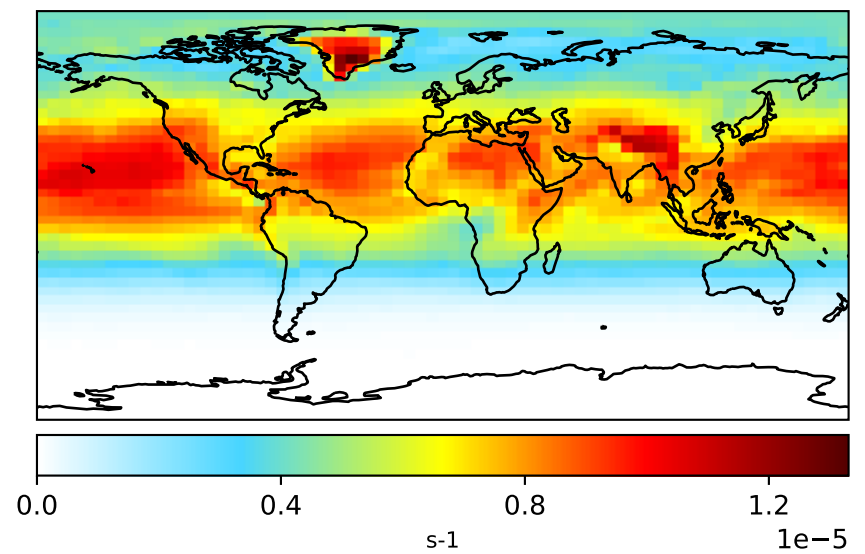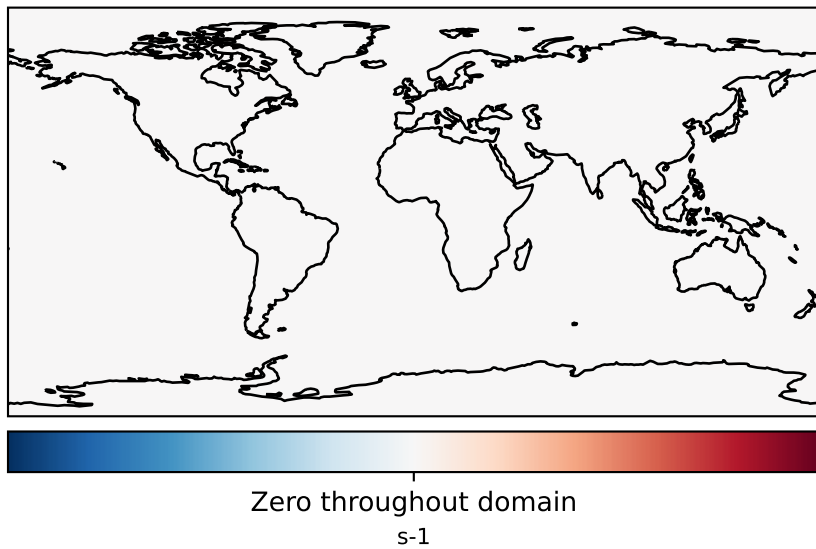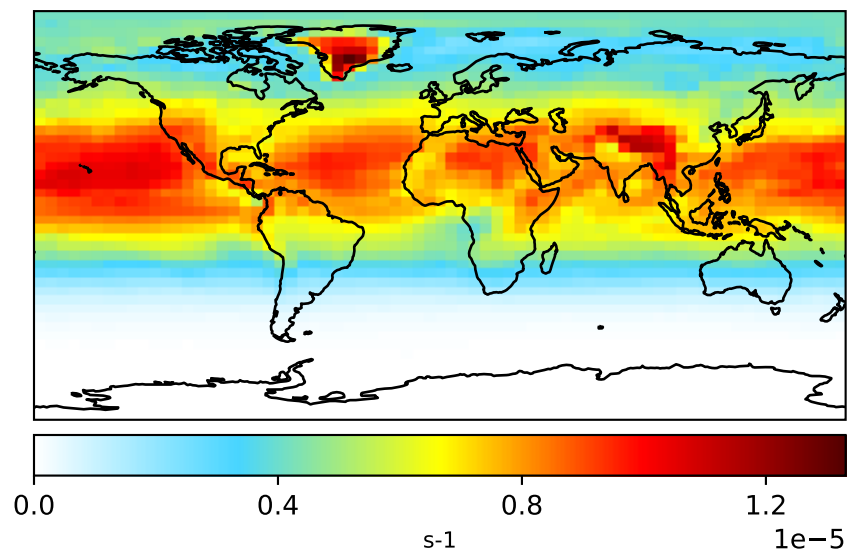# JvalO3O1D

gcc-4x5-1Mon-14.6.2 (Ref)
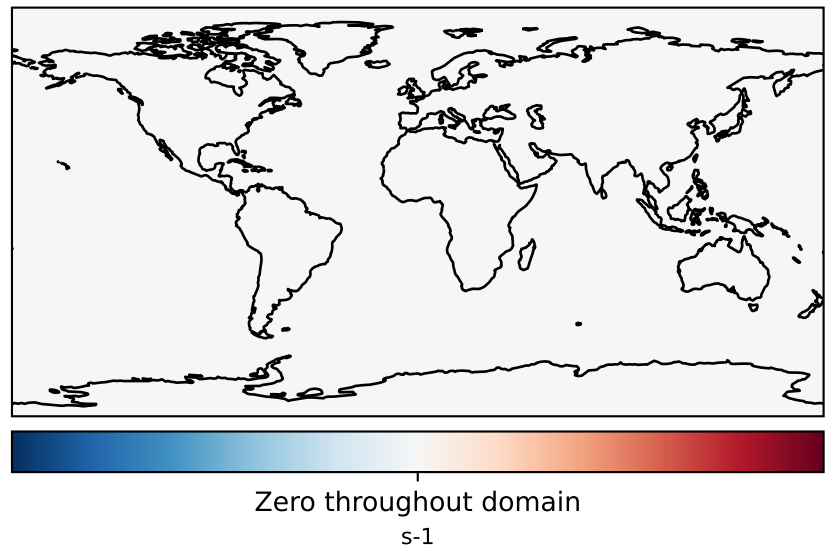4.0x5.0

gcc-4x5-1Mon-14.6.3 (Dev)
4.0x5.0

s-1

s-1

Difference
Dev - Ref, Dynamic Range

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

Zero throughout domain
s-1

Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

Ref and Dev equal throughout domain
unitless

JvalO3O3P

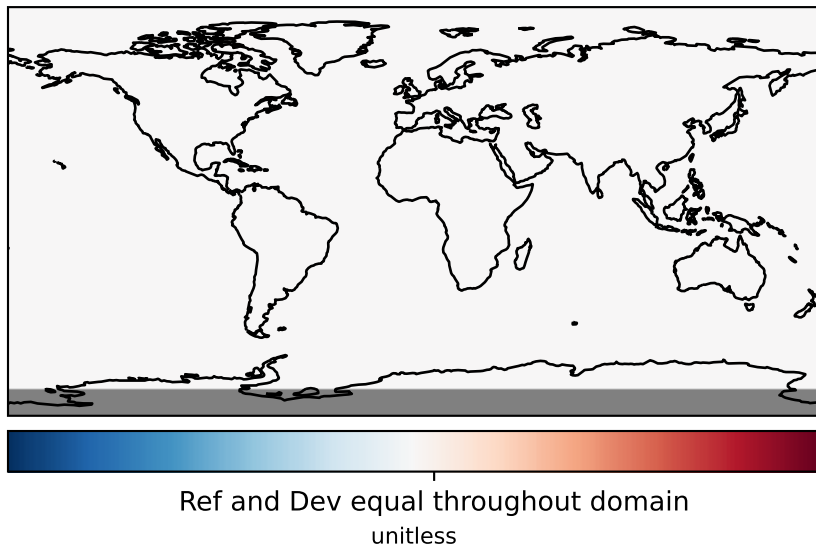gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0

gcc-4x5-1Mon-14.6.3 (Dev)
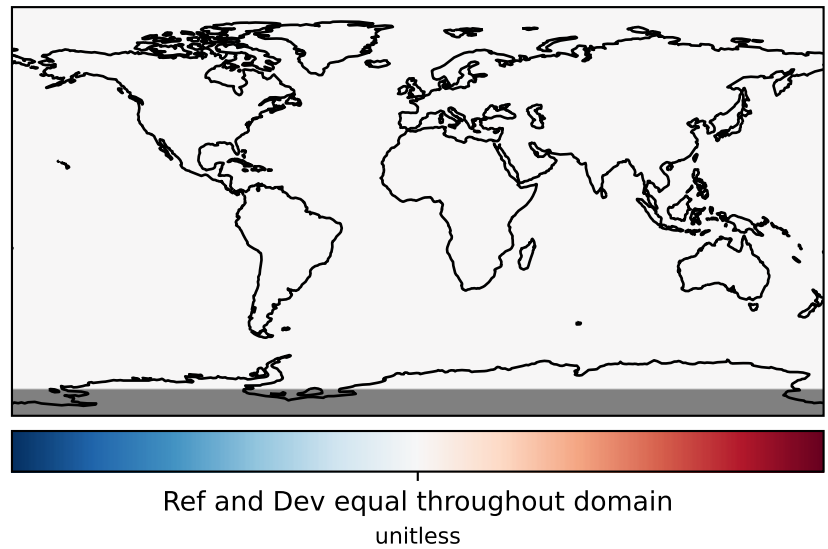4.0x5.0

s-1

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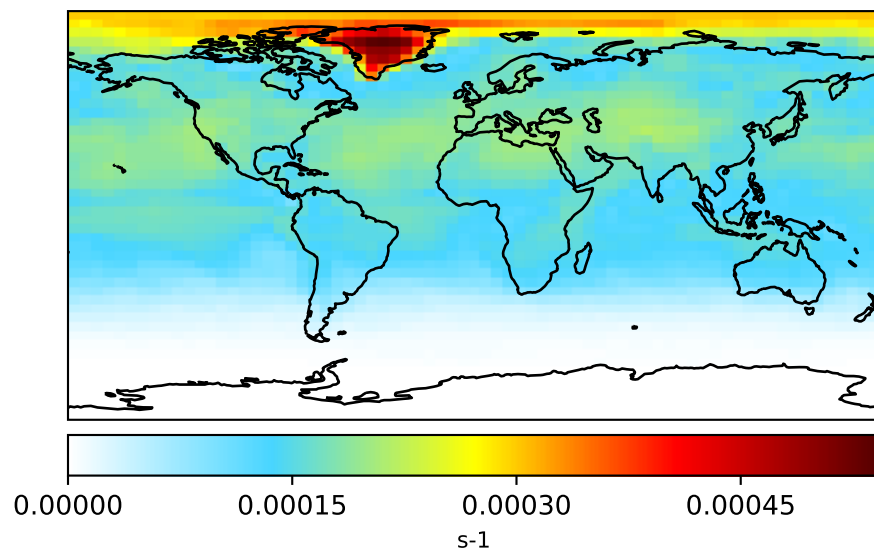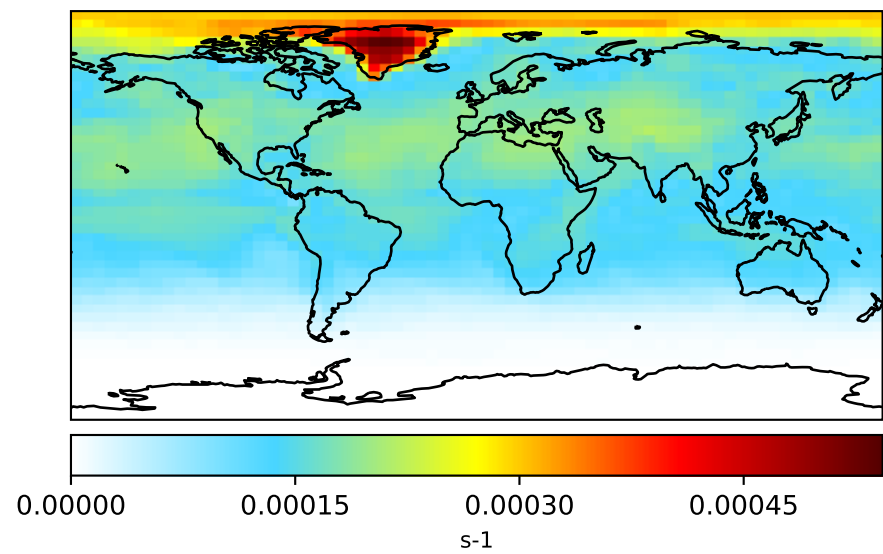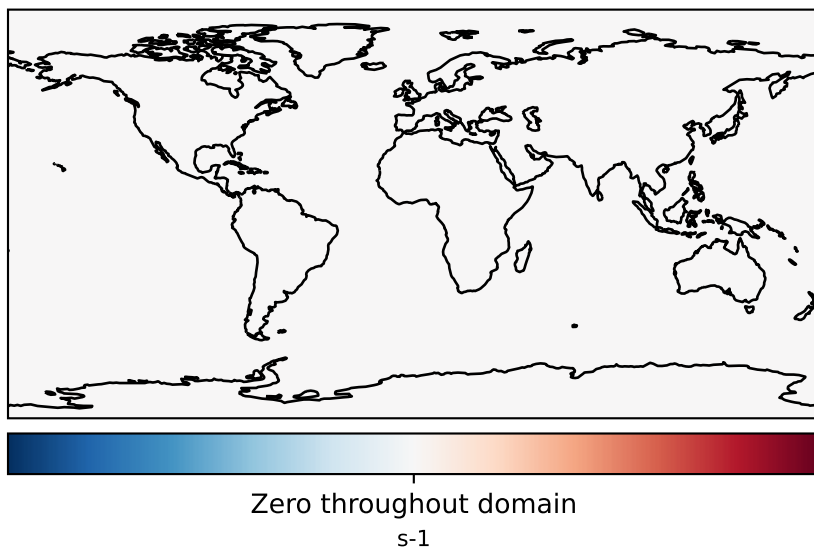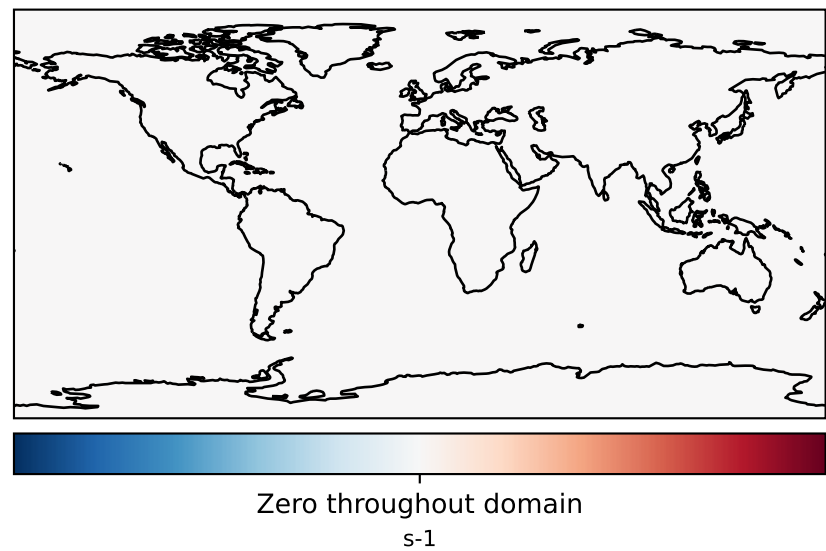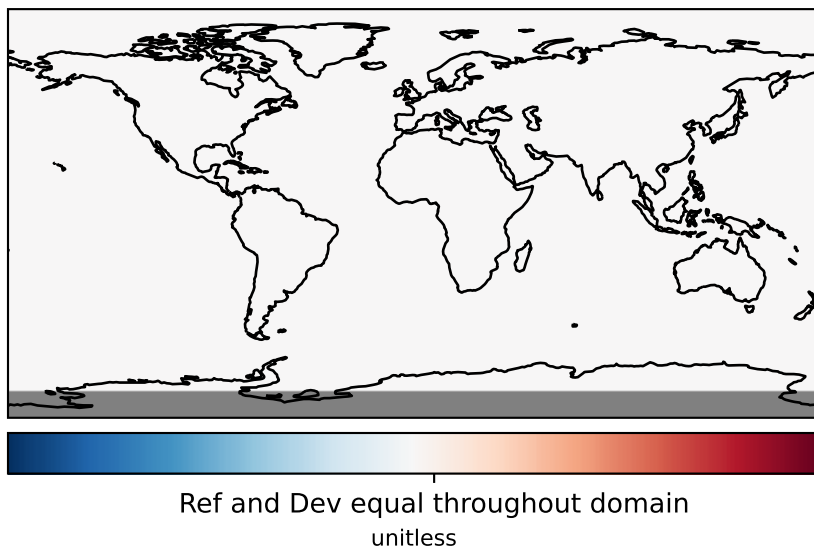
Difference
Dev - Ref, Restricted Range [5%,95%]

Zero throughout domain
s-1

Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

Ref and Dev equal throughout domain
unitless

Jval_ACET

gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0

gcc-4x5-1Mon-14.6.3 (Dev)
4.0x5.0

s-1

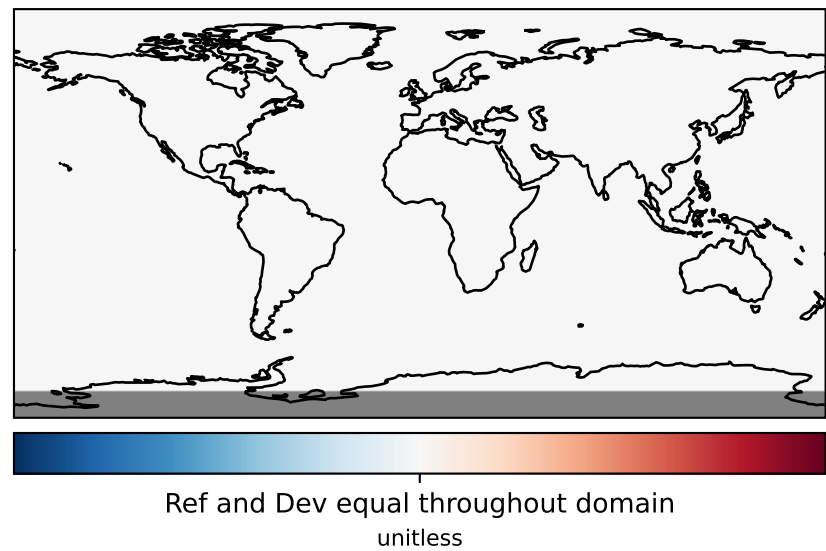s-1

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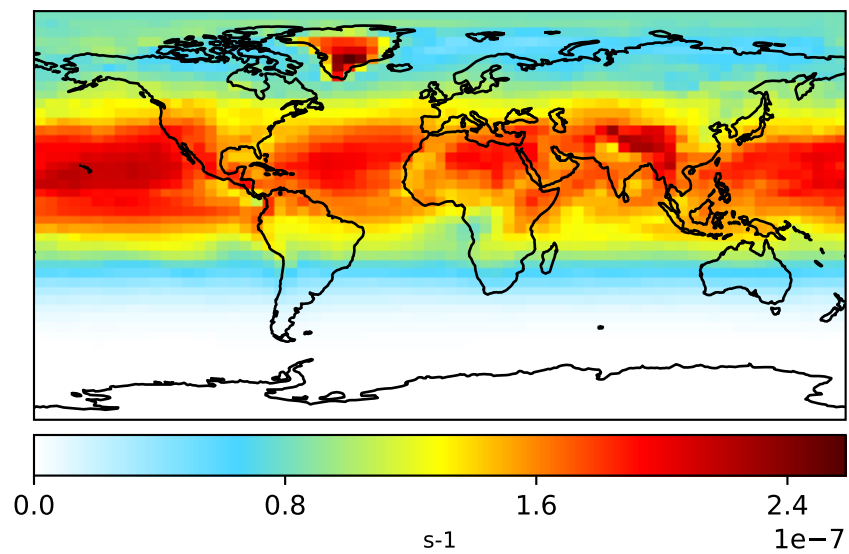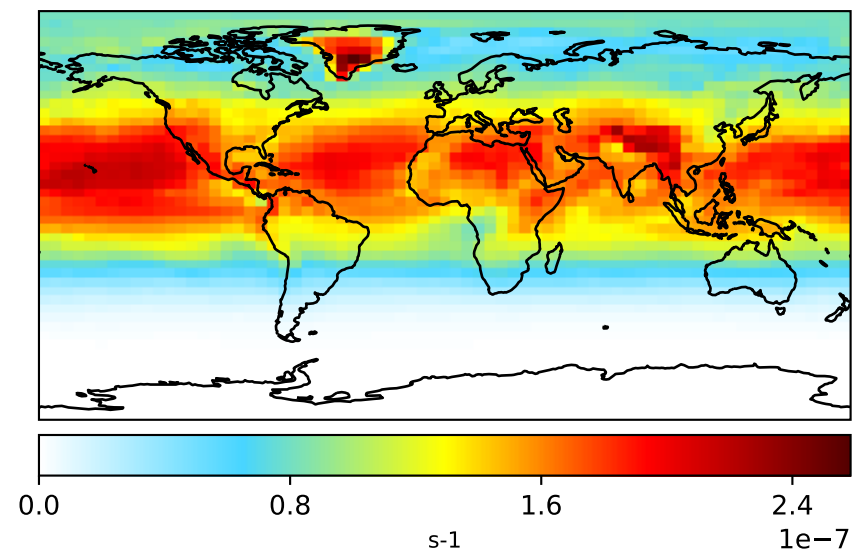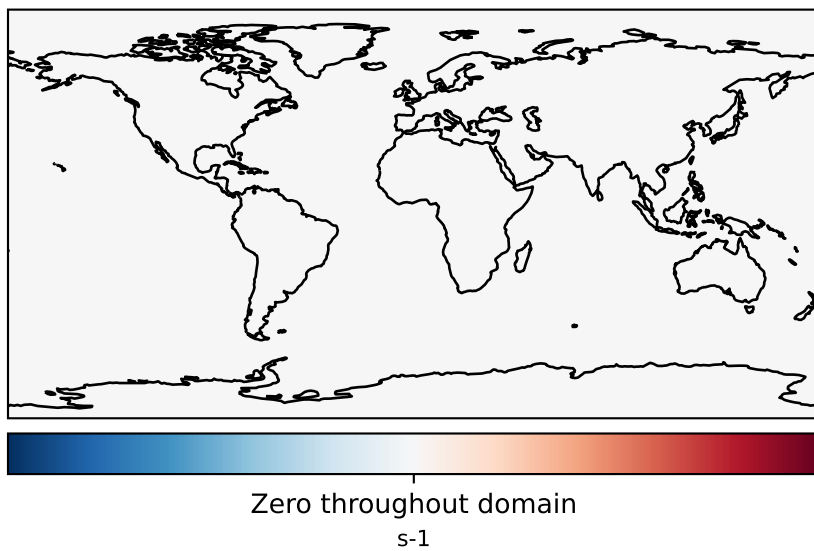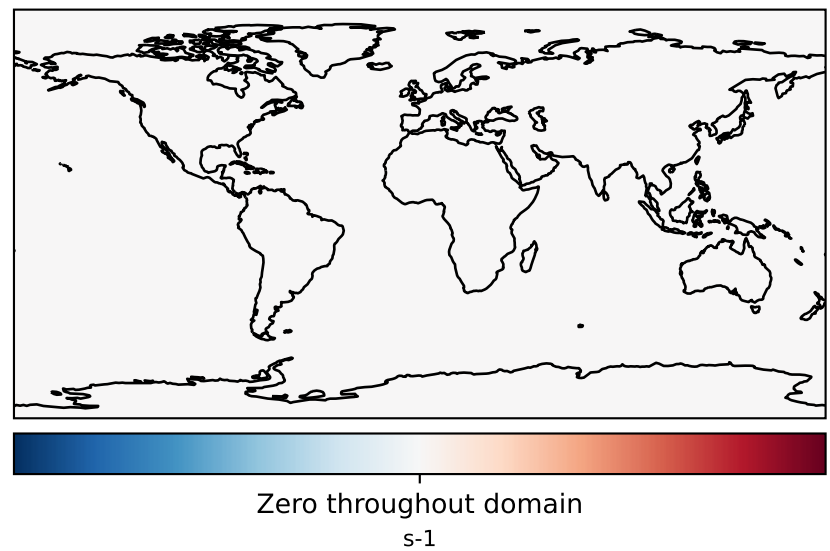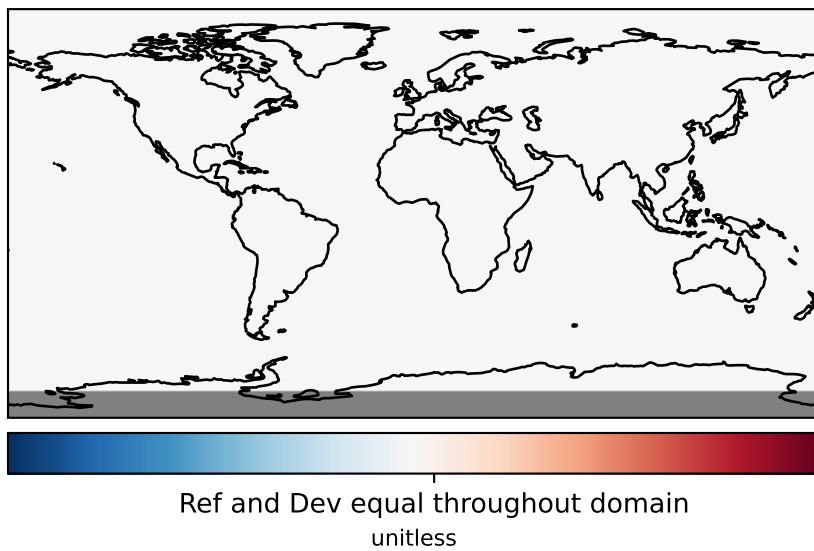
Difference
Dev - Ref, Restricted Range [5%,95%]

Zero throughout domain
s-1

Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

Ref and Dev equal throughout domain
unitless

Jval_ALD2

Jval_APINP

gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0

gcc-4x5-1Mon-14.6.3 (Dev)
4.0x5.0

s-1
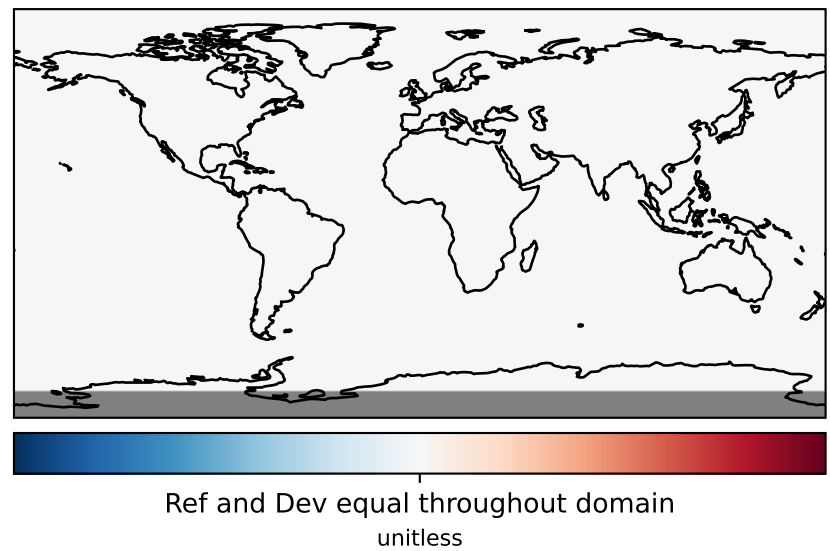
s-1

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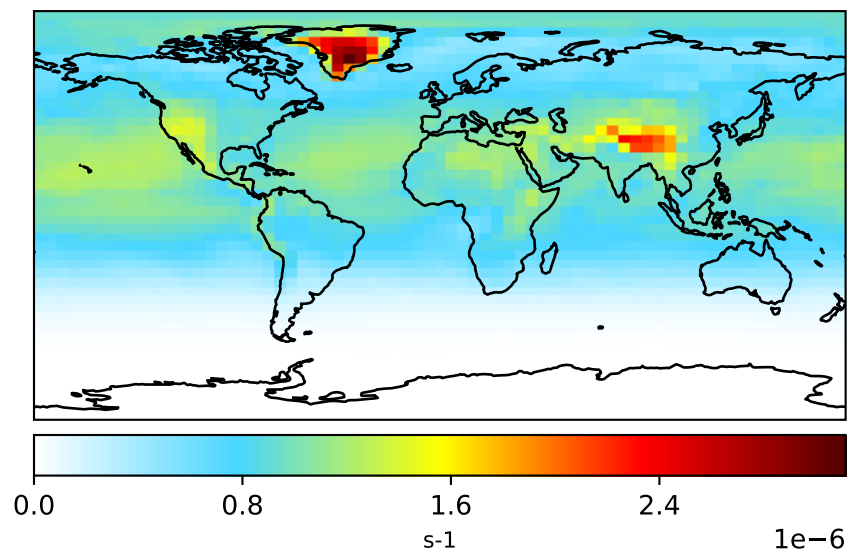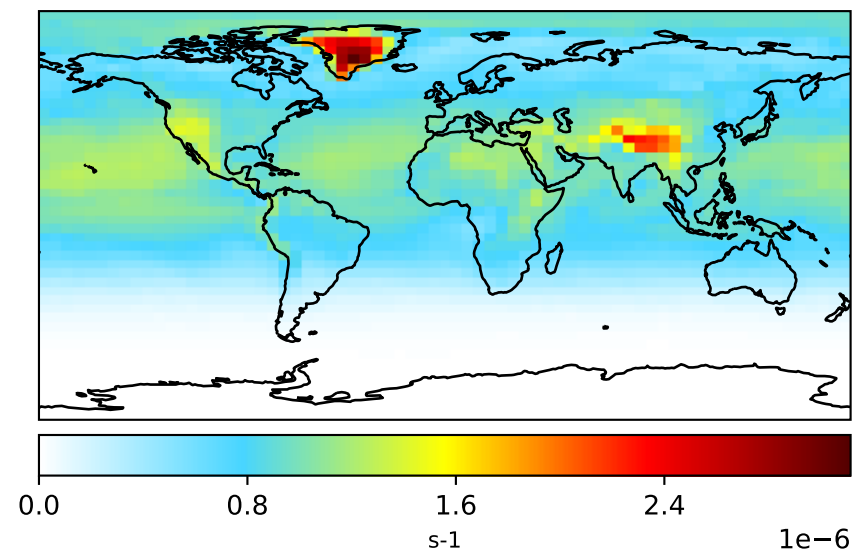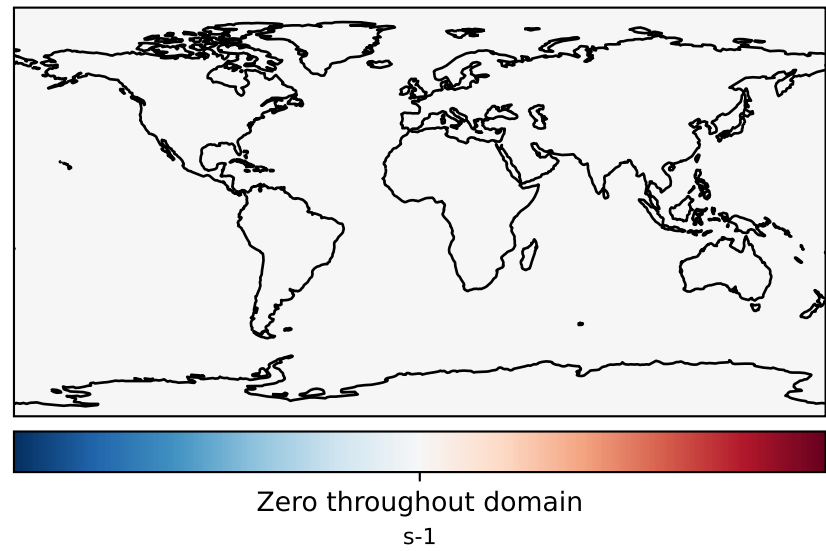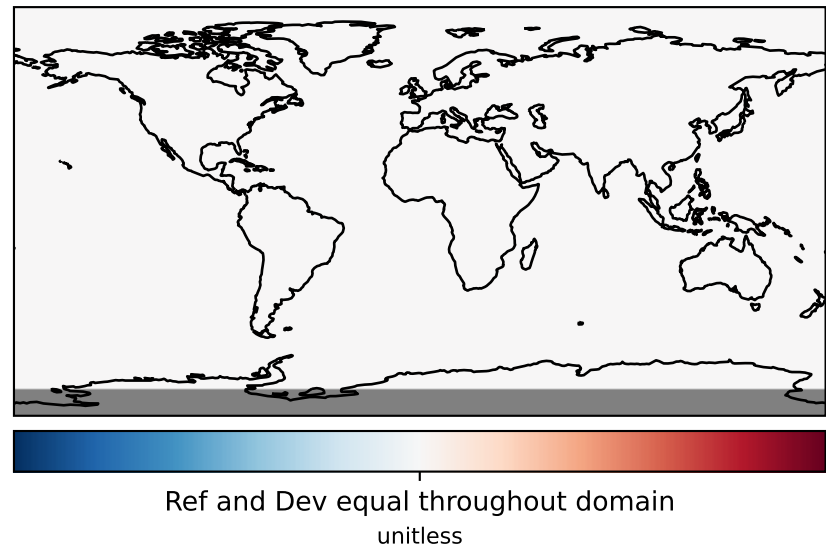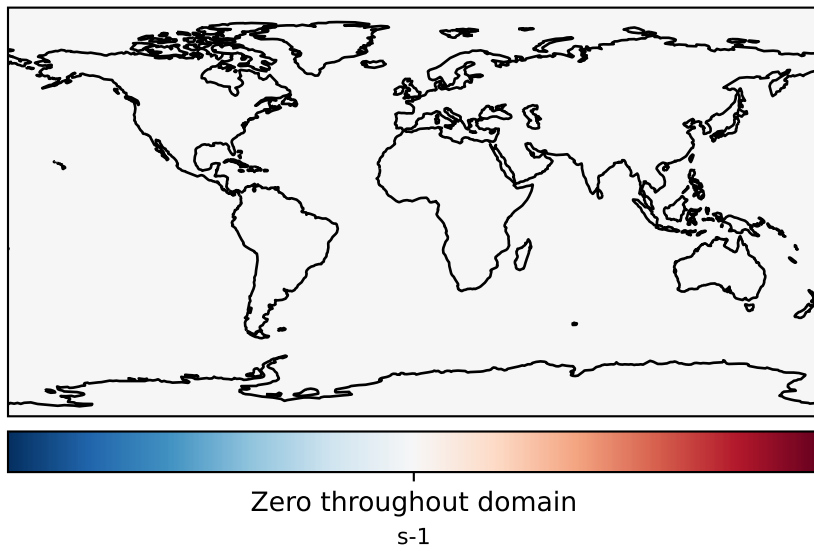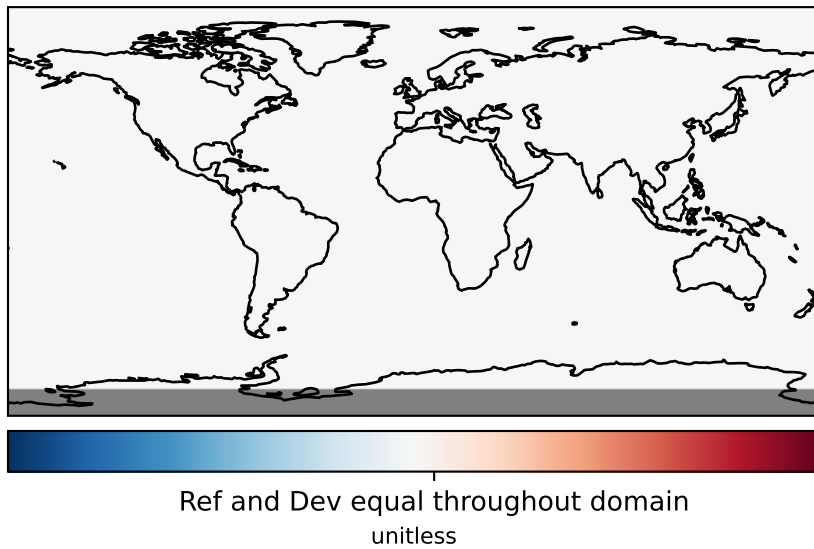
Difference
Dev - Ref, Restricted Range [5%,95%]

Zero throughout domain
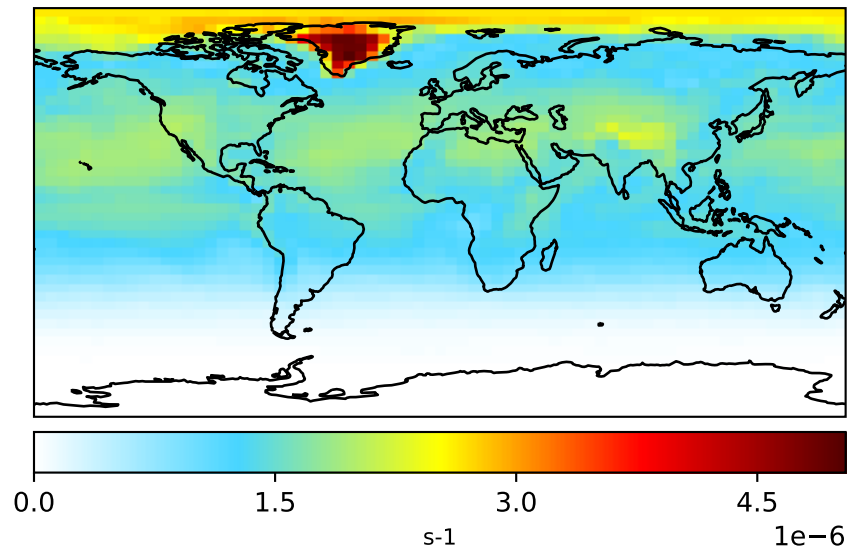s-1

Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

Ref and Dev equal throughout domain
unitless

Jval_ATOOH

Jval_BALD
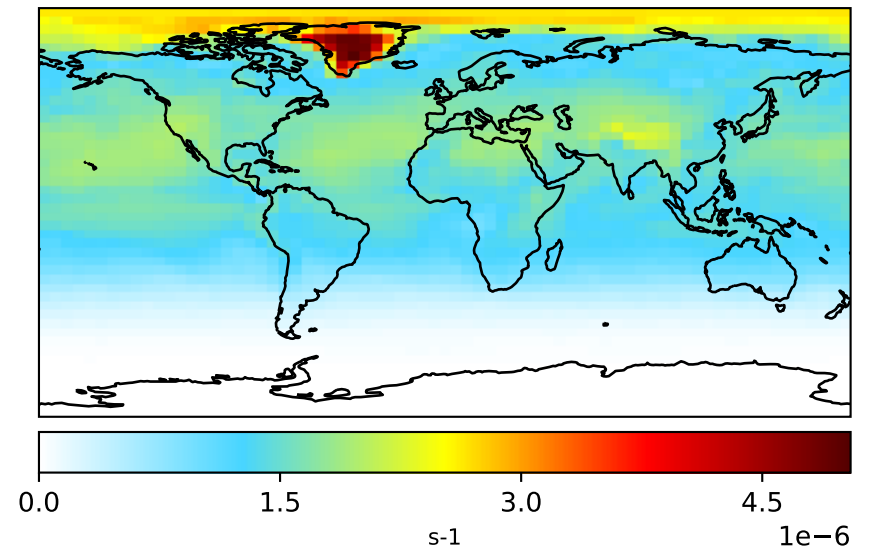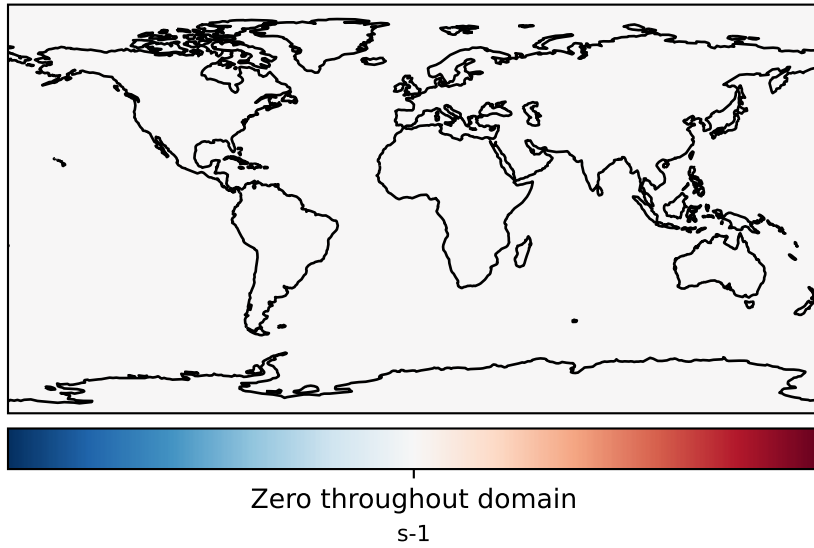
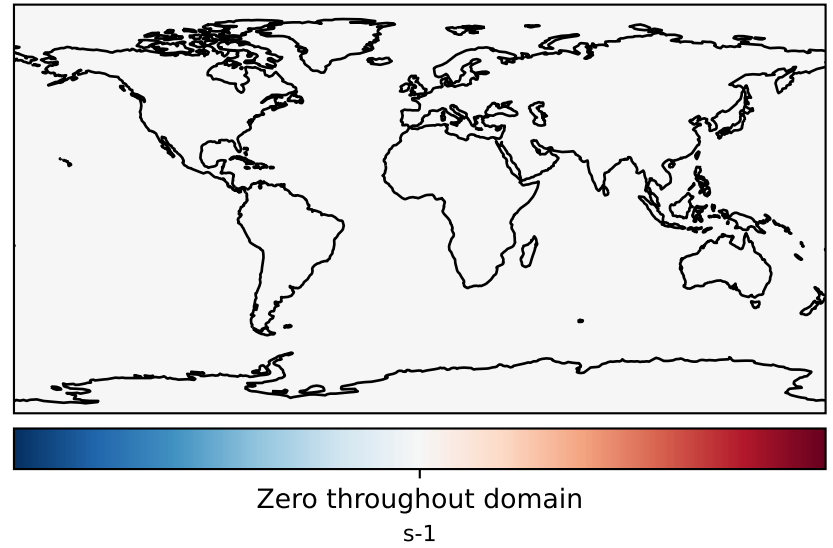

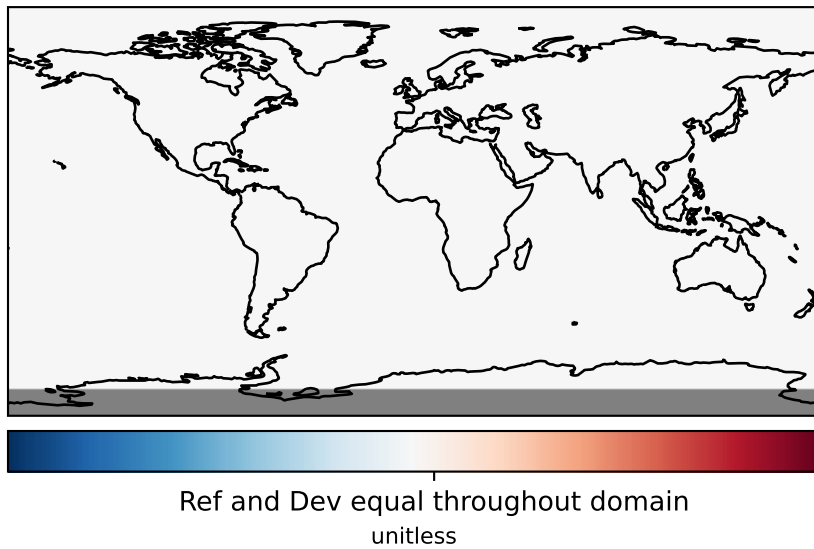gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0

gcc-4x5-1Mon-14.6.3 (Dev)
4.0x5.0

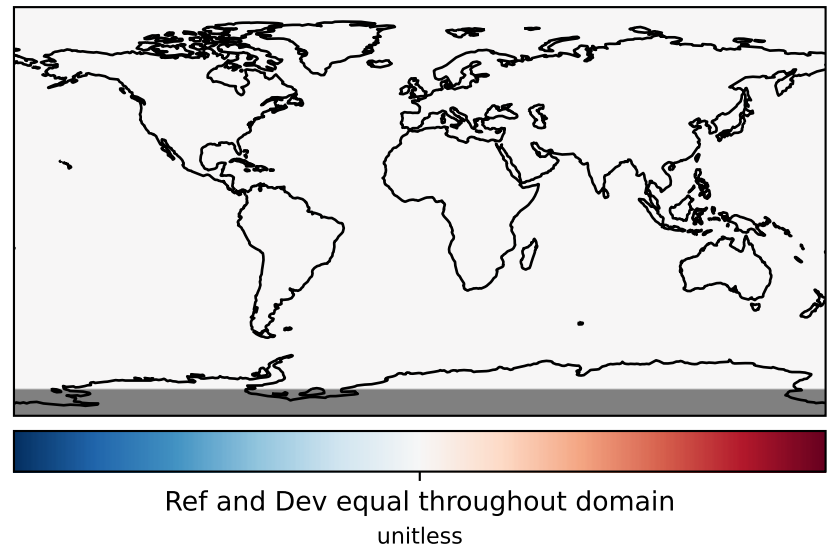s-1   s-1

Difference
Dev - Ref, Dynamic Range

Difference
Dev - Ref, Restricted Range [5%,95%]
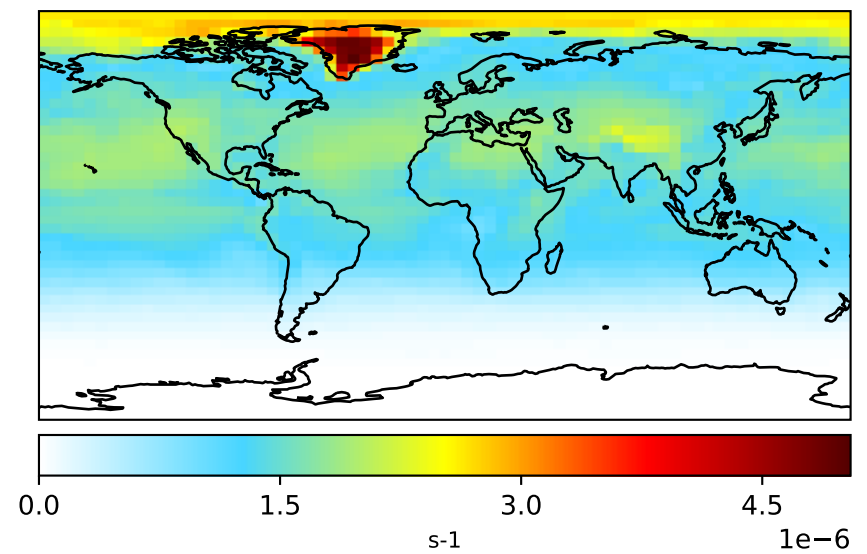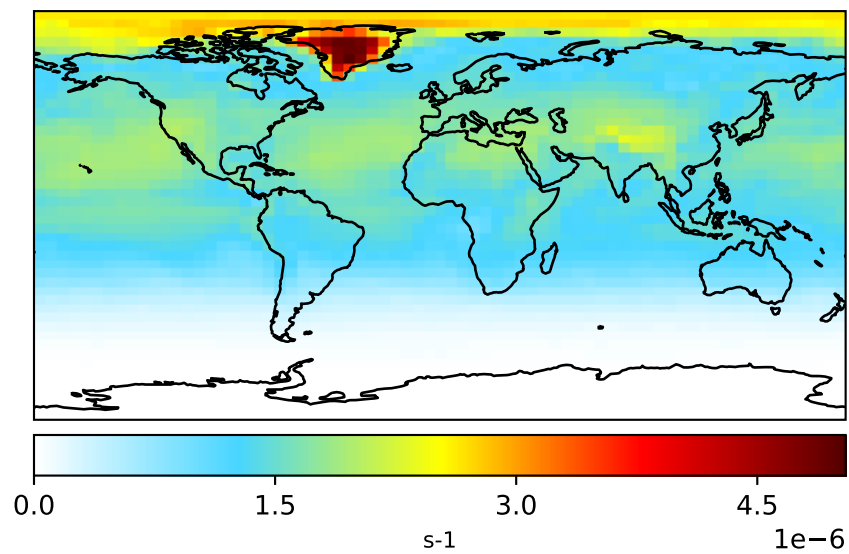
Zero throughout domain
s-1

Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

Ref and Dev equal throughout domain
unitless

Jval_BENZP

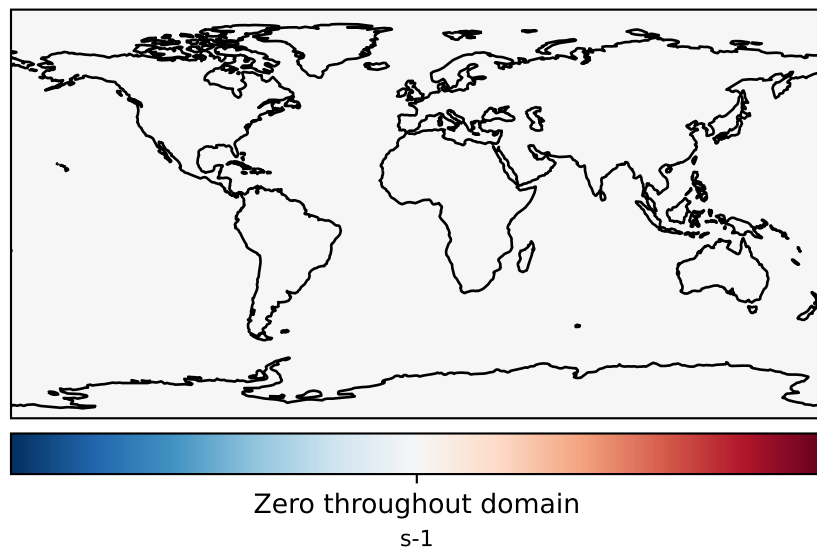# Jval_BPINOOH

Jval_BPINP

gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0
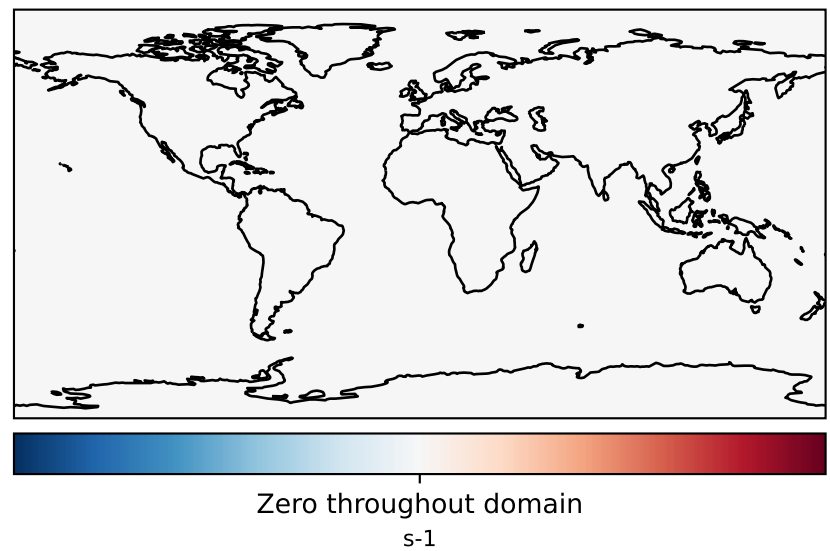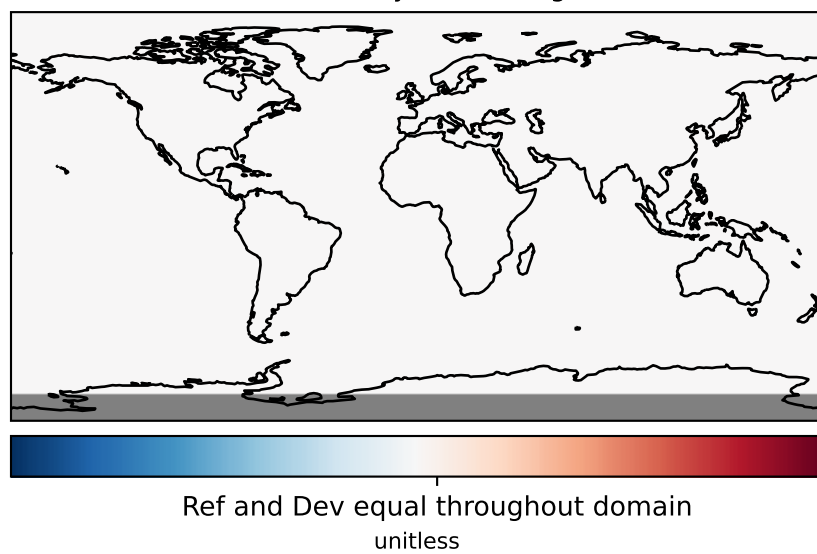
gcc-4x5-1Mon-14.6.3 (Dev)
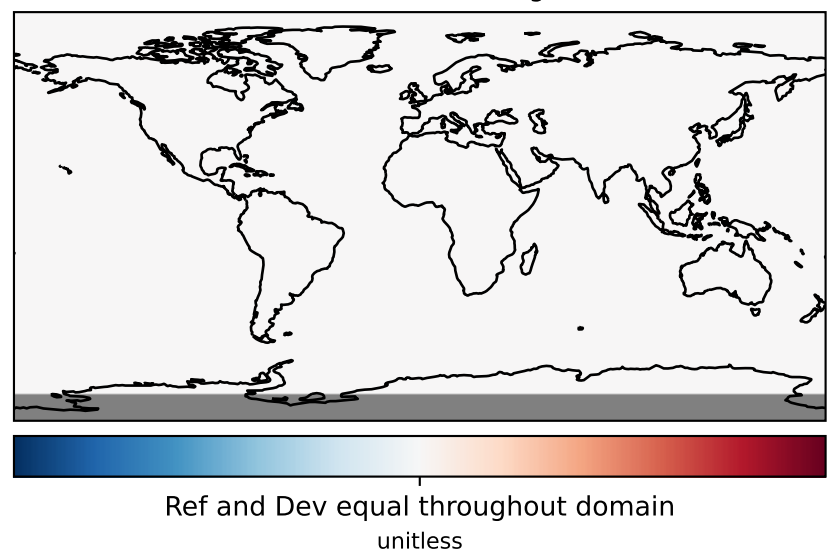4.0x5.0

s-1

s-1

Difference
Dev - Ref, Dynamic Range

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

Zero throughout domain
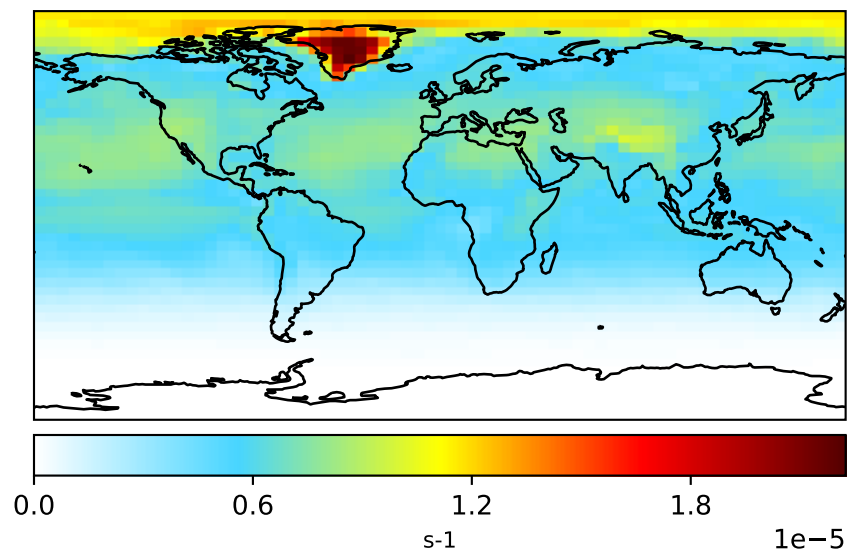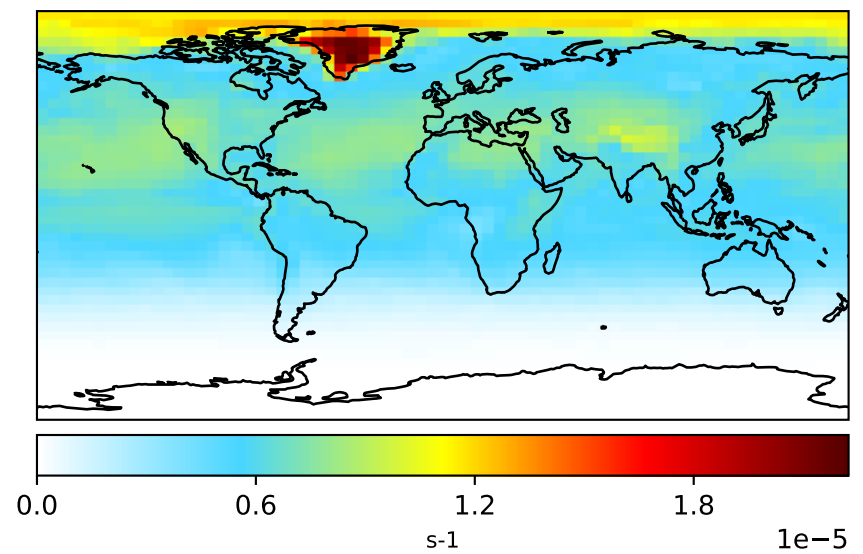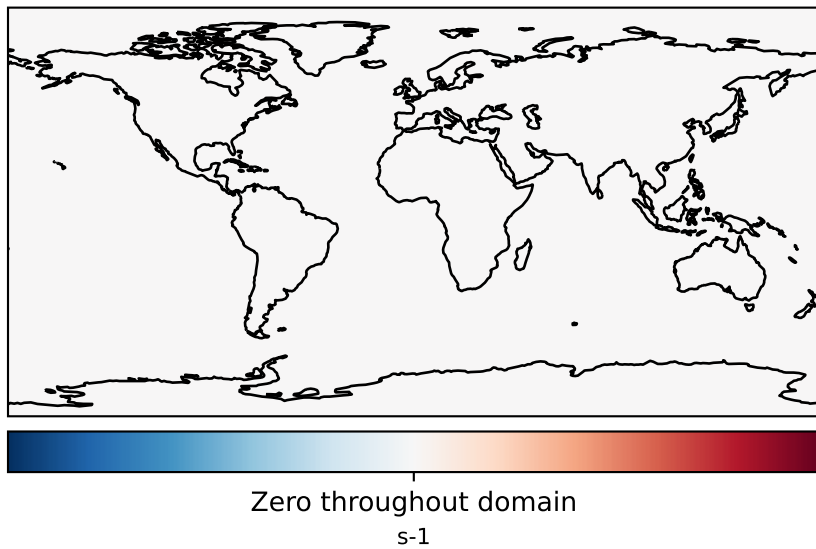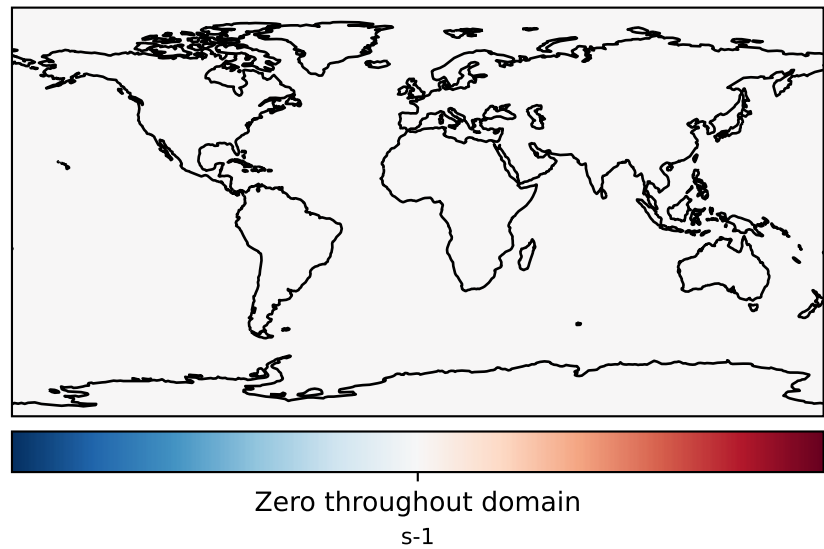s-1

Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

Ref and Dev equal throughout domain
unitless

Jval_BZCO3H

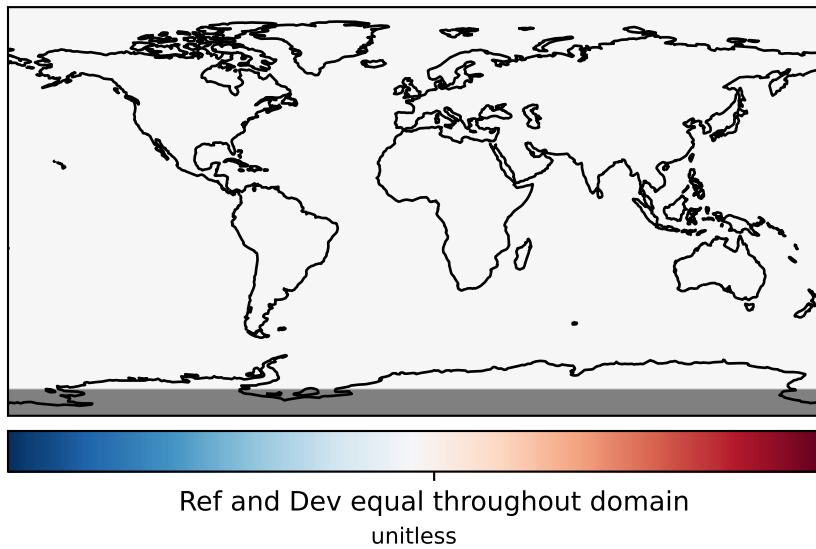gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0

gcc-4x5-1Mon-14.6.3 (Dev)
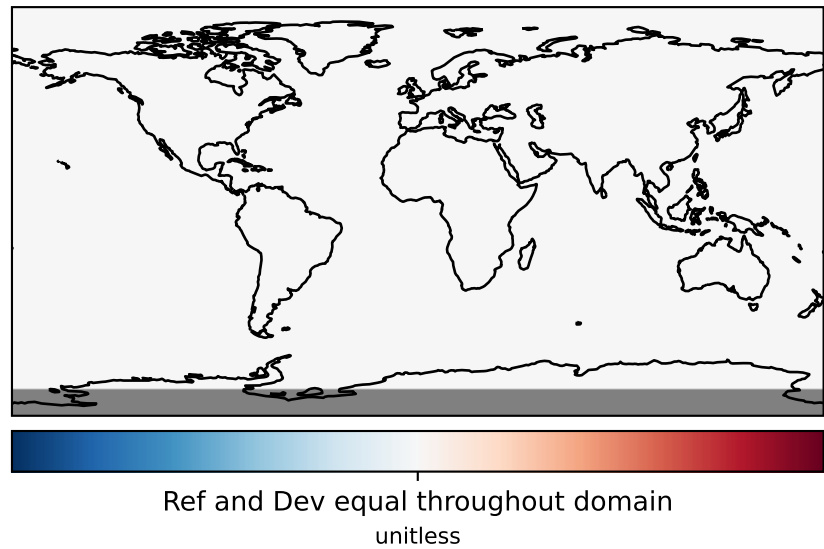4.0x5.0

s-1

s-1

Difference
Dev - Ref, Dynamic Range

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

Zero throughout domain
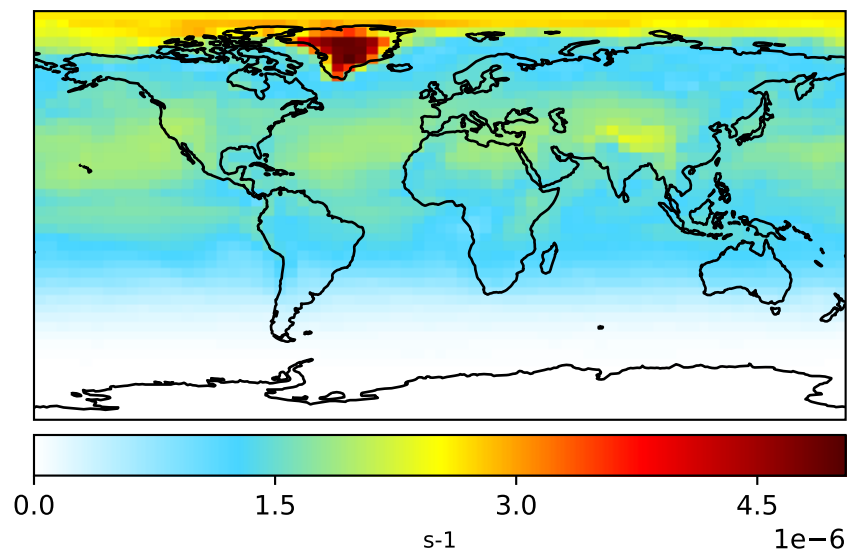s-1

Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
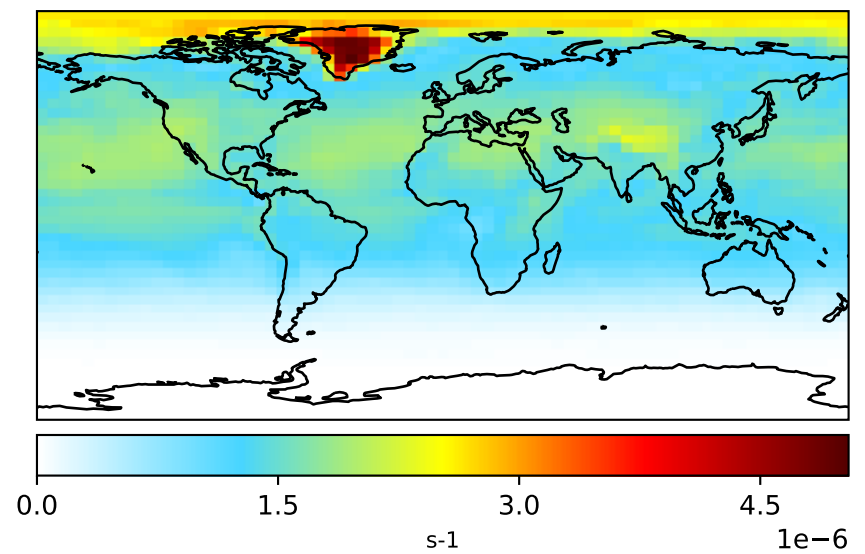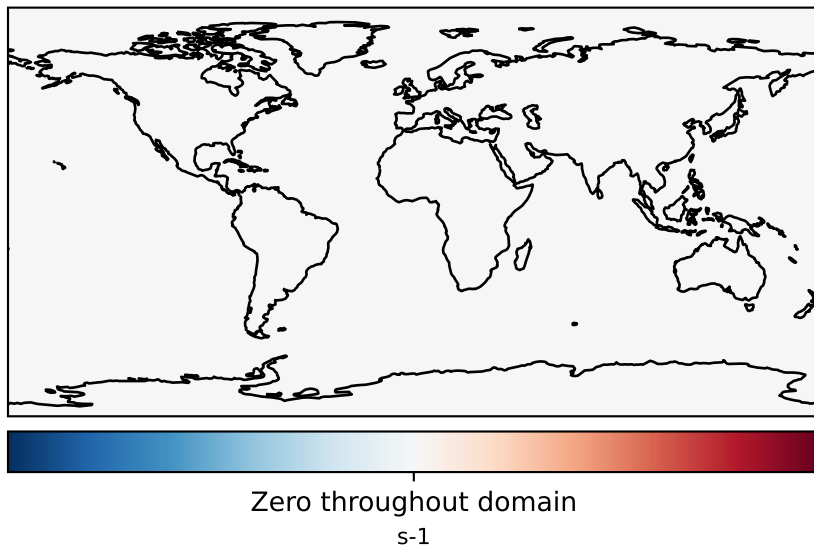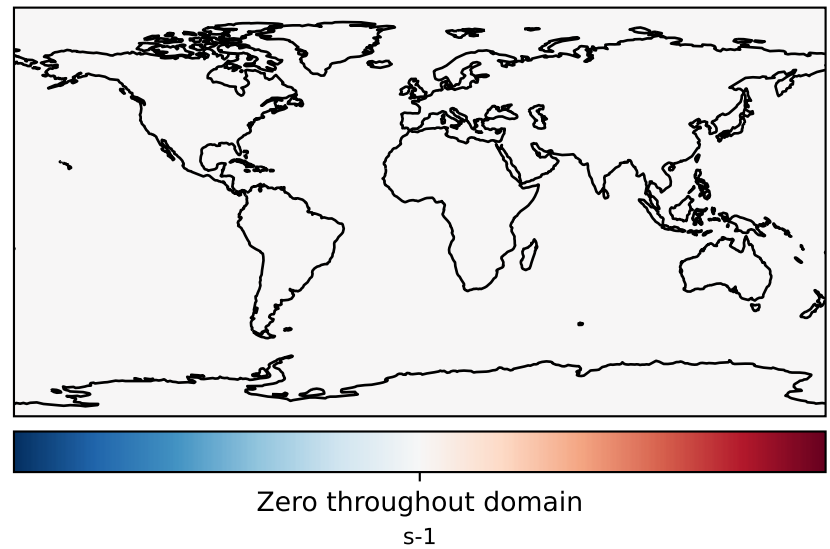unitless

Ref and Dev equal throughout domain
unitless

Jval_Br2

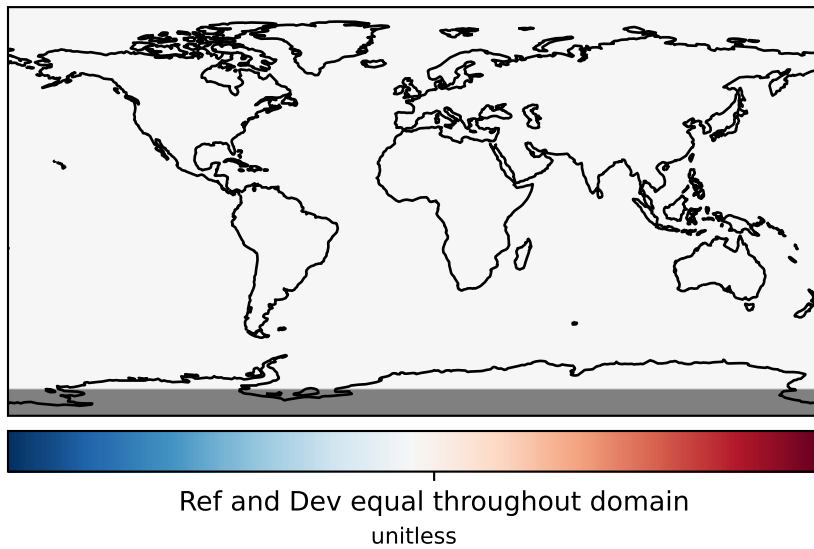gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0

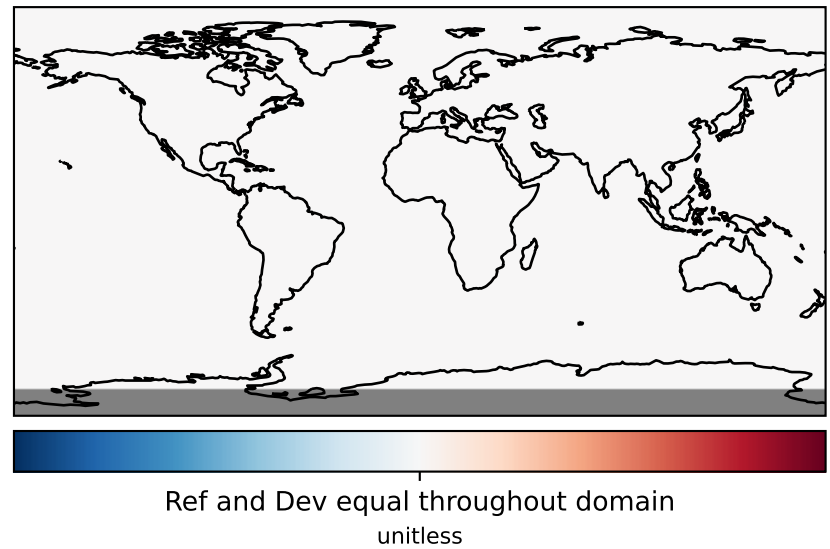gcc-4x5-1Mon-14.6.3 (Dev)
4.0x5.0

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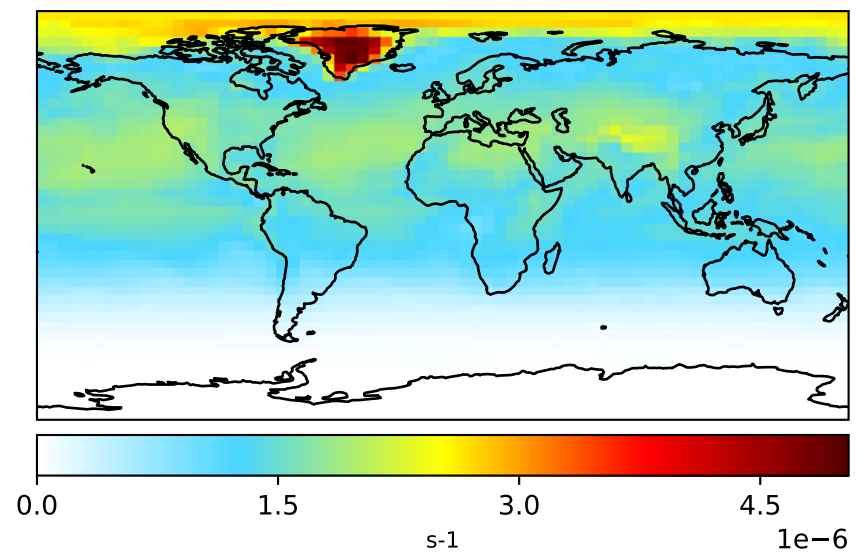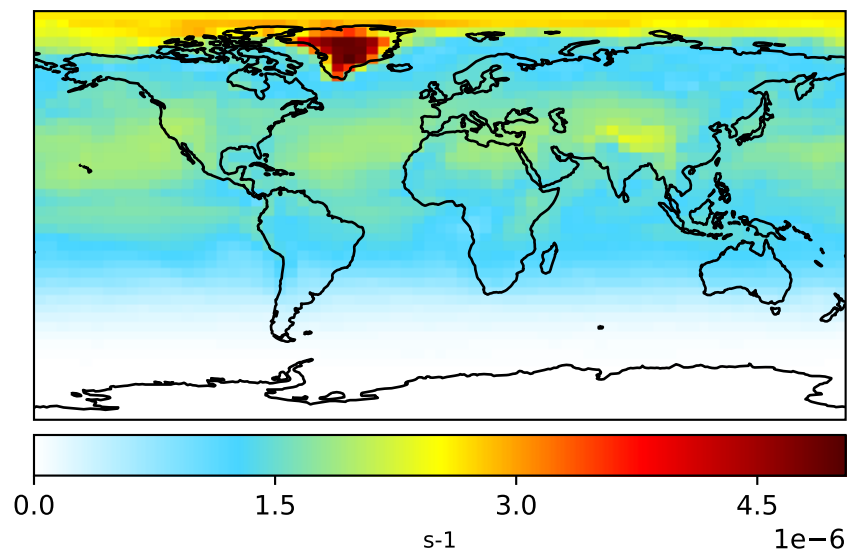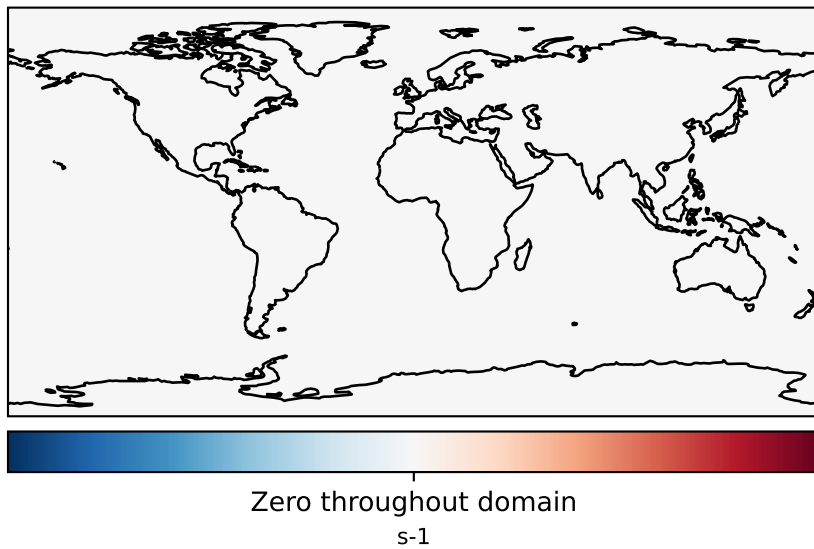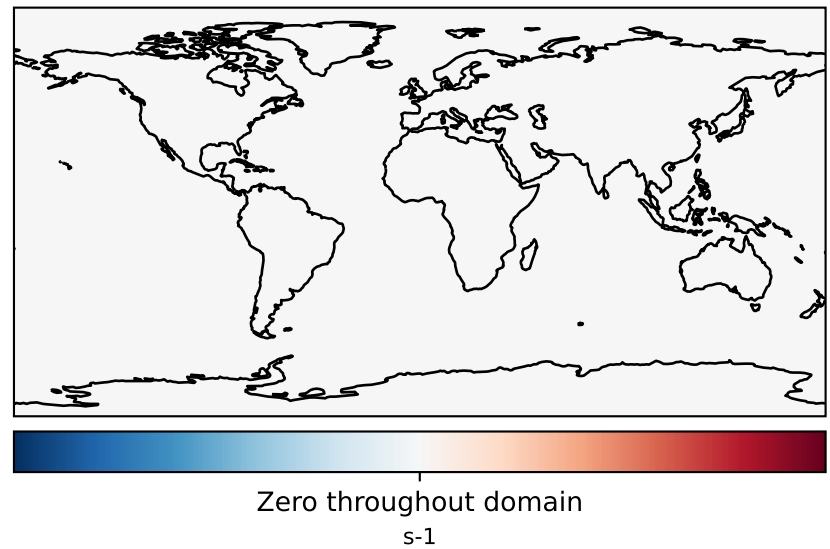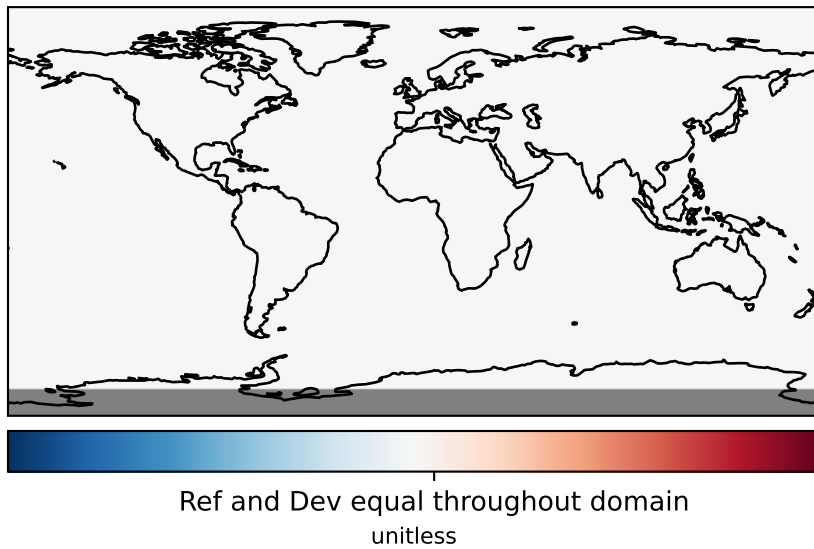
Difference
Dev - Ref, Restricted Range [5%,95%]

Zero throughout domain
s-1

Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

Ref and Dev equal throughout domain
unitless

Jval_BrCl

gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0

gcc-4x5-1Mon-14.6.3 (Dev)
4.0x5.0
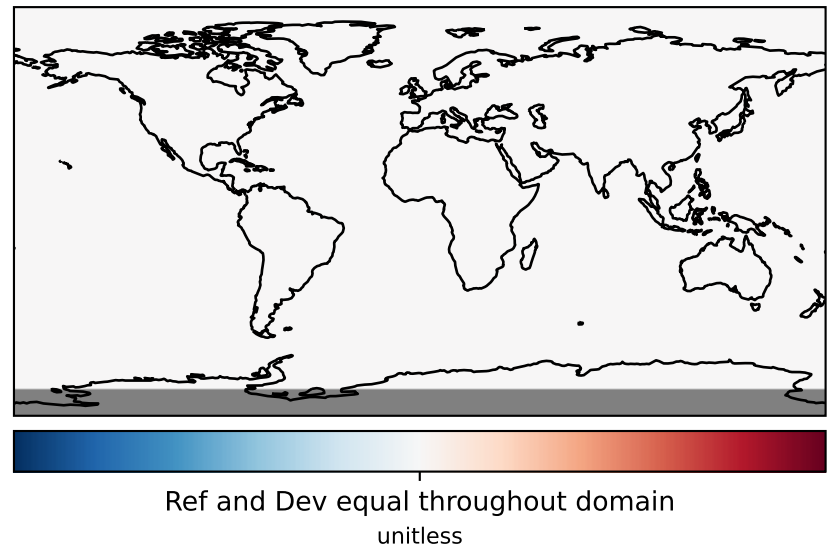
s-1

s-1

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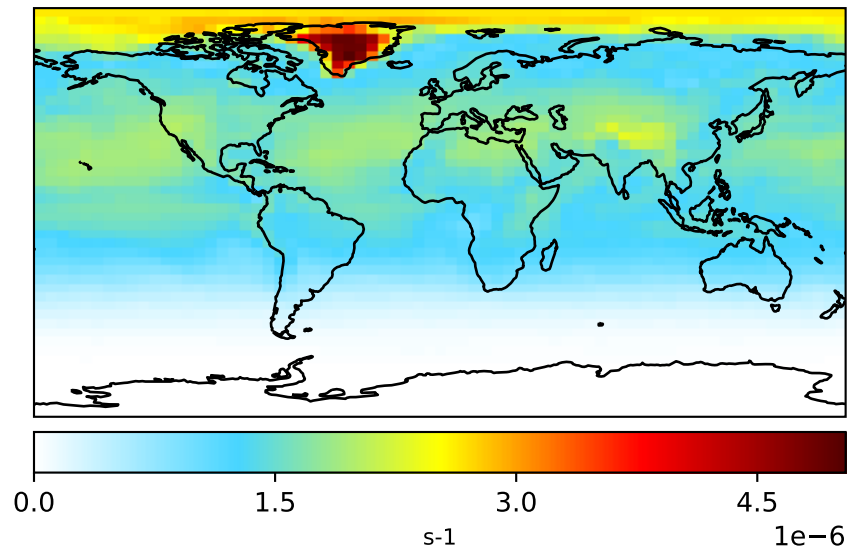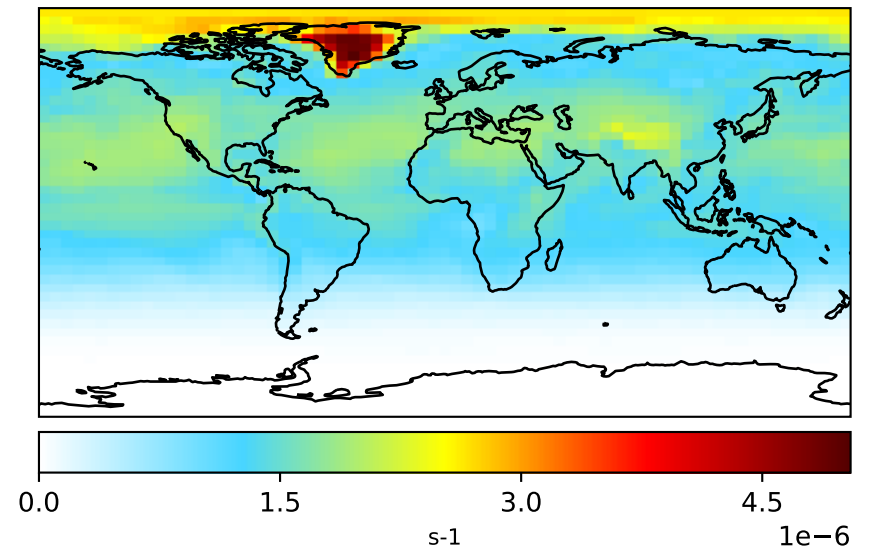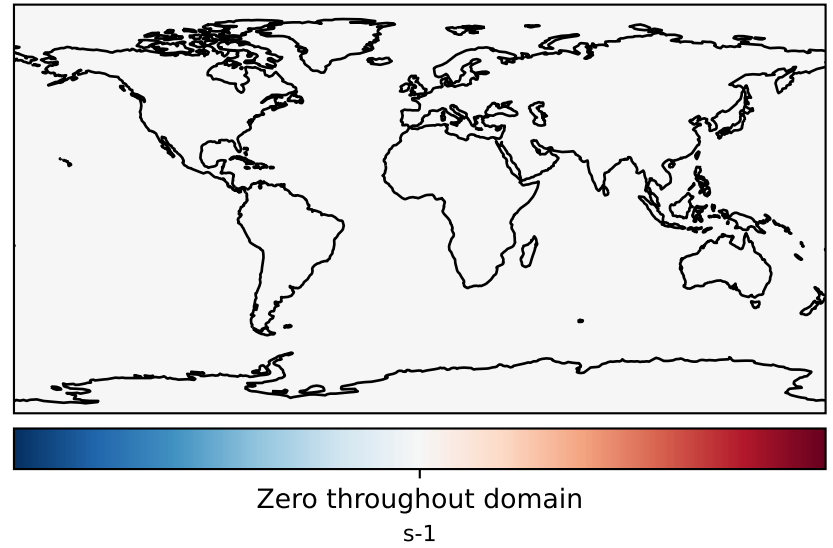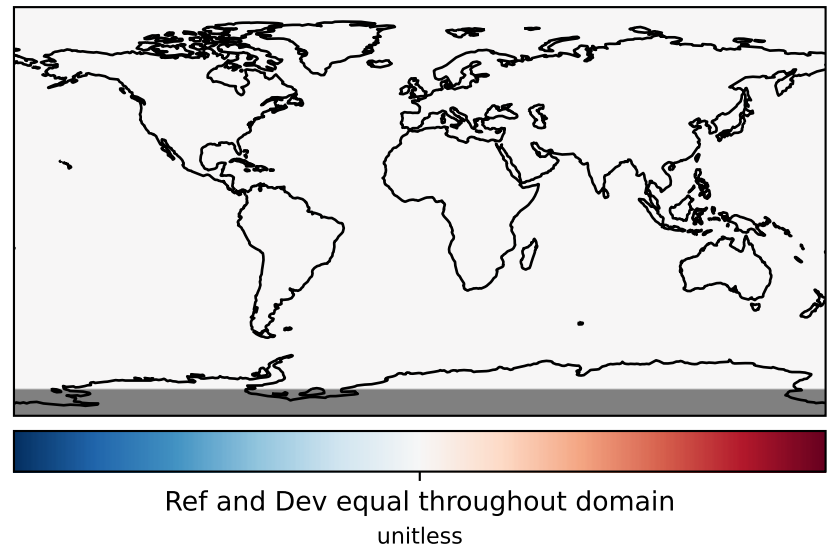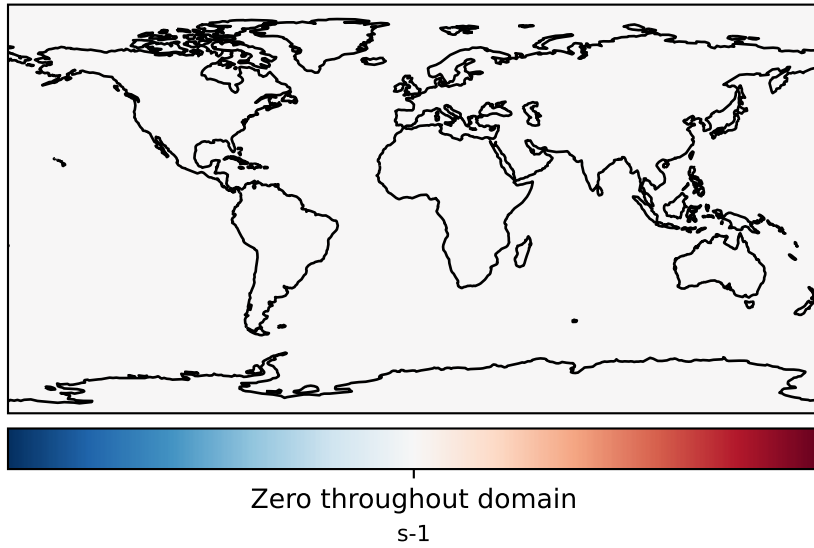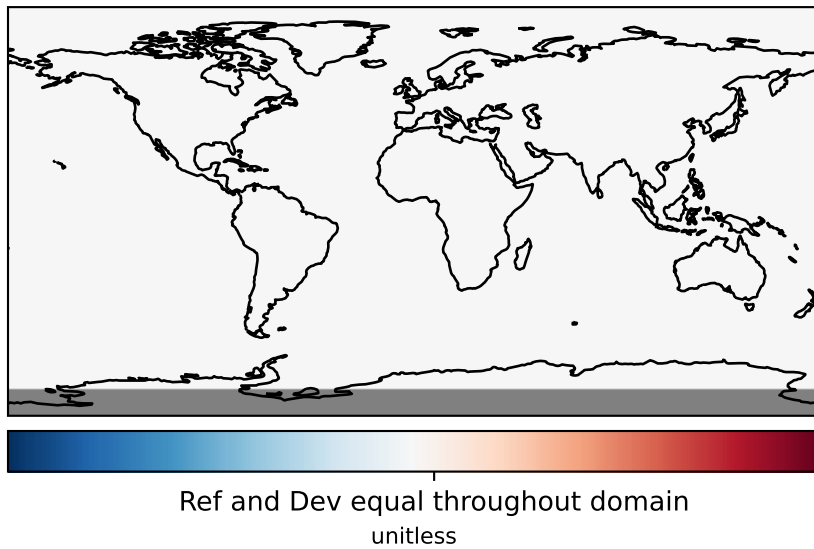
Difference
Dev - Ref, Restricted Range [5%,95%]

Zero throughout domain
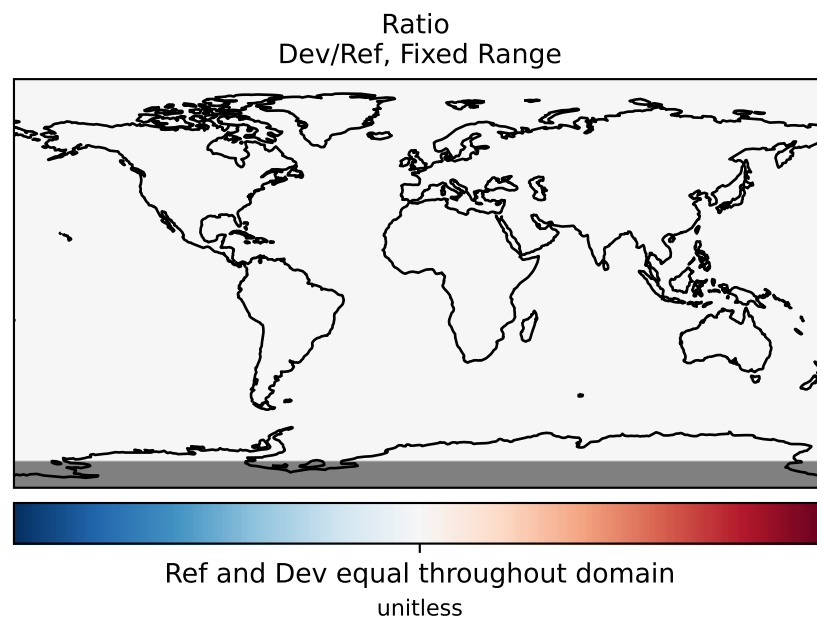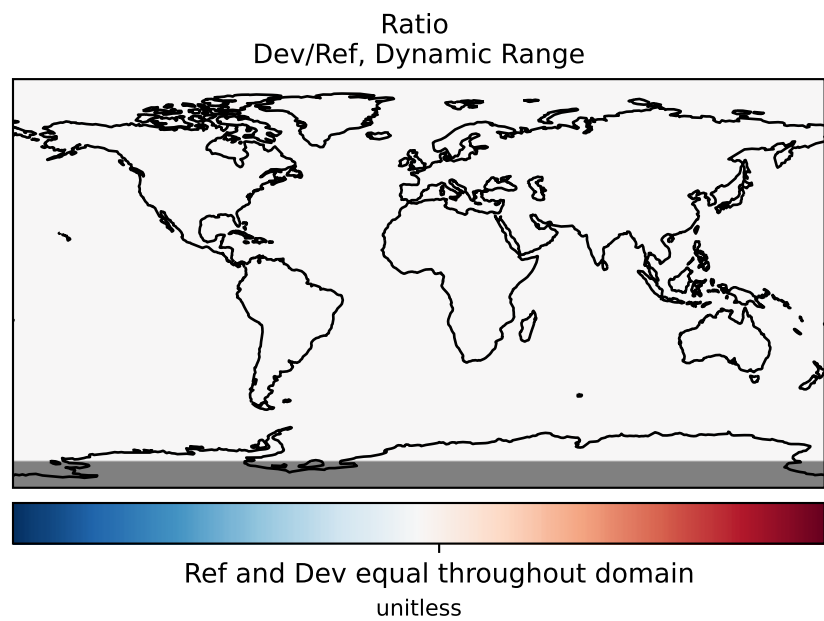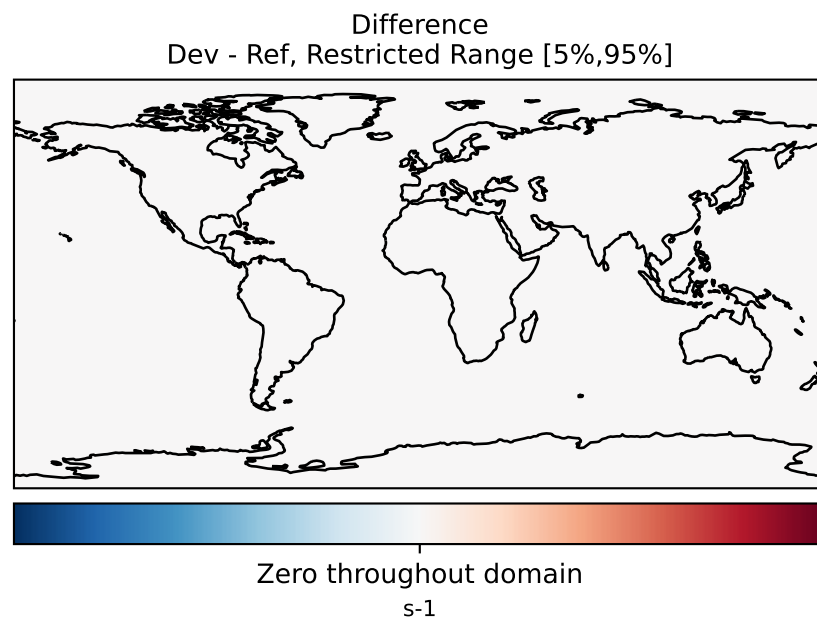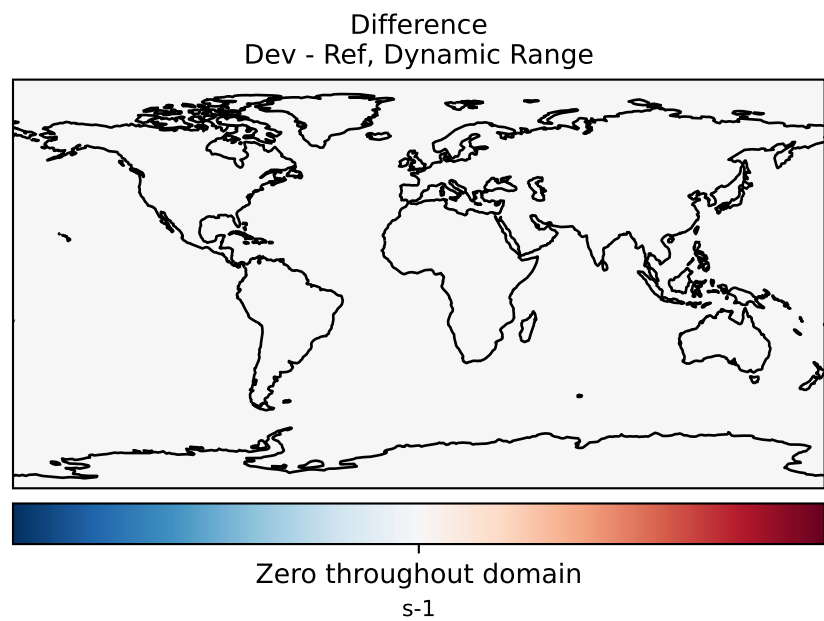s-1

Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

Ref and Dev equal throughout domain
unitless

Jval_BrNO2

Jval_BrNO3

Jval_BrO

Jval_C96O2H

gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0

gcc-4x5-1Mon-14.6.3 (Dev)
4.0x5.0

s-1

s-1

Difference
Dev - Ref, Dynamic Range
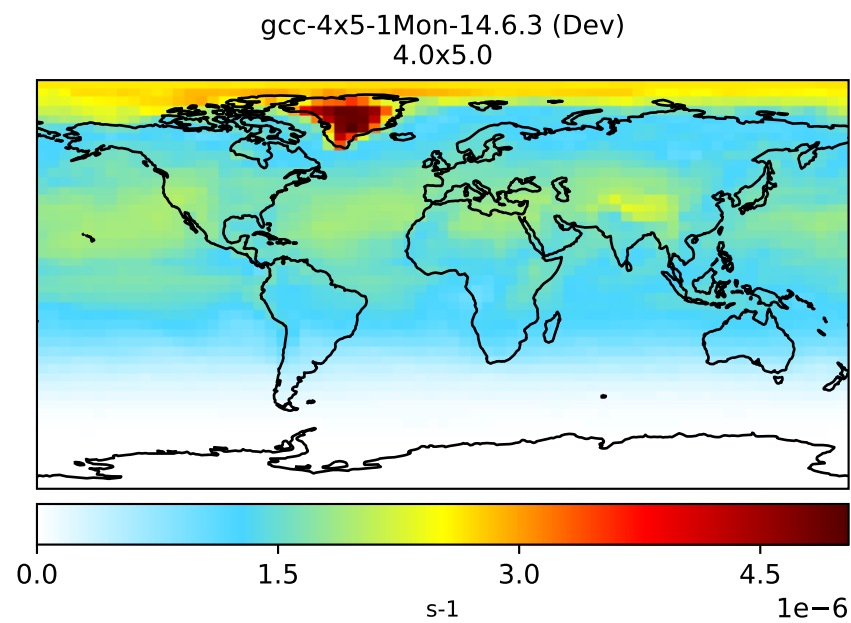
Difference
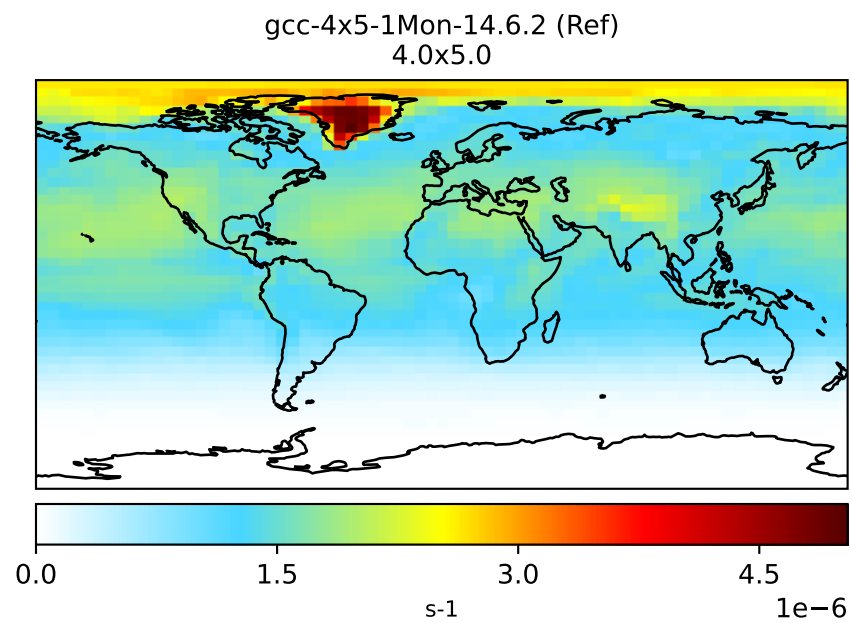Dev - Ref, Restricted Range [5%,95%]
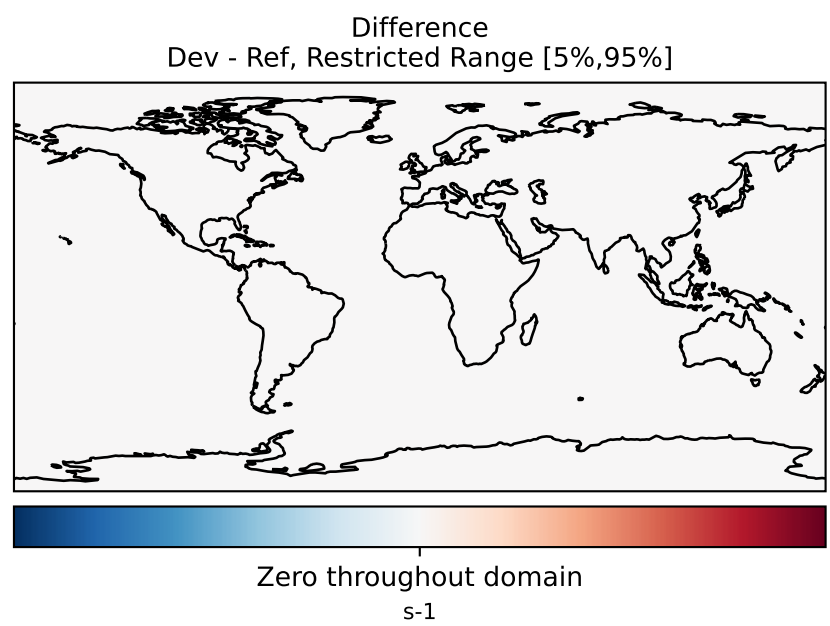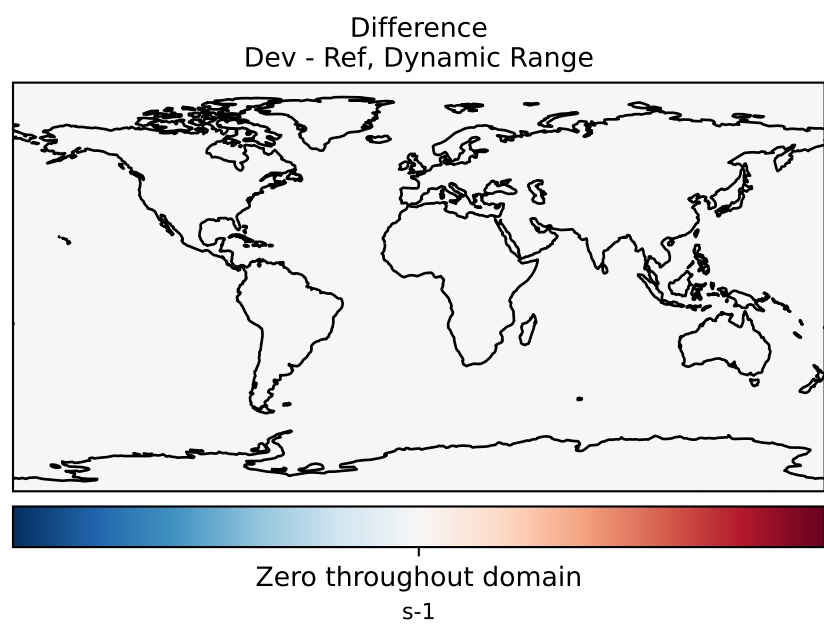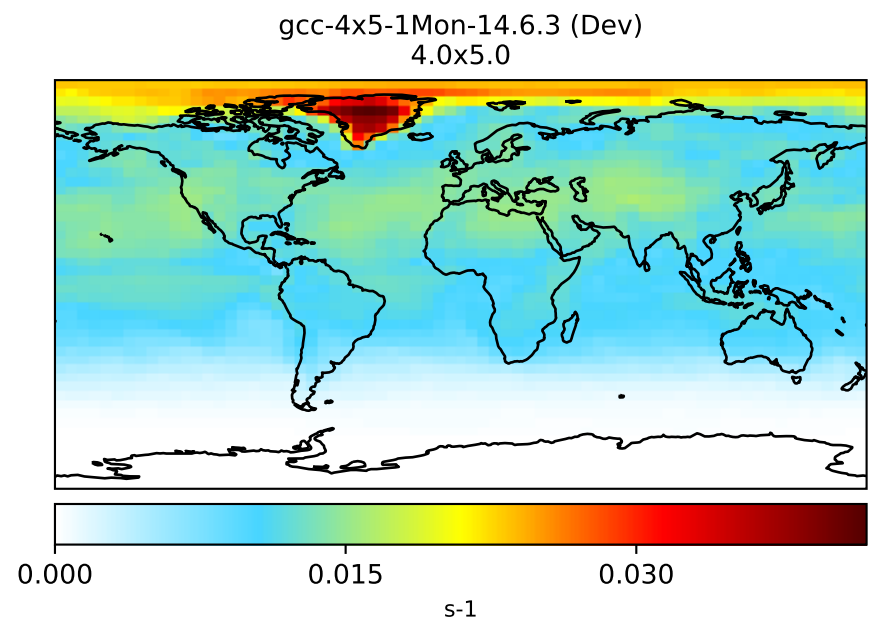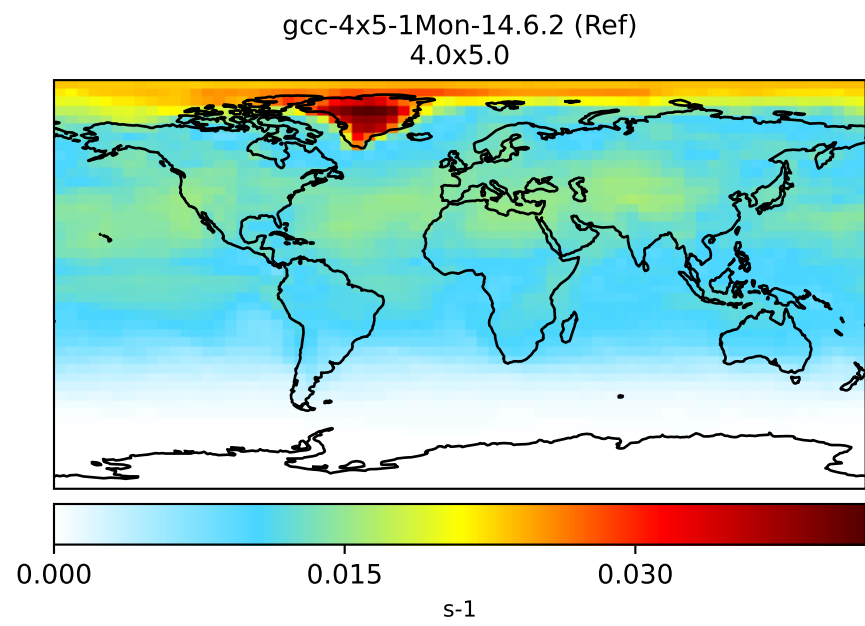
Zero throughout domain
s-1

Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

Ref and Dev equal throughout domain
unitless

Jval_CCl4

gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0

gcc-4x5-1Mon-14.6.3 (Dev)
4.0x5.0

s-1

s-1

Difference
Dev - Ref, Dynamic Range

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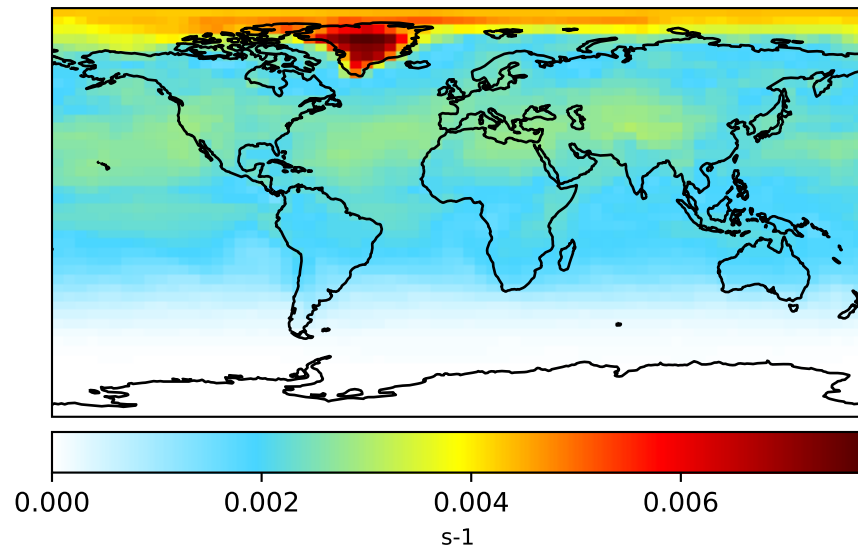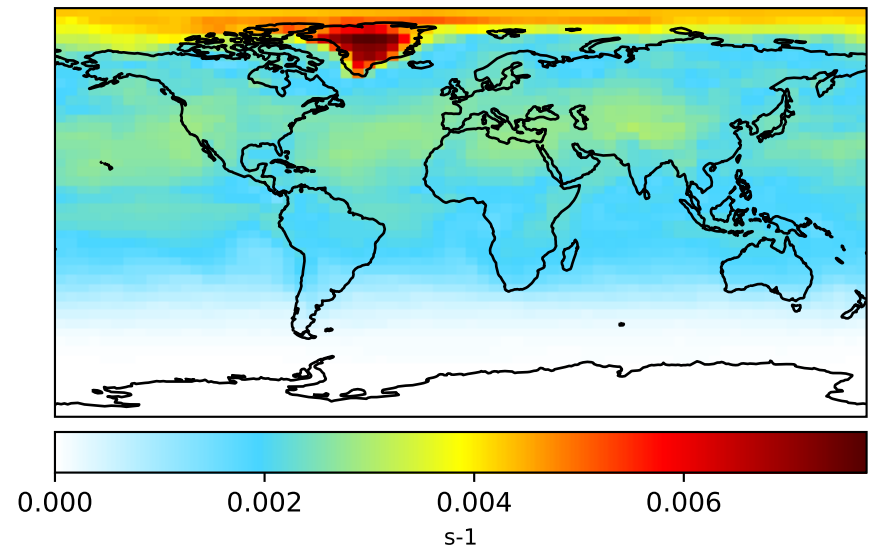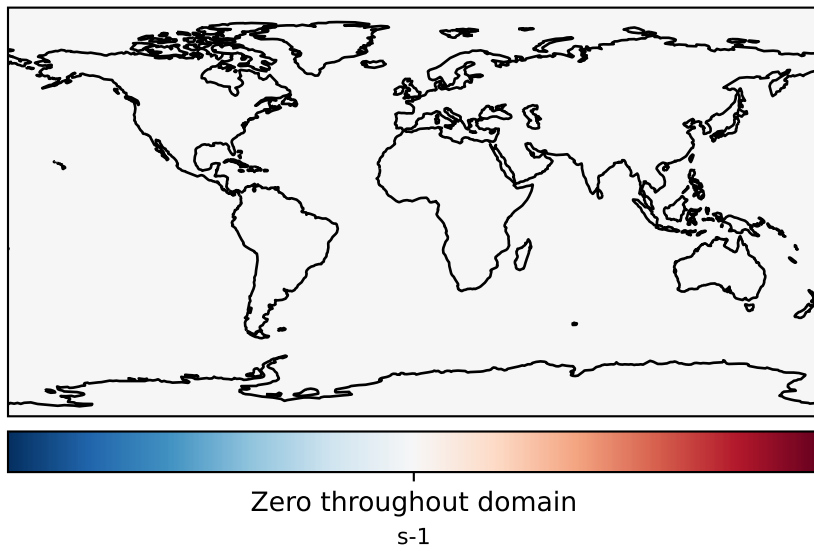Dev - Ref, Restricted Range [5%,95%]

Zero throughout domain
s-1

Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

Ref and Dev equal throughout domain
unitless

Jval_CFC11

gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0

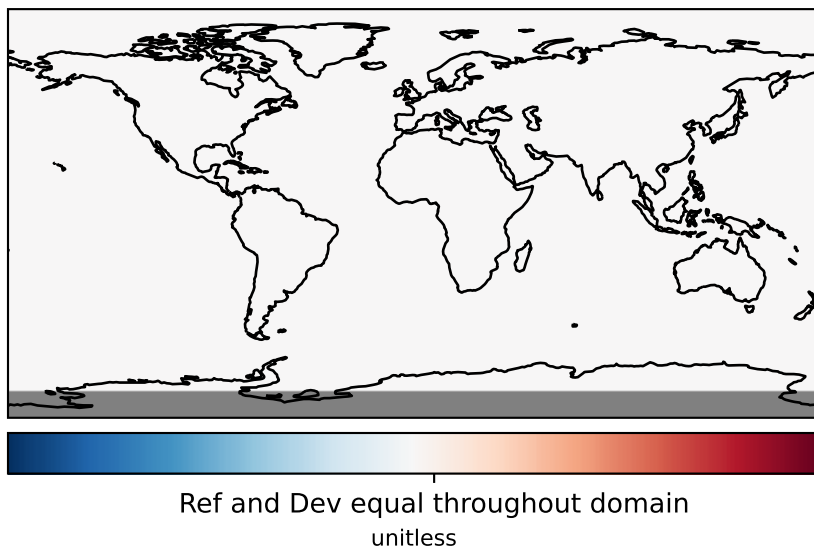gcc-4x5-1Mon-14.6.3 (Dev)
4.0x5.0

s-1   1e−17

s-1   1e−17

Difference
Dev - Ref, Dynamic Range

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

Zero throughout domain
s-1

Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

Ref and Dev equal throughout domain
unitless

Jval_CFC113

Jval_CFC114

gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0

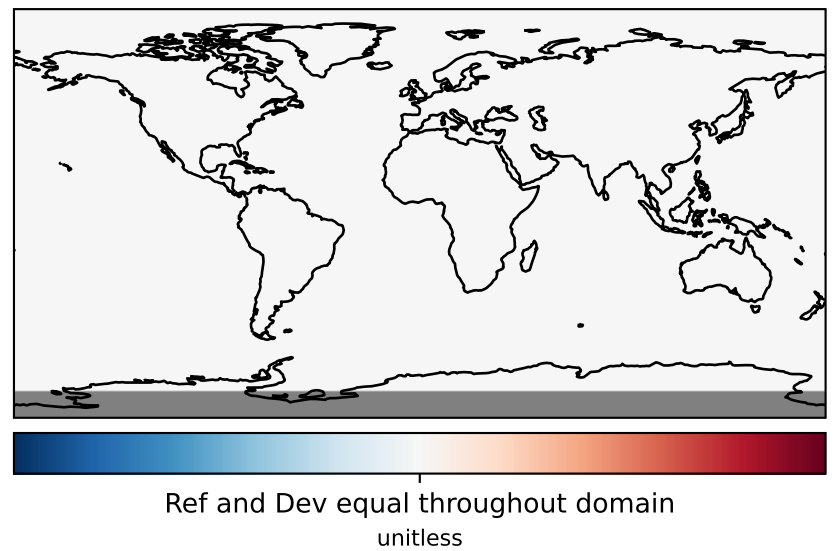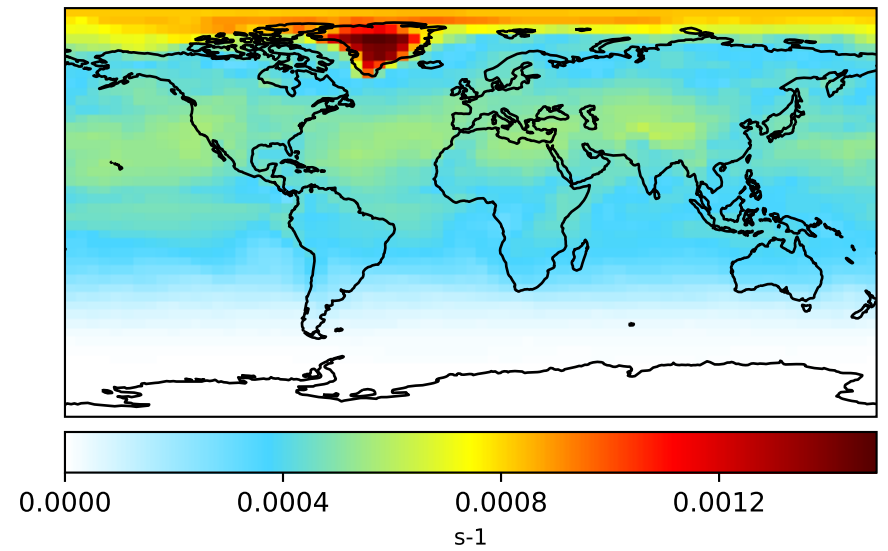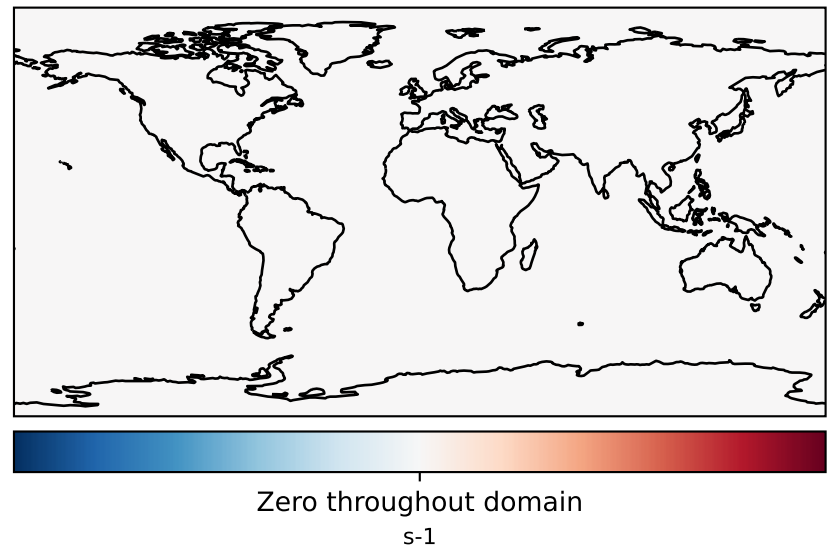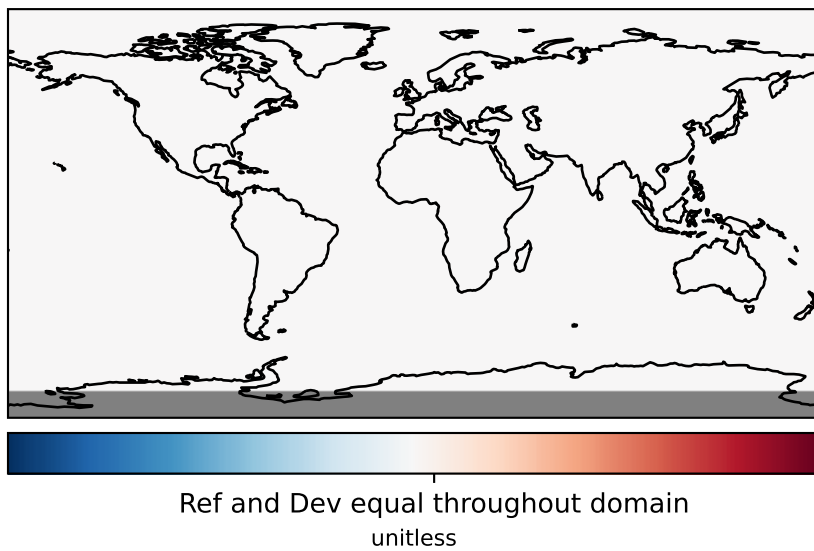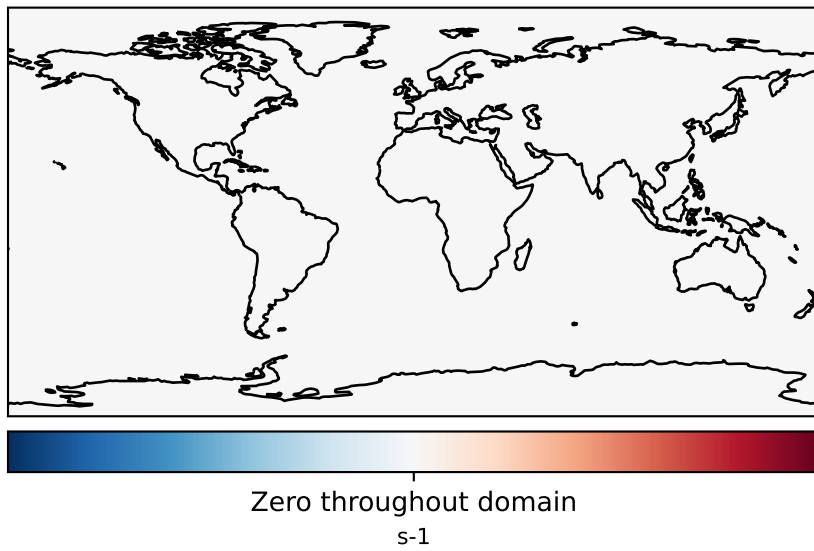gcc-4x5-1Mon-14.6.3 (Dev)
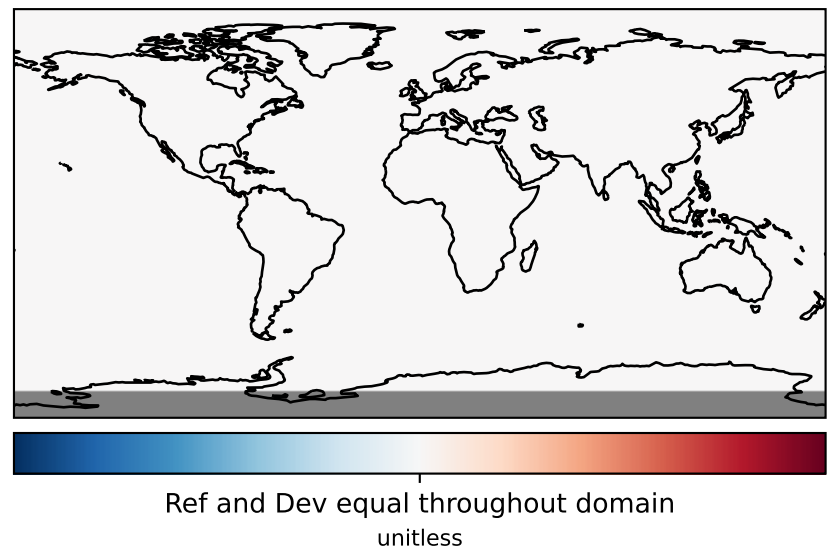4.0x5.0

Difference
Dev - Ref, Dynamic Range

Zero throughout domain
s-1

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

Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ref and Dev equal throughout domain
unitless

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

Jval_CFC115

gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0

gcc-4x5-1Mon-14.6.3 (Dev)
4.0x5.0

Difference
Dev - Ref, Dynamic Range

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

Zero throughout domain
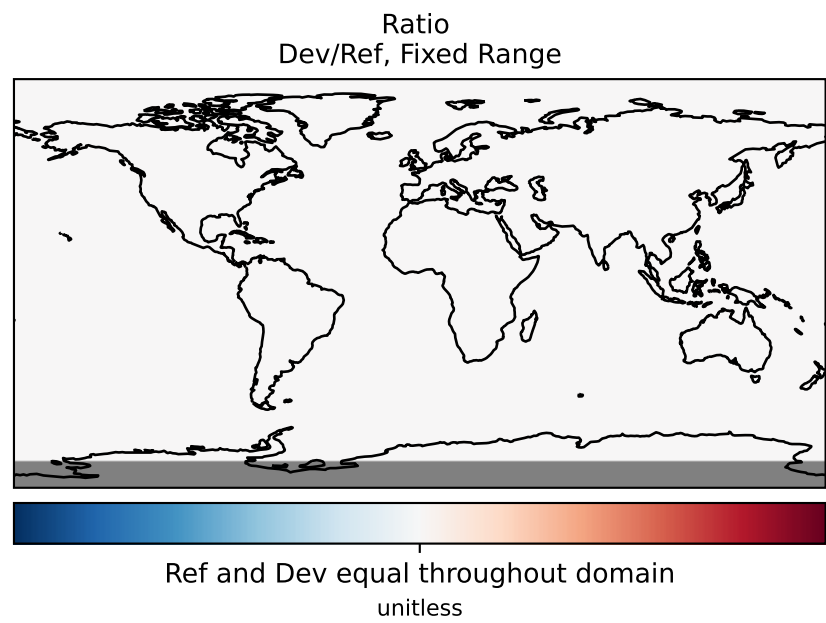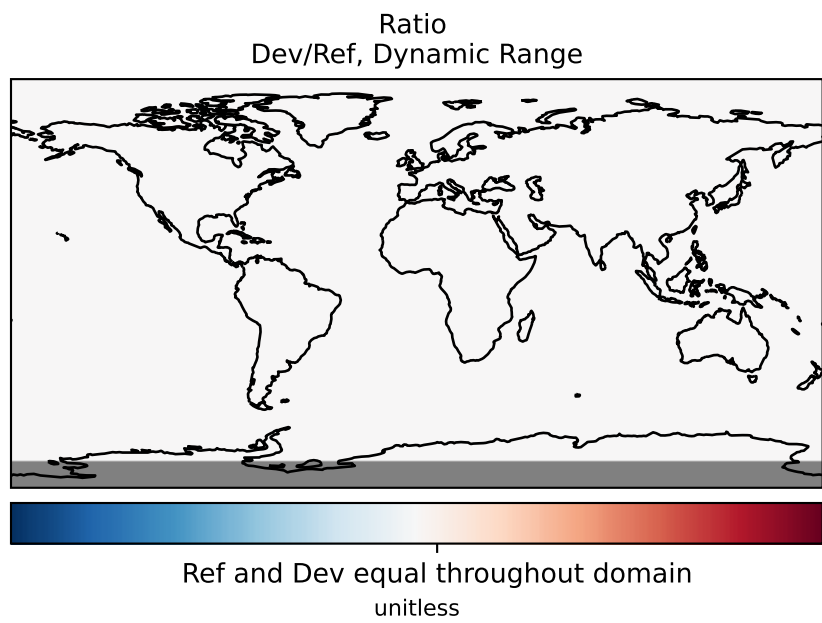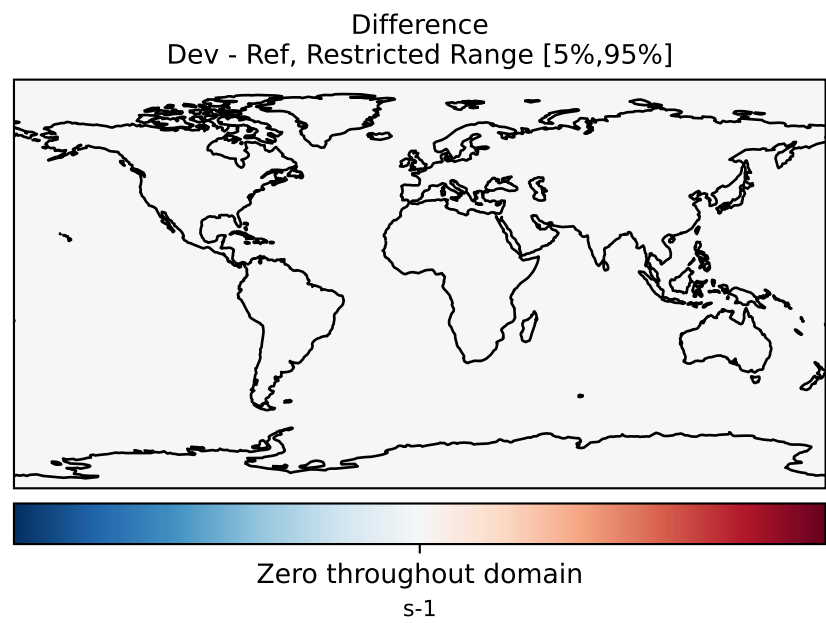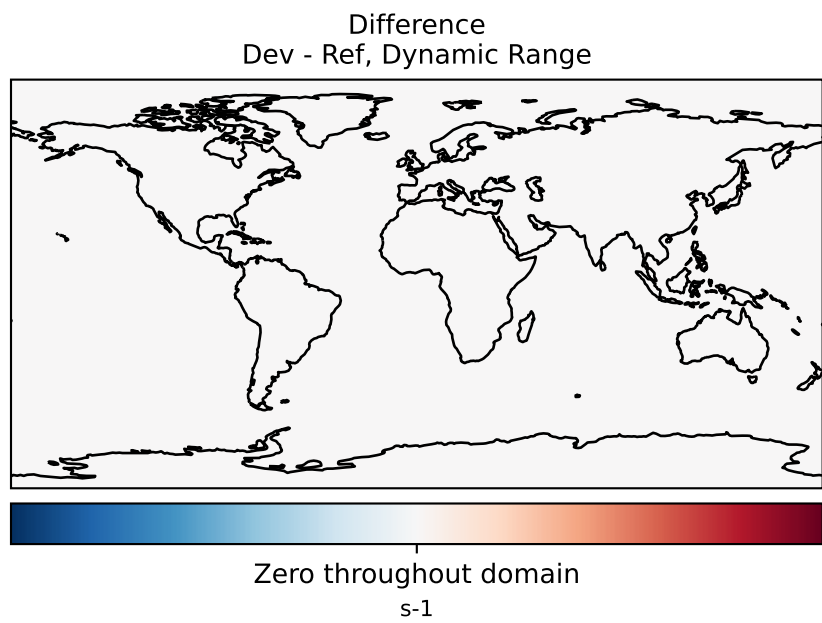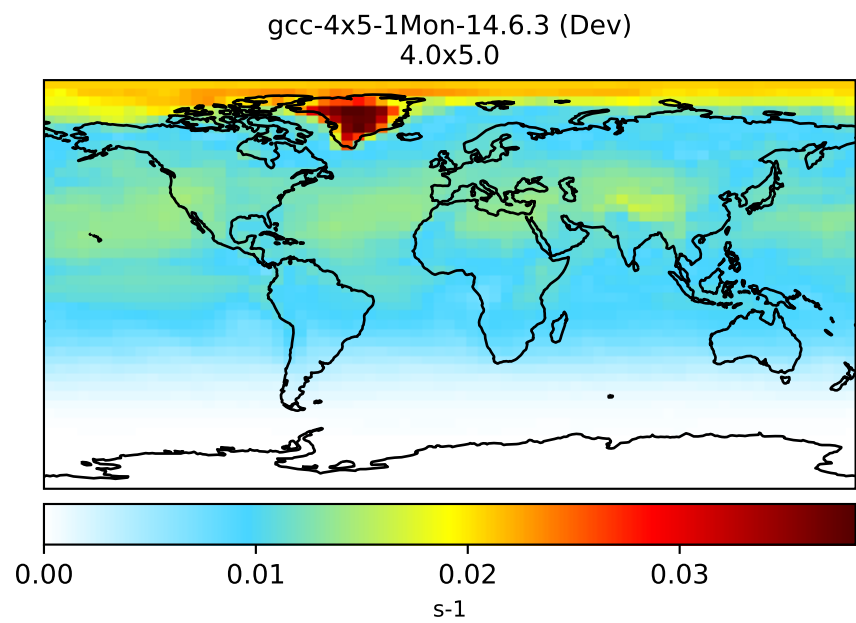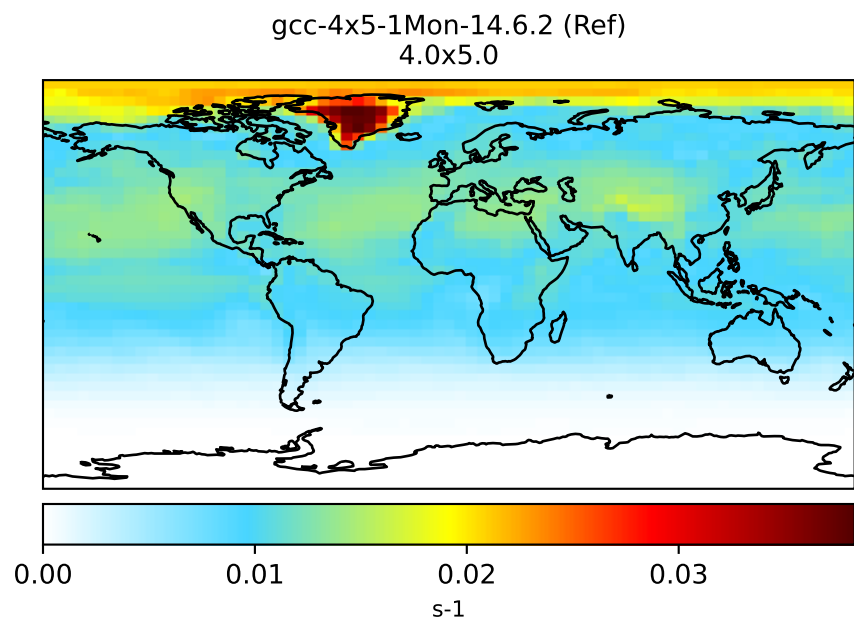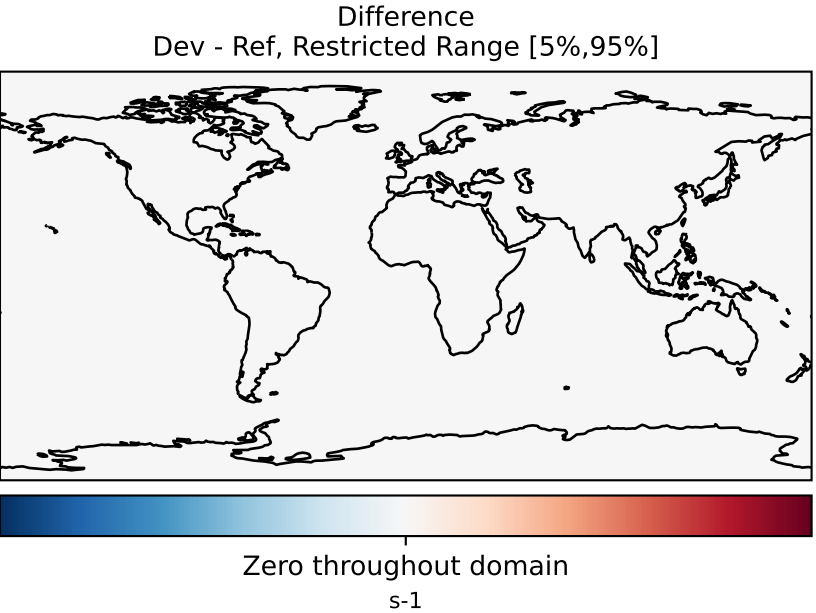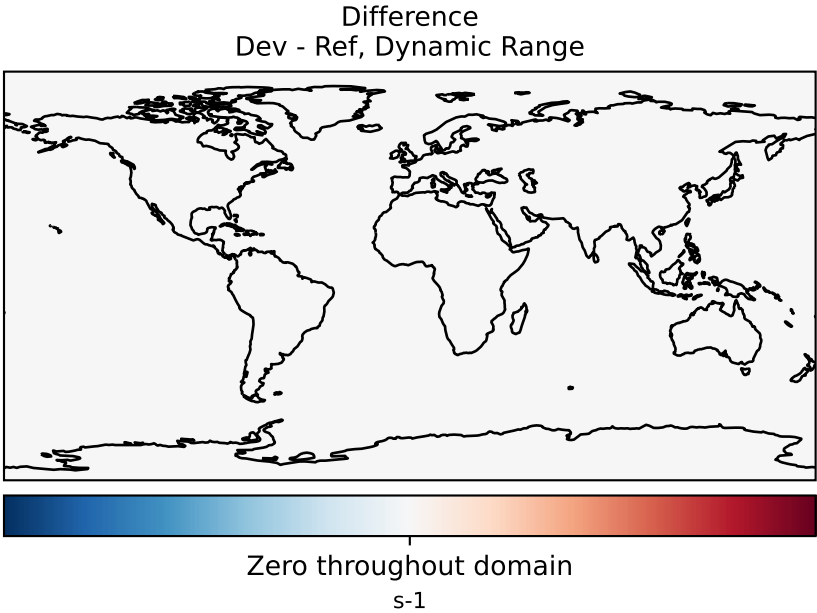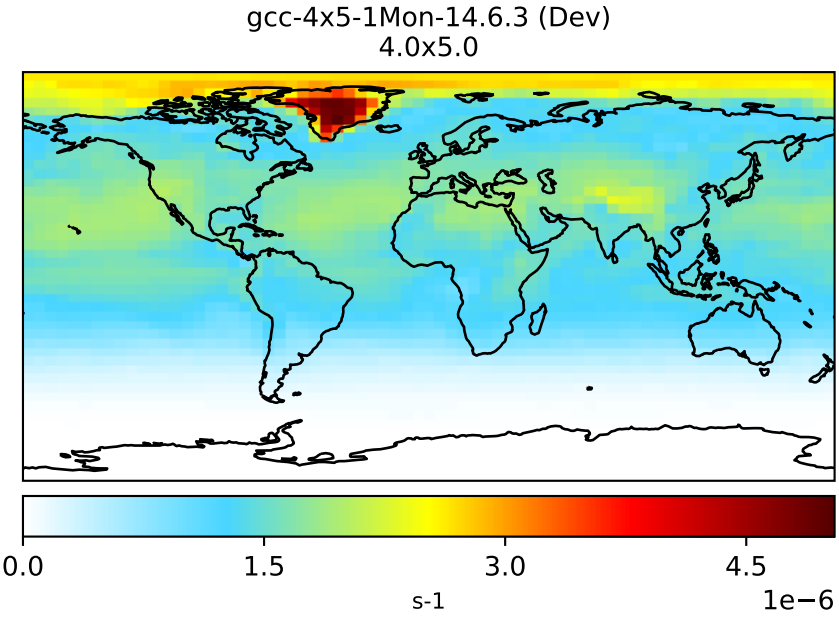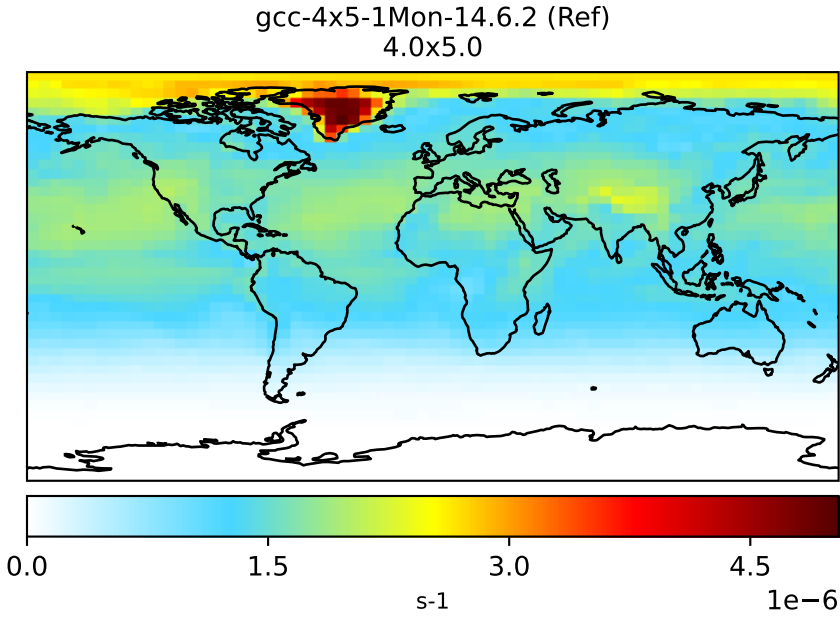s-1

Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

Ref and Dev equal throughout domain
unitless

Jval_CFC12

gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0

gcc-4x5-1Mon-14.6.3 (Dev)
4.0x5.0

s-1

s-1

Difference
Dev - Ref, Dynamic Range

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

Zero throughout domain
s-1

Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

Ref and Dev equal throughout domain
unitless
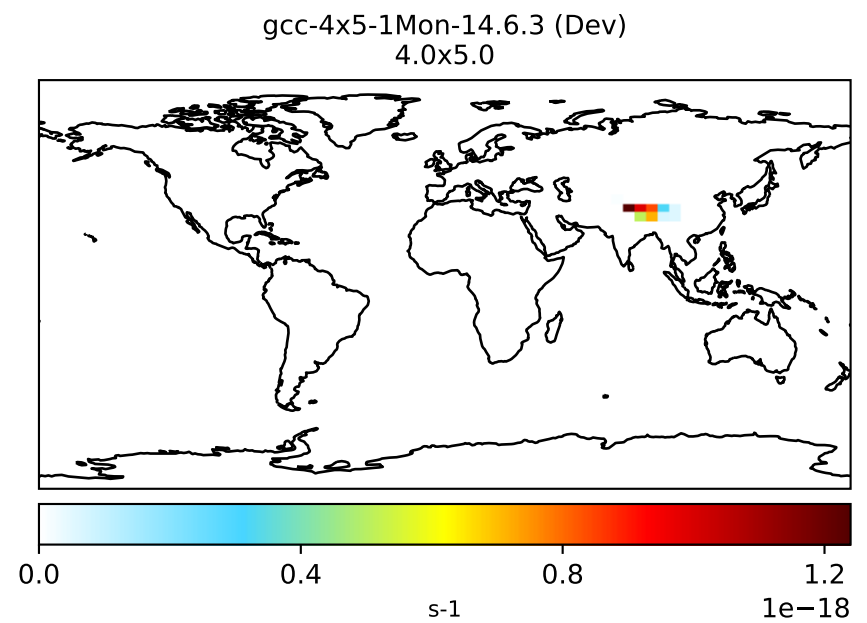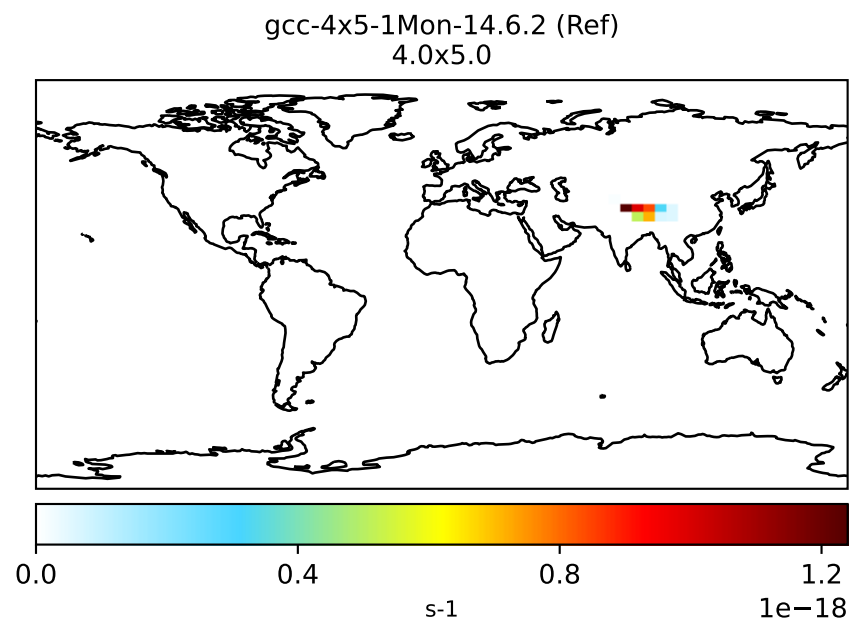
Jval_CH2Br2

Jval_CH2Cl2
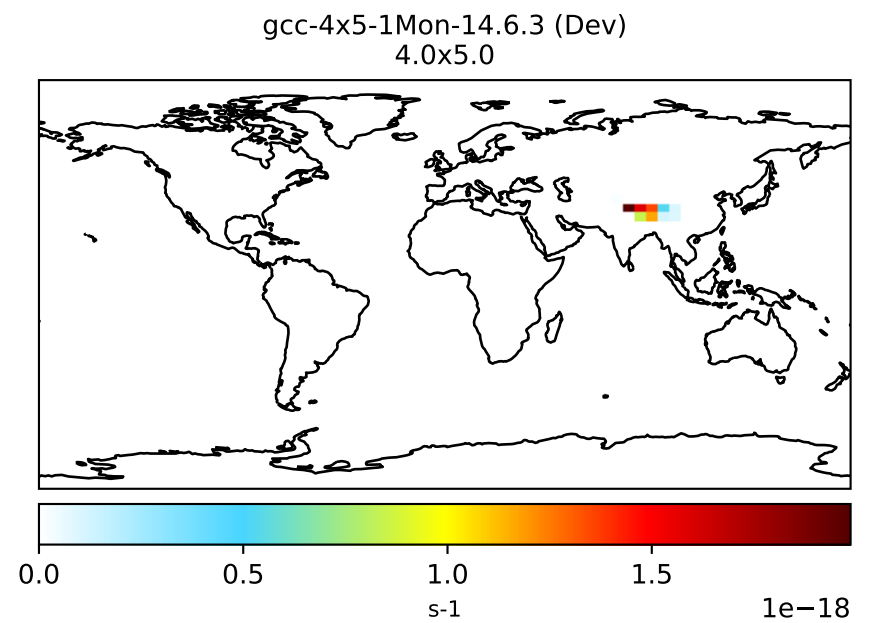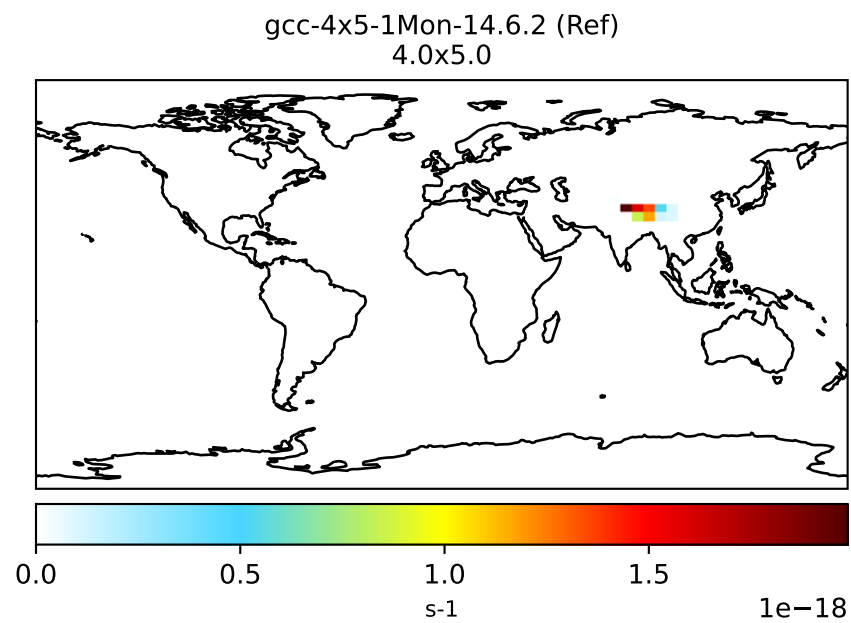
Jval_CH2I2

gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0

gcc-4x5-1Mon-14.6.3 (Dev)
4.0x5.0

s-1

s-1

Difference
Dev - Ref, Dynamic Range

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

Zero throughout domain
s-1

Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

Ref and Dev equal throughout domain
unitless

Jval_CH2IBr

gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0

gcc-4x5-1Mon-14.6.3 (Dev)
4.0x5.0

s-1

s-1

Difference
Dev - Ref, Dynamic Range

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

Zero throughout domain
s-1

Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
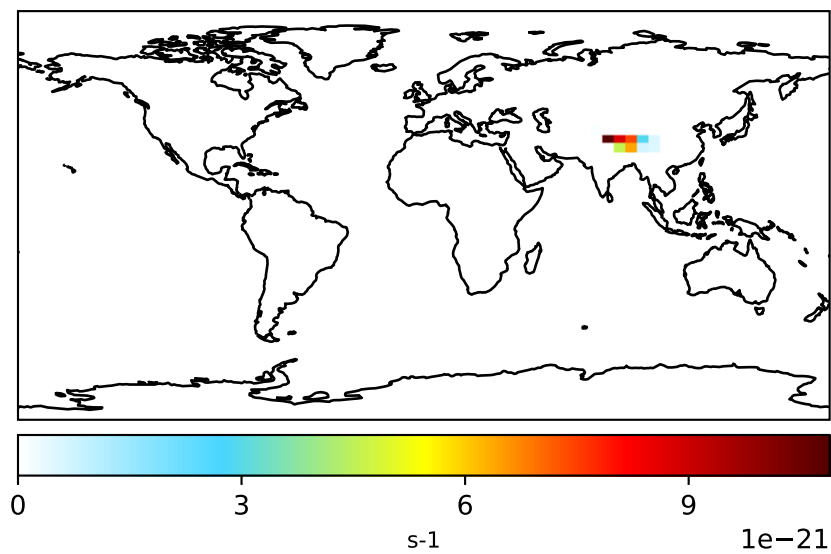unitless

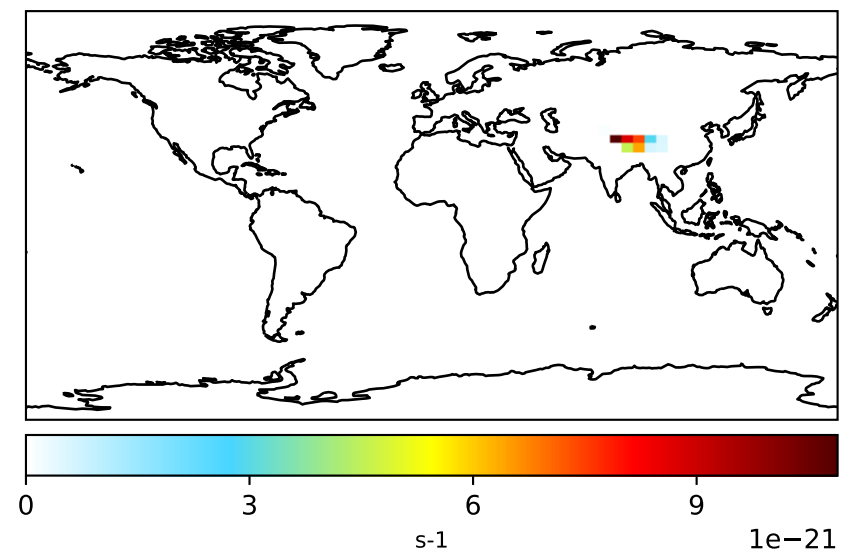Ref and Dev equal throughout domain
unitless

Jval_CH2ICl
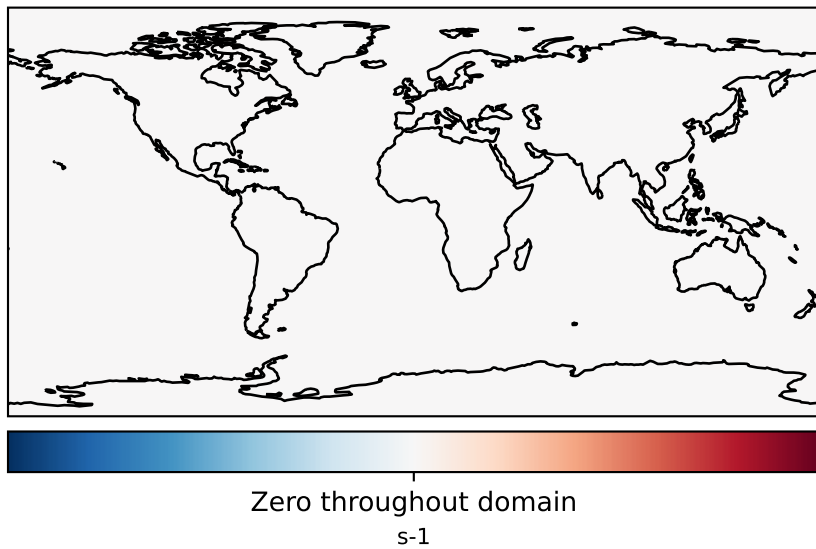

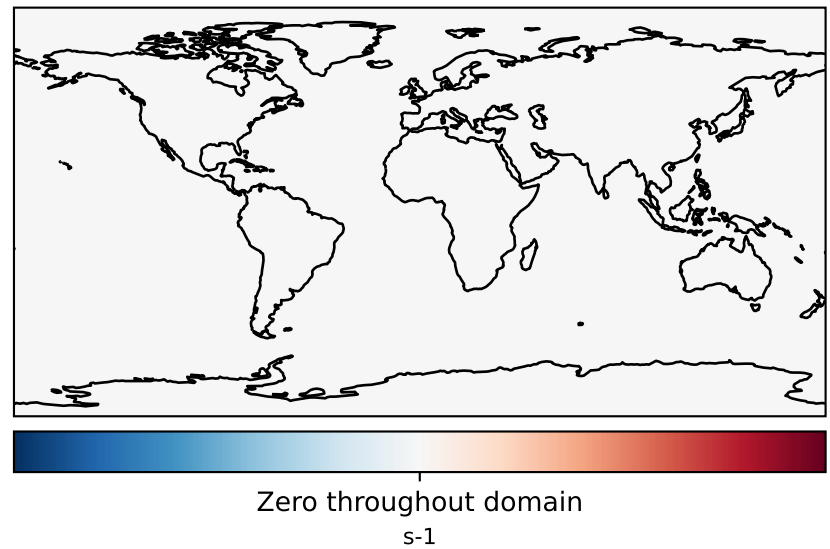gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0
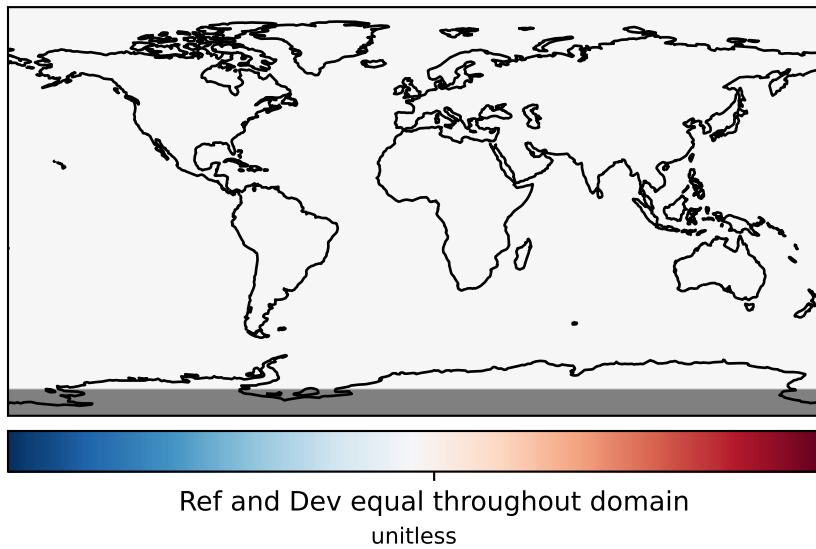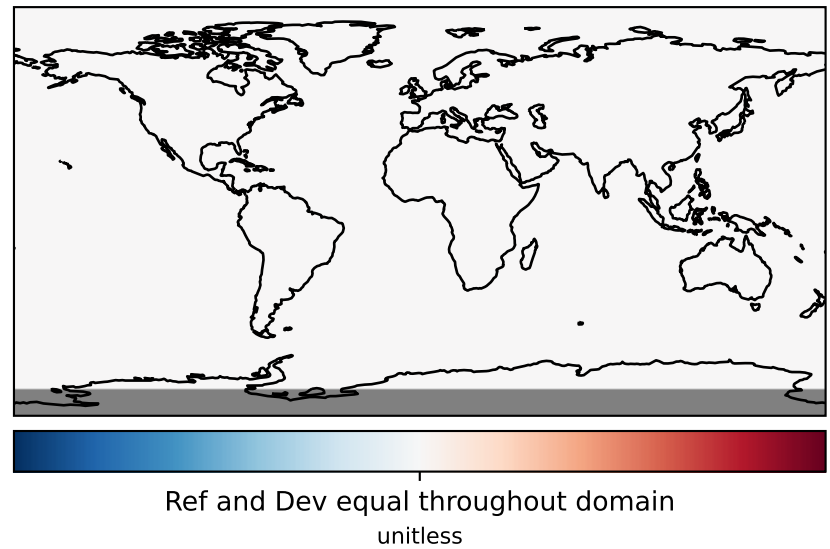
gcc-4x5-1Mon-14.6.3 (Dev)
4.0x5.0

Difference
Dev - Ref, Dynamic Range
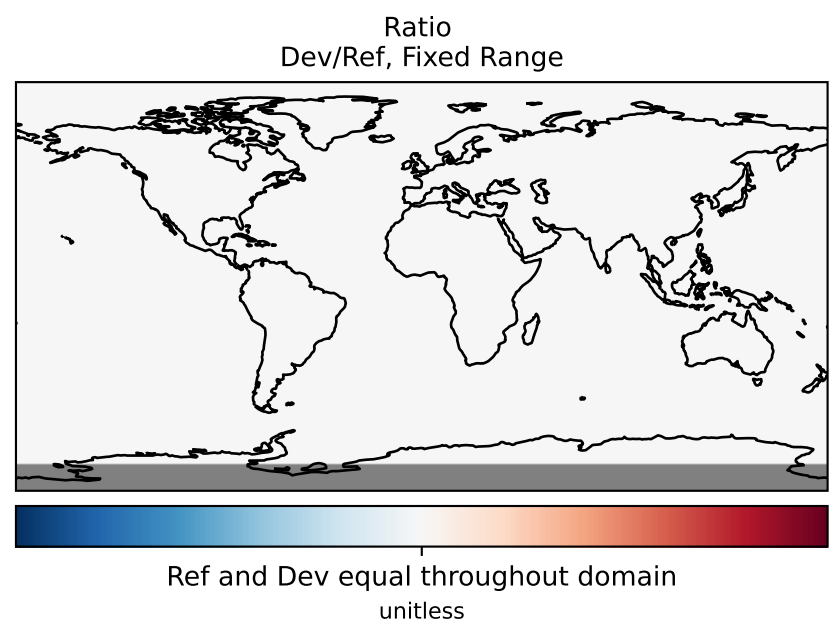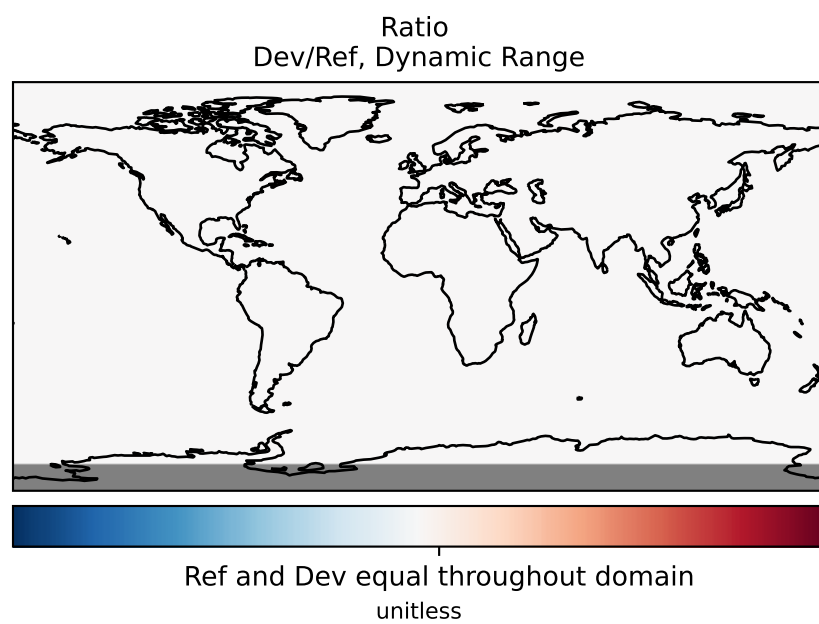
Difference
Dev - Ref, Restricted Range [5%,95%]
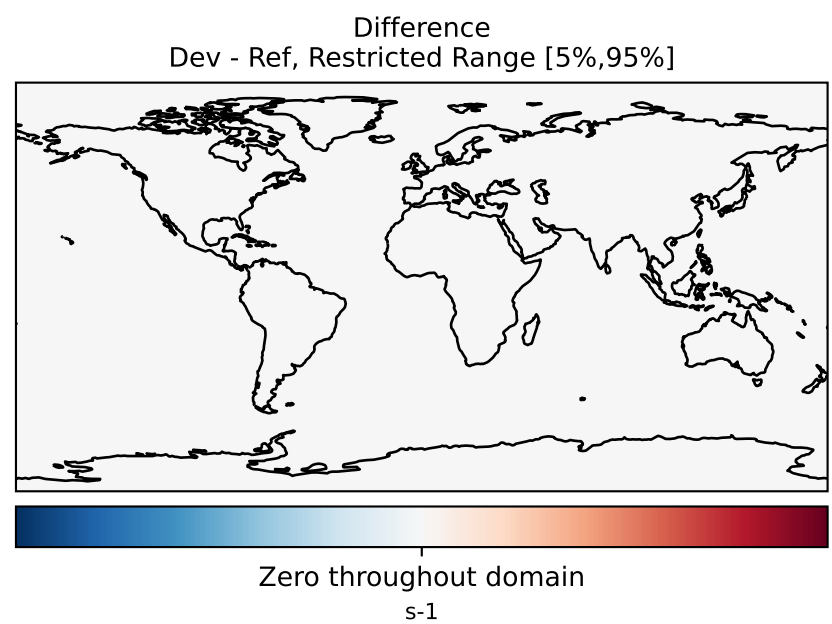
Zero throughout domain
s-1

Zero throughout domain
s-1
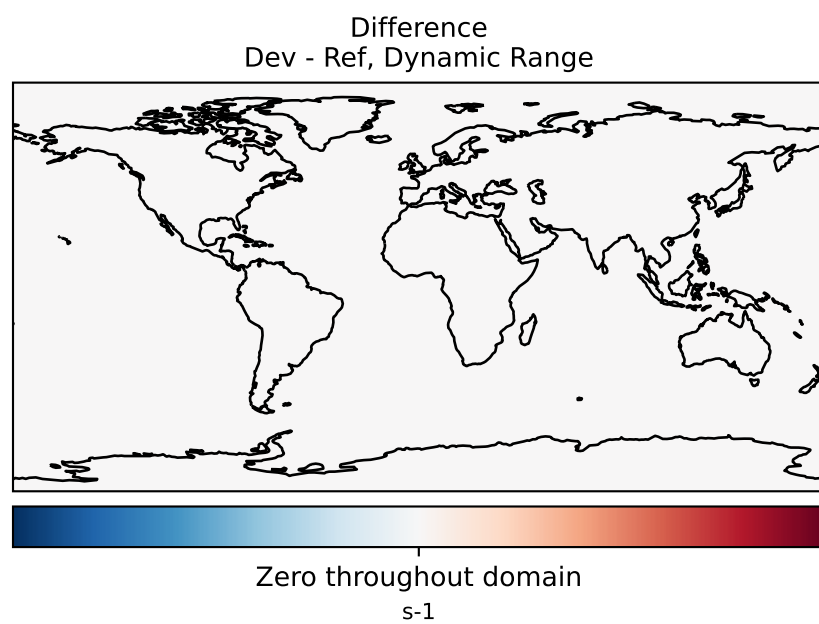
Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

Ref and Dev equal throughout domain
unitless

Jval_CH2O

gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0

gcc-4x5-1Mon-14.6.3 (Dev)
4.0x5.0

s-1

s-1

Difference
Dev - Ref, Dynamic Range

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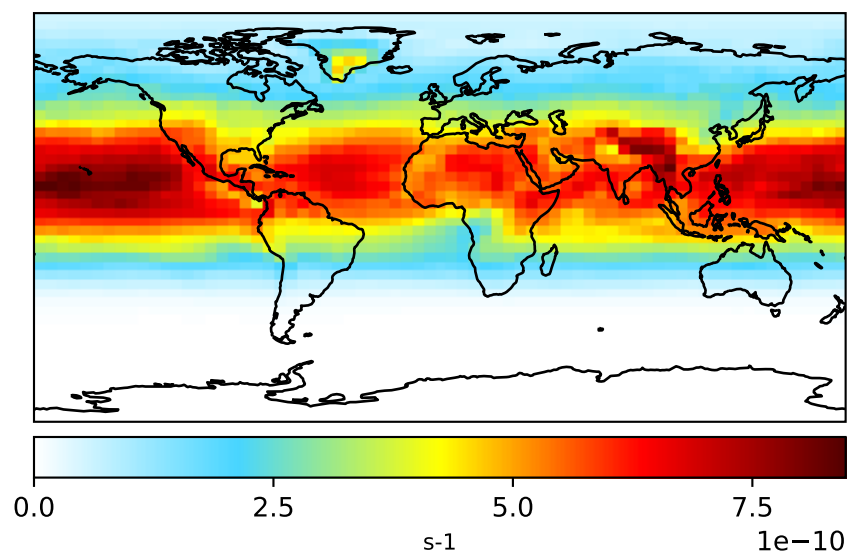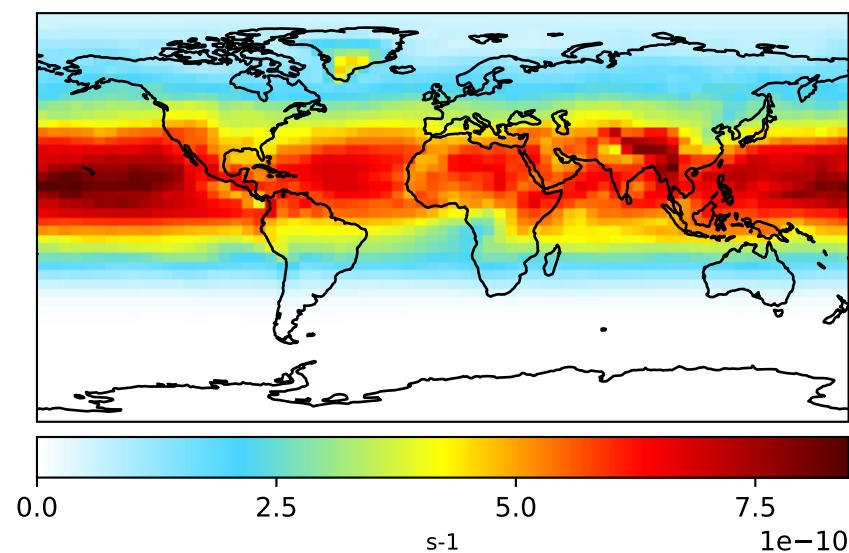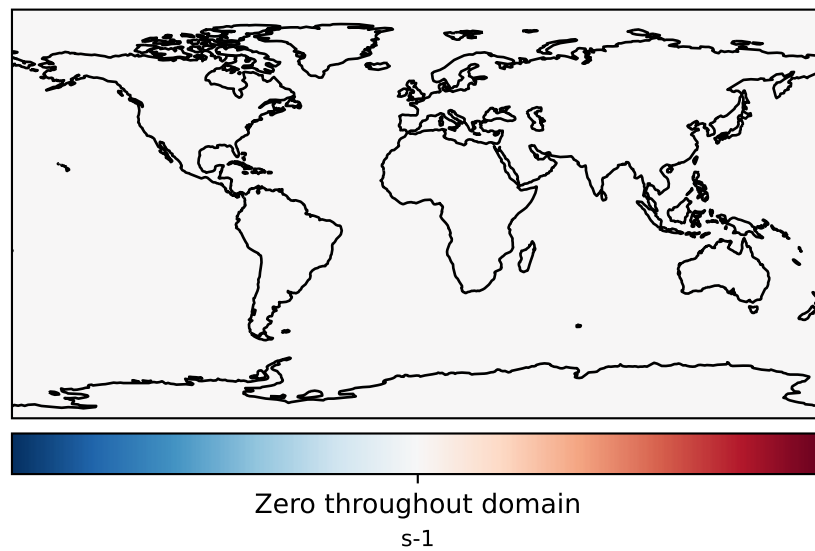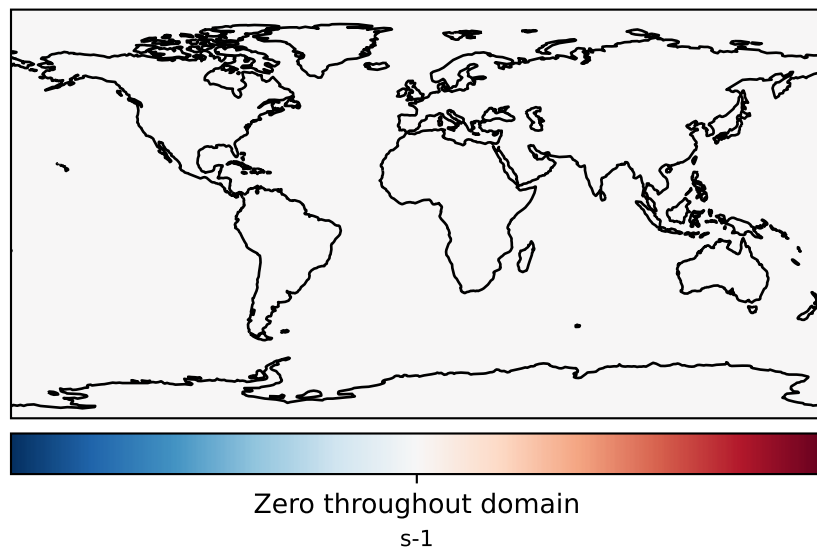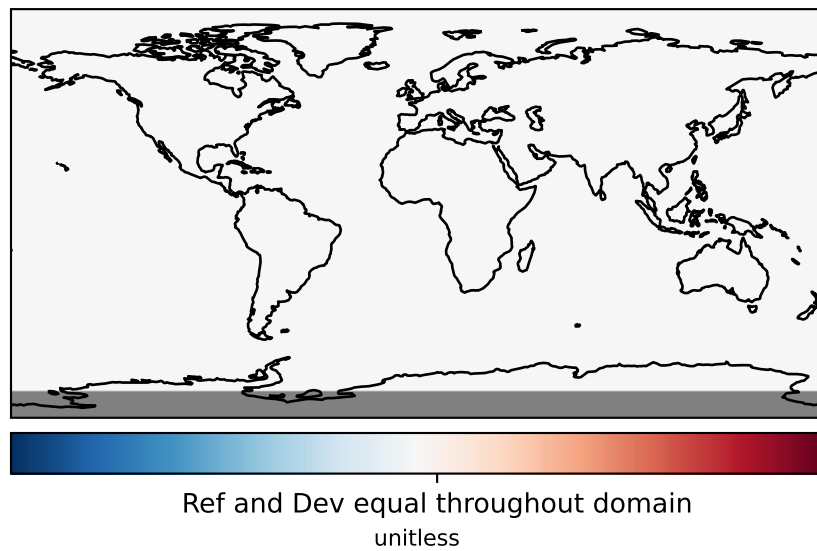Dev - Ref, Restricted Range [5%,95%]

Zero throughout domain
s-1

Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

Ref and Dev equal throughout domain
unitless
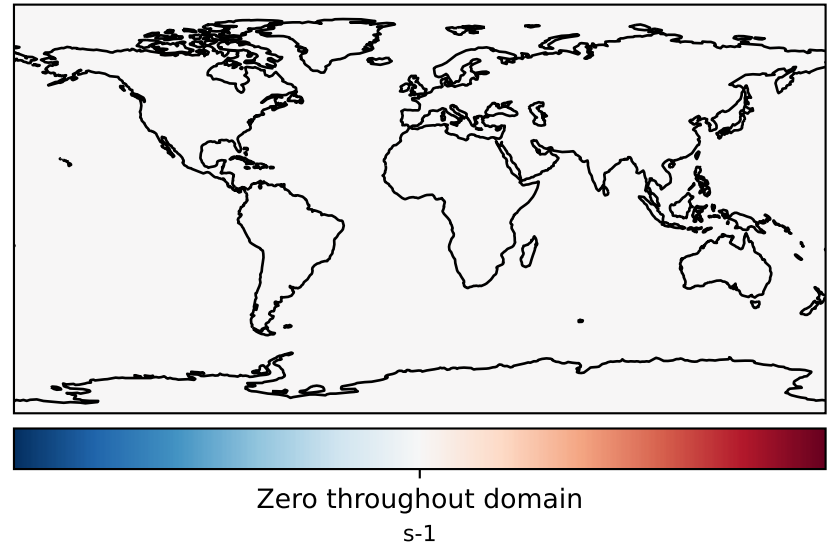
Jval_CH3Br

gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0

gcc-4x5-1Mon-14.6.3 (Dev)
4.0x5.0

s-1   1e−14
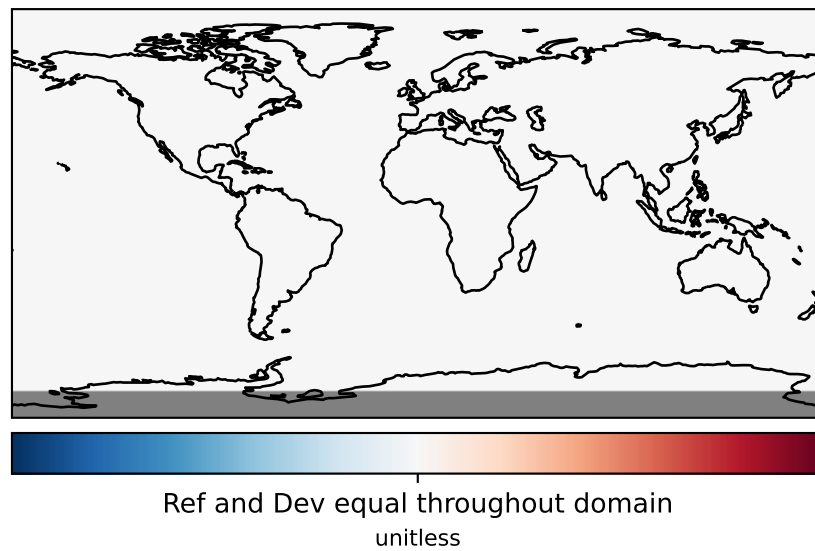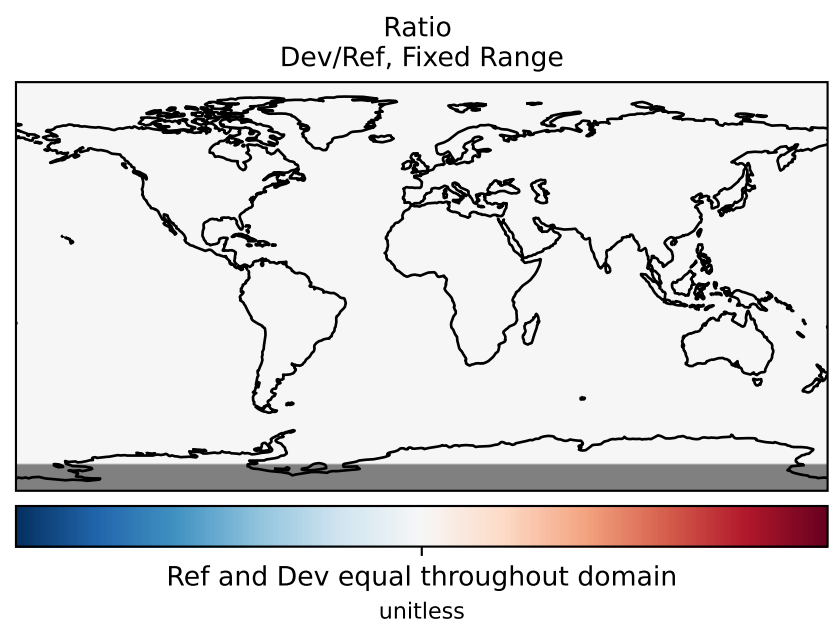
s-1   1e−14

Difference
Dev - Ref, Dynamic Range

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

Zero throughout domain
s-1

Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

Ref and Dev equal throughout domain
unitless

Jval_CH3CCl3

gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0

gcc-4x5-1Mon-14.6.3 (Dev)
4.0x5.0

Difference
Dev - Ref, Dynamic Range

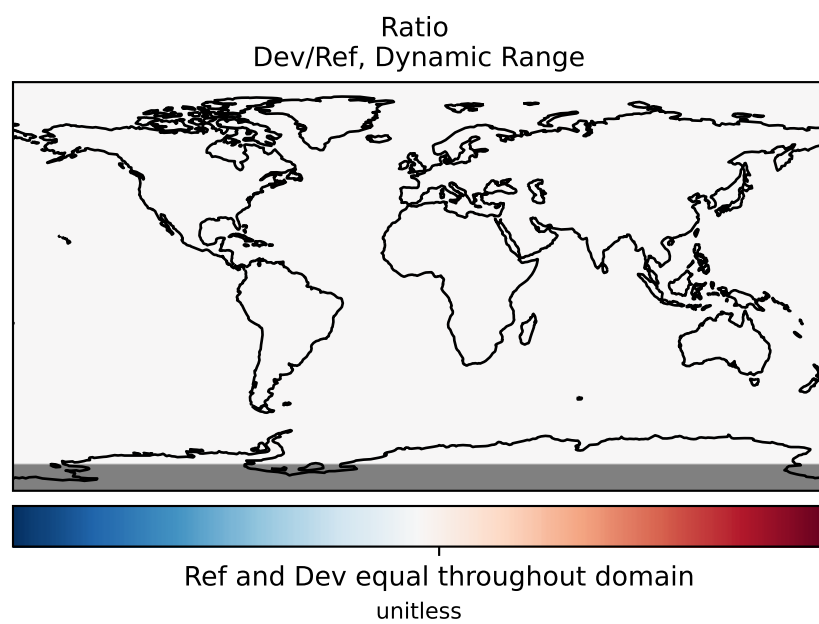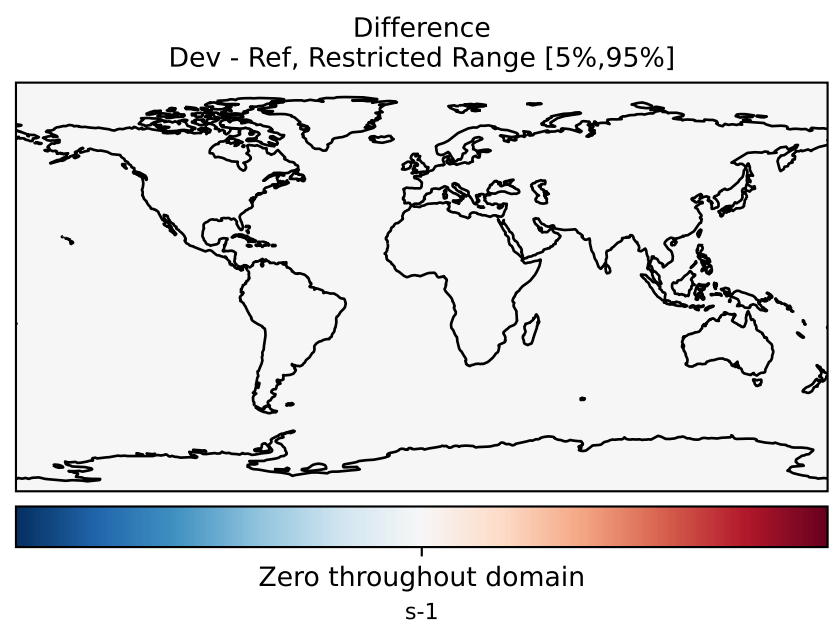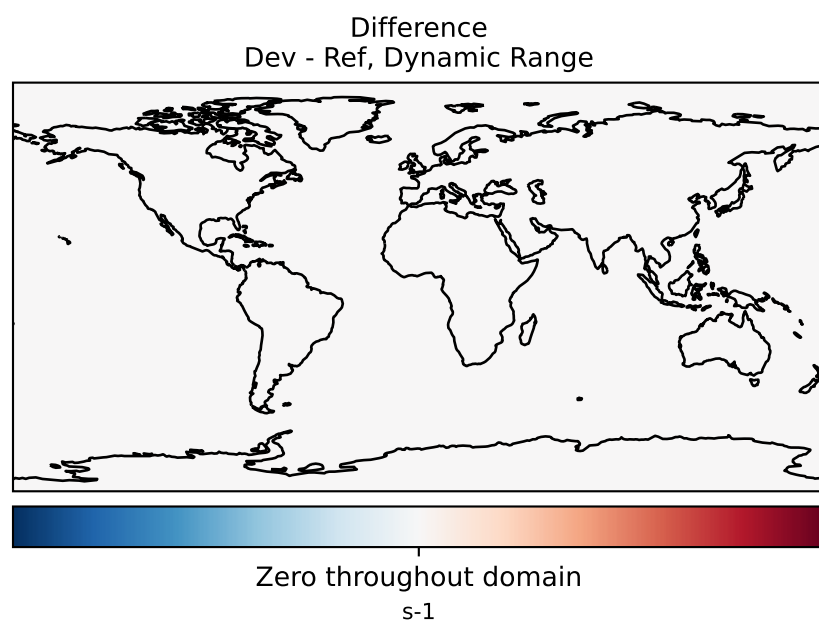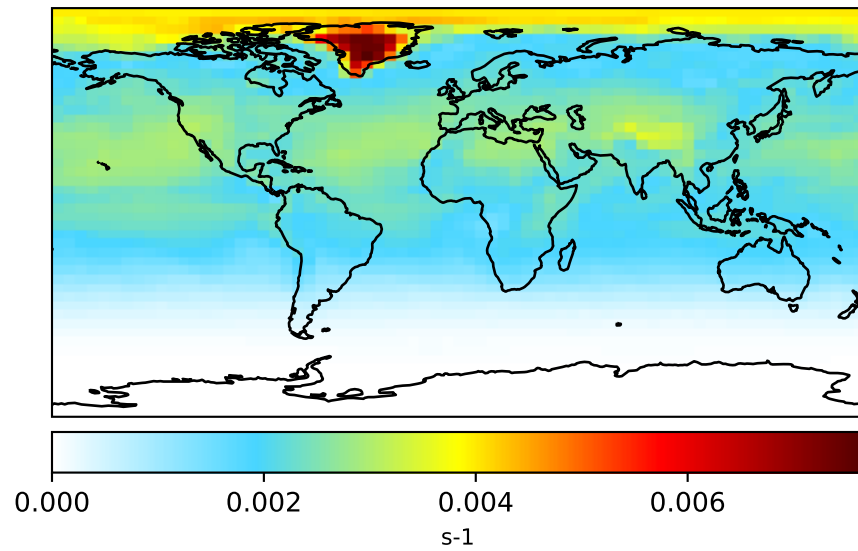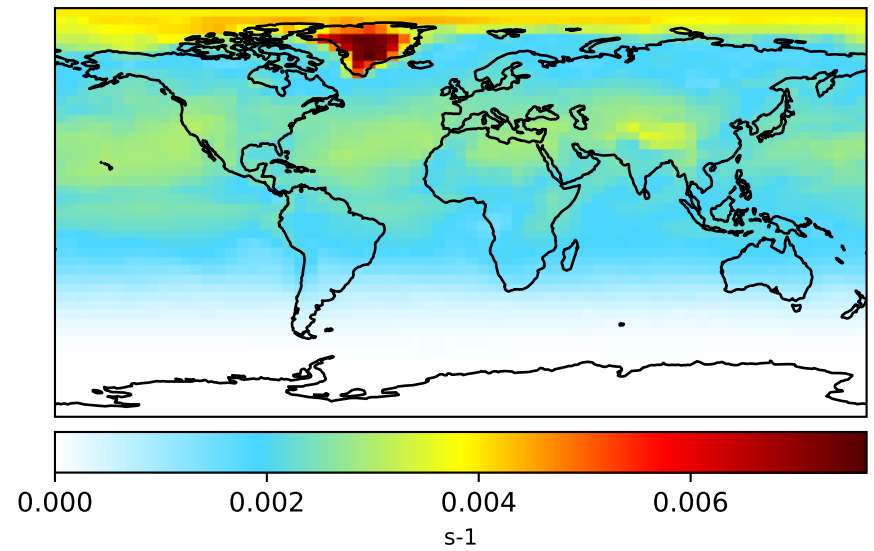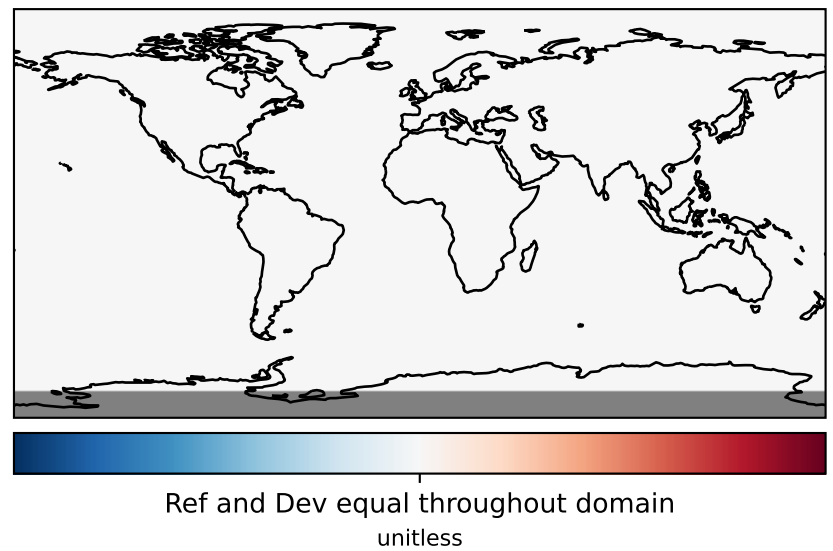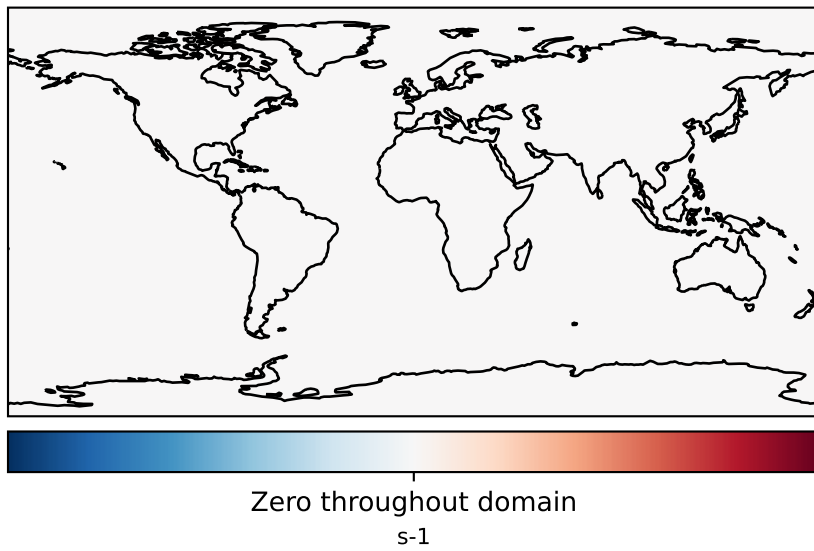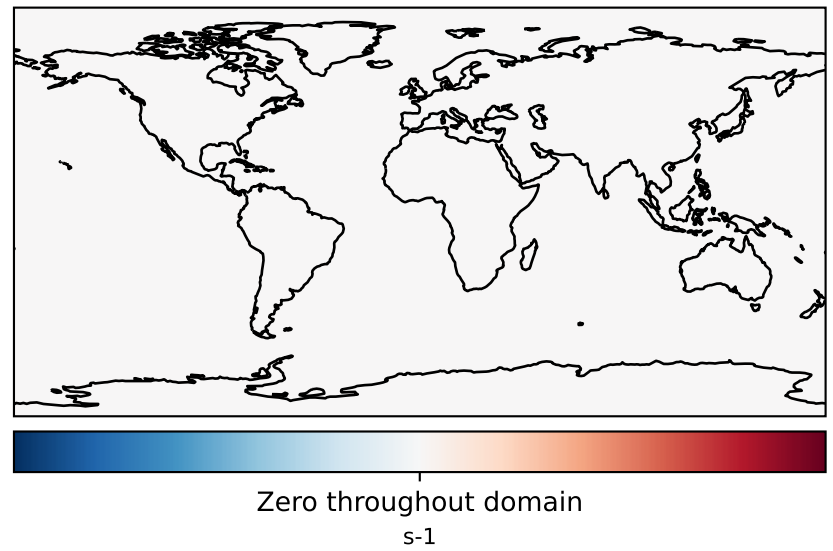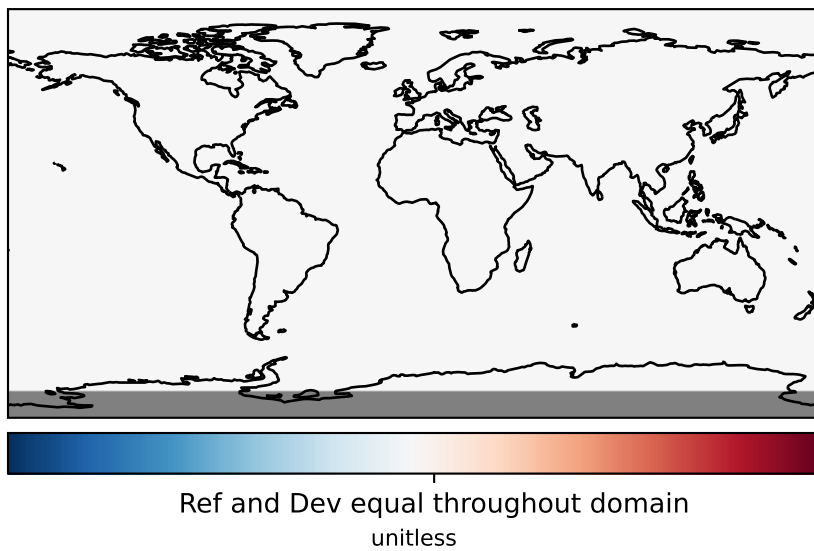Difference
Dev - Ref, Restricted Range [5%,95%]

Zero throughout domain
s-1
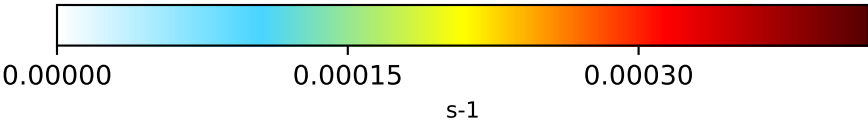
Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

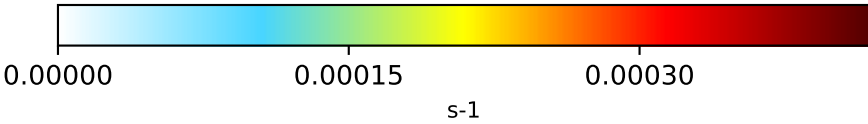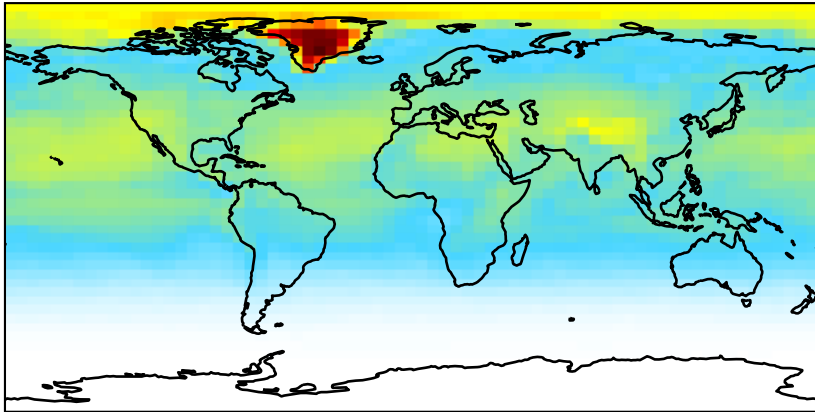Ref and Dev equal throughout domain
unitless

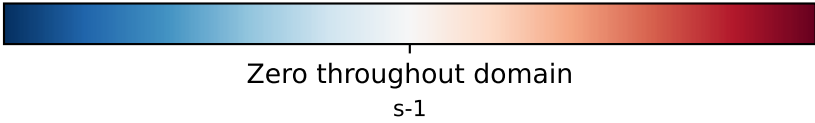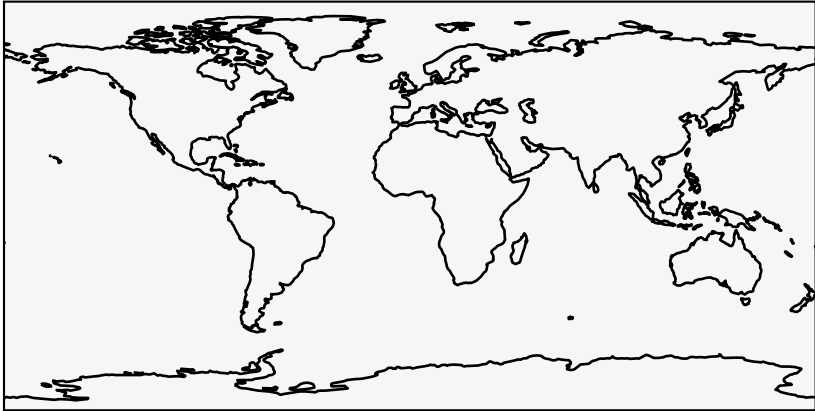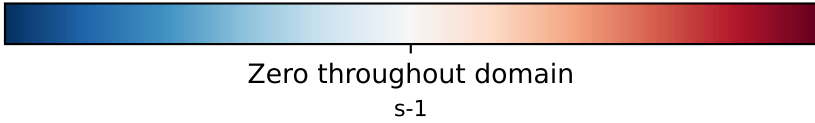Ref and Dev equal throughout domain
unitless

Jval_CH3Cl

gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0

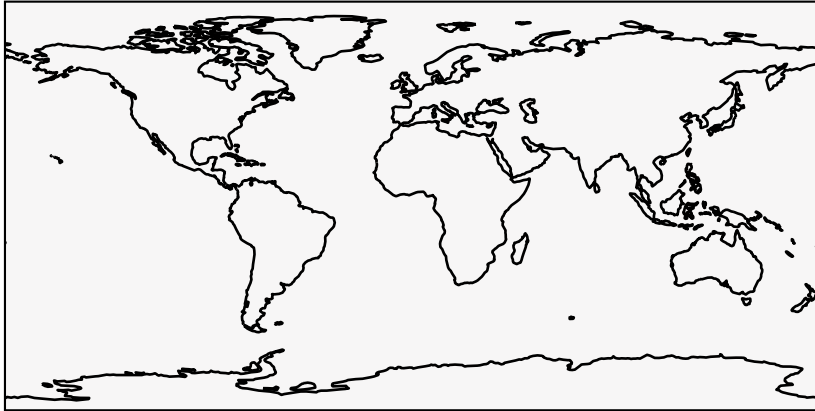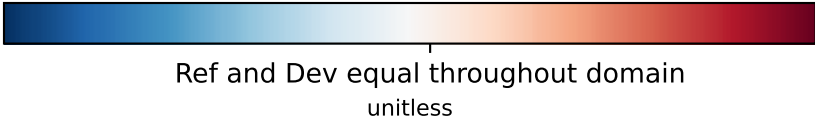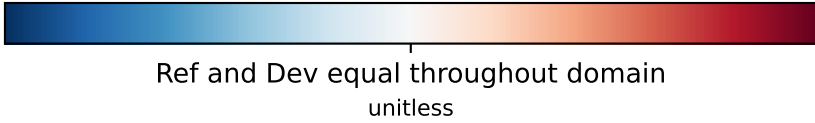gcc-4x5-1Mon-14.6.3 (Dev)
4.0x5.0

s-1

s-1

Difference
Dev - Ref, Dynamic Range

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

Zero throughout domain
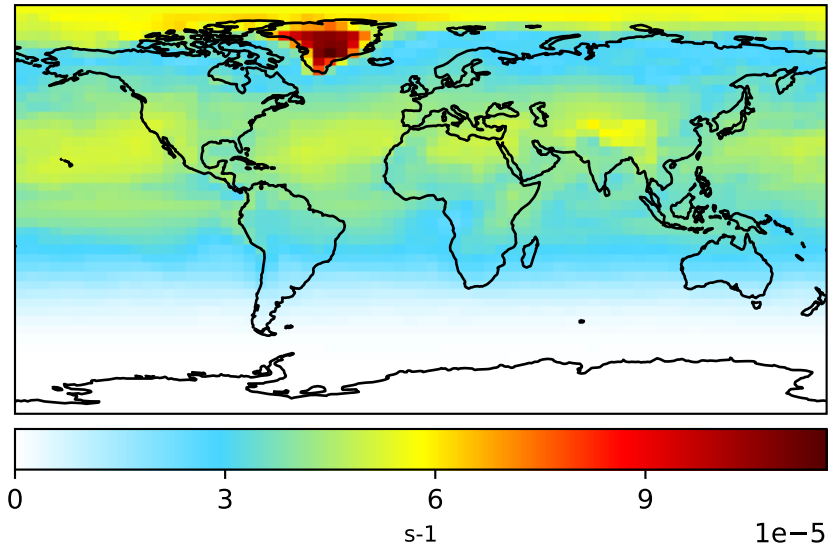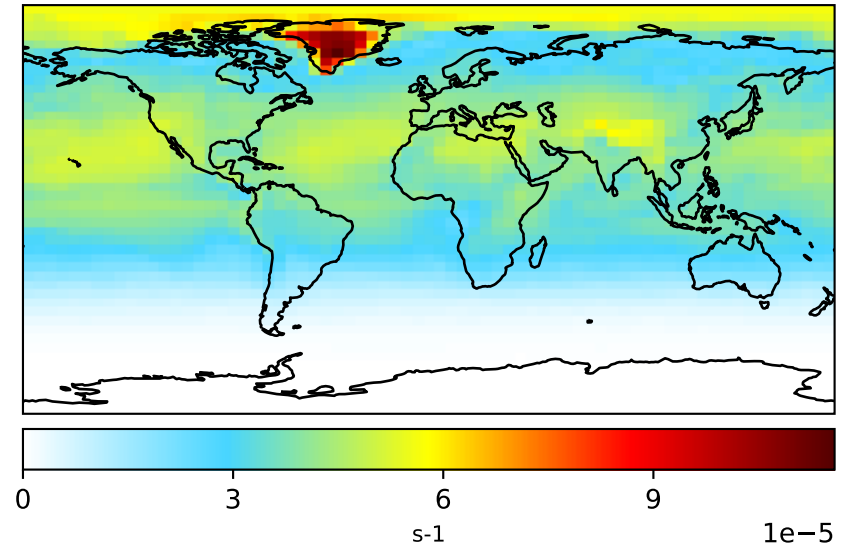s-1

Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

Ref and Dev equal throughout domain
unitless

Jval_CH3I

gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0

gcc-4x5-1Mon-14.6.3 (Dev)
4.0x5.0

s-1

1e−6

s-1

1e−6

Difference
Dev - Ref, Dynamic Range

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

Zero throughout domain
s-1

Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

Ref and Dev equal throughout domain
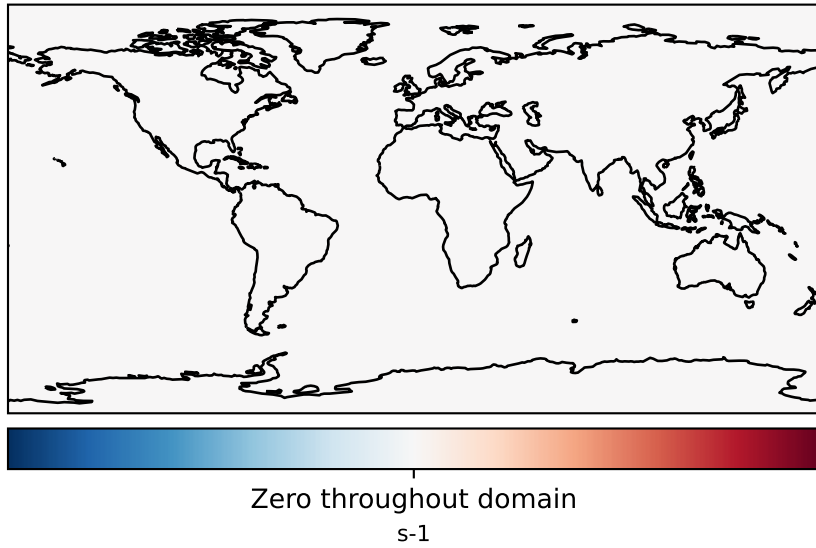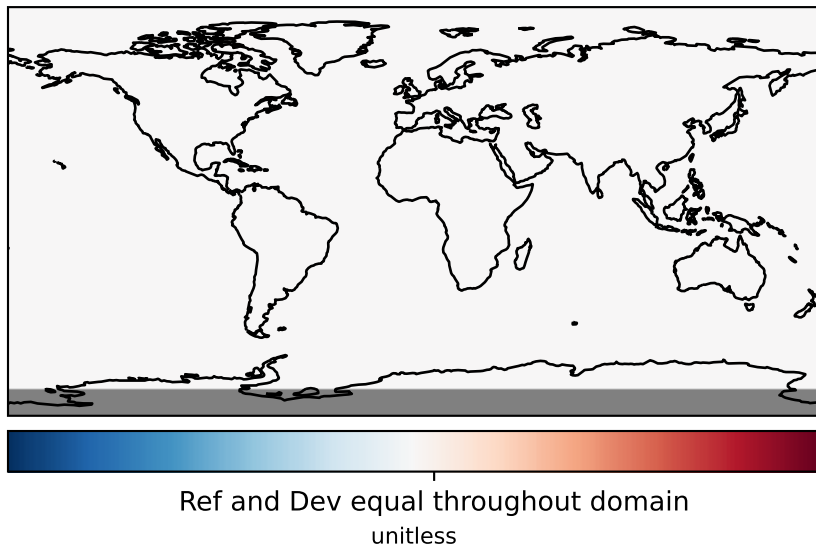unitless

Jval_CHBr3

gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0

gcc-4x5-1Mon-14.6.3 (Dev)
4.0x5.0

s-1

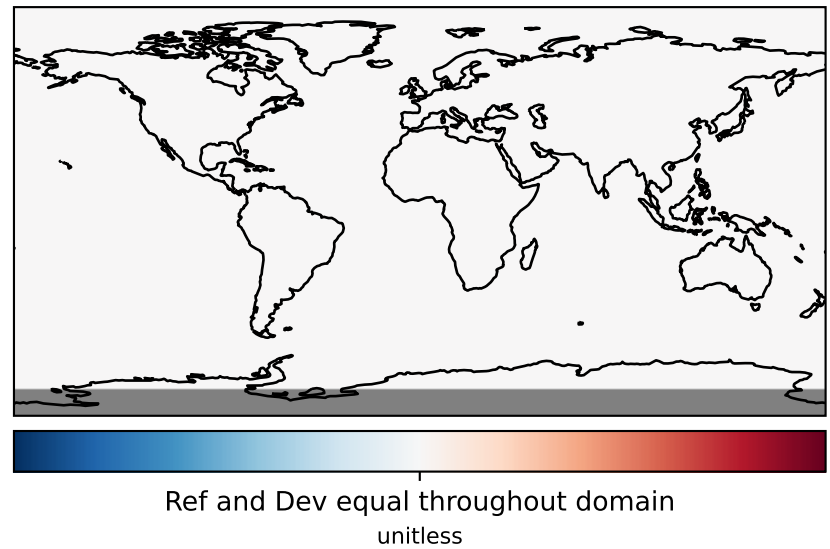s-1

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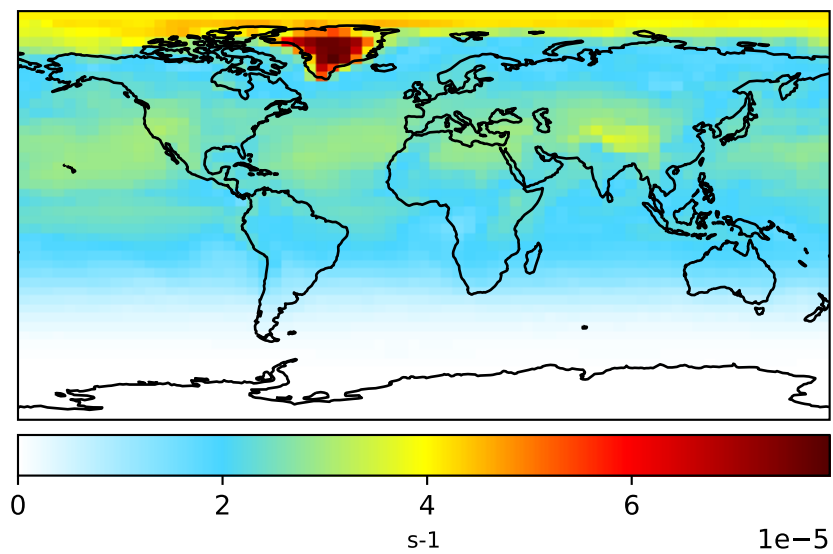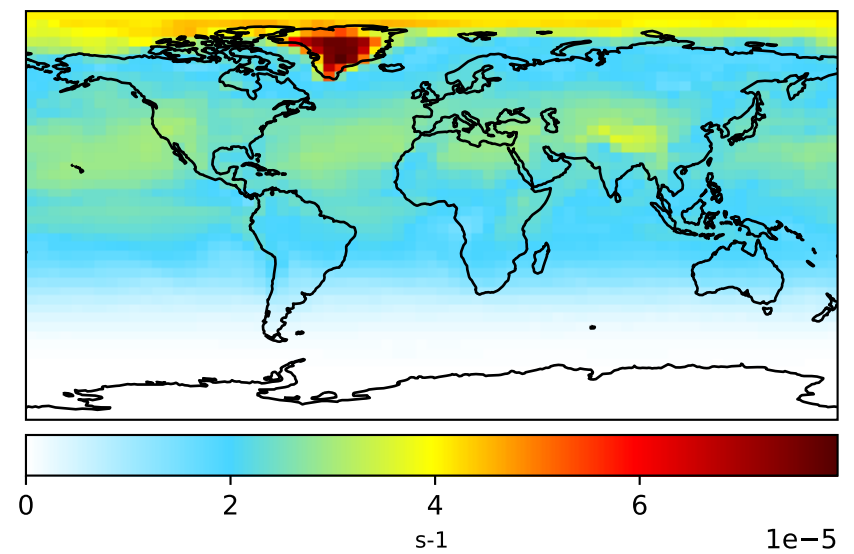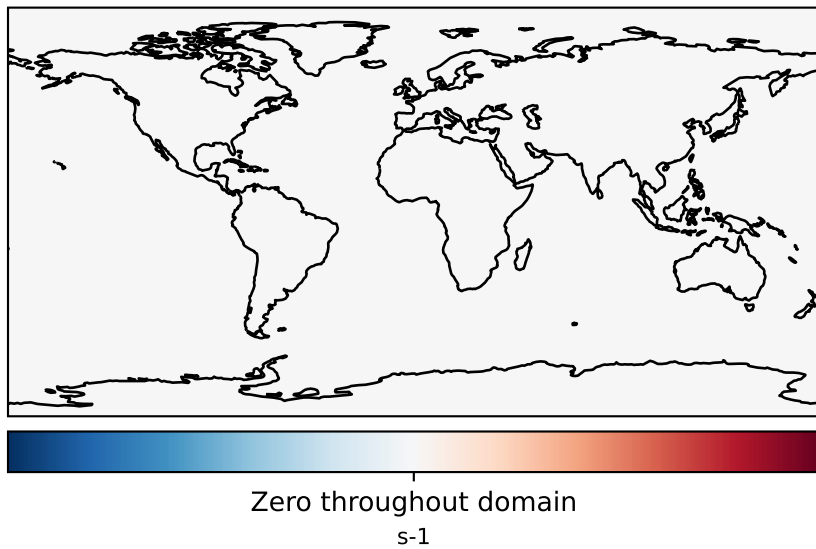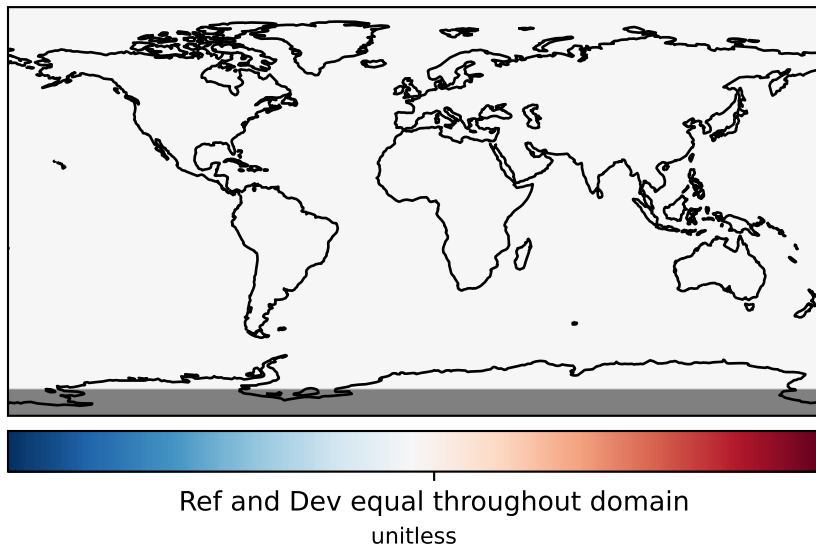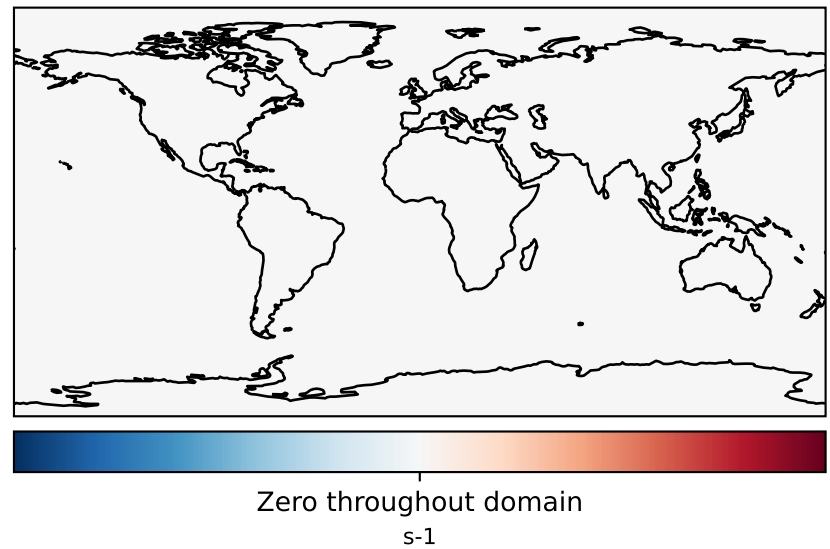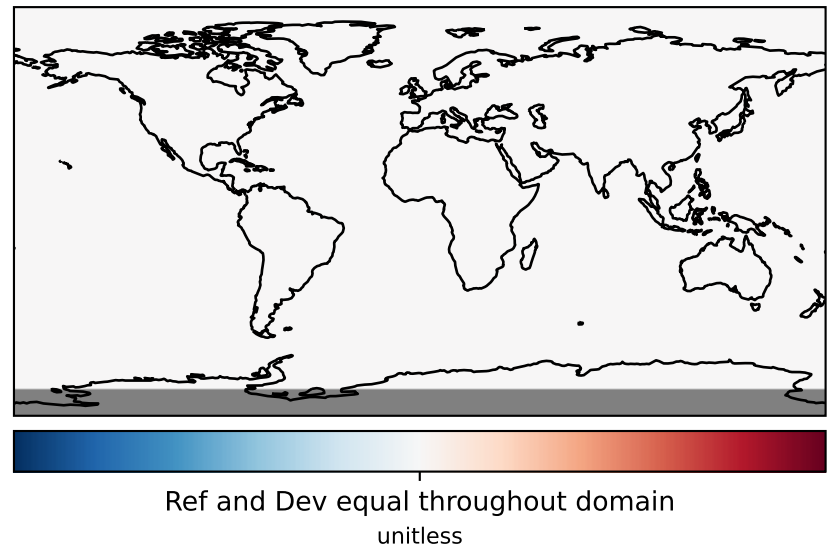
Difference
Dev - Ref, Restricted Range [5%,95%]

Zero throughout domain
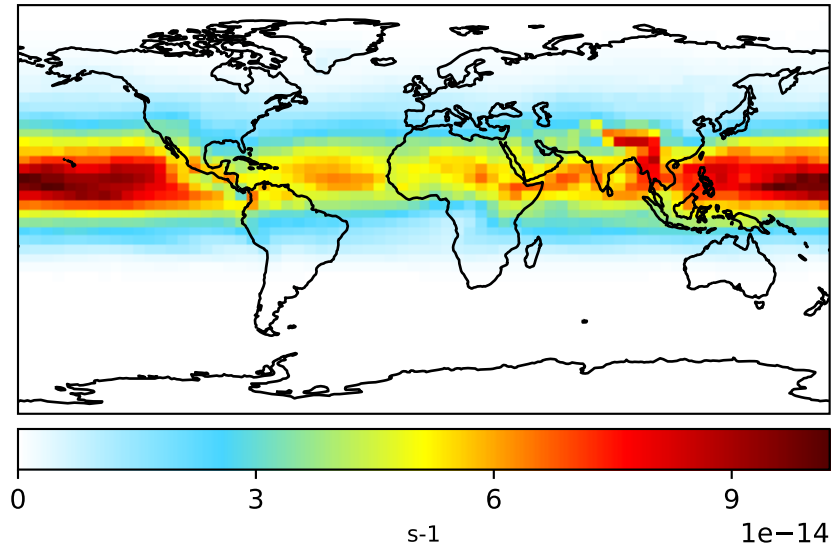s-1

Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

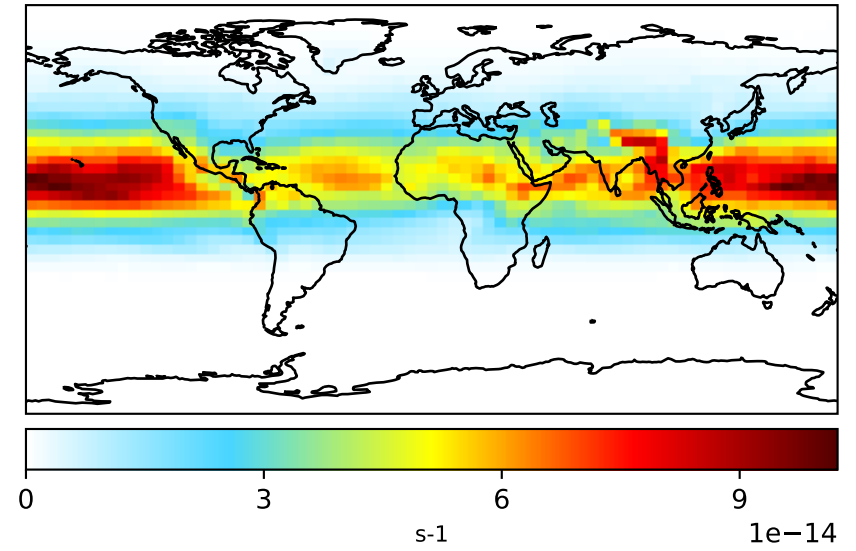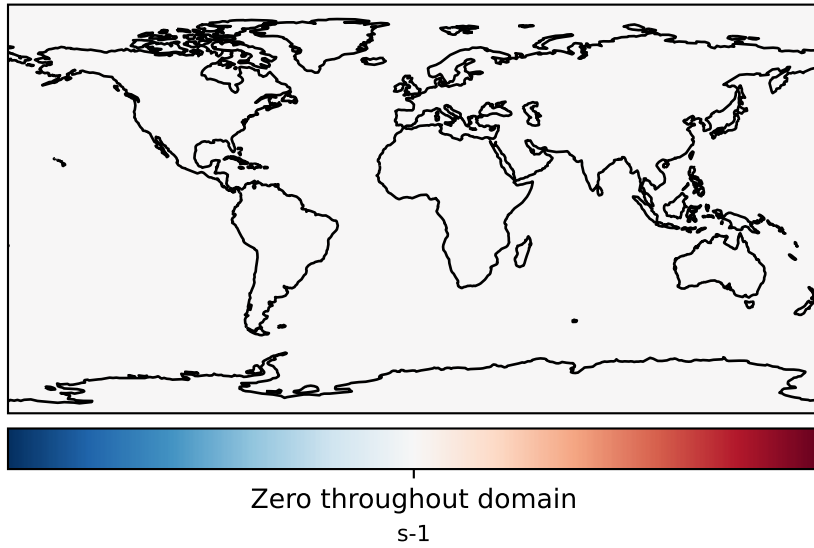Ref and Dev equal throughout domain
unitless

Jval_Cl2

gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0
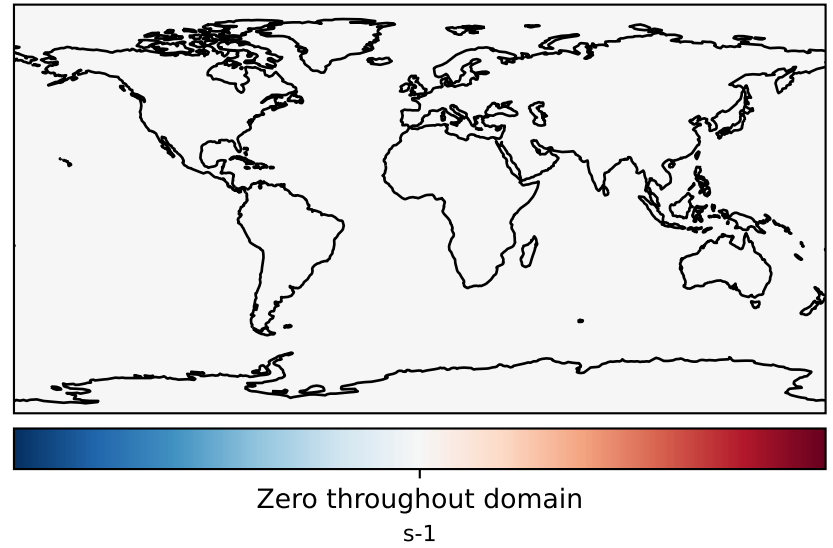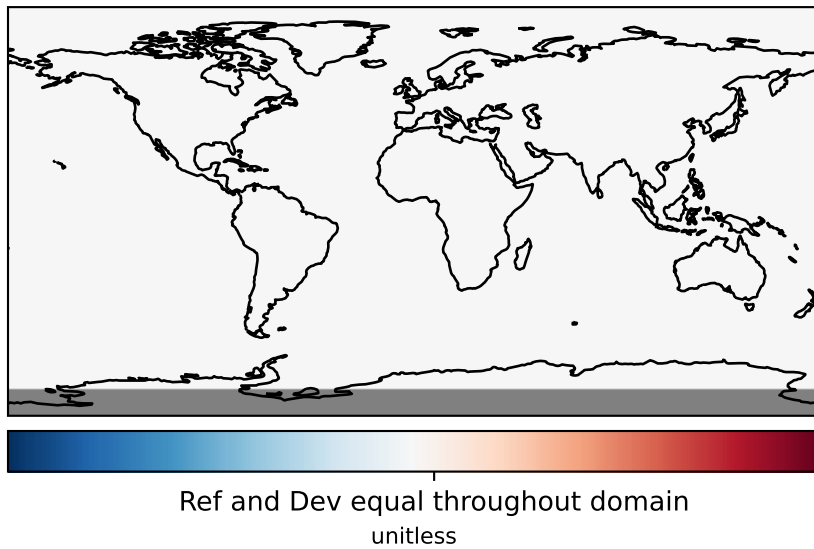
gcc-4x5-1Mon-14.6.3 (Dev)
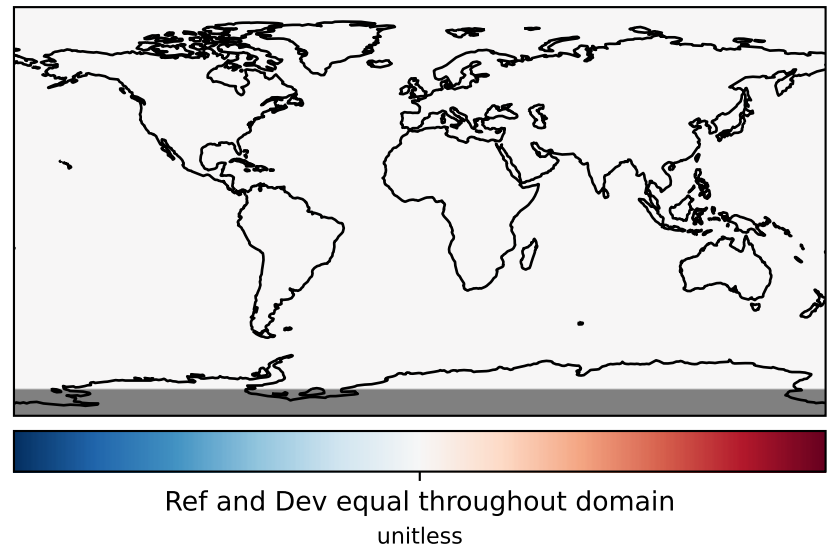4.0x5.0

s-1

s-1

Difference
Dev - Ref, Dynamic Range

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

Zero throughout domain
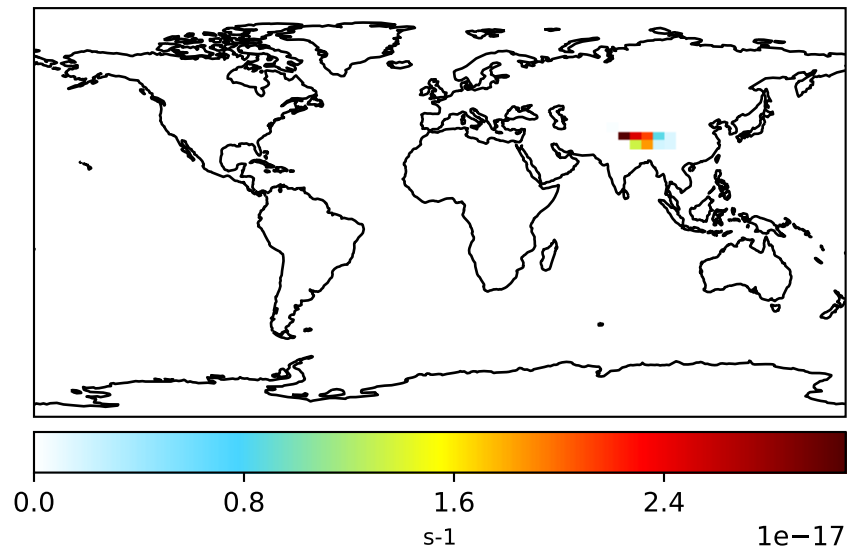s-1

Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

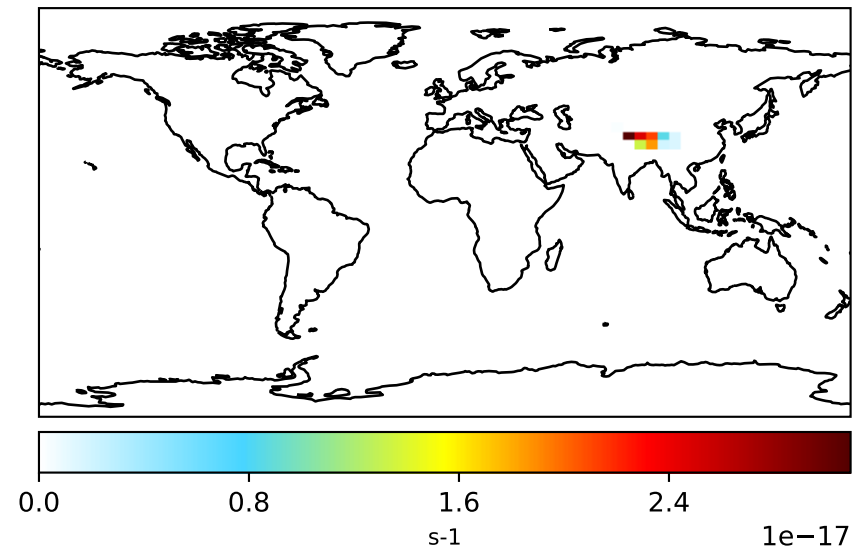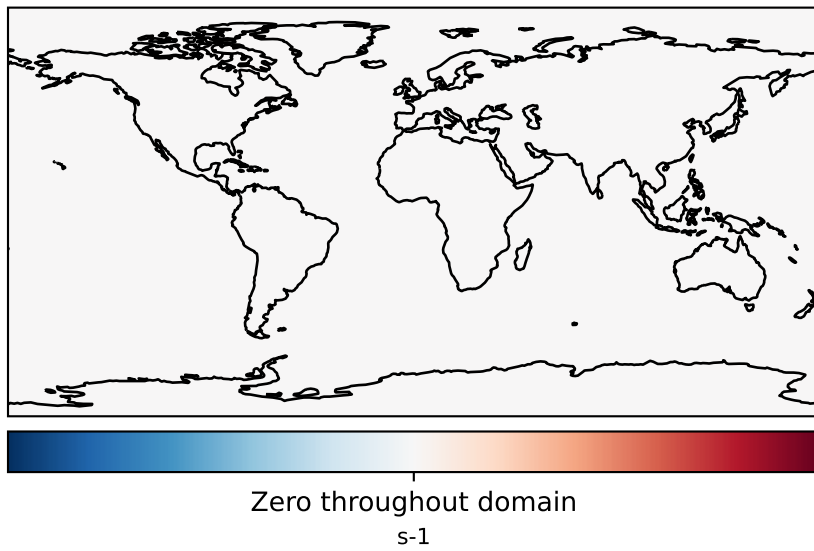Ref and Dev equal throughout domain
unitless

Jval_Cl2O2

gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0
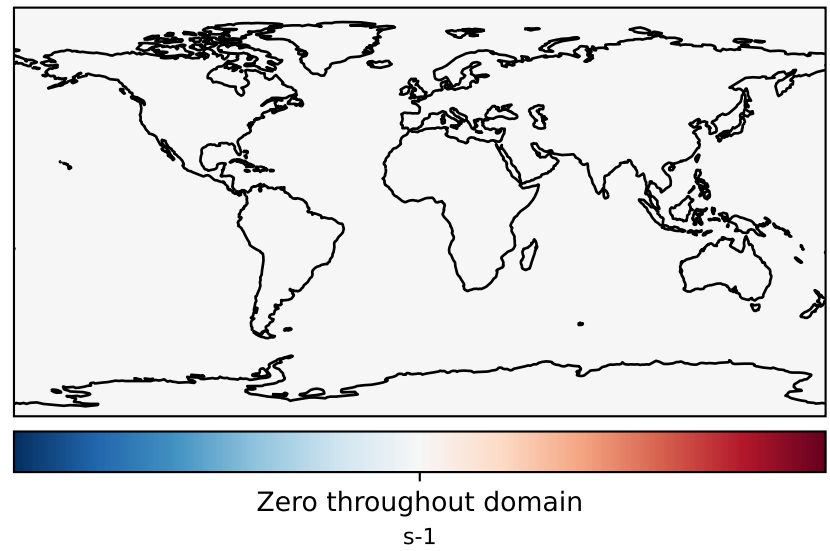
gcc-4x5-1Mon-14.6.3 (Dev)
4.0x5.0

s-1
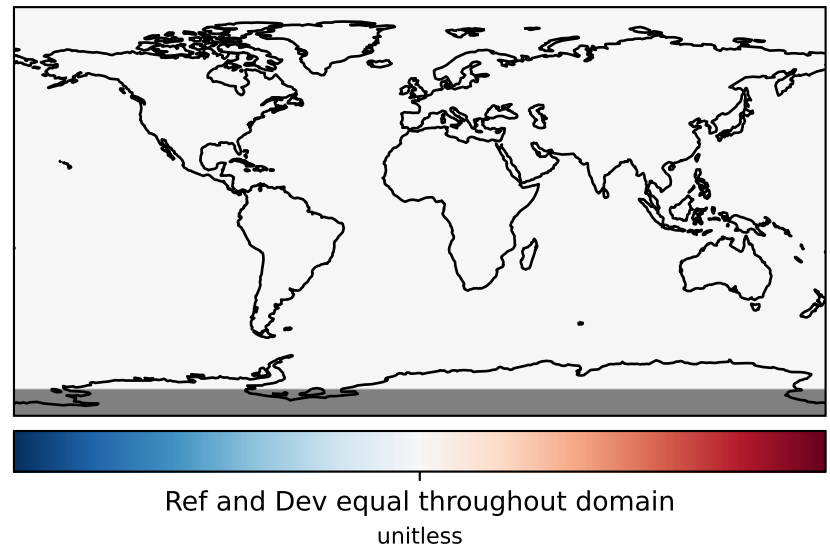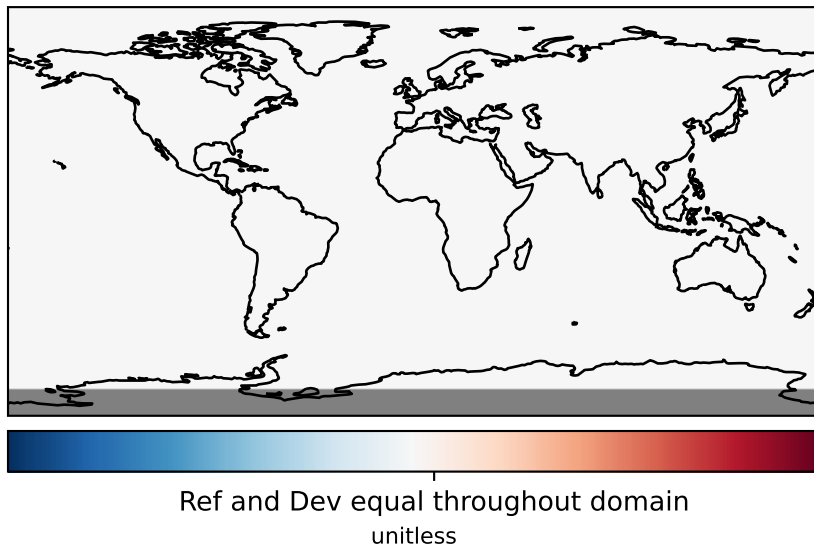
s-1

Difference
Dev - Ref, Dynamic Range

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

Zero throughout domain
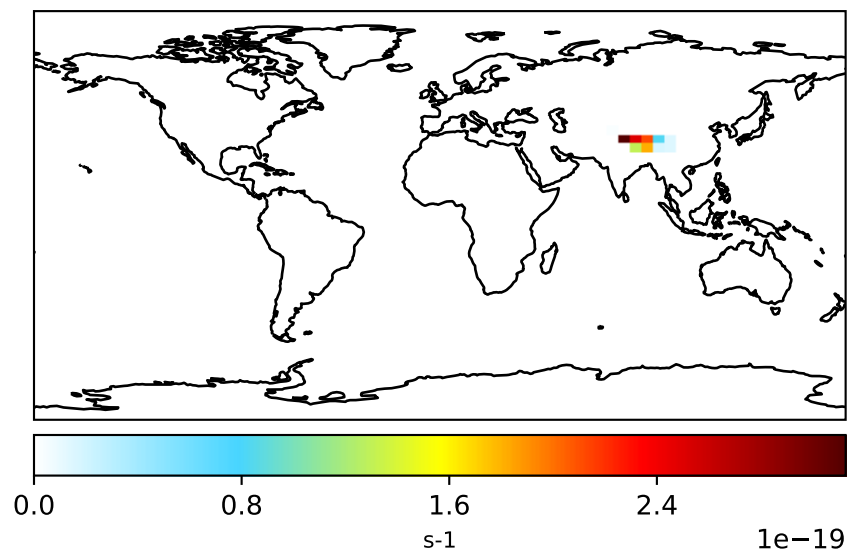s-1

Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

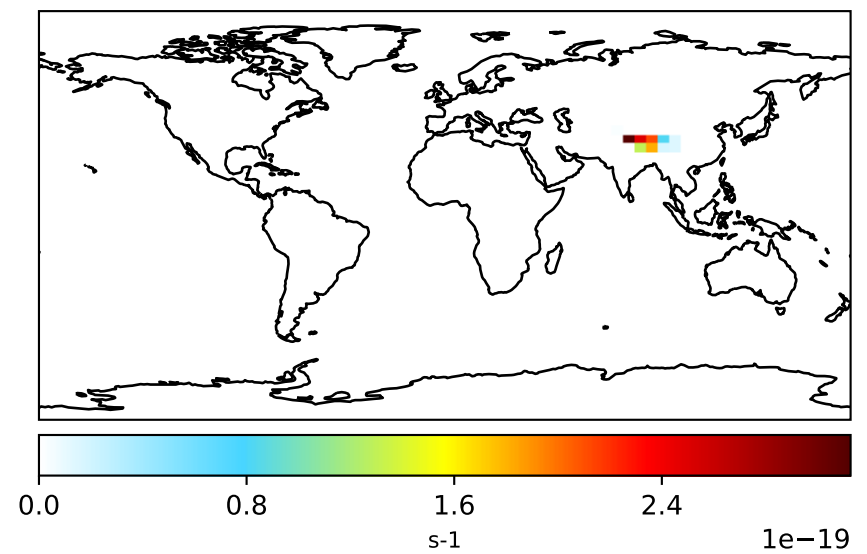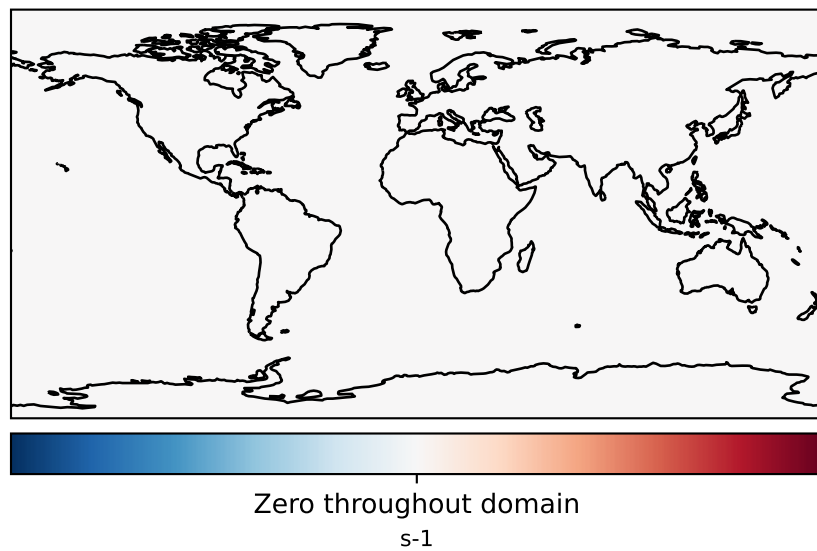Ref and Dev equal throughout domain
unitless

Jval_ClNO2

gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0
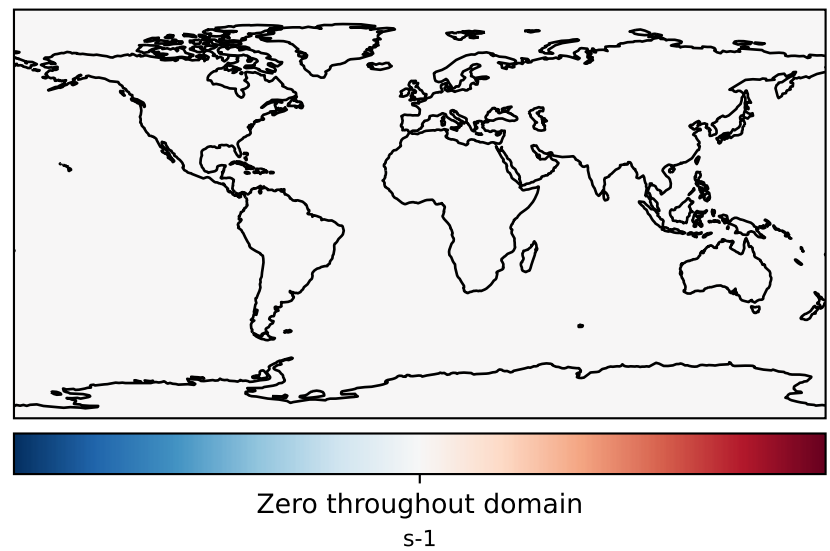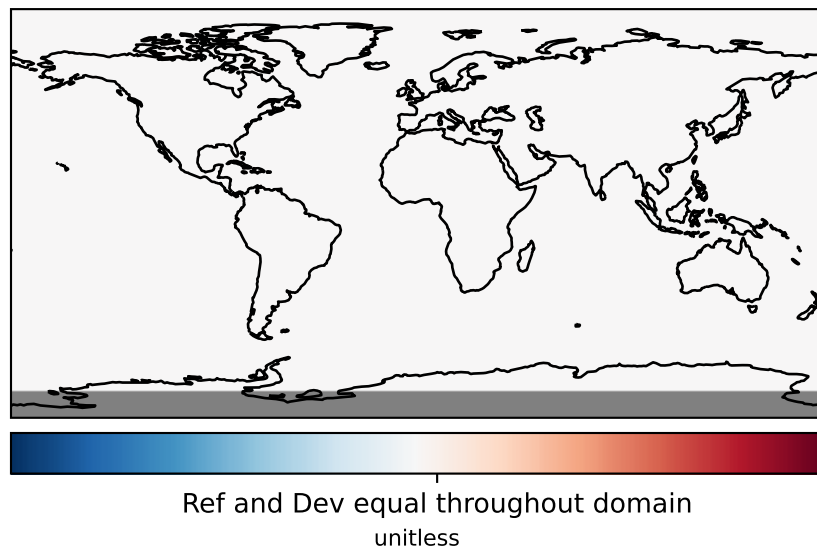
gcc-4x5-1Mon-14.6.3 (Dev)
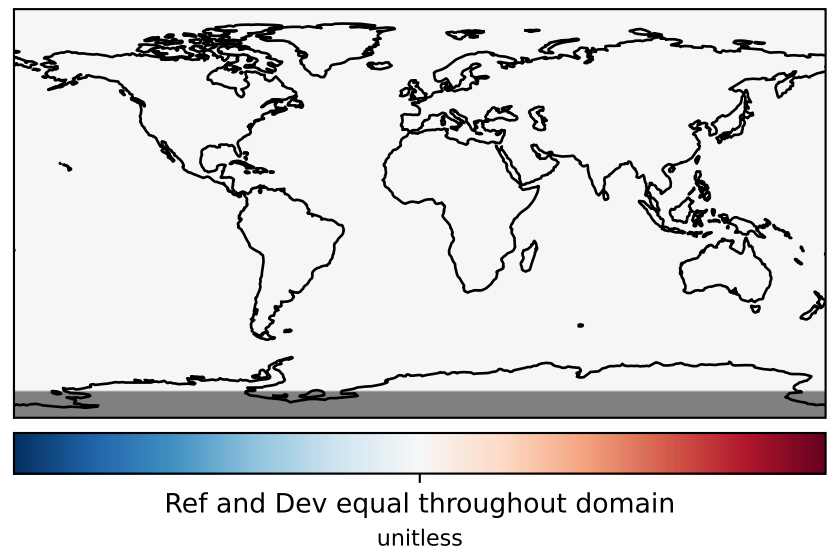4.0x5.0

s-1

s-1

Difference
Dev - Ref, Dynamic Range

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

Zero throughout domain
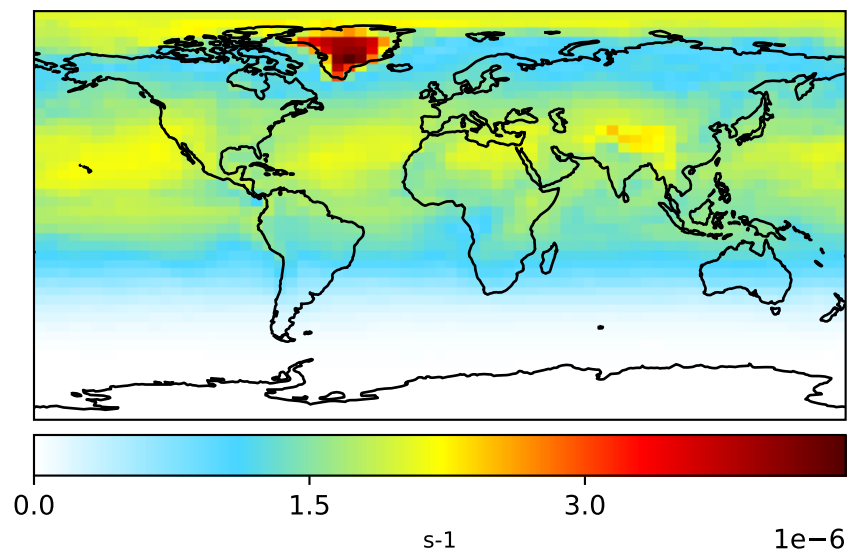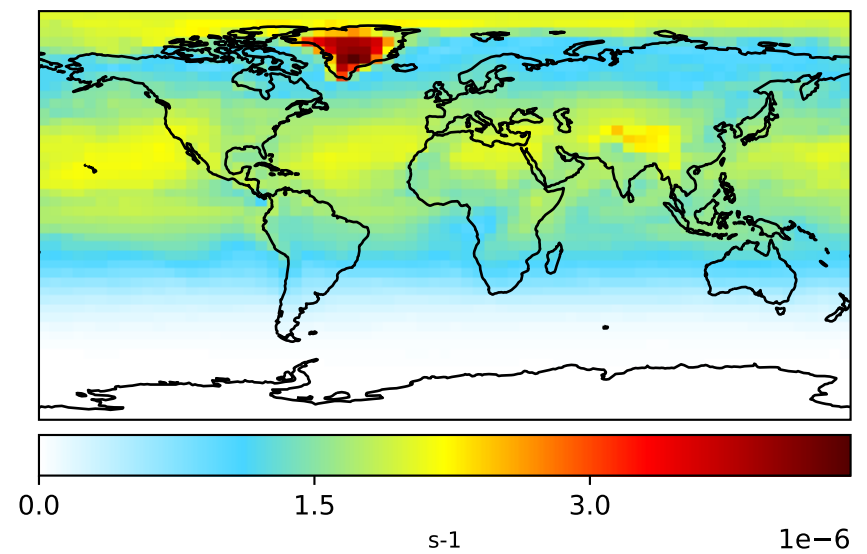s-1

Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

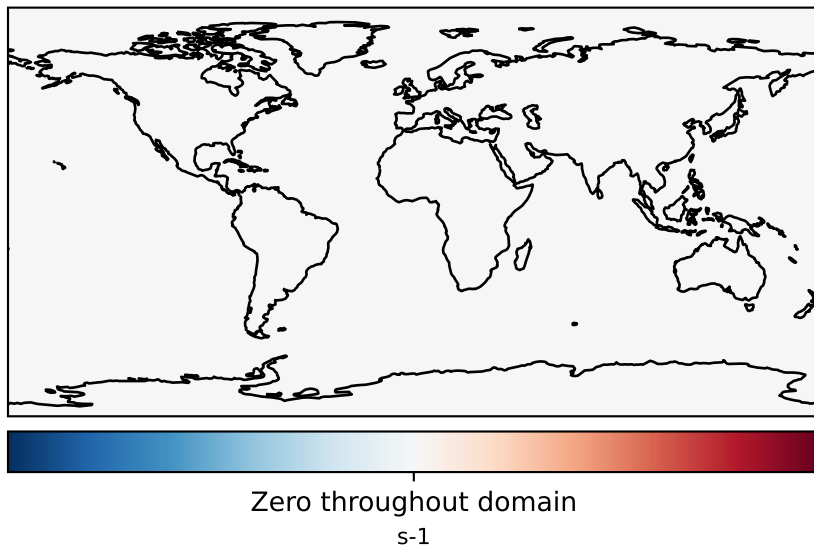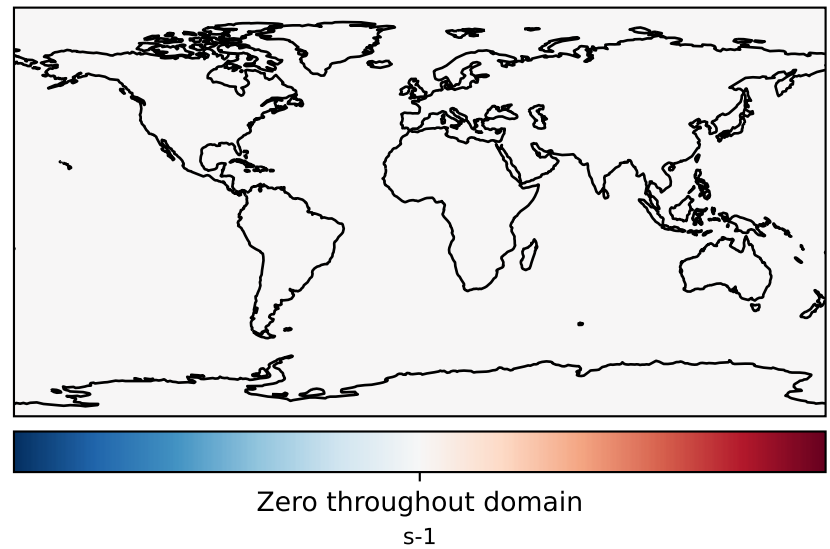Ref and Dev equal throughout domain
unitless

Jval_ClNO3

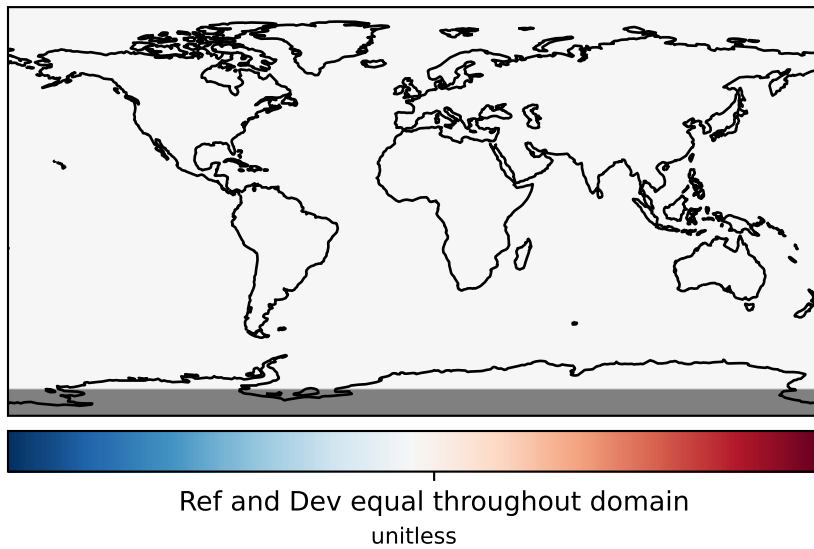gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0

gcc-4x5-1Mon-14.6.3 (Dev)
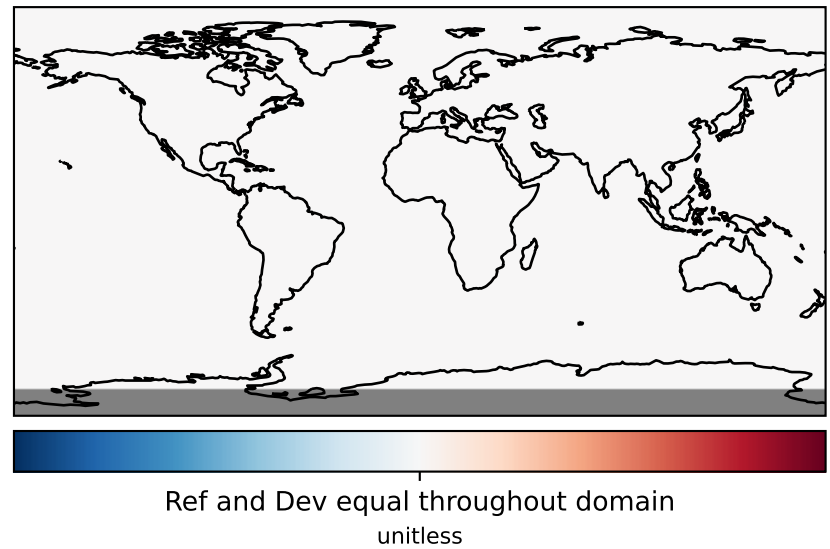4.0x5.0

s-1

s-1

Difference
Dev - Ref, Dynamic Range

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

Zero throughout domain
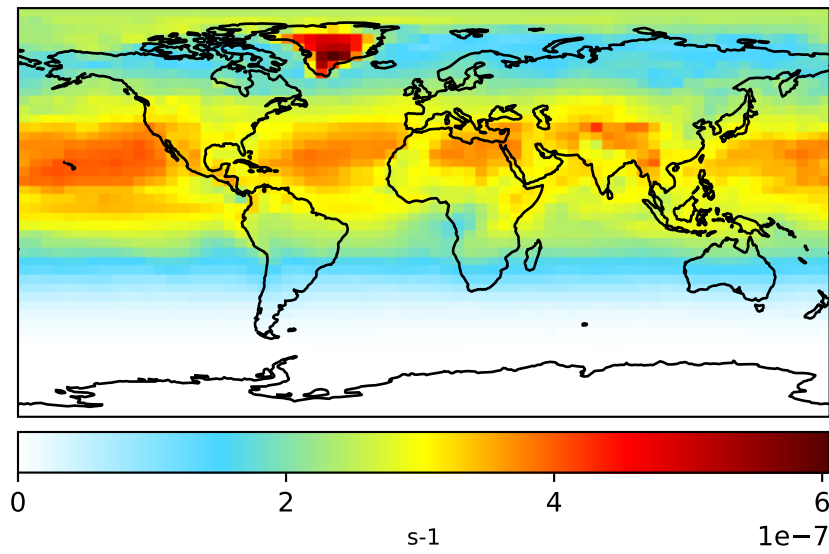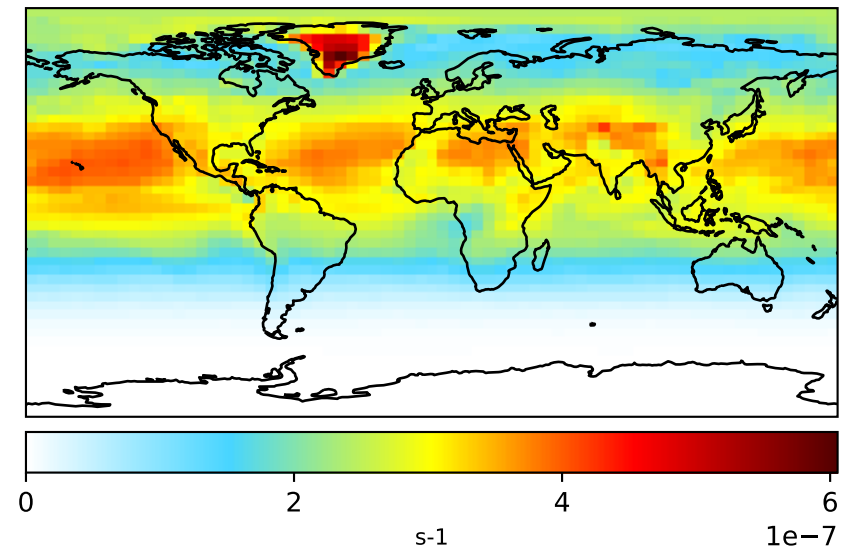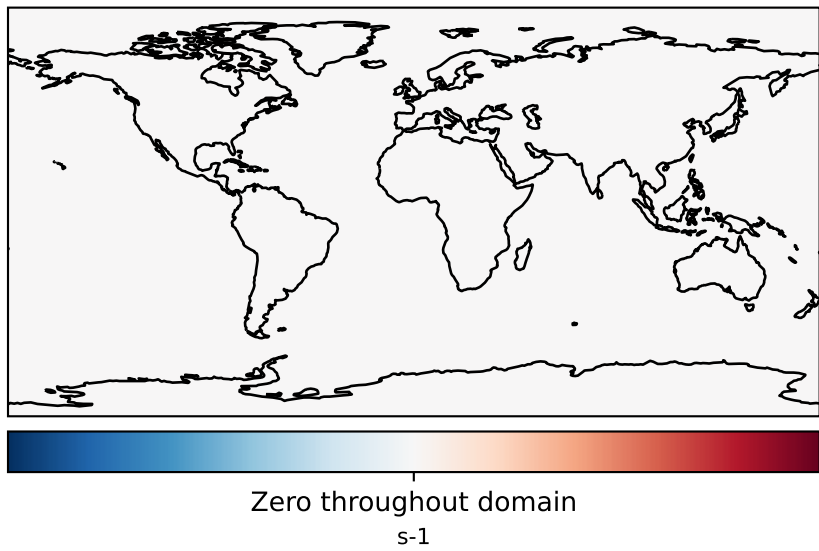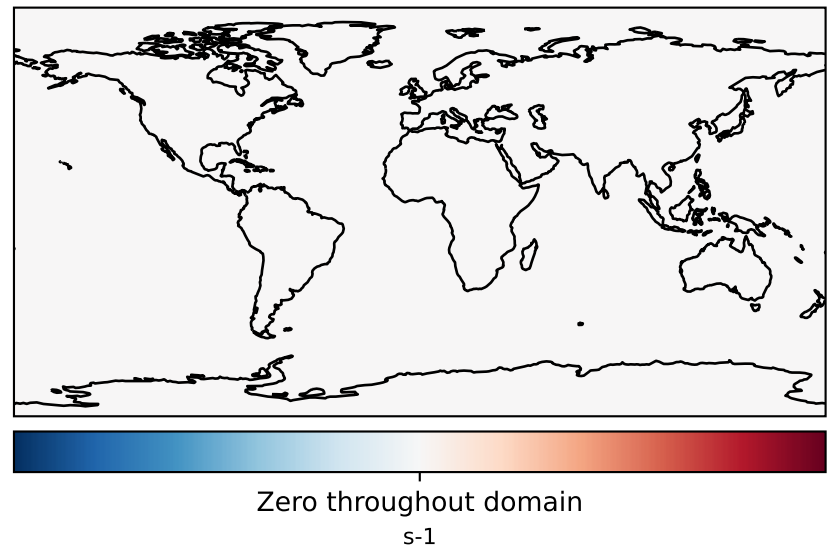s-1

Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

Ref and Dev equal throughout domain
unitless

Jval_ClO

gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0

gcc-4x5-1Mon-14.6.3 (Dev)
4.0x5.0

s-1

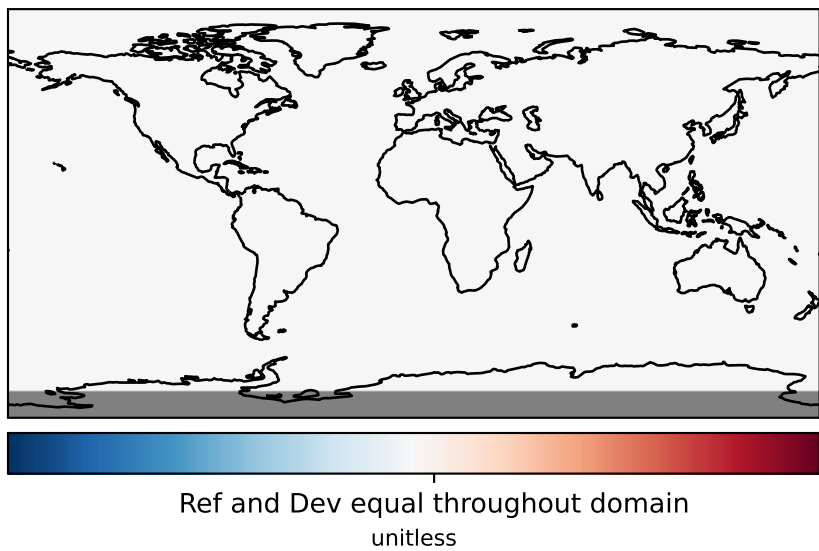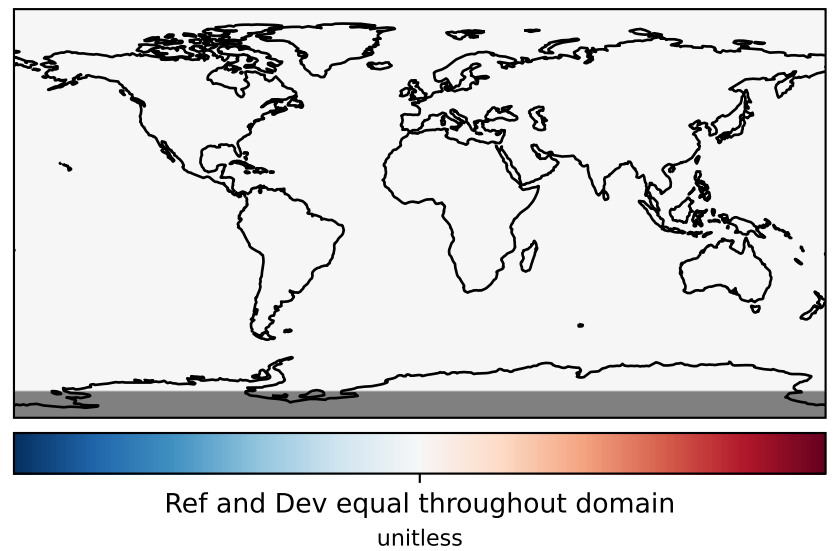1e−5

s-1

1e−5

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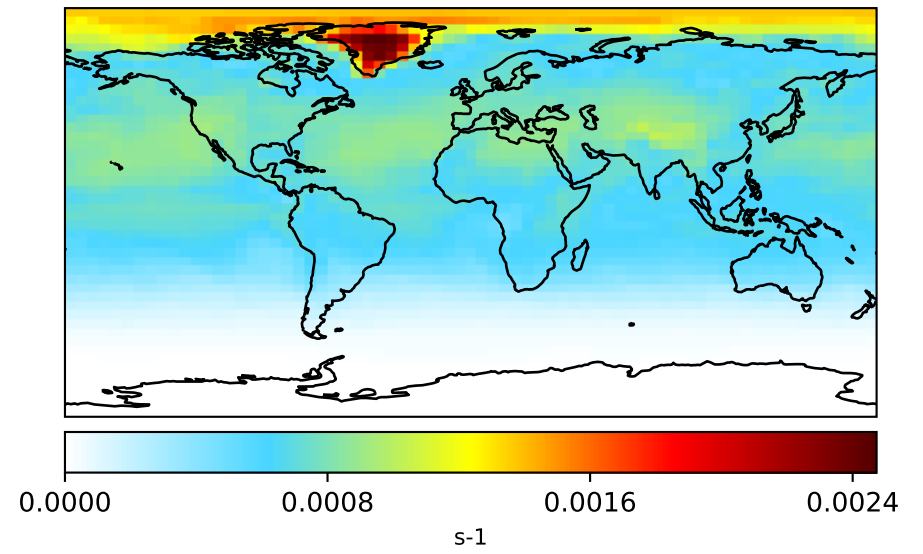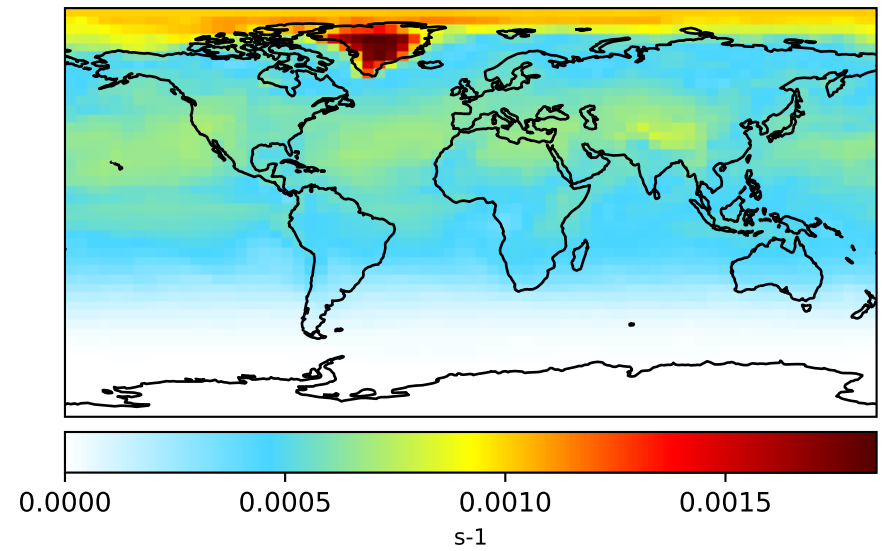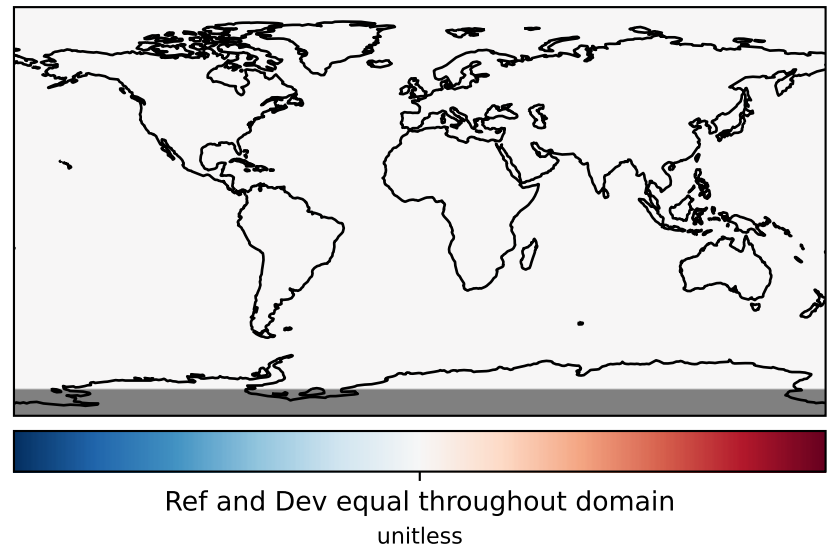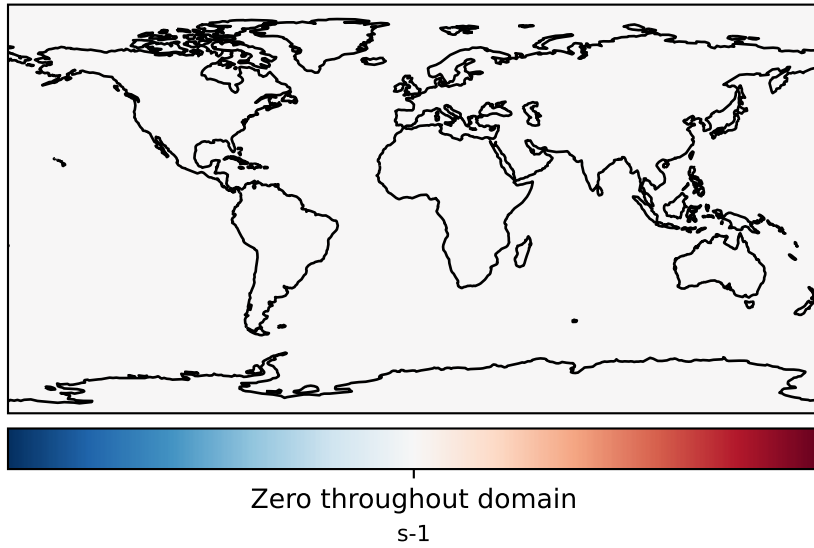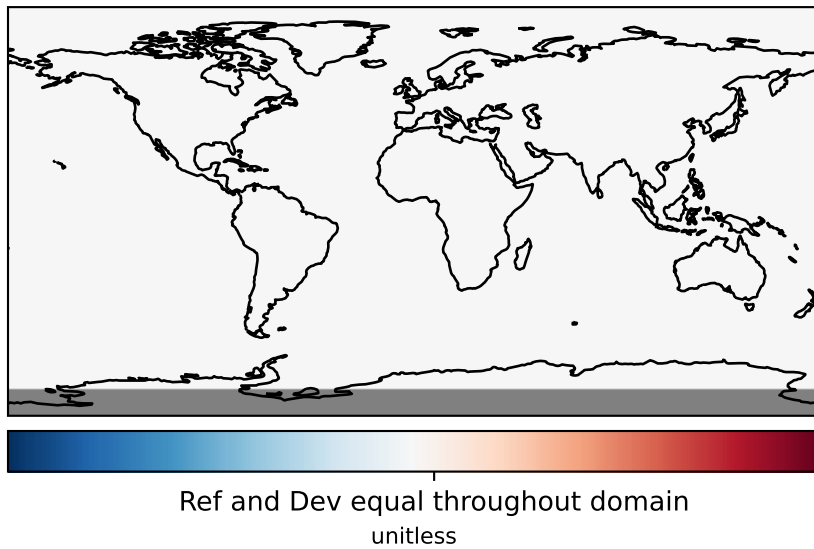
Difference
Dev - Ref, Restricted Range [5%,95%]

Zero throughout domain
s-1

Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

Ref and Dev equal throughout domain
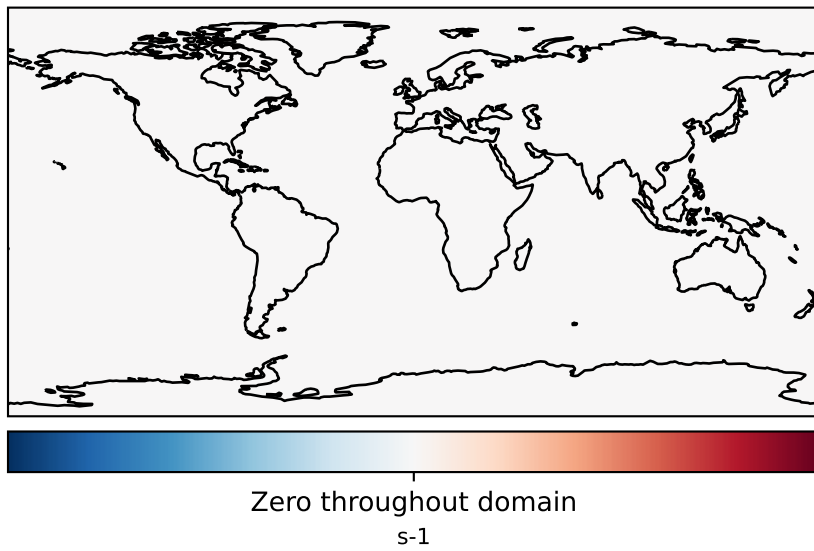unitless

Jval_ClOO

gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0

s-1

gcc-4x5-1Mon-14.6.3 (Dev)
4.0x5.0

s-1

Difference
Dev - Ref, Dynamic Range

Zero throughout domain
s-1

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

Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ref and Dev equal throughout domain
unitless

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

Jval_ETHLN

gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0

gcc-4x5-1Mon-14.6.3 (Dev)
4.0x5.0

s-1
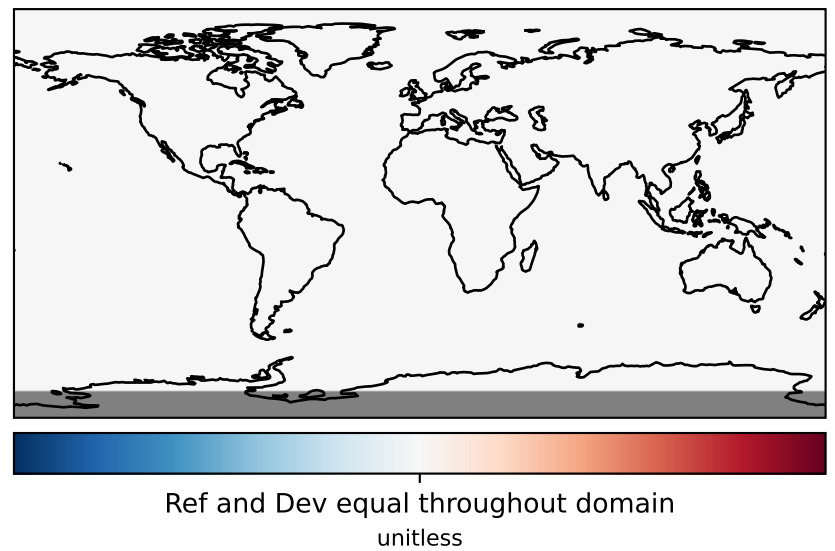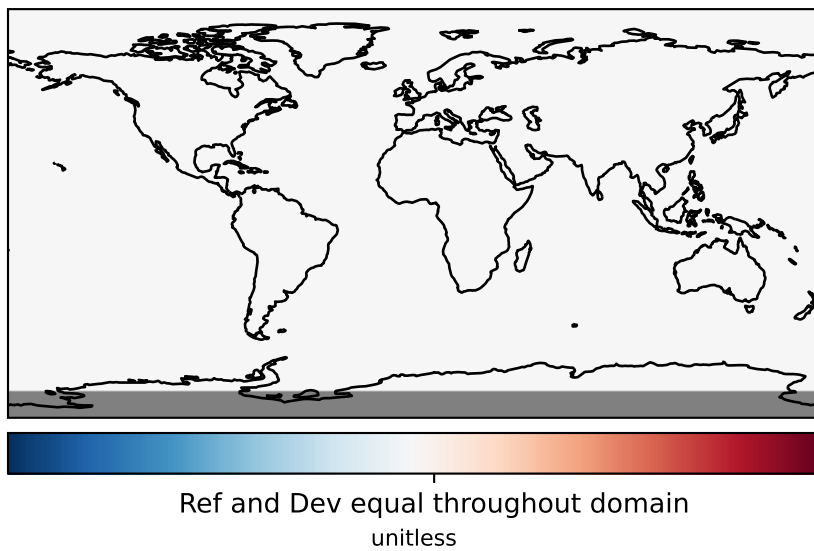1e−5

s-1
1e−5

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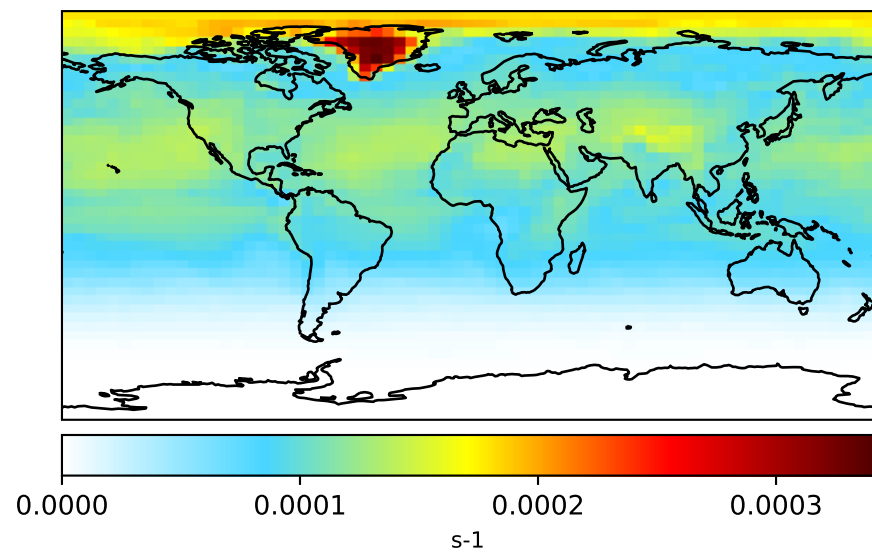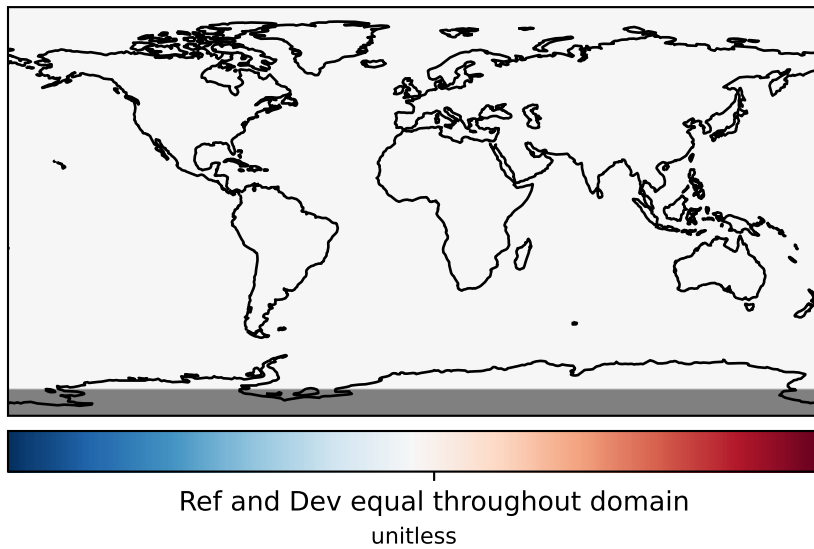
Difference
Dev - Ref, Restricted Range [5%,95%]

Zero throughout domain
s-1

Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

Ref and Dev equal throughout domain
unitless

Jval_ETHP

gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0

gcc-4x5-1Mon-14.6.3 (Dev)
4.0x5.0

s-1

s-1
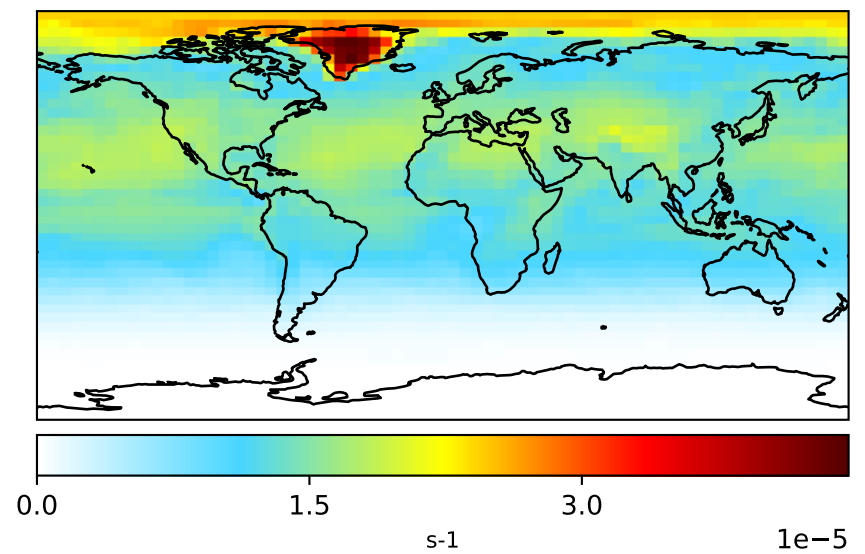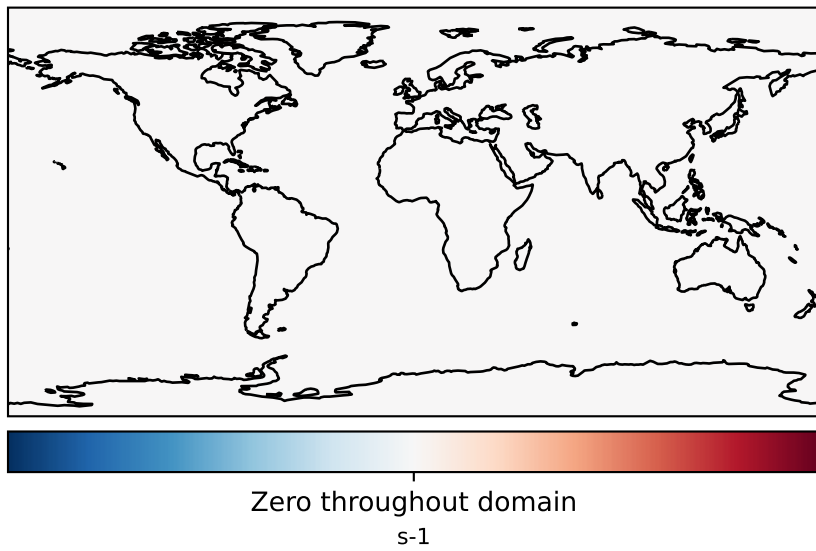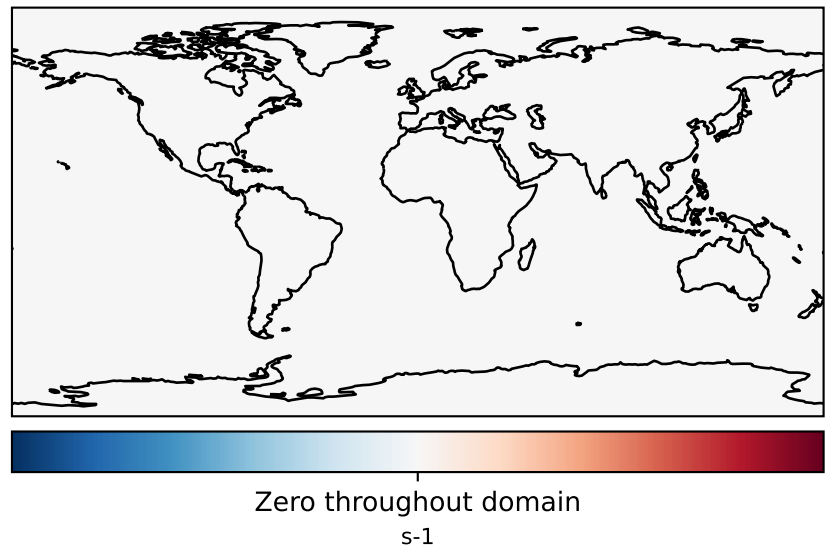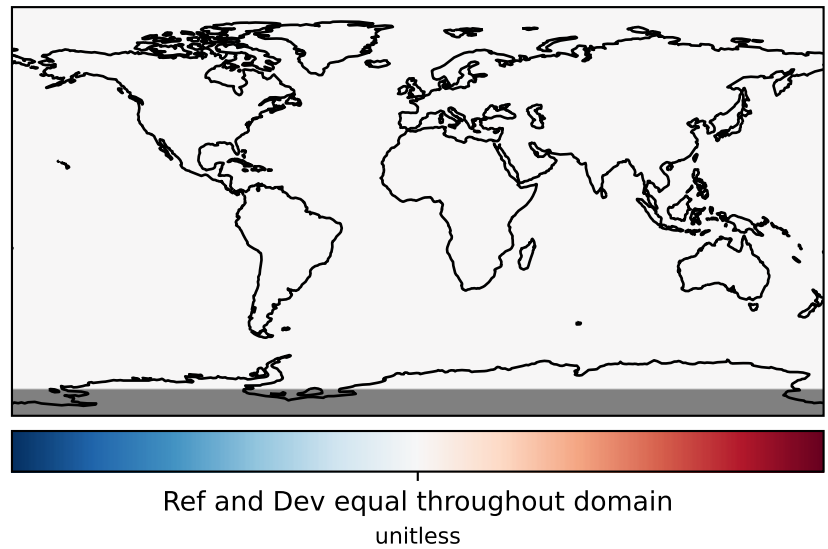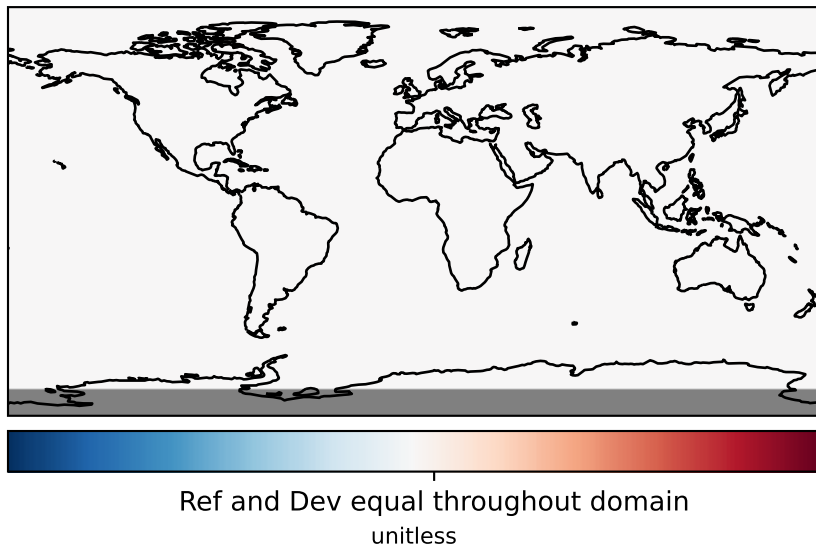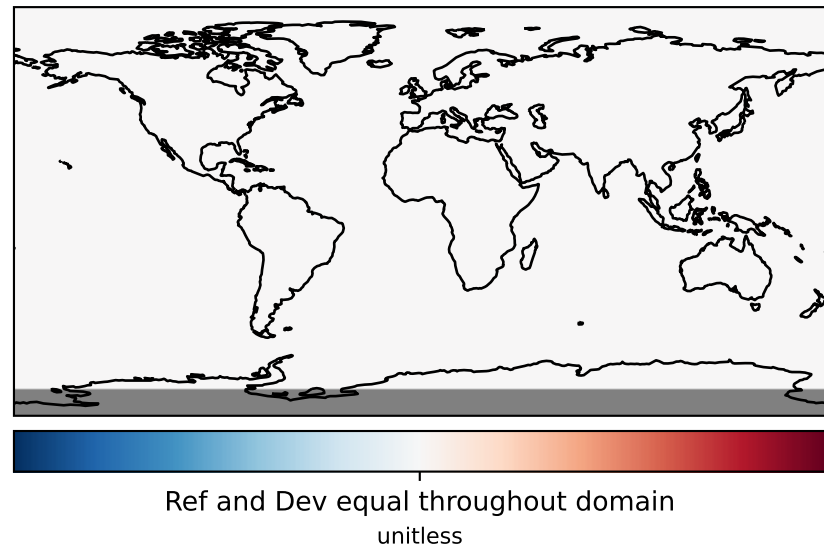
Difference
Dev - Ref, Dynamic Range

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

Zero throughout domain
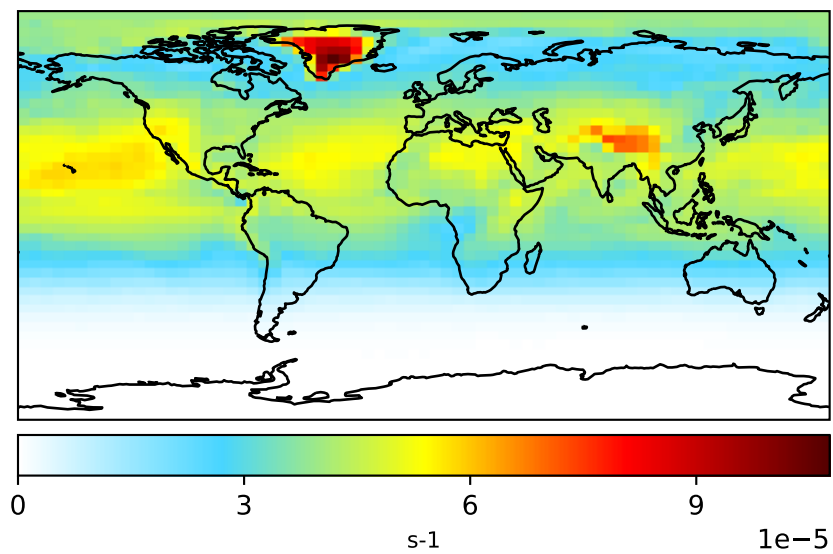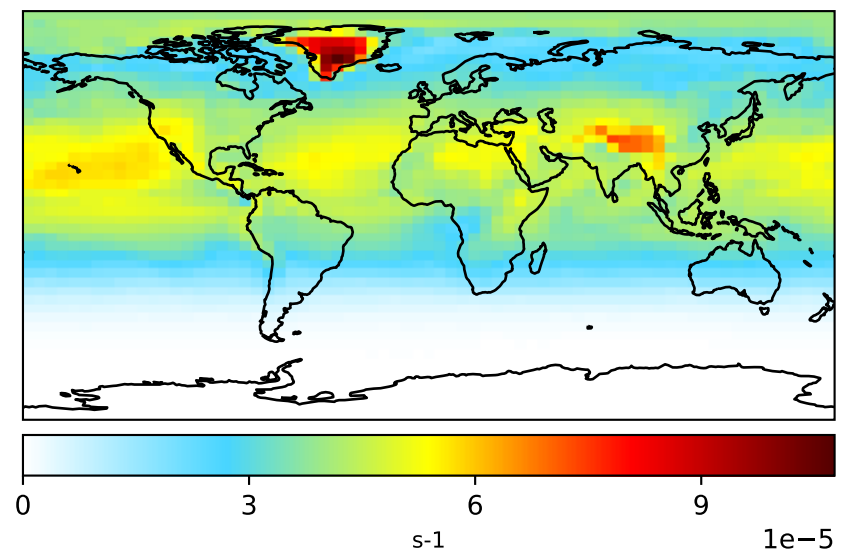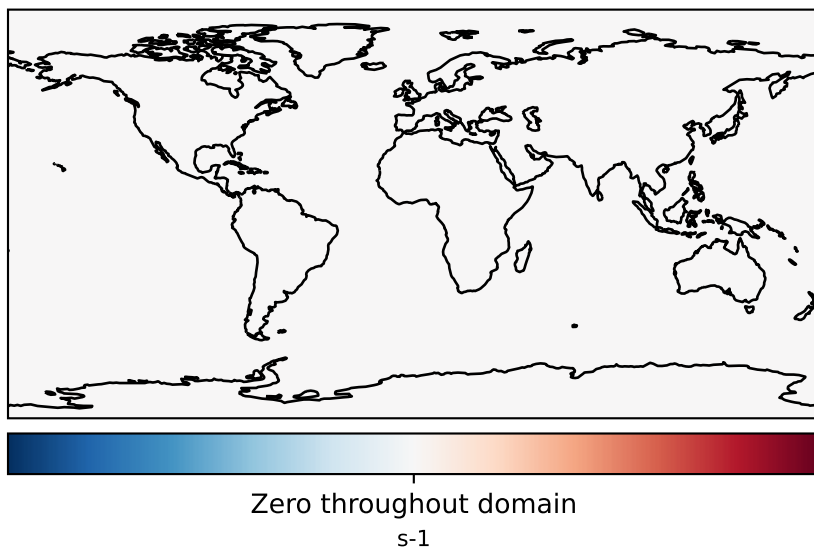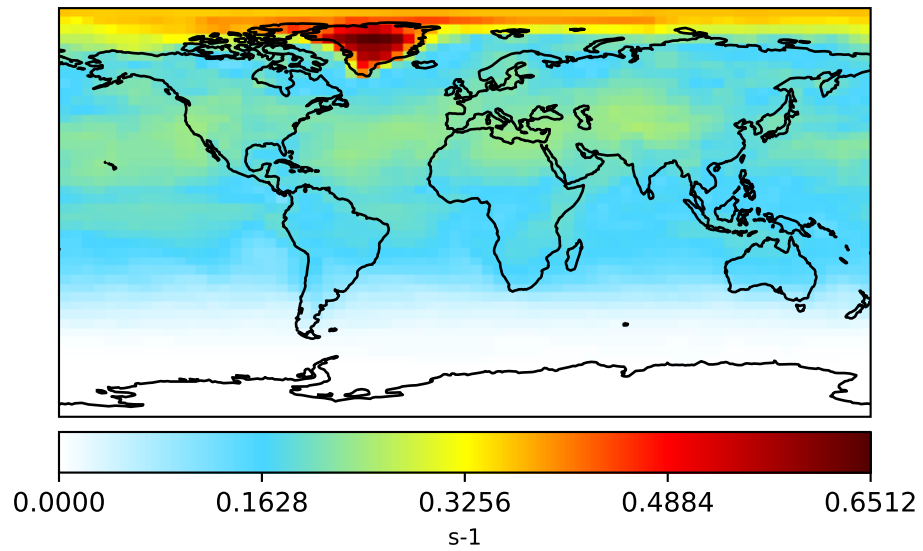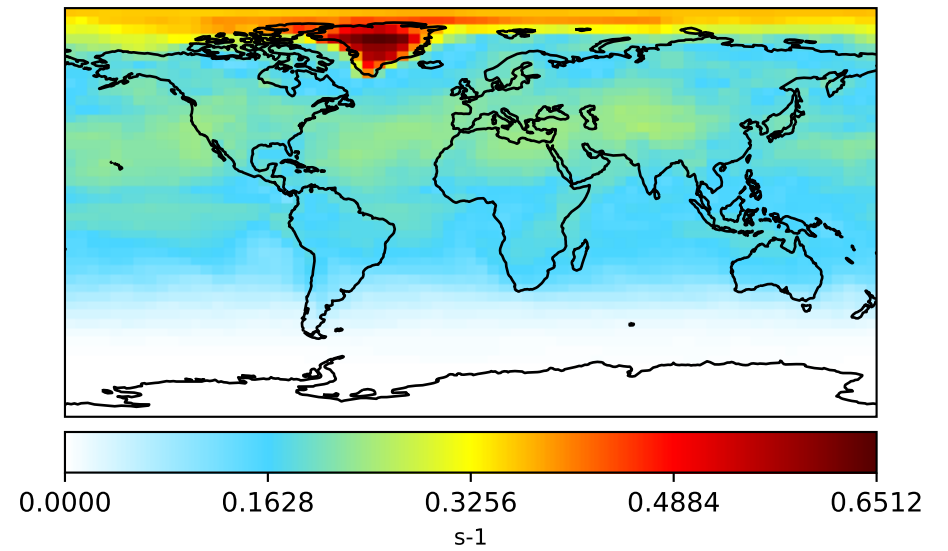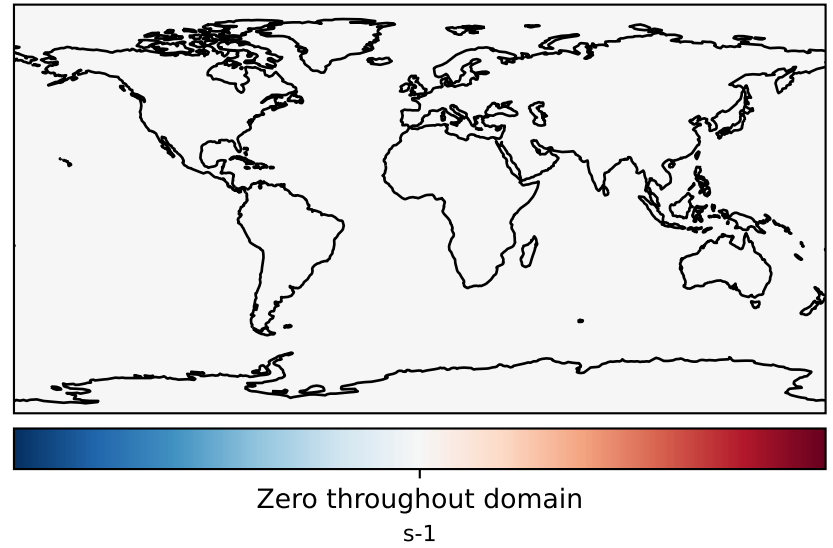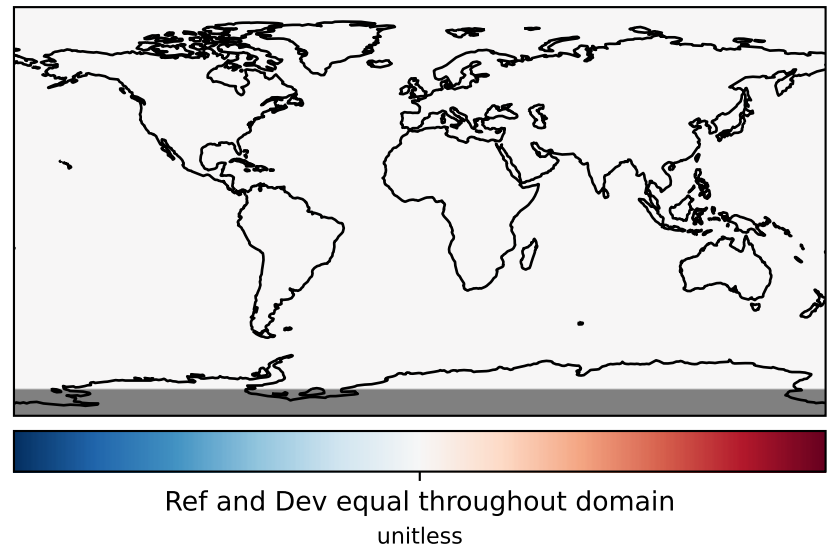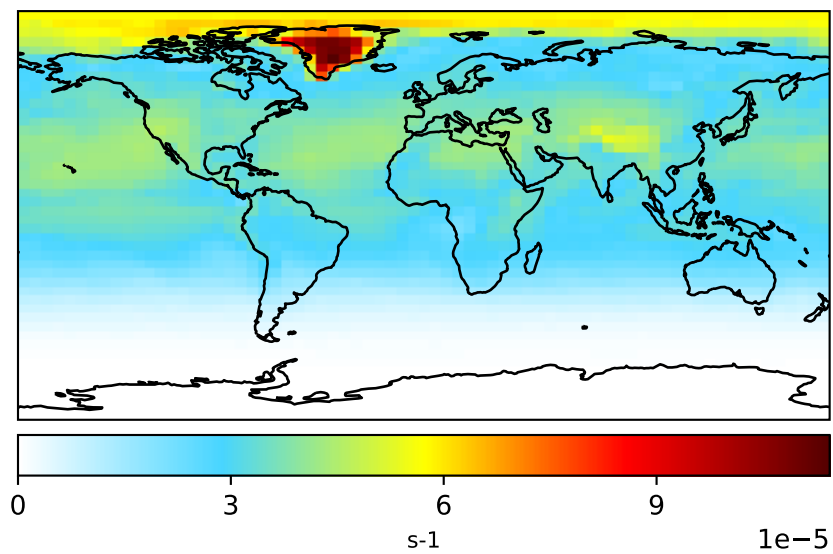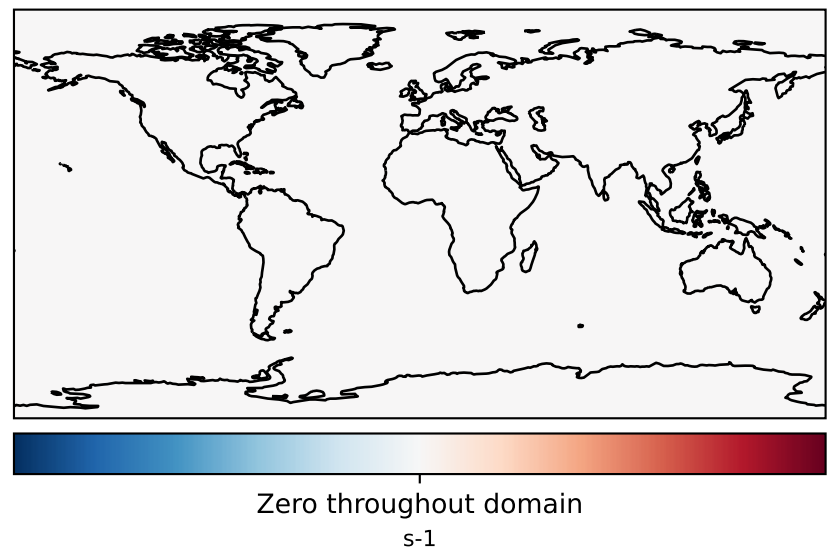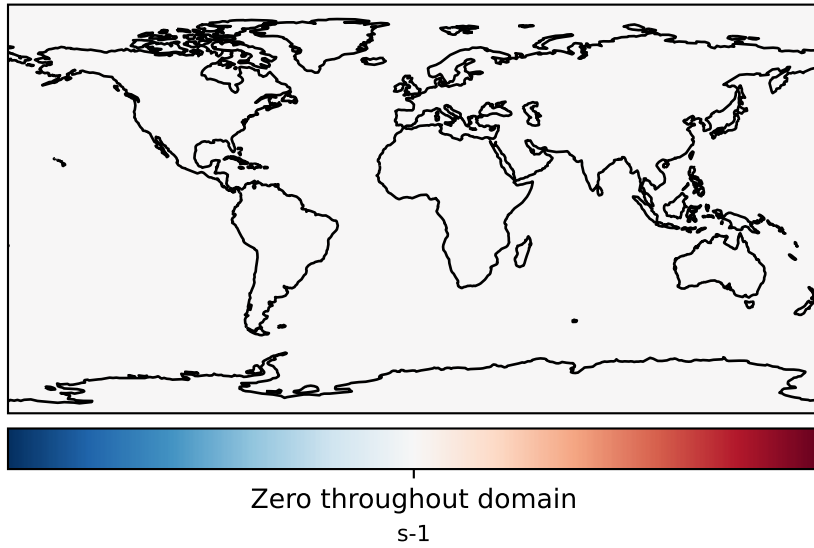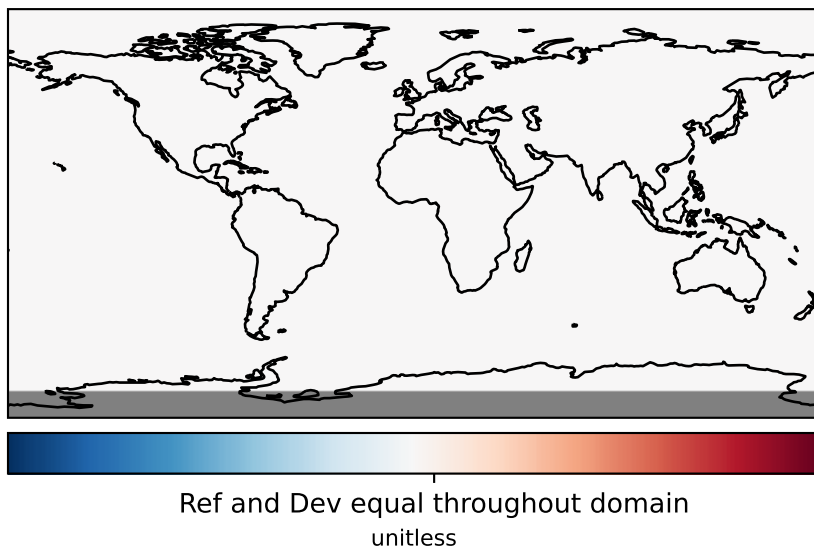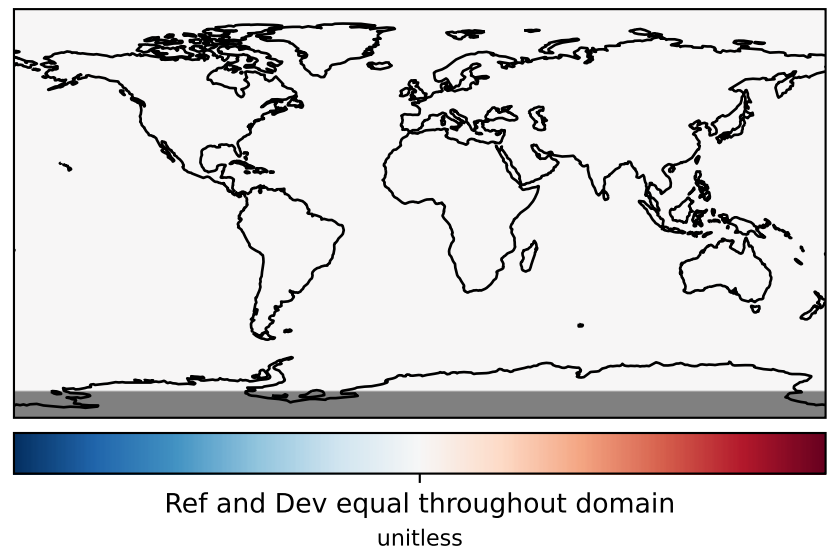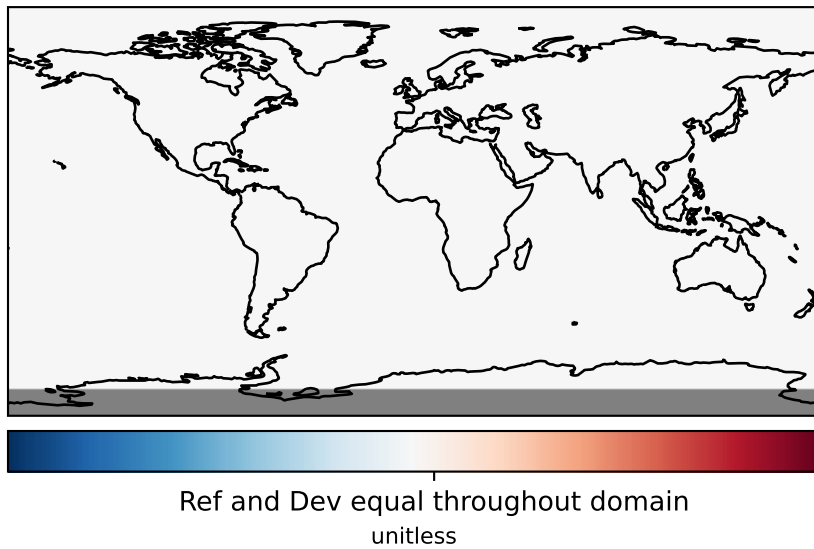s-1

Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

Ref and Dev equal throughout domain
unitless

Jval_ETNO3

| gcc-4x5-1Mon-14.6.2 (Ref) | gcc-4x5-1Mon-14.6.3 (Dev) |
| 4.0x5.0 | 4.0x5.0 |

s-1   1e−7

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

Zero throughout domain
s-1

Zero throughout domain
s-1

| Ratio | Ratio |
| Dev/Ref, Dynamic Range | Dev/Ref, Fixed Range |

Ref and Dev equal throughout domain
unitless

Ref and Dev equal throughout domain
unitless

Jval_ETP

gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0

0.0   0.8   1.6   2.4
s-1
1e−6

gcc-4x5-1Mon-14.6.3 (Dev)
4.0x5.0

0.0   0.8   1.6   2.4
s-1
1e−6

Difference
Dev - Ref, Dynamic Range

Zero throughout domain
s-1

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

Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ref and Dev equal throughout domain
unitless

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

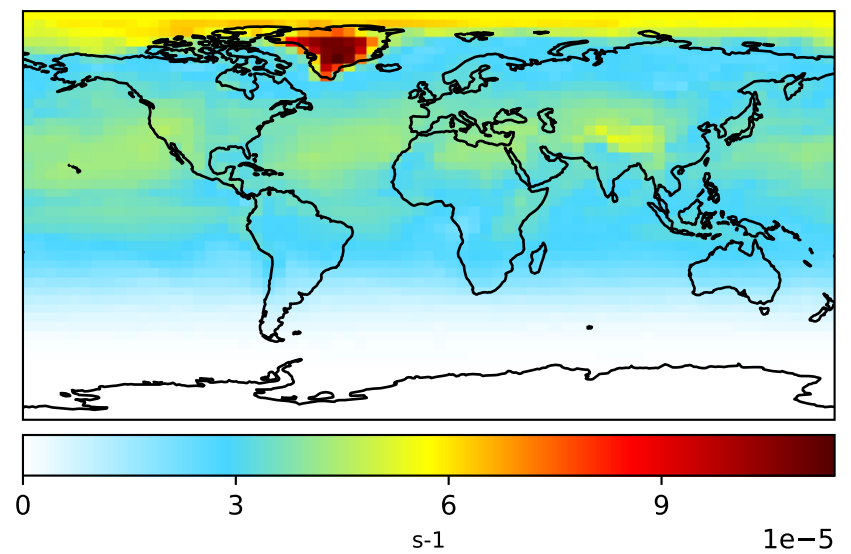# Jval_GLYC

gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0

gcc-4x5-1Mon-14.6.3 (Dev)
4.0x5.0

s-1

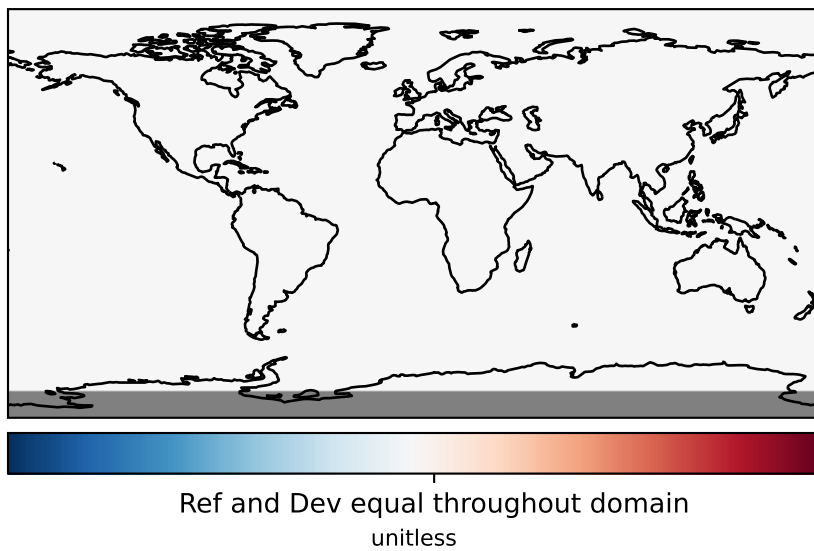1e−6

s-1

1e−6

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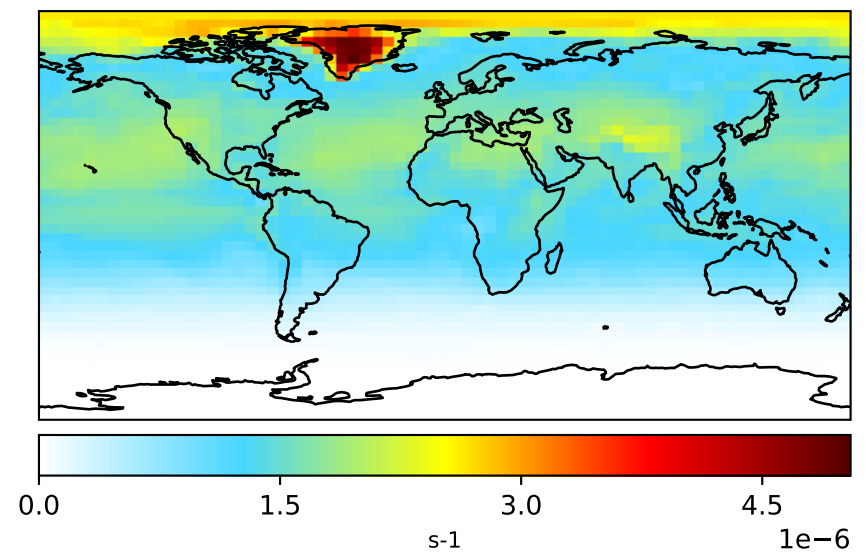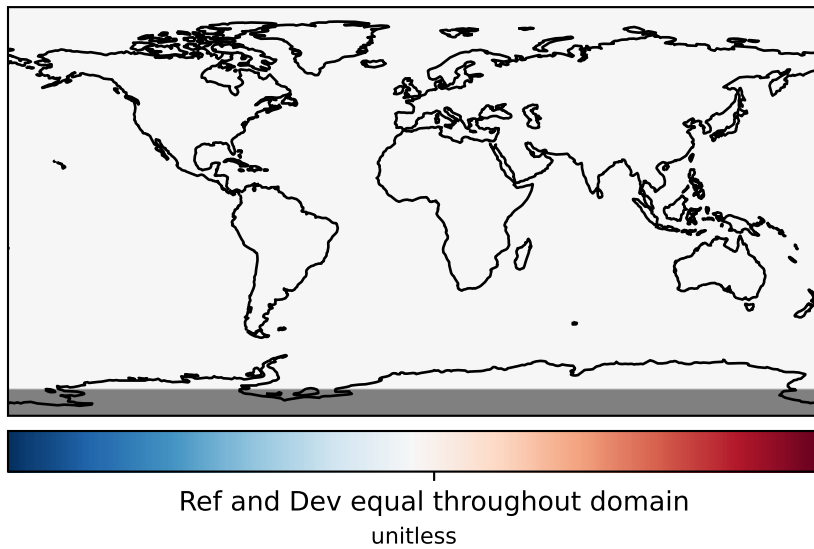
Difference
Dev - Ref, Restricted Range [5%,95%]

Zero throughout domain
s-1

Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

Ref and Dev equal throughout domain
unitless

Jval_GLYX

Jval_H1211

gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0

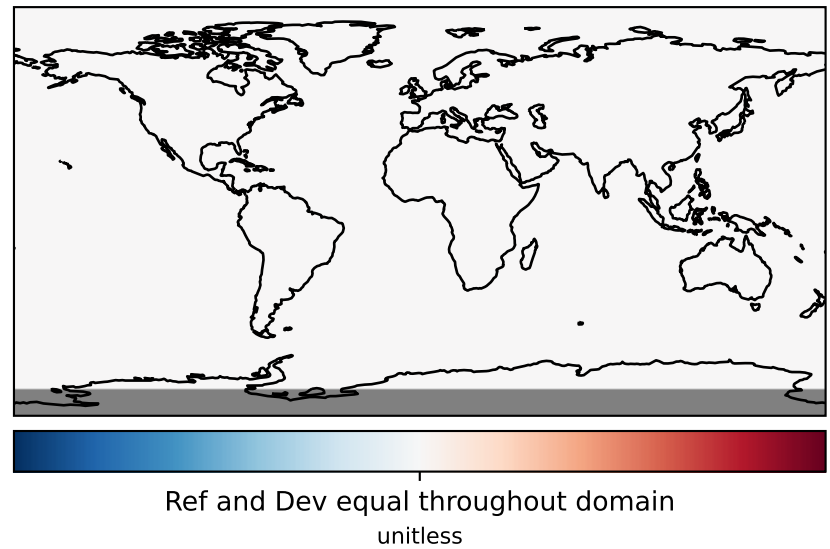gcc-4x5-1Mon-14.6.3 (Dev)
4.0x5.0

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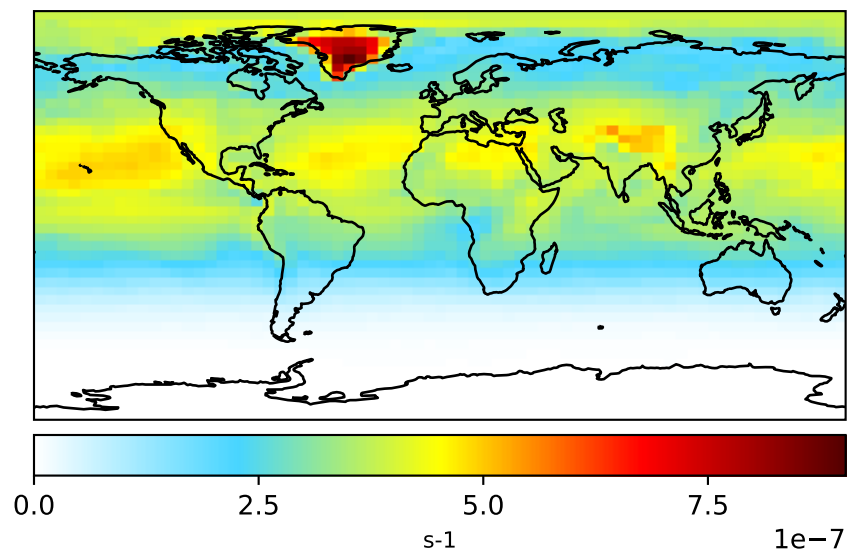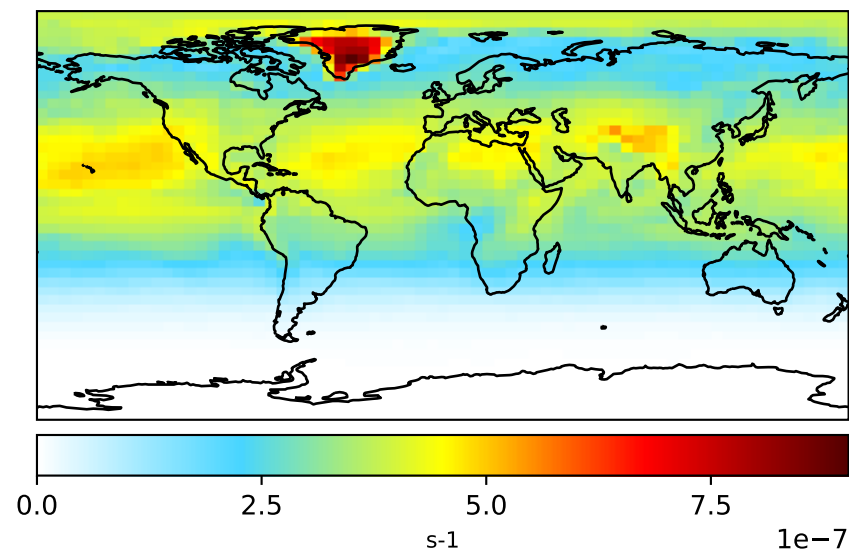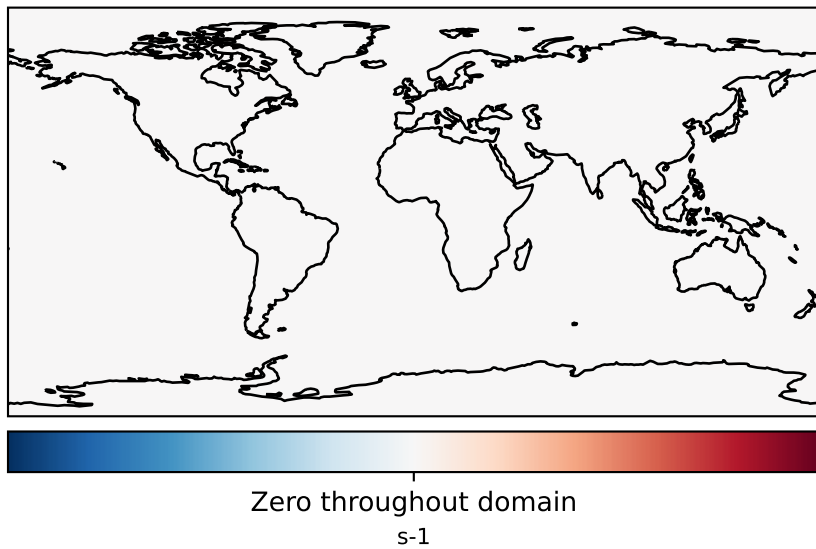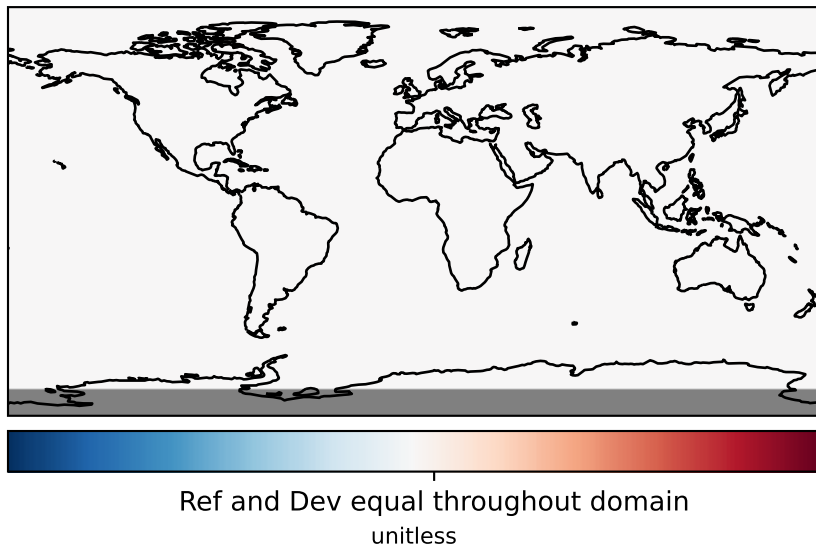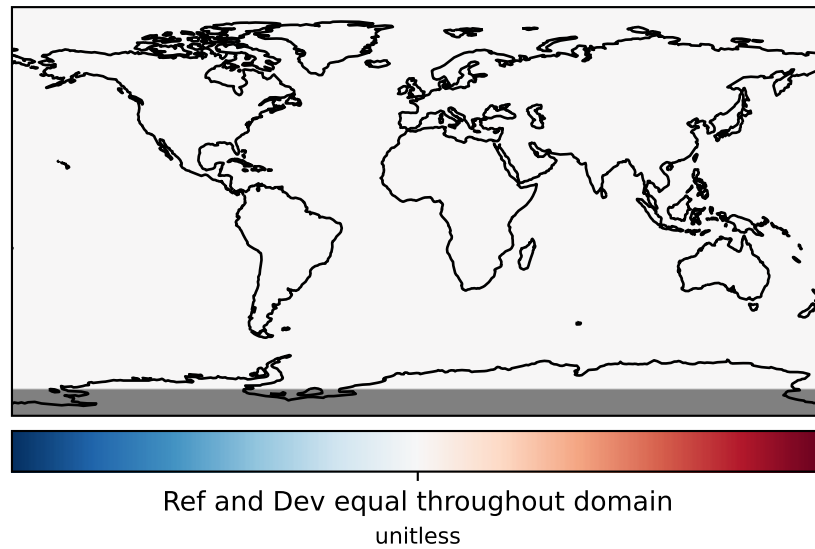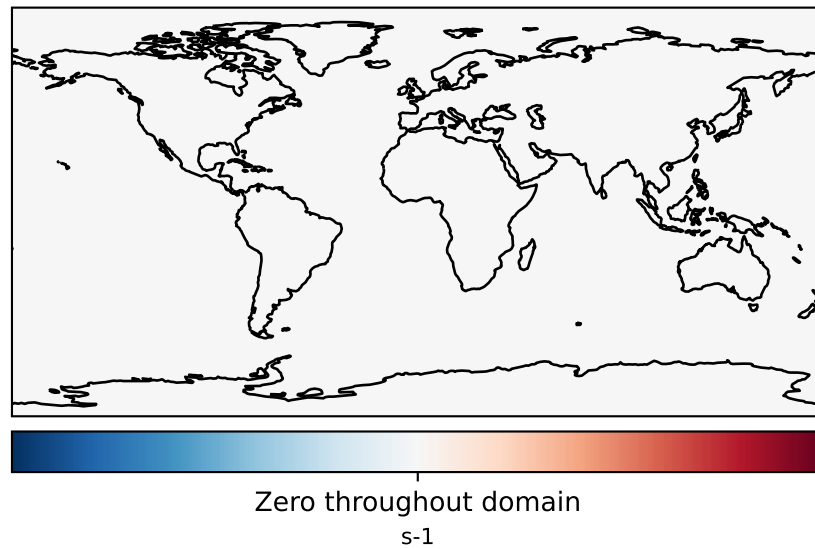
Difference
Dev - Ref, Restricted Range [5%,95%]

Zero throughout domain
s-1
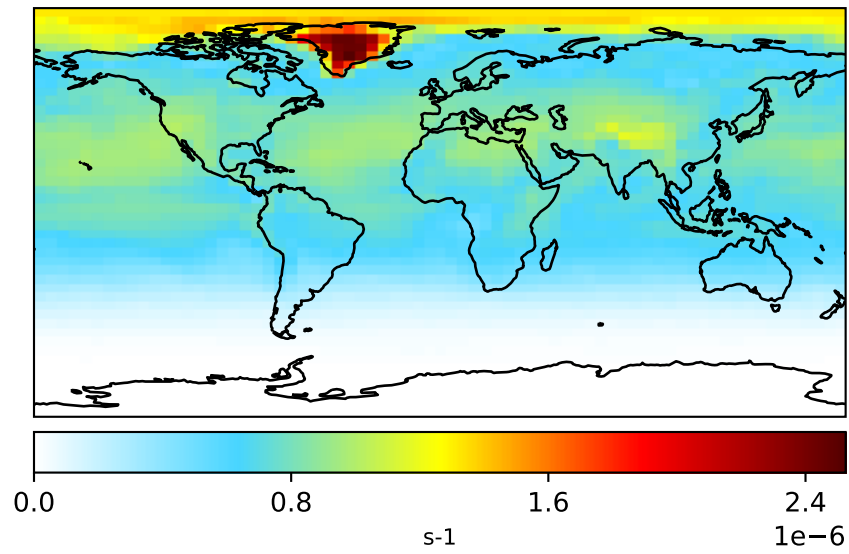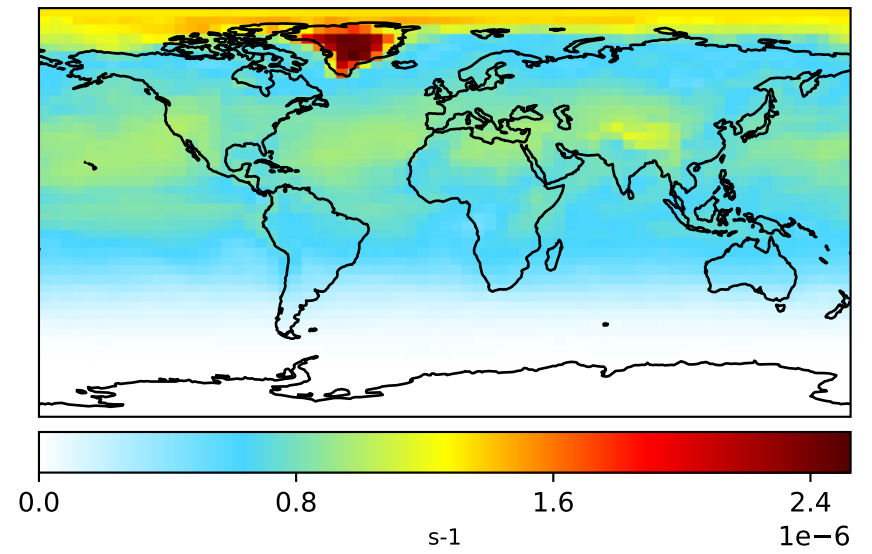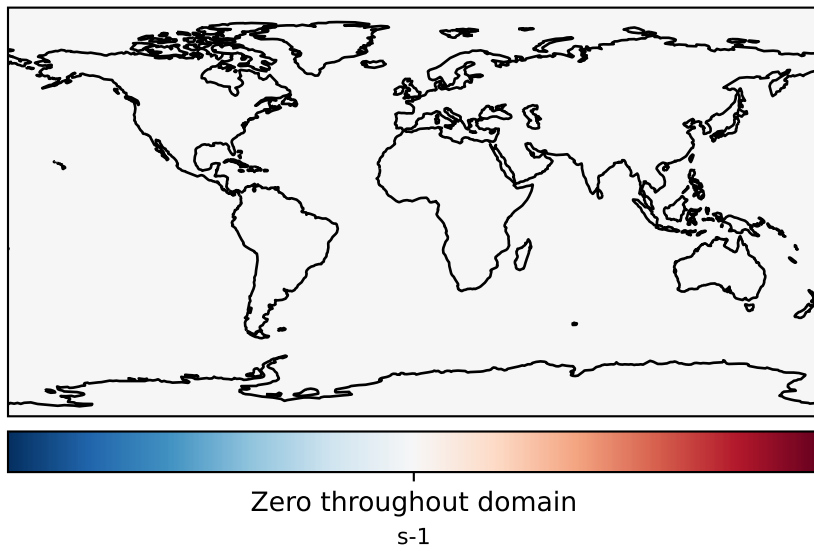
Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

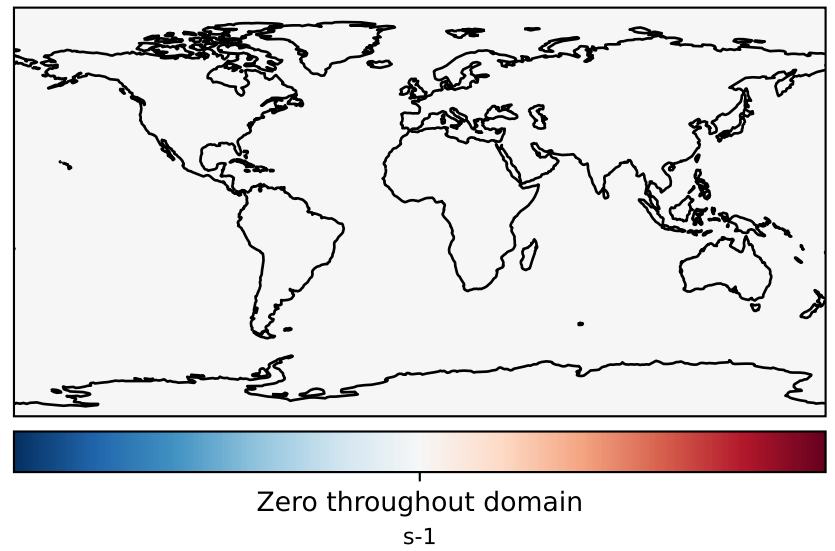Ref and Dev equal throughout domain
unitless

Jval_H1301

gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0

gcc-4x5-1Mon-14.6.3 (Dev)
4.0x5.0

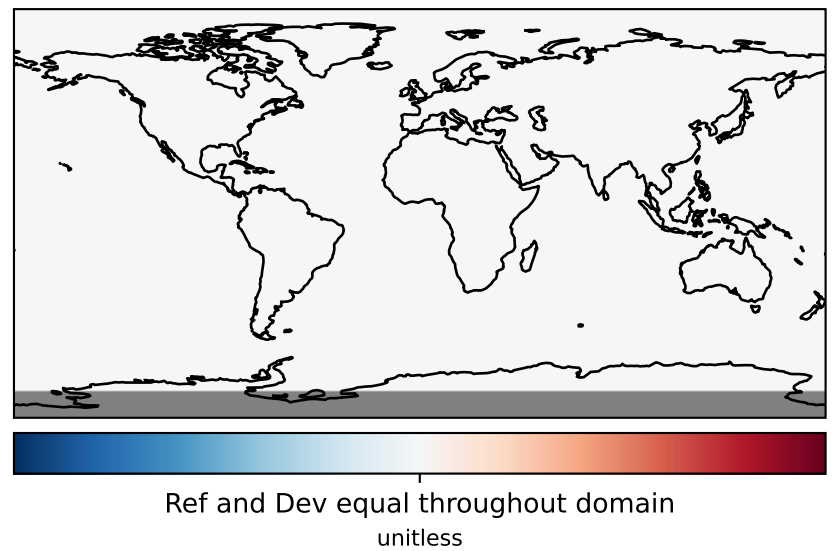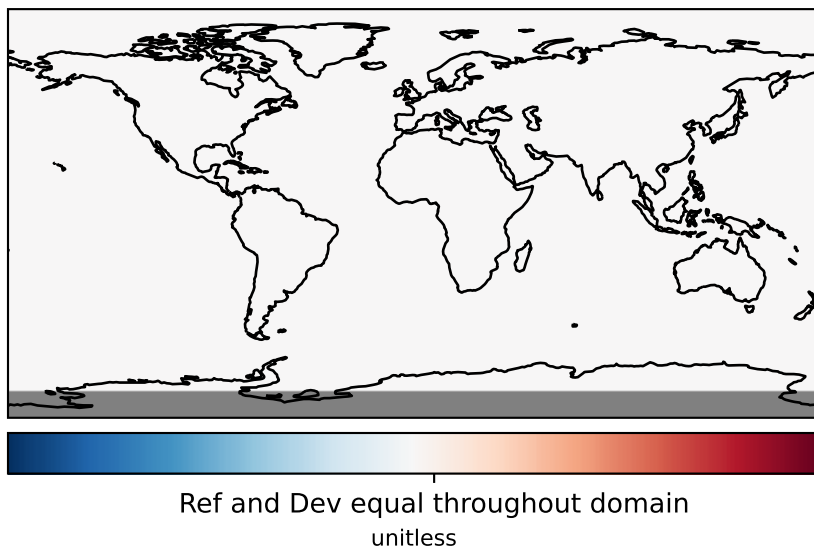Difference
Dev - Ref, Dynamic Range

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

Zero throughout domain
s-1
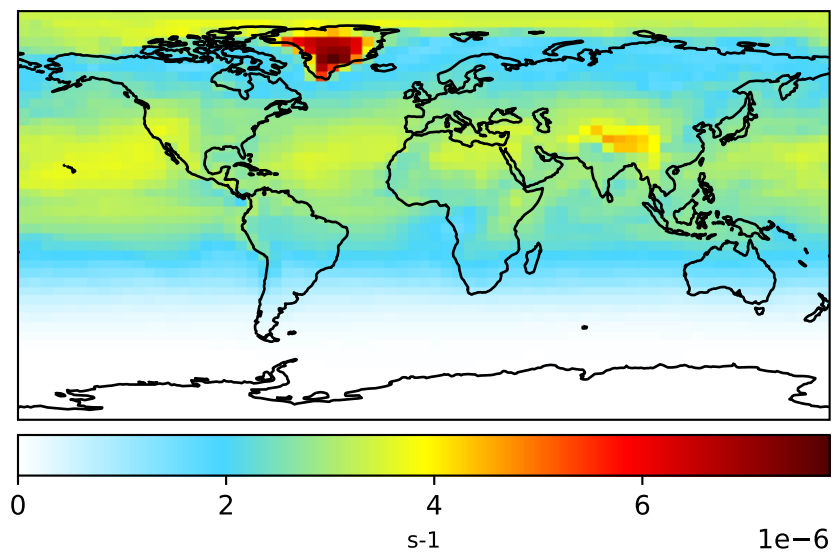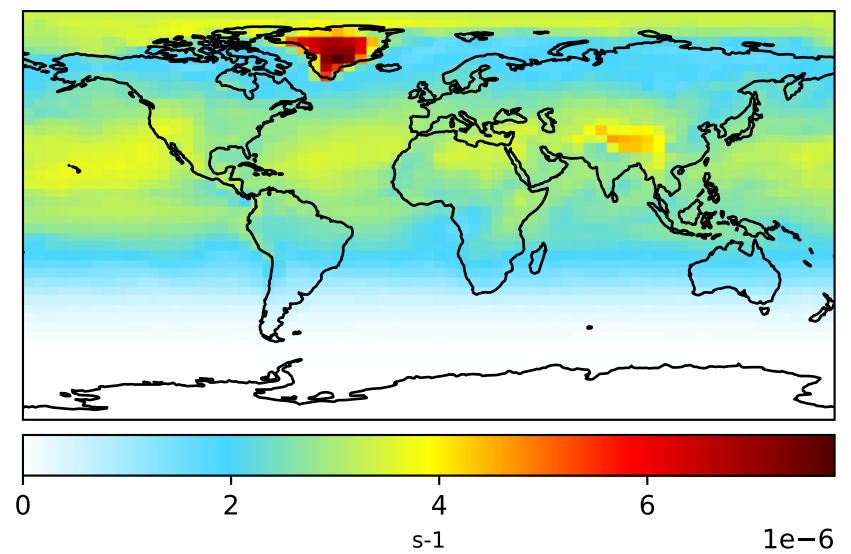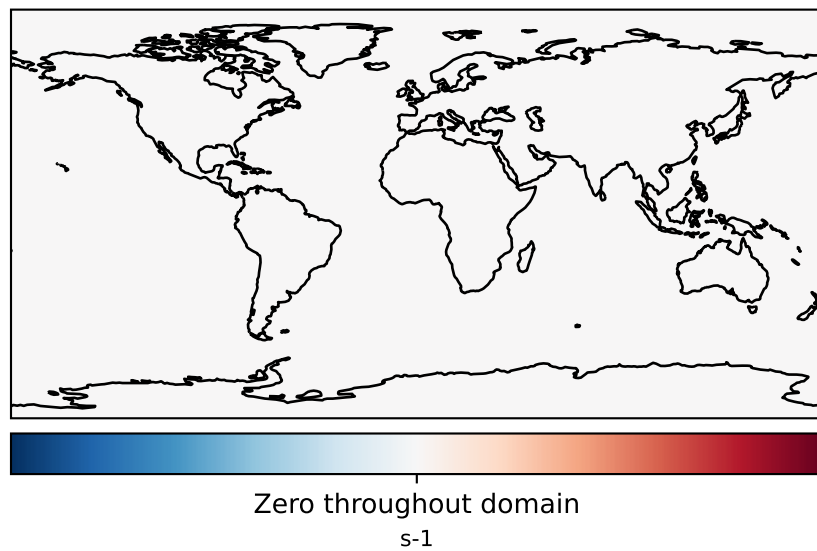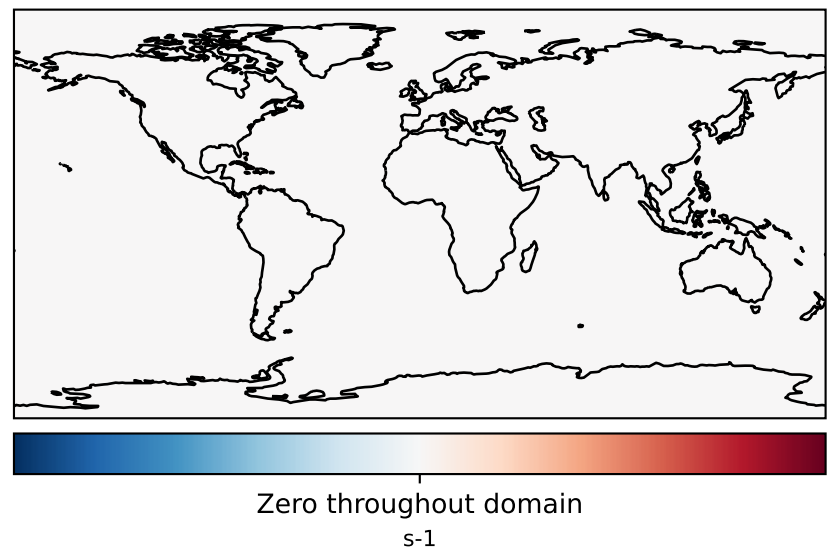
Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

Ref and Dev equal throughout domain
unitless

Jval_H2402

Jval_H2O2

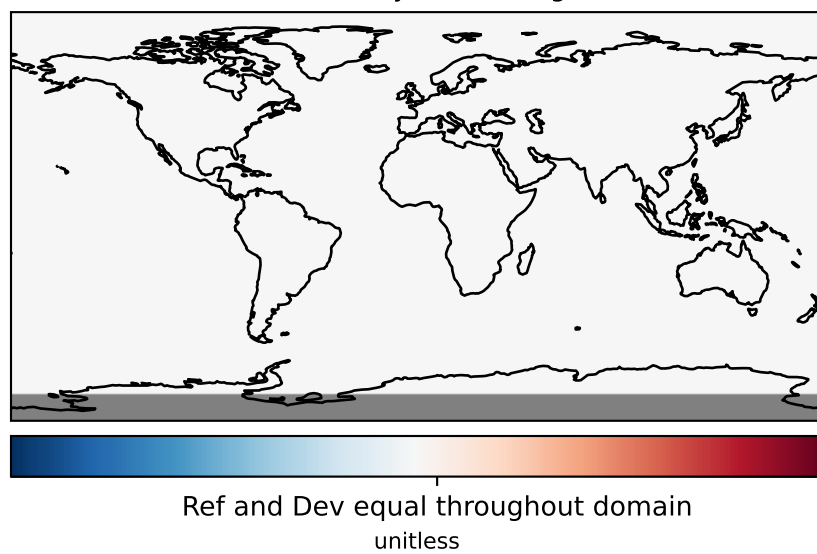gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0

gcc-4x5-1Mon-14.6.3 (Dev)
4.0x5.0

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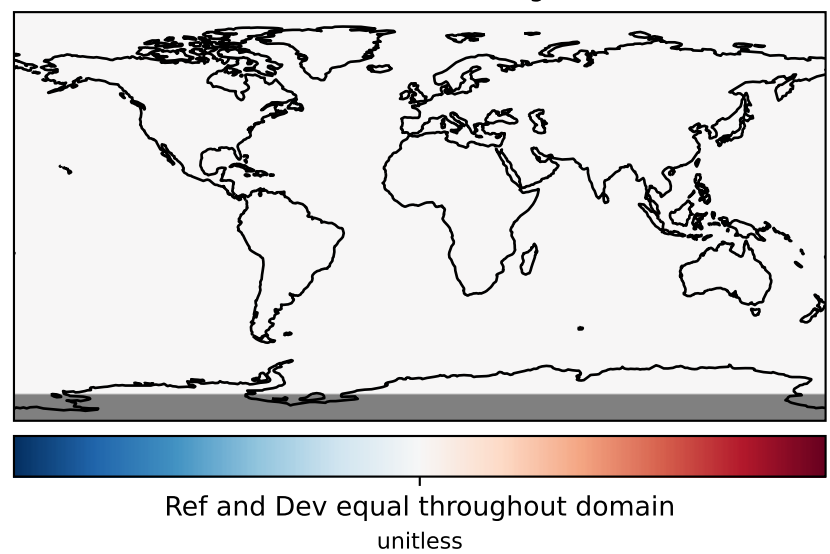
Difference
Dev - Ref, Restricted Range [5%,95%]

Zero throughout domain
s-1
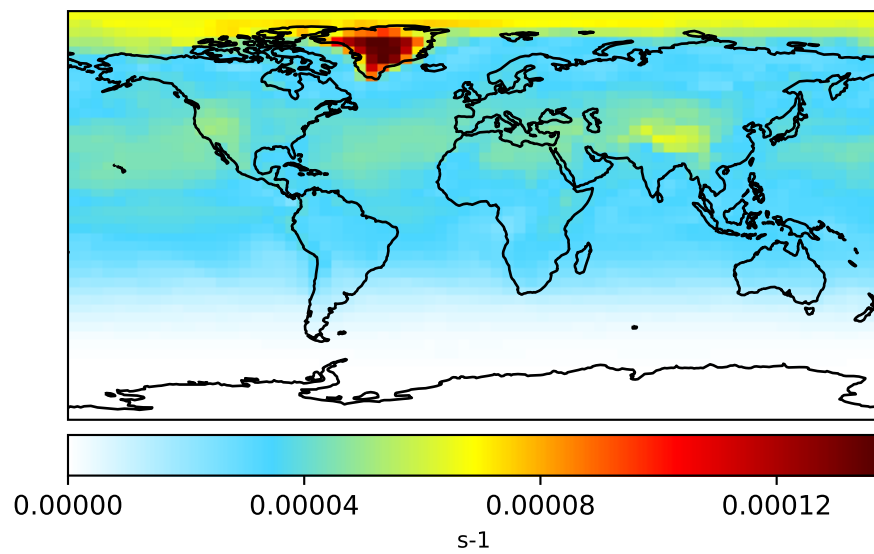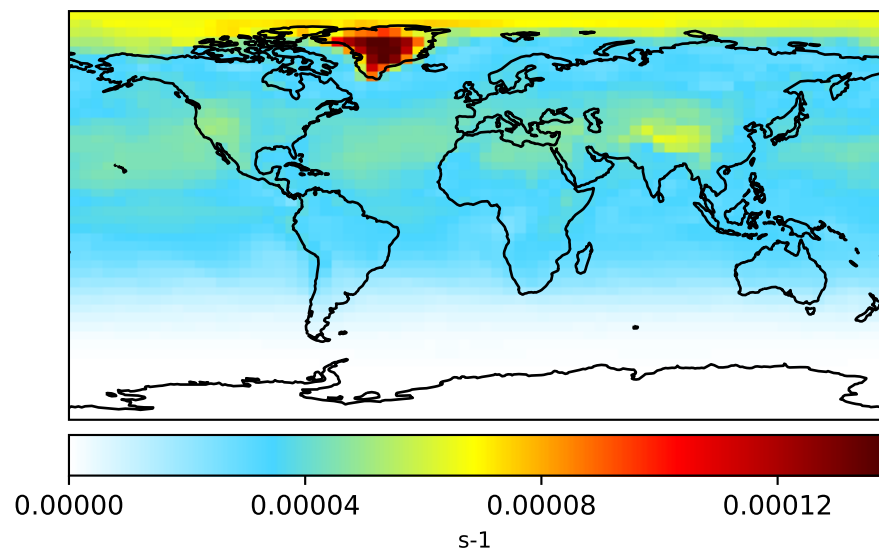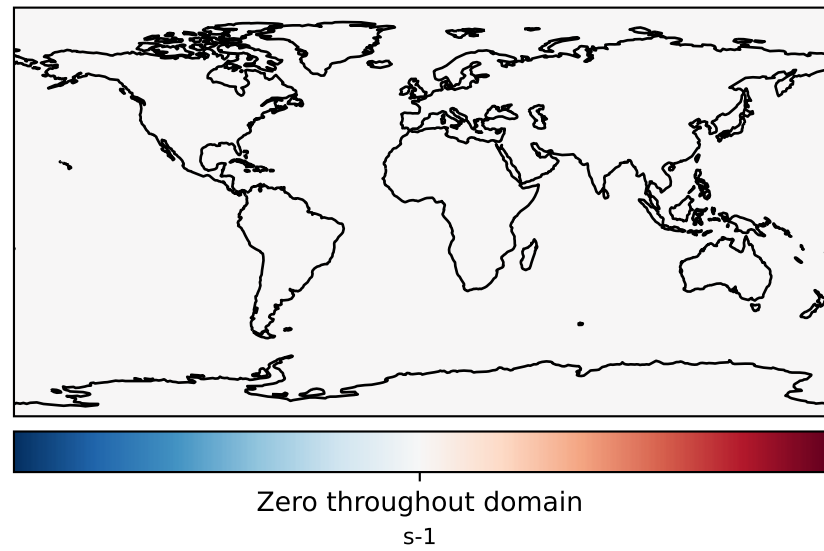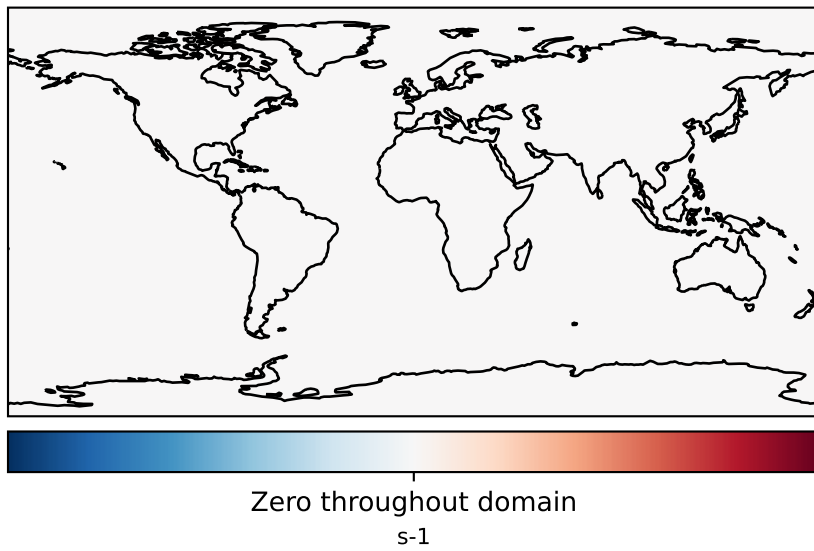
Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

Ref and Dev equal throughout domain
unitless

Jval_HAC

gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0

gcc-4x5-1Mon-14.6.3 (Dev)
4.0x5.0

s-1

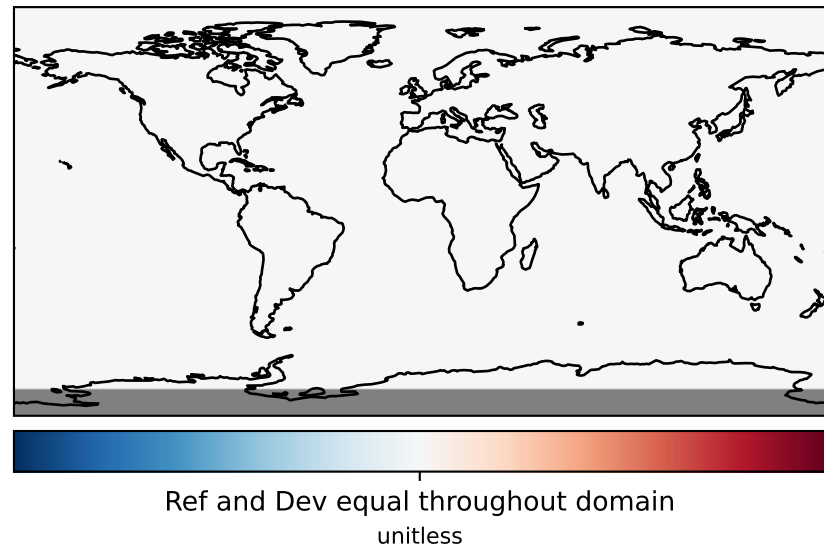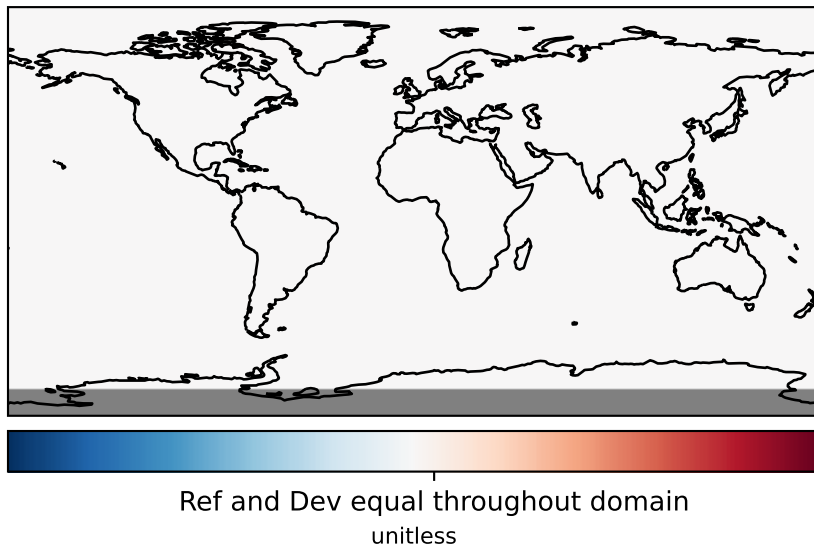s-1

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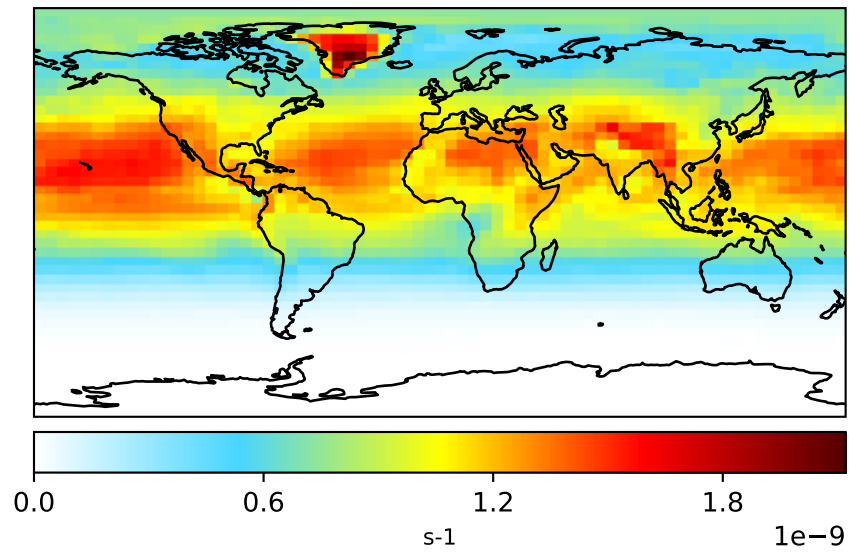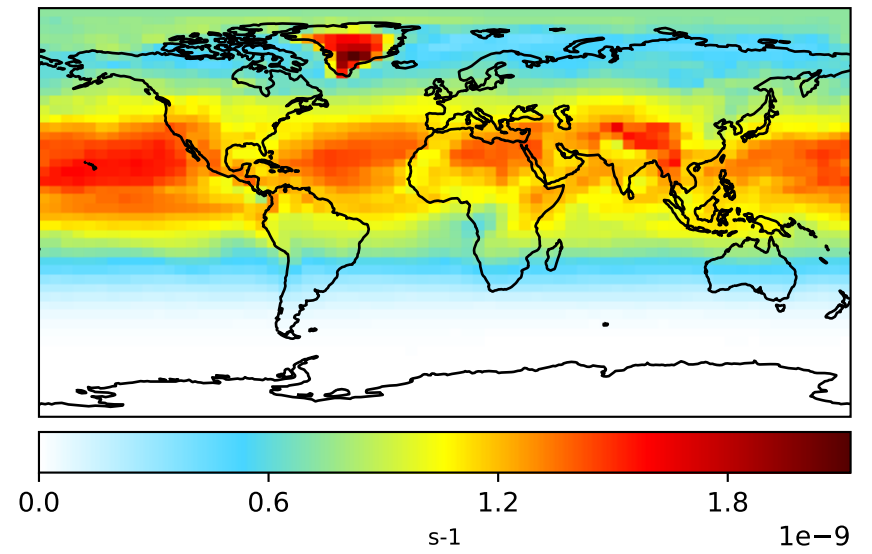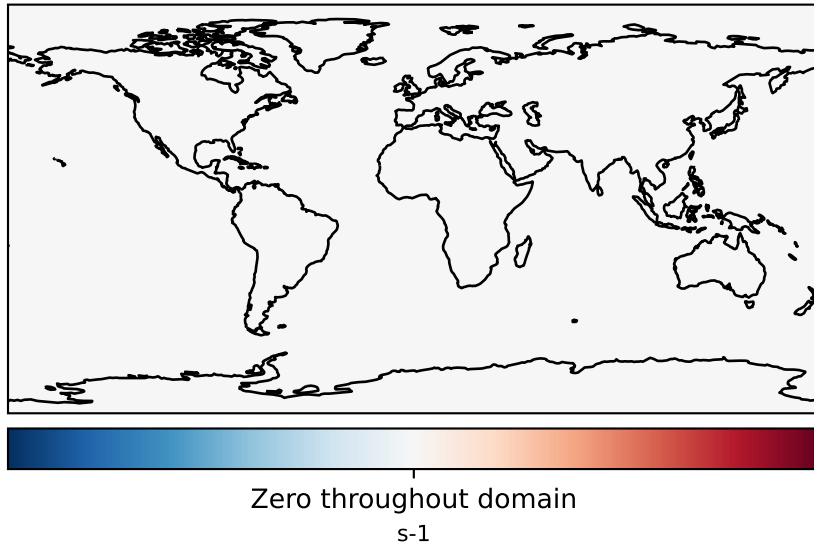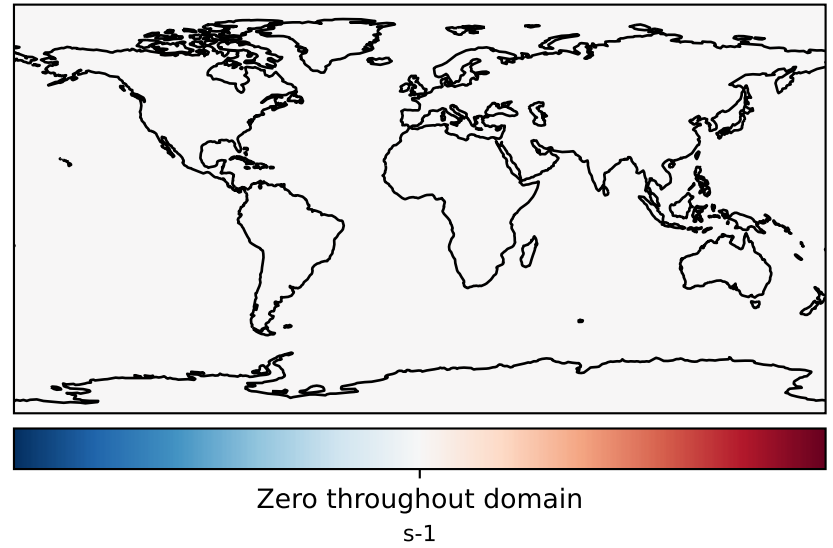
Difference
Dev - Ref, Restricted Range [5%,95%]

Zero throughout domain
s-1

Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

Ref and Dev equal throughout domain
unitless

Jval_HCFC123

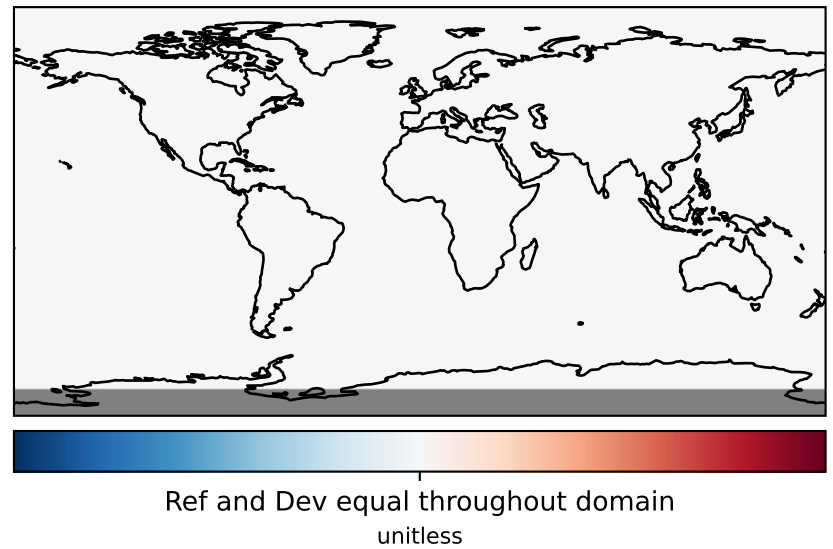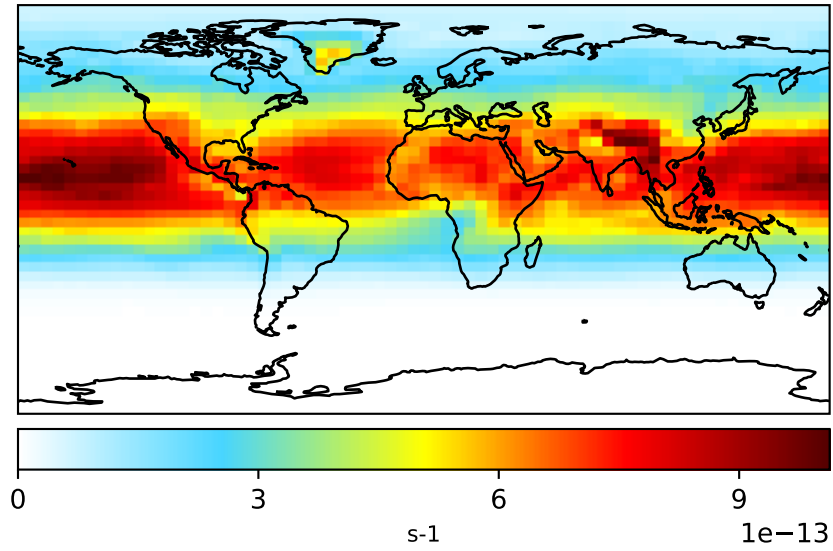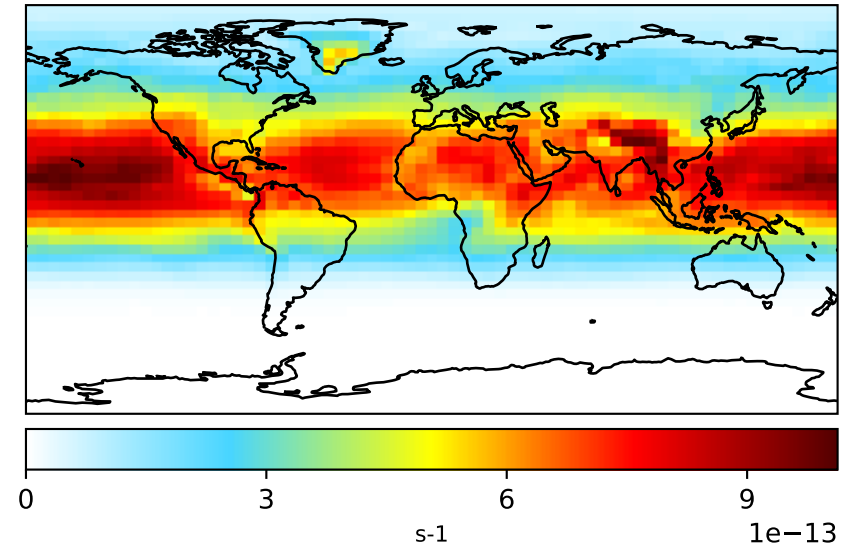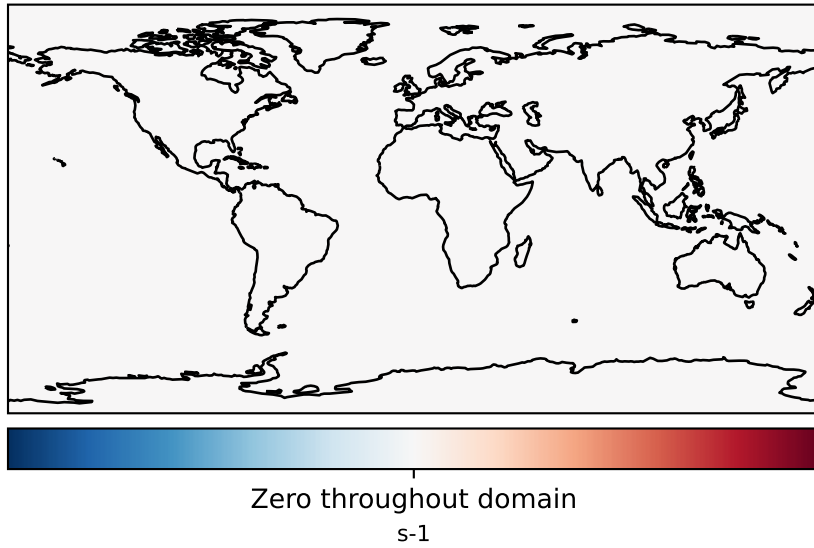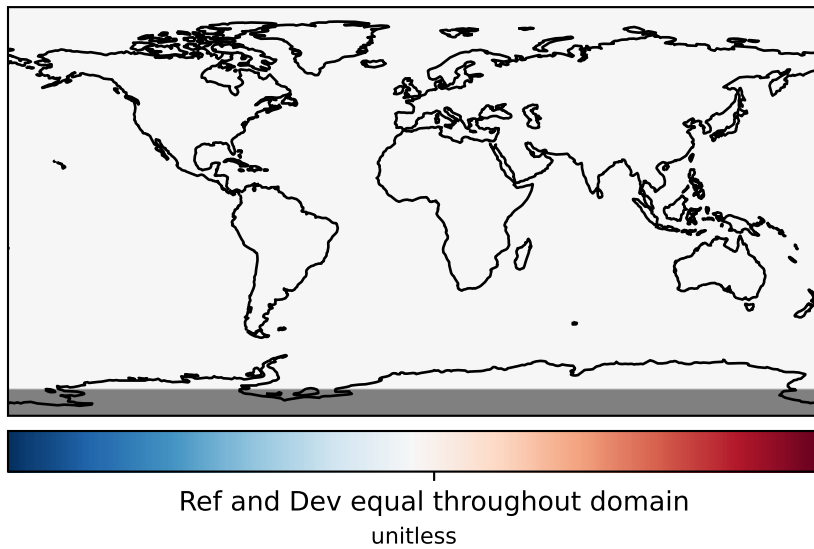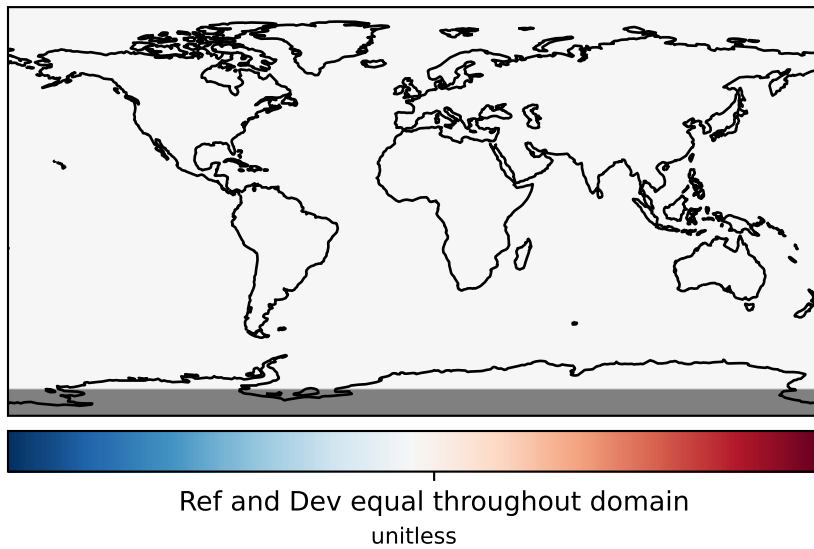gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0

gcc-4x5-1Mon-14.6.3 (Dev)
4.0x5.0

s-1   1e−18

s-1   1e−18

Difference
Dev - Ref, Dynamic Range

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

Zero throughout domain
s-1

Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

Ref and Dev equal throughout domain
unitless

Jval_HCFC141b

gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0

gcc-4x5-1Mon-14.6.3 (Dev)
4.0x5.0

s-1

s-1

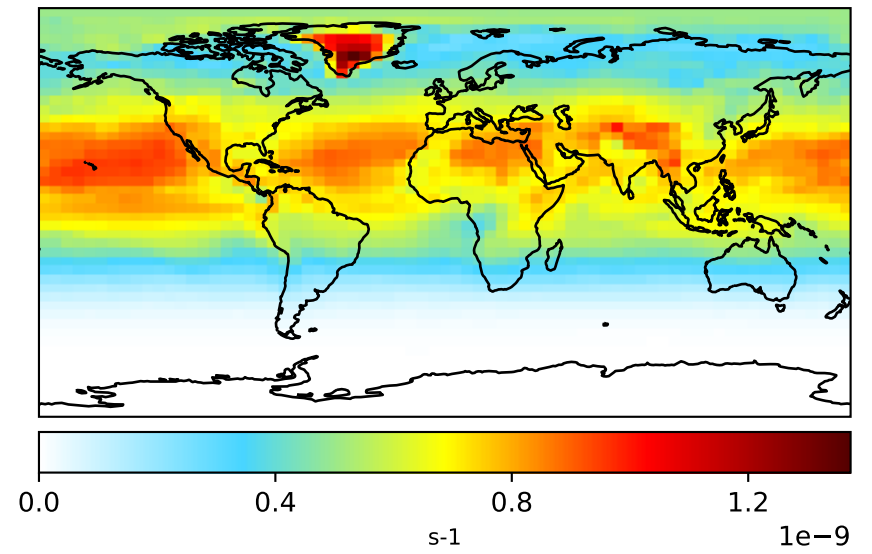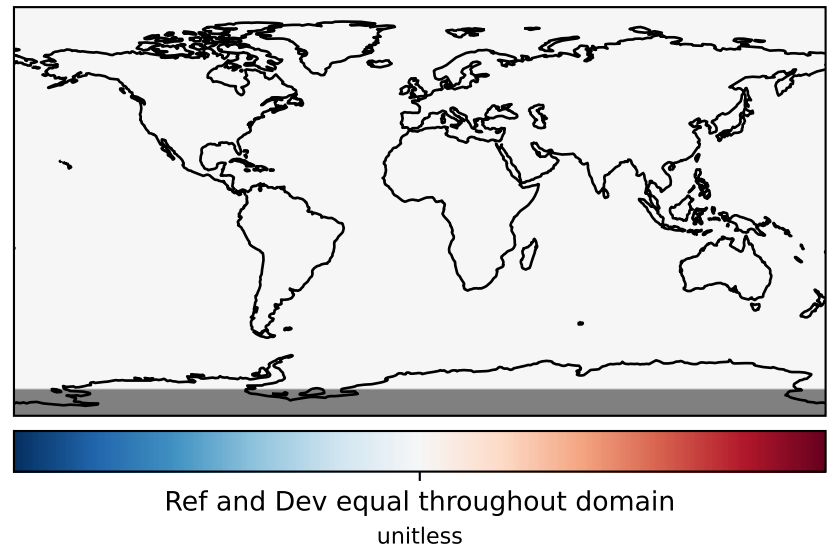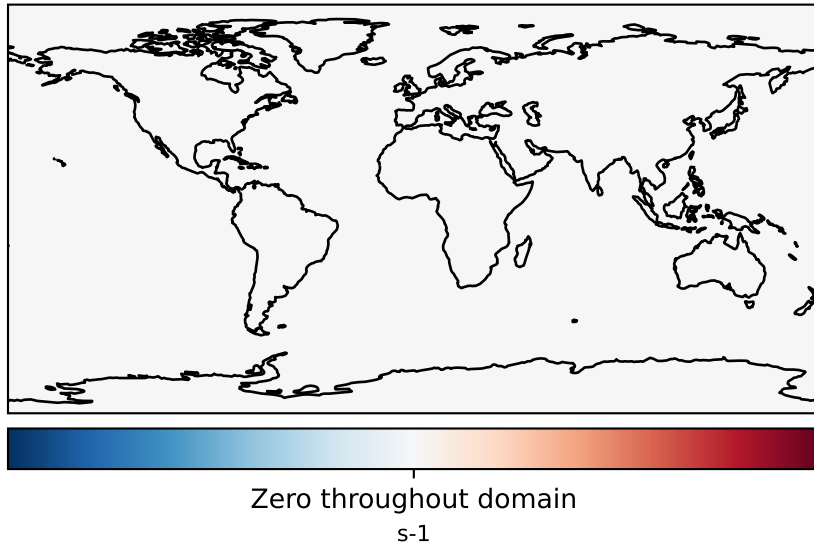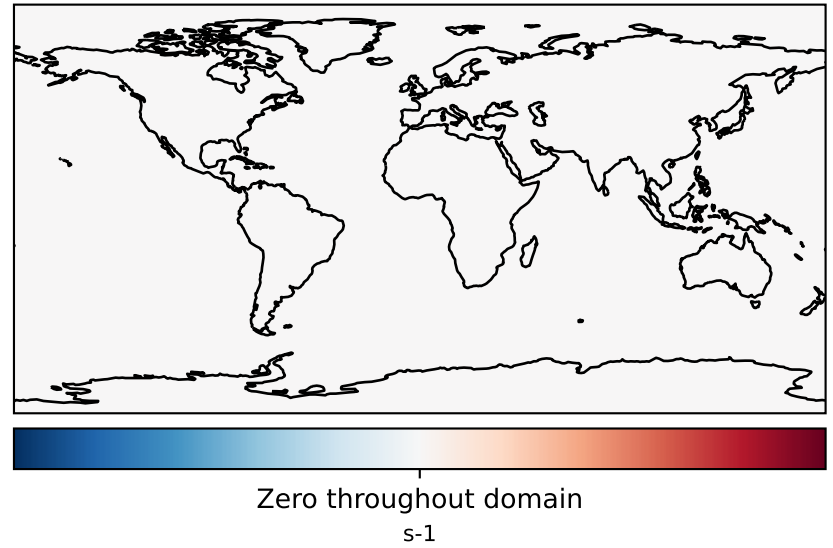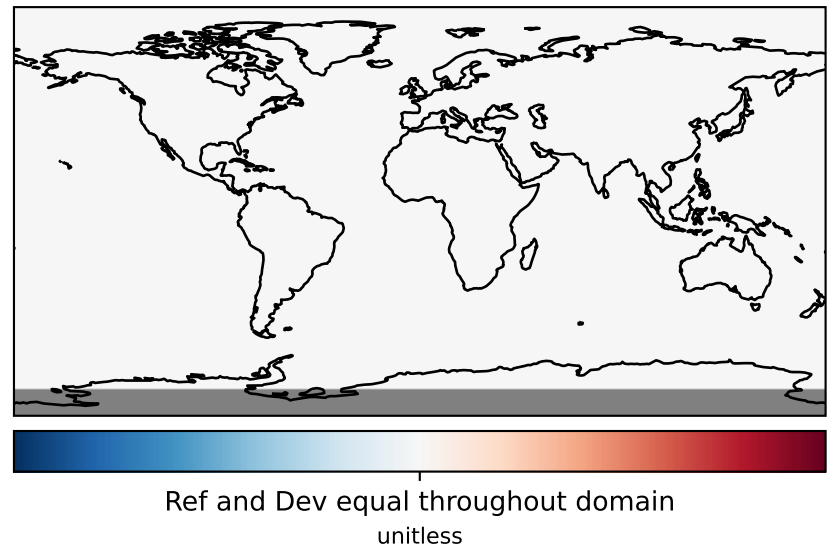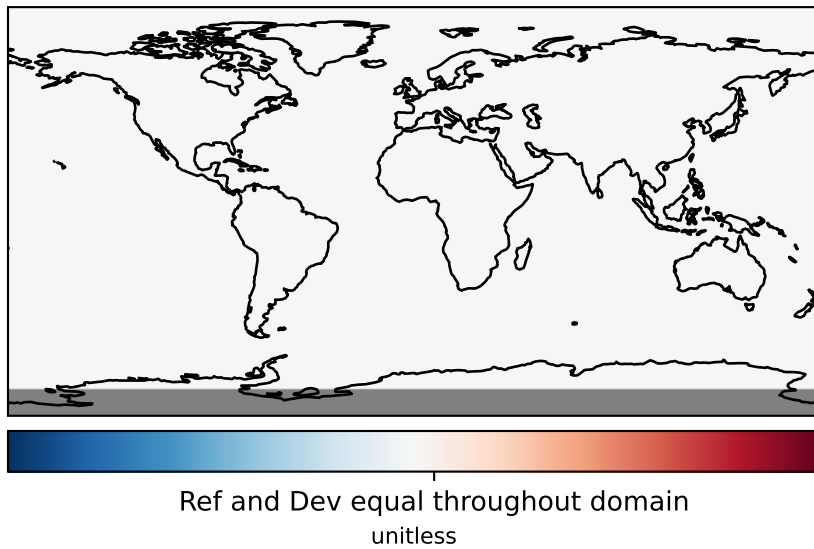Difference
Dev - Ref, Dynamic Range

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

Zero throughout domain
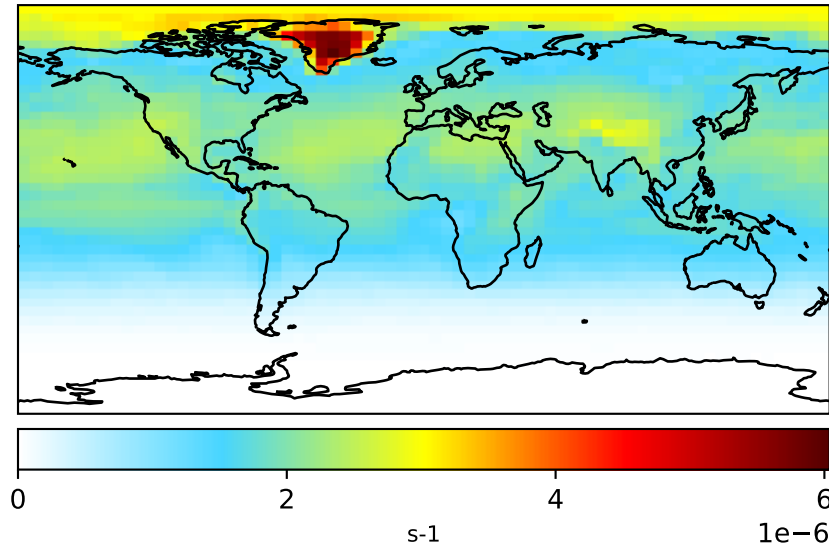s-1

Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

Ref and Dev equal throughout domain
unitless

Jval_HCFC142b

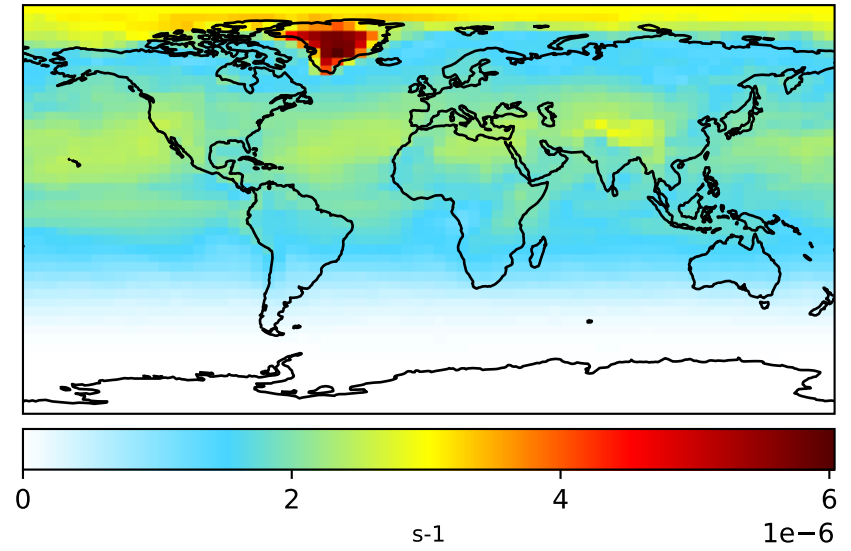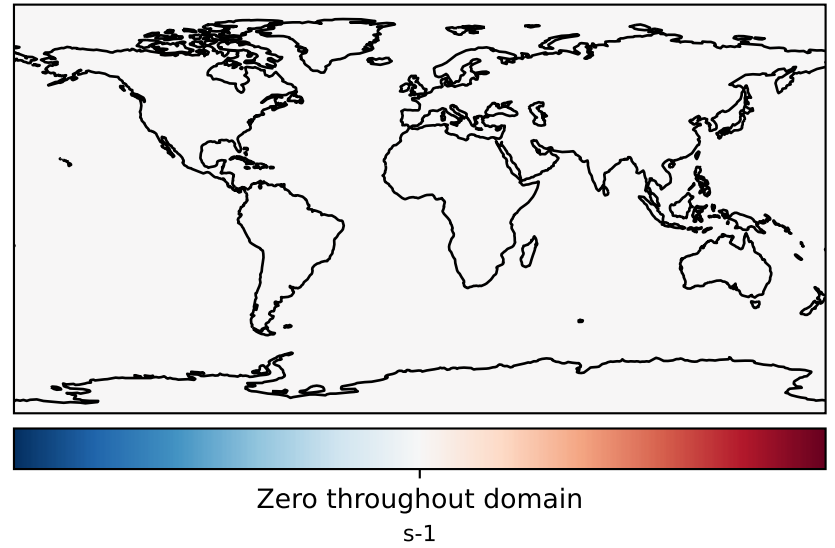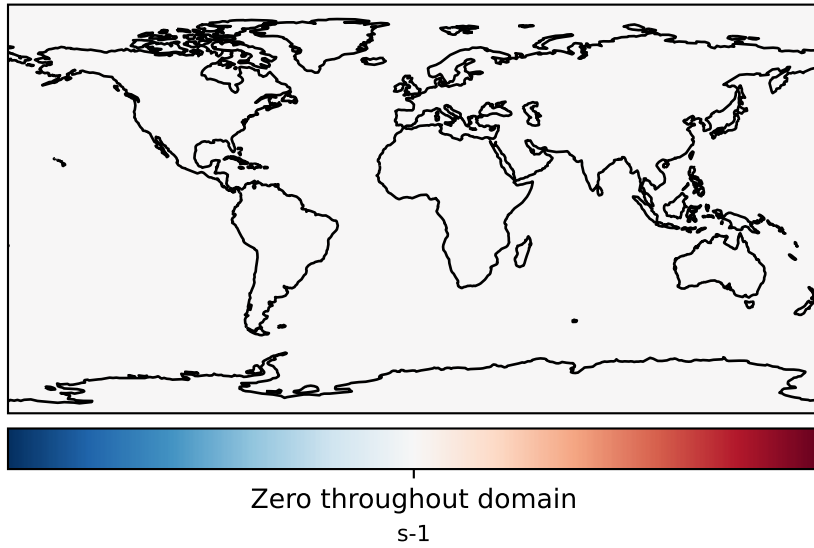# Jval_HCFC22

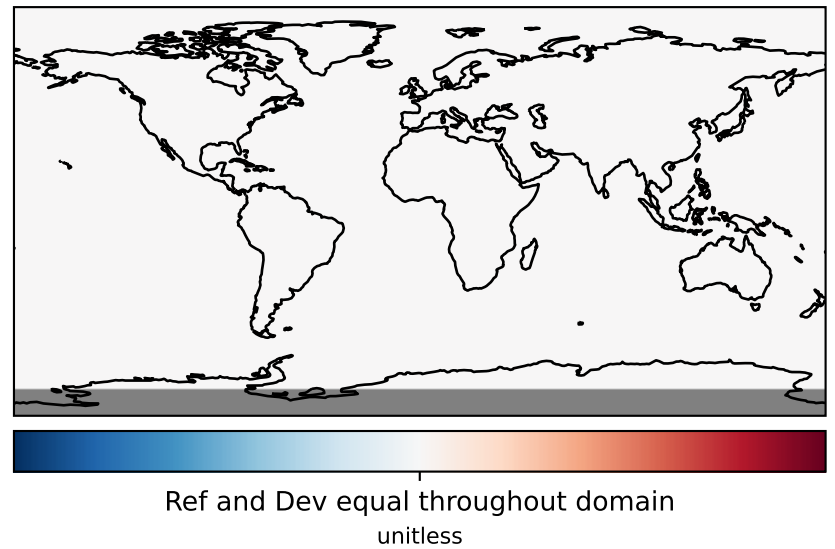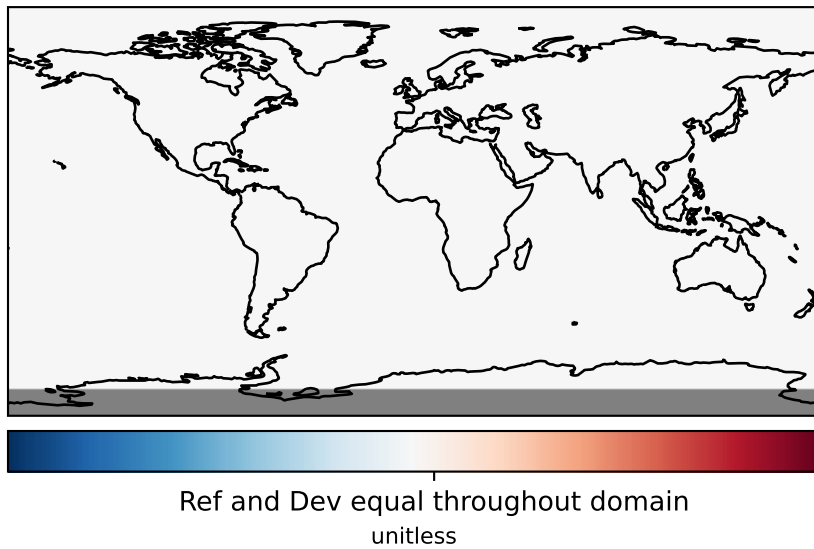| gcc-4x5-1Mon-14.6.2 (Ref) 4.0x5.0	gcc-4x5-1Mon-14.6.3 (Dev) 4.0x5.0

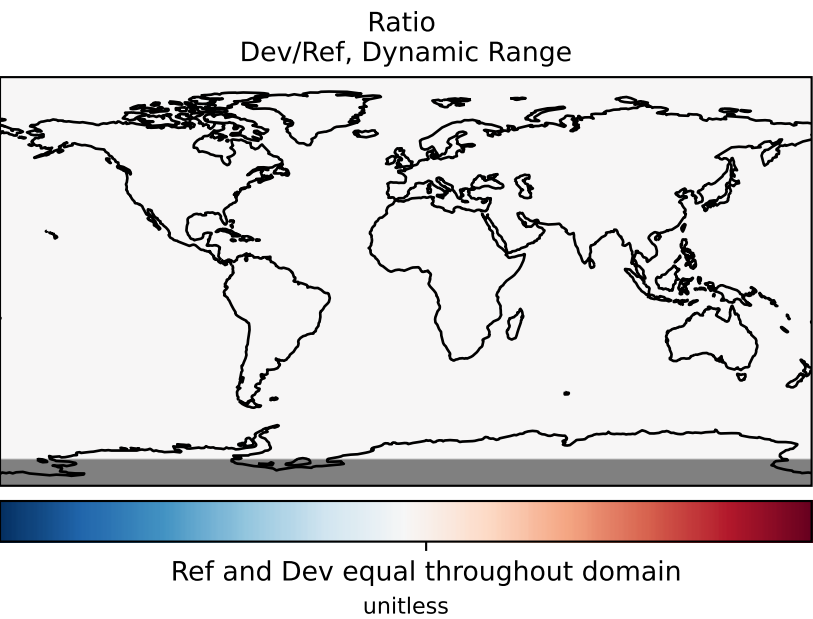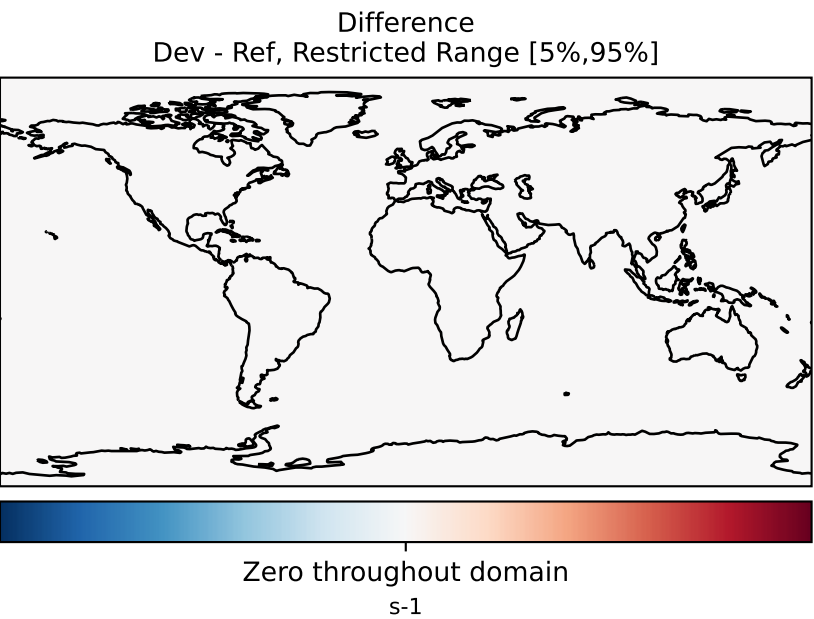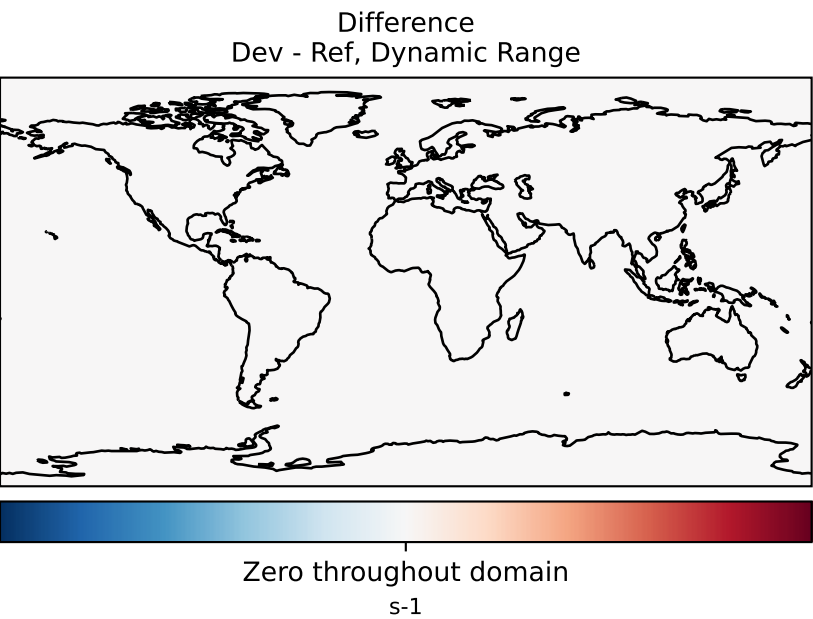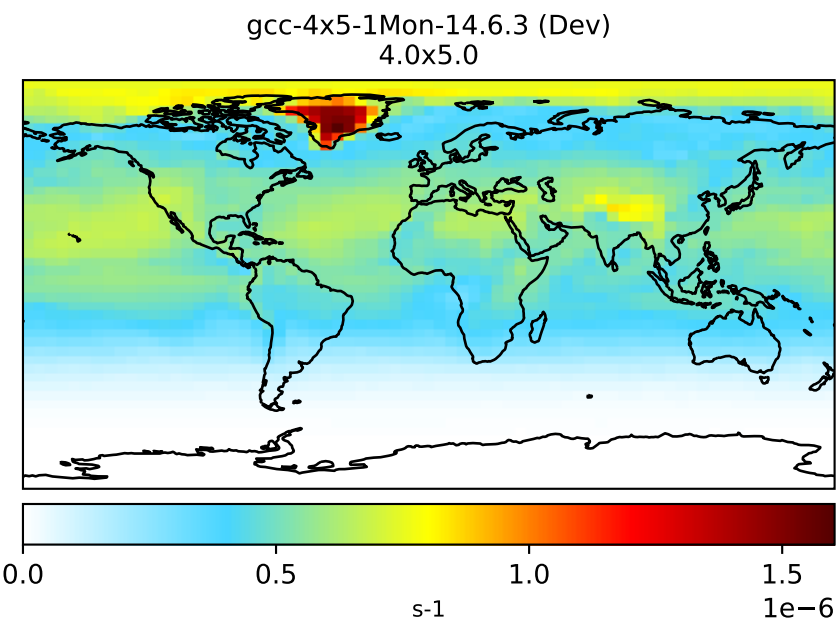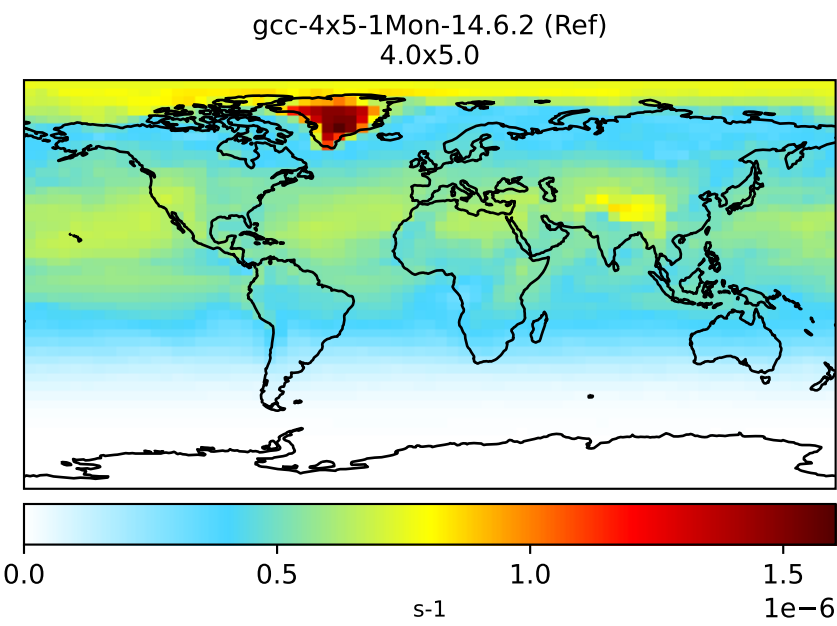| Difference Dev - Ref, Dynamic Range	Difference Dev - Ref, Restricted Range [5%,95%]

Zero throughout domain
s-1

Zero throughout domain
s-1

Ratio Dev/Ref, Dynamic Range	Ratio Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

Ref and Dev equal throughout domain
unitless

Jval_HMHP

gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0

gcc-4x5-1Mon-14.6.3 (Dev)
4.0x5.0

s-1

1e−6

s-1

1e−6

Difference
Dev - Ref, Dynamic Range

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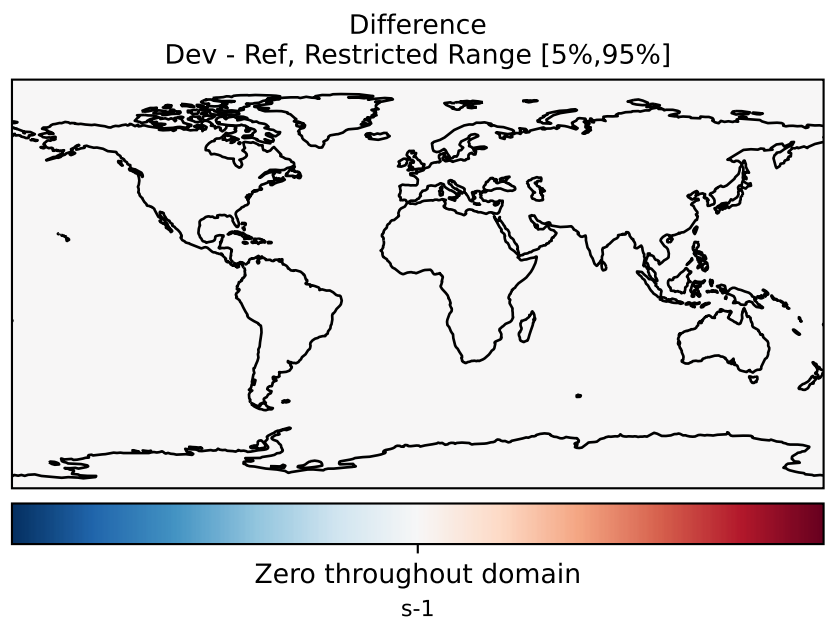Dev - Ref, Restricted Range [5%,95%]

Zero throughout domain
s-1

Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
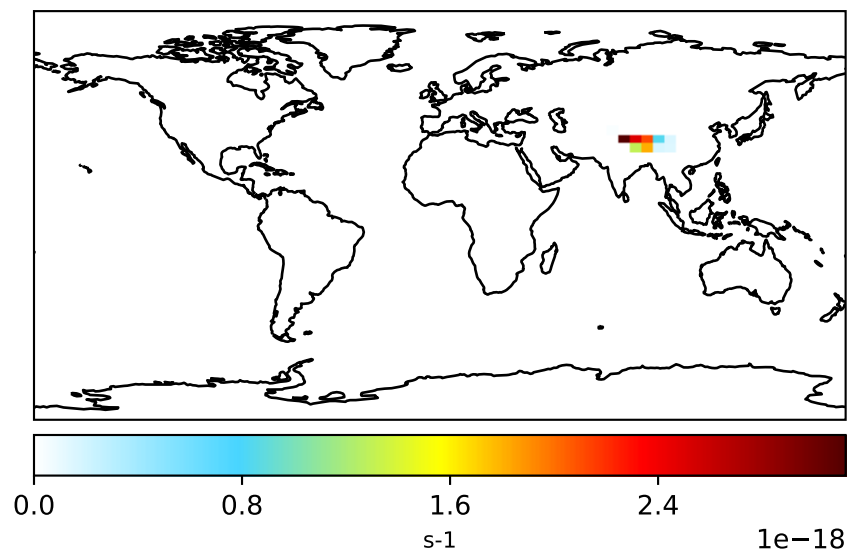unitless

Ref and Dev equal throughout domain
unitless

Jval_HNO2

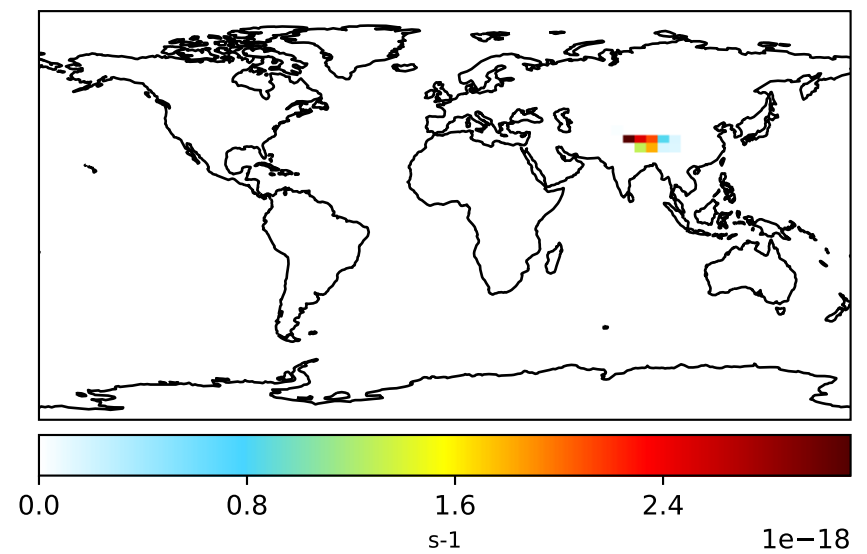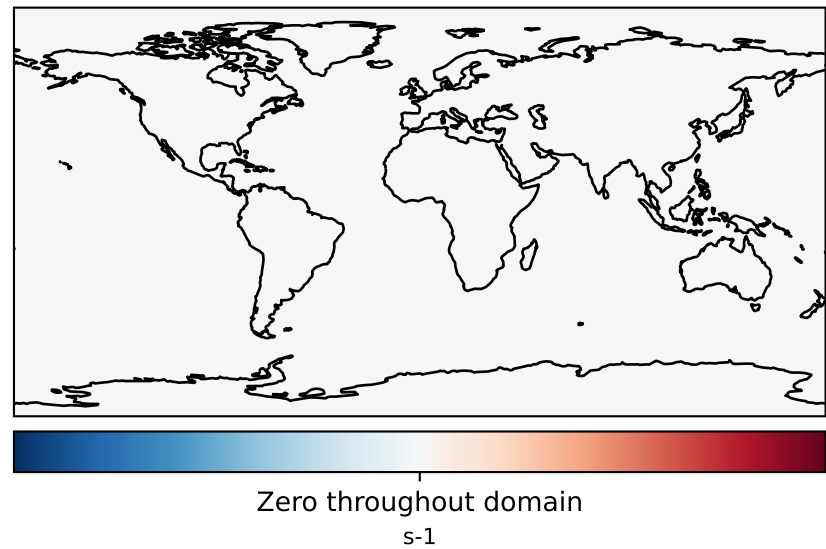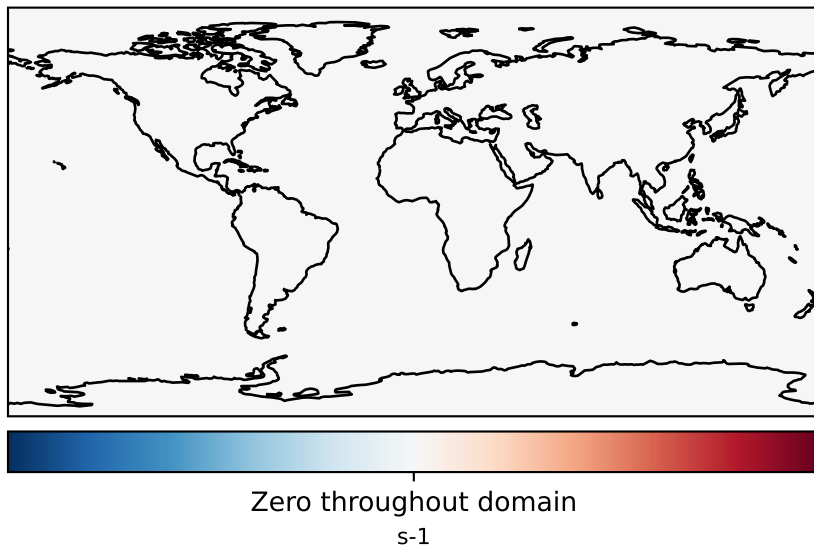# Jval_HNO3

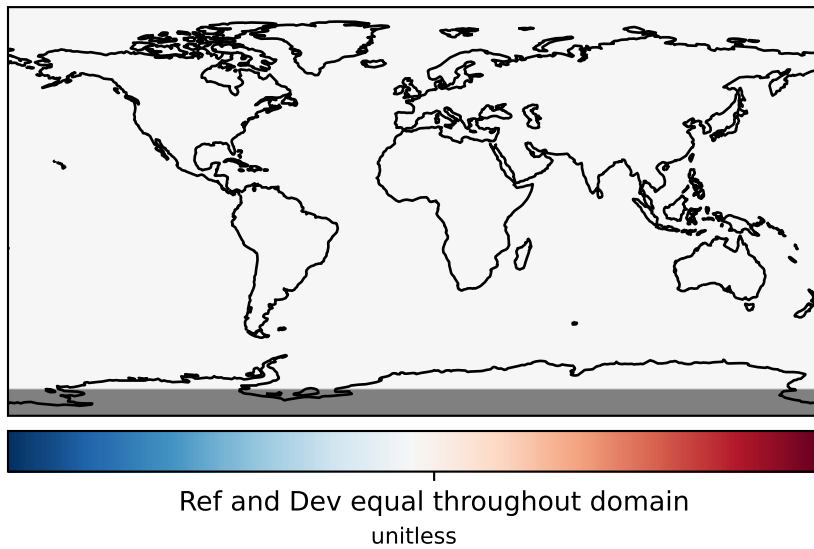gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0

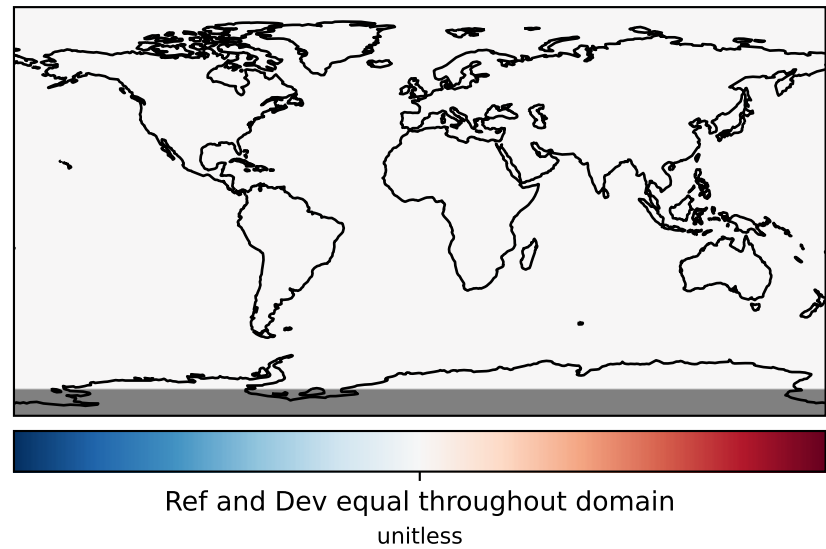gcc-4x5-1Mon-14.6.3 (Dev)
4.0x5.0

Difference
Dev - Ref, Dynamic Range

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

Zero throughout domain
s-1
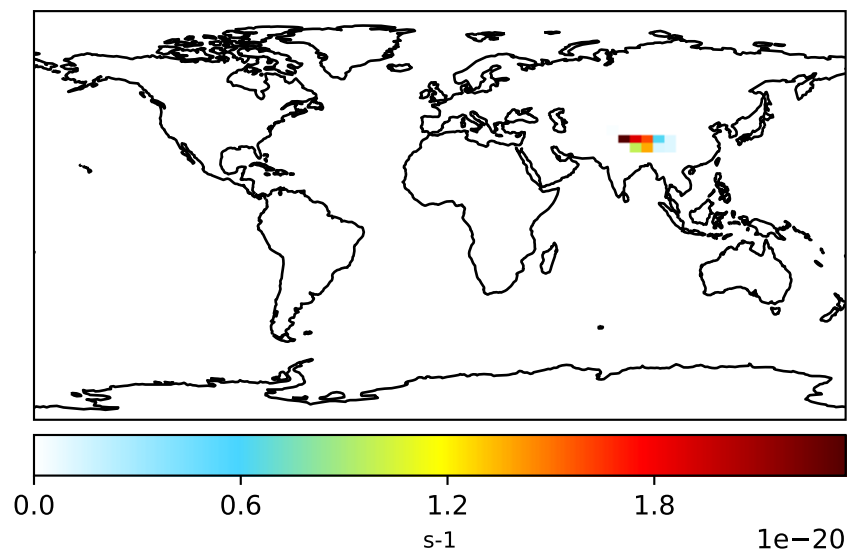
Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
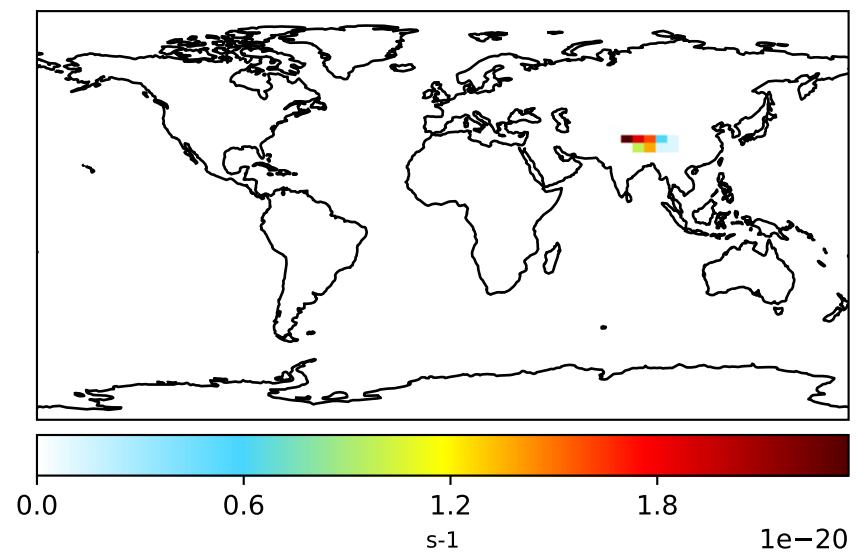unitless

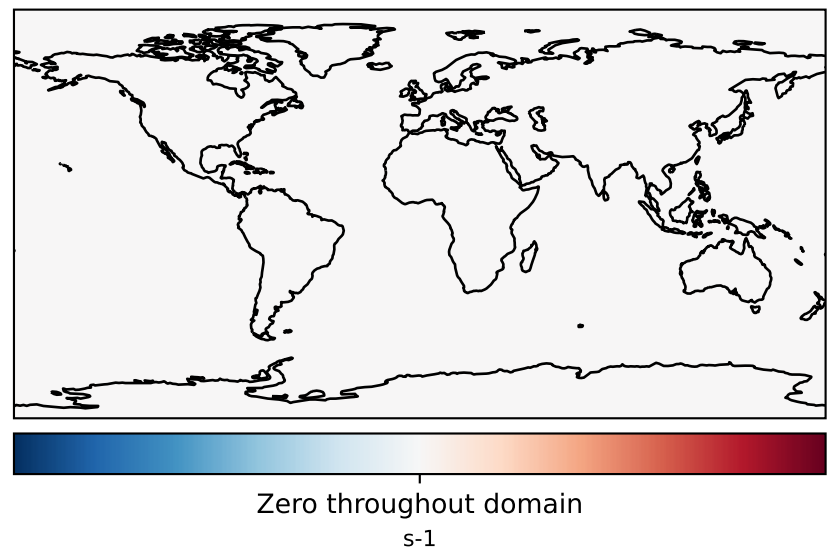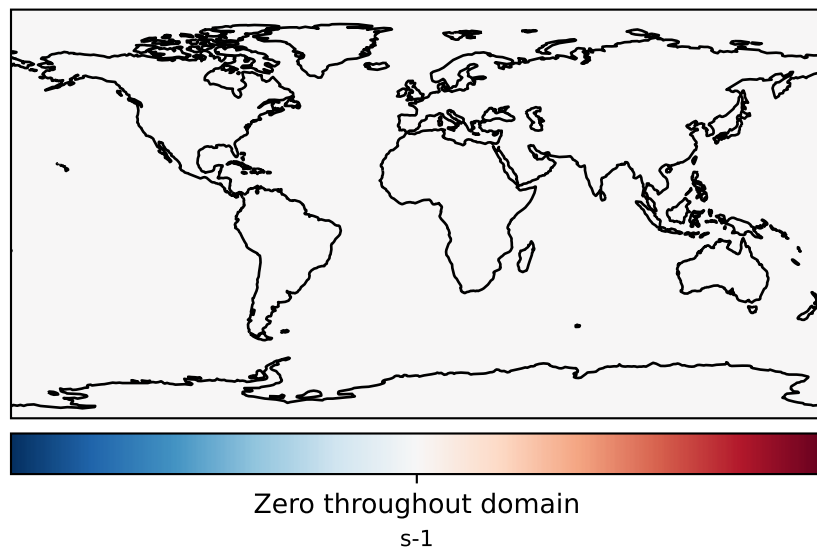Ref and Dev equal throughout domain
unitless

Jval_HNO4

gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0

gcc-4x5-1Mon-14.6.3 (Dev)
4.0x5.0

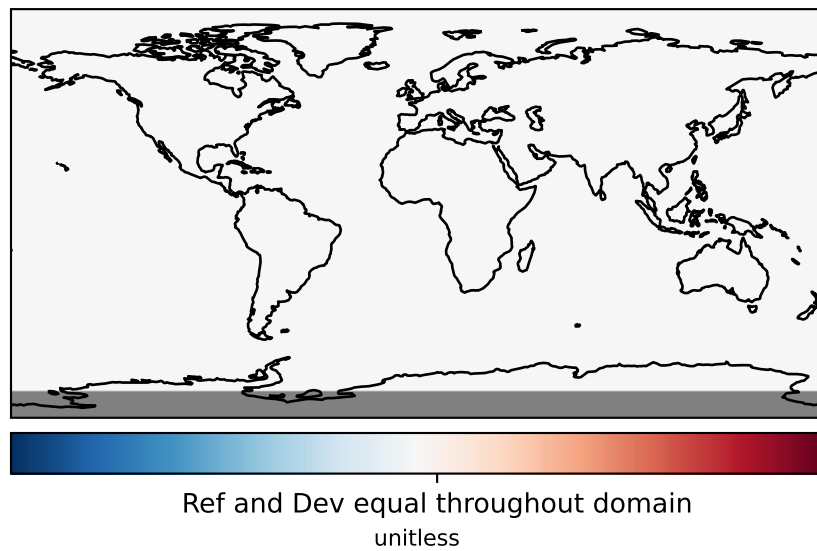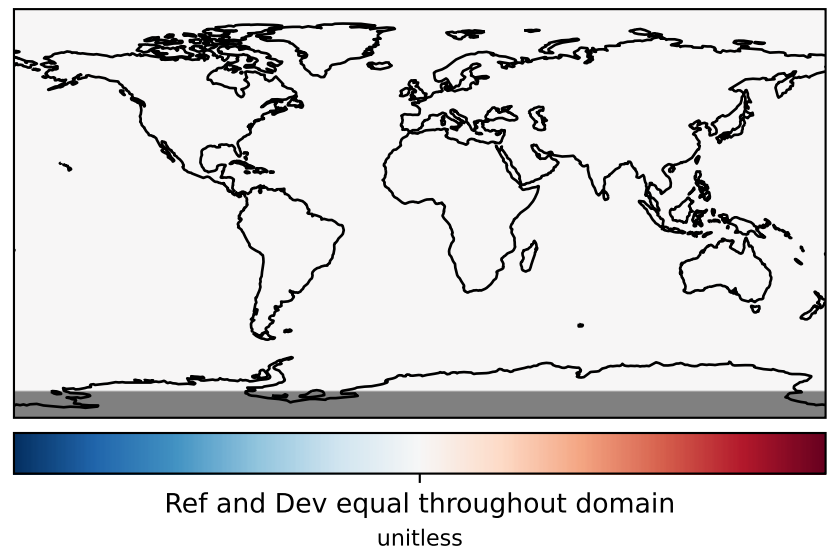Difference
Dev − Ref, Dynamic Range

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

Zero throughout domain
s-1
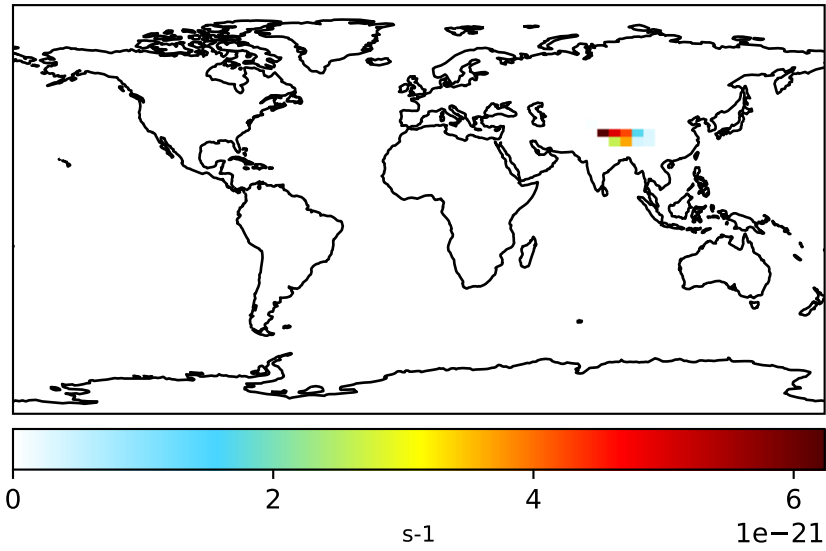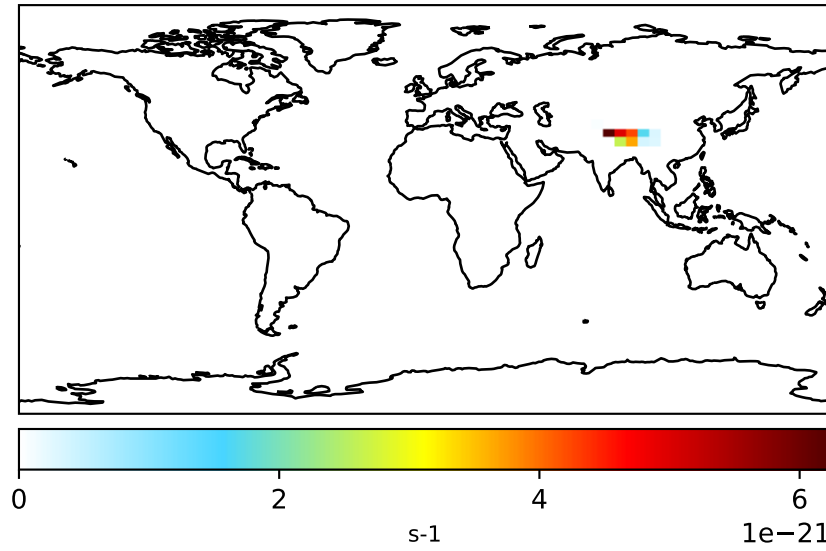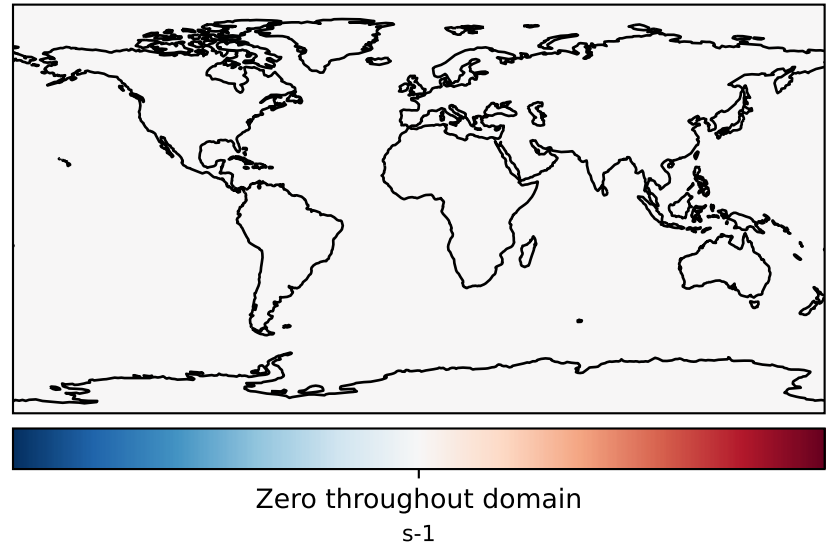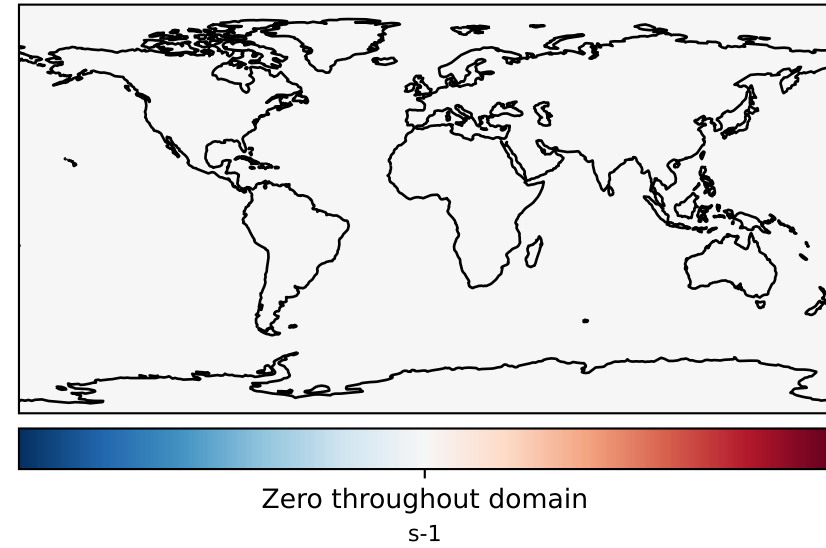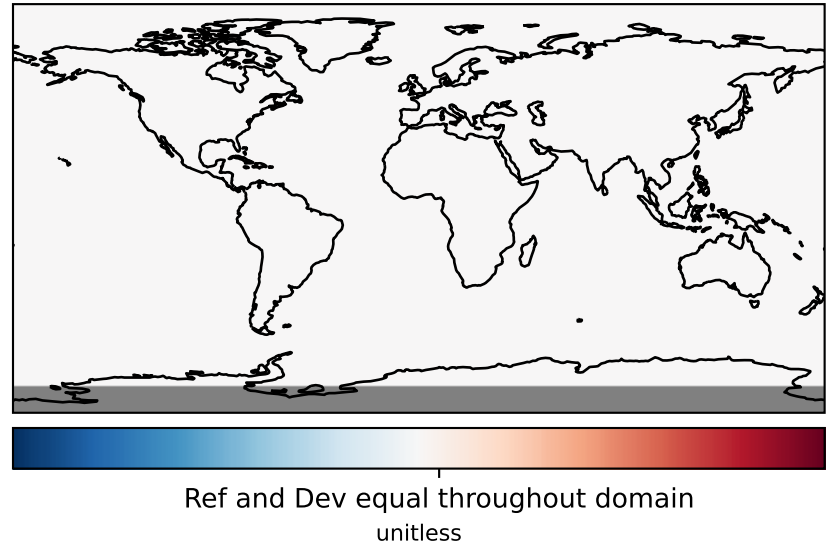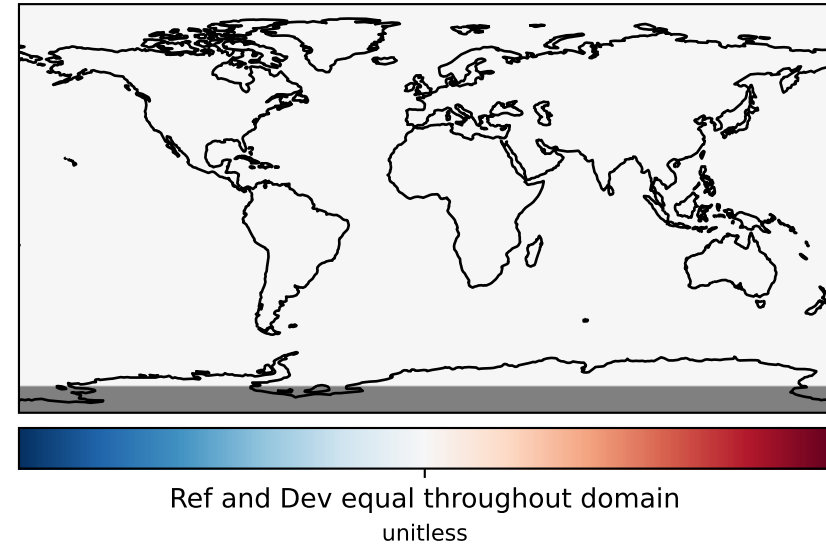
Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

Ref and Dev equal throughout domain
unitless

Jval_HO2

gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0

Zero throughout domain
s-1

gcc-4x5-1Mon-14.6.3 (Dev)
4.0x5.0

Zero throughout domain
s-1

Difference
Dev - Ref, Dynamic Range

Zero throughout domain
s-1

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

Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Undefined throughout domain
unitless

Ratio
Dev/Ref, Fixed Range

Undefined throughout domain
unitless

Jval_HOBr

gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0
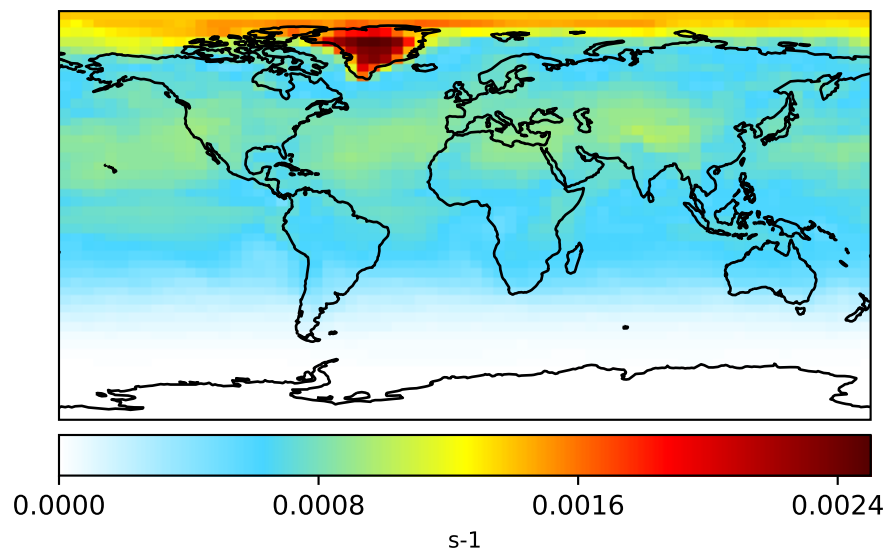
gcc-4x5-1Mon-14.6.3 (Dev)
4.0x5.0

s-1

s-1

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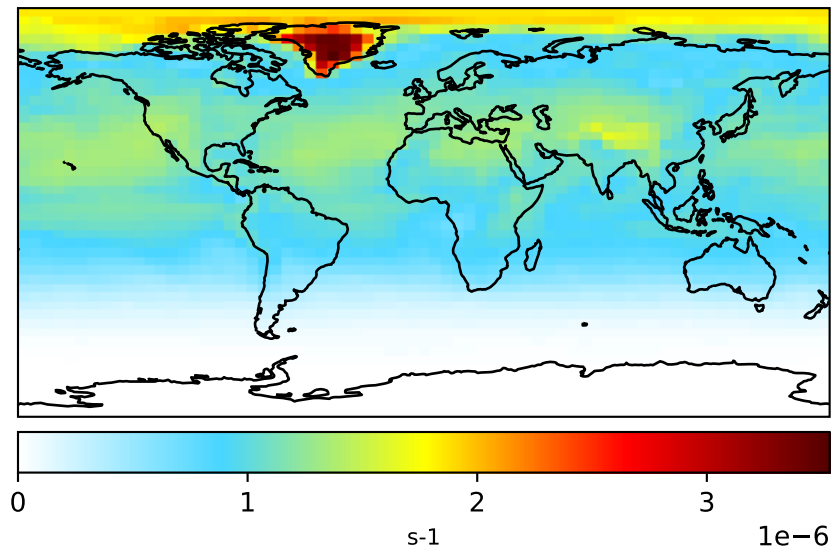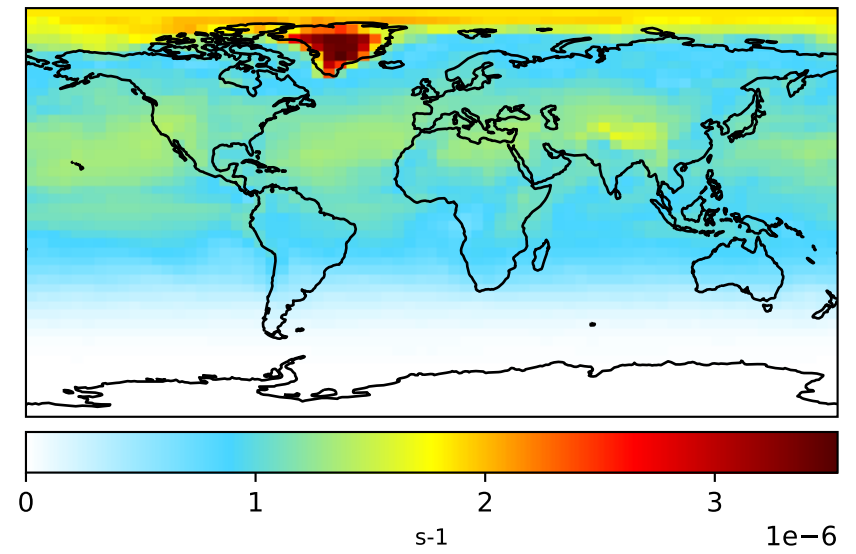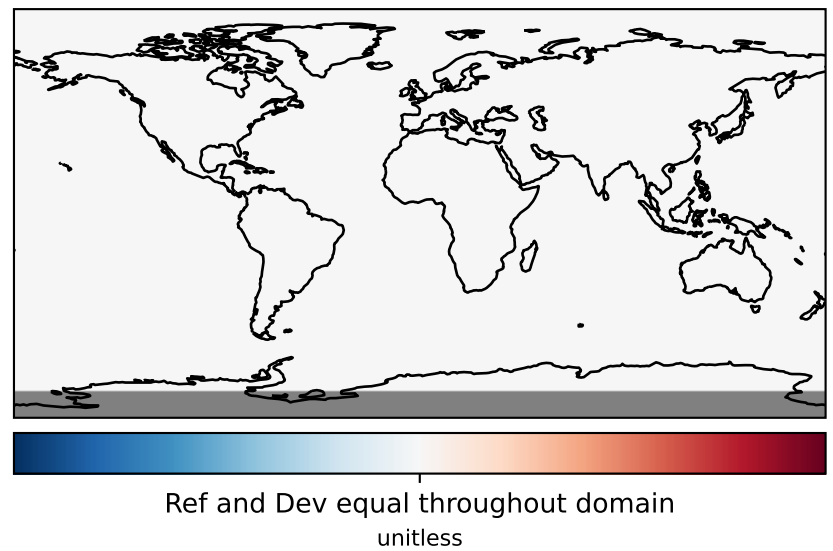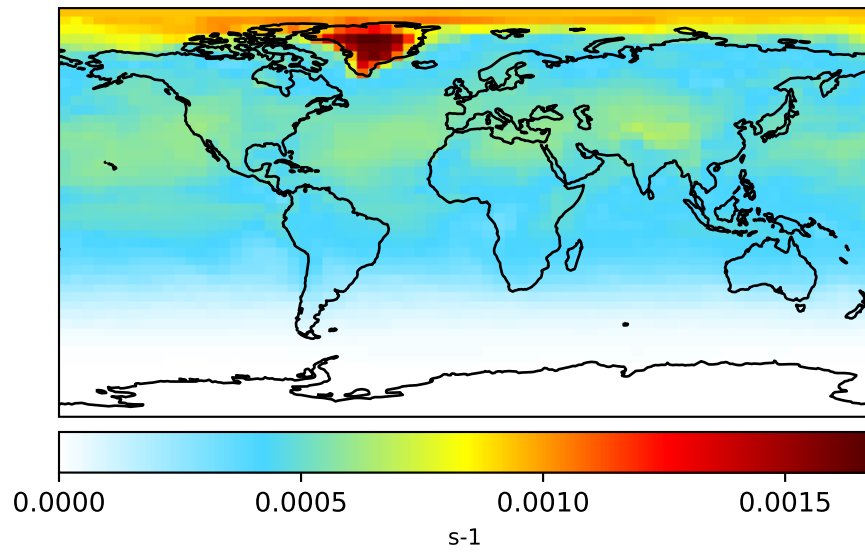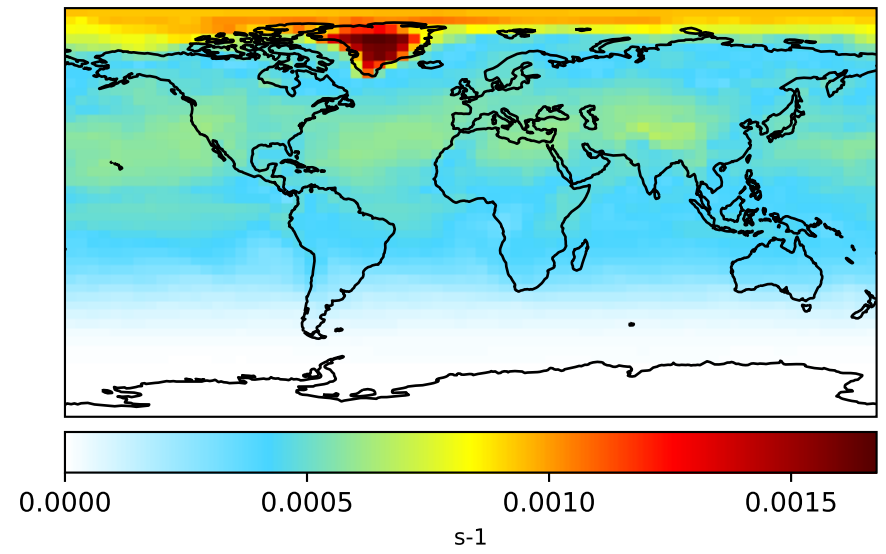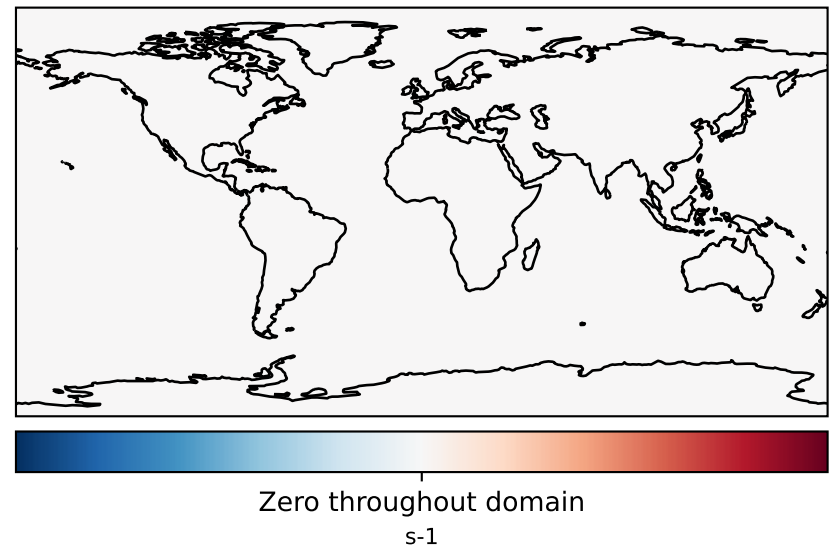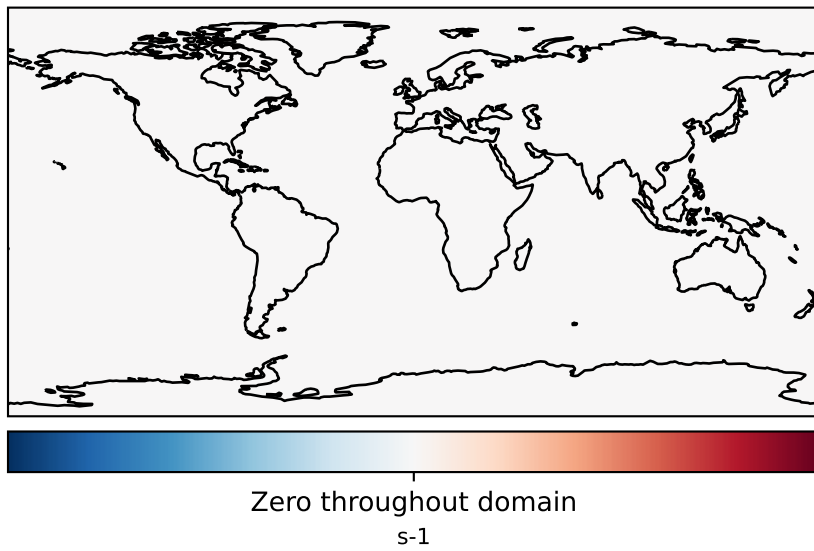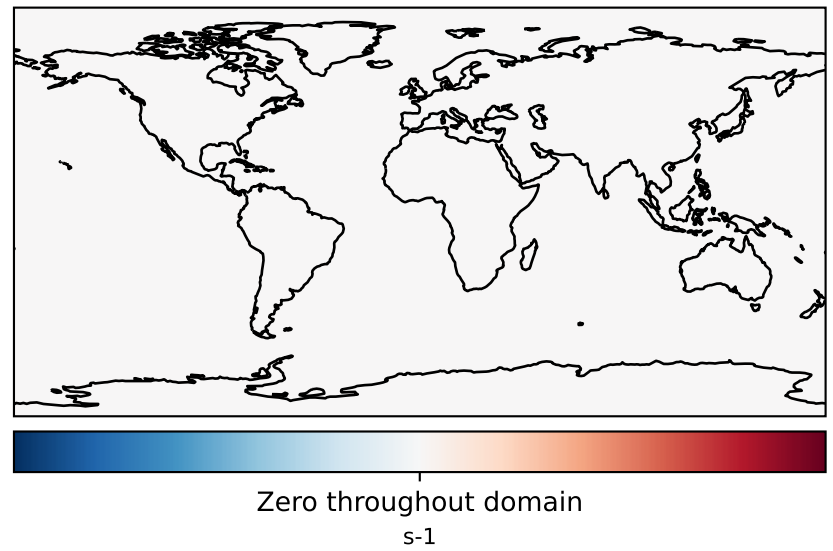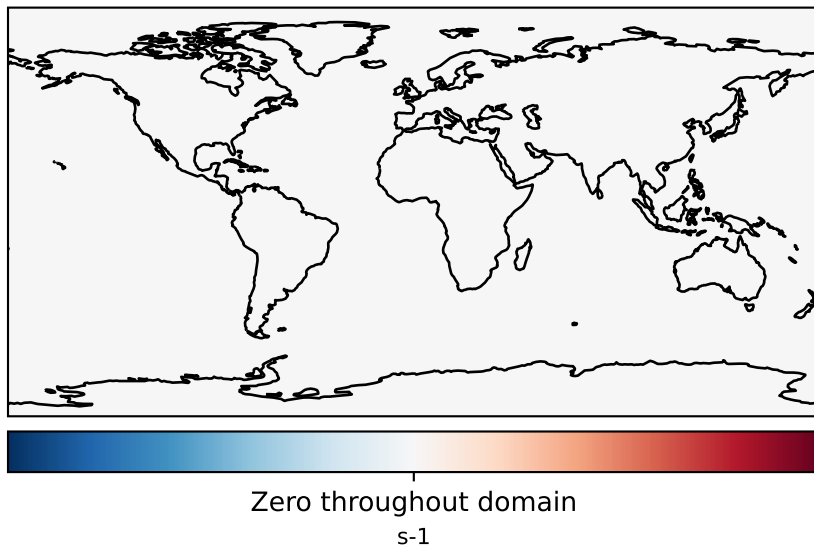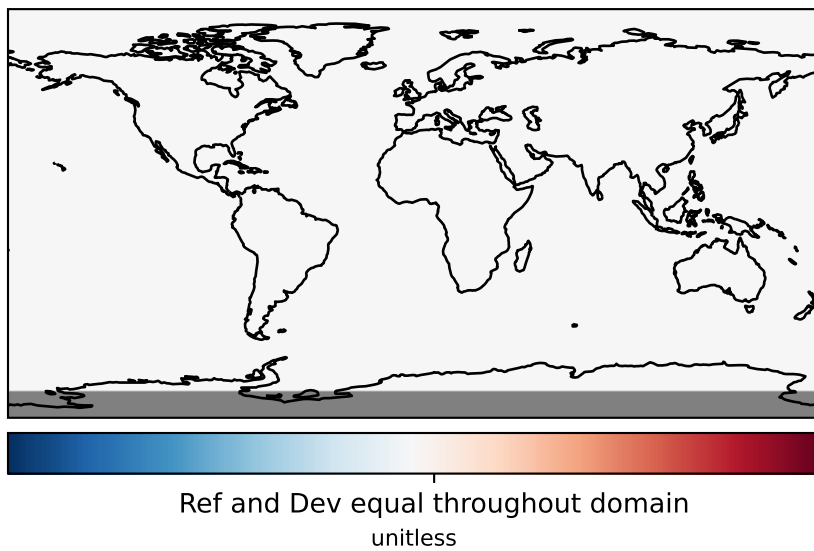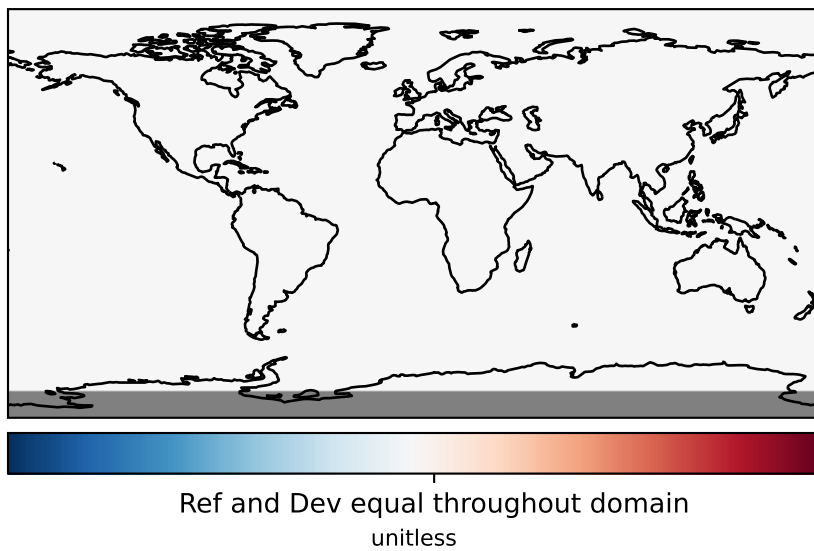
Difference
Dev - Ref, Restricted Range [5%,95%]

Zero throughout domain
s-1

Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

Ref and Dev equal throughout domain
unitless

Jval_HOCl

gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0

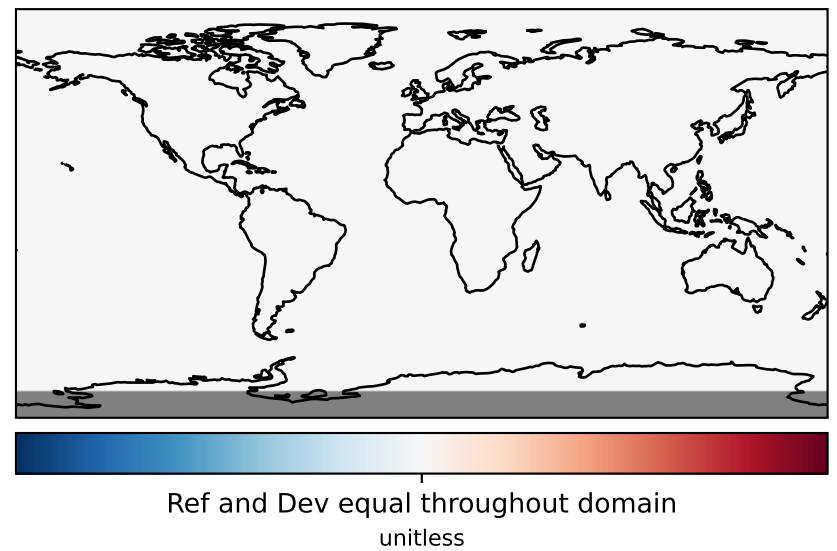gcc-4x5-1Mon-14.6.3 (Dev)
4.0x5.0

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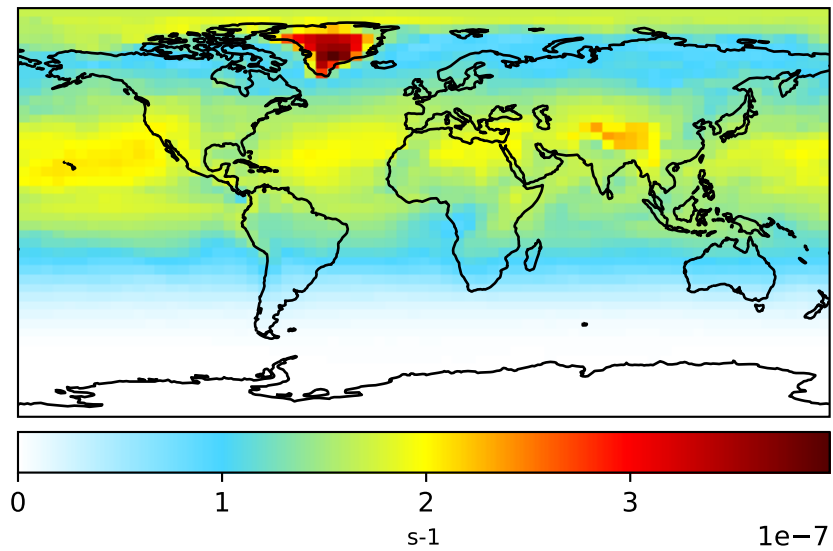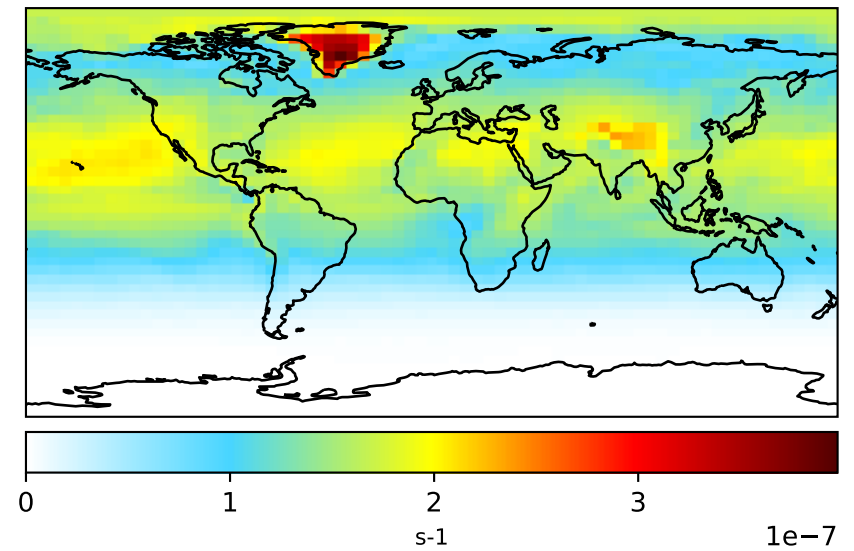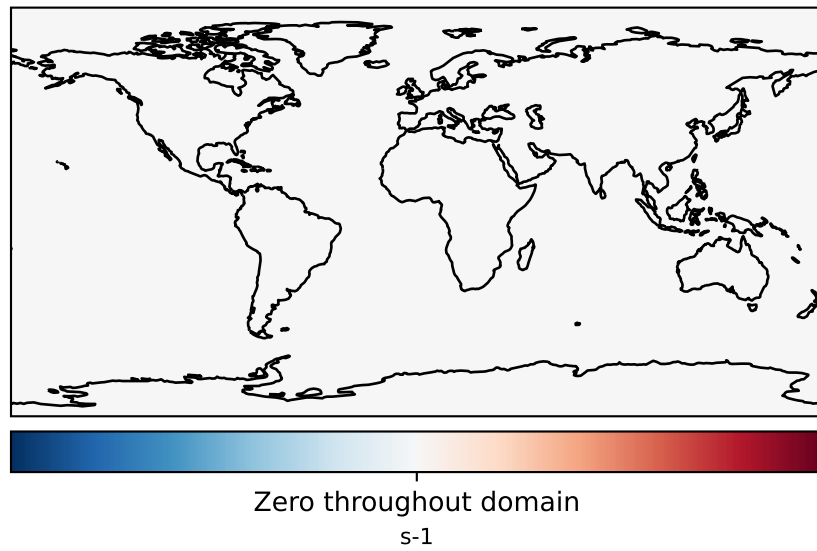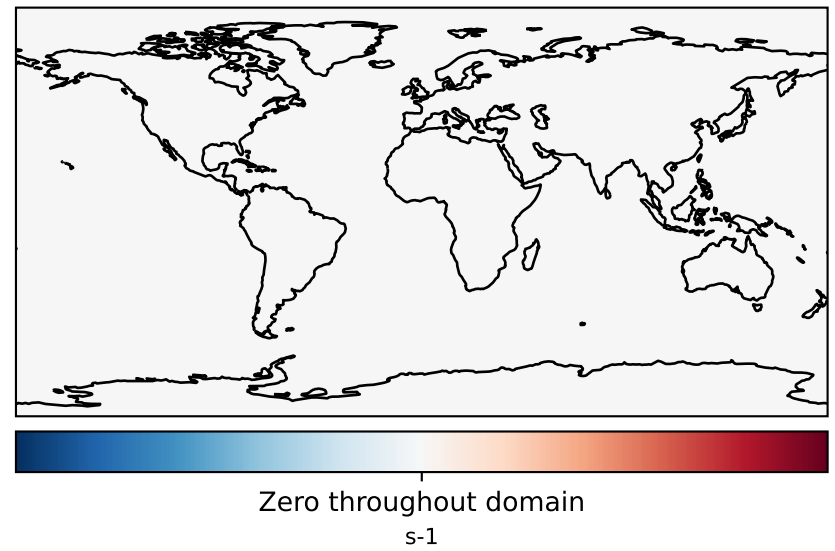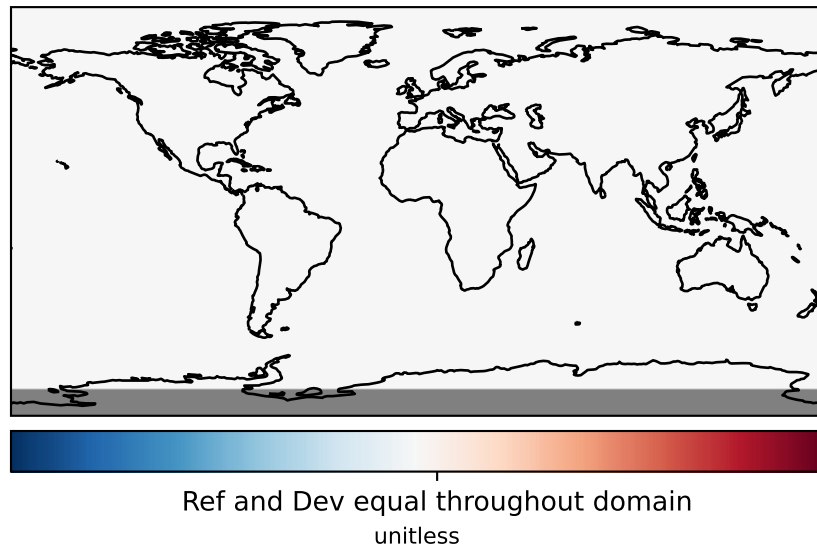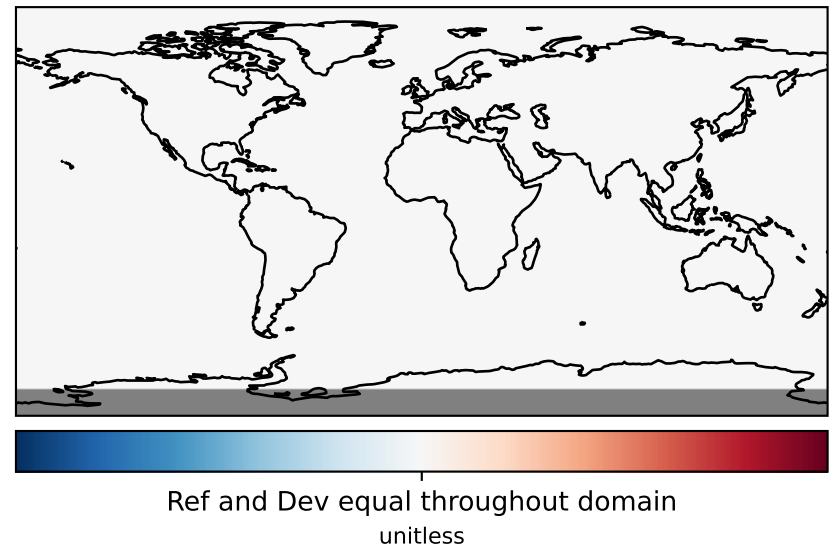
Difference
Dev - Ref, Restricted Range [5%,95%]

Zero throughout domain
s-1

Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

Ref and Dev equal throughout domain
unitless

Jval_HOI

gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0

gcc-4x5-1Mon-14.6.3 (Dev)
4.0x5.0

s-1

s-1

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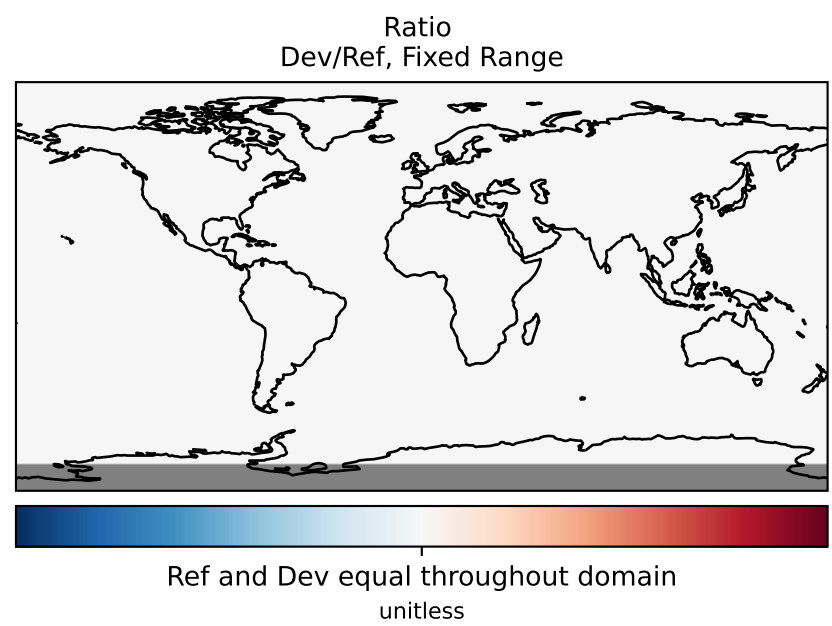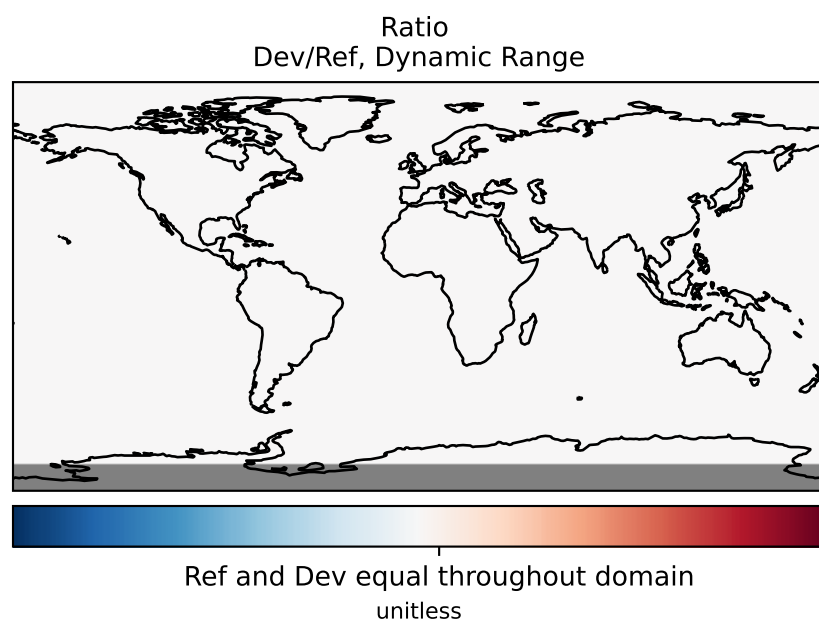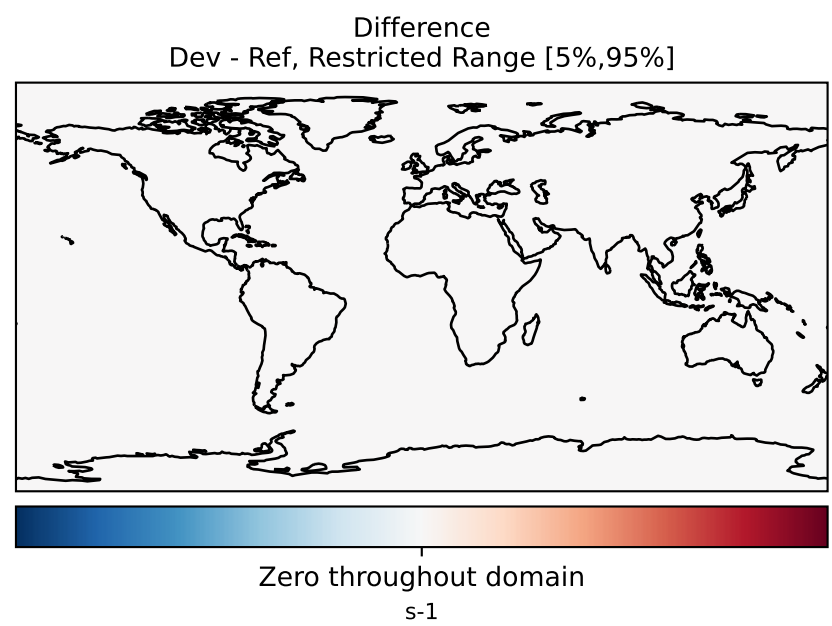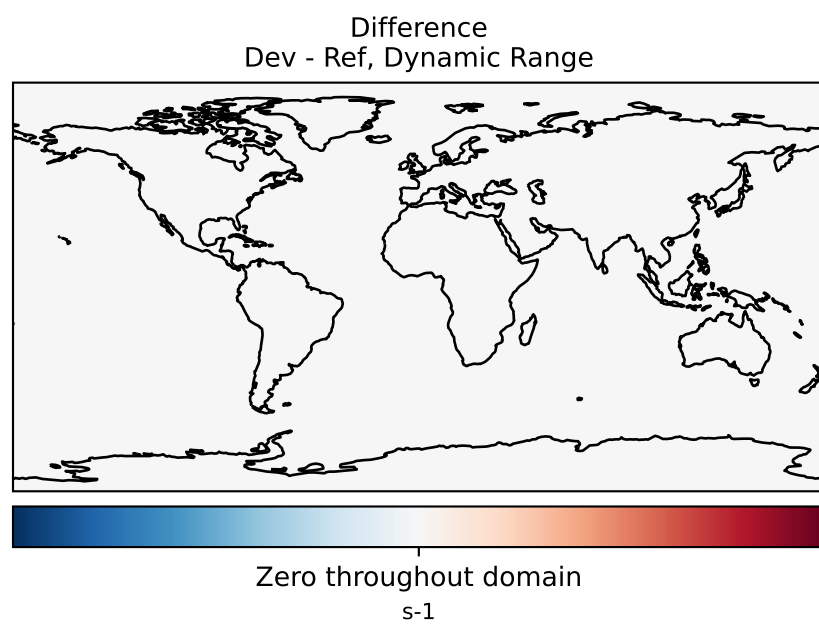
Difference
Dev - Ref, Restricted Range [5%,95%]

Zero throughout domain
s-1

Zero throughout domain
s-1
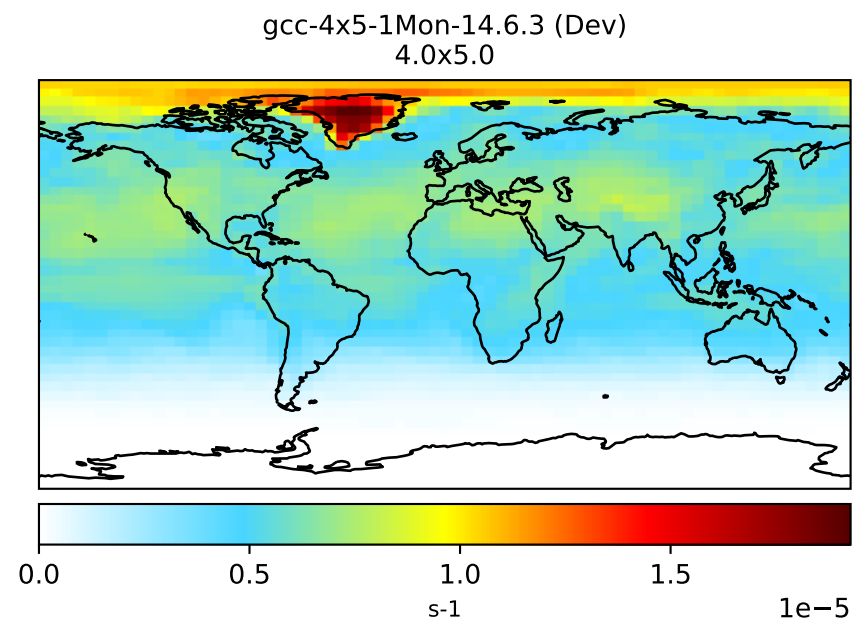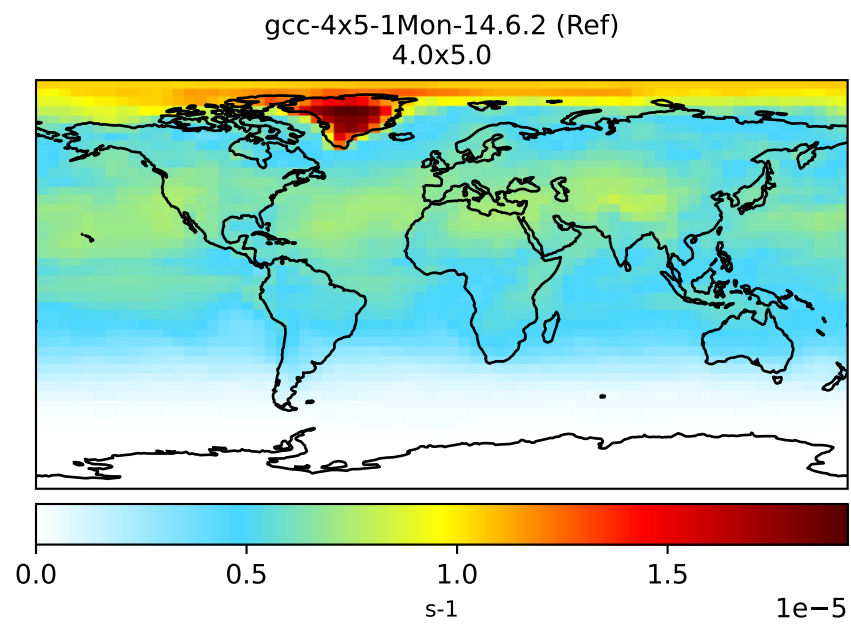
Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
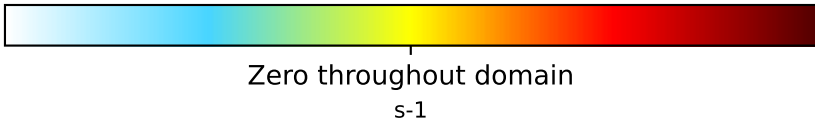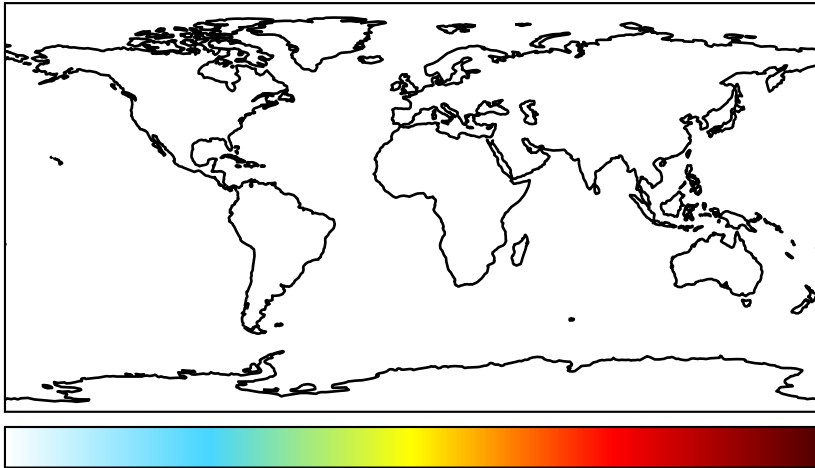unitless

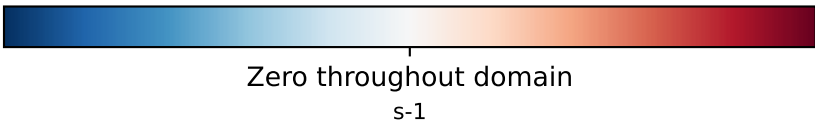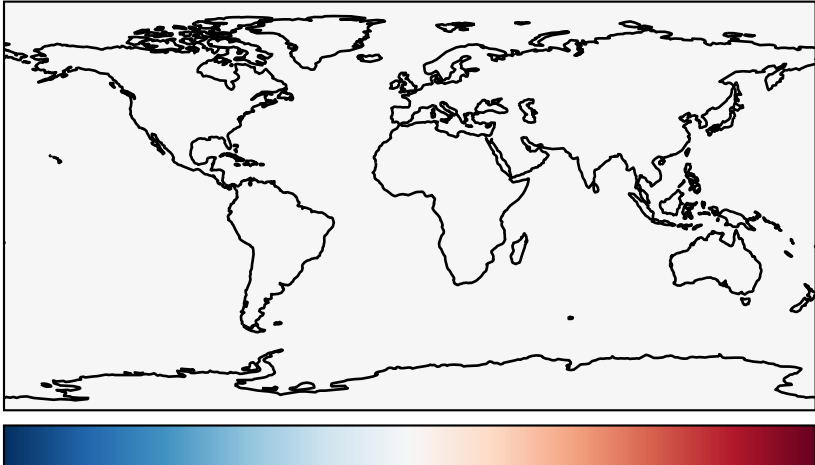Ref and Dev equal throughout domain
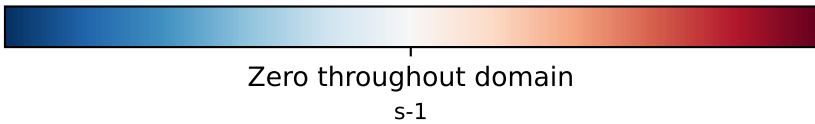unitless

Jval_HONIT

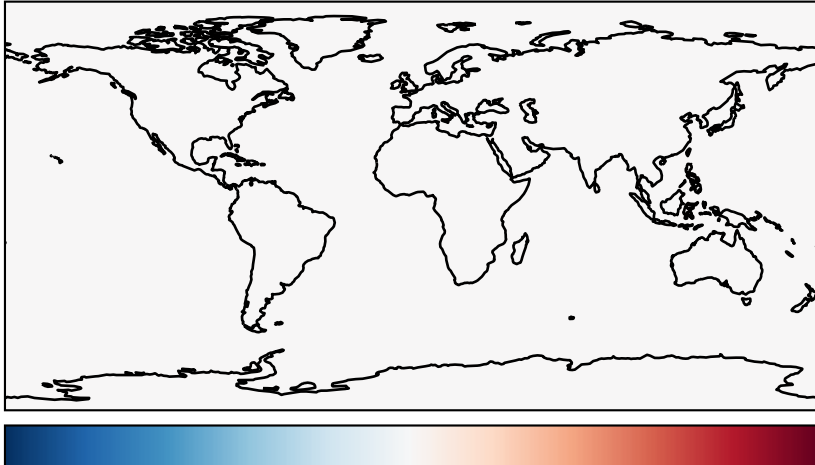gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0

gcc-4x5-1Mon-14.6.3 (Dev)
4.0x5.0

s-1

s-1
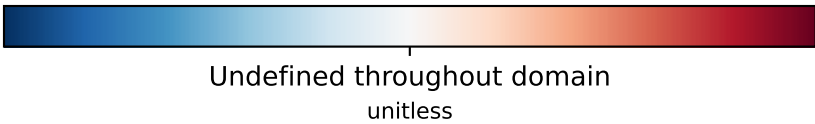
Difference
Dev - Ref, Dynamic Range

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

Zero throughout domain
s-1

Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

Ref and Dev equal throughout domain
unitless

Jval_HPALD1

gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0

gcc-4x5-1Mon-14.6.3 (Dev)
4.0x5.0

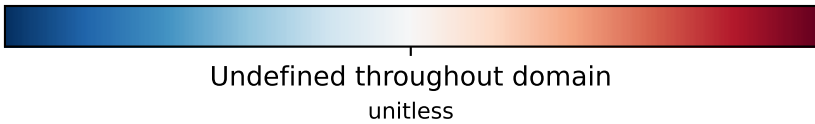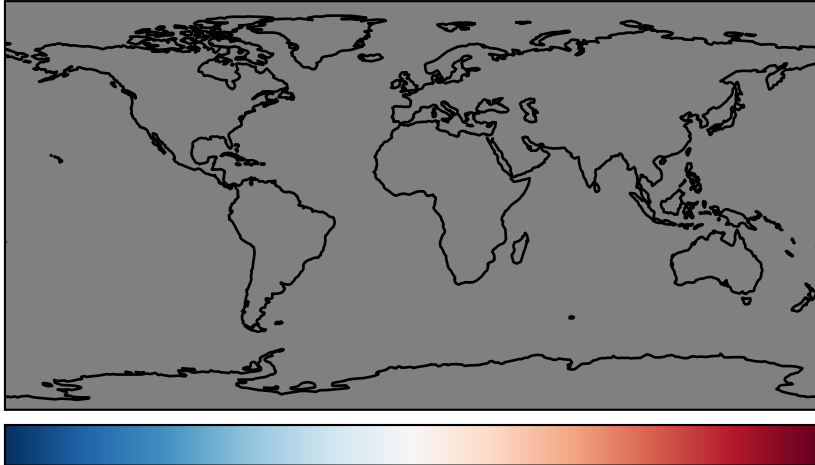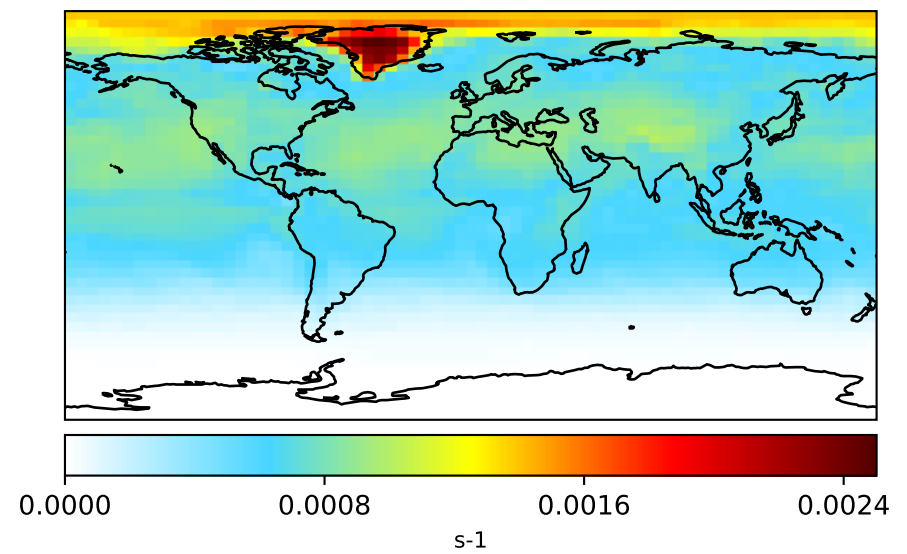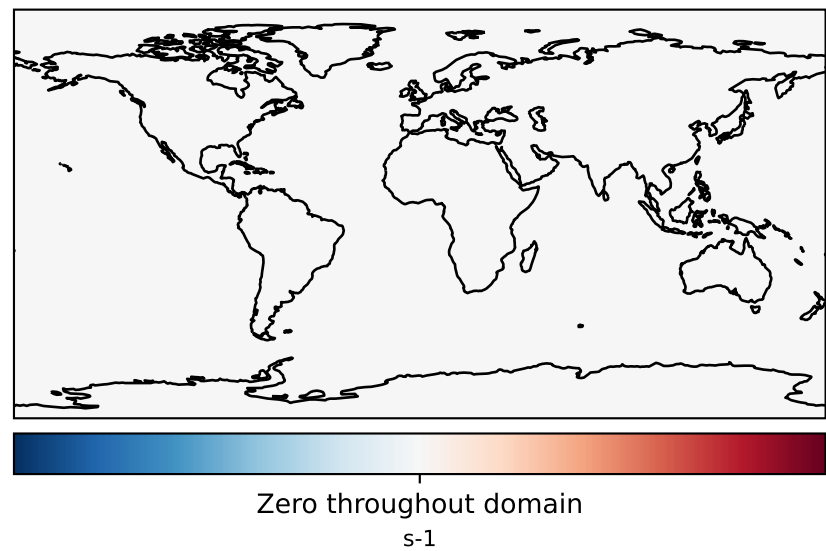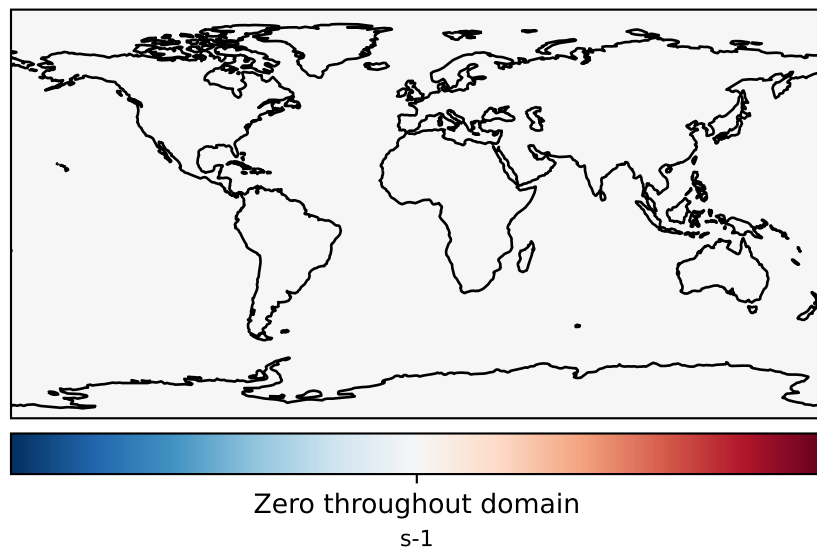s-1

s-1

Difference
Dev - Ref, Dynamic Range

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

Zero throughout domain
s-1

Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

Ref and Dev equal throughout domain
unitless

Jval_HPALD2

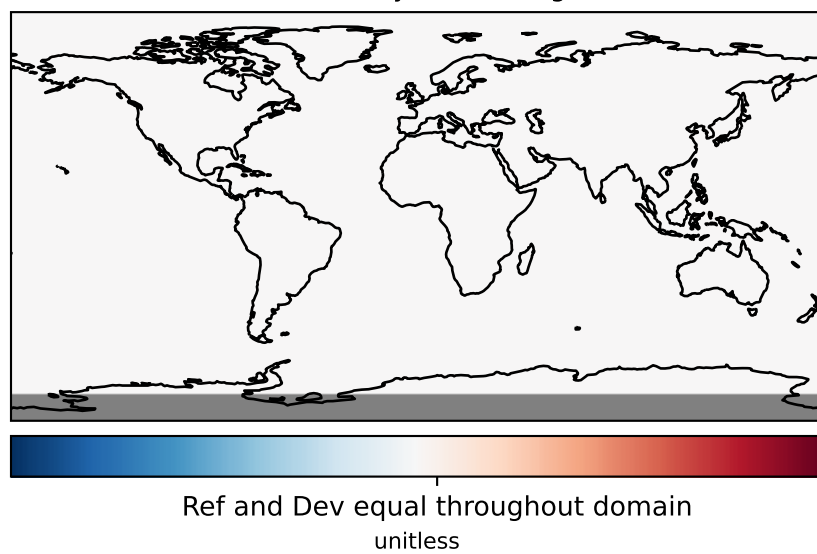gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0

gcc-4x5-1Mon-14.6.3 (Dev)
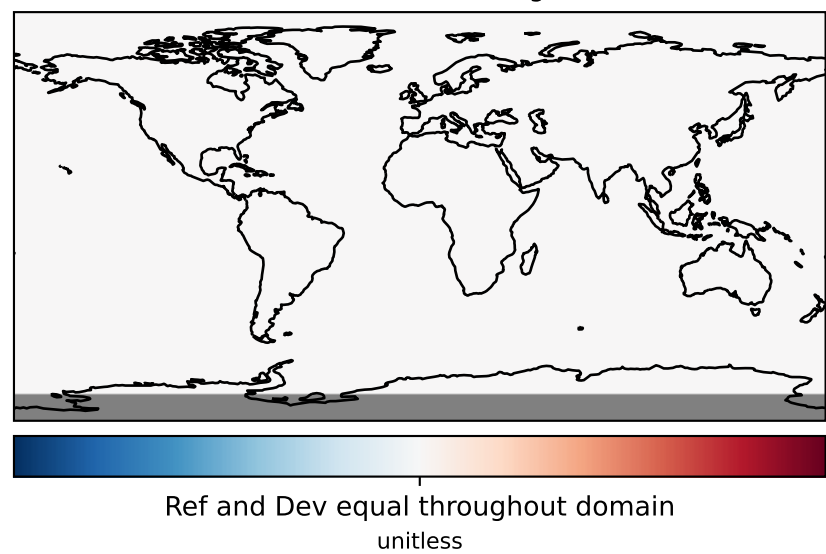4.0x5.0

s-1

s-1

Difference
Dev - Ref, Dynamic Range

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

Zero throughout domain
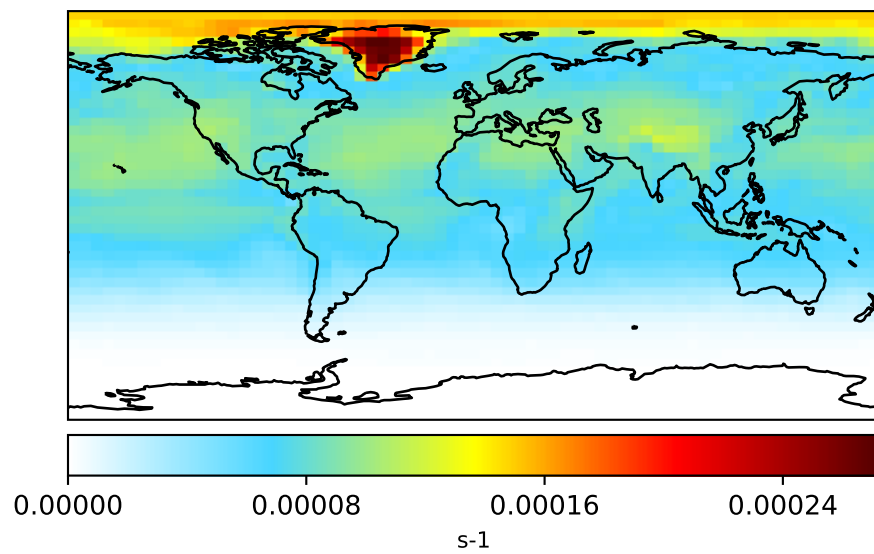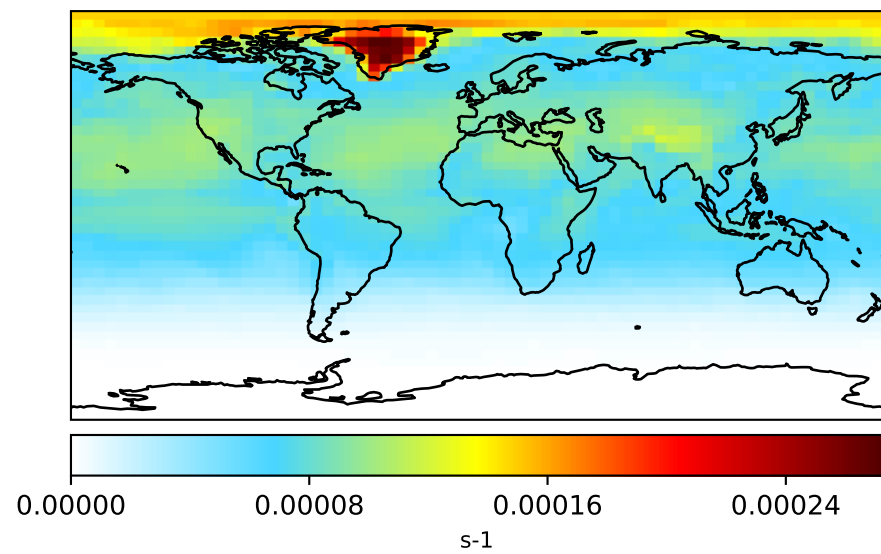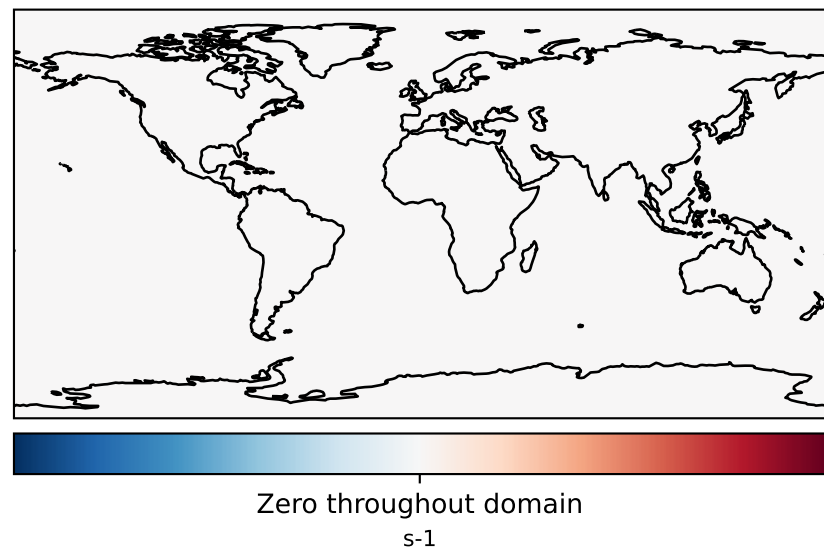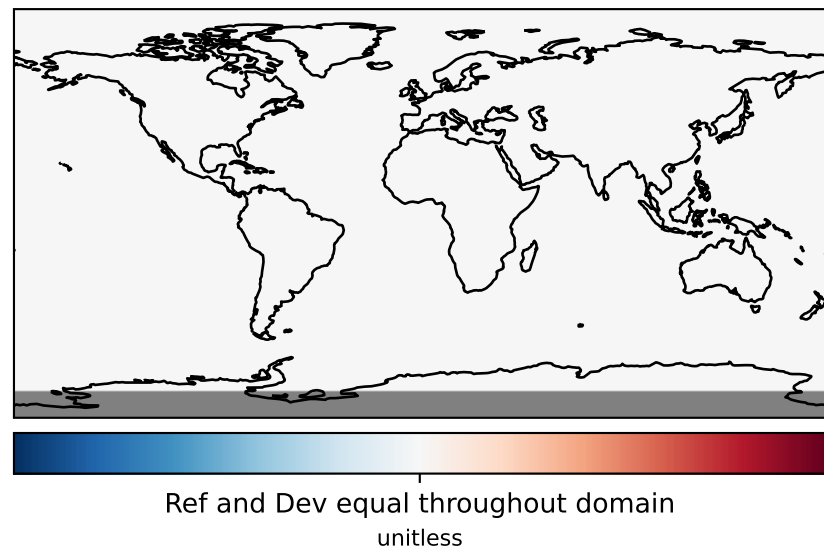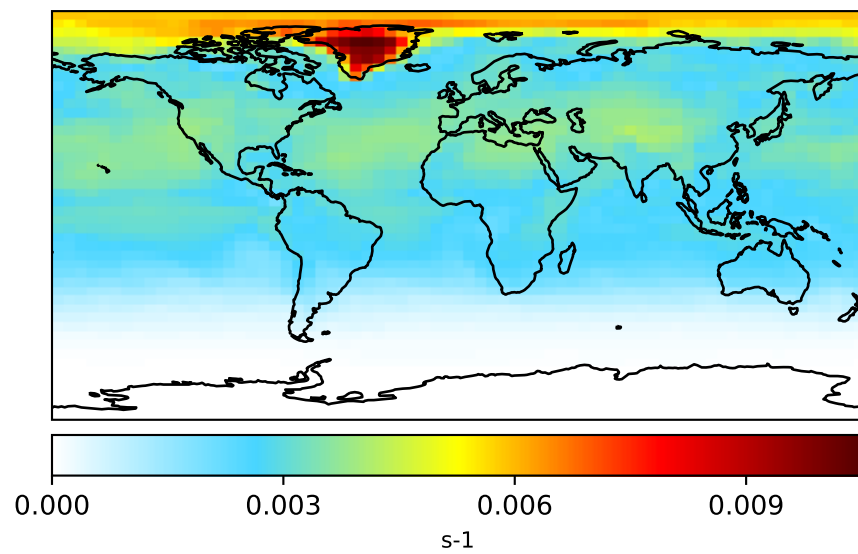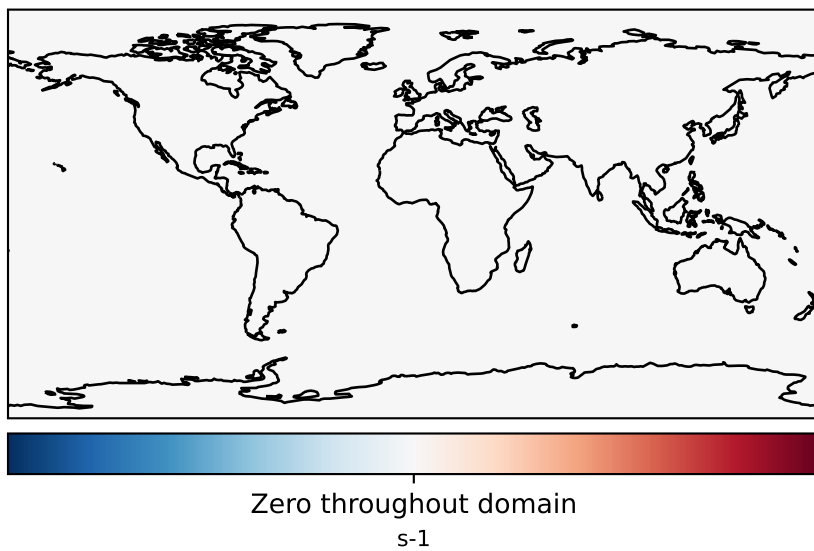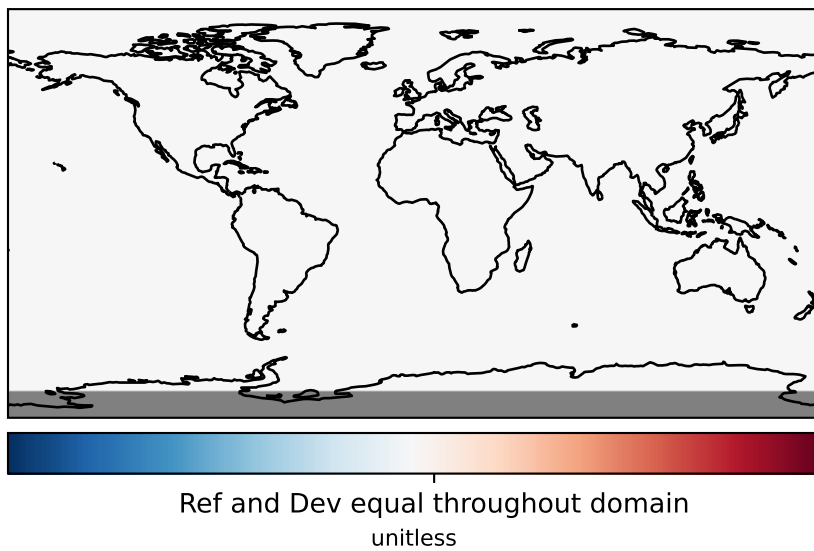s-1

Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

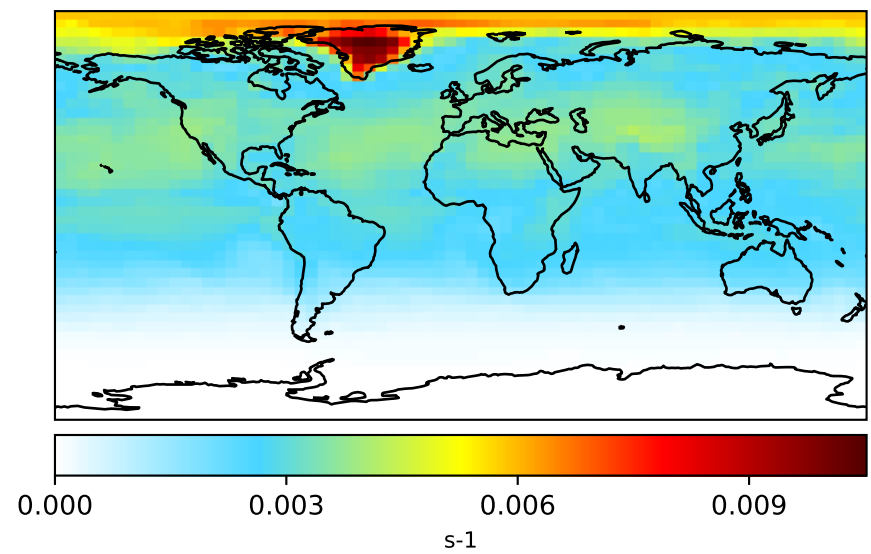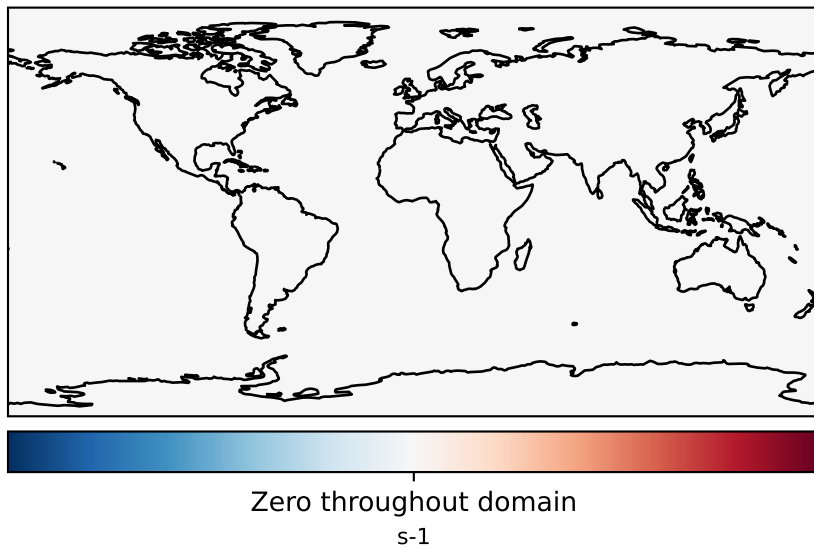Ref and Dev equal throughout domain
unitless

Jval_HPALD3

gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0

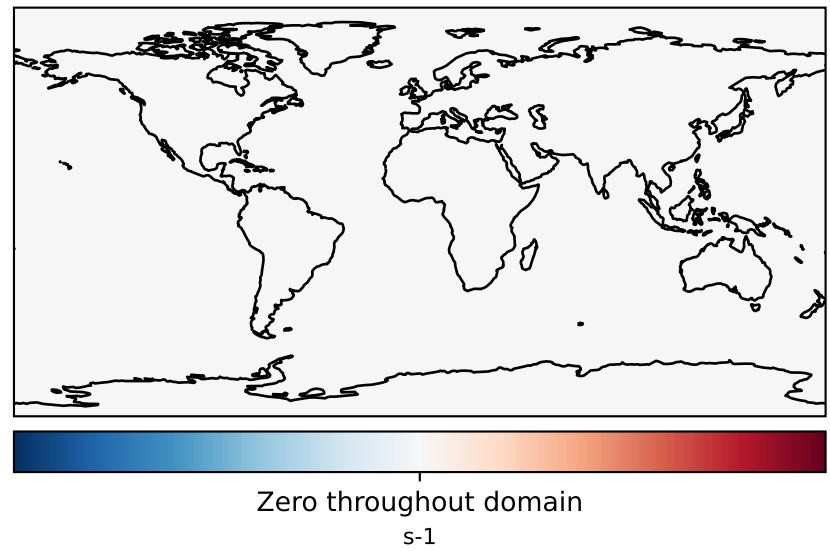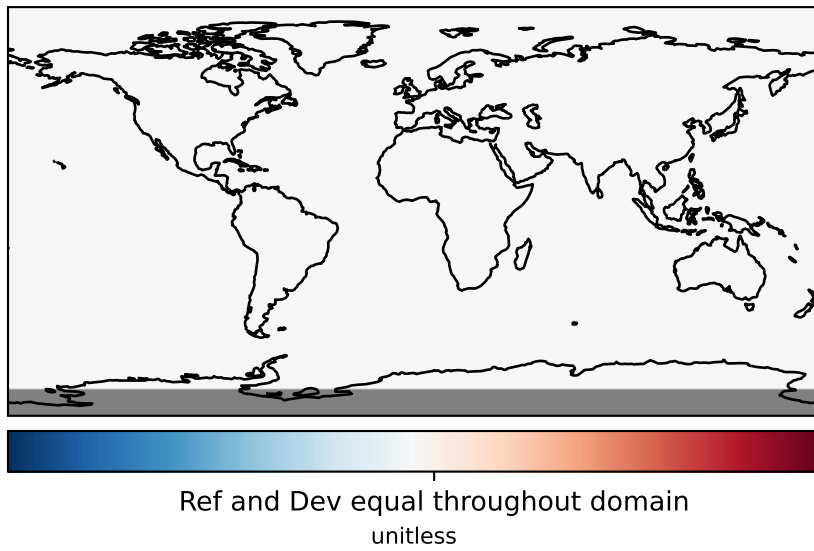gcc-4x5-1Mon-14.6.3 (Dev)
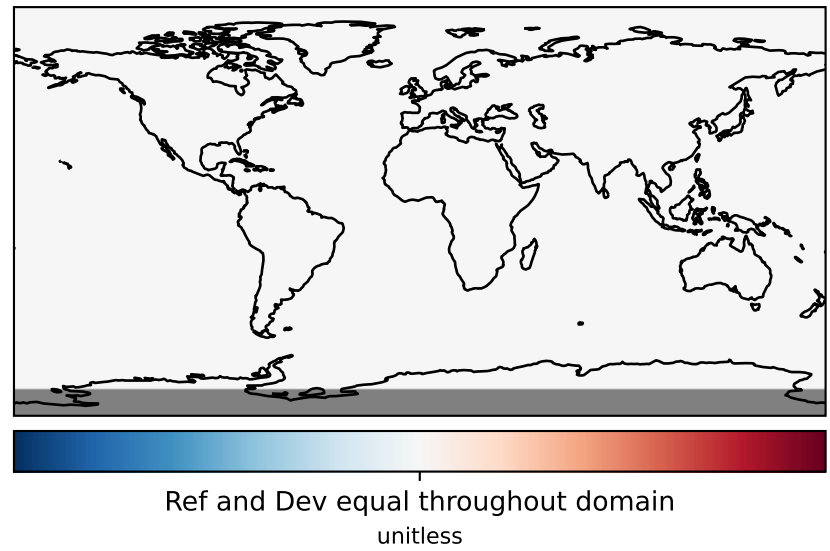4.0x5.0

s-1

s-1

Difference
Dev - Ref, Dynamic Range

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

Zero throughout domain
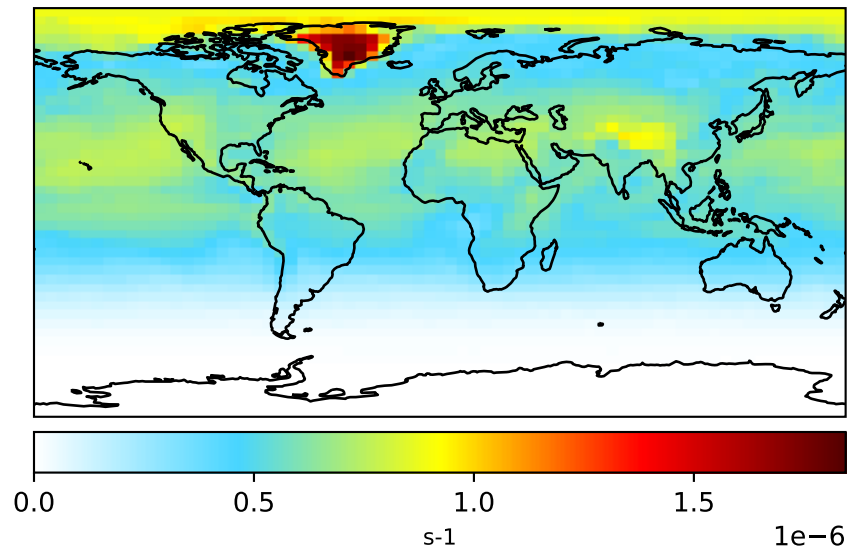s-1

Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

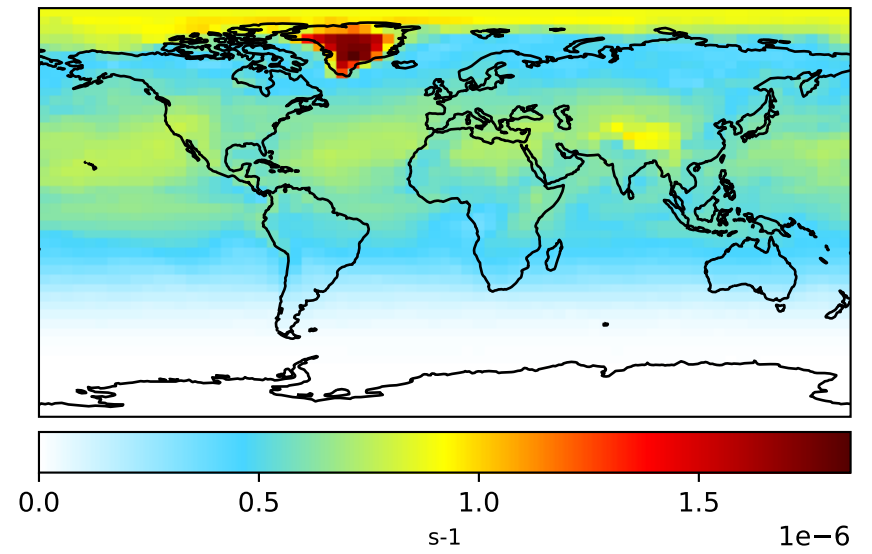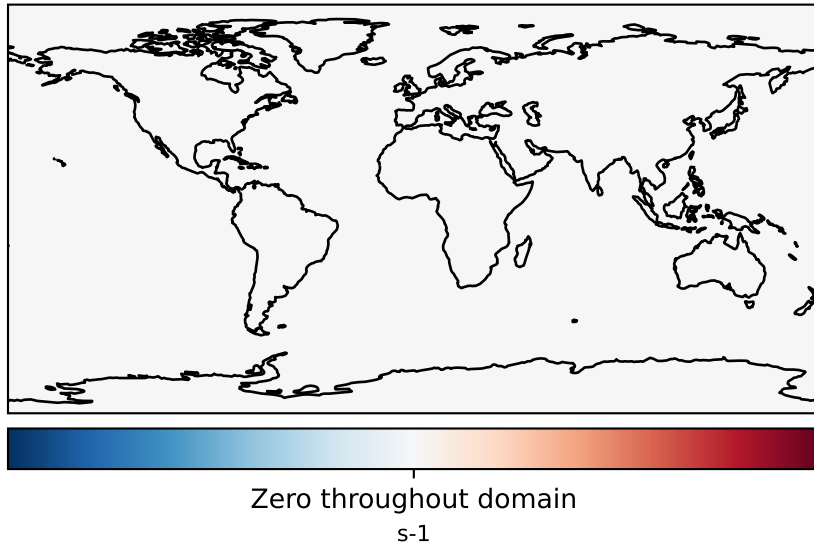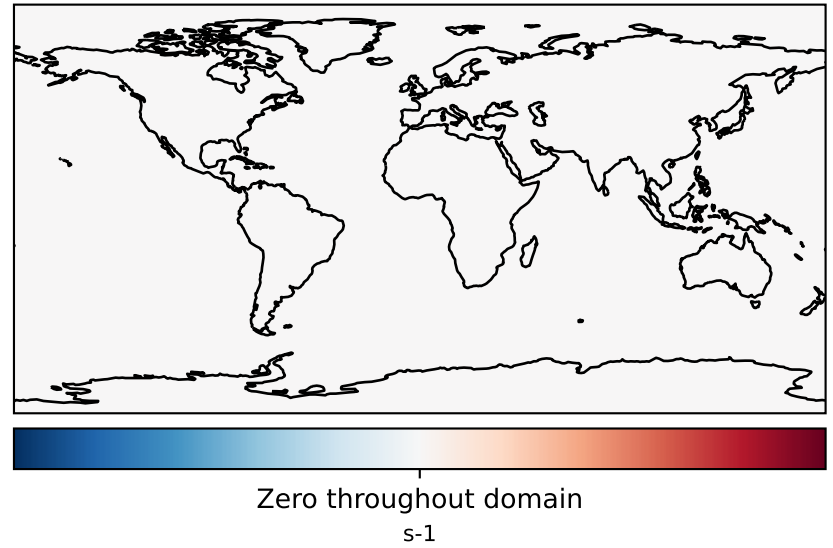Ref and Dev equal throughout domain
unitless

Jval_HPALD4

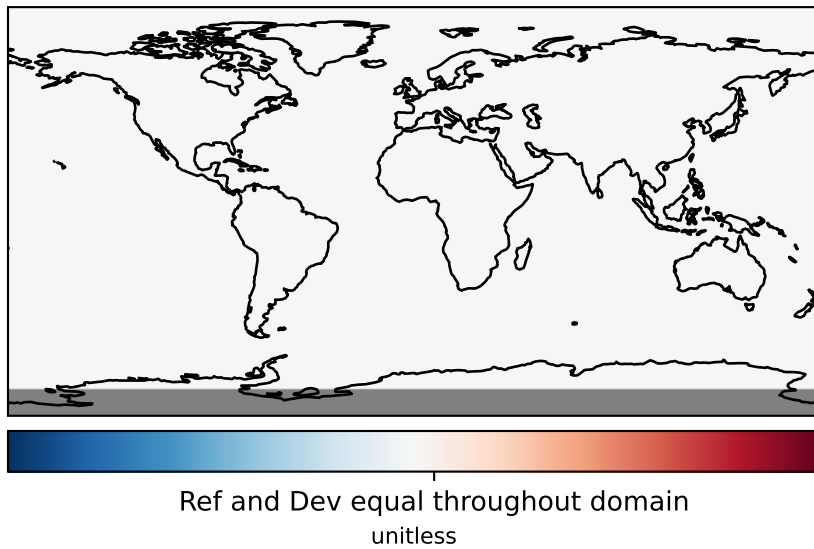gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0

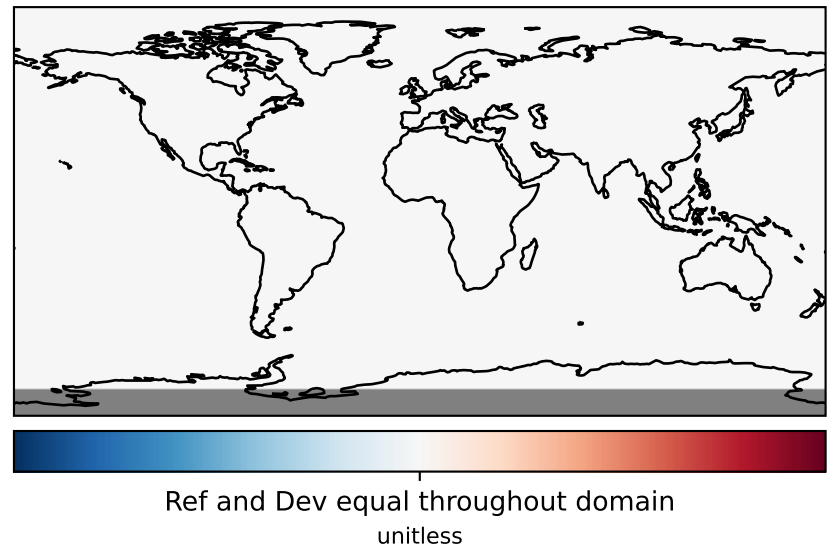gcc-4x5-1Mon-14.6.3 (Dev)
4.0x5.0

Difference
Dev - Ref, Dynamic Range

Zero throughout domain
s-1

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

Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ref and Dev equal throughout domain
unitless

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

Jval_HPETHNL

gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0

gcc-4x5-1Mon-14.6.3 (Dev)
4.0x5.0

s-1

s-1

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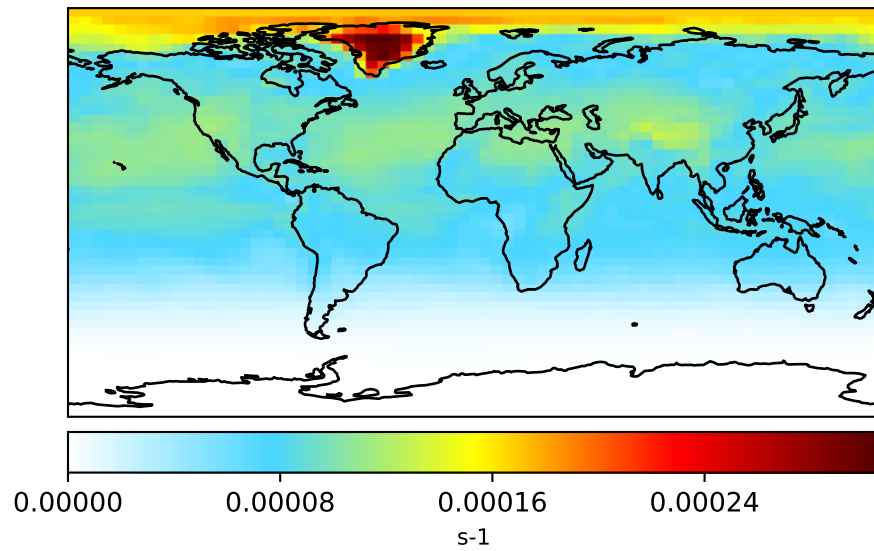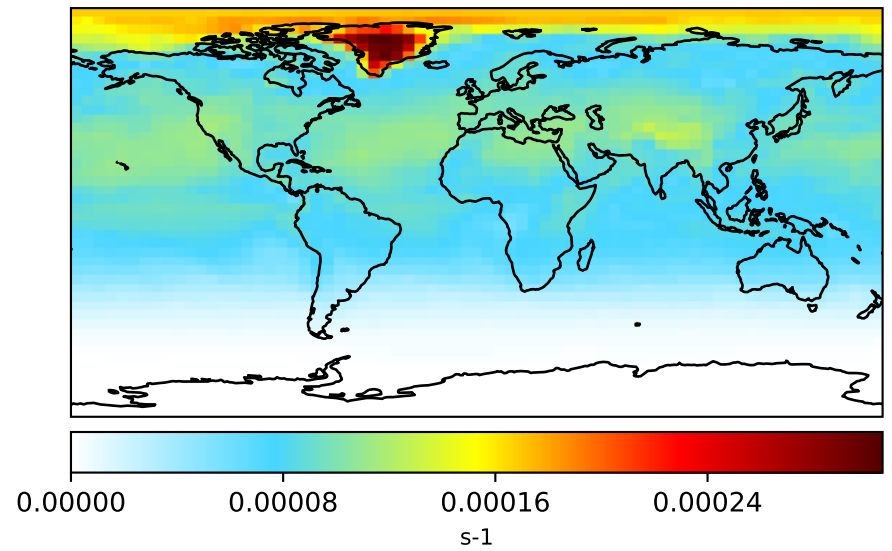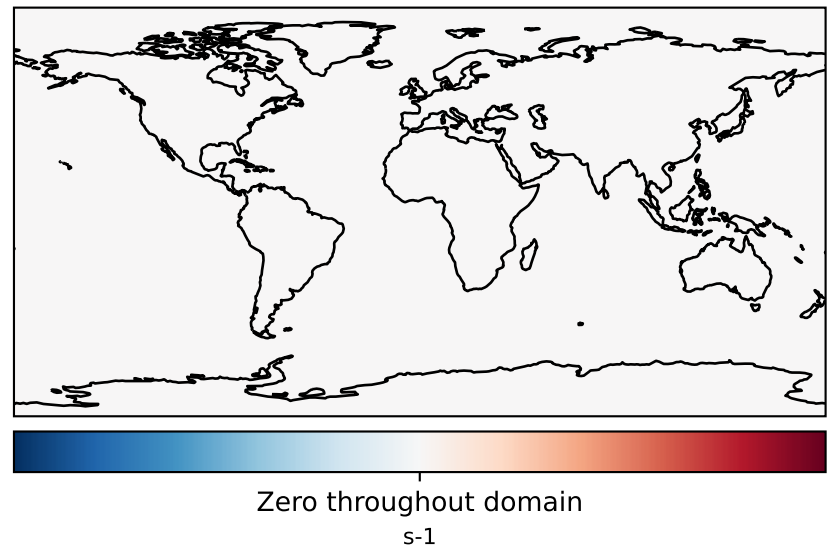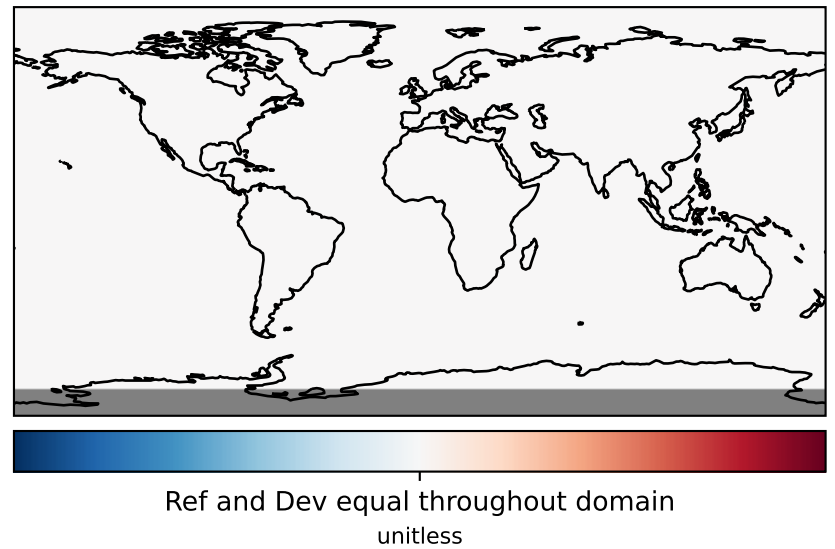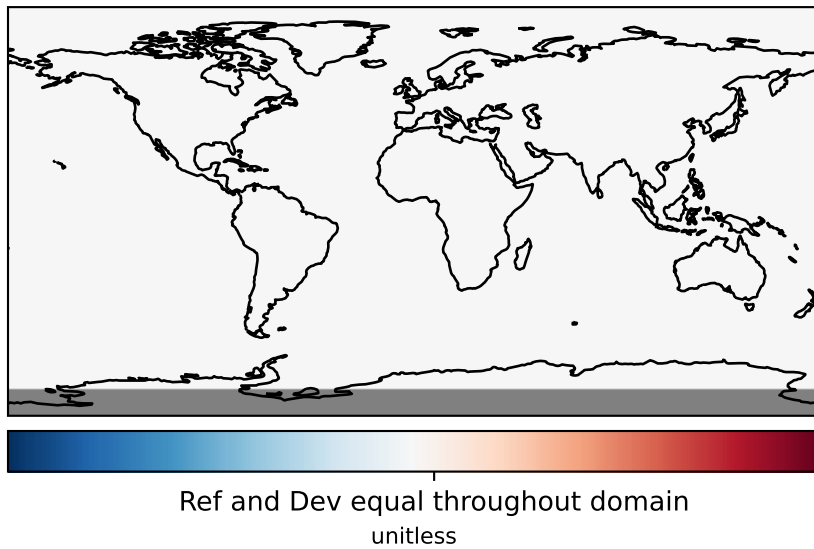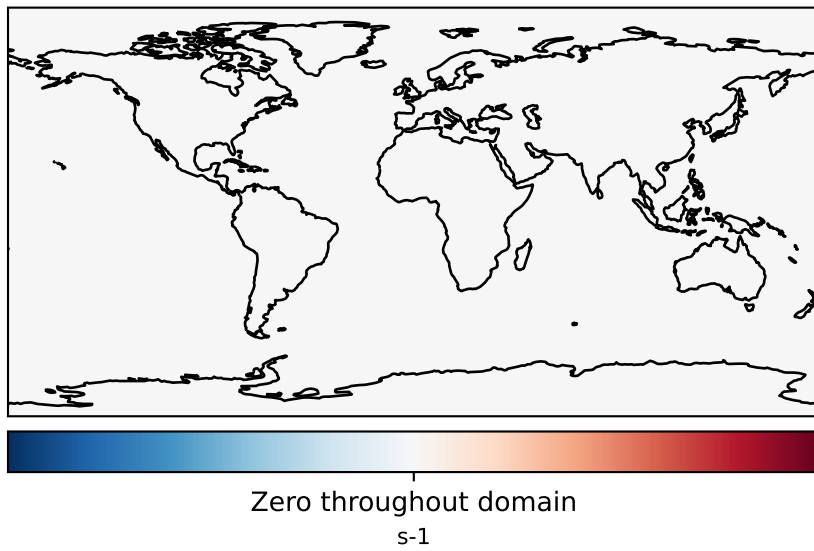
Difference
Dev - Ref, Restricted Range [5%,95%]

Zero throughout domain
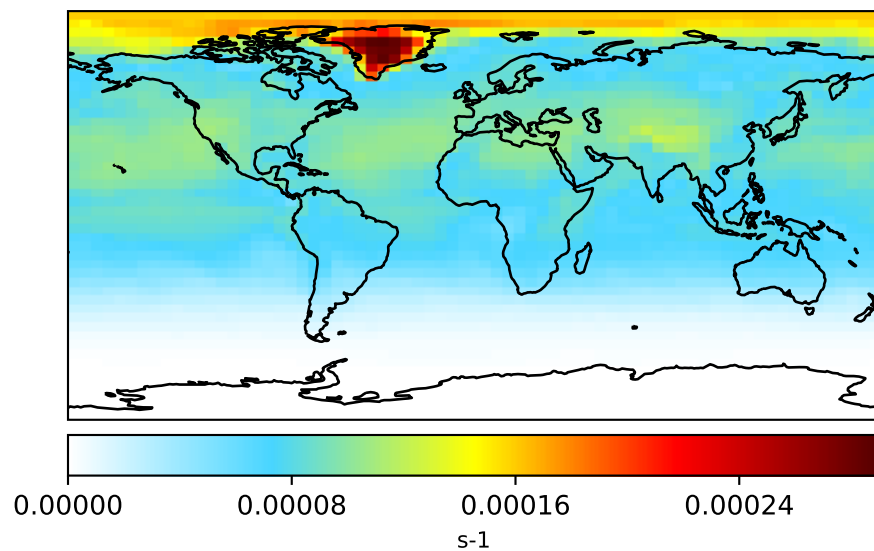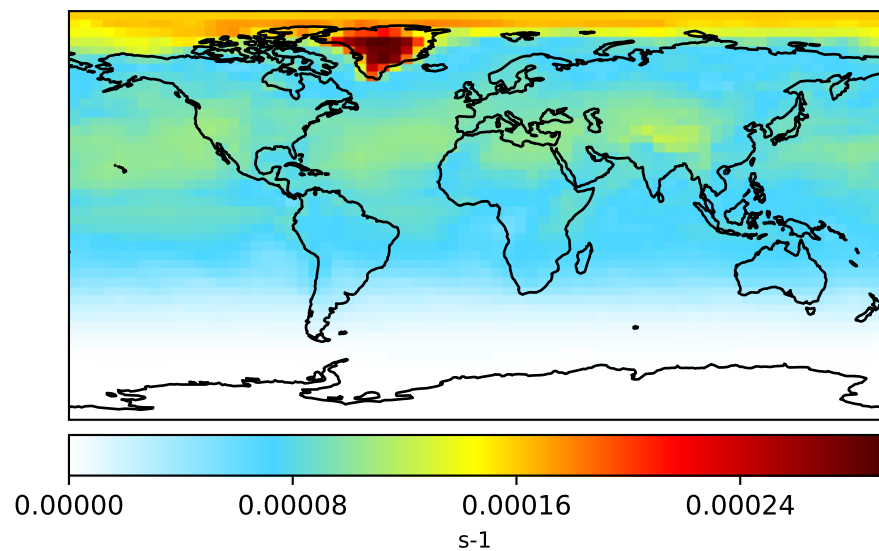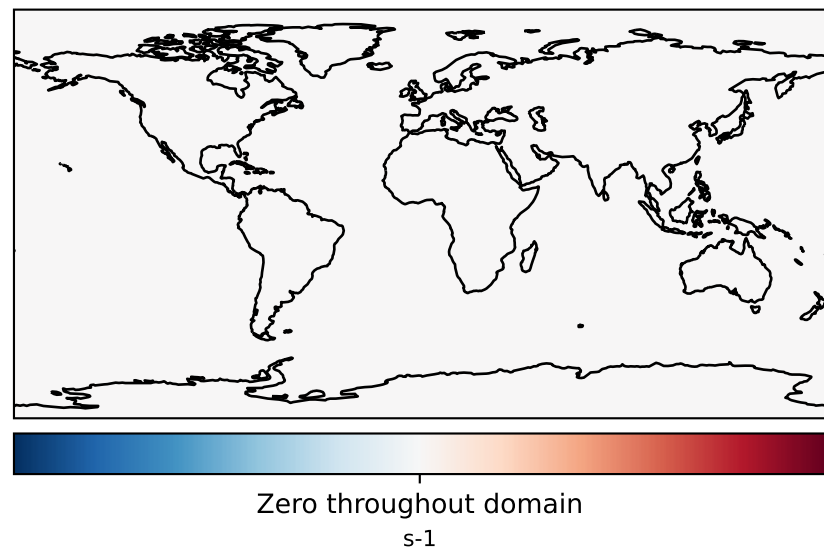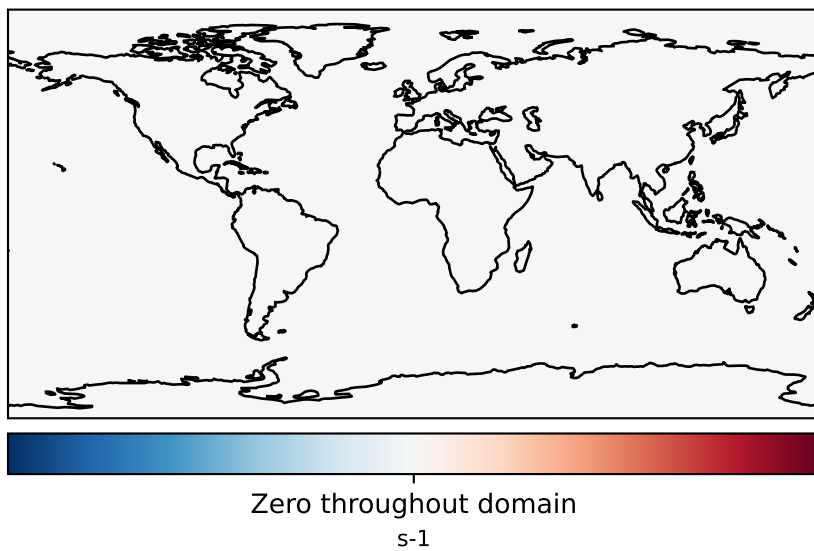s-1

Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

Ref and Dev equal throughout domain
unitless

Jval_I2

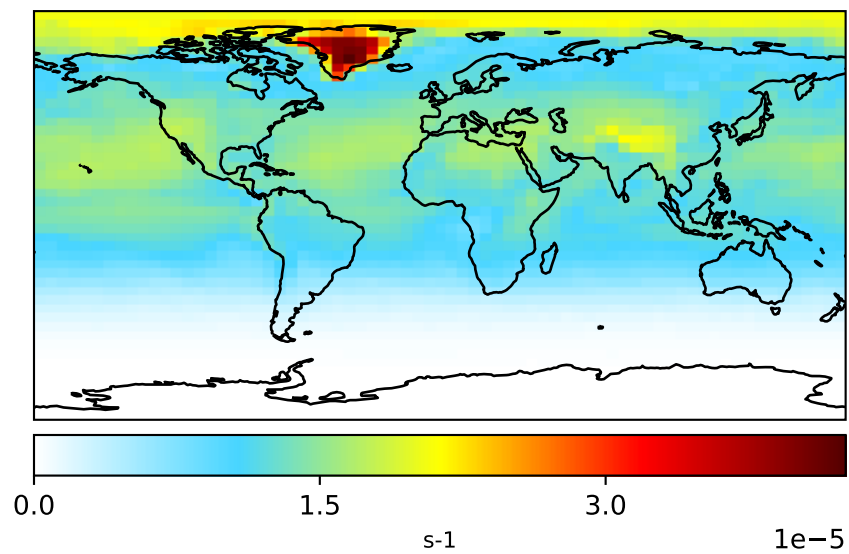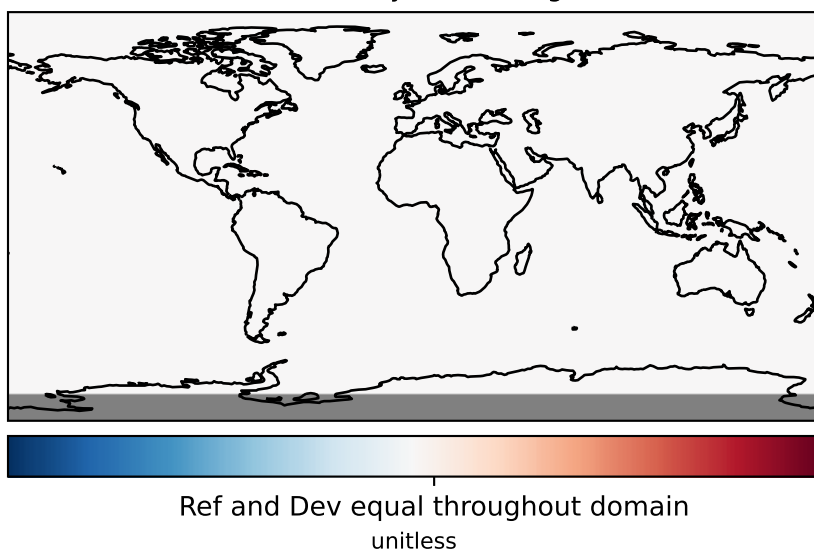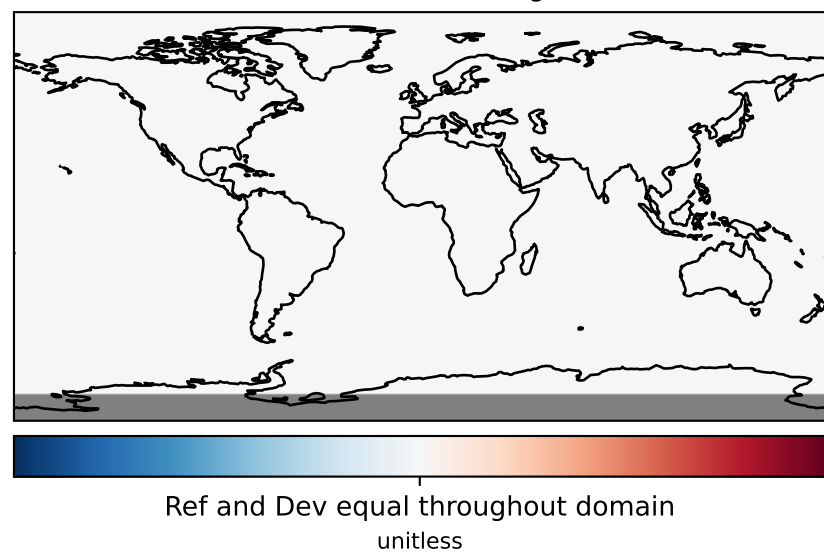| gcc-4x5-1Mon-14.6.2 (Ref) 4.0x5.0	gcc-4x5-1Mon-14.6.3 (Dev) 4.0x5.0

0.0000 0.0627 0.1253 0.1880 0.2507
s-1

0.0000 0.0627 0.1253 0.1880 0.2507
s-1

Difference
Dev - Ref, Dynamic Range

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

Zero throughout domain
s-1

Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

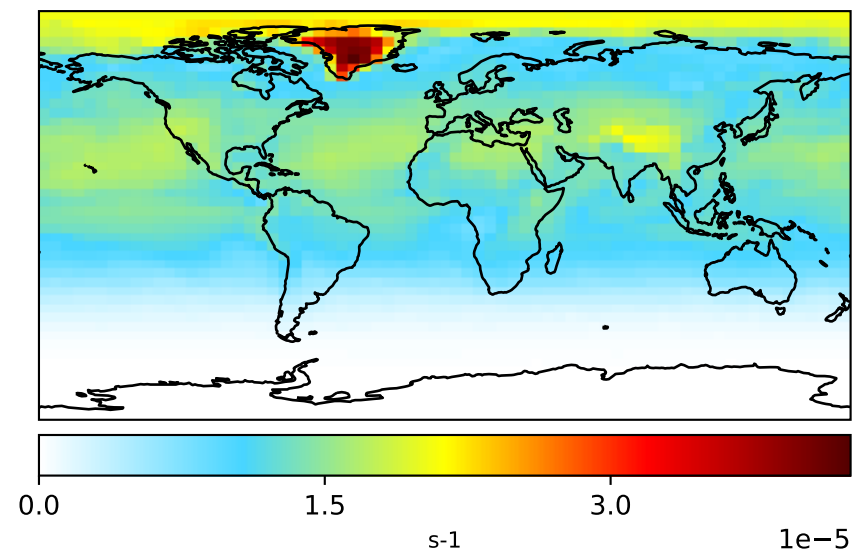Ref and Dev equal throughout domain
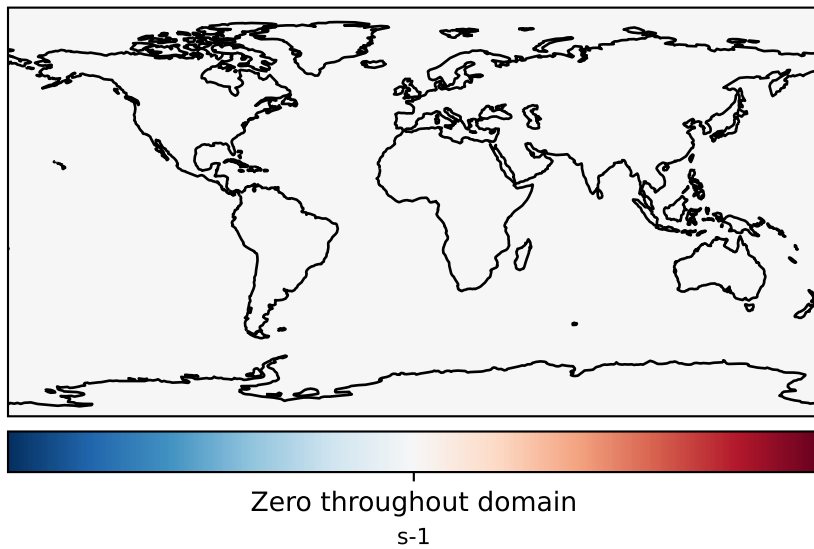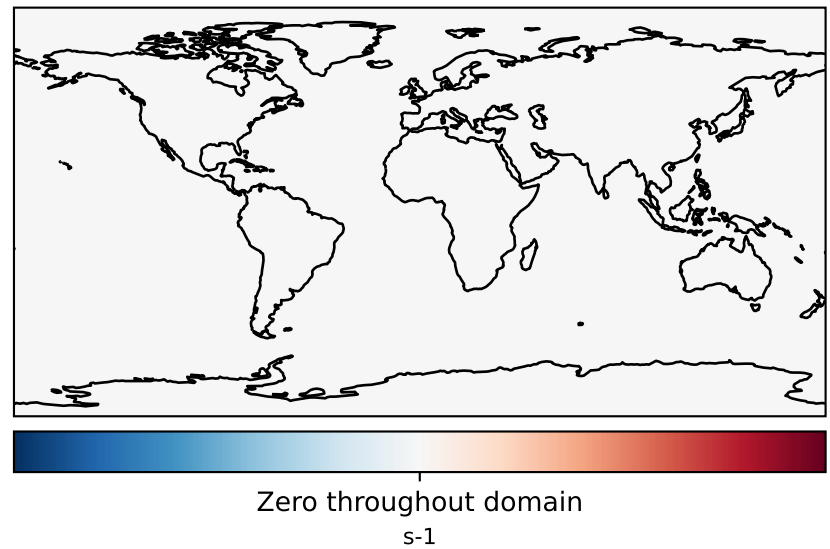unitless

Jval_I2O2

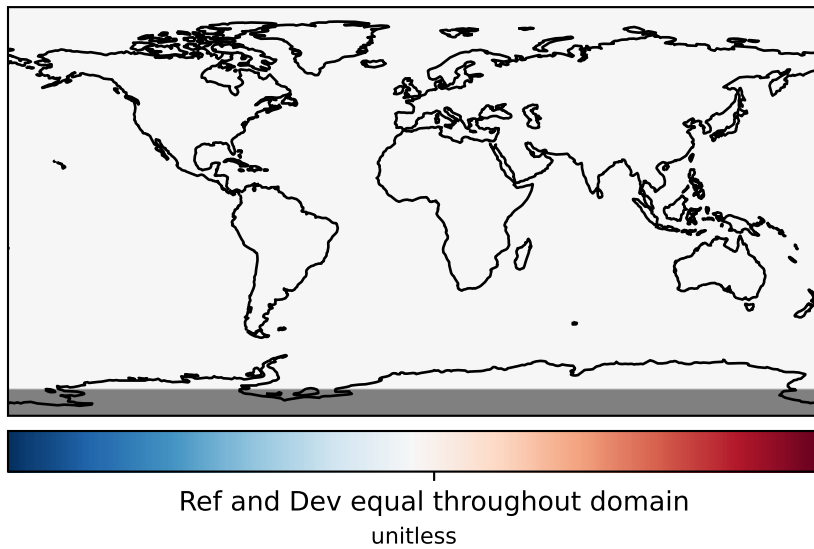gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0

gcc-4x5-1Mon-14.6.3 (Dev)
4.0x5.0

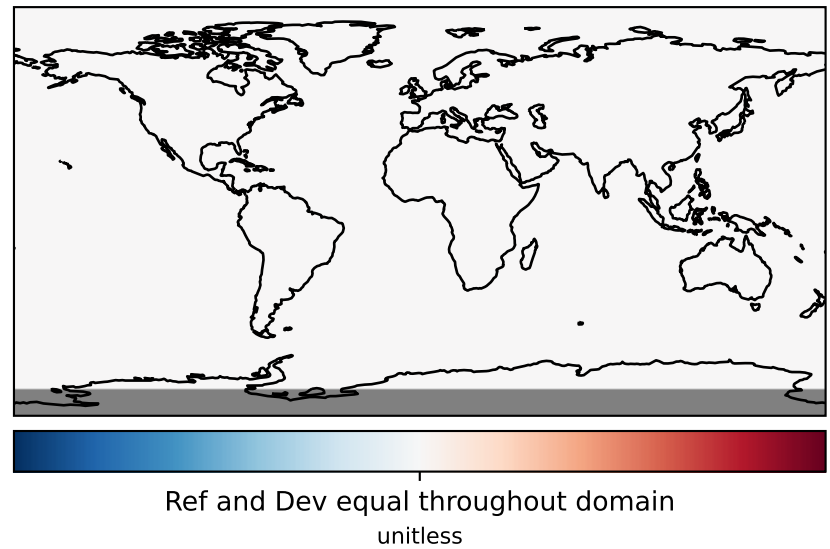s-1

s-1

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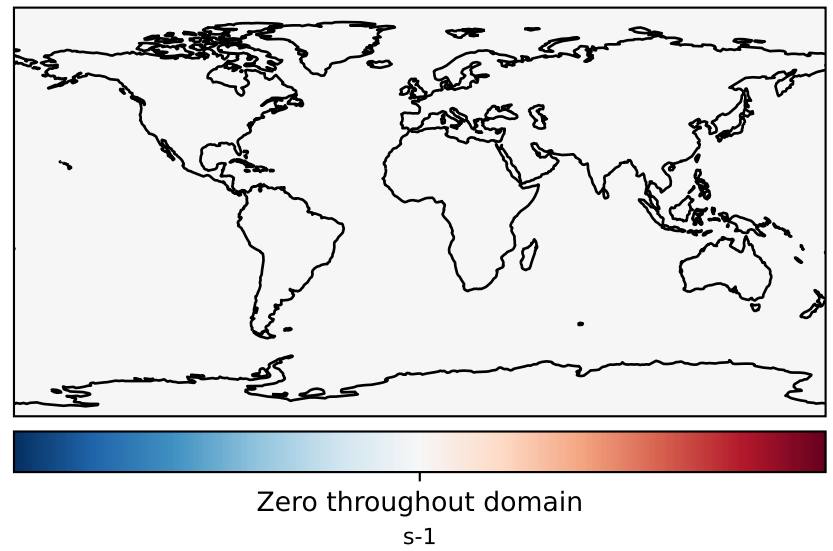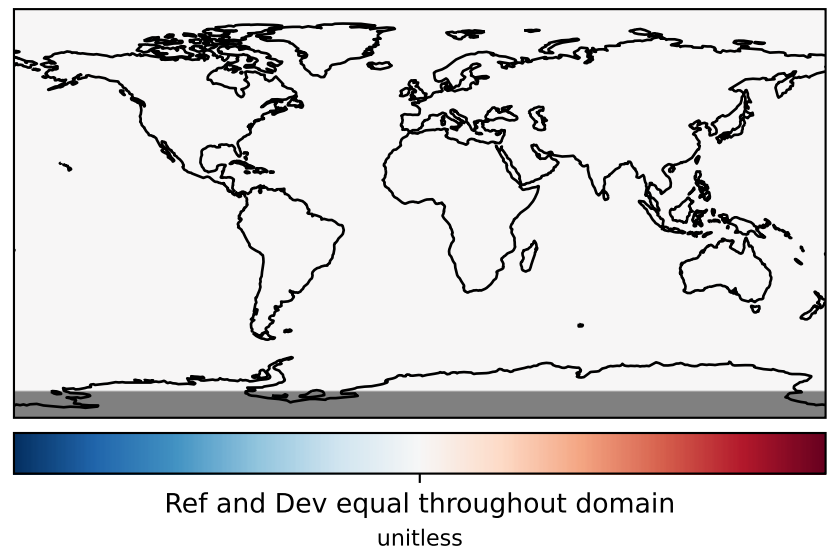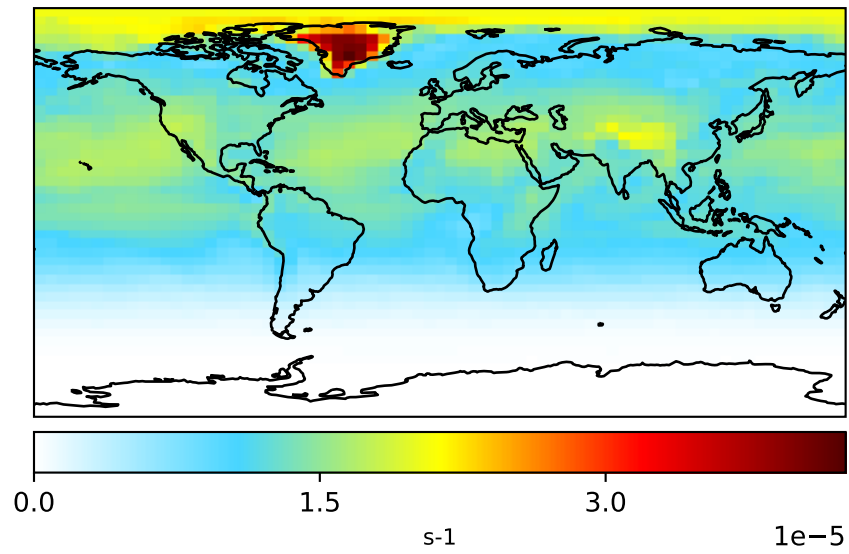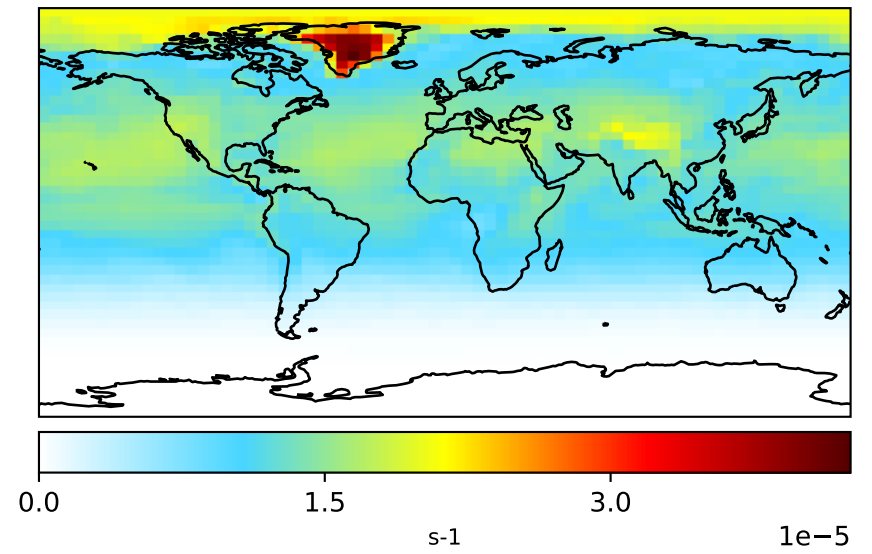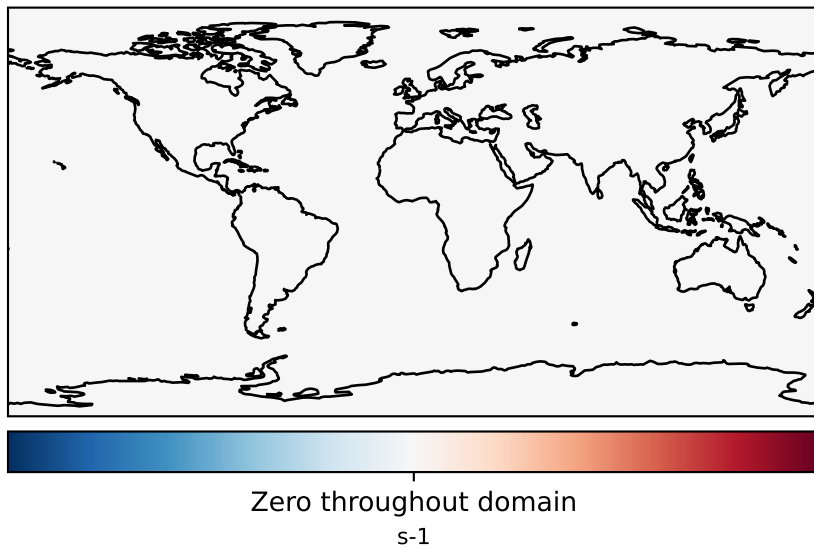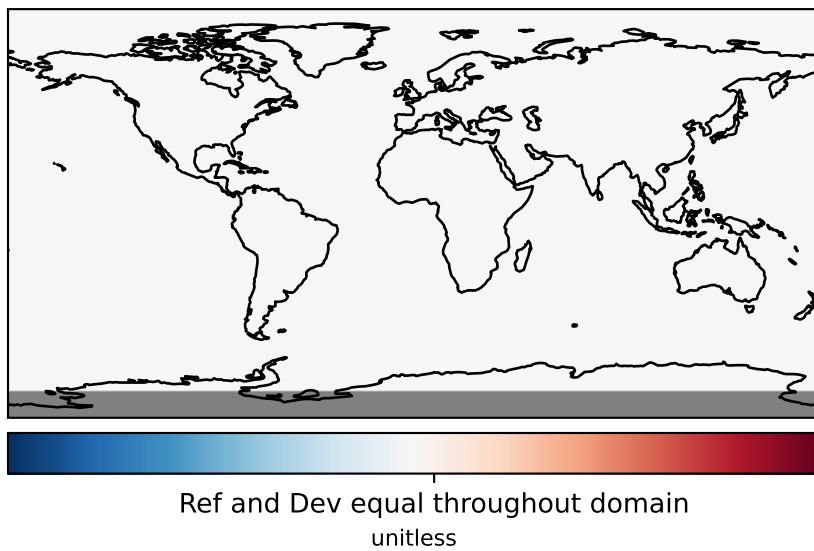
Difference
Dev - Ref, Restricted Range [5%,95%]

Zero throughout domain
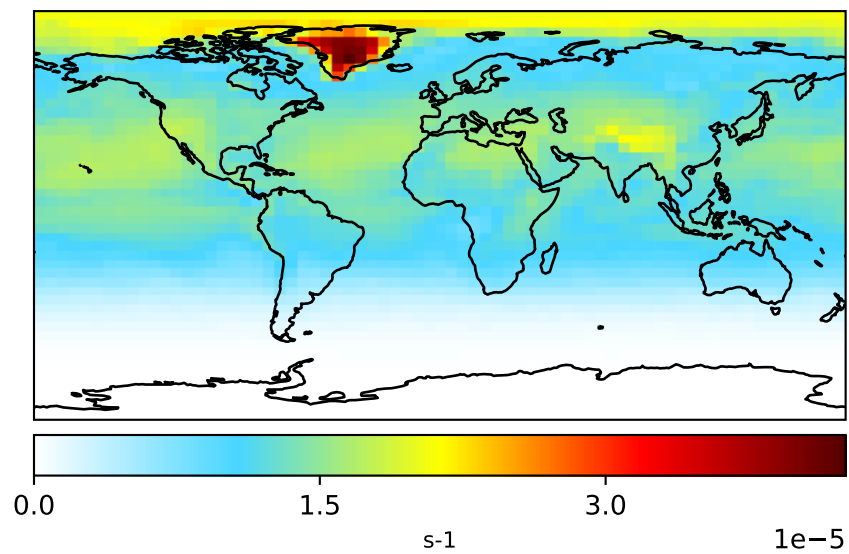s-1

Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

Ref and Dev equal throughout domain
unitless

Jval_I2O3

Jval_I2O4
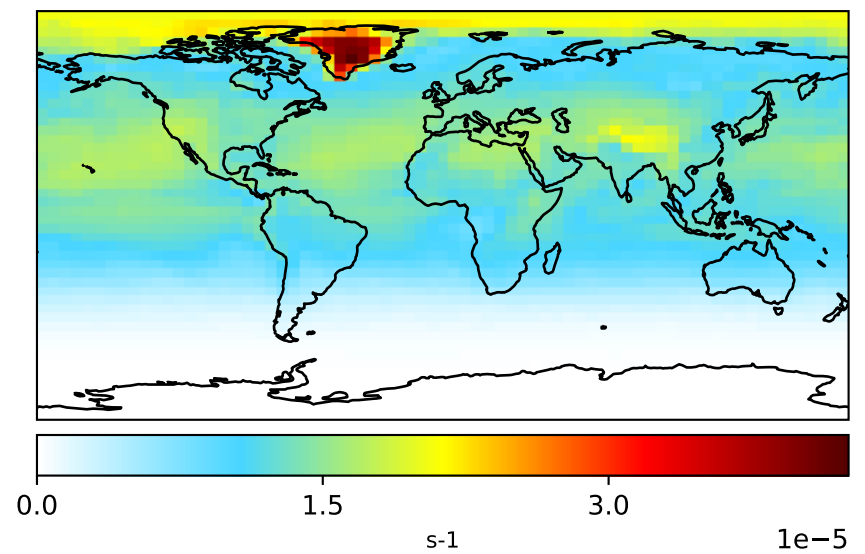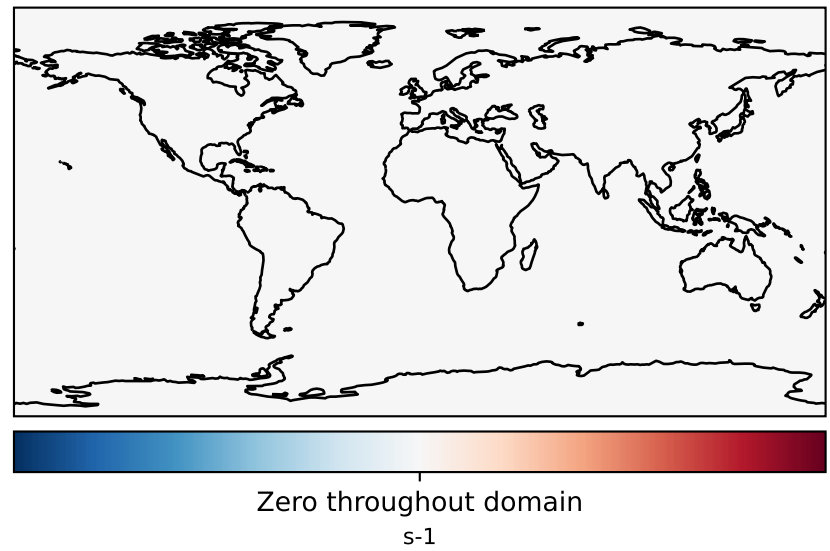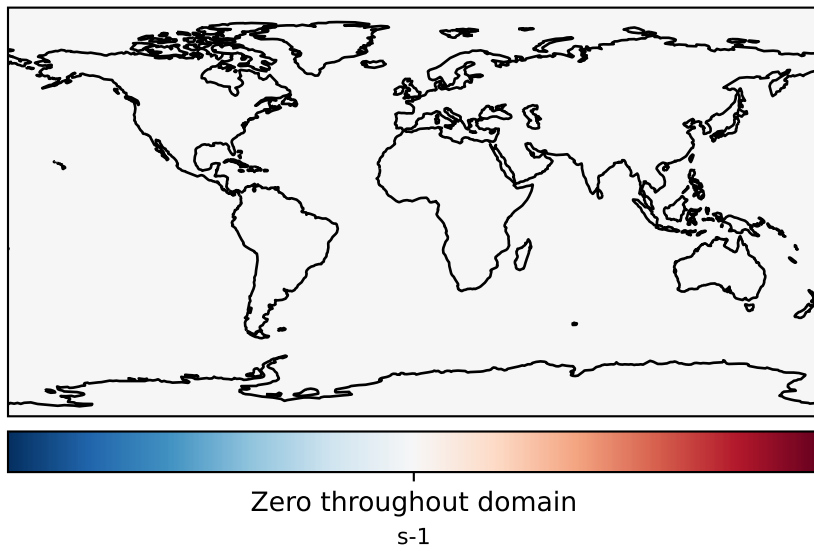

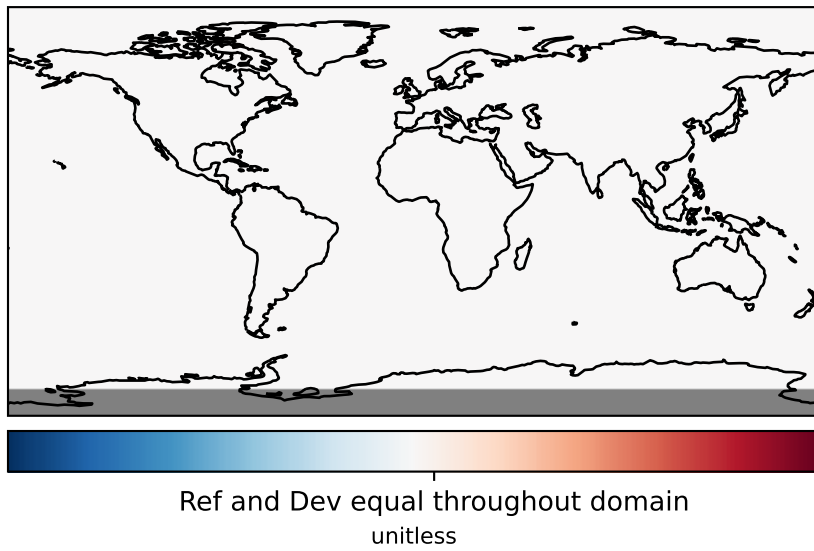gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0

gcc-4x5-1Mon-14.6.3 (Dev)
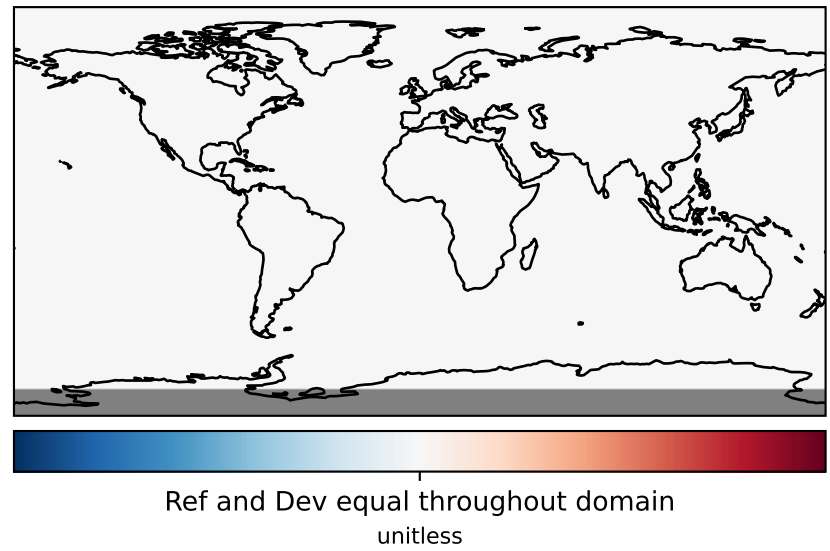4.0x5.0

s-1

s-1

Difference
Dev - Ref, Dynamic Range

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

Zero throughout domain
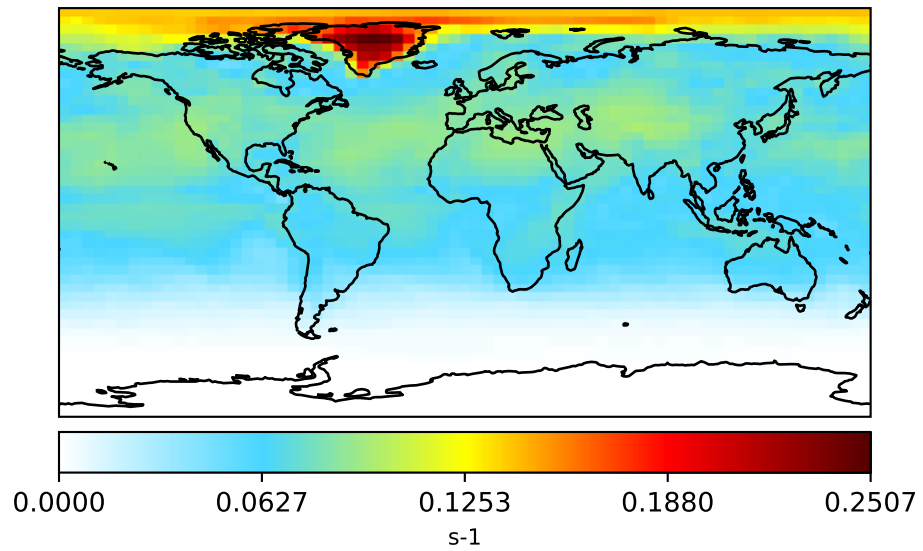s-1

Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

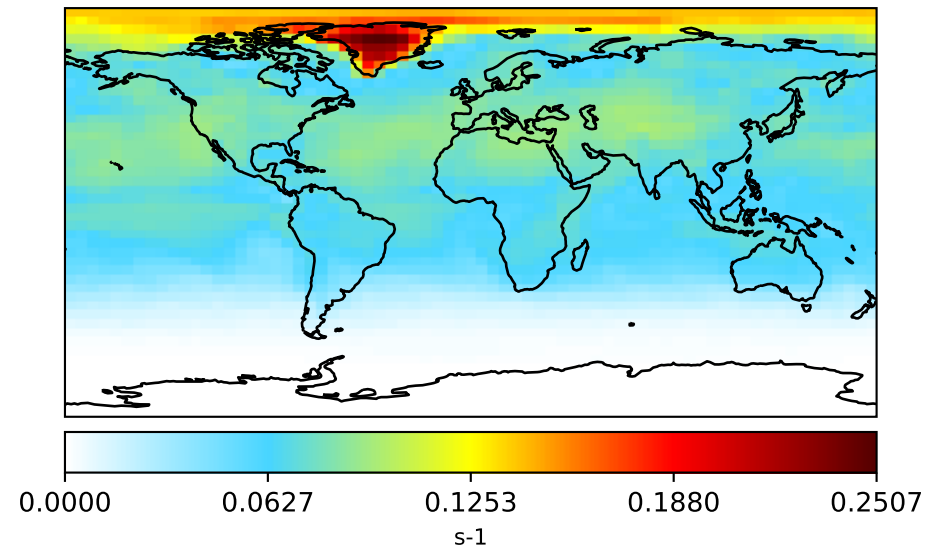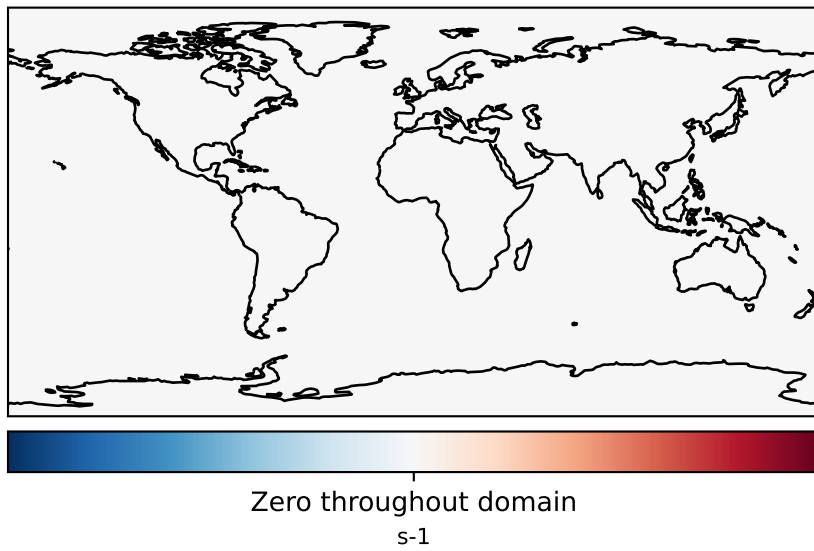Ref and Dev equal throughout domain
unitless

Jval_IBr

gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0
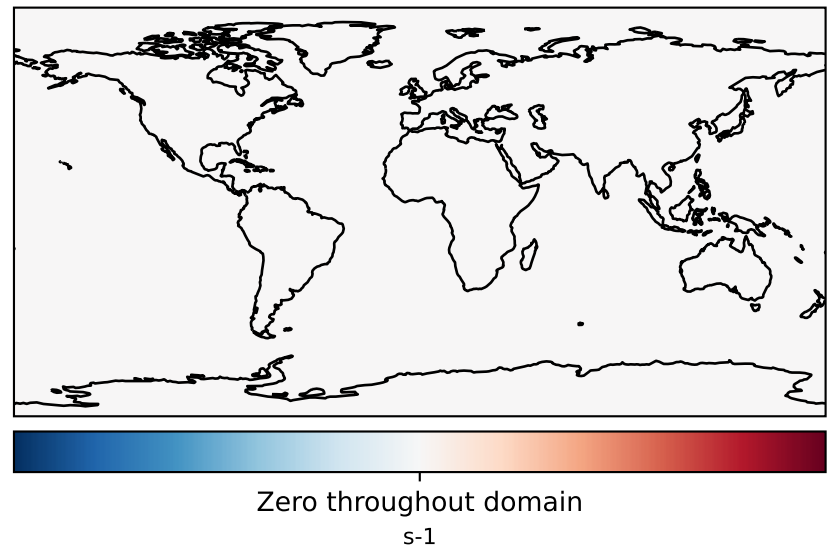
gcc-4x5-1Mon-14.6.3 (Dev)
4.0x5.0

s-1

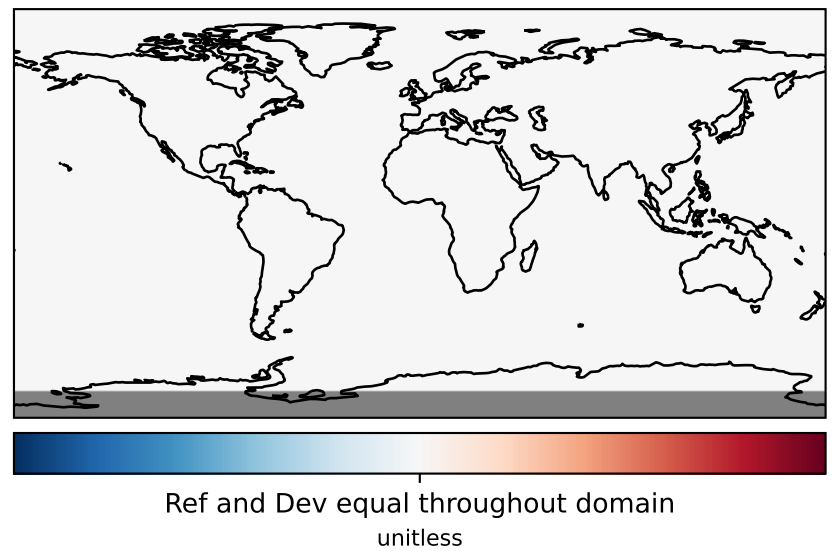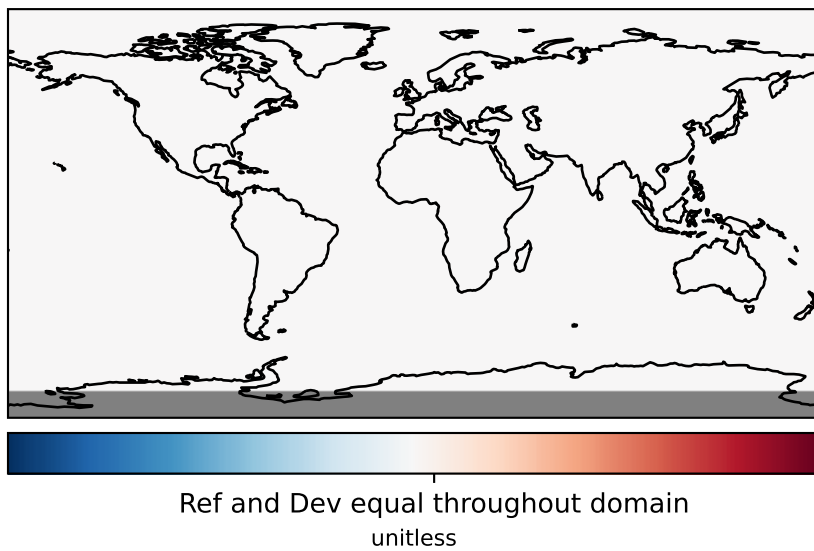s-1

Difference
Dev - Ref, Dynamic Range

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

Zero throughout domain
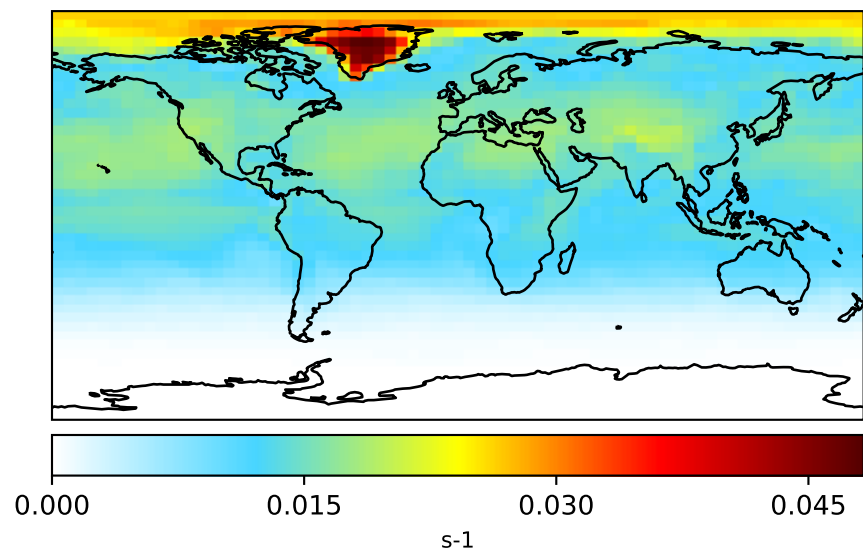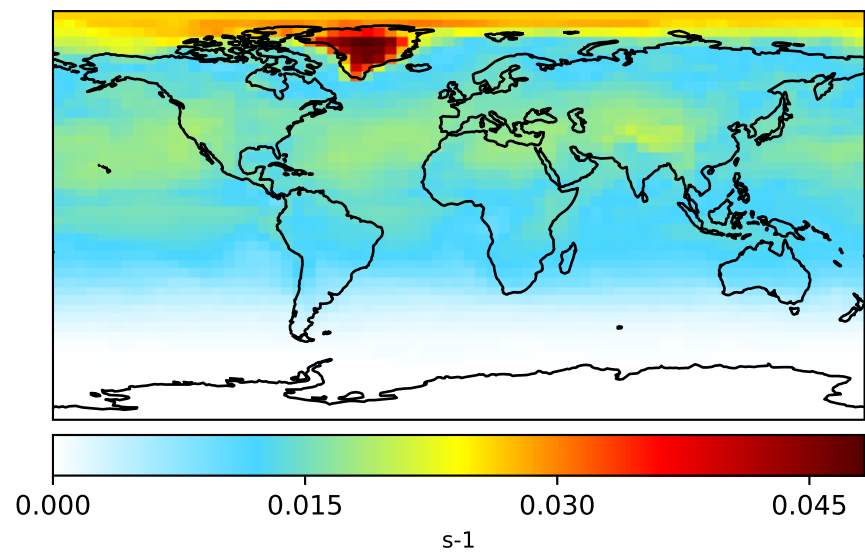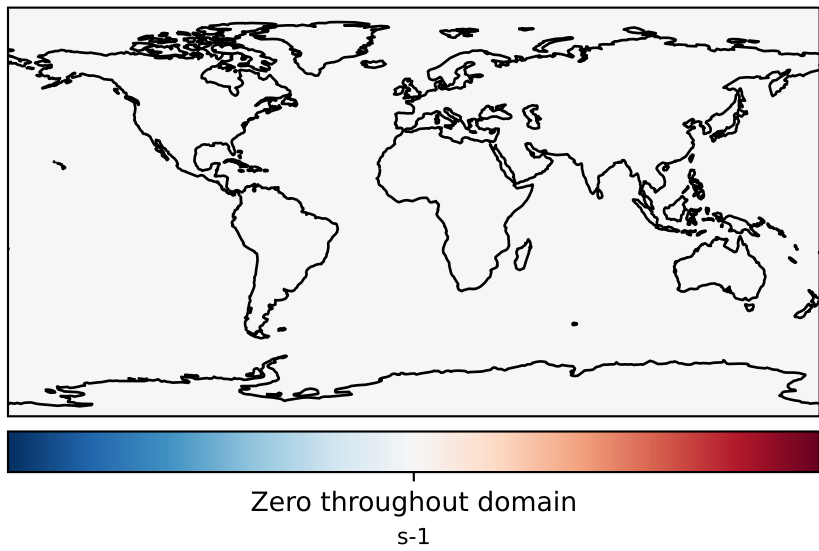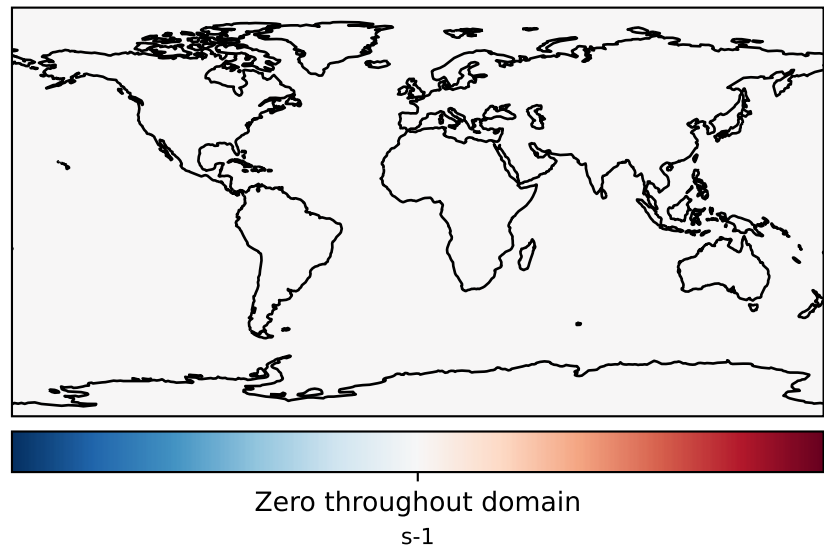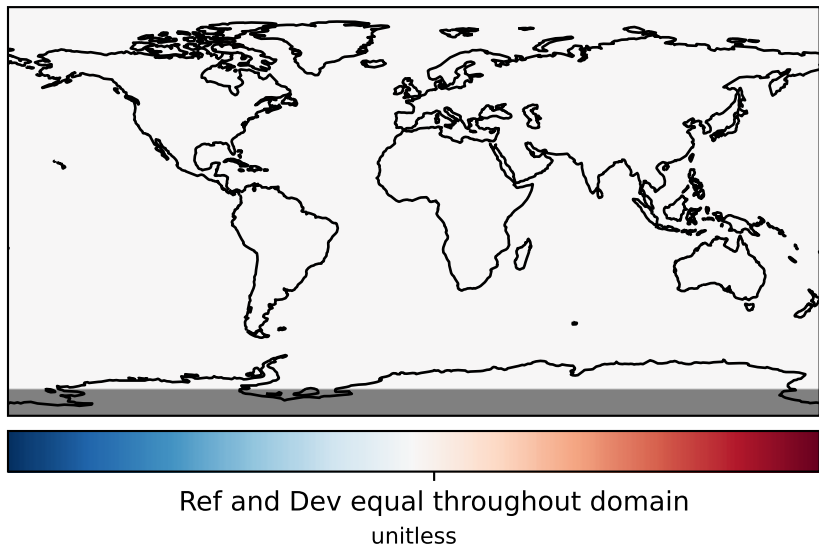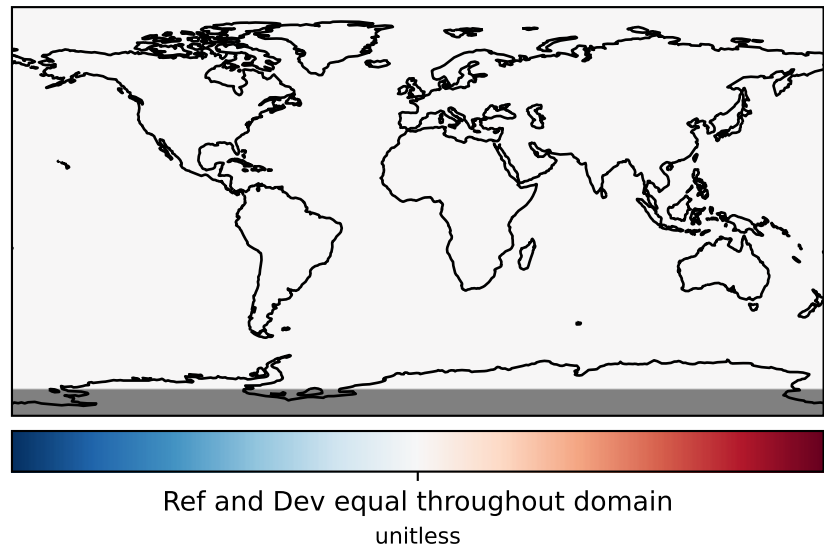s-1

Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

Ref and Dev equal throughout domain
unitless

Jval_ICN

gcc-4x5-1Mon-14.6.2 (Ref)	gcc-4x5-1Mon-14.6.3 (Dev)
4.0x5.0	4.0x5.0

Difference
Dev - Ref, Dynamic Range

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

Zero throughout domain
s-1

Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

Ref and Dev equal throughout domain
unitless

Jval_ICPDH

gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0

gcc-4x5-1Mon-14.6.3 (Dev)
4.0x5.0

s-1

s-1

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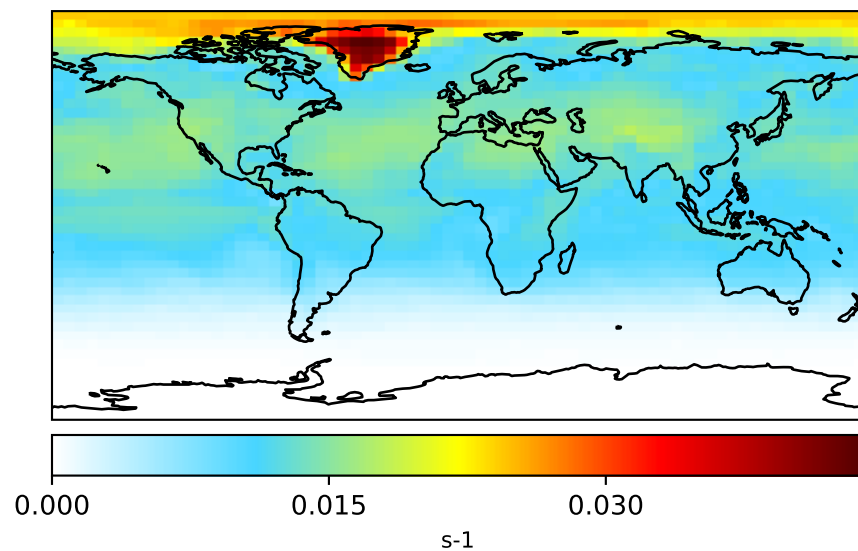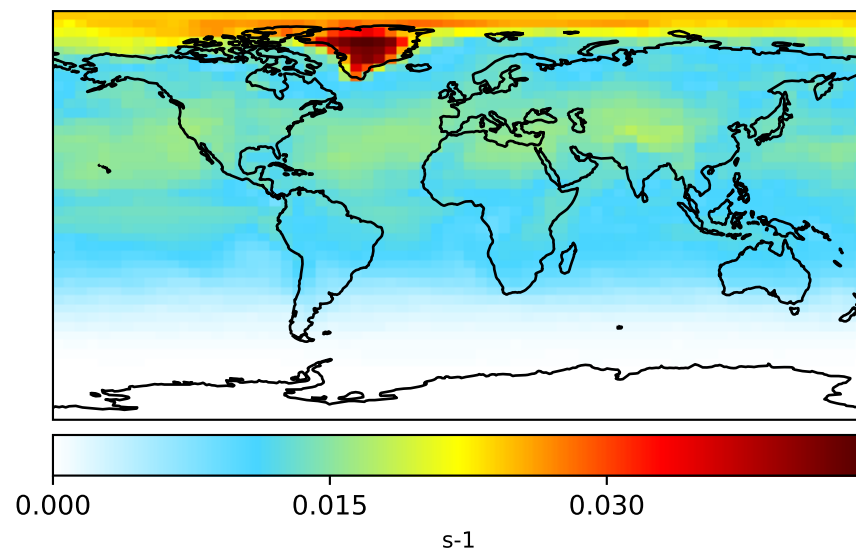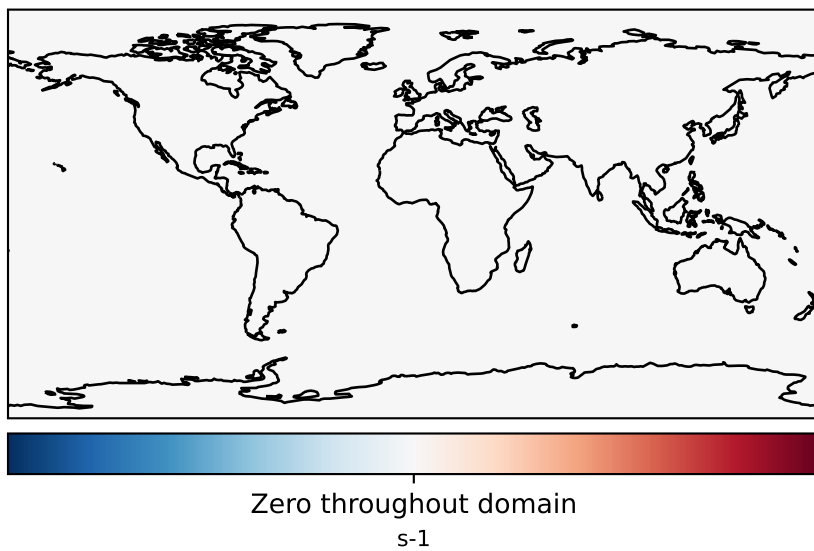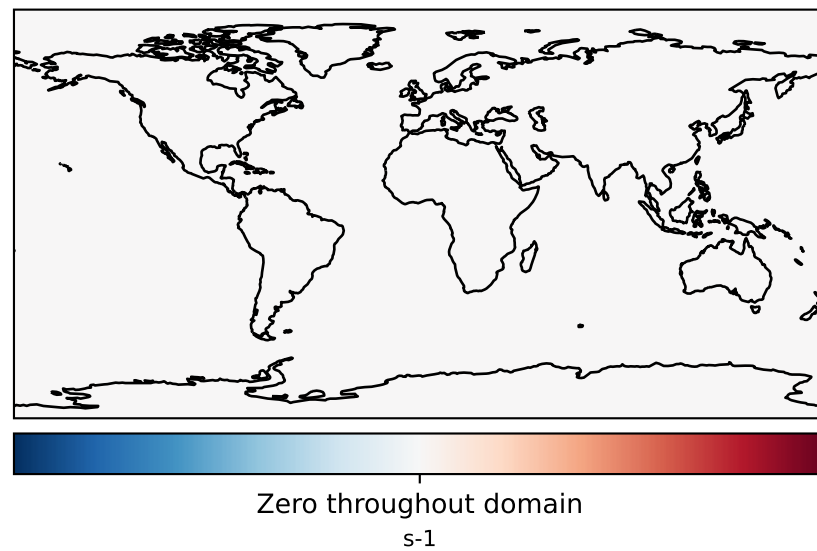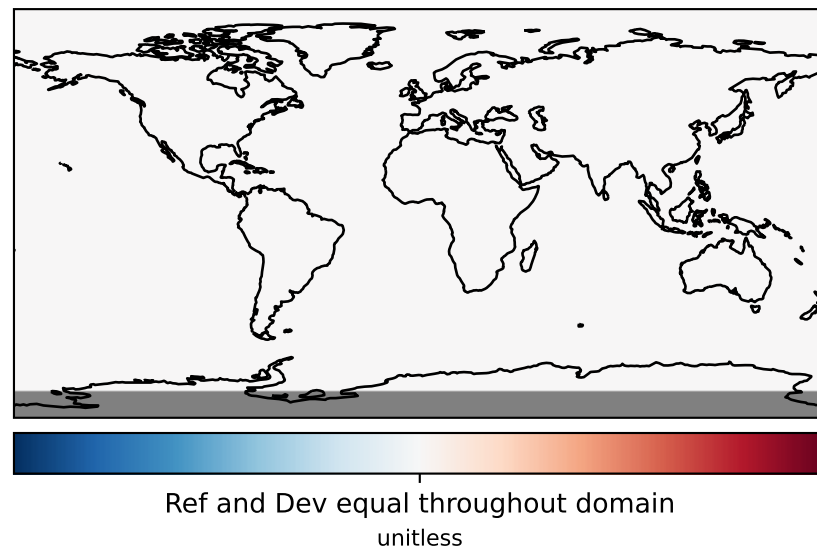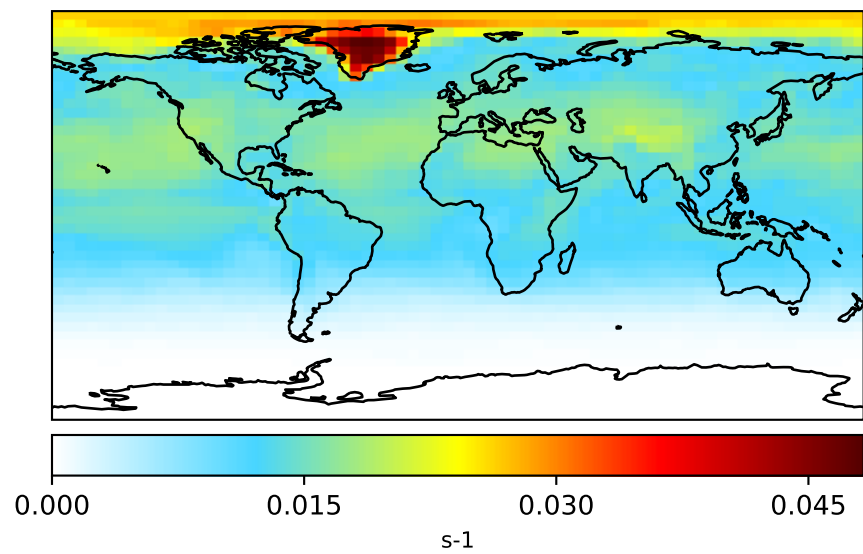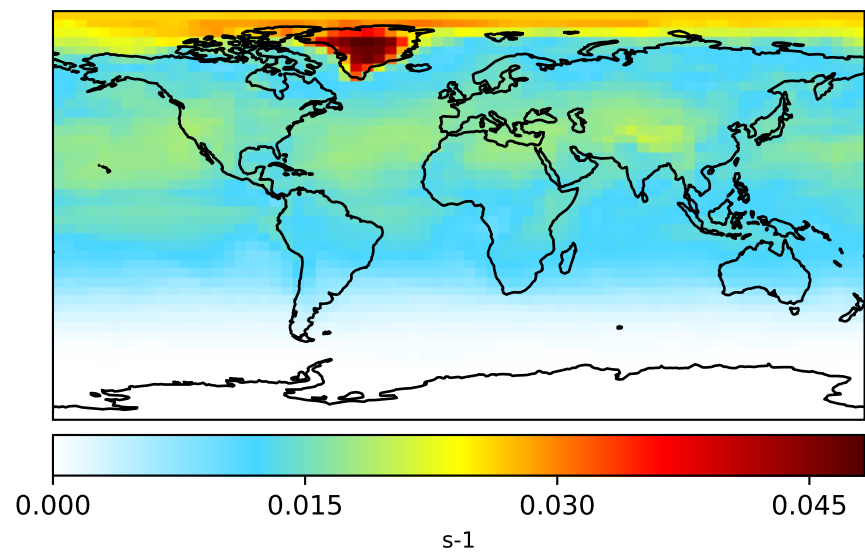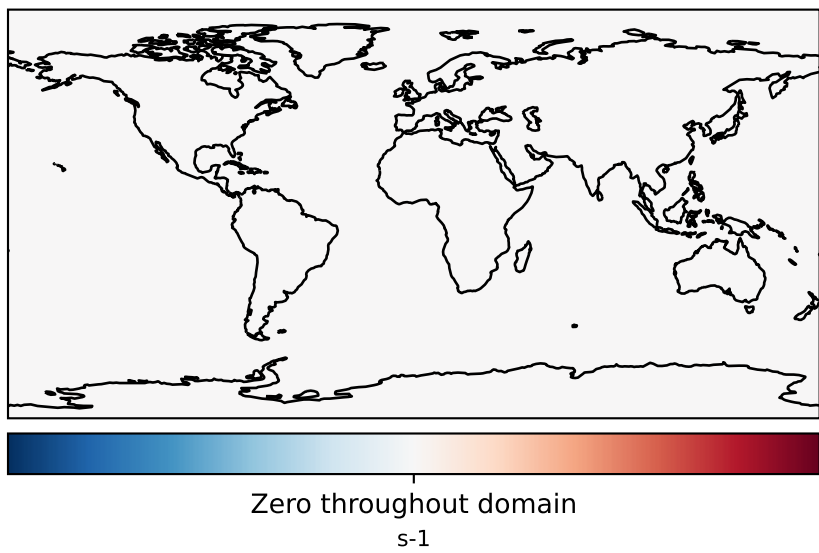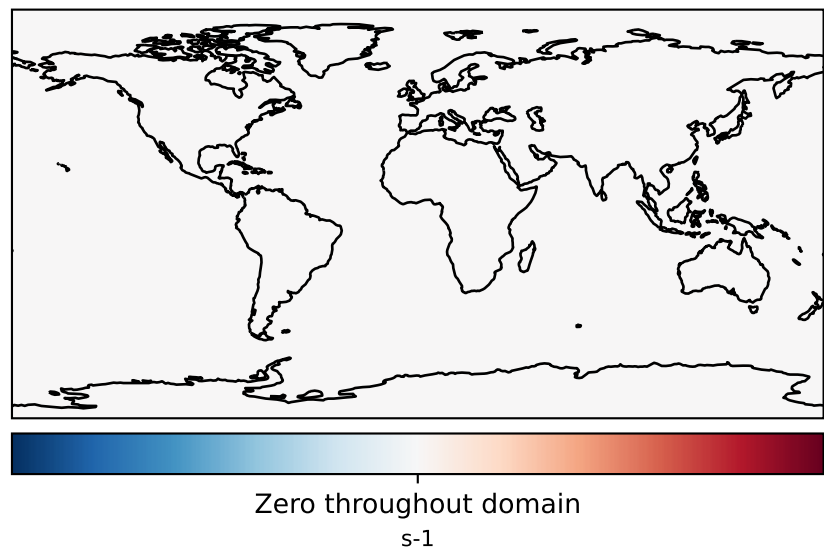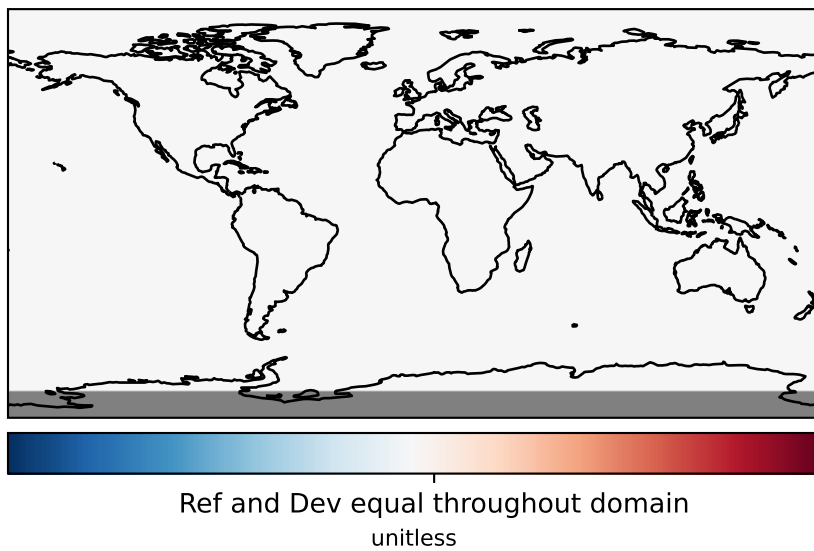
Difference
Dev - Ref, Restricted Range [5%,95%]

Zero throughout domain
s-1

Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

Ref and Dev equal throughout domain
unitless

Jval_ICl

gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0

gcc-4x5-1Mon-14.6.3 (Dev)
4.0x5.0

s-1

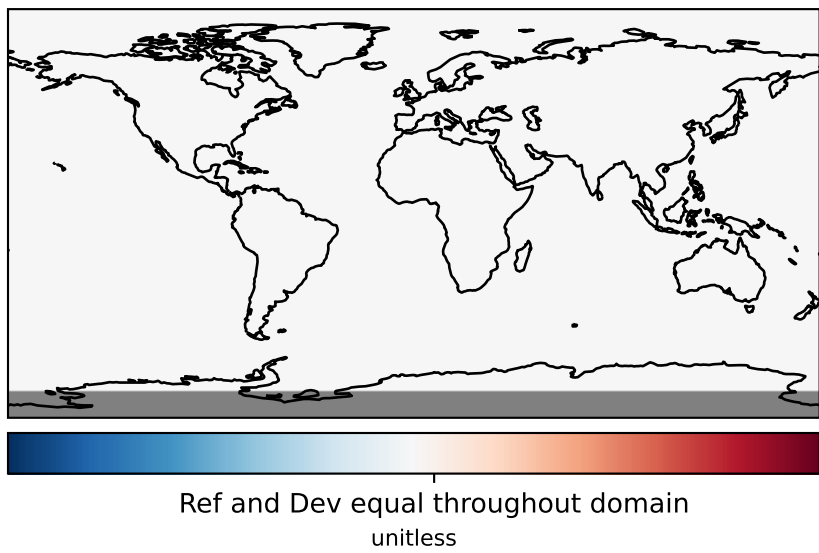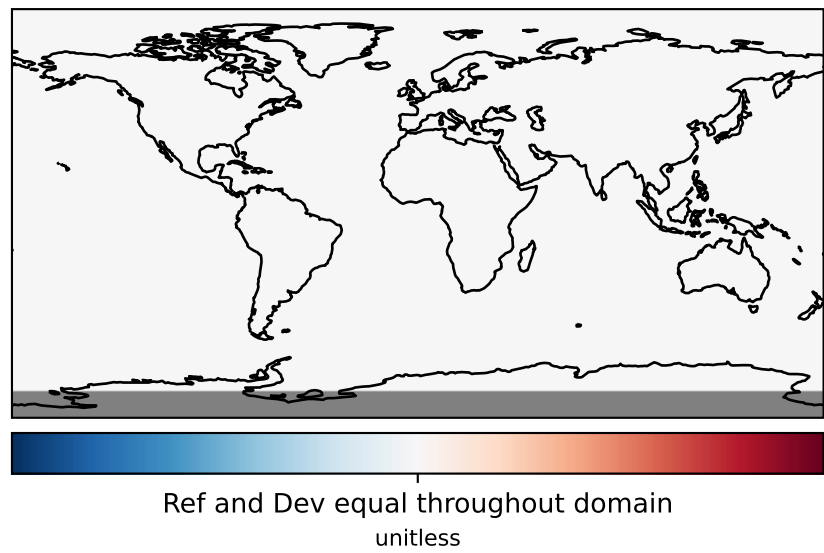s-1

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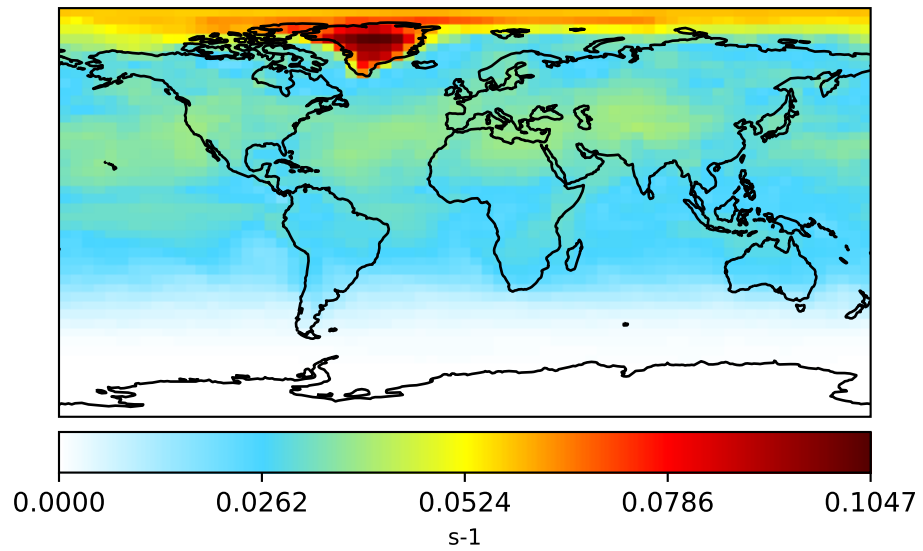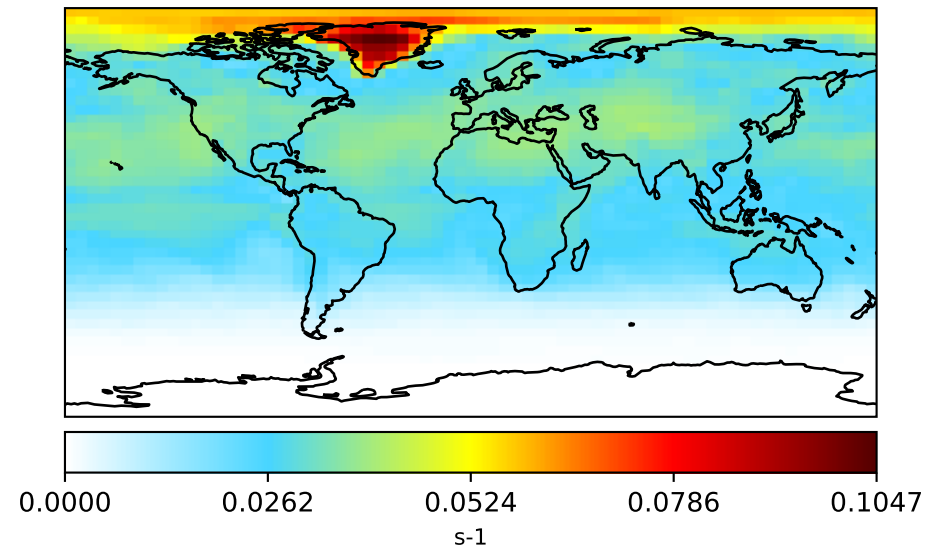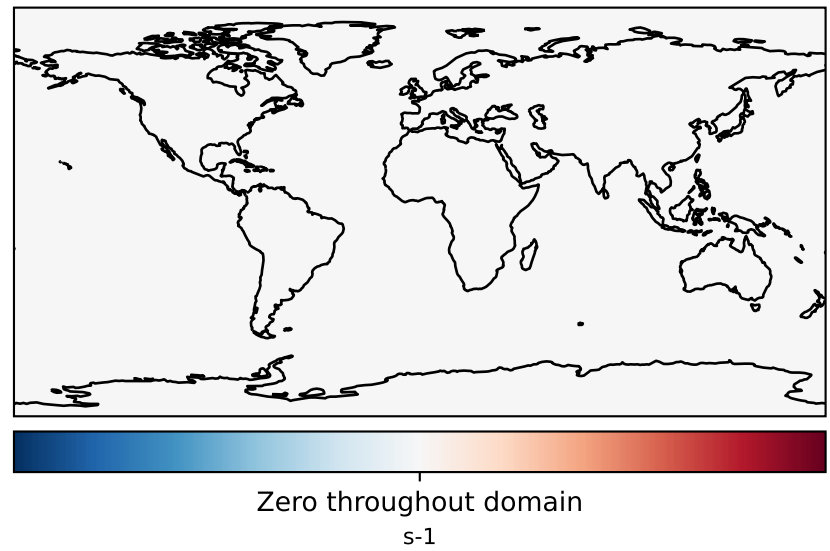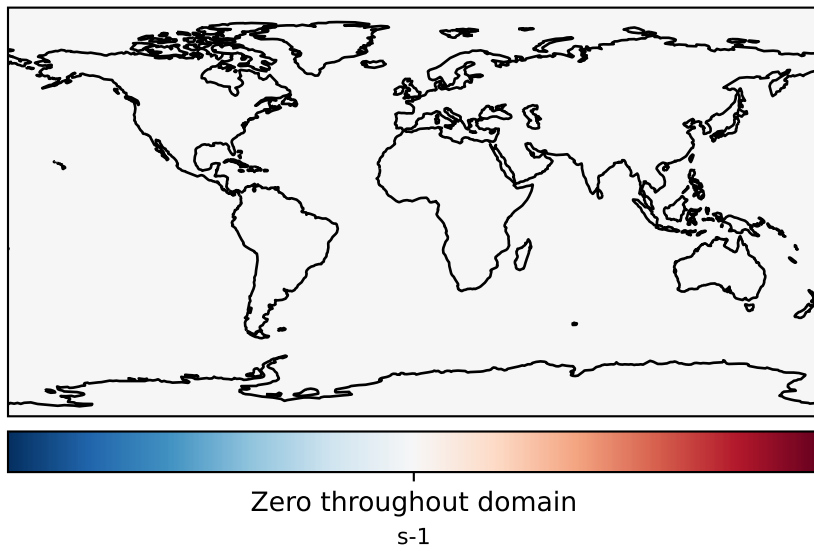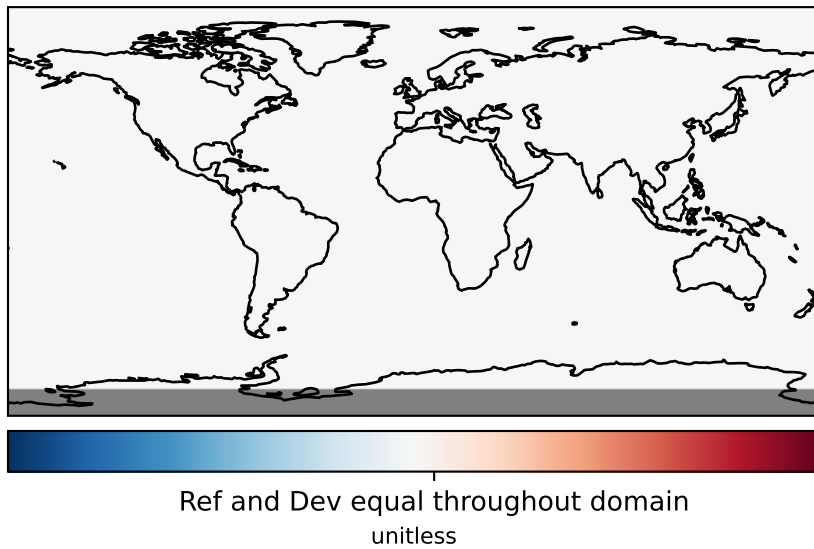
Difference
Dev - Ref, Restricted Range [5%,95%]

Zero throughout domain
s-1

Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

Ref and Dev equal throughout domain
unitless
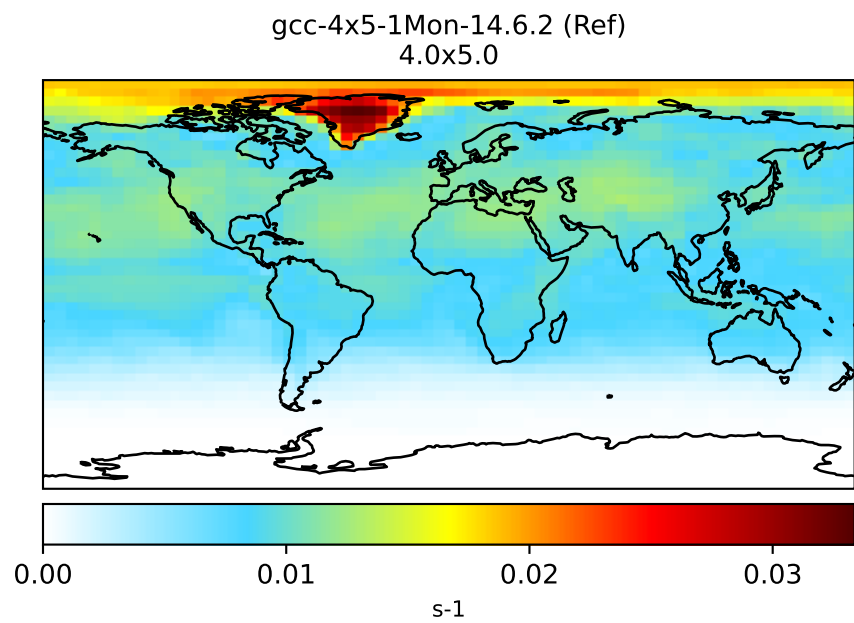
Jval_IDCHP

gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0

gcc-4x5-1Mon-14.6.3 (Dev)
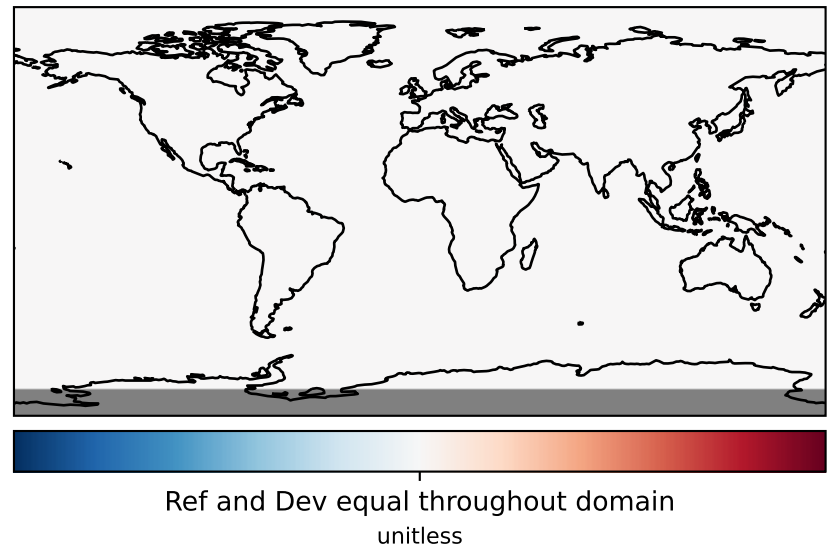4.0x5.0

s-1

s-1

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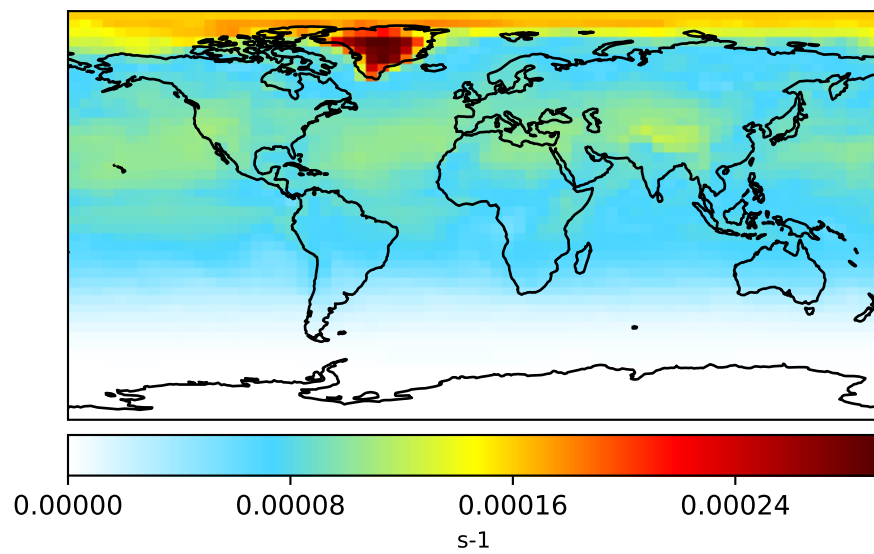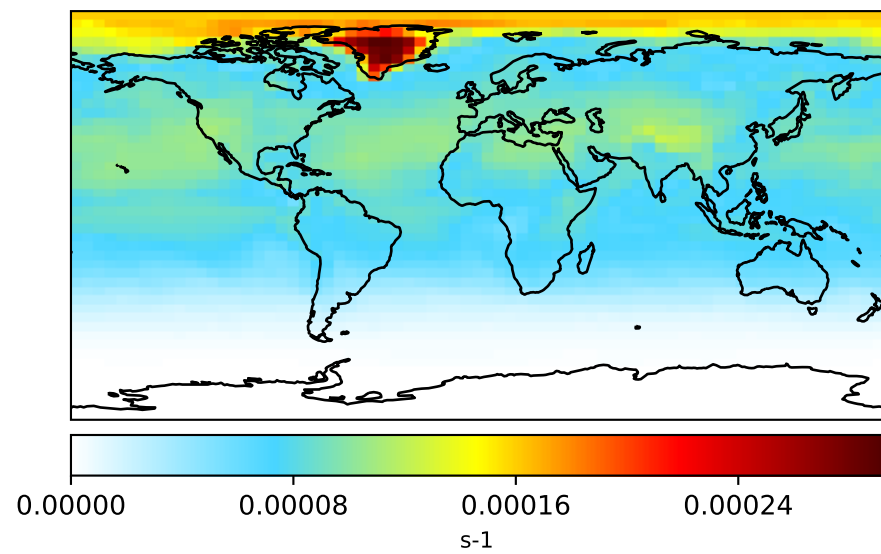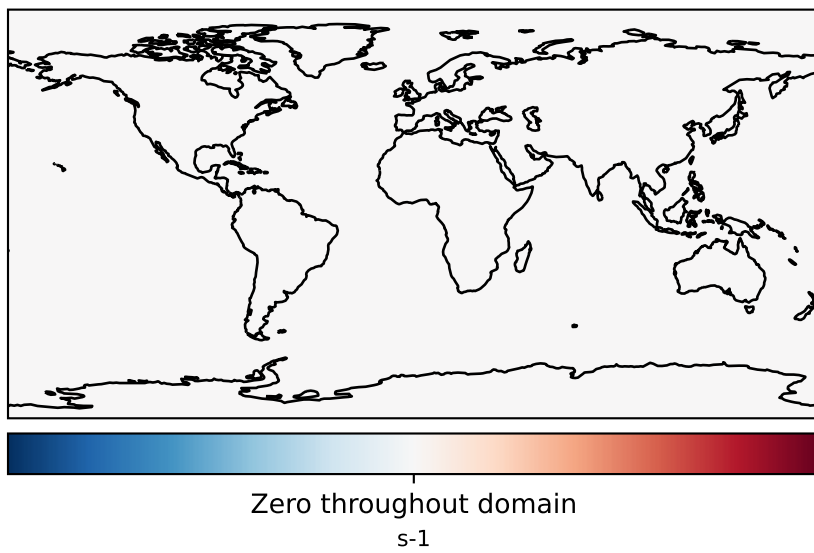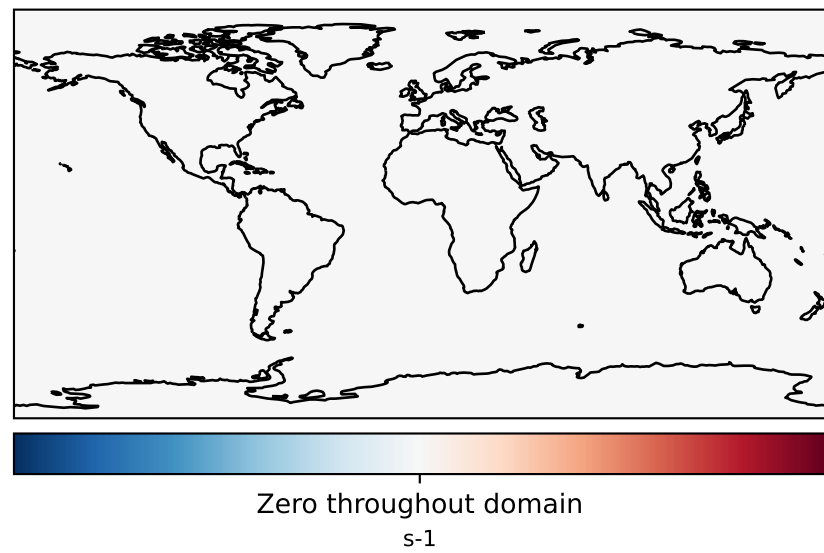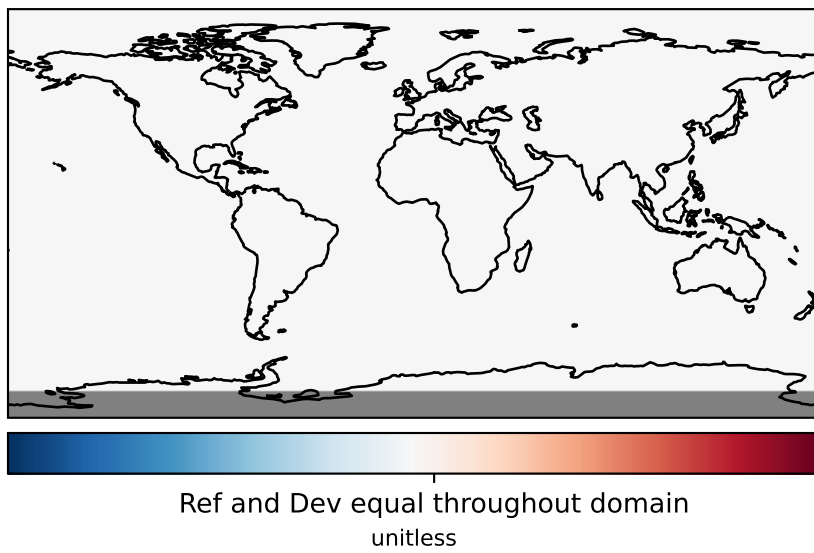
Difference
Dev - Ref, Restricted Range [5%,95%]

Zero throughout domain
s-1

Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

Ref and Dev equal throughout domain
unitless

Jval_IDHDP

gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0

gcc-4x5-1Mon-14.6.3 (Dev)
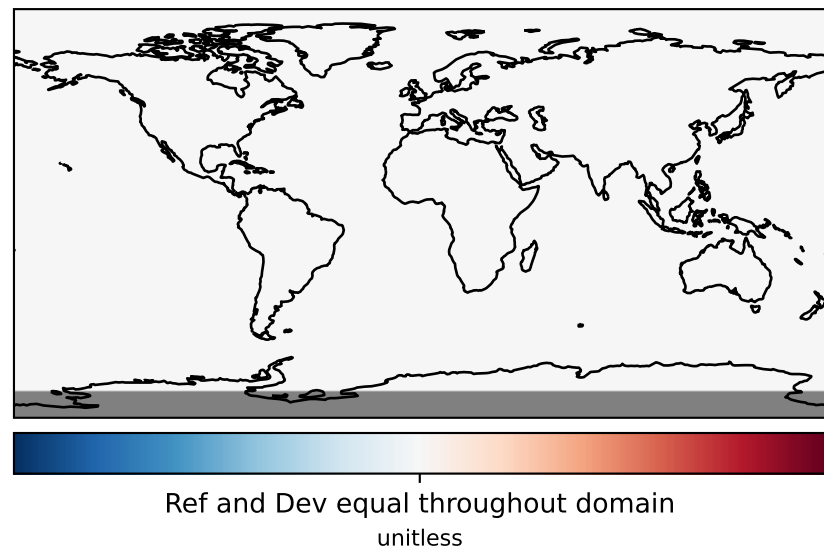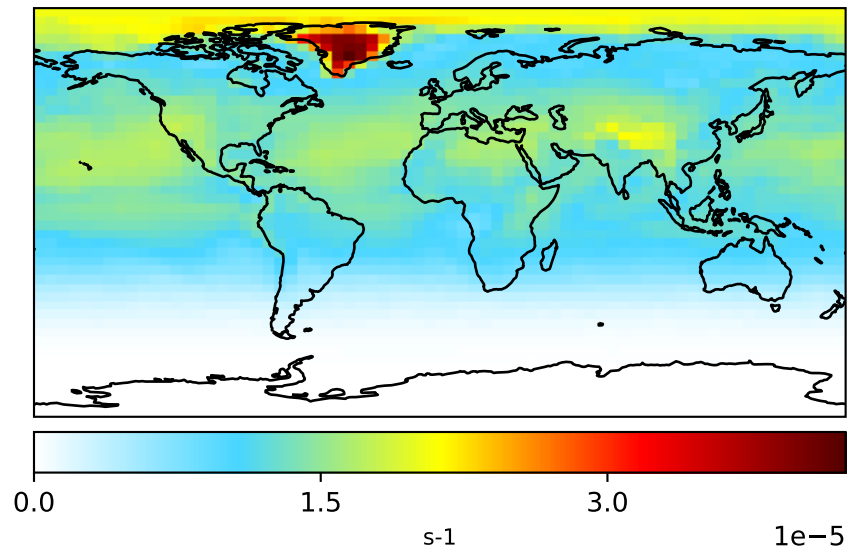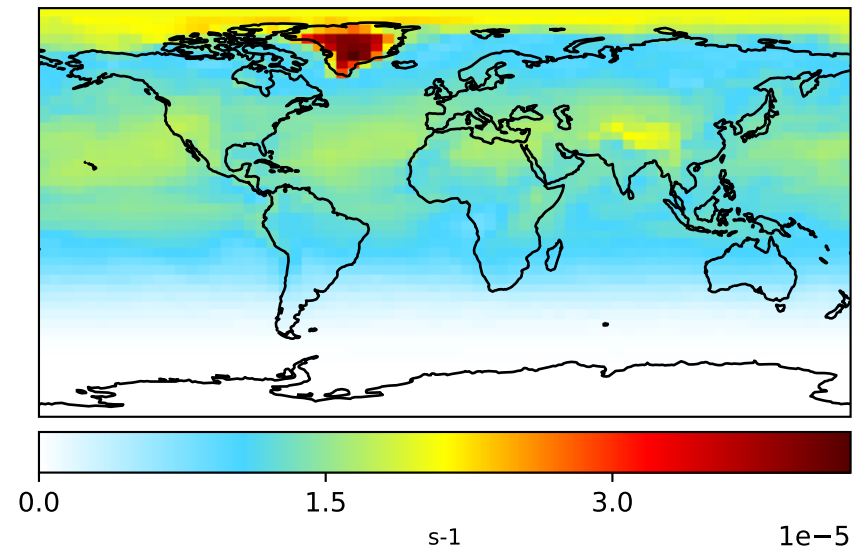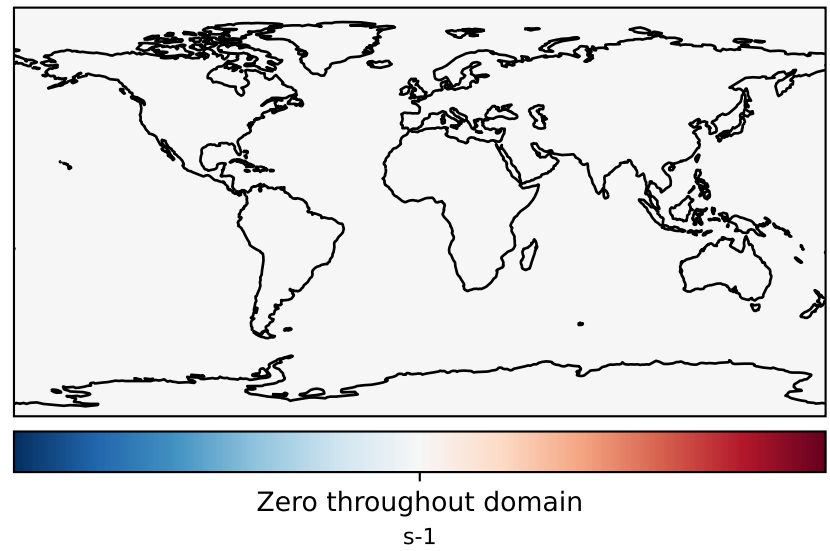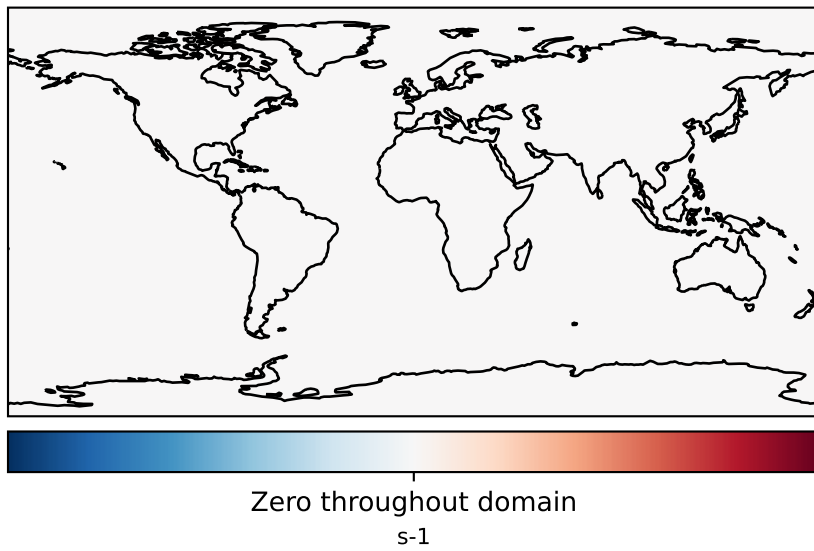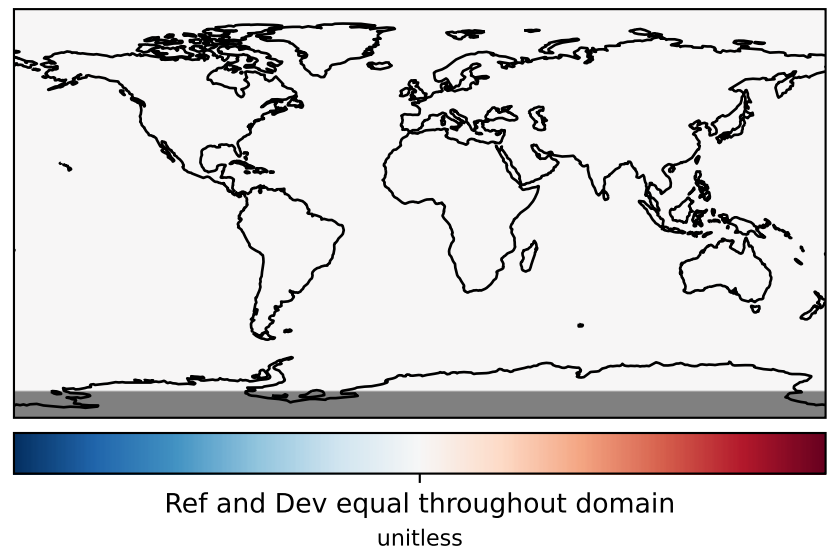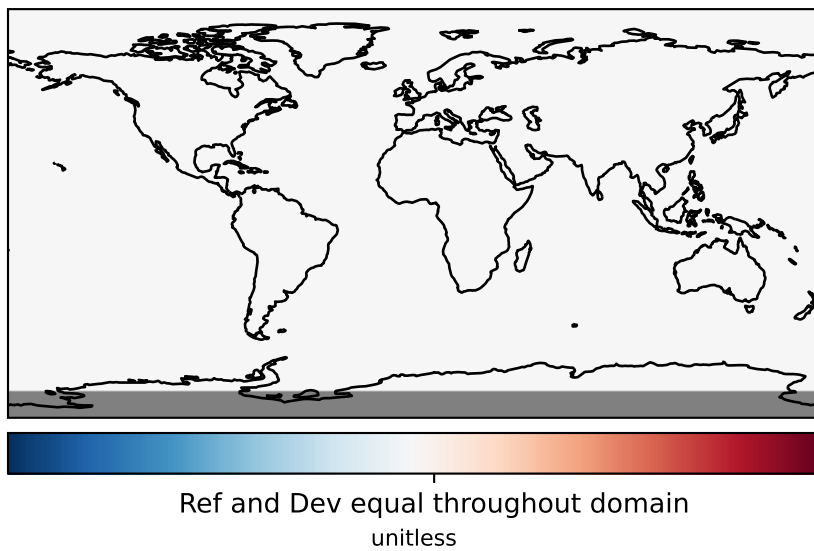4.0x5.0

s-1

s-1

Difference
Dev - Ref, Dynamic Range

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

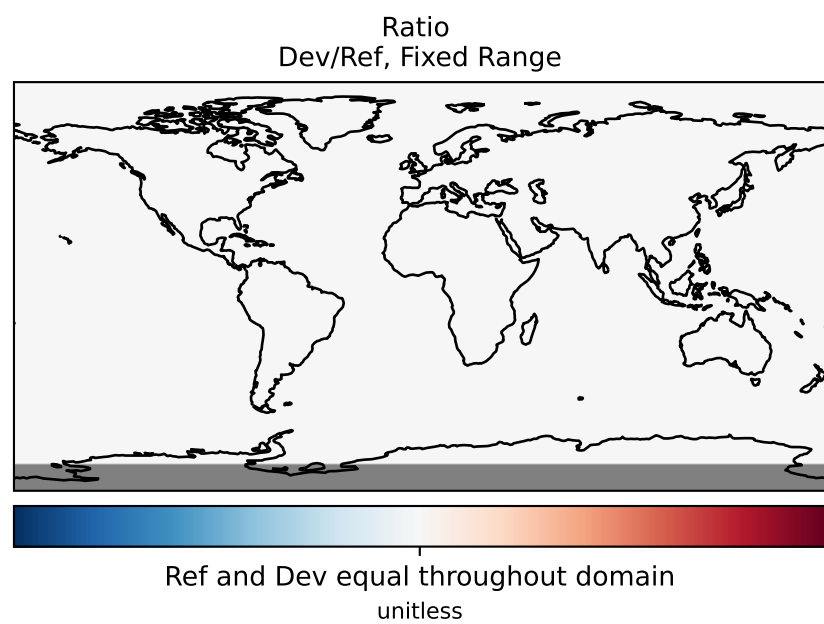Zero throughout domain
s-1

Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

Ref and Dev equal throughout domain
unitless

Jval_IDHPE

gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0

gcc-4x5-1Mon-14.6.3 (Dev)
4.0x5.0

s-1

s-1

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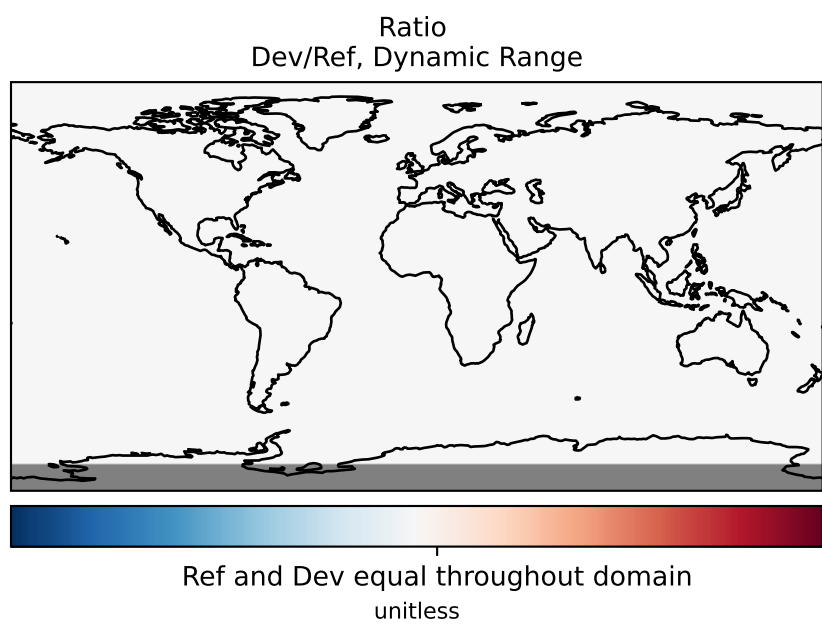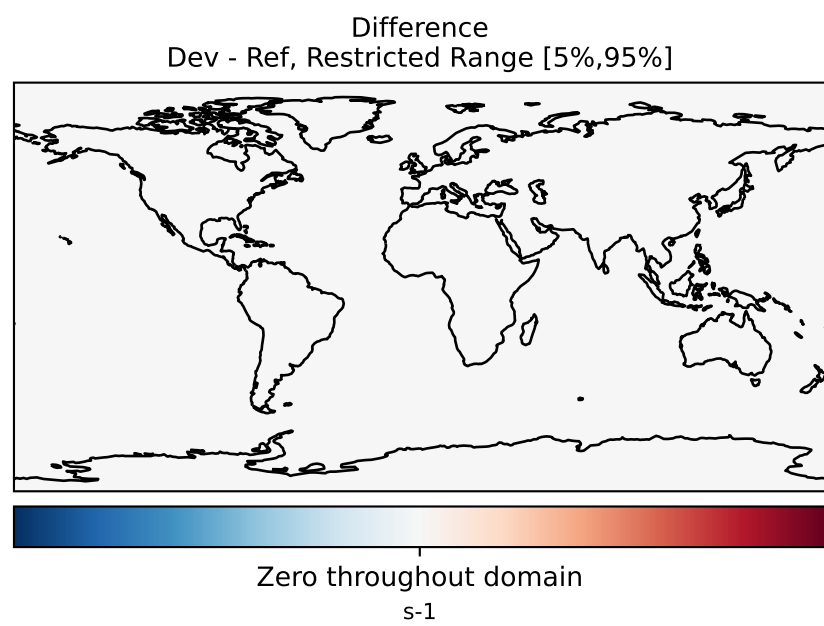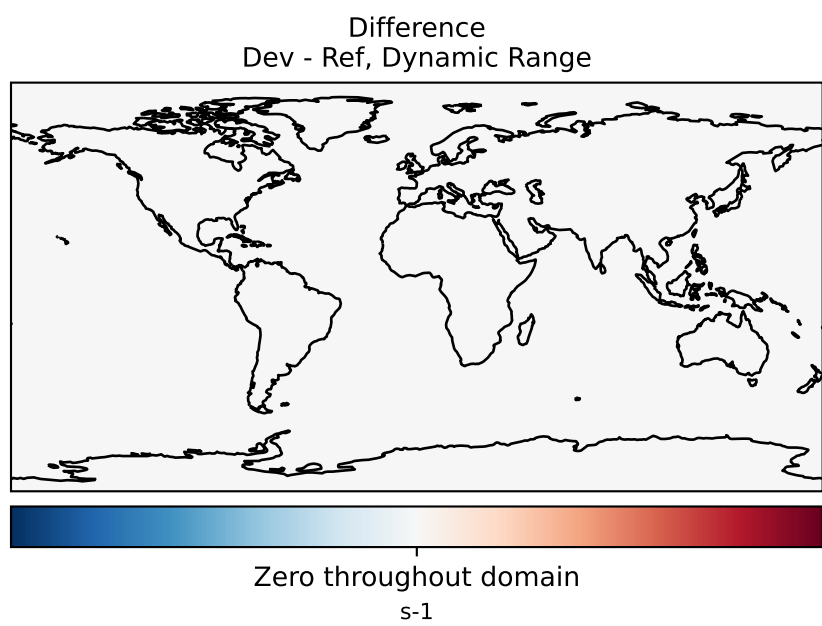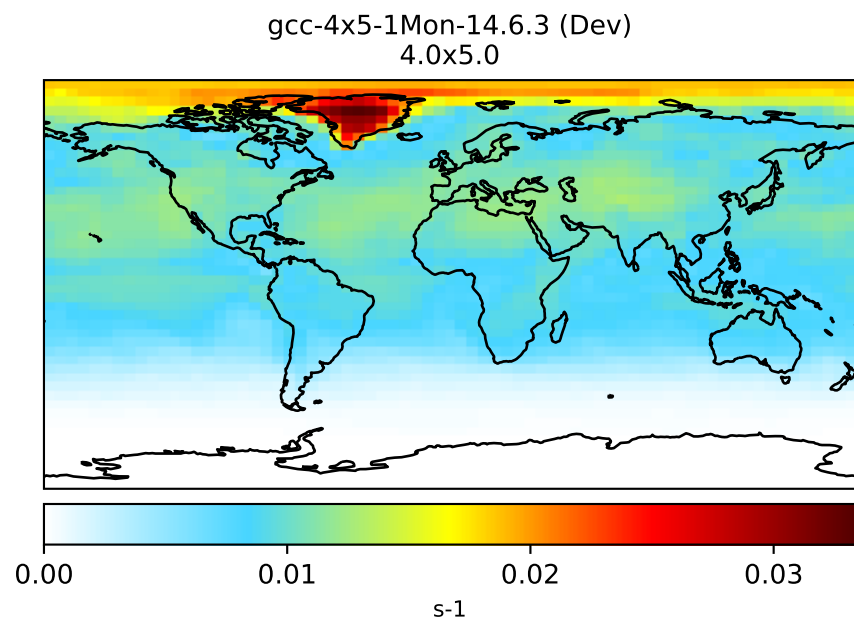
Difference
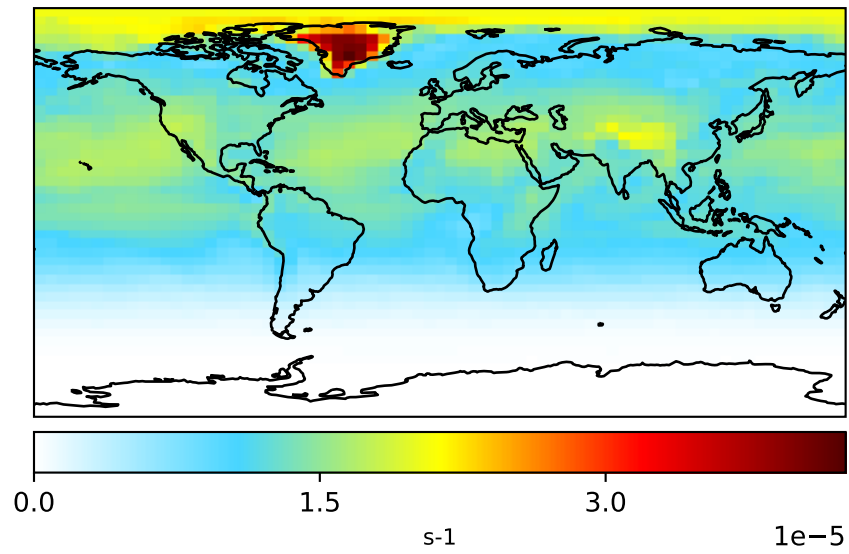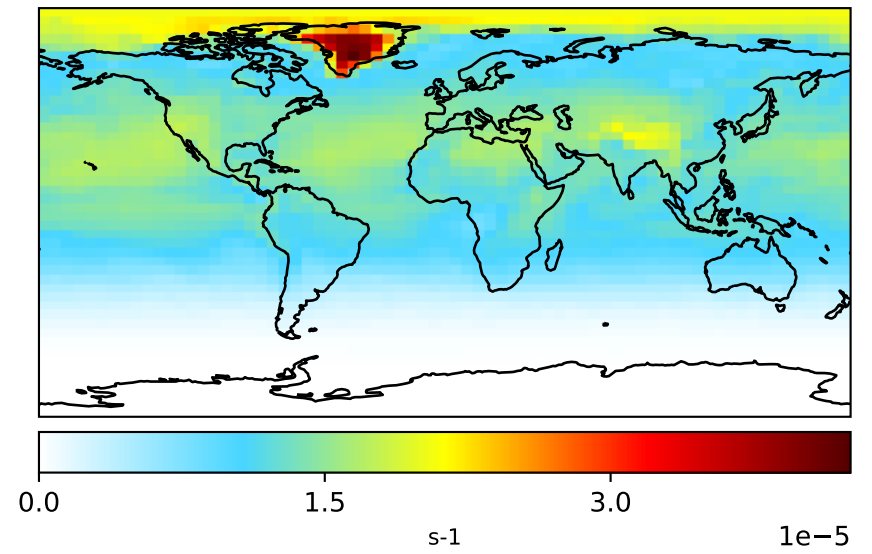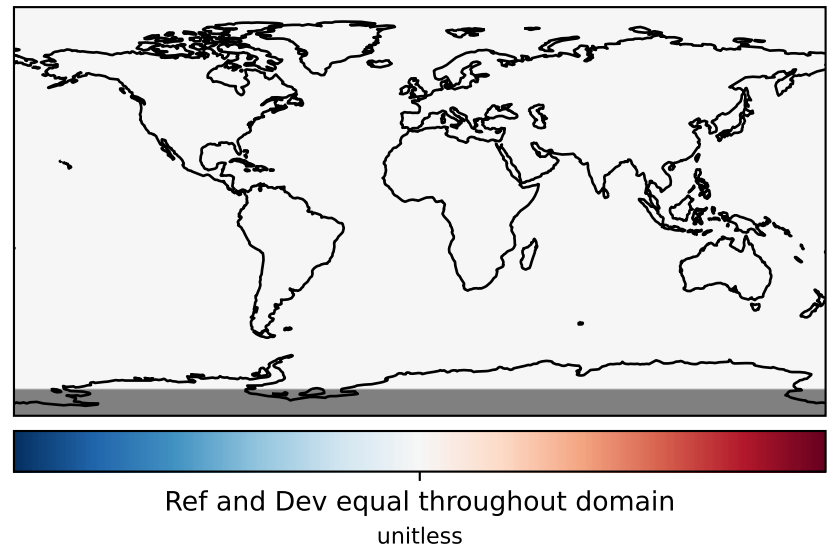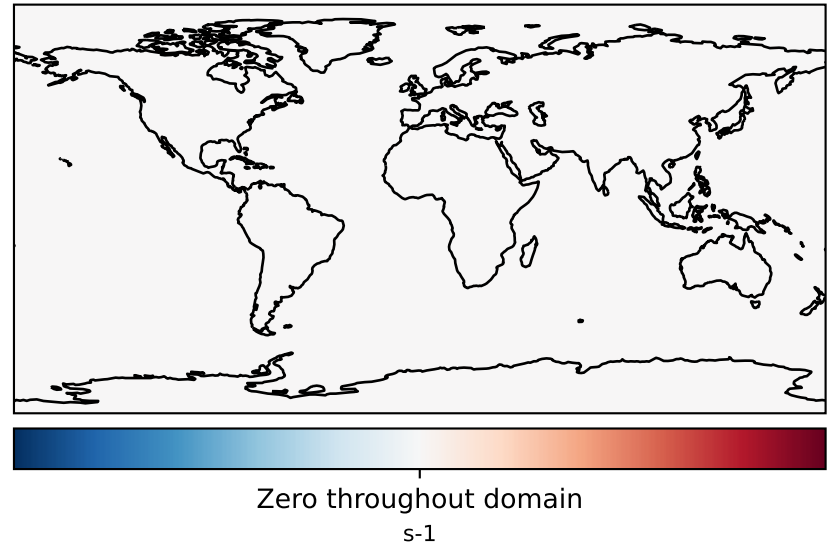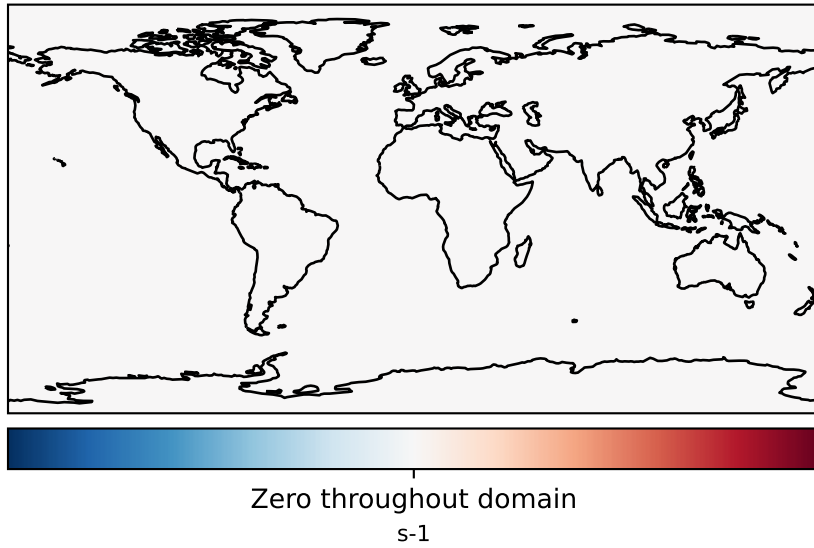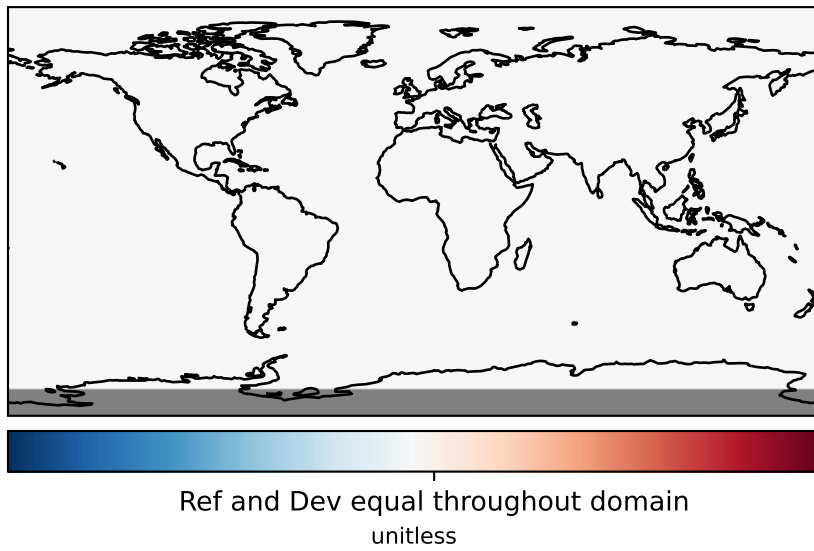Dev - Ref, Restricted Range [5%,95%]

Zero throughout domain
s-1

Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

Ref and Dev equal throughout domain
unitless

Jval_IDN

| gcc-4x5-1Mon-14.6.2 (Ref) | gcc-4x5-1Mon-14.6.3 (Dev) |
| 4.0x5.0 | 4.0x5.0 |

Difference
Dev - Ref, Dynamic Range

Zero throughout domain
s-1

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

Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ref and Dev equal throughout domain
unitless

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

Jval_IHN1

gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0

gcc-4x5-1Mon-14.6.3 (Dev)
4.0x5.0

s-1

s-1

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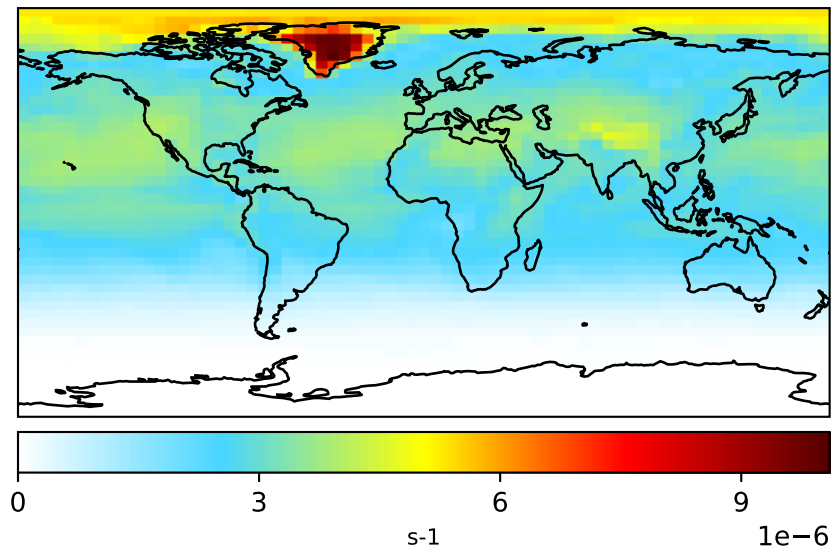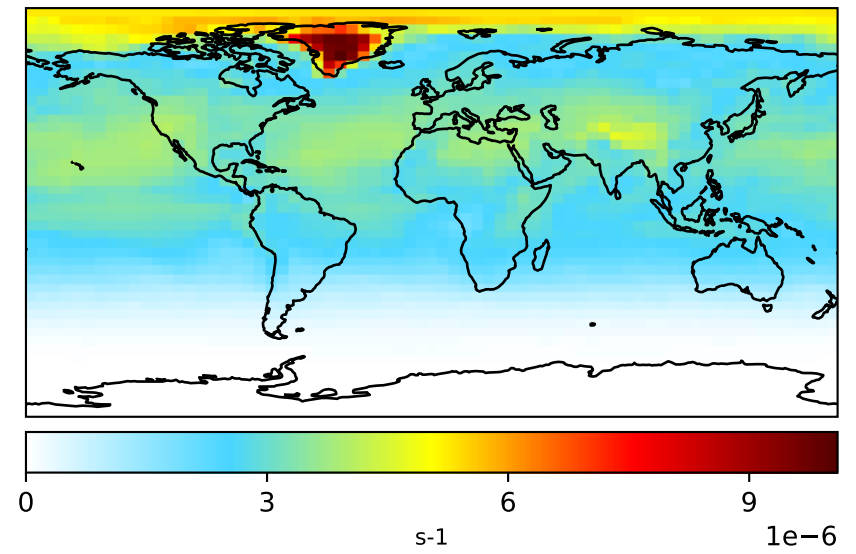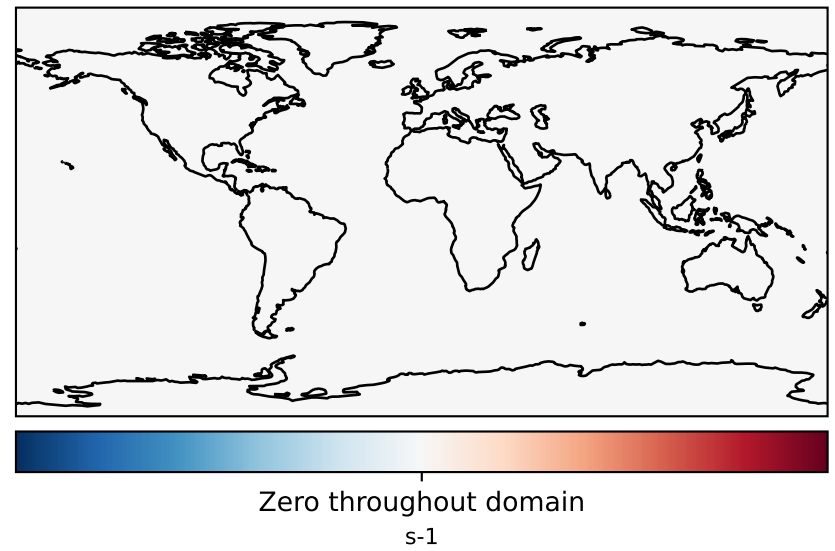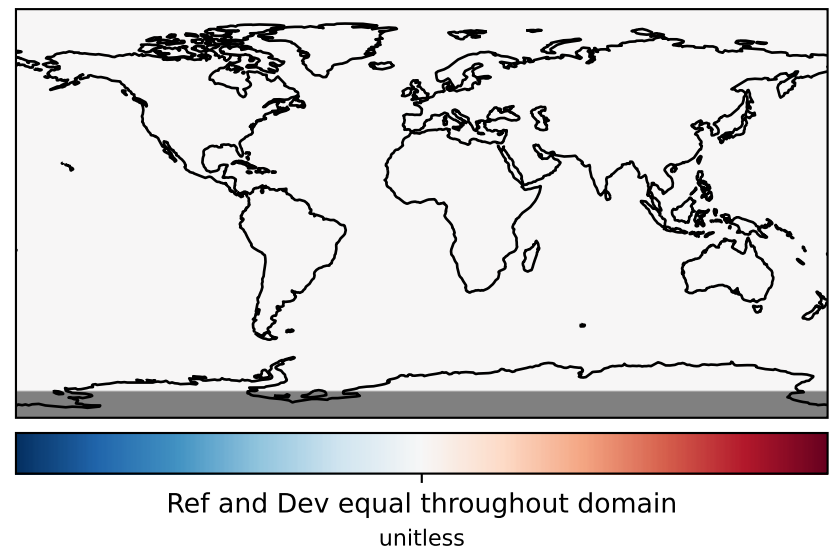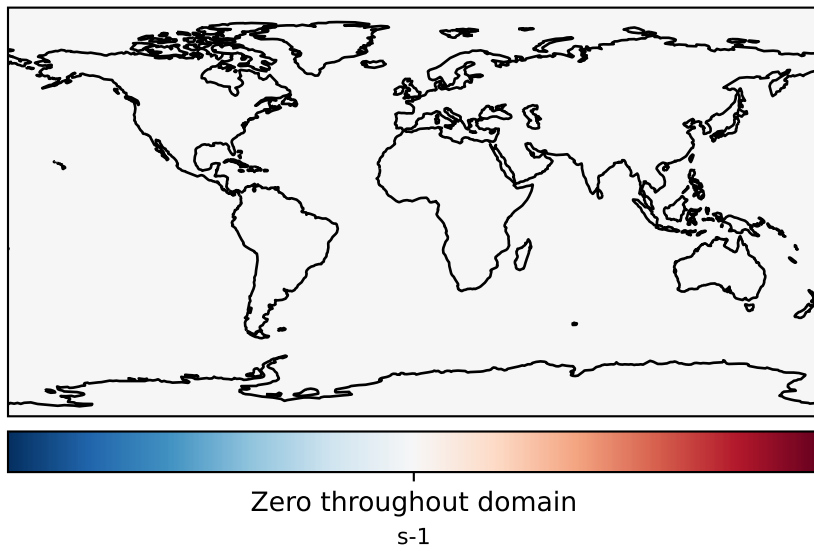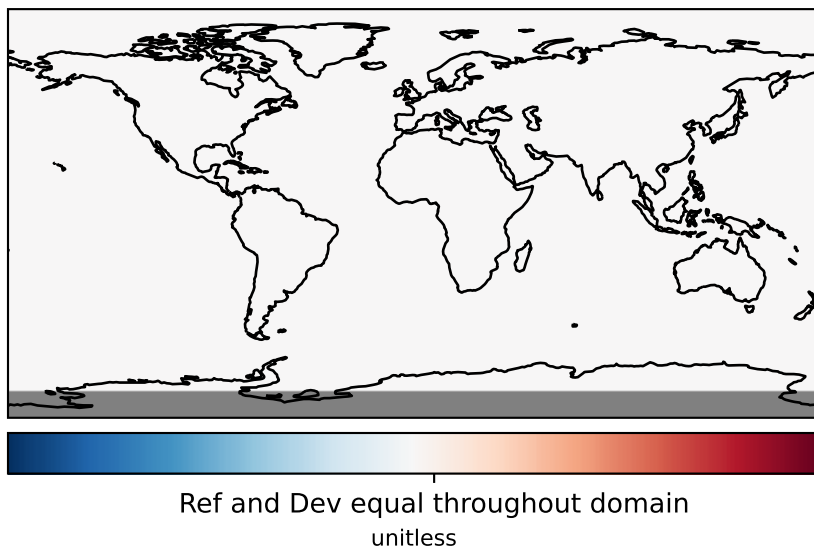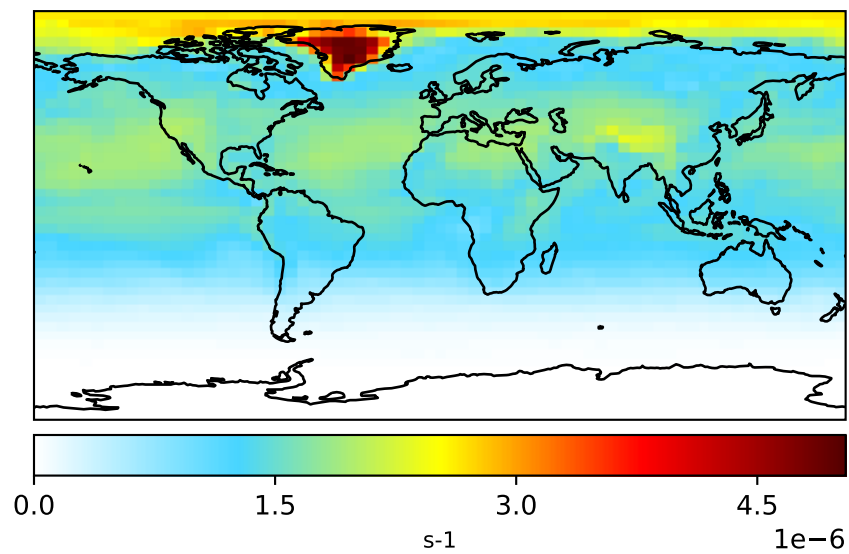
Difference
Dev - Ref, Restricted Range [5%,95%]

Zero throughout domain
s-1

Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
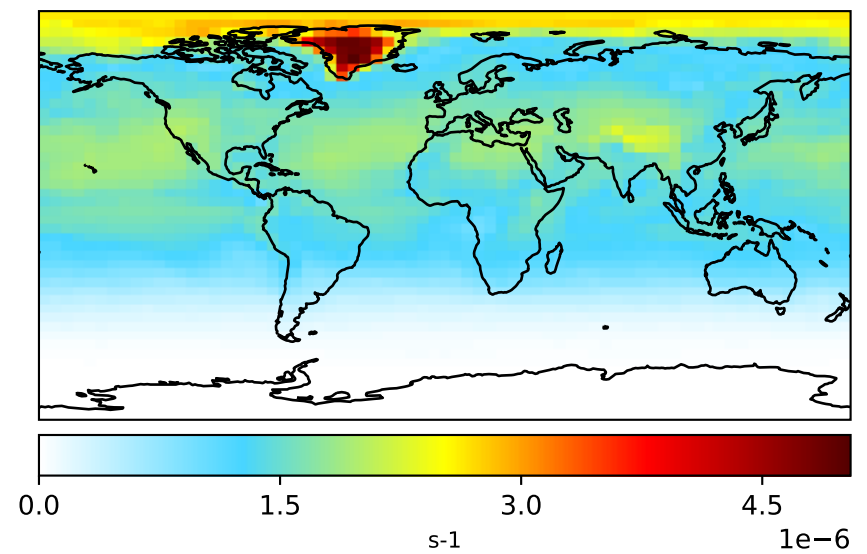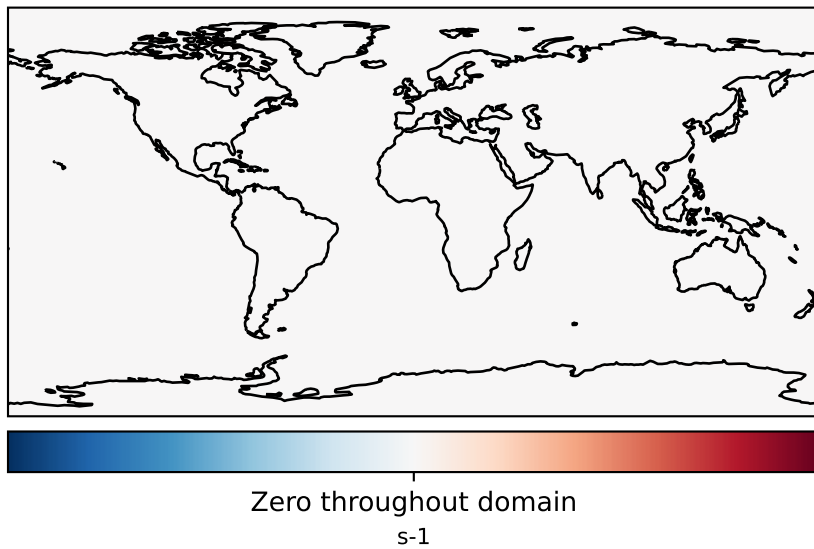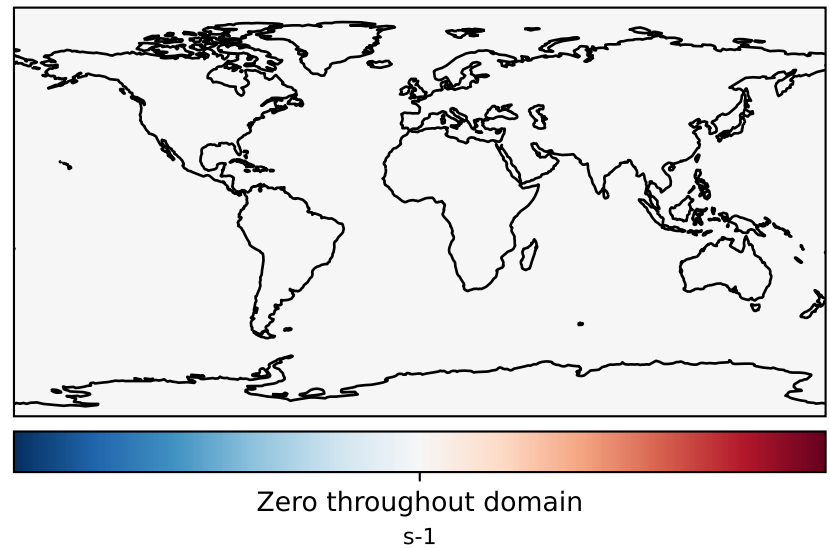unitless

Ref and Dev equal throughout domain
unitless

Jval_IHN2

gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0

gcc-4x5-1Mon-14.6.3 (Dev)
4.0x5.0

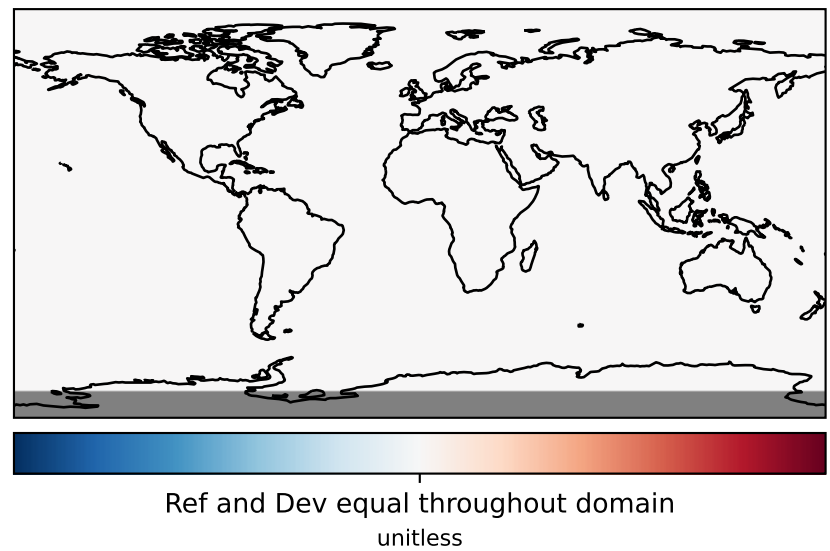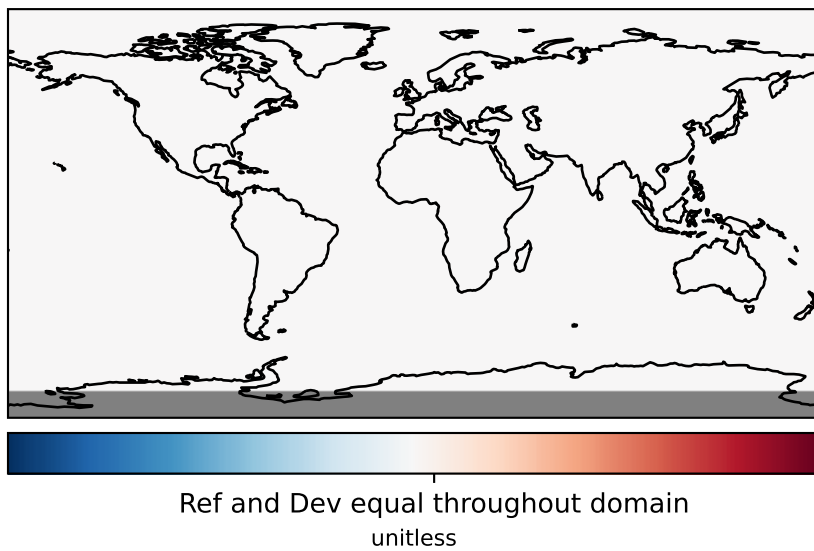Difference
Dev - Ref, Dynamic Range
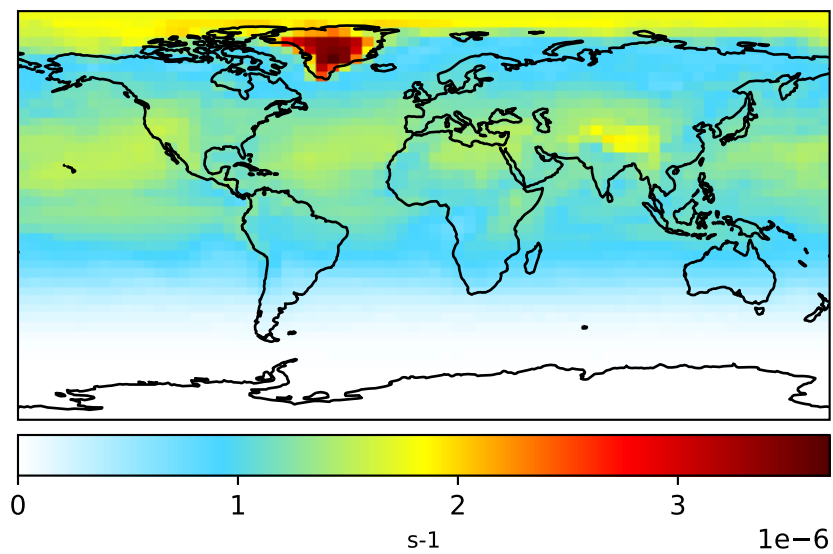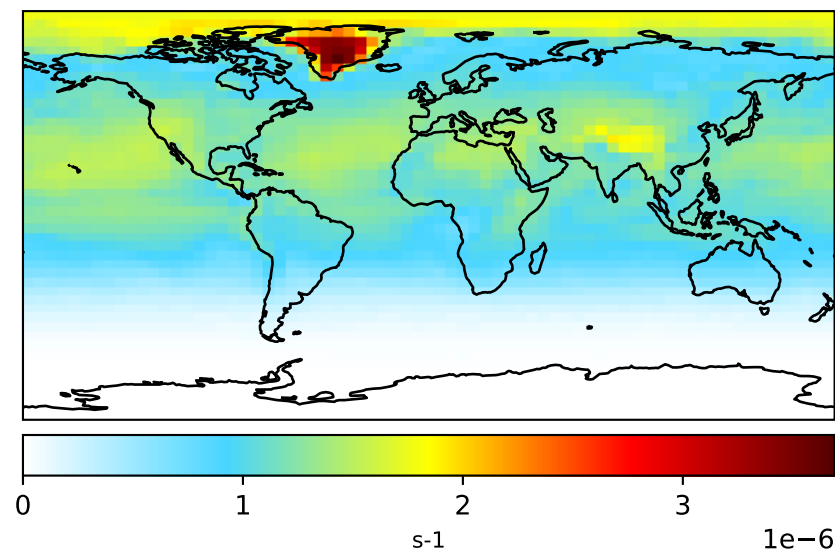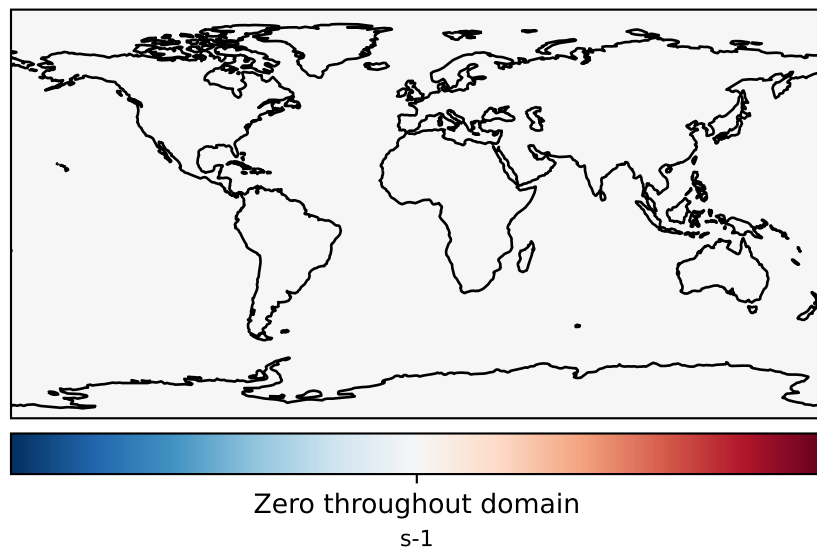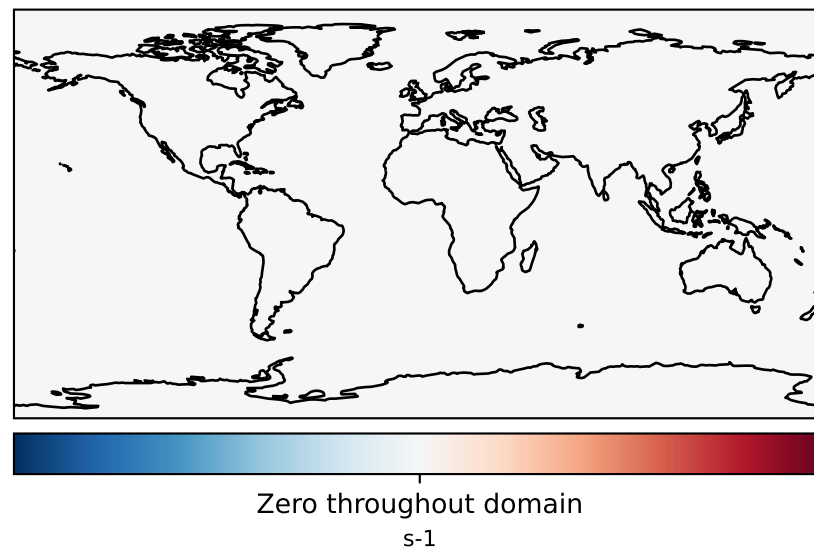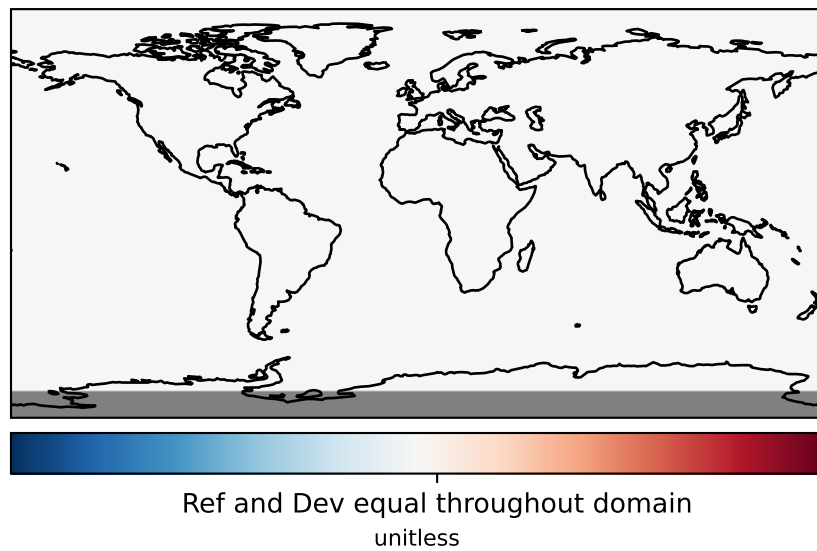
Difference
Dev - Ref, Restricted Range [5%,95%]

Zero throughout domain
s-1

Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

Ref and Dev equal throughout domain
unitless

Jval_IHN3

gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0

gcc-4x5-1Mon-14.6.3 (Dev)
4.0x5.0
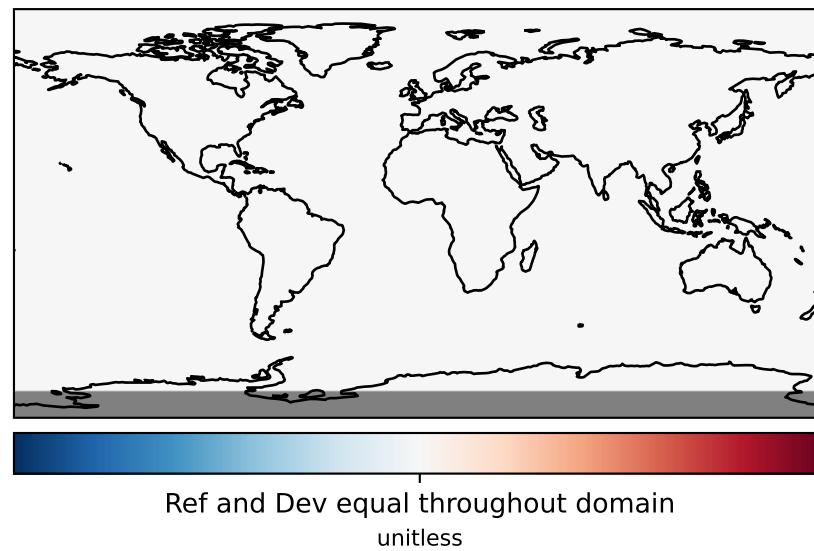
s-1

s-1

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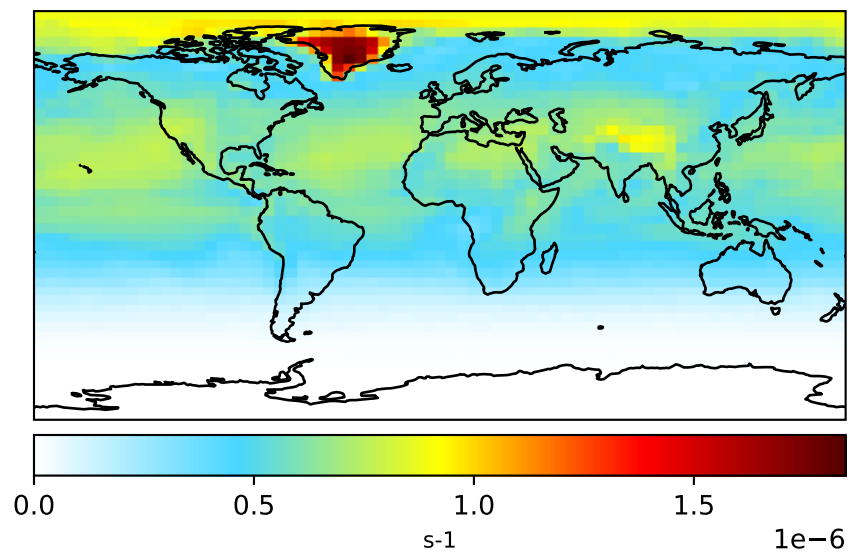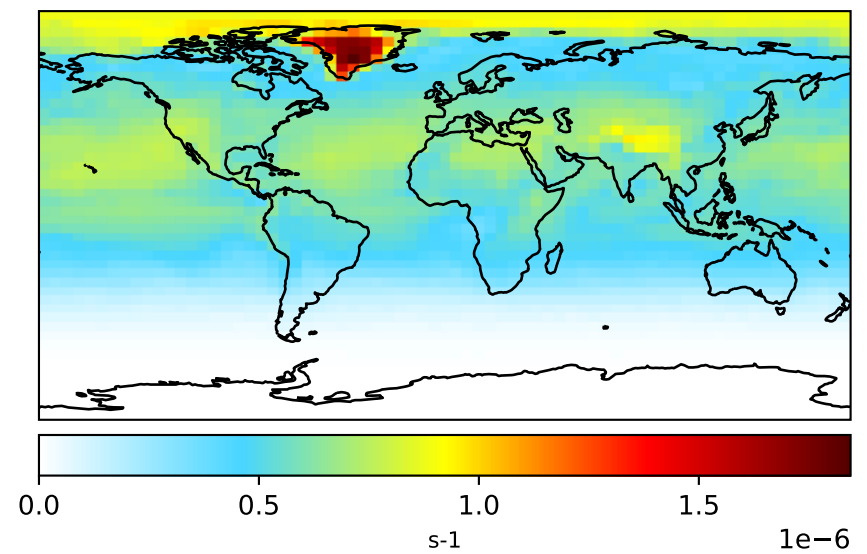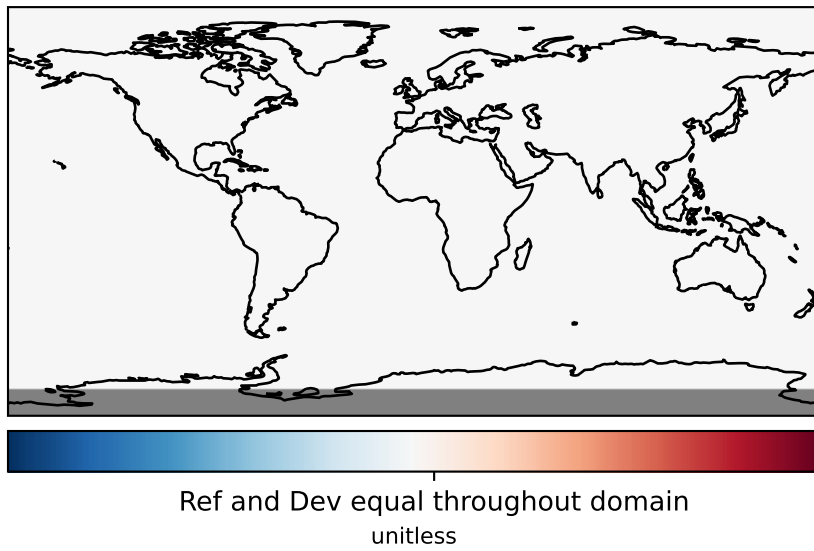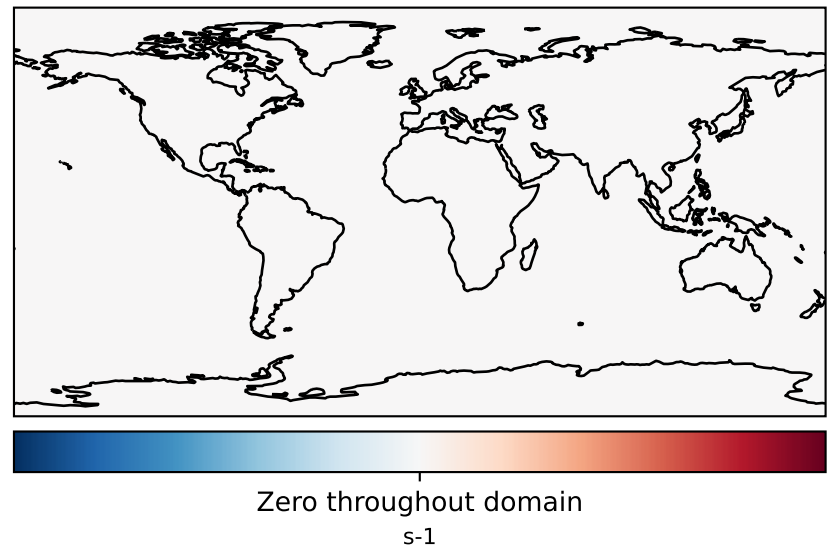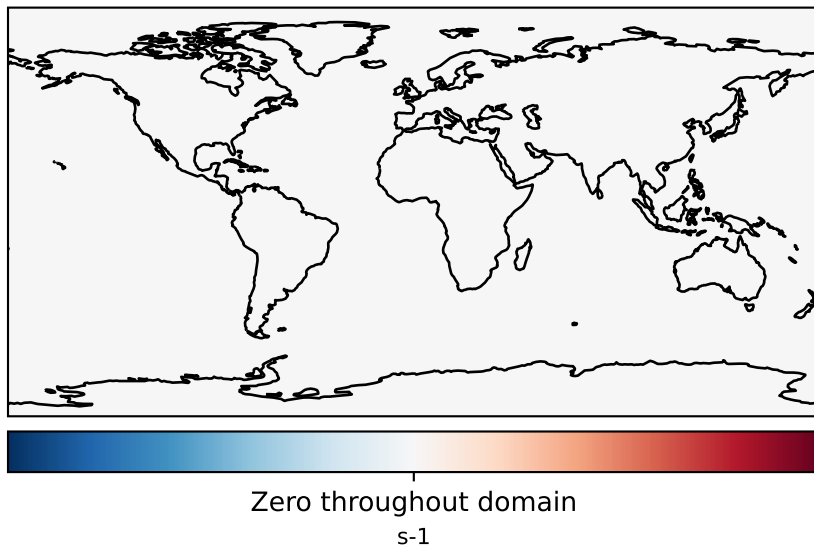
Difference
Dev - Ref, Restricted Range [5%,95%]

Zero throughout domain
s-1

Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

Ref and Dev equal throughout domain
unitless

Jval_IHN4

gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0

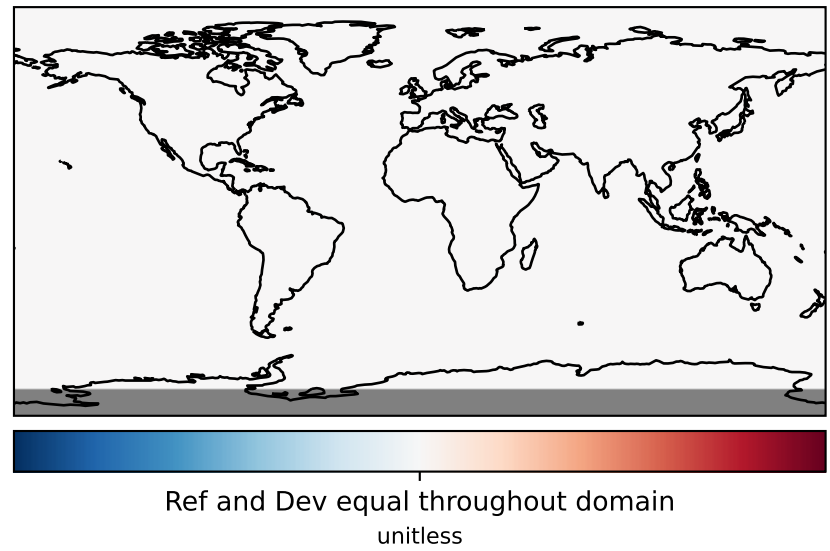gcc-4x5-1Mon-14.6.3 (Dev)
4.0x5.0

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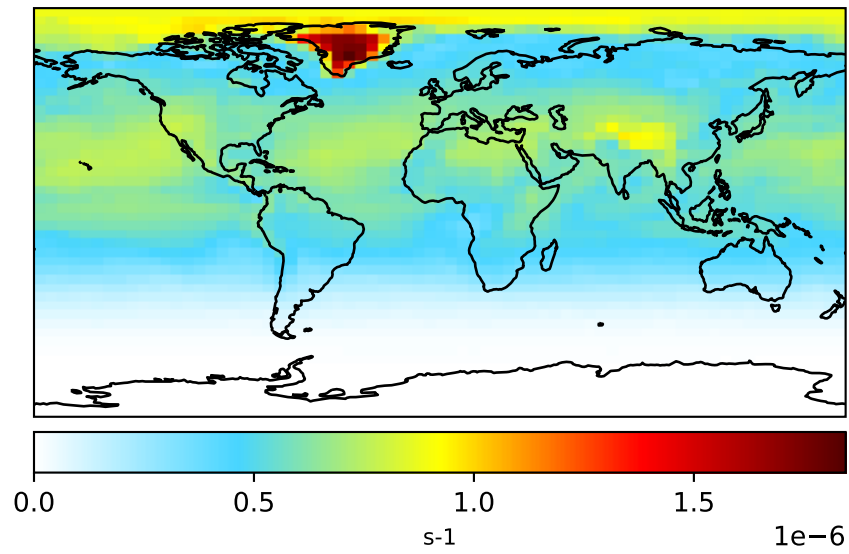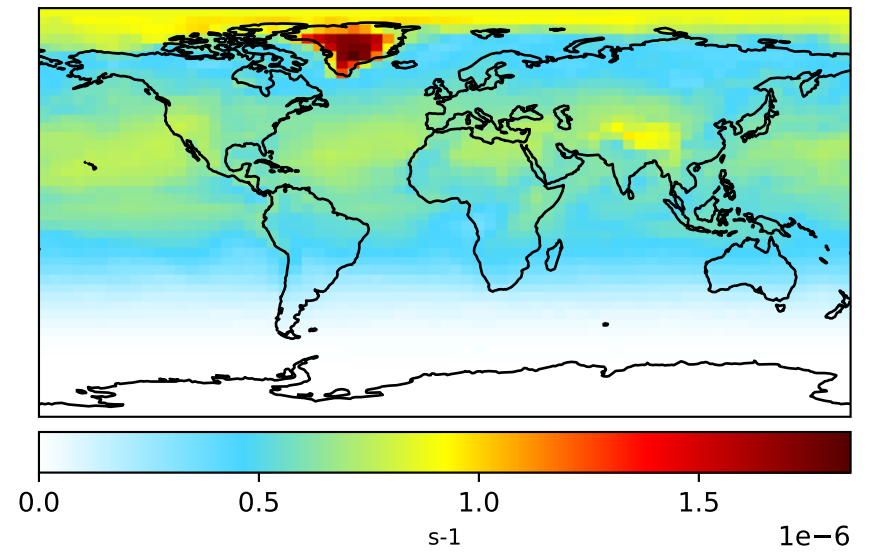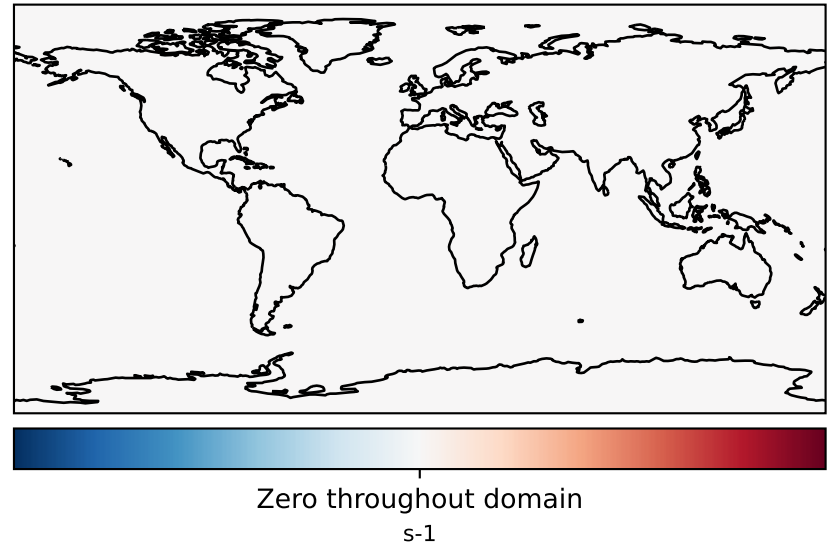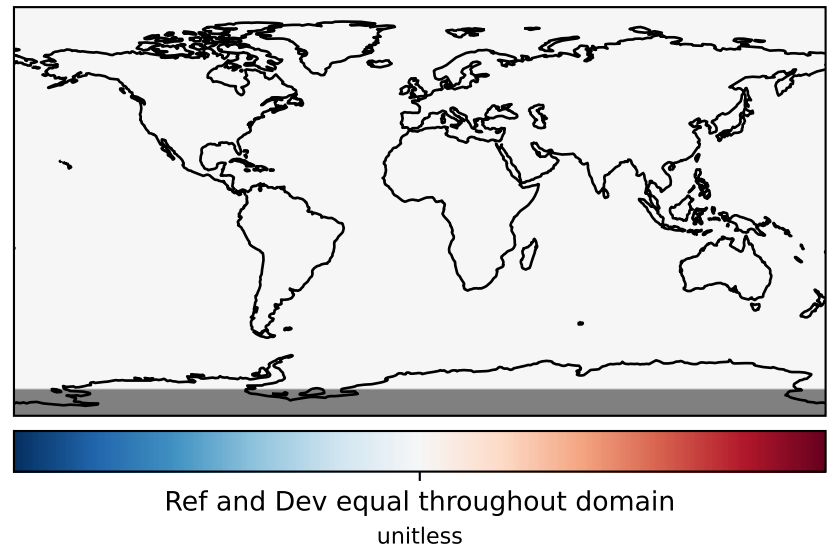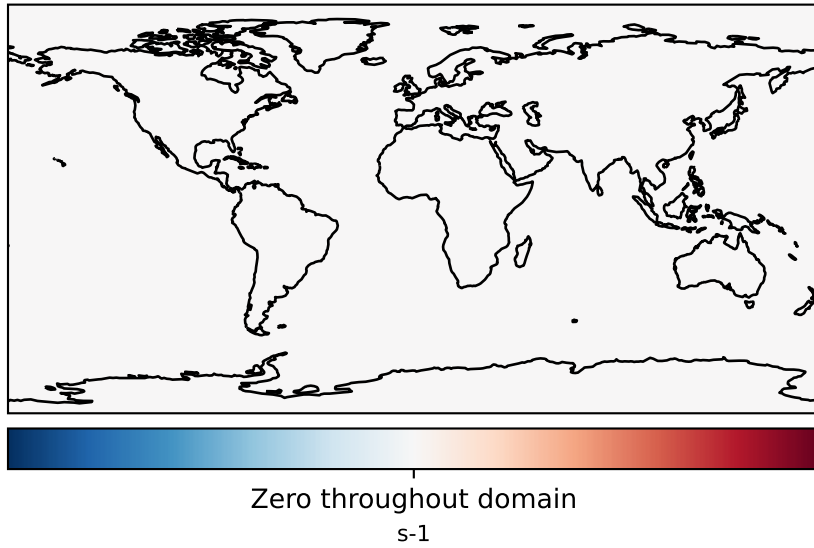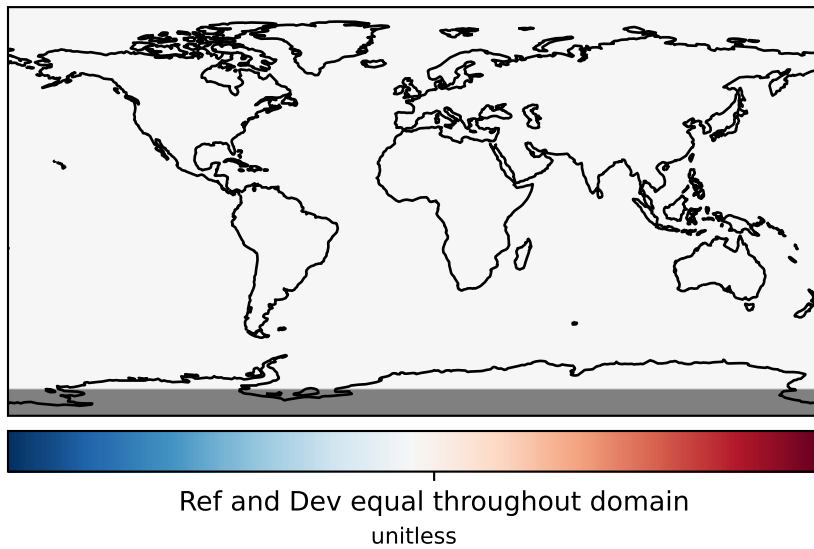
Difference
Dev - Ref, Restricted Range [5%,95%]

Zero throughout domain
s-1
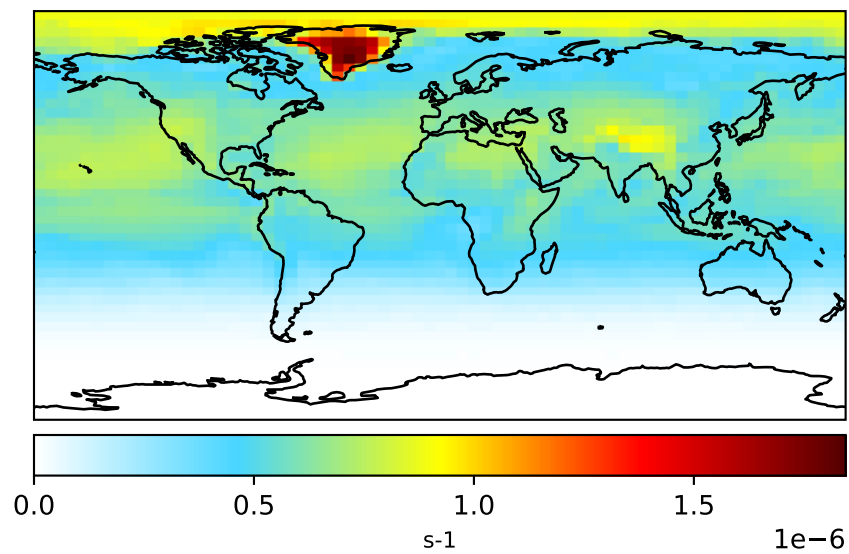
Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

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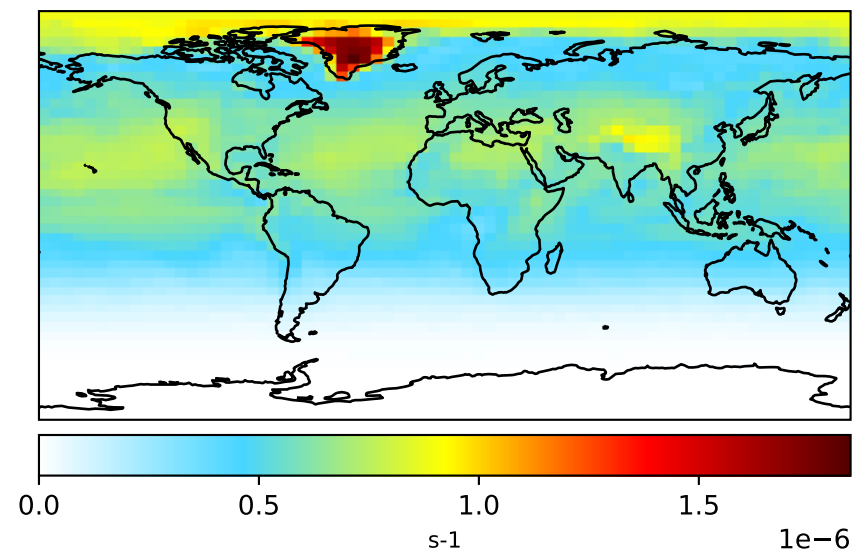unitless
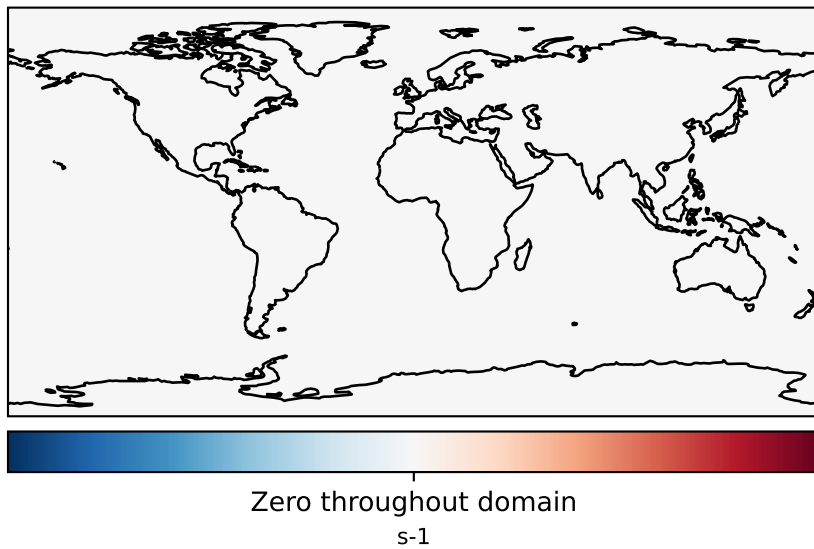
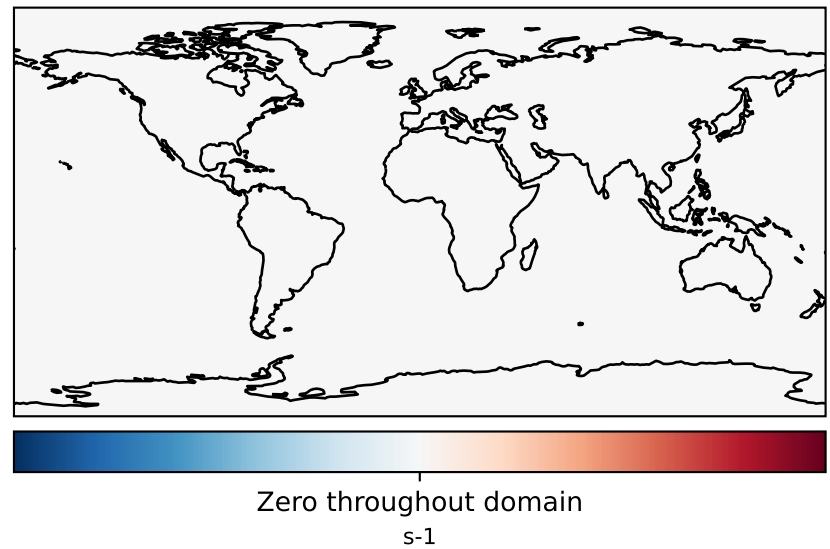Ref and Dev equal throughout domain
unitless

Jval_INO

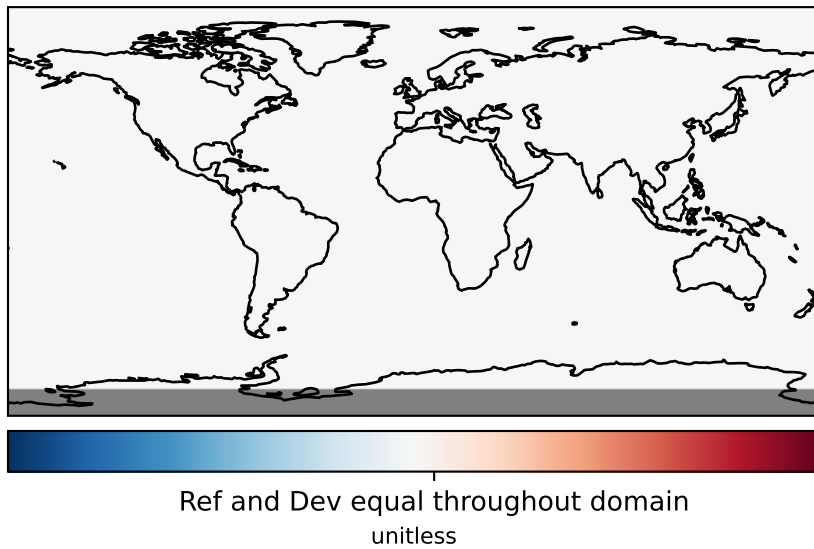gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0

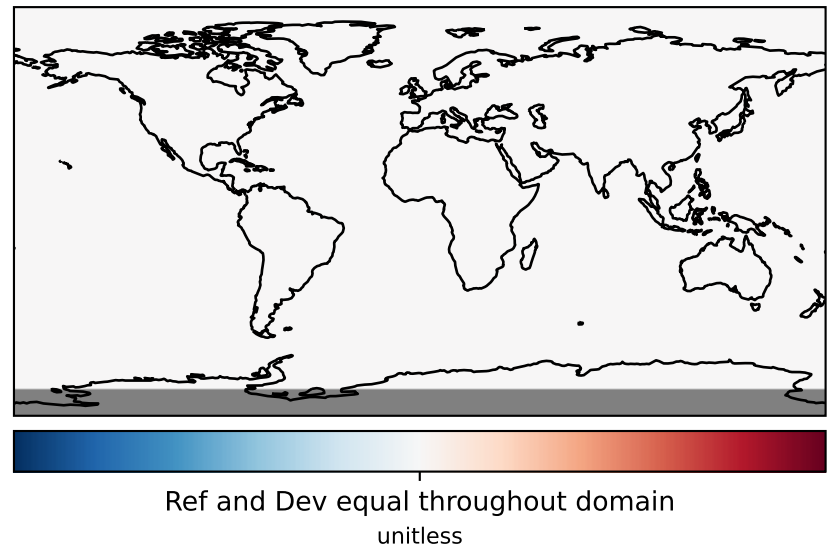gcc-4x5-1Mon-14.6.3 (Dev)
4.0x5.0

Difference
Dev - Ref, Dynamic Range

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

Zero throughout domain
s-1
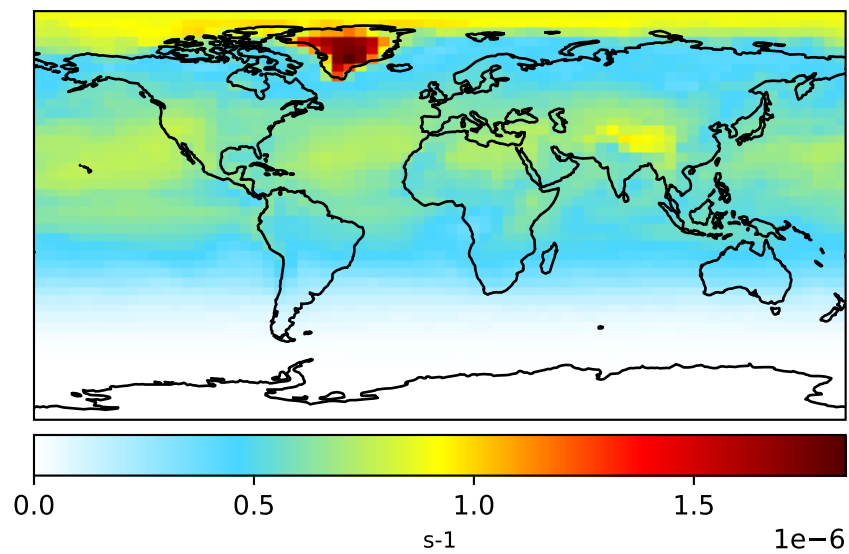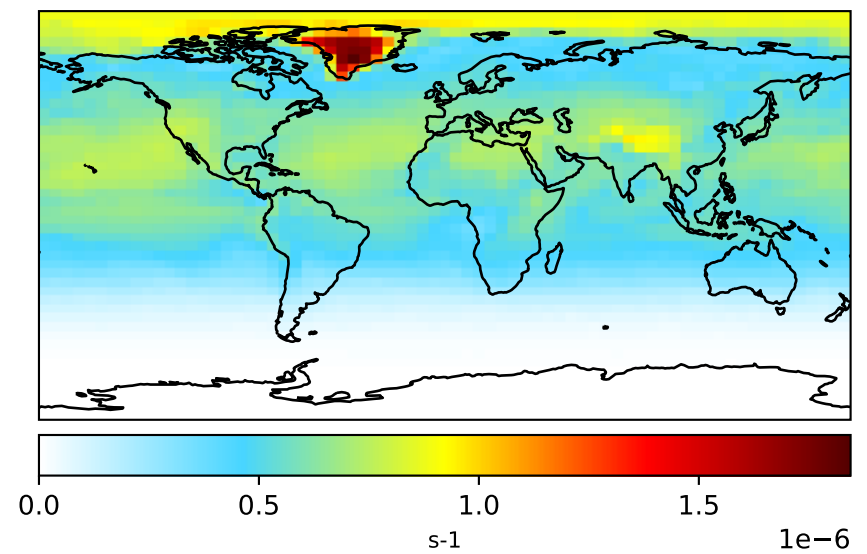
Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

Ref and Dev equal throughout domain
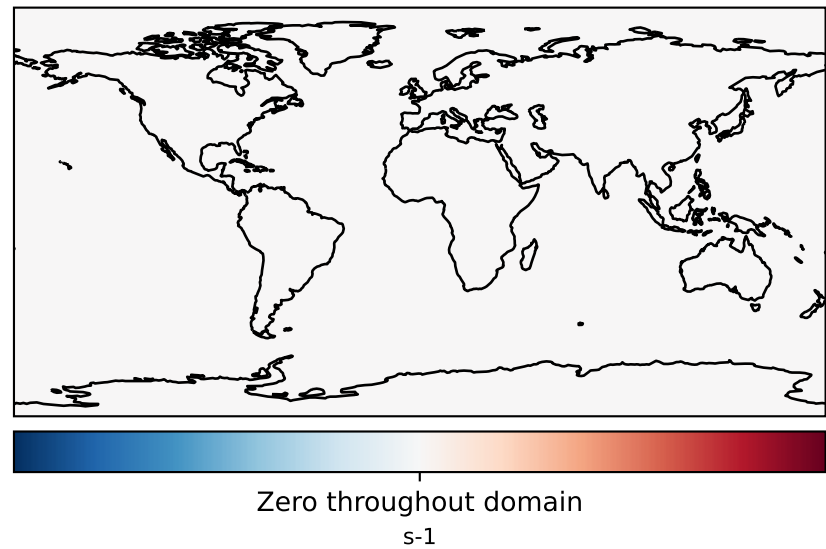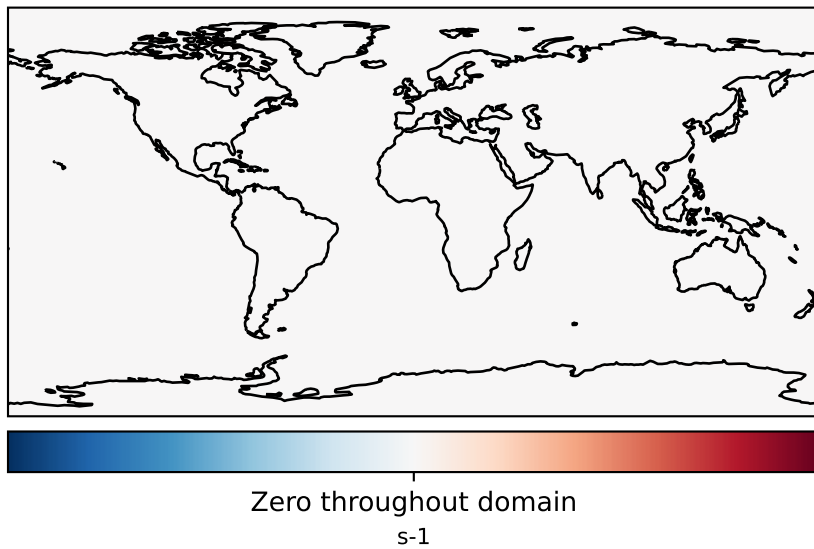unitless

Jval_INPB

gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0

gcc-4x5-1Mon-14.6.3 (Dev)
4.0x5.0

s-1

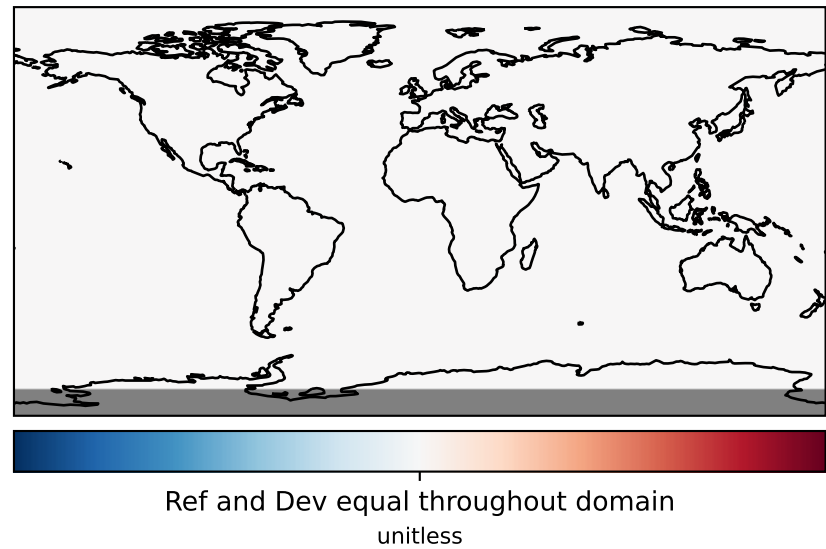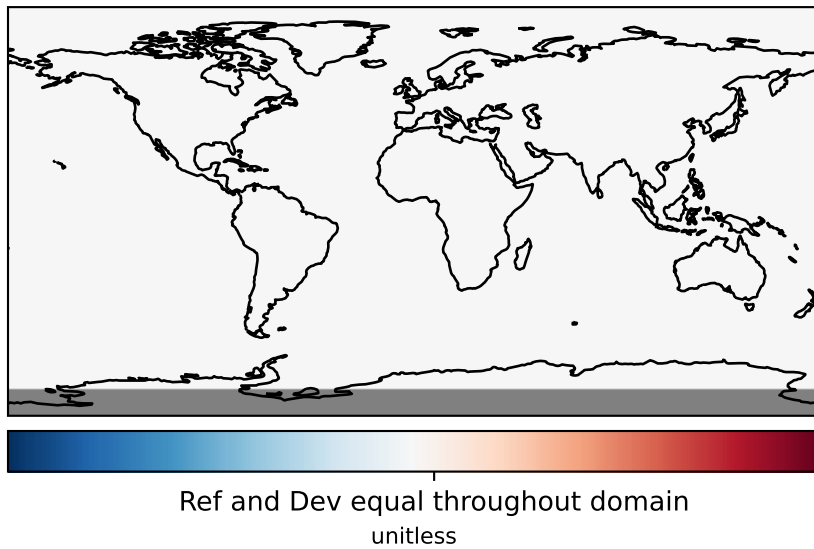s-1

Difference
Dev - Ref, Dynamic Range

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

Zero throughout domain
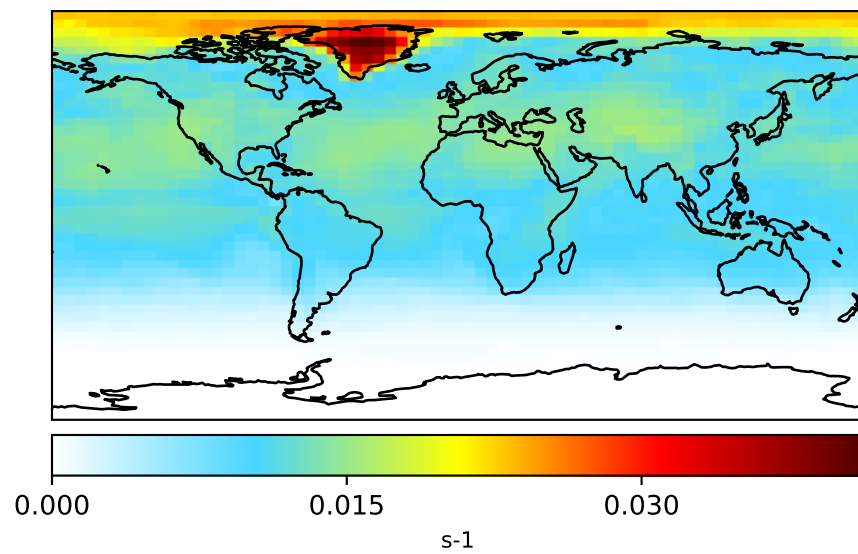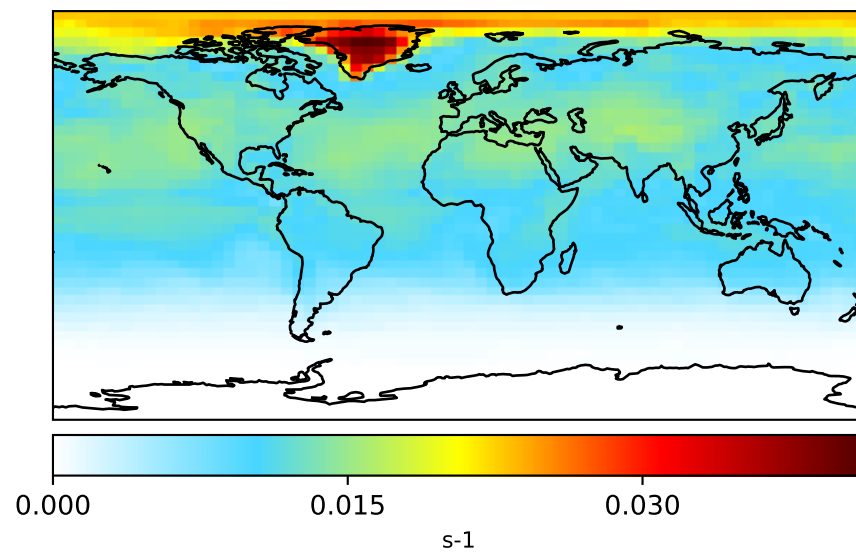s-1

Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

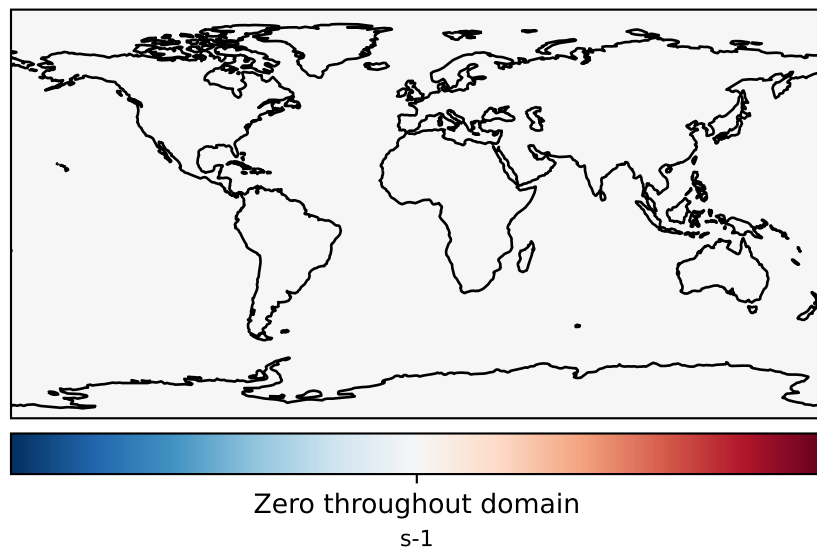Ref and Dev equal throughout domain
unitless

Jval_INPD

gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0
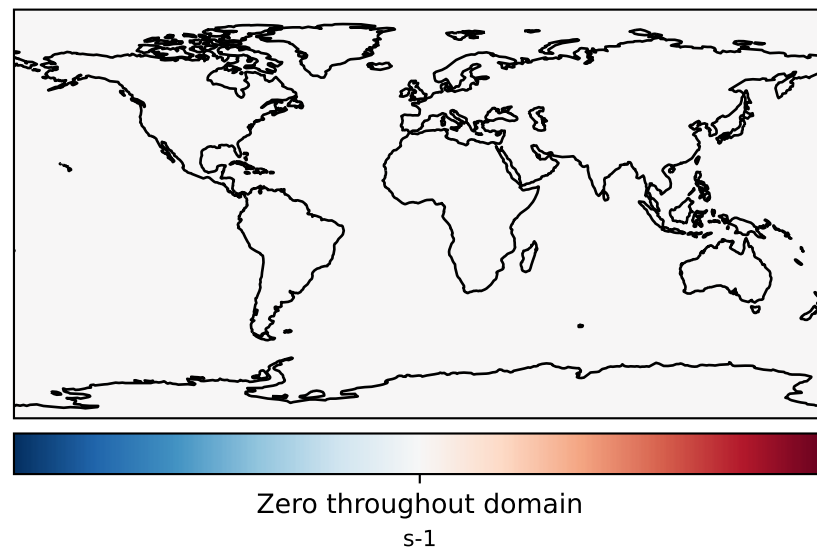
gcc-4x5-1Mon-14.6.3 (Dev)
4.0x5.0

s-1

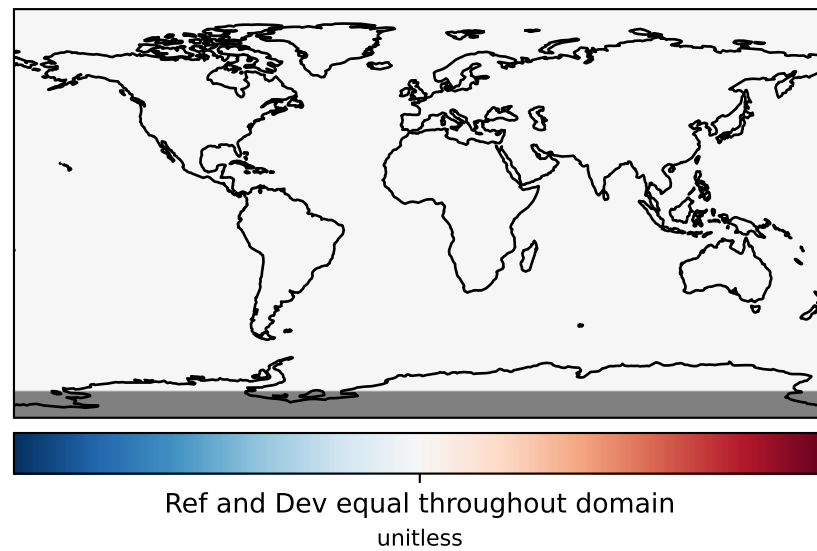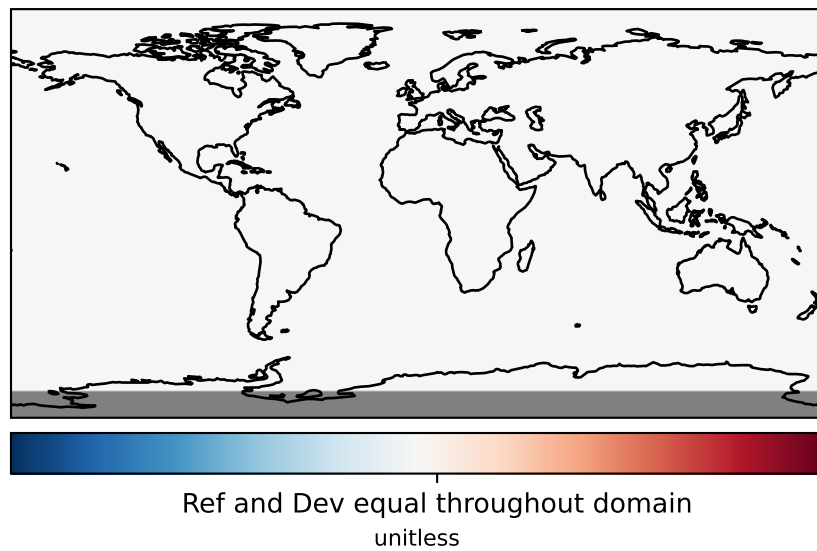1e−6

Difference
Dev - Ref, Dynamic Range

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

Zero throughout domain
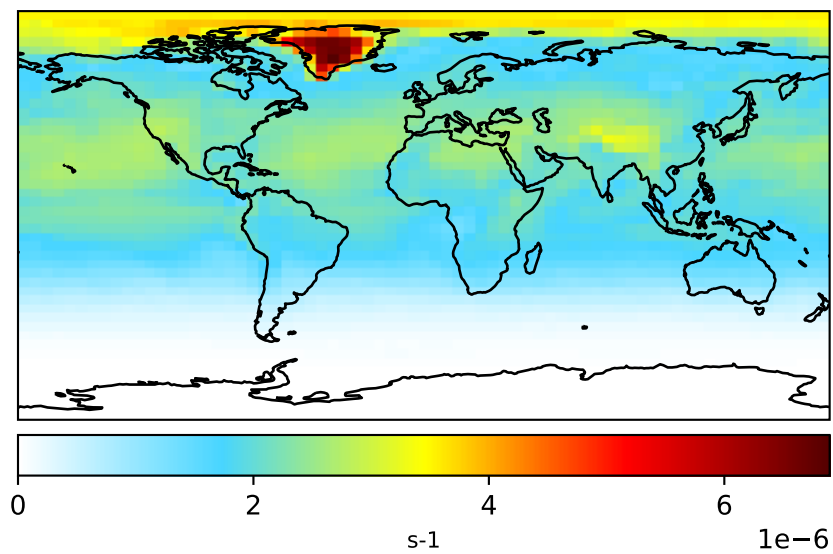s-1

Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

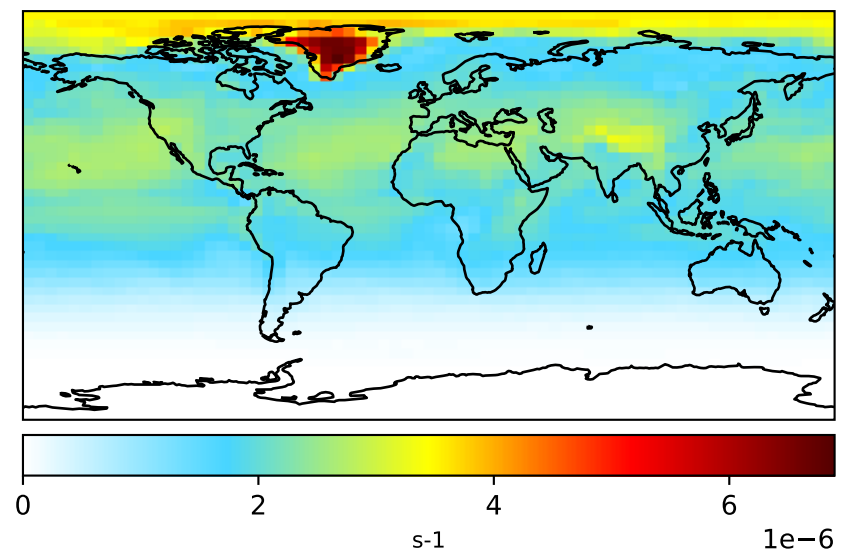Ref and Dev equal throughout domain
unitless

Jval_IO

Jval_IONO
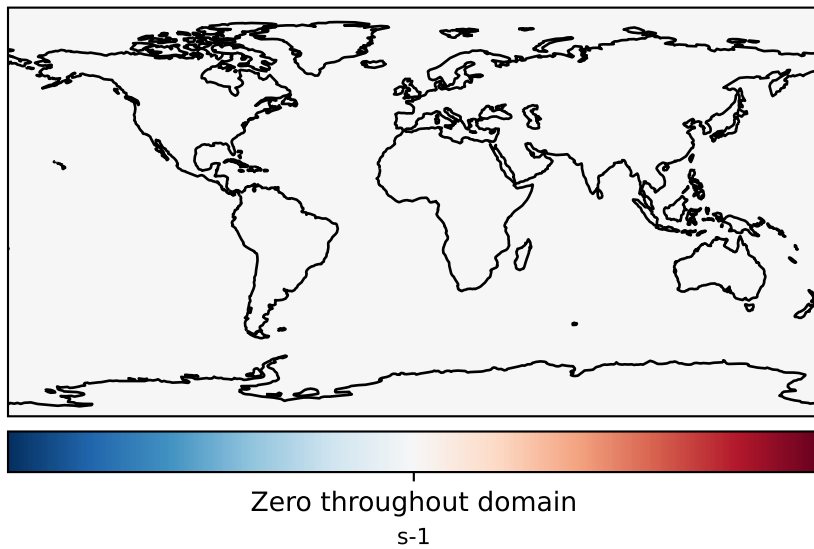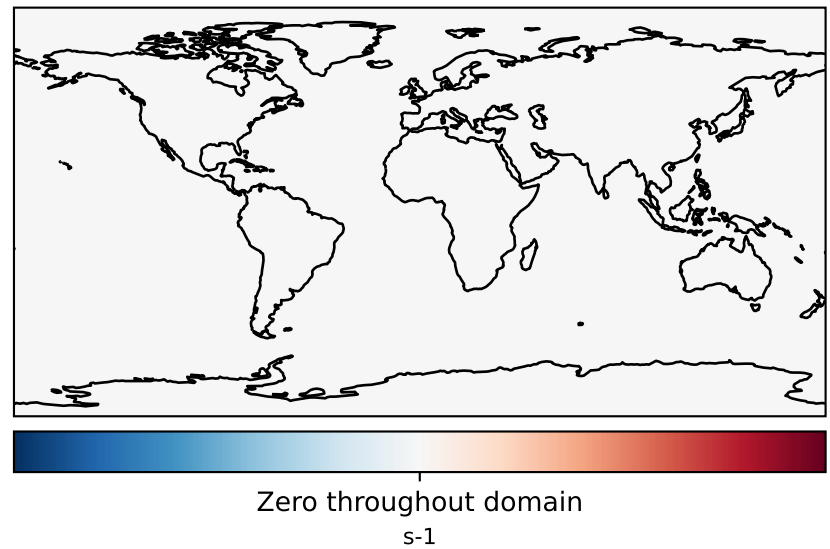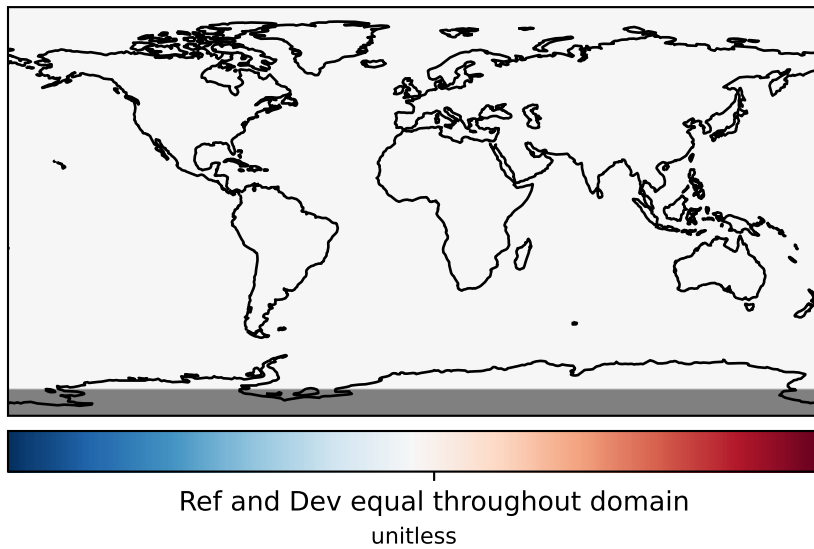

gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0

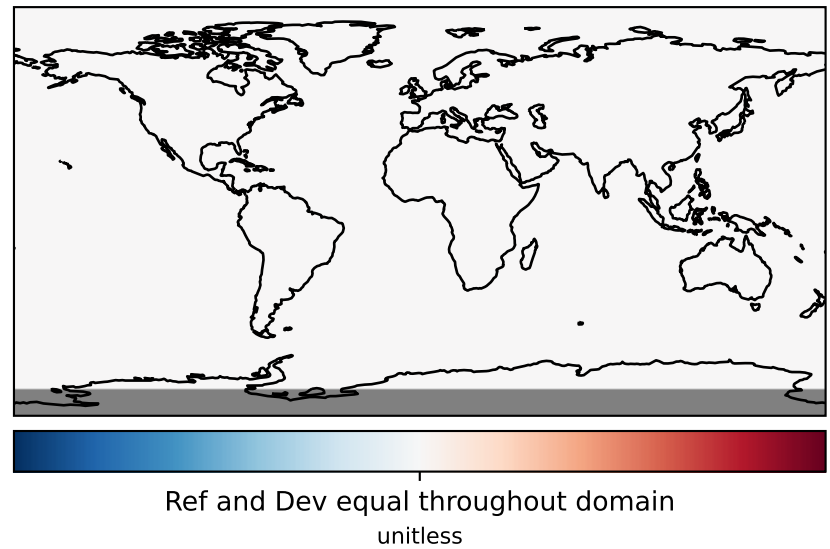gcc-4x5-1Mon-14.6.3 (Dev)
4.0x5.0

Difference
Dev - Ref, Dynamic Range

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

Zero throughout domain
s-1
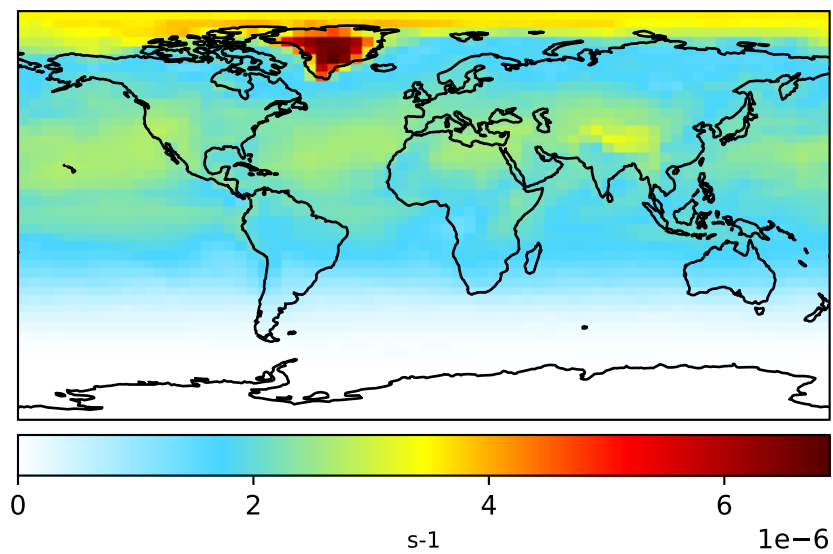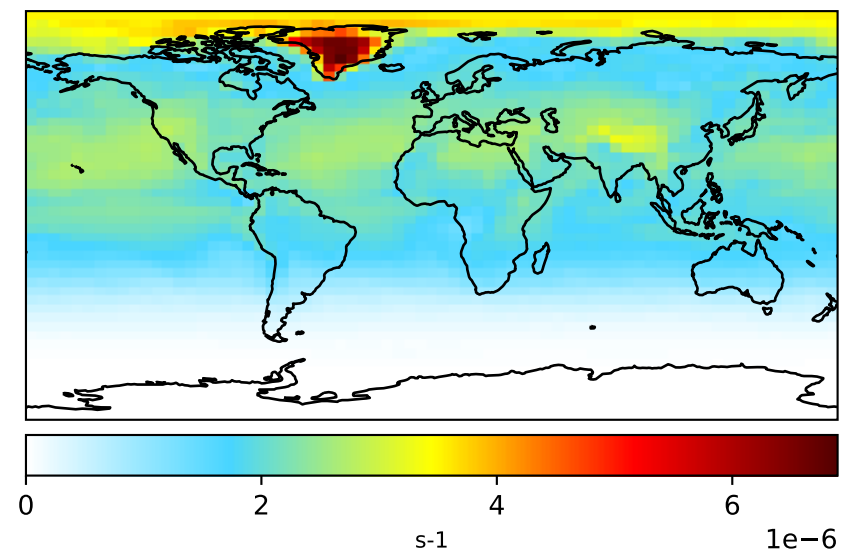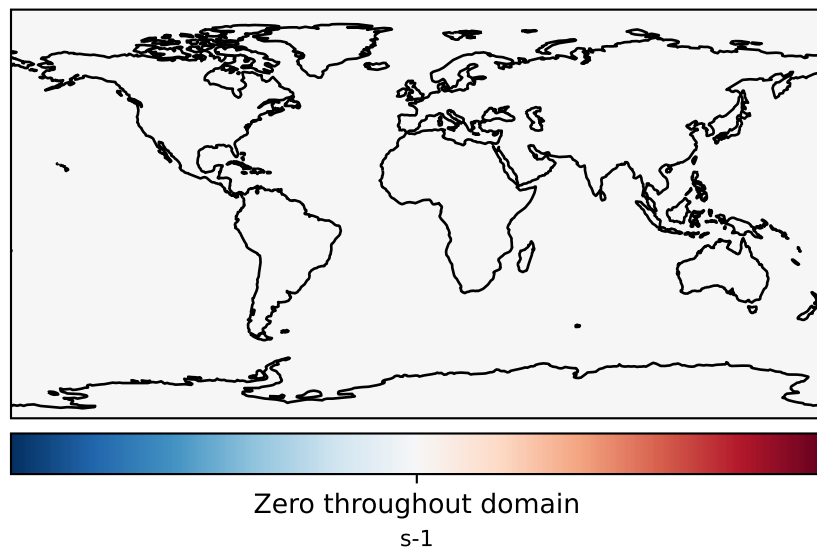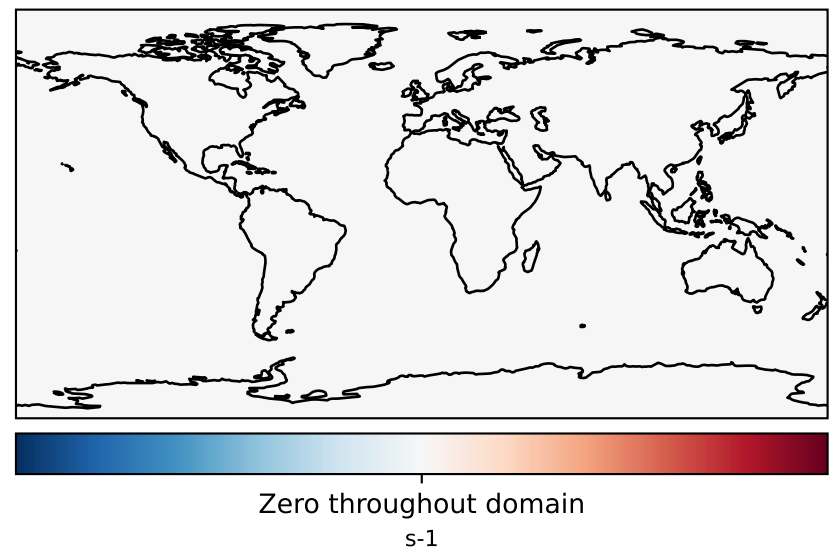
Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

Ref and Dev equal throughout domain
unitless

Jval_IONO2

Jval_IPRNO3

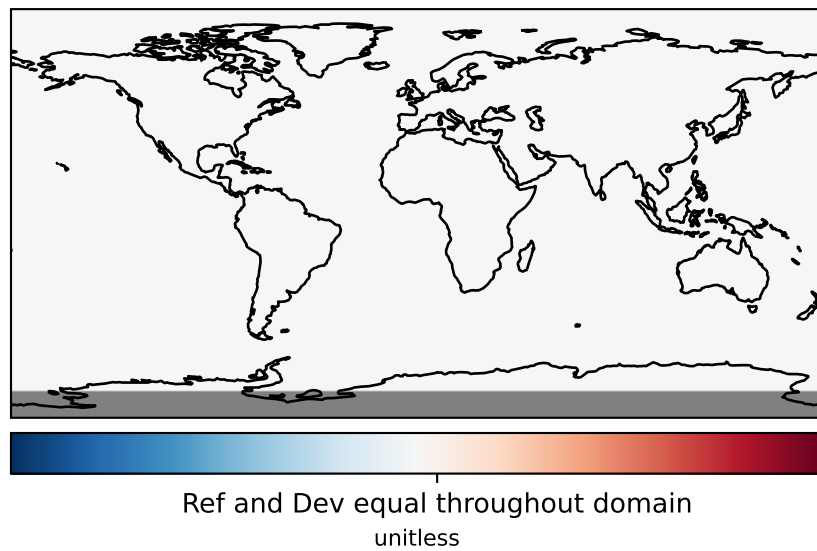gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0

gcc-4x5-1Mon-14.6.3 (Dev)
4.0x5.0

s-1

s-1

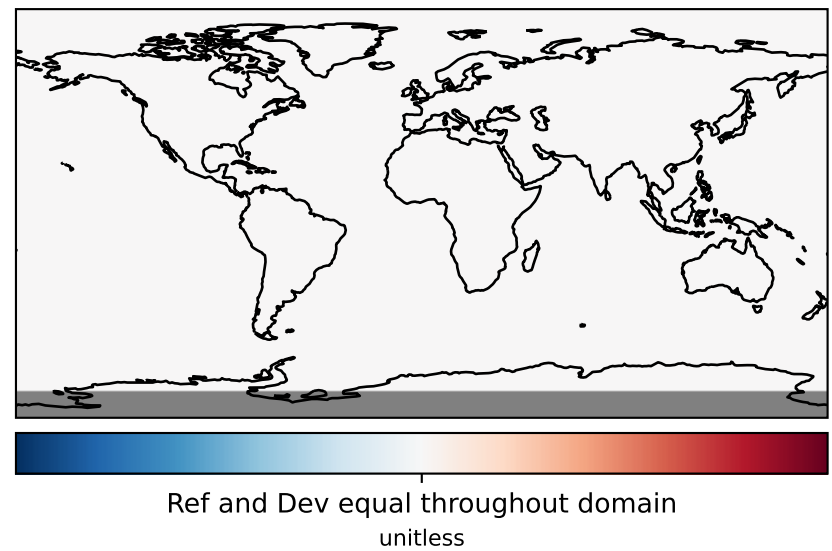Difference
Dev - Ref, Dynamic Range

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

Zero throughout domain
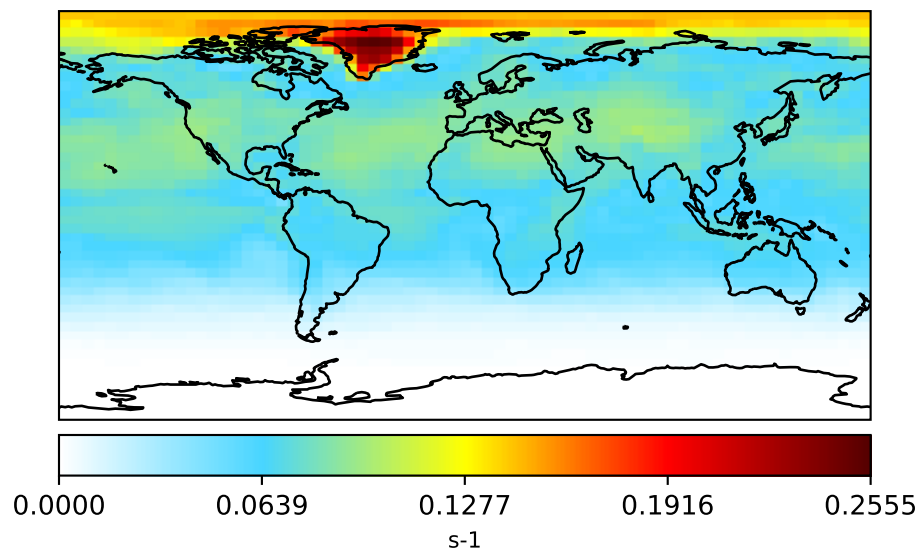s-1

Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

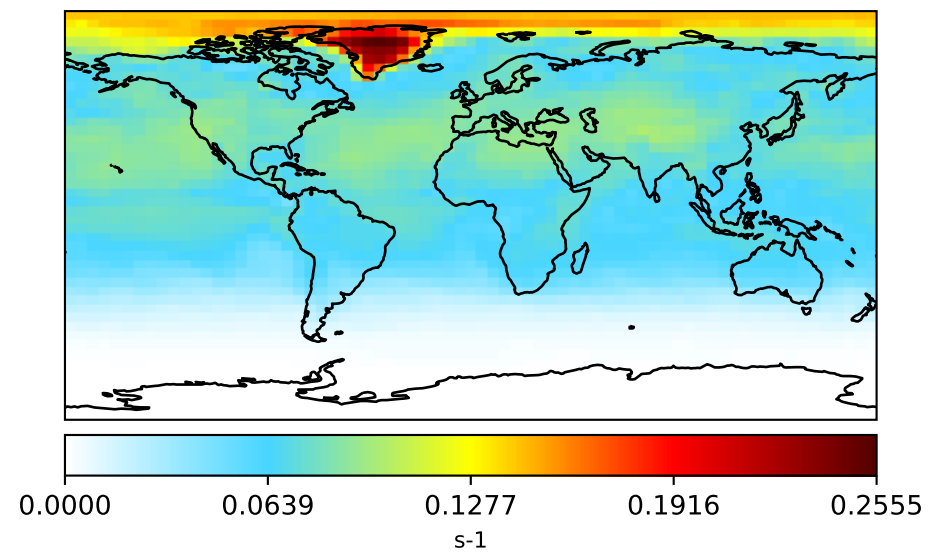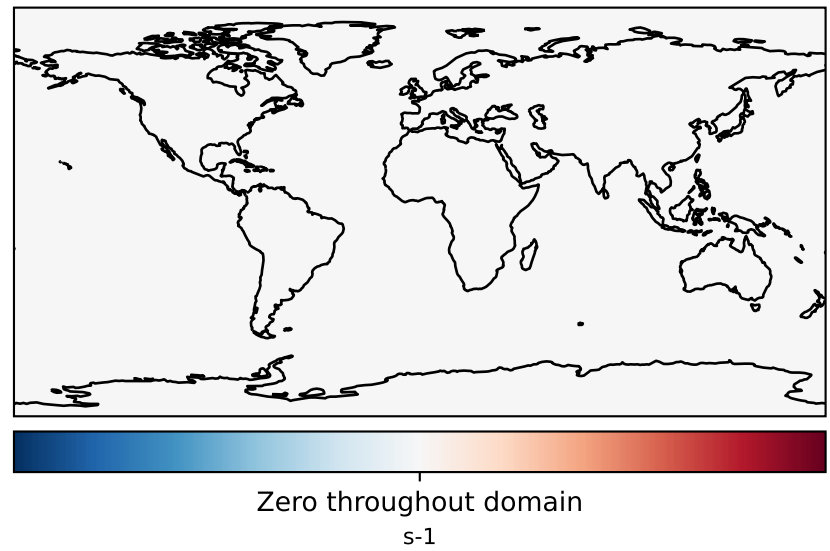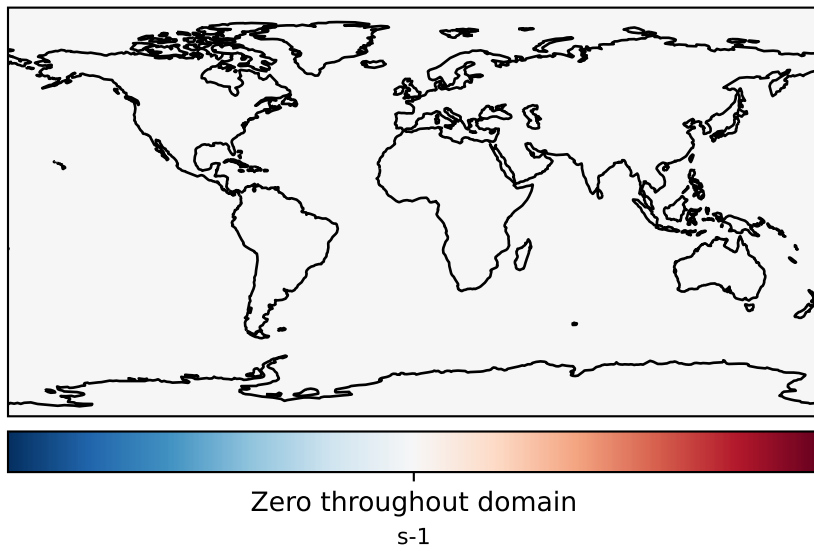Ref and Dev equal throughout domain
unitless

Jval_ITCN

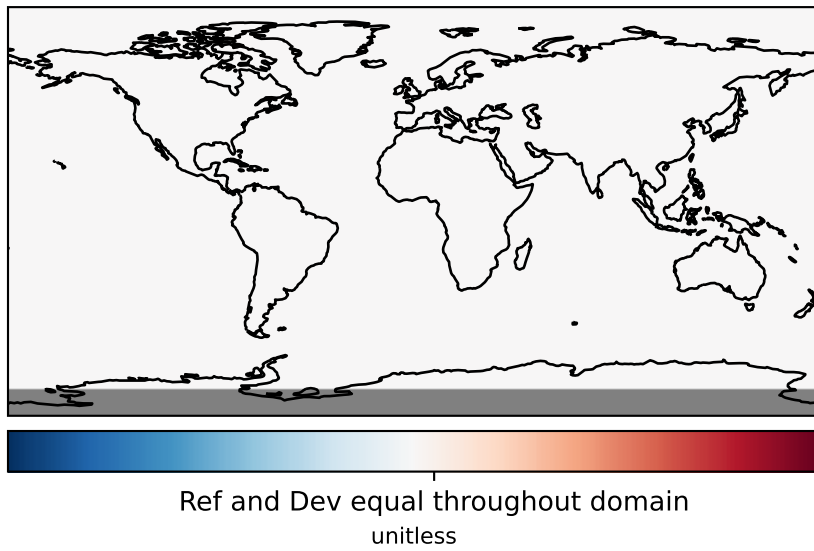gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0

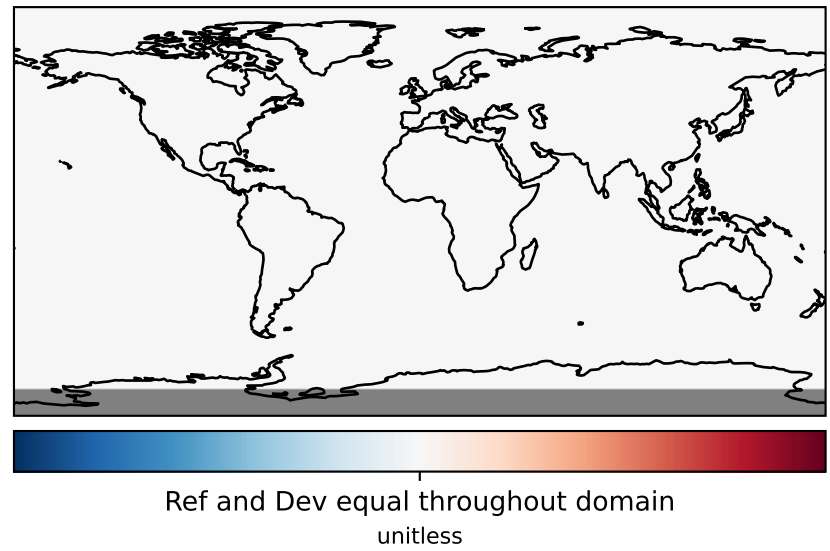gcc-4x5-1Mon-14.6.3 (Dev)
4.0x5.0

Difference
Dev - Ref, Dynamic Range

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

Zero throughout domain
s-1
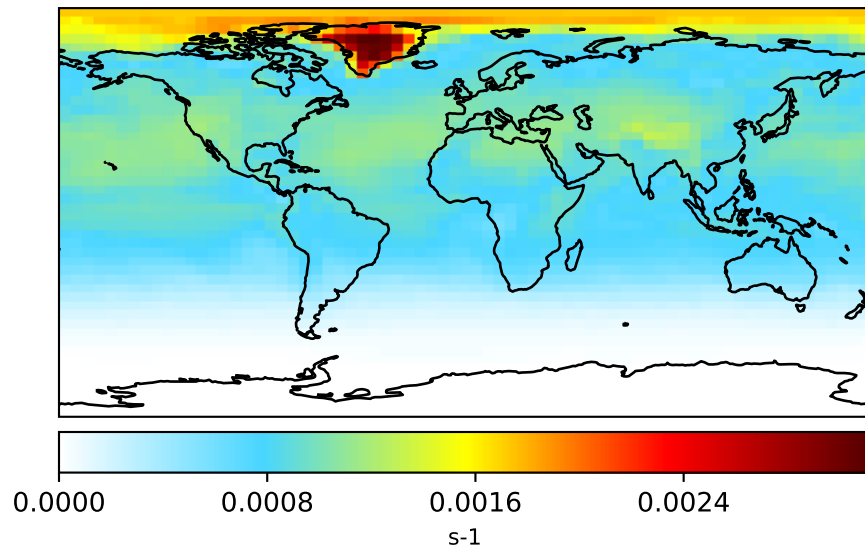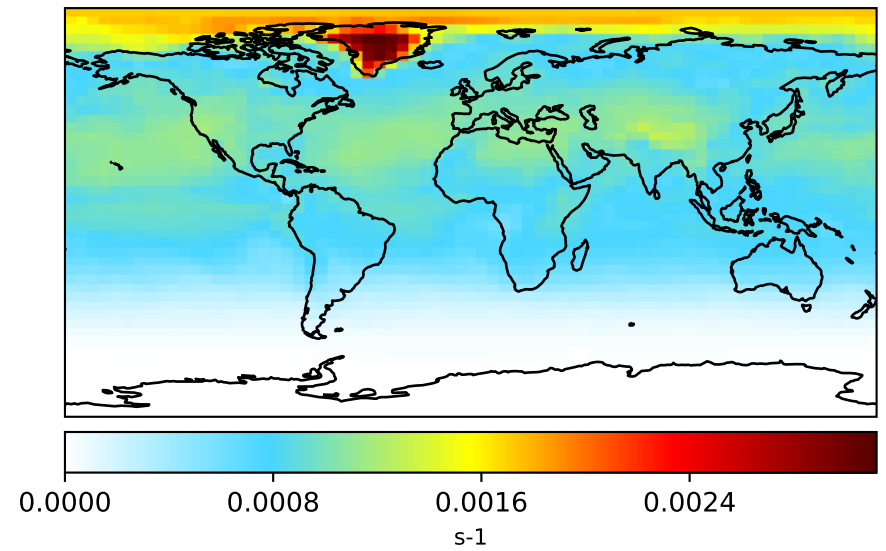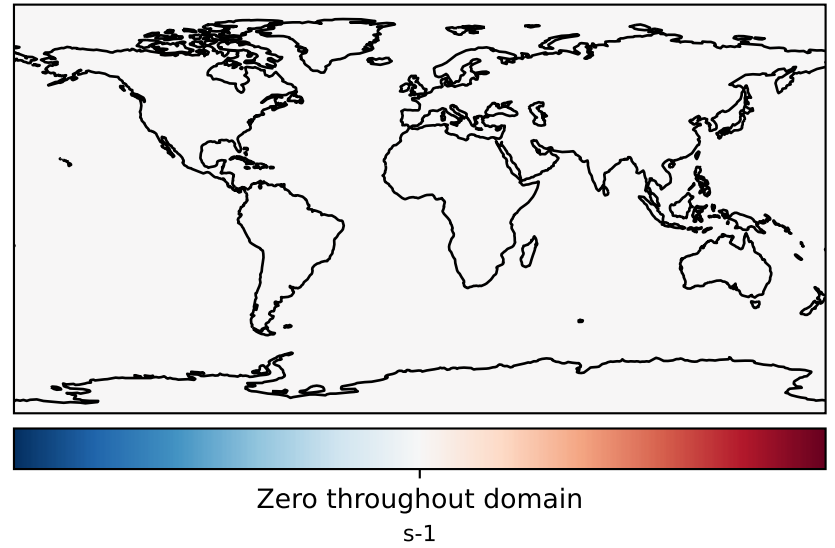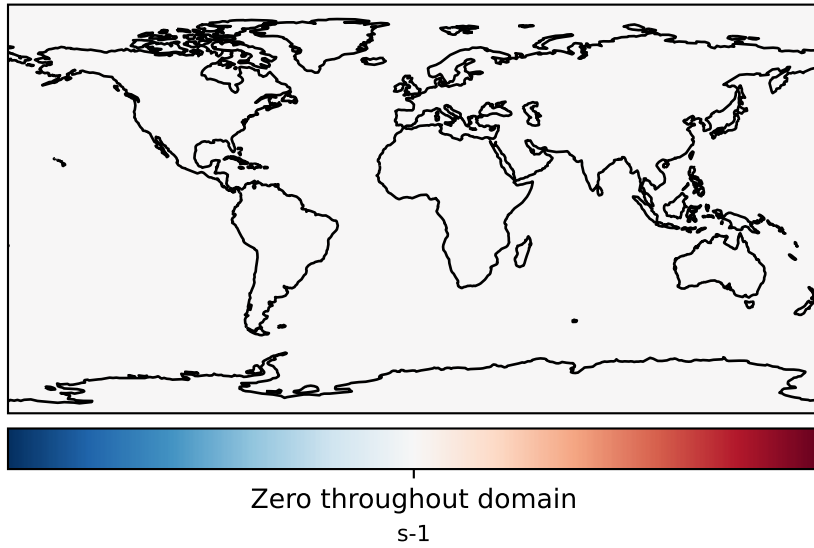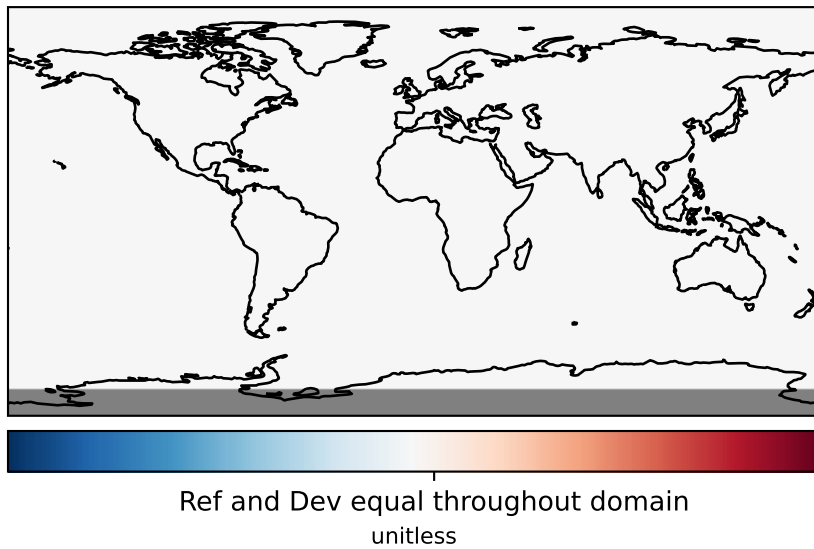
Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

Ref and Dev equal throughout domain
unitless

Jval_ITHN

gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0

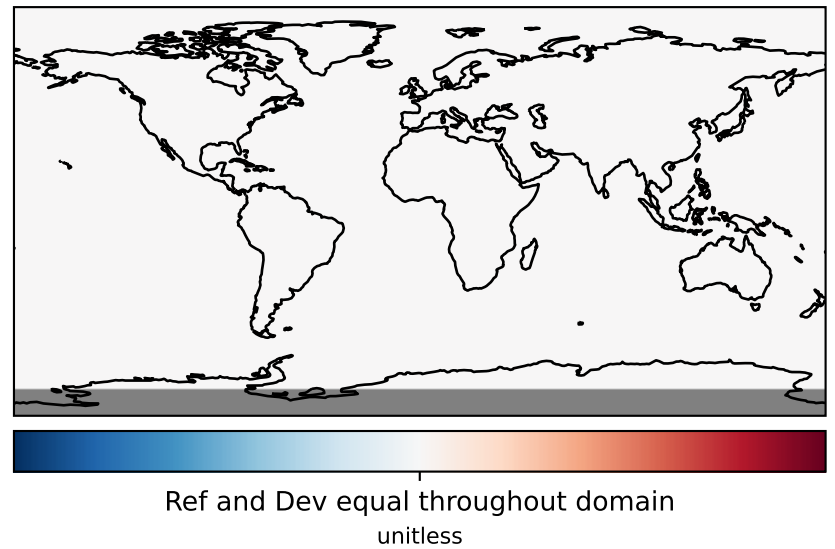gcc-4x5-1Mon-14.6.3 (Dev)
4.0x5.0

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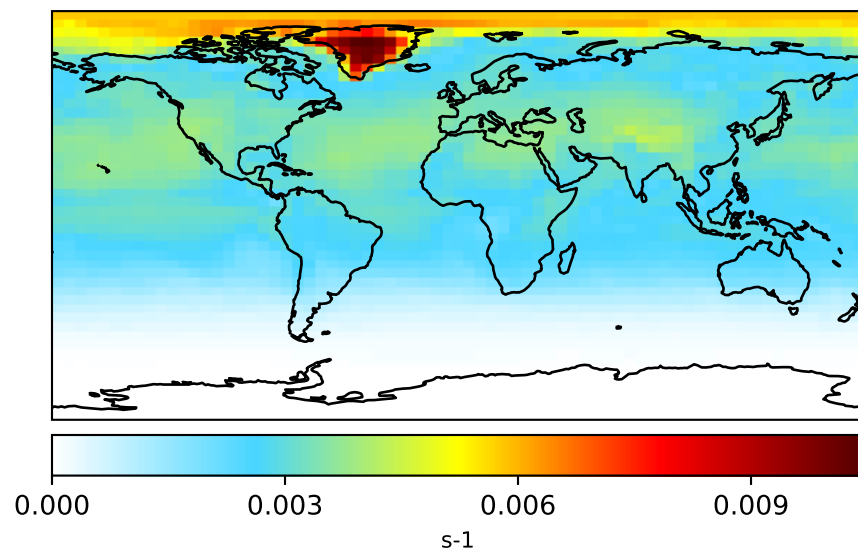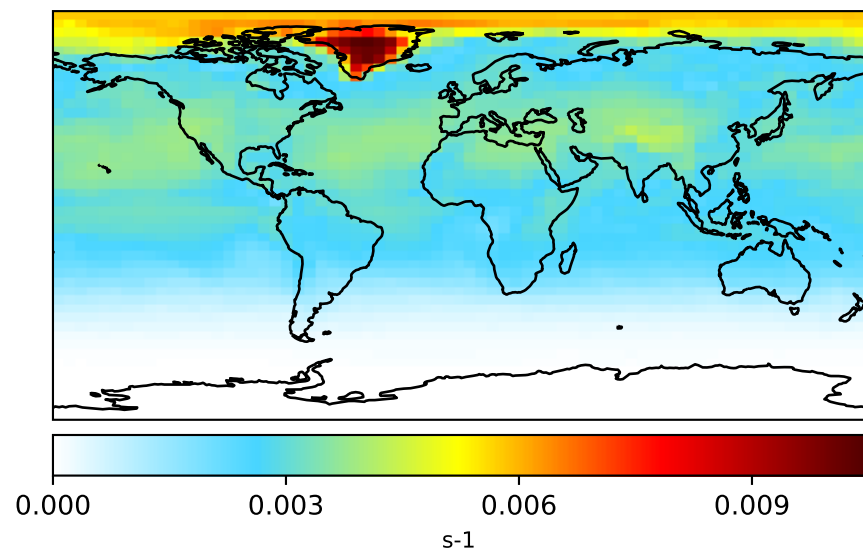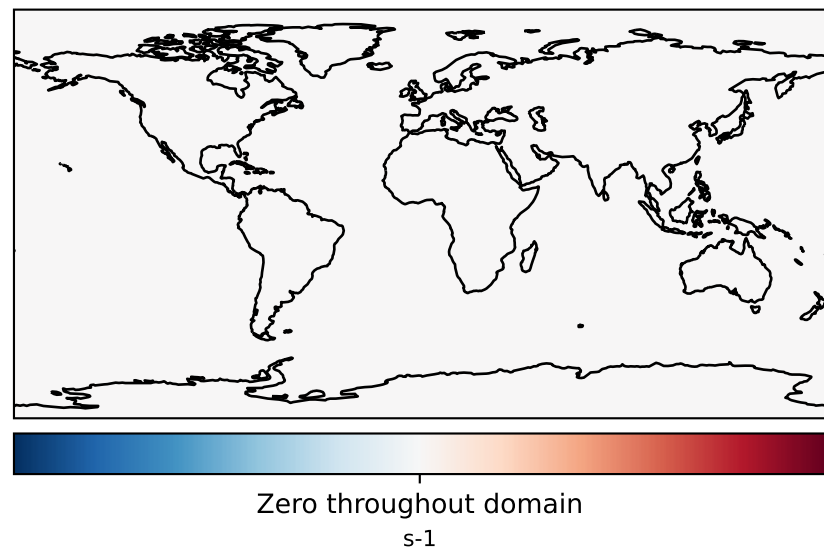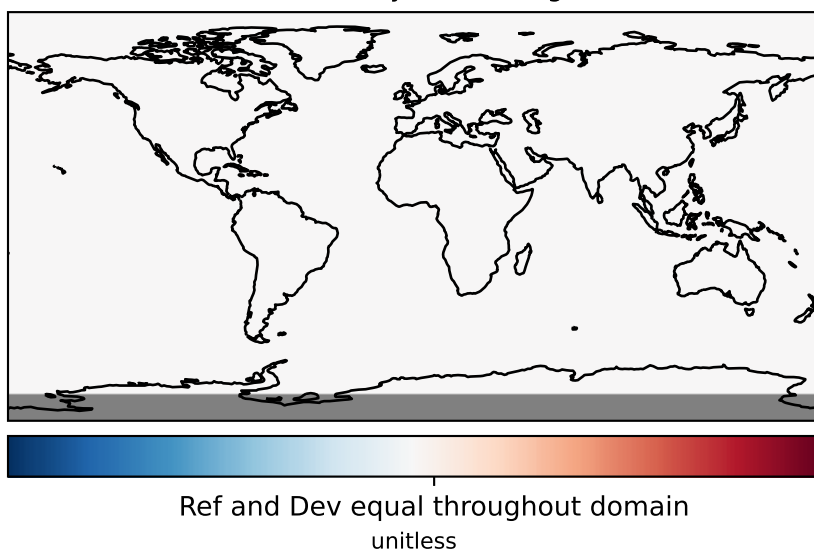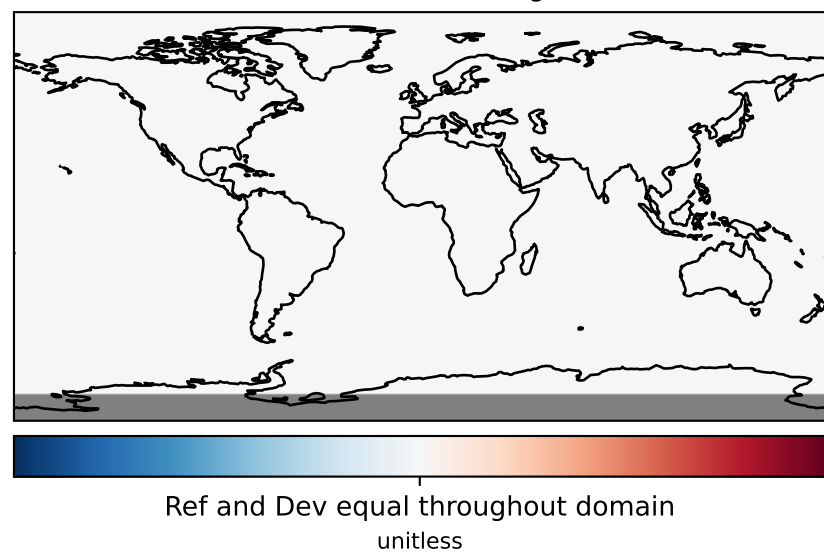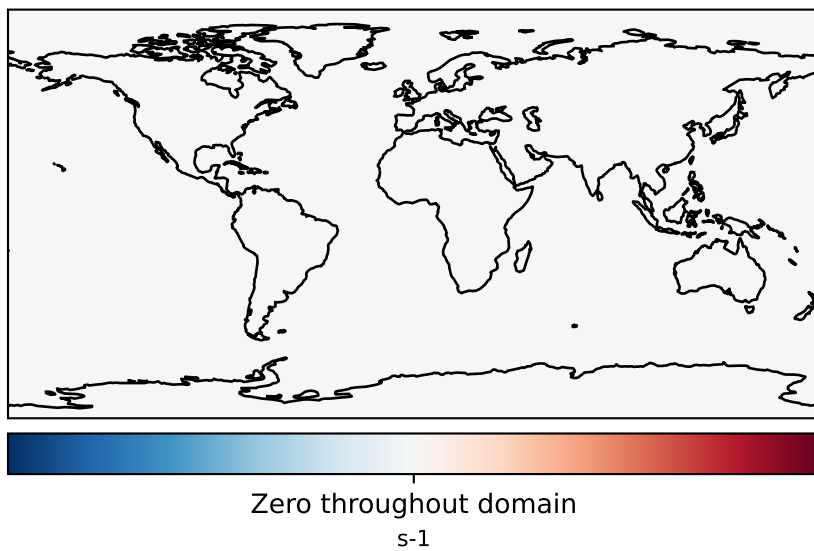
Difference
Dev - Ref, Restricted Range [5%,95%]

Zero throughout domain
s-1

Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

Ref and Dev equal throughout domain
unitless

Jval_LIMAL

gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0

gcc-4x5-1Mon-14.6.3 (Dev)
4.0x5.0

s-1

s-1

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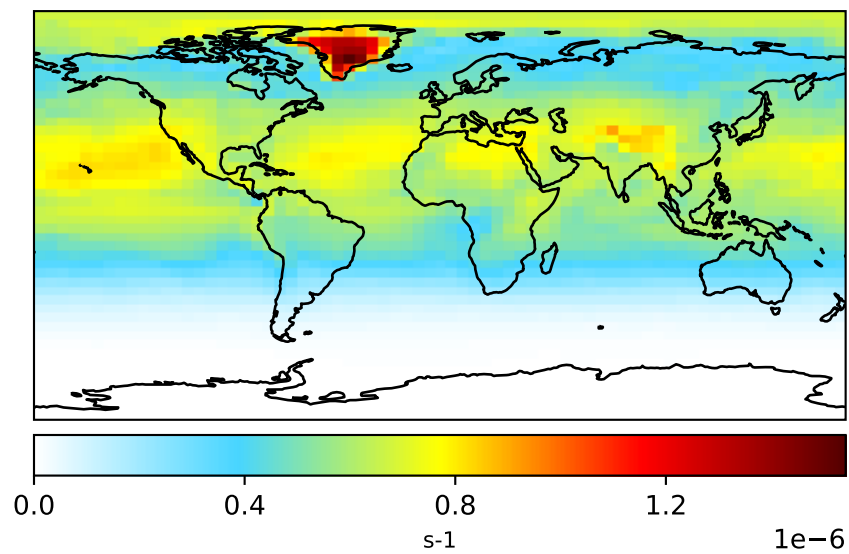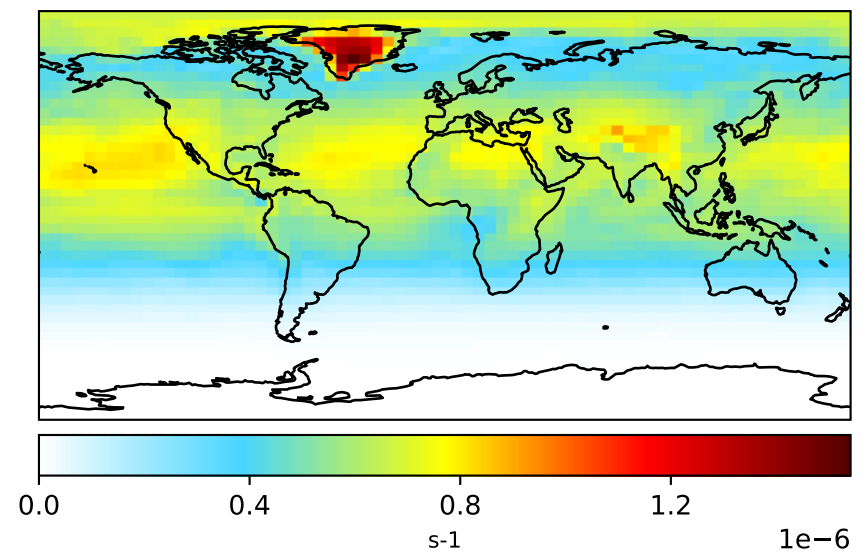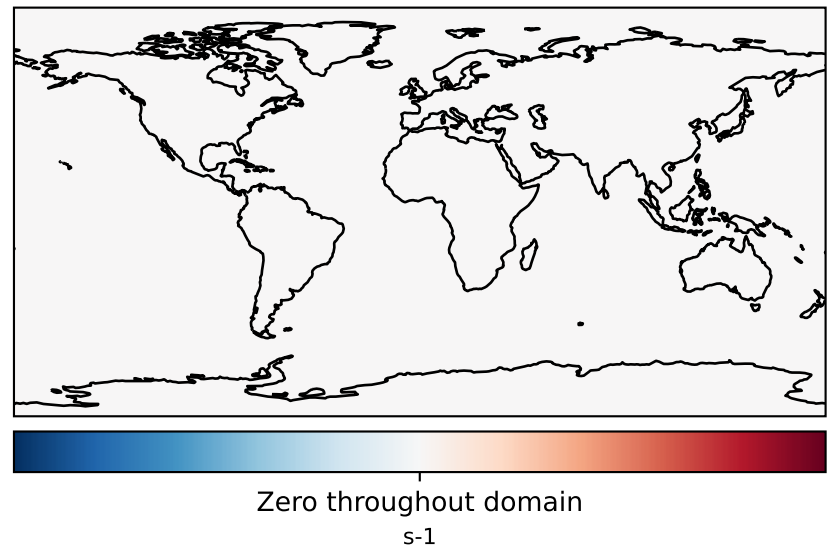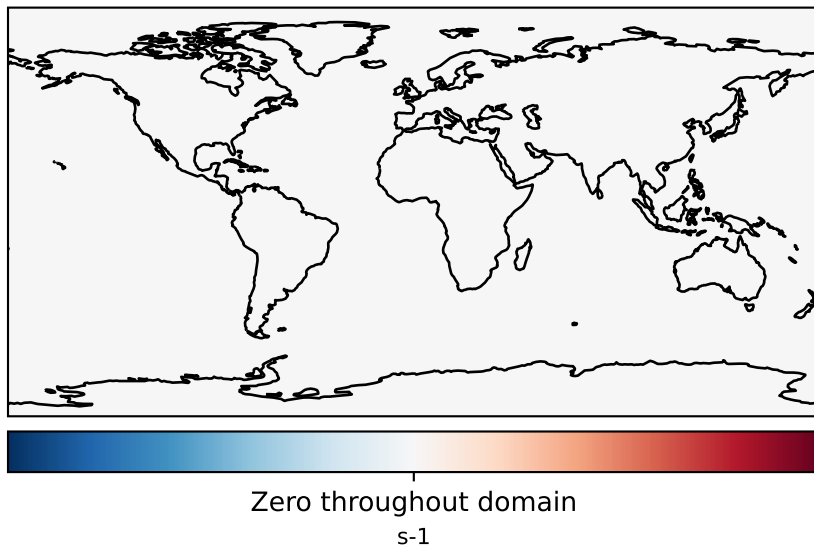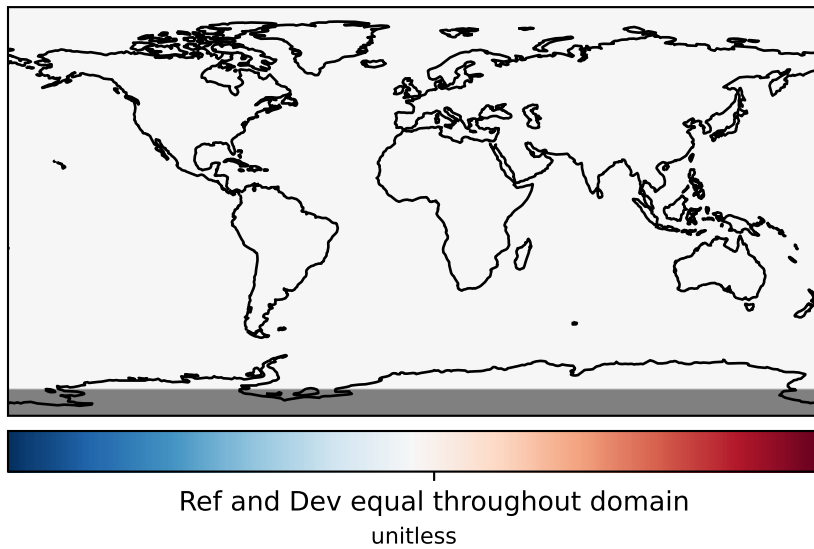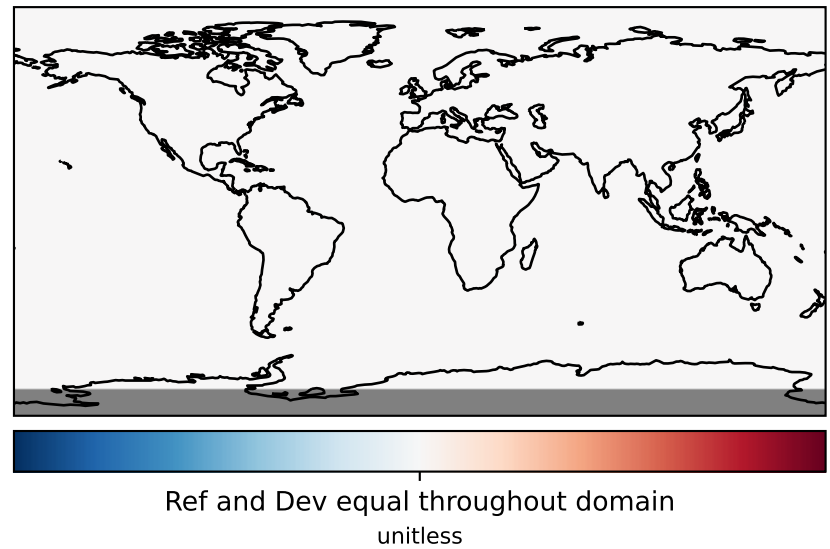
Difference
Dev - Ref, Restricted Range [5%,95%]

Zero throughout domain
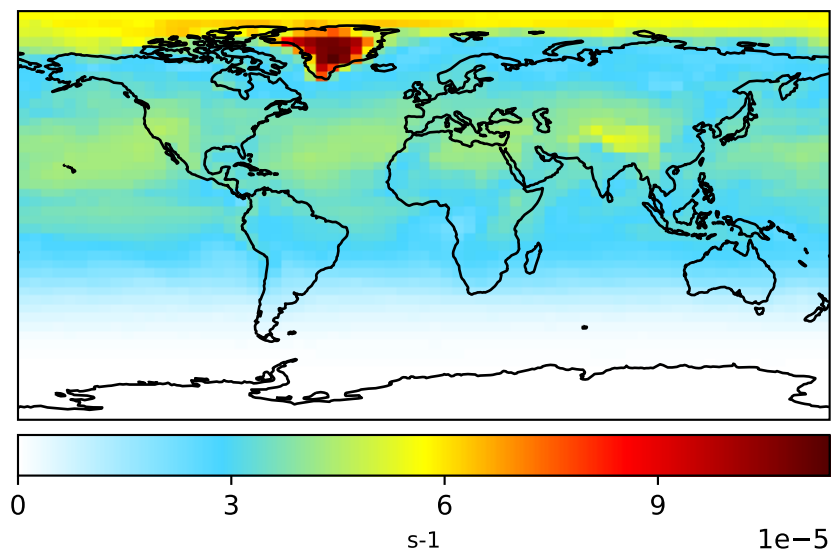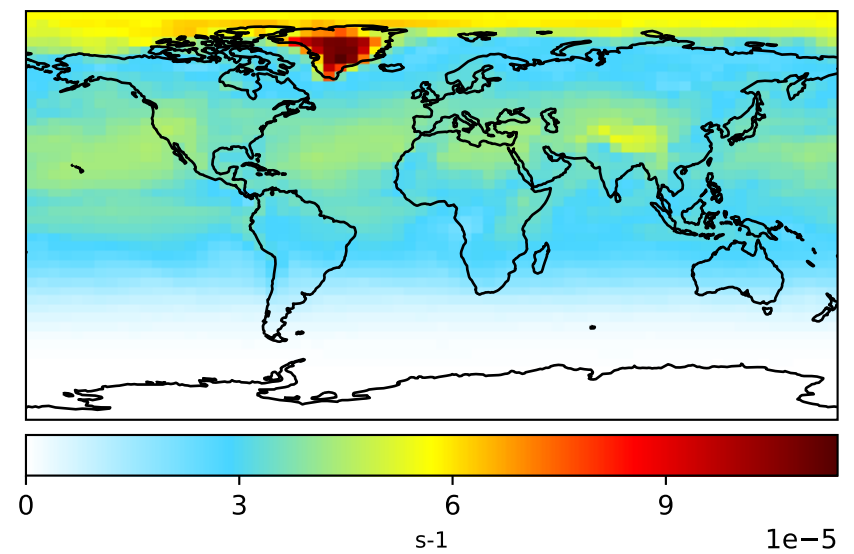s-1

Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

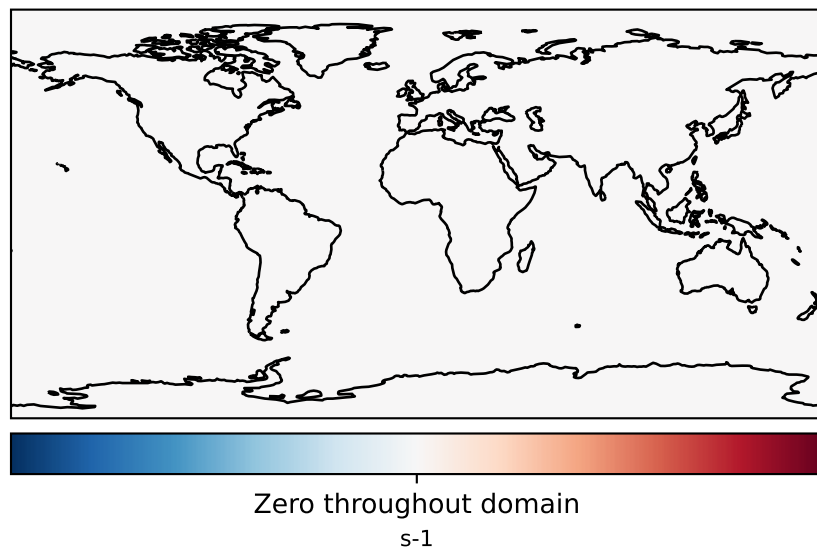Ref and Dev equal throughout domain
unitless

Jval_LIMO2H

gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0

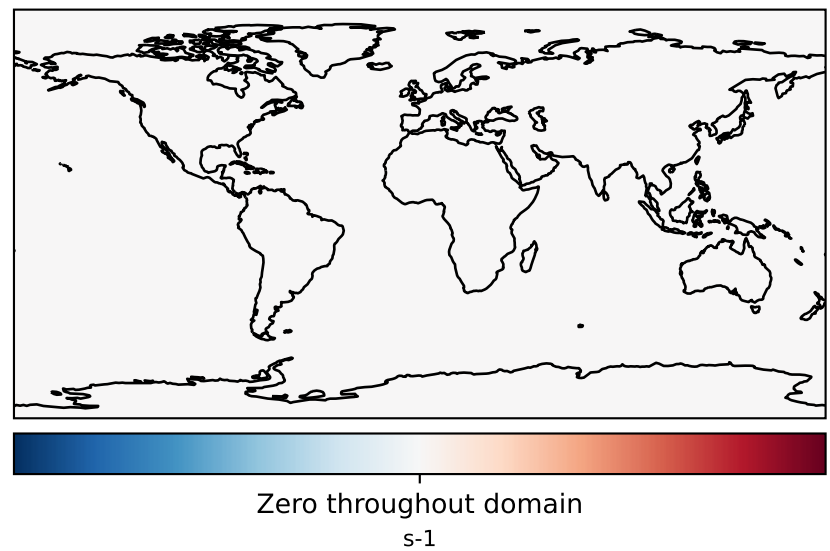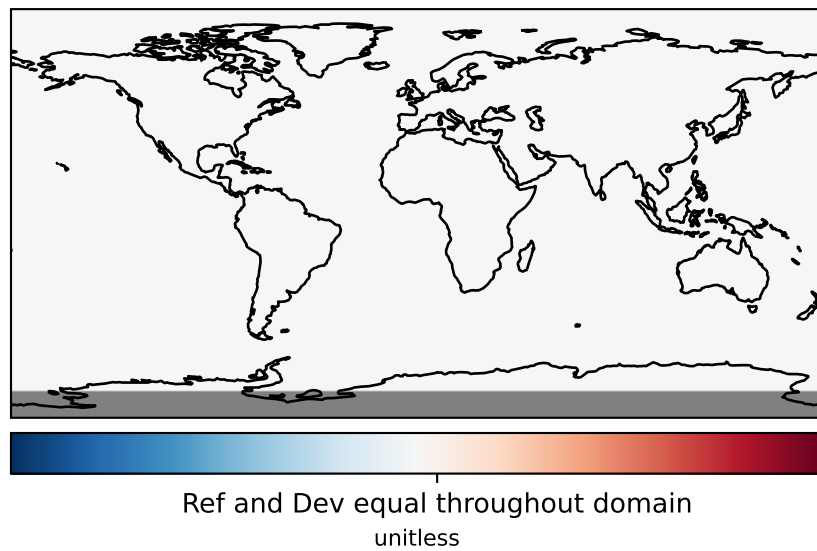gcc-4x5-1Mon-14.6.3 (Dev)
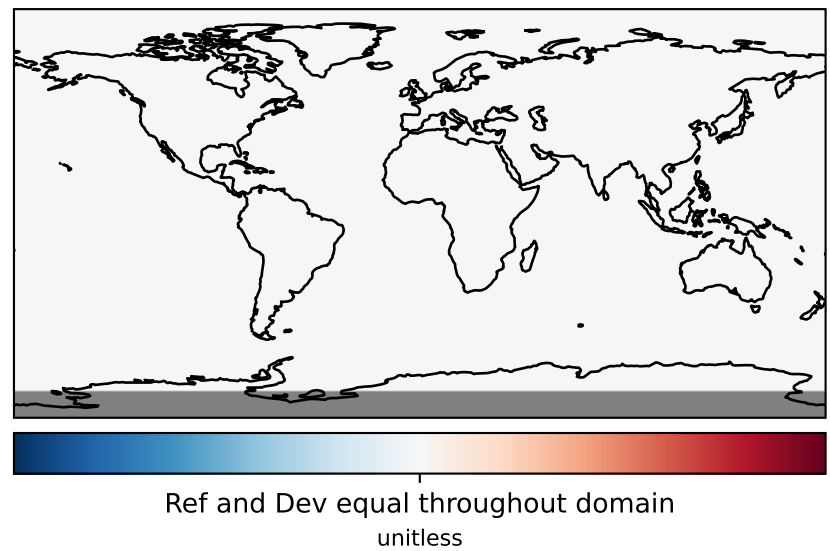4.0x5.0

s-1

s-1

Difference
Dev - Ref, Dynamic Range

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

Zero throughout domain
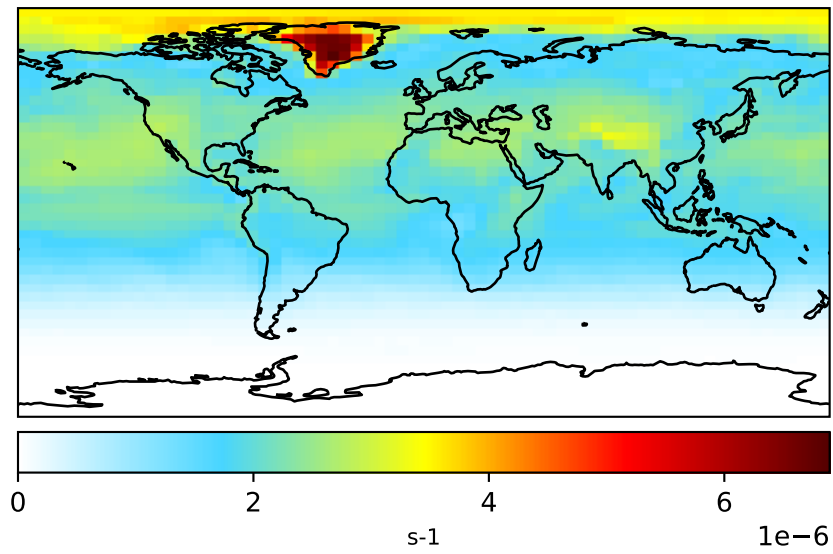s-1

Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

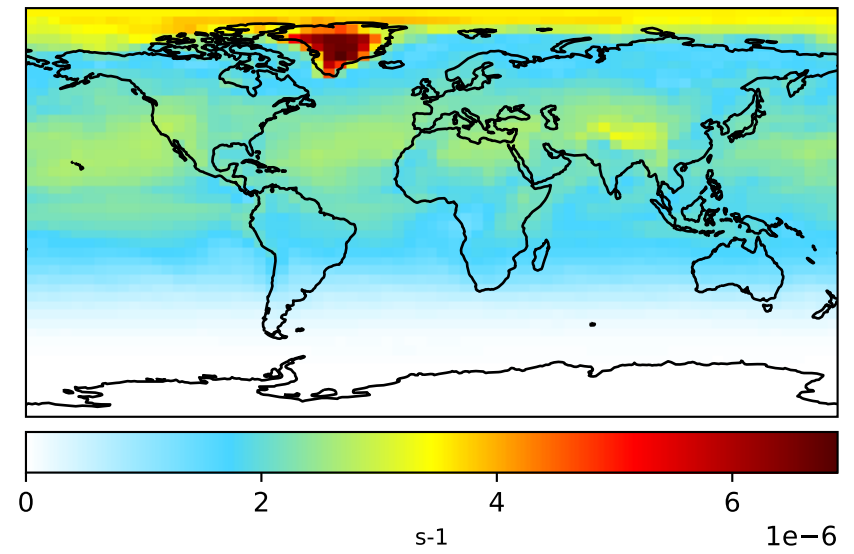Ref and Dev equal throughout domain
unitless

Jval_LIMO3H
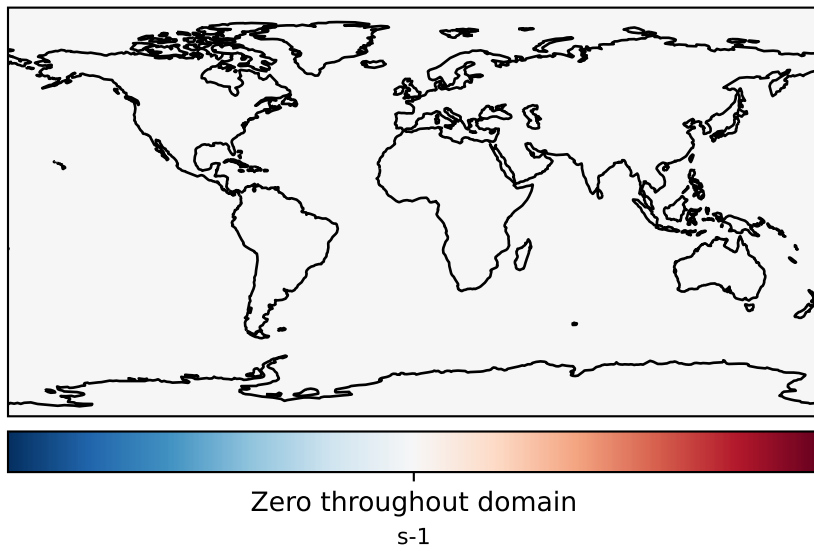

gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0

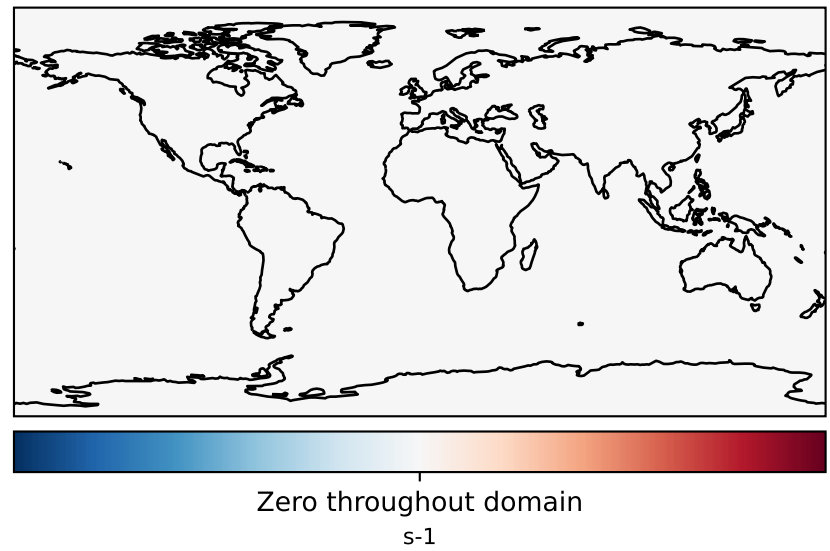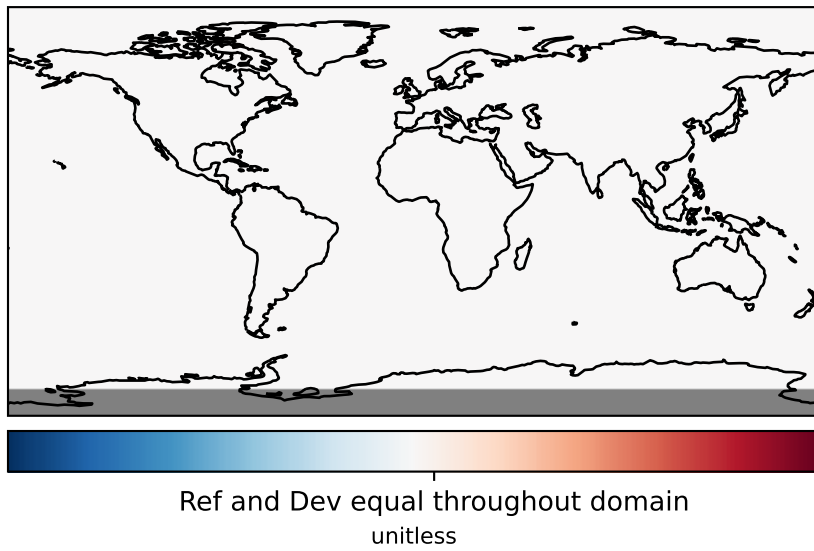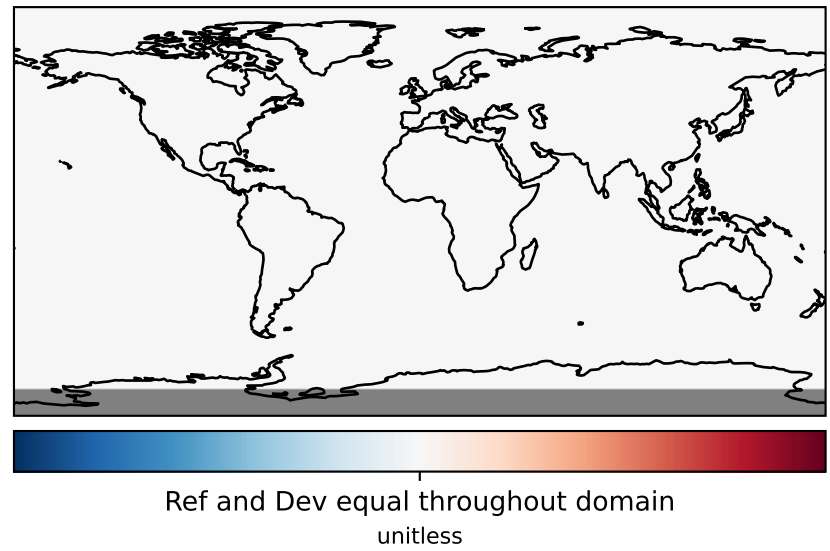gcc-4x5-1Mon-14.6.3 (Dev)
4.0x5.0

Difference
Dev - Ref, Dynamic Range

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

Zero throughout domain
s-1
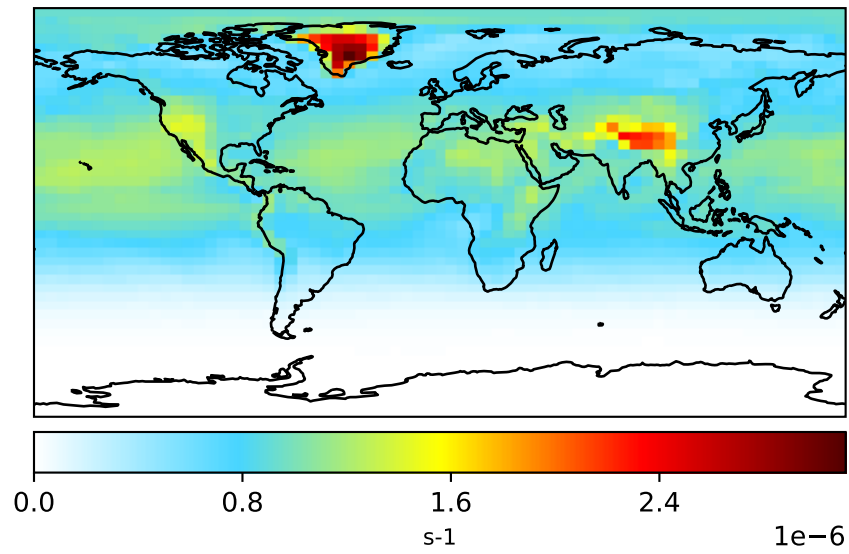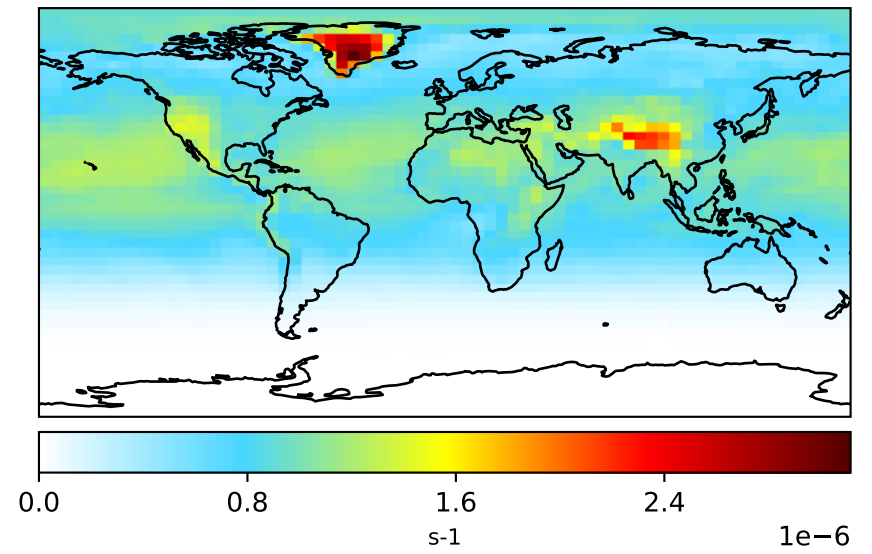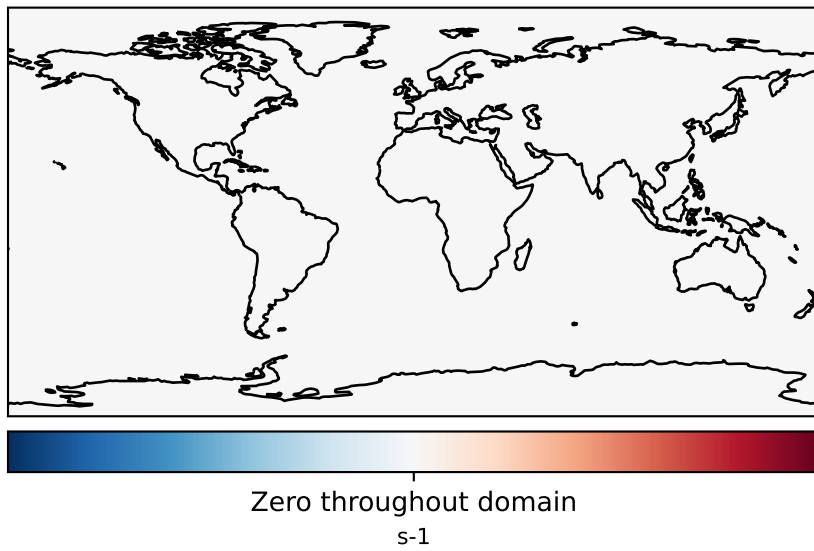
Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

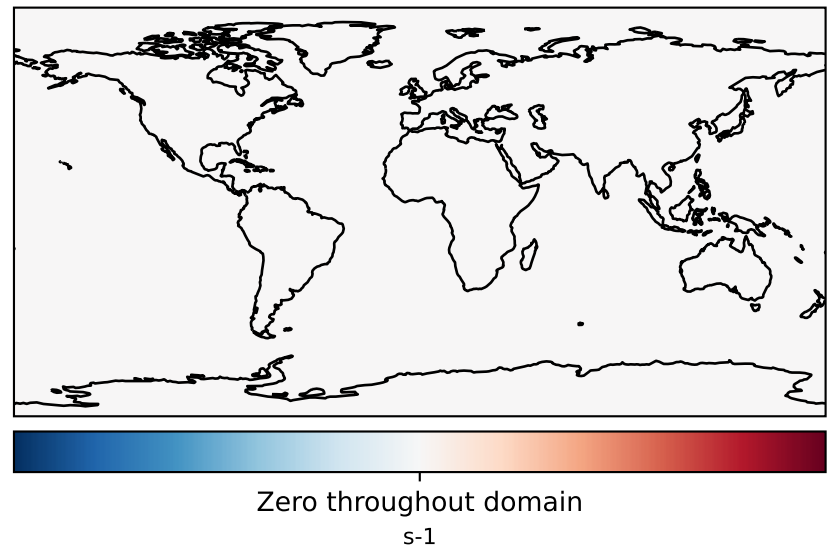Ref and Dev equal throughout domain
unitless

Jval_MACR

gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0

gcc-4x5-1Mon-14.6.3 (Dev)
4.0x5.0

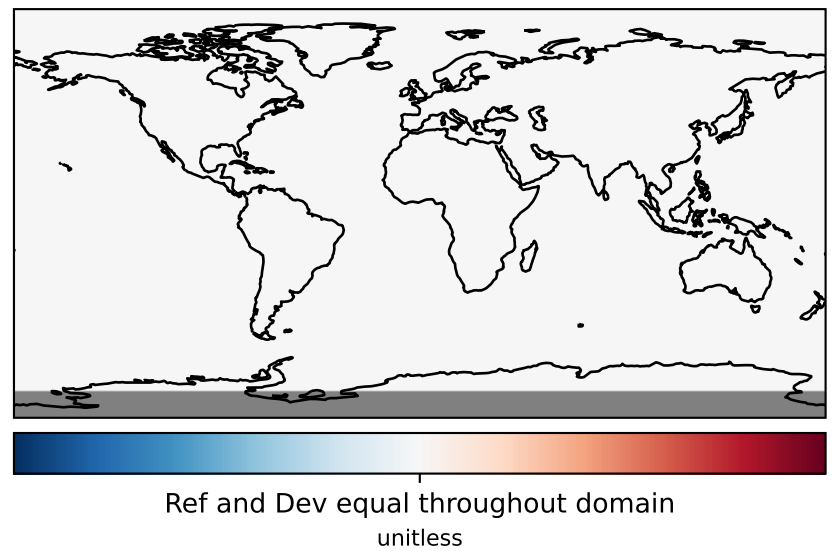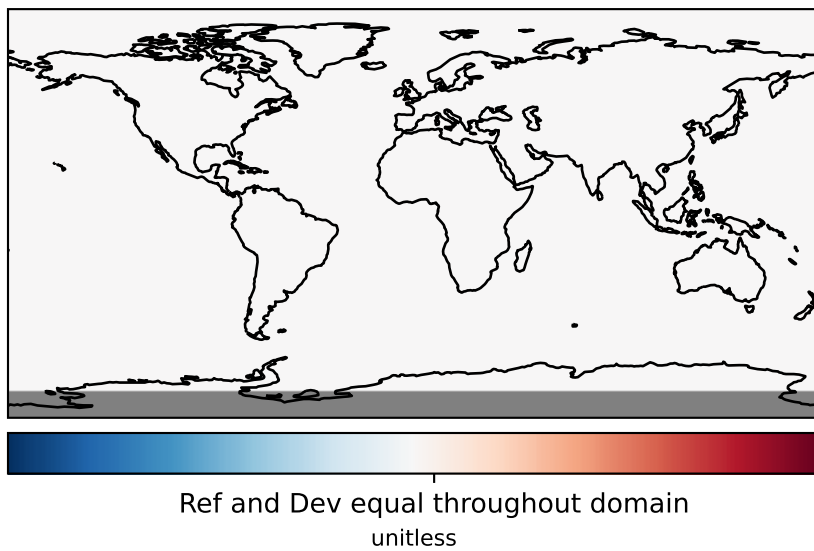Difference
Dev - Ref, Dynamic Range

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

Zero throughout domain
s-1
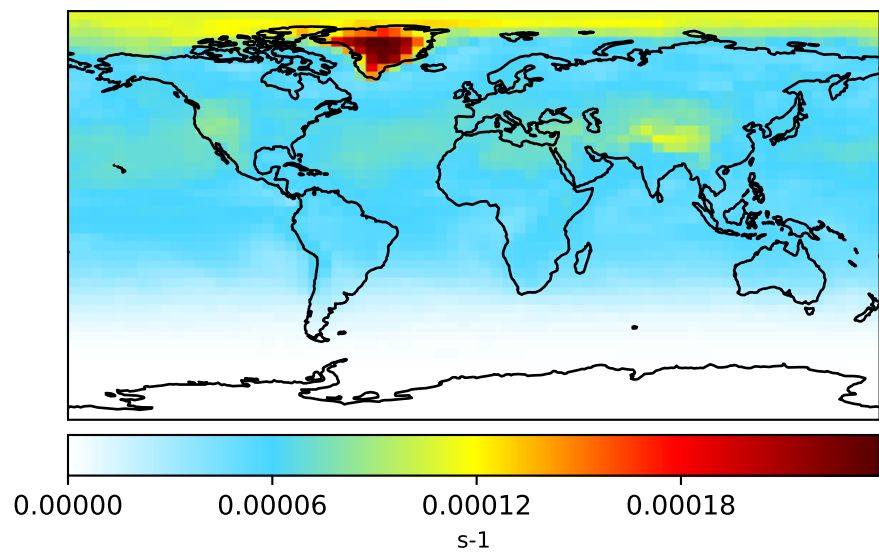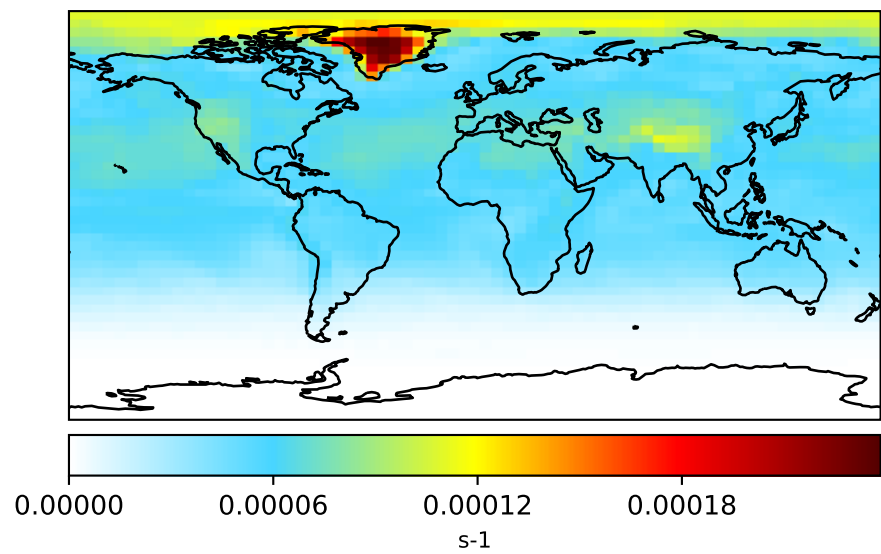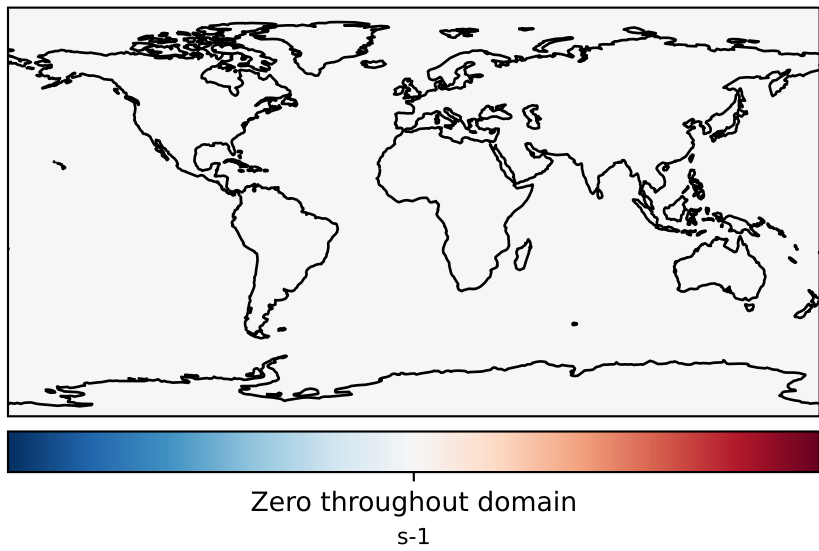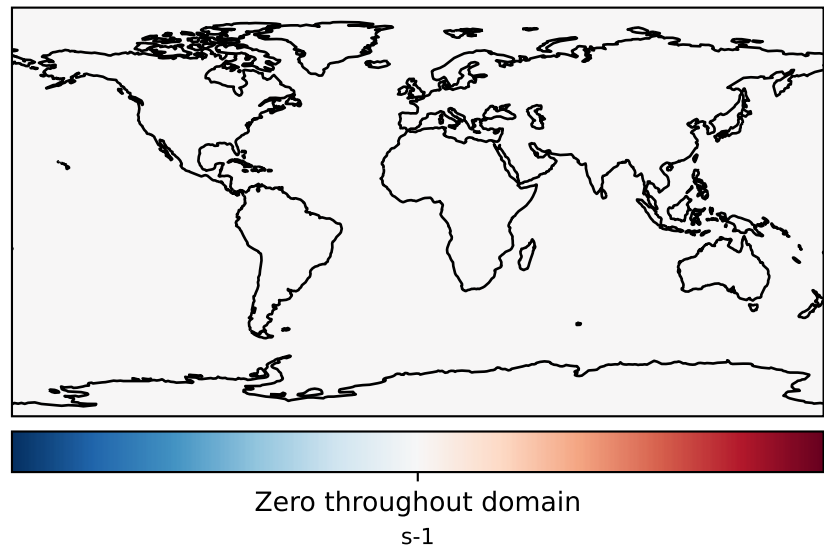
Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

Ref and Dev equal throughout domain
unitless

Jval_MACR1OOH

gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0

gcc-4x5-1Mon-14.6.3 (Dev)
4.0x5.0

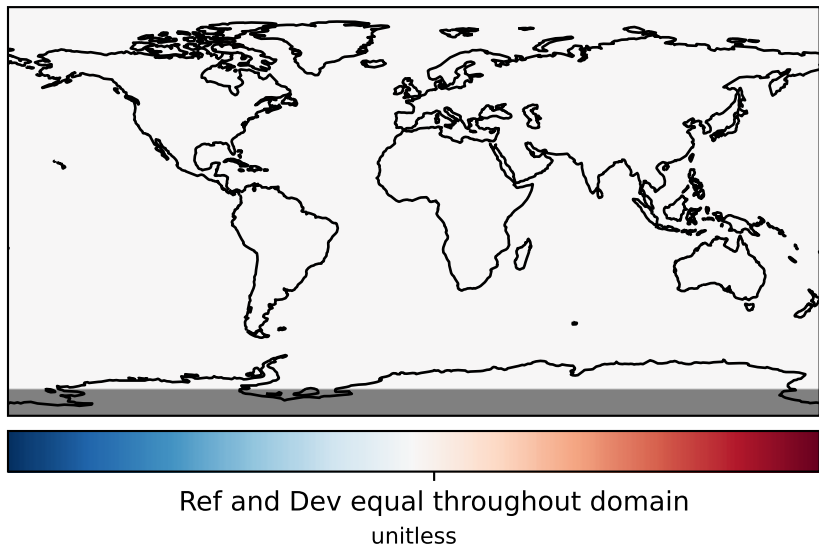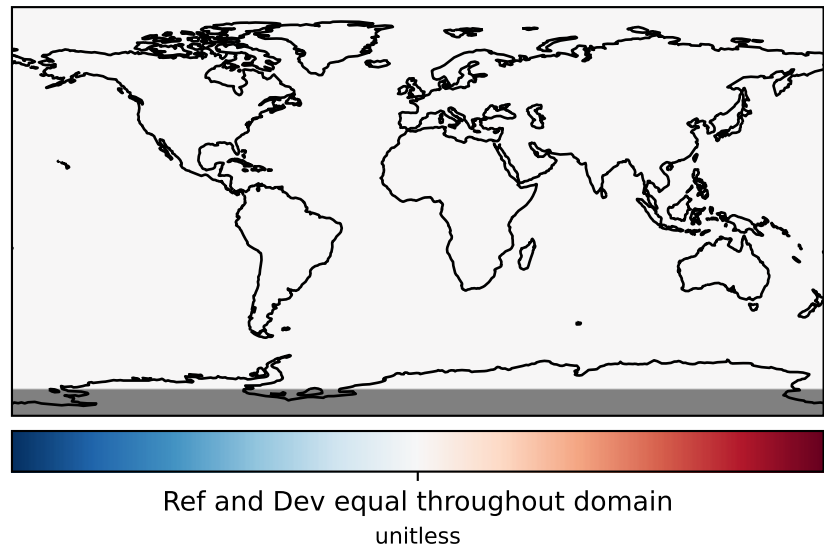Difference
Dev - Ref, Dynamic Range
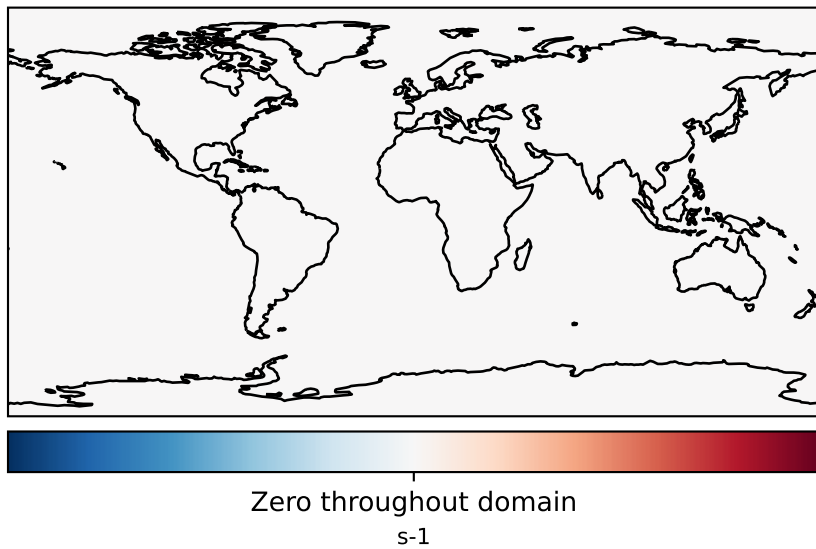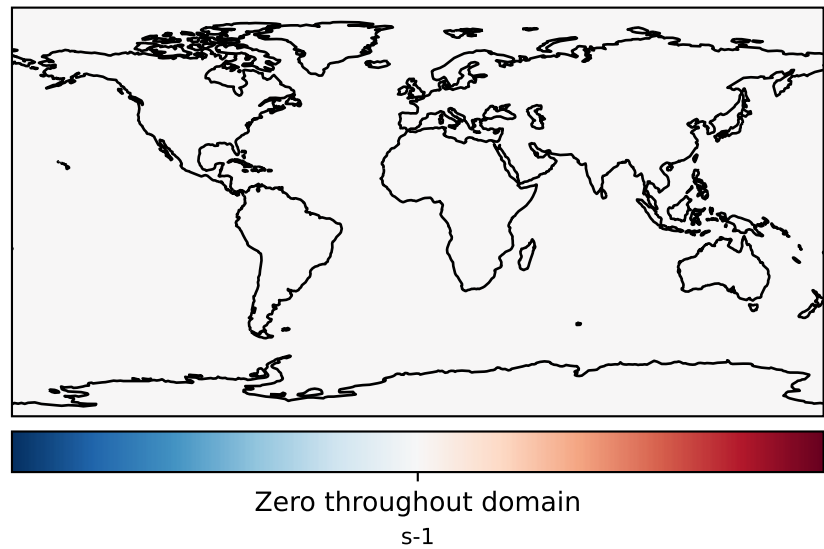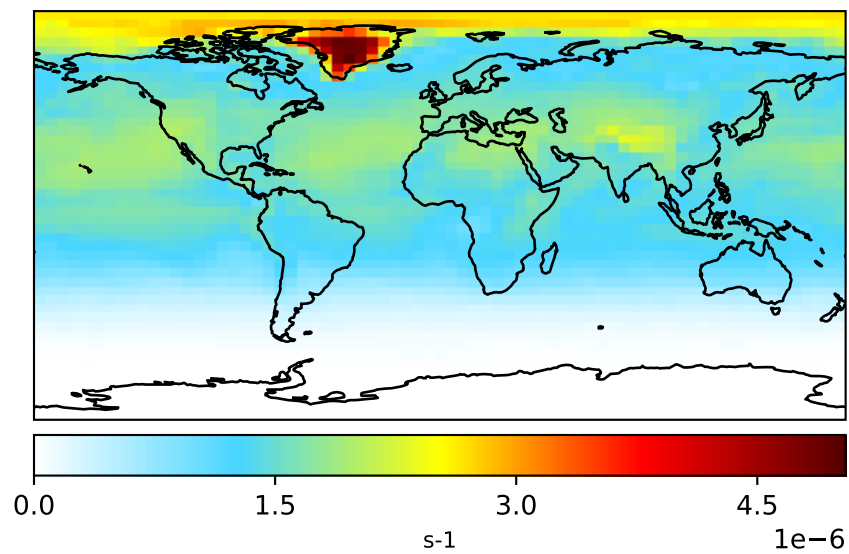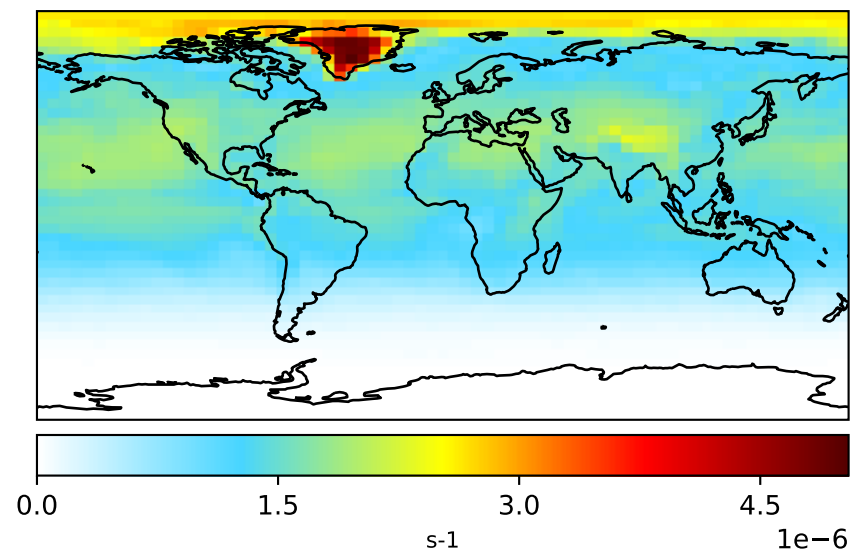
Difference
Dev - Ref, Restricted Range [5%,95%]

Zero throughout domain
s-1

Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

Ref and Dev equal throughout domain
unitless

Jval_MAP

gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0

gcc-4x5-1Mon-14.6.3 (Dev)
4.0x5.0

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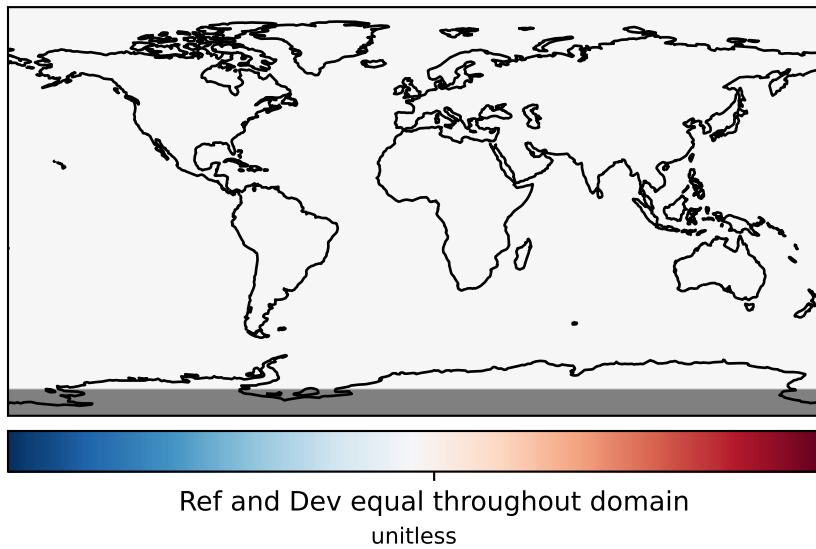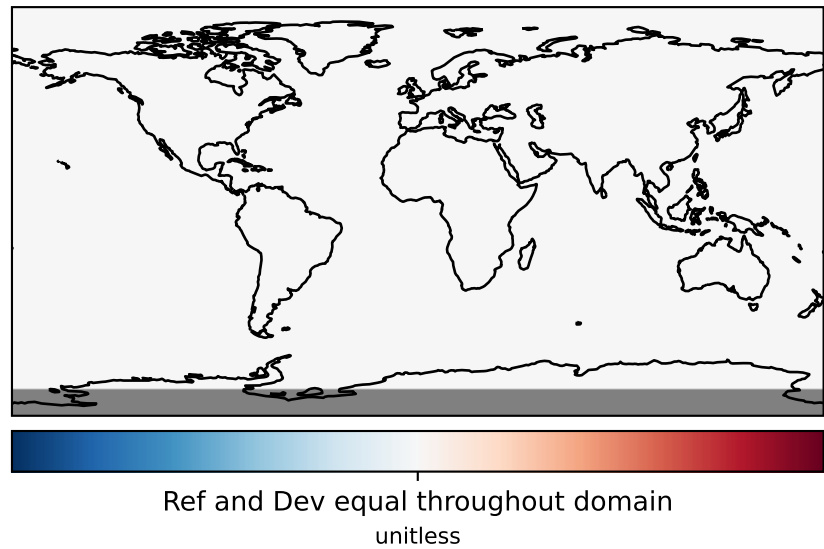Dev - Ref, Dynamic Range
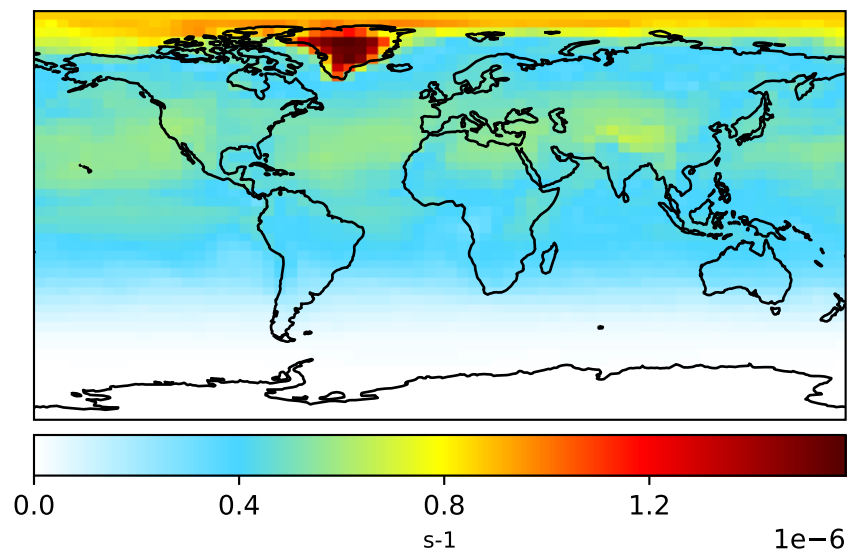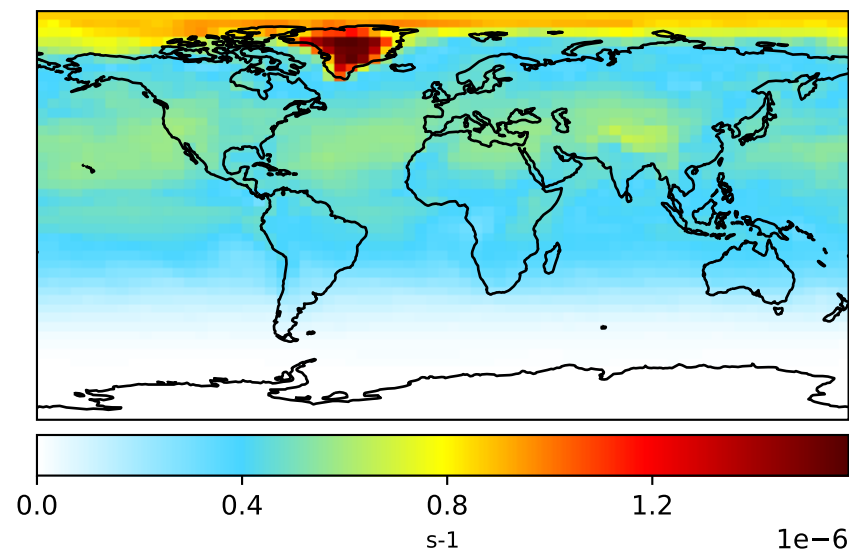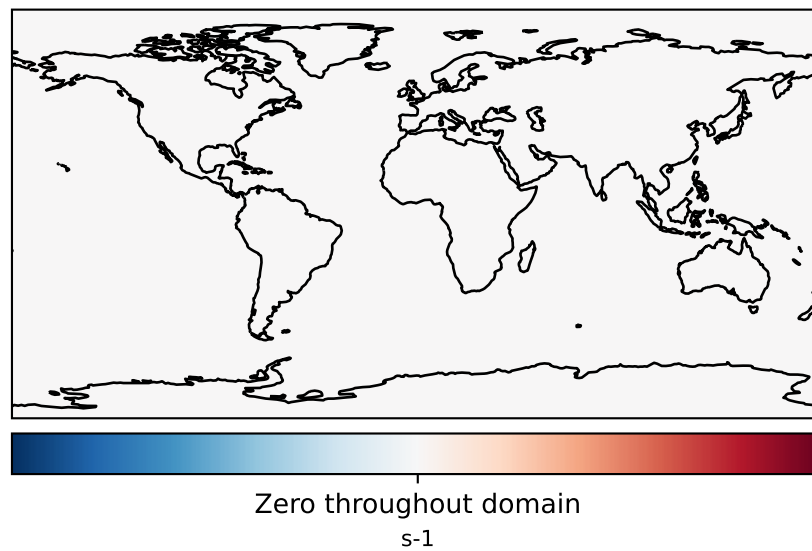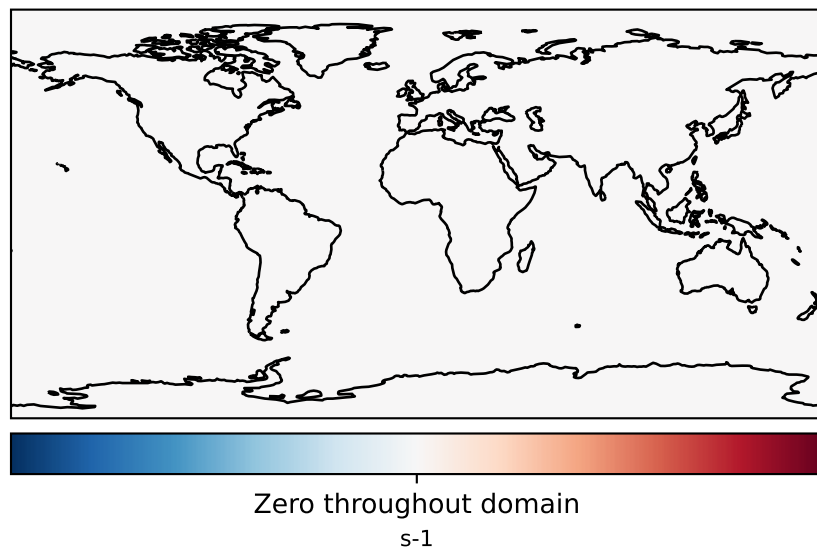
Difference
Dev - Ref, Restricted Range [5%,95%]

Zero throughout domain
s-1

Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

Ref and Dev equal throughout domain
unitless
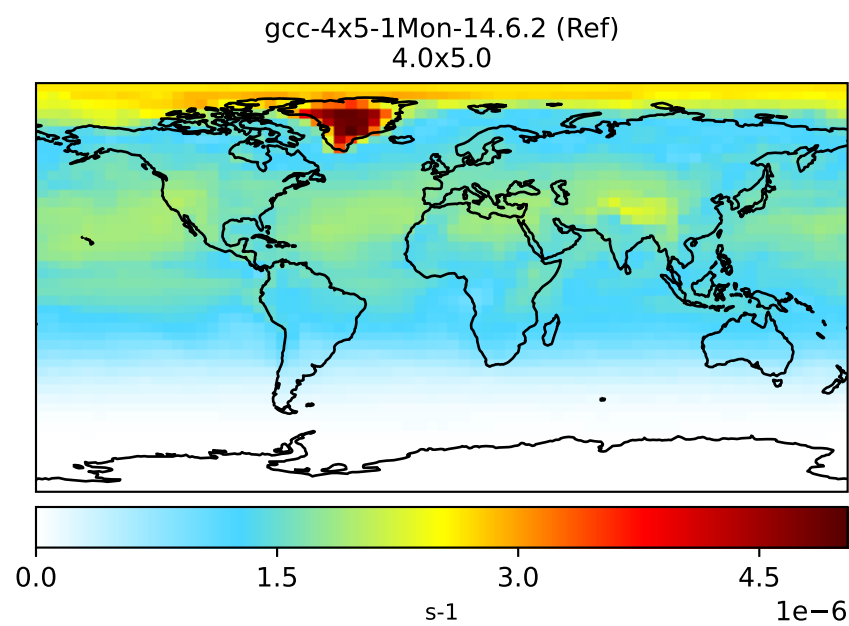
Jval_MCRENOL

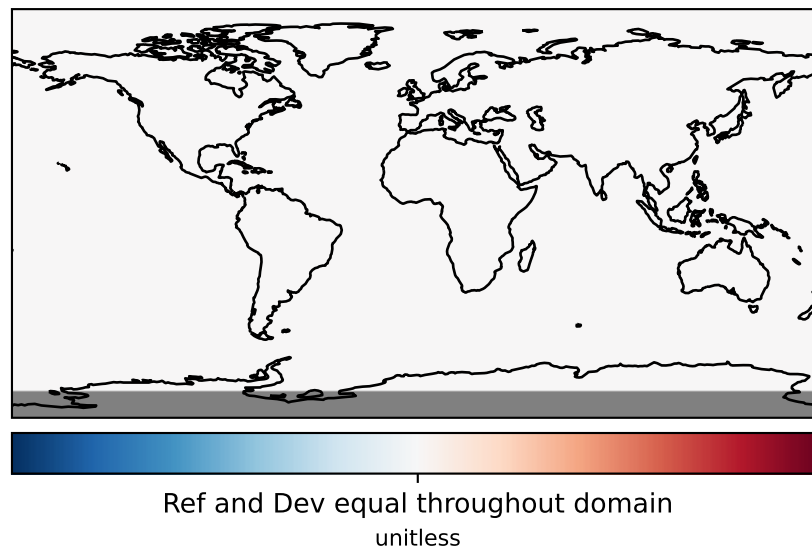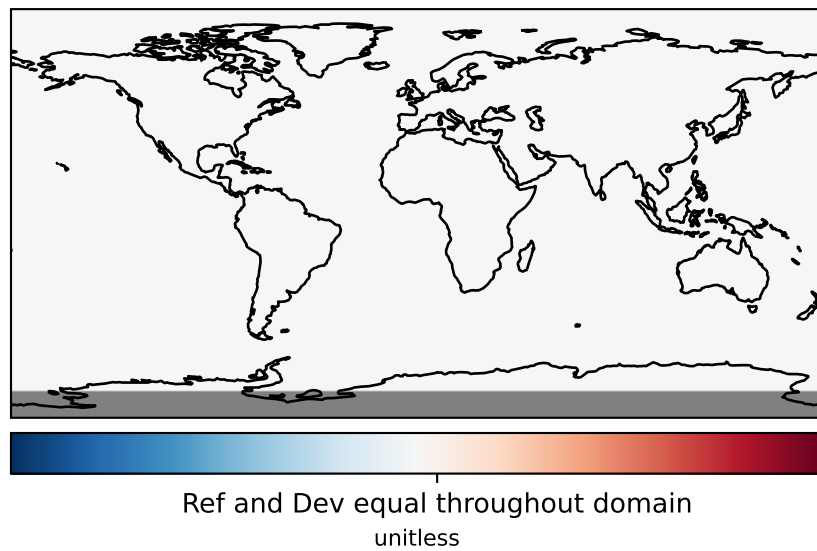gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0

gcc-4x5-1Mon-14.6.3 (Dev)
4.0x5.0

s-1

s-1

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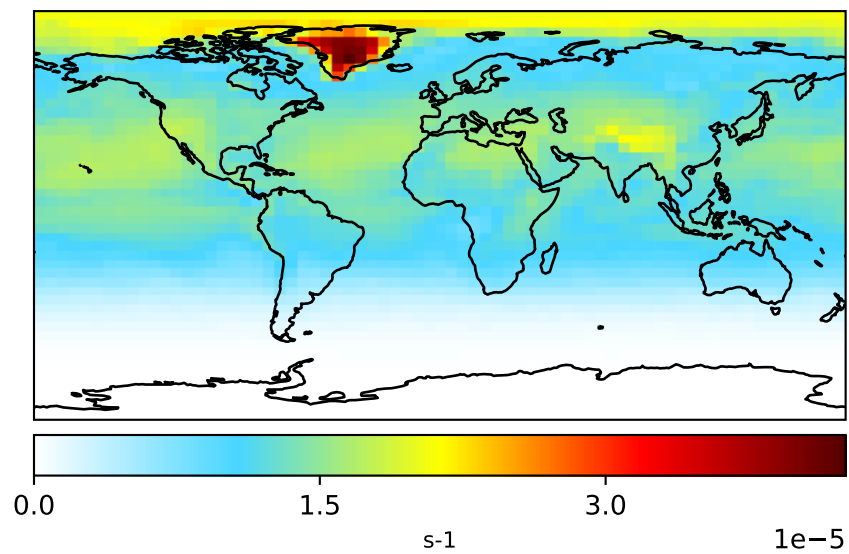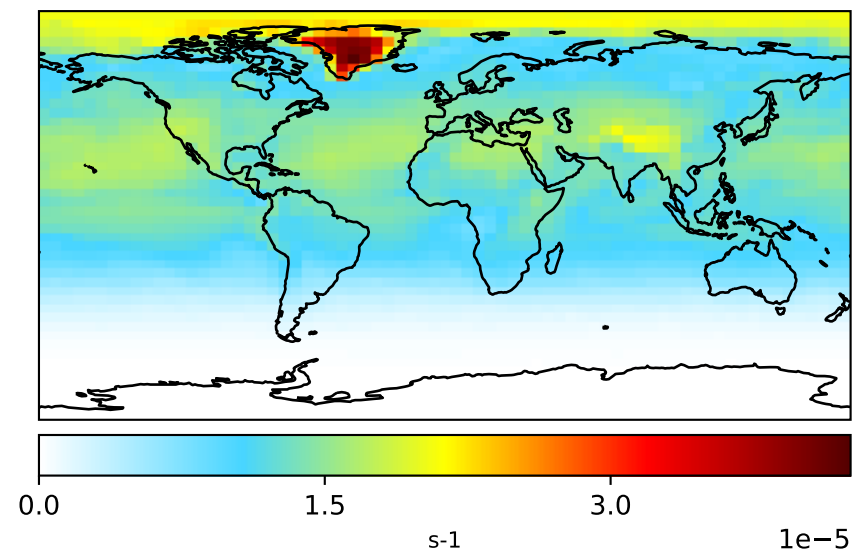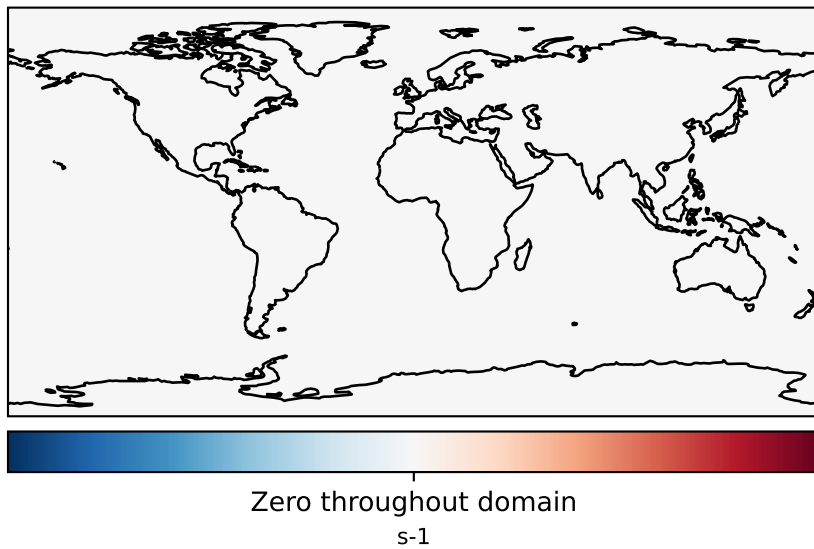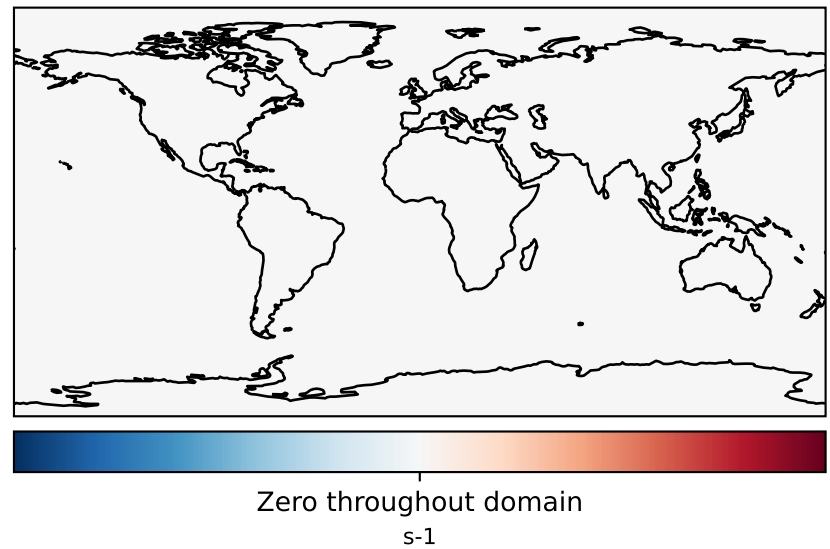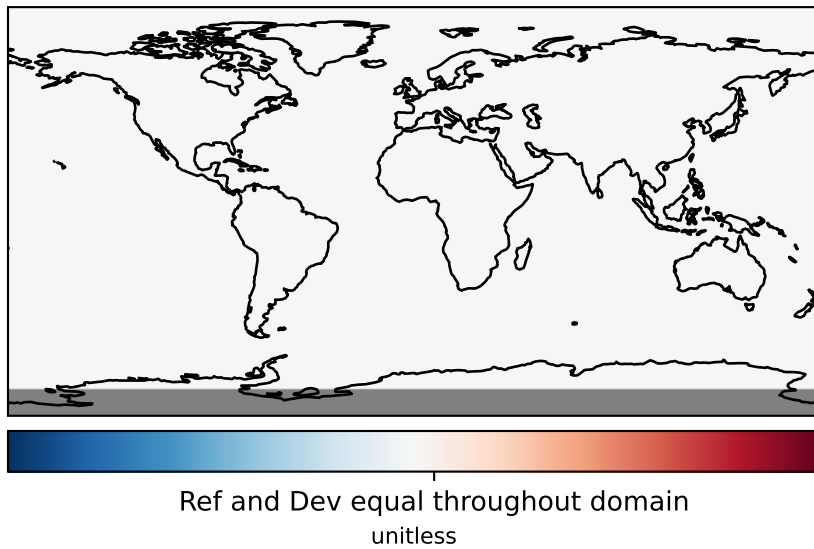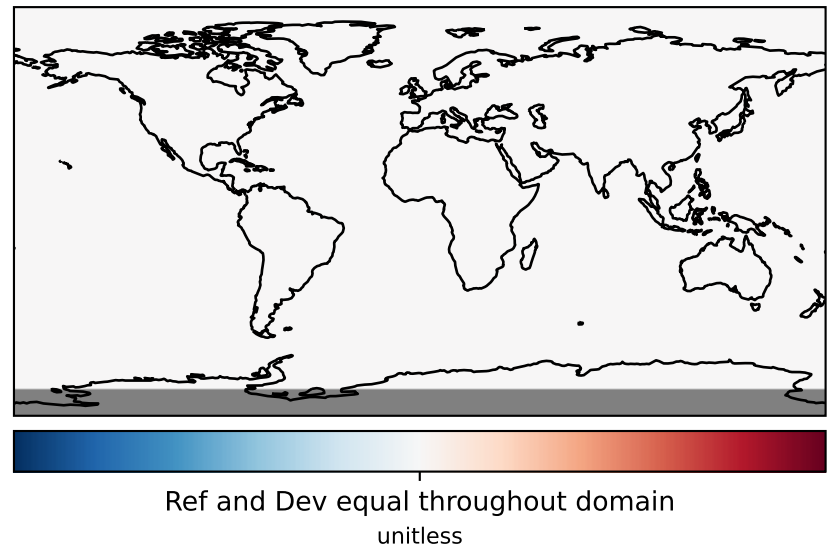
Difference
Dev - Ref, Restricted Range [5%,95%]

Zero throughout domain
s-1

Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

Ref and Dev equal throughout domain
unitless

Jval_MCRHN

gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0

gcc-4x5-1Mon-14.6.3 (Dev)
4.0x5.0

s-1

s-1

Difference
Dev - Ref, Dynamic Range

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

Zero throughout domain
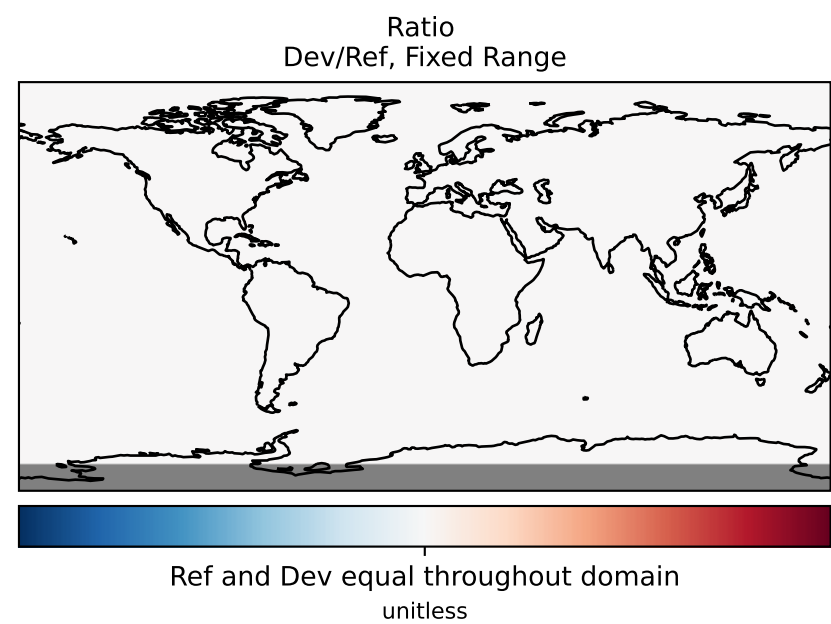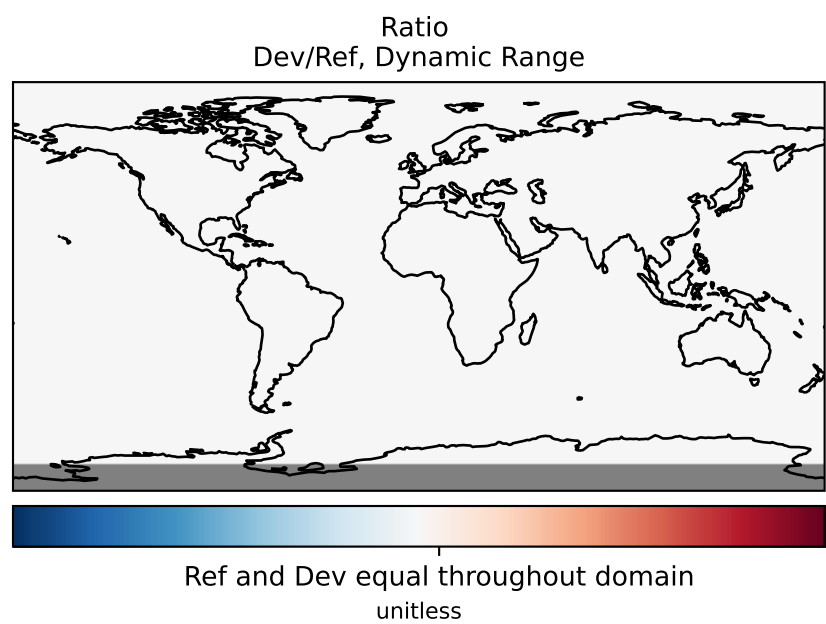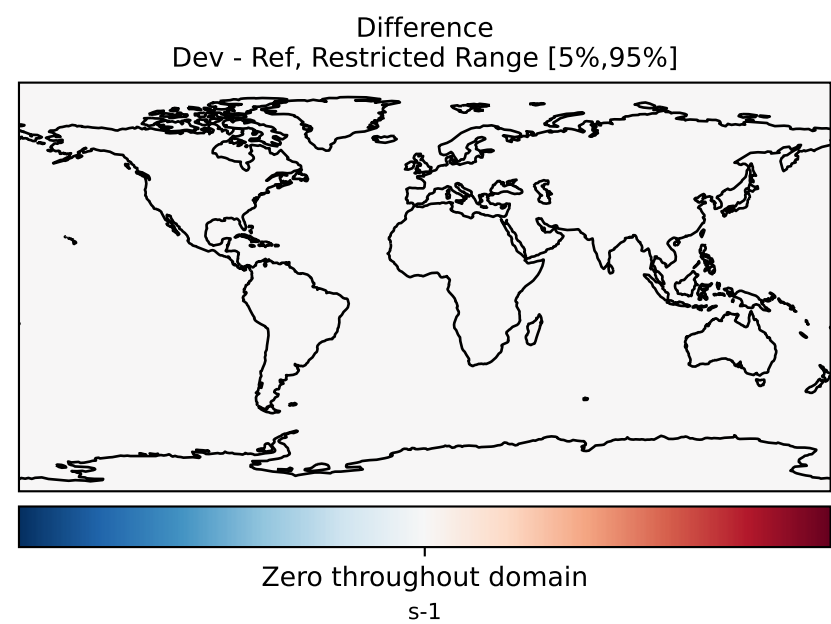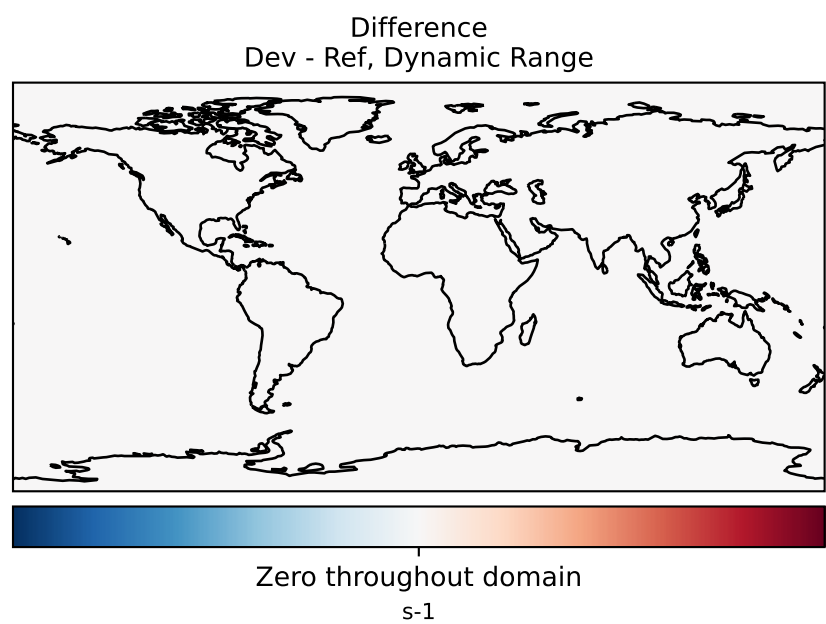s-1

Zero throughout domain
s-1
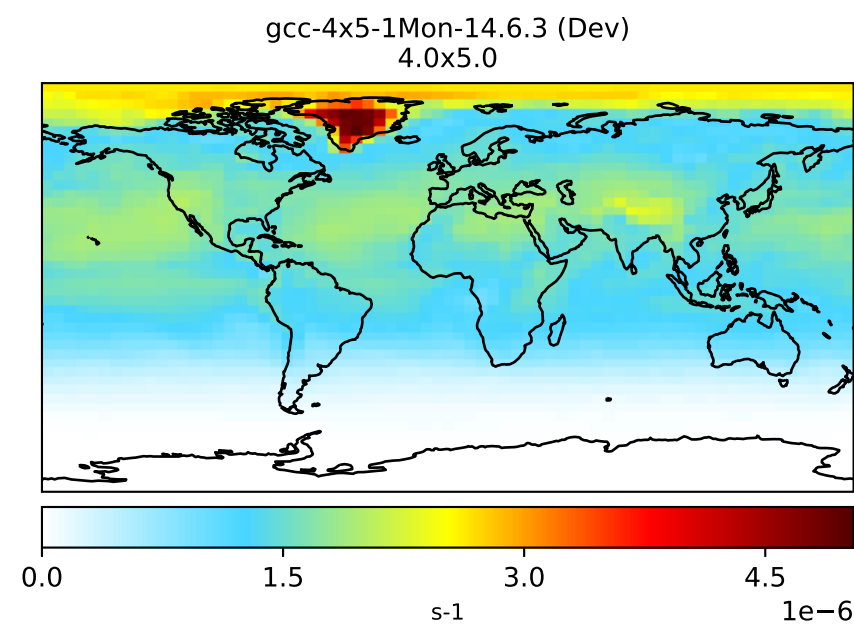
Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

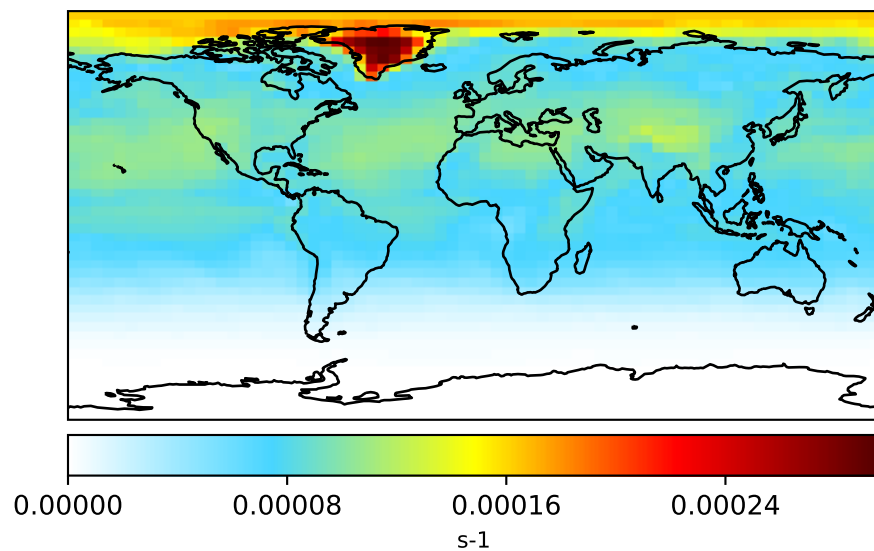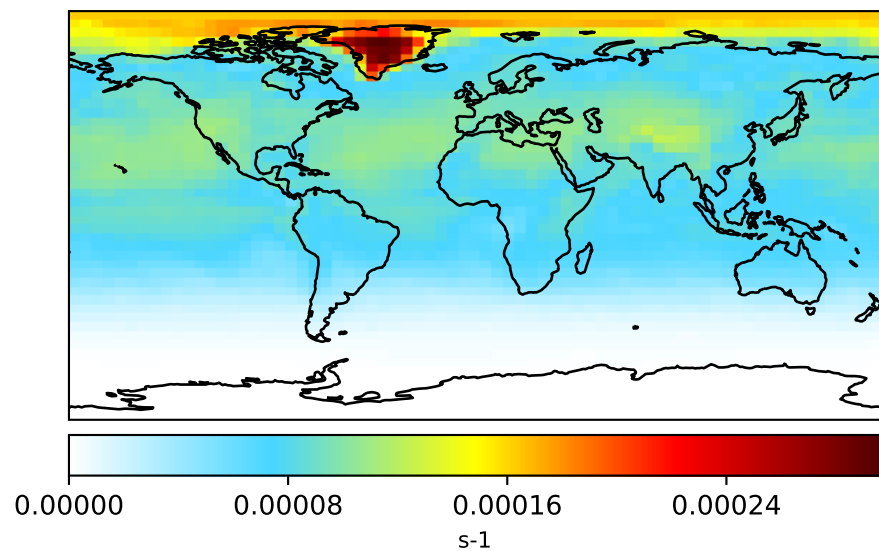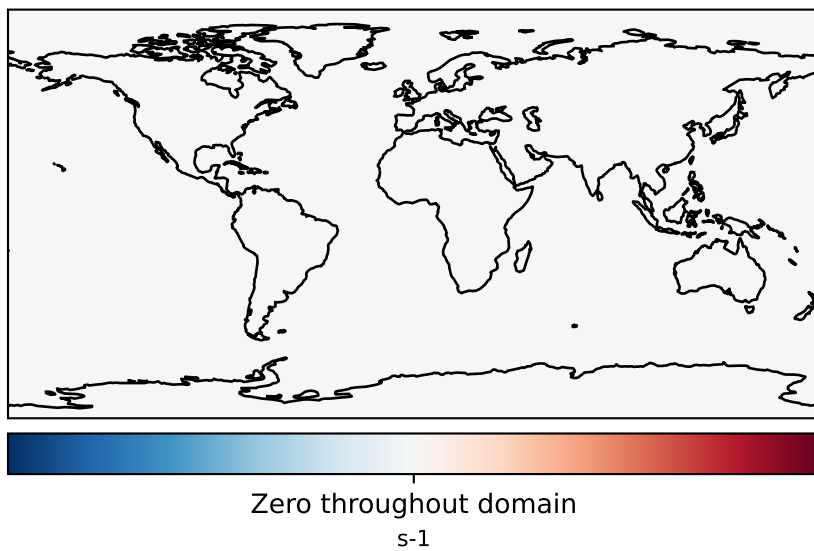Ref and Dev equal throughout domain
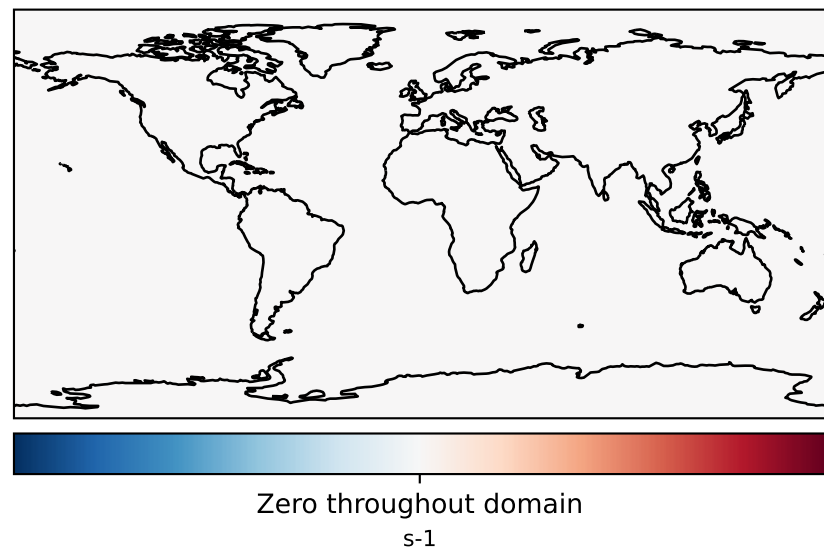unitless

Jval_MCRHNB

Jval_MCRHP

gcc-4x5-1Mon-14.6.2 (Ref)
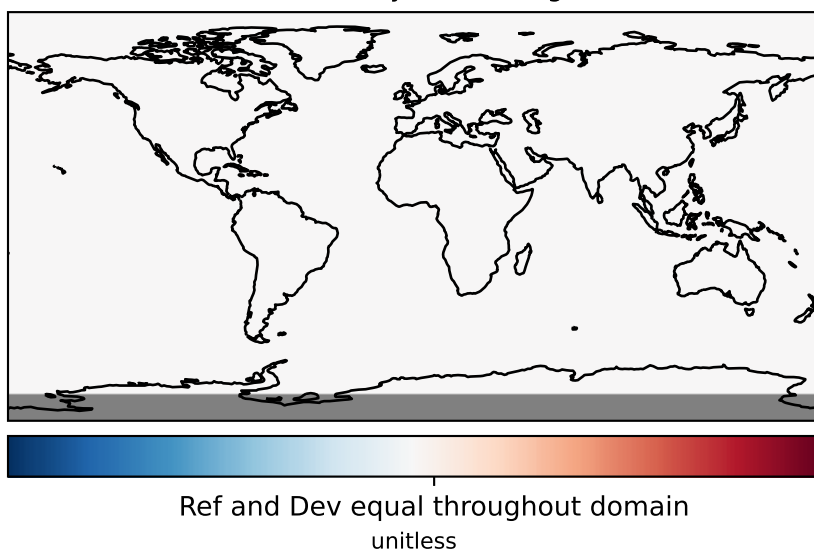4.0x5.0

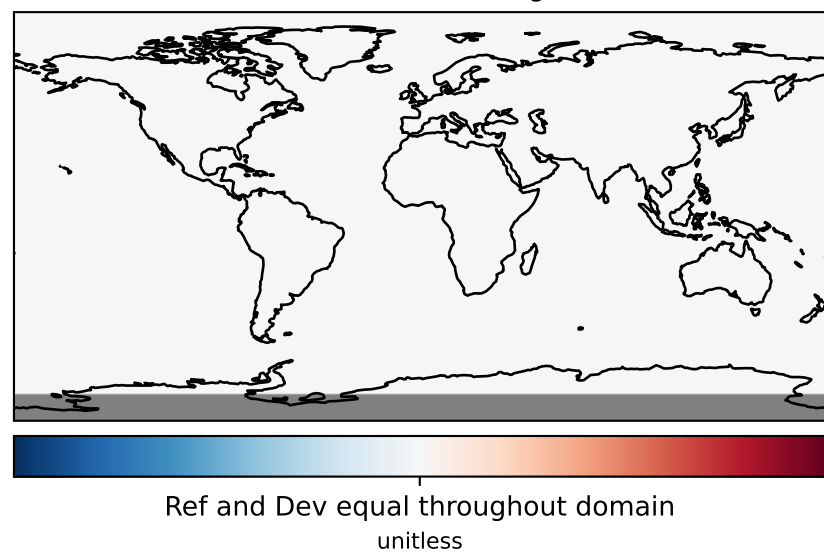gcc-4x5-1Mon-14.6.3 (Dev)
4.0x5.0

Difference
Dev - Ref, Dynamic Range

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

Zero throughout domain
s-1
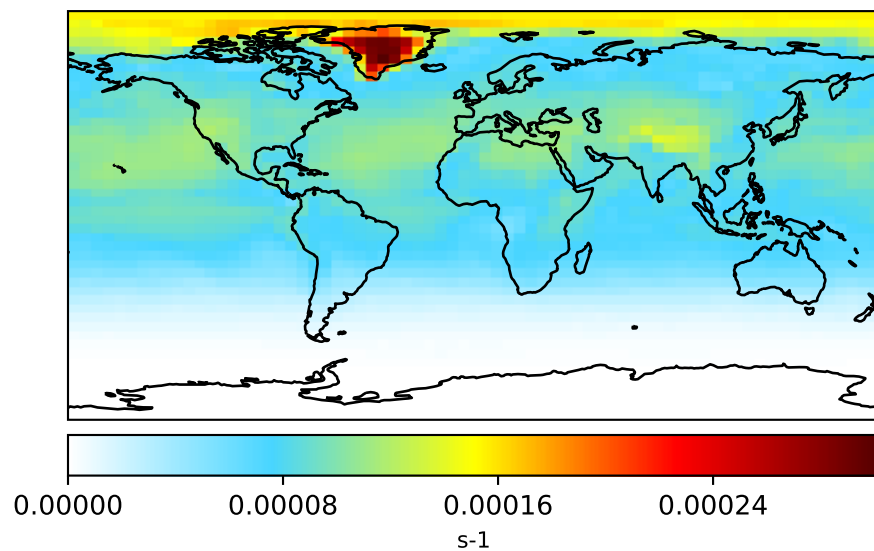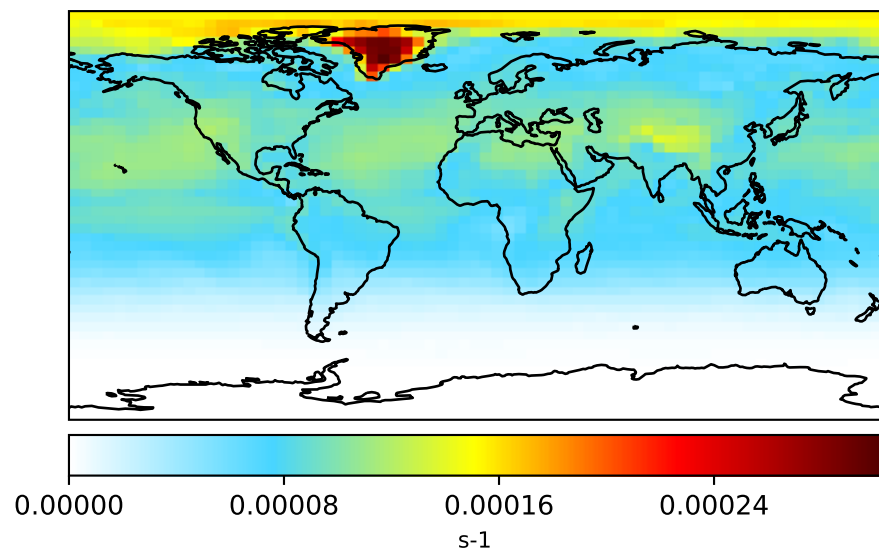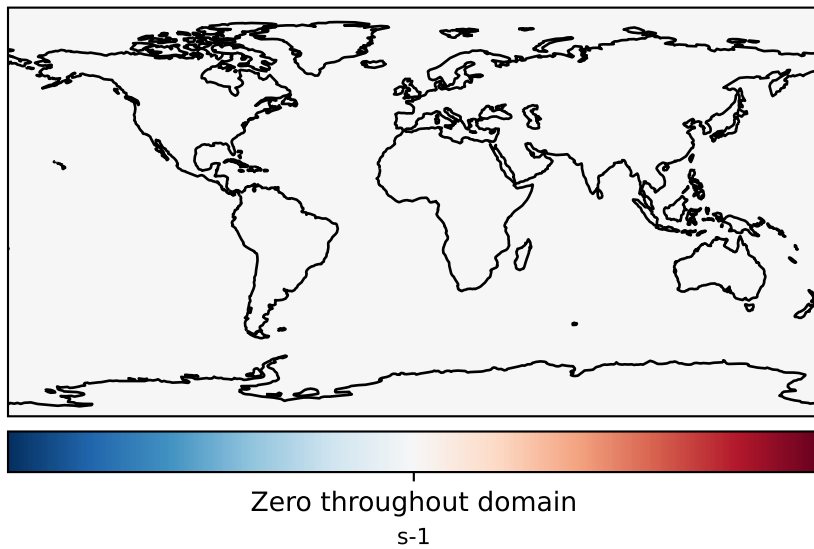
Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

Ref and Dev equal throughout domain
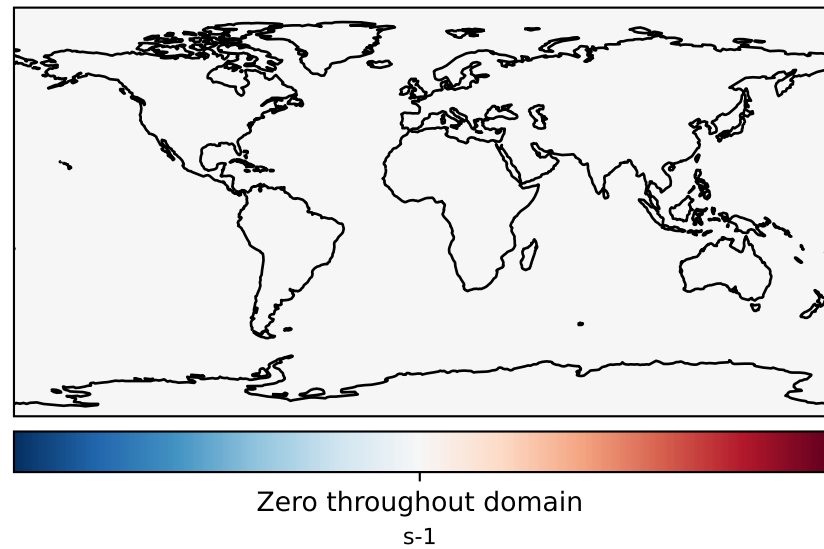unitless

Jval_MEK

gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0

gcc-4x5-1Mon-14.6.3 (Dev)
4.0x5.0

s-1

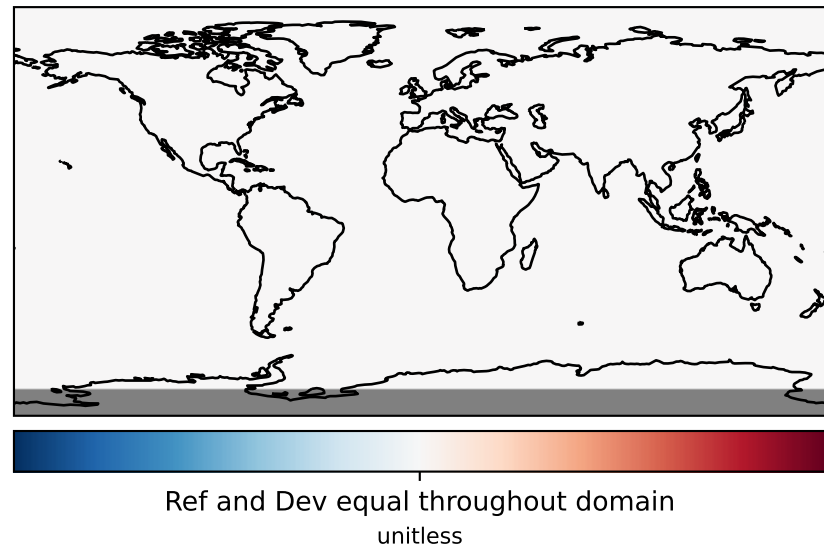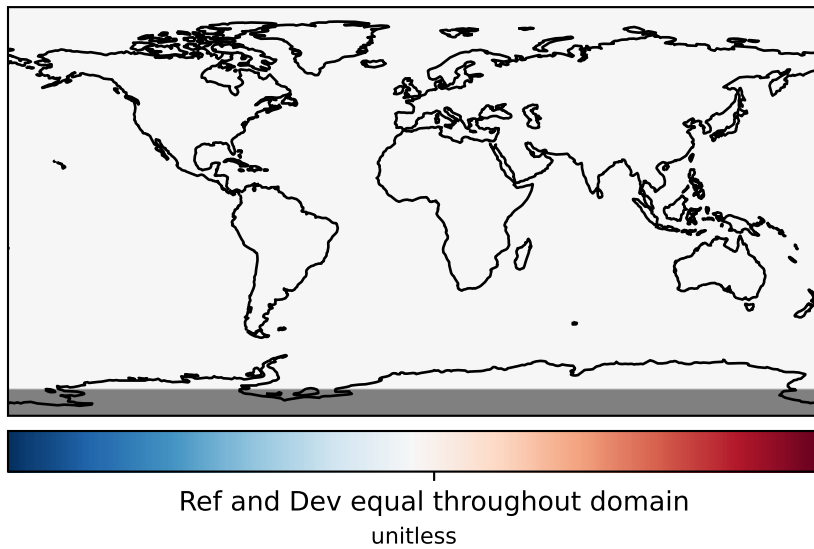s-1

Difference
Dev - Ref, Dynamic Range

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

Zero throughout domain
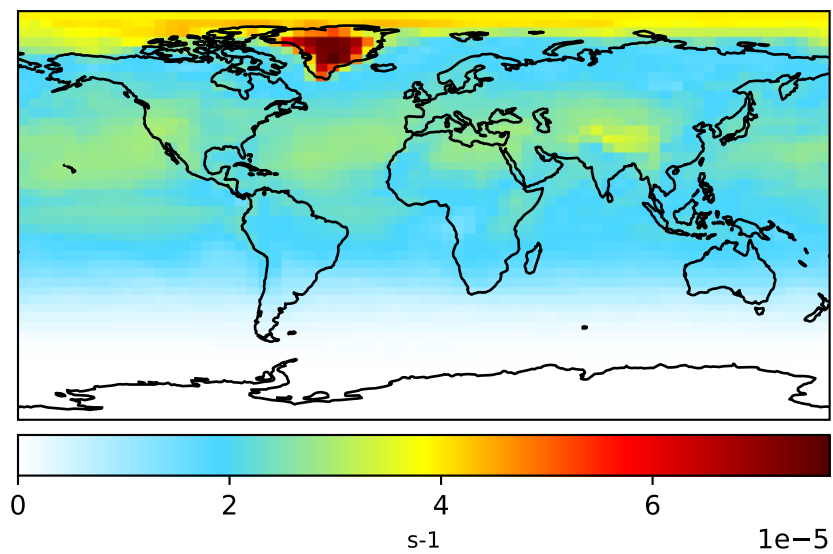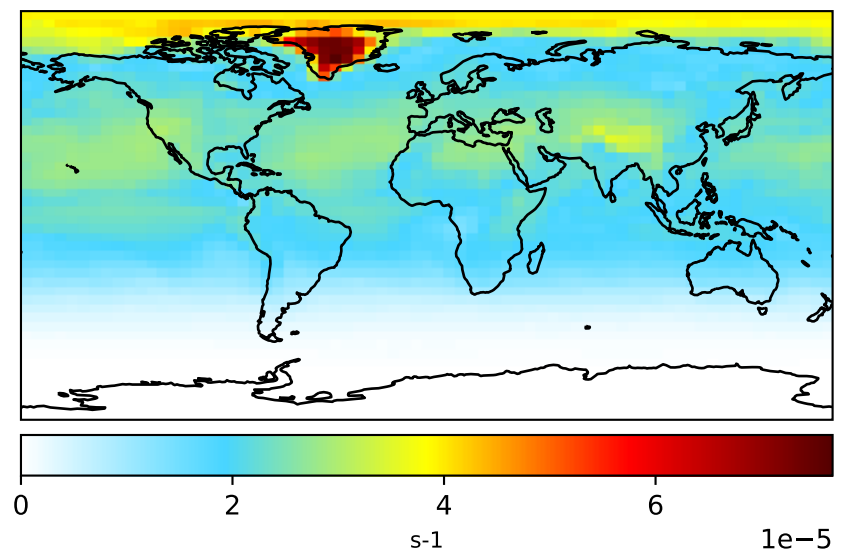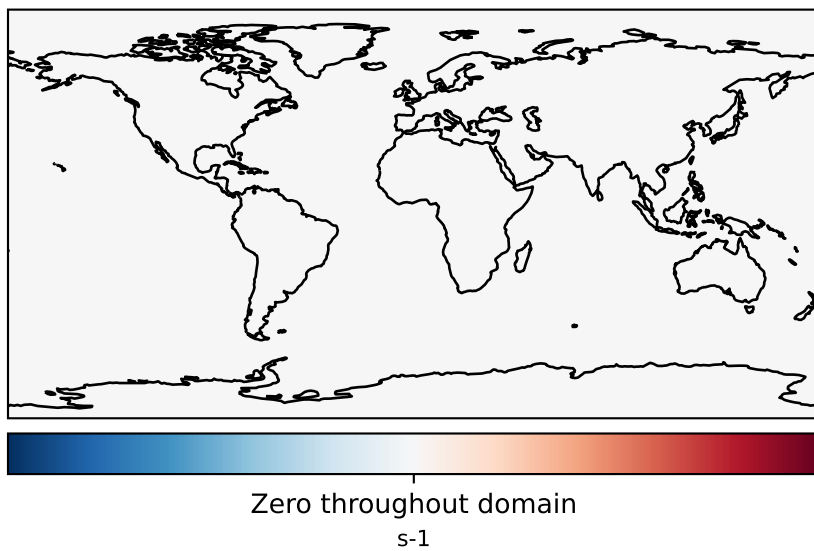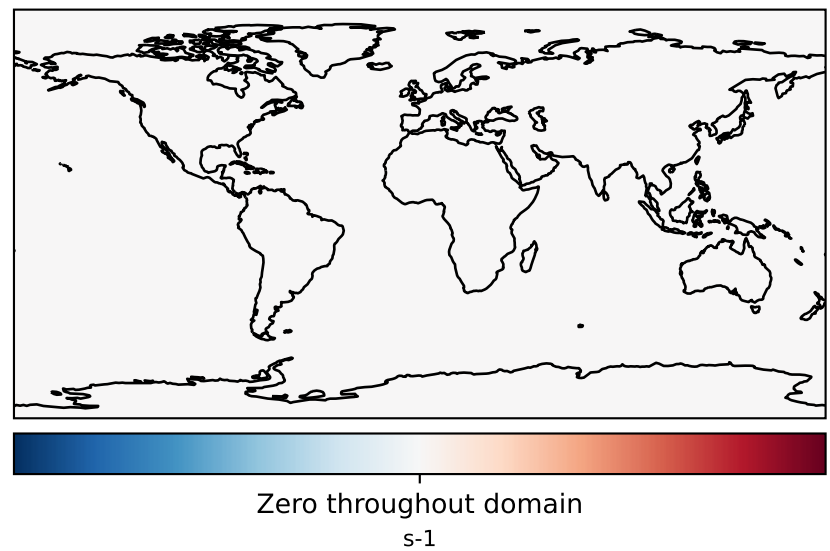s-1

Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

Ref and Dev equal throughout domain
unitless

Jval_MENO3

gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0

gcc-4x5-1Mon-14.6.3 (Dev)
4.0x5.0

s-1
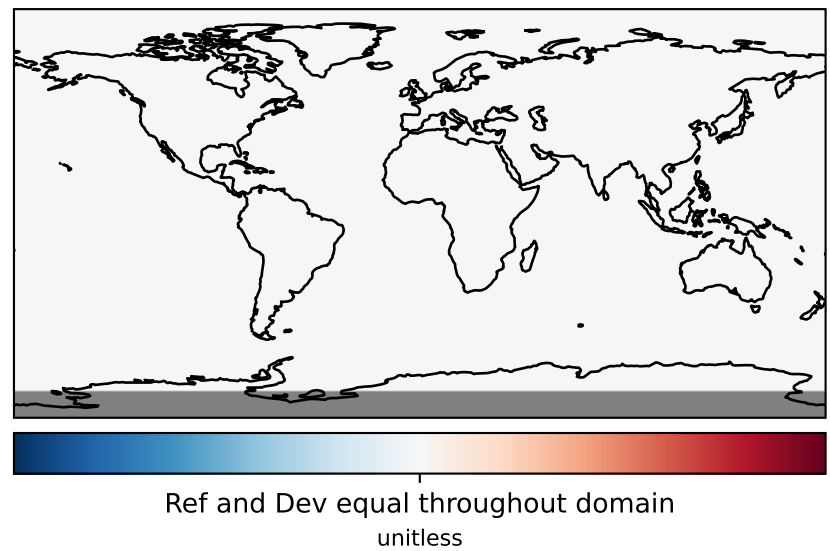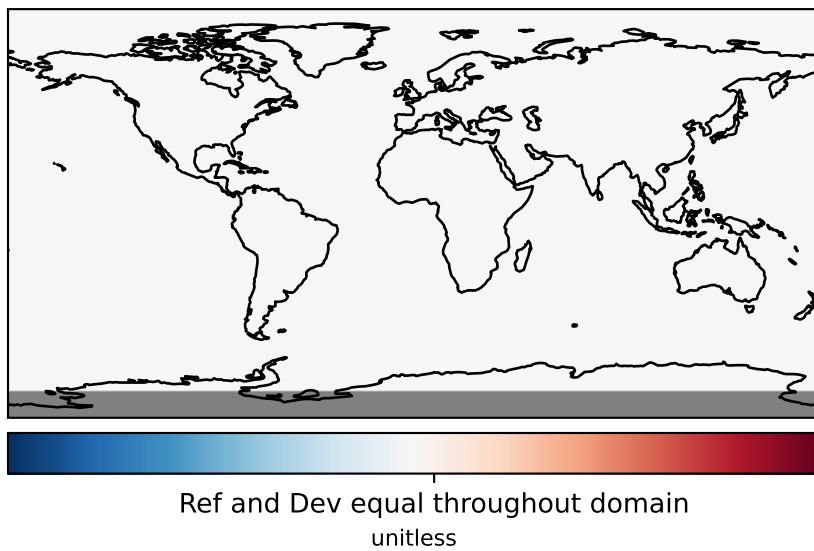
s-1

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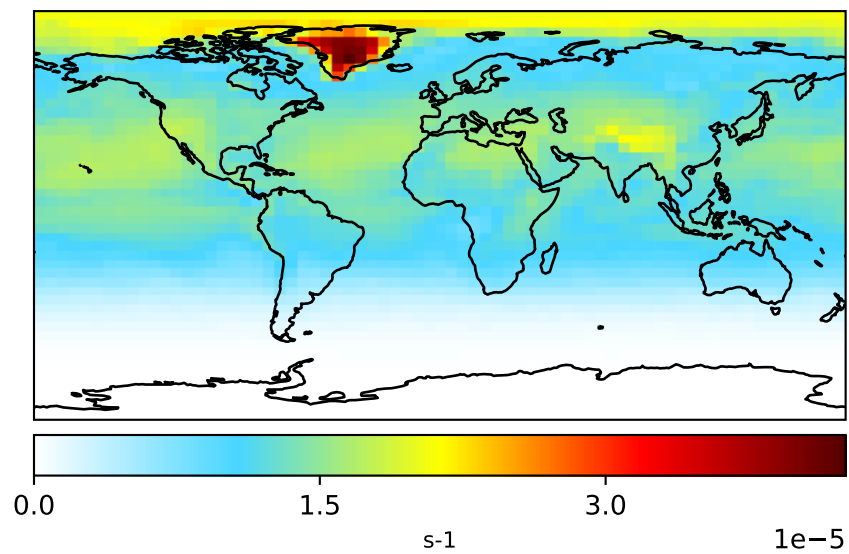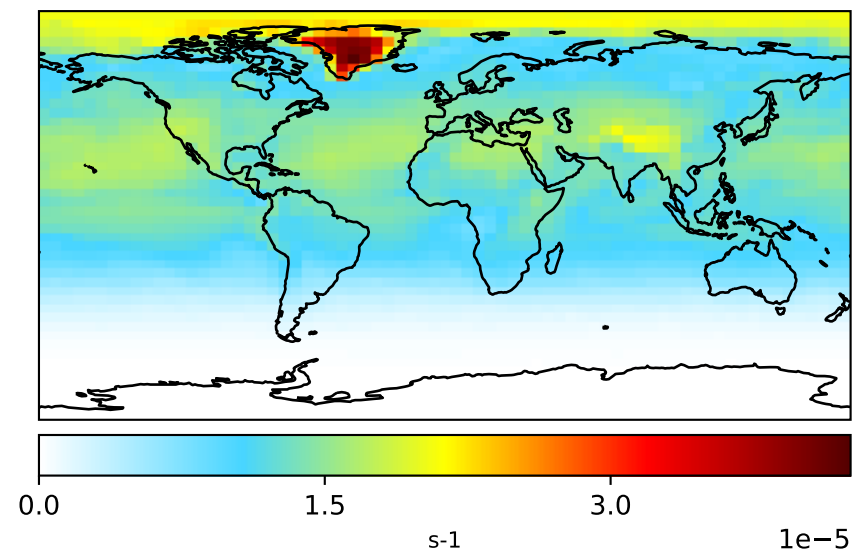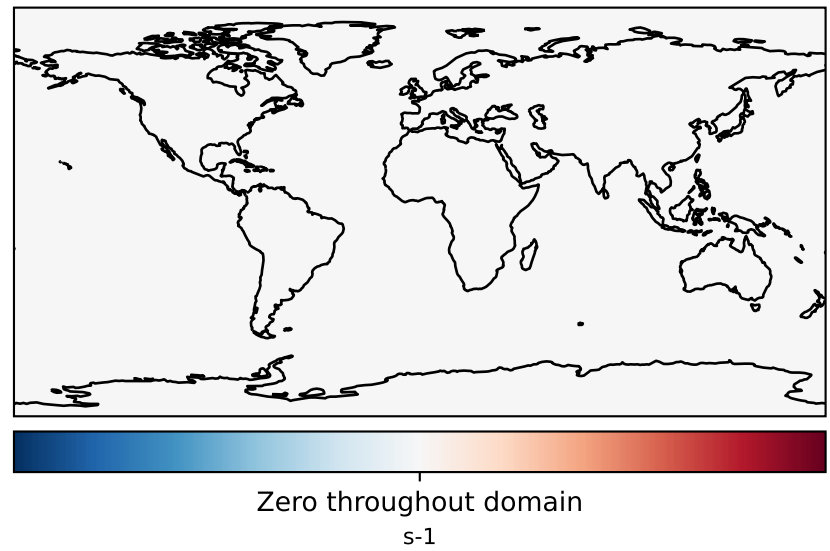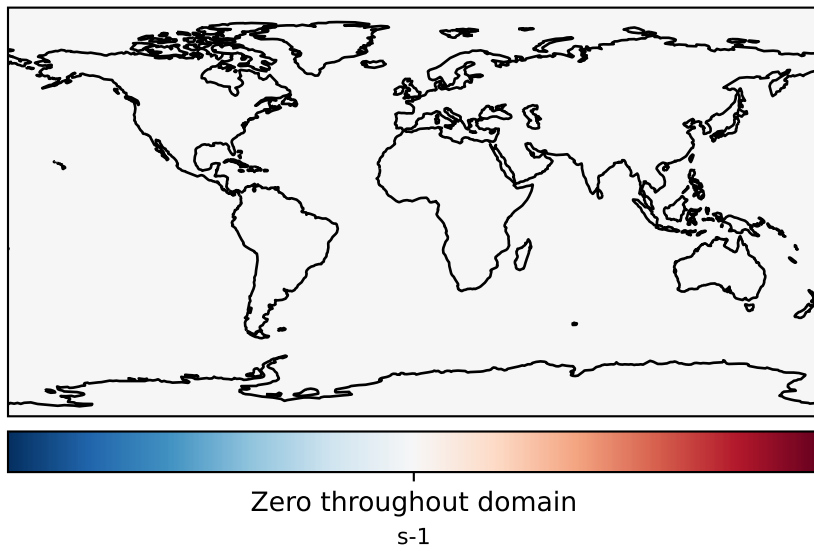
Difference
Dev - Ref, Restricted Range [5%,95%]

Zero throughout domain
s-1

Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

Ref and Dev equal throughout domain
unitless

Jval_MGLY

gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0
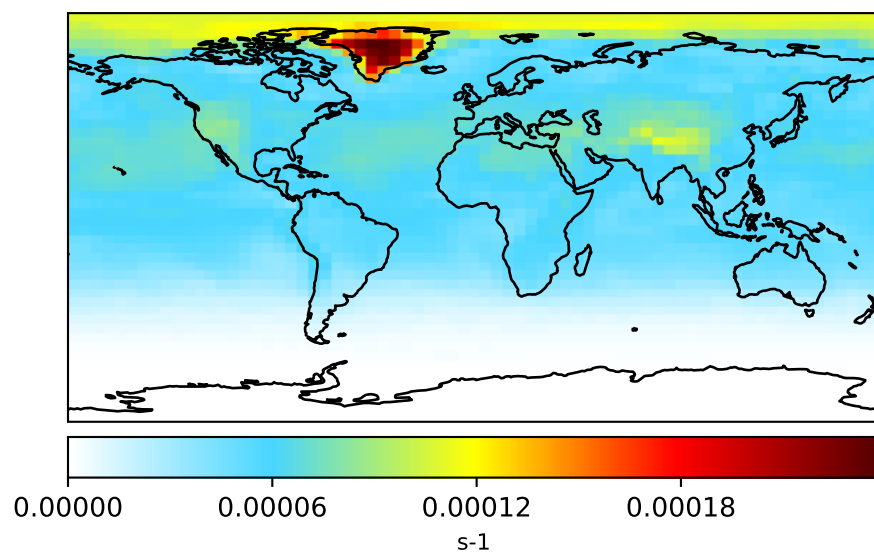
gcc-4x5-1Mon-14.6.3 (Dev)
4.0x5.0

s-1

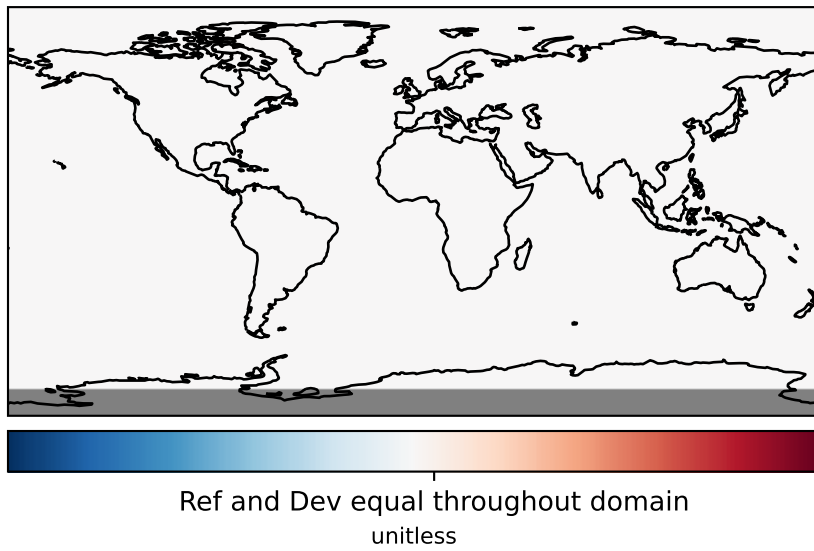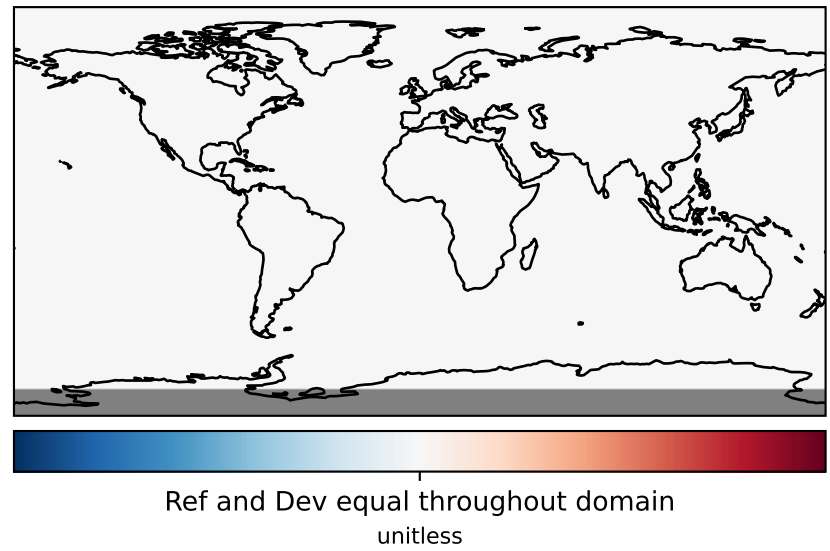s-1

Difference
Dev - Ref, Dynamic Range

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

Zero throughout domain
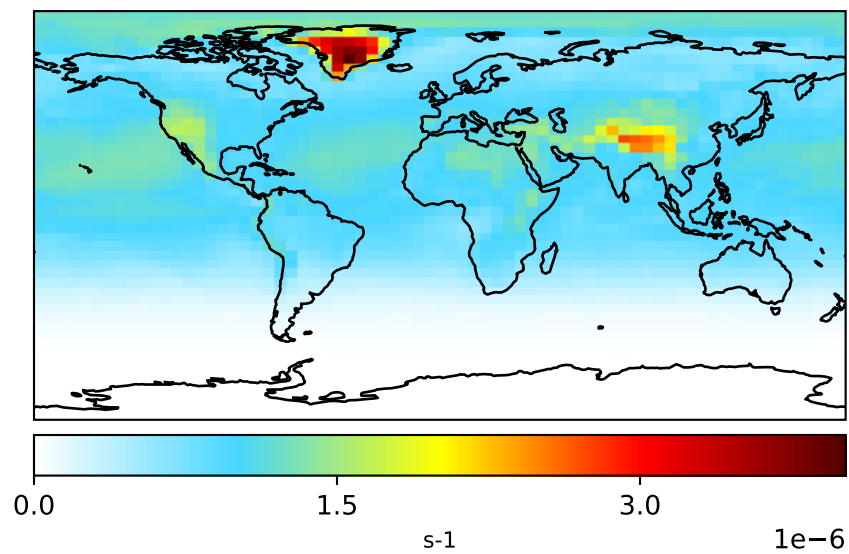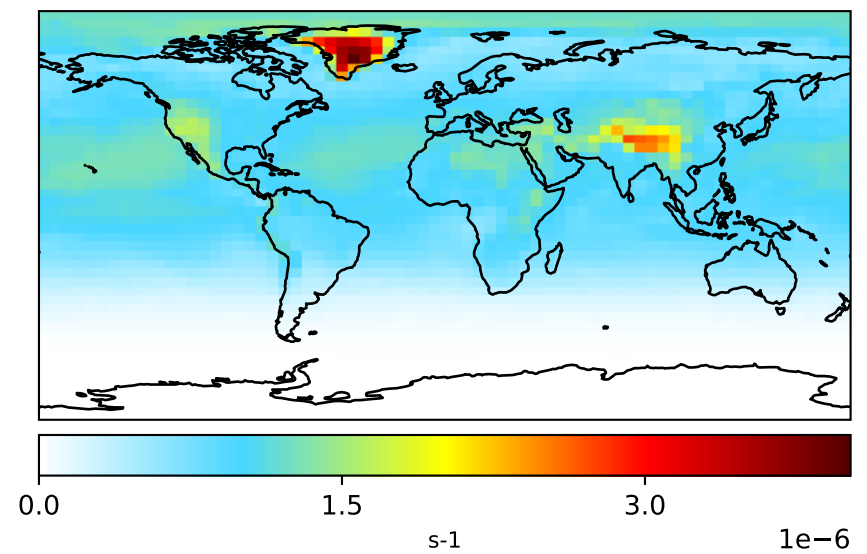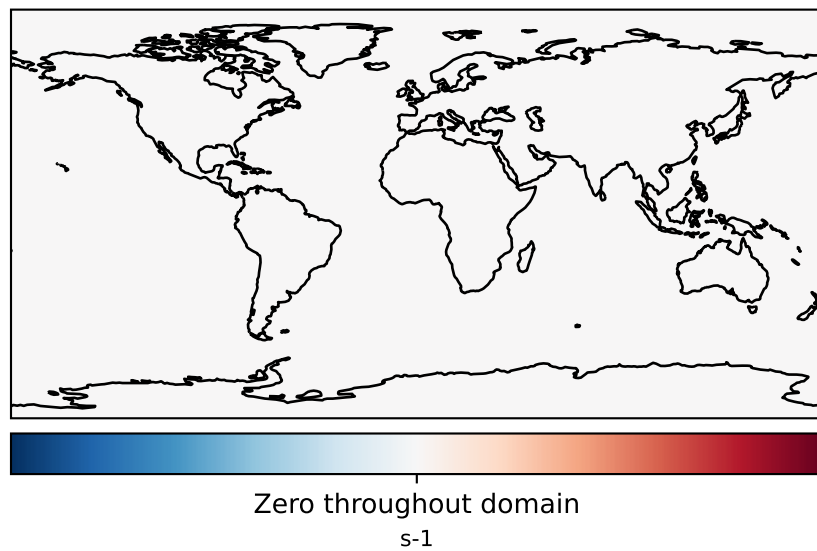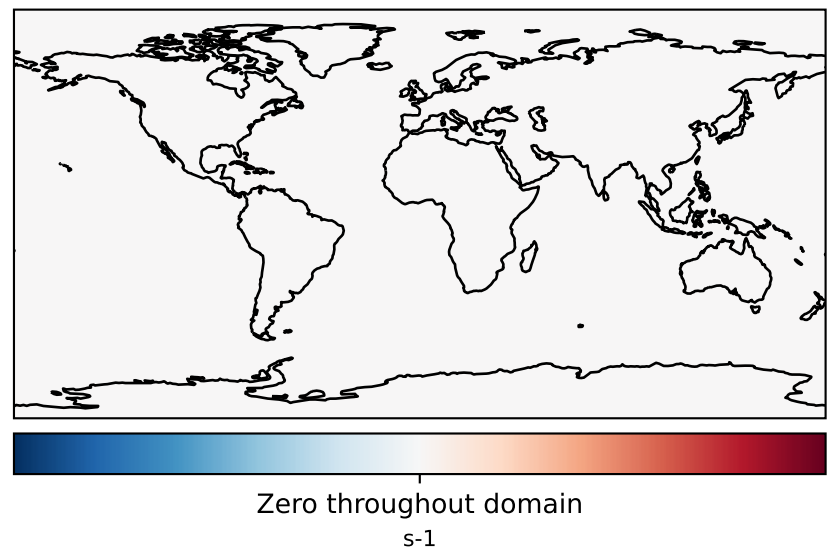s-1

Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

Ref and Dev equal throughout domain
unitless

Jval_MONITS

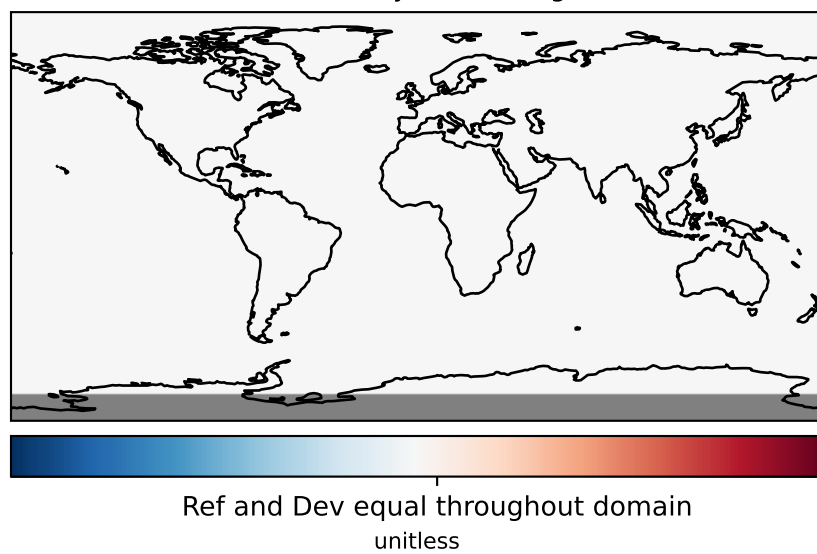gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0

gcc-4x5-1Mon-14.6.3 (Dev)
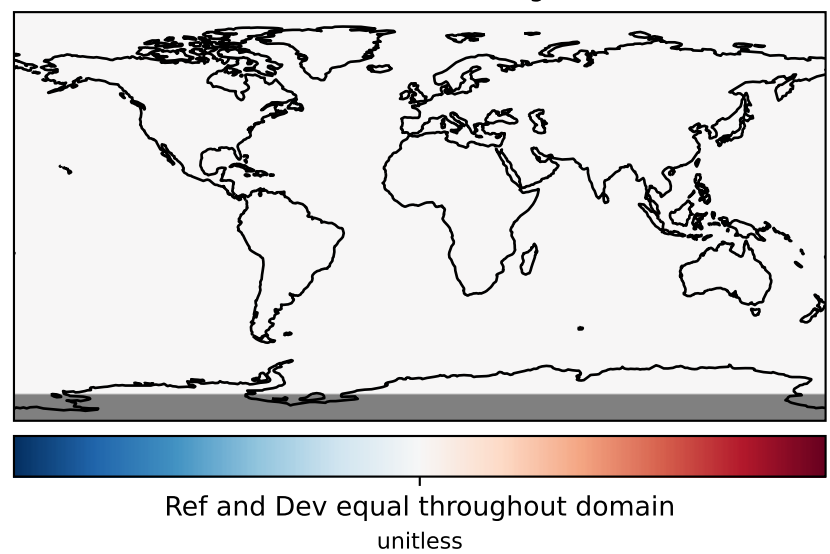4.0x5.0

s-1

s-1

Difference
Dev - Ref, Dynamic Range

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

Zero throughout domain
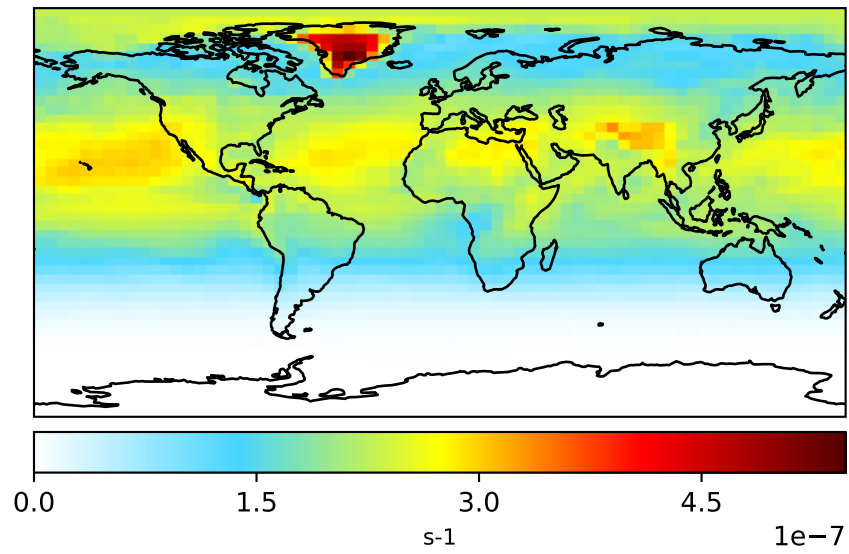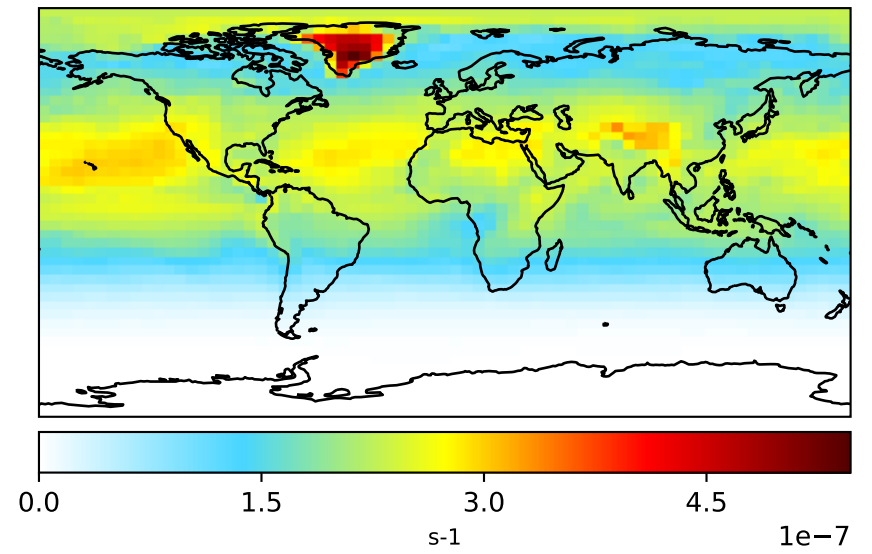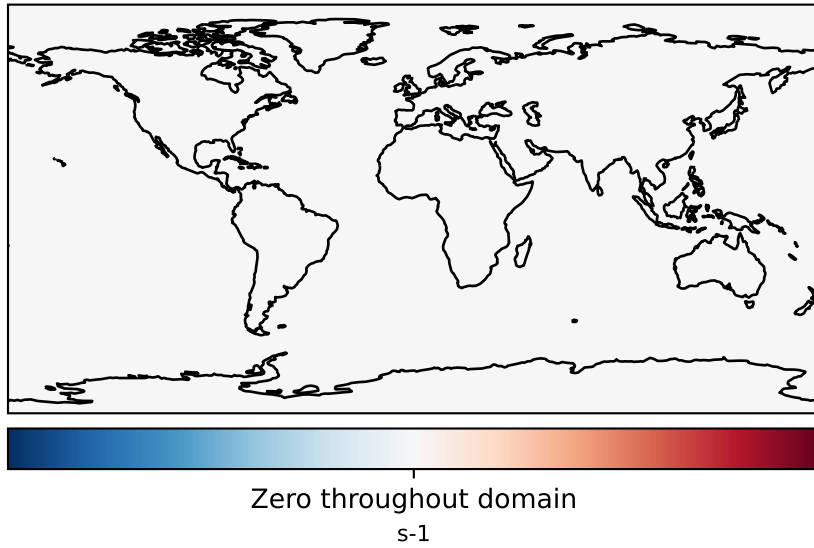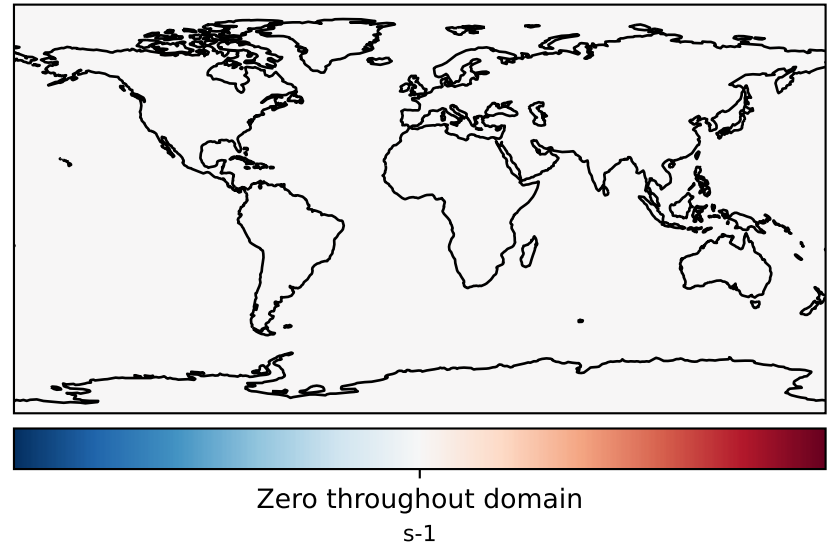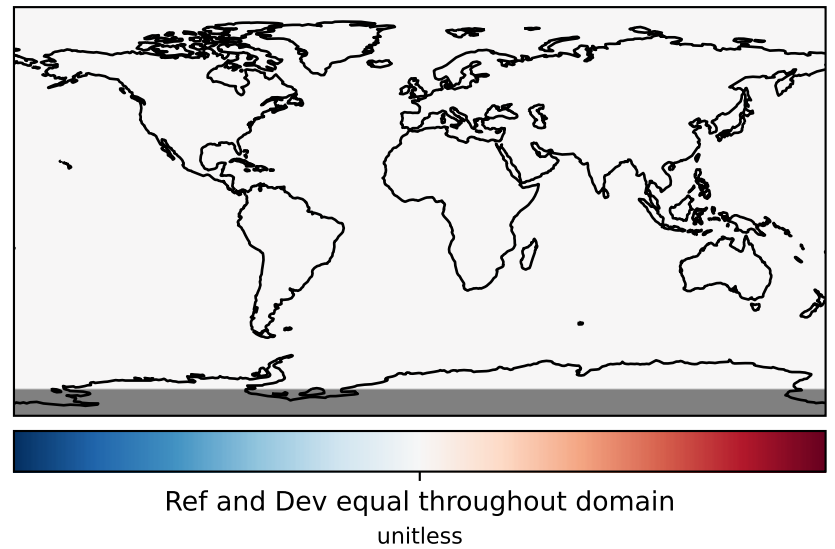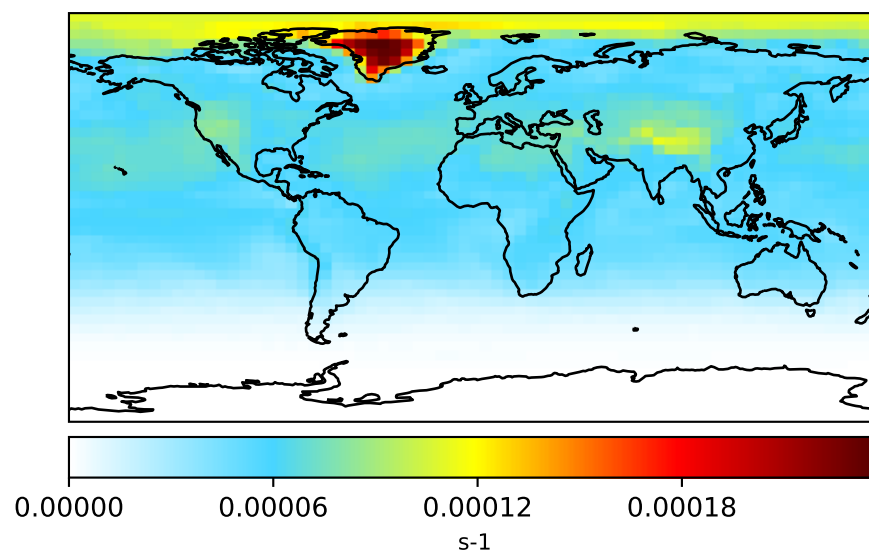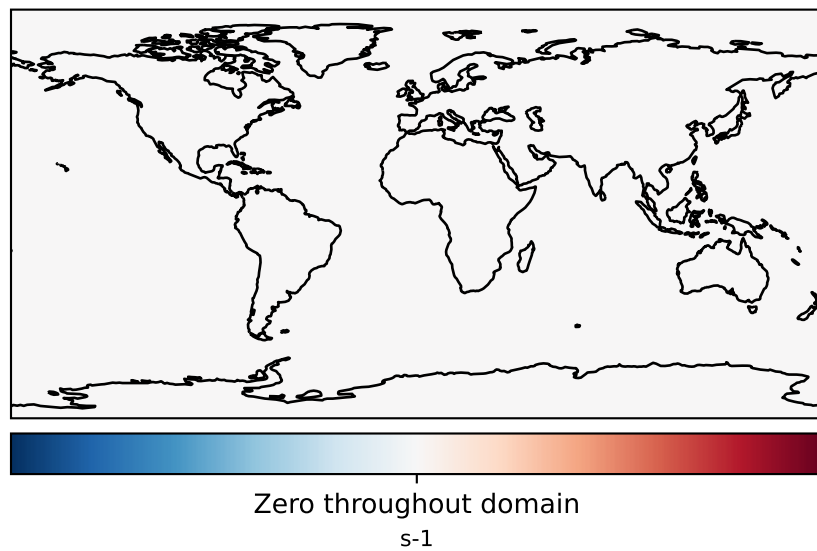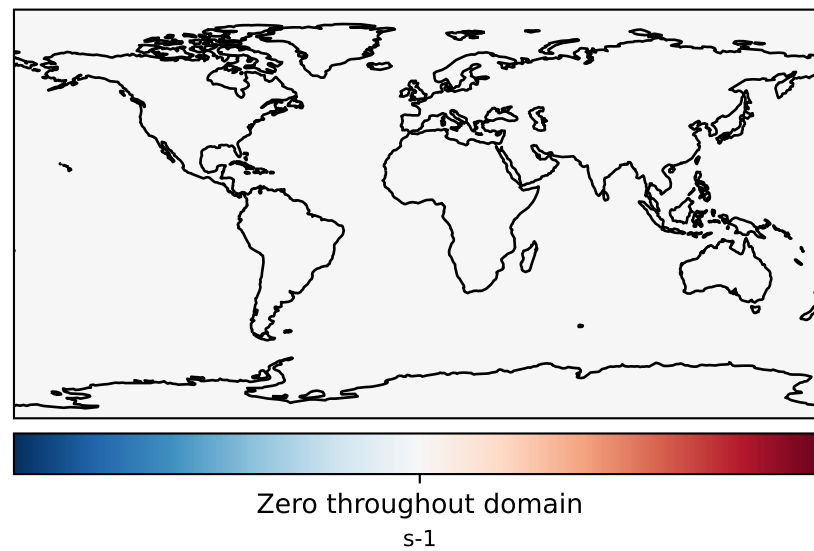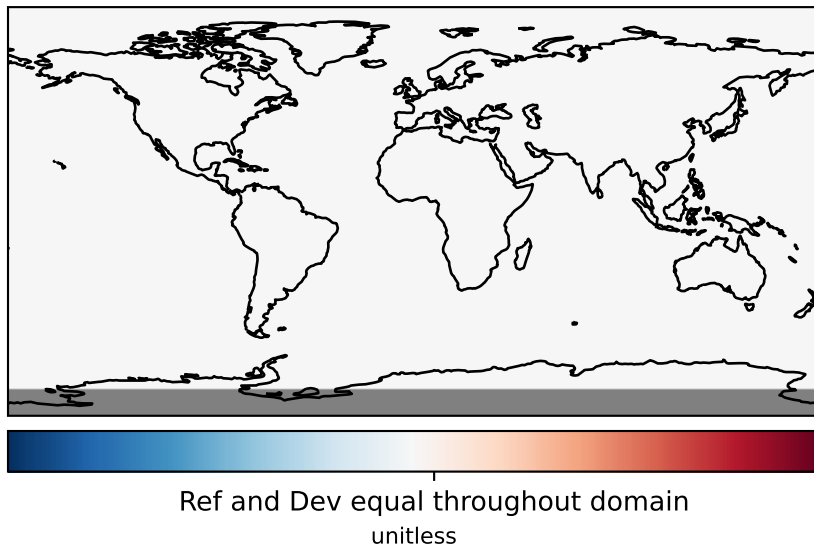s-1

Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

Ref and Dev equal throughout domain
unitless

Jval_MONITU

| gcc-4x5-1Mon-14.6.2 (Ref) | gcc-4x5-1Mon-14.6.3 (Dev) |
| 4.0x5.0 | 4.0x5.0 |

Difference
Dev - Ref, Dynamic Range

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

Zero throughout domain
s-1

Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

Ref and Dev equal throughout domain
unitless

Jval_MP

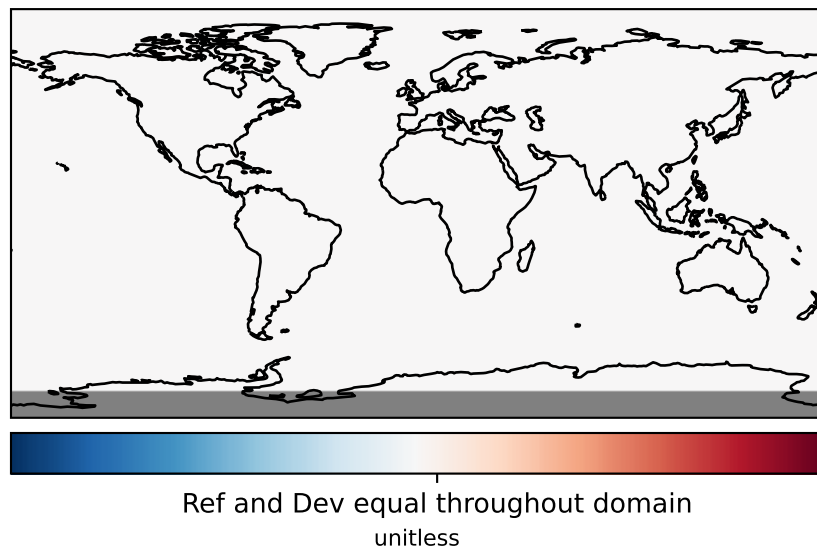gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0

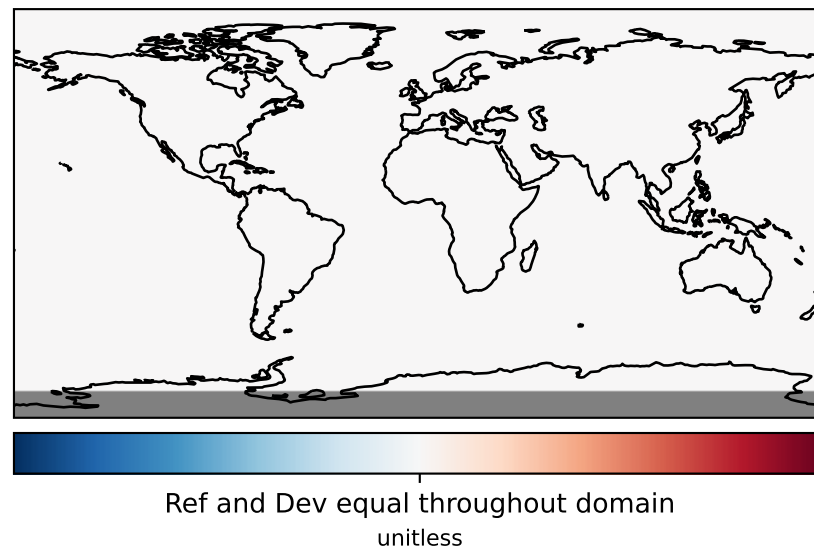gcc-4x5-1Mon-14.6.3 (Dev)
4.0x5.0

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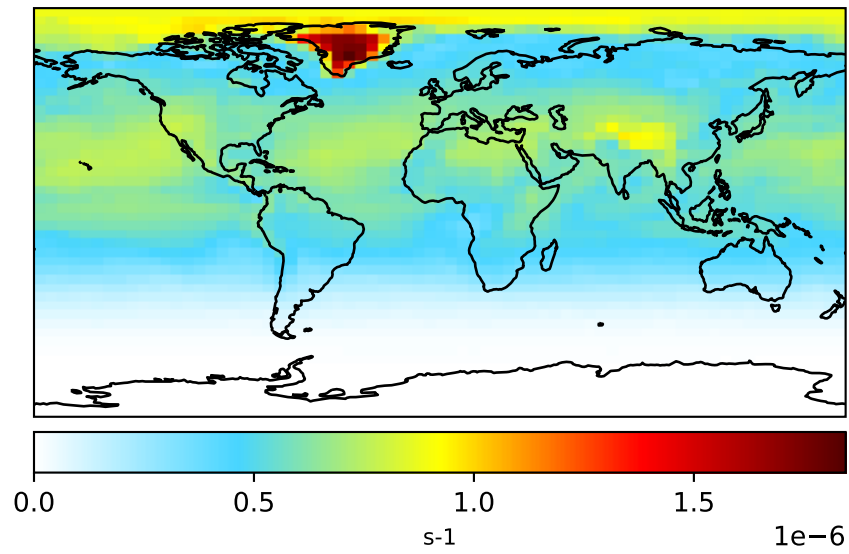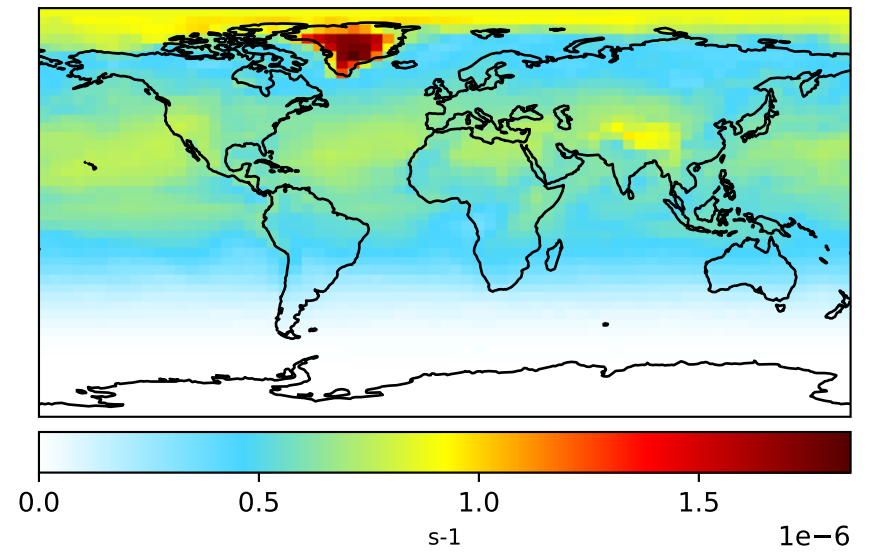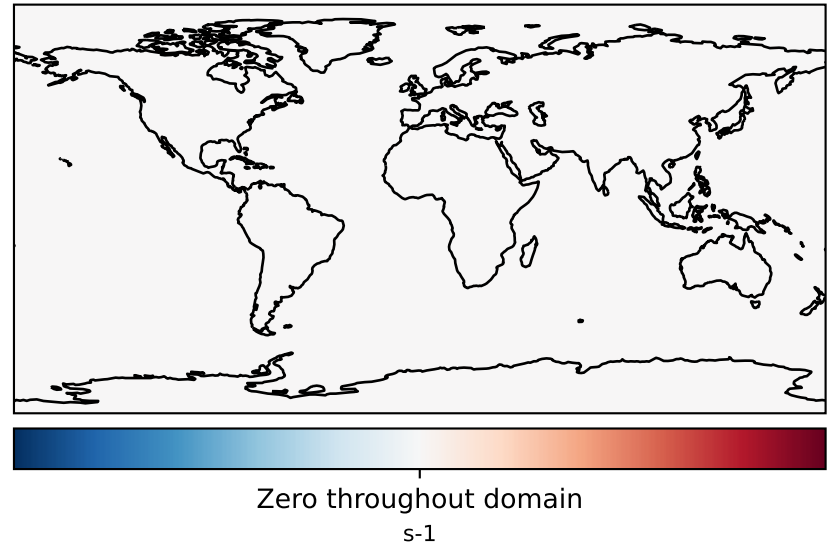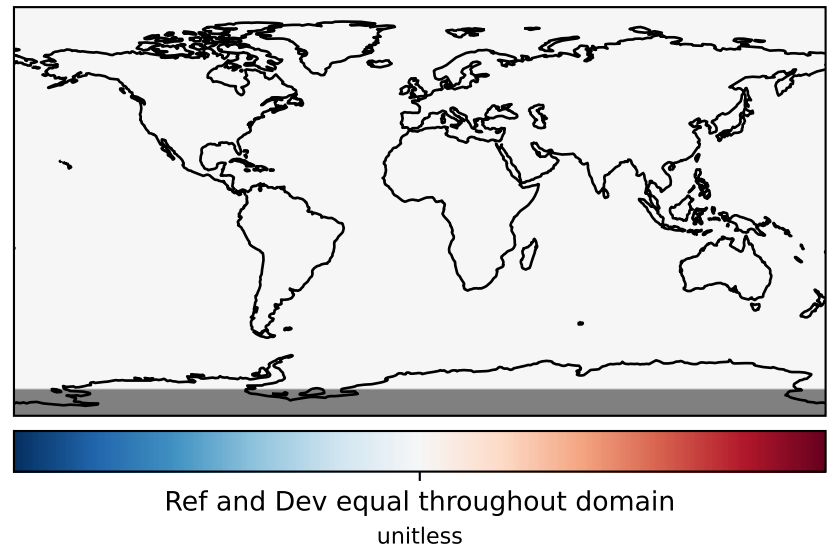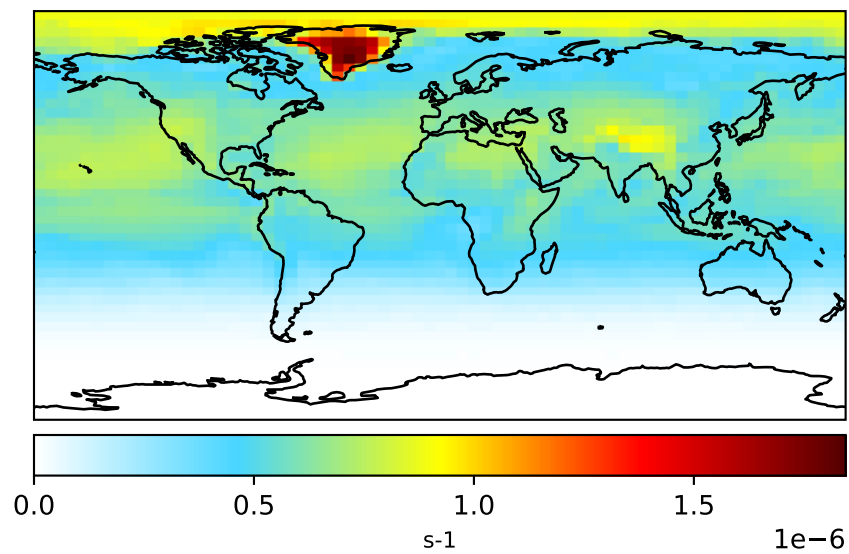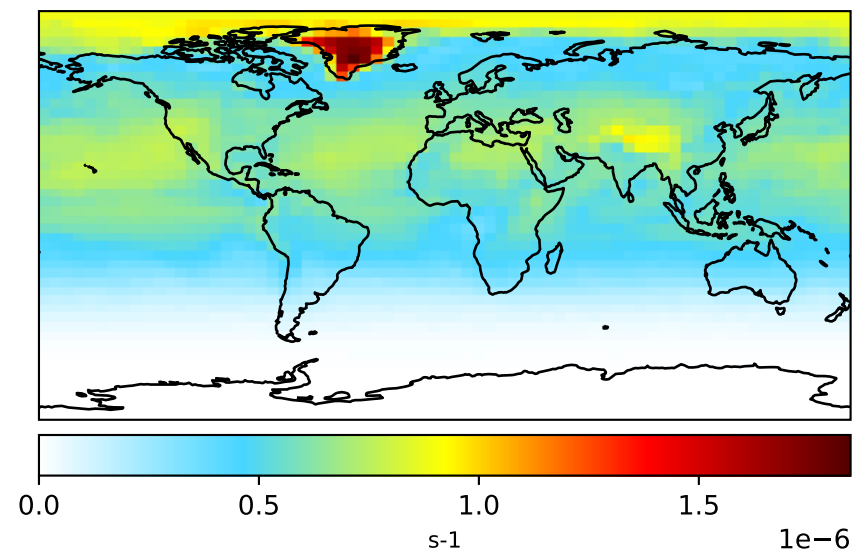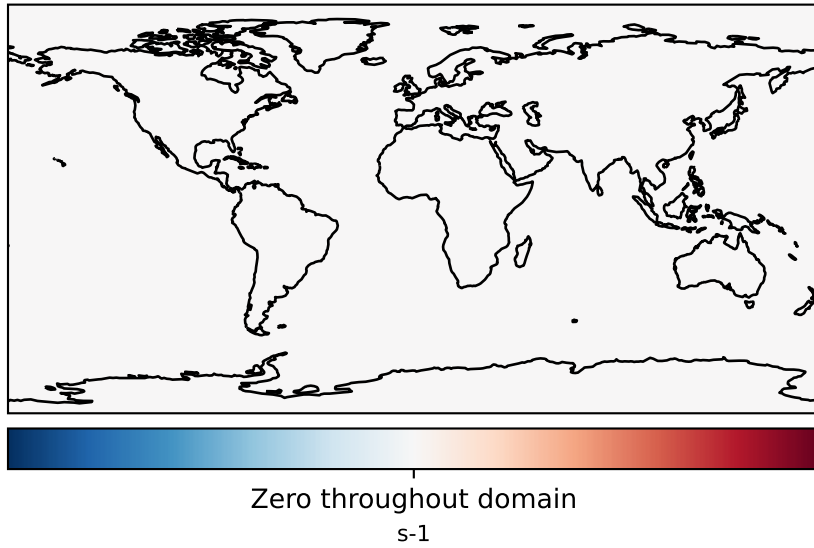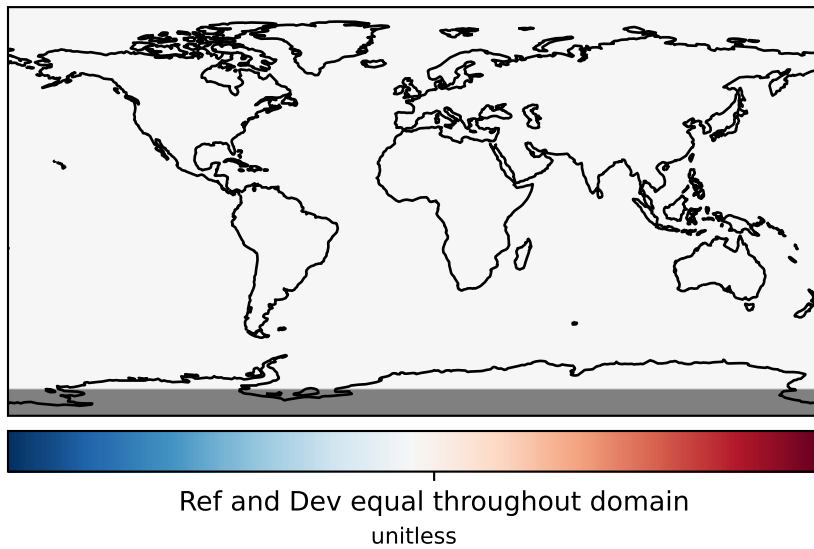
Difference
Dev - Ref, Restricted Range [5%,95%]

Zero throughout domain
s-1

Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

Ref and Dev equal throughout domain
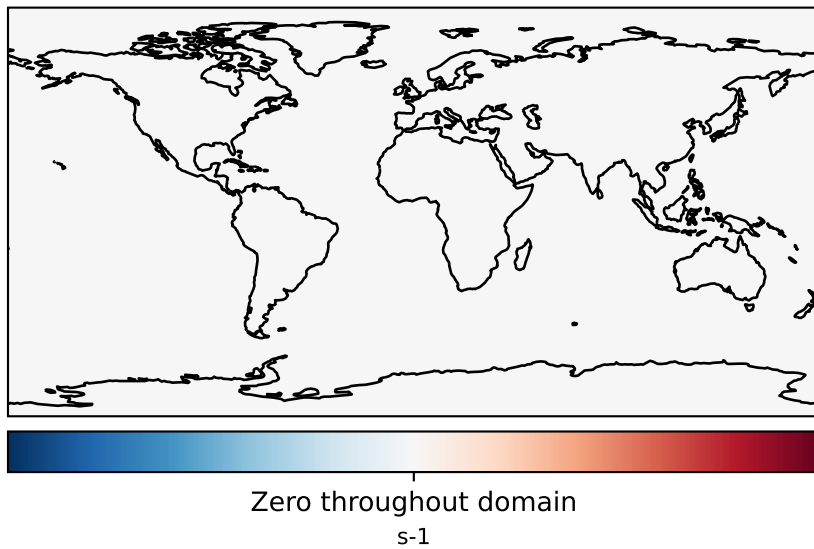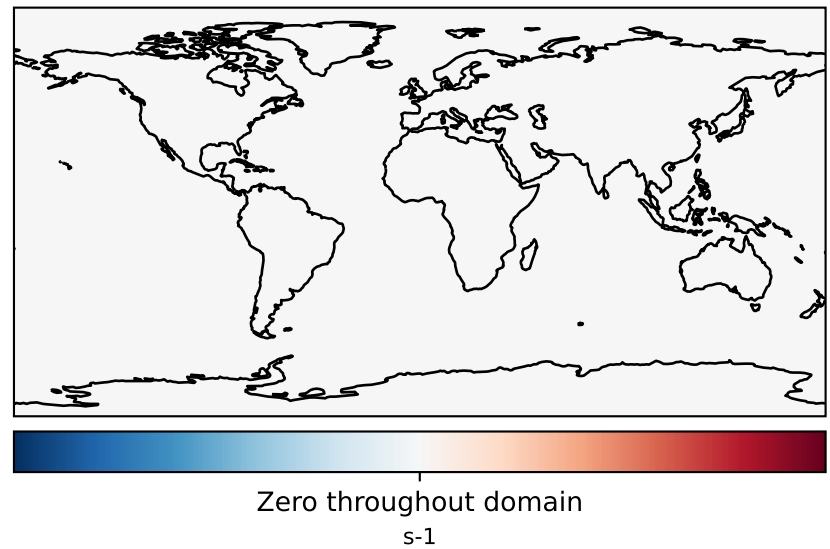unitless

Jval_MPN

gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0

gcc-4x5-1Mon-14.6.3 (Dev)
4.0x5.0

s-1

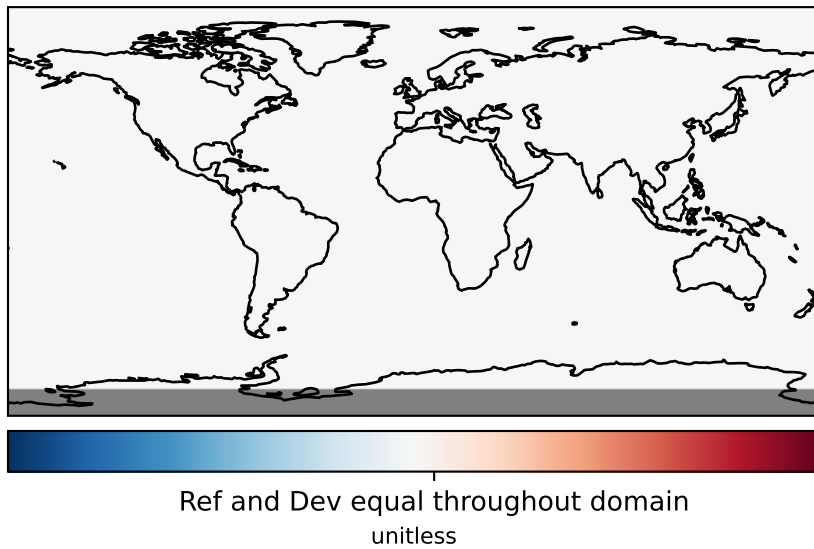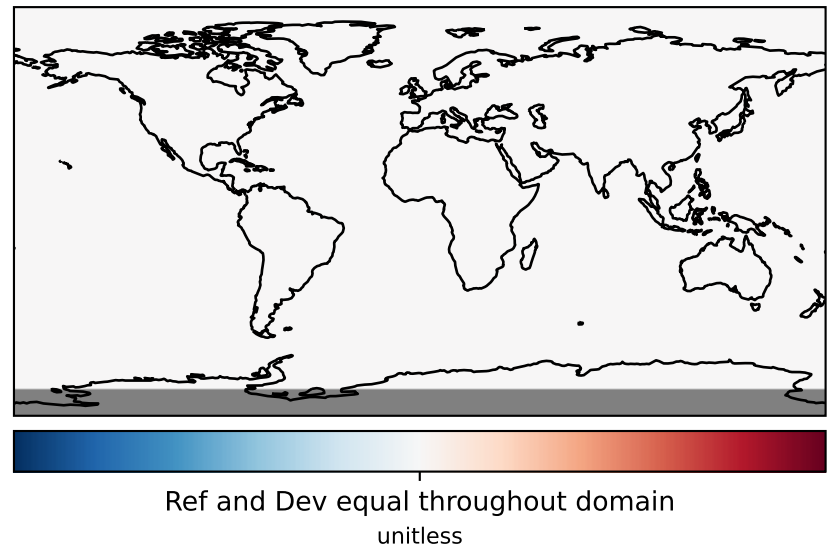s-1

Difference
Dev - Ref, Dynamic Range

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

Zero throughout domain
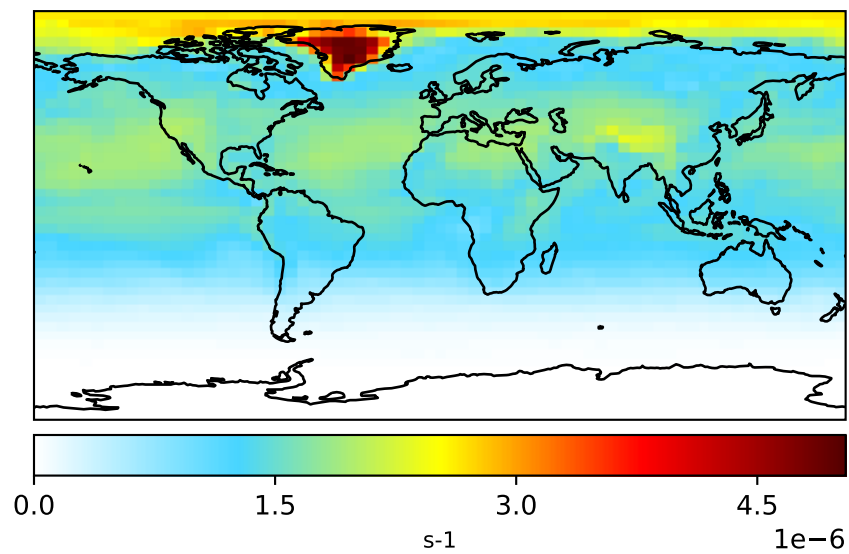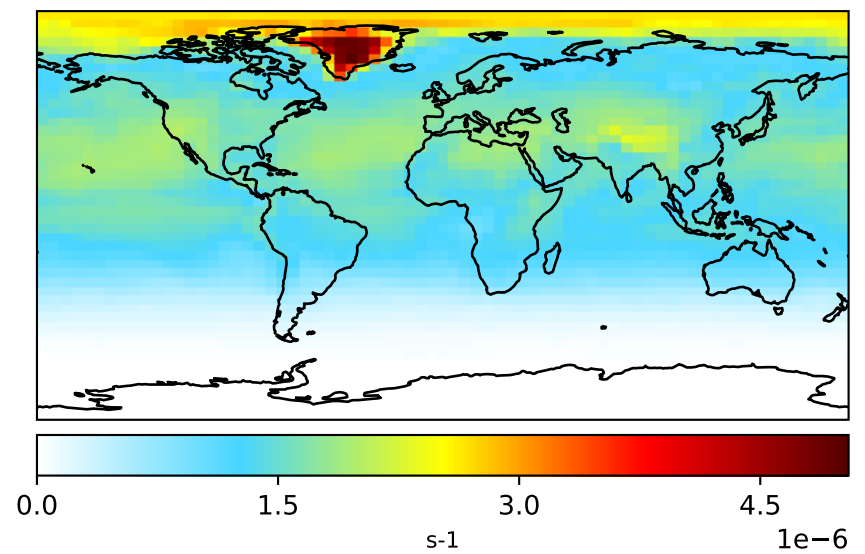s-1

Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

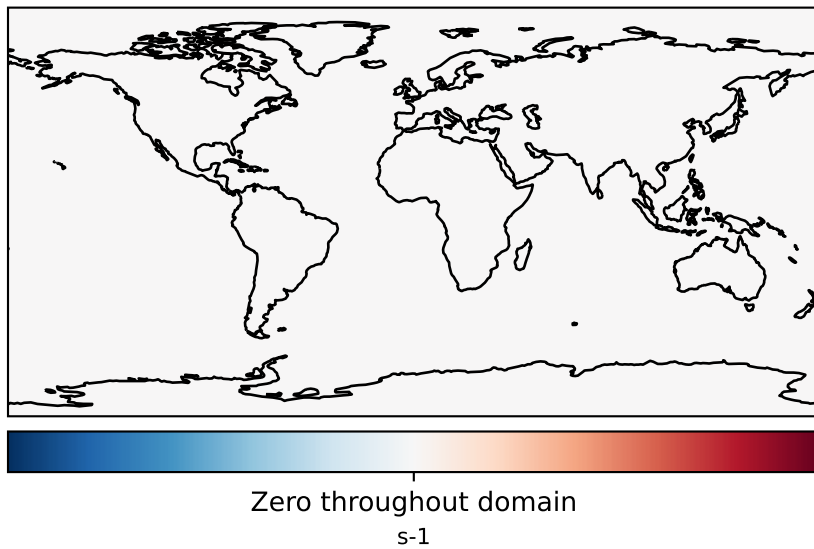Ref and Dev equal throughout domain
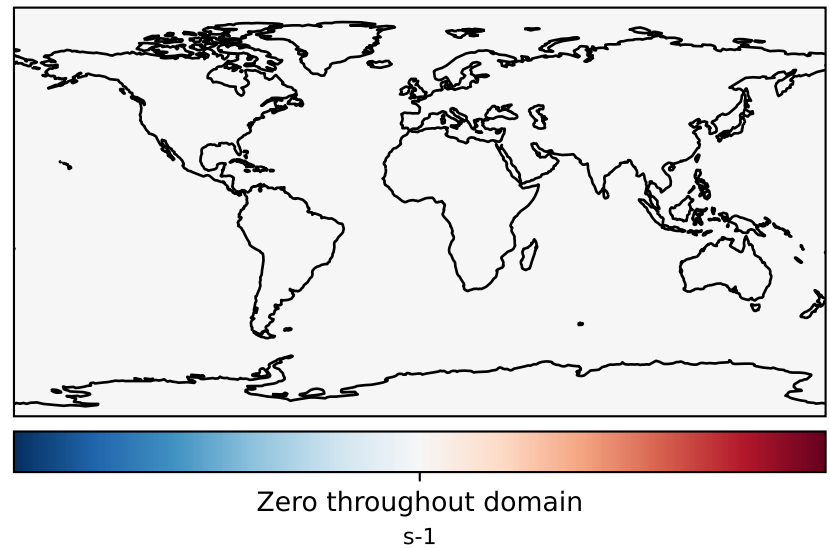unitless

Jval_MVK

gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0

gcc-4x5-1Mon-14.6.3 (Dev)
4.0x5.0

s-1

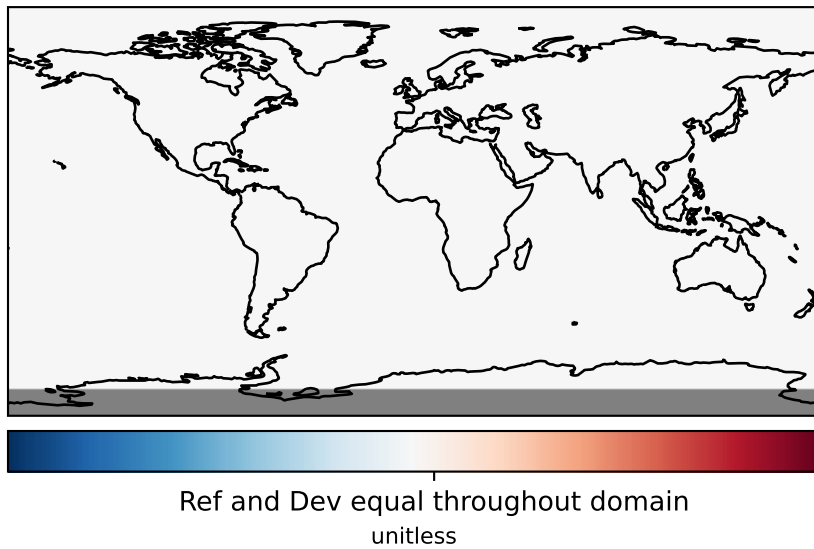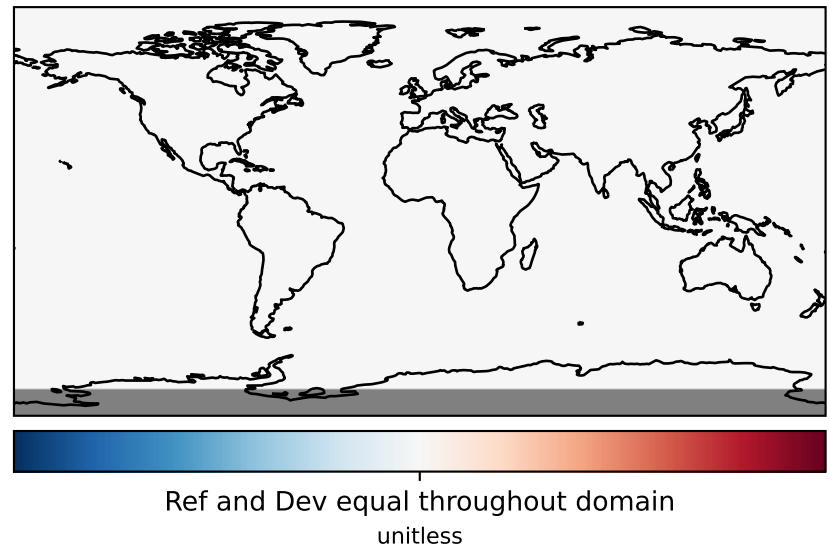s-1

Difference
Dev - Ref, Dynamic Range

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

Zero throughout domain
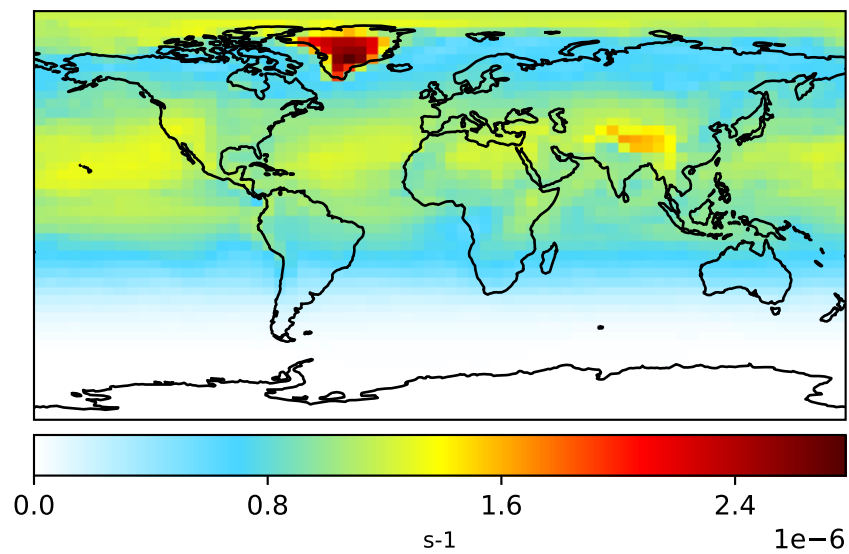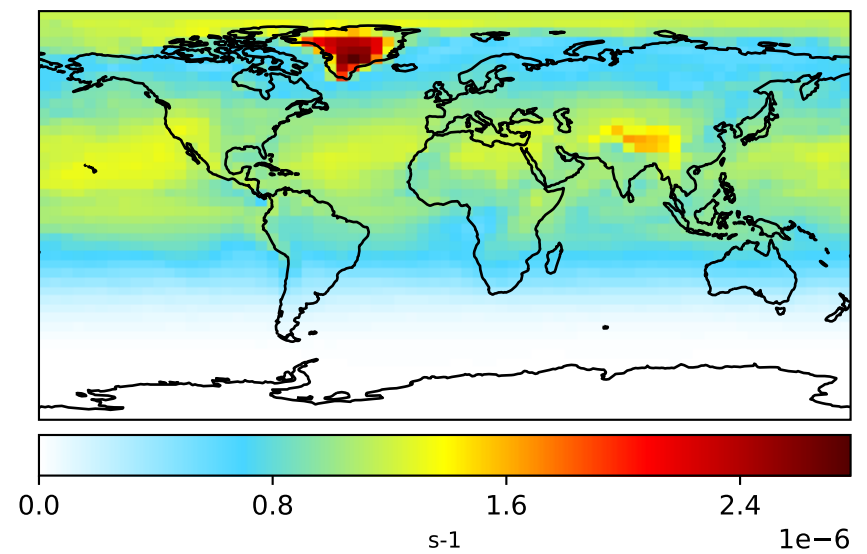s-1

Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

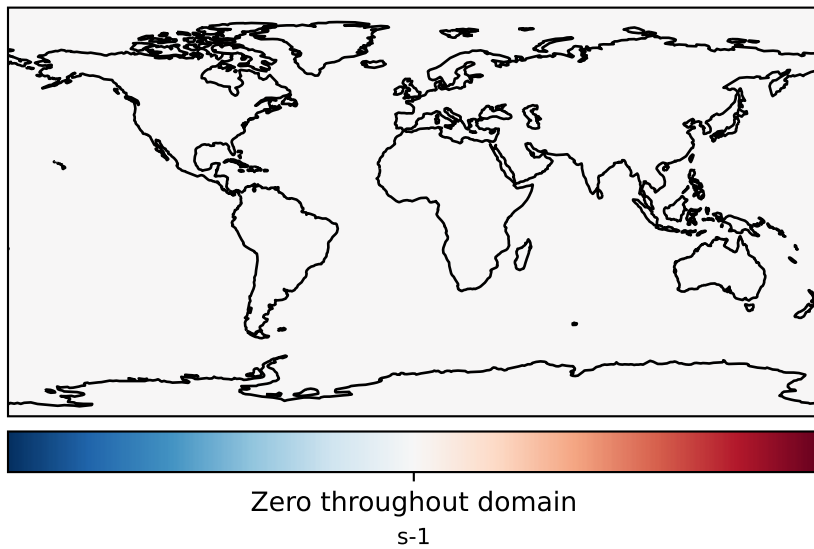Ref and Dev equal throughout domain
unitless

Jval_MVKHC

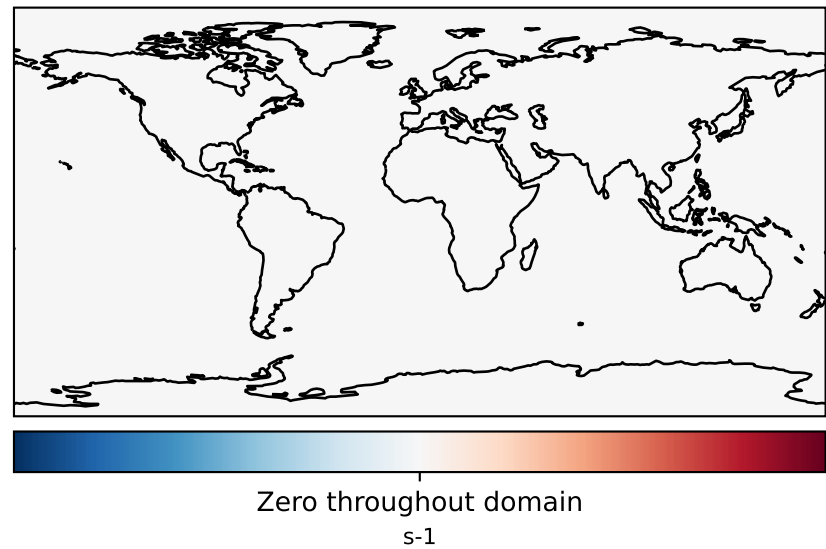gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0

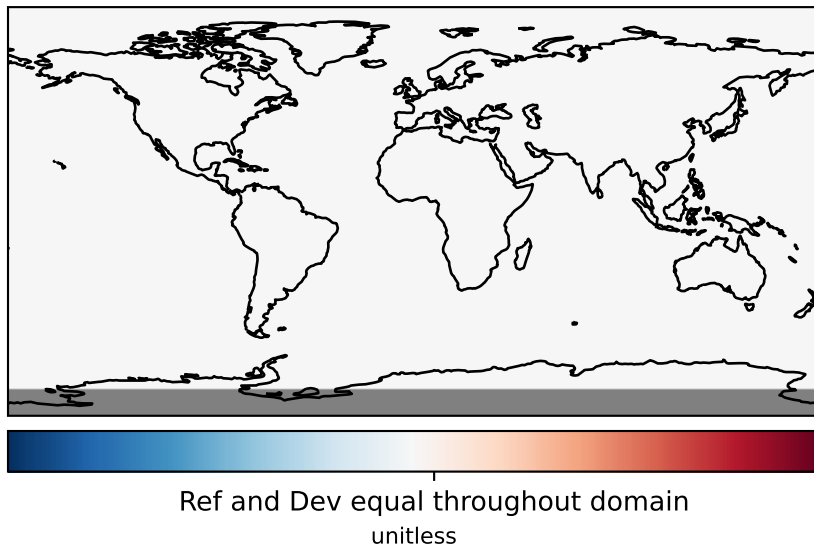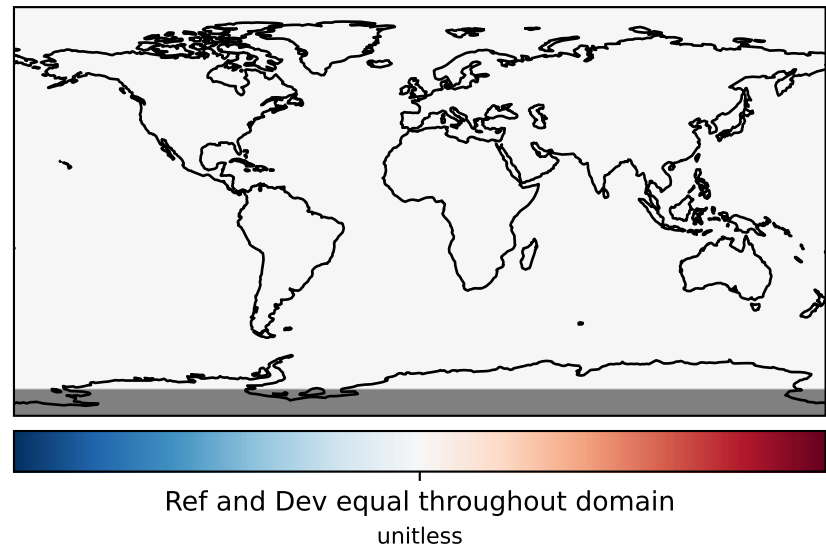gcc-4x5-1Mon-14.6.3 (Dev)
4.0x5.0

s-1

s-1

Difference
Dev - Ref, Dynamic Range

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

Zero throughout domain
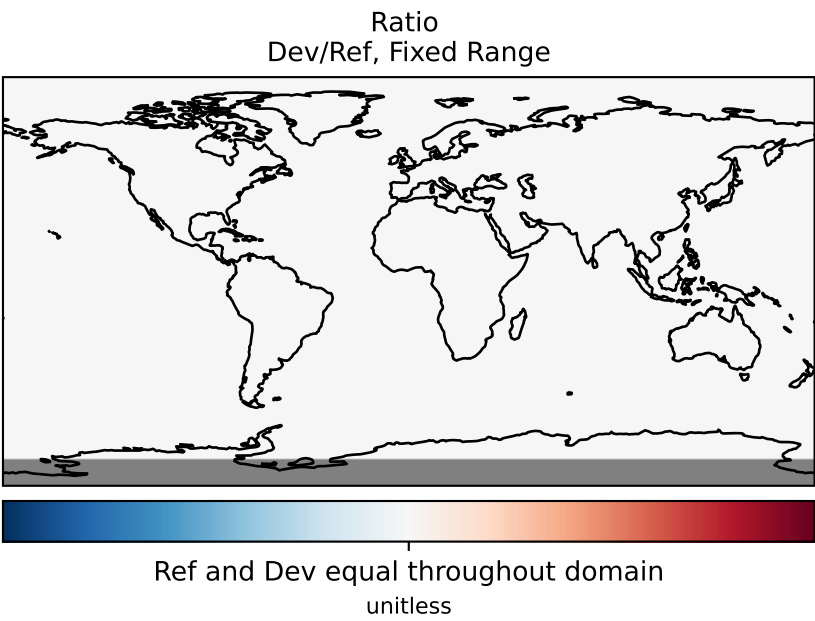s-1

Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

Ref and Dev equal throughout domain
unitless

Jval_MVKHCB

Jval_MVKHP

Jval_MVKN

gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0

gcc-4x5-1Mon-14.6.3 (Dev)
4.0x5.0

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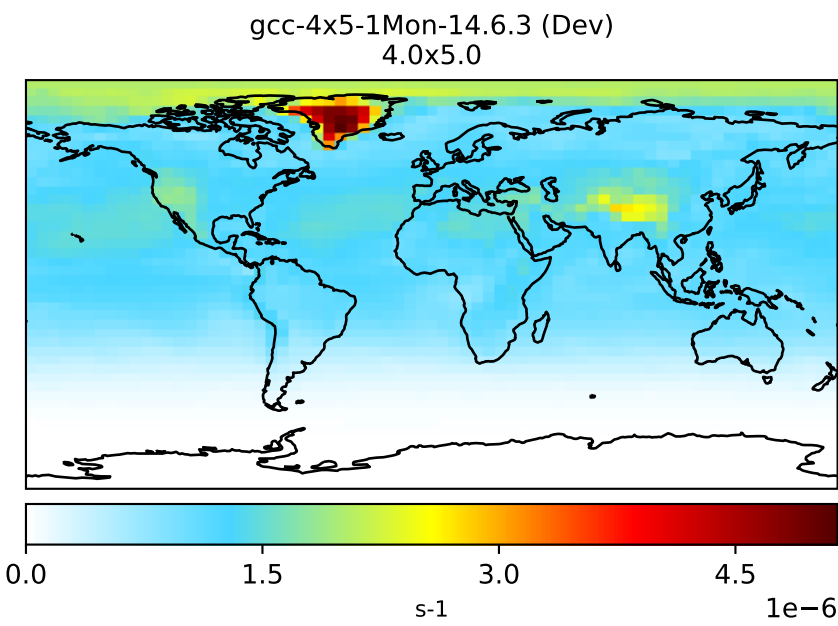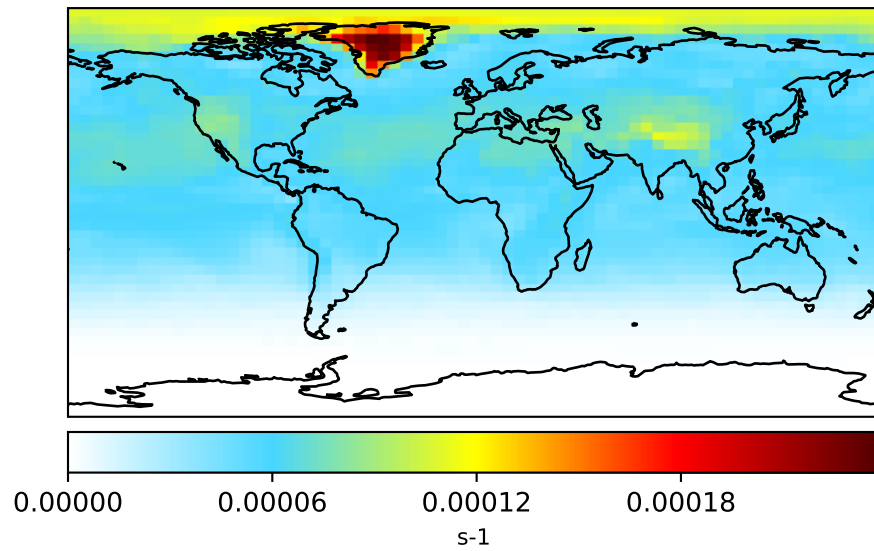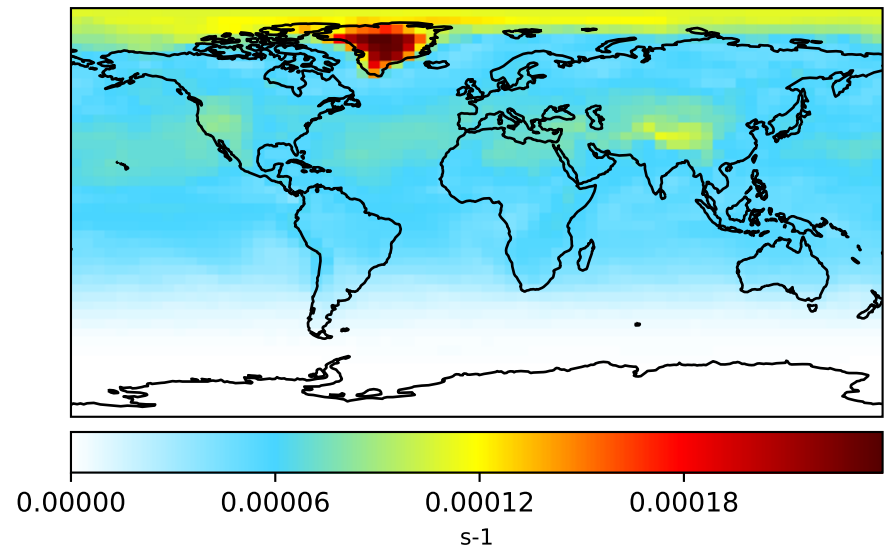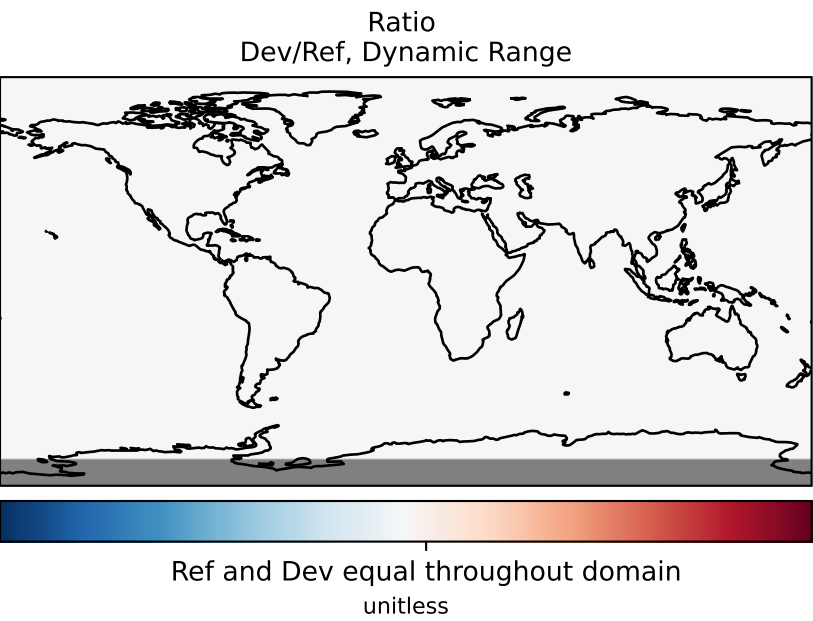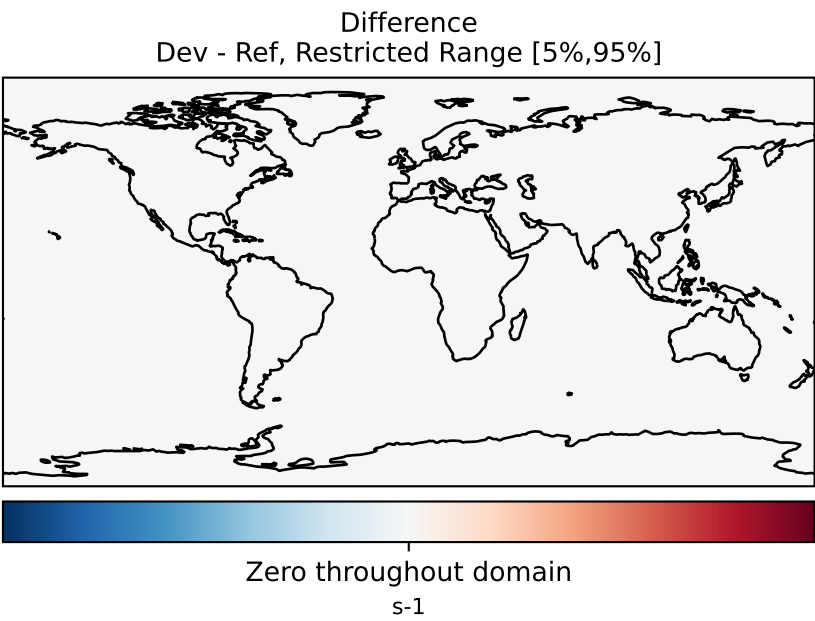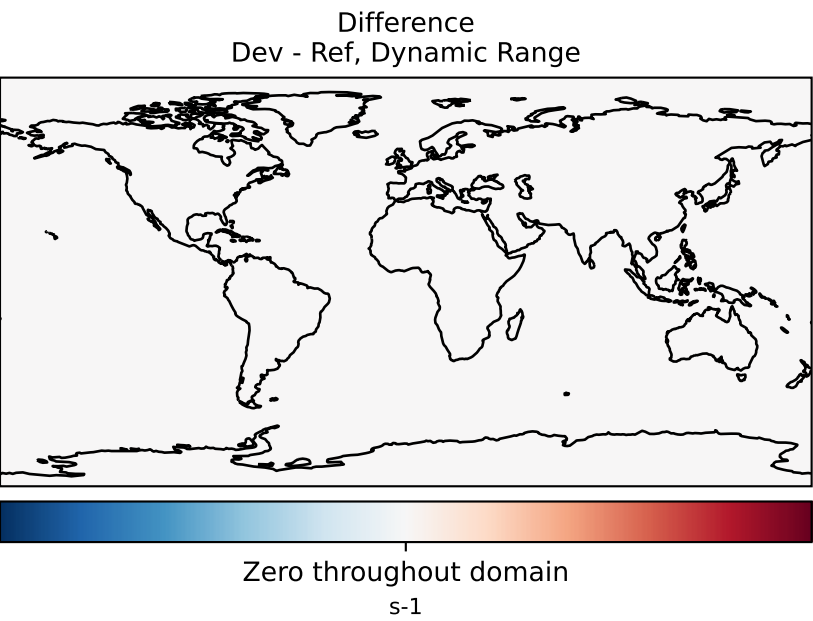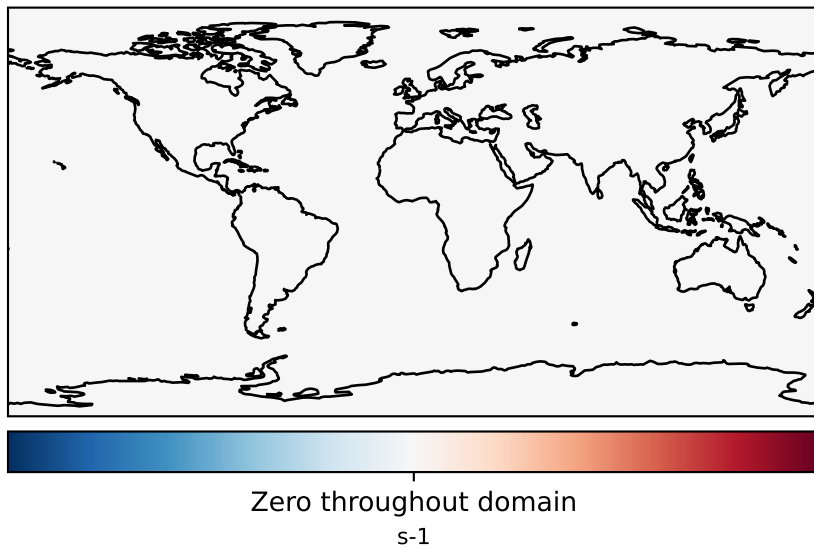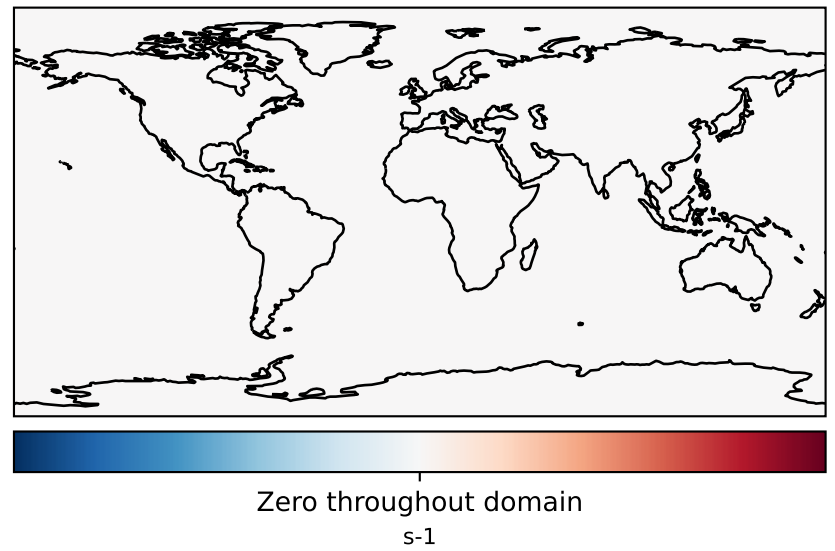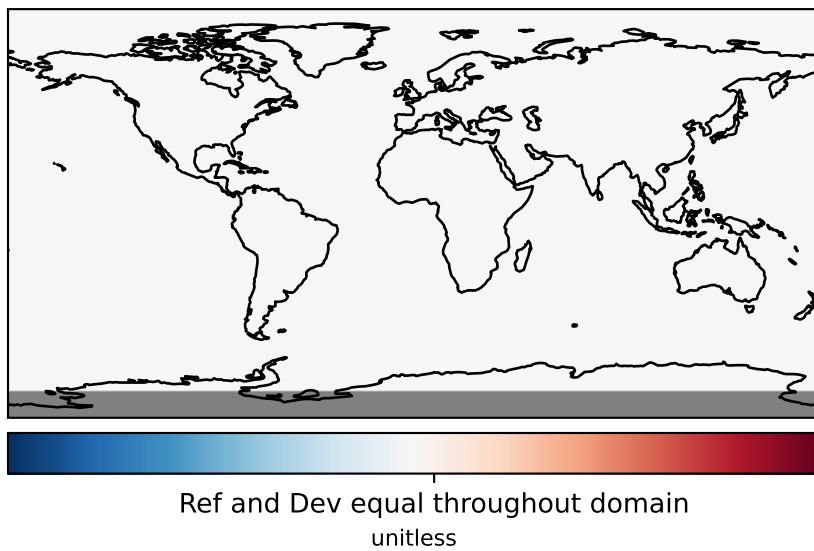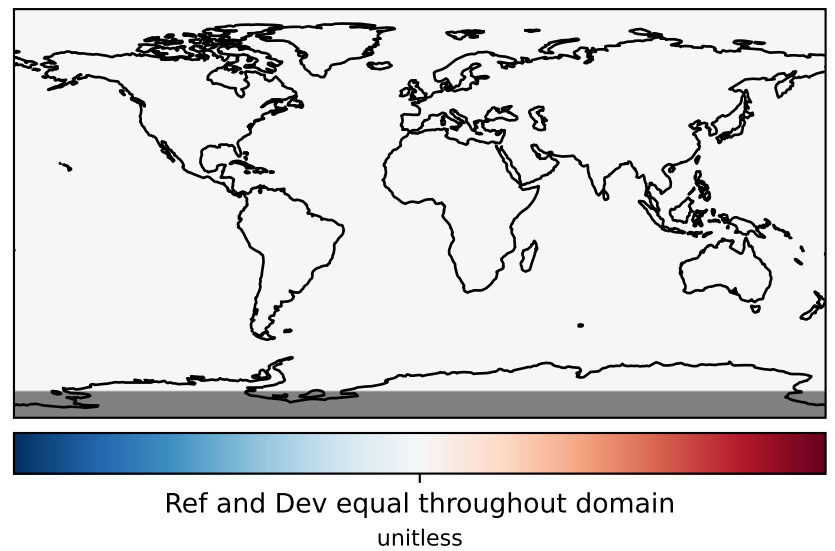
Difference
Dev - Ref, Restricted Range [5%,95%]

Zero throughout domain
s-1

Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

Ref and Dev equal throughout domain
unitless

Jval_MVKPC

gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0

gcc-4x5-1Mon-14.6.3 (Dev)
4.0x5.0

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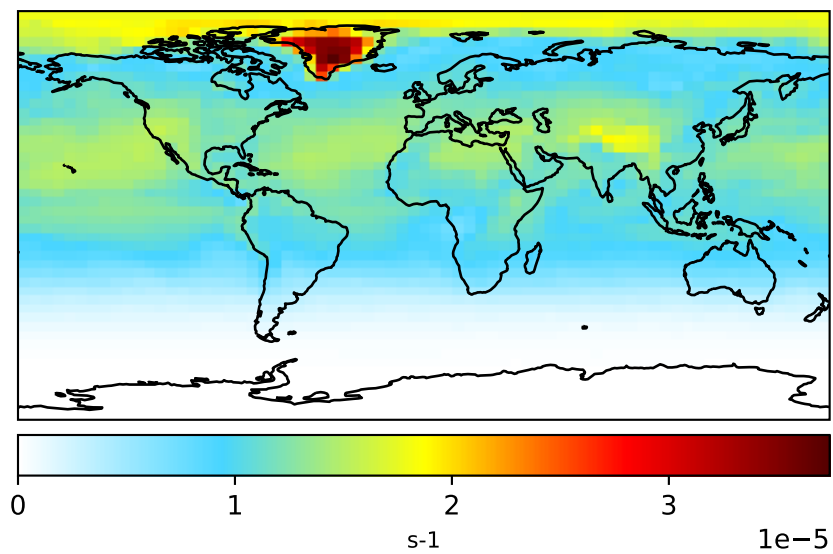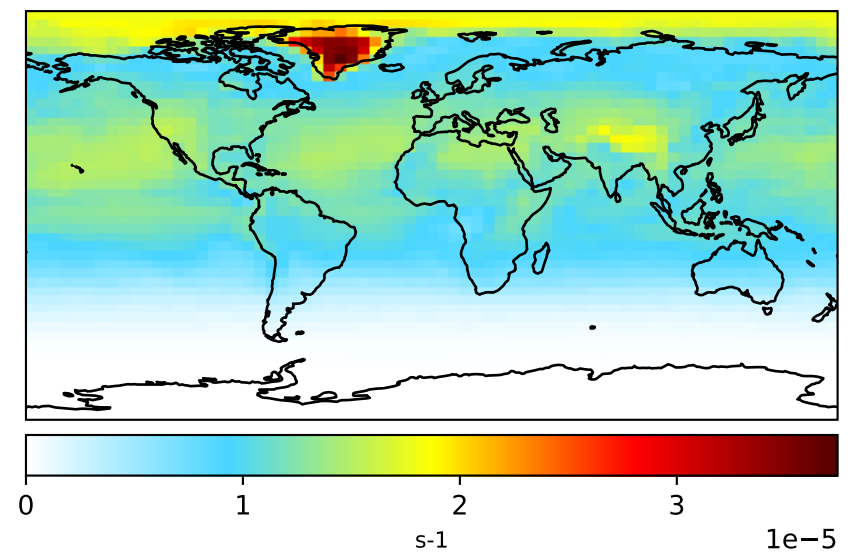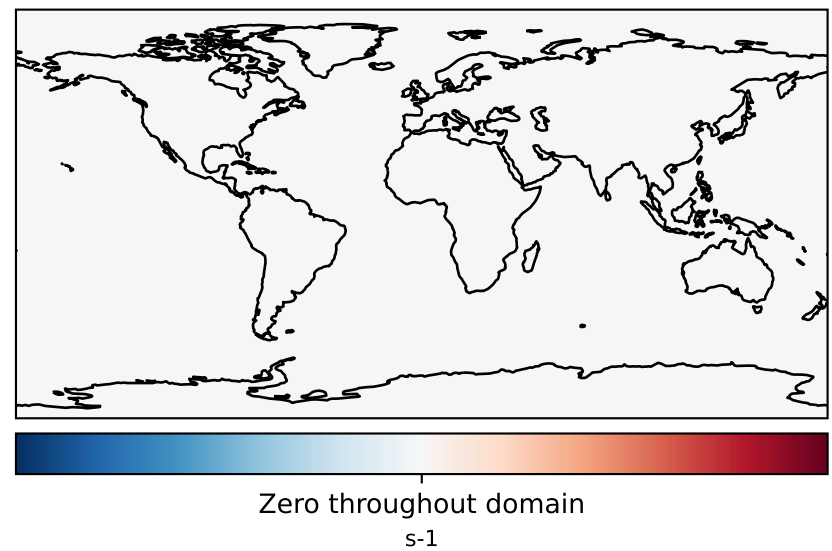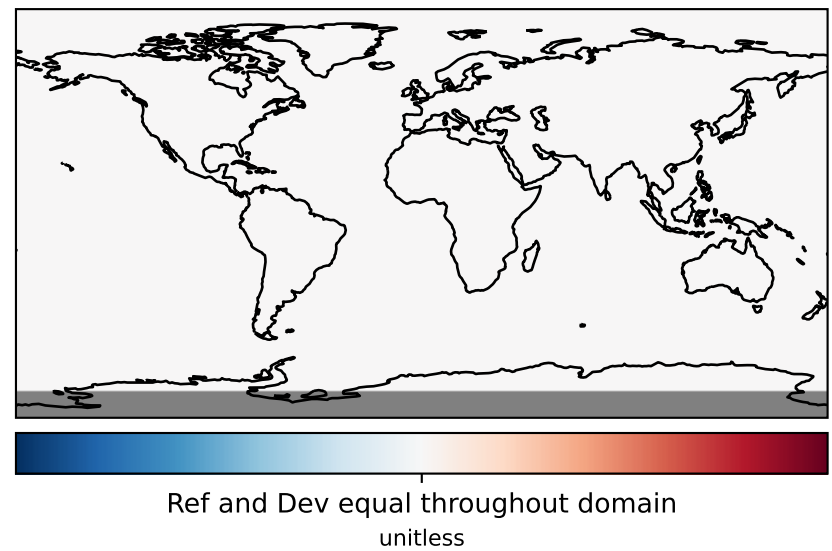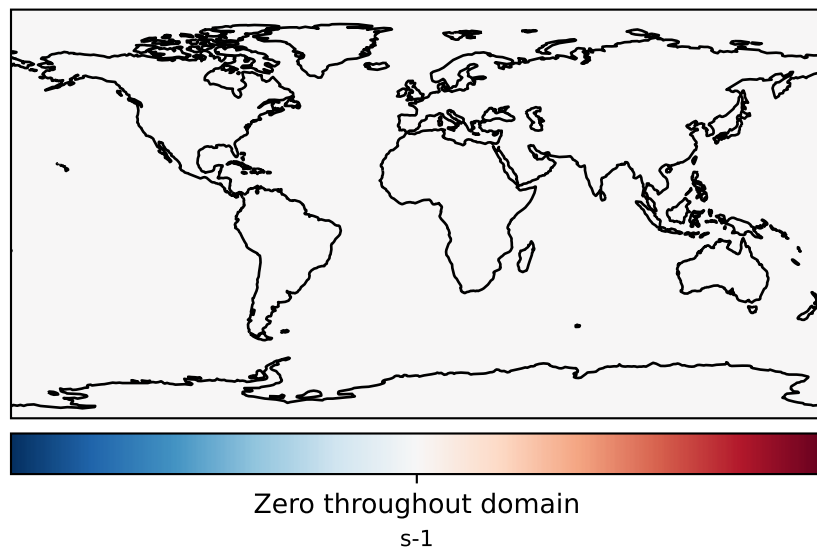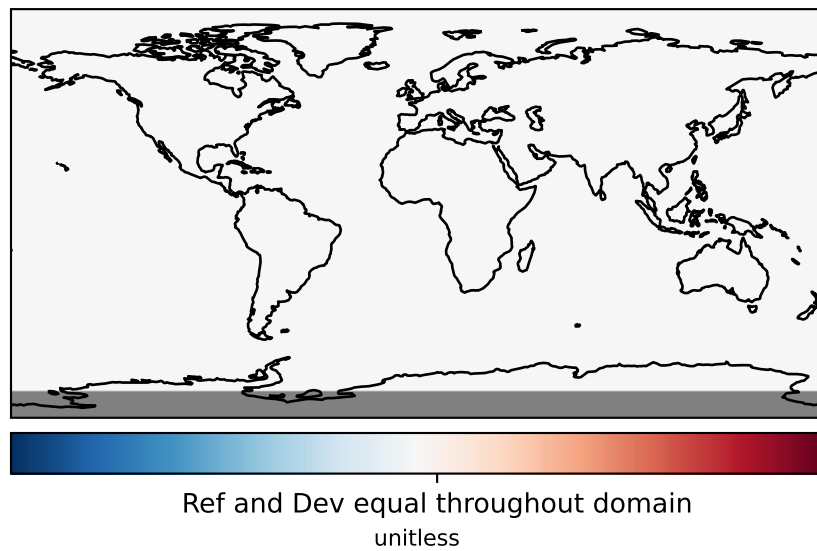
Difference
Dev - Ref, Restricted Range [5%,95%]

Zero throughout domain
s-1
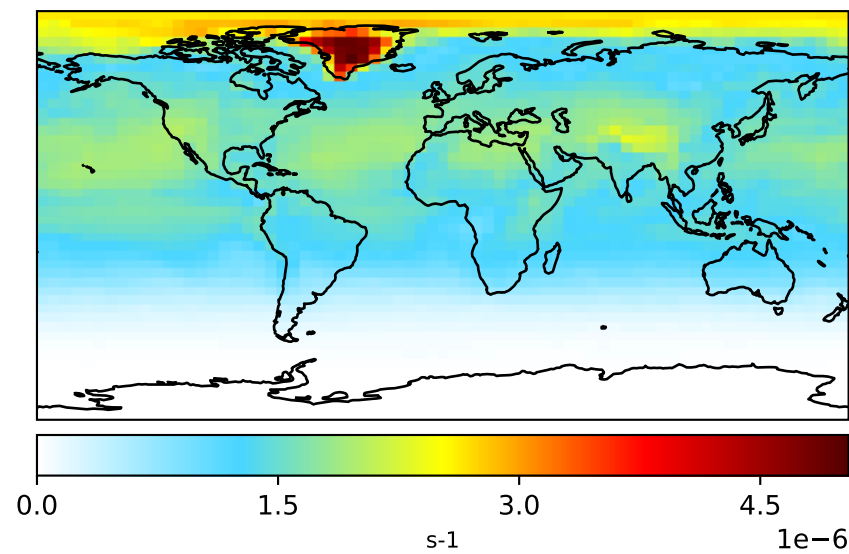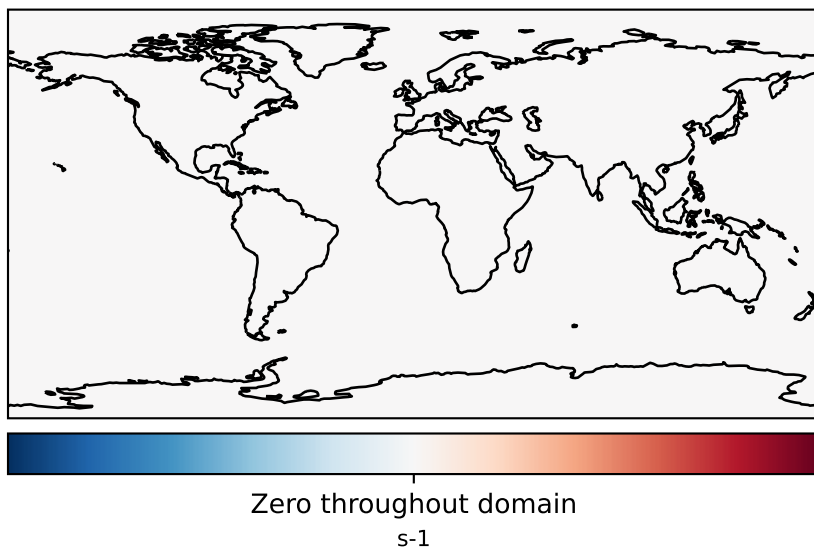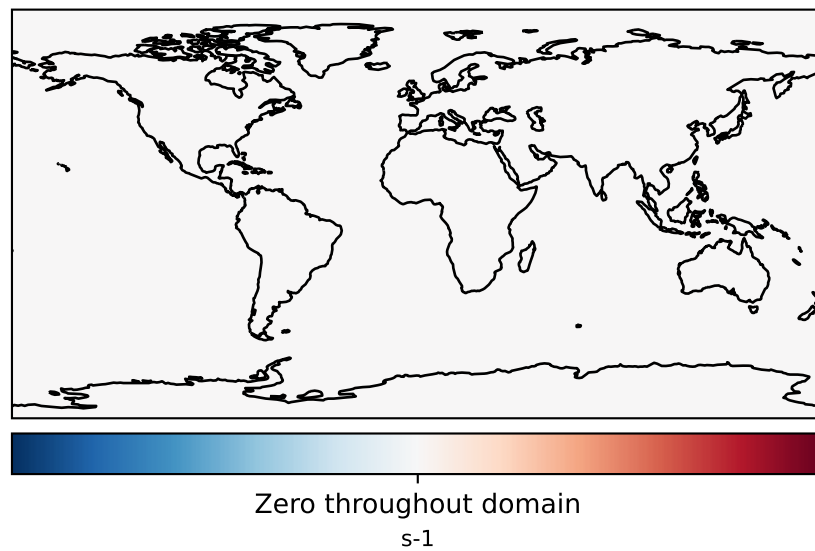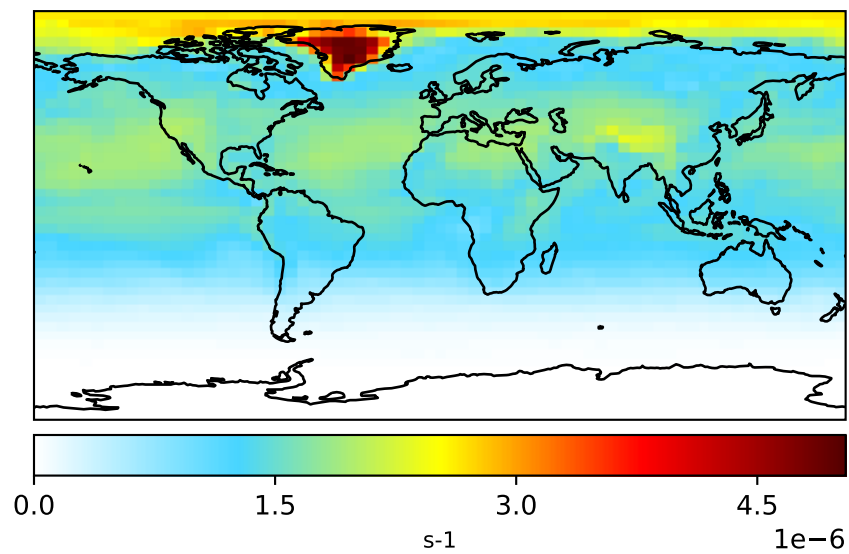
Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

Ref and Dev equal throughout domain
unitless

Jval_N2O

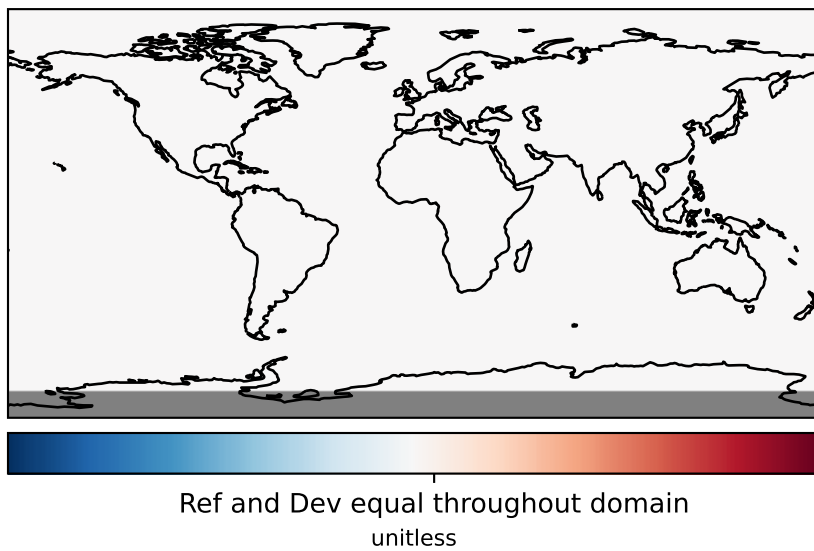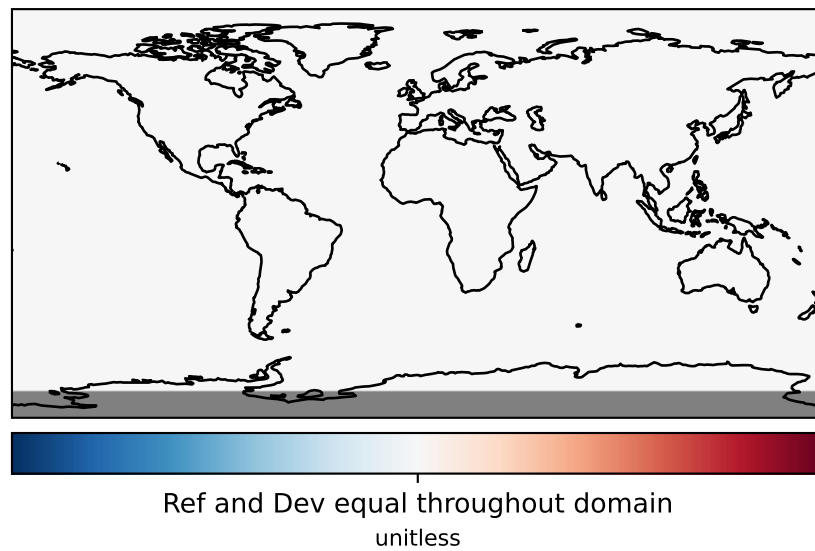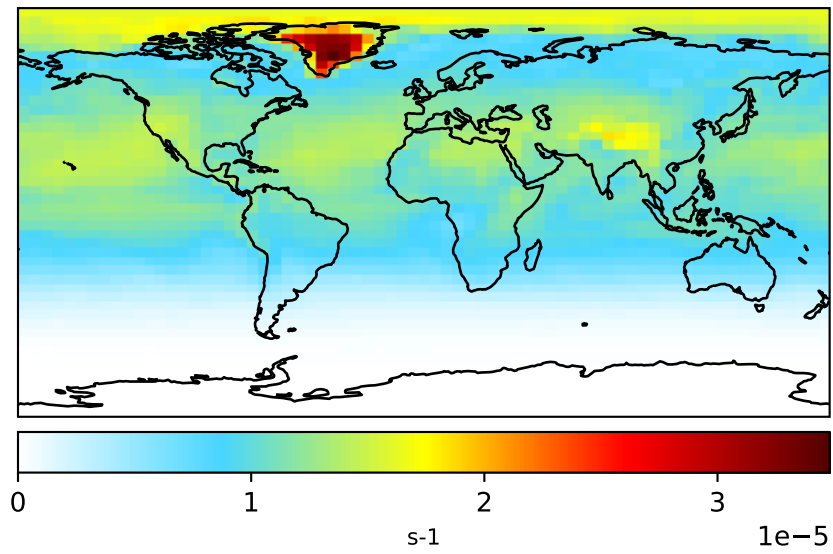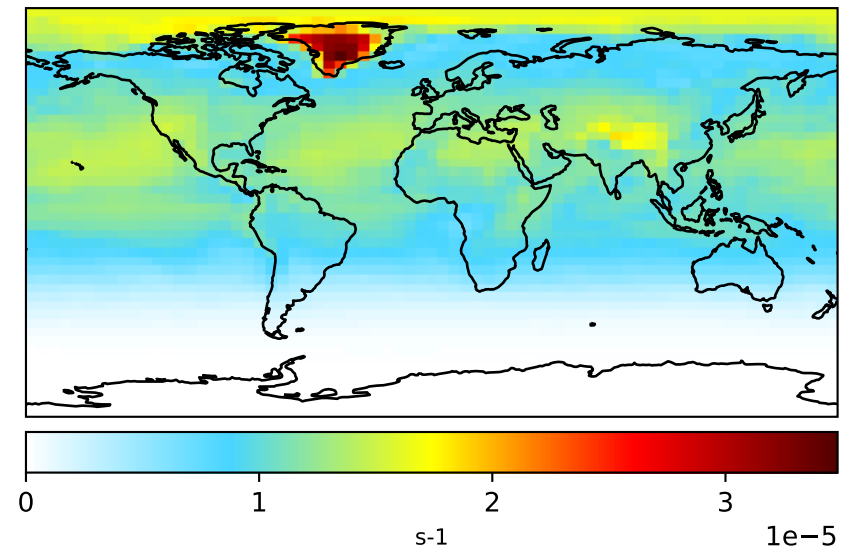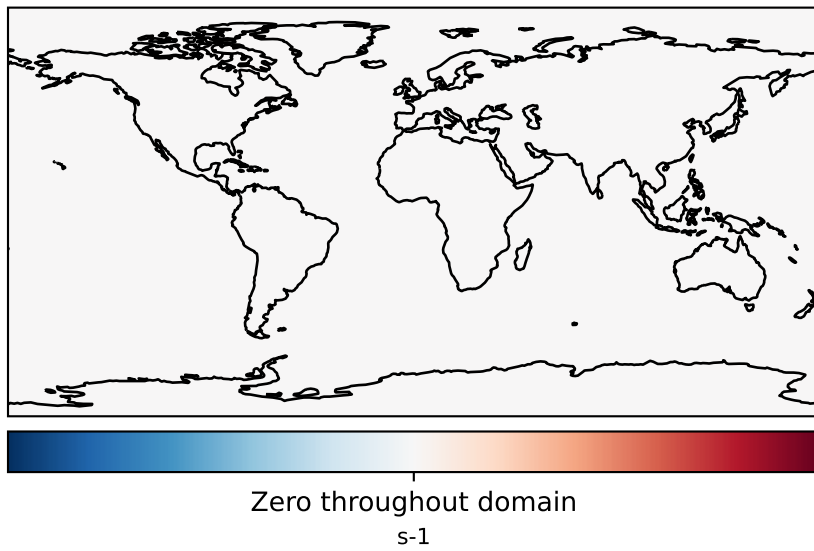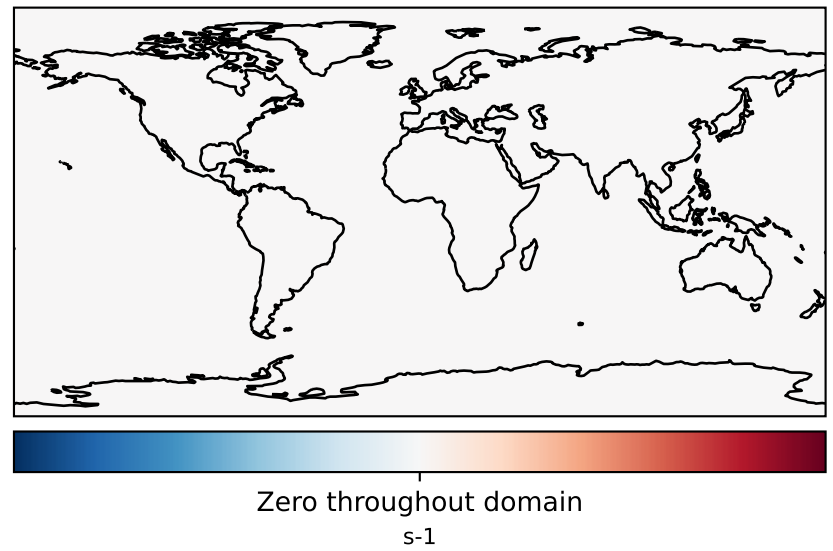gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0

gcc-4x5-1Mon-14.6.3 (Dev)
4.0x5.0

s-1   1e−19

s-1   1e−19

Difference
Dev - Ref, Dynamic Range

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

Zero throughout domain
s-1

Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

Ref and Dev equal throughout domain
unitless

Jval_N2O5

gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0

gcc-4x5-1Mon-14.6.3 (Dev)
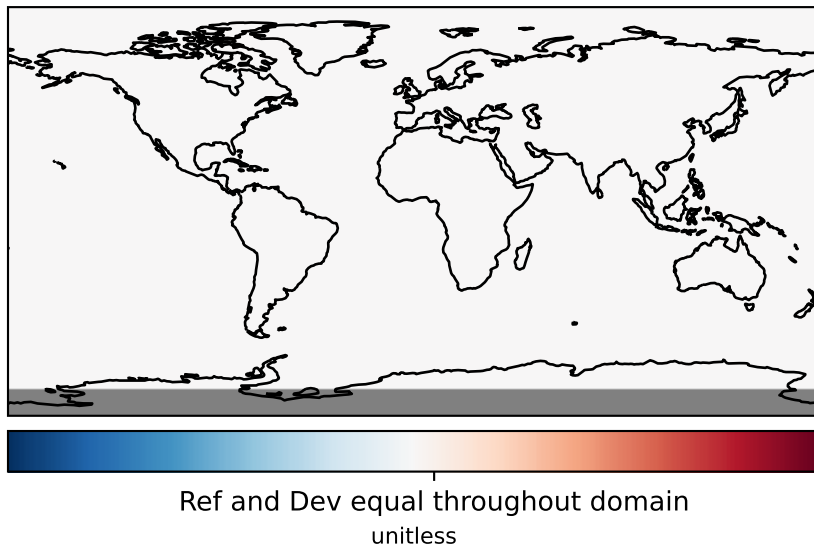4.0x5.0
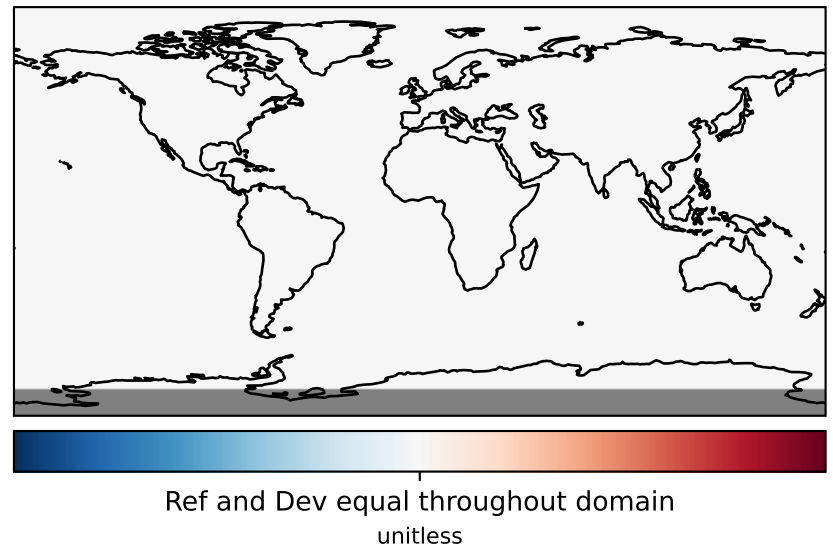
s-1   1e−5

s-1   1e−5

Difference
Dev − Ref, Dynamic Range

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

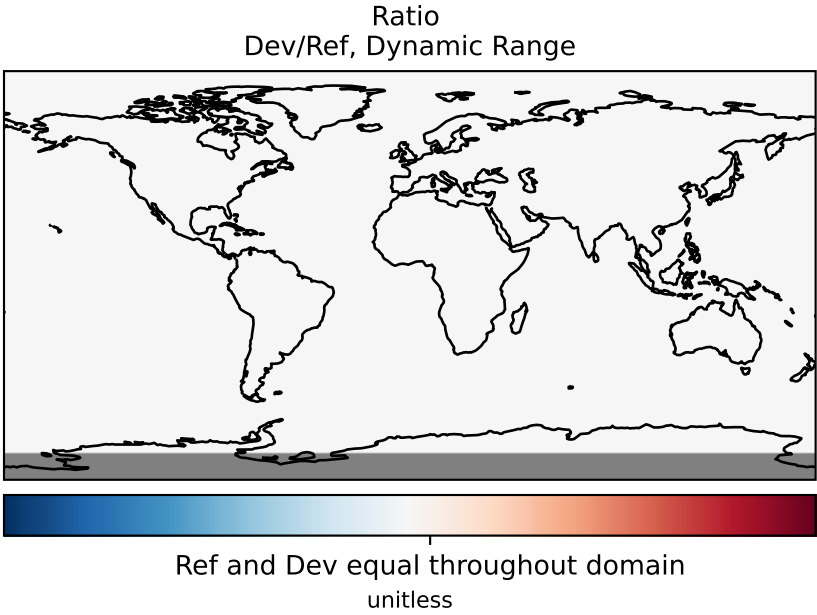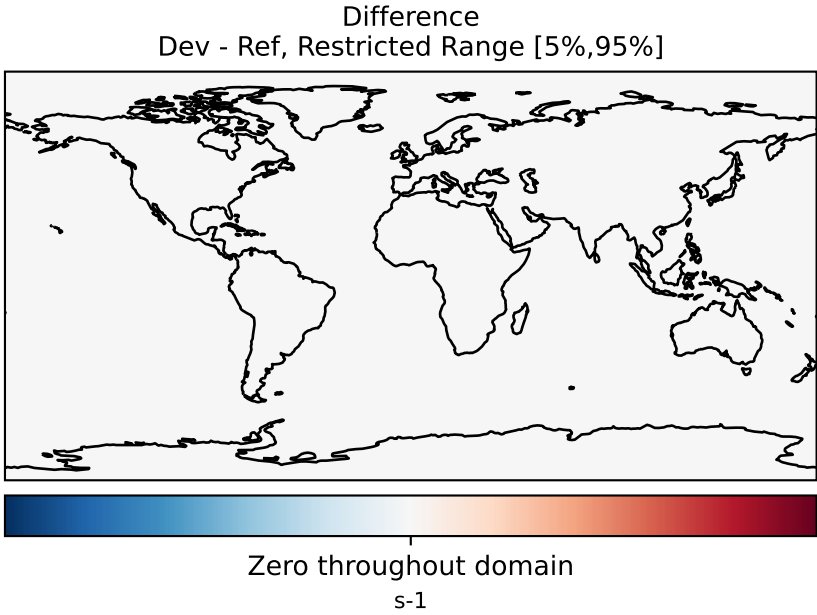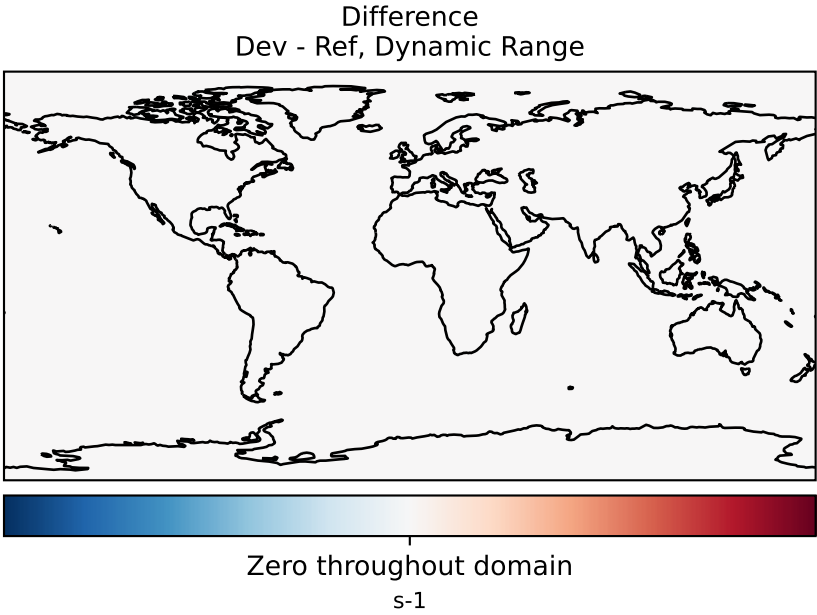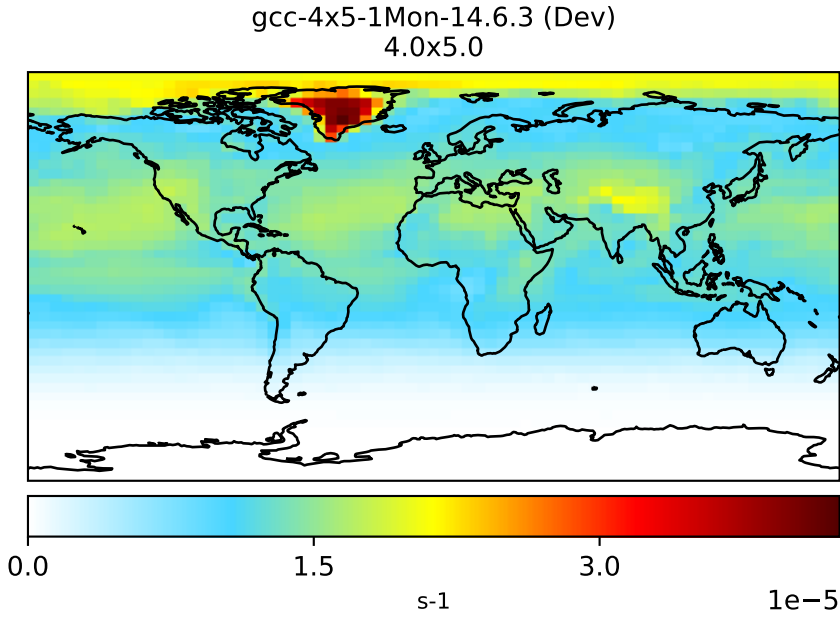Zero throughout domain
s-1

Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

Ref and Dev equal throughout domain
unitless
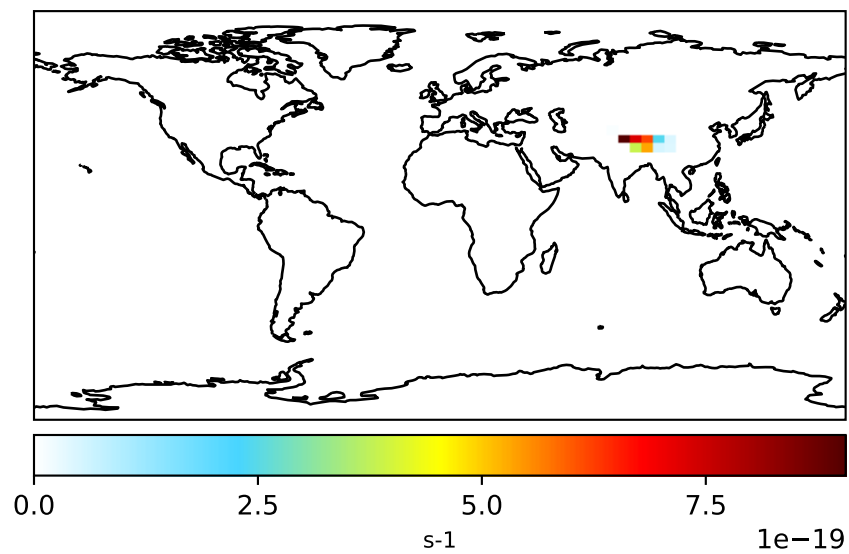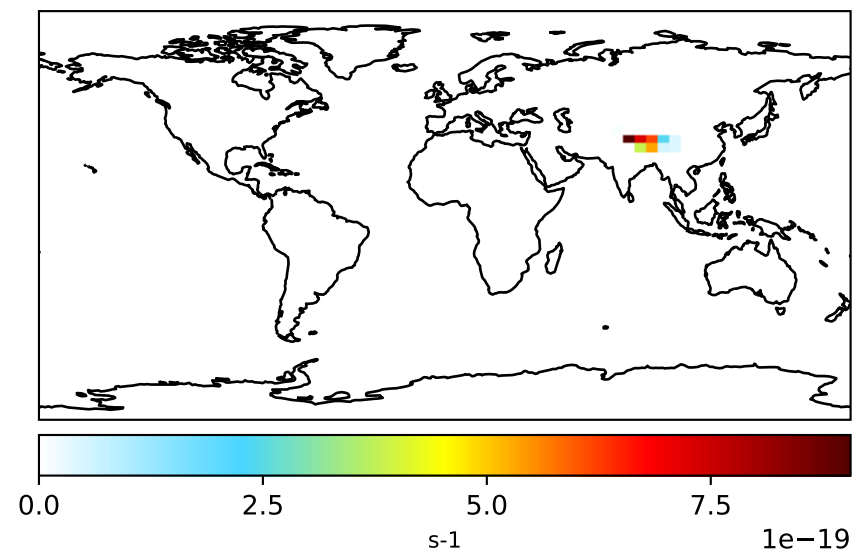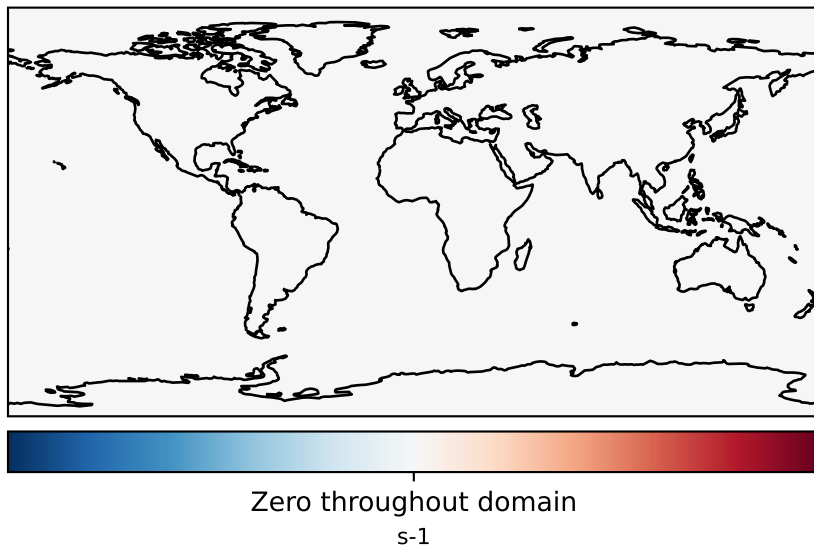
Jval_NIT

gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0
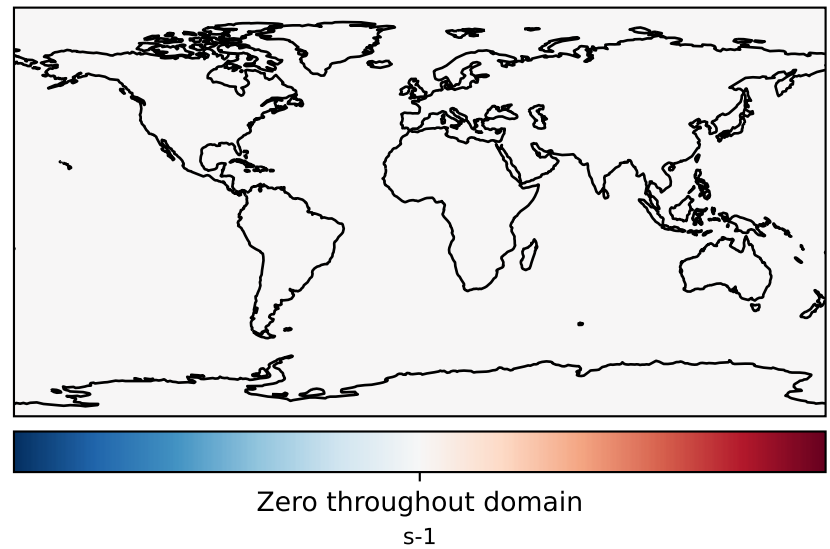
gcc-4x5-1Mon-14.6.3 (Dev)
4.0x5.0

s-1

s-1

Difference
Dev - Ref, Dynamic Range

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

Zero throughout domain
s-1

Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

Ref and Dev equal throughout domain
unitless

Jval_NITs

gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0

gcc-4x5-1Mon-14.6.3 (Dev)
4.0x5.0

s-1
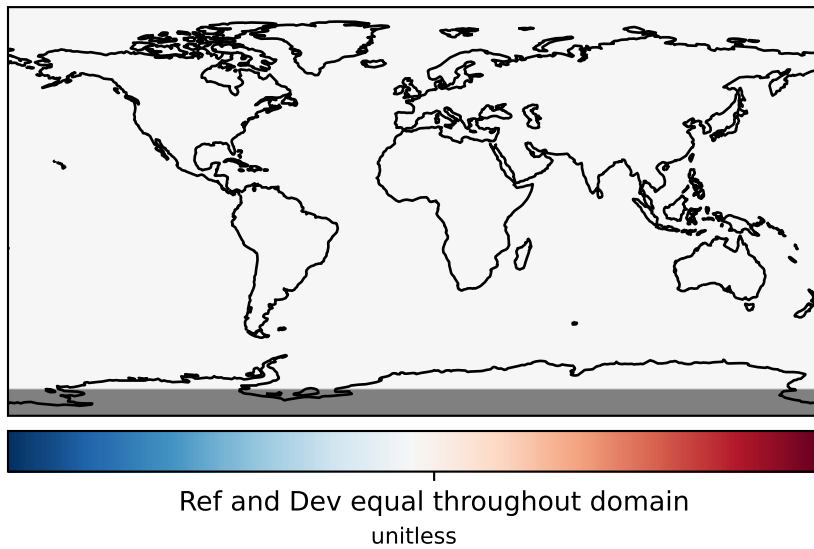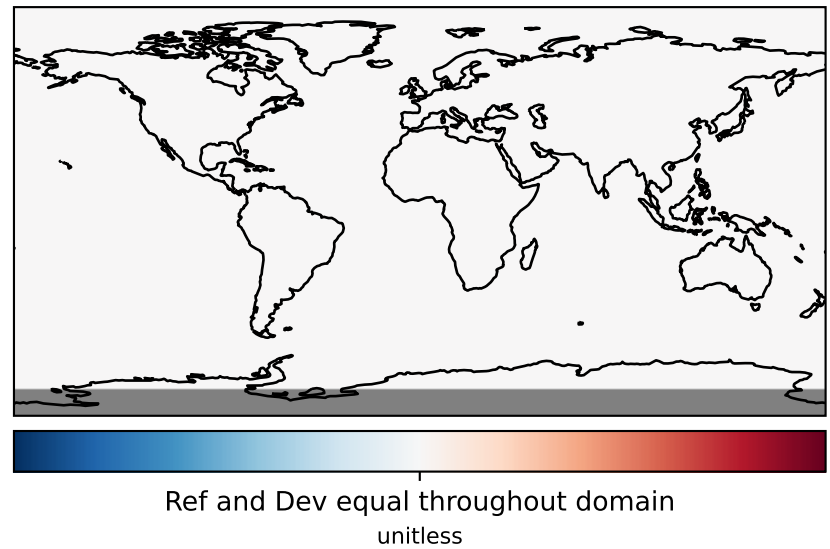
s-1

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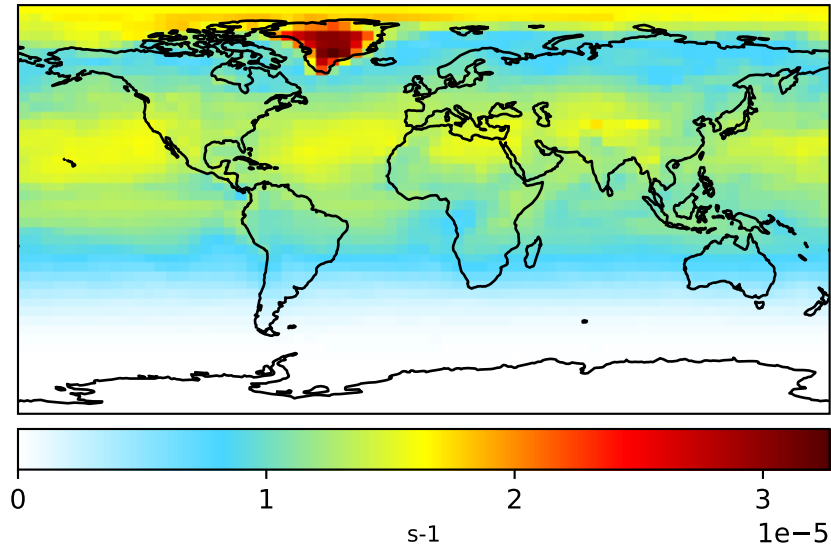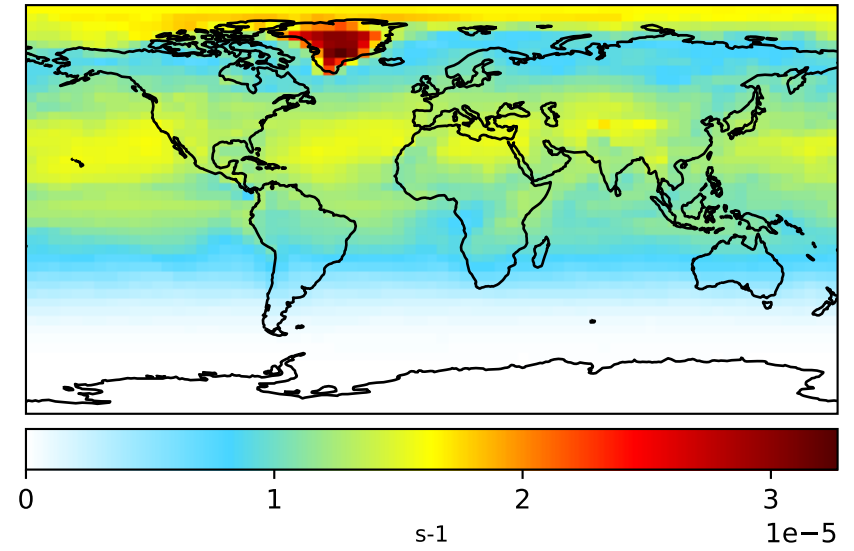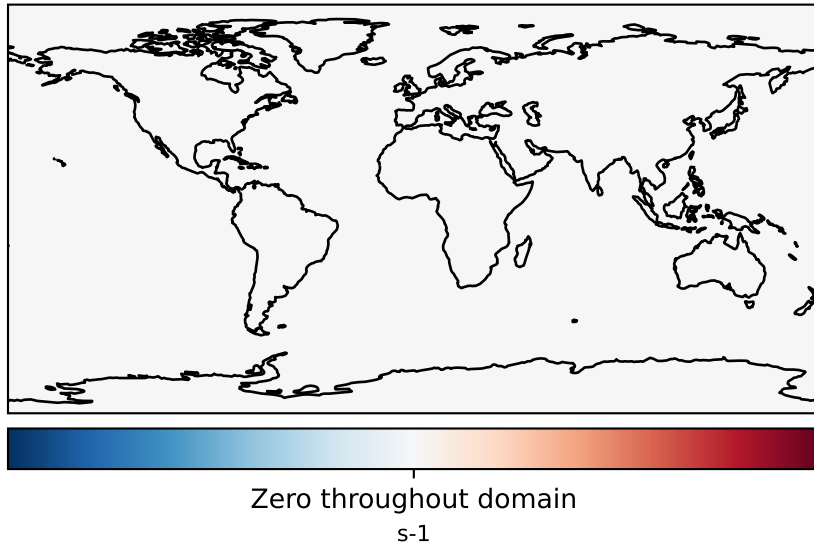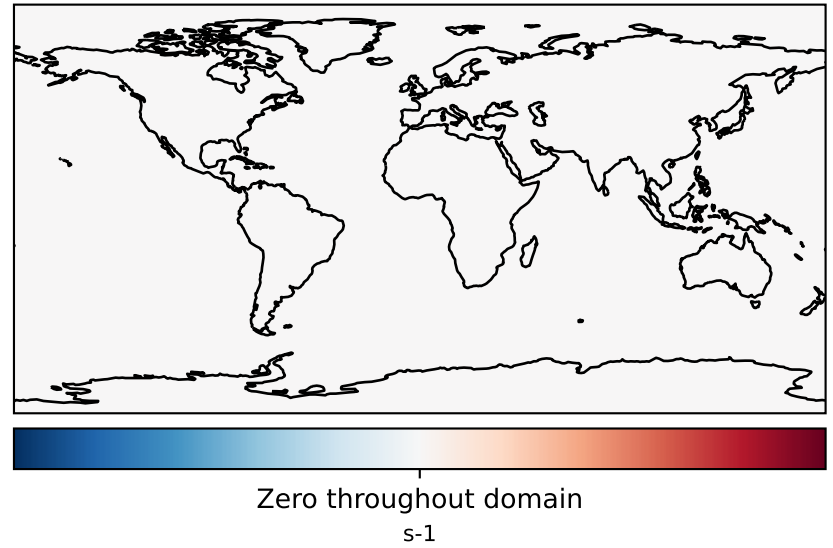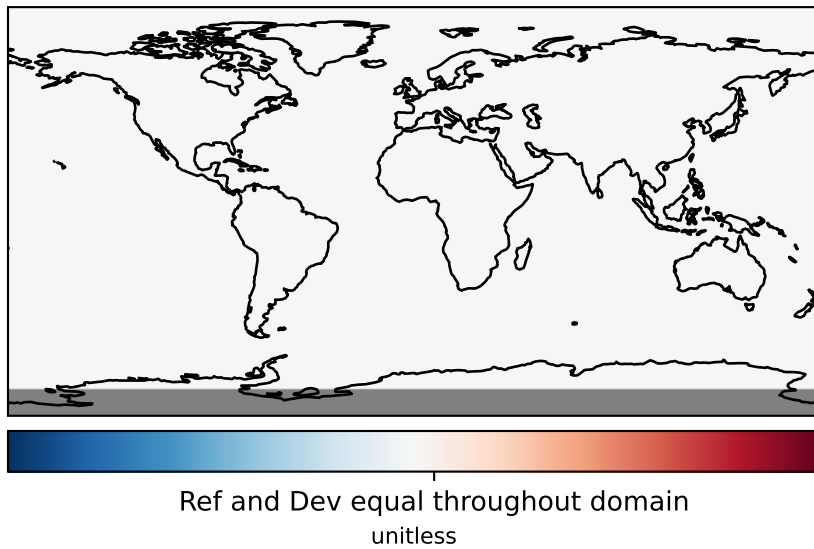
Difference
Dev - Ref, Restricted Range [5%,95%]

Zero throughout domain
s-1

Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

Ref and Dev equal throughout domain
unitless

Jval_NO

gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0

gcc-4x5-1Mon-14.6.3 (Dev)
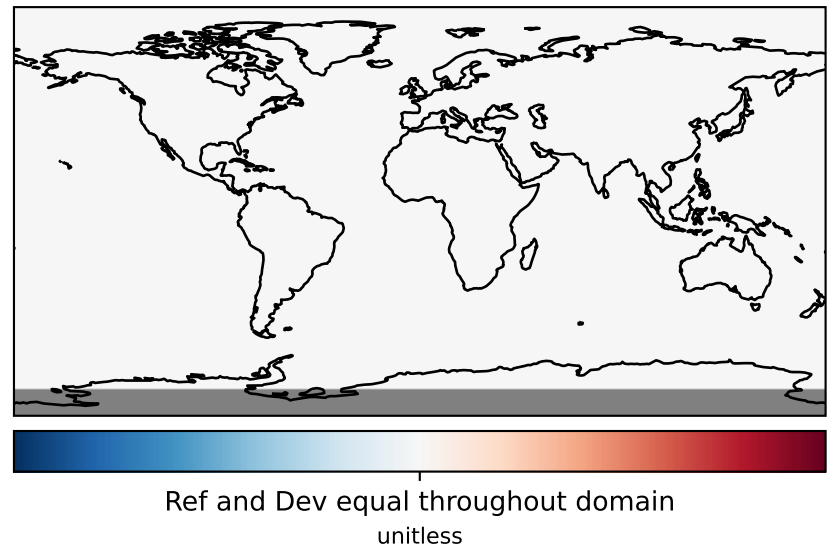4.0x5.0

s-1

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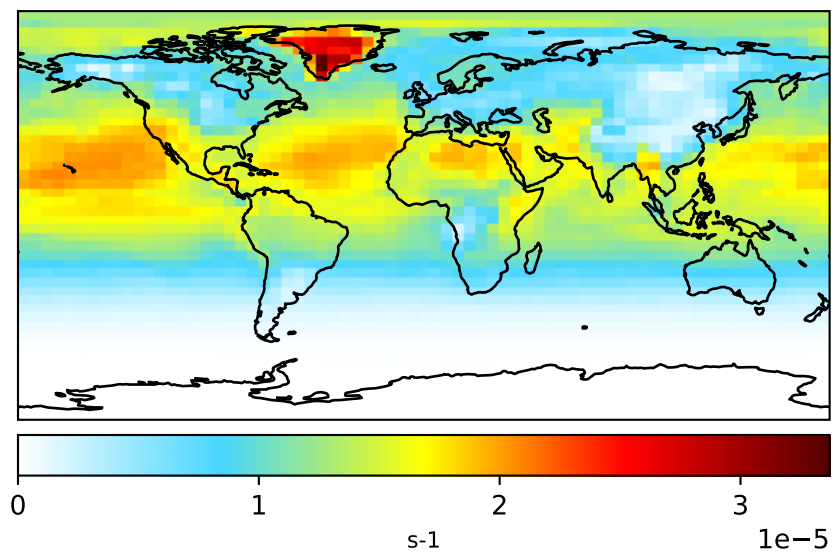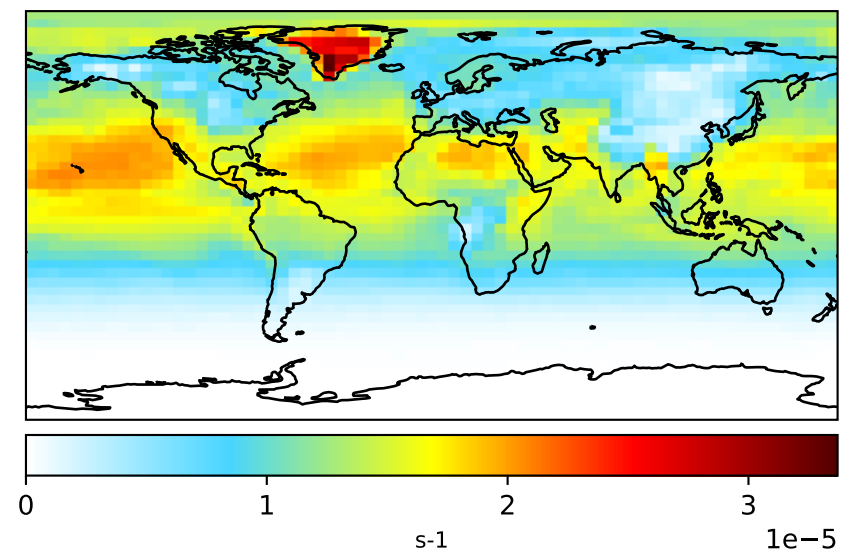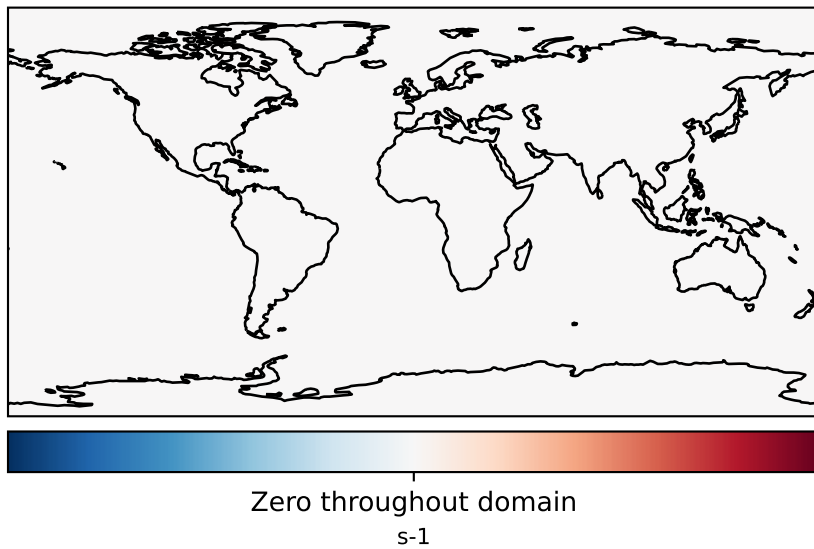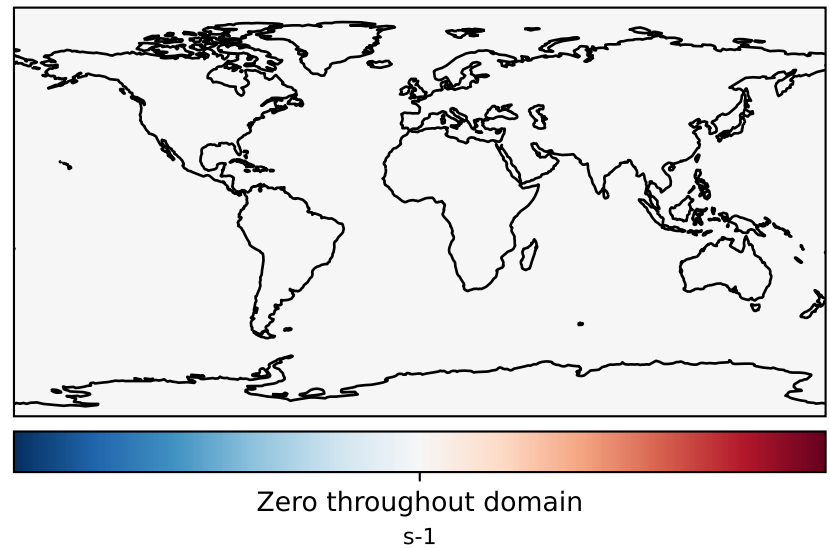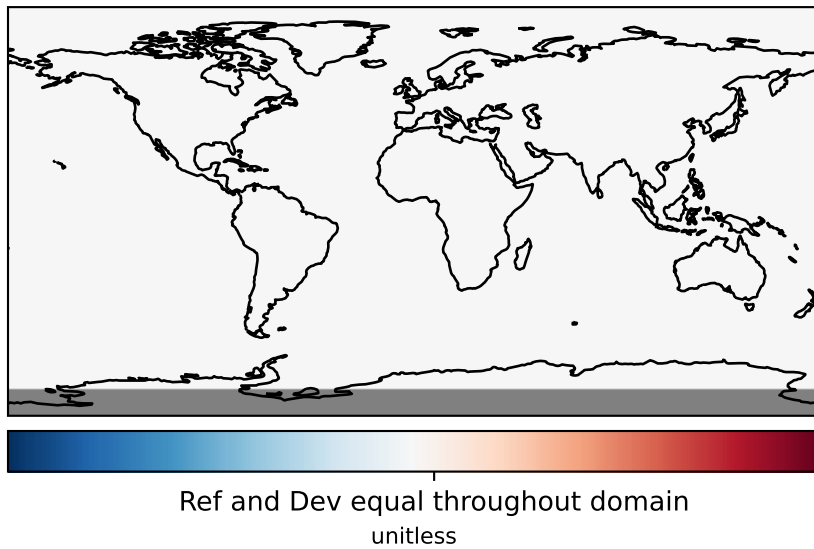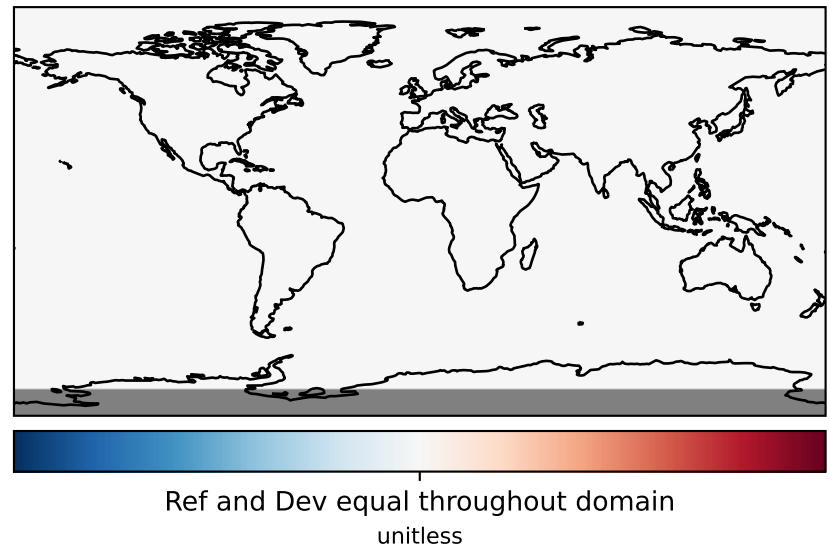
Difference
Dev - Ref, Restricted Range [5%,95%]

Zero throughout domain
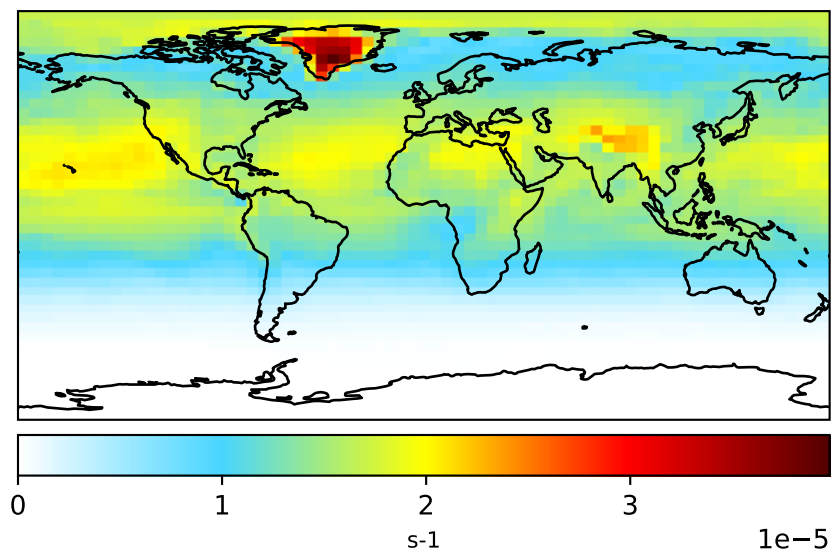s-1

Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

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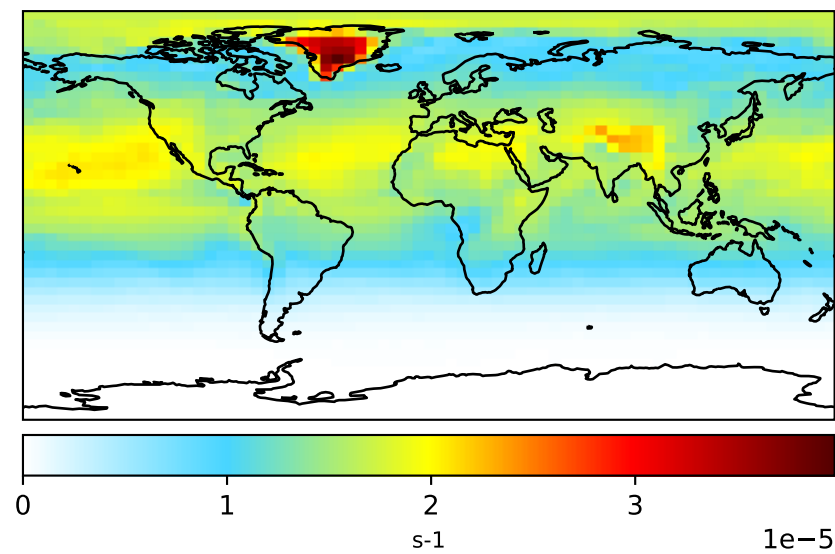unitless
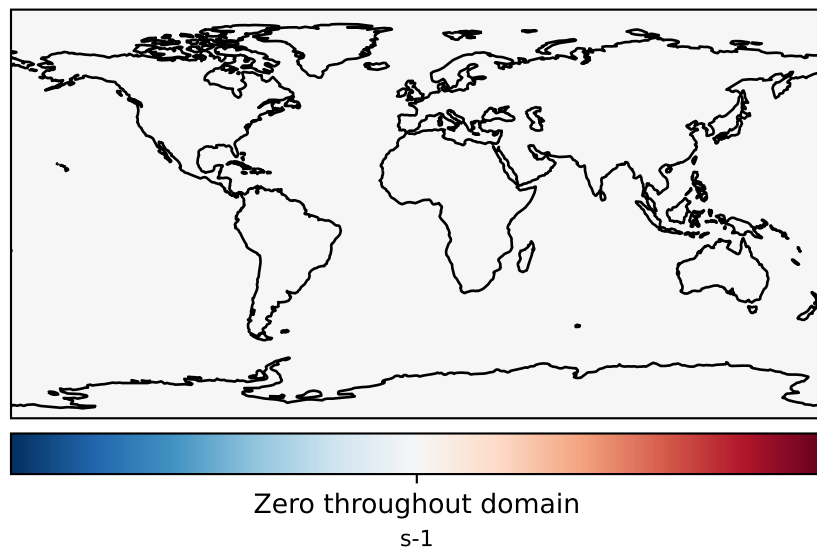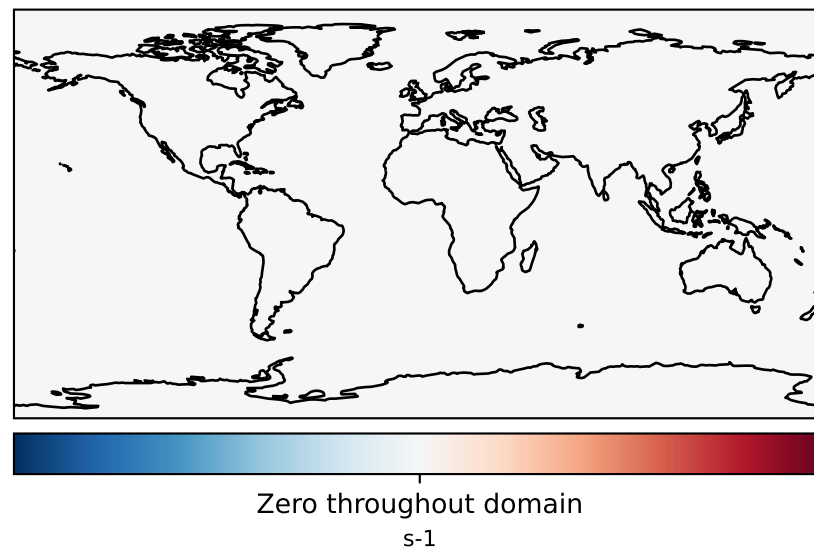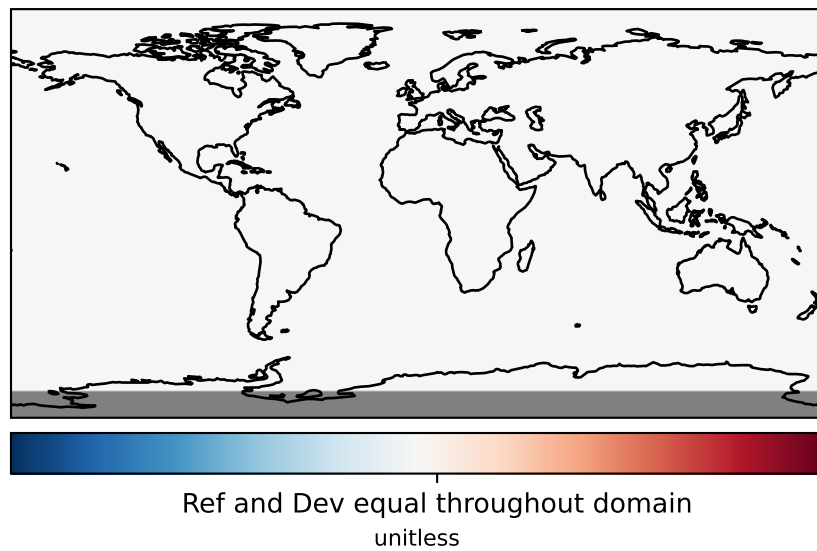
Ref and Dev equal throughout domain
unitless

Jval_NO2

gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0

gcc-4x5-1Mon-14.6.3 (Dev)
4.0x5.0
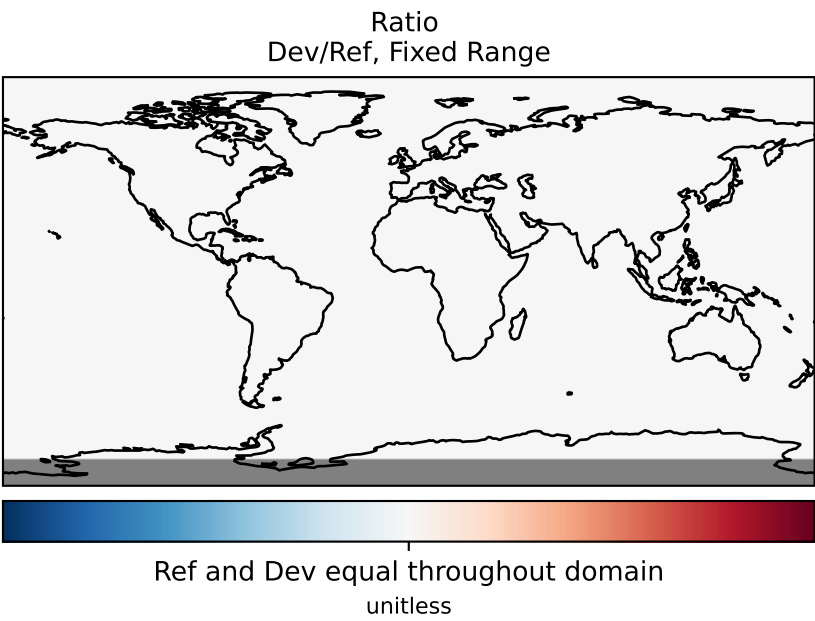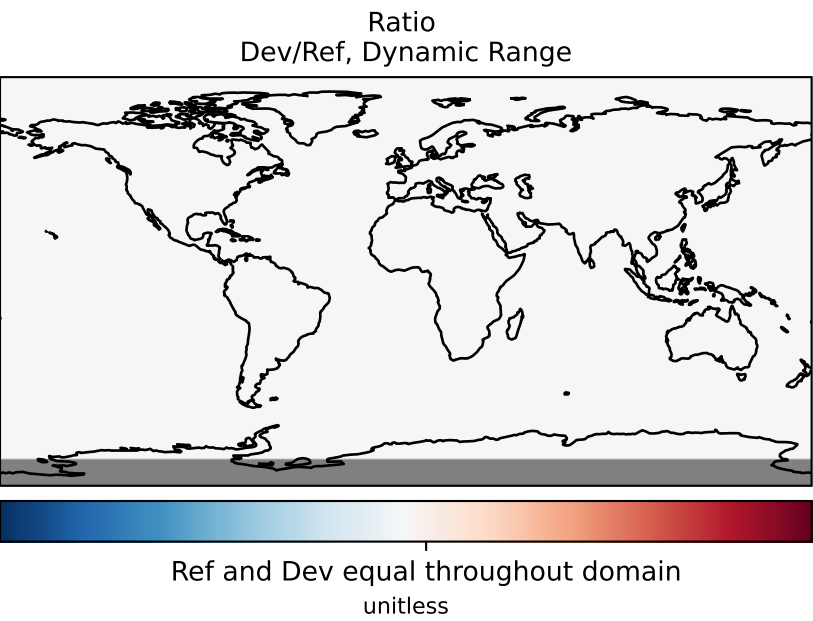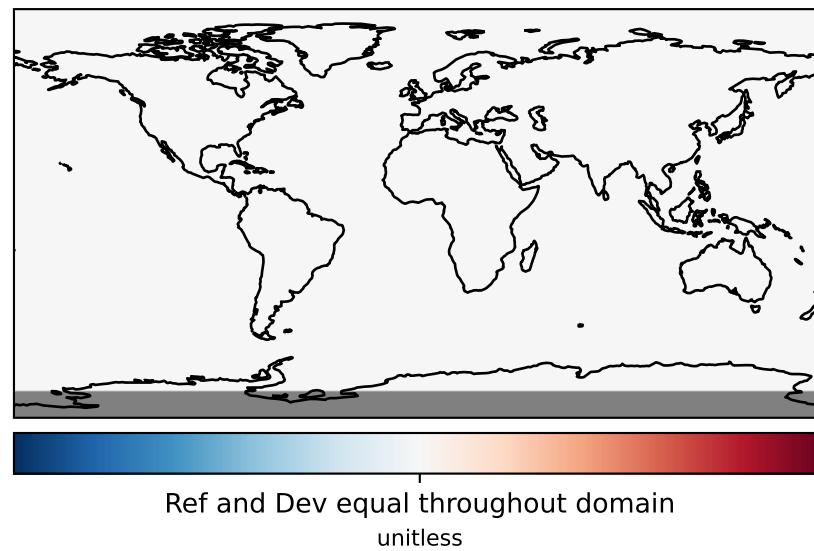
Difference
Dev - Ref, Dynamic Range

Zero throughout domain
s-1

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

Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ref and Dev equal throughout domain
unitless

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

Jval_NO3

Jval_NPHEN

gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0

gcc-4x5-1Mon-14.6.3 (Dev)
4.0x5.0

s-1

1e−5

s-1

1e−5

Difference
Dev - Ref, Dynamic Range

Difference
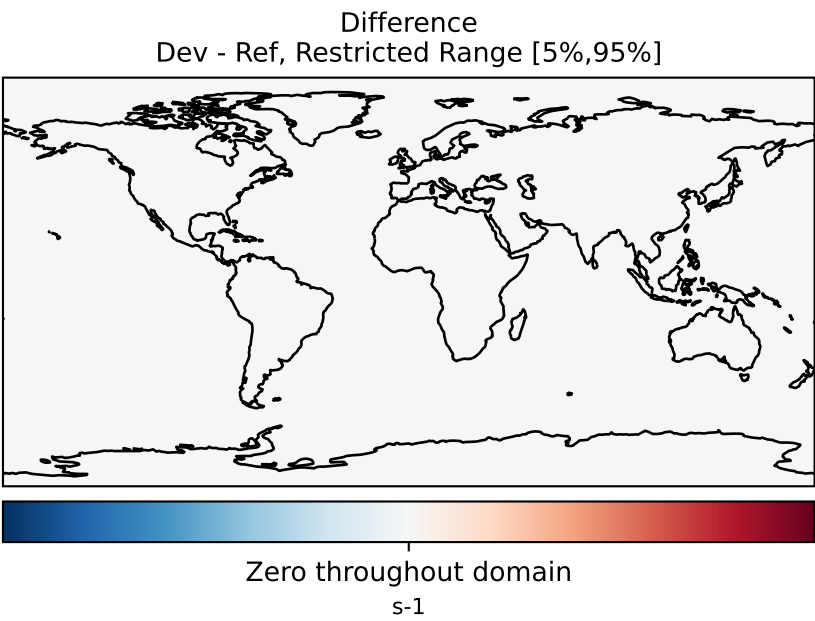Dev - Ref, Restricted Range [5%,95%]
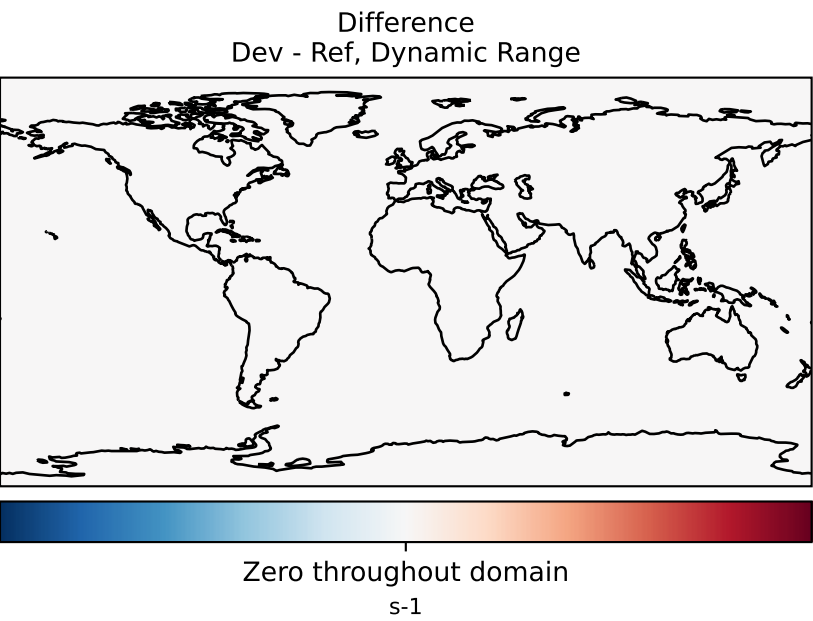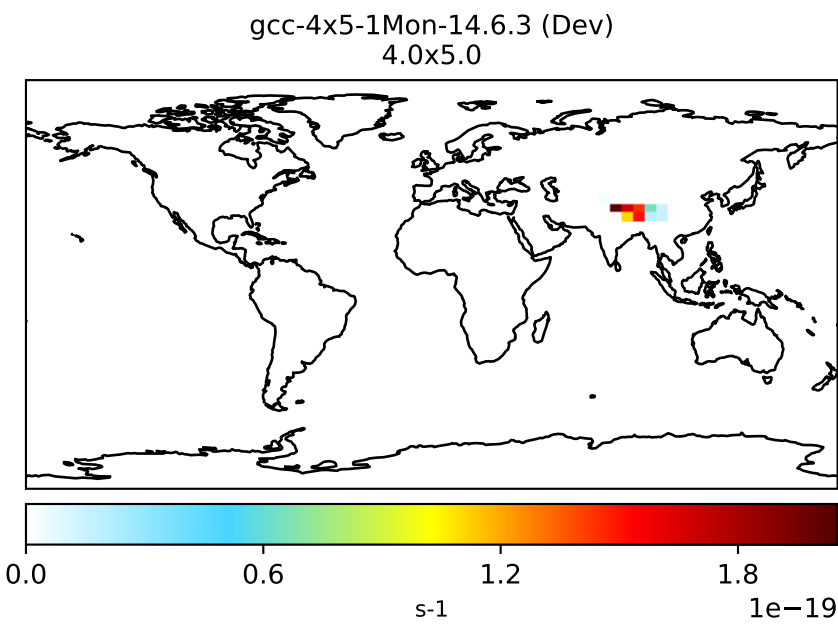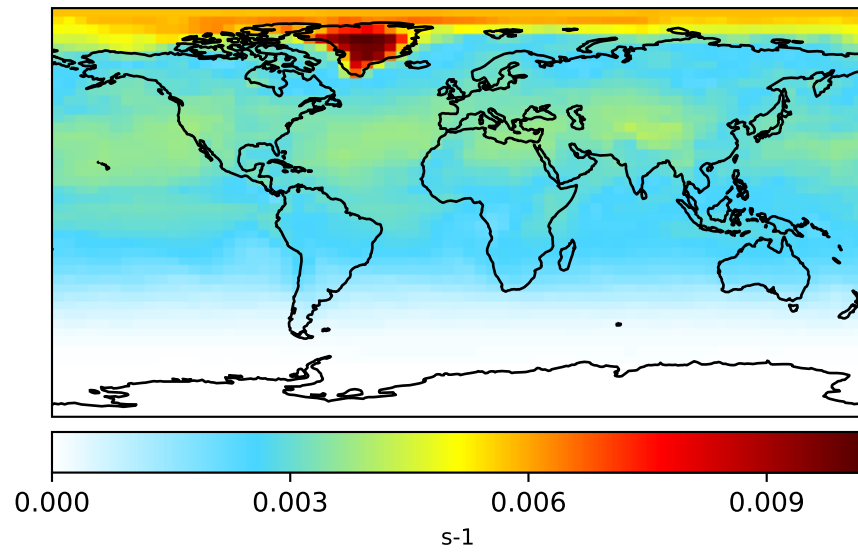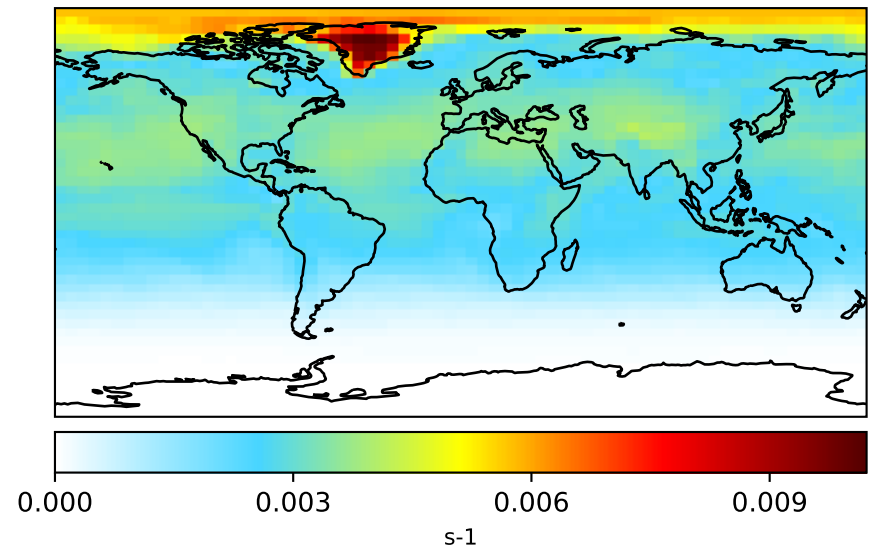
Zero throughout domain
s-1

Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

Ref and Dev equal throughout domain
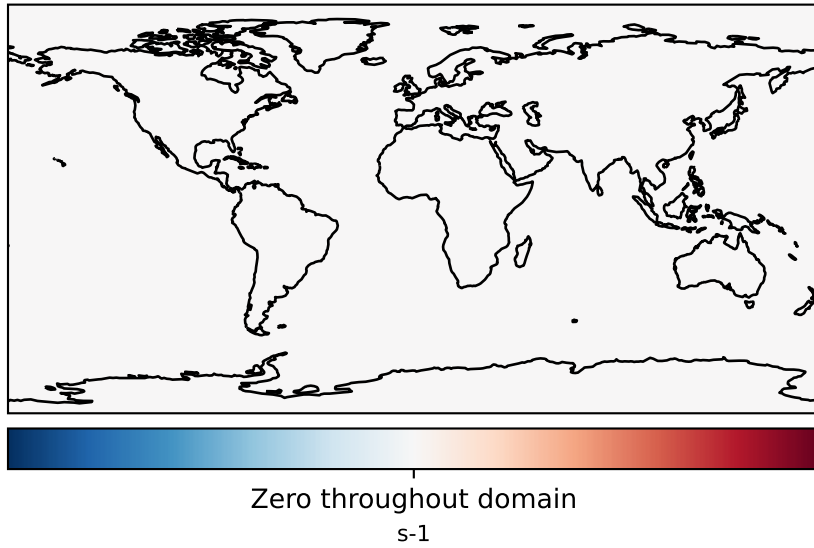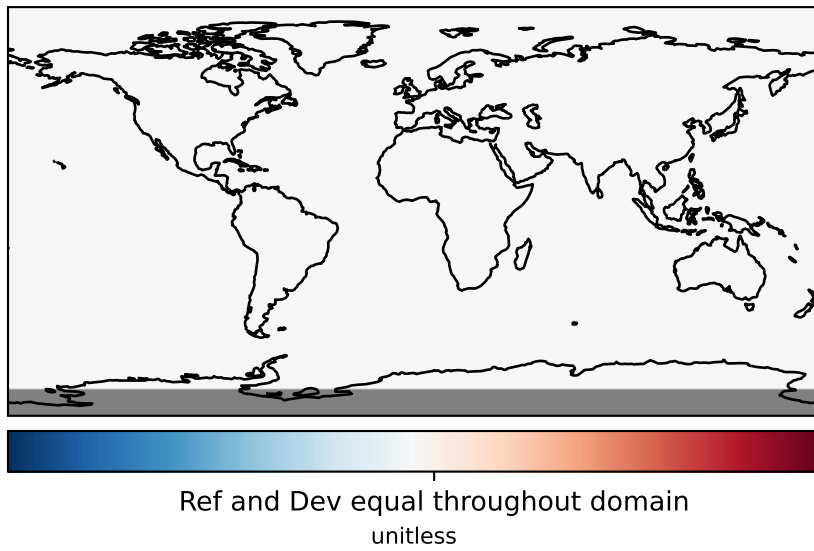unitless

Jval_NPRNO3

gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0

gcc-4x5-1Mon-14.6.3 (Dev)
4.0x5.0

s-1
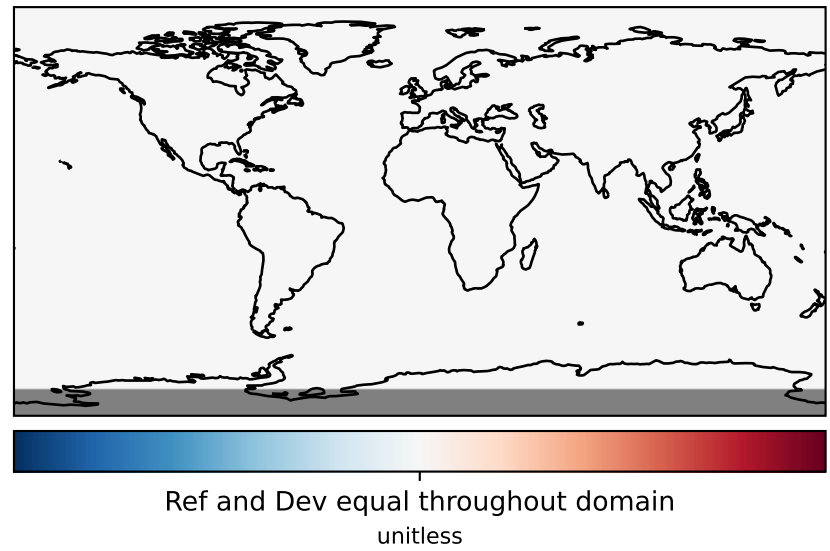
s-1

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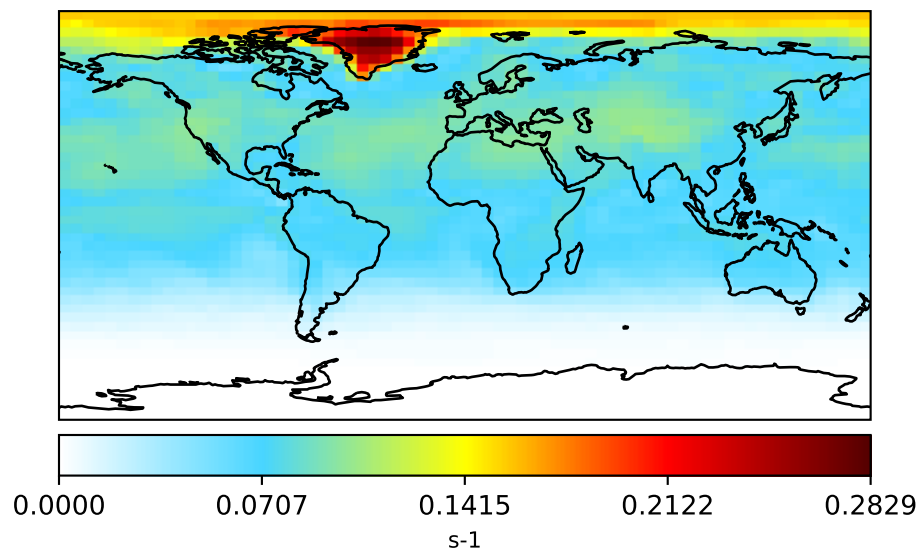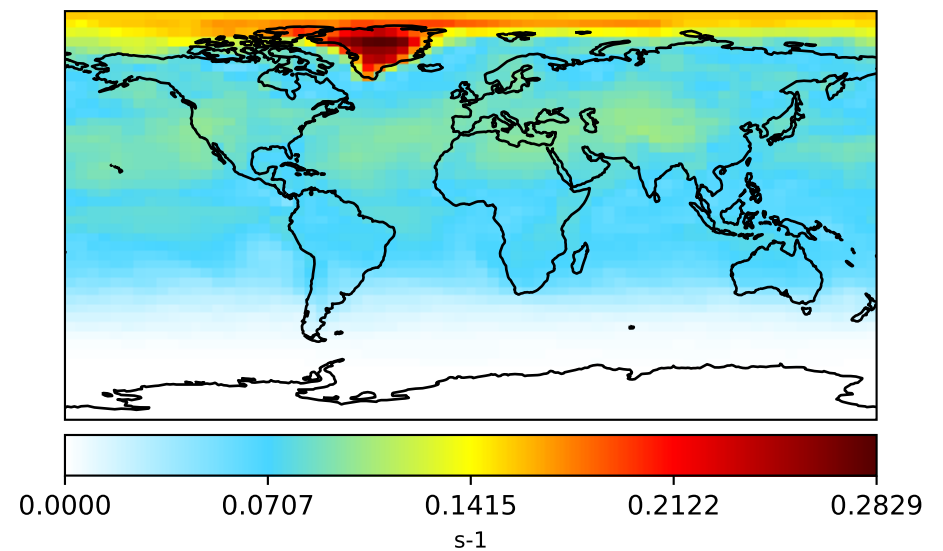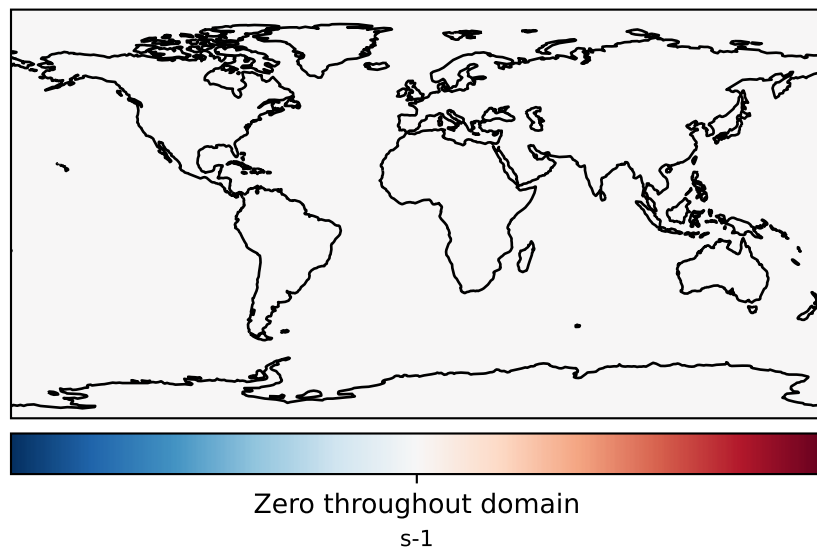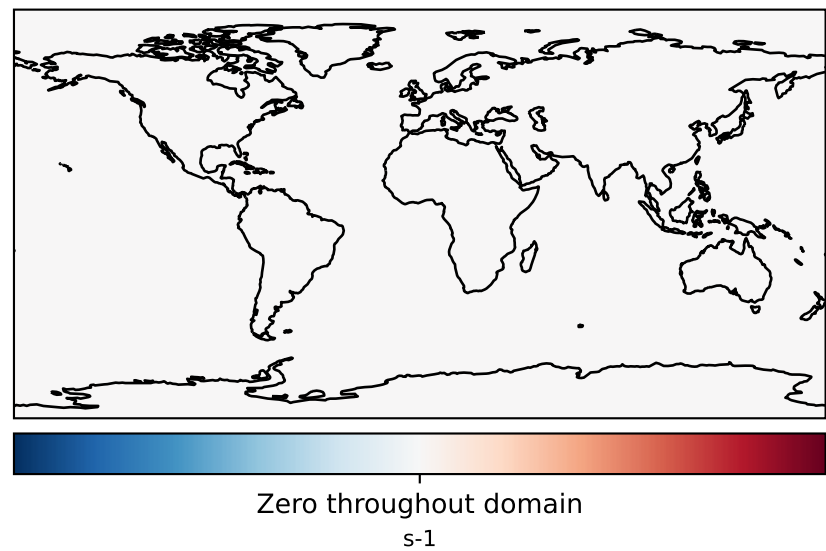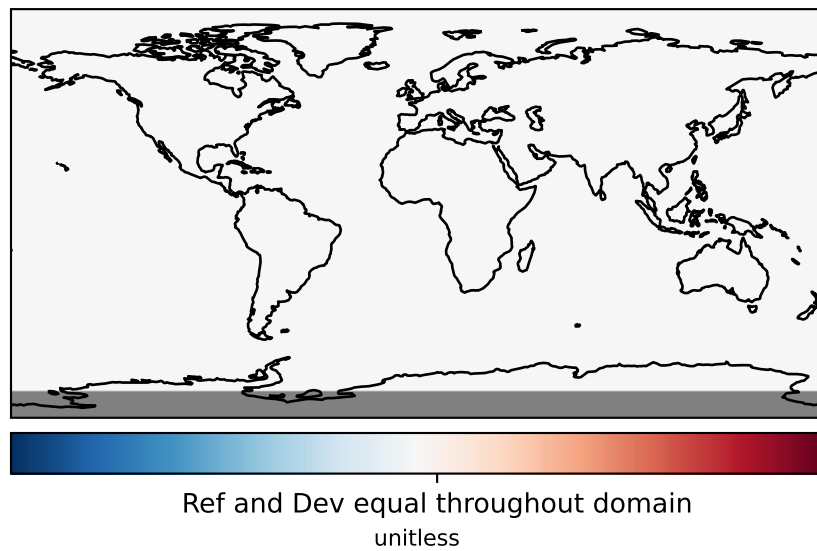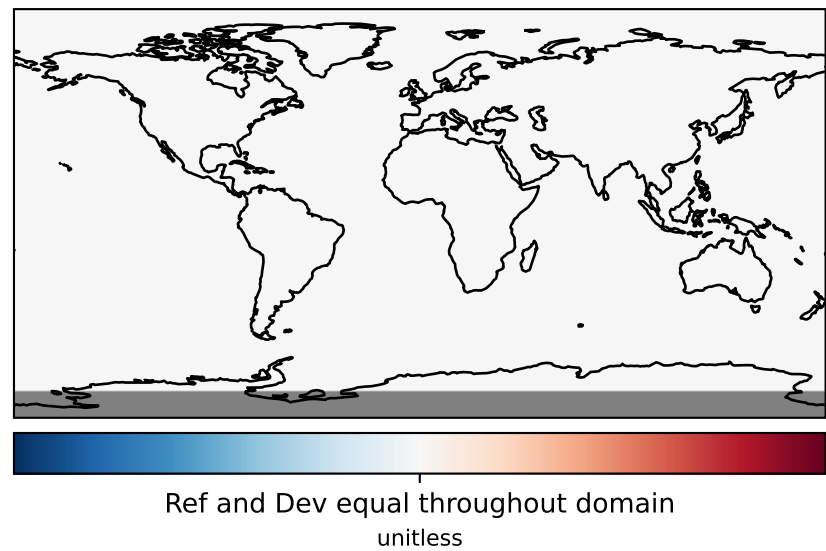
Difference
Dev - Ref, Restricted Range [5%,95%]

Zero throughout domain
s-1

Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

Ref and Dev equal throughout domain
unitless

Jval_O2

gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0

gcc-4x5-1Mon-14.6.3 (Dev)
4.0x5.0

s-1   1e−22

s-1   1e−22

Difference
Dev - Ref, Dynamic Range

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

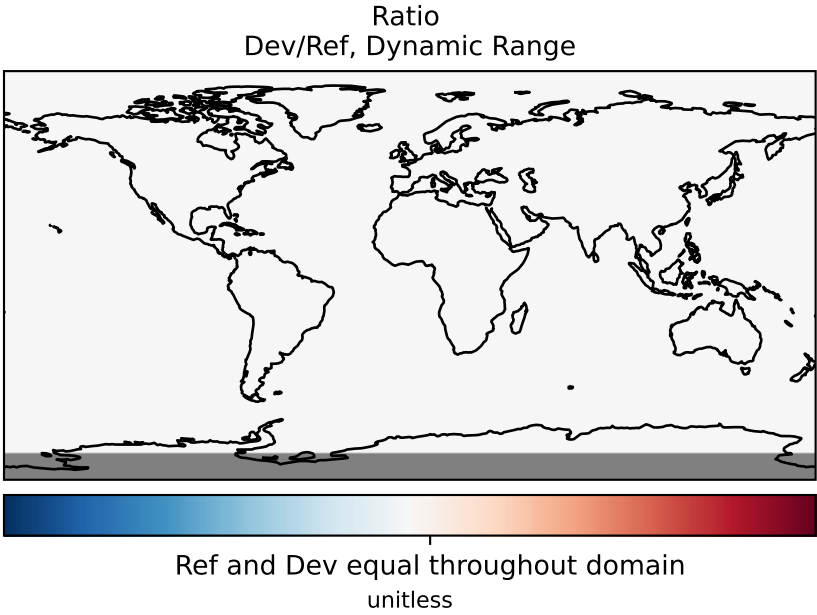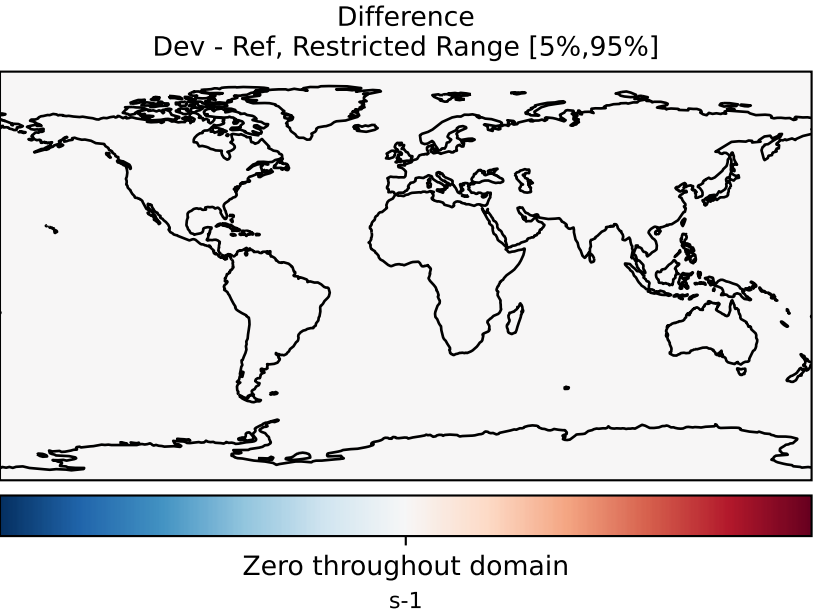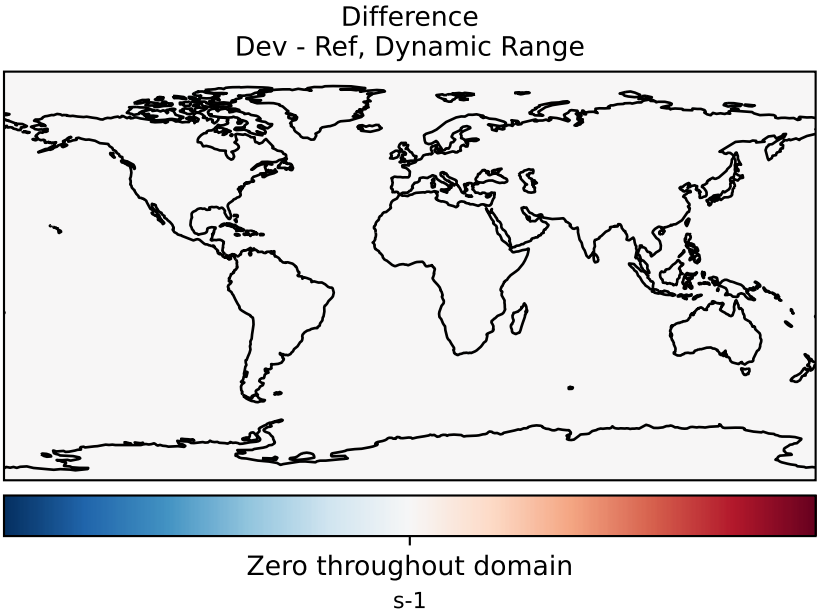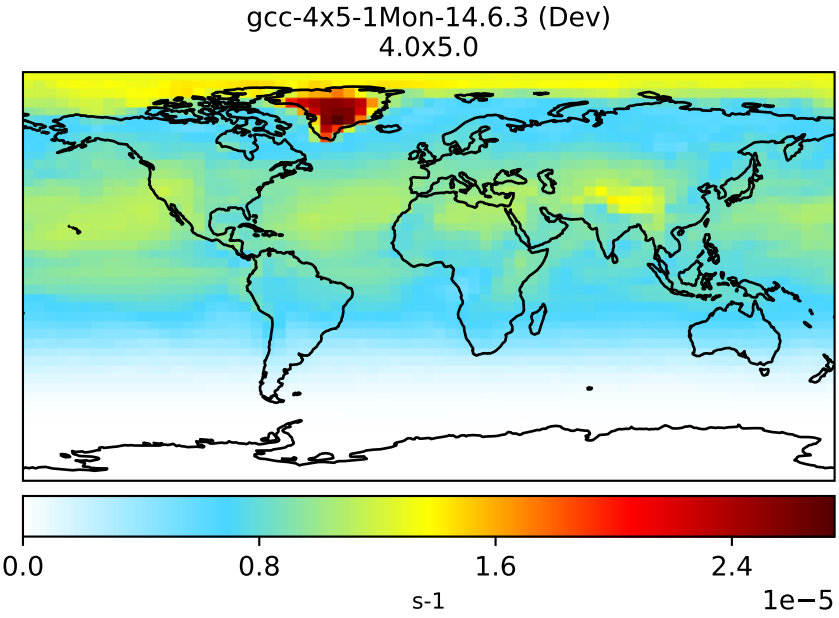Zero throughout domain
s-1

Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
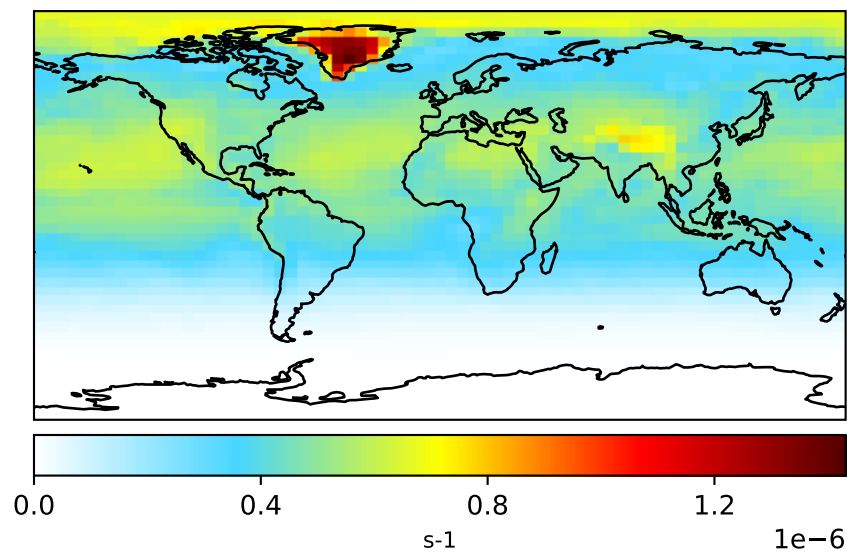unitless

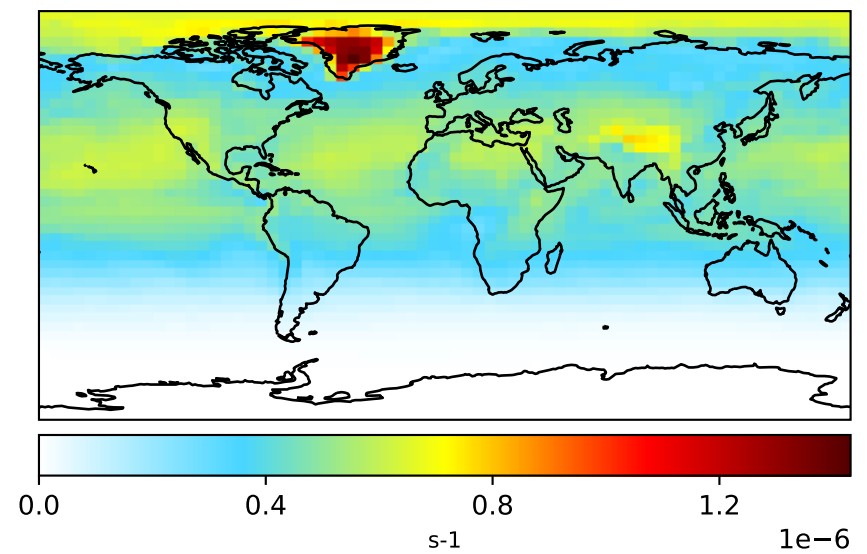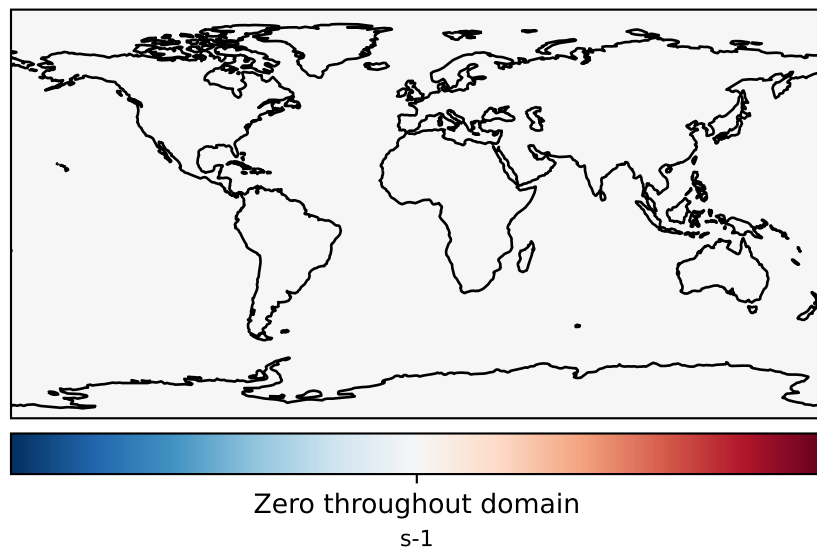Ref and Dev equal throughout domain
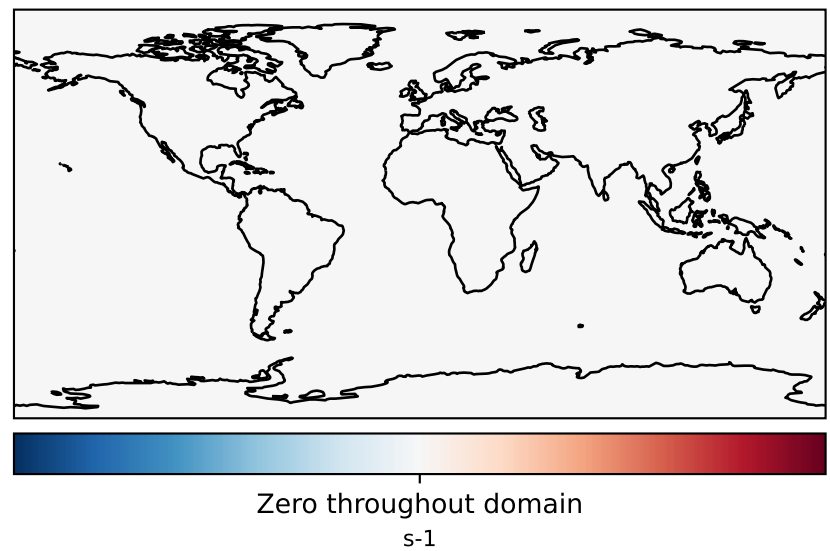unitless

Jval_O3

Jval_OCS

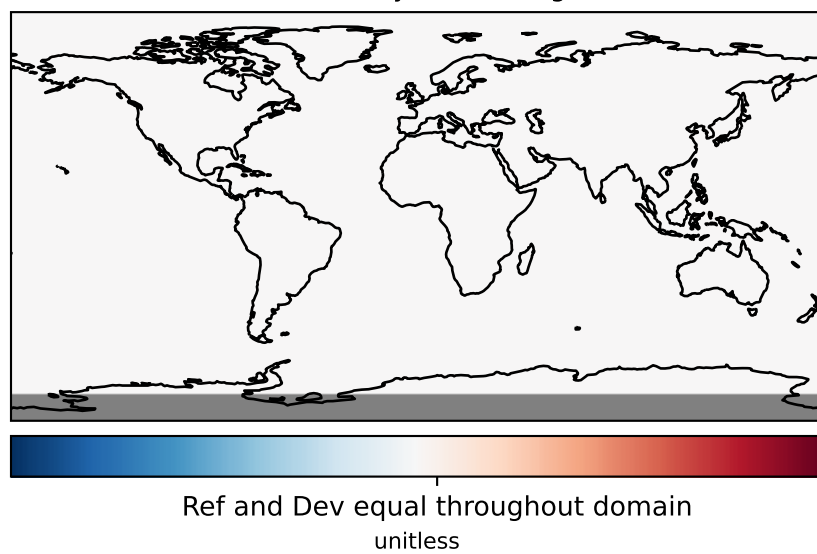gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0

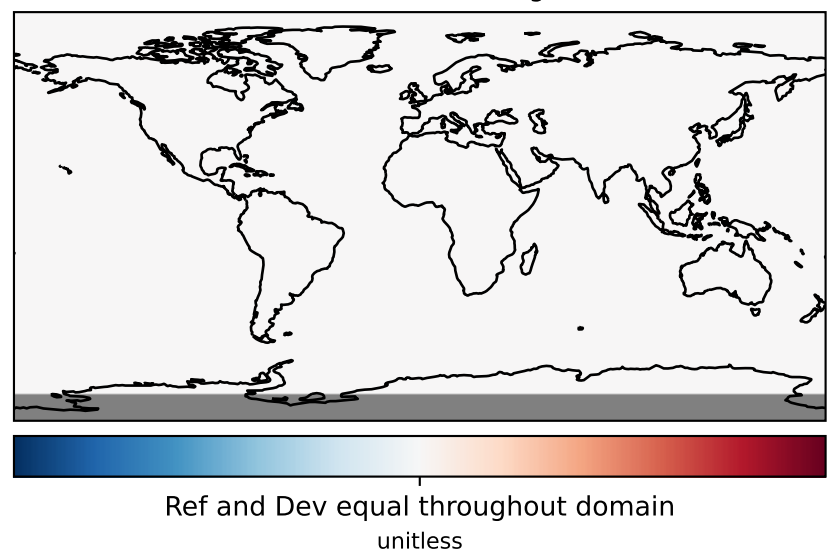gcc-4x5-1Mon-14.6.3 (Dev)
4.0x5.0

Difference
Dev - Ref, Dynamic Range

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

Zero throughout domain
s-1
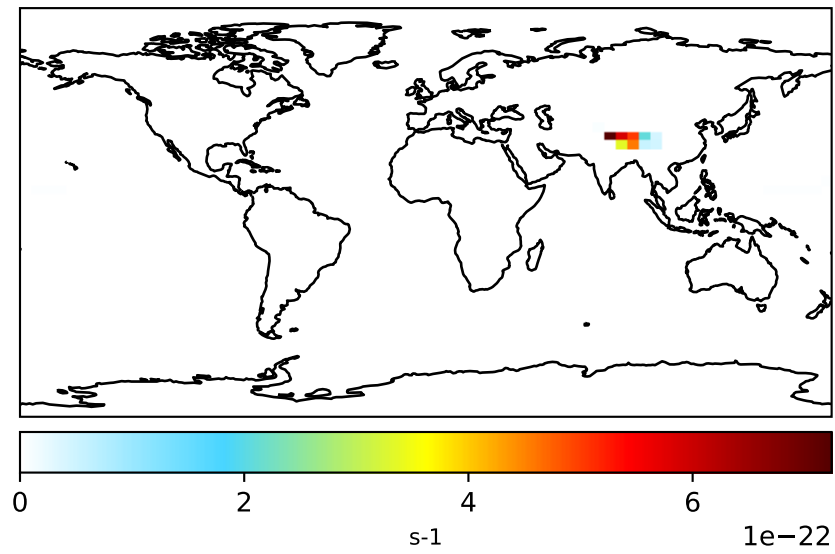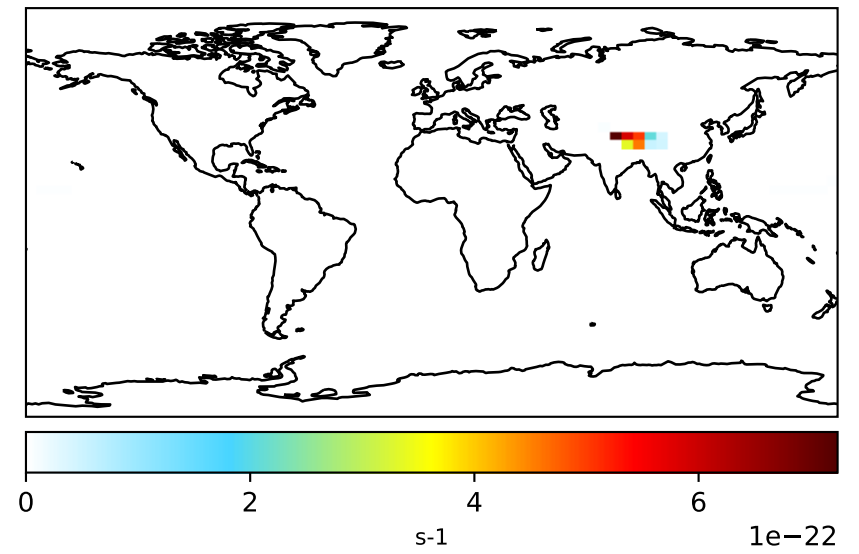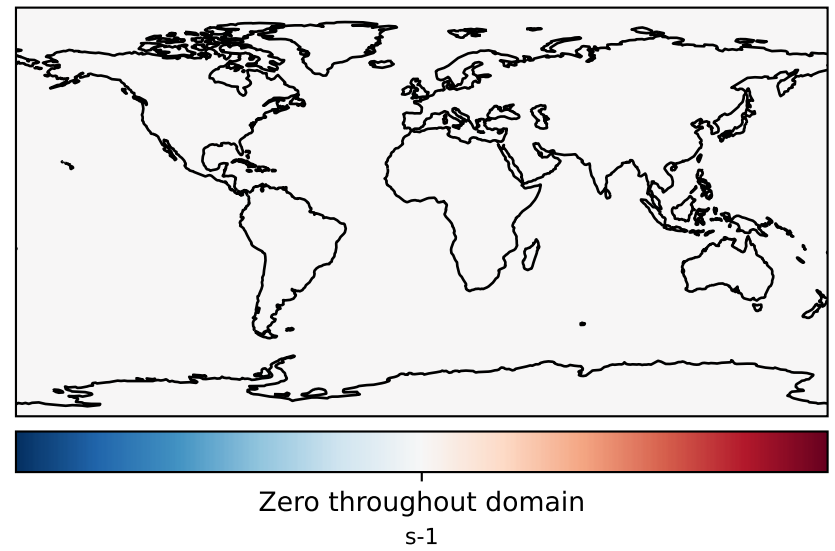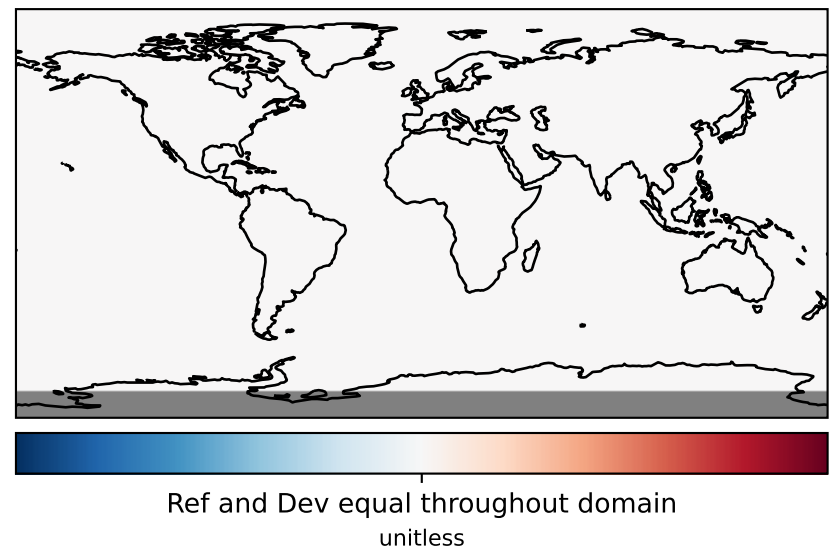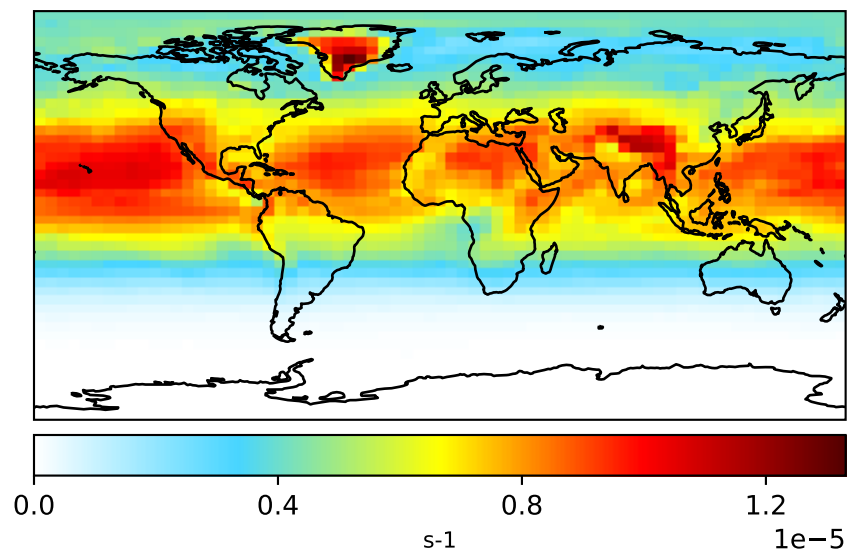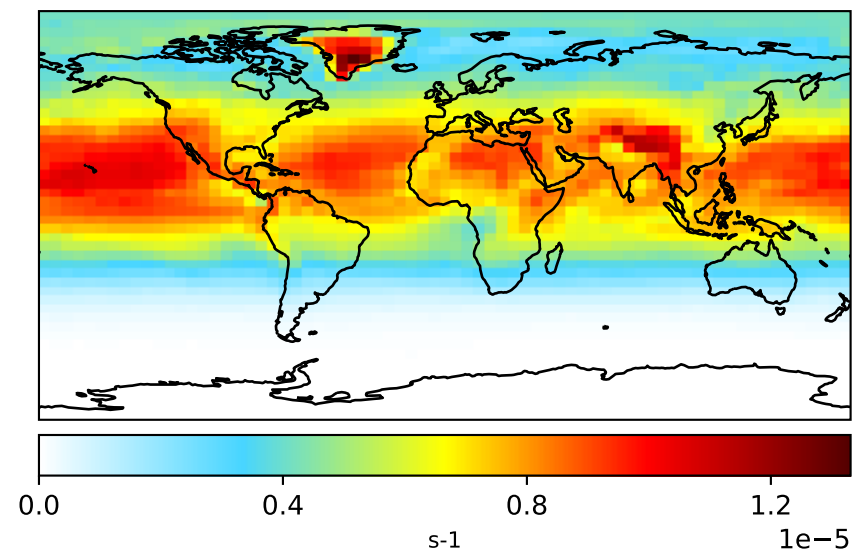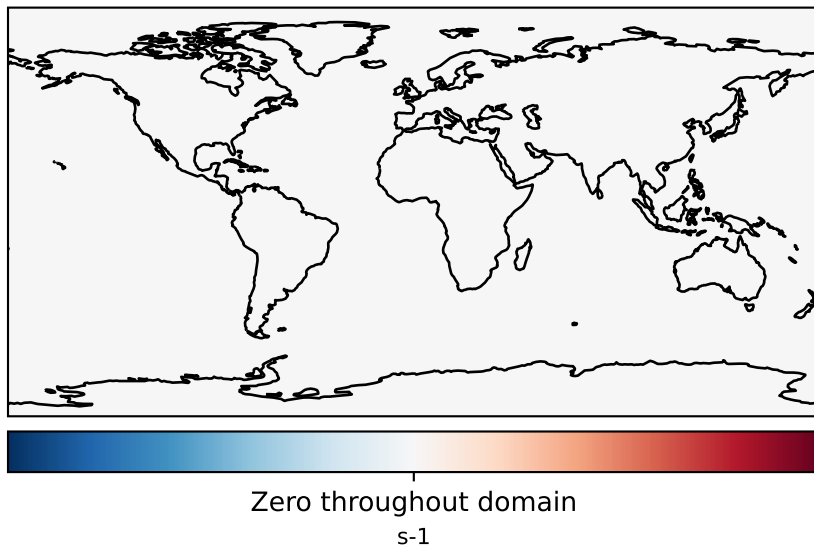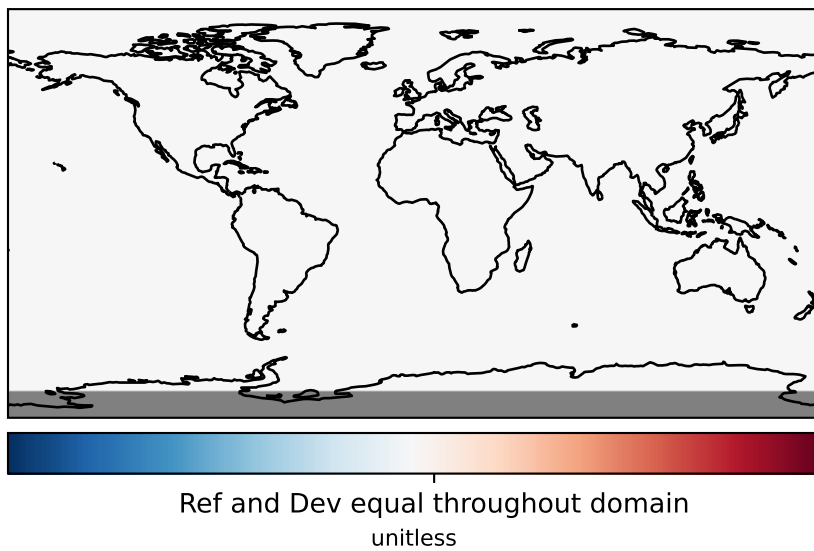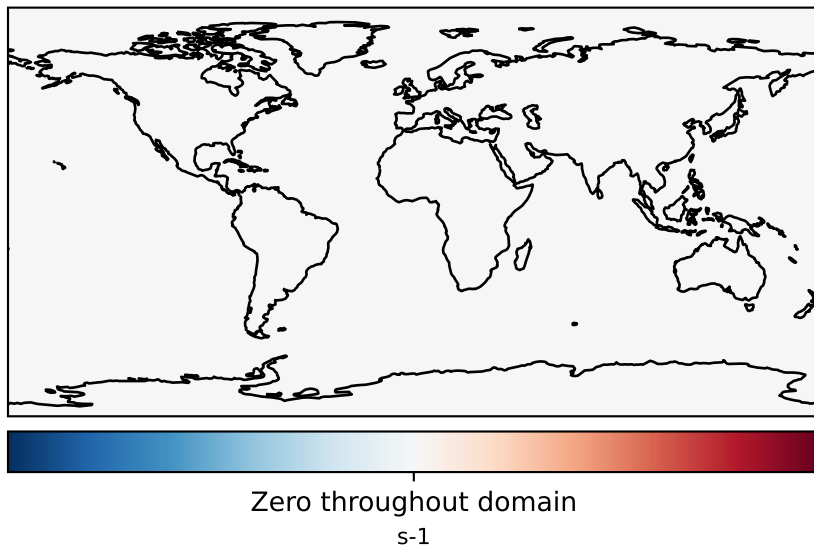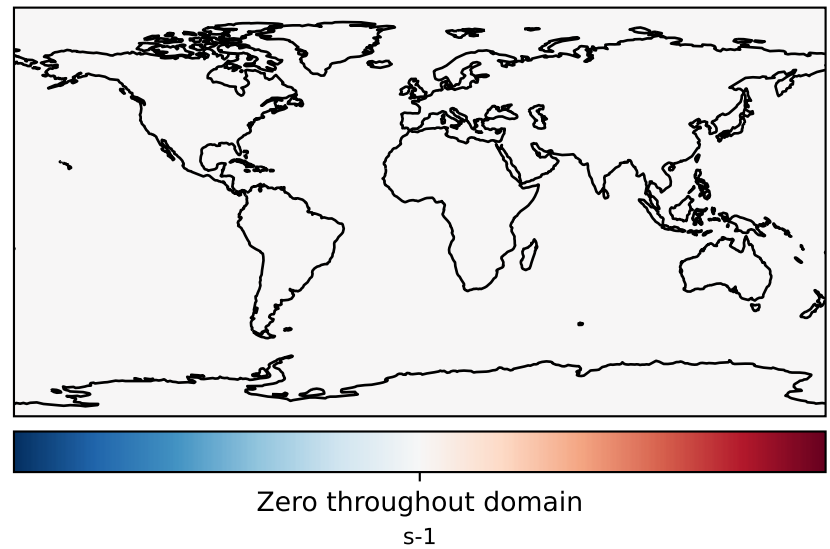
Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

Ref and Dev equal throughout domain
unitless

Jval_OClO

gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0

s-1

gcc-4x5-1Mon-14.6.3 (Dev)
4.0x5.0

s-1

Difference
Dev - Ref, Dynamic Range

Zero throughout domain
s-1

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

Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ref and Dev equal throughout domain
unitless

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

Jval_OIO

gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0

gcc-4x5-1Mon-14.6.3 (Dev)
4.0x5.0

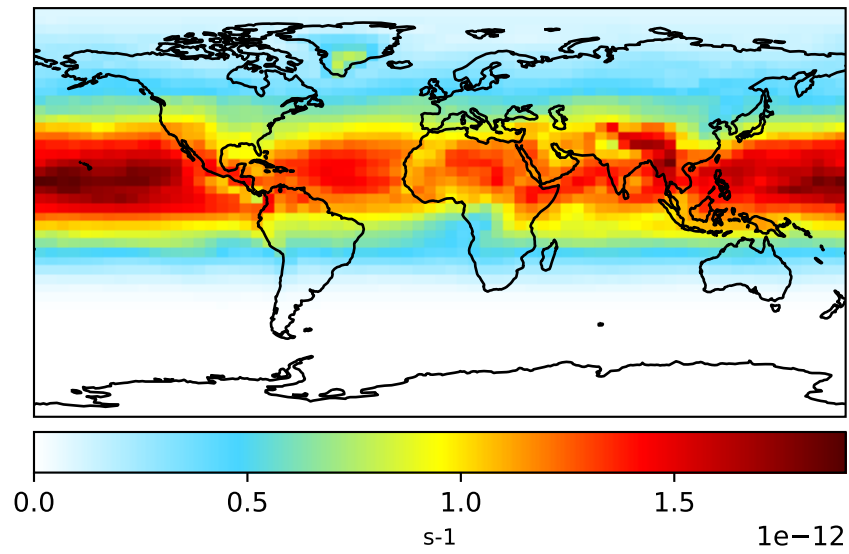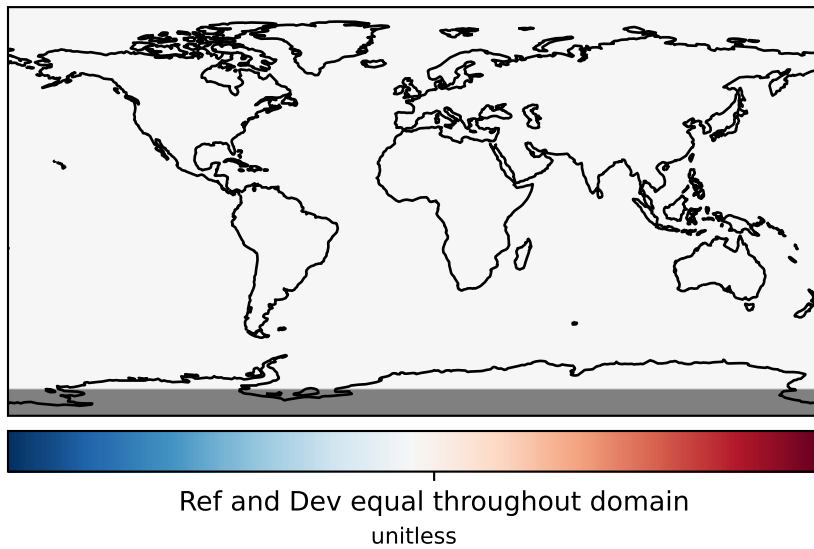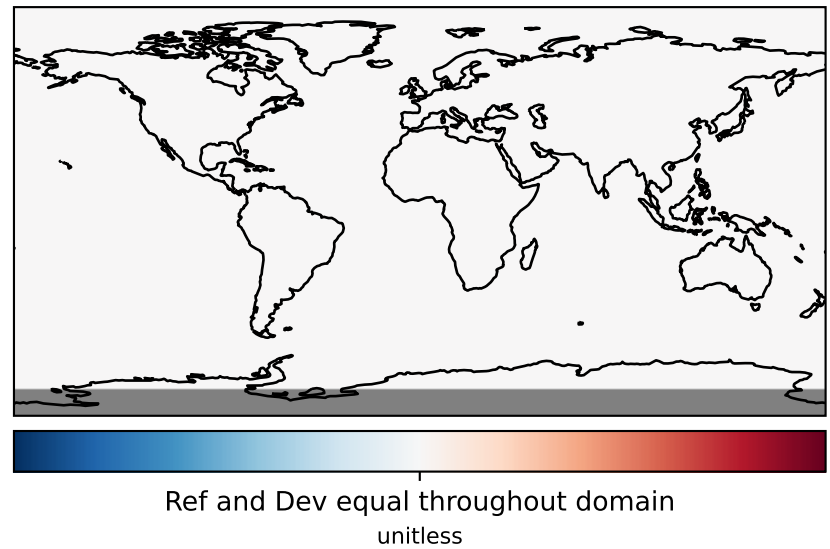0.0000   0.0730   0.1461   0.2191   0.2921
s-1

0.0000   0.0730   0.1461   0.2191   0.2921
s-1

Difference
Dev - Ref, Dynamic Range

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

Zero throughout domain
s-1

Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

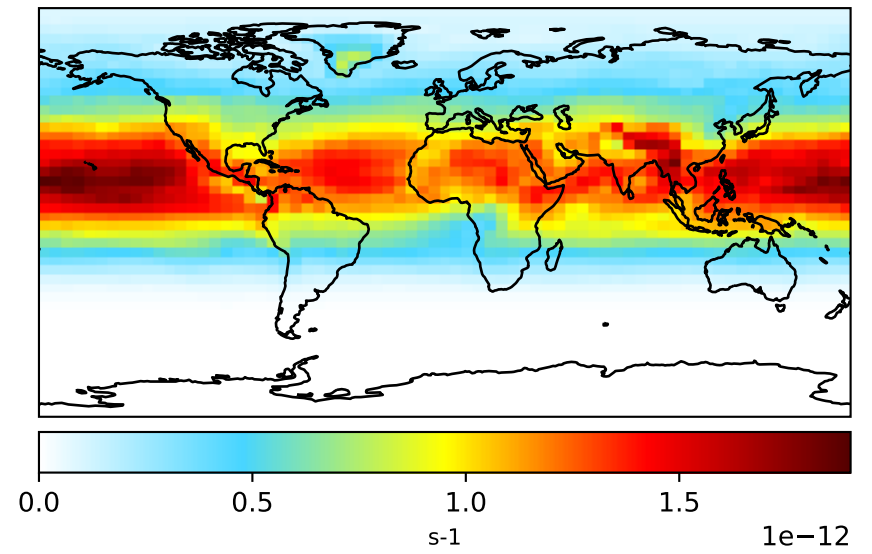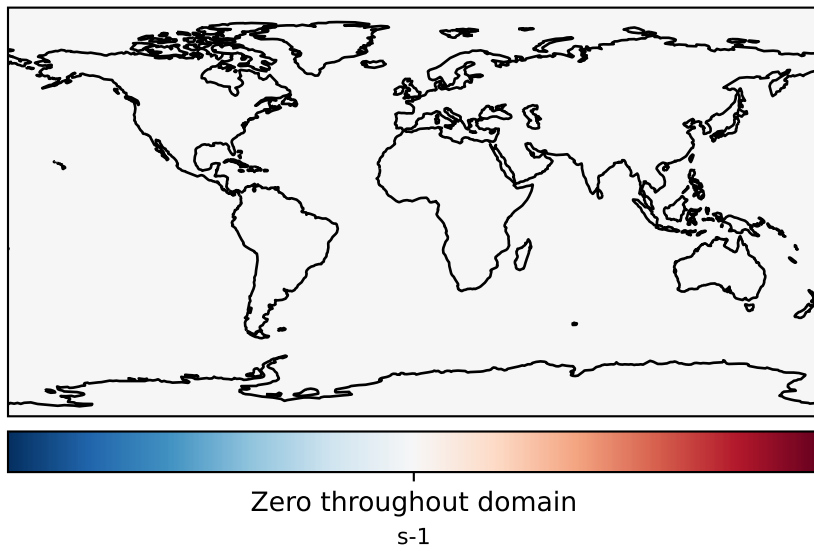Ref and Dev equal throughout domain
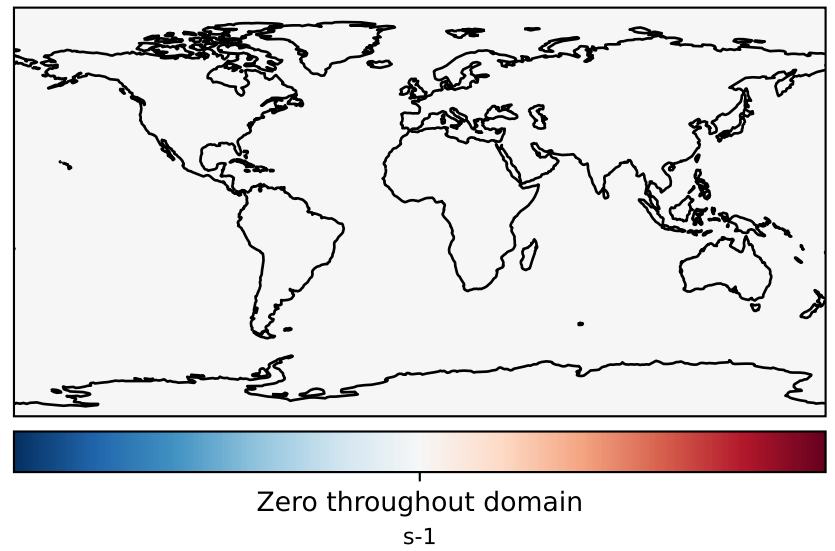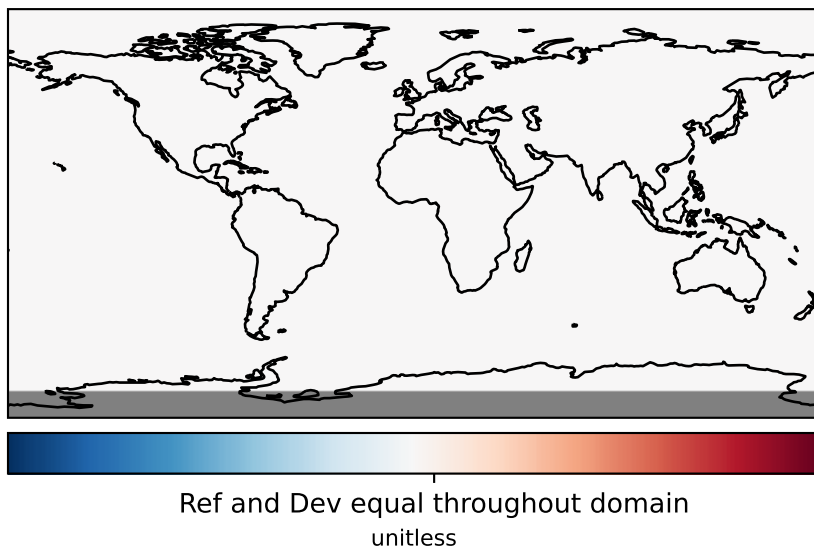unitless
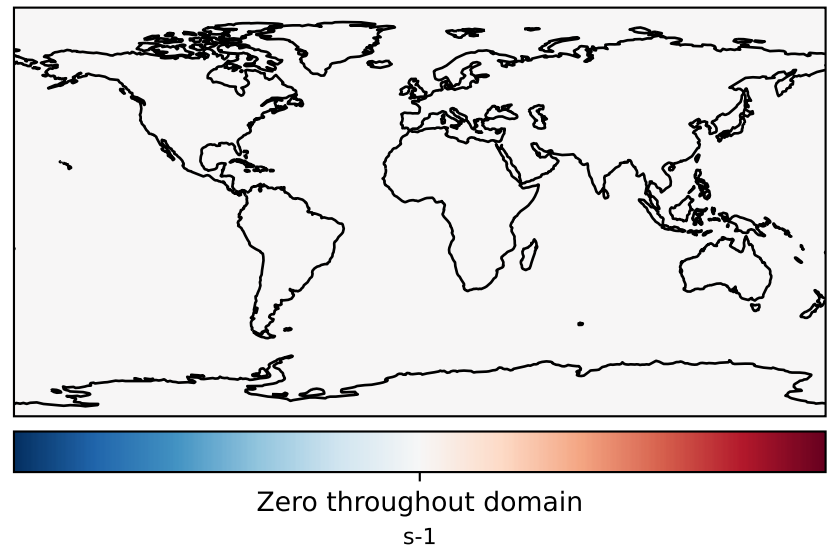
Jval_PAN

gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0
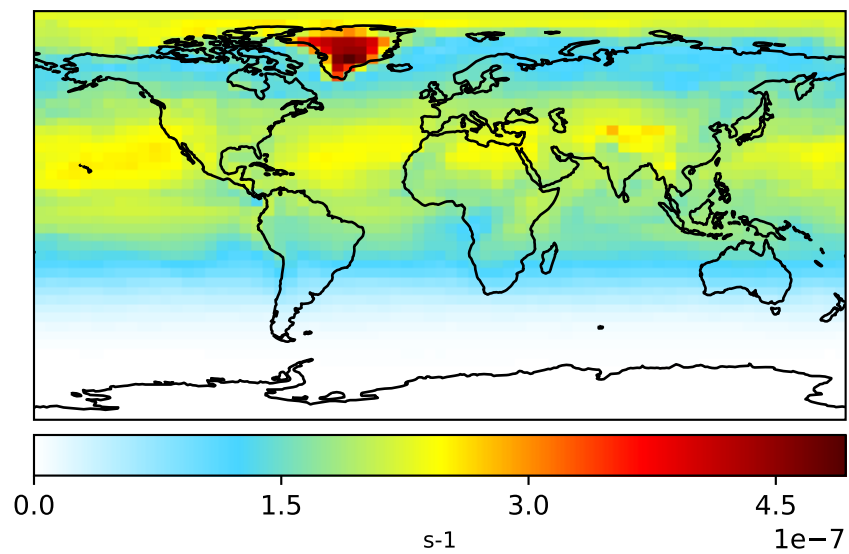
gcc-4x5-1Mon-14.6.3 (Dev)
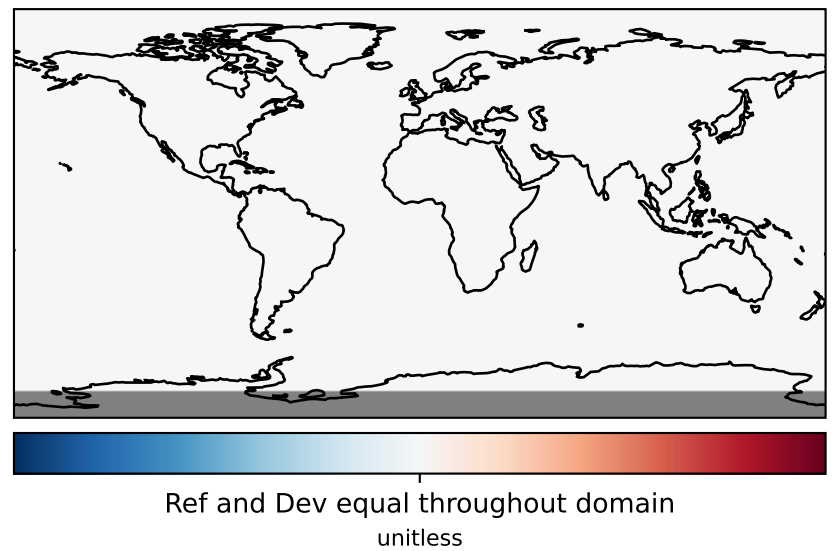4.0x5.0

s-1

s-1

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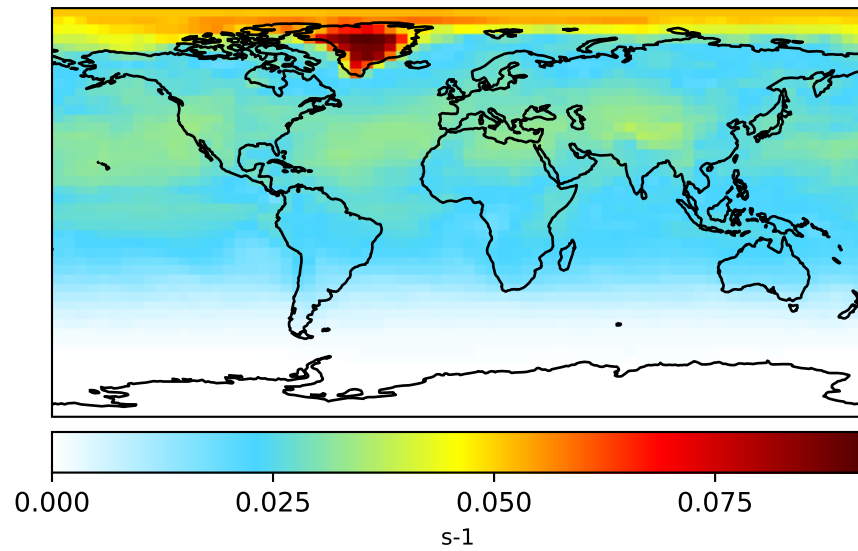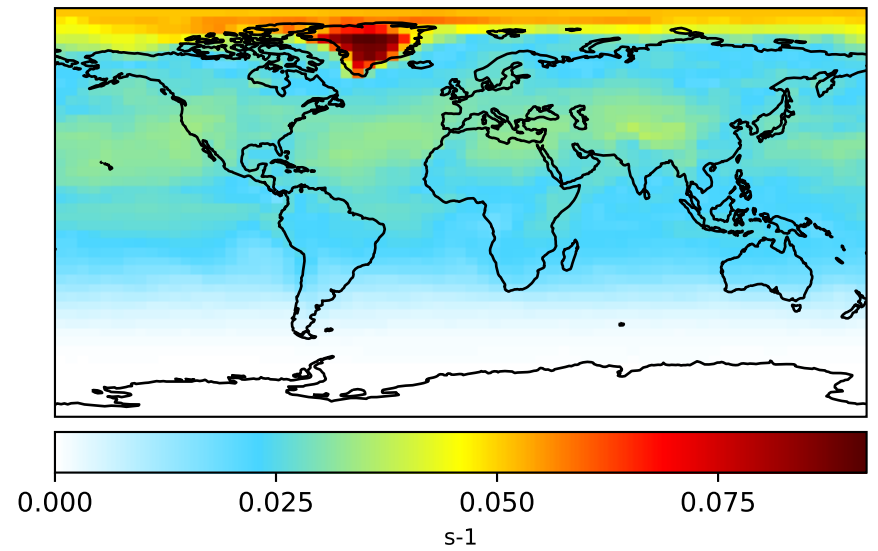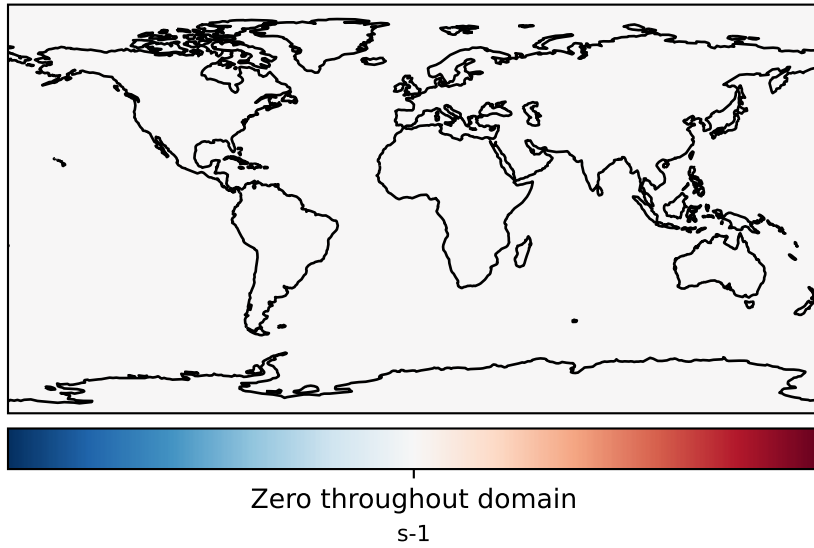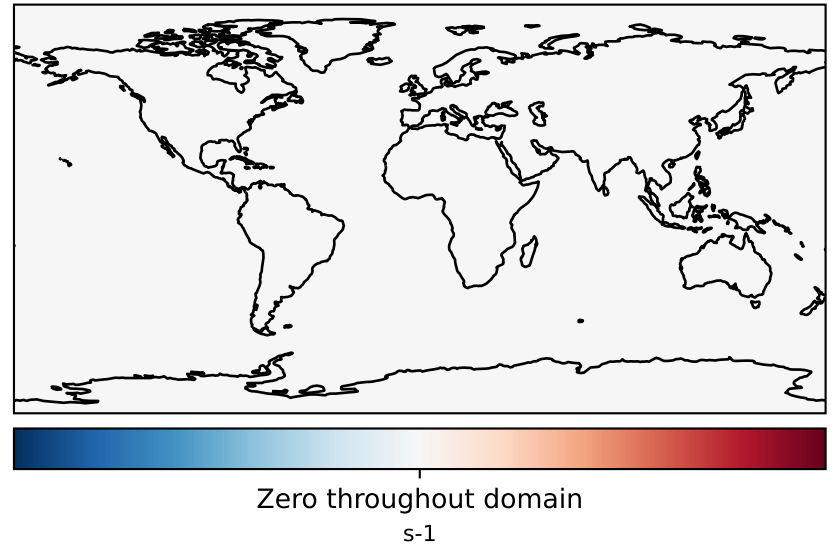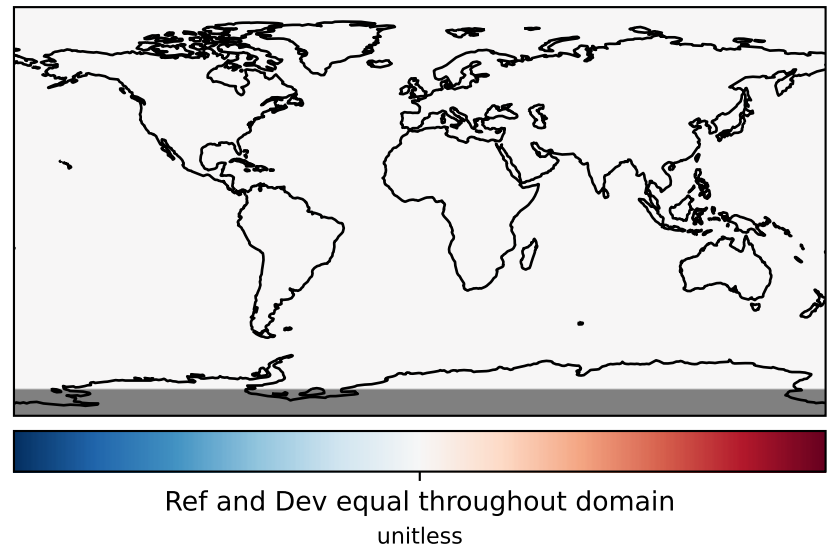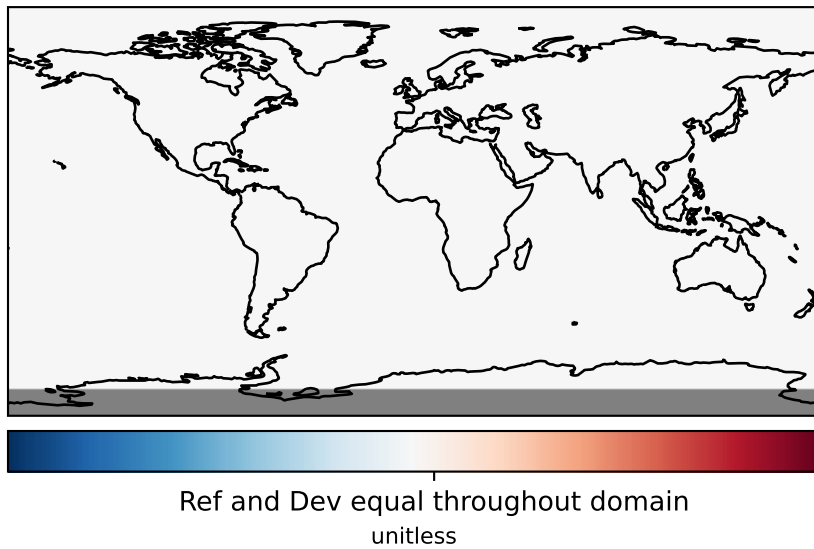
Difference
Dev - Ref, Restricted Range [5%,95%]

Zero throughout domain
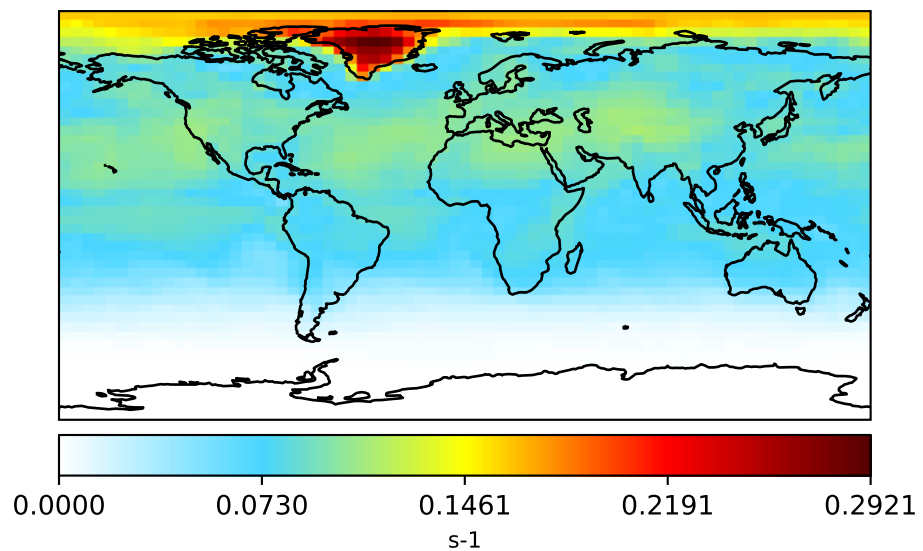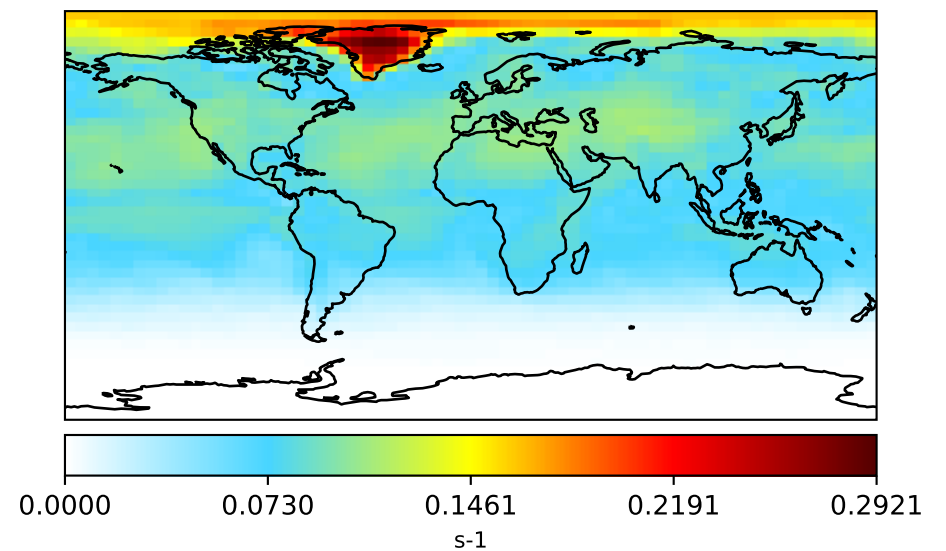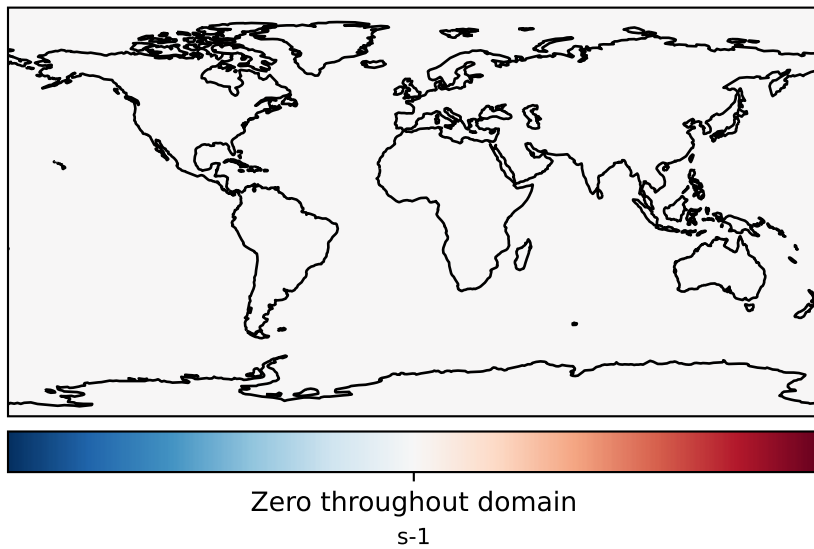s-1

Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

Ref and Dev equal throughout domain
unitless

Jval_PINAL

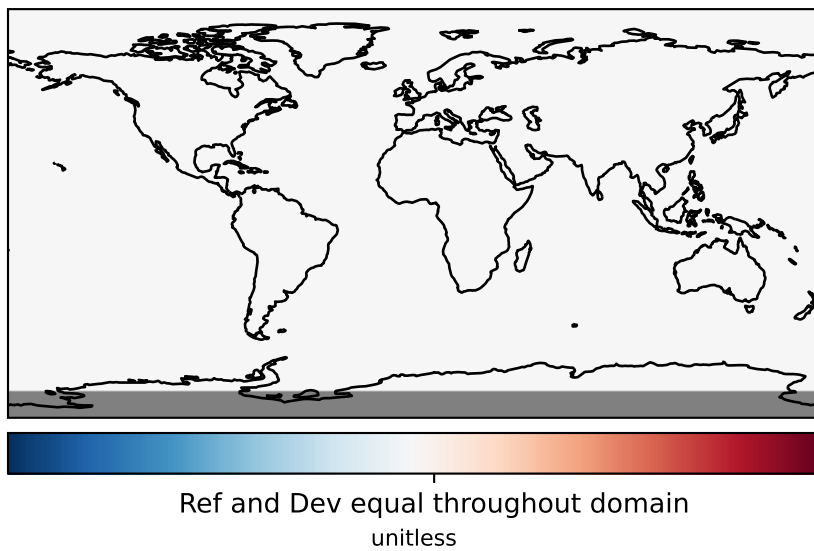gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0

gcc-4x5-1Mon-14.6.3 (Dev)
4.0x5.0

s-1

1e−6

s-1

1e−6

Difference
Dev - Ref, Dynamic Range

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

Zero throughout domain
s-1

Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

Ref and Dev equal throughout domain
unitless

Jval_PINO3H

gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0

gcc-4x5-1Mon-14.6.3 (Dev)
4.0x5.0

s-1
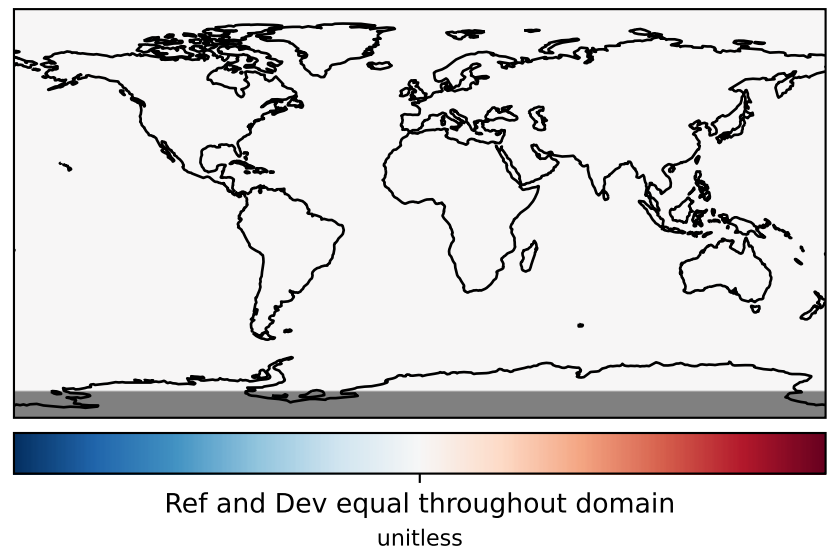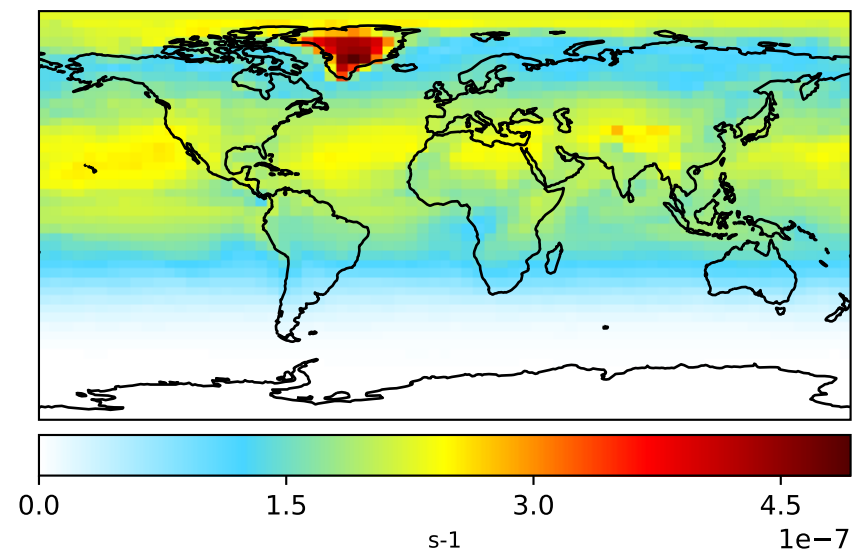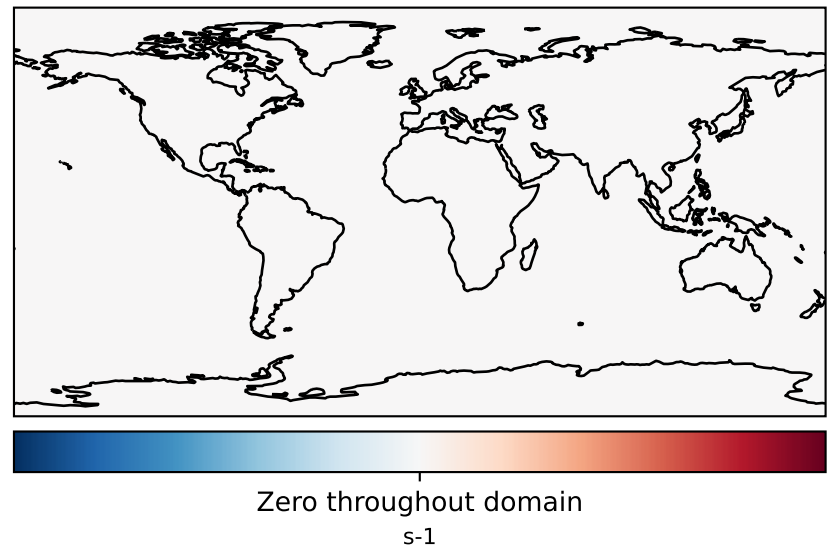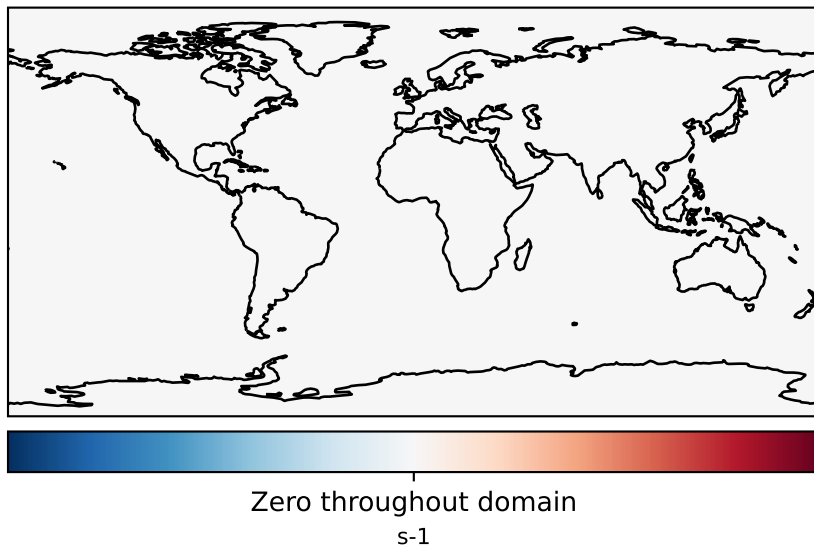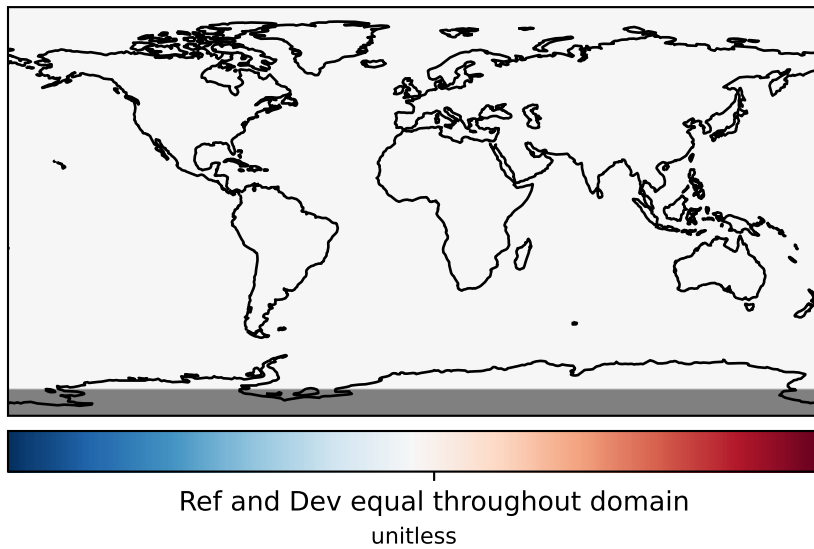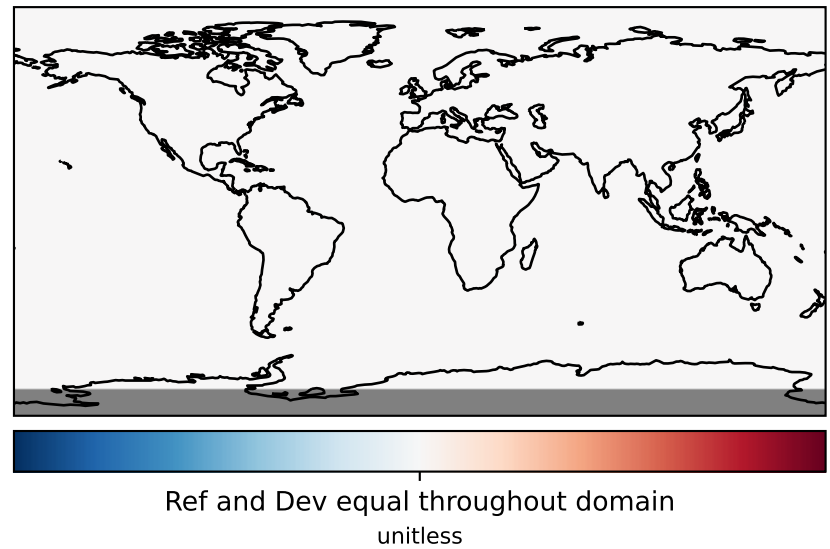
s-1

Difference
Dev - Ref, Dynamic Range

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

Zero throughout domain
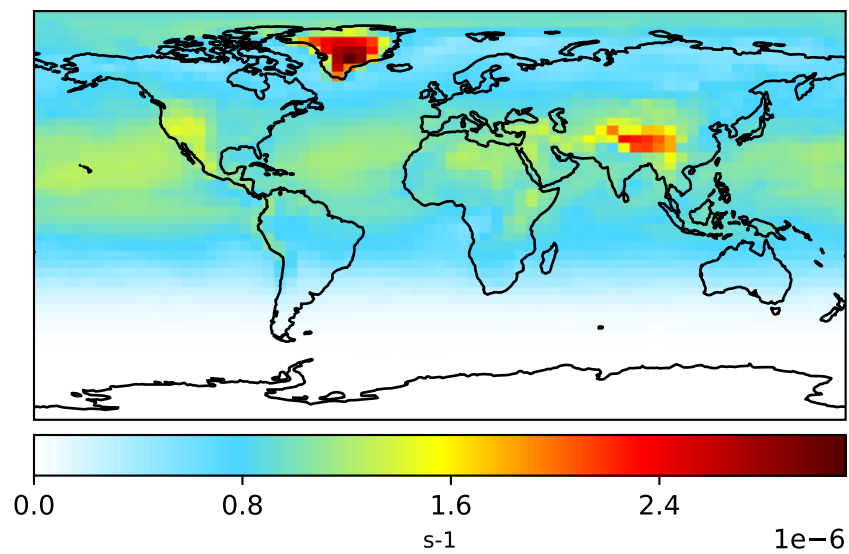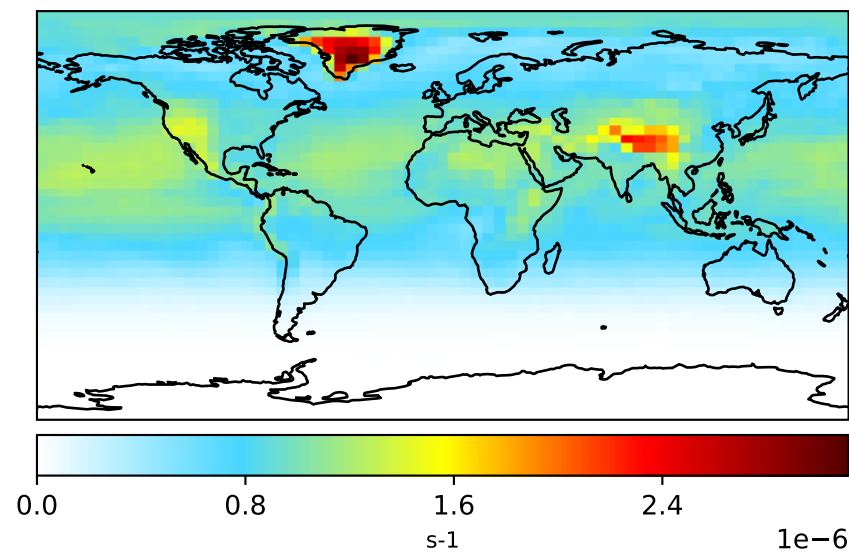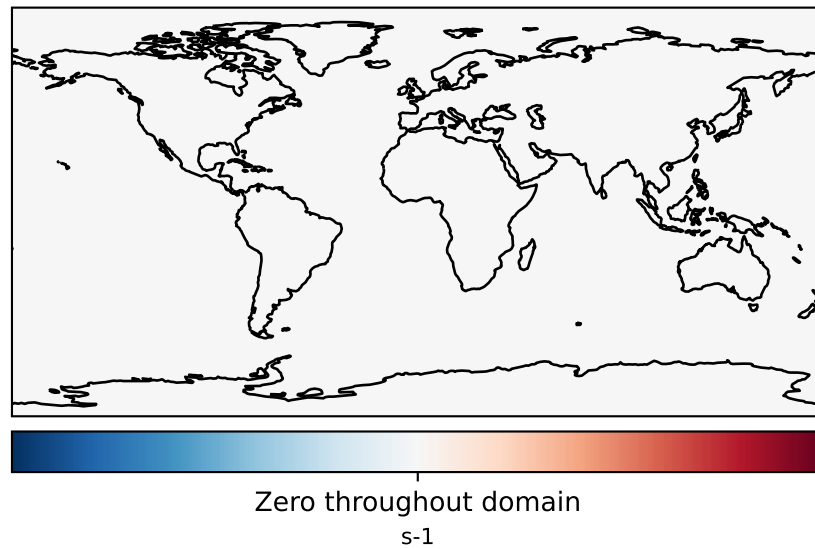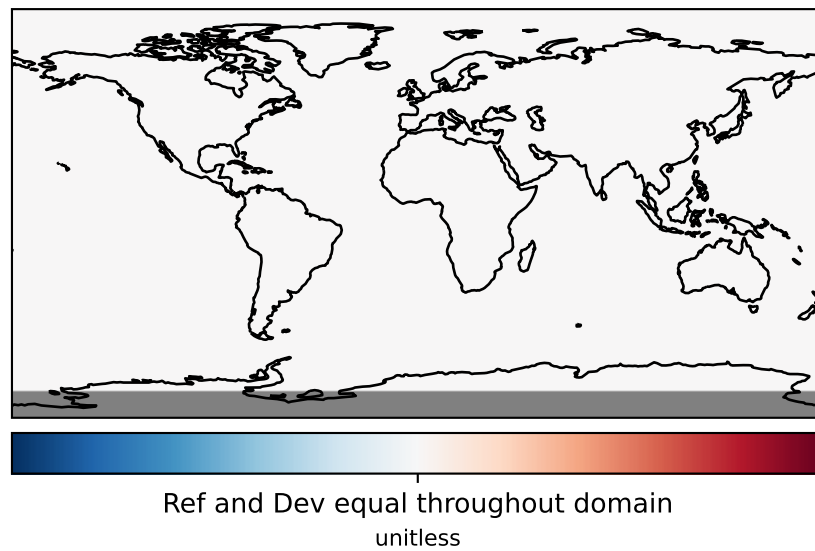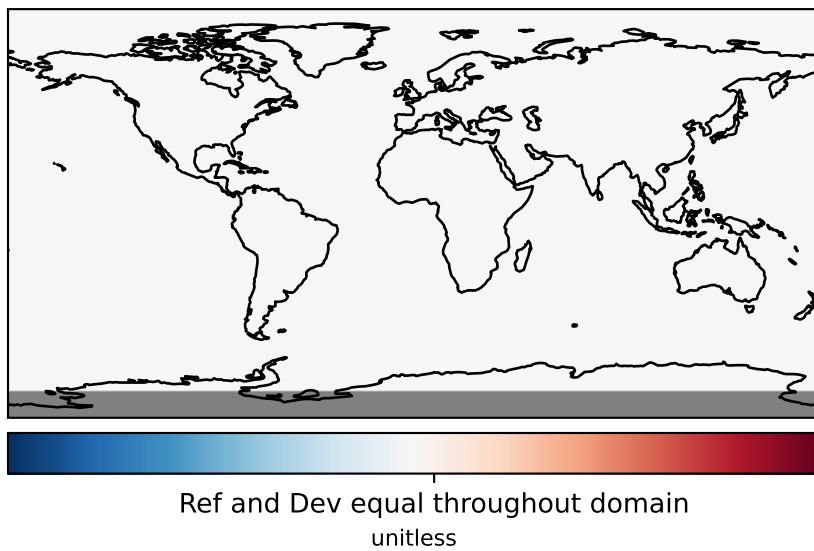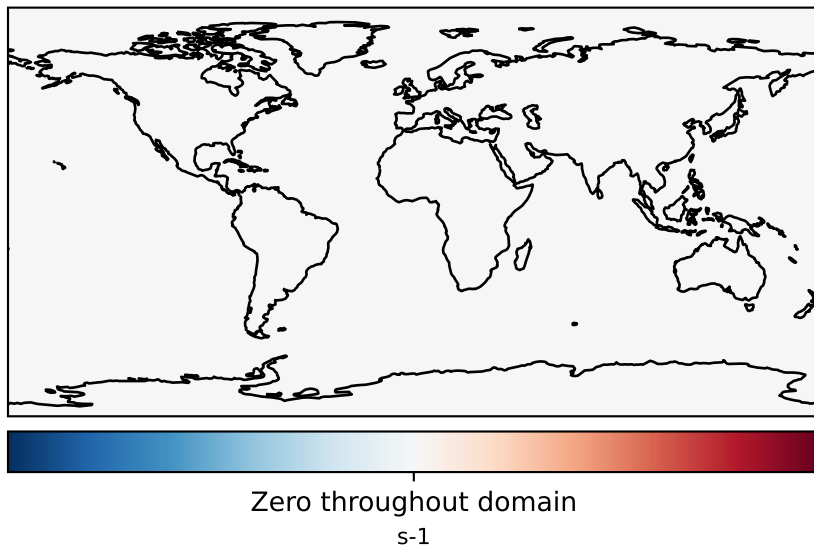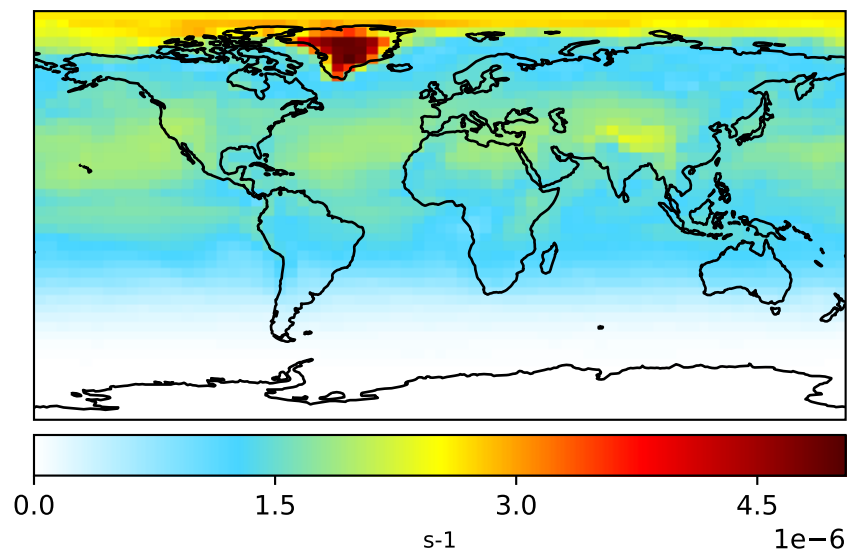s-1

Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

Ref and Dev equal throughout domain
unitless

Jval_PINONIC

gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0
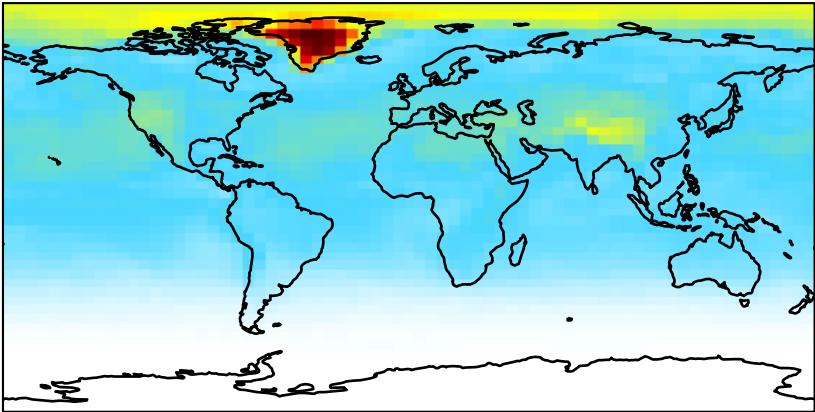
s-1

gcc-4x5-1Mon-14.6.3 (Dev)
4.0x5.0

s-1

Difference
Dev - Ref, Dynamic Range
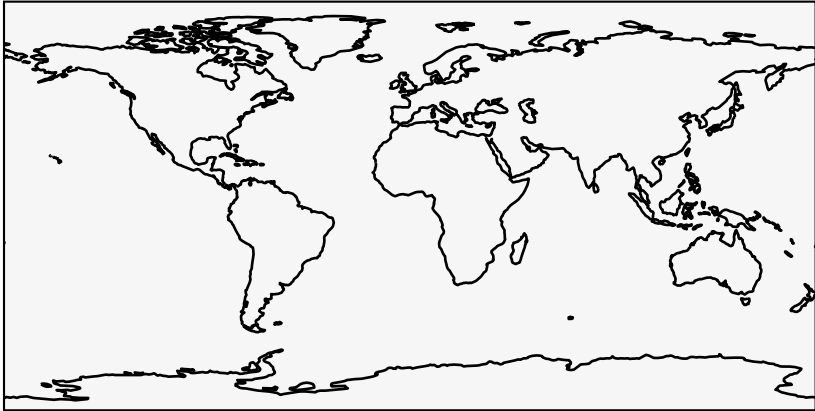
Zero throughout domain
s-1

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

Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ref and Dev equal throughout domain
unitless

Ratio
Dev/Ref, Fixed Range

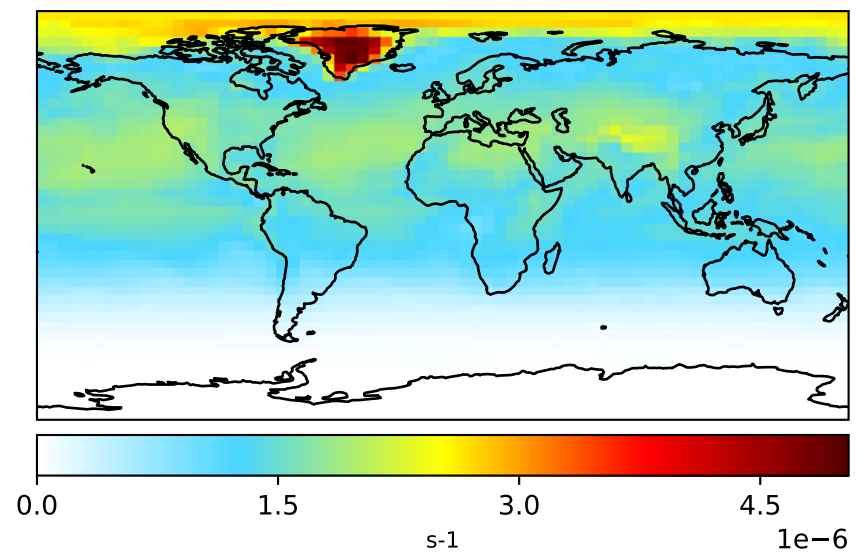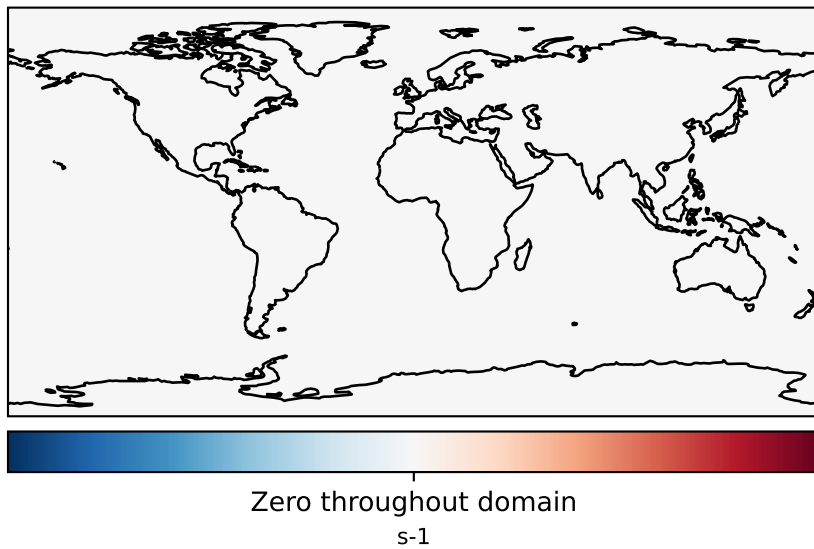Ref and Dev equal throughout domain
unitless

Jval_PIP

gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0
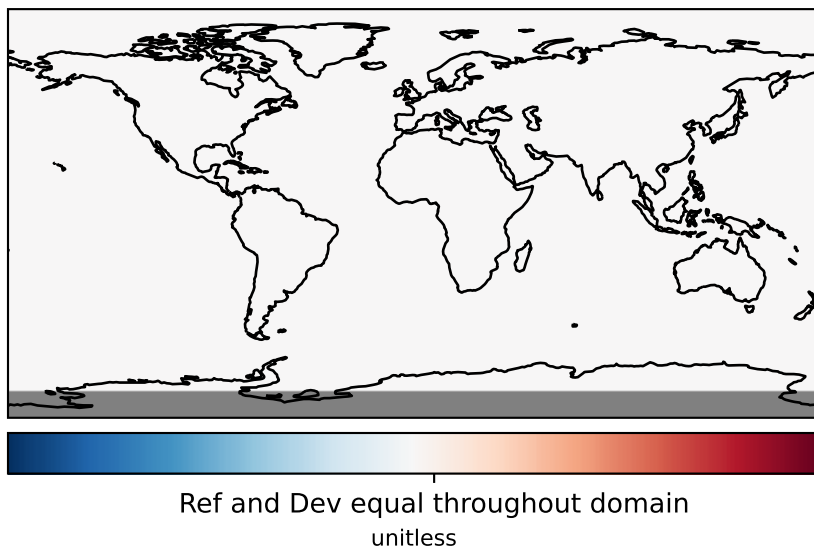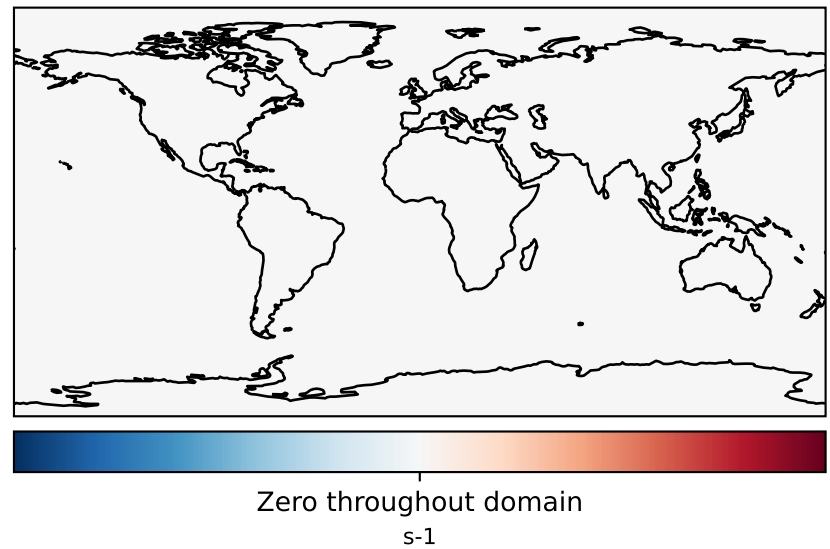
gcc-4x5-1Mon-14.6.3 (Dev)
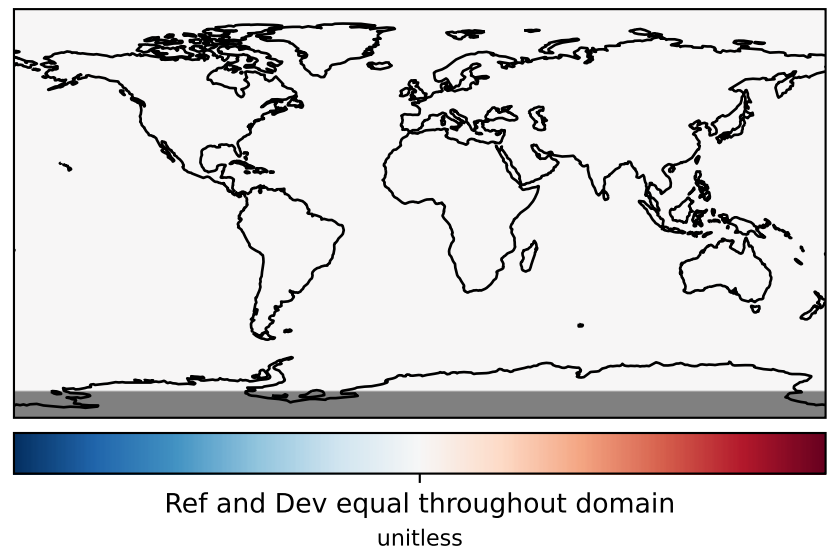4.0x5.0

s-1

Difference
Dev - Ref, Dynamic Range

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

Zero throughout domain
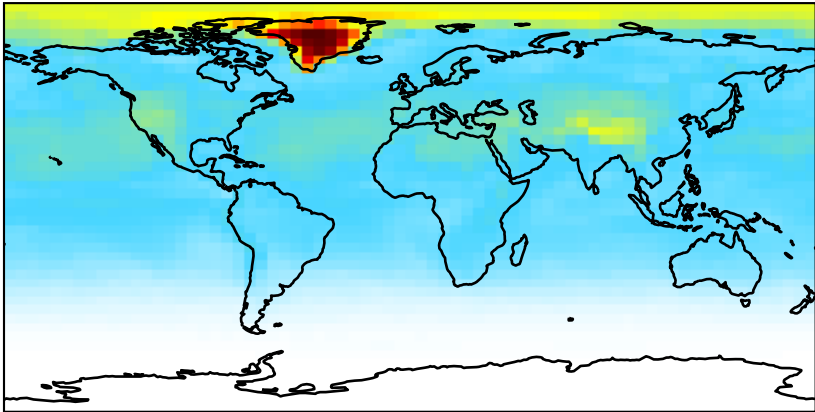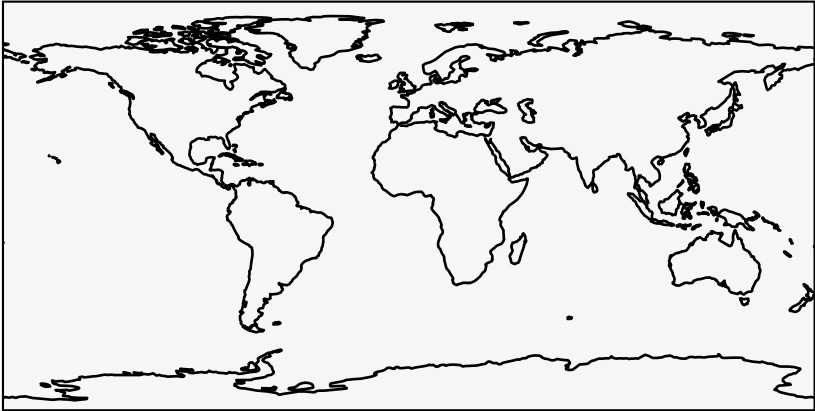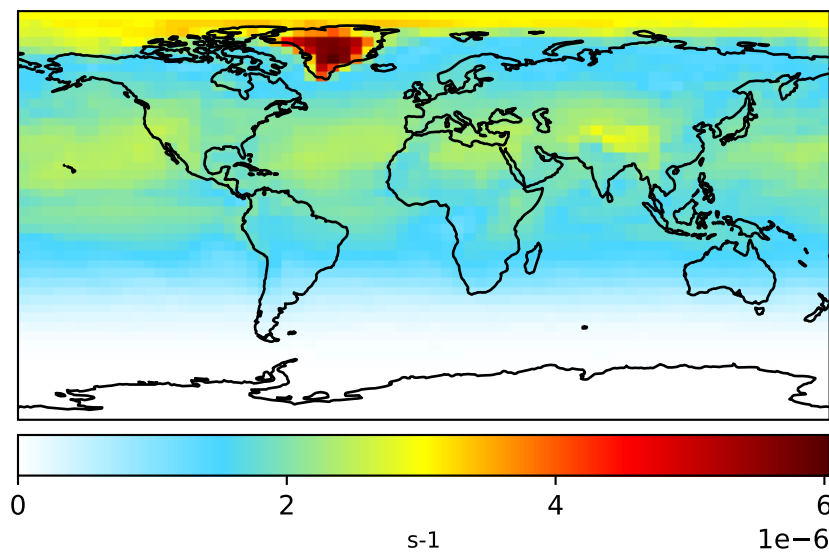s-1

Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

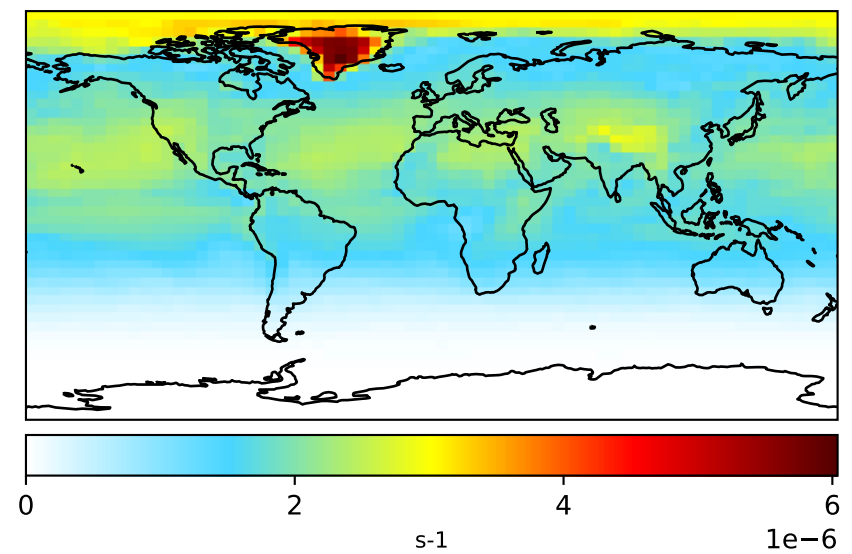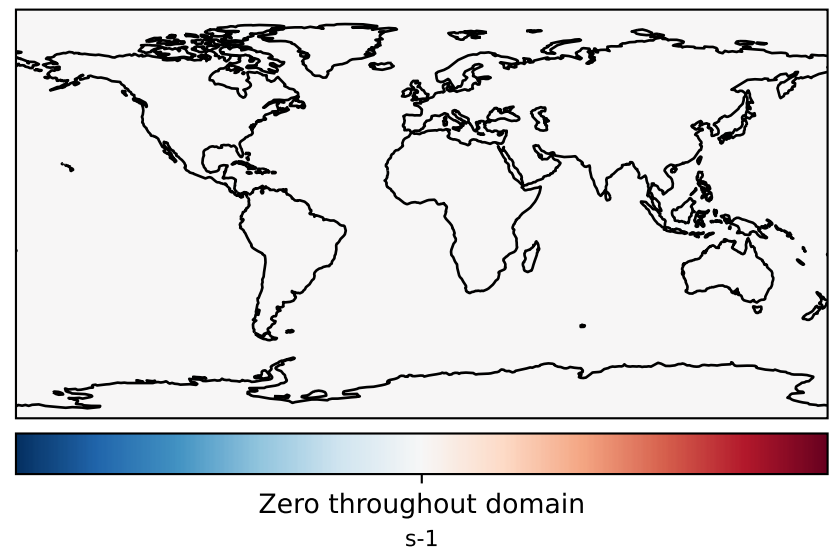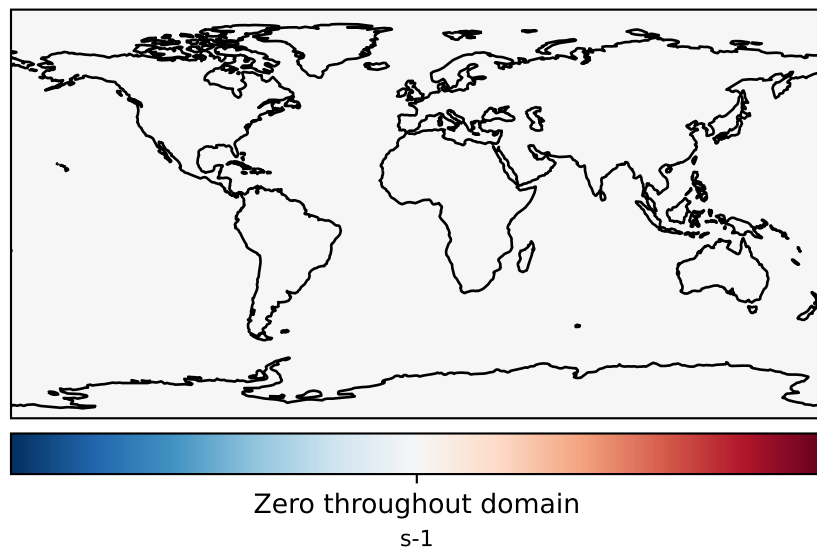Ref and Dev equal throughout domain
unitless

Ref and Dev equal throughout domain
unitless

Jval_PP

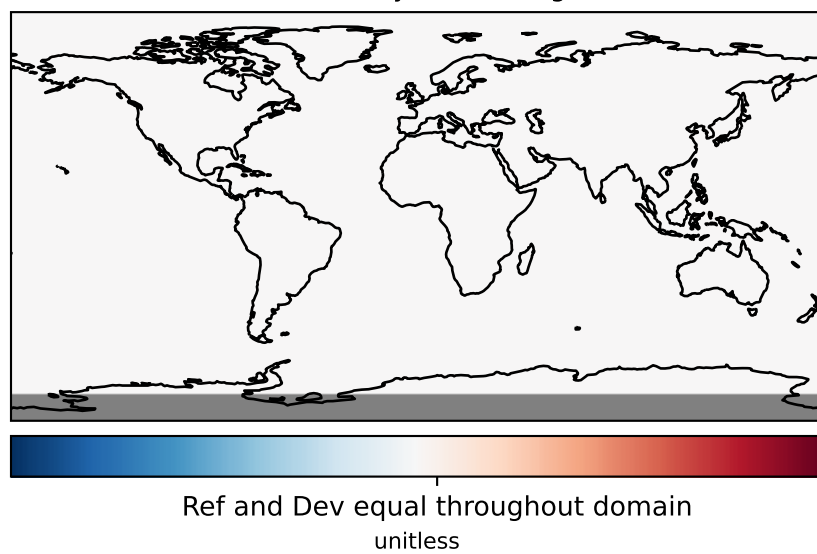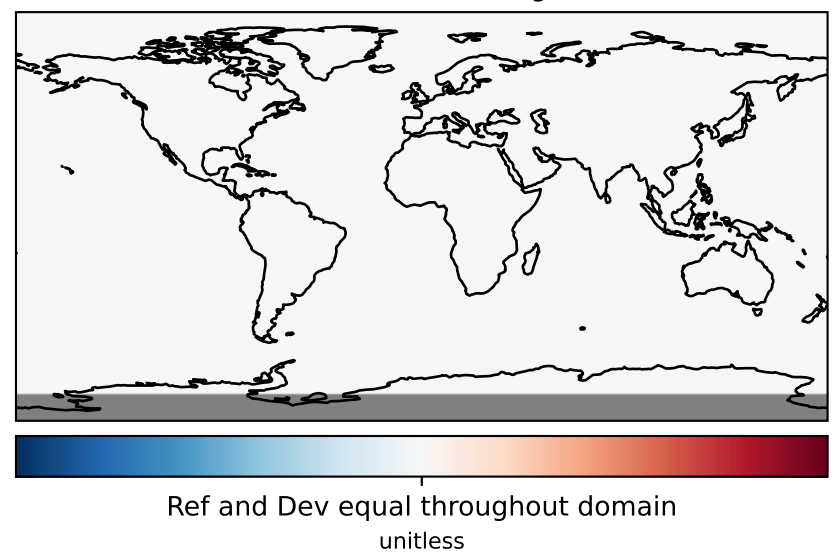gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0

gcc-4x5-1Mon-14.6.3 (Dev)
4.0x5.0

s-1   1e−6

s-1   1e−6

Difference
Dev - Ref, Dynamic Range

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

Zero throughout domain
s-1

Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

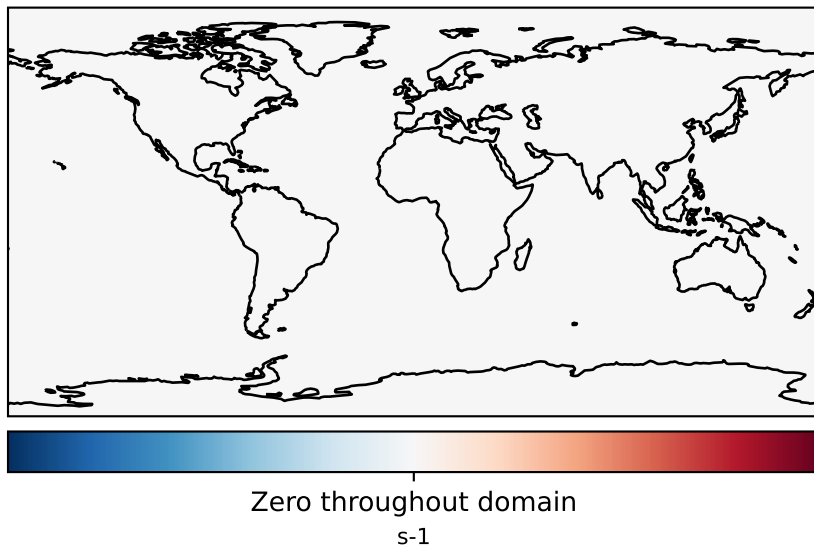Ref and Dev equal throughout domain
unitless

Ref and Dev equal throughout domain
unitless

Jval_PPN

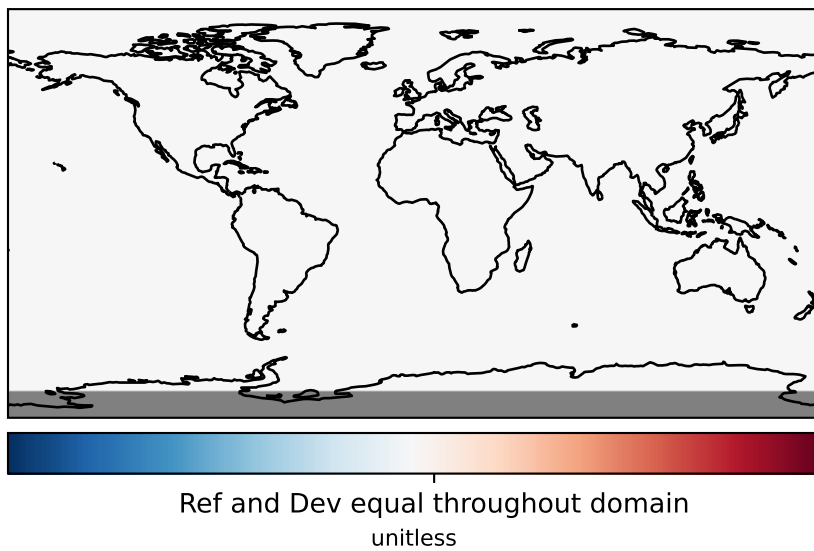gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0

gcc-4x5-1Mon-14.6.3 (Dev)
4.0x5.0

s-1

1e−7

s-1

1e−7

Difference
Dev − Ref, Dynamic Range

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

Zero throughout domain
s-1

Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

Ref and Dev equal throughout domain
unitless

Jval_PROPNN

gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0

gcc-4x5-1Mon-14.6.3 (Dev)
4.0x5.0

s-1

s-1
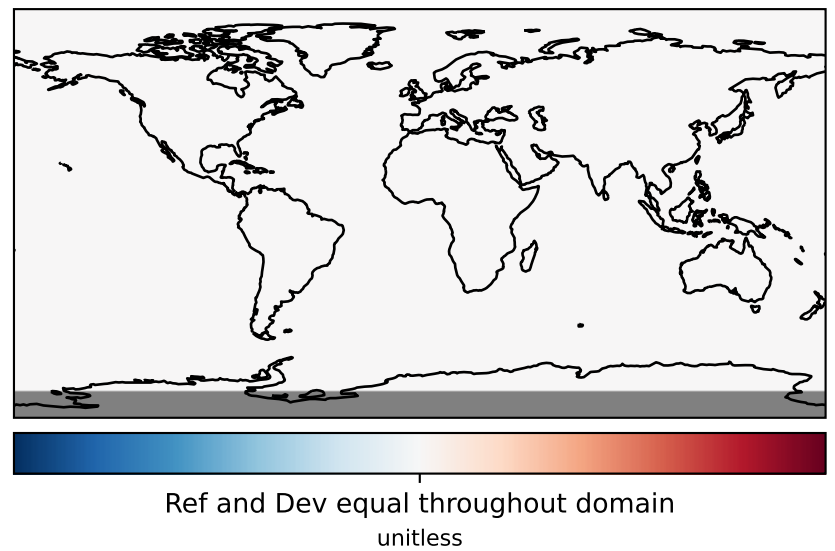
Difference
Dev - Ref, Dynamic Range
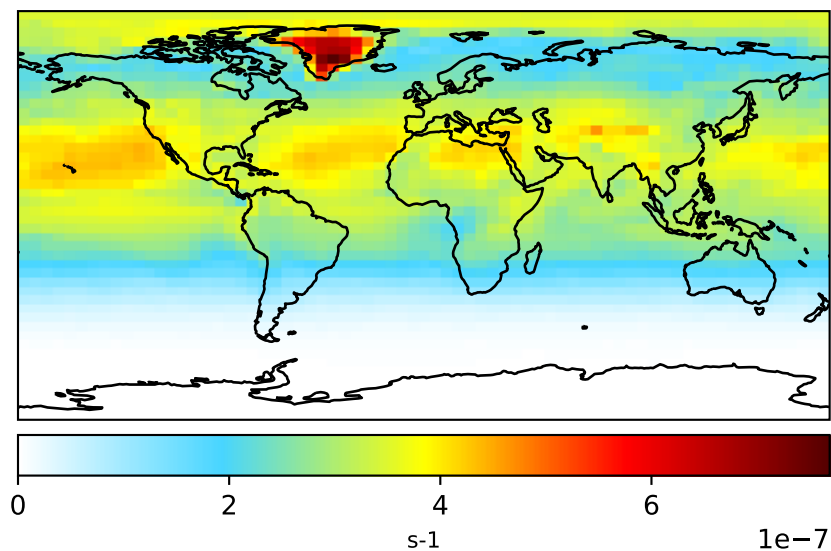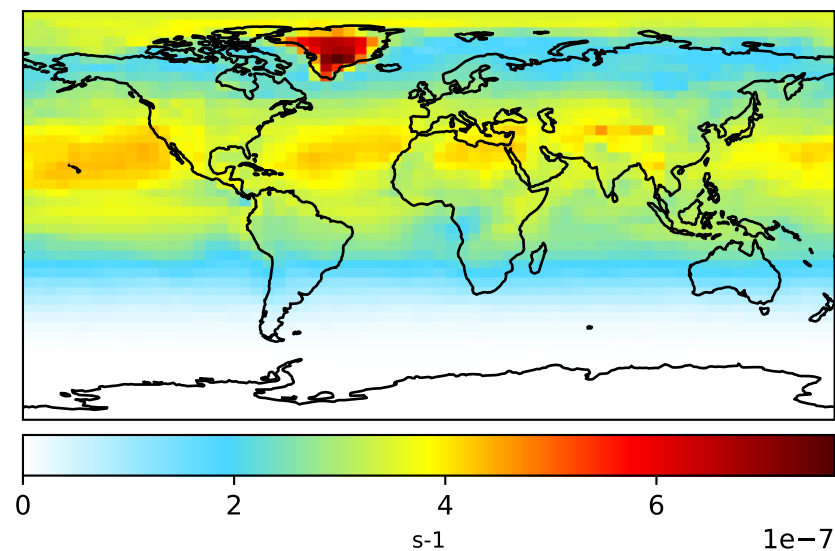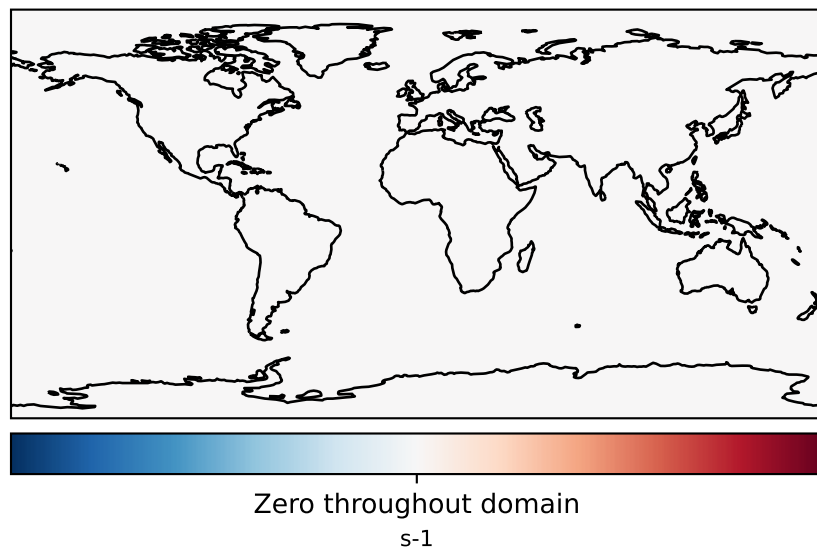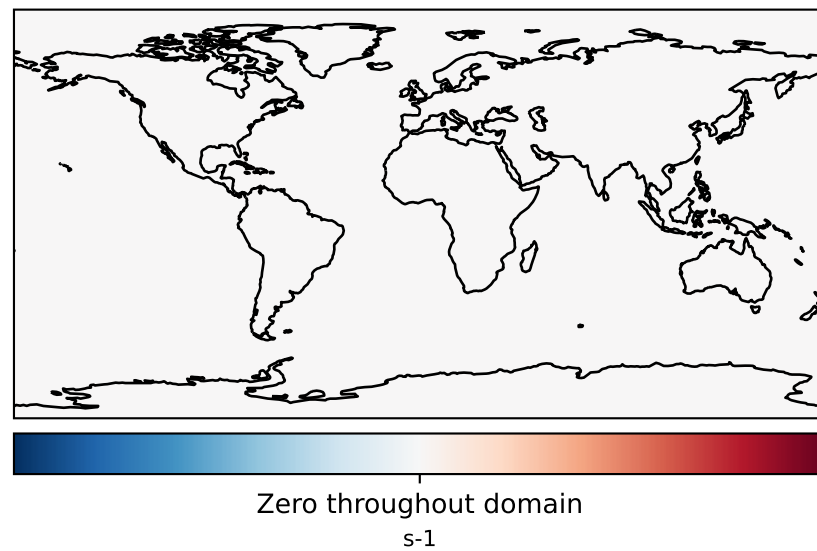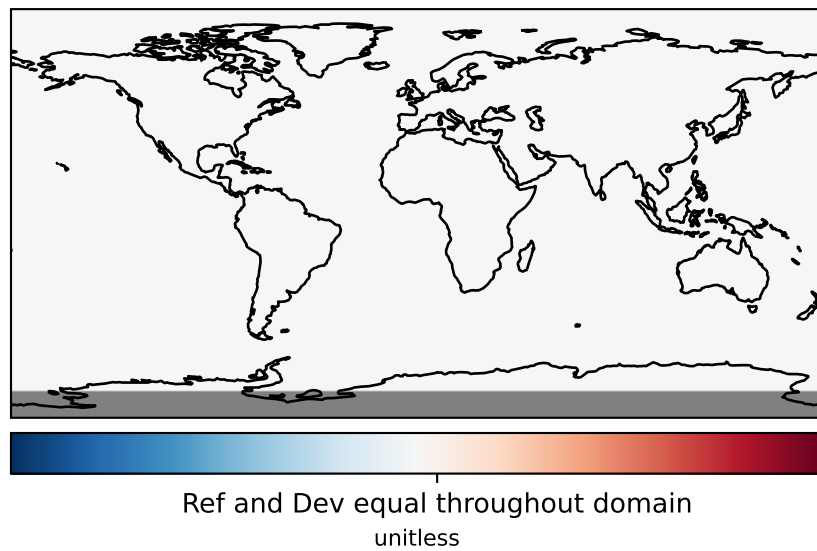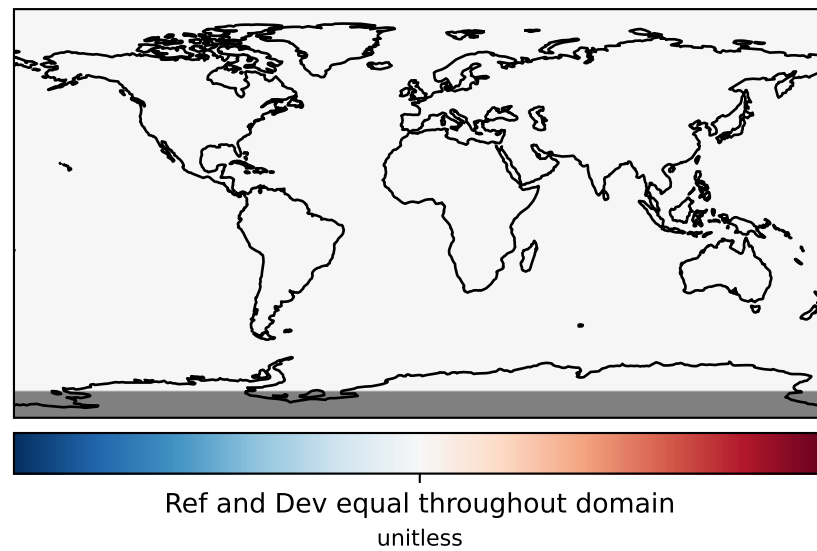
Difference
Dev - Ref, Restricted Range [5%,95%]

Zero throughout domain
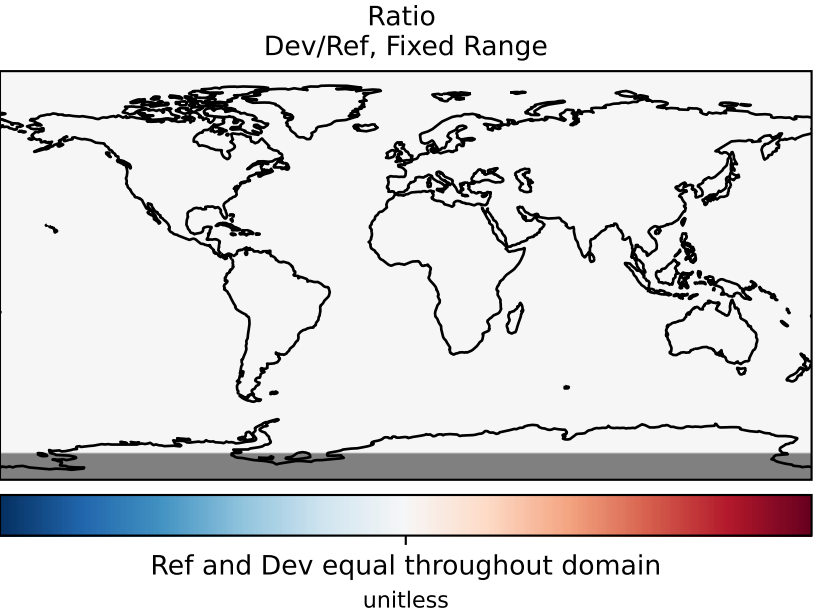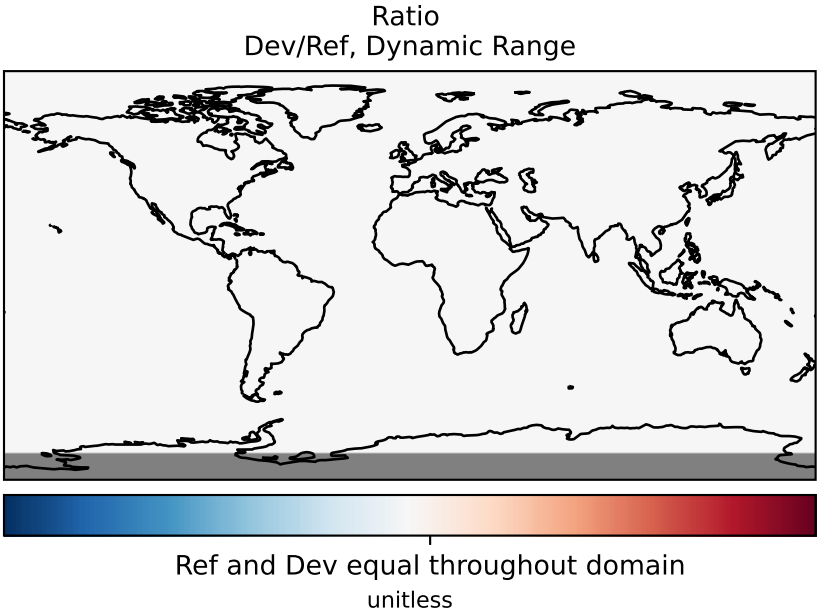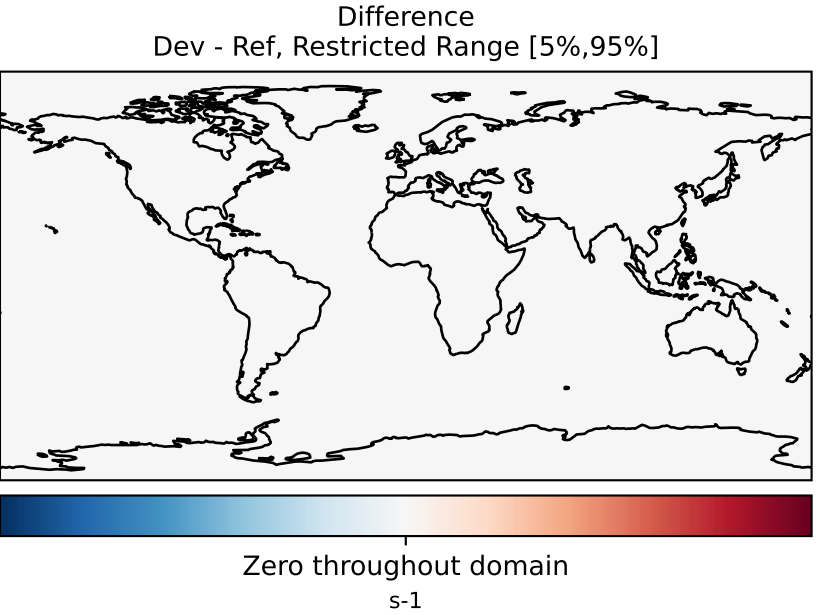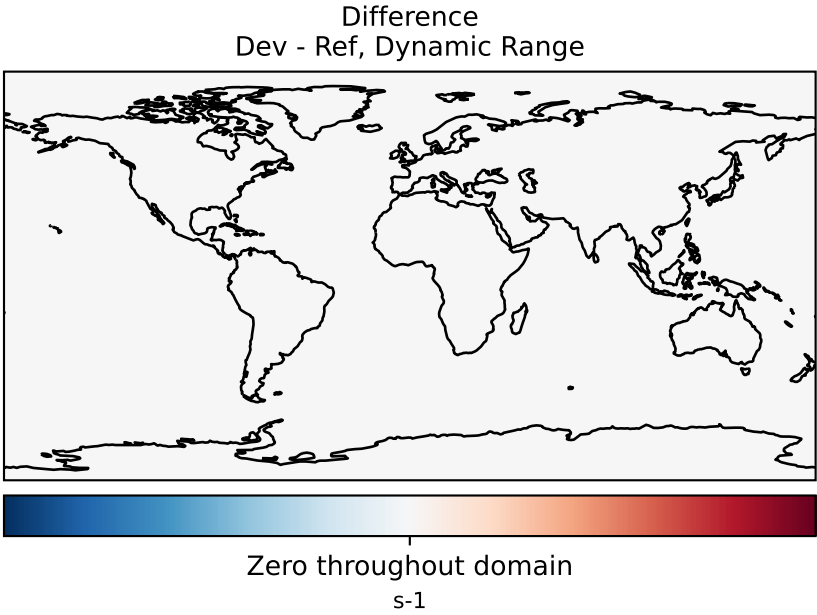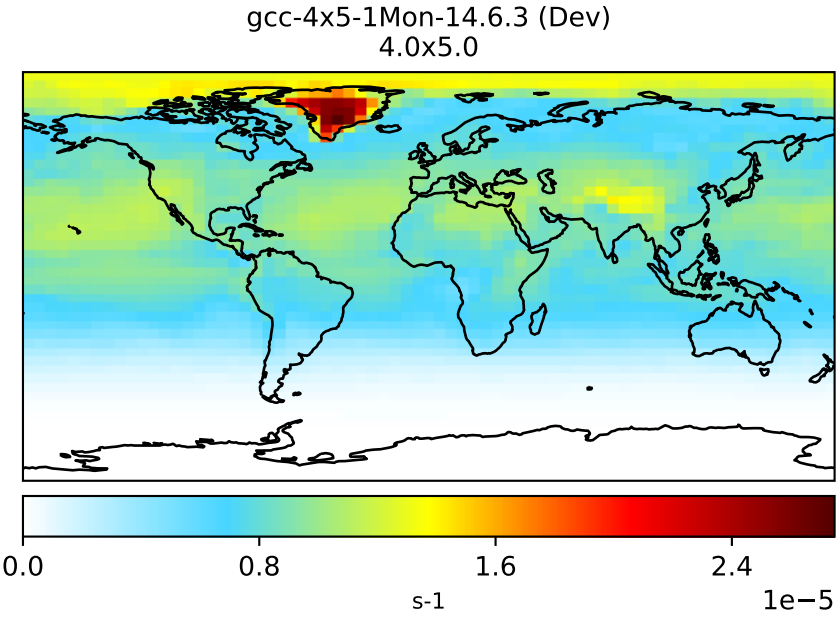s-1

Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
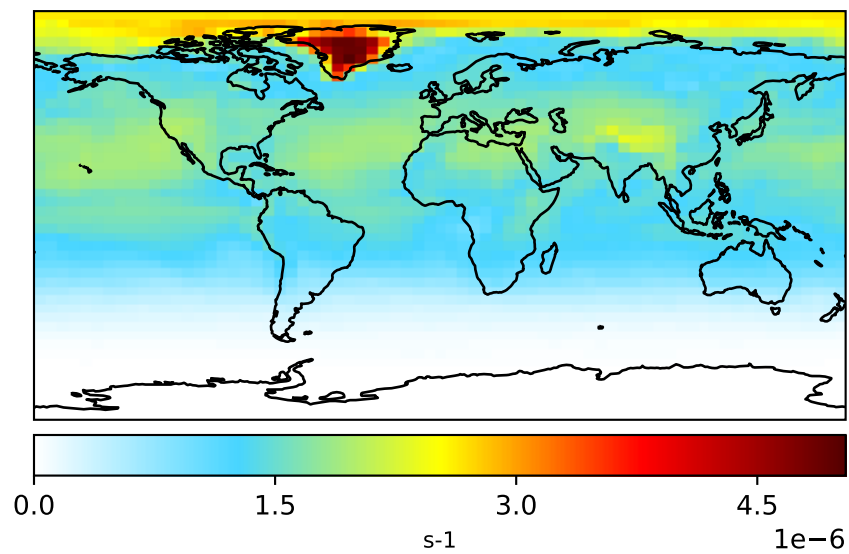unitless

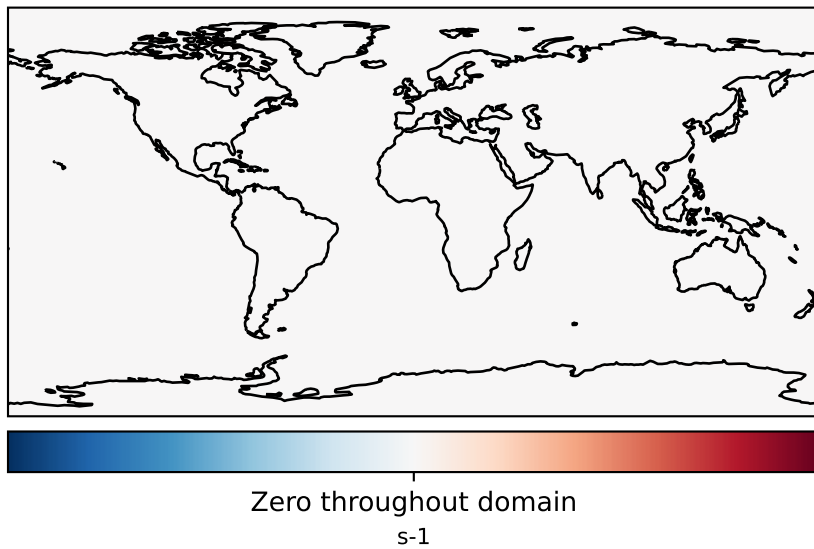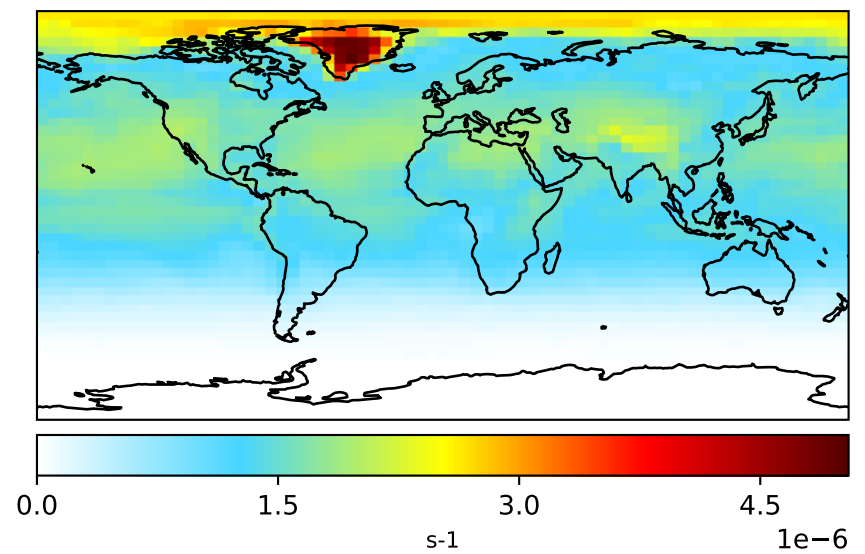Ref and Dev equal throughout domain
unitless
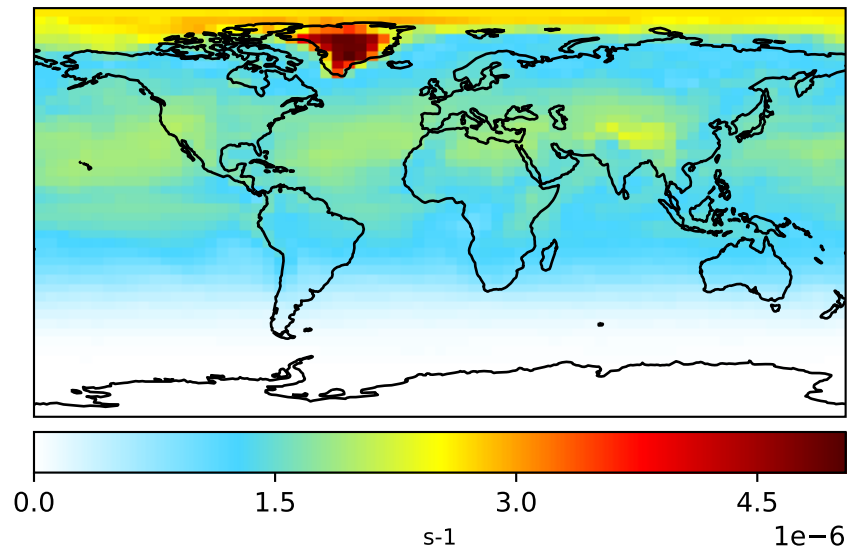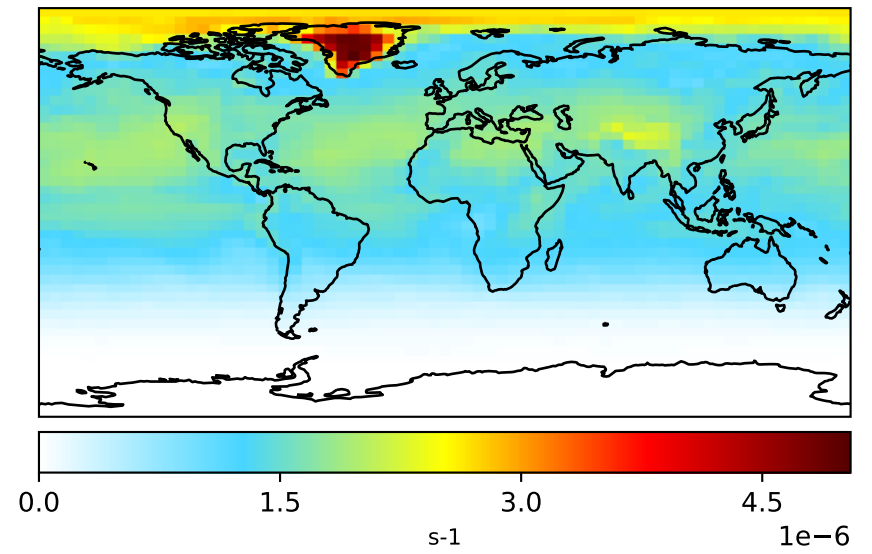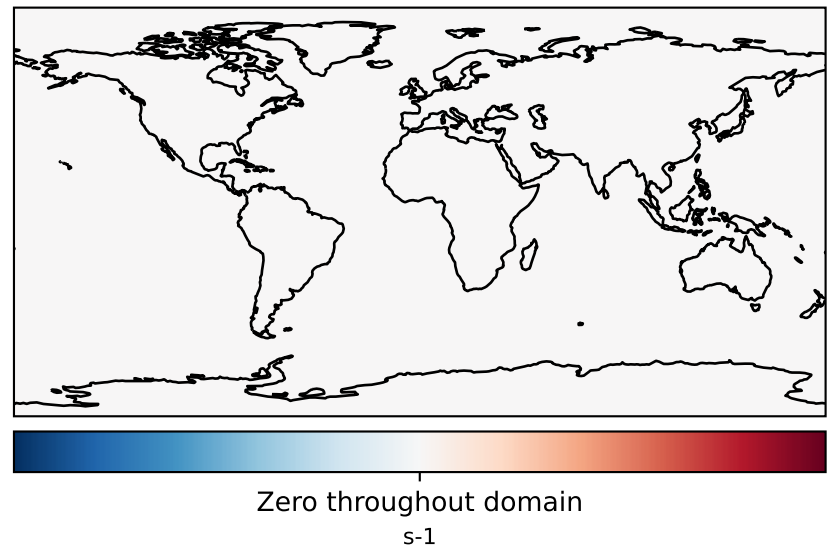
Jval_PRPN

gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0

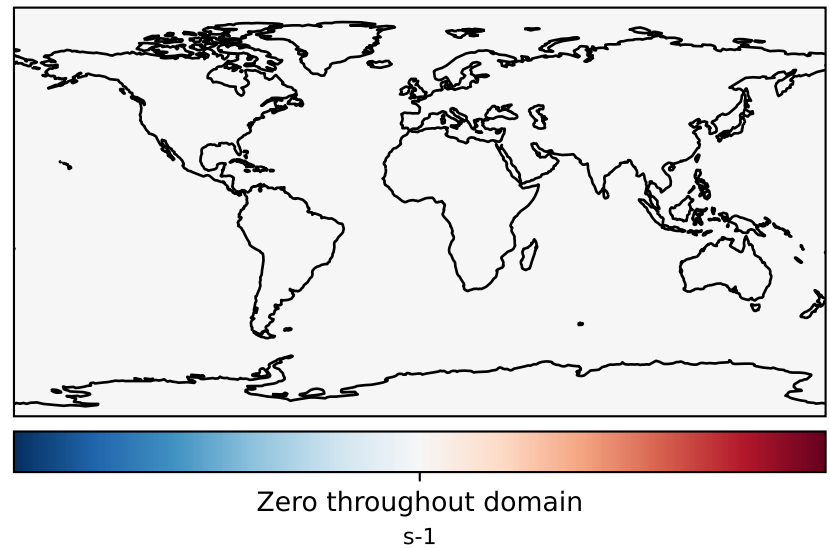gcc-4x5-1Mon-14.6.3 (Dev)
4.0x5.0

s-1

s-1

Difference
Dev - Ref, Dynamic Range

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

Zero throughout domain
s-1

Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

Ref and Dev equal throughout domain
unitless

Jval_PYAC

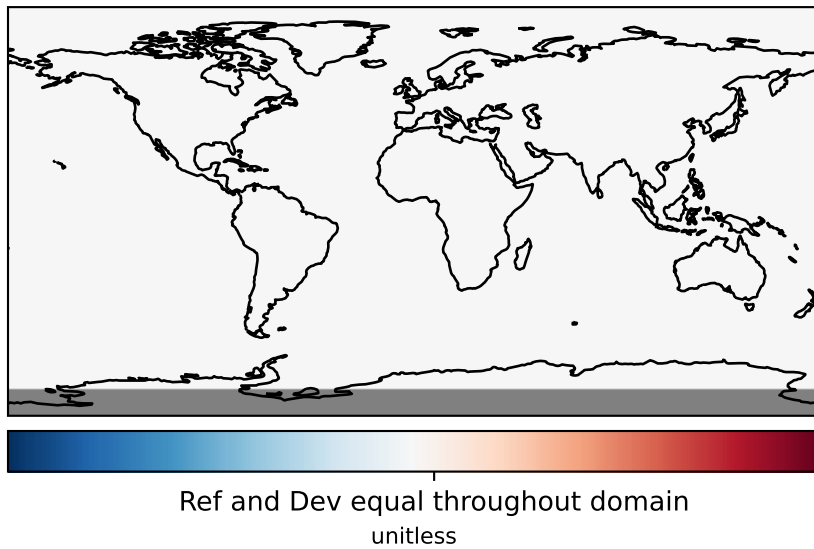gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0

gcc-4x5-1Mon-14.6.3 (Dev)
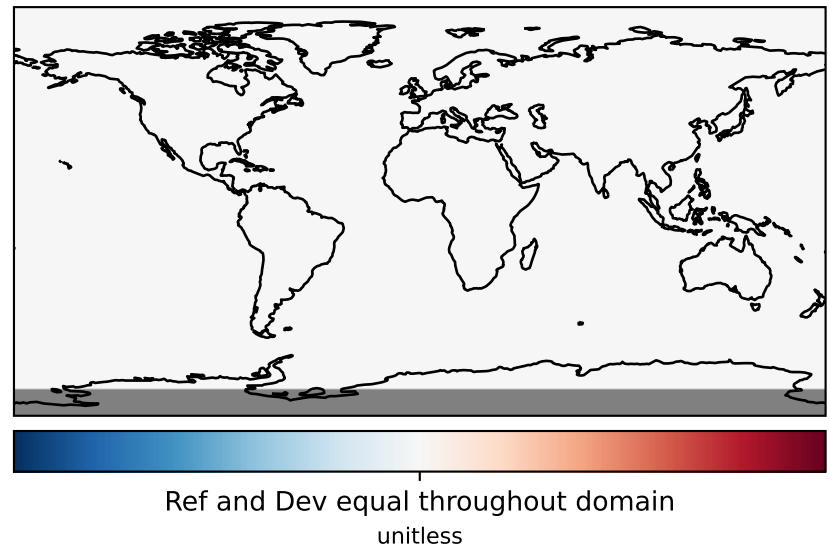4.0x5.0

s-1

s-1

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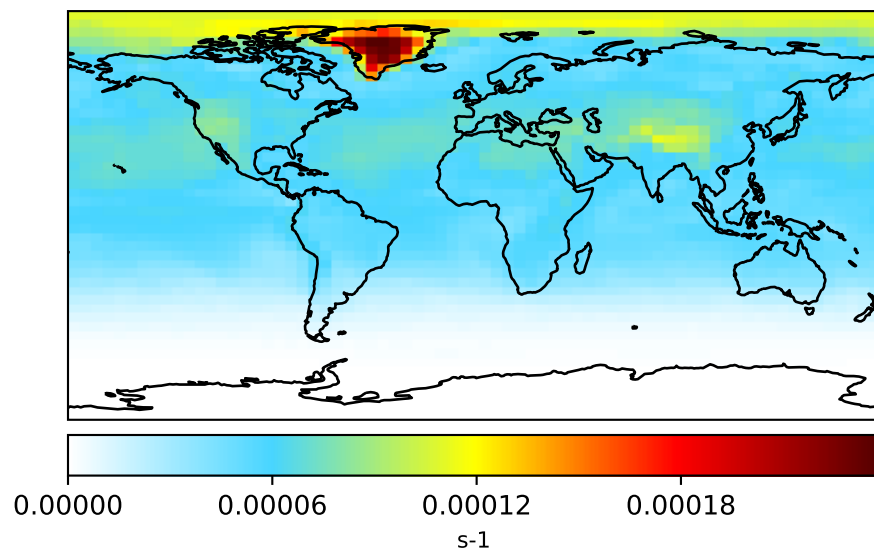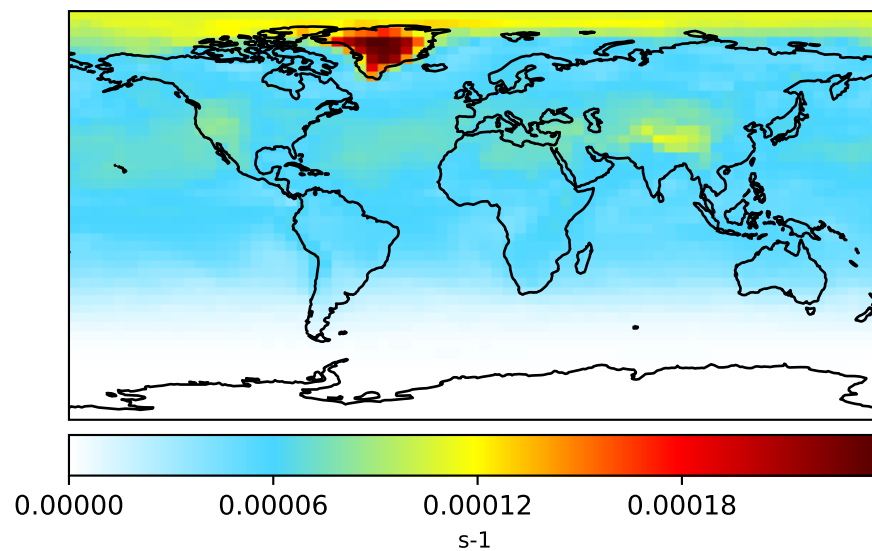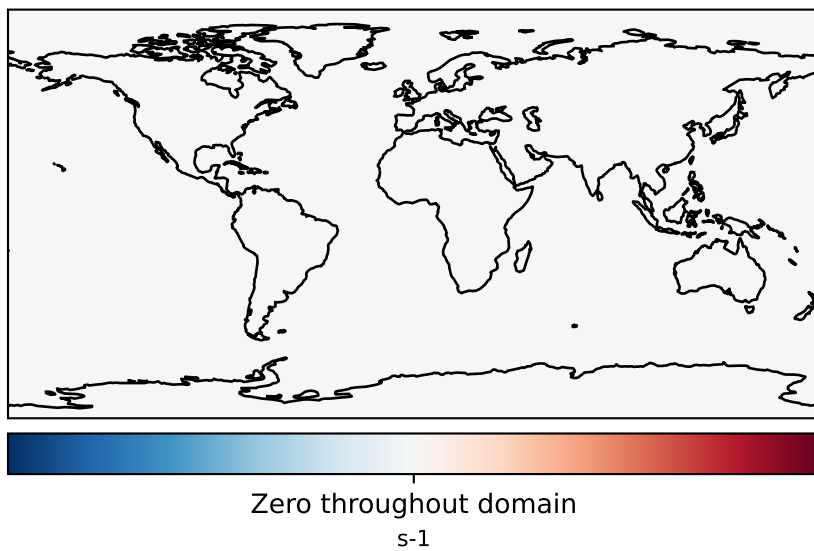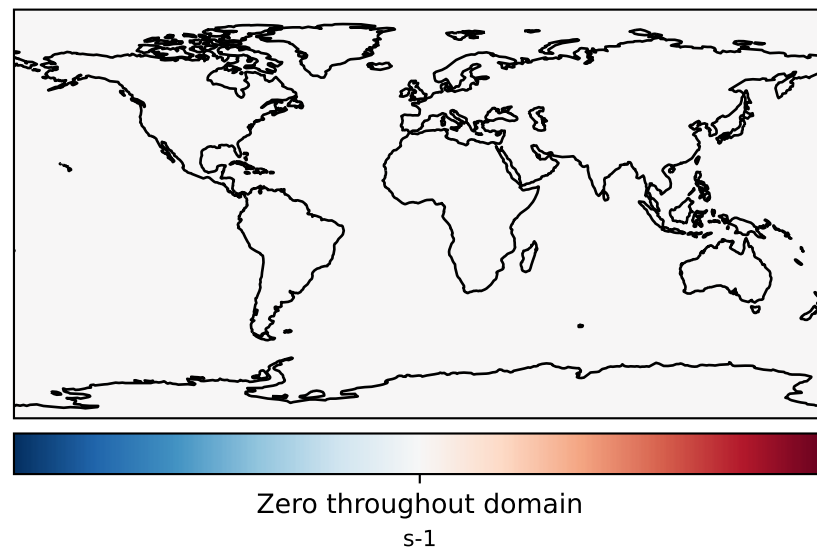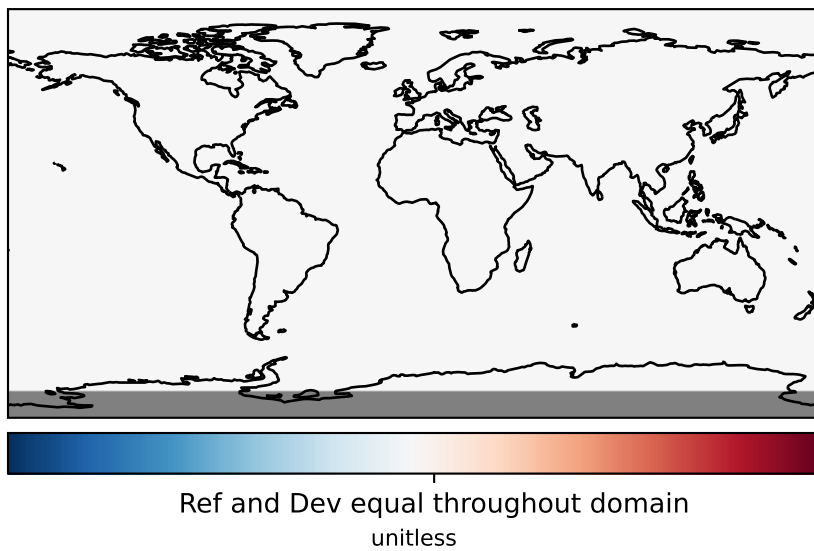
Difference
Dev - Ref, Restricted Range [5%,95%]

Zero throughout domain
s-1

Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

Ref and Dev equal throughout domain
unitless

Jval_R4N2

gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0

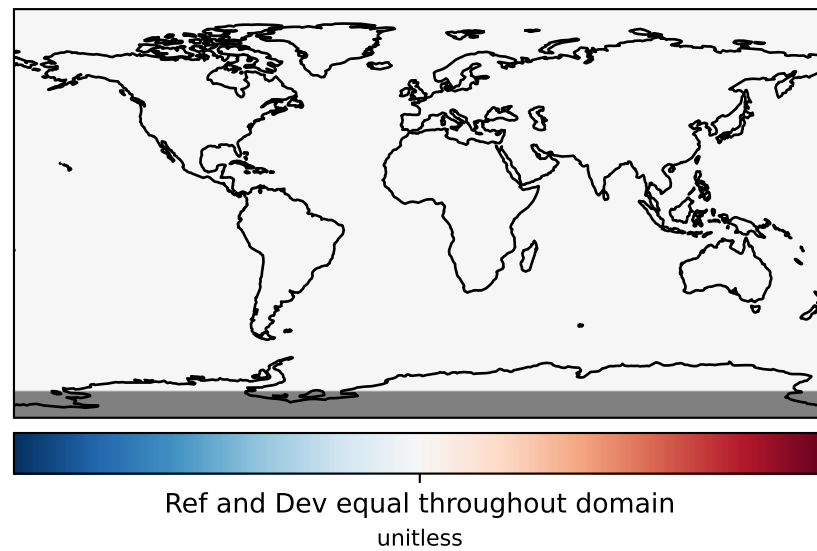gcc-4x5-1Mon-14.6.3 (Dev)
4.0x5.0

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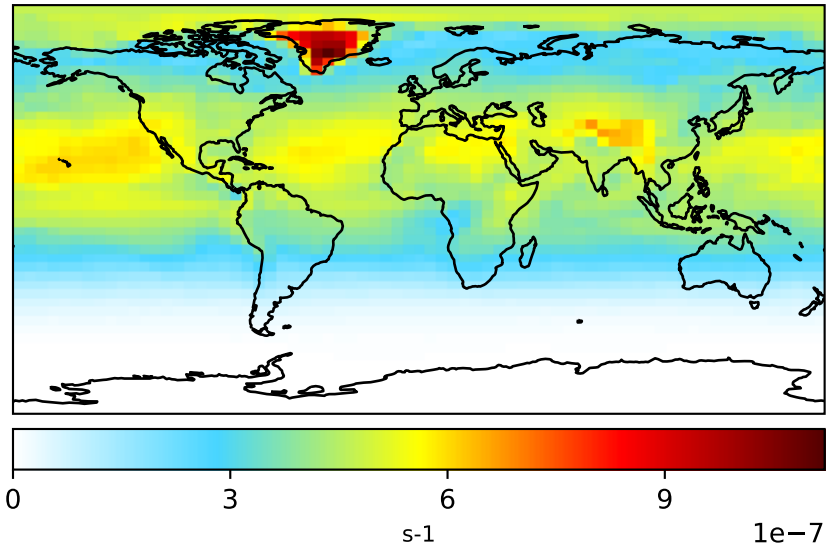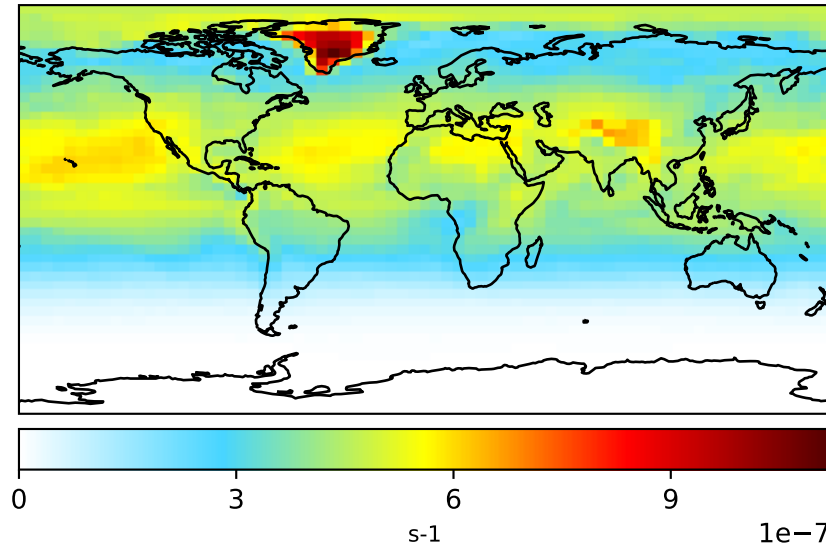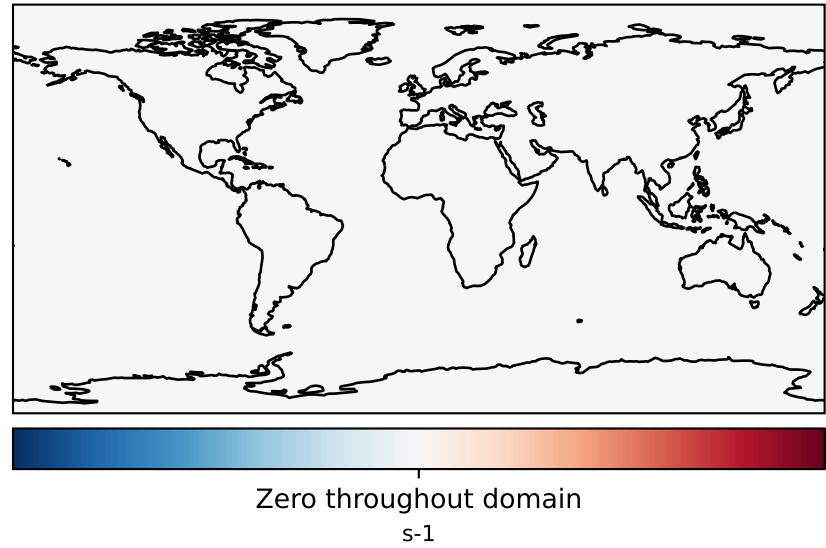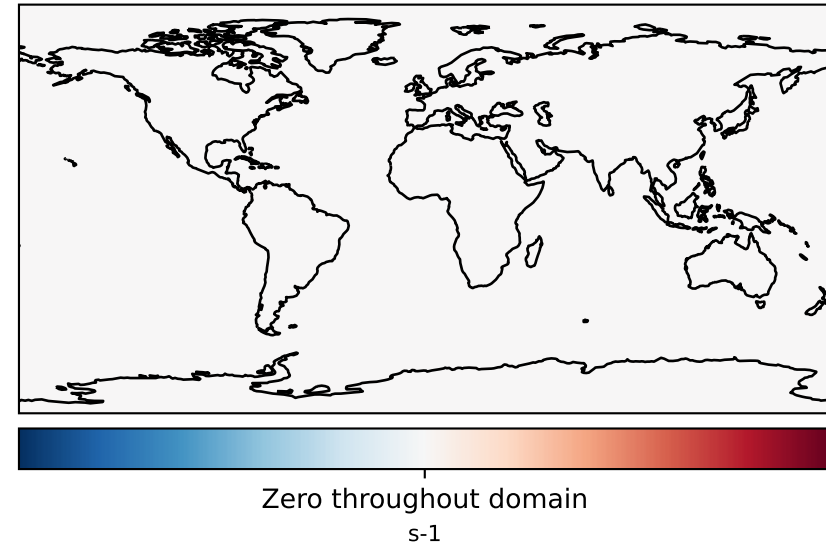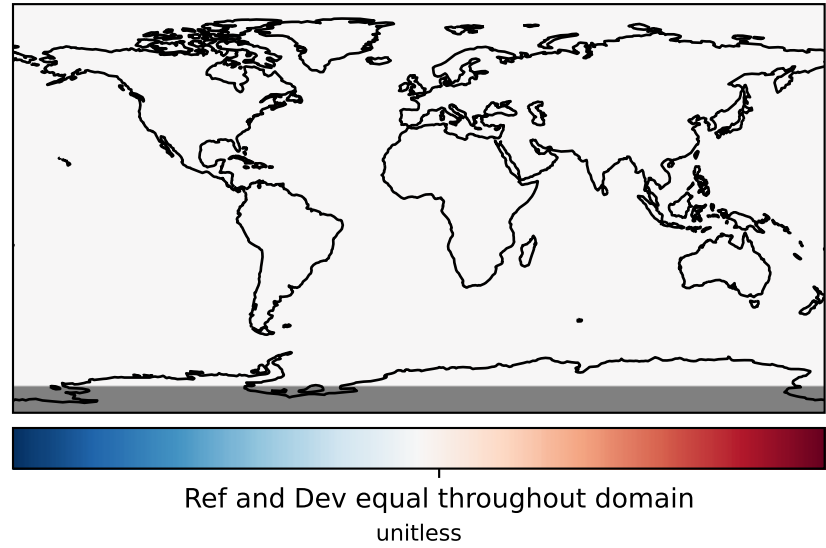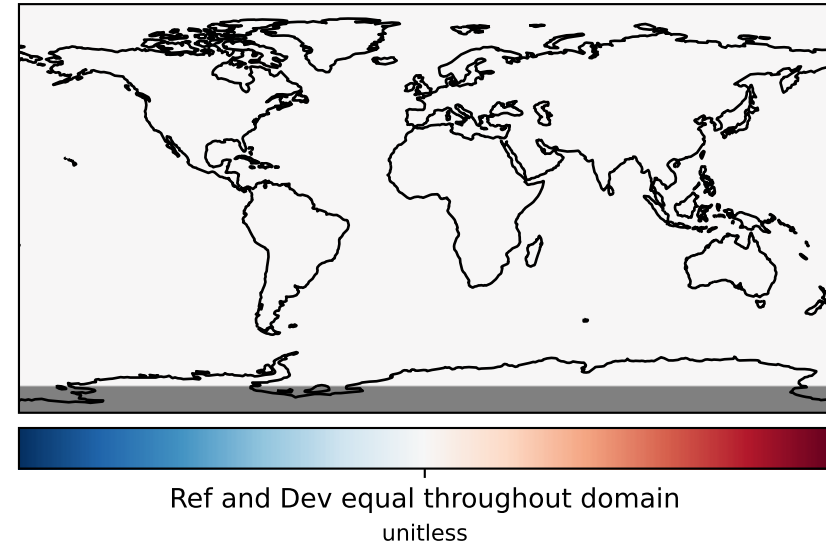
Difference
Dev - Ref, Restricted Range [5%,95%]

Zero throughout domain
s-1
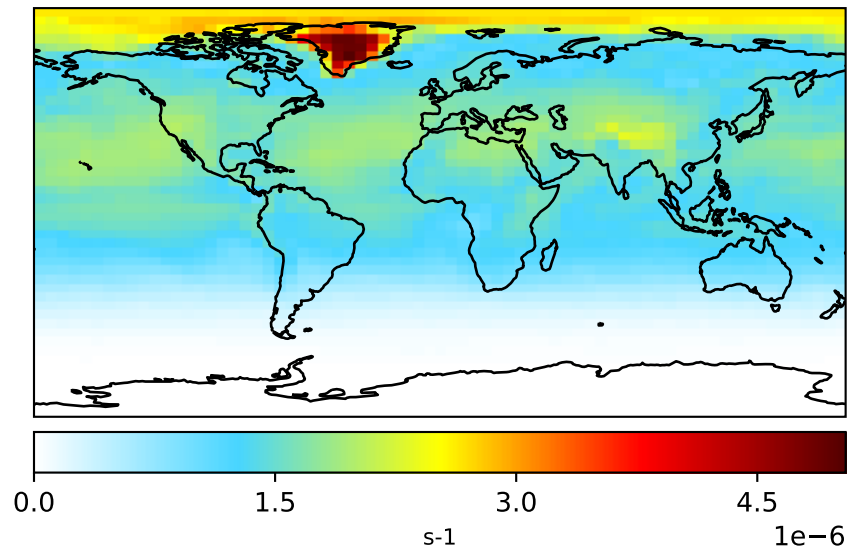
Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

Ref and Dev equal throughout domain
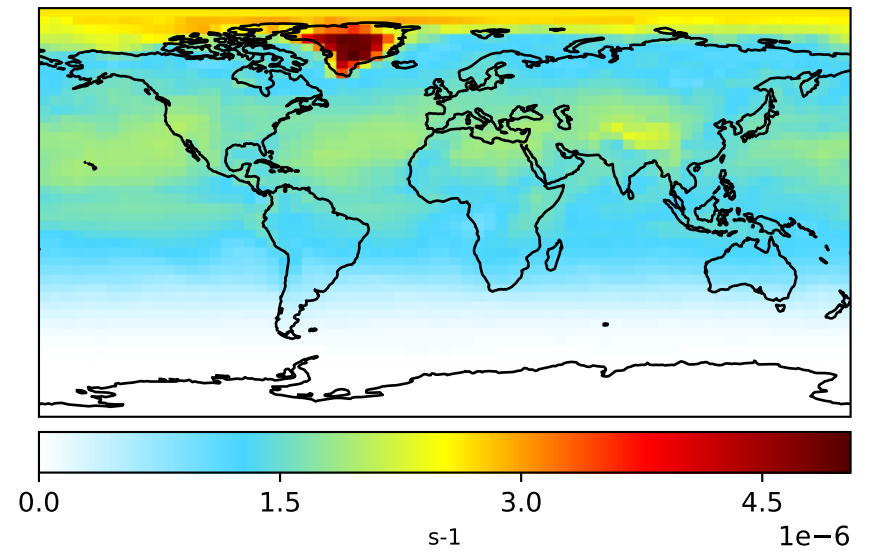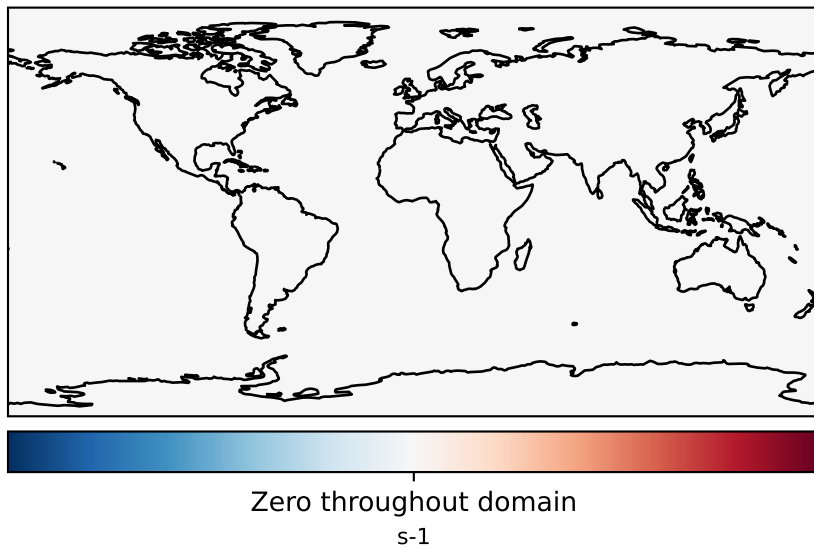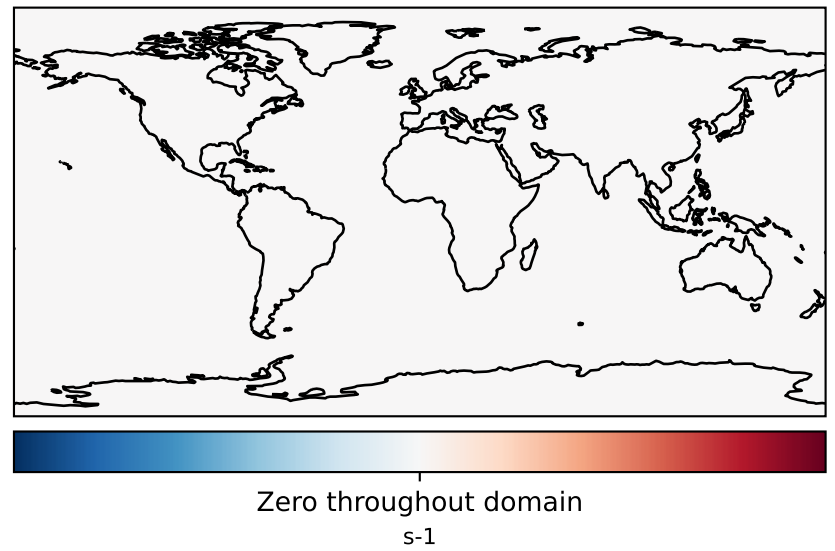unitless

Jval_R4P

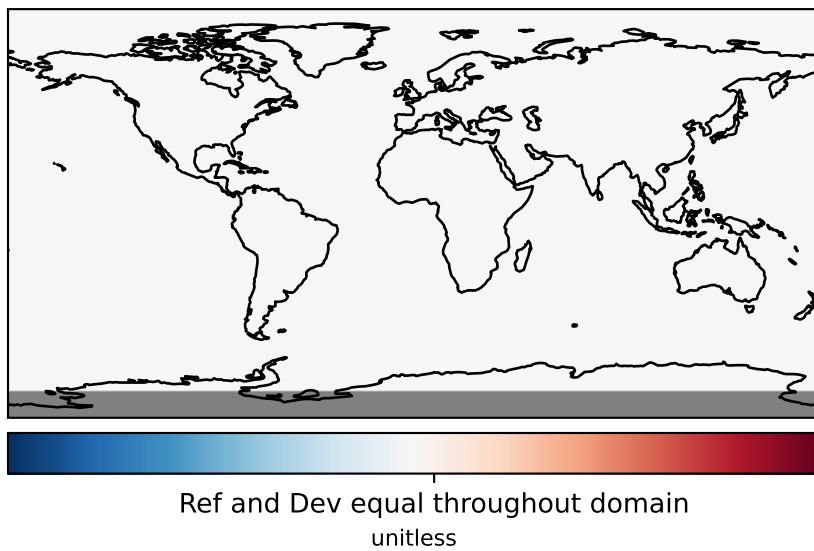gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0

gcc-4x5-1Mon-14.6.3 (Dev)
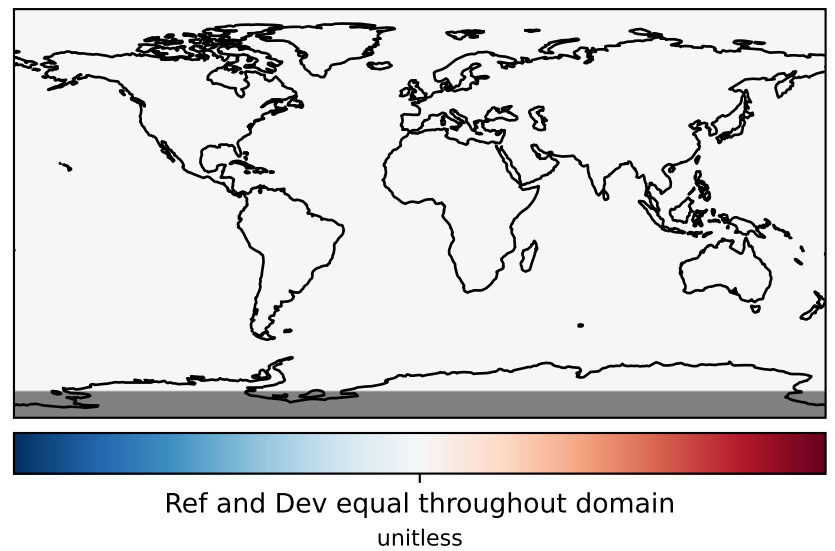4.0x5.0

s-1

Difference
Dev - Ref, Dynamic Range

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

Zero throughout domain
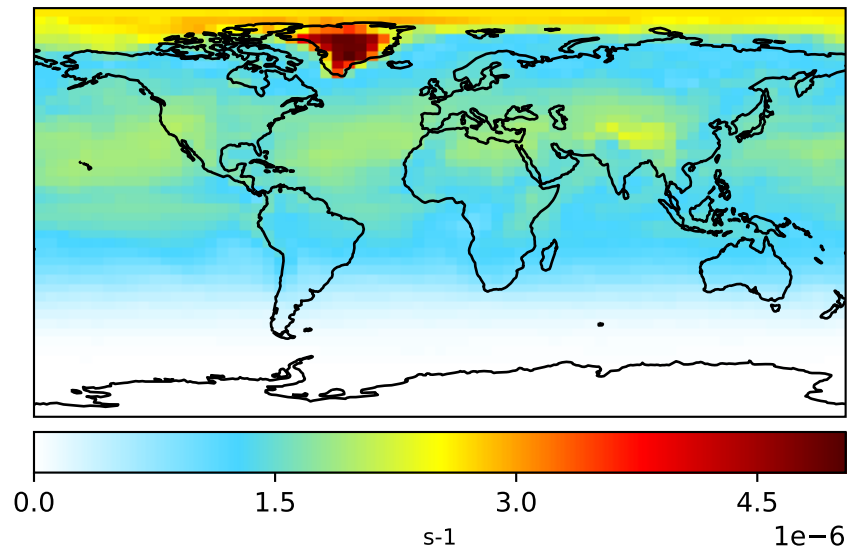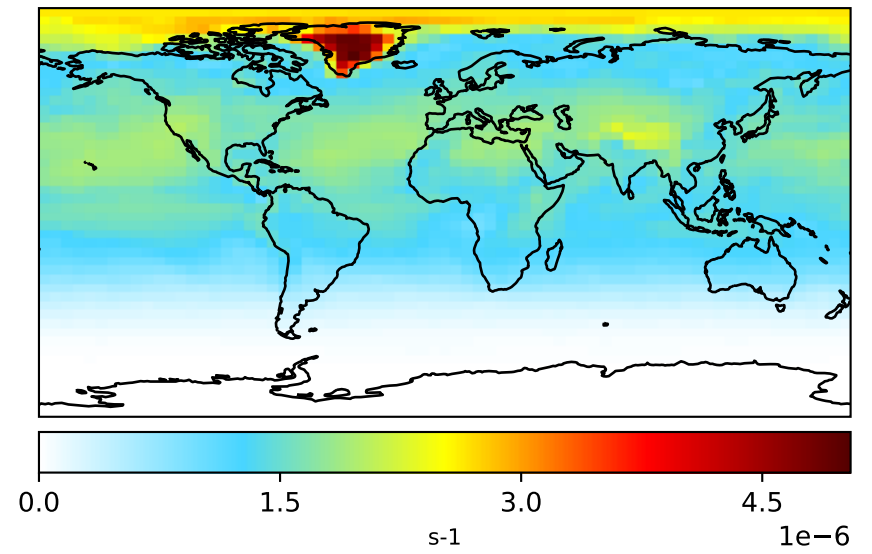s-1

Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

Ref and Dev equal throughout domain
unitless

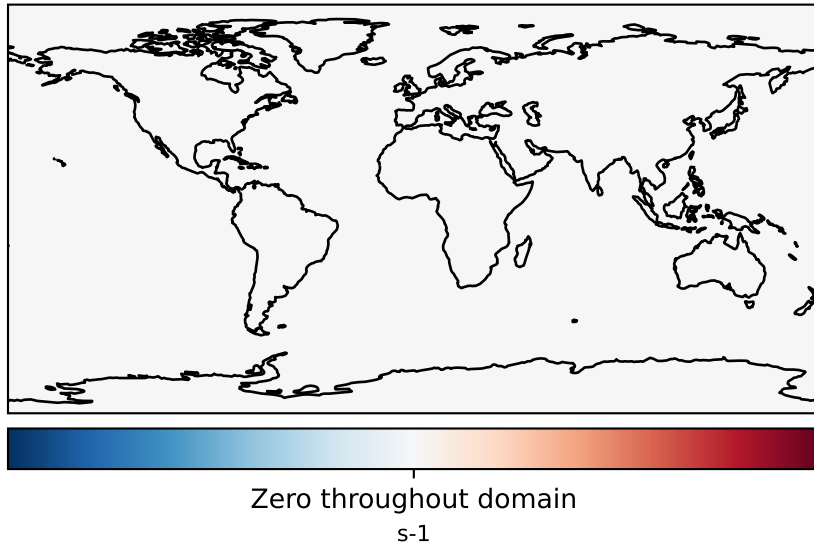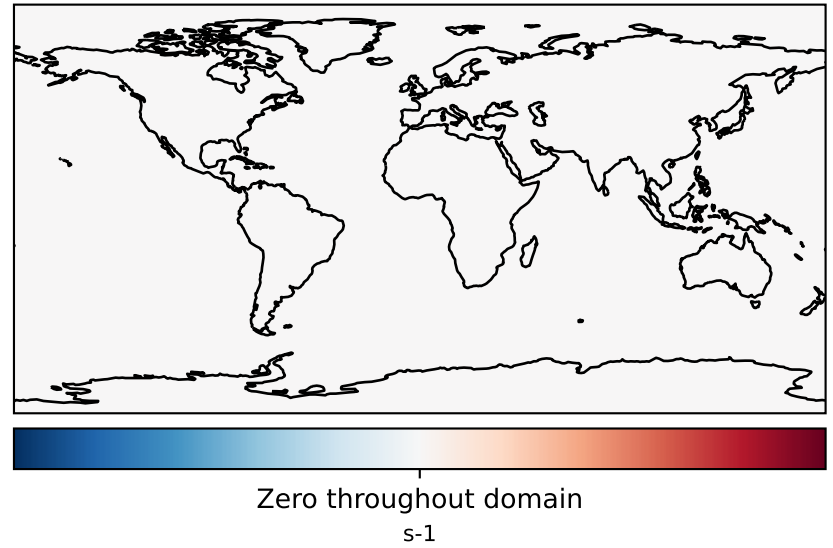# Jval_RA3P

Jval_RB3P

Jval_RCHO

gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0

gcc-4x5-1Mon-14.6.3 (Dev)
4.0x5.0

s-1

s-1
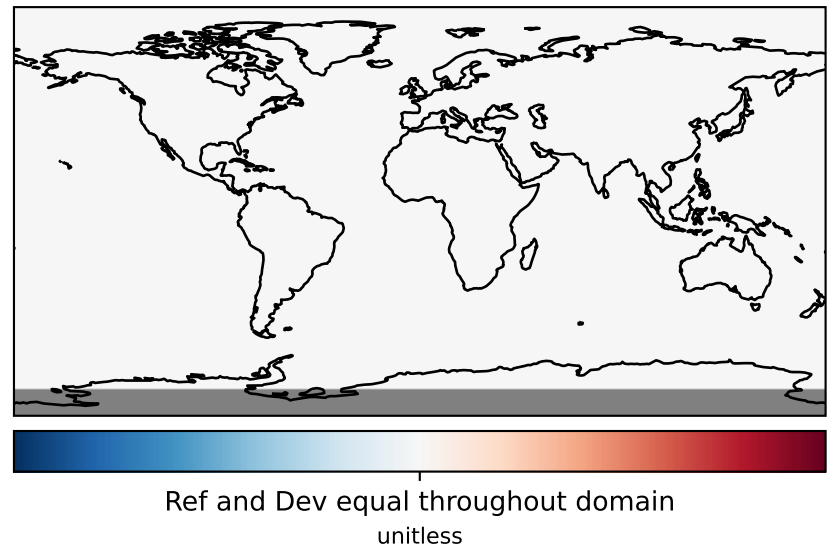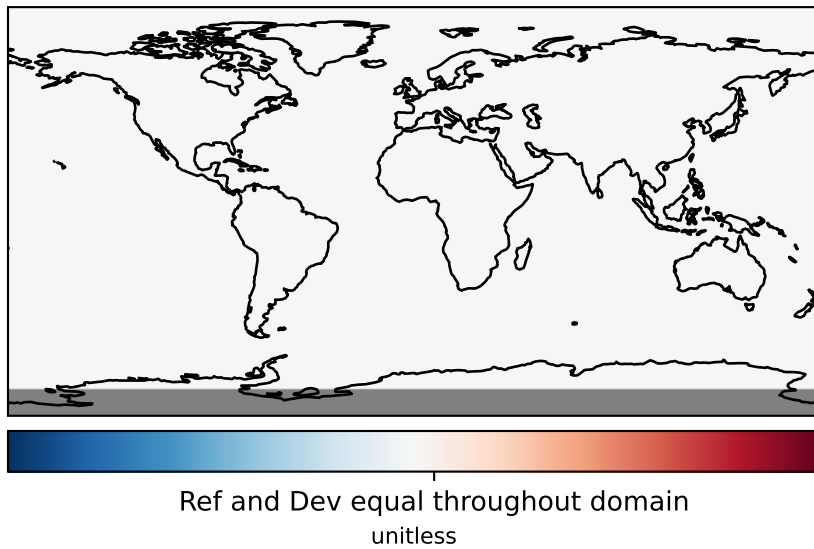
Difference
Dev - Ref, Dynamic Range

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

Zero throughout domain
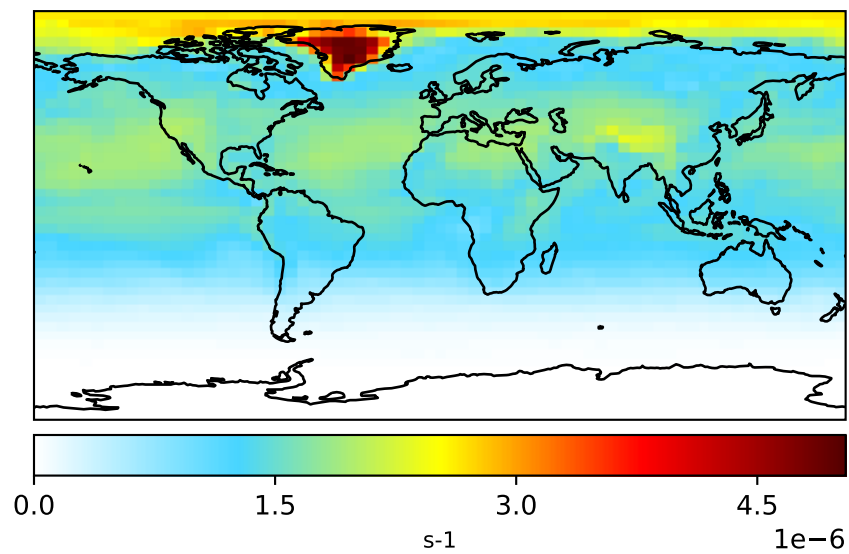s-1

Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

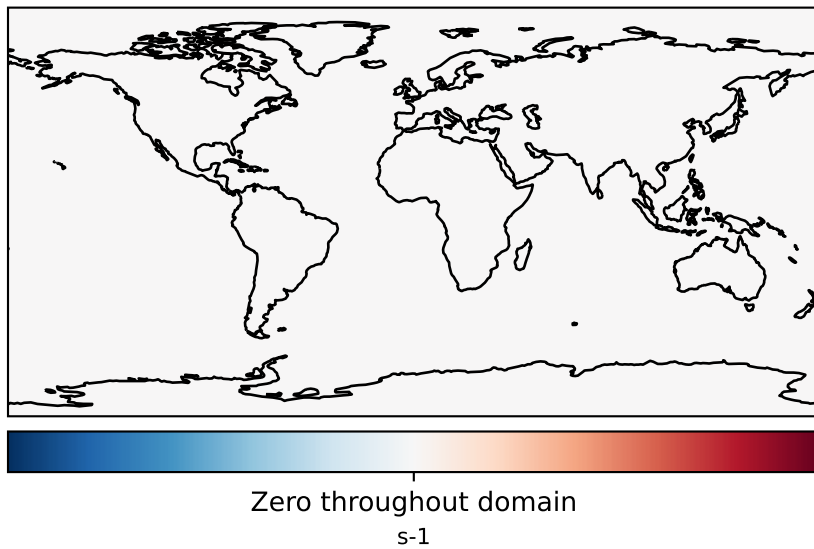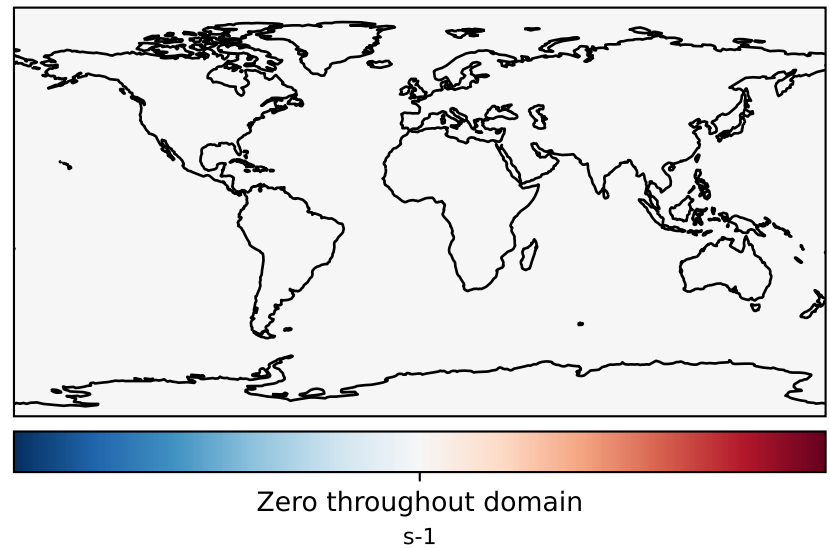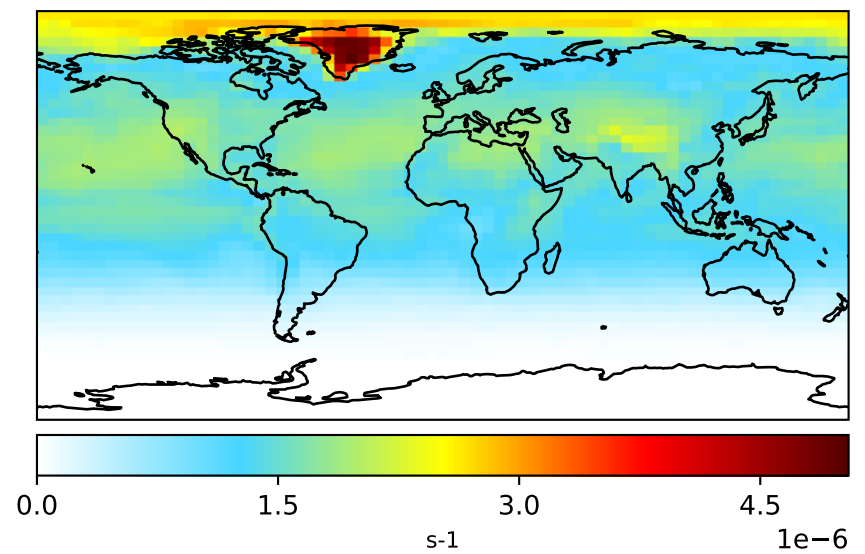Ref and Dev equal throughout domain
unitless

Jval_RIPA

gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0

gcc-4x5-1Mon-14.6.3 (Dev)
4.0x5.0

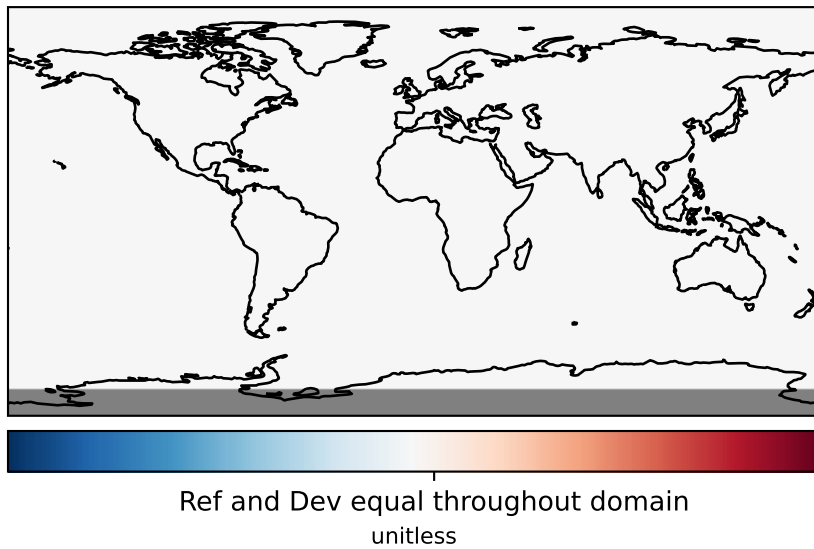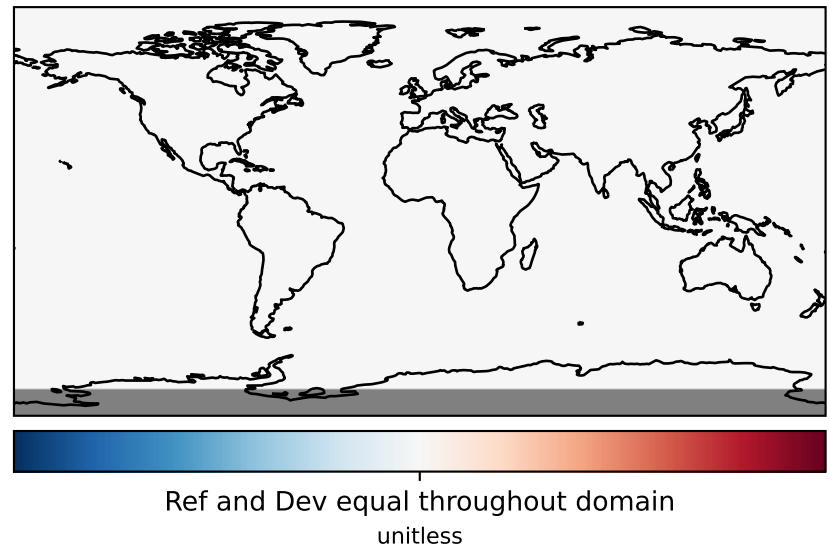Difference
Dev - Ref, Dynamic Range

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

Zero throughout domain
s-1
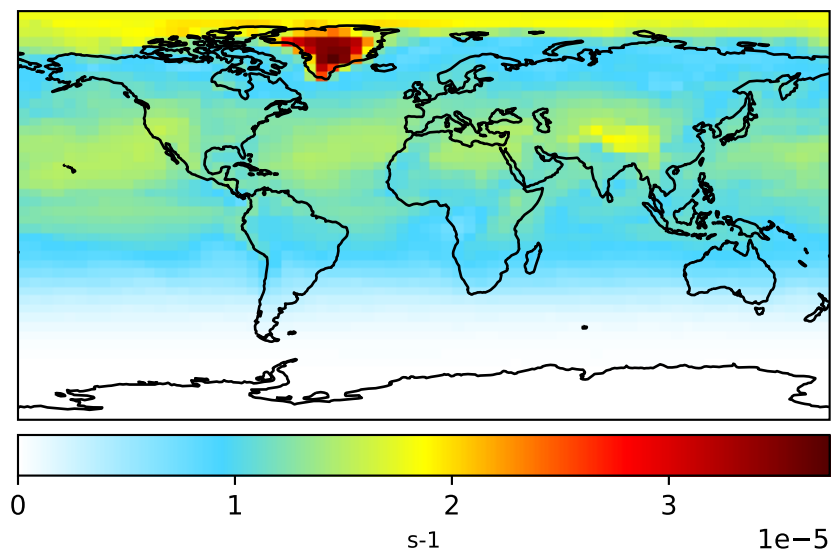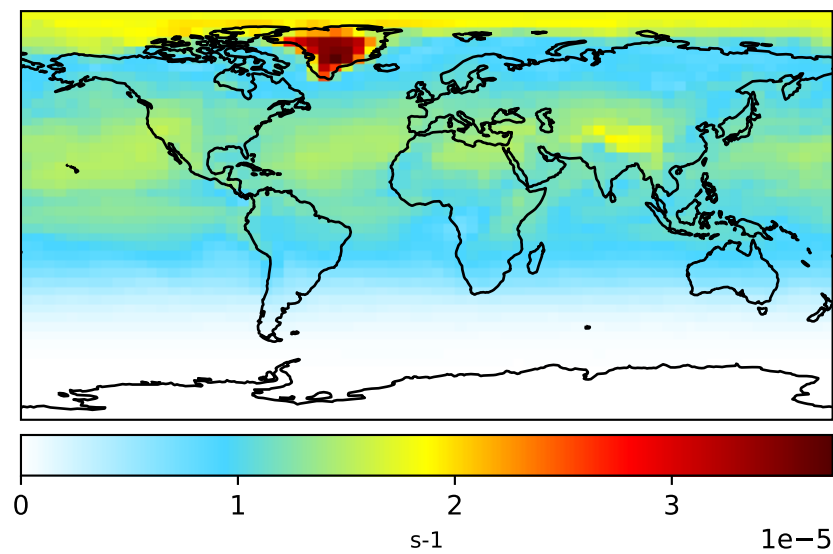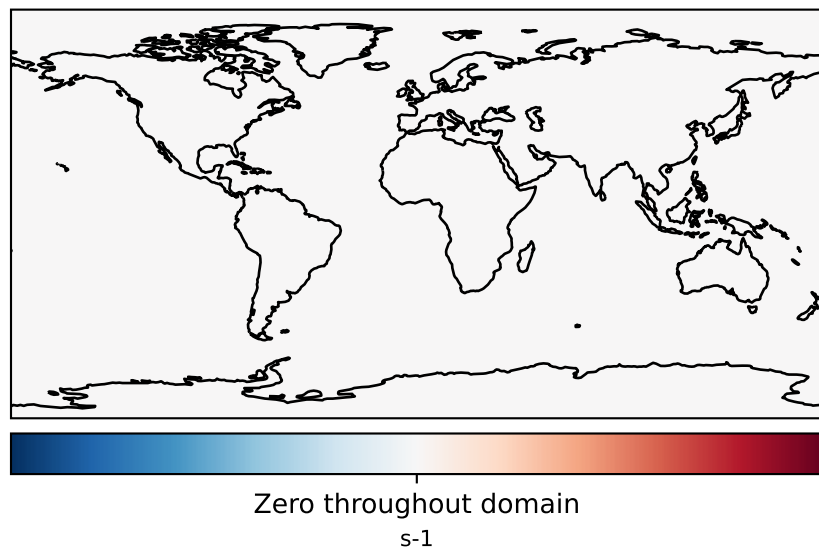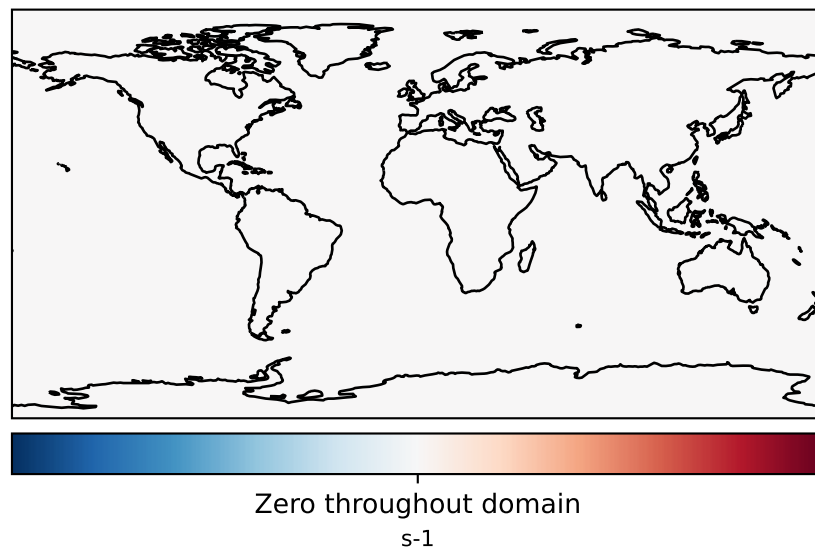
Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

Ref and Dev equal throughout domain
unitless

Jval_RIPB

gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0

gcc-4x5-1Mon-14.6.3 (Dev)
4.0x5.0

s-1

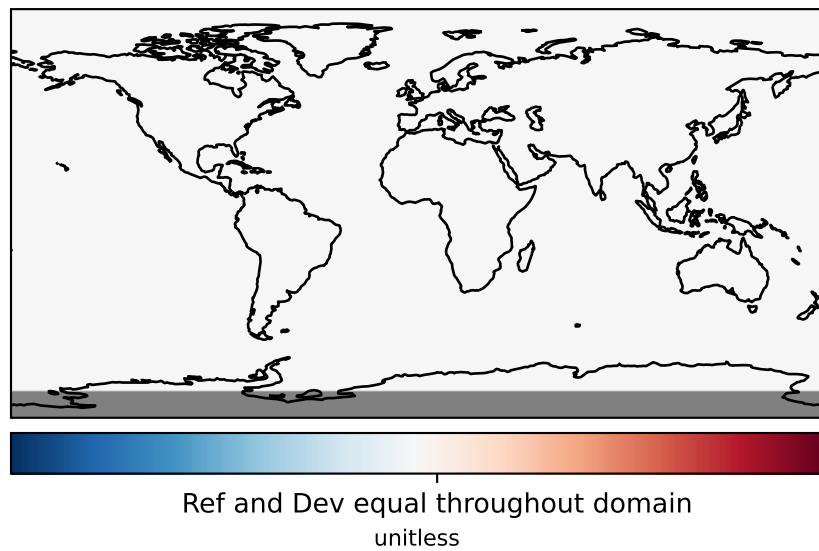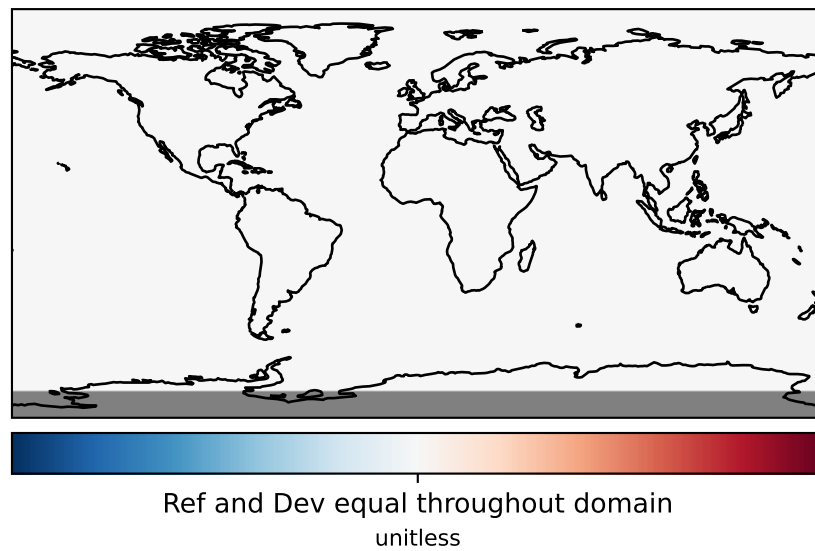s-1

Difference
Dev - Ref, Dynamic Range

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

Zero throughout domain
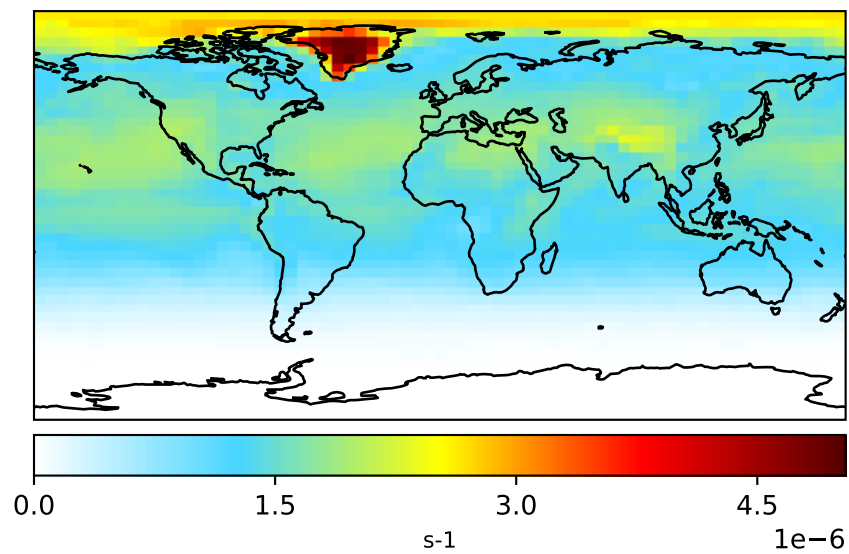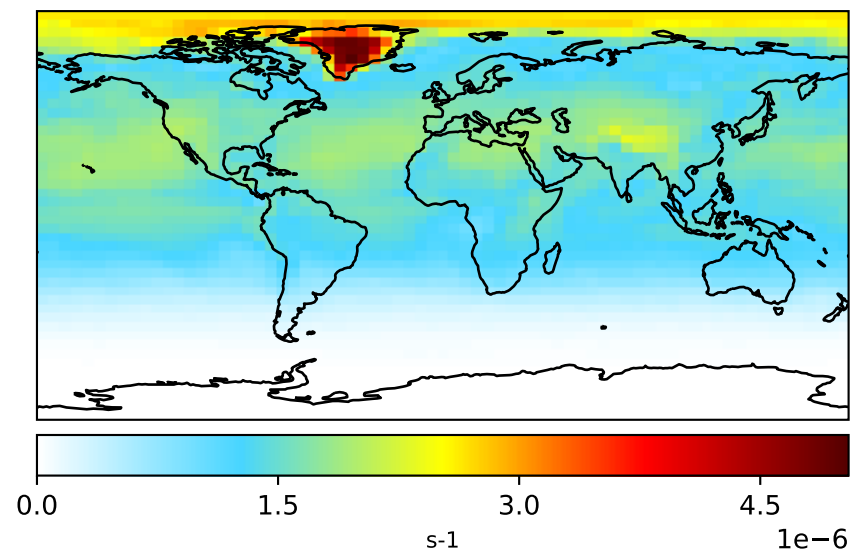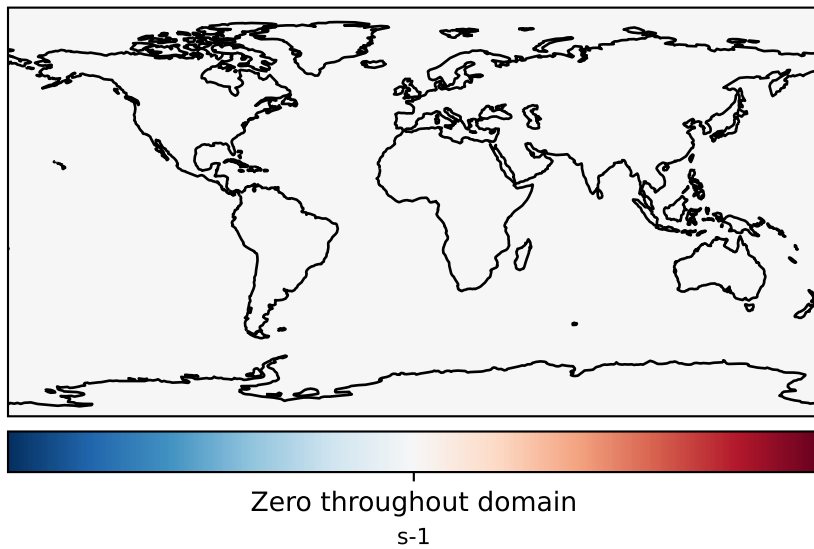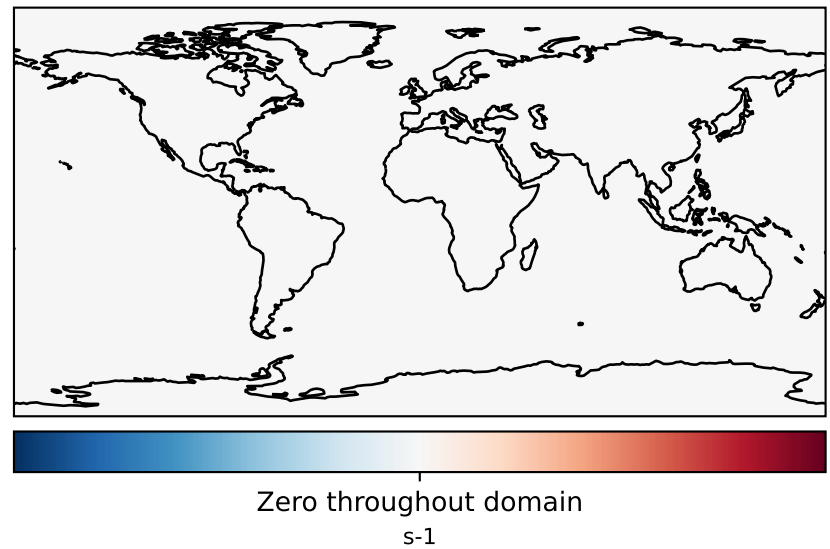s-1

Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

Ref and Dev equal throughout domain
unitless

Jval_RIPC

gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0

gcc-4x5-1Mon-14.6.3 (Dev)
4.0x5.0

s-1

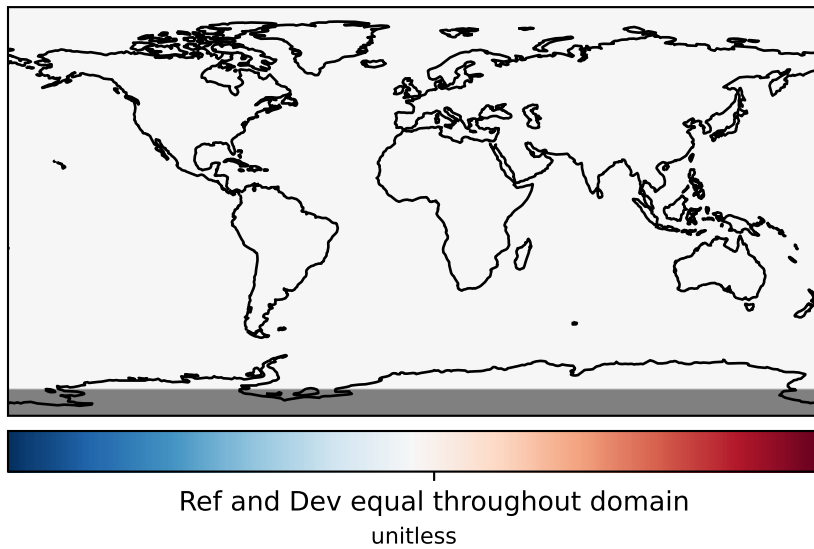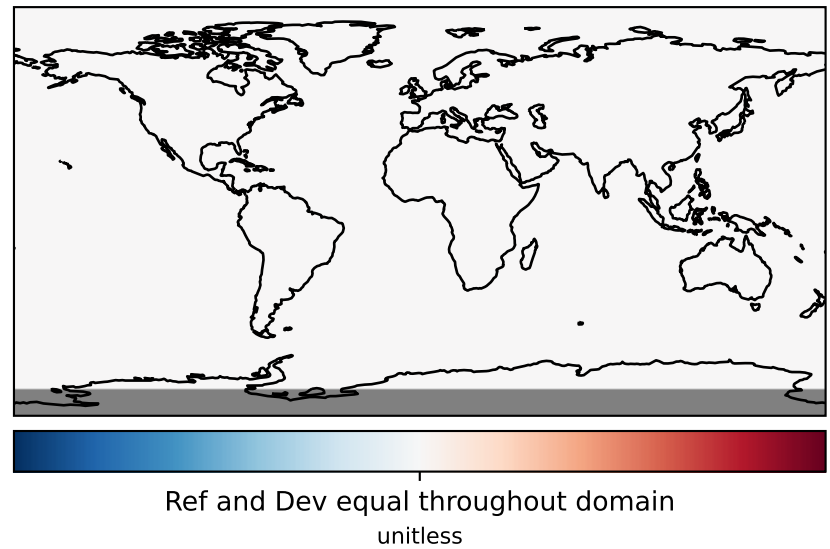s-1

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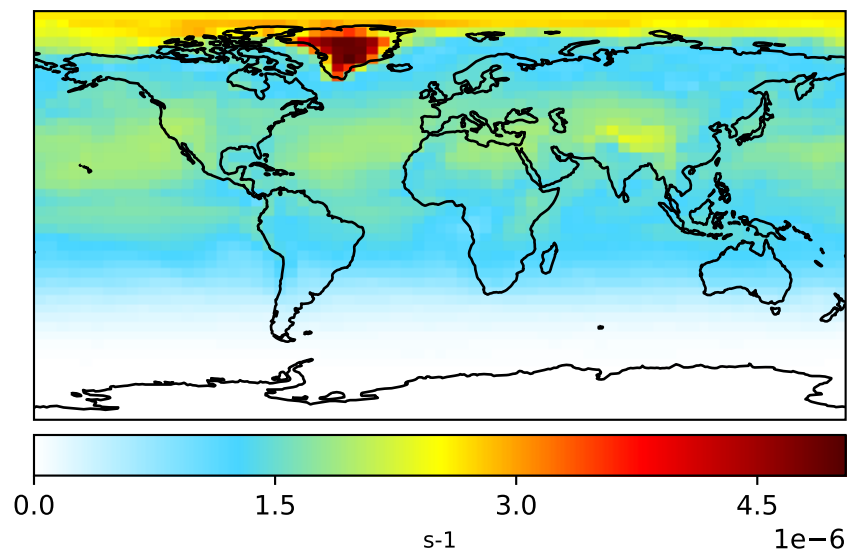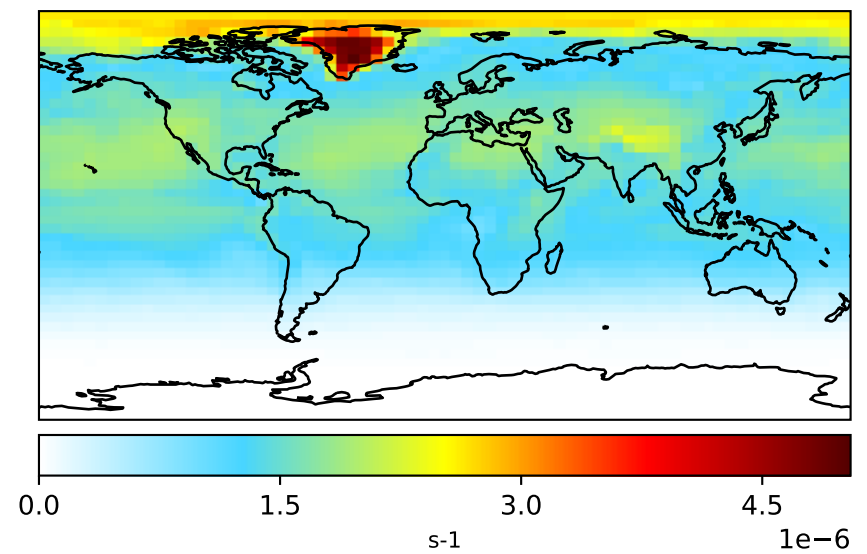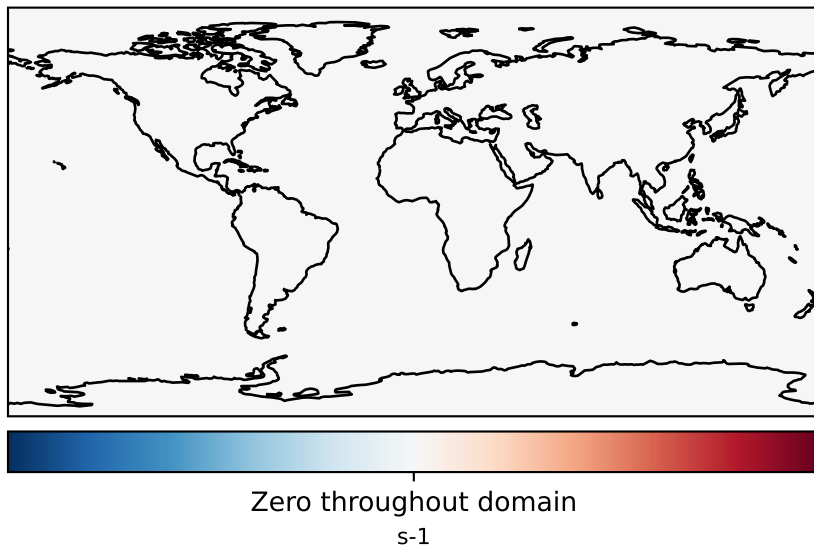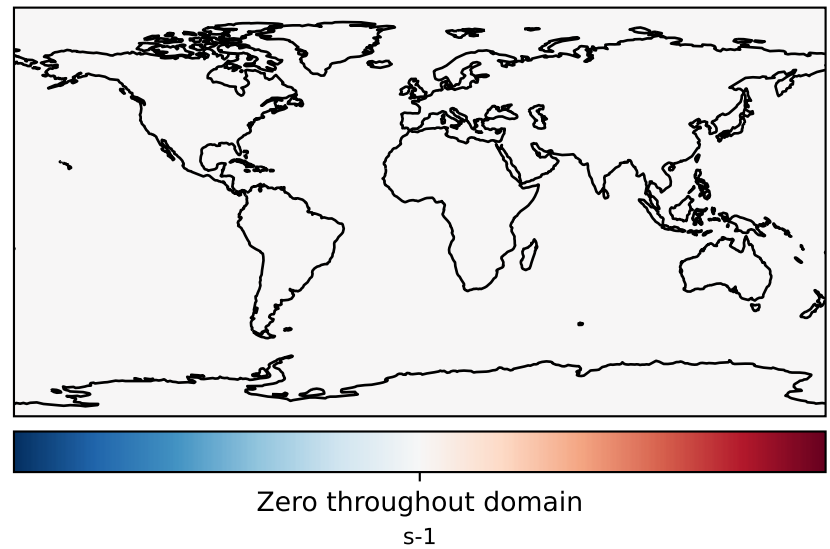
Difference
Dev - Ref, Restricted Range [5%,95%]

Zero throughout domain
s-1

Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

Ref and Dev equal throughout domain
unitless

Jval_RIPD

gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0

gcc-4x5-1Mon-14.6.3 (Dev)
4.0x5.0

s-1

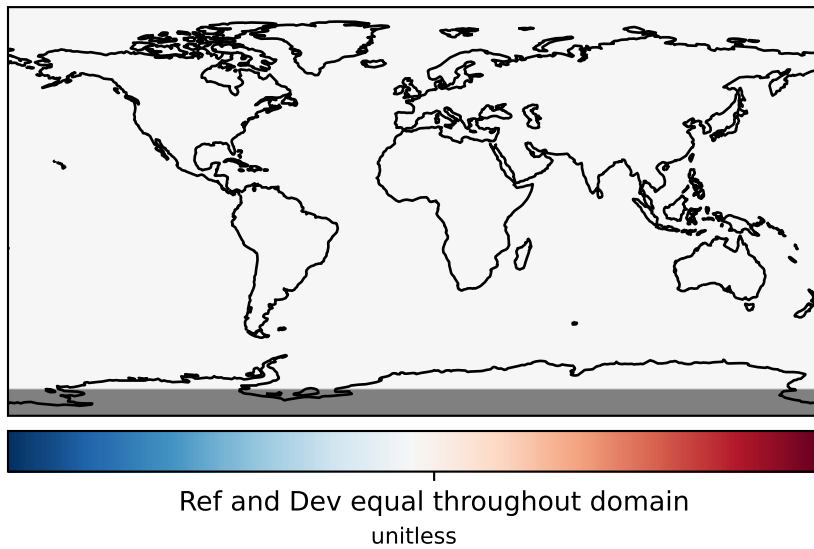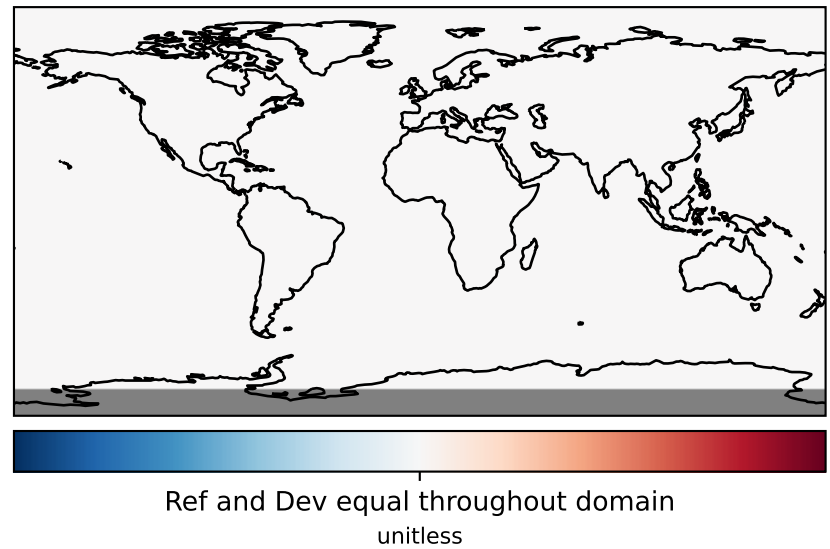s-1

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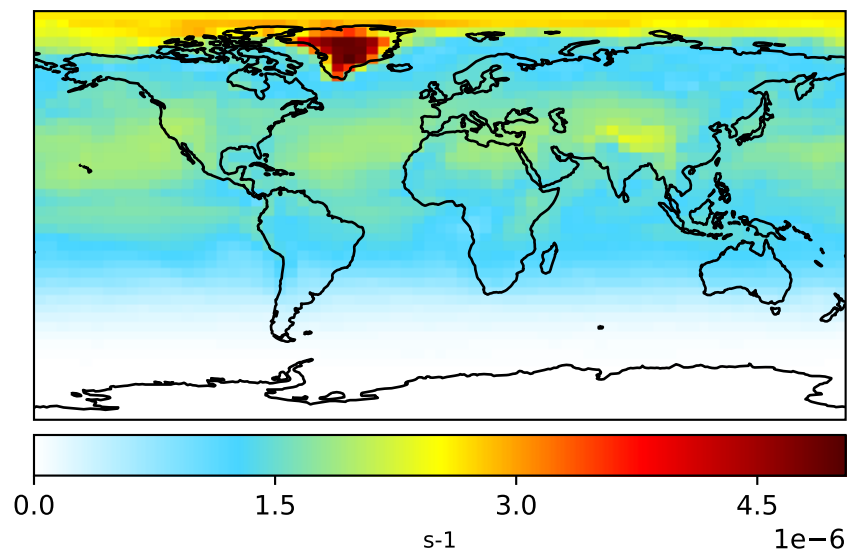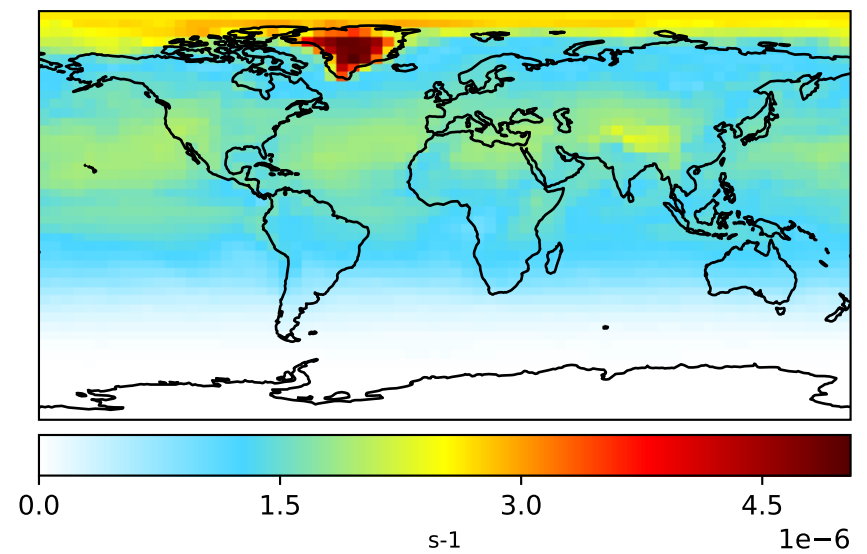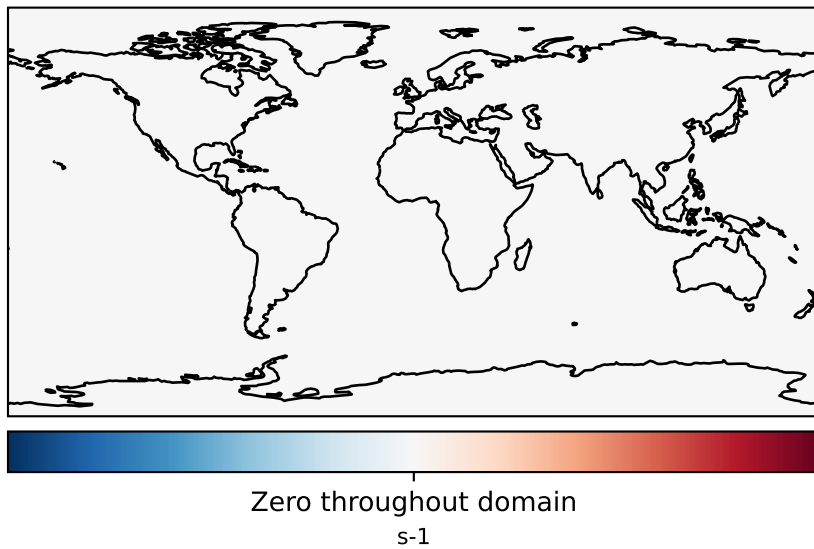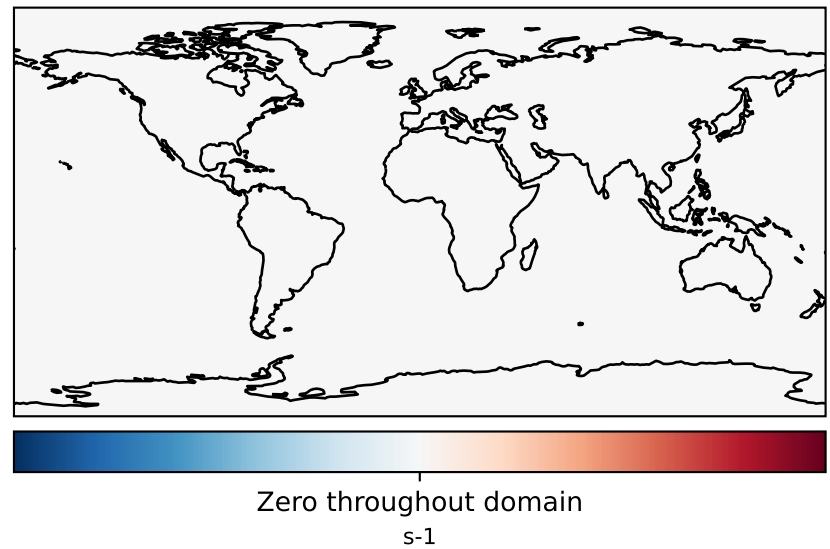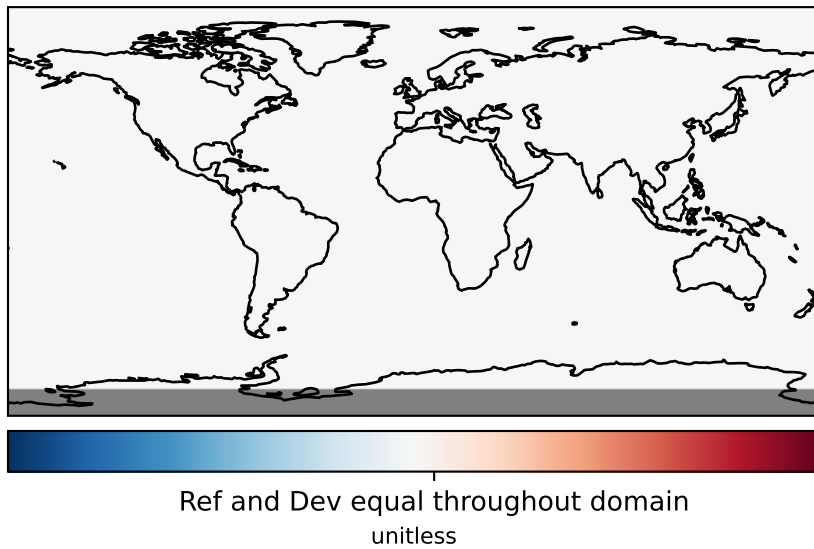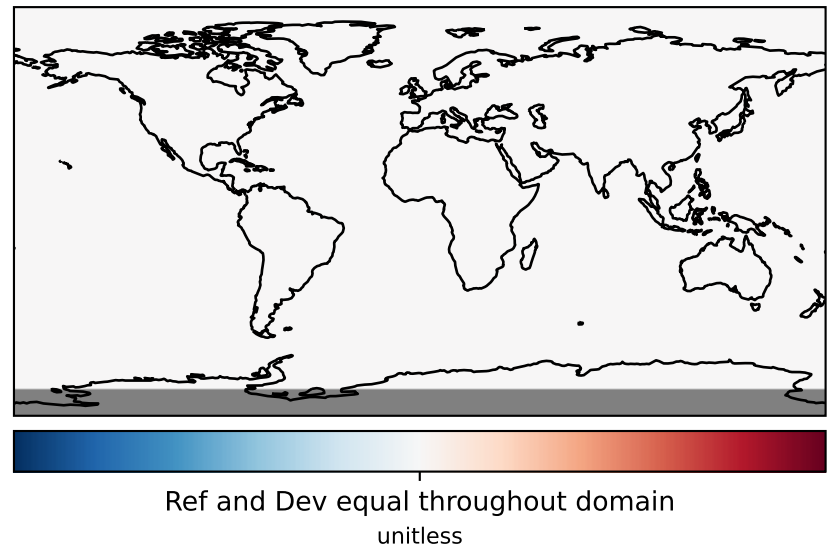
Difference
Dev - Ref, Restricted Range [5%,95%]

Zero throughout domain
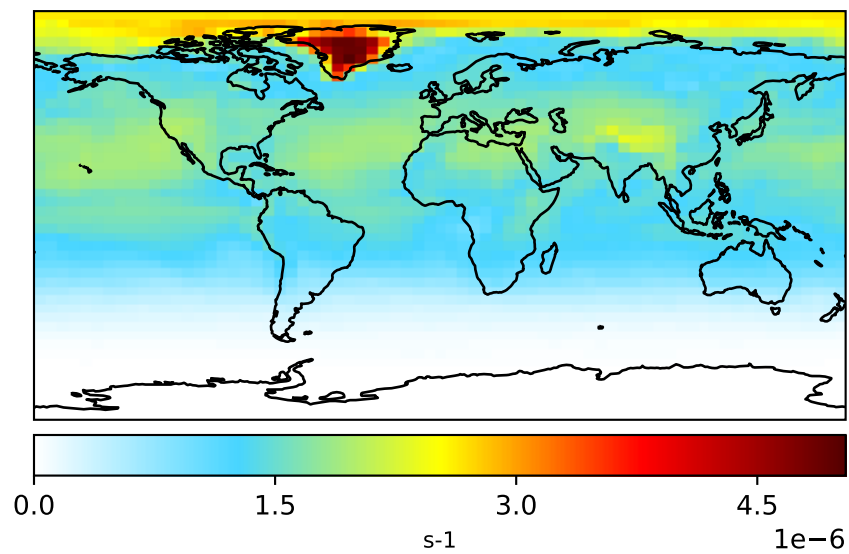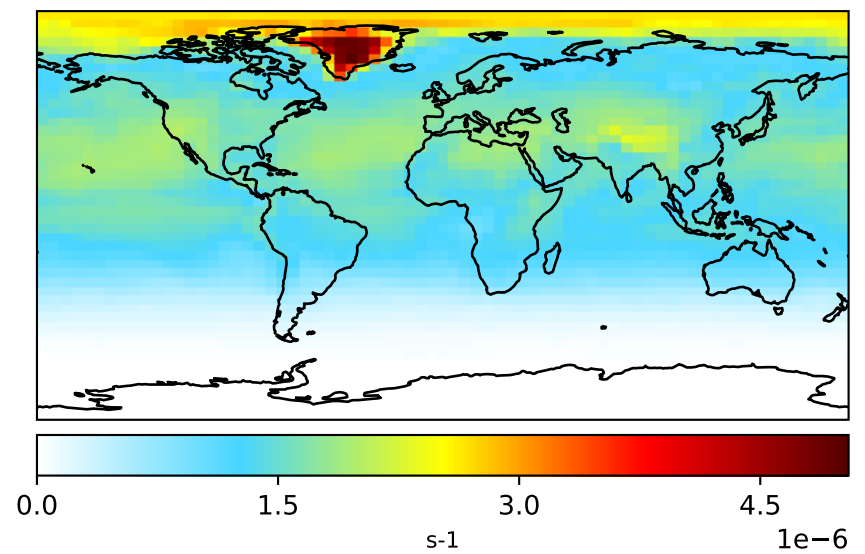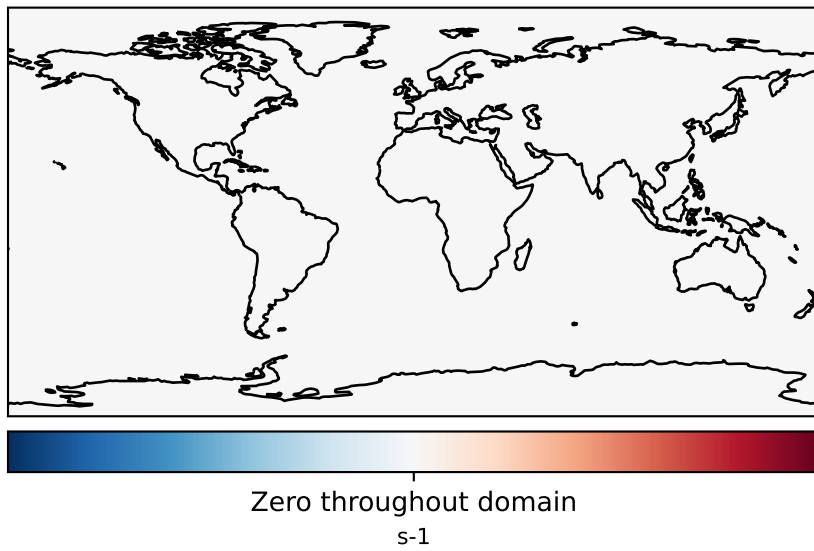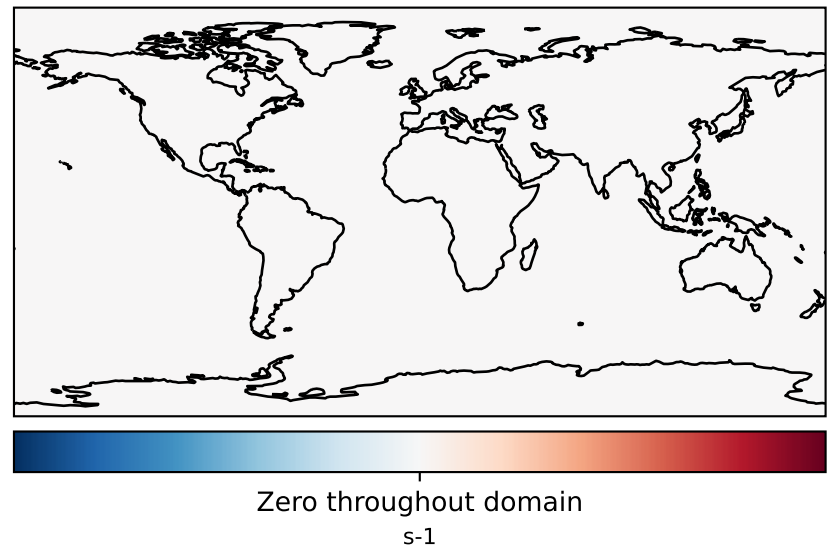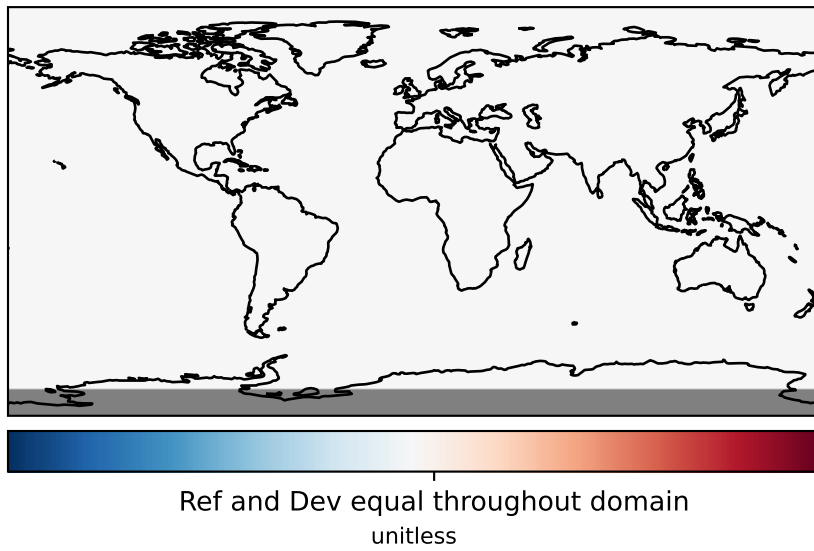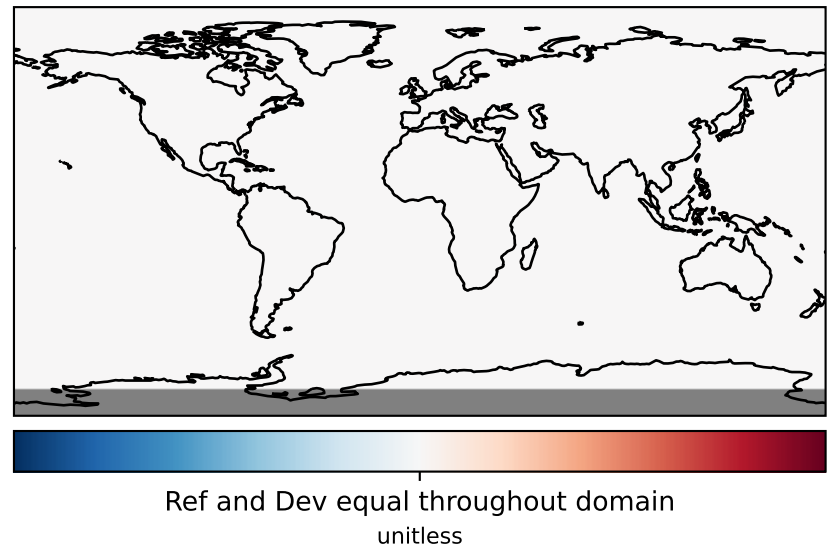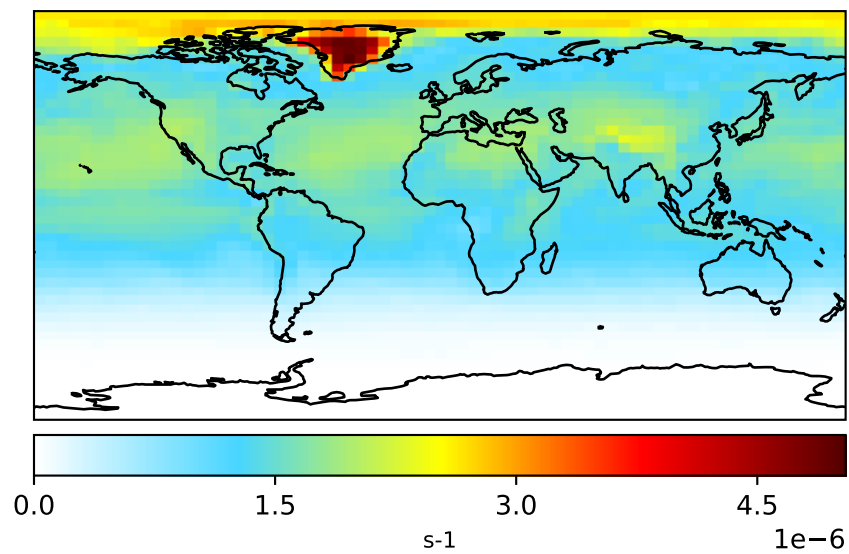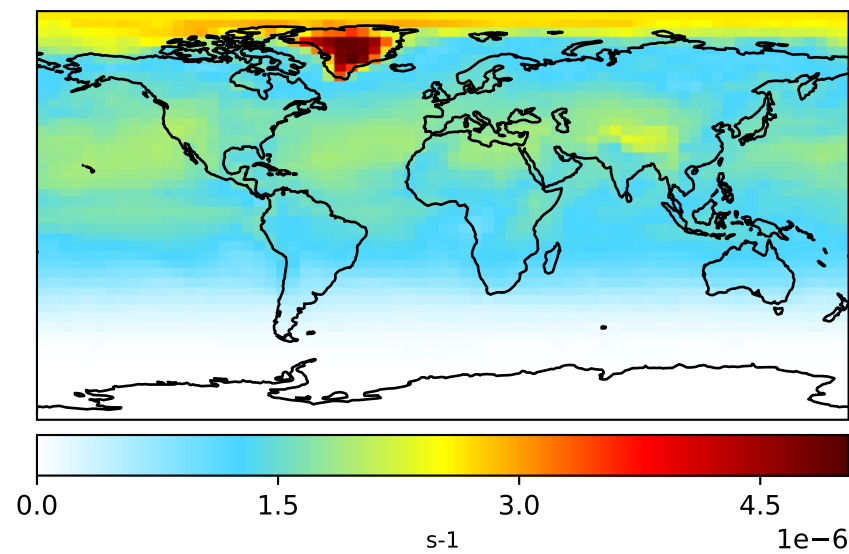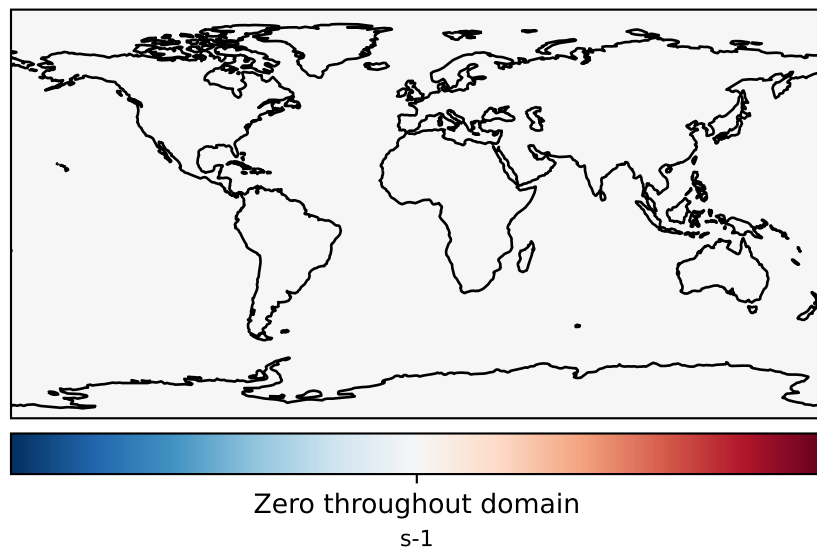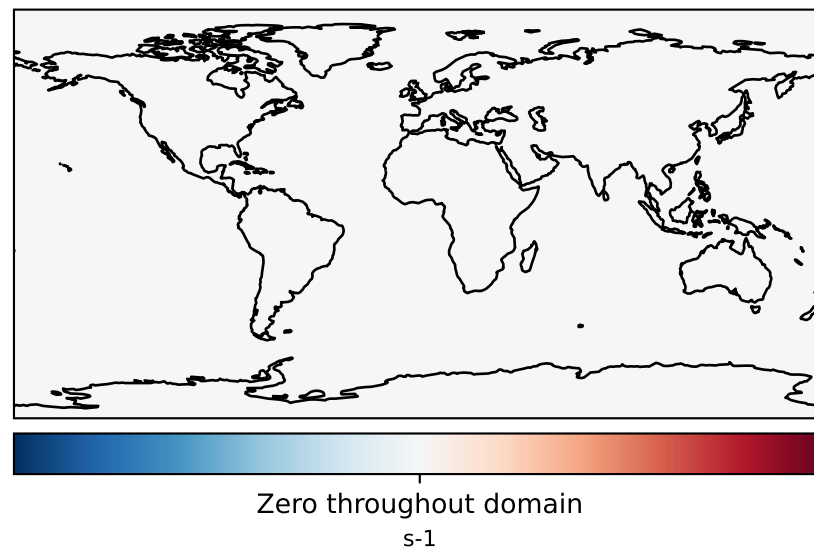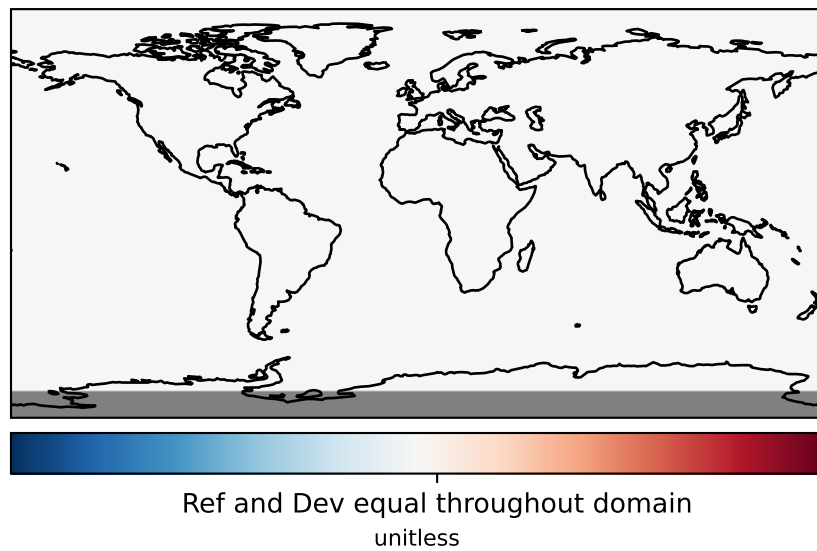s-1

Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

Ref and Dev equal throughout domain
unitless

Jval_RP

gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0

gcc-4x5-1Mon-14.6.3 (Dev)
4.0x5.0

s-1

s-1

Difference
Dev - Ref, Dynamic Range

Zero throughout domain
s-1

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

Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Ref and Dev equal throughout domain
unitless

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

Jval_SO4

gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0

Zero throughout domain
s-1

gcc-4x5-1Mon-14.6.3 (Dev)
4.0x5.0

Zero throughout domain
s-1

Difference
Dev - Ref, Dynamic Range

Zero throughout domain
s-1

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

Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range

Undefined throughout domain
unitless

Ratio
Dev/Ref, Fixed Range

Undefined throughout domain
unitless