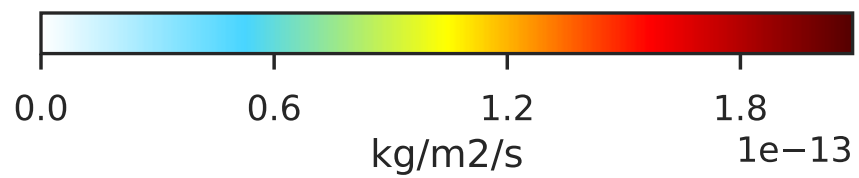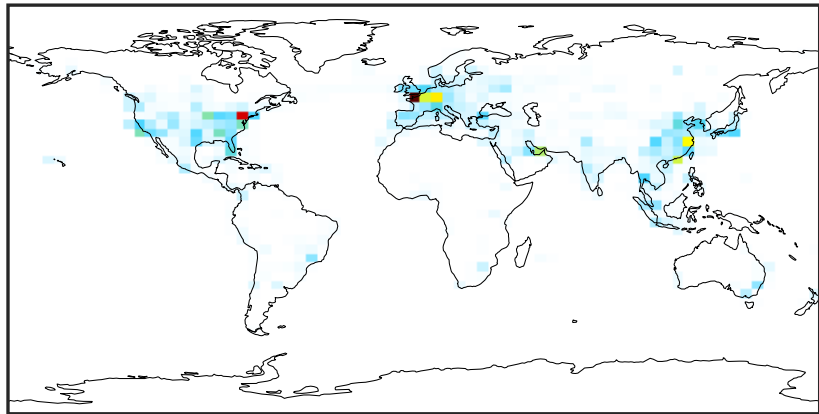# EmisALK4_Aircraft (AnnualMean)
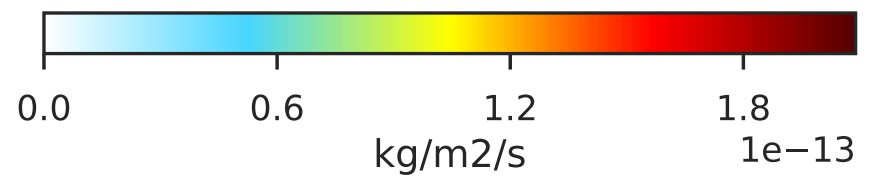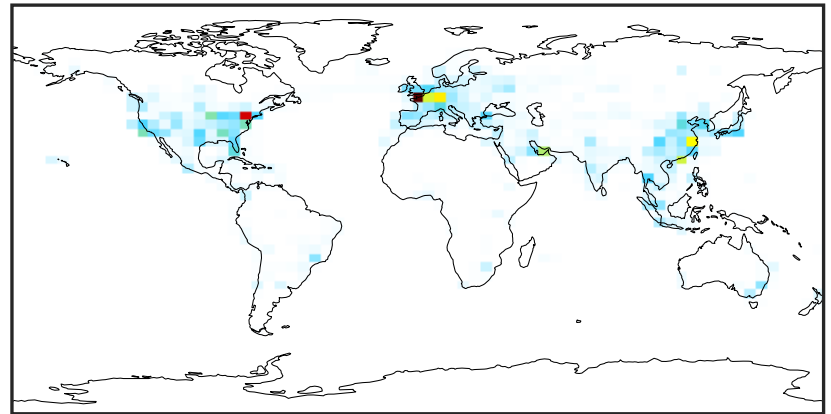
14.2.0-rc.2 (Ref)
4.0x5.0

14.3.0-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

EmisBCPI_Aircraft (AnnualMean)
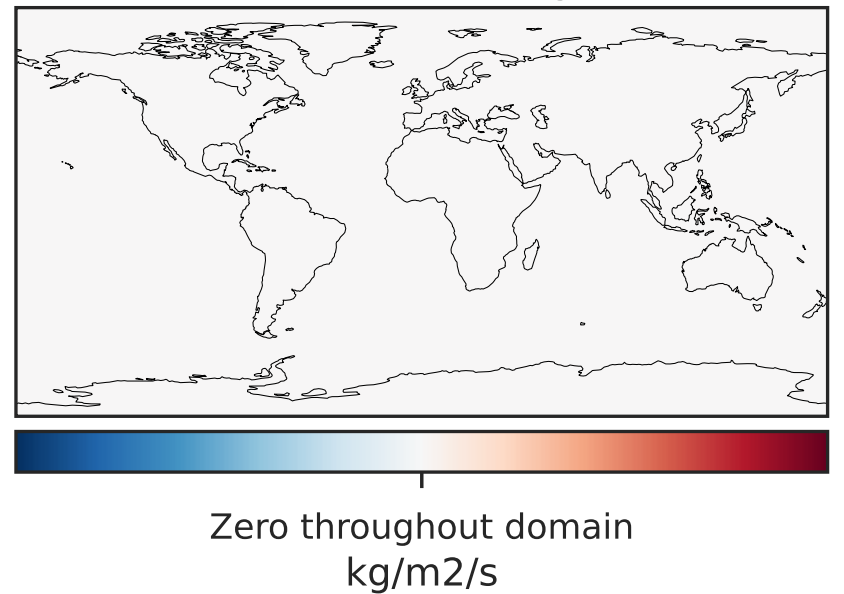
14.2.0-rc.2 (Ref)
4.0x5.0

kg/m2/s

14.3.0-rc.0 (Dev)
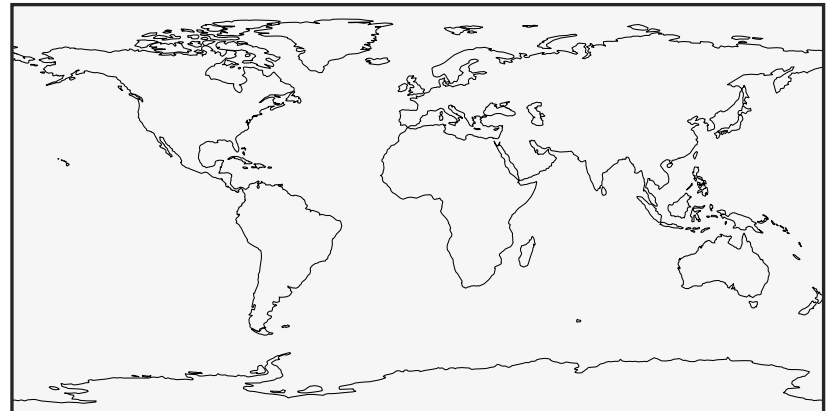### 4.0x5.0

kg/m2/s

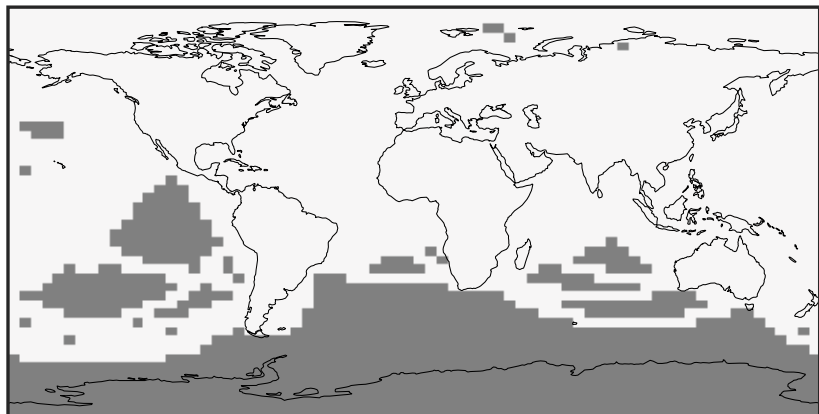## Difference
Dev - Ref, Dynamic Range

Zero throughout domain
kg/m2/s

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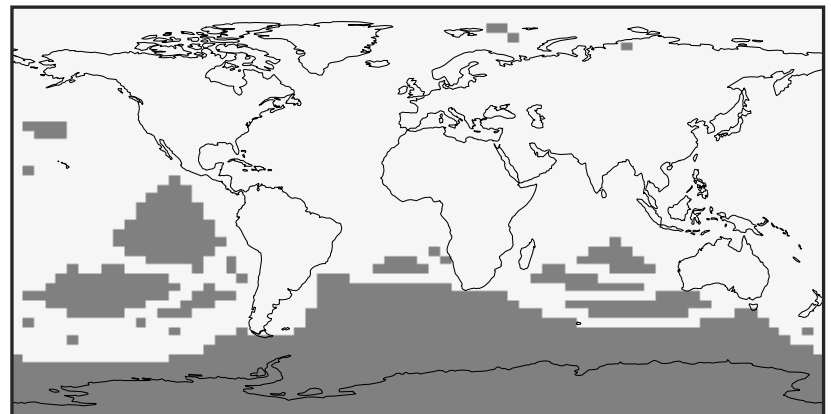### Dev - Ref, Restricted Range [5%,95%]

Zero throughout domain
kg/m2/s

Ratio
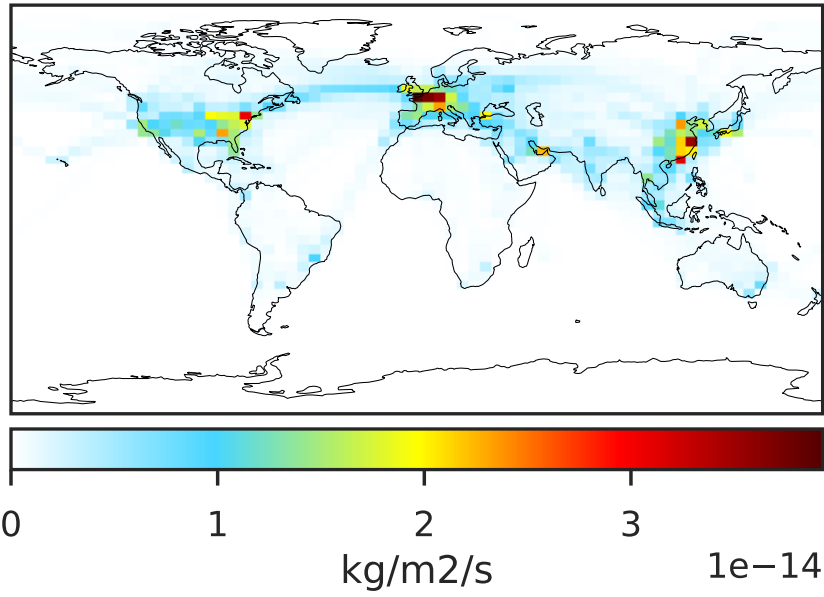### Dev/Ref, Dynamic Range

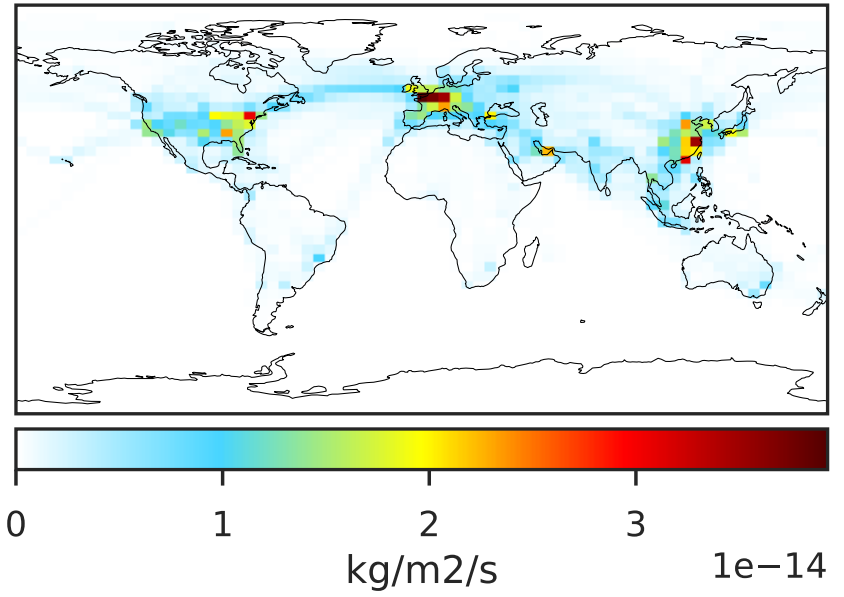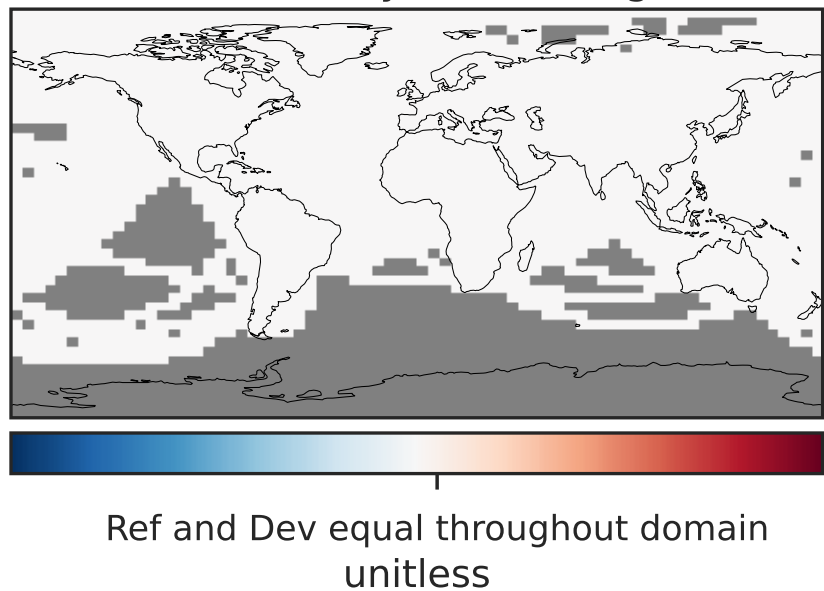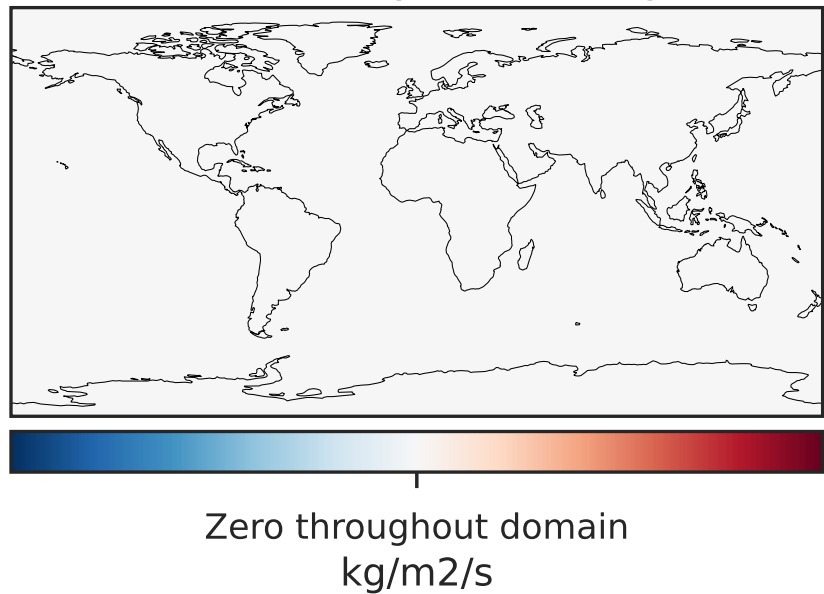Ref and Dev equal throughout domain
unitless

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
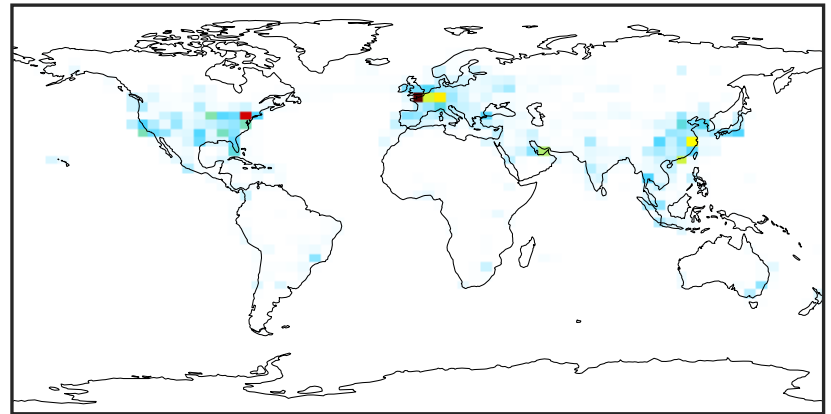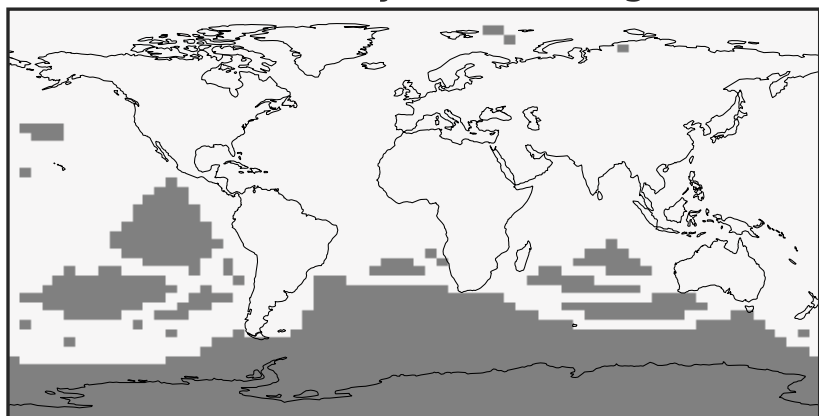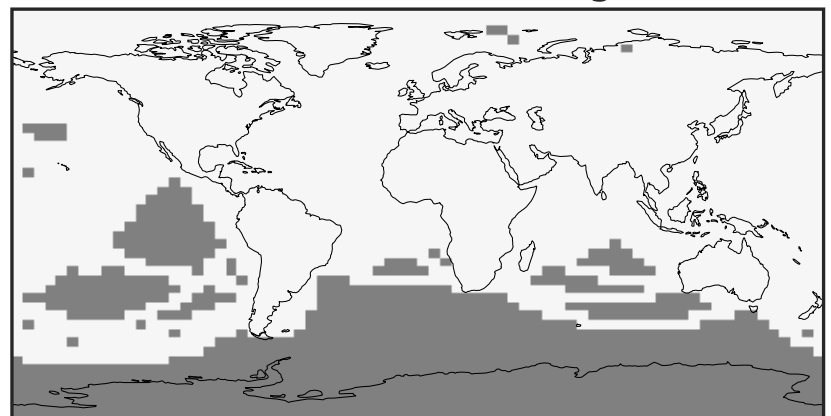unitless
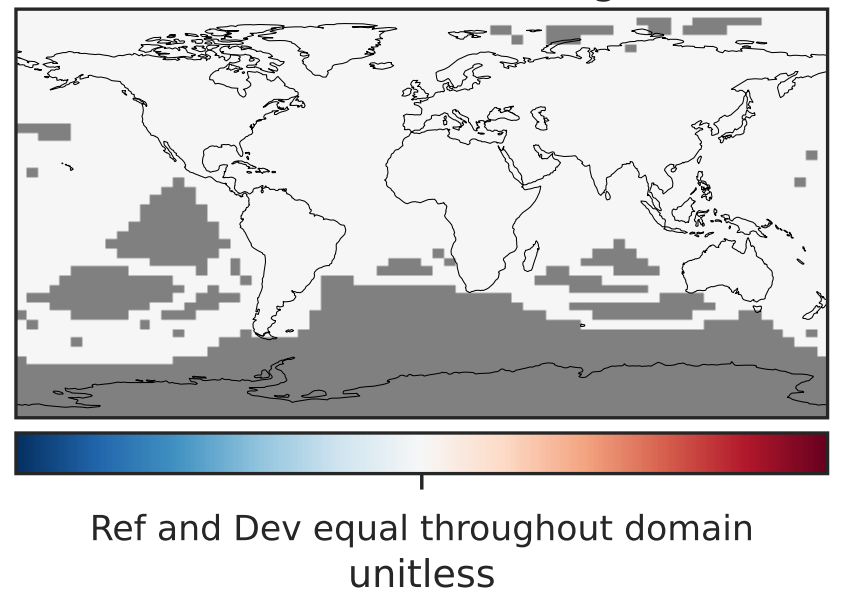
EmisC2H6_Aircraft (AnnualMean)
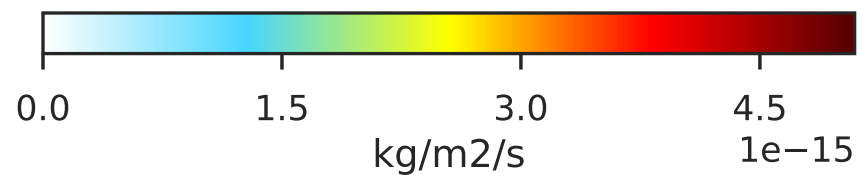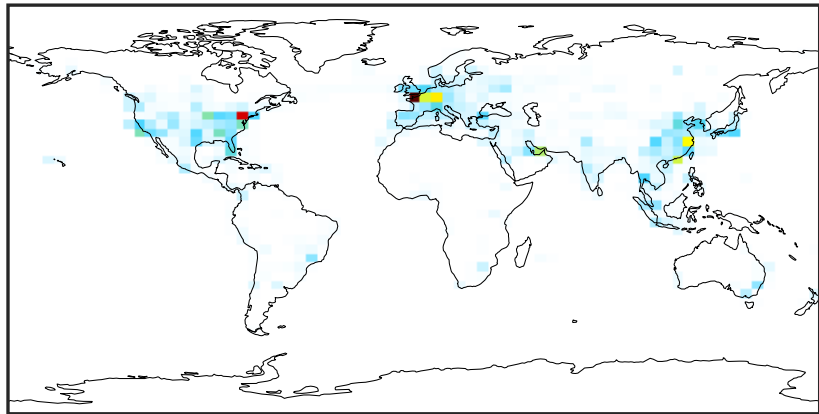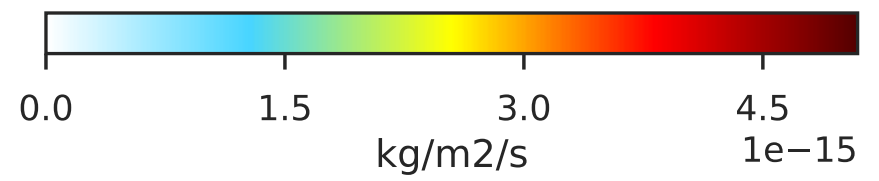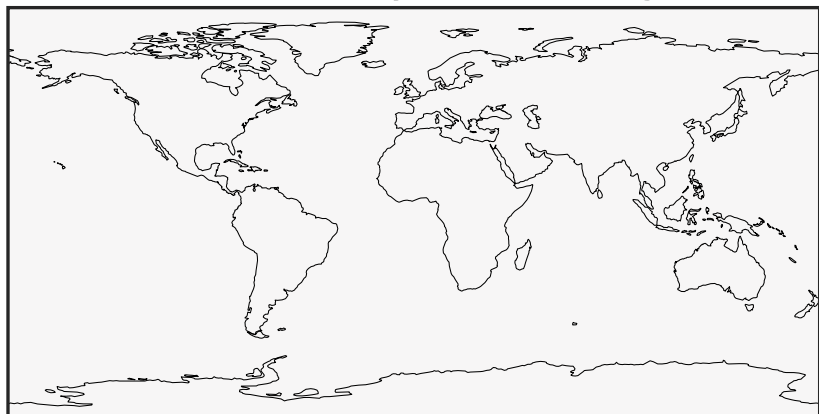
EmisC3H8_Aircraft (AnnualMean)

EmisCH2O_Aircraft (AnnualMean)

14.2.0-rc.2 (Ref)
4.0x5.0
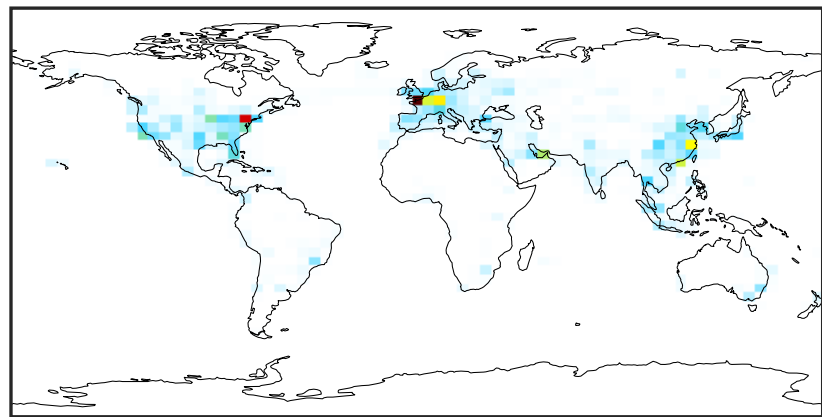
14.3.0-rc.0 (Dev)
4.0x5.0
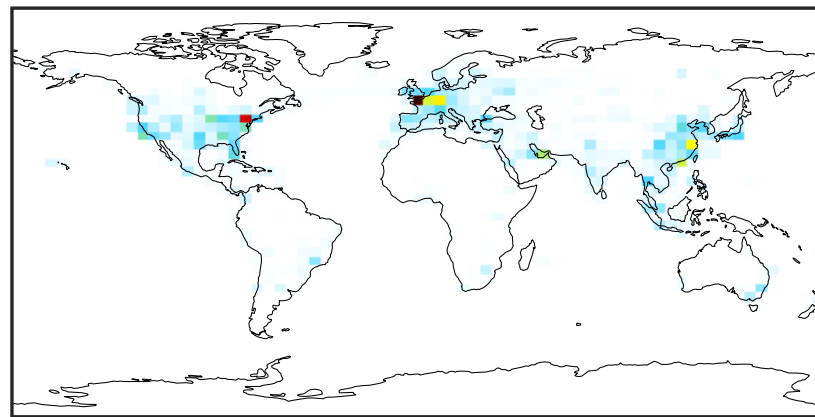
kg/m2/s

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
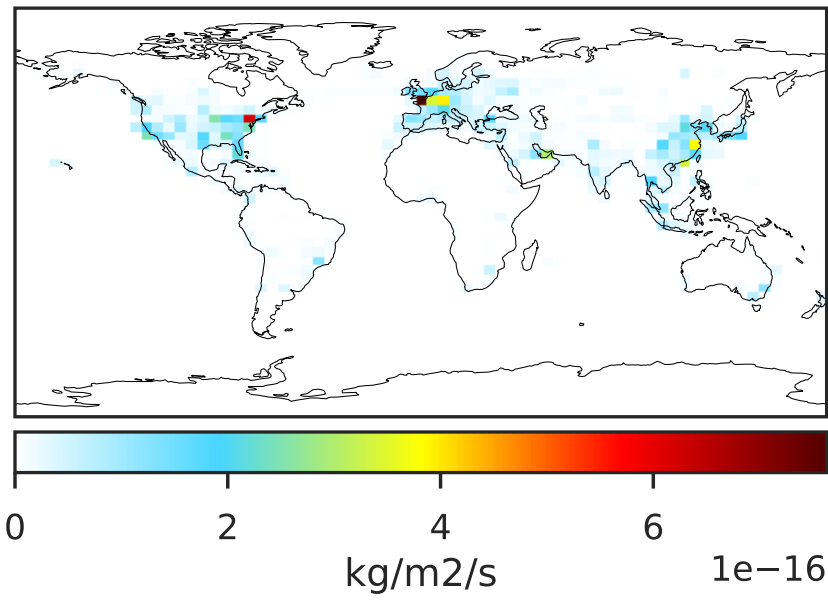
Ref and Dev equal throughout domain
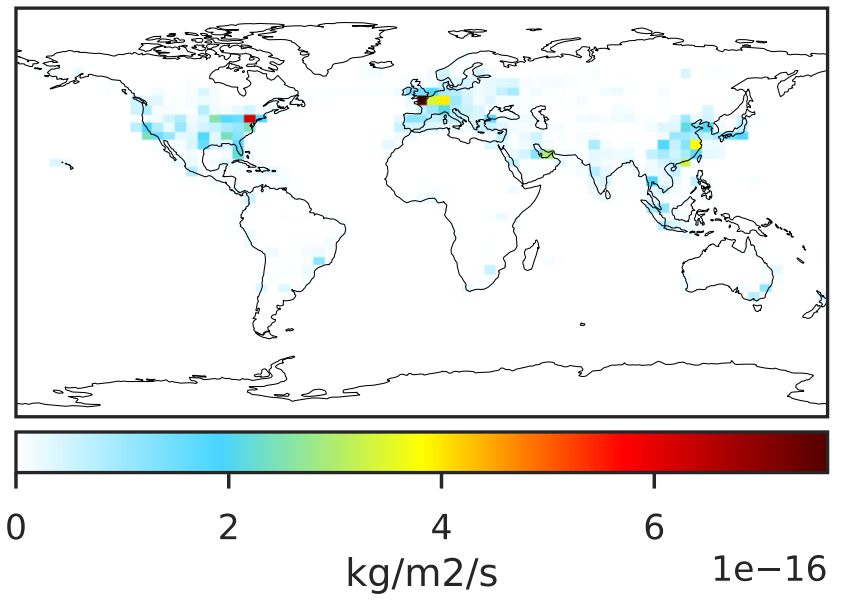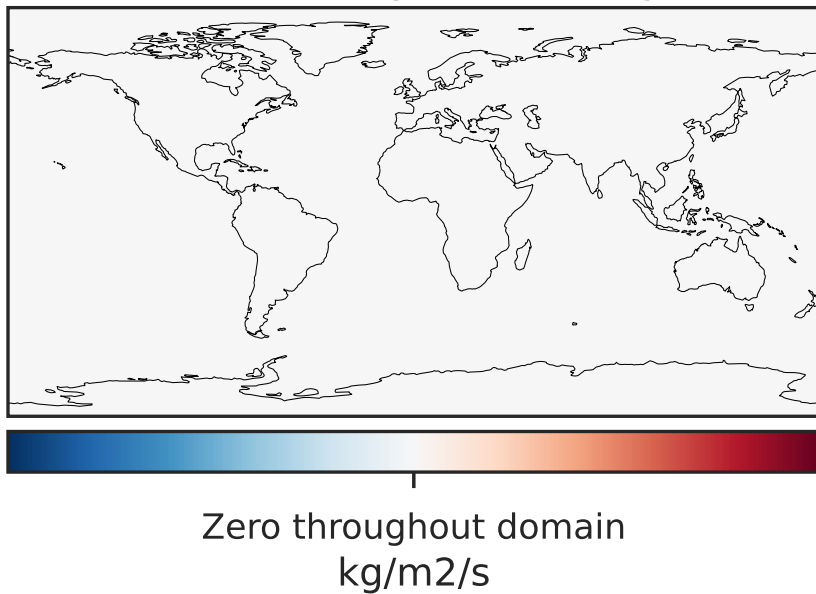unitless

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

EmisCO_Aircraft (AnnualMean)

14.2.0-rc.2 (Ref)
4.0x5.0

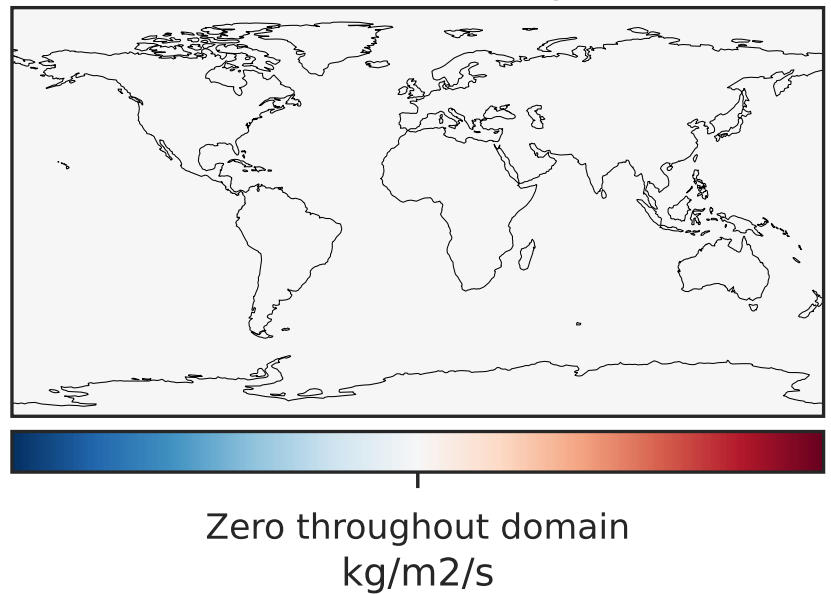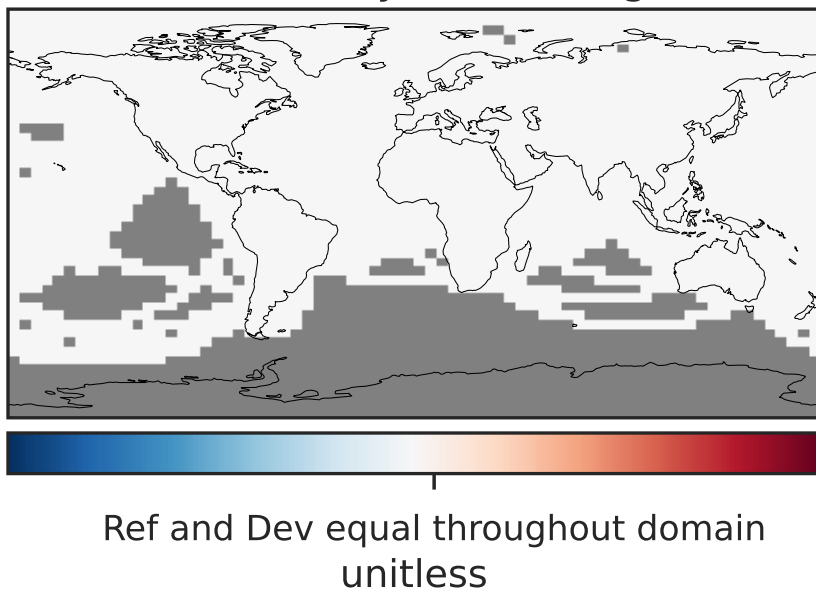## 14.3.0-rc.0 (Dev)
4.0x5.0

kg/m2/s

kg/m2/s

Difference
Dev - Ref, Dynamic Range

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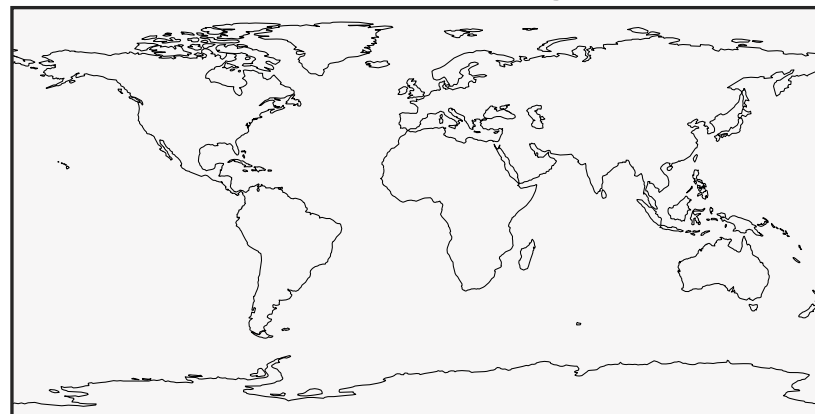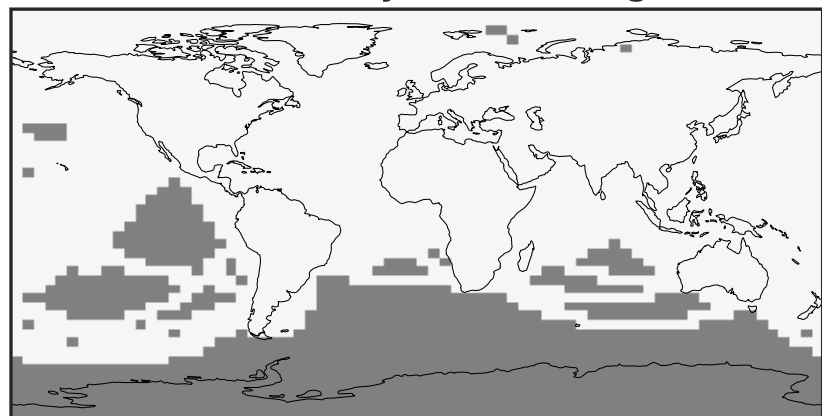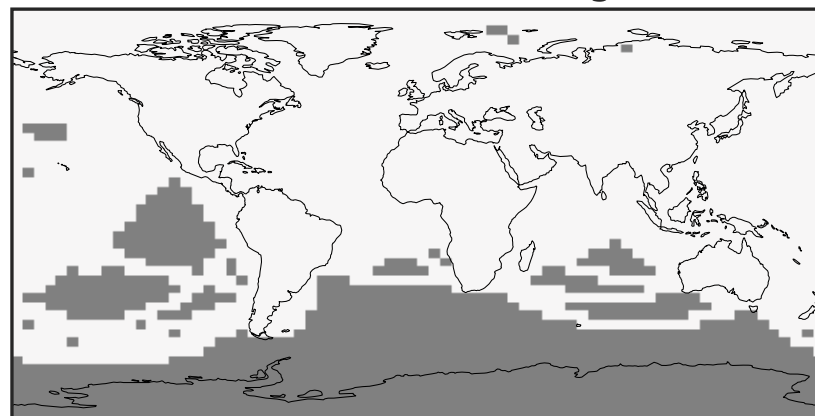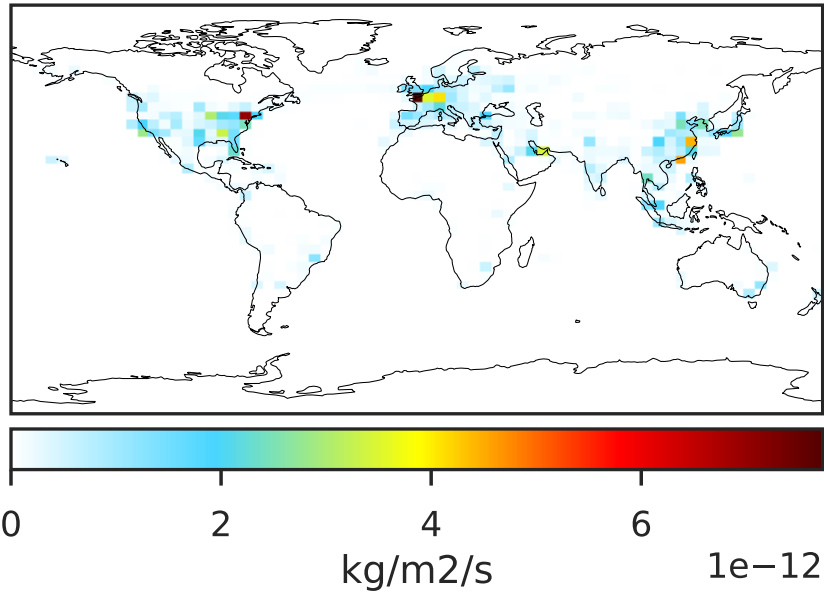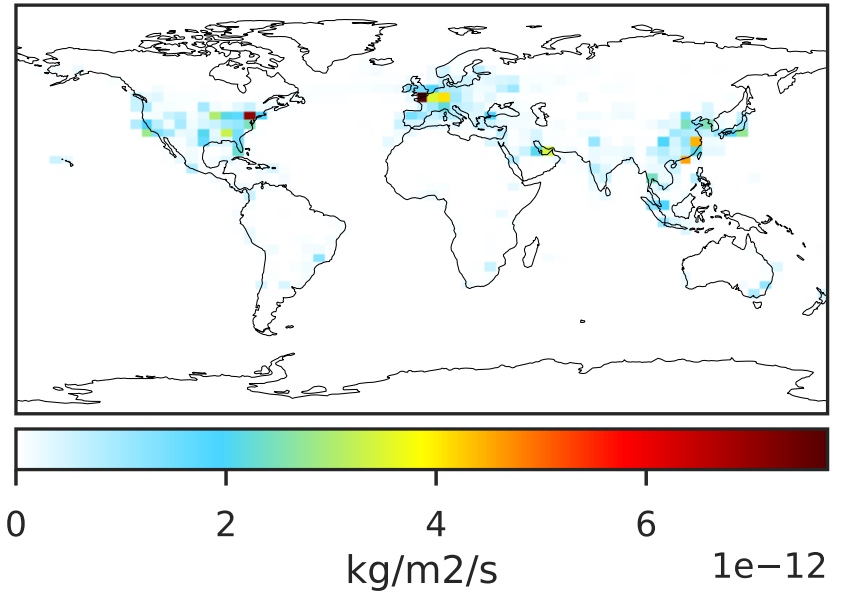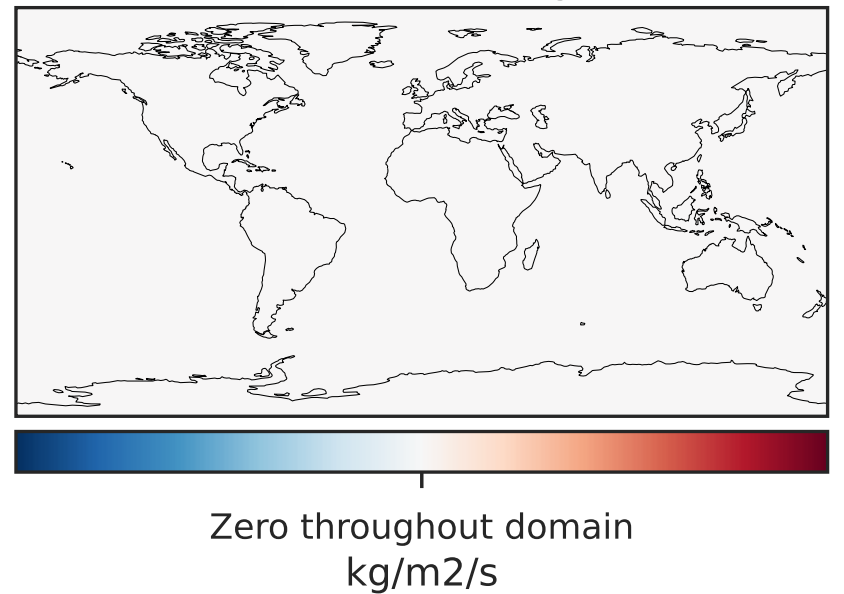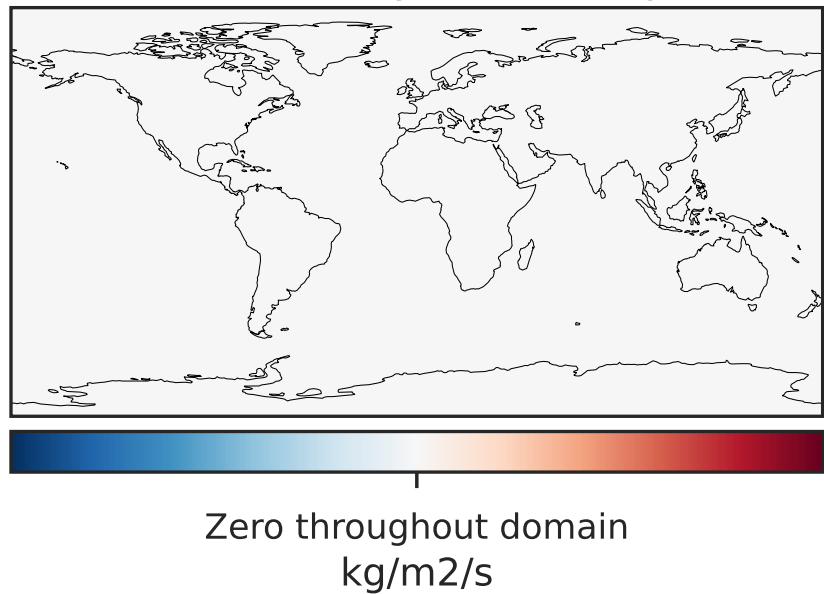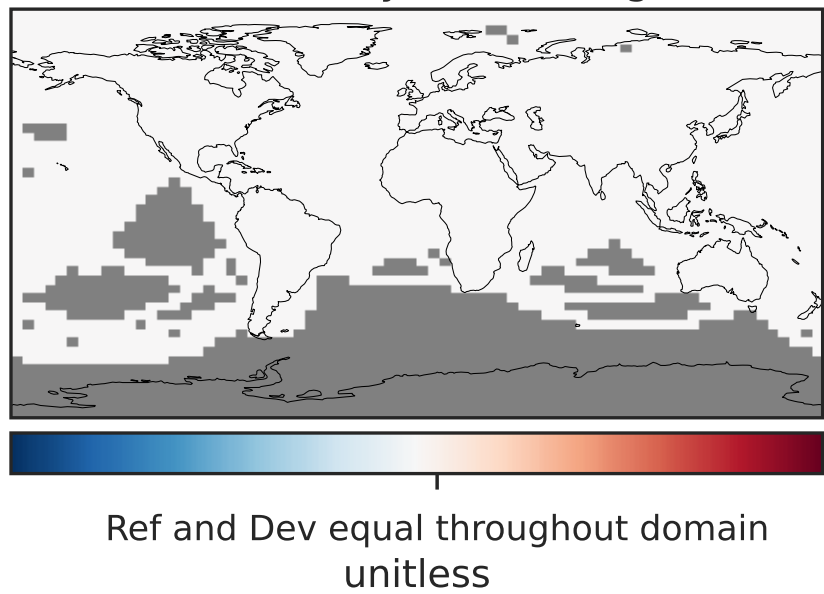## Dev - Ref, Restricted Range [5%,95%]

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
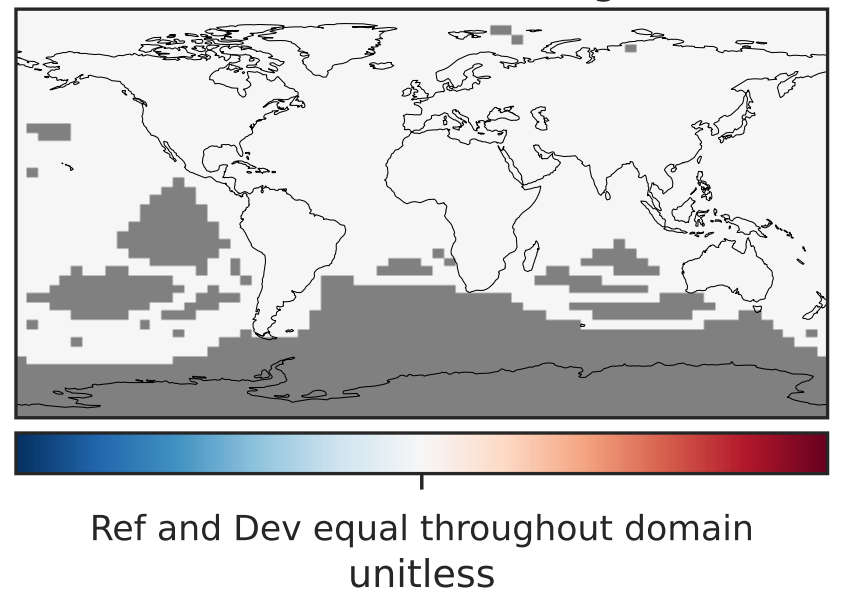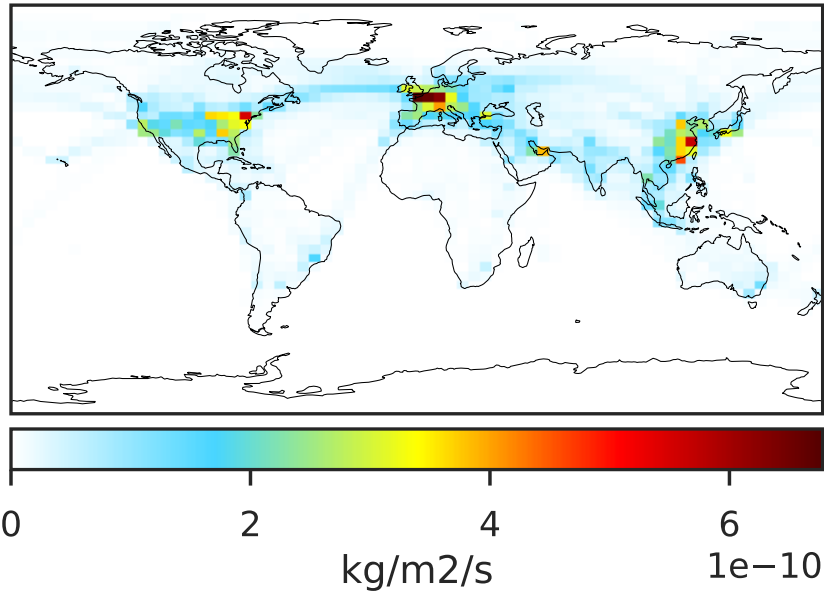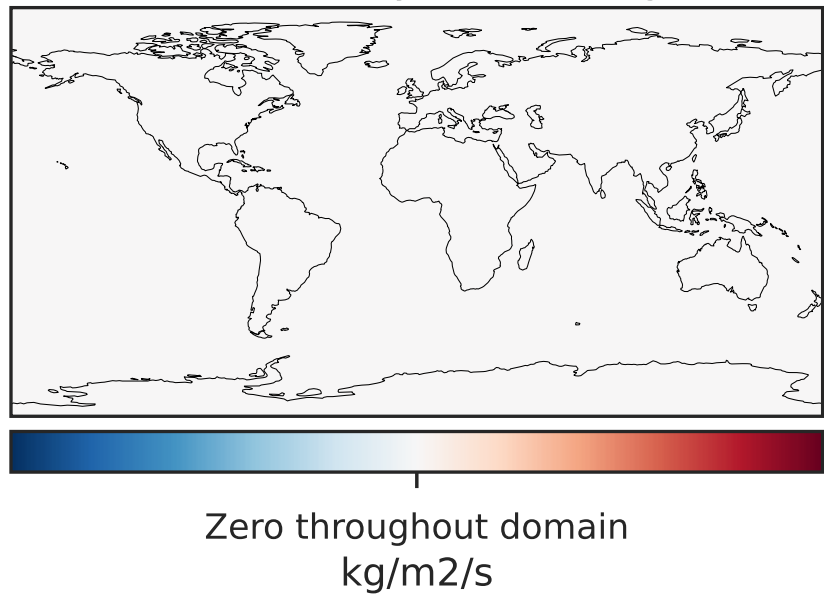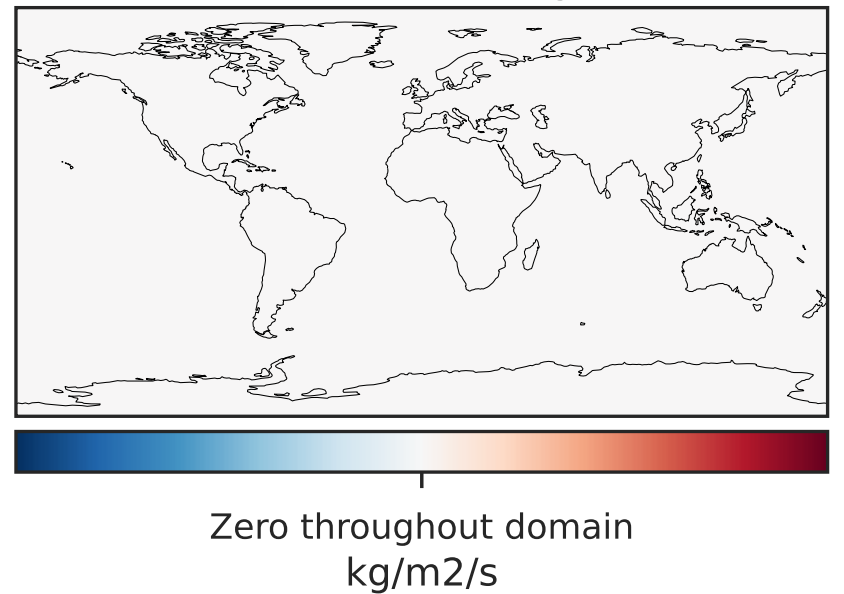
EmisH2O_Aircraft (AnnualMean)
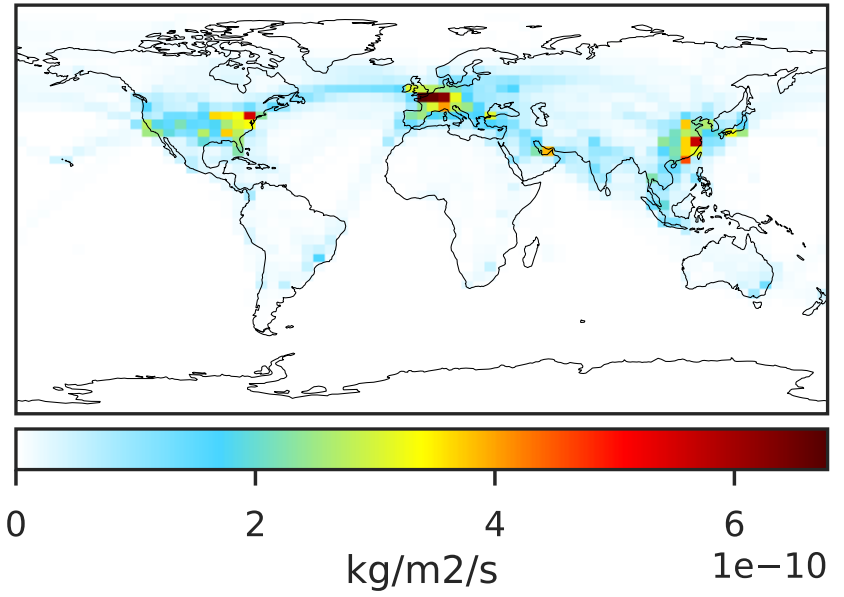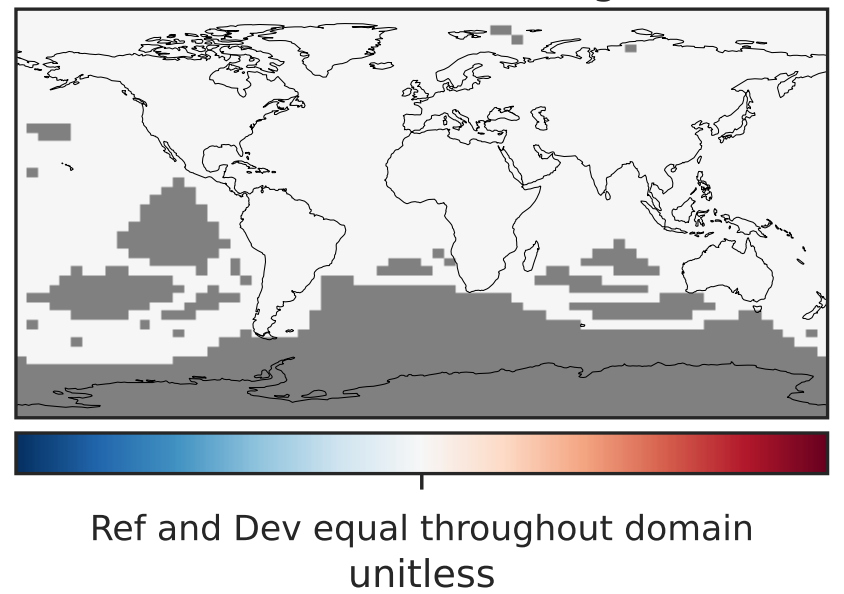
EmisMACR_Aircraft (AnnualMean)
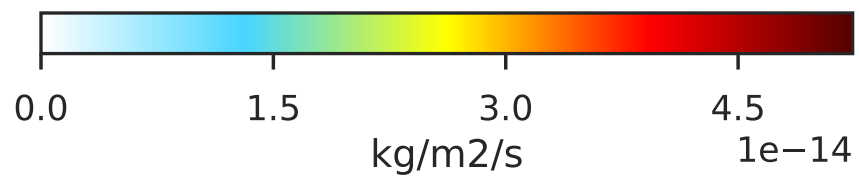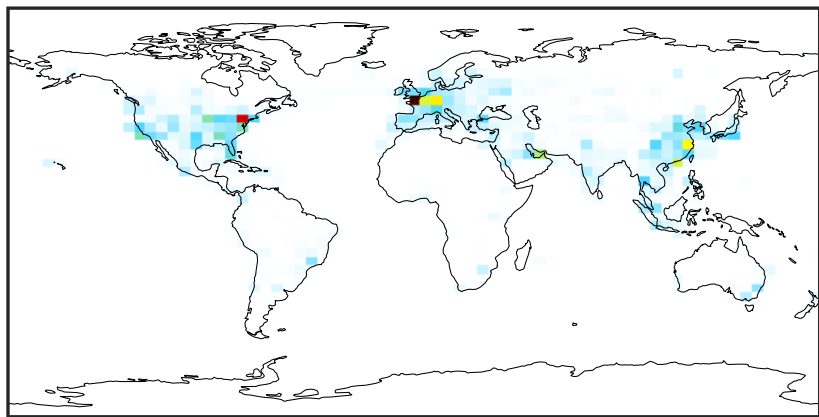
14.2.0-rc.2 (Ref)
4.0x5.0

14.3.0-rc.0 (Dev)
4.0x5.0

kg/m2/s
1e−14

kg/m2/s
1e−14
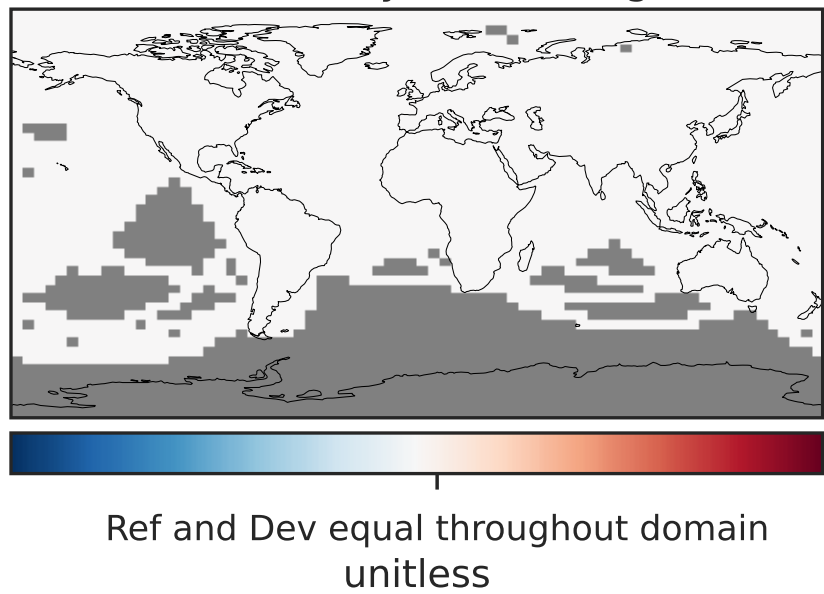
Difference
Dev - Ref, Dynamic Range
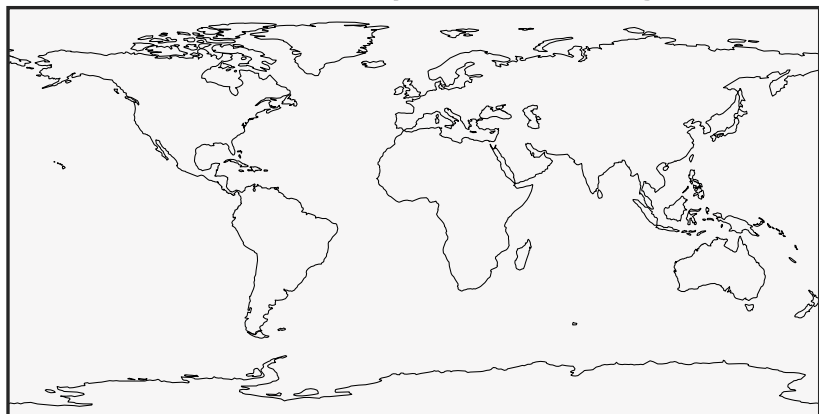
Difference
Dev - Ref, Restricted Range [5%,95%]

Zero throughout domain
kg/m2/s

Zero throughout domain
kg/m2/s
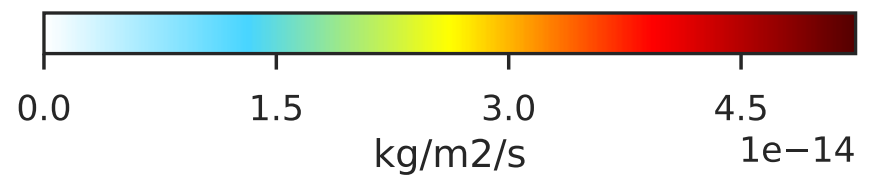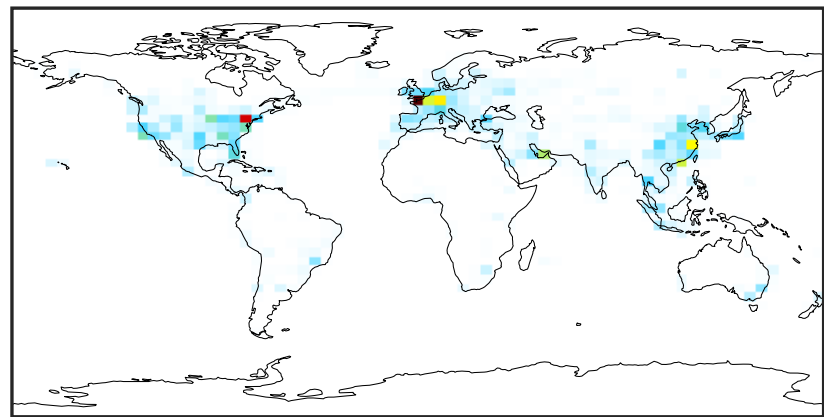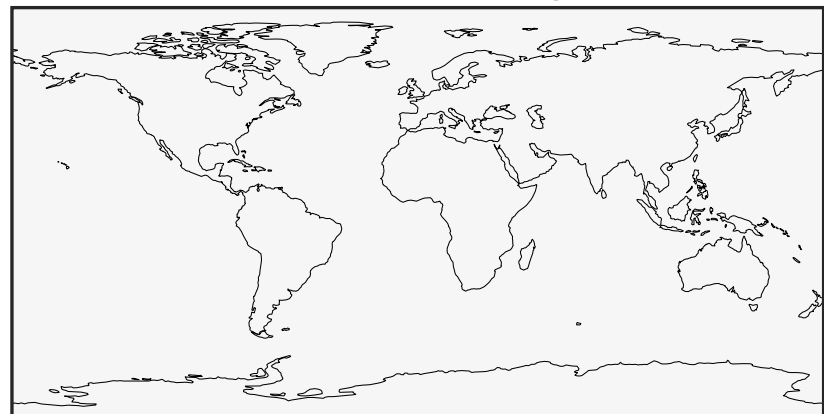
Ratio
Dev/Ref, Dynamic Range
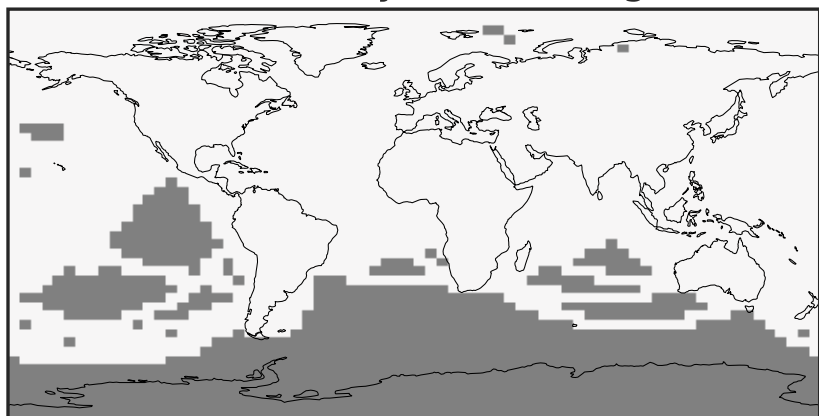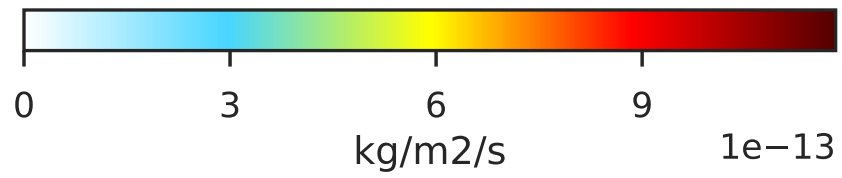
Ratio
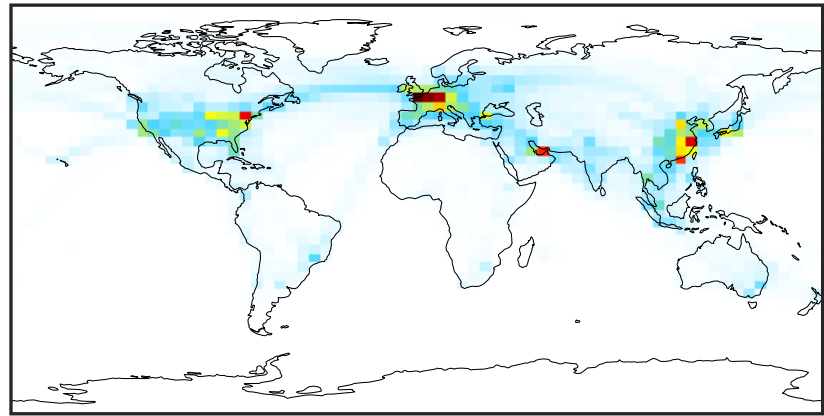Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
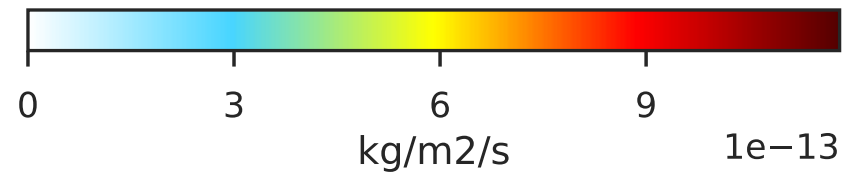unitless
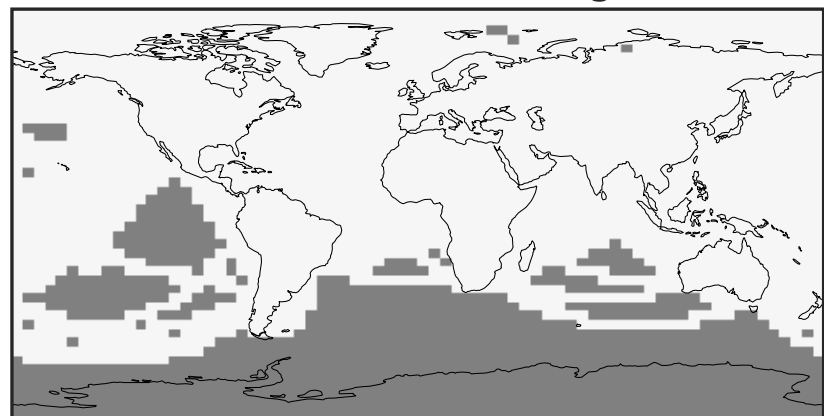
Ref and Dev equal throughout domain
unitless

EmisNO2_Aircraft (AnnualMean)

14.2.0-rc.2 (Ref)
4.0x5.0

14.3.0-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
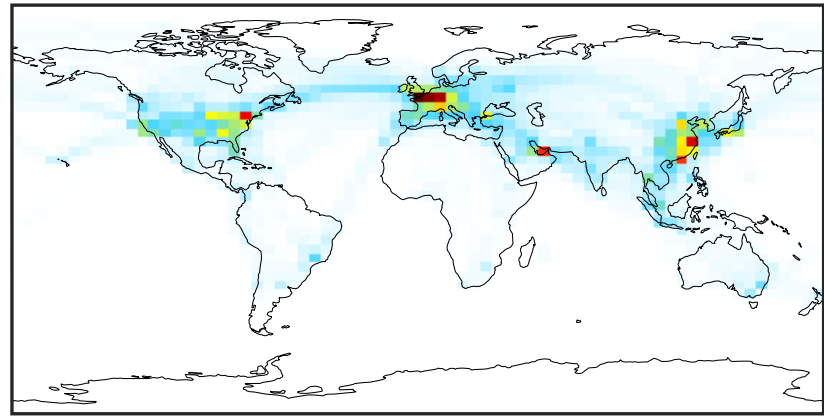### Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

Ref and Dev equal throughout domain
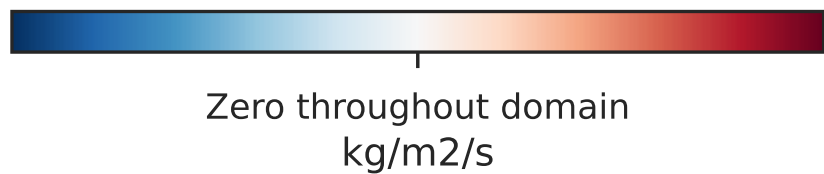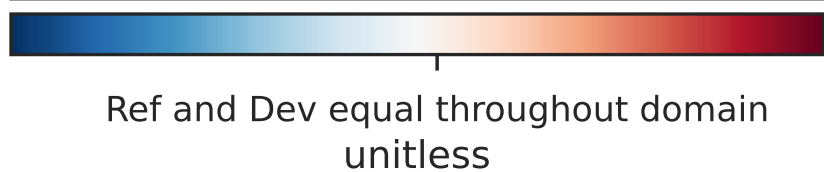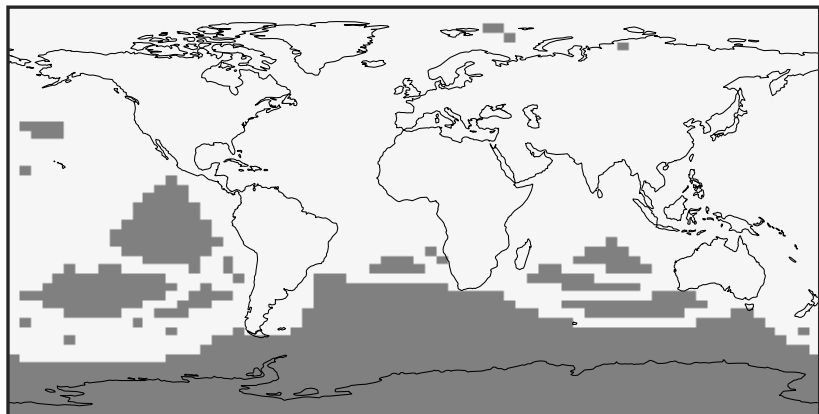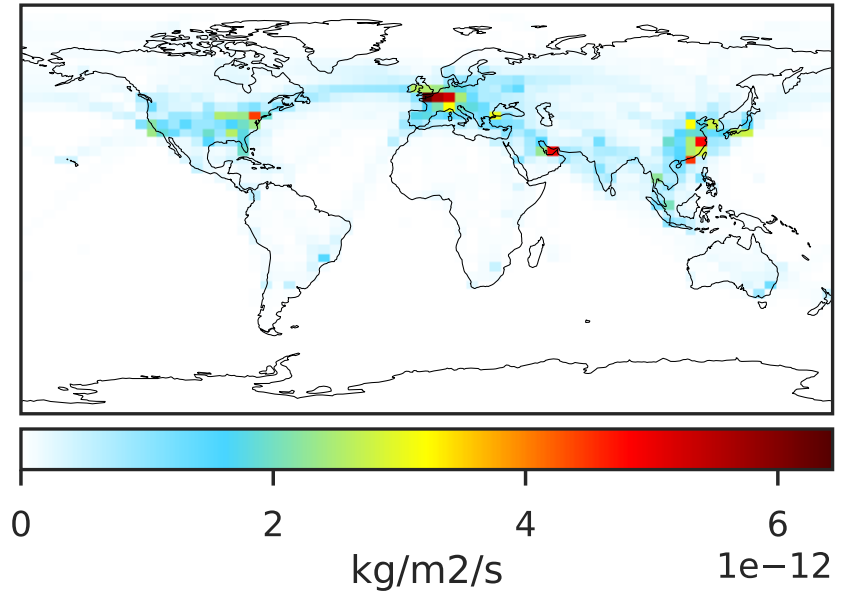unitless

EmisNO_Aircraft (AnnualMean)

14.2.0-rc.2 (Ref)
4.0x5.0

0 2 4 6
kg/m2/s
1e−12

14.3.0-rc.0 (Dev)
4.0x5.0

0 2 4 6
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
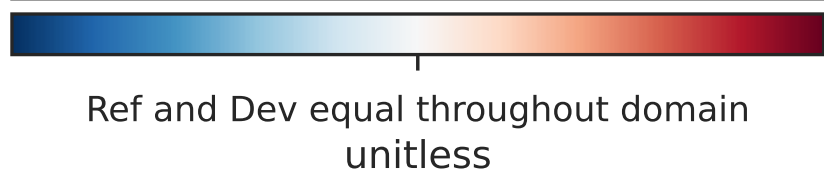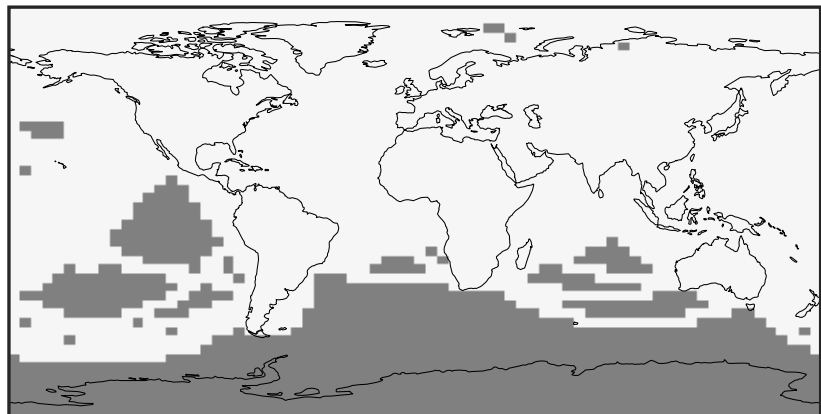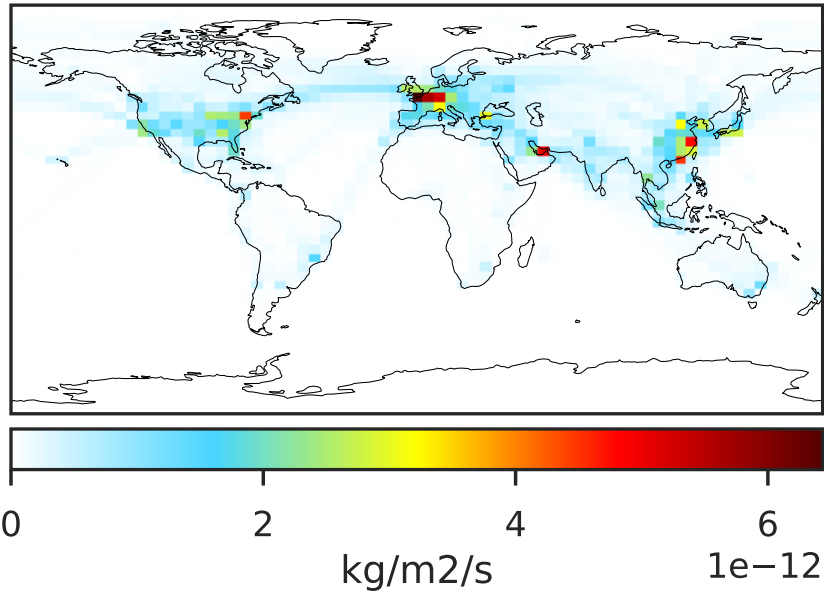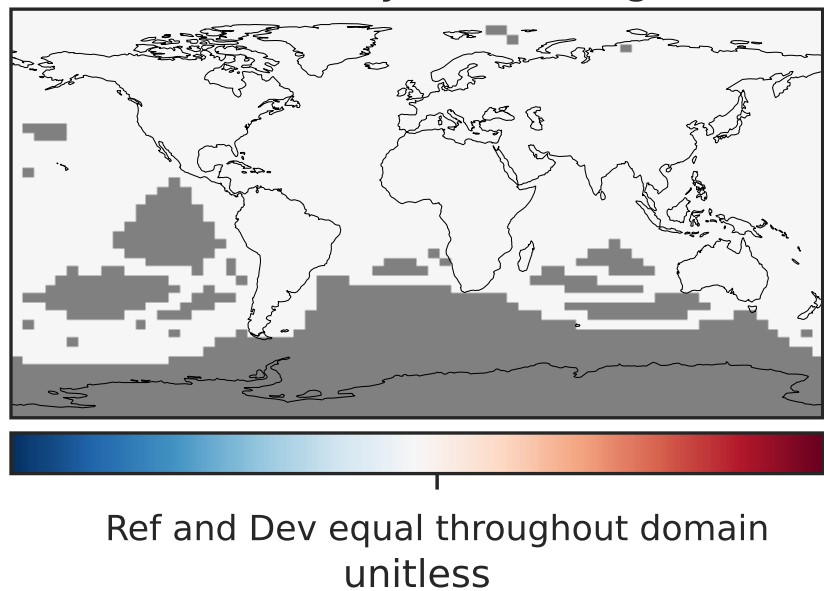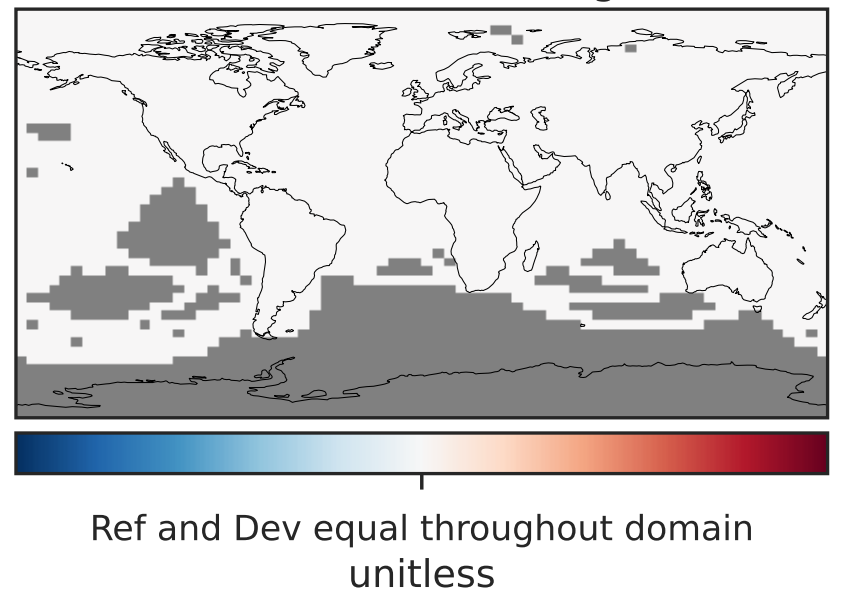
EmisOCPI_Aircraft (AnnualMean)

14.2.0-rc.2 (Ref)
4.0x5.0

14.3.0-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
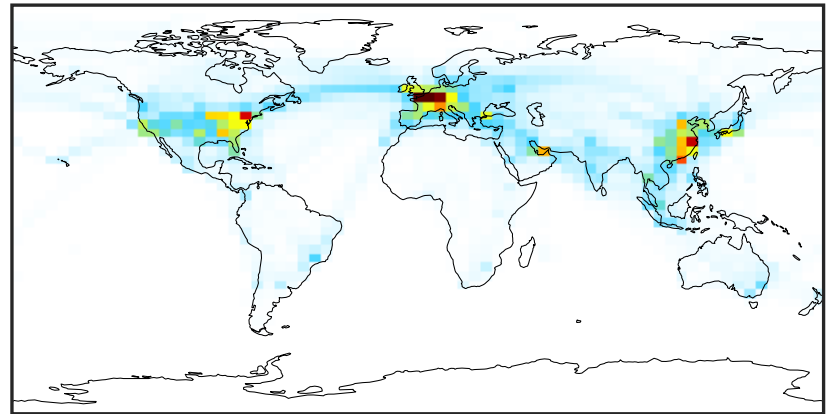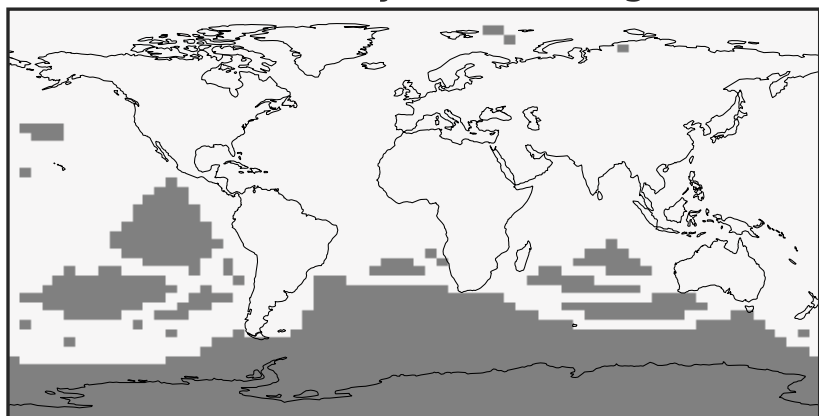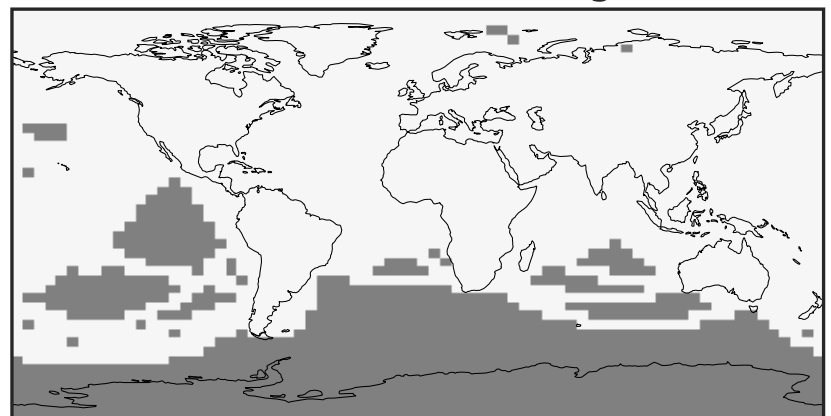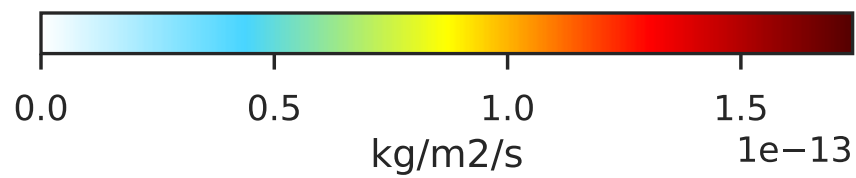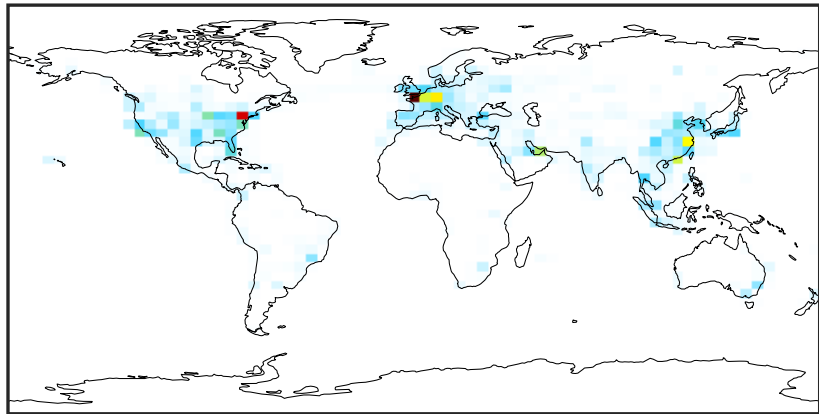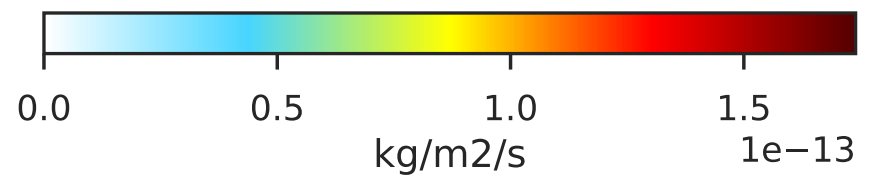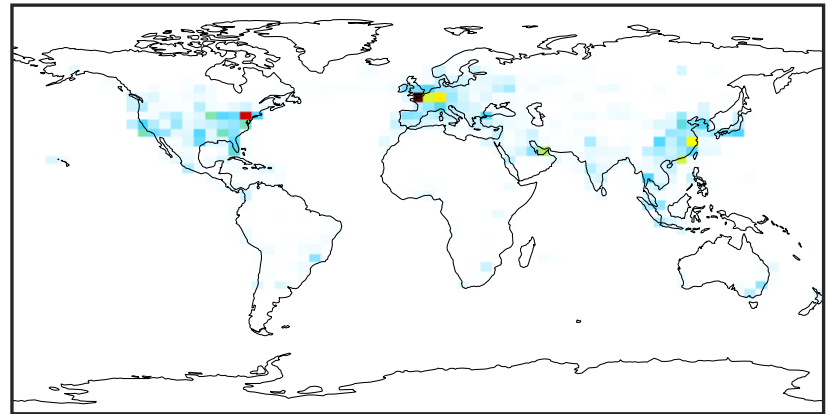kg/m2/s

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

Ref and Dev equal throughout domain
unitless

EmisPRPE_Aircraft (AnnualMean)

EmisRCHO_Aircraft (AnnualMean)

EmisSO2_Aircraft (AnnualMean)

14.2.0-rc.2 (Ref)
4.0x5.0

kg/m2/s
1e−13

14.3.0-rc.0 (Dev)
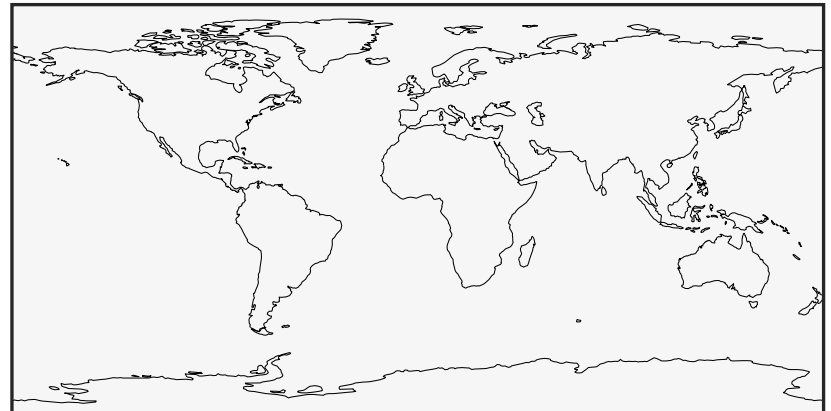### 4.0x5.0

kg/m2/s
1e−13

Difference
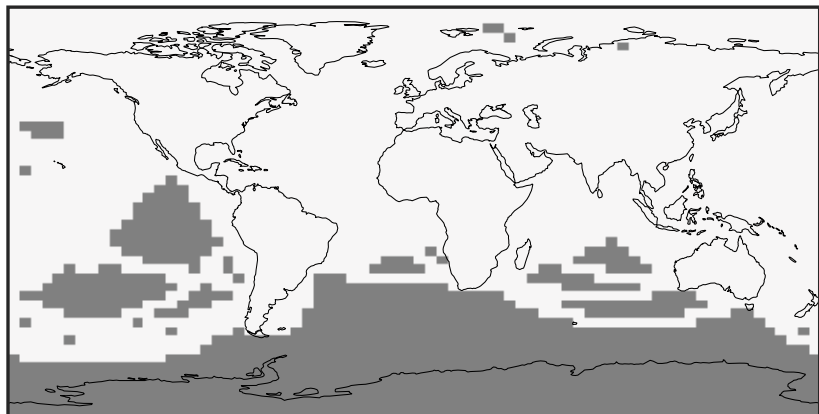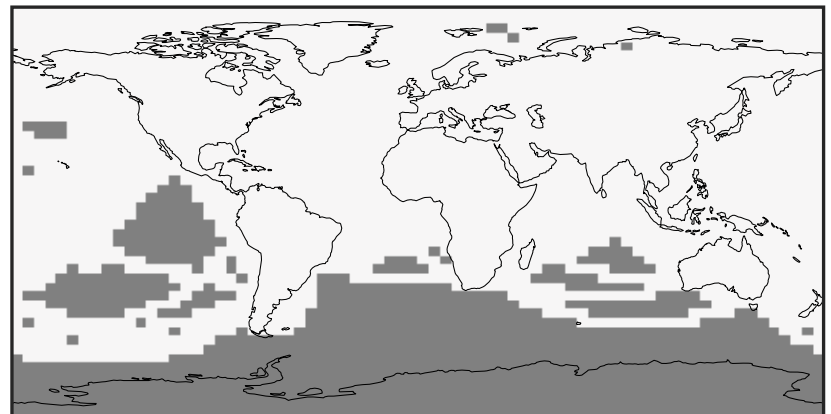### Dev - Ref, Dynamic Range

Zero throughout domain
kg/m2/s

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

Zero throughout domain
kg/m2/s

Ratio
Dev/Ref, Dynamic Range
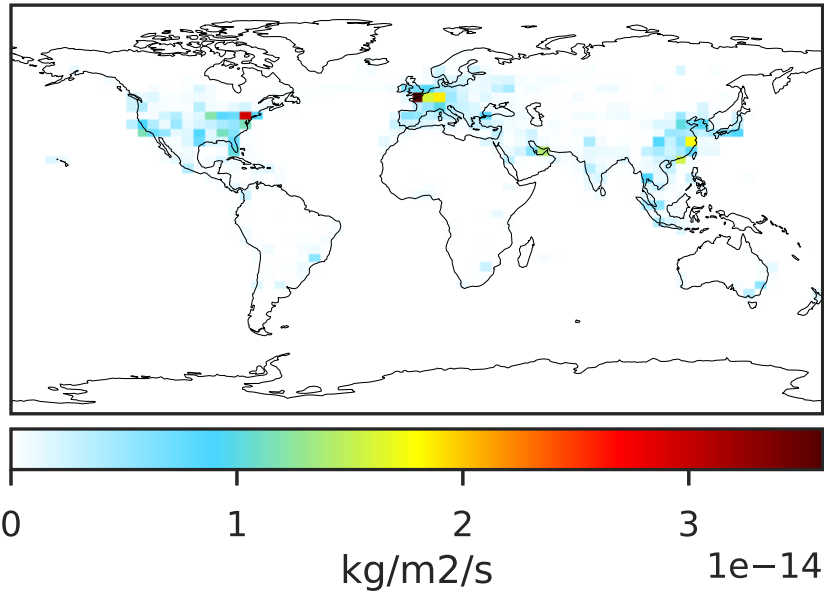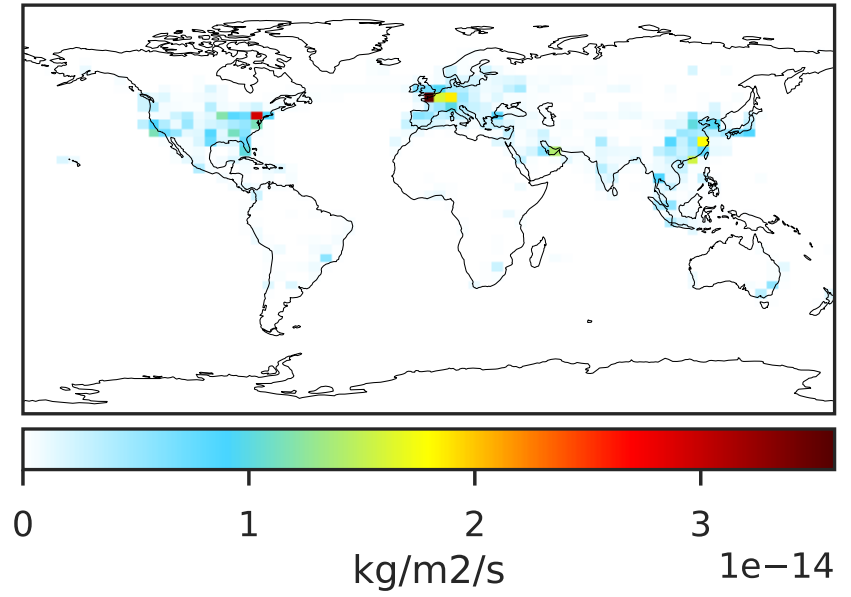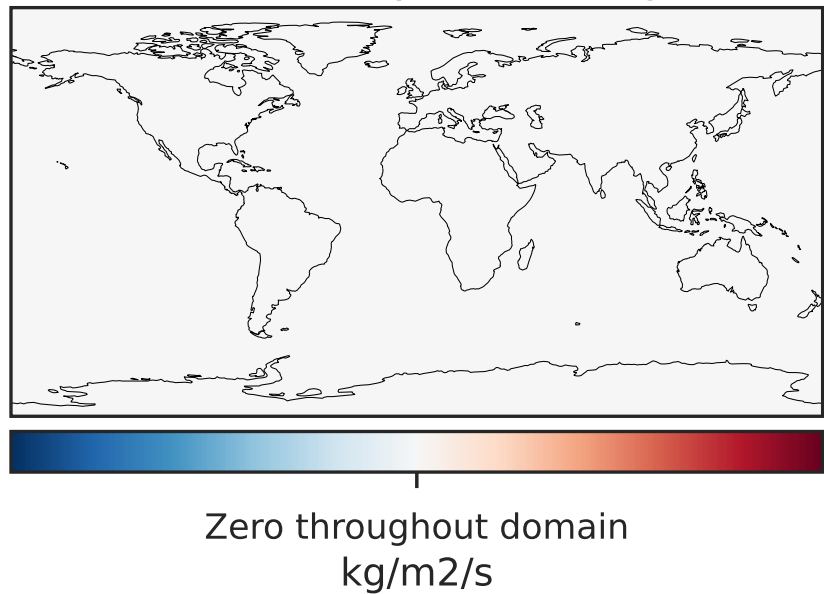

Ref and Dev equal throughout domain
unitless

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless
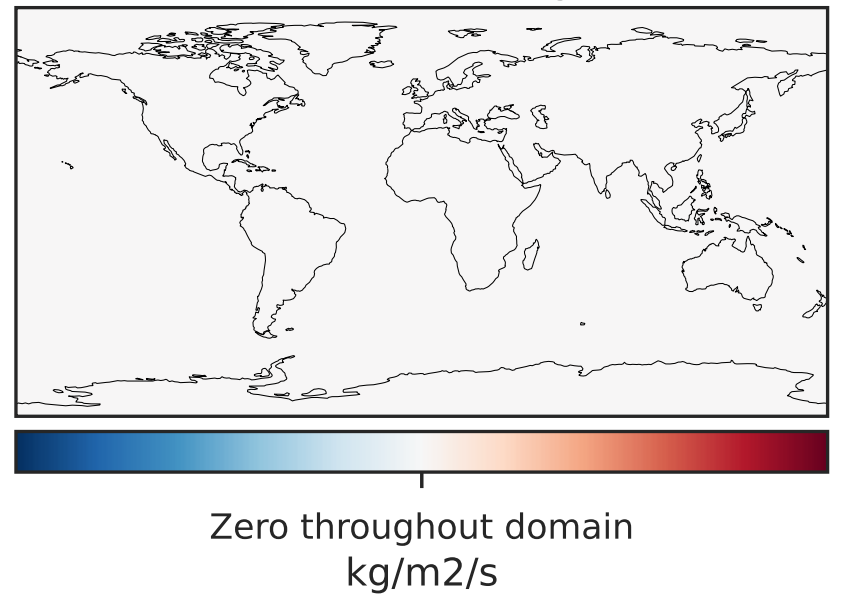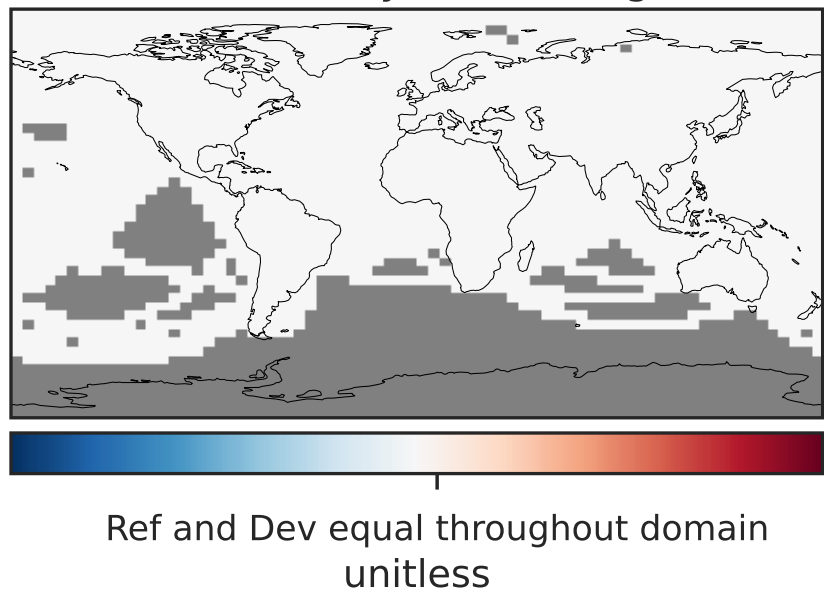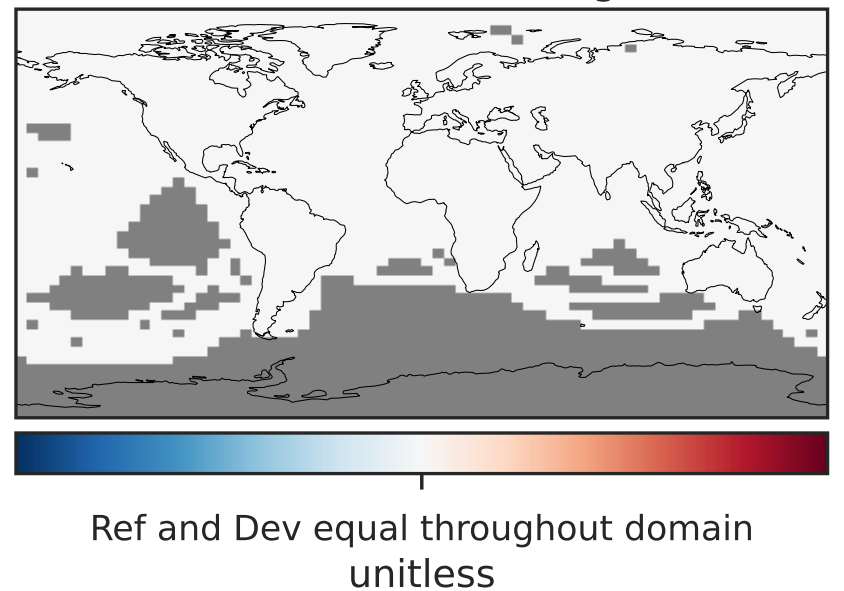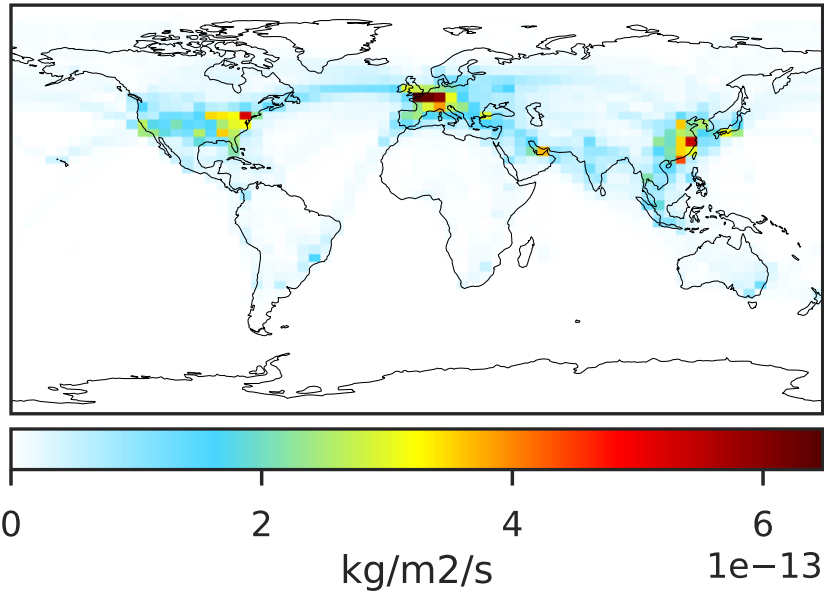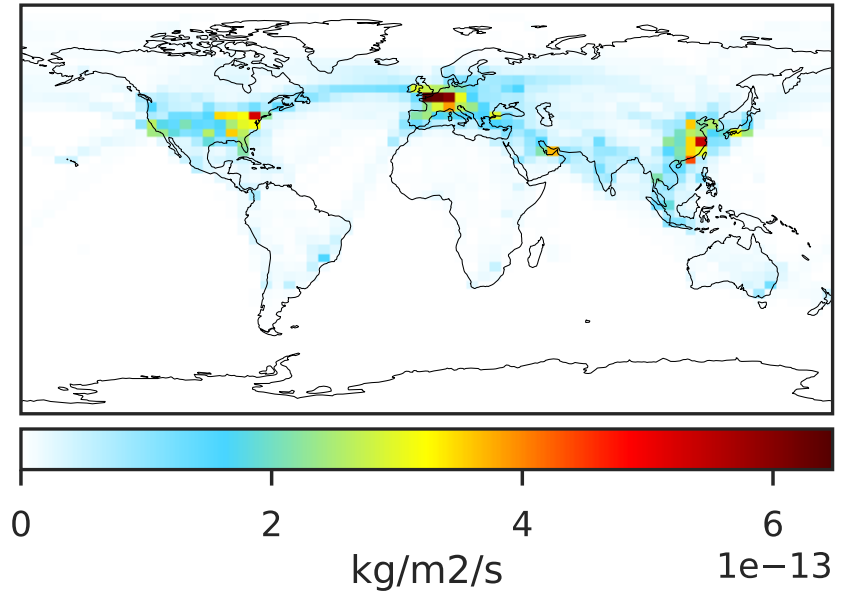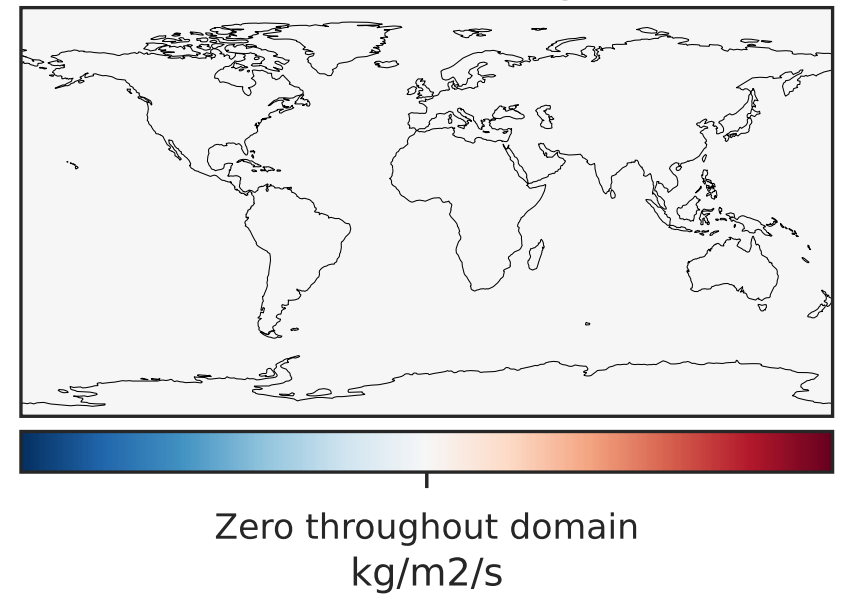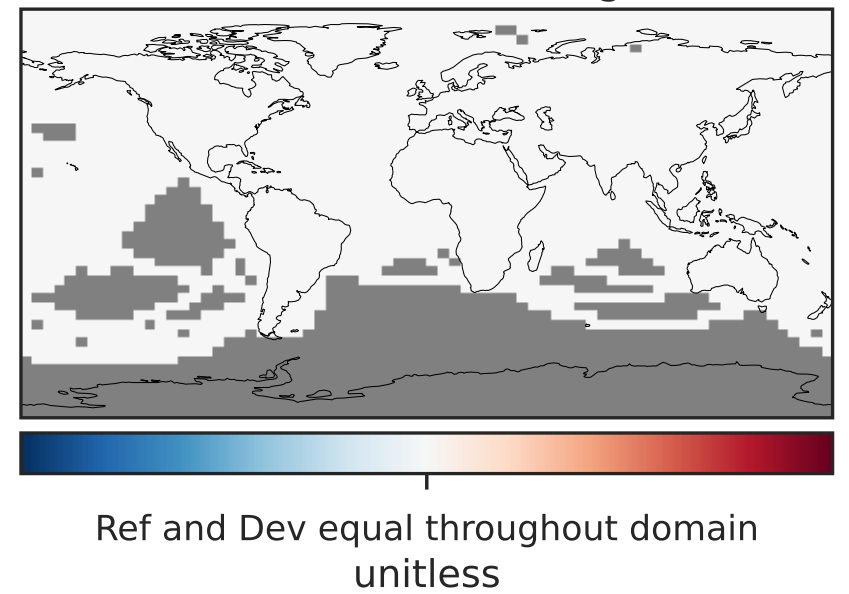
EmisSO4_Aircraft (AnnualMean)
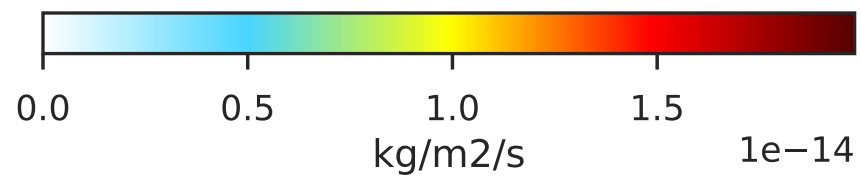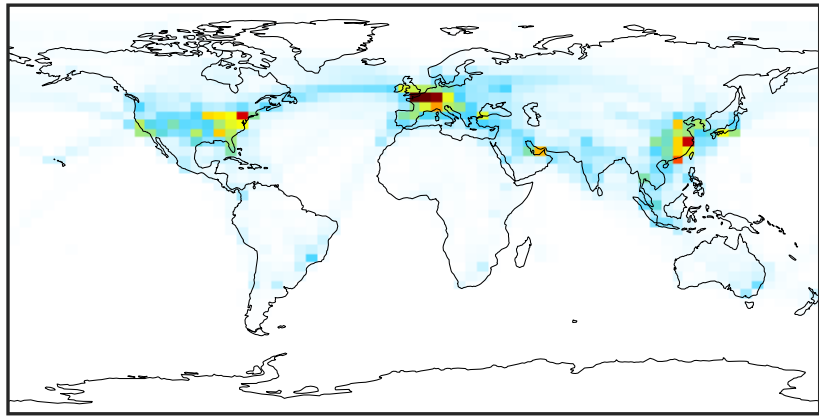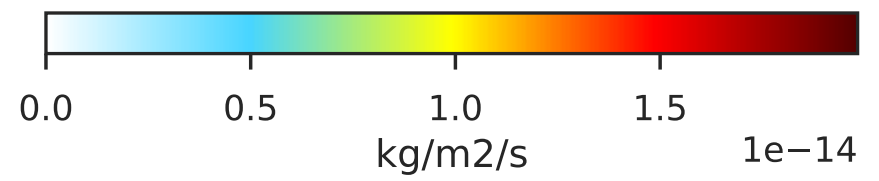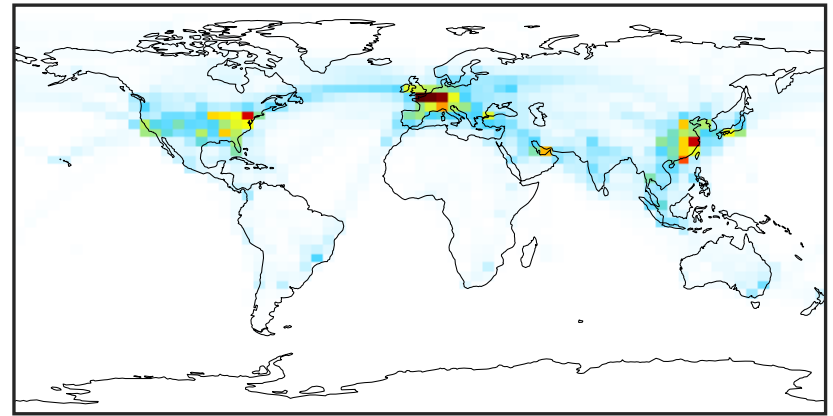
EmisSOAP_Aircraft (AnnualMean)

14.2.0-rc.2 (Ref)
4.0x5.0

kg/m2/s
1e−13

14.3.0-rc.0 (Dev)
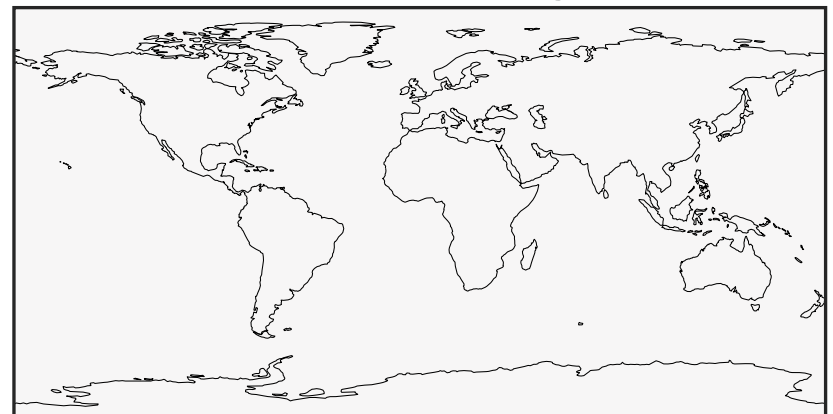### 4.0x5.0

kg/m2/s
1e−13

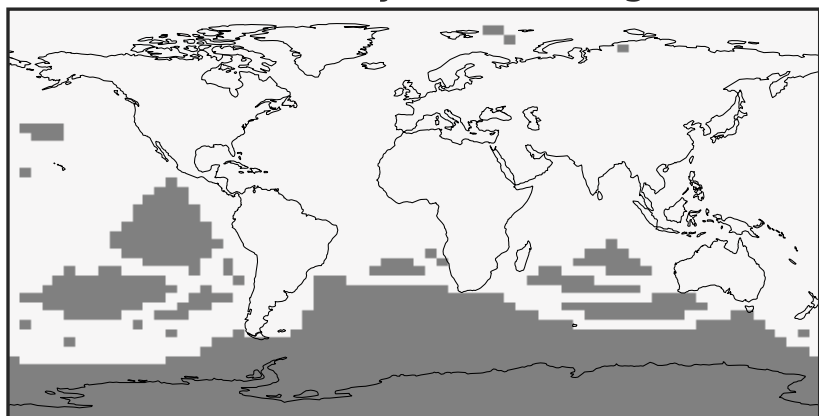## Difference
Dev - Ref, Dynamic Range

Zero throughout domain
kg/m2/s

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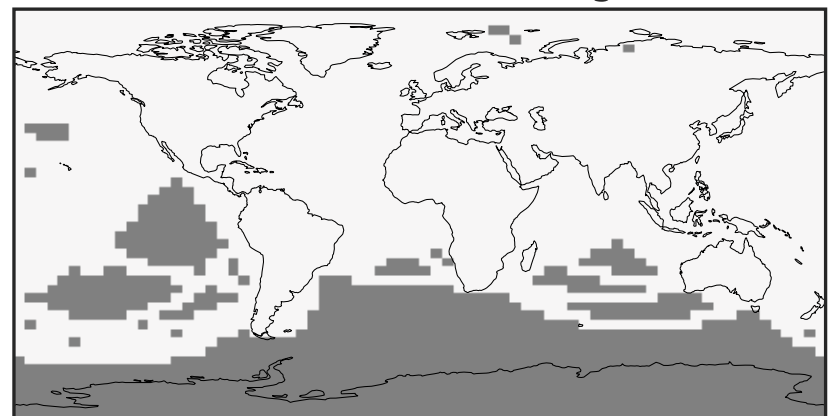### Dev - Ref, Restricted Range [5%,95%]

Zero throughout domain
kg/m2/s

Ratio
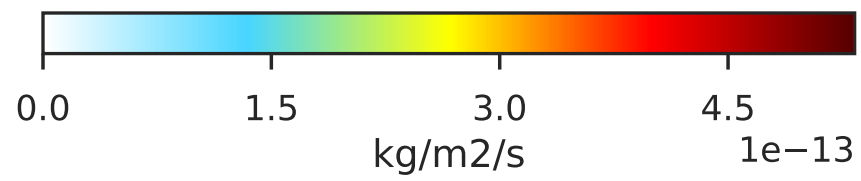### Dev/Ref, Dynamic Range
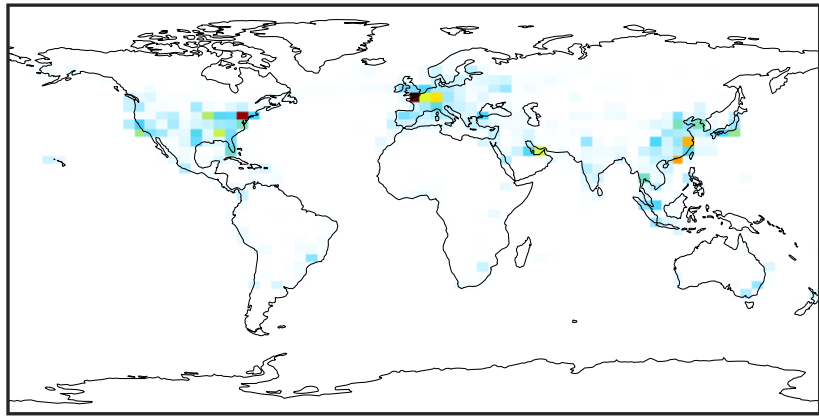

Ref and Dev equal throughout domain
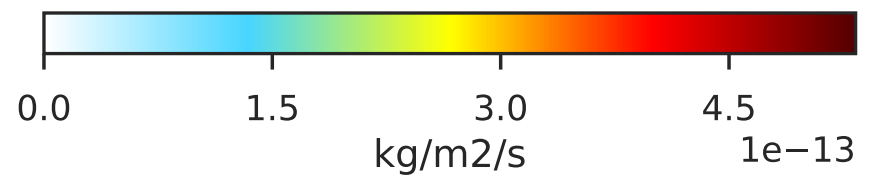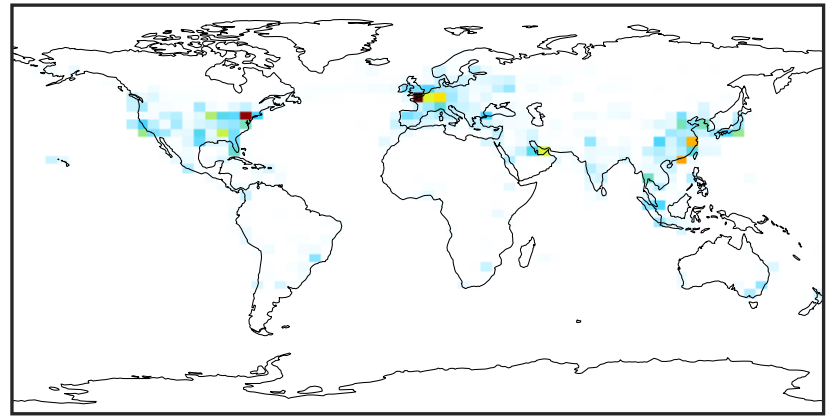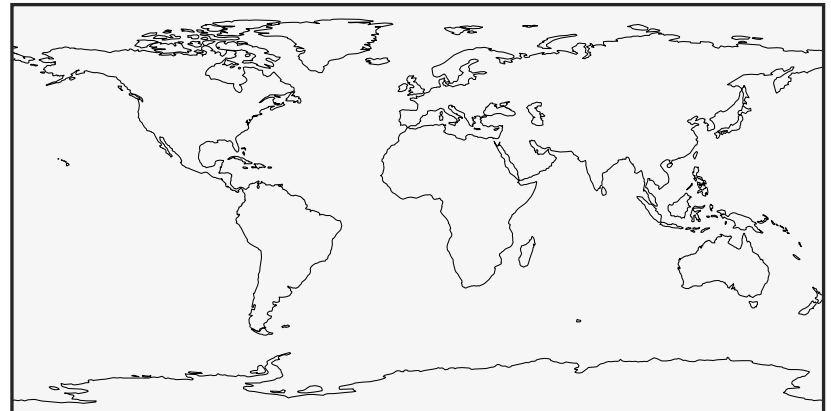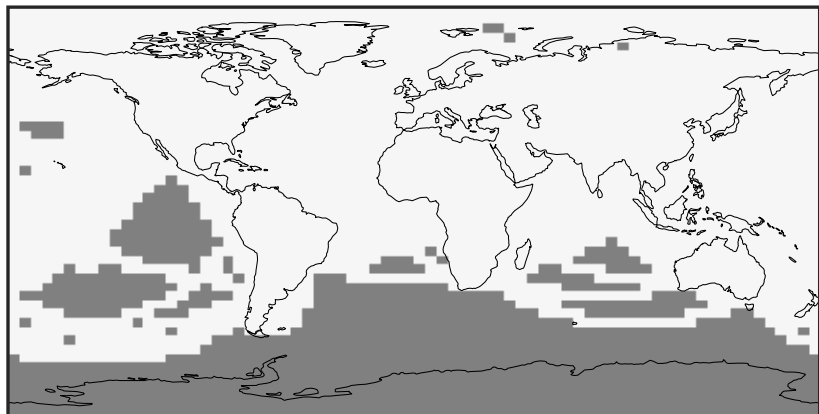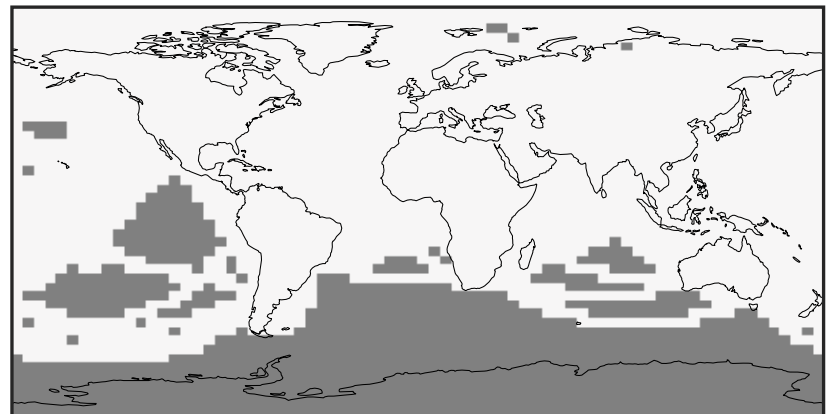unitless

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless