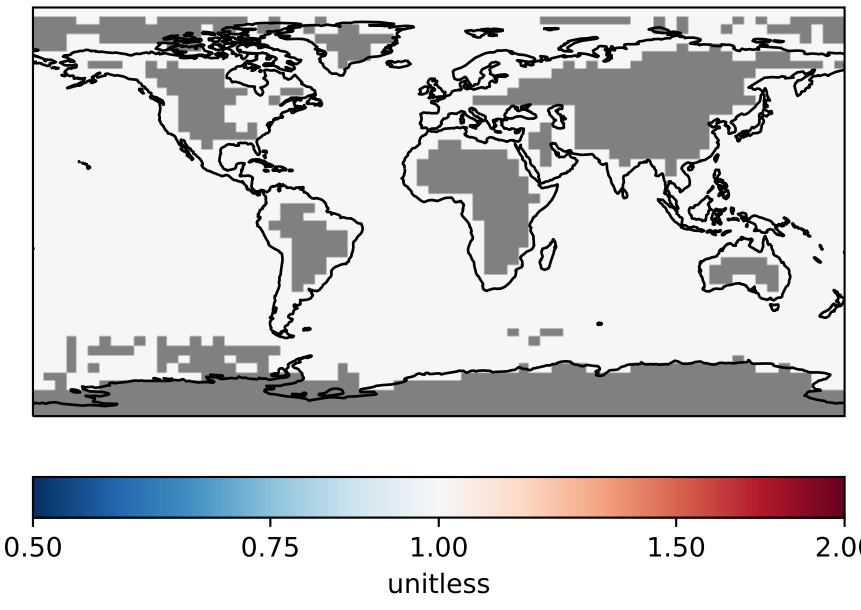
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

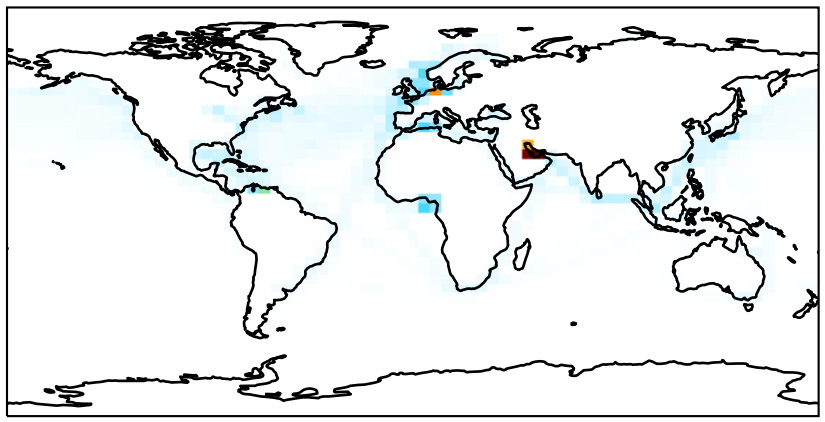


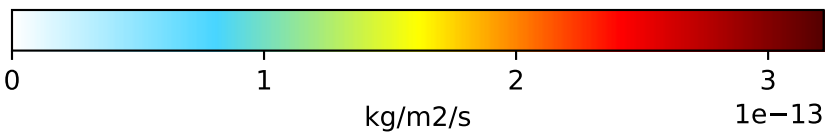
Ratio
Dev/Ref, Fixed Range



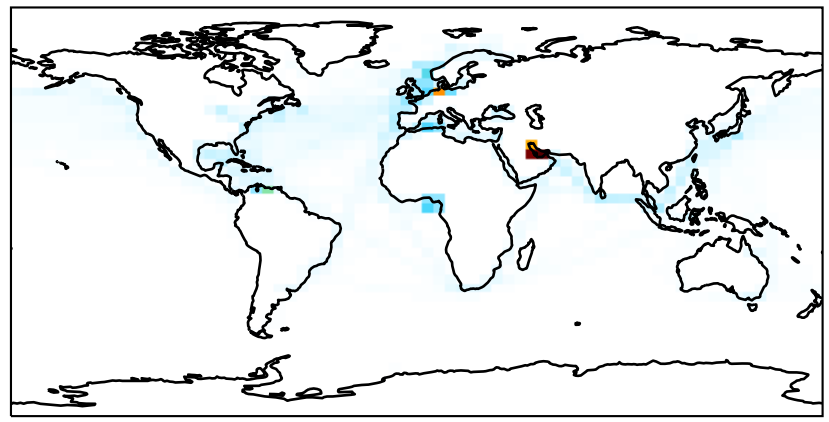
EmisXYLE_Ship (Apr2019)

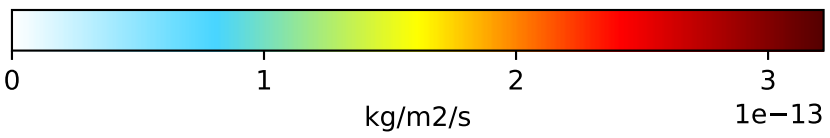
GCC_13.4.0-rc.4 (Ref)
4.0x5.0



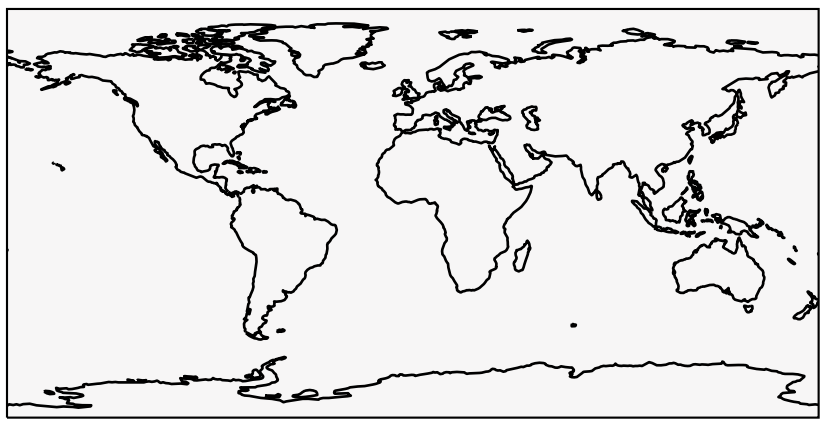


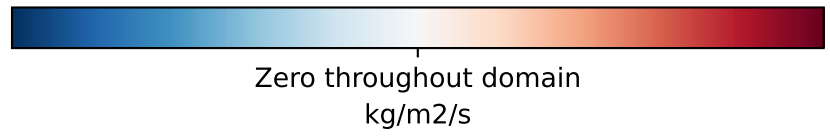
GCC_14.0.0-rc.3 (Dev)
4.0x5.0



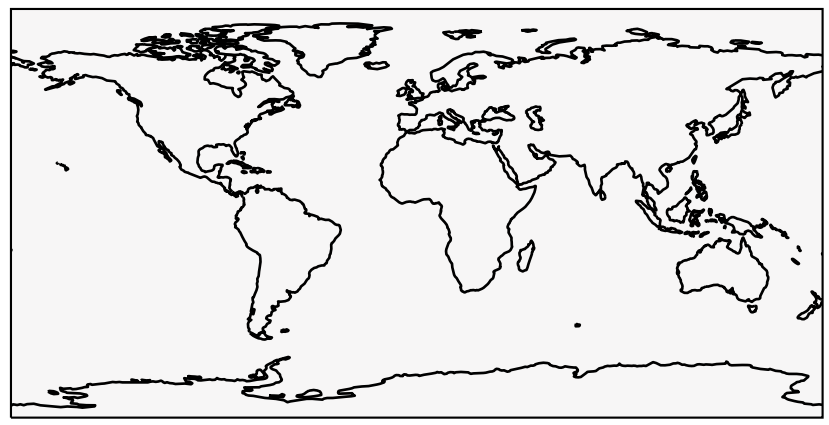


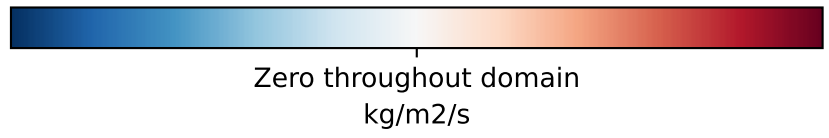
Difference
Dev - Ref, Dynamic Range



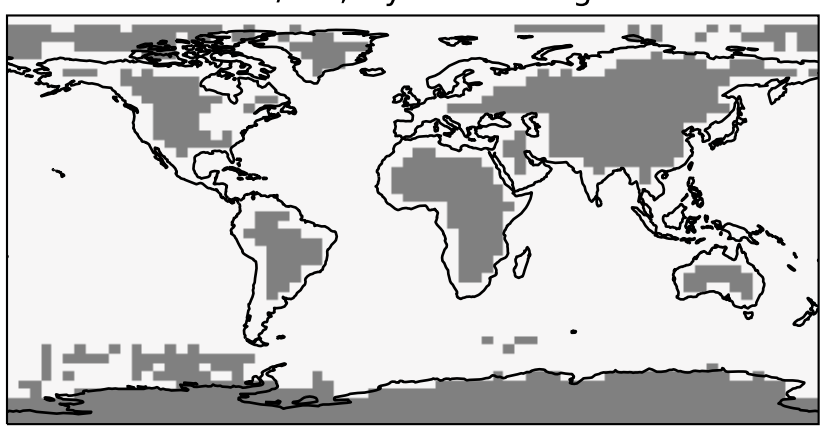


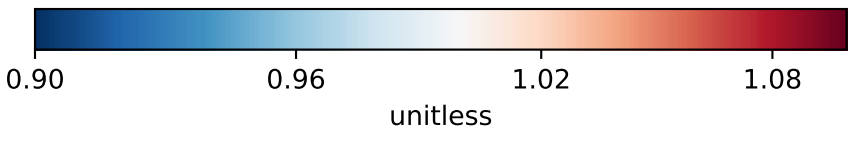
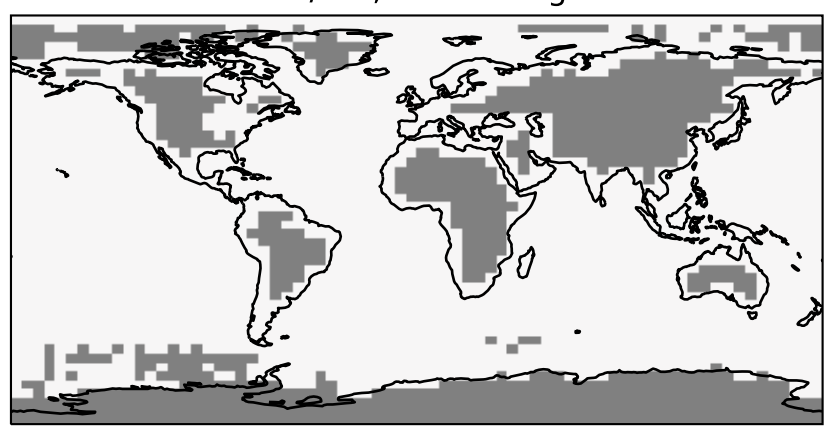
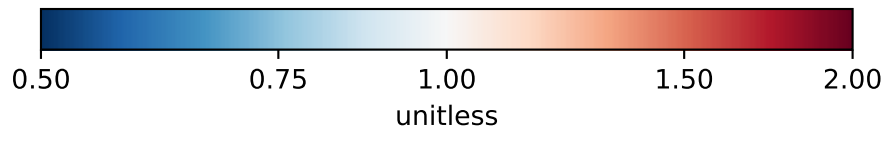
Difference
Dev - Ref, Restricted Range [5%,95%]





Ratio
Dev/Ref, Dynamic Range





Ratio
Dev/Ref, Fixed Range