# EmisBrSALA_Natural (Jan2019)

GCHP_13.0.0-beta.1 (Ref)
c48
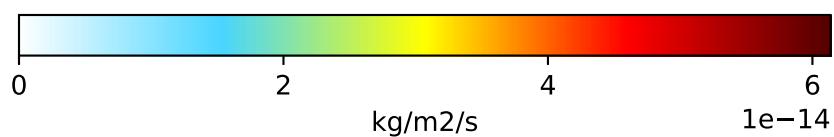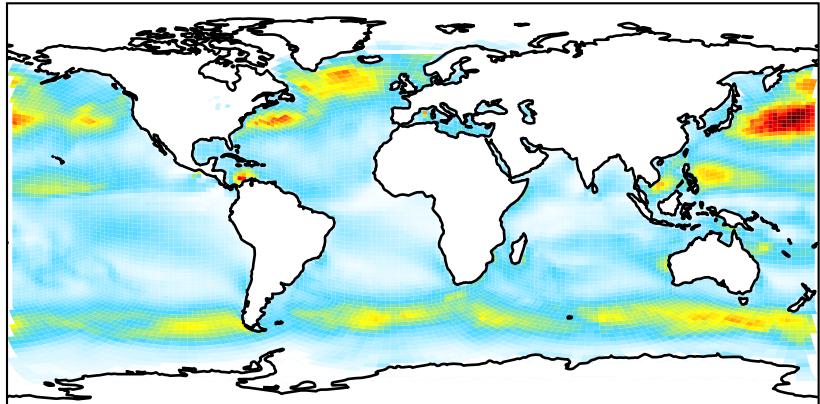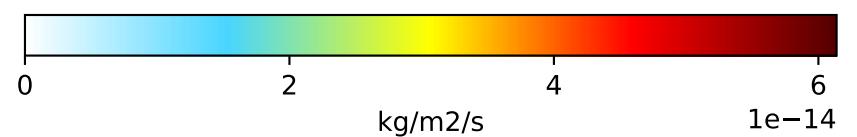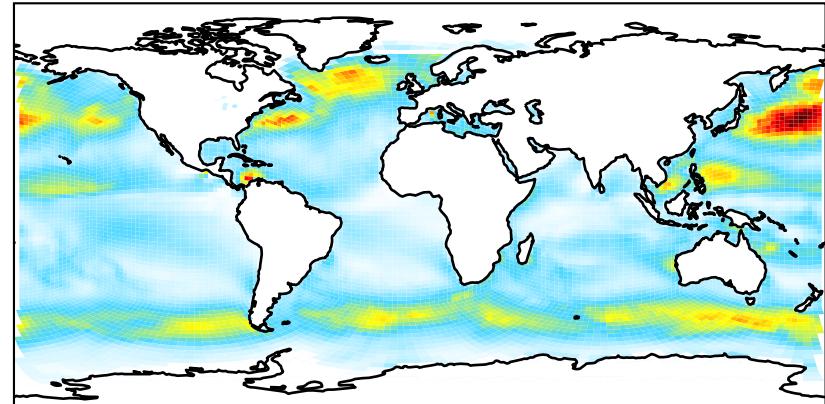
GCHP_13.0.0-rc.0 (Dev)
c48

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

unitless

unitless
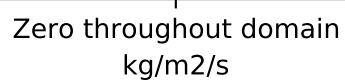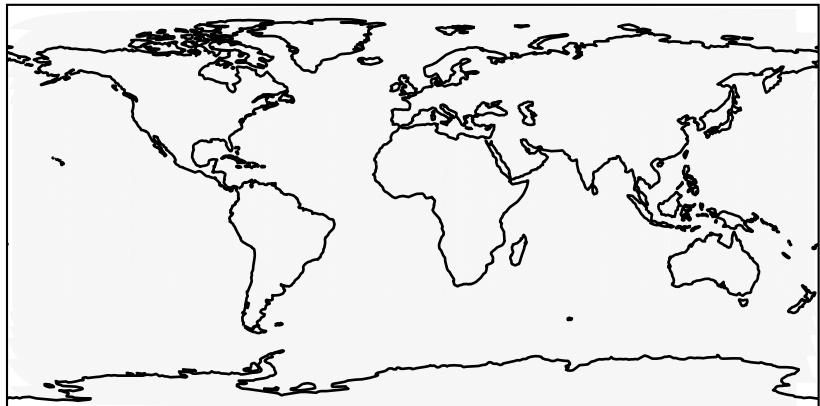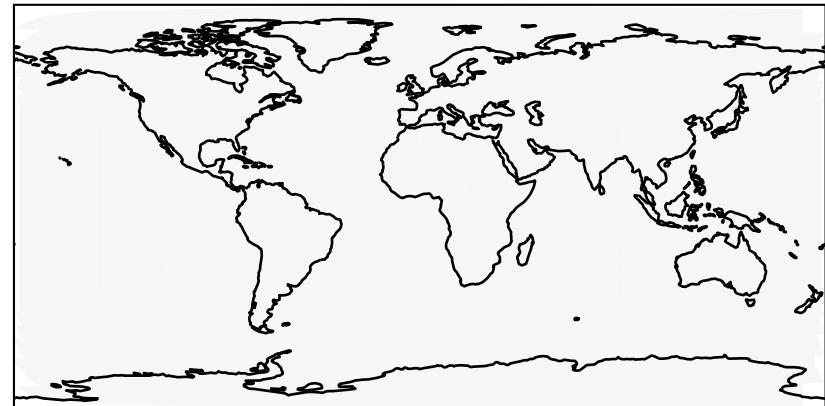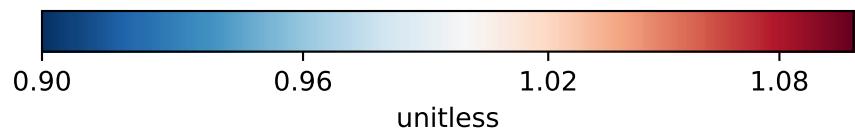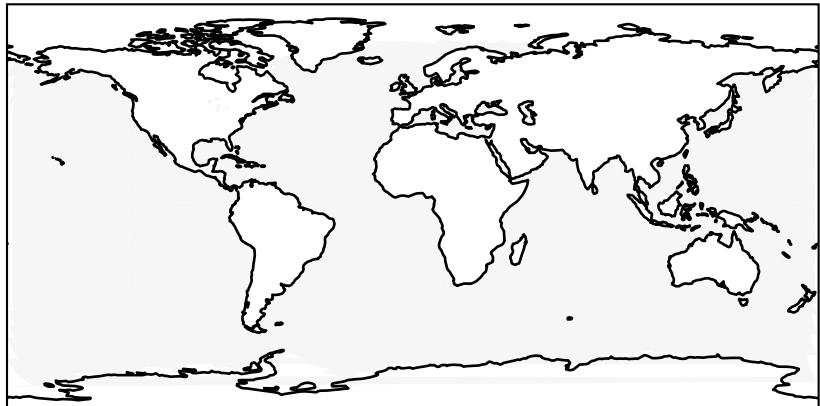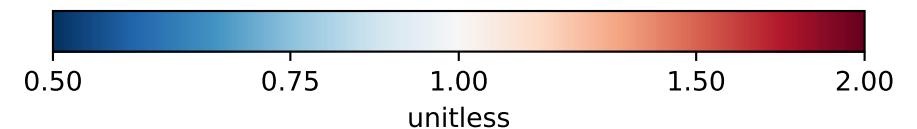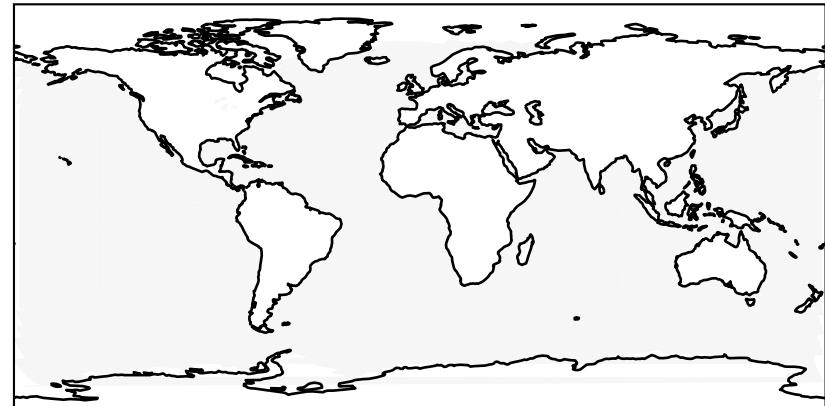
EmisBrSALC_Natural (Jan2019)

GCHP_13.0.0-beta.1 (Ref)
c48
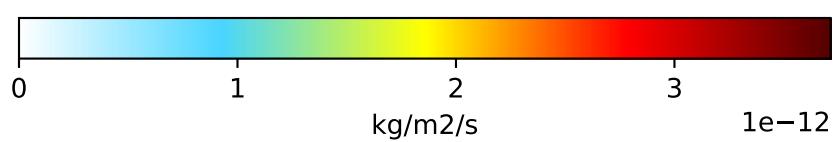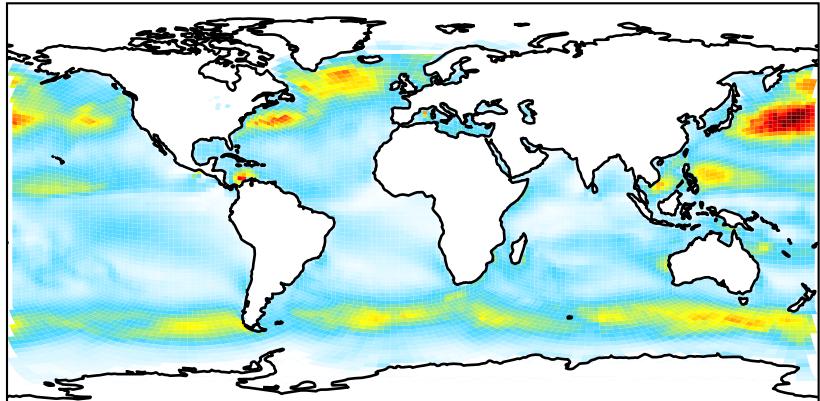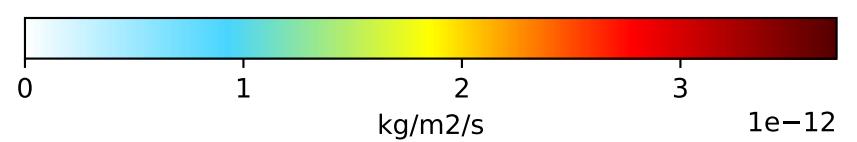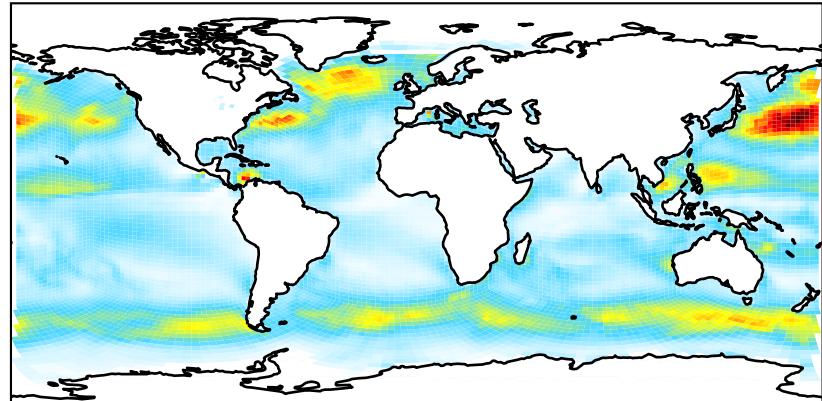
GCHP_13.0.0-rc.0 (Dev)
c48

kg/m2/s

1e−12

kg/m2/s

1e−12

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

unitless

unitless

# EmisDST1_Natural (Jan2019)
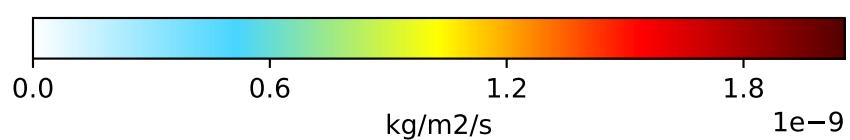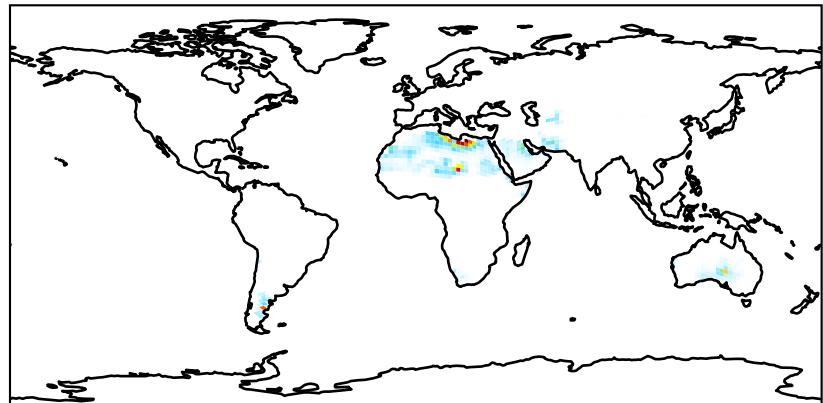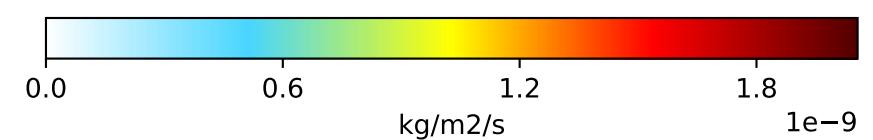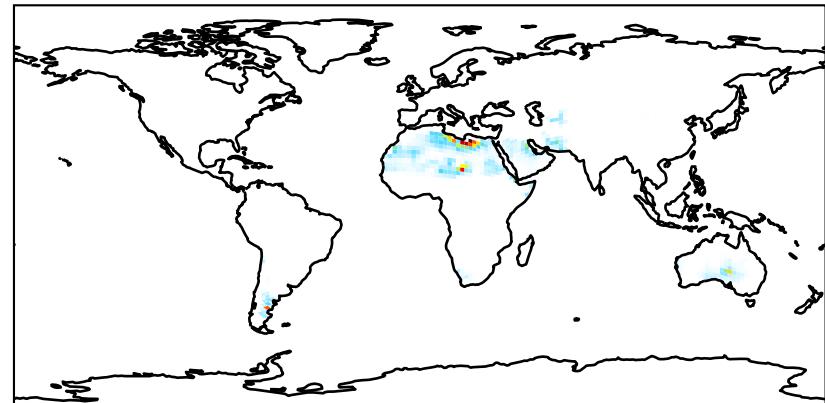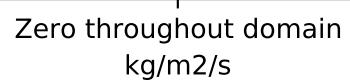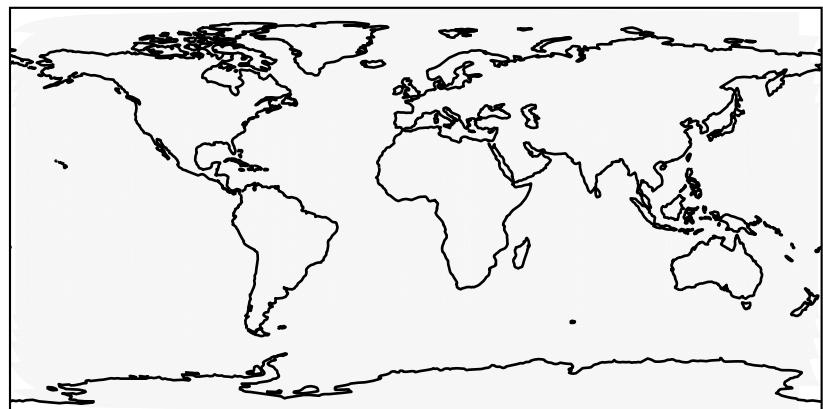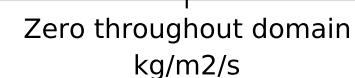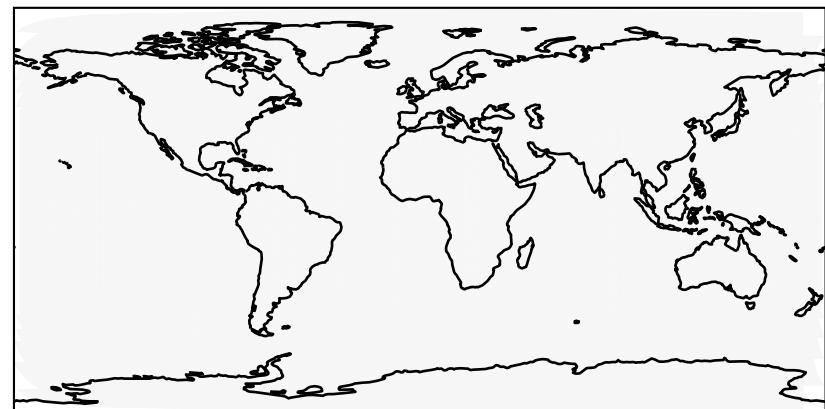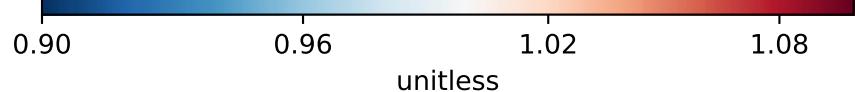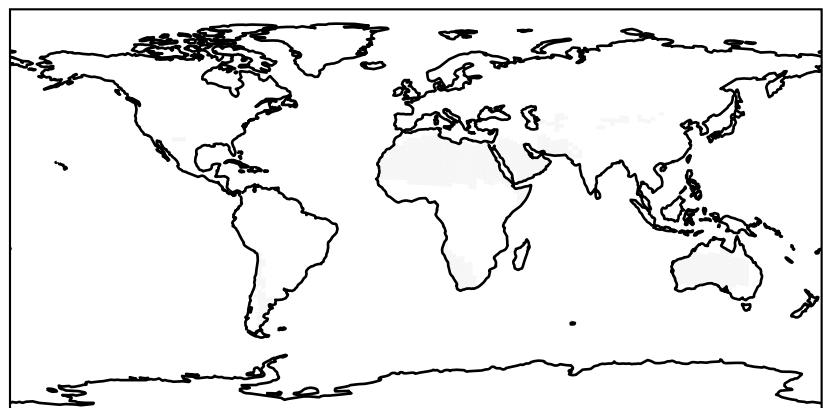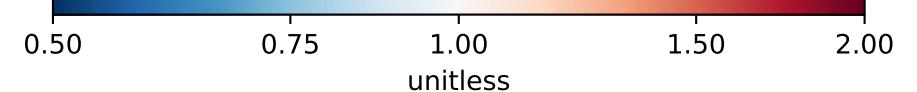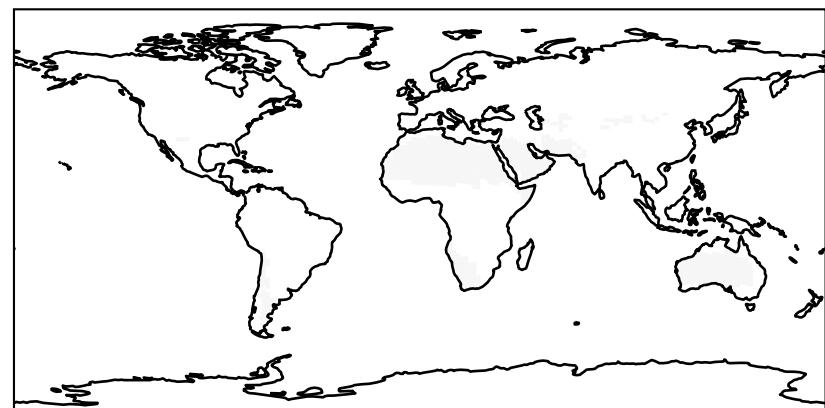
EmisDST2_Natural (Jan2019)

## GCHP_13.0.0-beta.1 (Ref)
c48
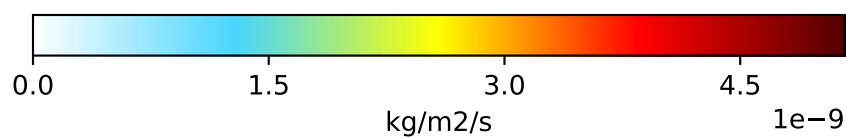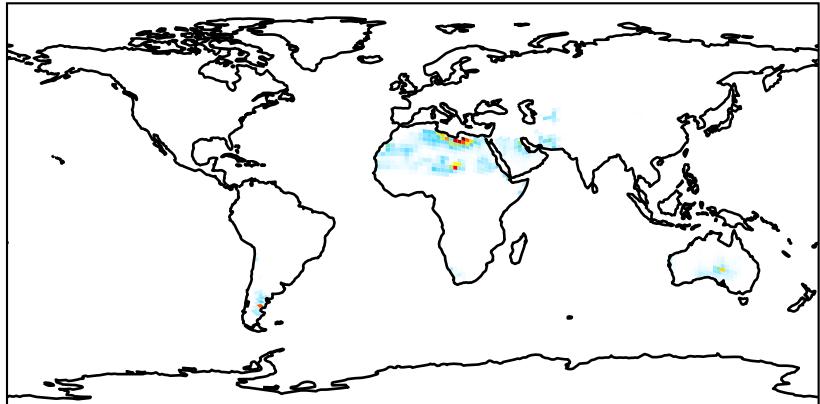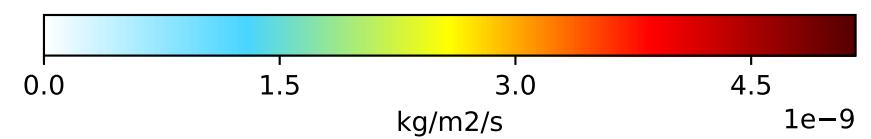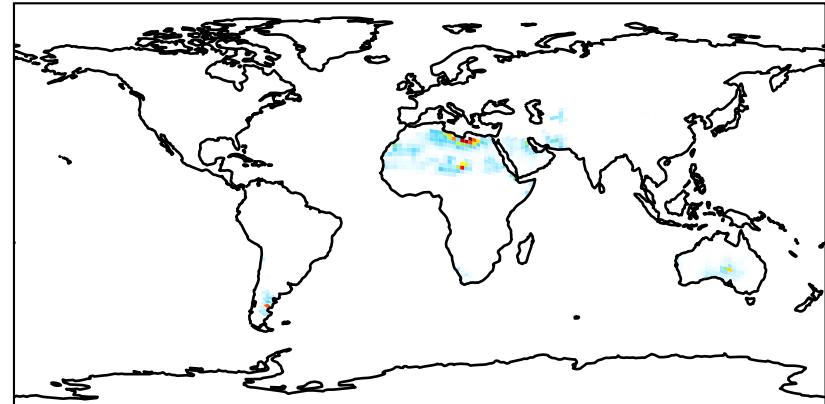
GCHP_13.0.0-rc.0 (Dev)
c48

kg/m2/s

0.0   1.5   3.0   4.5   1e−9

kg/m2/s

0.0   1.5   3.0   4.5   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

0.90   0.96   1.02   1.08
unitless

0.50   0.75   1.00   1.50   2.00
unitless
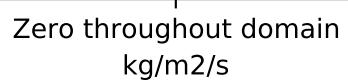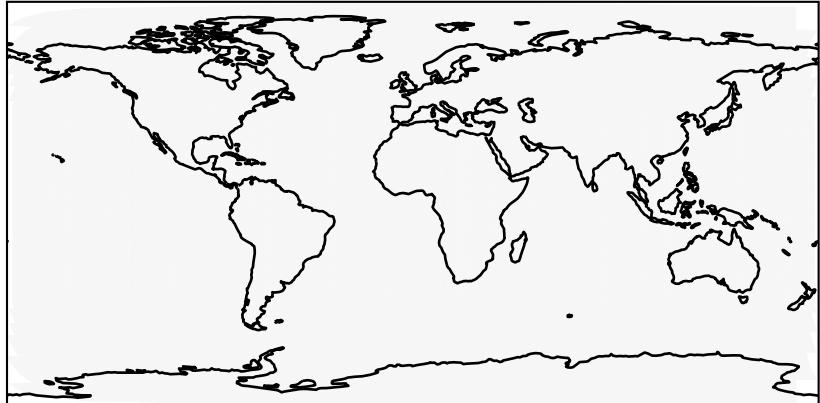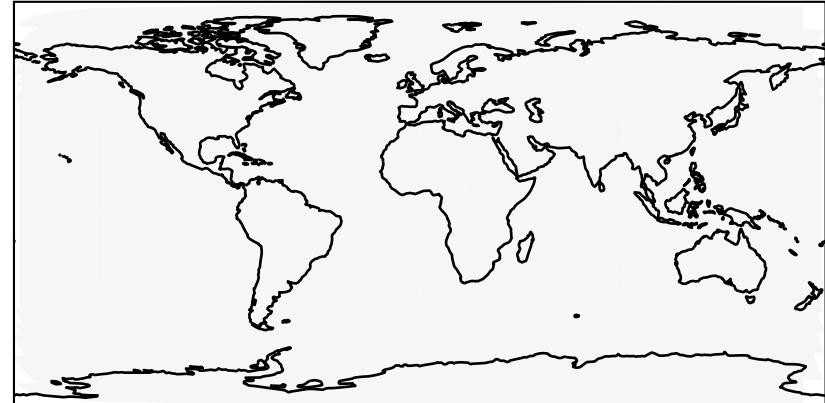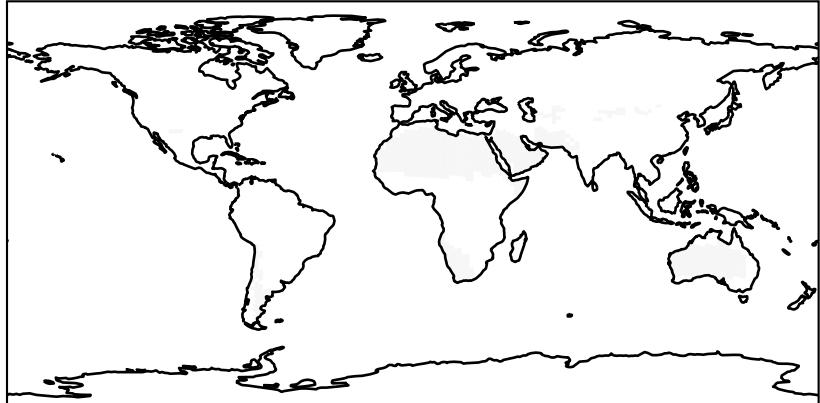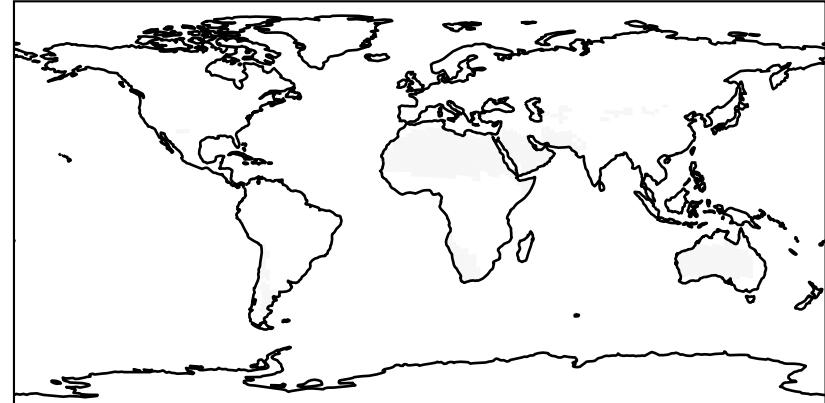
EmisDST3_Natural (Jan2019)

GCHP_13.0.0-beta.1 (Ref)
c48
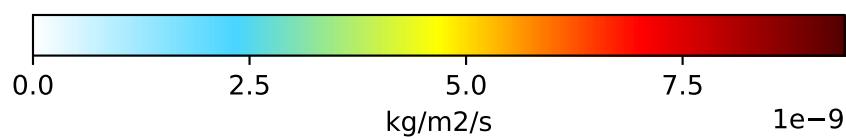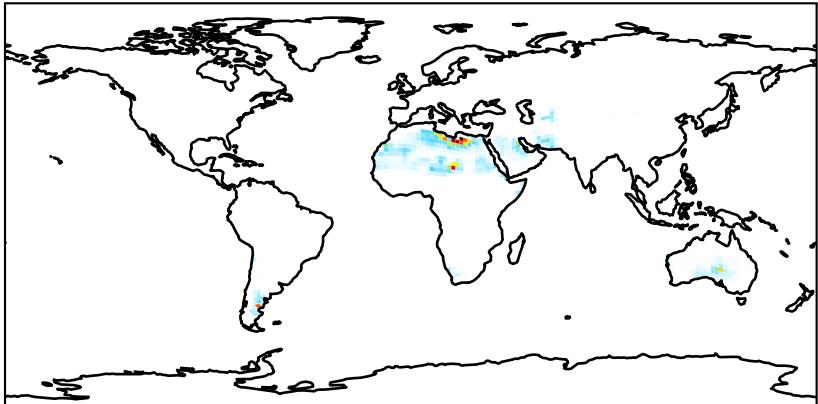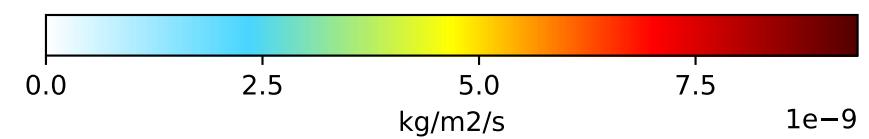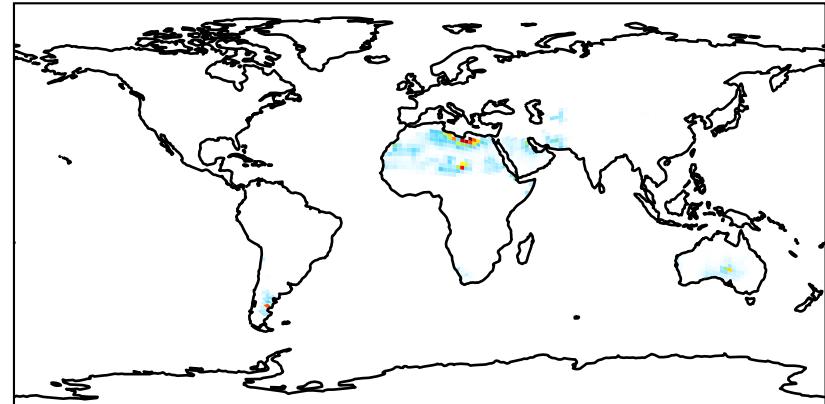
GCHP_13.0.0-rc.0 (Dev)
c48

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

unitless

unitless
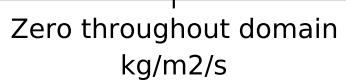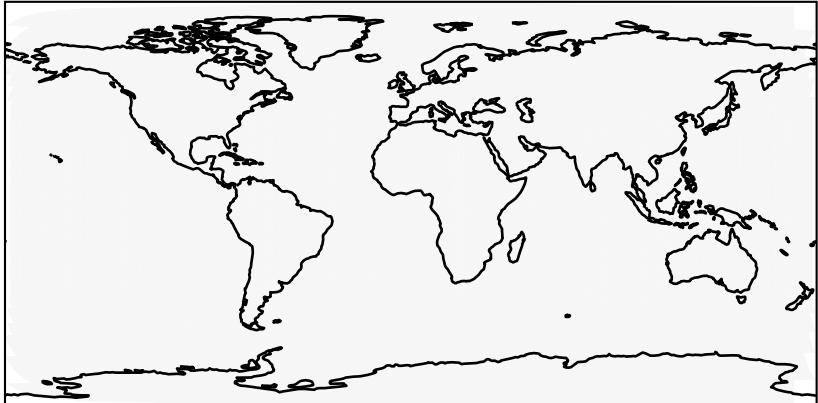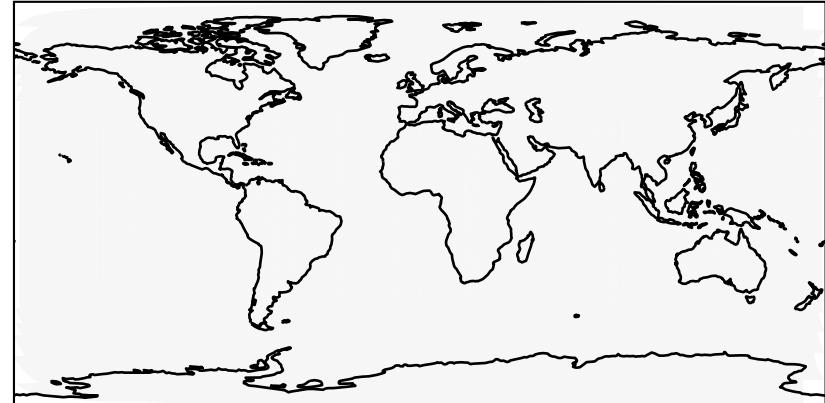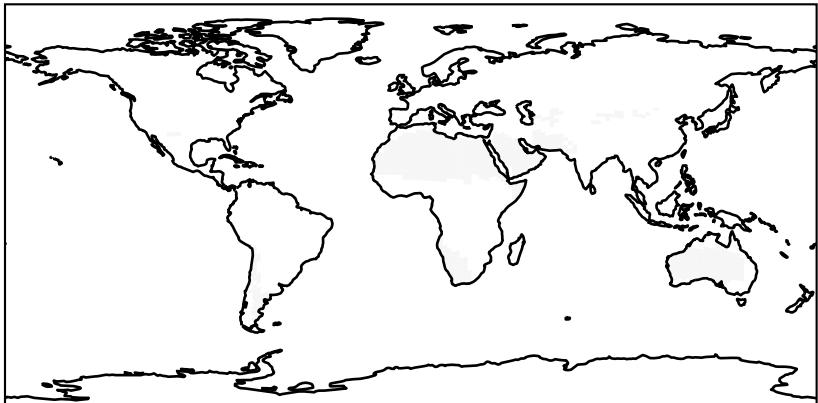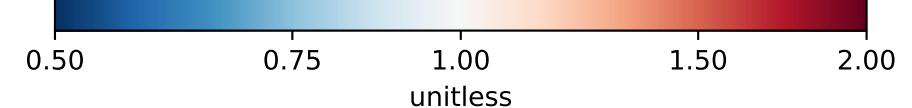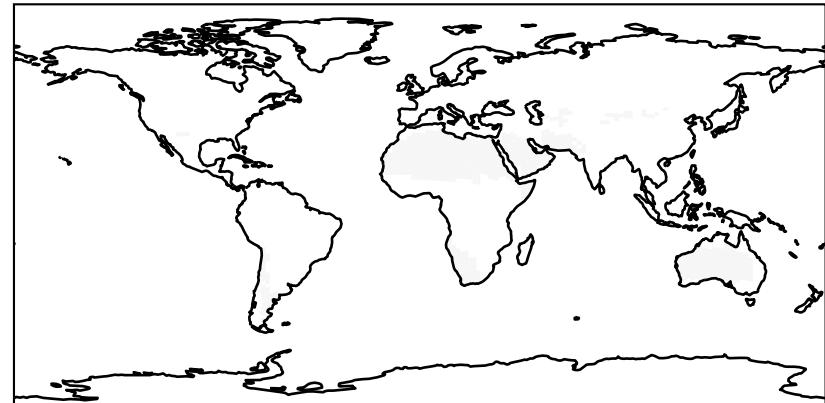
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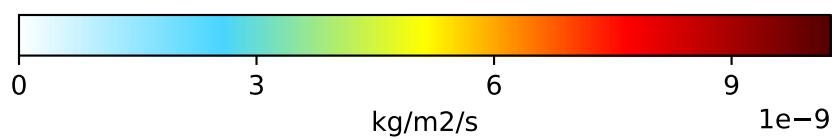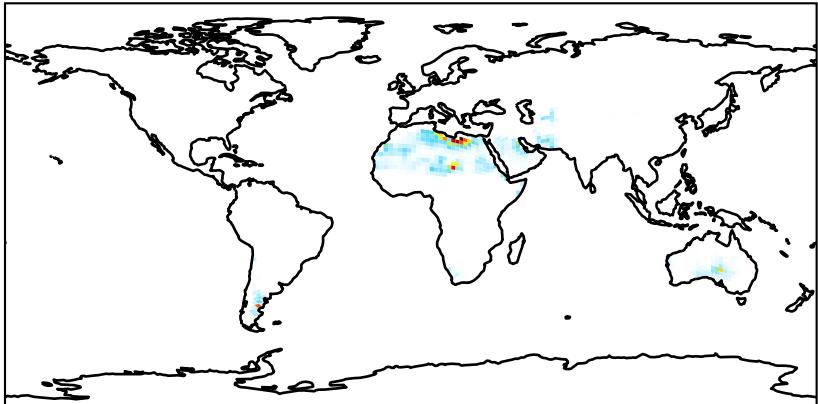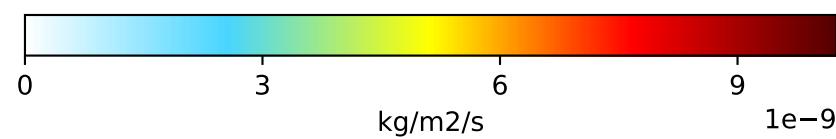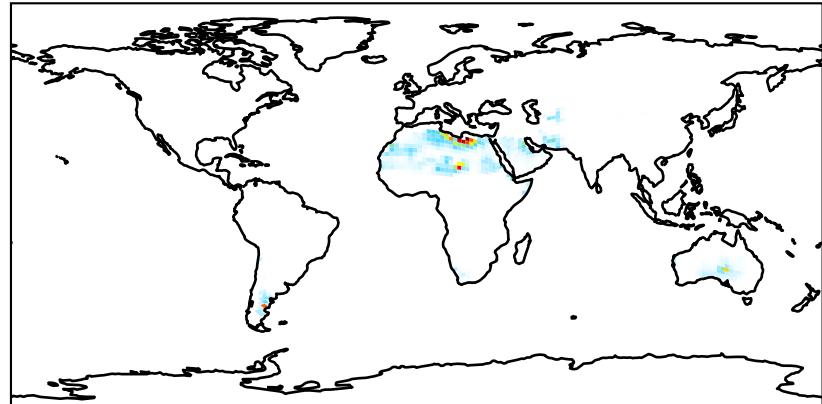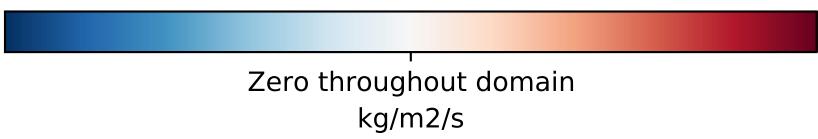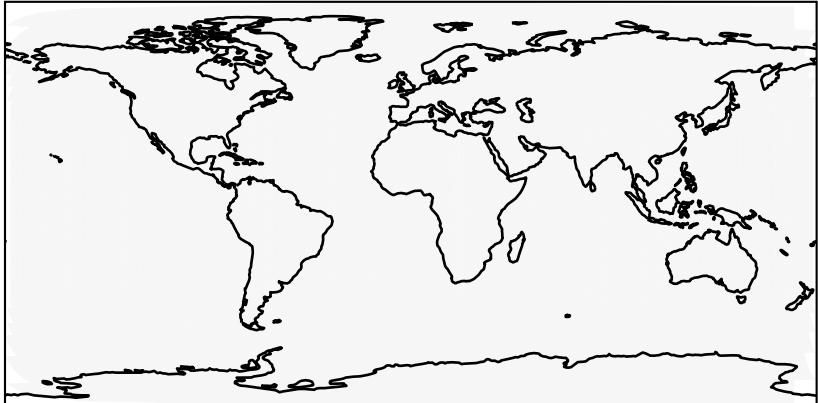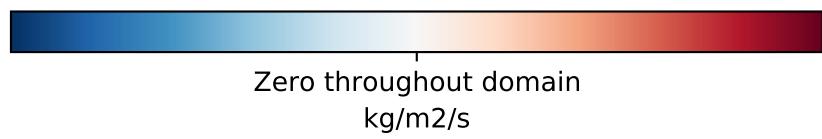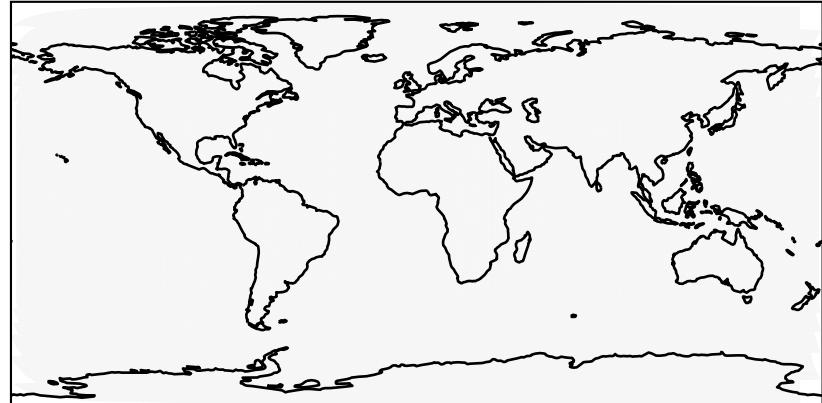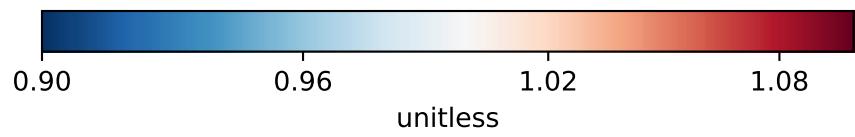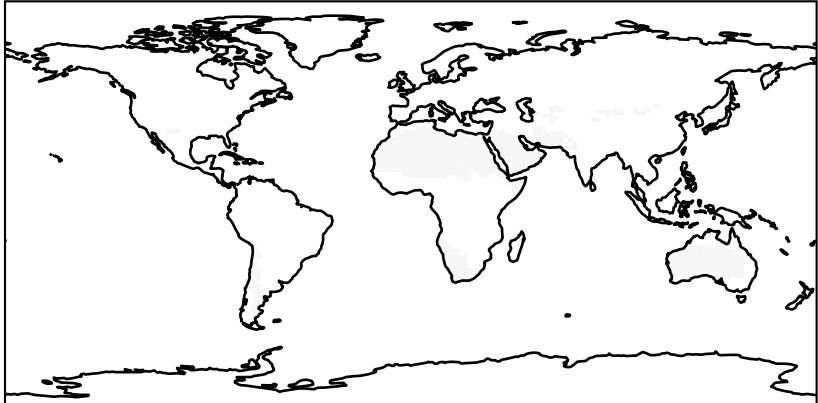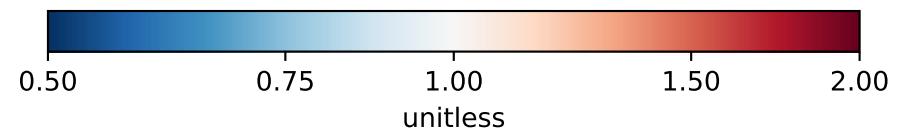
EmisNH3_Natural (Jan2019)
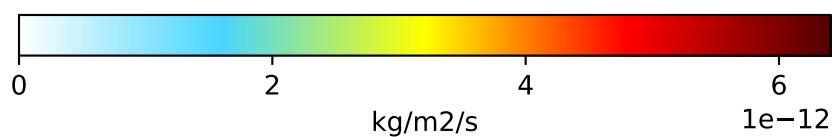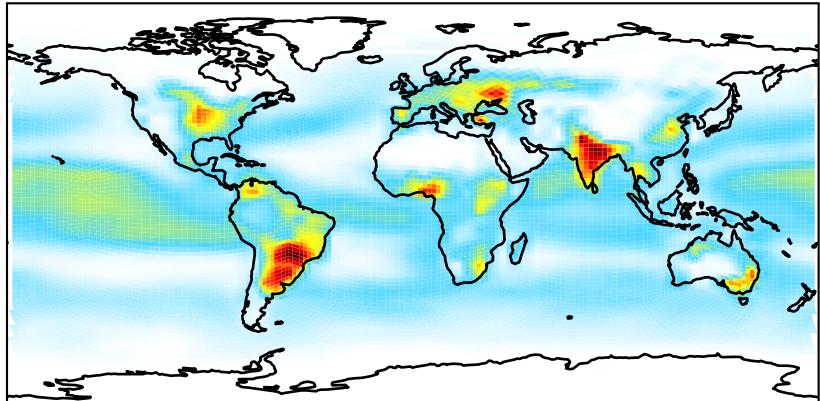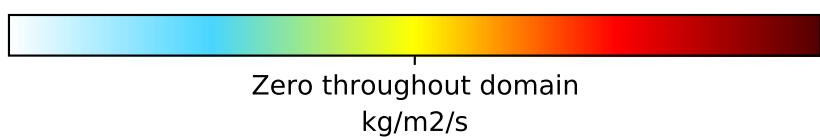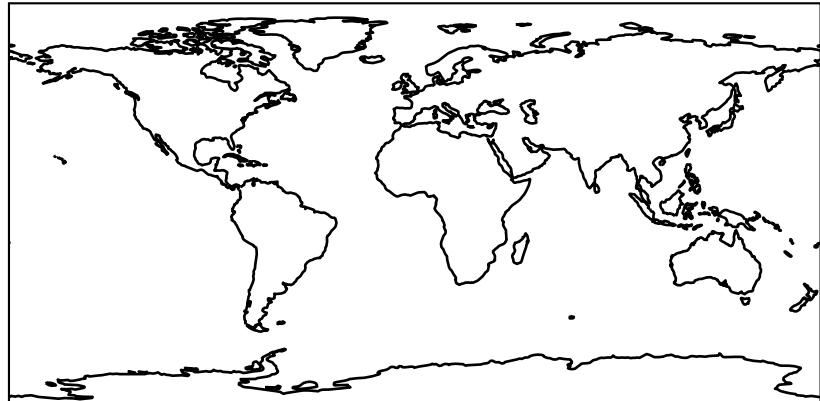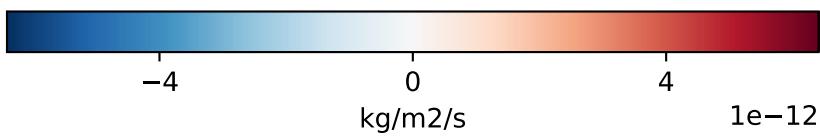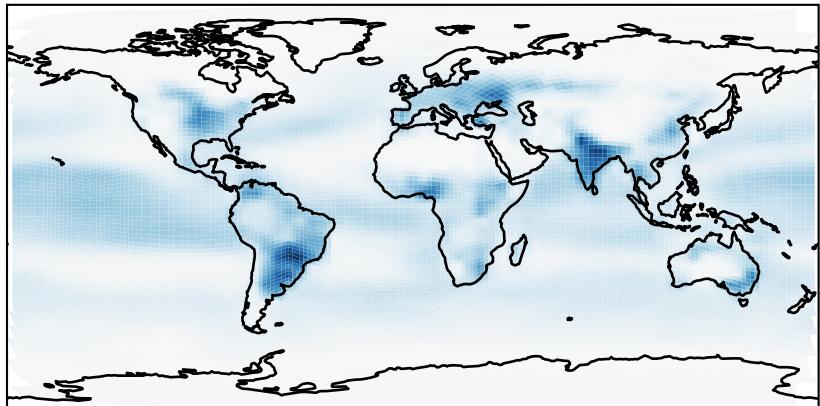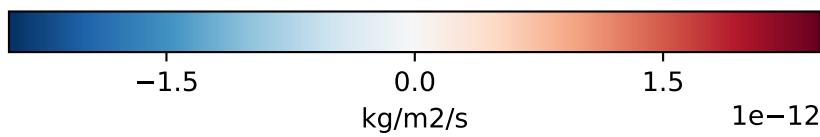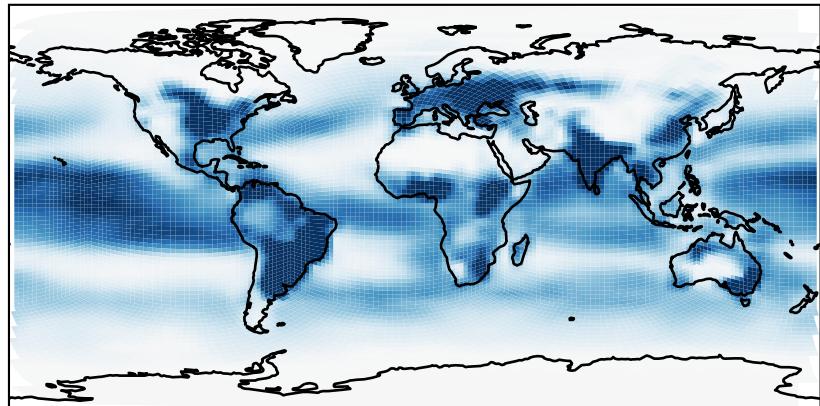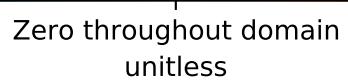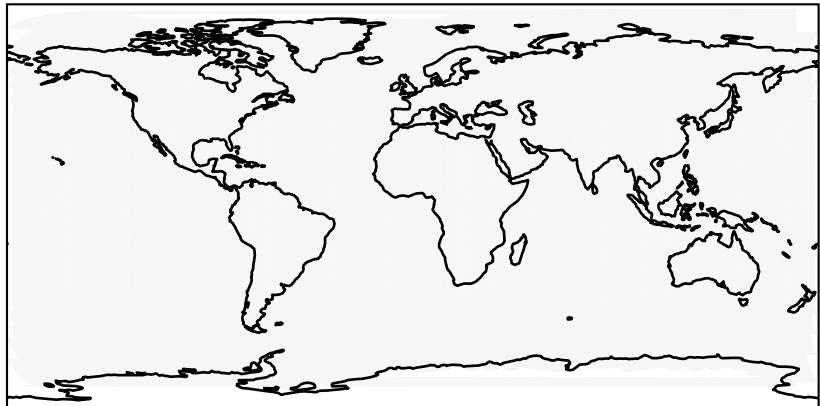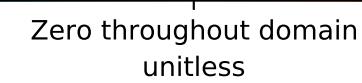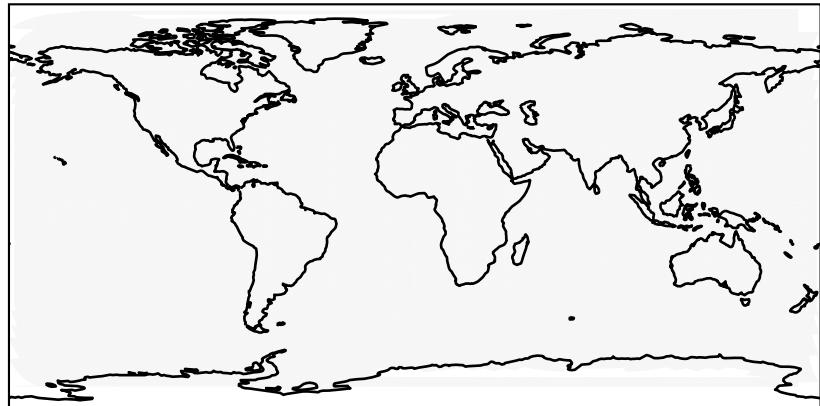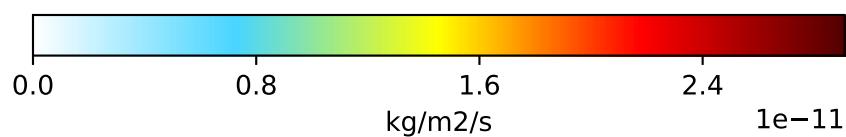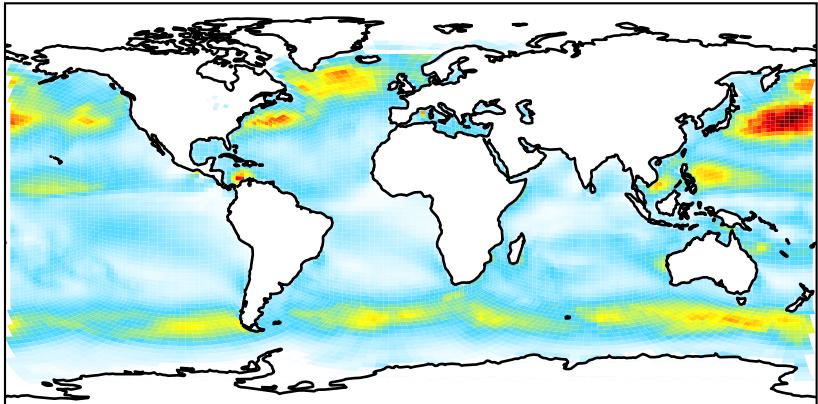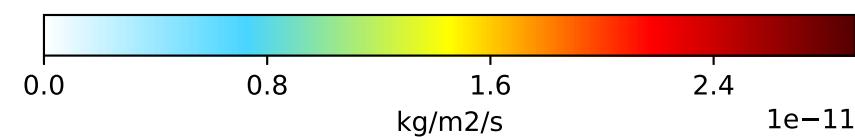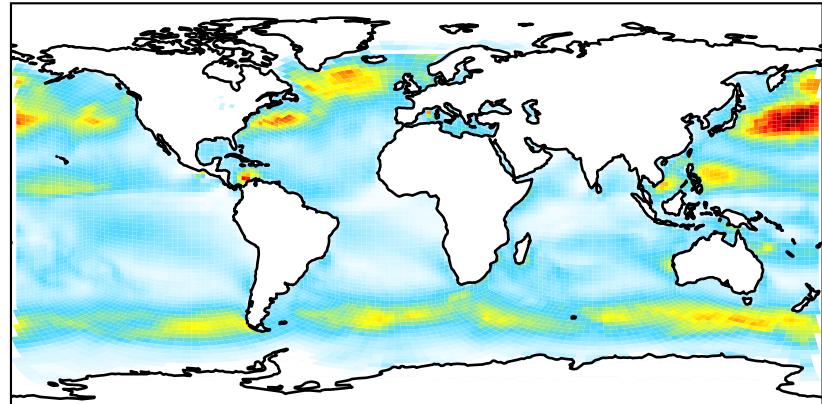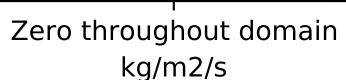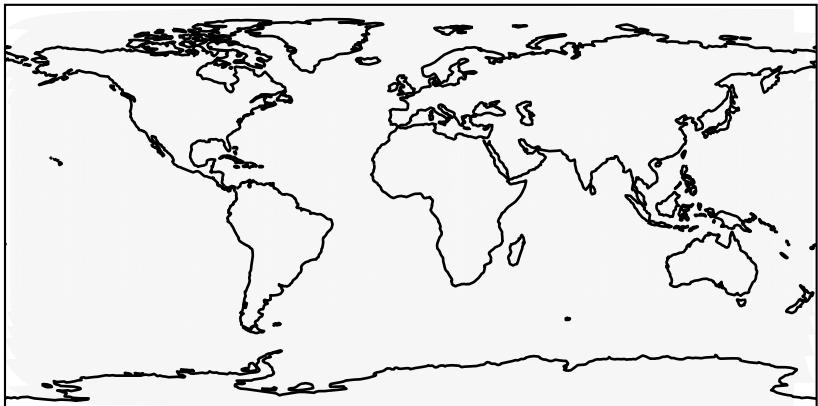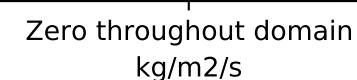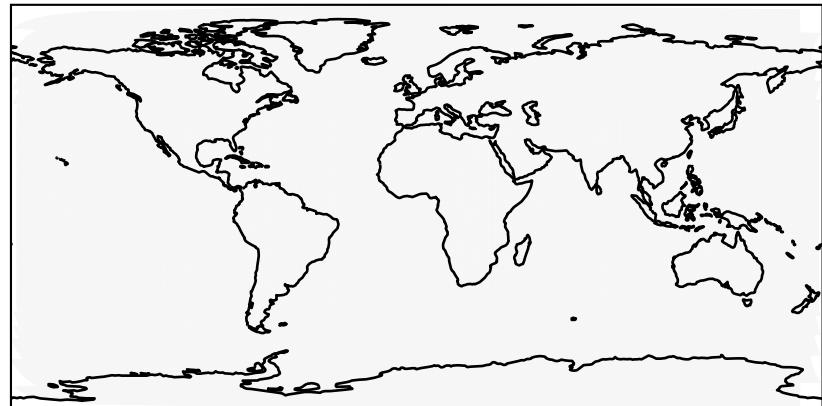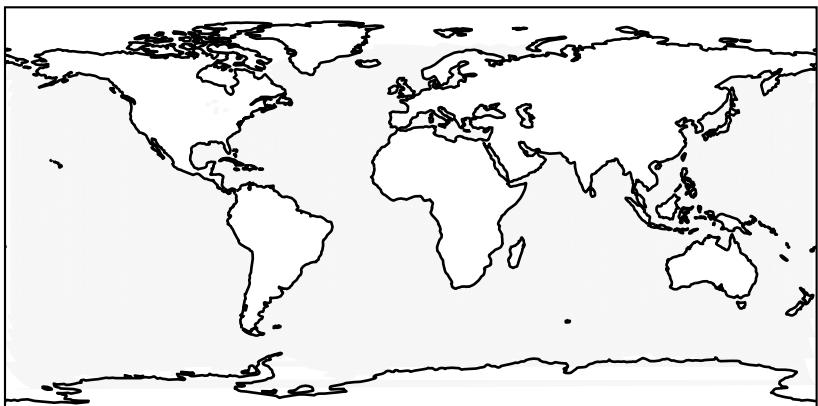
EmisSALA_Natural (Jan2019)
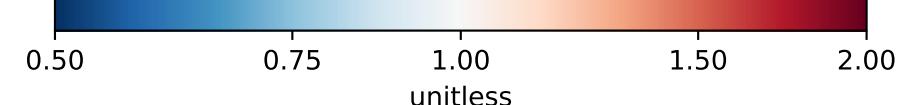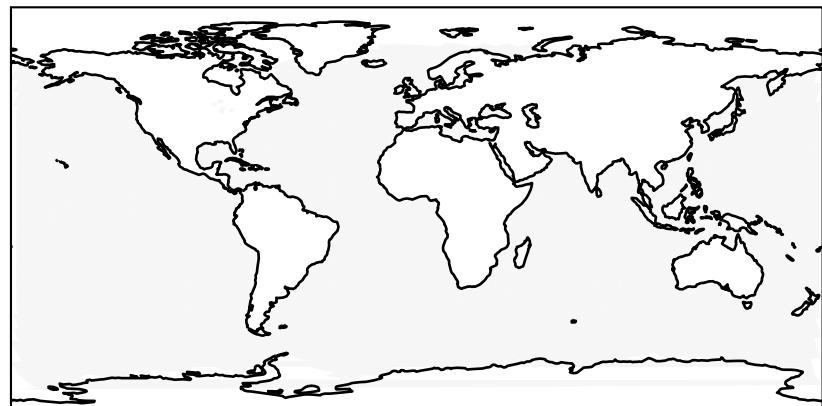
EmisSALAAL_Natural (Jan2019)
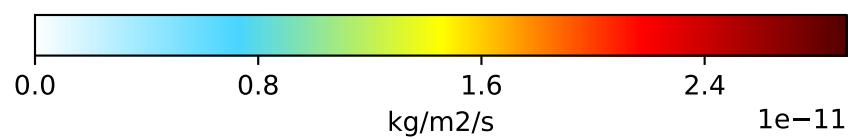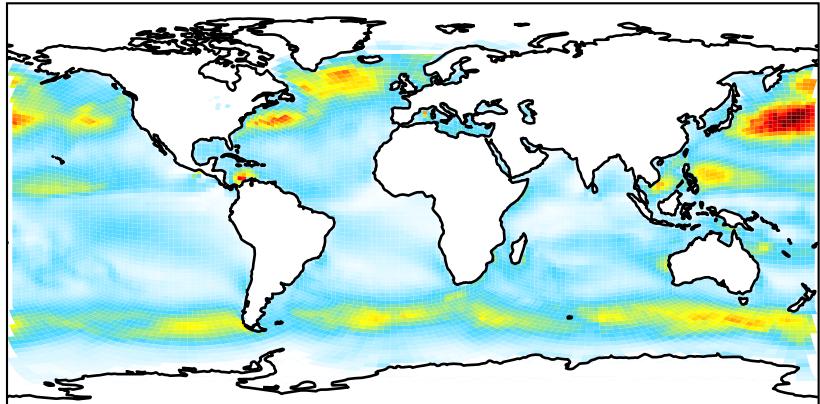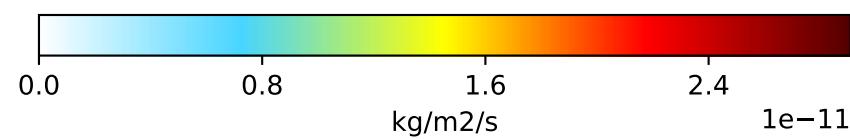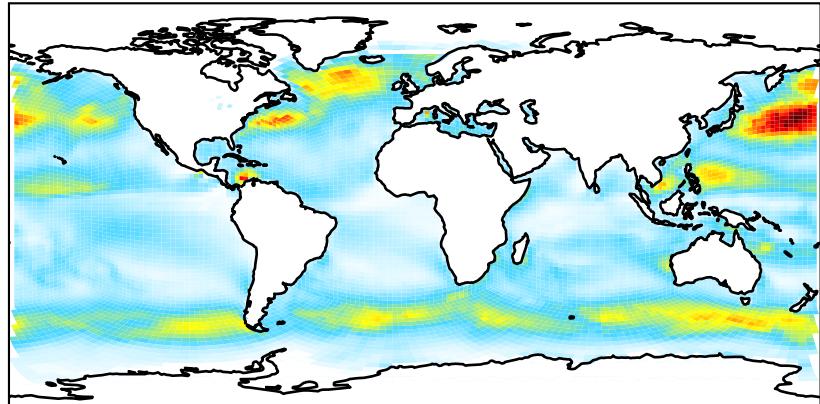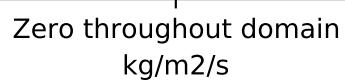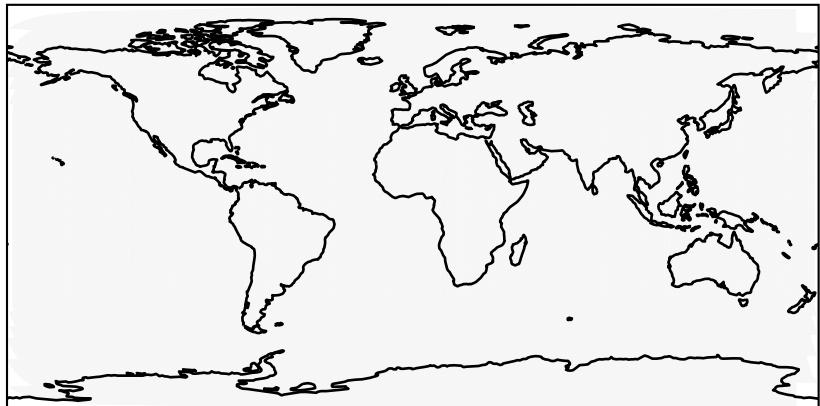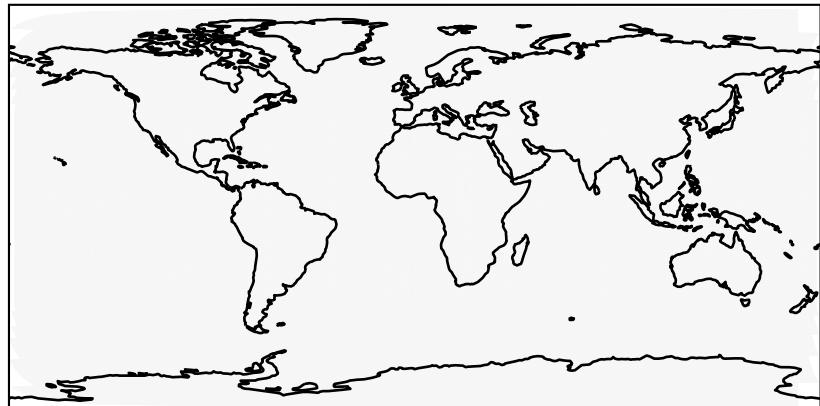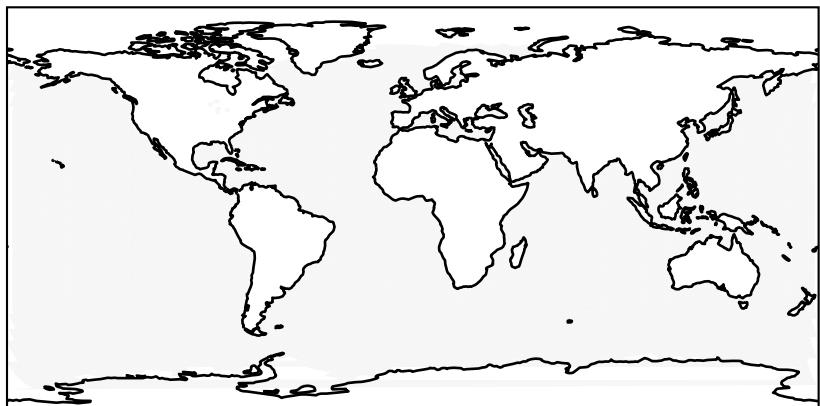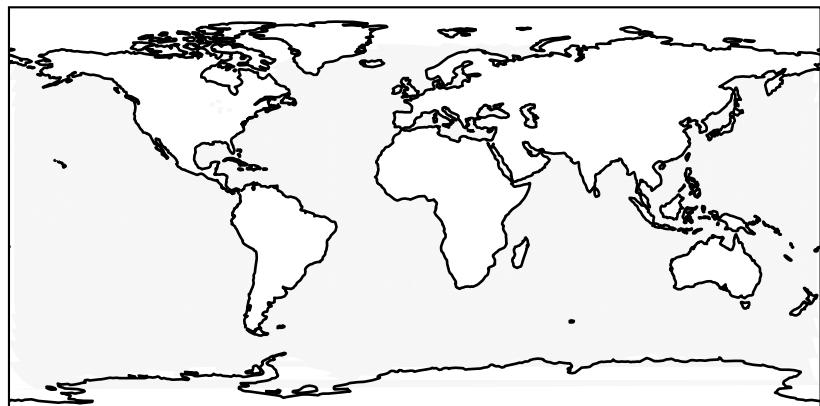
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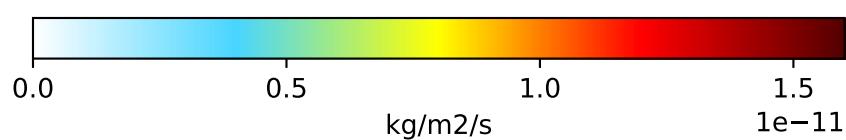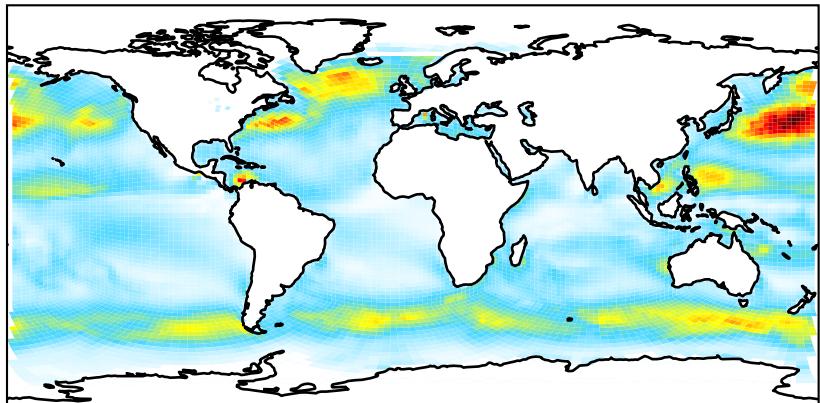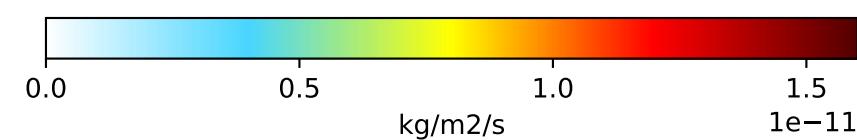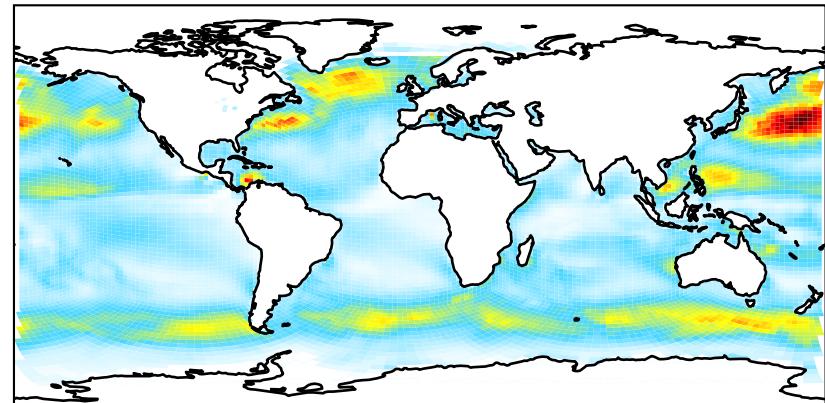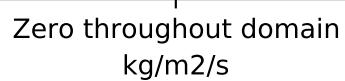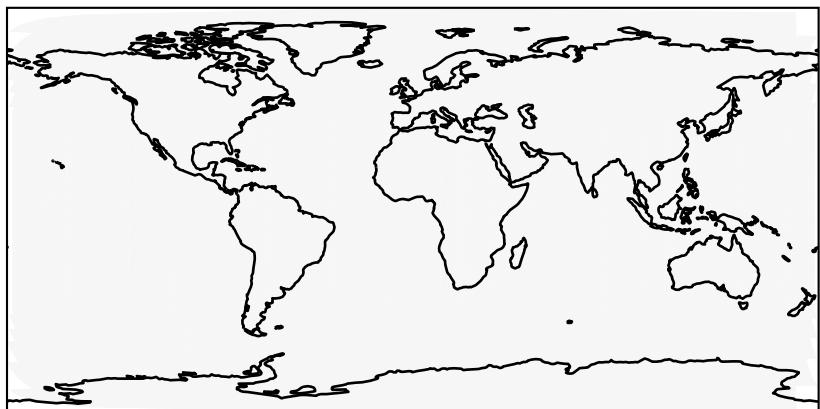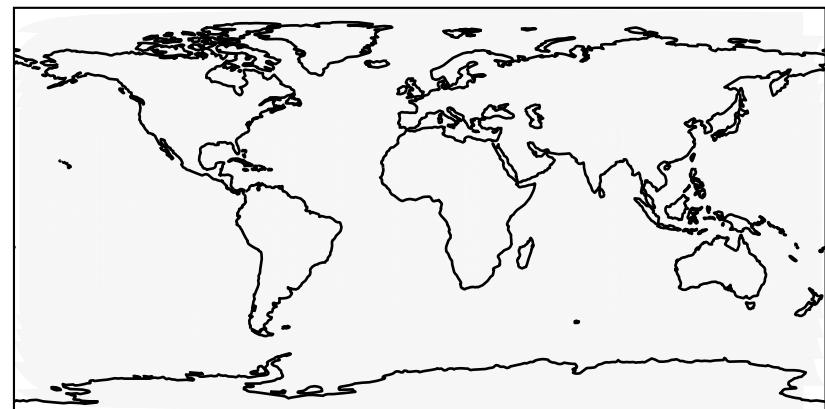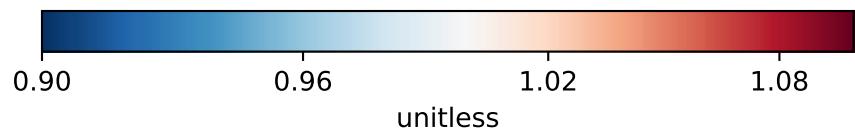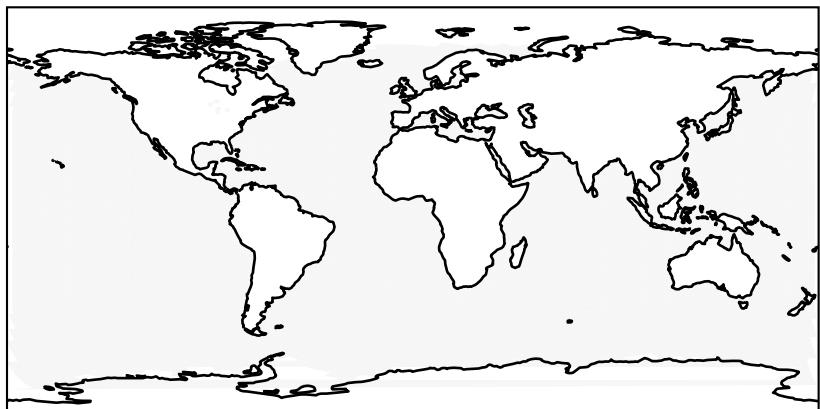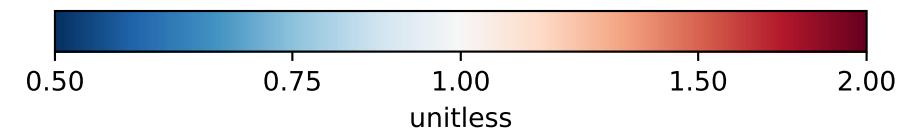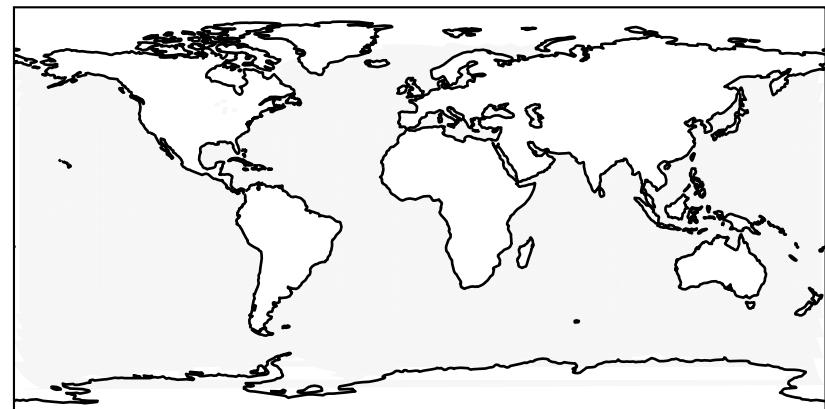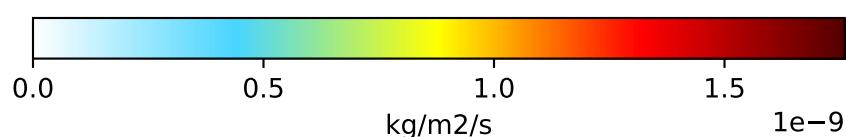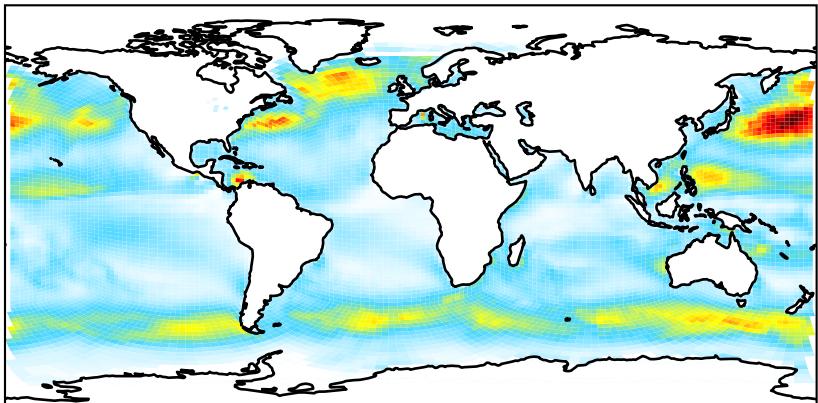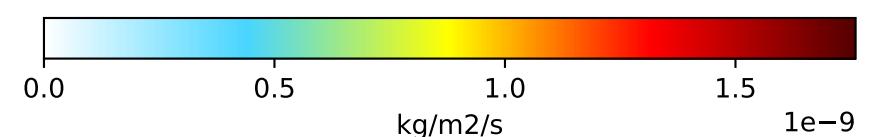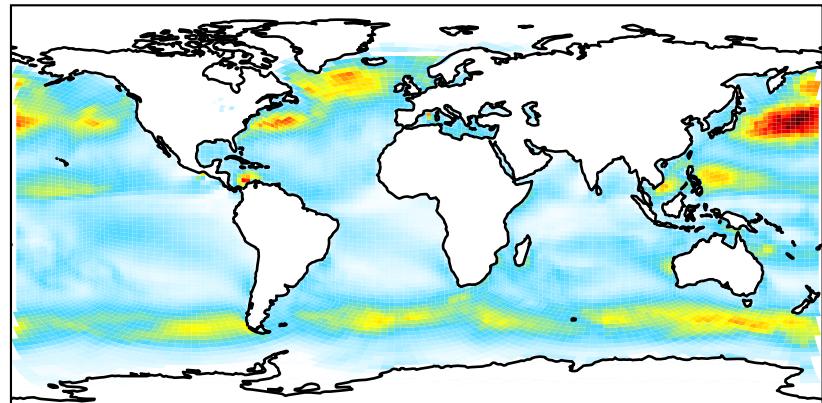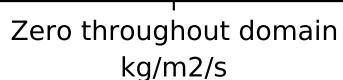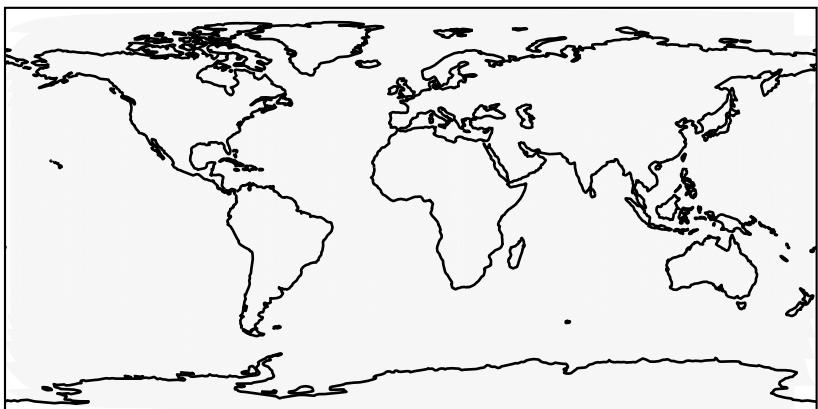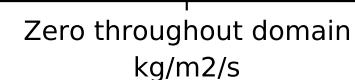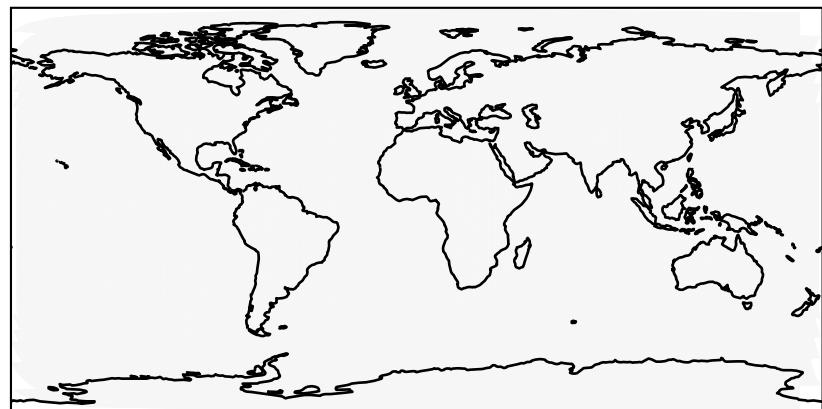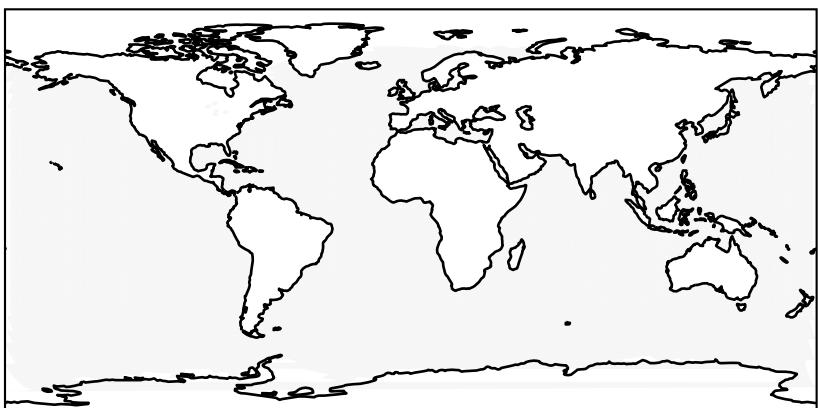
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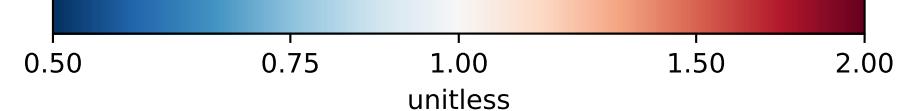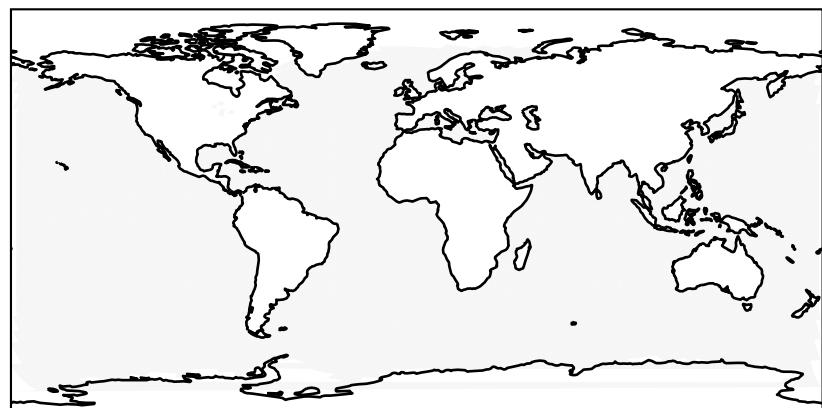
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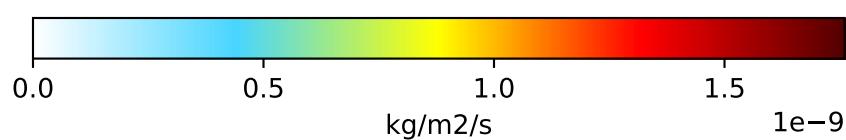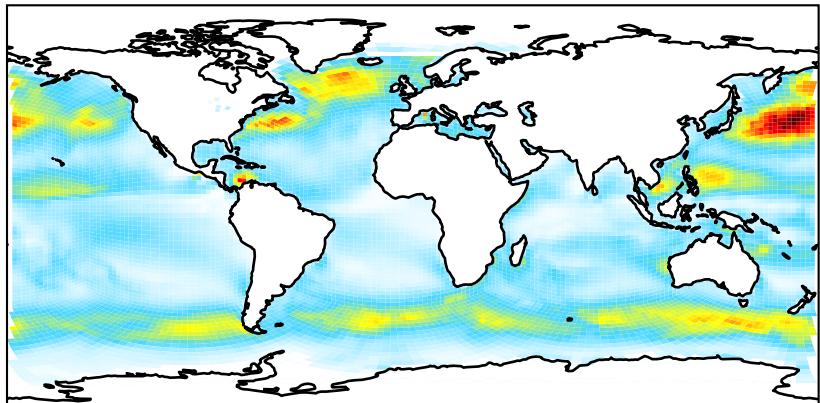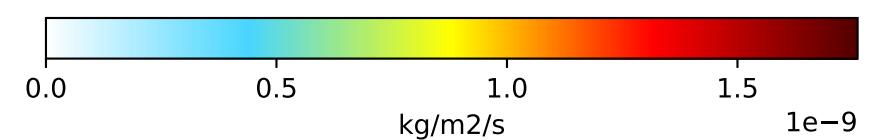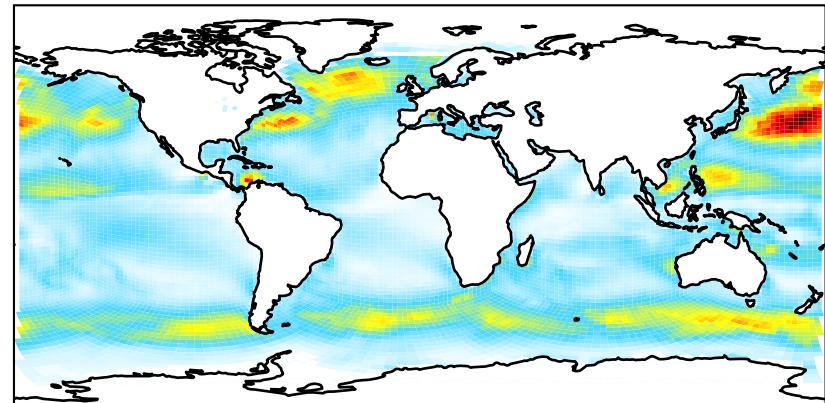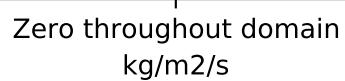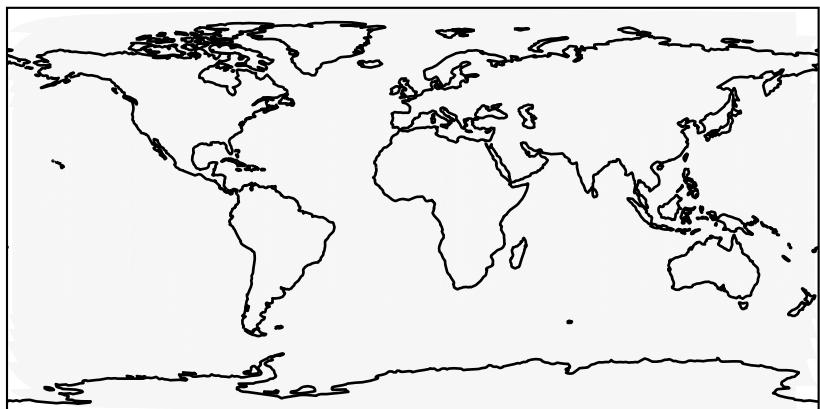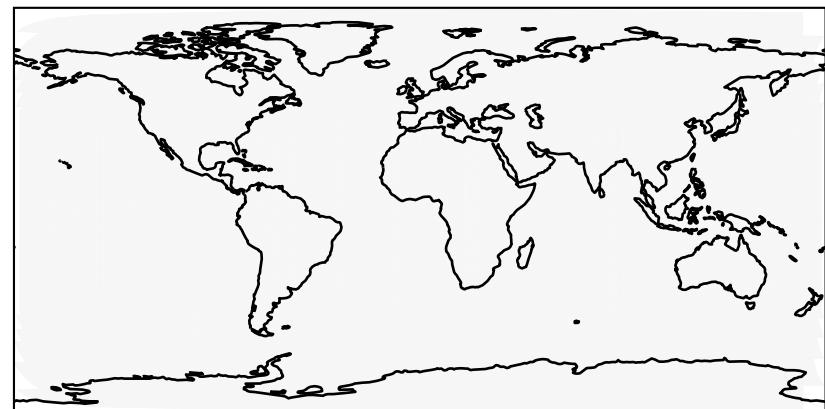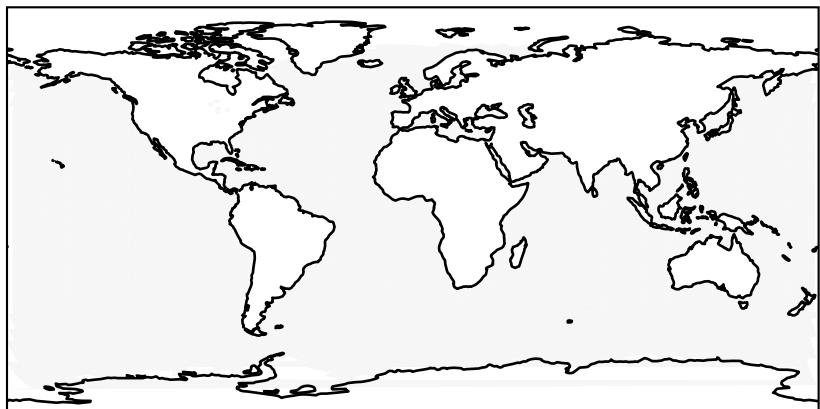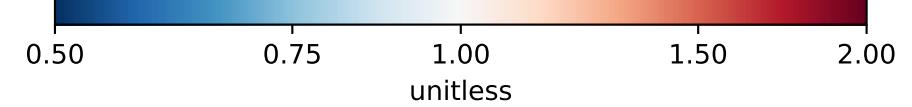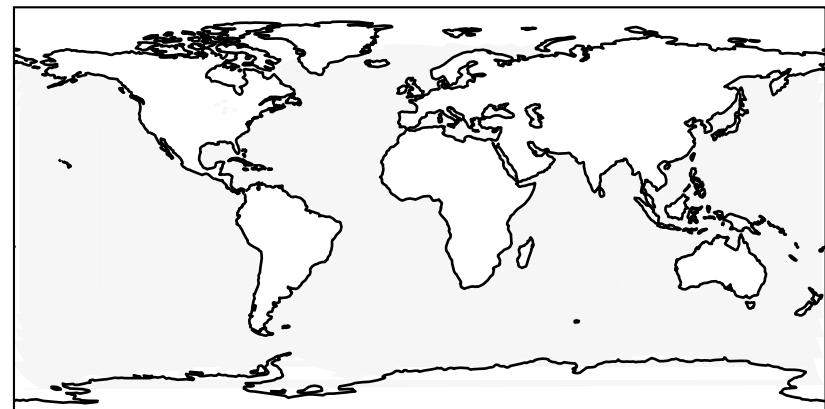
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