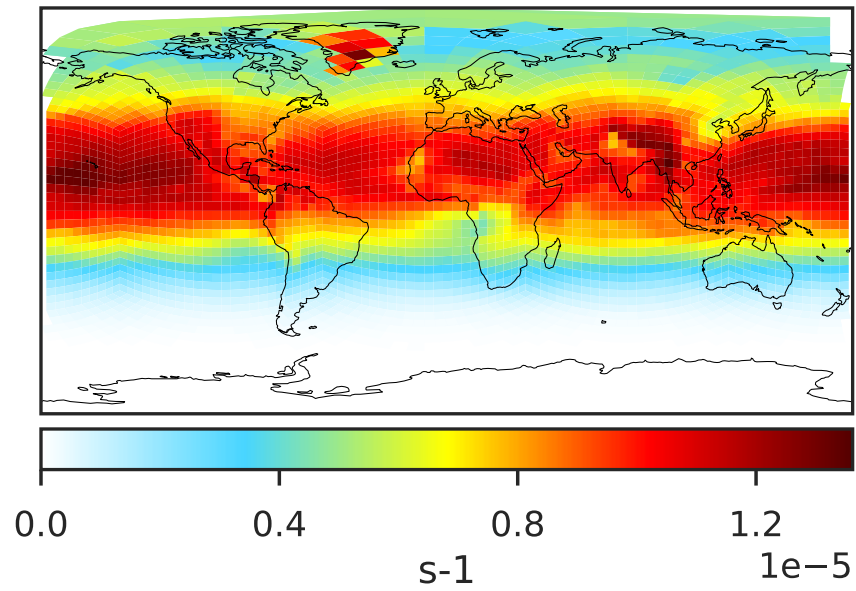
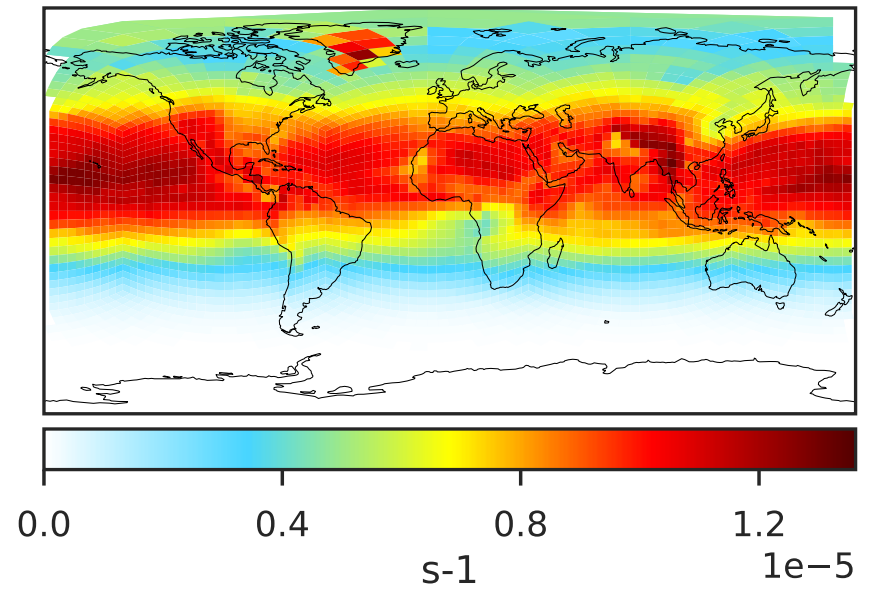


Jval0301D (Jul2019)

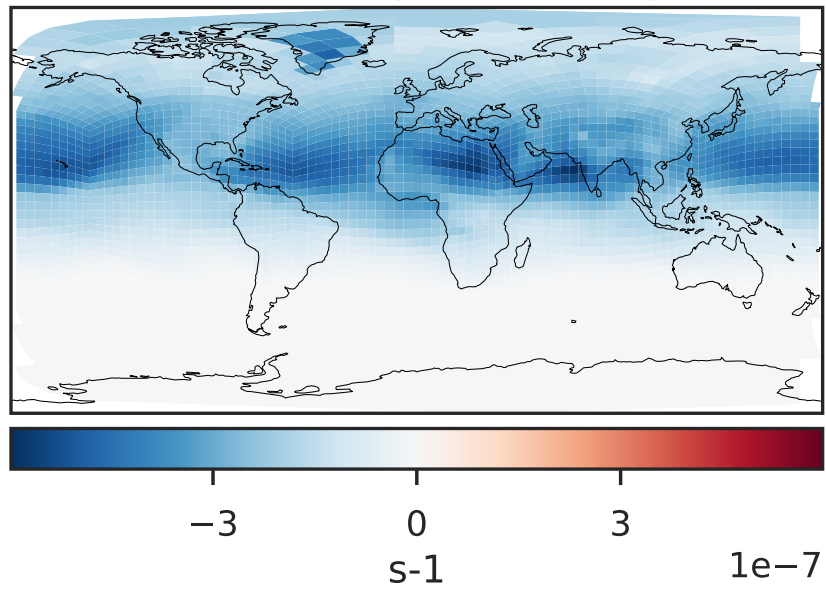
GCHP_14.0.0 (Ref)
c24



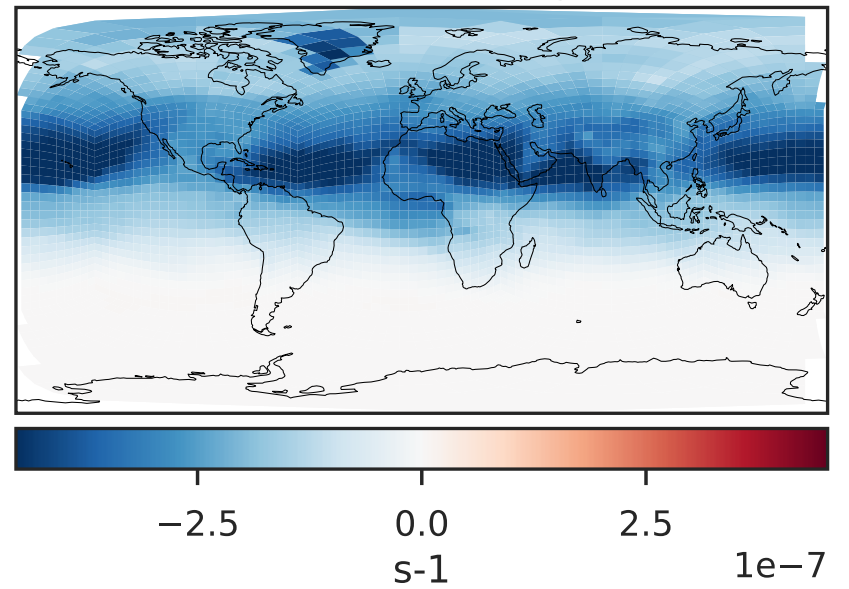
GCHP_14.2.0 (Dev)
c24



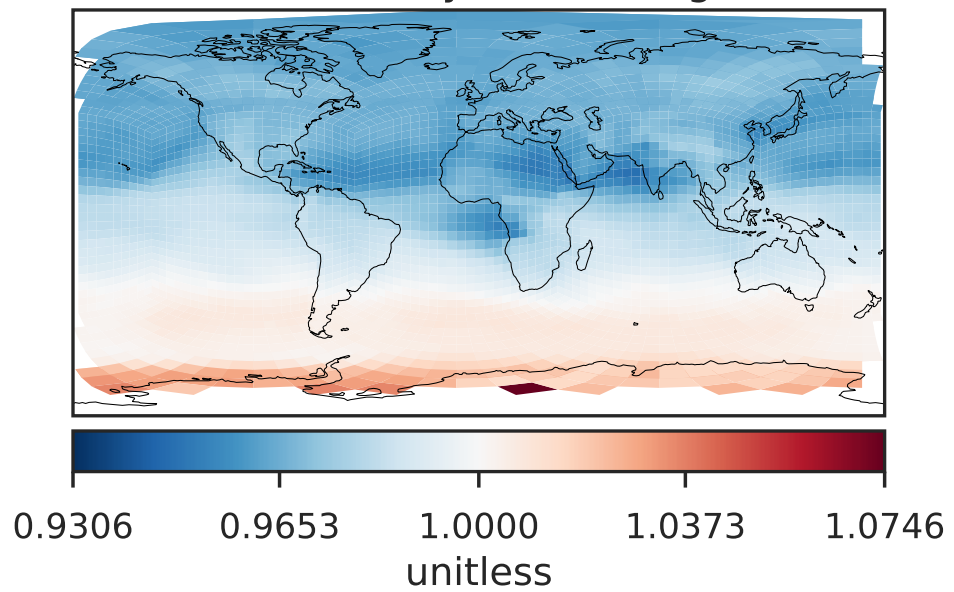
Difference
Dev - Ref, Dynamic Range



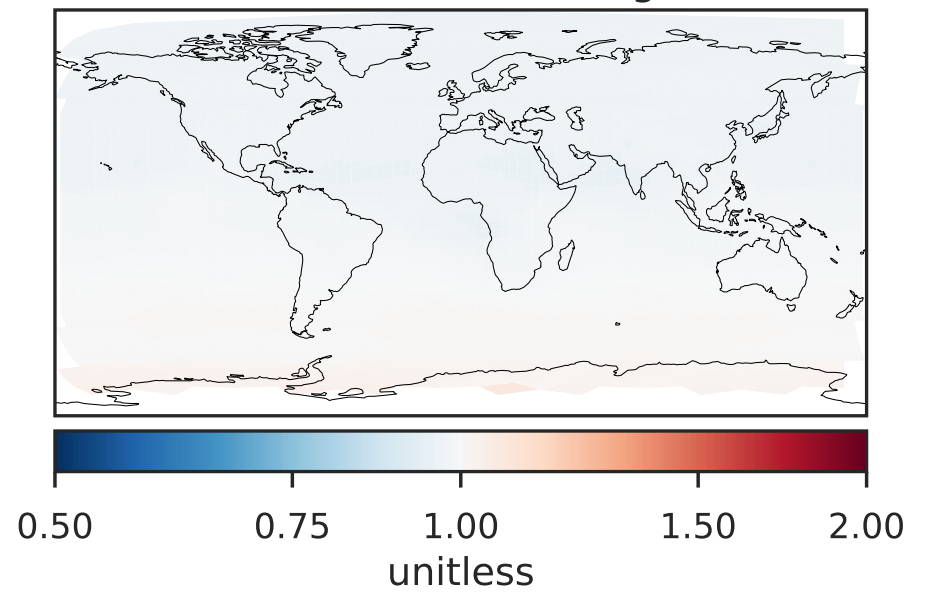
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

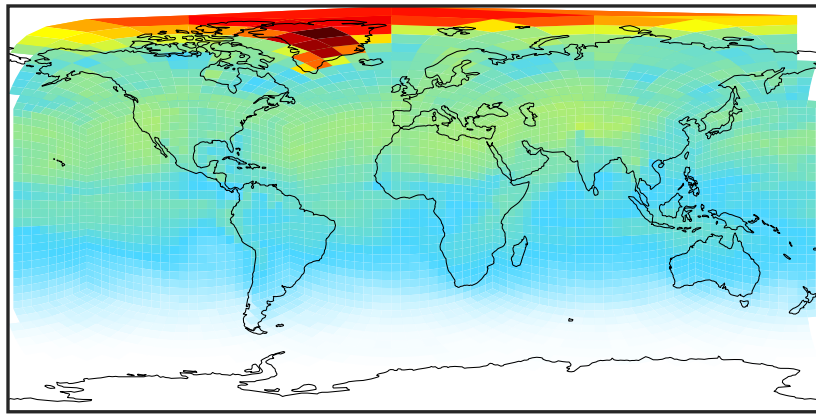


Ratio
Dev/Ref, Fixed Range



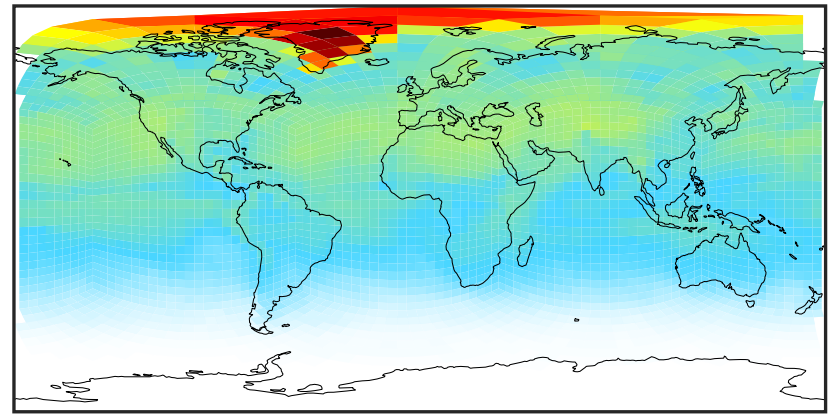
Jval0303P (Jul2019)

GCHP_14.0.0 (Ref)
c24



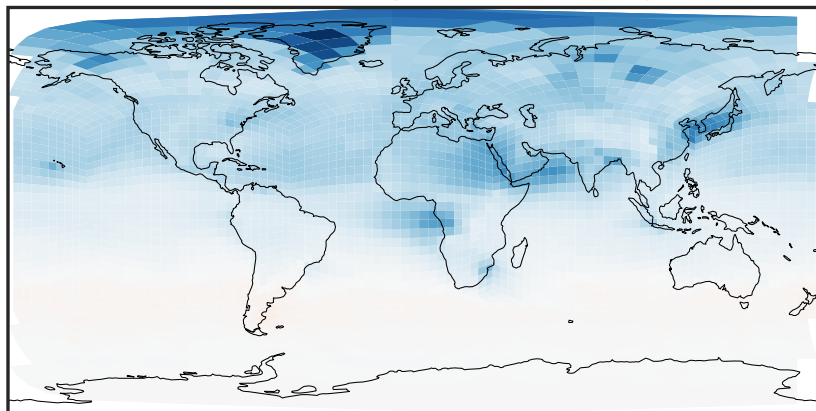
0.00000 0.00015 0.00030 0.00045
s-1

GCHP_14.2.0 (Dev)
c24



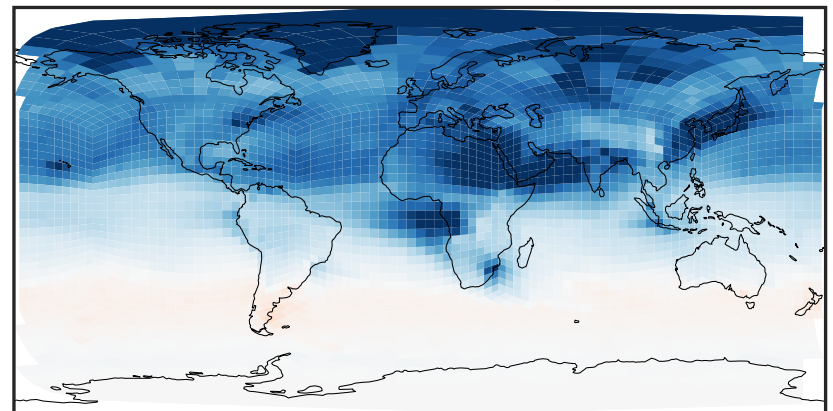
0.00000 0.00015 0.00030 0.00045
s-1

Difference
Dev - Ref, Dynamic Range



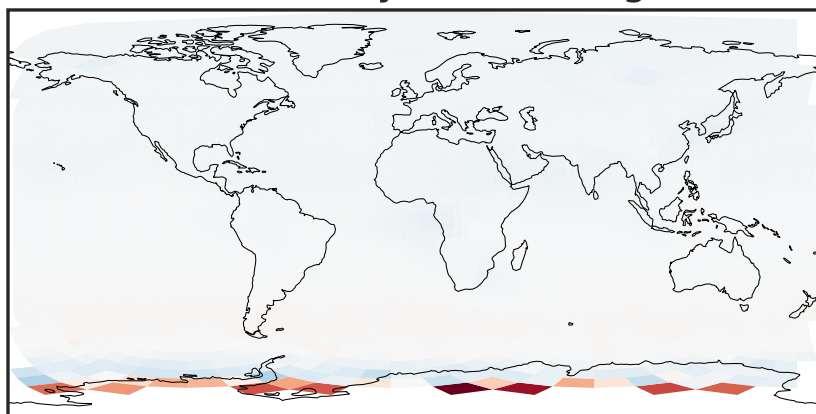
-6 0 6
s-1 1e-7

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



-2.5 0.0 2.5
s-1 1e-7

Ratio
Dev/Ref, Dynamic Range



0.9508 0.9754 1.0000 1.0258 1.0517
unitless

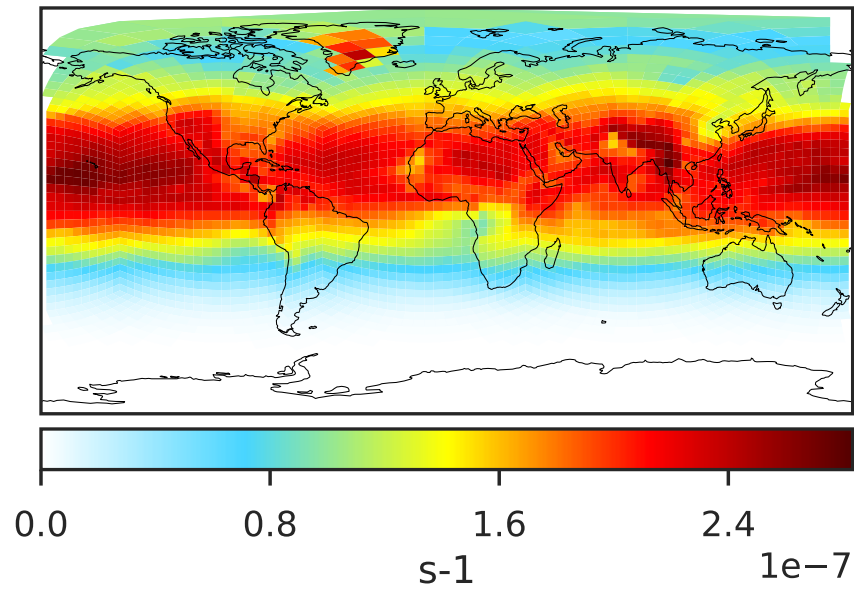
Ratio
Dev/Ref, Fixed Range



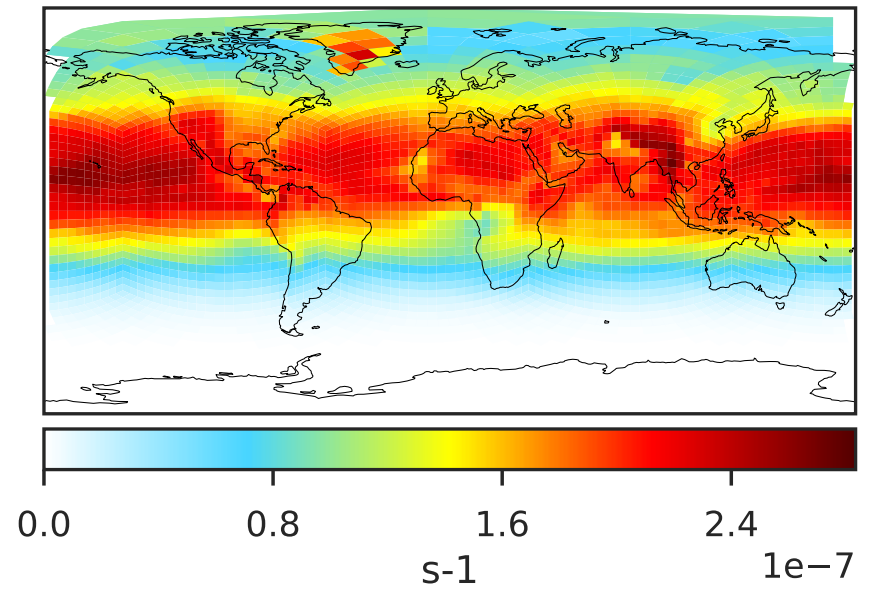
0.50 0.75 1.00 1.50 2.00
unitless

Jval_ACET (Jul2019)

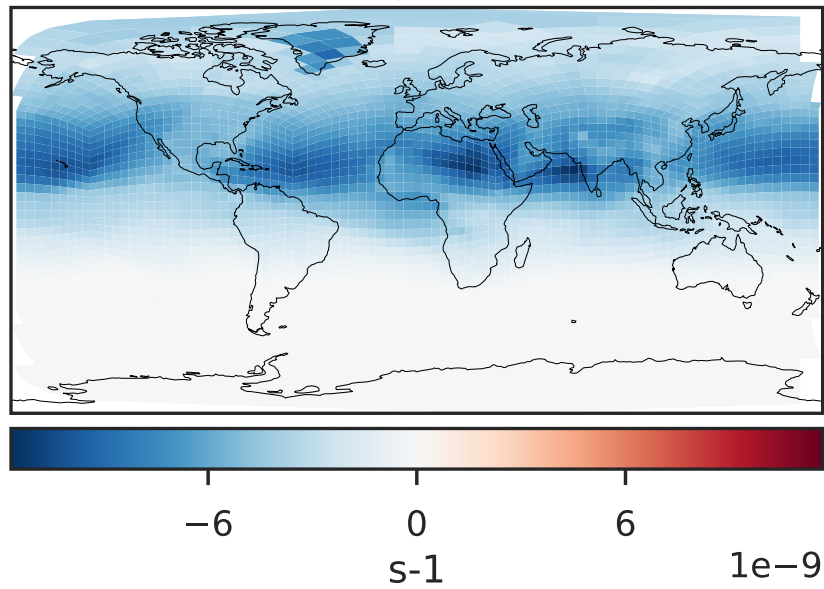
GCHP_14.0.0 (Ref)
c24



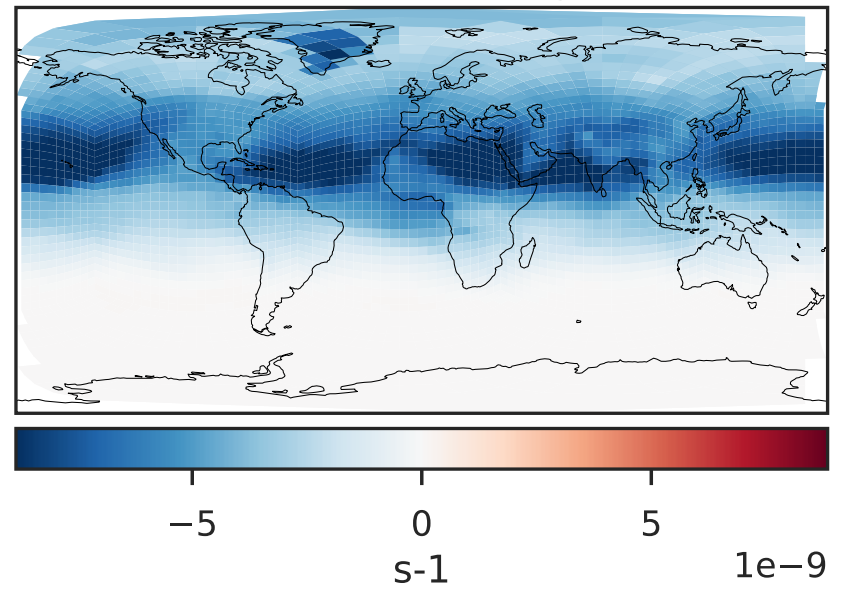
GCHP_14.2.0 (Dev)
c24



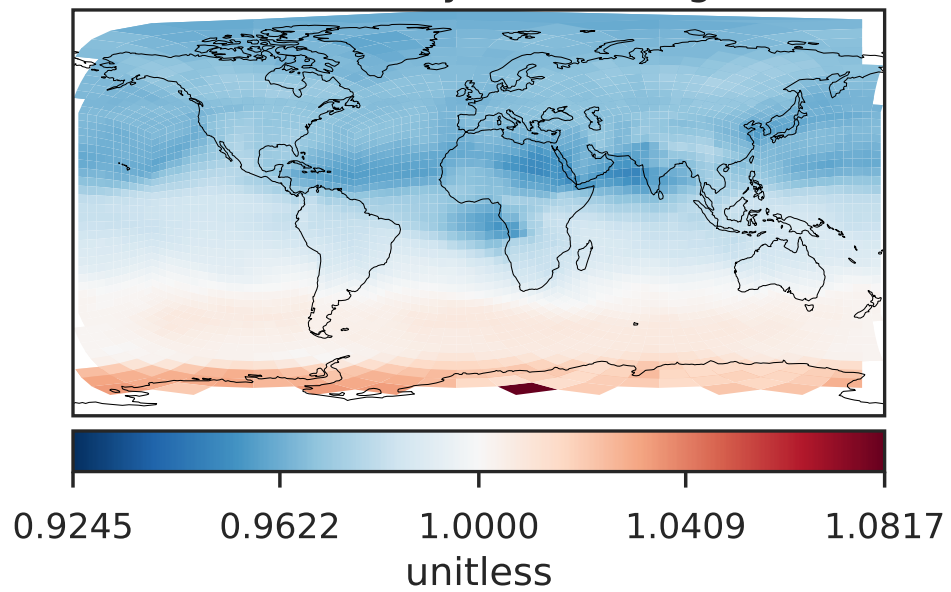
Difference
Dev - Ref, Dynamic Range



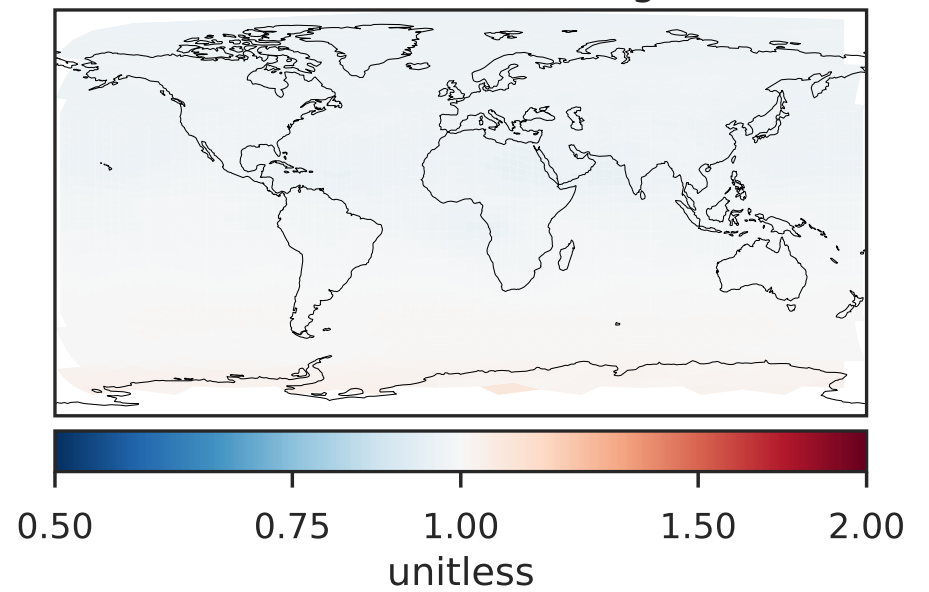
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

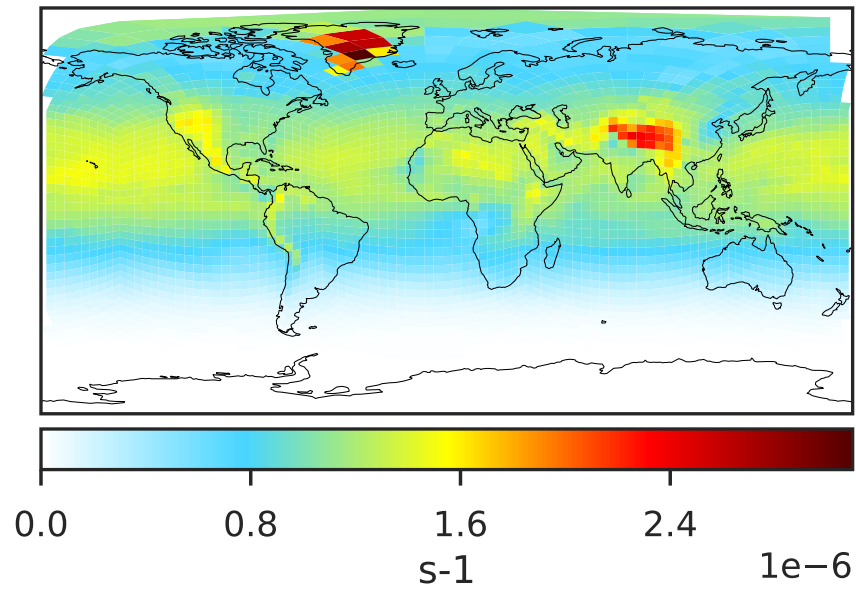


Ratio
Dev/Ref, Fixed Range

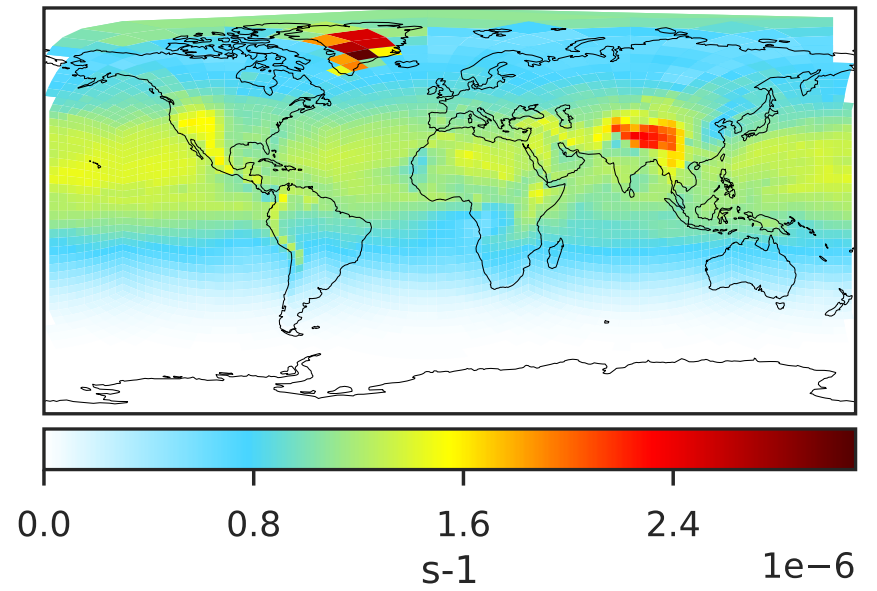


Jval_ALD2 (Jul2019)

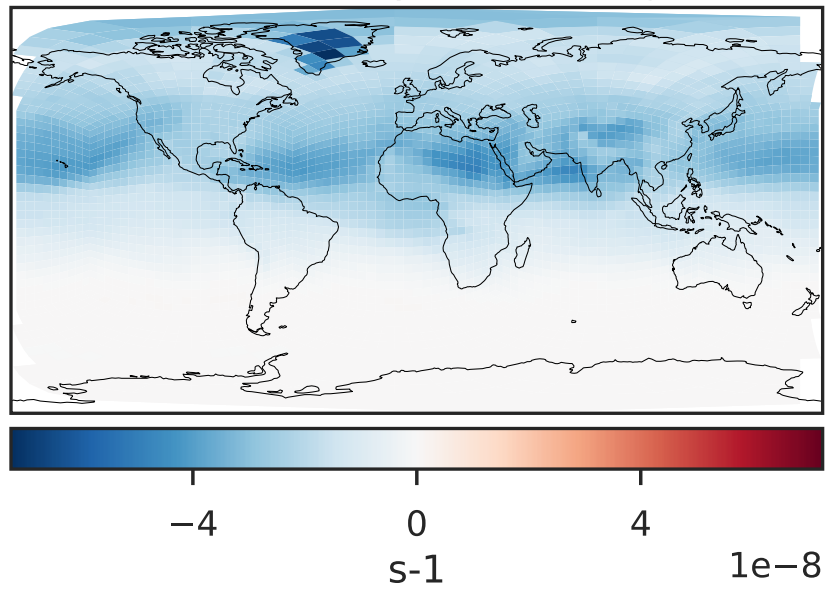
GCHP_14.0.0 (Ref)
c24



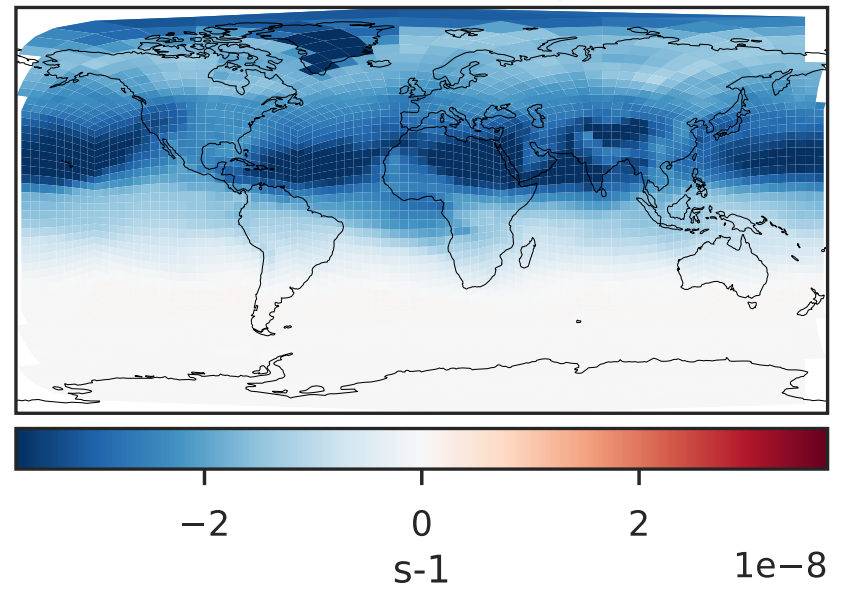
GCHP_14.2.0 (Dev)
c24



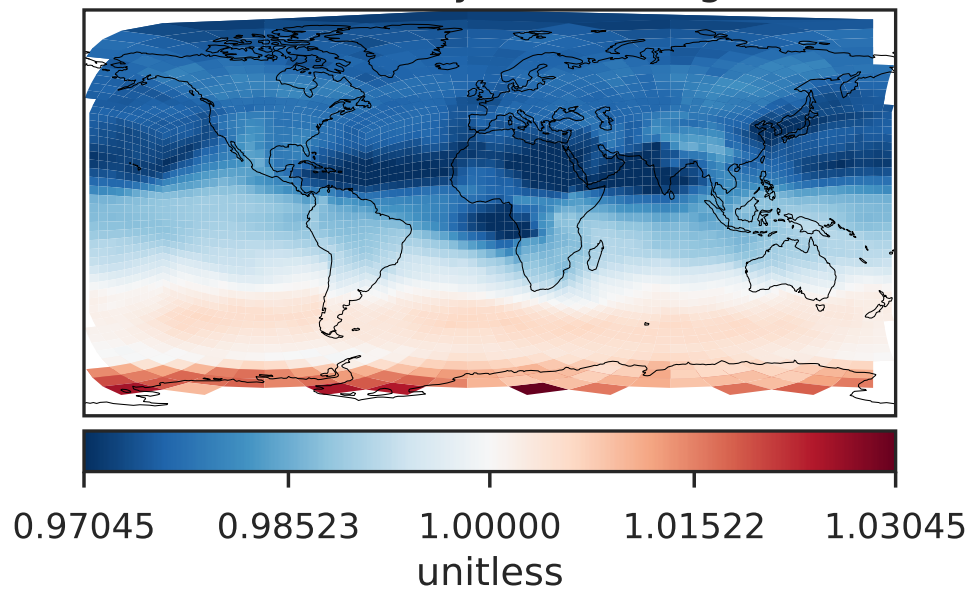
Difference
Dev - Ref, Dynamic Range



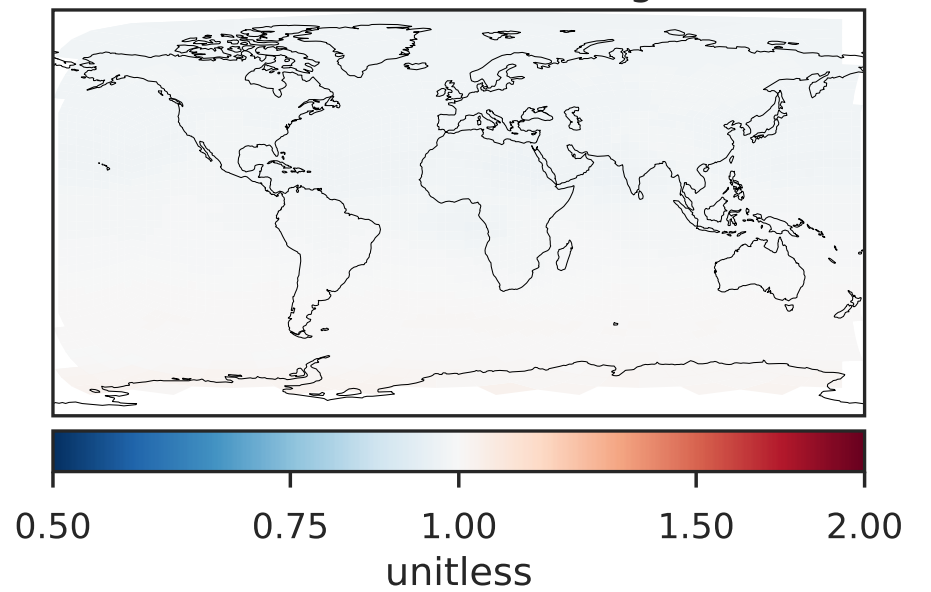
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

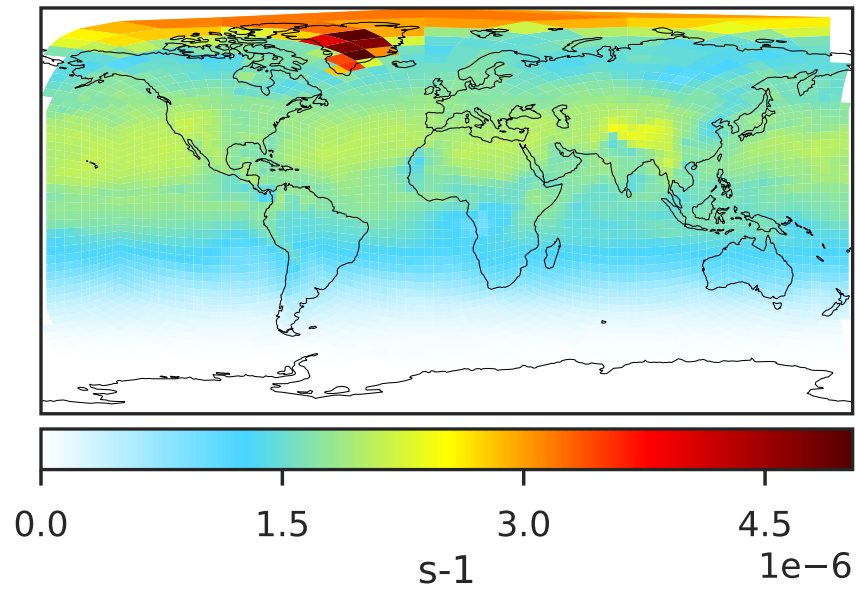


Ratio
Dev/Ref, Fixed Range

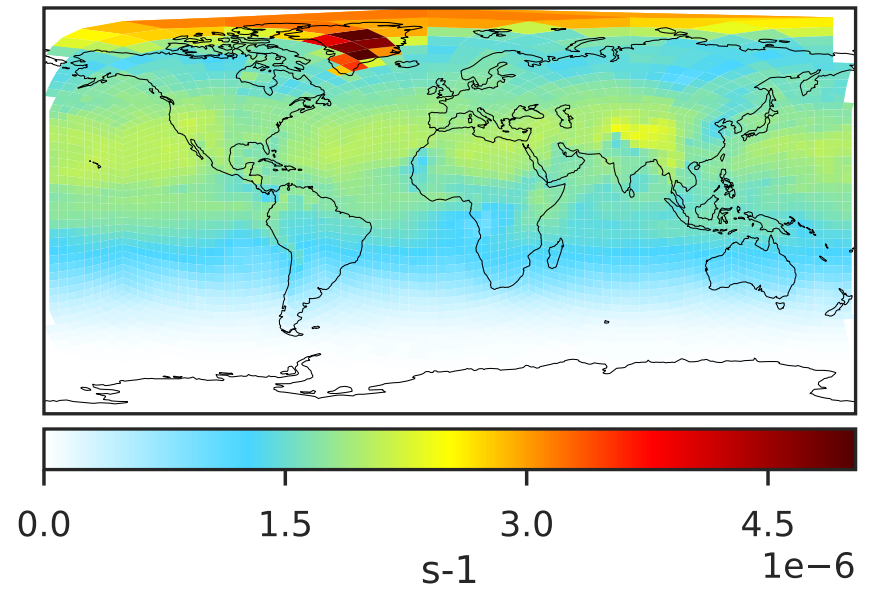


Jval_ATOOH (Jul2019)

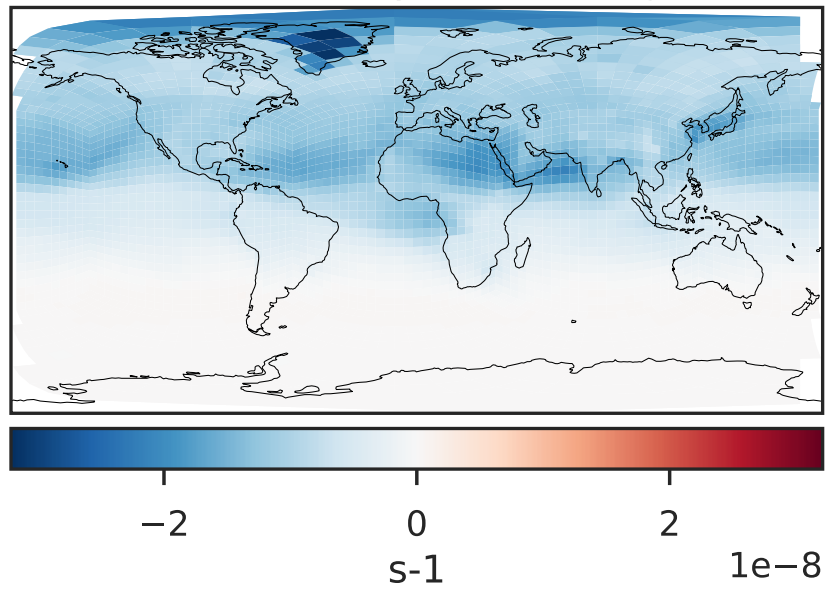
GCHP_14.0.0 (Ref)
c24



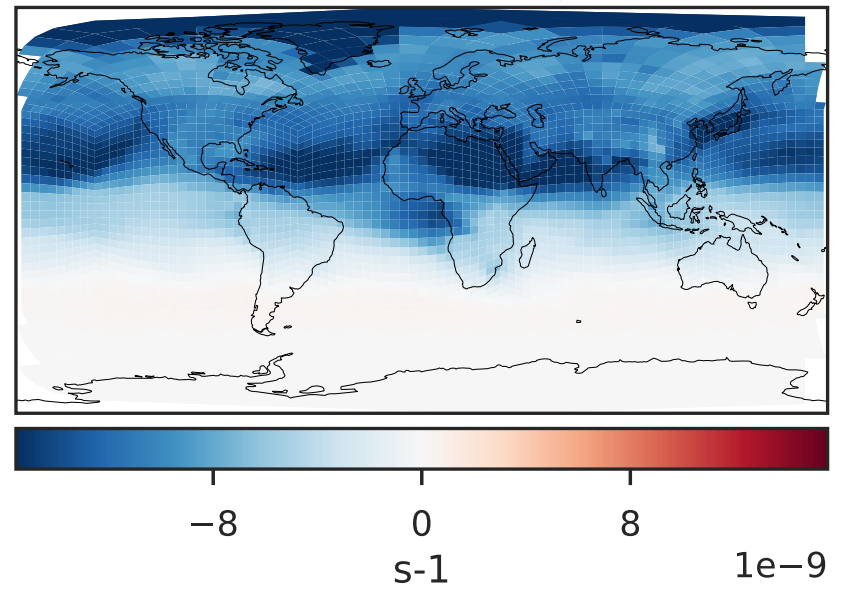
GCHP_14.2.0 (Dev)
c24



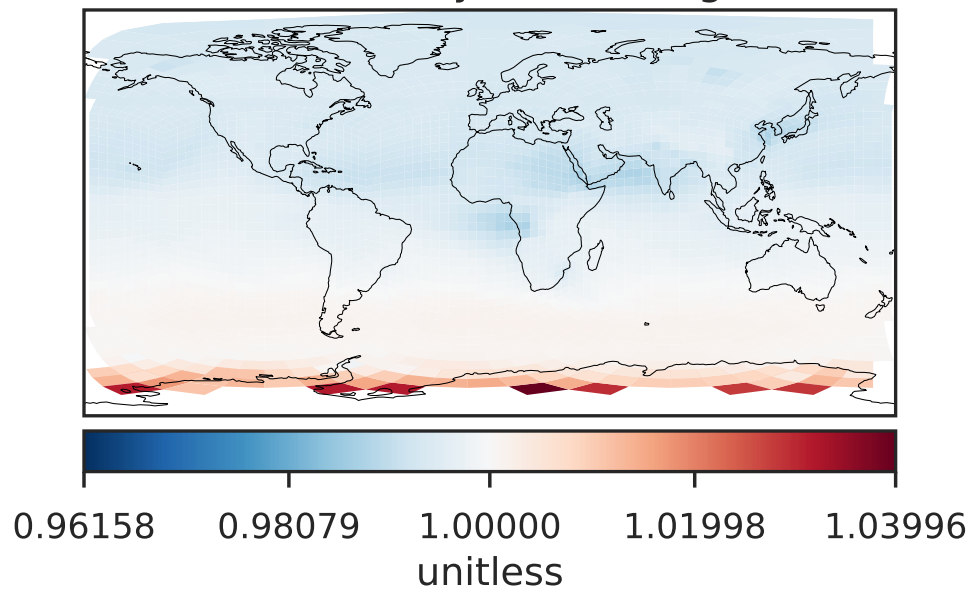
Difference
Dev - Ref, Dynamic Range



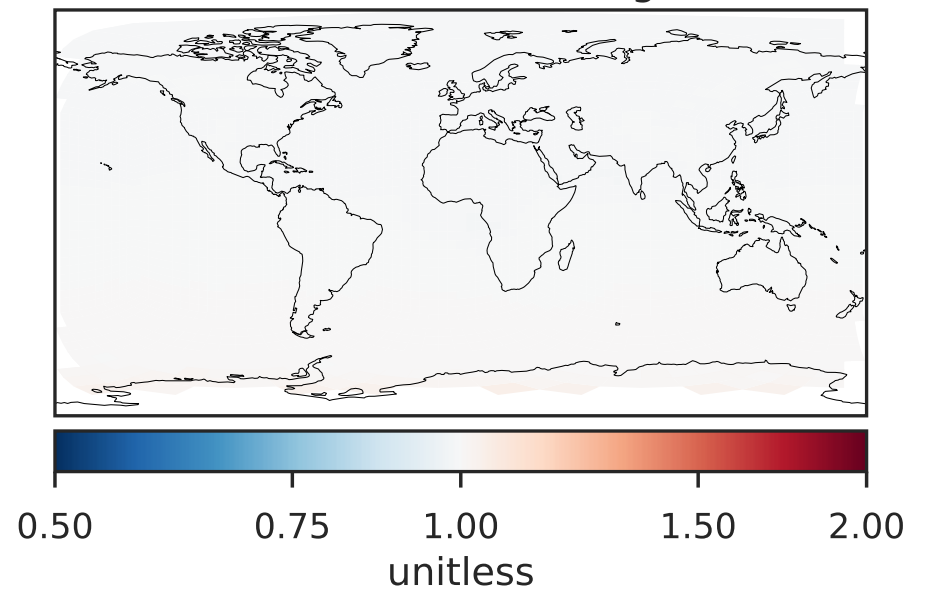
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

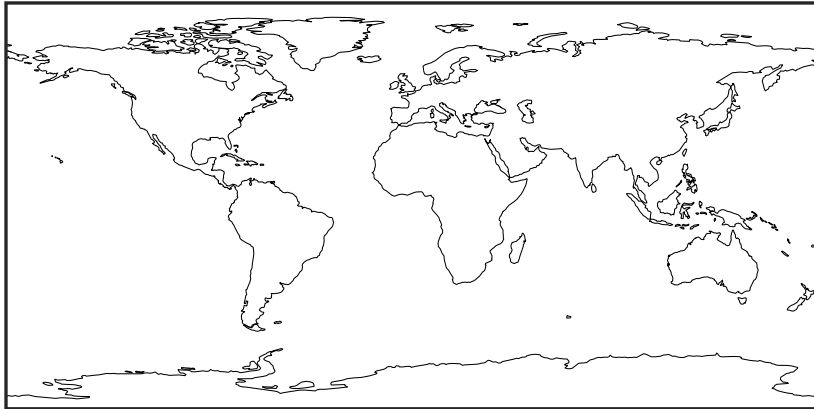


Ratio
Dev/Ref, Fixed Range



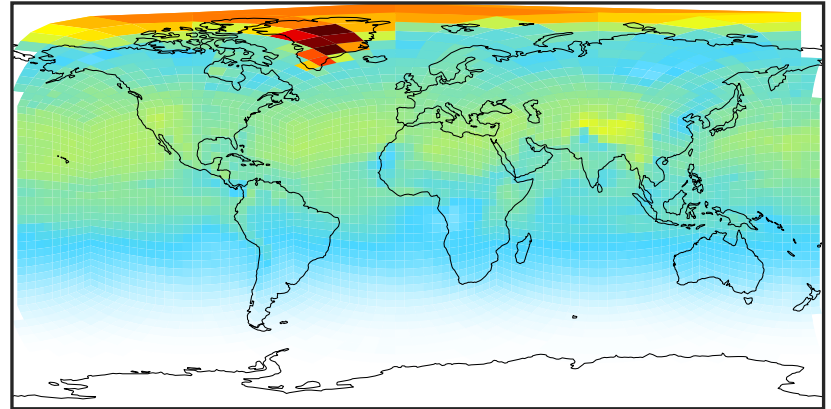
Jval_BALD (Jul2019)

GCHP_14.0.0 (Ref)
c24



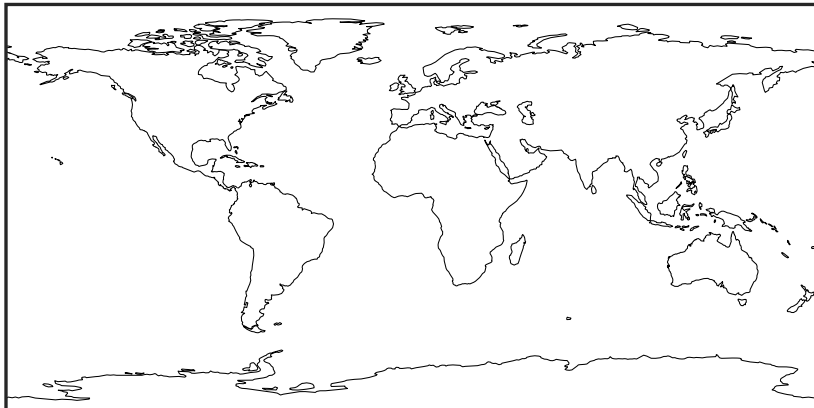
Undefined throughout domain
s-1

GCHP_14.2.0 (Dev)
c24



0.0 0.6 1.2 1.8
s-1 $1e-5$

Difference
Dev - Ref, Dynamic Range



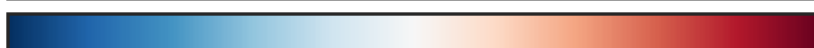
Undefined throughout domain
s-1

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



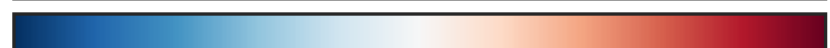
Undefined throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range



Undefined throughout domain
unitless

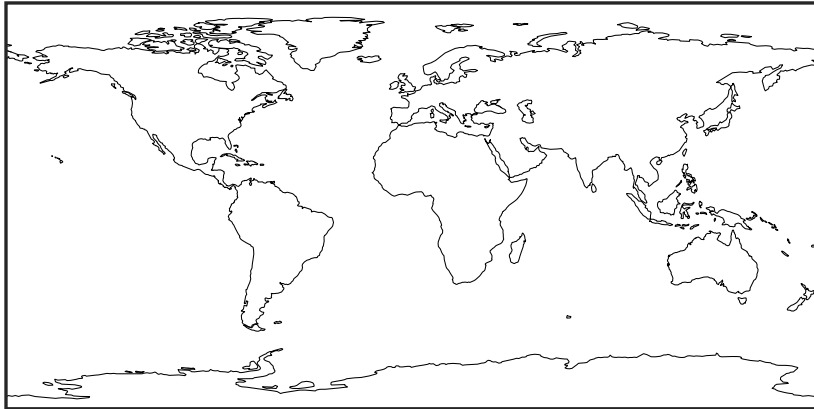
Ratio
Dev/Ref, Fixed Range



Undefined throughout domain
unitless

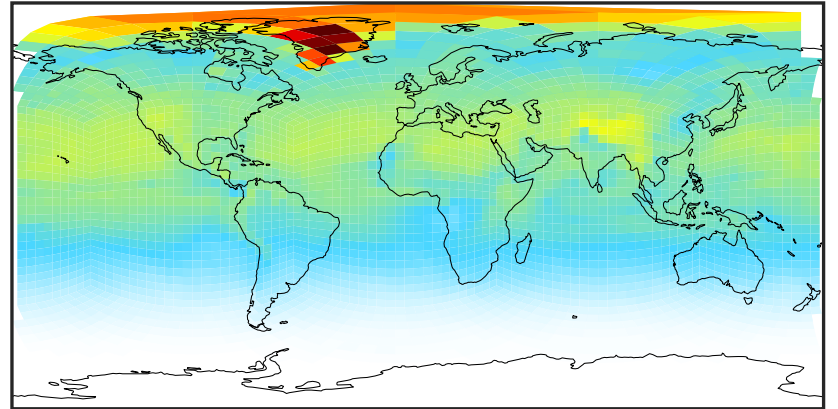
Jval_BENZP (Jul2019)

GCHP_14.0.0 (Ref)
c24



Undefined throughout domain
s-1

GCHP_14.2.0 (Dev)
c24



0.0 1.5 3.0 4.5
s-1 1e-6

Difference
Dev - Ref, Dynamic Range



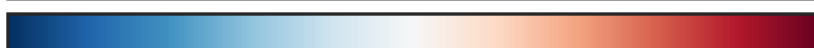
Undefined throughout domain
s-1

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



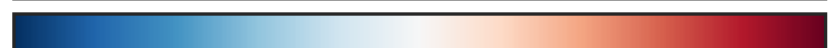
Undefined throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range



Undefined throughout domain
unitless

Ratio
Dev/Ref, Fixed Range



Undefined throughout domain
unitless

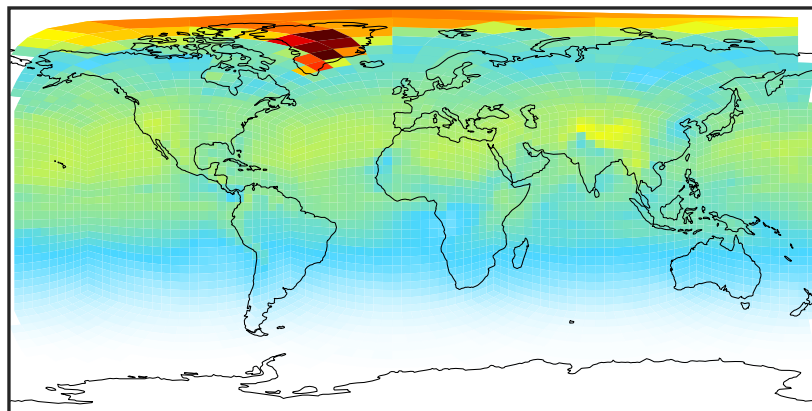
Jval_BZCO3H (Jul2019)

GCHP_14.0.0 (Ref)
c24



Undefined throughout domain
s-1

GCHP_14.2.0 (Dev)
c24



0.0 1.5 3.0 4.5
s-1 1e-6

Difference
Dev - Ref, Dynamic Range



Undefined throughout domain
s-1

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



Undefined throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range



Undefined throughout domain
unitless

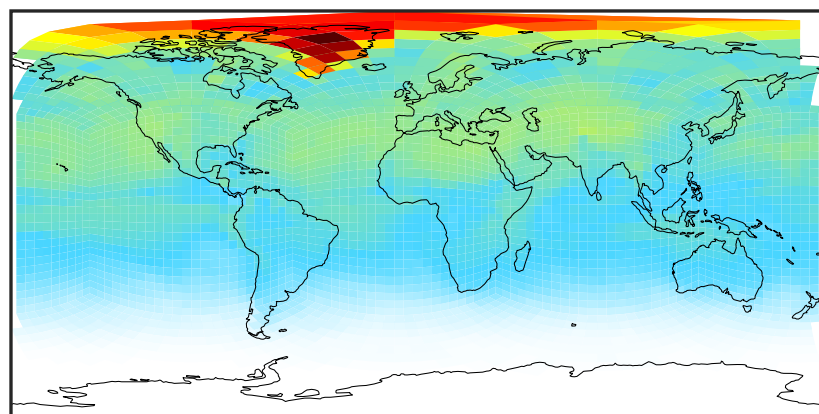
Ratio
Dev/Ref, Fixed Range



Undefined throughout domain
unitless

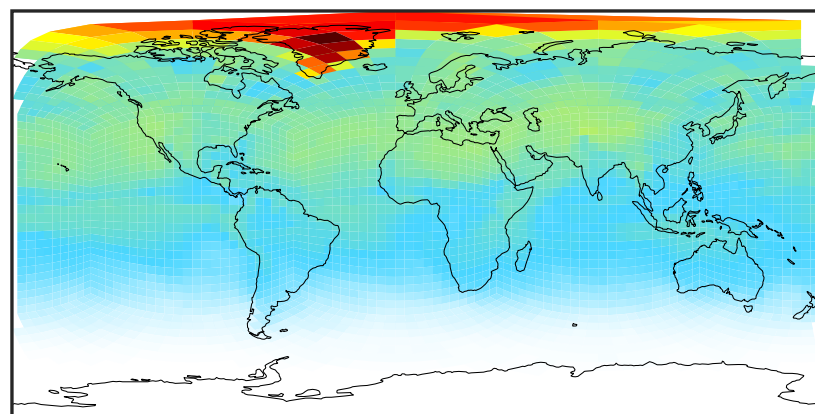
Jval_Br2 (Jul2019)

GCHP_14.0.0 (Ref)
c24



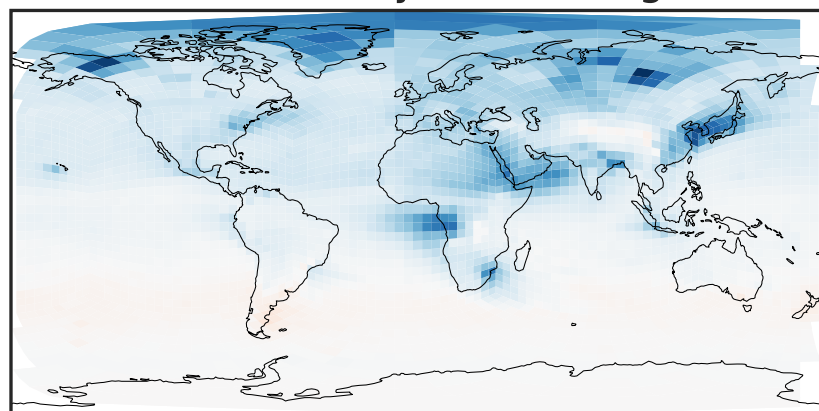
0.000 0.015 0.030
s-1

GCHP_14.2.0 (Dev)
c24



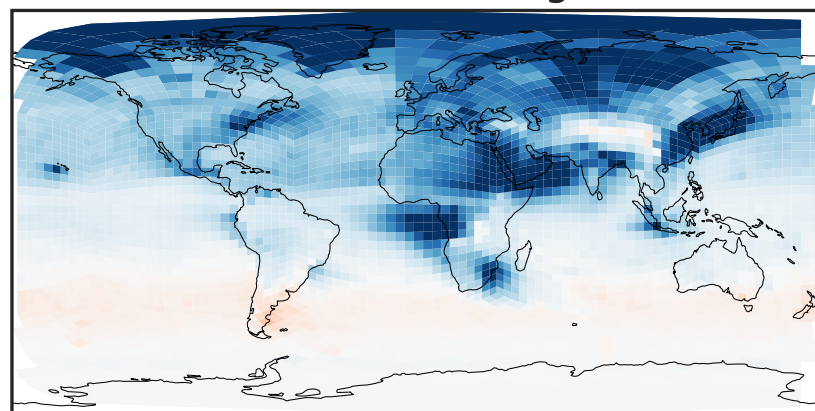
0.000 0.015 0.030
s-1

Difference
Dev - Ref, Dynamic Range



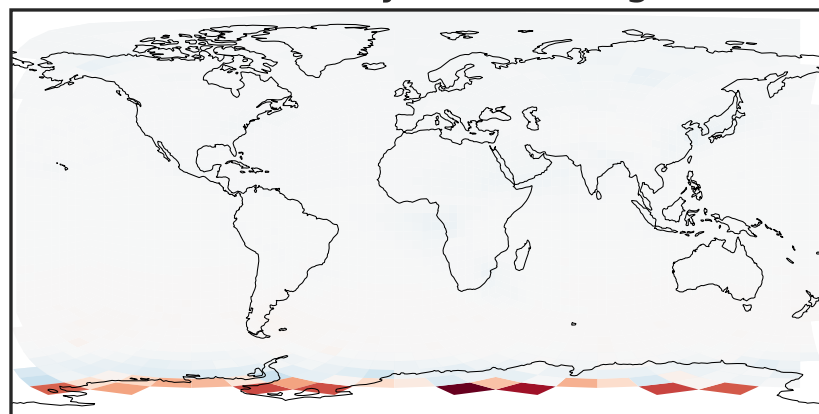
-2.5 0.0 2.5
s-1 1e-5

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



-1 0 1
s-1 1e-5

Ratio
Dev/Ref, Dynamic Range



0.9489 0.9744 1.0000 1.0270 1.0539
unitless

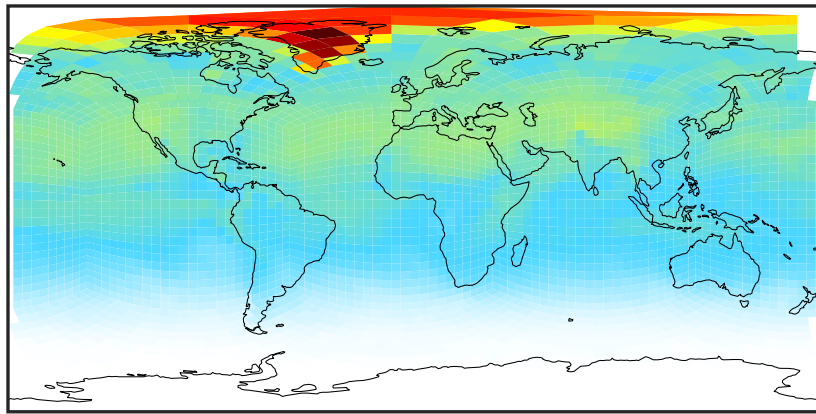
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

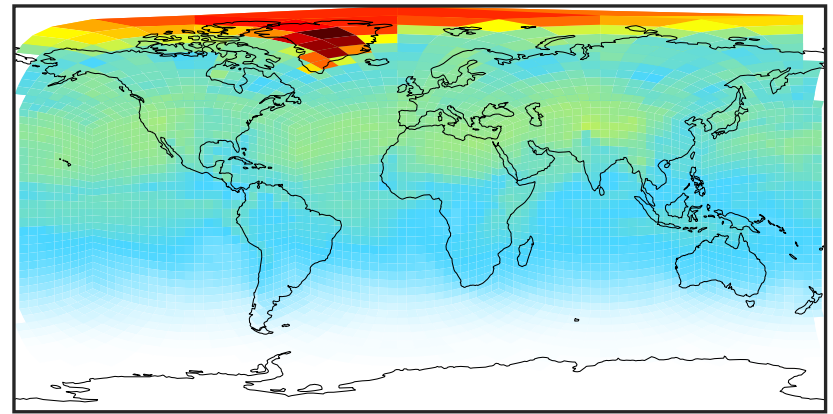
Jval_BrCl (Jul2019)

GCHP_14.0.0 (Ref)
c24



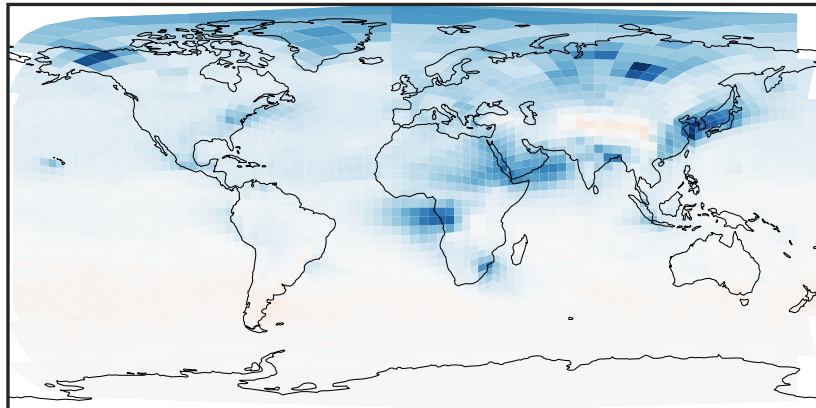
0.000 0.004 0.008 0.012
s-1

GCHP_14.2.0 (Dev)
c24



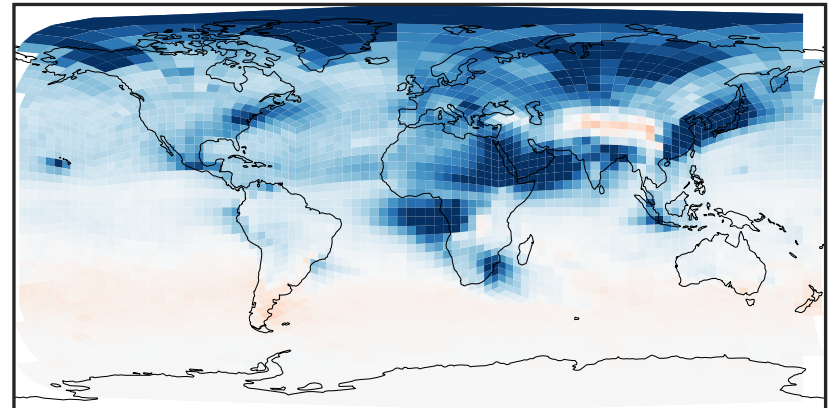
0.000 0.004 0.008 0.012
s-1

Difference
Dev - Ref, Dynamic Range



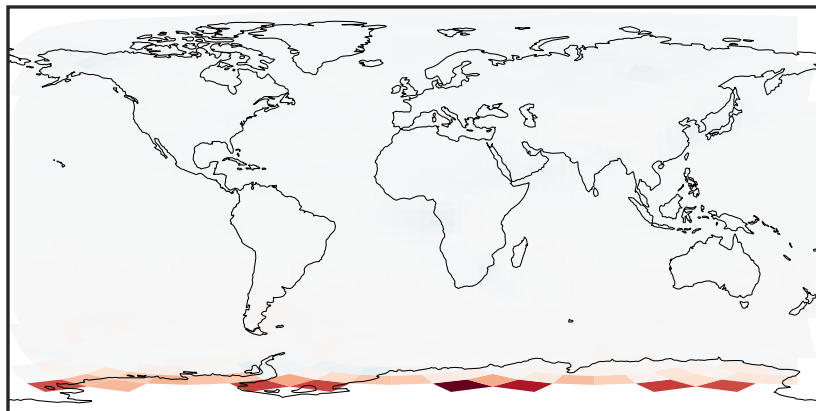
-8 0 8
s-1 $1e-6$

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



-3 0 3
s-1 $1e-6$

Ratio
Dev/Ref, Dynamic Range



0.9480 0.9740 1.0000 1.0274 1.0549
unitless

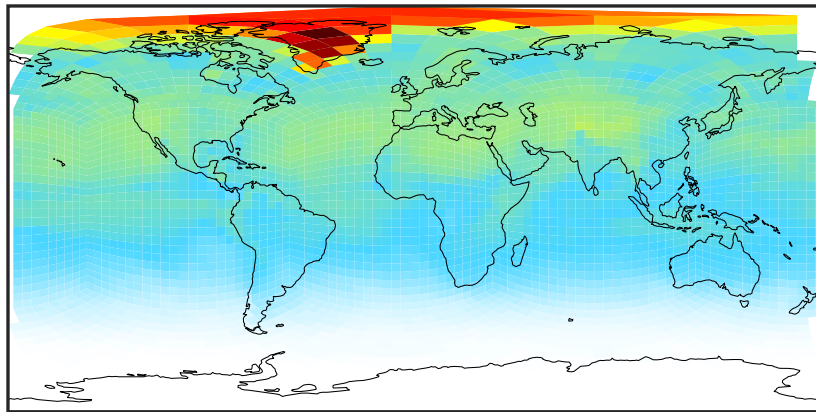
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

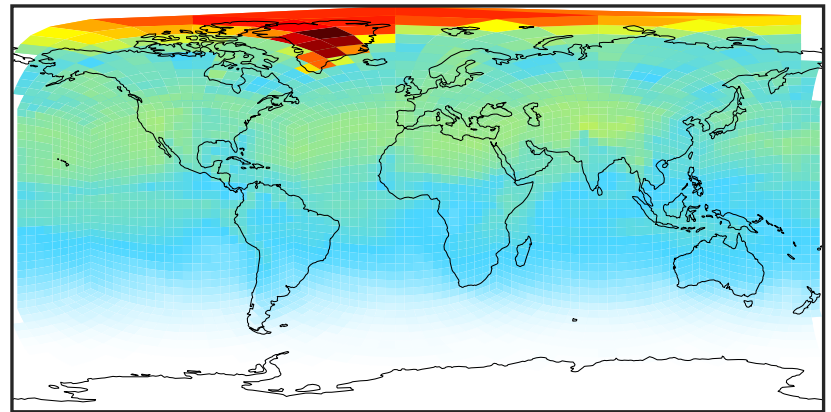
Jval_BrNO2 (Jul2019)

GCHP_14.0.0 (Ref)
c24



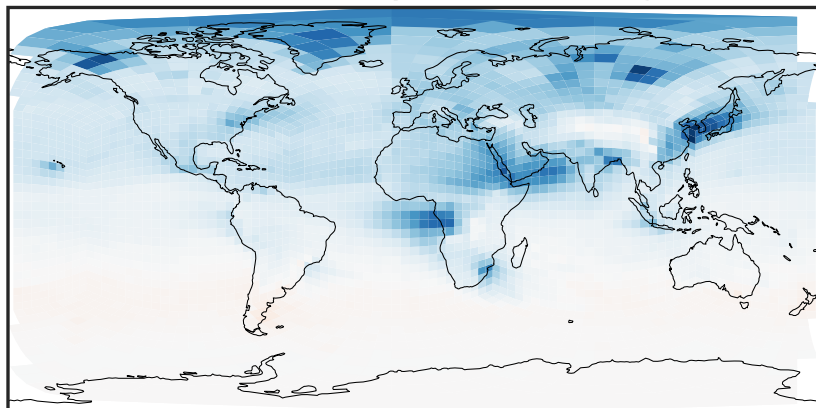
0.000 0.002 0.004 0.006
s-1

GCHP_14.2.0 (Dev)
c24



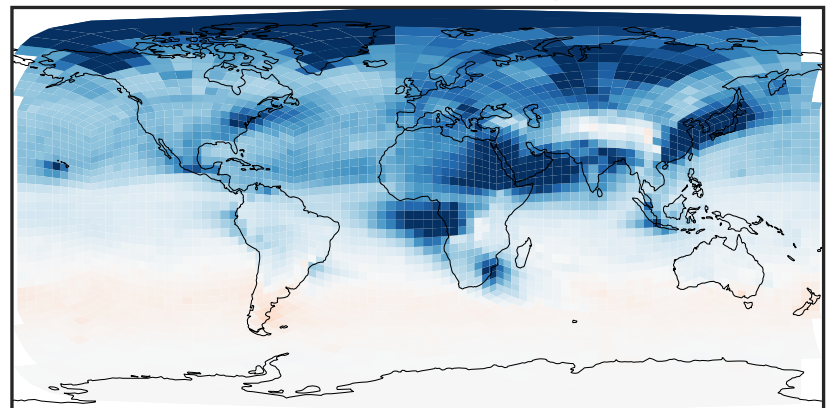
0.000 0.002 0.004 0.006
s-1

Difference
Dev - Ref, Dynamic Range



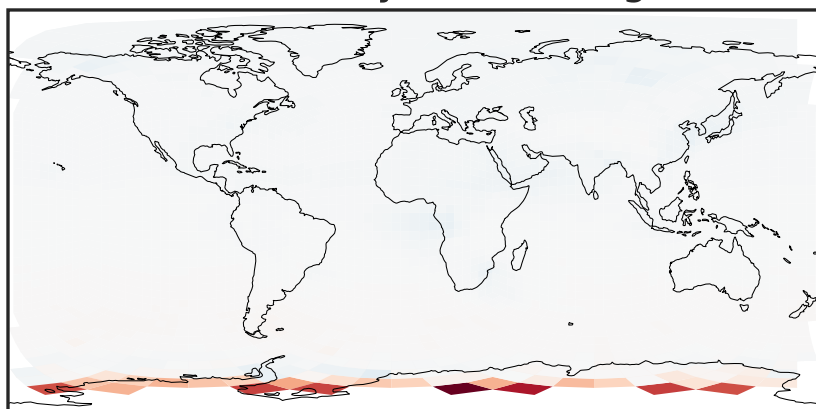
-5 0 5
s-1 1e-6

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



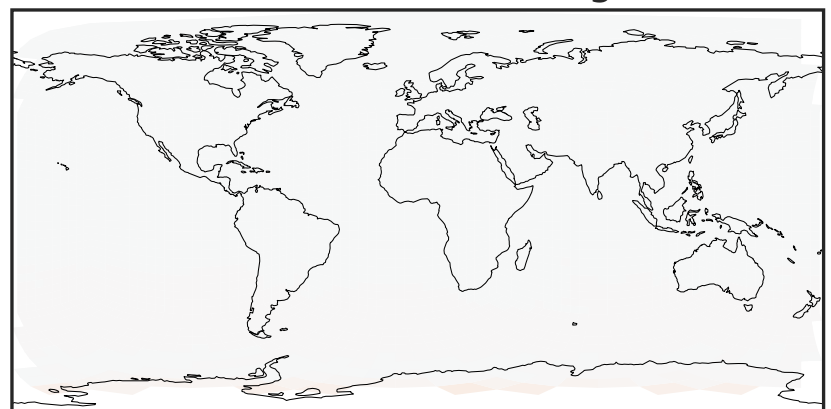
-2.5 0.0 2.5
s-1 1e-6

Ratio
Dev/Ref, Dynamic Range



0.9491 0.9746 1.000 1.0268 1.0536
unitless

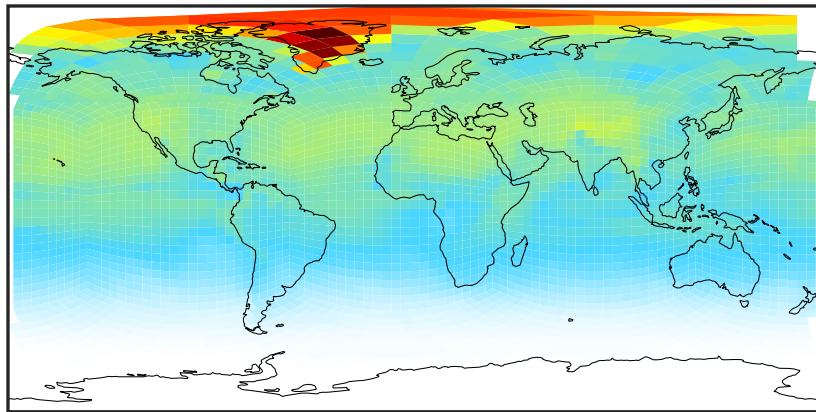
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

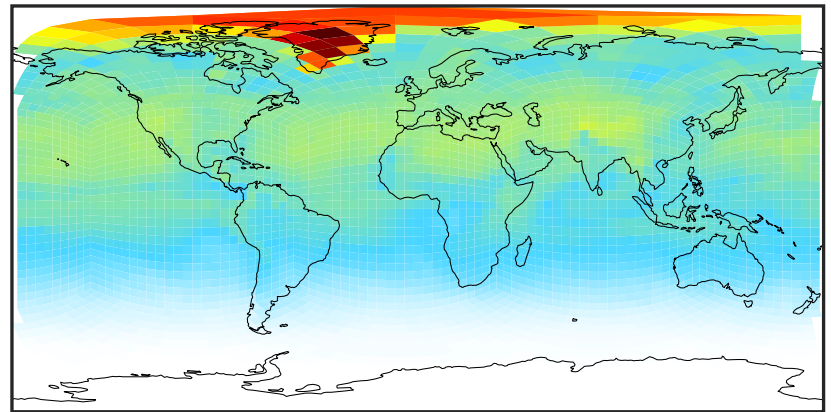
Jval_BrNO3 (Jul2019)

GCHP_14.0.0 (Ref)
c24



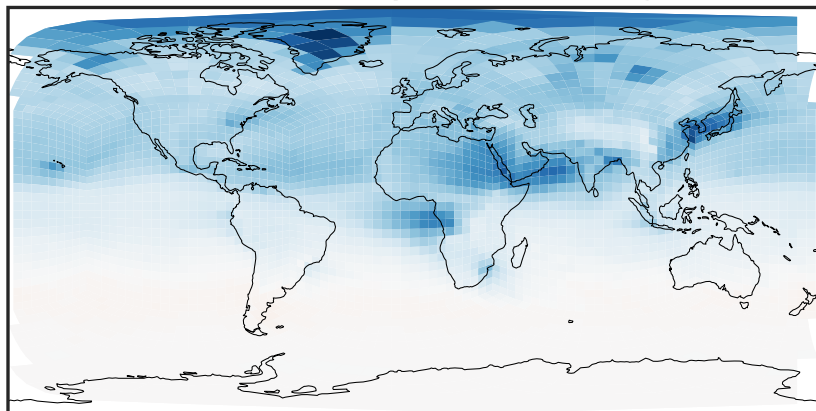
0.0000 0.0004 0.0008 0.0012
s-1

GCHP_14.2.0 (Dev)
c24



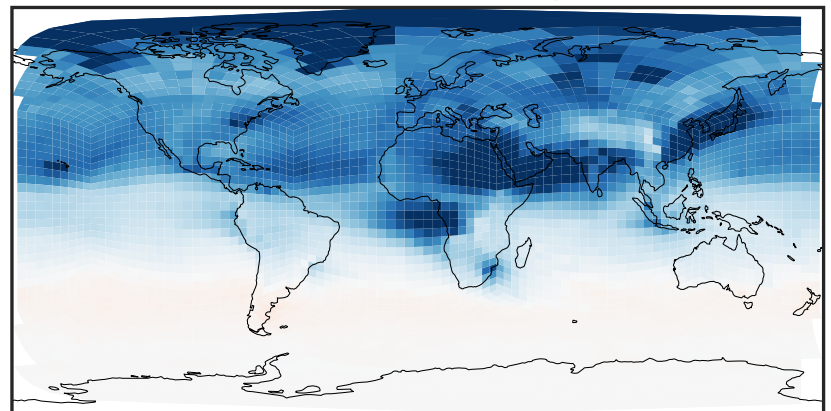
0.0000 0.0004 0.0008 0.0012
s-1

Difference
Dev - Ref, Dynamic Range



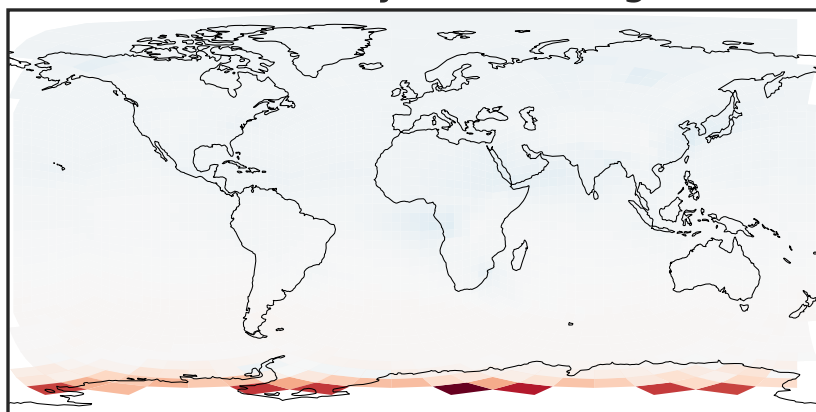
-1.5 0.0 1.5
s-1 1e-6

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



-8 0 8
s-1 1e-7

Ratio
Dev/Ref, Dynamic Range



0.95194 0.97597 1.00000 1.02524 1.05049
unitless

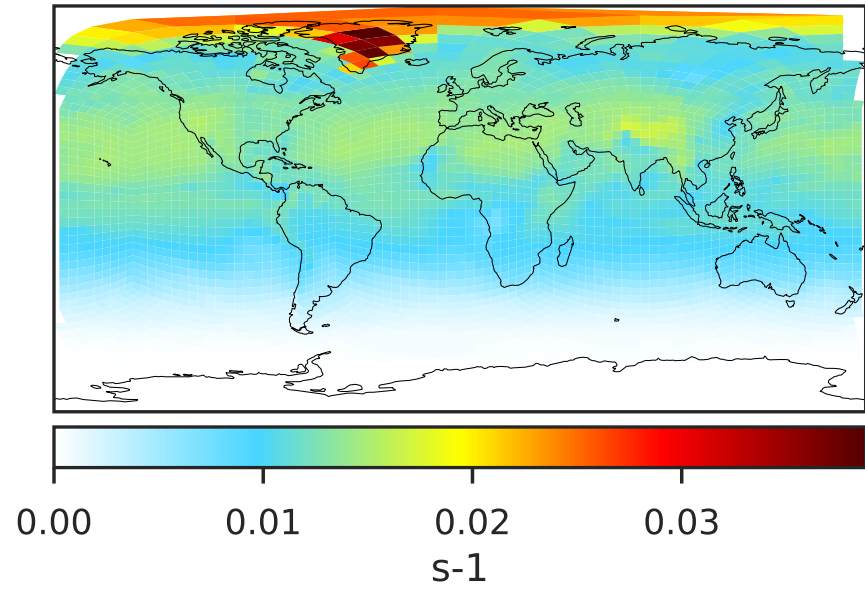
Ratio
Dev/Ref, Fixed Range



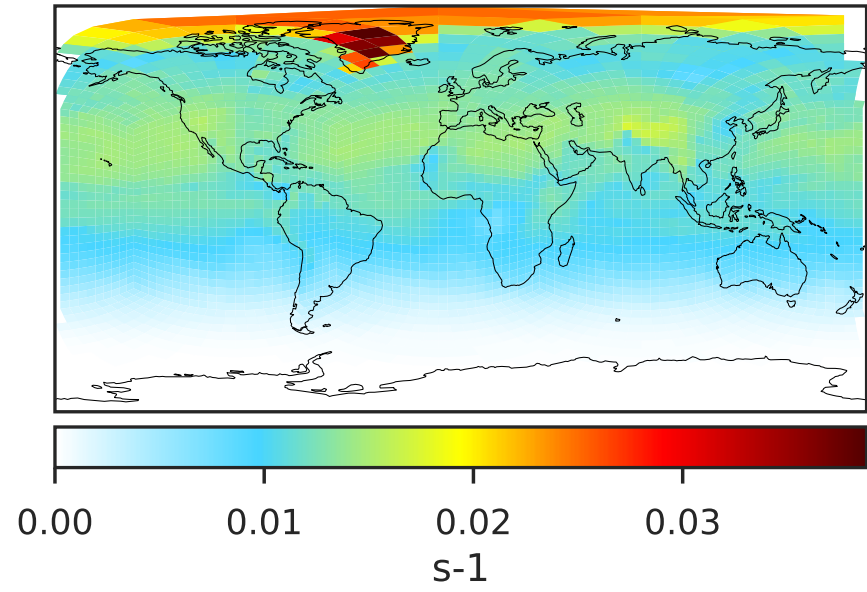
0.50 0.75 1.00 1.50 2.00
unitless

Jval_BrO (Jul2019)

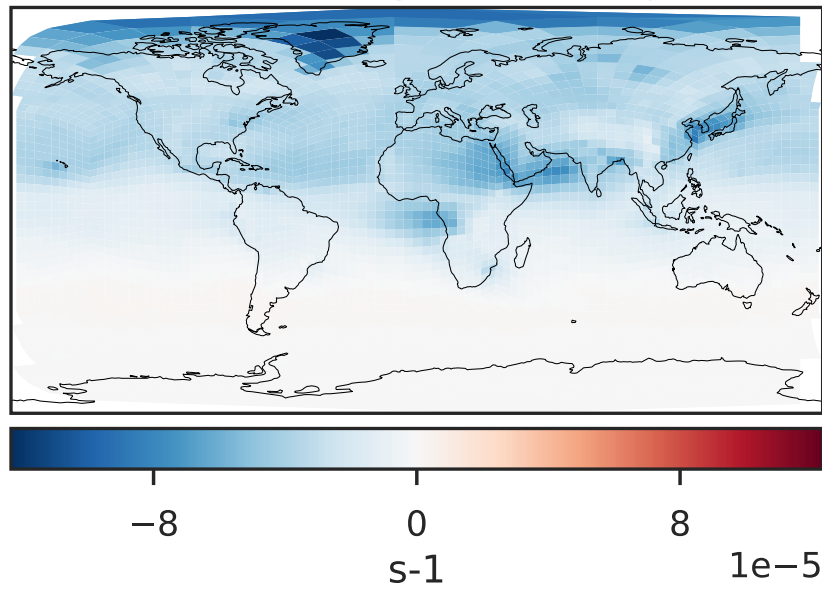
GCHP_14.0.0 (Ref)
c24



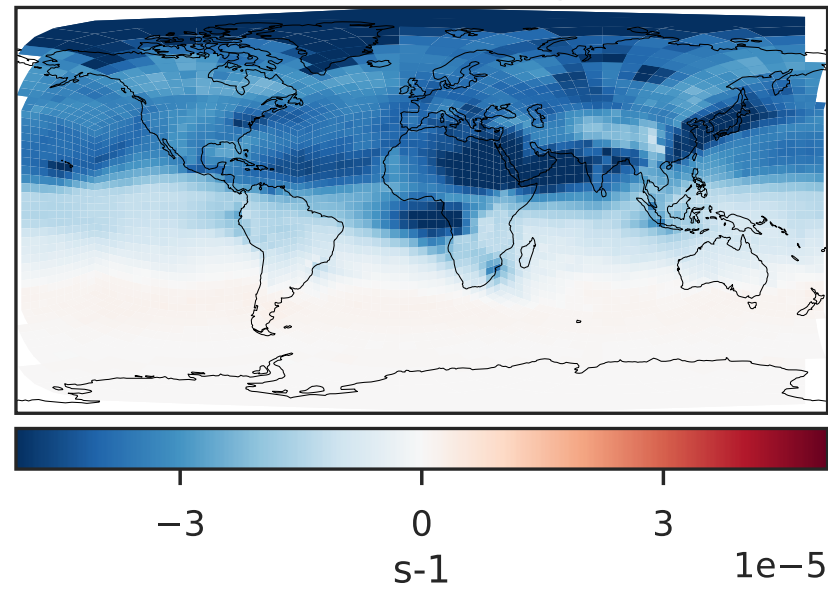
GCHP_14.2.0 (Dev)
c24



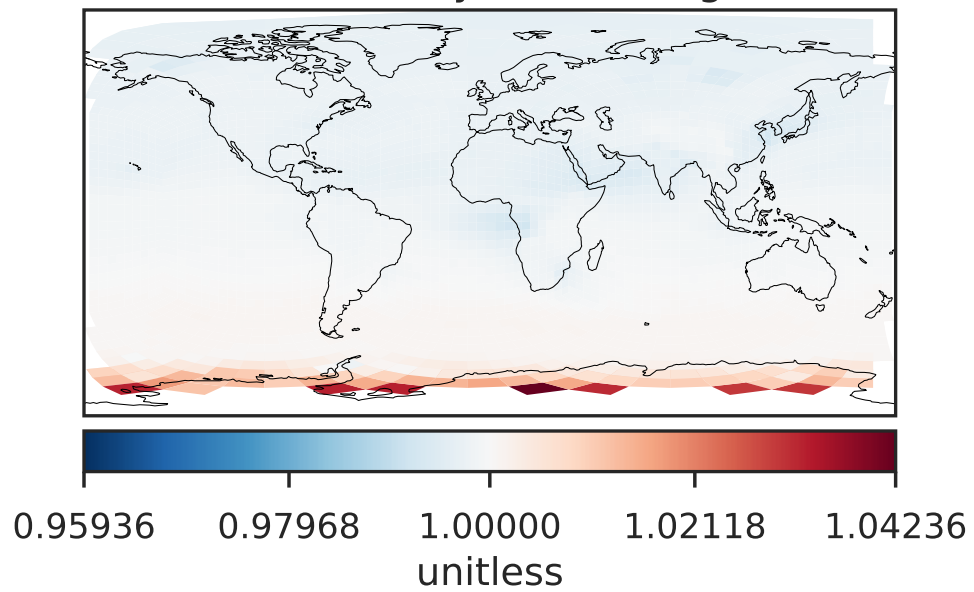
Difference
Dev - Ref, Dynamic Range



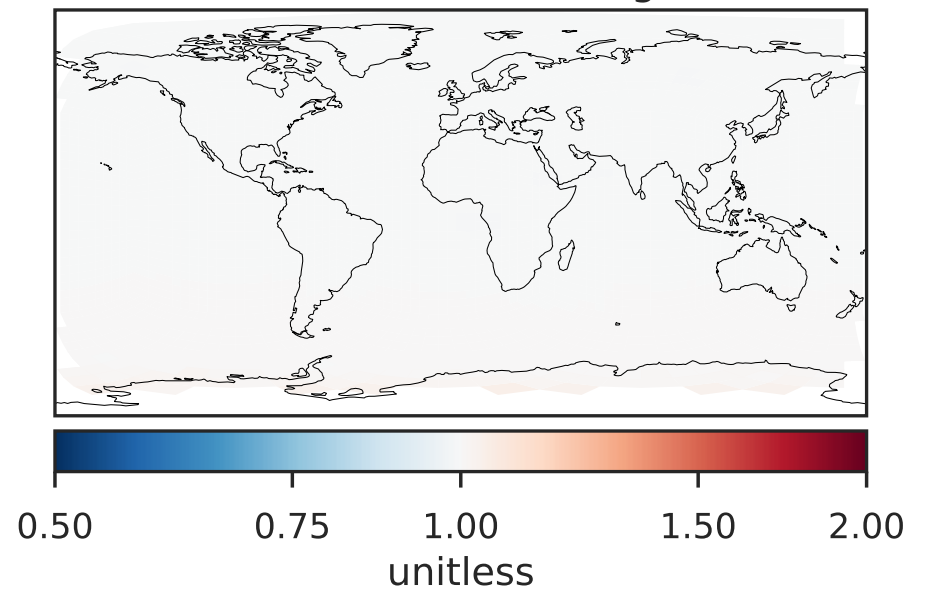
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

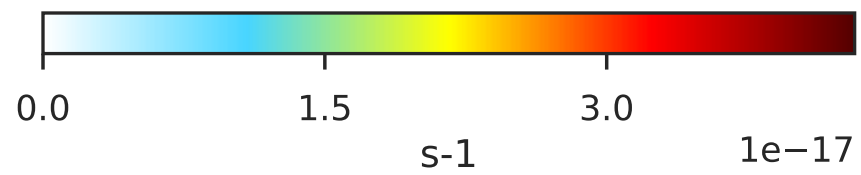
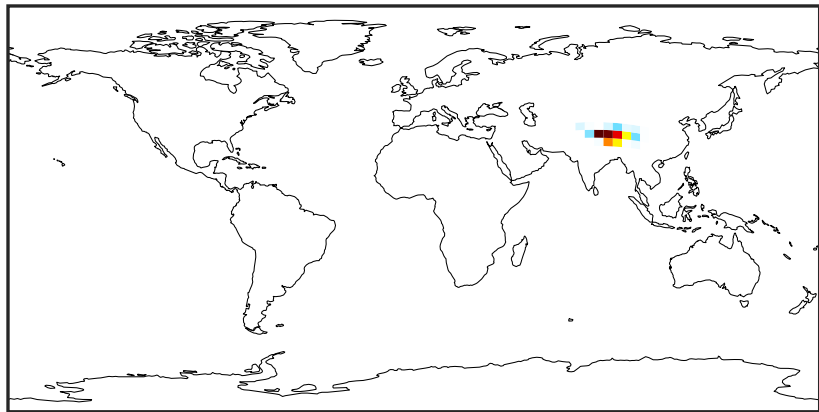


Ratio
Dev/Ref, Fixed Range

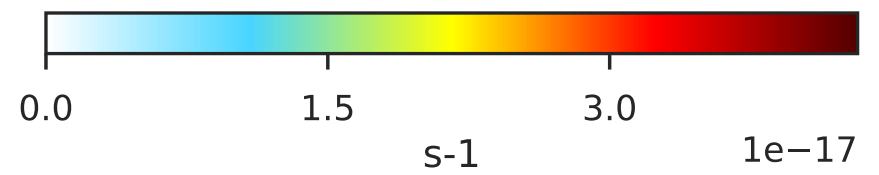
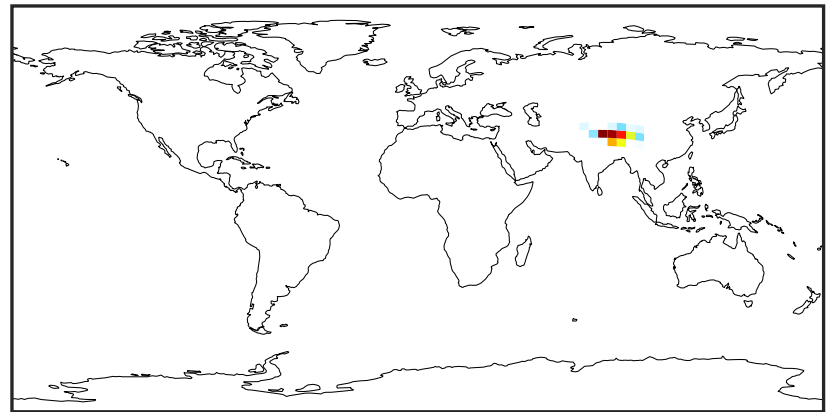


Jval_CCI4 (Jul2019)

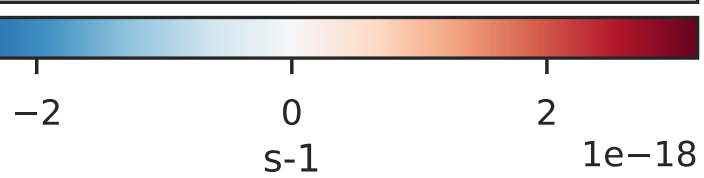
GCHP_14.0.0 (Ref)
c24



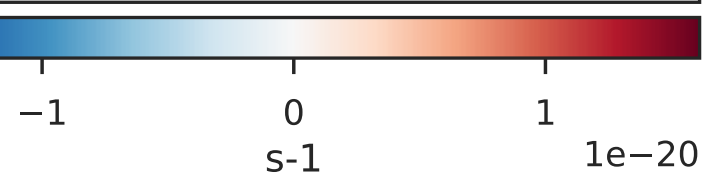
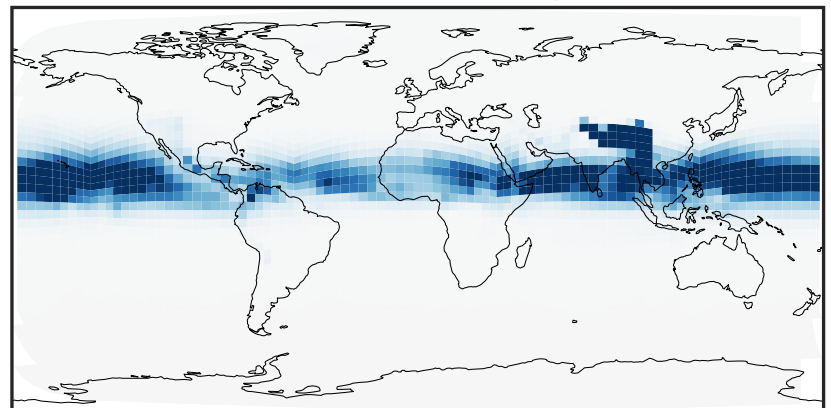
GCHP_14.2.0 (Dev)
c24



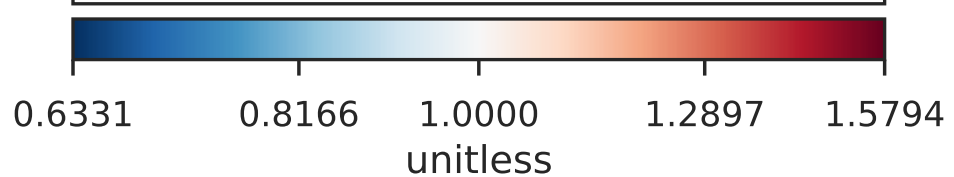
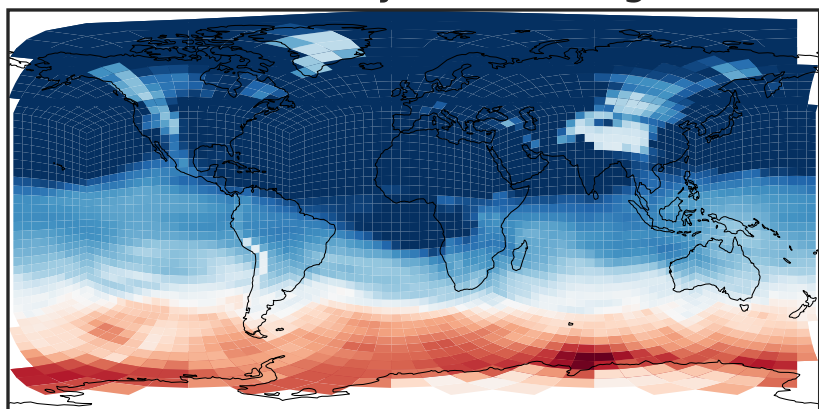
Difference
Dev - Ref, Dynamic Range



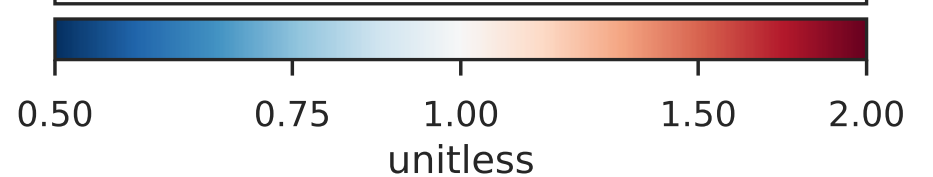
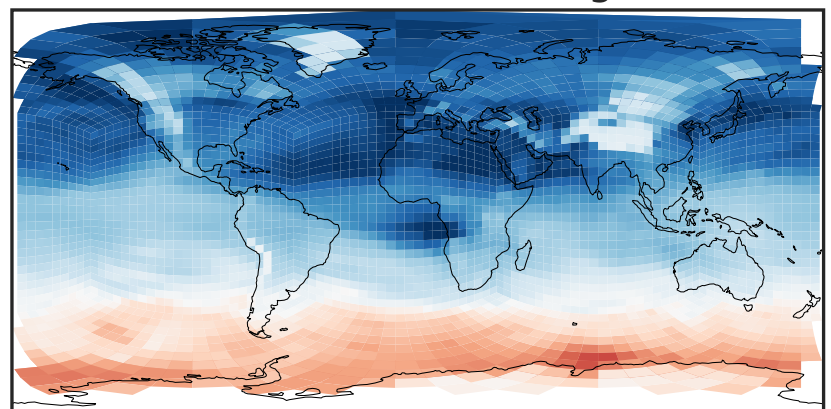
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

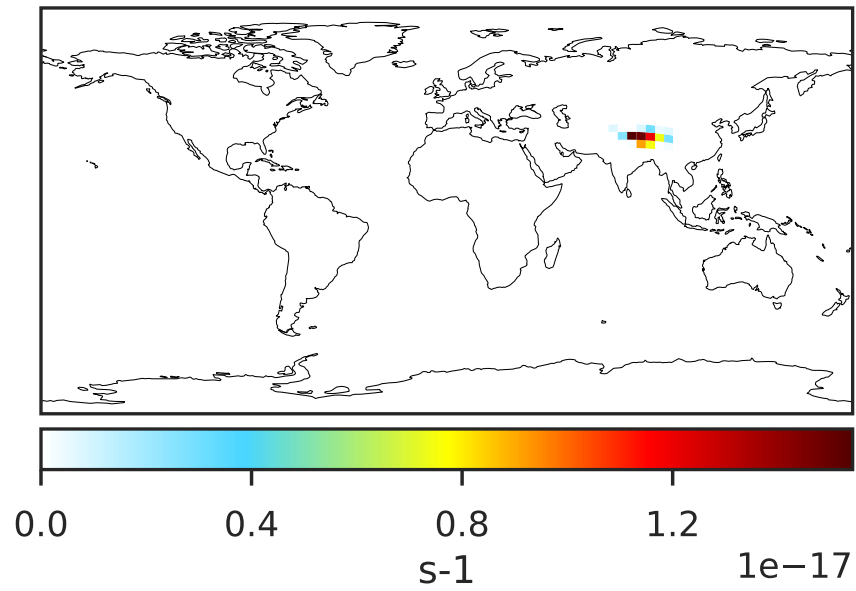


Ratio
Dev/Ref, Fixed Range

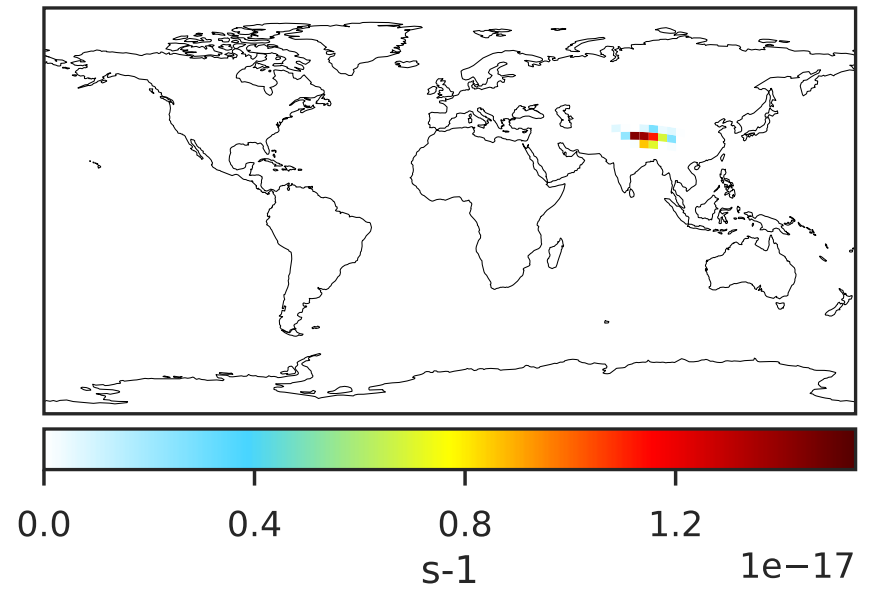


Jval_CFC11 (Jul2019)

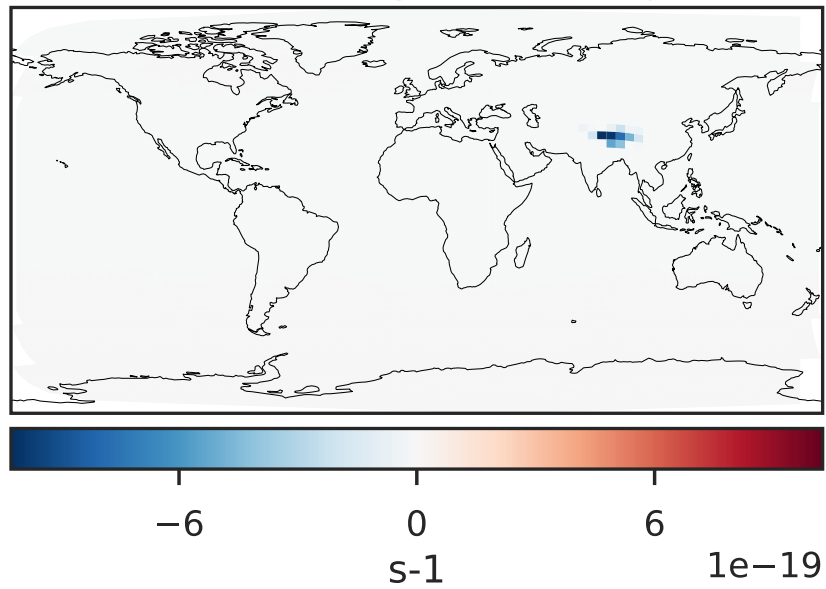
GCHP_14.0.0 (Ref)
c24



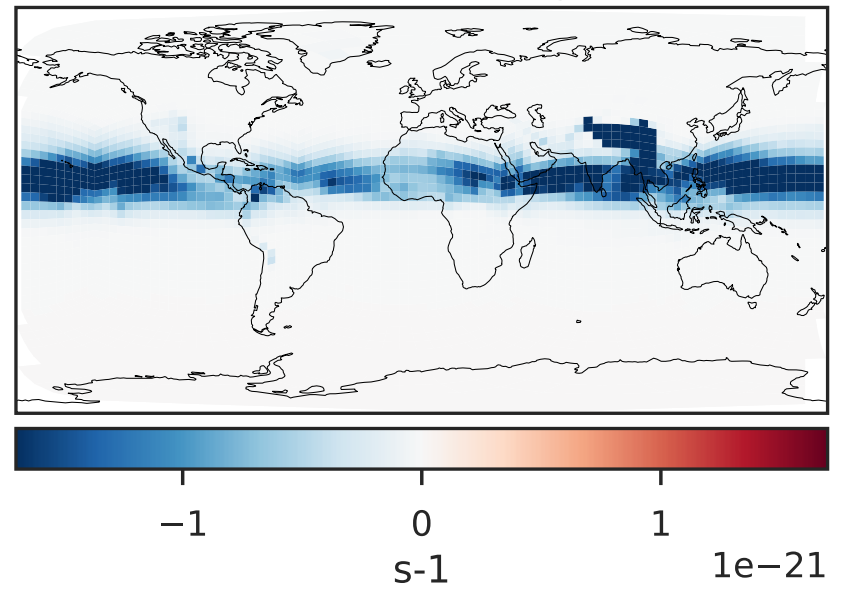
GCHP_14.2.0 (Dev)
c24



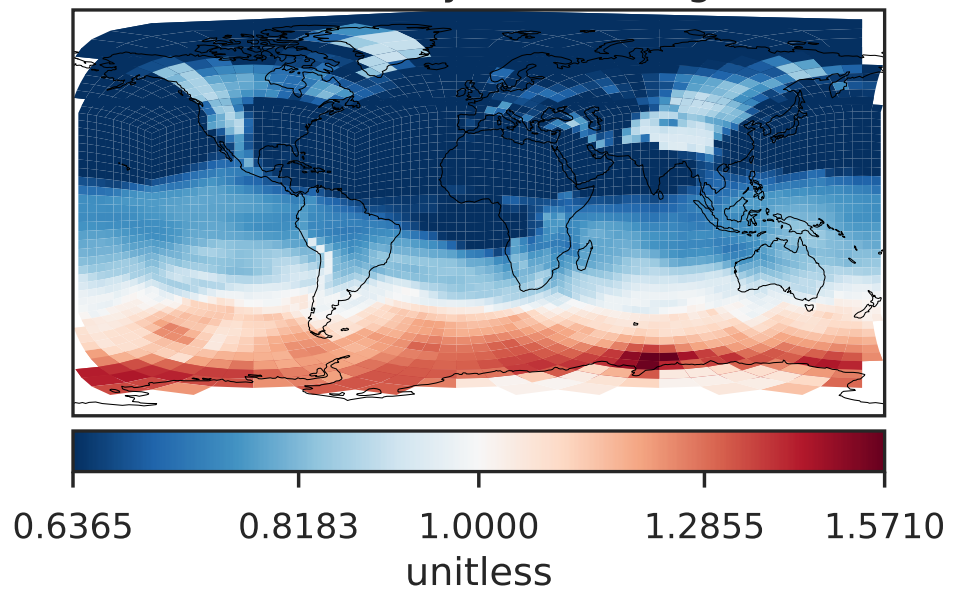
Difference
Dev - Ref, Dynamic Range



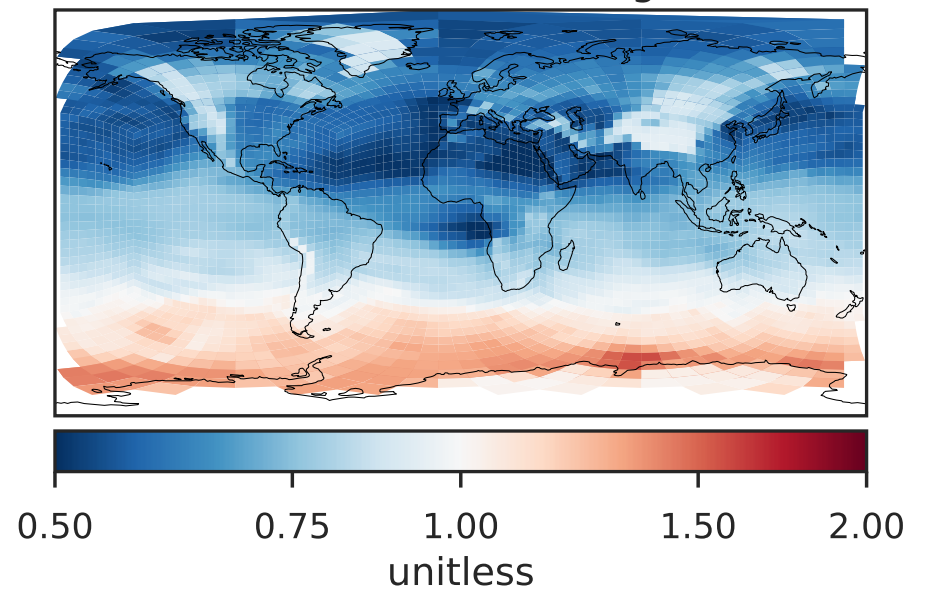
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

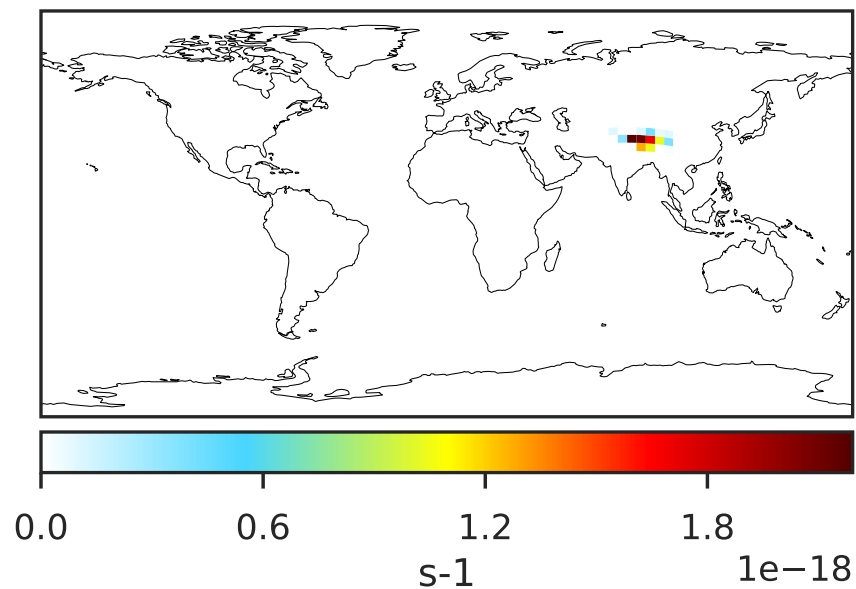


Ratio
Dev/Ref, Fixed Range

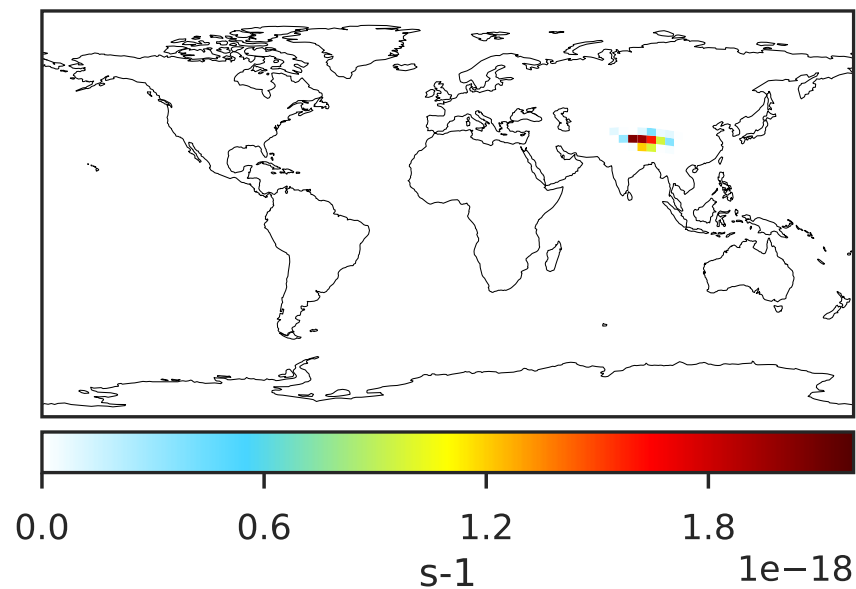


Jval_CFC113 (Jul2019)

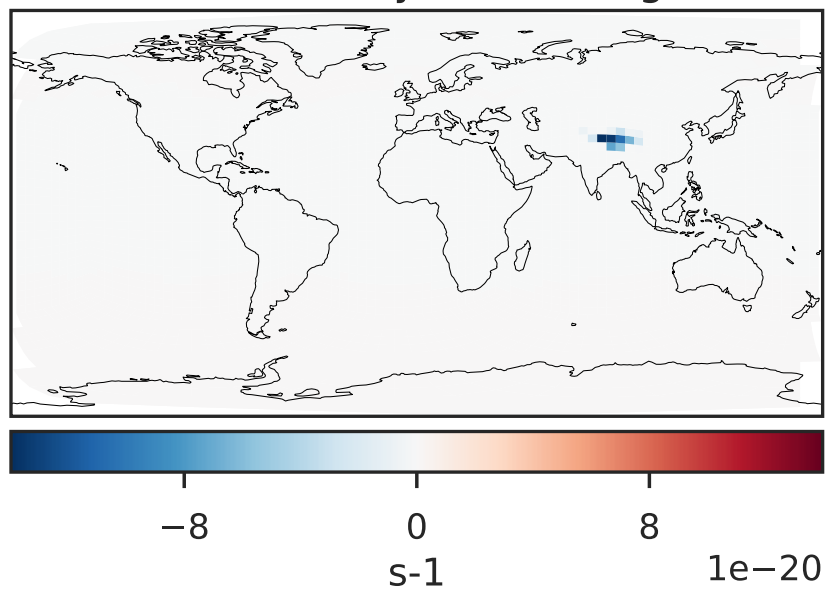
GCHP_14.0.0 (Ref)
c24



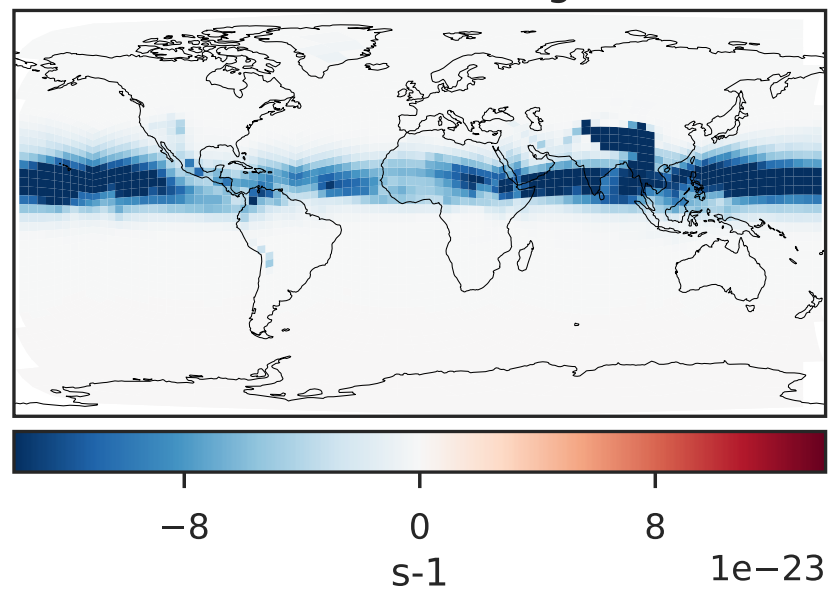
GCHP_14.2.0 (Dev)
c24



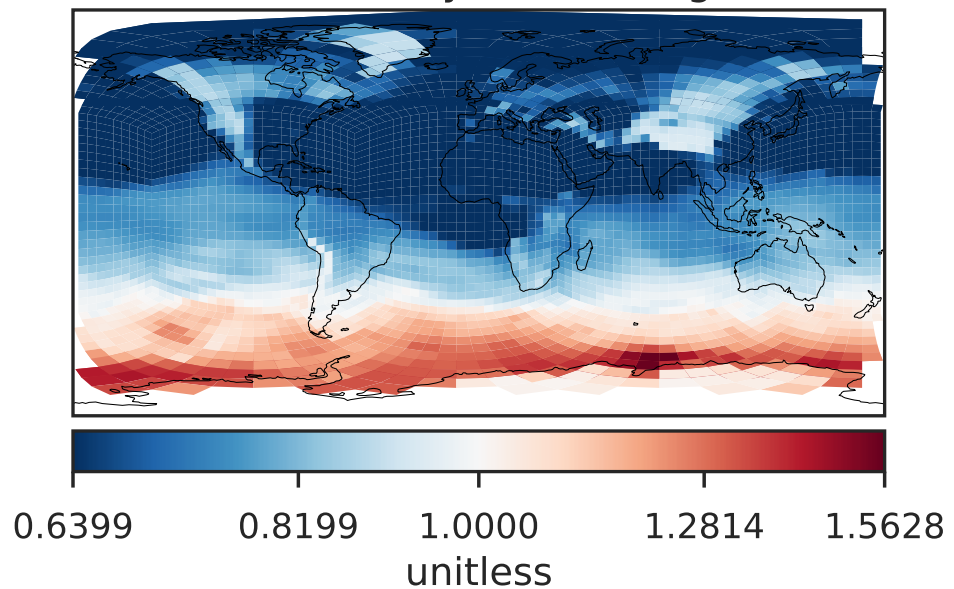
Difference
Dev - Ref, Dynamic Range



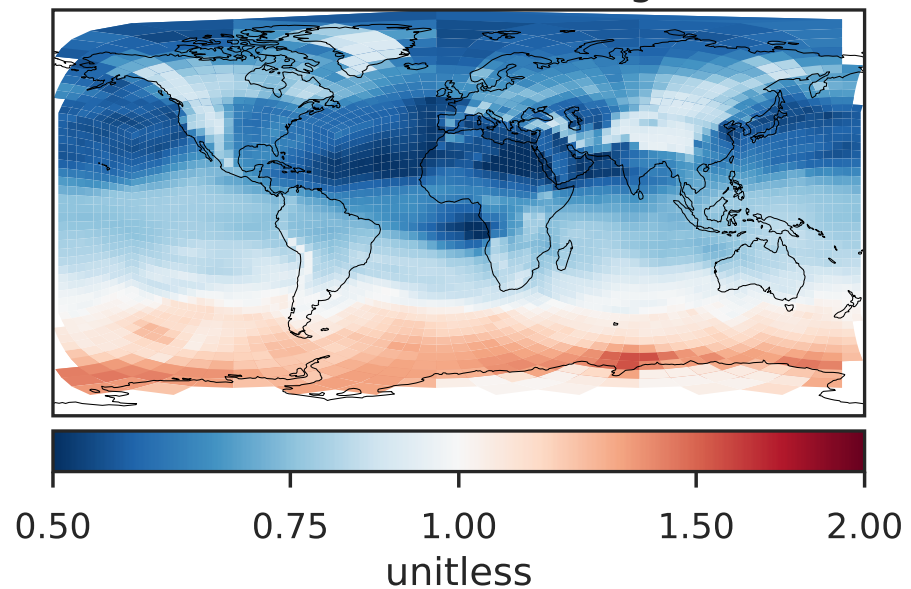
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

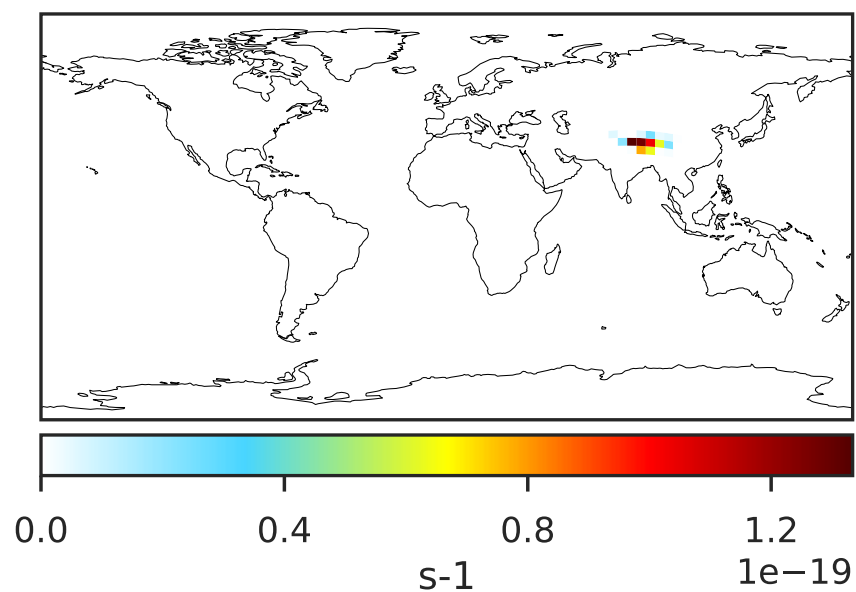


Ratio
Dev/Ref, Fixed Range

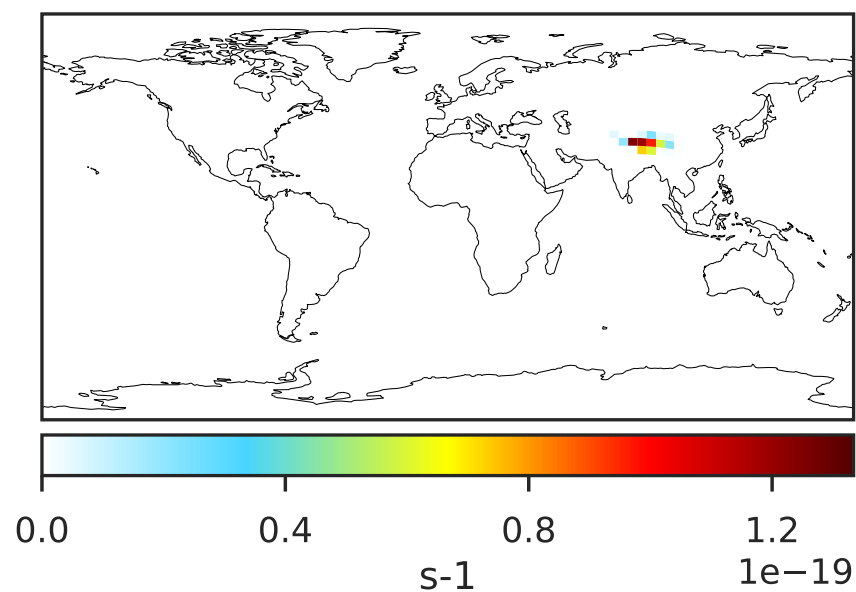


Jval_CFC114 (Jul2019)

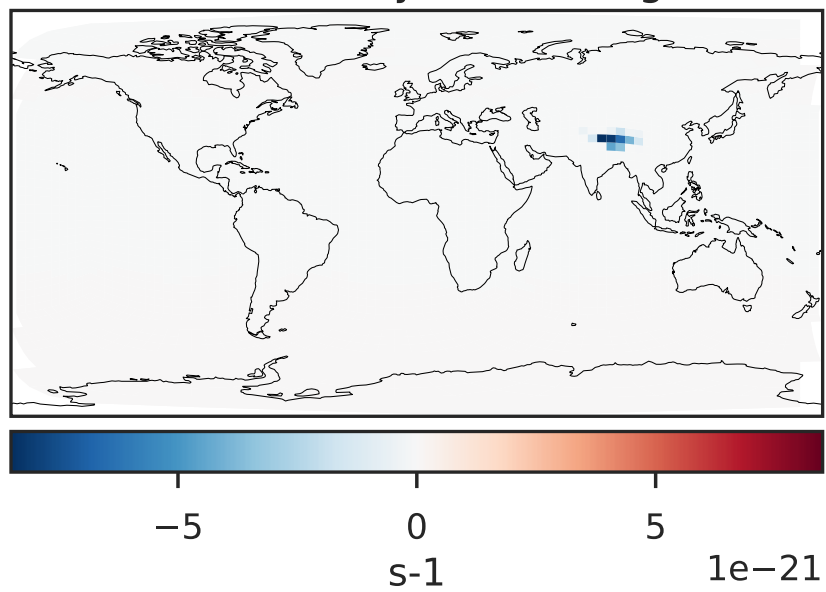
GCHP_14.0.0 (Ref)
c24



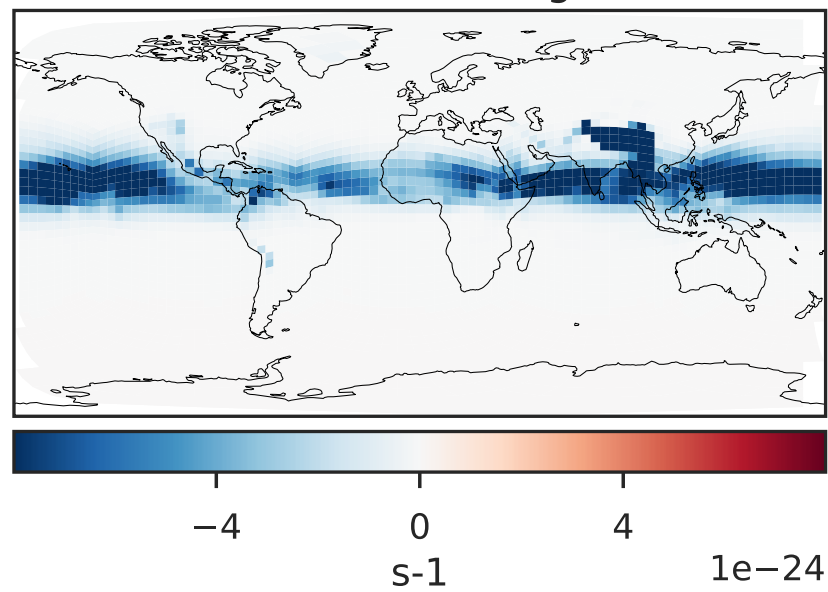
GCHP_14.2.0 (Dev)
c24



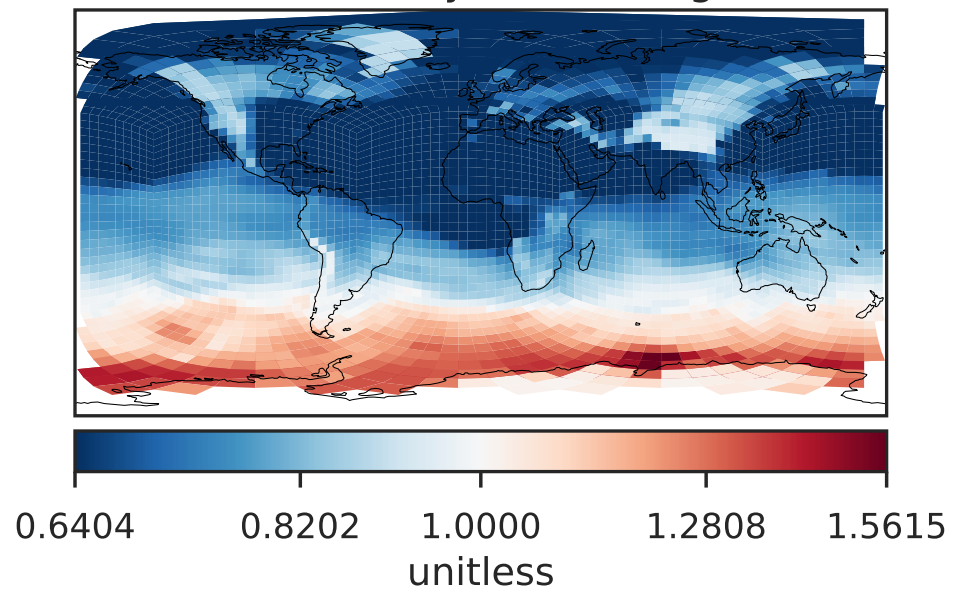
Difference
Dev - Ref, Dynamic Range



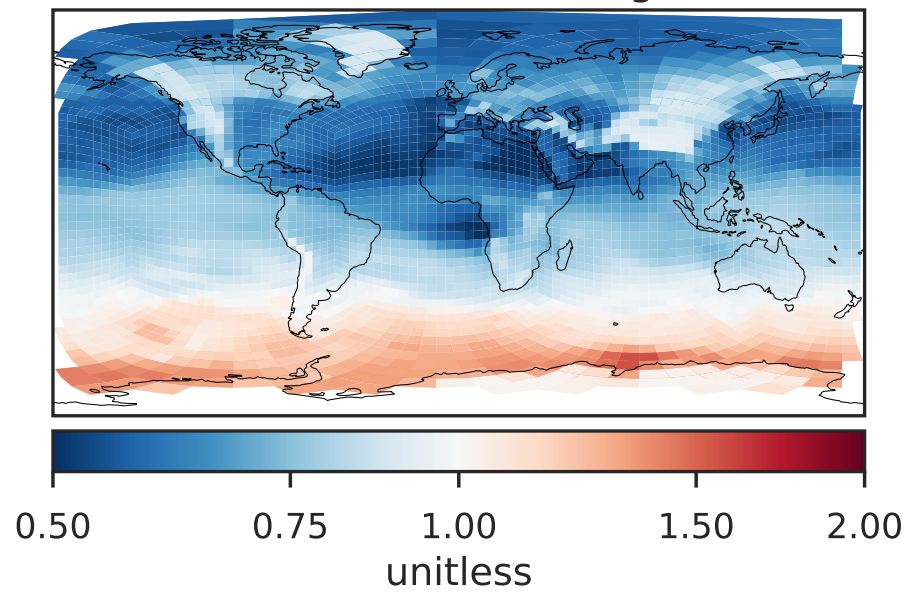
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

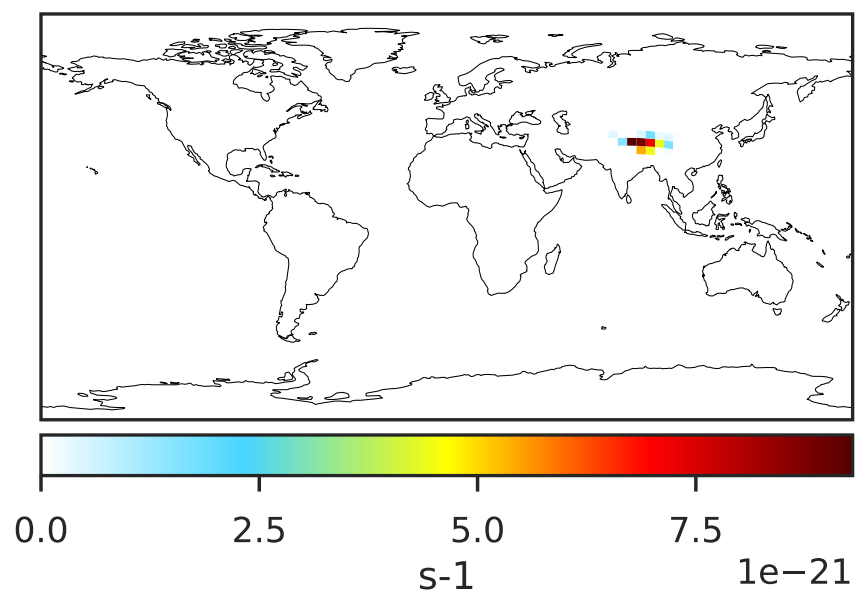


Ratio
Dev/Ref, Fixed Range

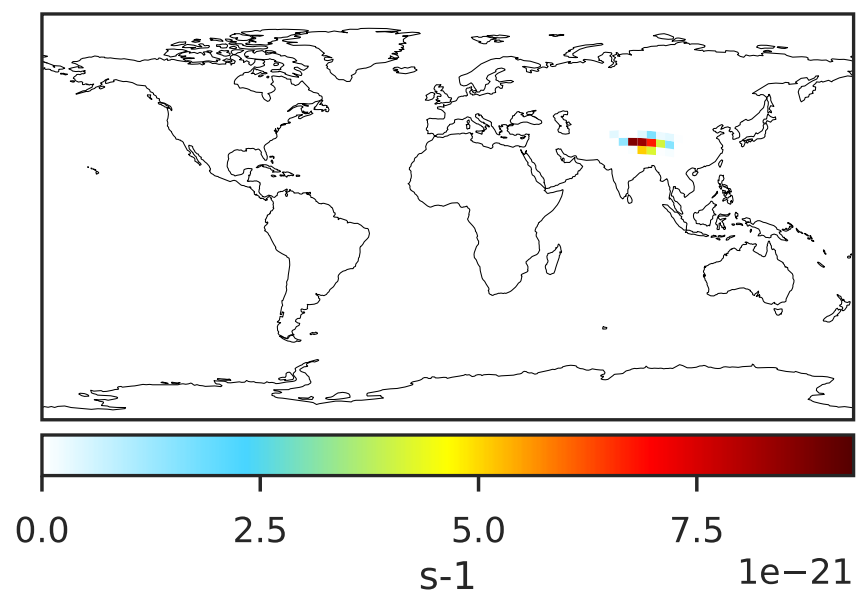


Jval_CFC115 (Jul2019)

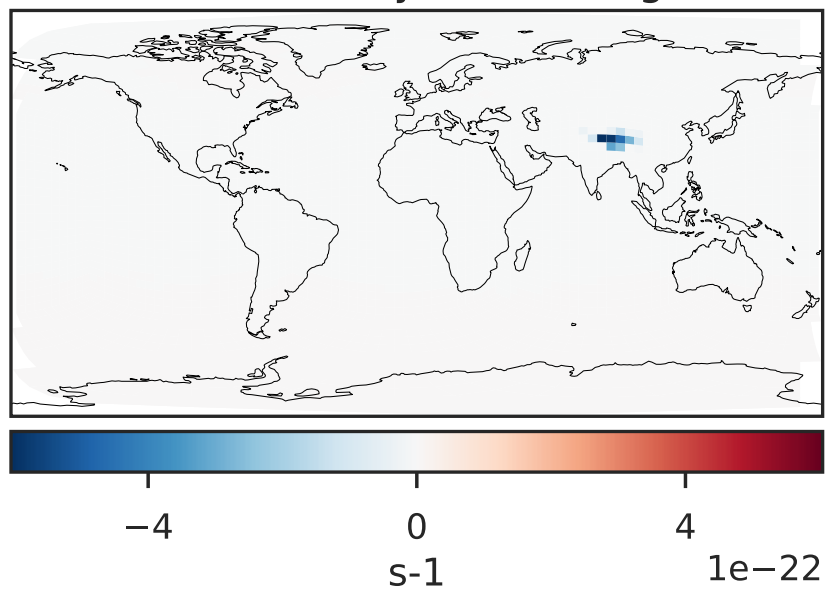
GCHP_14.0.0 (Ref)
c24



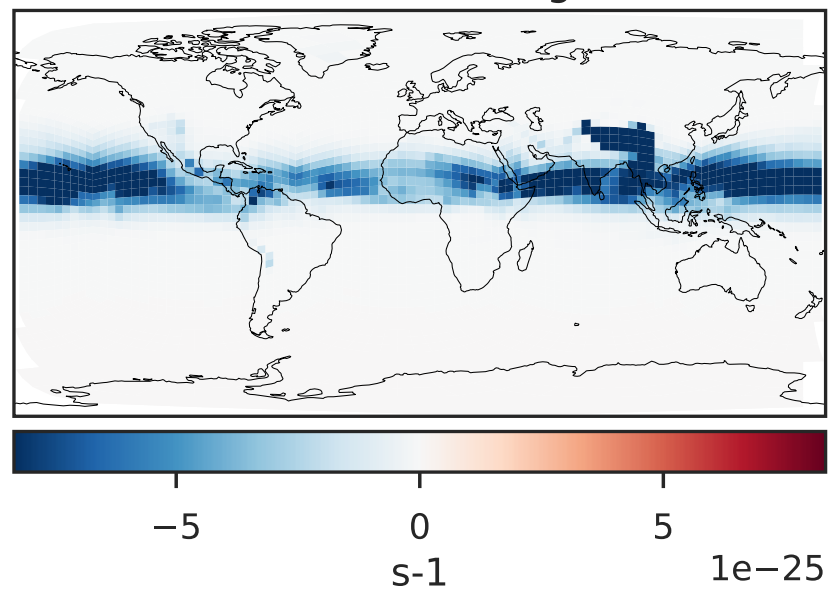
GCHP_14.2.0 (Dev)
c24



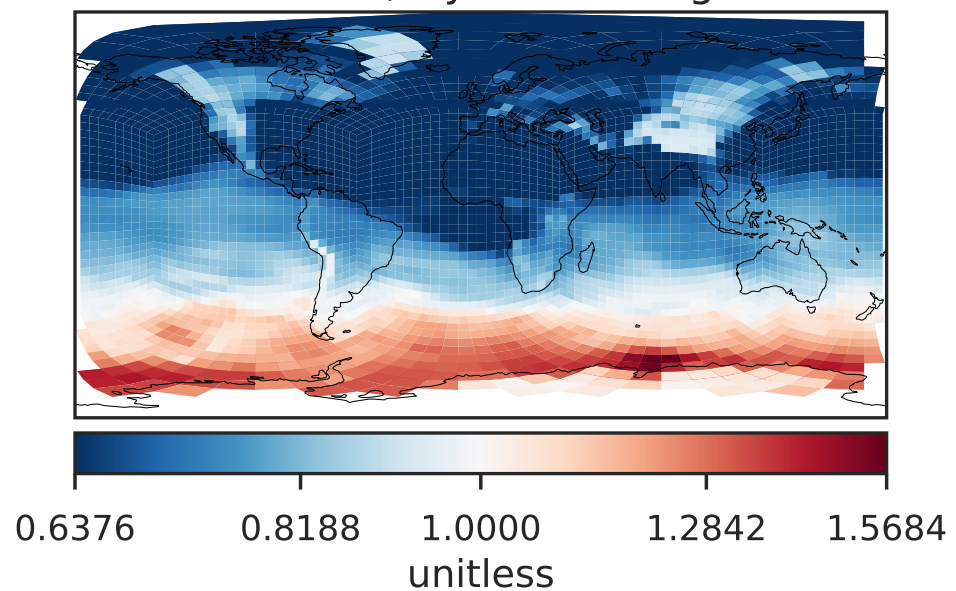
Difference
Dev - Ref, Dynamic Range



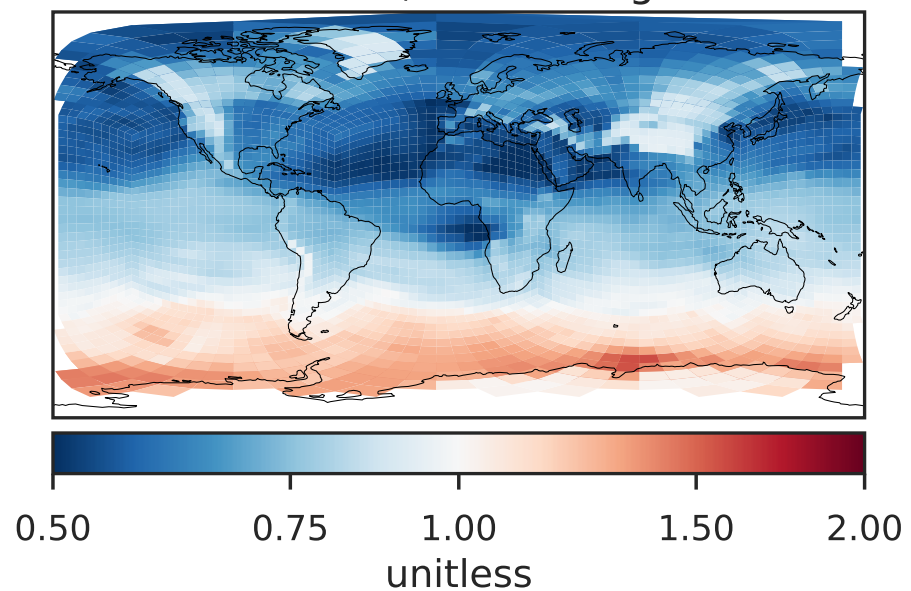
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

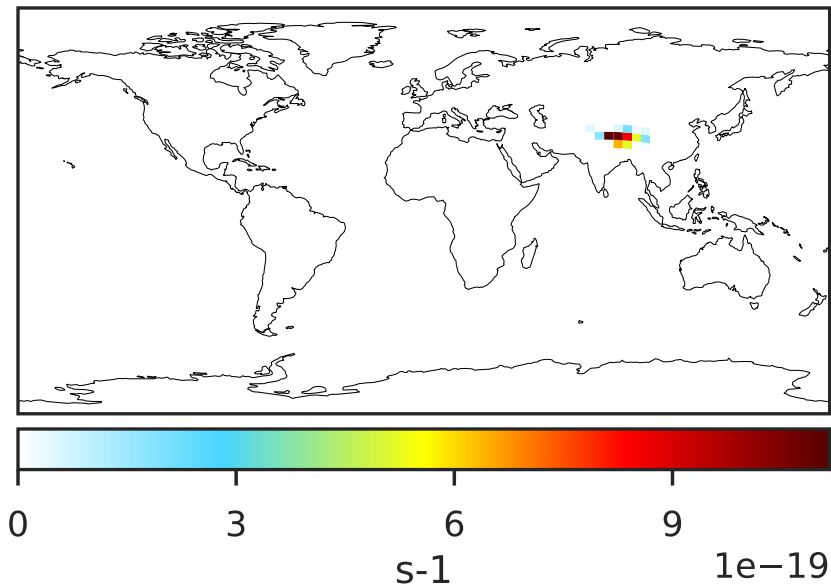


Ratio
Dev/Ref, Fixed Range

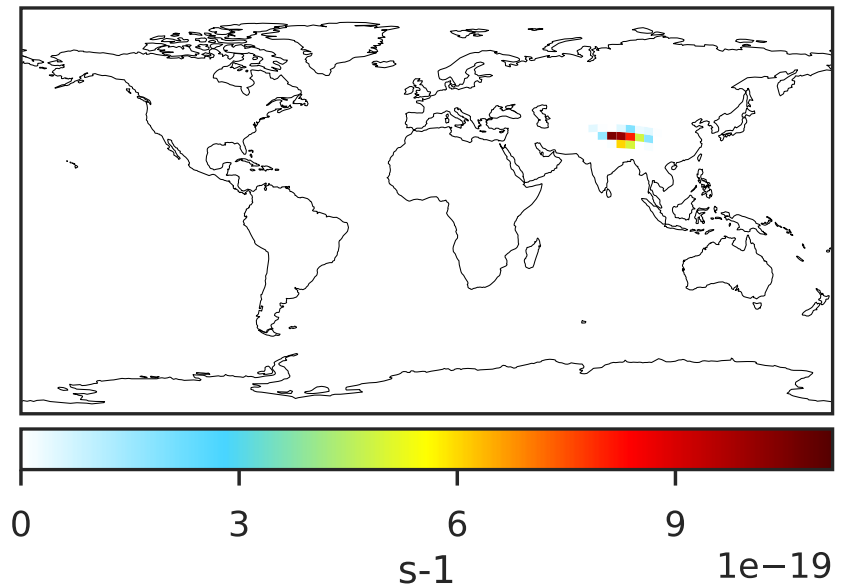


Jval_CFC12 (Jul2019)

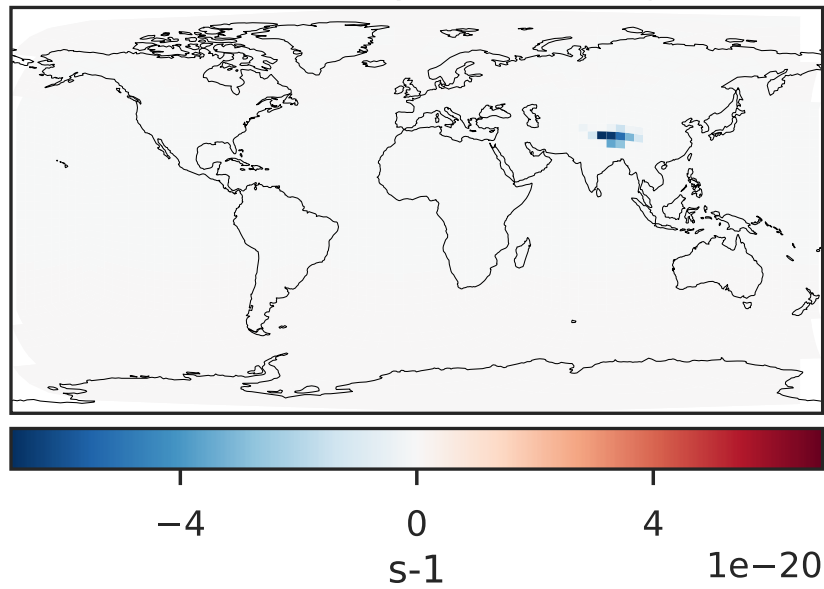
GCHP_14.0.0 (Ref)
c24



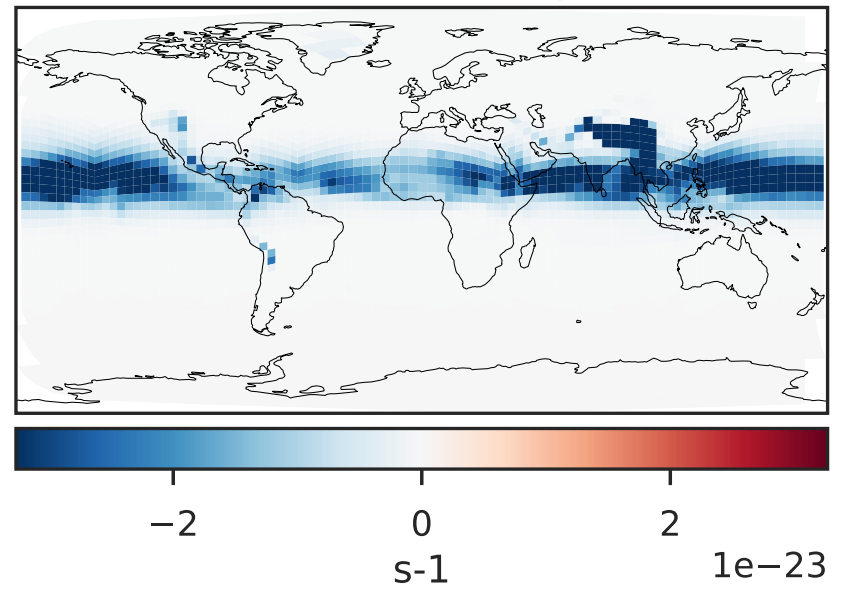
GCHP_14.2.0 (Dev)
c24



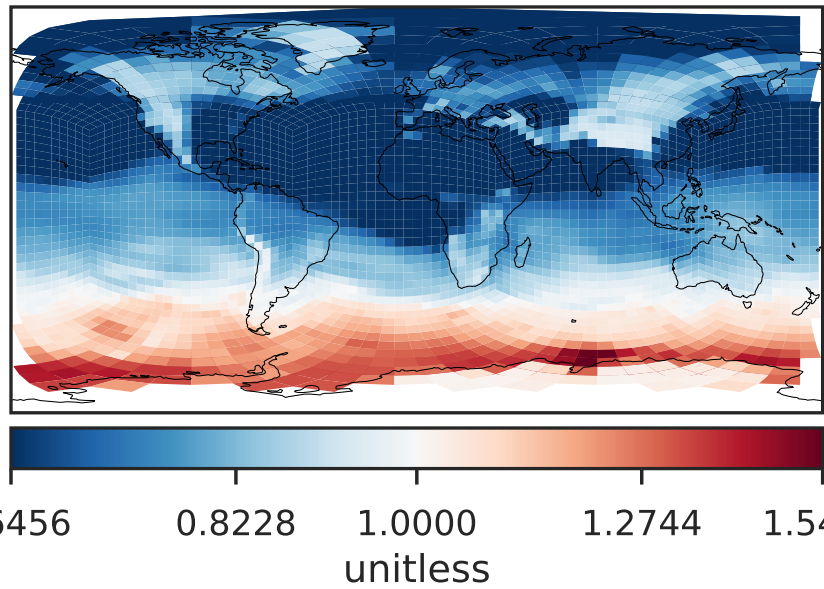
Difference
Dev - Ref, Dynamic Range



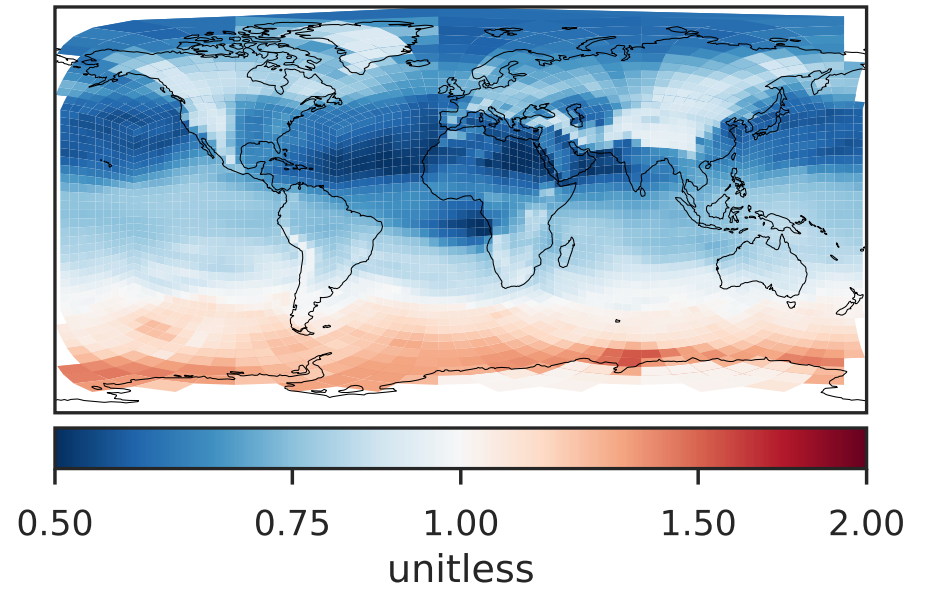
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

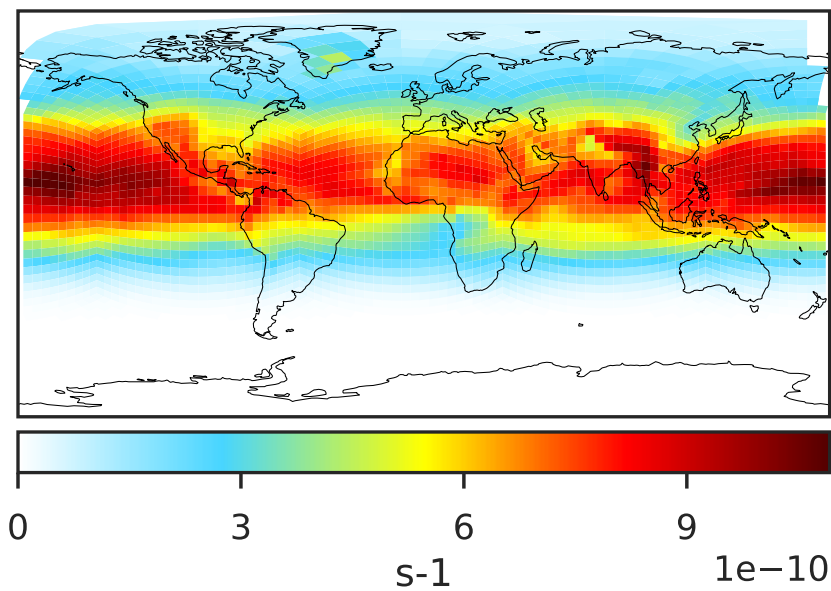


Ratio
Dev/Ref, Fixed Range

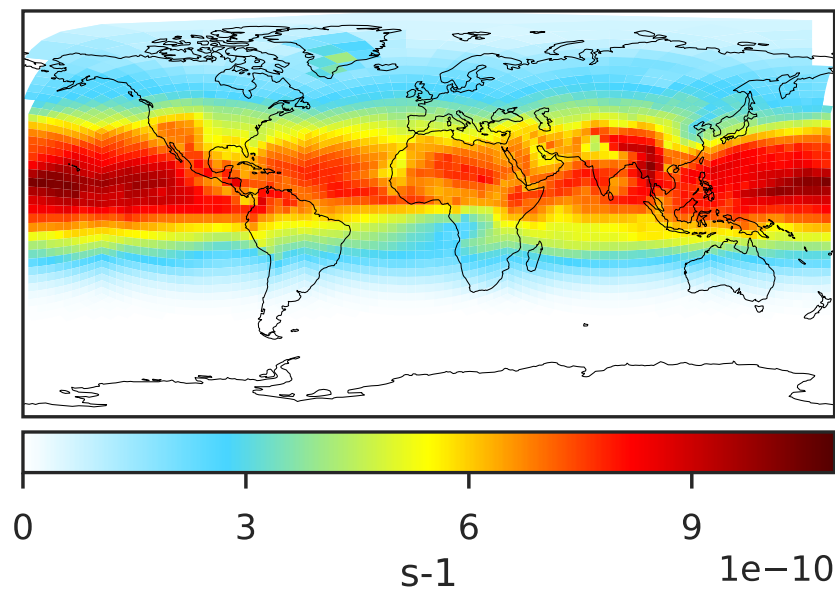


Jval_CH2Br2 (Jul2019)

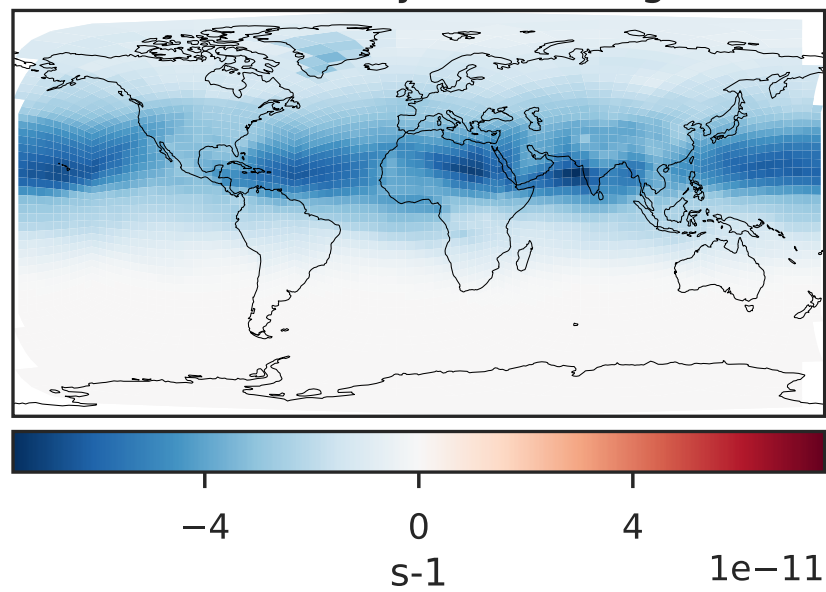
GCHP_14.0.0 (Ref)
c24



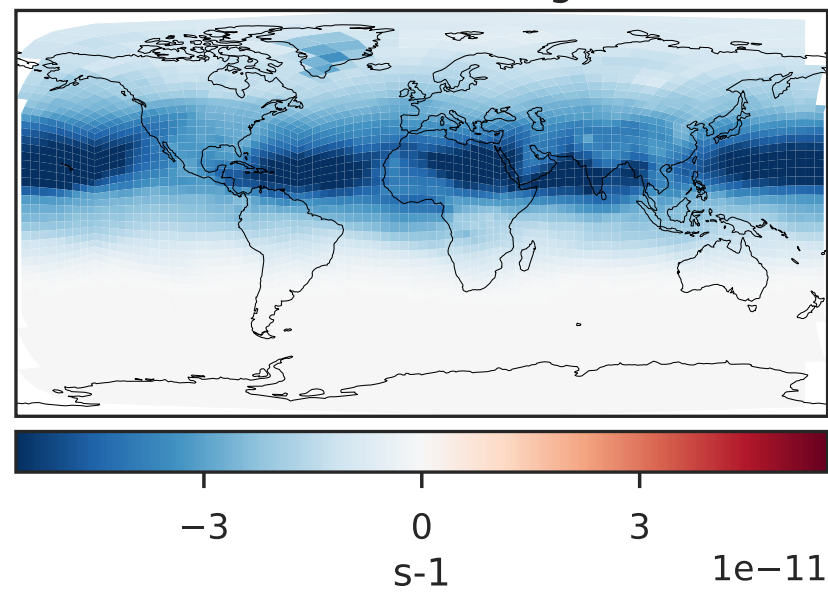
GCHP_14.2.0 (Dev)
c24



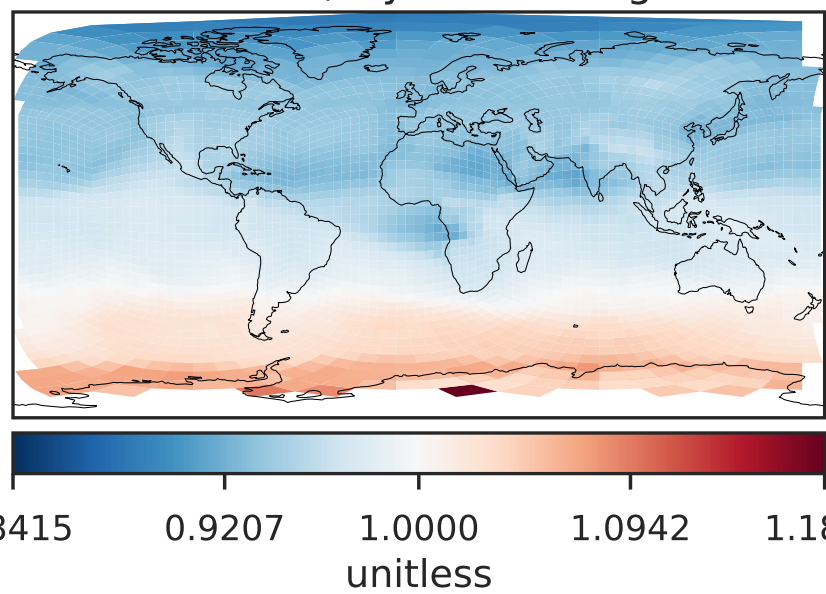
Difference
Dev - Ref, Dynamic Range



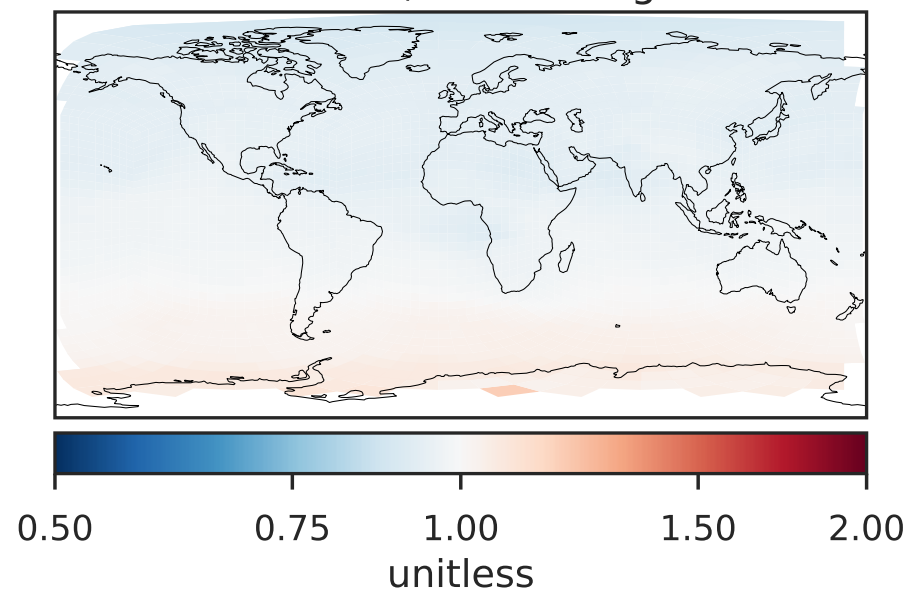
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

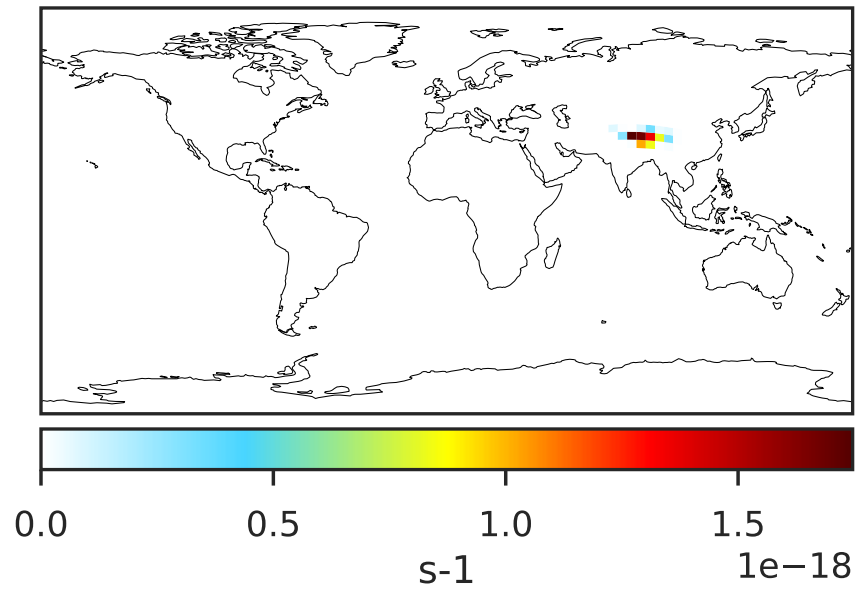


Ratio
Dev/Ref, Fixed Range

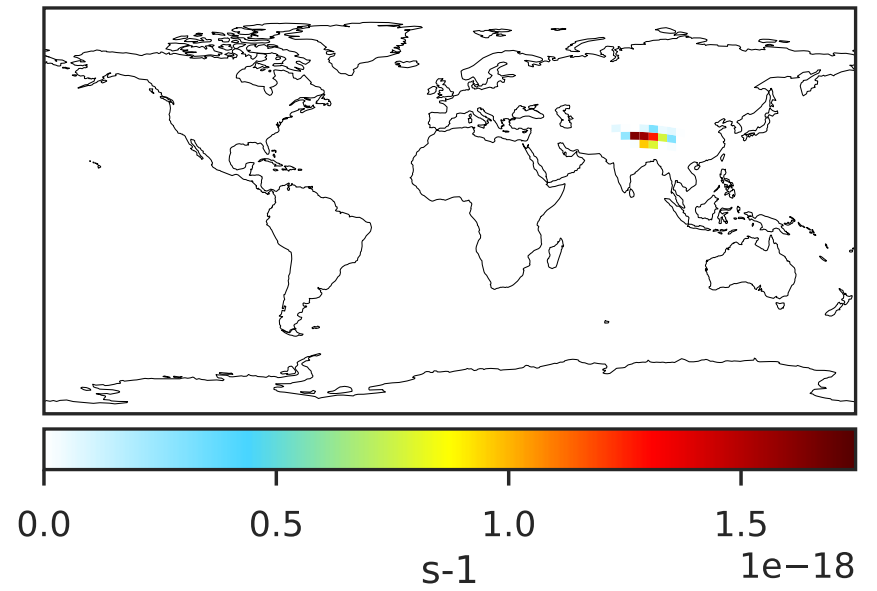


Jval_CH2Cl2 (Jul2019)

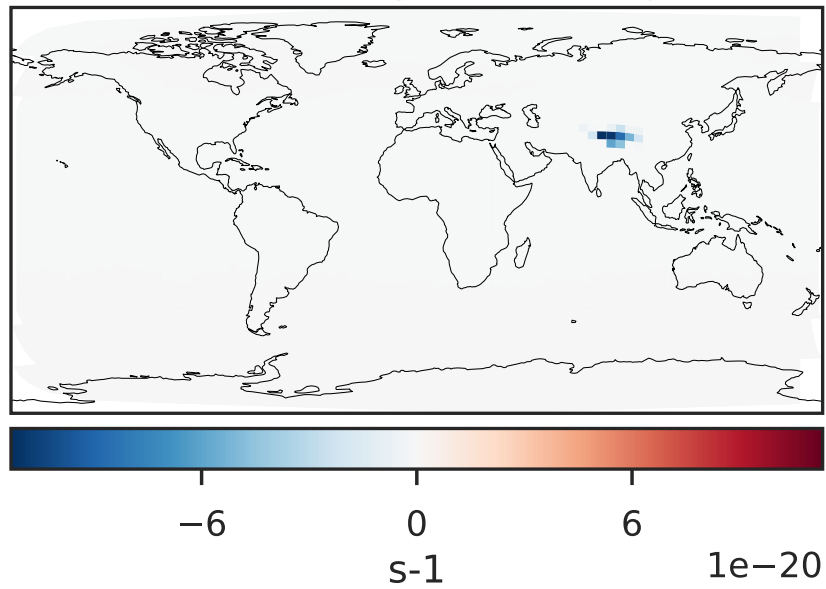
GCHP_14.0.0 (Ref)
c24



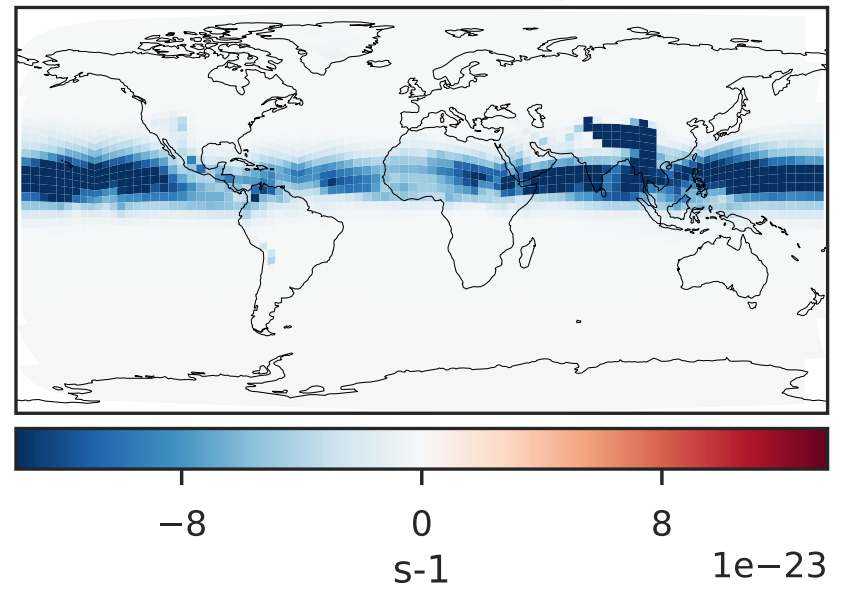
GCHP_14.2.0 (Dev)
c24



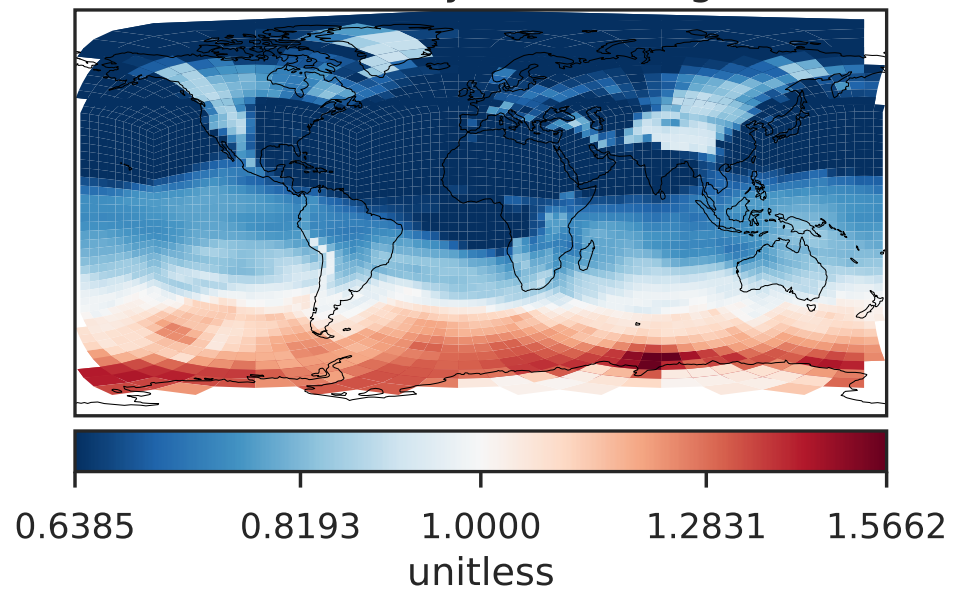
Difference
Dev - Ref, Dynamic Range



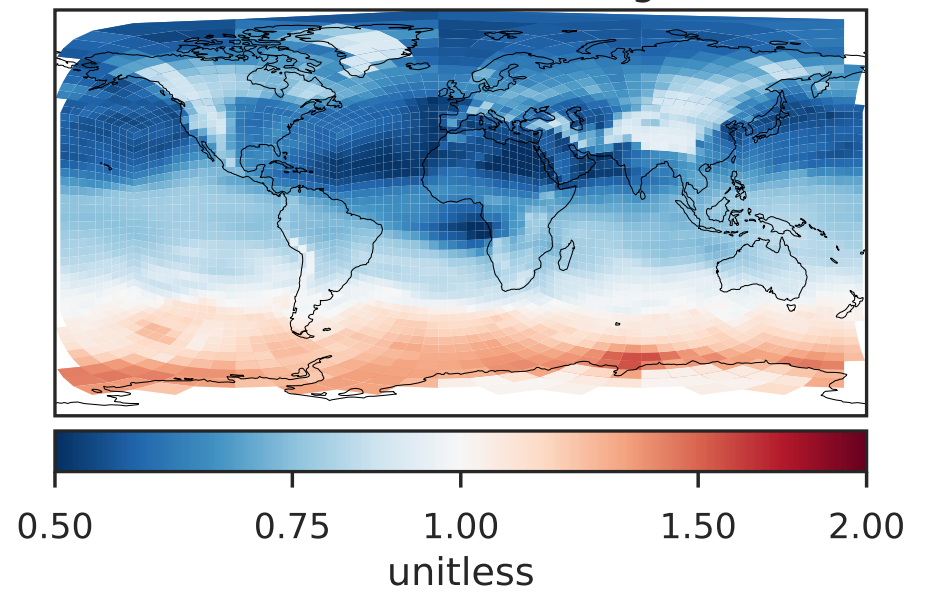
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

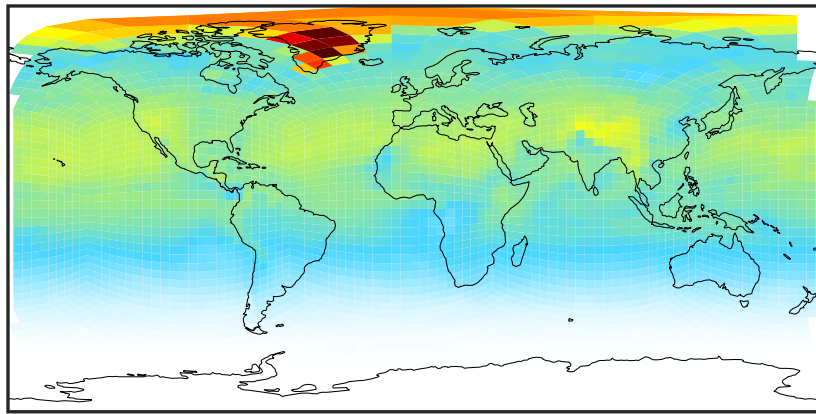


Ratio
Dev/Ref, Fixed Range



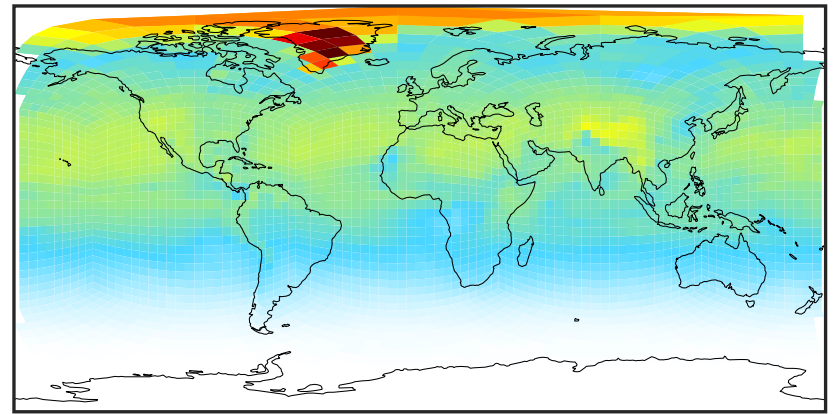
Jval_CH2I2 (Jul2019)

GCHP_14.0.0 (Ref)
c24



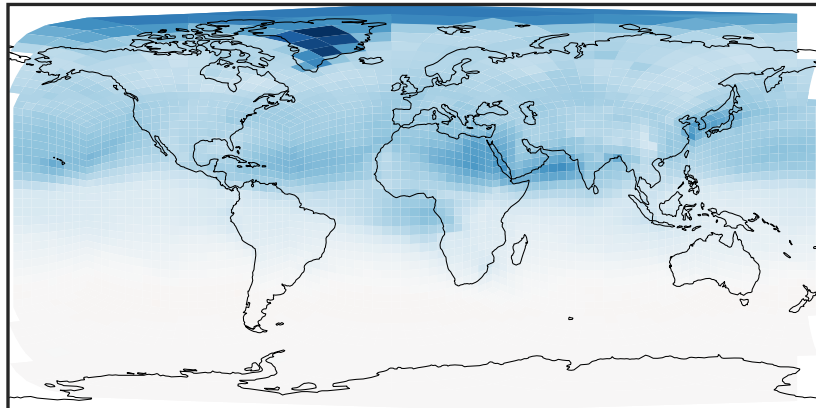
0.000 0.002 0.004 0.006
s-1

GCHP_14.2.0 (Dev)
c24



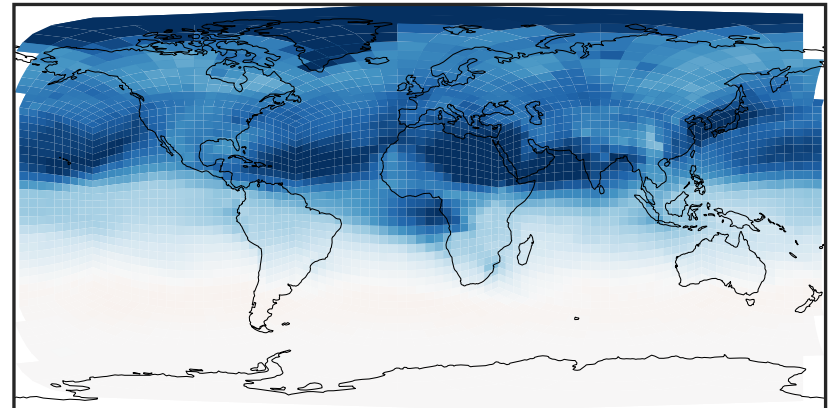
0.000 0.002 0.004 0.006
s-1

Difference
Dev - Ref, Dynamic Range



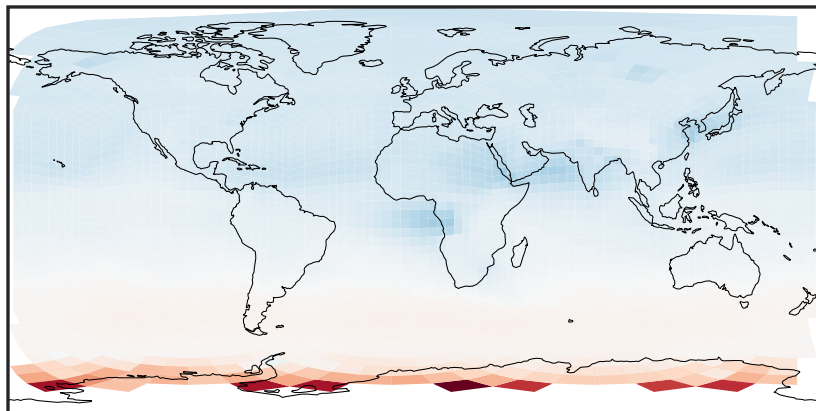
-2.5 0.0 2.5
s-1 1e-5

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



-1.5 0.0 1.5
s-1 1e-5

Ratio
Dev/Ref, Dynamic Range



0.96585 0.98292 1.00000 1.01768 1.03536
unitless

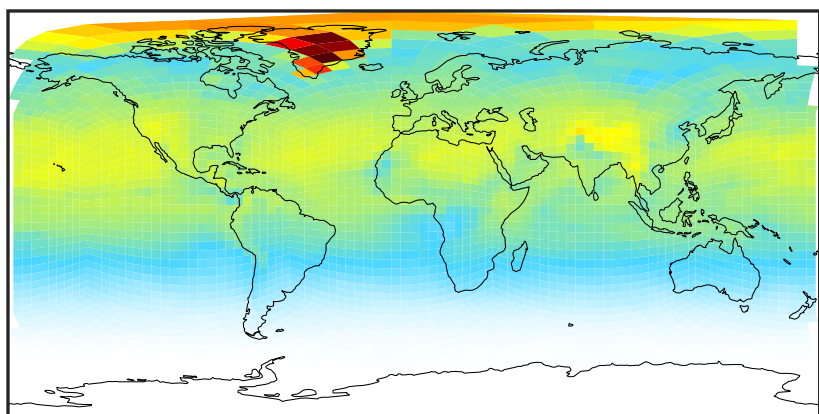
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

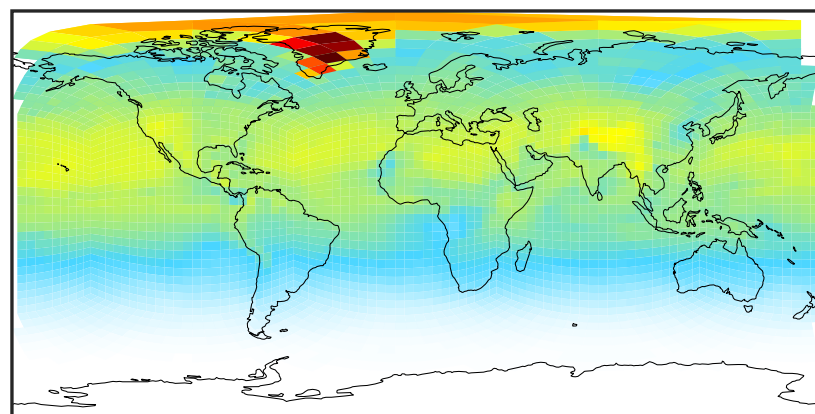
Jval_CH2IBr (Jul2019)

GCHP_14.0.0 (Ref)
c24



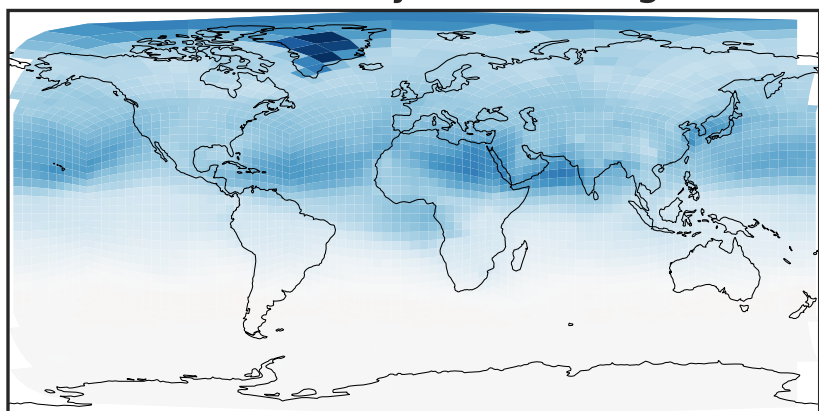
0.00000 0.00015 0.00030
s-1

GCHP_14.2.0 (Dev)
c24



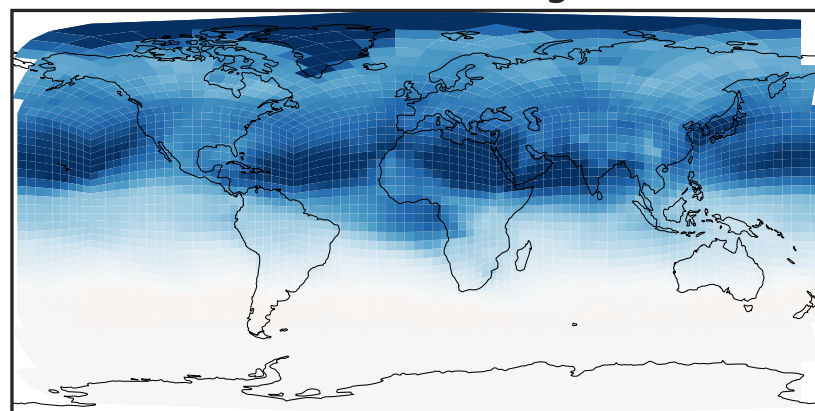
0.00000 0.00015 0.00030
s-1

Difference
Dev - Ref, Dynamic Range



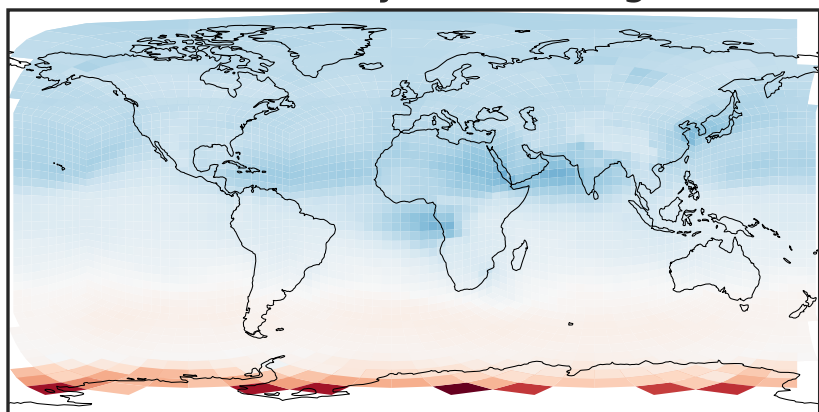
-2 0 2
s-1 1e-6

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



-1 0 1
s-1 1e-6

Ratio
Dev/Ref, Dynamic Range



0.96689 0.98345 1.00000 1.01712 1.03424
unitless

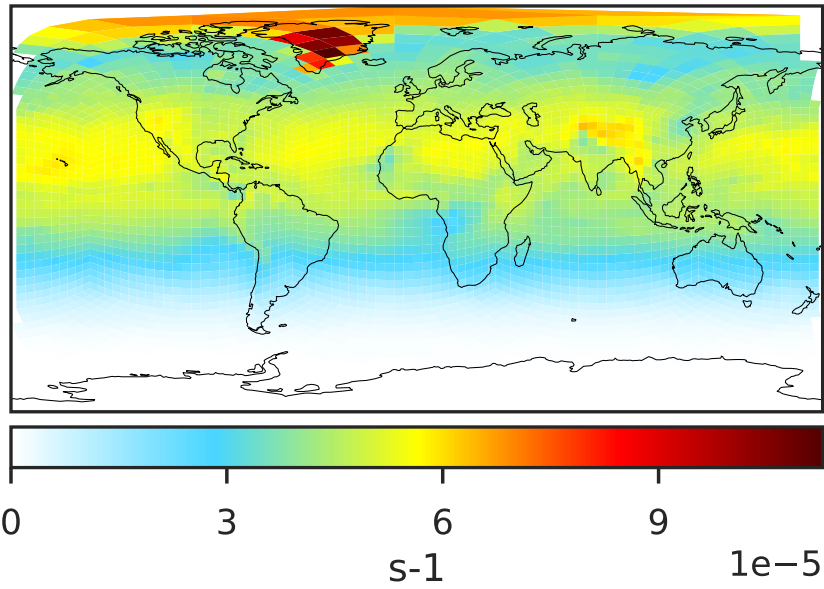
Ratio
Dev/Ref, Fixed Range



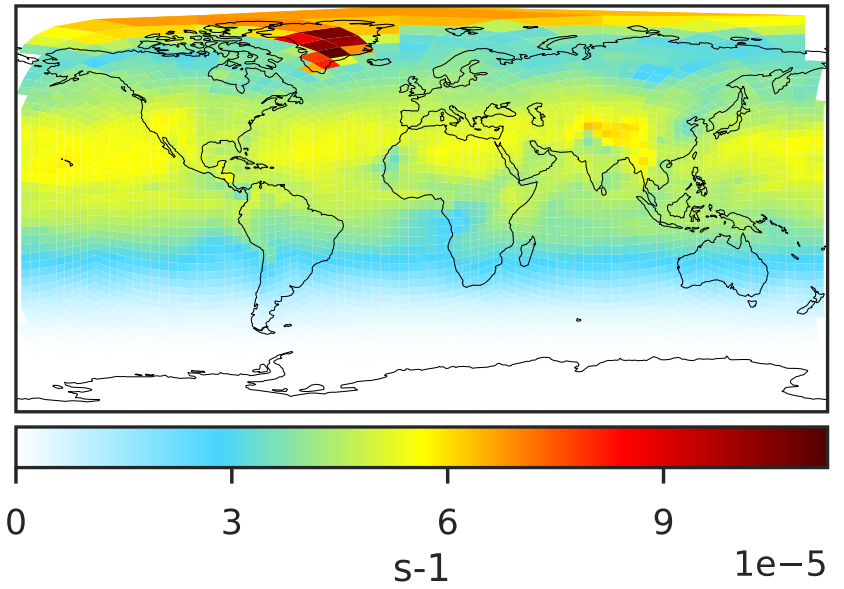
0.50 0.75 1.00 1.50 2.00
unitless

Jval_CH2ICI (Jul2019)

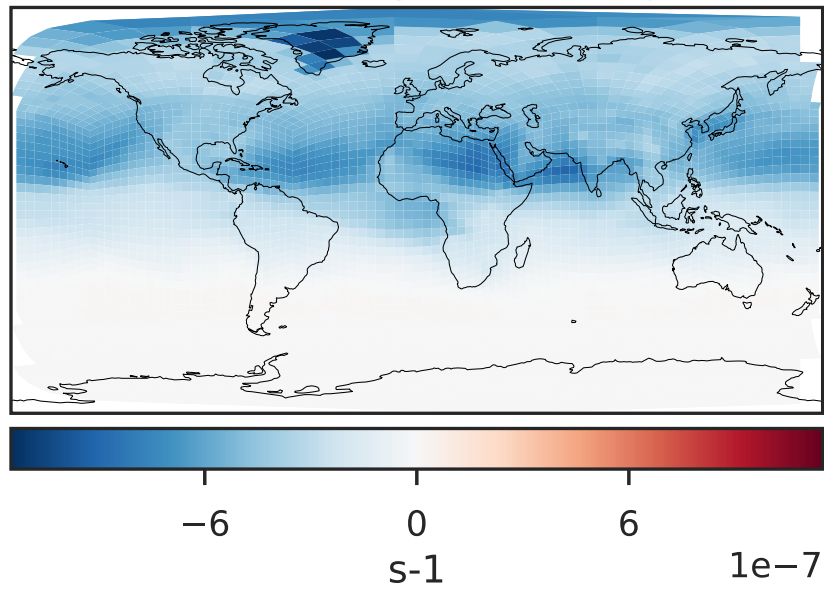
GCHP_14.0.0 (Ref)
c24



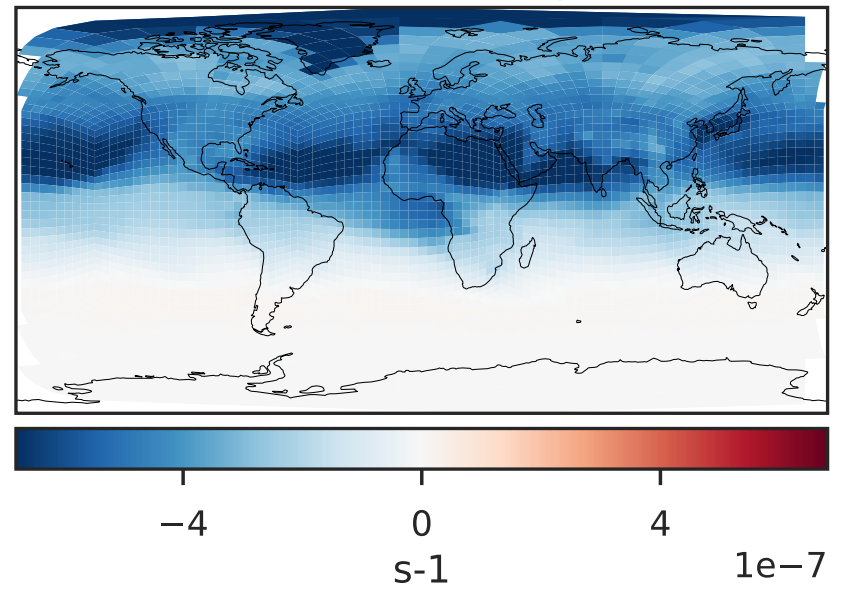
GCHP_14.2.0 (Dev)
c24



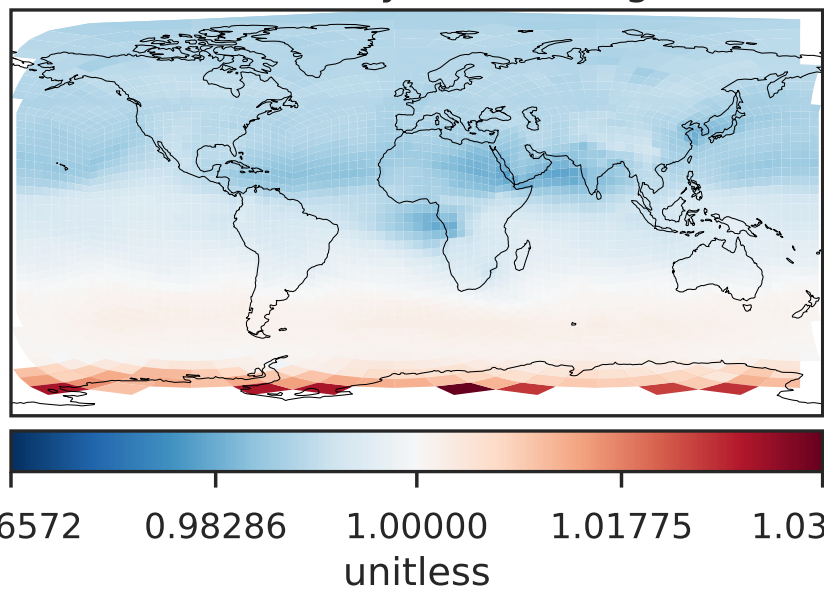
Difference
Dev - Ref, Dynamic Range



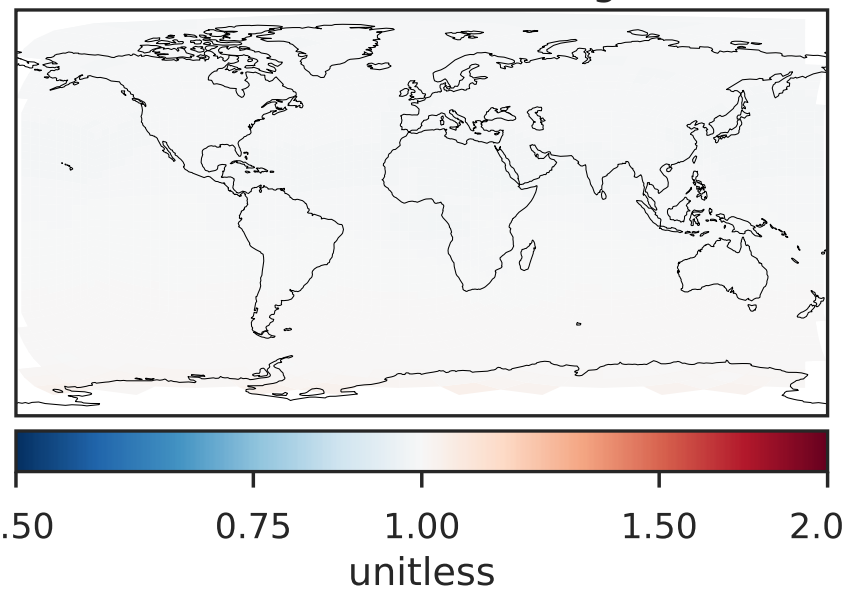
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

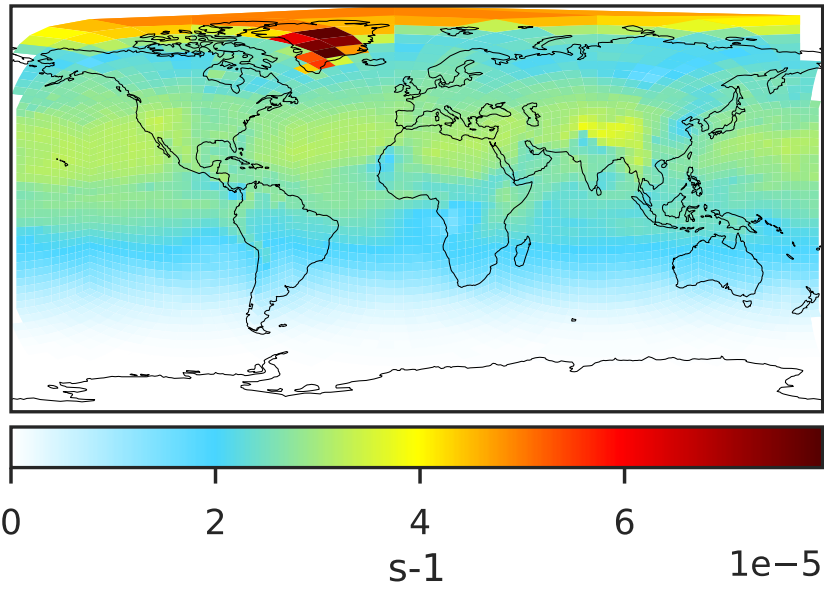


Ratio
Dev/Ref, Fixed Range

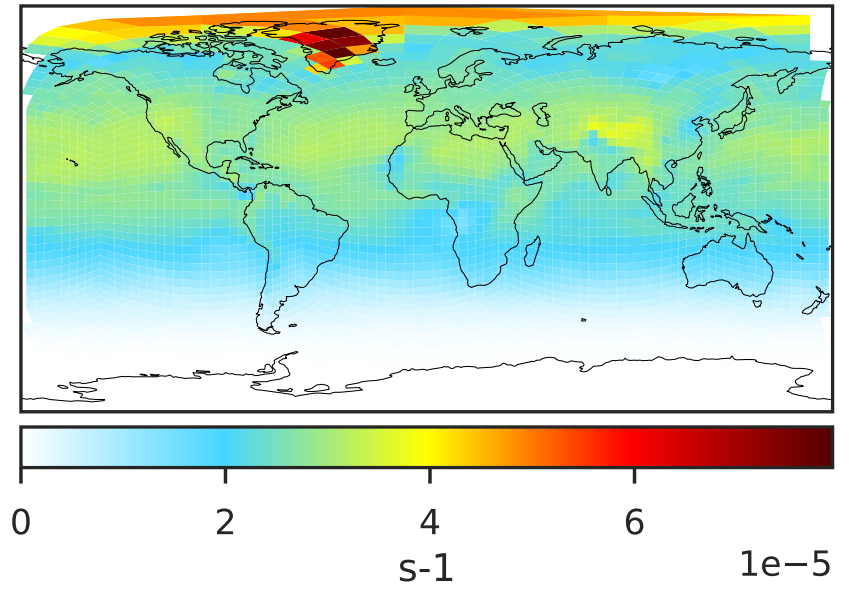


Jval_CH20 (Jul2019)

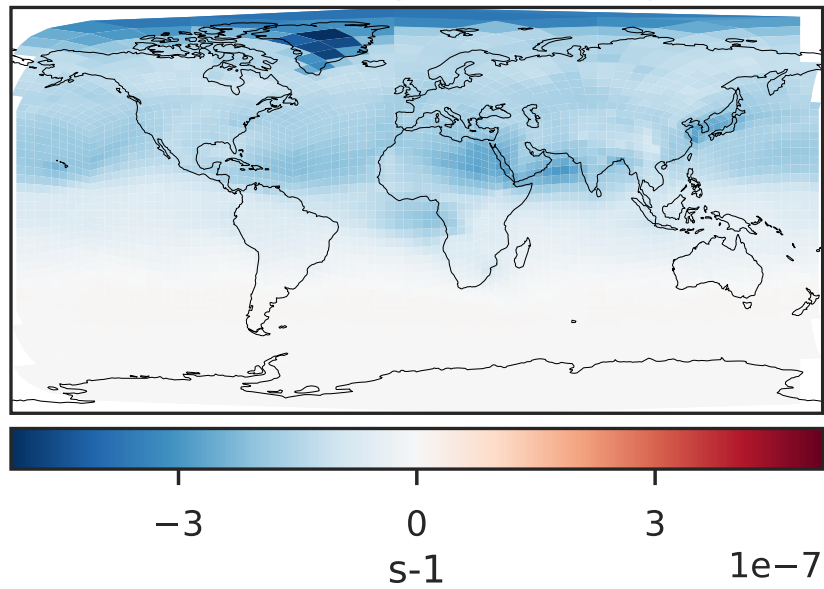
GCHP_14.0.0 (Ref)
c24



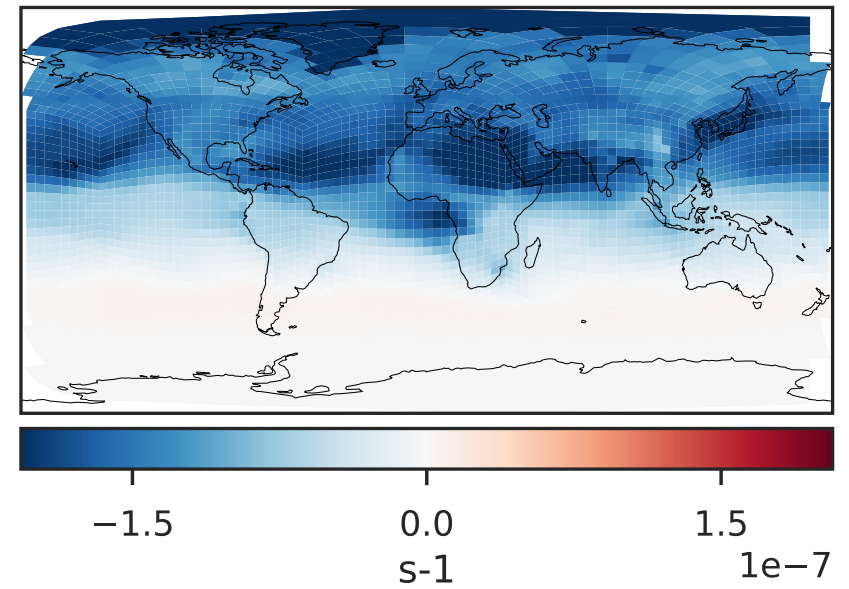
GCHP_14.2.0 (Dev)
c24



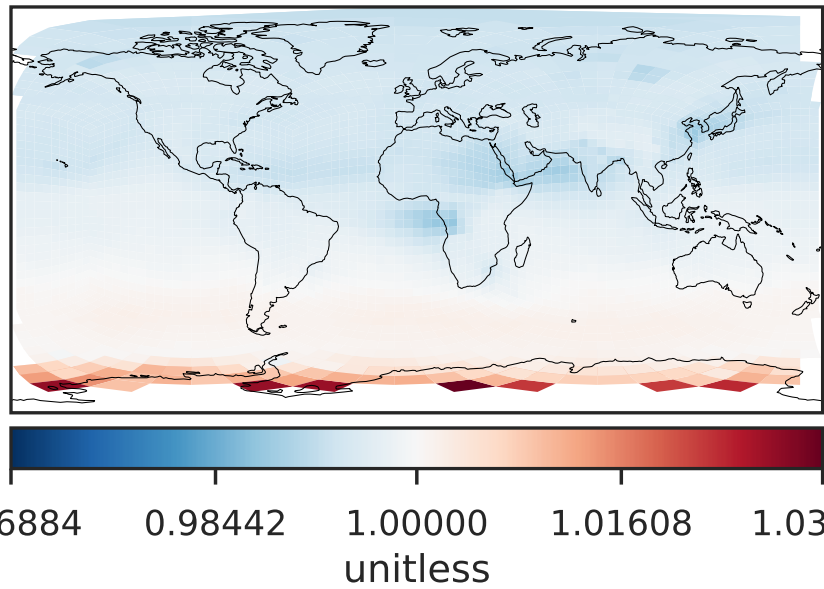
Difference
Dev - Ref, Dynamic Range



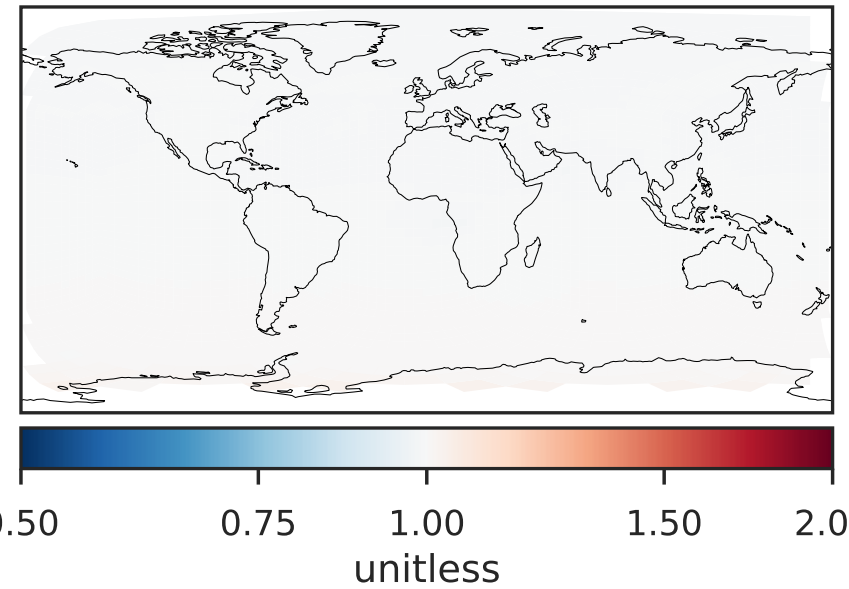
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

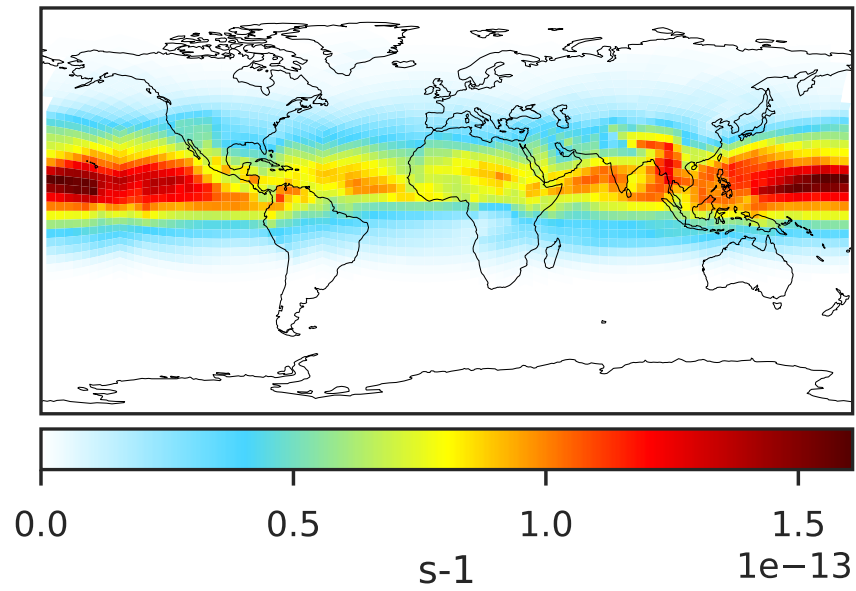


Ratio
Dev/Ref, Fixed Range

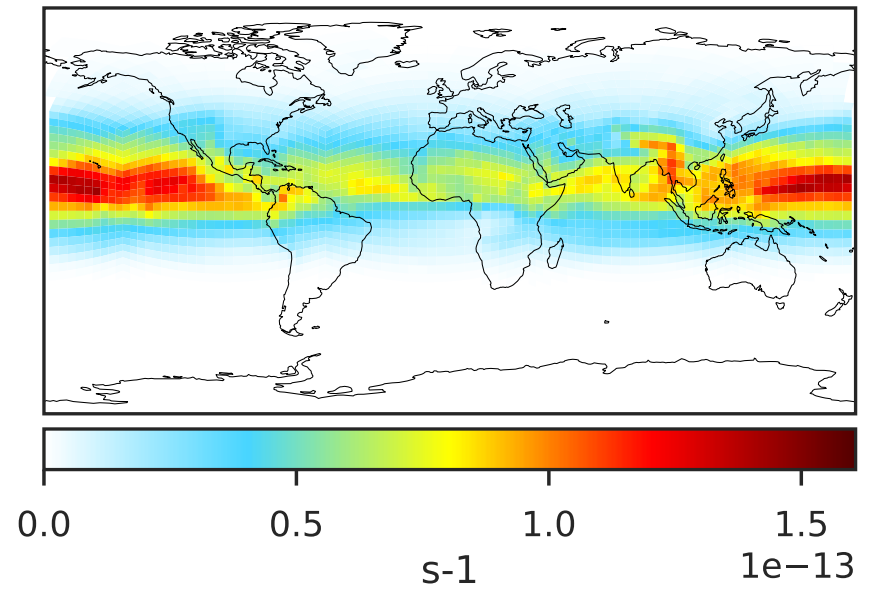


Jval_CH3Br (Jul2019)

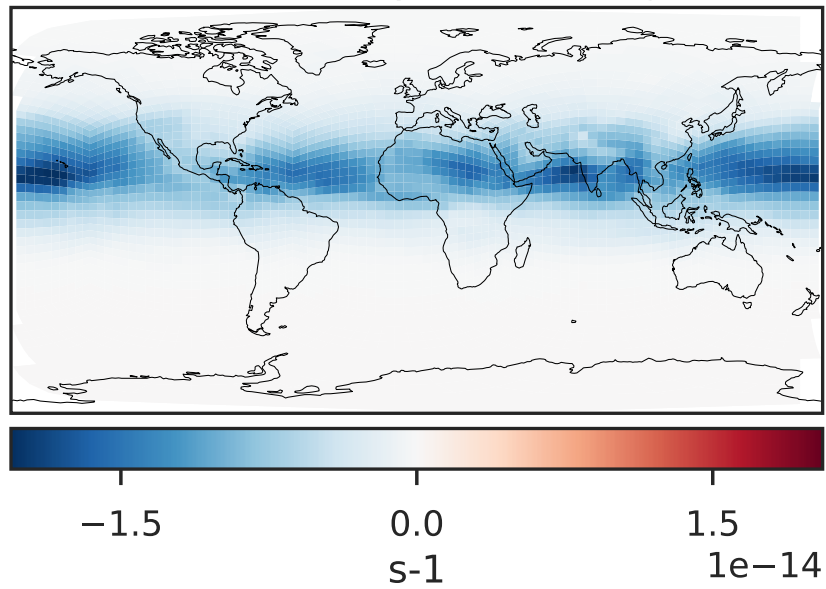
GCHP_14.0.0 (Ref)
c24



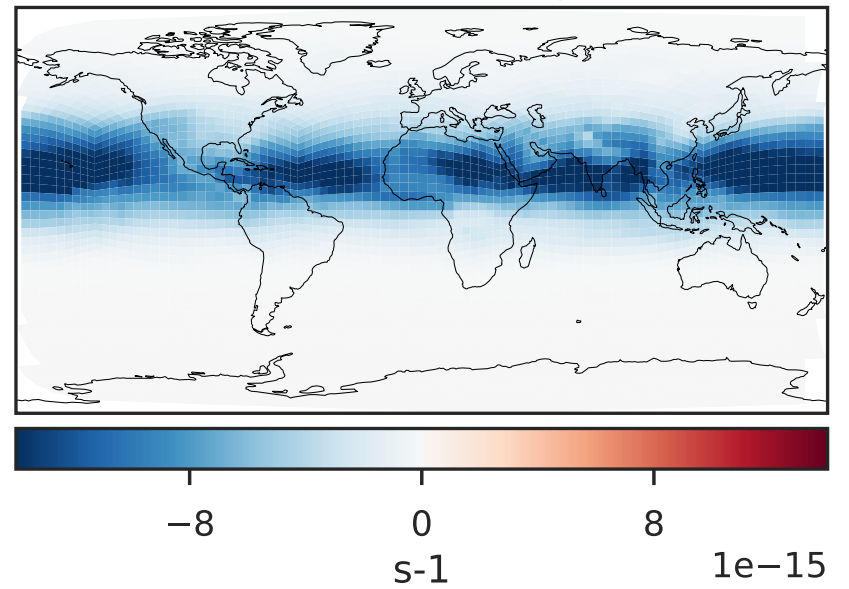
GCHP_14.2.0 (Dev)
c24



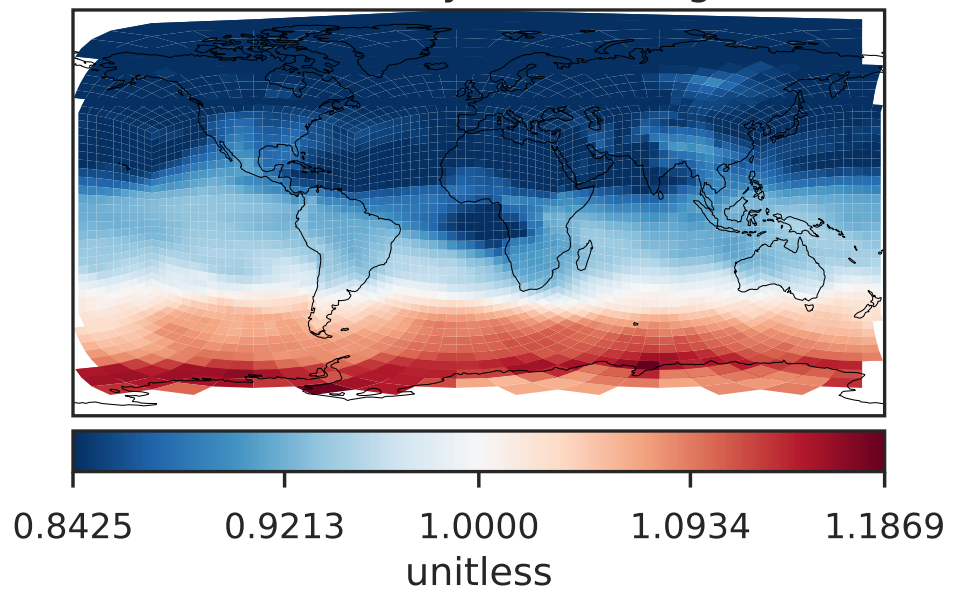
Difference
Dev - Ref, Dynamic Range



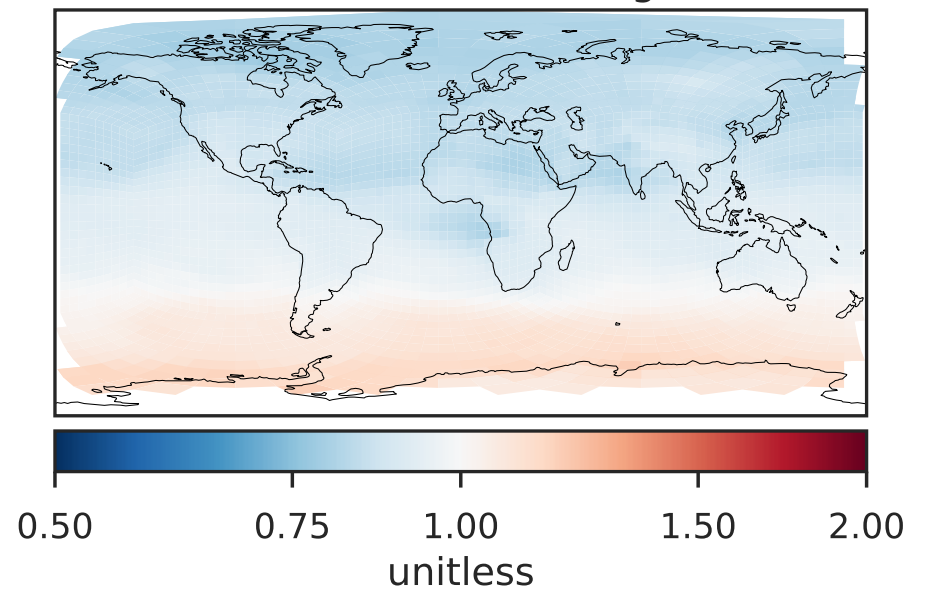
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

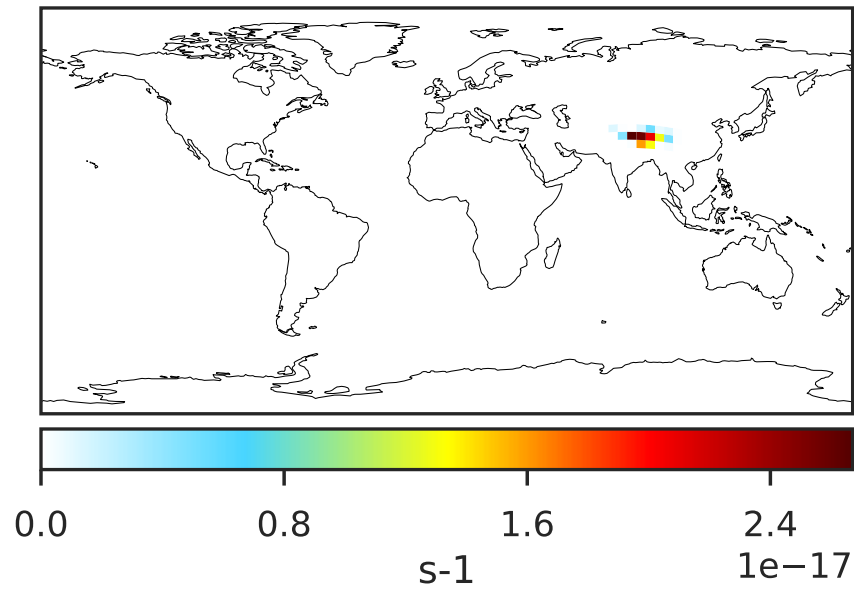


Ratio
Dev/Ref, Fixed Range

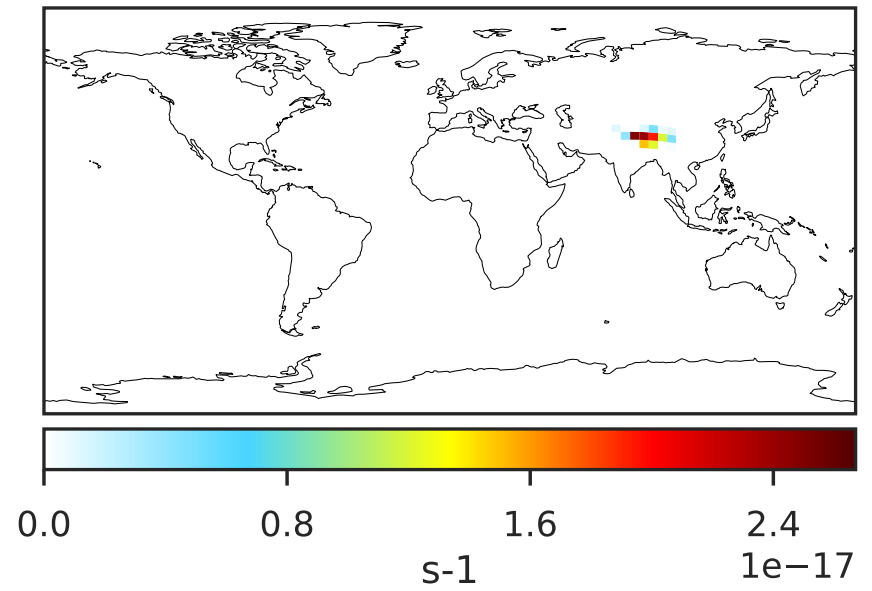


Jval_CH3CCI3 (Jul2019)

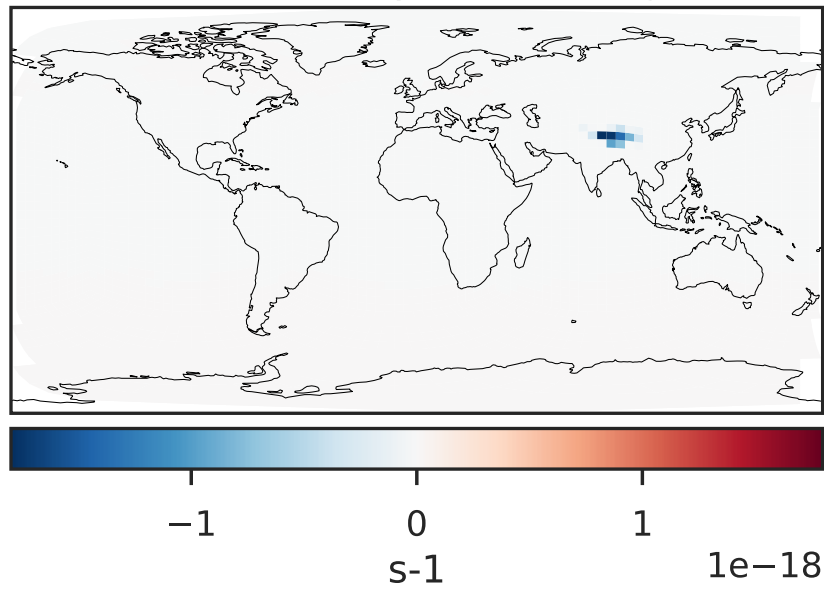
GCHP_14.0.0 (Ref)
c24



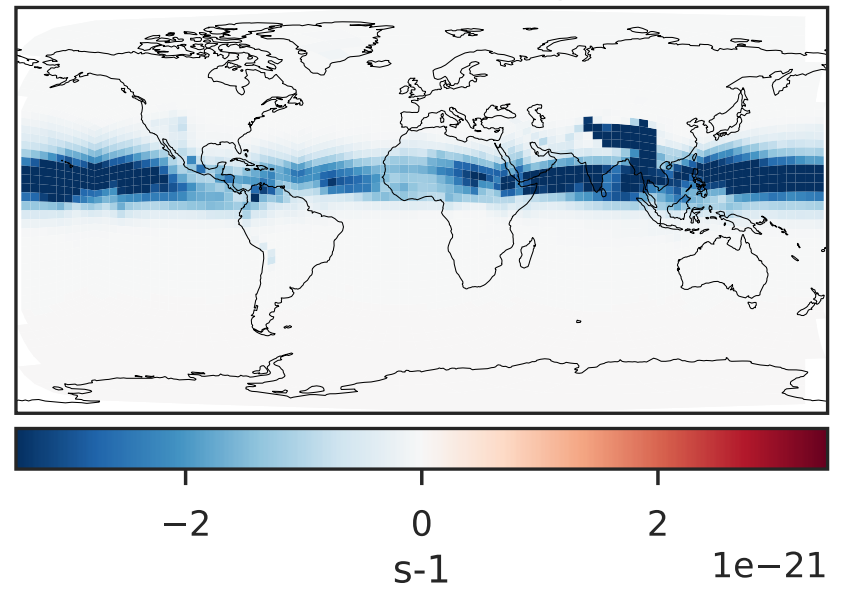
GCHP_14.2.0 (Dev)
c24



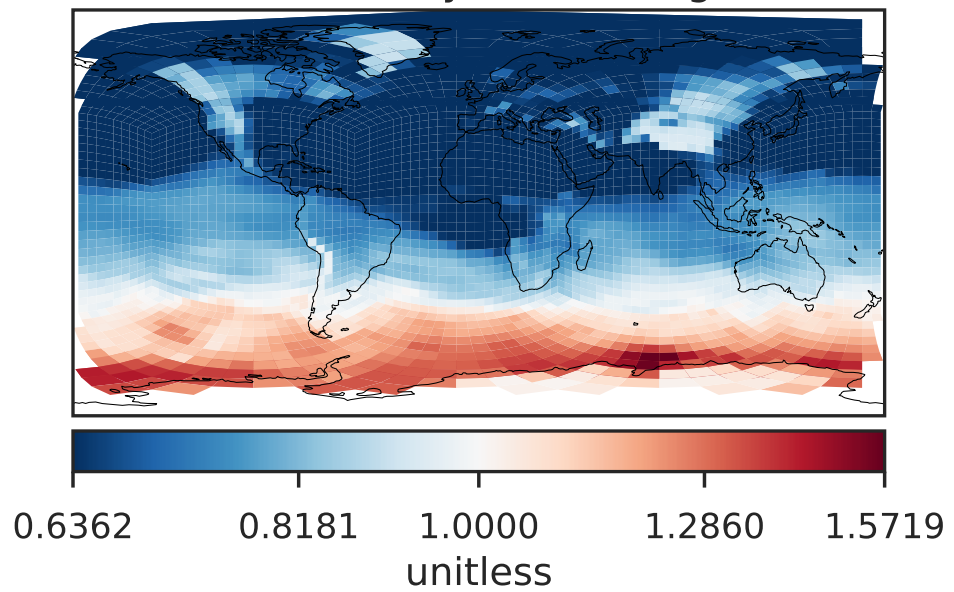
Difference
Dev - Ref, Dynamic Range



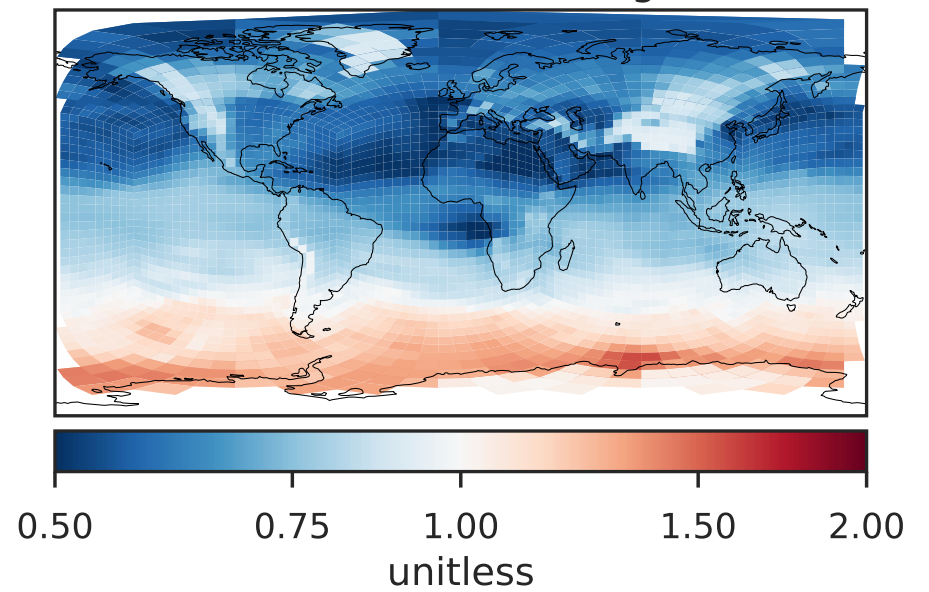
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

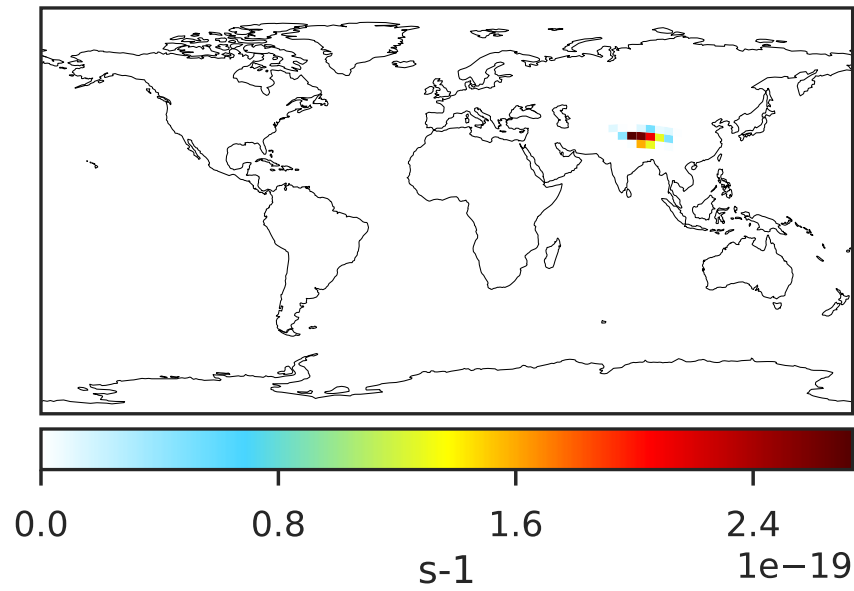


Ratio
Dev/Ref, Fixed Range

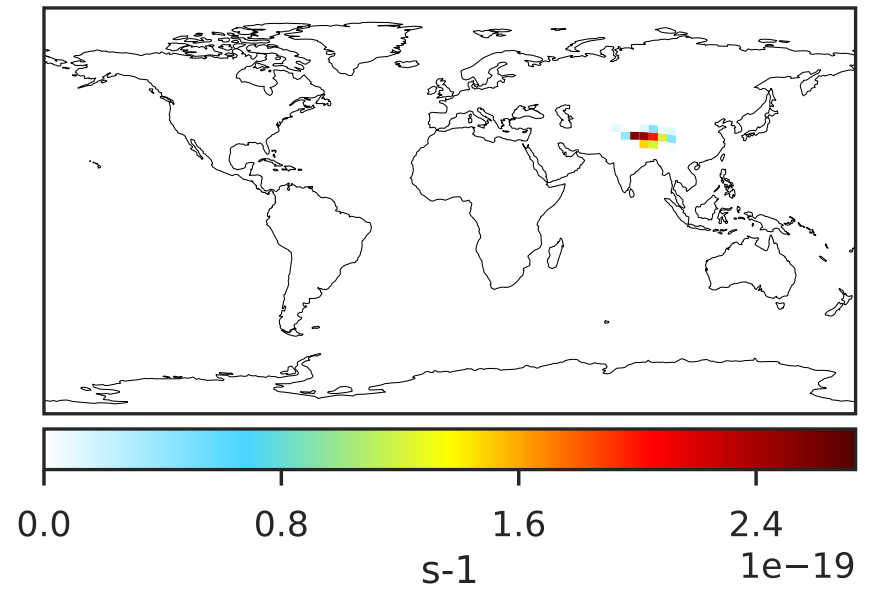


Jval_CH3Cl (Jul2019)

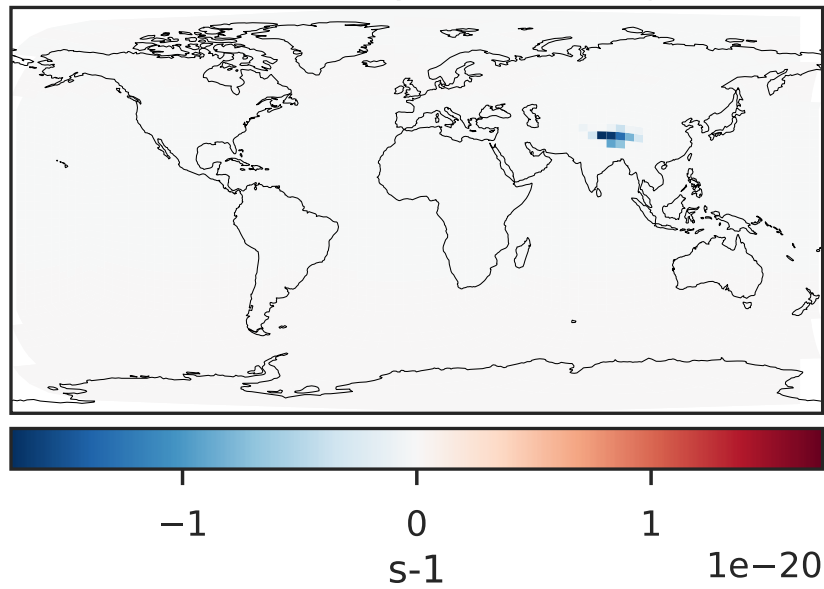
GCHP_14.0.0 (Ref)
c24



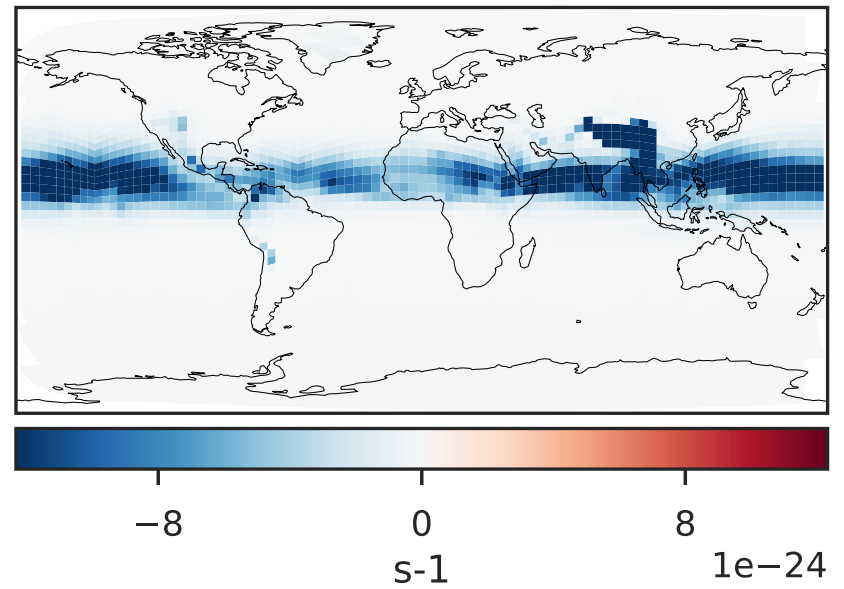
GCHP_14.2.0 (Dev)
c24



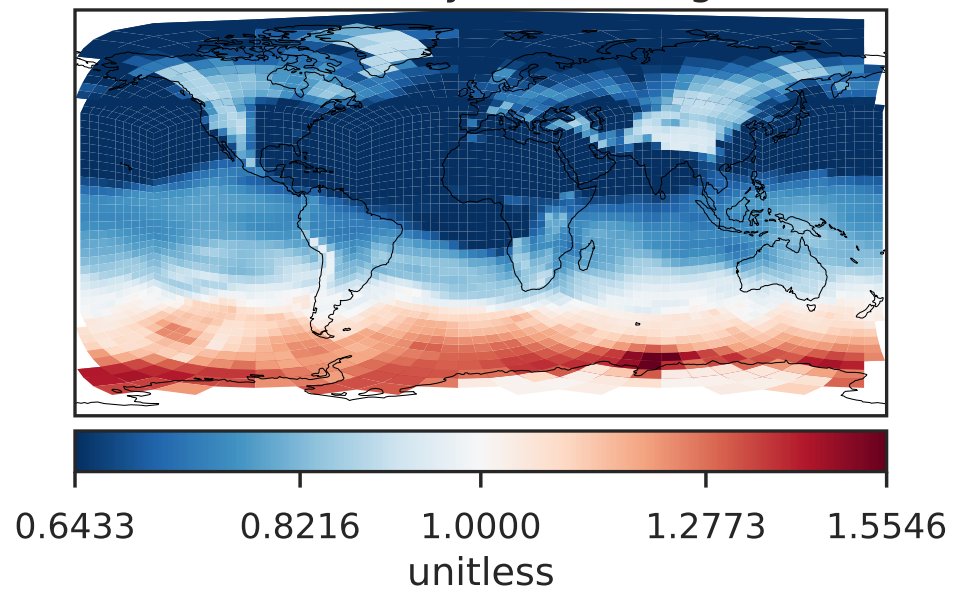
Difference
Dev - Ref, Dynamic Range



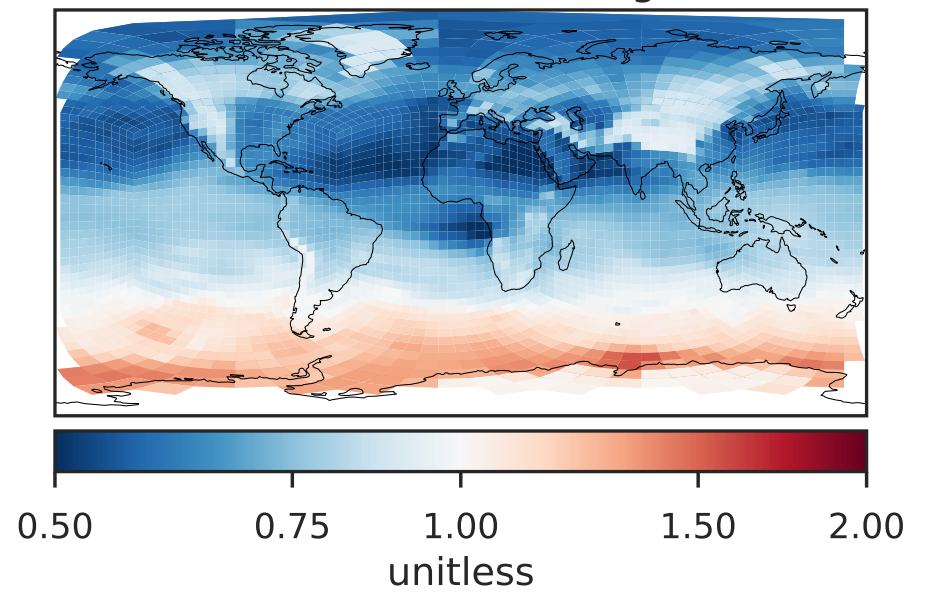
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

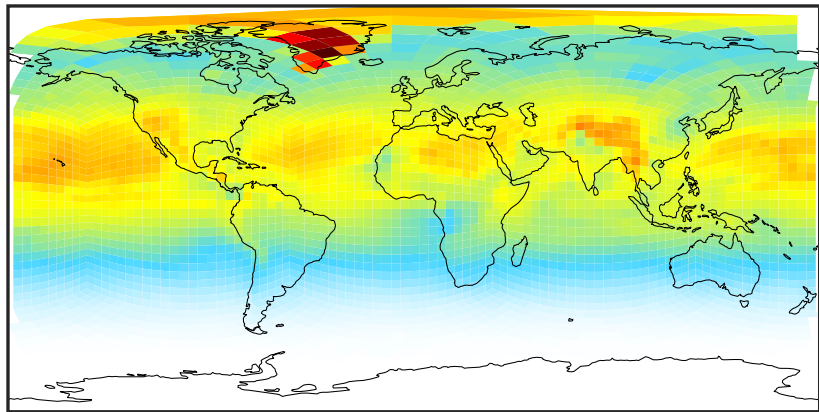


Ratio
Dev/Ref, Fixed Range



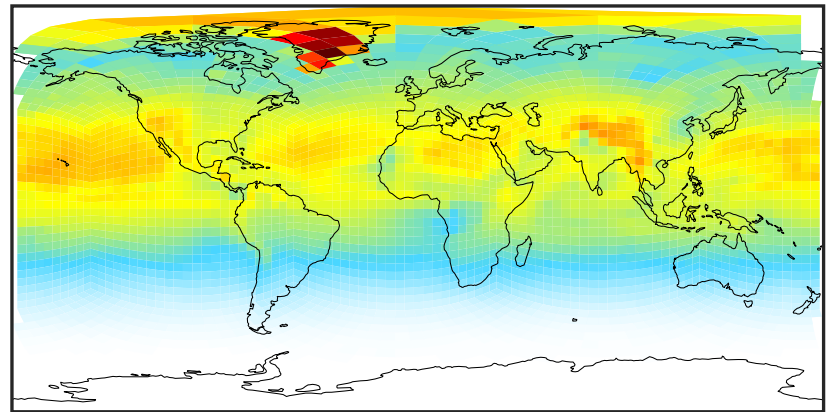
Jval_CH3I (Jul2019)

GCHP_14.0.0 (Ref)
c24



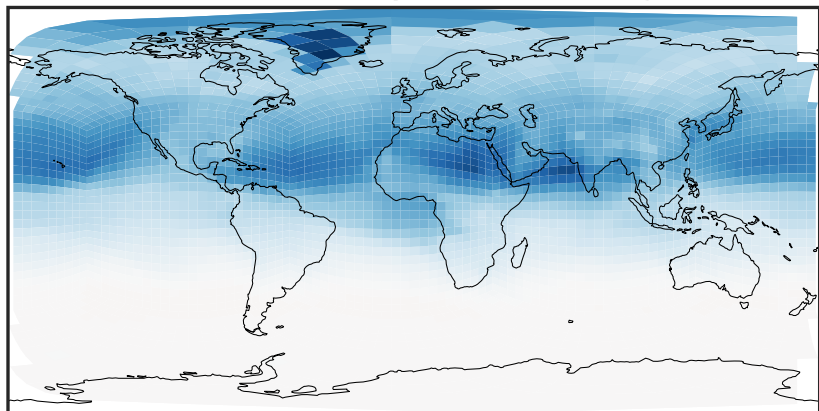
0.0 1.5 3.0
s-1 1e-6

GCHP_14.2.0 (Dev)
c24



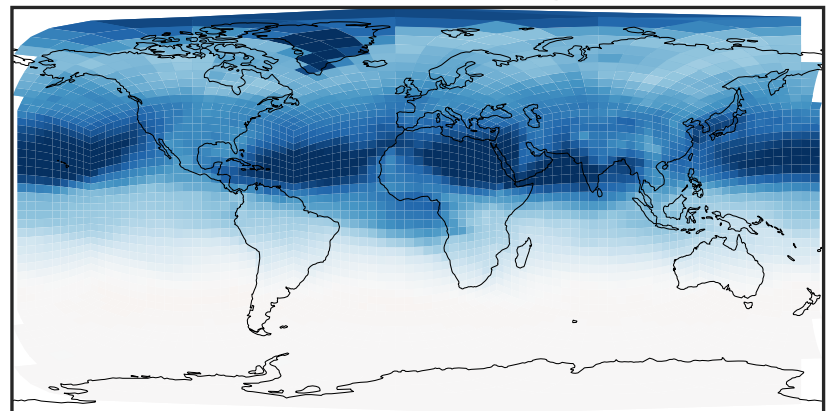
0.0 1.5 3.0
s-1 1e-6

Difference
Dev - Ref, Dynamic Range



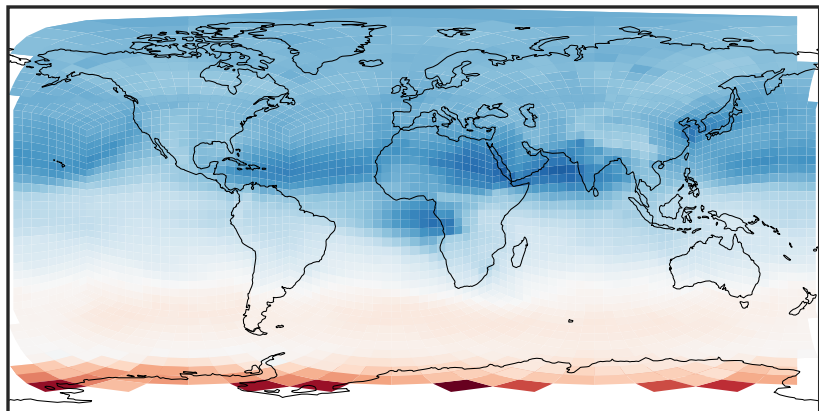
-4 0 4
s-1 1e-8

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



-2.5 0.0 2.5
s-1 1e-8

Ratio
Dev/Ref, Dynamic Range



0.96950 0.98475 1.00000 1.01573 1.03146
unitless

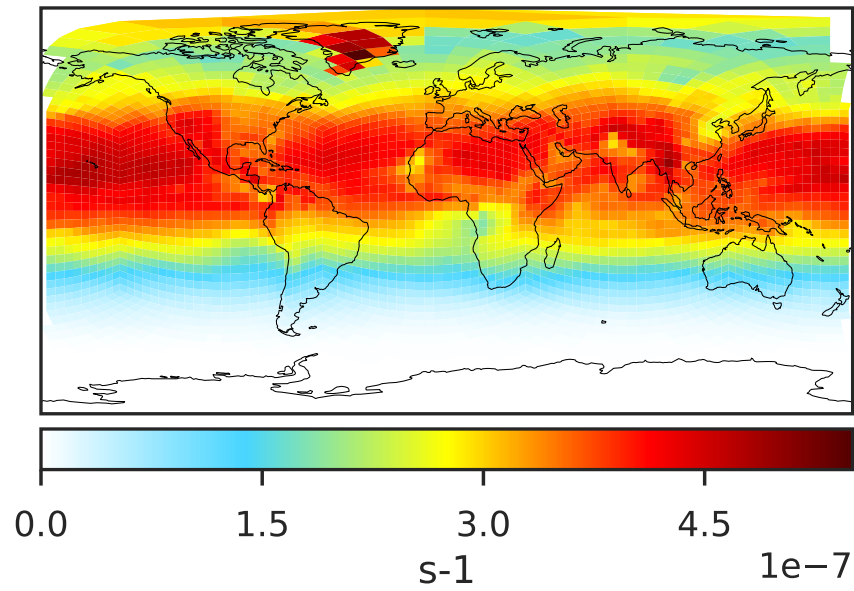
Ratio
Dev/Ref, Fixed Range



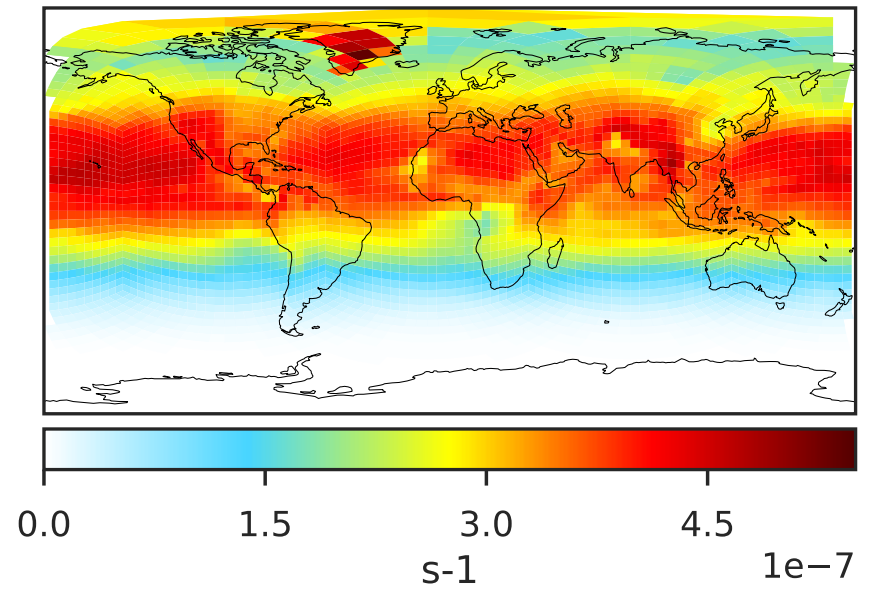
0.50 0.75 1.00 1.50 2.00
unitless

Jval_CHBr3 (Jul2019)

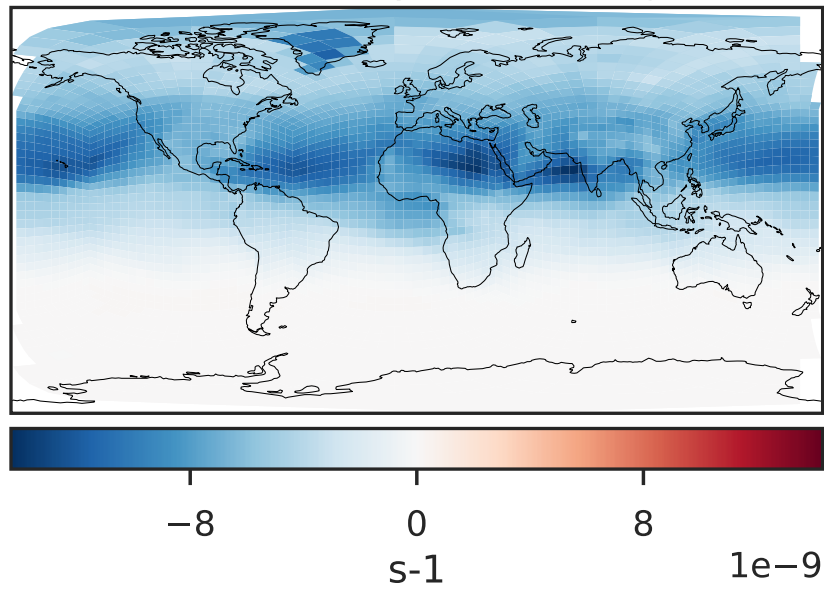
GCHP_14.0.0 (Ref)
c24



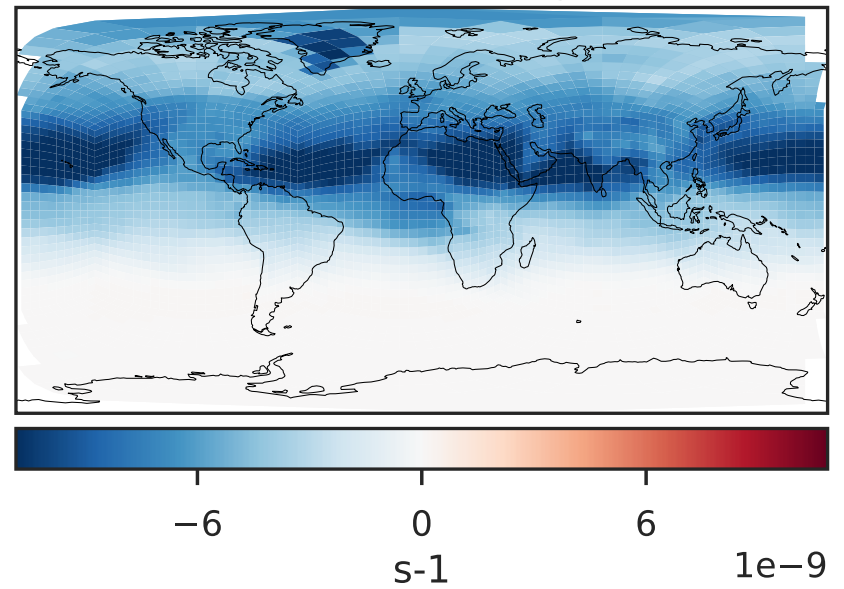
GCHP_14.2.0 (Dev)
c24



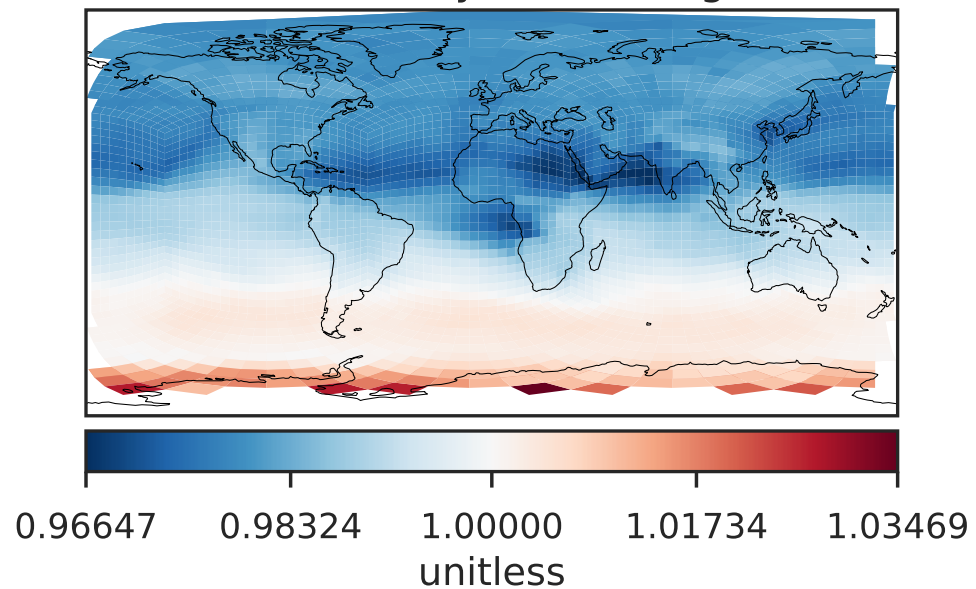
Difference
Dev - Ref, Dynamic Range



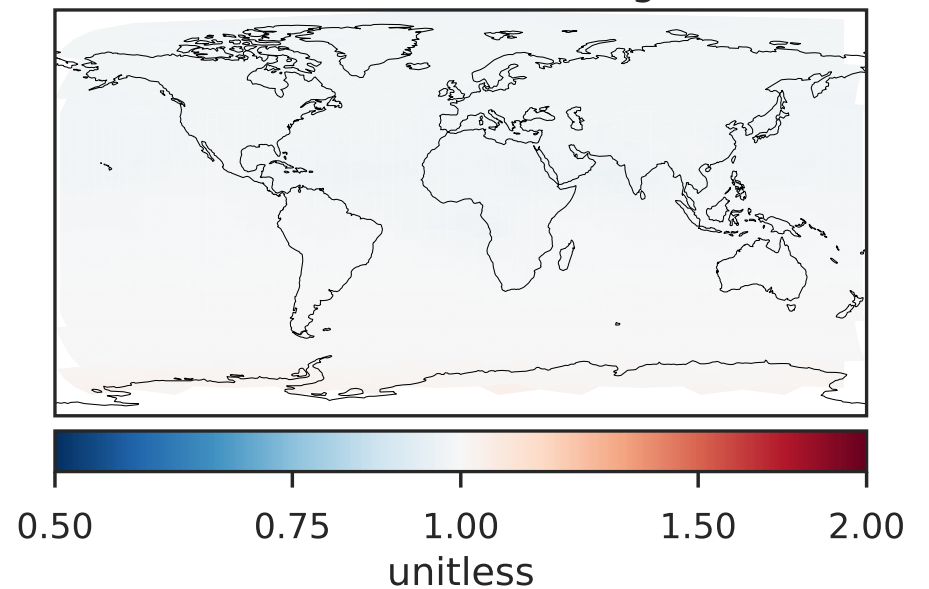
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

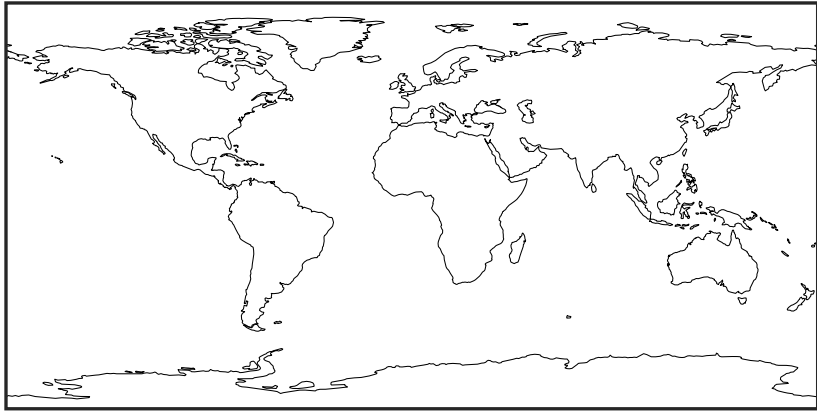


Ratio
Dev/Ref, Fixed Range



Jval_CHCl3 (Jul2019)

GCHP_14.0.0 (Ref)
c24



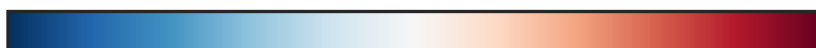
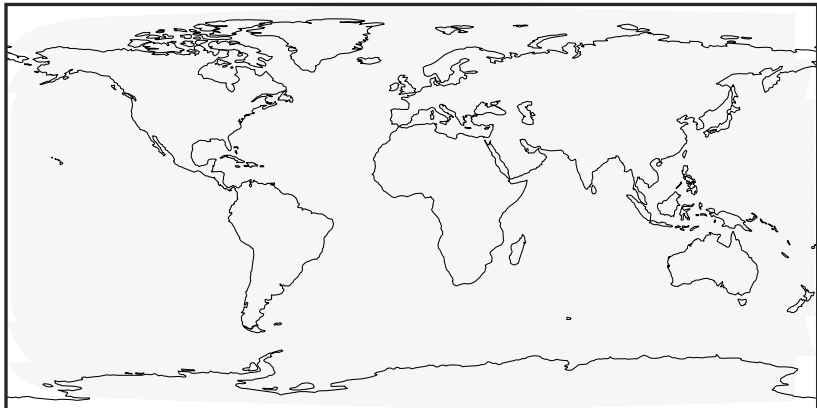
Zero throughput domain
s-1

GCHP_14.2.0 (Dev)
c24



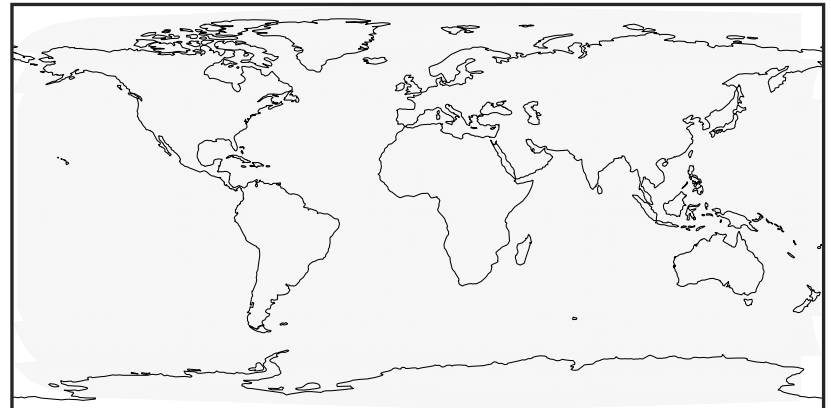
Zero throughput domain
s-1

Difference
Dev - Ref, Dynamic Range



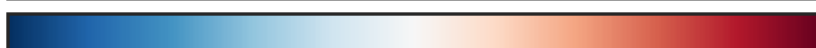
Zero throughput domain
s-1

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



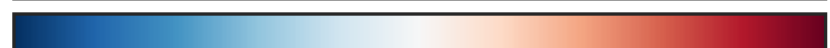
Zero throughput domain
s-1

Ratio
Dev/Ref, Dynamic Range



Undefined throughput domain
unitless

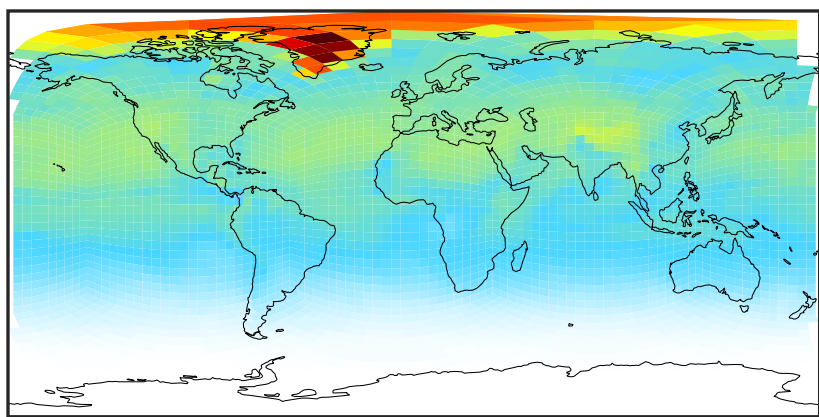
Ratio
Dev/Ref, Fixed Range



Undefined throughput domain
unitless

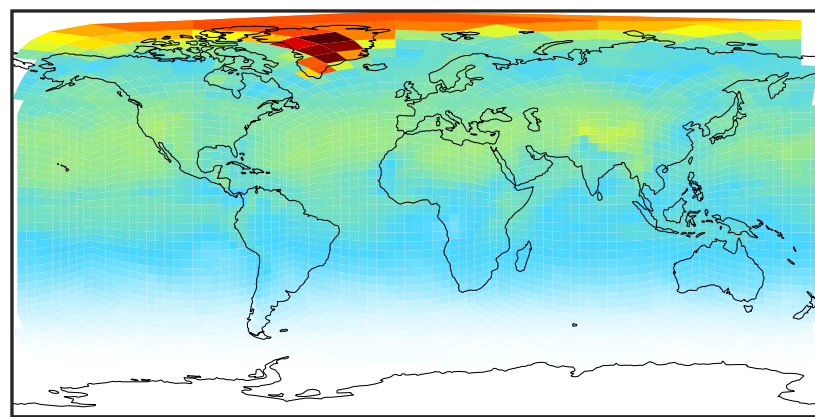
Jval_CI2 (Jul2019)

GCHP_14.0.0 (Ref)
c24



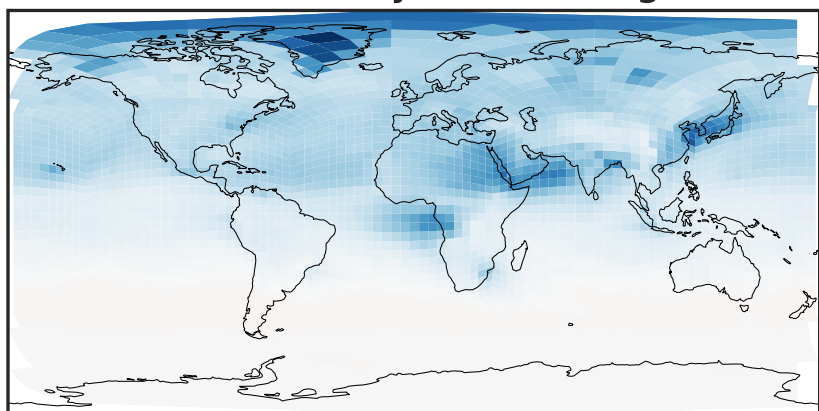
0.0000 0.0008 0.0016 0.0024
s-1

GCHP_14.2.0 (Dev)
c24



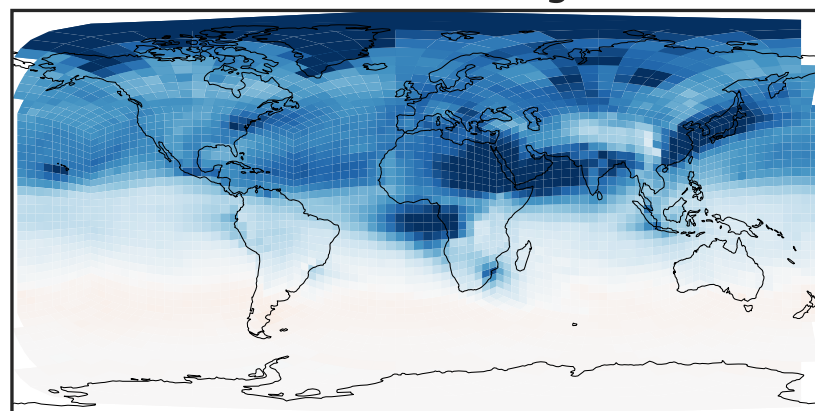
0.0000 0.0008 0.0016 0.0024
s-1

Difference
Dev - Ref, Dynamic Range



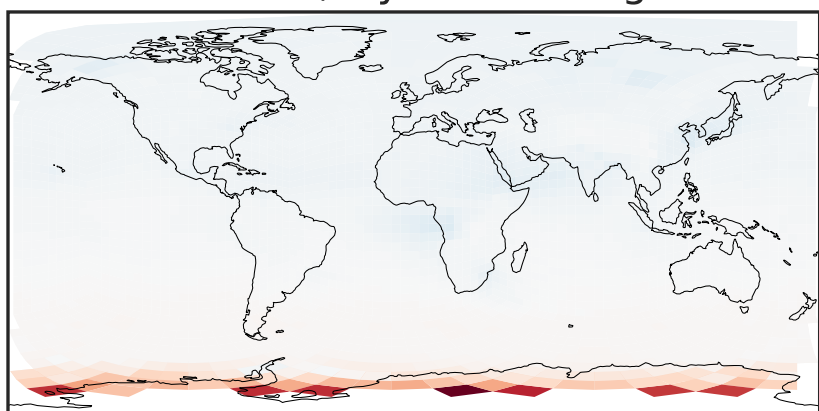
-3 0 3
s-1 1e-6

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



-1.5 0.0 1.5
s-1 1e-6

Ratio
Dev/Ref, Dynamic Range



0.95483 0.97742 1.00000 1.02365 1.04730
unitless

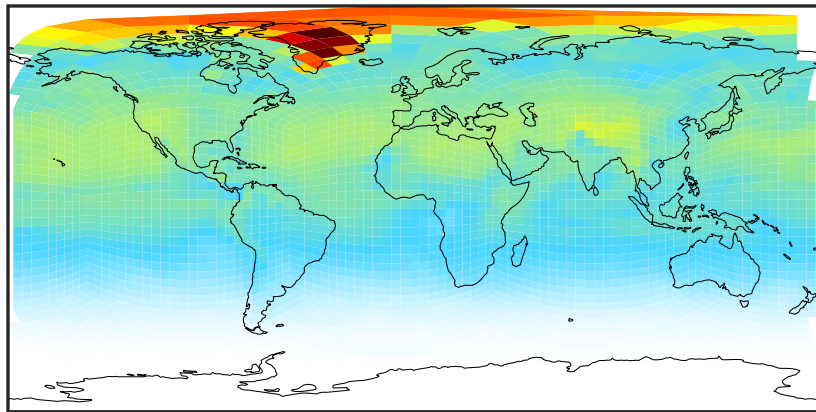
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

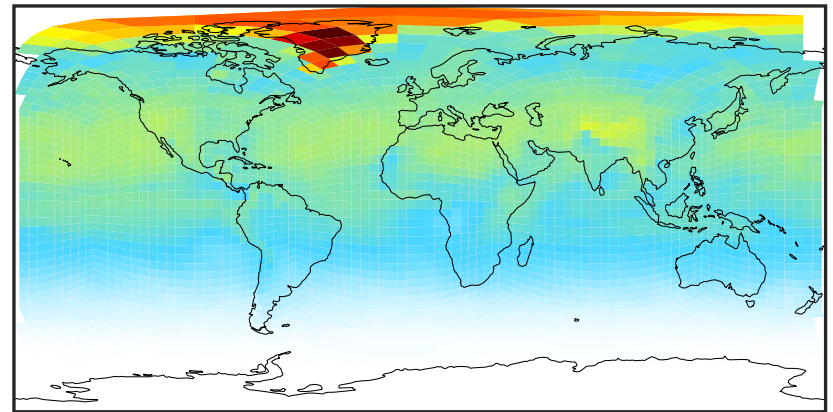
Jval_CI202 (Jul2019)

GCHP_14.0.0 (Ref)
c24



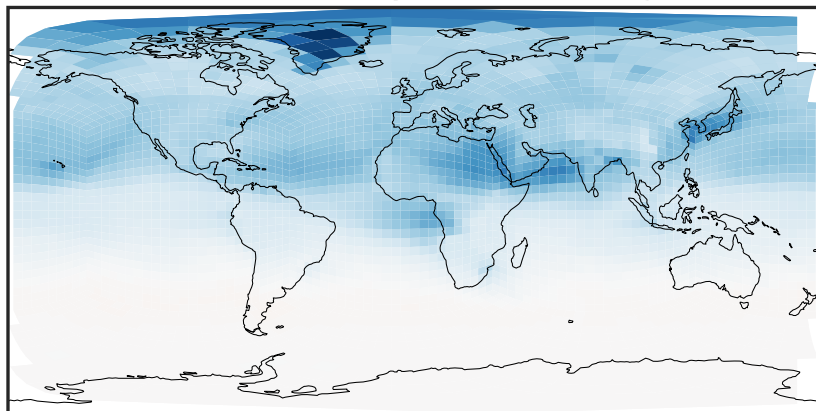
0.0000 0.0005 0.0010 0.0015
s-1

GCHP_14.2.0 (Dev)
c24



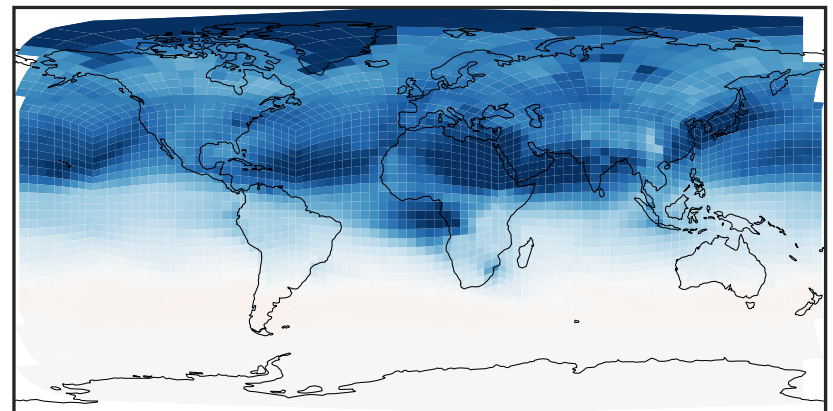
0.0000 0.0005 0.0010 0.0015
s-1

Difference
Dev - Ref, Dynamic Range



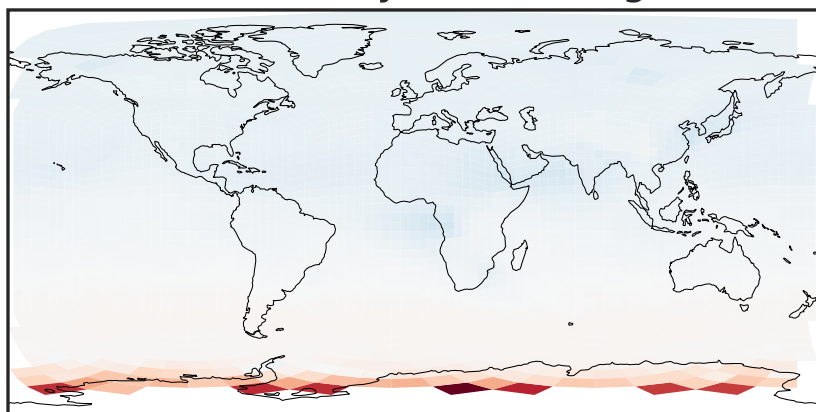
-4 0 4
s-1 1e-6

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



-2 0 2
s-1 1e-6

Ratio
Dev/Ref, Dynamic Range



0.95616 0.97808 1.00000 1.02292 1.04585
unitless

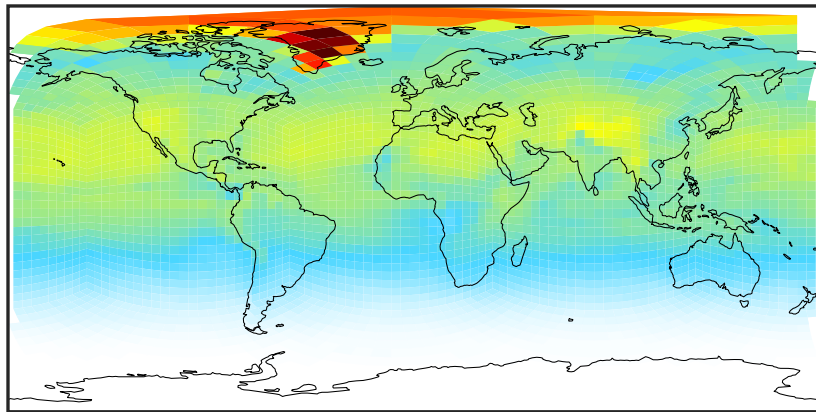
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

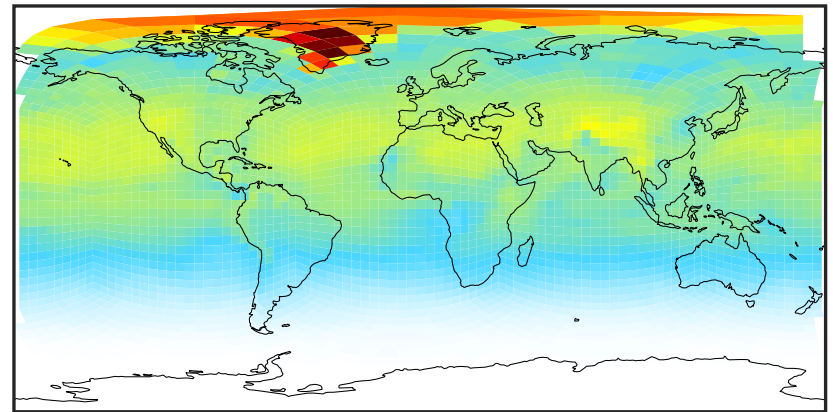
Jval_CINO2 (Jul2019)

GCHP_14.0.0 (Ref)
c24



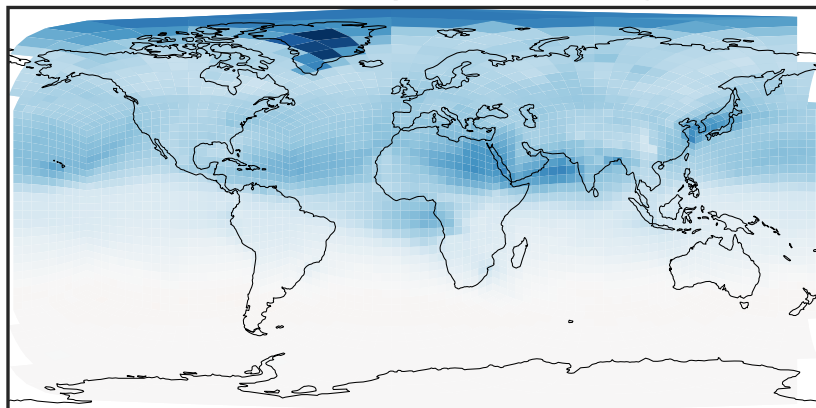
0.0000 0.0001 0.0002 0.0003
s-1

GCHP_14.2.0 (Dev)
c24



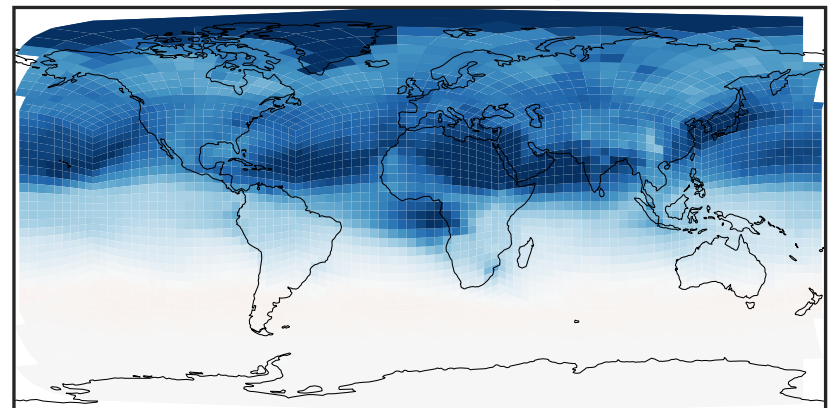
0.0000 0.0001 0.0002 0.0003
s-1

Difference
Dev - Ref, Dynamic Range



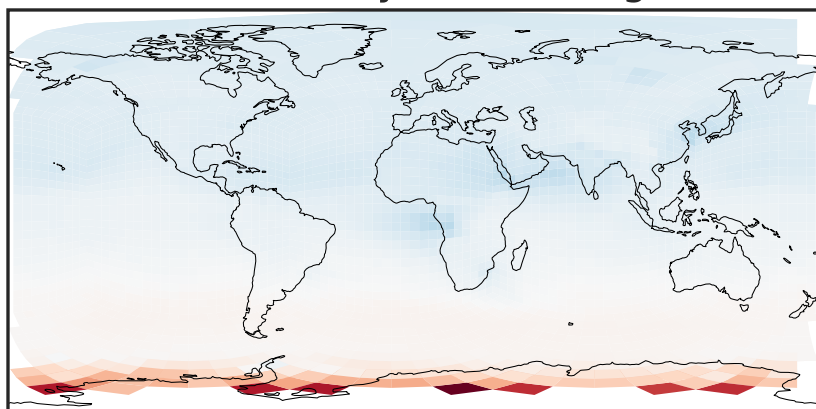
-1 0 1
s-1 1e-6

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



-5 0 5
s-1 1e-7

Ratio
Dev/Ref, Dynamic Range



0.96266 0.98133 1.00000 1.01939 1.03879
unitless

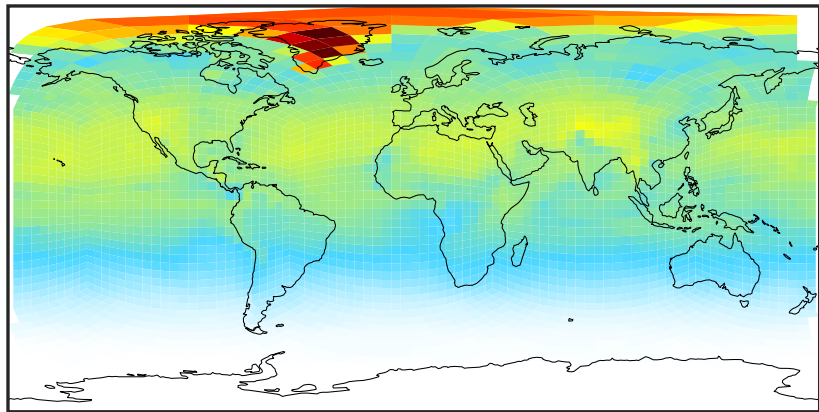
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

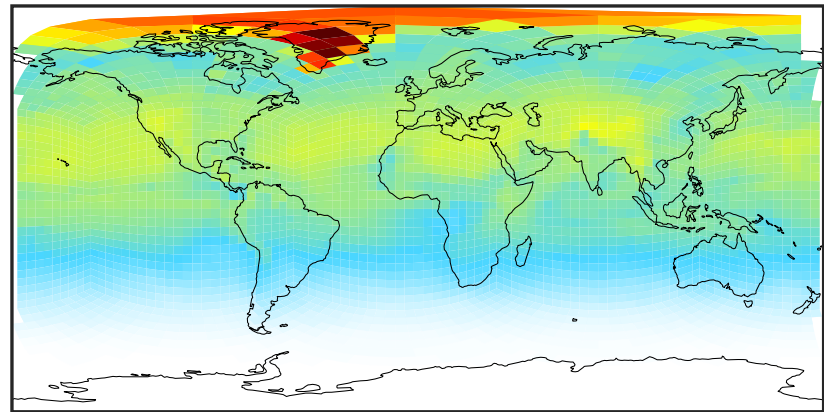
Jval_CINO3 (Jul2019)

GCHP_14.0.0 (Ref)
c24



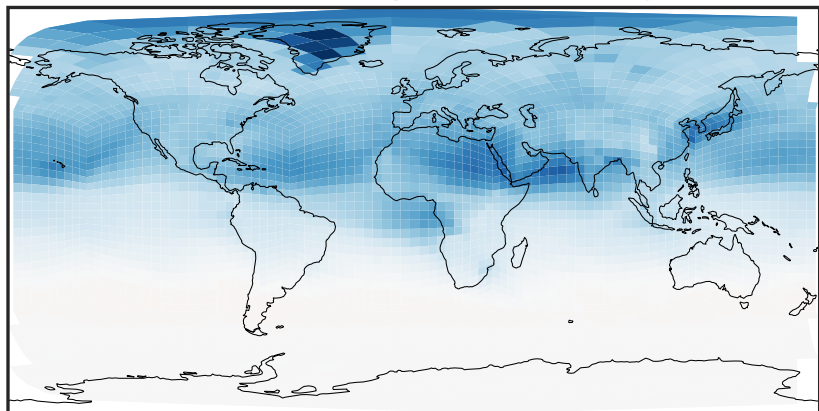
0.0 1.5 3.0 $1e-5$
s-1

GCHP_14.2.0 (Dev)
c24



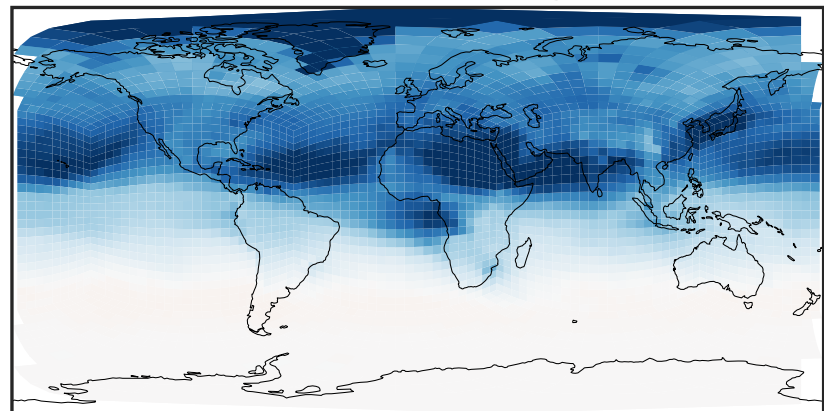
0.0 1.5 3.0 $1e-5$
s-1

Difference
Dev - Ref, Dynamic Range



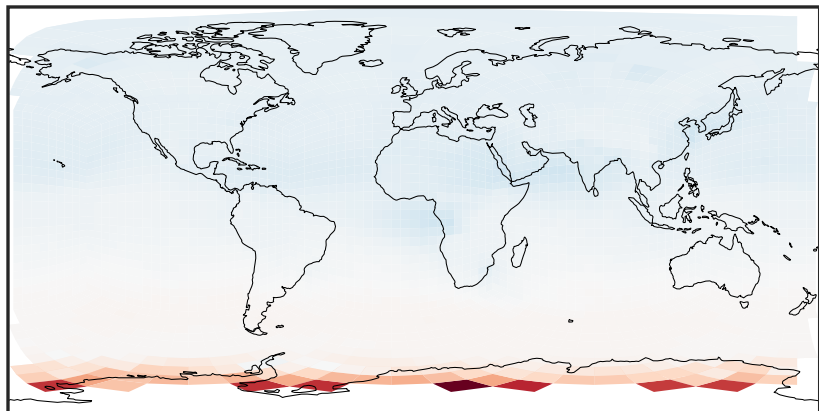
-1 0 1 $1e-7$
s-1

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



-6 0 6 $1e-8$
s-1

Ratio
Dev/Ref, Dynamic Range



0.95428 0.97714 1.00000 1.02395 1.04791
unitless

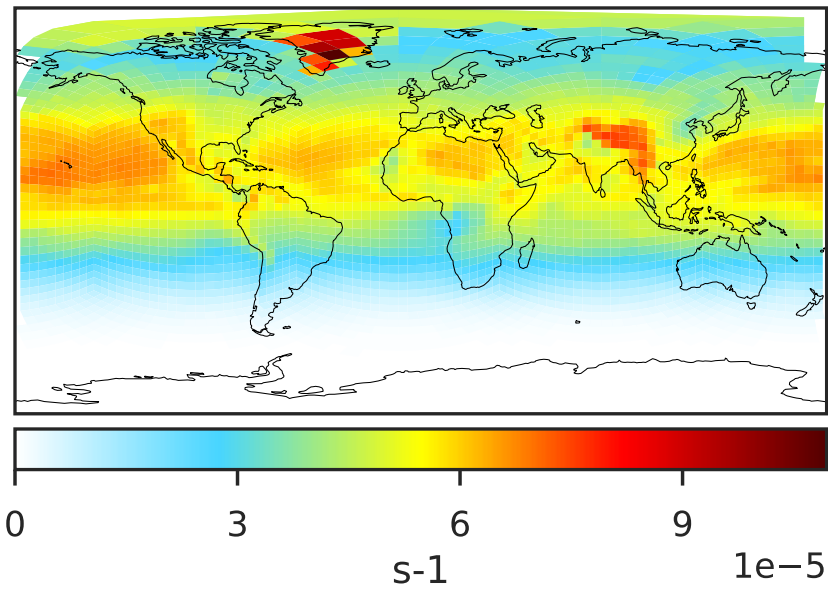
Ratio
Dev/Ref, Fixed Range



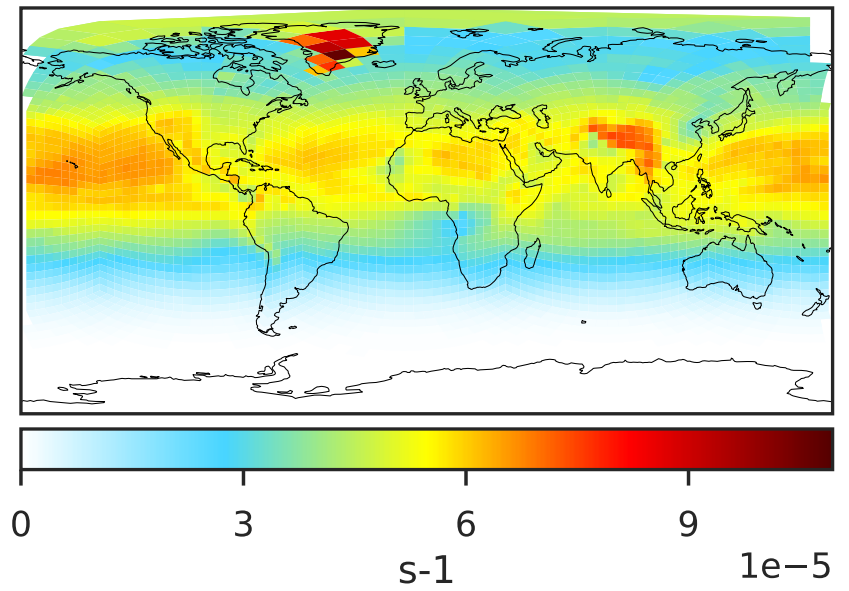
0.50 0.75 1.00 1.50 2.00
unitless

Jval_CIO (Jul2019)

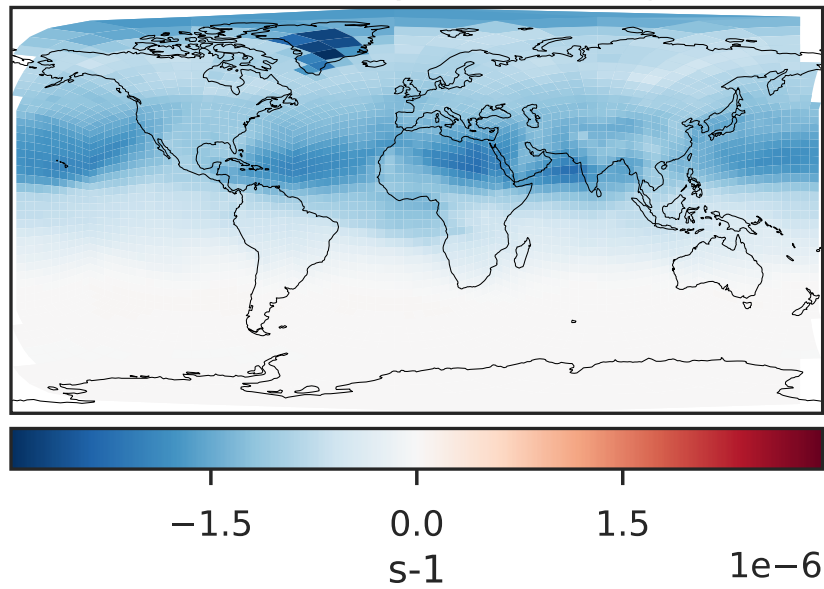
GCHP_14.0.0 (Ref)
c24



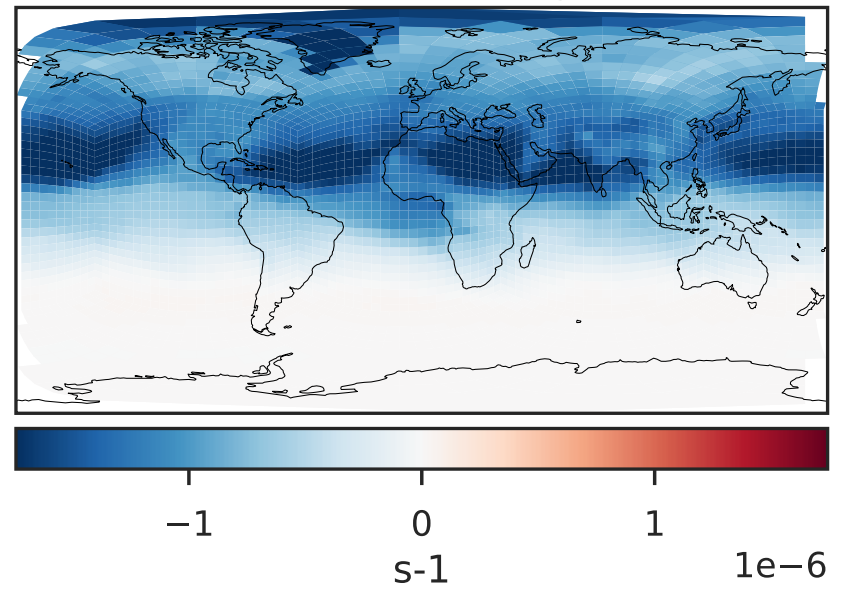
GCHP_14.2.0 (Dev)
c24



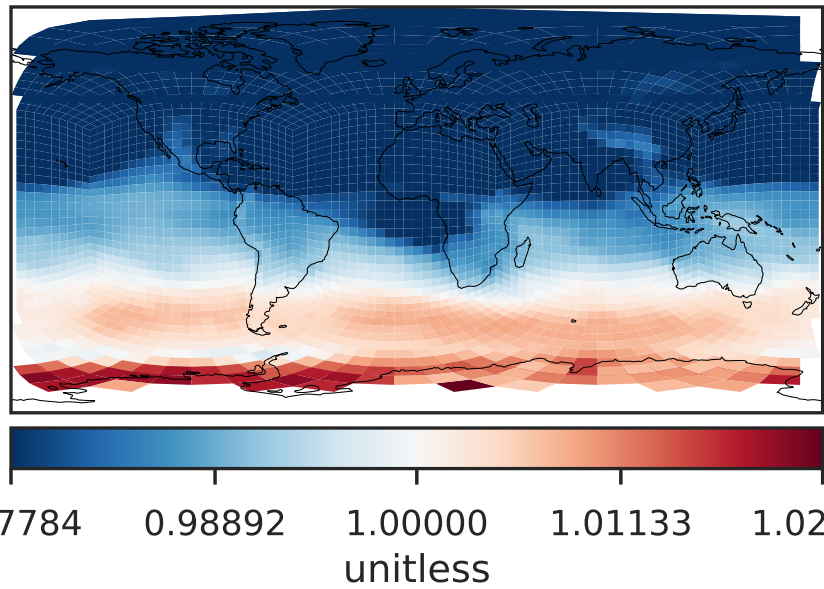
Difference
Dev - Ref, Dynamic Range



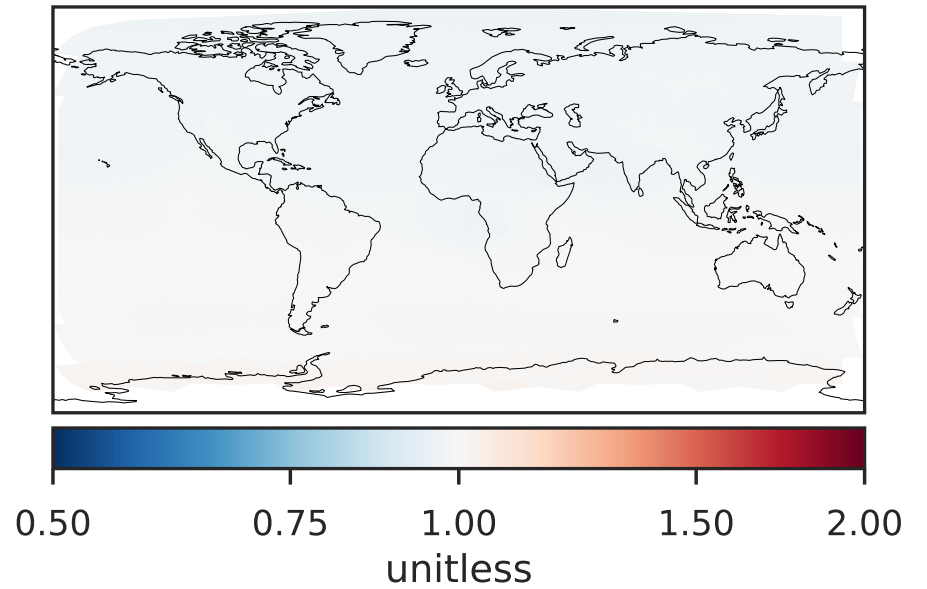
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

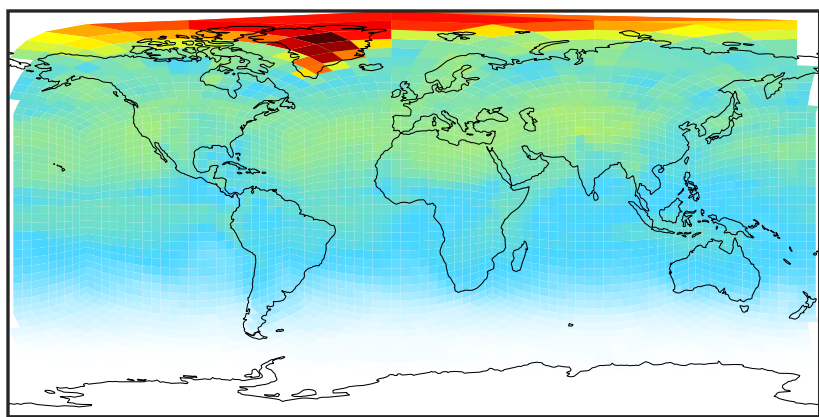


Ratio
Dev/Ref, Fixed Range



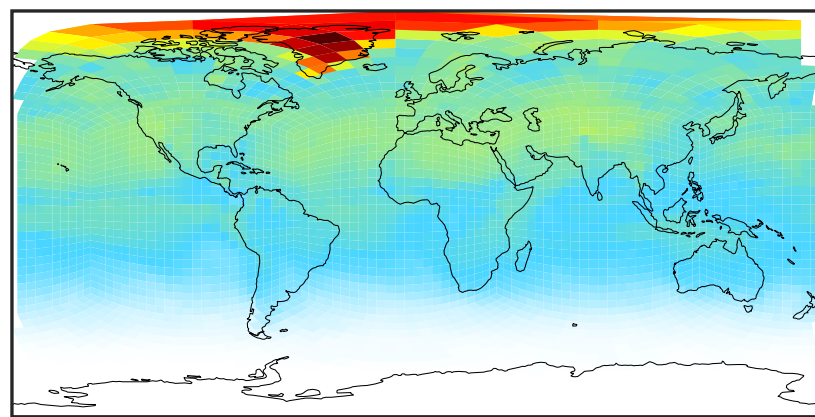
Jval_C100 (Jul2019)

GCHP_14.0.0 (Ref)
c24



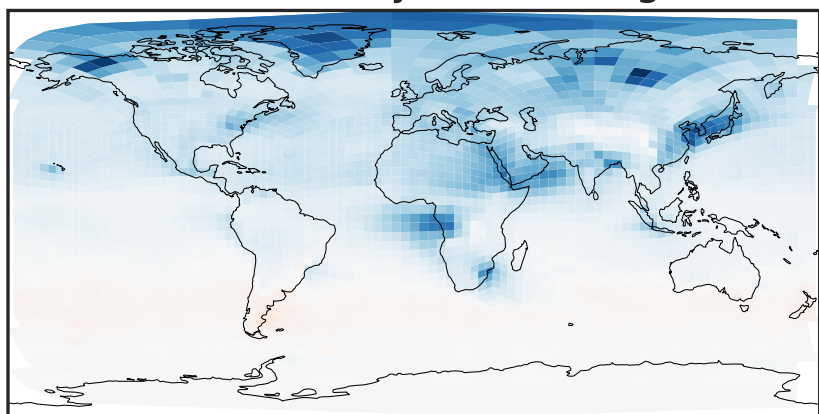
0.0000 0.1655 0.3311 0.4966 0.6622
s-1

GCHP_14.2.0 (Dev)
c24



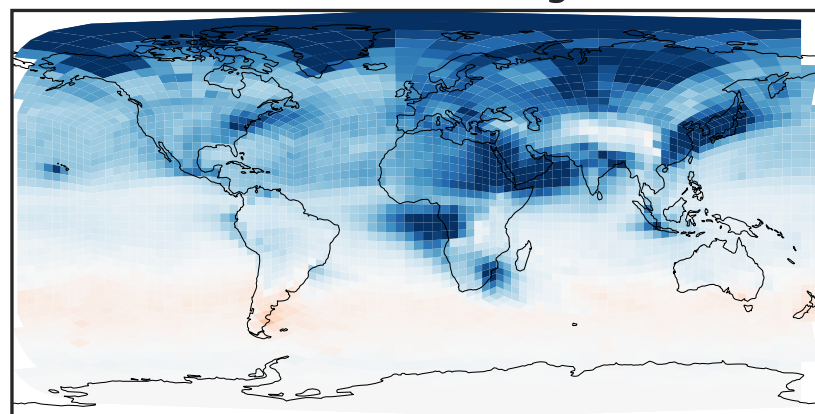
0.0000 0.1655 0.3311 0.4966 0.6622
s-1

Difference
Dev - Ref, Dynamic Range



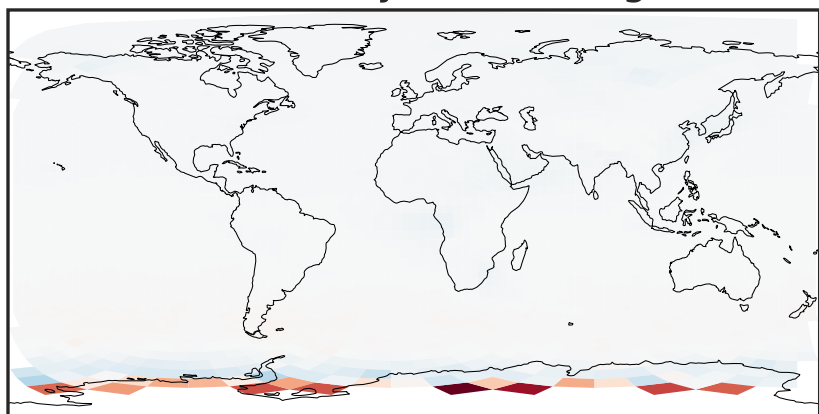
-0.0004 0.0000 0.0004
s-1

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



-0.0002 0.0000 0.0002
s-1

Ratio
Dev/Ref, Dynamic Range



0.9497 0.9749 1.0000 1.0265 1.0530
unitless

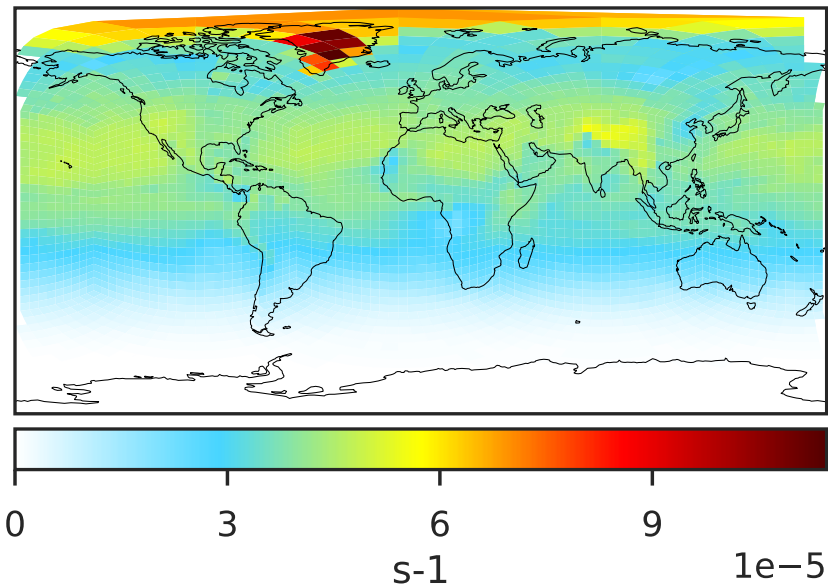
Ratio
Dev/Ref, Fixed Range



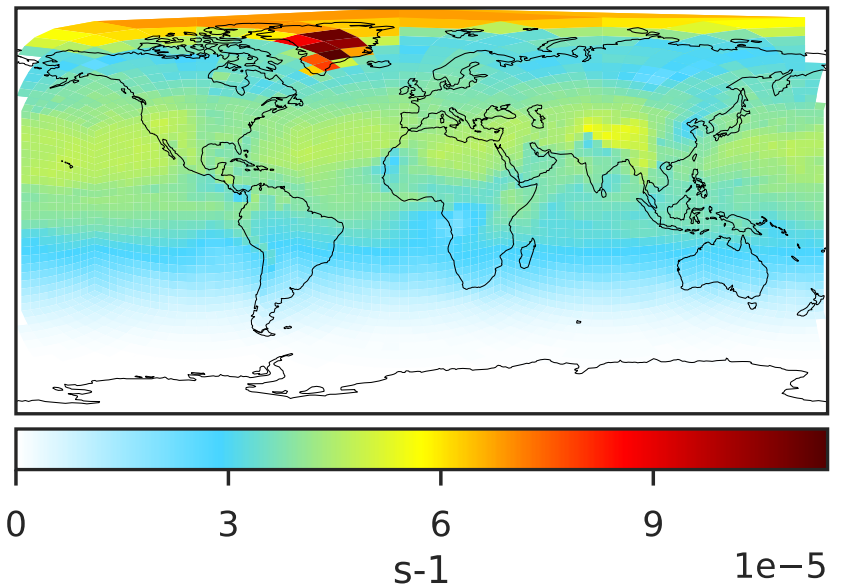
0.50 0.75 1.00 1.50 2.00
unitless

Jval_ETHLN (Jul2019)

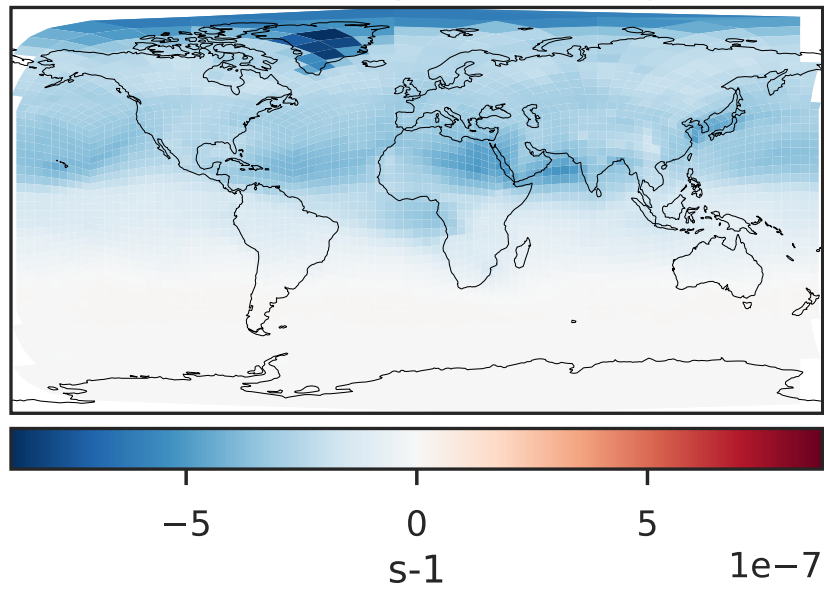
GCHP_14.0.0 (Ref)
c24



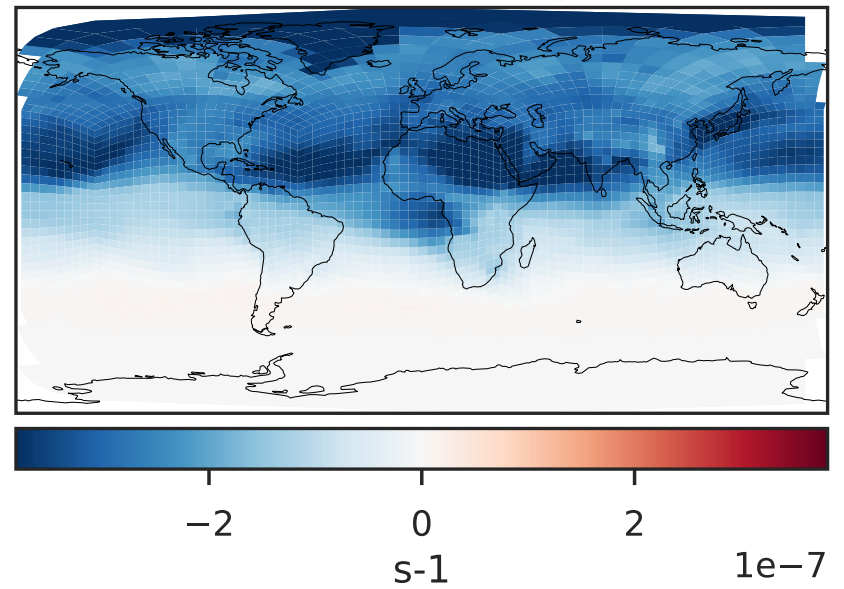
GCHP_14.2.0 (Dev)
c24



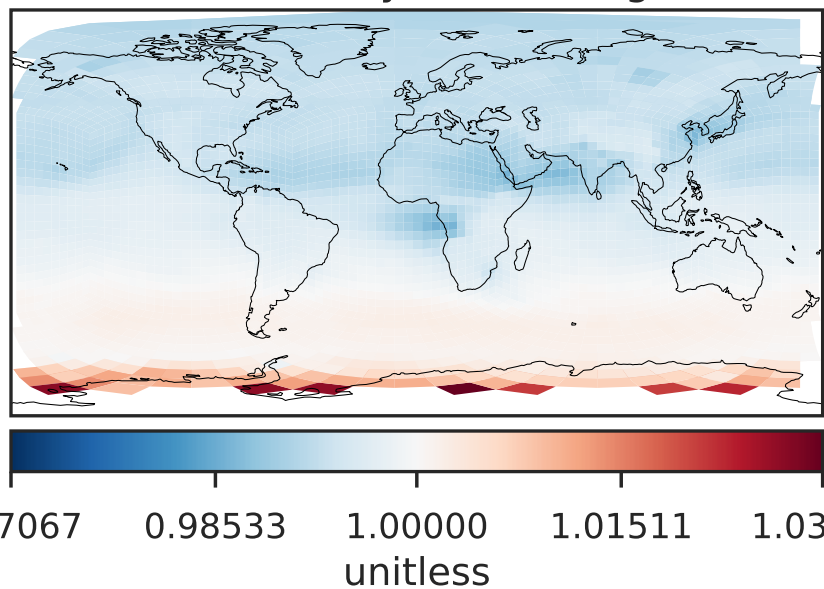
Difference
Dev - Ref, Dynamic Range



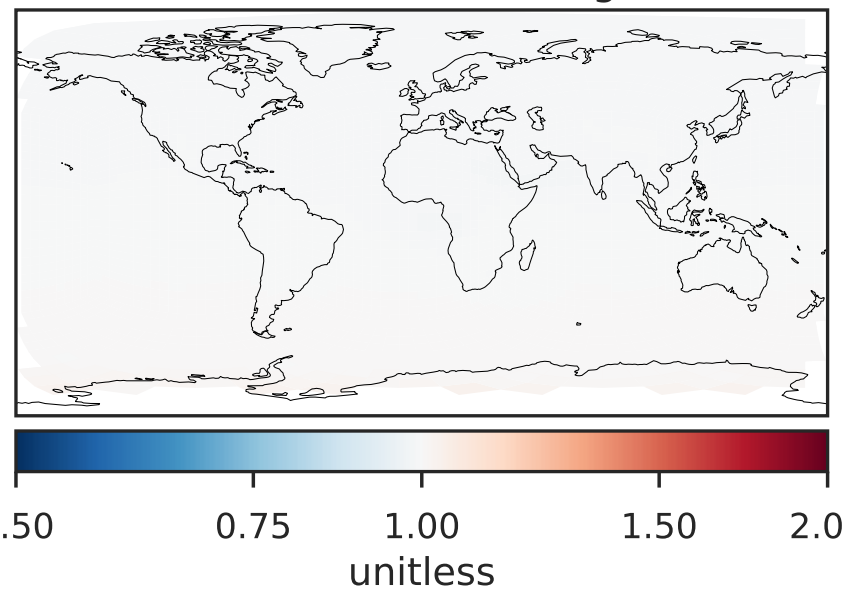
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

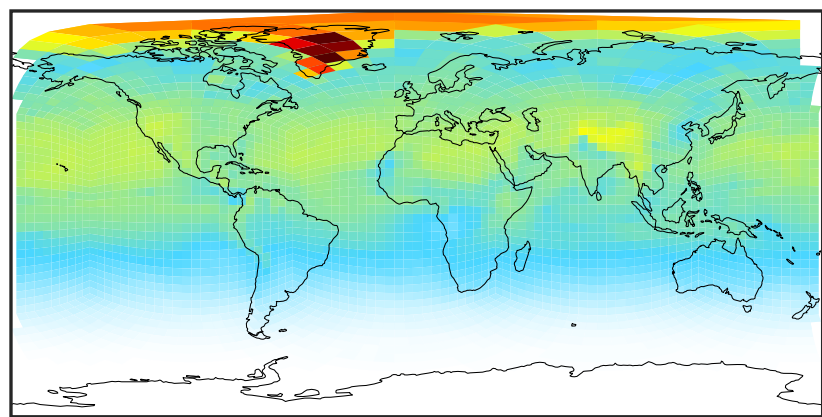


Ratio
Dev/Ref, Fixed Range



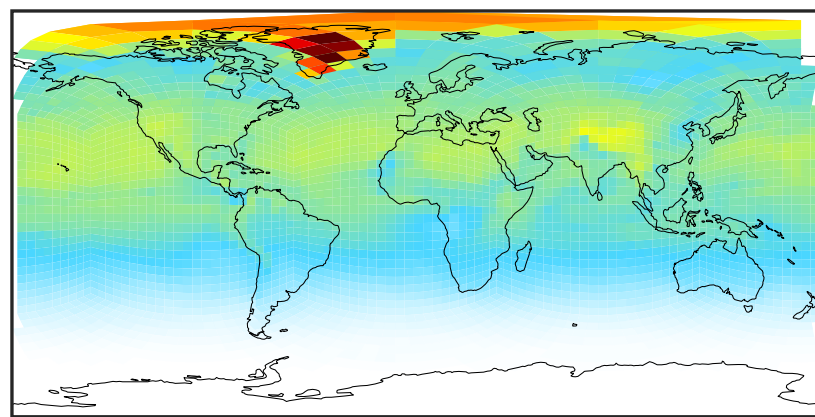
Jval_ETHP (Jul2019)

GCHP_14.0.0 (Ref)
c24



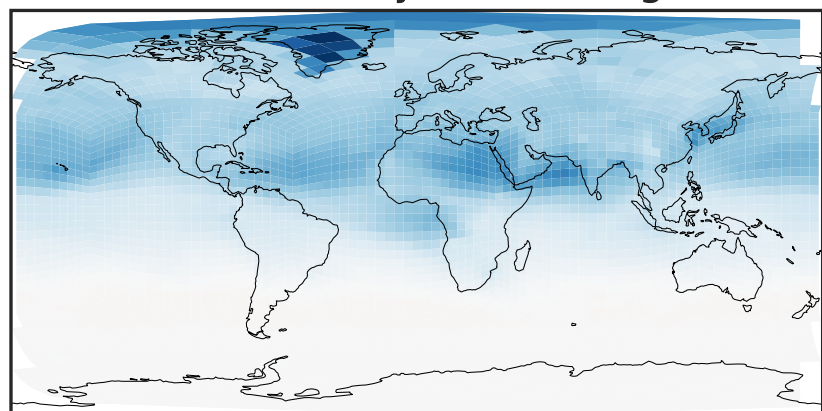
0.0 1.5 3.0 4.5
s-1 $1e-6$

GCHP_14.2.0 (Dev)
c24



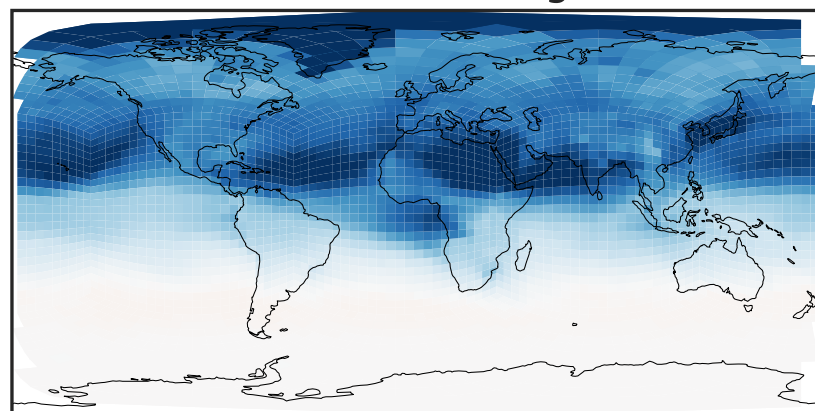
0.0 1.5 3.0 4.5
s-1 $1e-6$

Difference
Dev - Ref, Dynamic Range



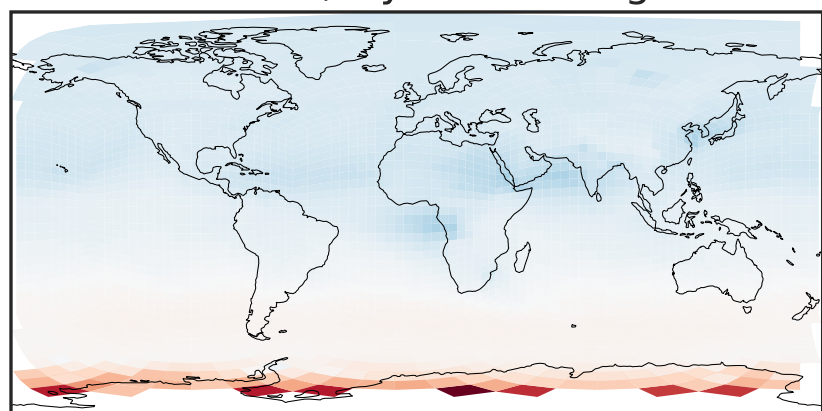
-2 0 2
s-1 $1e-8$

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



-8 0 8
s-1 $1e-9$

Ratio
Dev/Ref, Dynamic Range



0.96158 0.98079 1.00000 1.01998 1.03996
unitless

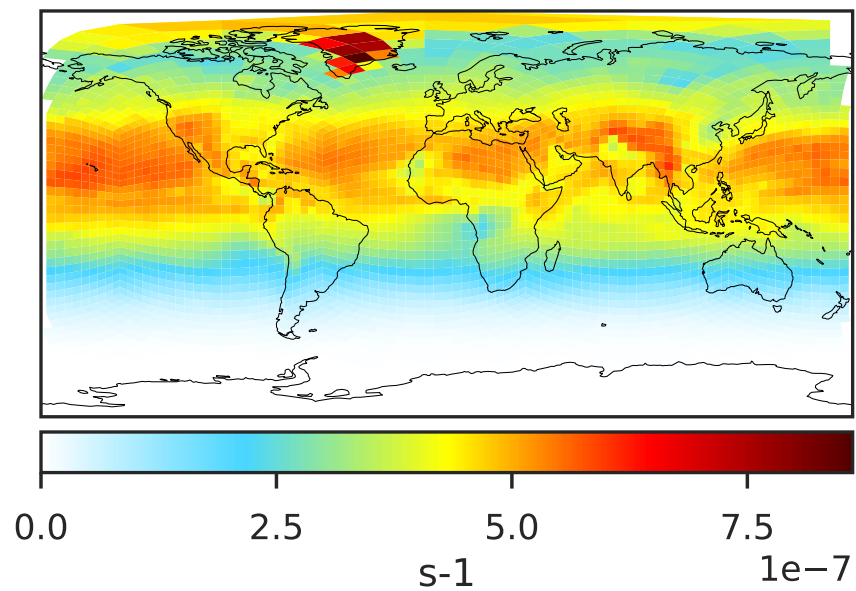
Ratio
Dev/Ref, Fixed Range



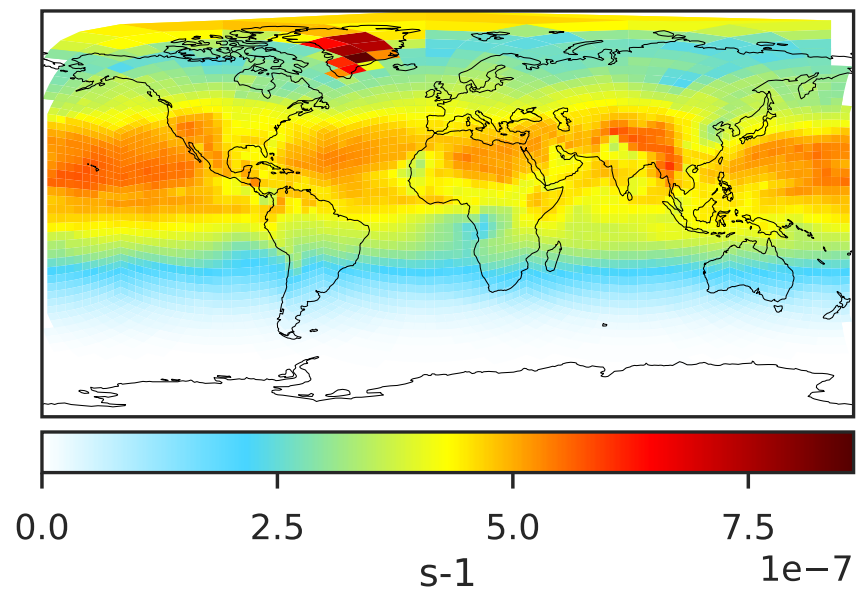
0.50 0.75 1.00 1.50 2.00
unitless

Jval_ETNO3 (Jul2019)

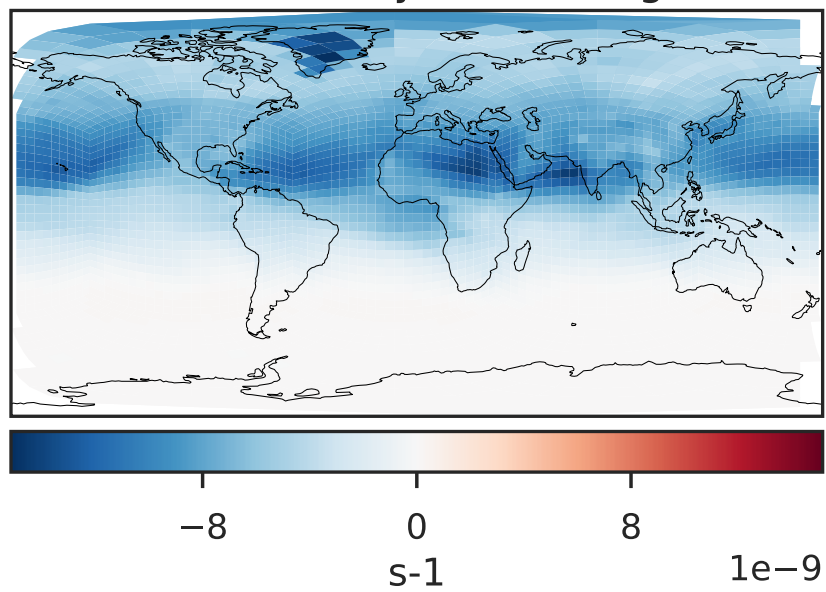
GCHP_14.0.0 (Ref)
c24



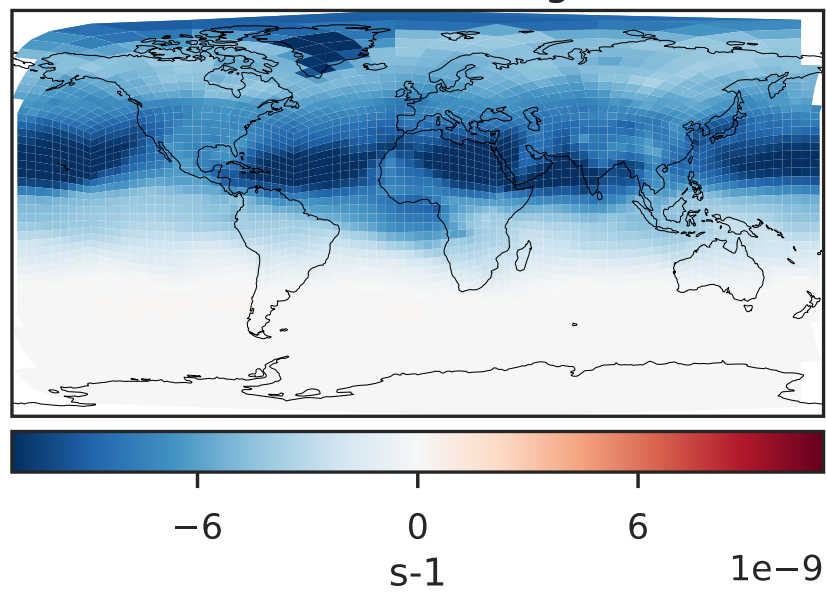
GCHP_14.2.0 (Dev)
c24



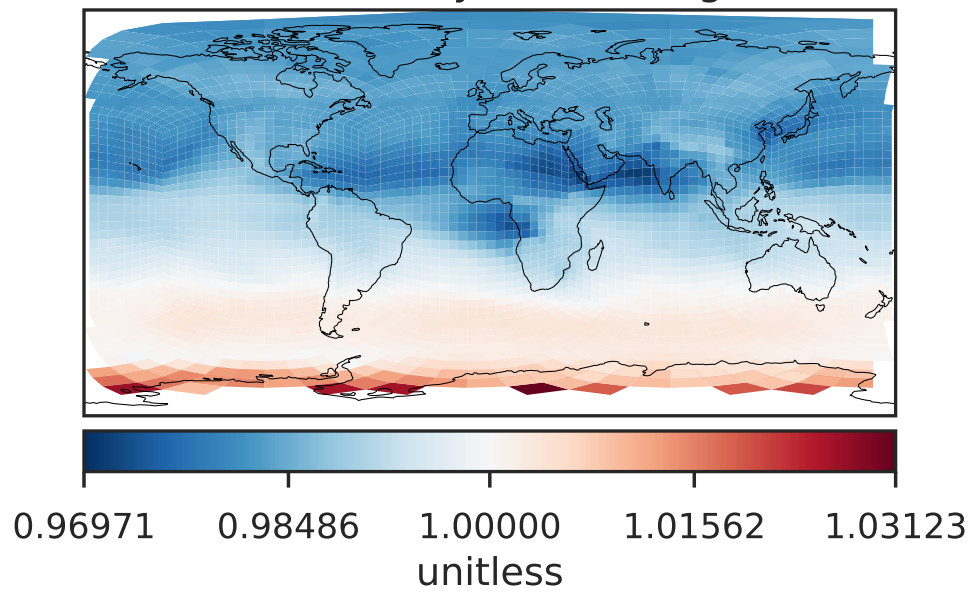
Difference
Dev - Ref, Dynamic Range



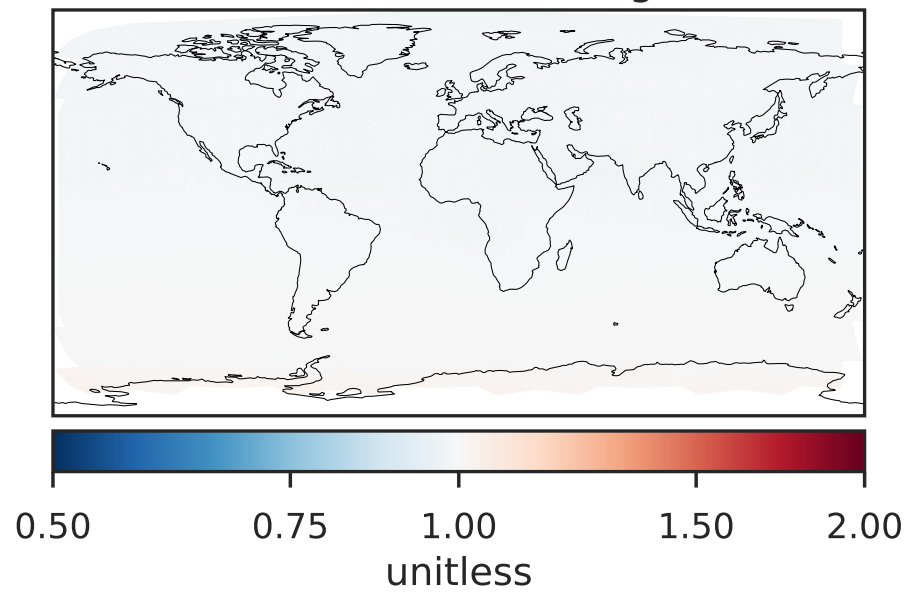
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

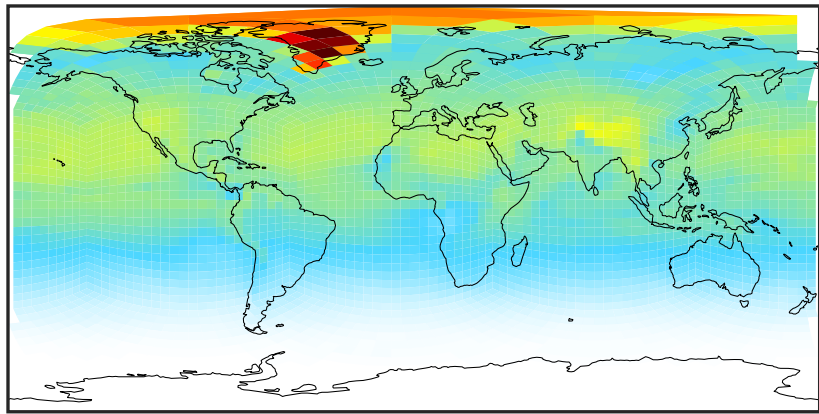


Ratio
Dev/Ref, Fixed Range



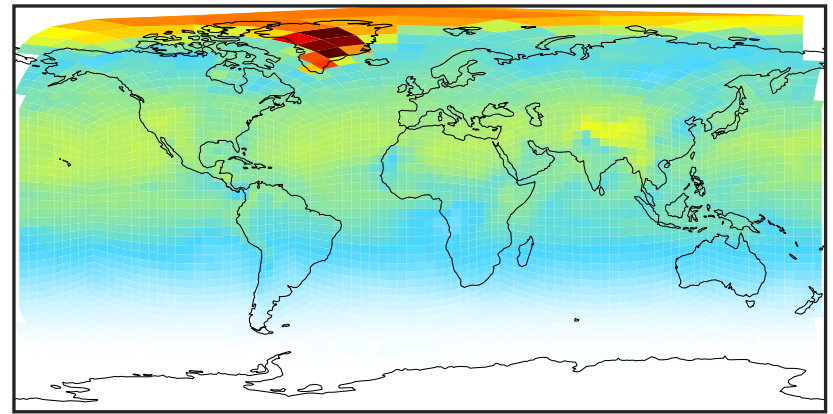
Jval_ETP (Jul2019)

GCHP_14.0.0 (Ref)
c24



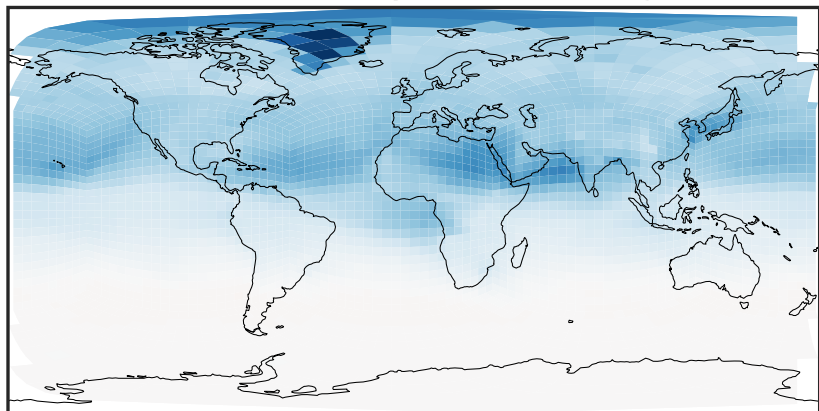
0.0 0.8 1.6 2.4
s-1 $1e-6$

GCHP_14.2.0 (Dev)
c24



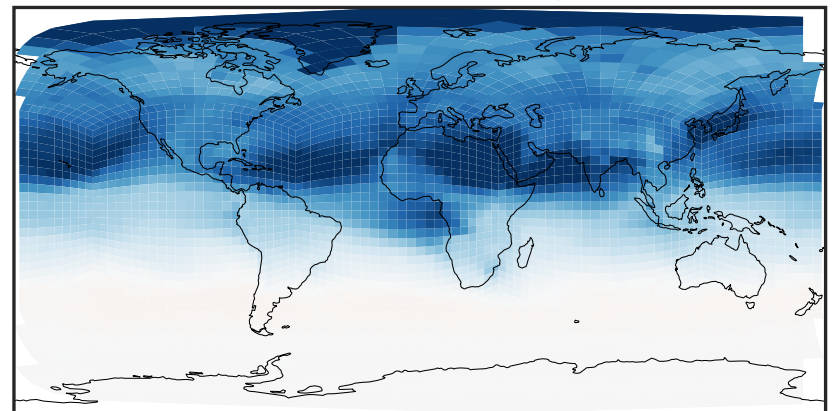
0.0 0.8 1.6 2.4
s-1 $1e-6$

Difference
Dev - Ref, Dynamic Range



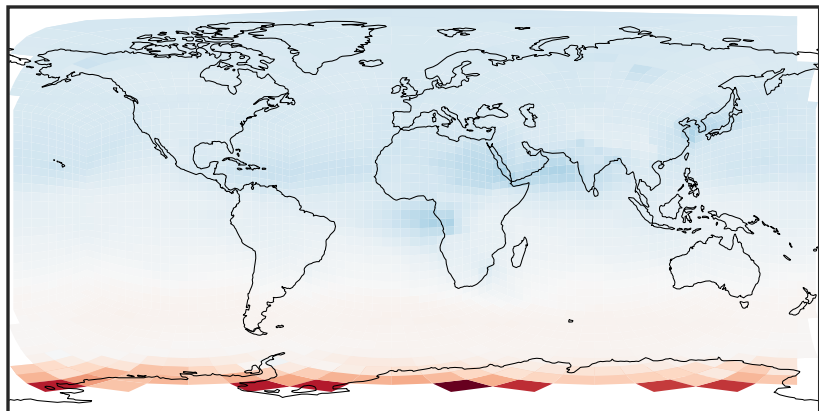
-1 0 1
s-1 $1e-8$

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



-4 0 4
s-1 $1e-9$

Ratio
Dev/Ref, Dynamic Range



0.96158 0.98079 1.00000 1.01998 1.03996
unitless

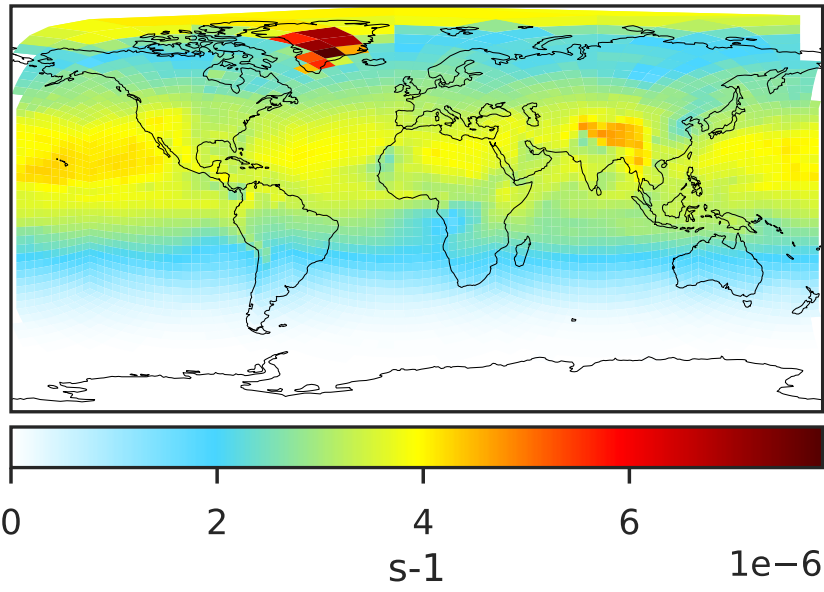
Ratio
Dev/Ref, Fixed Range



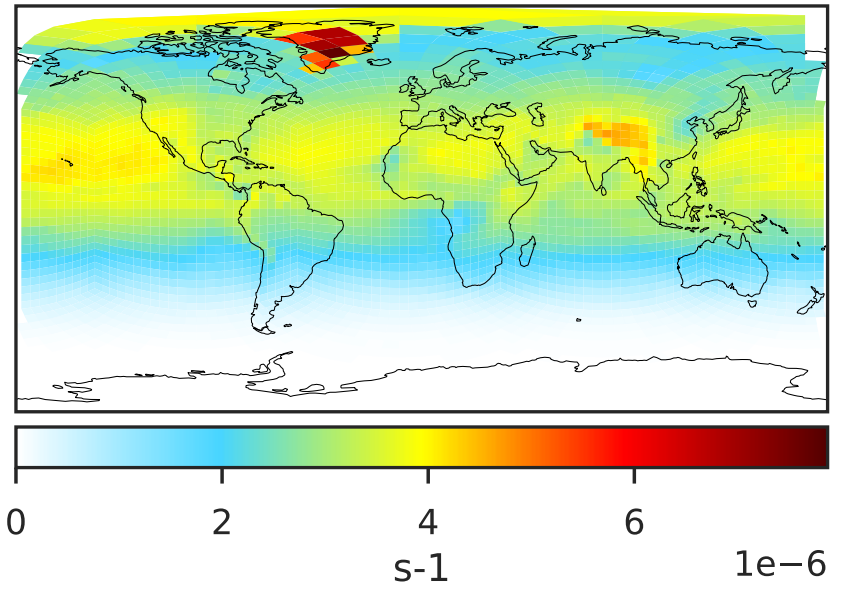
0.50 0.75 1.00 1.50 2.00
unitless

Jval_GLYC (Jul2019)

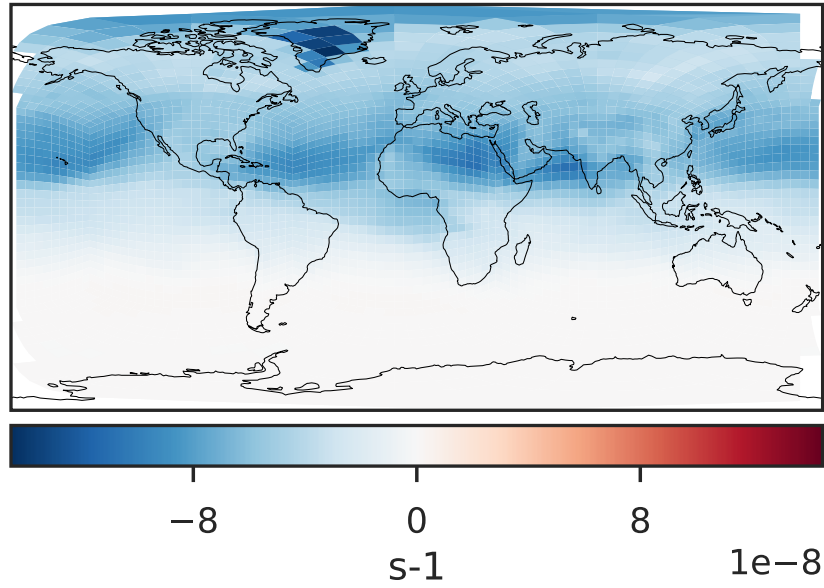
GCHP_14.0.0 (Ref)
c24



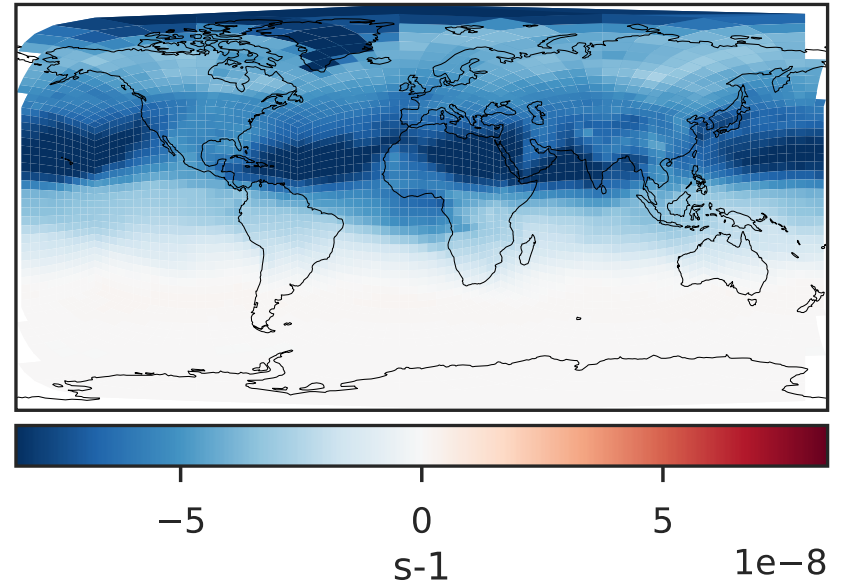
GCHP_14.2.0 (Dev)
c24



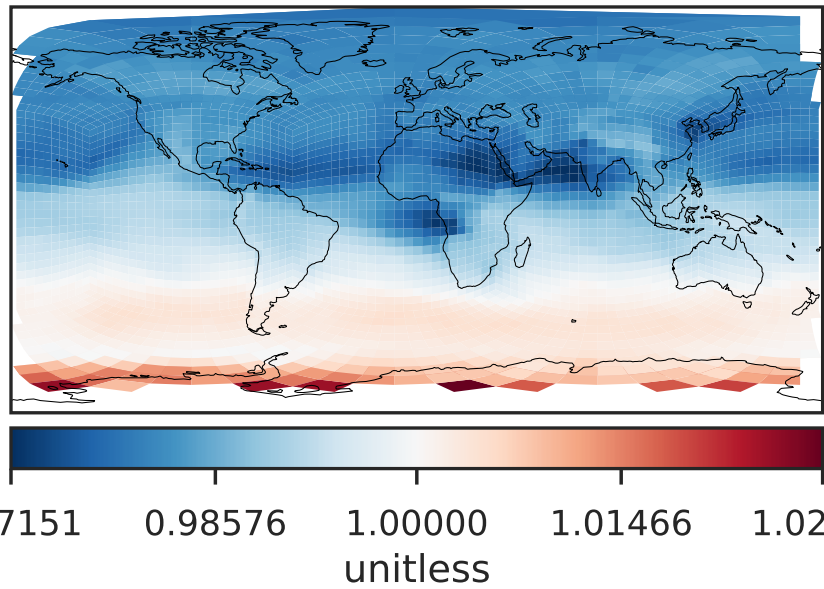
Difference
Dev - Ref, Dynamic Range



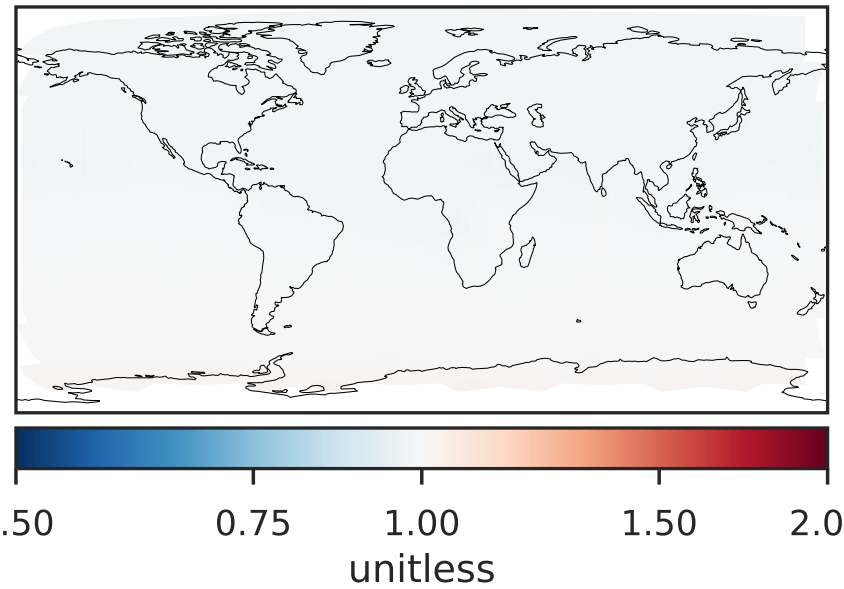
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

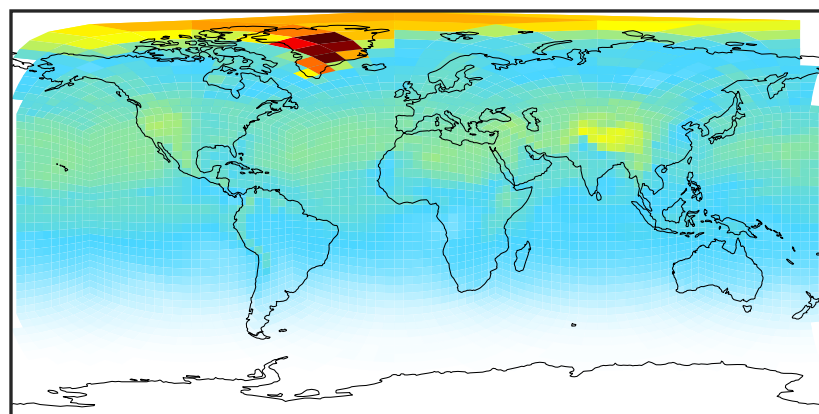


Ratio
Dev/Ref, Fixed Range



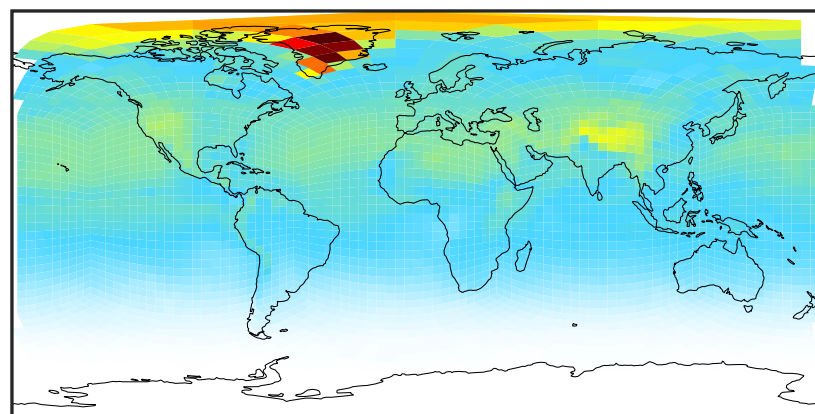
Jval_GLYX (Jul2019)

GCHP_14.0.0 (Ref)
c24



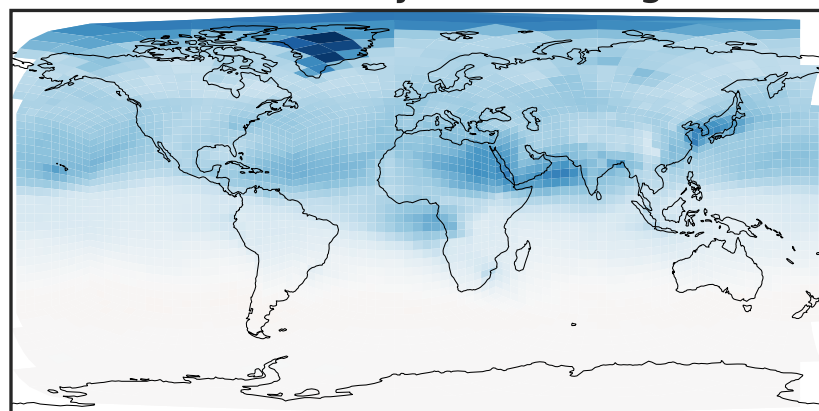
0.00000 0.00004 0.00008 0.00012
s-1

GCHP_14.2.0 (Dev)
c24



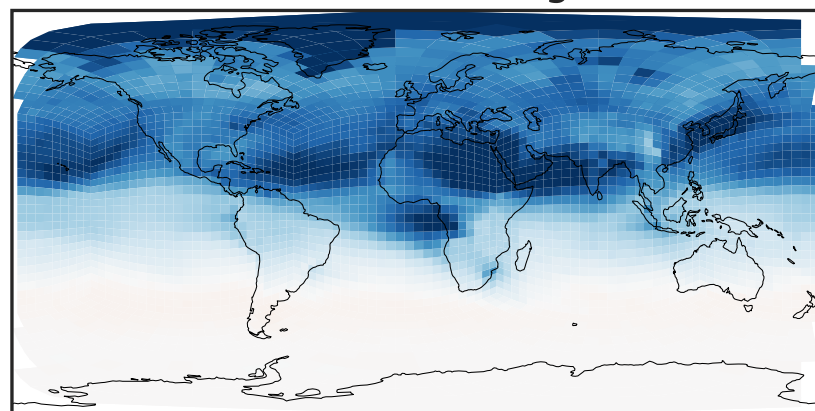
0.00000 0.00004 0.00008 0.00012
s-1

Difference
Dev - Ref, Dynamic Range



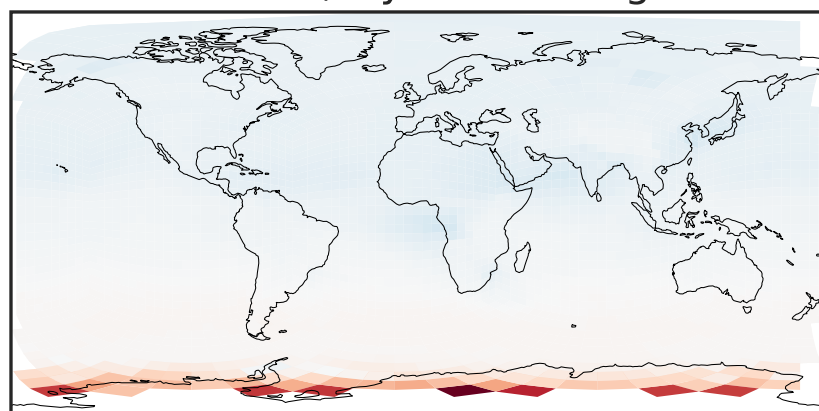
-2.5 0.0 2.5
s-1 1e-7

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



-1.5 0.0 1.5
s-1 1e-7

Ratio
Dev/Ref, Dynamic Range



0.95292 0.97646 1.00000 1.02471 1.04941
unitless

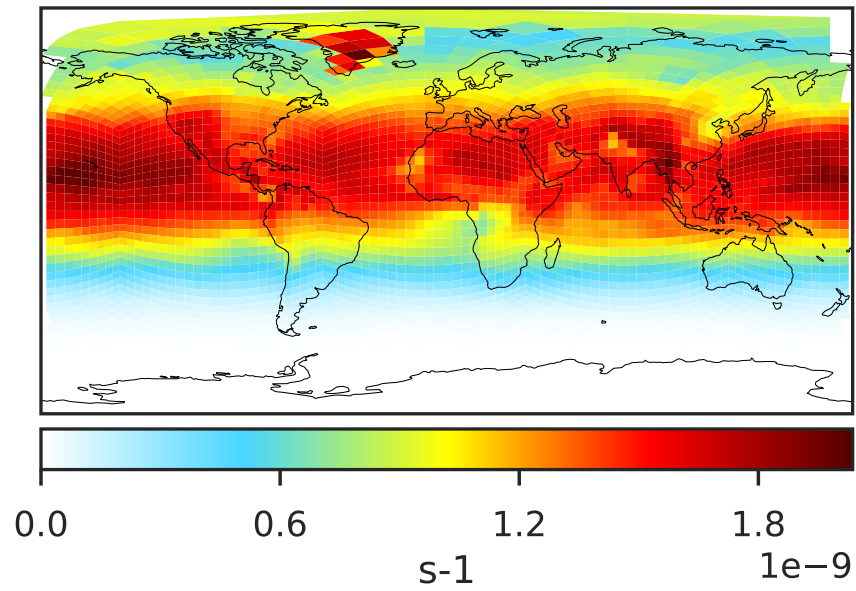
Ratio
Dev/Ref, Fixed Range



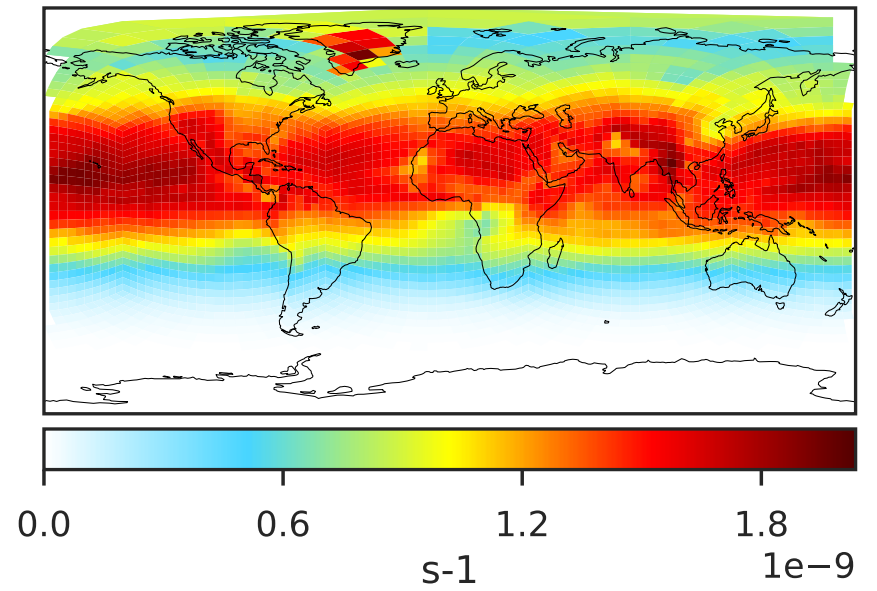
0.50 0.75 1.00 1.50 2.00
unitless

Jval_H1211 (Jul2019)

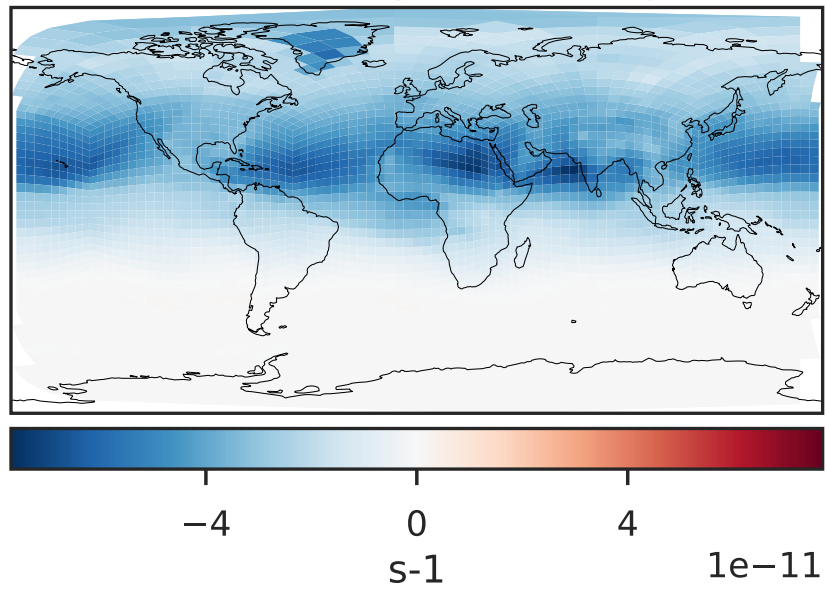
GCHP_14.0.0 (Ref)
c24



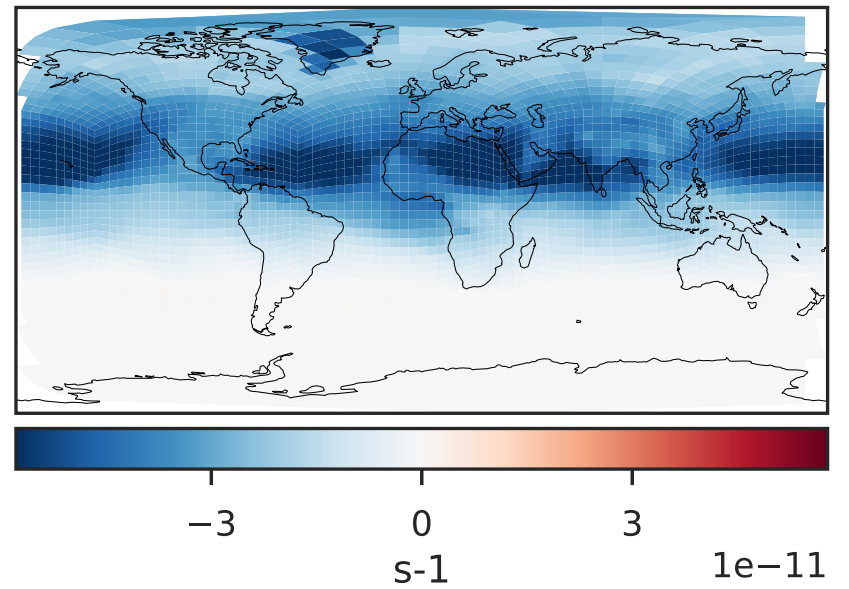
GCHP_14.2.0 (Dev)
c24



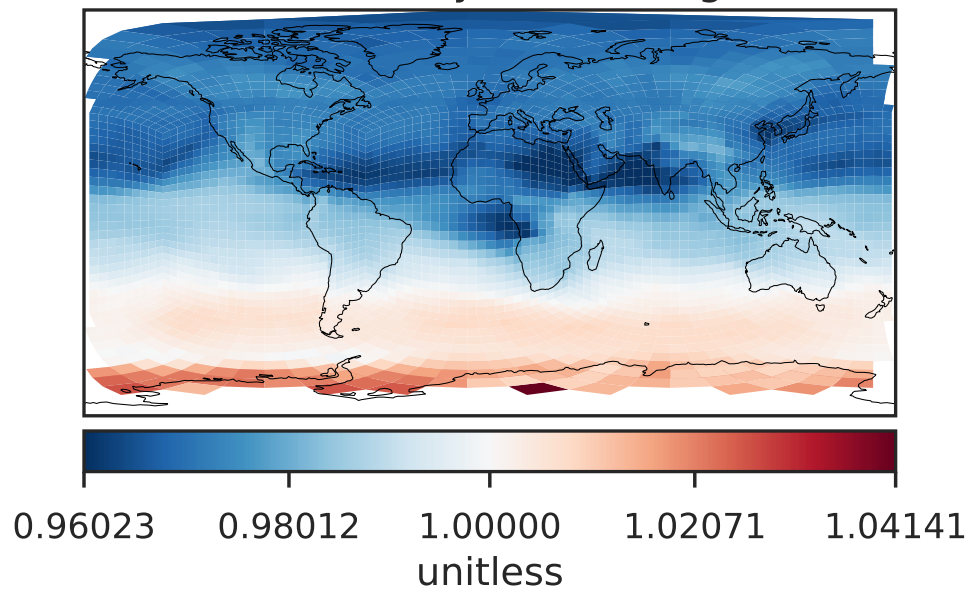
Difference
Dev - Ref, Dynamic Range



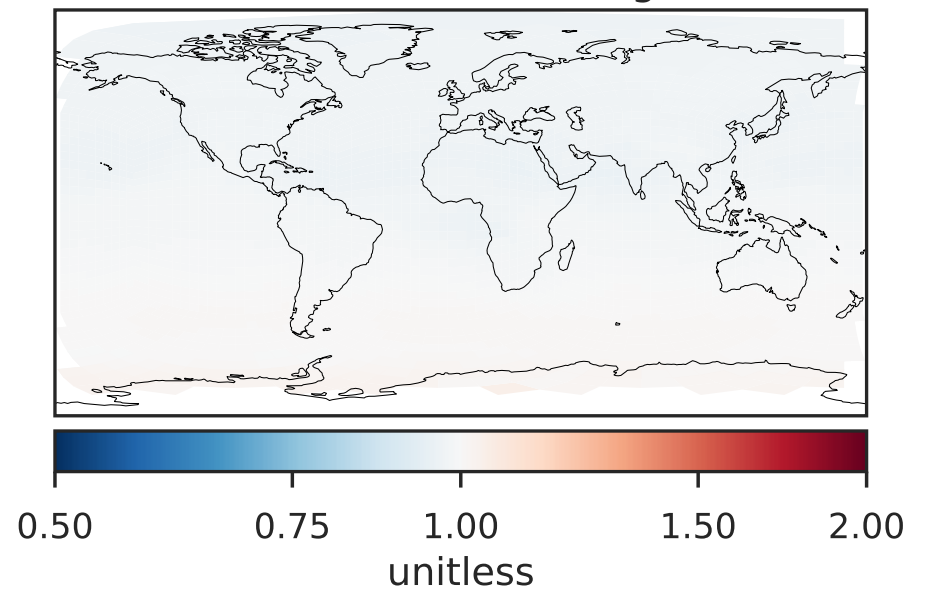
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

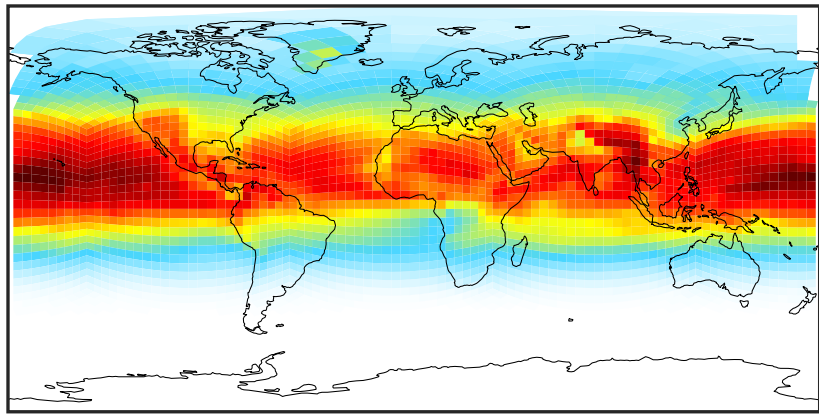


Ratio
Dev/Ref, Fixed Range



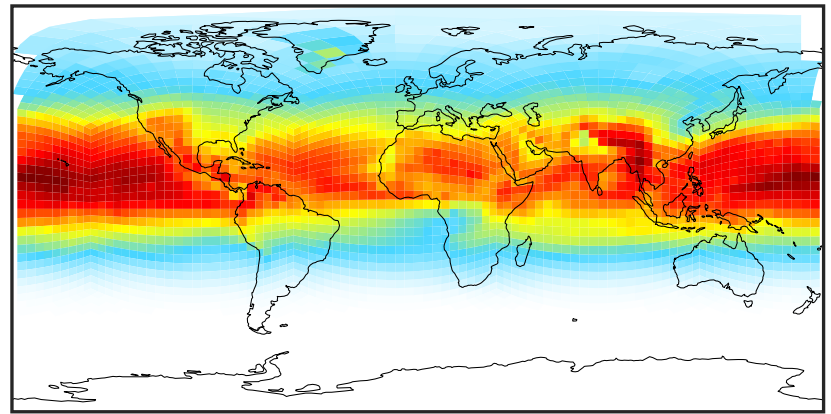
Jval_H1301 (Jul2019)

GCHP_14.0.0 (Ref)
c24



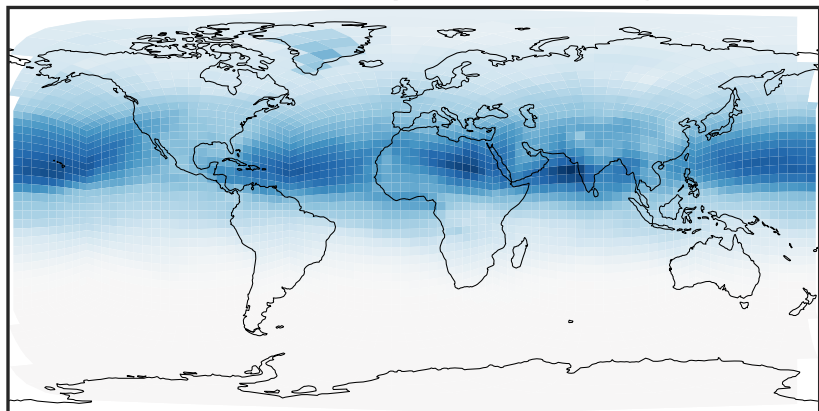
0.0 0.4 0.8 1.2
s-1 $1e-12$

GCHP_14.2.0 (Dev)
c24



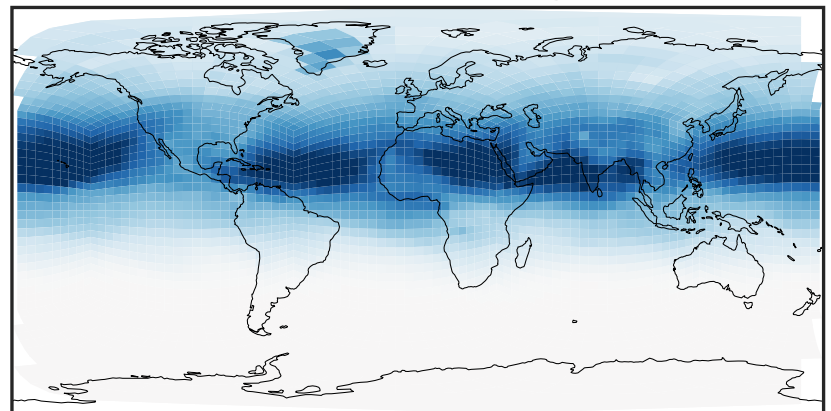
0.0 0.4 0.8 1.2
s-1 $1e-12$

Difference
Dev - Ref, Dynamic Range



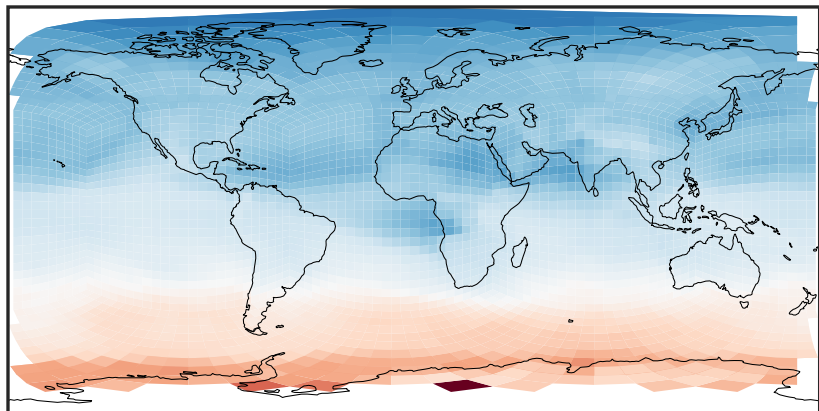
-5 0 5
s-1 $1e-14$

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



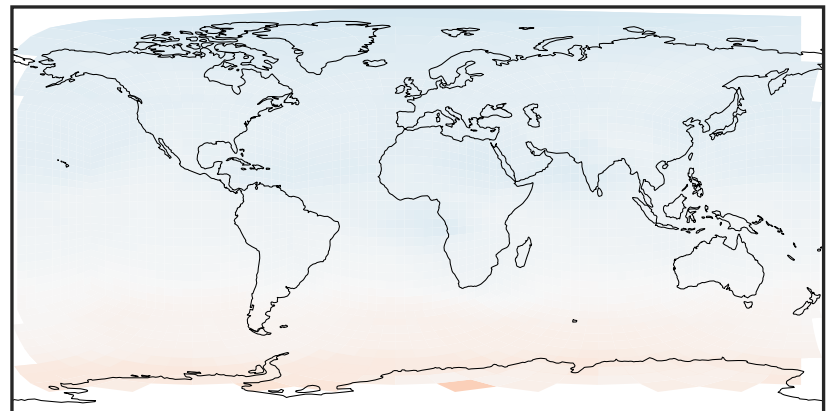
-4 0 4
s-1 $1e-14$

Ratio
Dev/Ref, Dynamic Range



0.8469 0.9235 1.0000 1.0904 1.1807
unitless

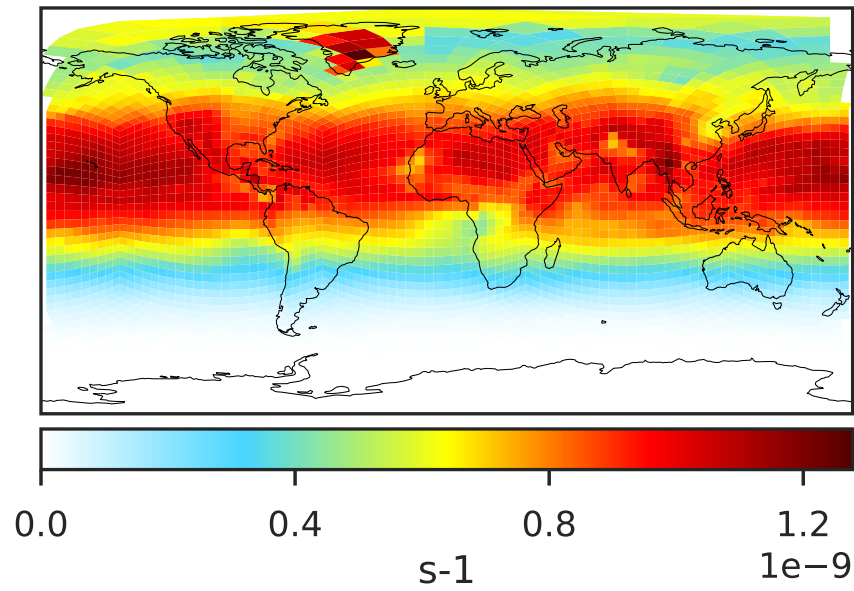
Ratio
Dev/Ref, Fixed Range



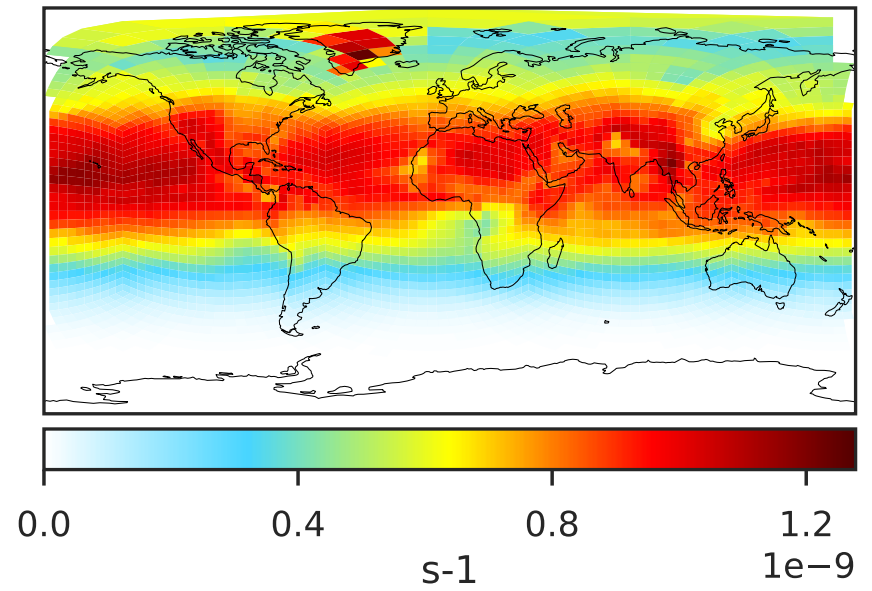
0.50 0.75 1.00 1.50 2.00
unitless

Jval_H2402 (Jul2019)

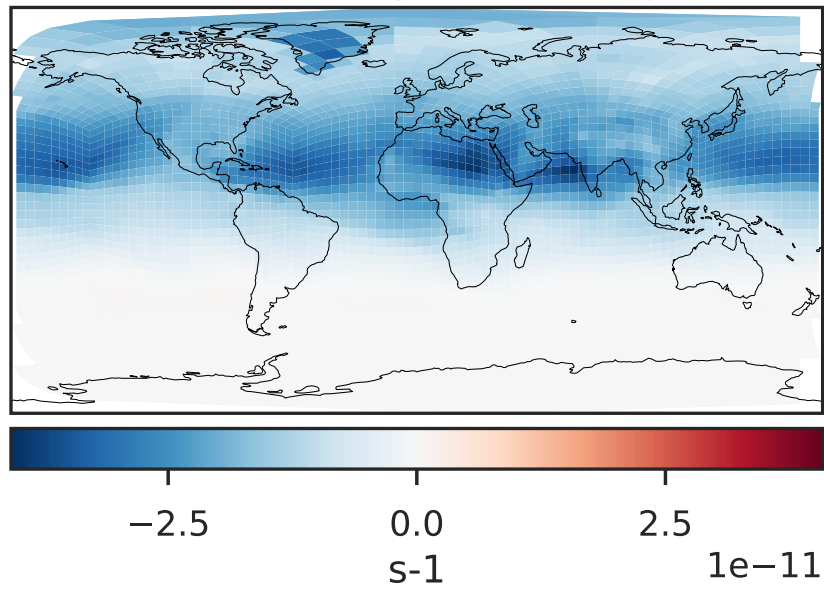
GCHP_14.0.0 (Ref)
c24



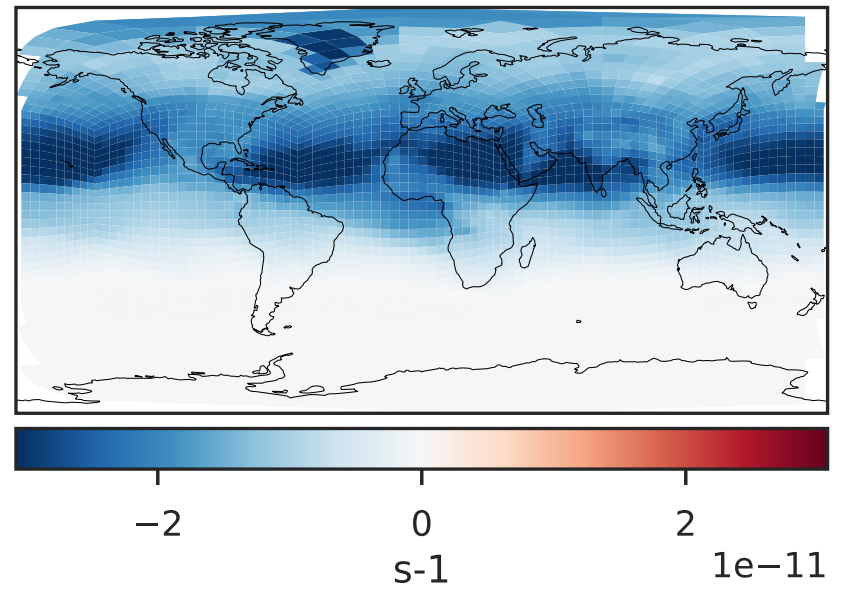
GCHP_14.2.0 (Dev)
c24



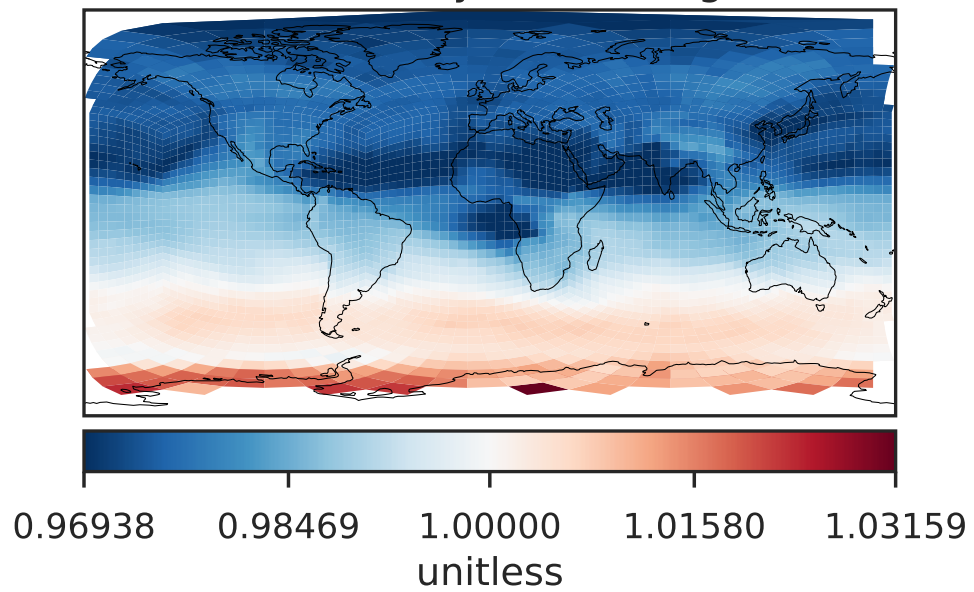
Difference
Dev - Ref, Dynamic Range



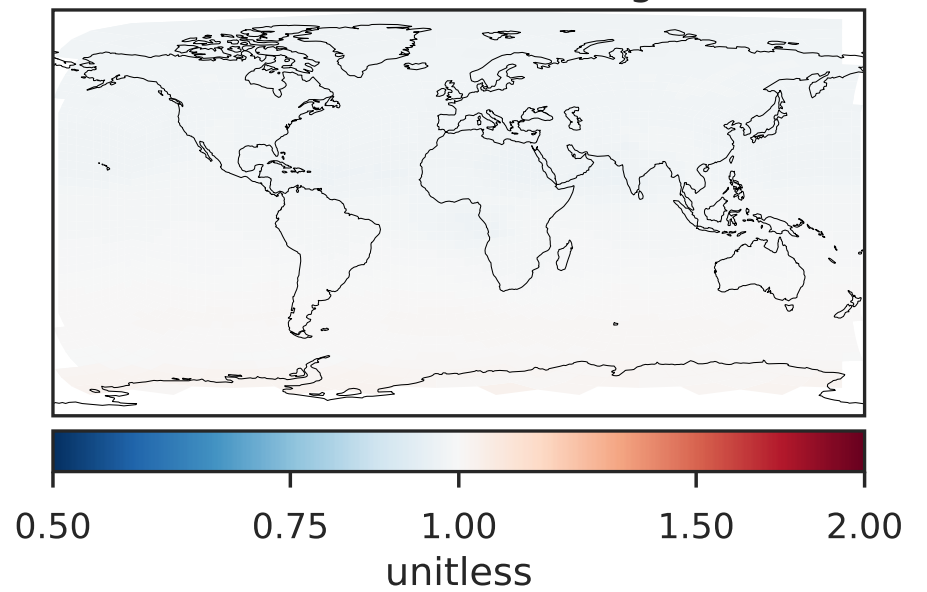
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

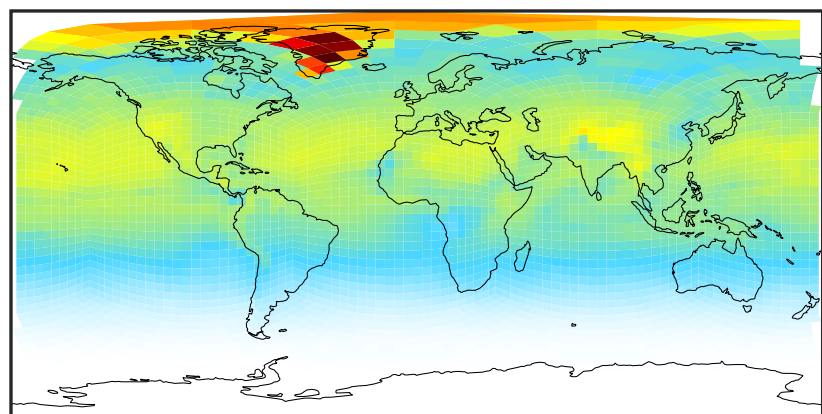


Ratio
Dev/Ref, Fixed Range



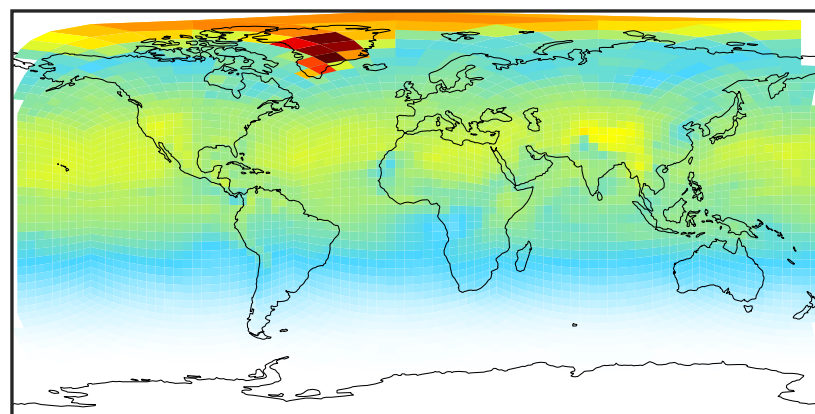
Jval_H2O2 (Jul2019)

GCHP_14.0.0 (Ref)
c24



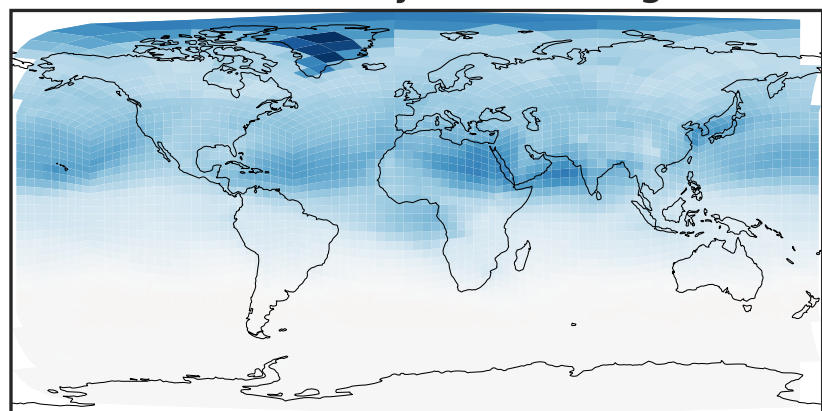
0.0 1.5 3.0 4.5
s-1 $1e-6$

GCHP_14.2.0 (Dev)
c24



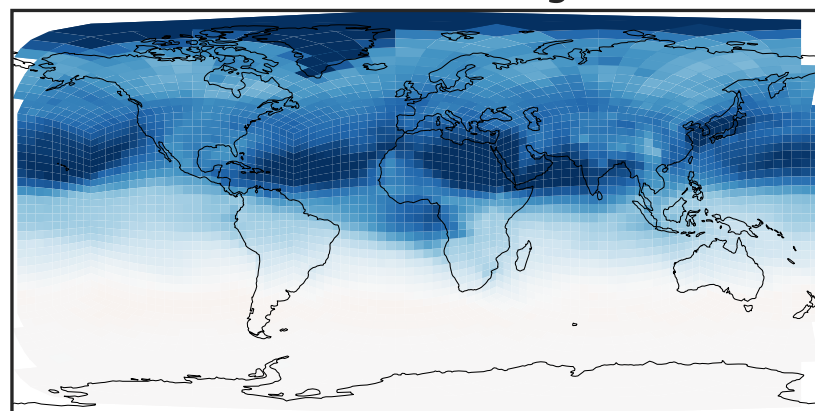
0.0 1.5 3.0 4.5
s-1 $1e-6$

Difference
Dev - Ref, Dynamic Range



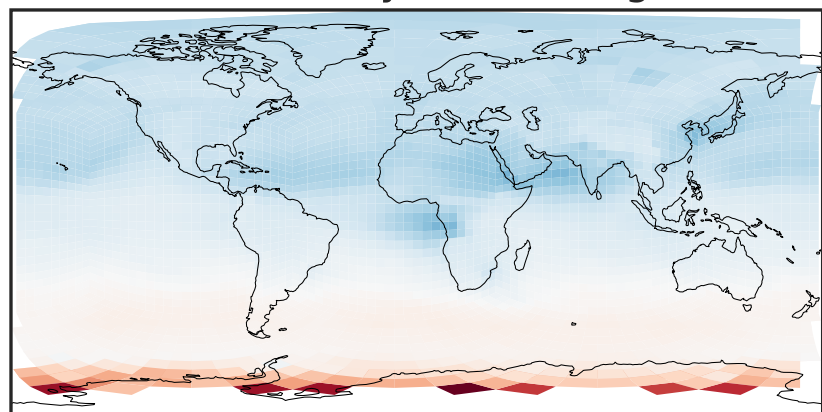
-2.5 0.0 2.5
s-1 $1e-8$

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



-1.5 0.0 1.5
s-1 $1e-8$

Ratio
Dev/Ref, Dynamic Range



0.96787 0.98394 1.00000 1.01660 1.03320
unitless

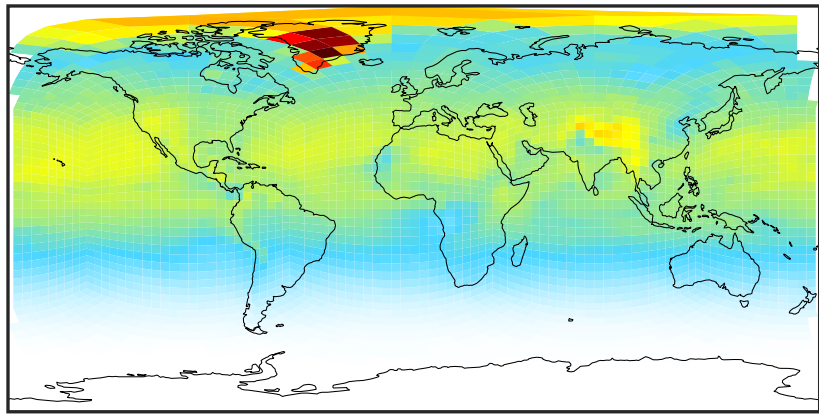
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

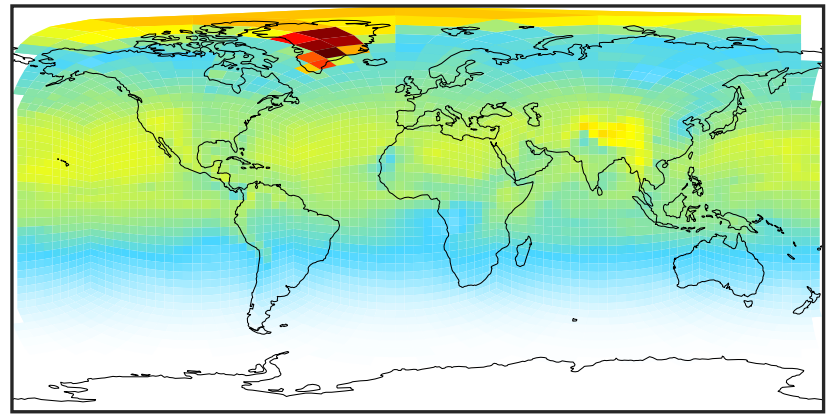
Jval_HAC (Jul2019)

GCHP_14.0.0 (Ref)
c24



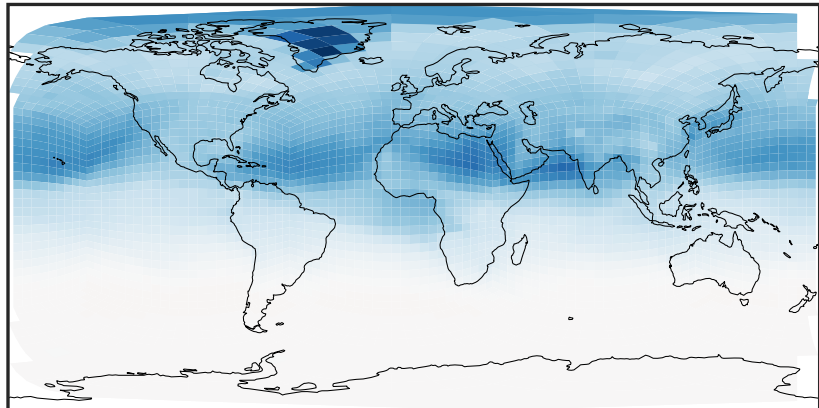
0.0 0.5 1.0 1.5
s-1 $1e-6$

GCHP_14.2.0 (Dev)
c24



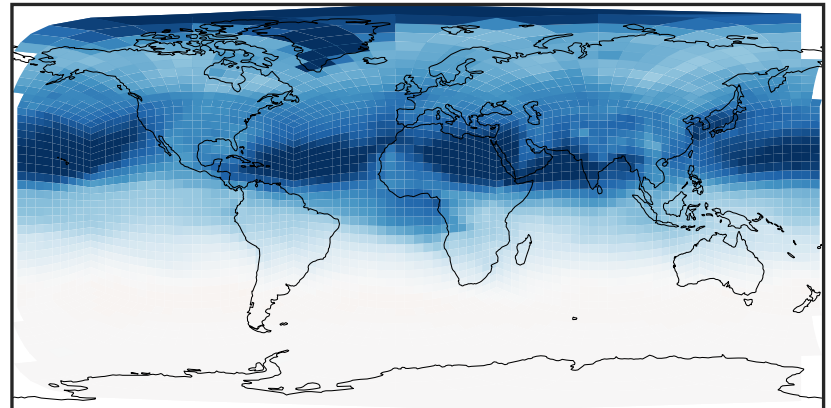
0.0 0.5 1.0 1.5
s-1 $1e-6$

Difference
Dev - Ref, Dynamic Range



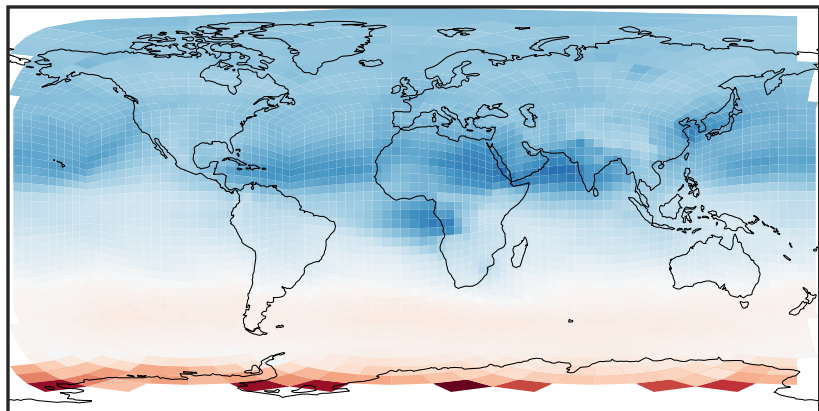
-1 0 1
s-1 $1e-8$

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



-6 0 6
s-1 $1e-9$

Ratio
Dev/Ref, Dynamic Range



0.96985 0.98492 1.00000 1.01554 1.03109
unitless

Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

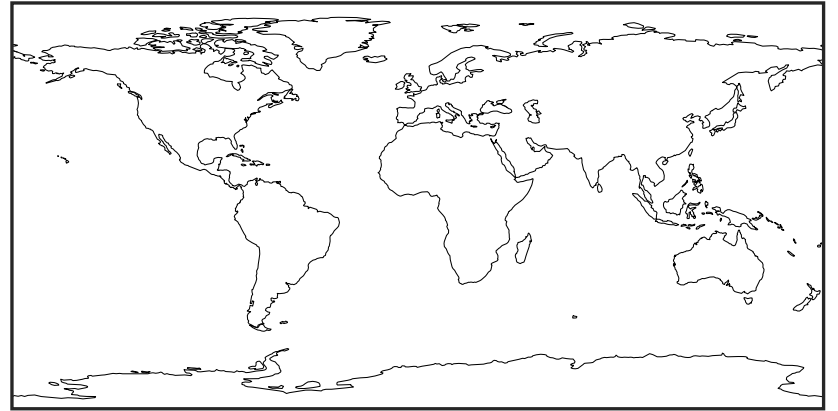
Jval_HC5A (Jul2019)

GCHP_14.0.0 (Ref)
c24



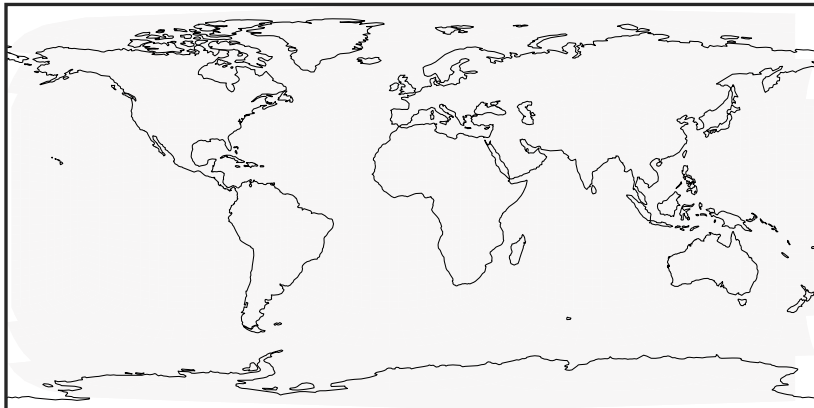
Zero throughput domain
s-1

GCHP_14.2.0 (Dev)
c24



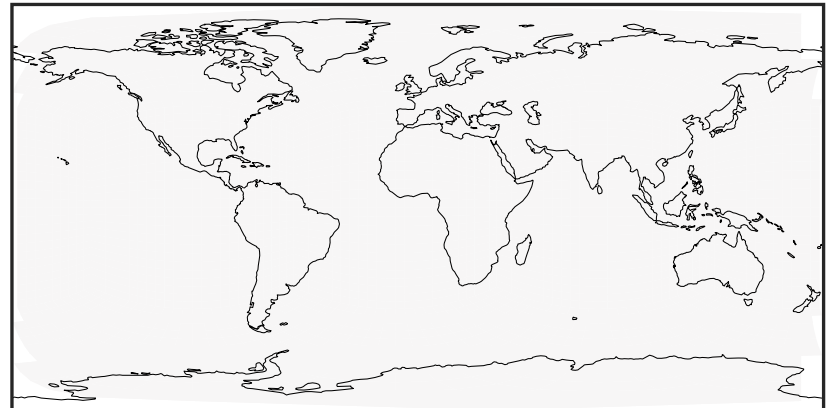
Zero throughput domain
s-1

Difference
Dev - Ref, Dynamic Range



Zero throughput domain
s-1

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



Zero throughput domain
s-1

Ratio
Dev/Ref, Dynamic Range



Undefined throughput domain
unitless

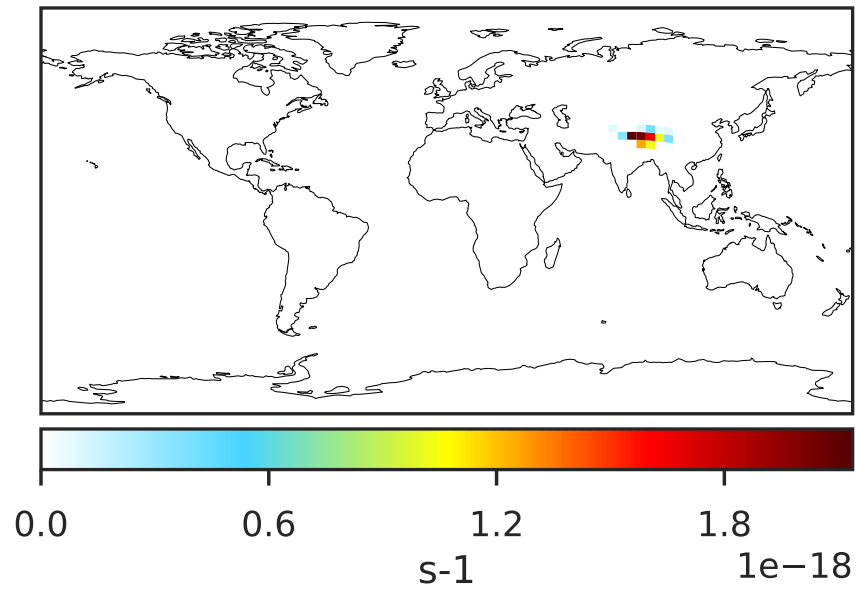
Ratio
Dev/Ref, Fixed Range



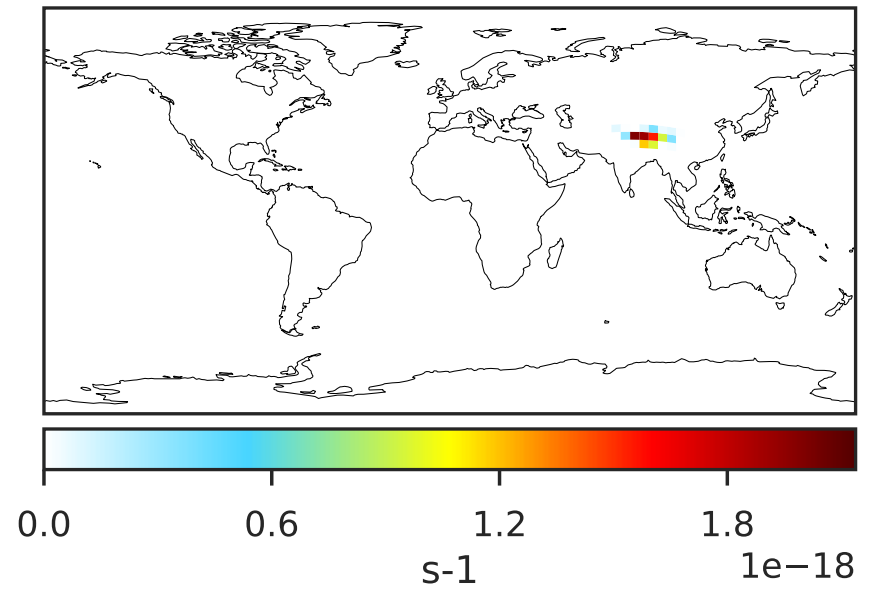
Undefined throughput domain
unitless

Jval_HCFC123 (Jul2019)

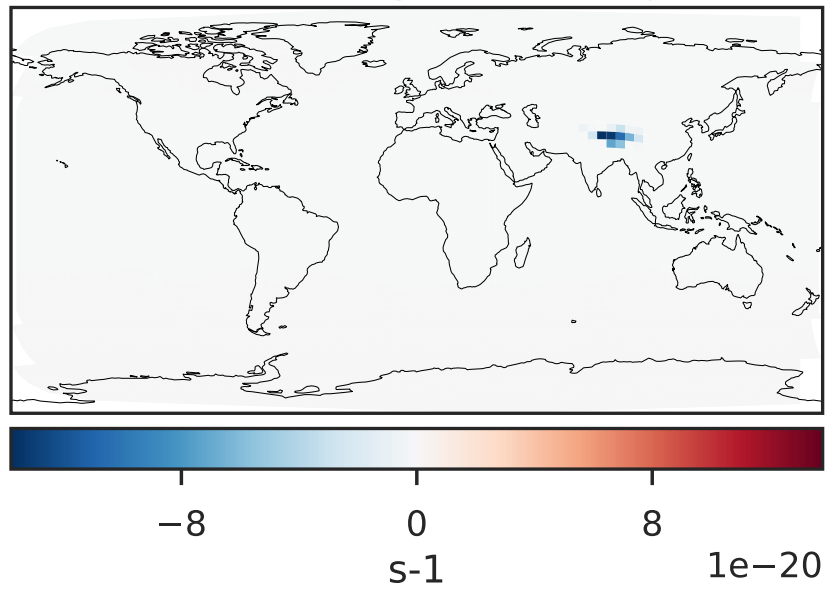
GCHP_14.0.0 (Ref)
c24



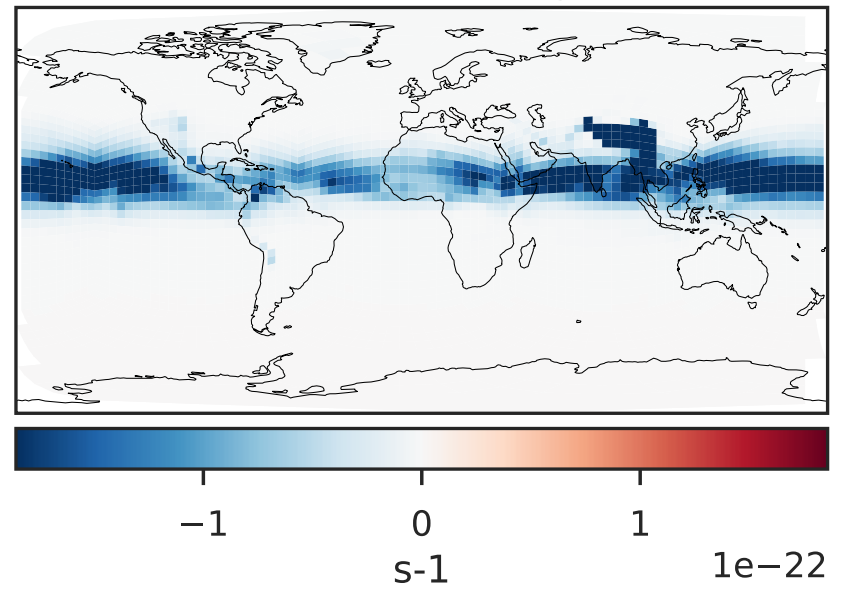
GCHP_14.2.0 (Dev)
c24



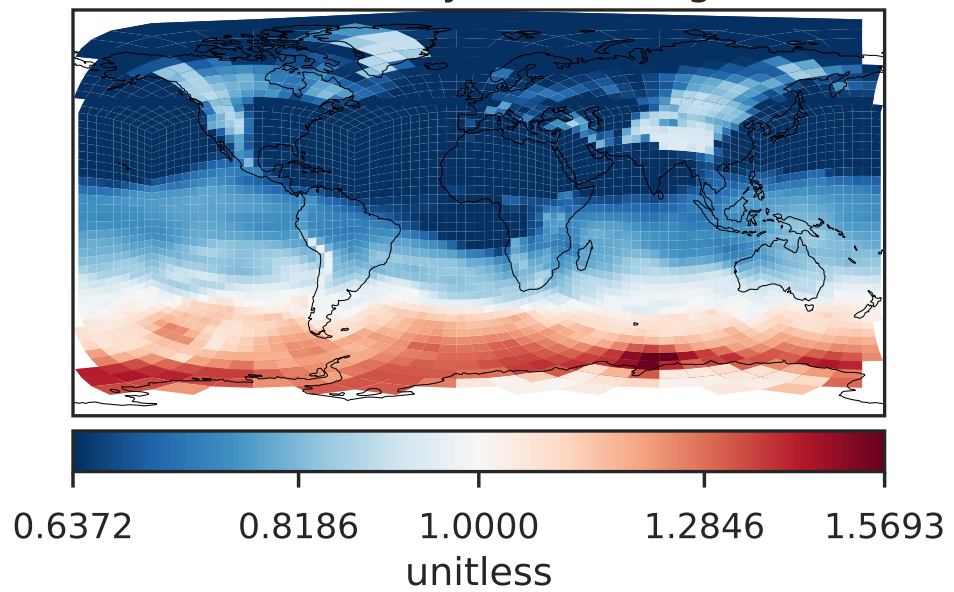
Difference
Dev - Ref, Dynamic Range



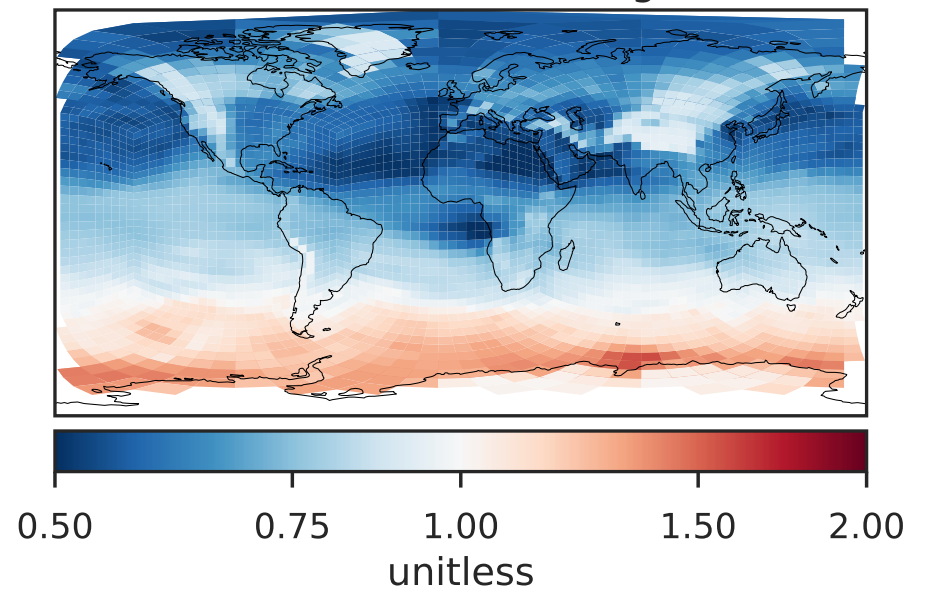
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

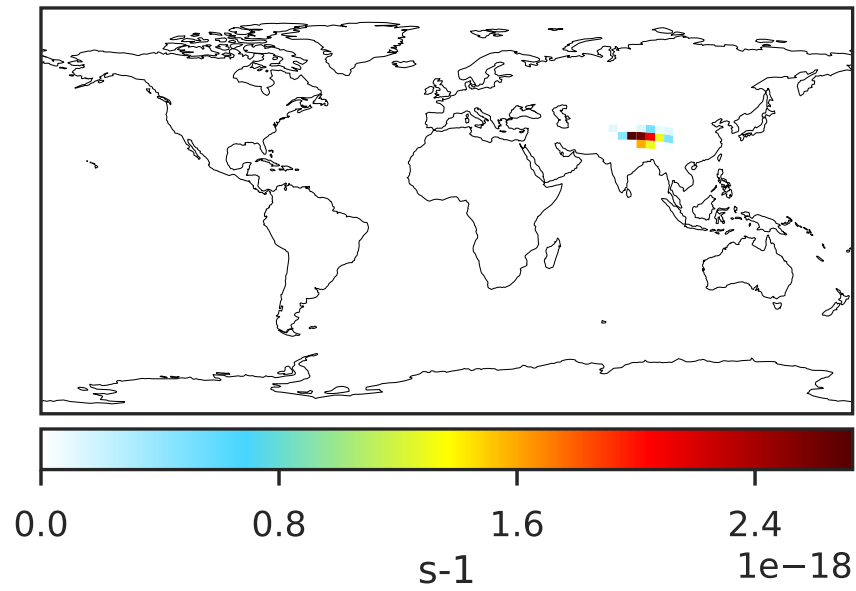


Ratio
Dev/Ref, Fixed Range

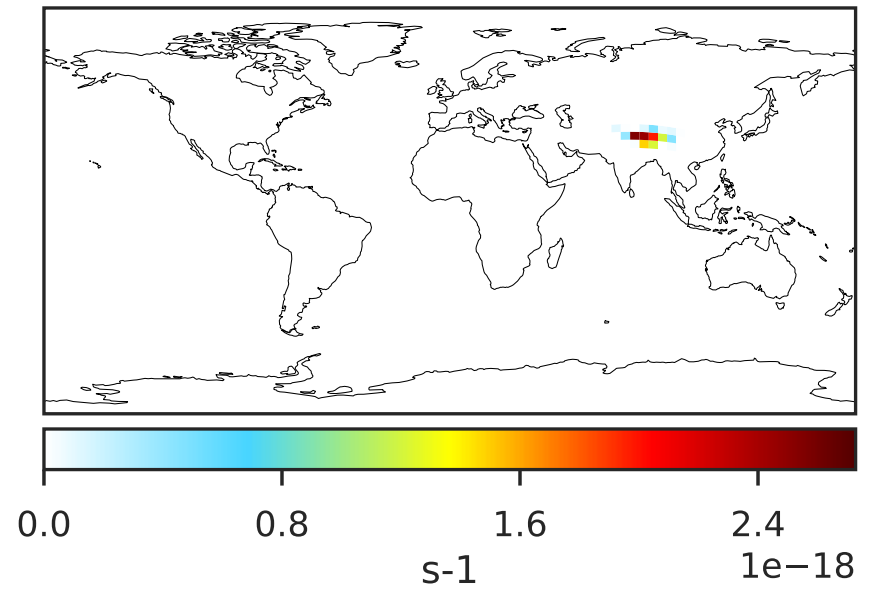


Jval_HCFC141b (Jul2019)

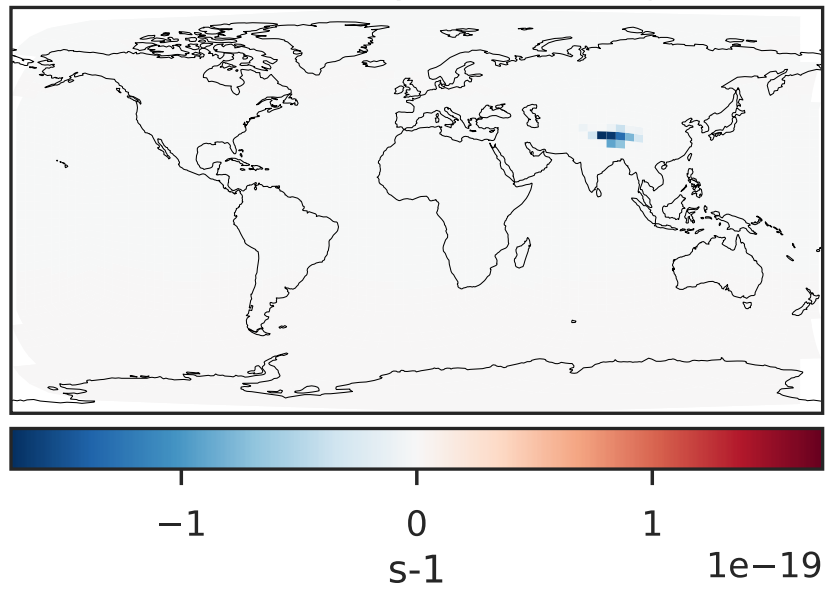
GCHP_14.0.0 (Ref)
c24



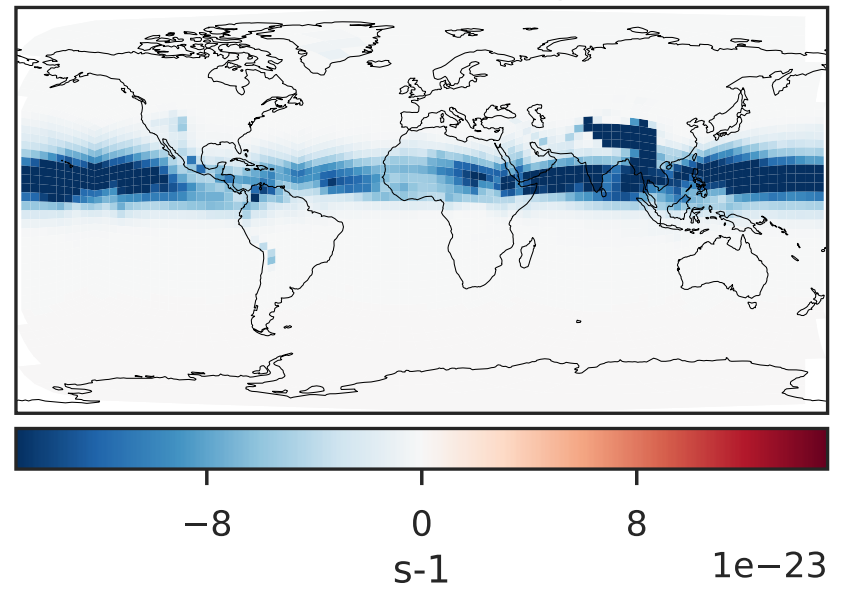
GCHP_14.2.0 (Dev)
c24



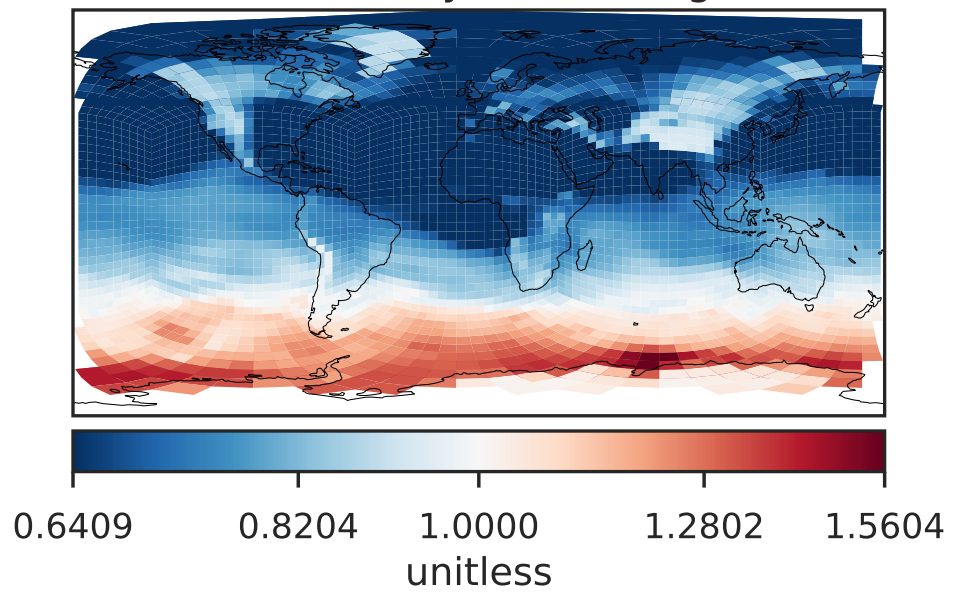
Difference
Dev - Ref, Dynamic Range



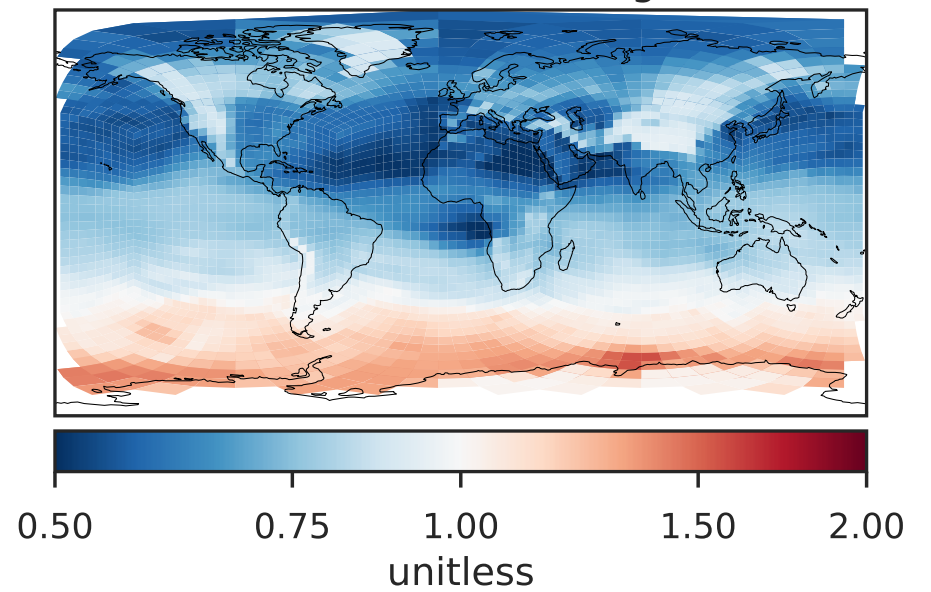
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

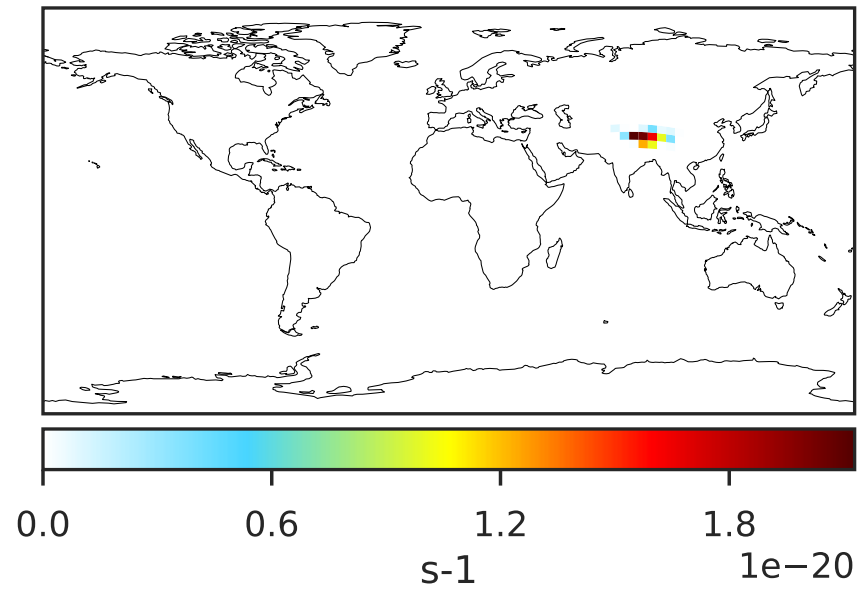


Ratio
Dev/Ref, Fixed Range

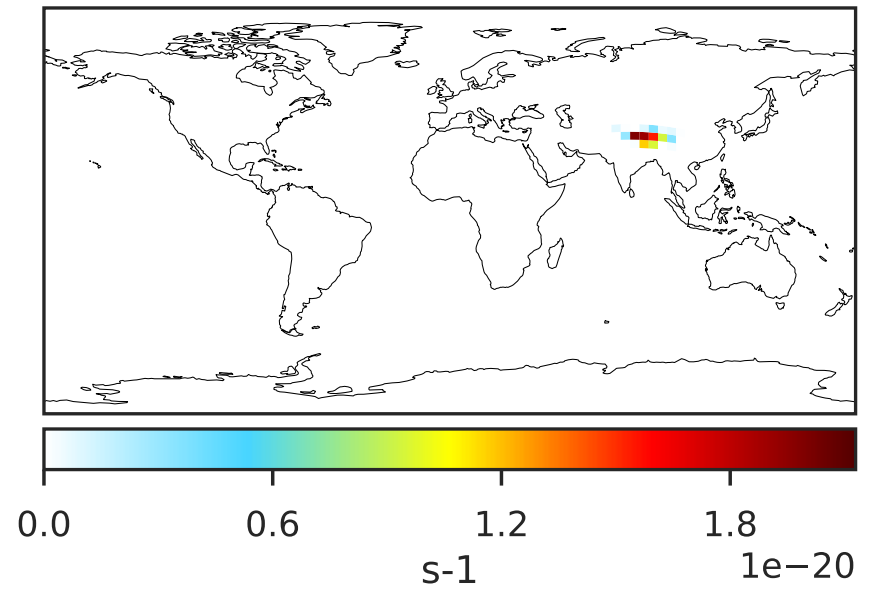


Jval_HCFC142b (Jul2019)

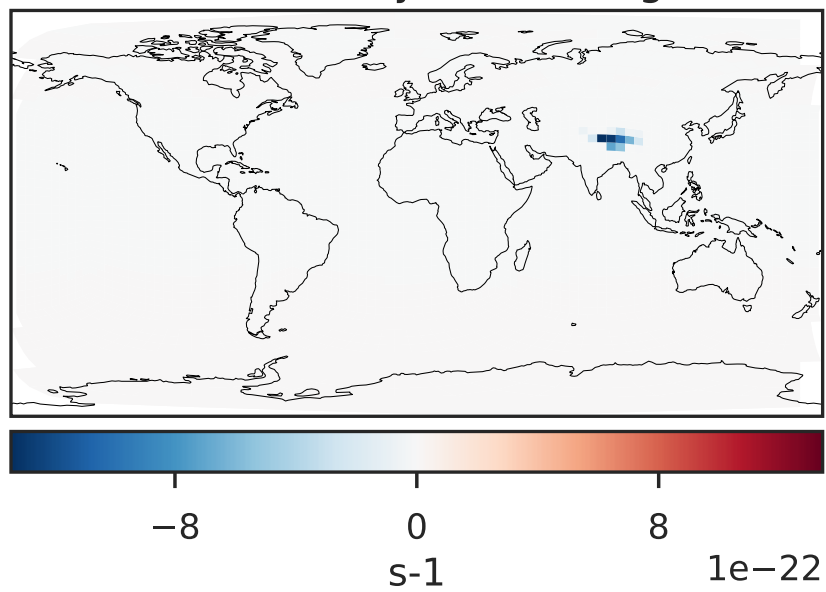
GCHP_14.0.0 (Ref)
c24



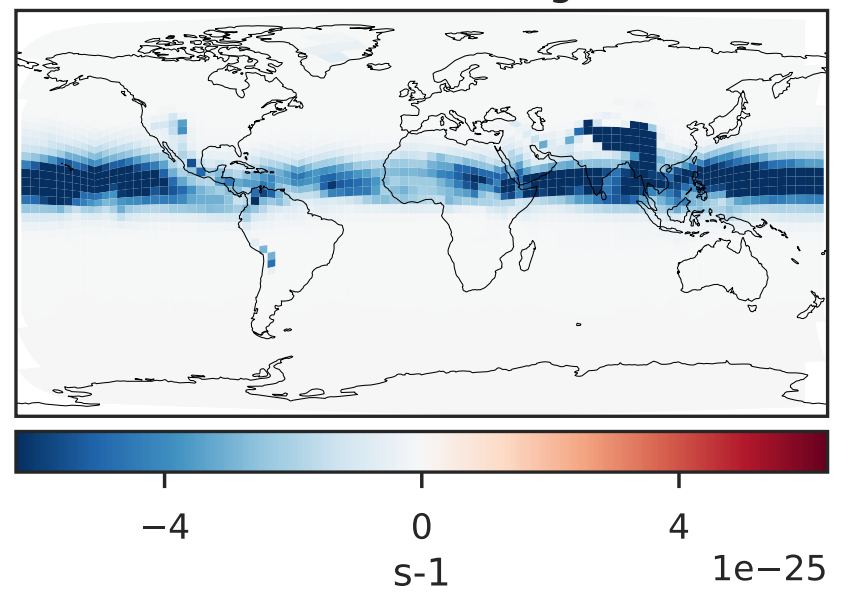
GCHP_14.2.0 (Dev)
c24



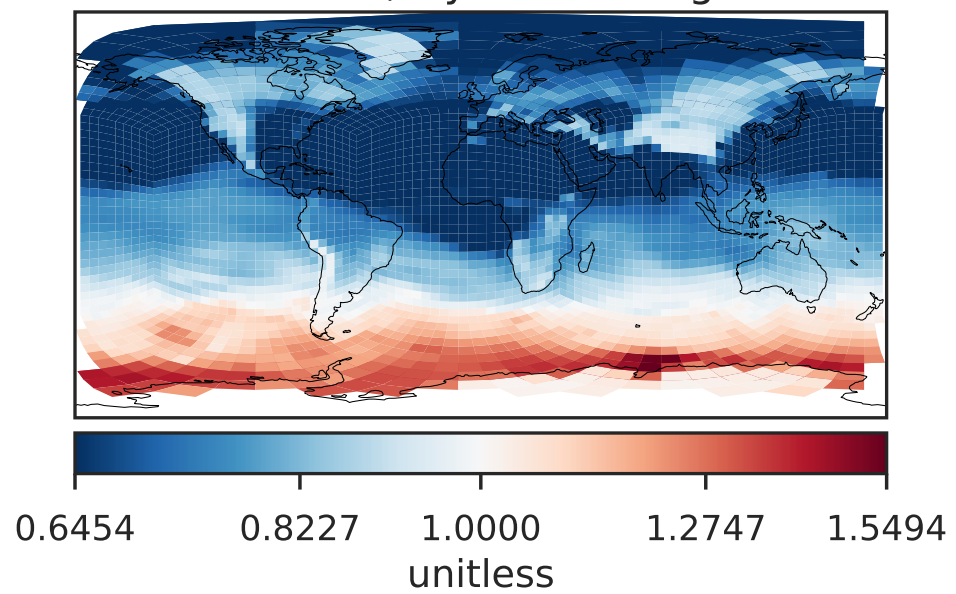
Difference
Dev - Ref, Dynamic Range



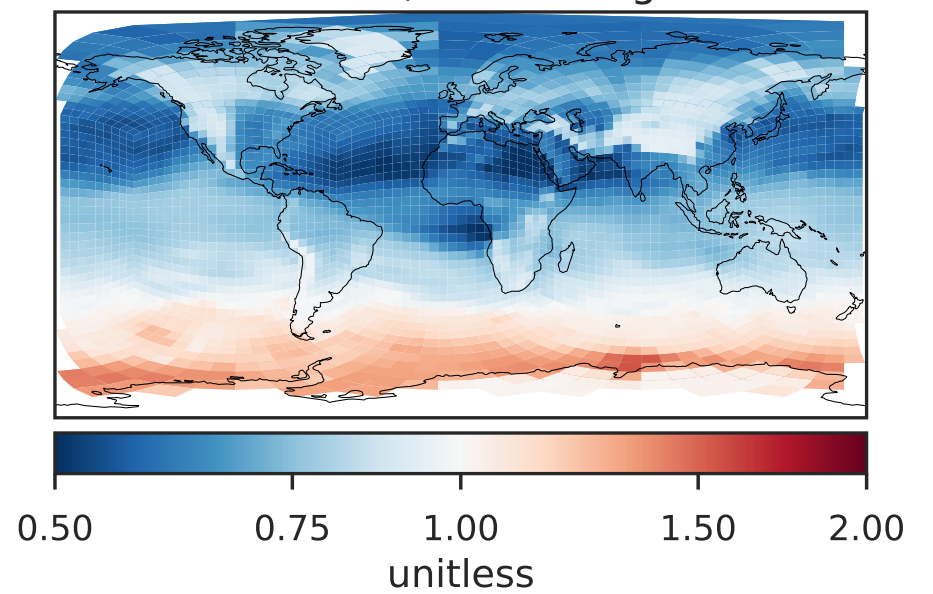
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

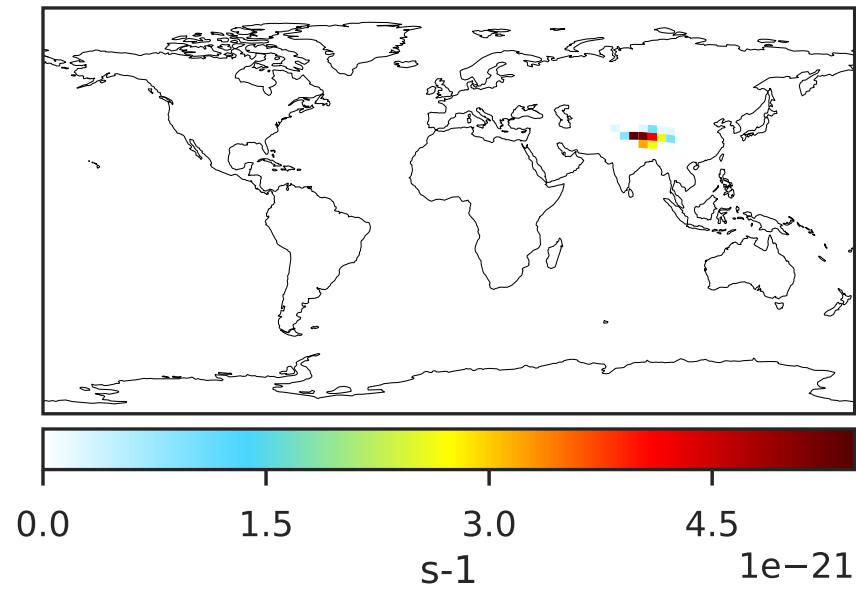


Ratio
Dev/Ref, Fixed Range

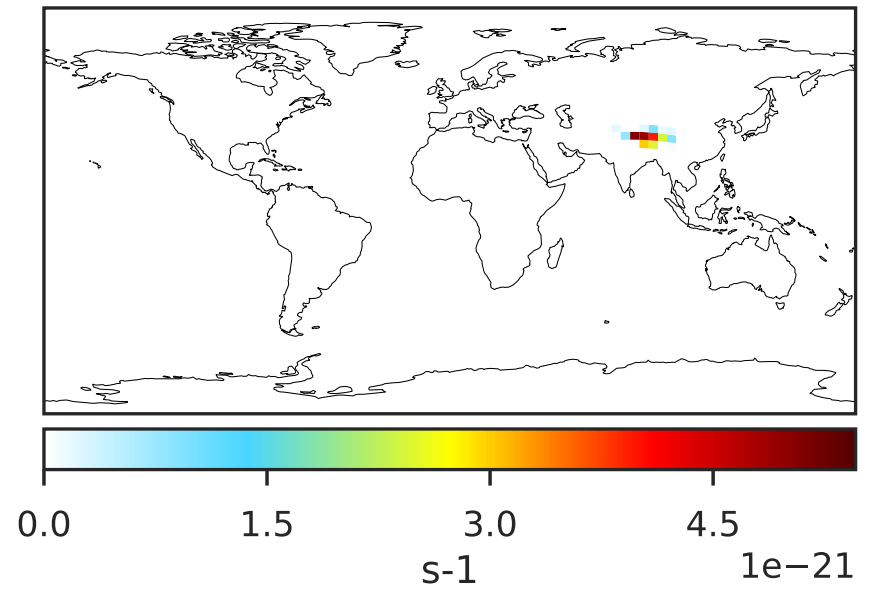


Jval_HCFC22 (Jul2019)

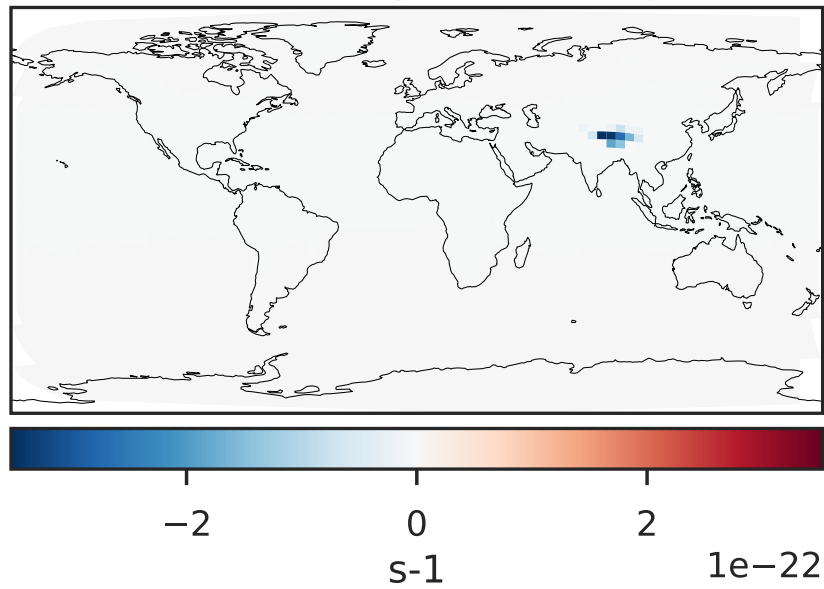
GCHP_14.0.0 (Ref)
c24



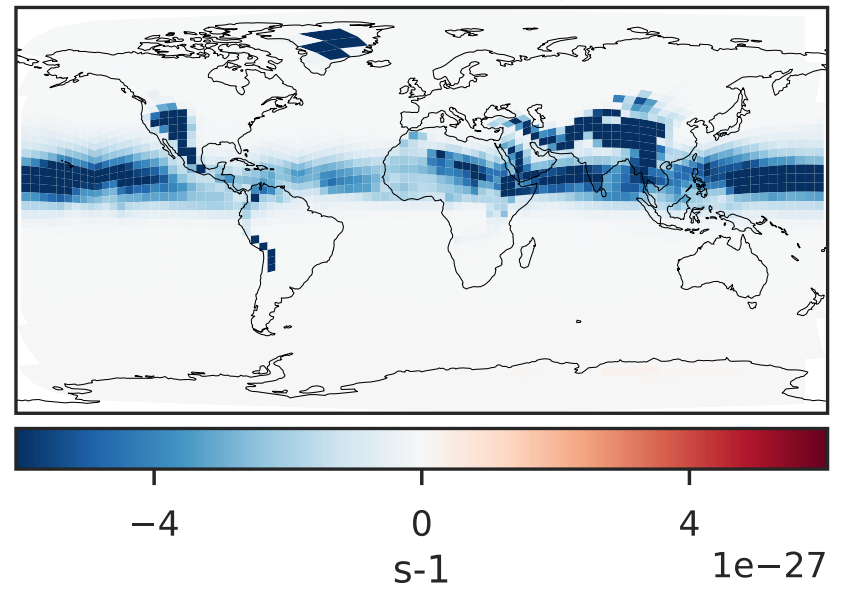
GCHP_14.2.0 (Dev)
c24



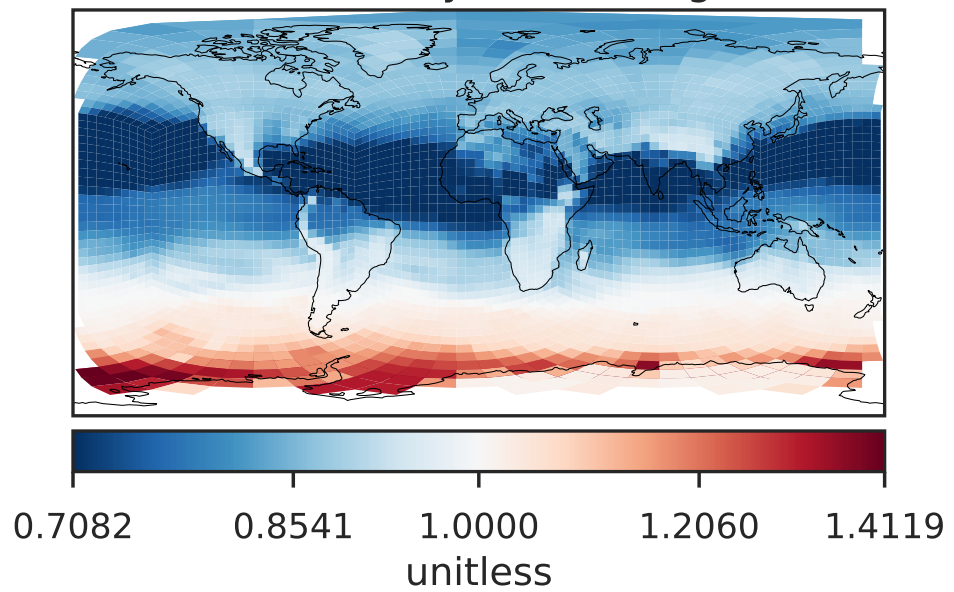
Difference
Dev - Ref, Dynamic Range



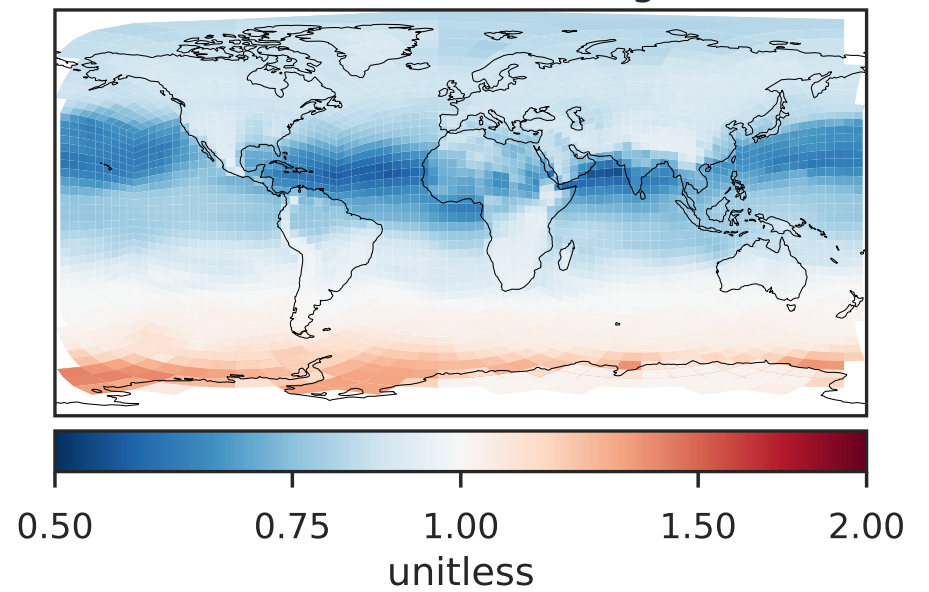
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

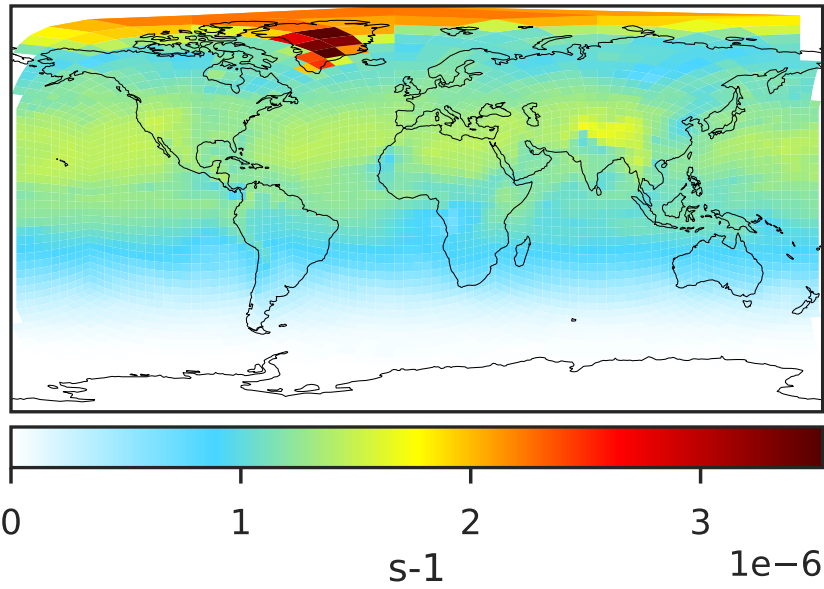


Ratio
Dev/Ref, Fixed Range

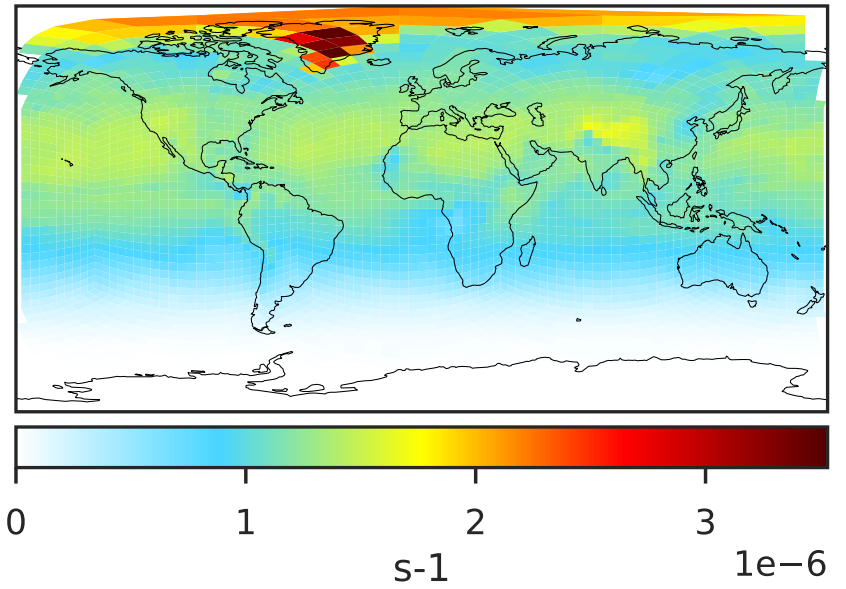


Jval_HMHP (Jul2019)

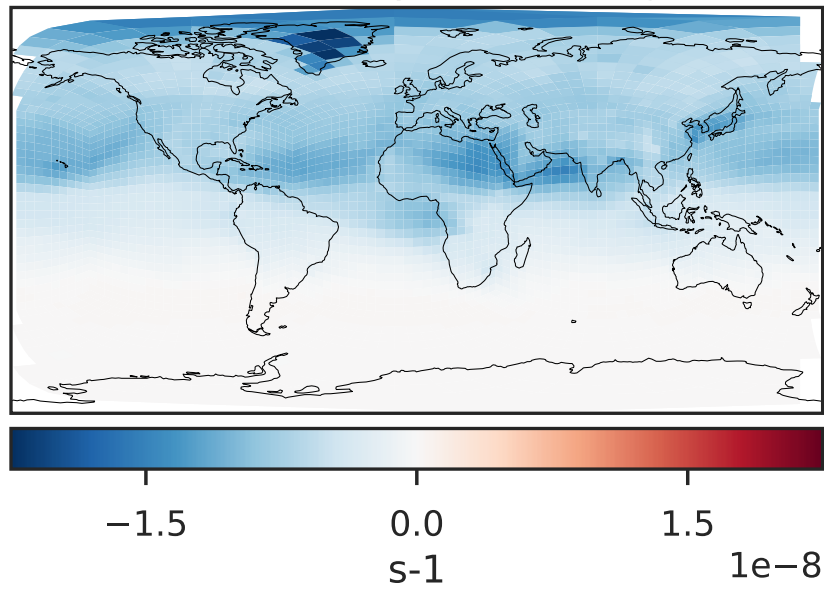
GCHP_14.0.0 (Ref)
c24



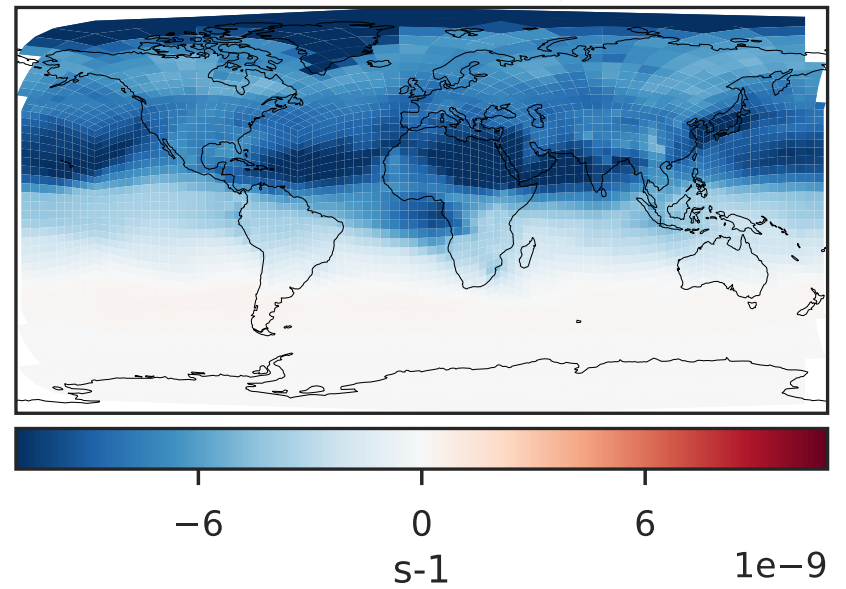
GCHP_14.2.0 (Dev)
c24



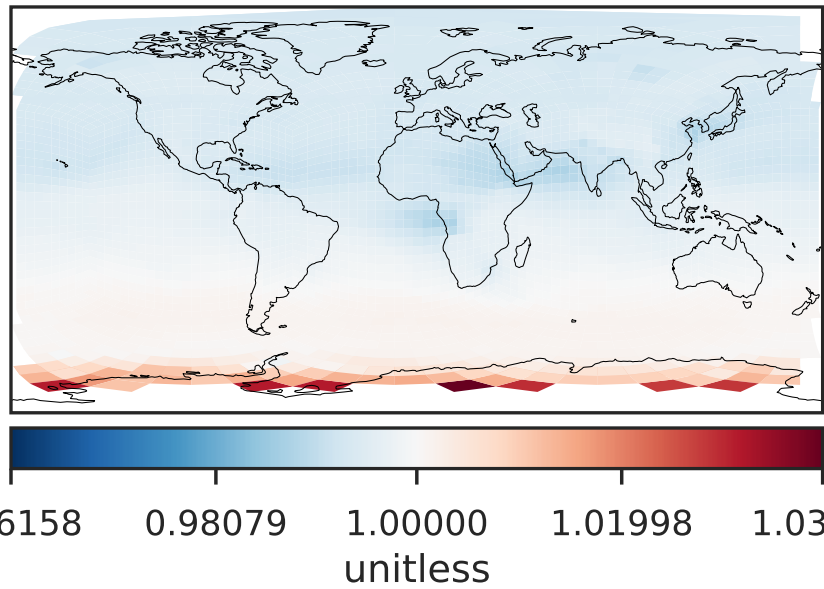
Difference
Dev - Ref, Dynamic Range



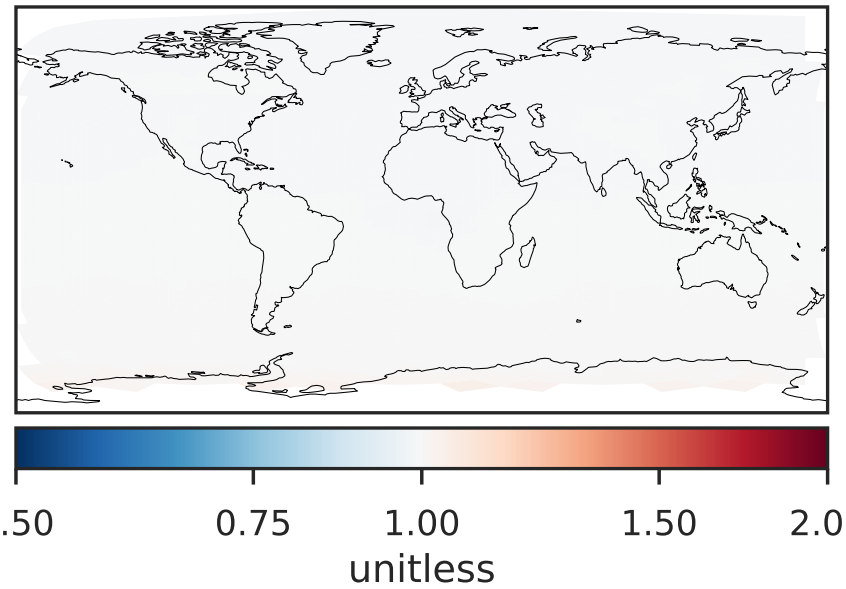
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

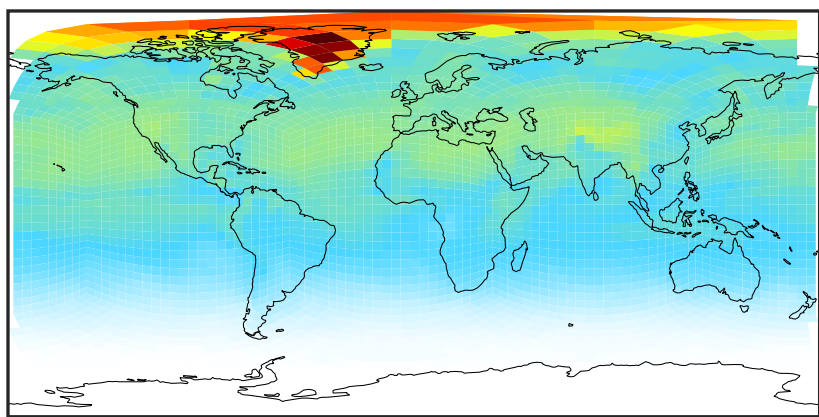


Ratio
Dev/Ref, Fixed Range



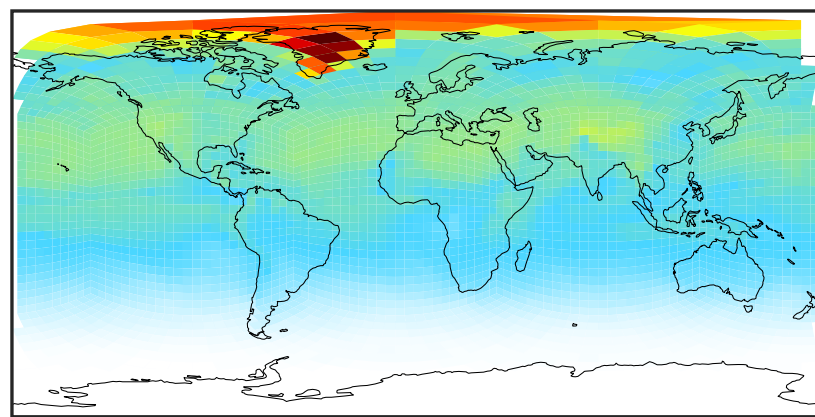
Jval_HNO2 (Jul2019)

GCHP_14.0.0 (Ref)
c24



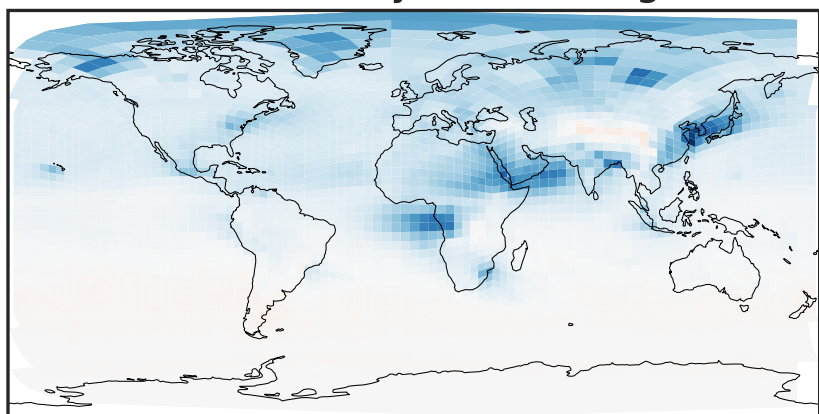
0.0000 0.0005 0.0010 0.0015
s-1

GCHP_14.2.0 (Dev)
c24



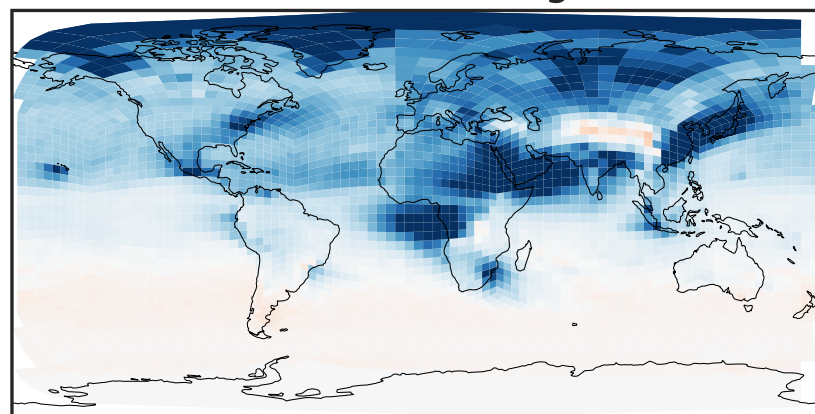
0.0000 0.0005 0.0010 0.0015
s-1

Difference
Dev - Ref, Dynamic Range



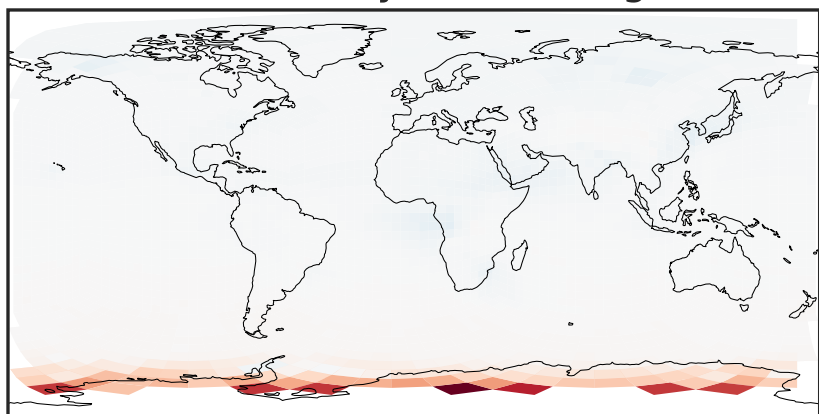
-1.5 0.0 1.5
s-1 1e-6

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



-5 0 5
s-1 1e-7

Ratio
Dev/Ref, Dynamic Range



0.9498 0.9749 1.0000 1.0264 1.0529
unitless

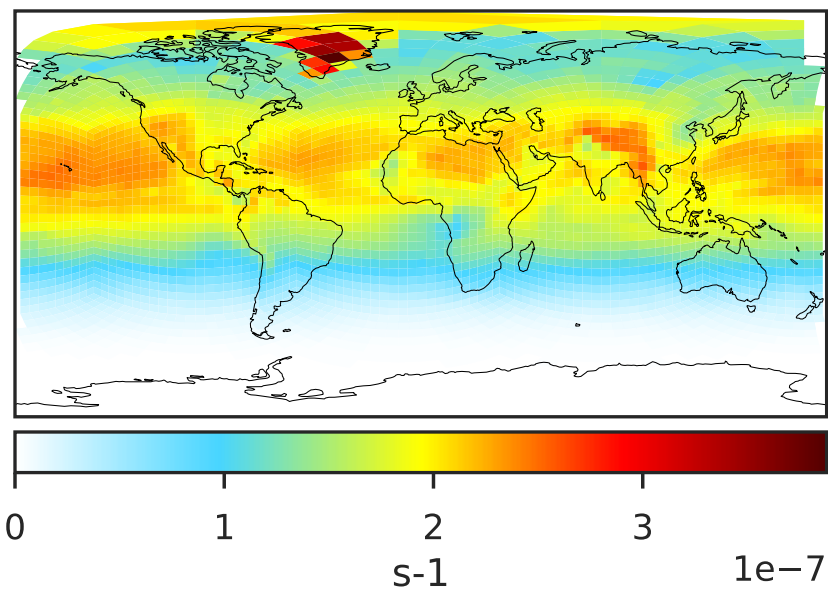
Ratio
Dev/Ref, Fixed Range



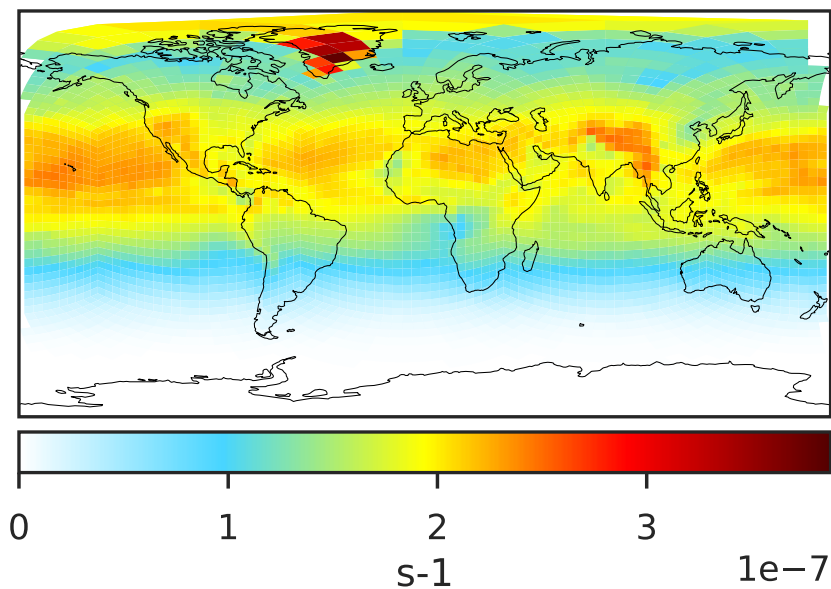
0.50 0.75 1.00 1.50 2.00
unitless

Jval_HNO3 (Jul2019)

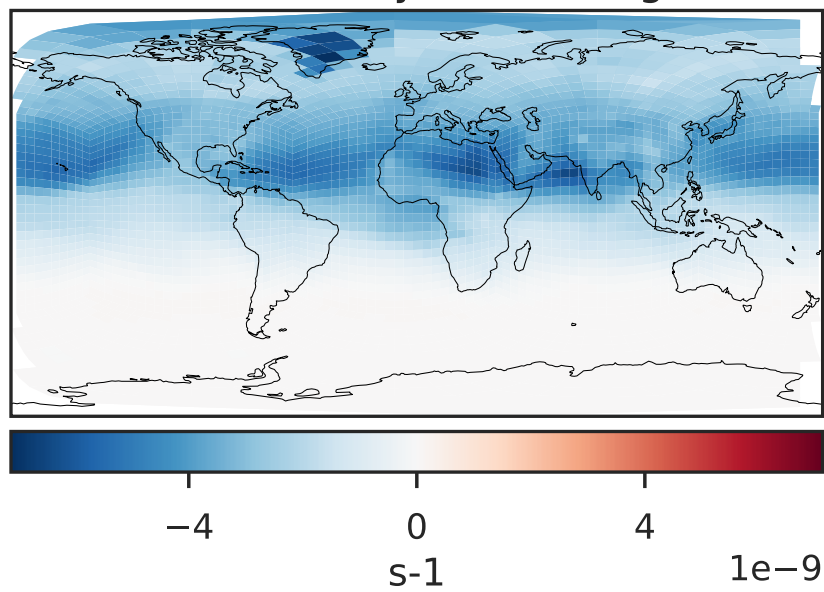
GCHP_14.0.0 (Ref)
c24



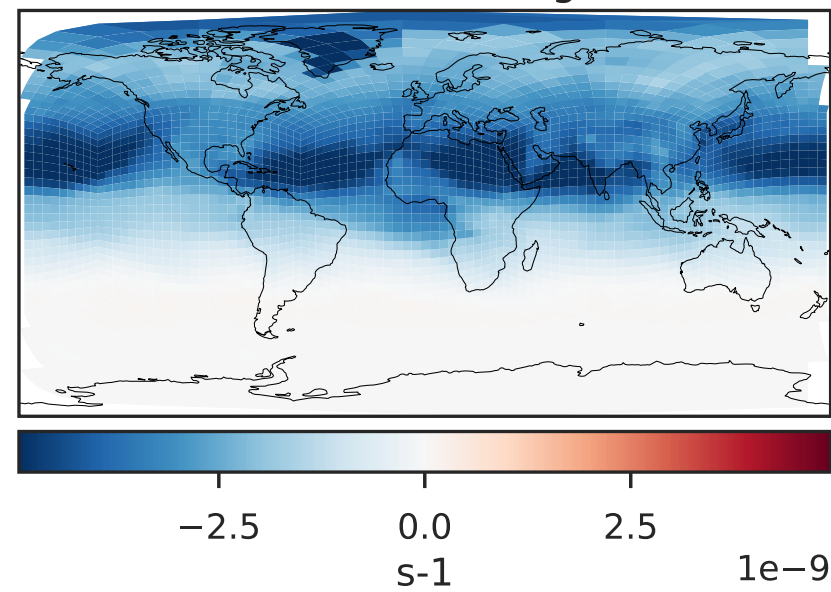
GCHP_14.2.0 (Dev)
c24



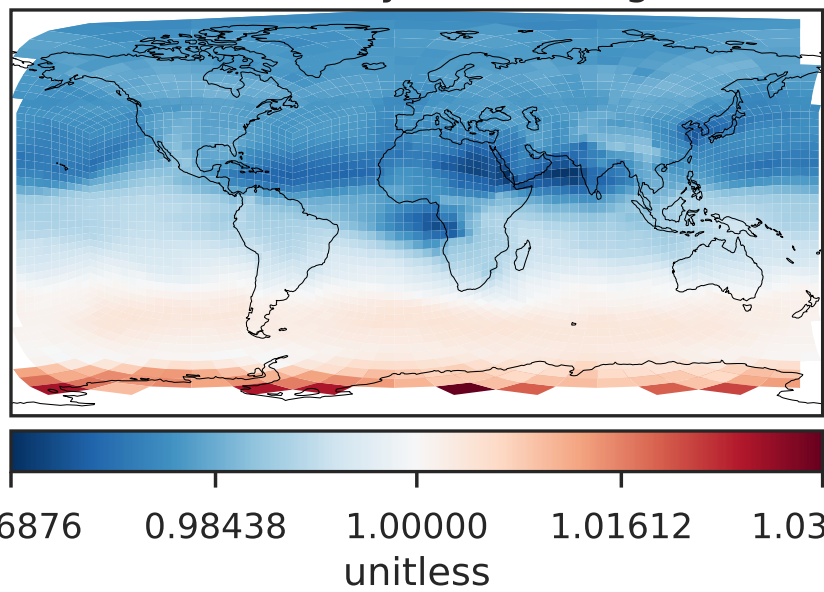
Difference
Dev - Ref, Dynamic Range



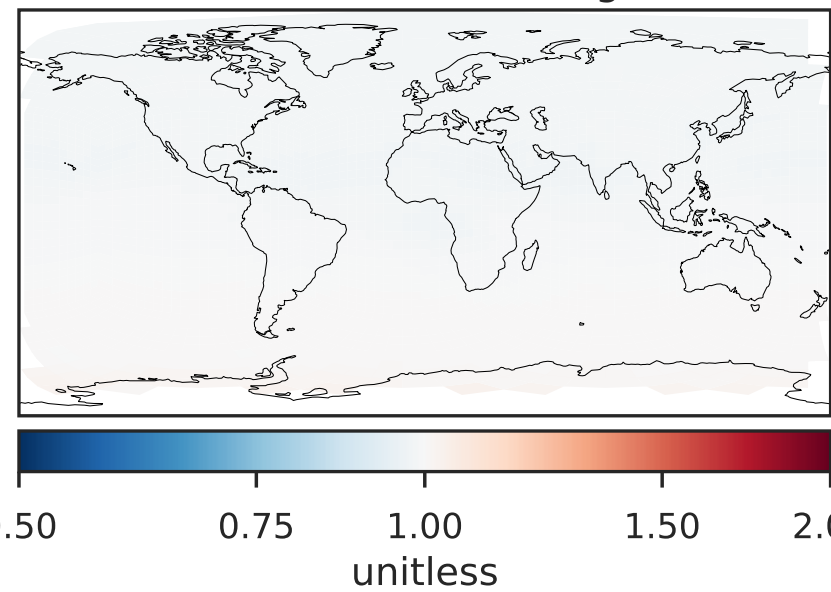
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

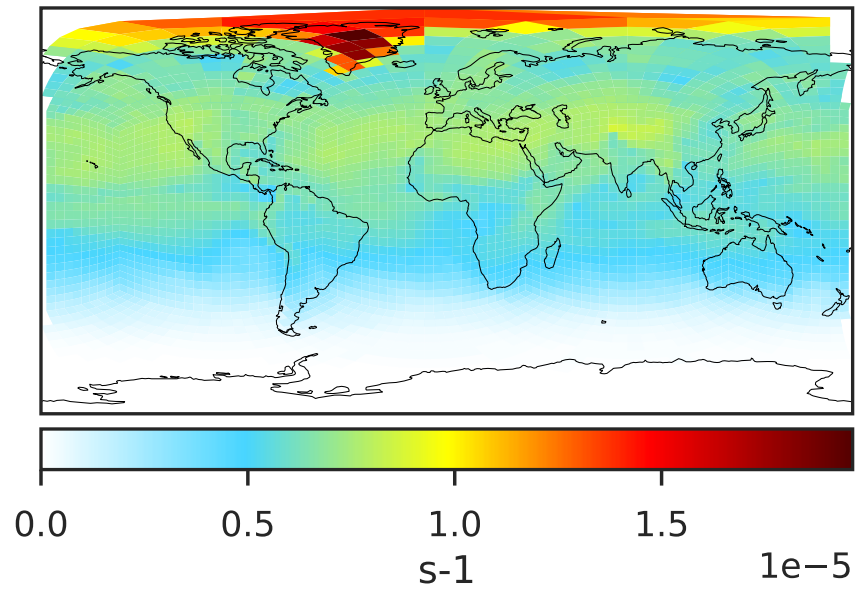


Ratio
Dev/Ref, Fixed Range

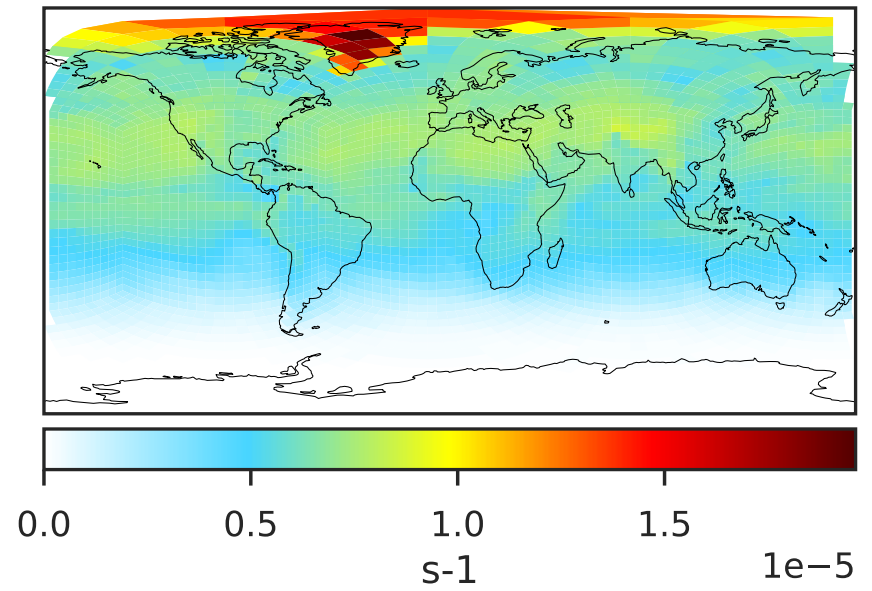


Jval_HNO4 (Jul2019)

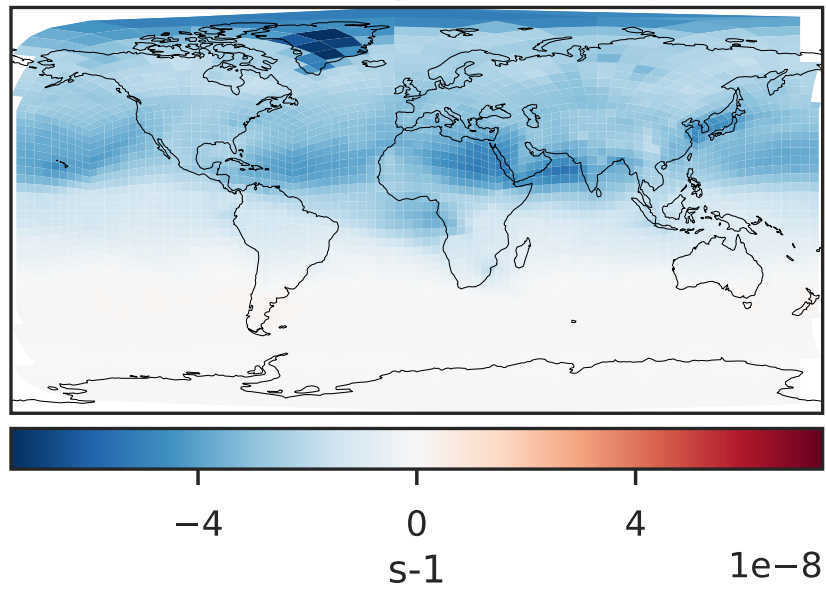
GCHP_14.0.0 (Ref)
c24



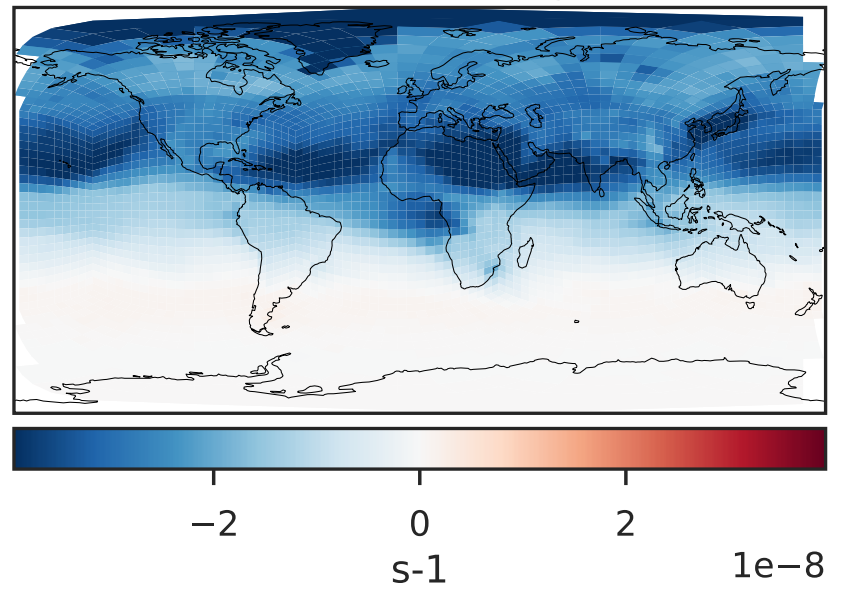
GCHP_14.2.0 (Dev)
c24



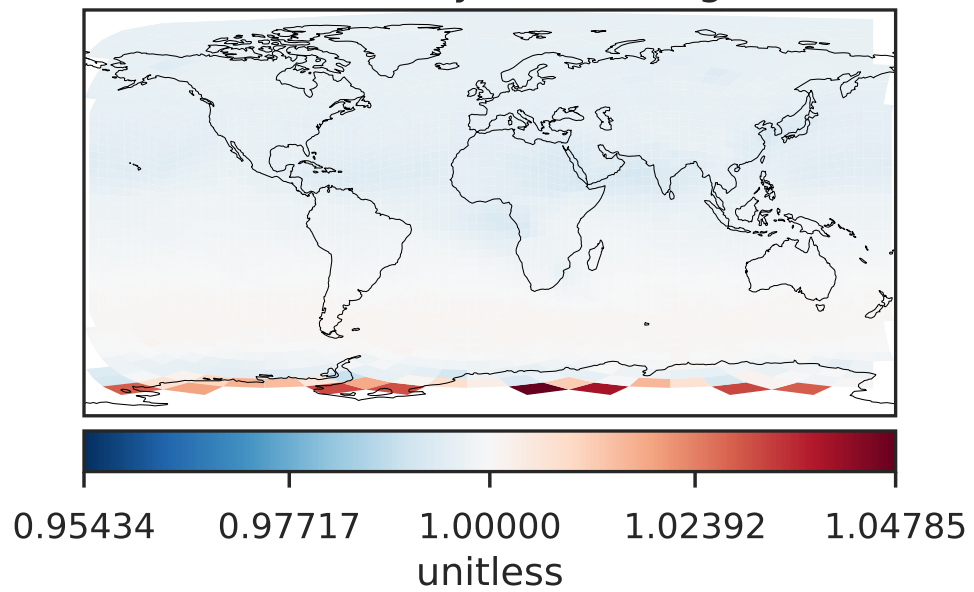
Difference
Dev - Ref, Dynamic Range



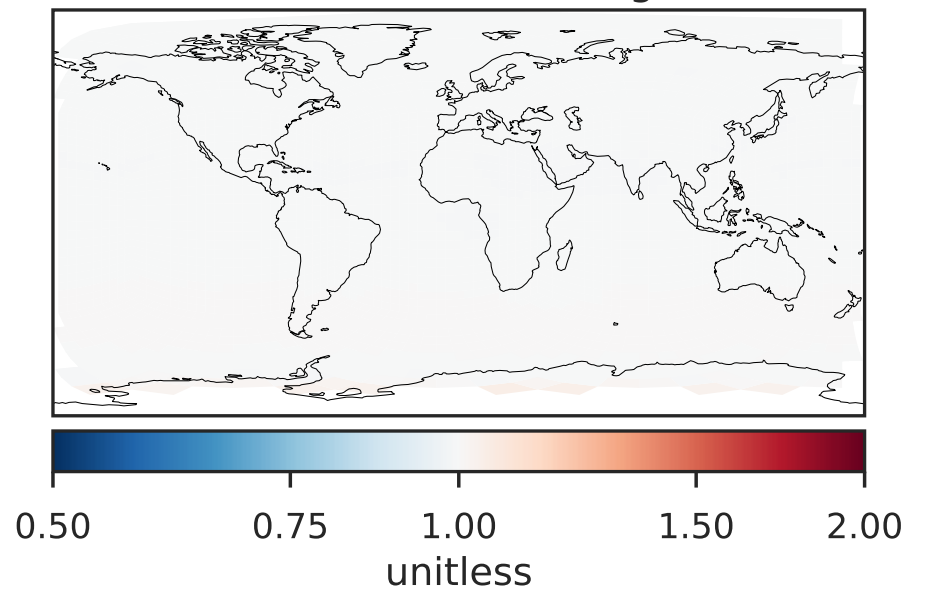
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

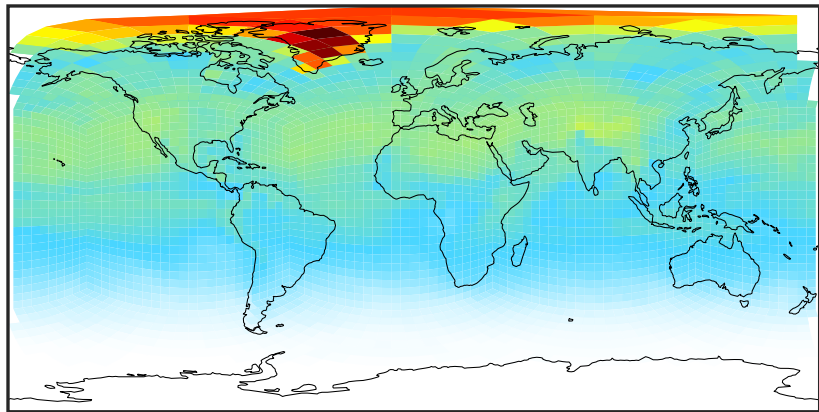


Ratio
Dev/Ref, Fixed Range



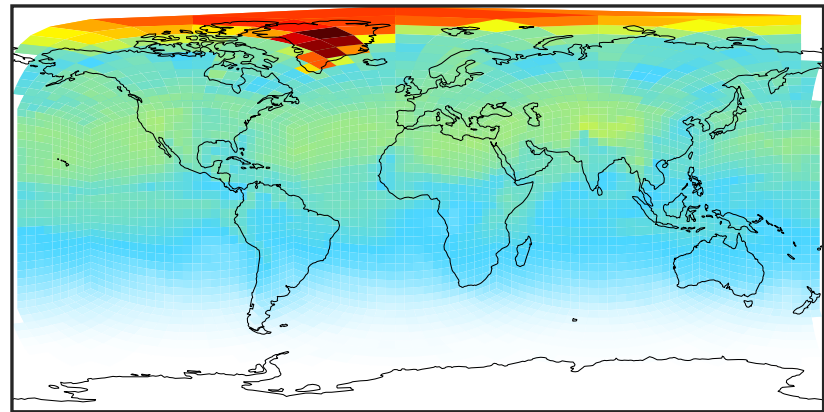
Jval_HOBr (Jul2019)

GCHP_14.0.0 (Ref)
c24



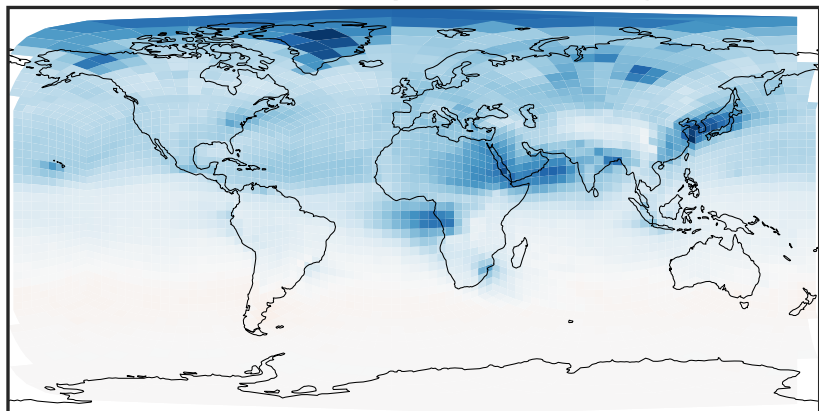
0.0000 0.0008 0.0016 0.0024
s-1

GCHP_14.2.0 (Dev)
c24



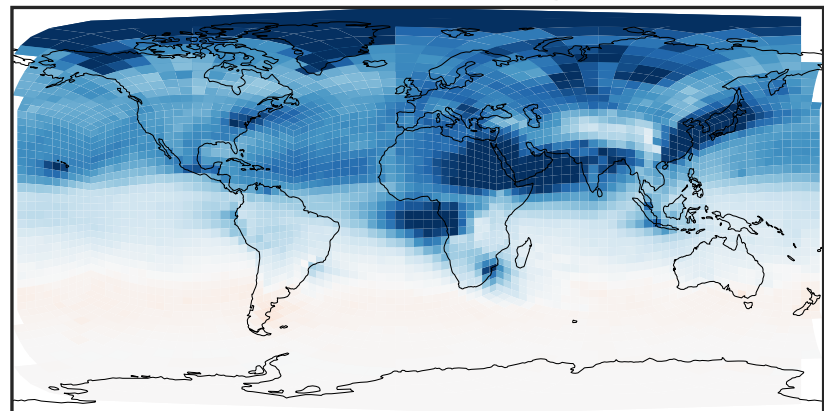
0.0000 0.0008 0.0016 0.0024
s-1

Difference
Dev - Ref, Dynamic Range



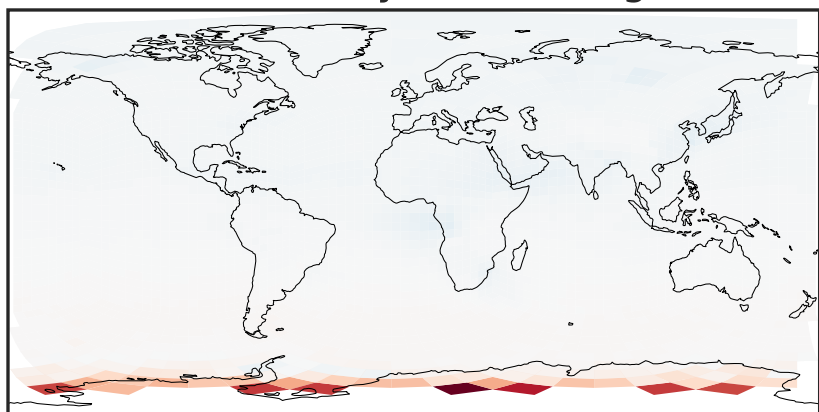
-2 0 2
s-1 1e-6

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



-1 0 1
s-1 1e-6

Ratio
Dev/Ref, Dynamic Range



0.9508 0.9754 1.0000 1.0259 1.0517
unitless

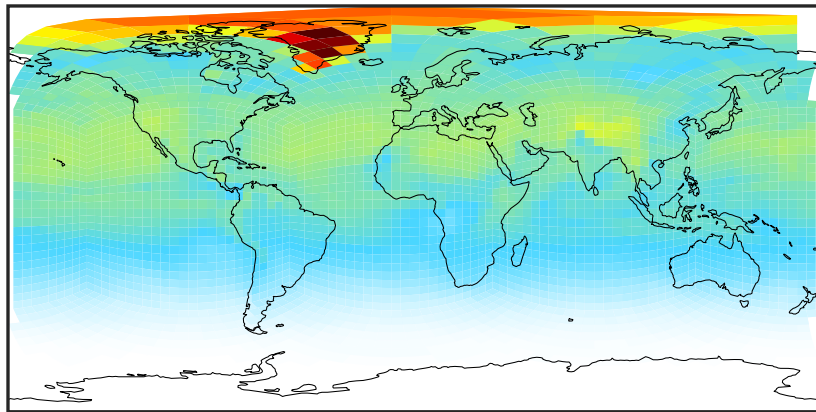
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

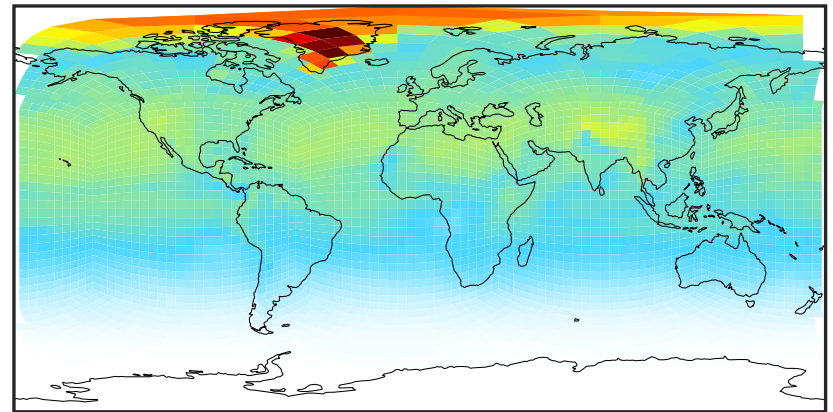
Jval_HOCl (Jul2019)

GCHP_14.0.0 (Ref)
c24



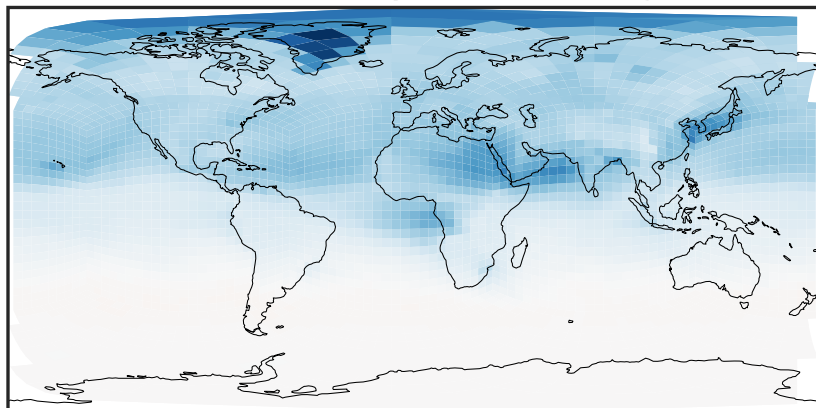
0.00000 0.00008 0.00016 0.00024
s-1

GCHP_14.2.0 (Dev)
c24



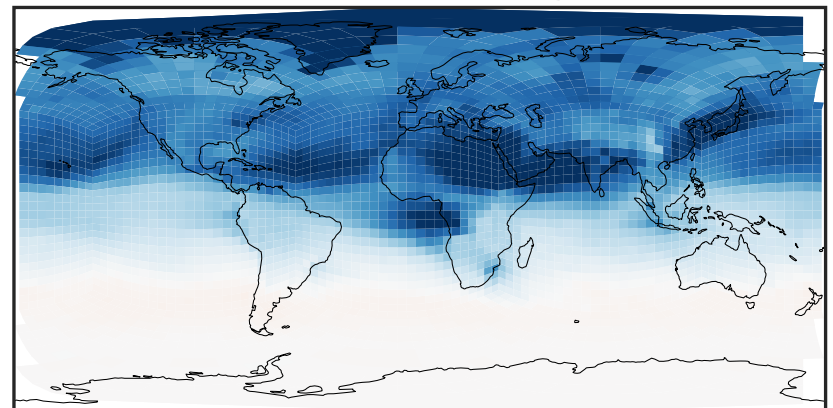
0.00000 0.00008 0.00016 0.00024
s-1

Difference
Dev - Ref, Dynamic Range



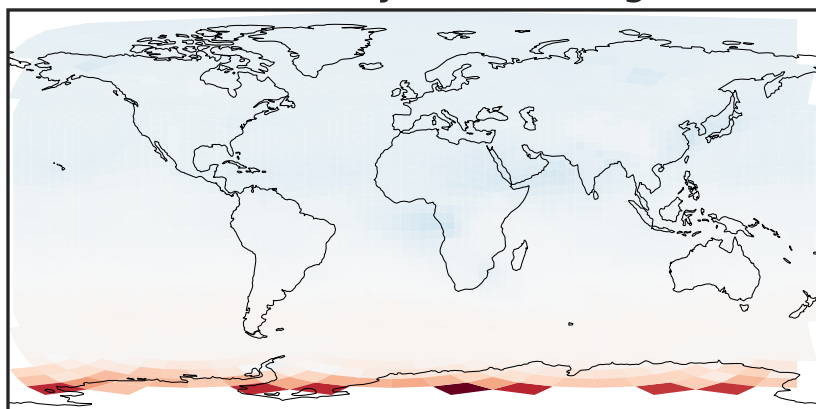
-6 0 6
s-1 1e-7

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



-2.5 0.0 2.5
s-1 1e-7

Ratio
Dev/Ref, Dynamic Range



0.95659 0.97830 1.00000 1.02269 1.04538
unitless

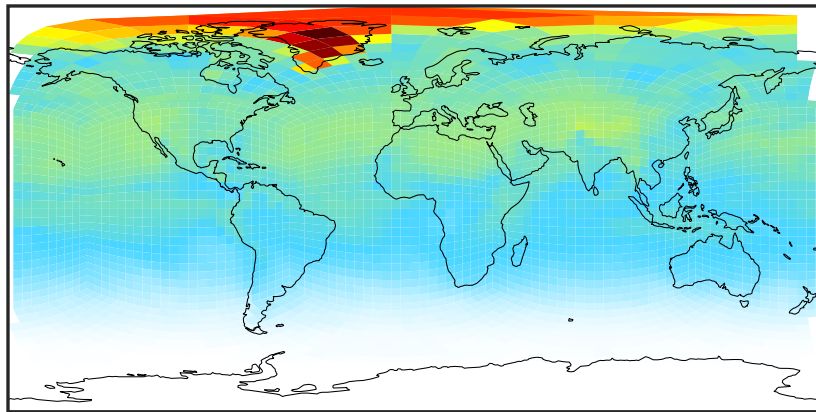
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

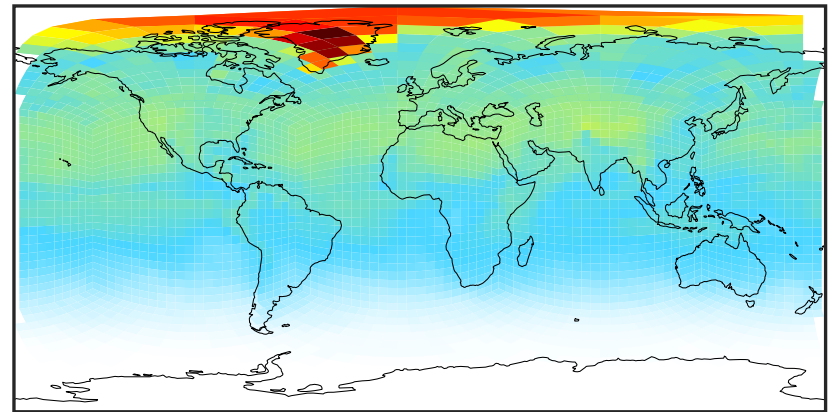
Jval_HOI (Jul2019)

GCHP_14.0.0 (Ref)
c24



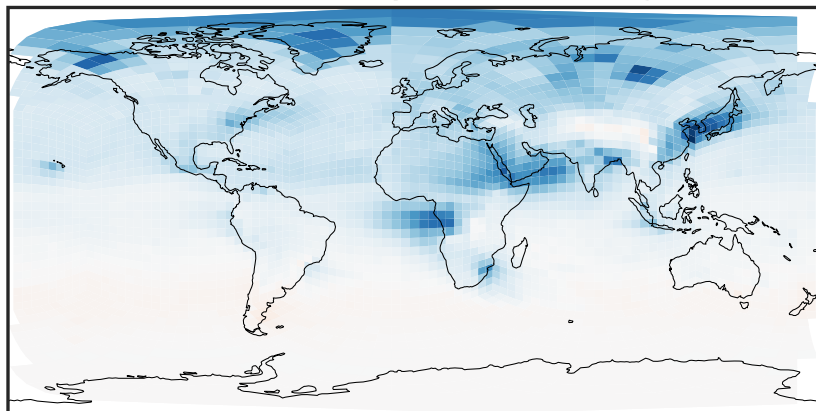
0.000 0.003 0.006 0.009
s-1

GCHP_14.2.0 (Dev)
c24



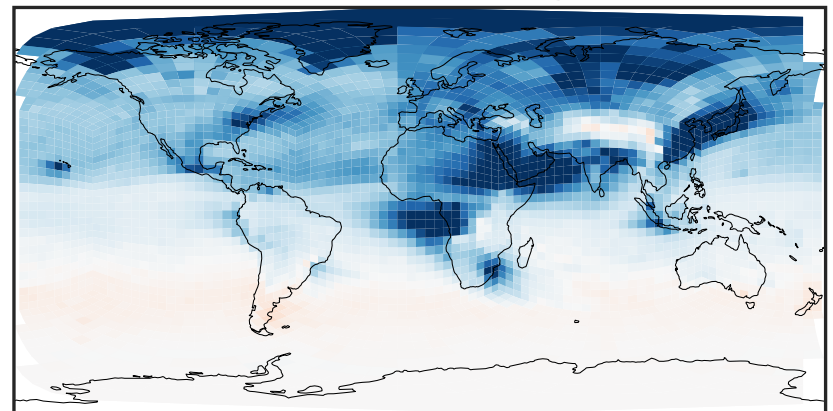
0.000 0.003 0.006 0.009
s-1

Difference
Dev - Ref, Dynamic Range



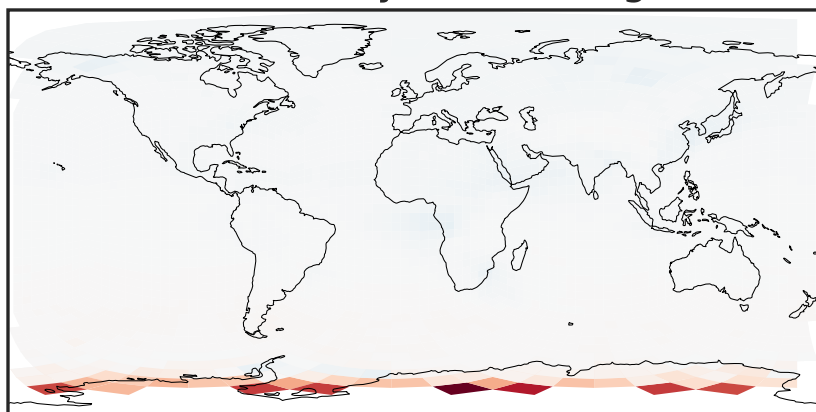
-8 0 8
s-1 1e-6

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



-3 0 3
s-1 1e-6

Ratio
Dev/Ref, Dynamic Range



0.9499 0.9749 1.000 1.0264 1.0528
unitless

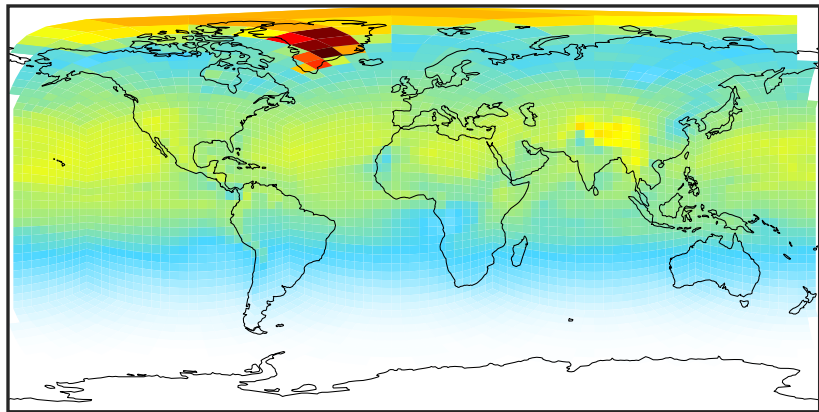
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

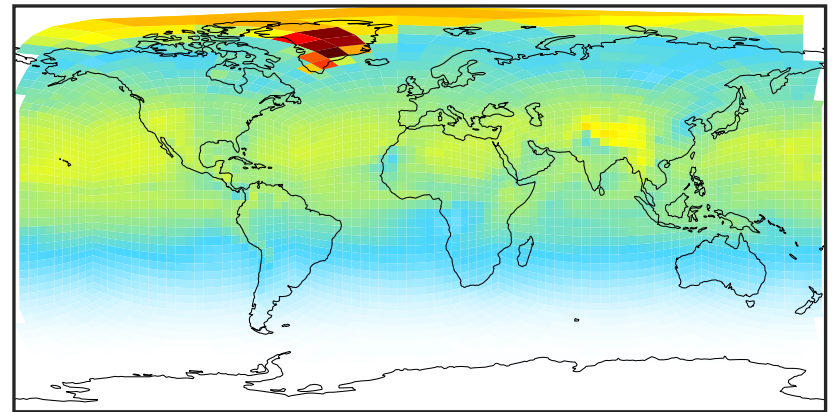
Jval_HONIT (Jul2019)

GCHP_14.0.0 (Ref)
c24



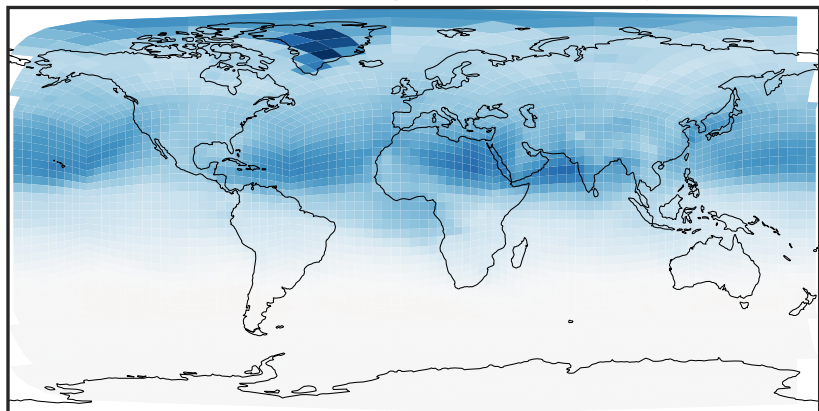
0.0 0.5 1.0 1.5 10^{-6} s-1

GCHP_14.2.0 (Dev)
c24



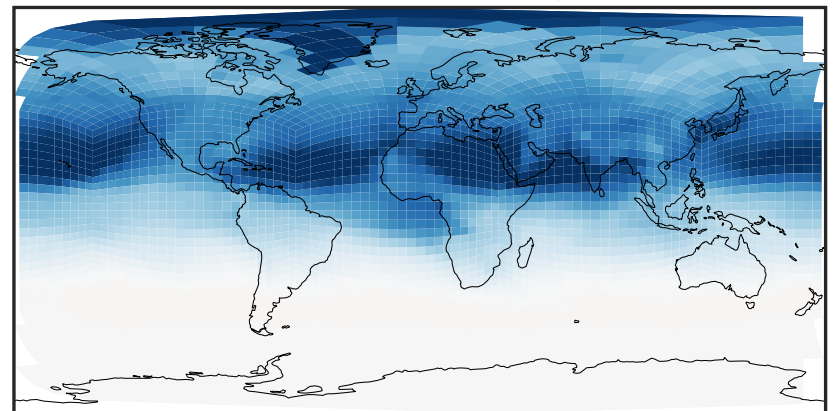
0.0 0.5 1.0 1.5 10^{-6} s-1

Difference
Dev - Ref, Dynamic Range



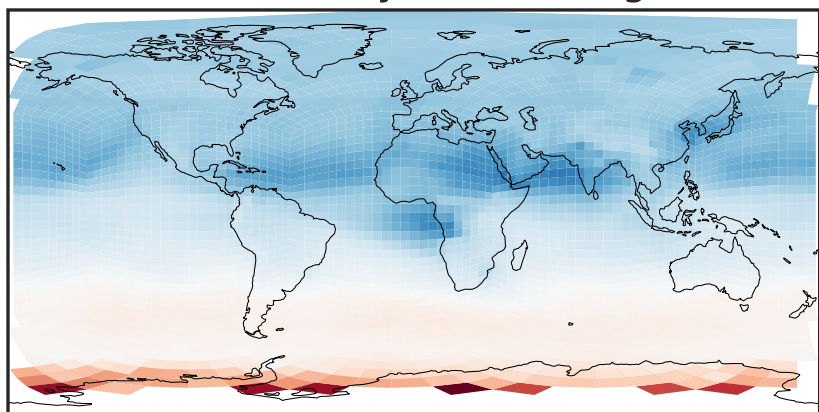
-1.5 0.0 1.5 10^{-8} s-1

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



-8 0 8 10^{-9} s-1

Ratio
Dev/Ref, Dynamic Range



0.96944 0.98472 1.00000 1.01576 1.03152
unitless

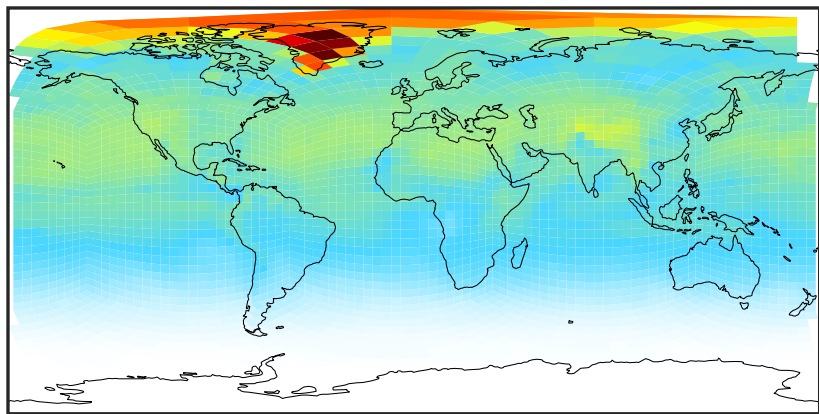
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

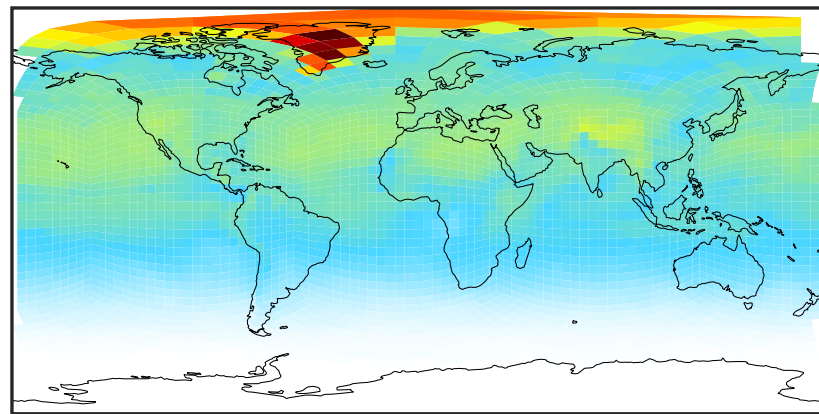
Jval_HPALD1 (Jul2019)

GCHP_14.0.0 (Ref)
c24



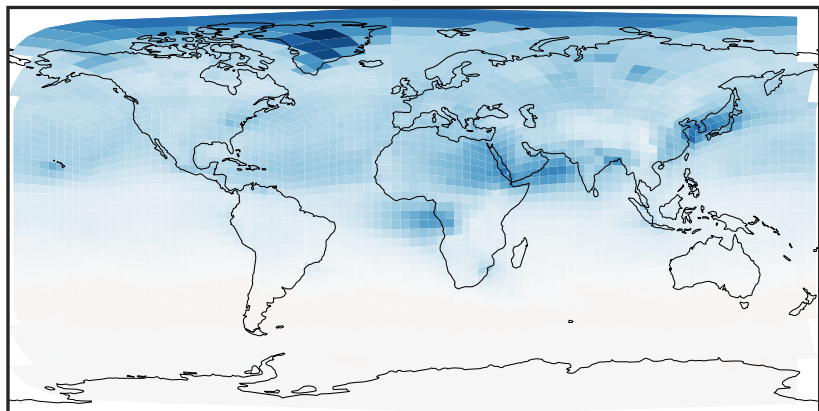
0.00000 0.00008 0.00016 0.00024
s-1

GCHP_14.2.0 (Dev)
c24



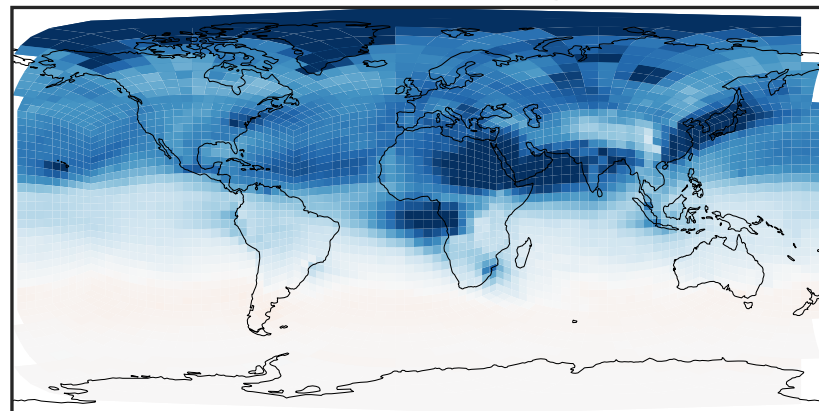
0.00000 0.00008 0.00016 0.00024
s-1

Difference
Dev - Ref, Dynamic Range



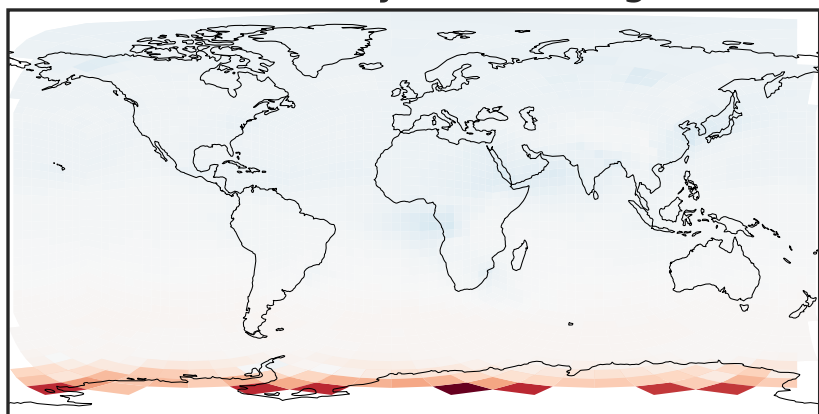
-5 0 5
s-1 1e-7

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



-2 0 2
s-1 1e-7

Ratio
Dev/Ref, Dynamic Range



0.95650 0.97825 1.00000 1.02274 1.04548
unitless

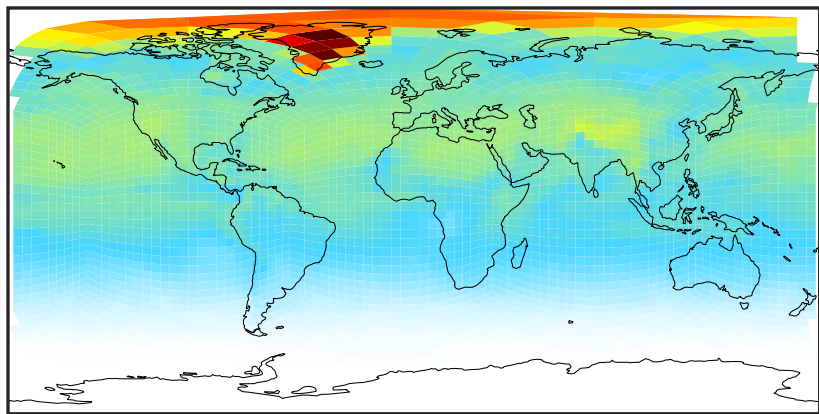
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

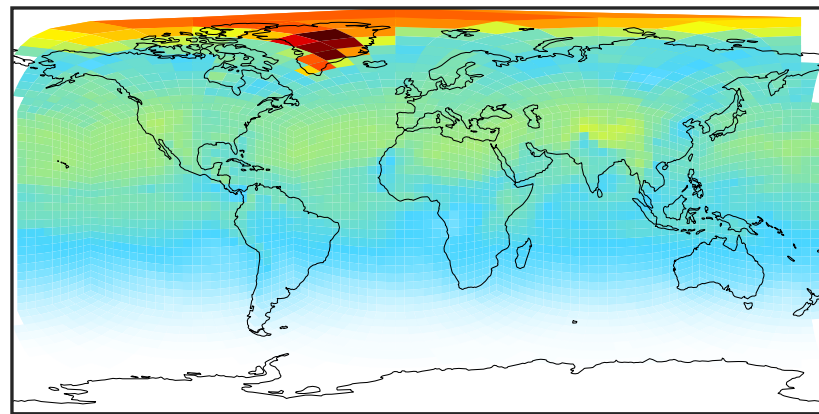
Jval_HPALD2 (Jul2019)

GCHP_14.0.0 (Ref)
c24



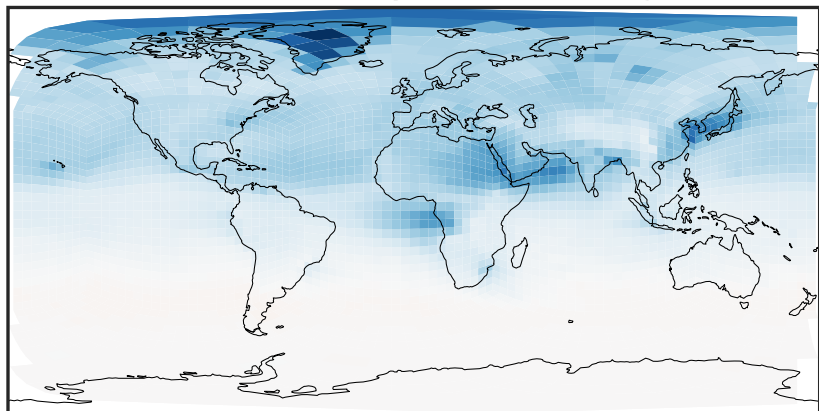
0.00000 0.00008 0.00016 0.00024
s-1

GCHP_14.2.0 (Dev)
c24



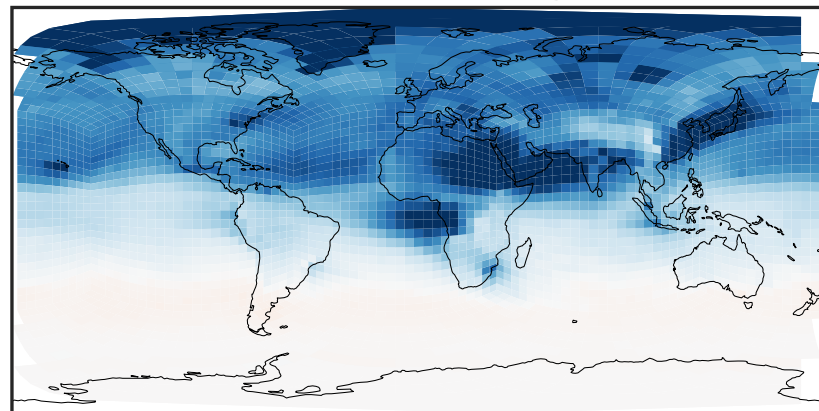
0.00000 0.00008 0.00016 0.00024
s-1

Difference
Dev - Ref, Dynamic Range



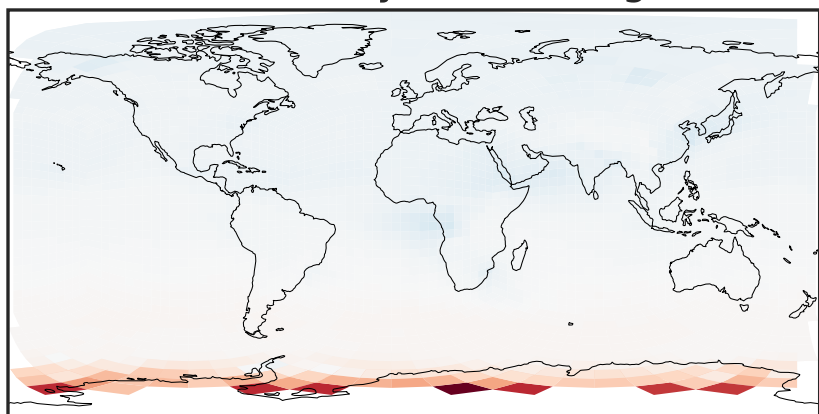
-4 0 4
s-1 1e-7

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



-2 0 2
s-1 1e-7

Ratio
Dev/Ref, Dynamic Range



0.95650 0.97825 1.00000 1.02274 1.04548
unitless

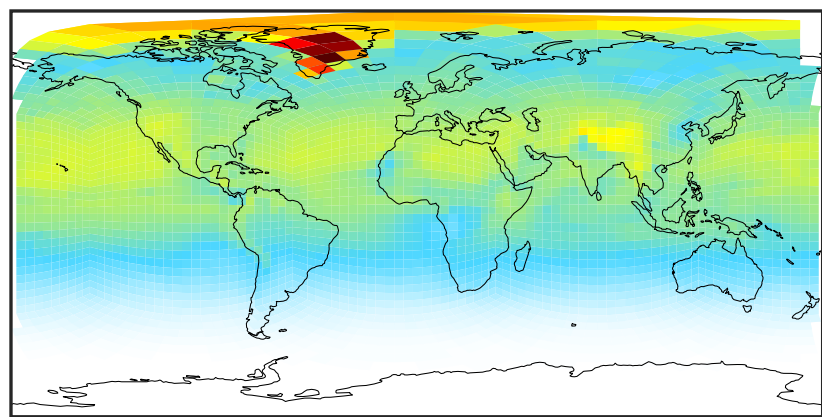
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

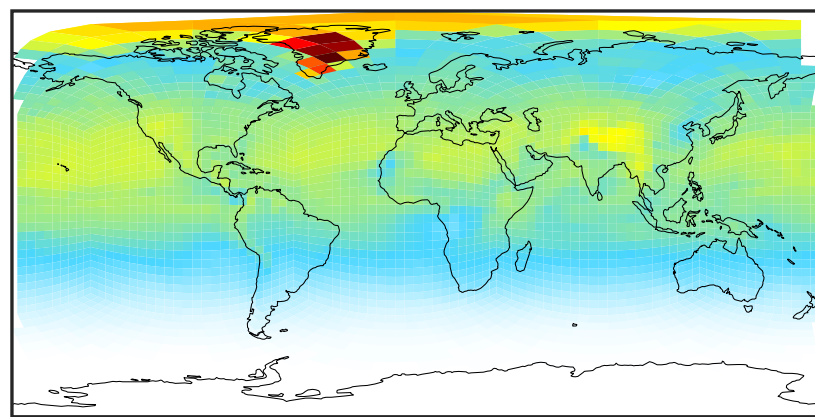
Jval_HPALD3 (Jul2019)

GCHP_14.0.0 (Ref)
c24



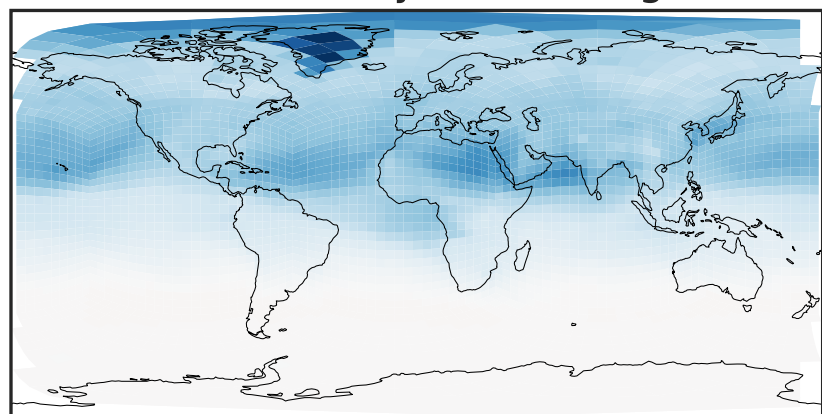
0.0 1.5 3.0 $1e-5$
s-1

GCHP_14.2.0 (Dev)
c24



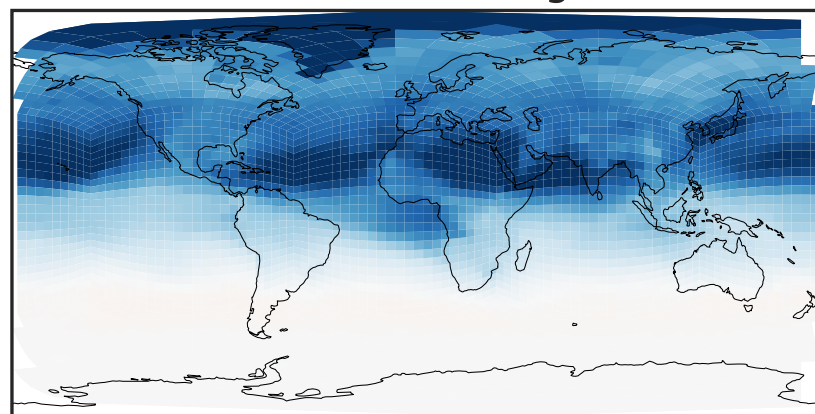
0.0 1.5 3.0 $1e-5$
s-1

Difference
Dev - Ref, Dynamic Range



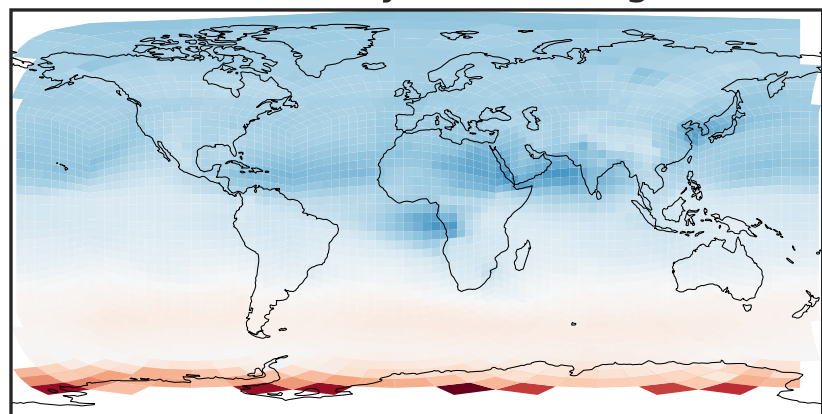
-2.5 0.0 2.5 $1e-7$
s-1

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



-1.5 0.0 1.5 $1e-7$
s-1

Ratio
Dev/Ref, Dynamic Range



0.96974 0.98487 1.00000 1.01560 1.03120
unitless

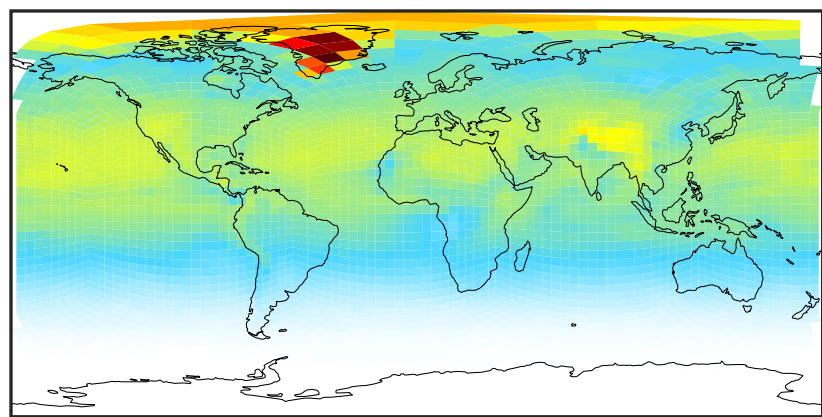
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

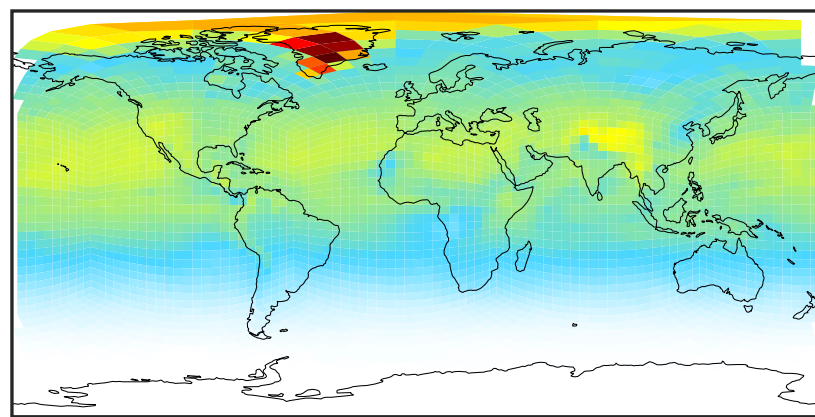
Jval_HPALD4 (Jul2019)

GCHP_14.0.0 (Ref)
c24



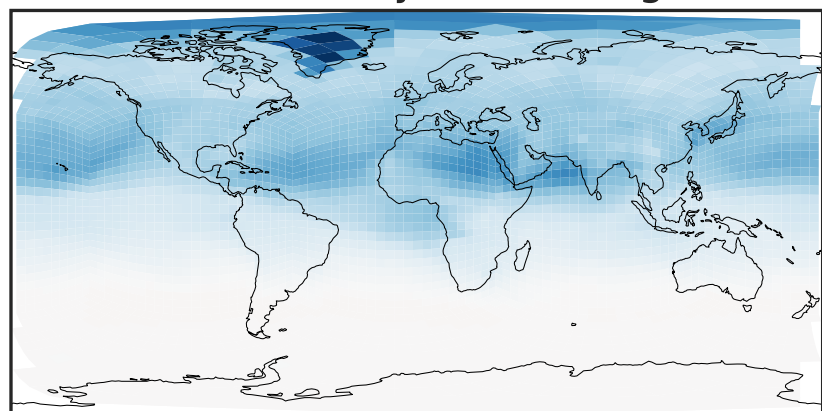
0.0 1.5 3.0 10^{-5}
s-1

GCHP_14.2.0 (Dev)
c24



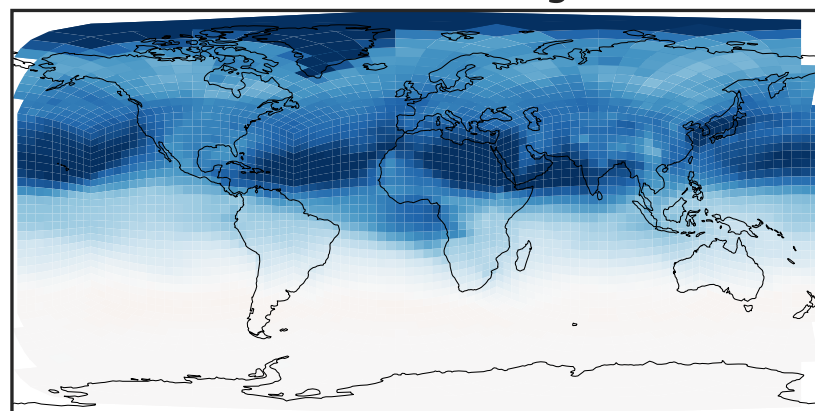
0.0 1.5 3.0 10^{-5}
s-1

Difference
Dev - Ref, Dynamic Range



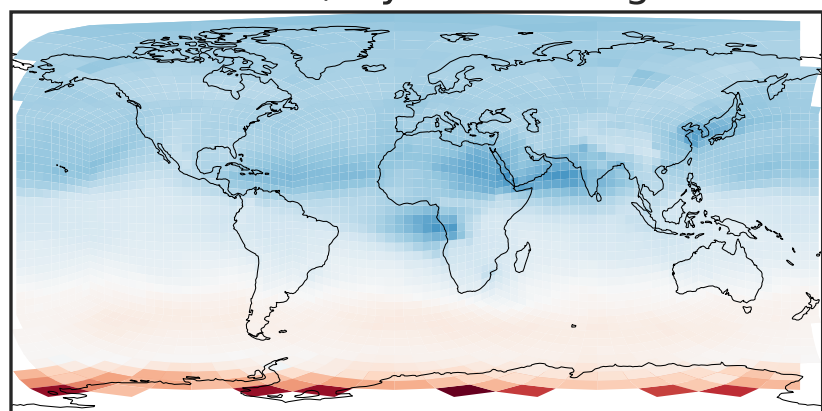
-2.5 0.0 2.5 10^{-7}
s-1

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



-1.5 0.0 1.5 10^{-7}
s-1

Ratio
Dev/Ref, Dynamic Range



0.96974 0.98487 1.00000 1.01560 1.03120
unitless

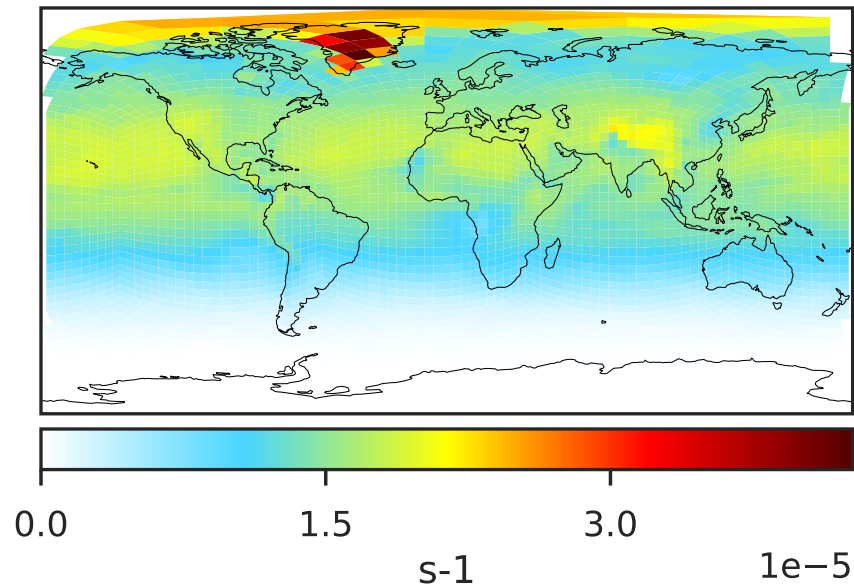
Ratio
Dev/Ref, Fixed Range



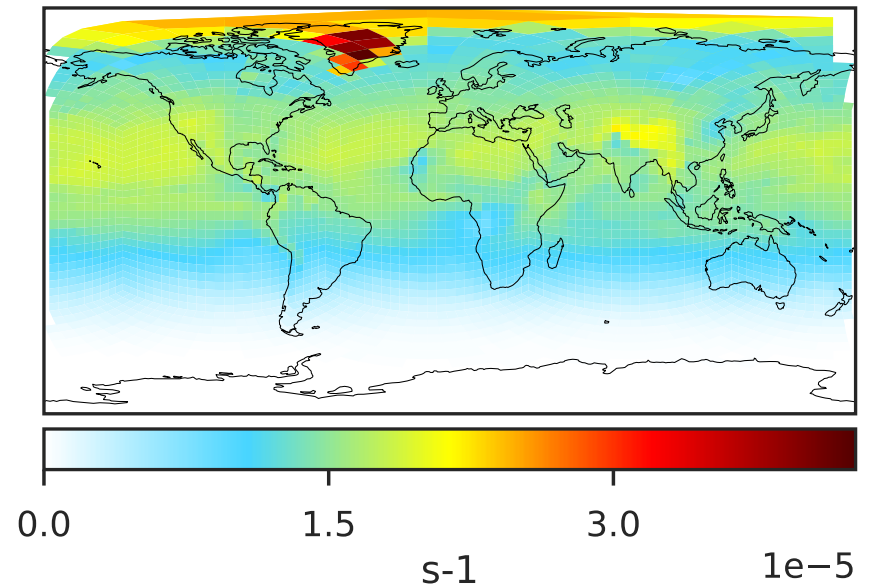
0.50 0.75 1.00 1.50 2.00
unitless

Jval_HPETHNL (Jul2019)

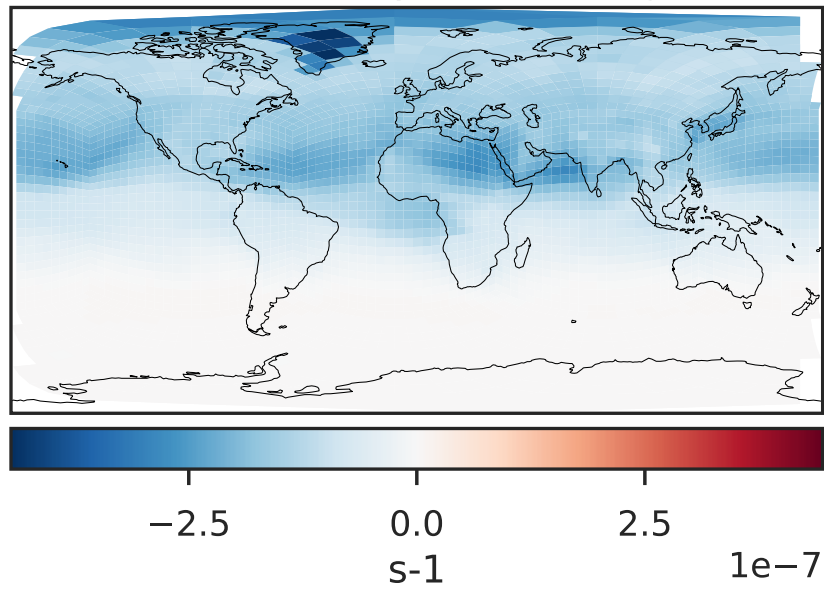
GCHP_14.0.0 (Ref)
c24



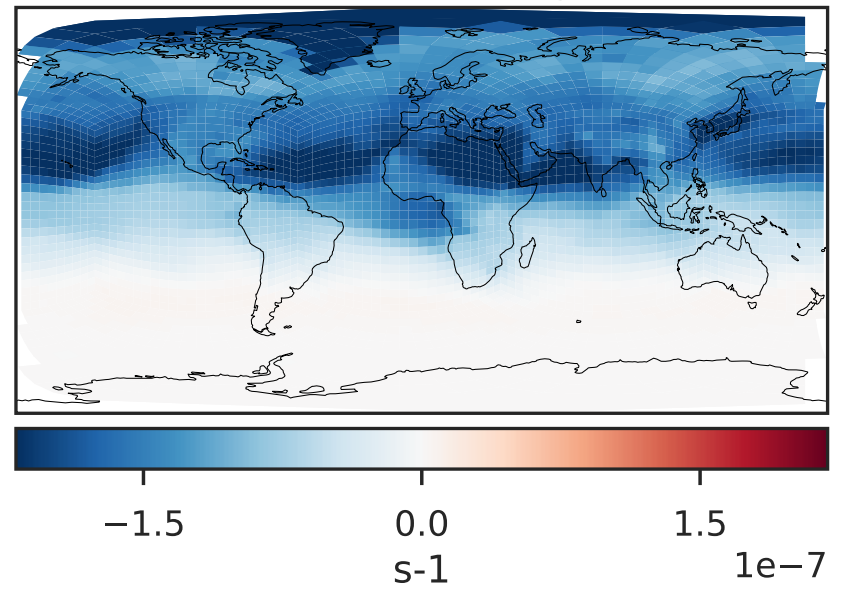
GCHP_14.2.0 (Dev)
c24



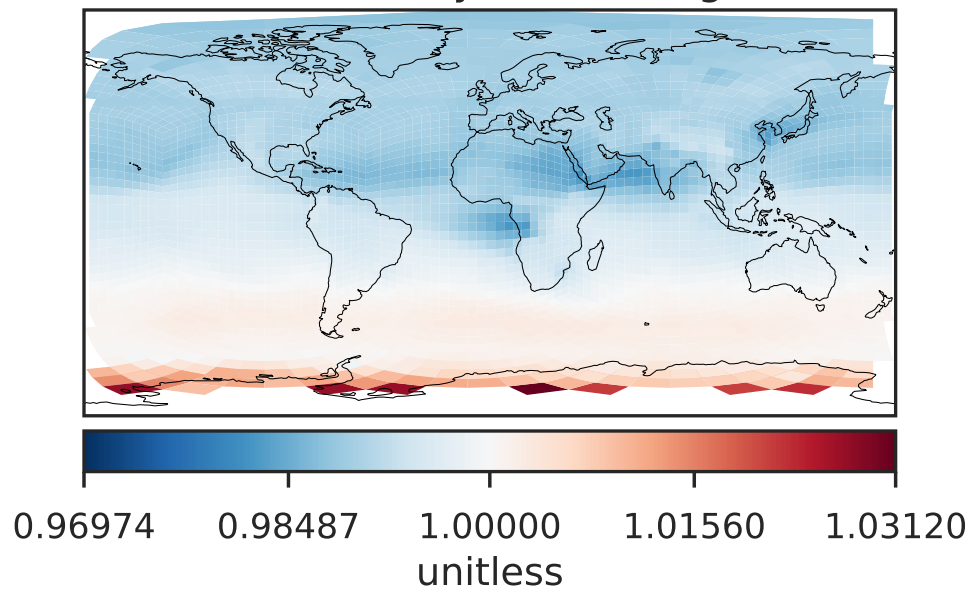
Difference
Dev - Ref, Dynamic Range



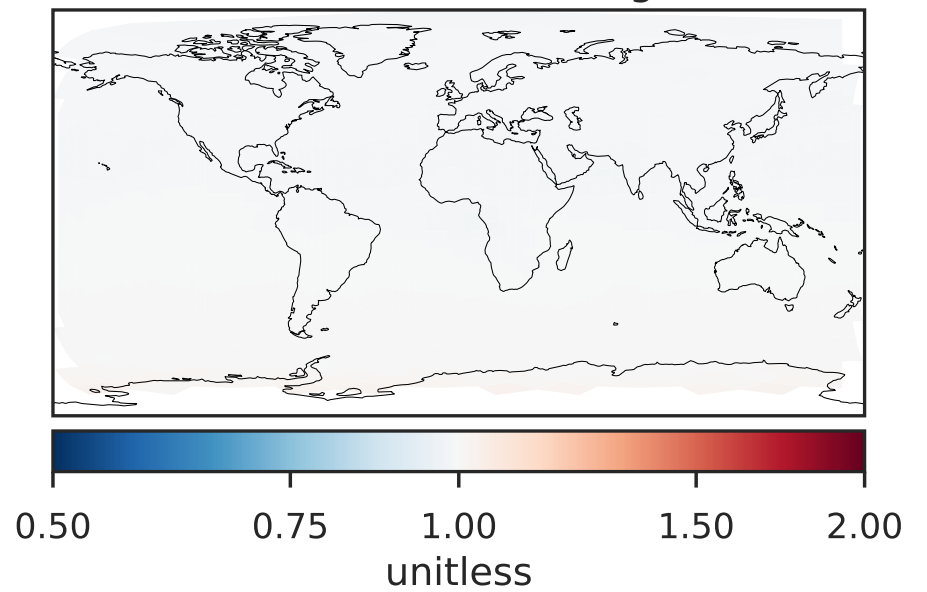
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

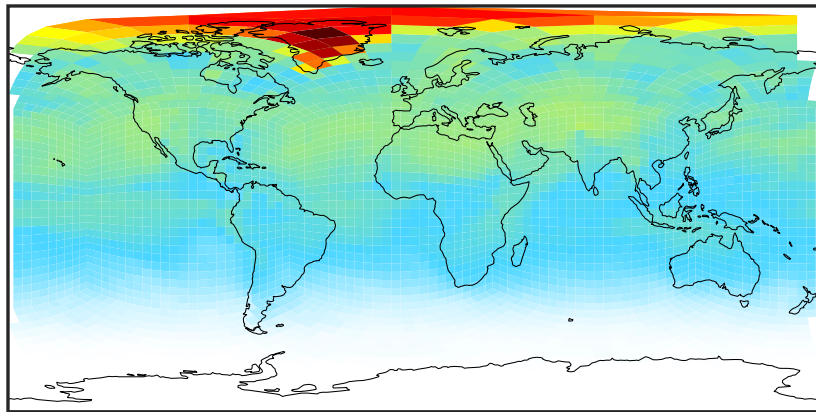


Ratio
Dev/Ref, Fixed Range



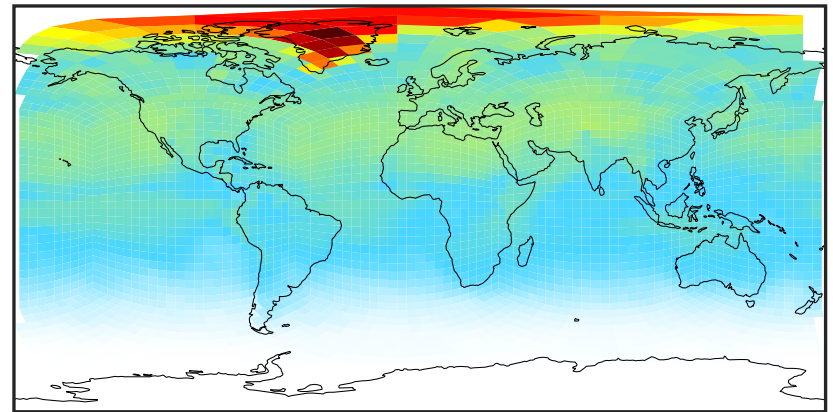
Jval_I2 (Jul2019)

GCHP_14.0.0 (Ref)
c24



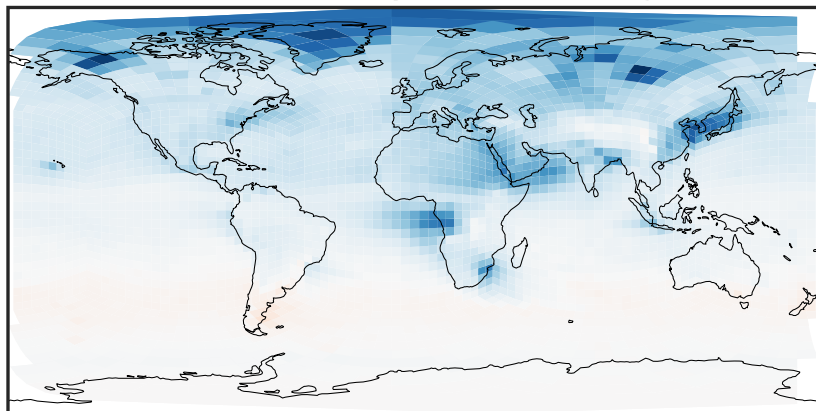
0.0000 0.0638 0.1275 0.1913 0.2551
s-1

GCHP_14.2.0 (Dev)
c24



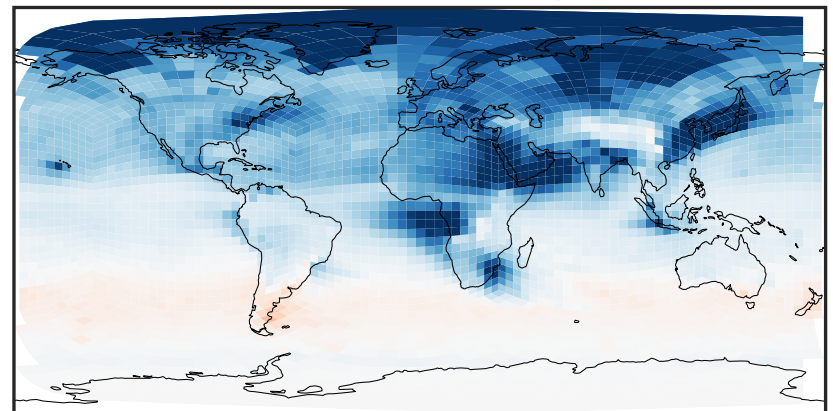
0.0000 0.0638 0.1275 0.1913 0.2551
s-1

Difference
Dev - Ref, Dynamic Range



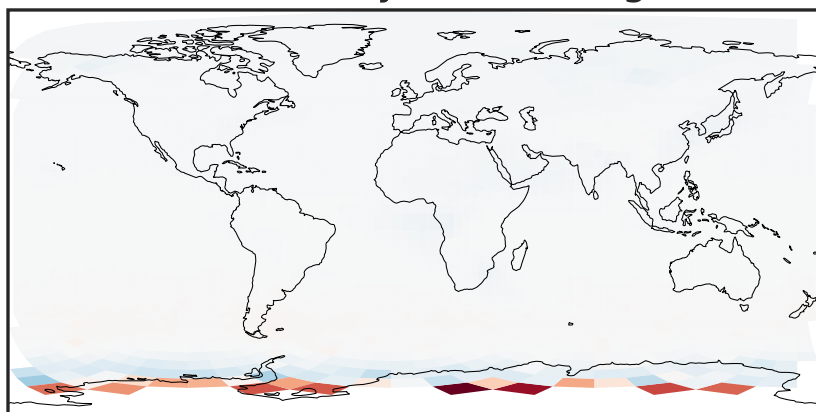
-0.00015 0.00000 0.00015
s-1

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



-6 0 6
s-1 1e-5

Ratio
Dev/Ref, Dynamic Range



0.9498 0.9749 1.0000 1.0264 1.0529
unitless

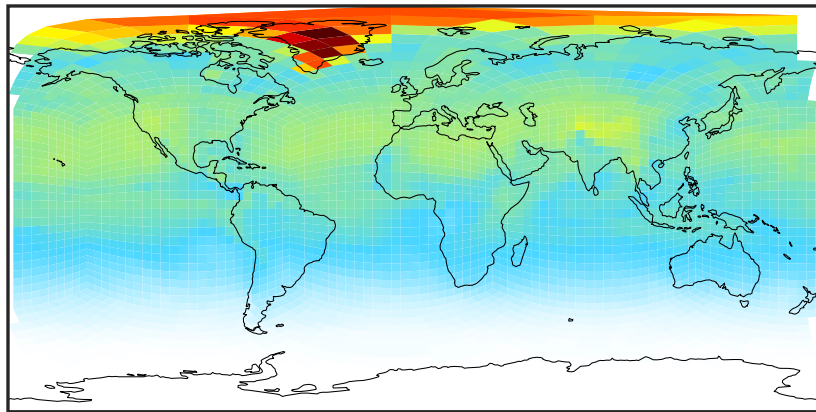
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

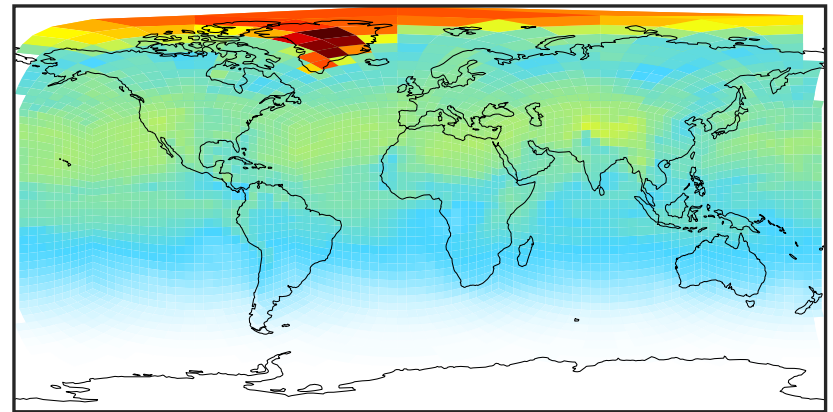
Jval_I2O2 (Jul2019)

GCHP_14.0.0 (Ref)
c24



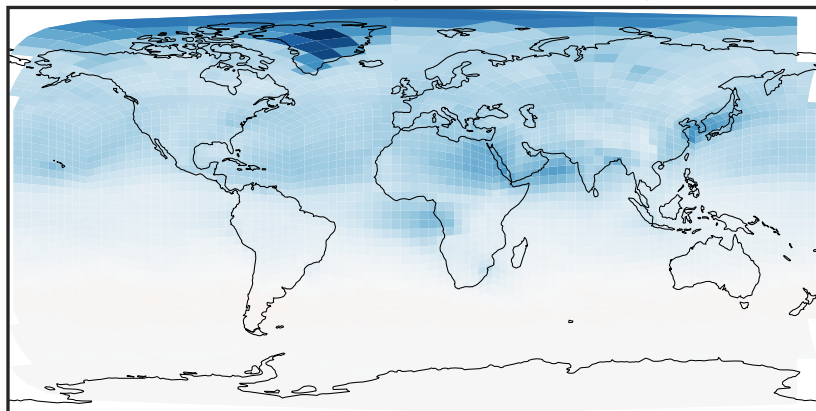
0.000 0.015 0.030 0.045
s-1

GCHP_14.2.0 (Dev)
c24



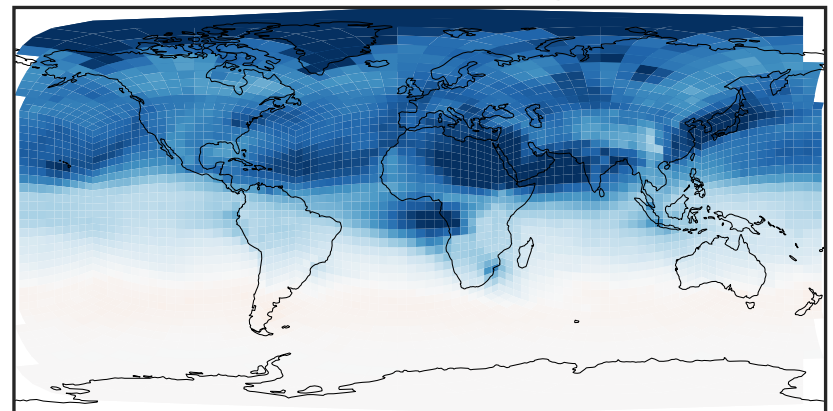
0.000 0.015 0.030 0.045
s-1

Difference
Dev - Ref, Dynamic Range



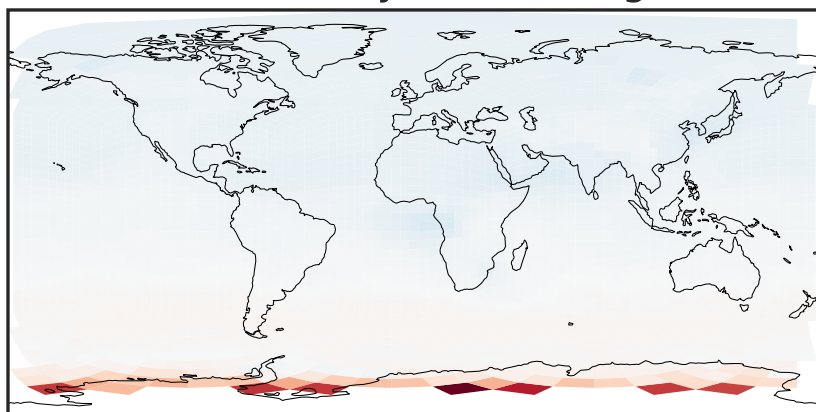
-0.0001 0.0000 0.0001
s-1

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



-4 0 4
s-1 1e-5

Ratio
Dev/Ref, Dynamic Range



0.95492 0.97746 1.00000 1.02360 1.04720
unitless

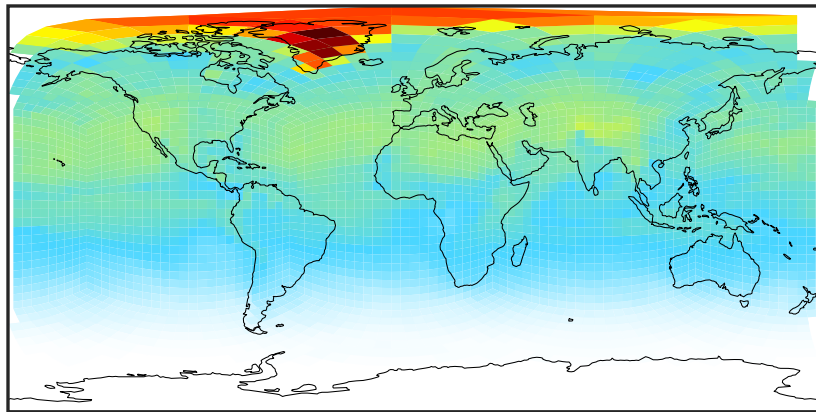
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

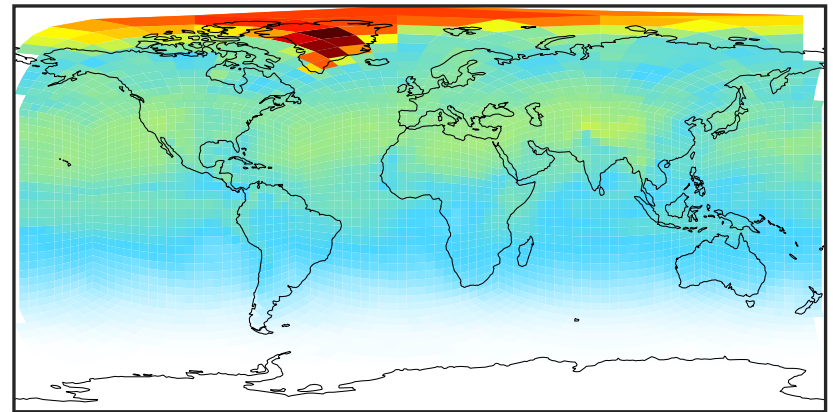
Jval_I203 (Jul2019)

GCHP_14.0.0 (Ref)
c24



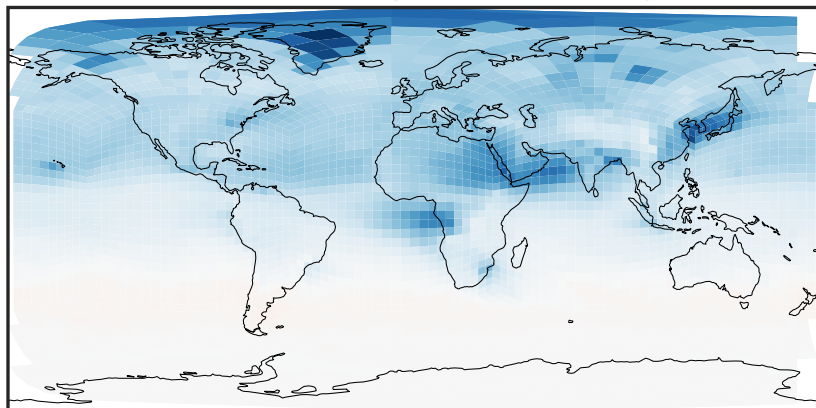
0.000 0.015 0.030
s-1

GCHP_14.2.0 (Dev)
c24



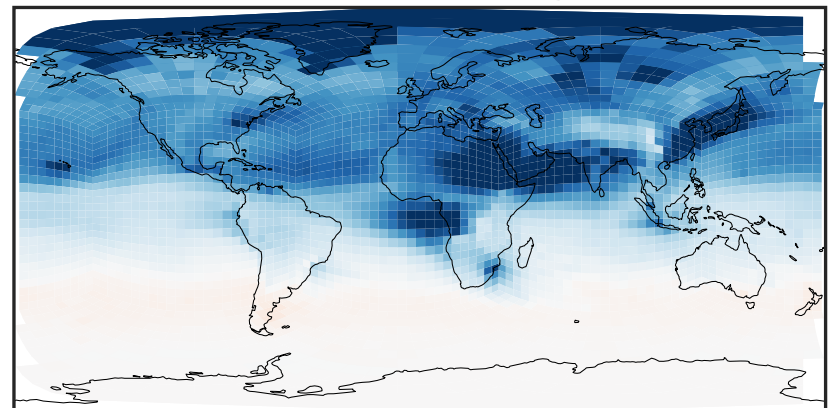
0.000 0.015 0.030
s-1

Difference
Dev - Ref, Dynamic Range



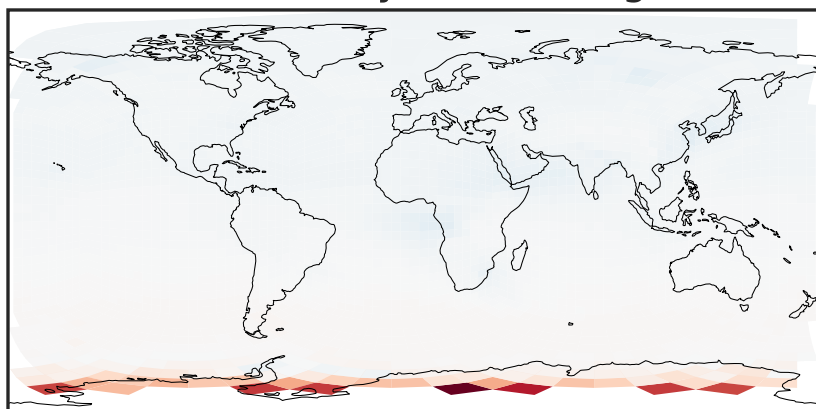
-4 0 4
s-1 1e-5

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



-2 0 2
s-1 1e-5

Ratio
Dev/Ref, Dynamic Range



0.95182 0.97591 1.00000 1.02531 1.05062
unitless

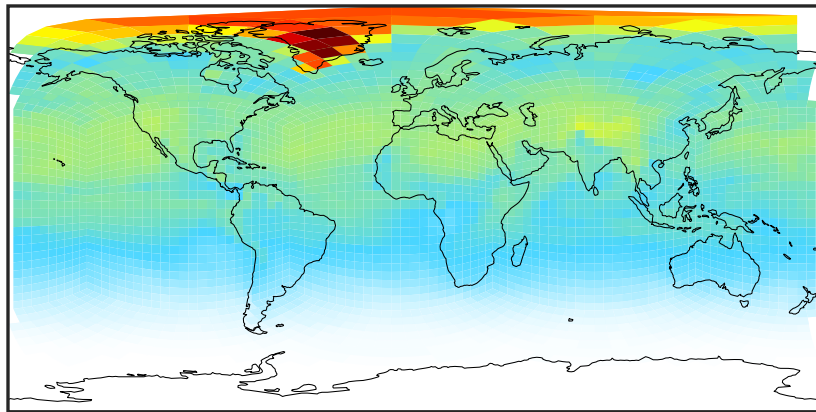
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

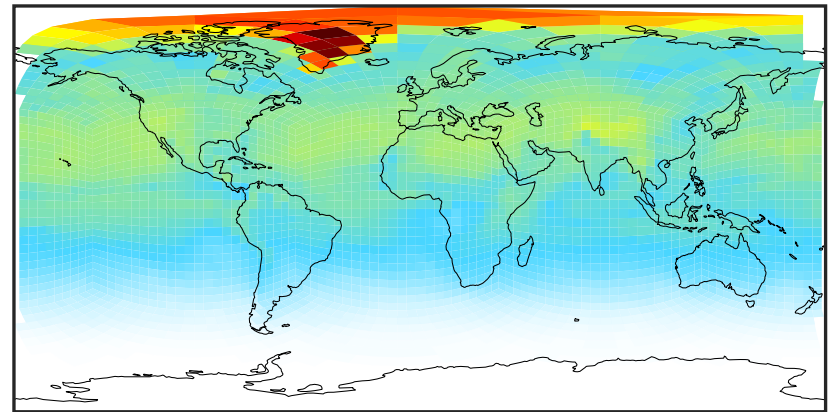
Jval_I2O4 (Jul2019)

GCHP_14.0.0 (Ref)
c24



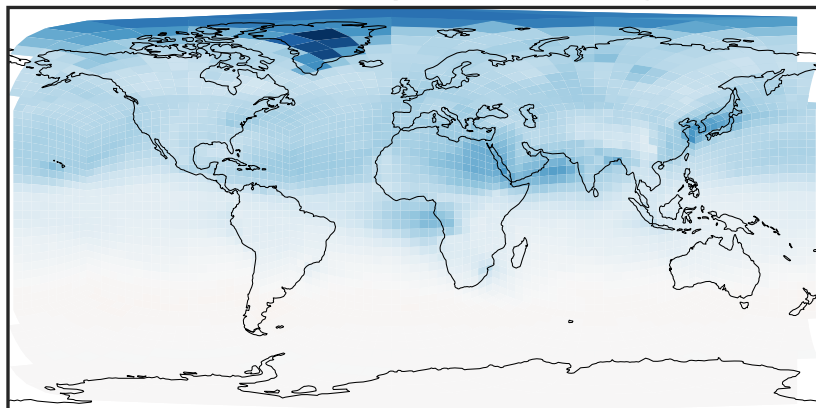
0.000 0.015 0.030 0.045
s-1

GCHP_14.2.0 (Dev)
c24



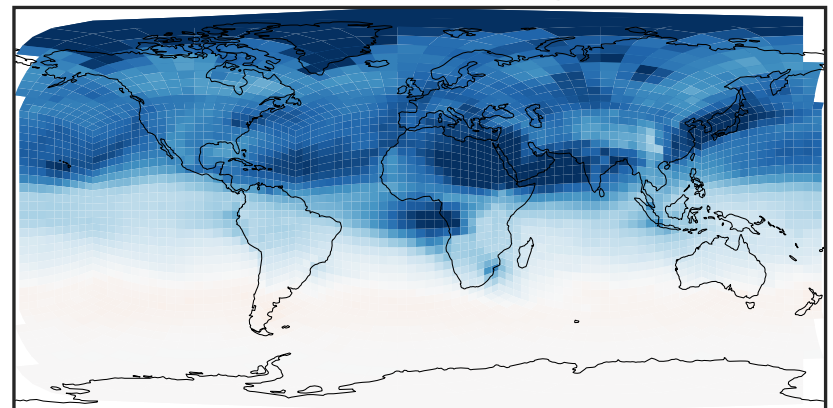
0.000 0.015 0.030 0.045
s-1

Difference
Dev - Ref, Dynamic Range



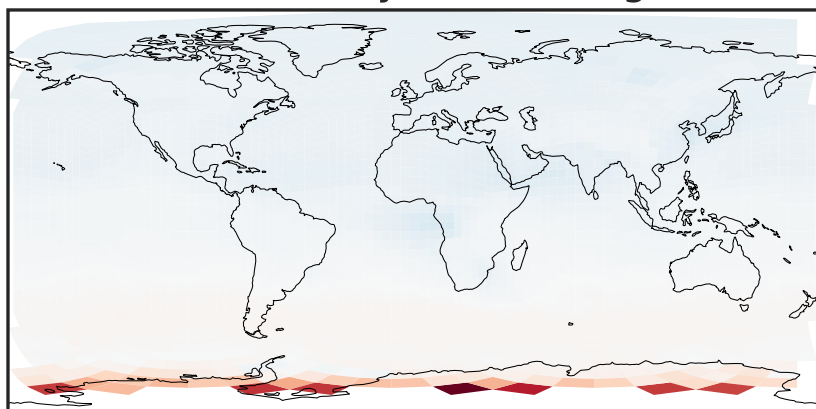
-0.0001 0.0000 0.0001
s-1

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



-4 0 4
s-1 1e-5

Ratio
Dev/Ref, Dynamic Range



0.95492 0.97746 1.00000 1.02360 1.04720
unitless

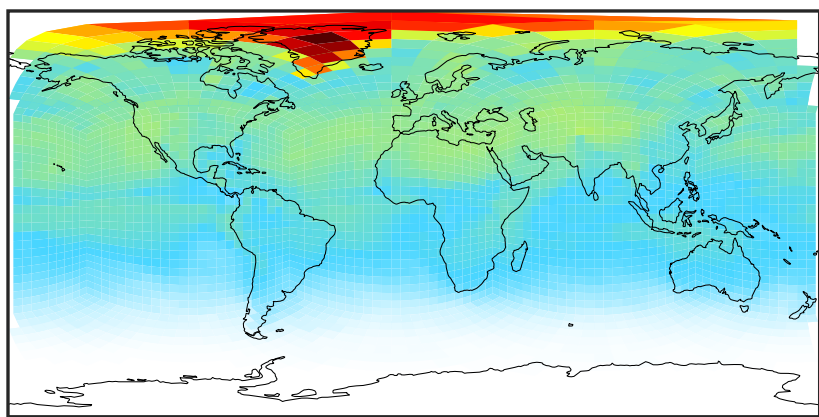
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

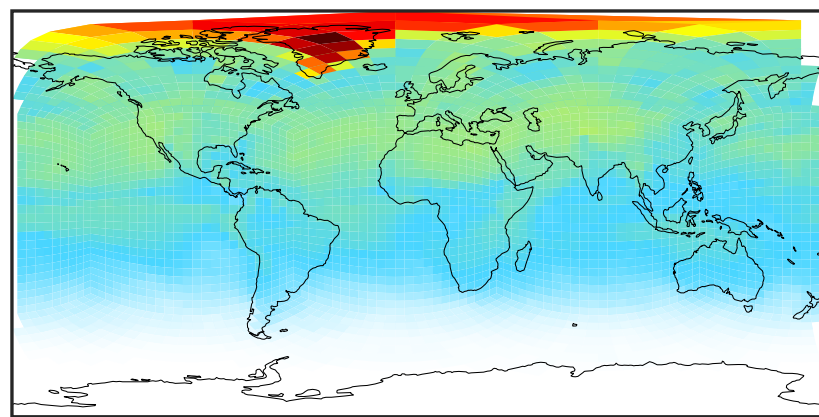
Jval_IBr (Jul2019)

GCHP_14.0.0 (Ref)
c24



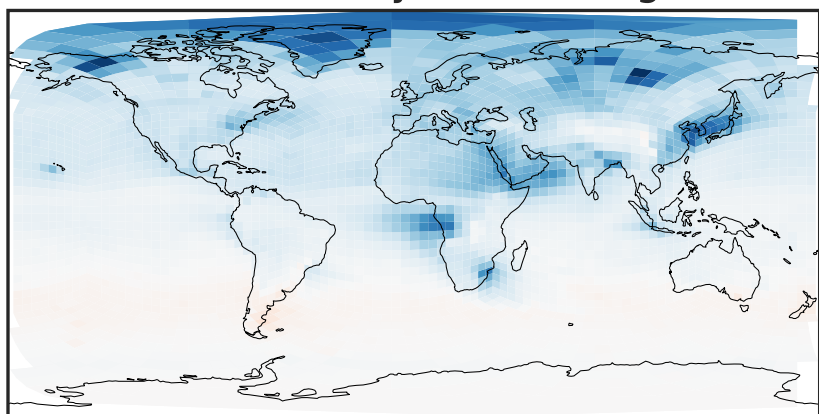
0.0000 0.0266 0.0533 0.0799 0.1066
s-1

GCHP_14.2.0 (Dev)
c24



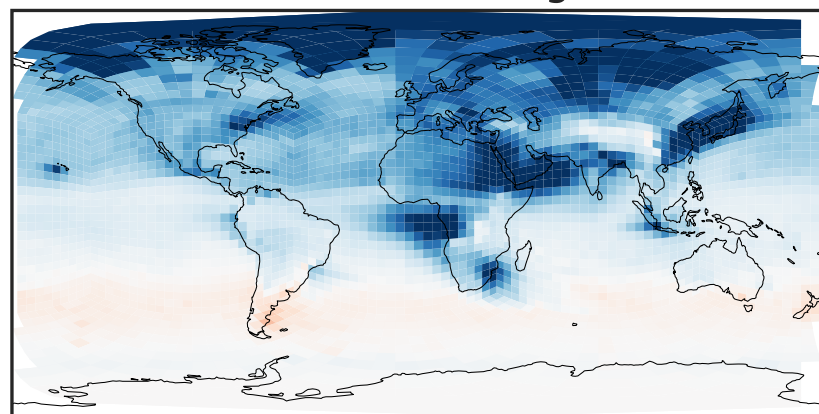
0.0000 0.0266 0.0533 0.0799 0.1066
s-1

Difference
Dev - Ref, Dynamic Range



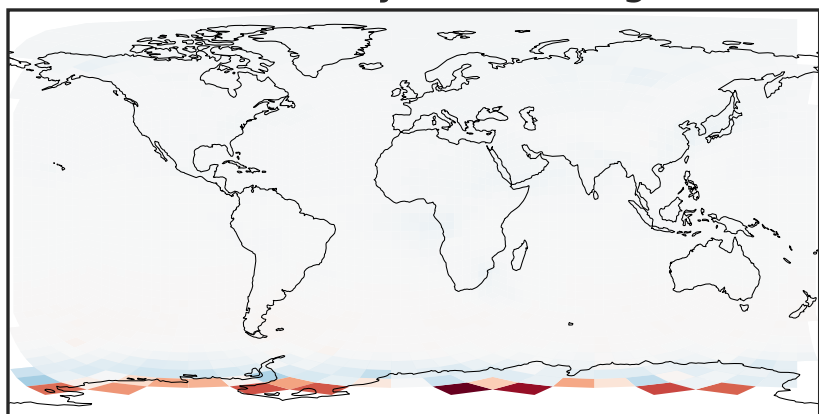
-6 0 6
s-1 1e-5

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



-2.5 0.0 2.5
s-1 1e-5

Ratio
Dev/Ref, Dynamic Range



0.9497 0.9749 1.0000 1.0265 1.0529
unitless

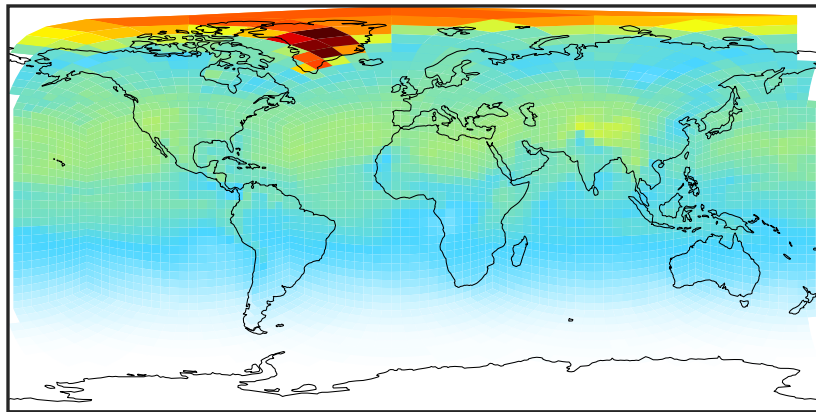
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

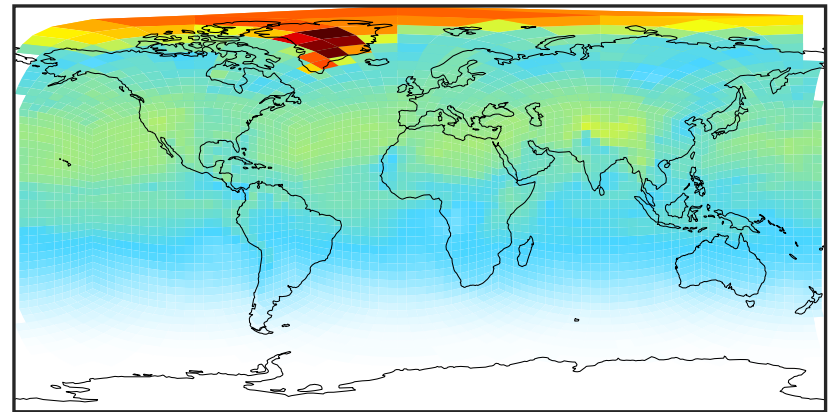
Jval_ICN (Jul2019)

GCHP_14.0.0 (Ref)
c24



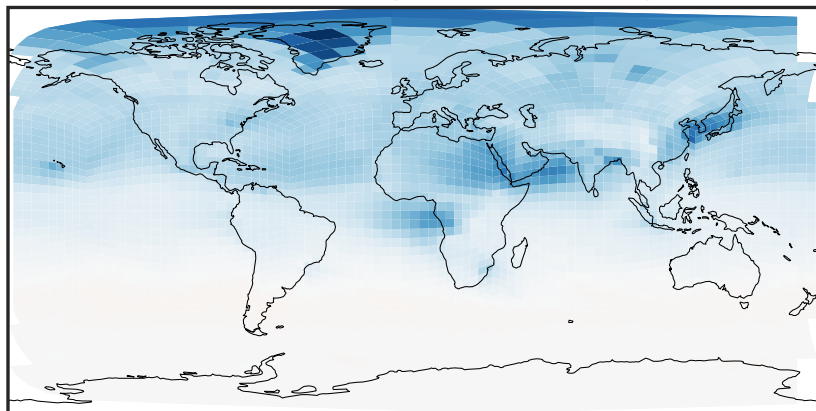
0.00000 0.00008 0.00016 0.00024
s-1

GCHP_14.2.0 (Dev)
c24



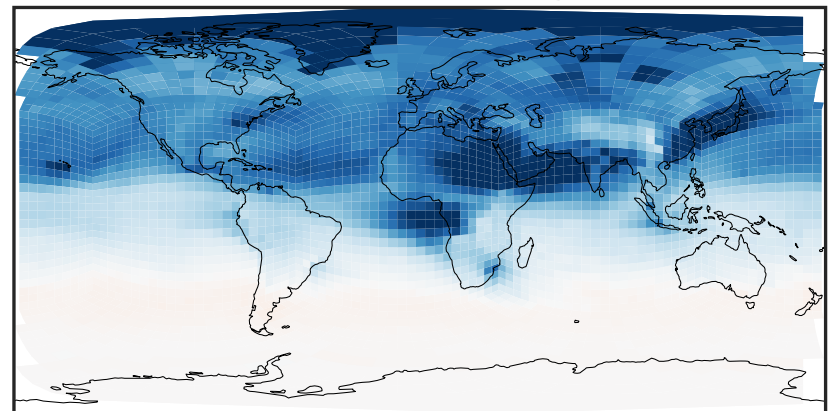
0.00000 0.00008 0.00016 0.00024
s-1

Difference
Dev - Ref, Dynamic Range



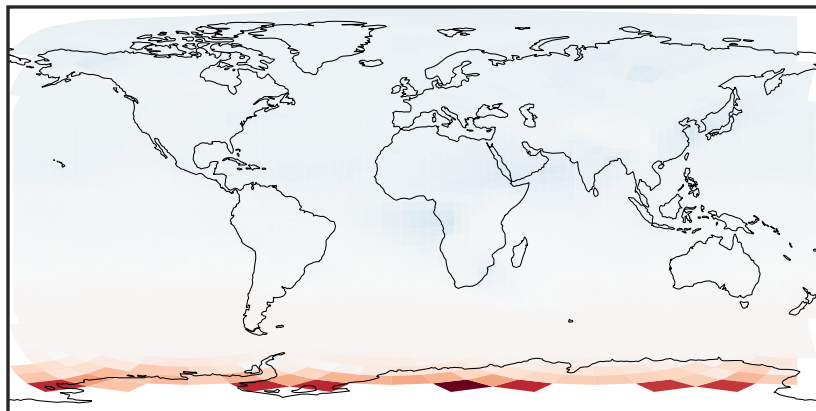
-4 0 4
s-1 1e-7

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



-2 0 2
s-1 1e-7

Ratio
Dev/Ref, Dynamic Range



0.95656 0.97828 1.00000 1.02271 1.04541
unitless

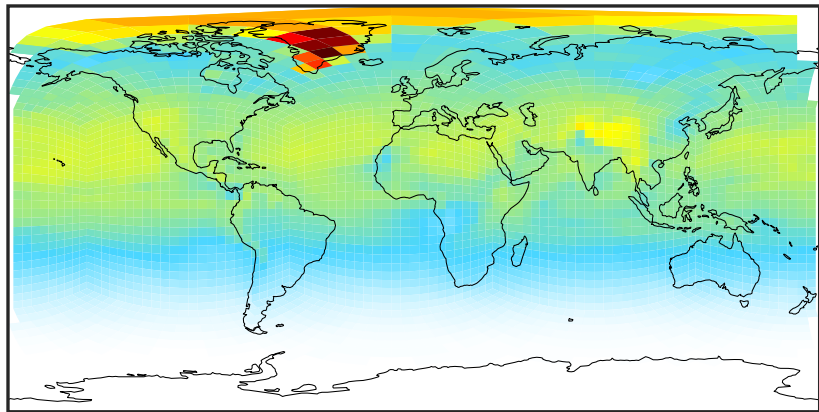
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

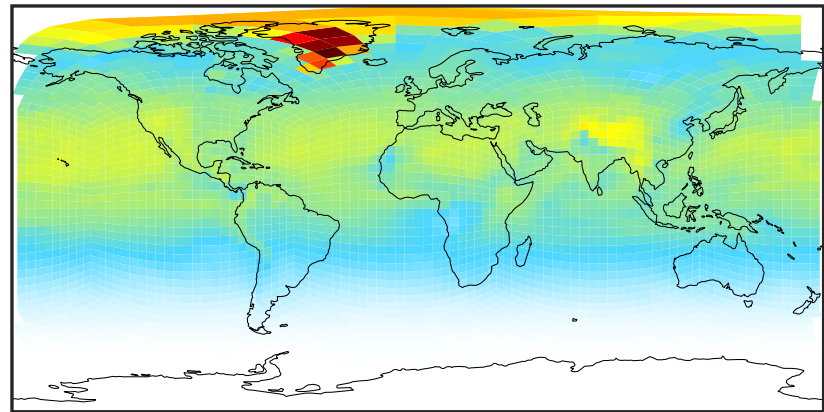
Jval_ICPDH (Jul2019)

GCHP_14.0.0 (Ref)
c24



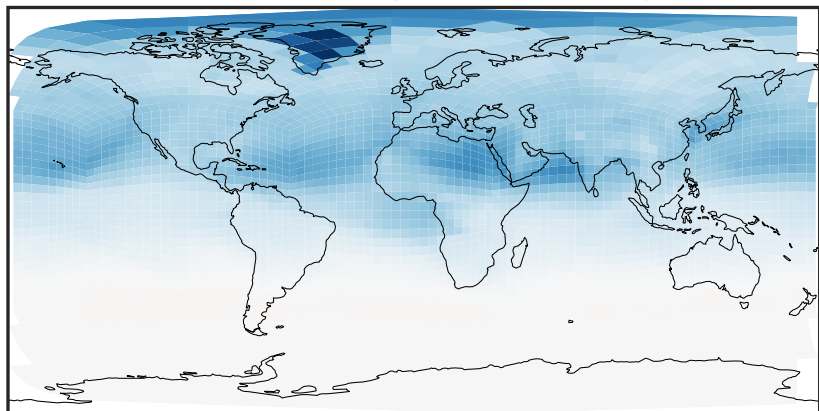
0.0 1.5 3.0 10^{-5} s-1

GCHP_14.2.0 (Dev)
c24



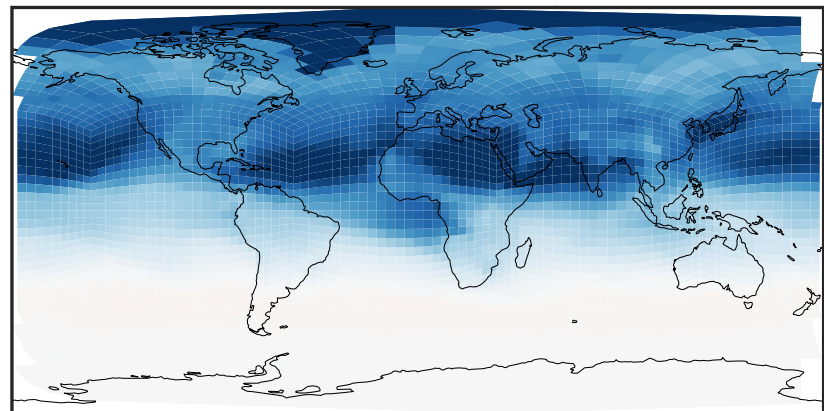
0.0 1.5 3.0 10^{-5} s-1

Difference
Dev - Ref, Dynamic Range



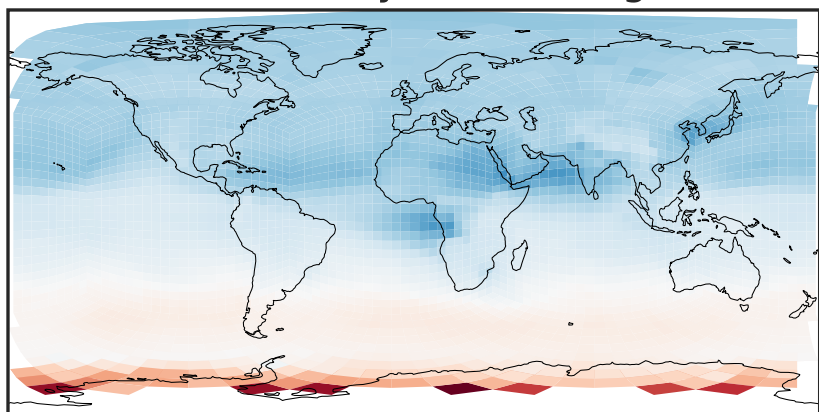
-2.5 0.0 2.5 10^{-7} s-1

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



-1.5 0.0 1.5 10^{-7} s-1

Ratio
Dev/Ref, Dynamic Range



0.96971 0.98486 1.00000 1.01562 1.03123
unitless

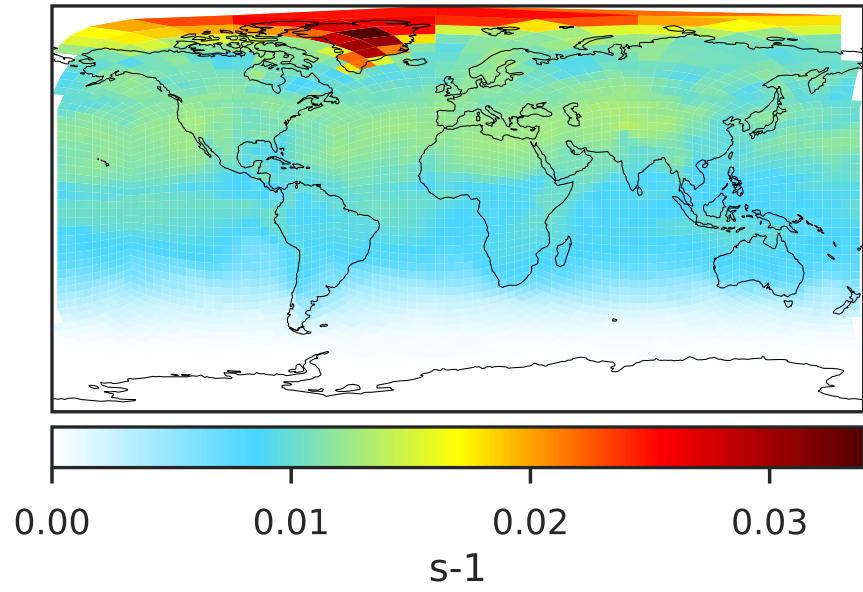
Ratio
Dev/Ref, Fixed Range



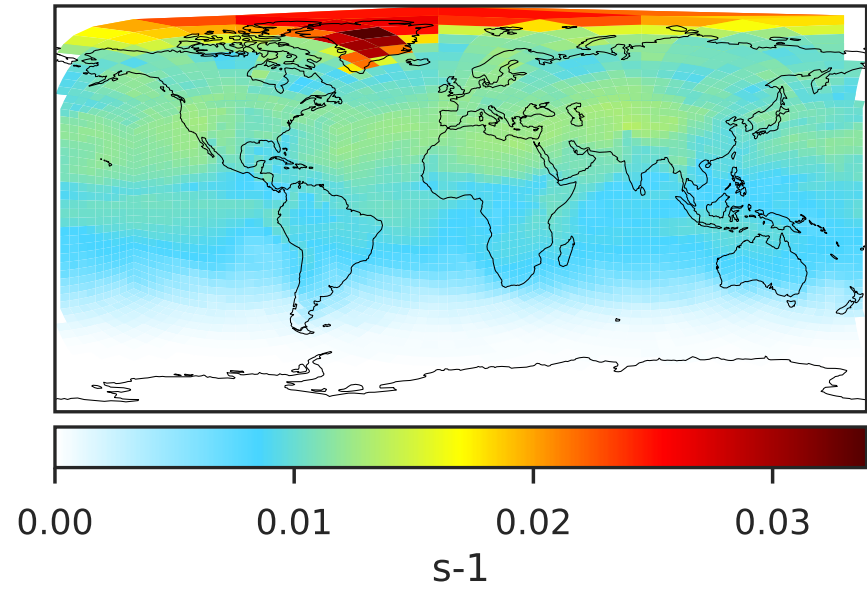
0.50 0.75 1.00 1.50 2.00
unitless

Jval_ICI (Jul2019)

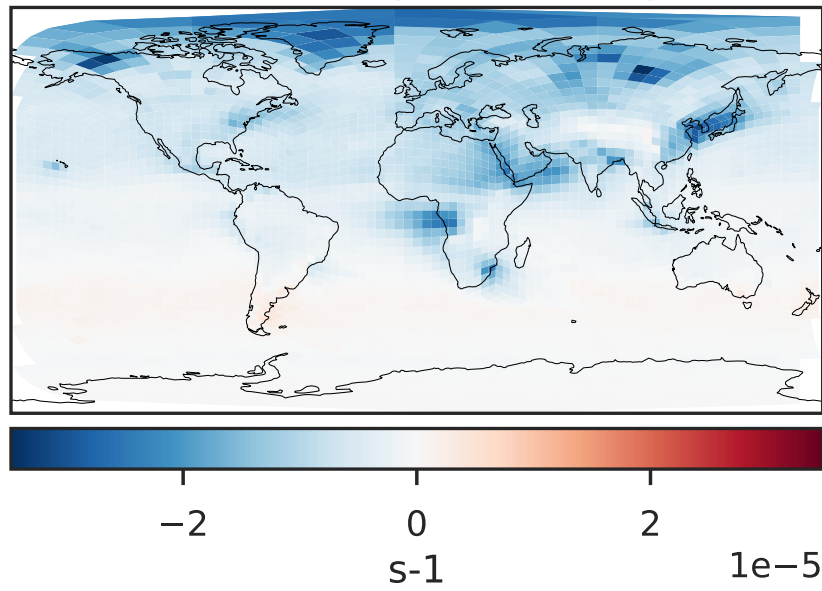
GCHP_14.0.0 (Ref)
c24



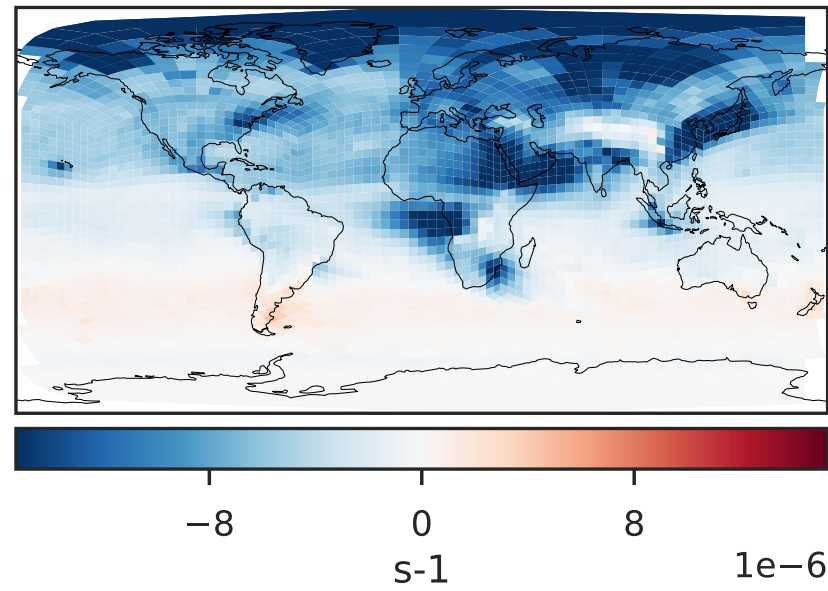
GCHP_14.2.0 (Dev)
c24



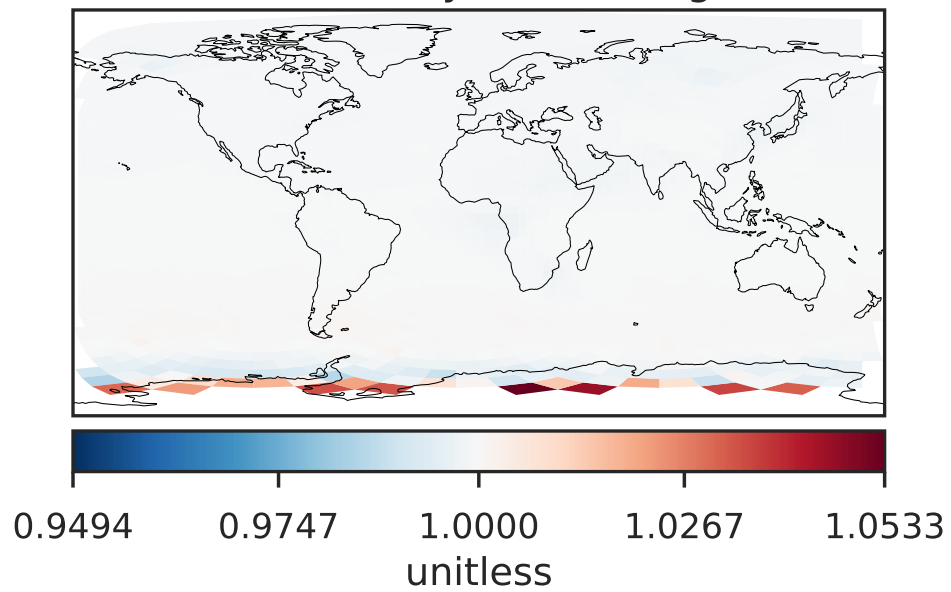
Difference
Dev - Ref, Dynamic Range



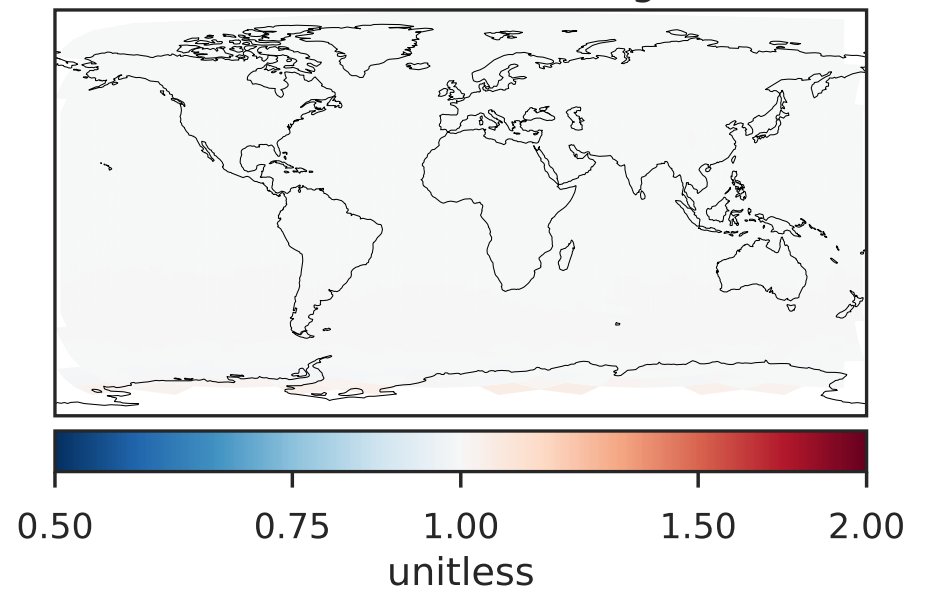
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

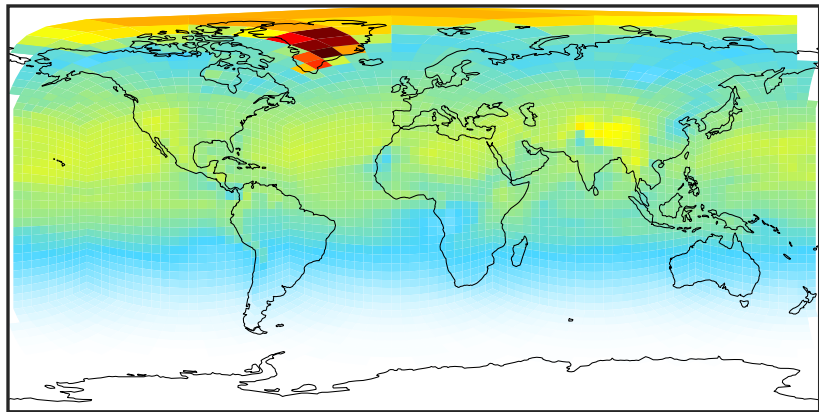


Ratio
Dev/Ref, Fixed Range



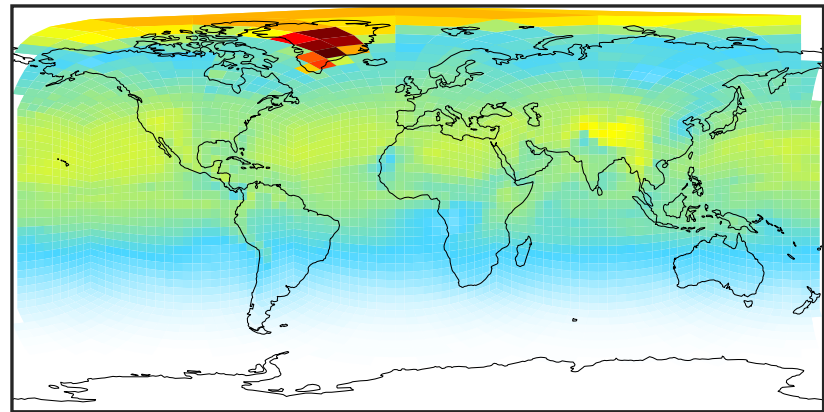
Jval_IDCHP (Jul2019)

GCHP_14.0.0 (Ref)
c24



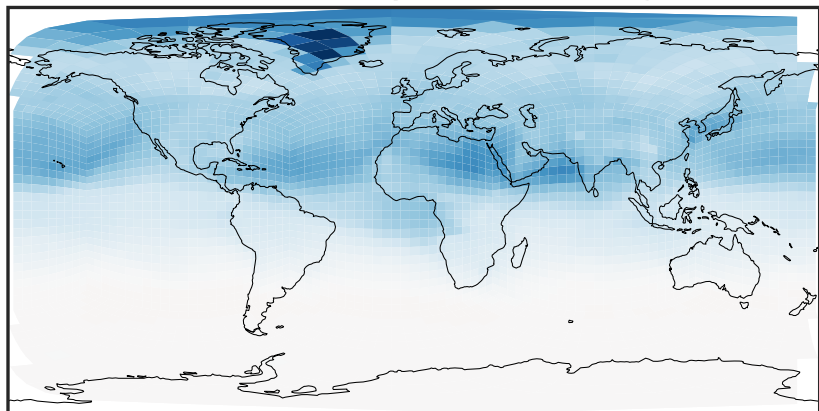
0.0 1.5 3.0 $1e-5$
s-1

GCHP_14.2.0 (Dev)
c24



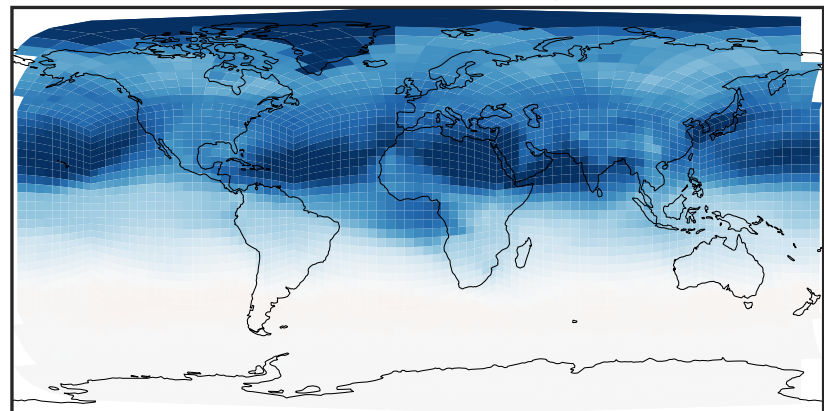
0.0 1.5 3.0 $1e-5$
s-1

Difference
Dev - Ref, Dynamic Range



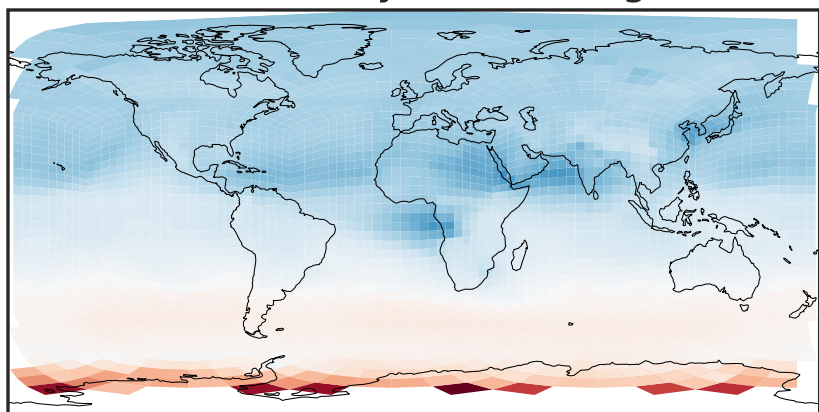
-2.5 0.0 2.5 $1e-7$
s-1

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



-1.5 0.0 1.5 $1e-7$
s-1

Ratio
Dev/Ref, Dynamic Range



0.96974 0.98487 1.00000 1.01560 1.03120
unitless

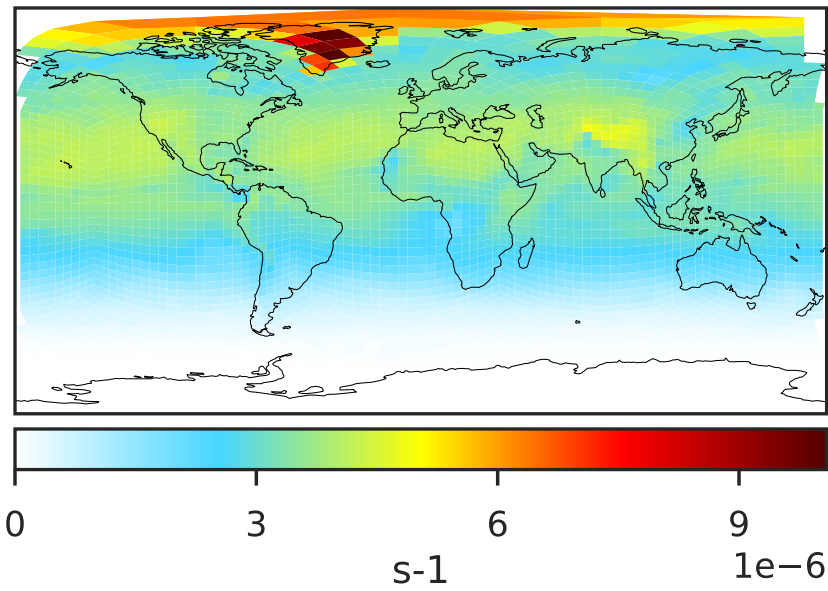
Ratio
Dev/Ref, Fixed Range



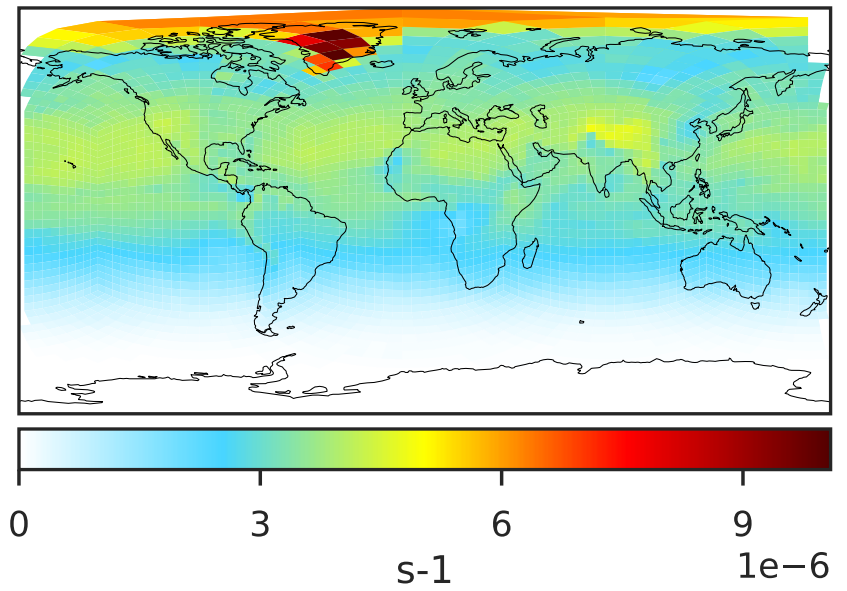
0.50 0.75 1.00 1.50 2.00
unitless

Jval_IDHDP (Jul2019)

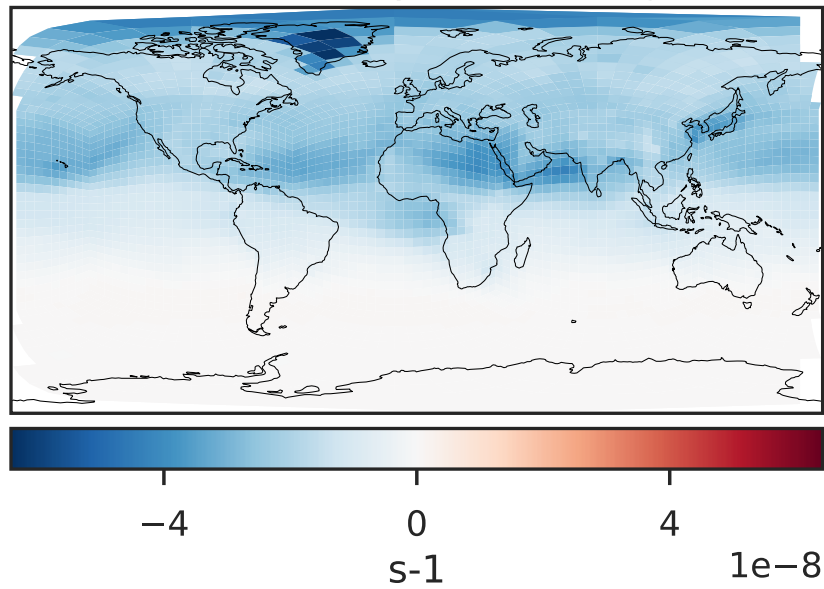
GCHP_14.0.0 (Ref)
c24



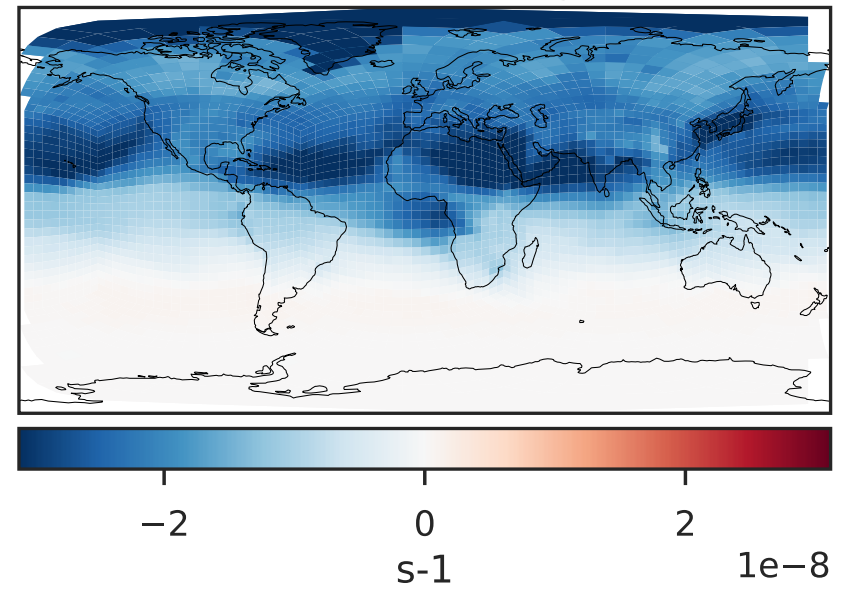
GCHP_14.2.0 (Dev)
c24



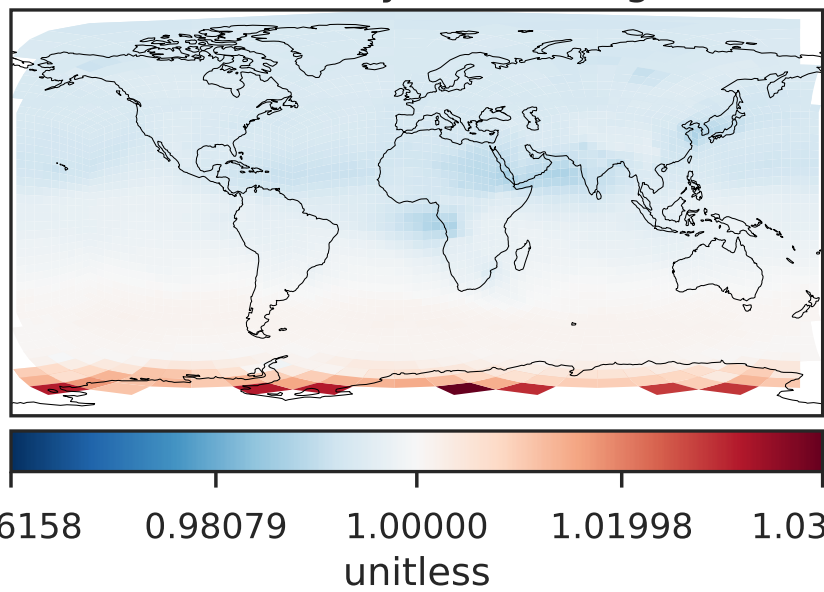
Difference
Dev - Ref, Dynamic Range



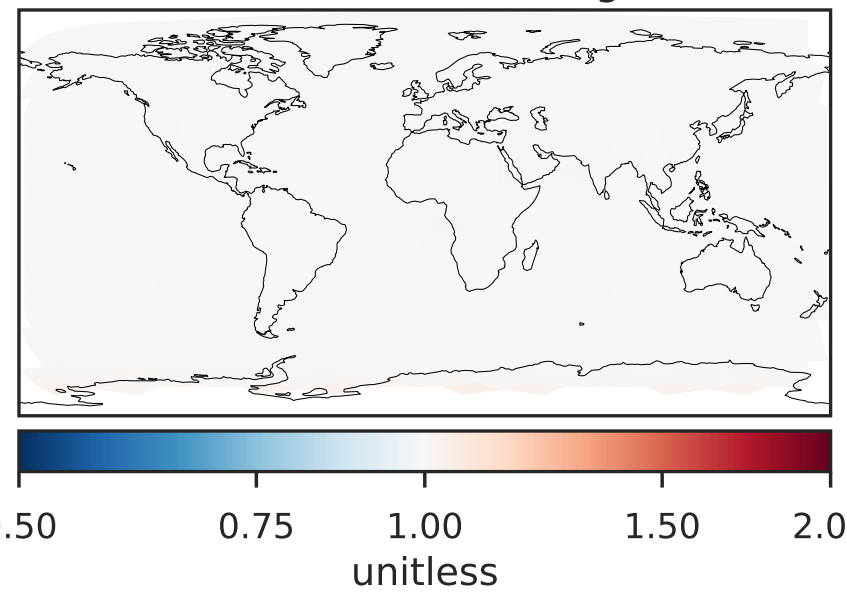
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

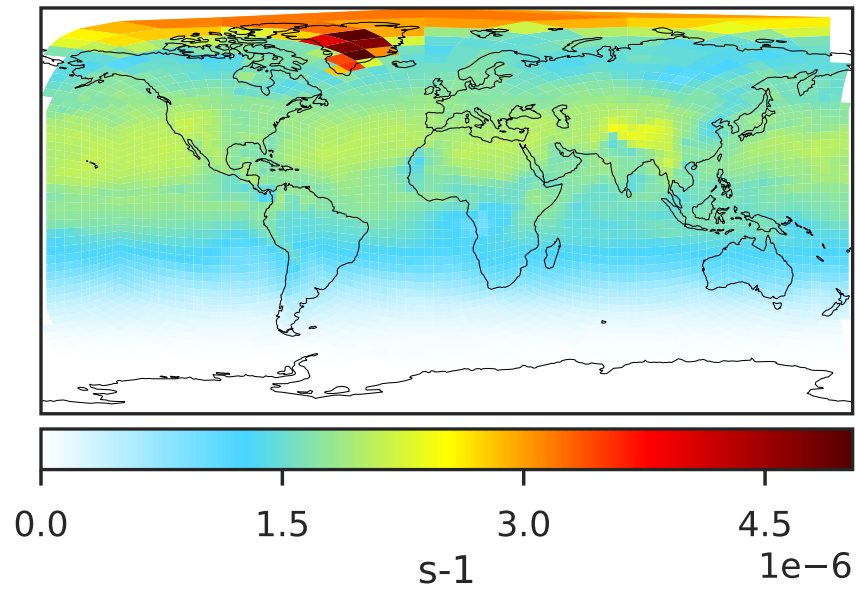


Ratio
Dev/Ref, Fixed Range

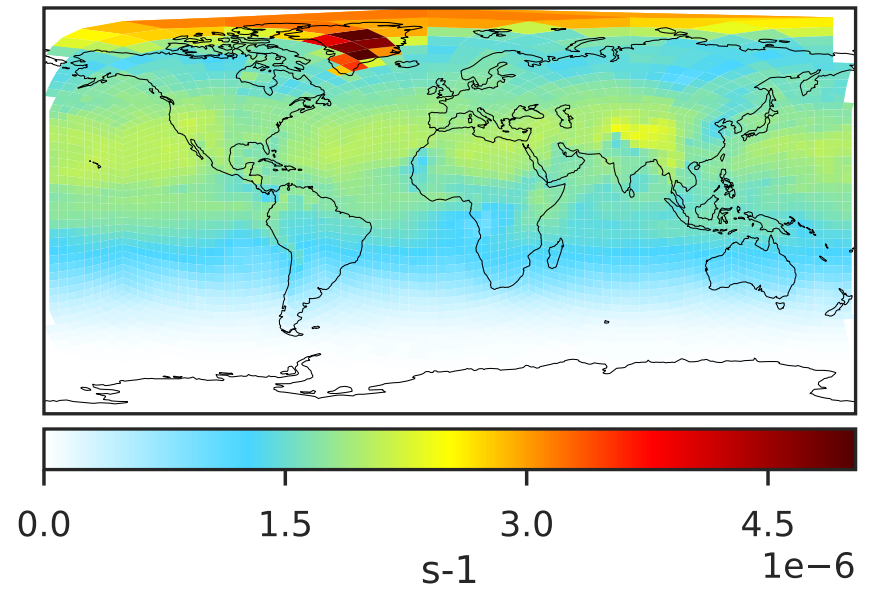


Jval_IDHPE (Jul2019)

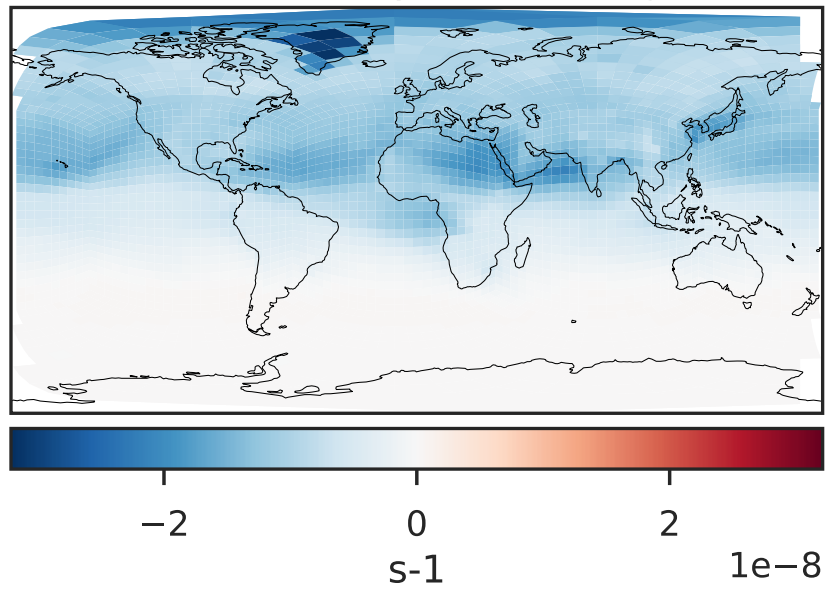
GCHP_14.0.0 (Ref)
c24



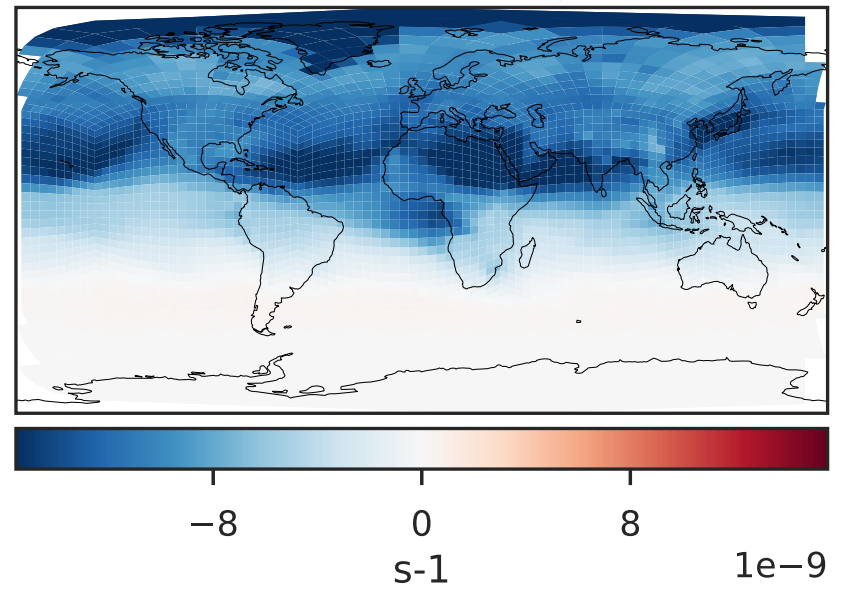
GCHP_14.2.0 (Dev)
c24



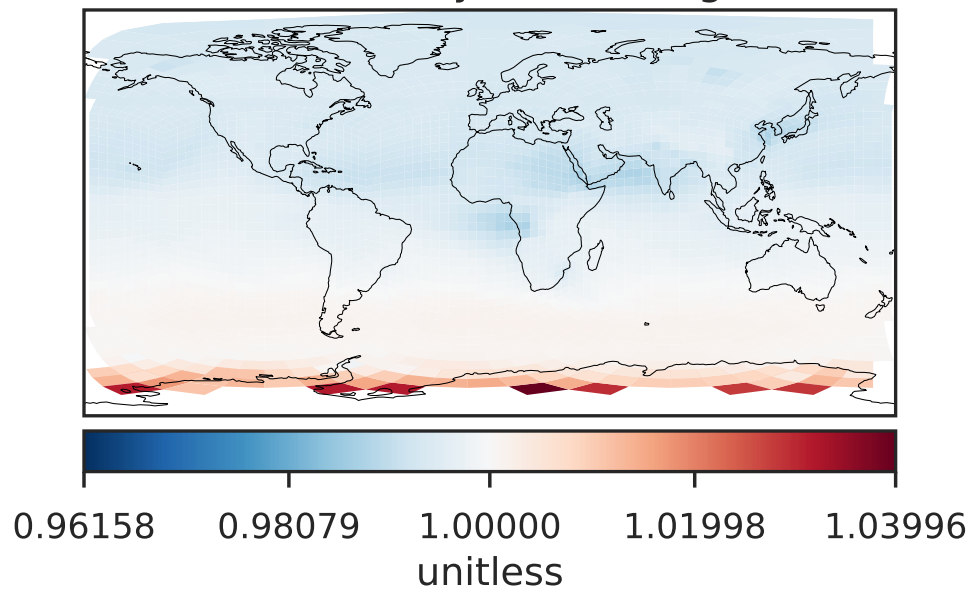
Difference
Dev - Ref, Dynamic Range



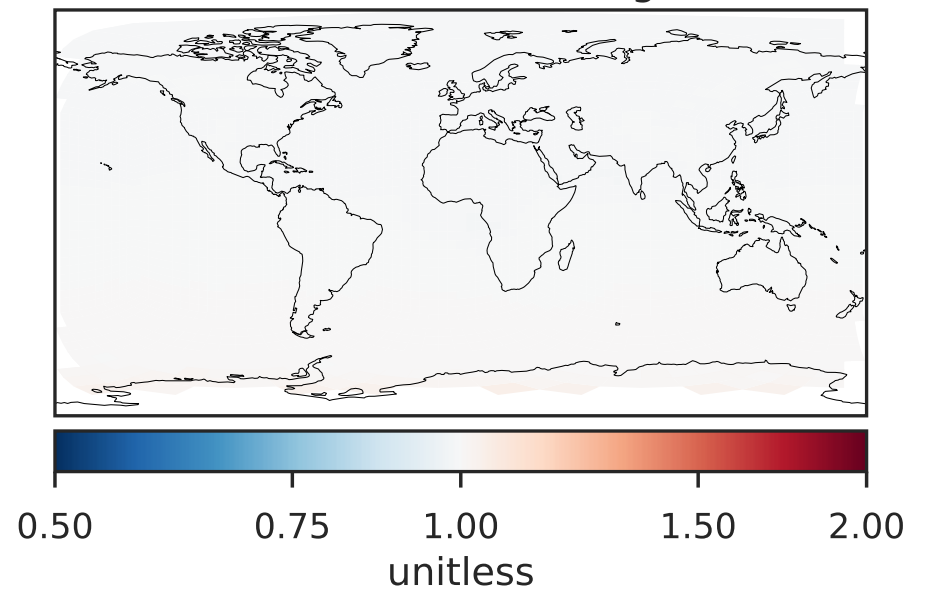
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

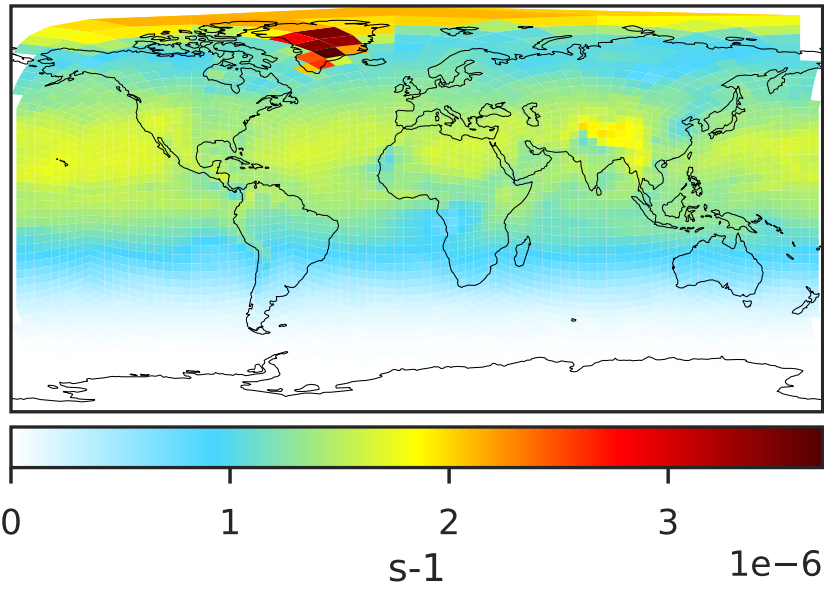


Ratio
Dev/Ref, Fixed Range

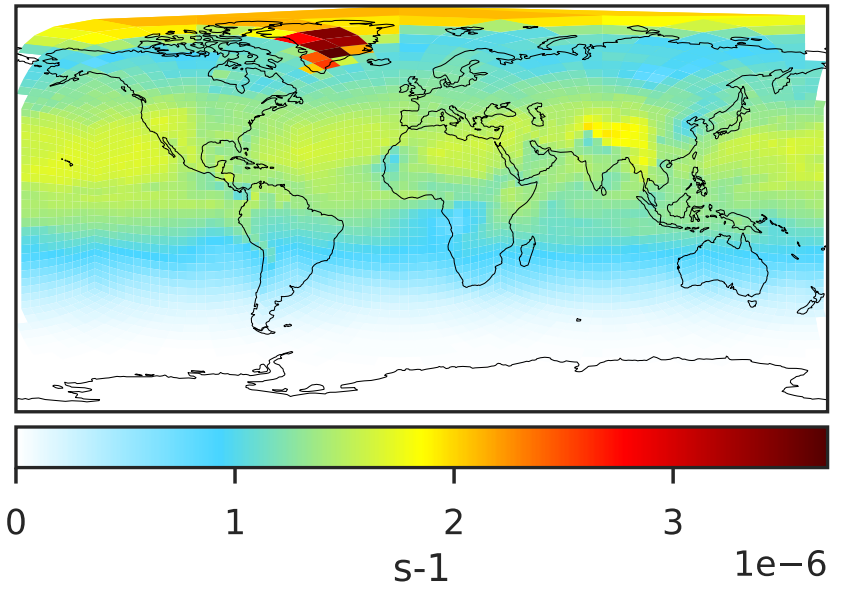


Jval_IDN (Jul2019)

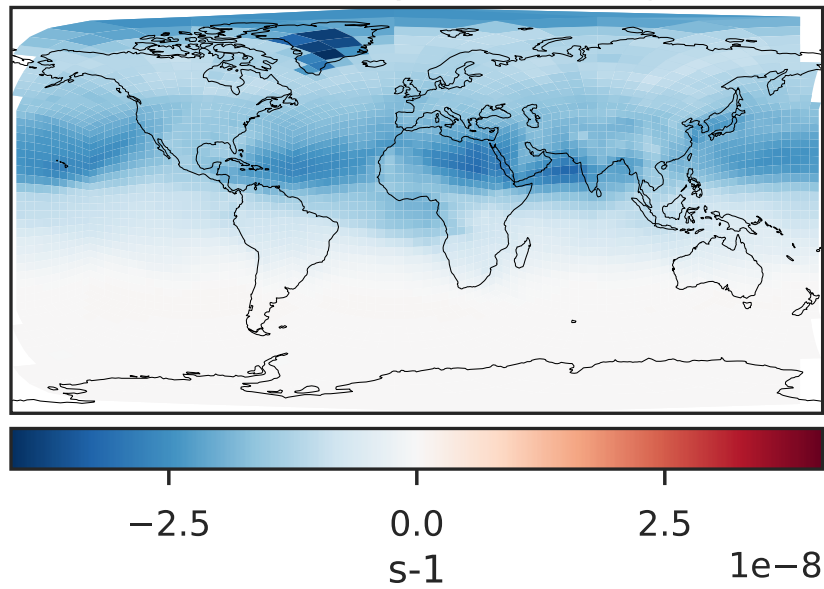
GCHP_14.0.0 (Ref)
c24



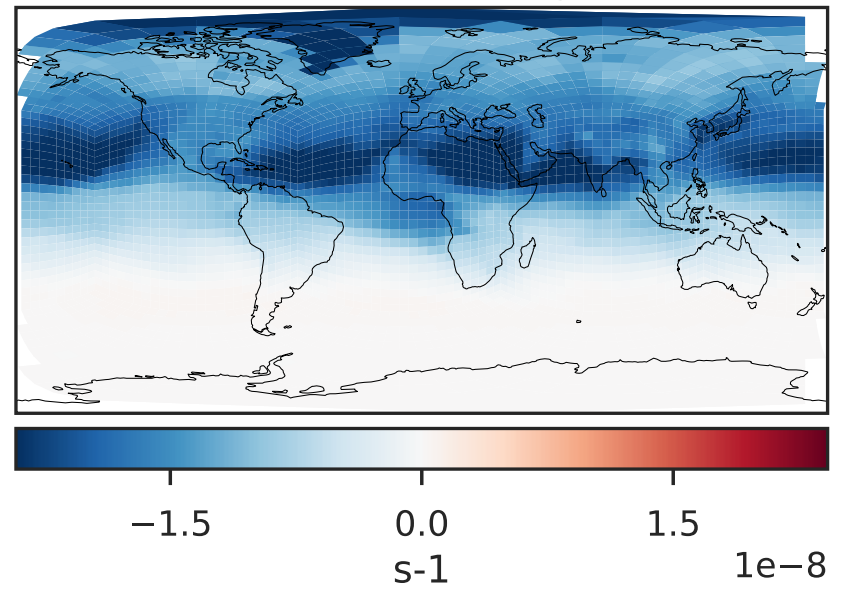
GCHP_14.2.0 (Dev)
c24



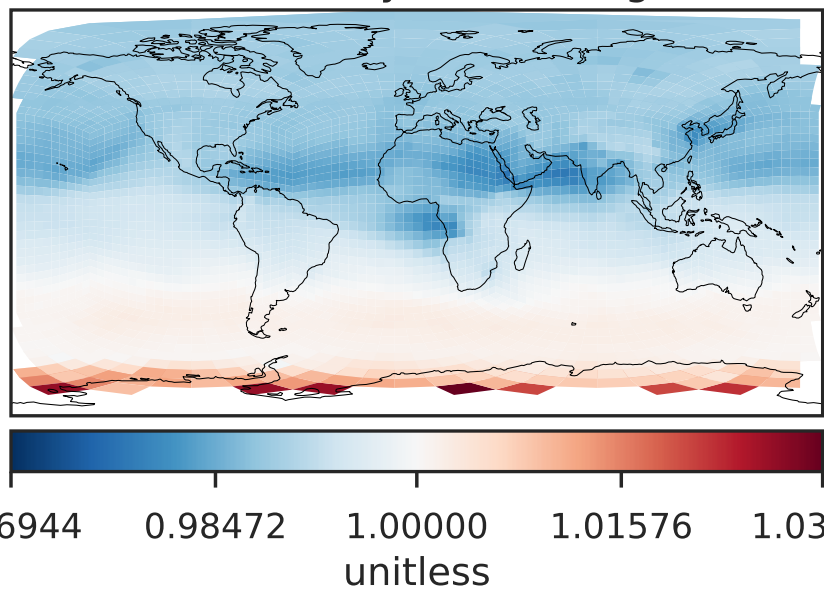
Difference
Dev - Ref, Dynamic Range



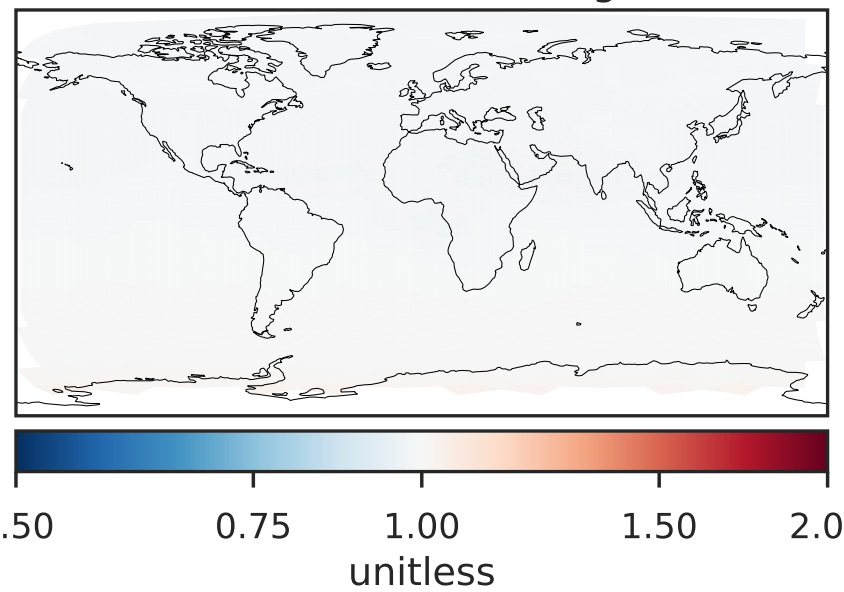
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

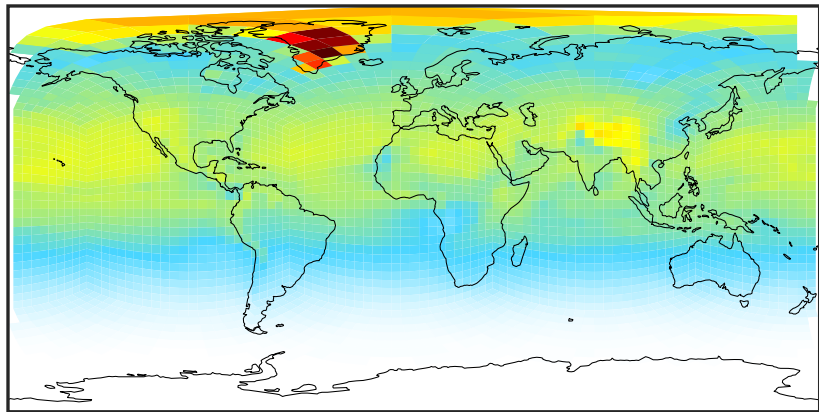


Ratio
Dev/Ref, Fixed Range



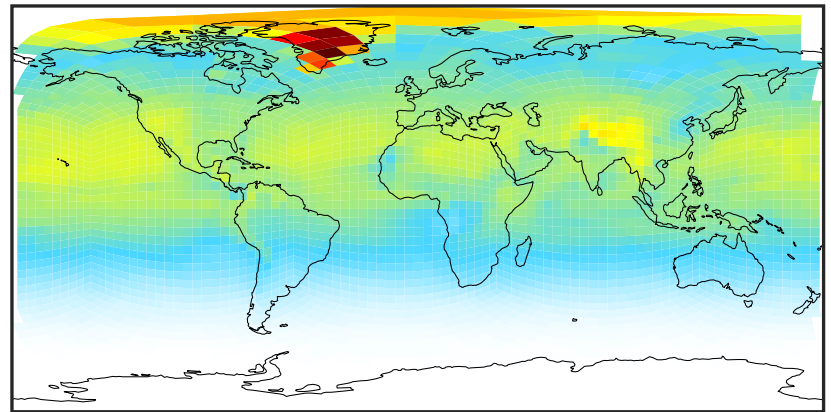
Jval_IHN1 (Jul2019)

GCHP_14.0.0 (Ref)
c24



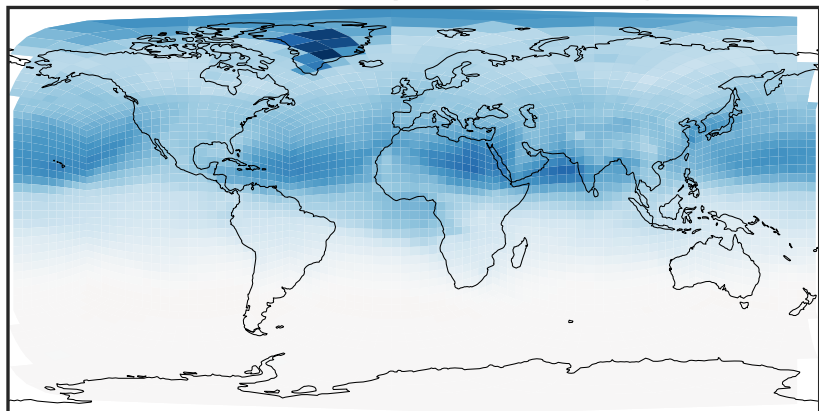
0.0 0.5 1.0 1.5
s-1 $1e-6$

GCHP_14.2.0 (Dev)
c24



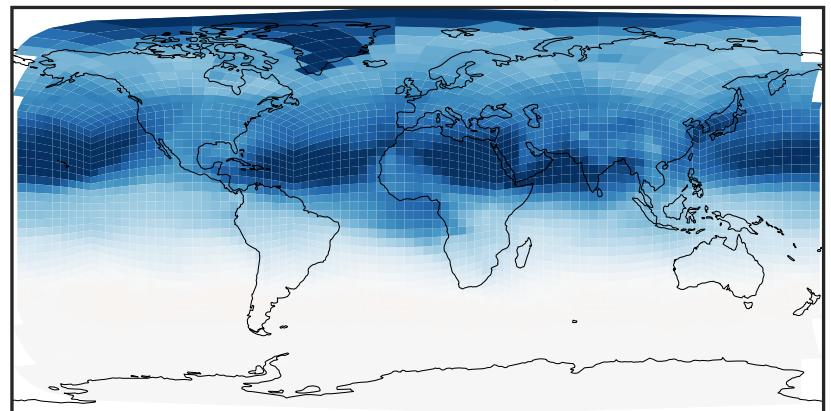
0.0 0.5 1.0 1.5
s-1 $1e-6$

Difference
Dev - Ref, Dynamic Range



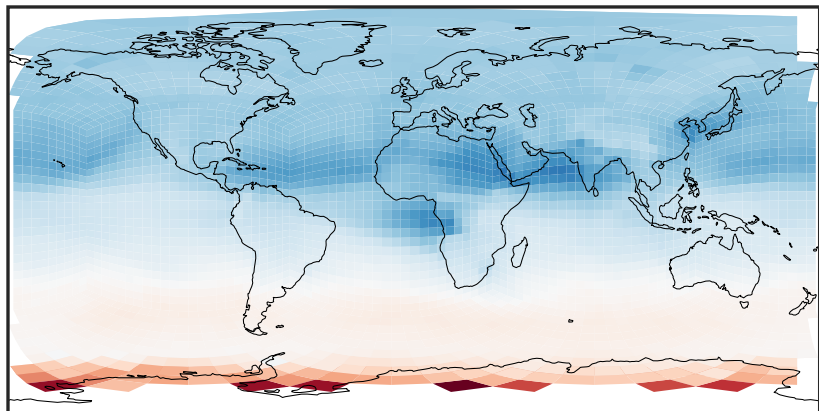
-1.5 0.0 1.5
s-1 $1e-8$

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



-8 0 8
s-1 $1e-9$

Ratio
Dev/Ref, Dynamic Range



0.96944 0.98472 1.00000 1.01576 1.03152
unitless

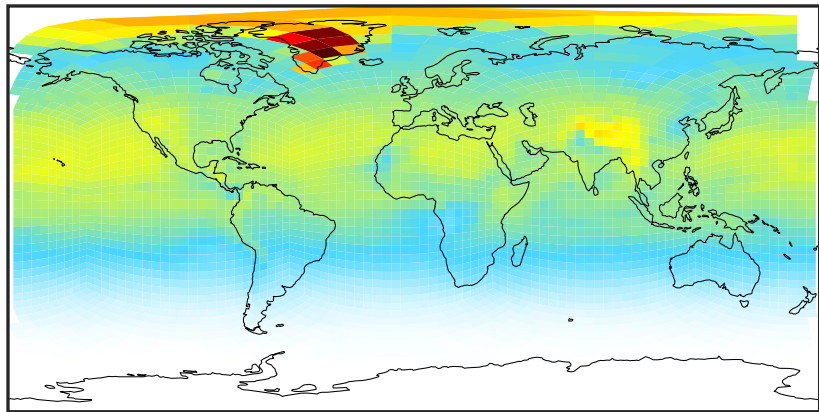
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

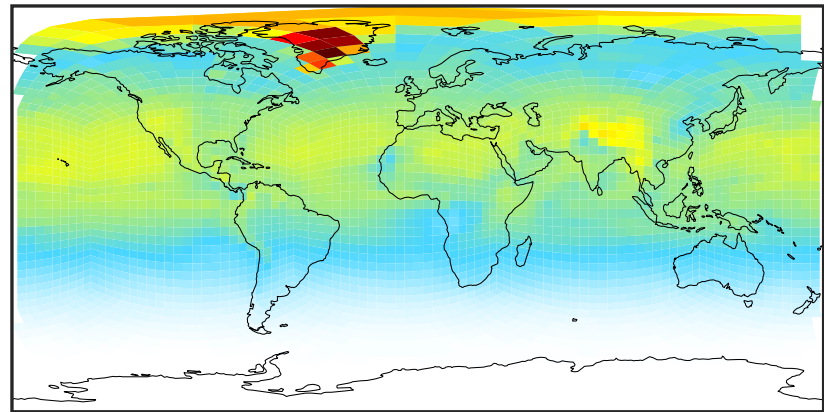
Jval_IHN2 (Jul2019)

GCHP_14.0.0 (Ref)
c24



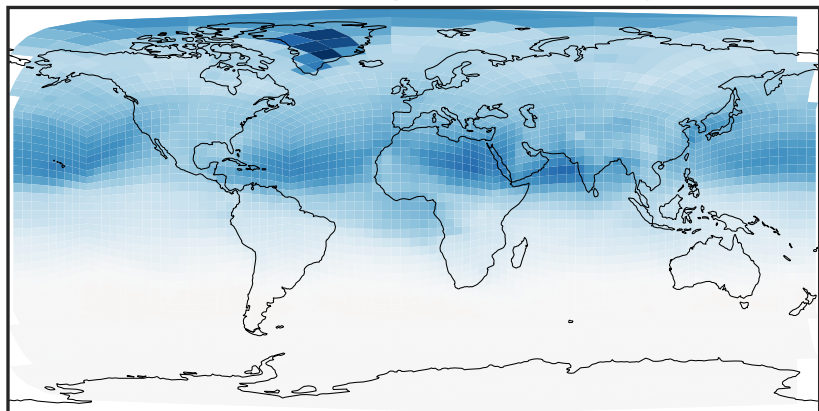
0.0 0.5 1.0 1.5
s-1 $1e-6$

GCHP_14.2.0 (Dev)
c24



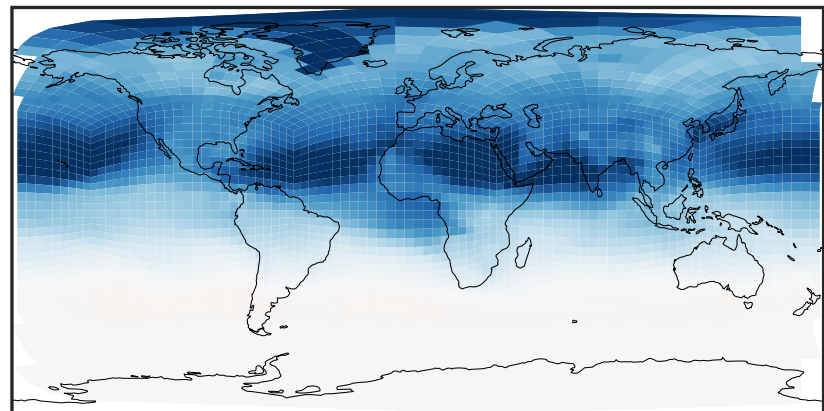
0.0 0.5 1.0 1.5
s-1 $1e-6$

Difference
Dev - Ref, Dynamic Range



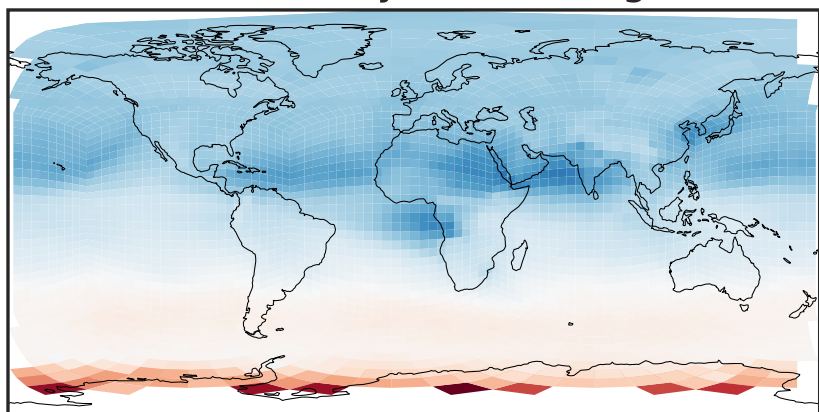
-1.5 0.0 1.5
s-1 $1e-8$

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



-8 0 8
s-1 $1e-9$

Ratio
Dev/Ref, Dynamic Range



0.96944 0.98472 1.00000 1.01576 1.03152
unitless

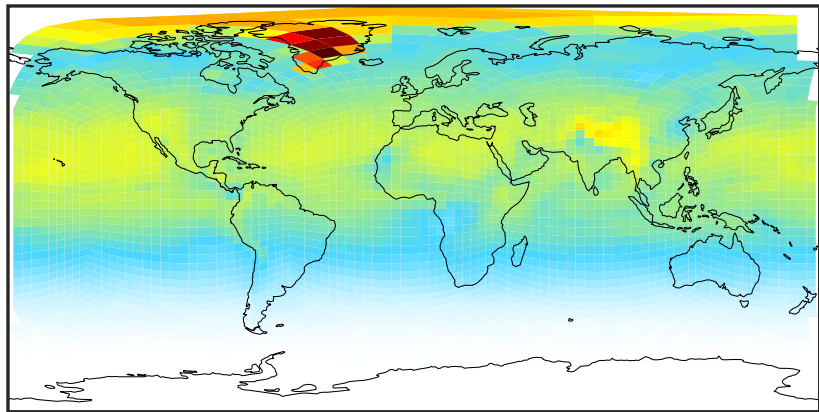
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

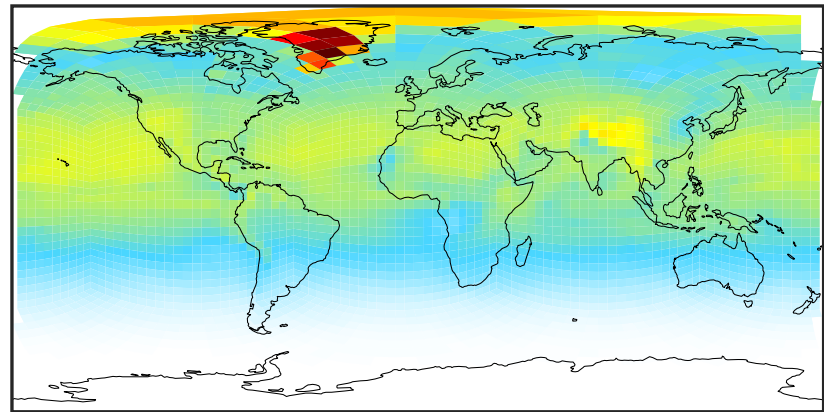
Jval_IHN3 (Jul2019)

GCHP_14.0.0 (Ref)
c24



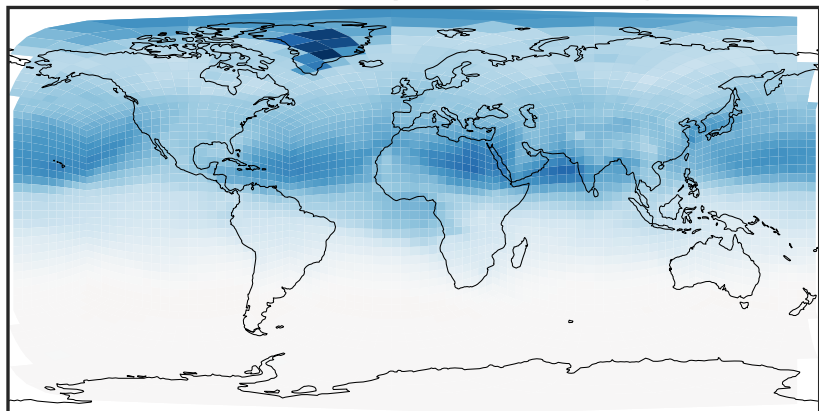
0.0 0.5 1.0 1.5
s-1 $1e-6$

GCHP_14.2.0 (Dev)
c24



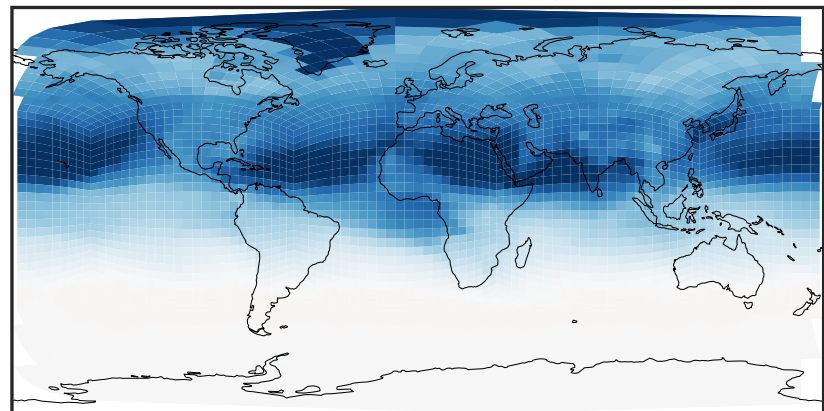
0.0 0.5 1.0 1.5
s-1 $1e-6$

Difference
Dev - Ref, Dynamic Range



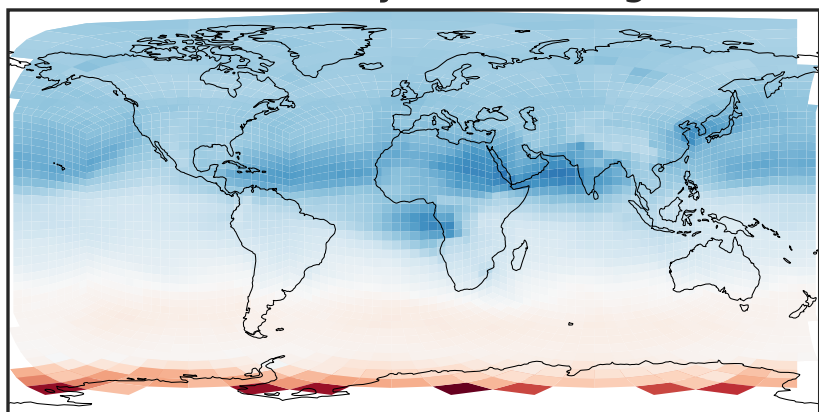
-1.5 0.0 1.5
s-1 $1e-8$

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



-8 0 8
s-1 $1e-9$

Ratio
Dev/Ref, Dynamic Range



0.96944 0.98472 1.00000 1.01576 1.03152
unitless

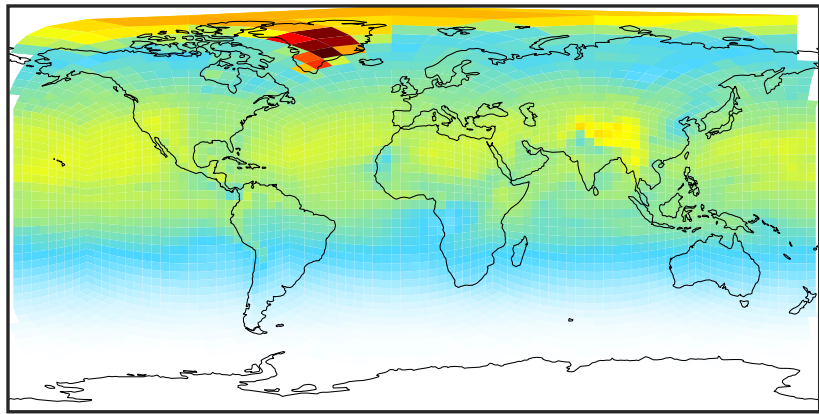
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

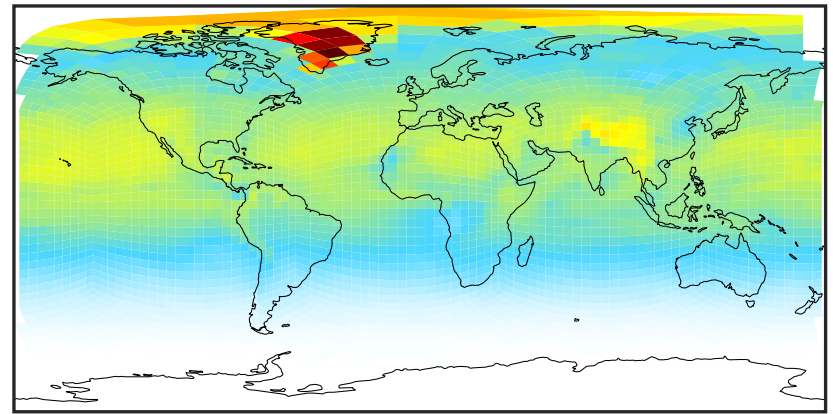
Jval_IHN4 (Jul2019)

GCHP_14.0.0 (Ref)
c24



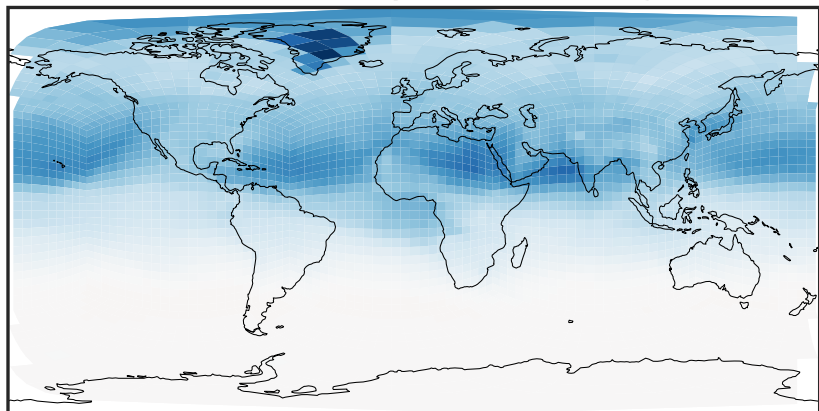
0.0 0.5 1.0 1.5 $1e-6$
s-1

GCHP_14.2.0 (Dev)
c24



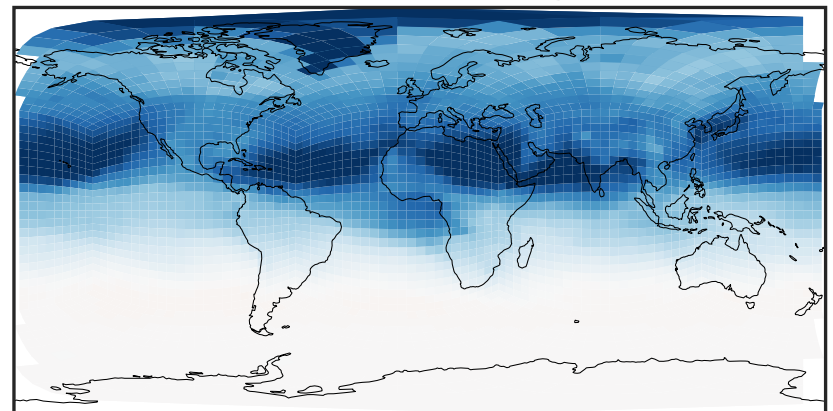
0.0 0.5 1.0 1.5 $1e-6$
s-1

Difference
Dev - Ref, Dynamic Range



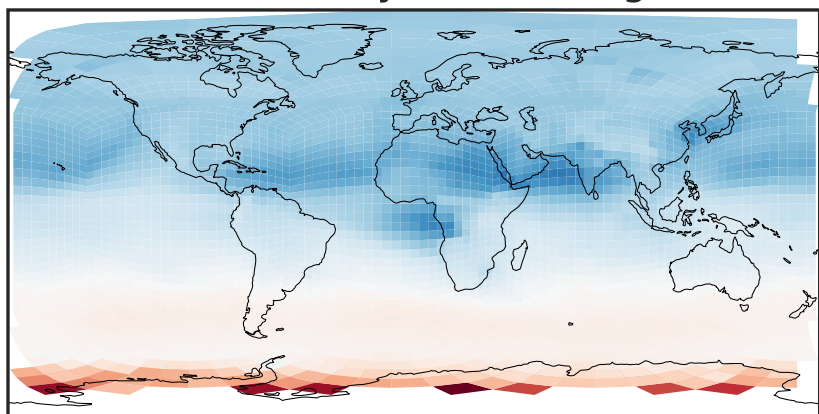
-1.5 0.0 1.5 $1e-8$
s-1

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



-8 0 8 $1e-9$
s-1

Ratio
Dev/Ref, Dynamic Range



0.96944 0.98472 1.00000 1.01576 1.03152
unitless

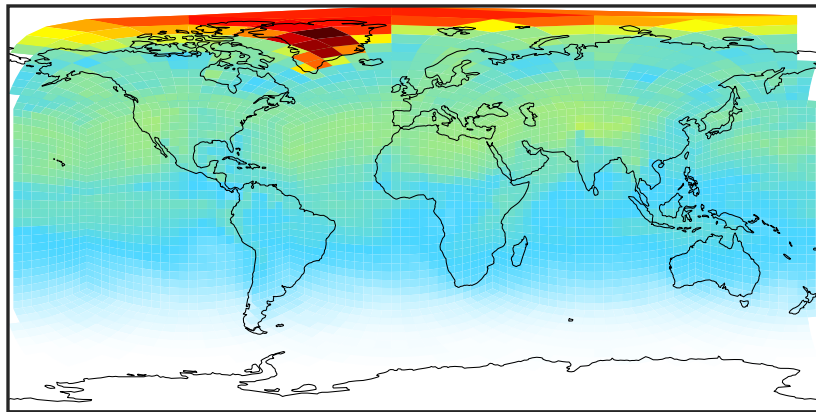
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

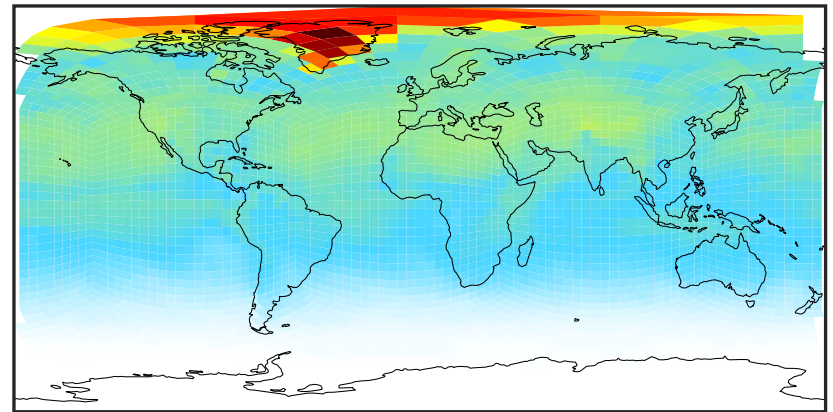
Jval_INO (Jul2019)

GCHP_14.0.0 (Ref)
c24



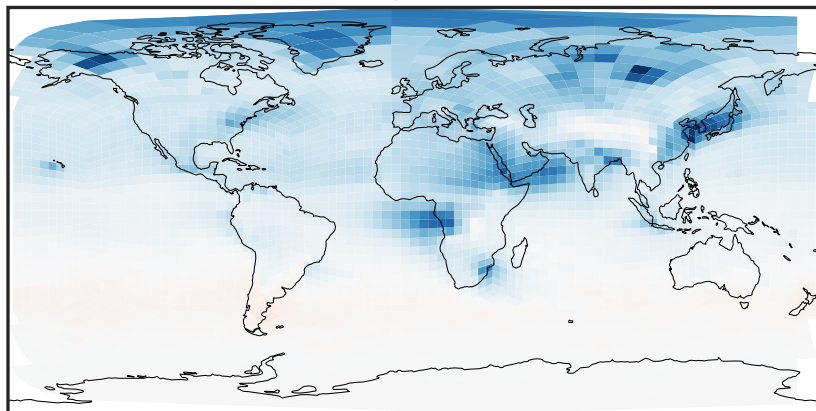
0.000 0.015 0.030
s-1

GCHP_14.2.0 (Dev)
c24



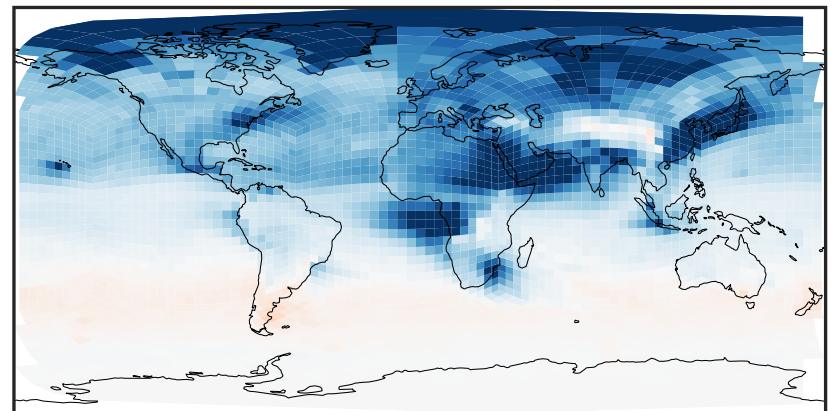
0.000 0.015 0.030
s-1

Difference
Dev - Ref, Dynamic Range



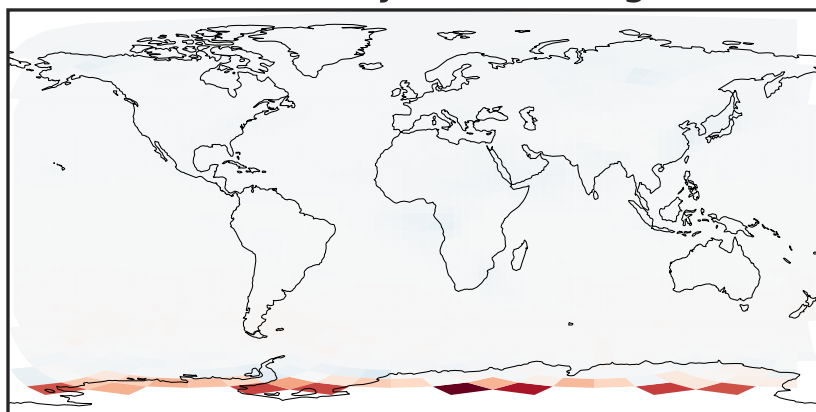
-2.5 0.0 2.5
s-1 1e-5

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



-1.5 0.0 1.5
s-1 1e-5

Ratio
Dev/Ref, Dynamic Range



0.9488 0.9744 1.0000 1.0270 1.0540
unitless

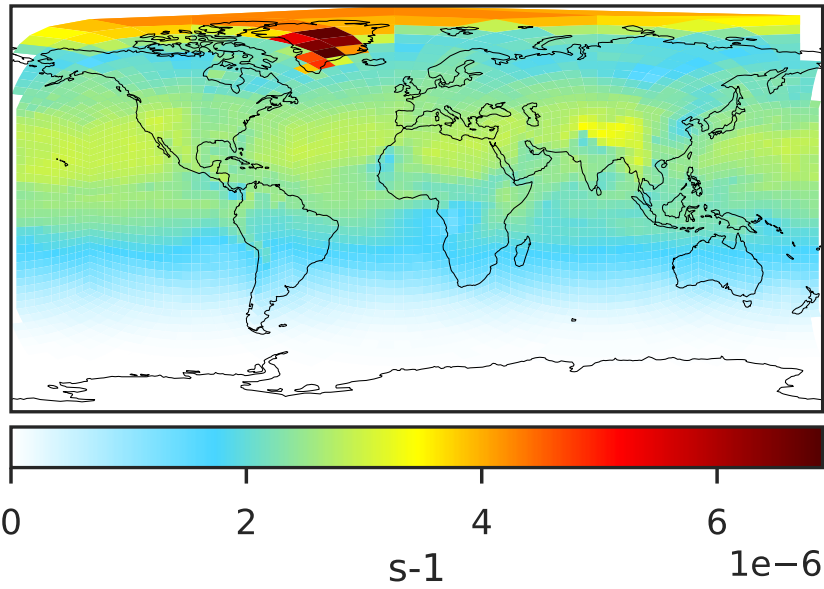
Ratio
Dev/Ref, Fixed Range



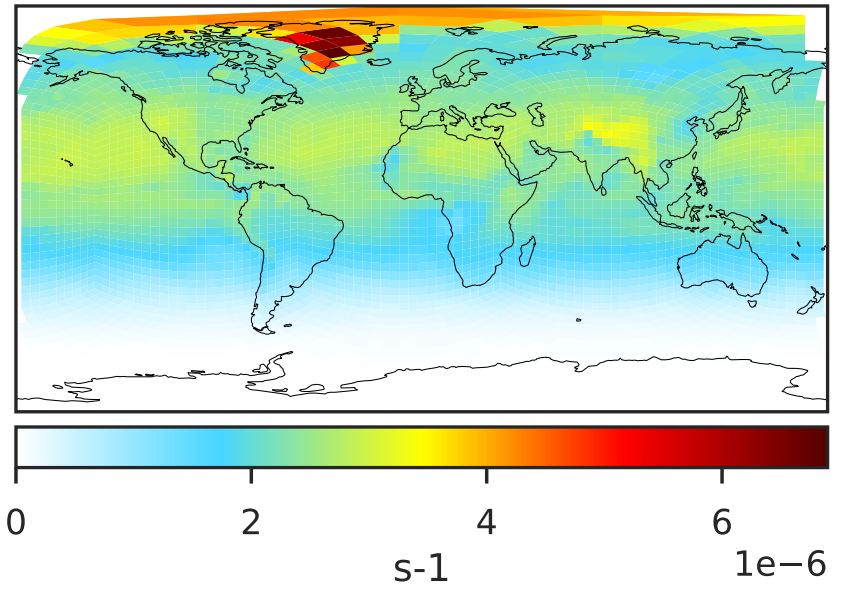
0.50 0.75 1.00 1.50 2.00
unitless

Jval_INPB (Jul2019)

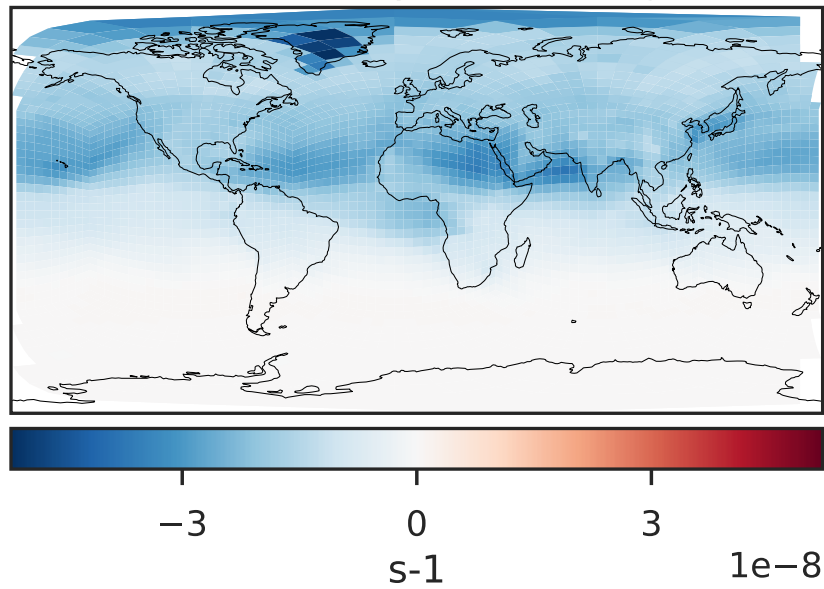
GCHP_14.0.0 (Ref)
c24



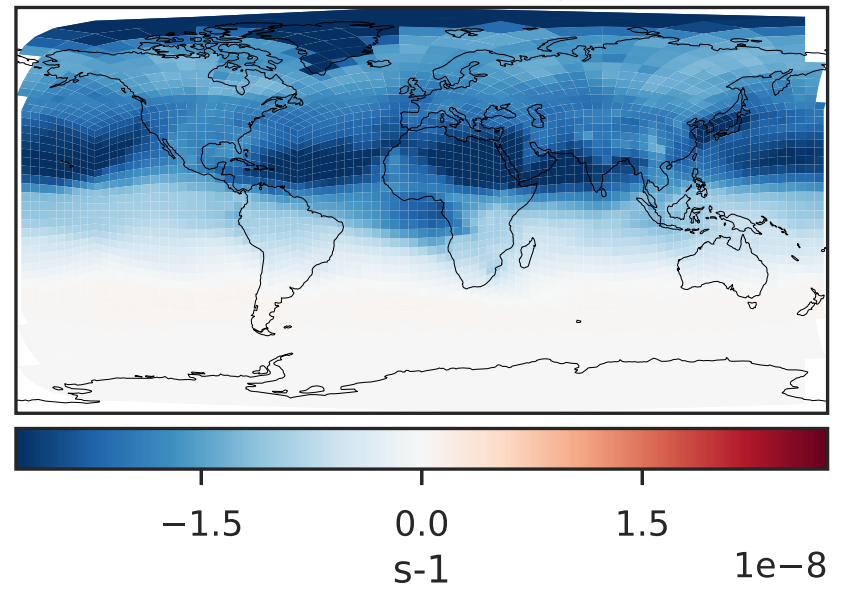
GCHP_14.2.0 (Dev)
c24



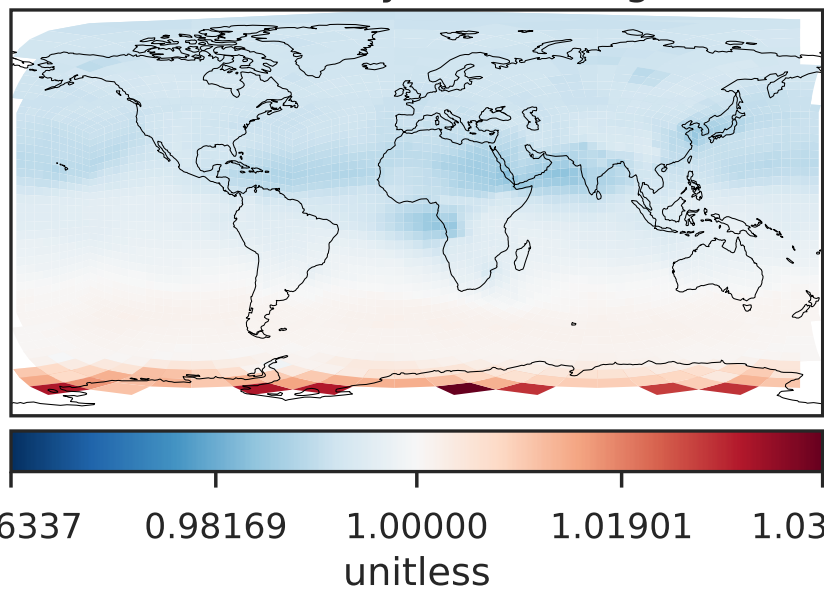
Difference
Dev - Ref, Dynamic Range



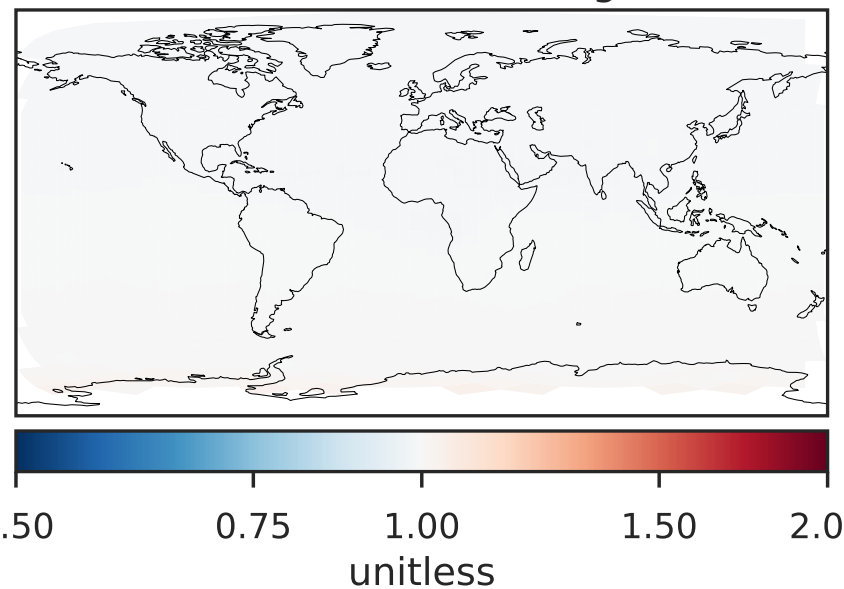
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

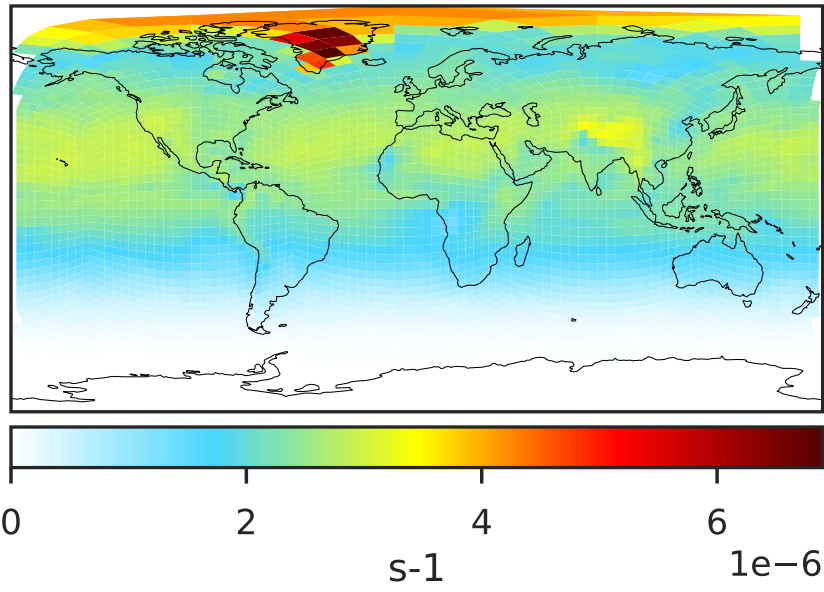


Ratio
Dev/Ref, Fixed Range

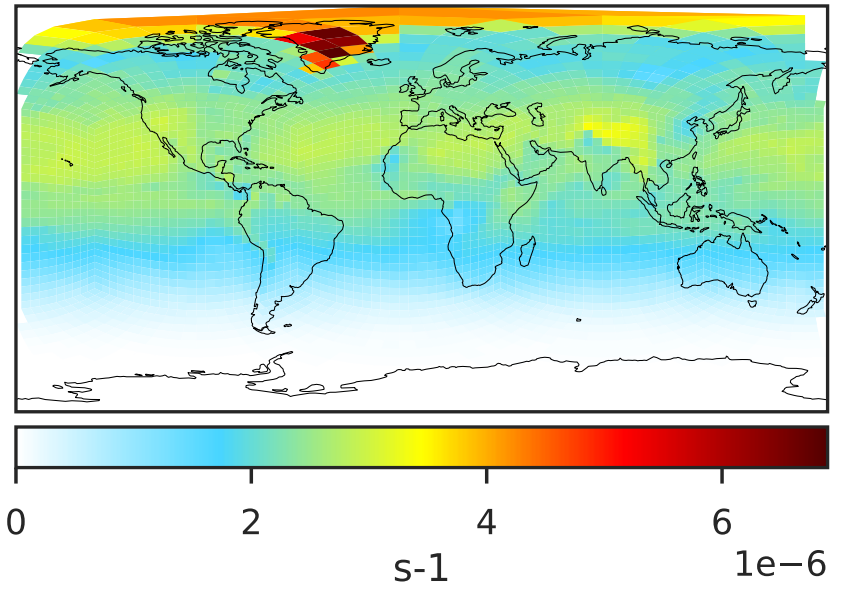


Jval_INPD (Jul2019)

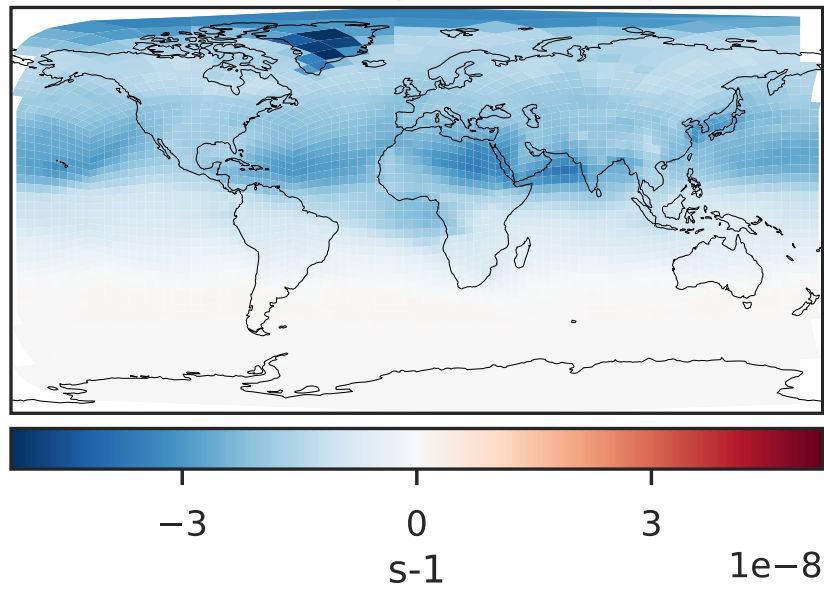
GCHP_14.0.0 (Ref)
c24



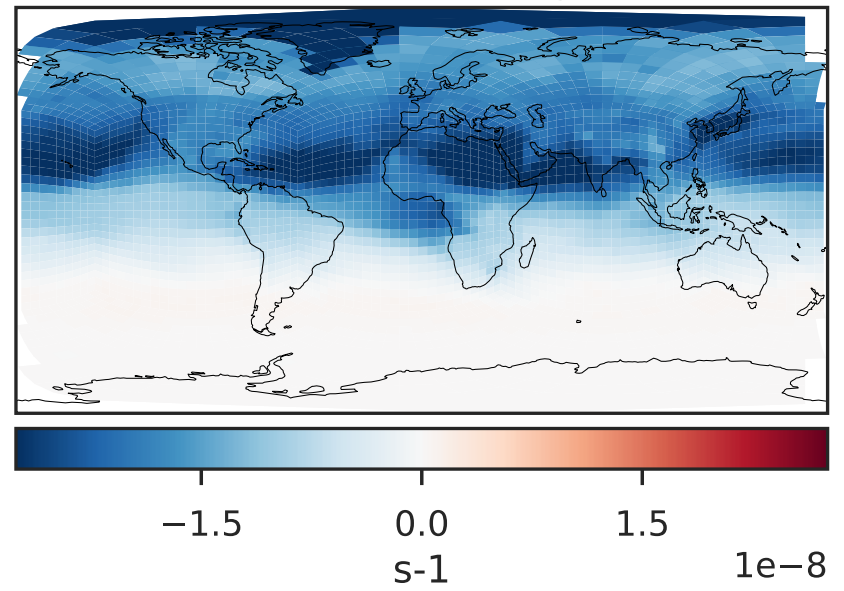
GCHP_14.2.0 (Dev)
c24



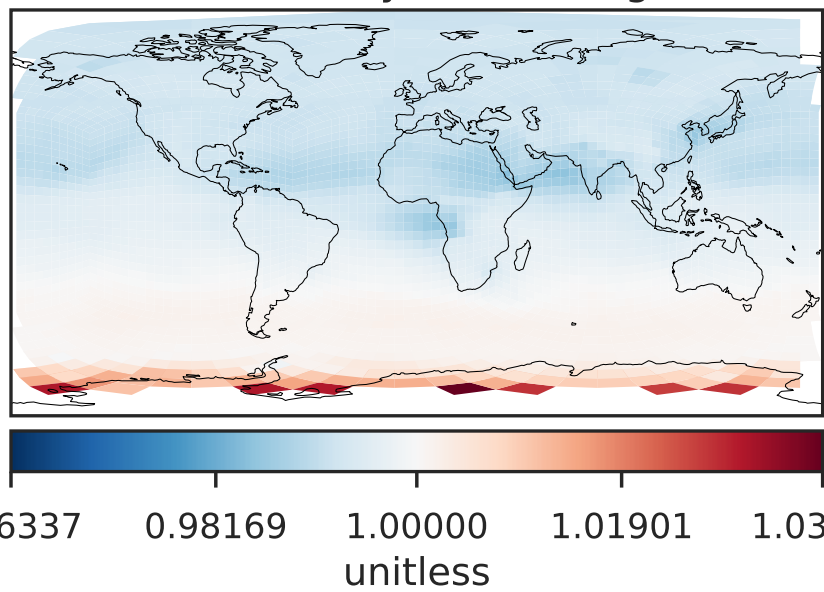
Difference
Dev - Ref, Dynamic Range



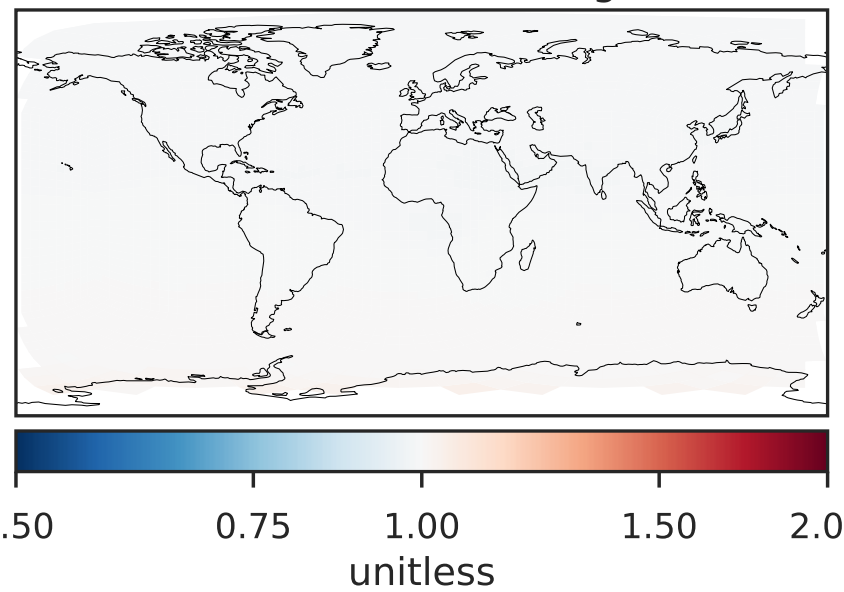
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

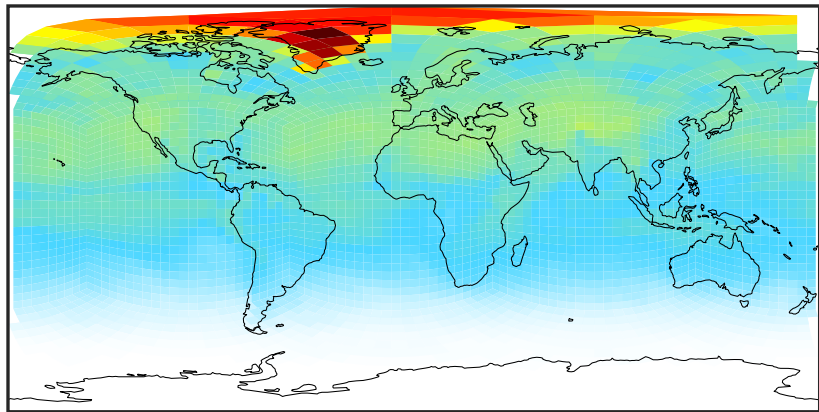


Ratio
Dev/Ref, Fixed Range



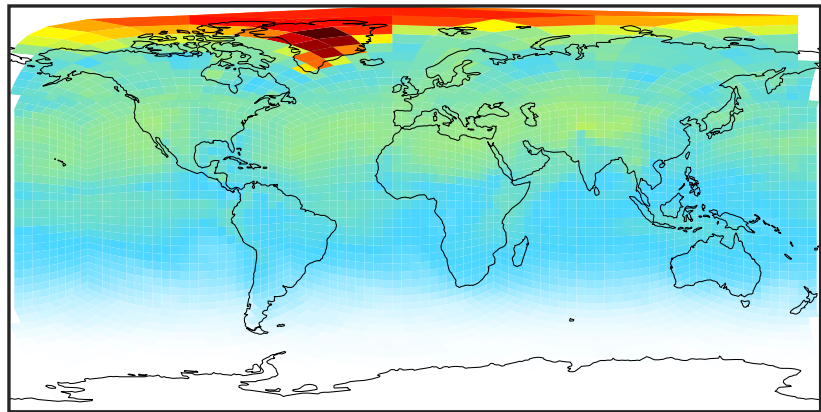
Jval_IO (Jul2019)

GCHP_14.0.0 (Ref)
c24



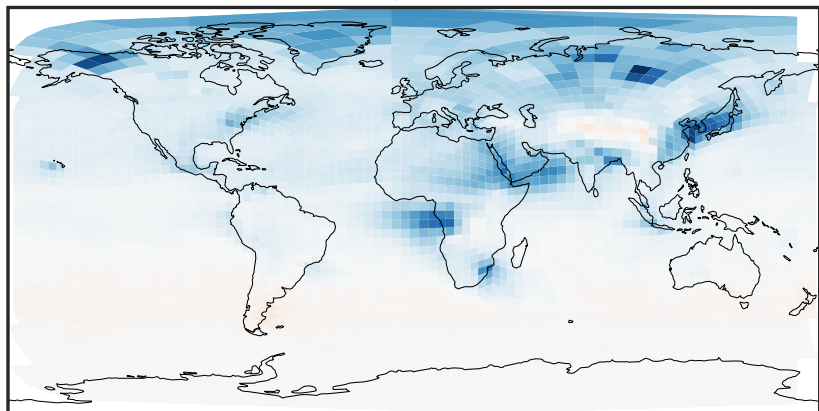
0.0000 0.0647 0.1295 0.1942 0.2589
s-1

GCHP_14.2.0 (Dev)
c24



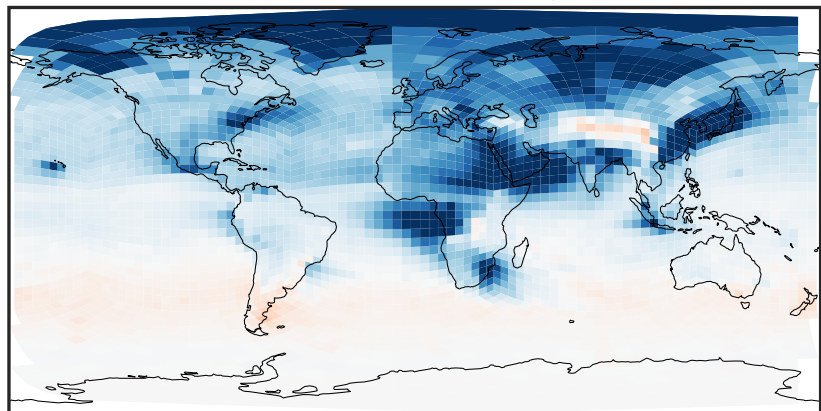
0.0000 0.0647 0.1295 0.1942 0.2589
s-1

Difference
Dev - Ref, Dynamic Range



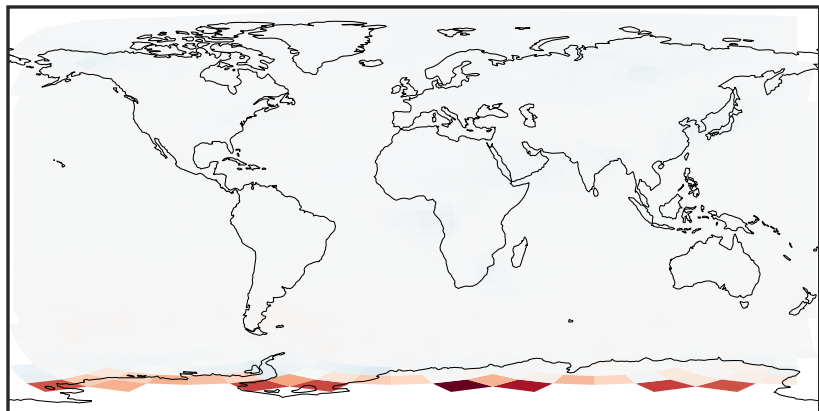
-0.00015 0.00000 0.00015
s-1

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



-6 0 6
s-1 1e-5

Ratio
Dev/Ref, Dynamic Range



0.9479 0.9739 1.0000 1.0275 1.0550
unitless

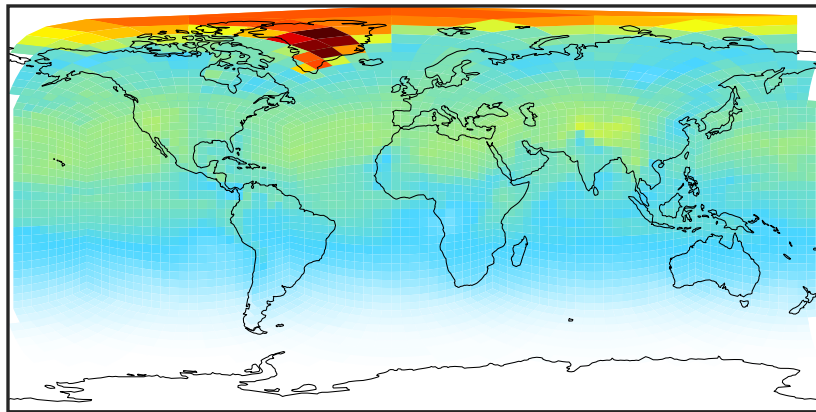
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

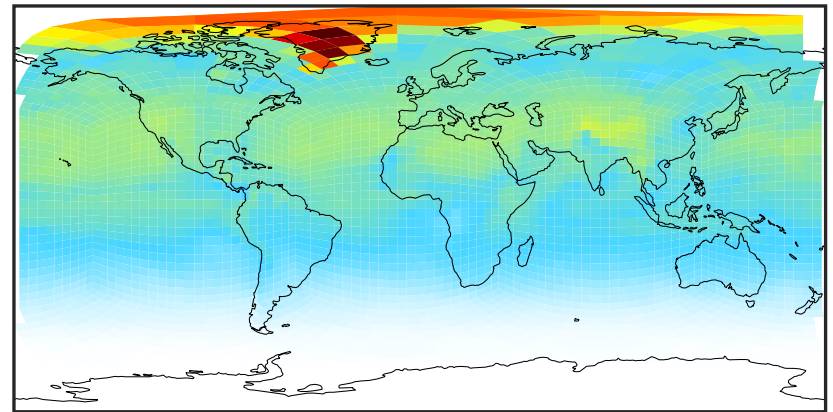
Jval_IONO (Jul2019)

GCHP_14.0.0 (Ref)
c24



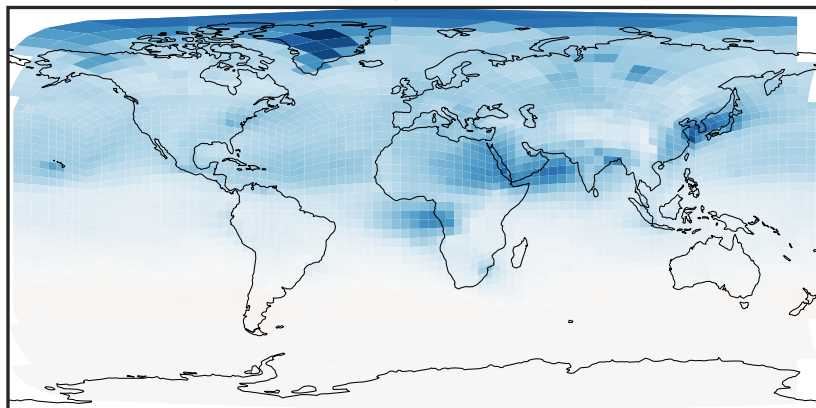
0.0000 0.0008 0.0016 0.0024
s-1

GCHP_14.2.0 (Dev)
c24



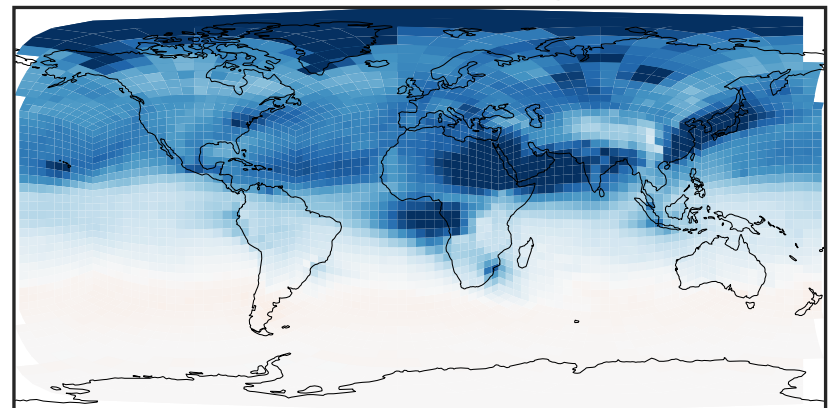
0.0000 0.0008 0.0016 0.0024
s-1

Difference
Dev - Ref, Dynamic Range



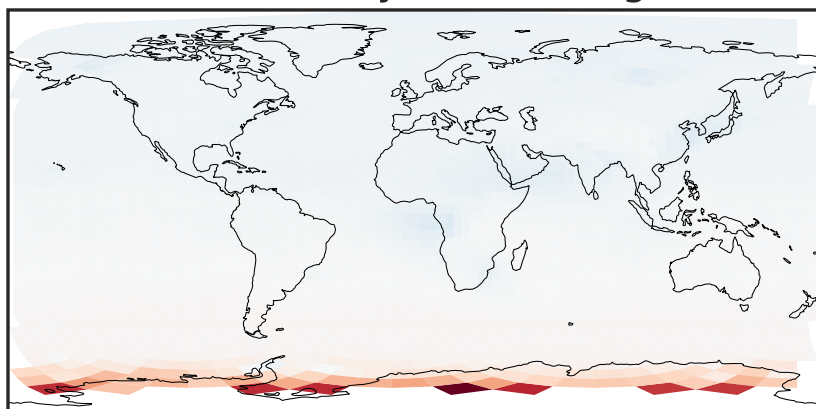
-4 0 4
s-1 1e-6

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



-2 0 2
s-1 1e-6

Ratio
Dev/Ref, Dynamic Range



0.95487 0.97743 1.00000 1.02363 1.04726
unitless

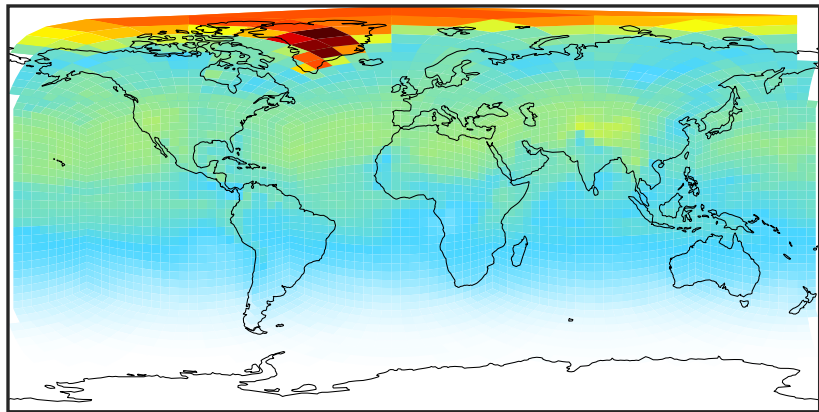
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

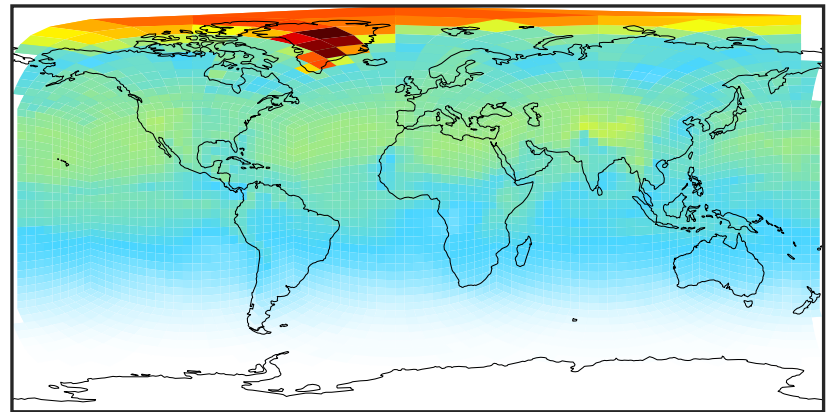
Jval_IONO2 (Jul2019)

GCHP_14.0.0 (Ref)
c24



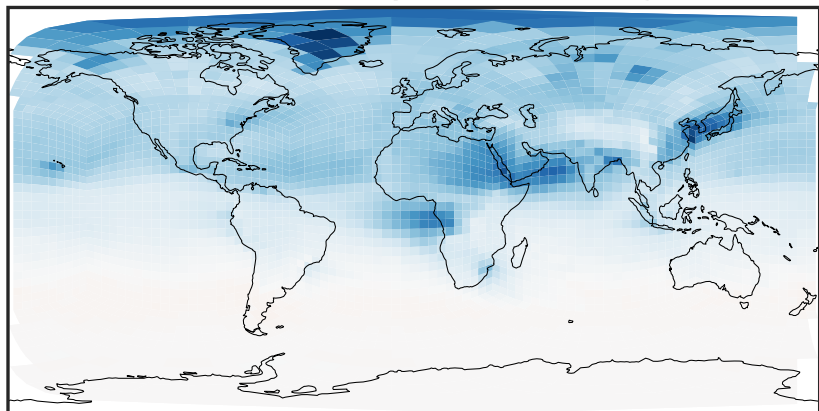
0.000 0.003 0.006 0.009
s-1

GCHP_14.2.0 (Dev)
c24



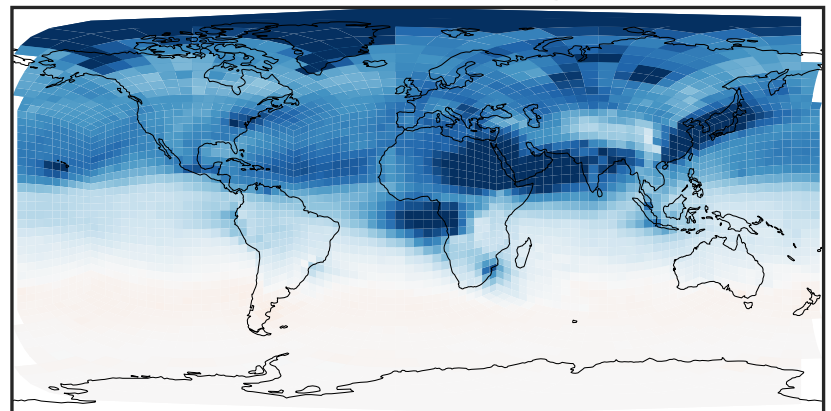
0.000 0.003 0.006 0.009
s-1

Difference
Dev - Ref, Dynamic Range



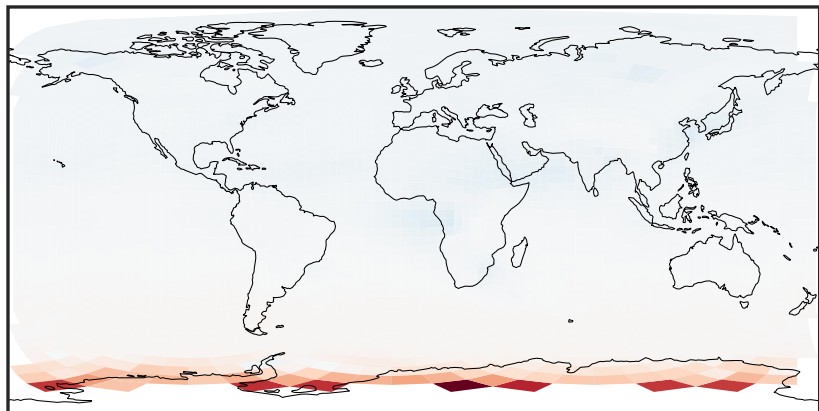
-1.5 0.0 1.5
s-1 $1e-5$

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



-6 0 6
s-1 $1e-6$

Ratio
Dev/Ref, Dynamic Range



0.95209 0.97604 1.00000 1.02516 1.05032
unitless

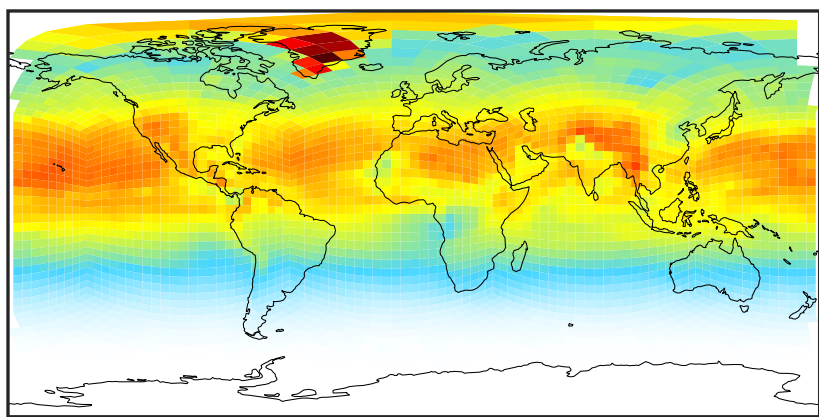
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

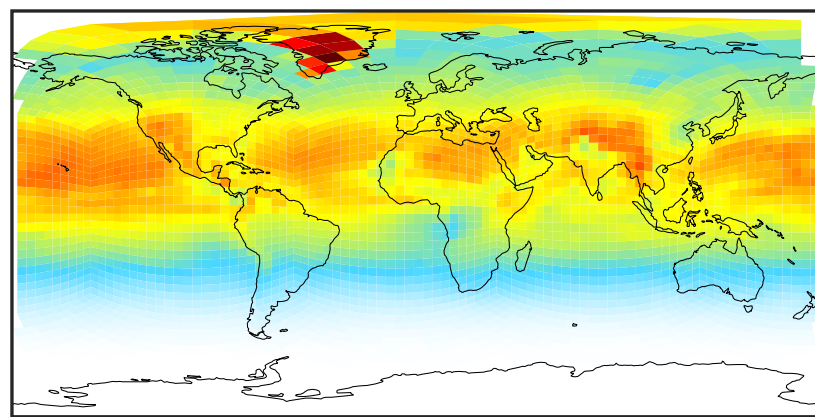
Jval_IPRNO3 (Jul2019)

GCHP_14.0.0 (Ref)
c24



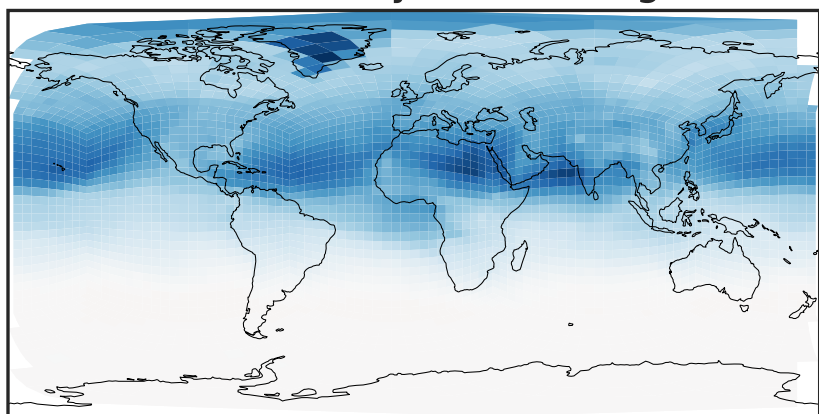
0.0 0.4 0.8 1.2 10^{-6} s-1

GCHP_14.2.0 (Dev)
c24



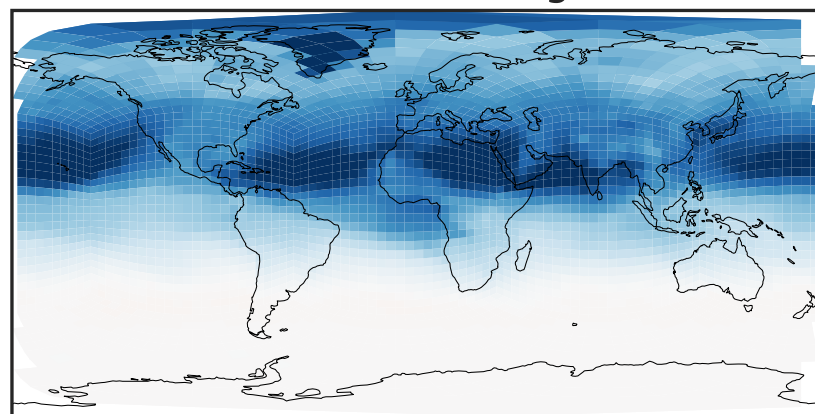
0.0 0.4 0.8 1.2 10^{-6} s-1

Difference
Dev - Ref, Dynamic Range



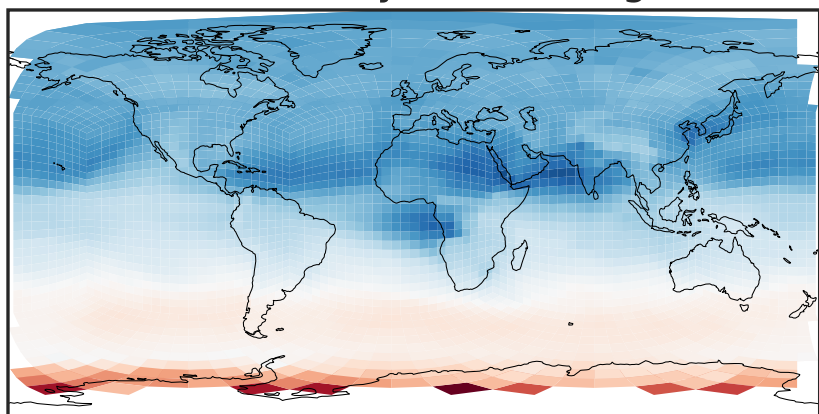
-1.5 0.0 1.5 10^{-8} s-1

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



-1 0 1 10^{-8} s-1

Ratio
Dev/Ref, Dynamic Range



0.96908 0.98454 1.00000 1.01595 1.03191 unitless

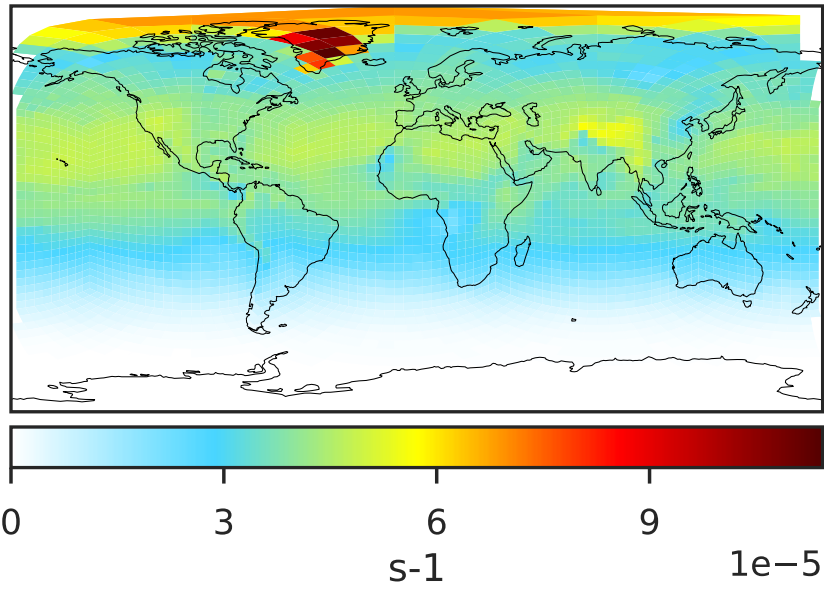
Ratio
Dev/Ref, Fixed Range



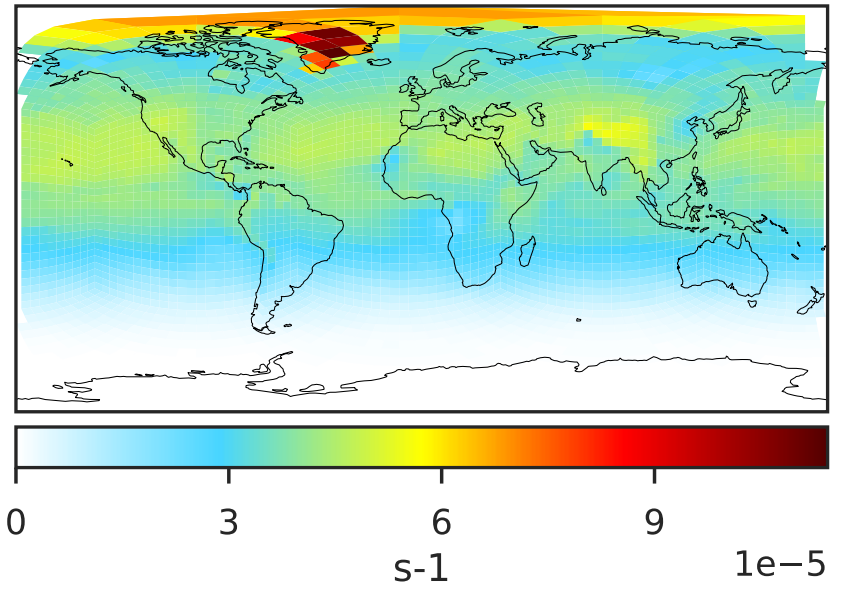
0.50 0.75 1.00 1.50 2.00 unitless

Jval_ITCN (Jul2019)

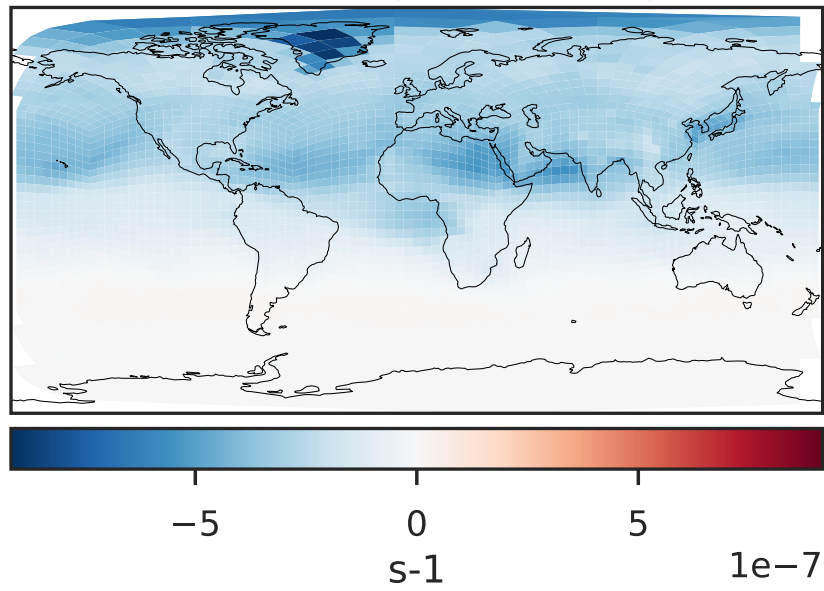
GCHP_14.0.0 (Ref)
c24



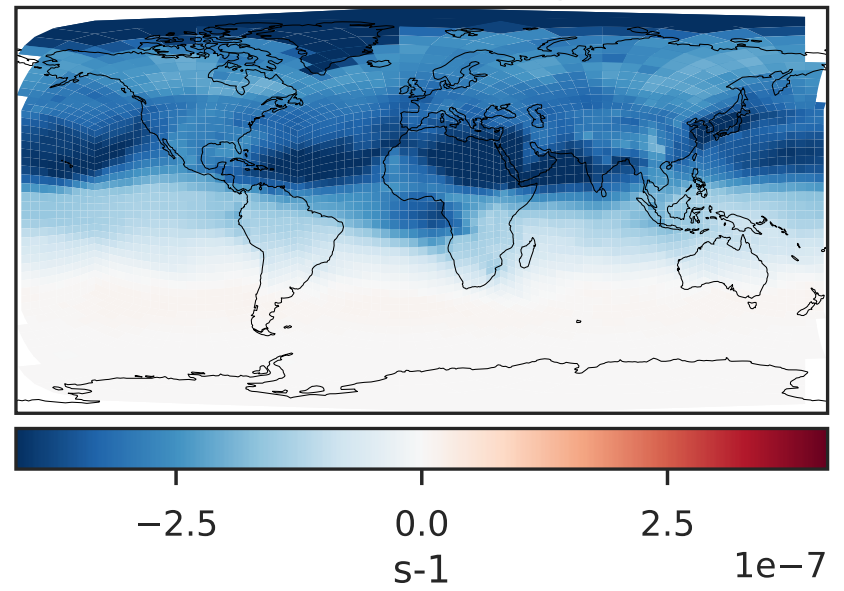
GCHP_14.2.0 (Dev)
c24



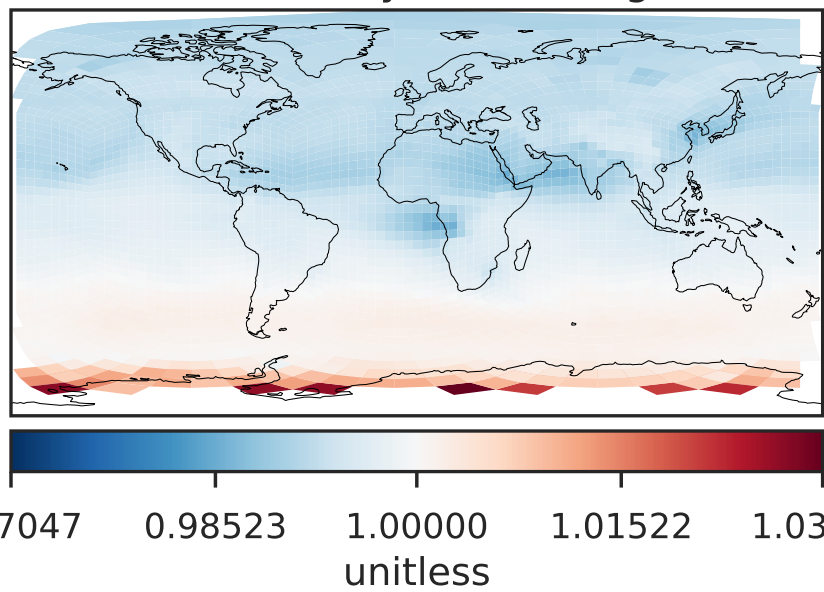
Difference
Dev - Ref, Dynamic Range



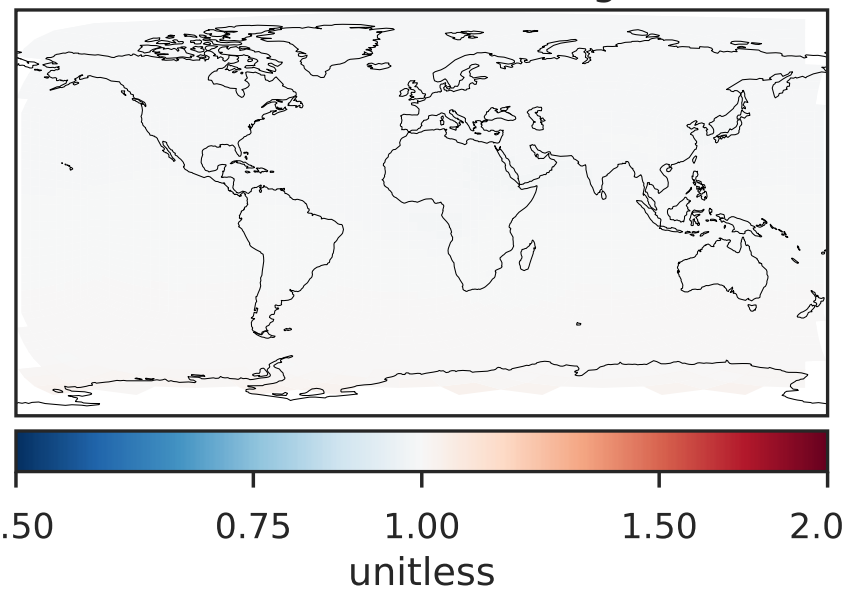
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

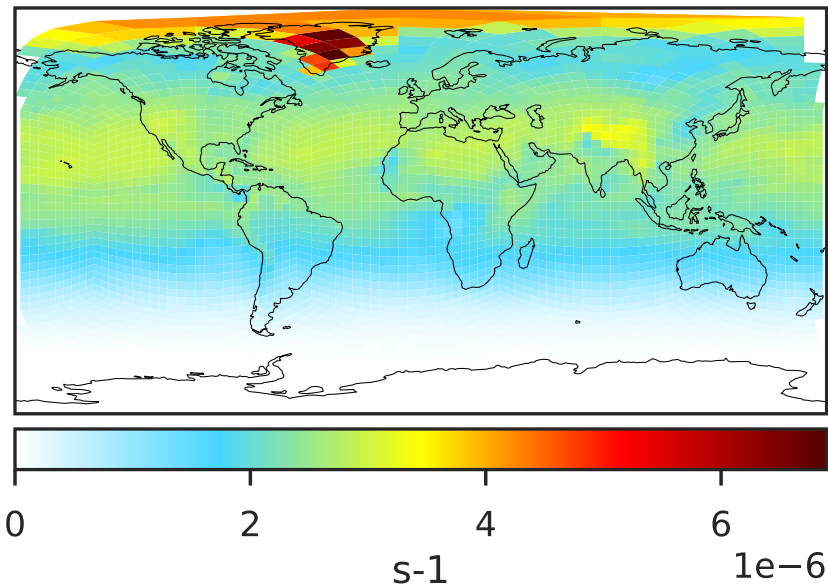


Ratio
Dev/Ref, Fixed Range

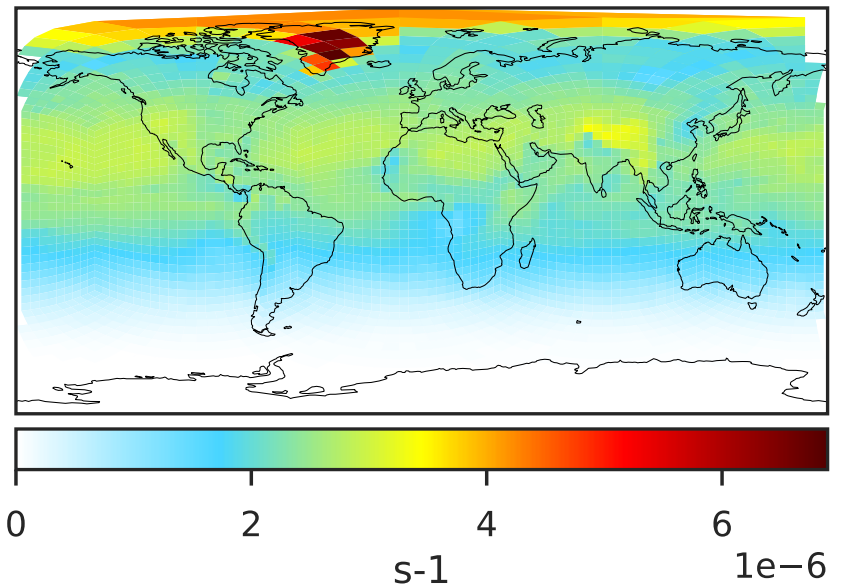


Jval_ITHN (Jul2019)

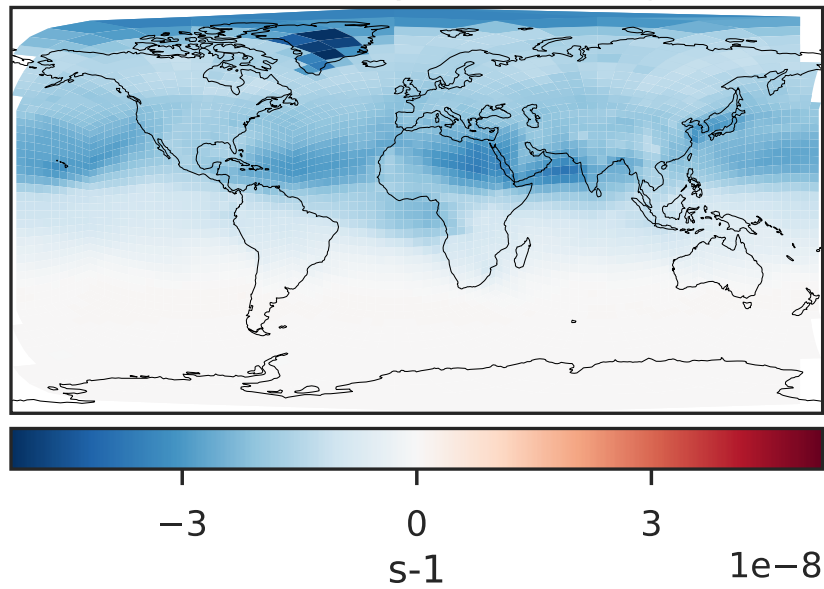
GCHP_14.0.0 (Ref)
c24



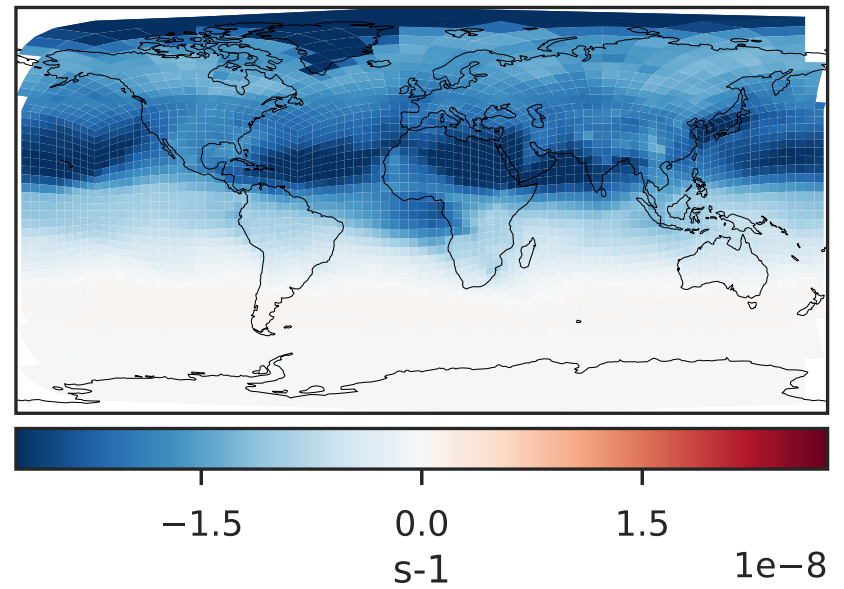
GCHP_14.2.0 (Dev)
c24



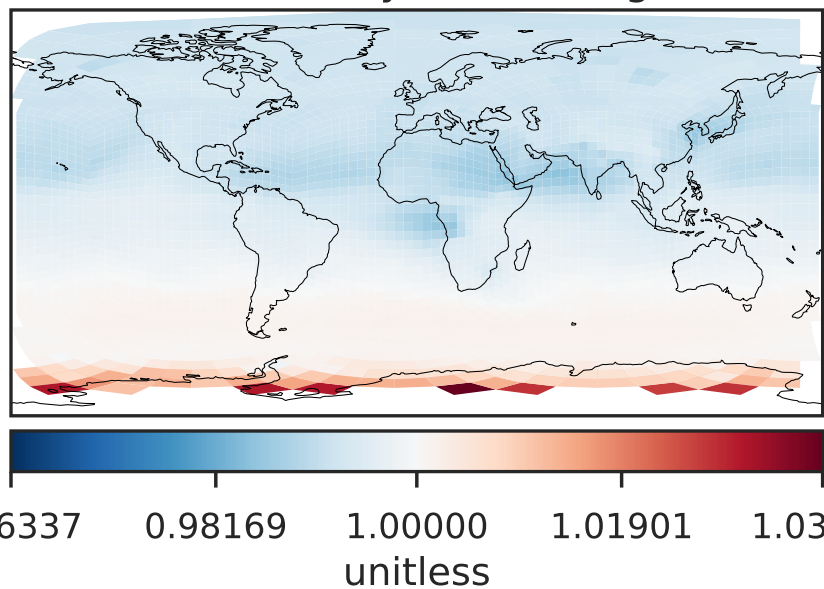
Difference
Dev - Ref, Dynamic Range



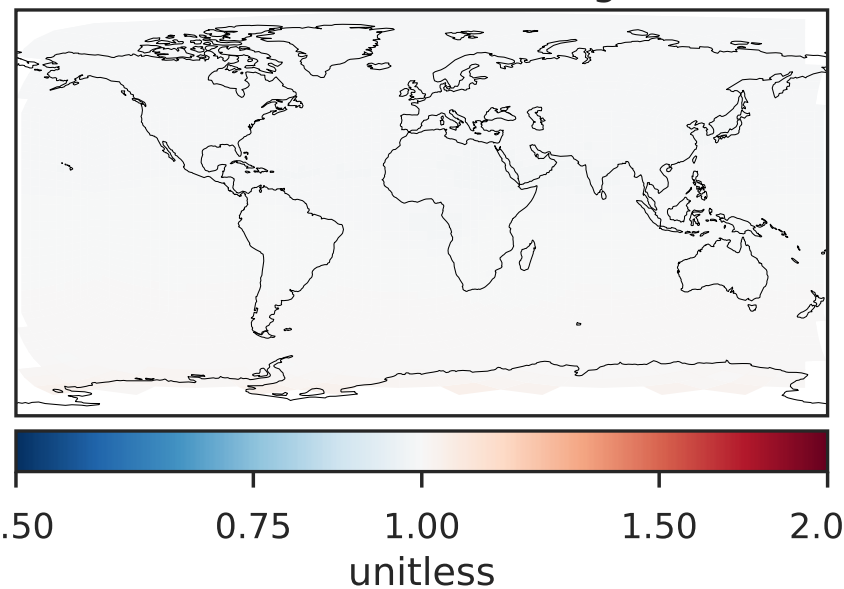
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

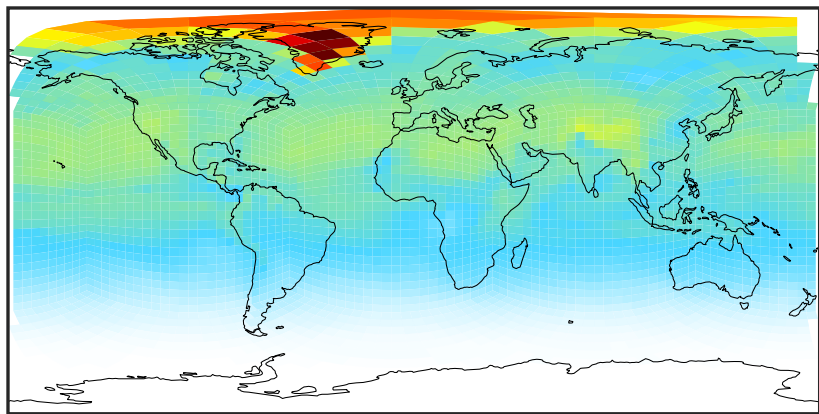


Ratio
Dev/Ref, Fixed Range



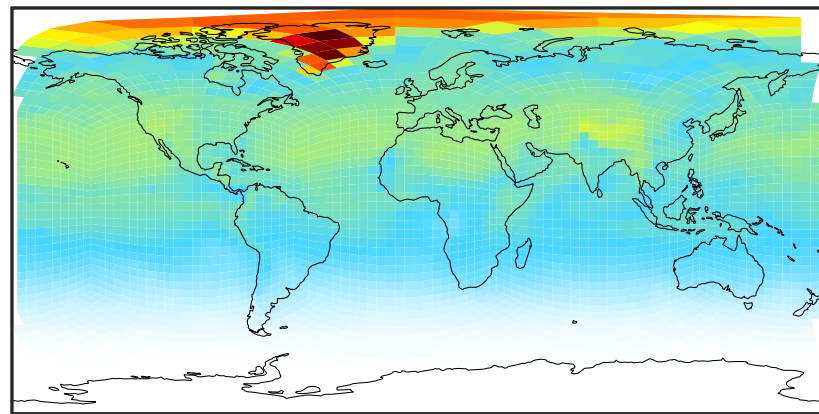
Jval_MACR (Jul2019)

GCHP_14.0.0 (Ref)
c24



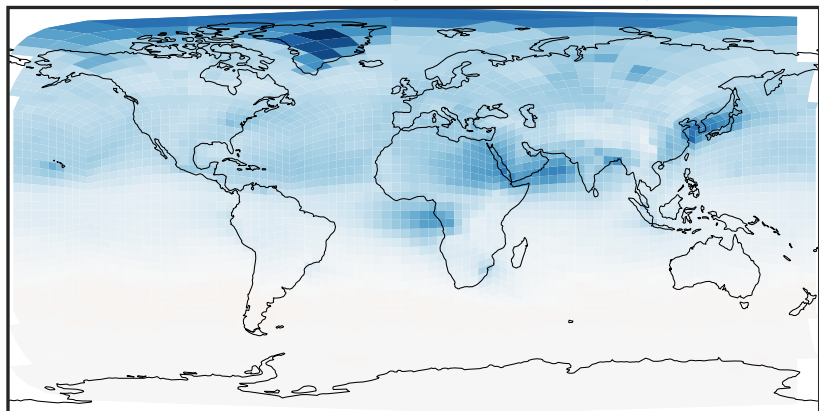
0.0 0.5 1.0 1.5
s-1 1e-6

GCHP_14.2.0 (Dev)
c24



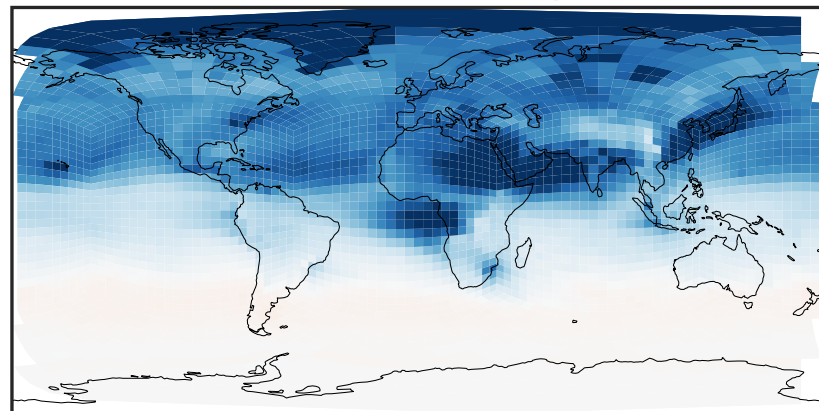
0.0 0.5 1.0 1.5
s-1 1e-6

Difference
Dev - Ref, Dynamic Range



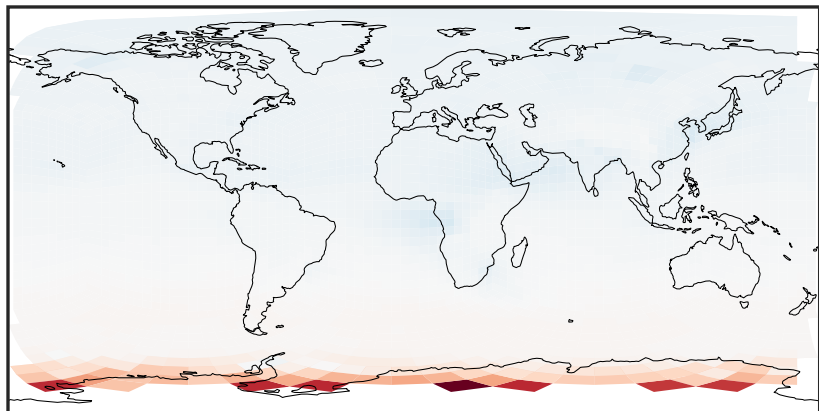
-2.5 0.0 2.5
s-1 1e-9

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



-1 0 1
s-1 1e-9

Ratio
Dev/Ref, Dynamic Range



0.95650 0.97825 1.00000 1.02274 1.04548
unitless

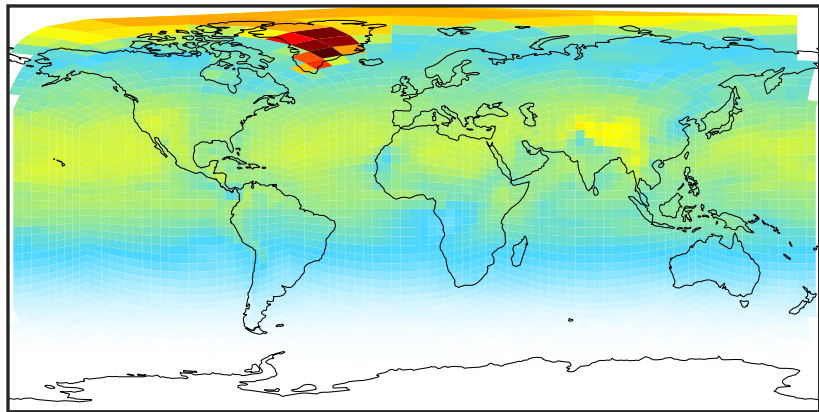
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

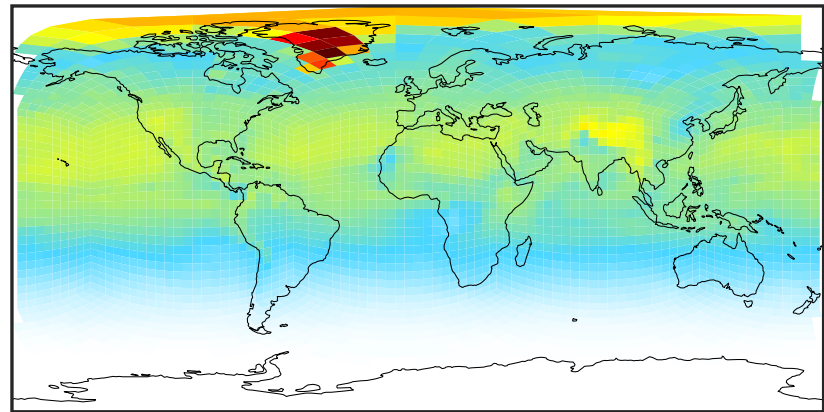
Jval_MACR100H (Jul2019)

GCHP_14.0.0 (Ref)
c24



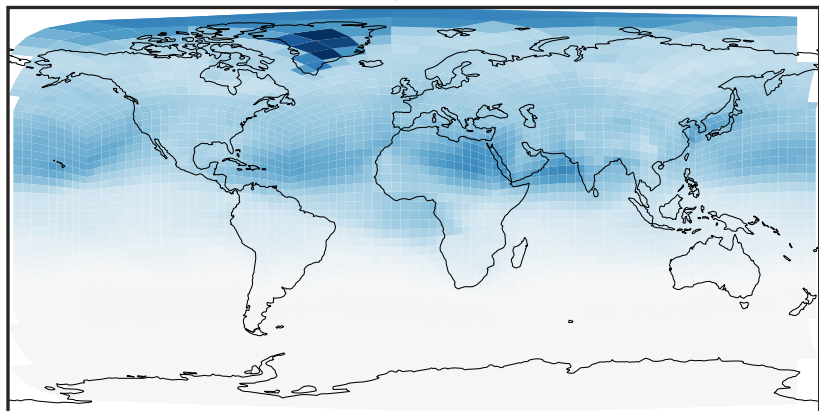
0.0 1.5 3.0 $1e-5$
s-1

GCHP_14.2.0 (Dev)
c24



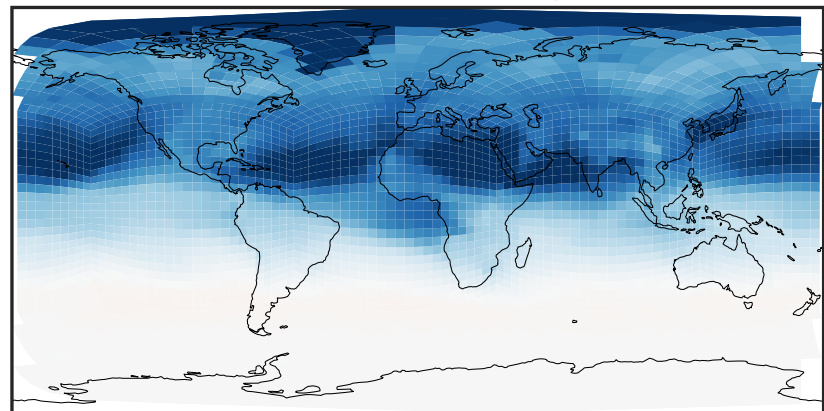
0.0 1.5 3.0 $1e-5$
s-1

Difference
Dev - Ref, Dynamic Range



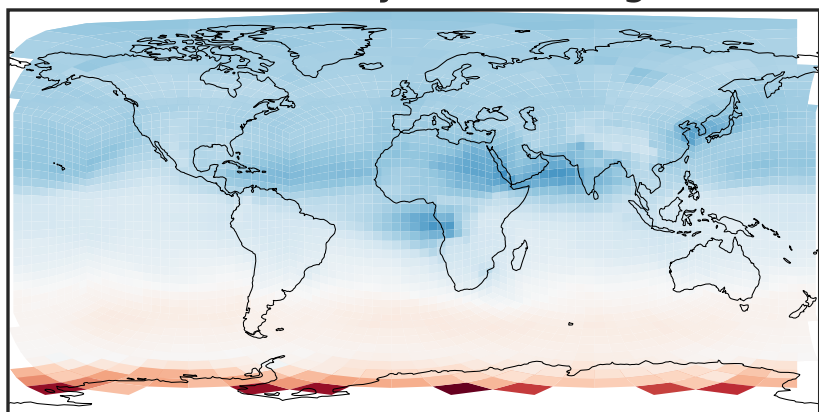
-2.5 0.0 2.5 $1e-7$
s-1

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



-1.5 0.0 1.5 $1e-7$
s-1

Ratio
Dev/Ref, Dynamic Range



0.96974 0.98487 1.00000 1.01560 1.03120
unitless

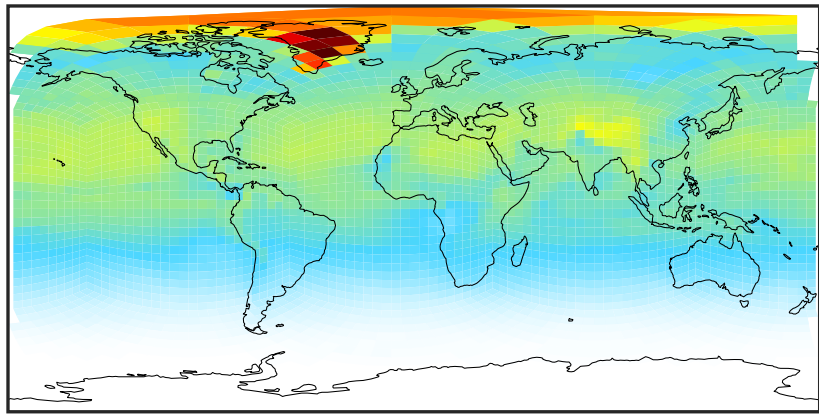
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

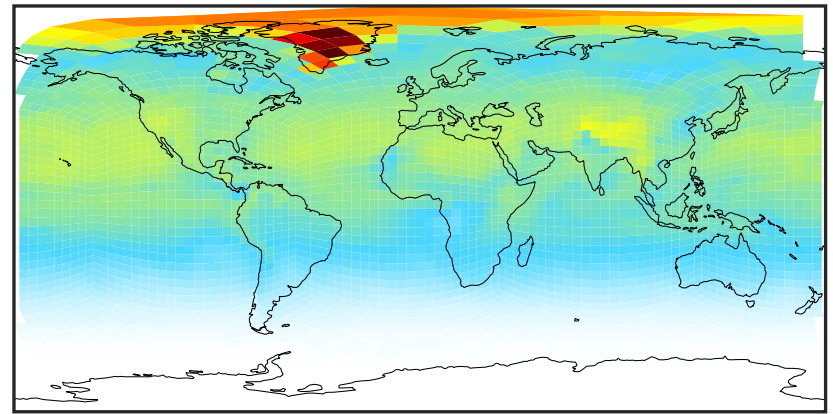
Jval_MAP (Jul2019)

GCHP_14.0.0 (Ref)
c24



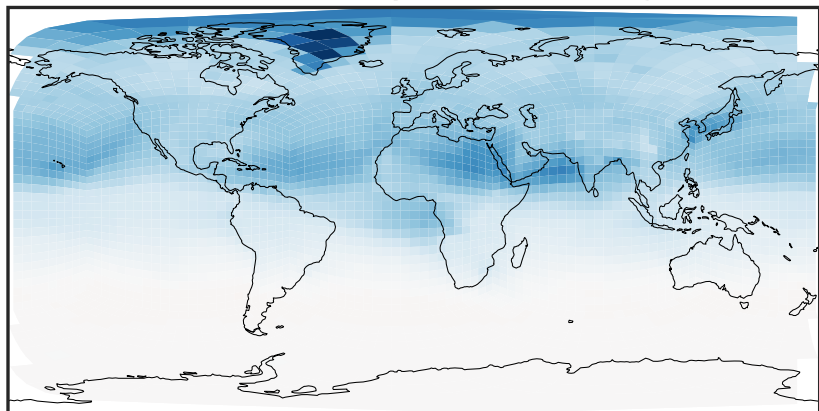
0.0 1.5 3.0 4.5
s-1 $1e-6$

GCHP_14.2.0 (Dev)
c24



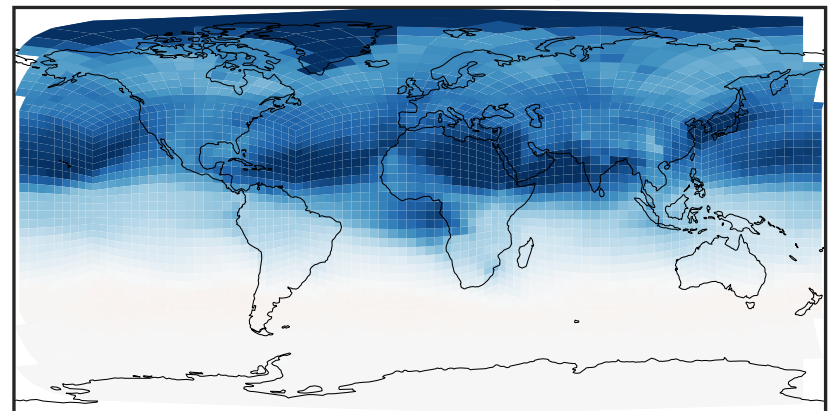
0.0 1.5 3.0 4.5
s-1 $1e-6$

Difference
Dev - Ref, Dynamic Range



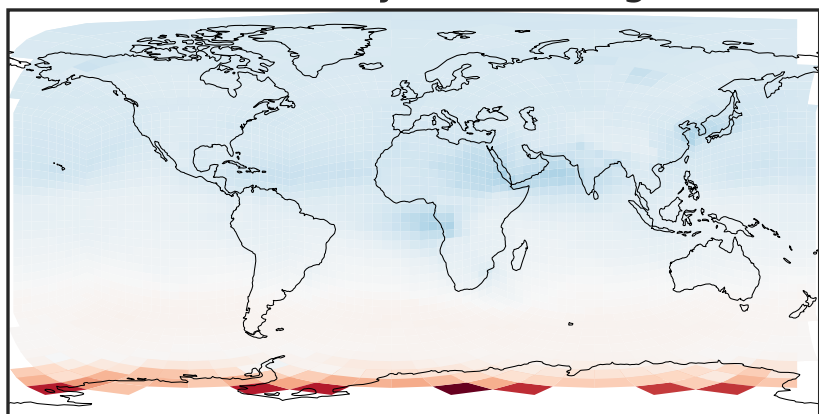
-2 0 2
s-1 $1e-8$

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



-8 0 8
s-1 $1e-9$

Ratio
Dev/Ref, Dynamic Range



0.96158 0.98079 1.00000 1.01998 1.03996
unitless

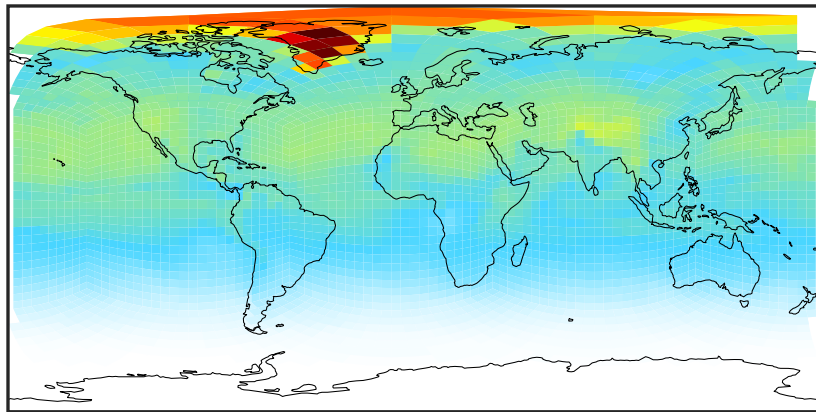
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

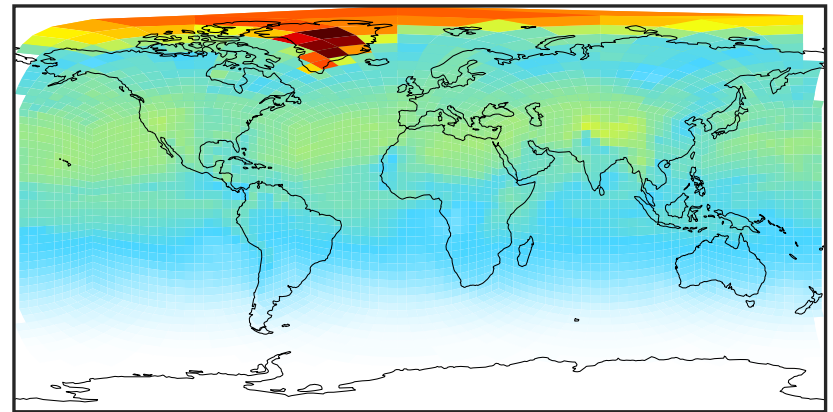
Jval_MCRENOL (Jul2019)

GCHP_14.0.0 (Ref)
c24



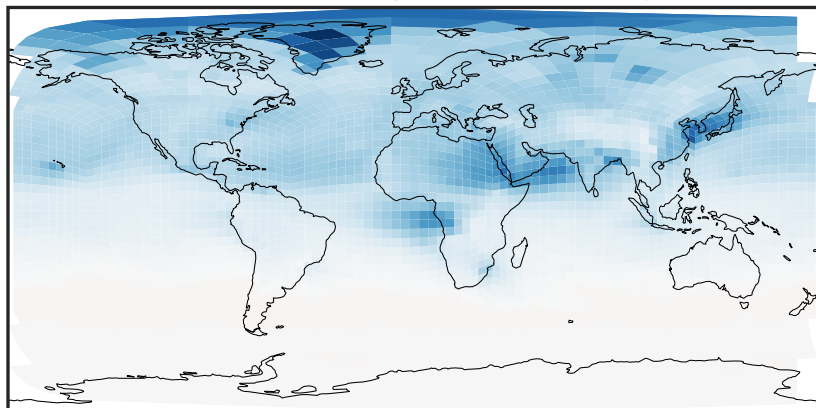
0.00000 0.00008 0.00016 0.00024
s-1

GCHP_14.2.0 (Dev)
c24



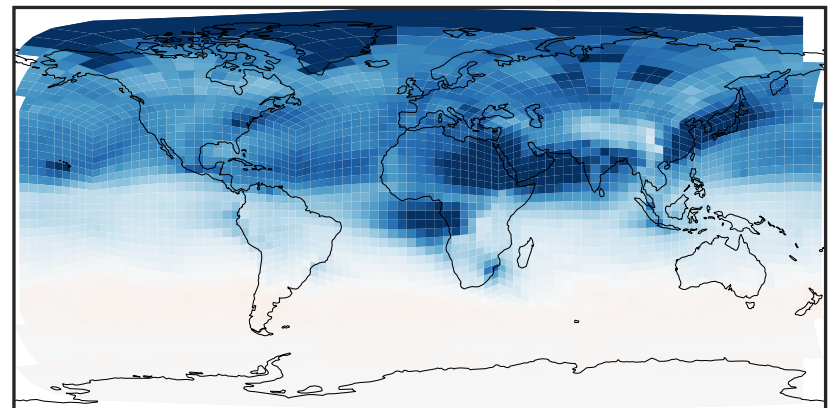
0.00000 0.00008 0.00016 0.00024
s-1

Difference
Dev - Ref, Dynamic Range



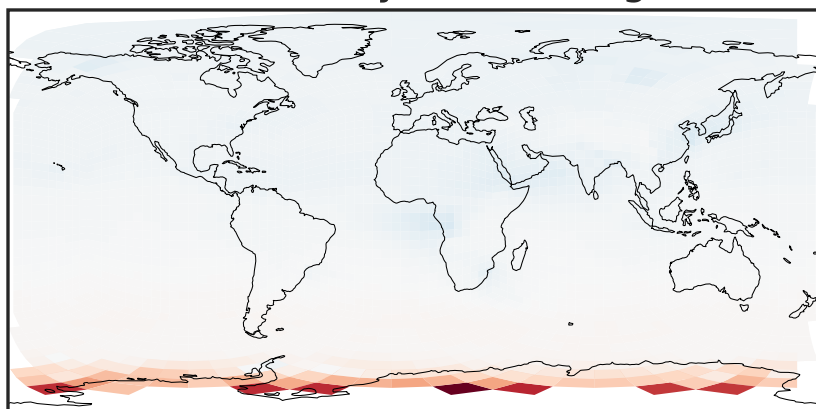
-4 0 4
s-1 1e-7

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



-2 0 2
s-1 1e-7

Ratio
Dev/Ref, Dynamic Range



0.95527 0.97763 1.00000 1.02341 1.04683
unitless

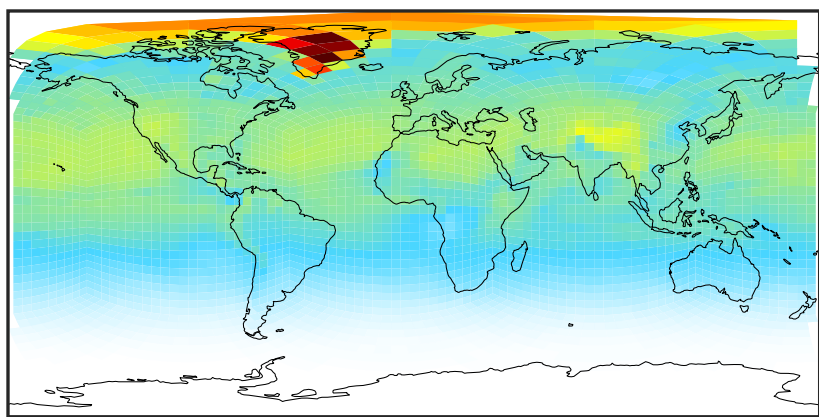
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

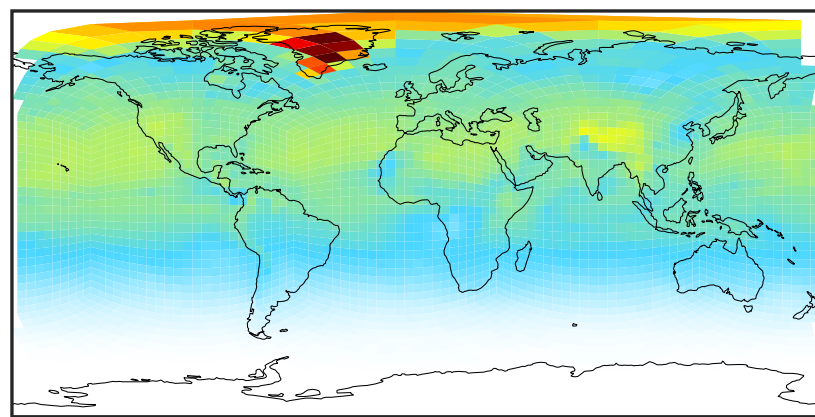
Jval_MCRHN (Jul2019)

GCHP_14.0.0 (Ref)
c24



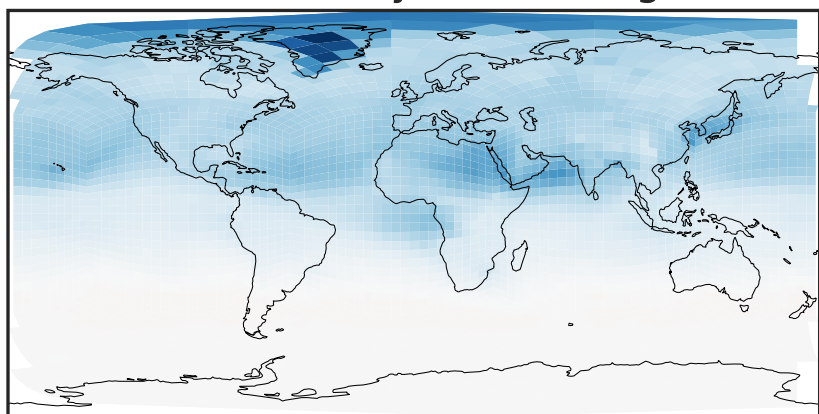
0.00000 0.00008 0.00016 0.00024
s-1

GCHP_14.2.0 (Dev)
c24



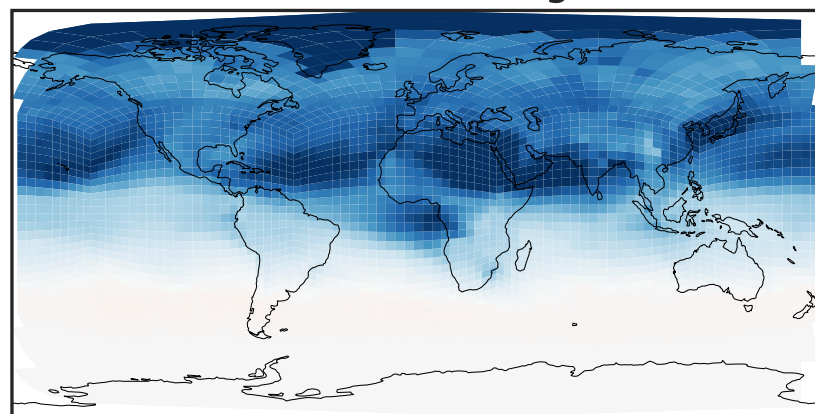
0.00000 0.00008 0.00016 0.00024
s-1

Difference
Dev - Ref, Dynamic Range



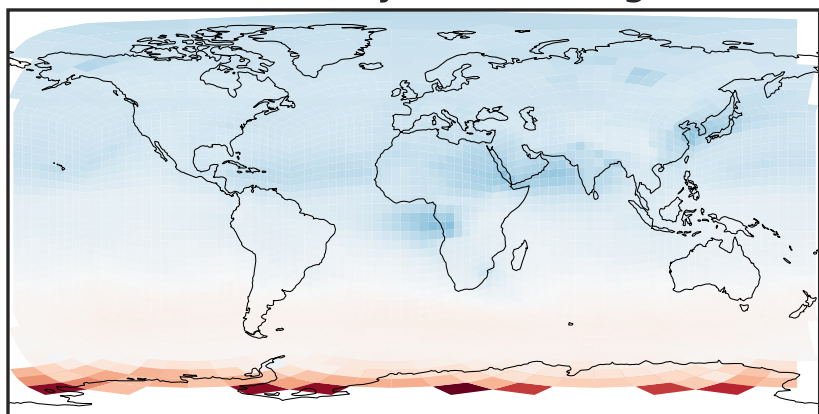
-1 0 1
s-1 1e-6

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



-5 0 5
s-1 1e-7

Ratio
Dev/Ref, Dynamic Range



0.97034 0.98517 1.00000 1.01528 1.03057
unitless

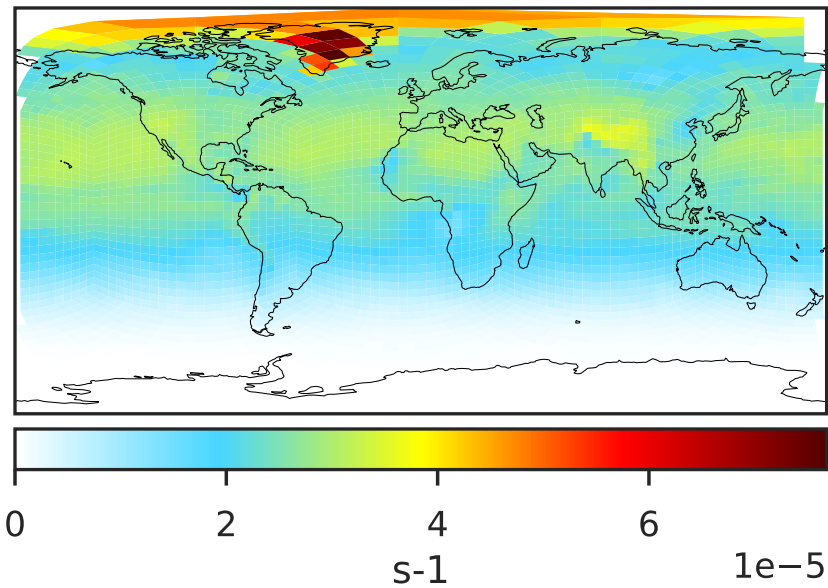
Ratio
Dev/Ref, Fixed Range



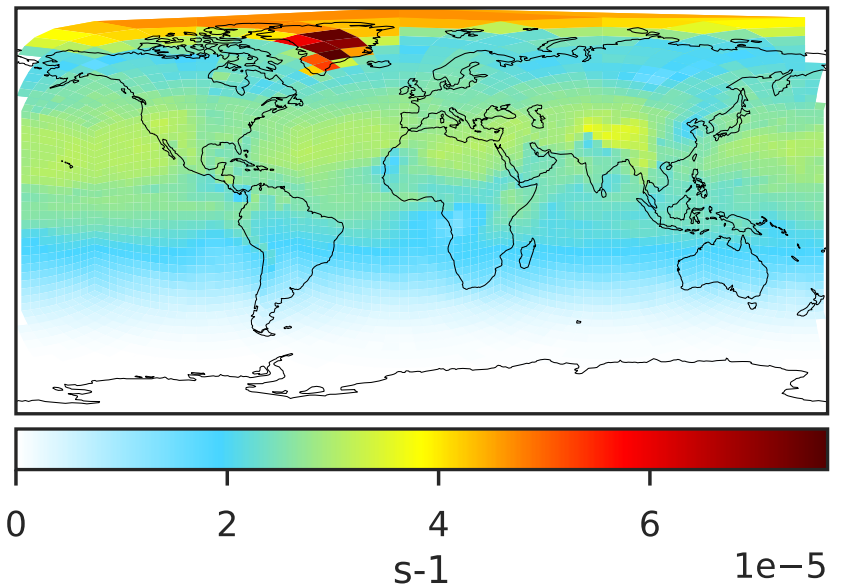
0.50 0.75 1.00 1.50 2.00
unitless

Jval_MCRHNB (Jul2019)

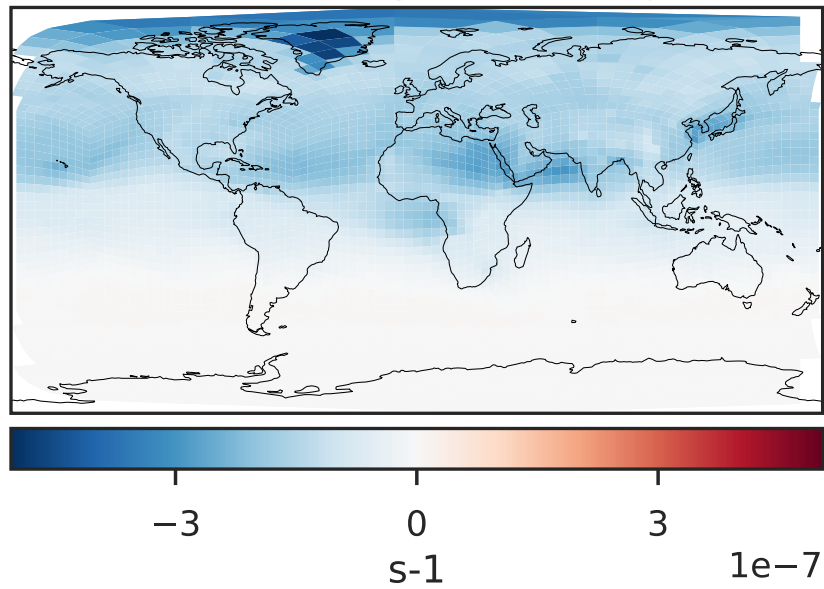
GCHP_14.0.0 (Ref)
c24



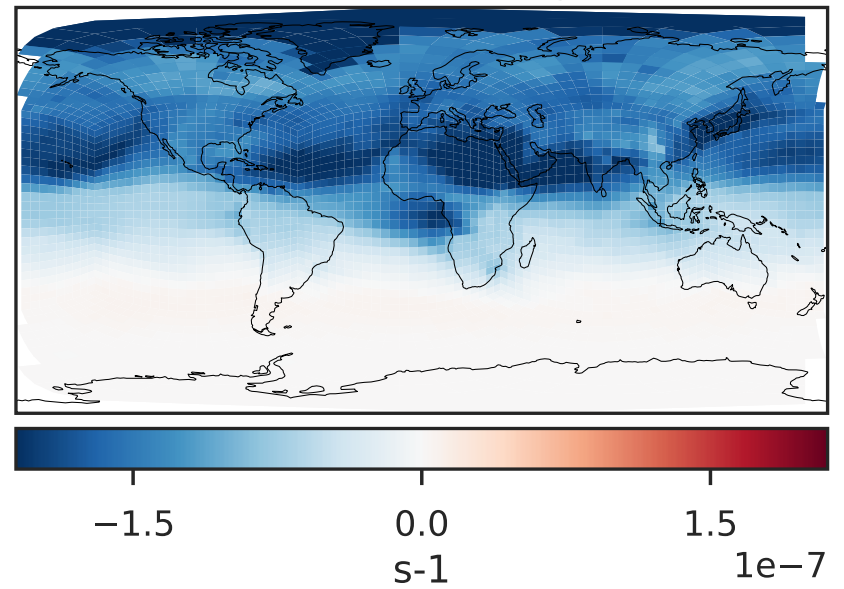
GCHP_14.2.0 (Dev)
c24



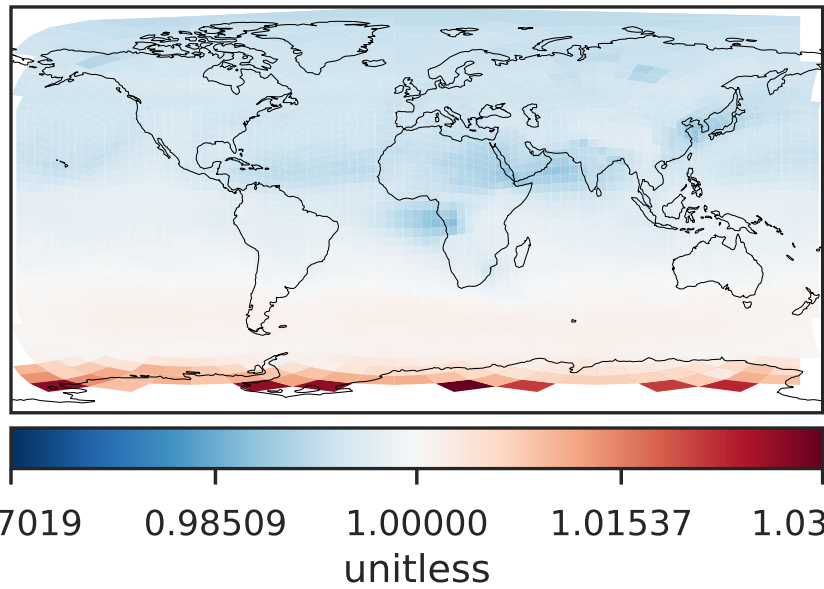
Difference
Dev - Ref, Dynamic Range



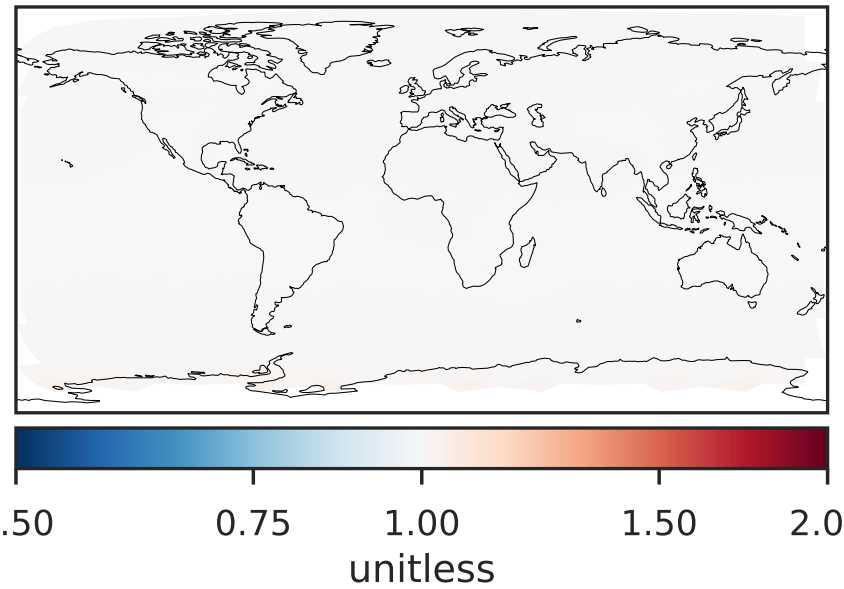
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

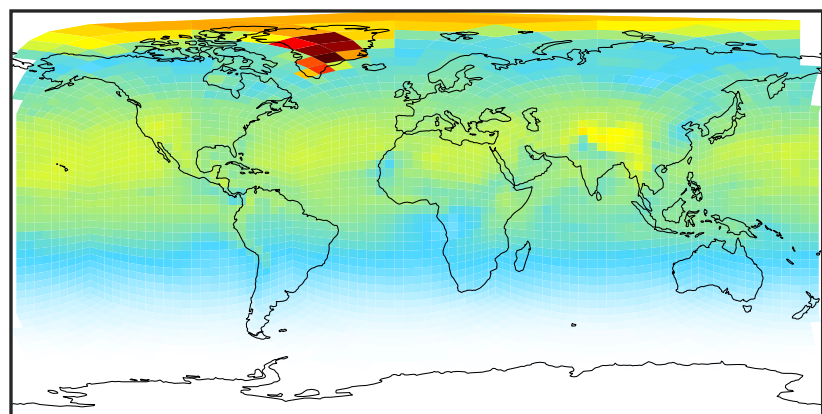


Ratio
Dev/Ref, Fixed Range



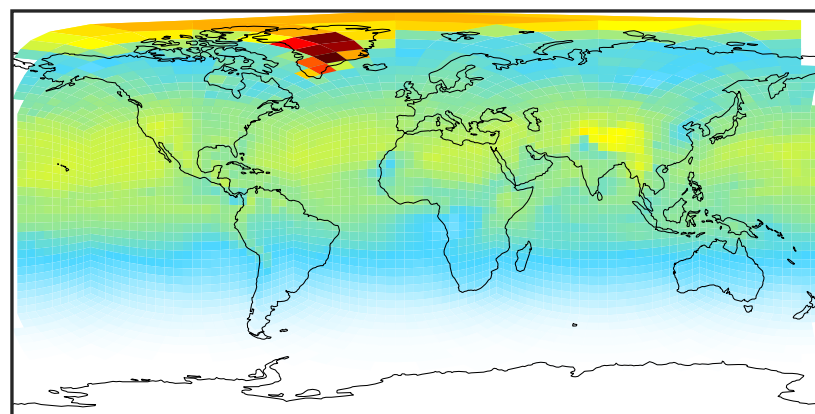
Jval_MCRHP (Jul2019)

GCHP_14.0.0 (Ref)
c24



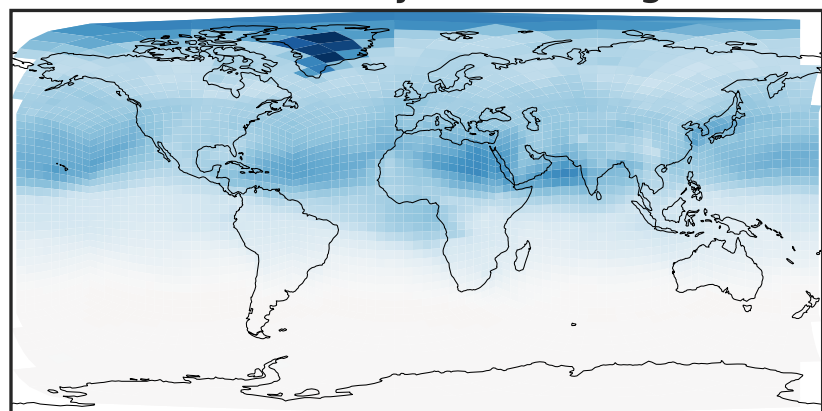
0.0 1.5 3.0 $1e-5$
s-1

GCHP_14.2.0 (Dev)
c24



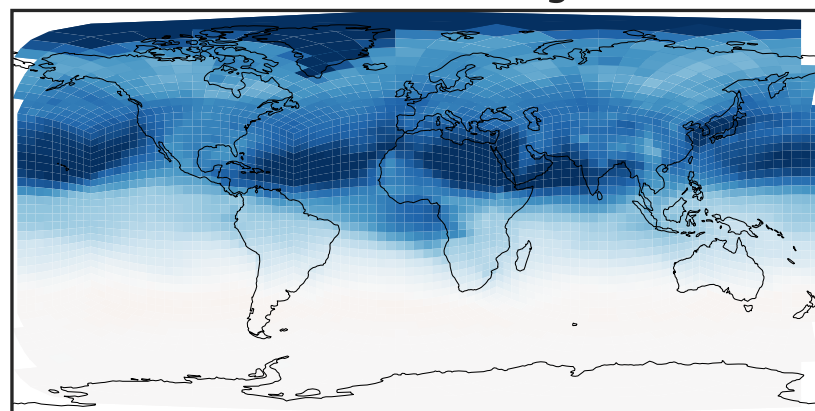
0.0 1.5 3.0 $1e-5$
s-1

Difference
Dev - Ref, Dynamic Range



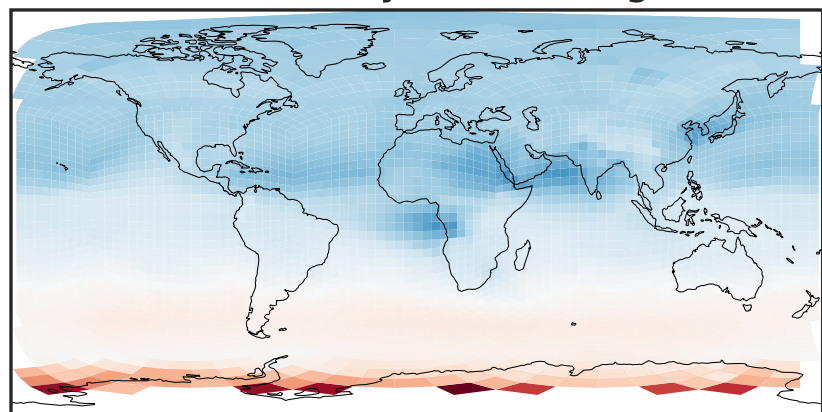
-2.5 0.0 2.5 $1e-7$
s-1

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



-1.5 0.0 1.5 $1e-7$
s-1

Ratio
Dev/Ref, Dynamic Range



0.96974 0.98487 1.00000 1.01560 1.03120
unitless

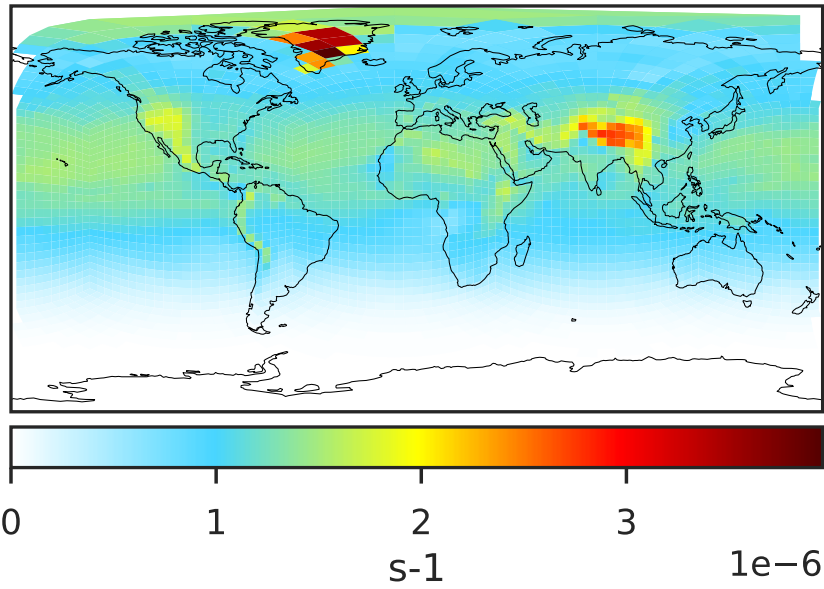
Ratio
Dev/Ref, Fixed Range



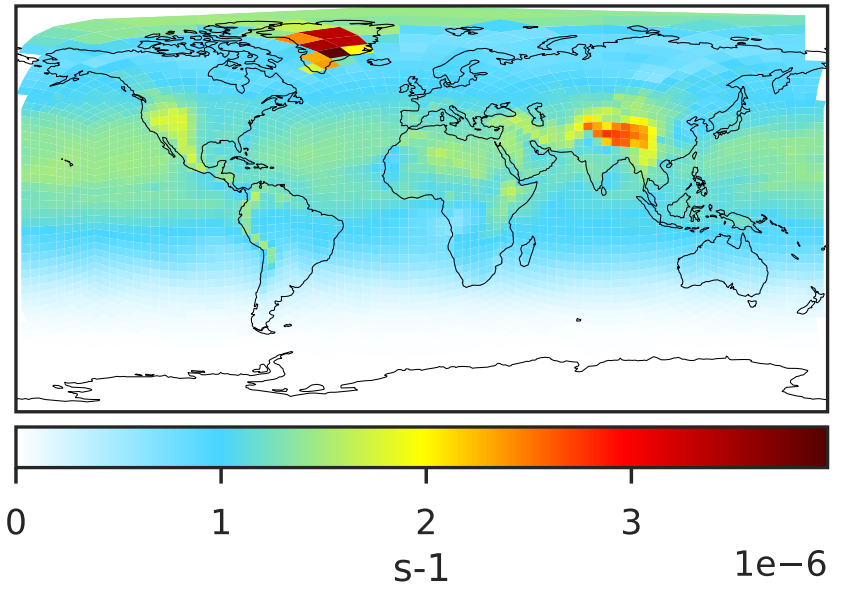
0.50 0.75 1.00 1.50 2.00
unitless

Jval_MEK (Jul2019)

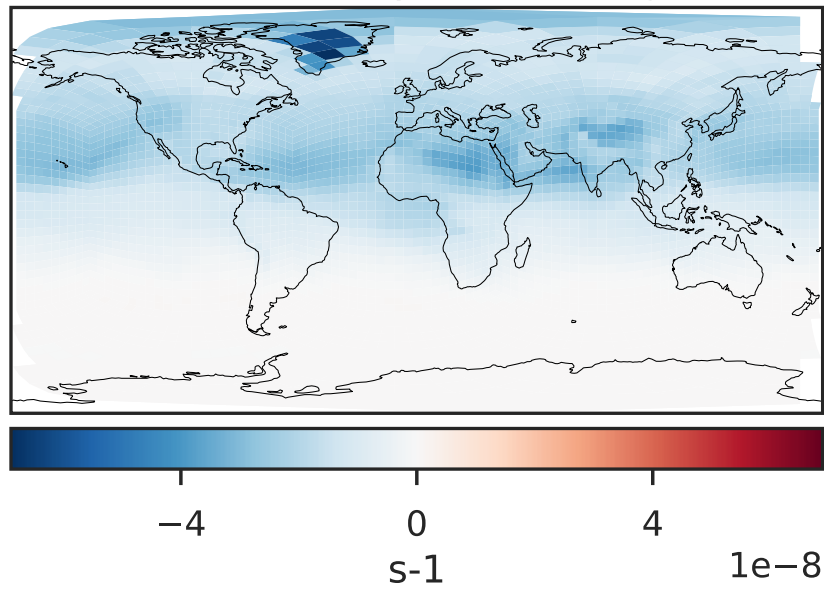
GCHP_14.0.0 (Ref)
c24



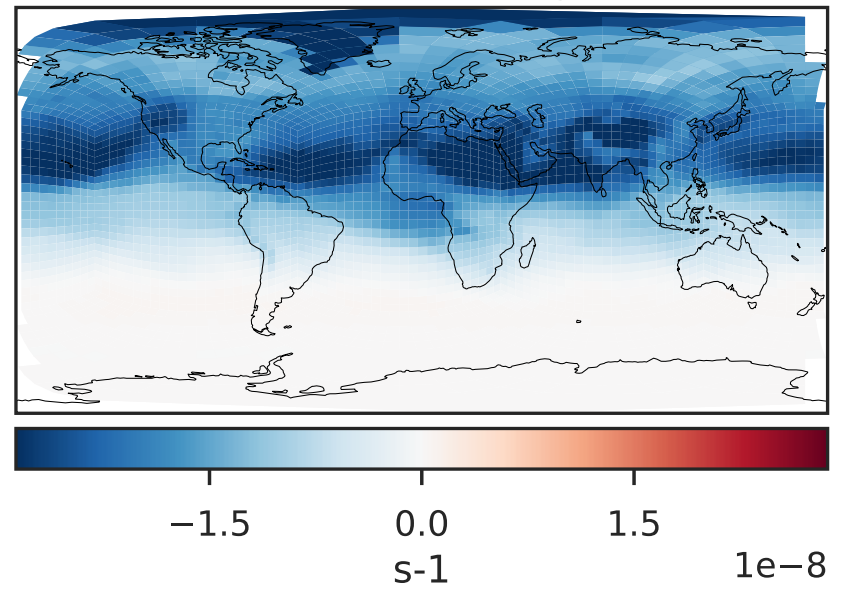
GCHP_14.2.0 (Dev)
c24



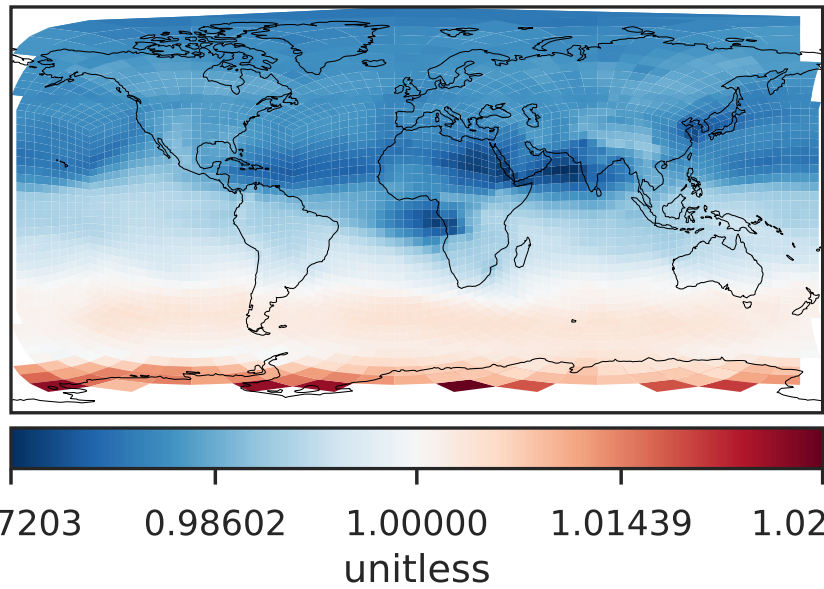
Difference
Dev - Ref, Dynamic Range



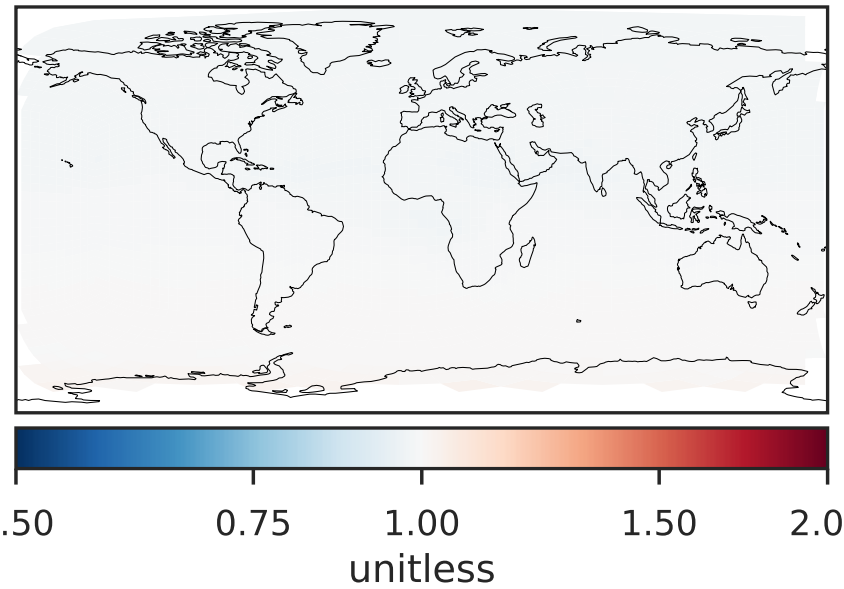
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

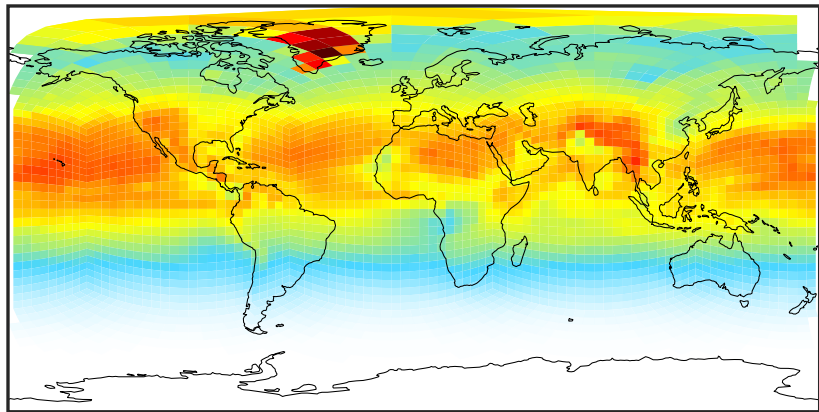


Ratio
Dev/Ref, Fixed Range



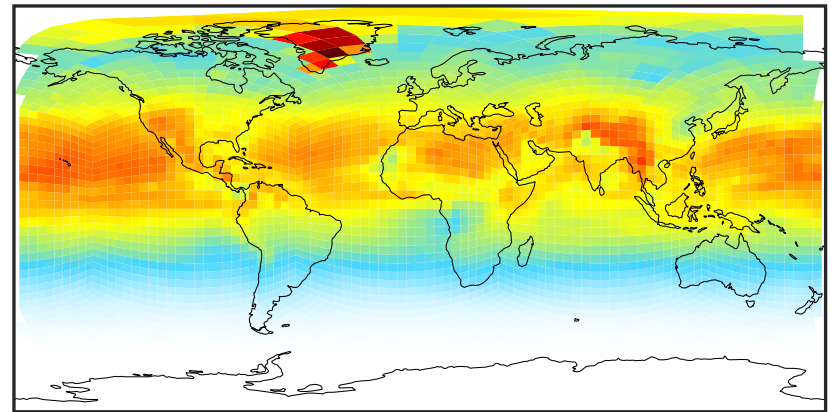
Jval_MENO3 (Jul2019)

GCHP_14.0.0 (Ref)
c24



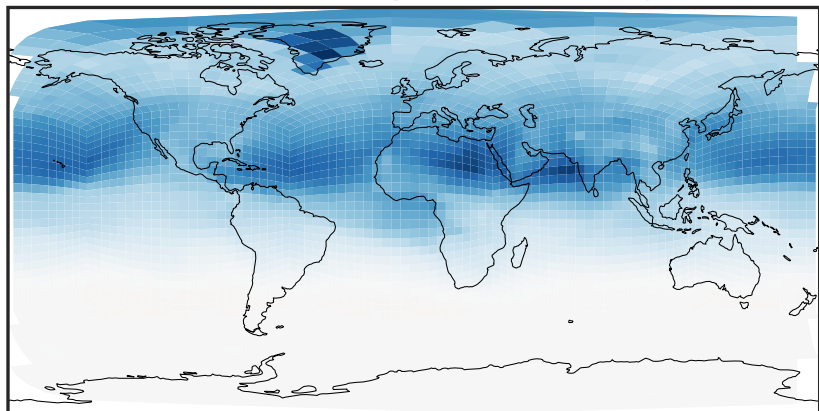
0.0 1.5 3.0 4.5
s-1 $1e-7$

GCHP_14.2.0 (Dev)
c24



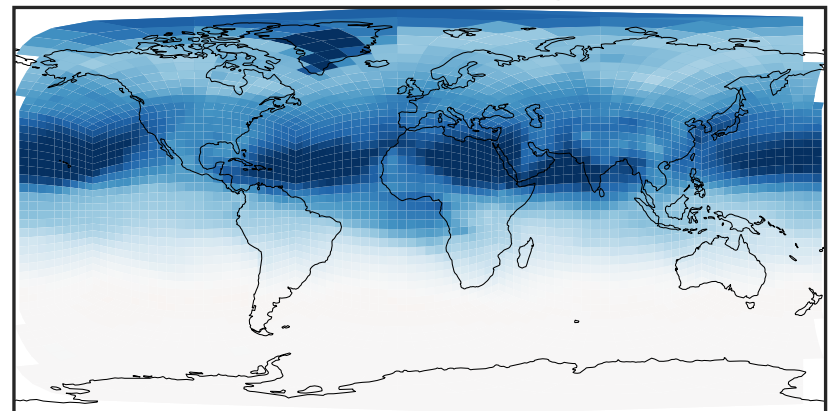
0.0 1.5 3.0 4.5
s-1 $1e-7$

Difference
Dev - Ref, Dynamic Range



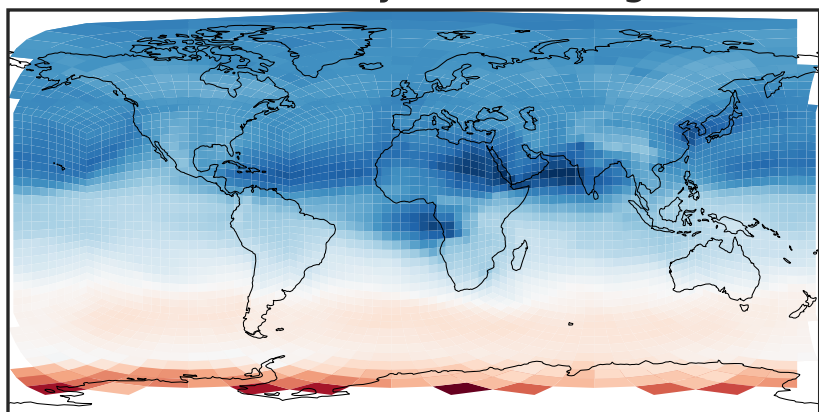
-5 0 5
s-1 $1e-9$

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



-4 0 4
s-1 $1e-9$

Ratio
Dev/Ref, Dynamic Range



0.96986 0.98493 1.00000 1.01554 1.03107
unitless

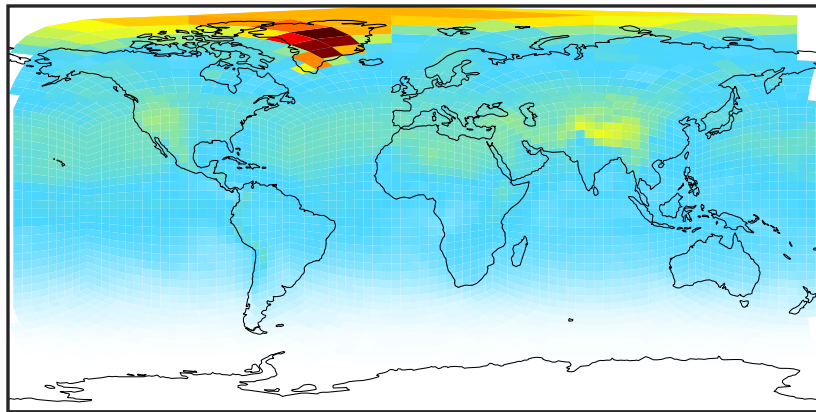
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

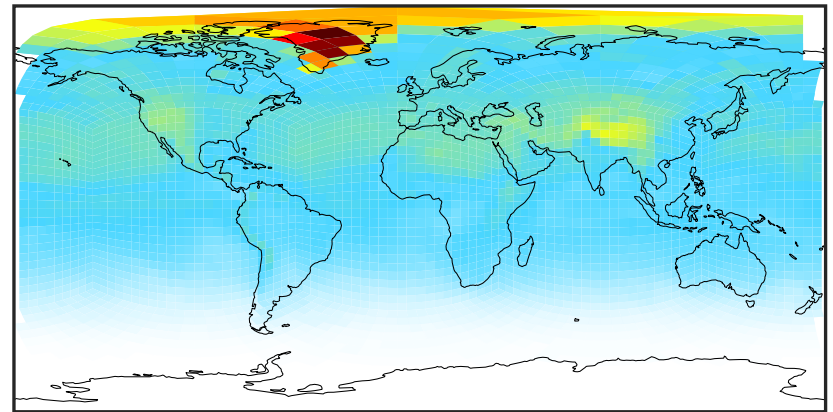
Jval_MGLY (Jul2019)

GCHP_14.0.0 (Ref)
c24



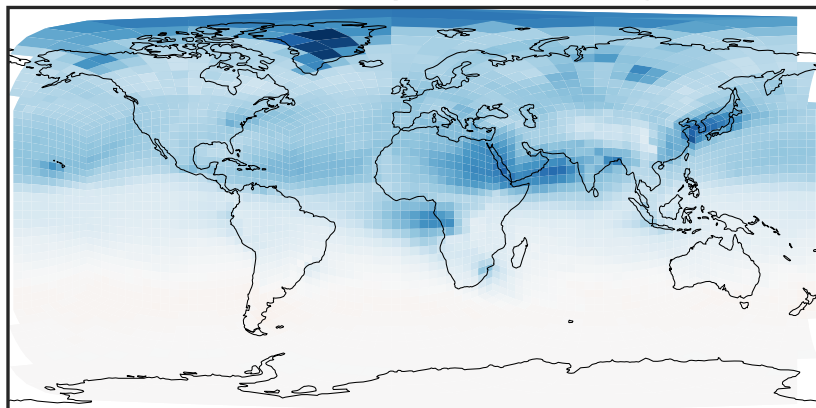
0.00000 0.00006 0.00012 0.00018
s-1

GCHP_14.2.0 (Dev)
c24



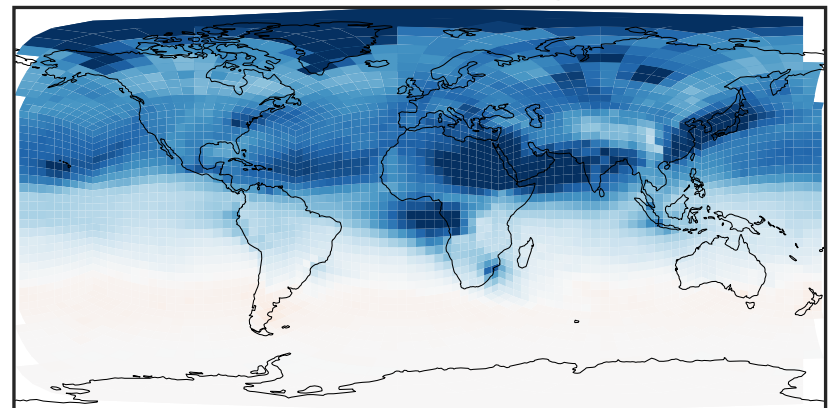
0.00000 0.00006 0.00012 0.00018
s-1

Difference
Dev - Ref, Dynamic Range



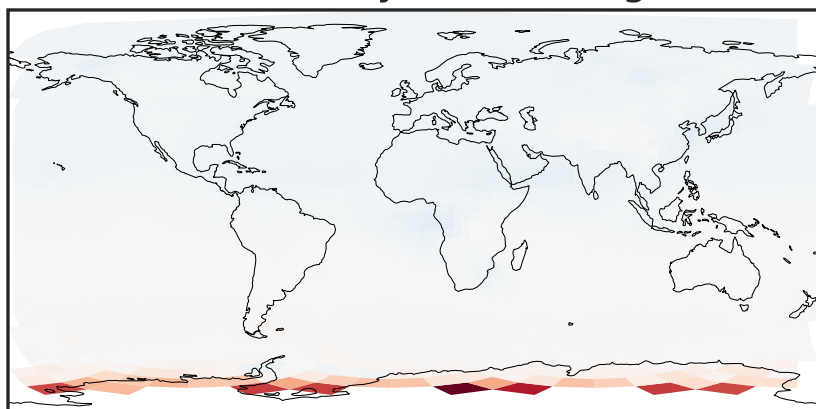
-2 0 2
s-1 1e-7

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



-1 0 1
s-1 1e-7

Ratio
Dev/Ref, Dynamic Range



0.9492 0.9746 1.0000 1.0268 1.0535
unitless

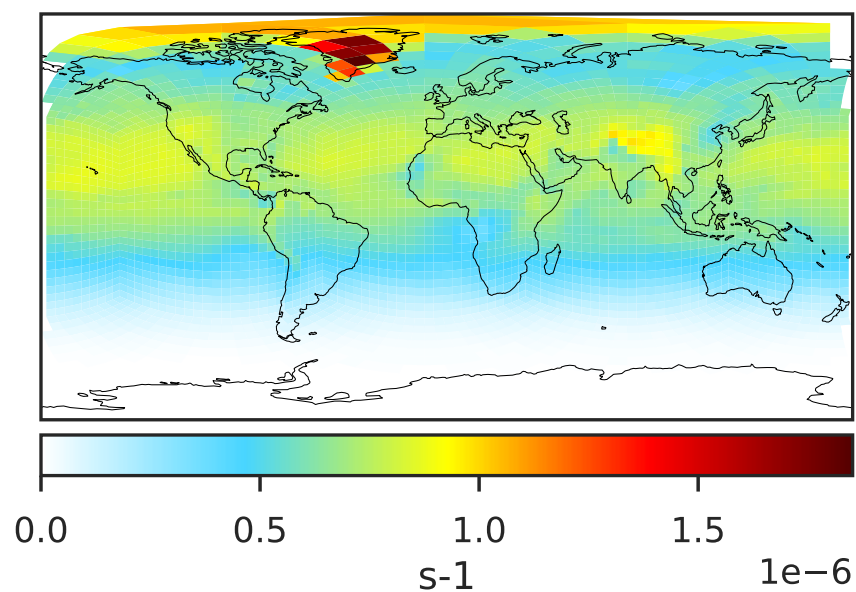
Ratio
Dev/Ref, Fixed Range



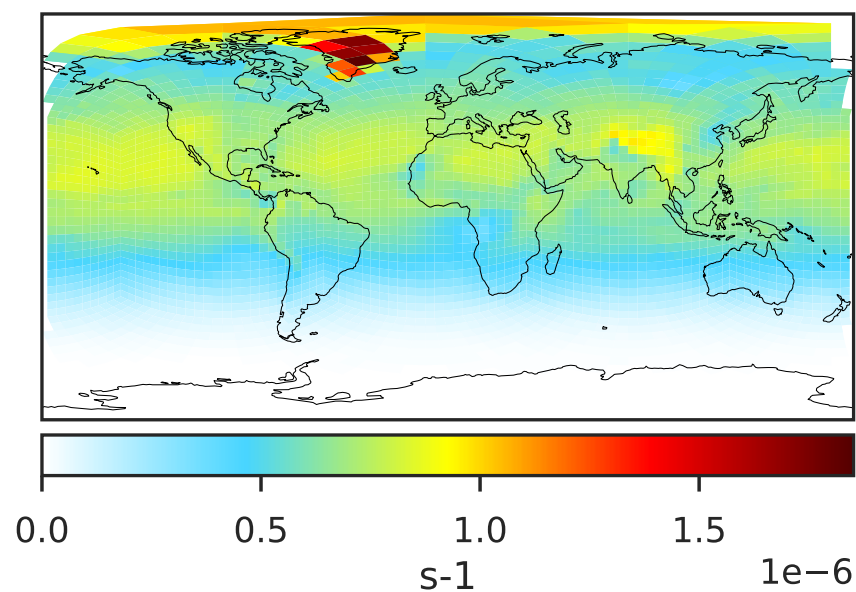
0.50 0.75 1.00 1.50 2.00
unitless

Jval_MONITS (Jul2019)

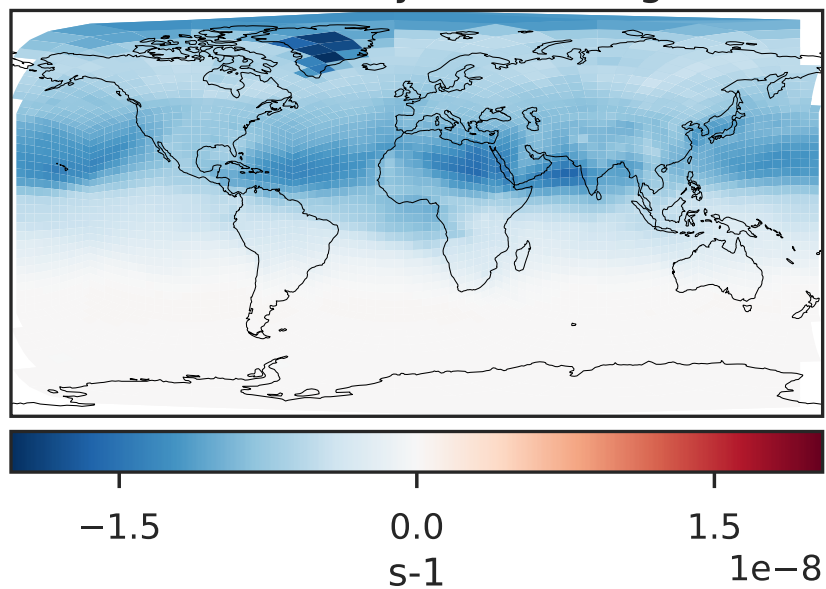
GCHP_14.0.0 (Ref)
c24



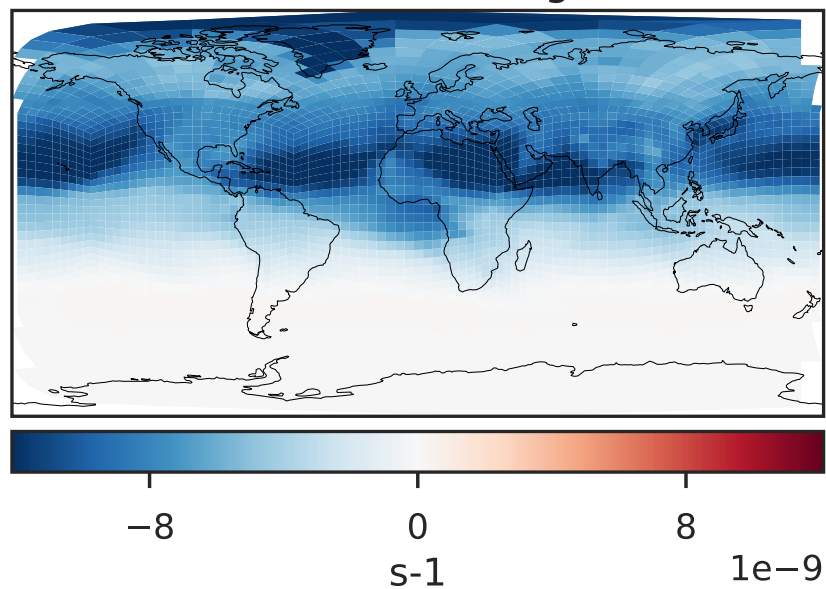
GCHP_14.2.0 (Dev)
c24



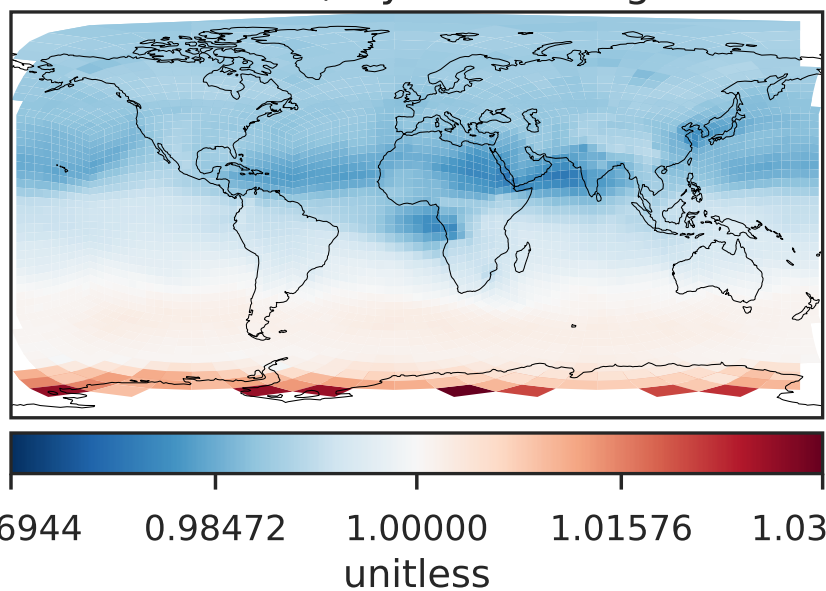
Difference
Dev - Ref, Dynamic Range



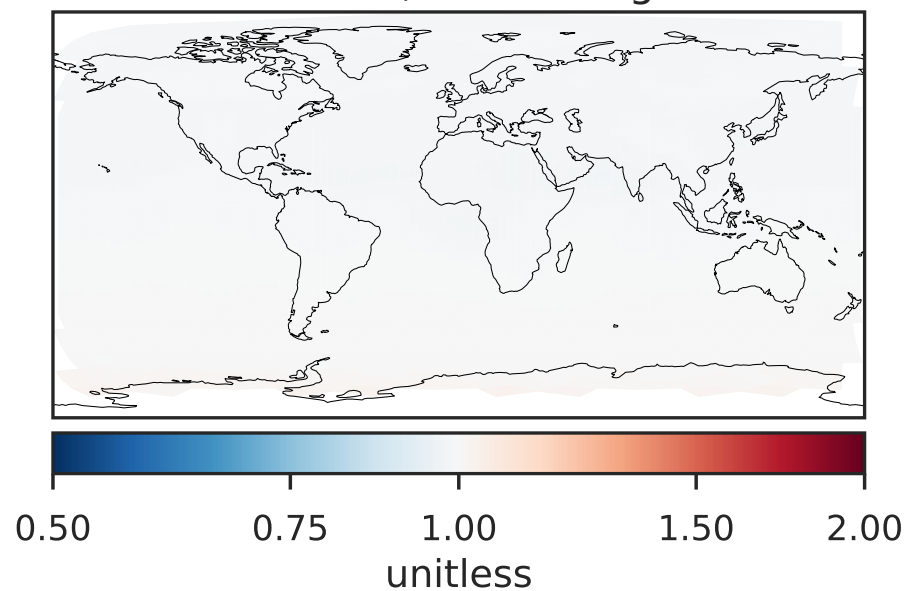
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

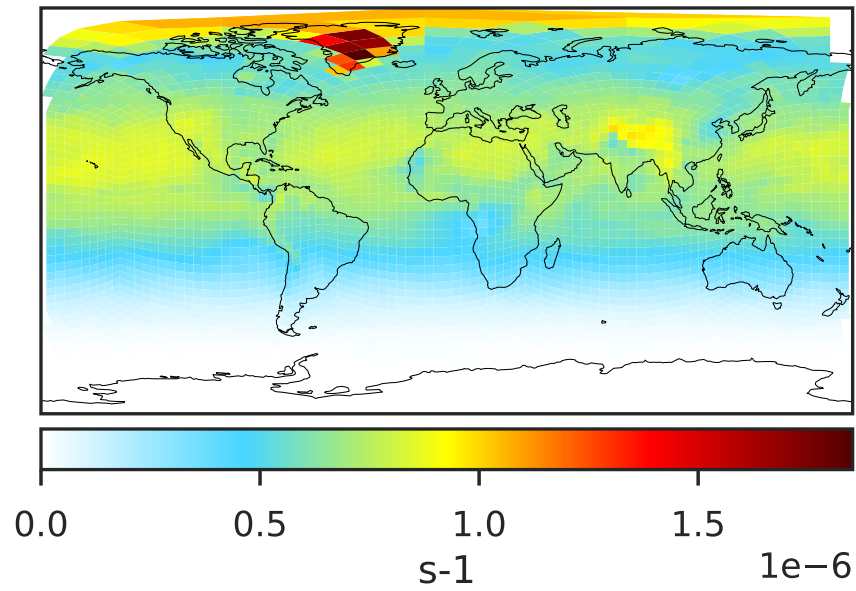


Ratio
Dev/Ref, Fixed Range

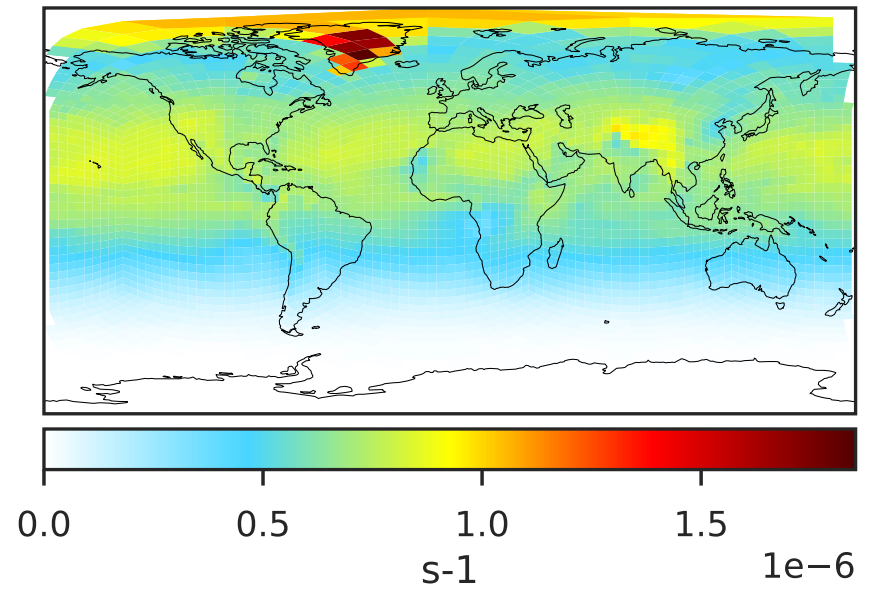


Jval_MONITU (Jul2019)

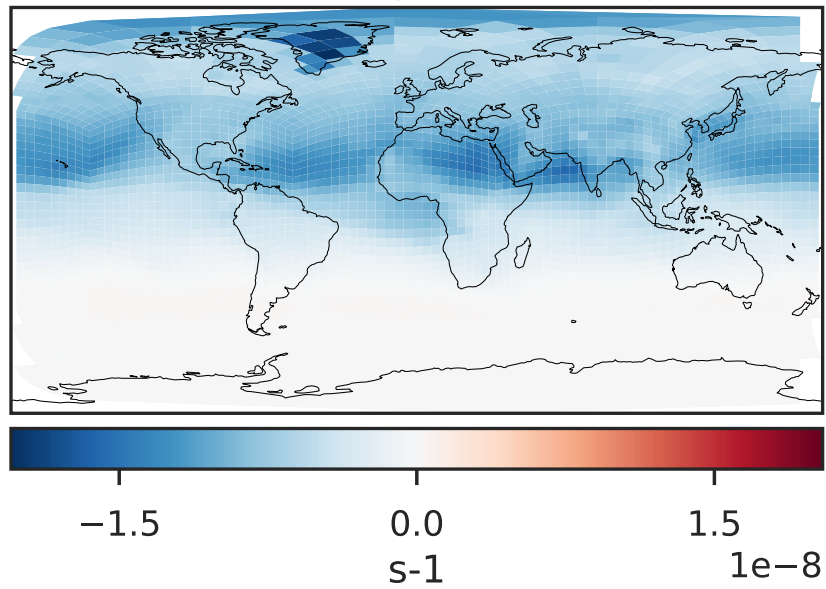
GCHP_14.0.0 (Ref)
c24



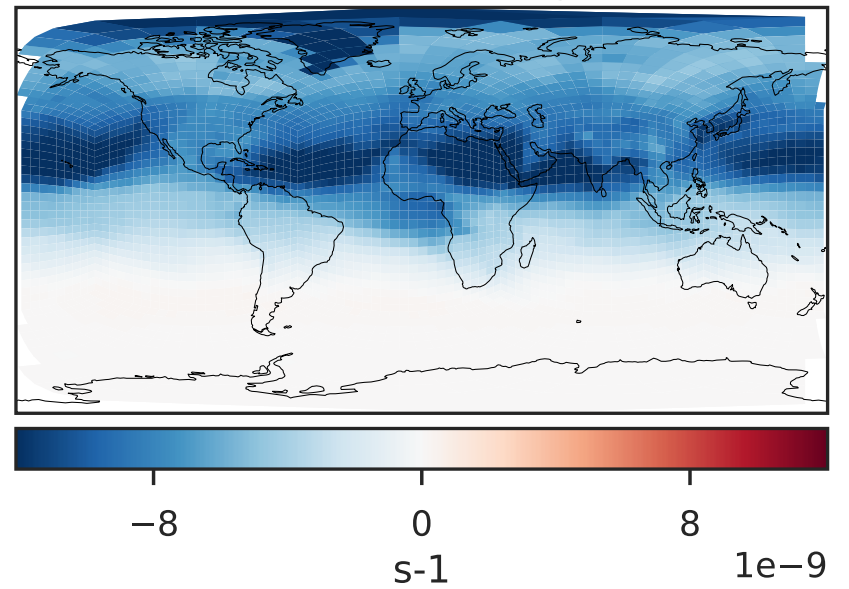
GCHP_14.2.0 (Dev)
c24



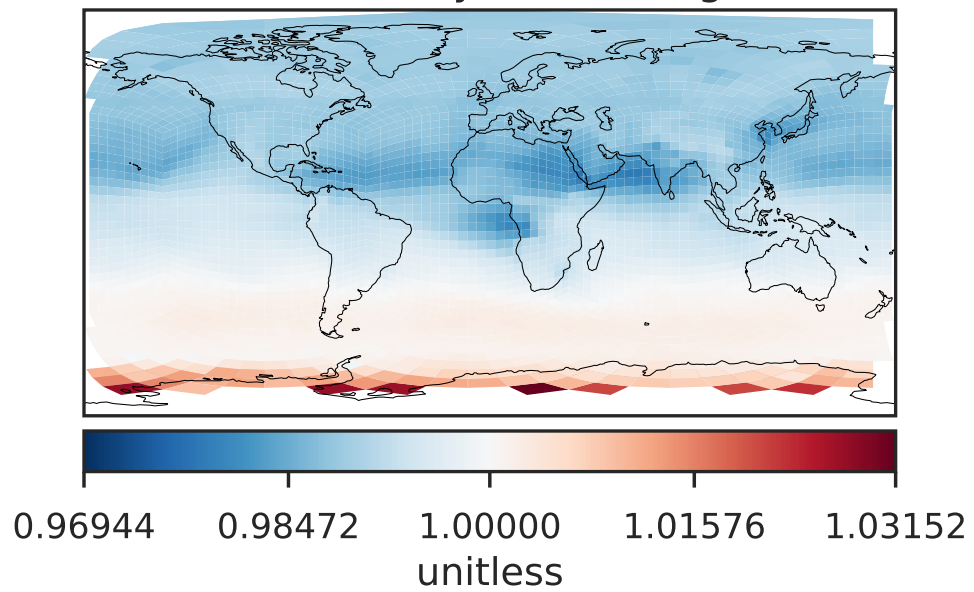
Difference
Dev - Ref, Dynamic Range



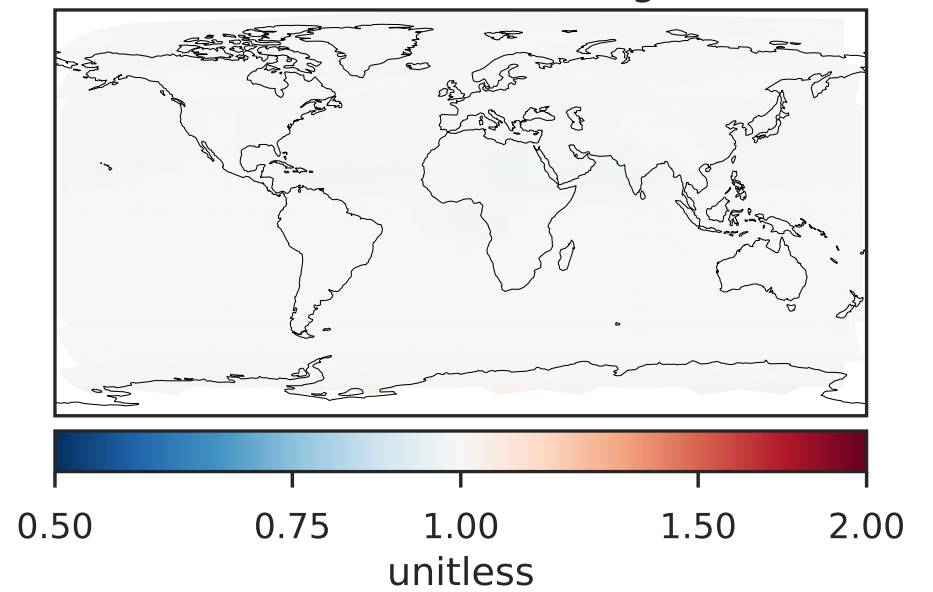
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

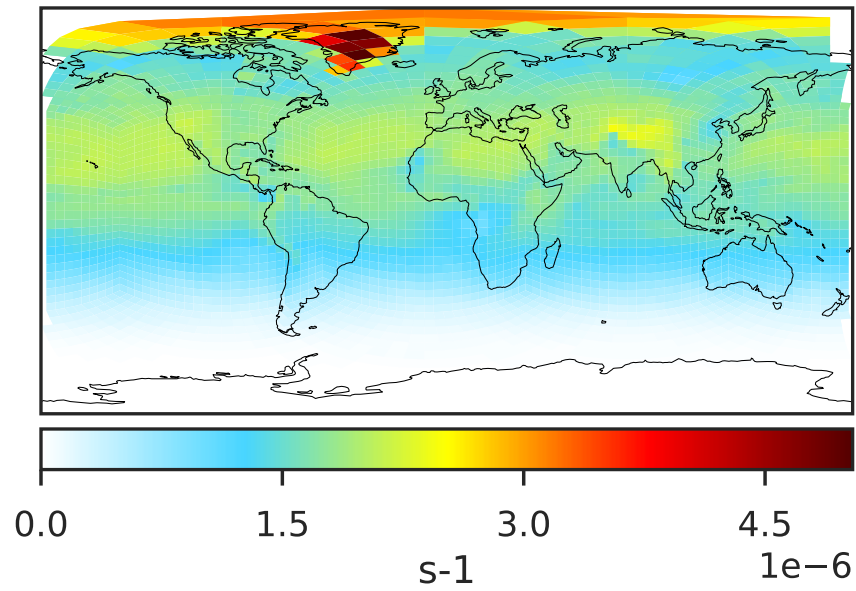


Ratio
Dev/Ref, Fixed Range

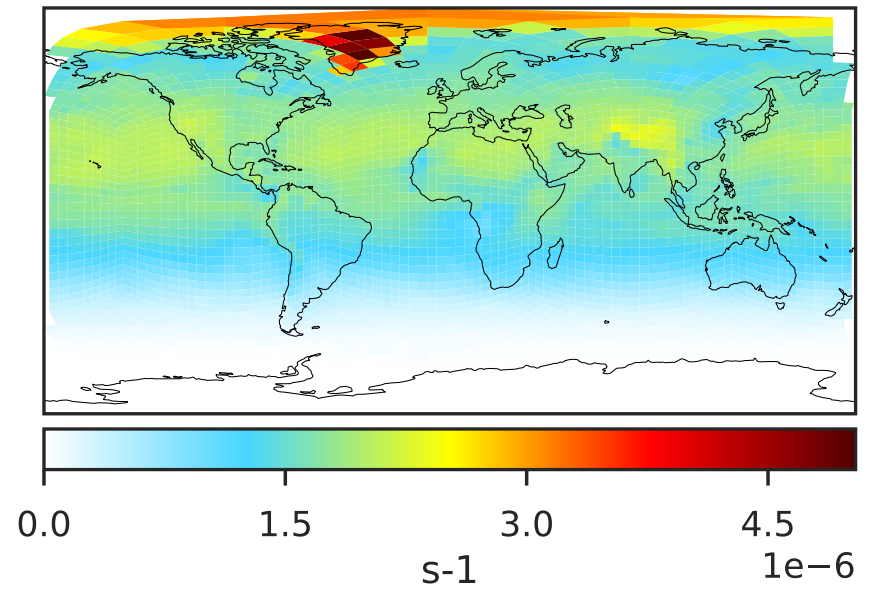


Jval_MP (Jul2019)

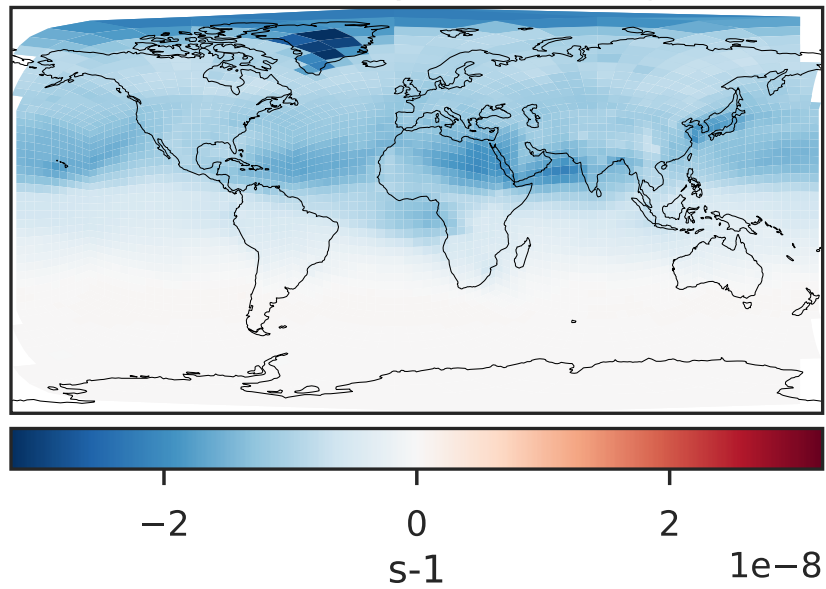
GCHP_14.0.0 (Ref)
c24



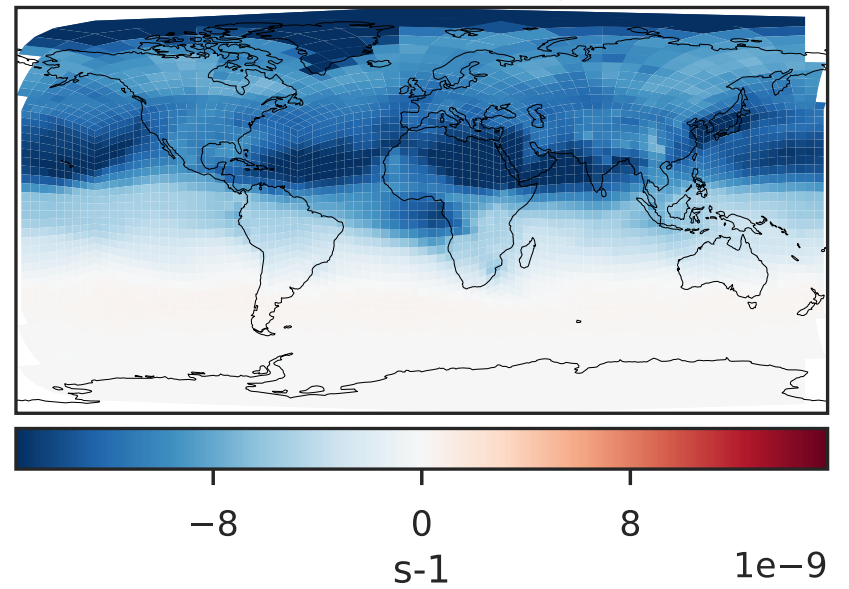
GCHP_14.2.0 (Dev)
c24



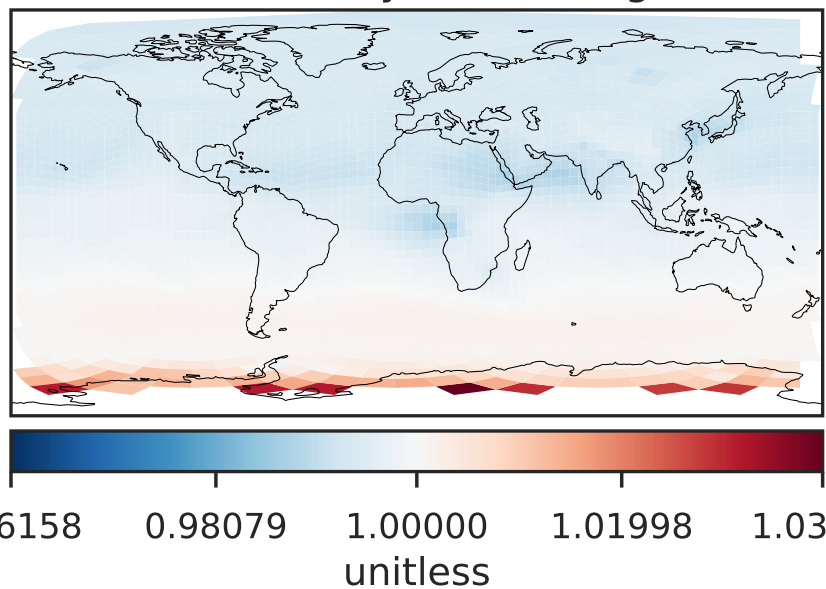
Difference
Dev - Ref, Dynamic Range



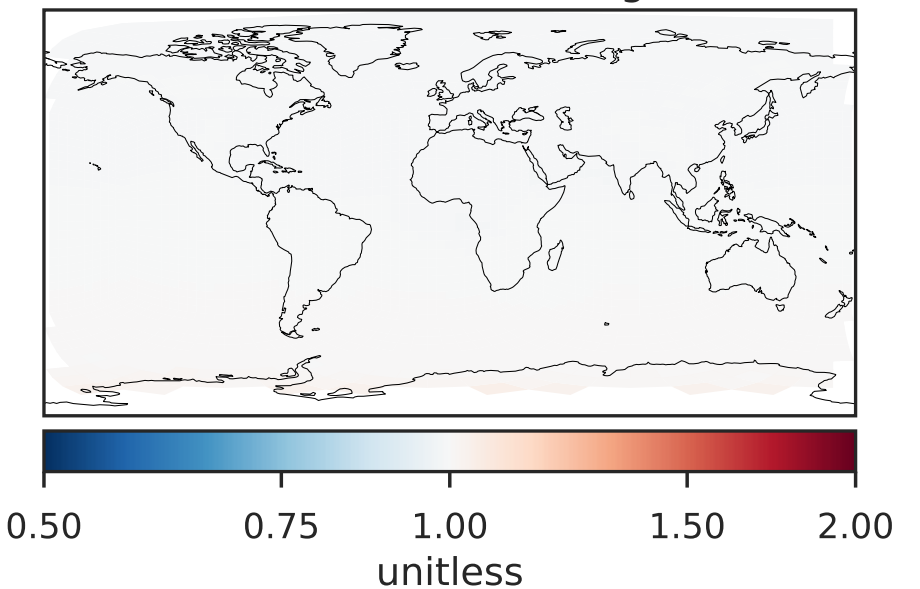
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range



Ratio
Dev/Ref, Fixed Range



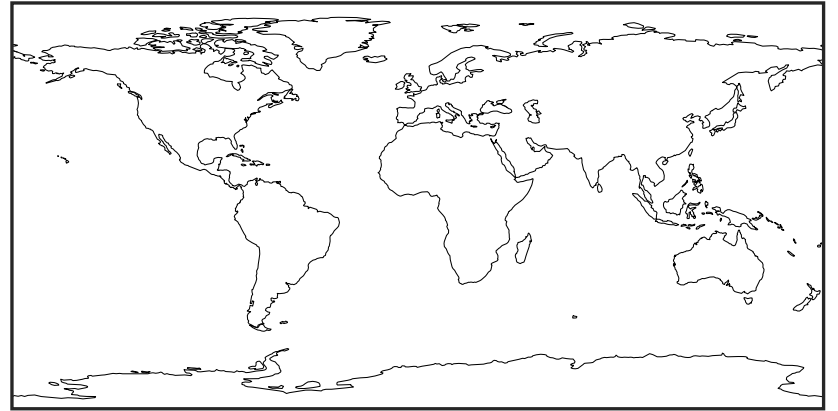
Jval_MPAN (Jul2019)

GCHP_14.0.0 (Ref)
c24



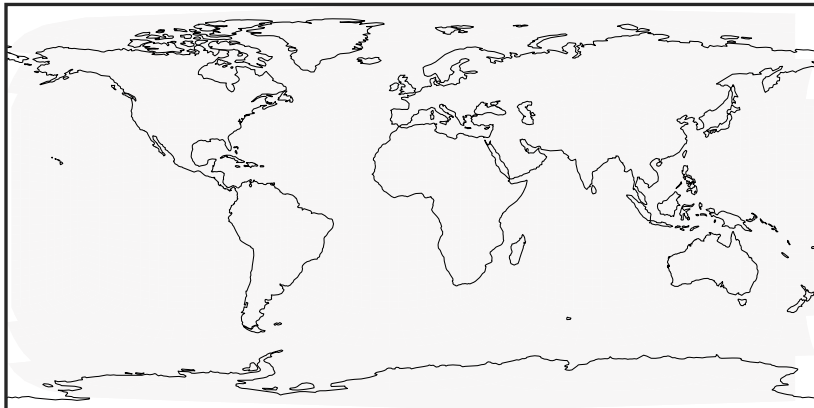
Zero throughput domain
s-1

GCHP_14.2.0 (Dev)
c24



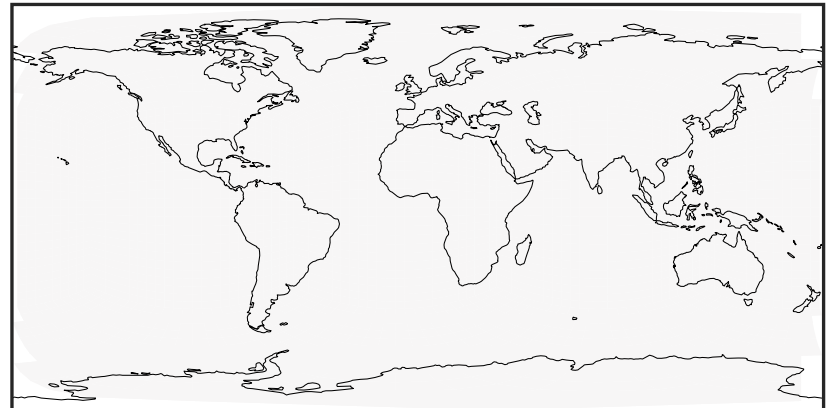
Zero throughput domain
s-1

Difference
Dev - Ref, Dynamic Range



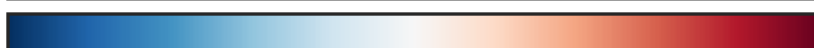
Zero throughput domain
s-1

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



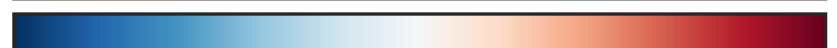
Zero throughput domain
s-1

Ratio
Dev/Ref, Dynamic Range



Undefined throughput domain
unitless

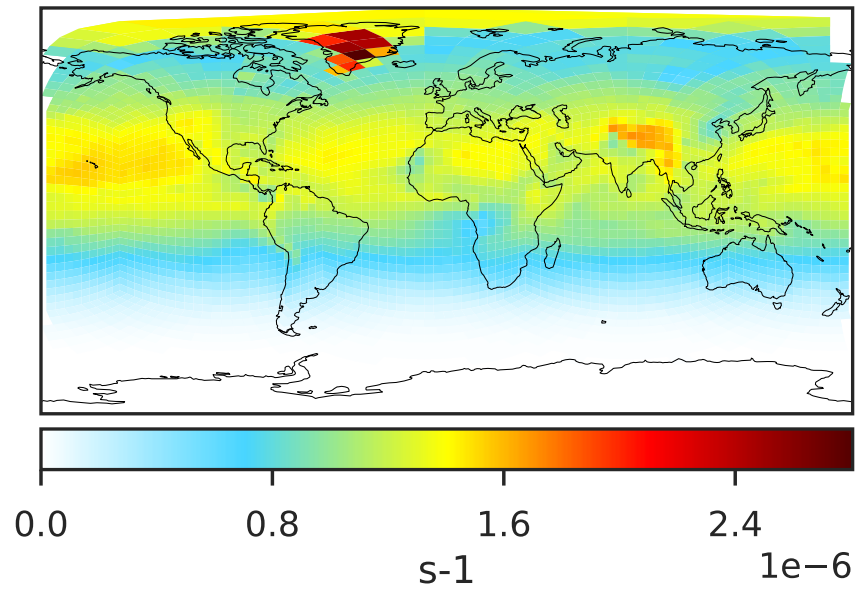
Ratio
Dev/Ref, Fixed Range



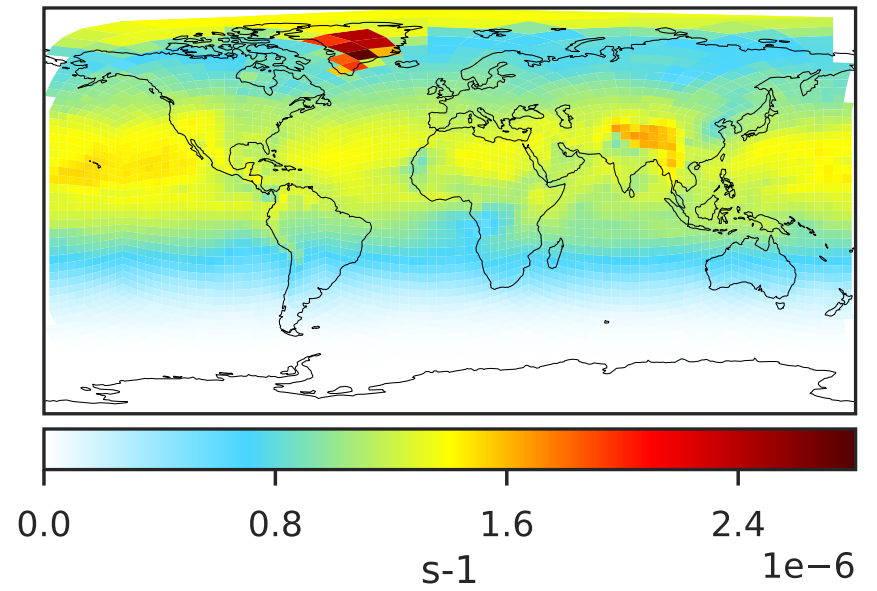
Undefined throughput domain
unitless

Jval_MPN (Jul2019)

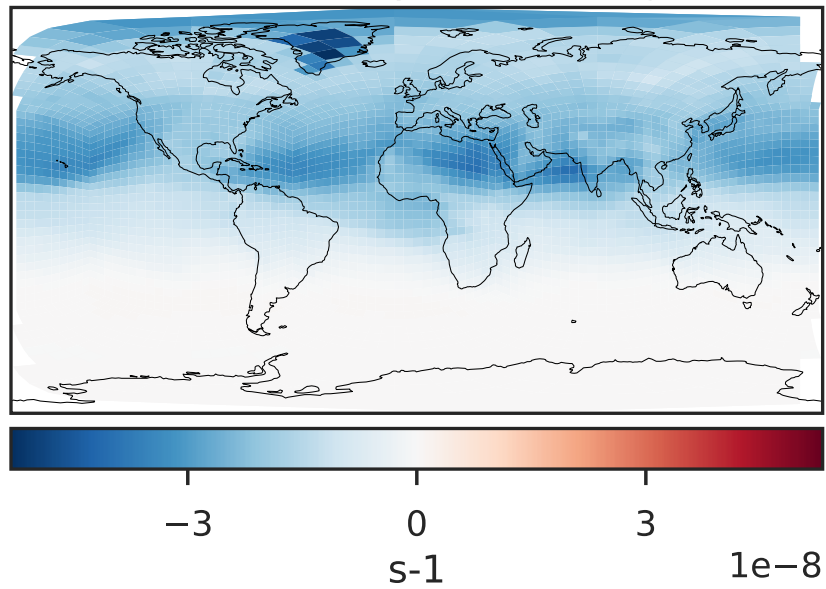
GCHP_14.0.0 (Ref)
c24



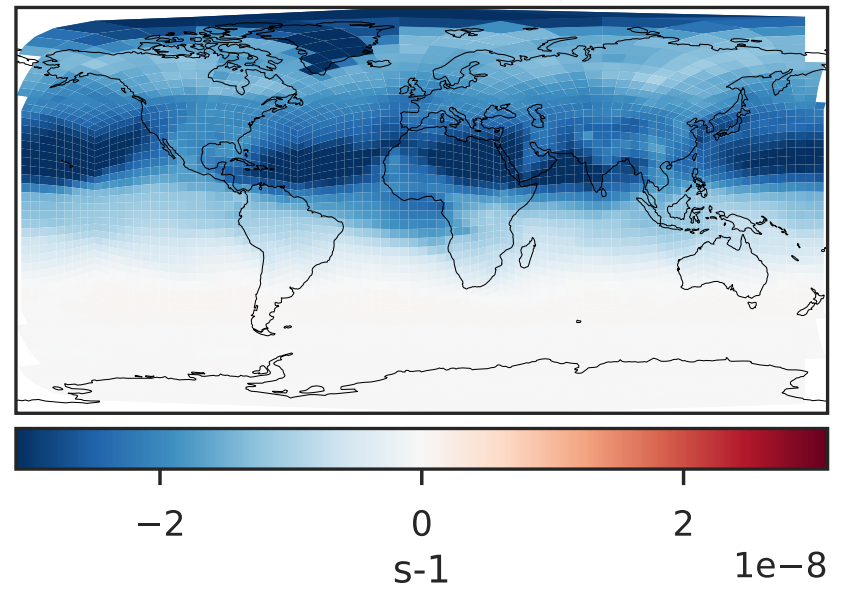
GCHP_14.2.0 (Dev)
c24



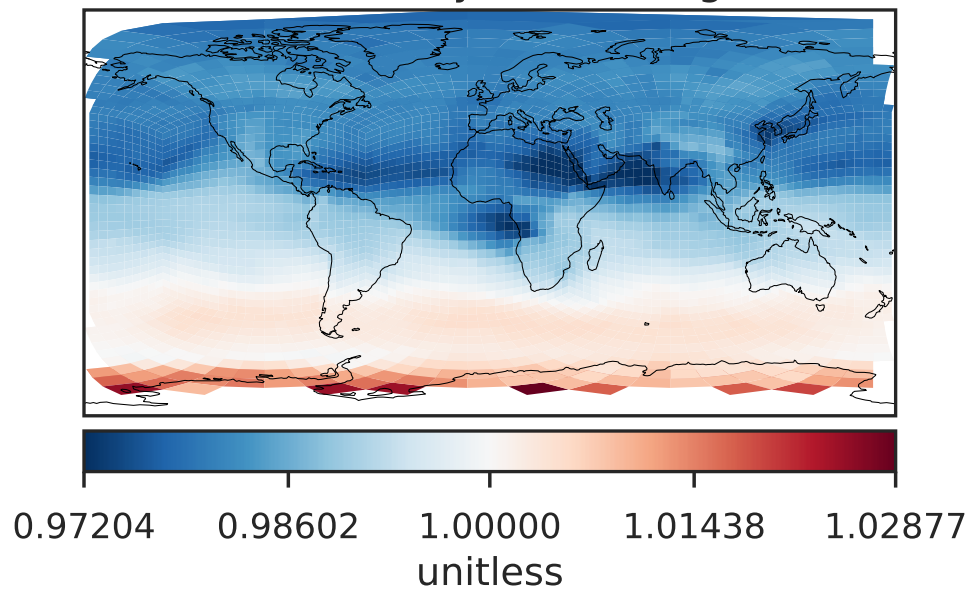
Difference
Dev - Ref, Dynamic Range



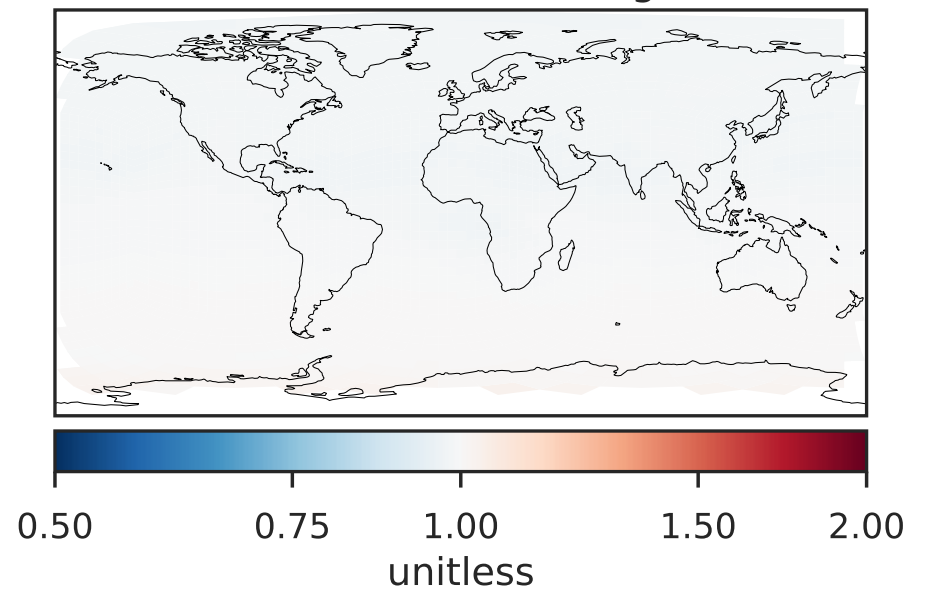
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

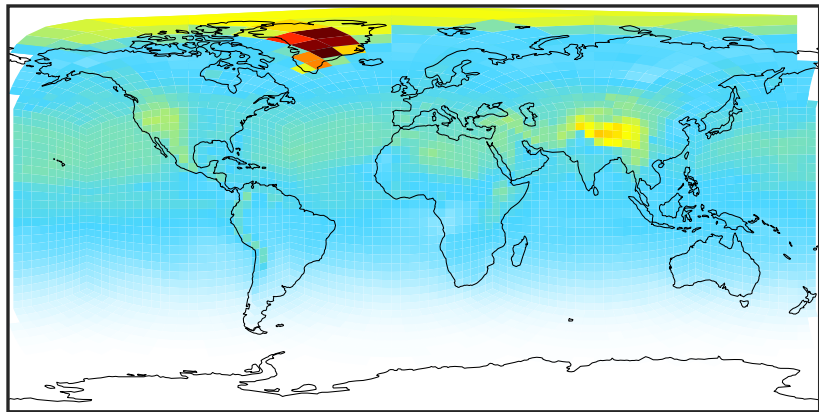


Ratio
Dev/Ref, Fixed Range



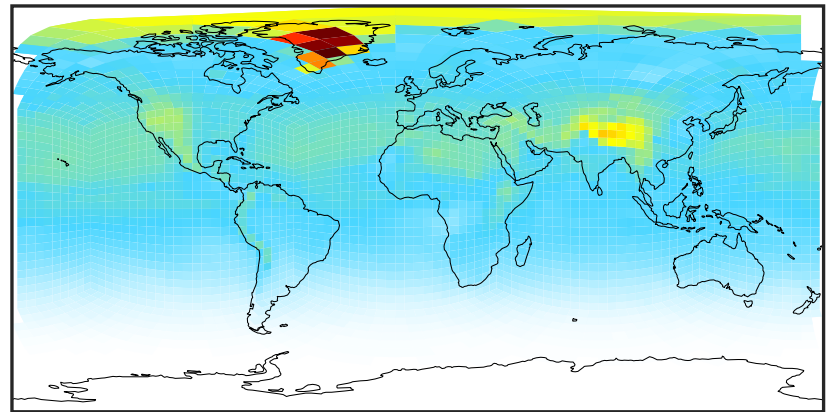
Jval_MVK (Jul2019)

GCHP_14.0.0 (Ref)
c24



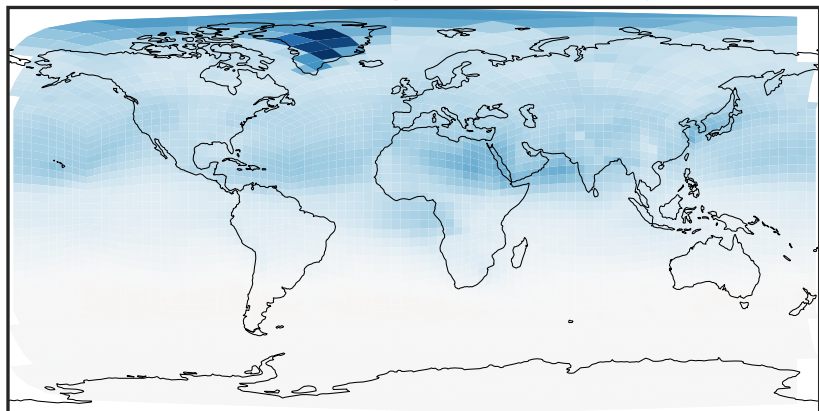
0.0 1.5 3.0 4.5
s-1 $1e-6$

GCHP_14.2.0 (Dev)
c24



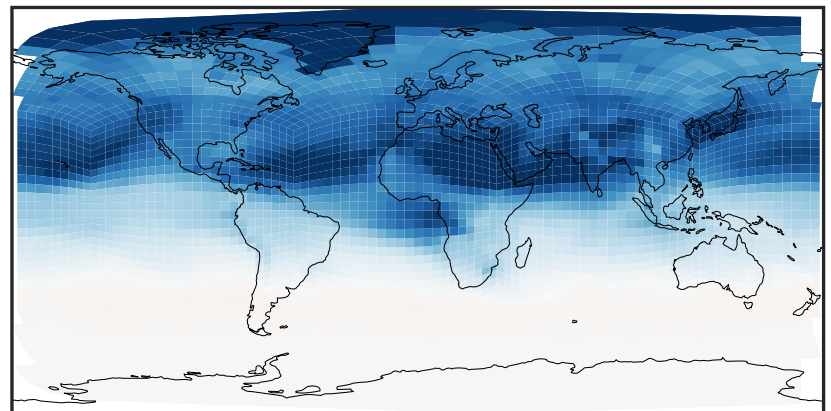
0.0 1.5 3.0 4.5
s-1 $1e-6$

Difference
Dev - Ref, Dynamic Range



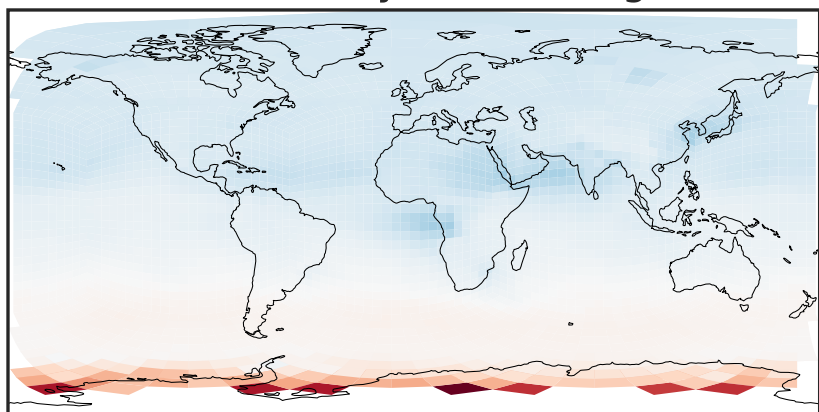
-2 0 2
s-1 $1e-8$

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



-6 0 6
s-1 $1e-9$

Ratio
Dev/Ref, Dynamic Range



0.96469 0.98234 1.00000 1.01830 1.03660
unitless

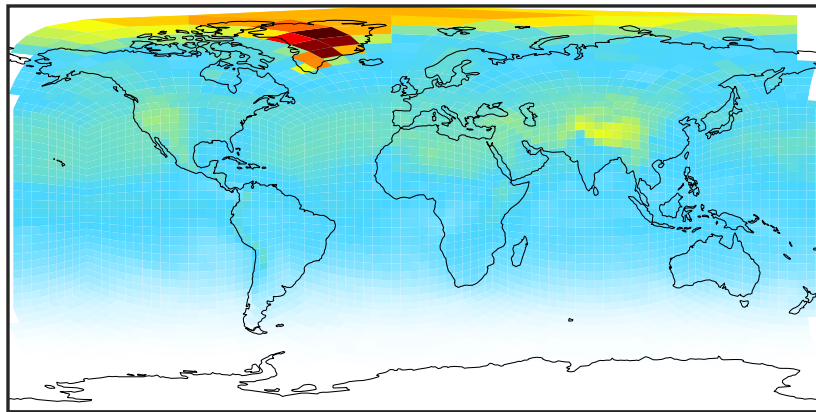
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

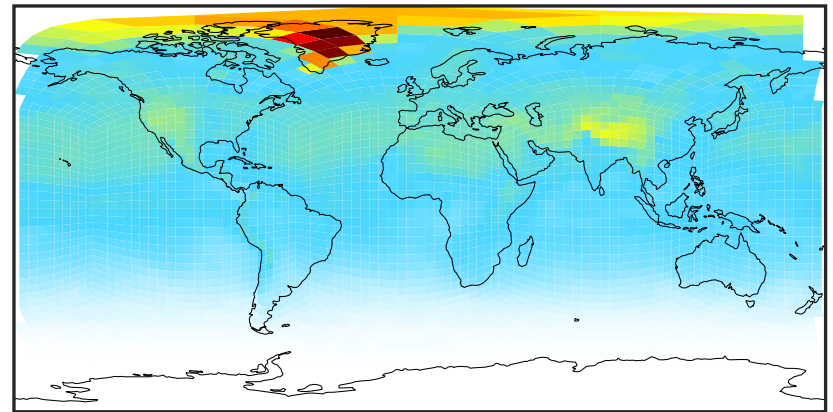
Jval_MVKHC (Jul2019)

GCHP_14.0.0 (Ref)
c24



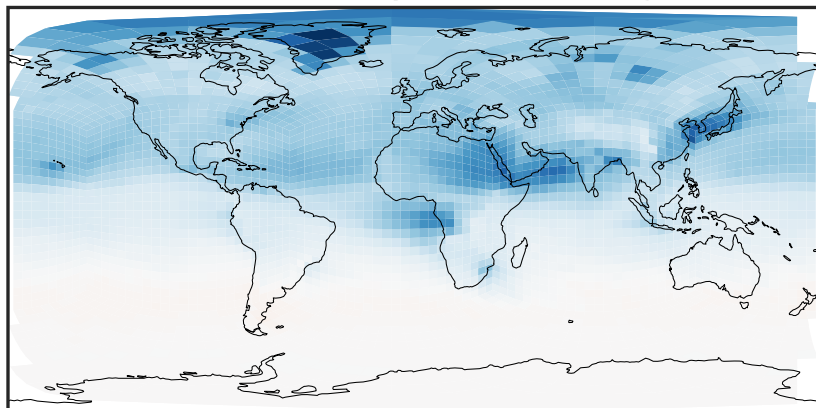
0.00000 0.00006 0.00012 0.00018
s-1

GCHP_14.2.0 (Dev)
c24



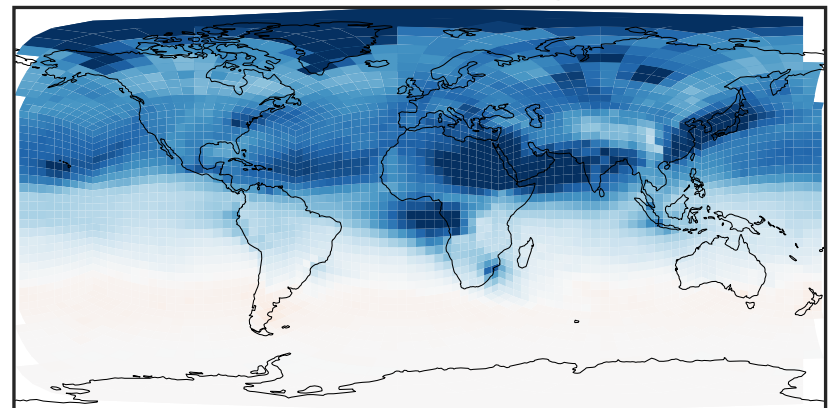
0.00000 0.00006 0.00012 0.00018
s-1

Difference
Dev - Ref, Dynamic Range



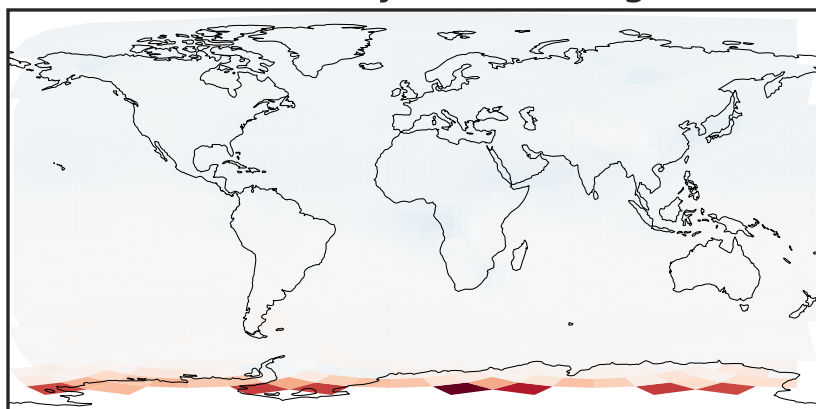
-2 0 2
s-1 1e-7

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



-1 0 1
s-1 1e-7

Ratio
Dev/Ref, Dynamic Range



0.9492 0.9746 1.0000 1.0268 1.0535
unitless

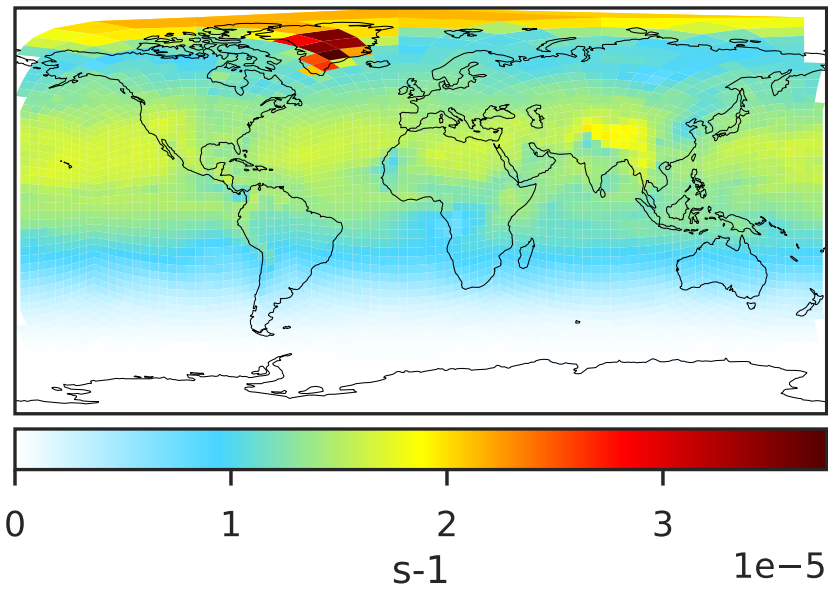
Ratio
Dev/Ref, Fixed Range



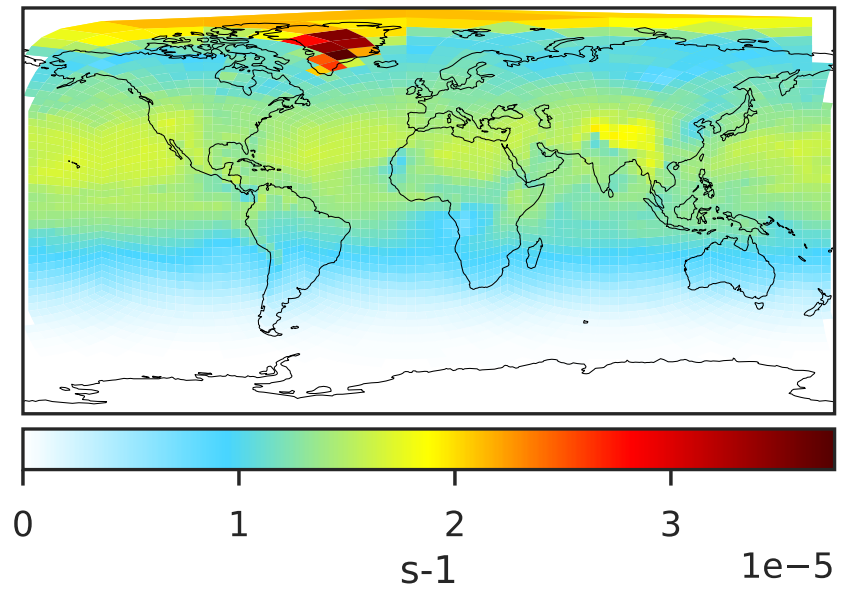
0.50 0.75 1.00 1.50 2.00
unitless

Jval_MVKHCB (Jul2019)

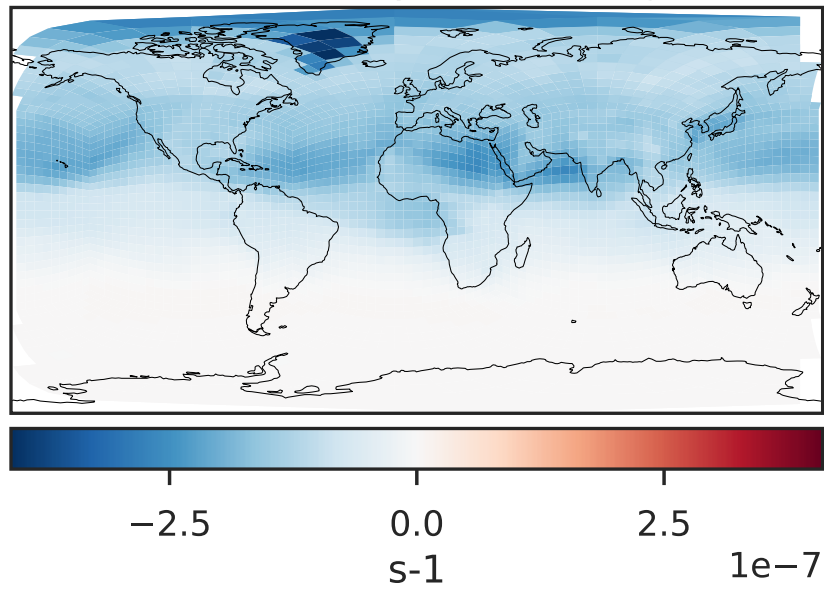
GCHP_14.0.0 (Ref)
c24



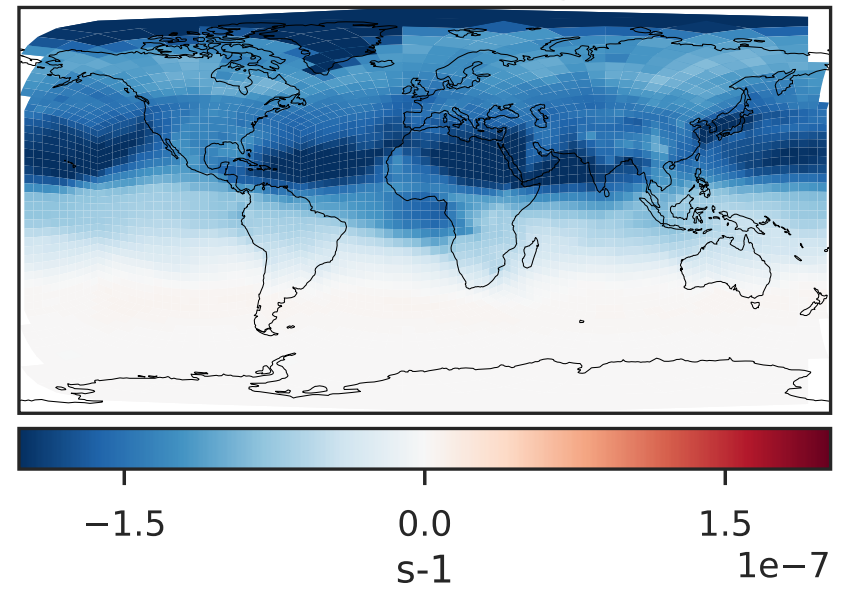
GCHP_14.2.0 (Dev)
c24



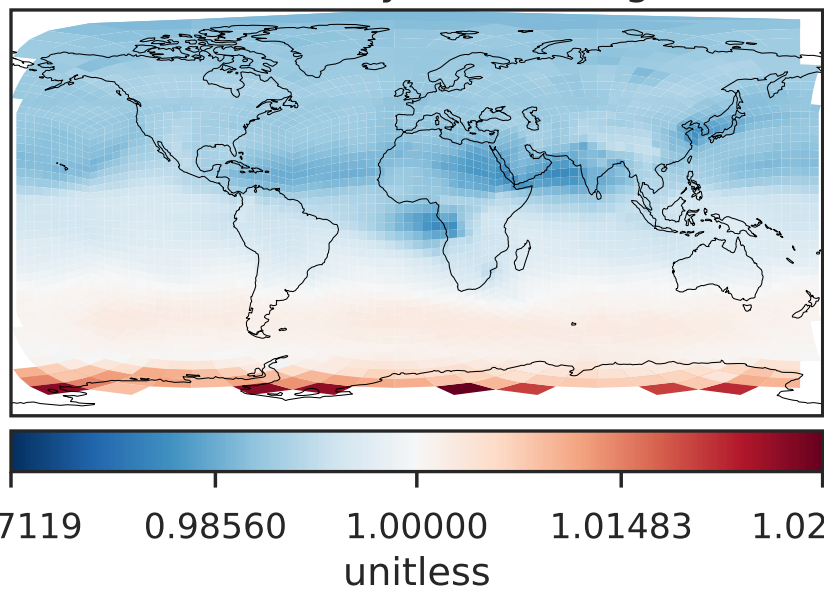
Difference
Dev - Ref, Dynamic Range



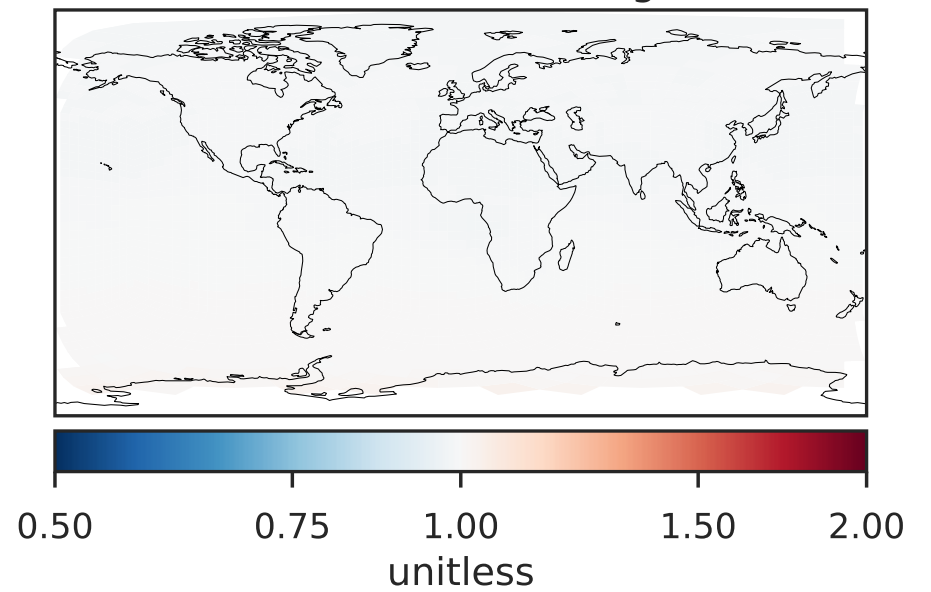
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

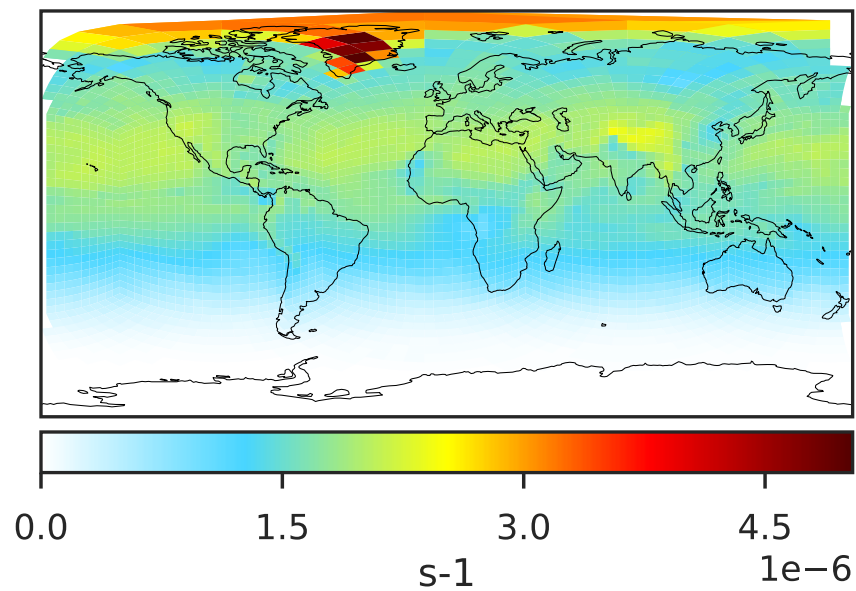


Ratio
Dev/Ref, Fixed Range

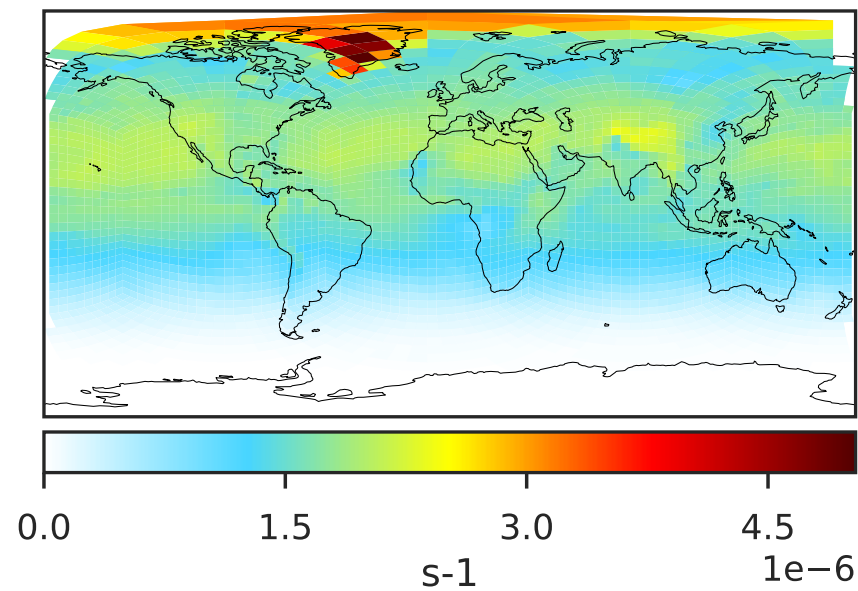


Jval_MVKHP (Jul2019)

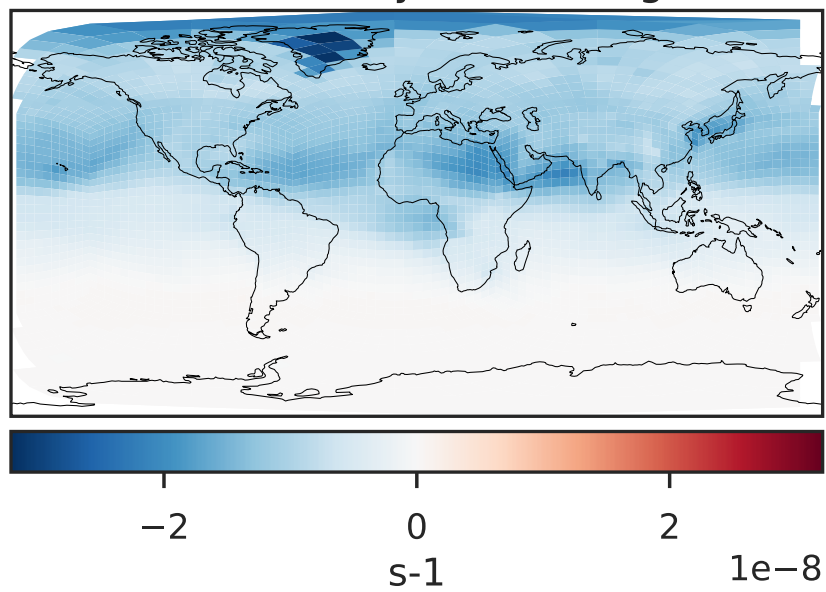
GCHP_14.0.0 (Ref)
c24



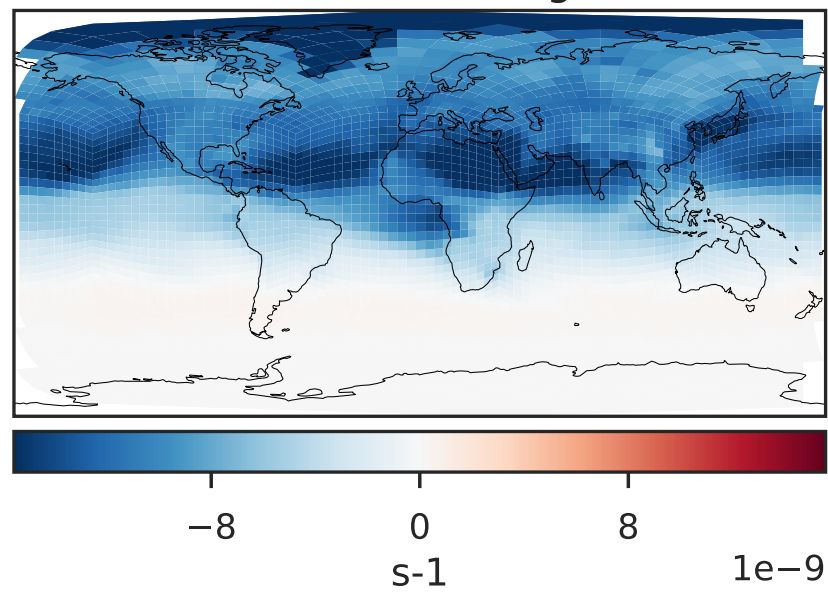
GCHP_14.2.0 (Dev)
c24



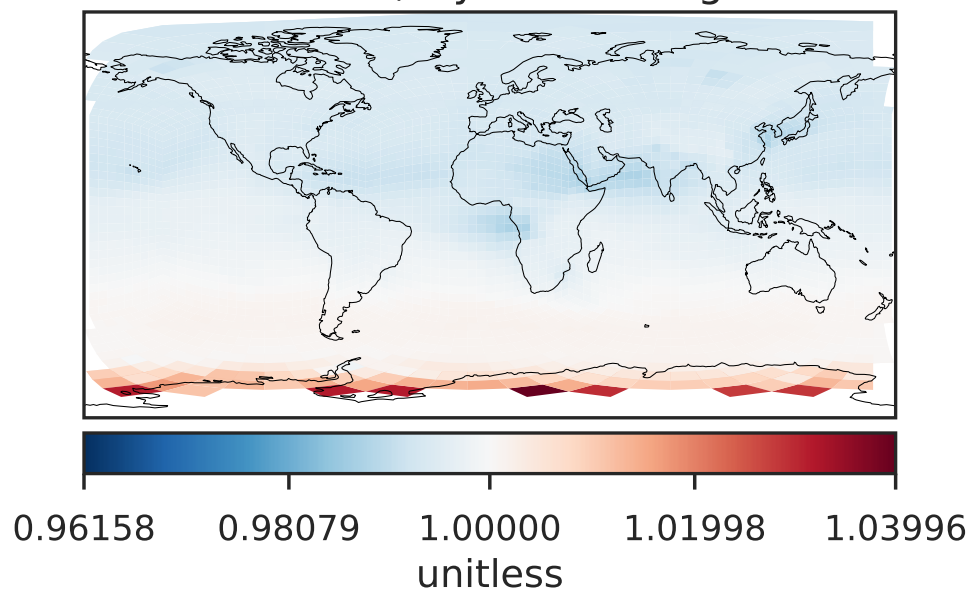
Difference
Dev - Ref, Dynamic Range



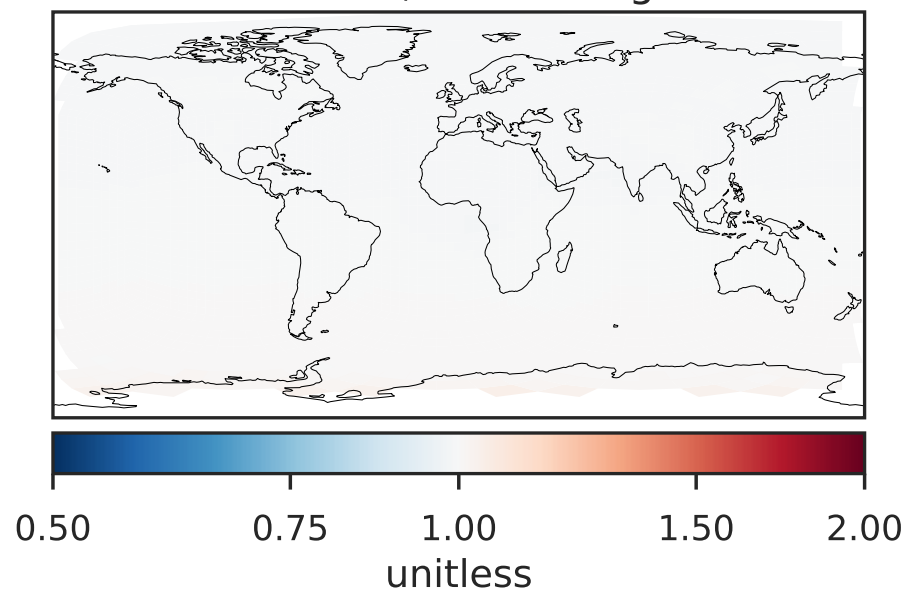
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

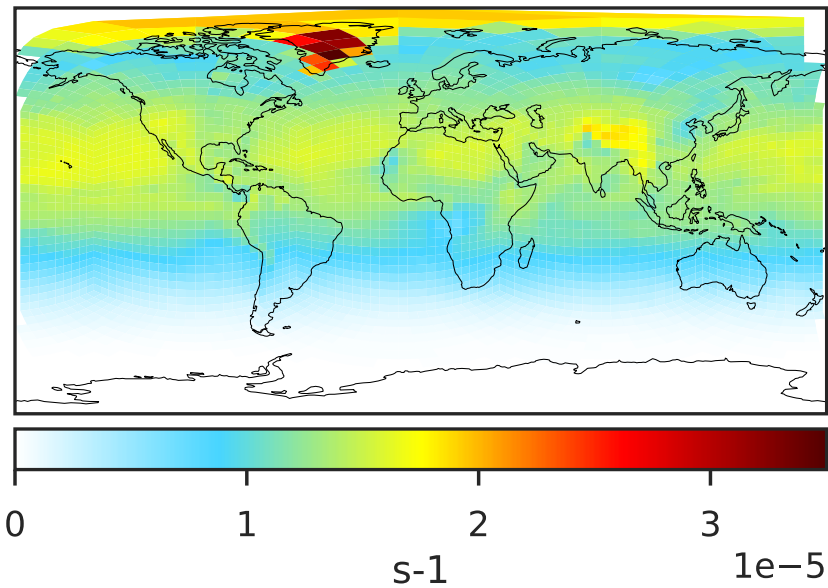


Ratio
Dev/Ref, Fixed Range

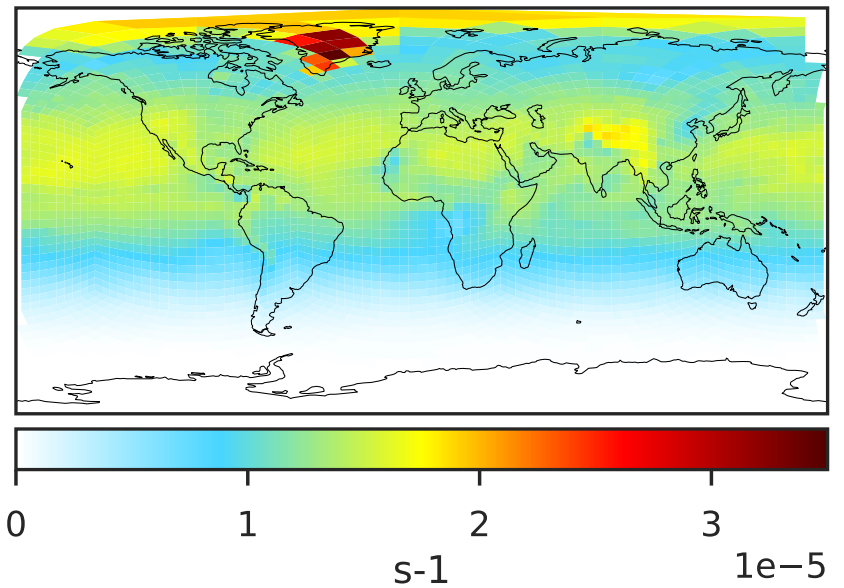


Jval_MVKN (Jul2019)

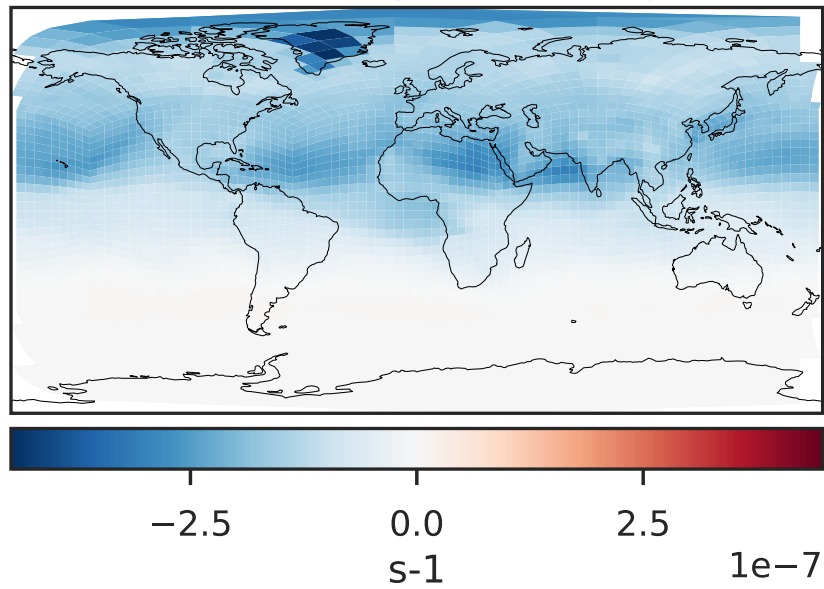
GCHP_14.0.0 (Ref)
c24



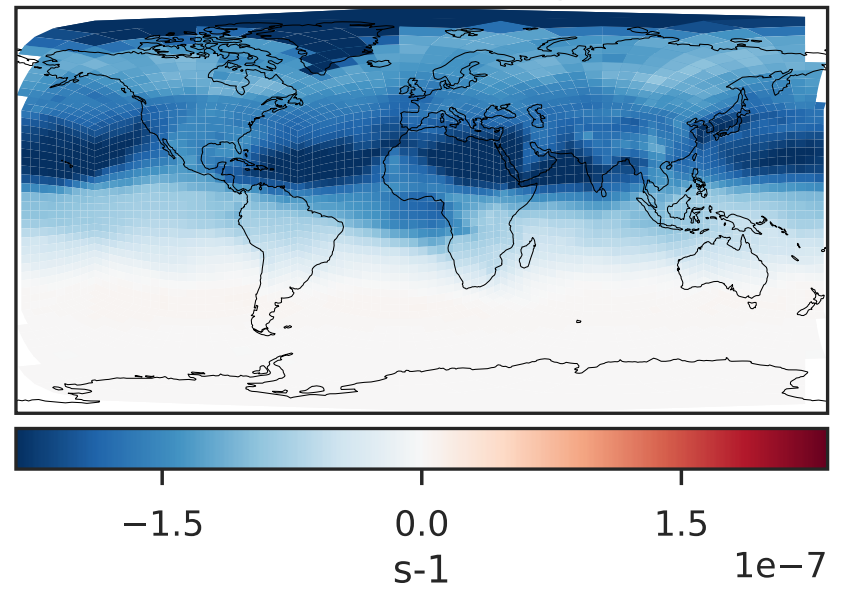
GCHP_14.2.0 (Dev)
c24



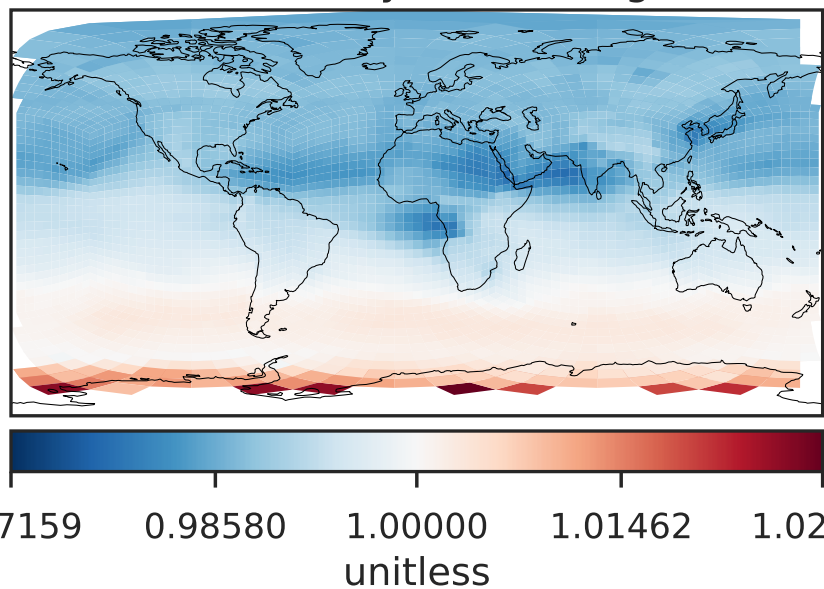
Difference
Dev - Ref, Dynamic Range



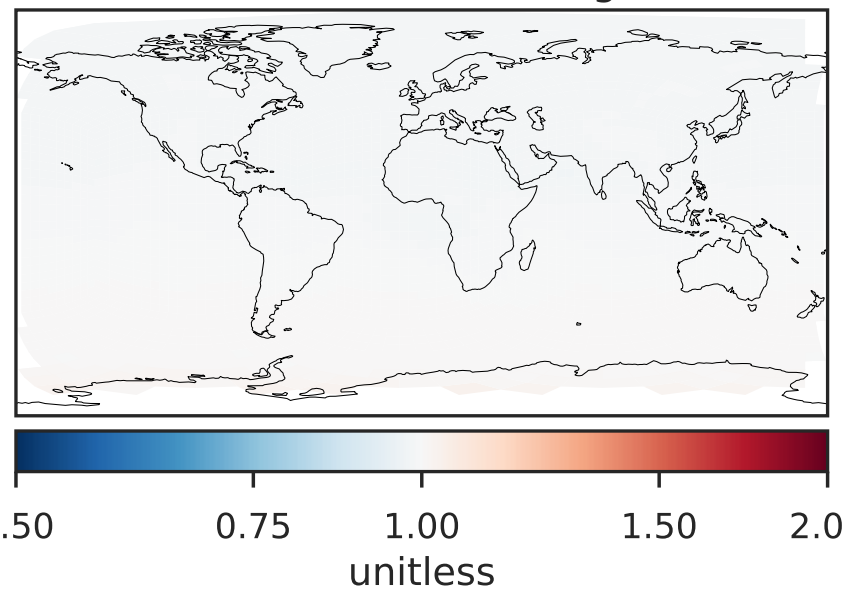
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

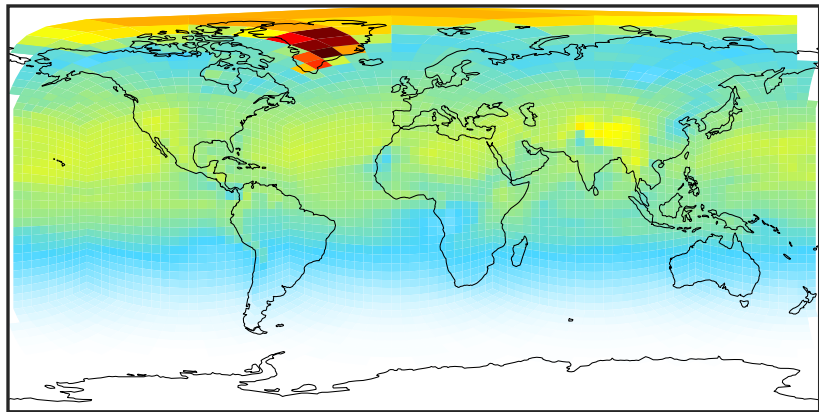


Ratio
Dev/Ref, Fixed Range



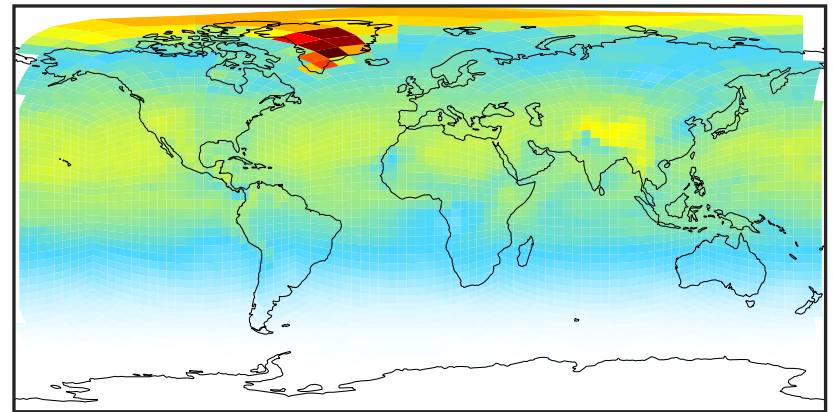
Jval_MVKPC (Jul2019)

GCHP_14.0.0 (Ref)
c24



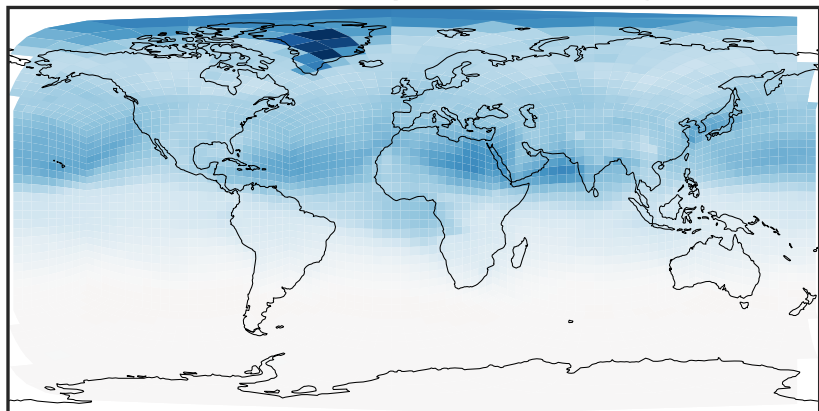
0.0 1.5 3.0 $1e-5$
s-1

GCHP_14.2.0 (Dev)
c24



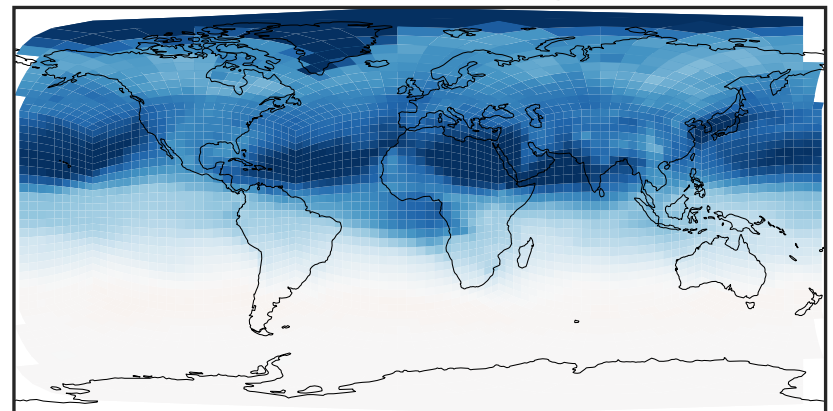
0.0 1.5 3.0 $1e-5$
s-1

Difference
Dev - Ref, Dynamic Range



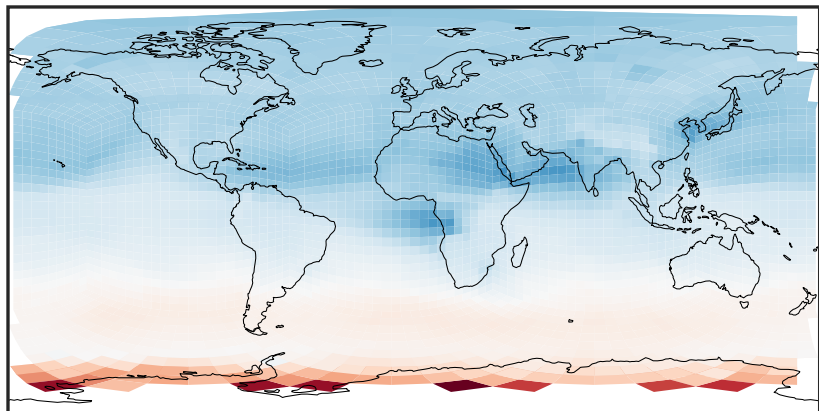
-2.5 0.0 2.5 $1e-7$
s-1

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



-1.5 0.0 1.5 $1e-7$
s-1

Ratio
Dev/Ref, Dynamic Range



0.96974 0.98487 1.00000 1.01560 1.03120
unitless

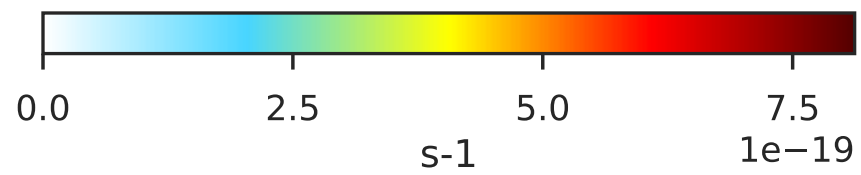
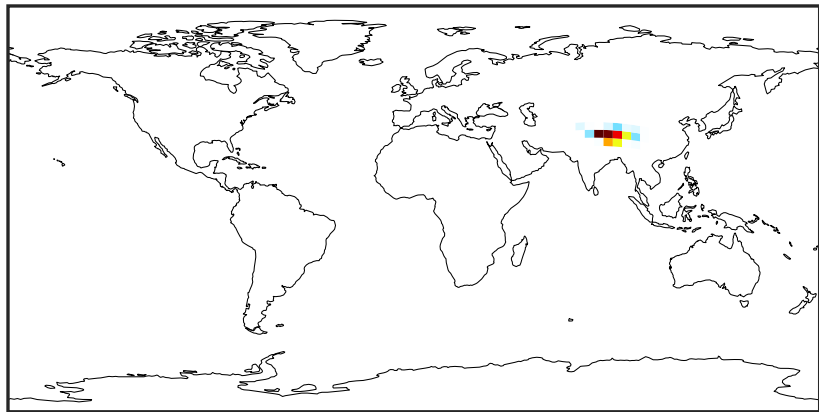
Ratio
Dev/Ref, Fixed Range



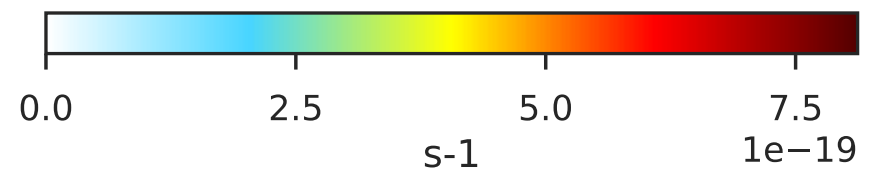
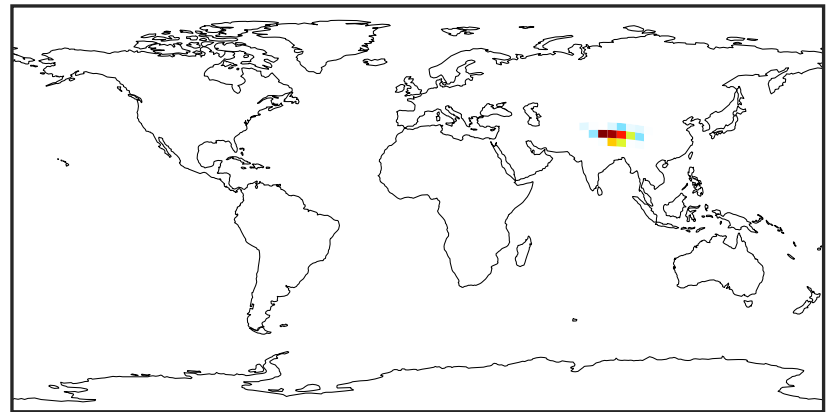
0.50 0.75 1.00 1.50 2.00
unitless

Jval_N2O (Jul2019)

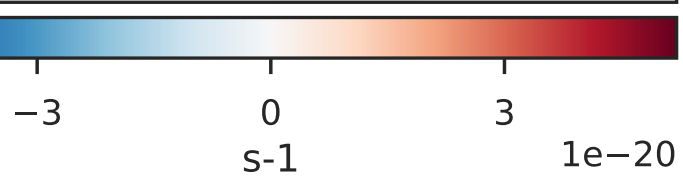
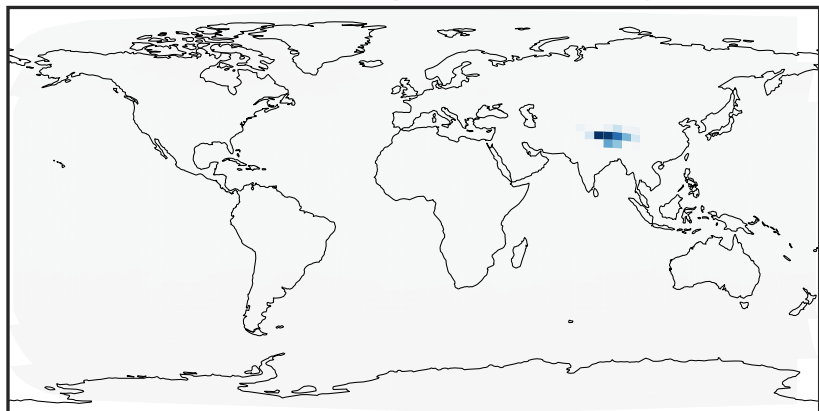
GCHP_14.0.0 (Ref)
c24



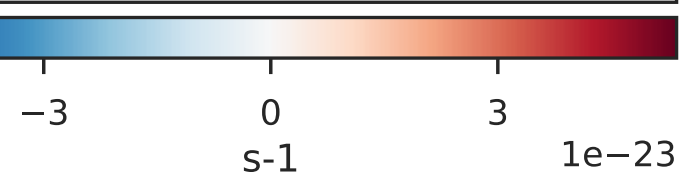
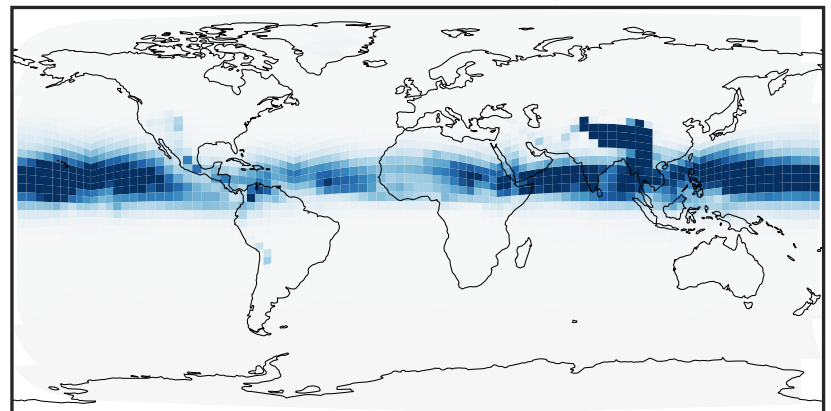
GCHP_14.2.0 (Dev)
c24



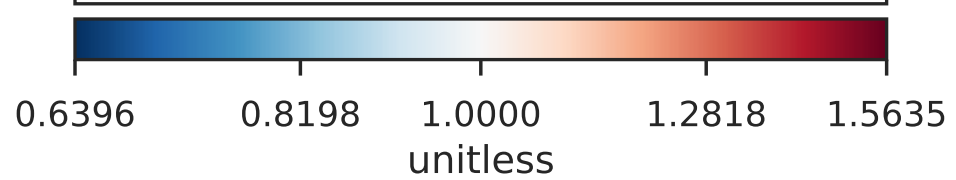
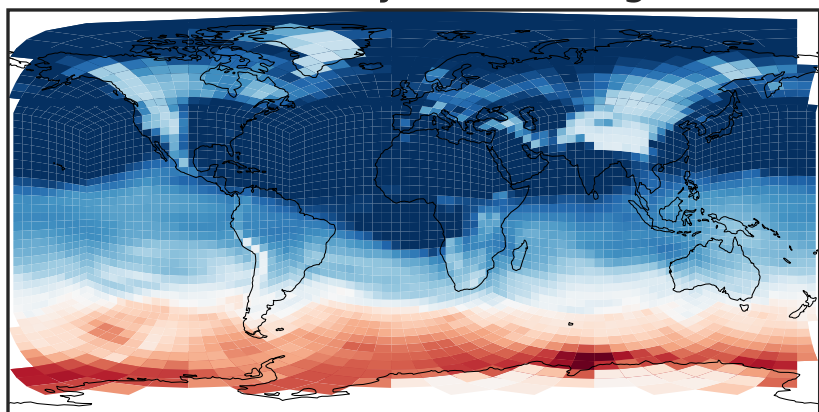
Difference
Dev - Ref, Dynamic Range



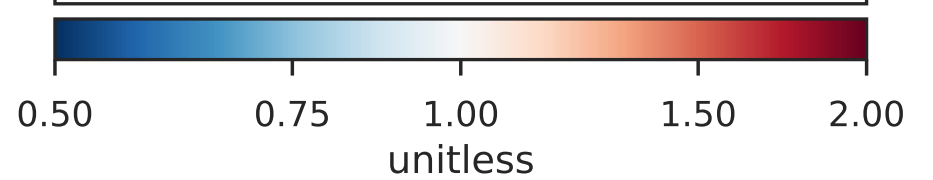
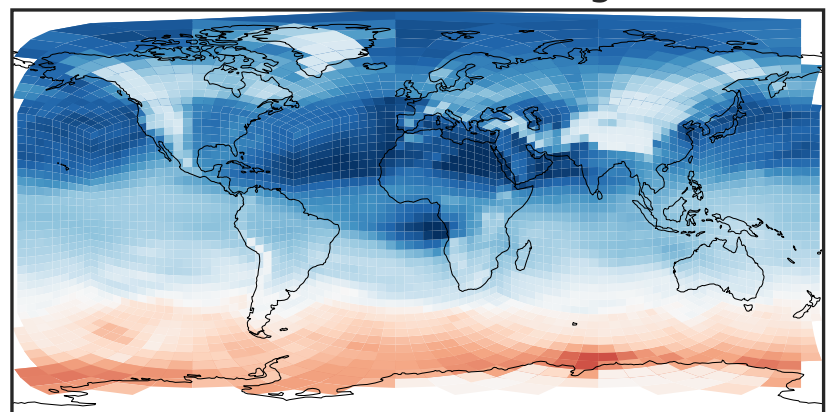
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

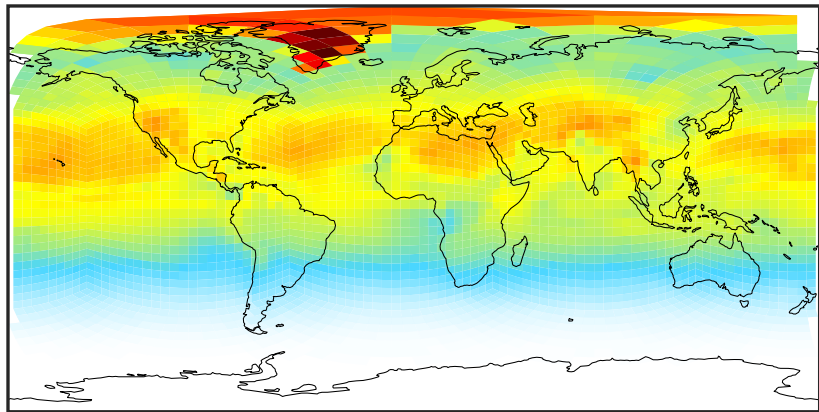


Ratio
Dev/Ref, Fixed Range



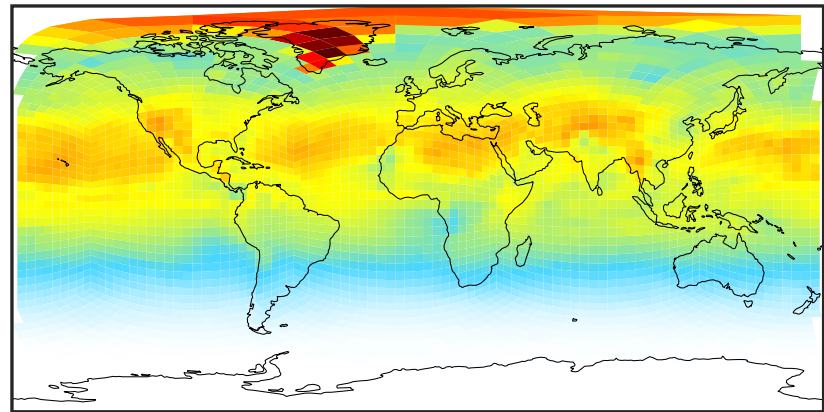
Jval_N2O5 (Jul2019)

GCHP_14.0.0 (Ref)
c24



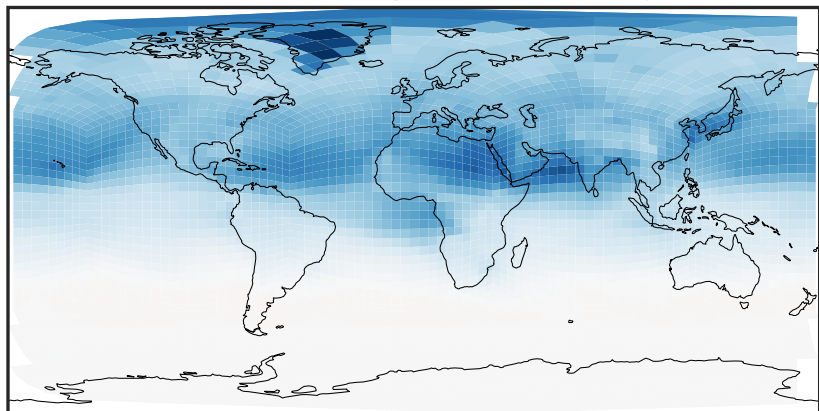
0.0 0.8 1.6 2.4 $1e-5$
s-1

GCHP_14.2.0 (Dev)
c24



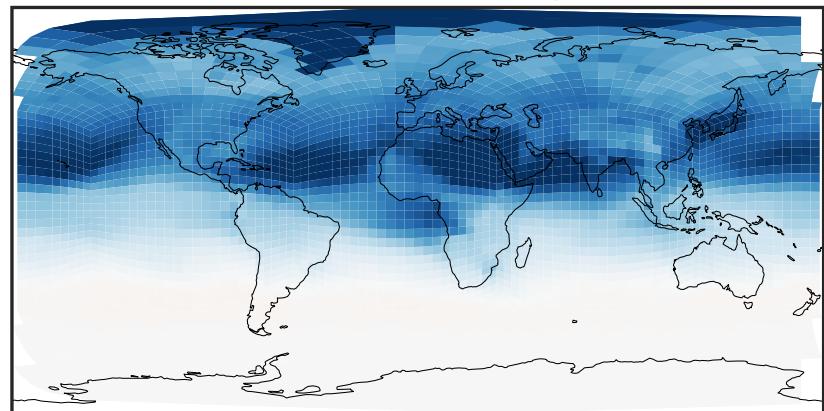
0.0 0.8 1.6 2.4 $1e-5$
s-1

Difference
Dev - Ref, Dynamic Range



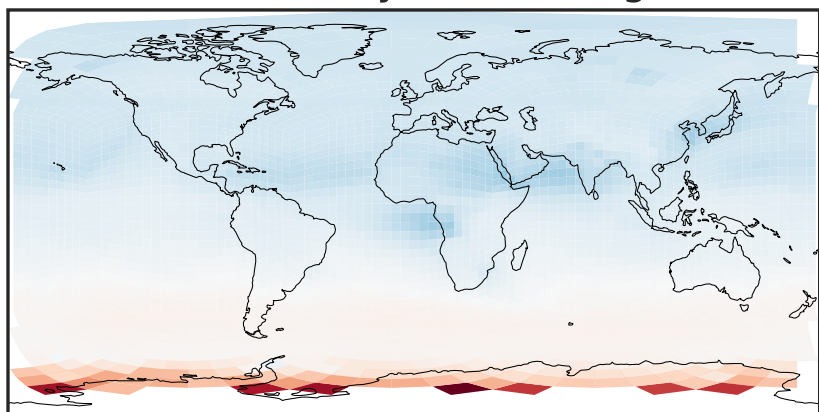
-1.5 0.0 1.5 $1e-7$
s-1

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



-8 0 8 $1e-8$
s-1

Ratio
Dev/Ref, Dynamic Range



0.96517 0.98258 1.00000 1.01805 1.03609
unitless

Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

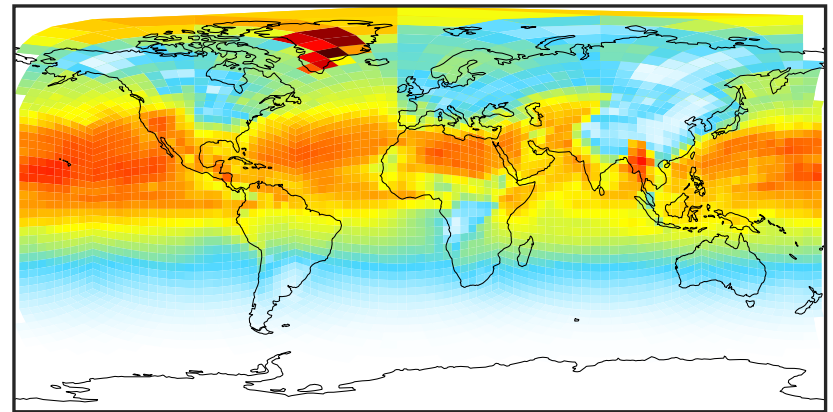
Jval_NIT (Jul2019)

GCHP_14.0.0 (Ref)
c24



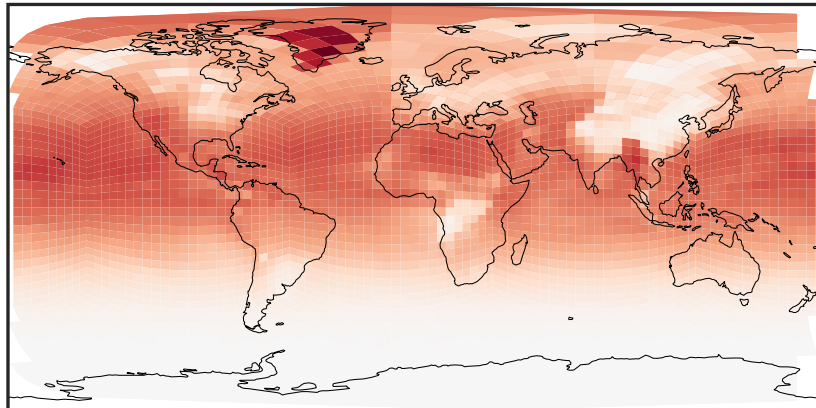
Zero throughout domain
s-1

GCHP_14.2.0 (Dev)
c24



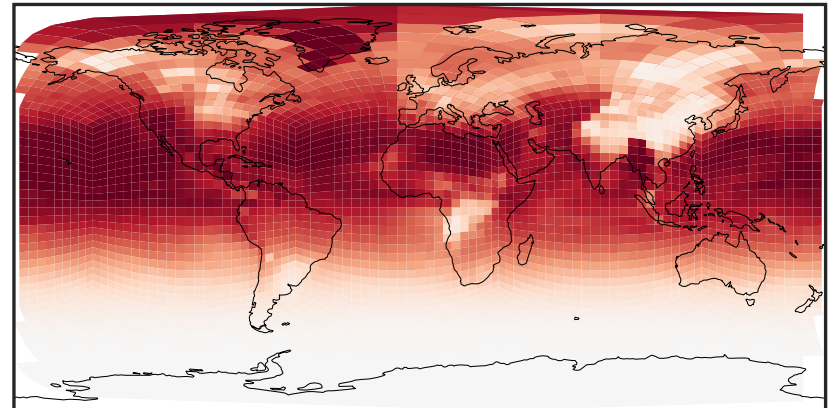
0 1 2 3
s-1 1e-5

Difference
Dev - Ref, Dynamic Range



-2 0 2
s-1 1e-5

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



-1.5 0.0 1.5
s-1 1e-5

Ratio
Dev/Ref, Dynamic Range



Undefined throughout domain
unitless

Ratio
Dev/Ref, Fixed Range



Undefined throughout domain
unitless

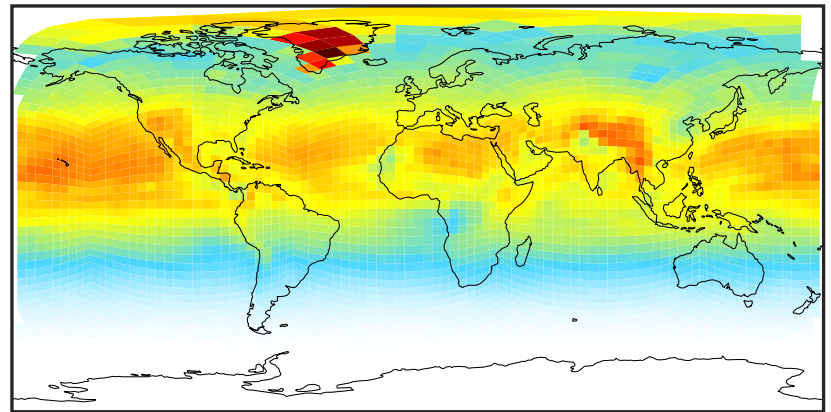
Jval_NITs (Jul2019)

GCHP_14.0.0 (Ref)
c24



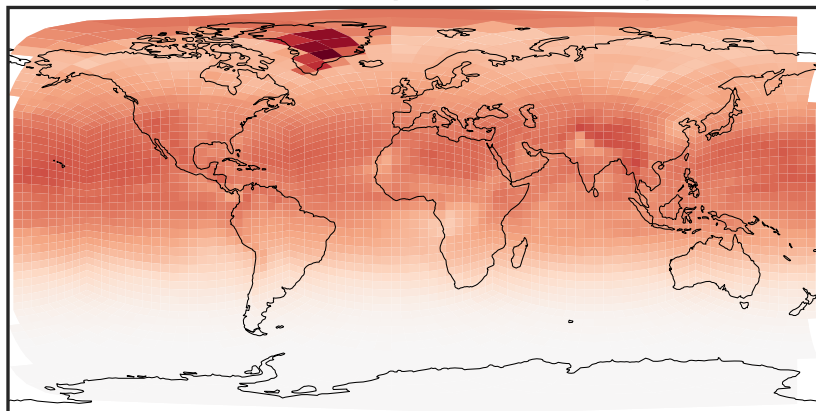
Zero throughout domain
s-1

GCHP_14.2.0 (Dev)
c24



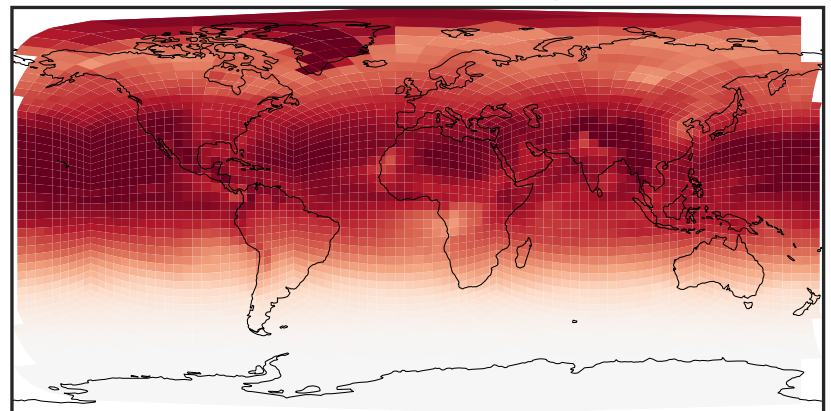
0 1 2 3
s-1 1e-5

Difference
Dev - Ref, Dynamic Range



-2 0 2
s-1 1e-5

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



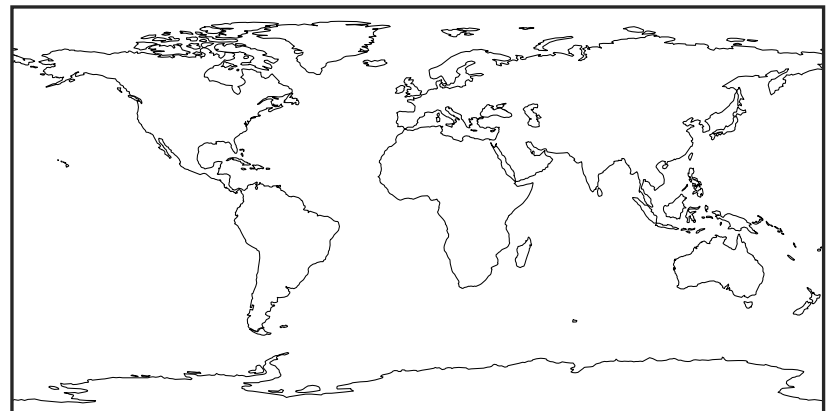
-1.5 0.0 1.5
s-1 1e-5

Ratio
Dev/Ref, Dynamic Range



Undefined throughout domain
unitless

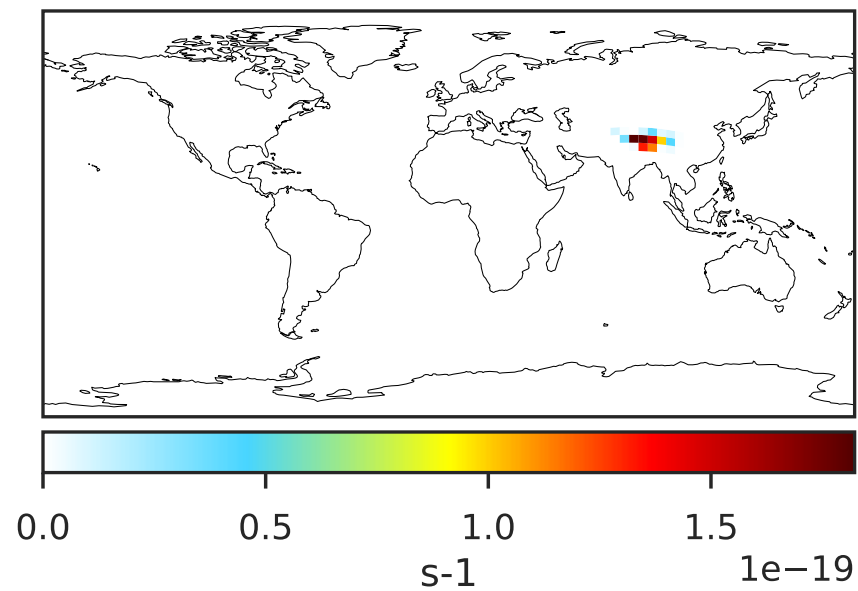
Ratio
Dev/Ref, Fixed Range



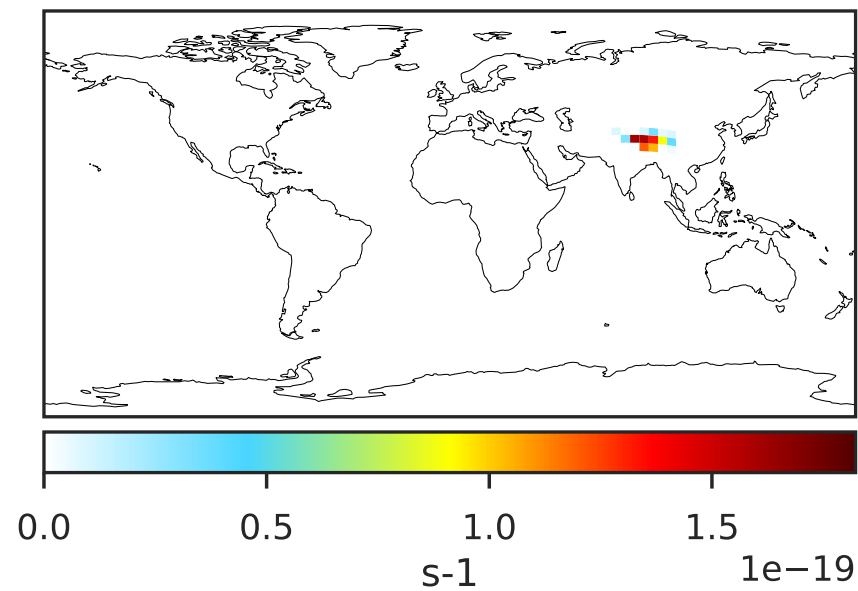
Undefined throughout domain
unitless

Jval_NO (Jul2019)

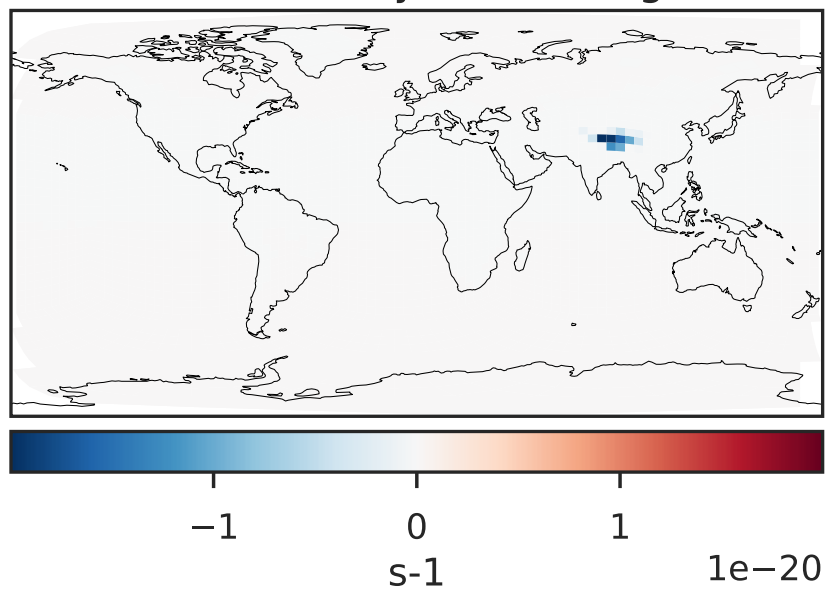
GCHP_14.0.0 (Ref)
c24



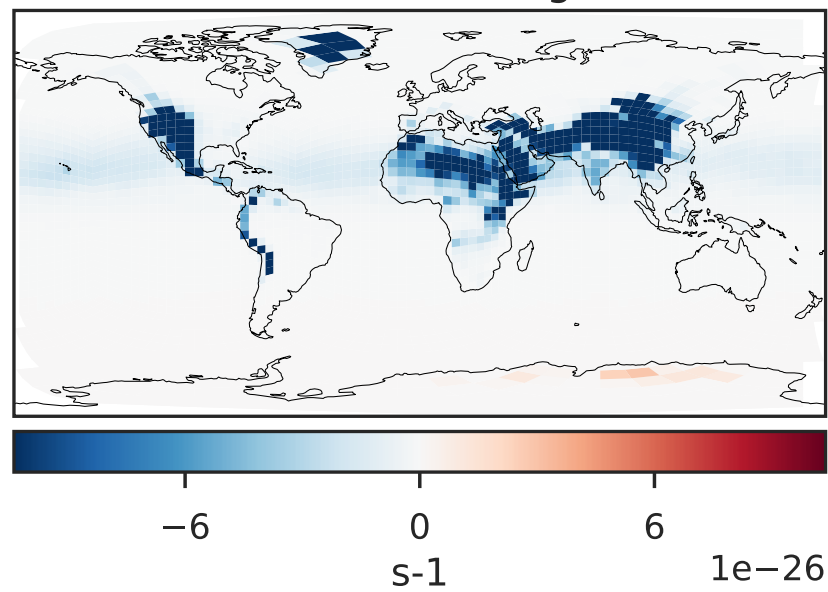
GCHP_14.2.0 (Dev)
c24



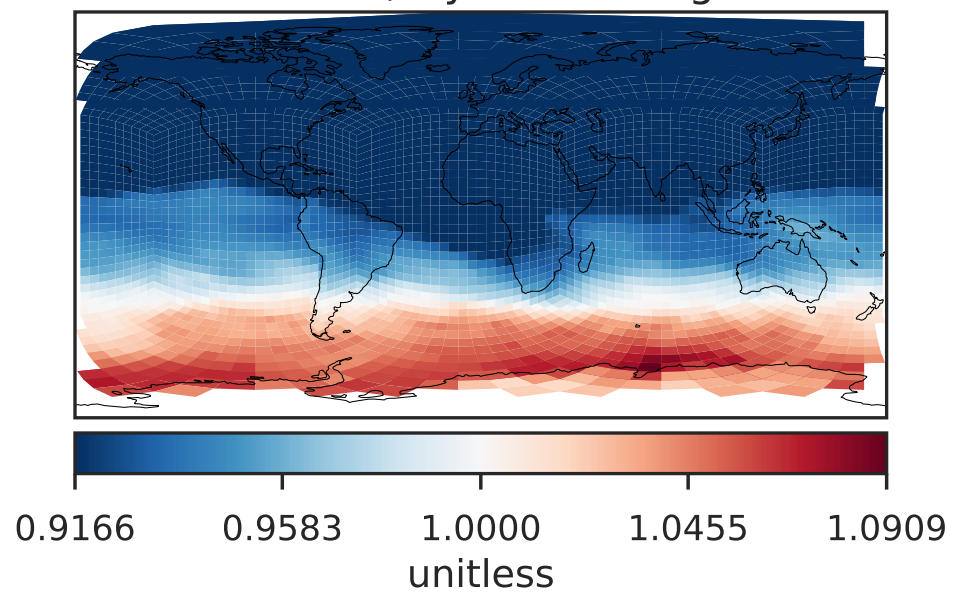
Difference
Dev - Ref, Dynamic Range



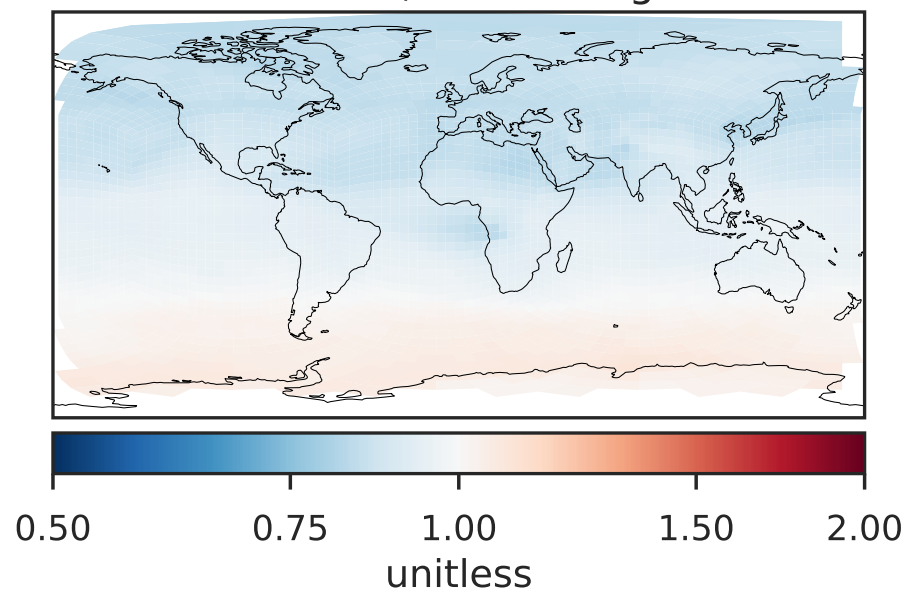
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

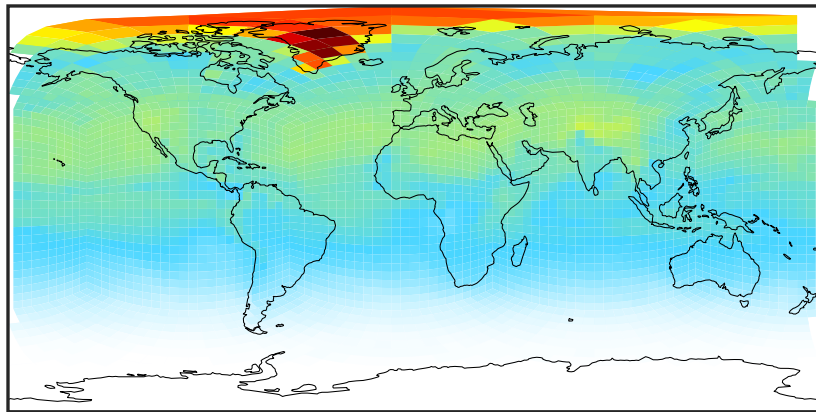


Ratio
Dev/Ref, Fixed Range



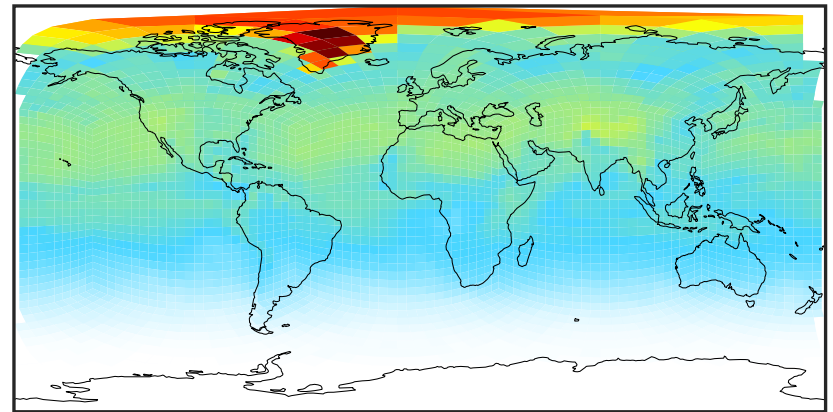
Jval_NO2 (Jul2019)

GCHP_14.0.0 (Ref)
c24



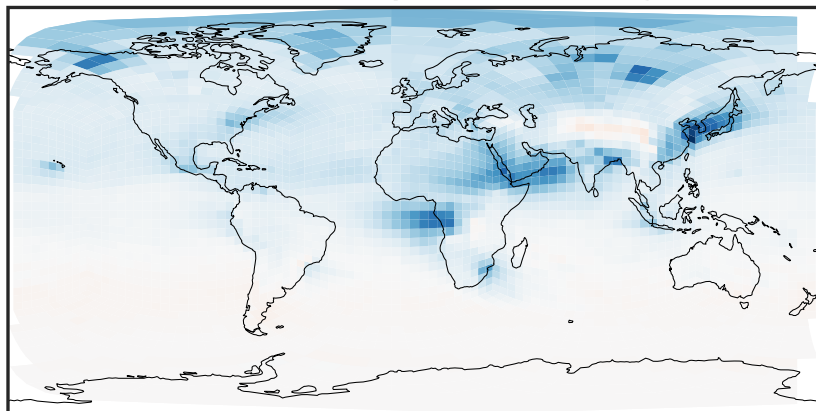
0.000 0.003 0.006 0.009
s-1

GCHP_14.2.0 (Dev)
c24



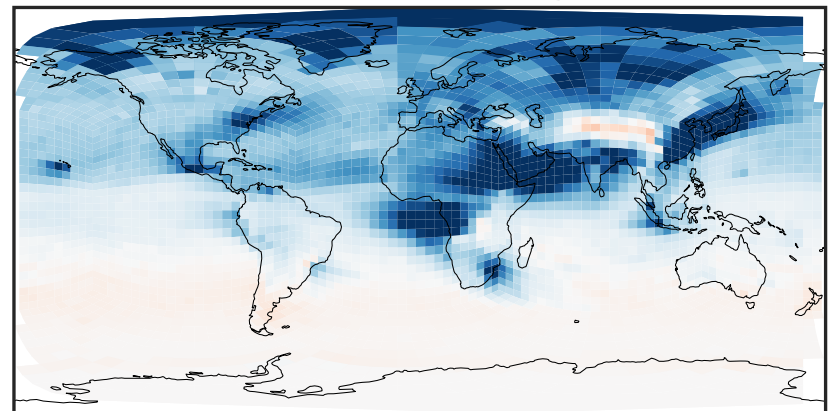
0.000 0.003 0.006 0.009
s-1

Difference
Dev - Ref, Dynamic Range



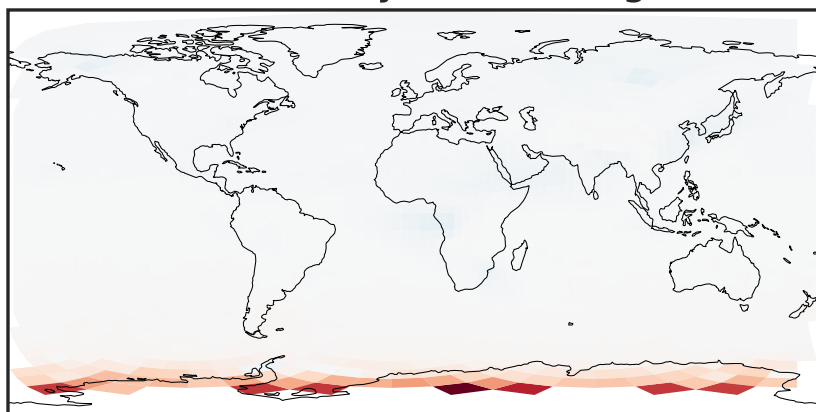
-8 0 8
s-1 1e-6

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



-3 0 3
s-1 1e-6

Ratio
Dev/Ref, Dynamic Range



0.9482 0.9741 1.000 1.0273 1.0547
unitless

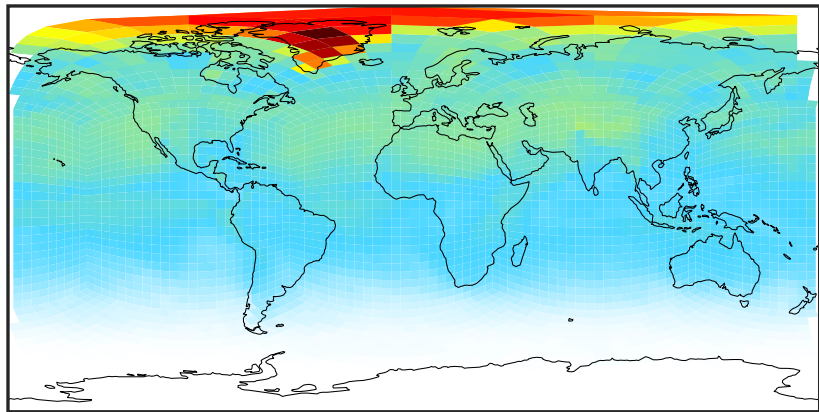
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

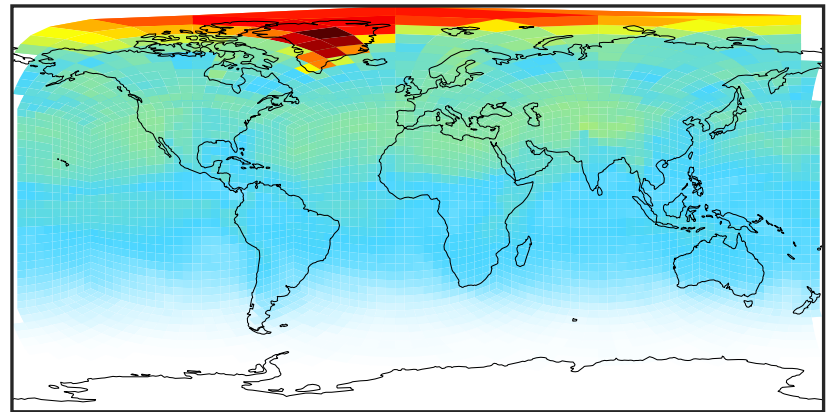
Jval_NO3 (Jul2019)

GCHP_14.0.0 (Ref)
c24



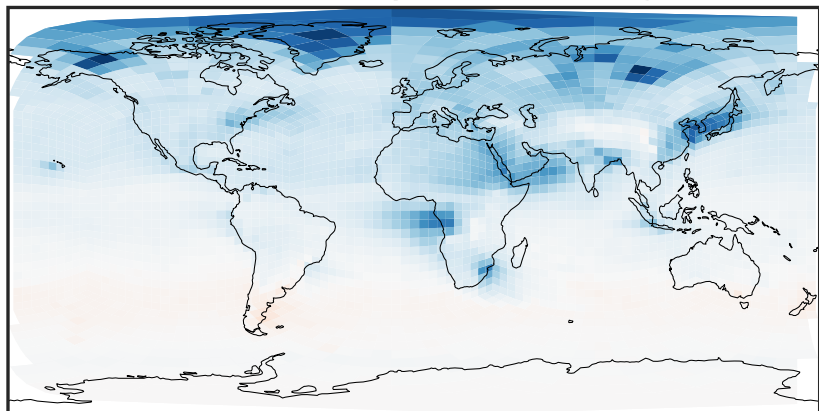
0.0000 0.0725 0.1450 0.2175 0.2900
s-1

GCHP_14.2.0 (Dev)
c24



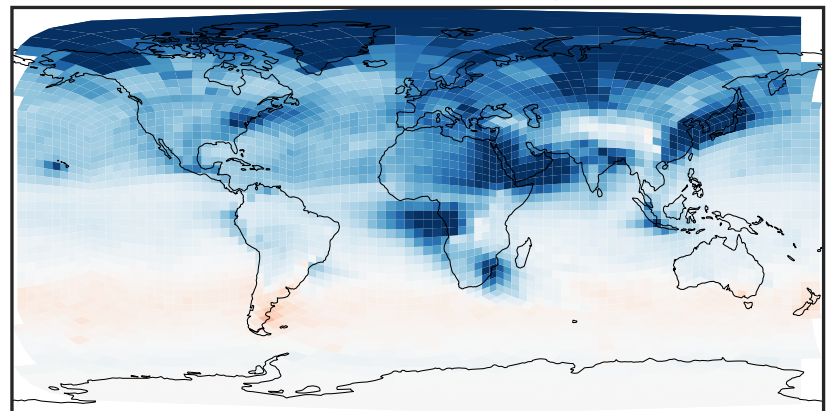
0.0000 0.0725 0.1450 0.2175 0.2900
s-1

Difference
Dev - Ref, Dynamic Range



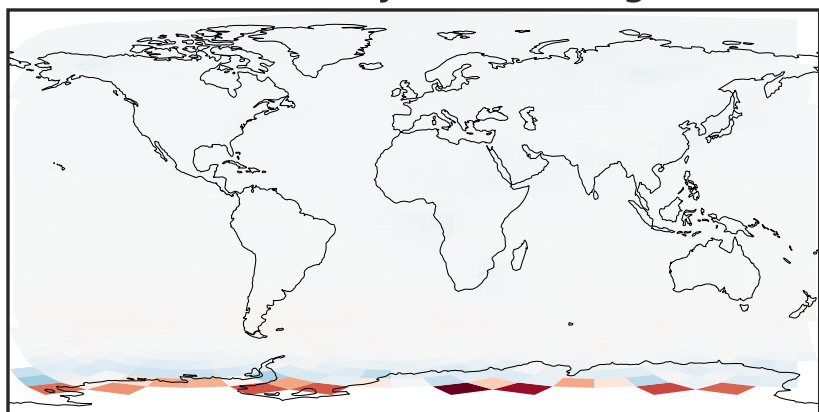
-0.00015 0.00000 0.00015
s-1

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



-8 0 8
s-1 1e-5

Ratio
Dev/Ref, Dynamic Range



0.9498 0.9749 1.0000 1.0264 1.0529
unitless

Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

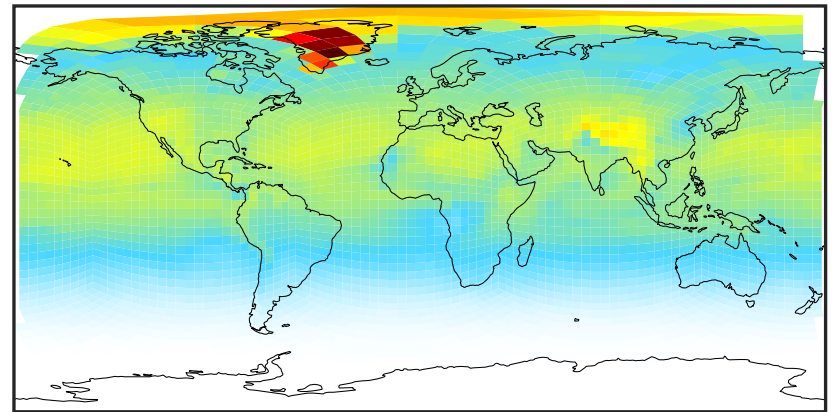
Jval_NPHEN (Jul2019)

GCHP_14.0.0 (Ref)
c24



Undefined throughout domain
s-1

GCHP_14.2.0 (Dev)
c24



0.0 0.8 1.6 2.4
s-1 1e-5

Difference
Dev - Ref, Dynamic Range



Undefined throughout domain
s-1

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



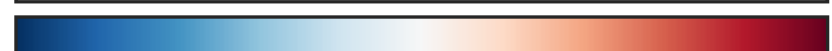
Undefined throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range



Undefined throughout domain
unitless

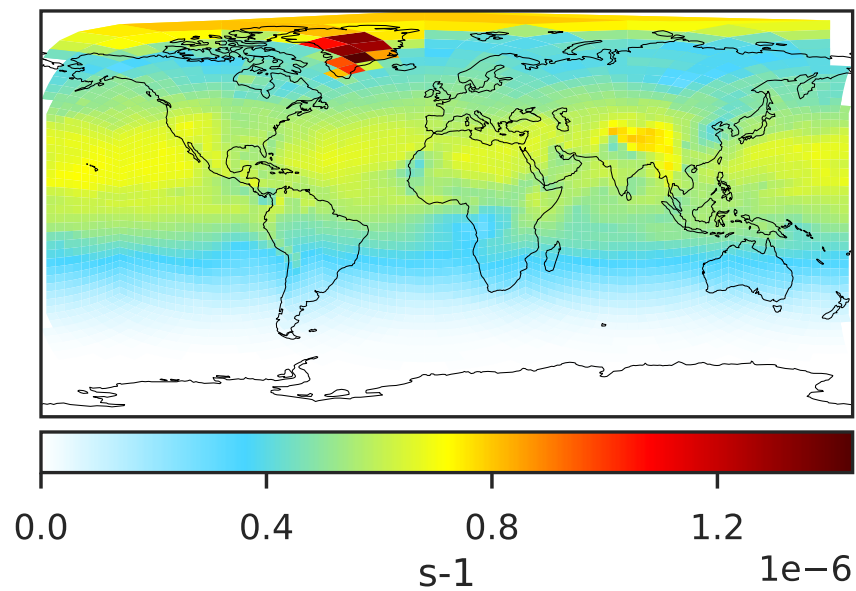
Ratio
Dev/Ref, Fixed Range



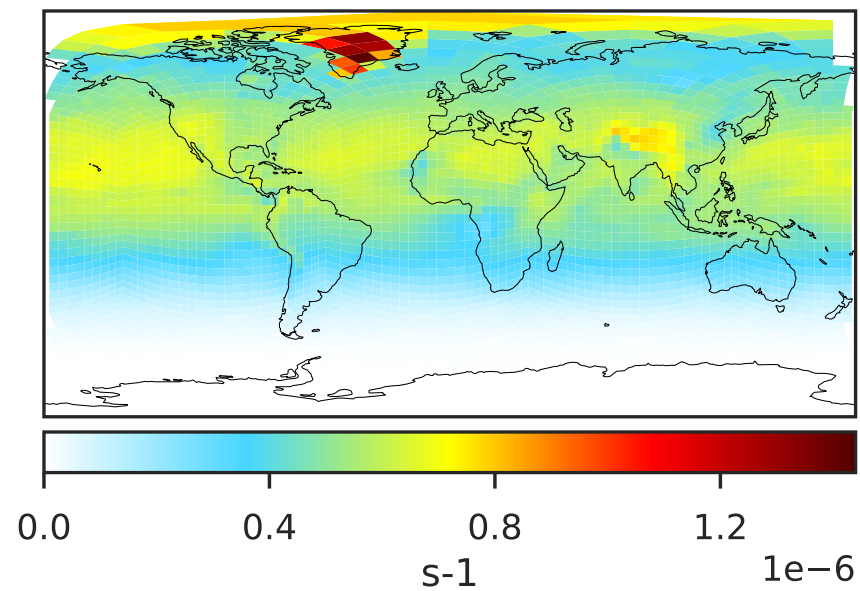
Undefined throughout domain
unitless

Jval_NPRNO3 (Jul2019)

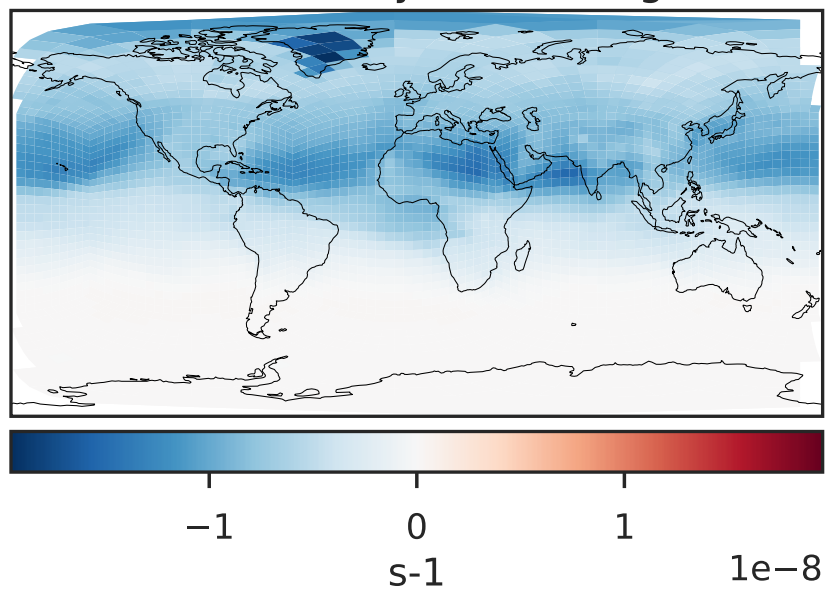
GCHP_14.0.0 (Ref)
c24



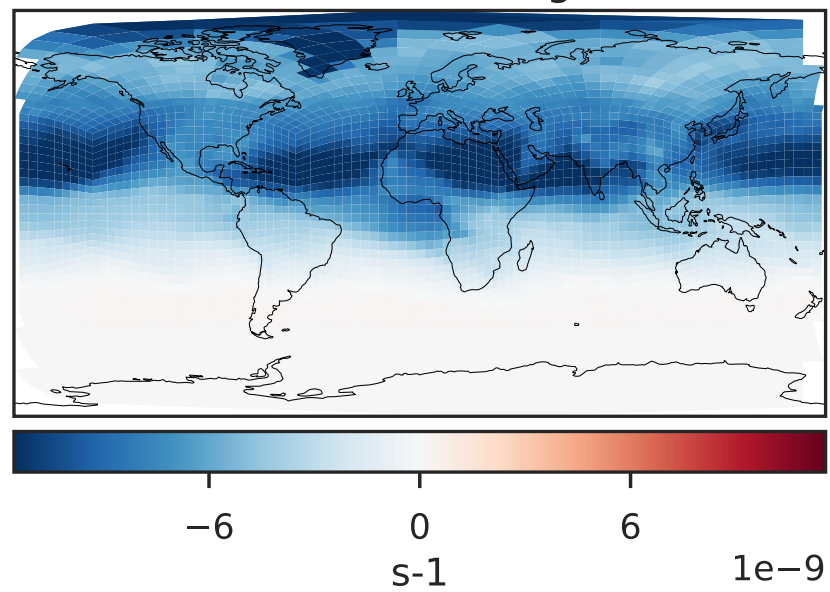
GCHP_14.2.0 (Dev)
c24



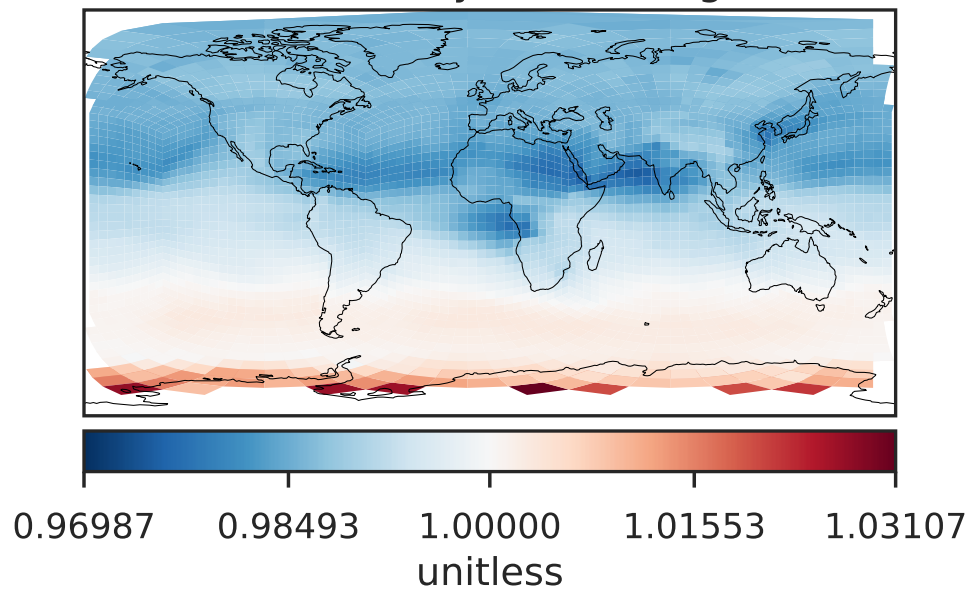
Difference
Dev - Ref, Dynamic Range



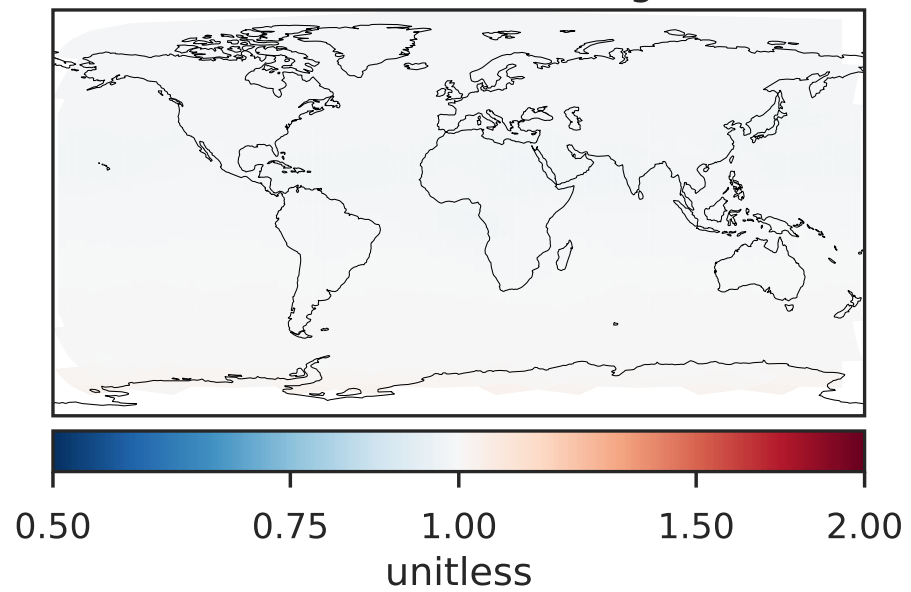
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

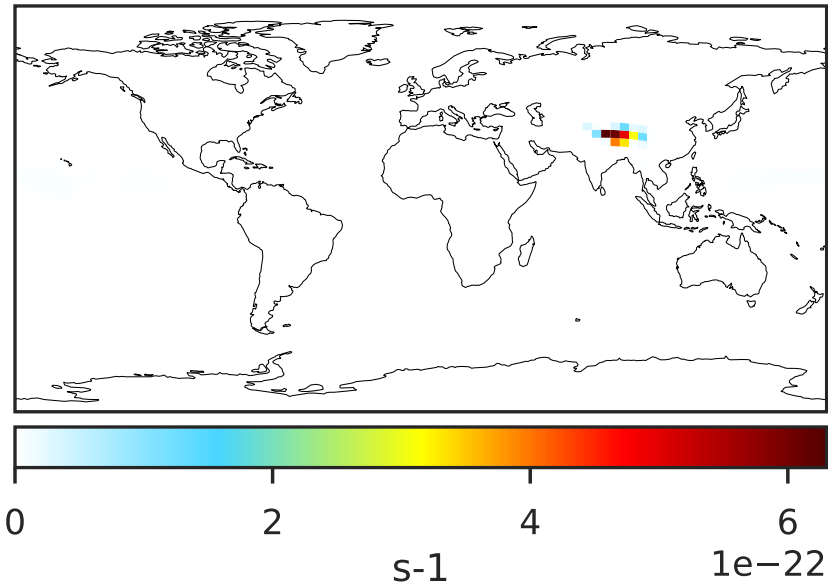


Ratio
Dev/Ref, Fixed Range

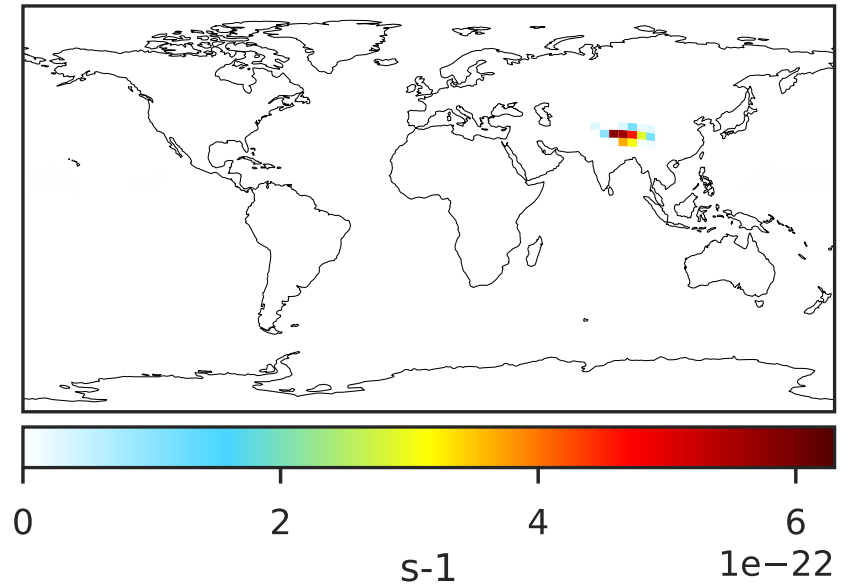


Jval_O2 (Jul2019)

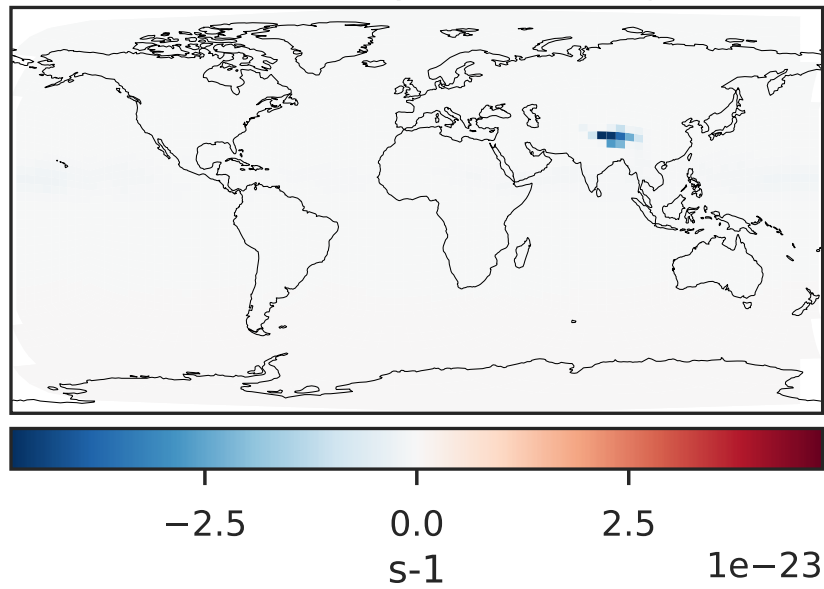
GCHP_14.0.0 (Ref)
c24



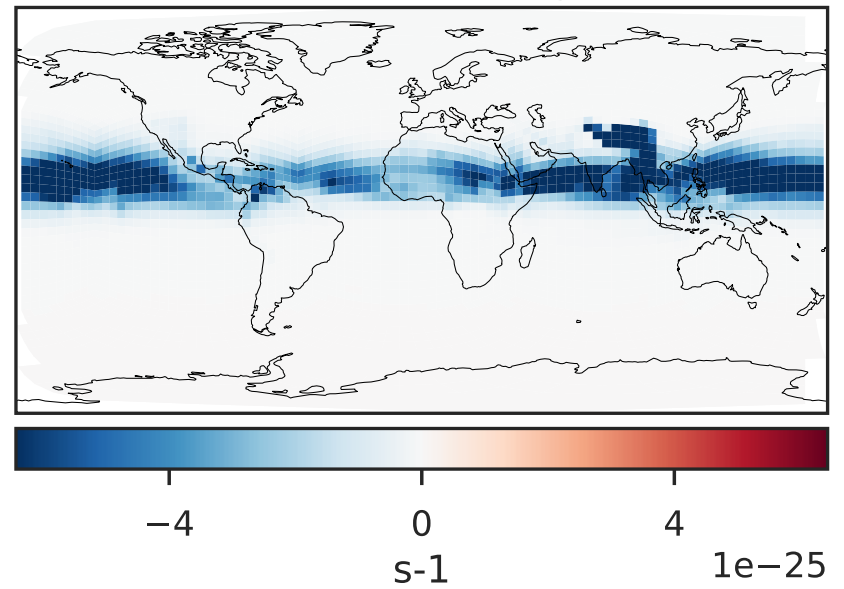
GCHP_14.2.0 (Dev)
c24



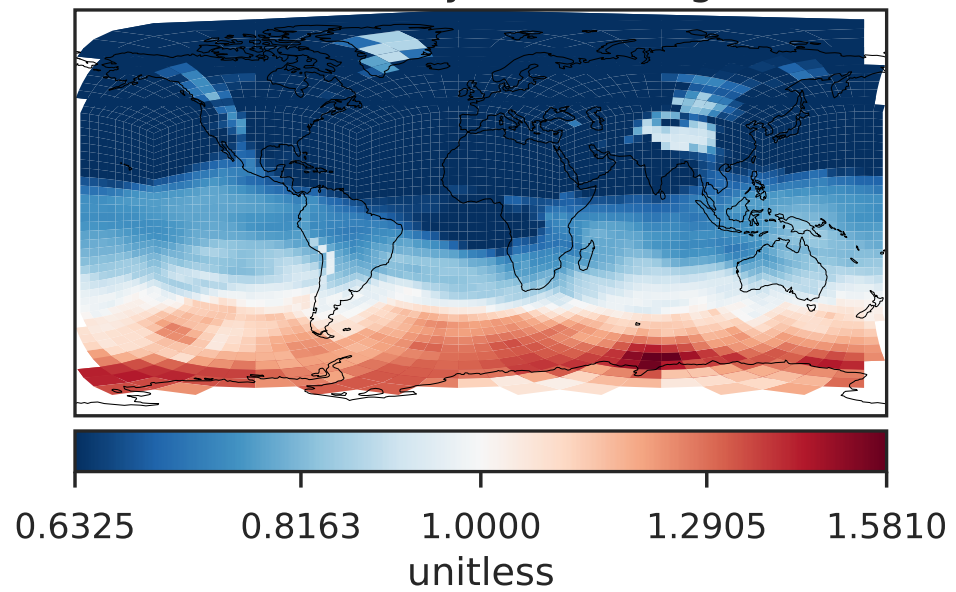
Difference
Dev - Ref, Dynamic Range



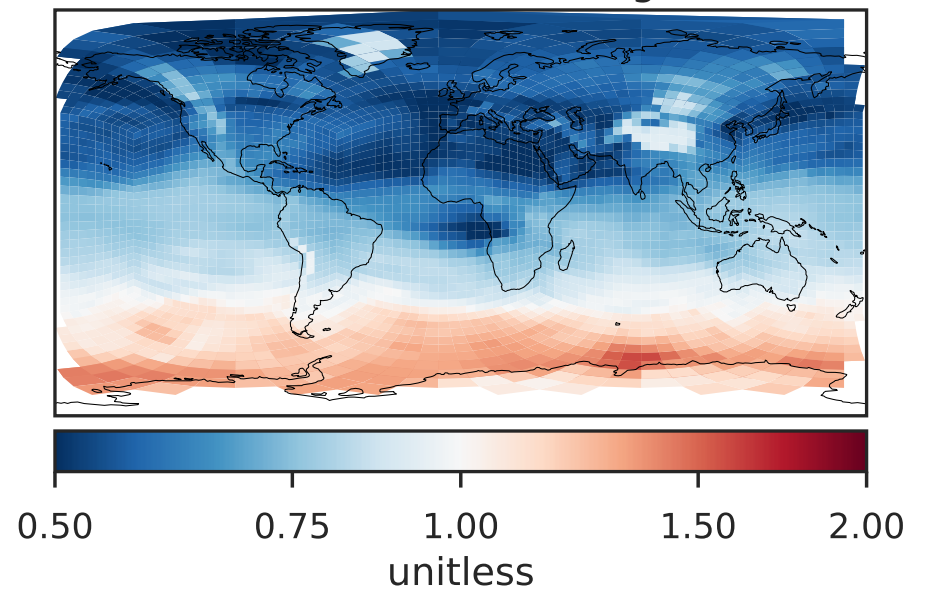
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

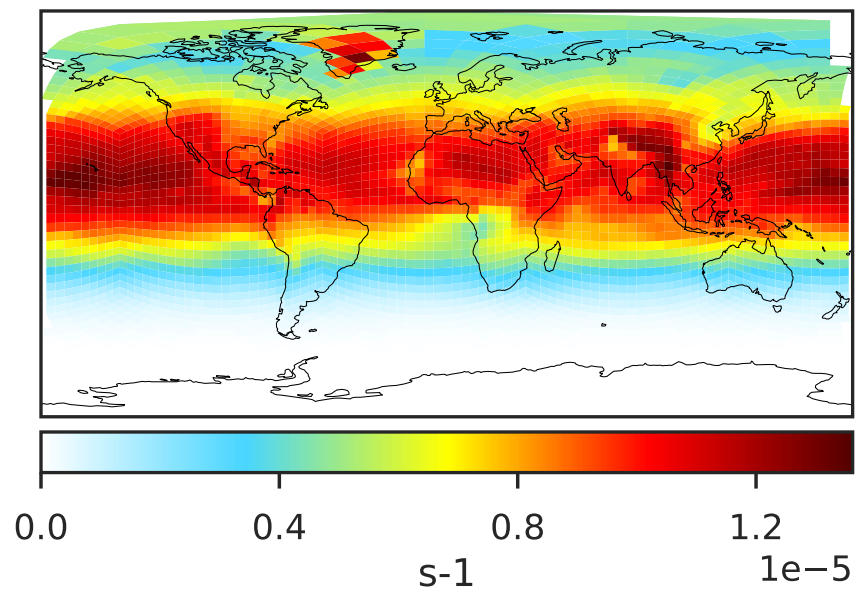


Ratio
Dev/Ref, Fixed Range

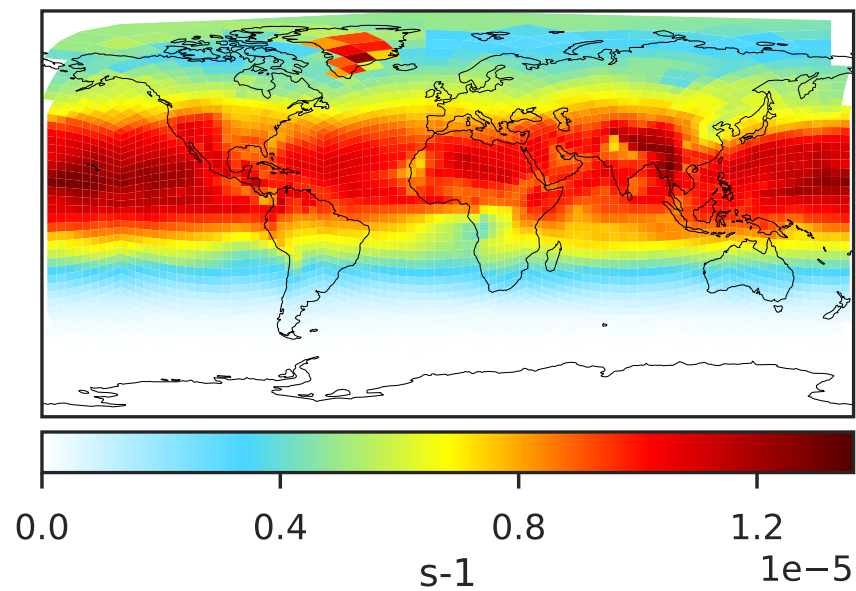


Jval_O3 (Jul2019)

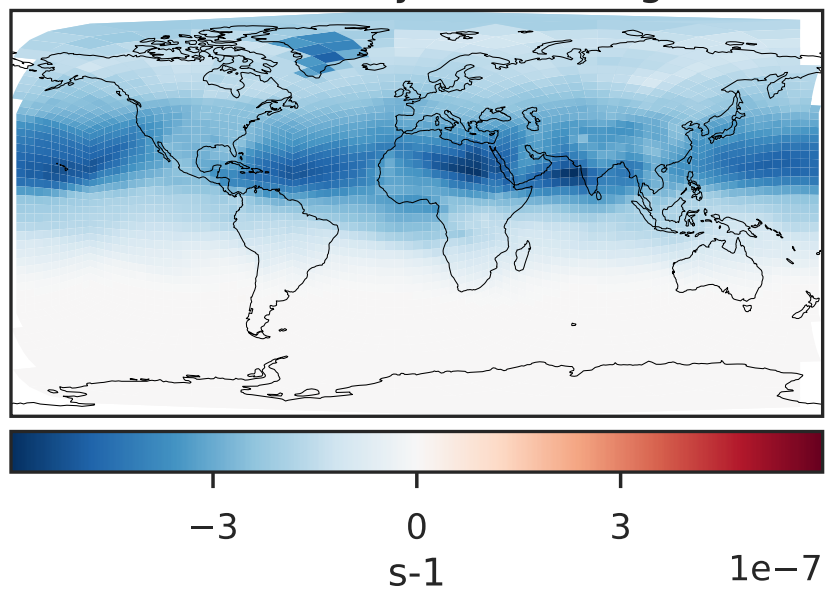
GCHP_14.0.0 (Ref)
c24



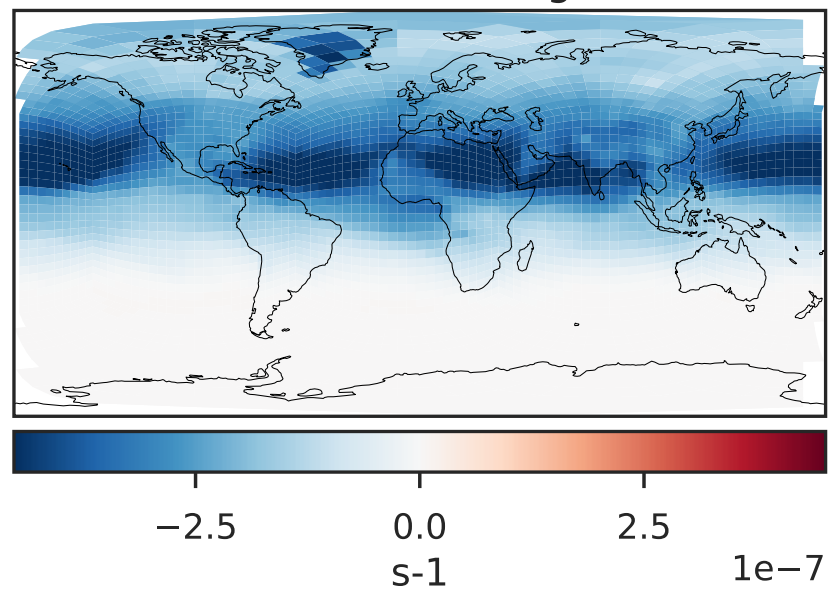
GCHP_14.2.0 (Dev)
c24



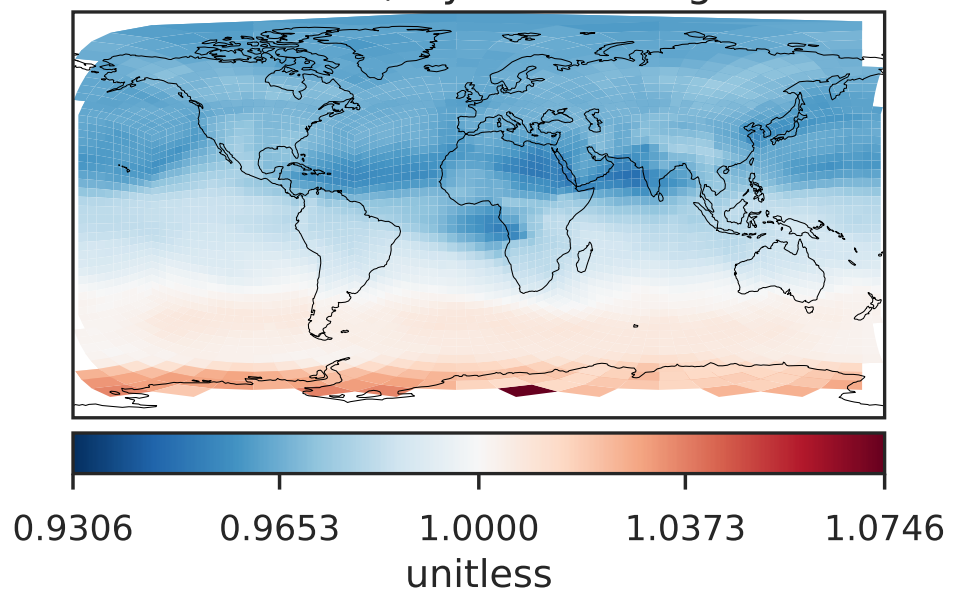
Difference
Dev - Ref, Dynamic Range



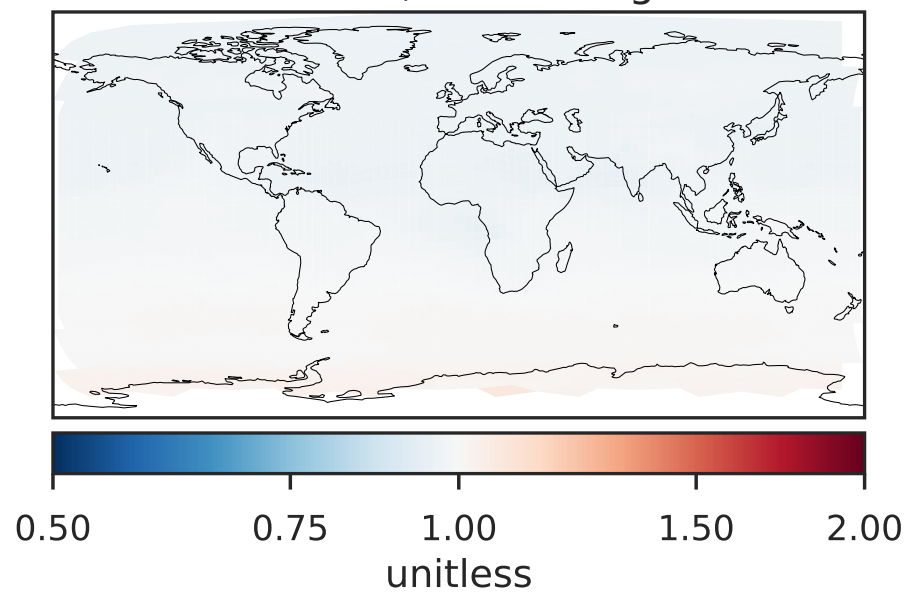
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

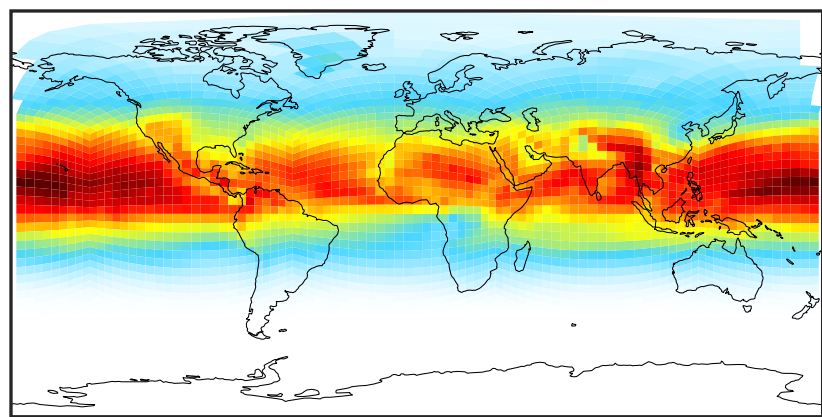


Ratio
Dev/Ref, Fixed Range



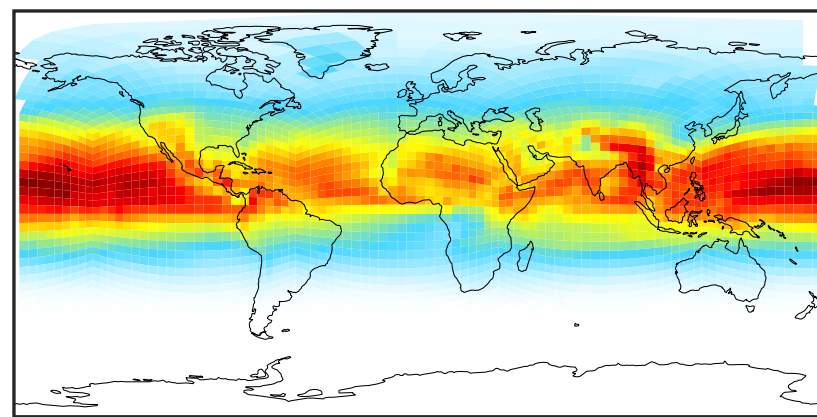
Jval_OCS (Jul2019)

GCHP_14.0.0 (Ref)
c24



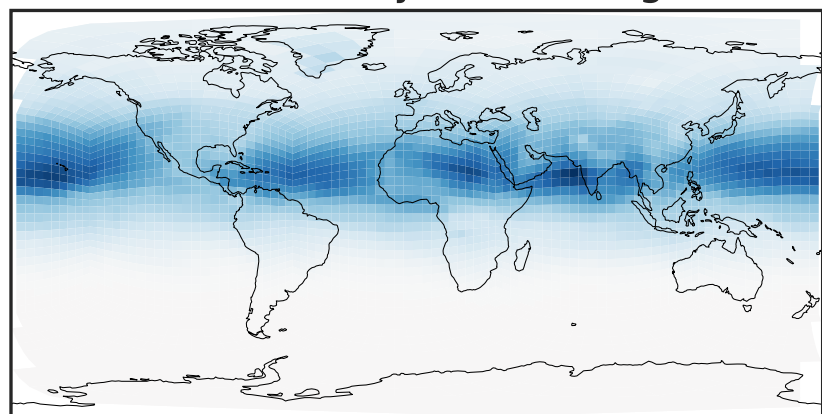
0.0 0.8 1.6 2.4
s-1 $1e-12$

GCHP_14.2.0 (Dev)
c24



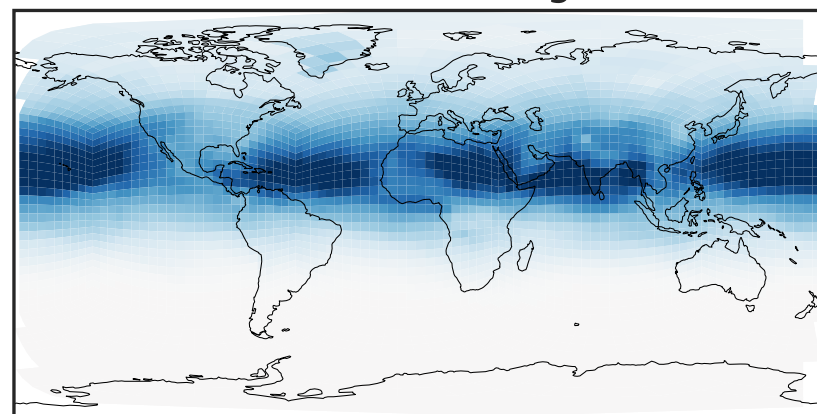
0.0 0.8 1.6 2.4
s-1 $1e-12$

Difference
Dev - Ref, Dynamic Range



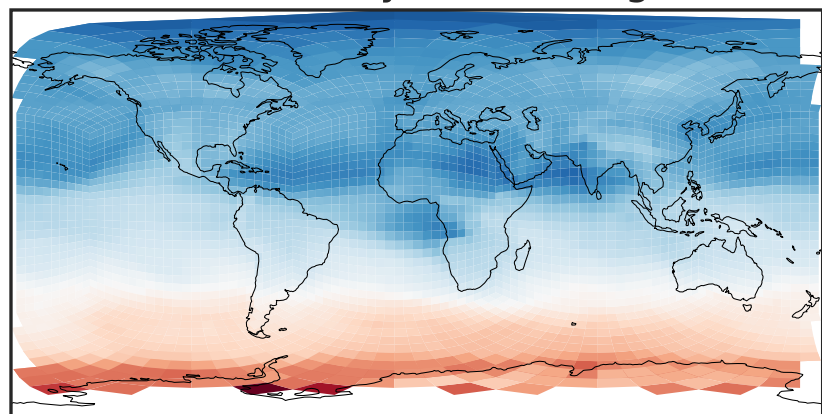
-1.5 0.0 1.5
s-1 $1e-13$

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



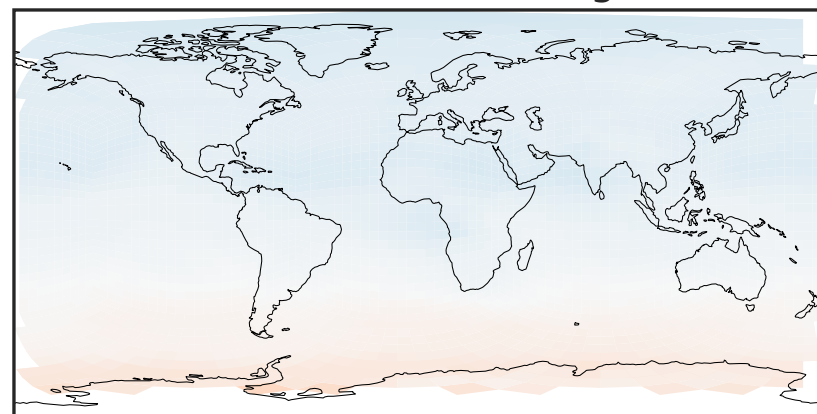
-8 0 8
s-1 $1e-14$

Ratio
Dev/Ref, Dynamic Range



0.8662 0.9331 1.0000 1.0772 1.1545
unitless

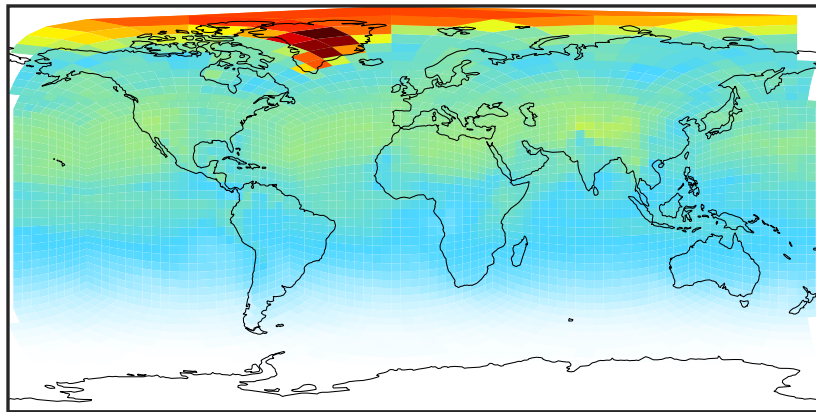
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

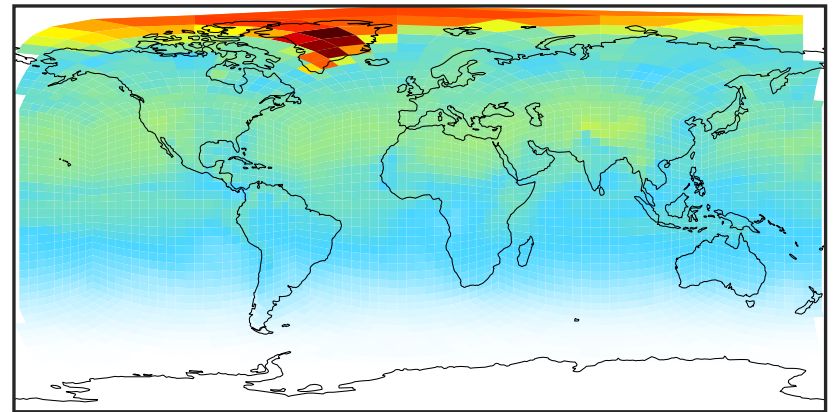
Jval_OCIO (Jul2019)

GCHP_14.0.0 (Ref)
c24



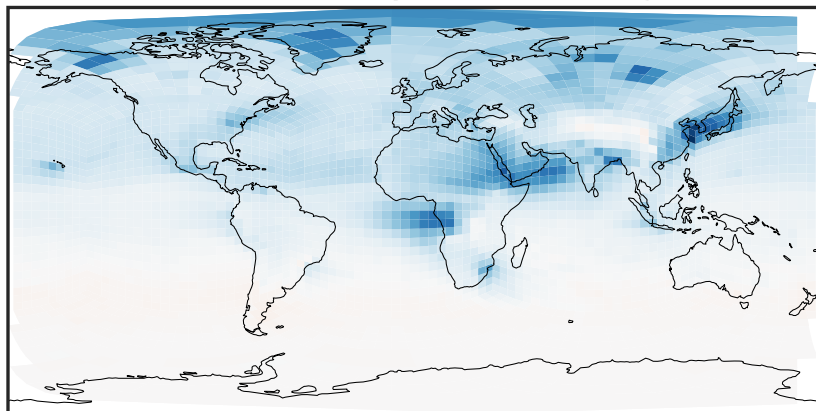
0.000 0.025 0.050 0.075
s-1

GCHP_14.2.0 (Dev)
c24



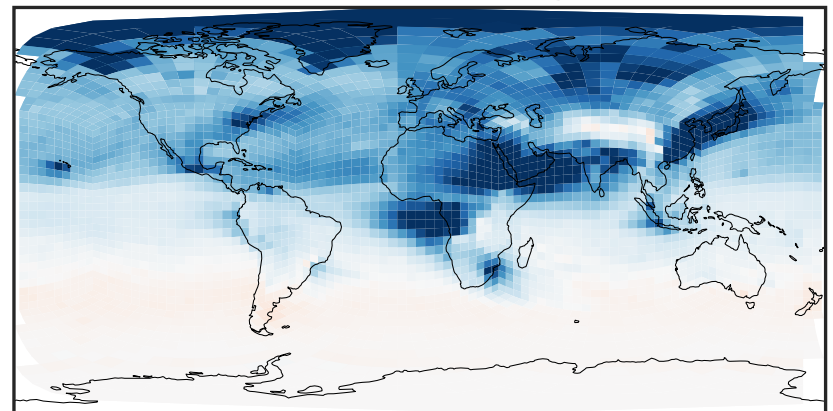
0.000 0.025 0.050 0.075
s-1

Difference
Dev - Ref, Dynamic Range



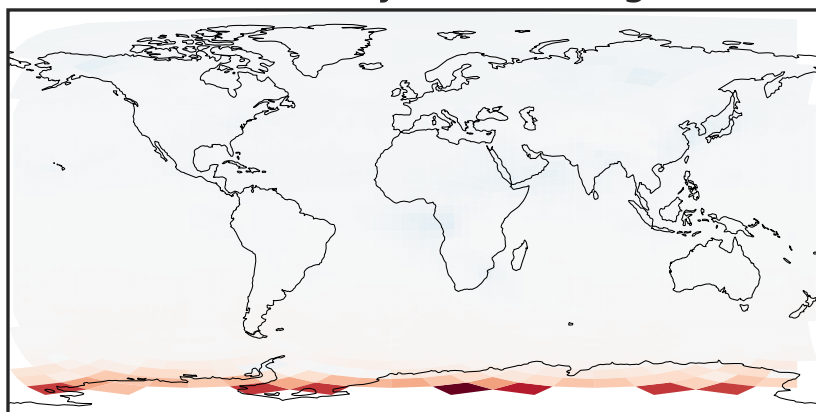
-8 0 8
s-1 1e-5

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



-3 0 3
s-1 1e-5

Ratio
Dev/Ref, Dynamic Range



0.9498 0.9749 1.000 1.0264 1.0528
unitless

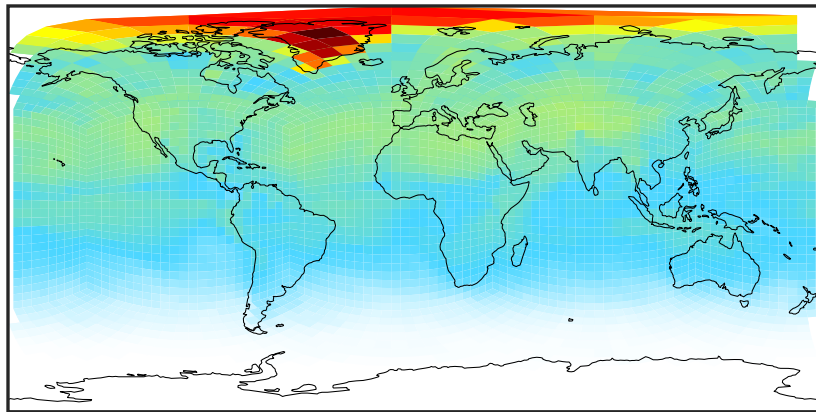
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

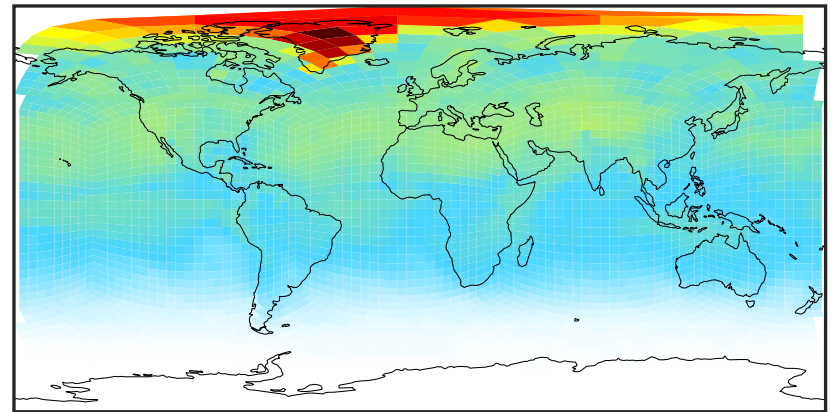
Jval_OIO (Jul2019)

GCHP_14.0.0 (Ref)
c24



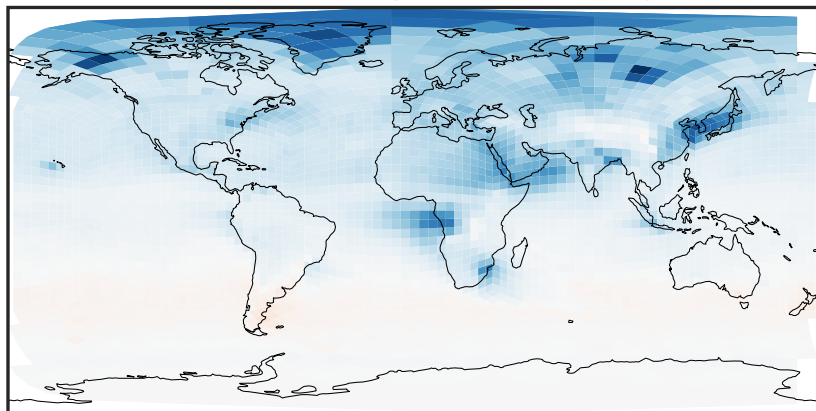
0.0000 0.0743 0.1486 0.2229 0.2972
s-1

GCHP_14.2.0 (Dev)
c24



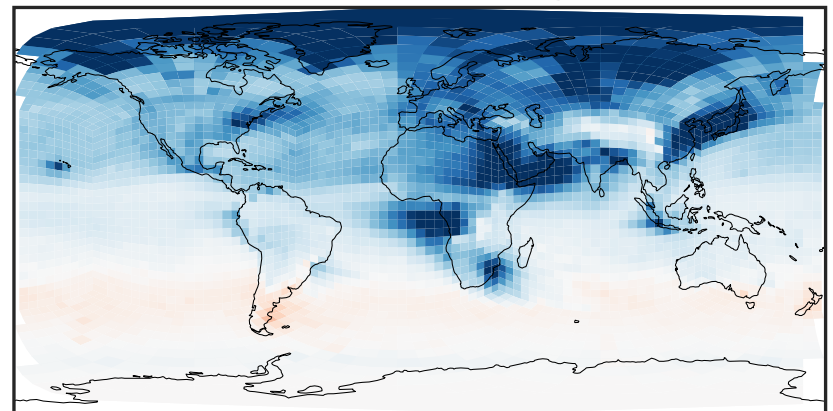
0.0000 0.0743 0.1486 0.2229 0.2972
s-1

Difference
Dev - Ref, Dynamic Range



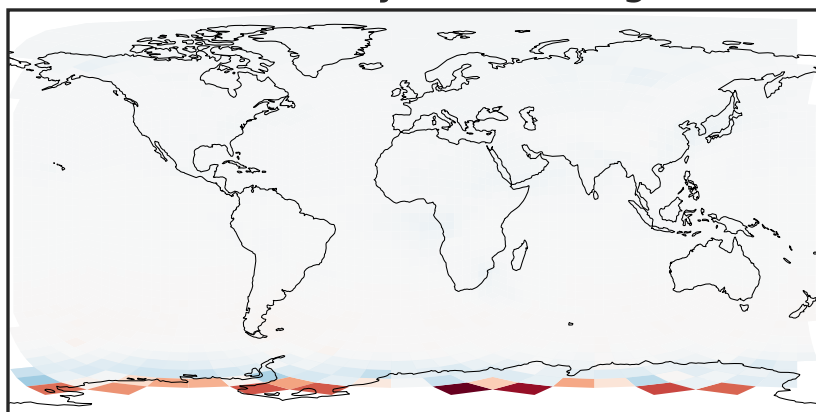
-0.0002 0.0000 0.0002
s-1

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



-8 0 8
s-1 1e-5

Ratio
Dev/Ref, Dynamic Range



0.9498 0.9749 1.0000 1.0264 1.0529
unitless

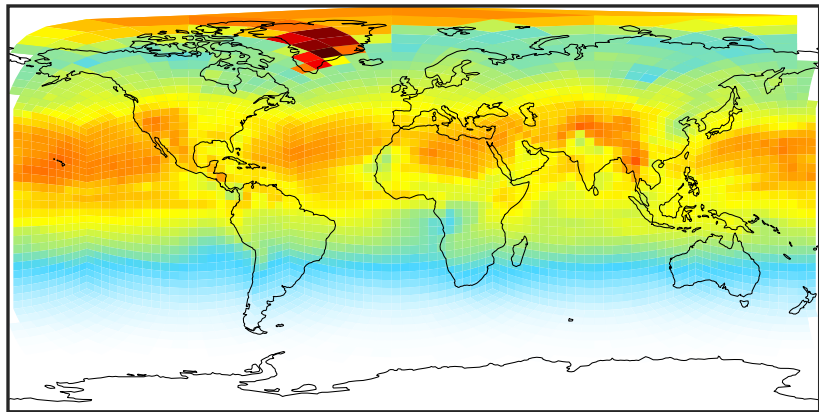
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

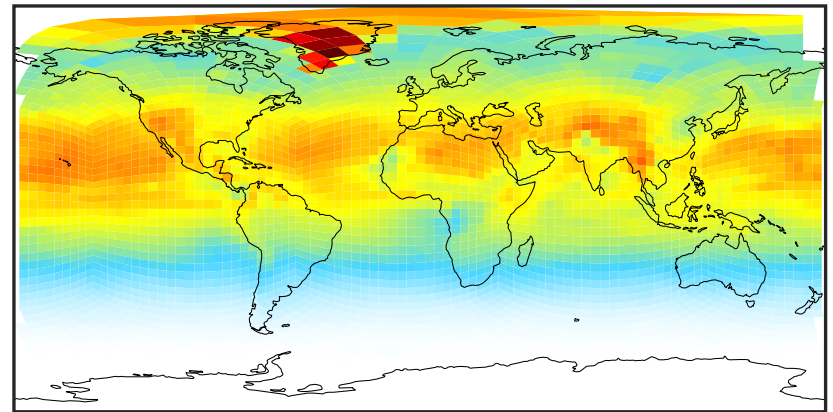
Jval_PAN (Jul2019)

GCHP_14.0.0 (Ref)
c24



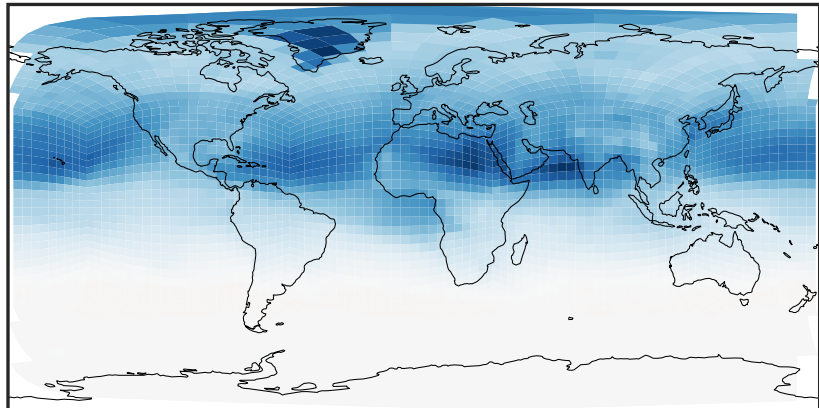
0.0 1.5 3.0 4.5
s-1 $1e-7$

GCHP_14.2.0 (Dev)
c24



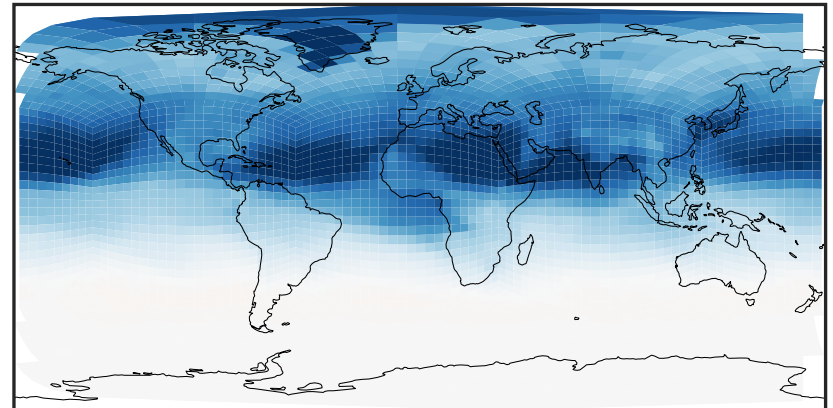
0.0 1.5 3.0 4.5
s-1 $1e-7$

Difference
Dev - Ref, Dynamic Range



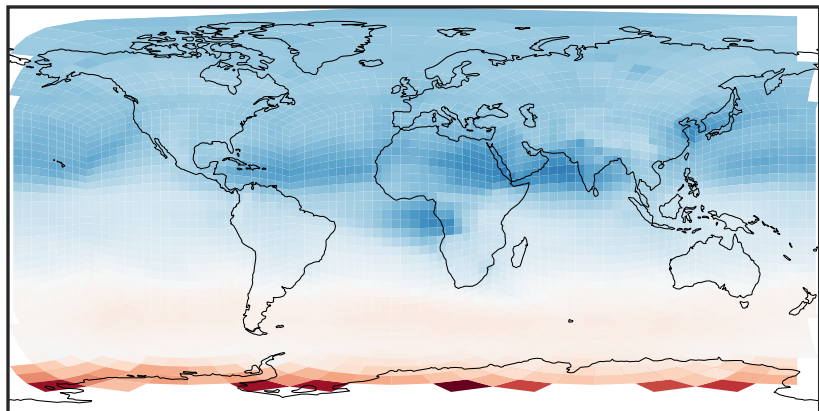
-3 0 3
s-1 $1e-9$

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



-2.5 0.0 2.5
s-1 $1e-9$

Ratio
Dev/Ref, Dynamic Range



0.96871 0.98436 1.00000 1.01615 1.03230
unitless

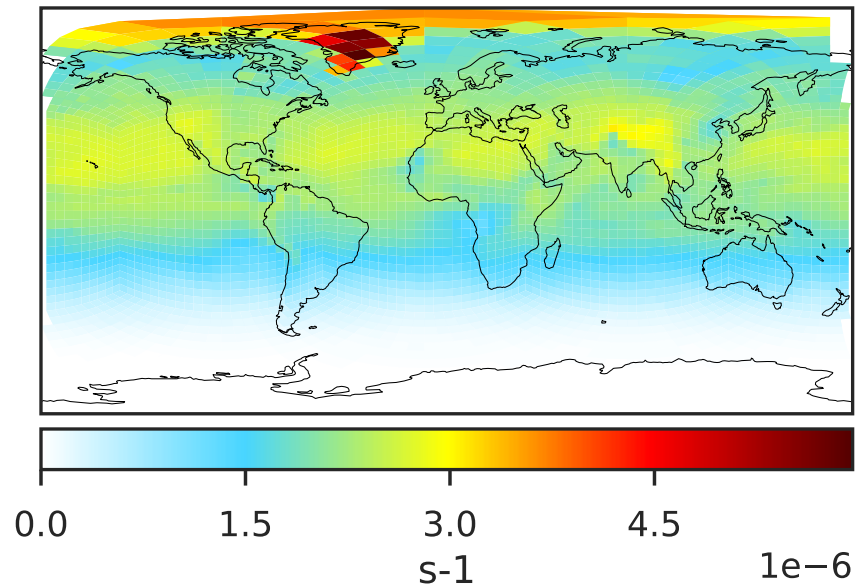
Ratio
Dev/Ref, Fixed Range



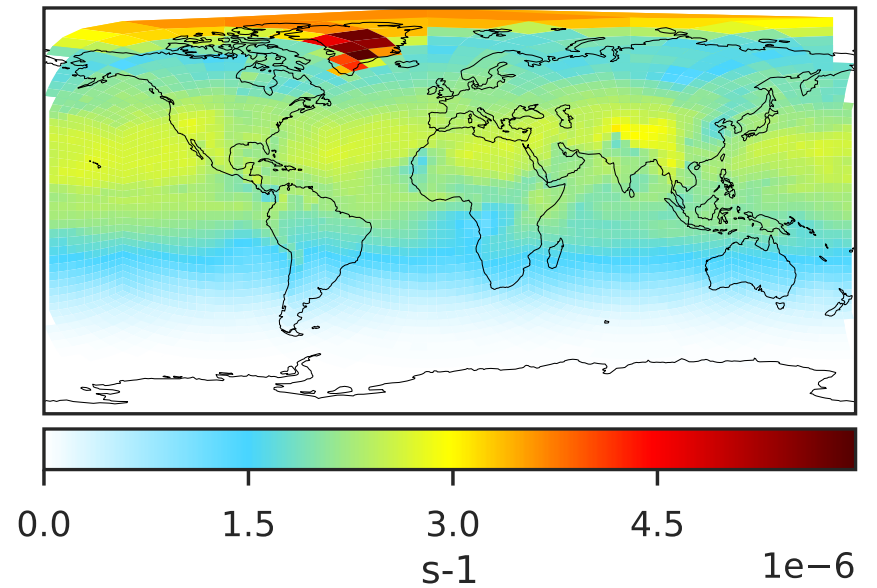
0.50 0.75 1.00 1.50 2.00
unitless

Jval_PIP (Jul2019)

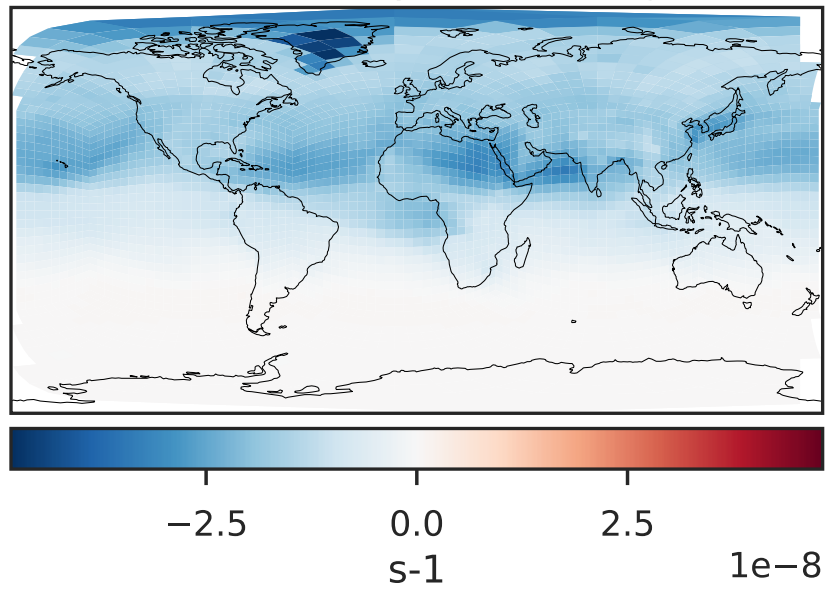
GCHP_14.0.0 (Ref)
c24



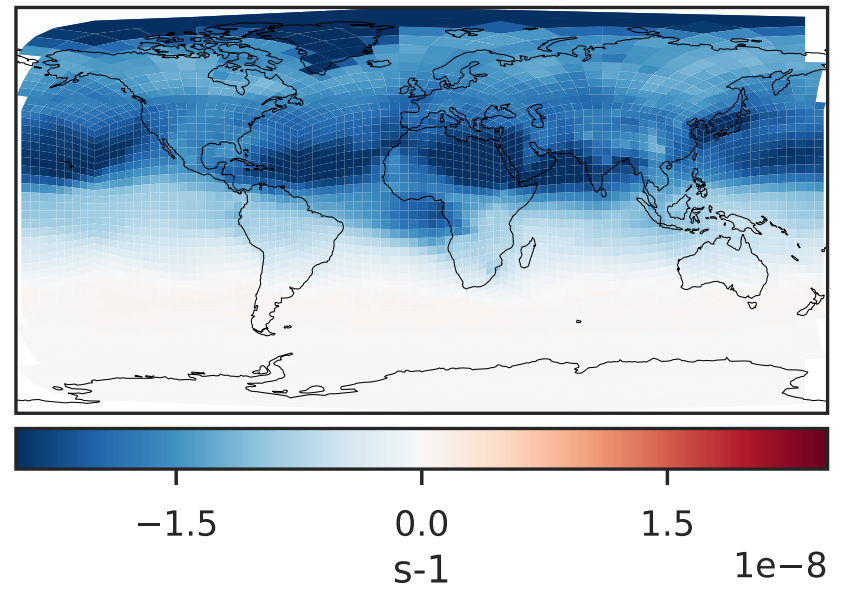
GCHP_14.2.0 (Dev)
c24



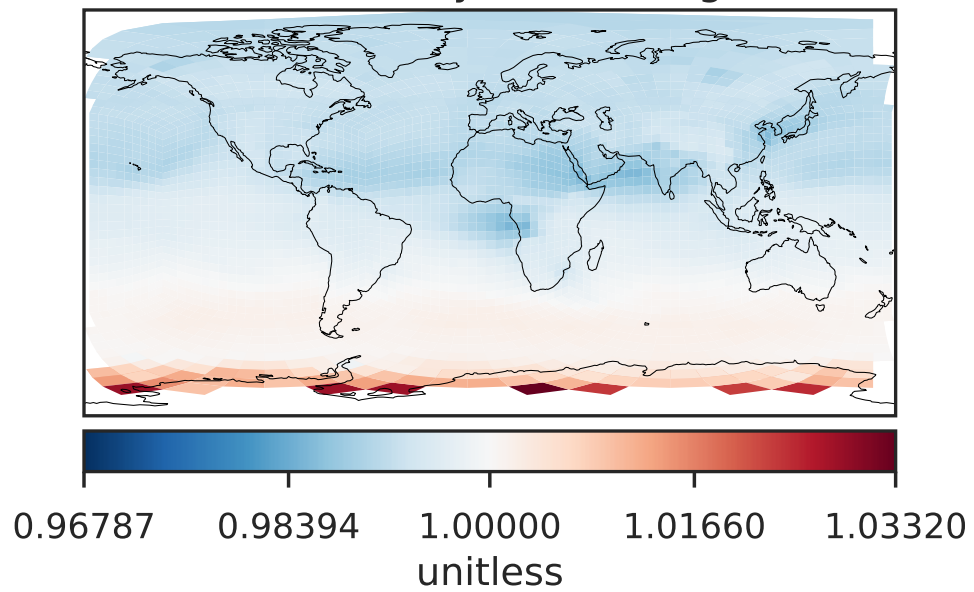
Difference
Dev - Ref, Dynamic Range



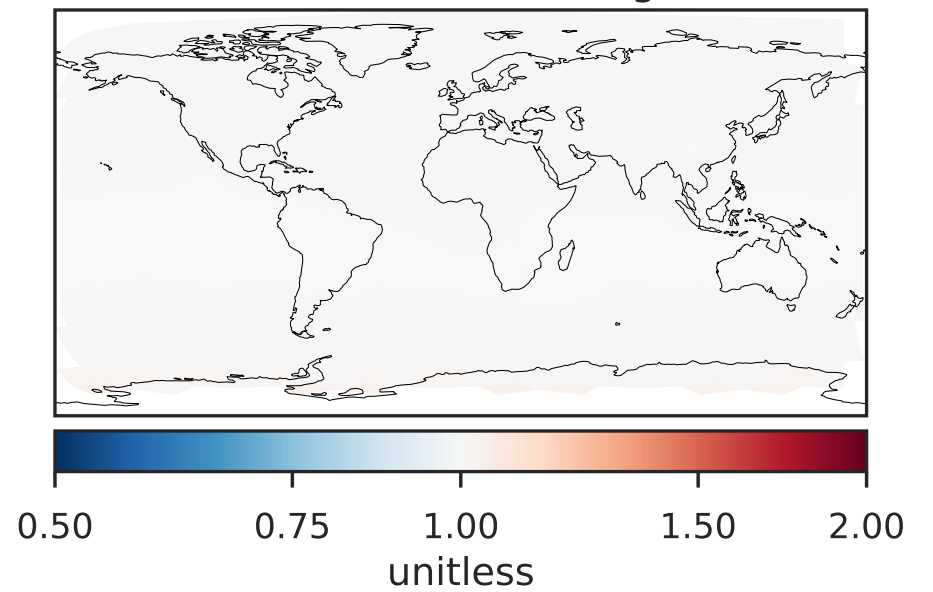
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

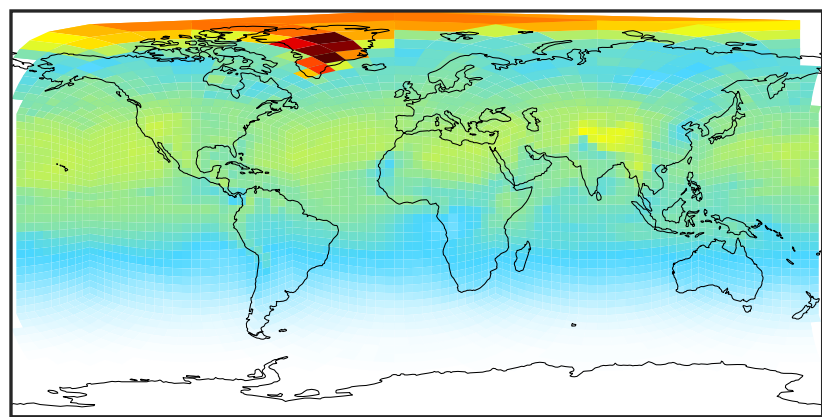


Ratio
Dev/Ref, Fixed Range



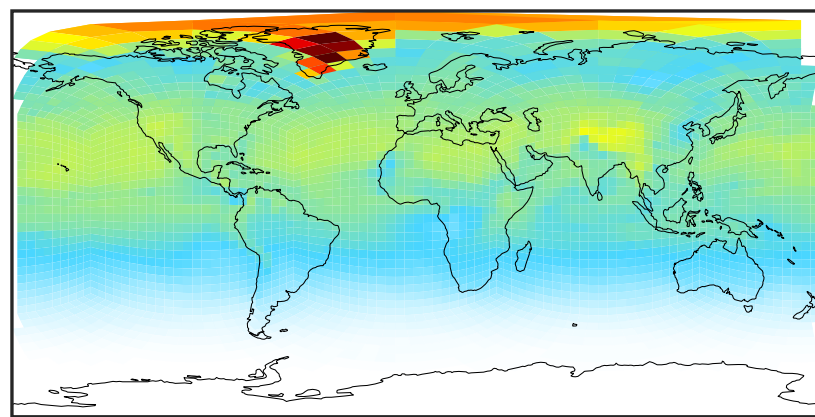
Jval_PP (Jul2019)

GCHP_14.0.0 (Ref)
c24



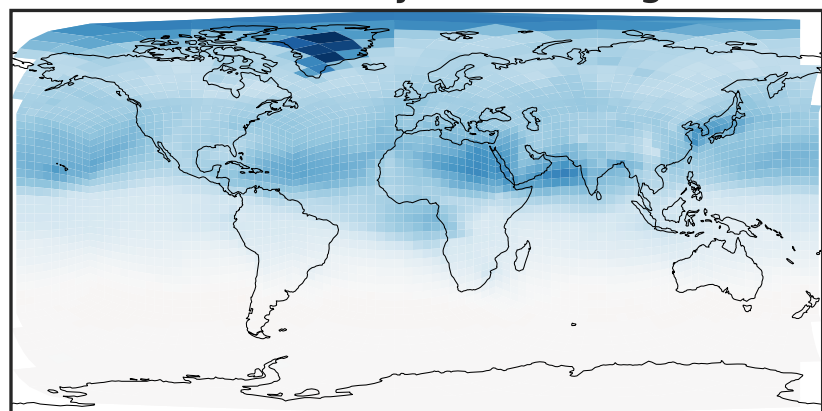
0.0 1.5 3.0 4.5
s-1 $1e-6$

GCHP_14.2.0 (Dev)
c24



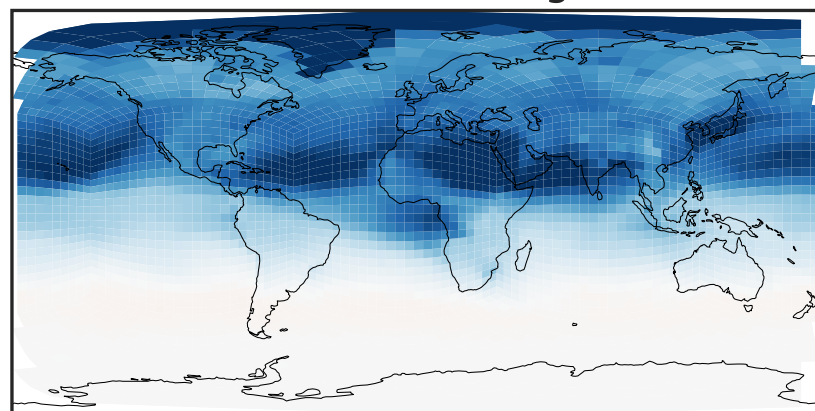
0.0 1.5 3.0 4.5
s-1 $1e-6$

Difference
Dev - Ref, Dynamic Range



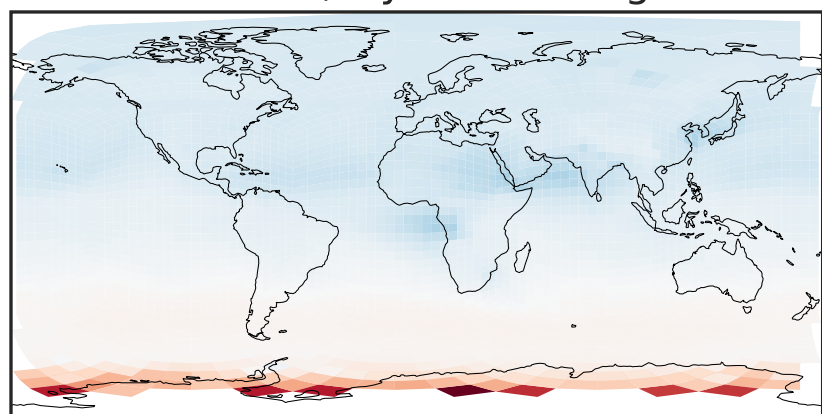
-2 0 2
s-1 $1e-8$

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



-8 0 8
s-1 $1e-9$

Ratio
Dev/Ref, Dynamic Range



0.96158 0.98079 1.00000 1.01998 1.03996
unitless

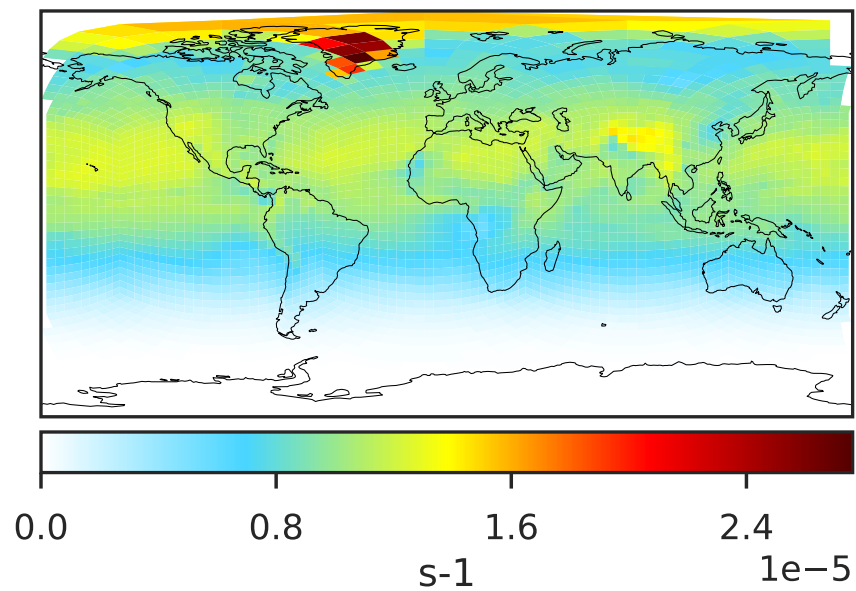
Ratio
Dev/Ref, Fixed Range



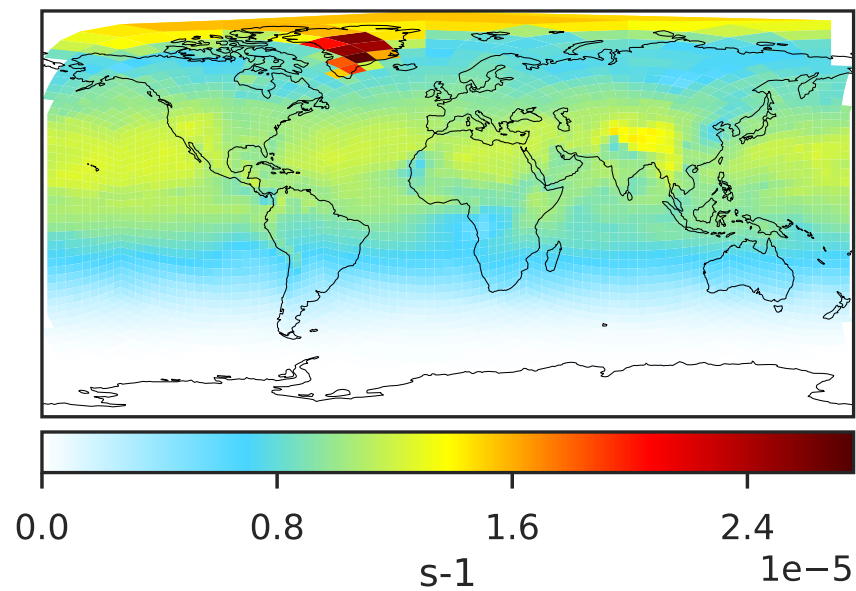
0.50 0.75 1.00 1.50 2.00
unitless

Jval_PROPNN (Jul2019)

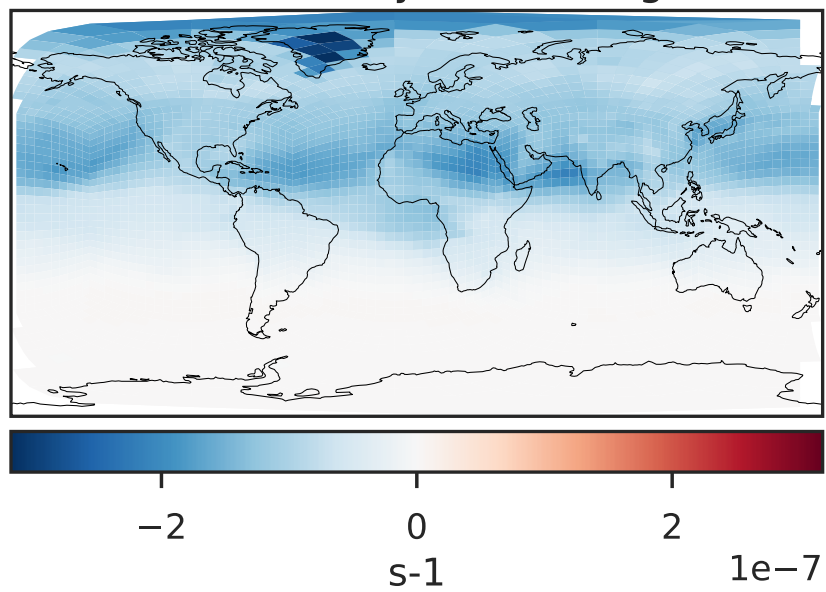
GCHP_14.0.0 (Ref)
c24



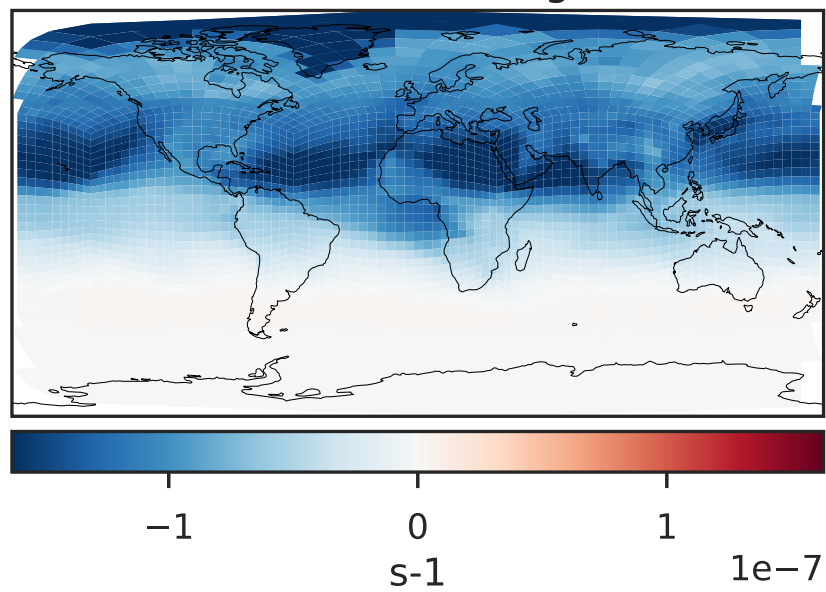
GCHP_14.2.0 (Dev)
c24



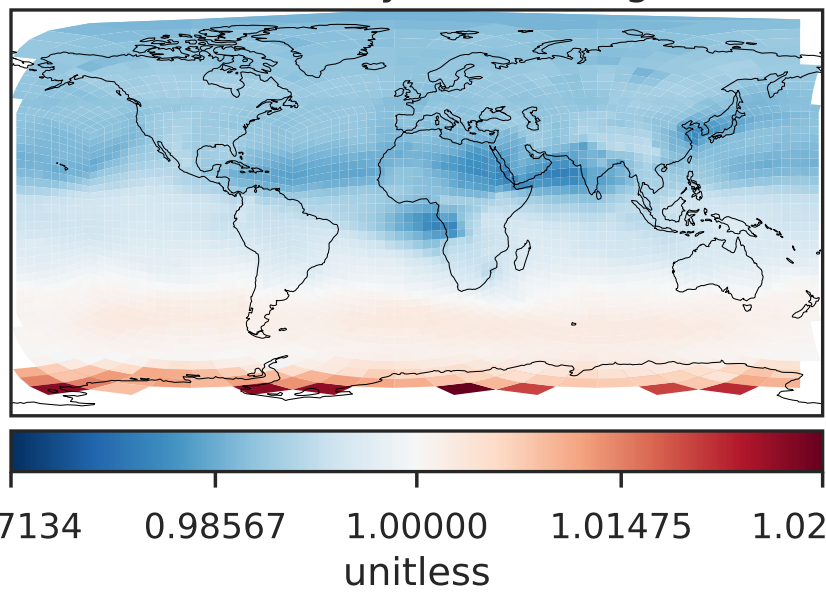
Difference
Dev - Ref, Dynamic Range



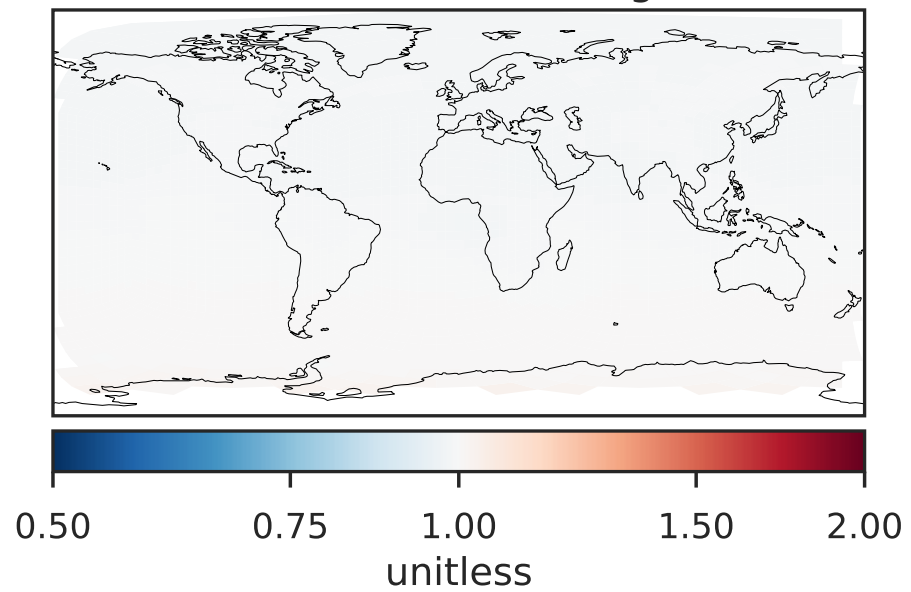
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

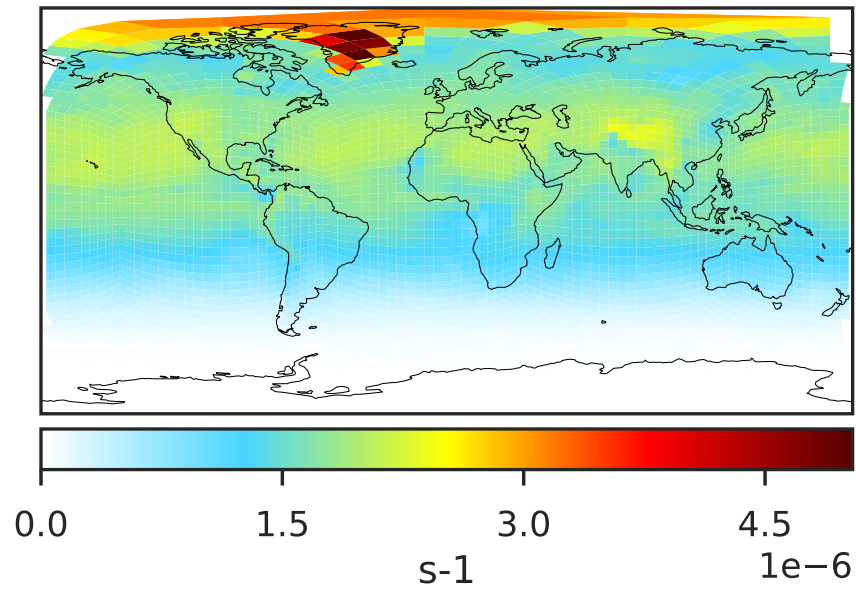


Ratio
Dev/Ref, Fixed Range

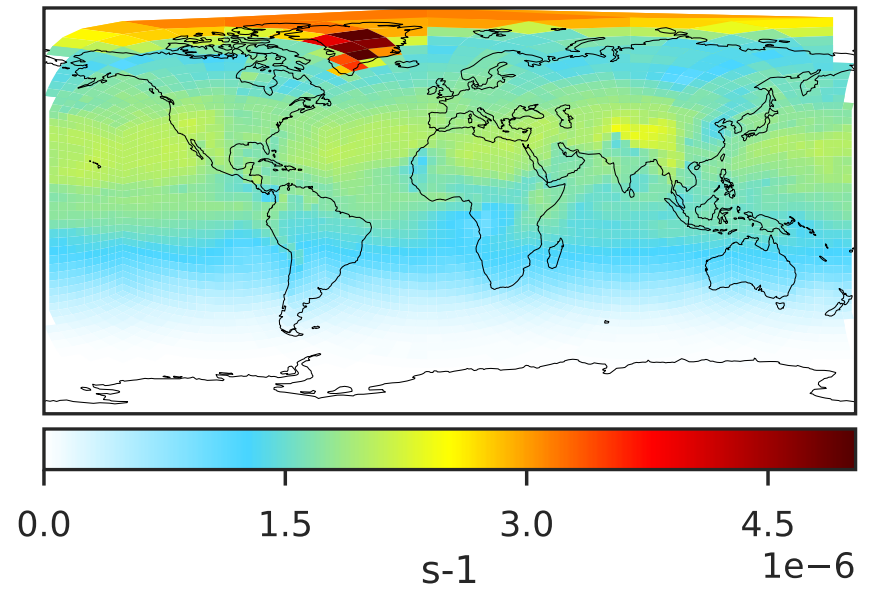


Jval_PRPN (Jul2019)

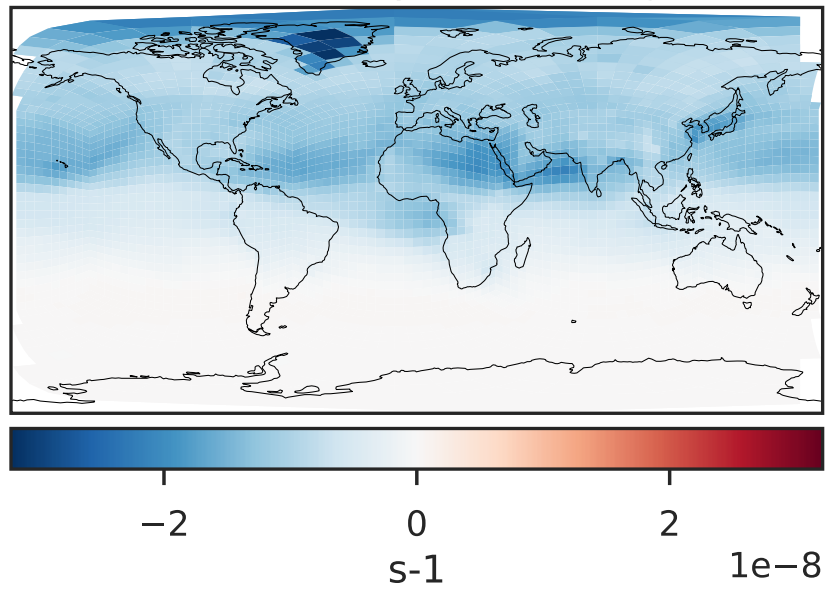
GCHP_14.0.0 (Ref)
c24



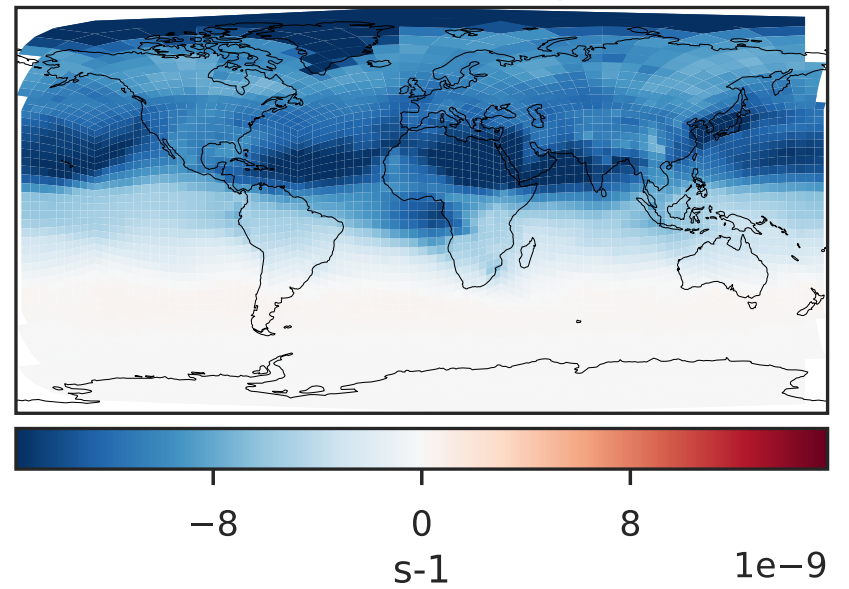
GCHP_14.2.0 (Dev)
c24



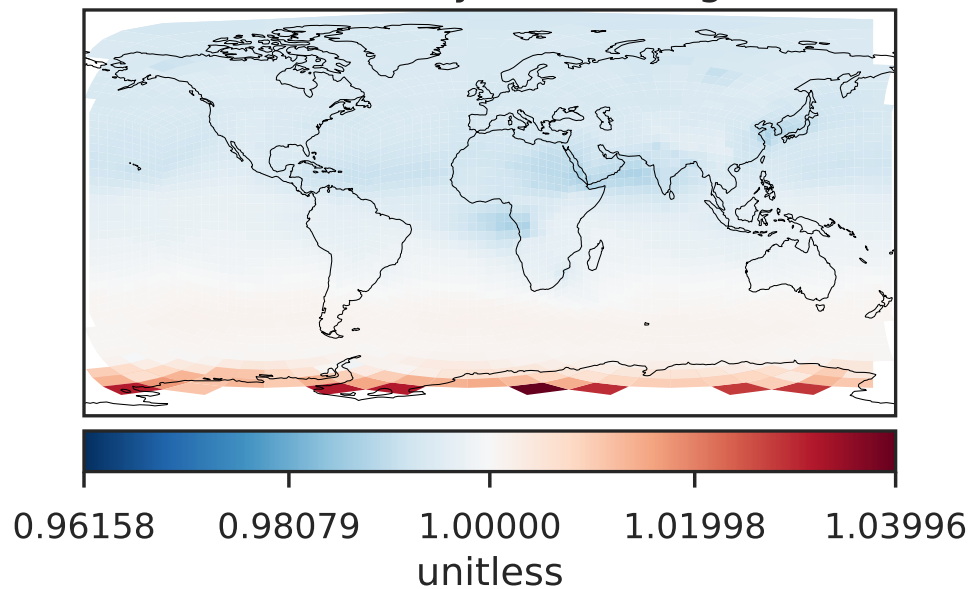
Difference
Dev - Ref, Dynamic Range



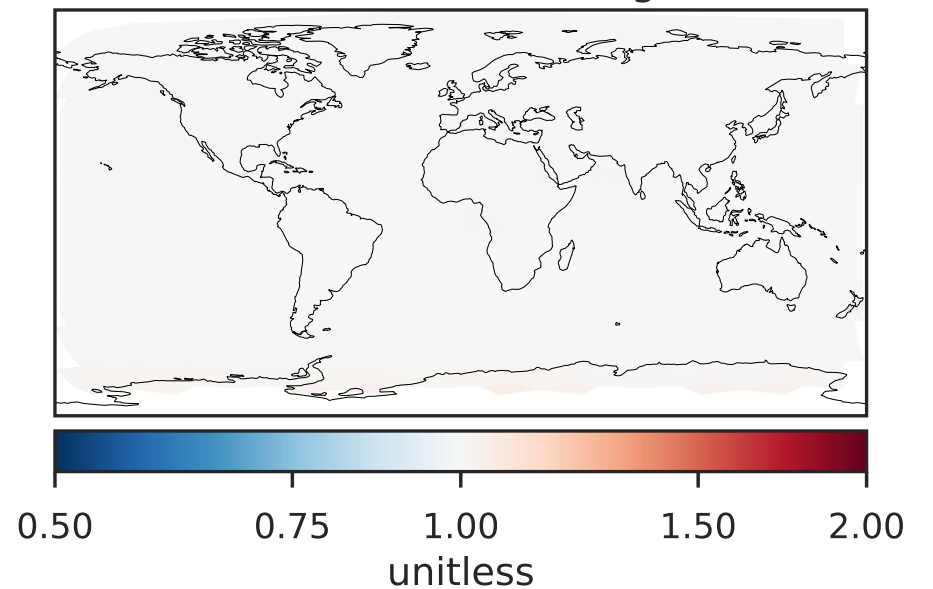
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

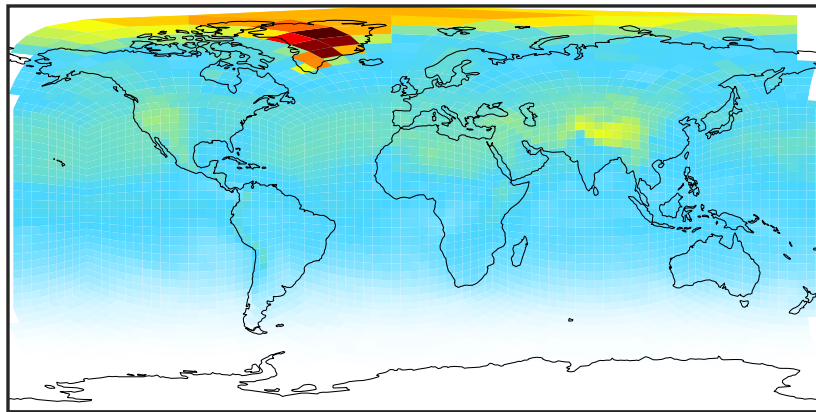


Ratio
Dev/Ref, Fixed Range



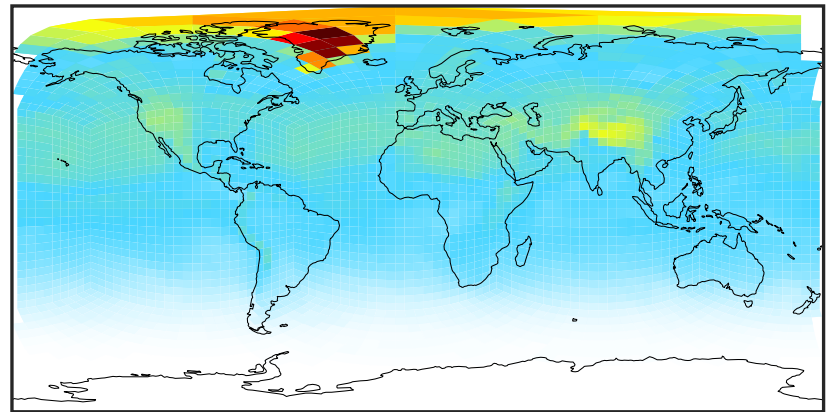
Jval_PYAC (Jul2019)

GCHP_14.0.0 (Ref)
c24



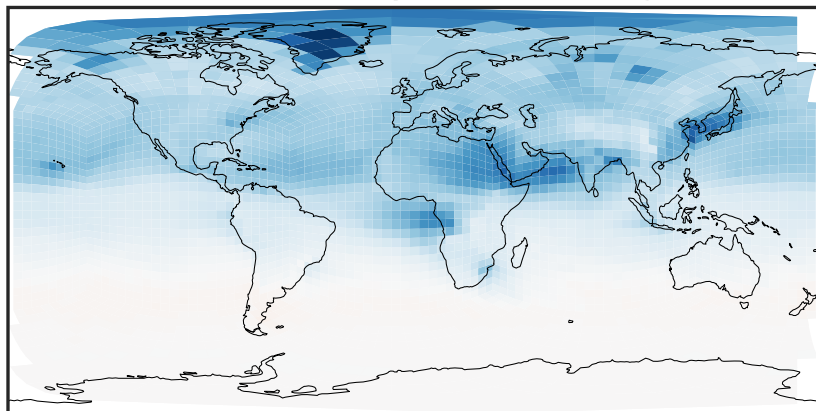
0.00000 0.00006 0.00012 0.00018
s-1

GCHP_14.2.0 (Dev)
c24



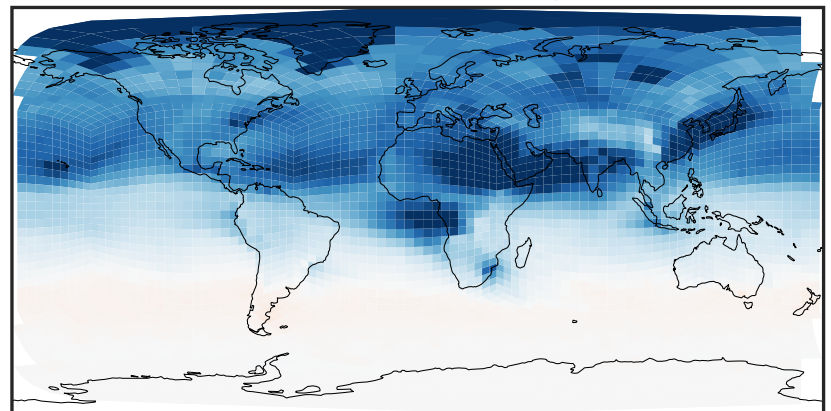
0.00000 0.00006 0.00012 0.00018
s-1

Difference
Dev - Ref, Dynamic Range



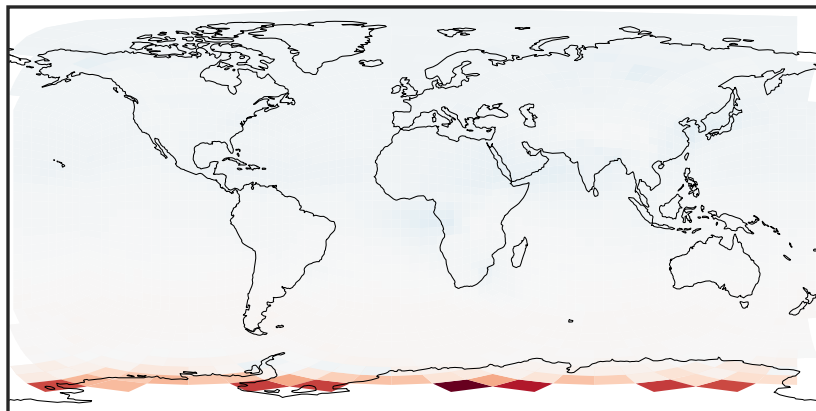
-2 0 2
s-1 1e-7

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



-1 0 1
s-1 1e-7

Ratio
Dev/Ref, Dynamic Range



0.9492 0.9746 1.0000 1.0268 1.0535
unitless

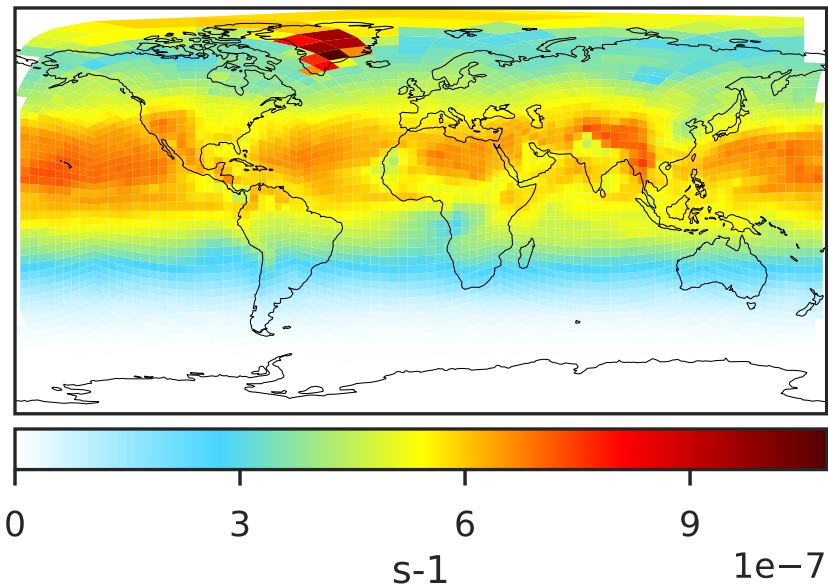
Ratio
Dev/Ref, Fixed Range



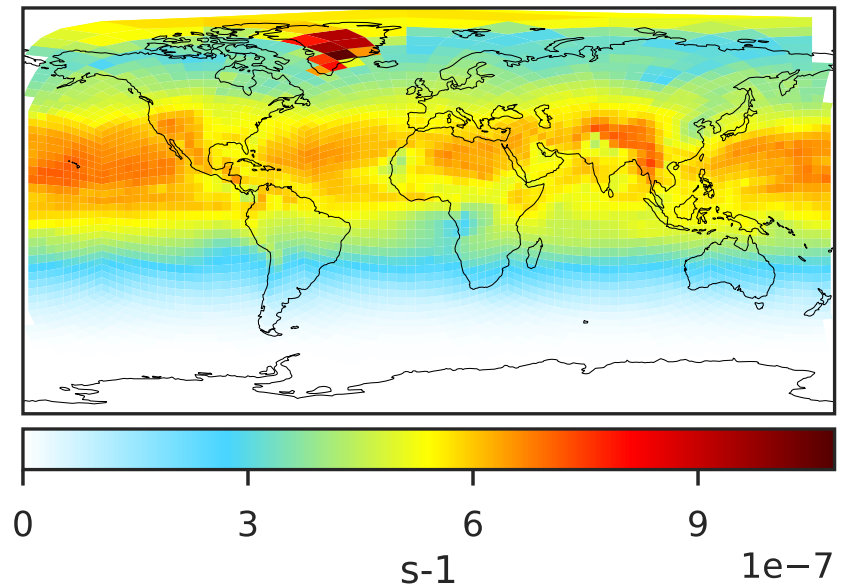
0.50 0.75 1.00 1.50 2.00
unitless

Jval_R4N2 (Jul2019)

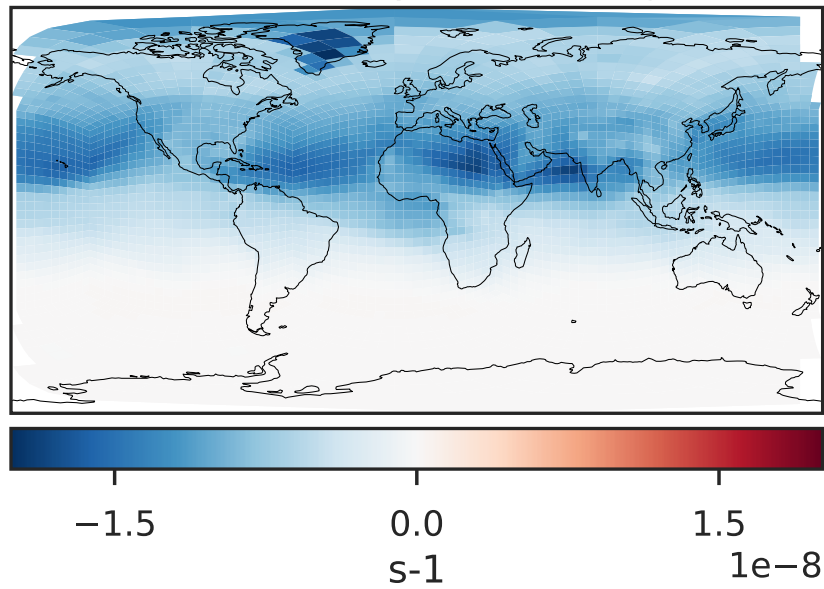
GCHP_14.0.0 (Ref)
c24



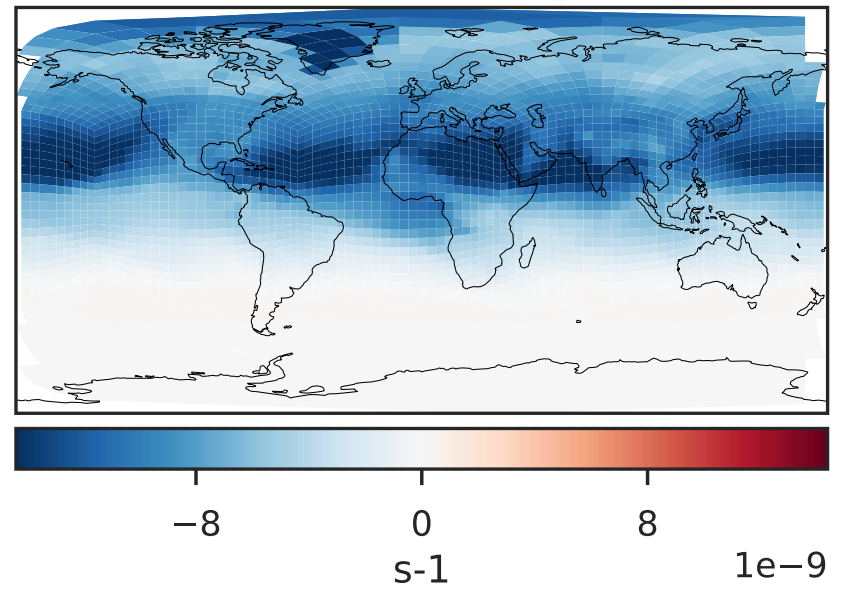
GCHP_14.2.0 (Dev)
c24



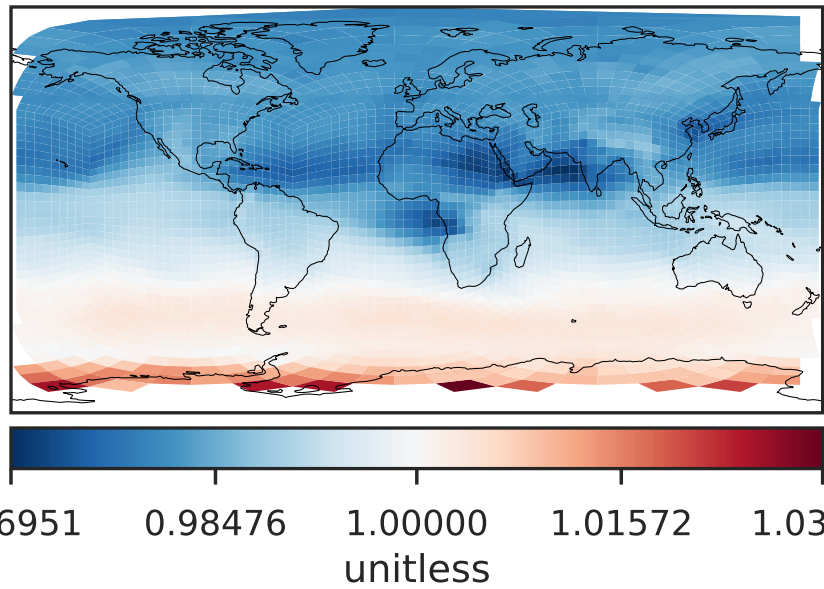
Difference
Dev - Ref, Dynamic Range



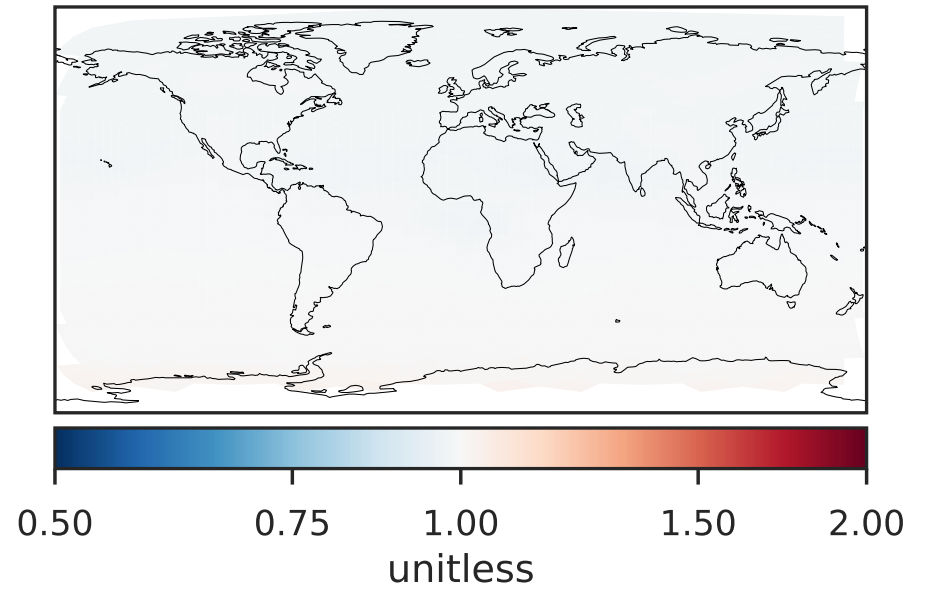
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

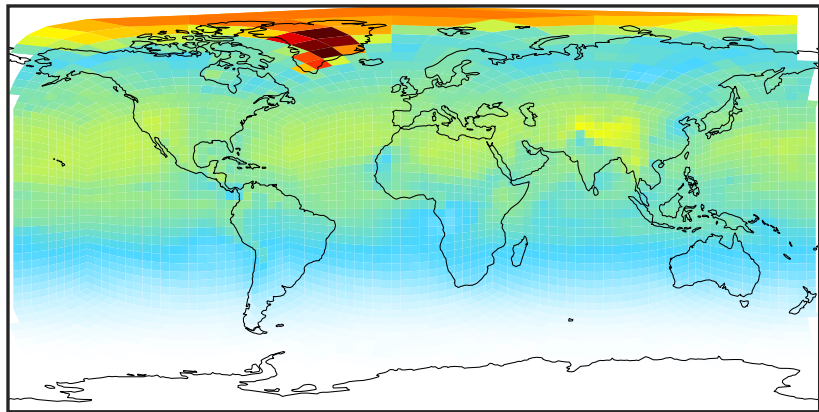


Ratio
Dev/Ref, Fixed Range



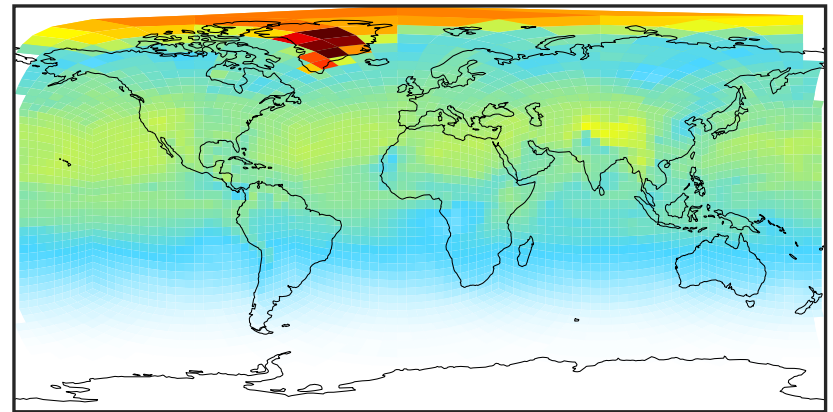
Jval_R4P (Jul2019)

GCHP_14.0.0 (Ref)
c24



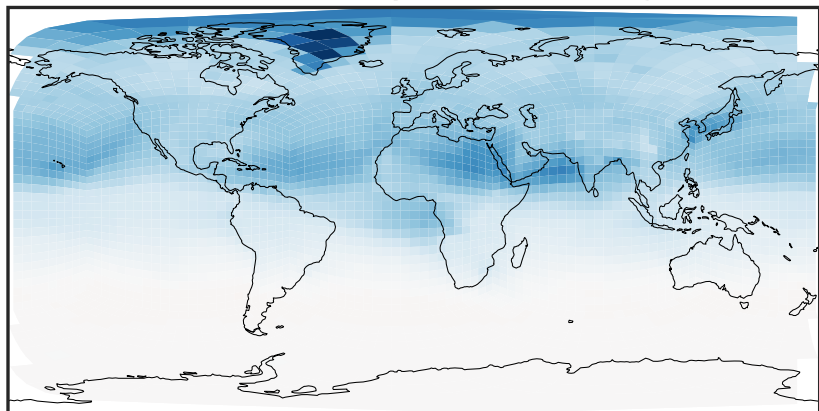
0.0 1.5 3.0 4.5
s-1 1e-6

GCHP_14.2.0 (Dev)
c24



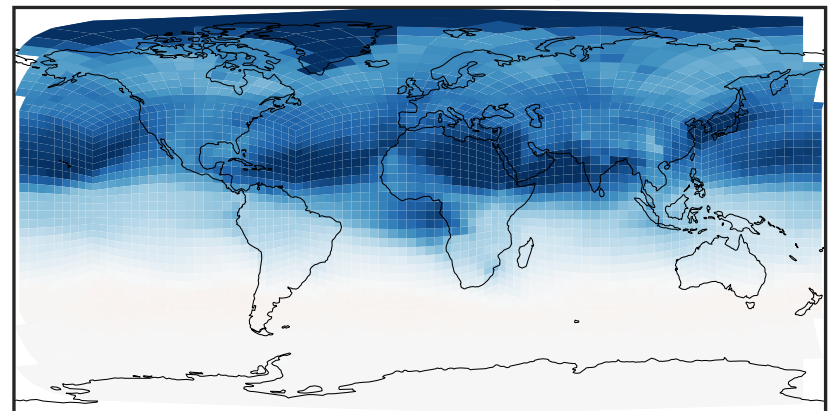
0.0 1.5 3.0 4.5
s-1 1e-6

Difference
Dev - Ref, Dynamic Range



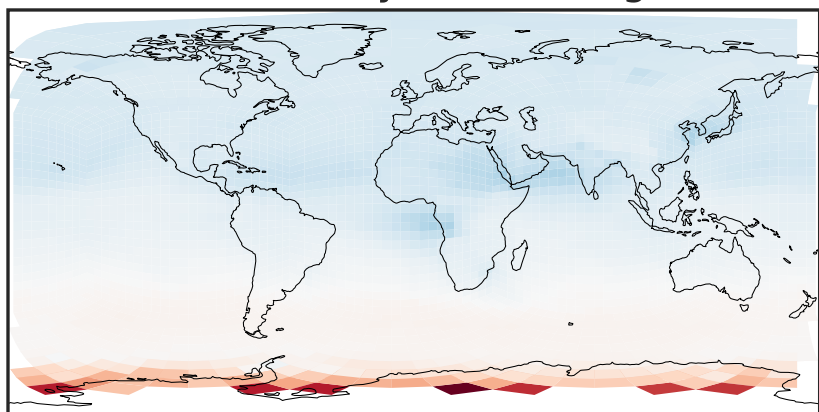
-2 0 2
s-1 1e-8

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



-8 0 8
s-1 1e-9

Ratio
Dev/Ref, Dynamic Range



0.96158 0.98079 1.00000 1.01998 1.03996
unitless

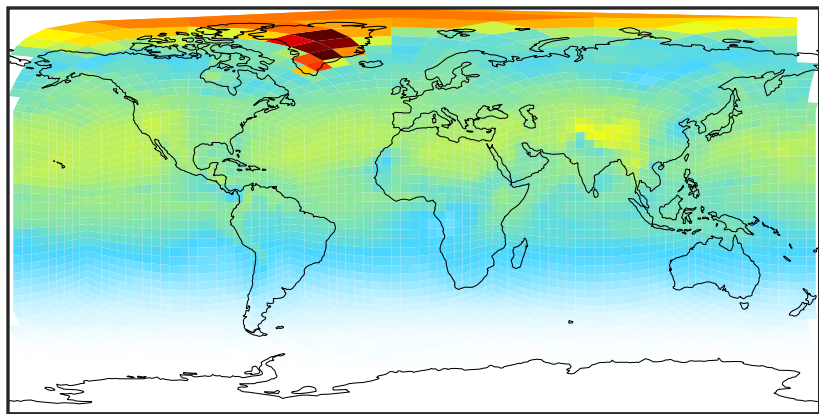
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

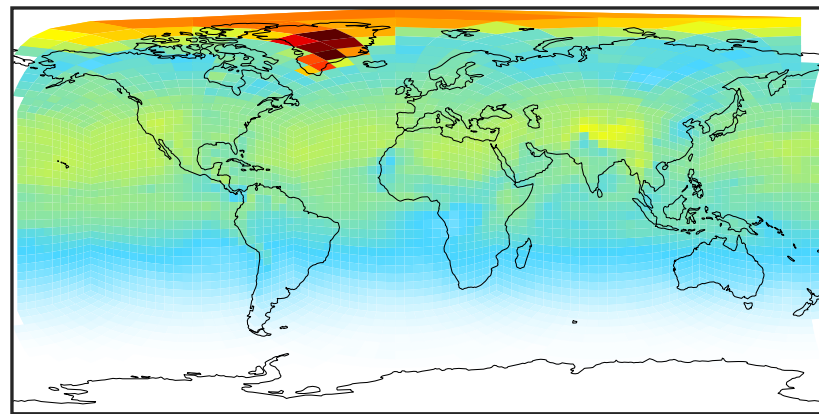
Jval_RA3P (Jul2019)

GCHP_14.0.0 (Ref)
c24



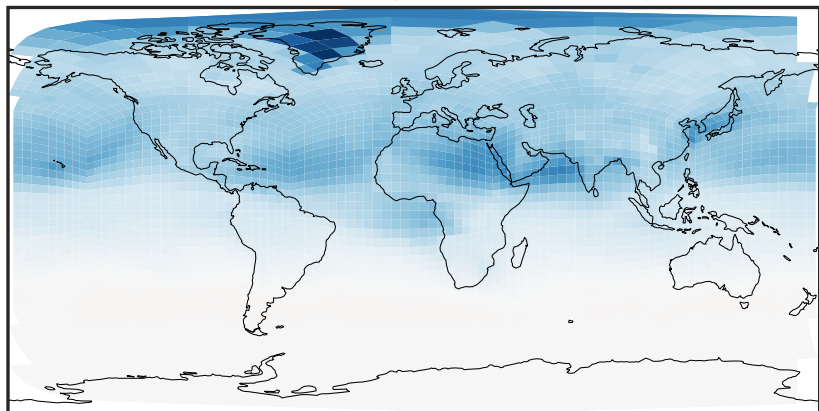
0.0 1.5 3.0 4.5
s-1 $1e-6$

GCHP_14.2.0 (Dev)
c24



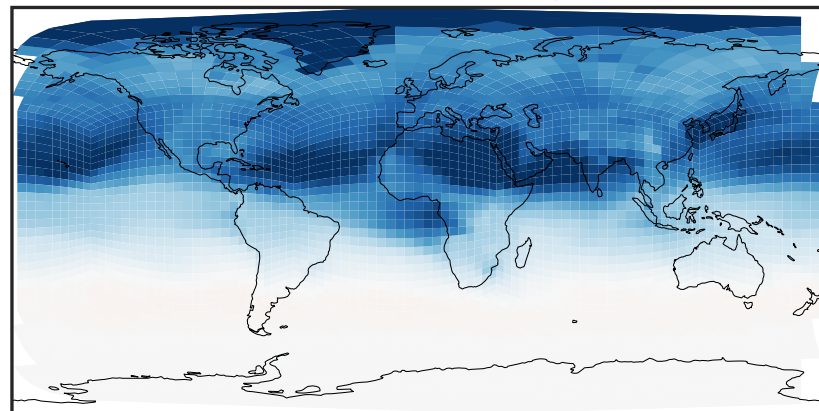
0.0 1.5 3.0 4.5
s-1 $1e-6$

Difference
Dev - Ref, Dynamic Range



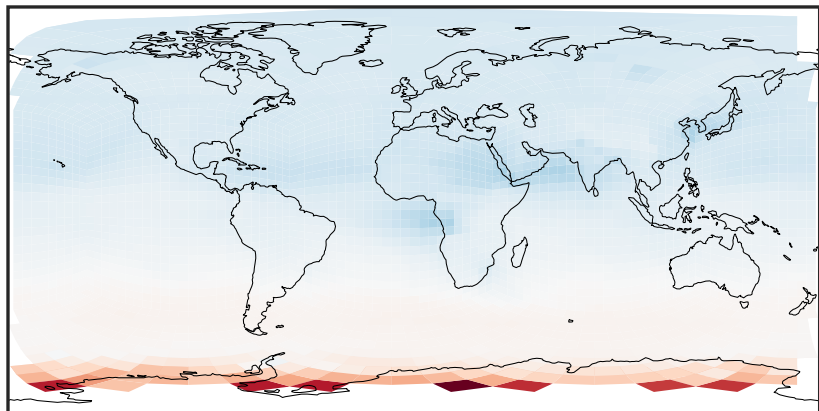
-2 0 2
s-1 $1e-8$

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



-8 0 8
s-1 $1e-9$

Ratio
Dev/Ref, Dynamic Range



0.96158 0.98079 1.00000 1.01998 1.03996
unitless

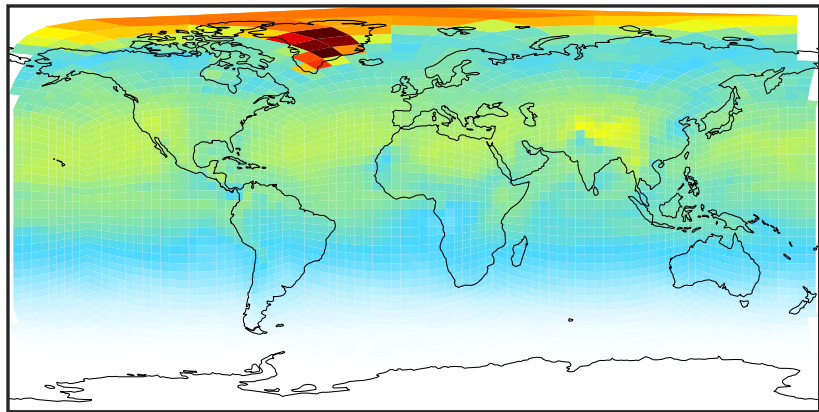
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

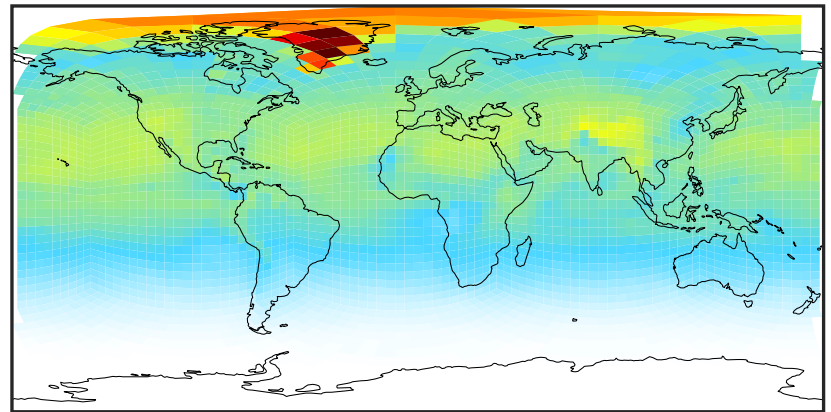
Jval_RB3P (Jul2019)

GCHP_14.0.0 (Ref)
c24



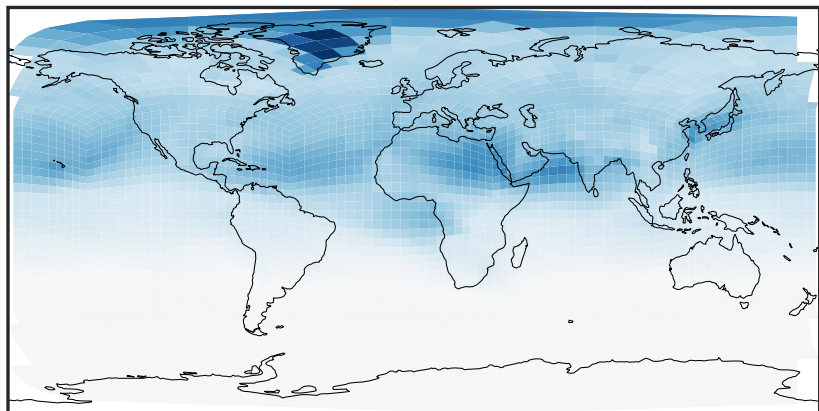
0.0 1.5 3.0 4.5
s-1 $1e-6$

GCHP_14.2.0 (Dev)
c24



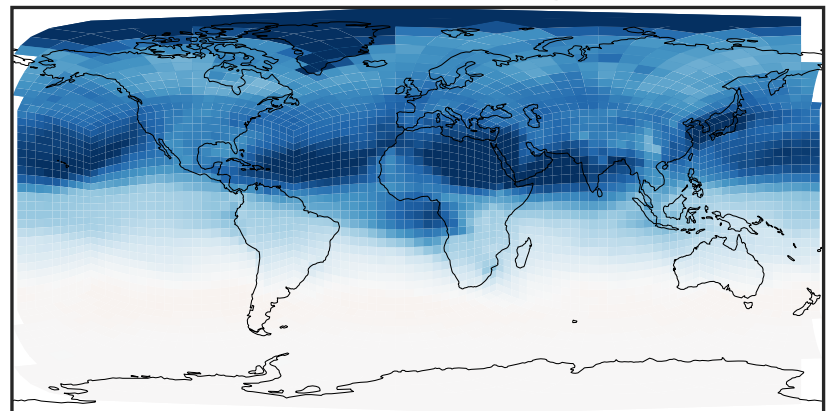
0.0 1.5 3.0 4.5
s-1 $1e-6$

Difference
Dev - Ref, Dynamic Range



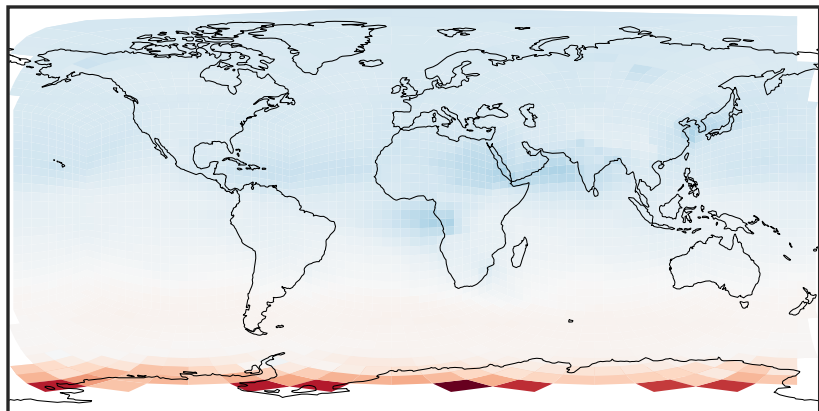
-2 0 2
s-1 $1e-8$

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



-8 0 8
s-1 $1e-9$

Ratio
Dev/Ref, Dynamic Range



0.96158 0.98079 1.00000 1.01998 1.03996
unitless

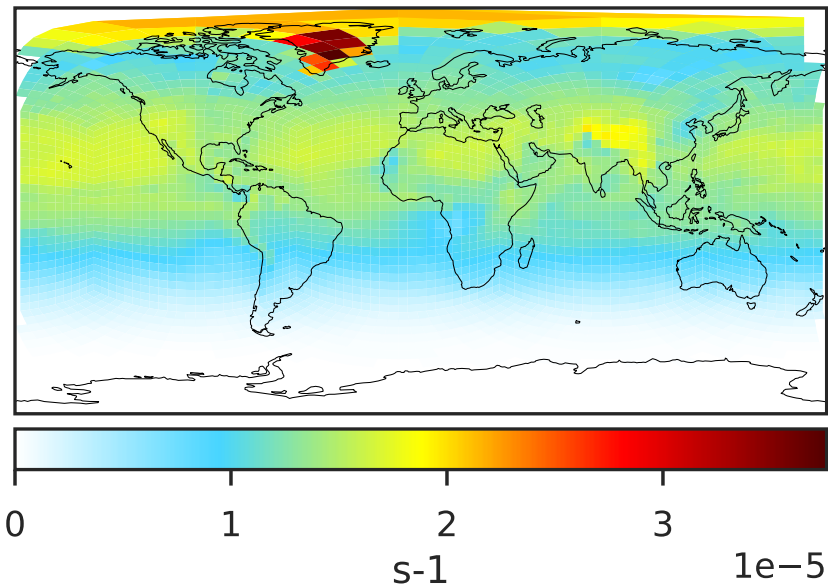
Ratio
Dev/Ref, Fixed Range



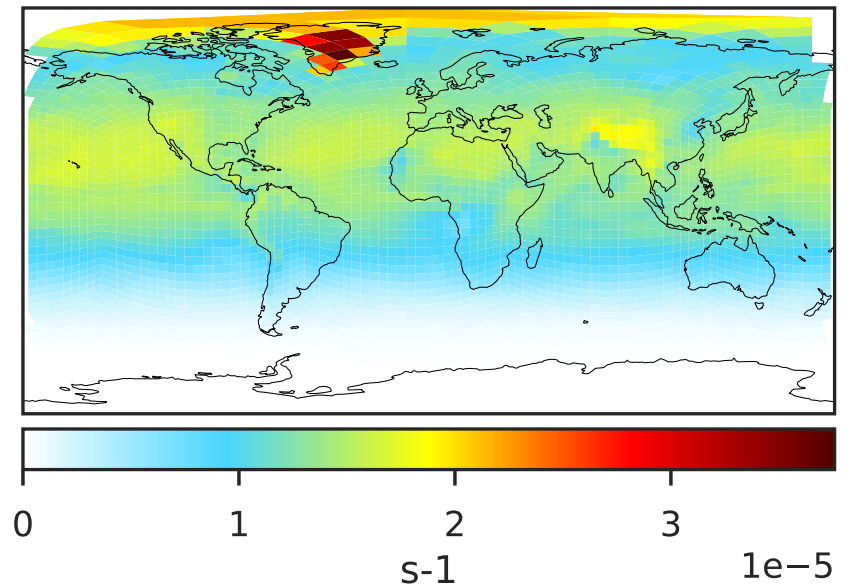
0.50 0.75 1.00 1.50 2.00
unitless

Jval_RCHO (Jul2019)

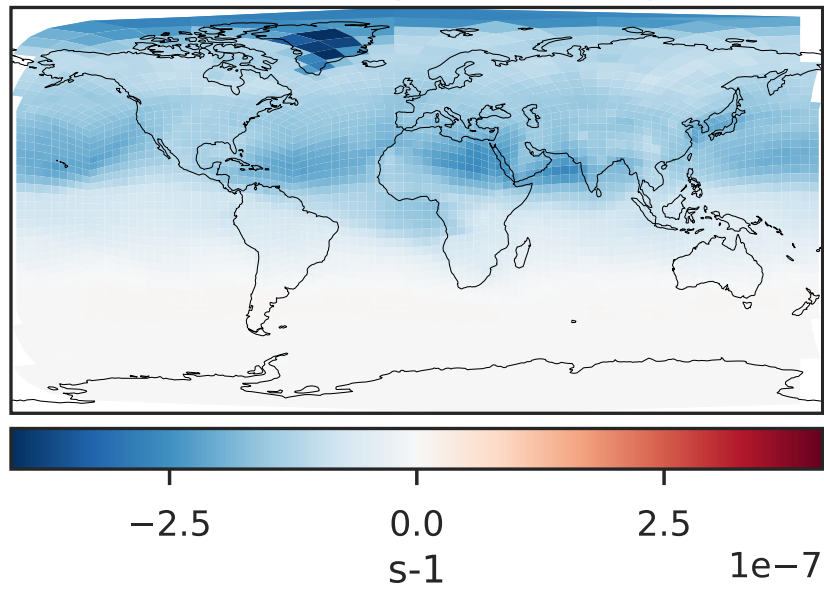
GCHP_14.0.0 (Ref)
c24



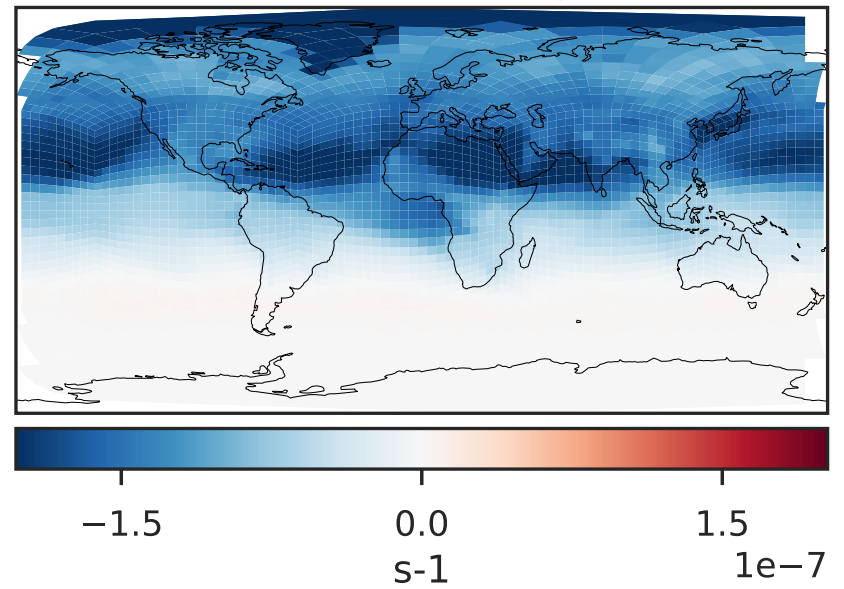
GCHP_14.2.0 (Dev)
c24



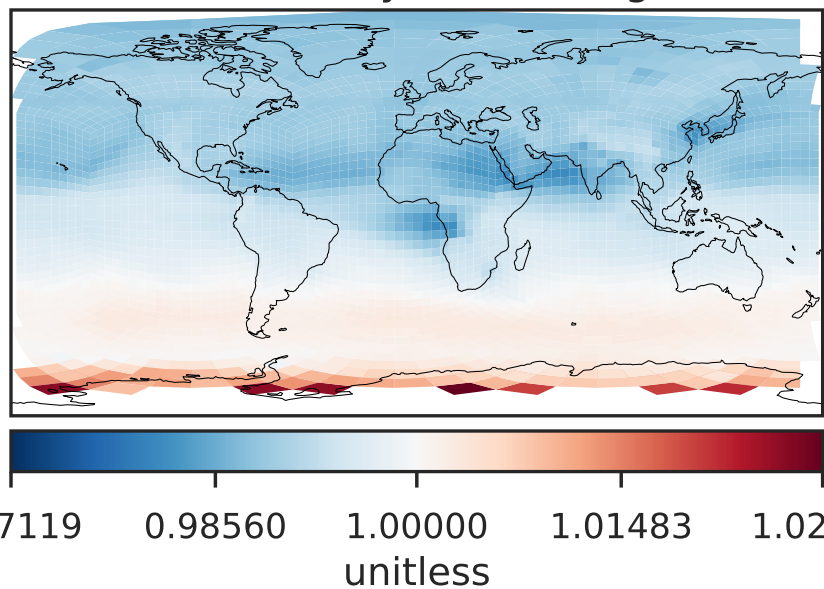
Difference
Dev - Ref, Dynamic Range



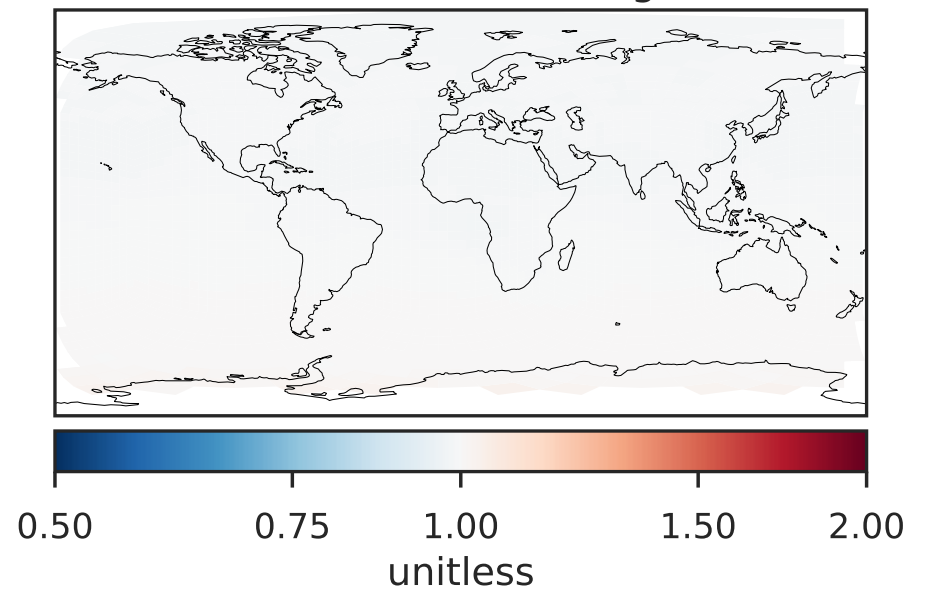
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

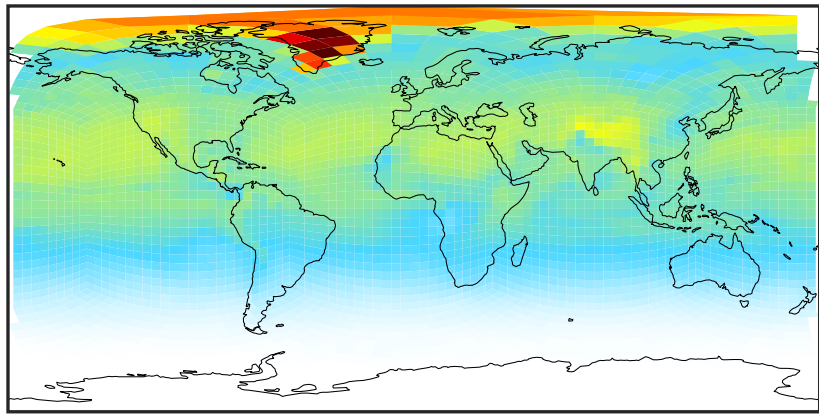


Ratio
Dev/Ref, Fixed Range



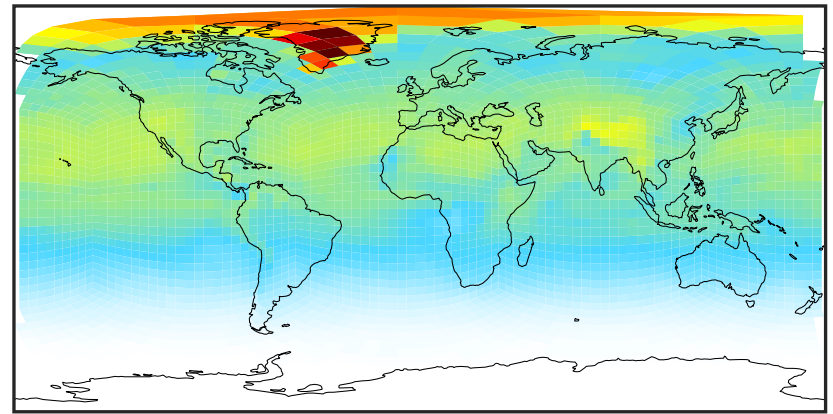
Jval_RIPA (Jul2019)

GCHP_14.0.0 (Ref)
c24



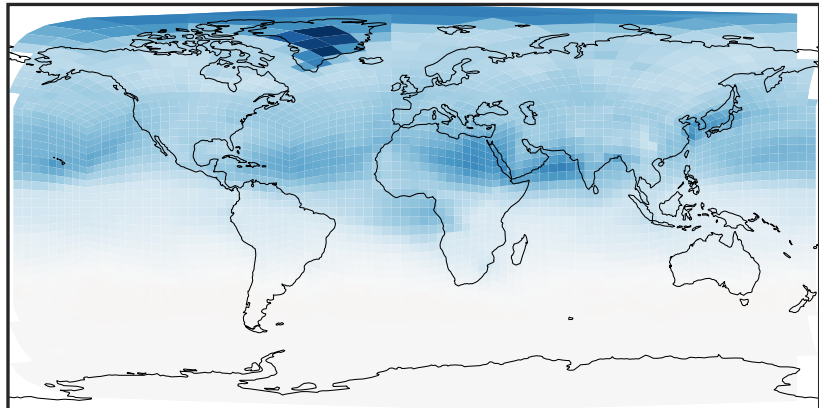
0.0 1.5 3.0 4.5
s-1 $1e-6$

GCHP_14.2.0 (Dev)
c24



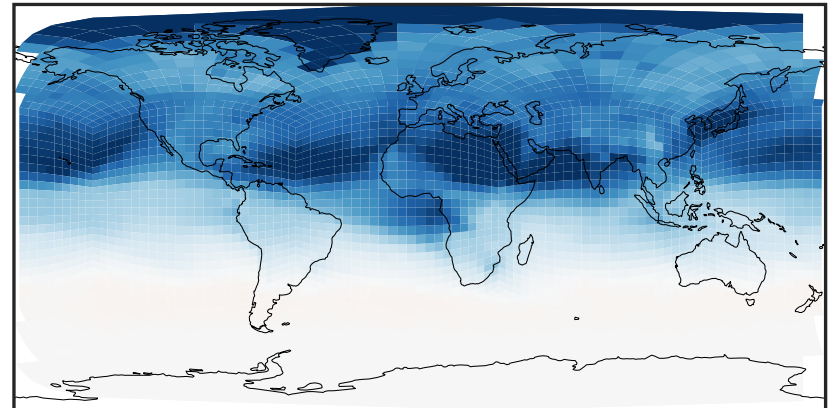
0.0 1.5 3.0 4.5
s-1 $1e-6$

Difference
Dev - Ref, Dynamic Range



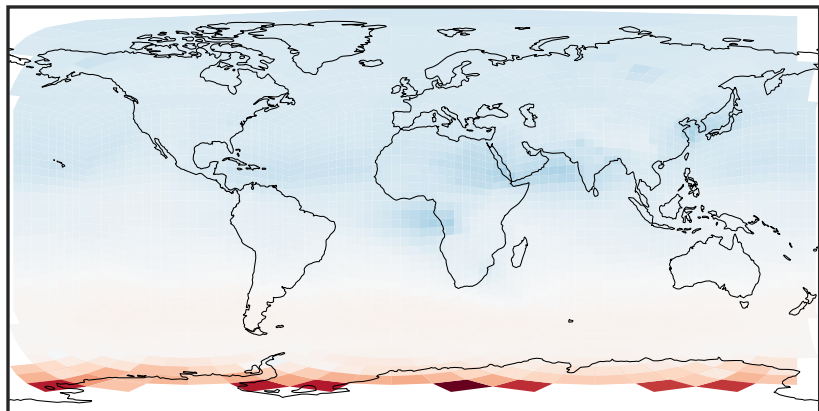
-2 0 2
s-1 $1e-8$

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



-8 0 8
s-1 $1e-9$

Ratio
Dev/Ref, Dynamic Range



0.96158 0.98079 1.00000 1.01998 1.03996
unitless

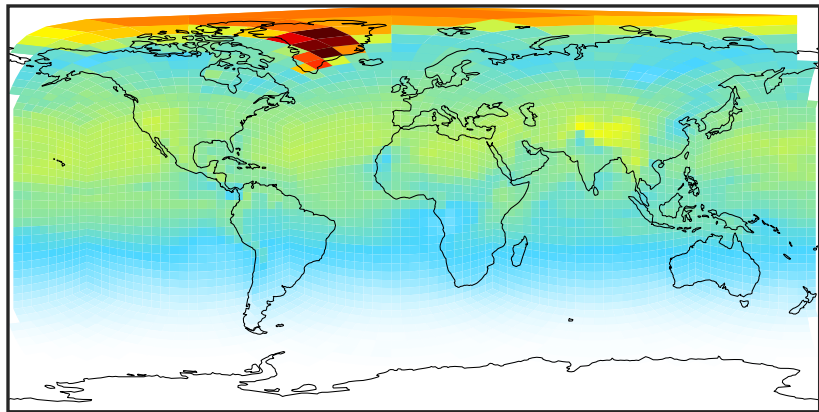
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

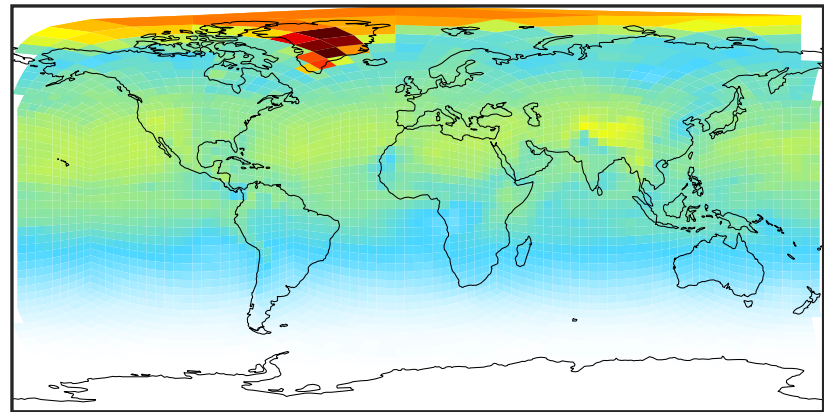
Jval_RIPB (Jul2019)

GCHP_14.0.0 (Ref)
c24



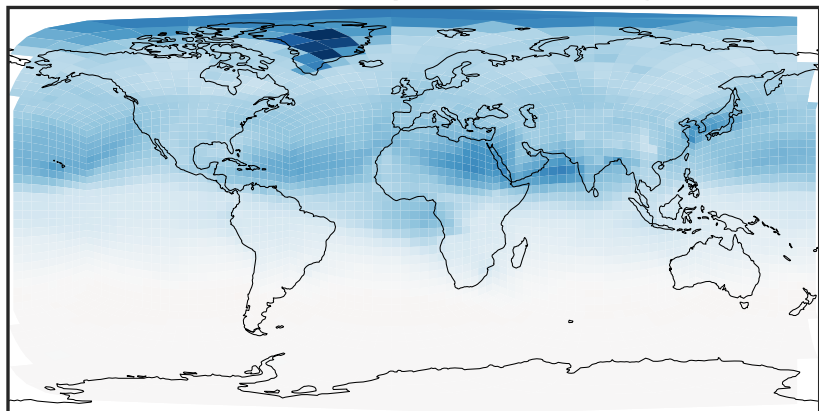
0.0 1.5 3.0 4.5
s-1 $1e-6$

GCHP_14.2.0 (Dev)
c24



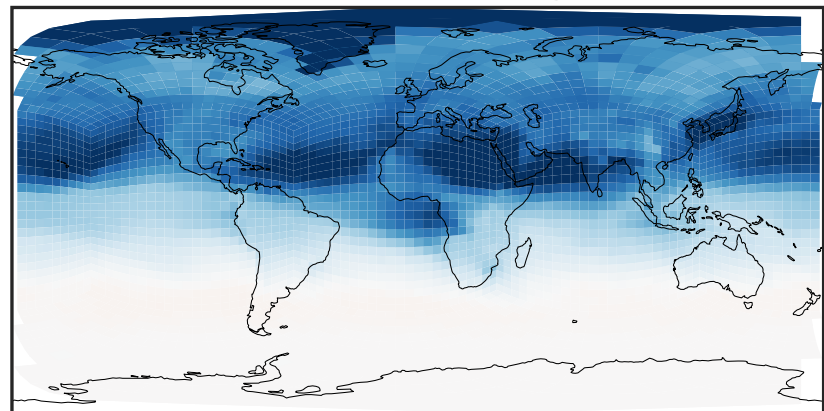
0.0 1.5 3.0 4.5
s-1 $1e-6$

Difference
Dev - Ref, Dynamic Range



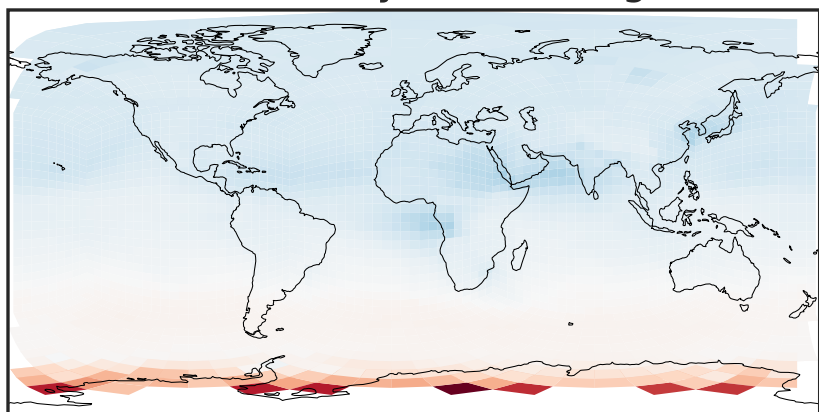
-2 0 2
s-1 $1e-8$

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



-8 0 8
s-1 $1e-9$

Ratio
Dev/Ref, Dynamic Range



0.96158 0.98079 1.00000 1.01998 1.03996
unitless

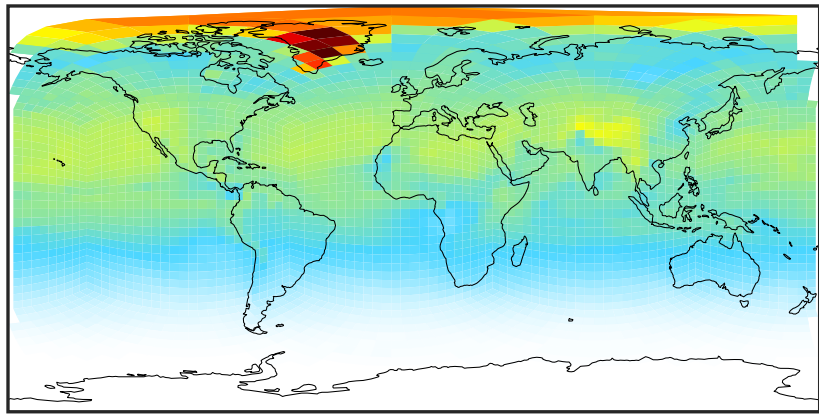
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

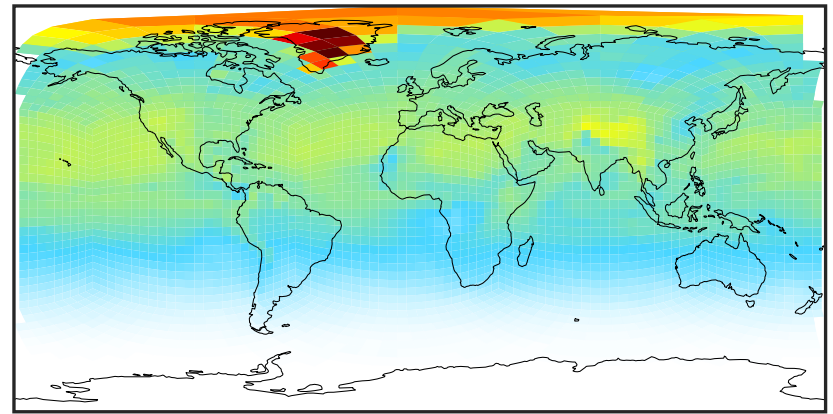
Jval_RIPC (Jul2019)

GCHP_14.0.0 (Ref)
c24



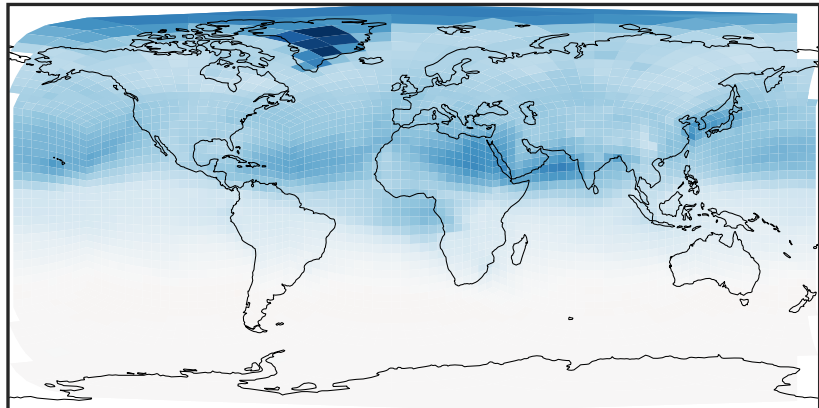
0.0 1.5 3.0 4.5
s-1 $1e-6$

GCHP_14.2.0 (Dev)
c24



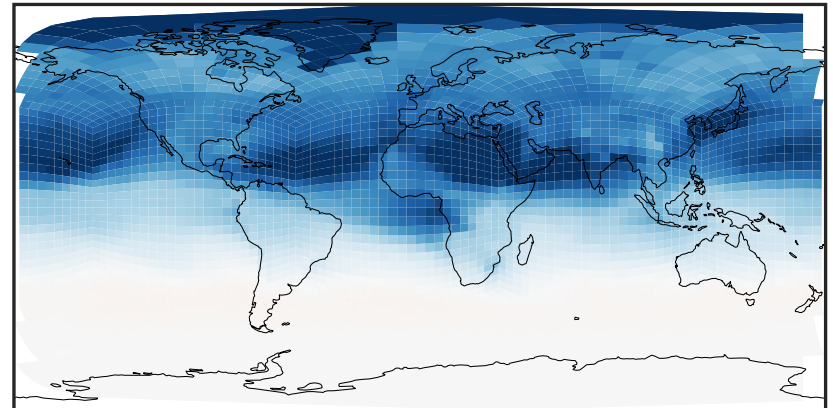
0.0 1.5 3.0 4.5
s-1 $1e-6$

Difference
Dev - Ref, Dynamic Range



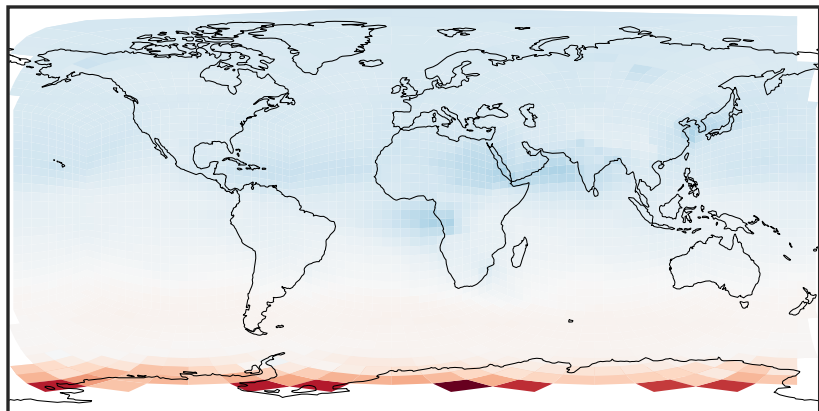
-2 0 2
s-1 $1e-8$

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



-8 0 8
s-1 $1e-9$

Ratio
Dev/Ref, Dynamic Range



0.96158 0.98079 1.00000 1.01998 1.03996
unitless

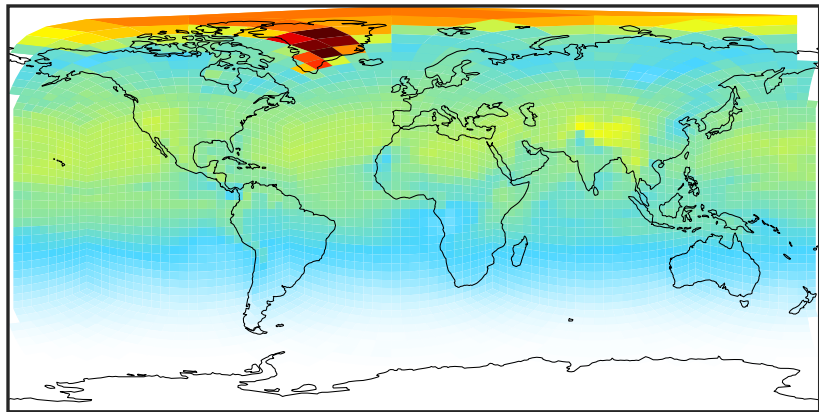
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

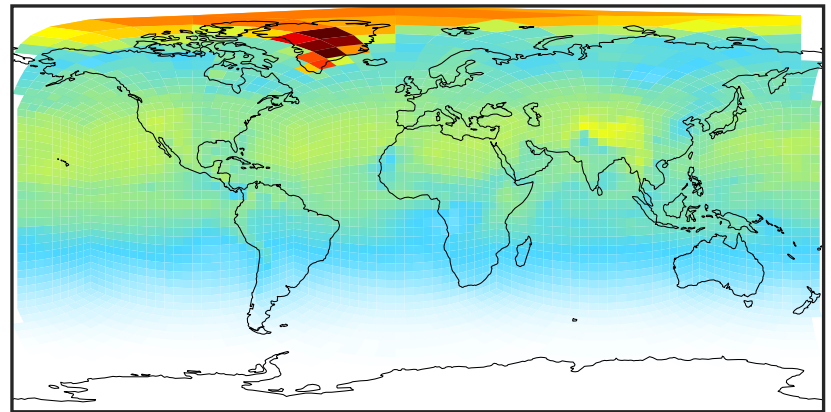
Jval_RIPD (Jul2019)

GCHP_14.0.0 (Ref)
c24



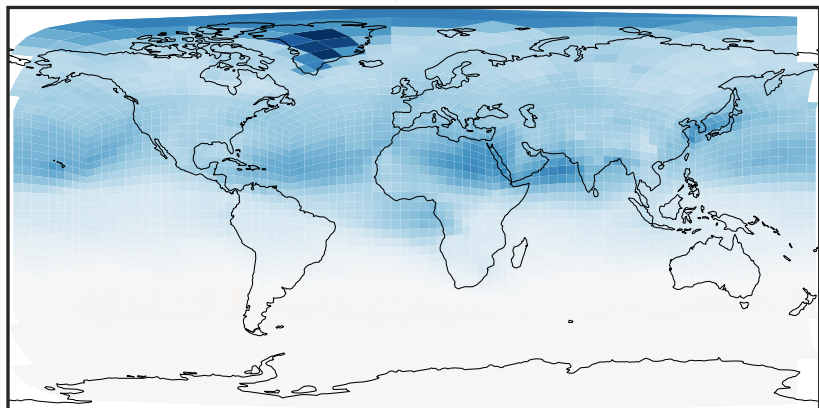
0.0 1.5 3.0 4.5
s-1 $1e-6$

GCHP_14.2.0 (Dev)
c24



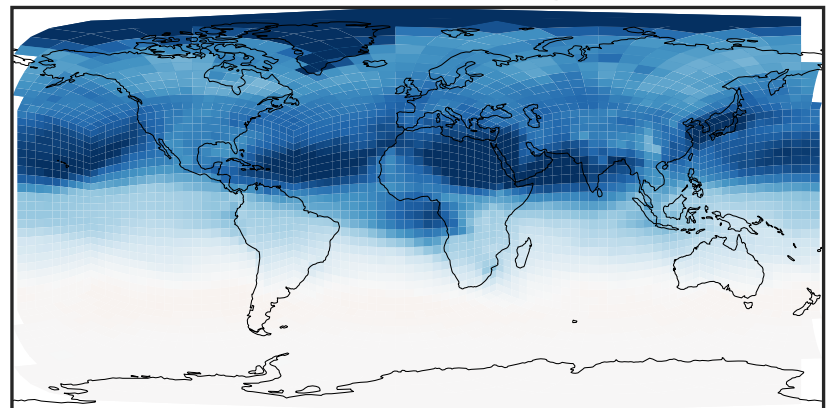
0.0 1.5 3.0 4.5
s-1 $1e-6$

Difference
Dev - Ref, Dynamic Range



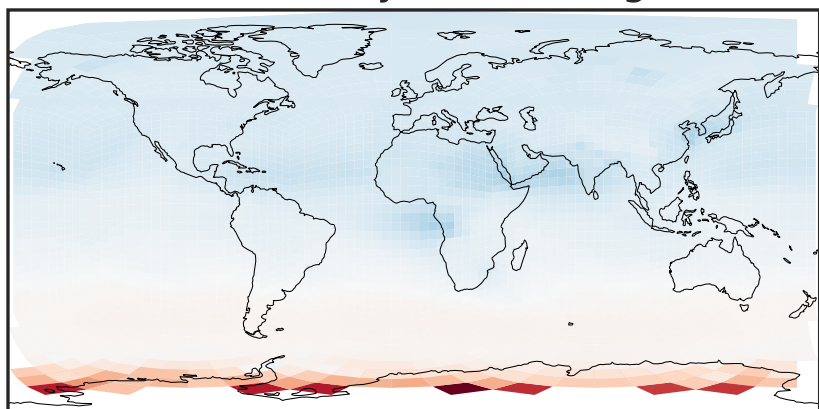
-2 0 2
s-1 $1e-8$

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



-8 0 8
s-1 $1e-9$

Ratio
Dev/Ref, Dynamic Range



0.96158 0.98079 1.00000 1.01998 1.03996
unitless

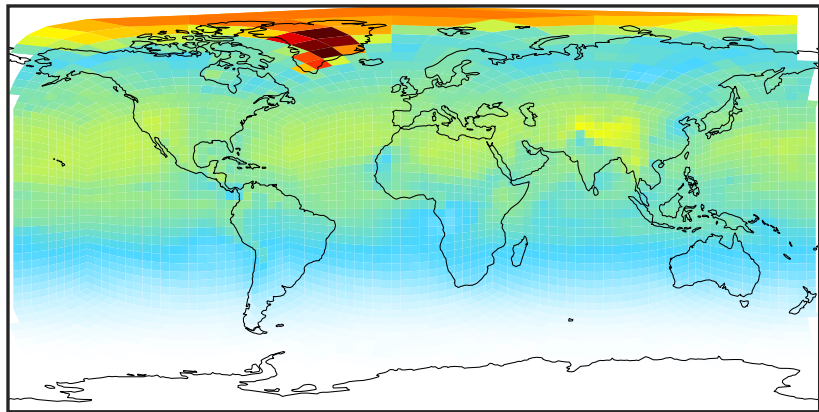
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

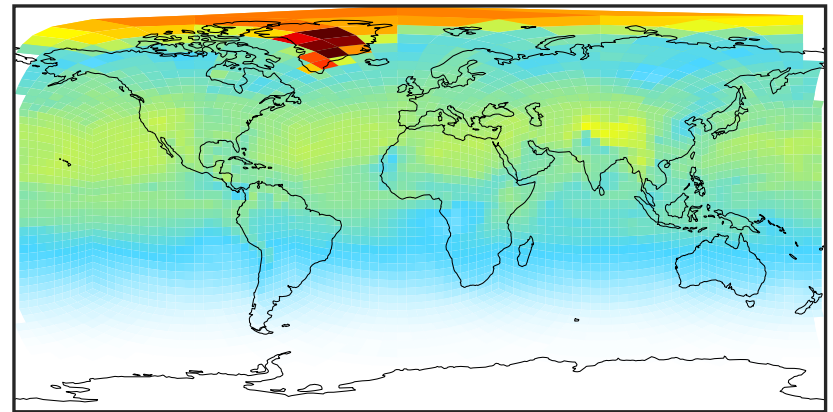
Jval_RP (Jul2019)

GCHP_14.0.0 (Ref)
c24



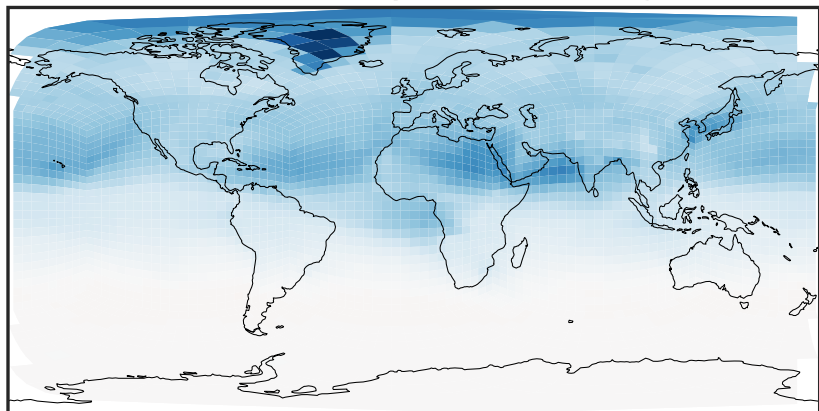
0.0 1.5 3.0 4.5
s-1 $1e-6$

GCHP_14.2.0 (Dev)
c24



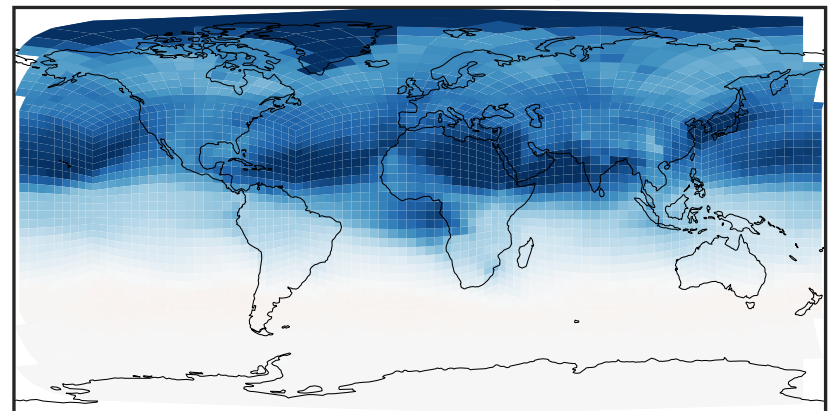
0.0 1.5 3.0 4.5
s-1 $1e-6$

Difference
Dev - Ref, Dynamic Range



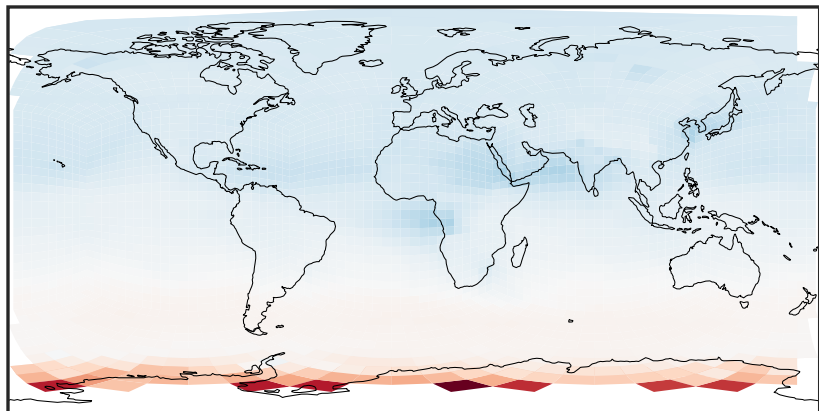
-2 0 2
s-1 $1e-8$

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



-8 0 8
s-1 $1e-9$

Ratio
Dev/Ref, Dynamic Range



0.96158 0.98079 1.00000 1.01998 1.03996
unitless

Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

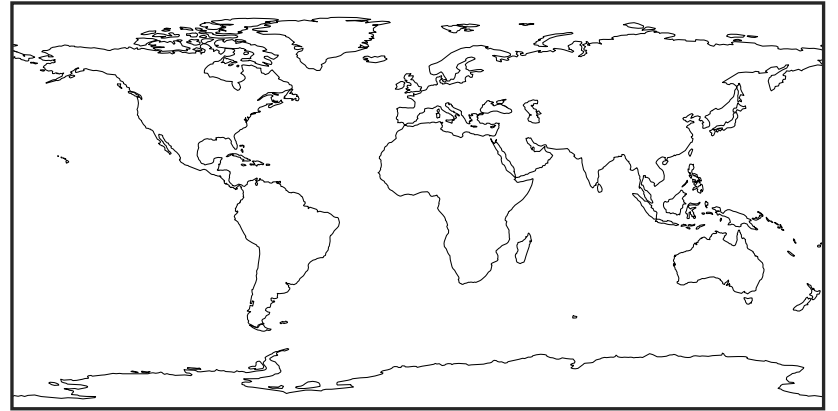
Jval_SO4 (Jul2019)

GCHP_14.0.0 (Ref)
c24



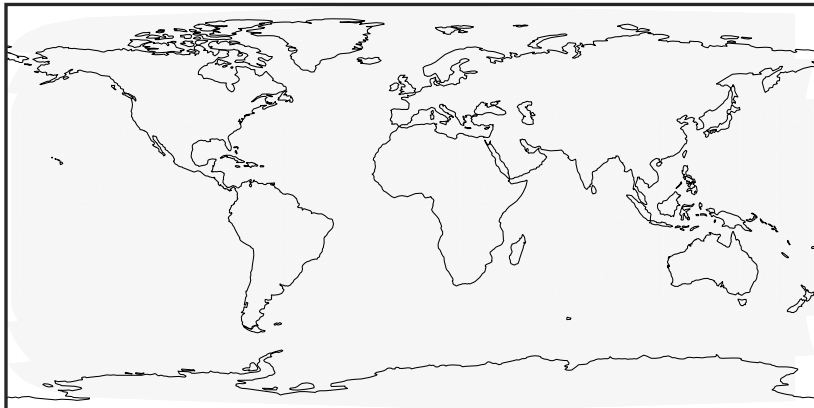
Zero throughput domain
s-1

GCHP_14.2.0 (Dev)
c24



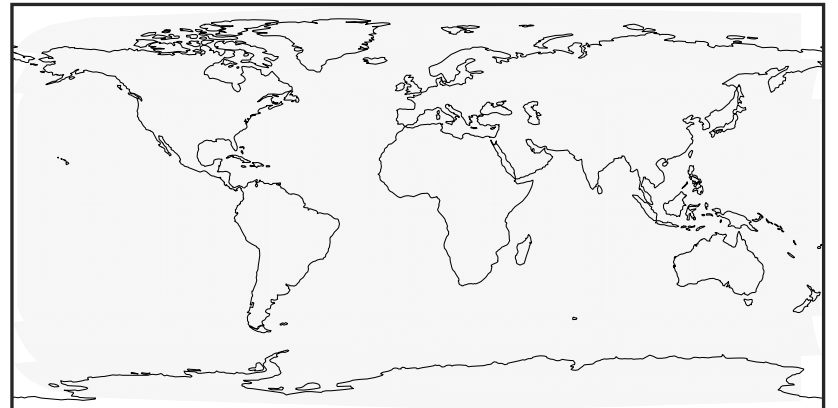
Zero throughput domain
s-1

Difference
Dev - Ref, Dynamic Range



Zero throughput domain
s-1

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



Zero throughput domain
s-1

Ratio
Dev/Ref, Dynamic Range



Undefined throughput domain
unitless

Ratio
Dev/Ref, Fixed Range



Undefined throughput domain
unitless