# EmisBrSALA_Natural (Jan2019)
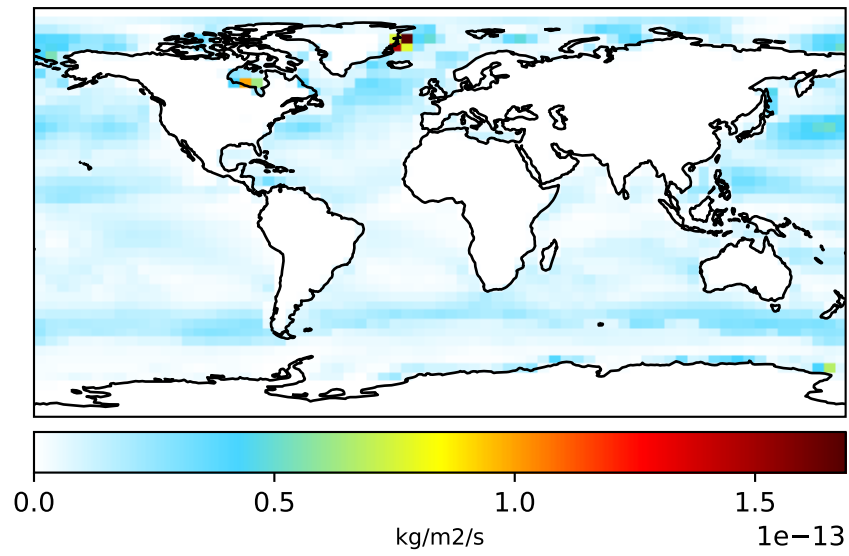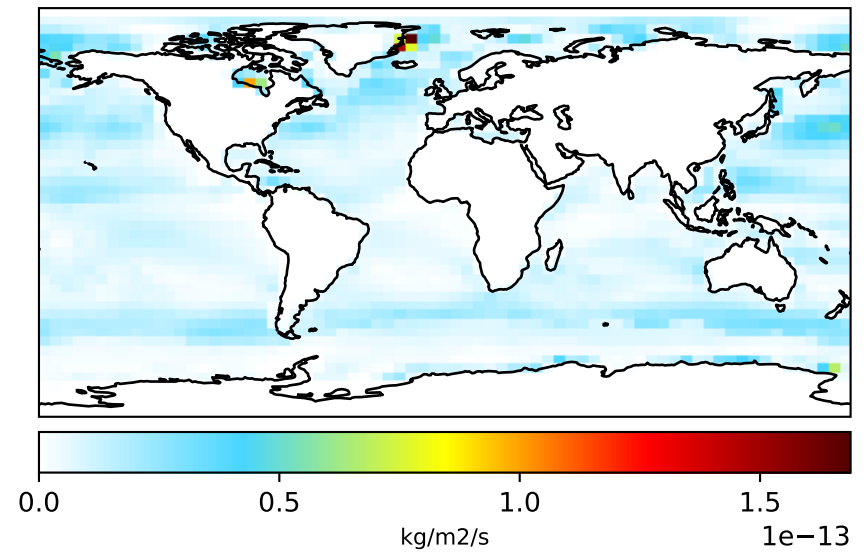
gcc-14.3.0-rc.0 (Ref)
4.0x5.0

gcc-14.4.0-rc.0 (Dev)
4.0x5.0
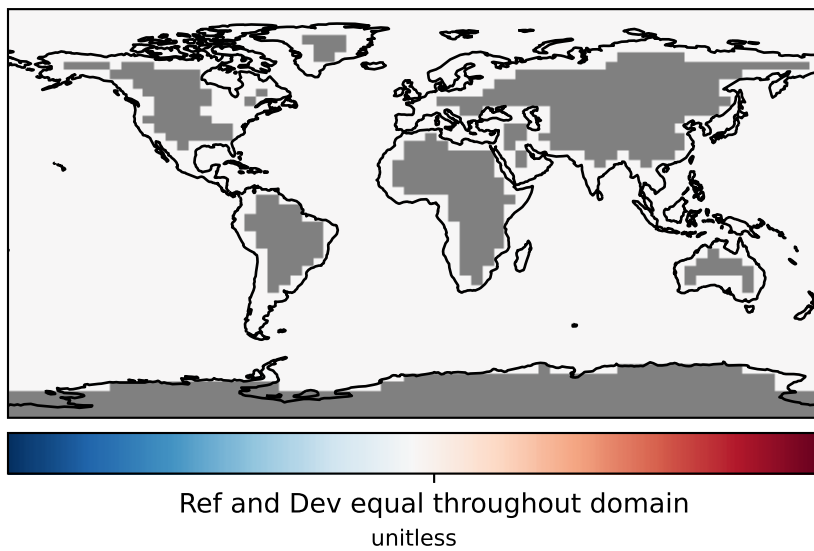
0.0        0.5        1.0        1.5

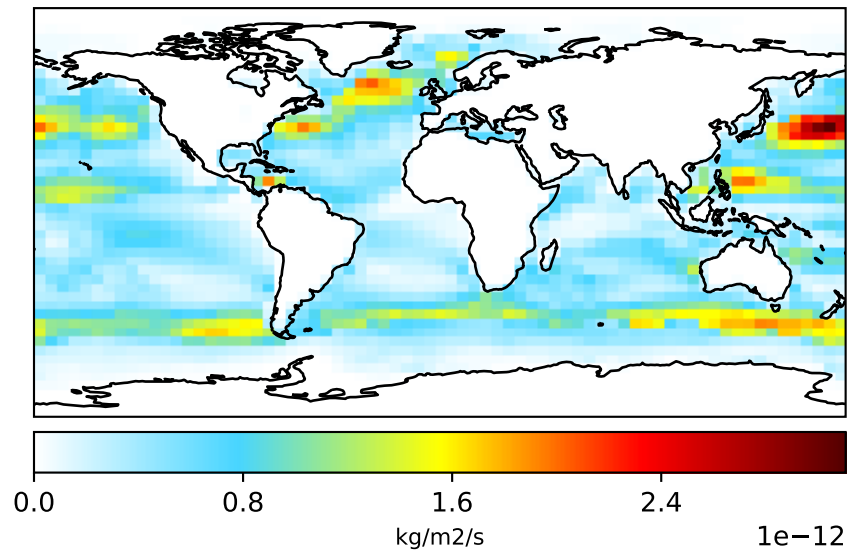kg/m2/s                          1e−13

0.0        0.5        1.0        1.5

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
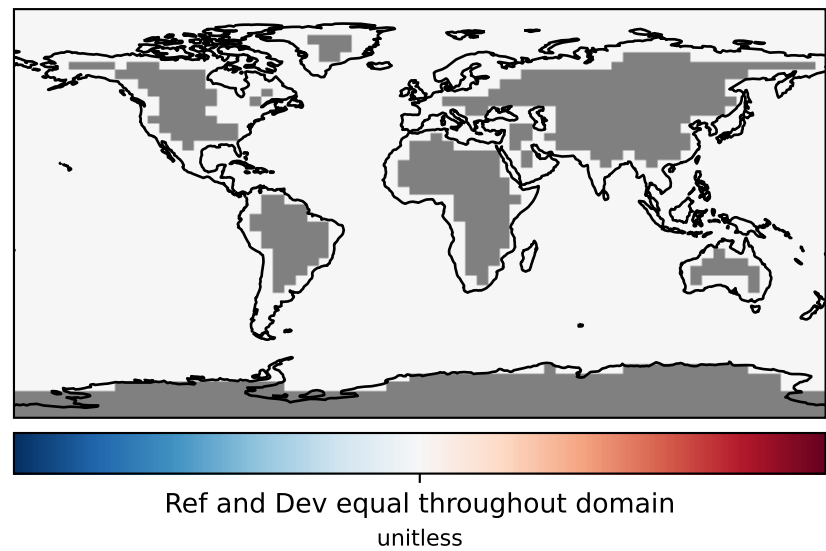
# EmisBrSALC_Natural (Jan2019)

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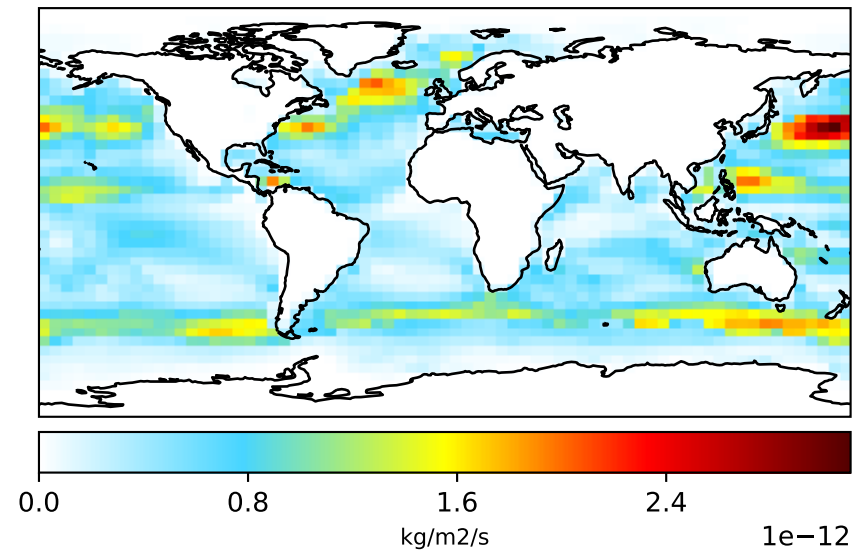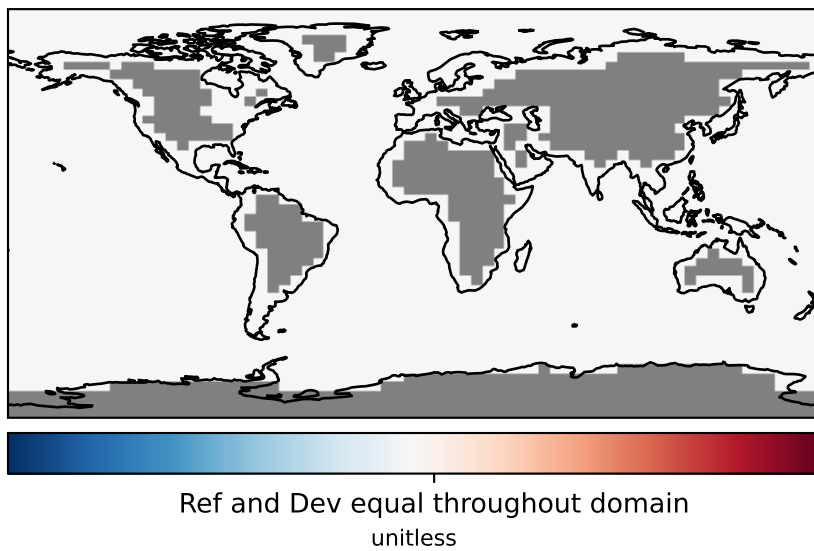
## gcc-14.4.0-rc.0 (Dev)
### 4.0x5.0

kg/m2/s

1e−12

kg/m2/s

1e−12

## Difference
### Dev - Ref, Dynamic Range

Zero throughout domain

kg/m2/s

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

Zero throughout domain

kg/m2/s

## Ratio
### Dev/Ref, Dynamic Range

Ref and Dev equal throughout domain

unitless

## Ratio
### Dev/Ref, Fixed Range

Ref and Dev equal throughout domain

unitless

# EmisDST1_Natural (Jan2019)



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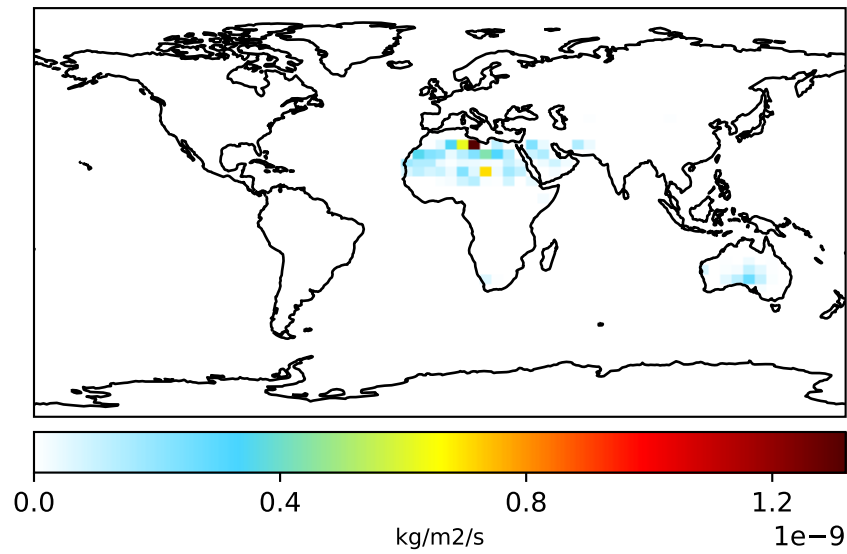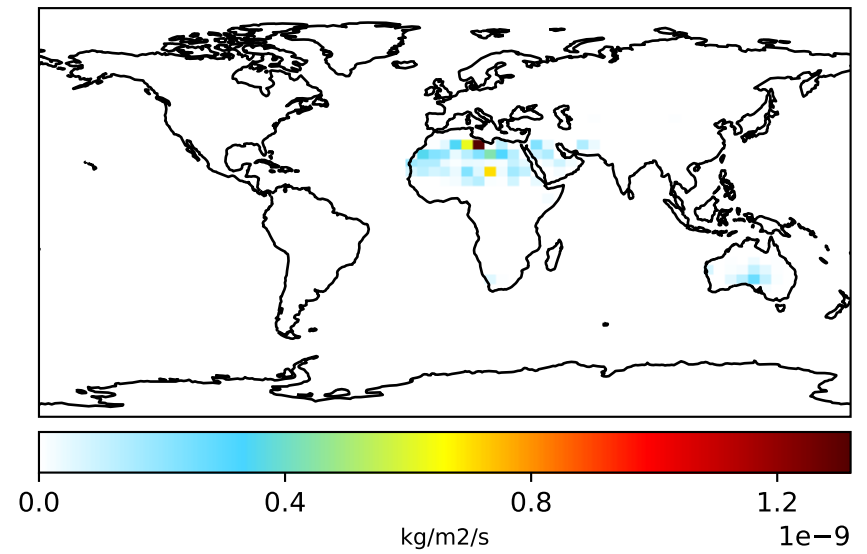
gcc-14.4.0-rc.0 (Dev)
4.0x5.0

kg/m2/s
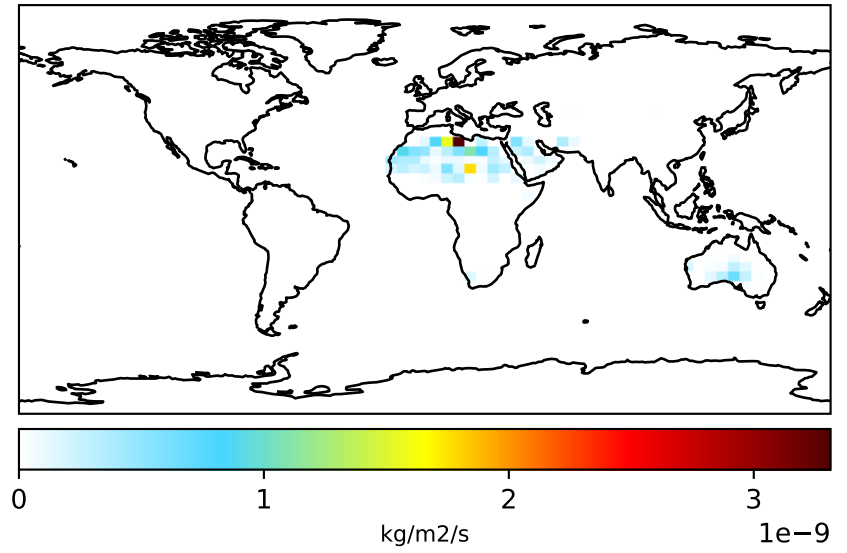
1e−9

kg/m2/s

1e−9

Difference
Dev - Ref, Dynamic Range

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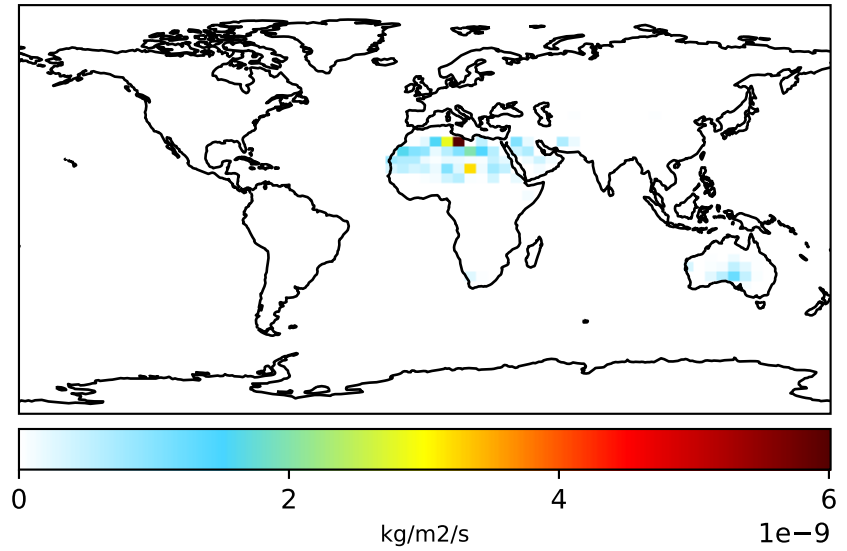Dev - Ref, Restricted Range [5%,95%]

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

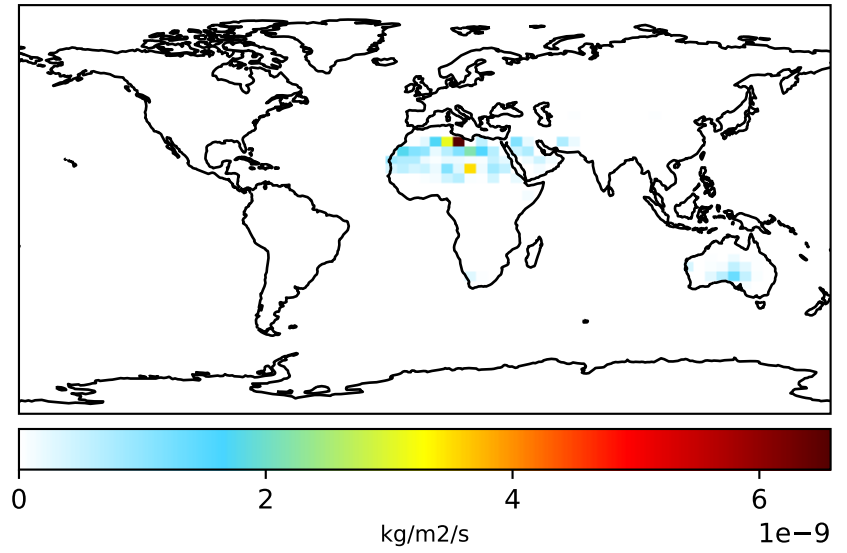Ref and Dev equal throughout domain
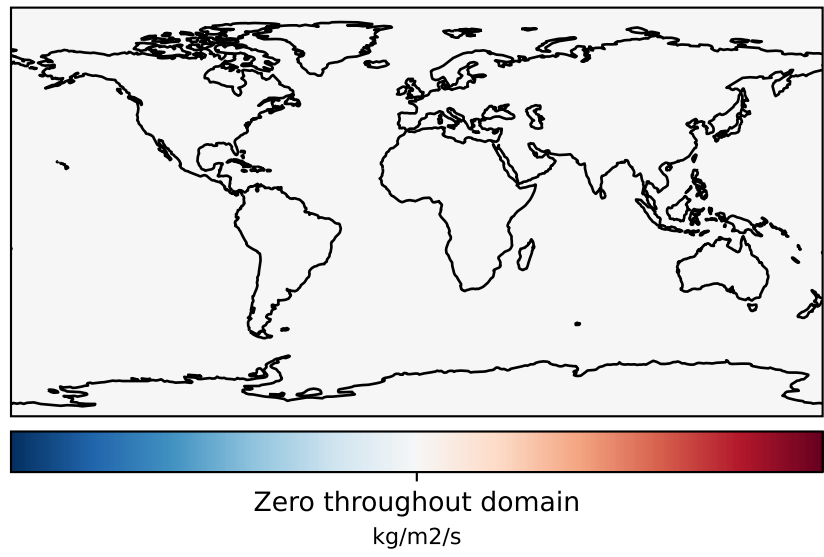unitless
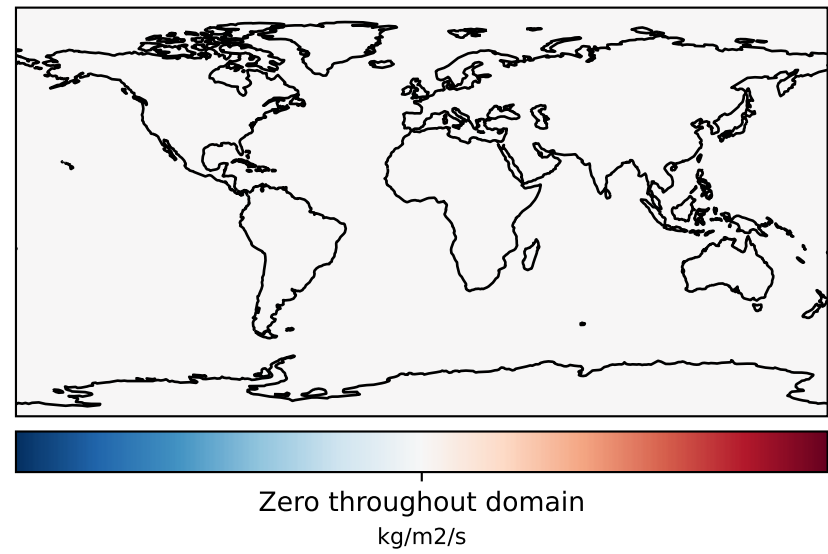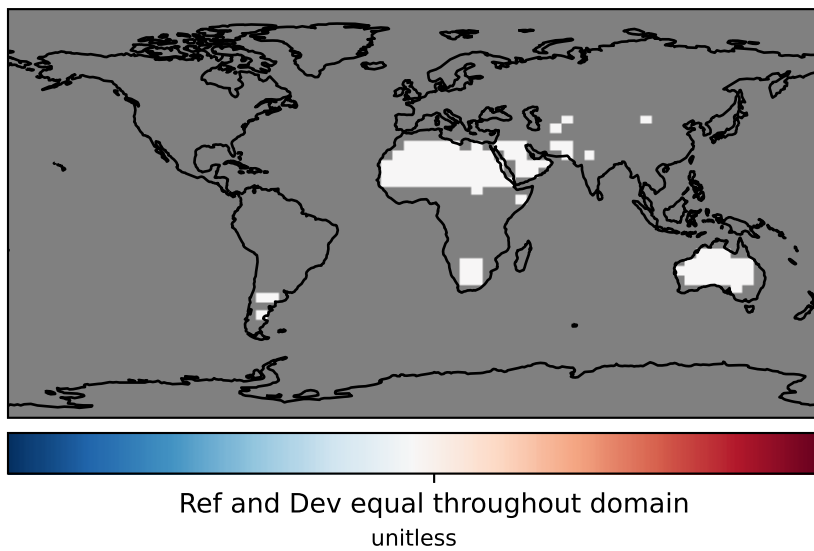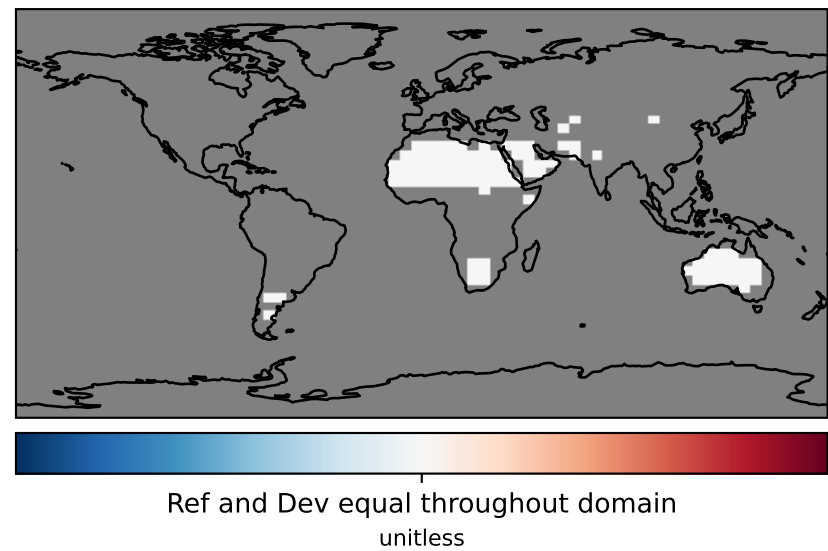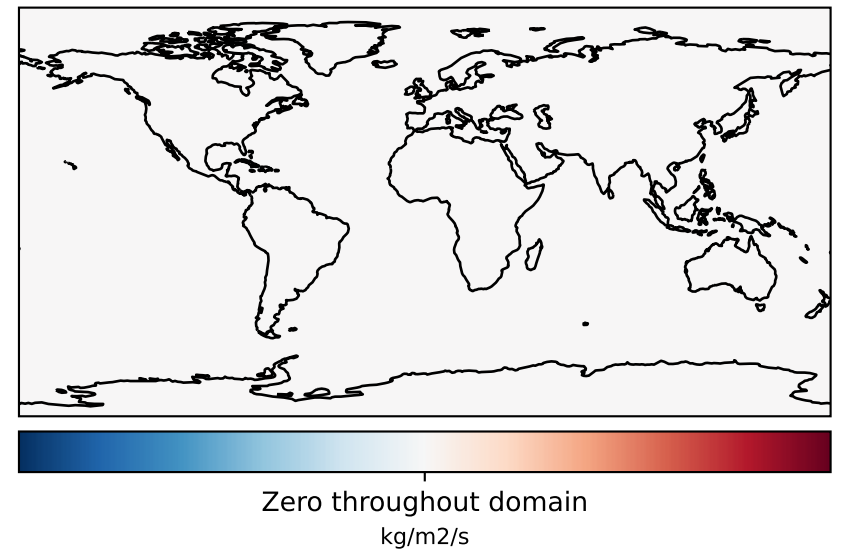
# EmisDST2_Natural (Jan2019)



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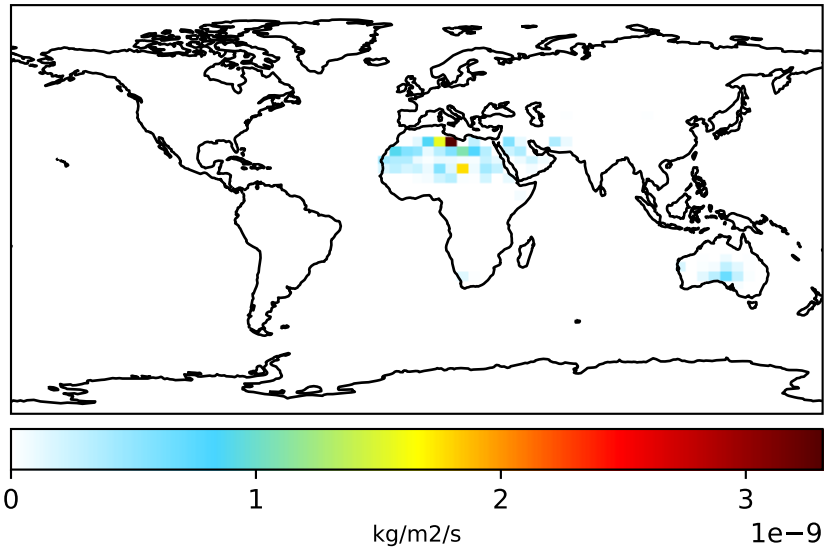
gcc-14.4.0-rc.0 (Dev)
4.0x5.0

kg/m2/s

1e−9

Difference
Dev - Ref, Dynamic Range

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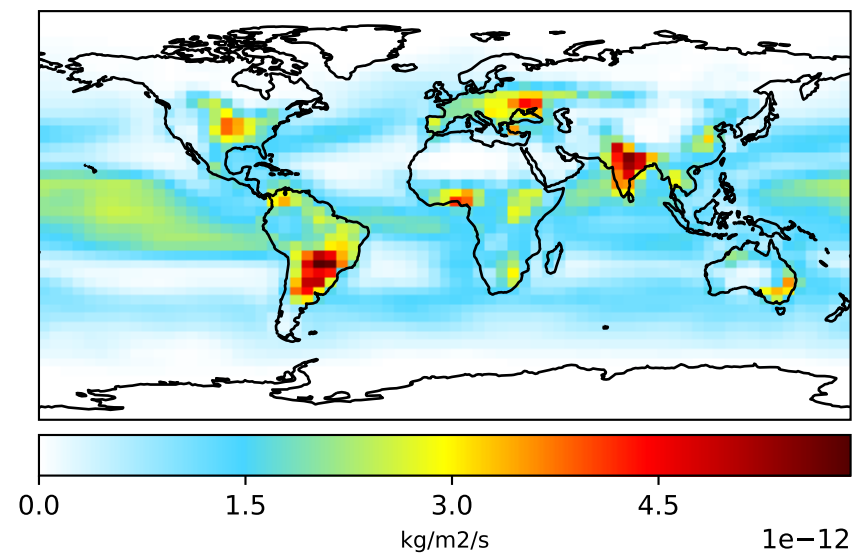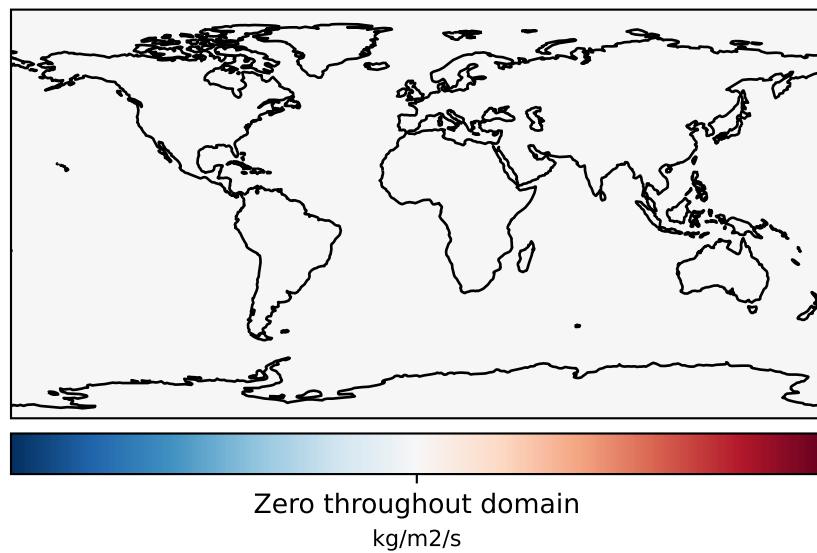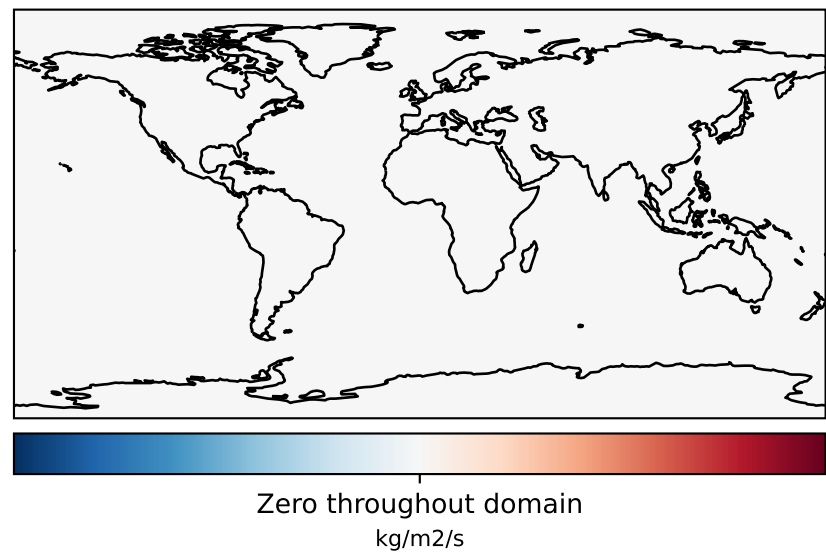Dev - Ref, Restricted Range [5%,95%]

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
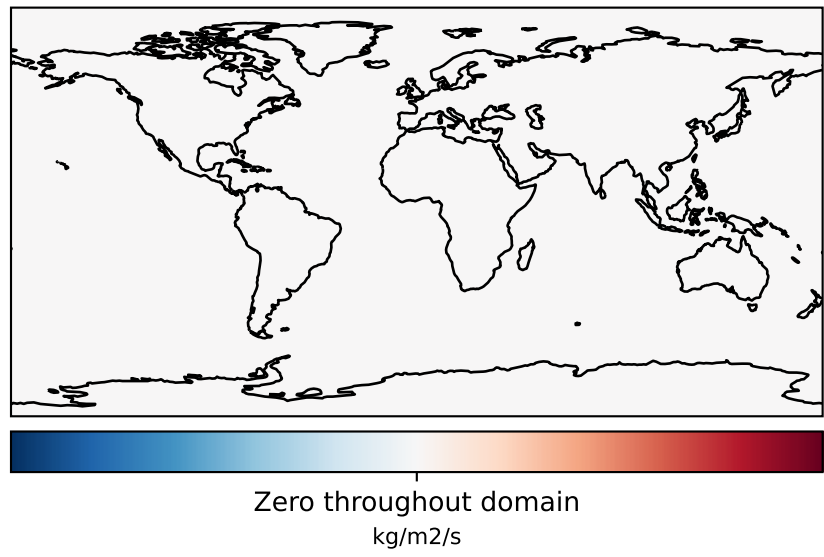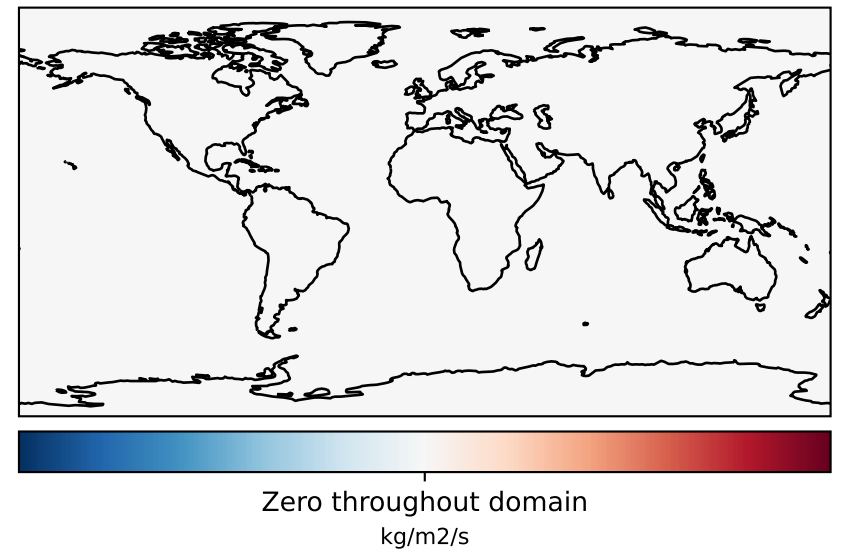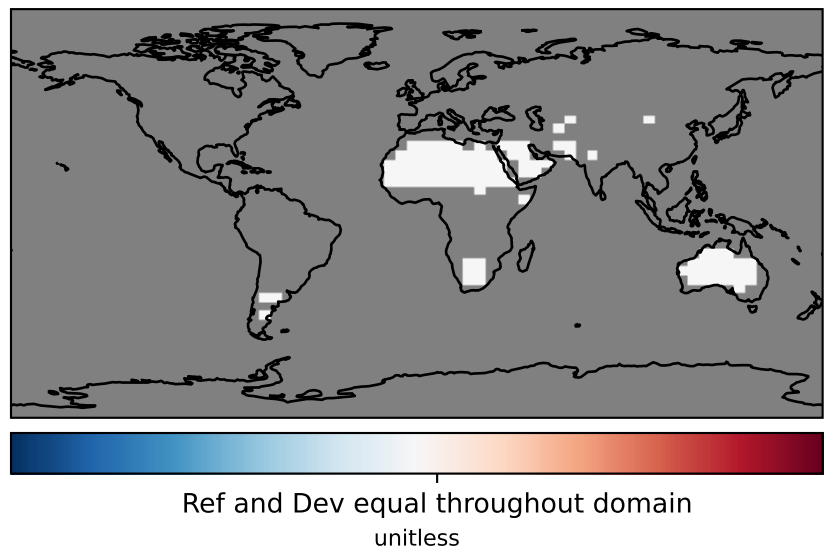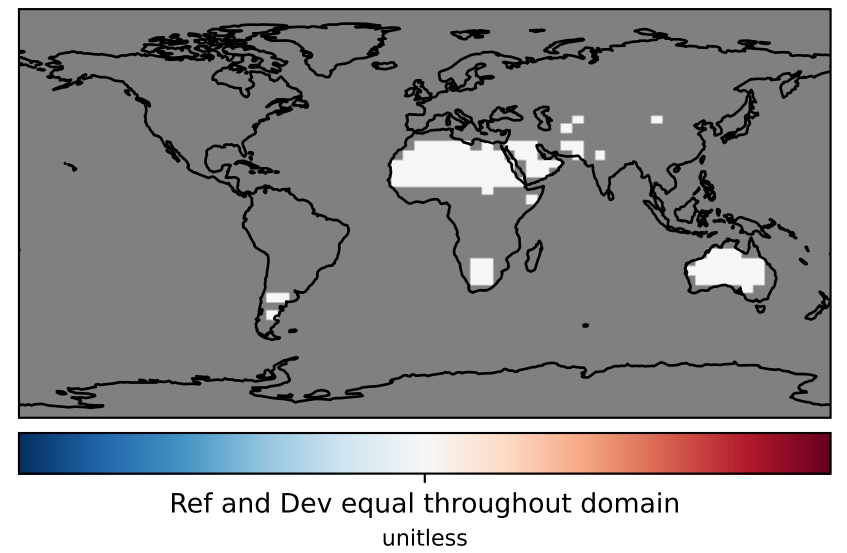
# EmisDST3_Natural (Jan2019)
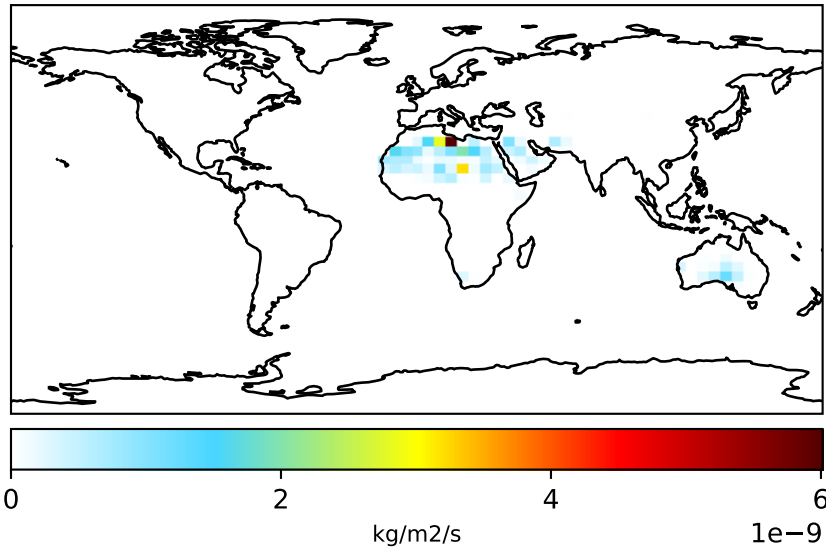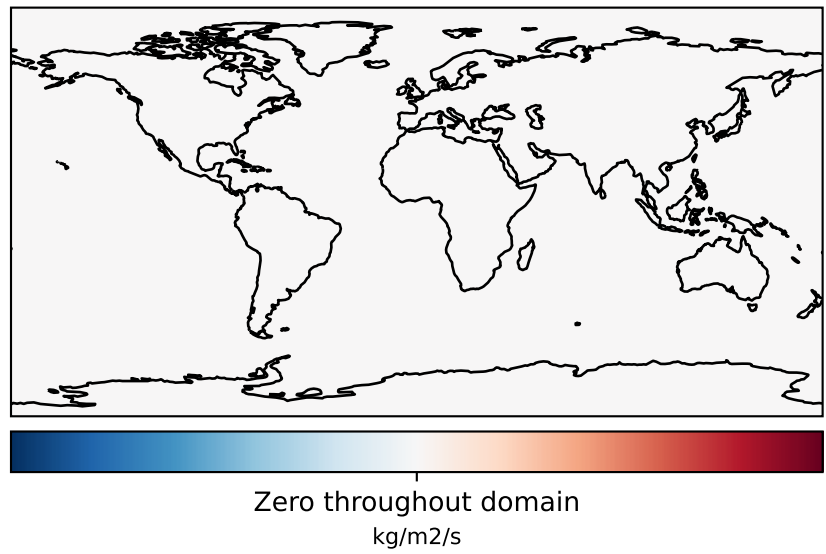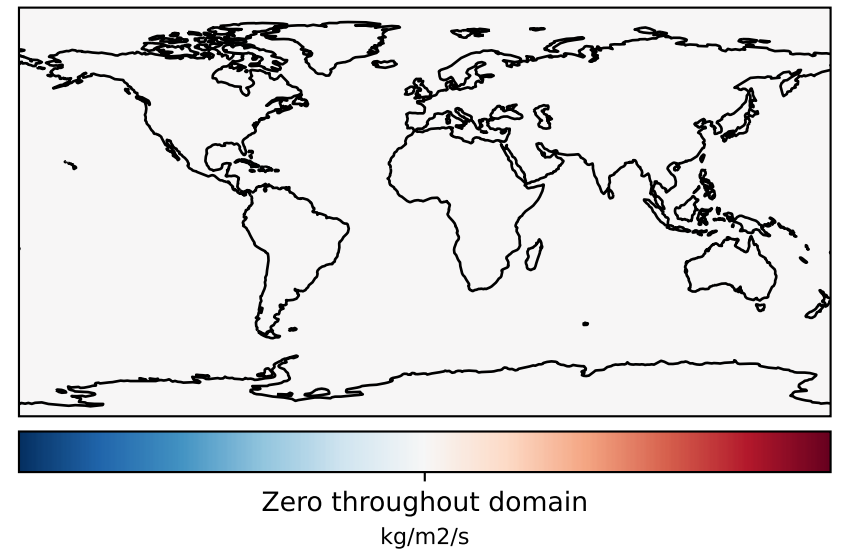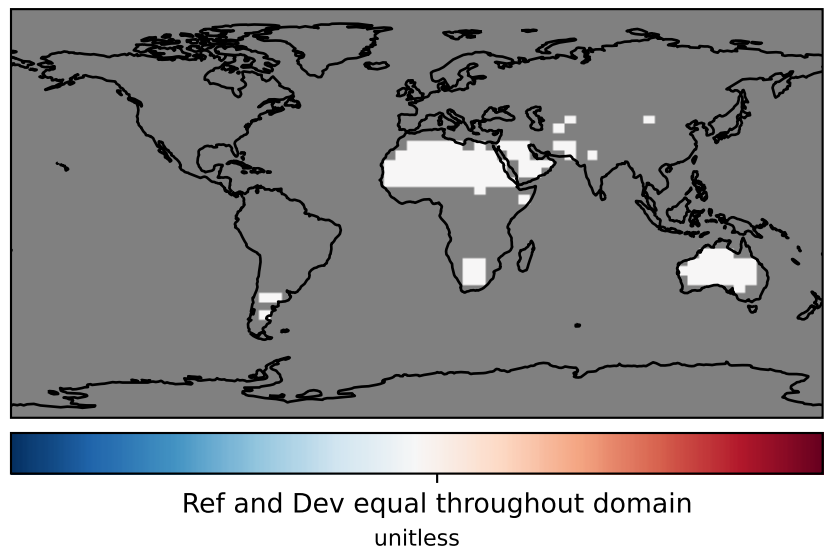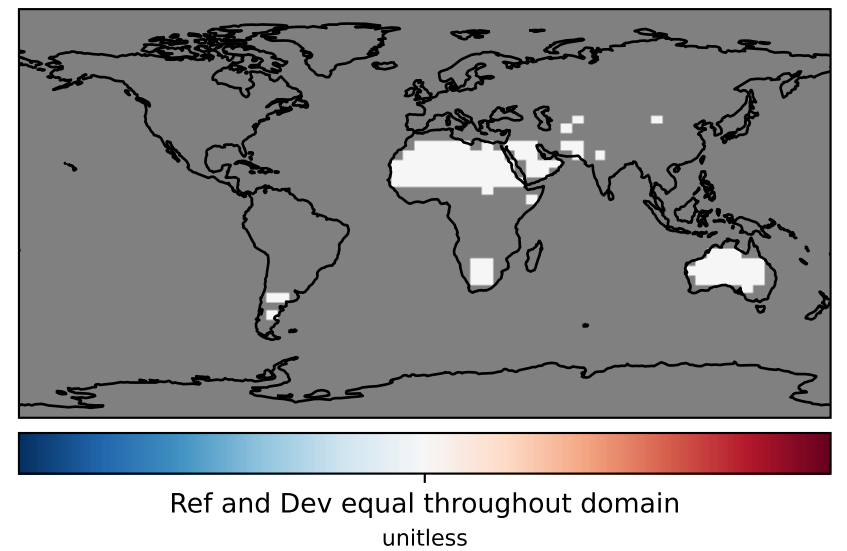
# EmisDST4_Natural (Jan2019)
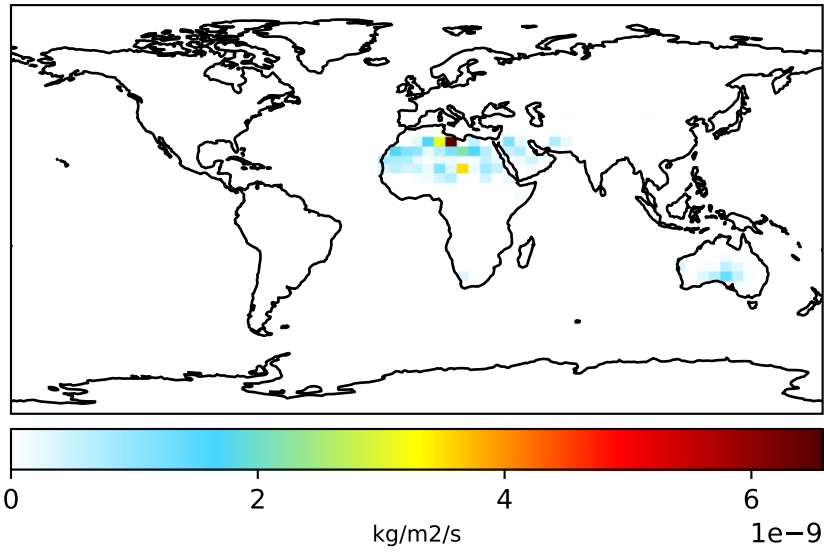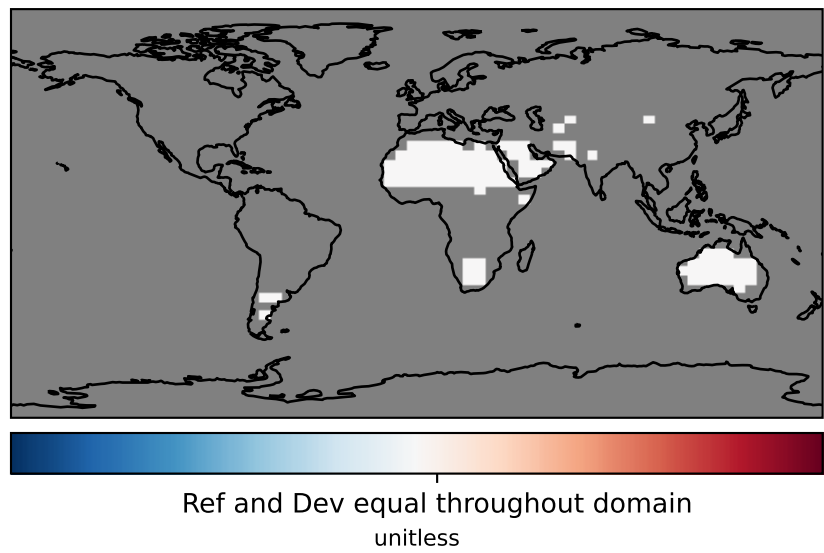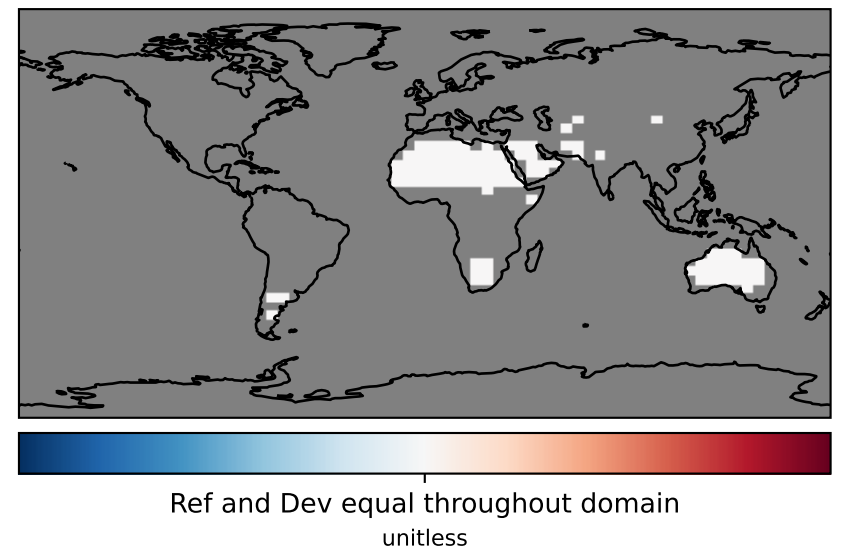
# EmisNH3_Natural (Jan2019)



gcc-14.3.0-rc.0 (Ref)
4.0x5.0
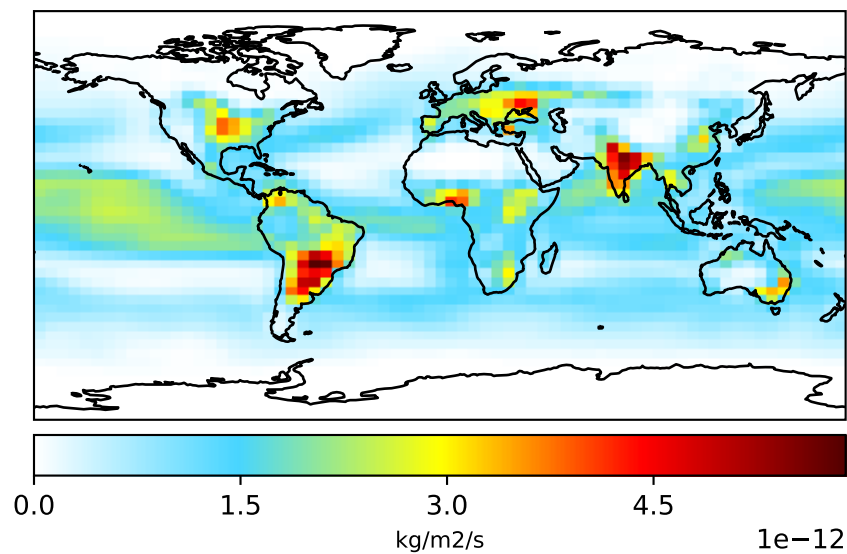
kg/m2/s

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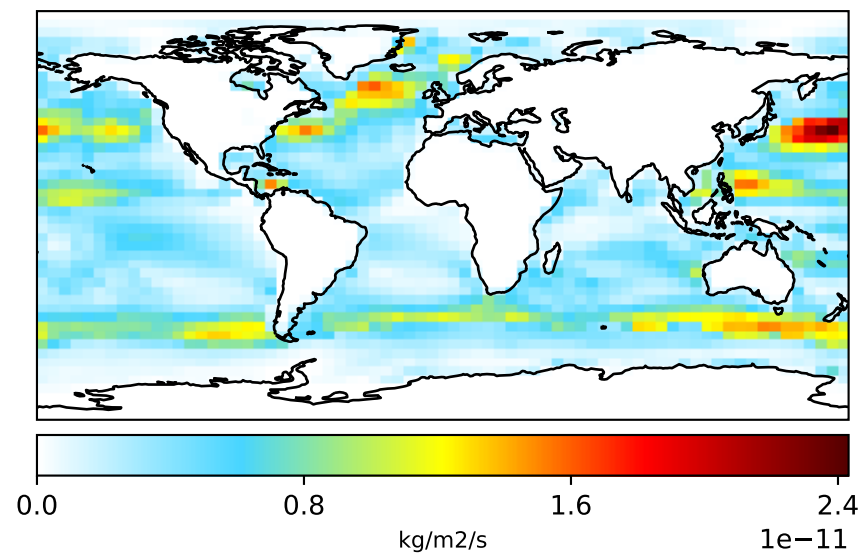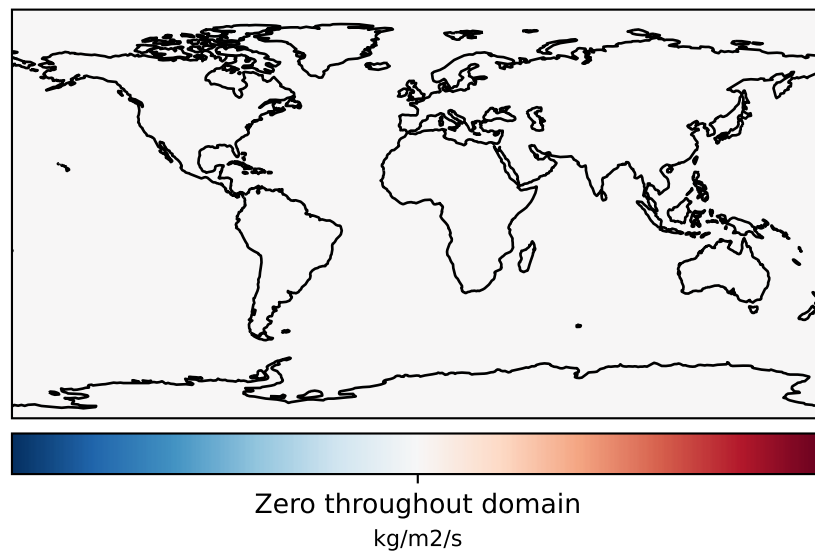4.0x5.0

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

Ref and Dev equal throughout domain
unitless

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
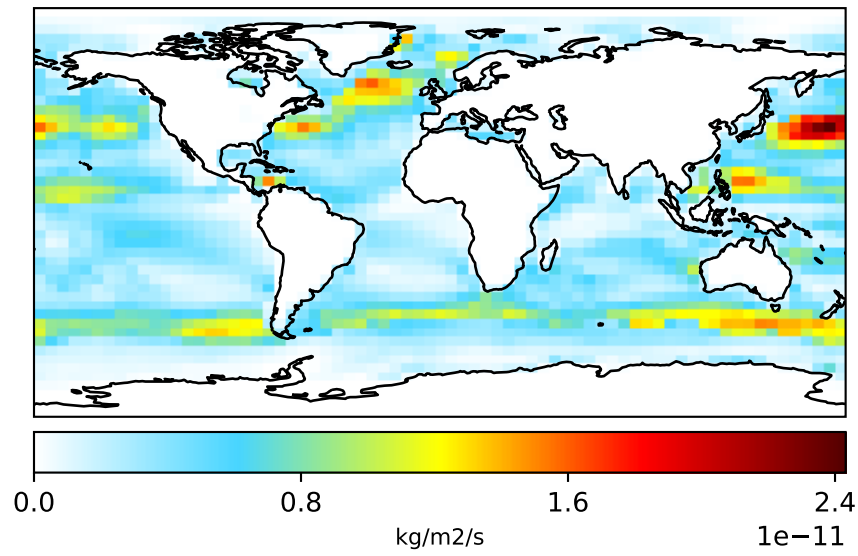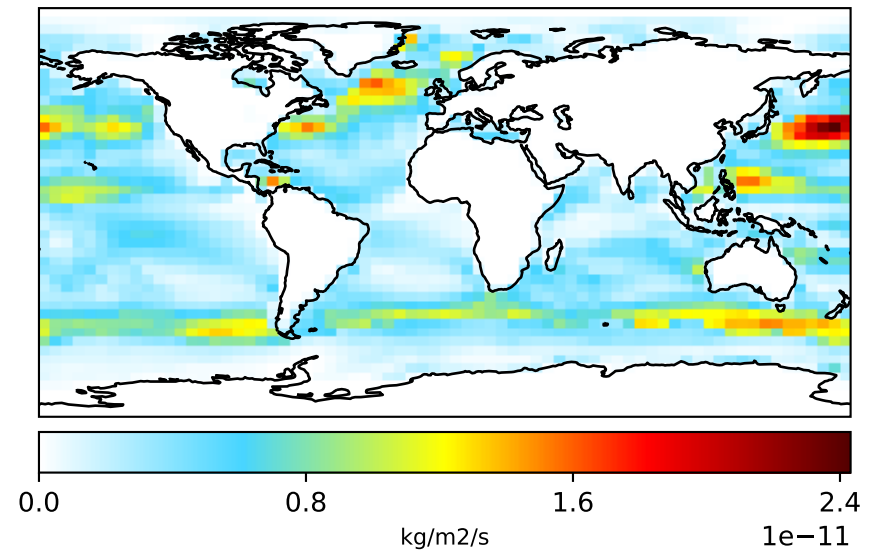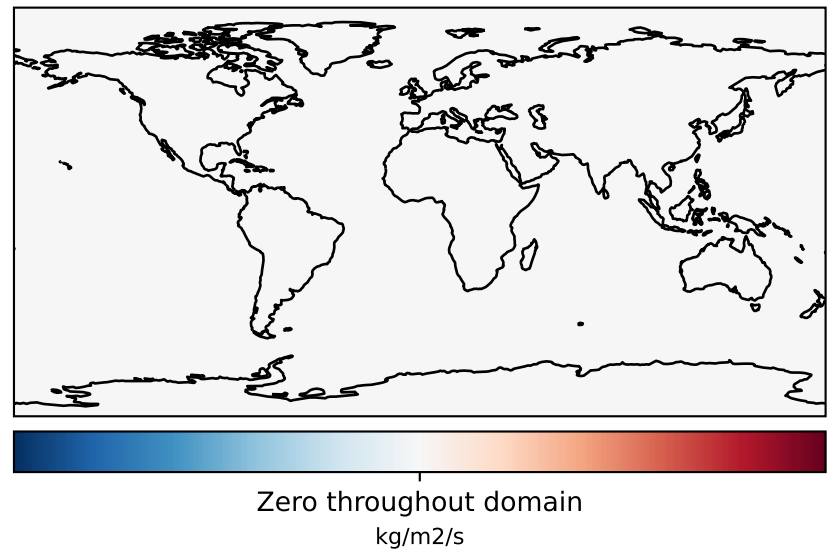unitless

# EmisSALA_Natural (Jan2019)



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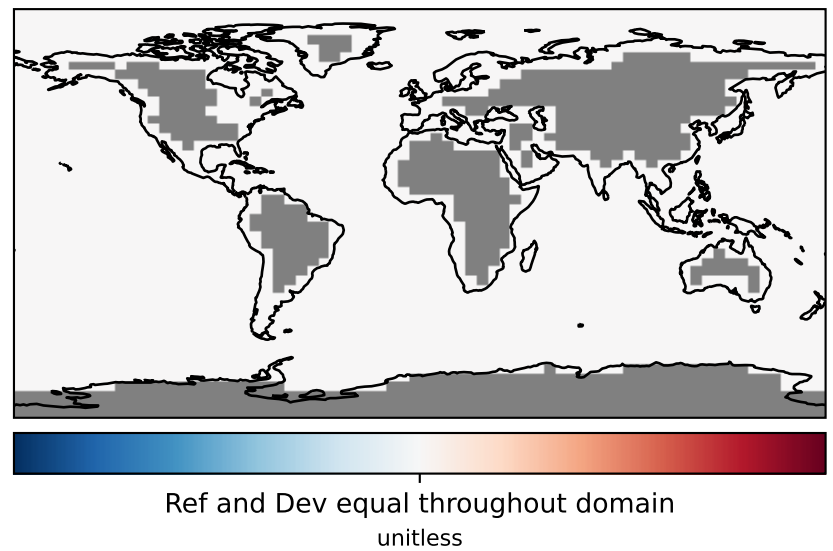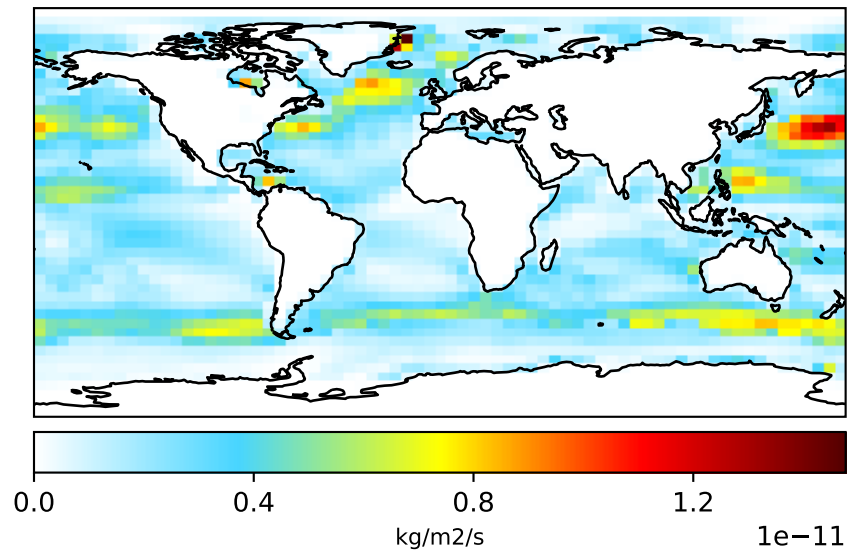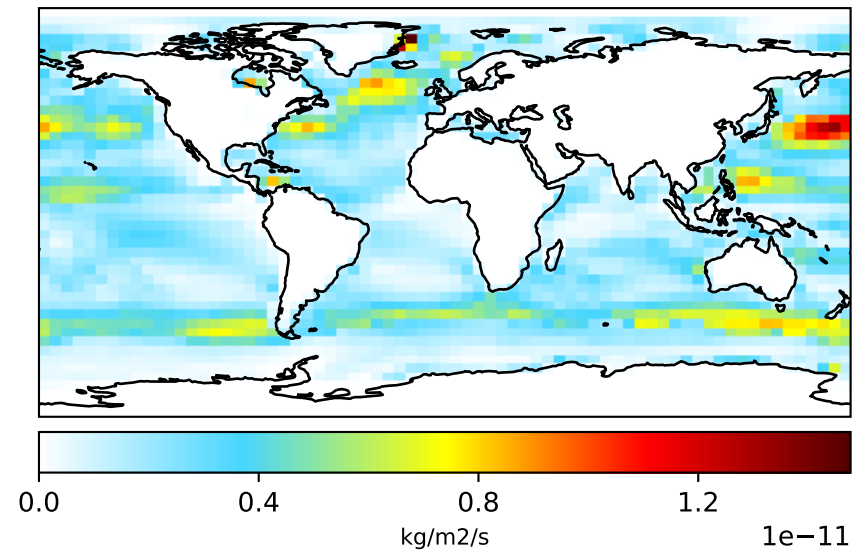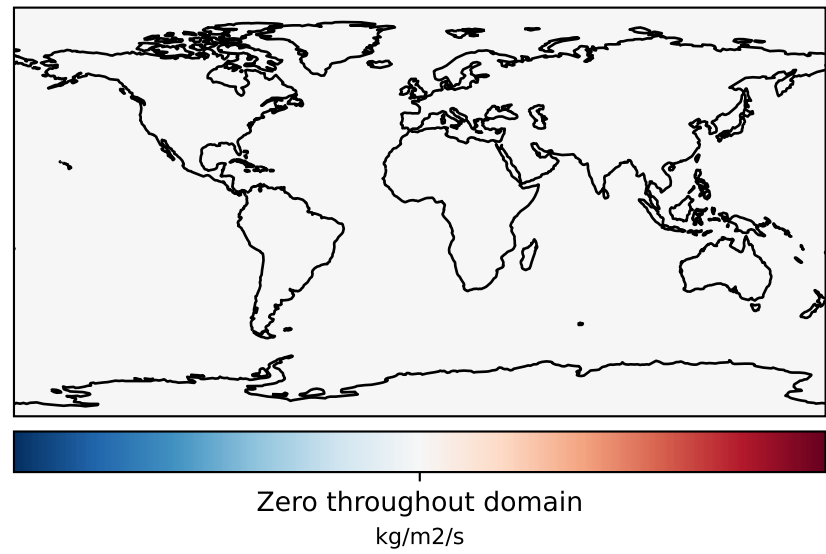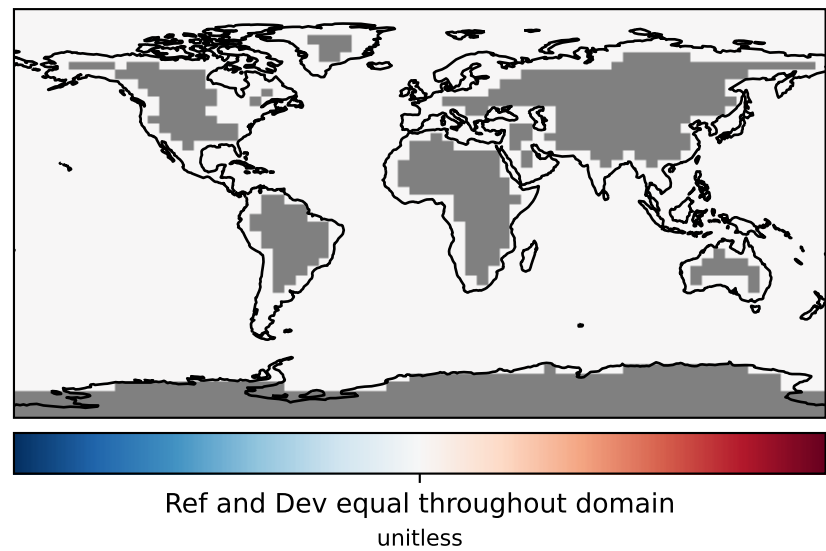Dev - Ref, Restricted Range [5%,95%]

Zero throughout domain
kg/m2/s

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

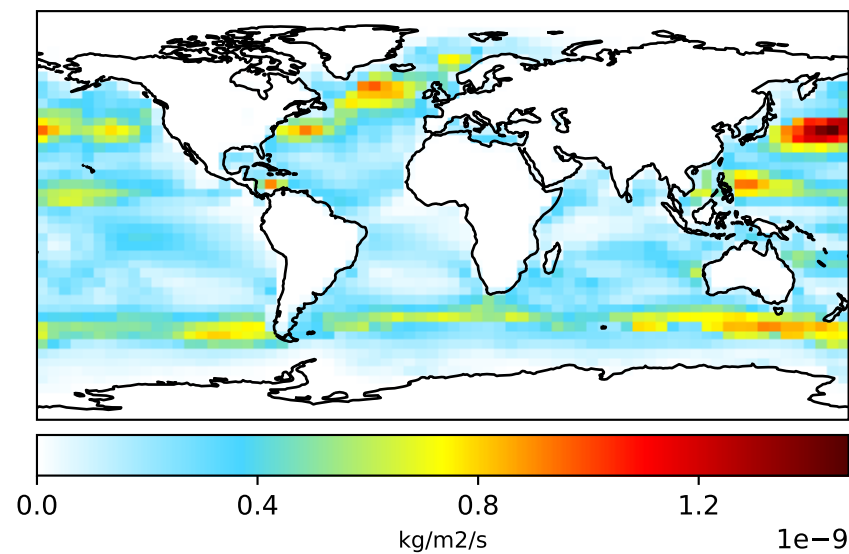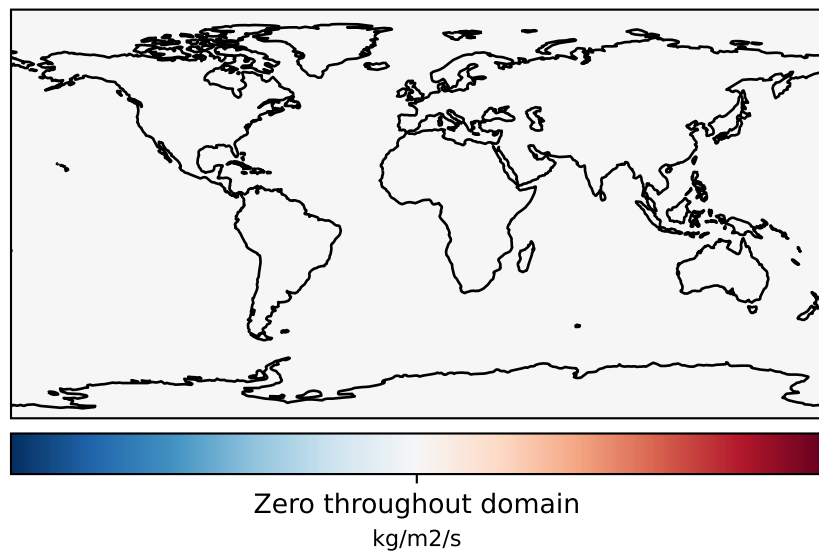Ref and Dev equal throughout domain
unitless
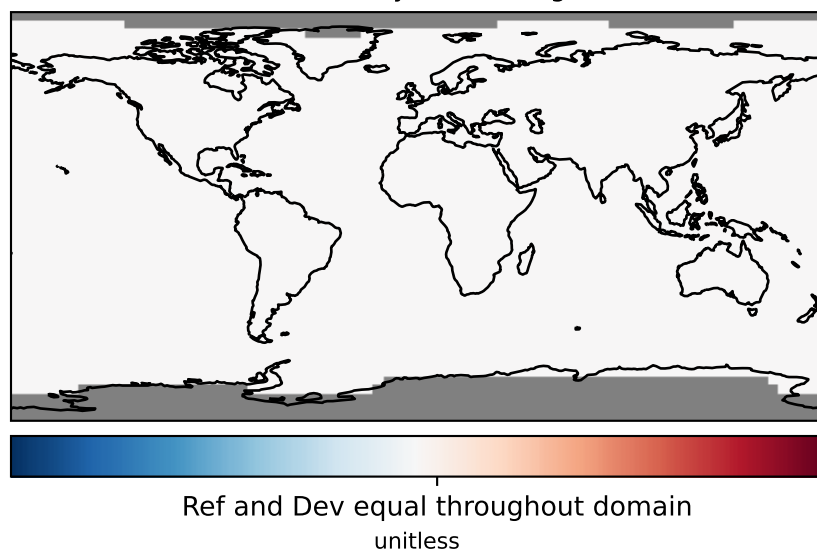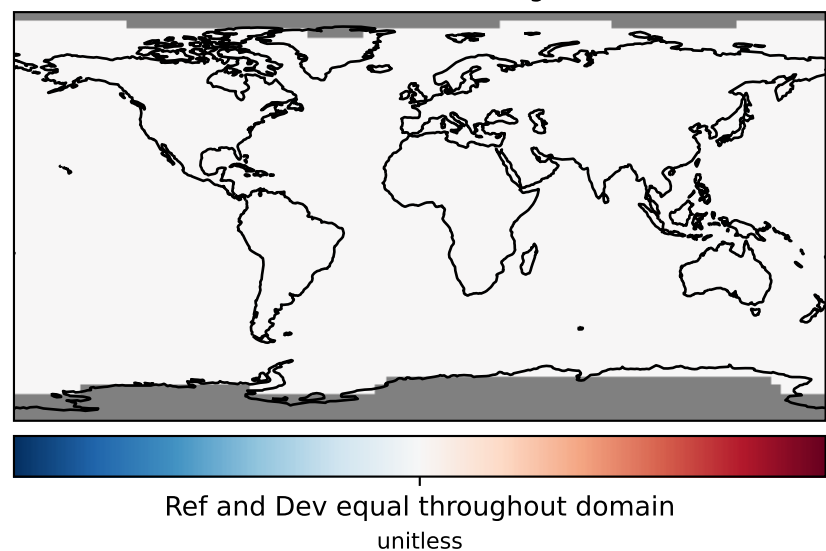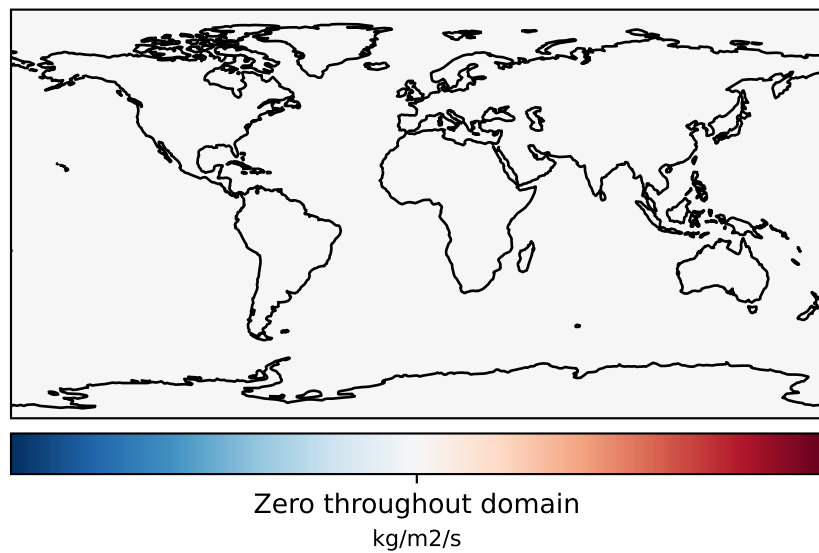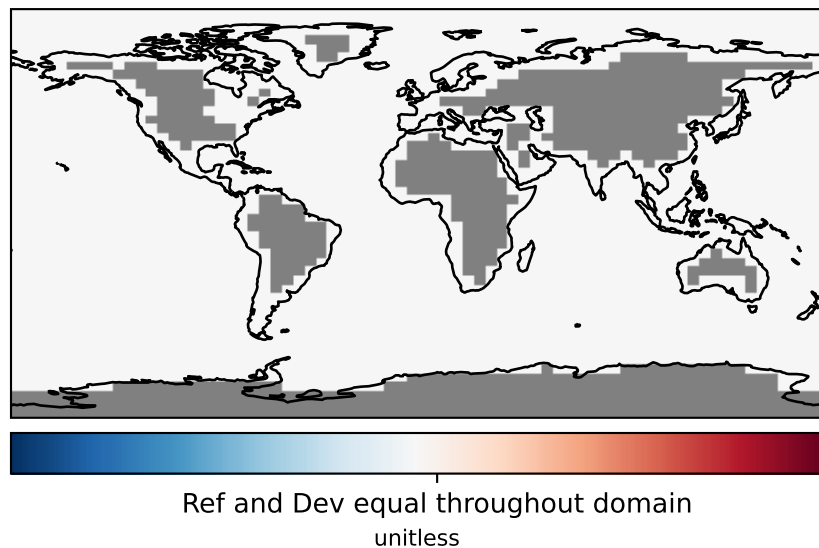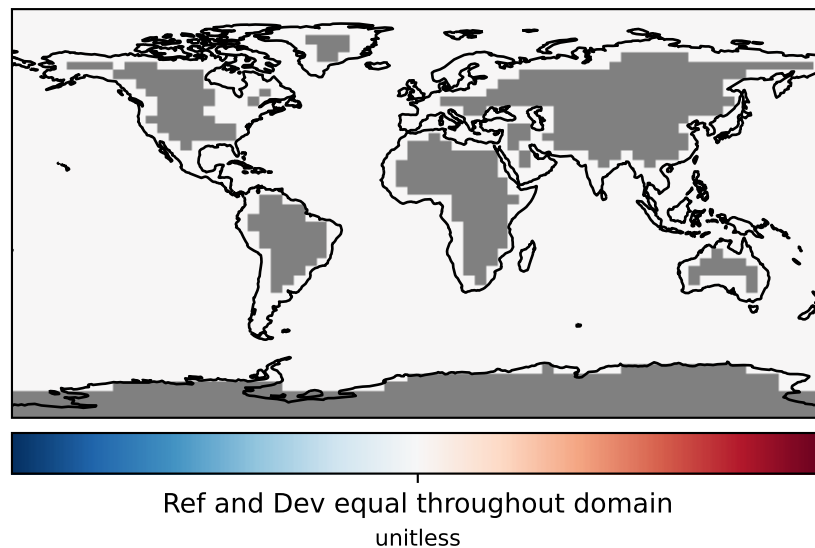
# EmisSALAAL_Natural (Jan2019)



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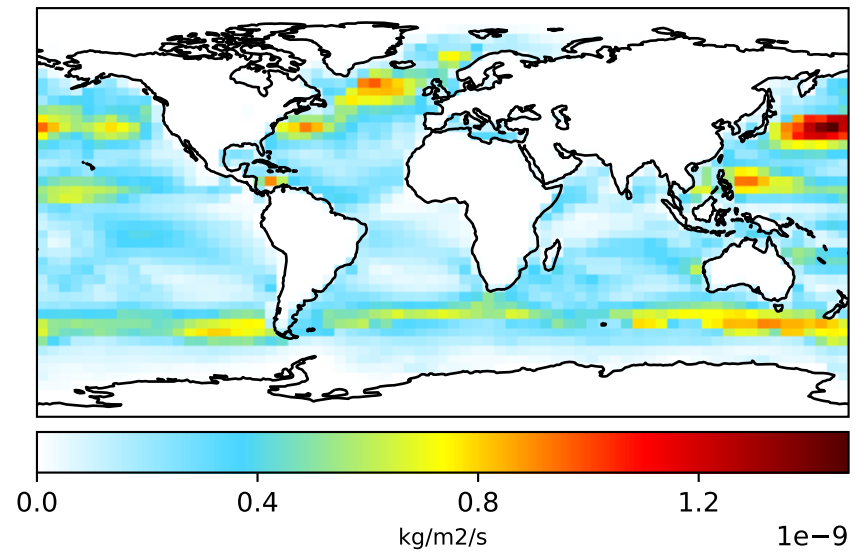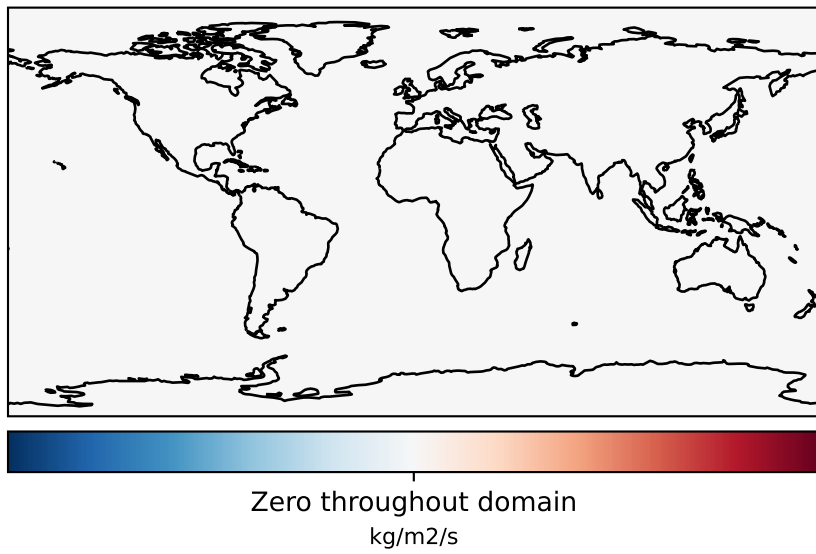
Difference
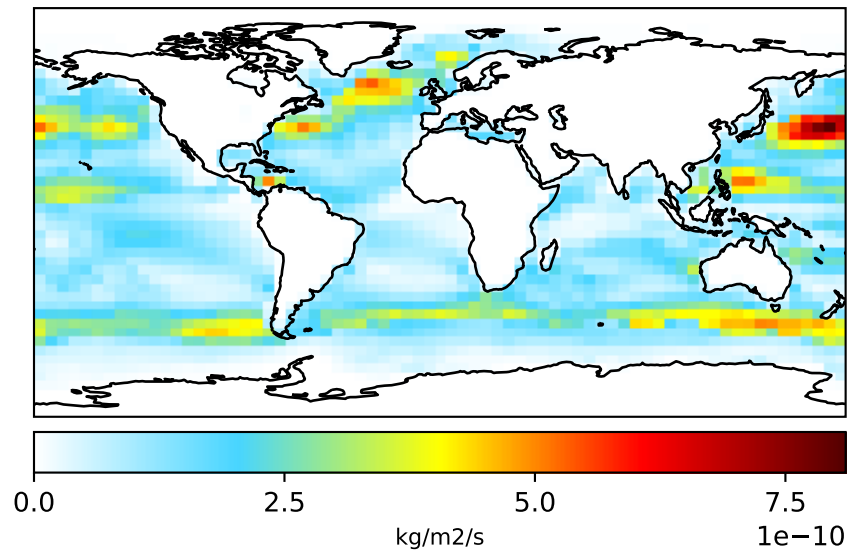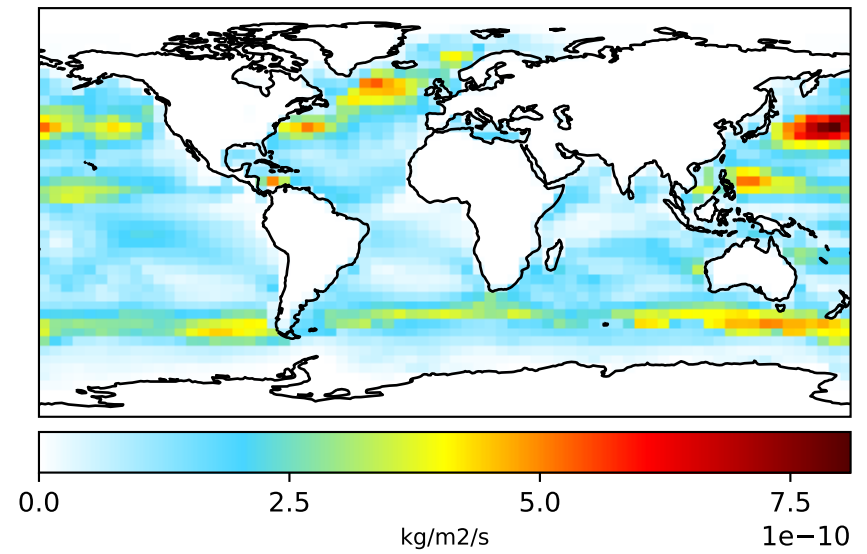Dev - Ref, Restricted Range [5%,95%]

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

# EmisSALACL_Natural (Jan2019)

# EmisSALC_Natural (Jan2019)
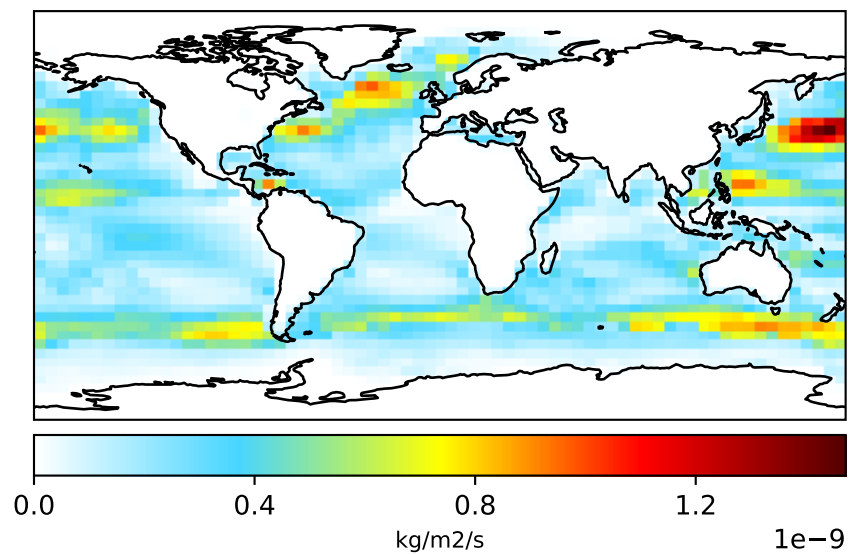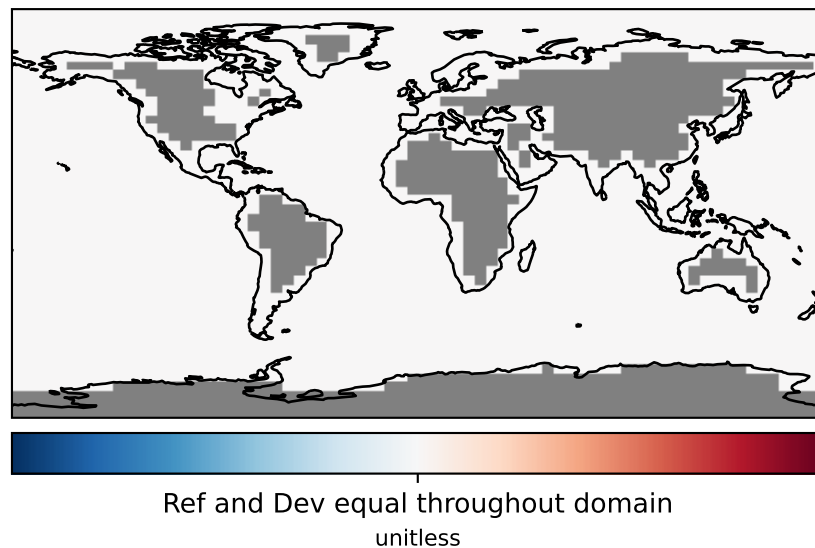
# EmisSALCAL_Natural (Jan2019)
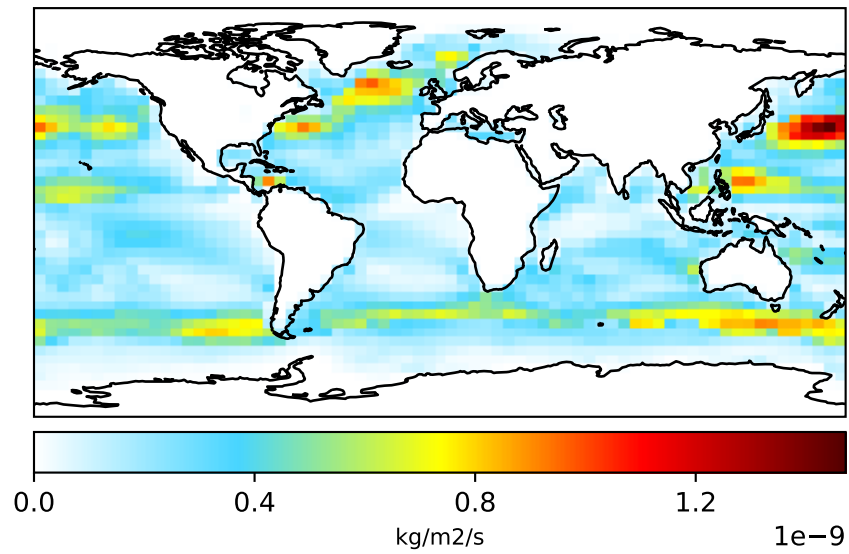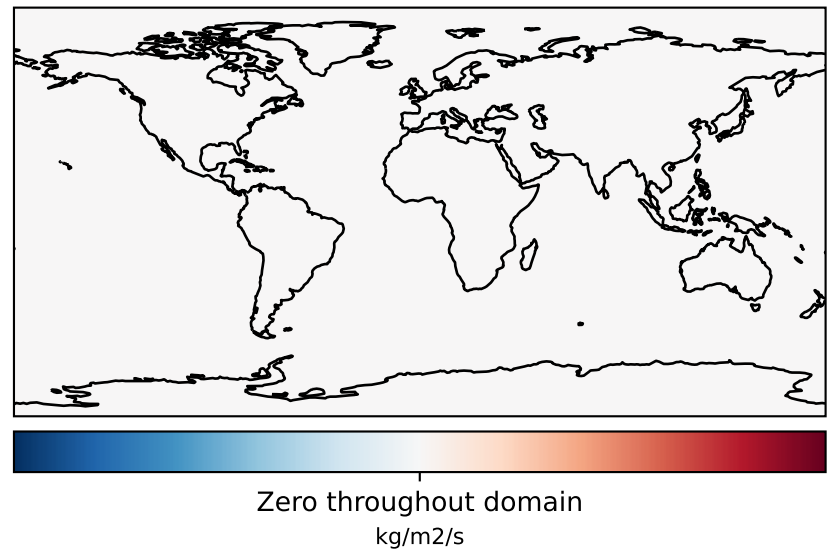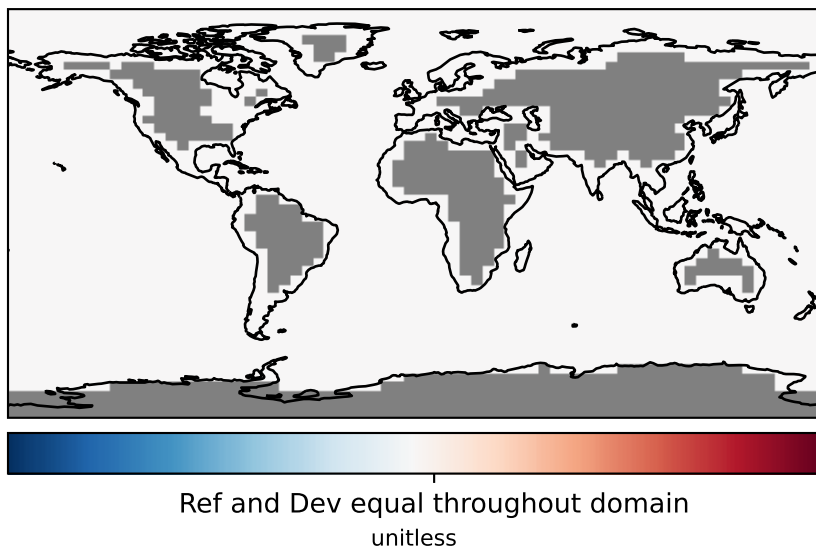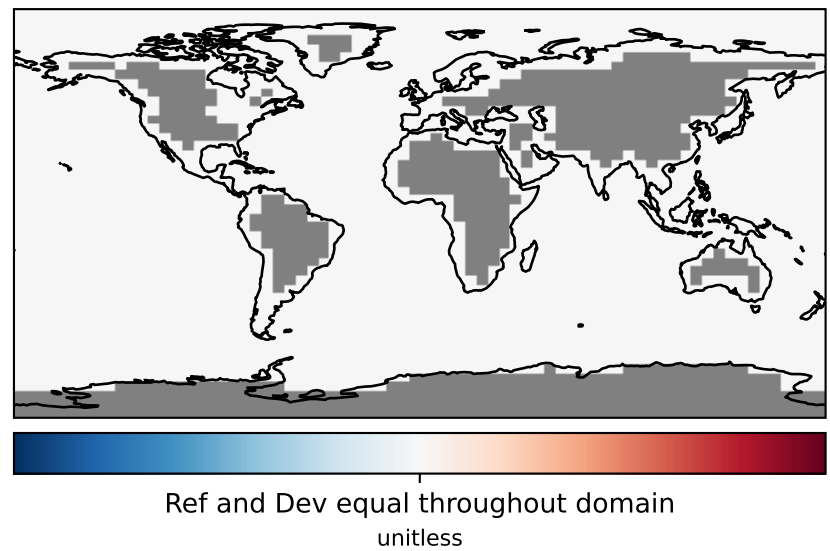
# EmisSALCCL_Natural (Jan2019)