EmisALD2_Ship (Jul2019)
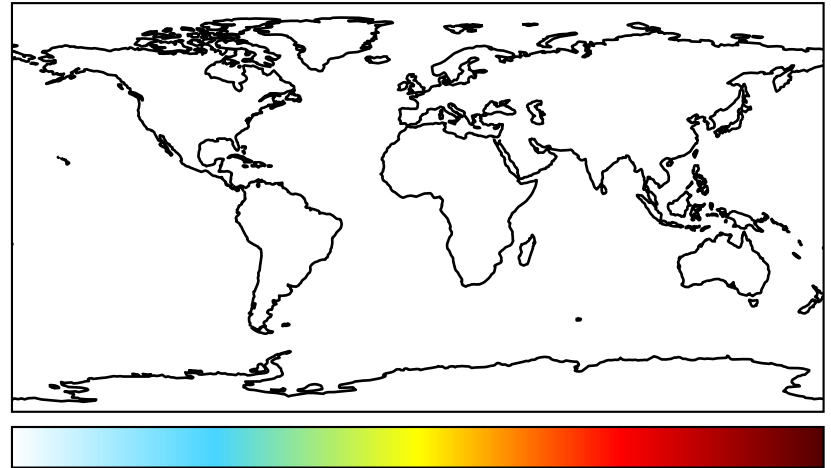

gcc-14.3.0-rc.0 (Ref)
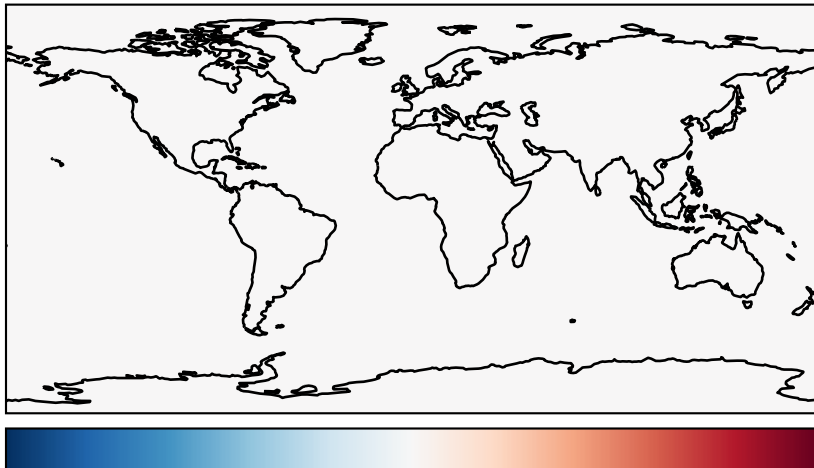4.0x5.0
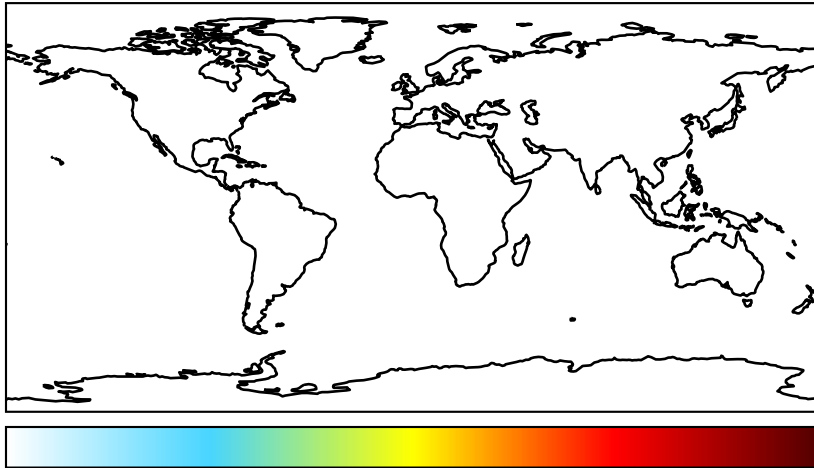
gcc-14.4.0-rc.0 (Dev)
4.0x5.0

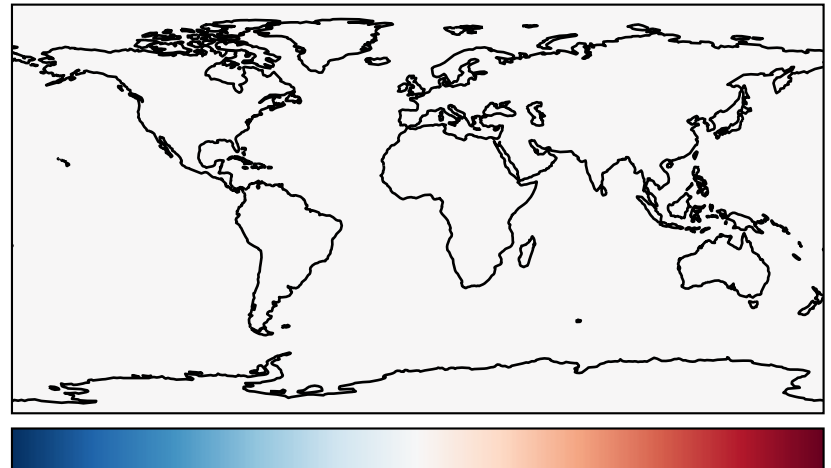Zero throughout domain
kg/m2/s

Difference
Dev - Ref, Dynamic Range

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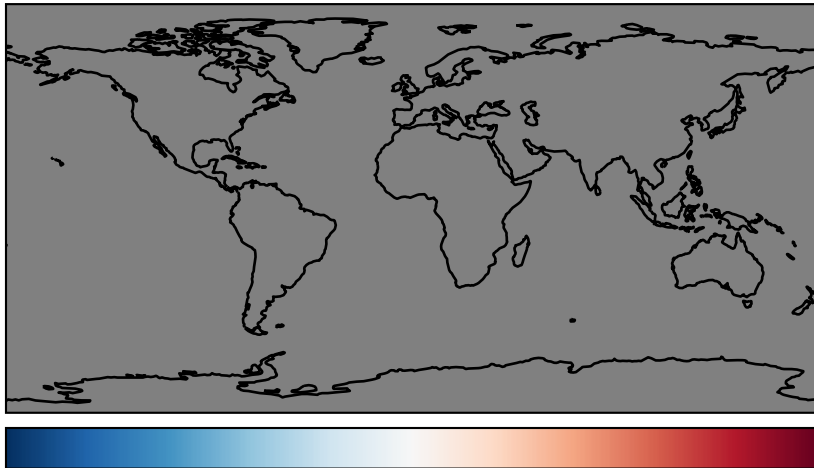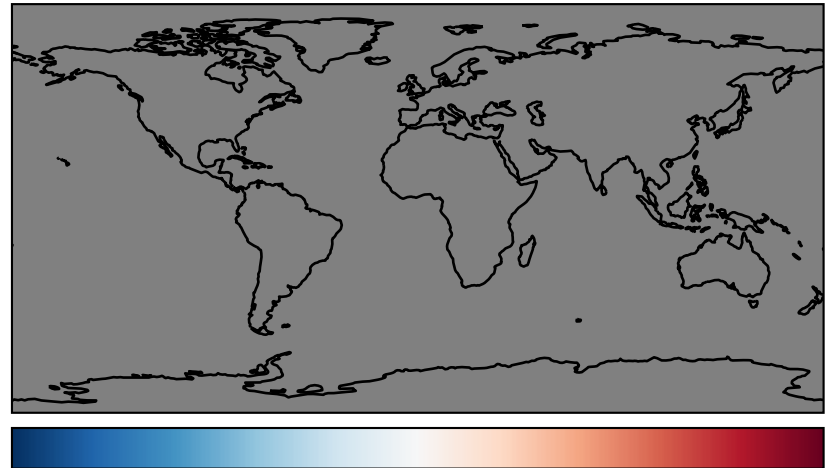Dev - Ref, Restricted Range [5%,95%]

Zero throughout domain
kg/m2/s

Ratio
Dev/Ref, Dynamic Range

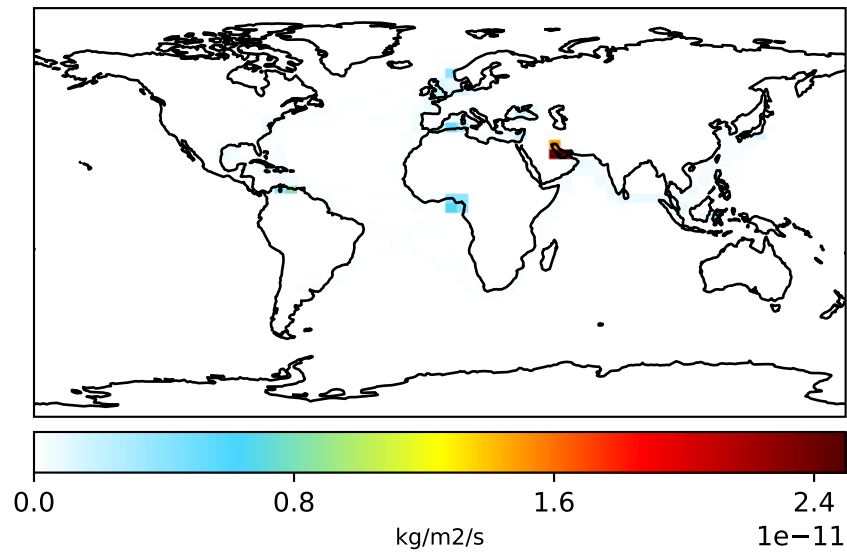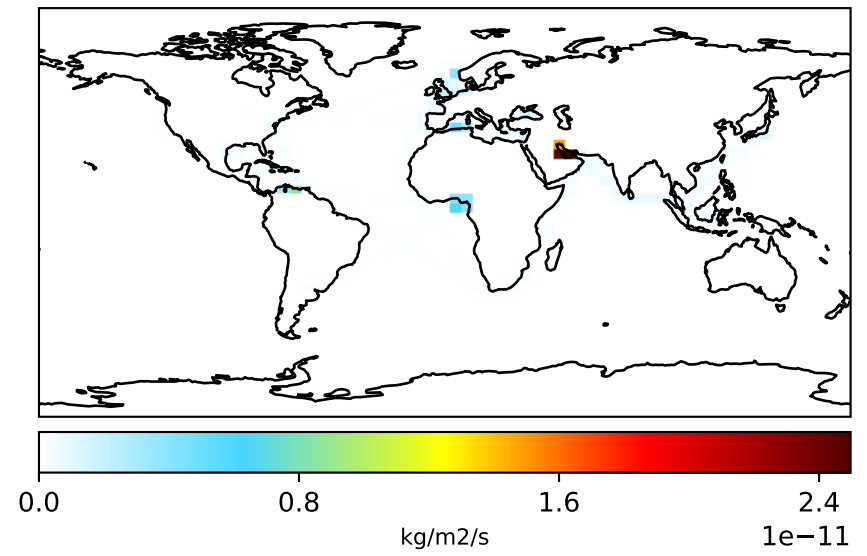Ratio
Dev/Ref, Fixed Range

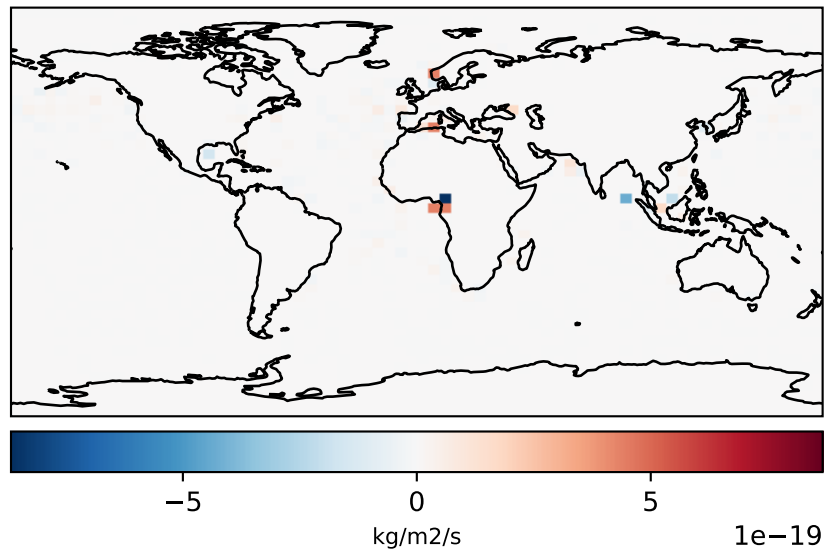Undefined throughout domain
unitless

EmisALK4_Ship (Jul2019)
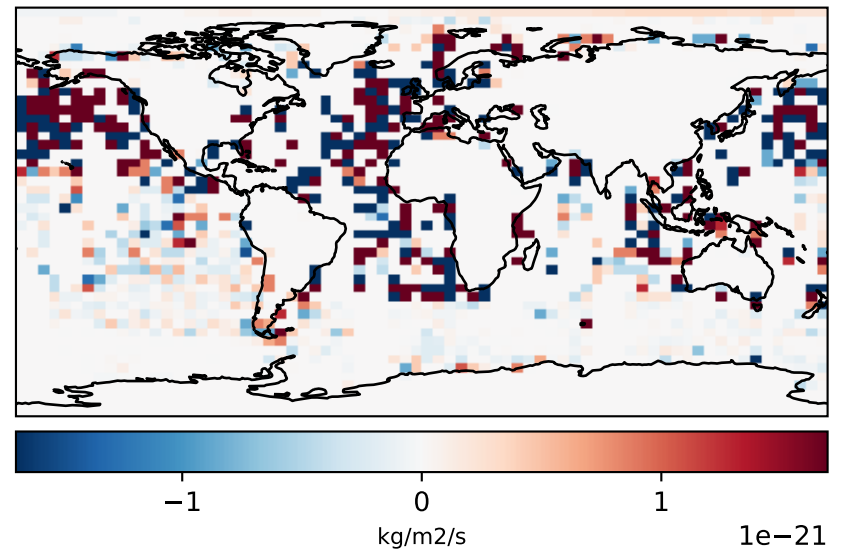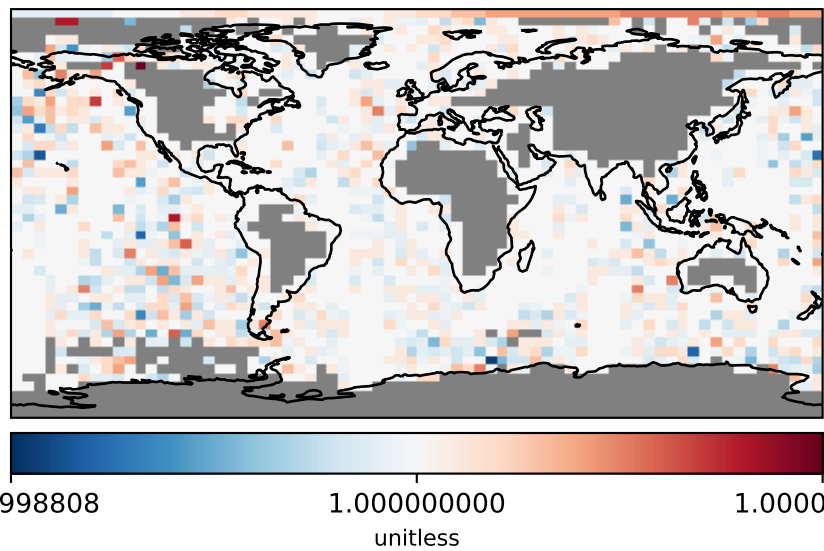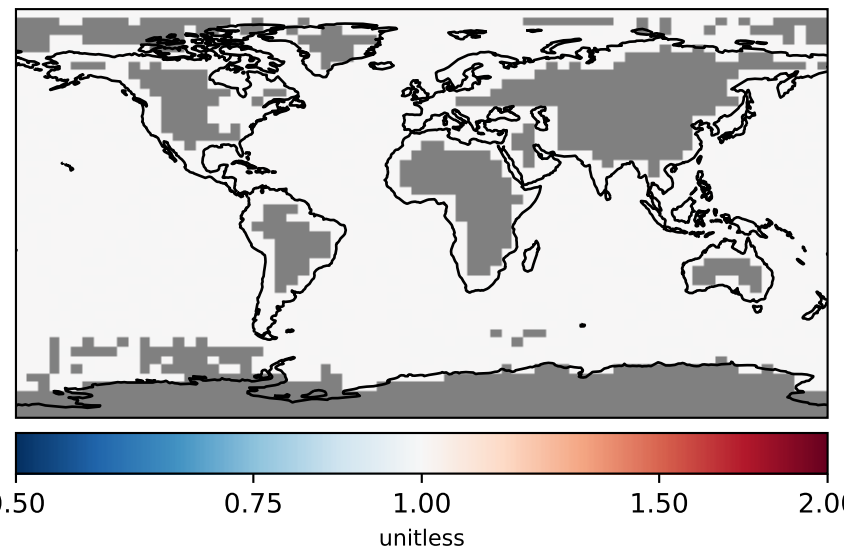
EmisBCPI_Ship (Jul2019)

gcc-14.3.0-rc.0 (Ref)
4.0x5.0
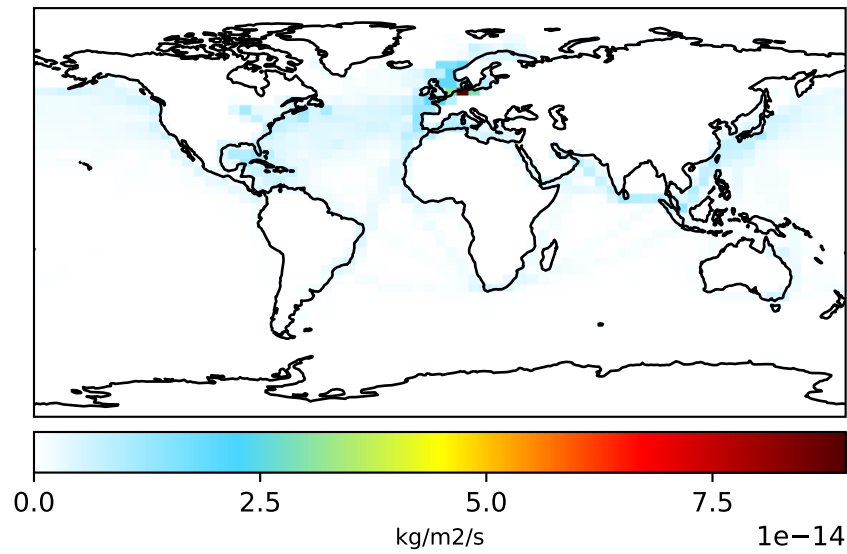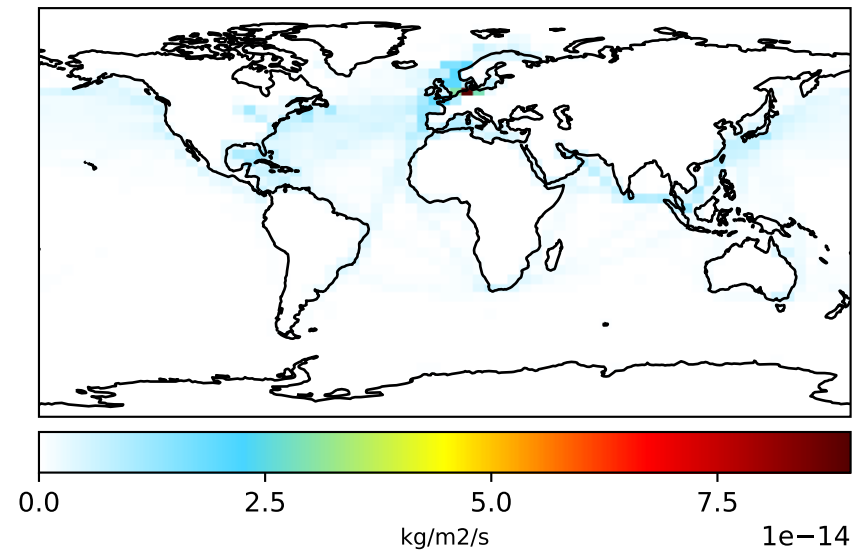
gcc-14.4.0-rc.0 (Dev)
4.0x5.0

kg/m2/s

1e−14

kg/m2/s

1e−14

Difference
Dev − Ref, Dynamic Range

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

Zero throughout domain
kg/m2/s

Zero throughout domain
kg/m2/s

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

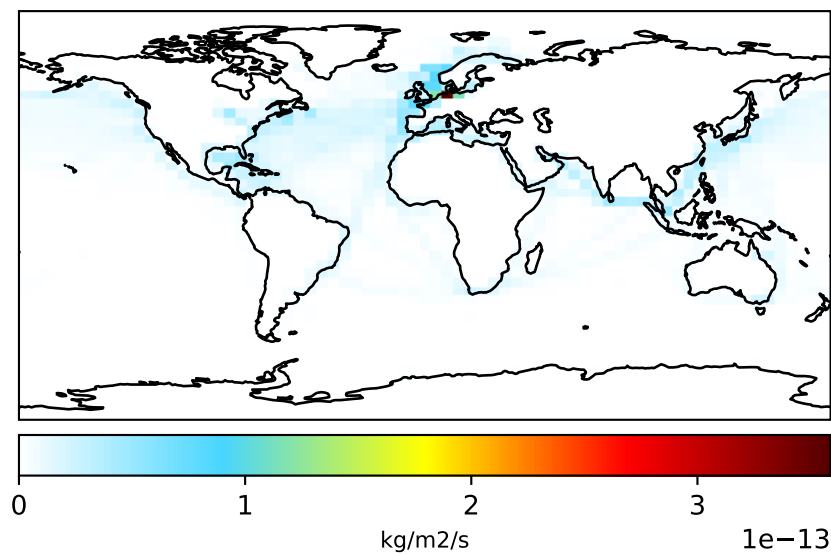Ref and Dev equal throughout domain
unitless
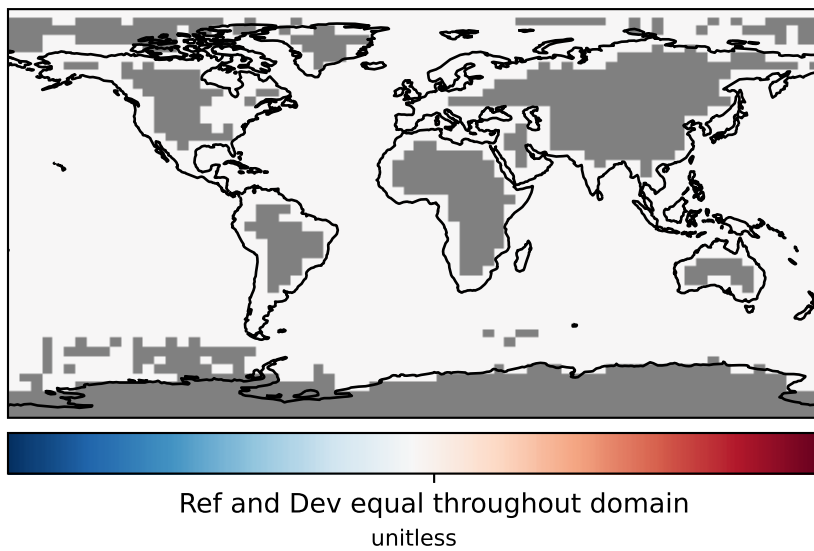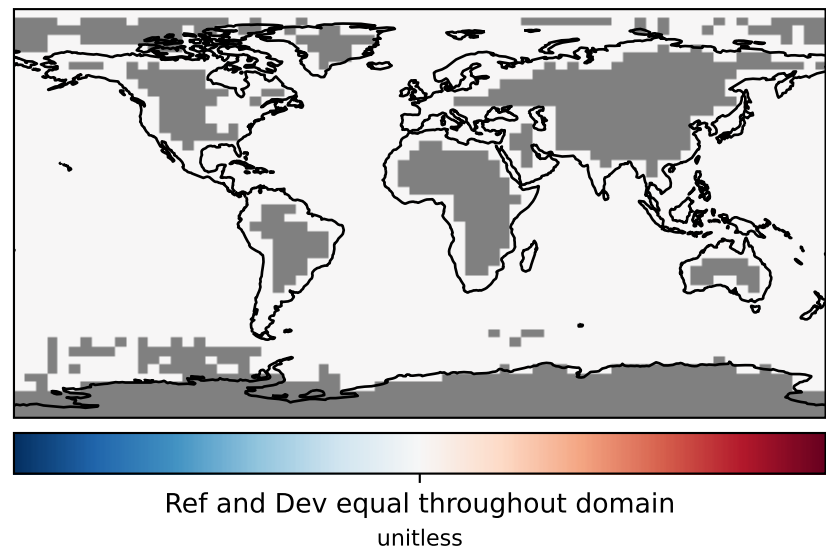
EmisBCPO_Ship (Jul2019)

gcc-14.3.0-rc.0 (Ref)
4.0x5.0
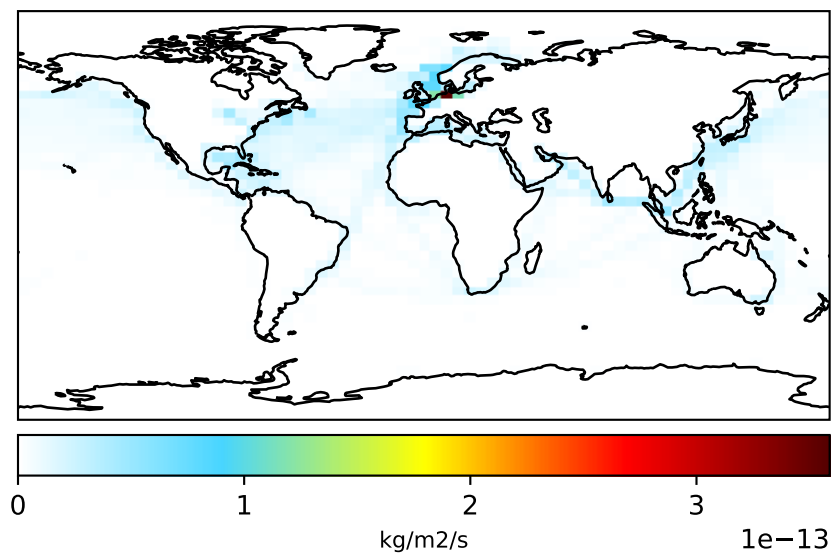
gcc-14.4.0-rc.0 (Dev)
4.0x5.0

kg/m2/s
1e−13

kg/m2/s
1e−13

Difference
Dev − Ref, Dynamic Range

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

Zero throughout domain
kg/m2/s

Zero throughout domain
kg/m2/s

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

Ref and Dev equal throughout domain
unitless
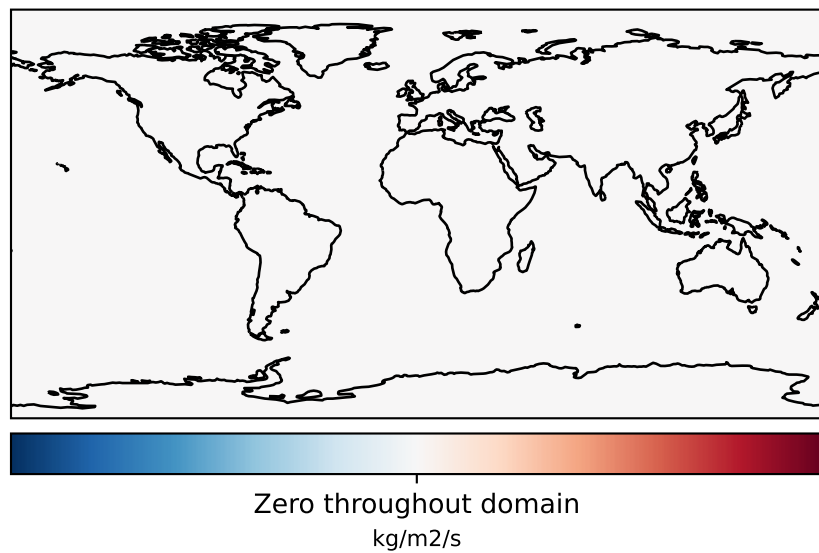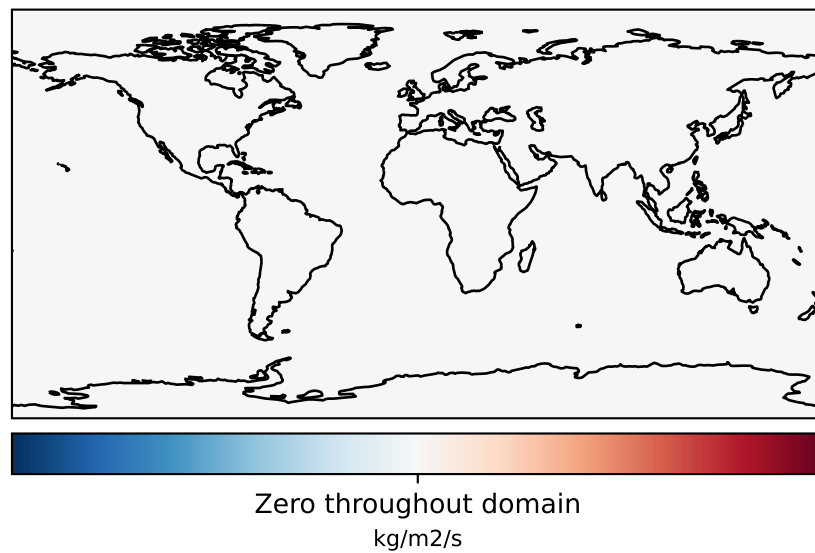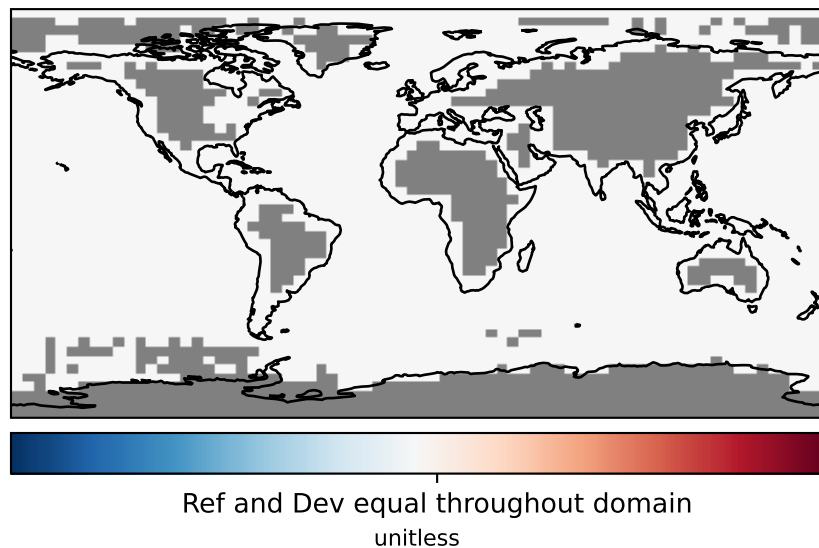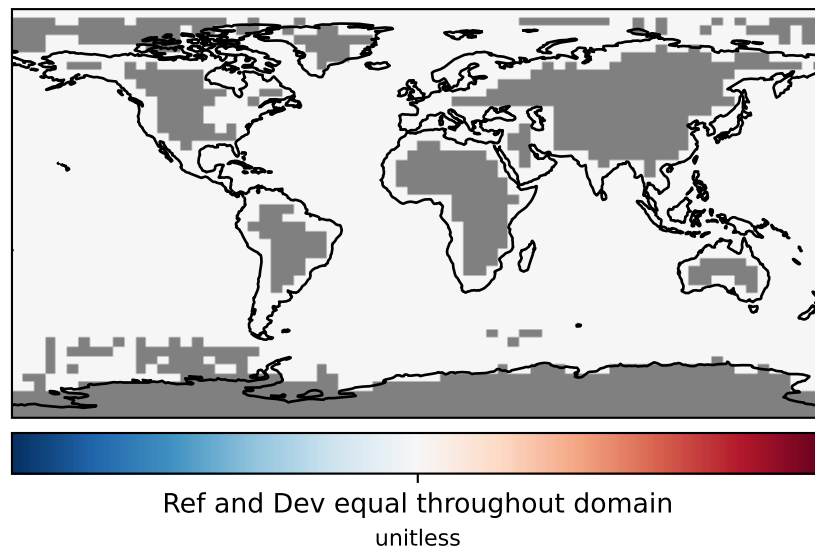
EmisBENZ_Ship (Jul2019)
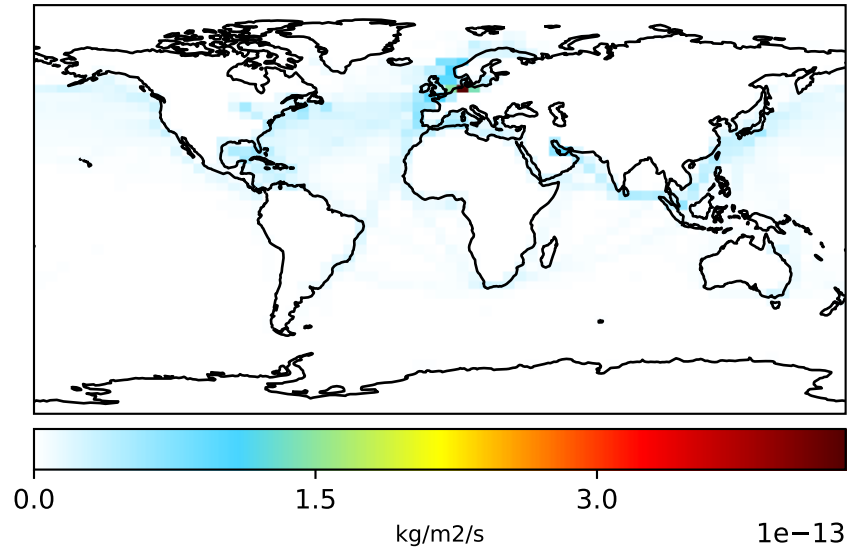
EmisC2H2_Ship (Jul2019)

gcc-14.3.0-rc.0 (Ref)
4.0x5.0

gcc-14.4.0-rc.0 (Dev)
4.0x5.0

Difference
Dev - Ref, Dynamic Range

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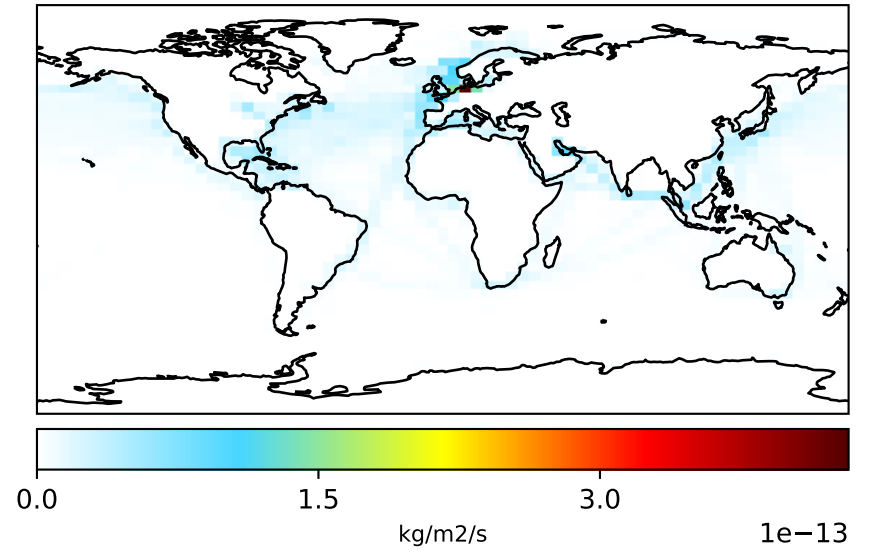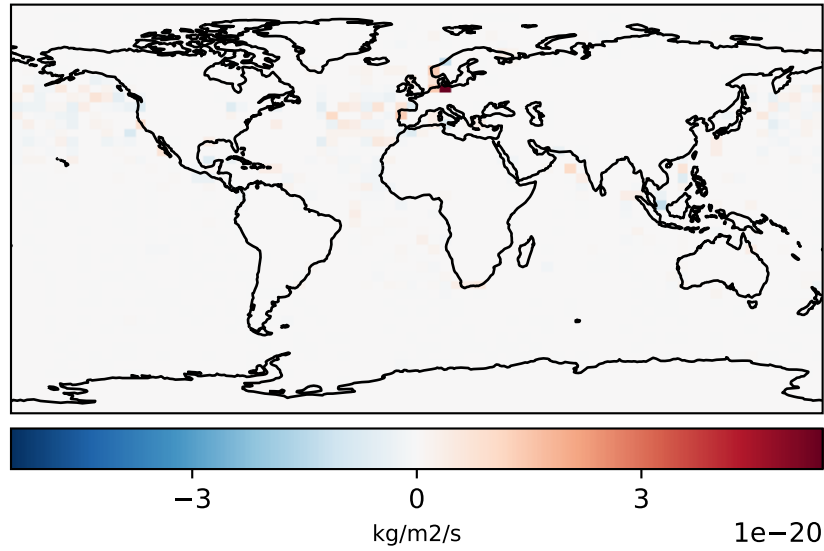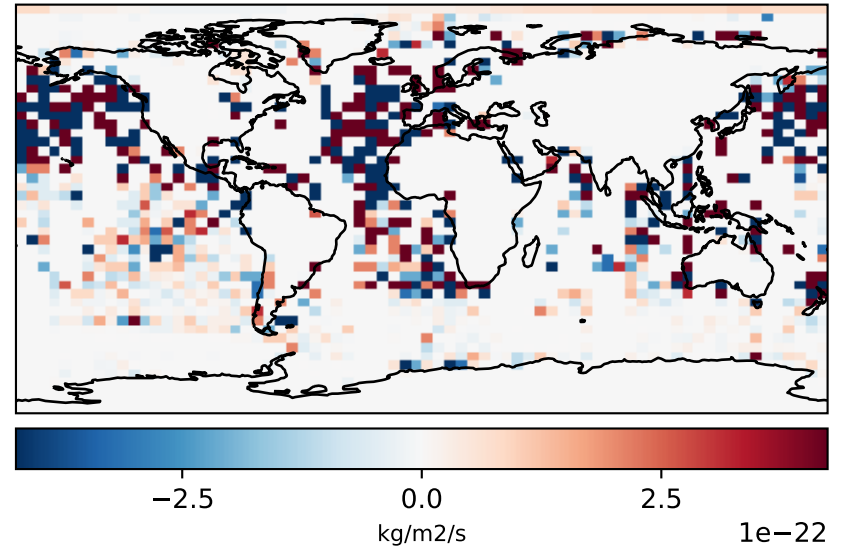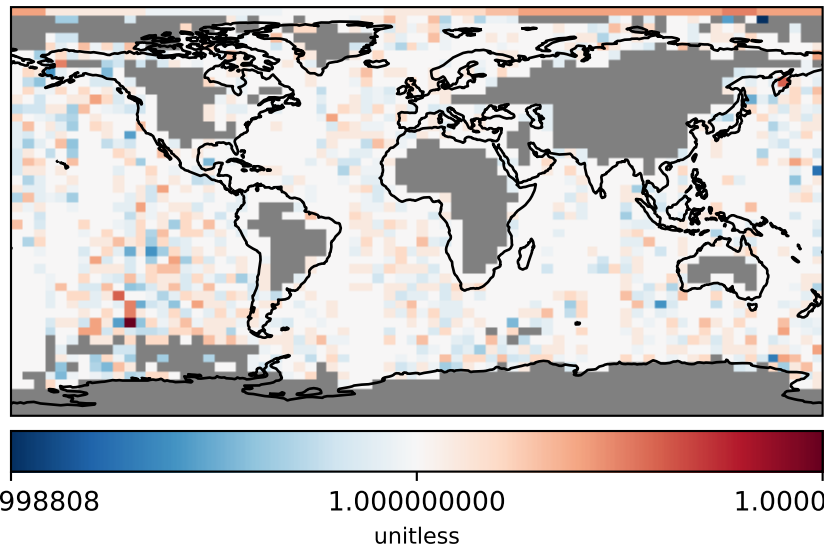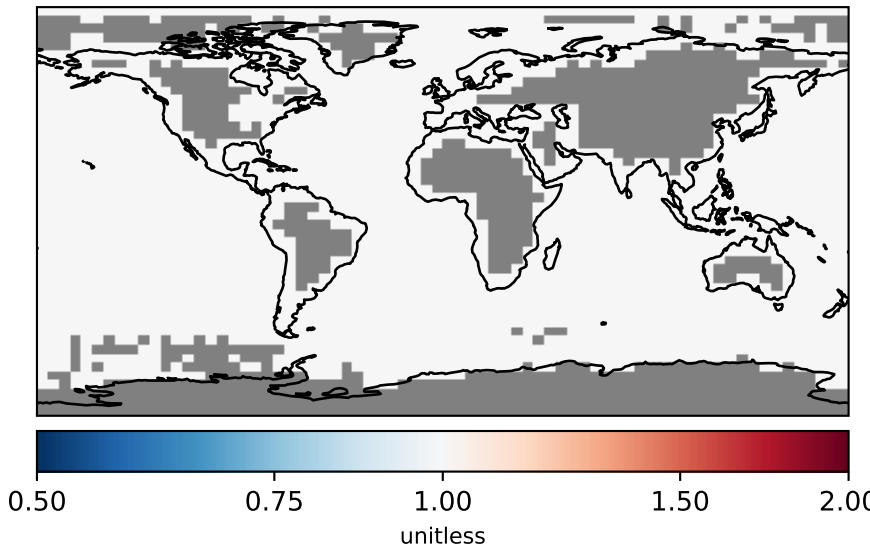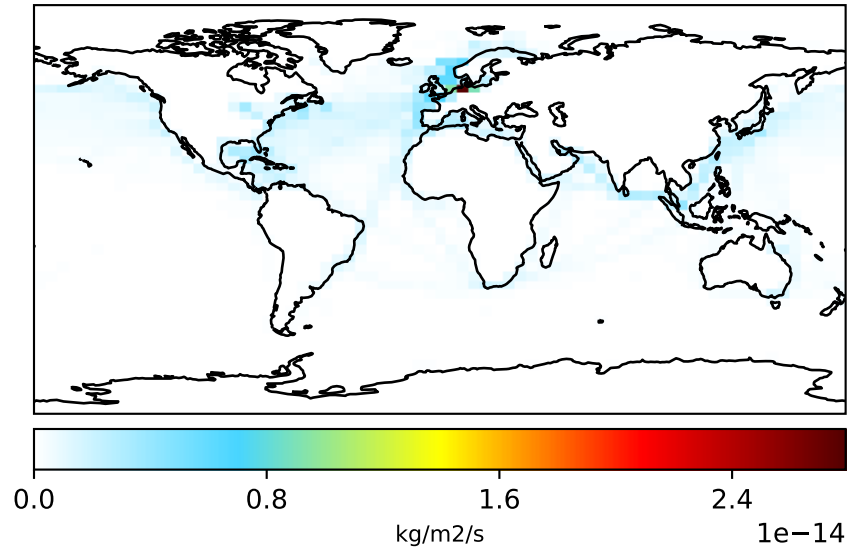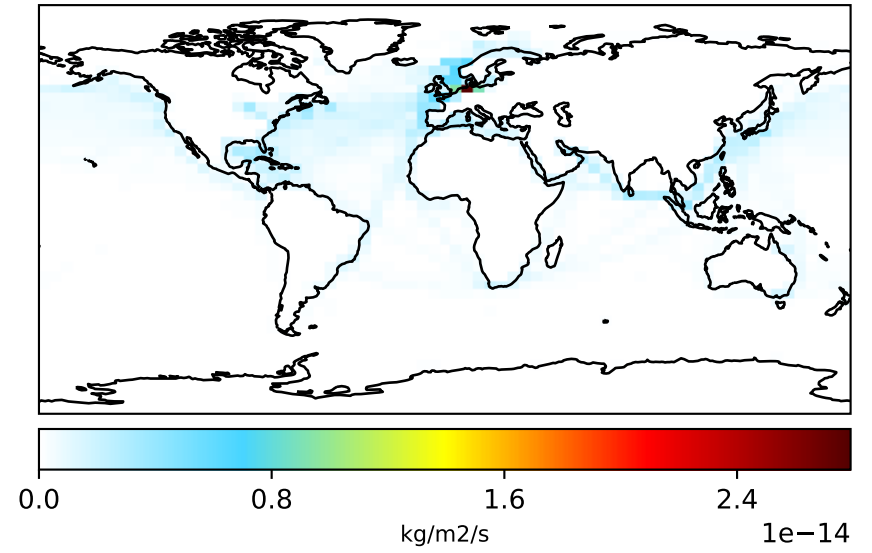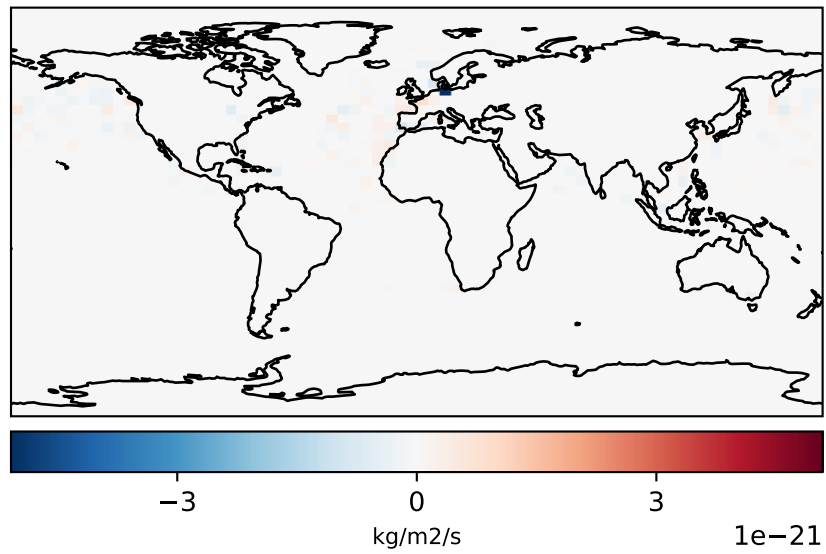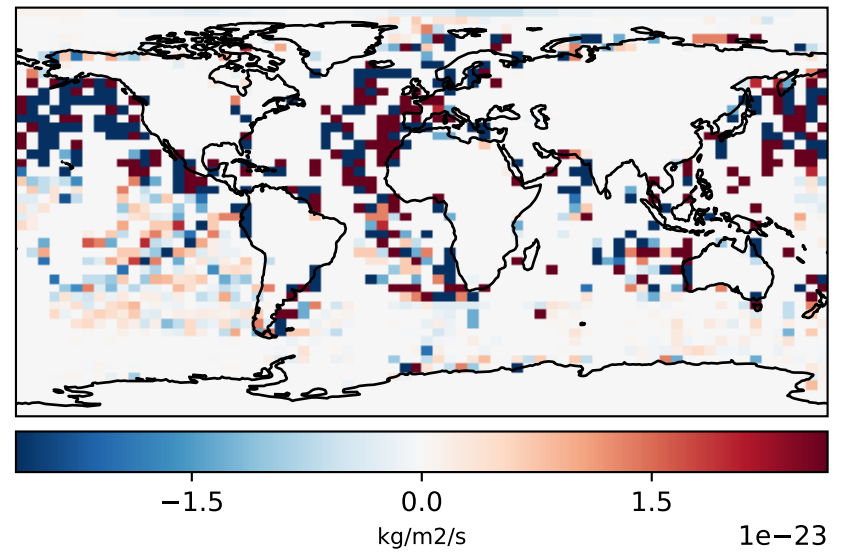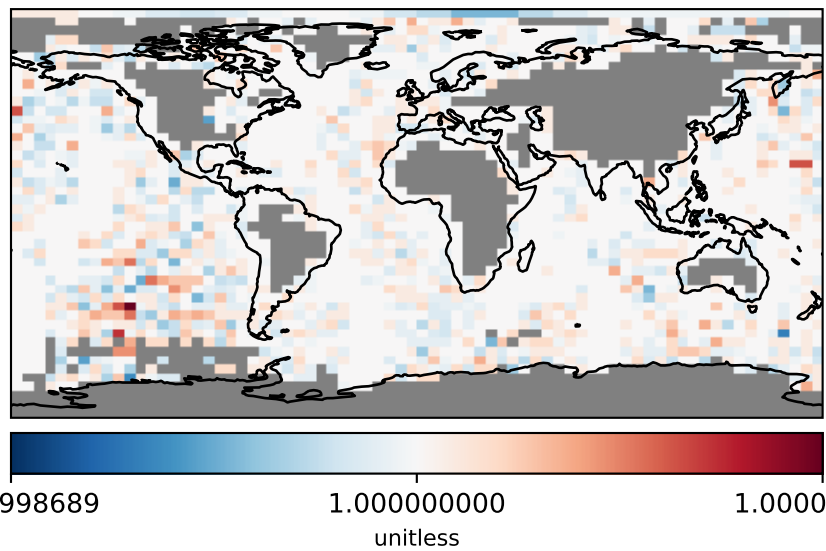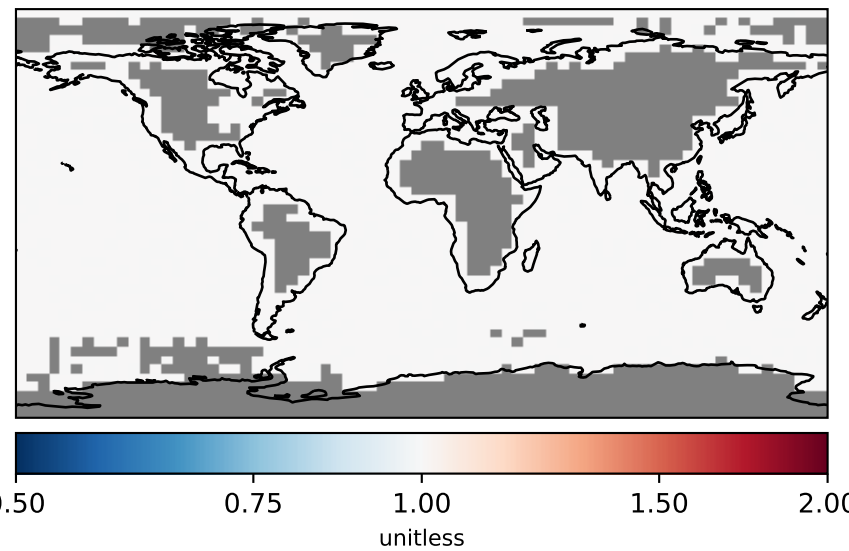
Ratio
Dev/Ref, Dynamic Range

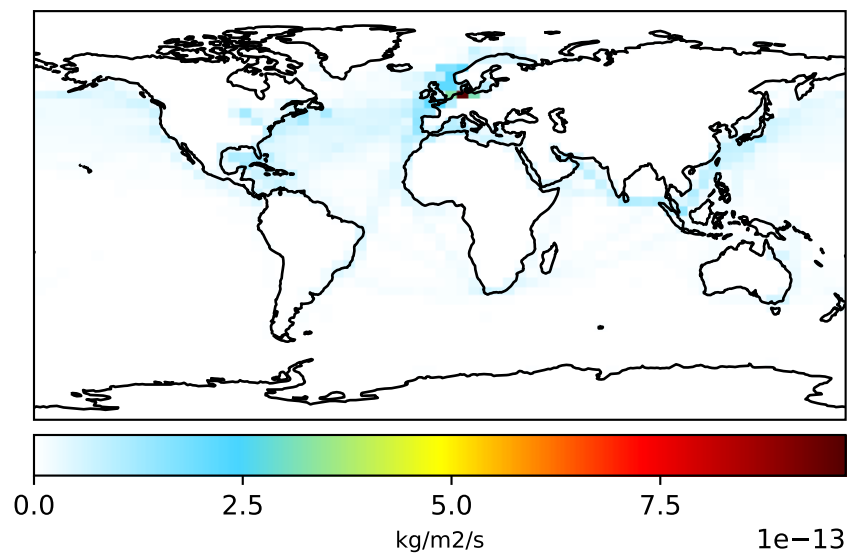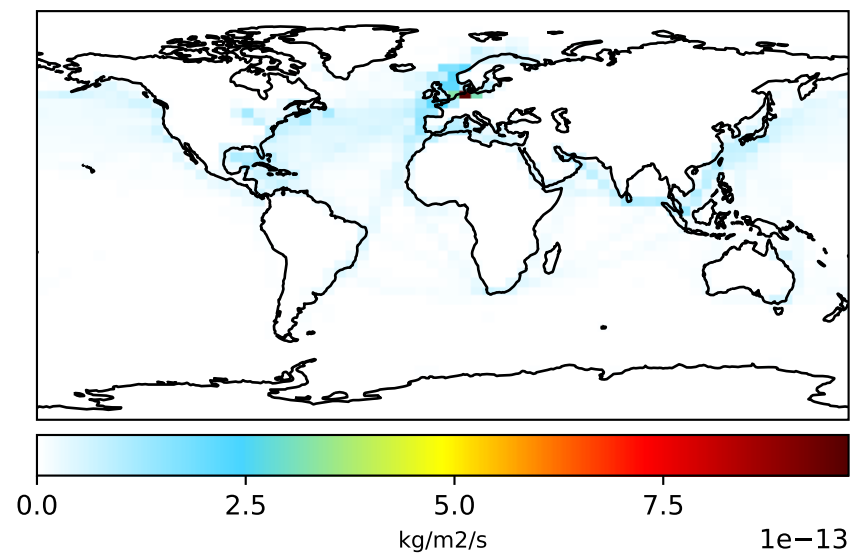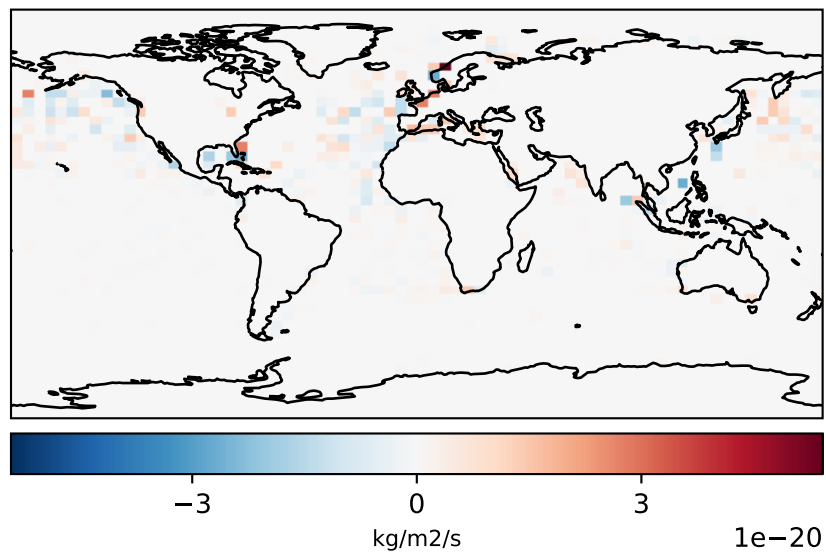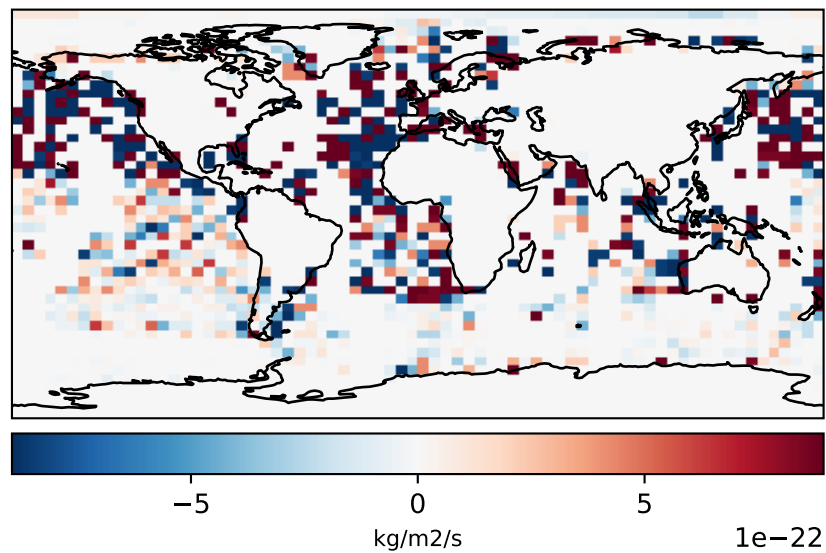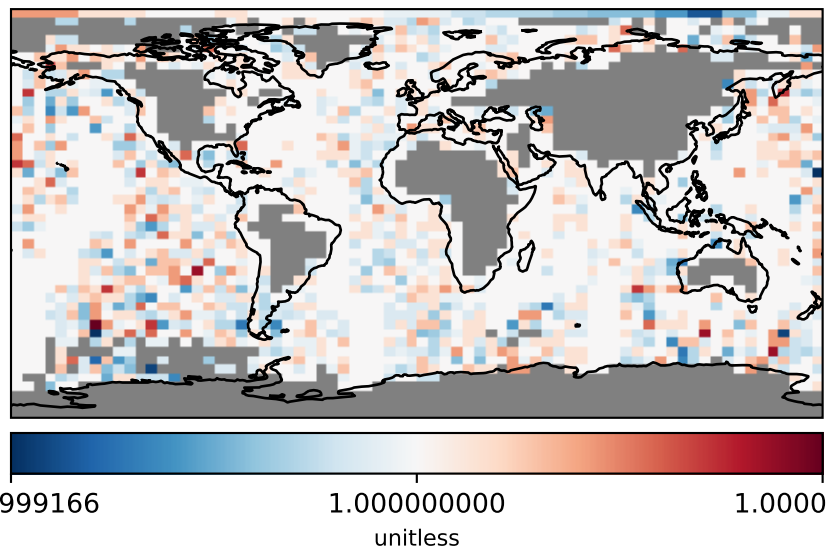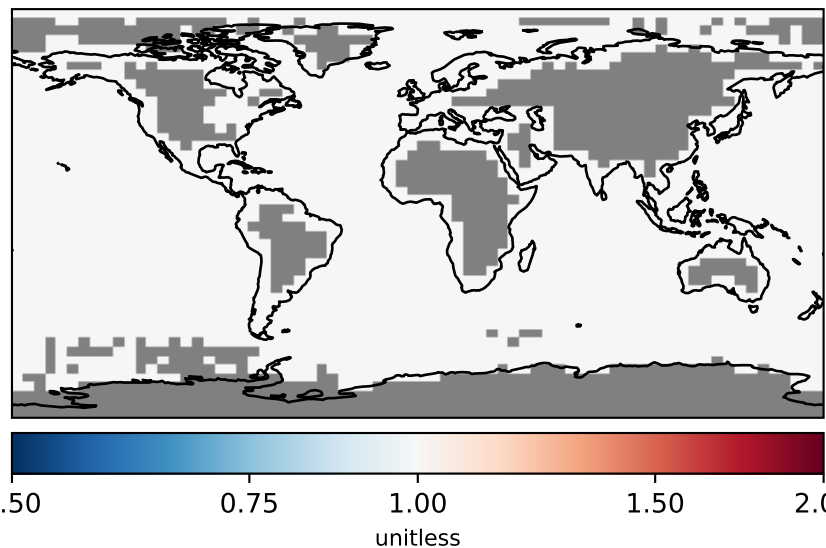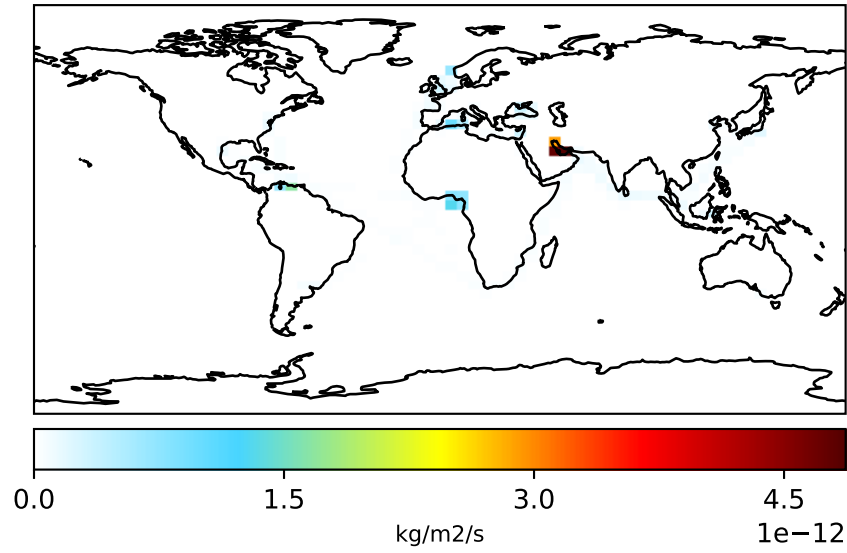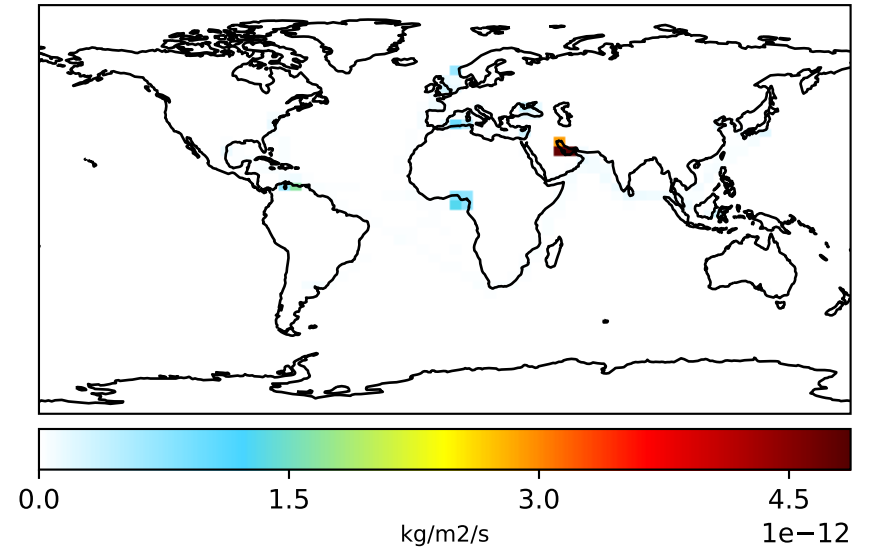Ratio
Dev/Ref, Fixed Range
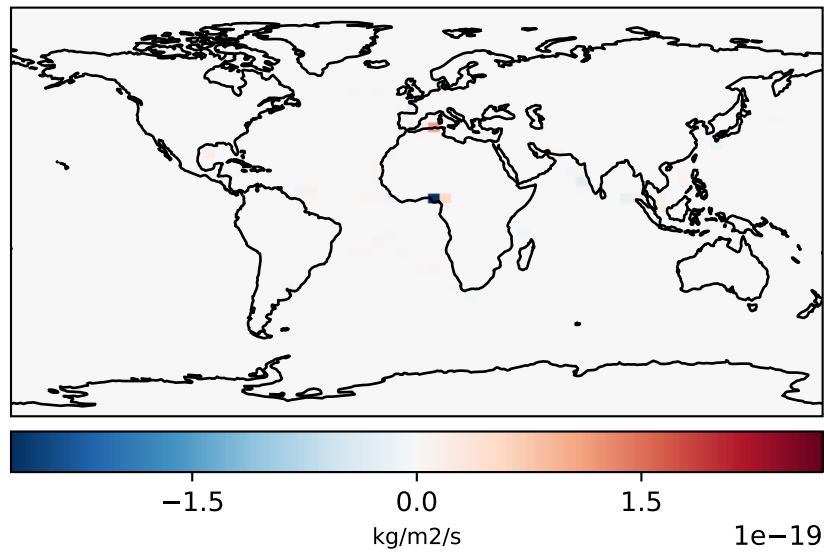
EmisC2H4_Ship (Jul2019)
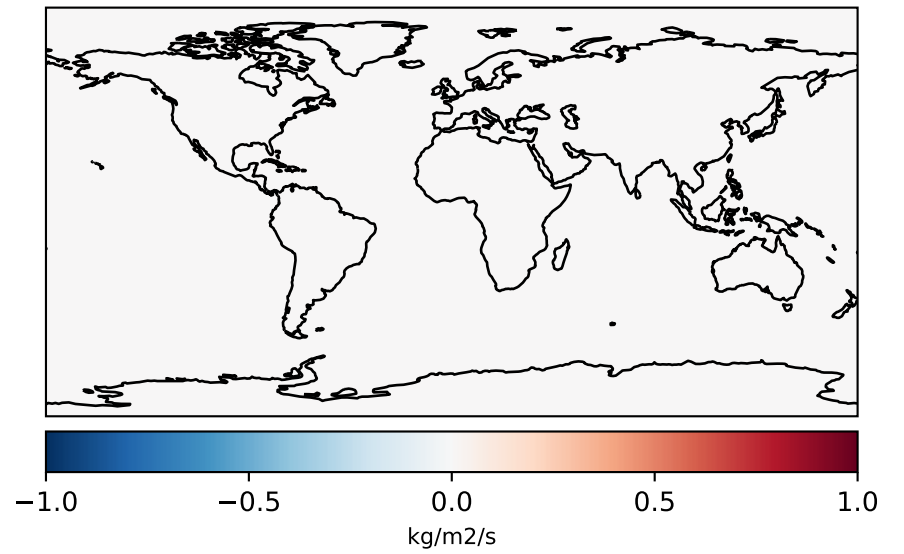

gcc-14.3.0-rc.0 (Ref)
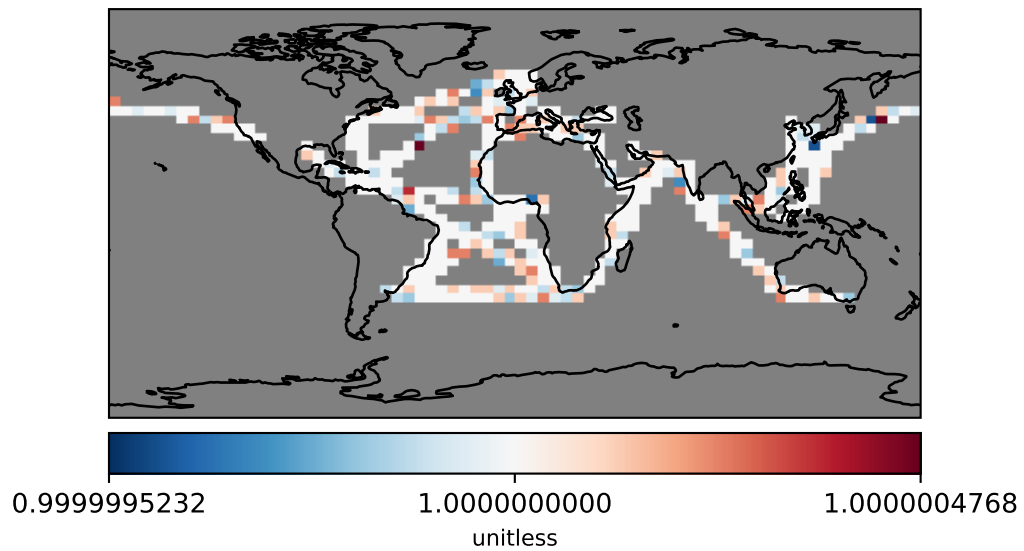4.0x5.0

gcc-14.4.0-rc.0 (Dev)
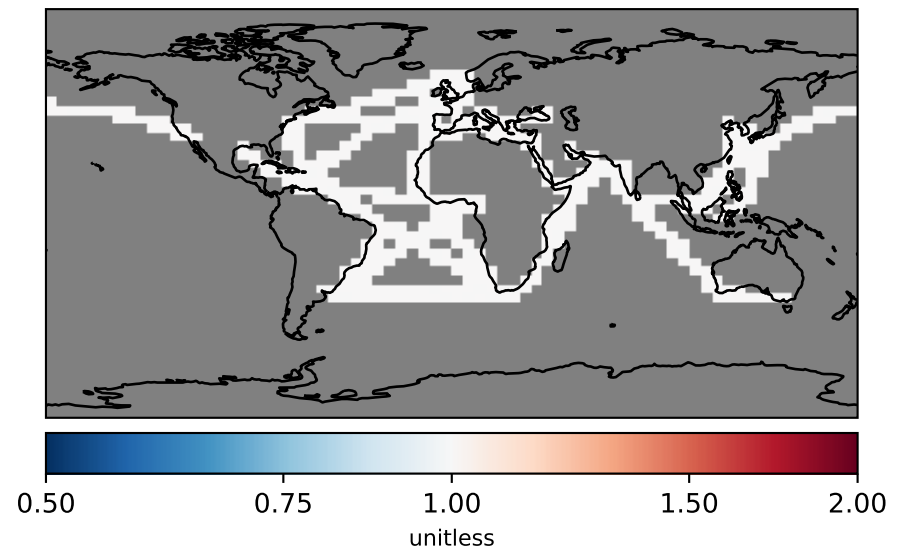4.0x5.0

Difference
Dev - Ref, Dynamic Range

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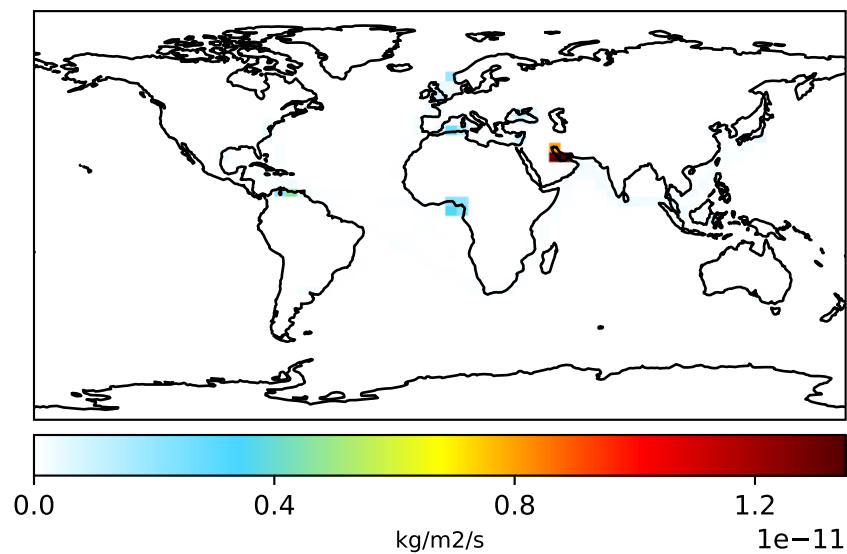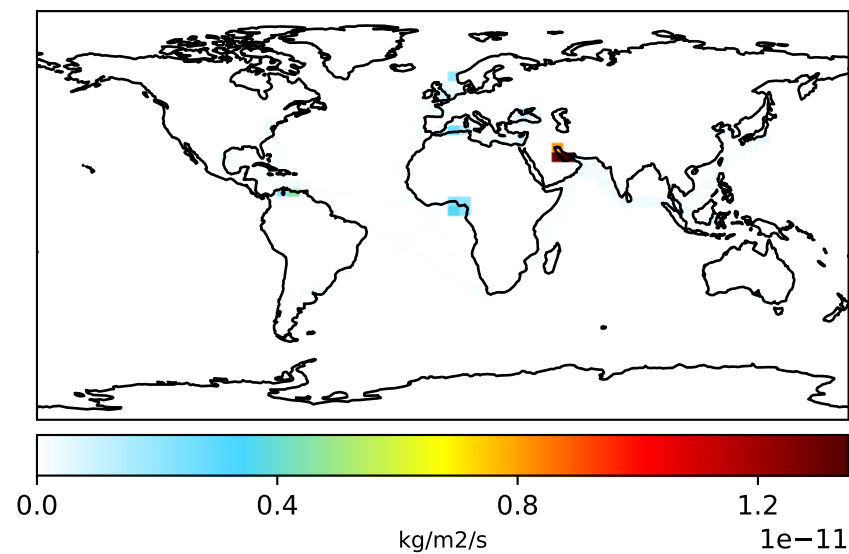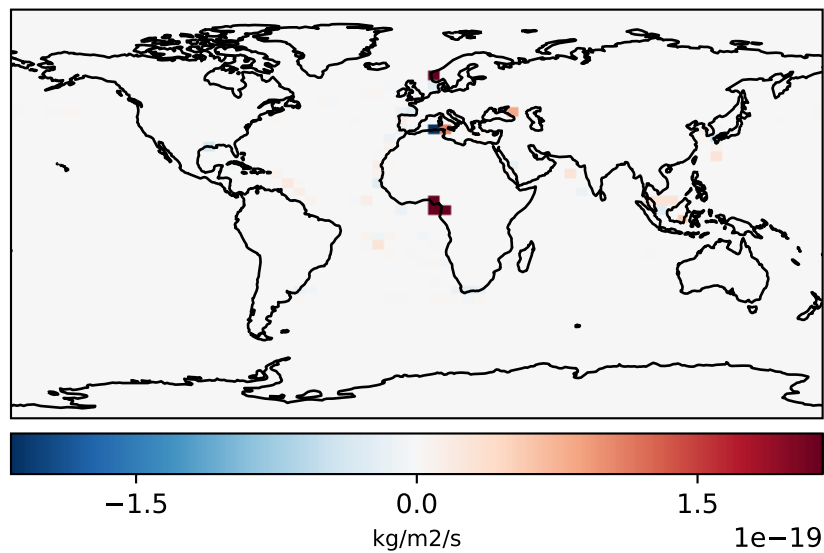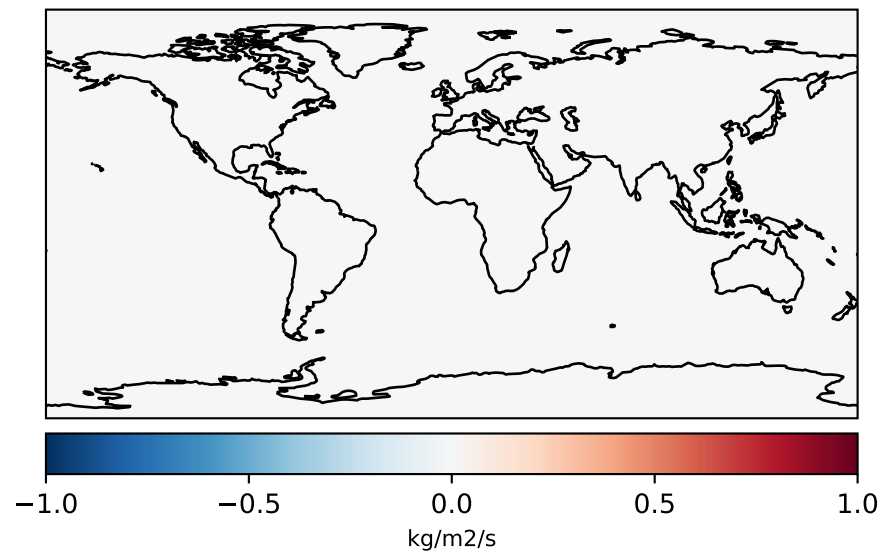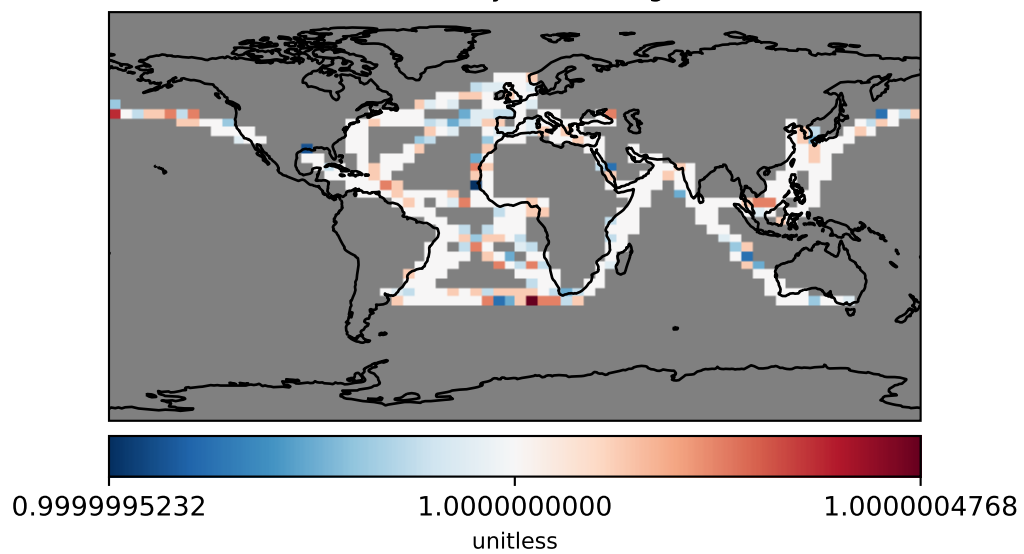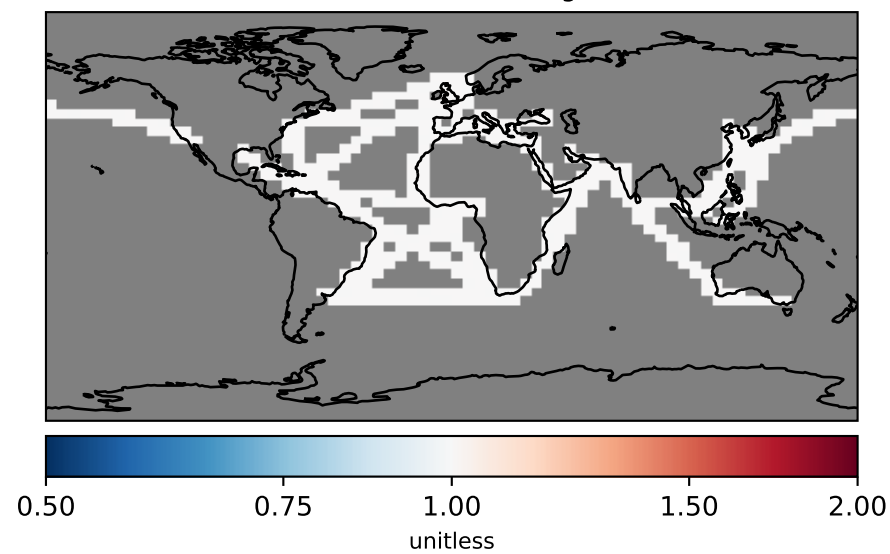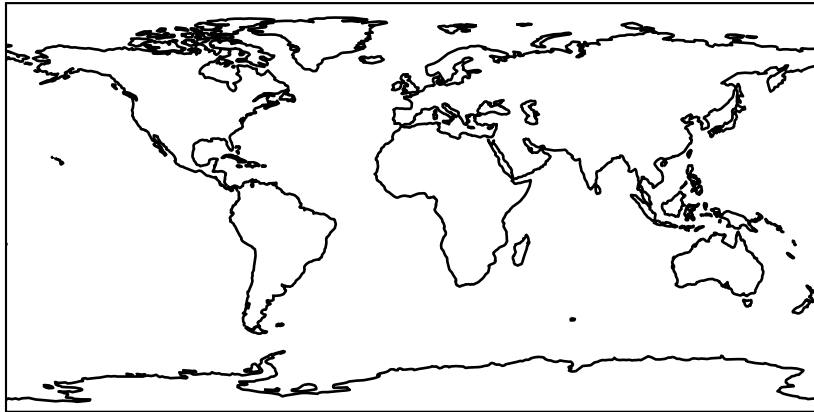Dev - Ref, Restricted Range [5%,95%]

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

EmisC2H6_Ship (Jul2019)
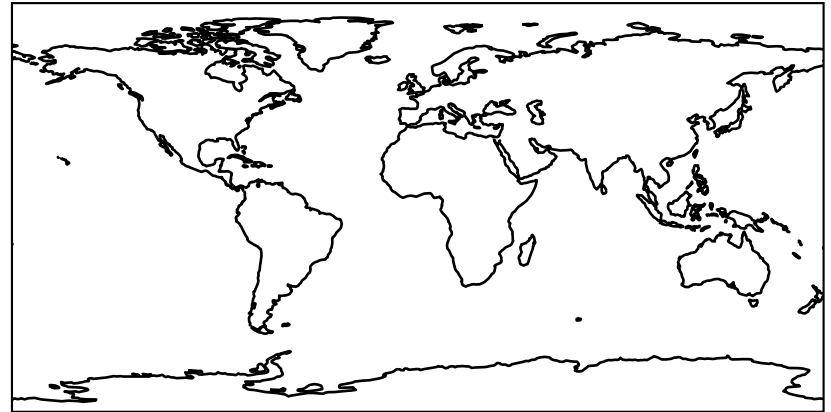
EmisC3H8_Ship (Jul2019)

EmisCH2O_Ship (Jul2019)
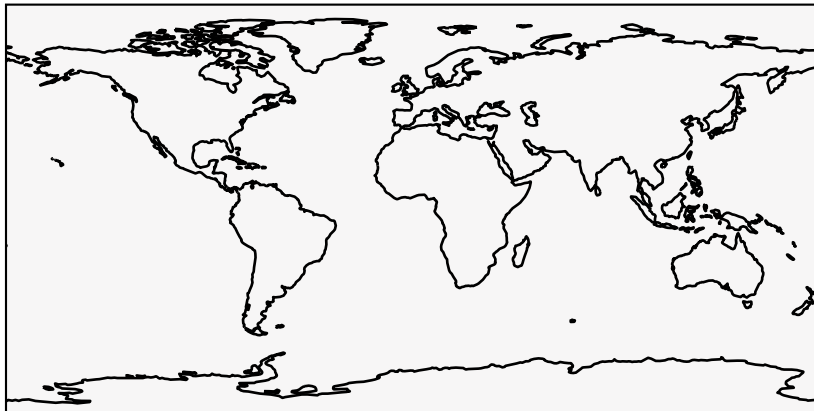

gcc-14.3.0-rc.0 (Ref)
4.0x5.0

Zero throughout domain
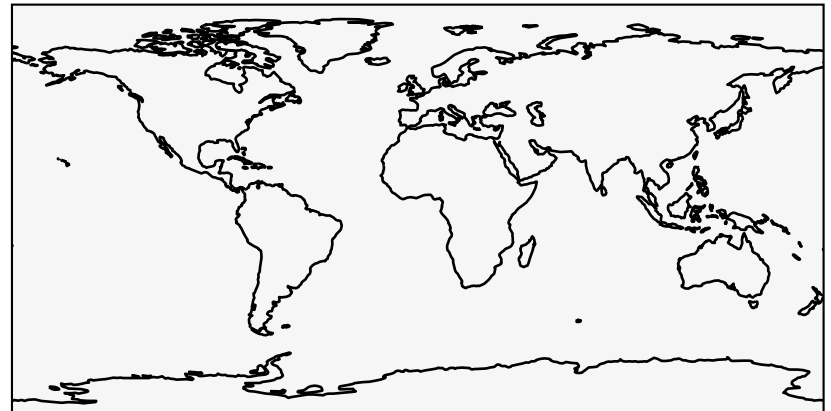kg/m2/s

gcc-14.4.0-rc.0 (Dev)
4.0x5.0

Zero throughout domain
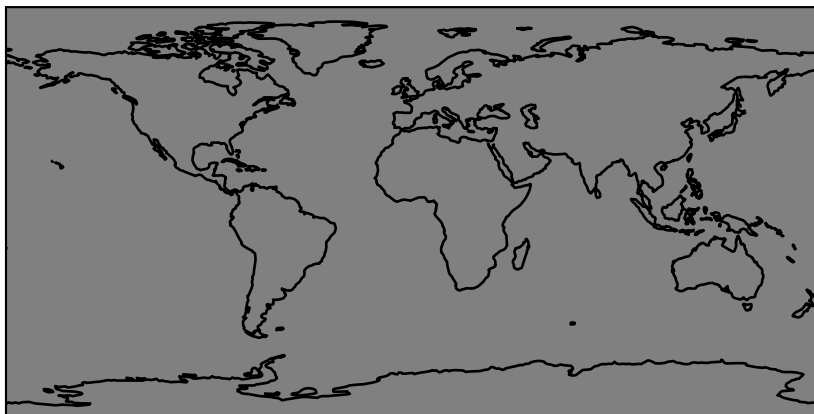kg/m2/s

Difference
Dev - Ref, Dynamic Range

Zero throughout domain
kg/m2/s

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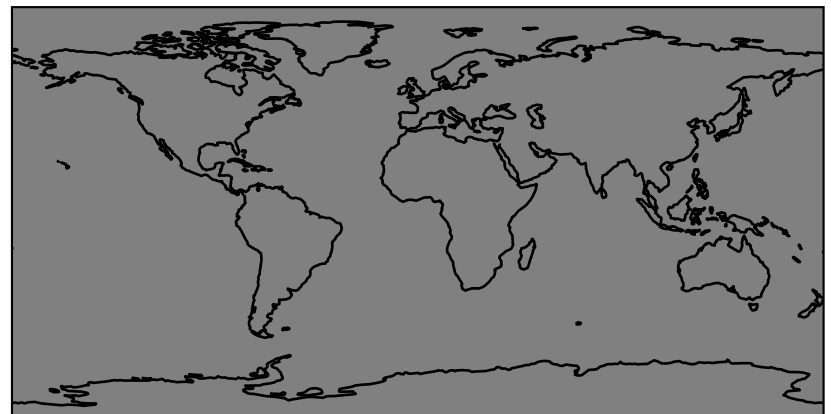Dev - Ref, Restricted Range [5%,95%]

Zero throughout domain
kg/m2/s

Ratio
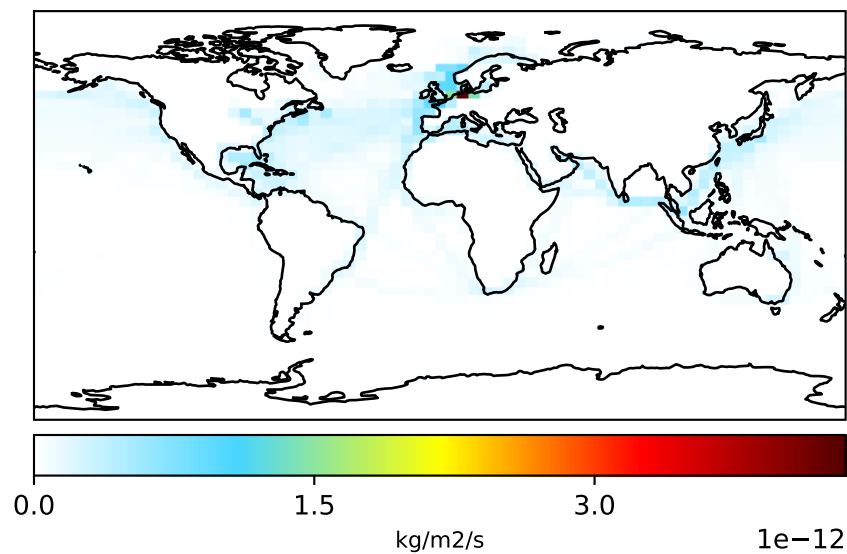Dev/Ref, Dynamic Range

Undefined throughout domain
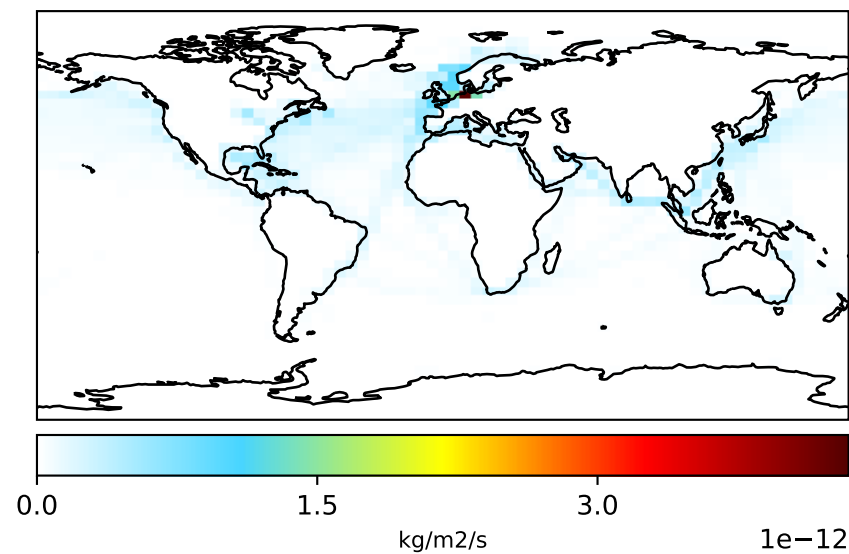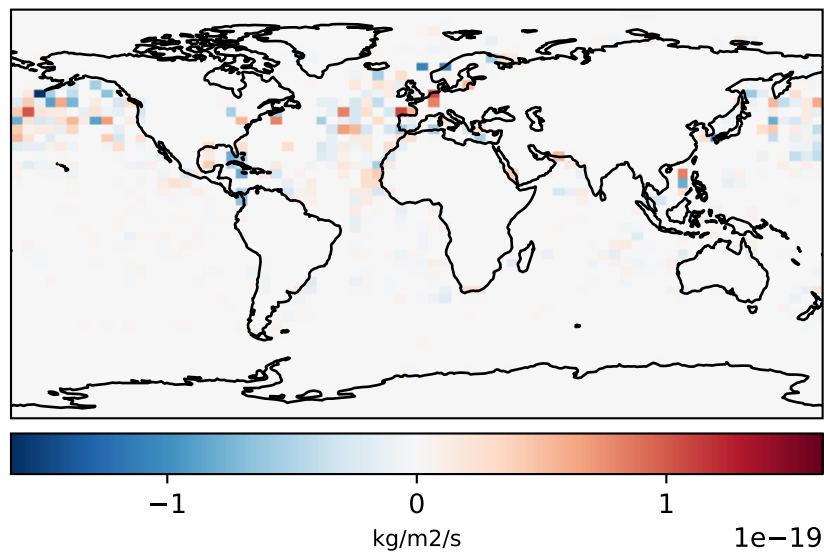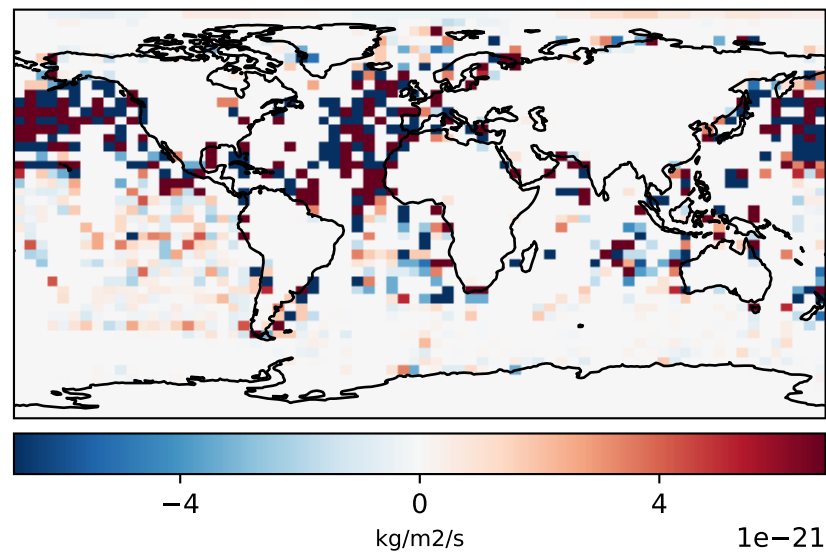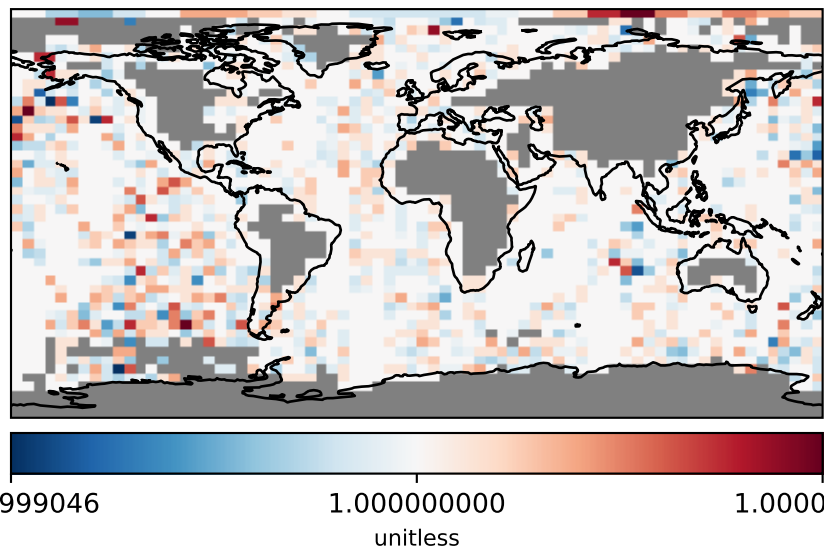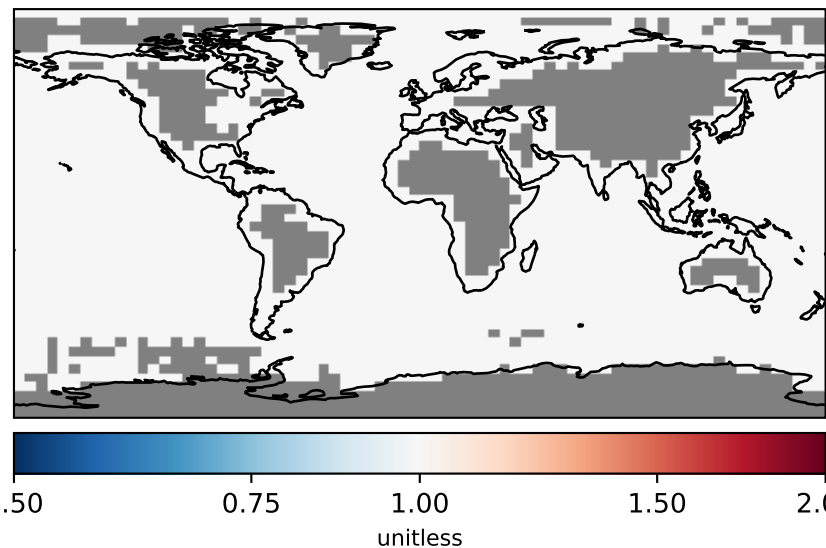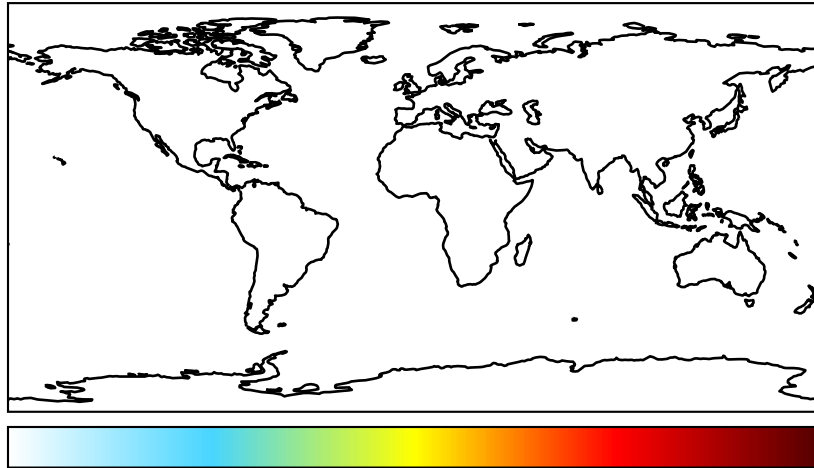unitless

Ratio
Dev/Ref, Fixed Range

Undefined throughout domain
unitless

EmisCO_Ship (Jul2019)

gcc-14.3.0-rc.0 (Ref)
4.0x5.0

gcc-14.4.0-rc.0 (Dev)
4.0x5.0

kg/m2/s   1e−12

kg/m2/s   1e−12

Difference
Dev - Ref, Dynamic Range

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

kg/m2/s   1e−19

kg/m2/s   1e−21

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range
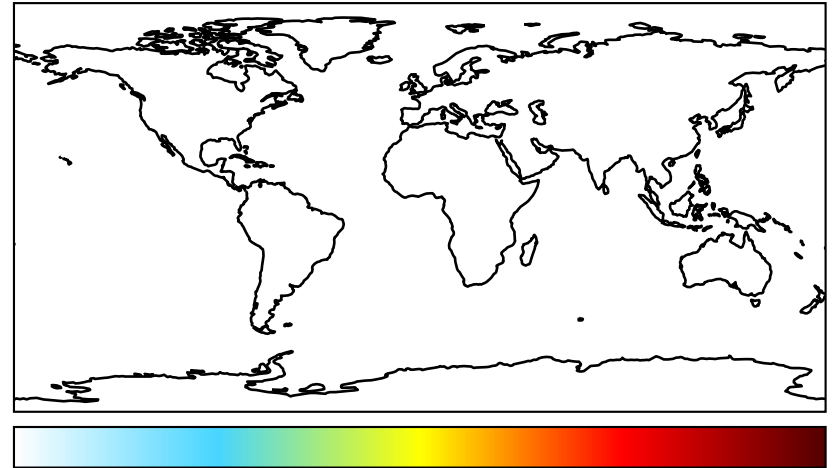
unitless

unitless

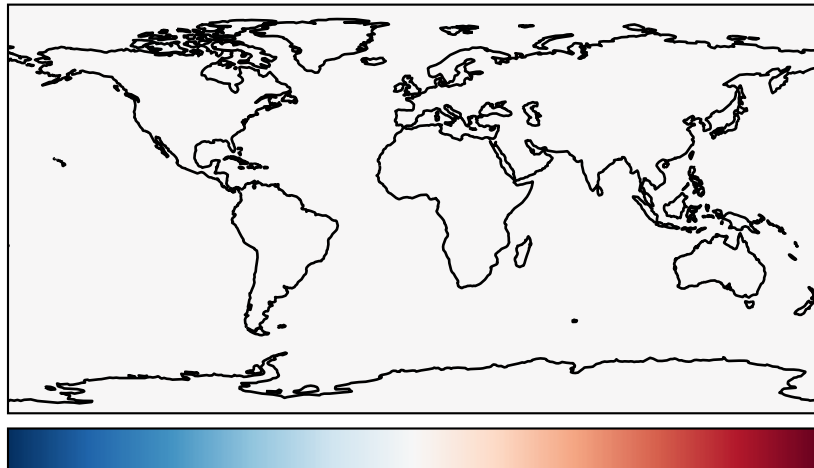# EmisEOH_Ship (Jul2019)

gcc-14.3.0-rc.0 (Ref)
4.0x5.0

Zero throughout domain

kg/m2/s

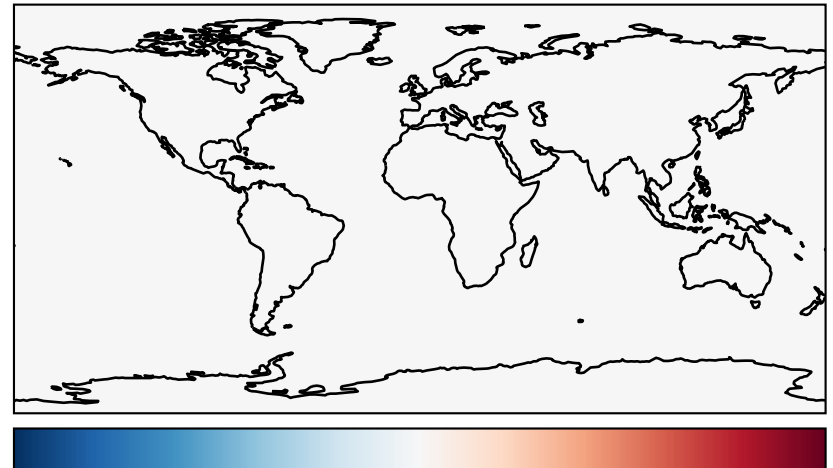gcc-14.4.0-rc.0 (Dev)
4.0x5.0

Zero throughout domain

kg/m2/s

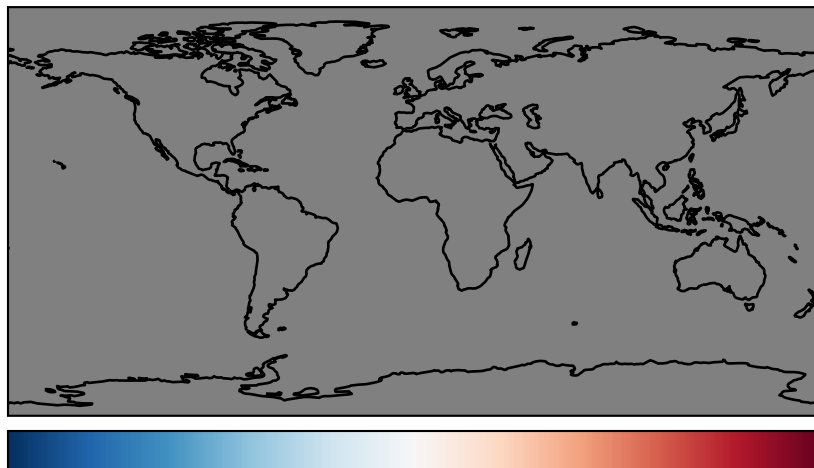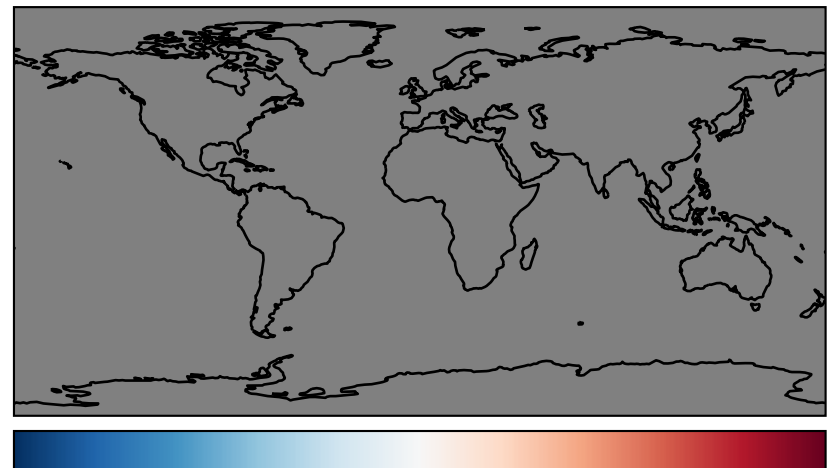Difference
Dev - Ref, Dynamic Range

Zero throughout domain

kg/m2/s

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

Zero throughout domain

kg/m2/s

Ratio
Dev/Ref, Dynamic Range
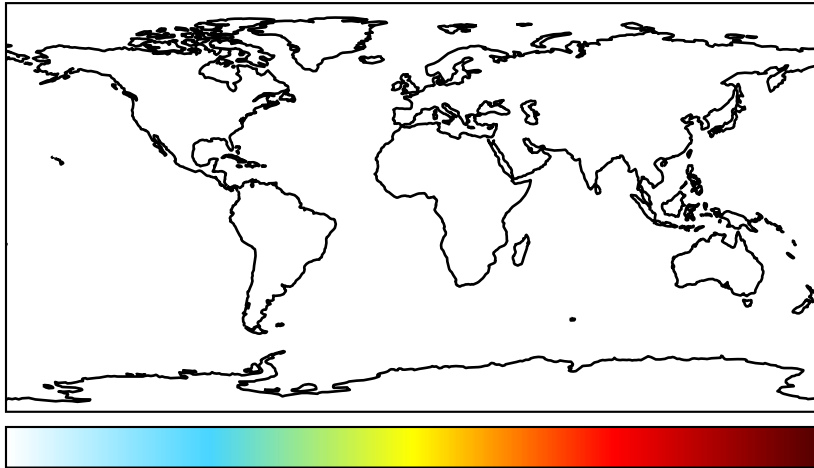
Undefined throughout domain

unitless

Ratio
Dev/Ref, Fixed Range
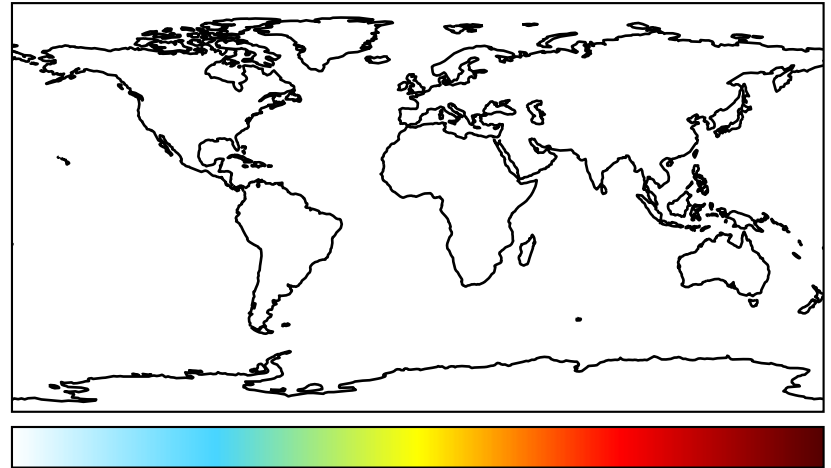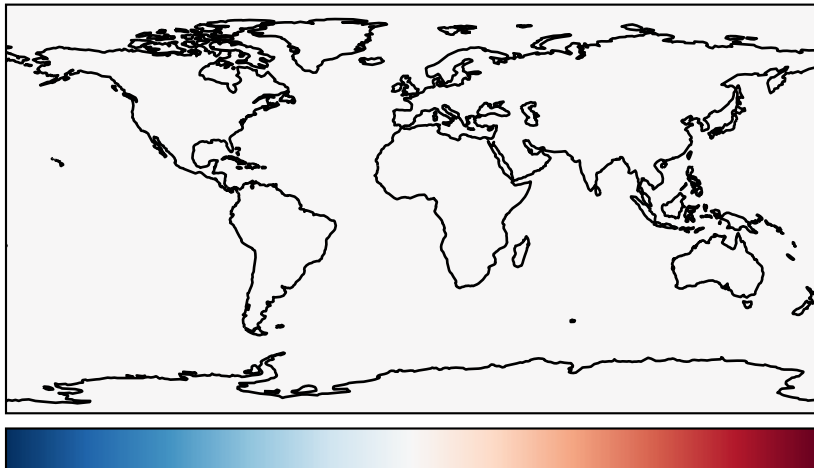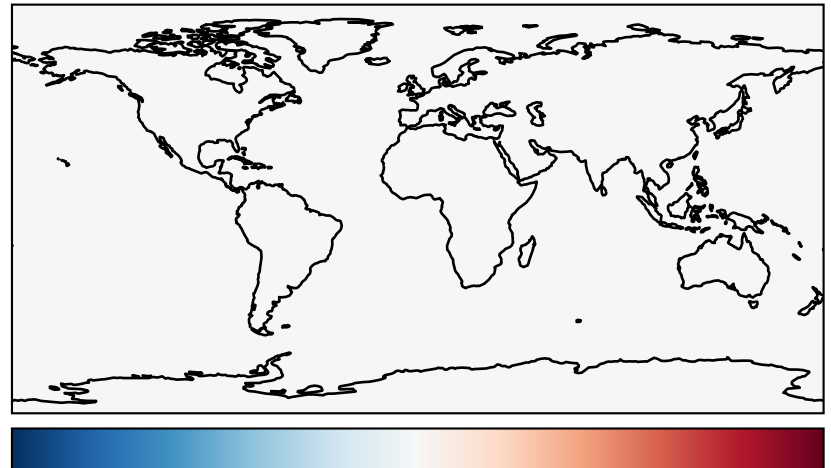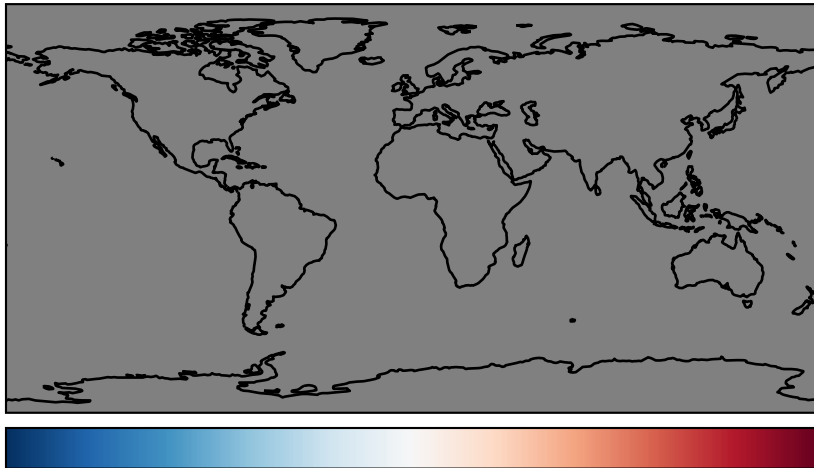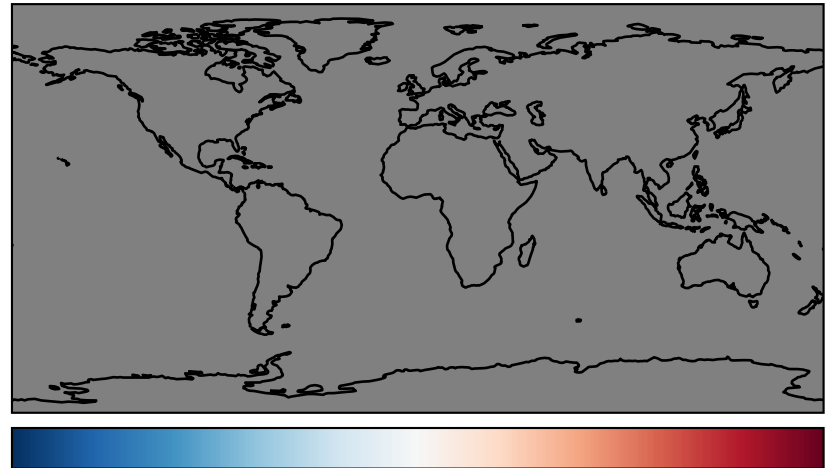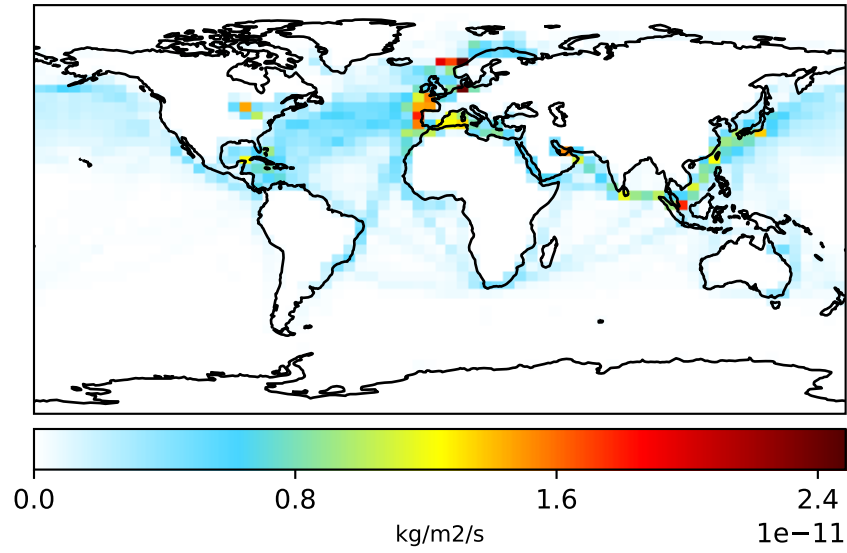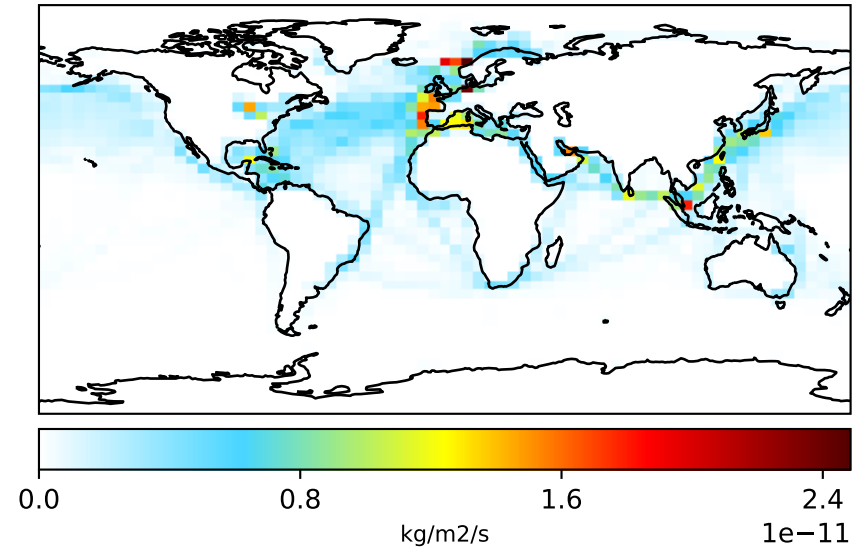
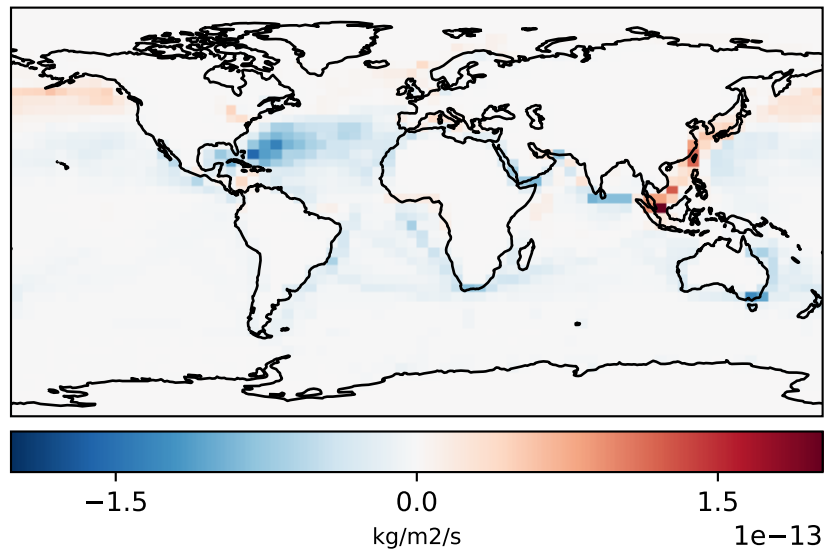Undefined throughout domain

unitless

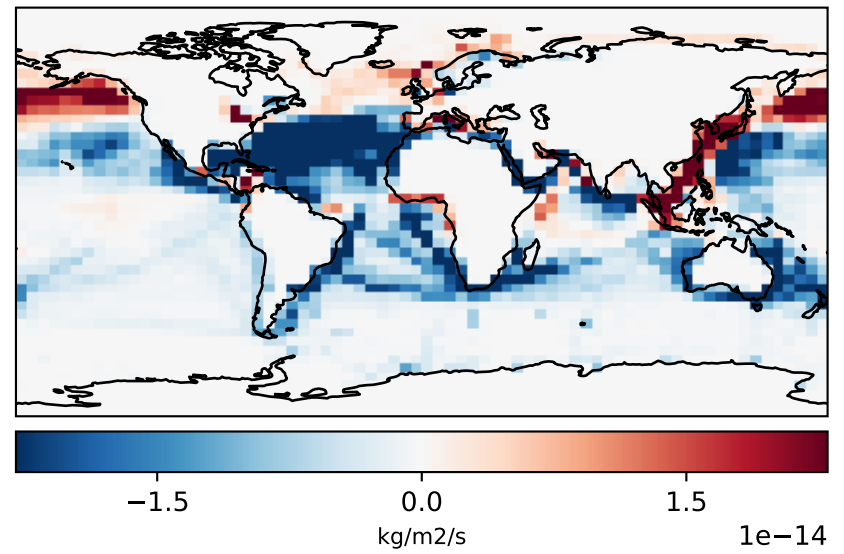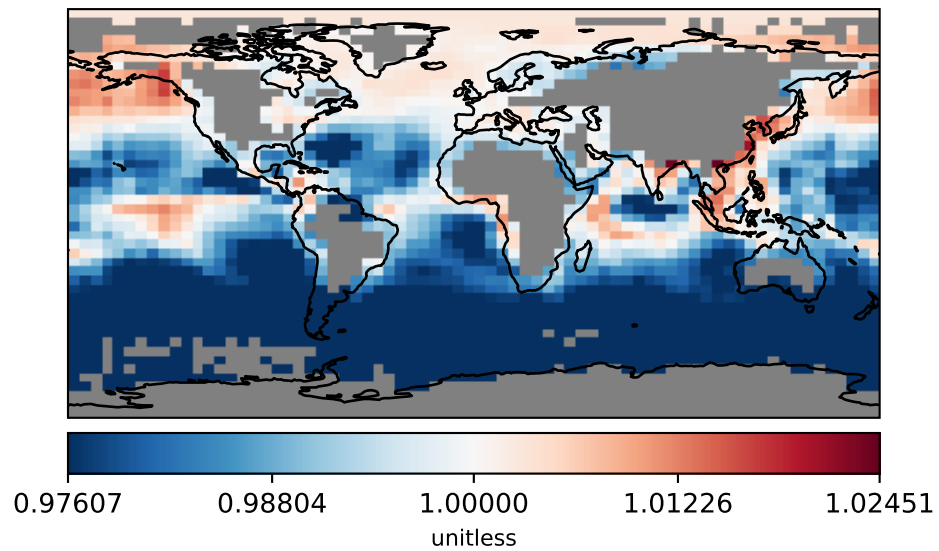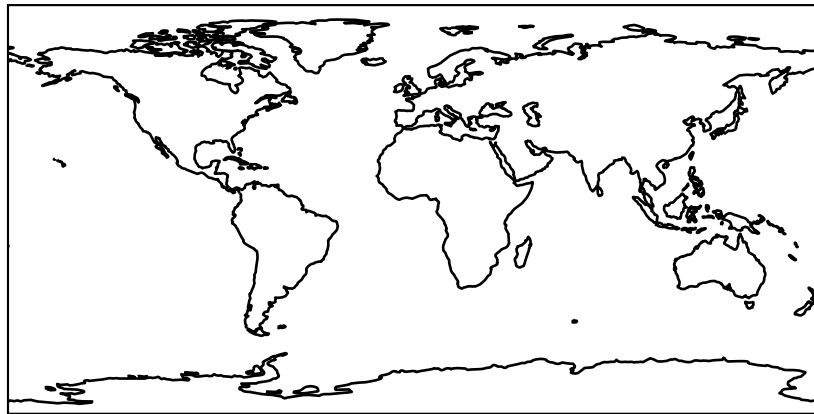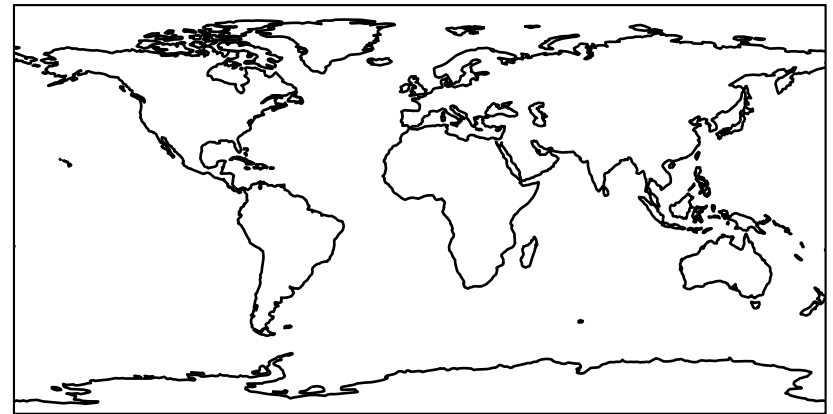# EmisHCOOH_Ship (Jul2019)
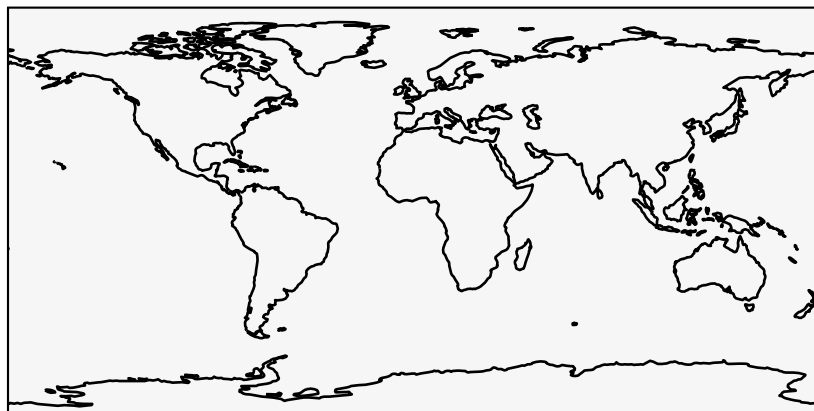

gcc-14.3.0-rc.0 (Ref)
4.0x5.0

Zero throughout domain
kg/m2/s

gcc-14.4.0-rc.0 (Dev)
4.0x5.0

Zero throughout domain
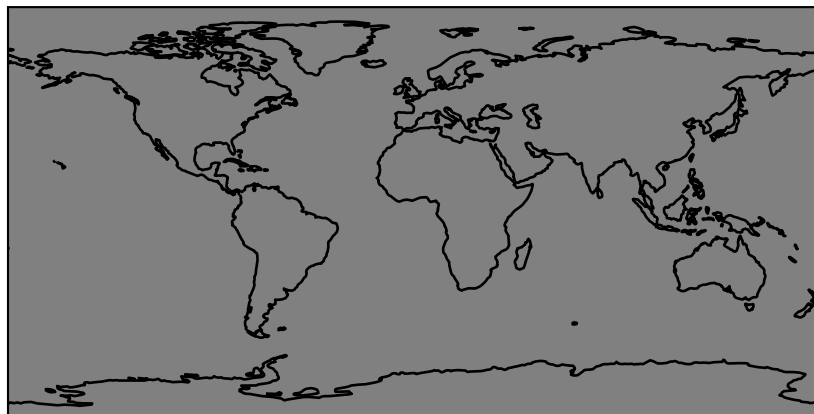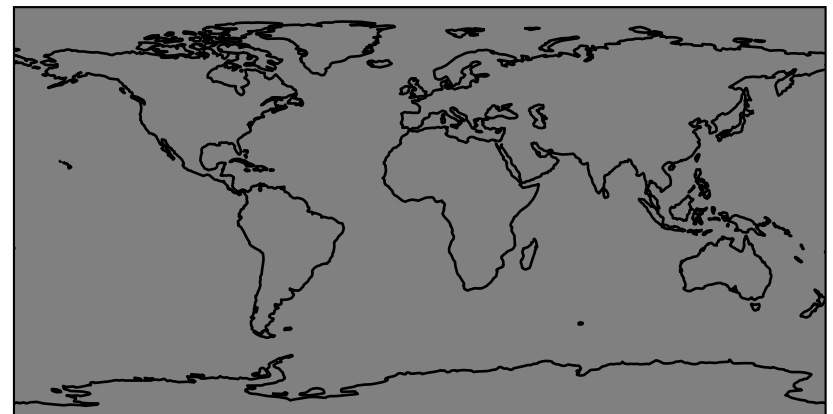kg/m2/s

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
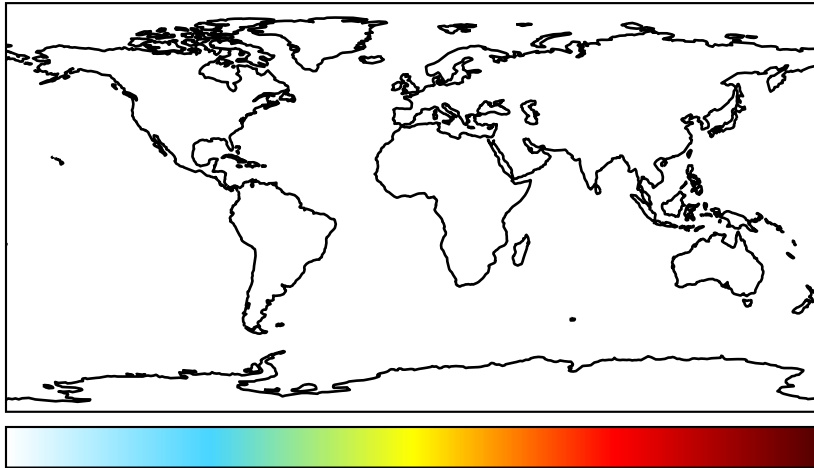Dev/Ref, Dynamic Range

Undefined throughout domain
unitless

Ratio
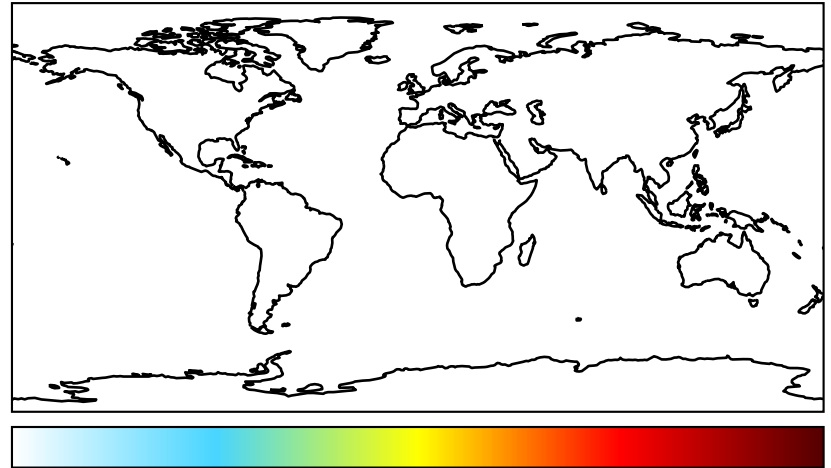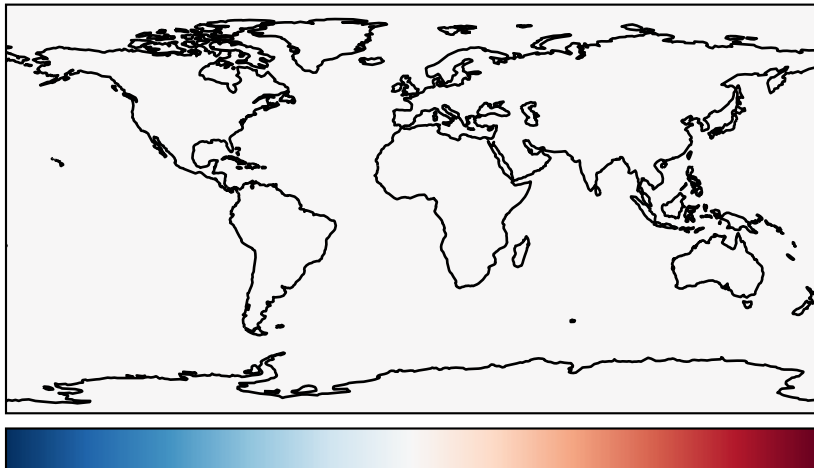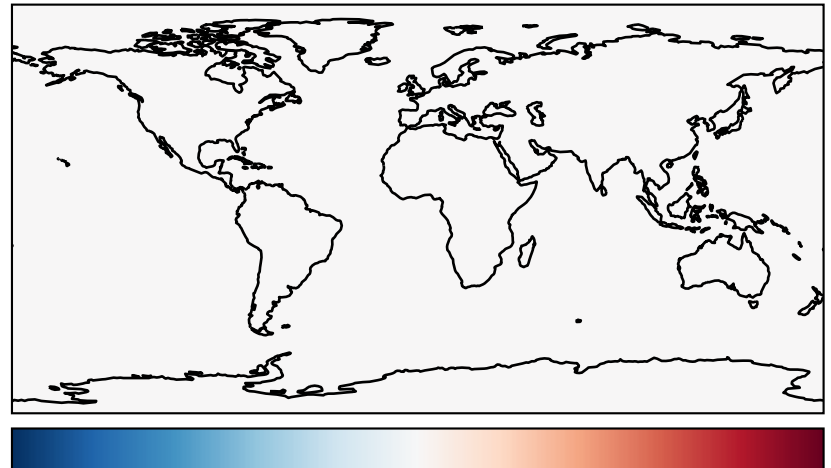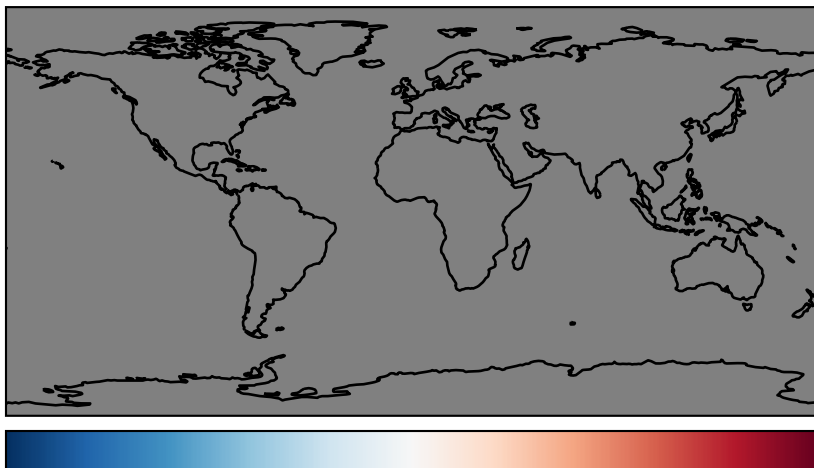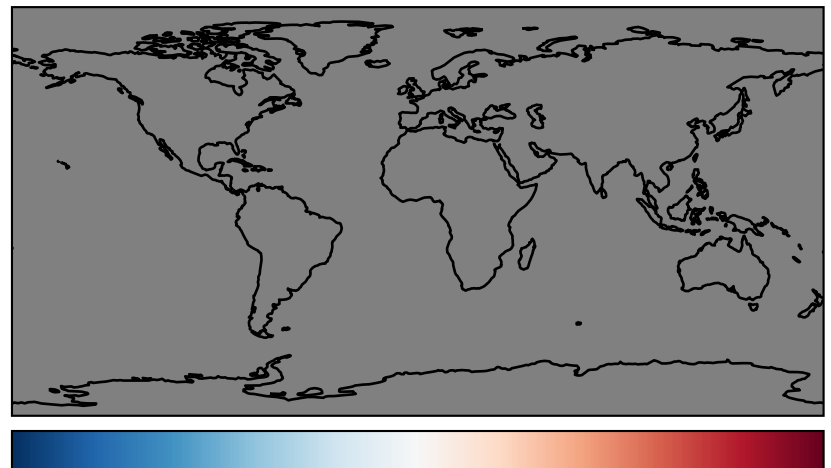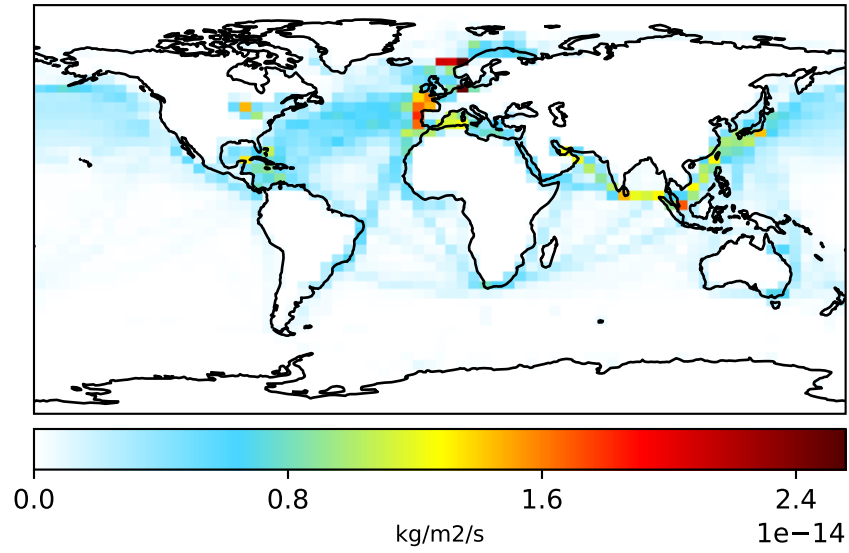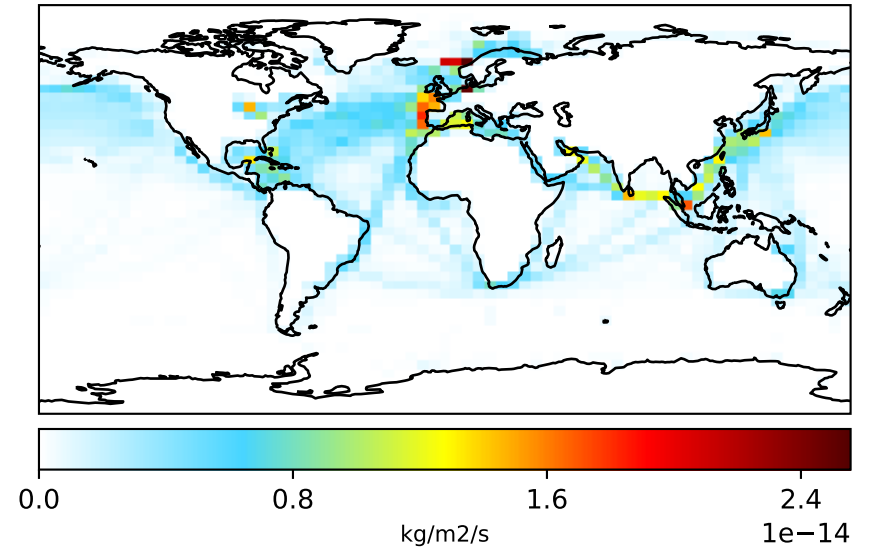Dev/Ref, Fixed Range

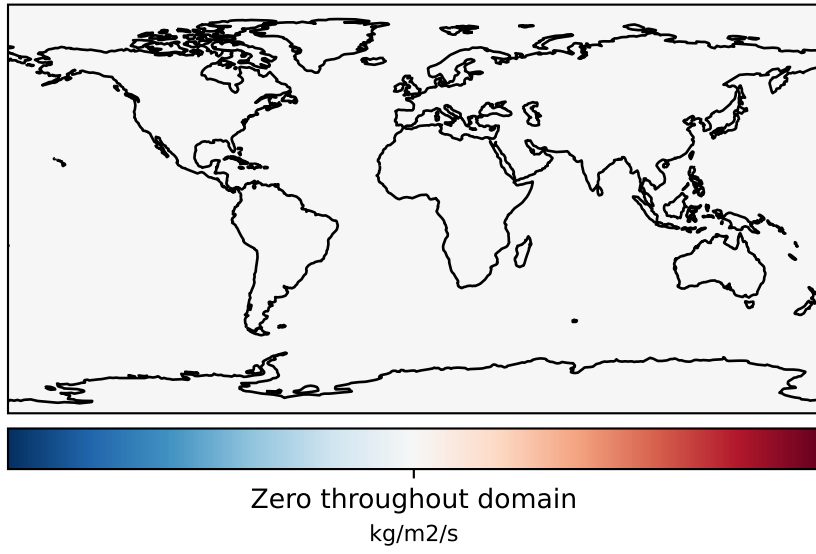Undefined throughout domain
unitless

EmisHNO3_Ship (Jul2019)
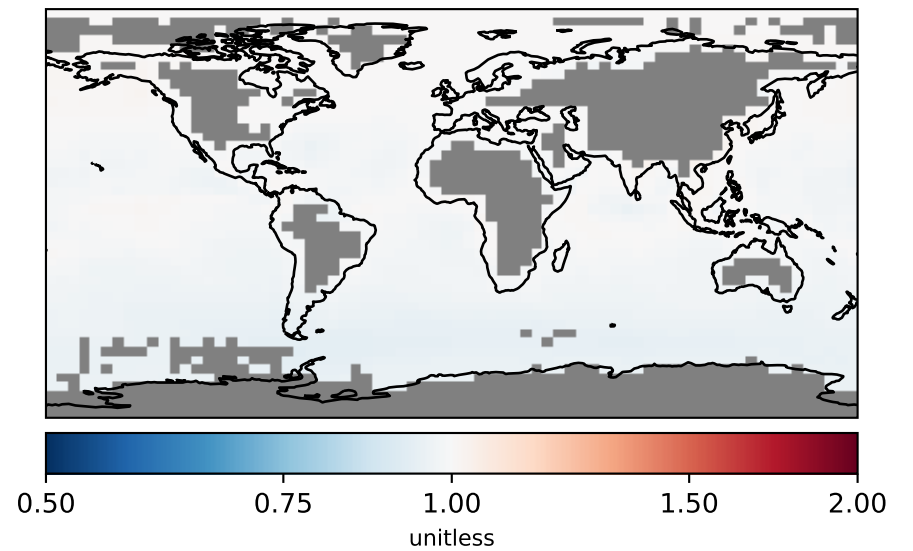
EmisMEK_Ship (Jul2019)

gcc-14.3.0-rc.0 (Ref)
4.0x5.0

Zero throughout domain
kg/m2/s

gcc-14.4.0-rc.0 (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

EmisMOH_Ship (Jul2019)

gcc-14.3.0-rc.0 (Ref)
4.0x5.0

Zero throughout domain
kg/m2/s

gcc-14.4.0-rc.0 (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

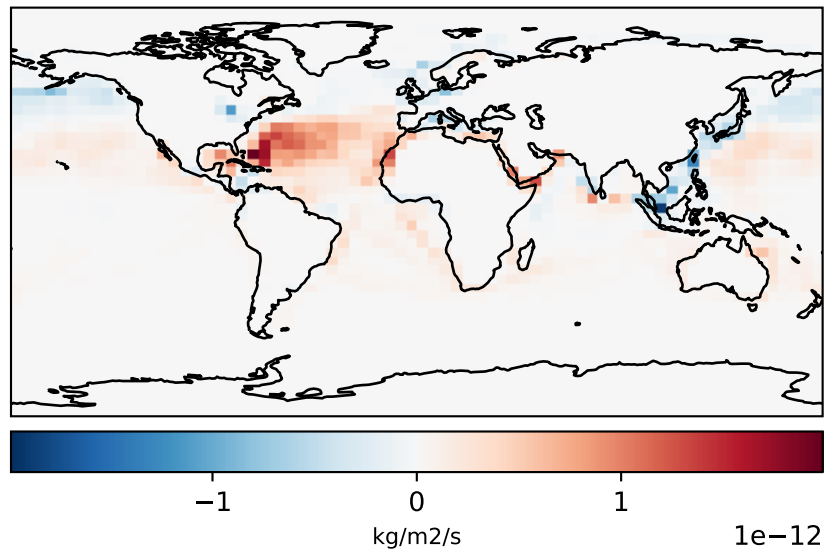Undefined throughout domain
unitless

EmisNH3_Ship (Jul2019)

gcc-14.3.0-rc.0 (Ref)
4.0x5.0
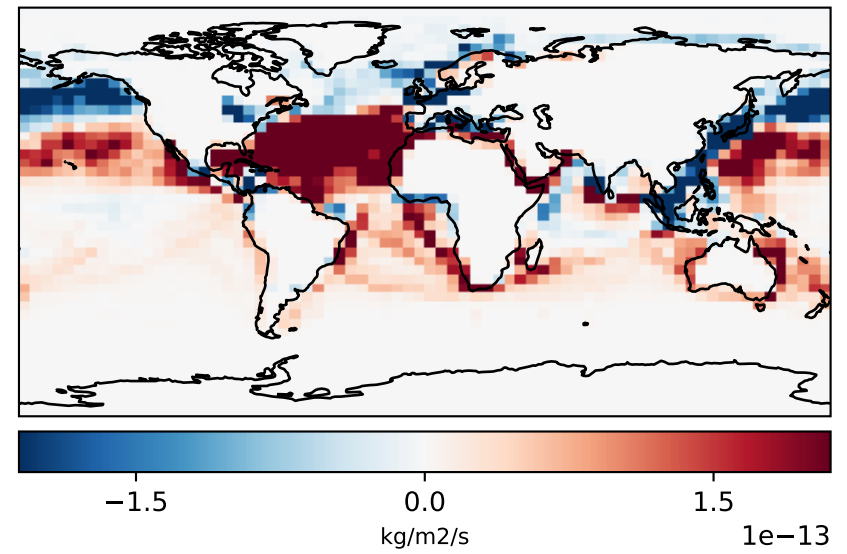
gcc-14.4.0-rc.0 (Dev)
4.0x5.0

kg/m2/s

Difference
Dev - Ref, Dynamic Range

Difference
Dev - Ref, Restricted Range [5%,95%]
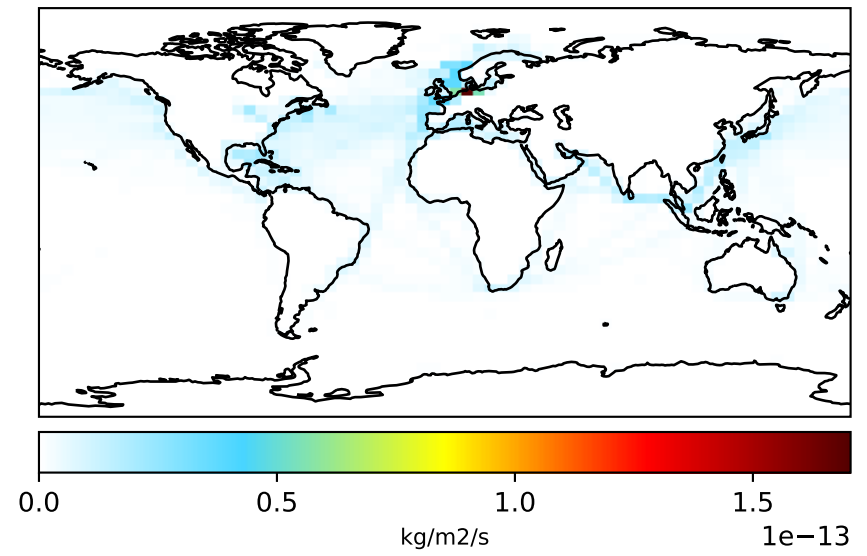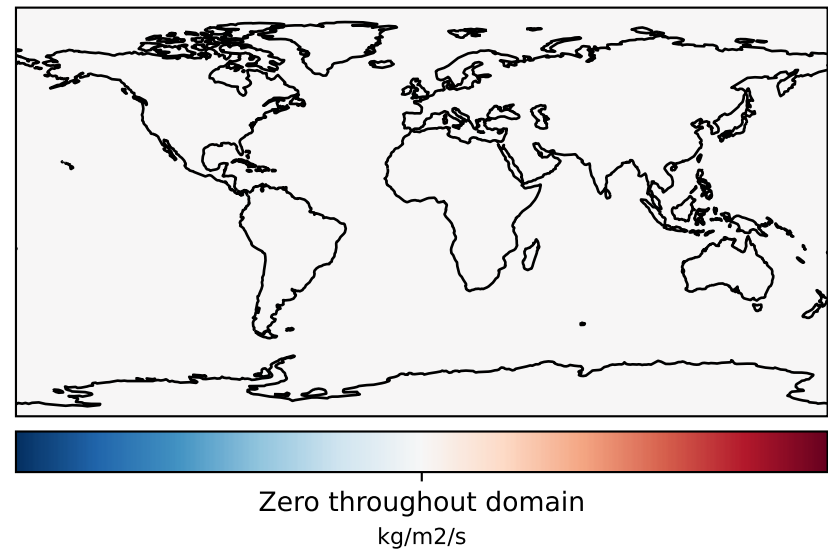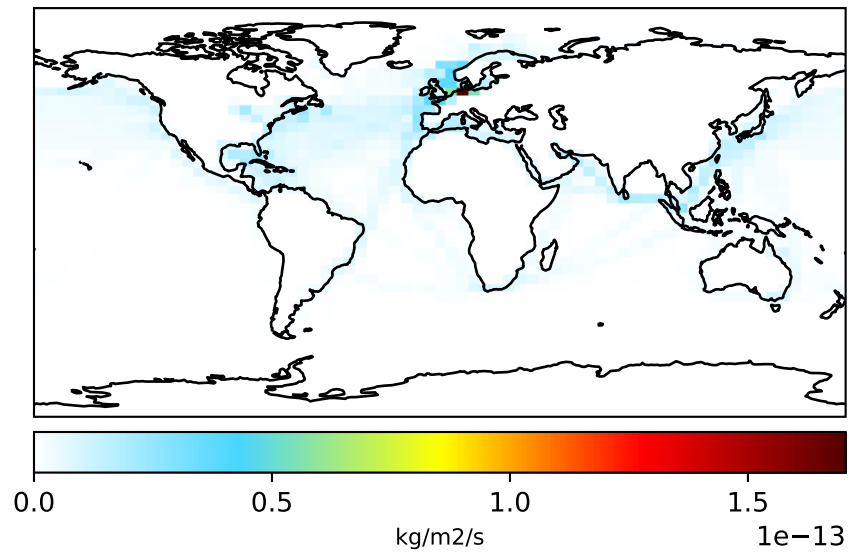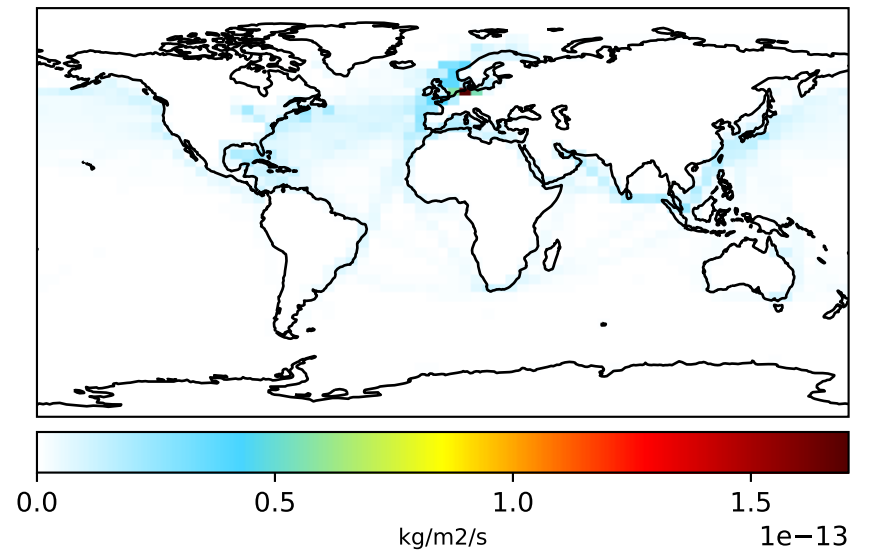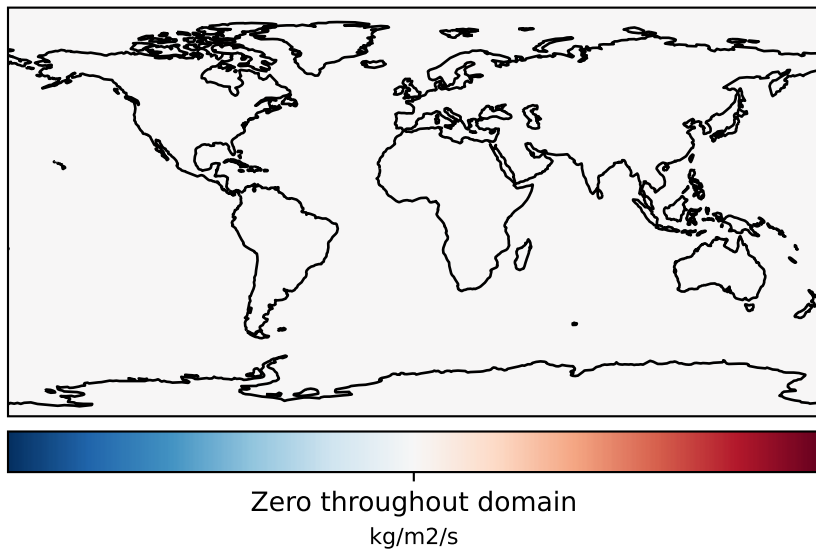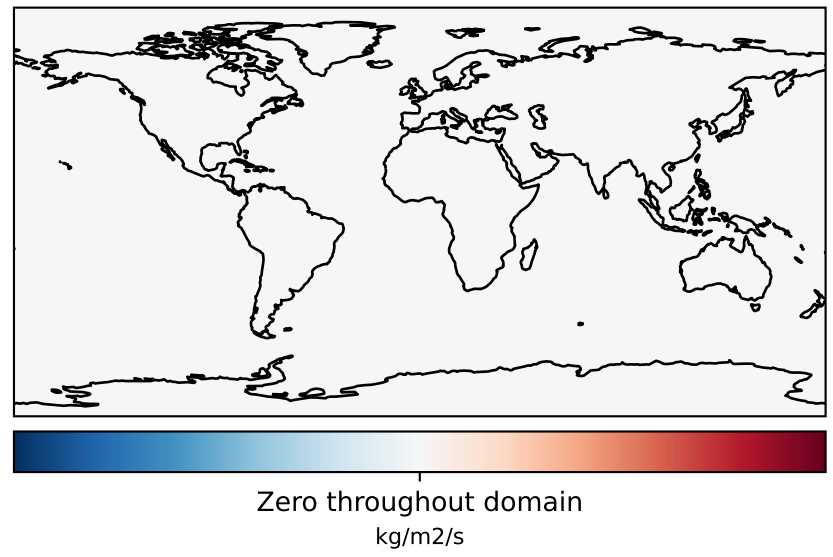
Zero throughout domain
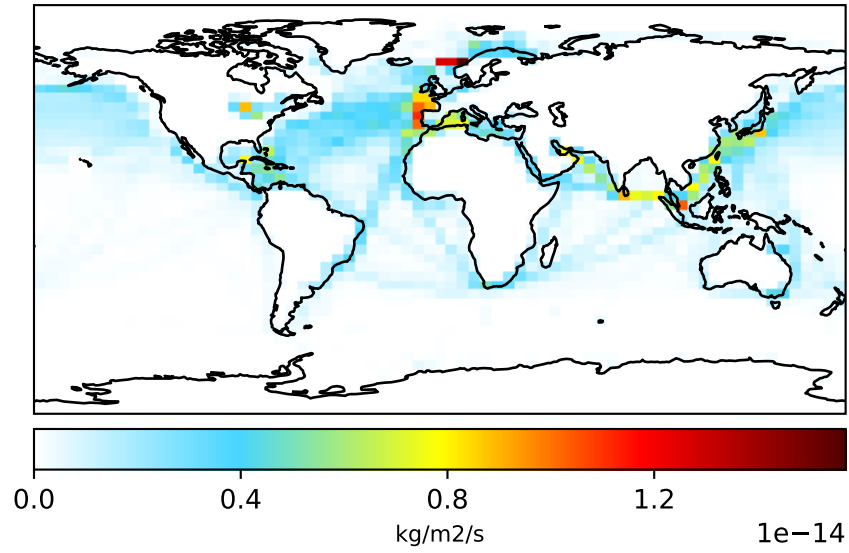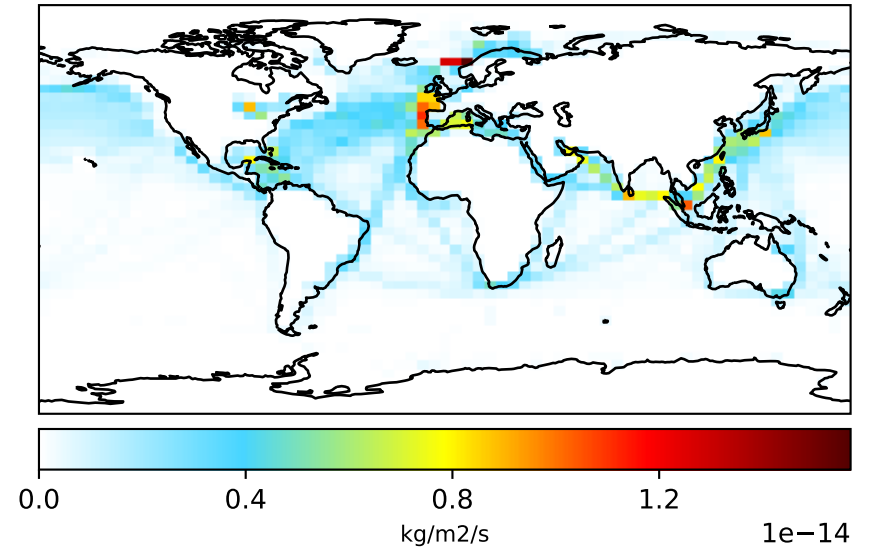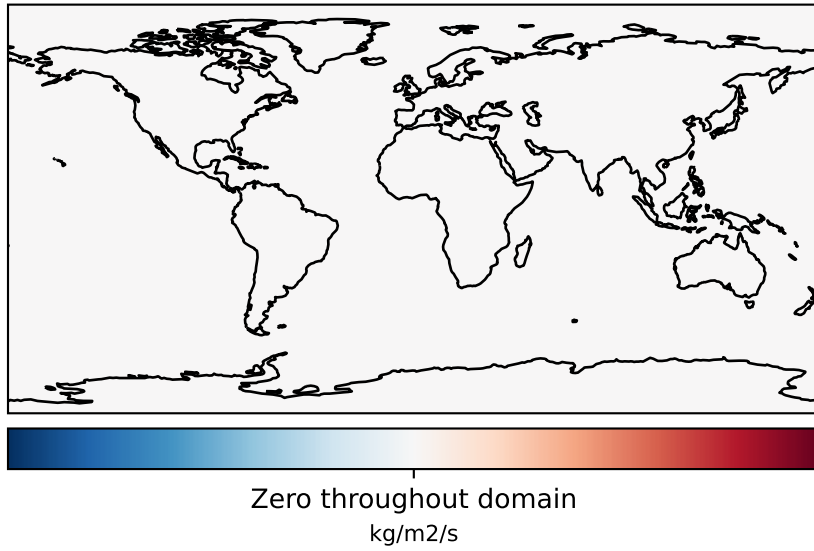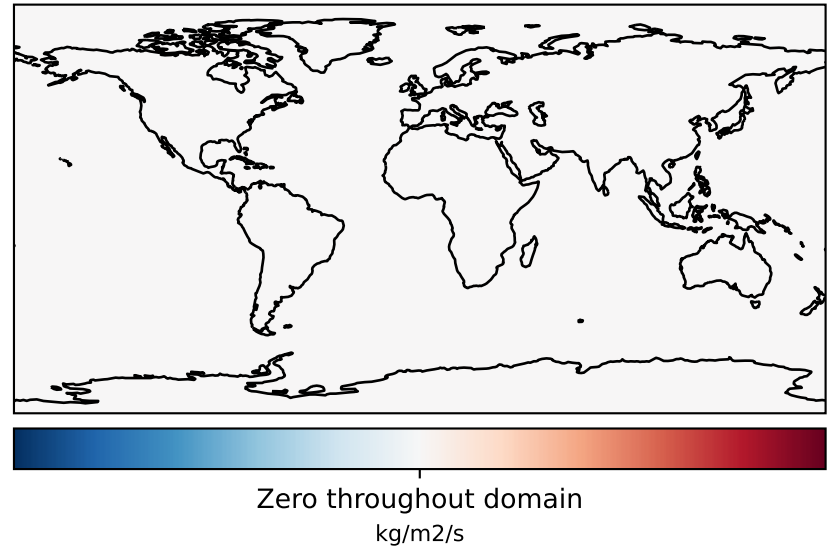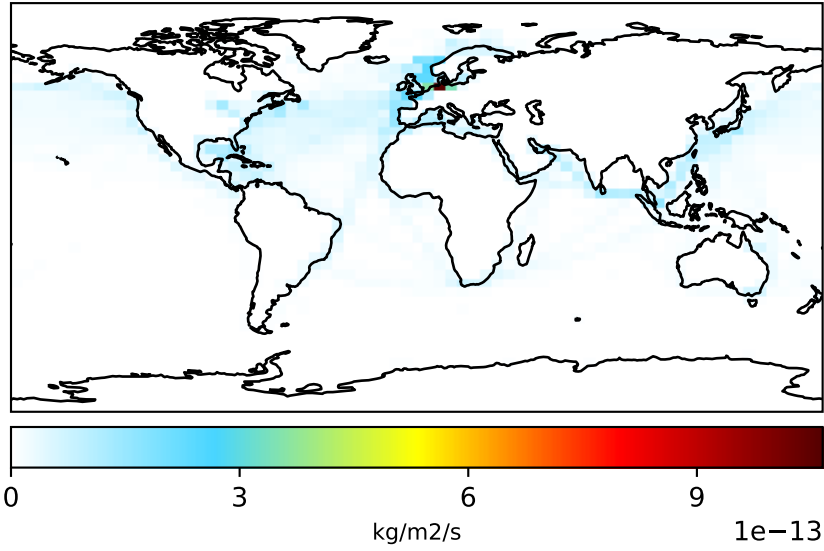kg/m2/s

Zero throughout domain
kg/m2/s

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

Ref and Dev equal throughout domain
unitless

EmisNO2_Ship (Jul2019)

EmisNO_Ship (Jul2019)

EmisO3_Ship (Jul2019)

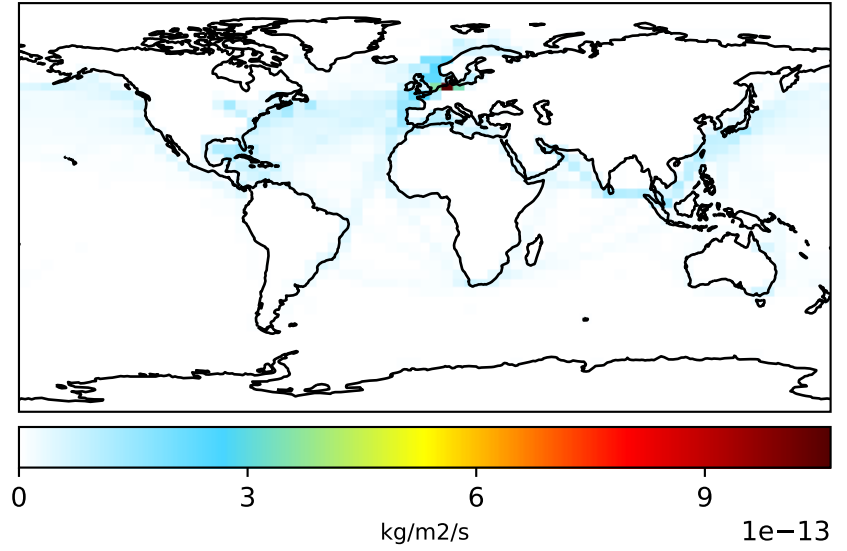# EmisOCPI_Ship (Jul2019)

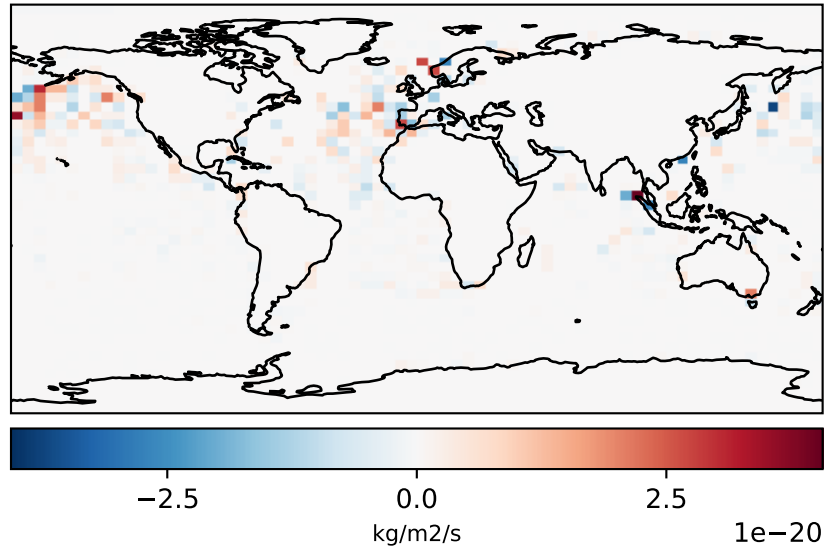# EmisOCPO_Ship (Jul2019)
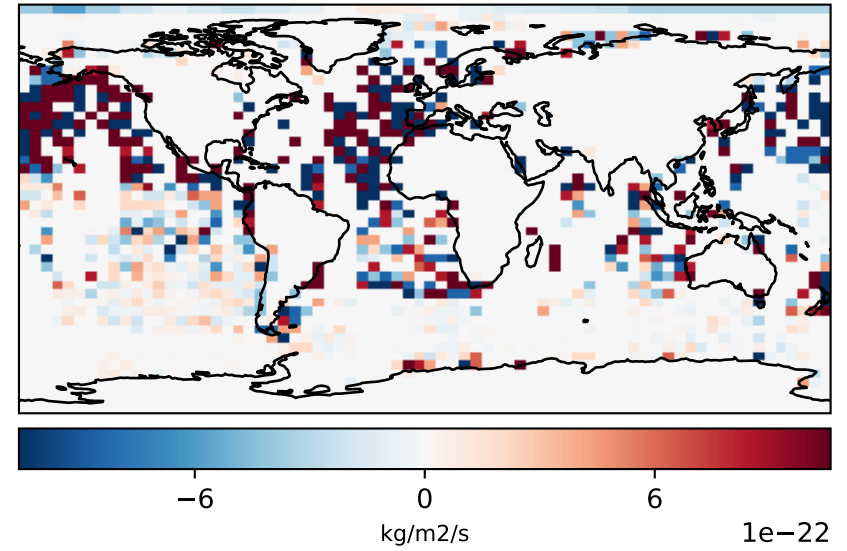
EmispFe_Ship (Jul2019)

gcc-14.3.0-rc.0 (Ref)
4.0x5.0

gcc-14.4.0-rc.0 (Dev)
4.0x5.0

kg/m2/s

Difference
Dev - Ref, Dynamic Range

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

Zero throughout domain
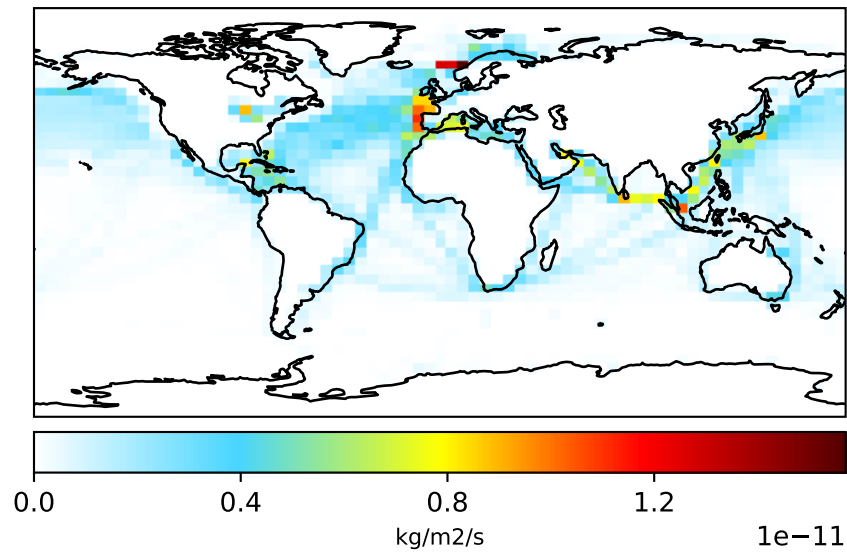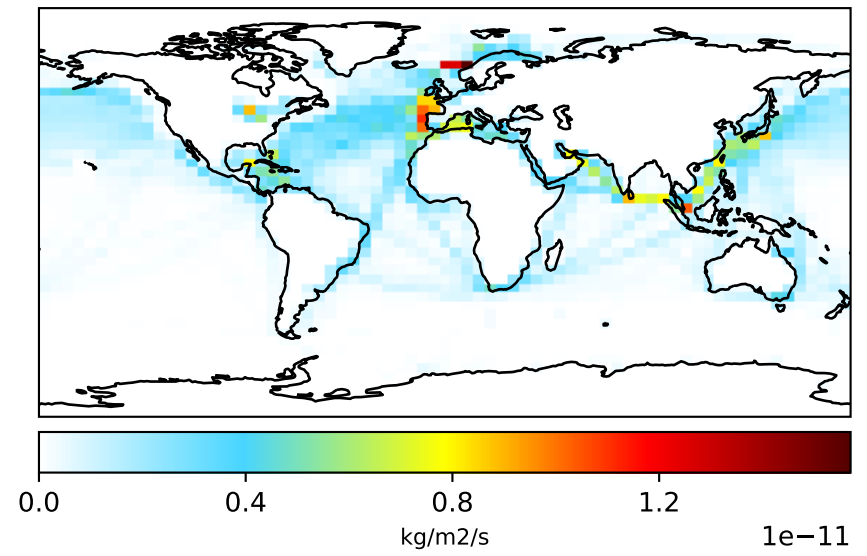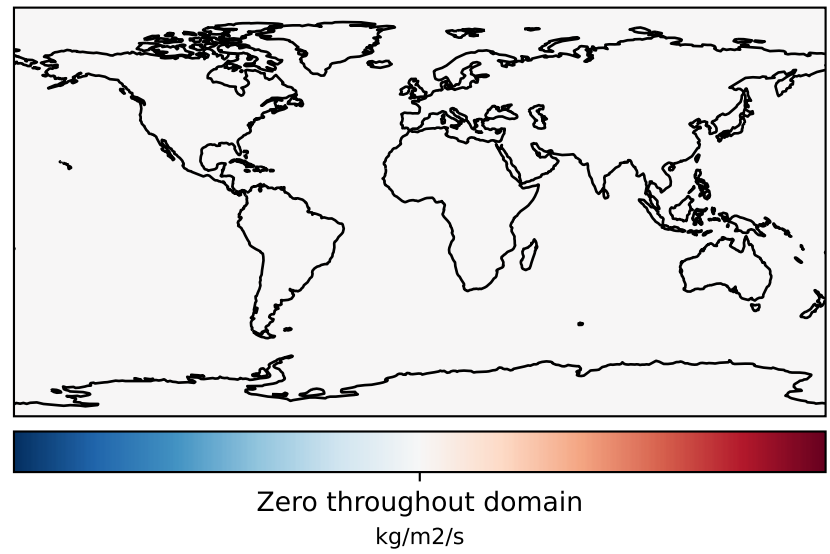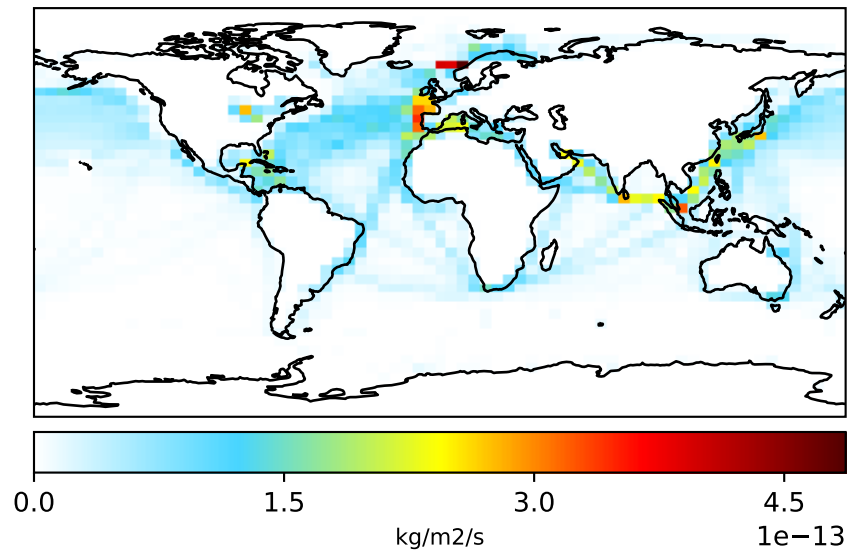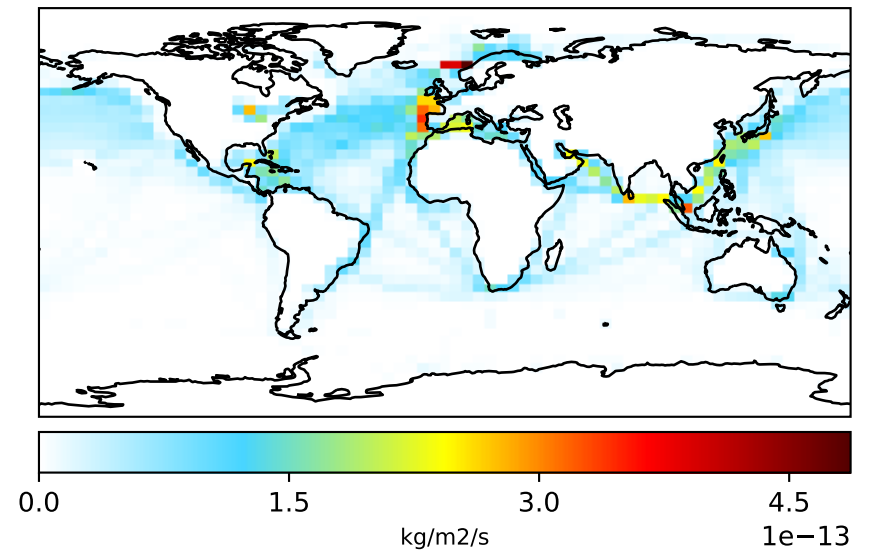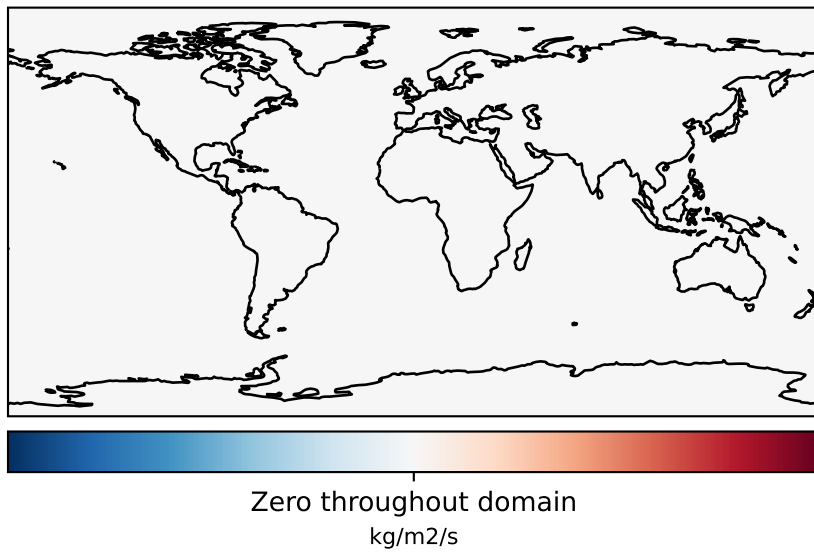kg/m2/s

Zero throughout domain
kg/m2/s

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

Ref and Dev equal throughout domain
unitless
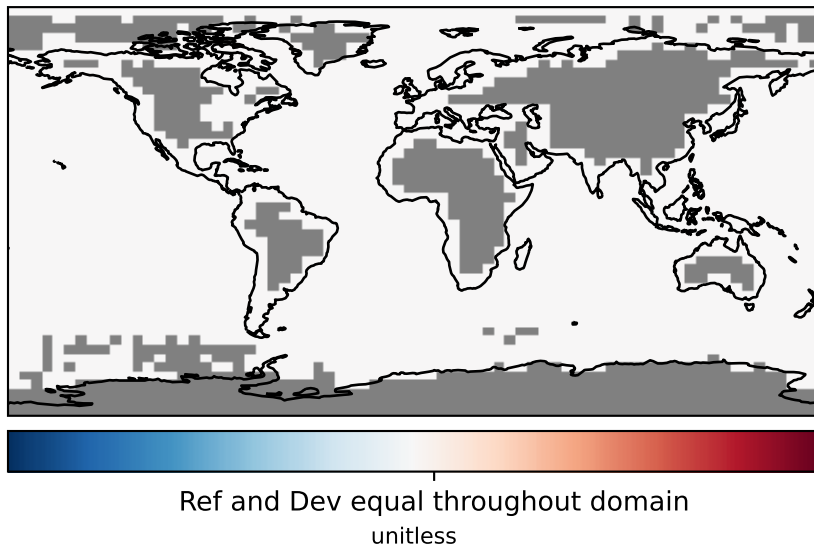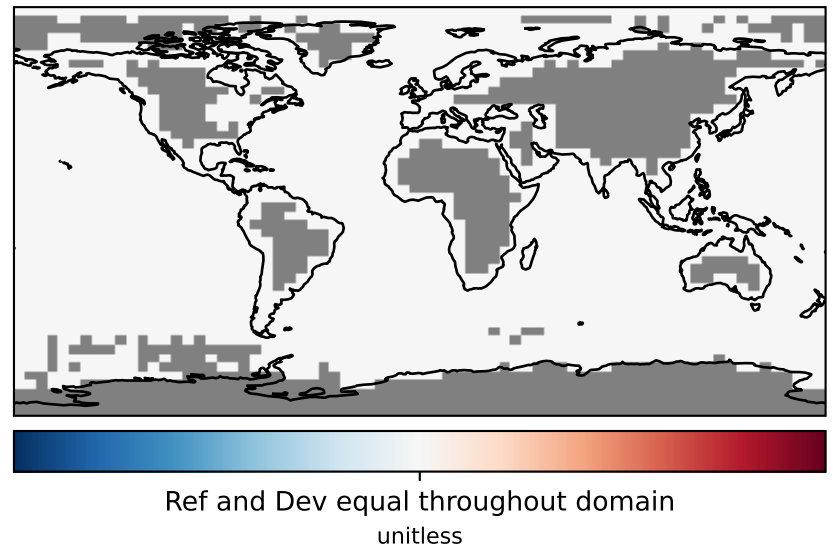
EmisPRPE_Ship (Jul2019)
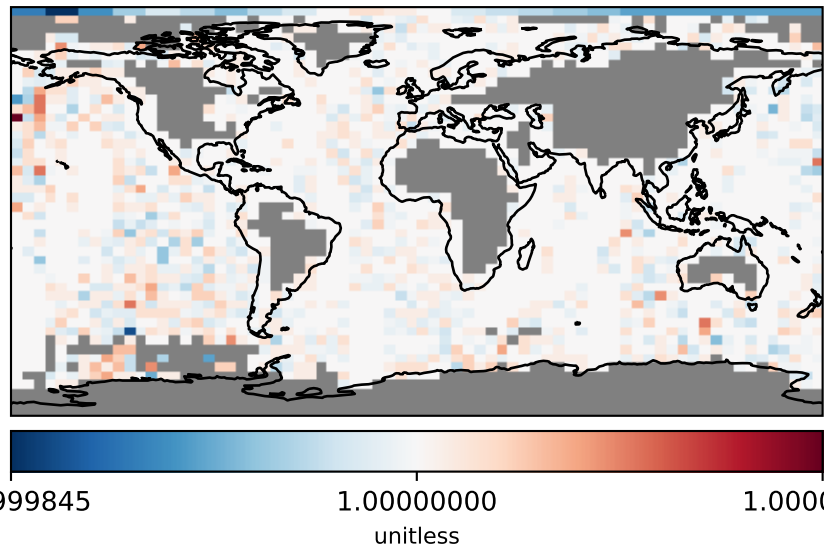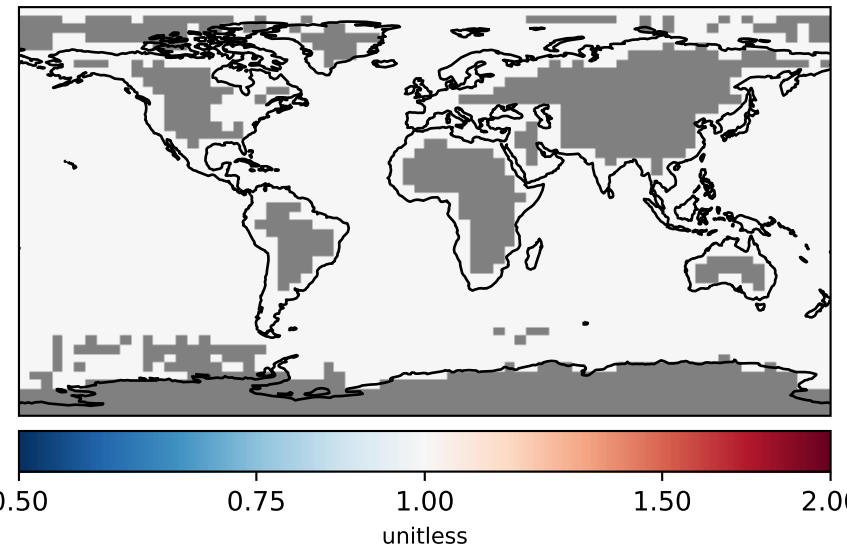
EmisSO2_Ship (Jul2019)

gcc-14.3.0-rc.0 (Ref)
4.0x5.0

gcc-14.4.0-rc.0 (Dev)
4.0x5.0

kg/m2/s

kg/m2/s

Difference
Dev - Ref, Dynamic Range

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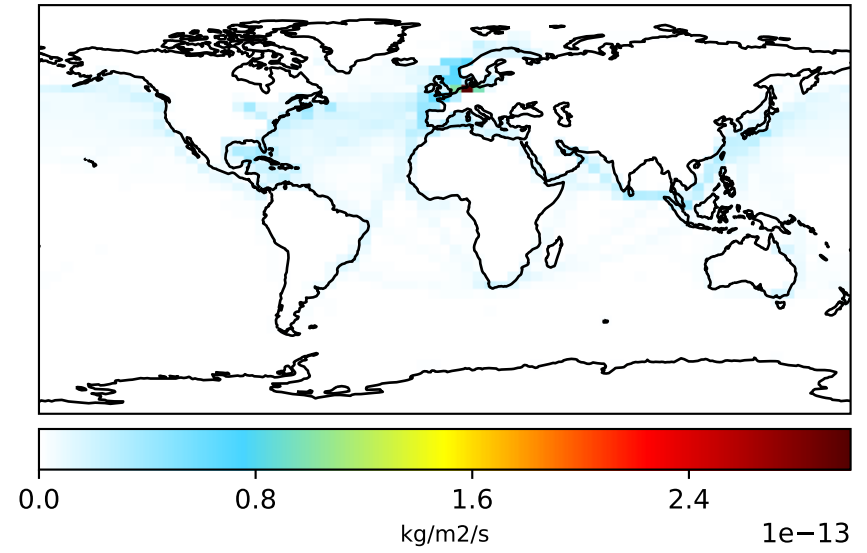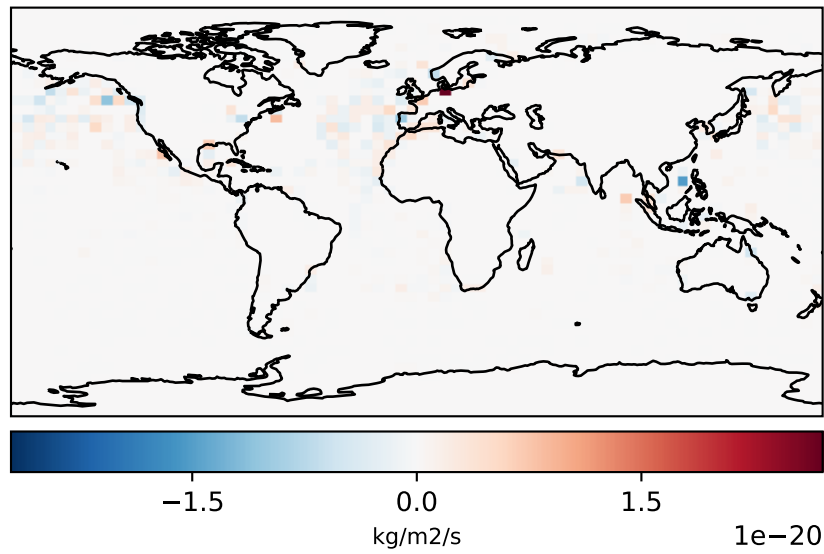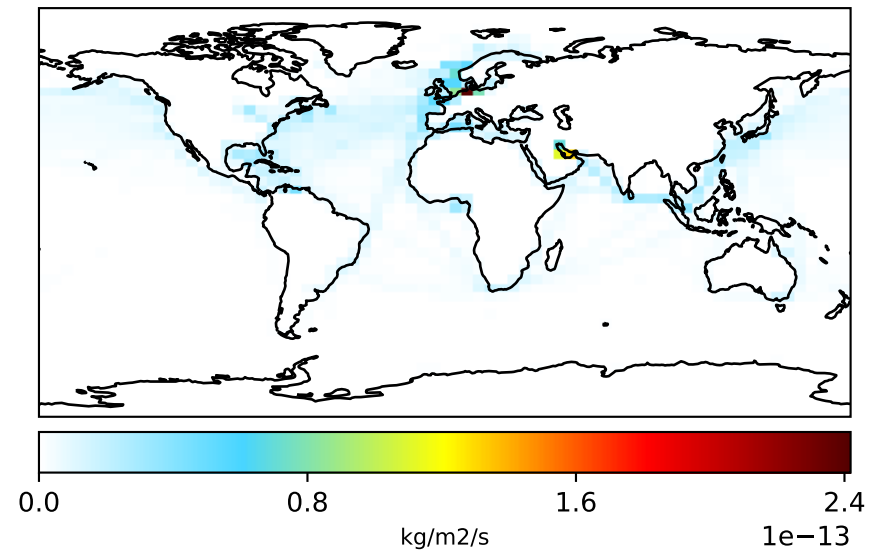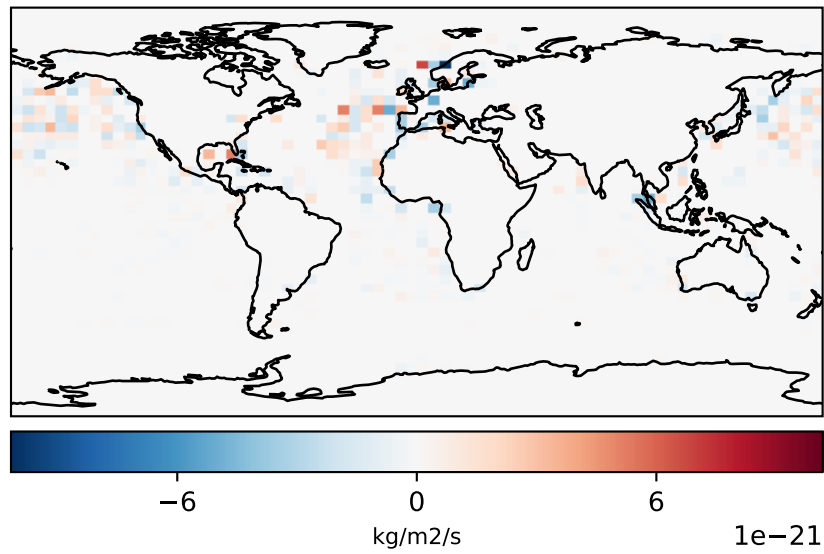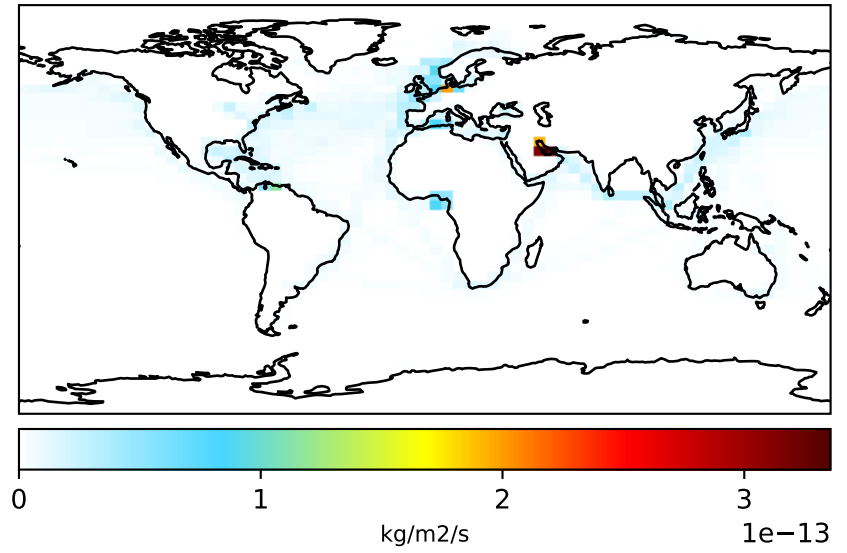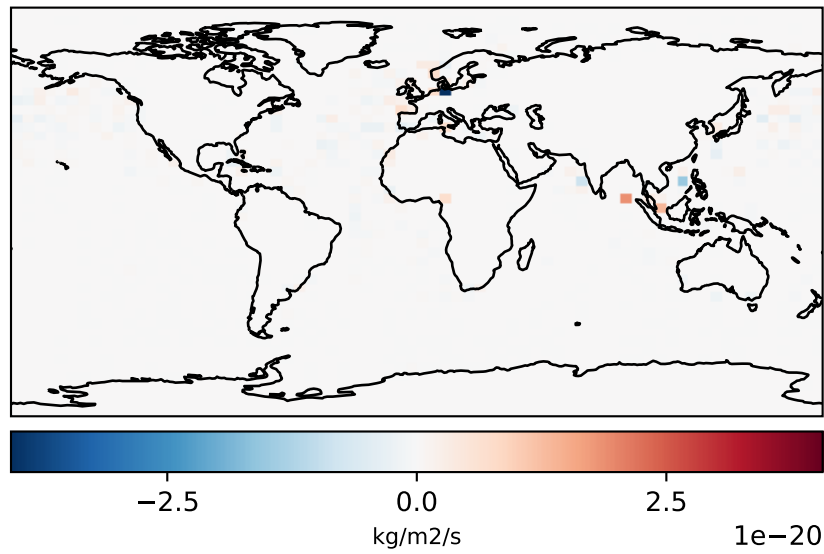Dev - Ref, Restricted Range [5%,95%]

Zero throughout domain
kg/m2/s

Zero throughout domain
kg/m2/s

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

Ref and Dev equal throughout domain
unitless

EmisSO4_Ship (Jul2019)

EmisSOAP_Ship (Jul2019)

EmisTOLU_Ship (Jul2019)

EmisXYLE_Ship (Jul2019)