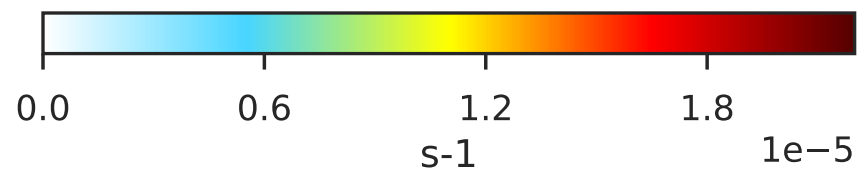
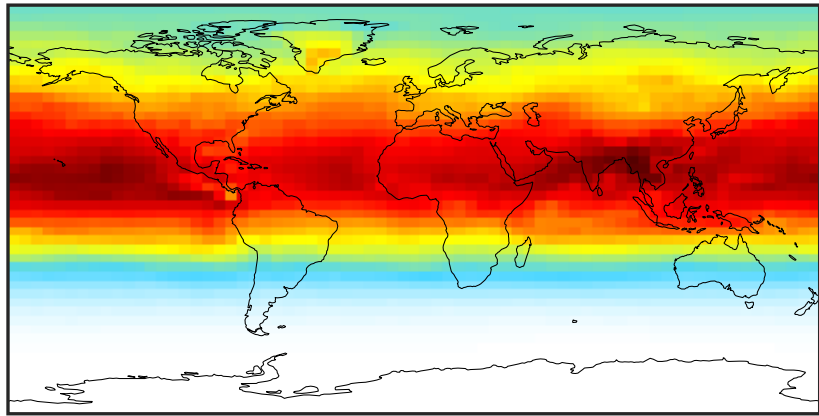
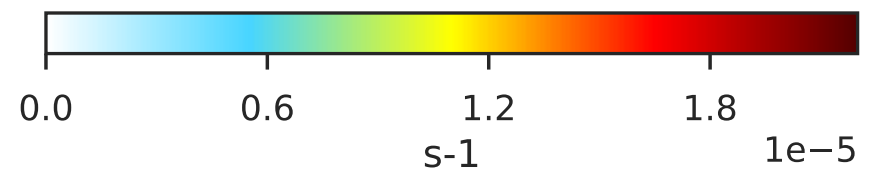
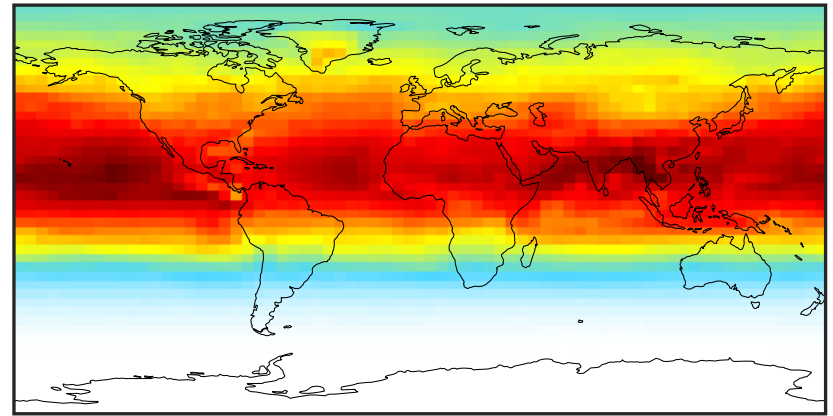


JvalO301D (Jul2019)

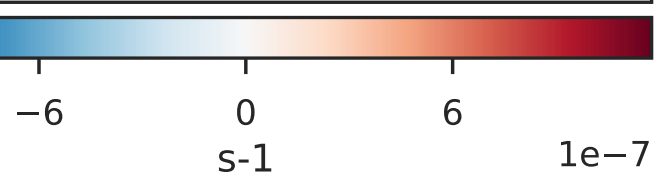
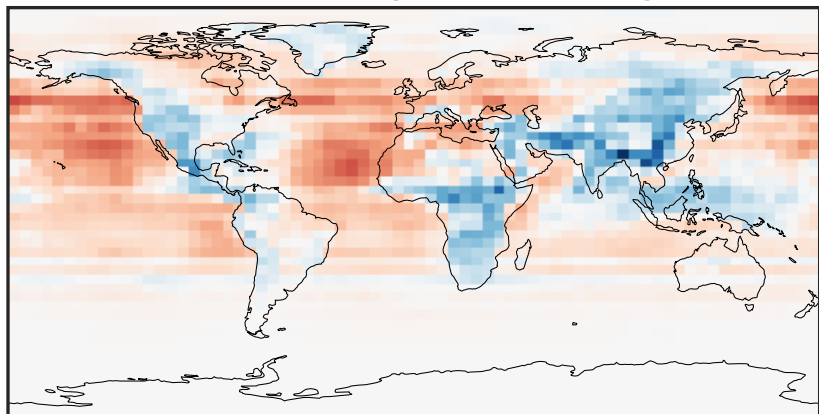
14.2.0-rc.2 (Ref)
4.0x5.0



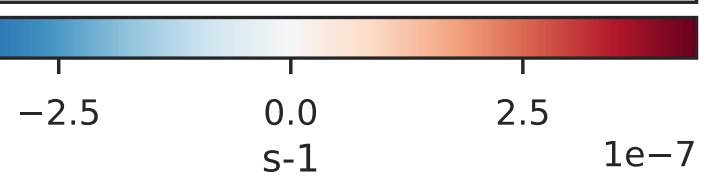
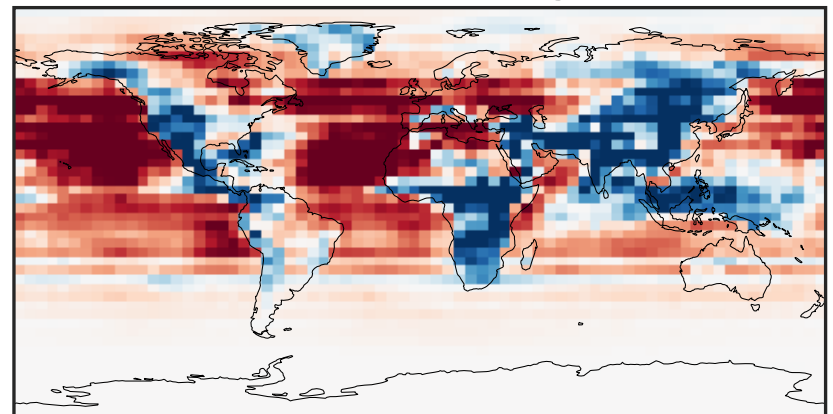
14.3.0-rc.0 (Dev)
4.0x5.0



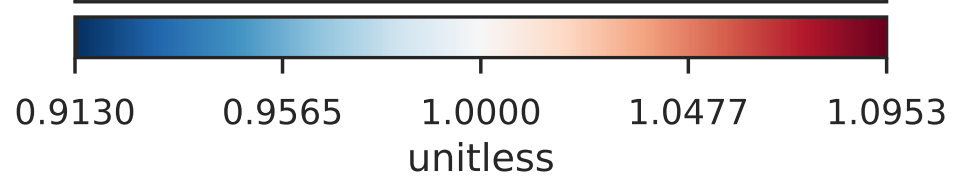
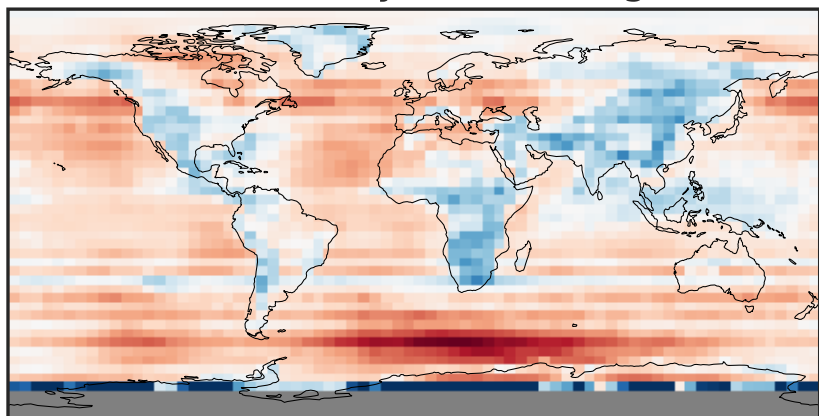
Difference
Dev - Ref, Dynamic Range



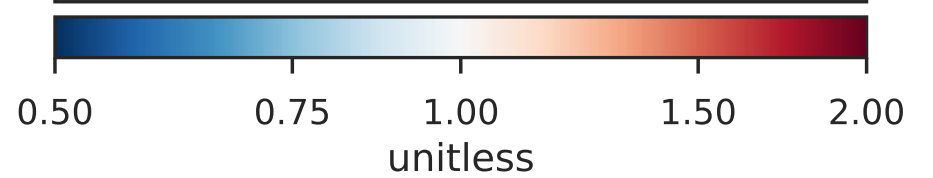
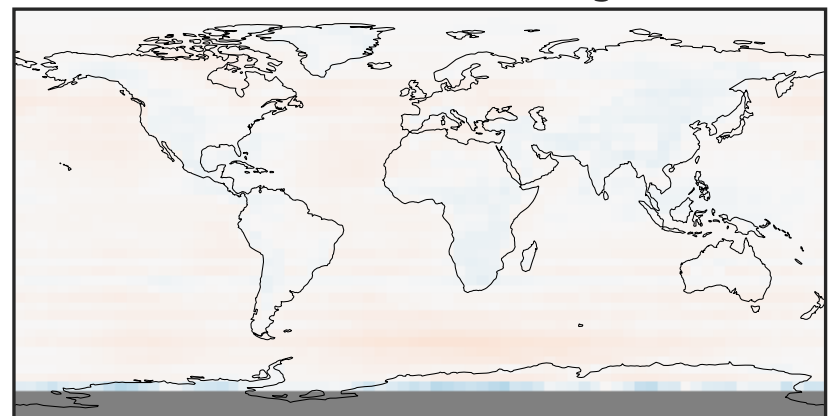
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

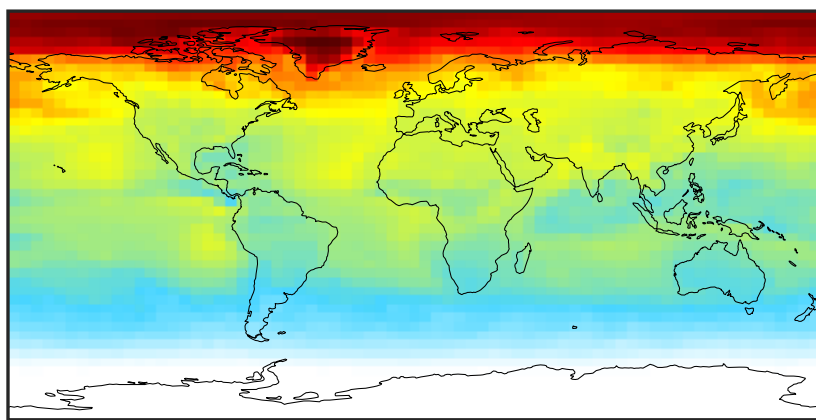


Ratio
Dev/Ref, Fixed Range



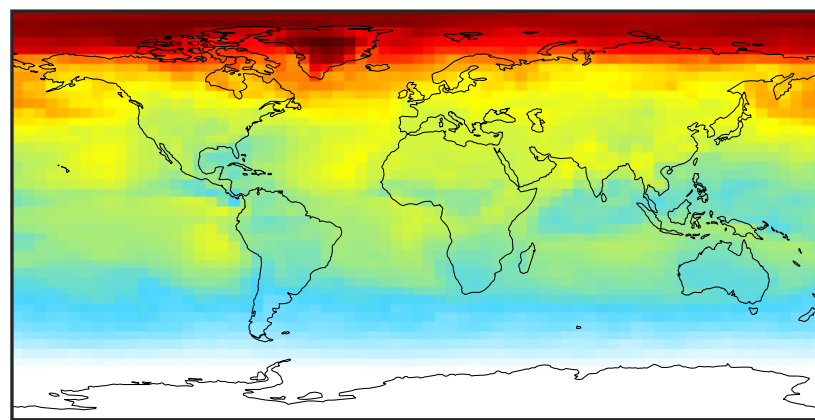
Jval0303P (Jul2019)

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



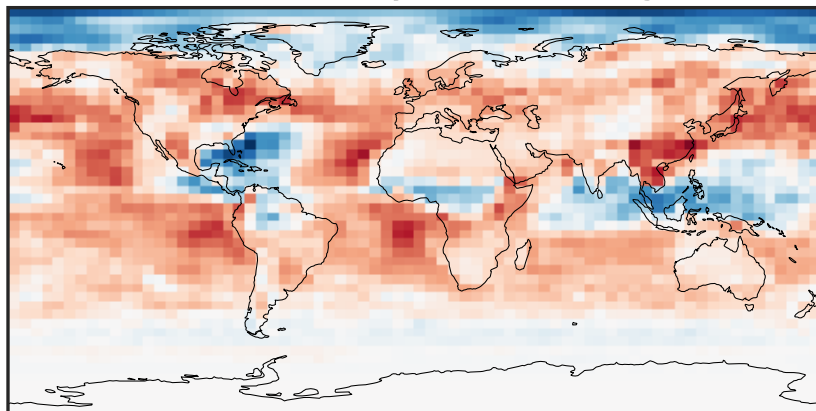
0.00000 0.00015 0.00030 0.00045
s-1

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



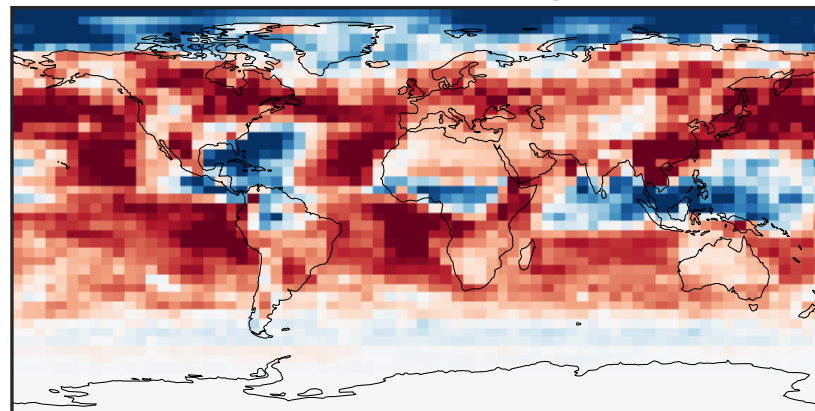
0.00000 0.00015 0.00030 0.00045
s-1

Difference
Dev - Ref, Dynamic Range



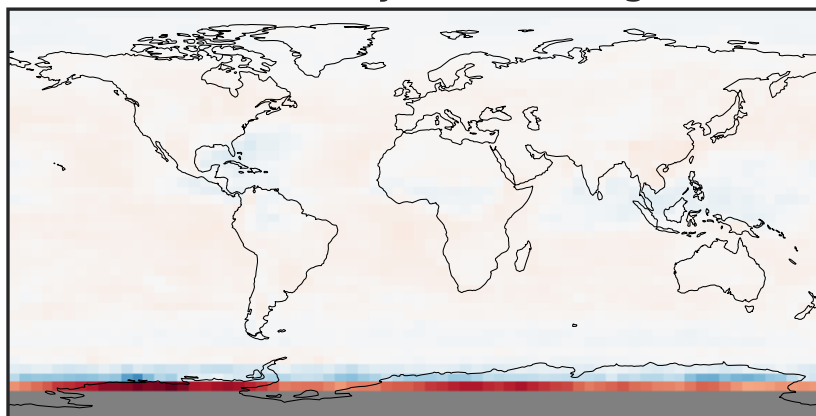
-6 0 6
s-1 1e-6

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



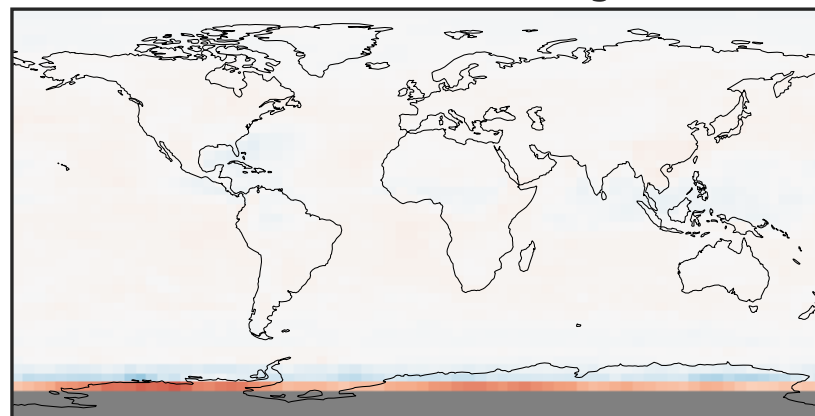
-3 0 3
s-1 1e-6

Ratio
Dev/Ref, Dynamic Range



0.6550 0.8275 1.0000 1.2633 1.5267
unitless

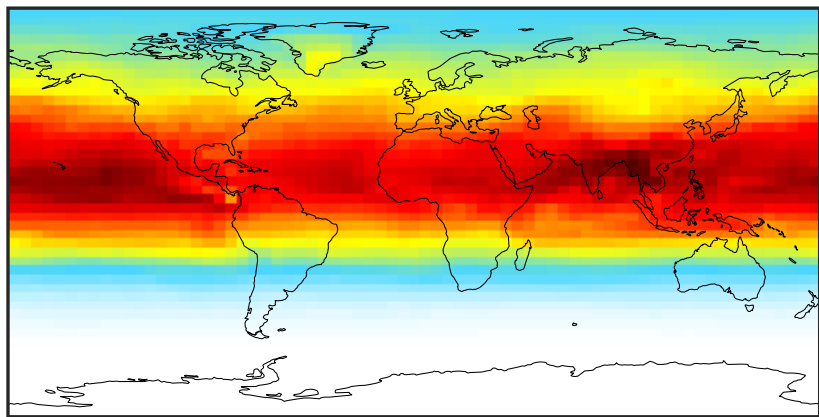
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

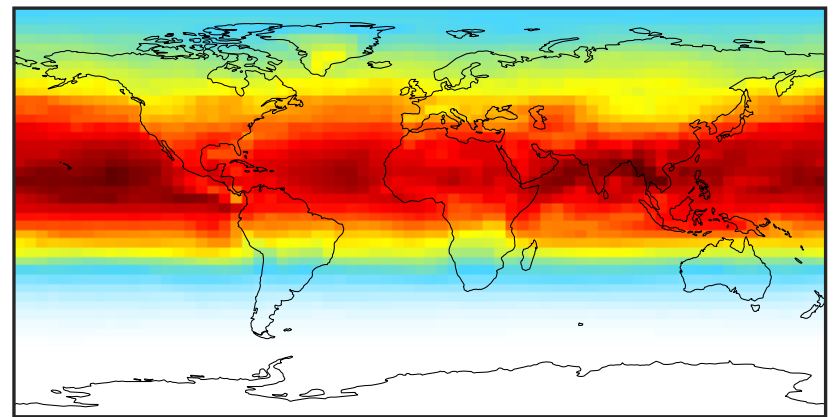
Jval_ACET (Jul2019)

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



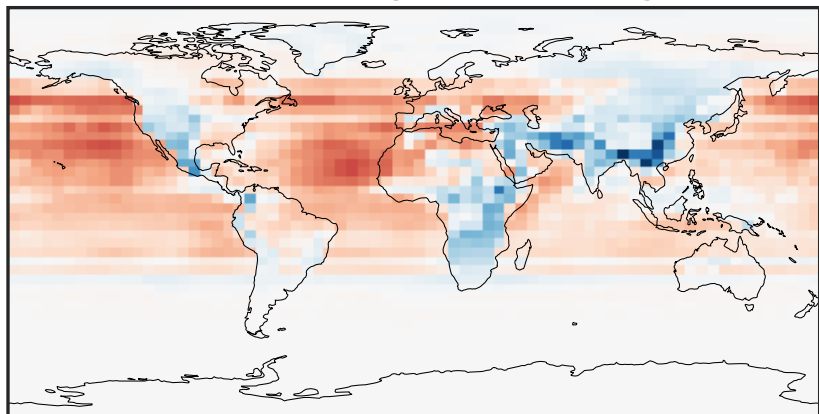
0.0 1.5 3.0 $1e-7$
s-1

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



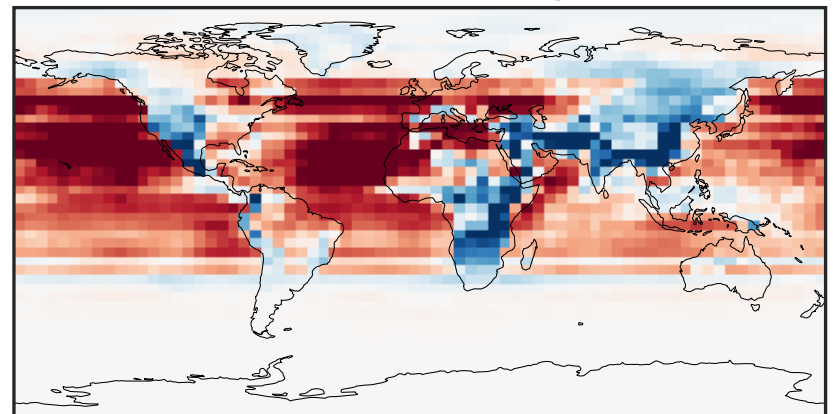
0.0 1.5 3.0 $1e-7$
s-1

Difference
Dev - Ref, Dynamic Range



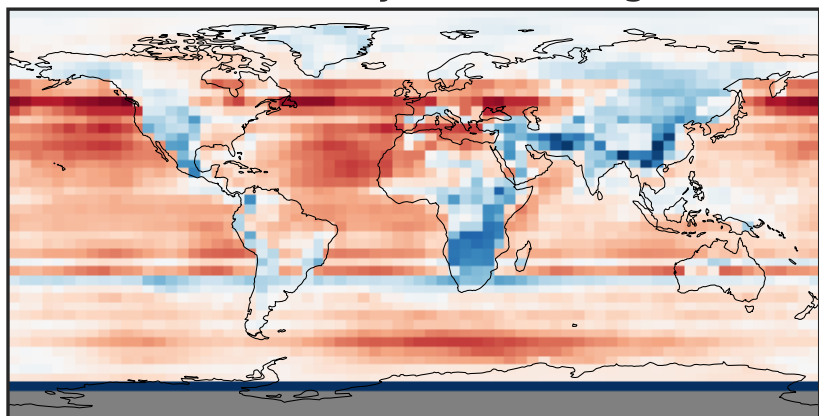
-2 0 2 $1e-8$
s-1

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



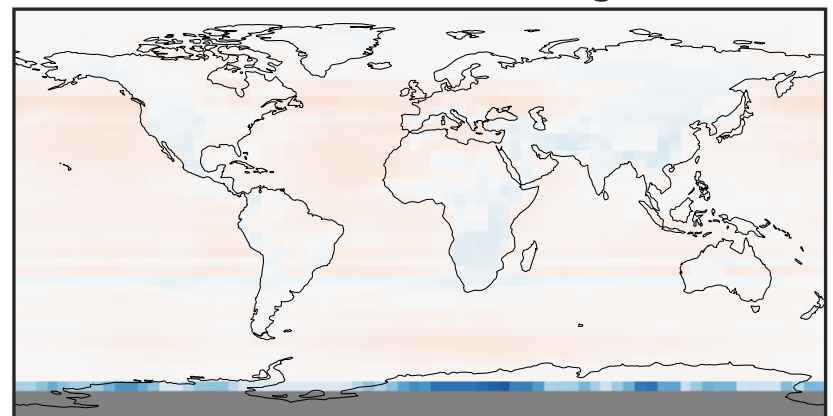
-1 0 1 $1e-8$
s-1

Ratio
Dev/Ref, Dynamic Range



0.9059 0.9529 1.0000 1.0519 1.1039
unitless

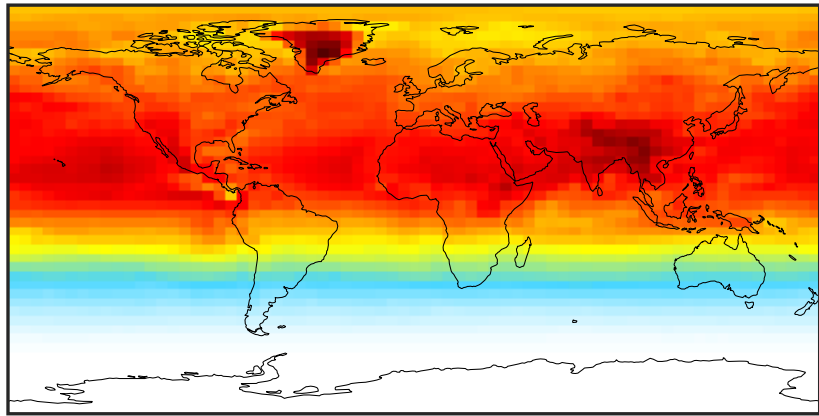
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

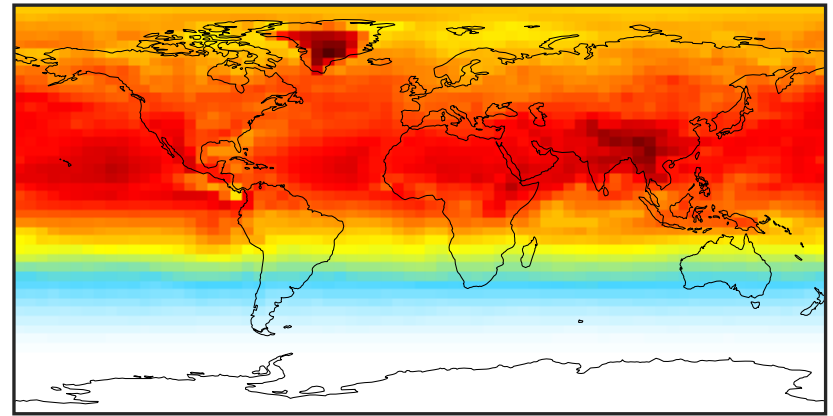
Jval_ALD2 (Jul2019)

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



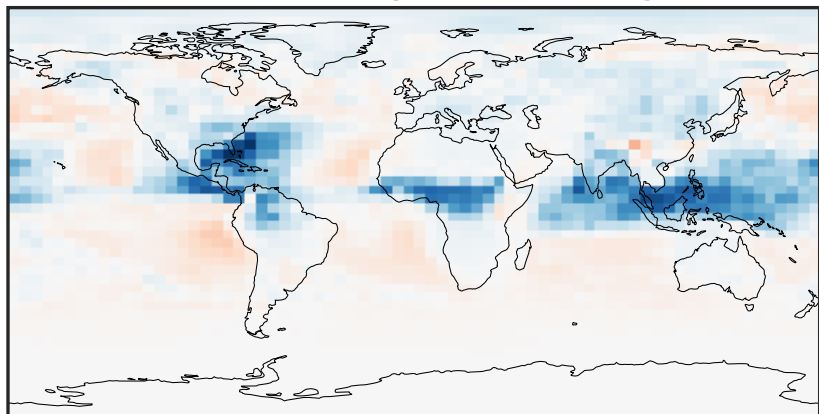
0.0 1.5 3.0 4.5
s-1 $1e-6$

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



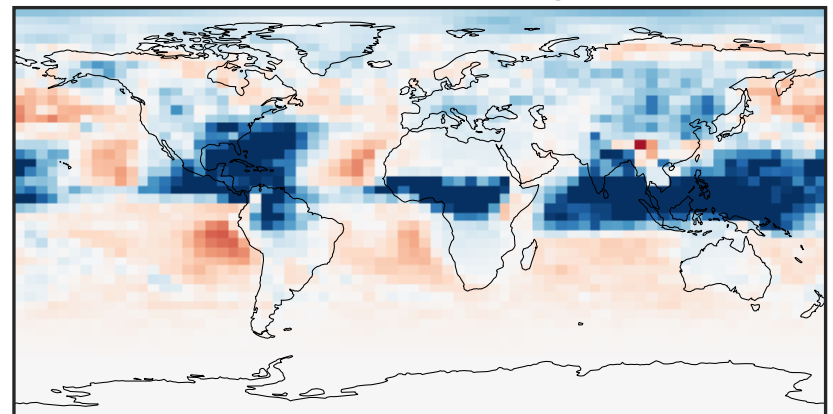
0.0 1.5 3.0 4.5
s-1 $1e-6$

Difference
Dev - Ref, Dynamic Range



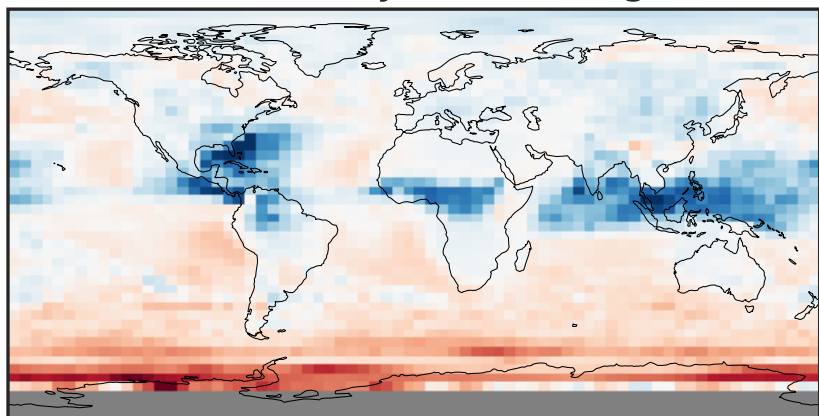
-1.5 0.0 1.5
s-1 $1e-7$

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



-5 0 5
s-1 $1e-8$

Ratio
Dev/Ref, Dynamic Range



0.9468 0.9734 1.0000 1.0281 1.0561
unitless

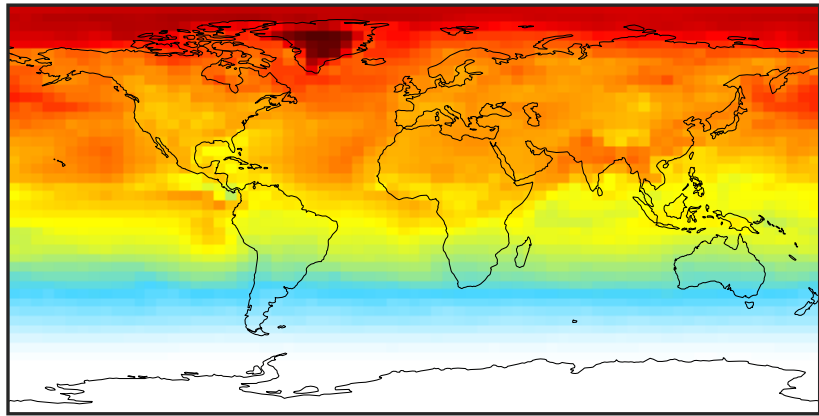
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

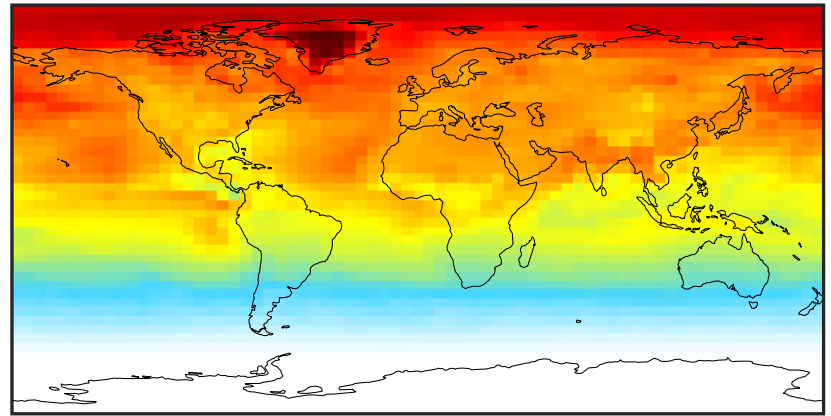
Jval_ATOOH (Jul2019)

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



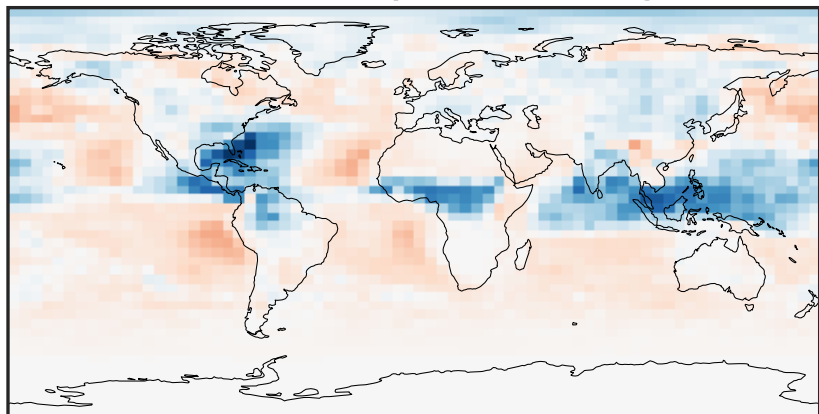
0.0 1.5 3.0 4.5 $1e-6$
s-1

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



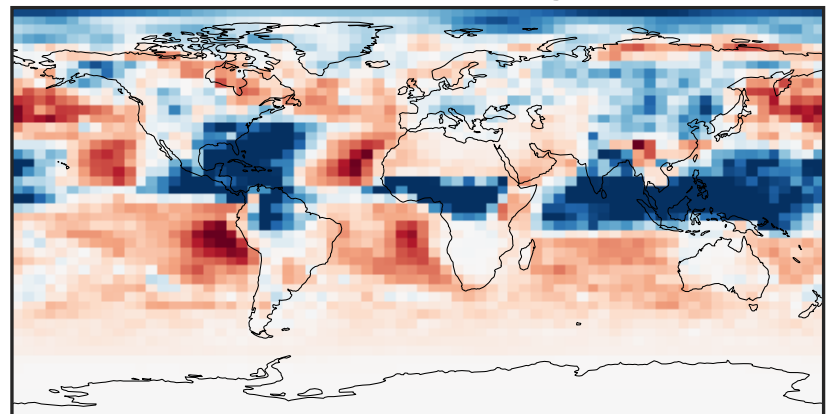
0.0 1.5 3.0 4.5 $1e-6$
s-1

Difference
Dev - Ref, Dynamic Range



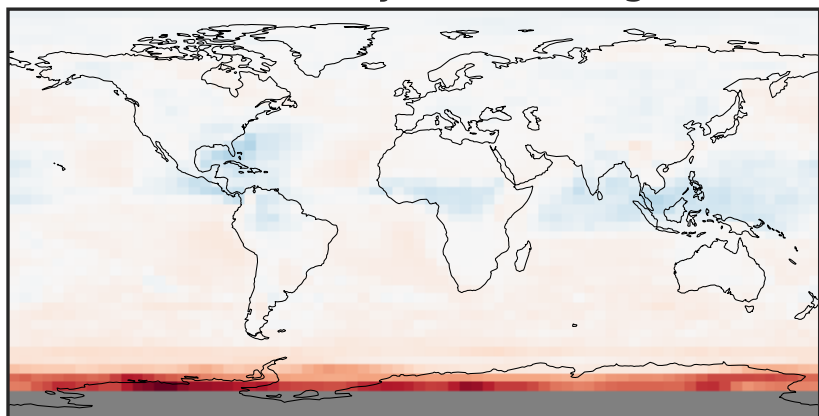
-1 0 1 $1e-7$
s-1

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



-4 0 4 $1e-8$
s-1

Ratio
Dev/Ref, Dynamic Range



0.8173 0.9086 1.0000 1.1118 1.2236
unitless

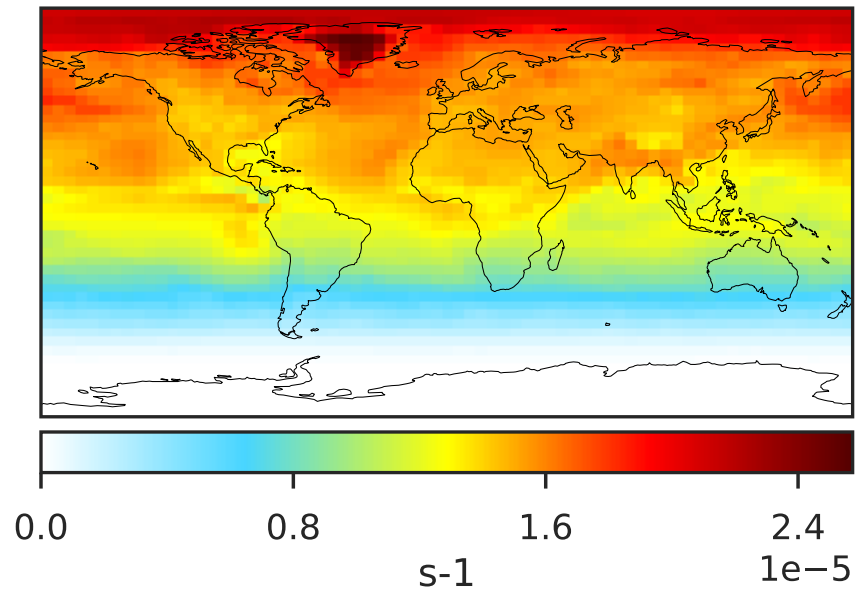
Ratio
Dev/Ref, Fixed Range



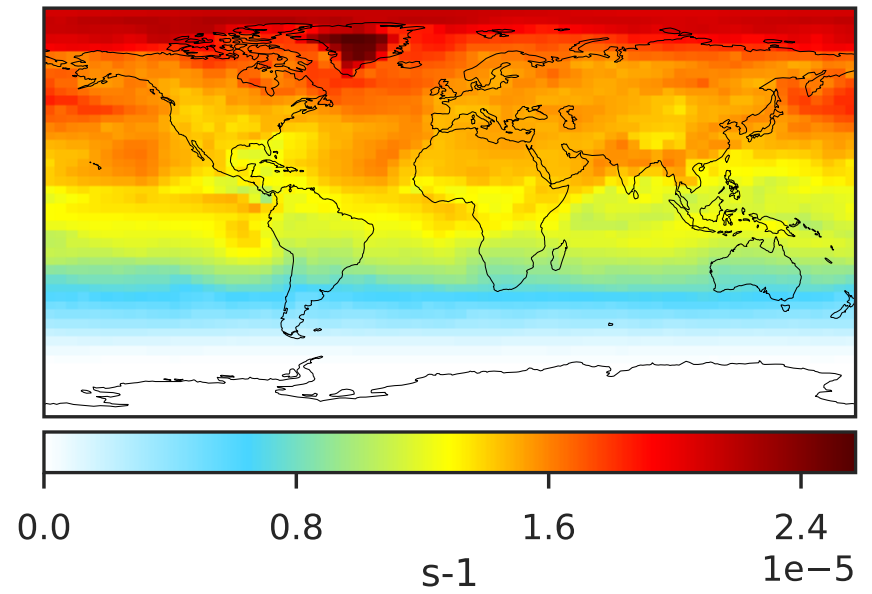
0.50 0.75 1.00 1.50 2.00
unitless

Jval_BALD (Jul2019)

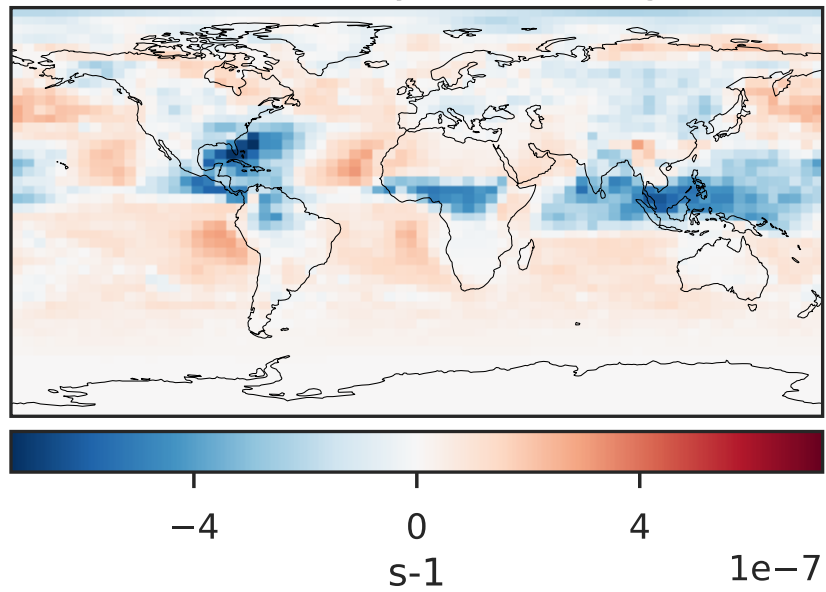
14.2.0-rc.2 (Ref)
4.0x5.0



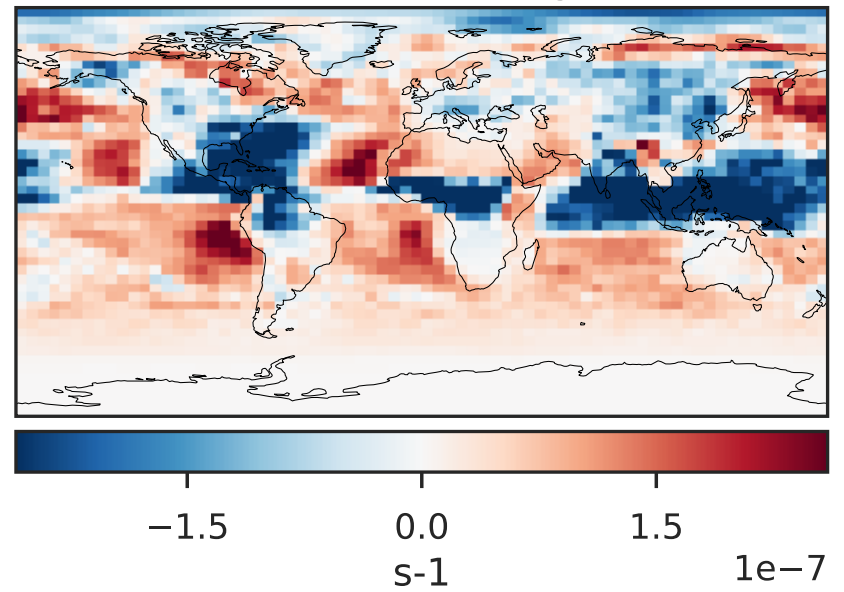
14.3.0-rc.0 (Dev)
4.0x5.0



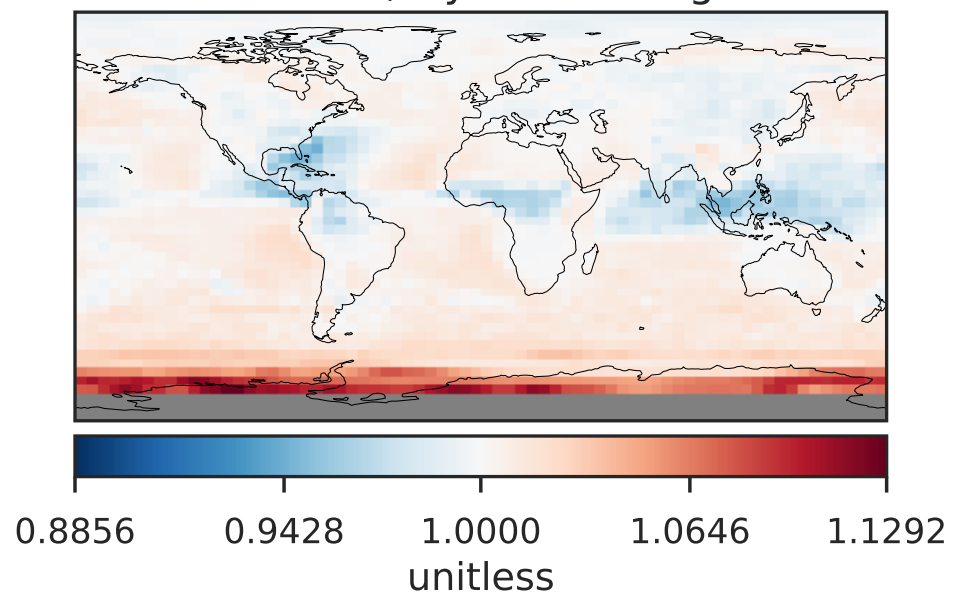
Difference
Dev - Ref, Dynamic Range



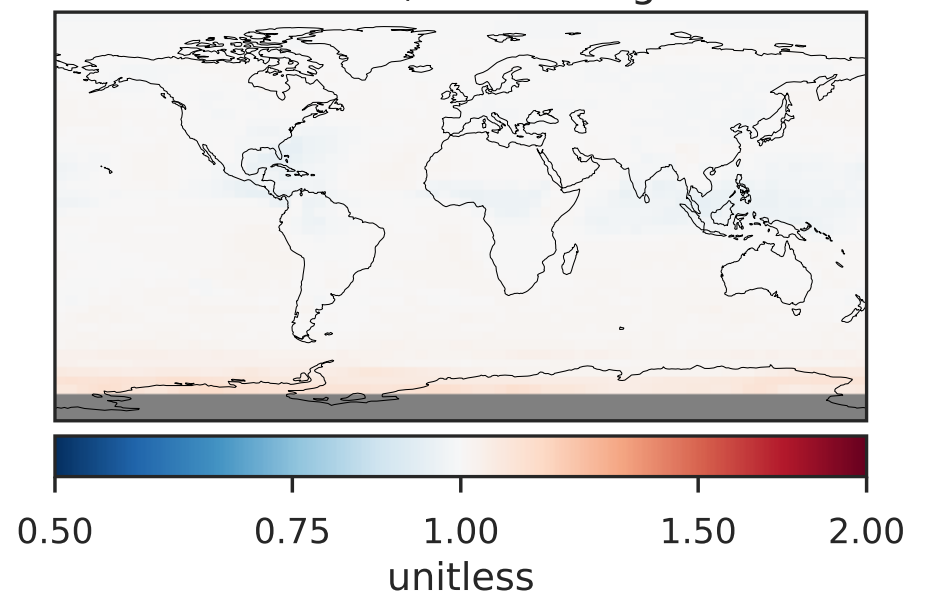
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

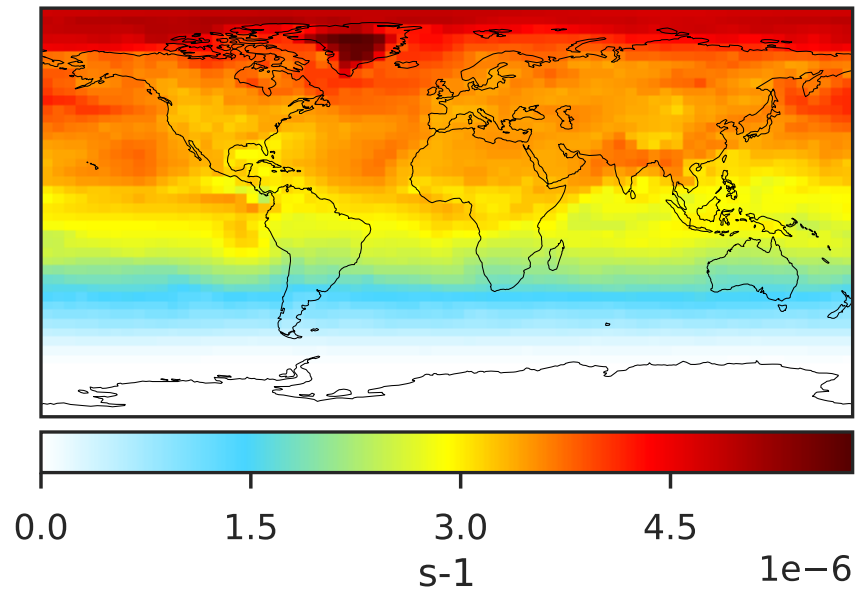


Ratio
Dev/Ref, Fixed Range

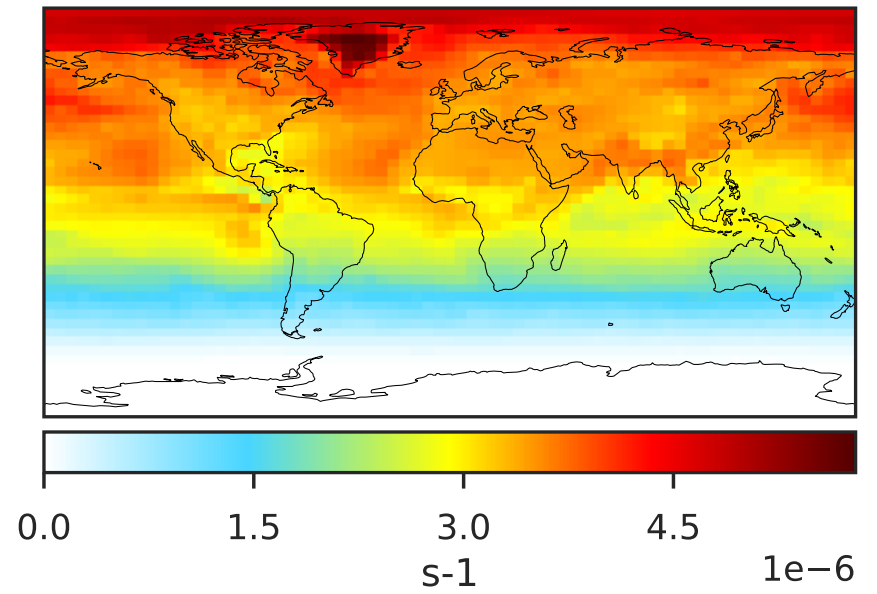


Jval_BENZP (Jul2019)

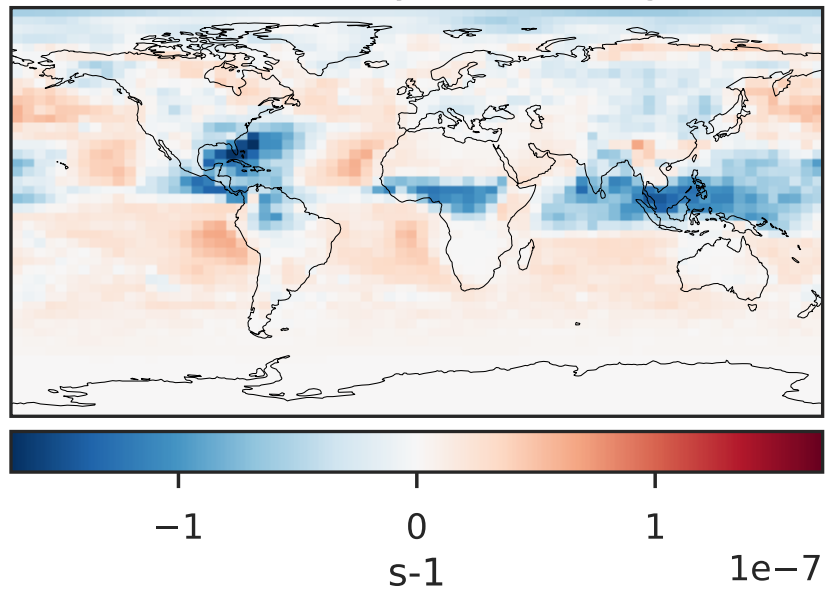
14.2.0-rc.2 (Ref)
4.0x5.0



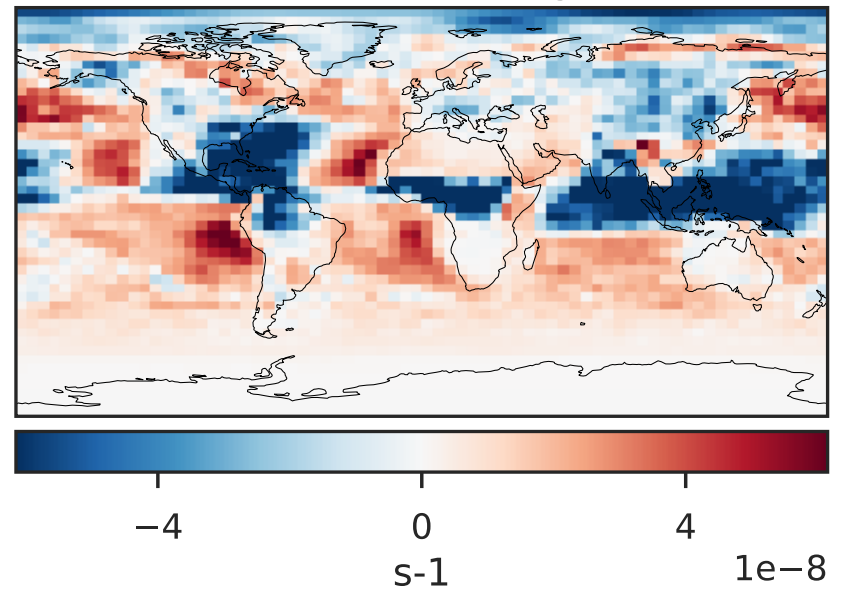
14.3.0-rc.0 (Dev)
4.0x5.0



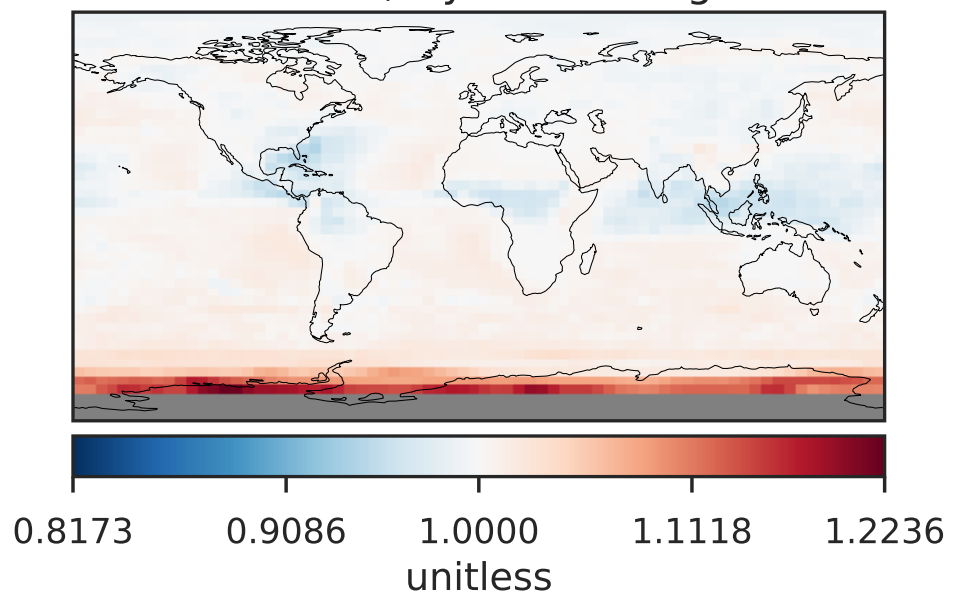
Difference
Dev - Ref, Dynamic Range



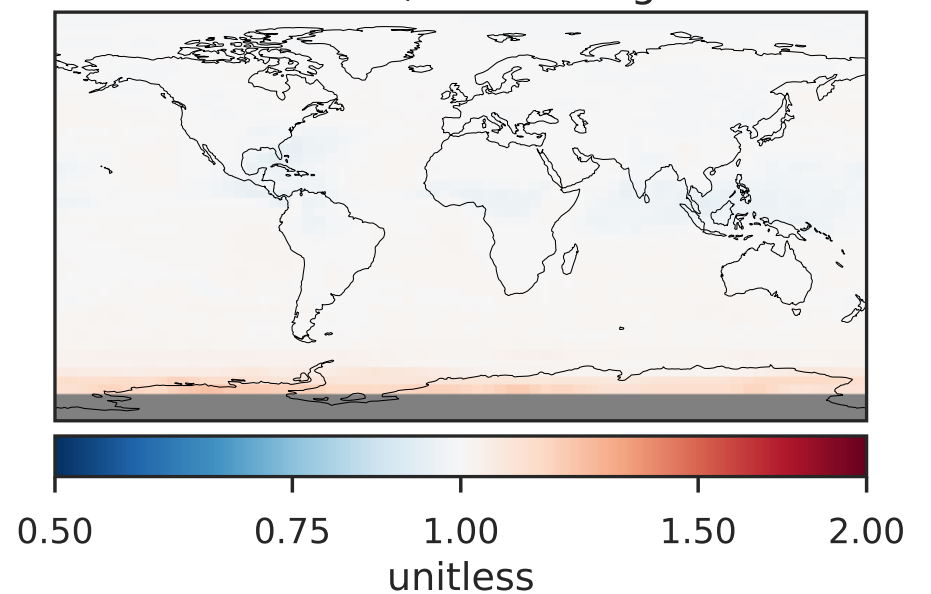
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

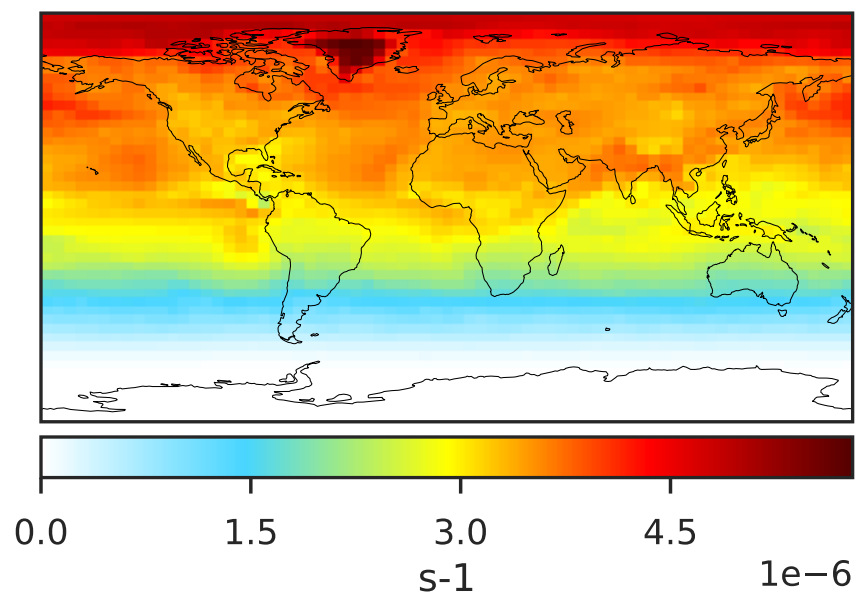


Ratio
Dev/Ref, Fixed Range

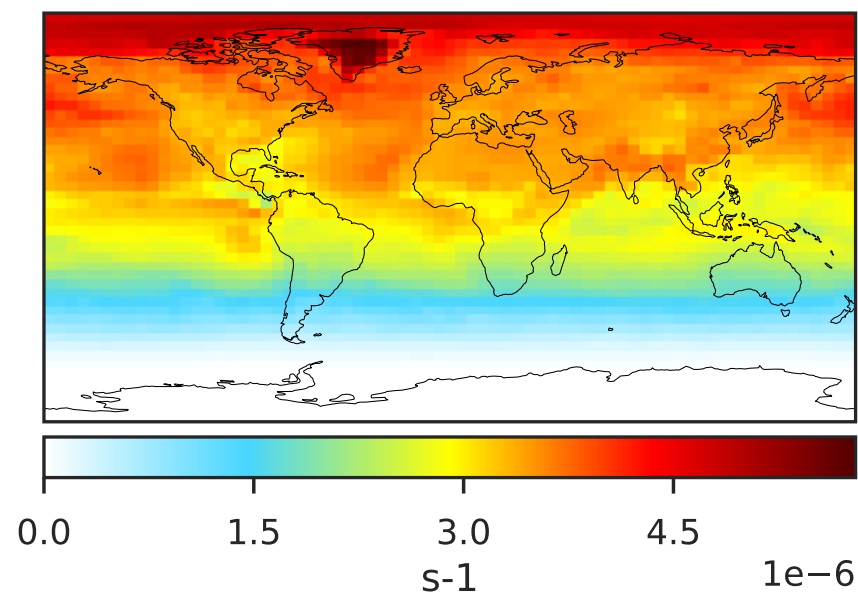


Jval_BZCO3H (Jul2019)

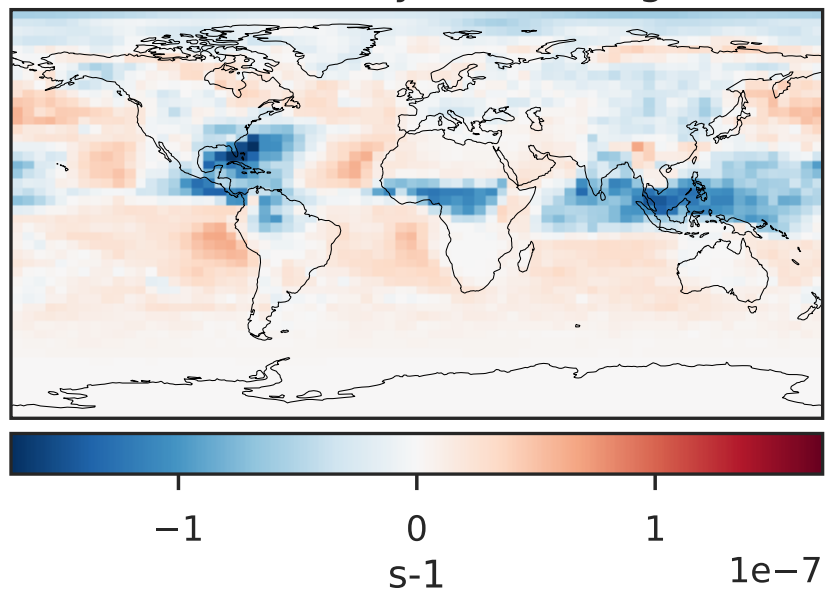
14.2.0-rc.2 (Ref)
4.0x5.0



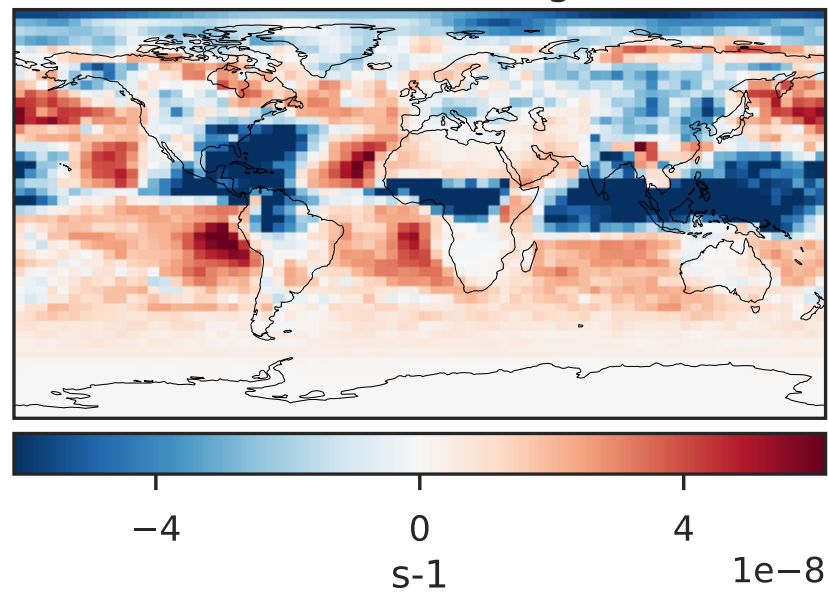
14.3.0-rc.0 (Dev)
4.0x5.0



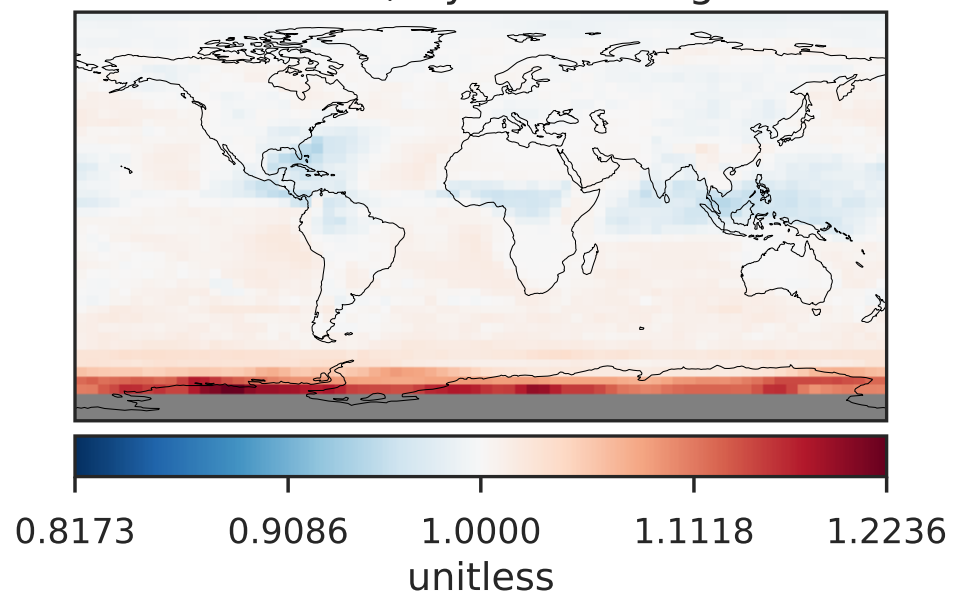
Difference
Dev - Ref, Dynamic Range



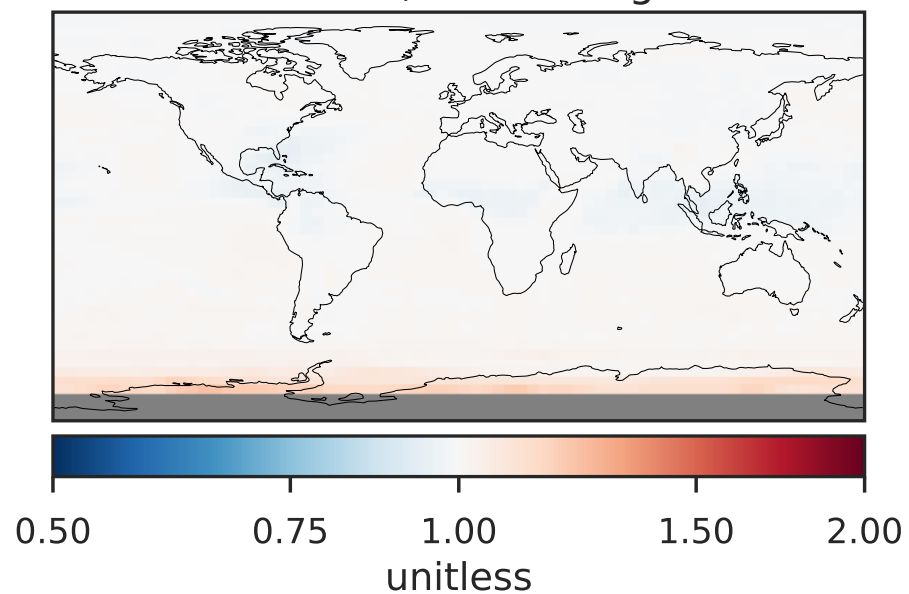
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

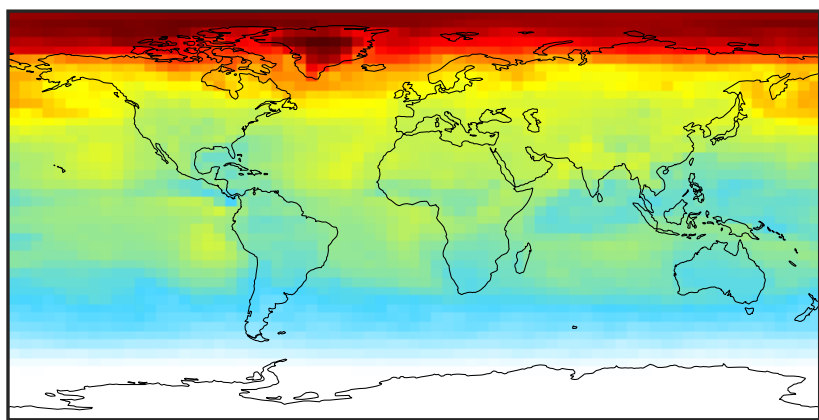


Ratio
Dev/Ref, Fixed Range



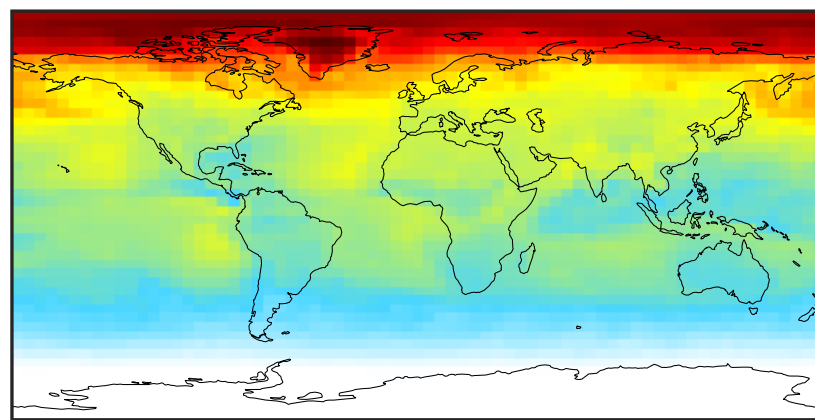
Jval_Br2 (Jul2019)

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



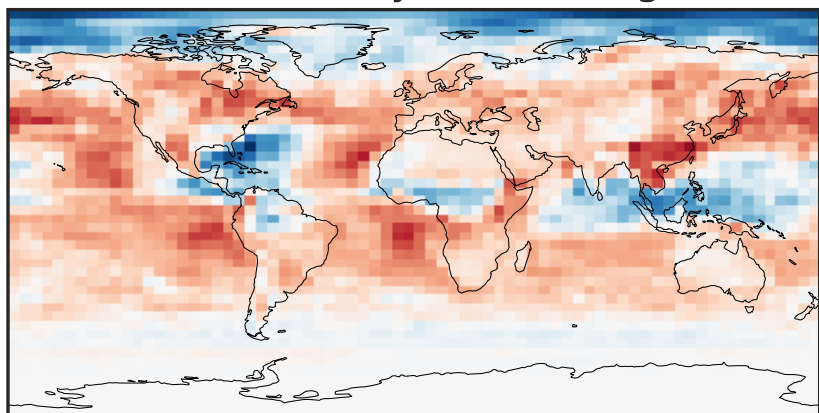
0.000 0.015 0.030 0.045
s-1

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



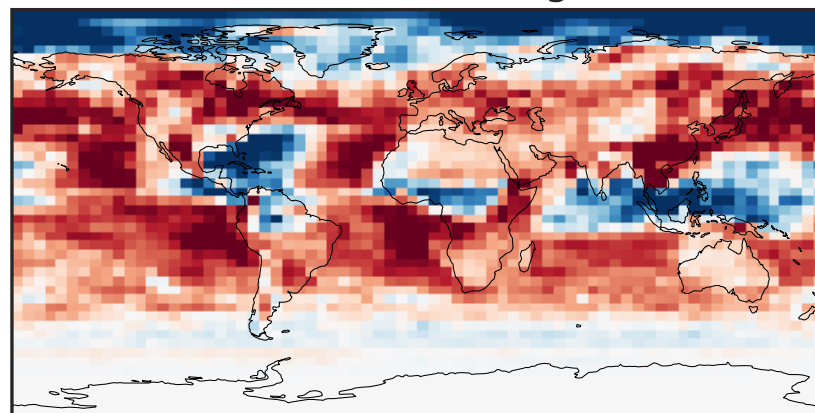
0.000 0.015 0.030 0.045
s-1

Difference
Dev - Ref, Dynamic Range



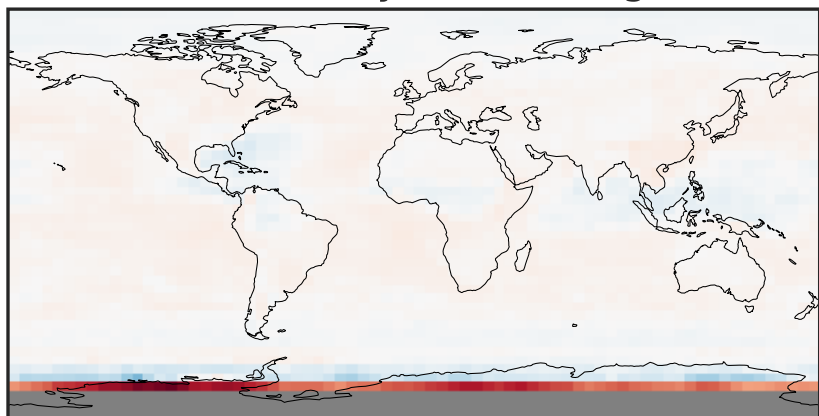
-0.0005 0.0000 0.0005
s-1

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



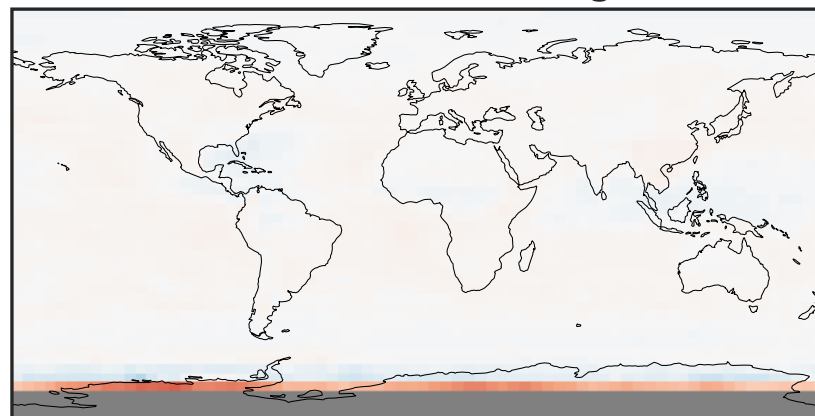
-0.00025 0.00000 0.00025
s-1

Ratio
Dev/Ref, Dynamic Range



0.6597 0.8299 1.0000 1.2579 1.5158
unitless

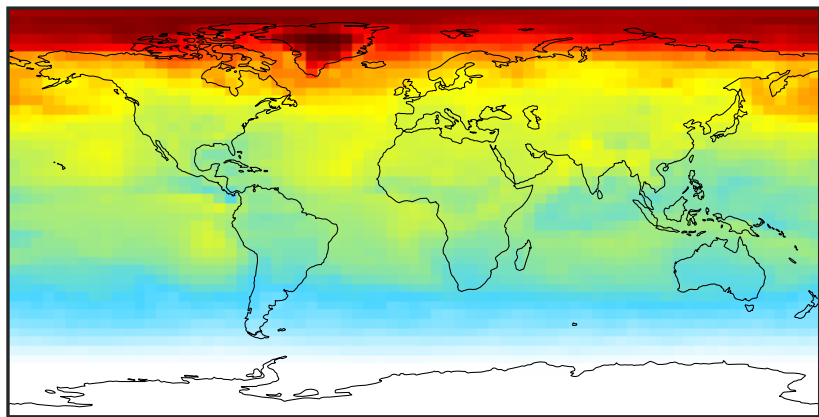
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

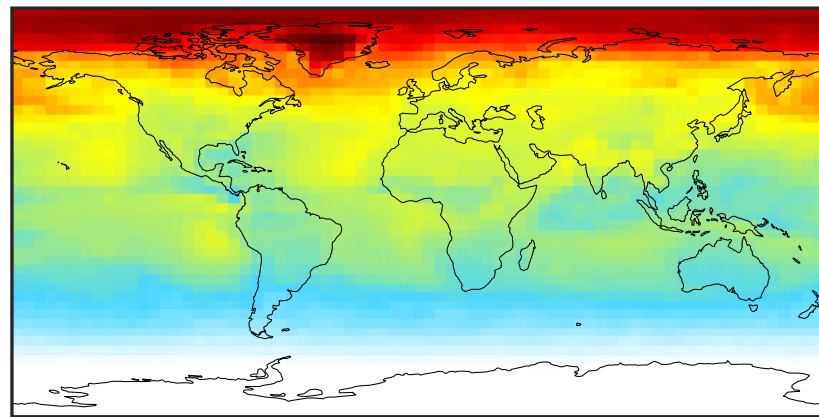
Jval_BrCl (Jul2019)

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



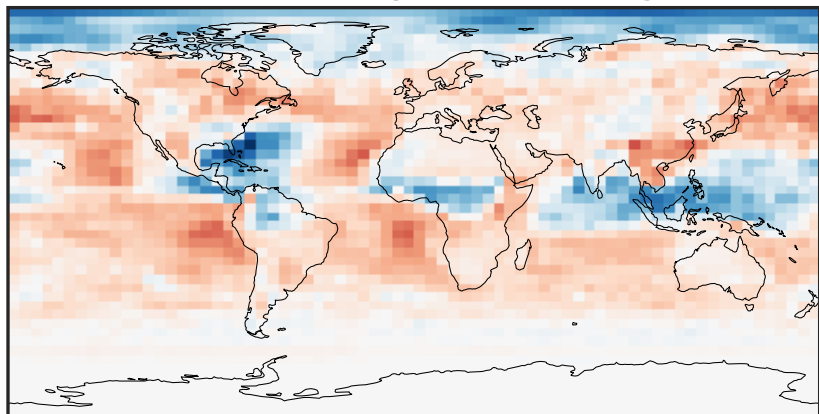
0.000 0.004 0.008 0.012
s-1

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



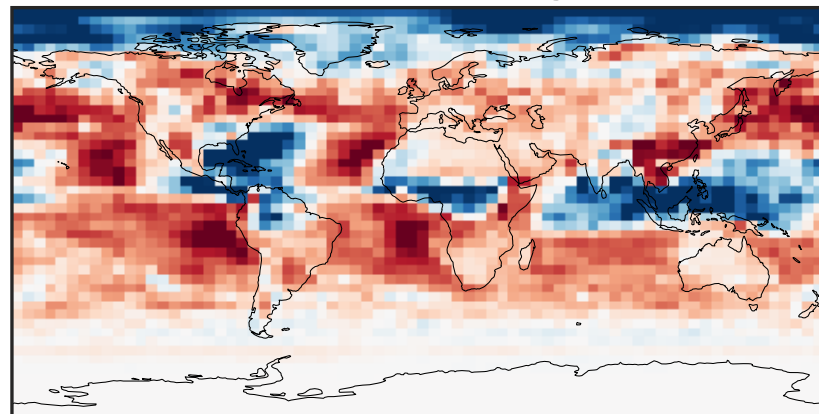
0.000 0.004 0.008 0.012
s-1

Difference
Dev - Ref, Dynamic Range



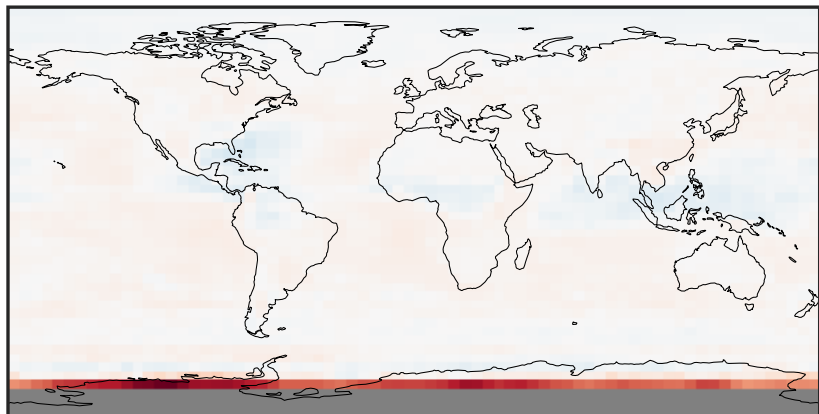
-0.00015 0.00000 0.00015
s-1

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



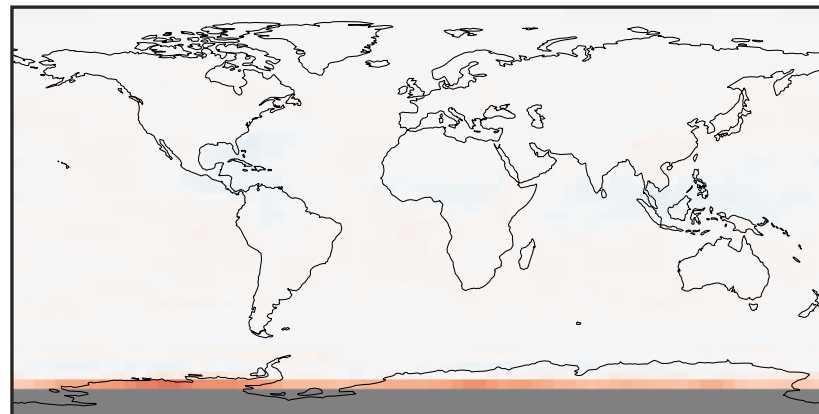
-8 0 8
s-1 1e-5

Ratio
Dev/Ref, Dynamic Range



0.6918 0.8459 1.0000 1.2228 1.4456
unitless

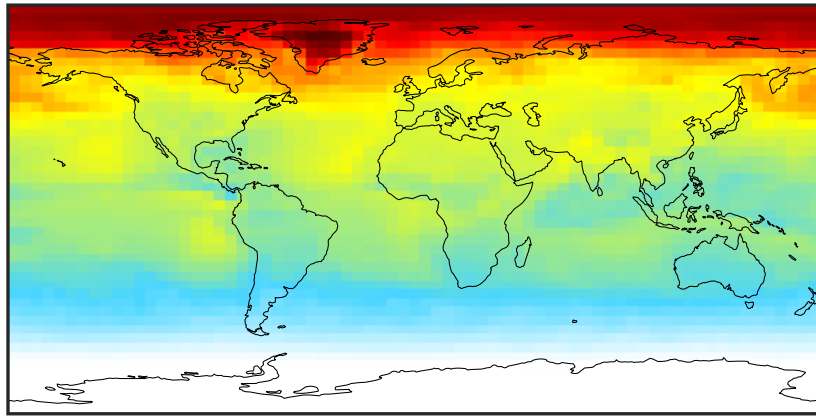
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

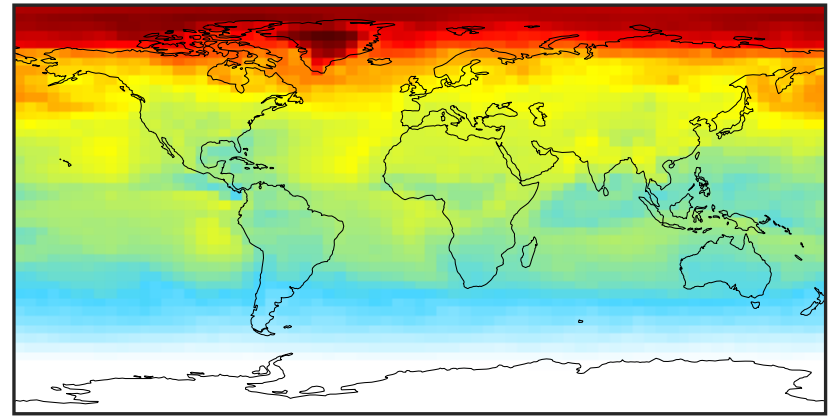
Jval_BrNO2 (Jul2019)

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



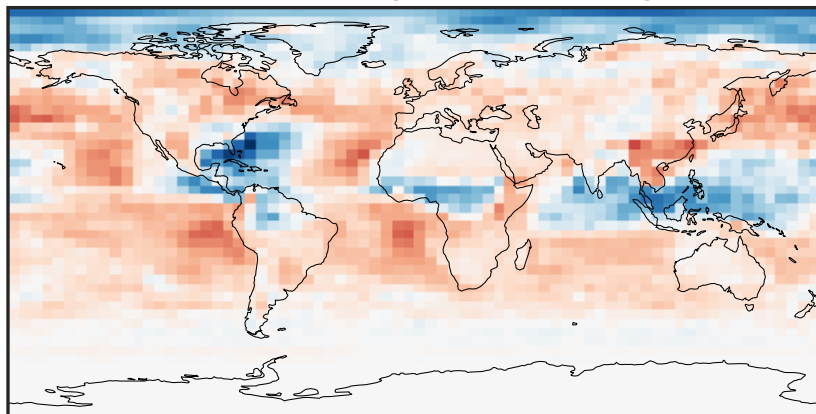
0.0000 0.0025 0.0050 0.0075
s-1

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



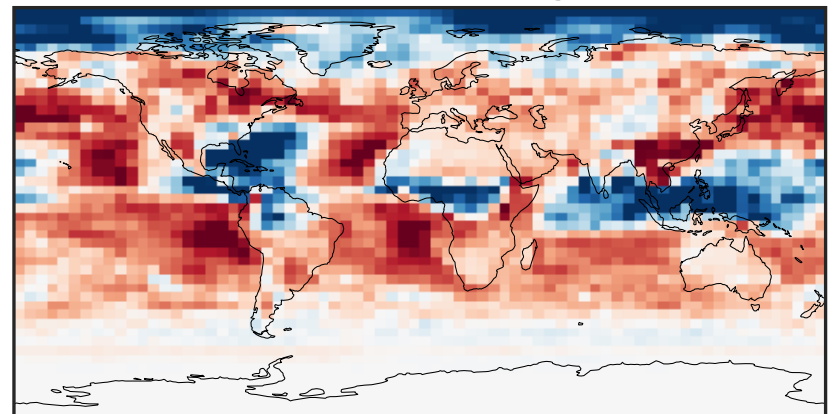
0.0000 0.0025 0.0050 0.0075
s-1

Difference
Dev - Ref, Dynamic Range



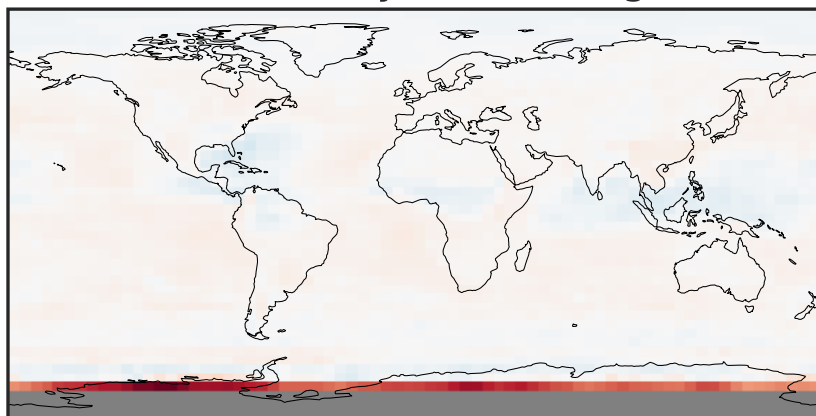
-0.0001 0.0000 0.0001
s-1

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



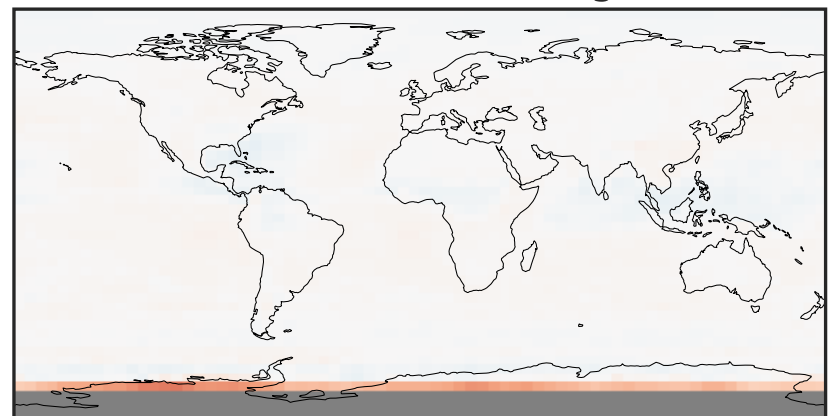
-5 0 5
s-1 1e-5

Ratio
Dev/Ref, Dynamic Range



0.6930 0.8465 1.0000 1.2215 1.4431
unitless

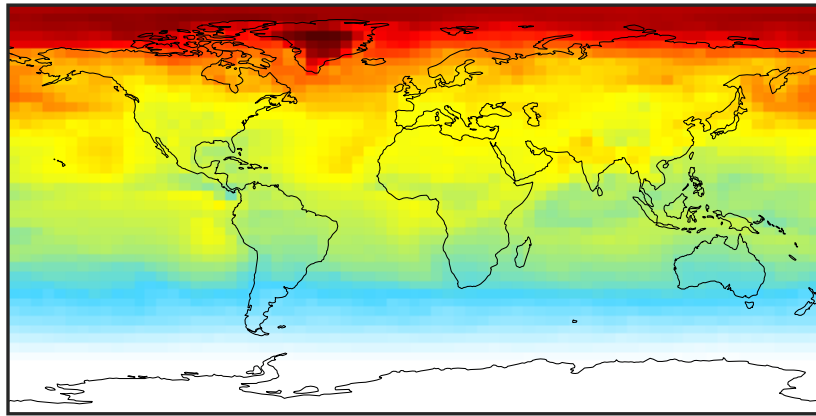
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

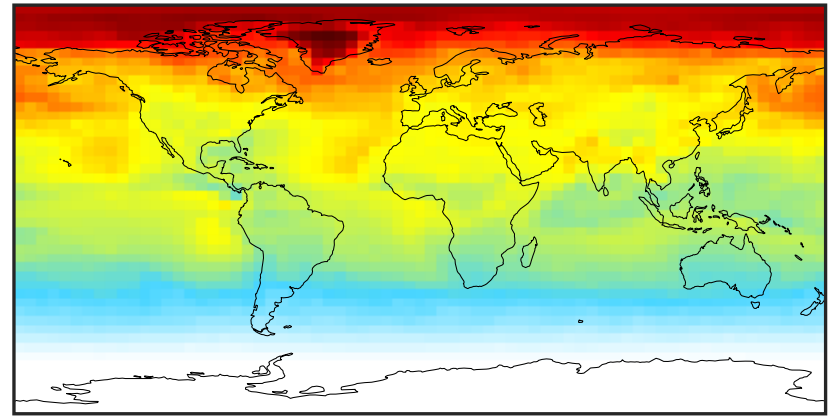
Jval_BrNO3 (Jul2019)

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



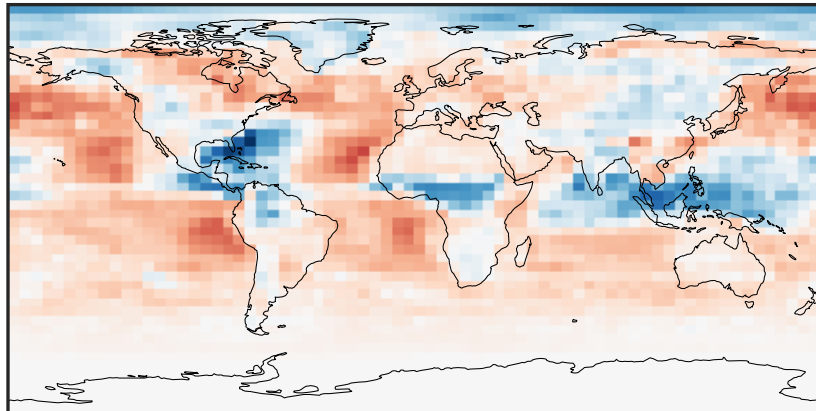
0.0000 0.0005 0.0010 0.0015
s-1

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



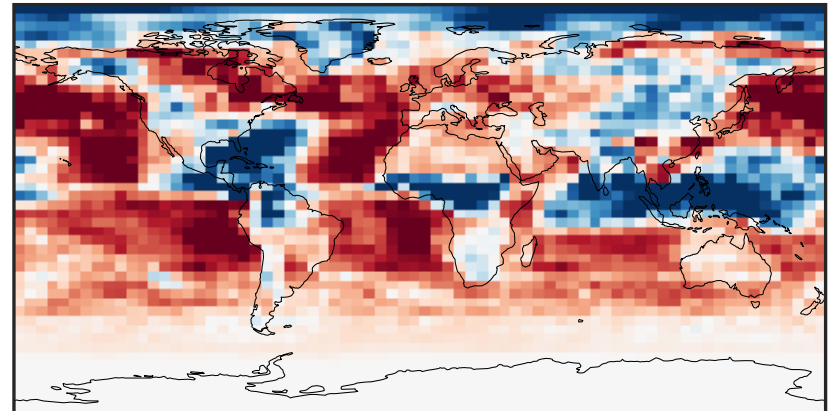
0.0000 0.0005 0.0010 0.0015
s-1

Difference
Dev - Ref, Dynamic Range



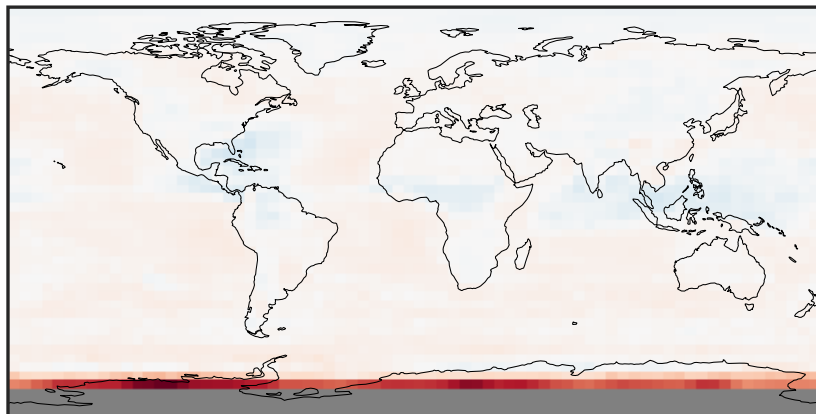
-2 0 2
s-1 1e-5

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



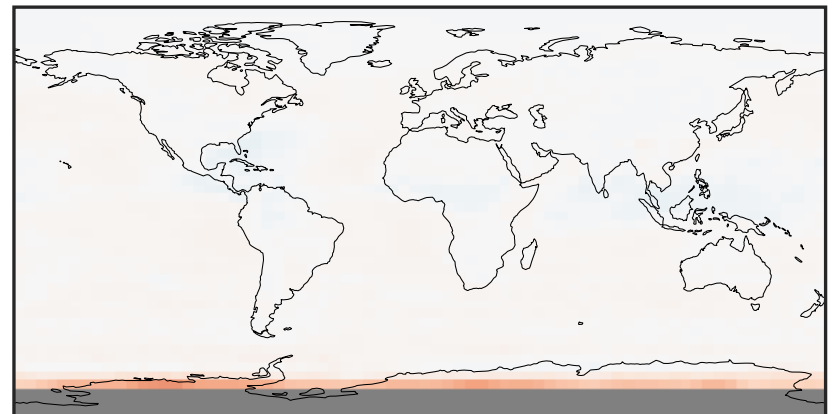
-8 0 8
s-1 1e-6

Ratio
Dev/Ref, Dynamic Range



0.7328 0.8664 1.0000 1.1823 1.3646
unitless

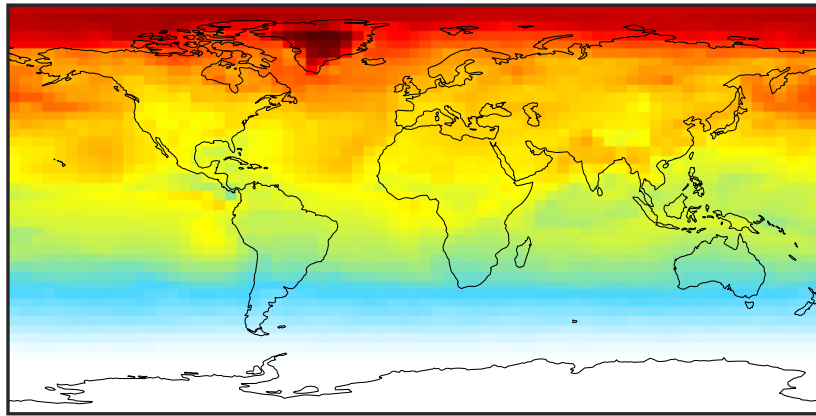
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

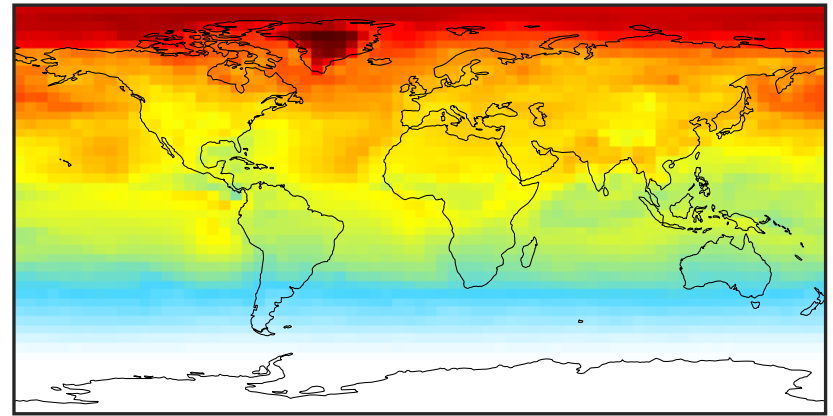
Jval_BrO (Jul2019)

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



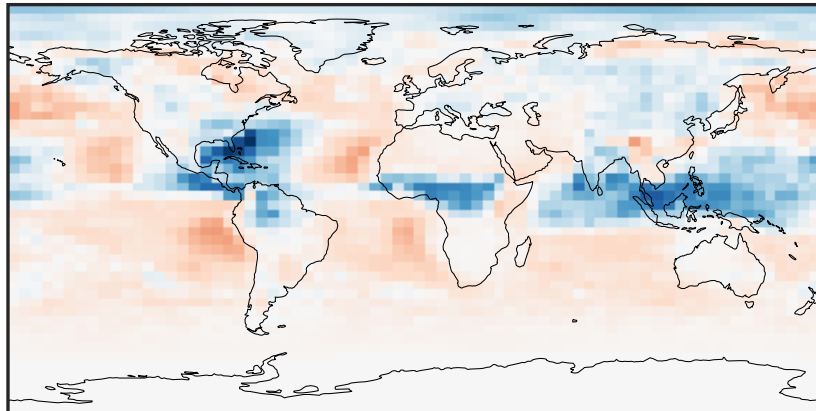
0.000 0.015 0.030
s-1

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



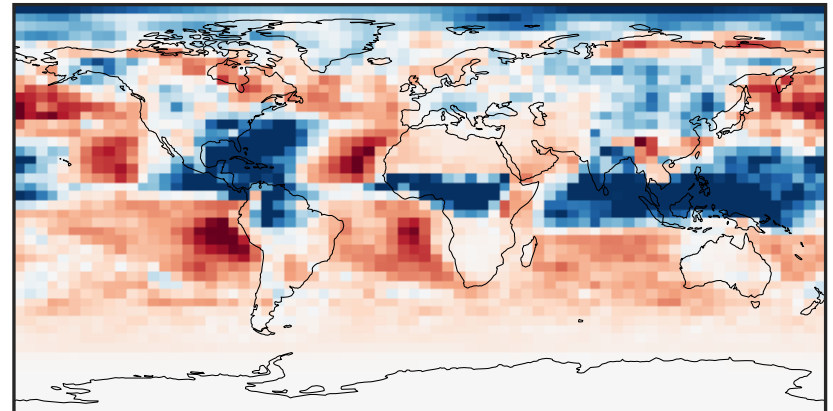
0.000 0.015 0.030
s-1

Difference
Dev - Ref, Dynamic Range



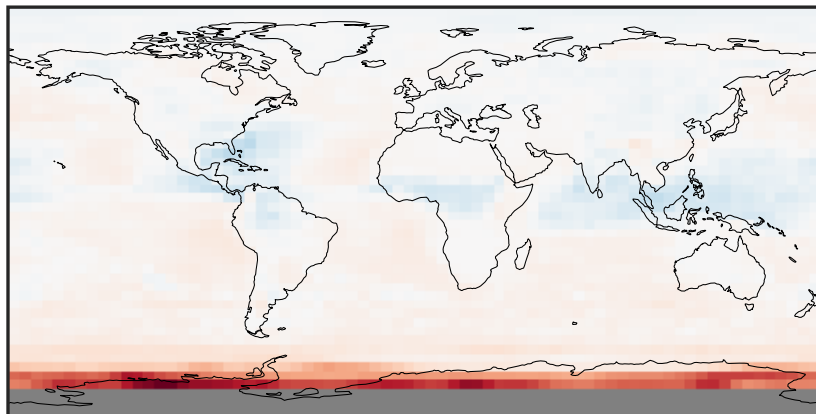
-0.0006 0.0000 0.0006
s-1

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



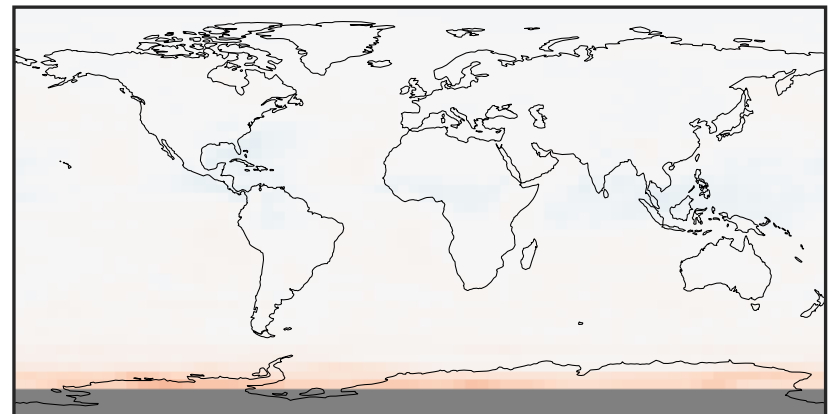
-0.00025 0.00000 0.00025
s-1

Ratio
Dev/Ref, Dynamic Range



0.7996 0.8998 1.0000 1.1253 1.2506
unitless

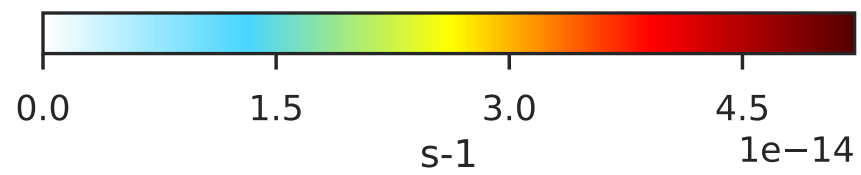
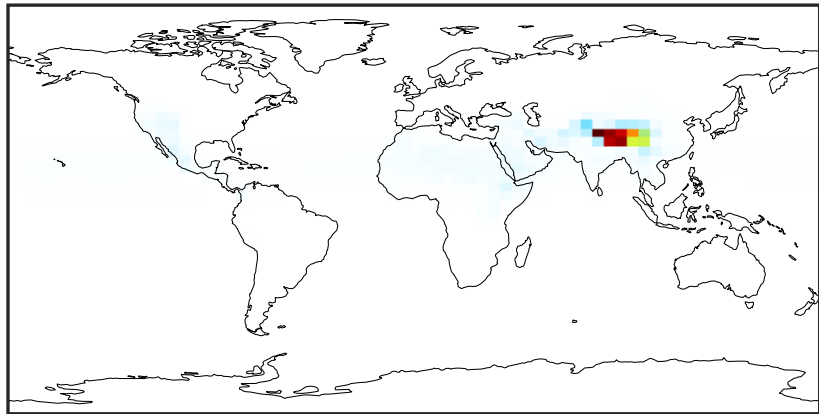
Ratio
Dev/Ref, Fixed Range



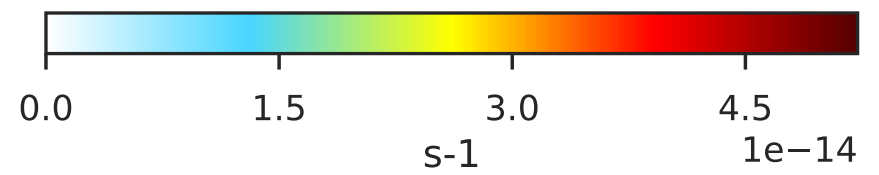
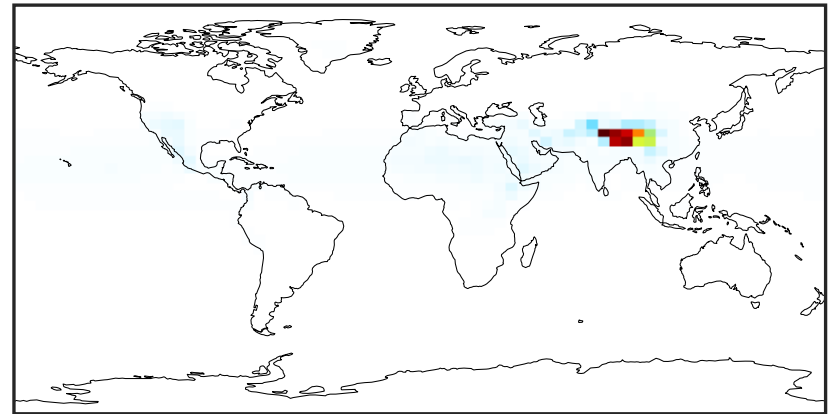
0.50 0.75 1.00 1.50 2.00
unitless

Jval_CCI4 (Jul2019)

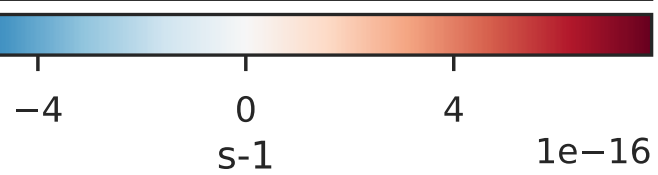
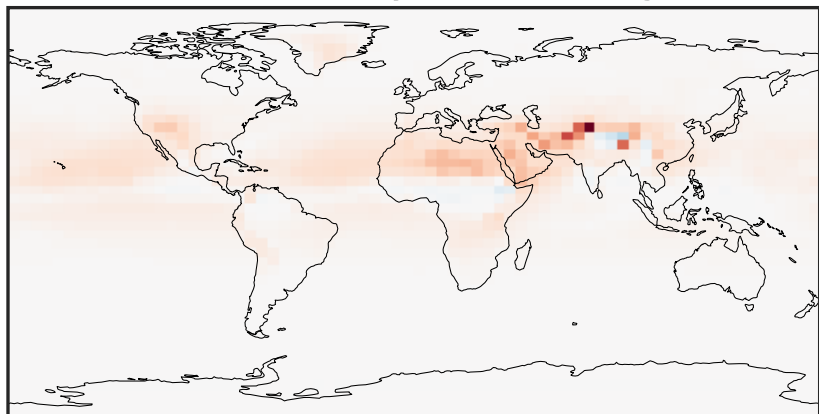
14.2.0-rc.2 (Ref)
4.0x5.0



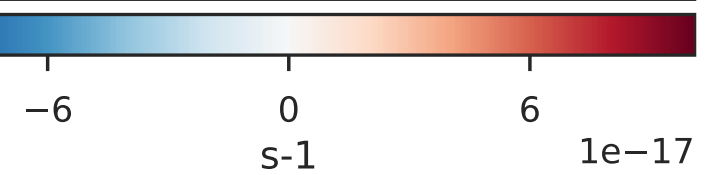
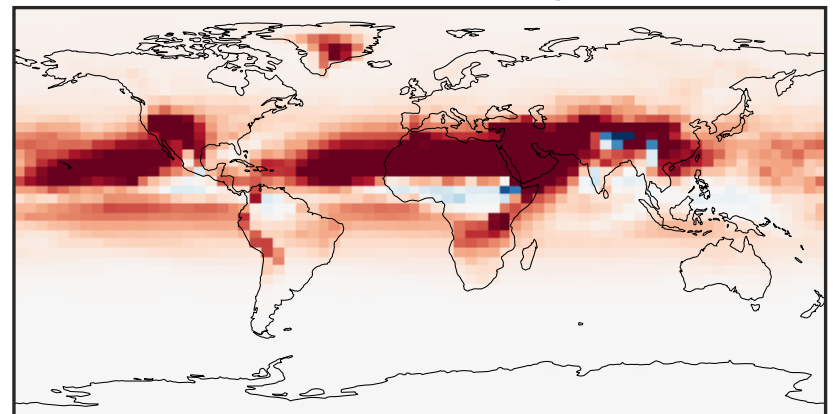
14.3.0-rc.0 (Dev)
4.0x5.0



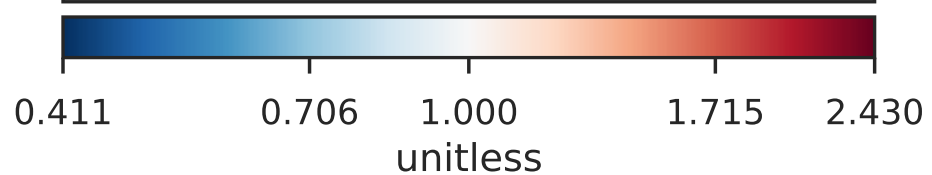
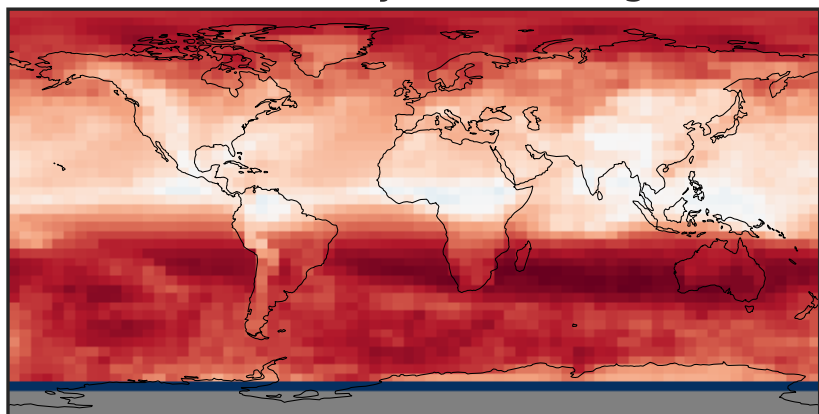
Difference
Dev - Ref, Dynamic Range



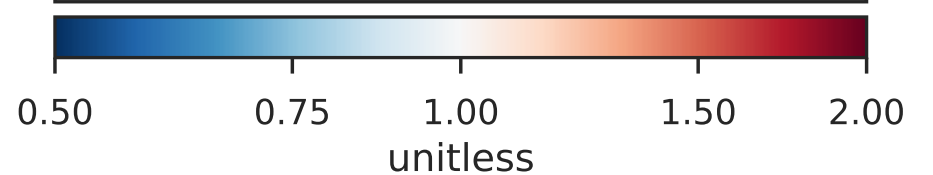
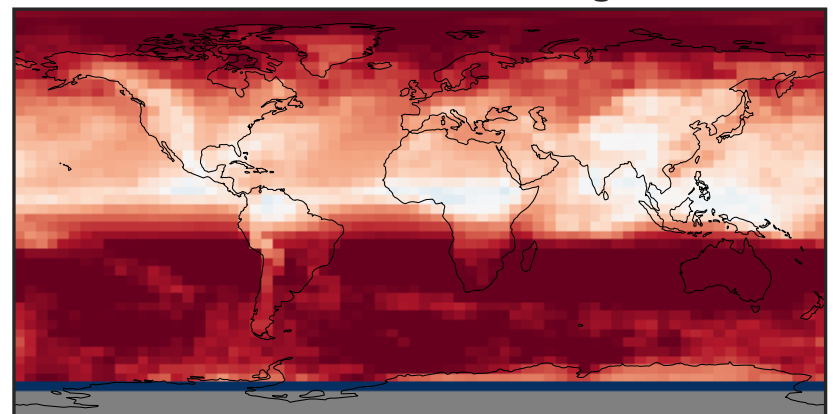
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

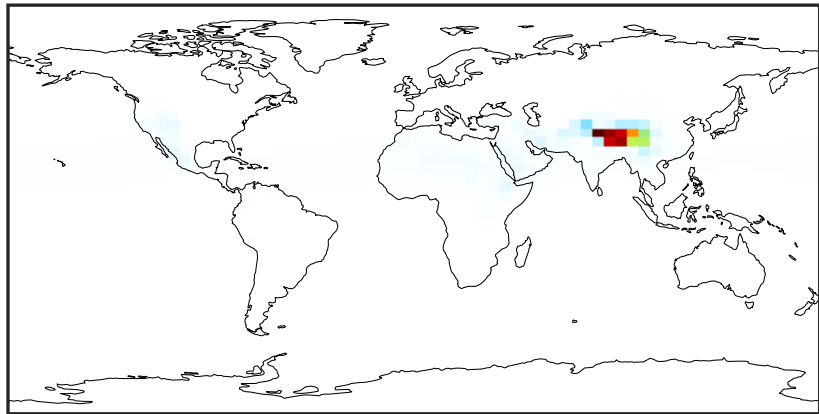


Ratio
Dev/Ref, Fixed Range



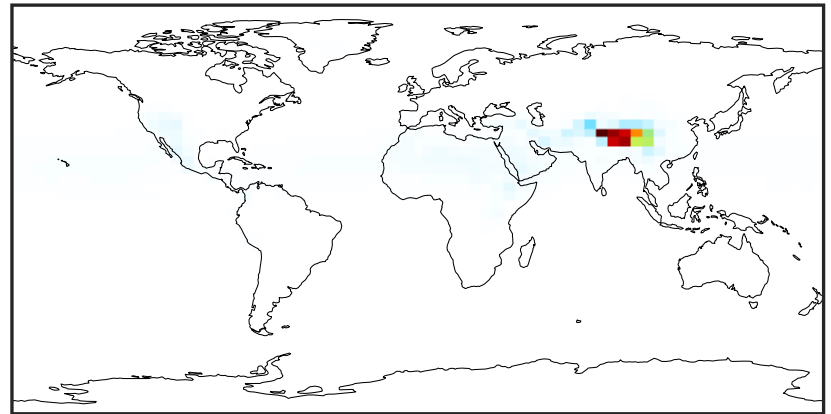
Jval_CFC11 (Jul2019)

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



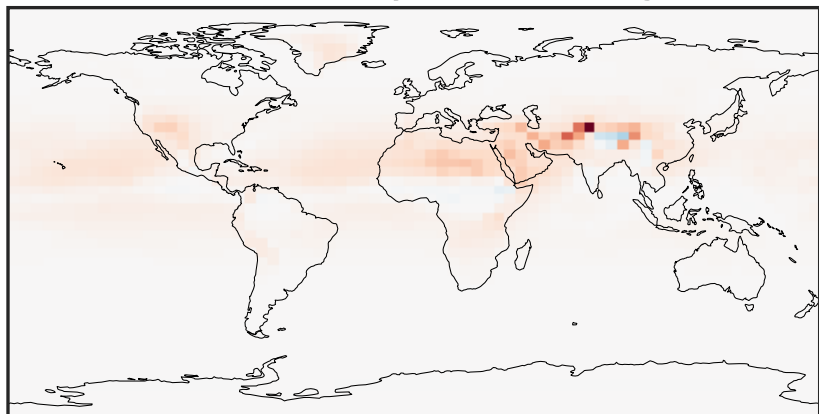
0.0 0.8 1.6 2.4
s-1 $1e-14$

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



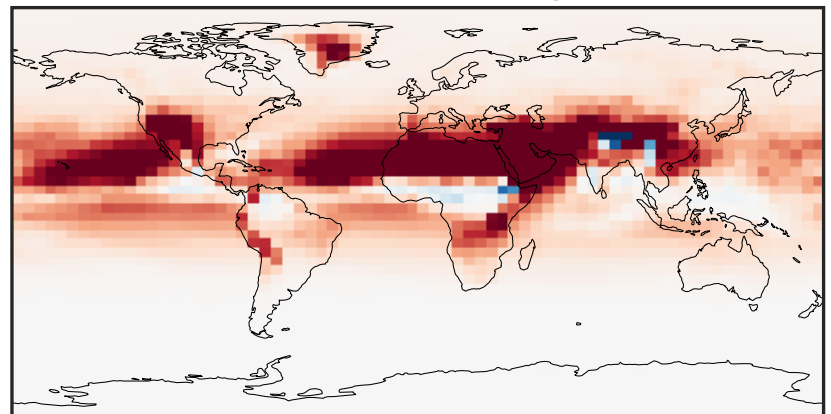
0.0 0.8 1.6 2.4
s-1 $1e-14$

Difference
Dev - Ref, Dynamic Range



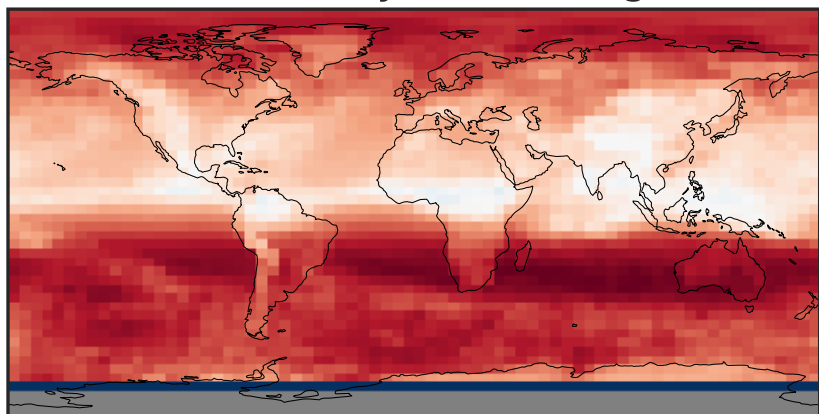
-2.5 0.0 2.5
s-1 $1e-16$

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



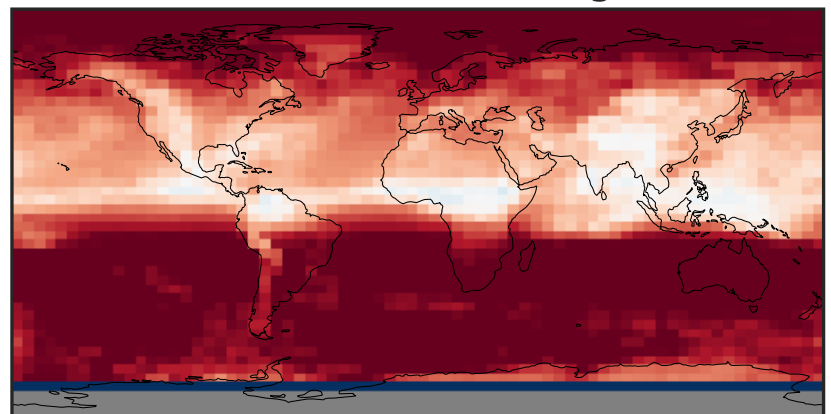
-2.5 0.0 2.5
s-1 $1e-17$

Ratio
Dev/Ref, Dynamic Range



0.382 0.691 1.000 1.809 2.619
unitless

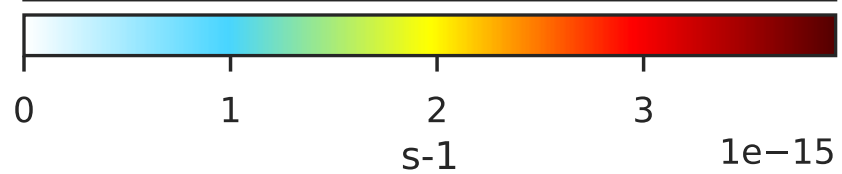
Ratio
Dev/Ref, Fixed Range



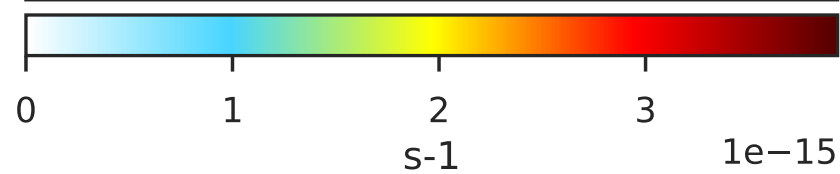
0.50 0.75 1.00 1.50 2.00
unitless

Jval_CFC113 (Jul2019)

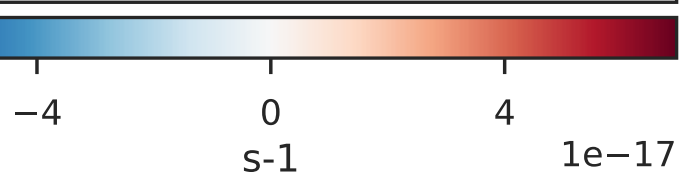
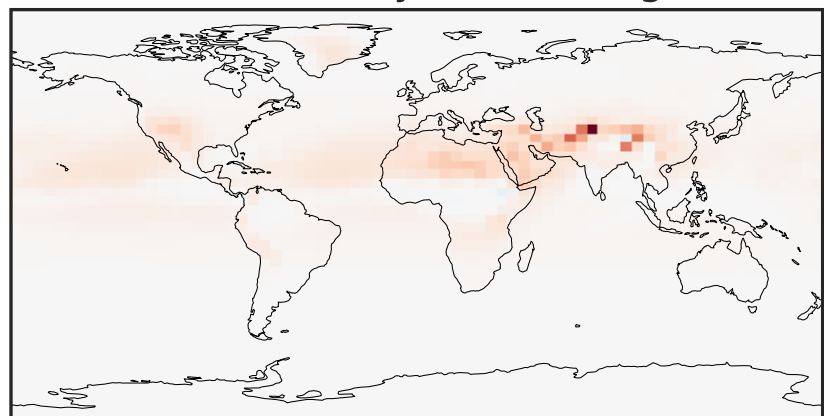
14.2.0-rc.2 (Ref)
4.0x5.0



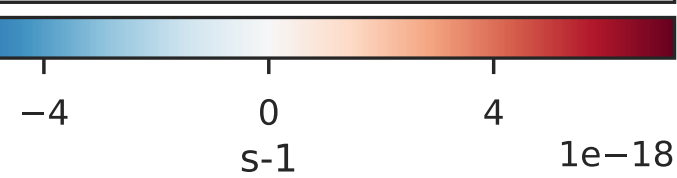
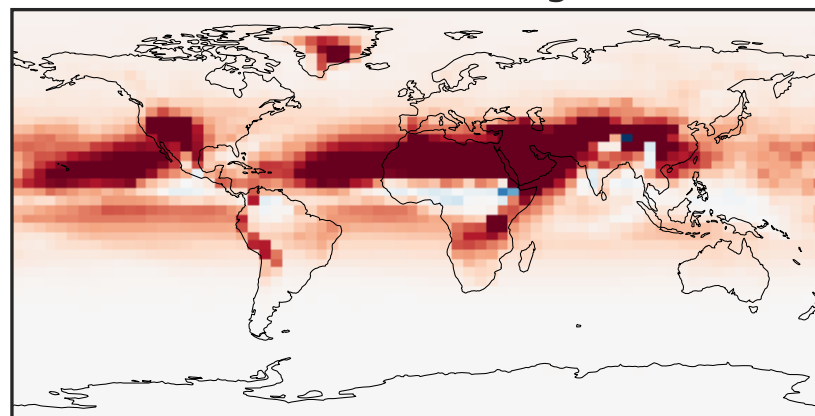
14.3.0-rc.0 (Dev)
4.0x5.0



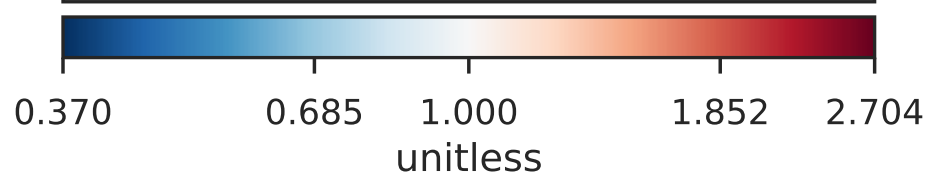
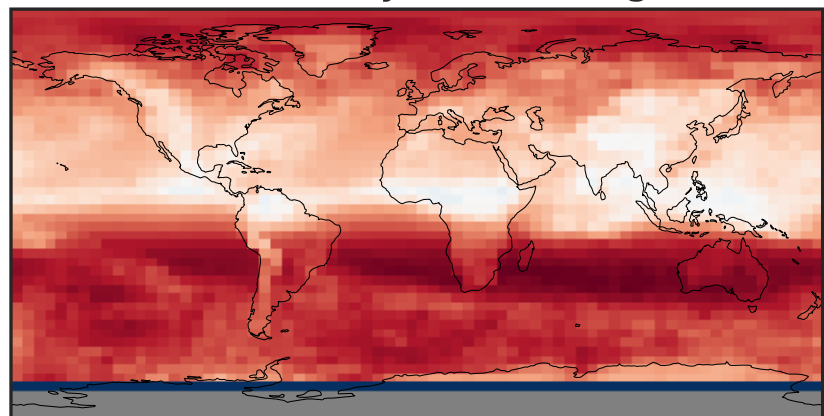
Difference
Dev - Ref, Dynamic Range



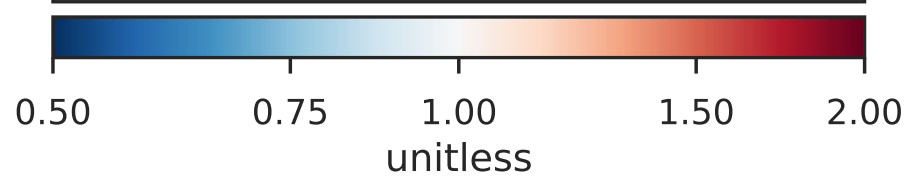
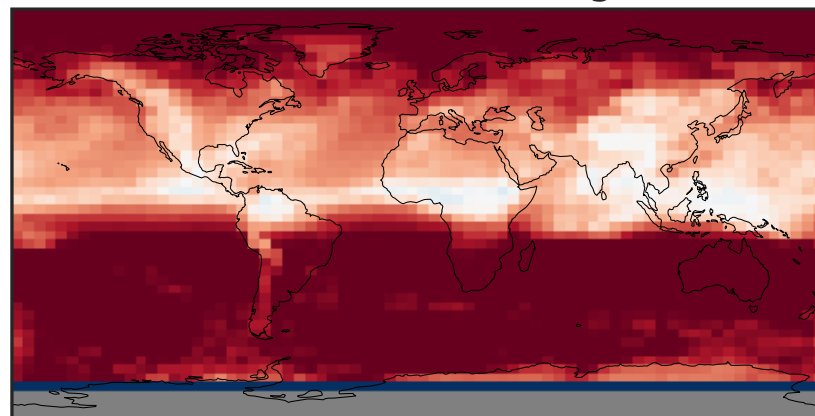
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range



Ratio
Dev/Ref, Fixed Range



Jval_CFC114 (Jul2019)

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



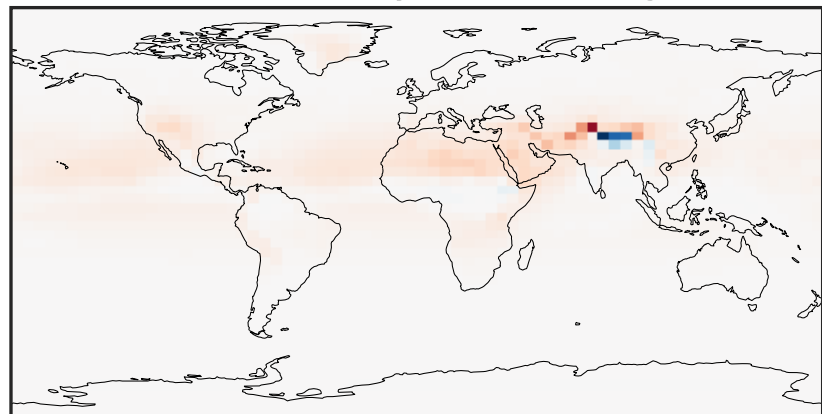
0.0 0.6 1.2 1.8
s-1 1e-16

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



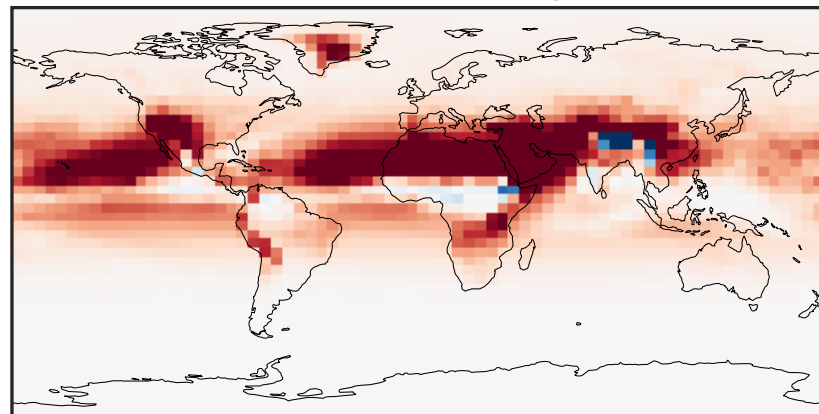
0.0 0.6 1.2 1.8
s-1 1e-16

Difference
Dev - Ref, Dynamic Range



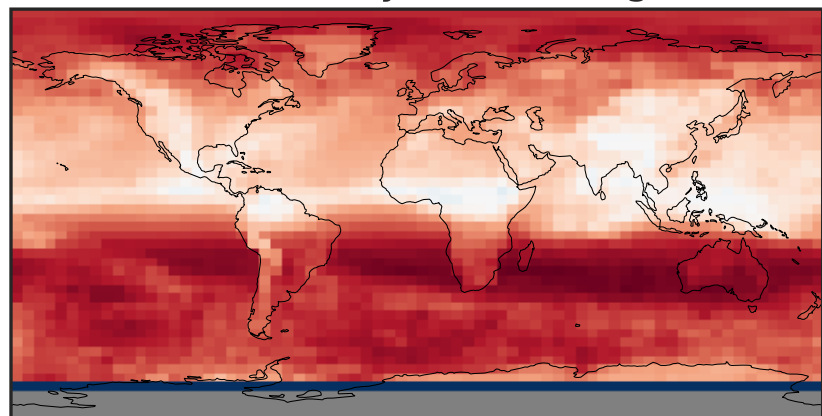
-2.5 0.0 2.5
s-1 1e-18

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



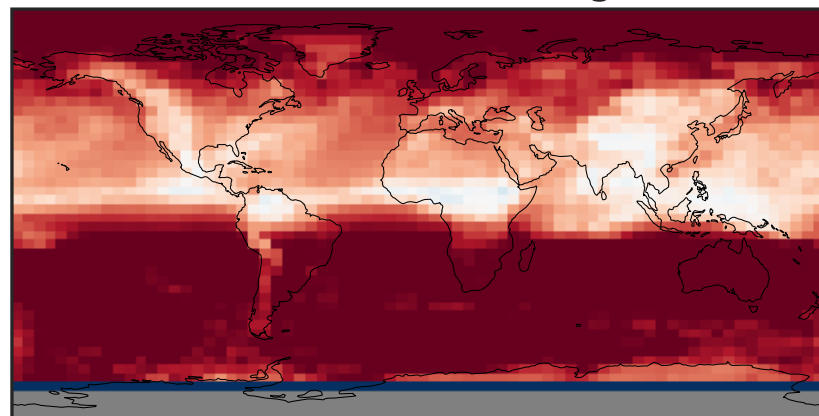
-2.5 0.0 2.5
s-1 1e-19

Ratio
Dev/Ref, Dynamic Range



0.366 0.683 1.000 1.866 2.732
unitless

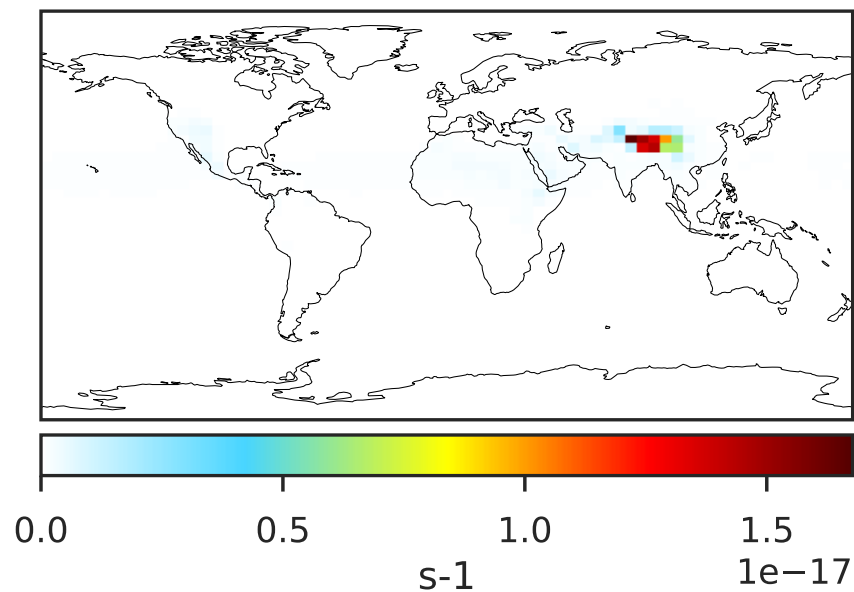
Ratio
Dev/Ref, Fixed Range



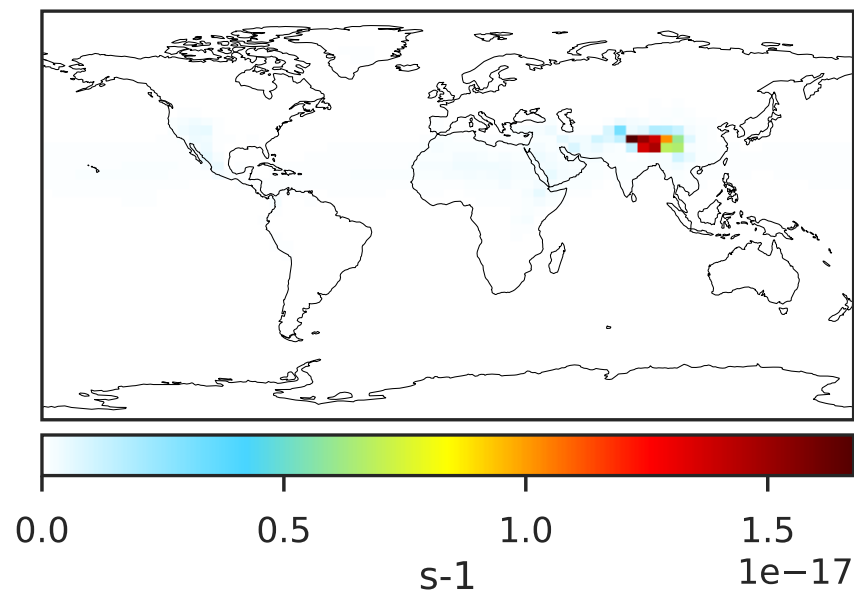
0.50 0.75 1.00 1.50 2.00
unitless

Jval_CFC115 (Jul2019)

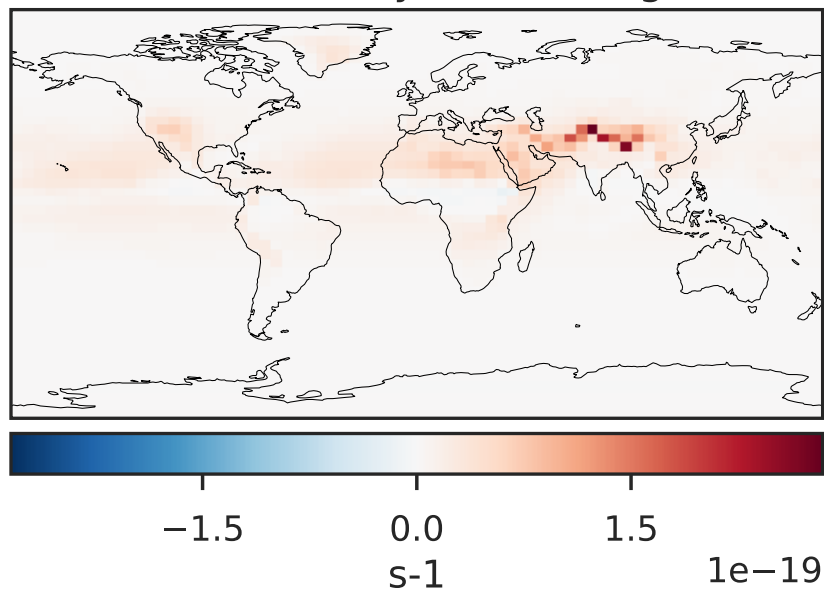
14.2.0-rc.2 (Ref)
4.0x5.0



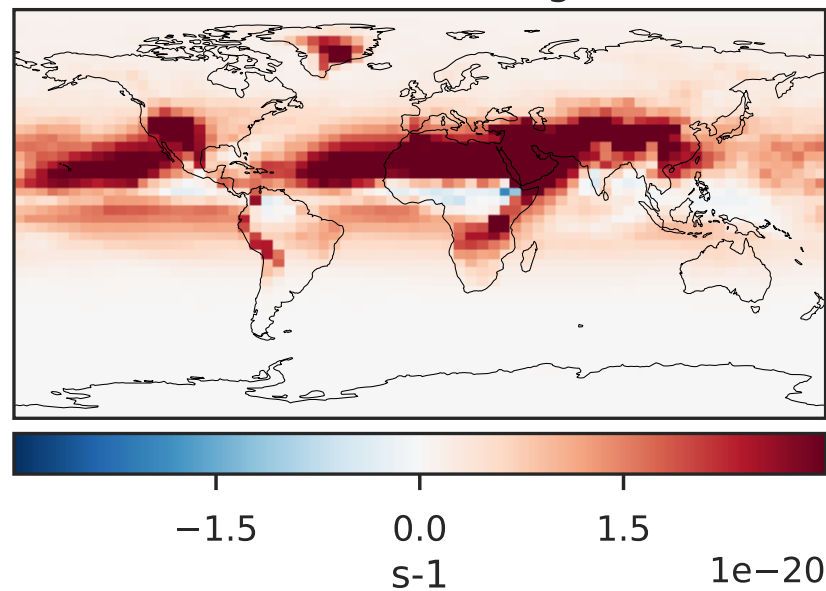
14.3.0-rc.0 (Dev)
4.0x5.0



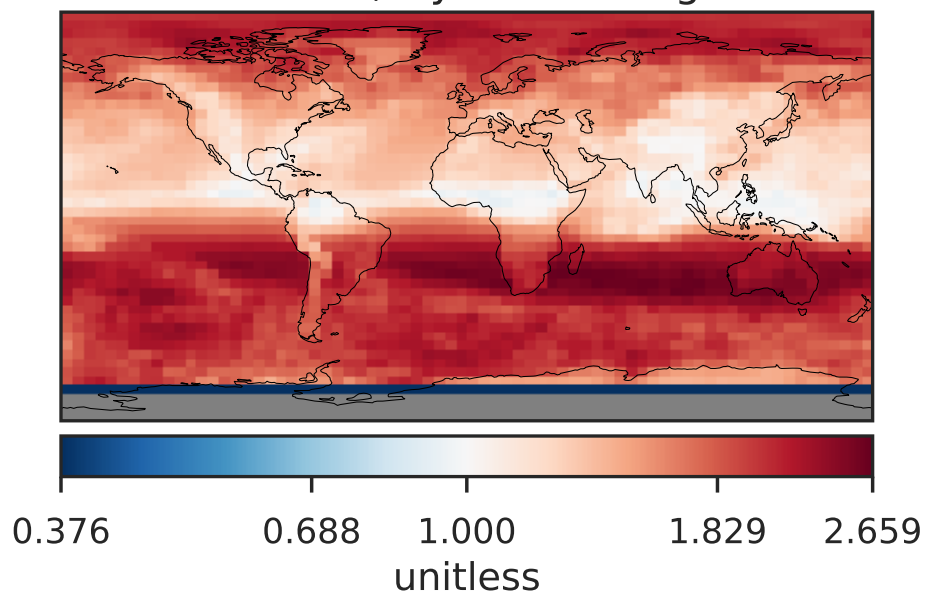
Difference
Dev - Ref, Dynamic Range



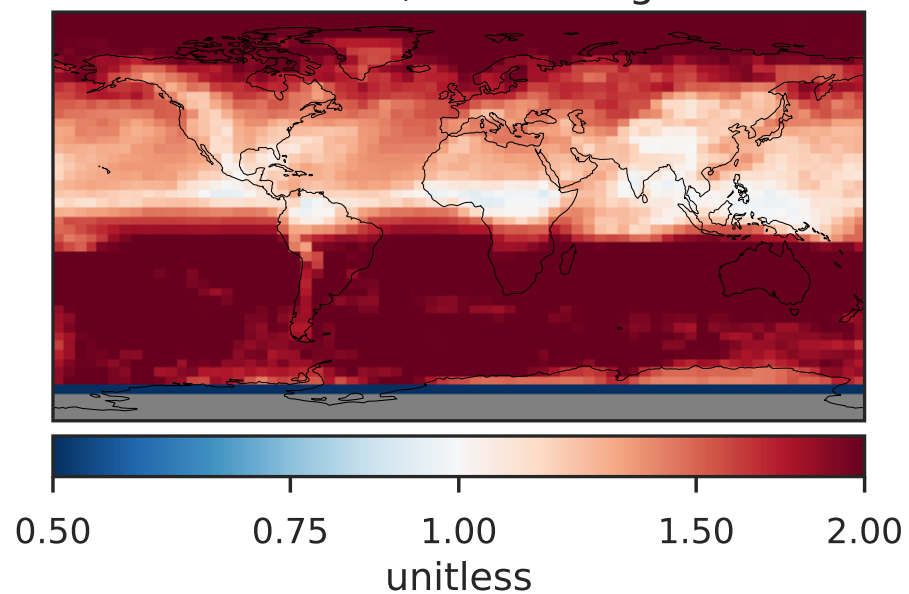
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

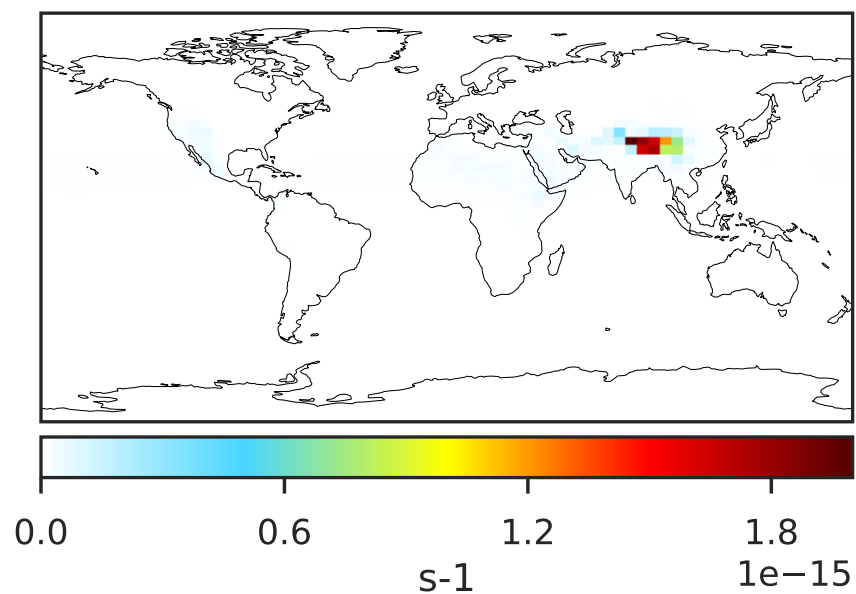


Ratio
Dev/Ref, Fixed Range

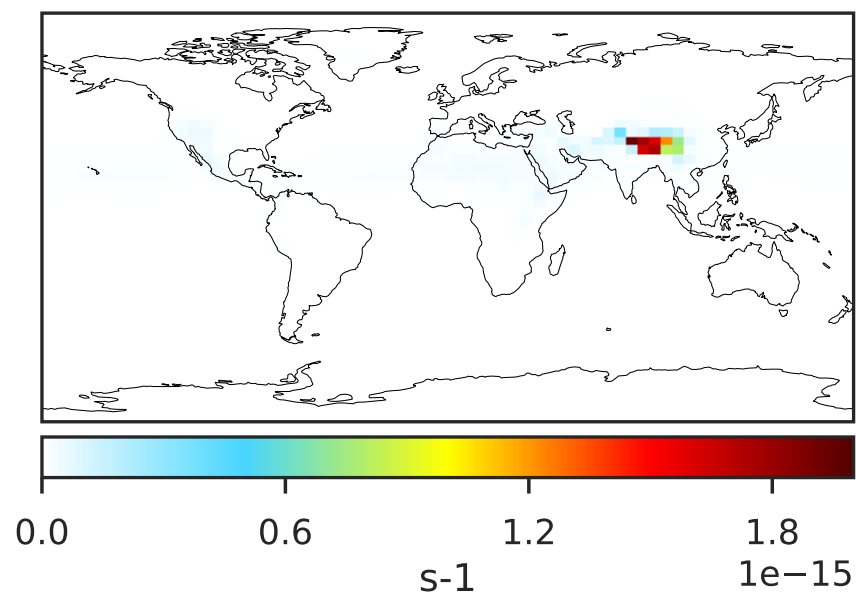


Jval_CFC12 (Jul2019)

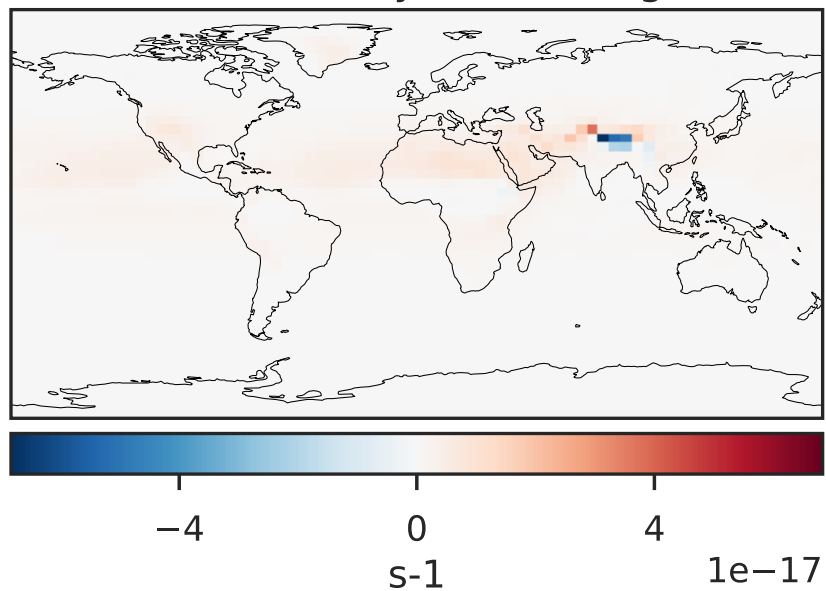
14.2.0-rc.2 (Ref)
4.0x5.0



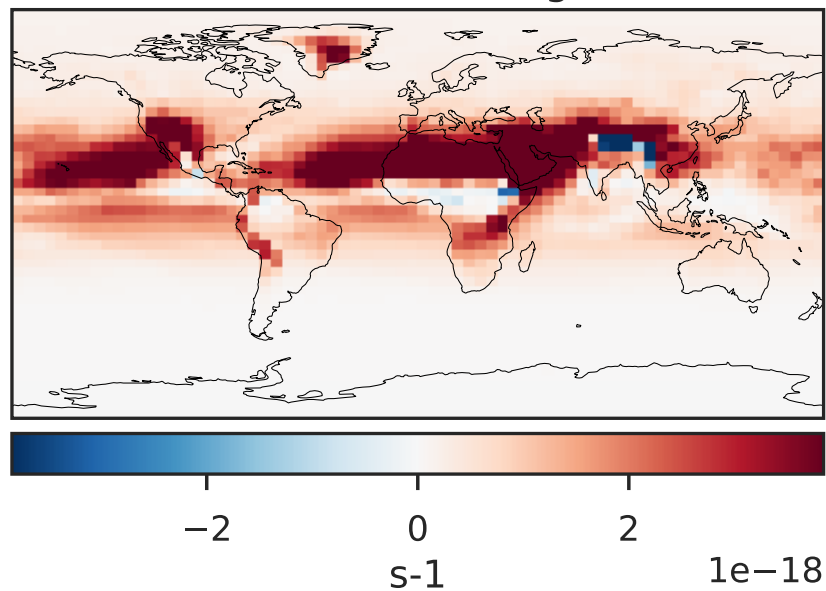
14.3.0-rc.0 (Dev)
4.0x5.0



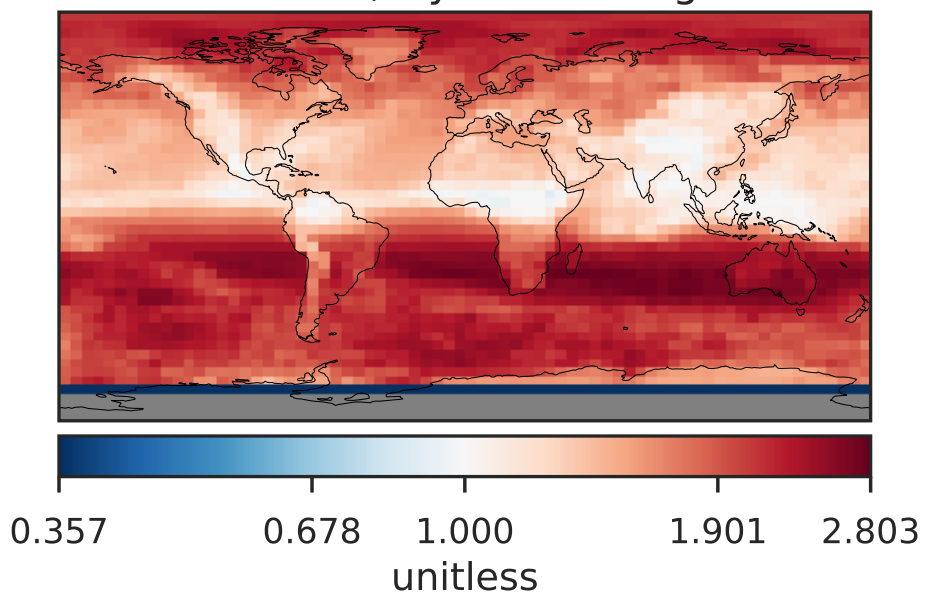
Difference
Dev - Ref, Dynamic Range



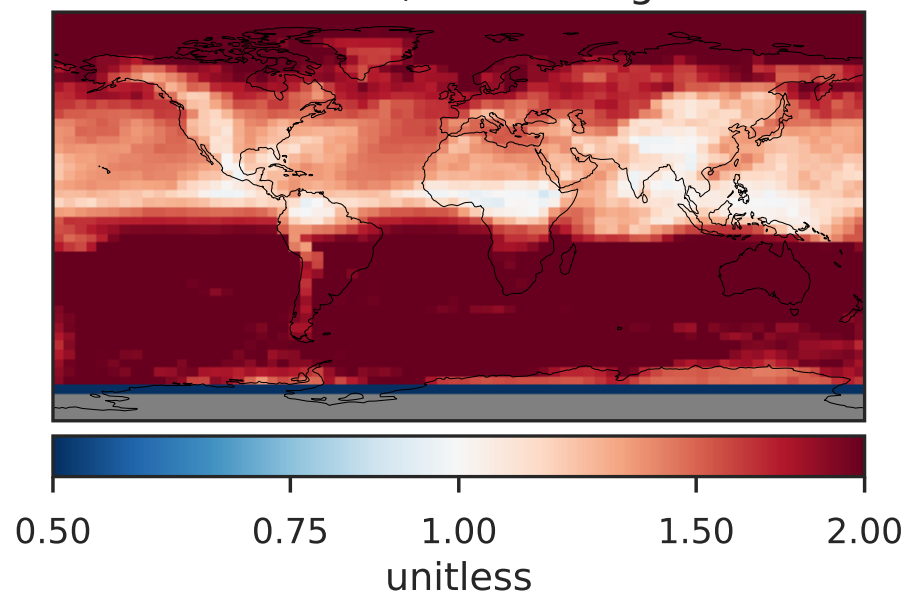
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

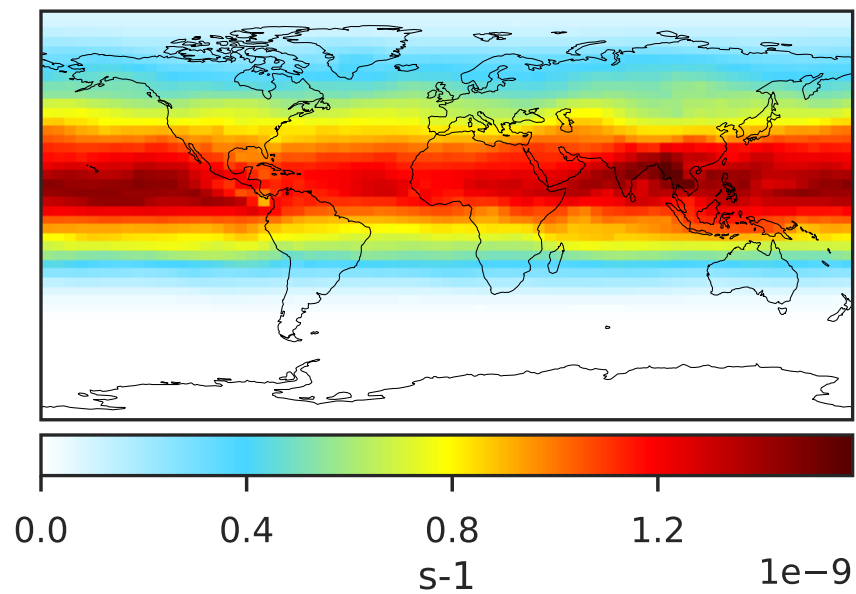


Ratio
Dev/Ref, Fixed Range

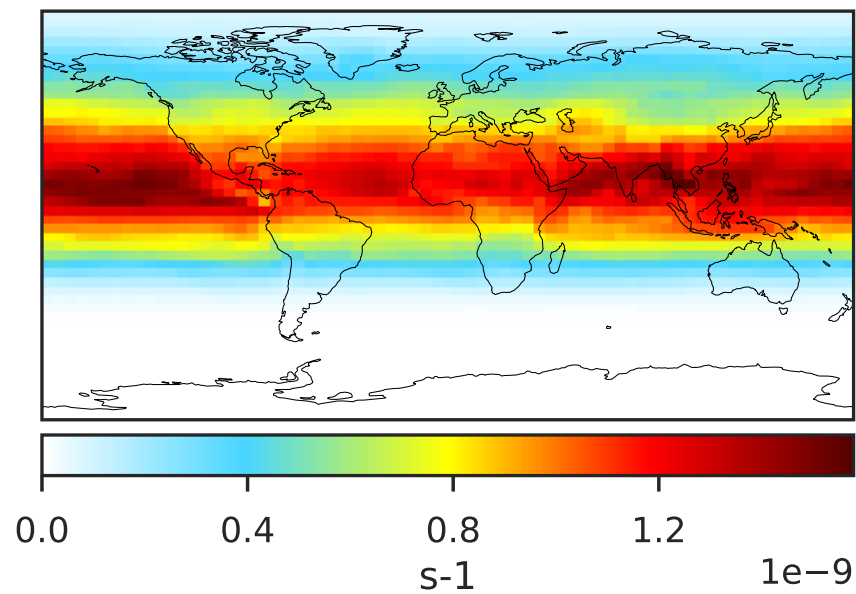


Jval_CH2Br2 (Jul2019)

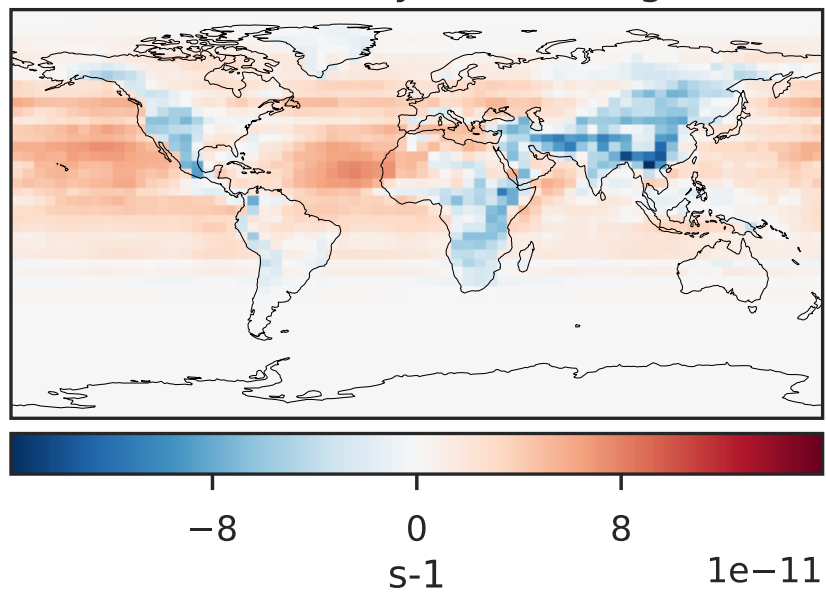
14.2.0-rc.2 (Ref)
4.0x5.0



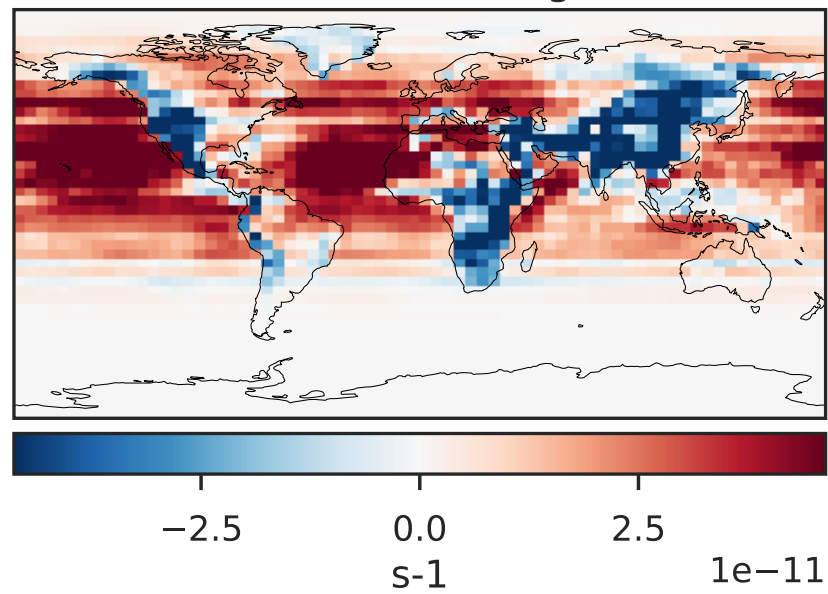
14.3.0-rc.0 (Dev)
4.0x5.0



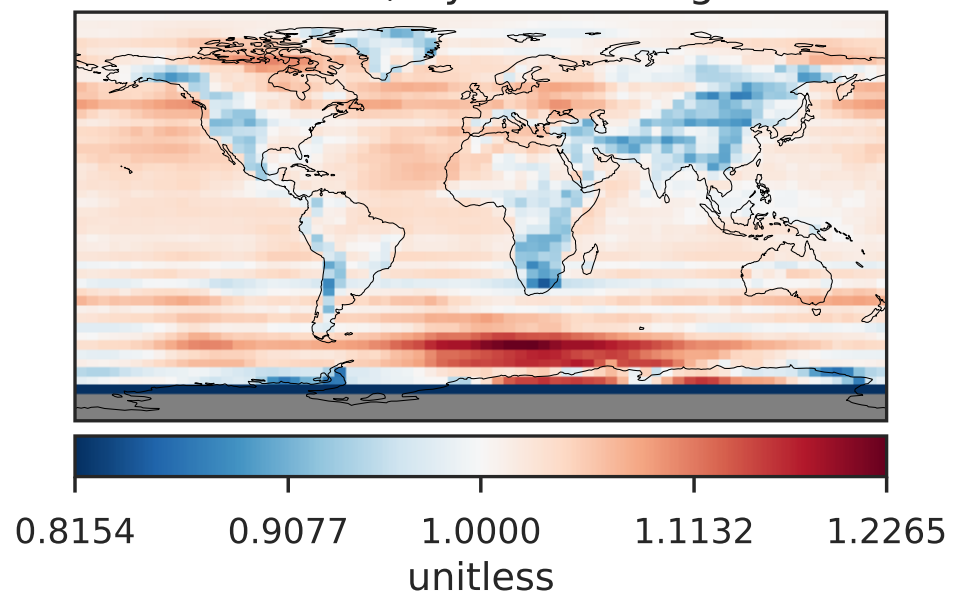
Difference
Dev - Ref, Dynamic Range



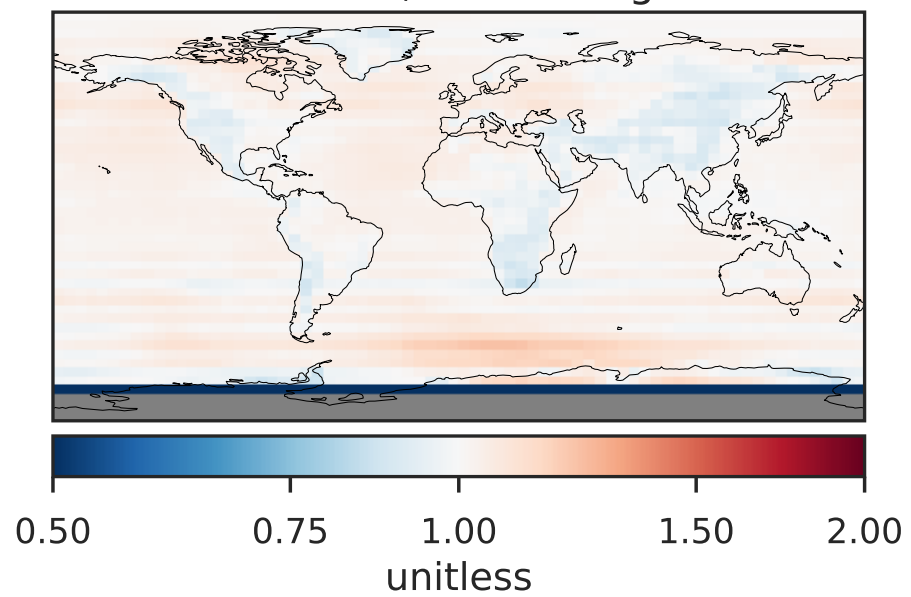
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

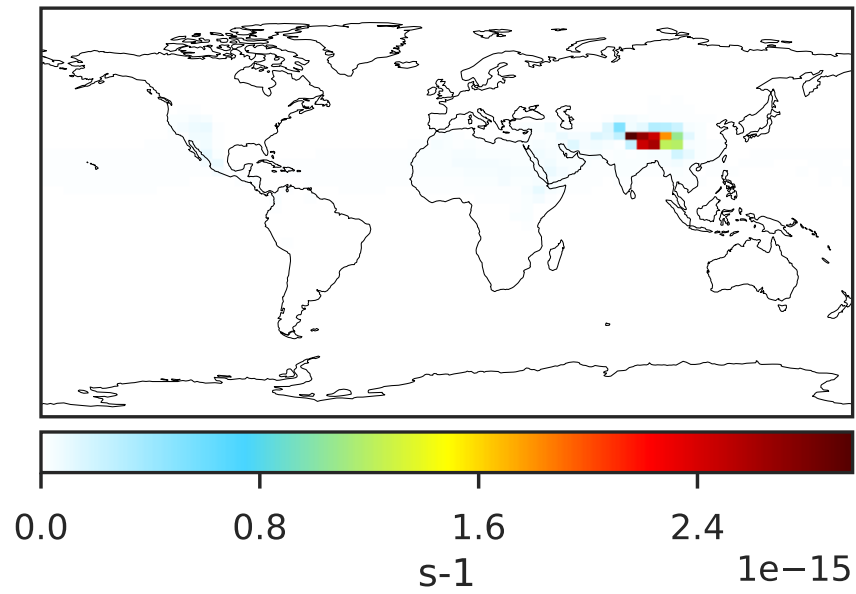


Ratio
Dev/Ref, Fixed Range

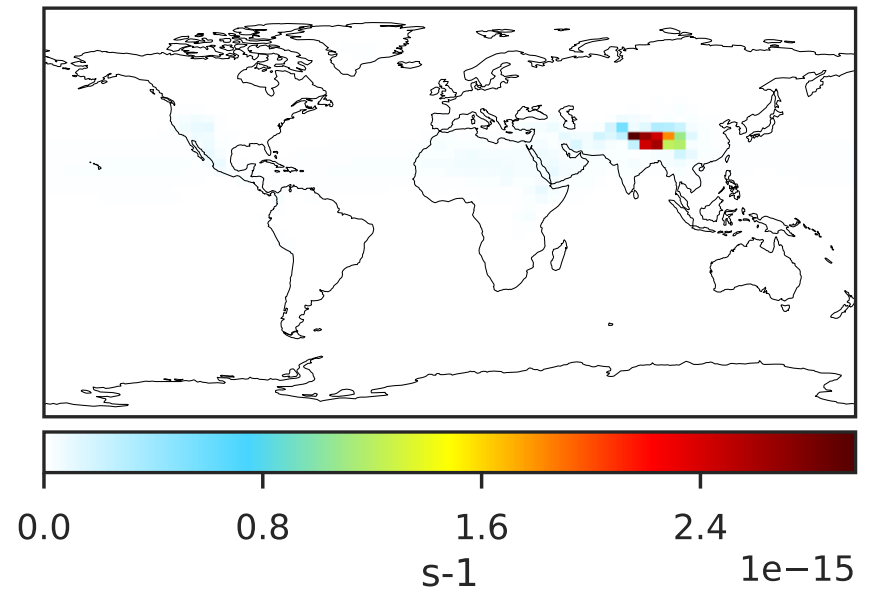


Jval_CH2Cl2 (Jul2019)

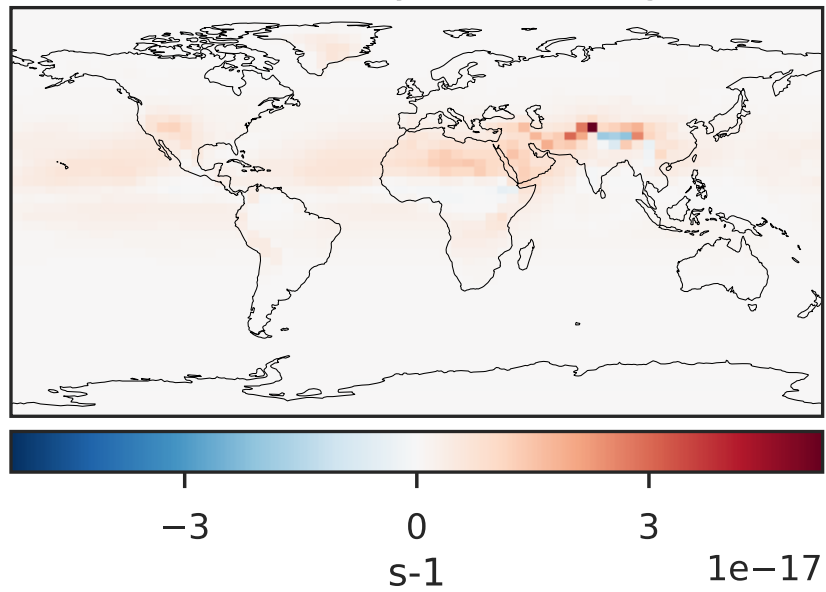
14.2.0-rc.2 (Ref)
4.0x5.0



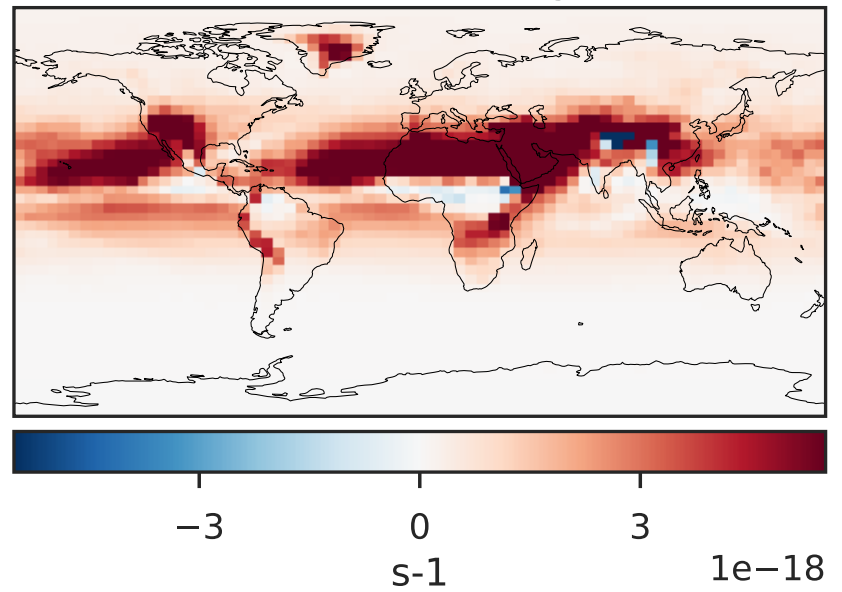
14.3.0-rc.0 (Dev)
4.0x5.0



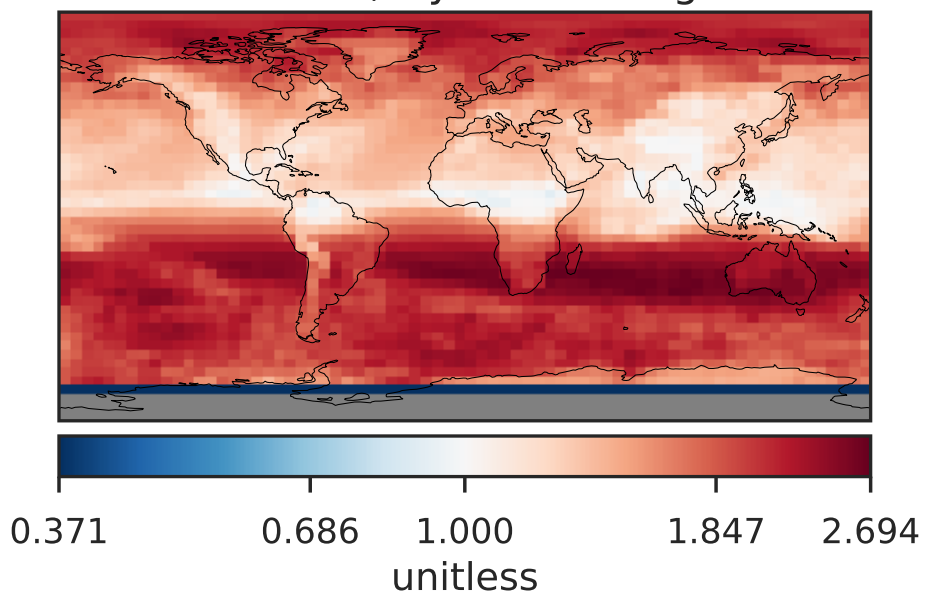
Difference
Dev - Ref, Dynamic Range



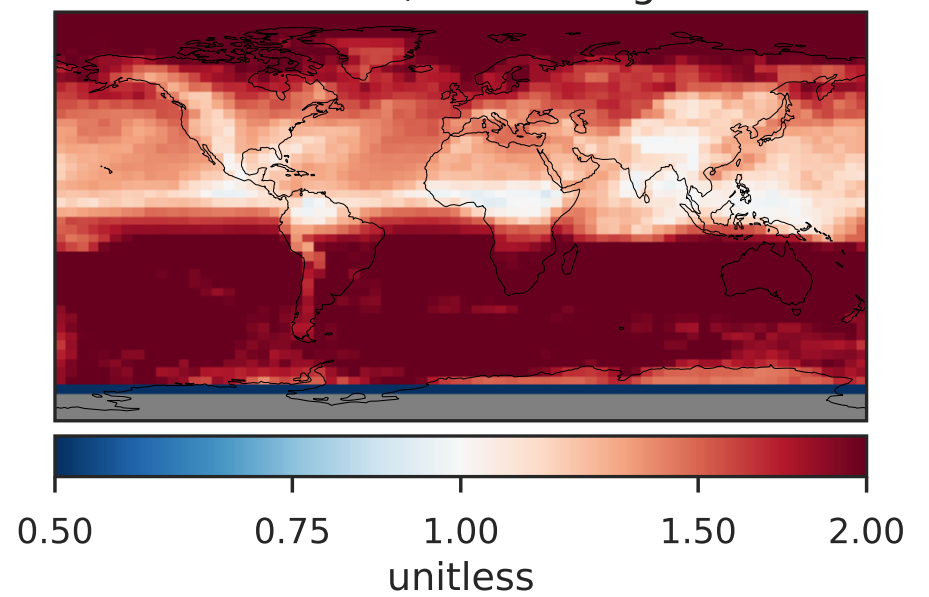
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

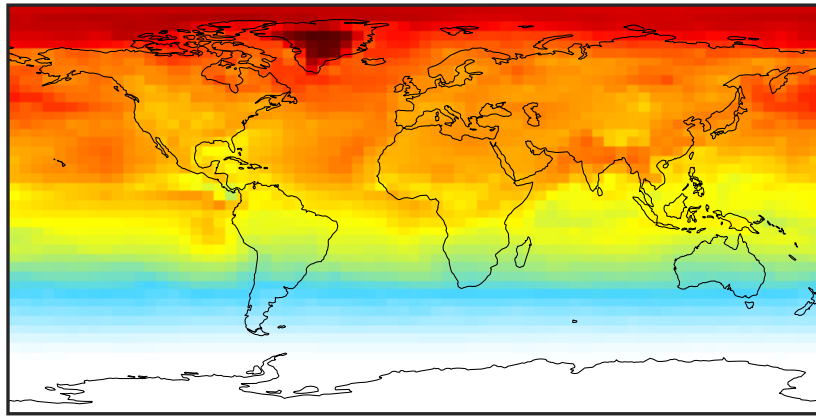


Ratio
Dev/Ref, Fixed Range



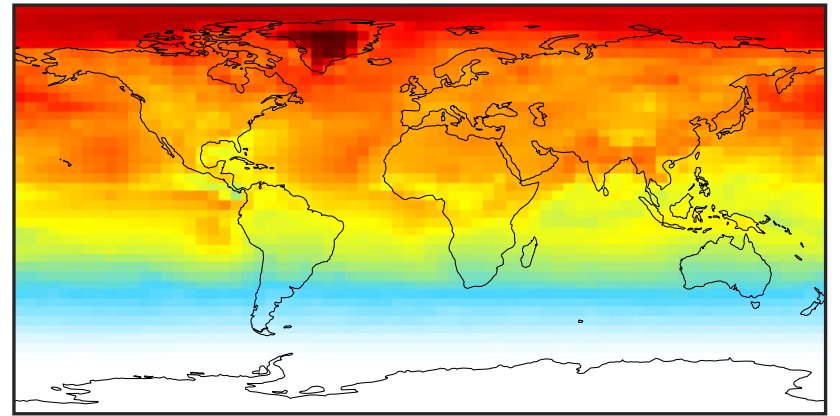
Jval_CH2I2 (Jul2019)

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



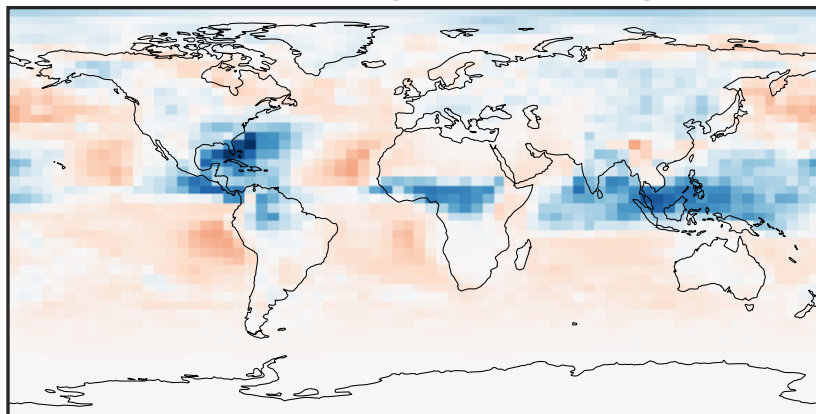
0.0000 0.0025 0.0050 0.0075
s-1

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



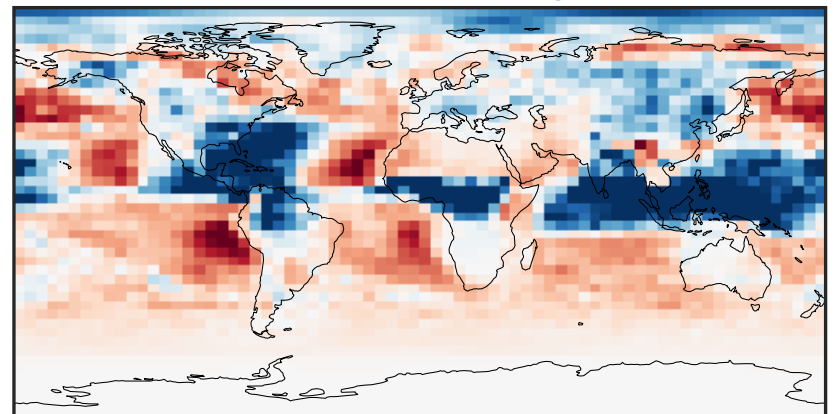
0.0000 0.0025 0.0050 0.0075
s-1

Difference
Dev - Ref, Dynamic Range



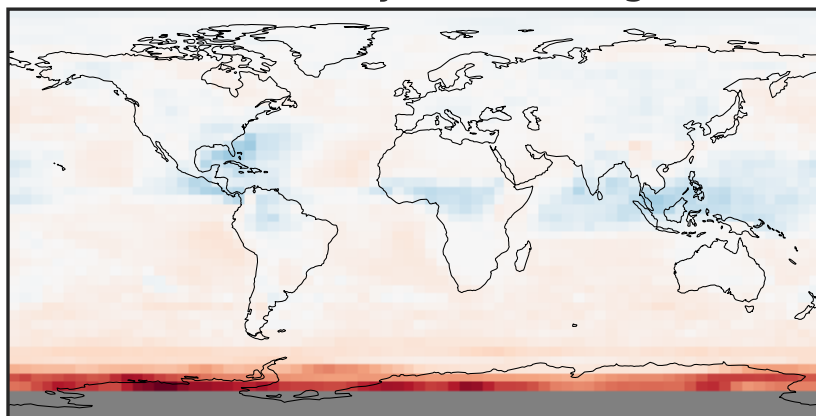
-0.00015 0.00000 0.00015
s-1

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



-5 0 5
s-1 1e-5

Ratio
Dev/Ref, Dynamic Range



0.8498 0.9249 1.0000 1.0884 1.1768
unitless

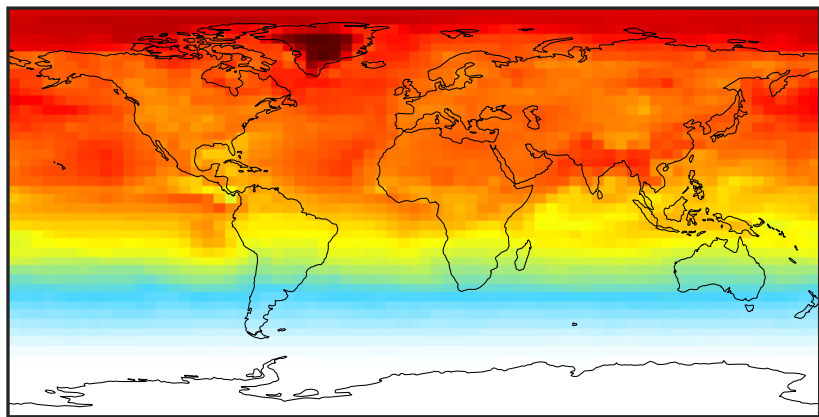
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

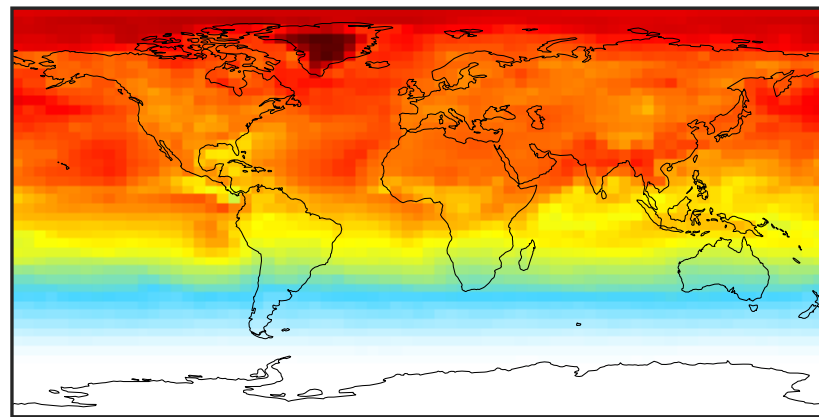
Jval_CH2IBr (Jul2019)

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



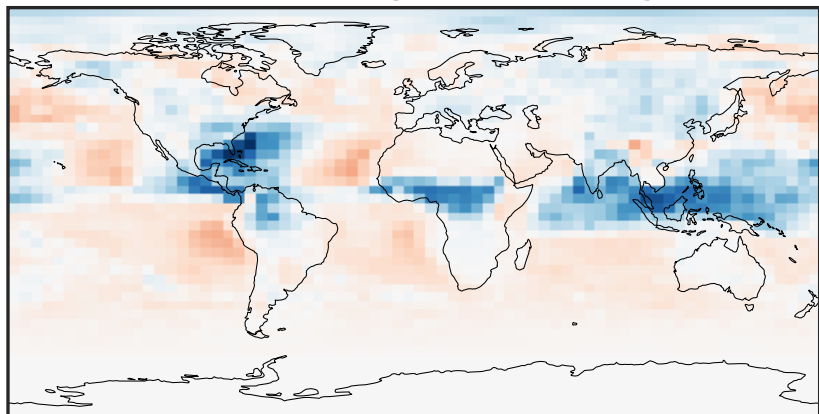
0.00000 0.00015 0.00030 0.00045
s-1

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



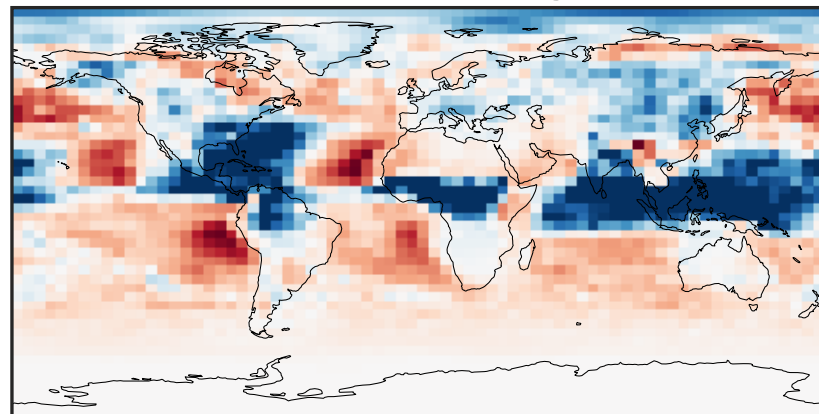
0.00000 0.00015 0.00030 0.00045
s-1

Difference
Dev - Ref, Dynamic Range



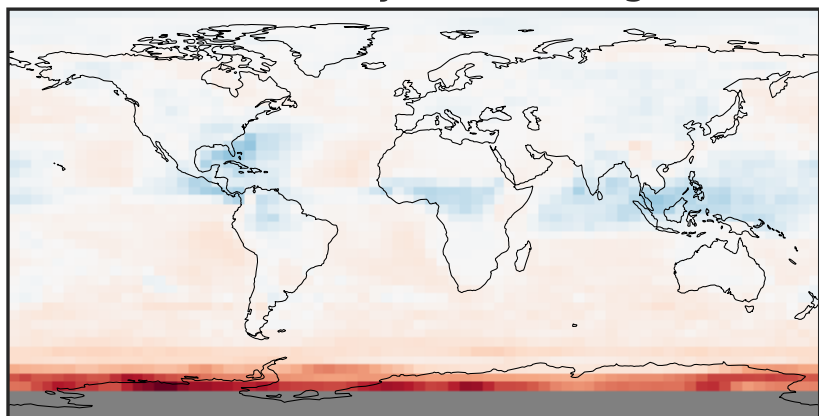
-8 0 8
s-1 1e-6

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



-3 0 3
s-1 1e-6

Ratio
Dev/Ref, Dynamic Range



0.8610 0.9305 1.0000 1.0807 1.1614
unitless

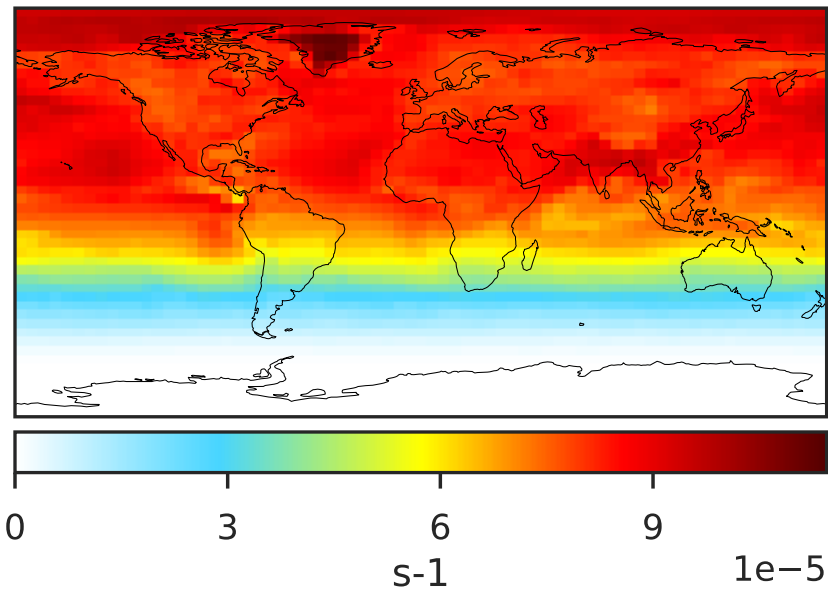
Ratio
Dev/Ref, Fixed Range



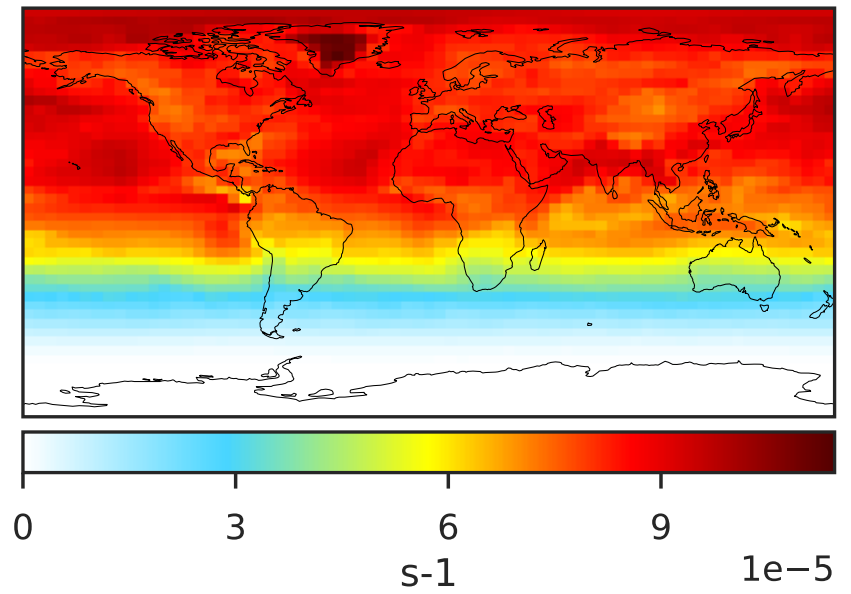
0.50 0.75 1.00 1.50 2.00
unitless

Jval_CH2ICI (Jul2019)

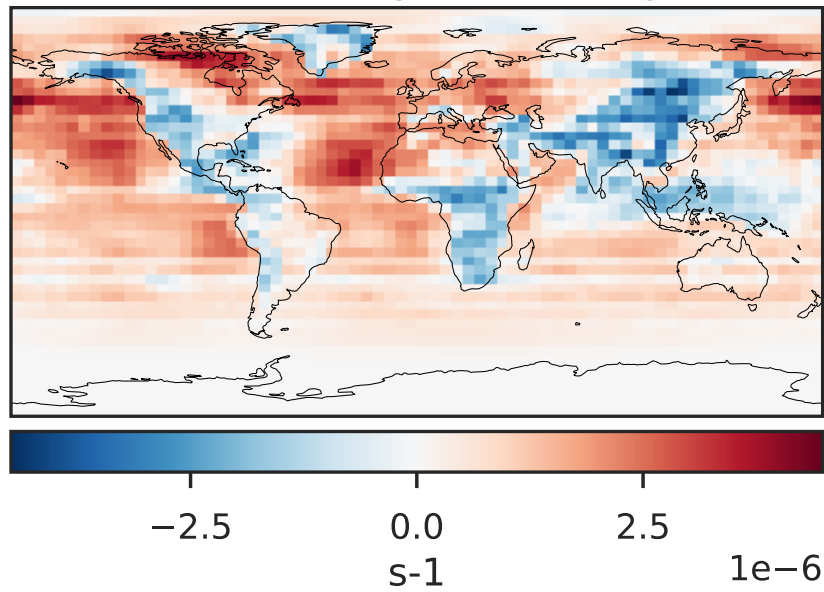
14.2.0-rc.2 (Ref)
4.0x5.0



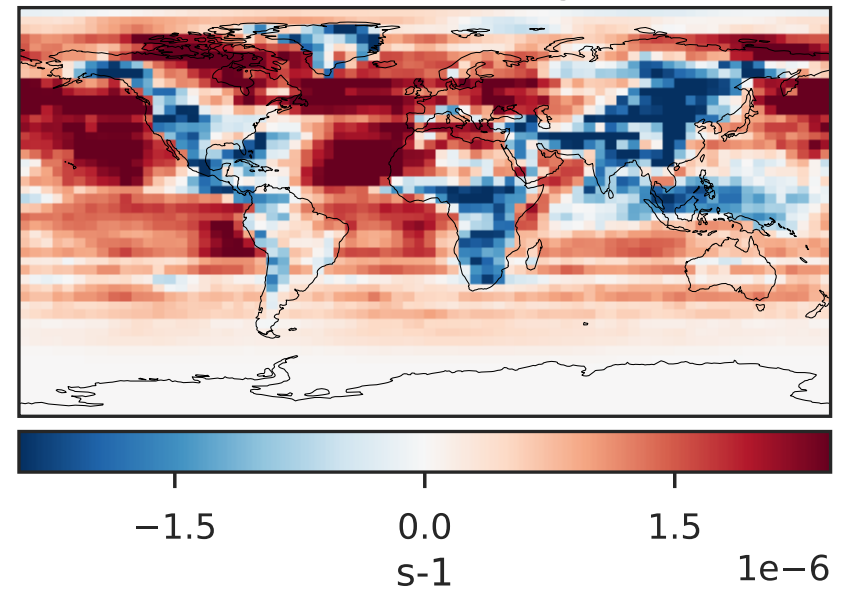
14.3.0-rc.0 (Dev)
4.0x5.0



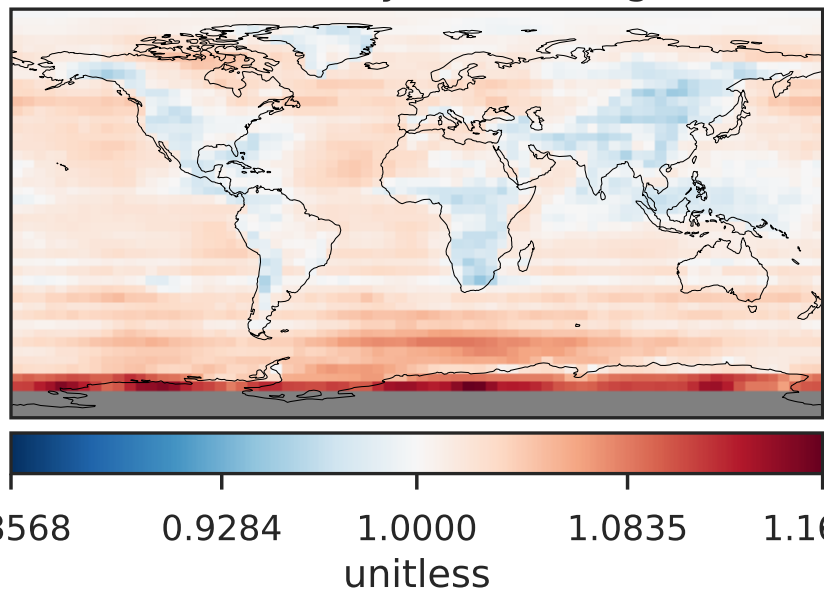
Difference
Dev - Ref, Dynamic Range



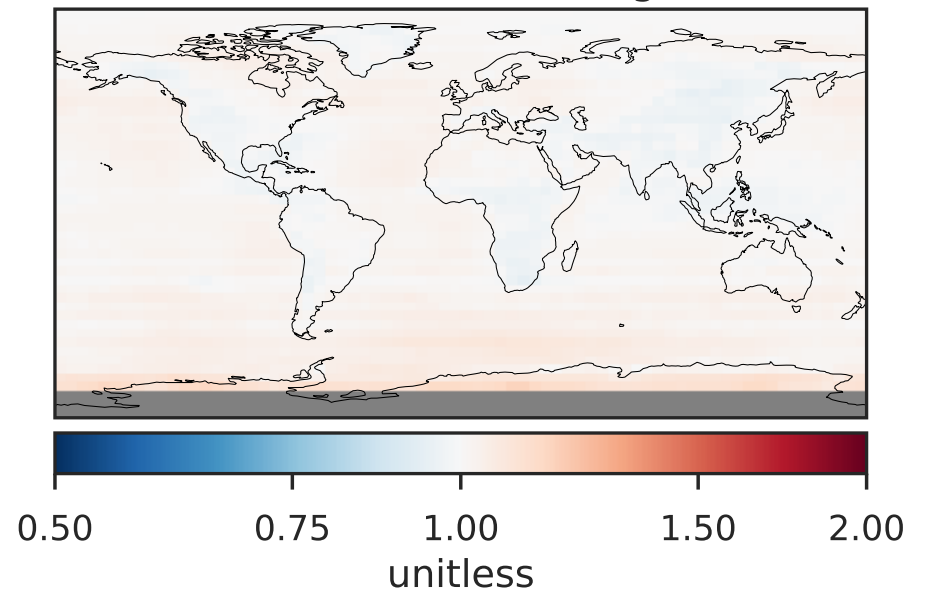
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

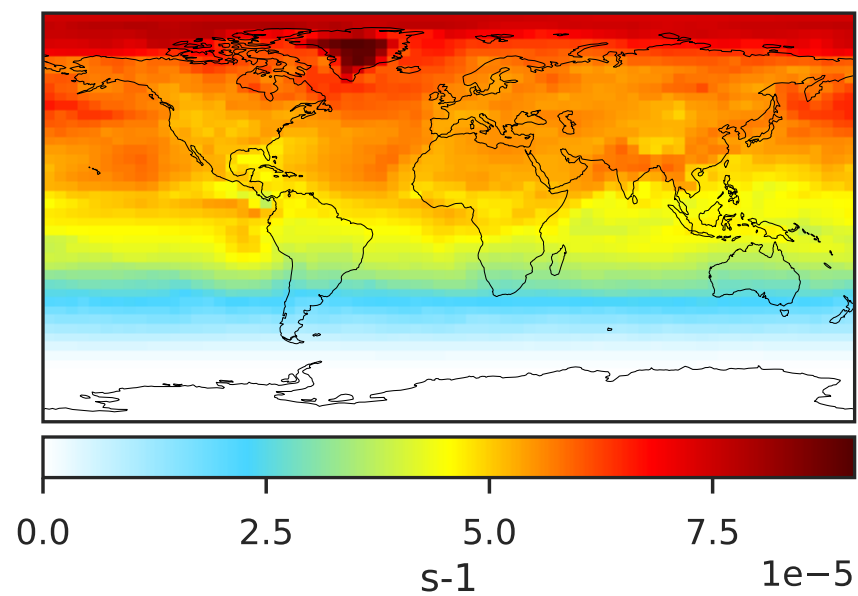


Ratio
Dev/Ref, Fixed Range

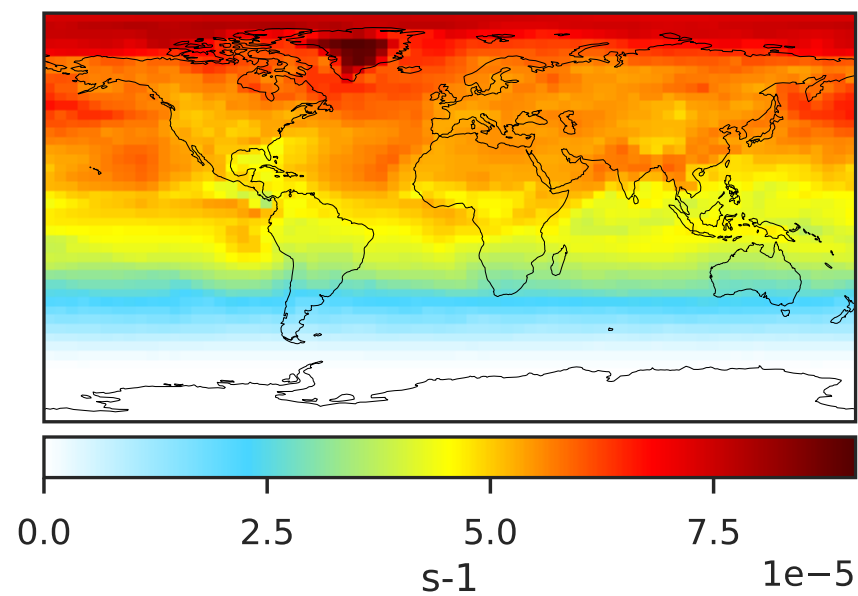


Jval_CH20 (Jul2019)

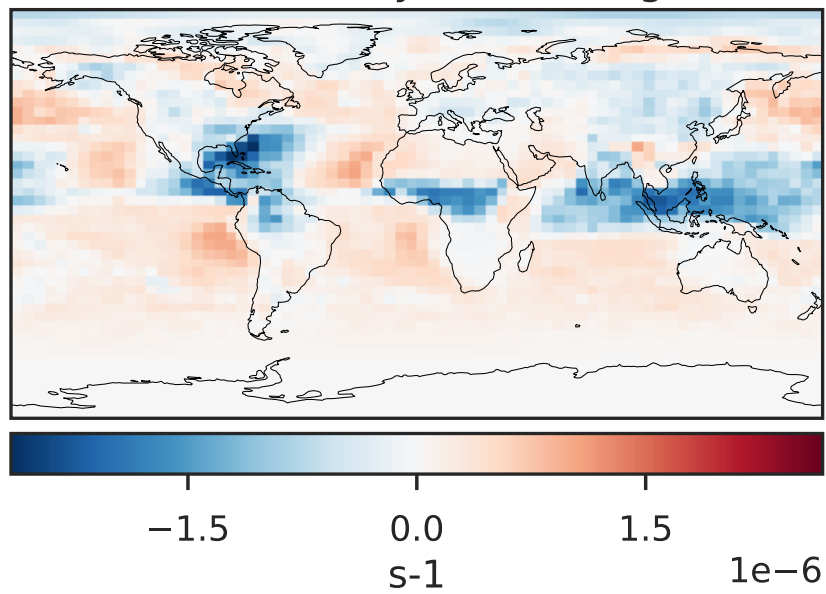
14.2.0-rc.2 (Ref)
4.0x5.0



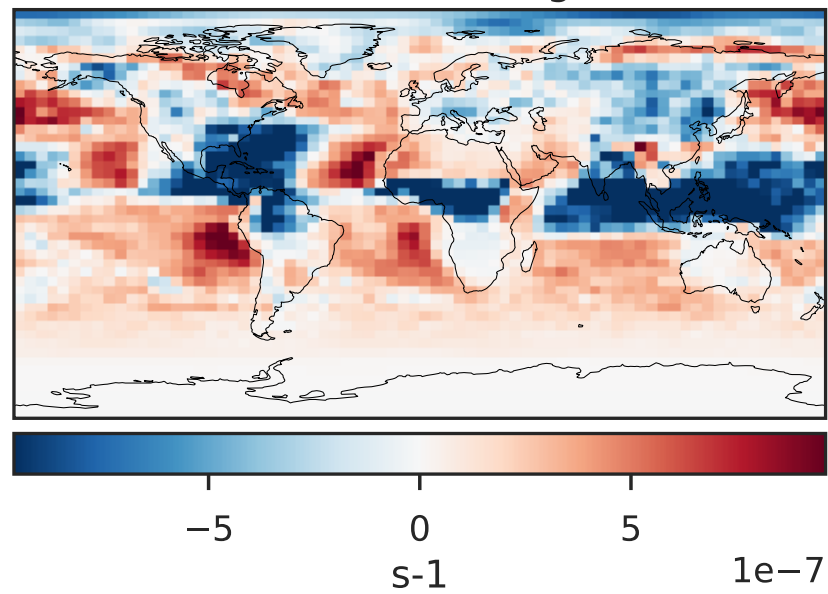
14.3.0-rc.0 (Dev)
4.0x5.0



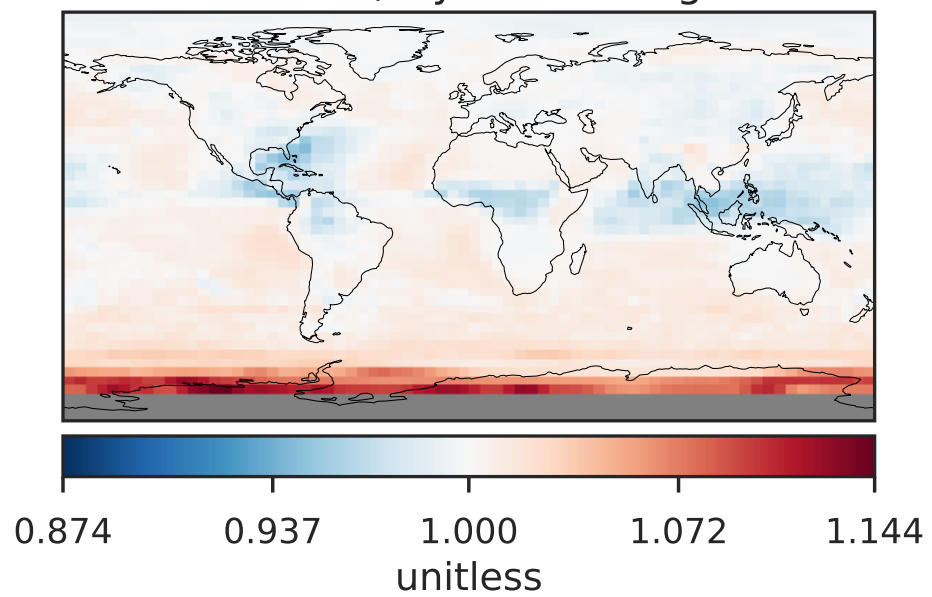
Difference
Dev - Ref, Dynamic Range



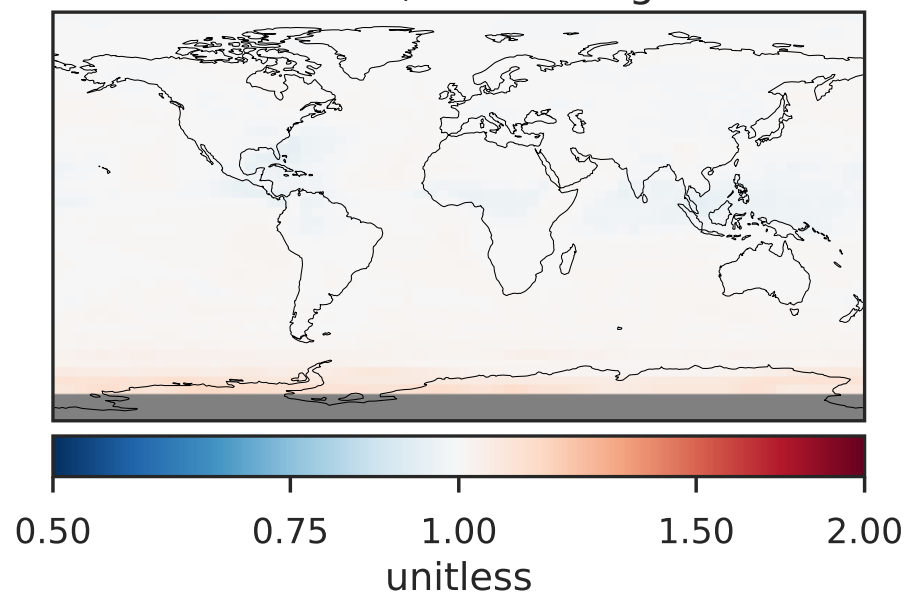
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

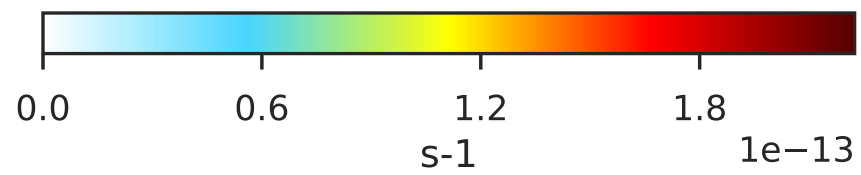
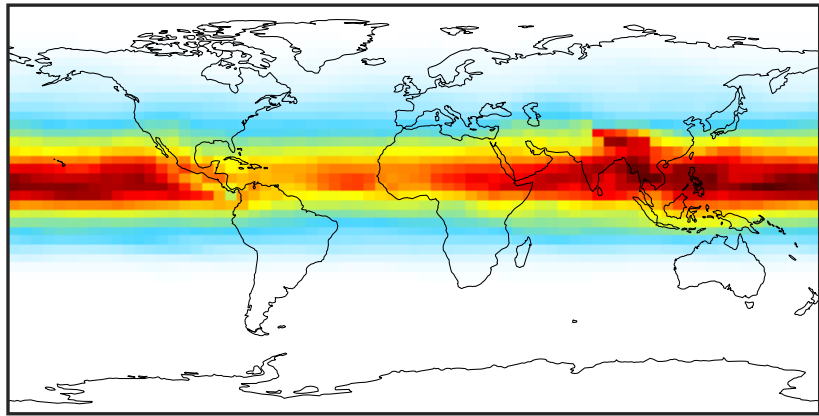


Ratio
Dev/Ref, Fixed Range

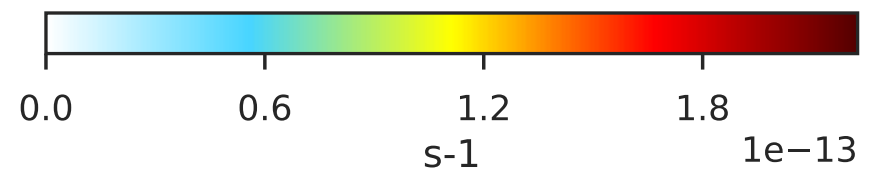
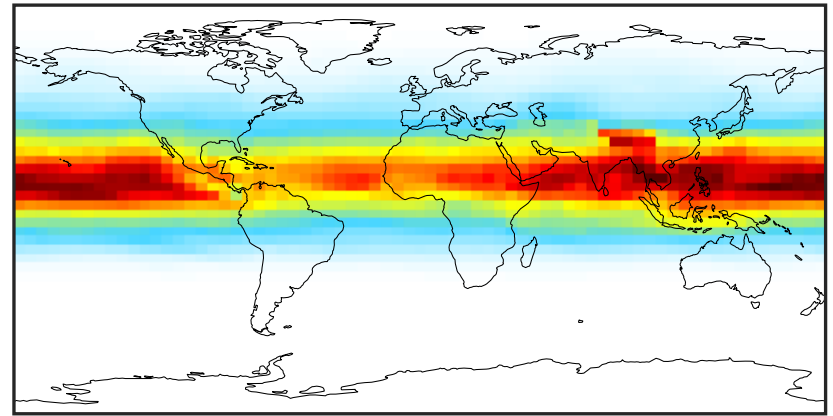


Jval_CH3Br (Jul2019)

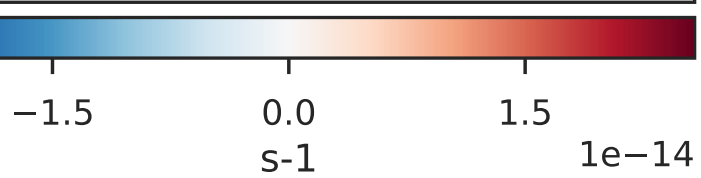
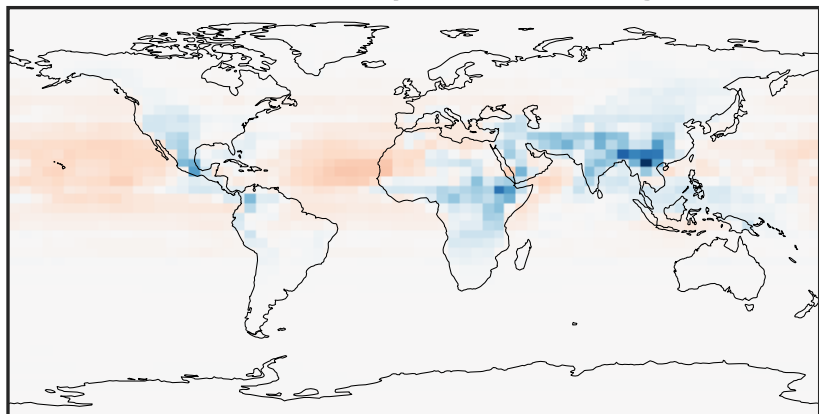
14.2.0-rc.2 (Ref)
4.0x5.0



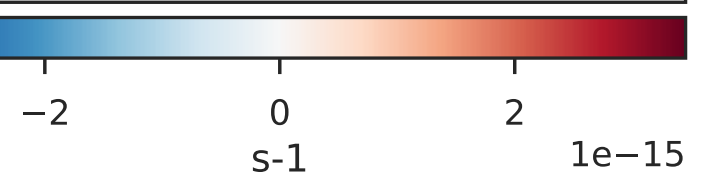
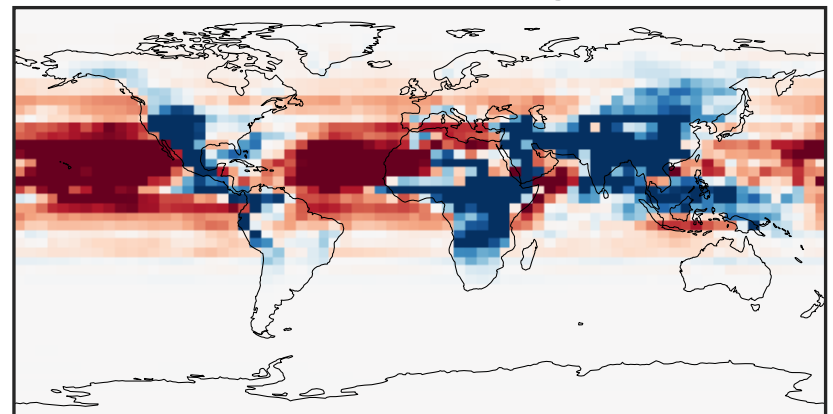
14.3.0-rc.0 (Dev)
4.0x5.0



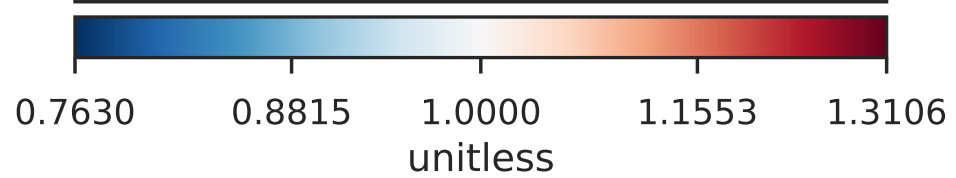
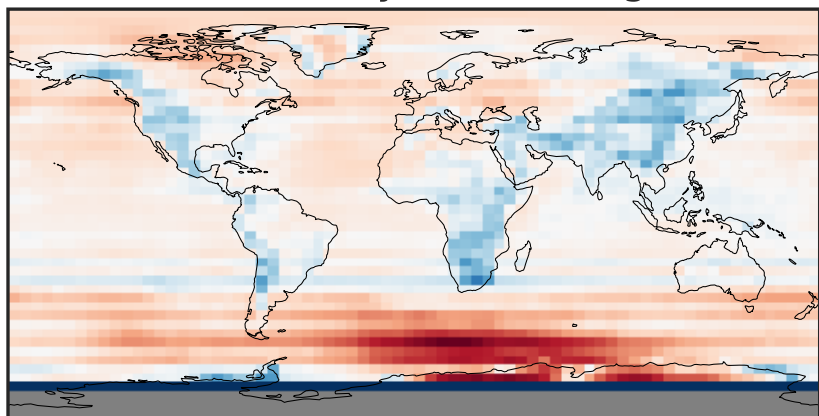
Difference
Dev - Ref, Dynamic Range



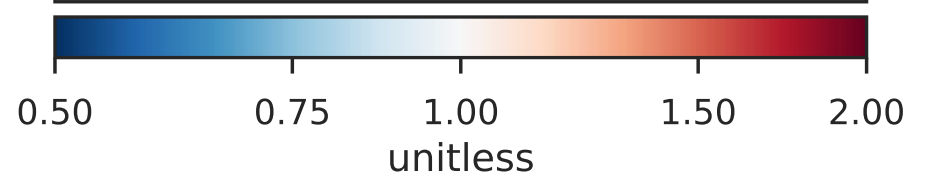
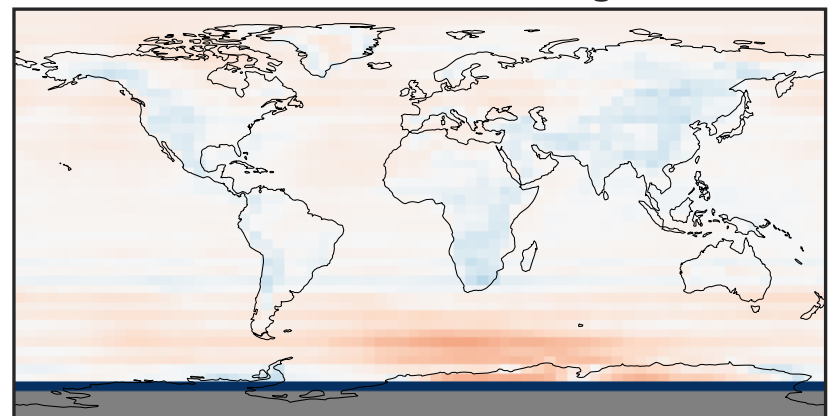
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range



Ratio
Dev/Ref, Fixed Range



Jval_CH3CCI3 (Jul2019)

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



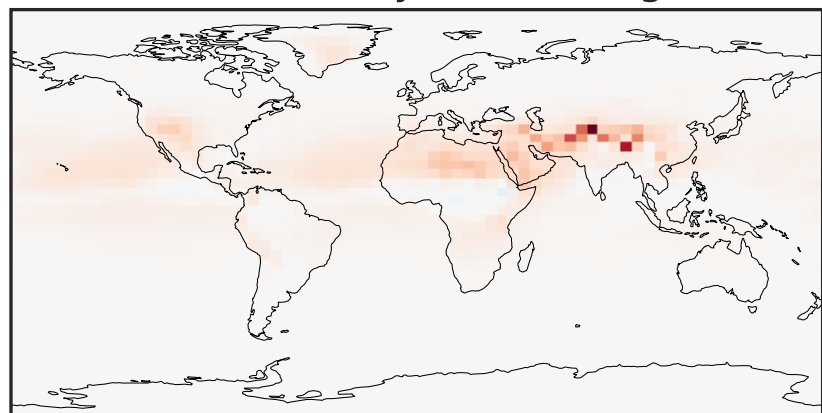
0.0 1.5 3.0
s-1 1e-14

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



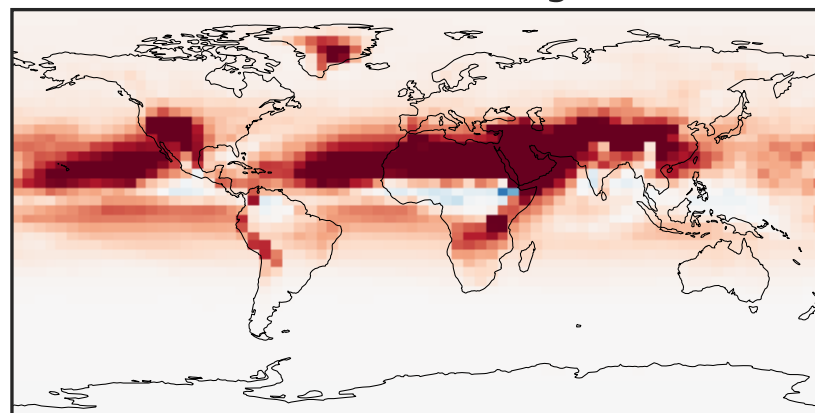
0.0 1.5 3.0
s-1 1e-14

Difference
Dev - Ref, Dynamic Range



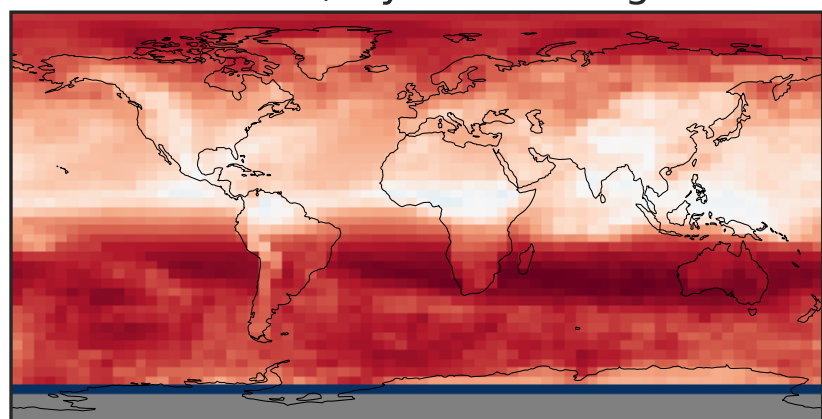
-4 0 4
s-1 1e-16

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



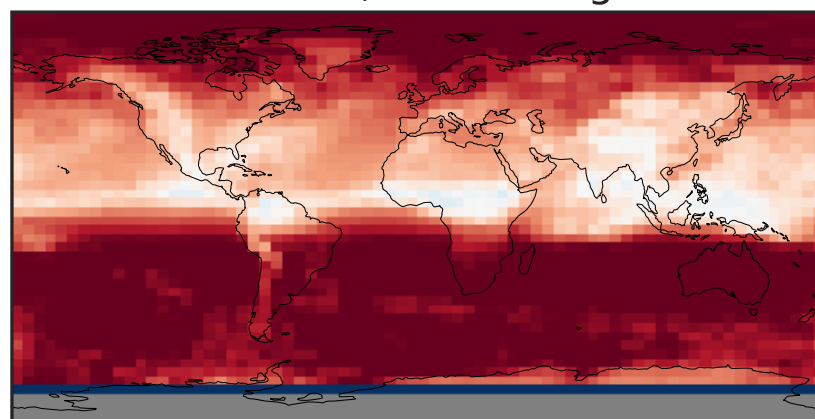
-4 0 4
s-1 1e-17

Ratio
Dev/Ref, Dynamic Range



0.389 0.694 1.000 1.786 2.573
unitless

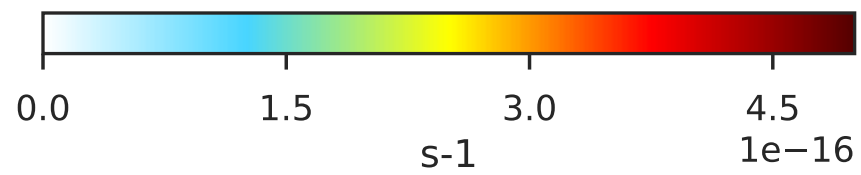
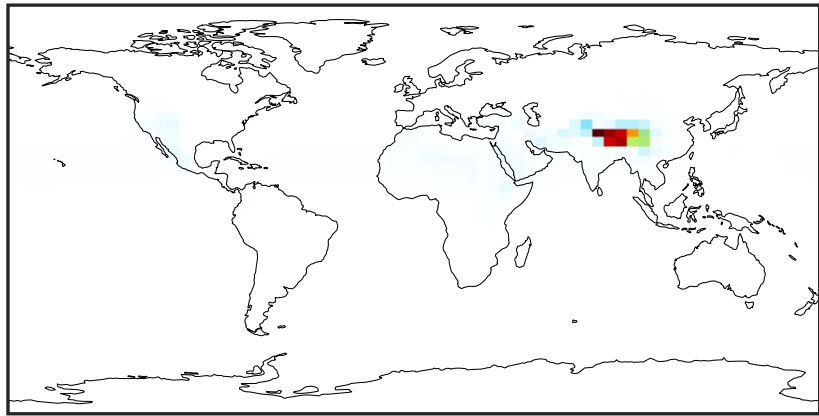
Ratio
Dev/Ref, Fixed Range



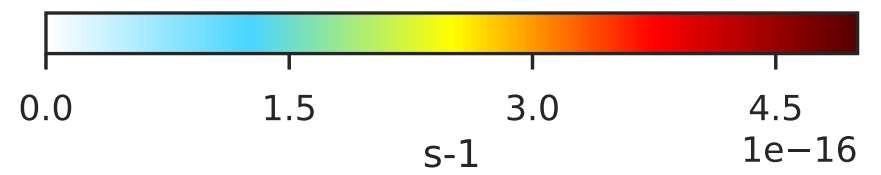
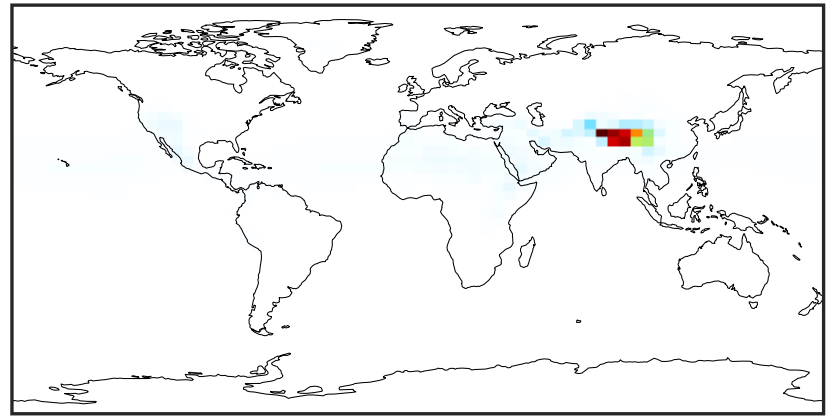
0.50 0.75 1.00 1.50 2.00
unitless

Jval_CH3Cl (Jul2019)

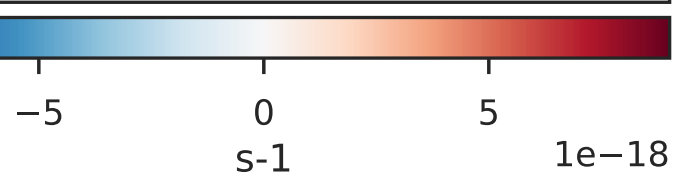
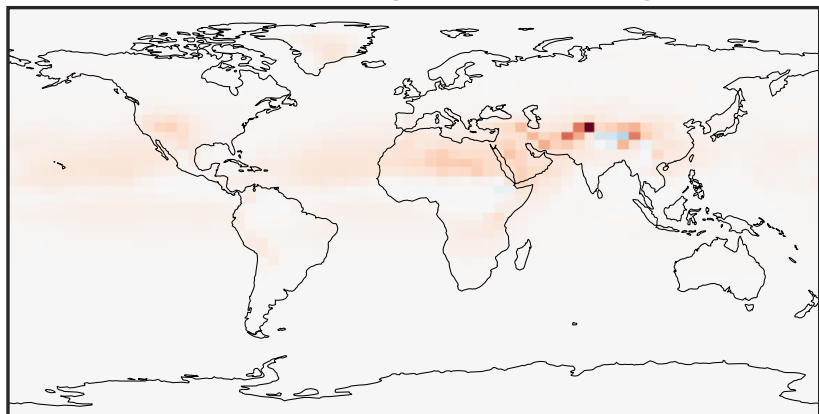
14.2.0-rc.2 (Ref)
4.0x5.0



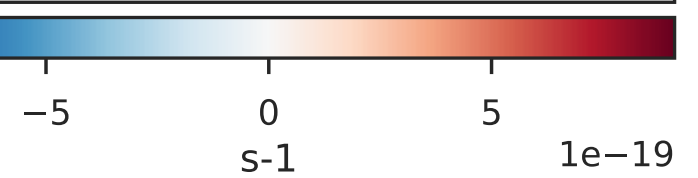
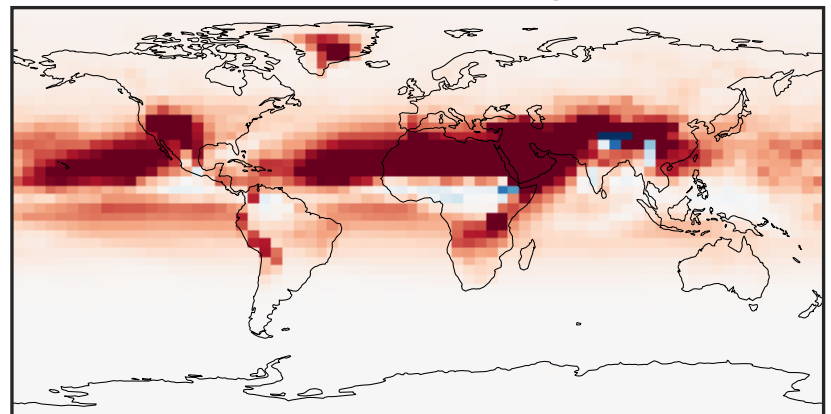
14.3.0-rc.0 (Dev)
4.0x5.0



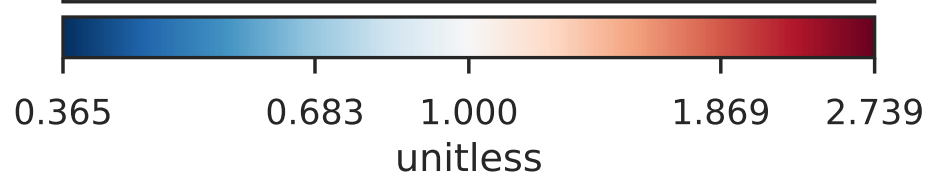
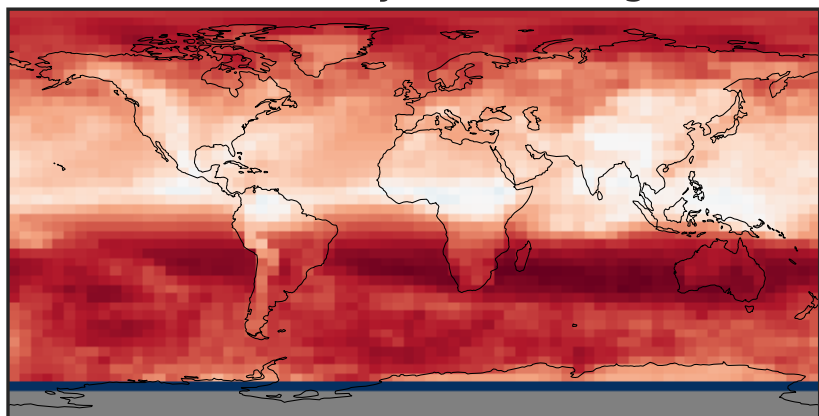
Difference
Dev - Ref, Dynamic Range



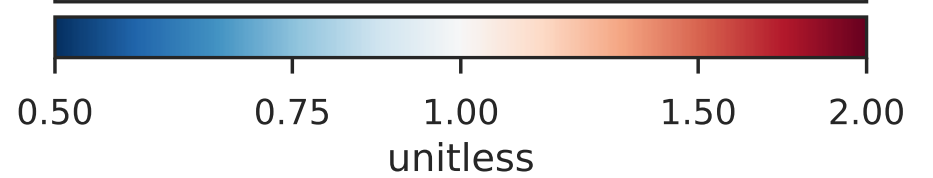
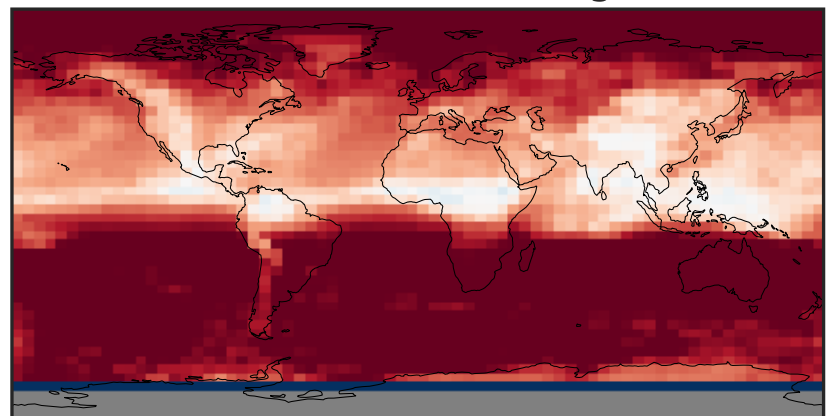
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

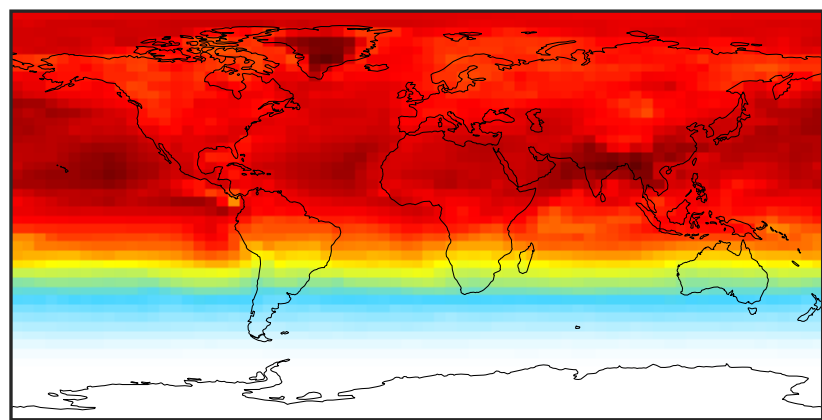


Ratio
Dev/Ref, Fixed Range



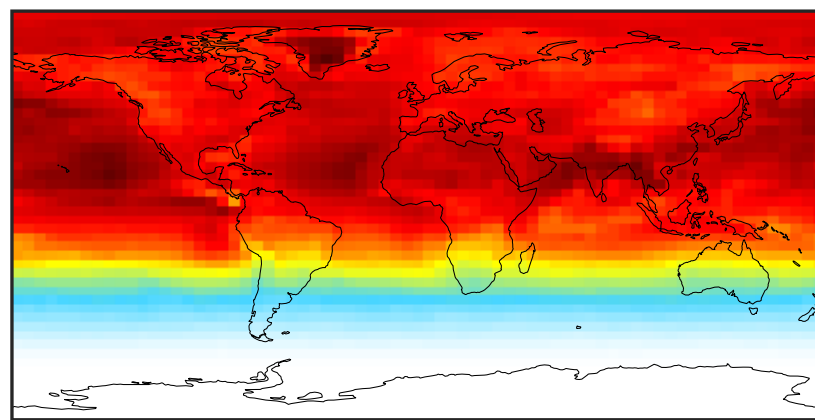
Jval_CH3I (Jul2019)

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



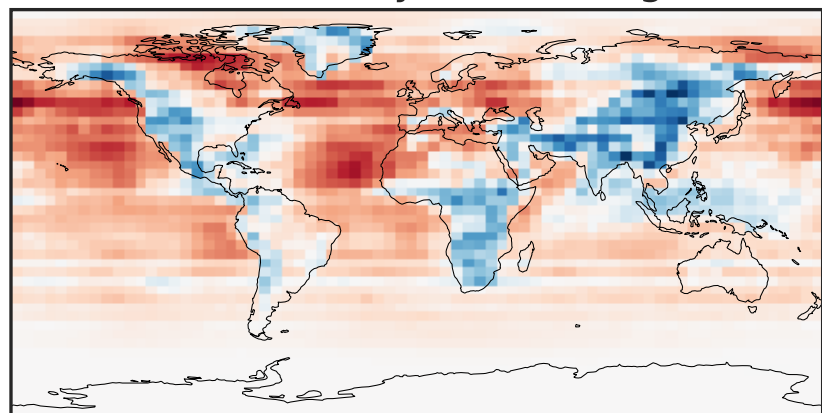
0.0 1.5 3.0 10^{-6}
s-1

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



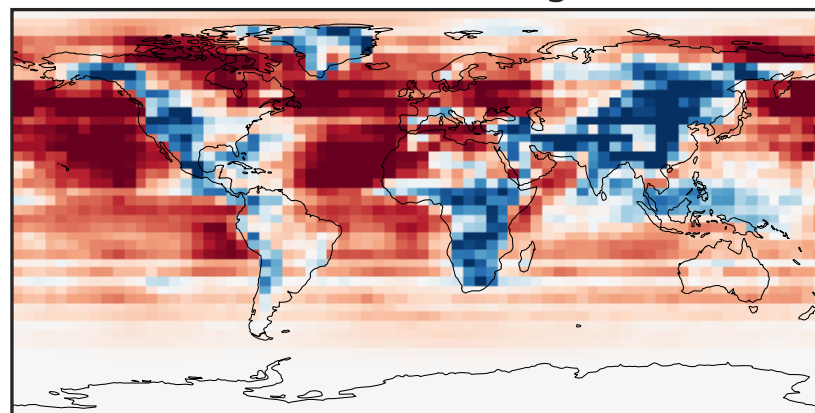
0.0 1.5 3.0 10^{-6}
s-1

Difference
Dev - Ref, Dynamic Range



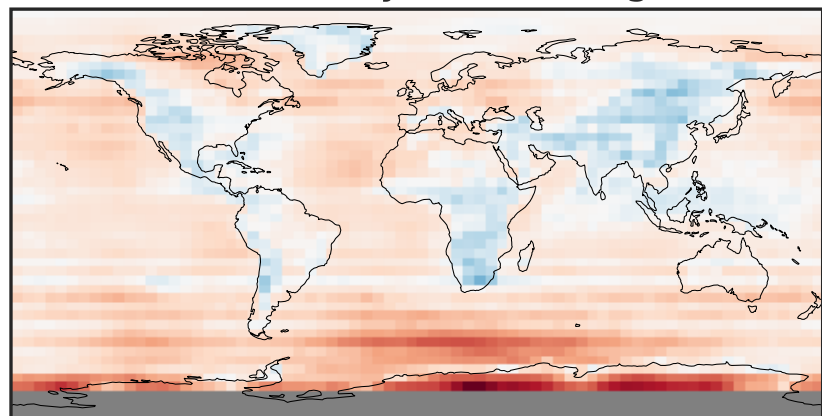
-1.5 0.0 1.5 10^{-7}
s-1

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



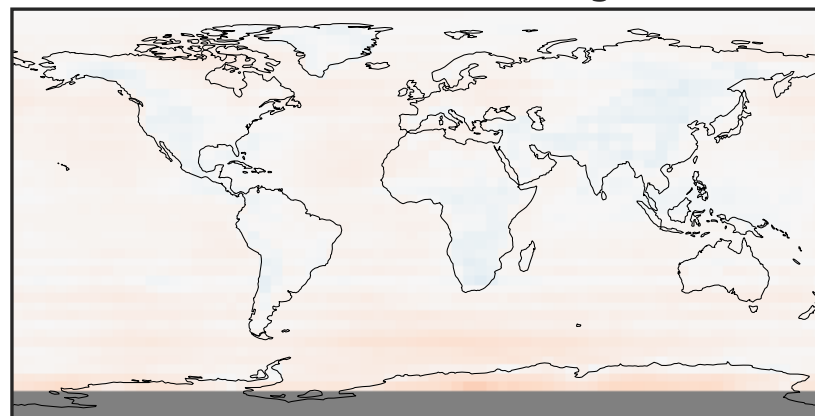
-6 0 6 10^{-8}
s-1

Ratio
Dev/Ref, Dynamic Range



0.8484 0.9242 1.0000 1.0894 1.1787
unitless

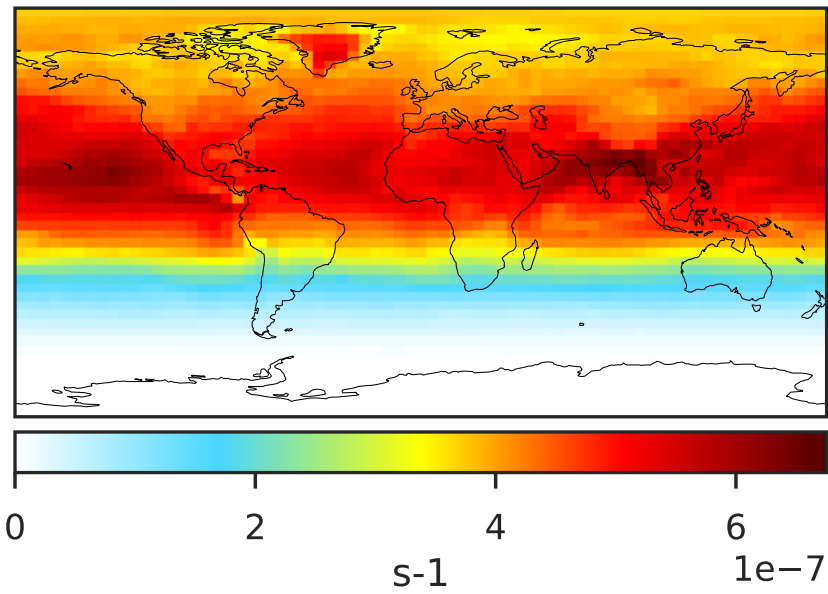
Ratio
Dev/Ref, Fixed Range



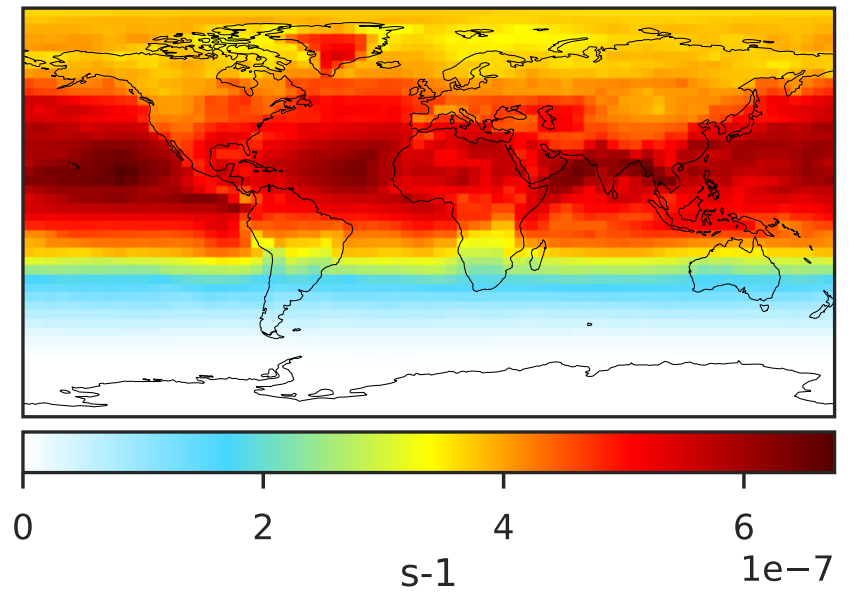
0.50 0.75 1.00 1.50 2.00
unitless

Jval_CHBr3 (Jul2019)

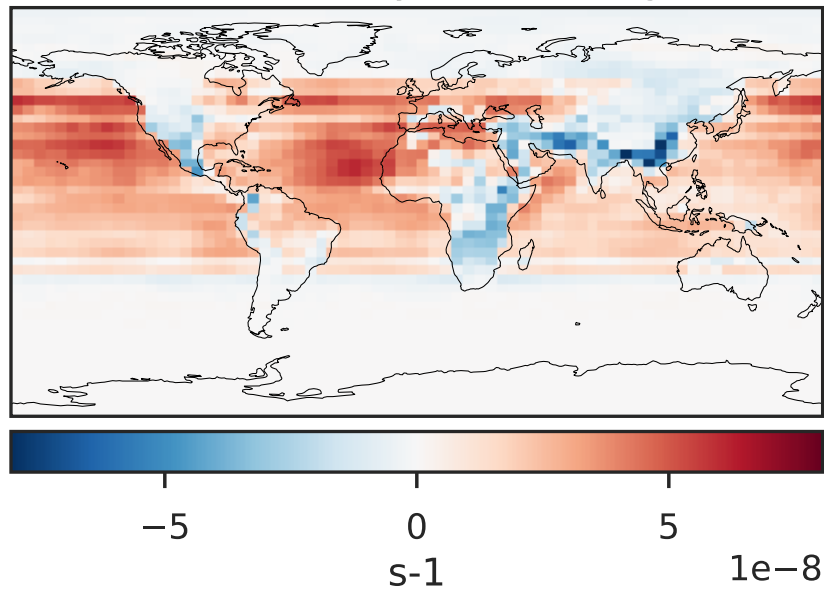
14.2.0-rc.2 (Ref)
4.0x5.0



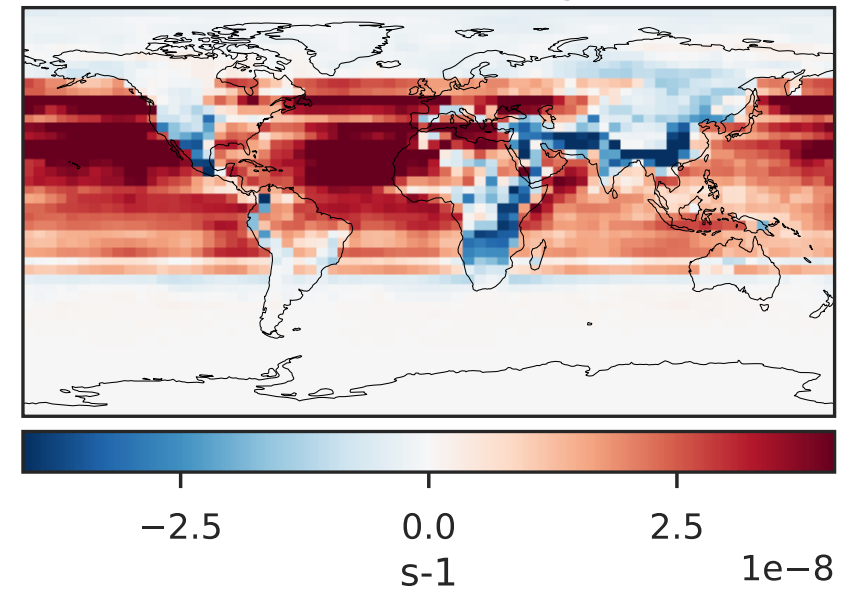
14.3.0-rc.0 (Dev)
4.0x5.0



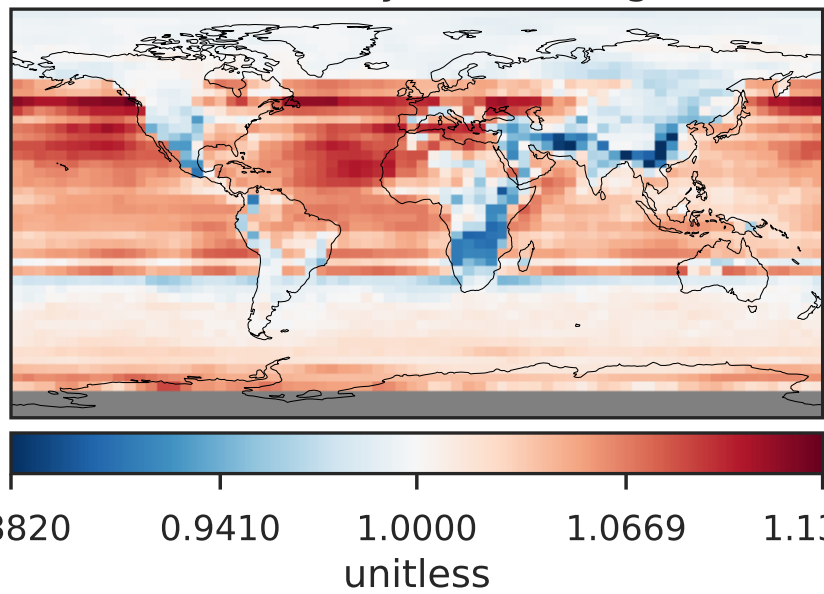
Difference
Dev - Ref, Dynamic Range



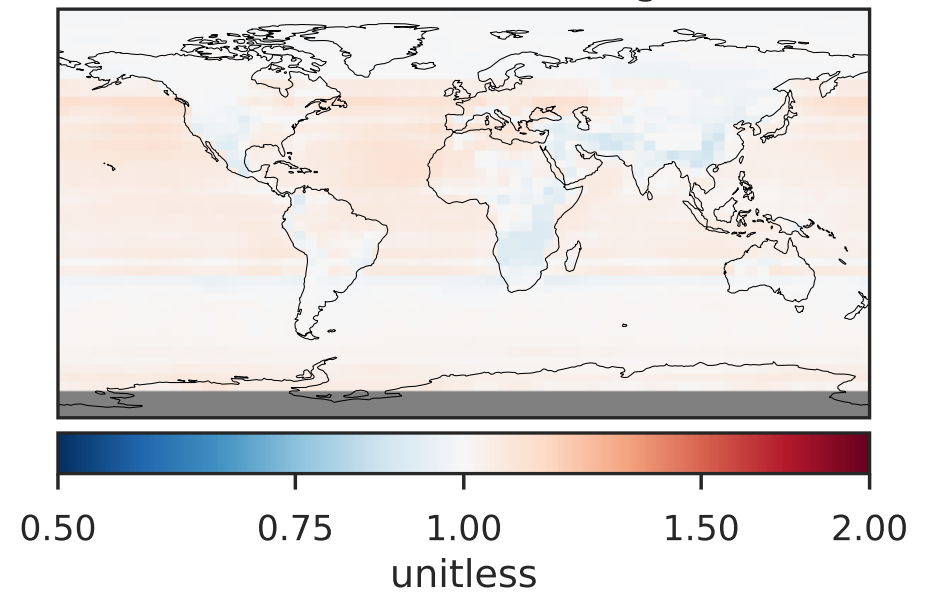
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

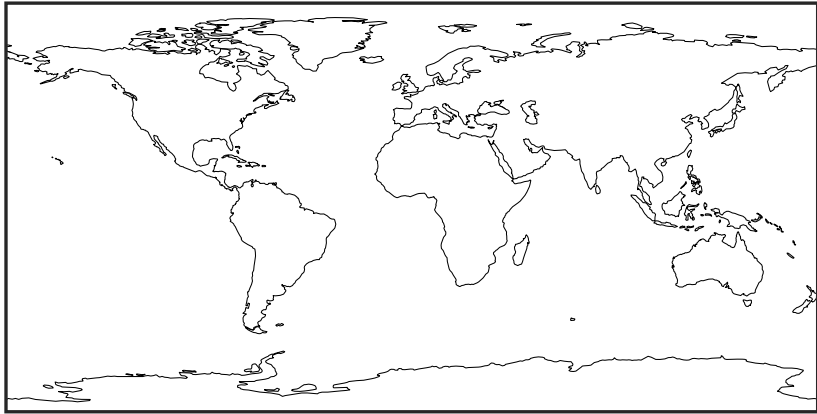


Ratio
Dev/Ref, Fixed Range



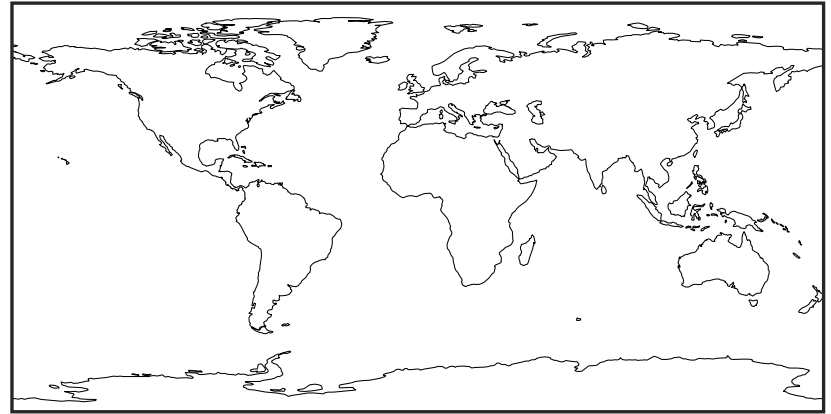
Jval_CHCl3 (Jul2019)

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



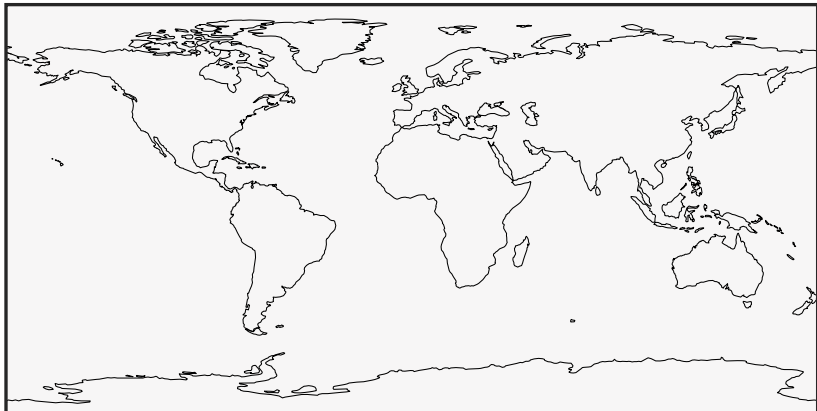
Zero throughput domain
s-1

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



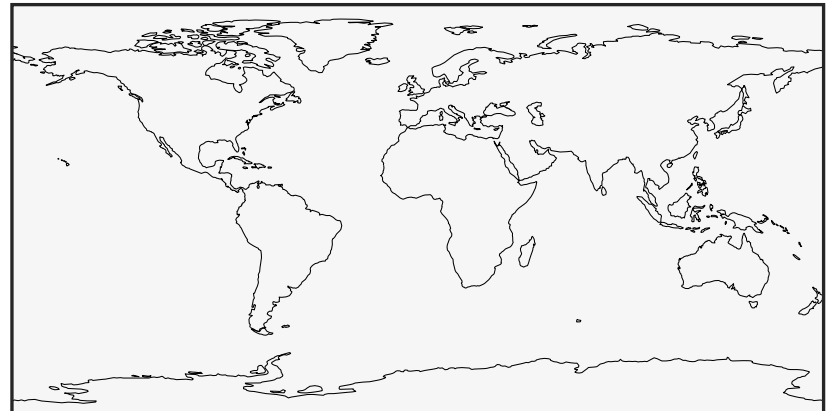
Zero throughput domain
s-1

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

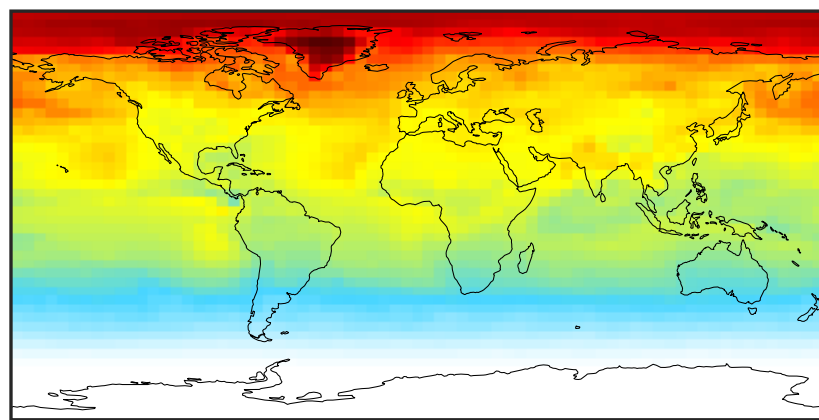
Ratio
Dev/Ref, Fixed Range



Undefined throughput domain
unitless

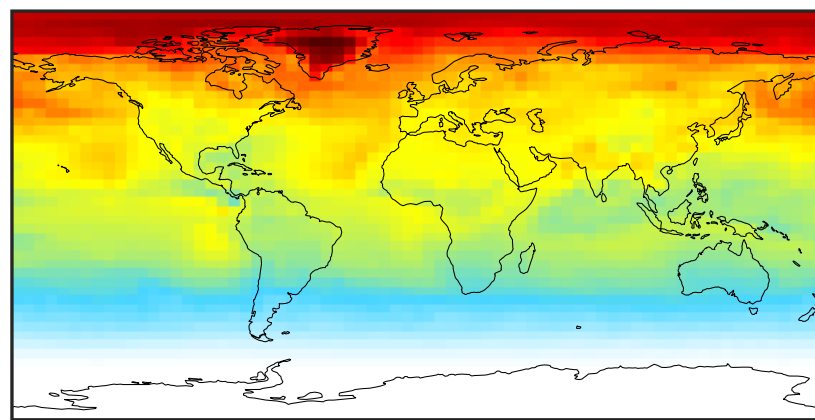
Jval_Cl2 (Jul2019)

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



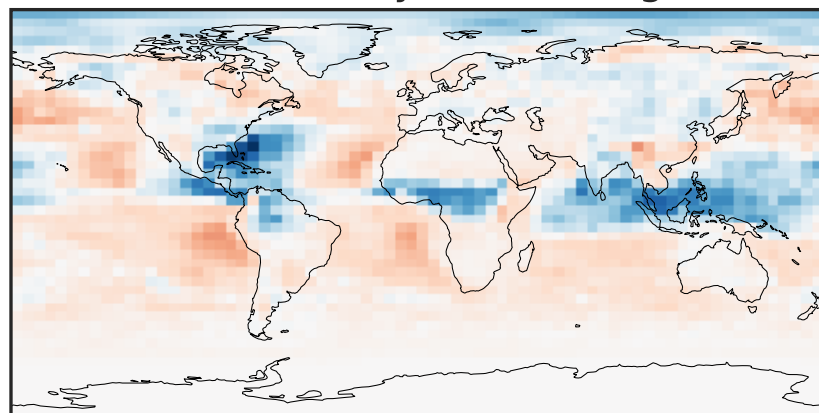
0.0000 0.0008 0.0016 0.0024
s-1

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



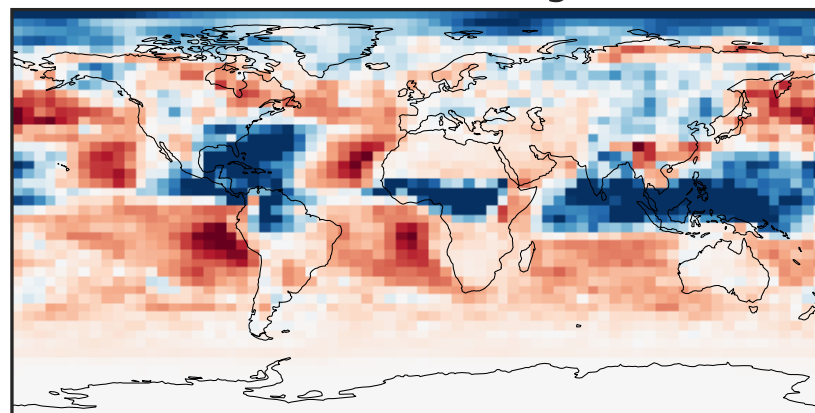
0.0000 0.0008 0.0016 0.0024
s-1

Difference
Dev - Ref, Dynamic Range



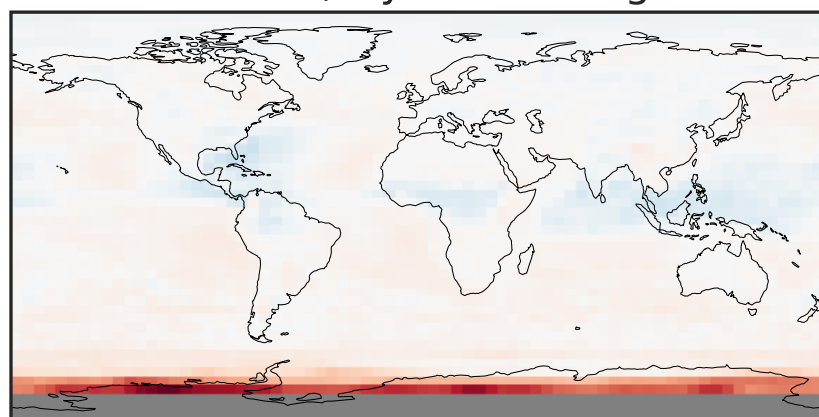
-4 0 4
s-1 1e-5

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



-1.5 0.0 1.5
s-1 1e-5

Ratio
Dev/Ref, Dynamic Range



0.7622 0.8811 1.0000 1.1560 1.3121
unitless

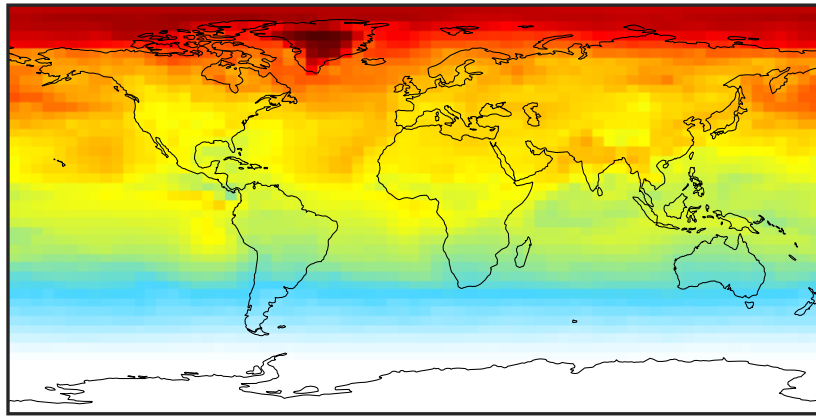
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

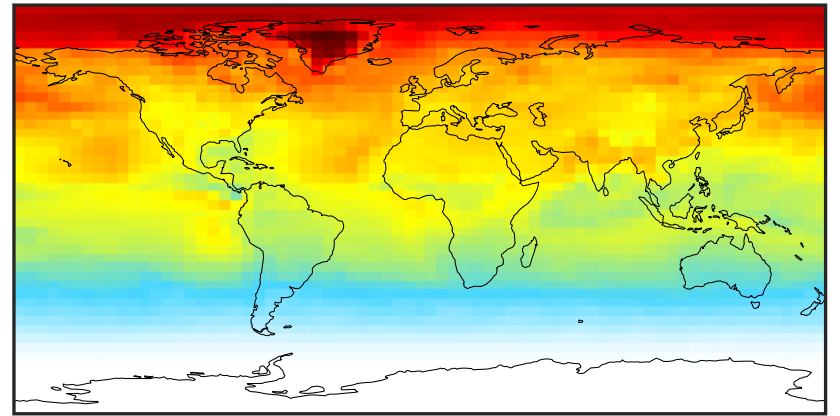
Jval_CI202 (Jul2019)

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



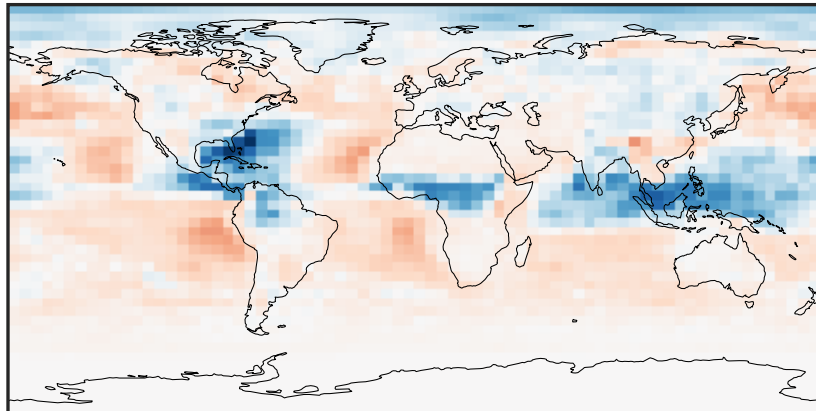
0.0000 0.0006 0.0012 0.0018
s-1

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



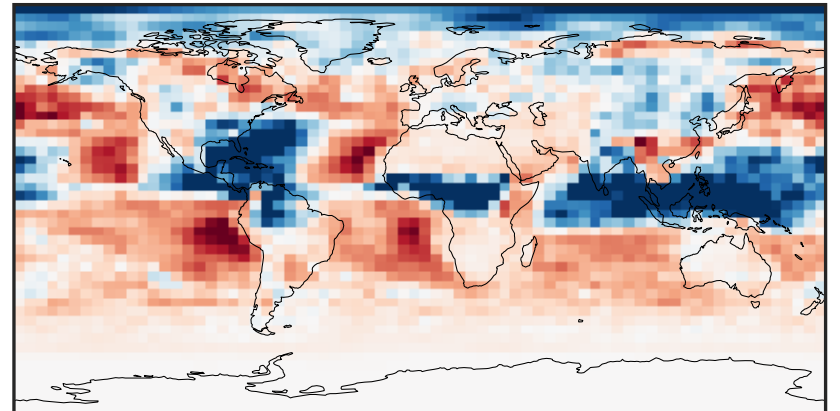
0.0000 0.0006 0.0012 0.0018
s-1

Difference
Dev - Ref, Dynamic Range



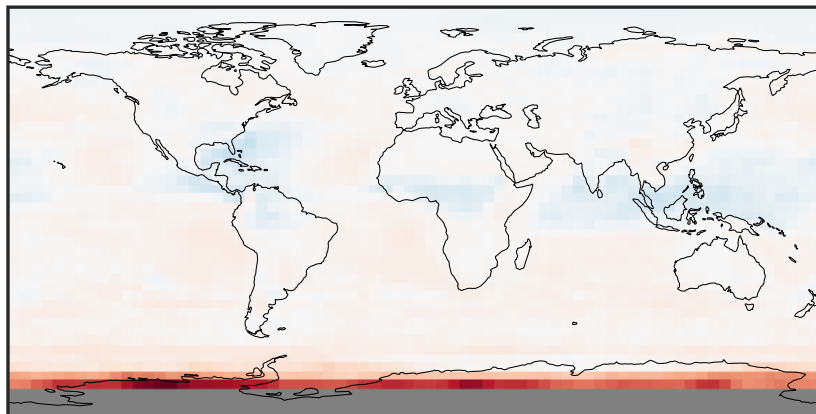
-3 0 3
s-1 1e-5

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



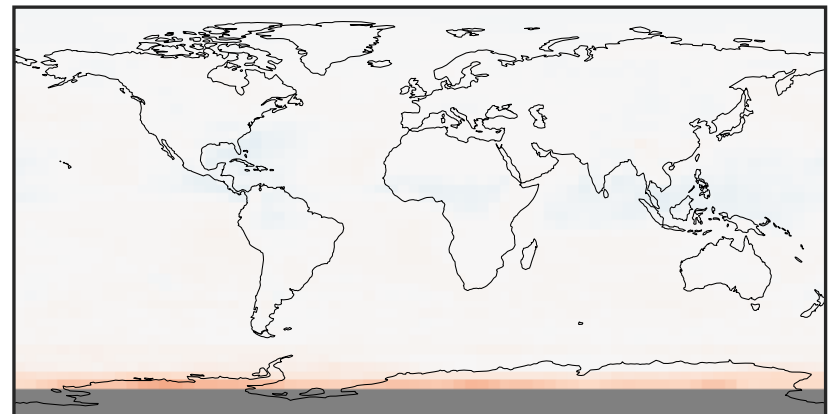
-1.5 0.0 1.5
s-1 1e-5

Ratio
Dev/Ref, Dynamic Range



0.7696 0.8848 1.0000 1.1497 1.2994
unitless

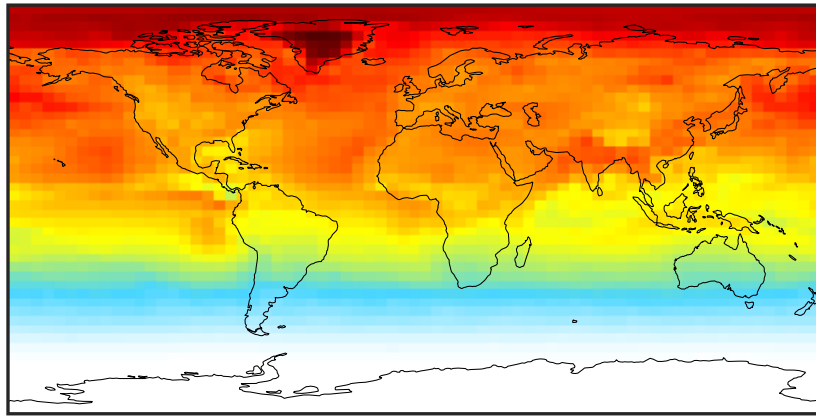
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

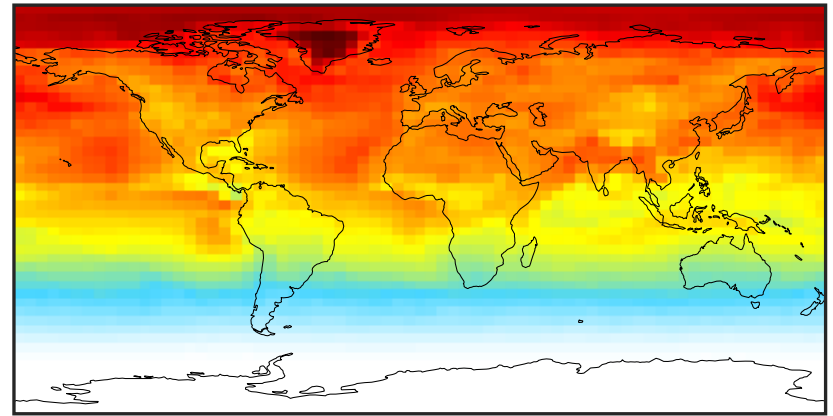
Jval_CINO2 (Jul2019)

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



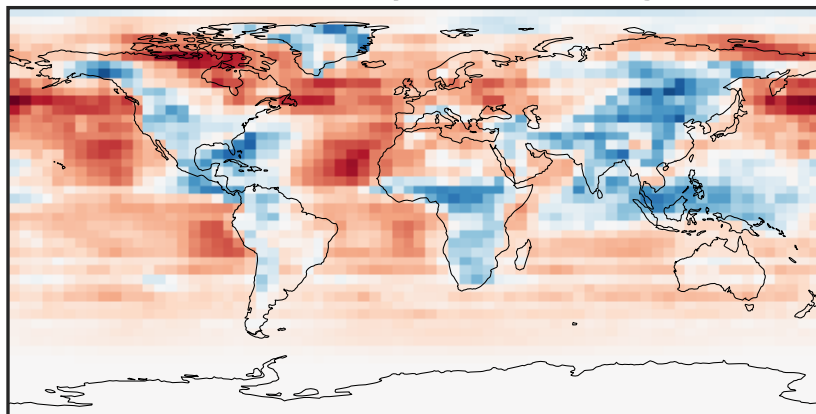
0.0000 0.0001 0.0002 0.0003
s-1

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



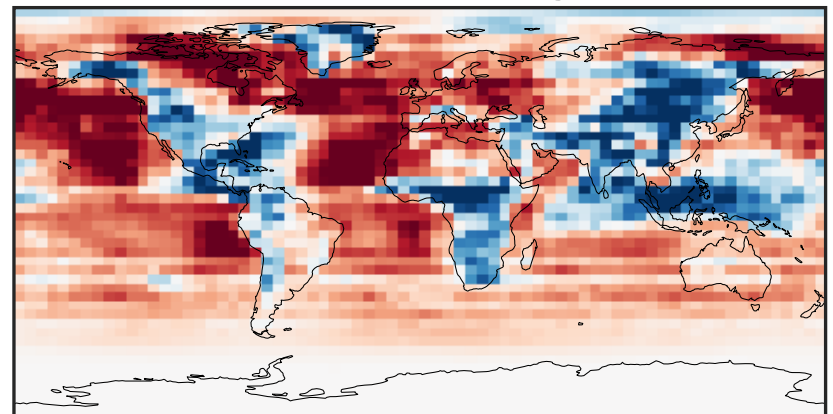
0.0000 0.0001 0.0002 0.0003
s-1

Difference
Dev - Ref, Dynamic Range



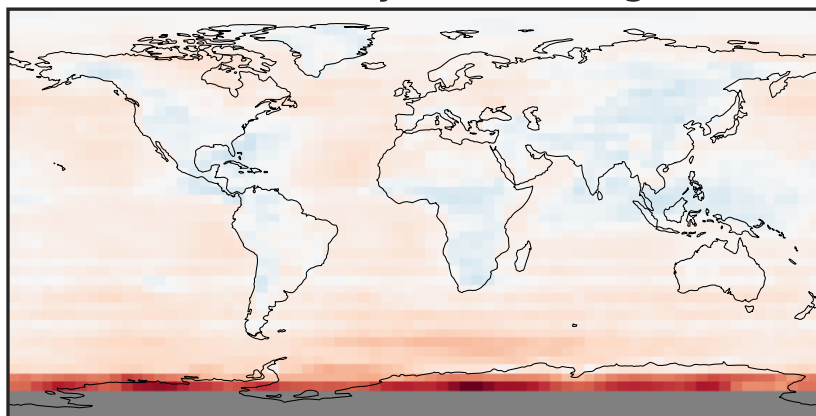
-5 0 5
s-1 1e-6

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



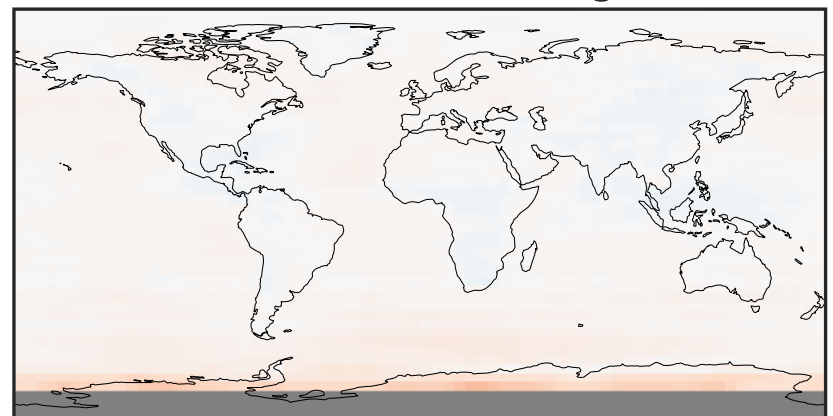
-3 0 3
s-1 1e-6

Ratio
Dev/Ref, Dynamic Range



0.8079 0.9040 1.0000 1.1189 1.2377
unitless

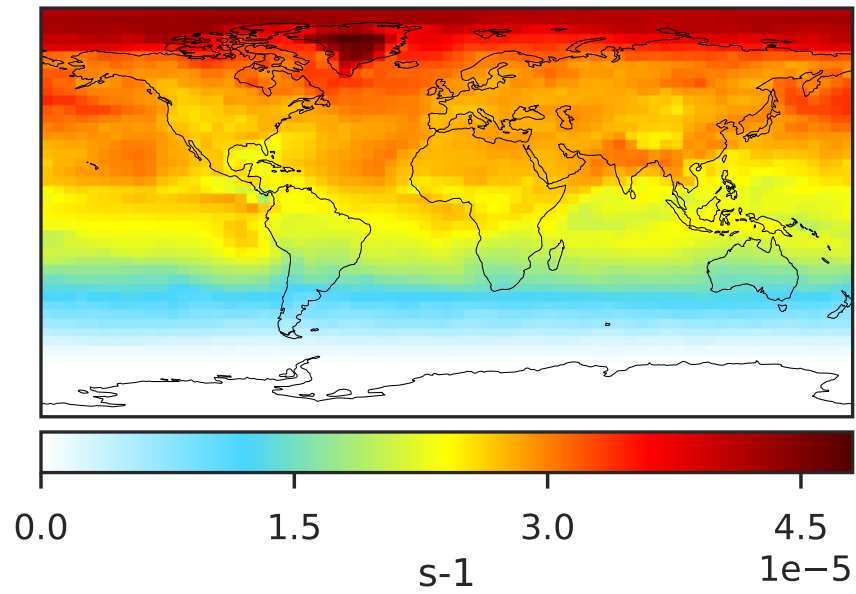
Ratio
Dev/Ref, Fixed Range



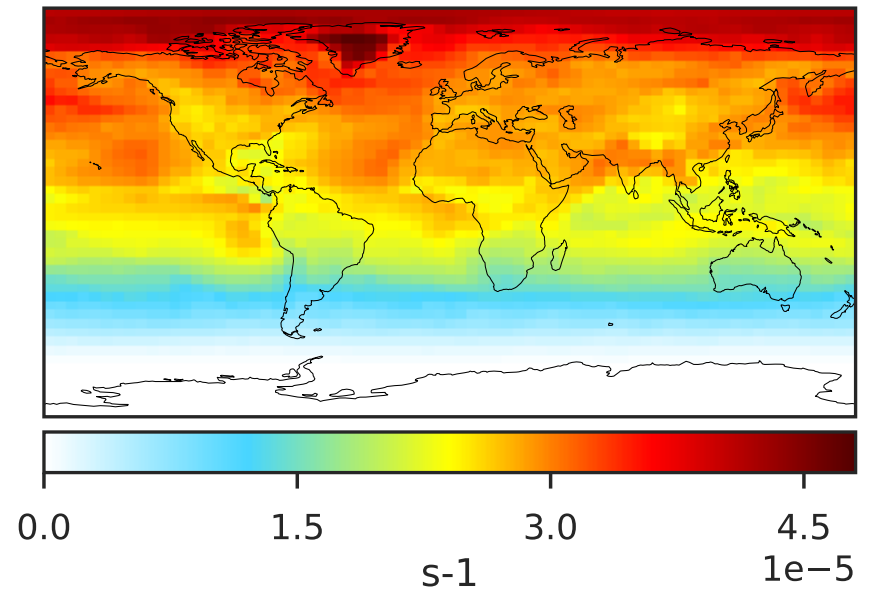
0.50 0.75 1.00 1.50 2.00
unitless

Jval_CINO3 (Jul2019)

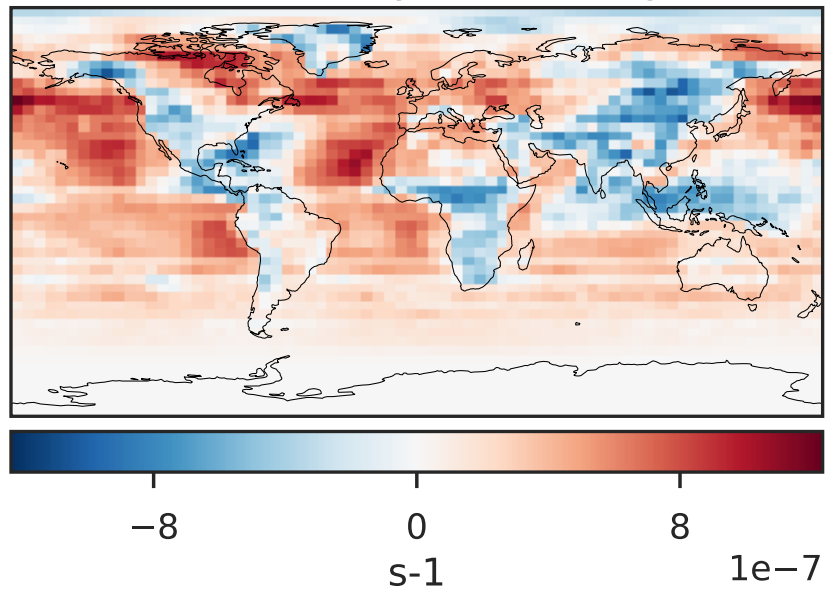
14.2.0-rc.2 (Ref)
4.0x5.0



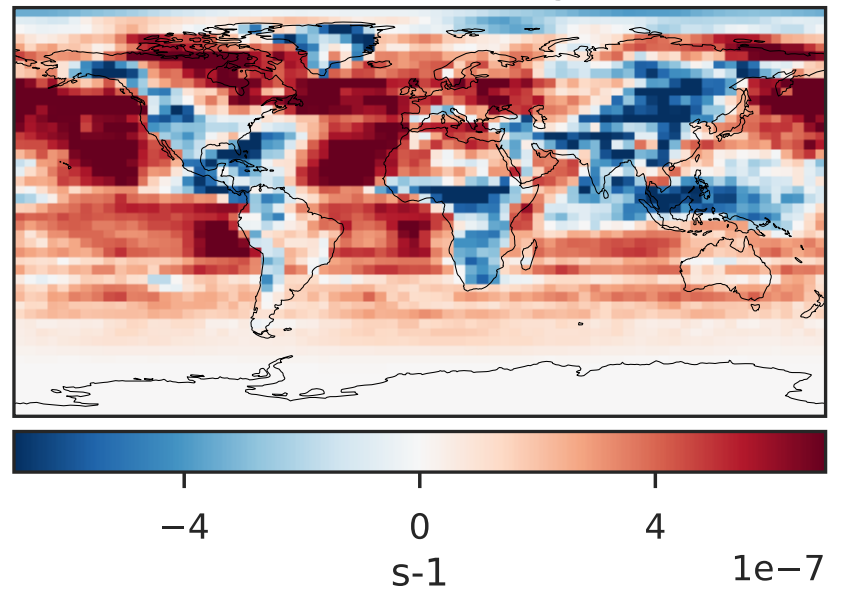
14.3.0-rc.0 (Dev)
4.0x5.0



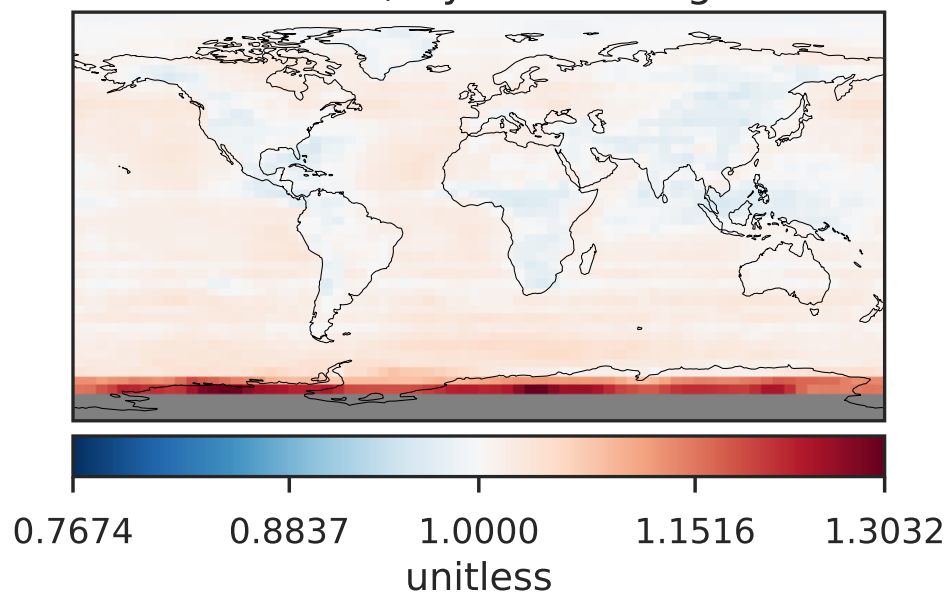
Difference
Dev - Ref, Dynamic Range



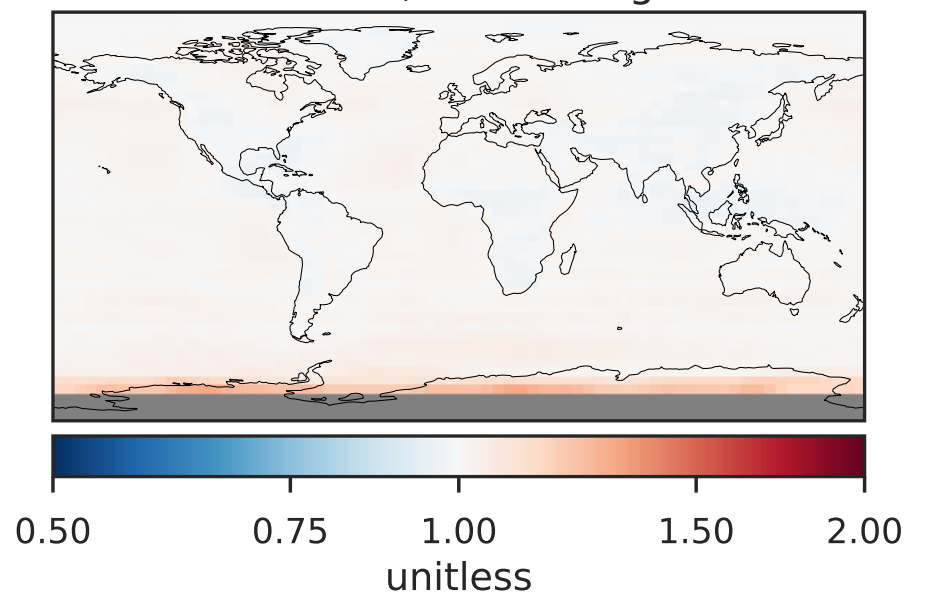
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

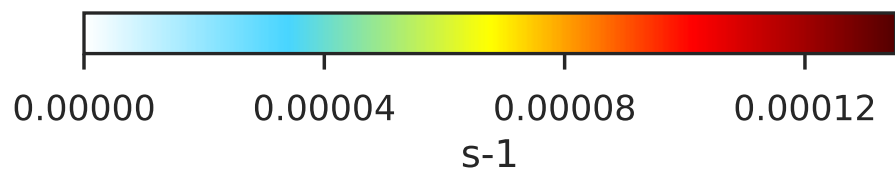
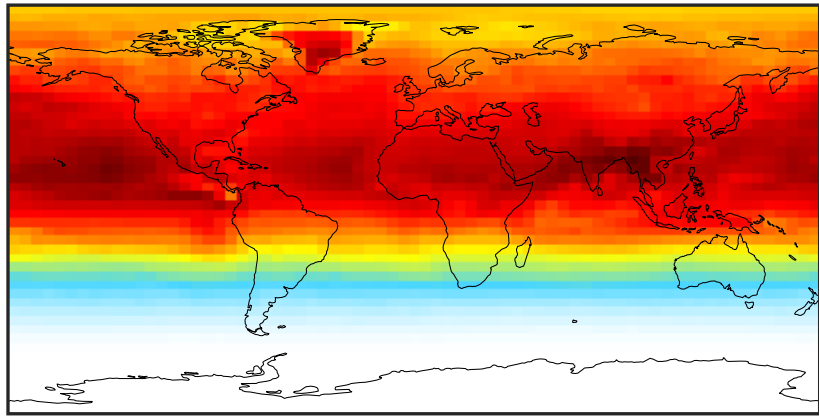


Ratio
Dev/Ref, Fixed Range

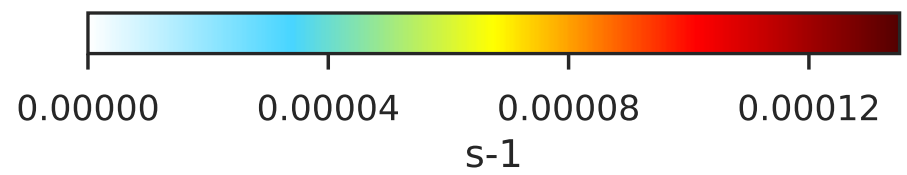
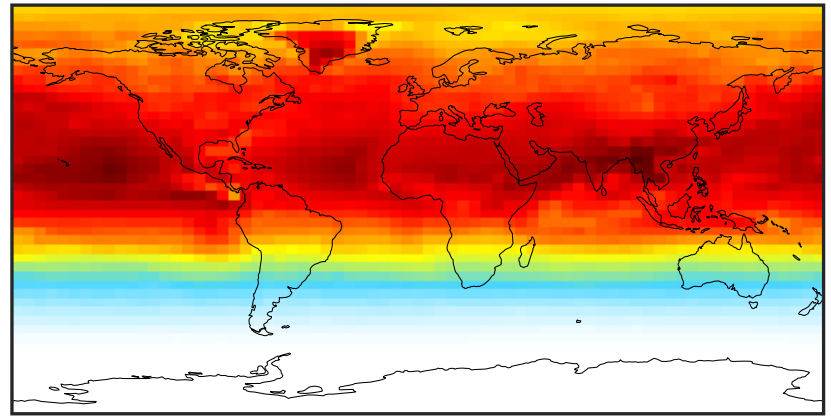


Jval_CIO (Jul2019)

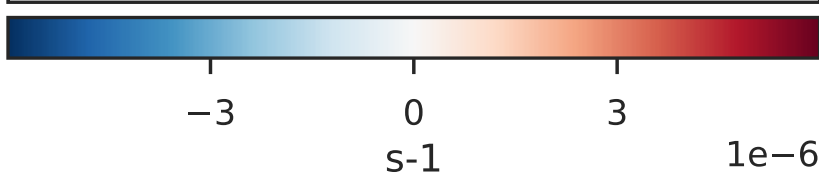
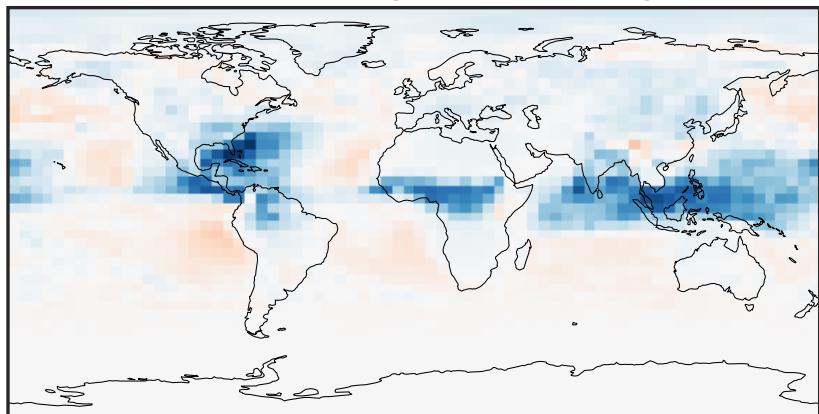
14.2.0-rc.2 (Ref)
4.0x5.0



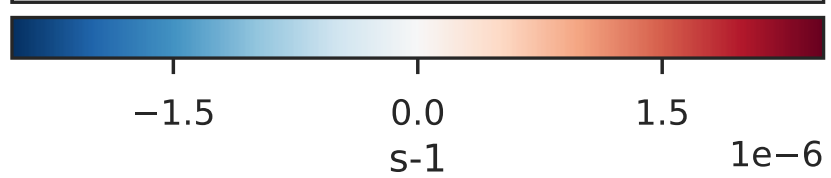
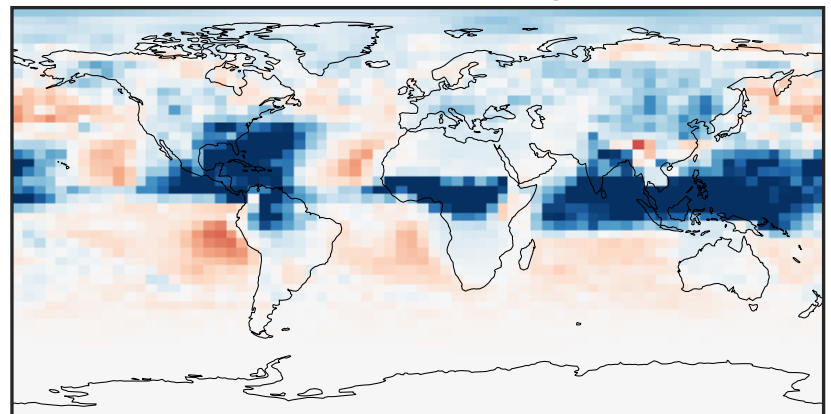
14.3.0-rc.0 (Dev)
4.0x5.0



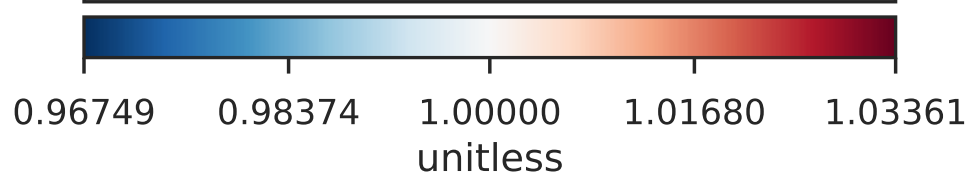
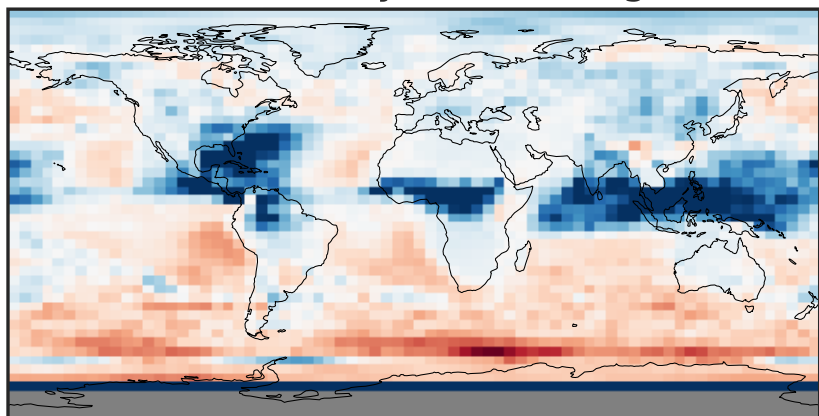
Difference
Dev - Ref, Dynamic Range



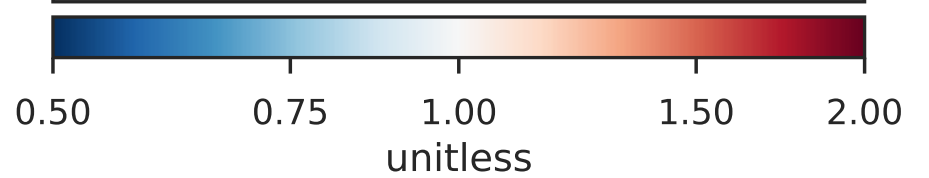
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

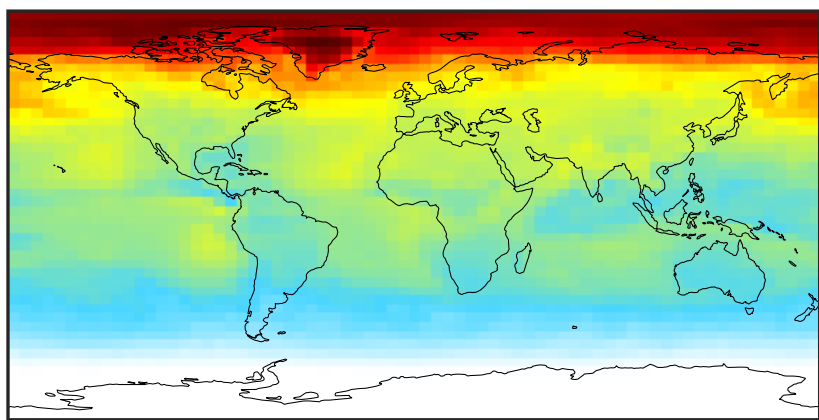


Ratio
Dev/Ref, Fixed Range



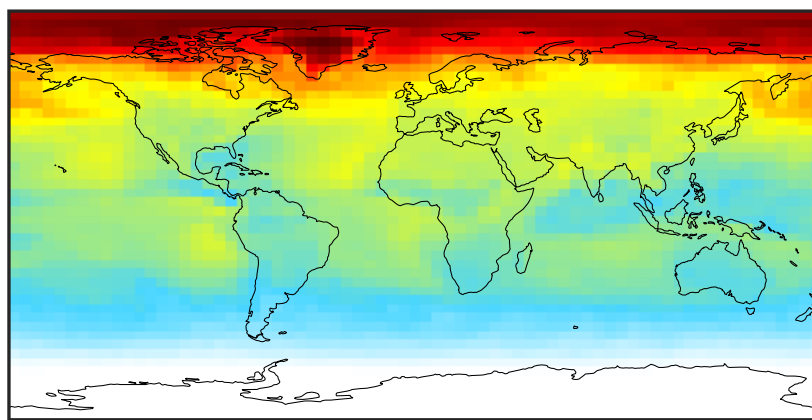
Jval_C100 (Jul2019)

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



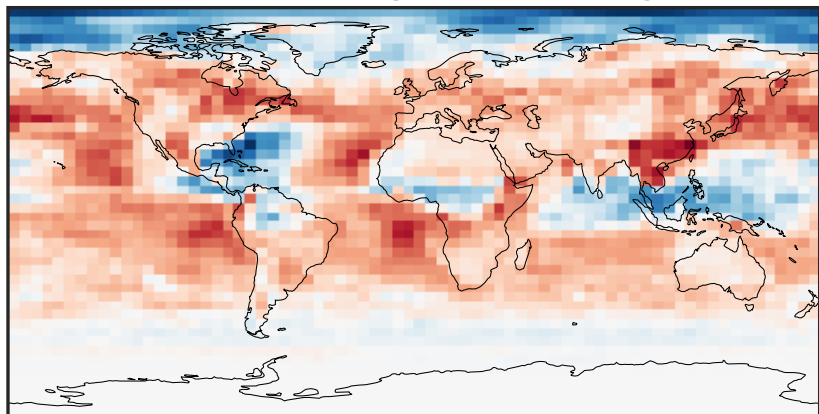
0.0000 0.1758 0.3516 0.5273 0.7031
s-1

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



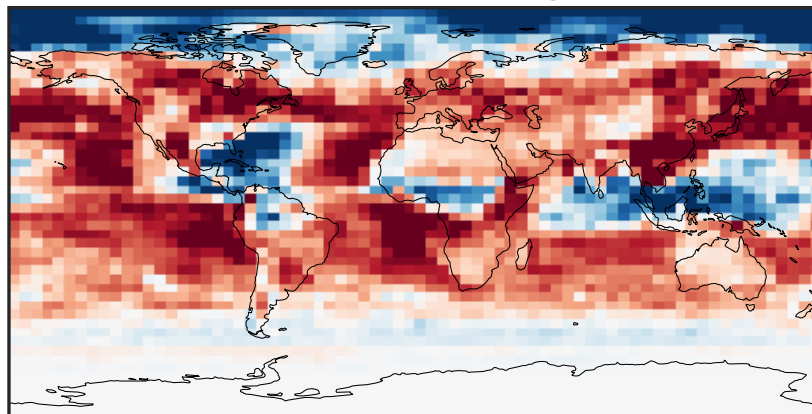
0.0000 0.1758 0.3516 0.5273 0.7031
s-1

Difference
Dev - Ref, Dynamic Range



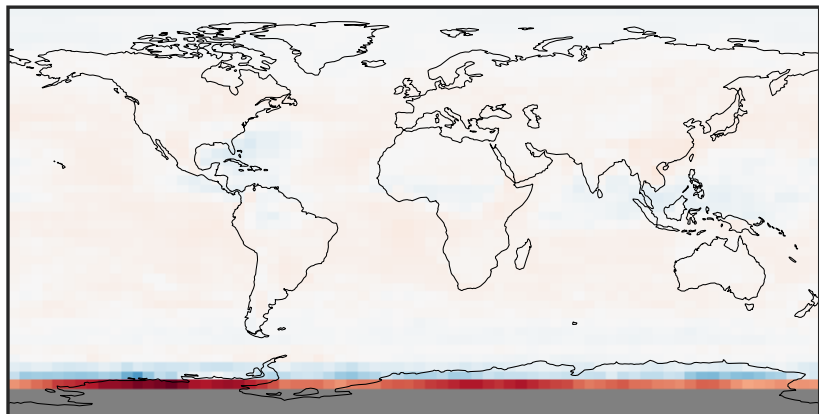
-0.008 0.000 0.008
s-1

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



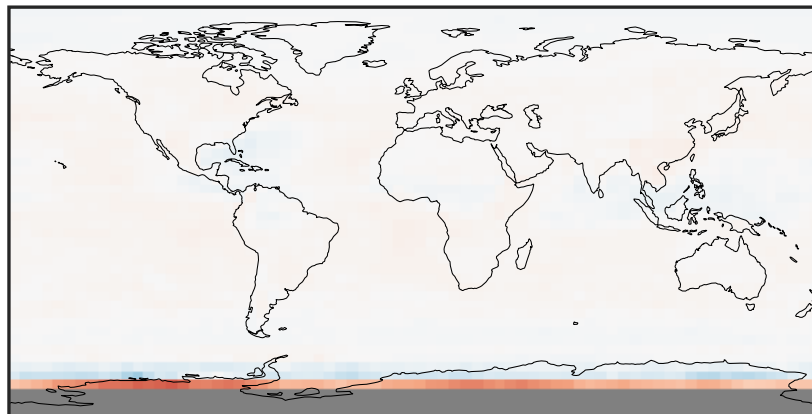
-0.004 0.000 0.004
s-1

Ratio
Dev/Ref, Dynamic Range



0.6522 0.8261 1.0000 1.2667 1.5333
unitless

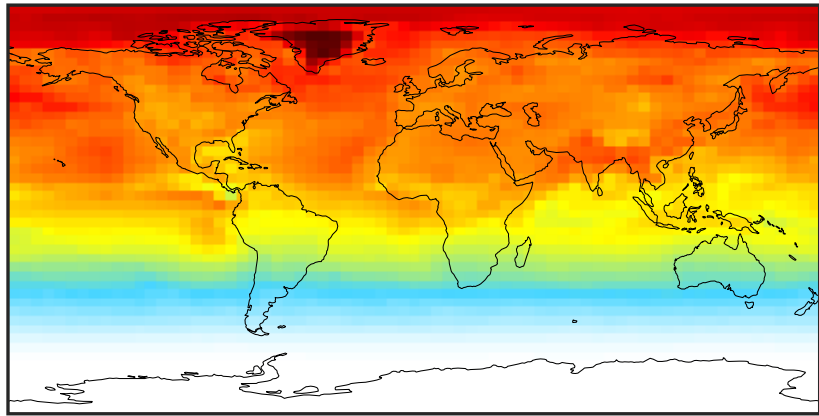
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

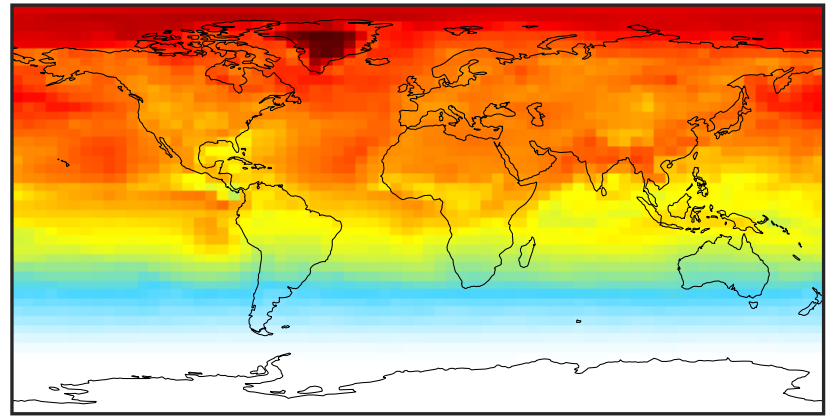
Jval_ETHLN (Jul2019)

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



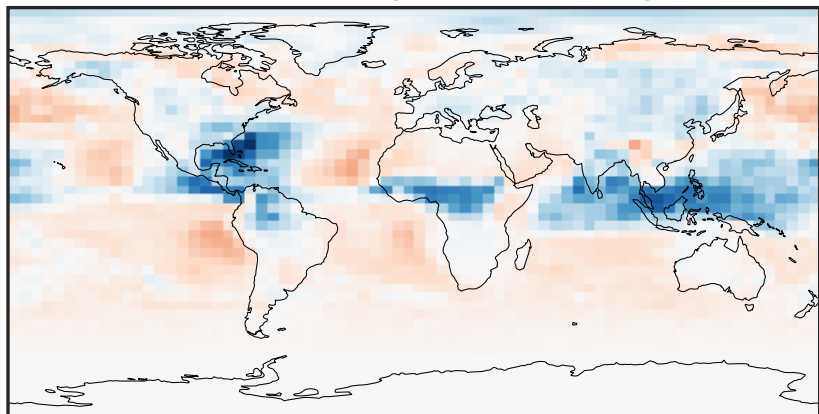
0.00000 0.00004 0.00008 0.00012
s-1

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



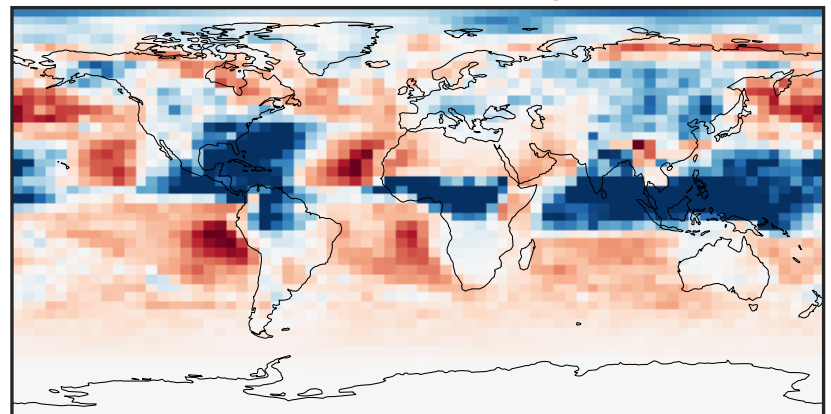
0.00000 0.00004 0.00008 0.00012
s-1

Difference
Dev - Ref, Dynamic Range



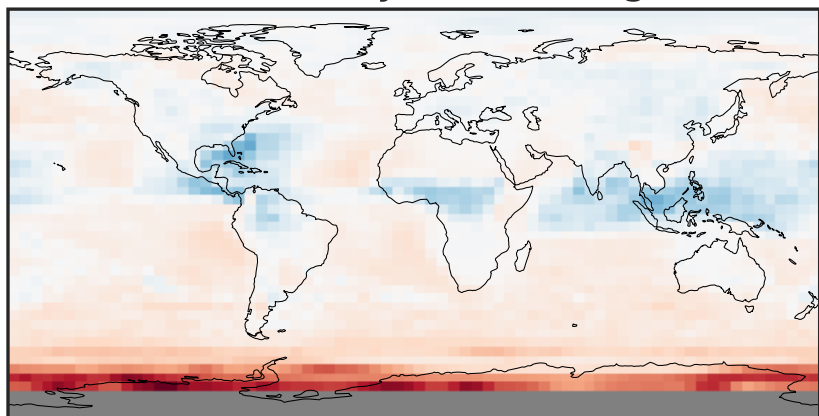
-2 0 2
s-1 1e-6

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



-8 0 8
s-1 1e-7

Ratio
Dev/Ref, Dynamic Range



0.8906 0.9453 1.000 1.0614 1.1229
unitless

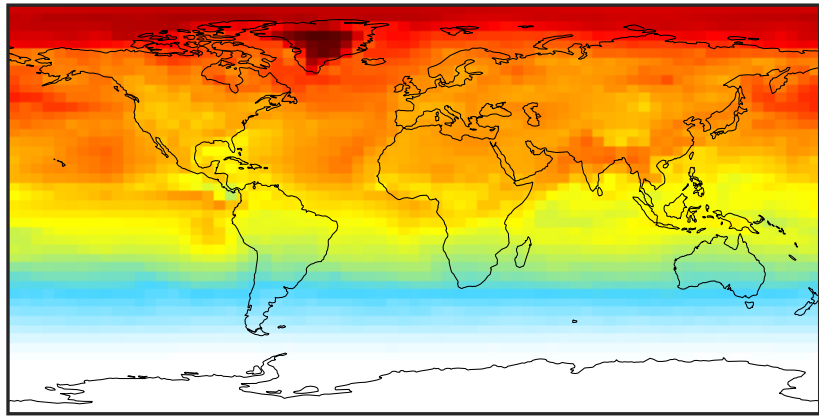
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

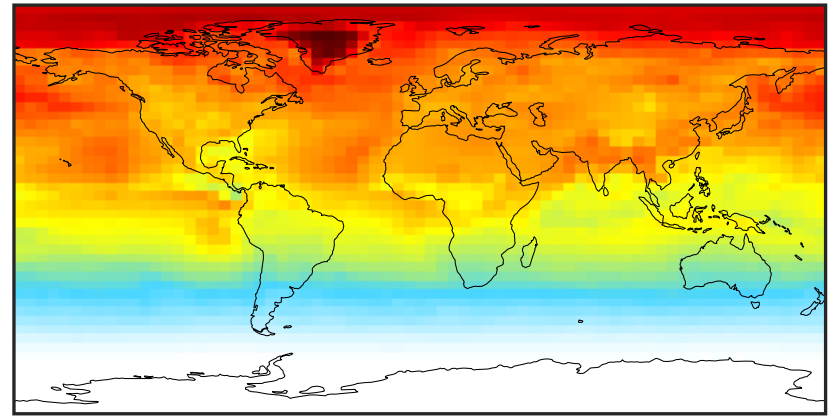
Jval_ETHP (Jul2019)

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



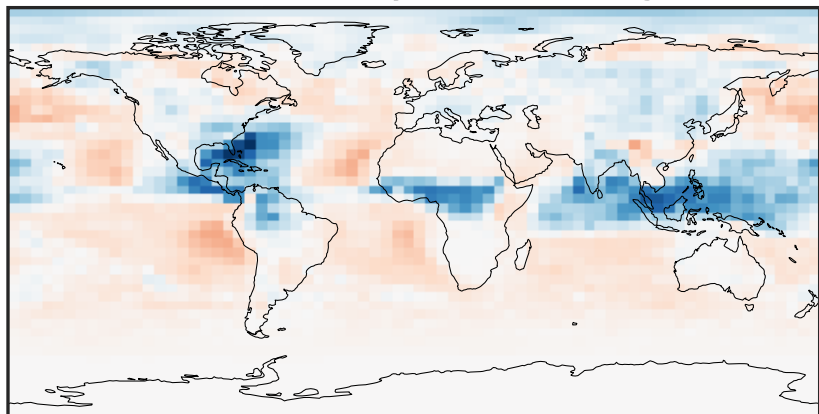
0.0 1.5 3.0 4.5 $1e-6$
s-1

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



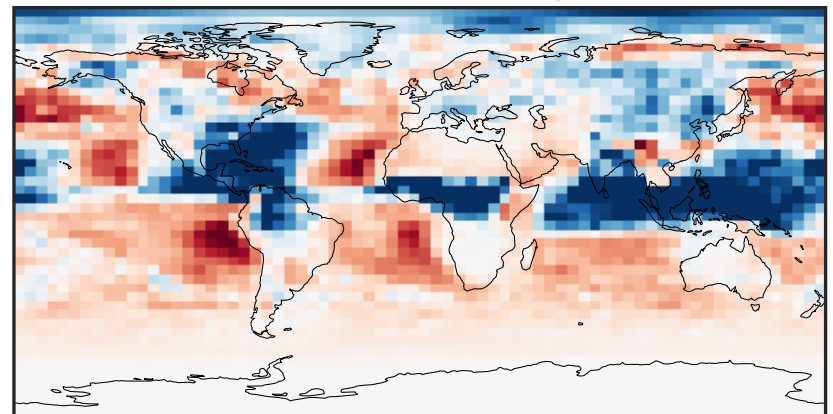
0.0 1.5 3.0 4.5 $1e-6$
s-1

Difference
Dev - Ref, Dynamic Range



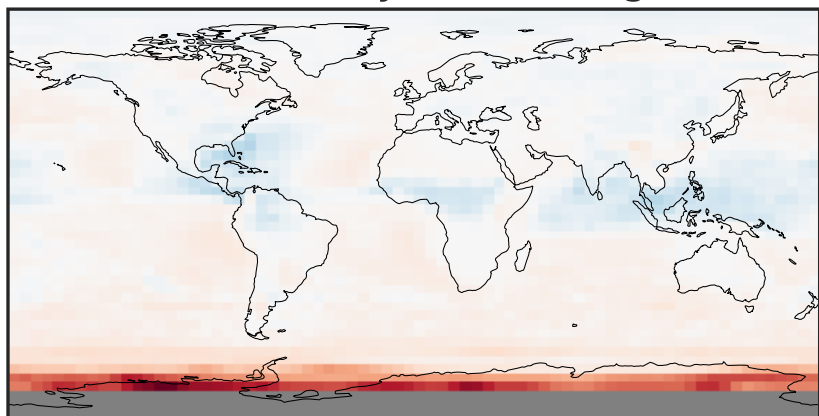
-1 0 1 $1e-7$
s-1

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



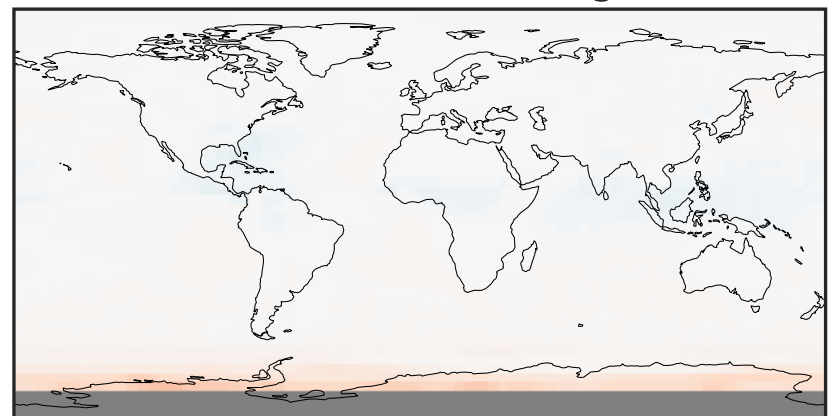
-4 0 4 $1e-8$
s-1

Ratio
Dev/Ref, Dynamic Range



0.8173 0.9086 1.0000 1.1118 1.2236
unitless

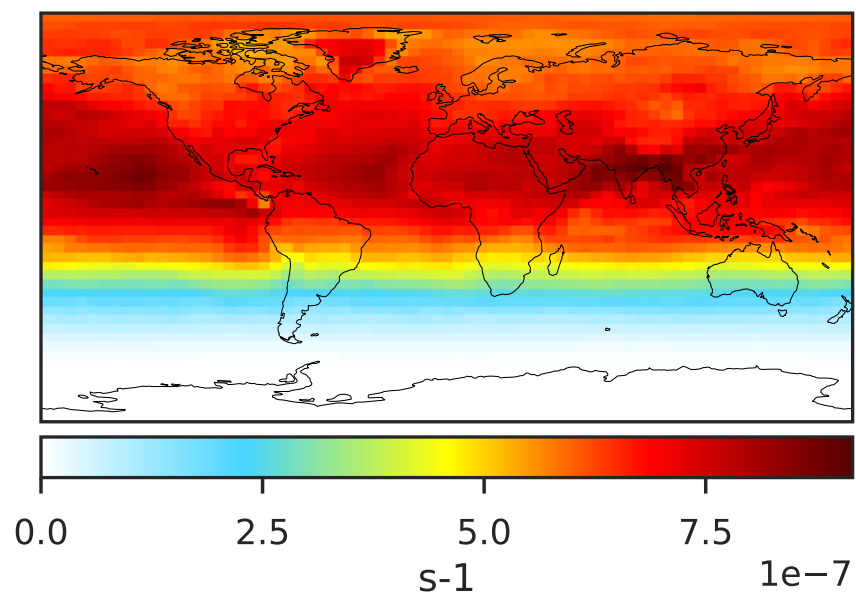
Ratio
Dev/Ref, Fixed Range



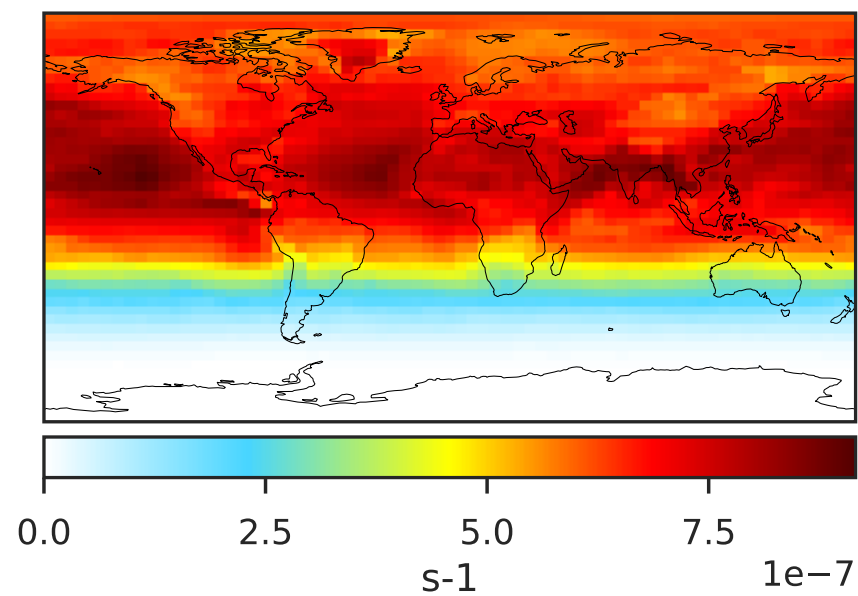
0.50 0.75 1.00 1.50 2.00
unitless

Jval_ETNO3 (Jul2019)

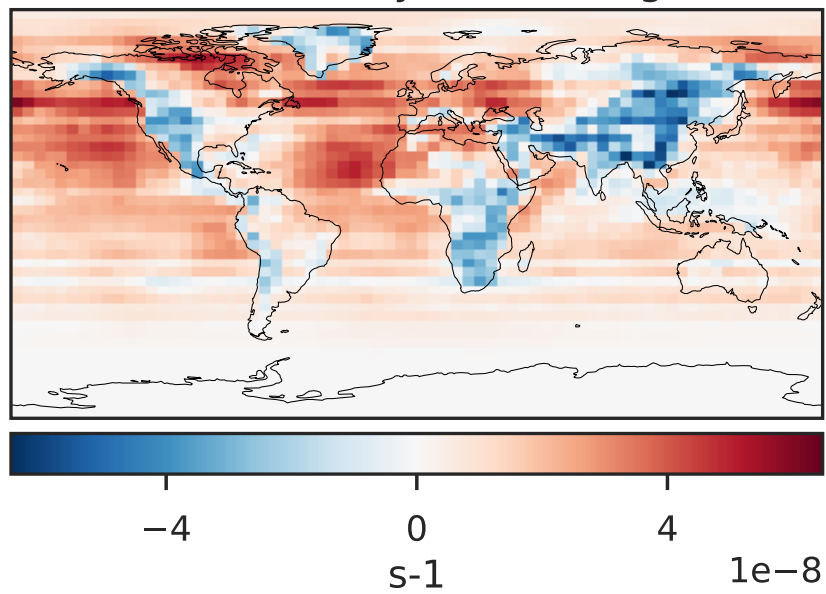
14.2.0-rc.2 (Ref)
4.0x5.0



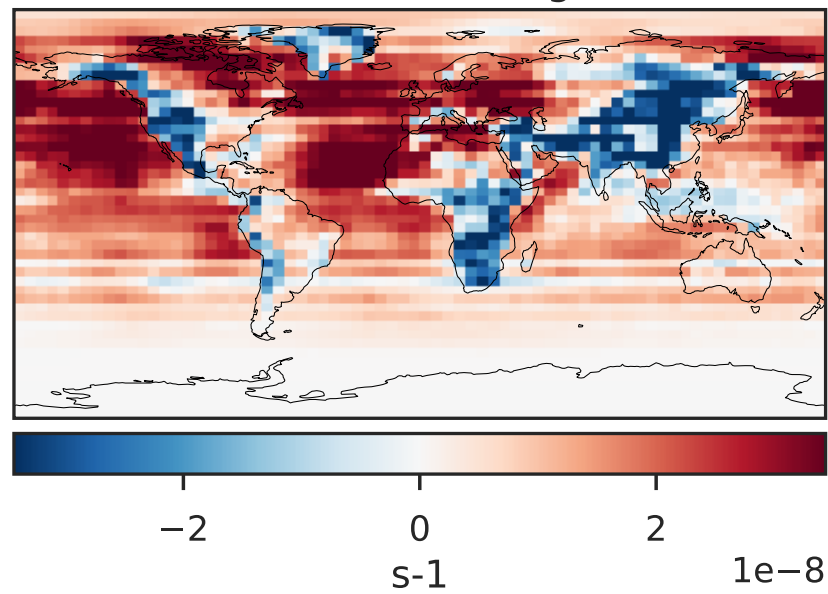
14.3.0-rc.0 (Dev)
4.0x5.0



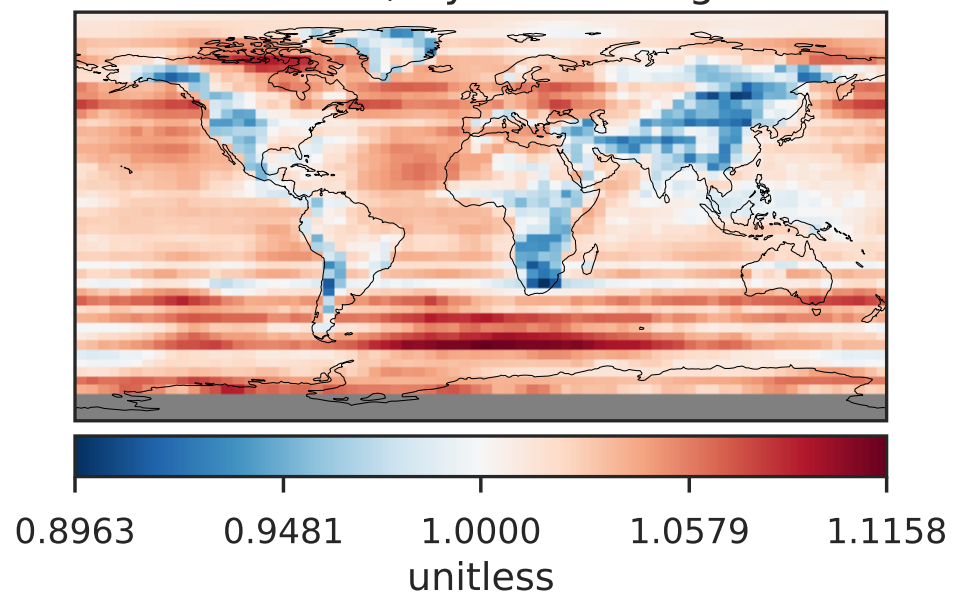
Difference
Dev - Ref, Dynamic Range



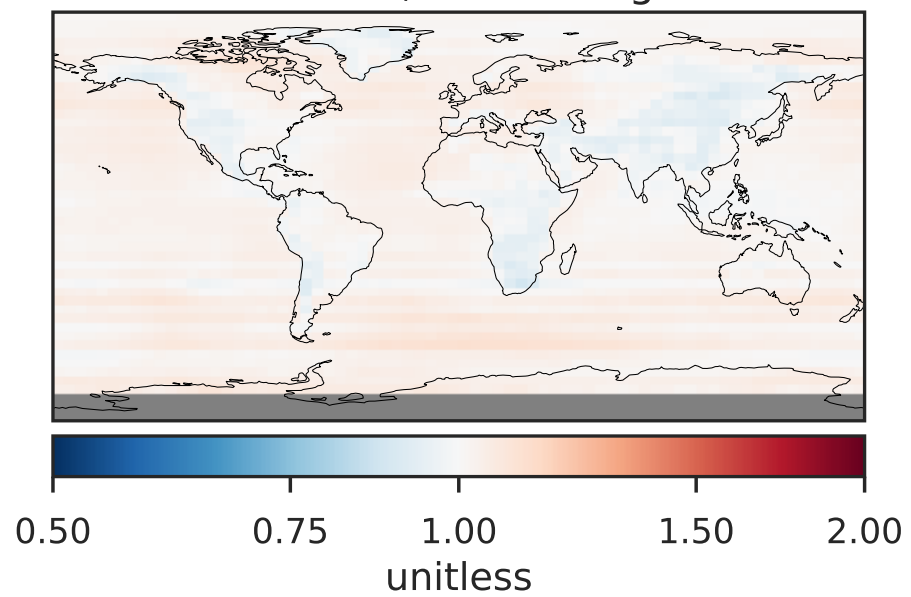
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

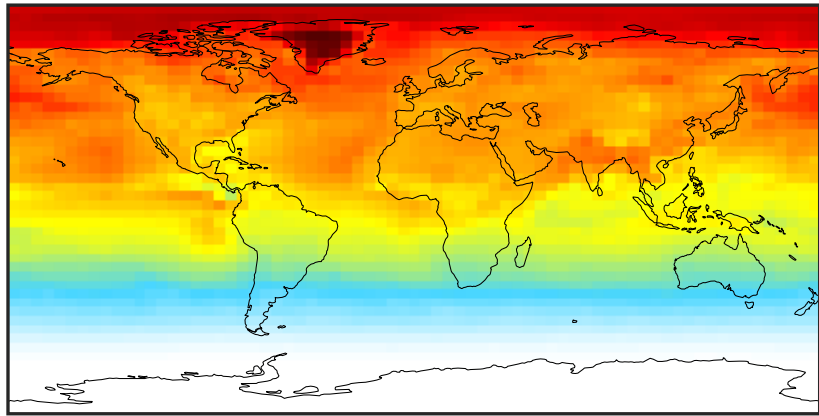


Ratio
Dev/Ref, Fixed Range



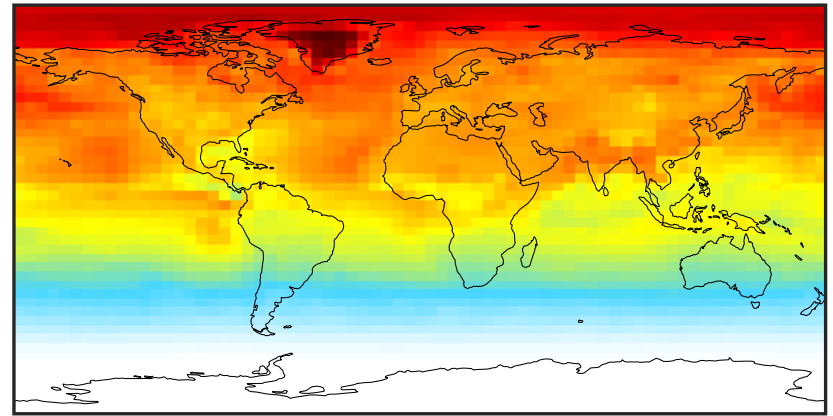
Jval_ETP (Jul2019)

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



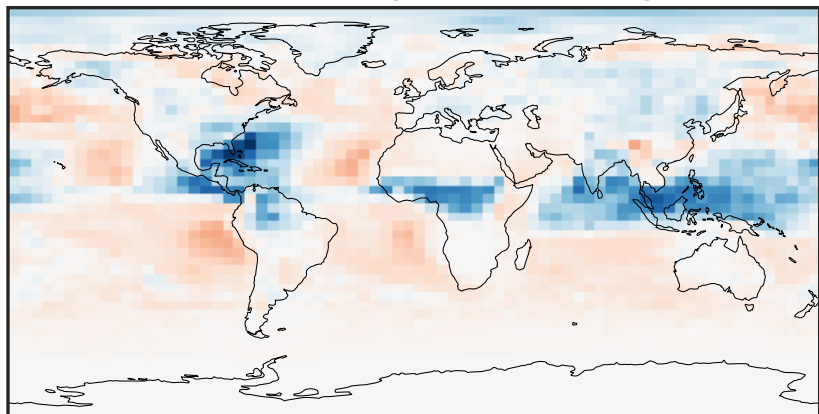
0.0 0.8 1.6 2.4
s-1 $1e-6$

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



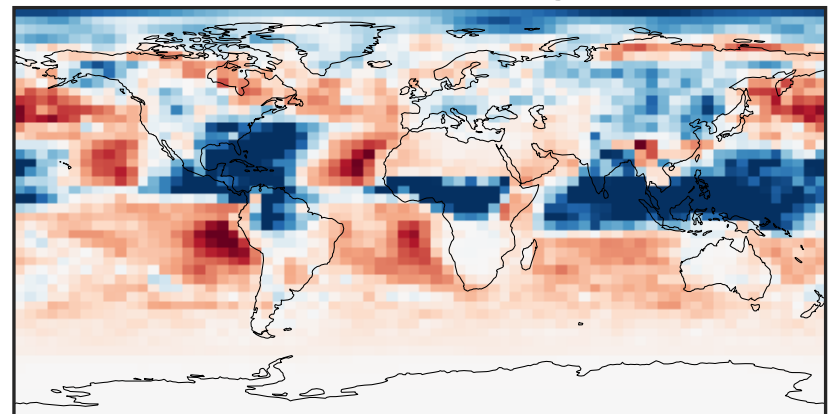
0.0 0.8 1.6 2.4
s-1 $1e-6$

Difference
Dev - Ref, Dynamic Range



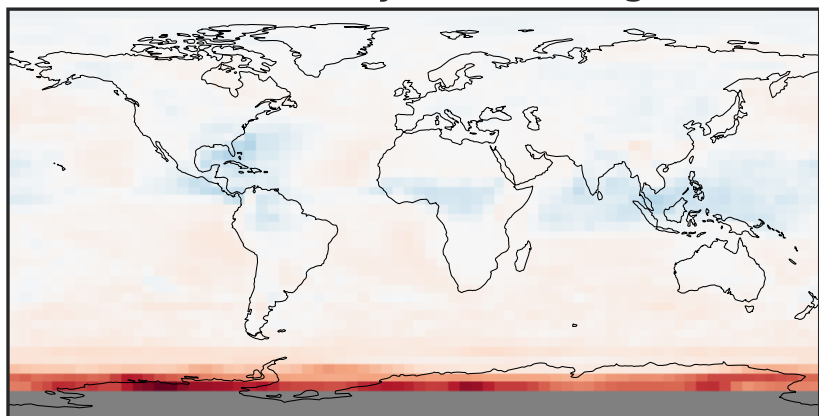
-5 0 5
s-1 $1e-8$

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



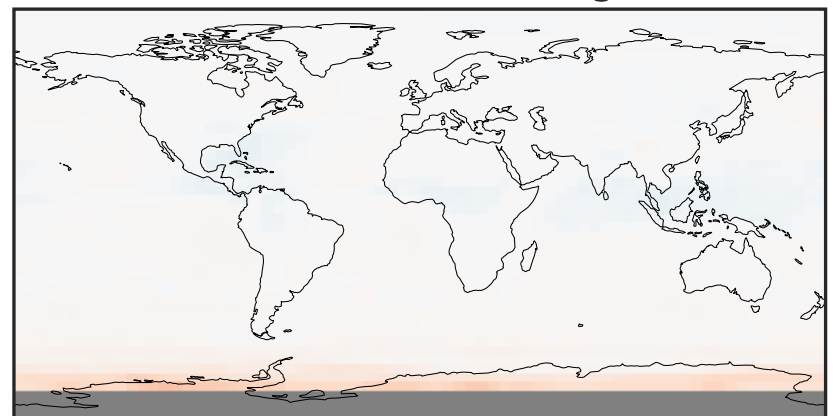
-2 0 2
s-1 $1e-8$

Ratio
Dev/Ref, Dynamic Range



0.8173 0.9086 1.0000 1.1118 1.2236
unitless

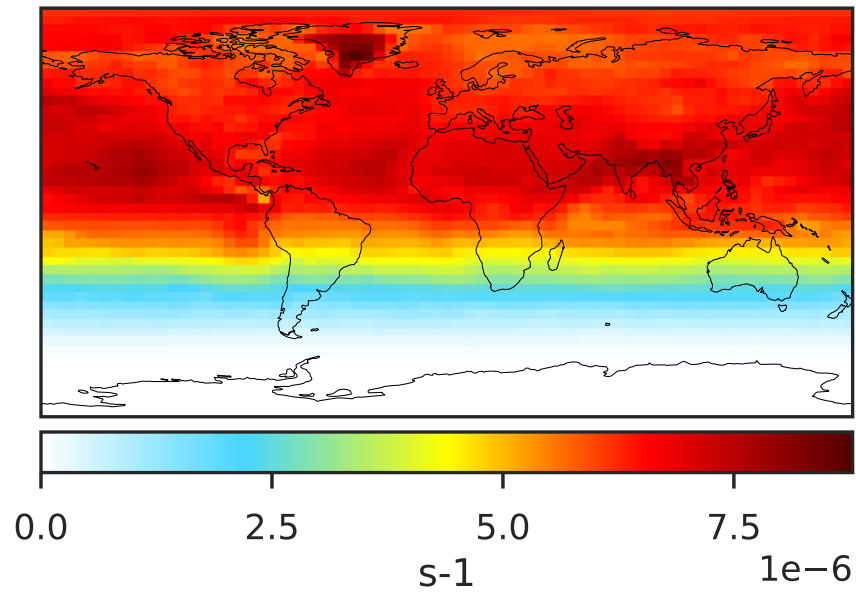
Ratio
Dev/Ref, Fixed Range



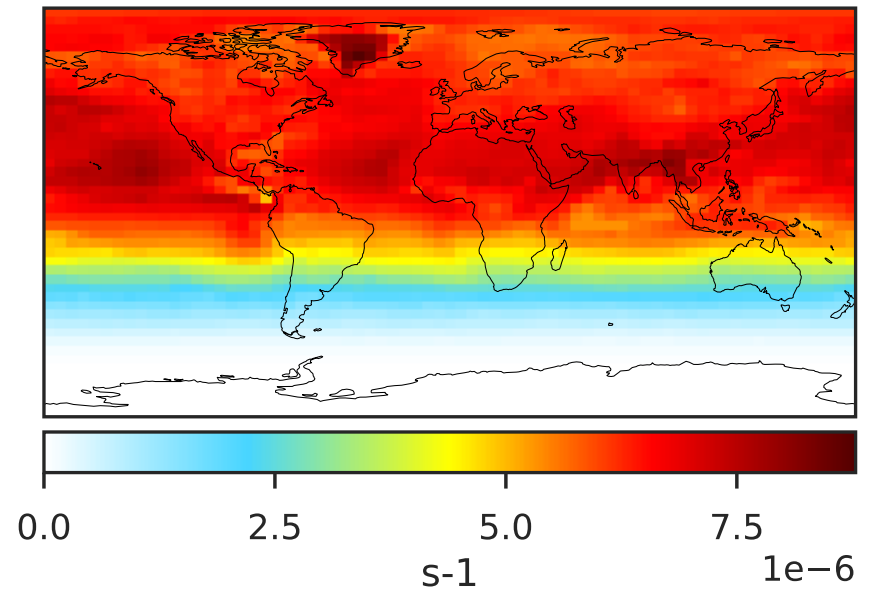
0.50 0.75 1.00 1.50 2.00
unitless

Jval_GLYC (Jul2019)

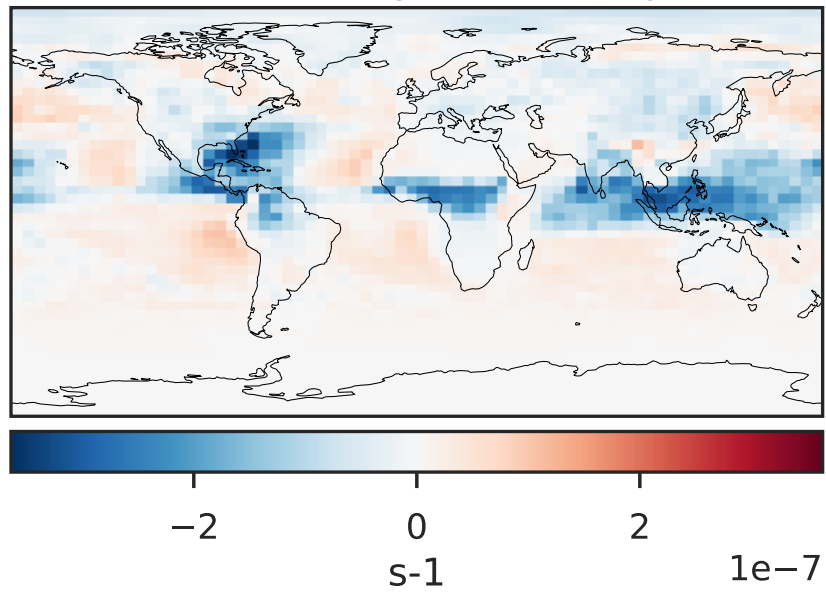
14.2.0-rc.2 (Ref)
4.0x5.0



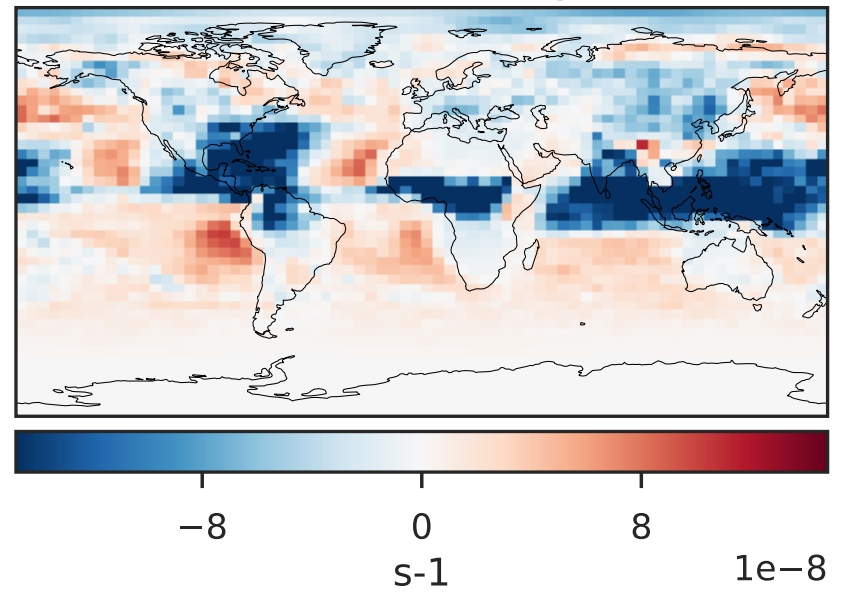
14.3.0-rc.0 (Dev)
4.0x5.0



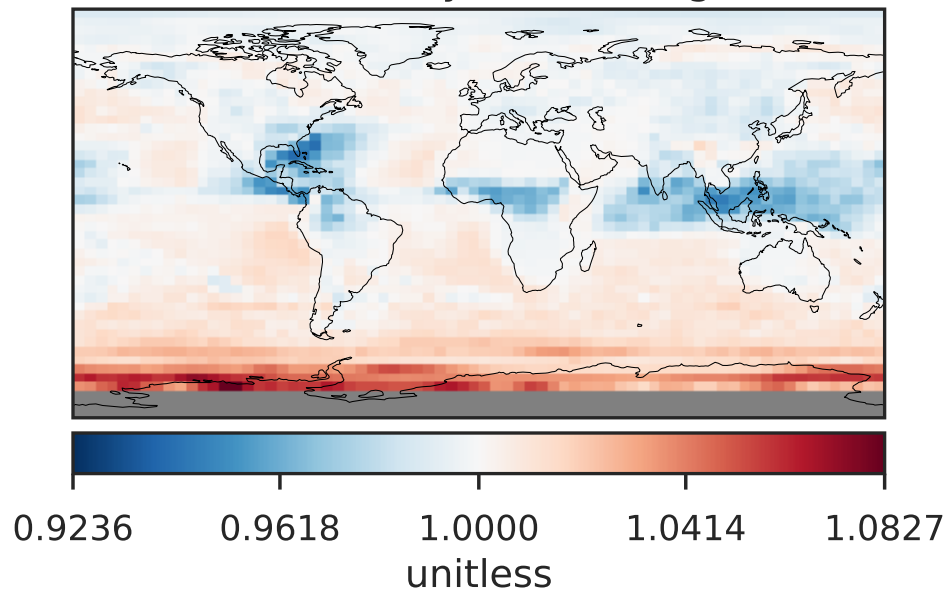
Difference
Dev - Ref, Dynamic Range



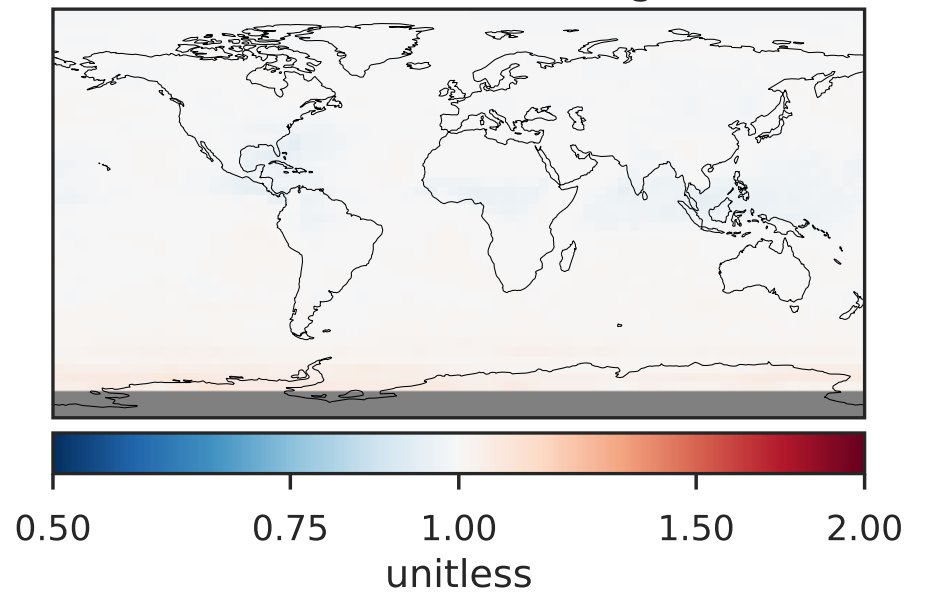
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

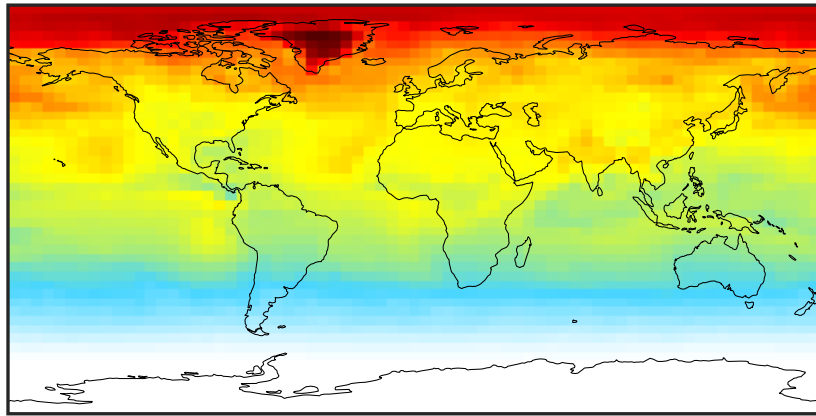


Ratio
Dev/Ref, Fixed Range



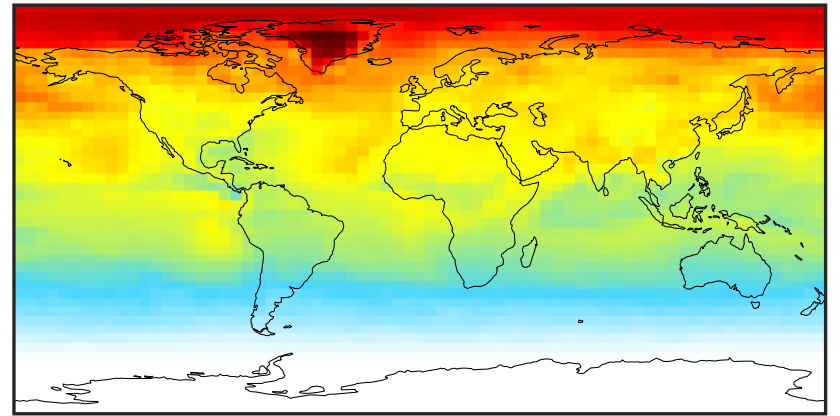
Jval_GLYX (Jul2019)

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



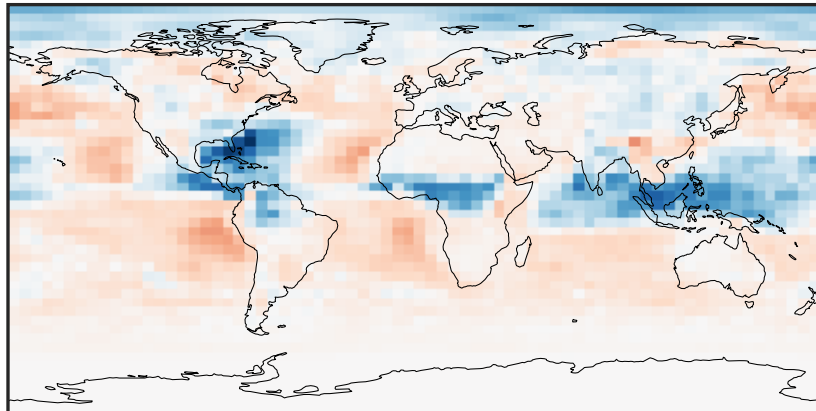
0.00000 0.00005 0.00010 0.00015
s-1

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



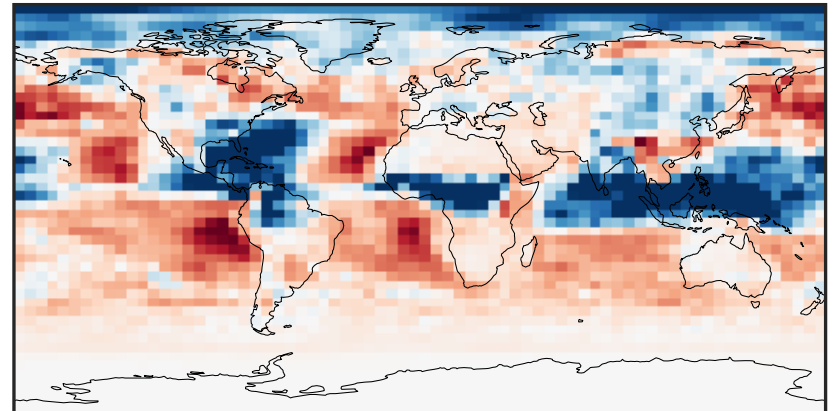
0.00000 0.00005 0.00010 0.00015
s-1

Difference
Dev - Ref, Dynamic Range



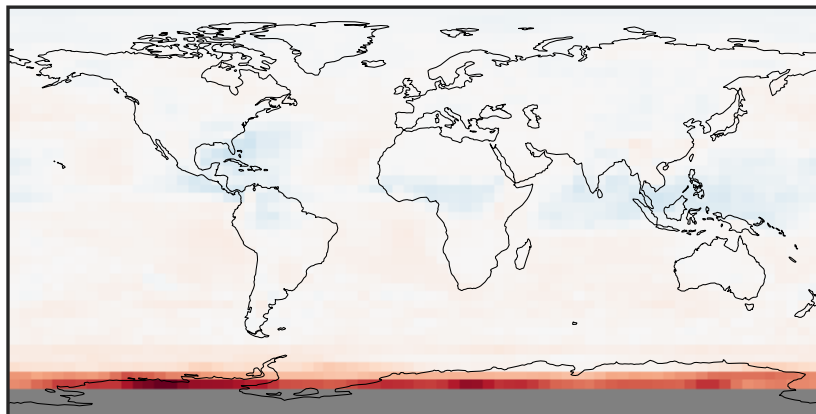
-2.5 0.0 2.5
s-1 1e-6

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



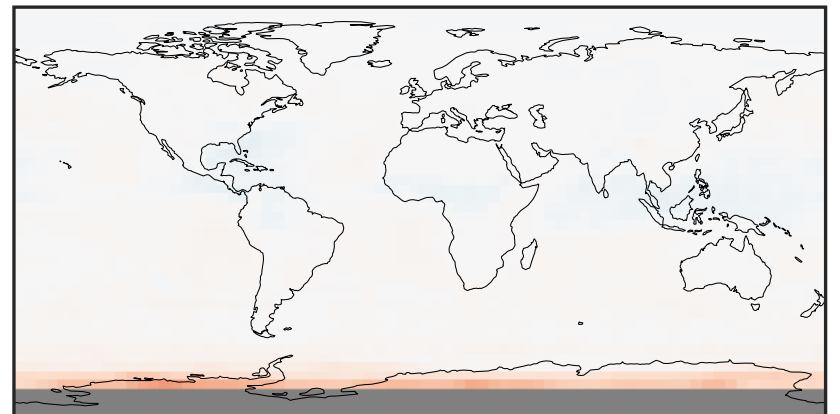
-1 0 1
s-1 1e-6

Ratio
Dev/Ref, Dynamic Range



0.7463 0.8732 1.000 1.1700 1.3399
unitless

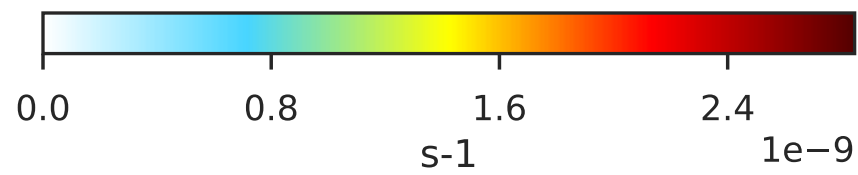
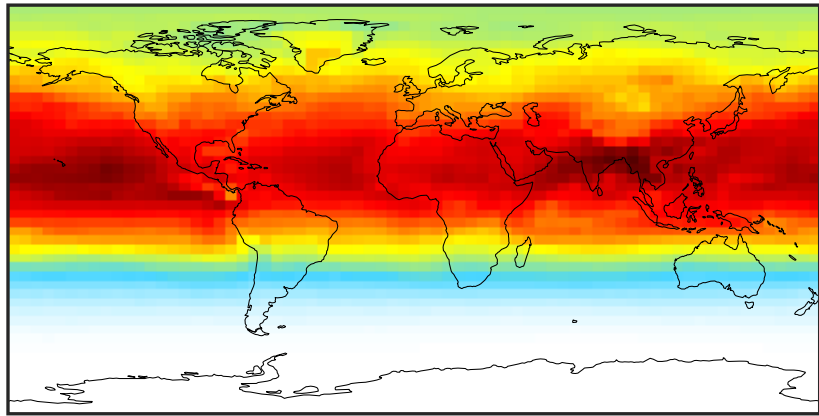
Ratio
Dev/Ref, Fixed Range



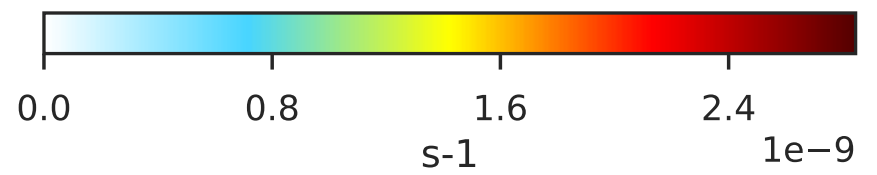
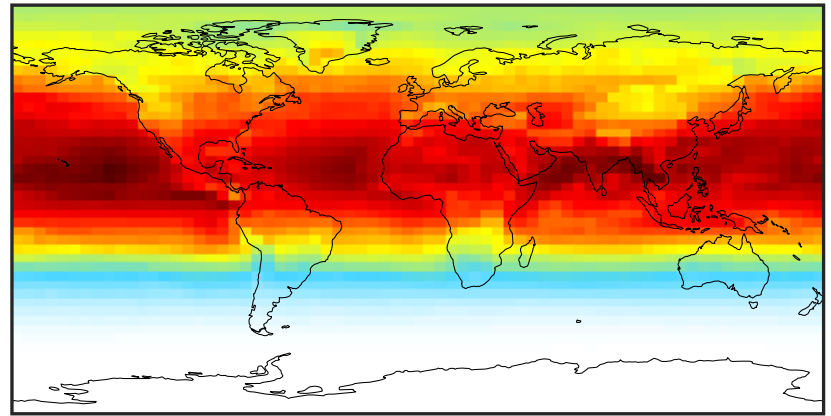
0.50 0.75 1.00 1.50 2.00
unitless

Jval_H1211 (Jul2019)

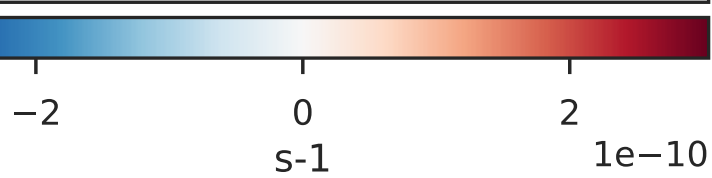
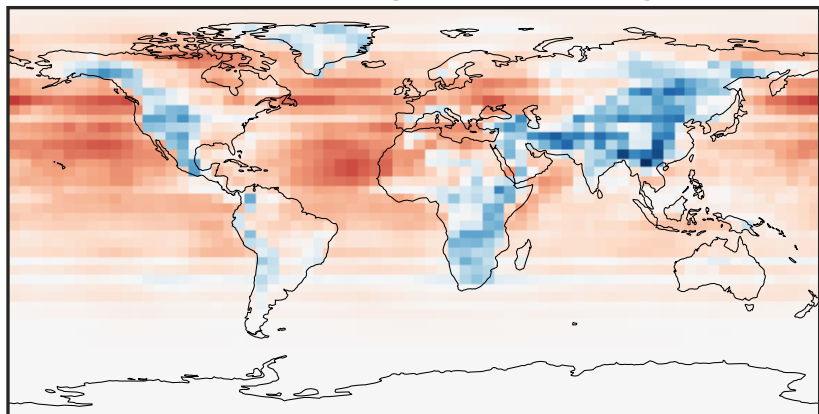
14.2.0-rc.2 (Ref)
4.0x5.0



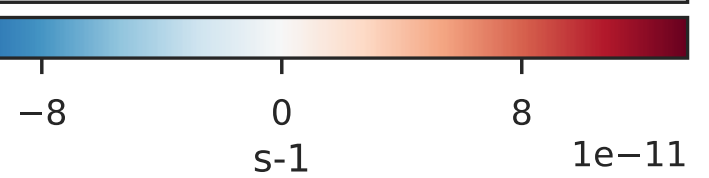
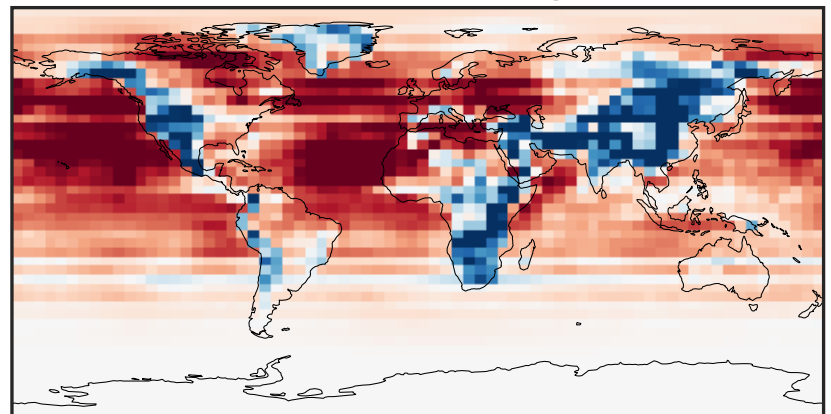
14.3.0-rc.0 (Dev)
4.0x5.0



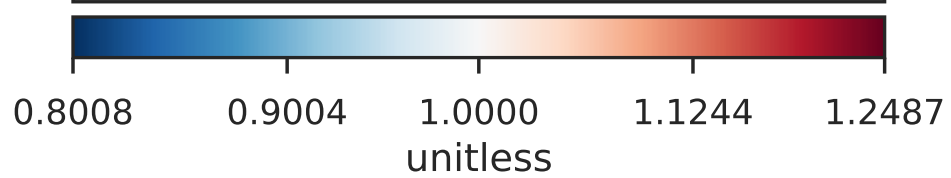
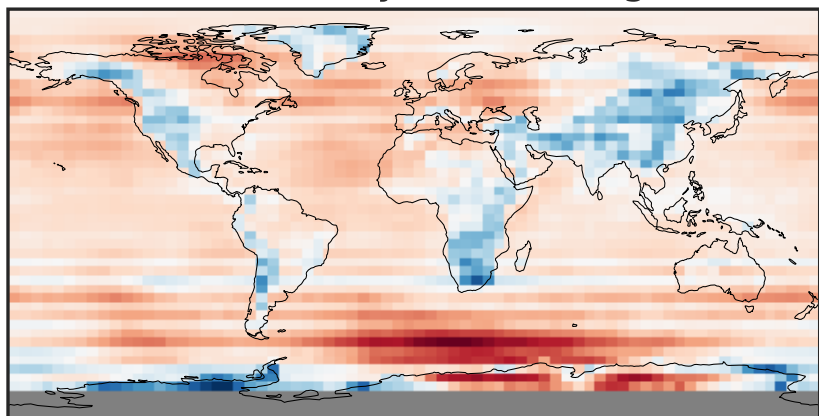
Difference
Dev - Ref, Dynamic Range



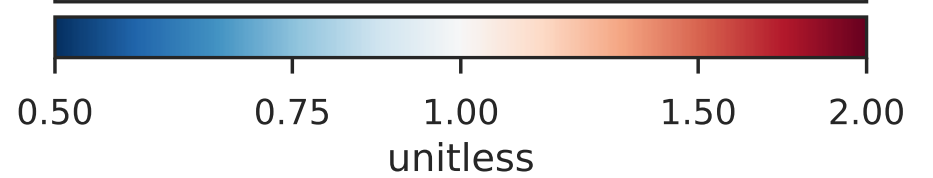
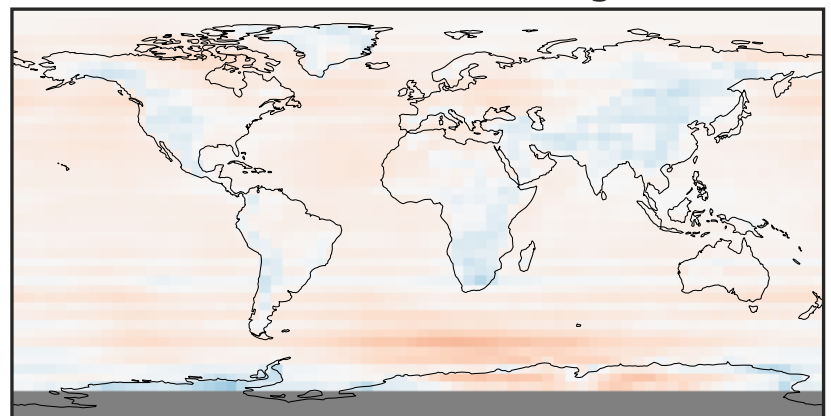
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

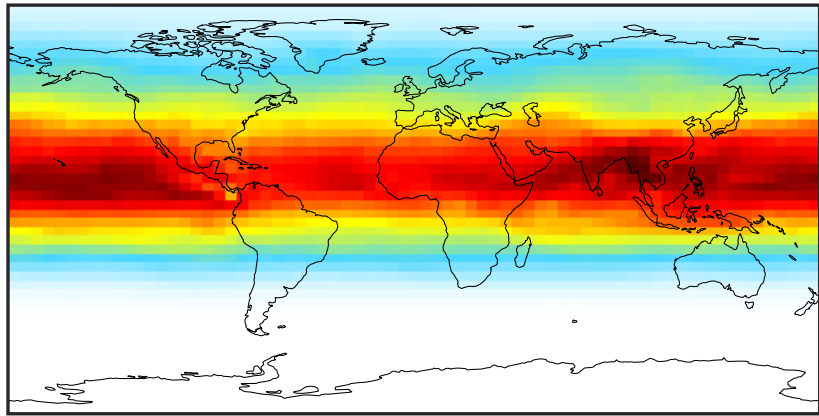


Ratio
Dev/Ref, Fixed Range



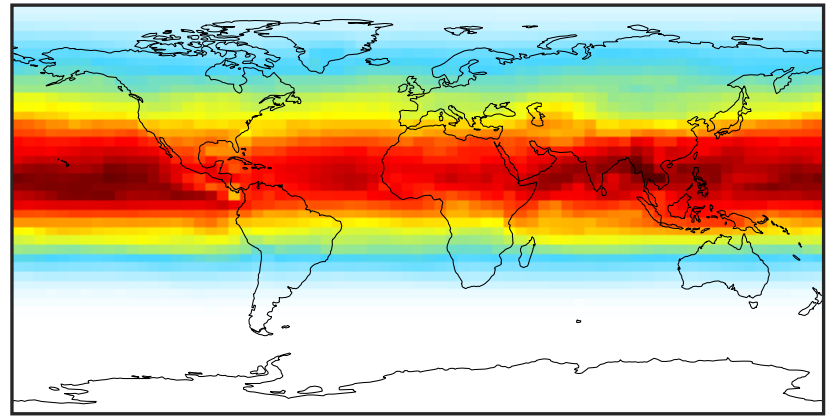
Jval_H1301 (Jul2019)

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



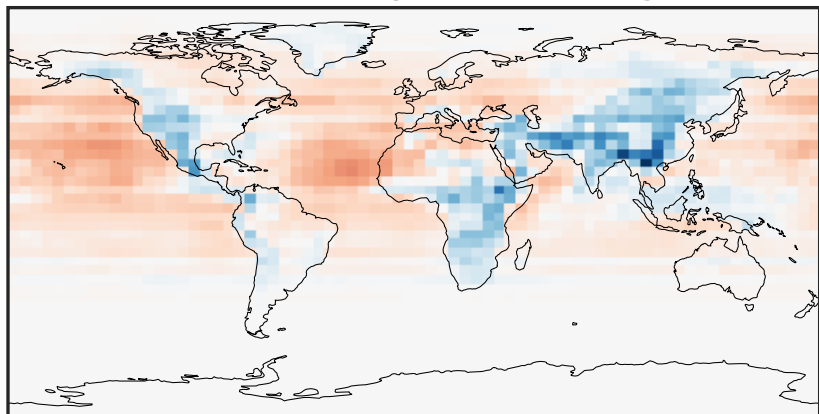
0.0 0.5 1.0 1.5
s-1 $1e-12$

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



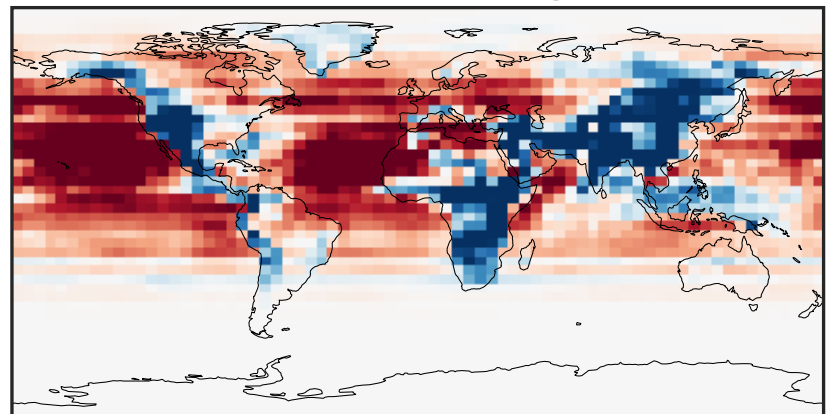
0.0 0.5 1.0 1.5
s-1 $1e-12$

Difference
Dev - Ref, Dynamic Range



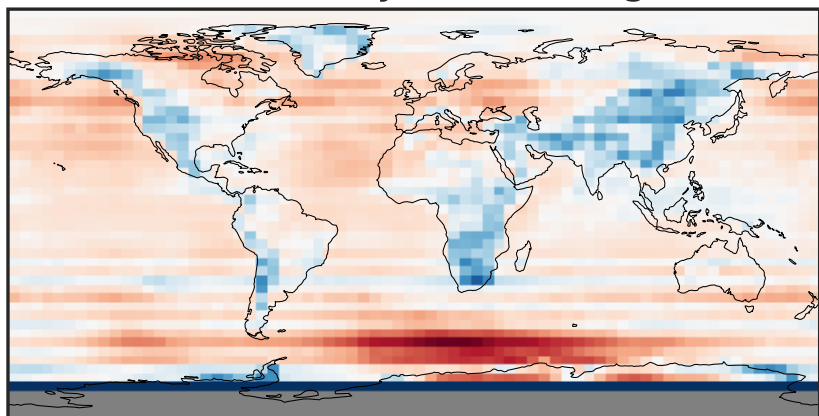
-1 0 1
s-1 $1e-13$

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



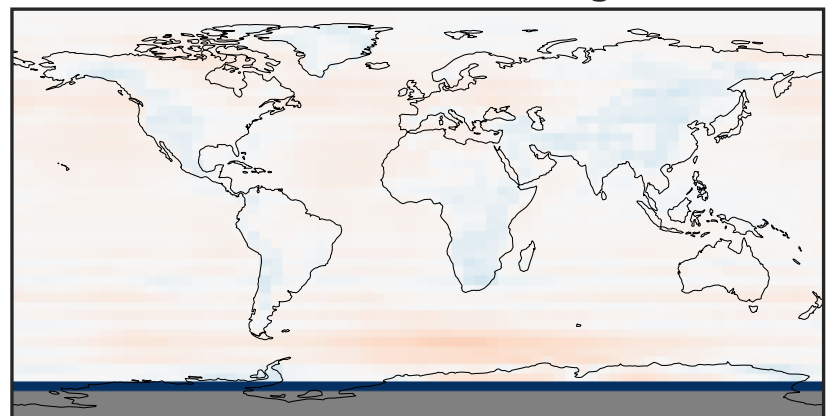
-2.5 0.0 2.5
s-1 $1e-14$

Ratio
Dev/Ref, Dynamic Range



0.8529 0.9265 1.0000 1.0862 1.1724
unitless

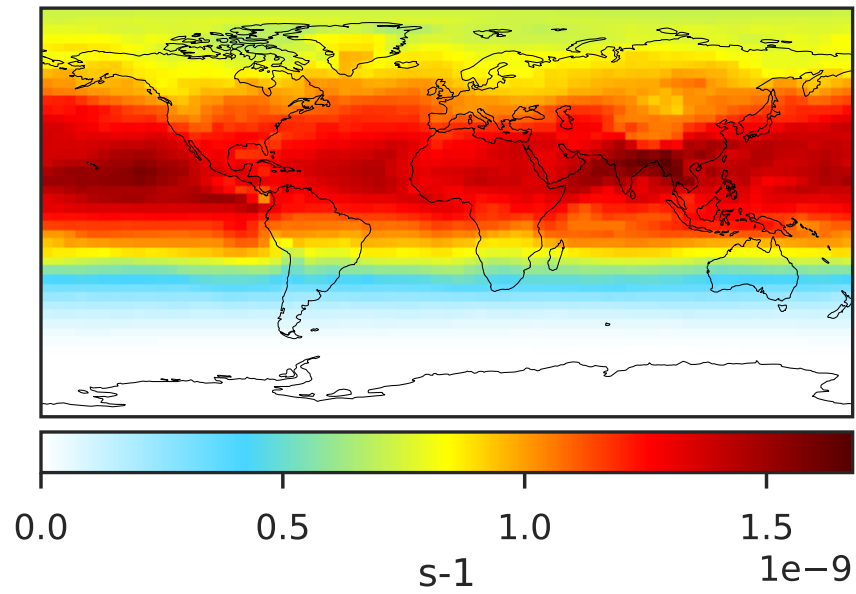
Ratio
Dev/Ref, Fixed Range



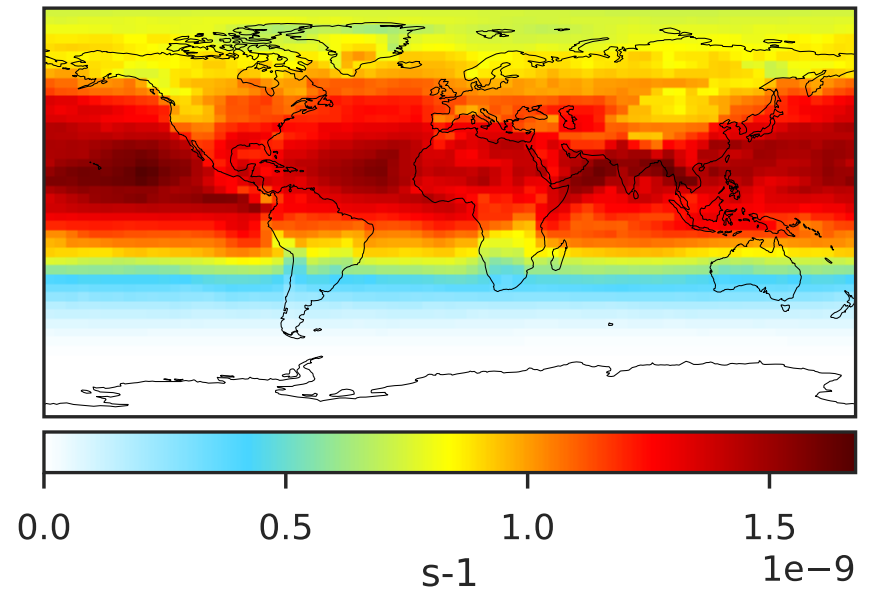
0.50 0.75 1.00 1.50 2.00
unitless

Jval_H2402 (Jul2019)

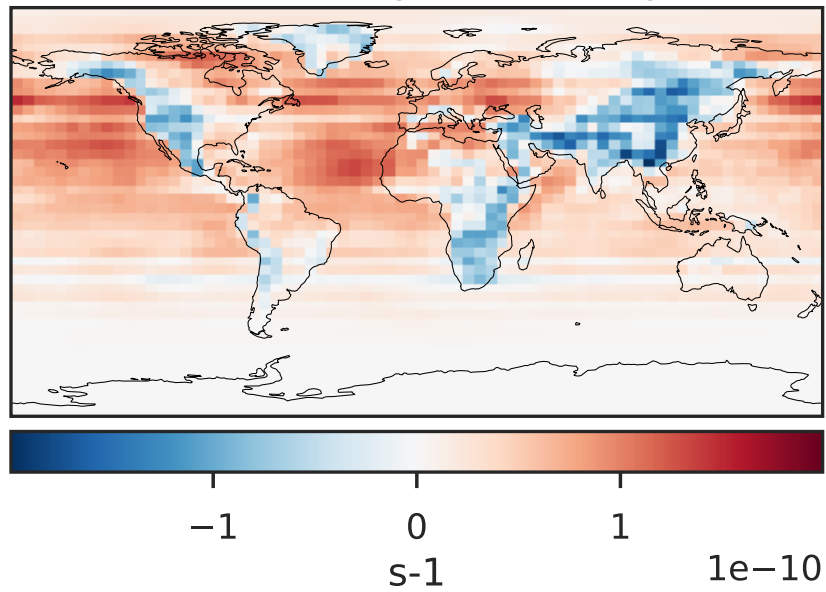
14.2.0-rc.2 (Ref)
4.0x5.0



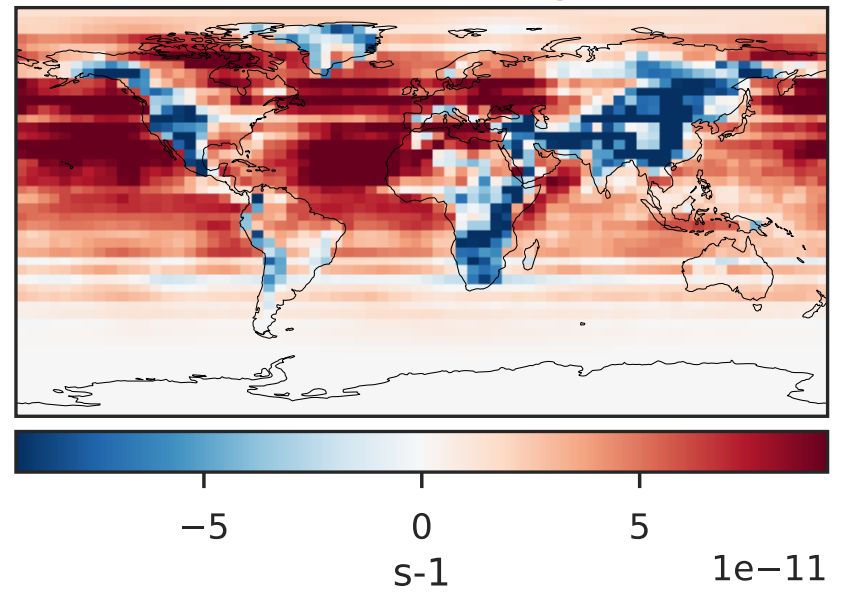
14.3.0-rc.0 (Dev)
4.0x5.0



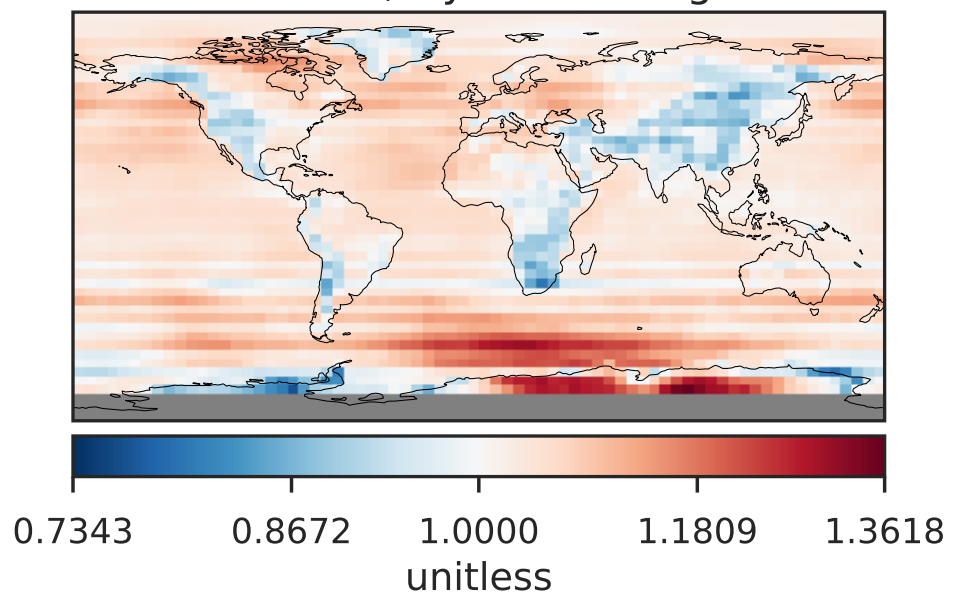
Difference
Dev - Ref, Dynamic Range



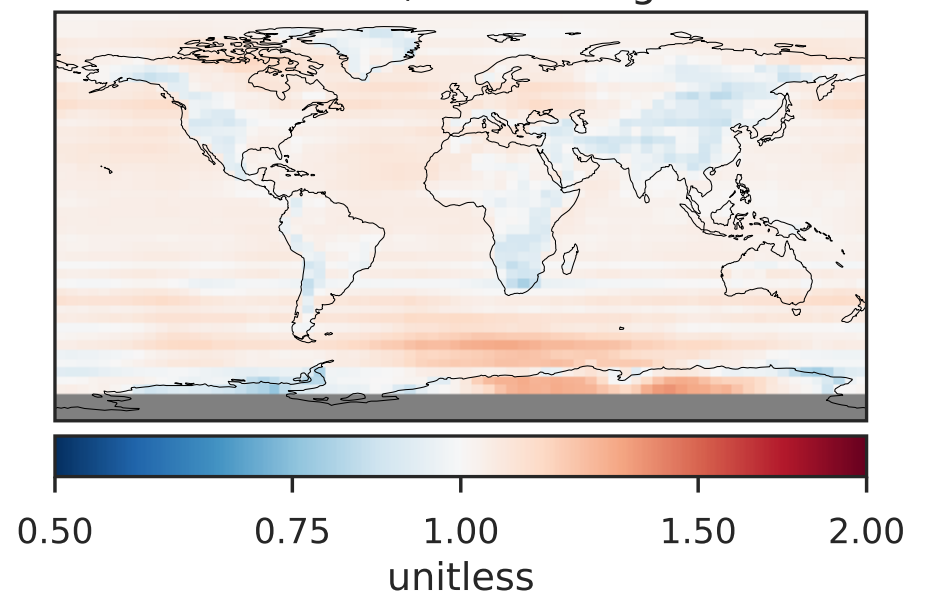
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

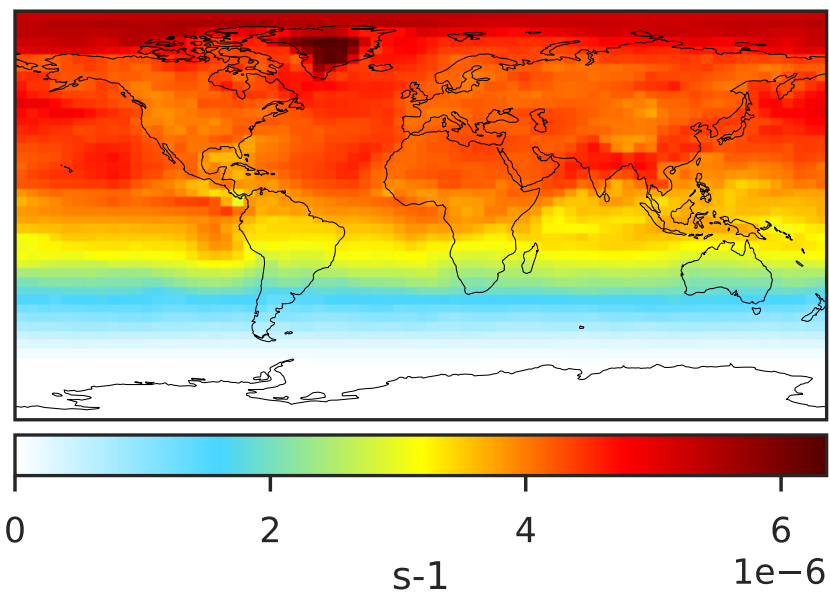


Ratio
Dev/Ref, Fixed Range

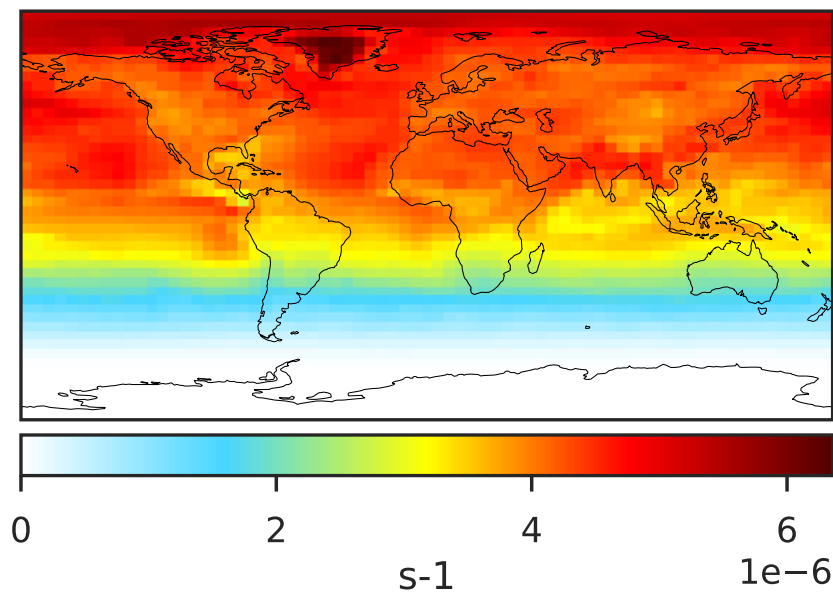


Jval_H2O2 (Jul2019)

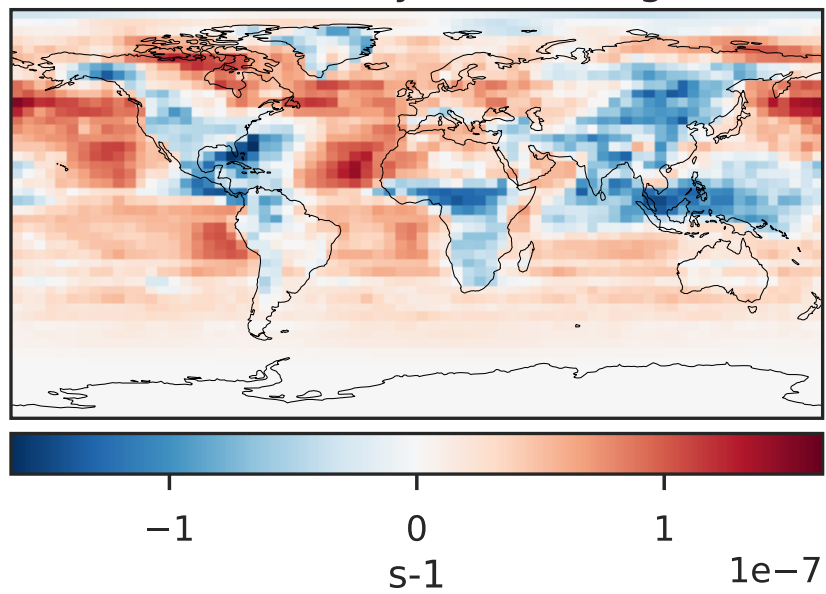
14.2.0-rc.2 (Ref)
4.0x5.0



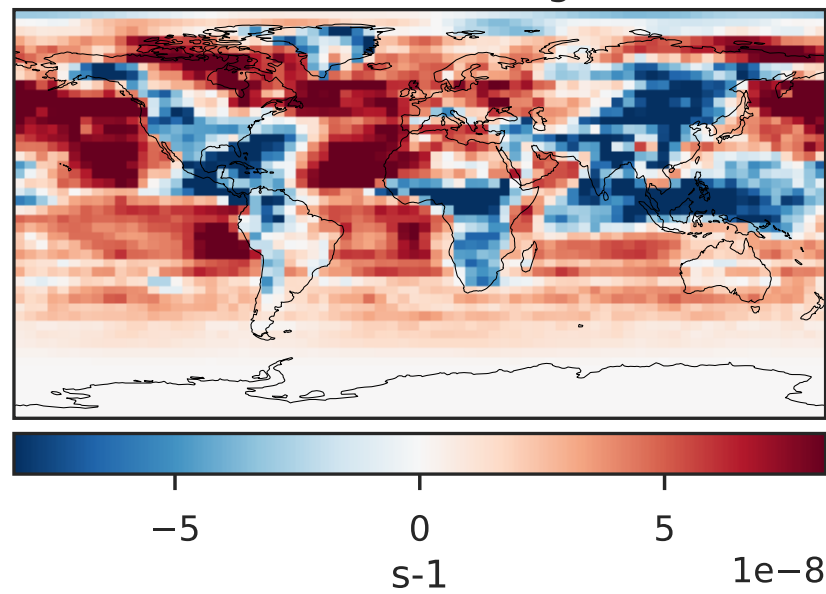
14.3.0-rc.0 (Dev)
4.0x5.0



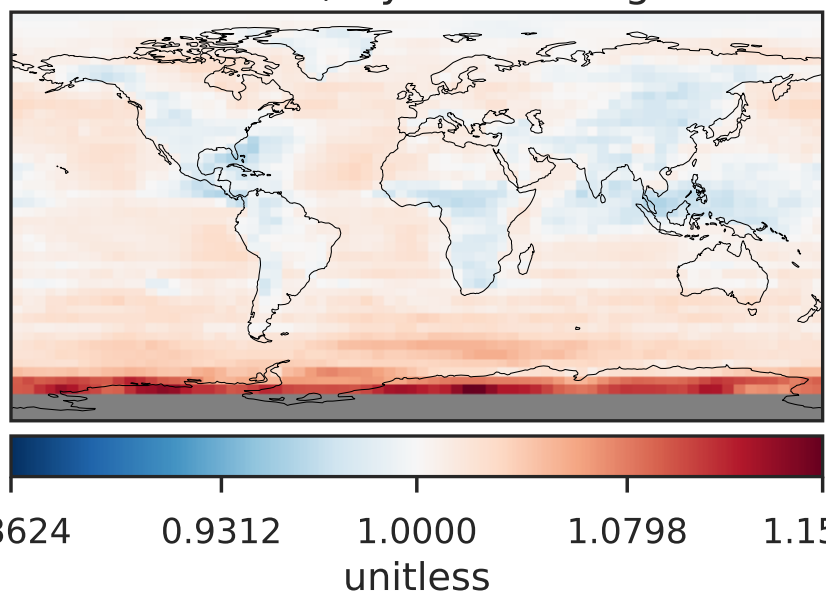
Difference
Dev - Ref, Dynamic Range



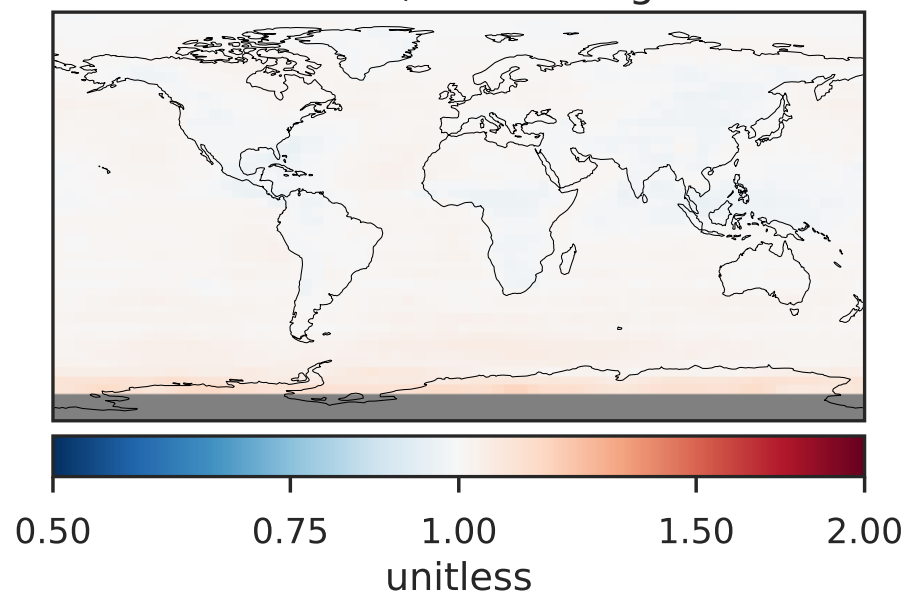
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

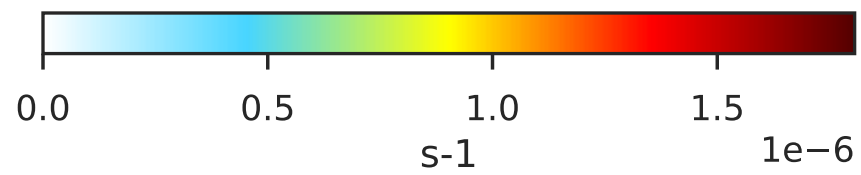
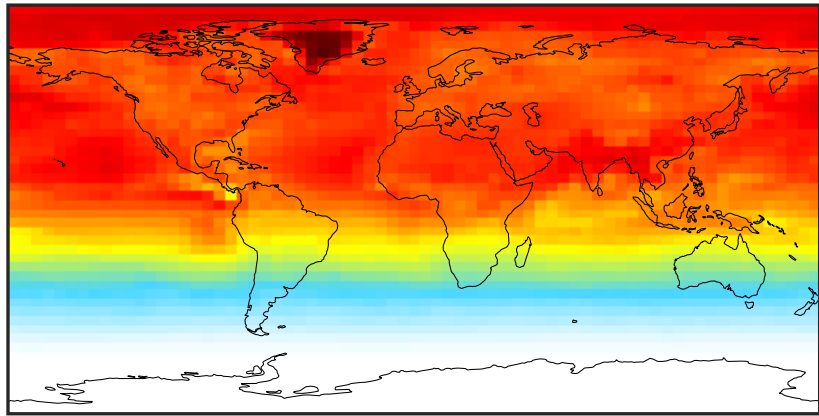


Ratio
Dev/Ref, Fixed Range

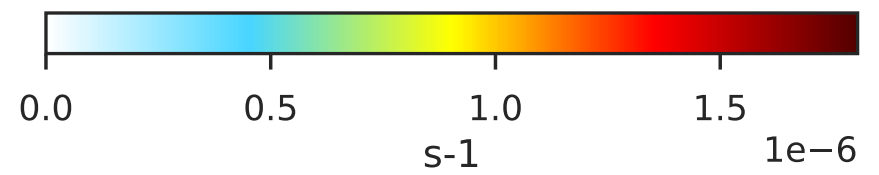
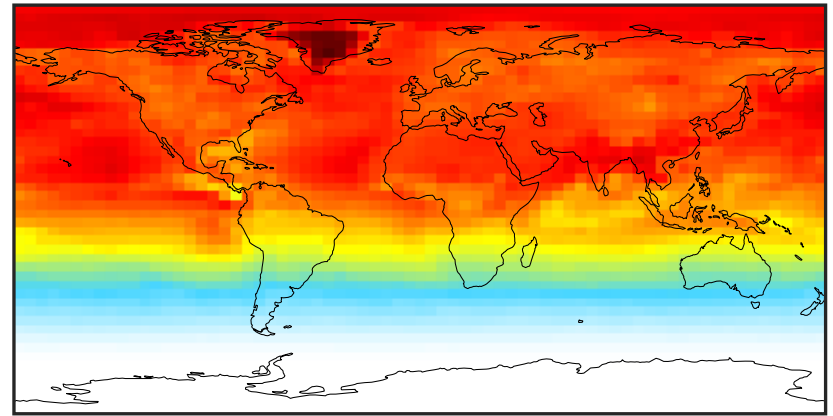


Jval_HAC (Jul2019)

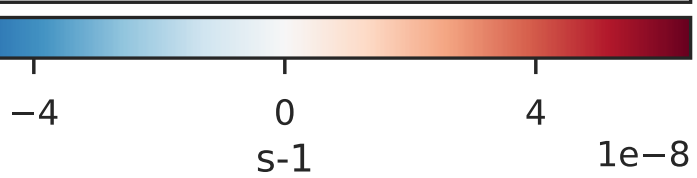
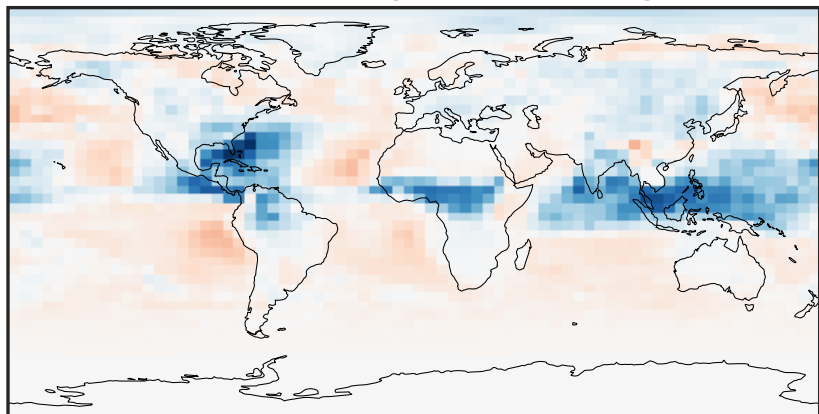
14.2.0-rc.2 (Ref)
4.0x5.0



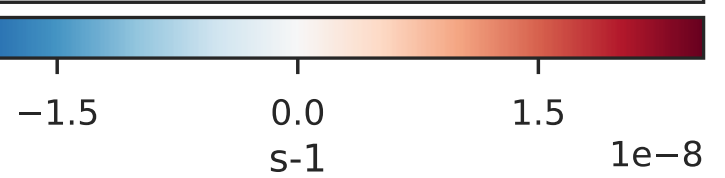
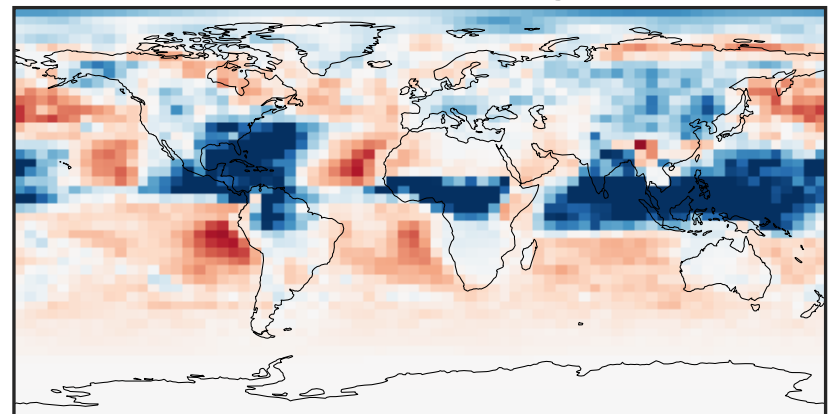
14.3.0-rc.0 (Dev)
4.0x5.0



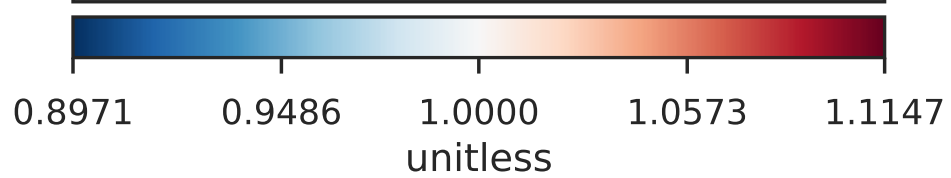
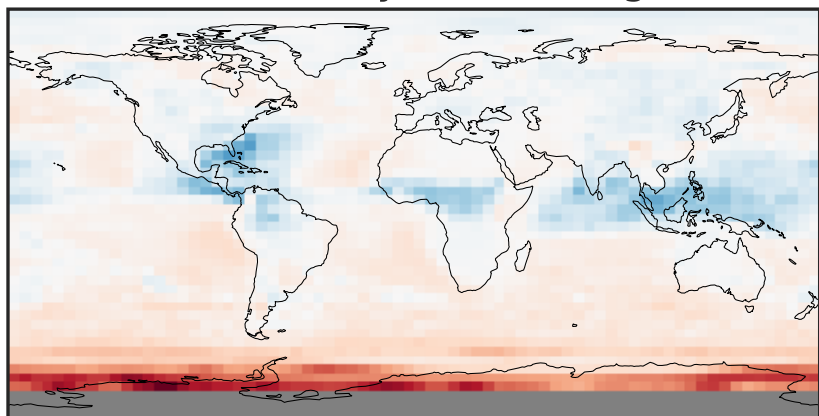
Difference
Dev - Ref, Dynamic Range



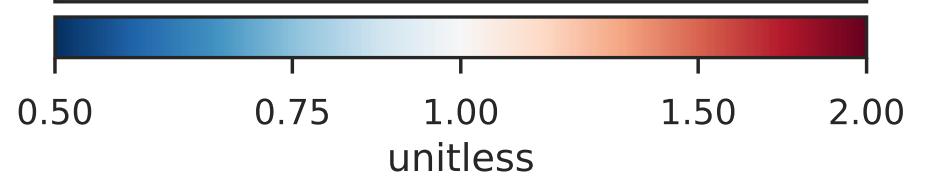
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

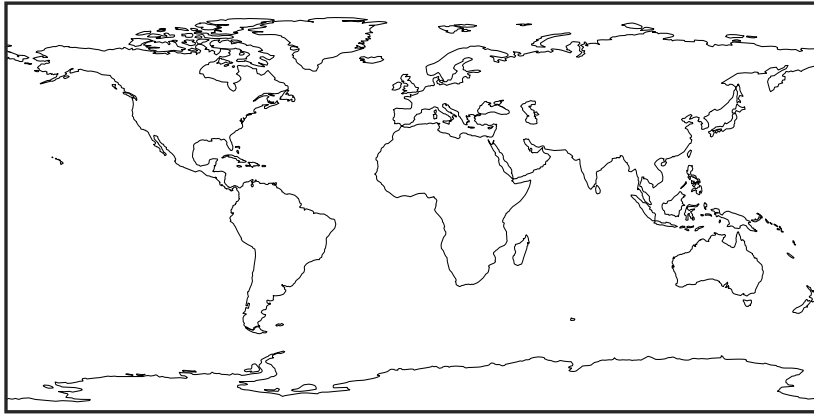


Ratio
Dev/Ref, Fixed Range



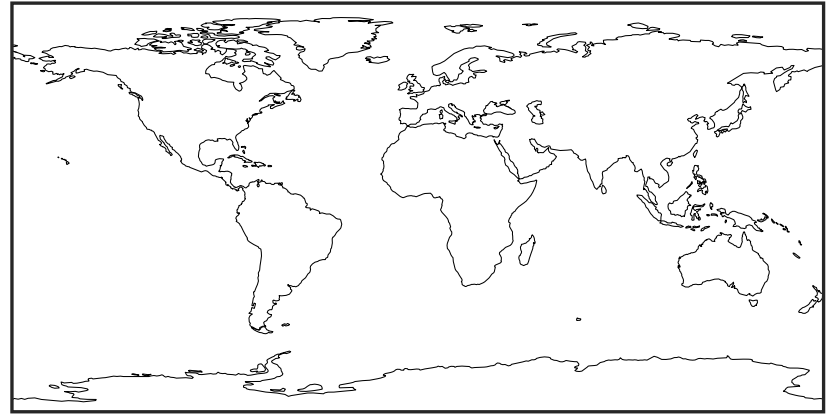
Jval_HC5A (Jul2019)

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



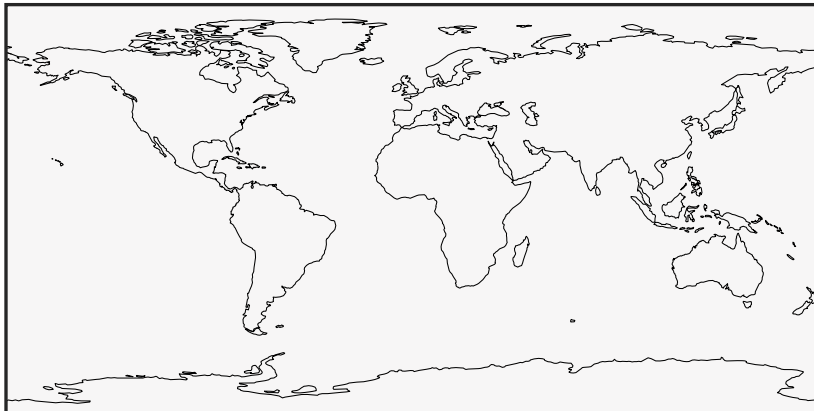
Zero throughput domain
s-1

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



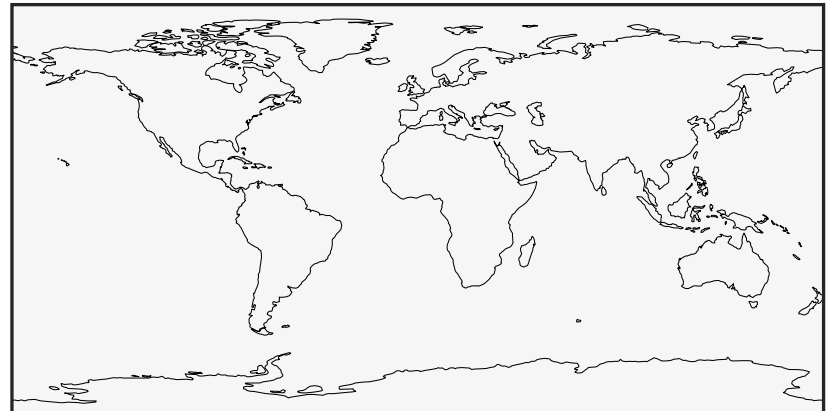
Zero throughput domain
s-1

Difference
Dev - Ref, Dynamic Range



Zero throughput domain
s-1

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



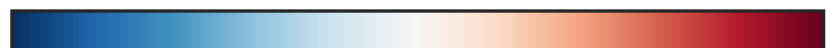
Zero throughput domain
s-1

Ratio
Dev/Ref, Dynamic Range



Undefined throughput domain
unitless

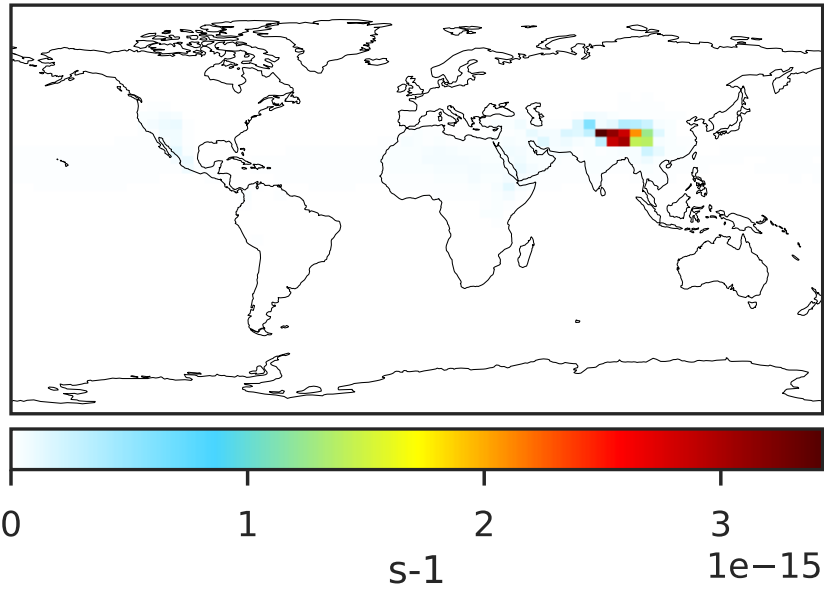
Ratio
Dev/Ref, Fixed Range



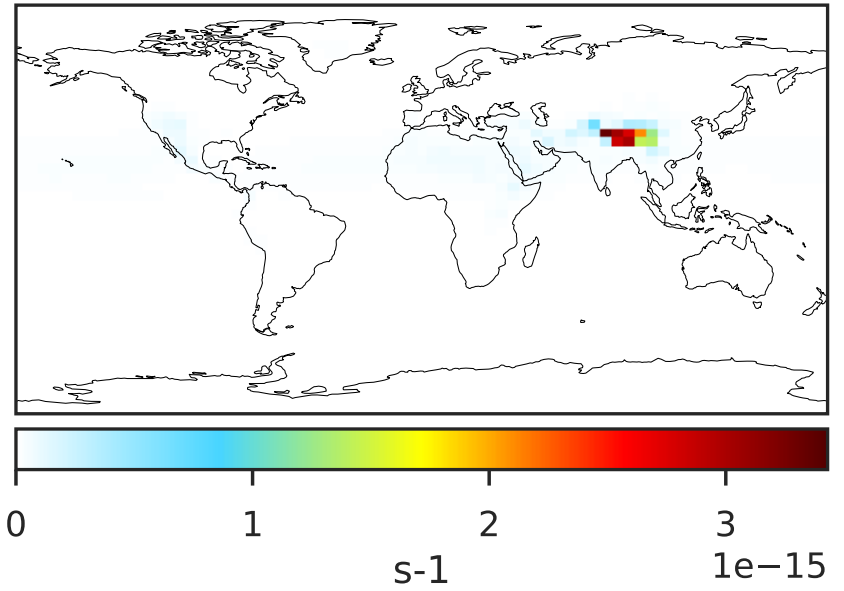
Undefined throughput domain
unitless

Jval_HCFC123 (Jul2019)

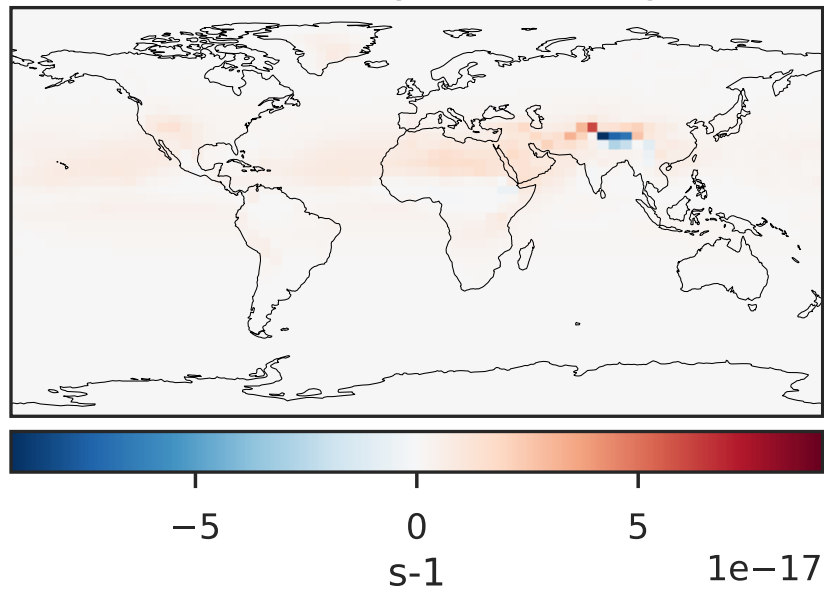
14.2.0-rc.2 (Ref)
4.0x5.0



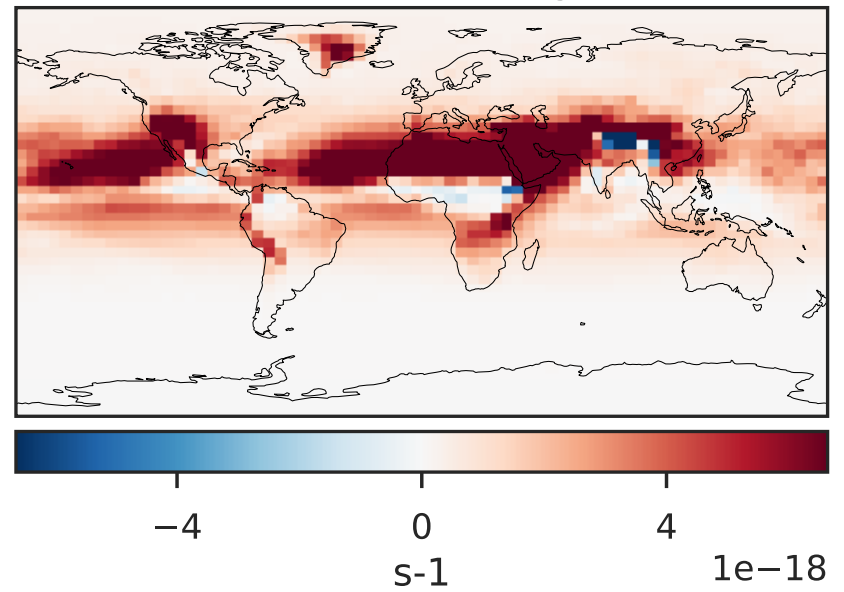
14.3.0-rc.0 (Dev)
4.0x5.0



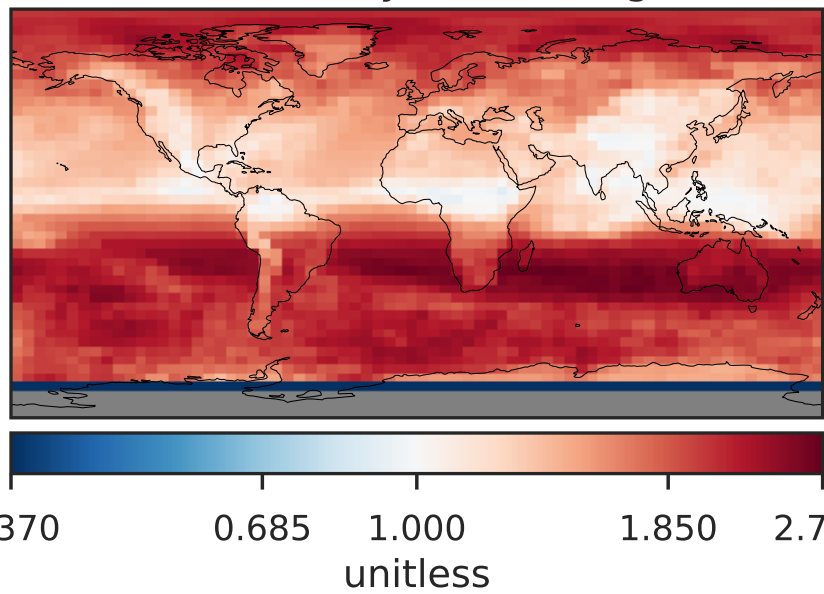
Difference
Dev - Ref, Dynamic Range



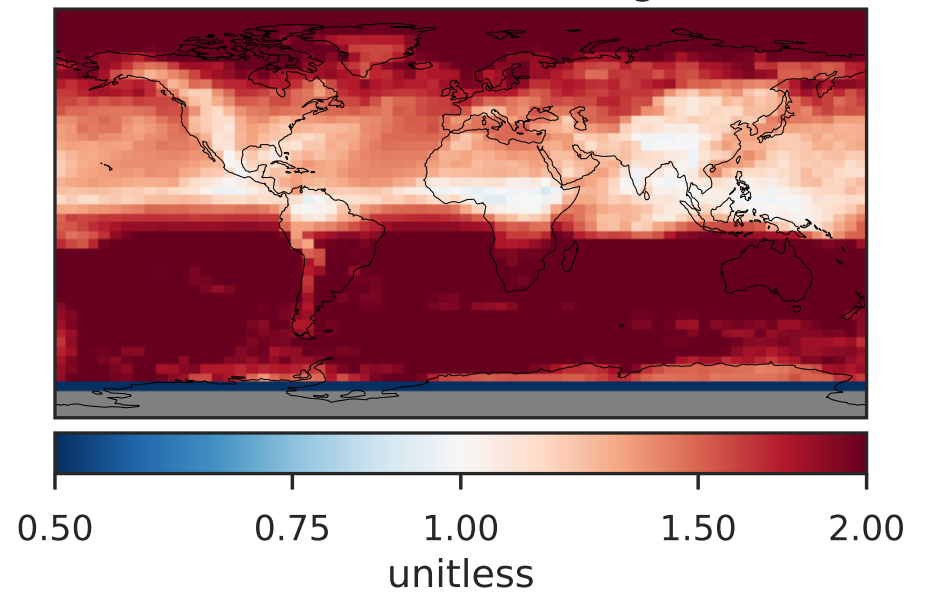
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

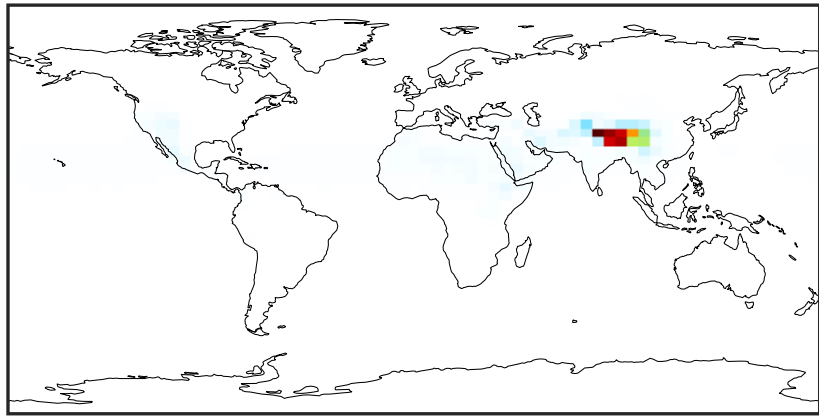


Ratio
Dev/Ref, Fixed Range



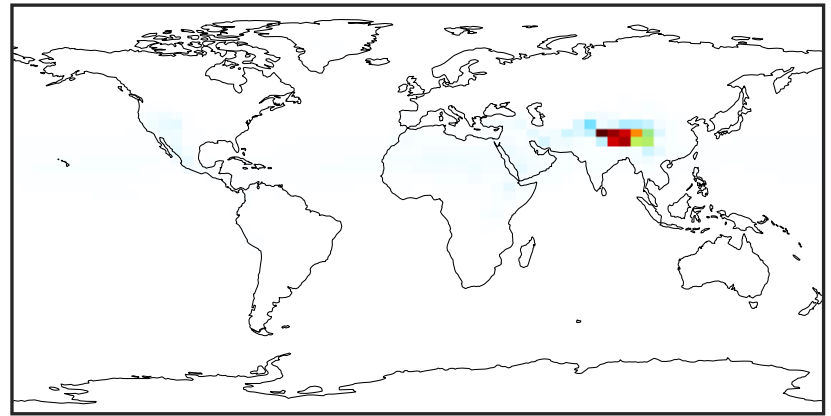
Jval_HCFC141b (Jul2019)

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



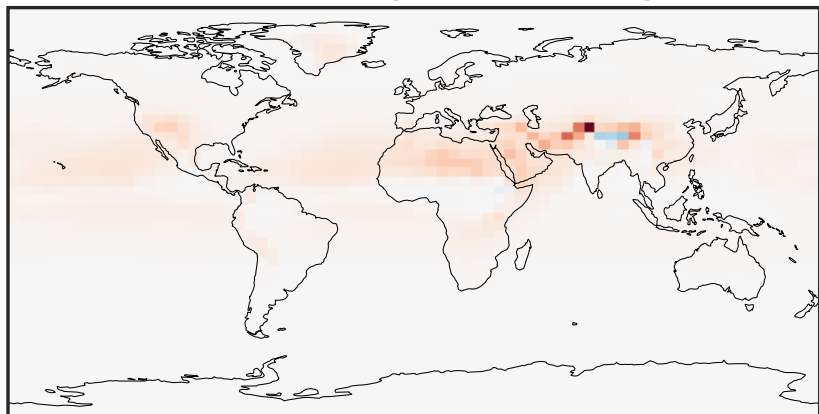
0.0 1.5 3.0 4.5
s-1 $1e-15$

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



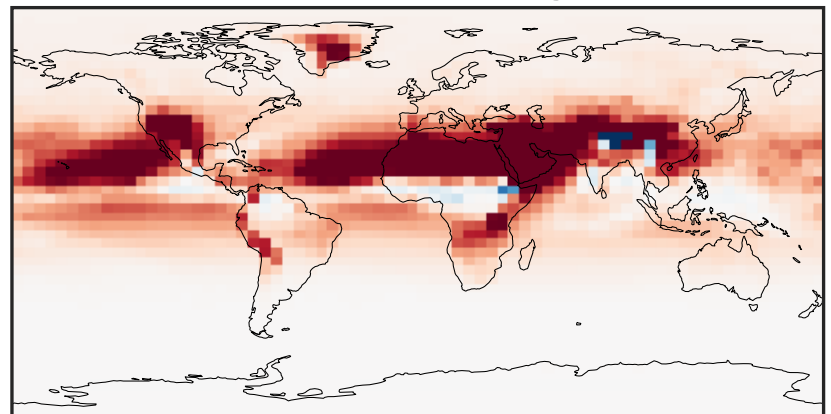
0.0 1.5 3.0 4.5
s-1 $1e-15$

Difference
Dev - Ref, Dynamic Range



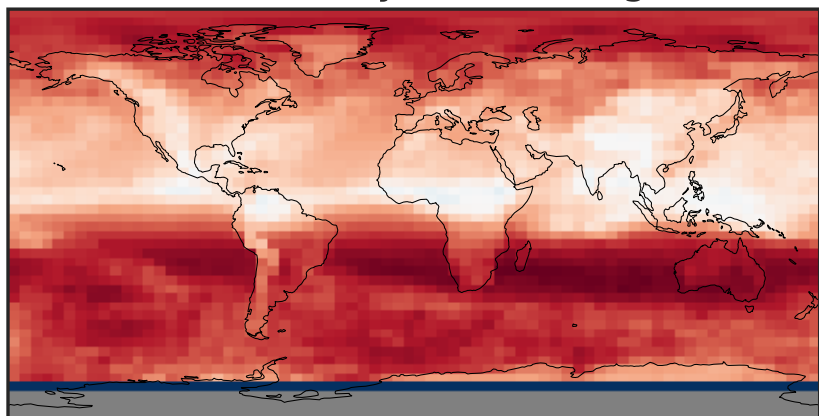
-5 0 5
s-1 $1e-17$

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



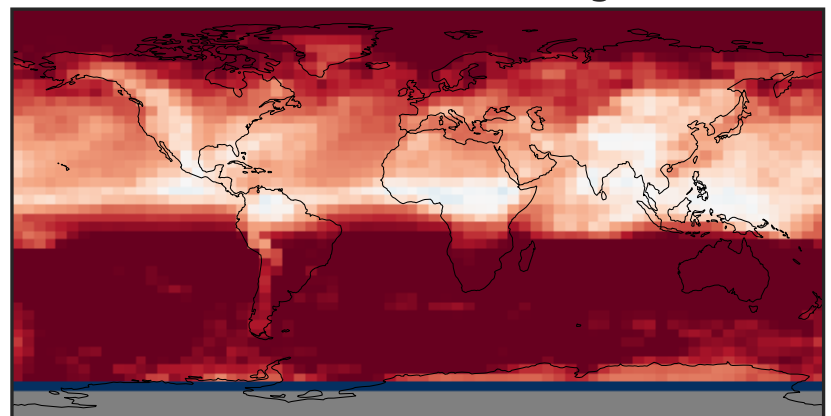
-5 0 5
s-1 $1e-18$

Ratio
Dev/Ref, Dynamic Range



0.368 0.684 1.000 1.858 2.716
unitless

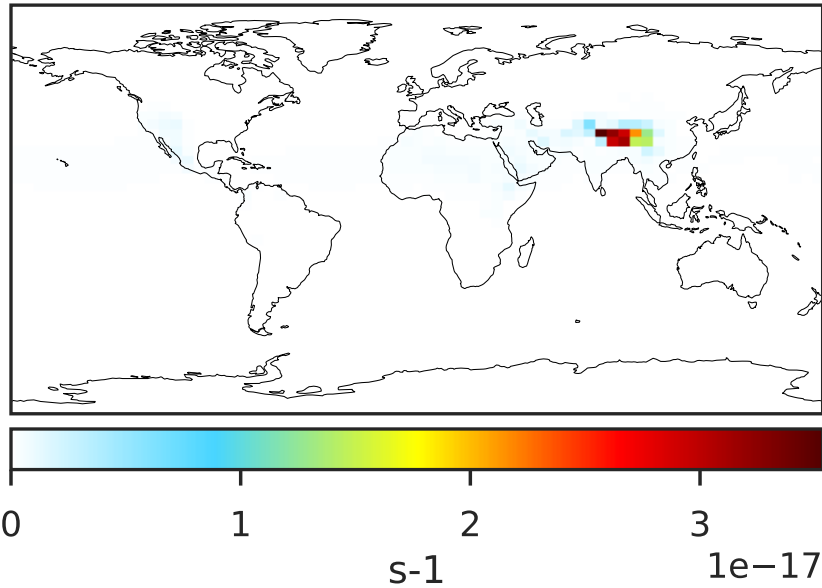
Ratio
Dev/Ref, Fixed Range



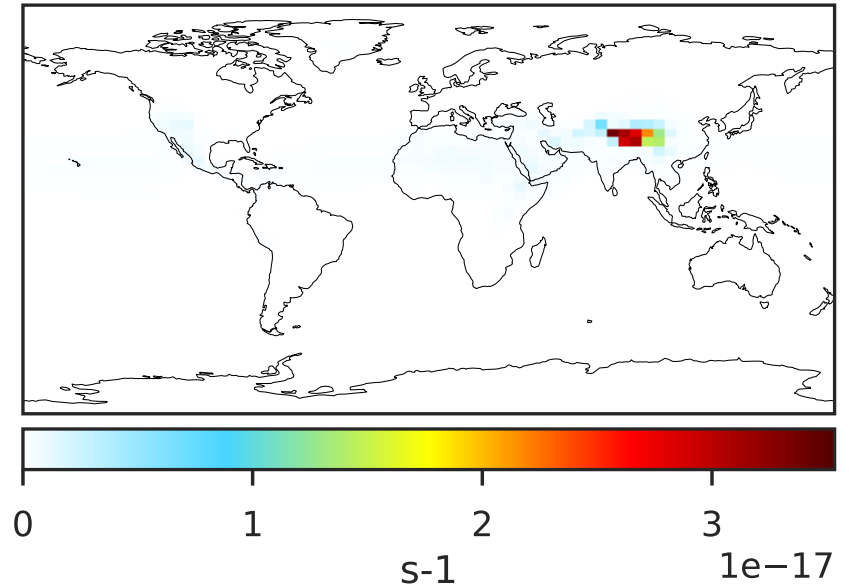
0.50 0.75 1.00 1.50 2.00
unitless

Jval_HCFC142b (Jul2019)

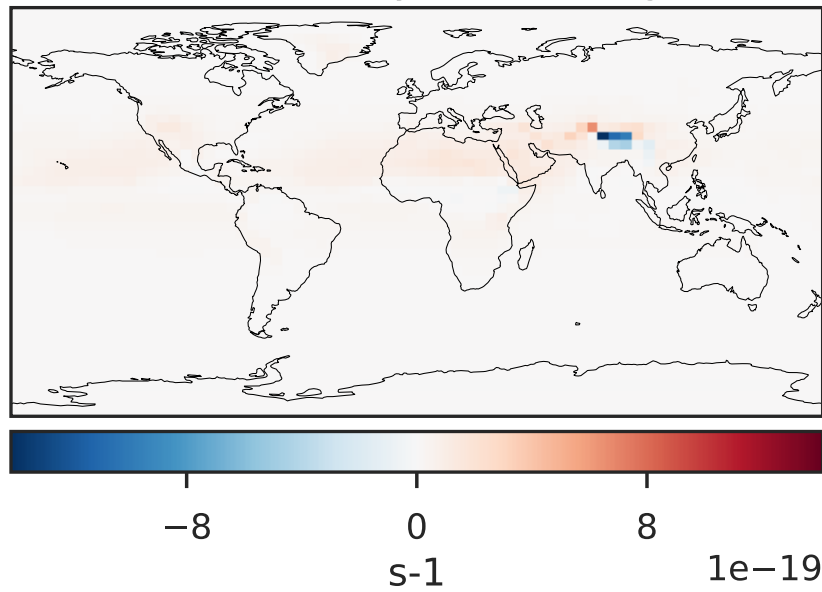
14.2.0-rc.2 (Ref)
4.0x5.0



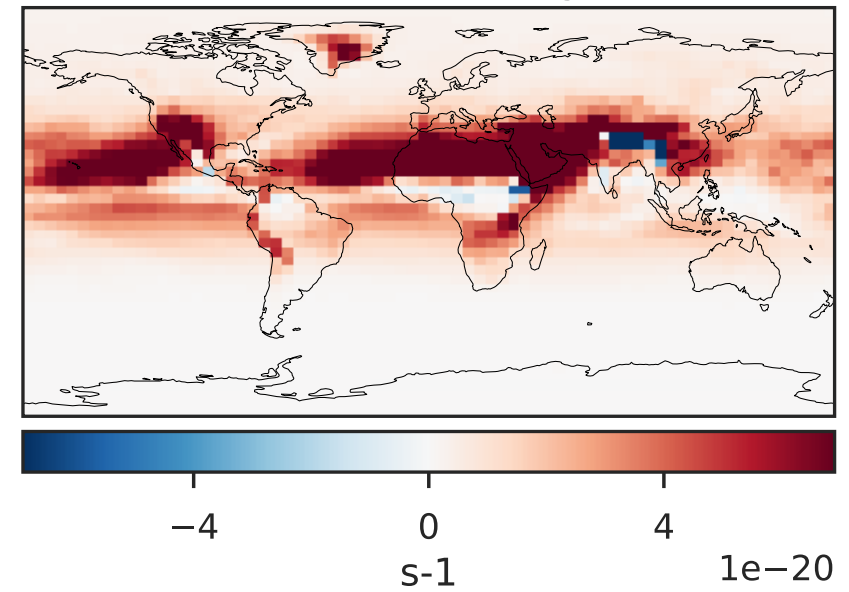
14.3.0-rc.0 (Dev)
4.0x5.0



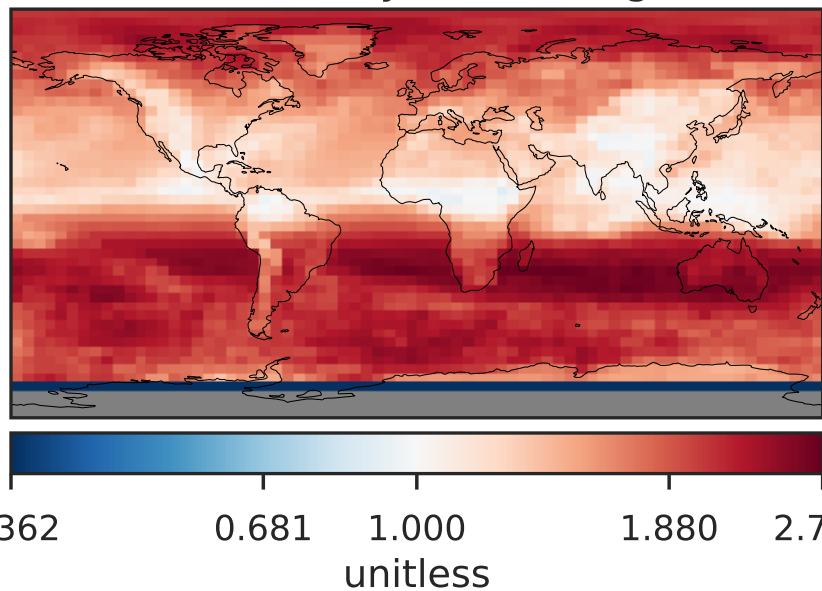
Difference
Dev - Ref, Dynamic Range



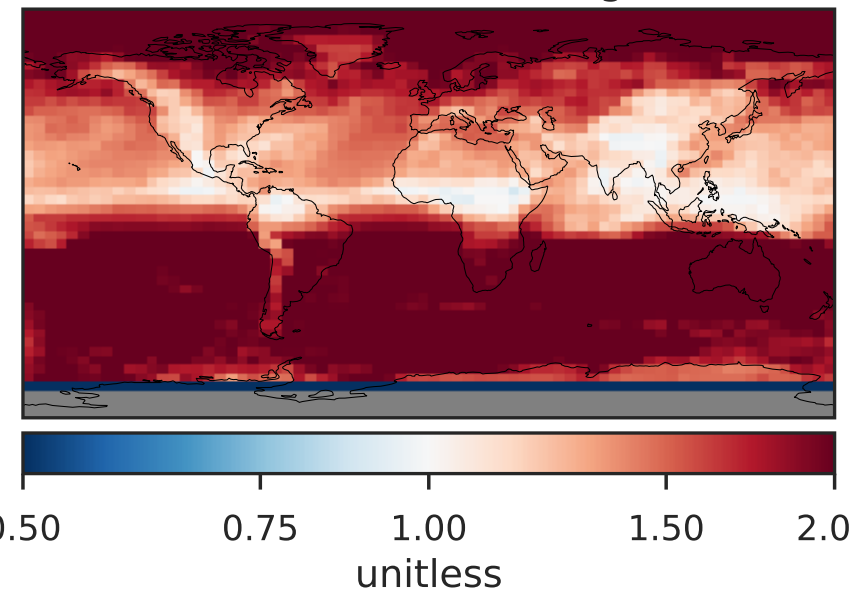
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

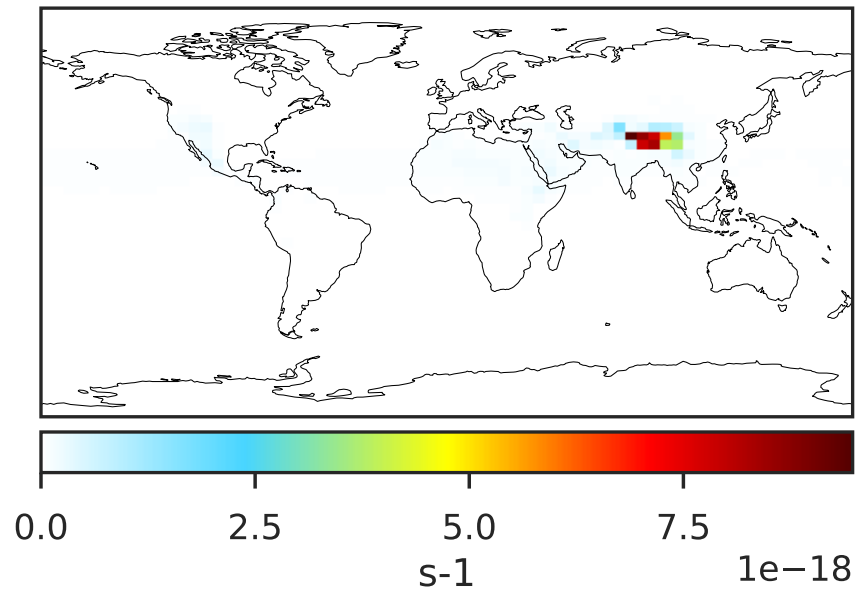


Ratio
Dev/Ref, Fixed Range

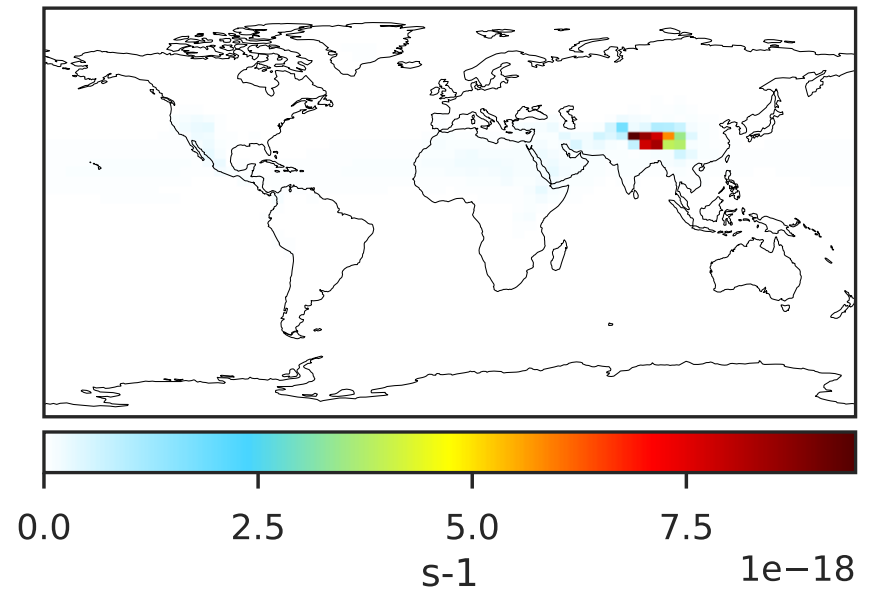


Jval_HCFC22 (Jul2019)

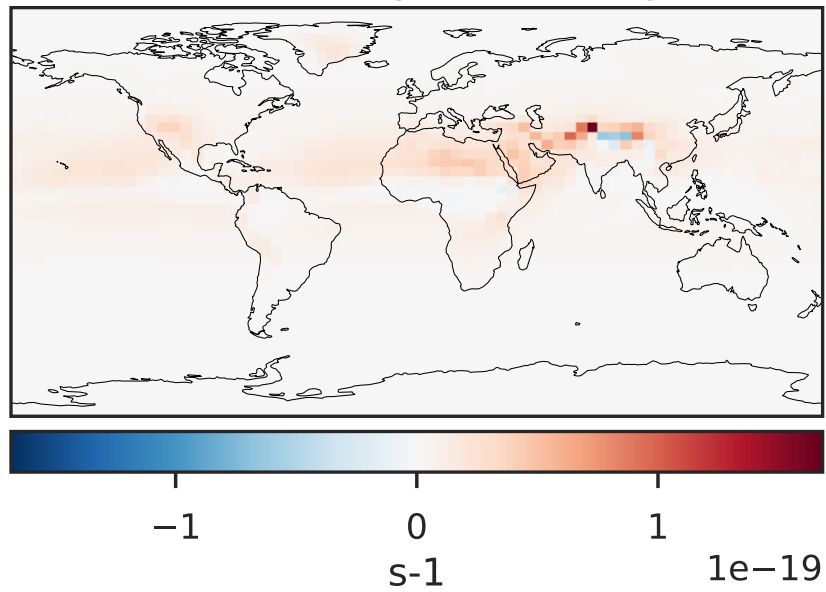
14.2.0-rc.2 (Ref)
4.0x5.0



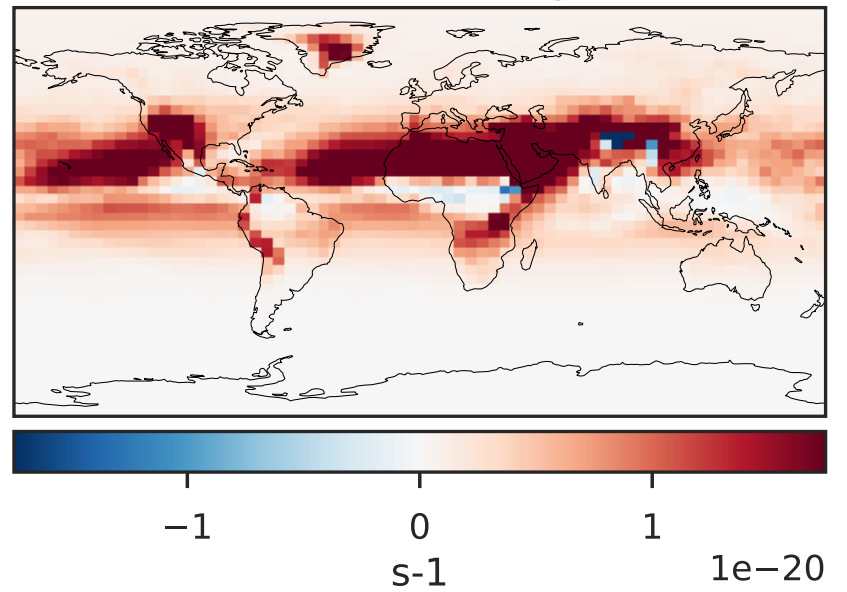
14.3.0-rc.0 (Dev)
4.0x5.0



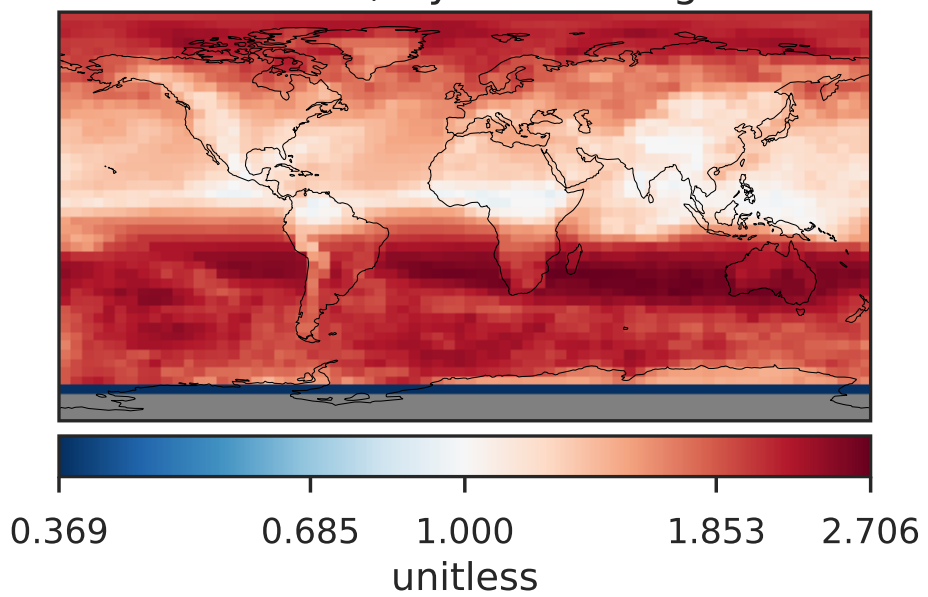
Difference
Dev - Ref, Dynamic Range



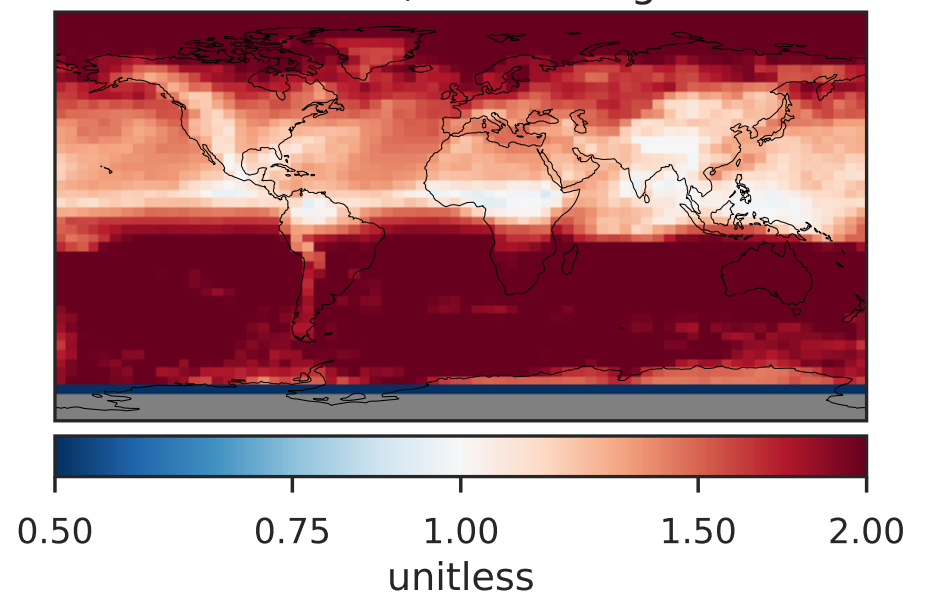
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

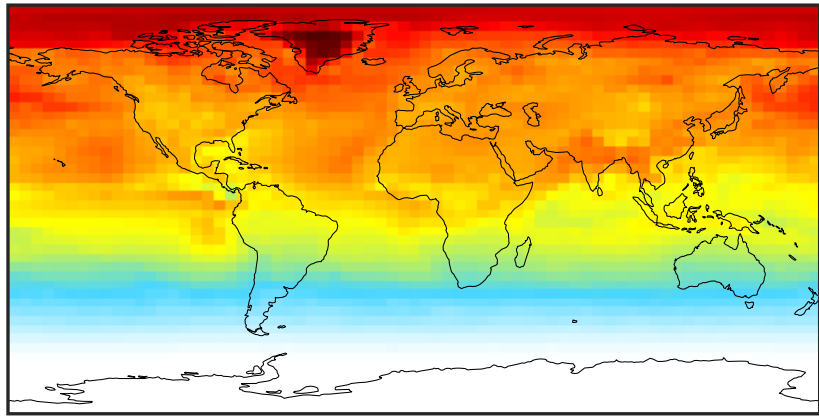


Ratio
Dev/Ref, Fixed Range



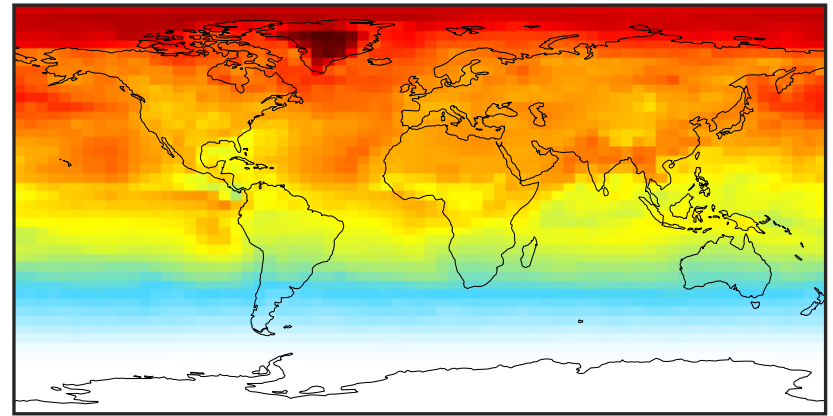
Jval_HMHP (Jul2019)

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



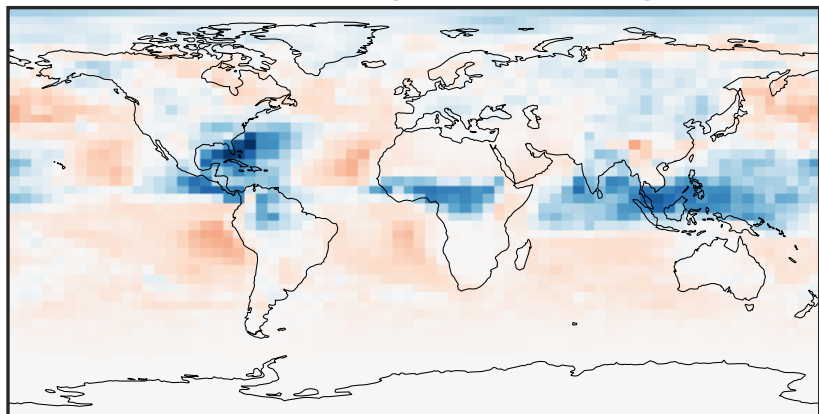
0.0 1.5 3.0 $1e-6$
s-1

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



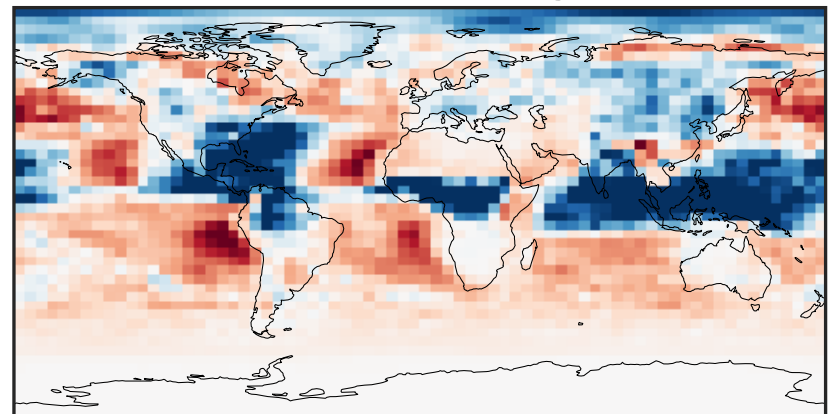
0.0 1.5 3.0 $1e-6$
s-1

Difference
Dev - Ref, Dynamic Range



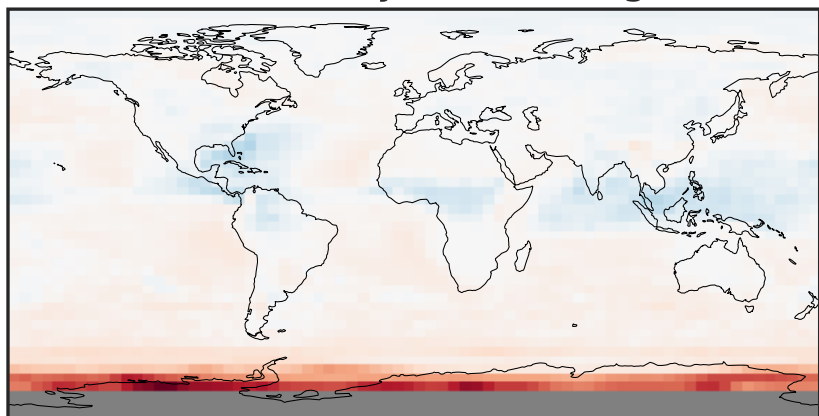
-6 0 6 $1e-8$
s-1

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



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

Ratio
Dev/Ref, Dynamic Range



0.8173 0.9086 1.0000 1.1118 1.2236
unitless

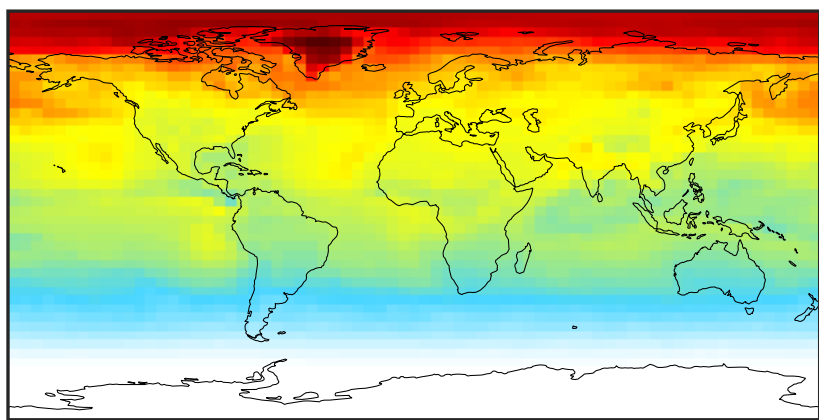
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

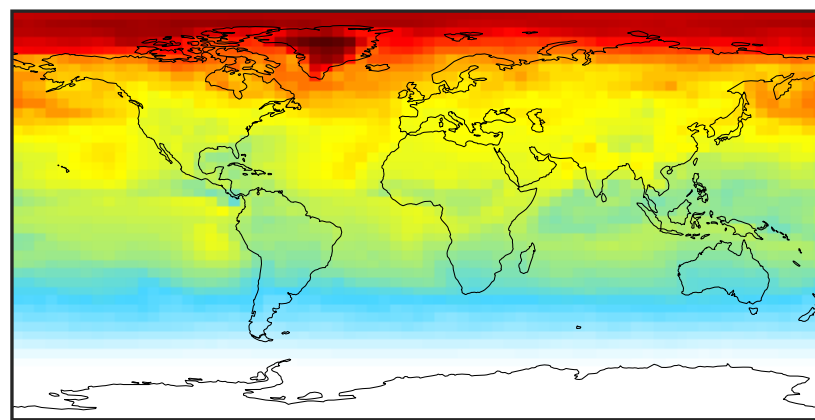
Jval_HNO2 (Jul2019)

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



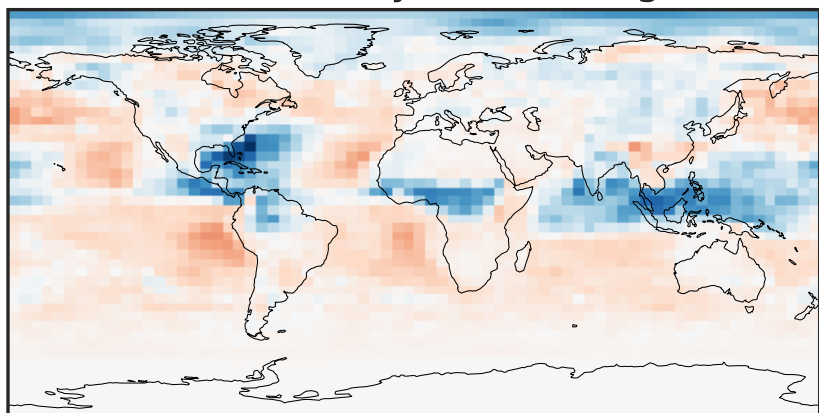
0.0000 0.0005 0.0010 0.0015
s-1

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



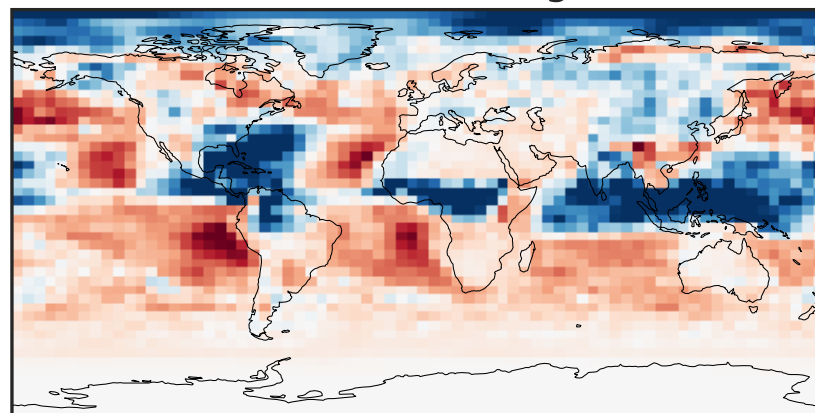
0.0000 0.0005 0.0010 0.0015
s-1

Difference
Dev - Ref, Dynamic Range



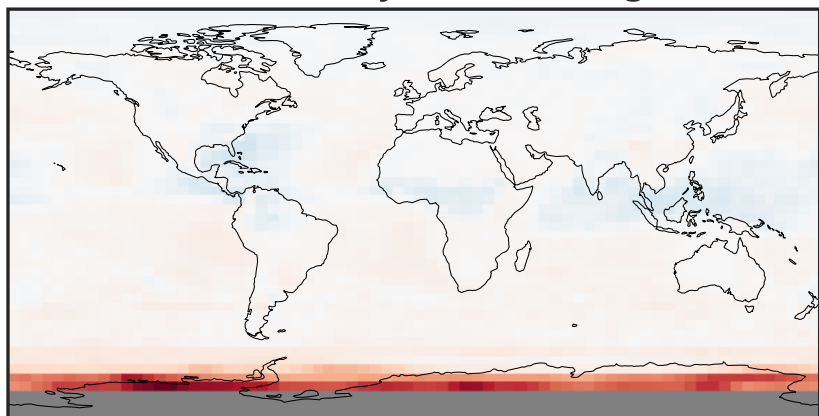
-2.5 0.0 2.5
s-1 1e-5

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



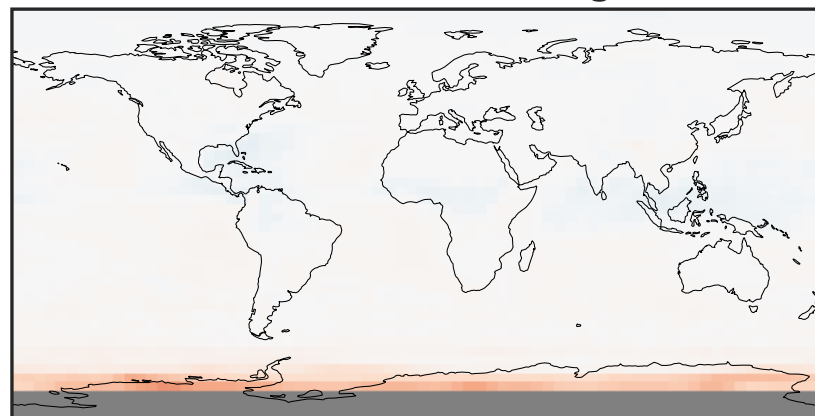
-1 0 1
s-1 1e-5

Ratio
Dev/Ref, Dynamic Range



0.7343 0.8672 1.0000 1.1809 1.3618
unitless

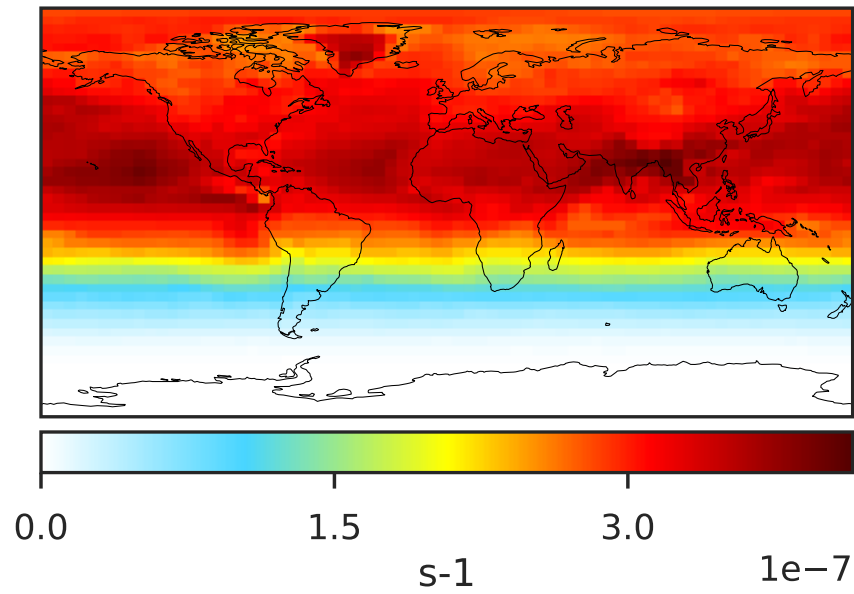
Ratio
Dev/Ref, Fixed Range



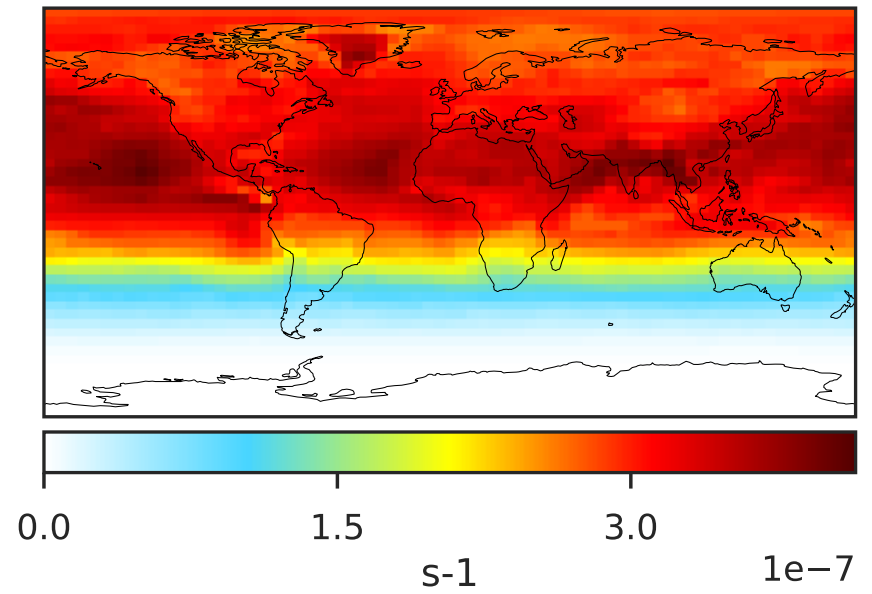
0.50 0.75 1.00 1.50 2.00
unitless

Jval_HNO3 (Jul2019)

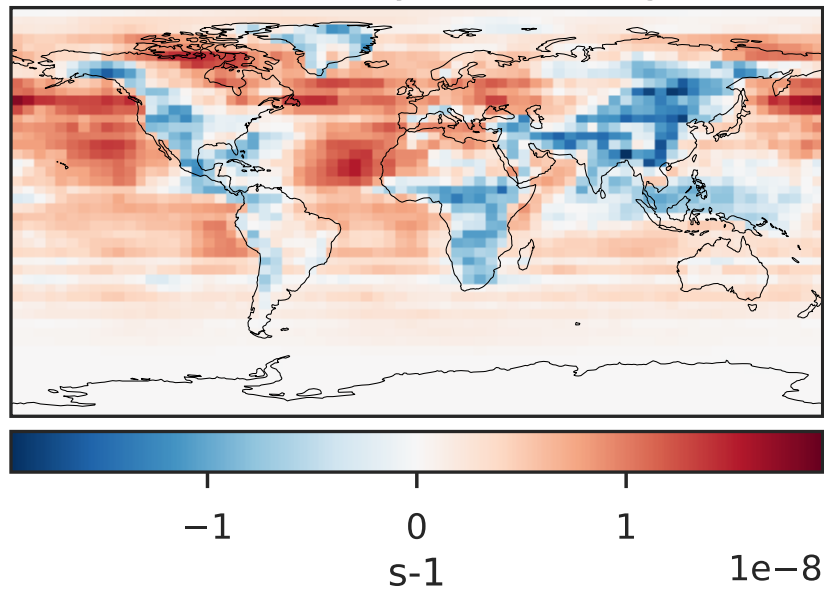
14.2.0-rc.2 (Ref)
4.0x5.0



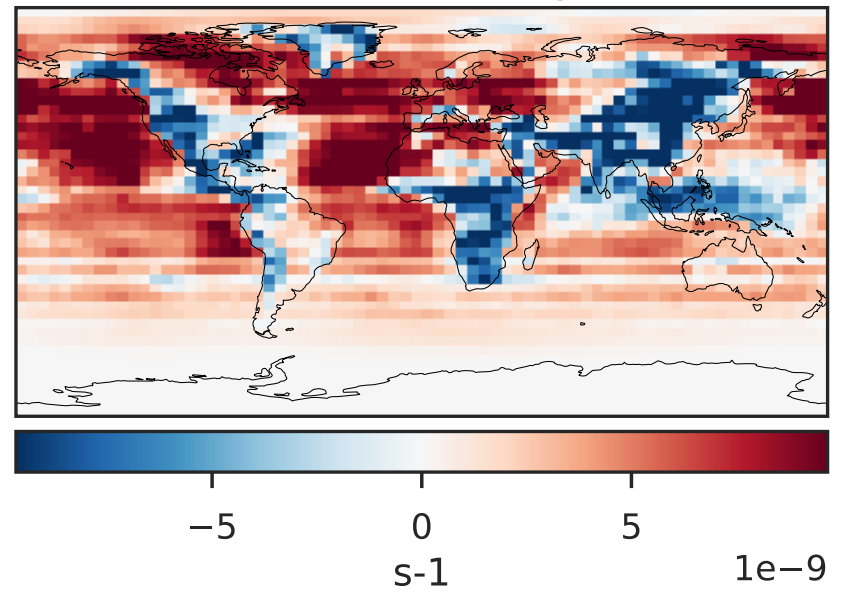
14.3.0-rc.0 (Dev)
4.0x5.0



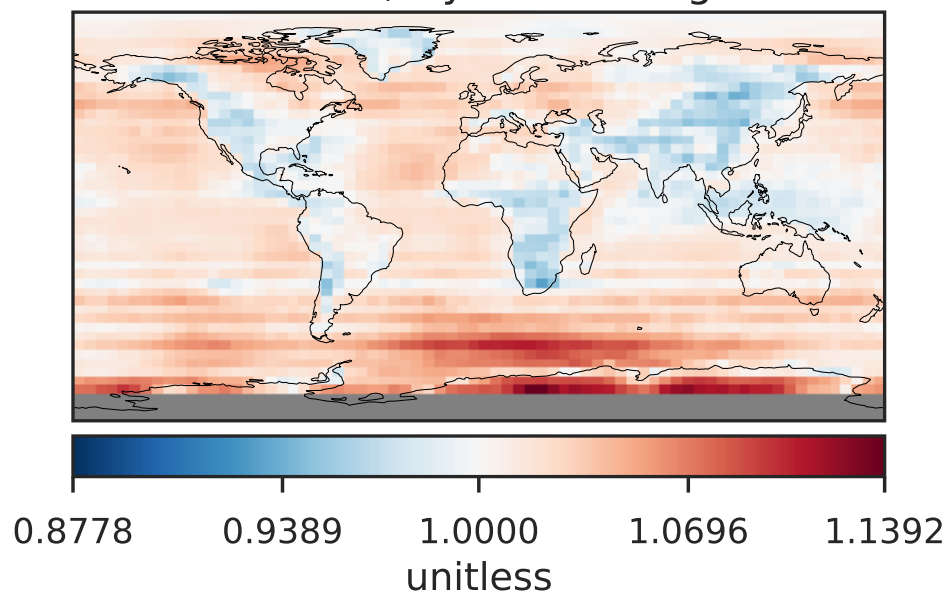
Difference
Dev - Ref, Dynamic Range



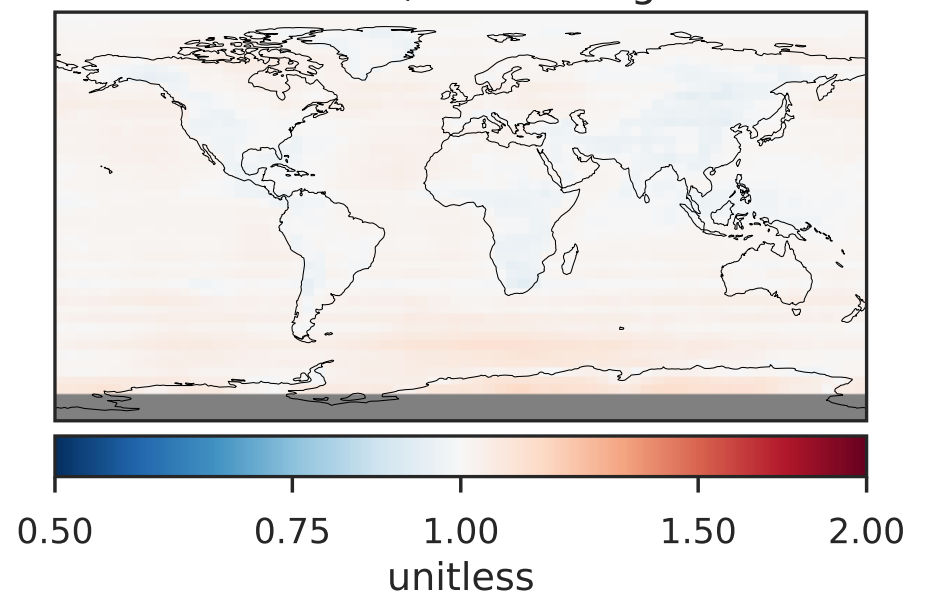
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

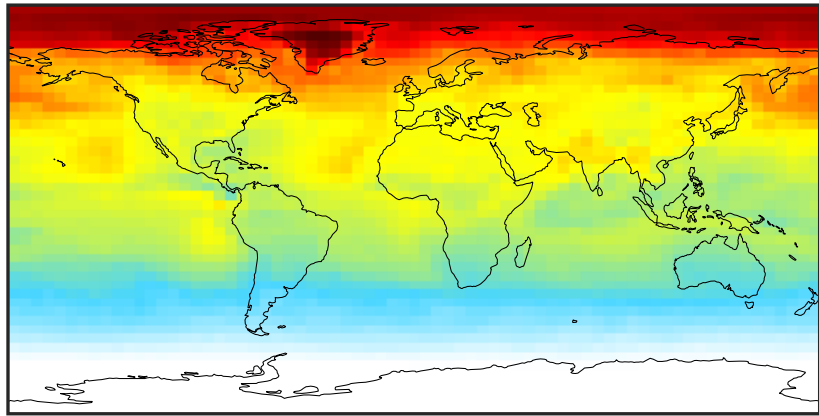


Ratio
Dev/Ref, Fixed Range



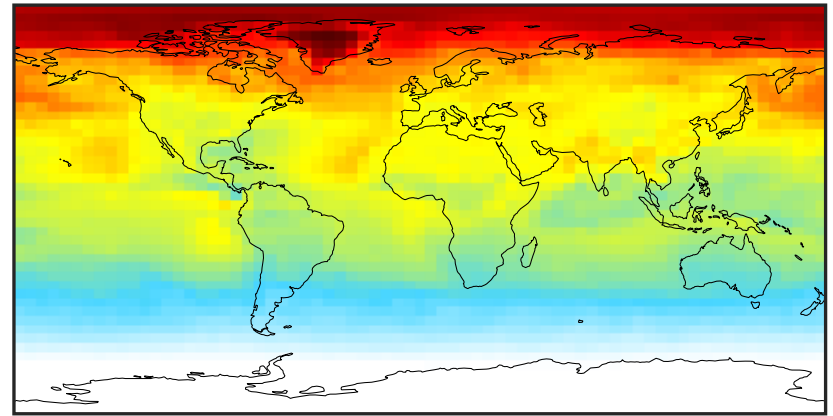
Jval_HNO4 (Jul2019)

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



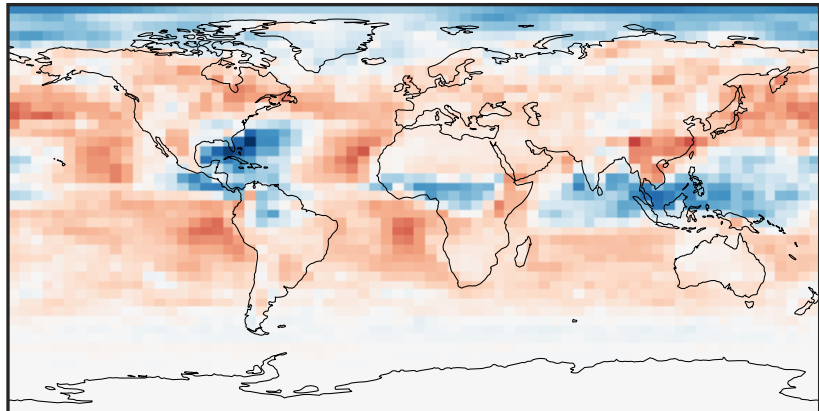
0.0 0.6 1.2 1.8
s-1 $1e-5$

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



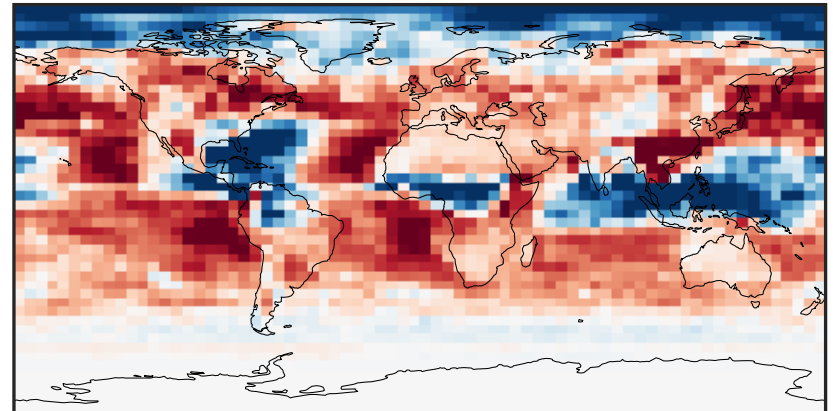
0.0 0.6 1.2 1.8
s-1 $1e-5$

Difference
Dev - Ref, Dynamic Range



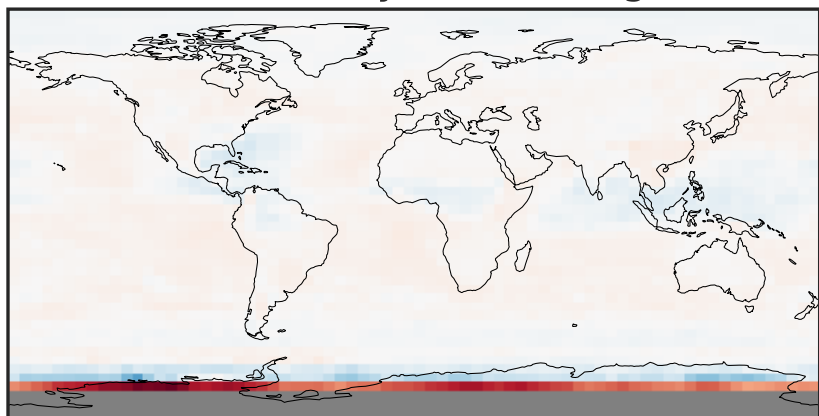
-2.5 0.0 2.5
s-1 $1e-7$

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



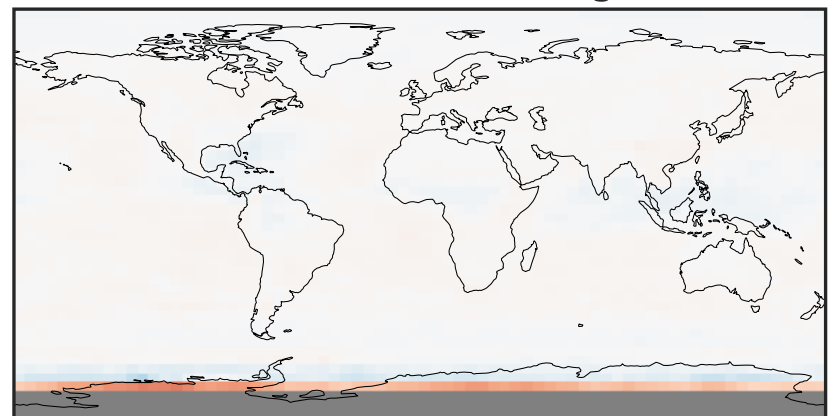
-1.5 0.0 1.5
s-1 $1e-7$

Ratio
Dev/Ref, Dynamic Range



0.6989 0.8495 1.0000 1.2154 1.4307
unitless

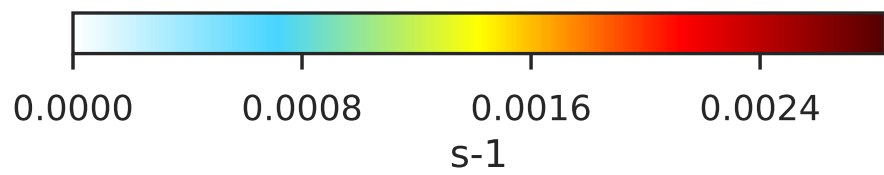
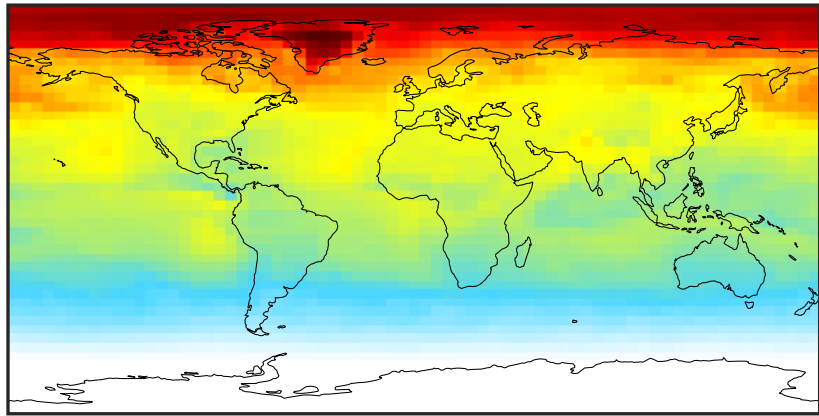
Ratio
Dev/Ref, Fixed Range



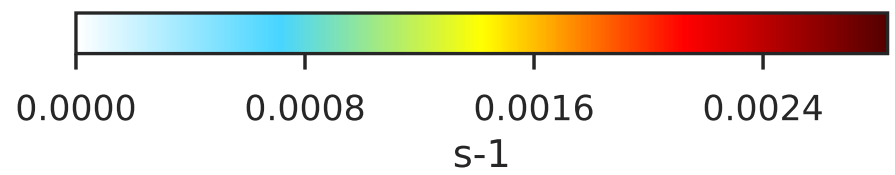
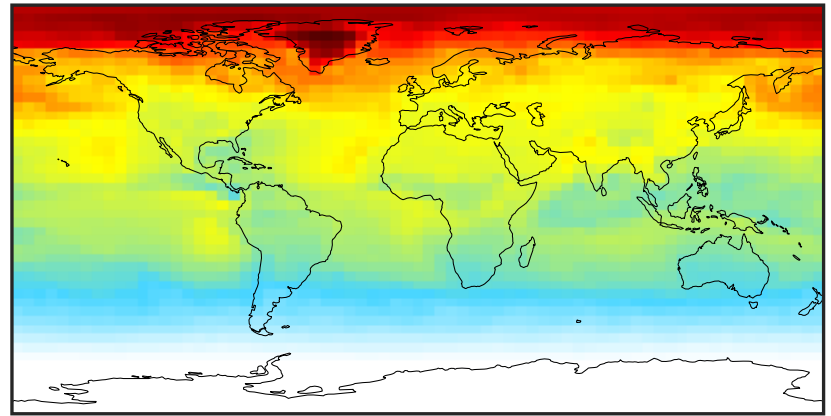
0.50 0.75 1.00 1.50 2.00
unitless

Jval_HOBr (Jul2019)

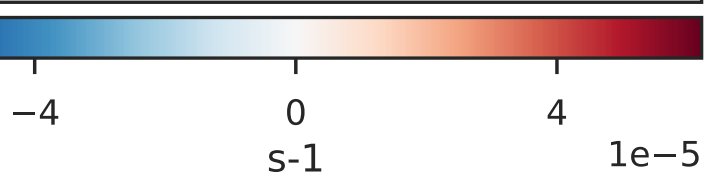
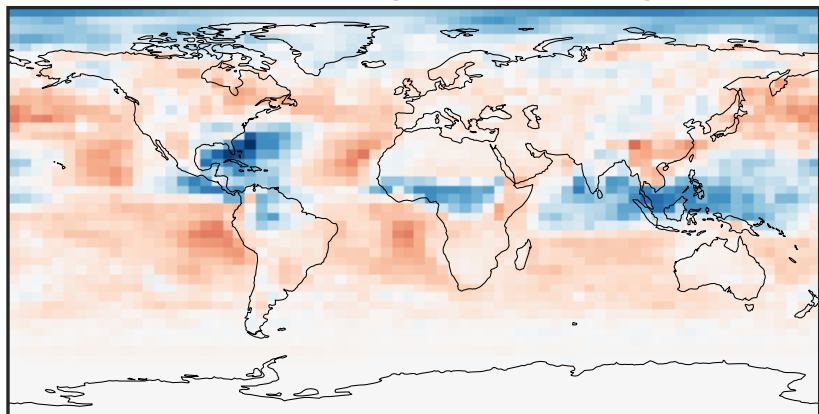
14.2.0-rc.2 (Ref)
4.0x5.0



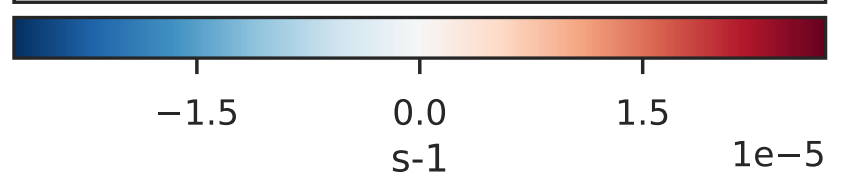
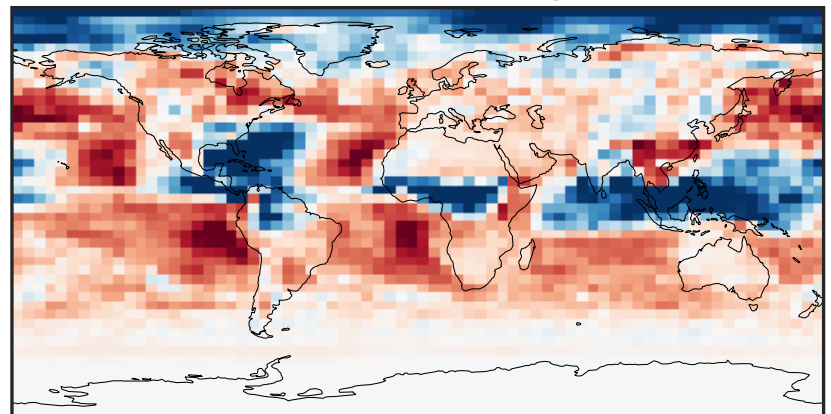
14.3.0-rc.0 (Dev)
4.0x5.0



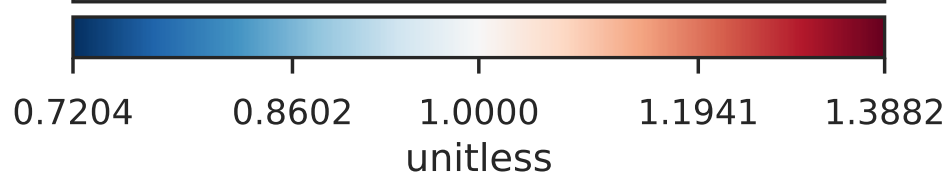
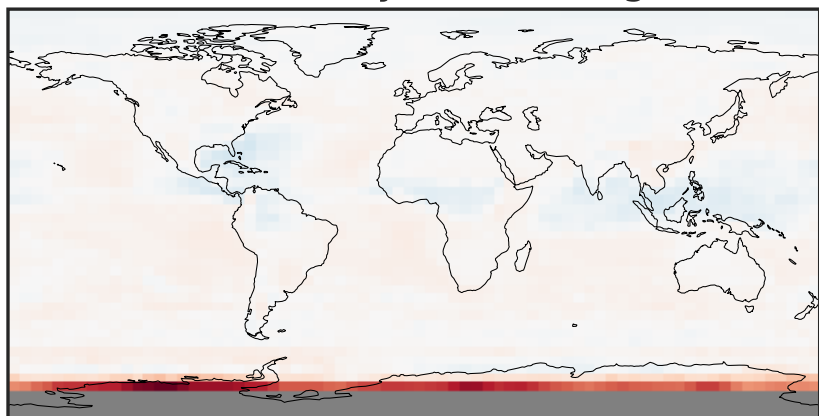
Difference
Dev - Ref, Dynamic Range



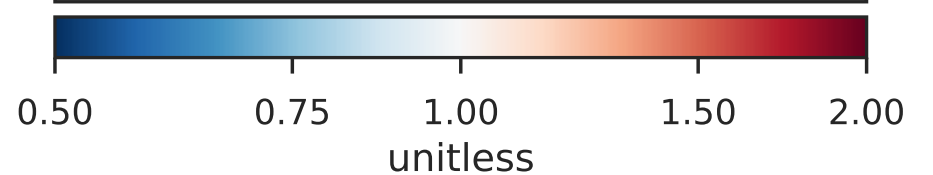
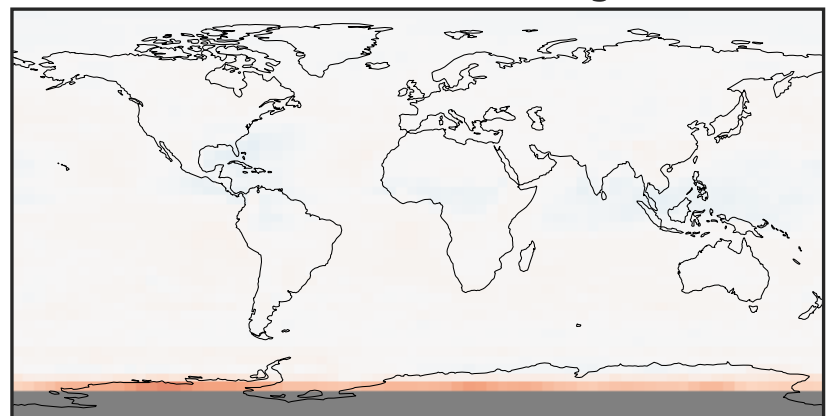
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

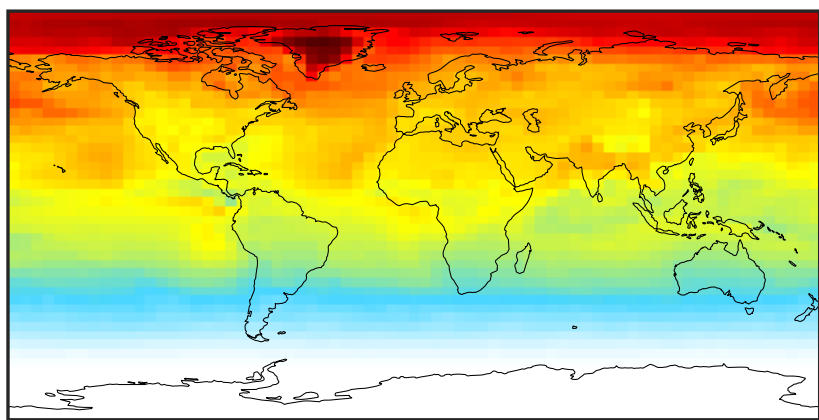


Ratio
Dev/Ref, Fixed Range



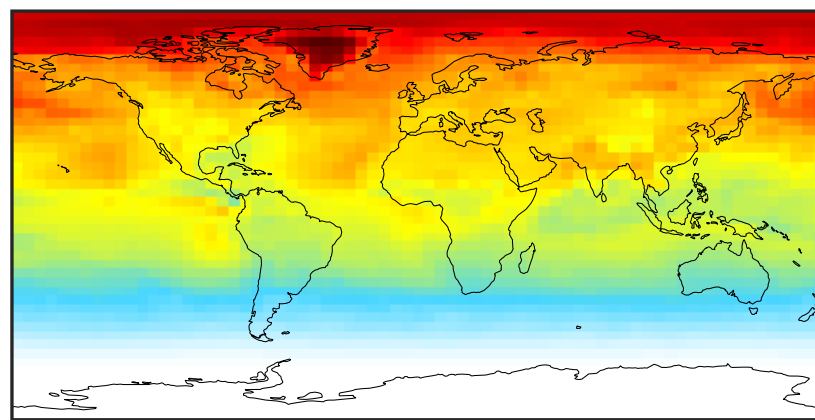
Jval_HOCl (Jul2019)

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



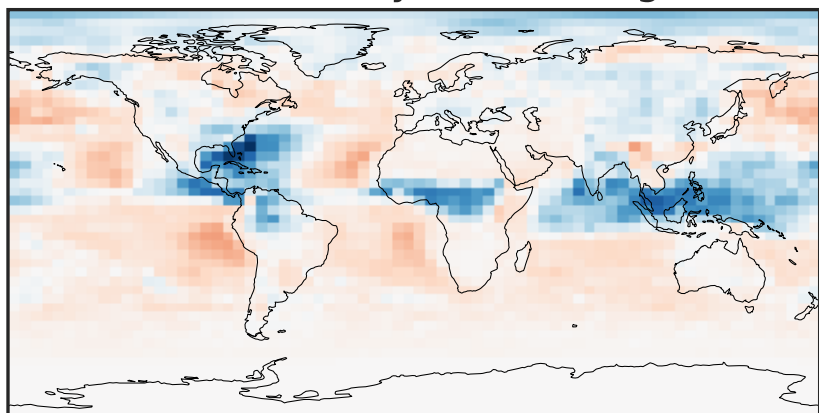
0.00000 0.00008 0.00016 0.00024
s-1

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



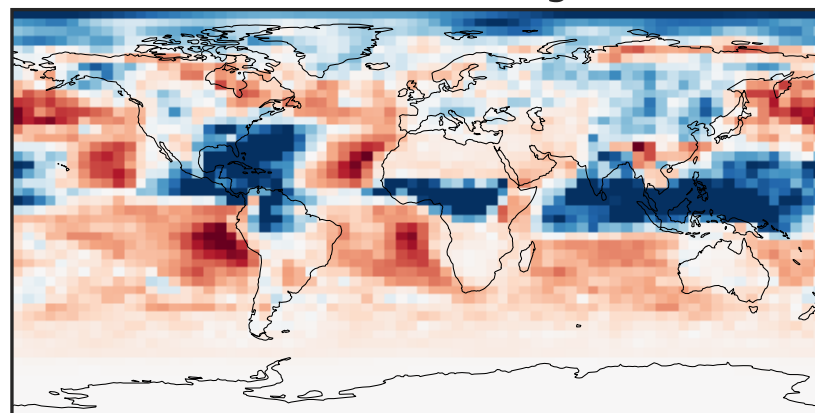
0.00000 0.00008 0.00016 0.00024
s-1

Difference
Dev - Ref, Dynamic Range



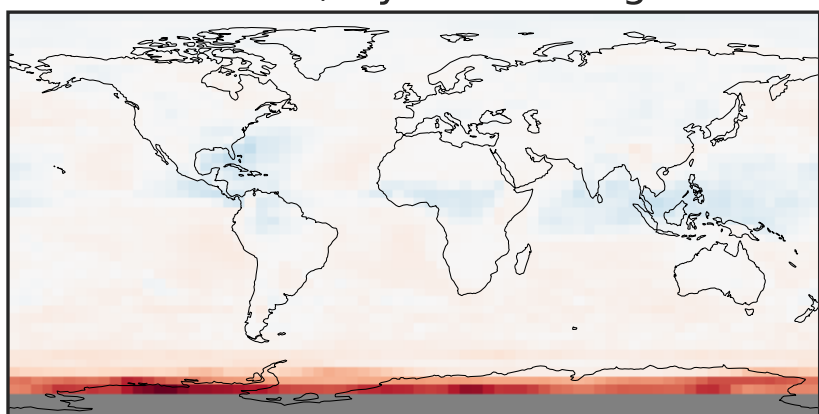
-5 0 5
s-1 1e-6

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



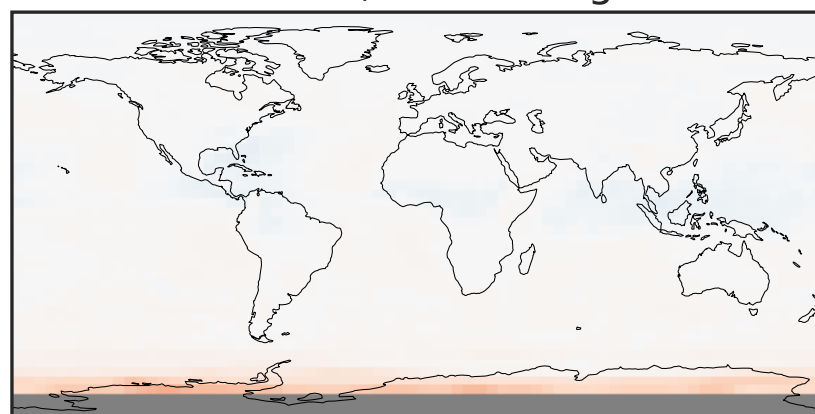
-2 0 2
s-1 1e-6

Ratio
Dev/Ref, Dynamic Range



0.7788 0.8894 1.0000 1.1420 1.2840
unitless

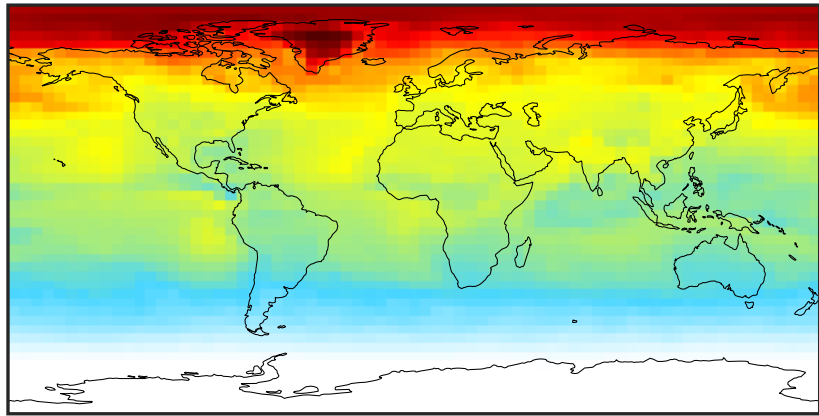
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

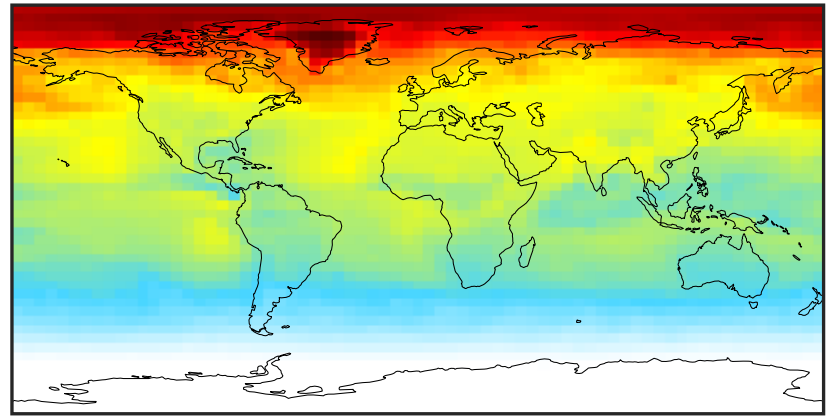
Jval_HOI (Jul2019)

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



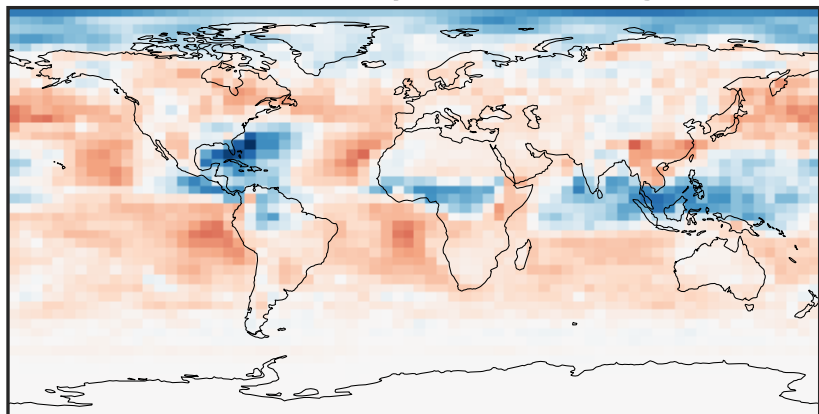
0.000 0.003 0.006 0.009
s-1

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



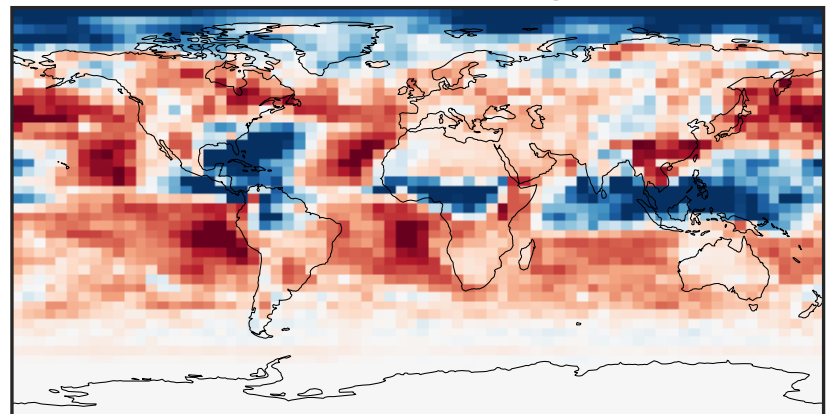
0.000 0.003 0.006 0.009
s-1

Difference
Dev - Ref, Dynamic Range



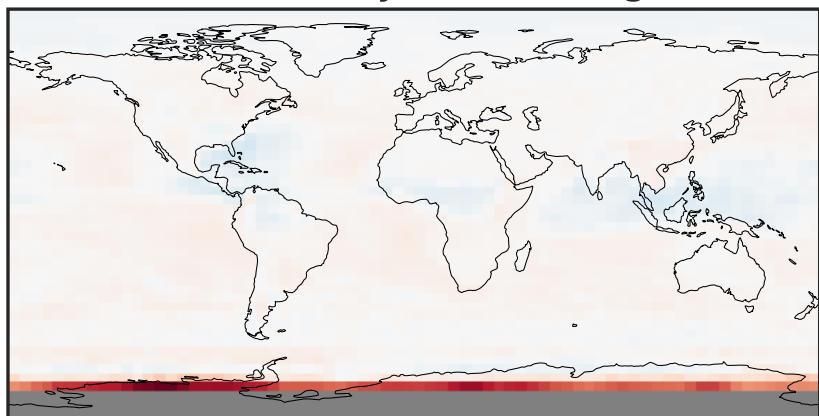
-0.00015 0.00000 0.00015
s-1

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



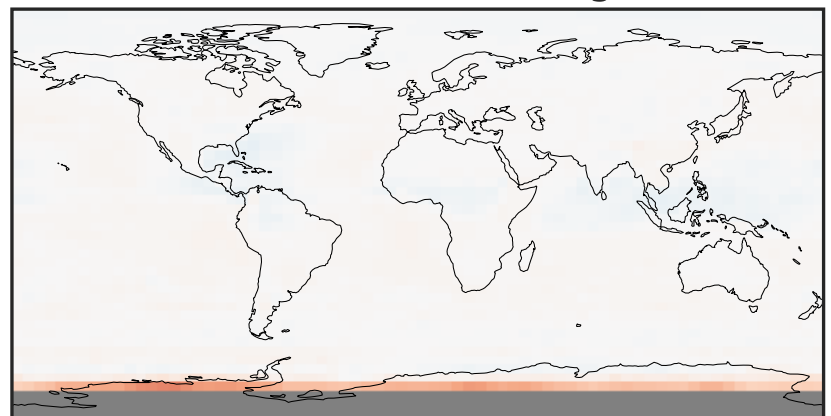
-6 0 6
s-1 1e-5

Ratio
Dev/Ref, Dynamic Range



0.7096 0.8548 1.000 1.2046 1.4092
unitless

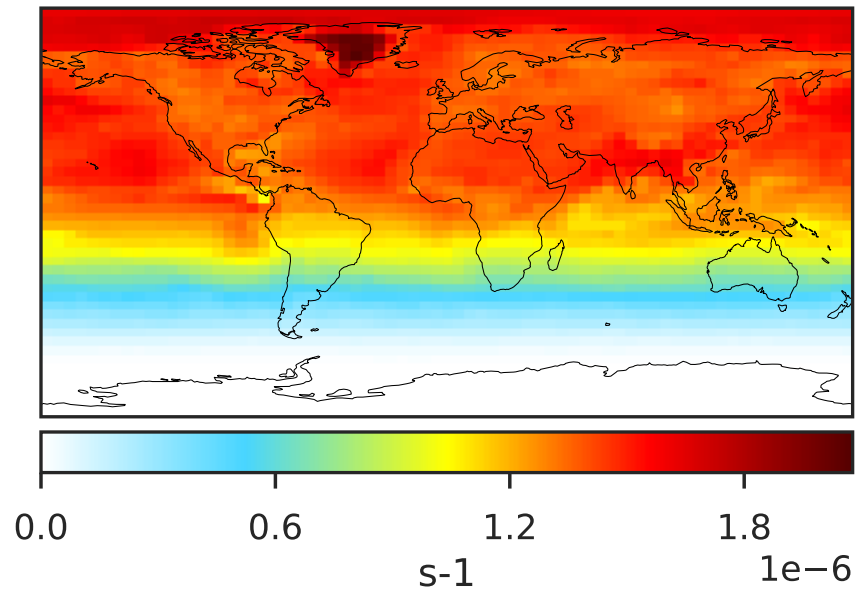
Ratio
Dev/Ref, Fixed Range



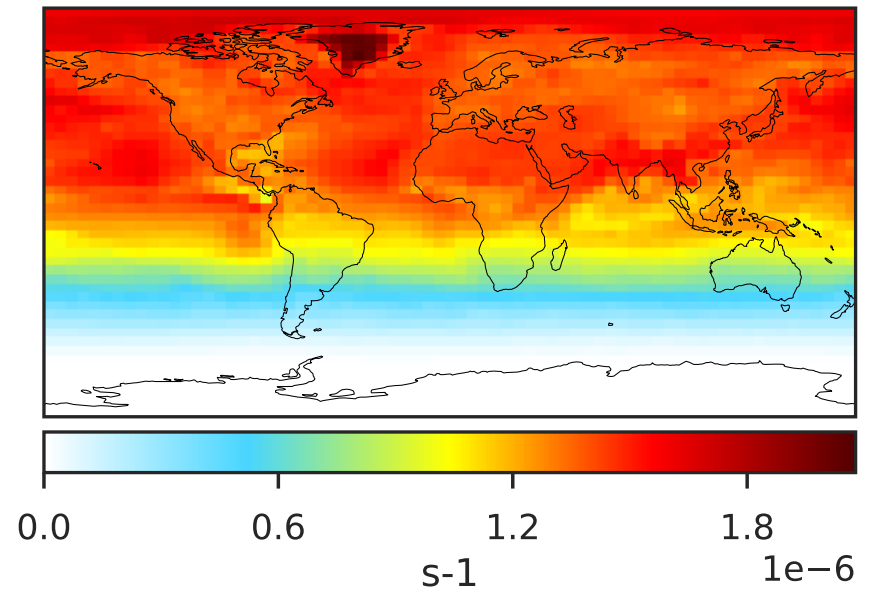
0.50 0.75 1.00 1.50 2.00
unitless

Jval_HONIT (Jul2019)

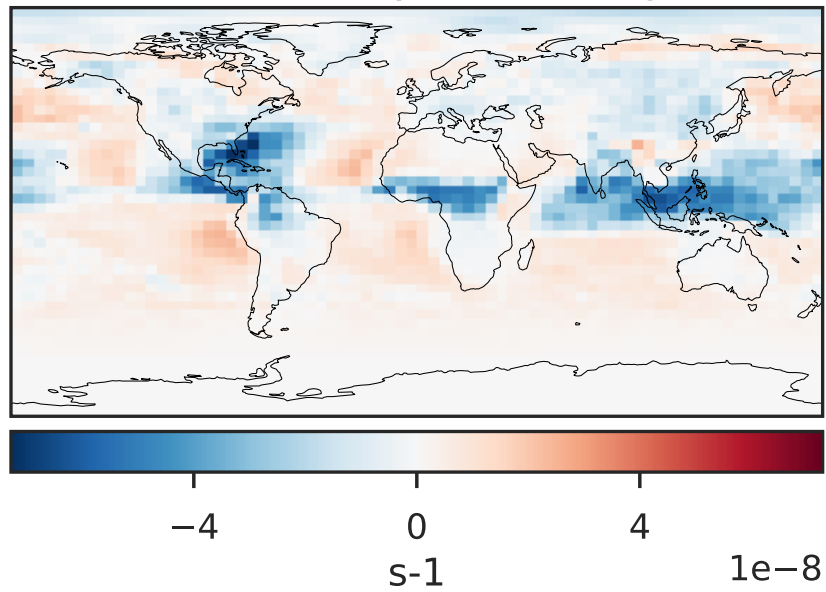
14.2.0-rc.2 (Ref)
4.0x5.0



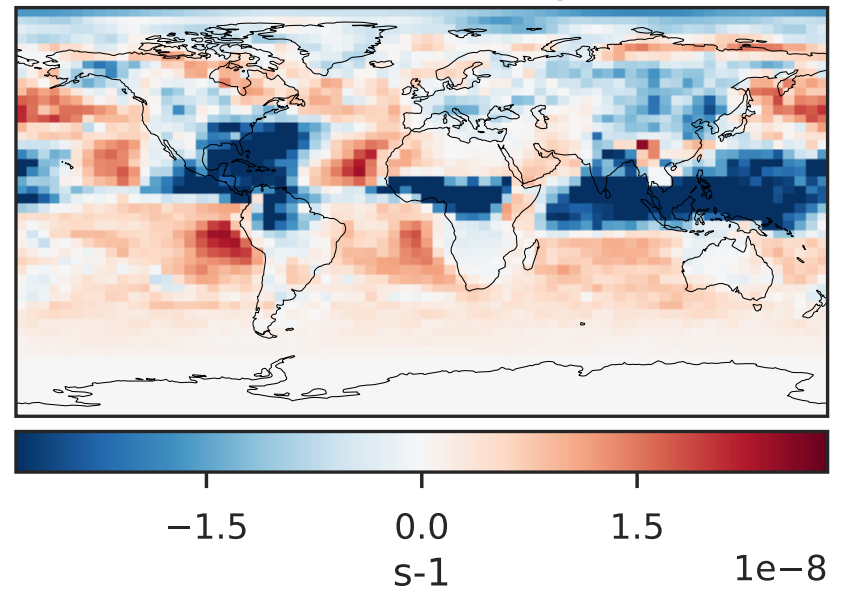
14.3.0-rc.0 (Dev)
4.0x5.0



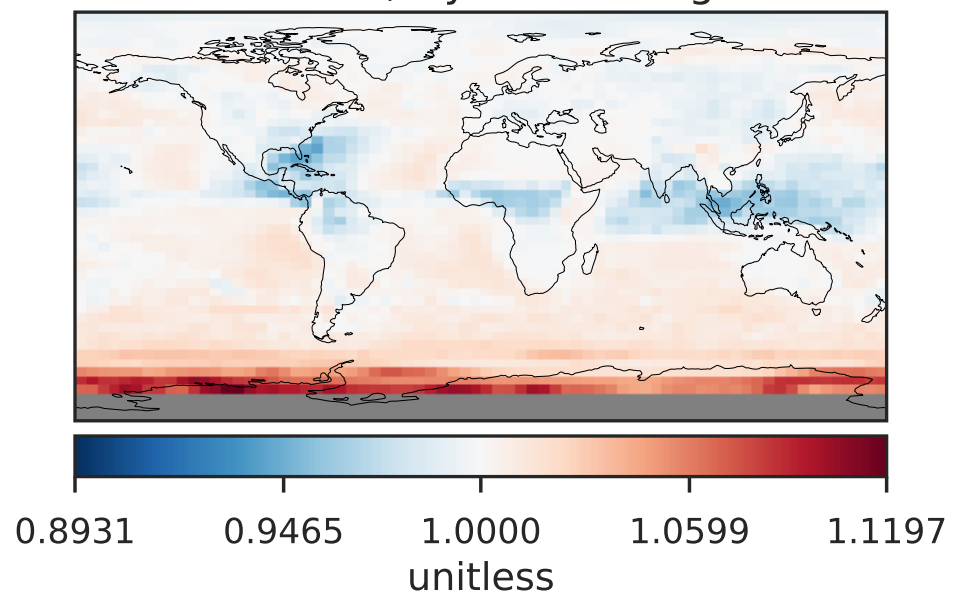
Difference
Dev - Ref, Dynamic Range



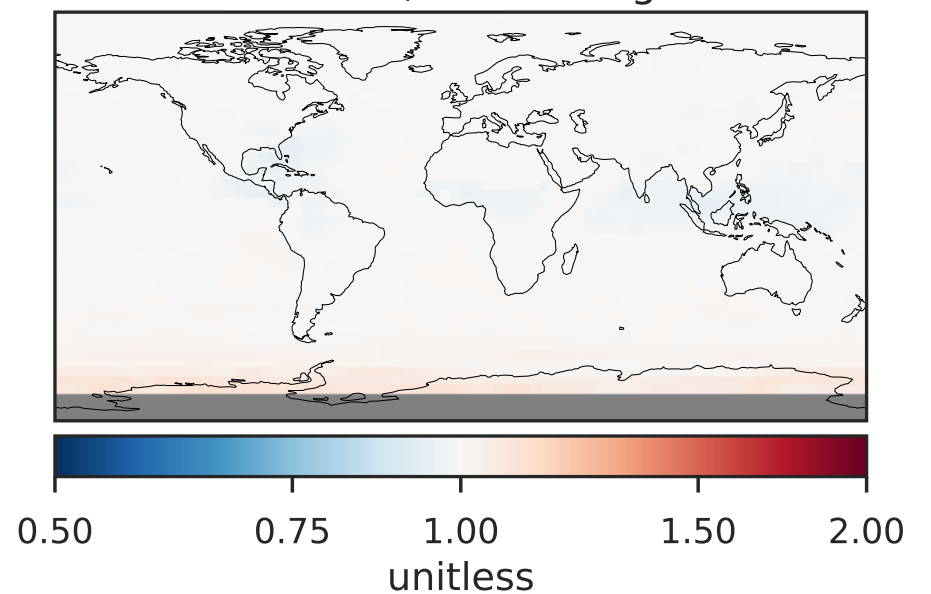
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

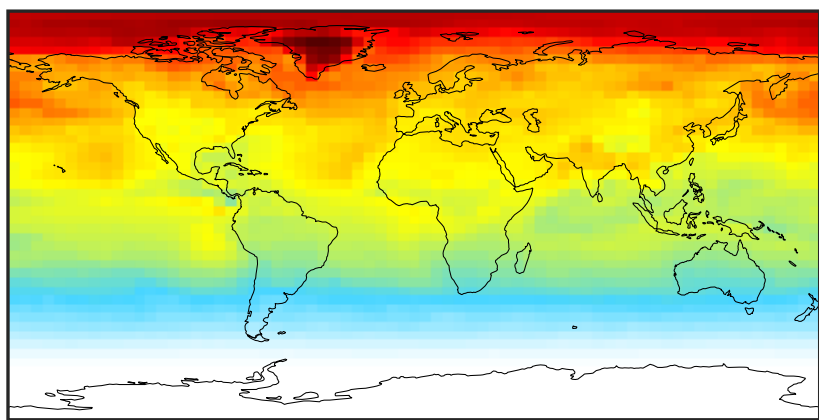


Ratio
Dev/Ref, Fixed Range



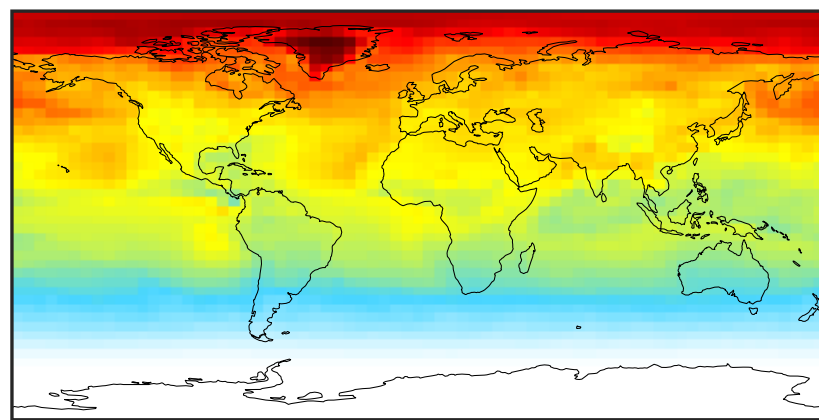
Jval_HPALD1 (Jul2019)

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



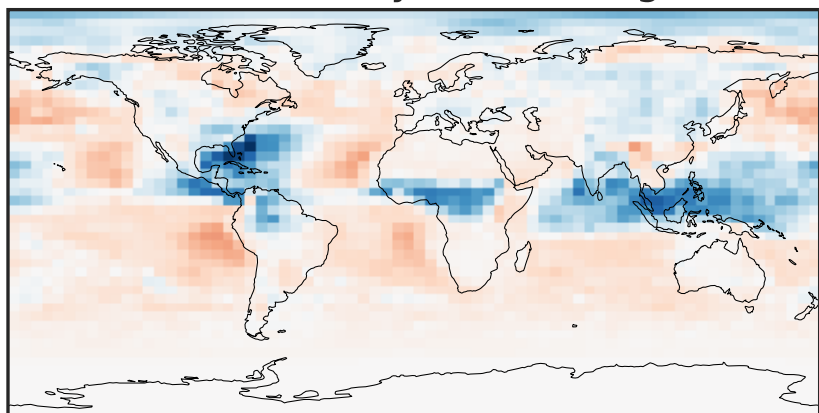
0.0000 0.0001 0.0002 0.0003
s-1

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



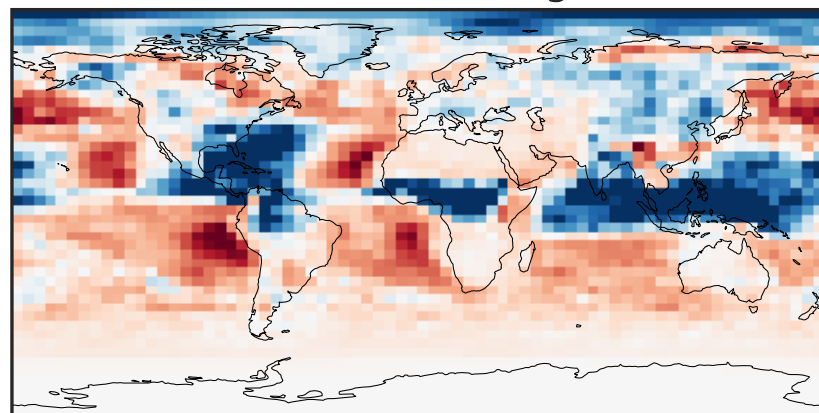
0.0000 0.0001 0.0002 0.0003
s-1

Difference
Dev - Ref, Dynamic Range



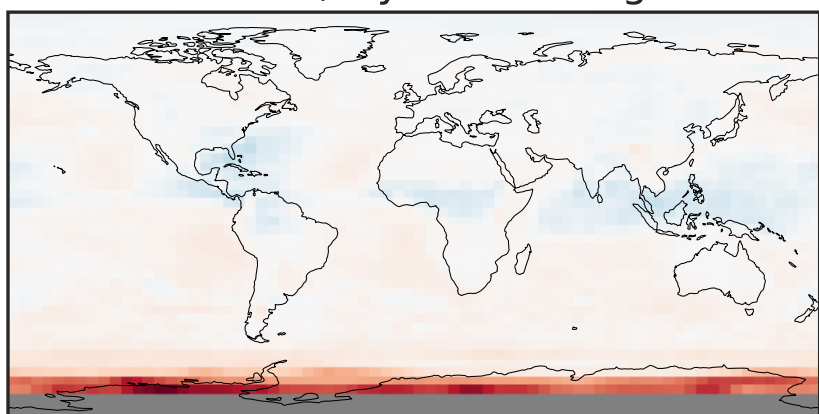
-5 0 5
s-1 1e-6

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



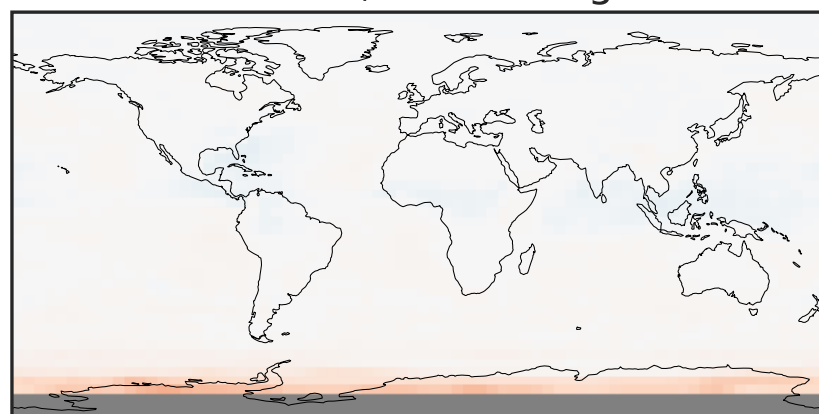
-2 0 2
s-1 1e-6

Ratio
Dev/Ref, Dynamic Range



0.7791 0.8895 1.0000 1.1418 1.2836
unitless

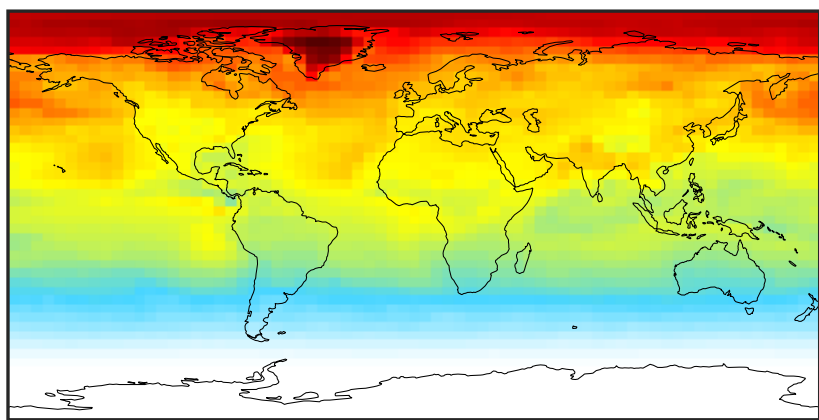
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

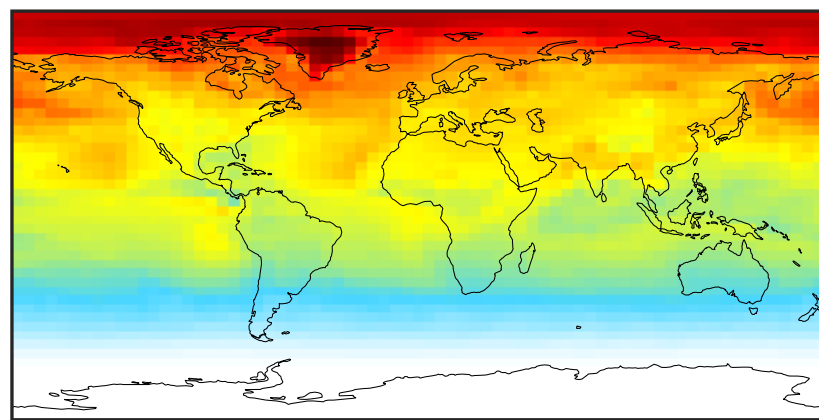
Jval_HPALD2 (Jul2019)

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



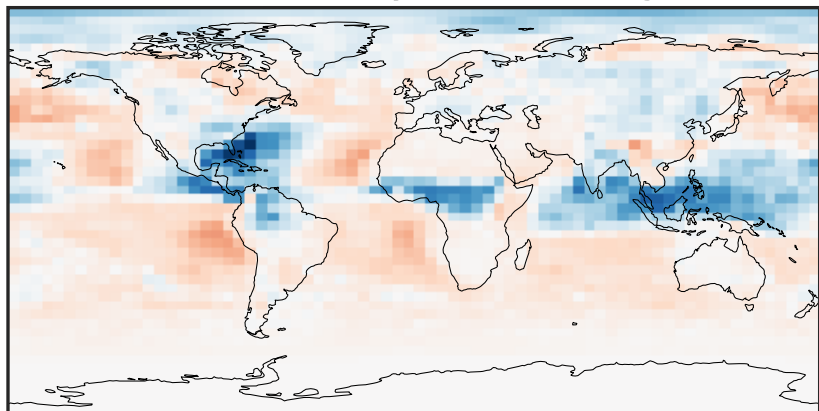
0.0000 0.0001 0.0002 0.0003
s-1

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



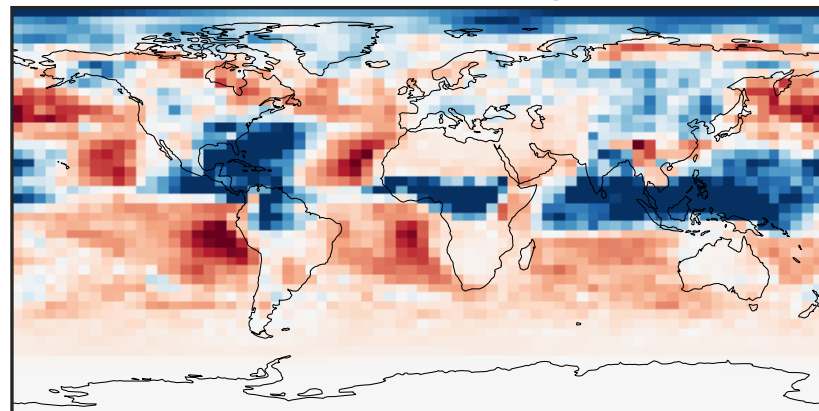
0.0000 0.0001 0.0002 0.0003
s-1

Difference
Dev - Ref, Dynamic Range



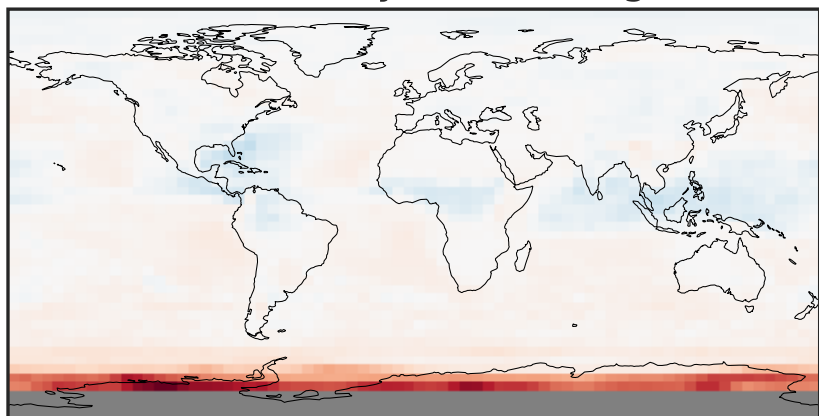
-5 0 5
s-1 1e-6

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



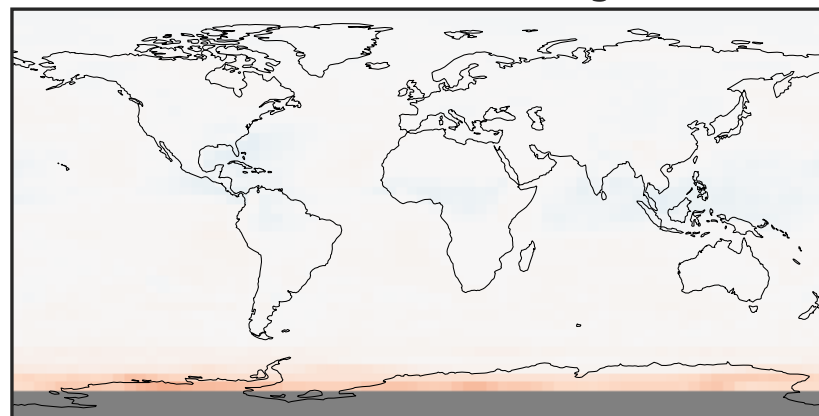
-2 0 2
s-1 1e-6

Ratio
Dev/Ref, Dynamic Range



0.7791 0.8895 1.0000 1.1418 1.2835
unitless

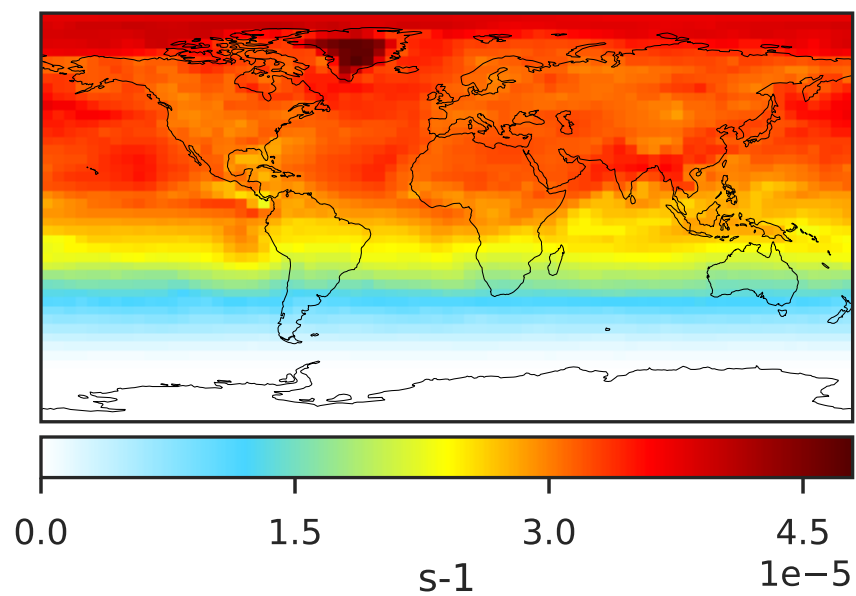
Ratio
Dev/Ref, Fixed Range



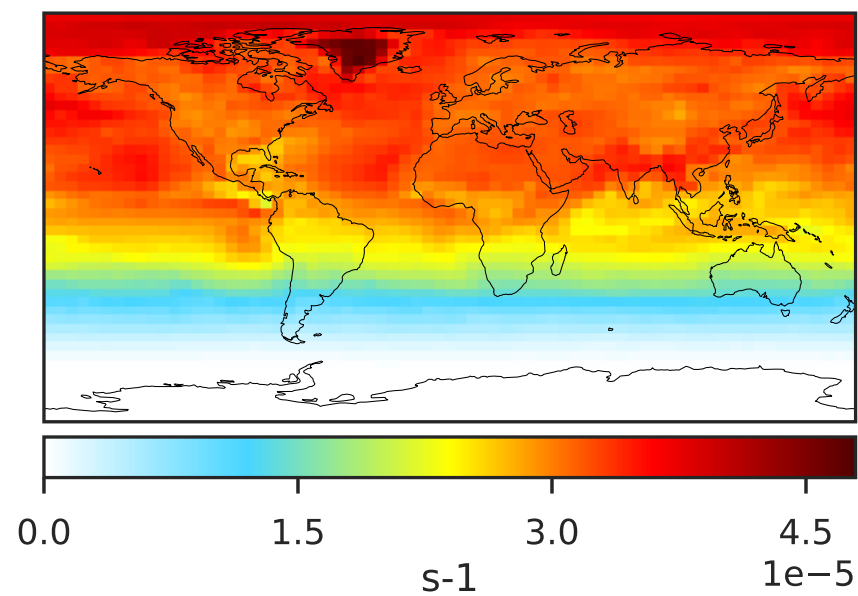
0.50 0.75 1.00 1.50 2.00
unitless

Jval_HPALD3 (Jul2019)

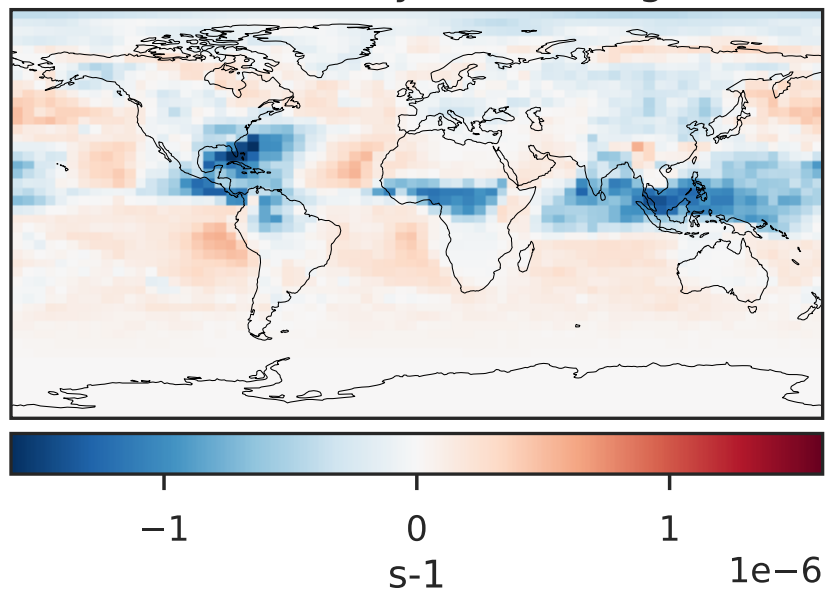
14.2.0-rc.2 (Ref)
4.0x5.0



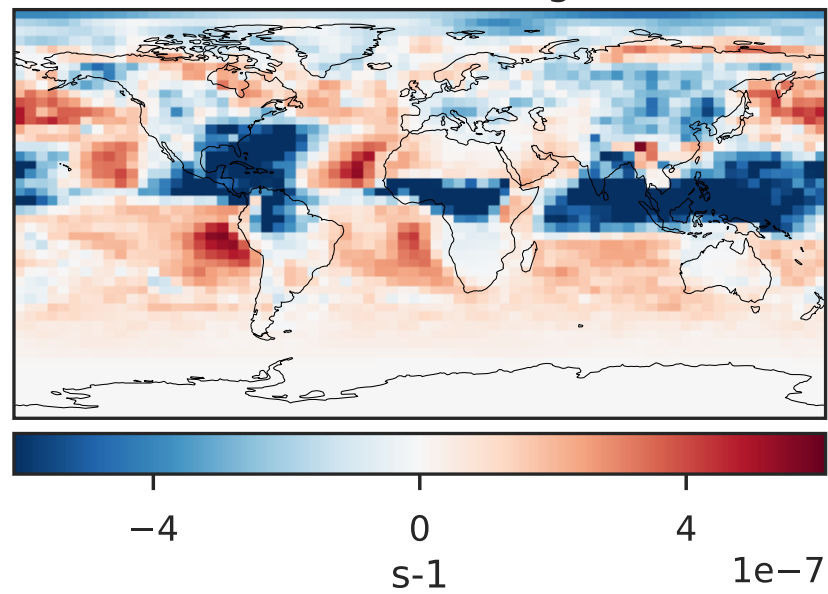
14.3.0-rc.0 (Dev)
4.0x5.0



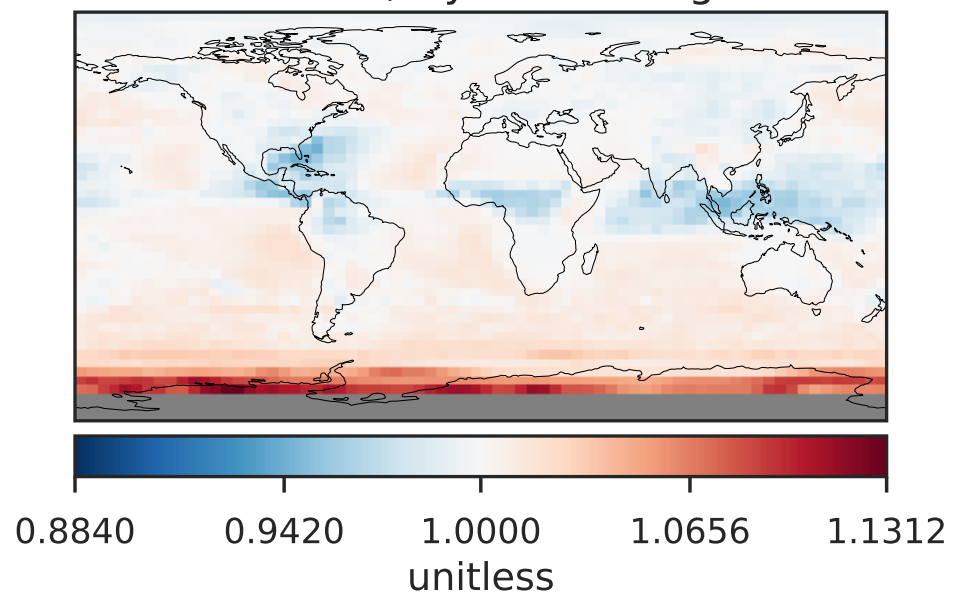
Difference
Dev - Ref, Dynamic Range



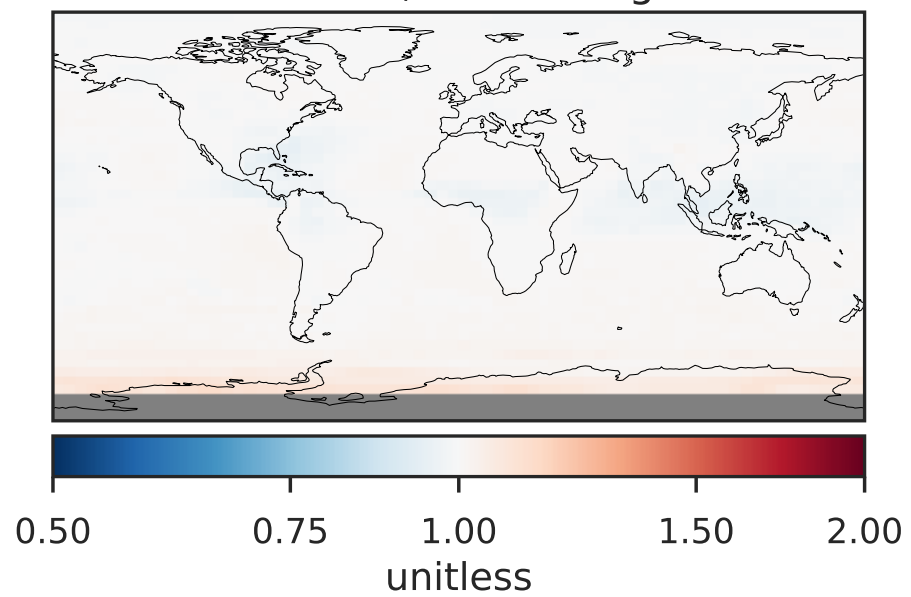
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

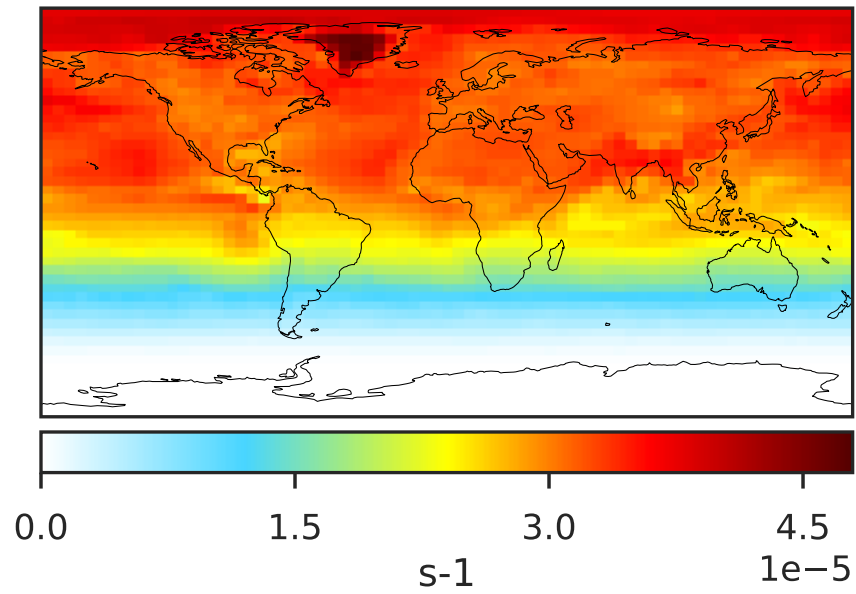


Ratio
Dev/Ref, Fixed Range

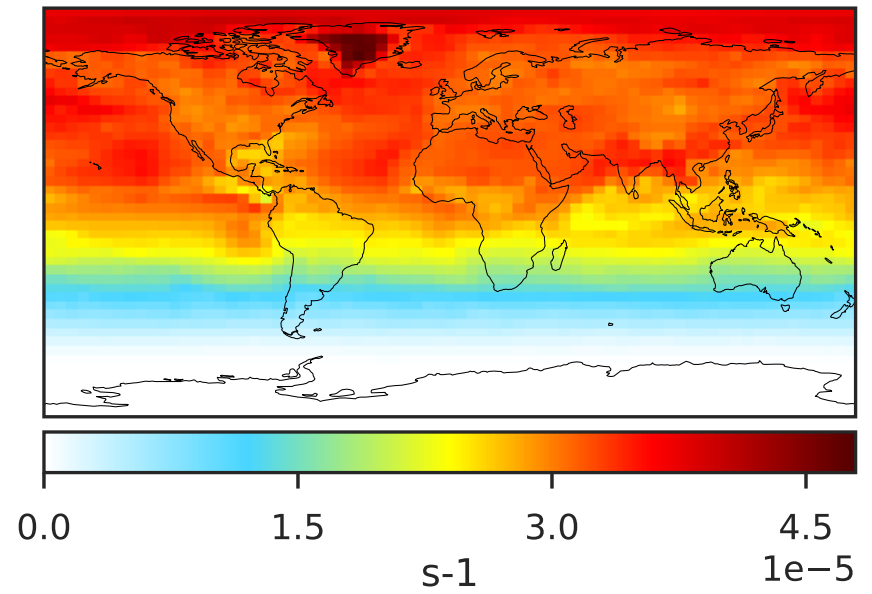


Jval_HPALD4 (Jul2019)

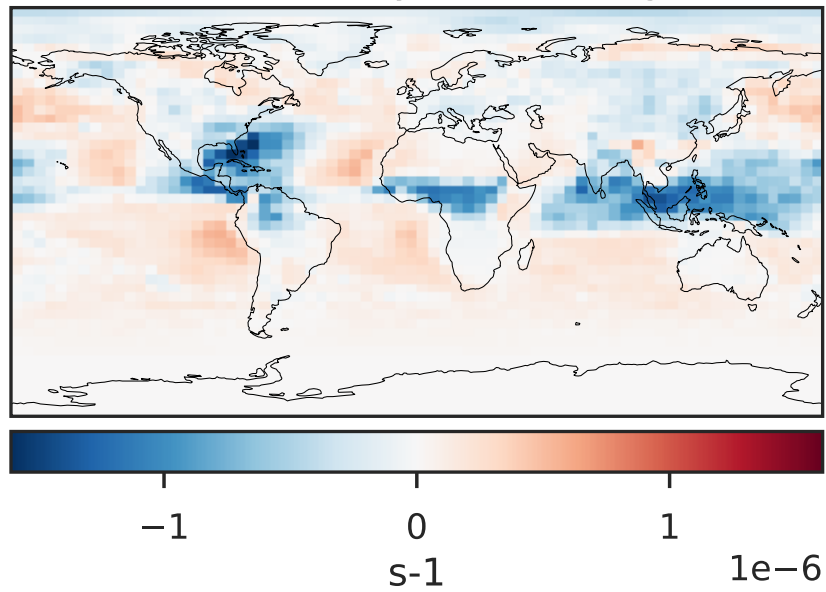
14.2.0-rc.2 (Ref)
4.0x5.0



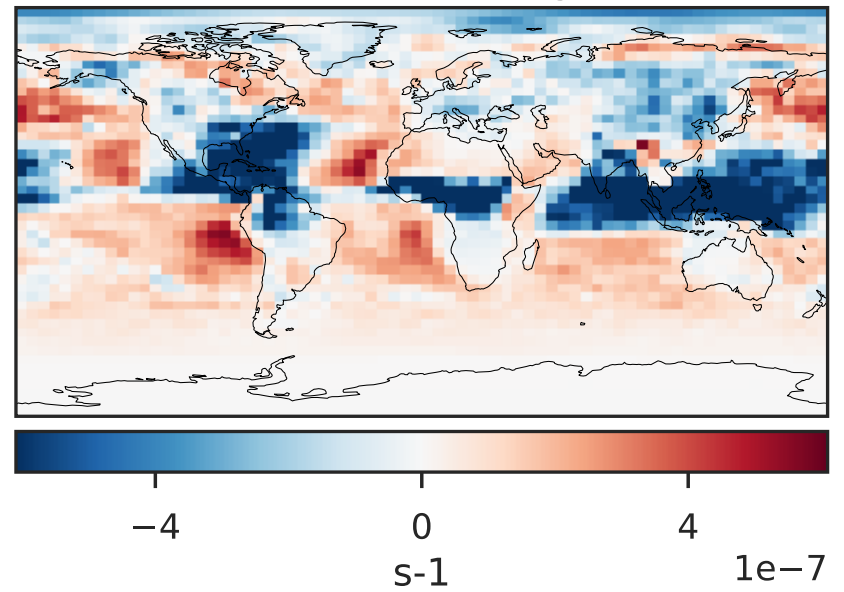
14.3.0-rc.0 (Dev)
4.0x5.0



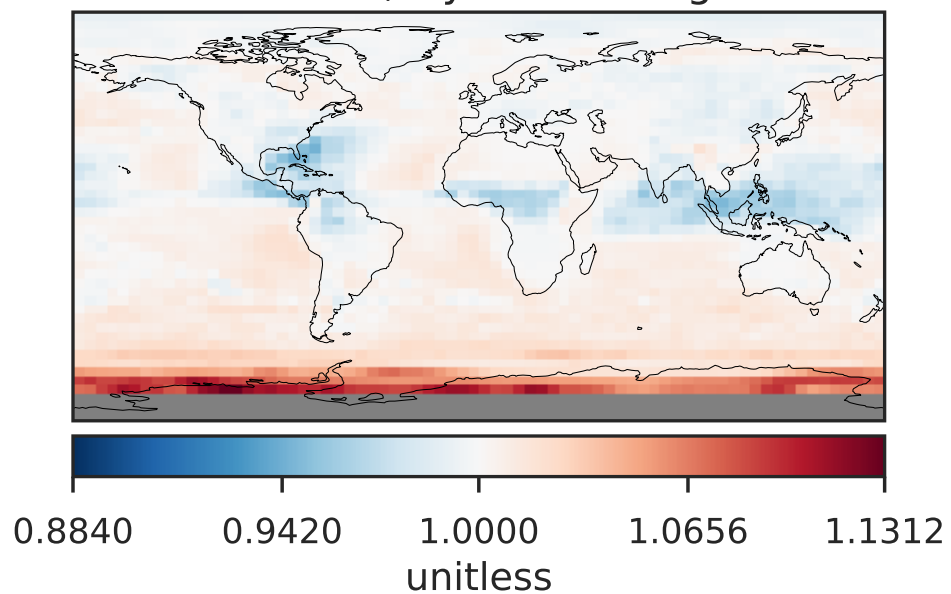
Difference
Dev - Ref, Dynamic Range



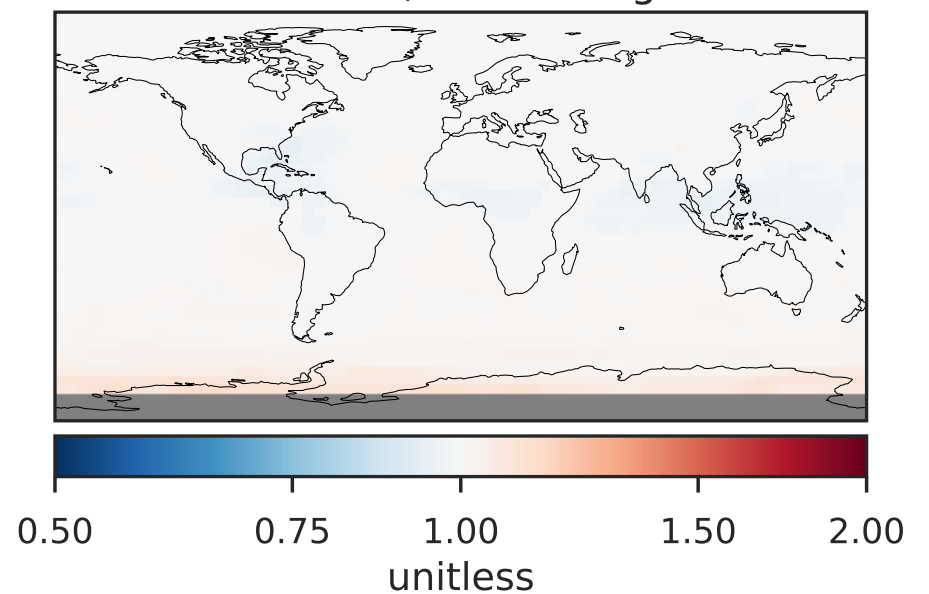
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

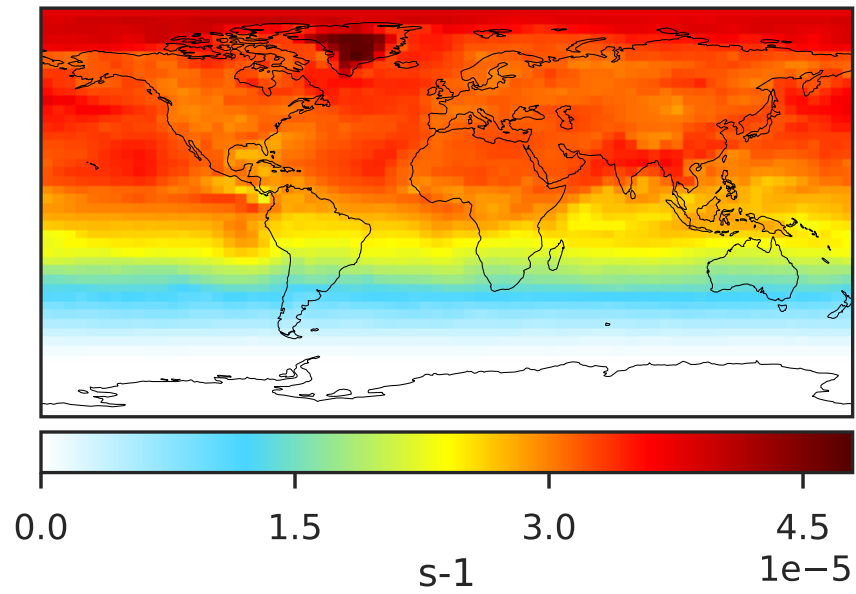


Ratio
Dev/Ref, Fixed Range

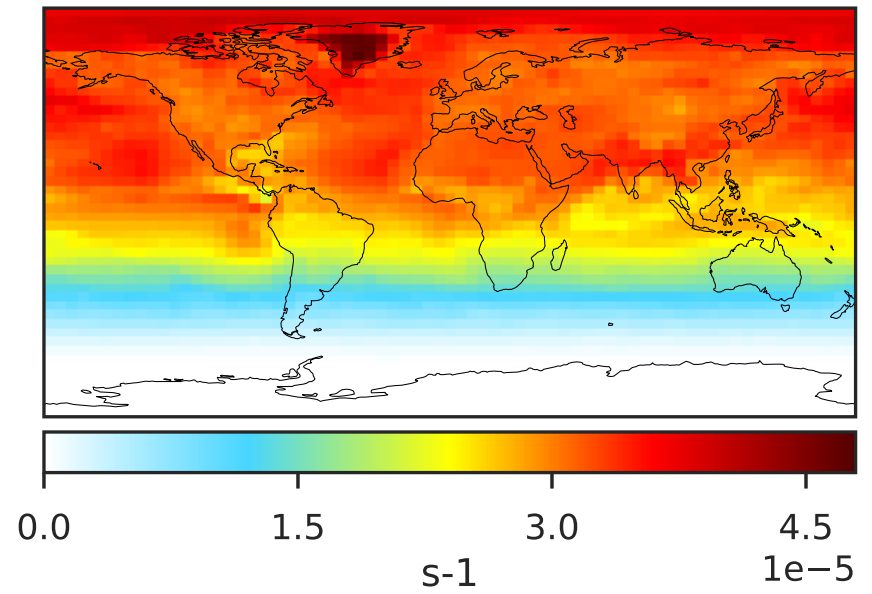


Jval_HPETHNL (Jul2019)

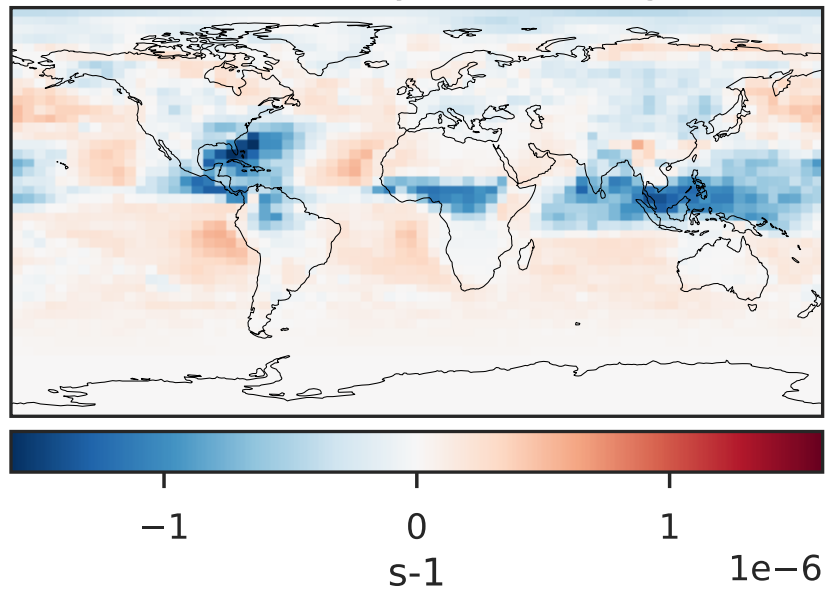
14.2.0-rc.2 (Ref)
4.0x5.0



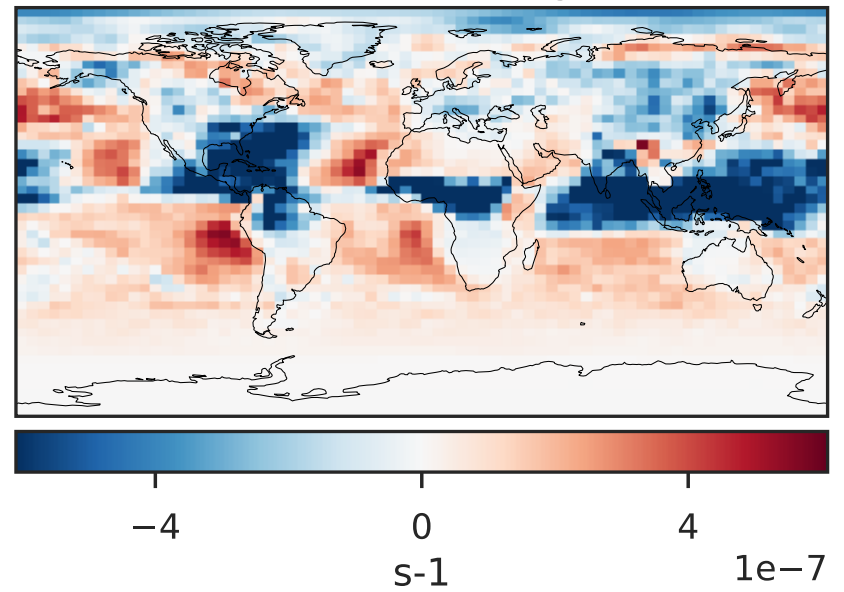
14.3.0-rc.0 (Dev)
4.0x5.0



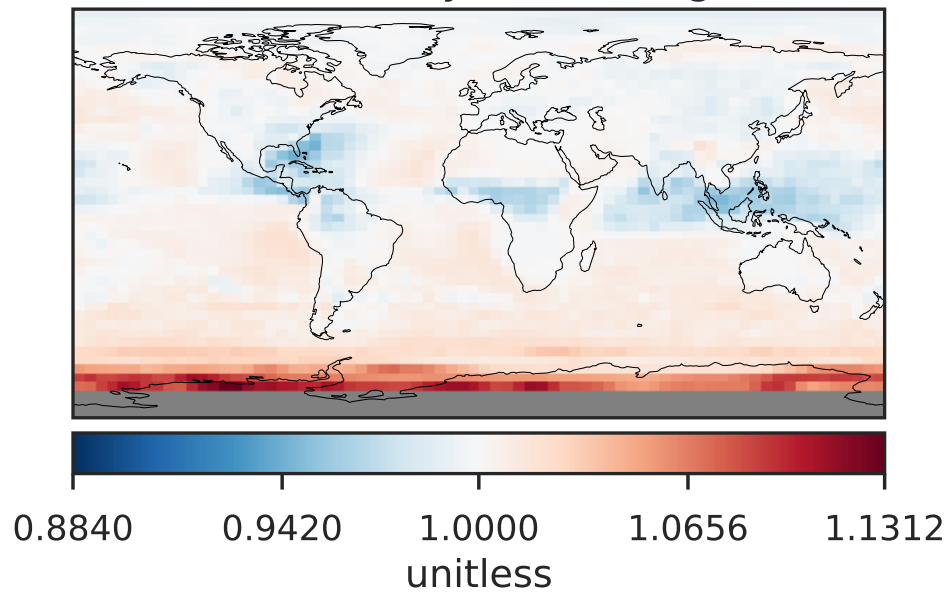
Difference
Dev - Ref, Dynamic Range



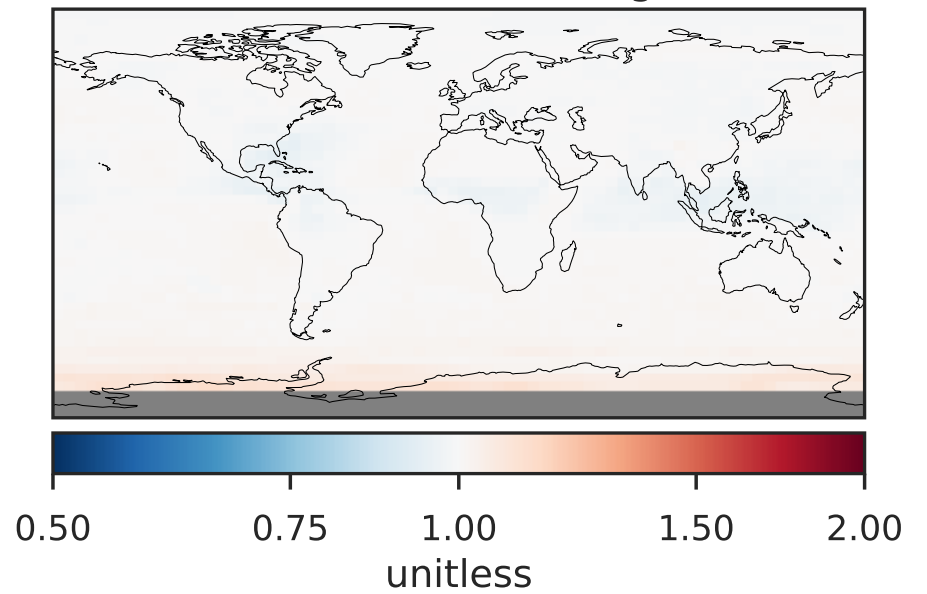
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

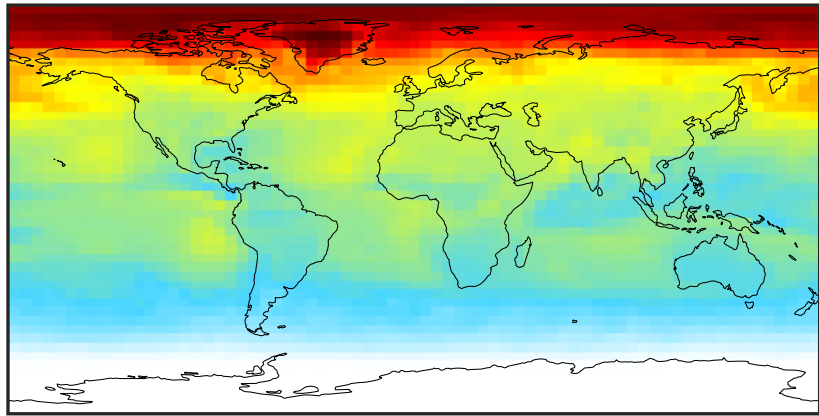


Ratio
Dev/Ref, Fixed Range



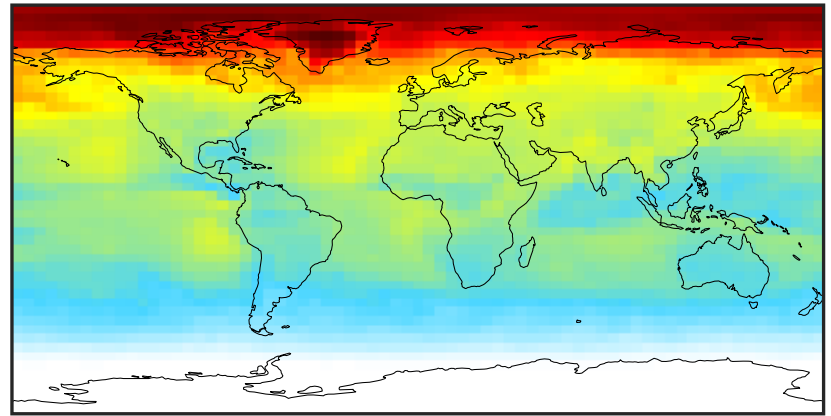
Jval_I2 (Jul2019)

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



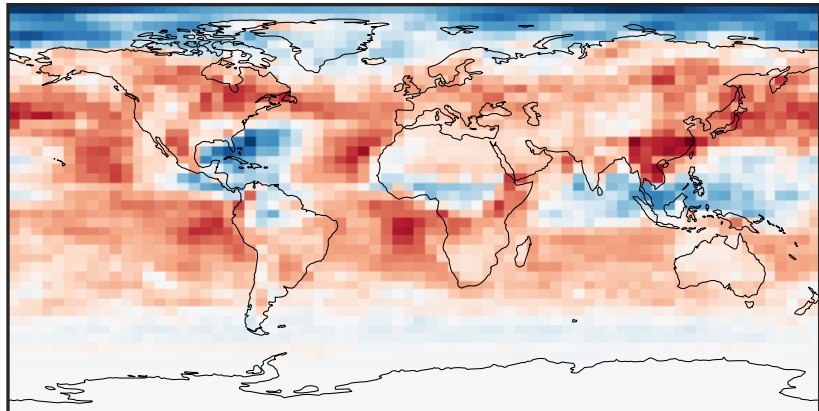
0.0000 0.0673 0.1346 0.2019 0.2692
s-1

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



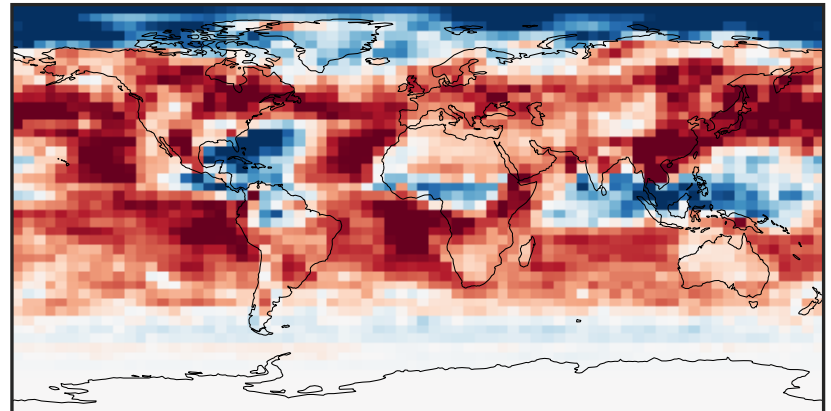
0.0000 0.0673 0.1346 0.2019 0.2692
s-1

Difference
Dev - Ref, Dynamic Range



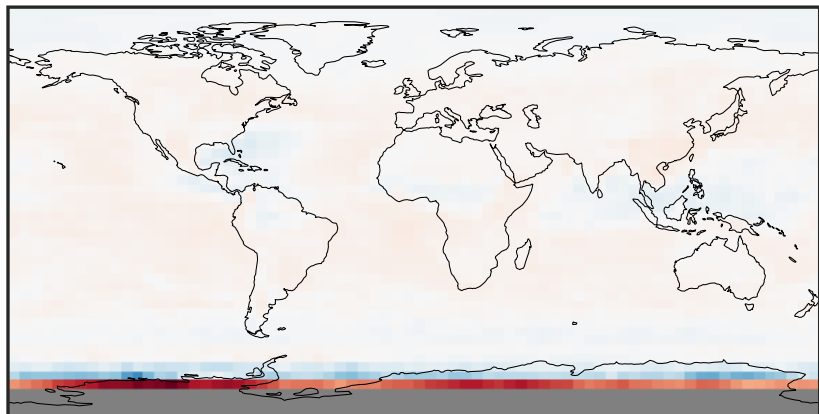
-0.0025 0.0000 0.0025
s-1

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



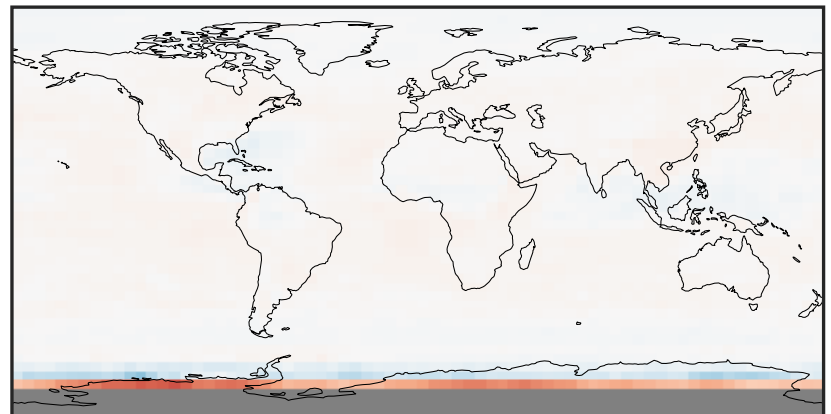
-0.0015 0.0000 0.0015
s-1

Ratio
Dev/Ref, Dynamic Range



0.6429 0.8214 1.0000 1.2777 1.5555
unitless

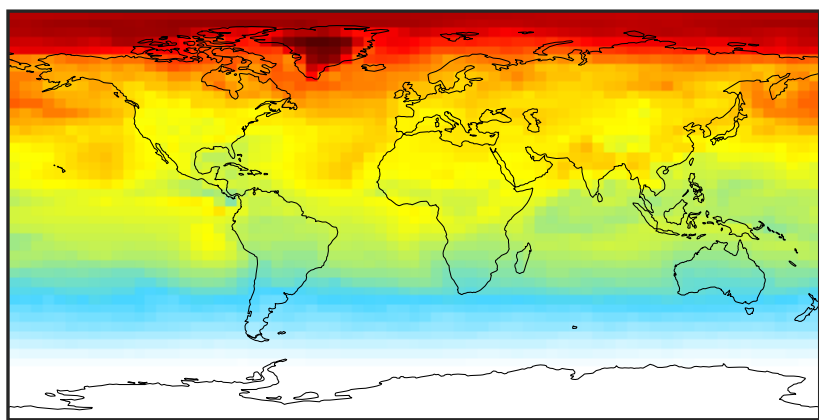
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

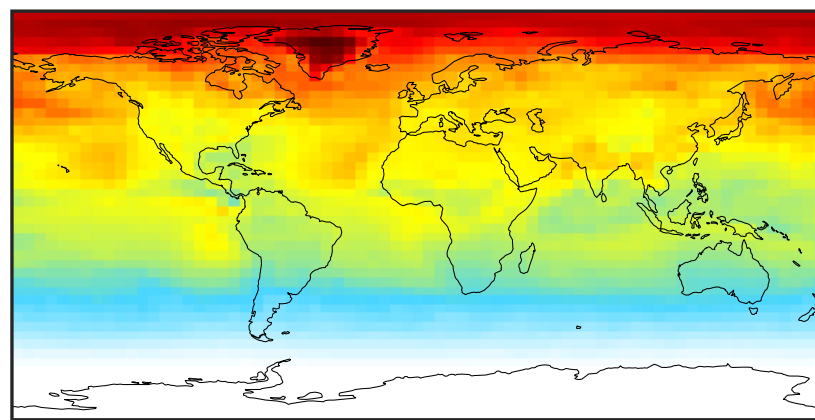
Jval_I2O2 (Jul2019)

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



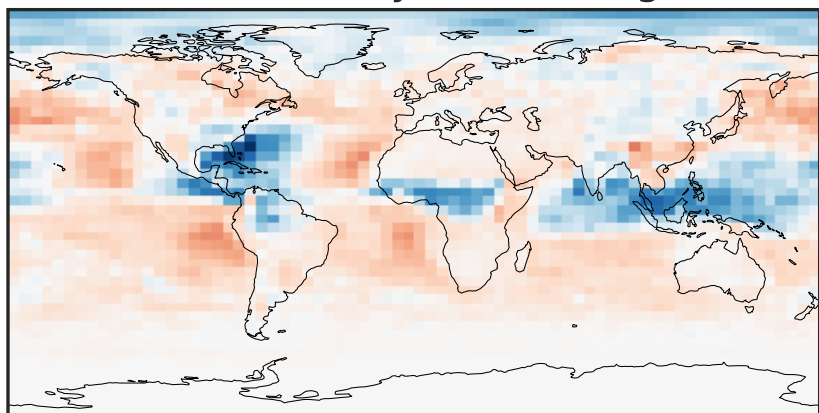
0.000 0.015 0.030 0.045
s-1

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



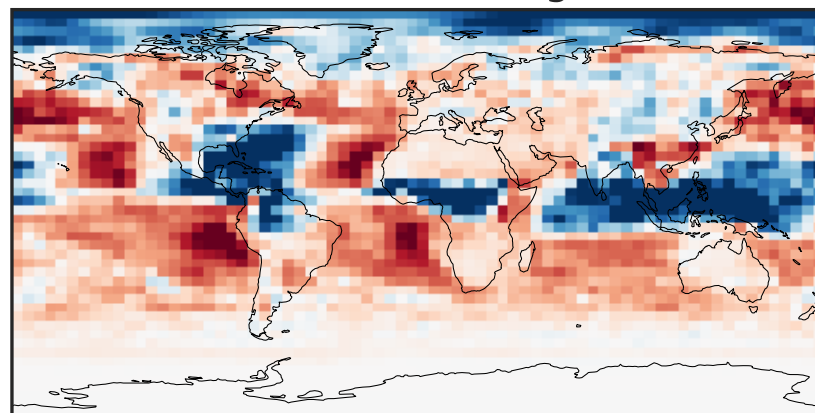
0.000 0.015 0.030 0.045
s-1

Difference
Dev - Ref, Dynamic Range



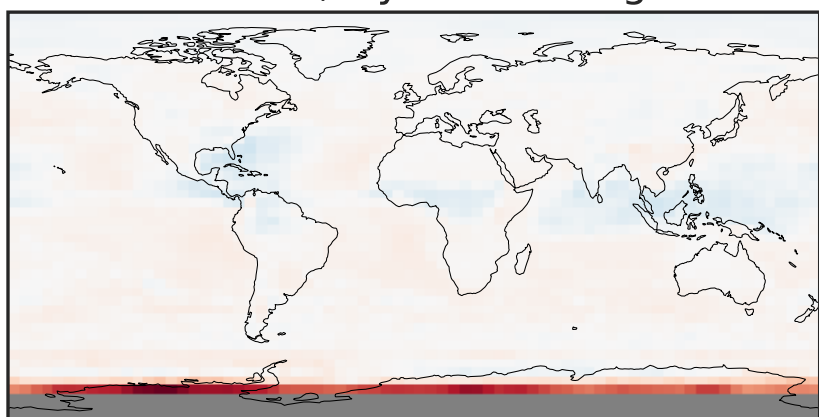
-0.0008 0.0000 0.0008
s-1

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



-0.0003 0.0000 0.0003
s-1

Ratio
Dev/Ref, Dynamic Range



0.7474 0.8737 1.0000 1.1690 1.3379
unitless

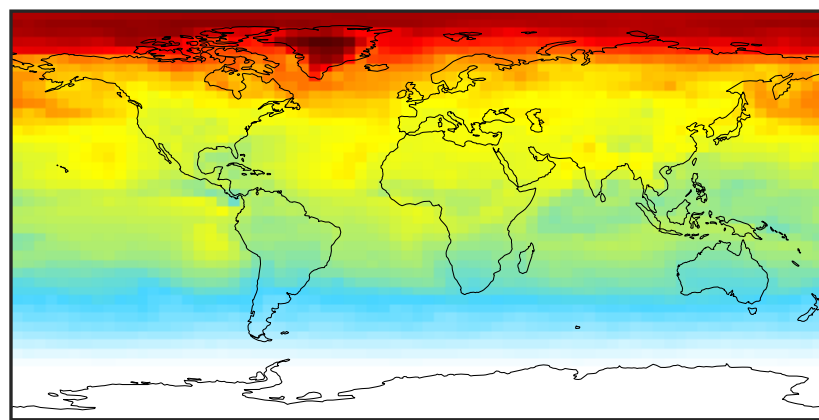
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

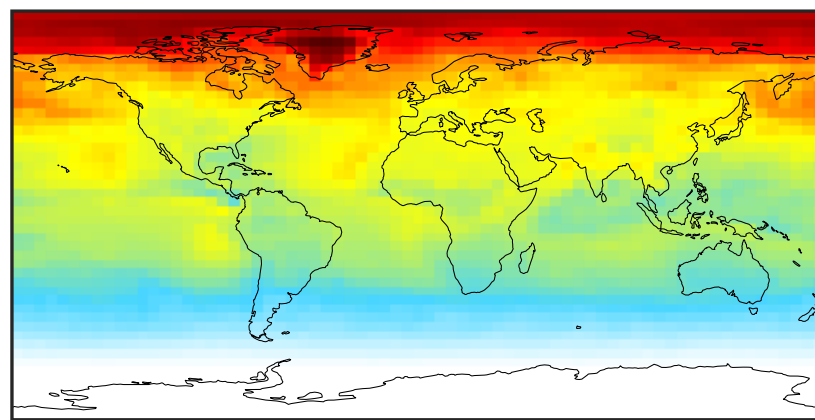
Jval_I203 (Jul2019)

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



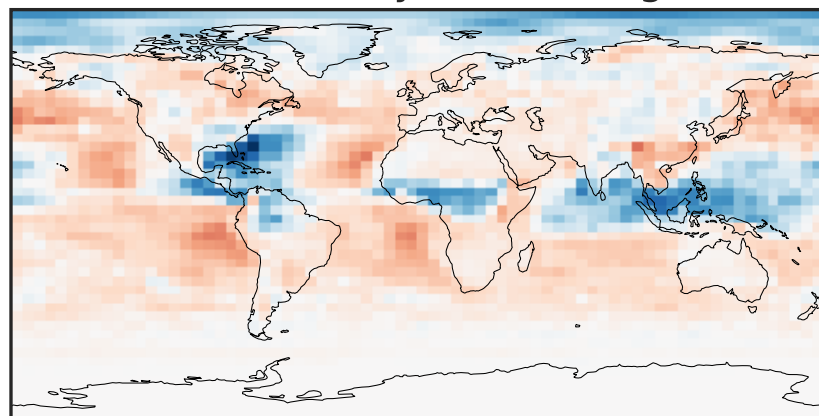
0.000 0.015 0.030 0.045
s-1

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



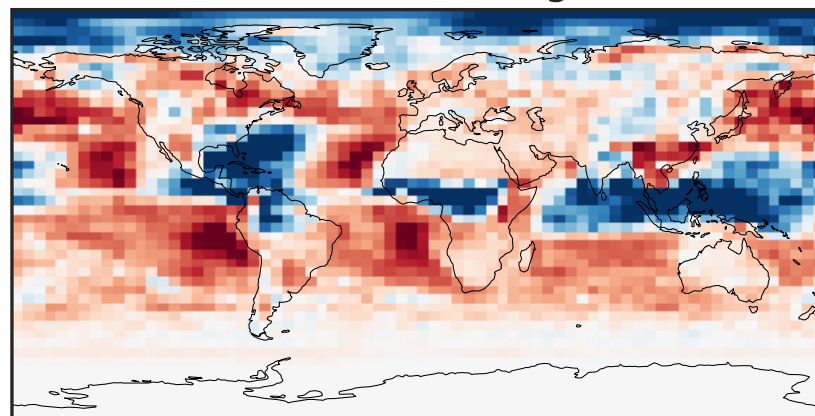
0.000 0.015 0.030 0.045
s-1

Difference
Dev - Ref, Dynamic Range



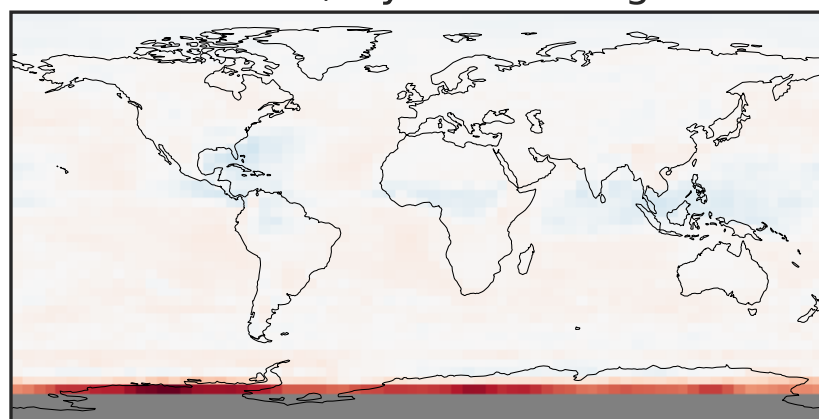
-0.0006 0.0000 0.0006
s-1

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



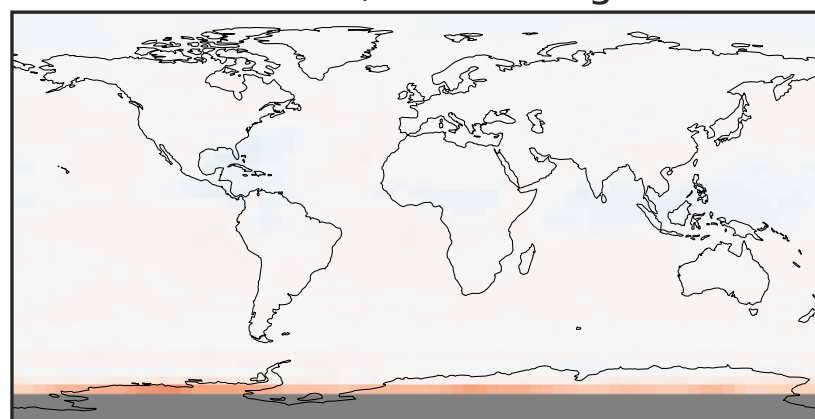
-0.00025 0.00000 0.00025
s-1

Ratio
Dev/Ref, Dynamic Range



0.7262 0.8631 1.0000 1.1885 1.3770
unitless

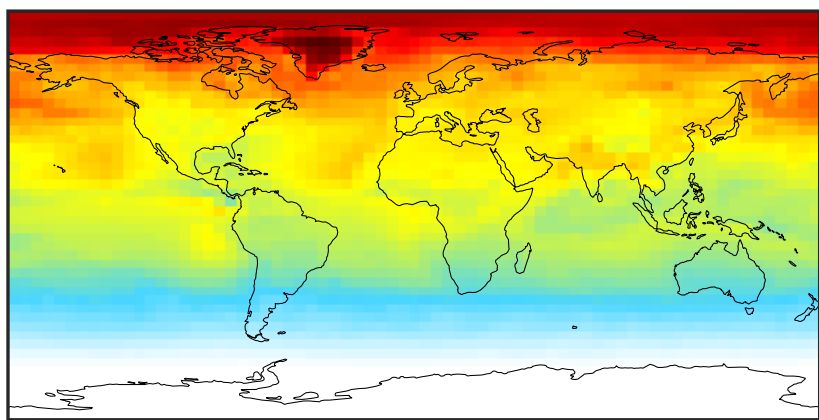
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

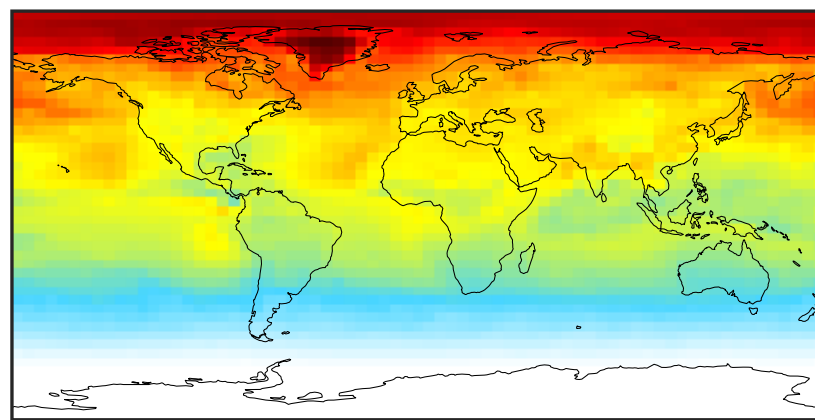
Jval_I2O4 (Jul2019)

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



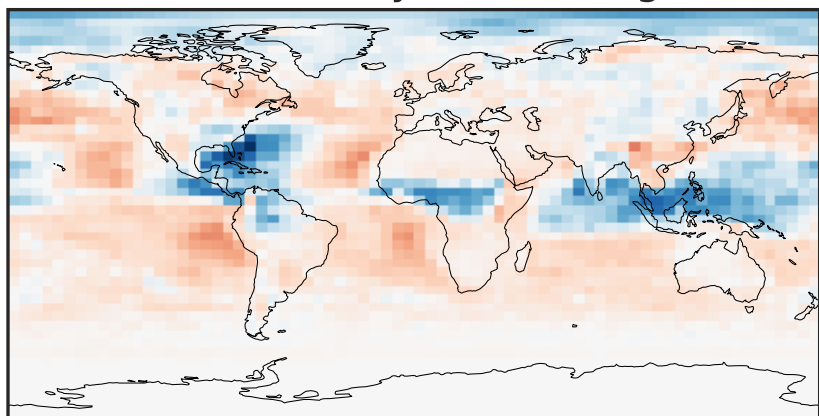
0.000 0.015 0.030 0.045
s-1

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



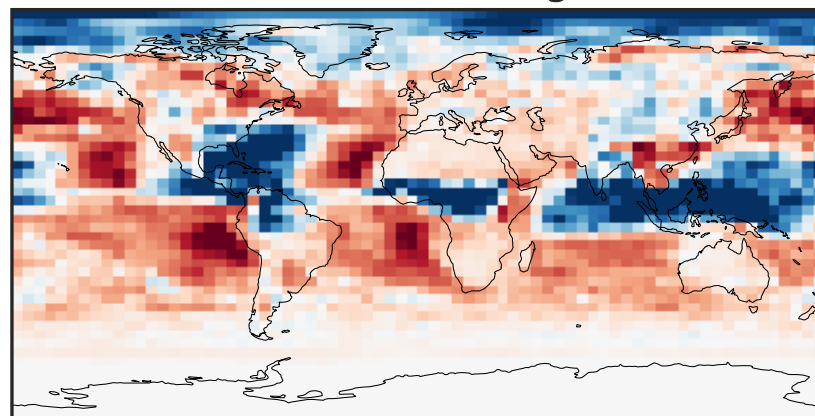
0.000 0.015 0.030 0.045
s-1

Difference
Dev - Ref, Dynamic Range



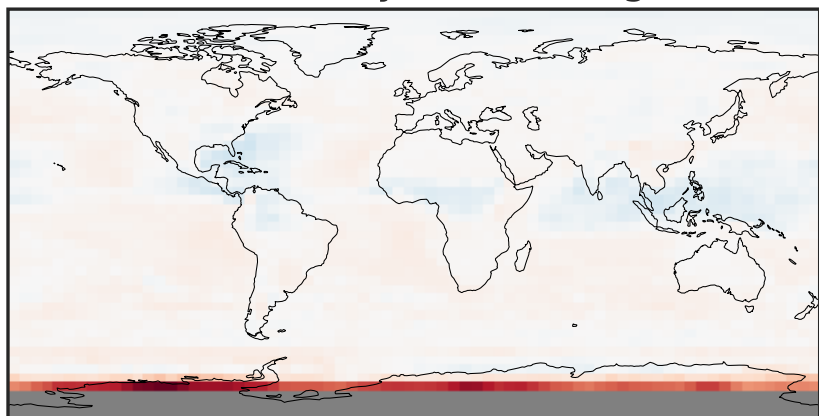
-0.0008 0.0000 0.0008
s-1

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



-0.0003 0.0000 0.0003
s-1

Ratio
Dev/Ref, Dynamic Range



0.7474 0.8737 1.0000 1.1690 1.3379
unitless

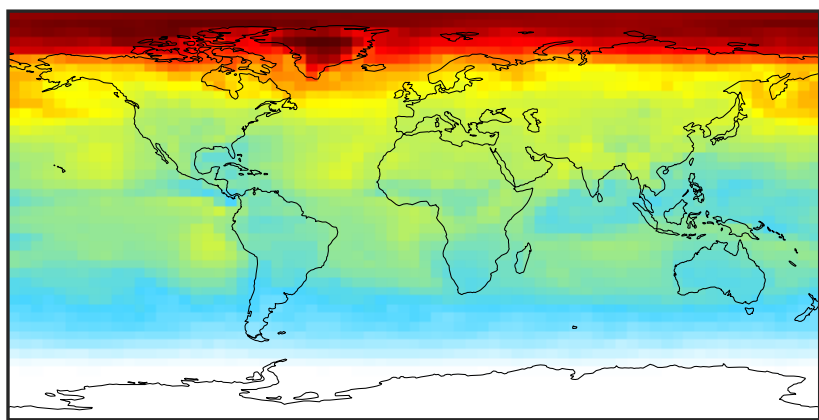
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

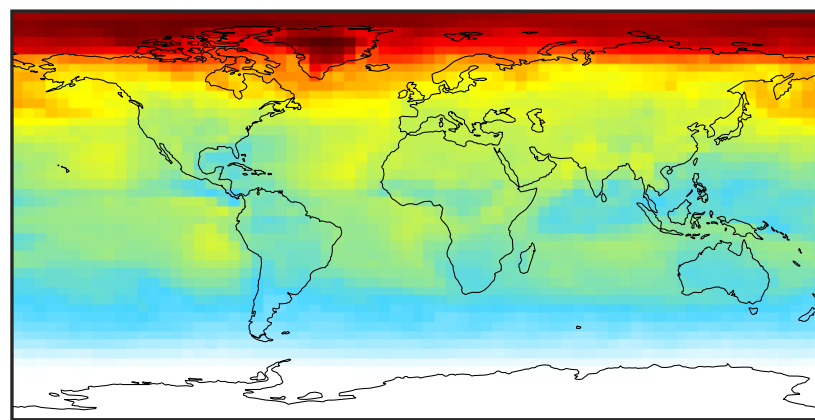
Jval_IBr (Jul2019)

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



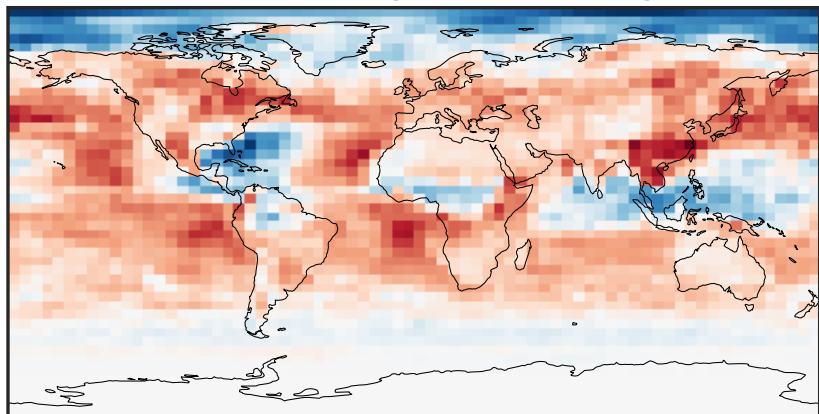
0.0000 0.0281 0.0563 0.0844 0.1126
s-1

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



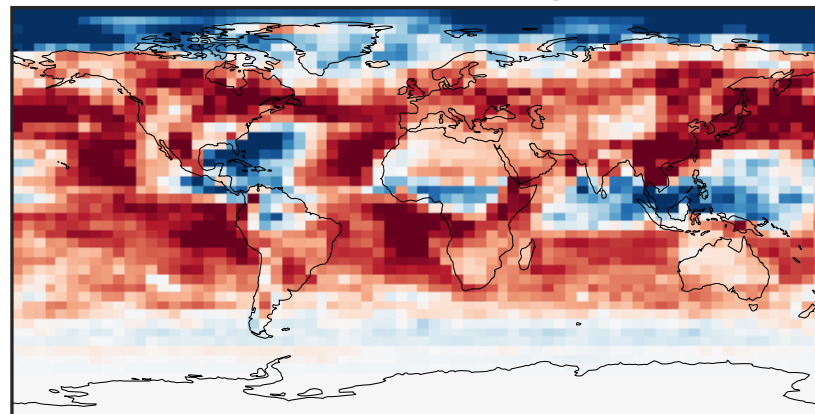
0.0000 0.0281 0.0563 0.0844 0.1126
s-1

Difference
Dev - Ref, Dynamic Range



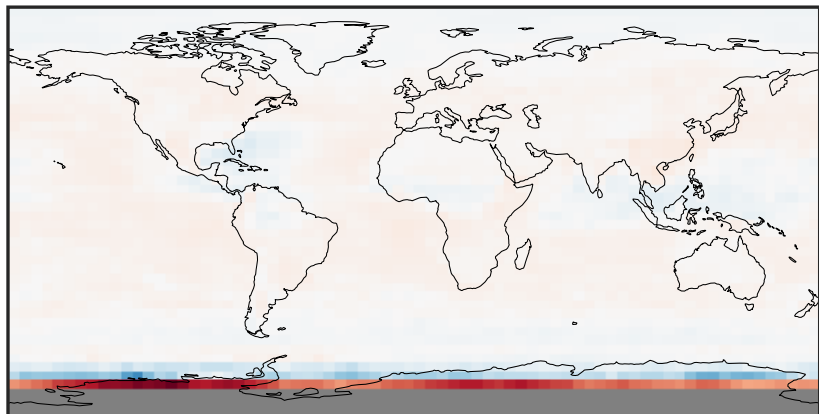
-0.0015 0.0000 0.0015
s-1

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



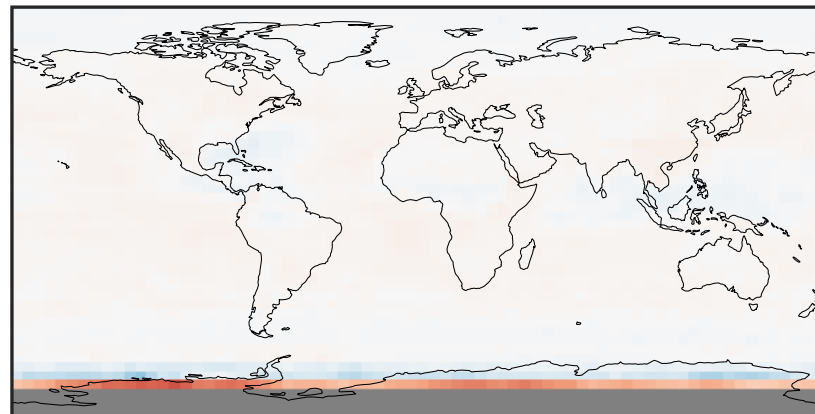
-0.0006 0.0000 0.0006
s-1

Ratio
Dev/Ref, Dynamic Range



0.6444 0.8222 1.0000 1.2759 1.5518
unitless

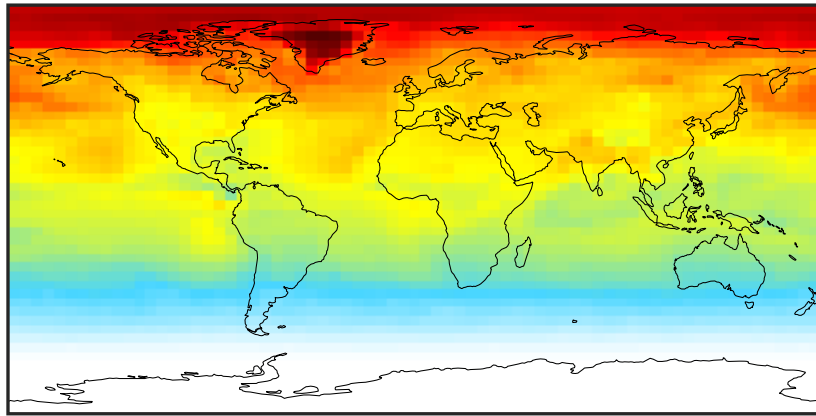
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

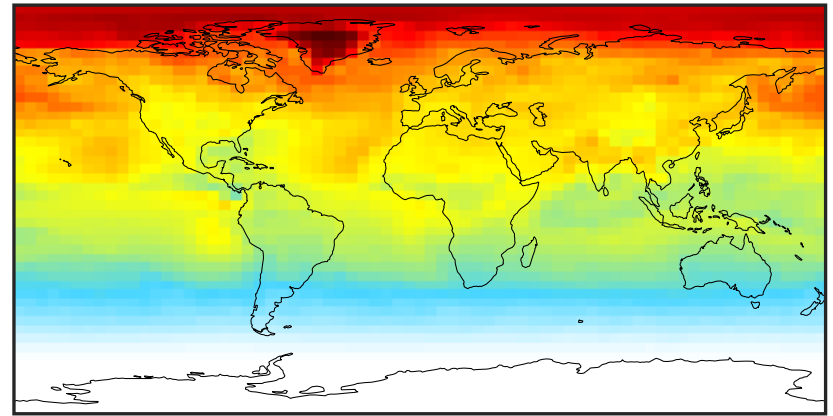
Jval_ICN (Jul2019)

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



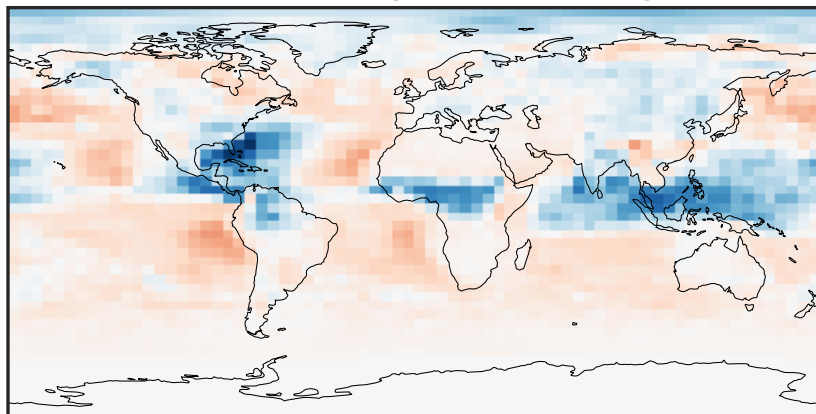
0.0000 0.0001 0.0002 0.0003
s-1

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



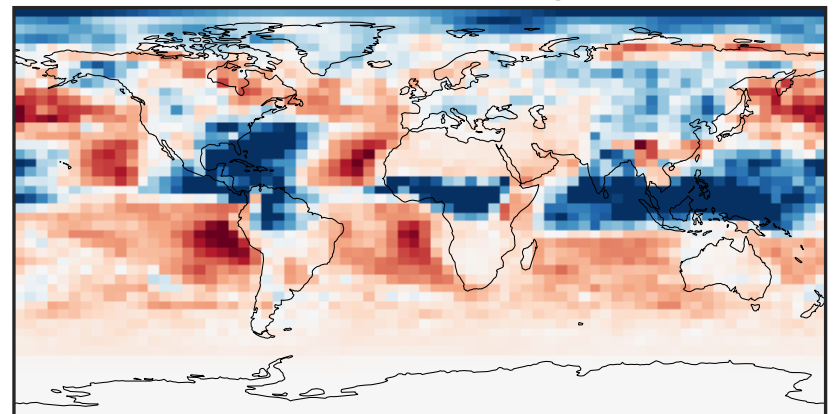
0.0000 0.0001 0.0002 0.0003
s-1

Difference
Dev - Ref, Dynamic Range



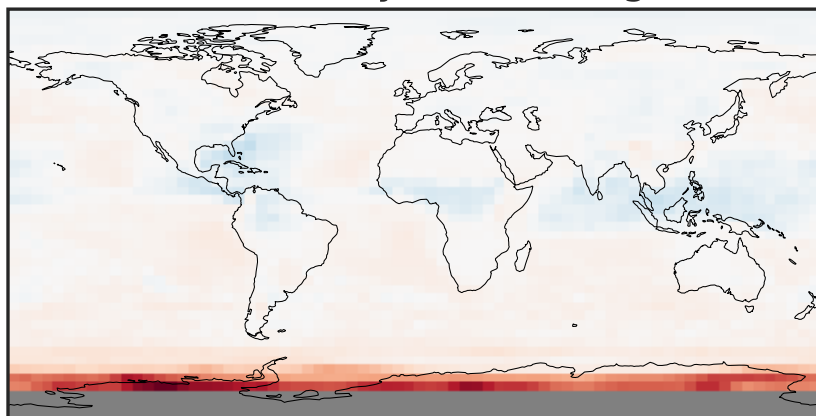
-5 0 5
s-1 1e-6

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



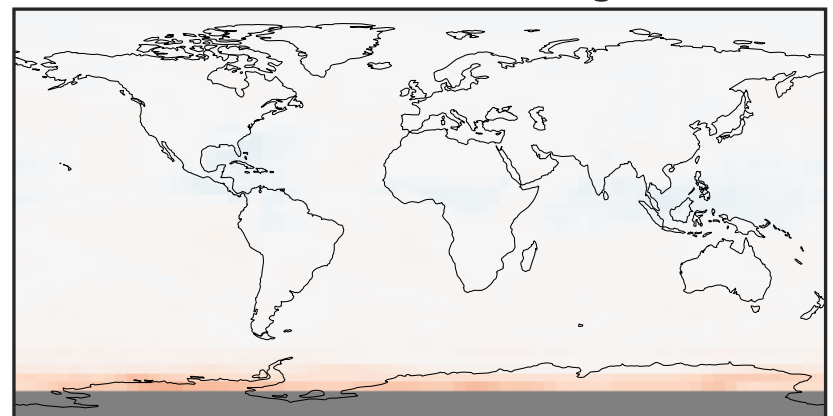
-2 0 2
s-1 1e-6

Ratio
Dev/Ref, Dynamic Range



0.7795 0.8898 1.0000 1.1414 1.2828
unitless

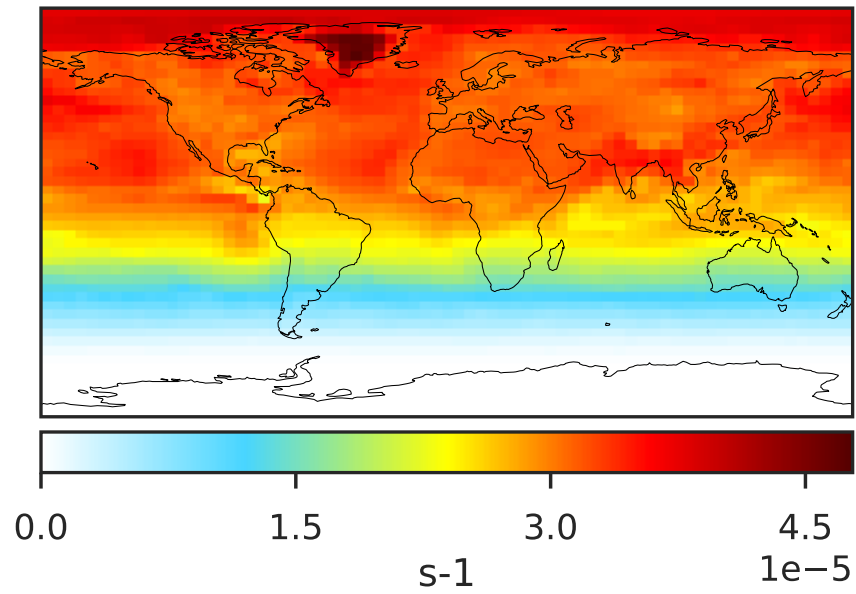
Ratio
Dev/Ref, Fixed Range



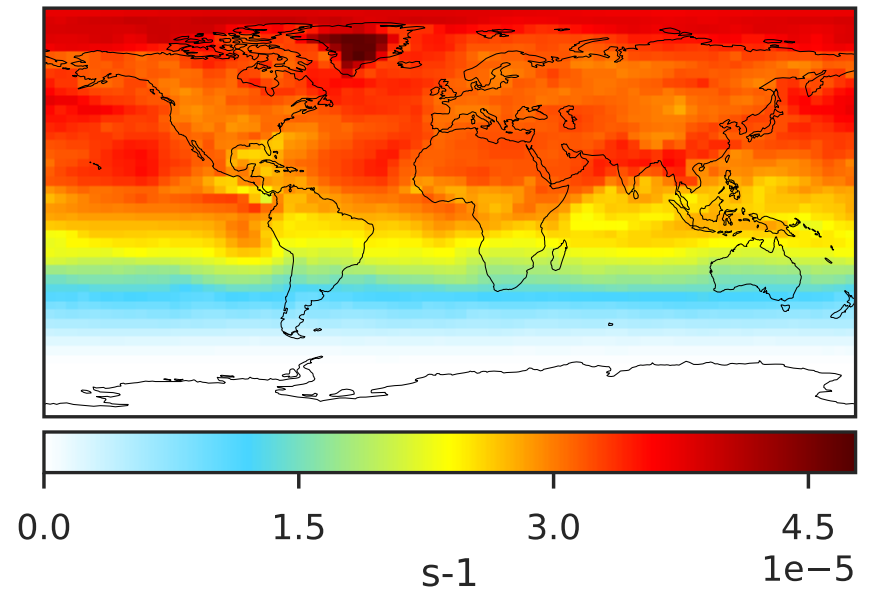
0.50 0.75 1.00 1.50 2.00
unitless

Jval_ICPDH (Jul2019)

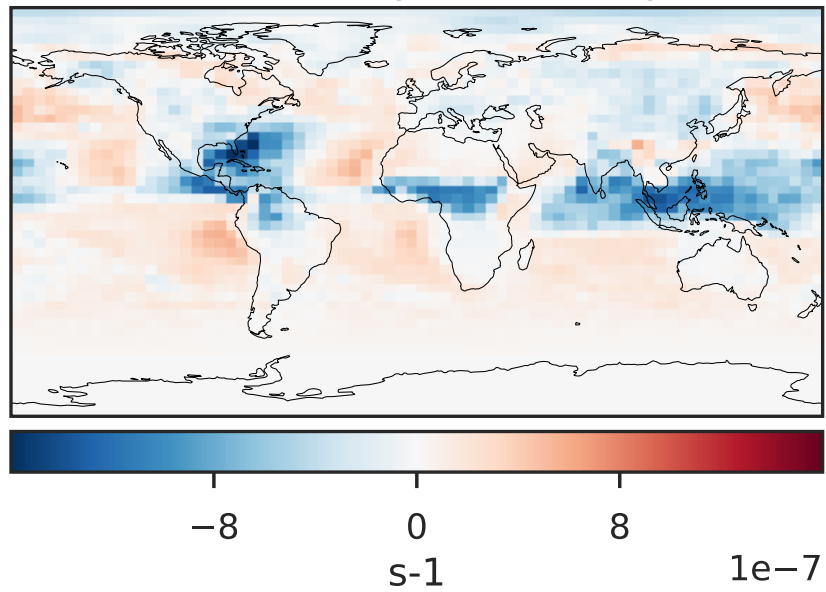
14.2.0-rc.2 (Ref)
4.0x5.0



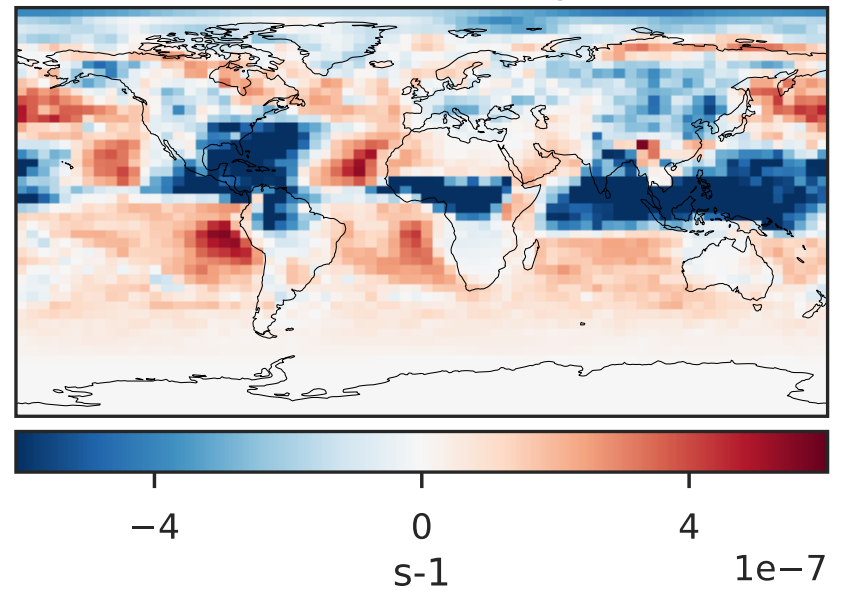
14.3.0-rc.0 (Dev)
4.0x5.0



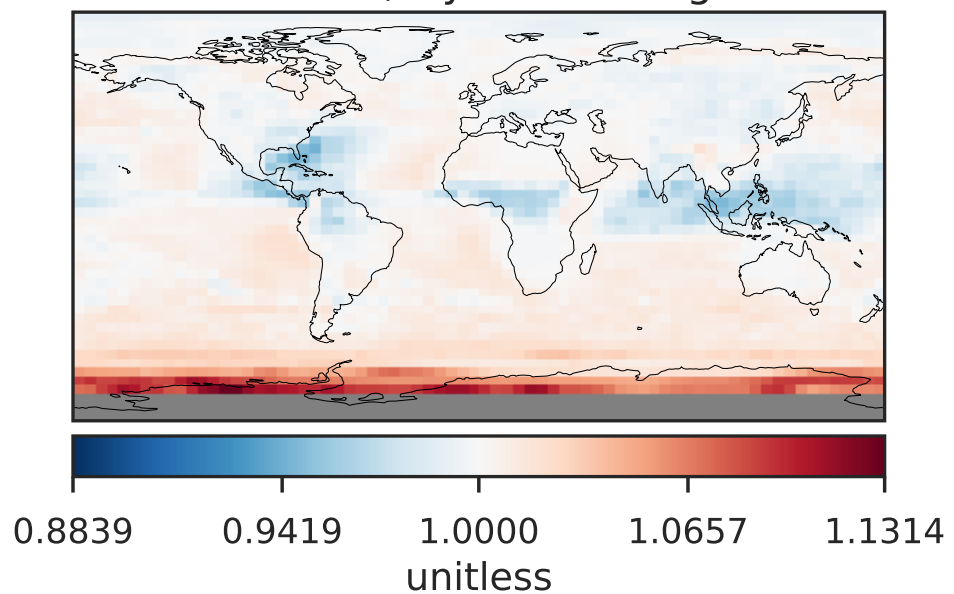
Difference
Dev - Ref, Dynamic Range



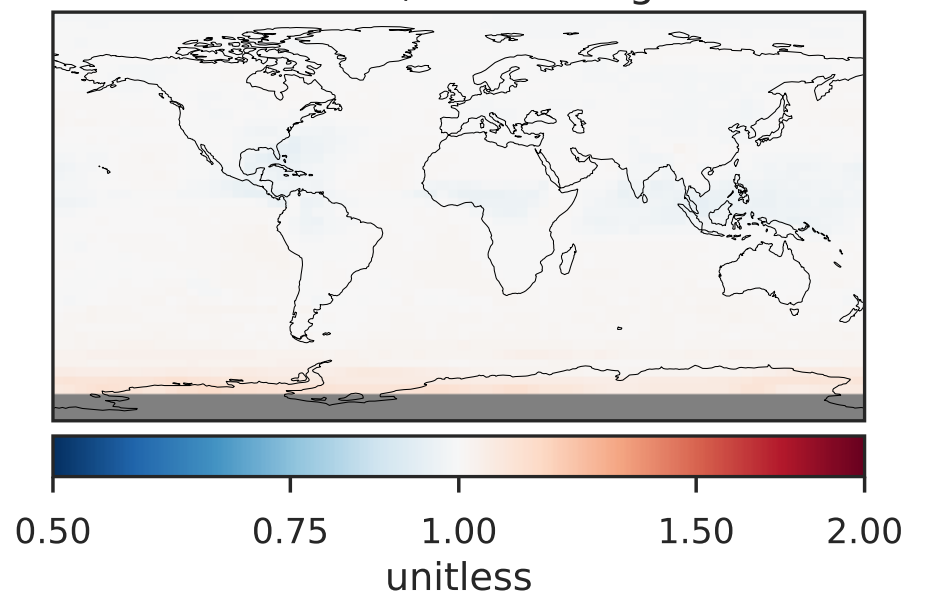
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

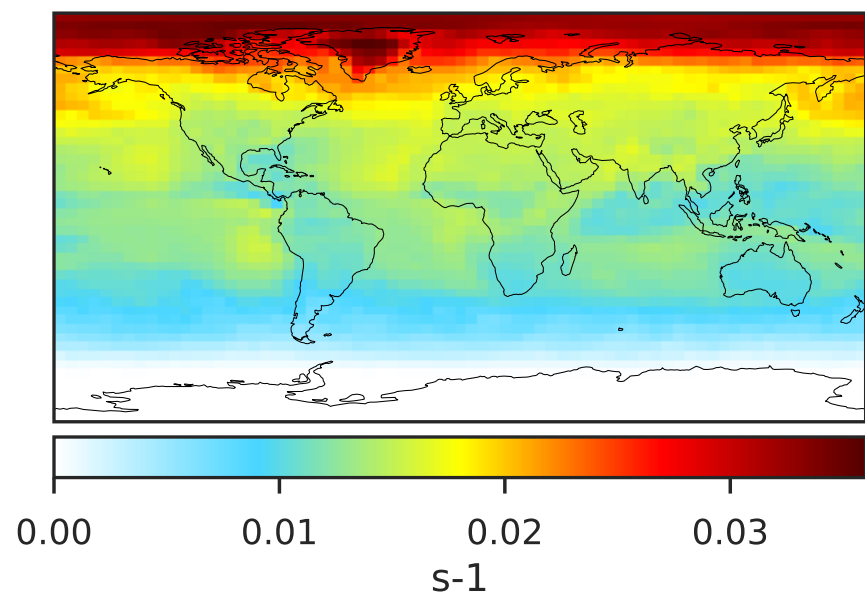


Ratio
Dev/Ref, Fixed Range

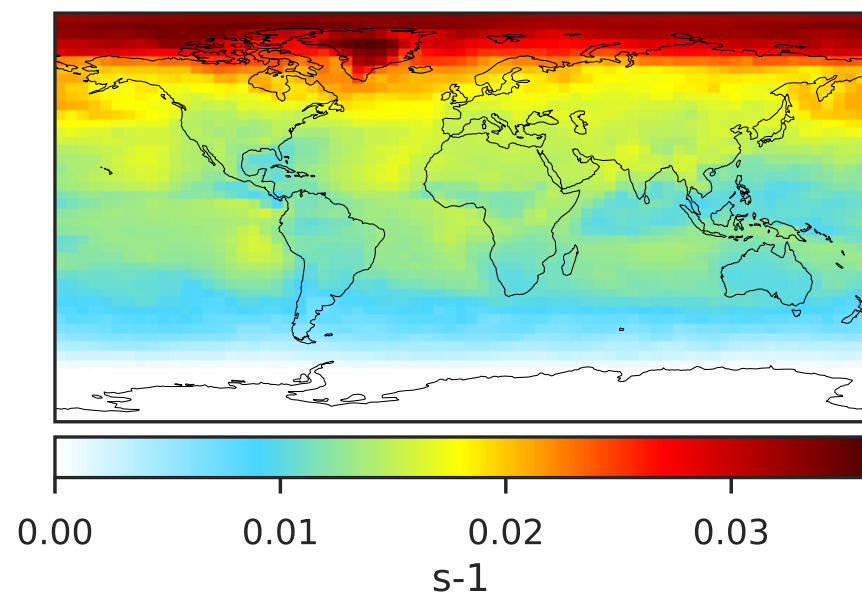


Jval_ICI (Jul2019)

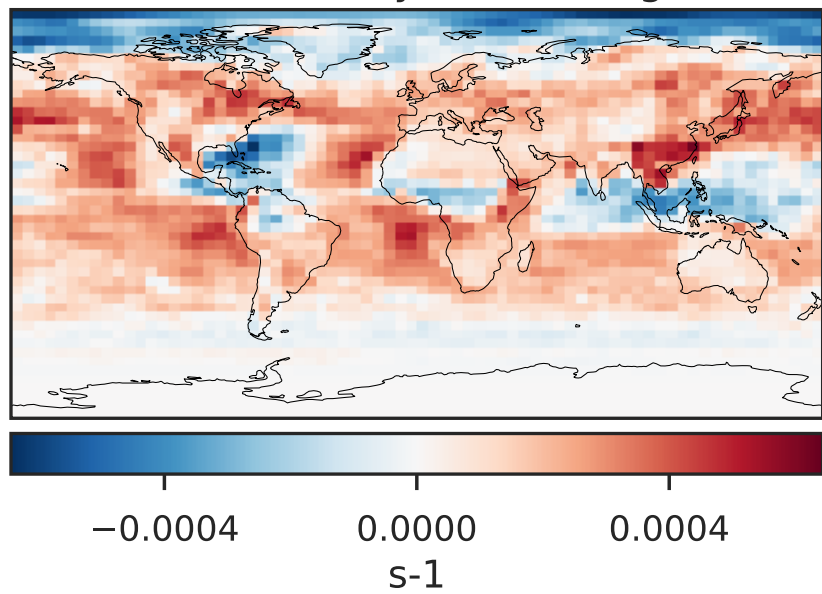
14.2.0-rc.2 (Ref)
4.0x5.0



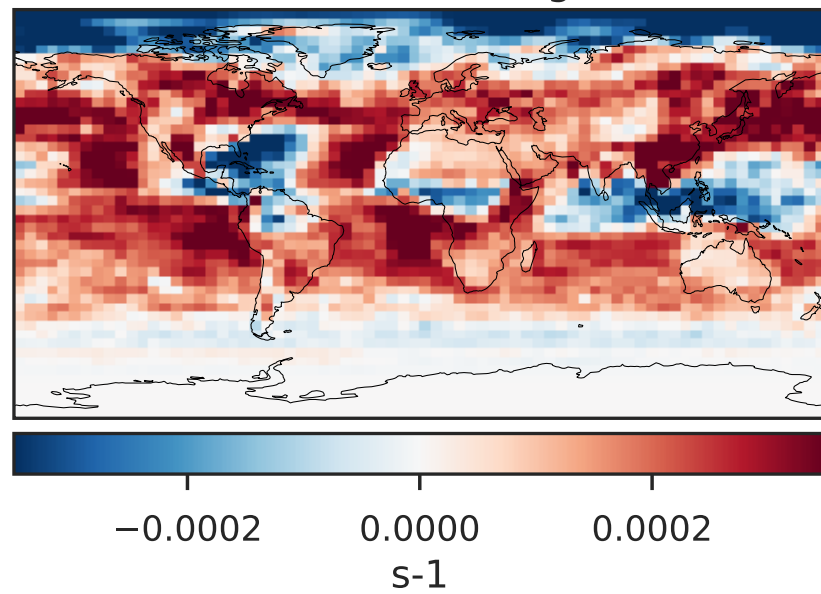
14.3.0-rc.0 (Dev)
4.0x5.0



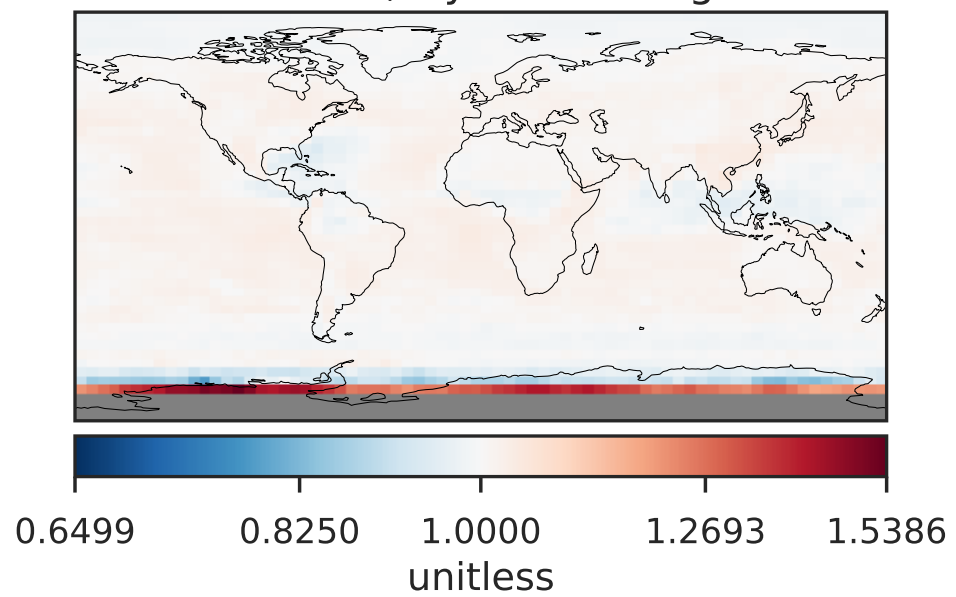
Difference
Dev - Ref, Dynamic Range



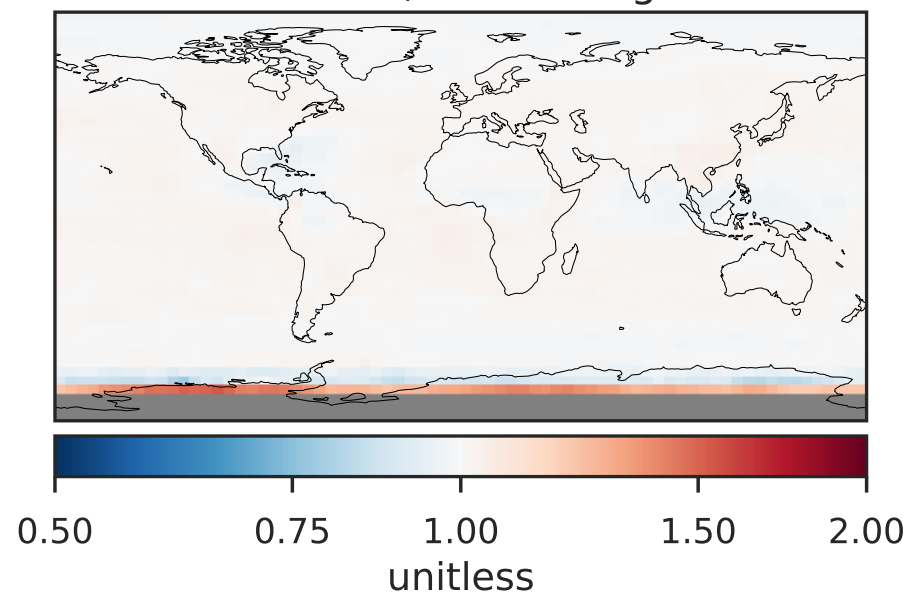
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

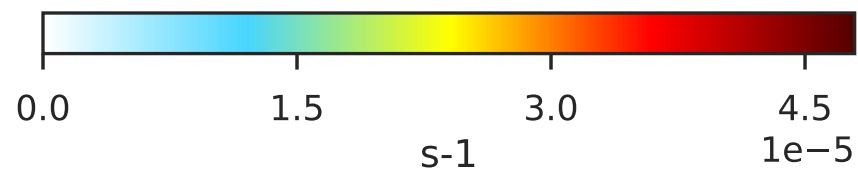
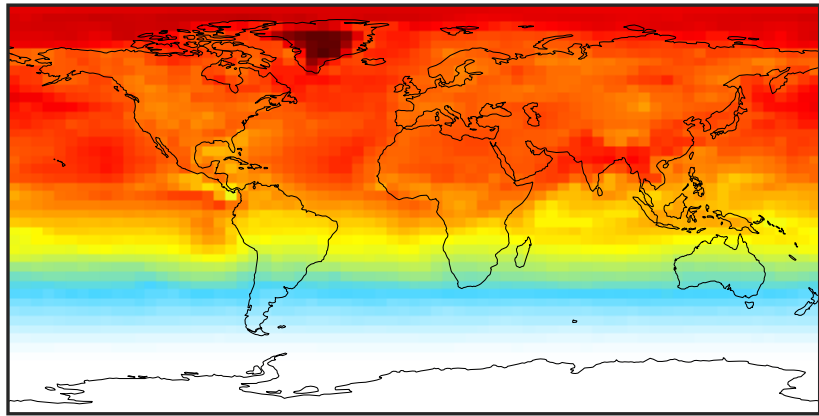


Ratio
Dev/Ref, Fixed Range

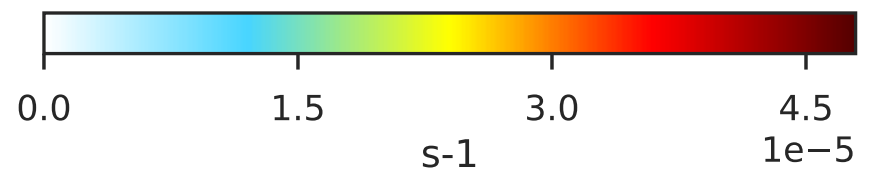
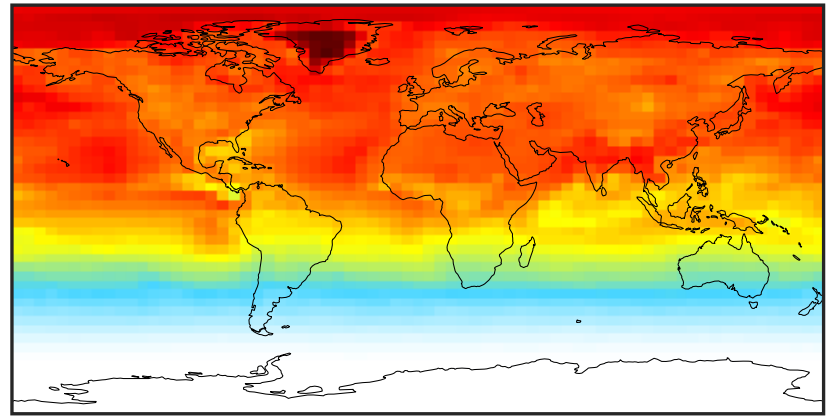


Jval_IDCHP (Jul2019)

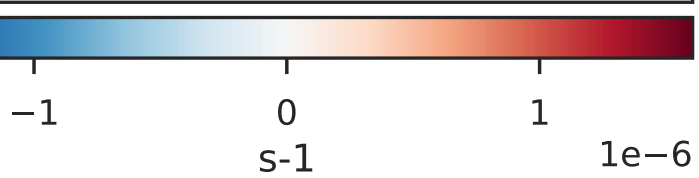
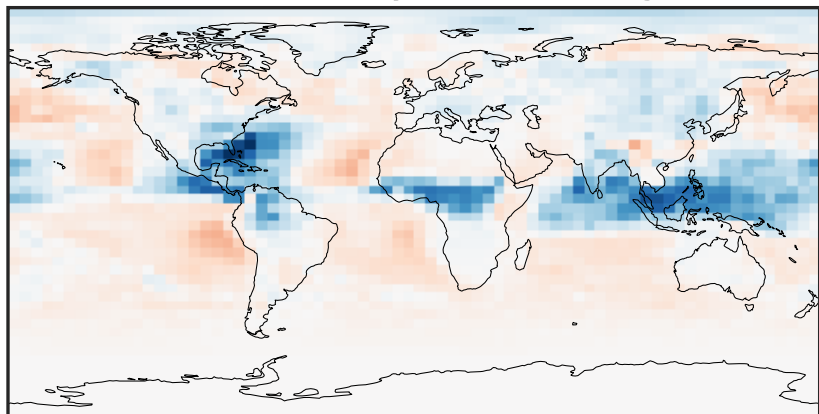
14.2.0-rc.2 (Ref)
4.0x5.0



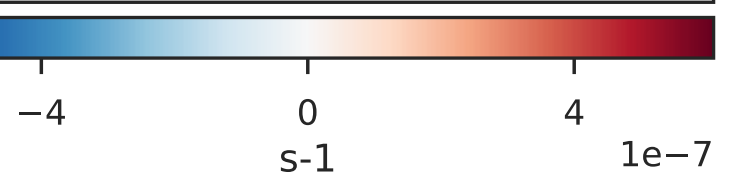
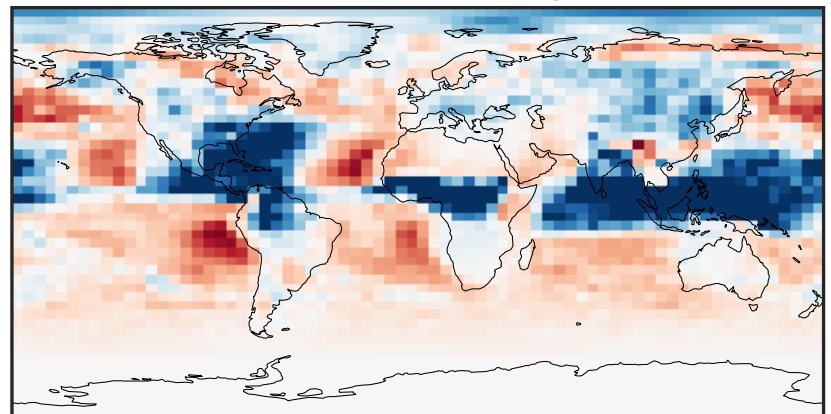
14.3.0-rc.0 (Dev)
4.0x5.0



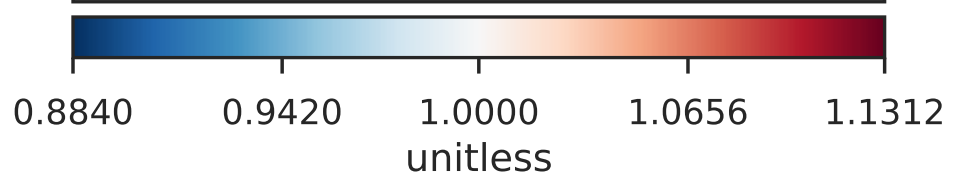
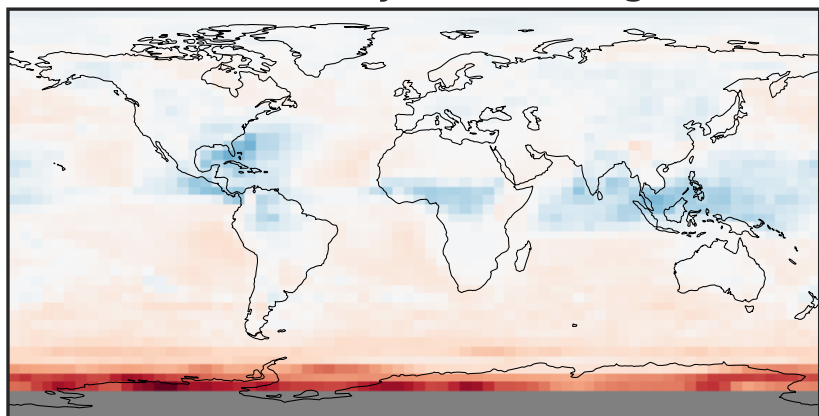
Difference
Dev - Ref, Dynamic Range



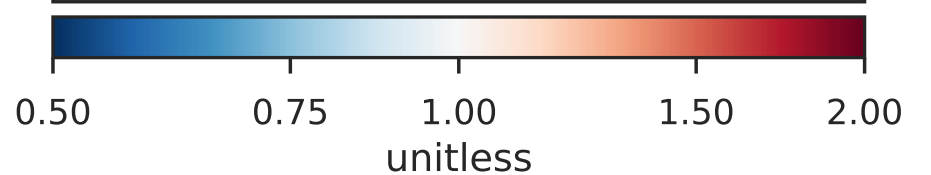
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

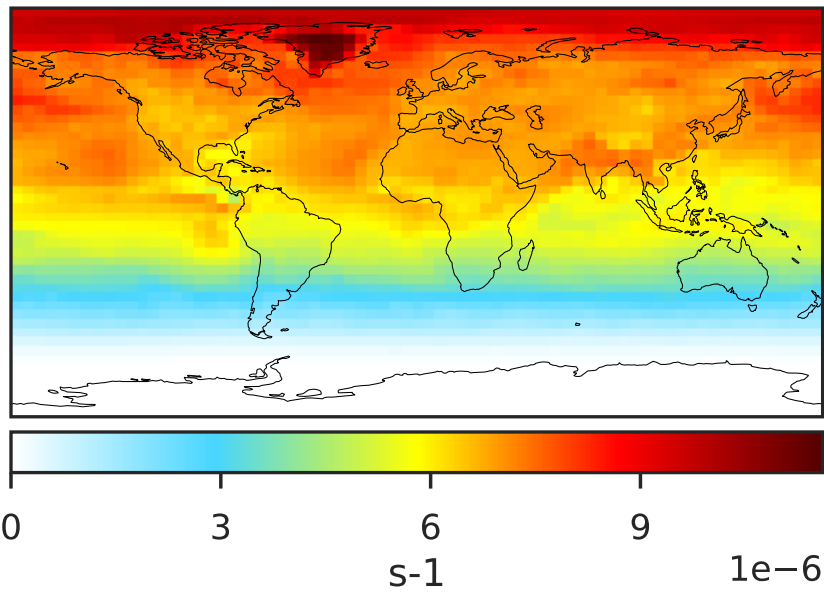


Ratio
Dev/Ref, Fixed Range

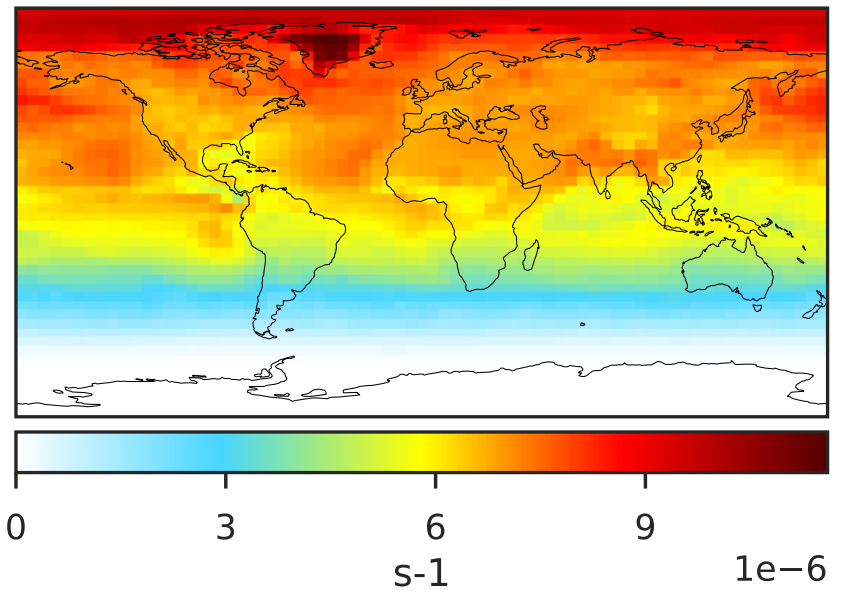


Jval_IDHDP (Jul2019)

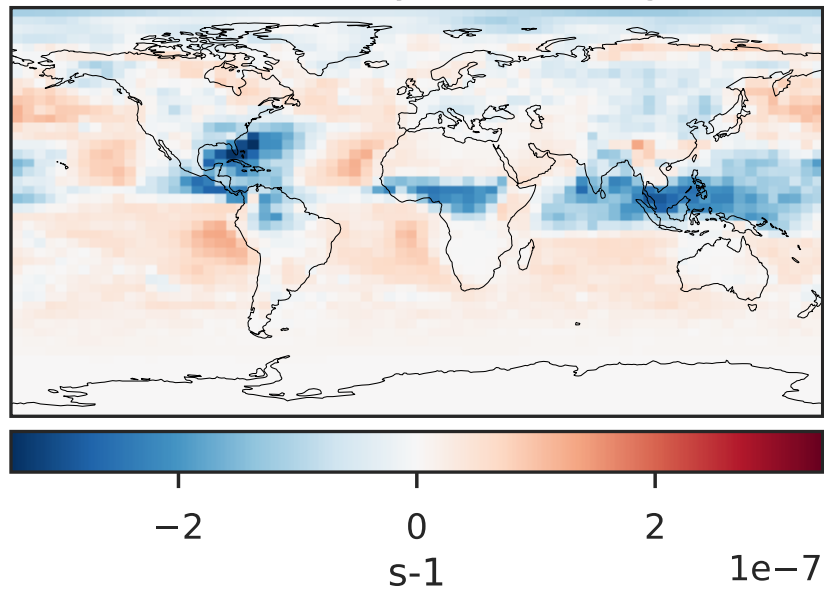
14.2.0-rc.2 (Ref)
4.0x5.0



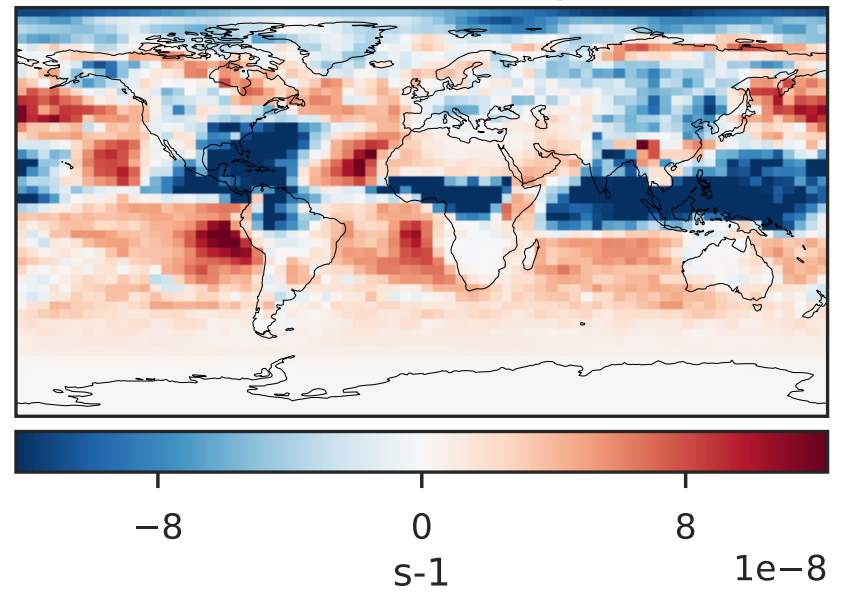
14.3.0-rc.0 (Dev)
4.0x5.0



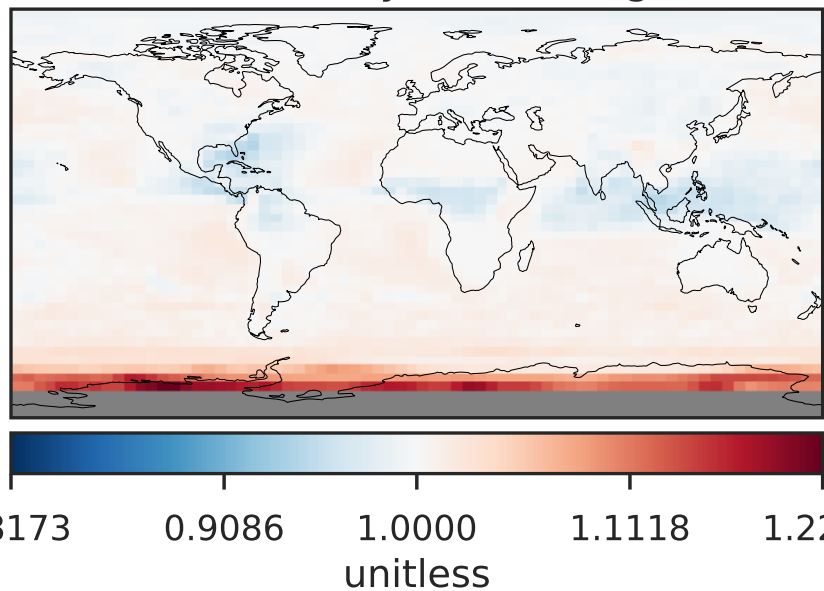
Difference
Dev - Ref, Dynamic Range



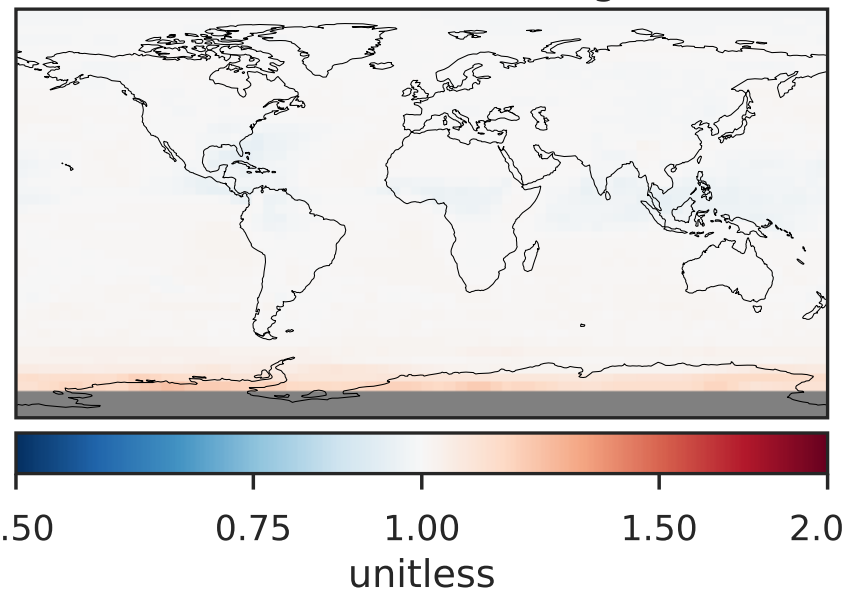
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

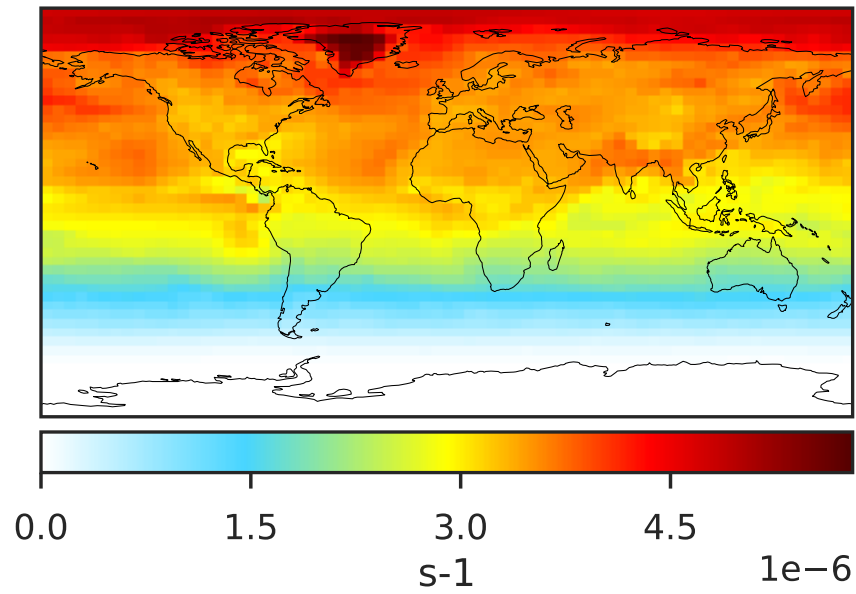


Ratio
Dev/Ref, Fixed Range

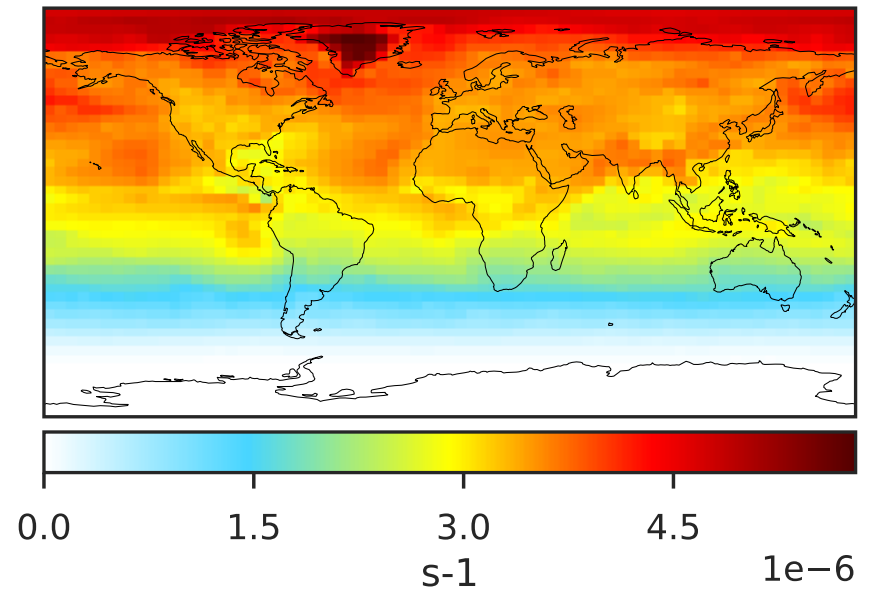


Jval_IDHPE (Jul2019)

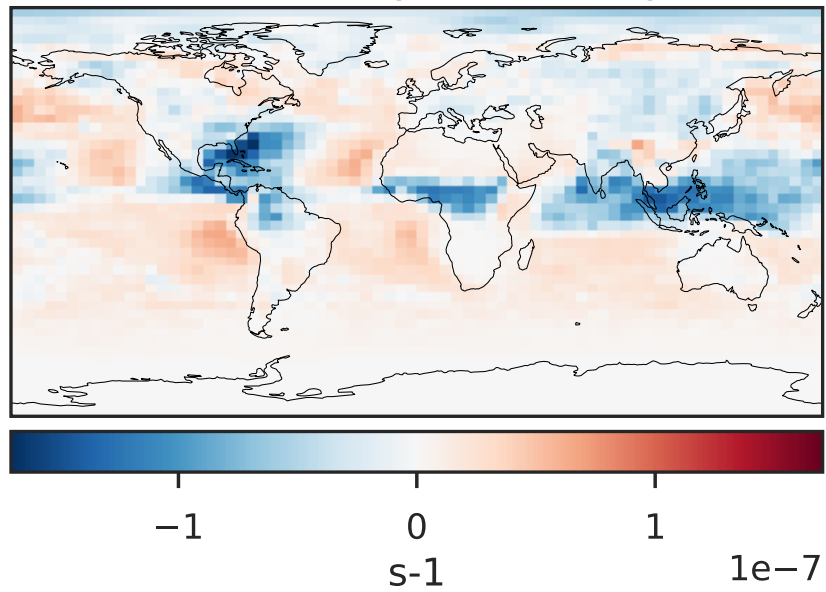
14.2.0-rc.2 (Ref)
4.0x5.0



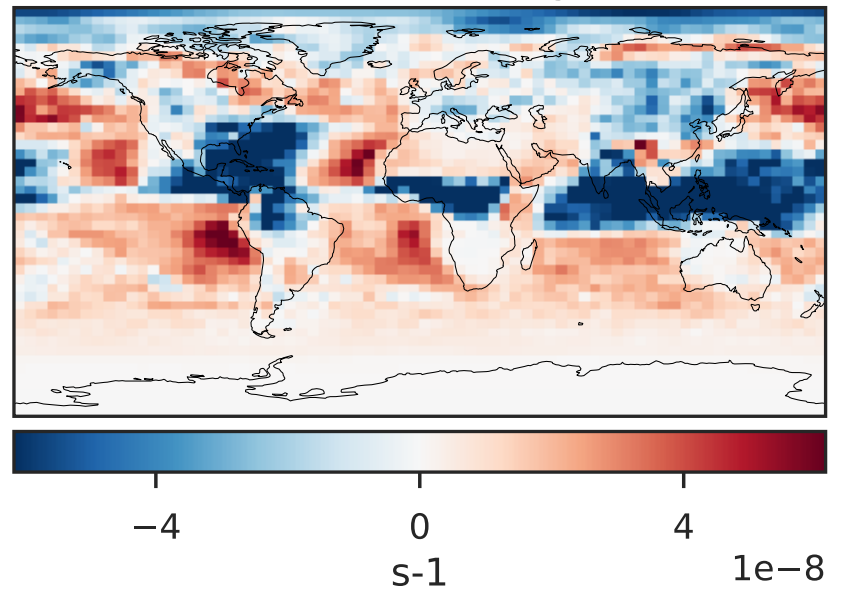
14.3.0-rc.0 (Dev)
4.0x5.0



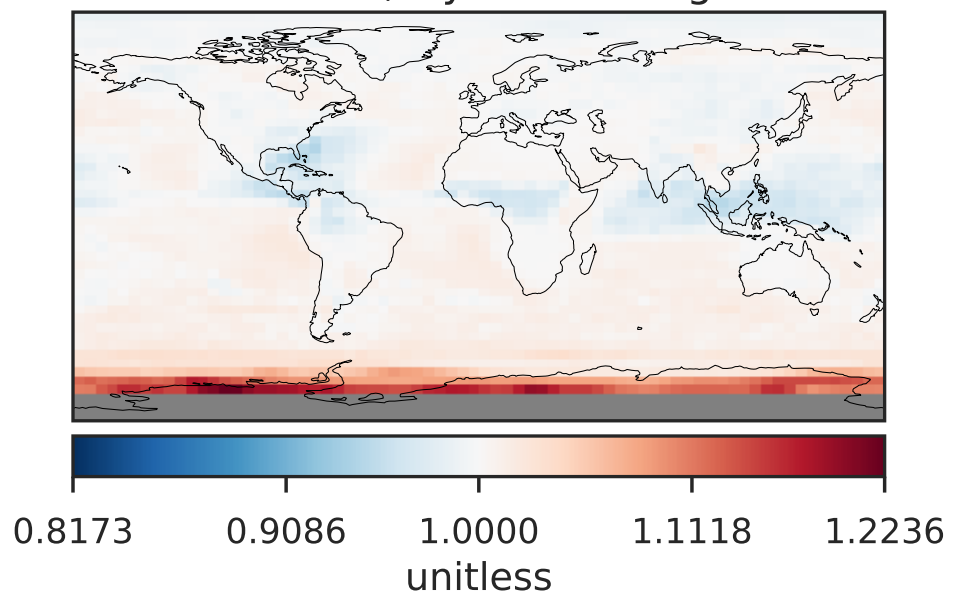
Difference
Dev - Ref, Dynamic Range



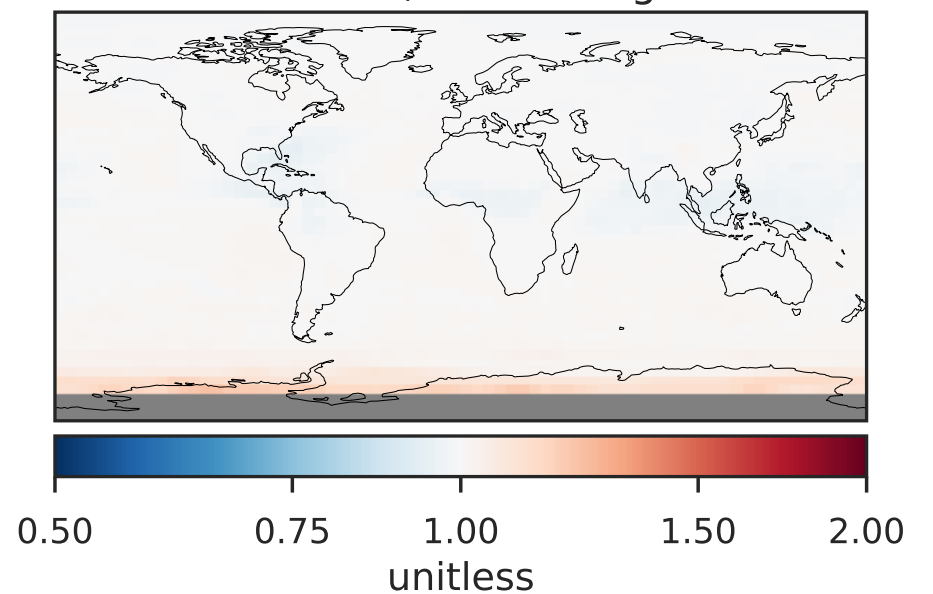
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

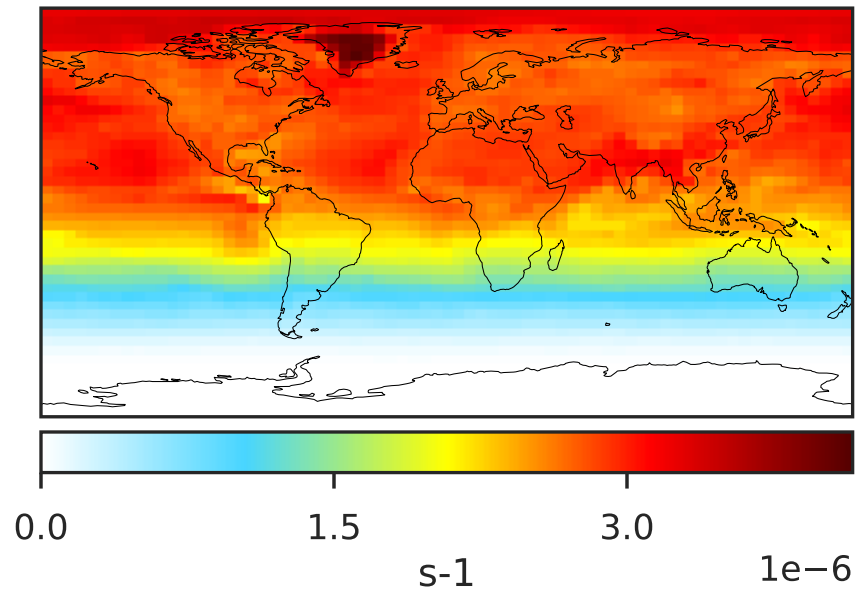


Ratio
Dev/Ref, Fixed Range

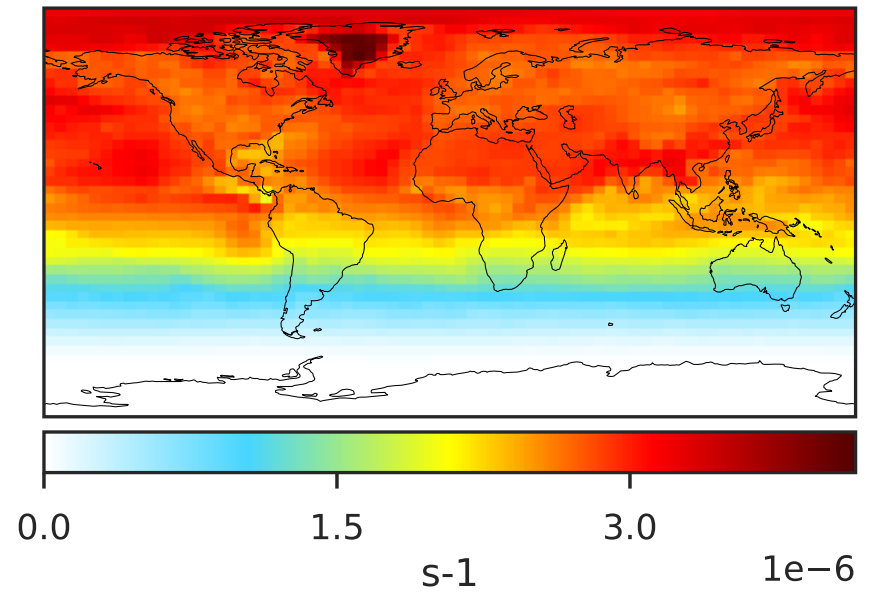


Jval_IDN (Jul2019)

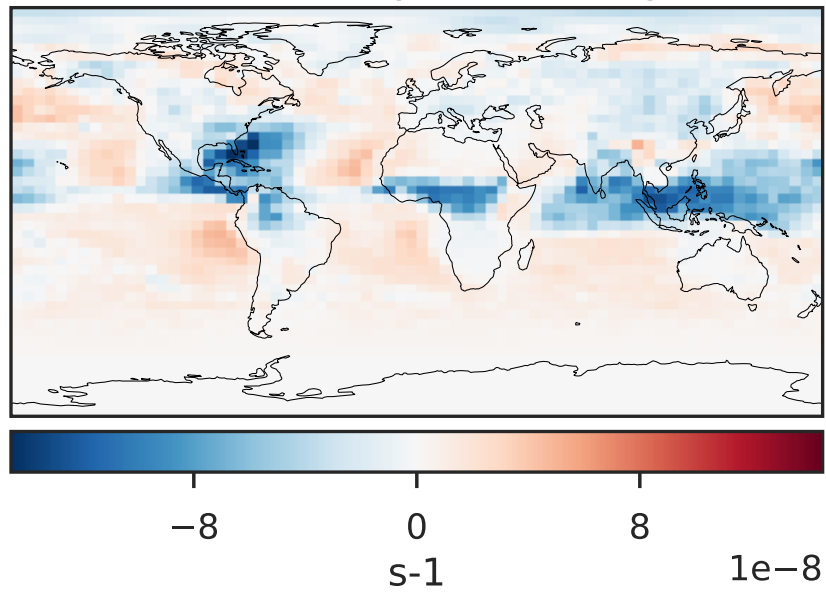
14.2.0-rc.2 (Ref)
4.0x5.0



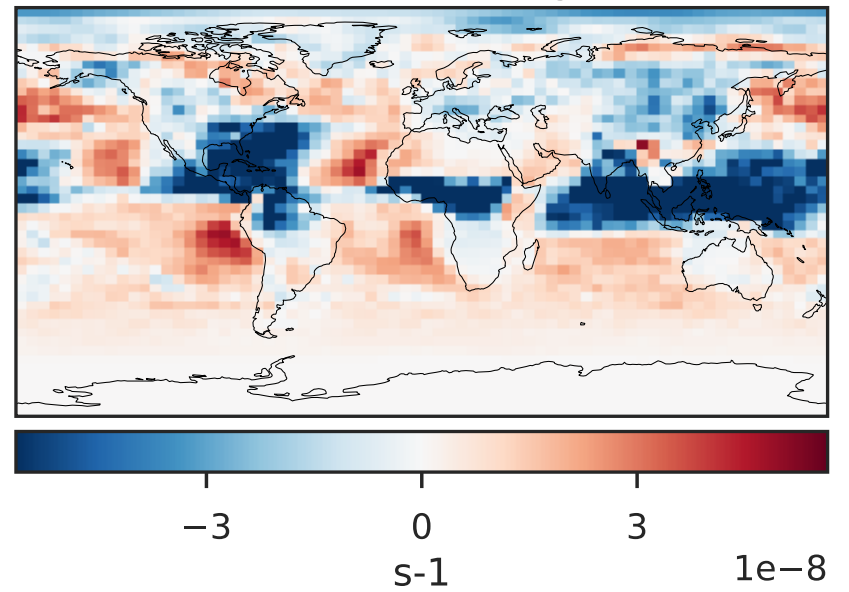
14.3.0-rc.0 (Dev)
4.0x5.0



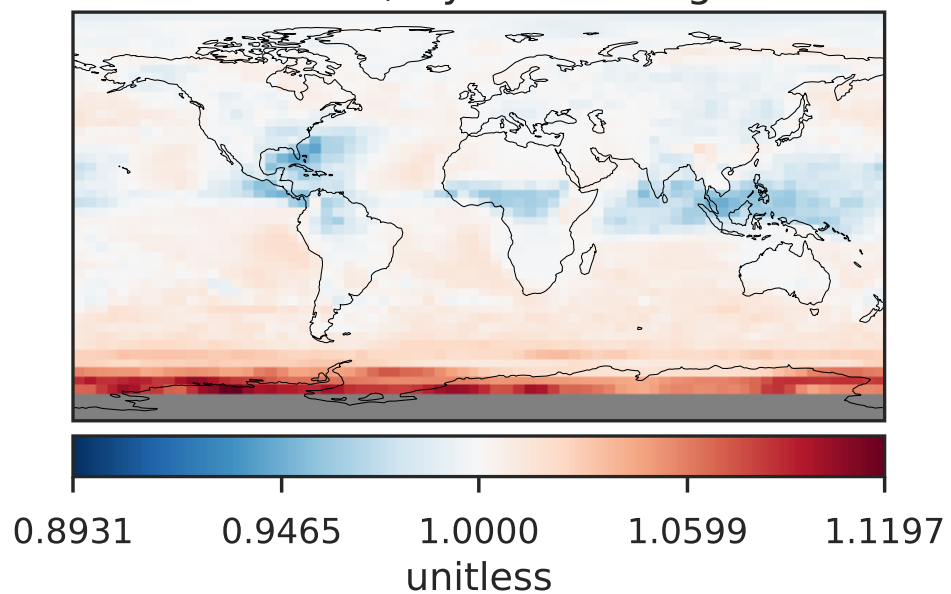
Difference
Dev - Ref, Dynamic Range



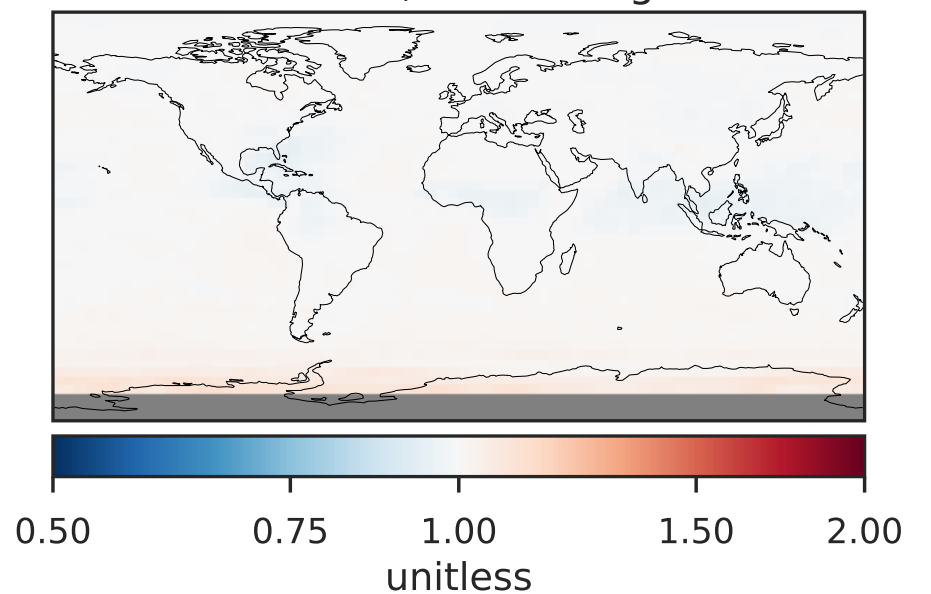
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

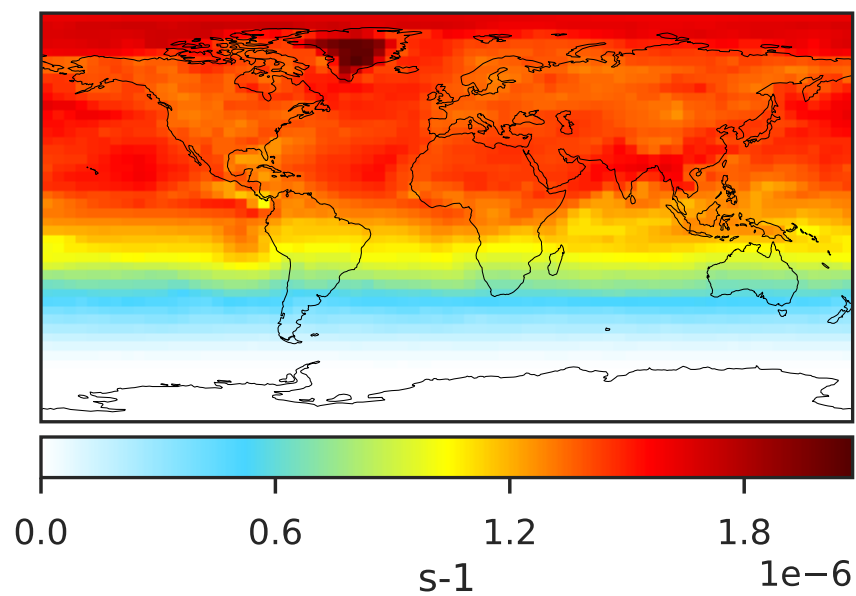


Ratio
Dev/Ref, Fixed Range

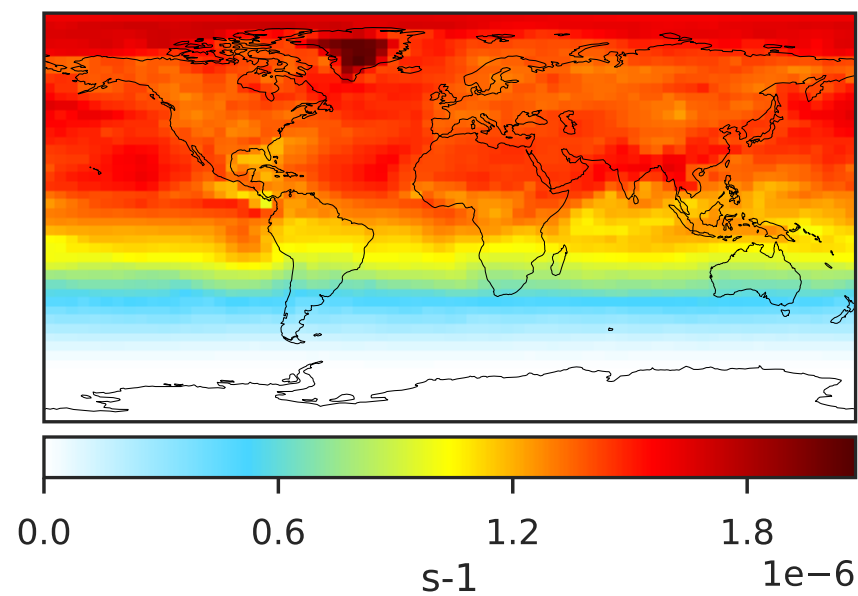


Jval_IHN1 (Jul2019)

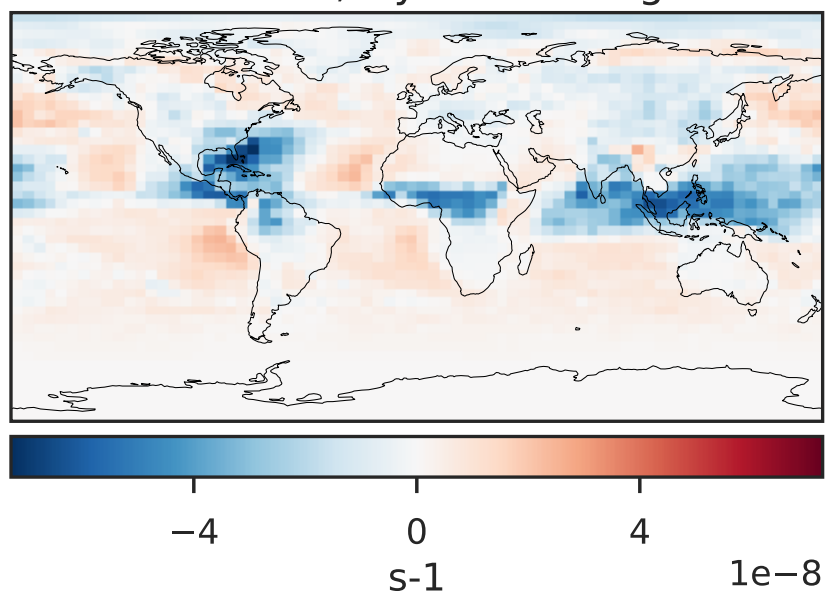
14.2.0-rc.2 (Ref)
4.0x5.0



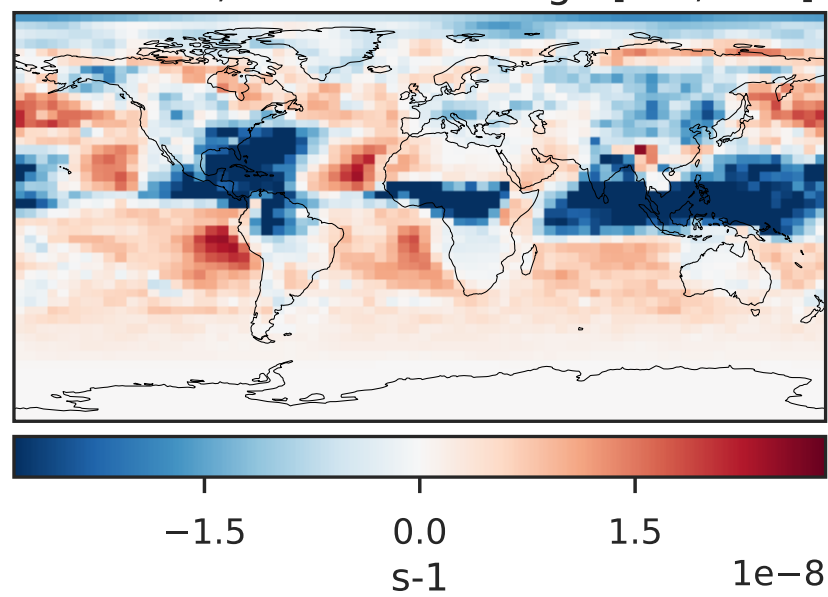
14.3.0-rc.0 (Dev)
4.0x5.0



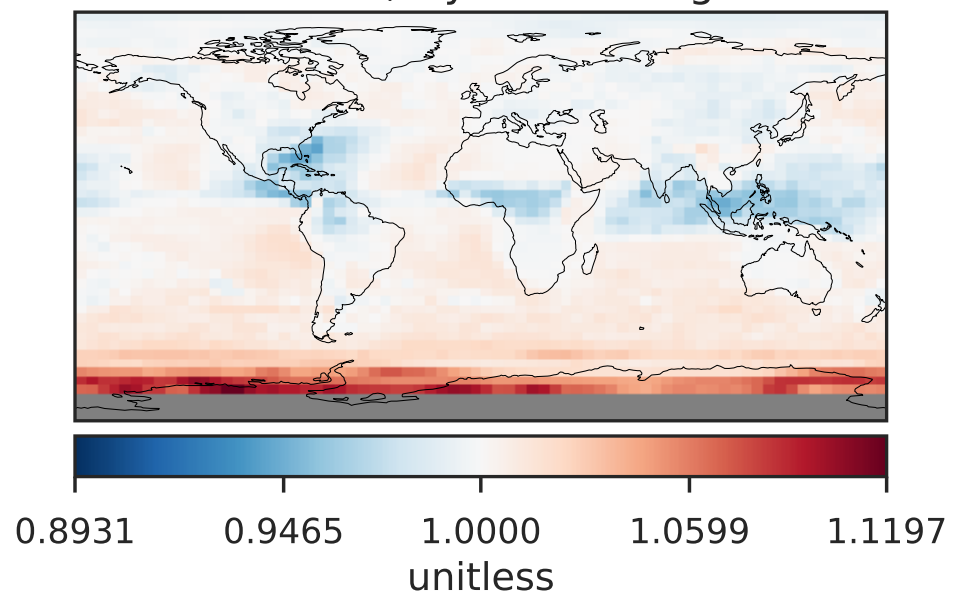
Difference
Dev - Ref, Dynamic Range



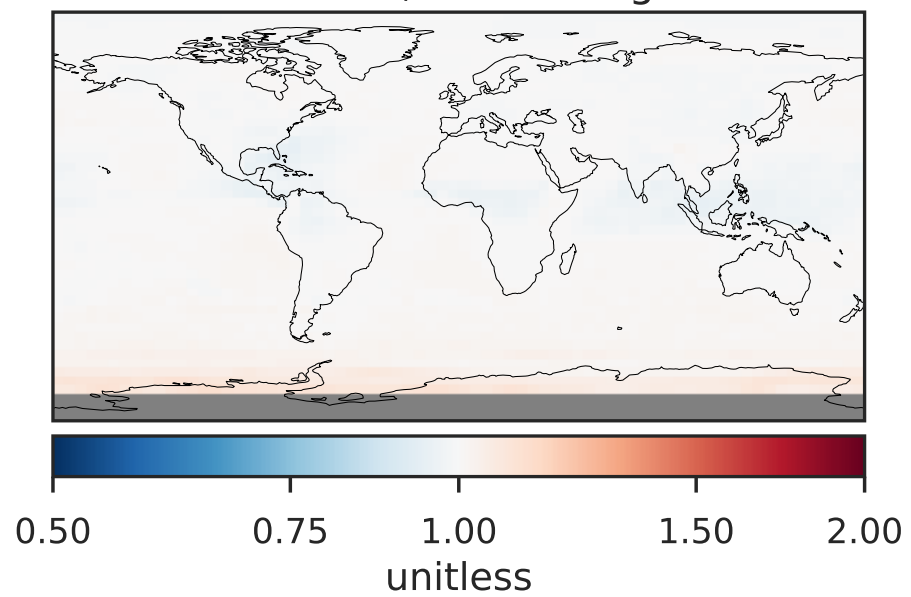
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

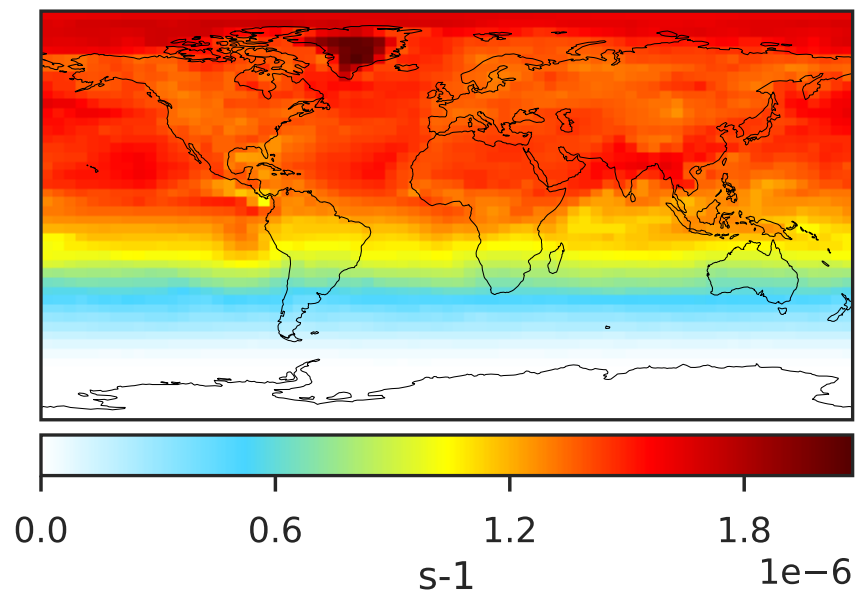


Ratio
Dev/Ref, Fixed Range

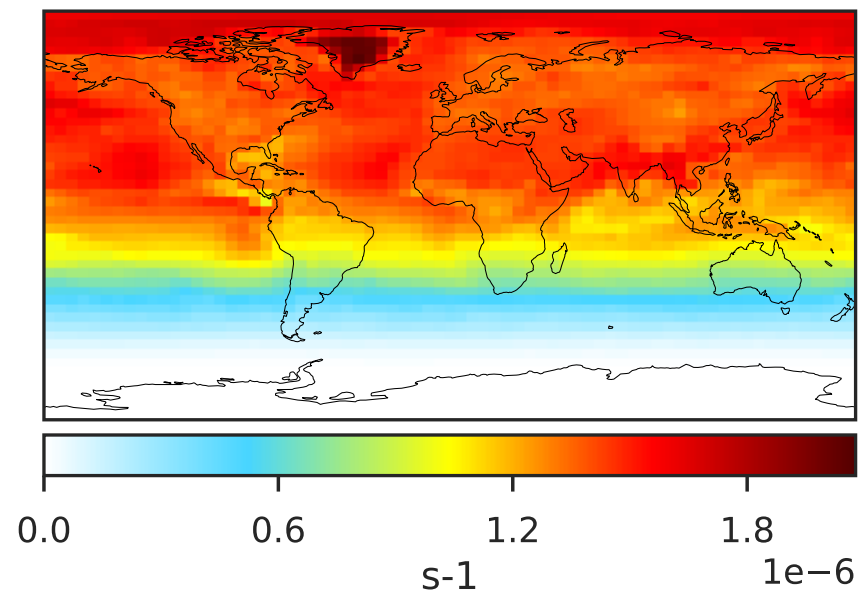


Jval_IHN2 (Jul2019)

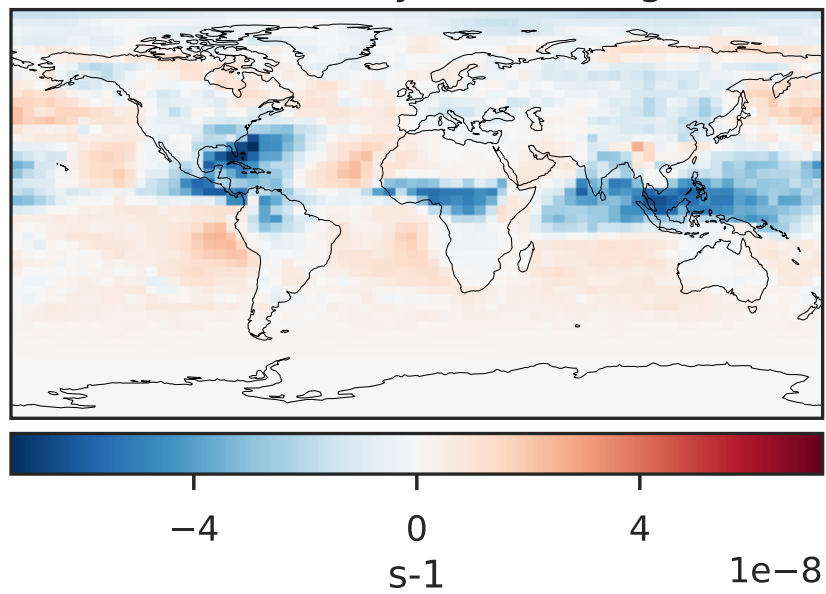
14.2.0-rc.2 (Ref)
4.0x5.0



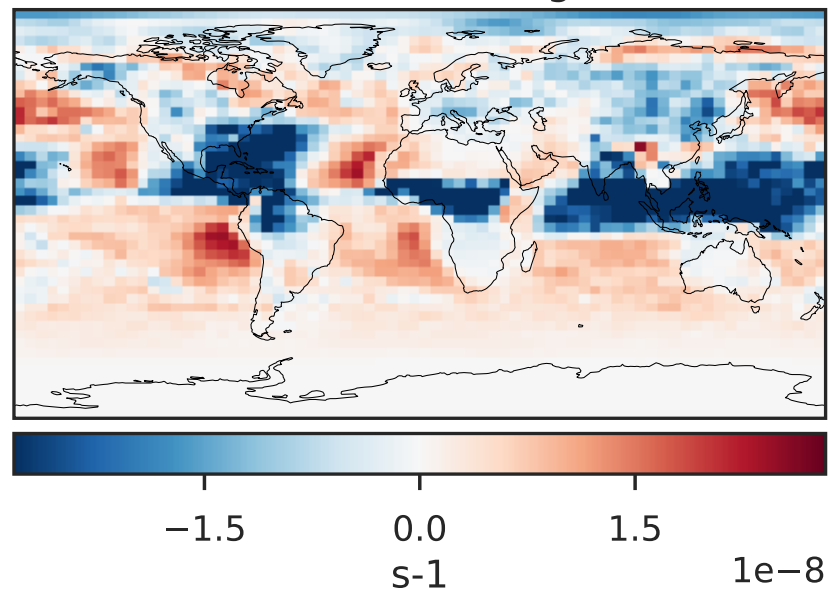
14.3.0-rc.0 (Dev)
4.0x5.0



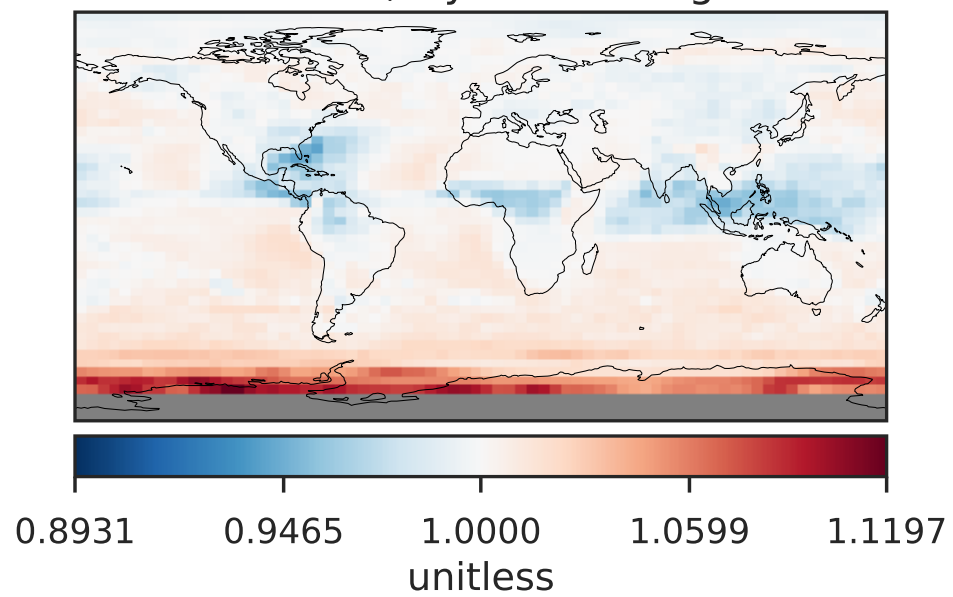
Difference
Dev - Ref, Dynamic Range



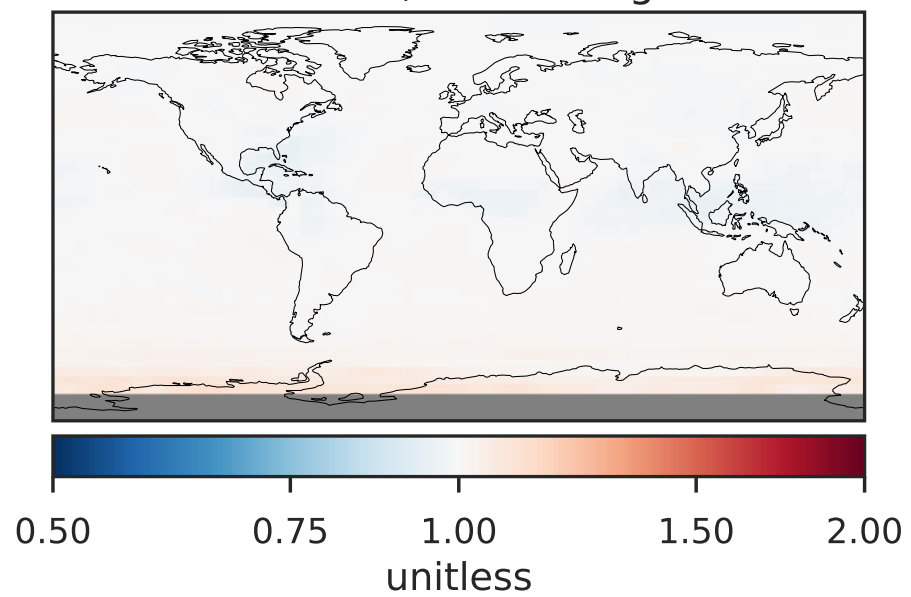
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

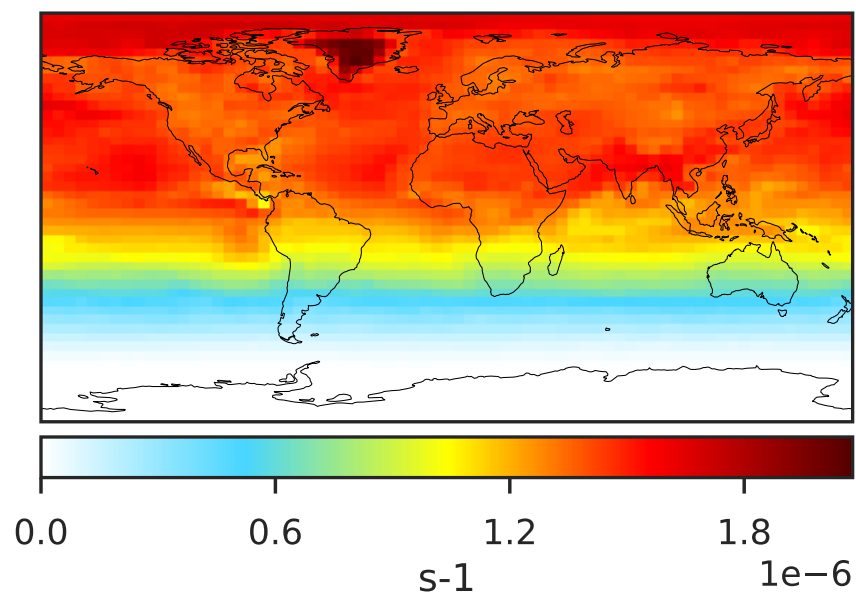


Ratio
Dev/Ref, Fixed Range

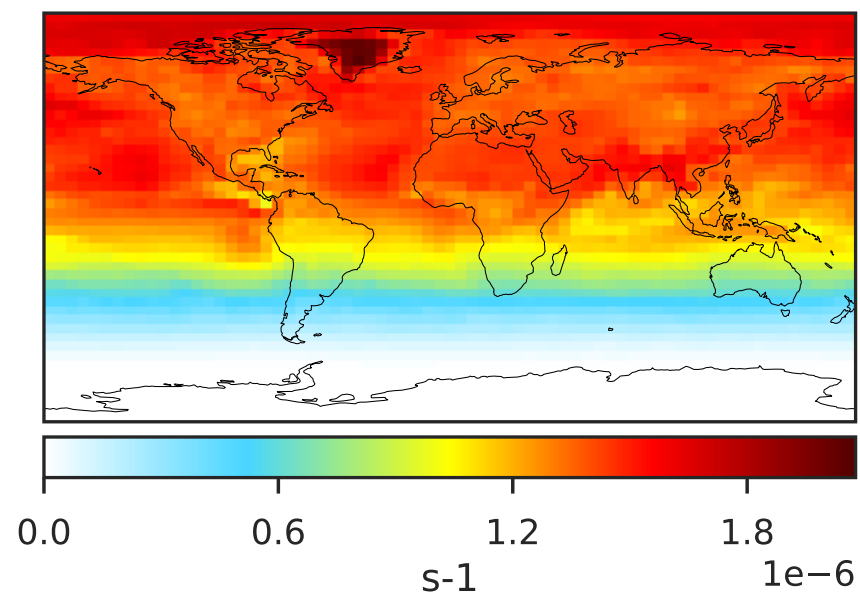


Jval_IHN3 (Jul2019)

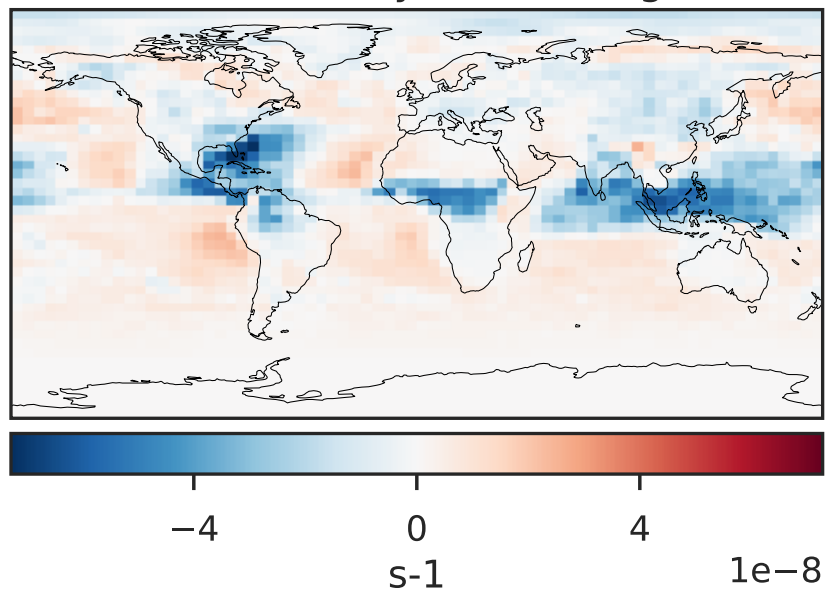
14.2.0-rc.2 (Ref)
4.0x5.0



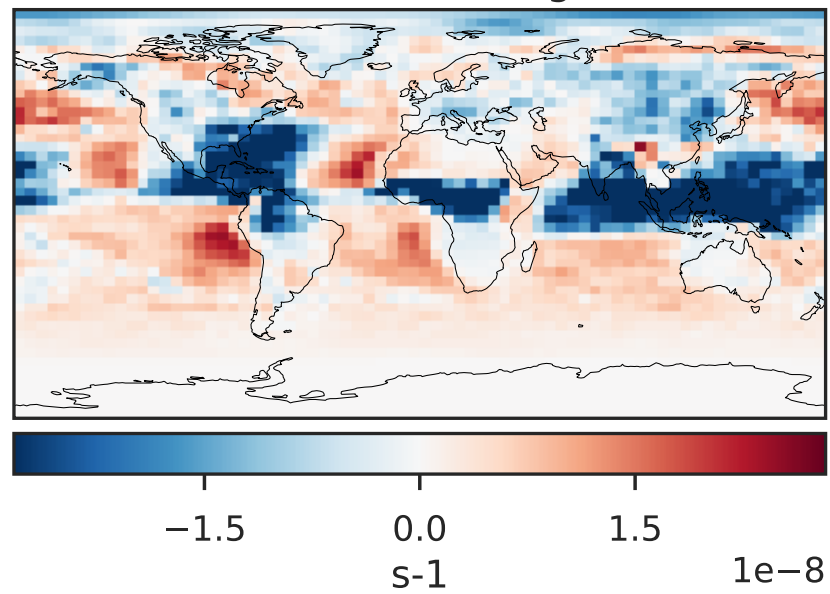
14.3.0-rc.0 (Dev)
4.0x5.0



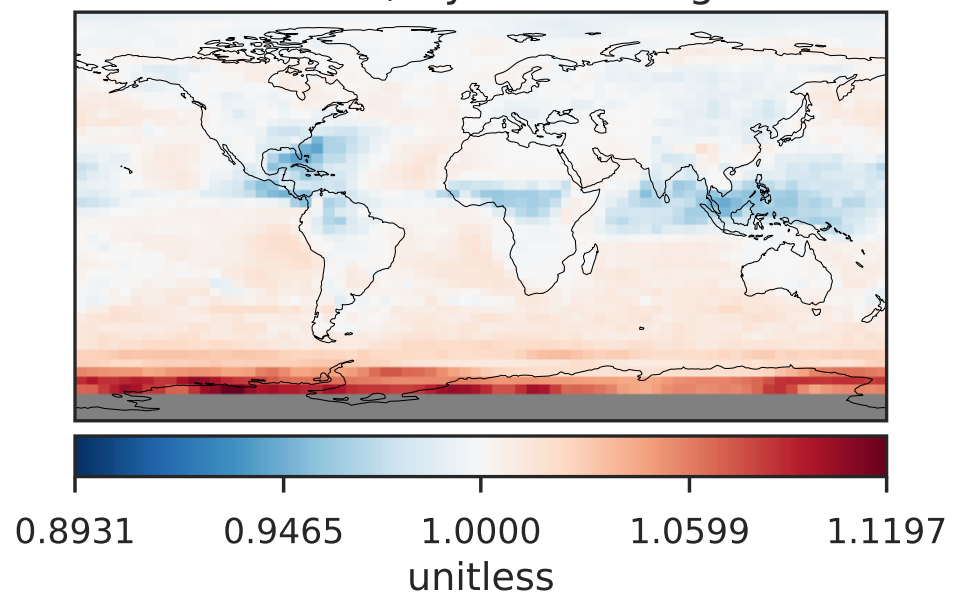
Difference
Dev - Ref, Dynamic Range



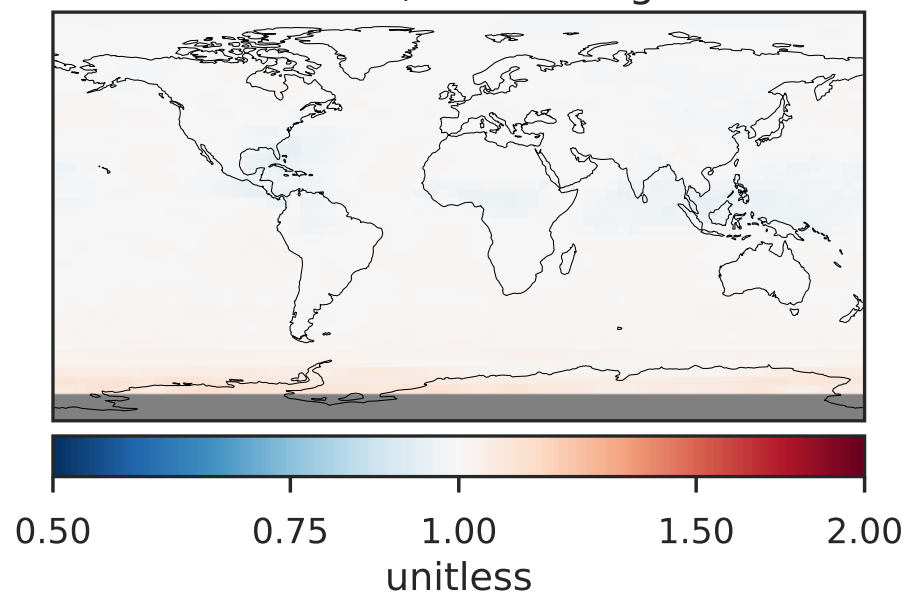
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

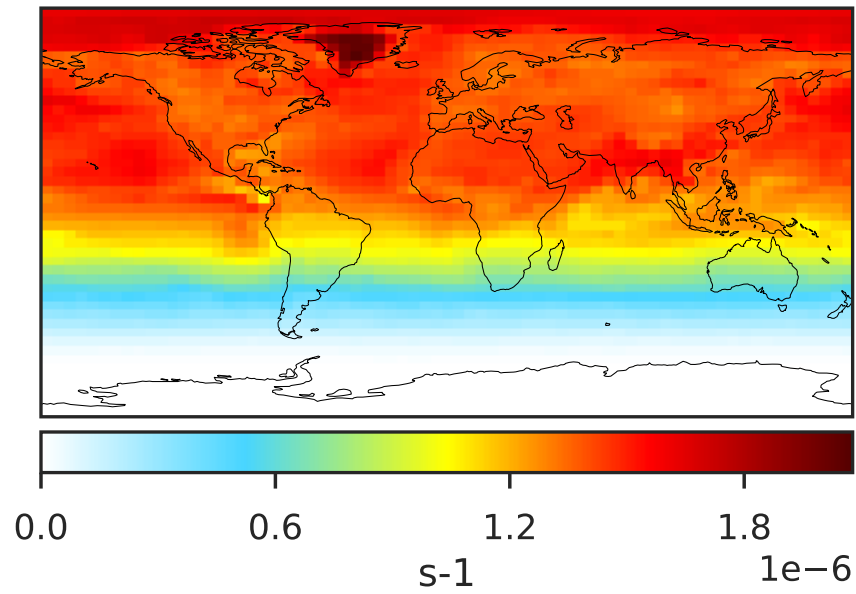


Ratio
Dev/Ref, Fixed Range

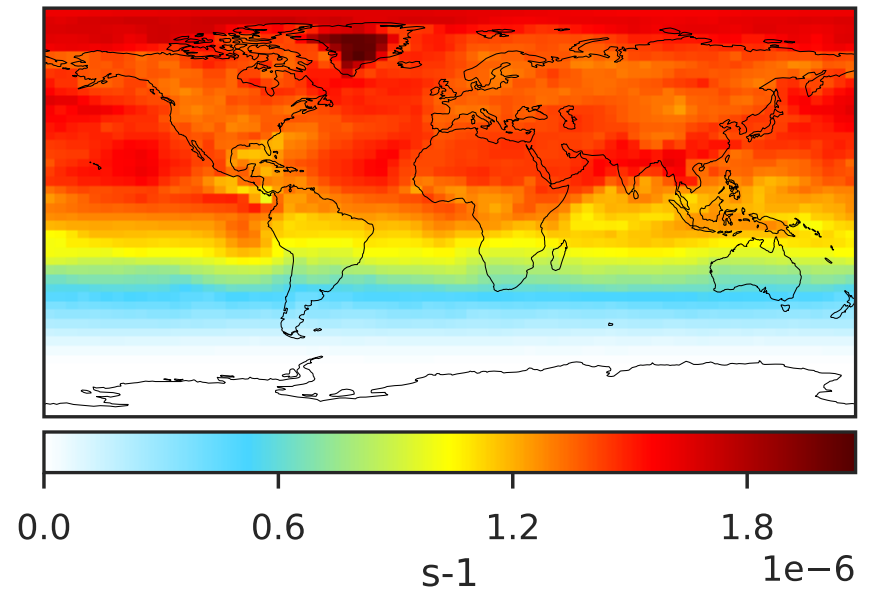


Jval_IHN4 (Jul2019)

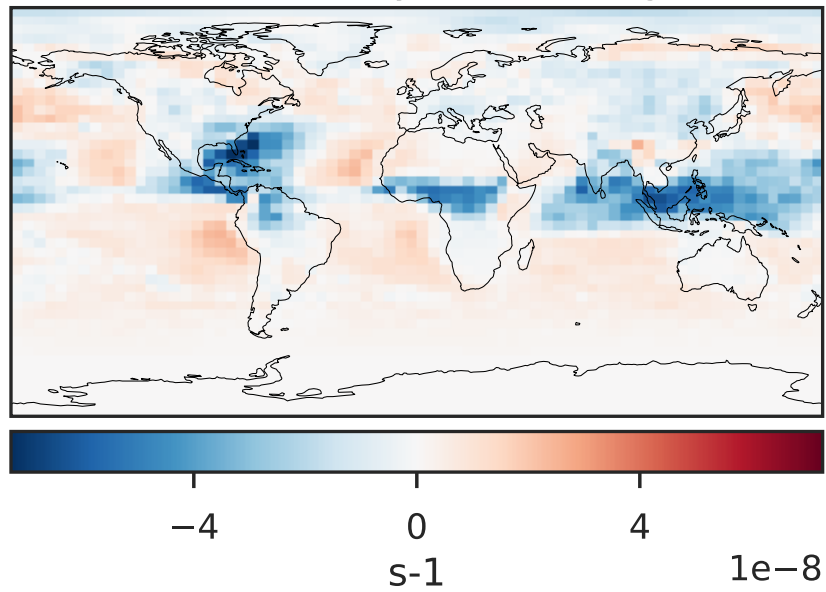
14.2.0-rc.2 (Ref)
4.0x5.0



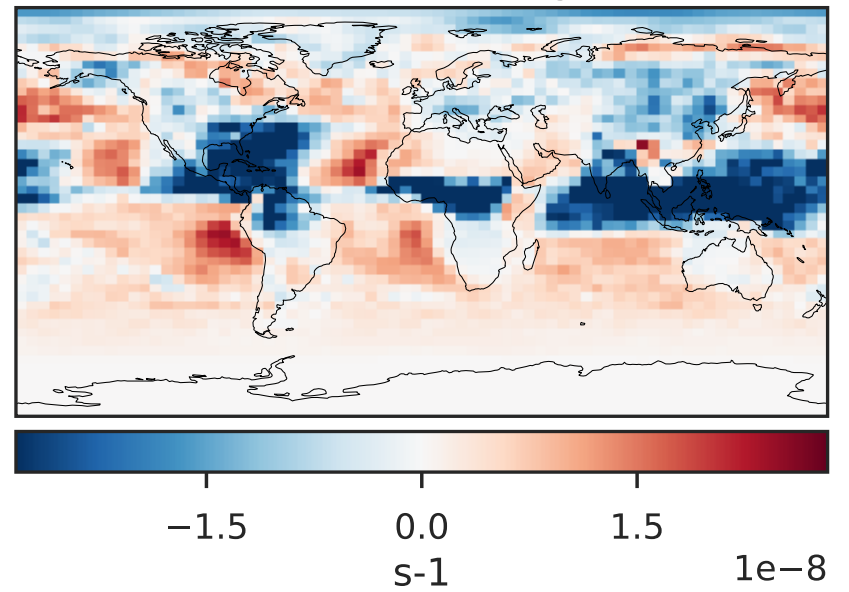
14.3.0-rc.0 (Dev)
4.0x5.0



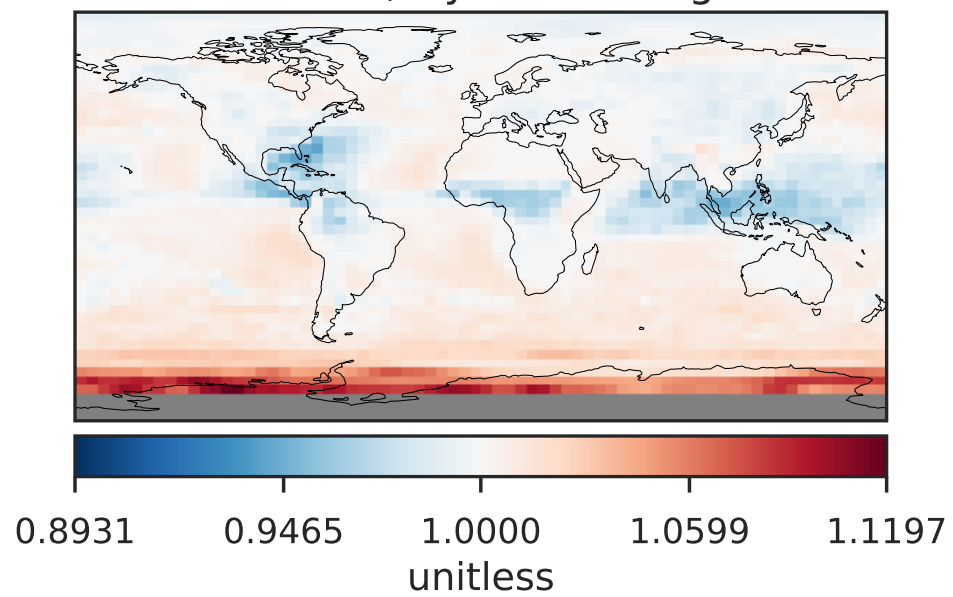
Difference
Dev - Ref, Dynamic Range



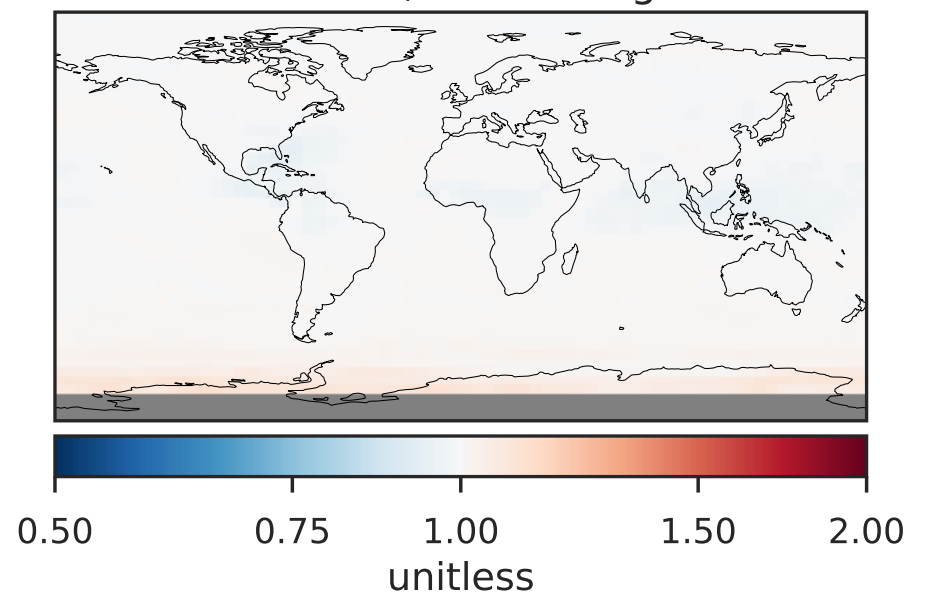
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

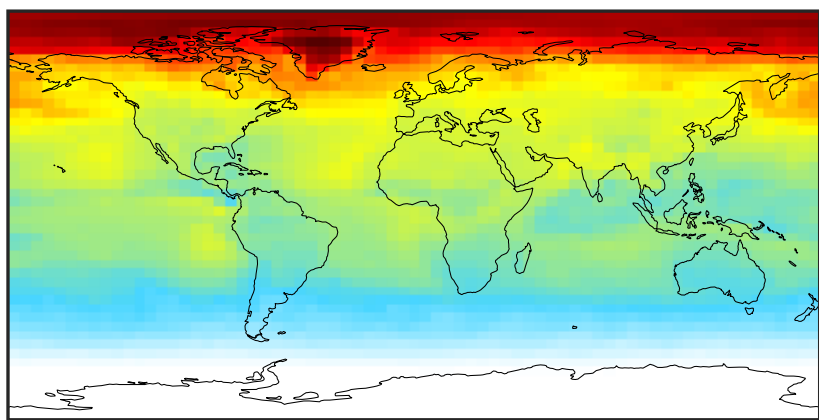


Ratio
Dev/Ref, Fixed Range



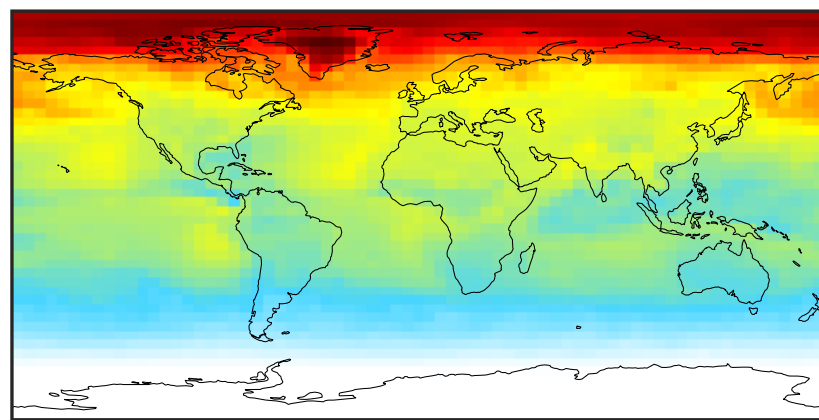
Jval_INO (Jul2019)

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



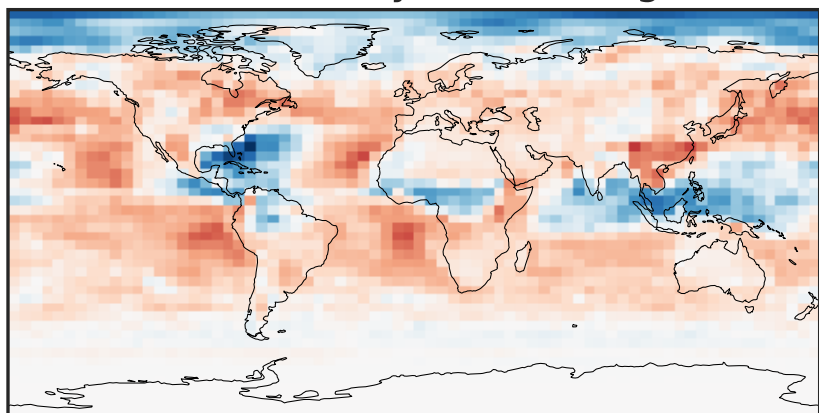
0.000 0.015 0.030 0.045
s-1

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



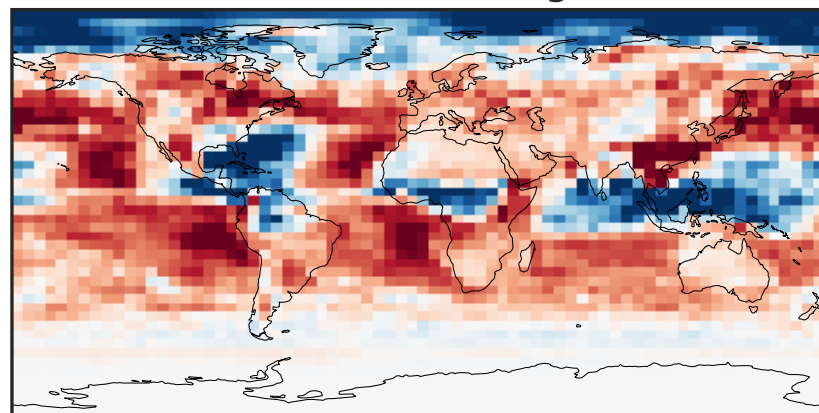
0.000 0.015 0.030 0.045
s-1

Difference
Dev - Ref, Dynamic Range



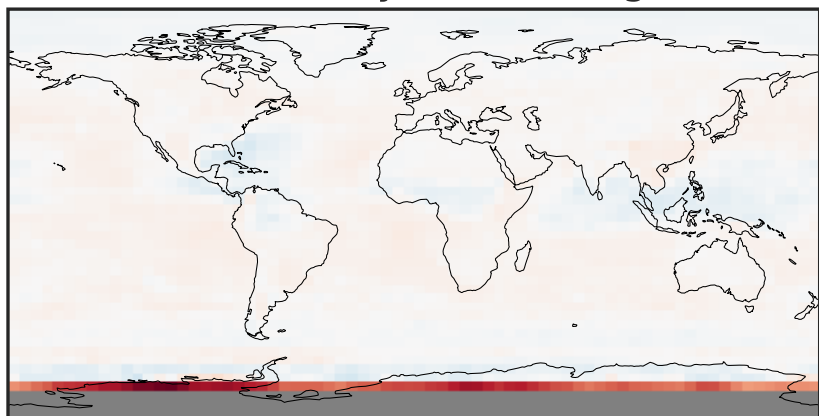
-0.0005 0.0000 0.0005
s-1

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



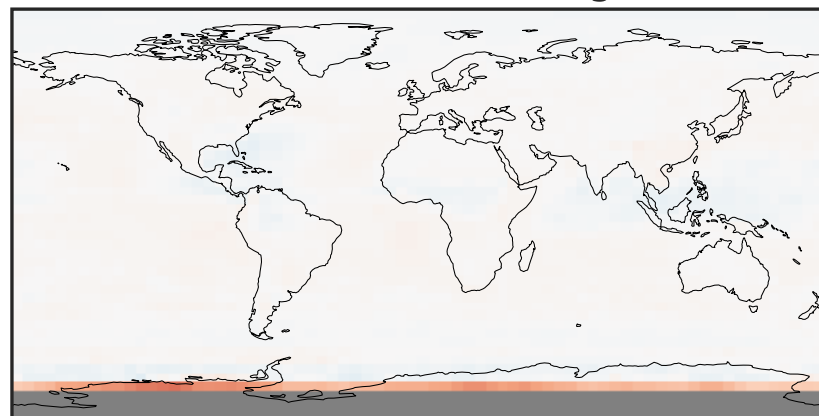
-0.00025 0.00000 0.00025
s-1

Ratio
Dev/Ref, Dynamic Range



0.6837 0.8419 1.0000 1.2313 1.4626
unitless

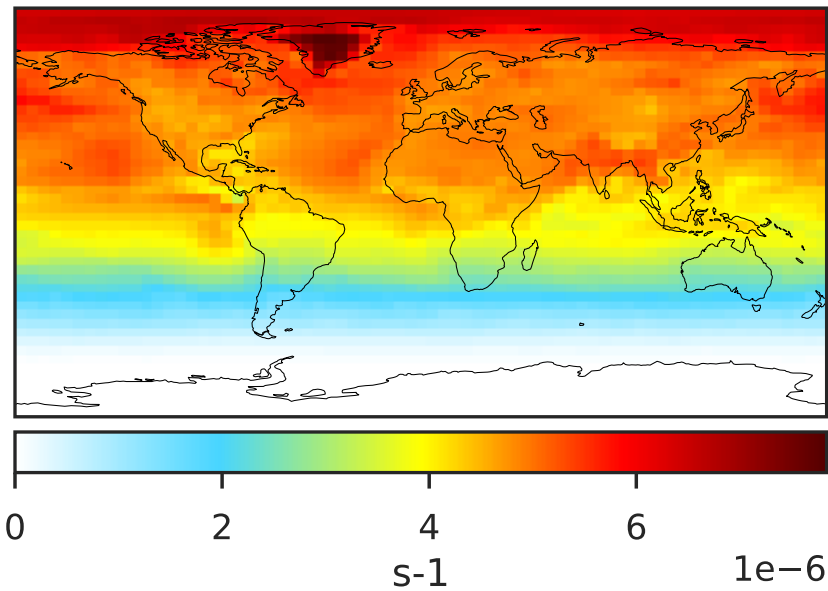
Ratio
Dev/Ref, Fixed Range



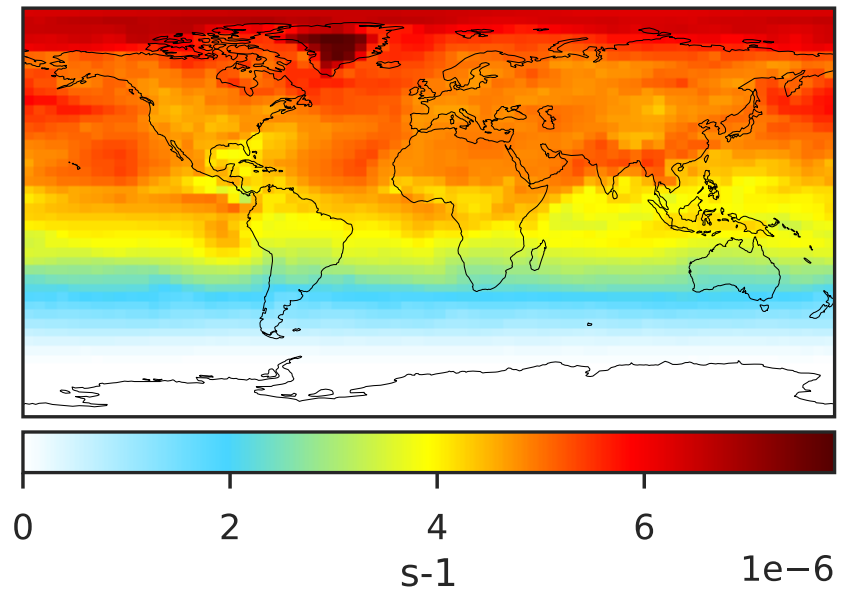
0.50 0.75 1.00 1.50 2.00
unitless

Jval_INPB (Jul2019)

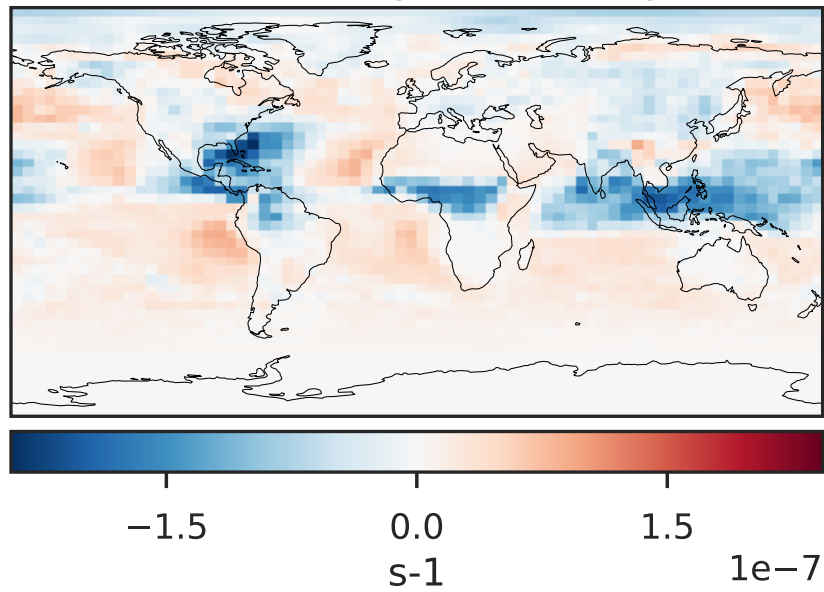
14.2.0-rc.2 (Ref)
4.0x5.0



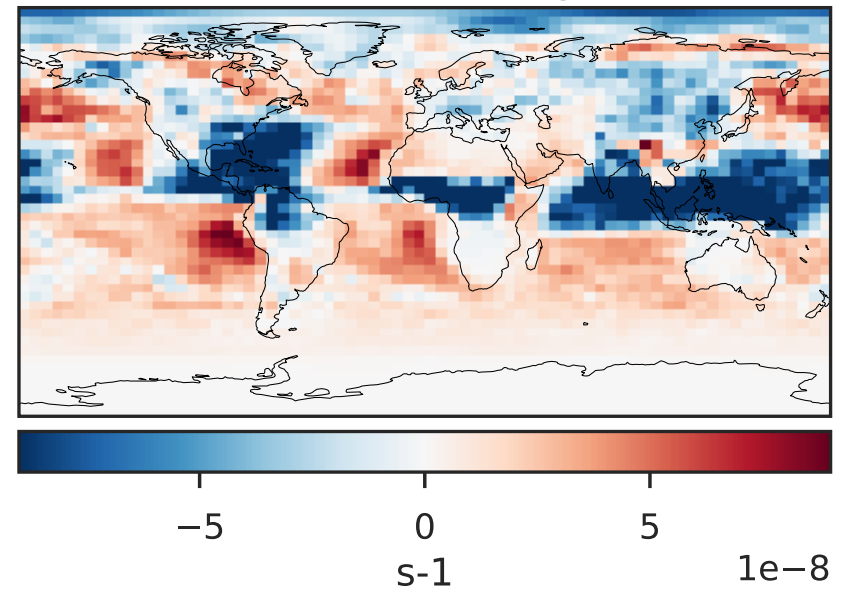
14.3.0-rc.0 (Dev)
4.0x5.0



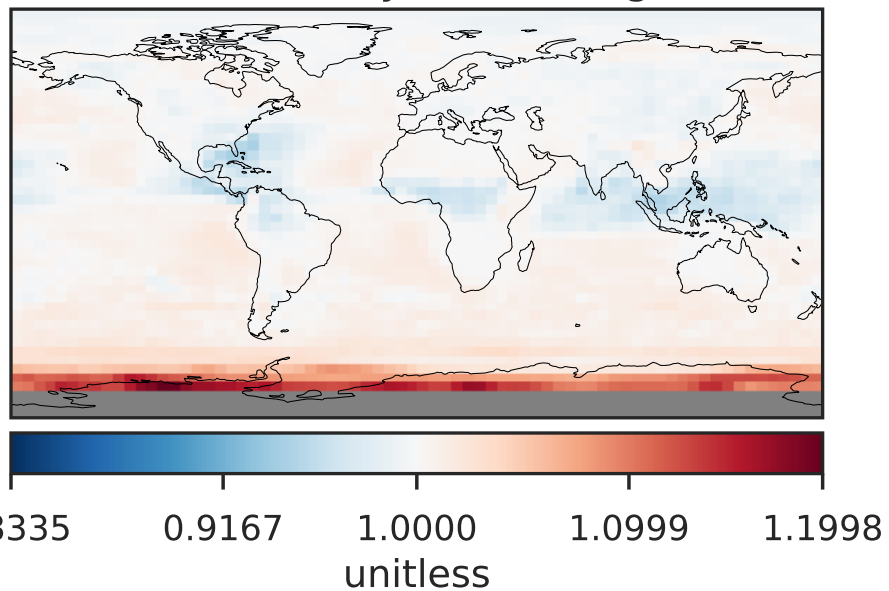
Difference
Dev - Ref, Dynamic Range



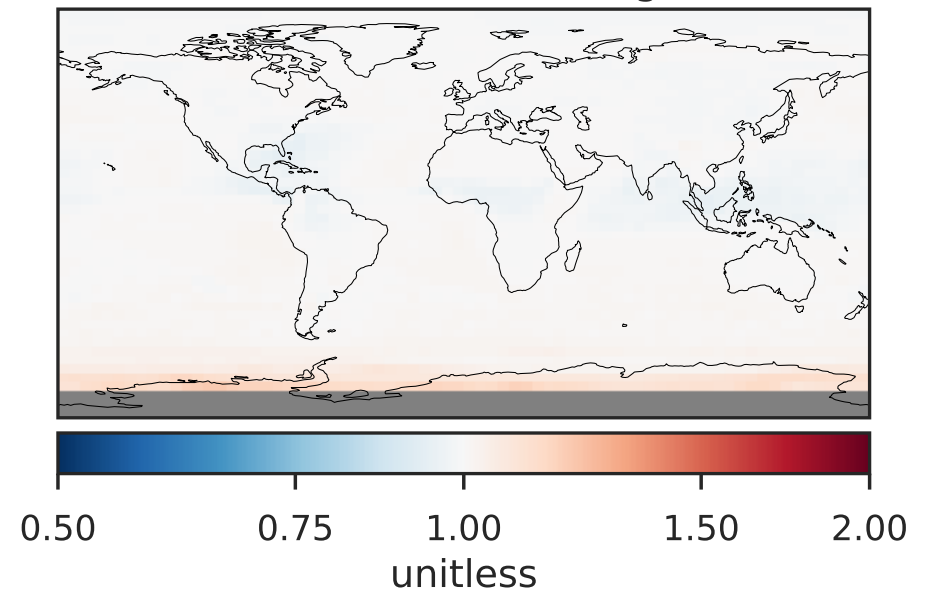
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

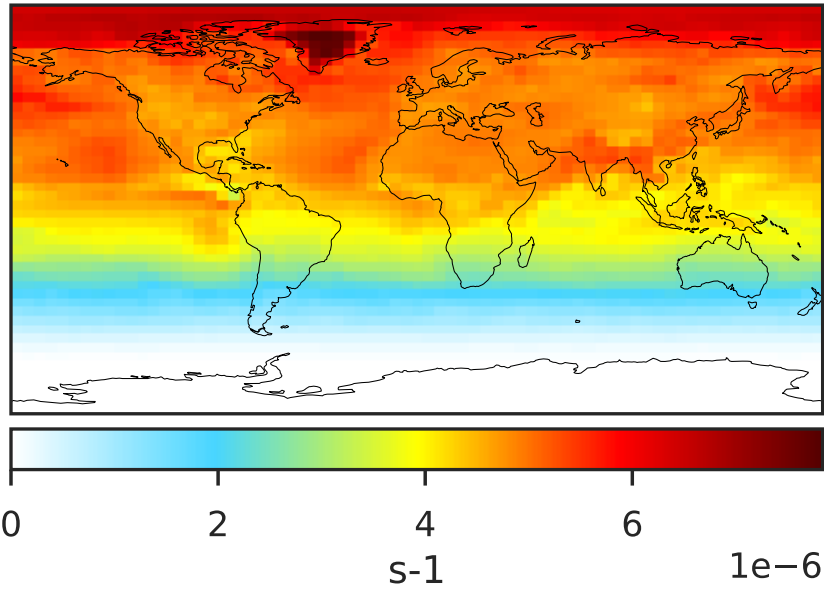


Ratio
Dev/Ref, Fixed Range

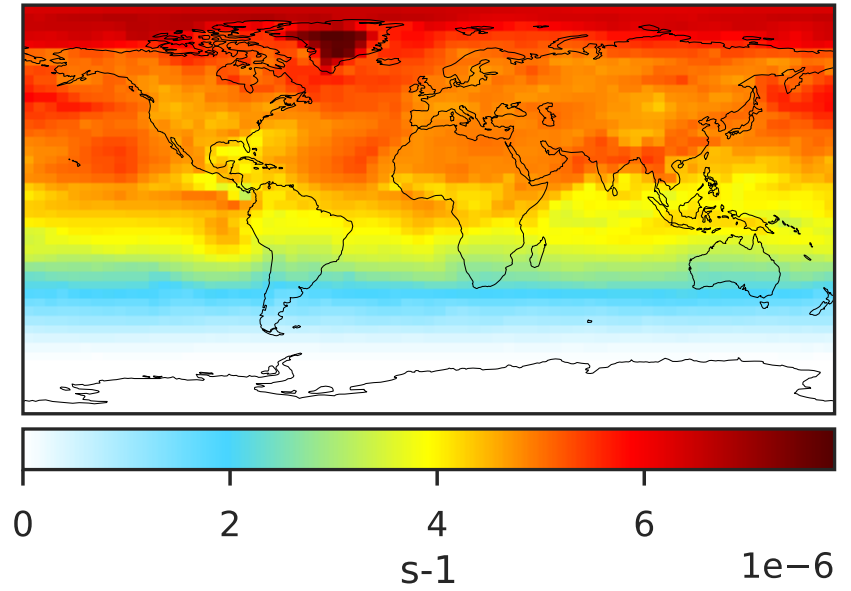


Jval_INPD (Jul2019)

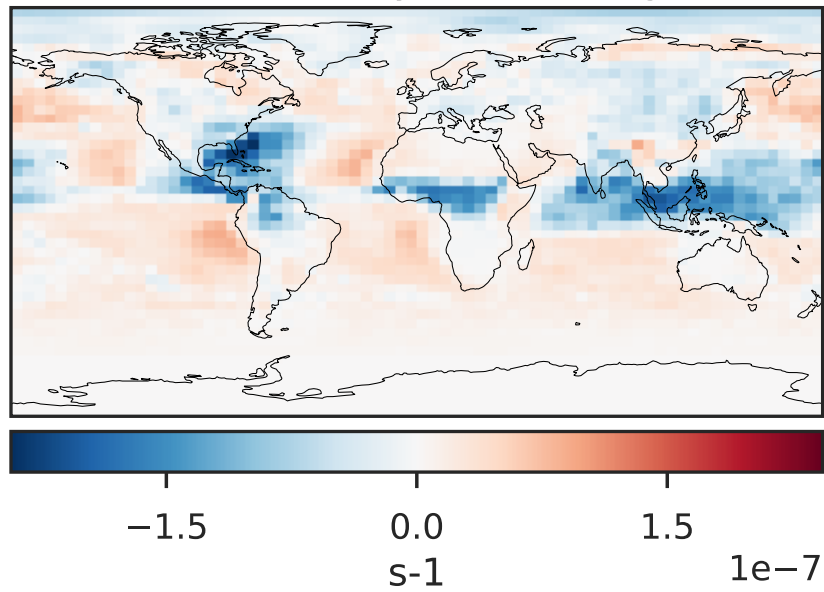
14.2.0-rc.2 (Ref)
4.0x5.0



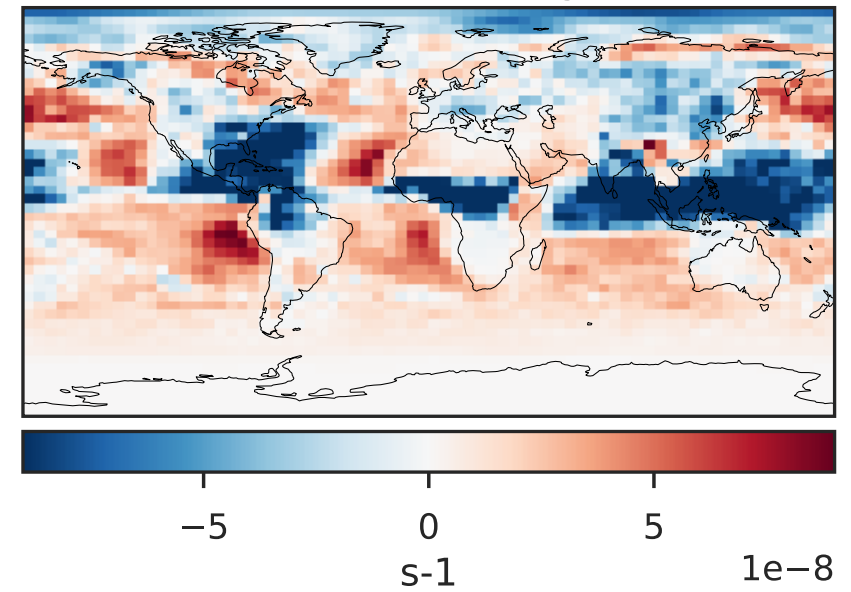
14.3.0-rc.0 (Dev)
4.0x5.0



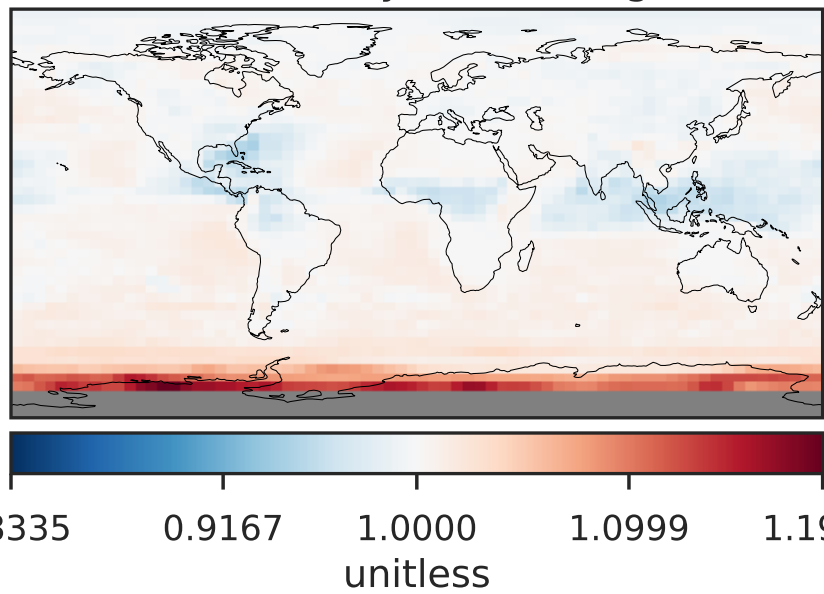
Difference
Dev - Ref, Dynamic Range



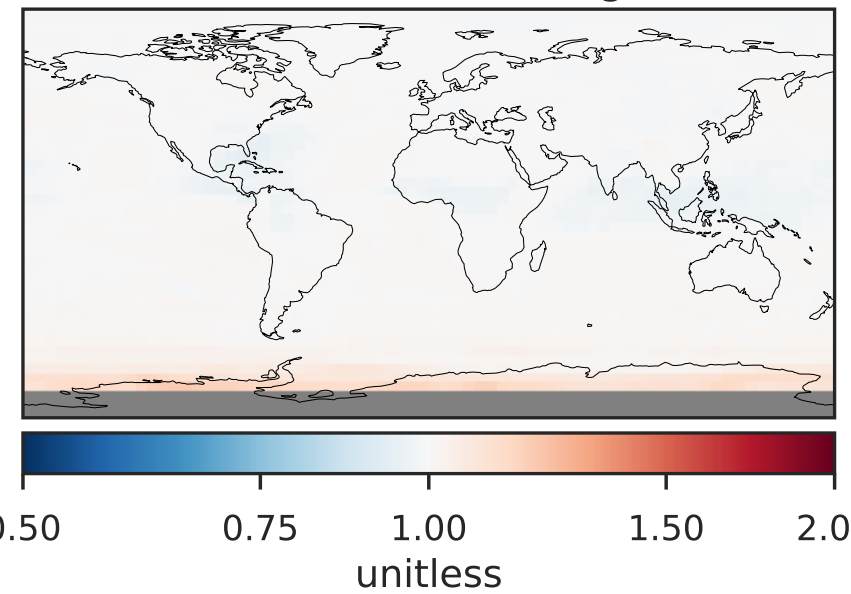
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

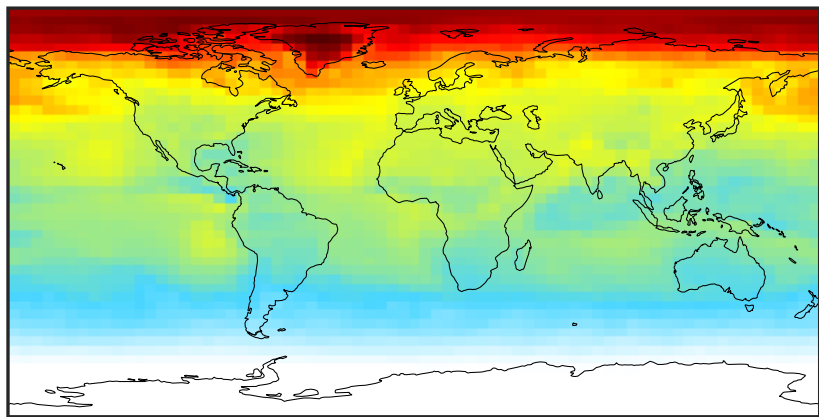


Ratio
Dev/Ref, Fixed Range



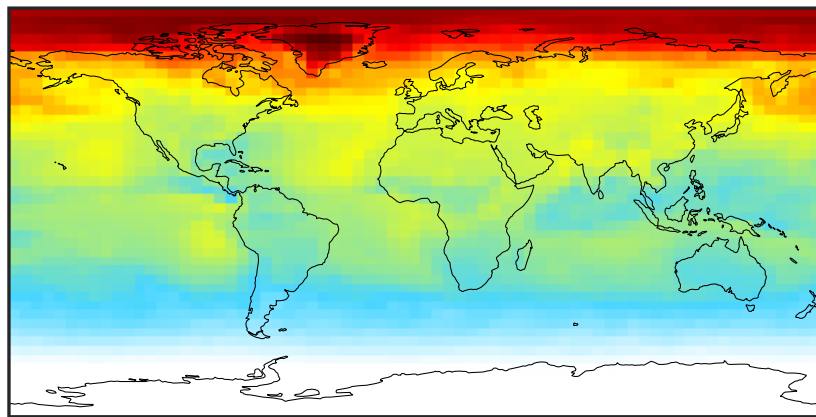
Jval_IO (Jul2019)

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



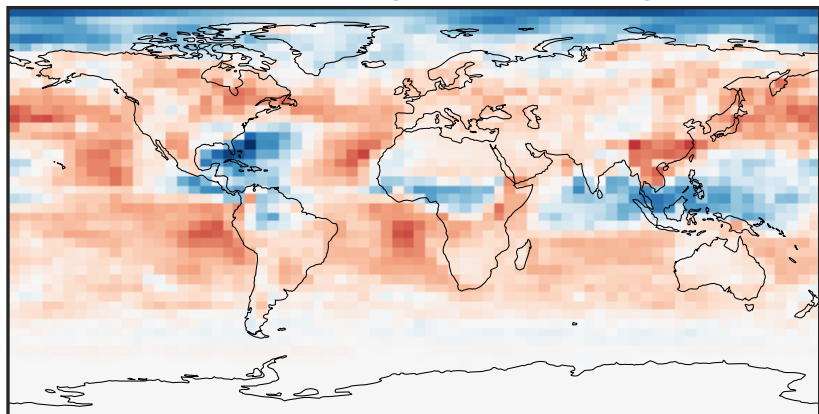
0.0000 0.0706 0.1411 0.2117 0.2823
s-1

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



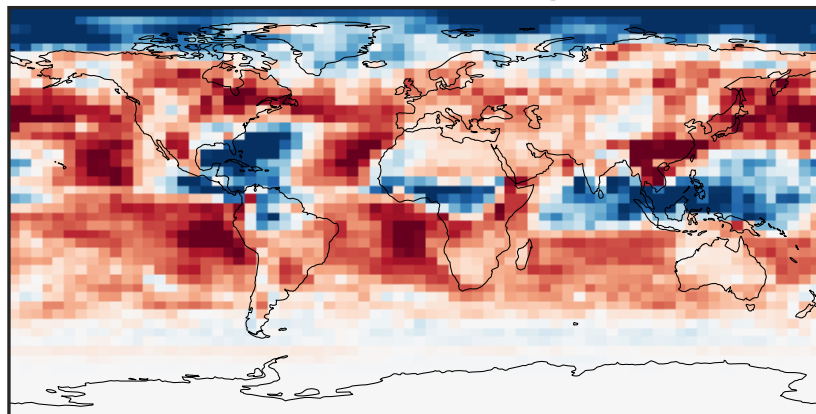
0.0000 0.0706 0.1411 0.2117 0.2823
s-1

Difference
Dev - Ref, Dynamic Range



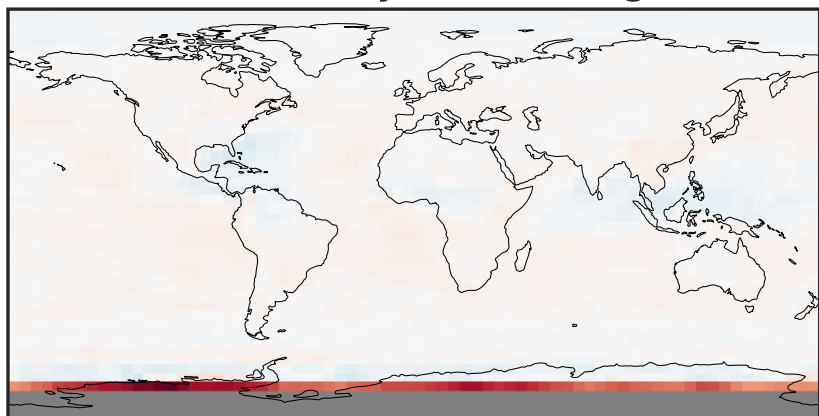
-0.003 0.000 0.003
s-1

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



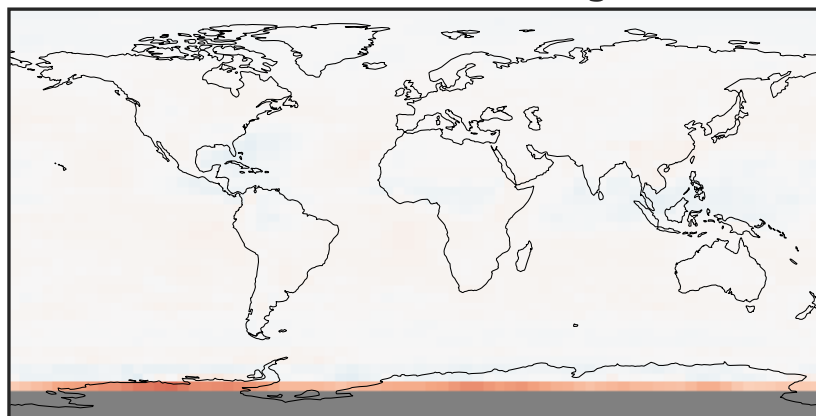
-0.0015 0.0000 0.0015
s-1

Ratio
Dev/Ref, Dynamic Range



0.6784 0.8392 1.0000 1.2370 1.4741
unitless

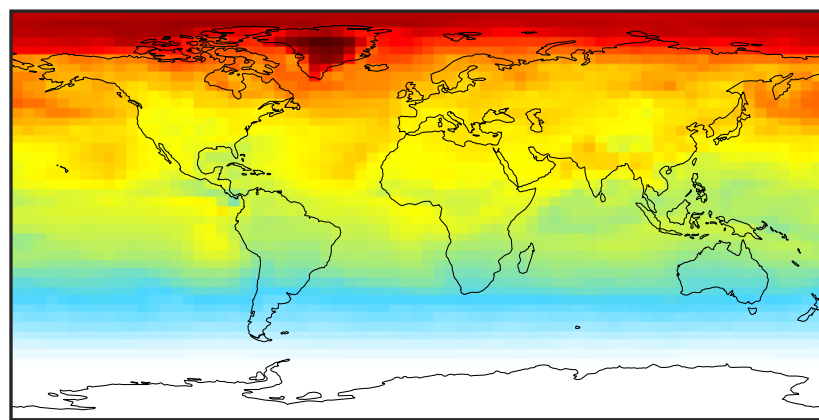
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

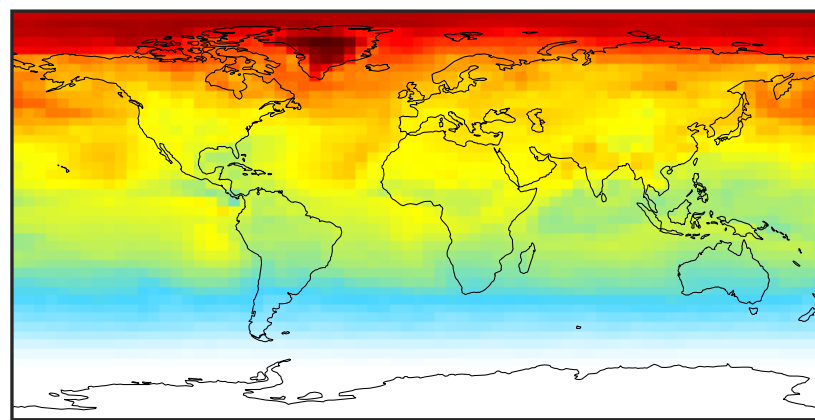
Jval_IONO (Jul2019)

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



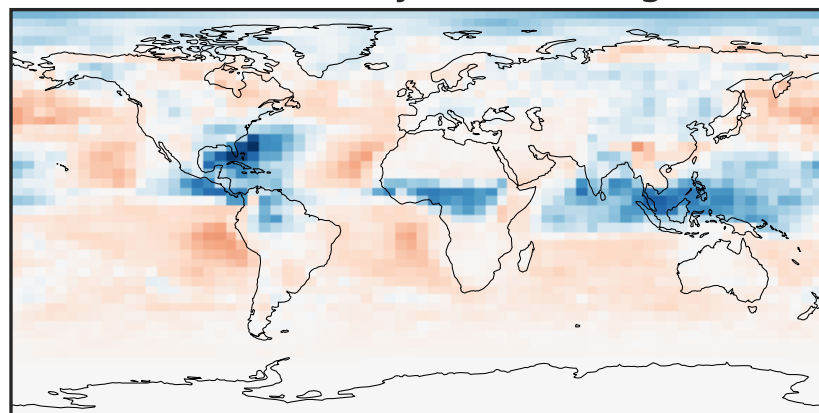
0.000 0.001 0.002 0.003
s-1

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



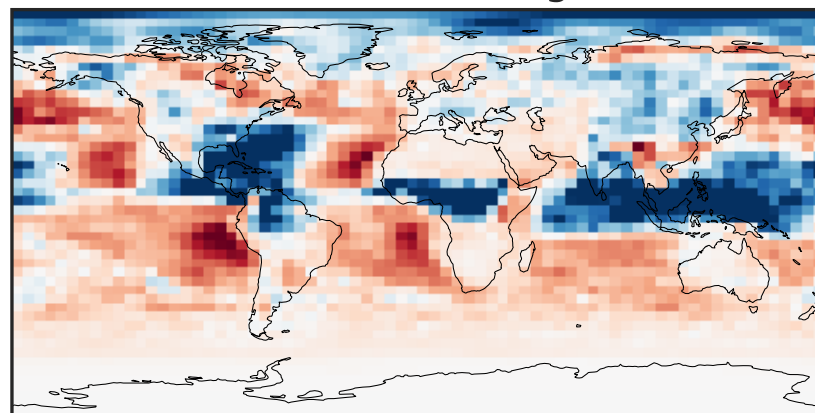
0.000 0.001 0.002 0.003
s-1

Difference
Dev - Ref, Dynamic Range



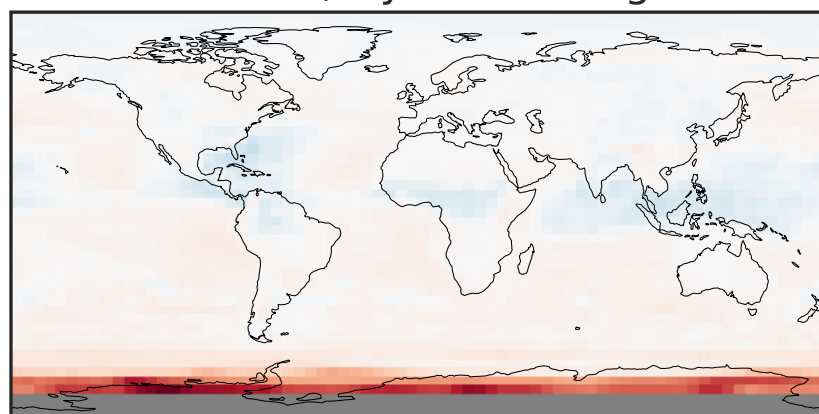
-5 0 5
s-1 1e-5

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



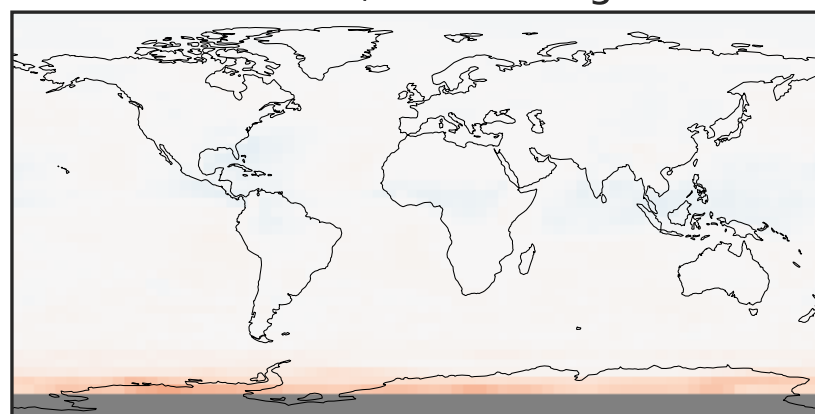
-2 0 2
s-1 1e-5

Ratio
Dev/Ref, Dynamic Range



0.768 0.884 1.000 1.151 1.302
unitless

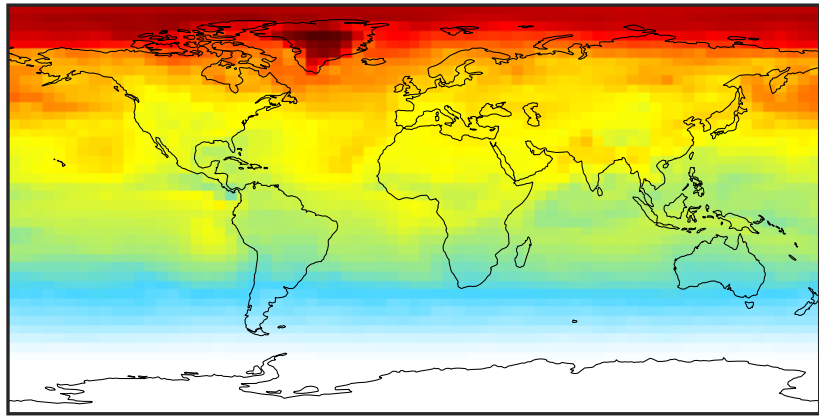
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

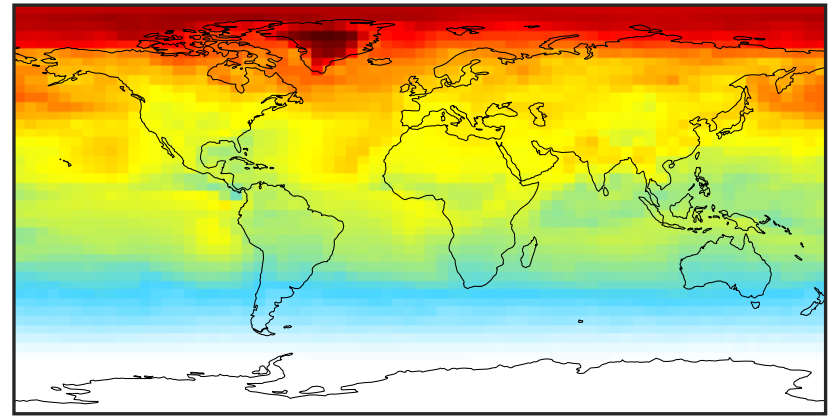
Jval_IONO2 (Jul2019)

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



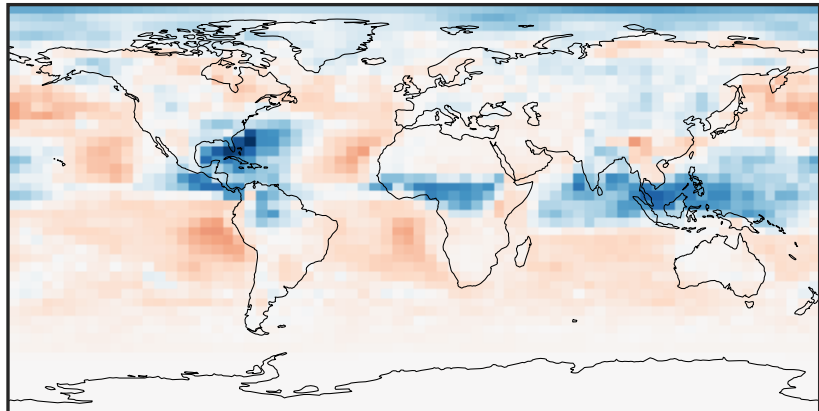
0.000 0.004 0.008 0.012
s-1

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



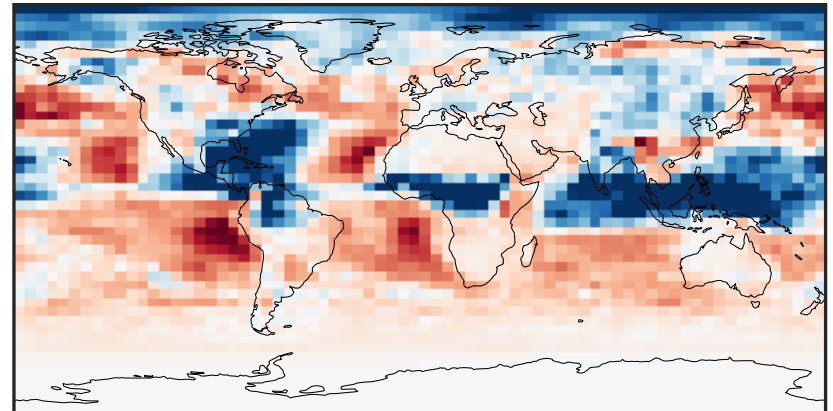
0.000 0.004 0.008 0.012
s-1

Difference
Dev - Ref, Dynamic Range



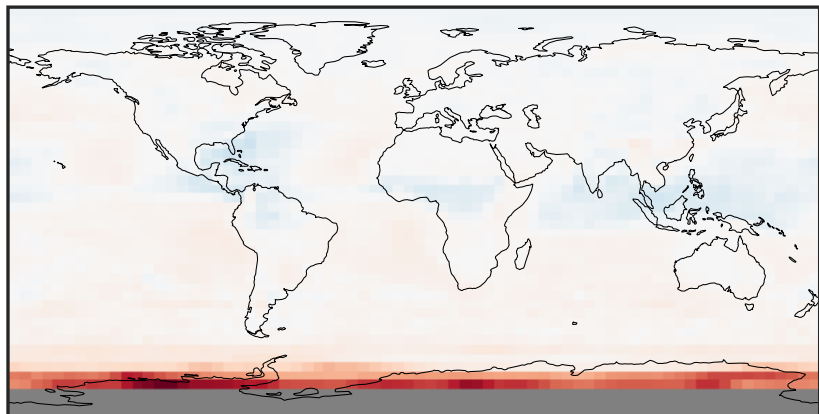
-0.00015 0.0000 0.00015
s-1

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



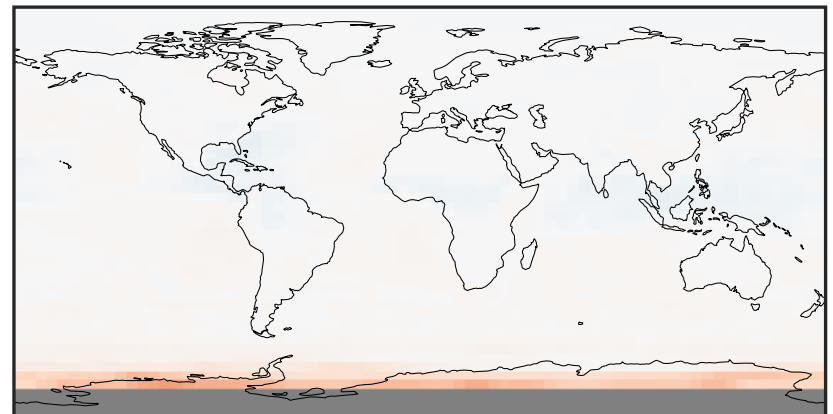
-8 0 8
s-1 1e-5

Ratio
Dev/Ref, Dynamic Range



0.7484 0.8742 1.000 1.1681 1.3361
unitless

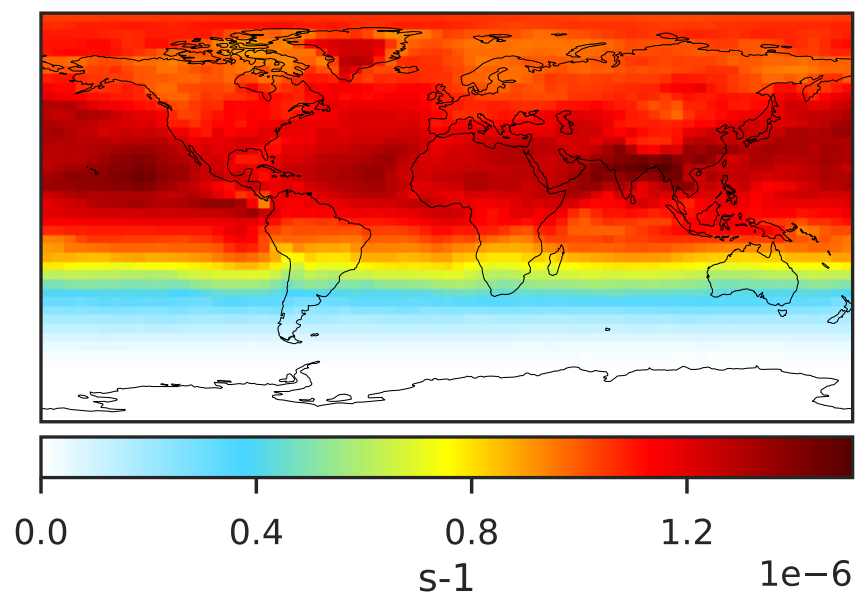
Ratio
Dev/Ref, Fixed Range



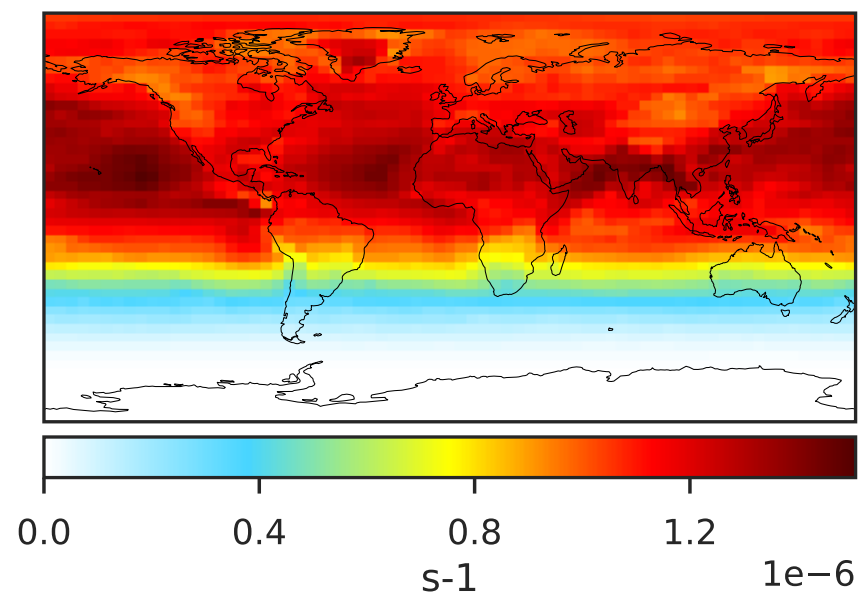
0.50 0.75 1.00 1.50 2.00
unitless

Jval_IPRNO3 (Jul2019)

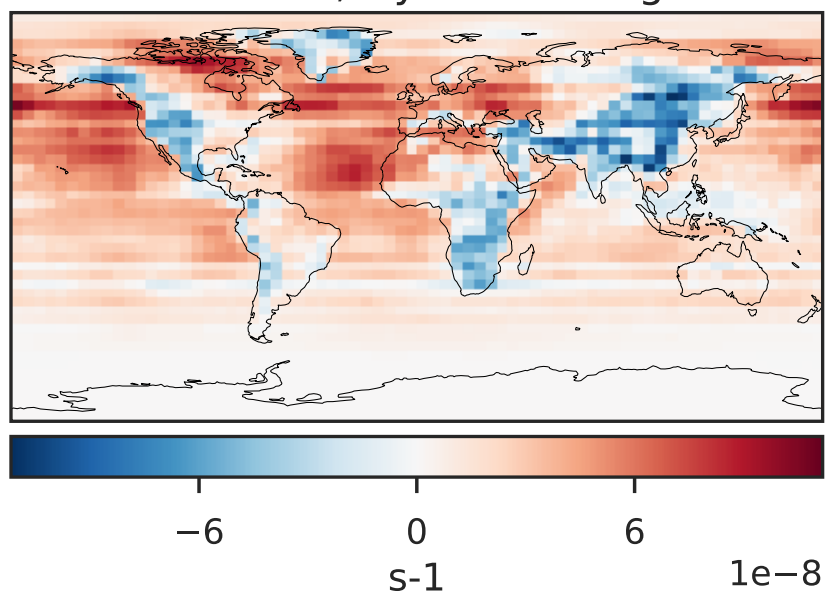
14.2.0-rc.2 (Ref)
4.0x5.0



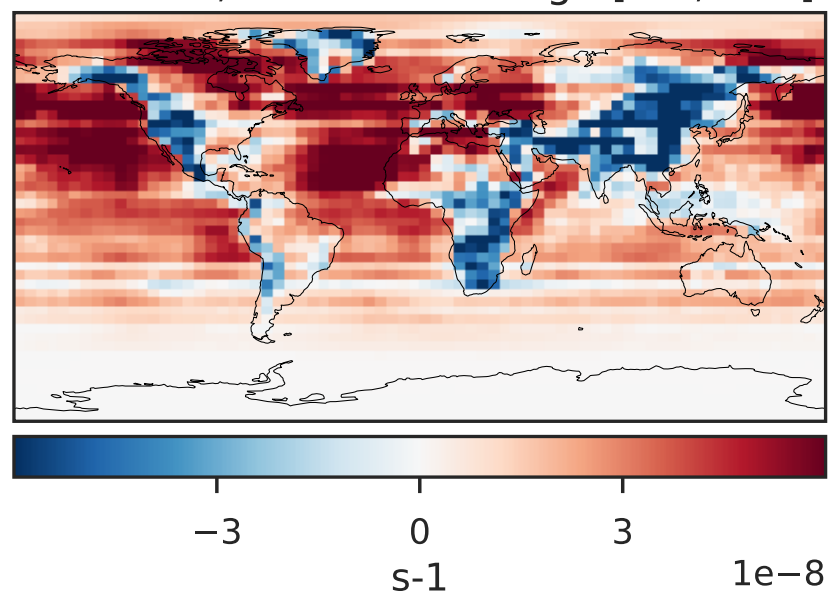
14.3.0-rc.0 (Dev)
4.0x5.0



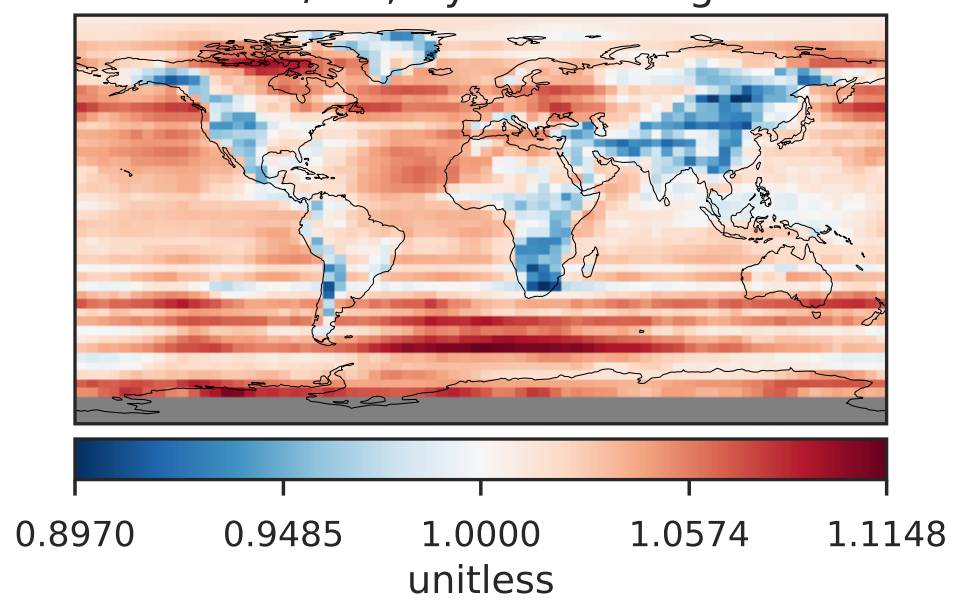
Difference
Dev - Ref, Dynamic Range



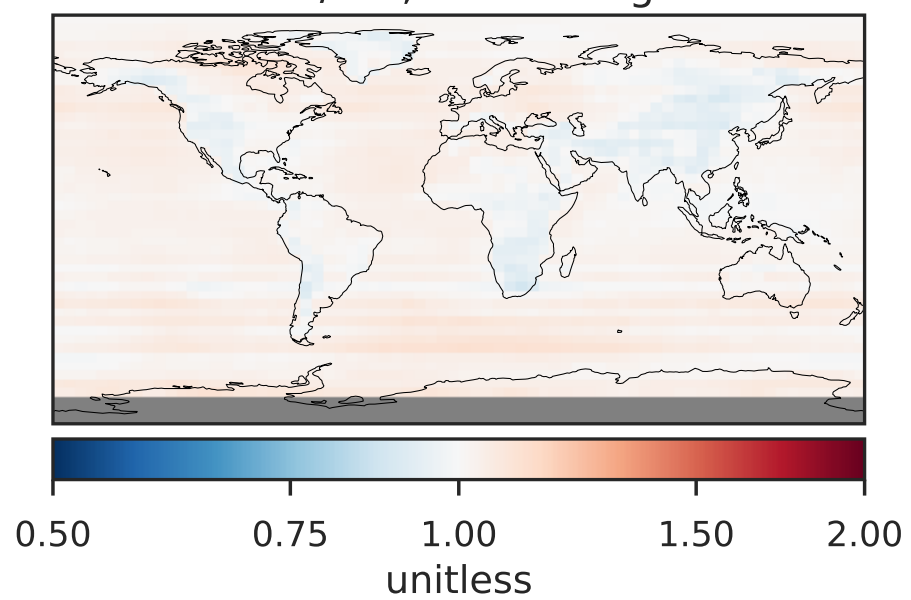
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

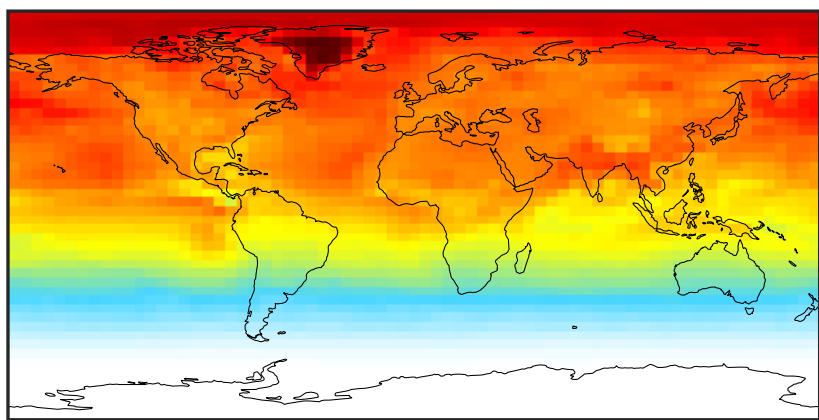


Ratio
Dev/Ref, Fixed Range



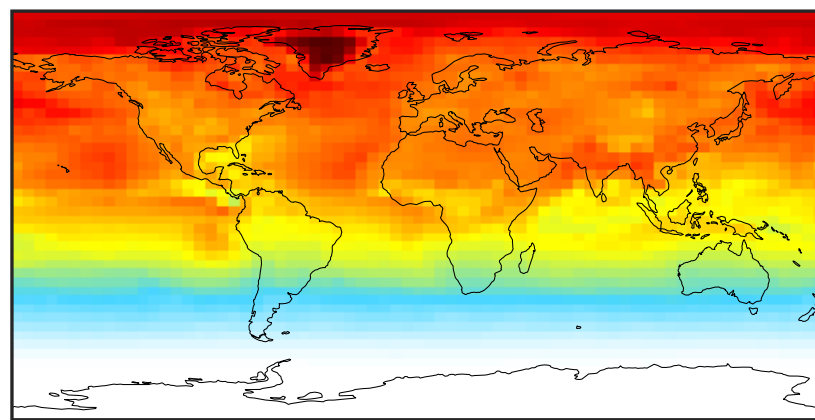
Jval_ITCN (Jul2019)

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



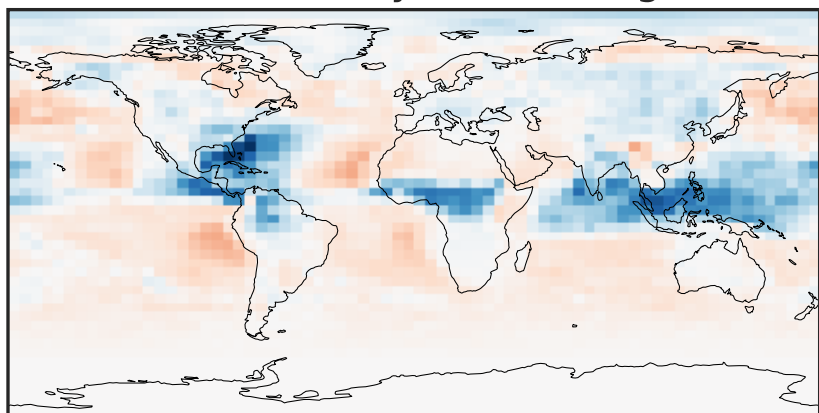
0.00000 0.00004 0.00008 0.00012
s-1

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



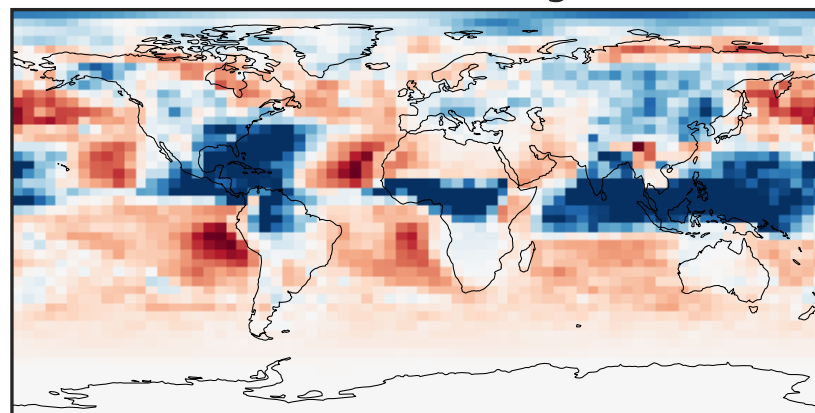
0.00000 0.00004 0.00008 0.00012
s-1

Difference
Dev - Ref, Dynamic Range



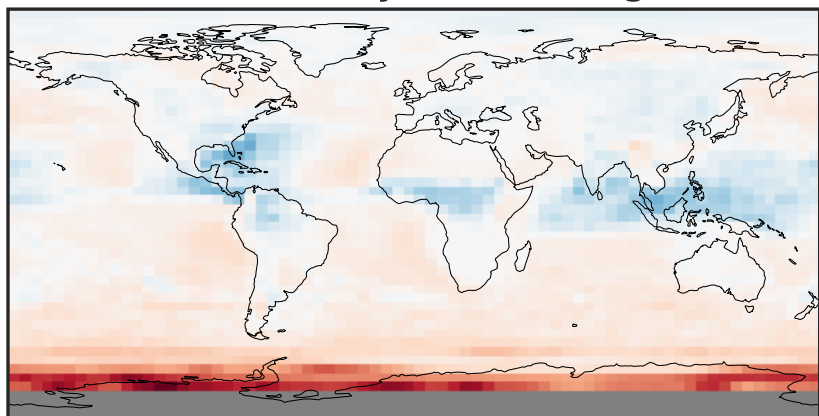
-2.5 0.0 2.5
s-1 1e-6

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



-8 0 8
s-1 1e-7

Ratio
Dev/Ref, Dynamic Range



0.8894 0.9447 1.0000 1.0622 1.1243
unitless

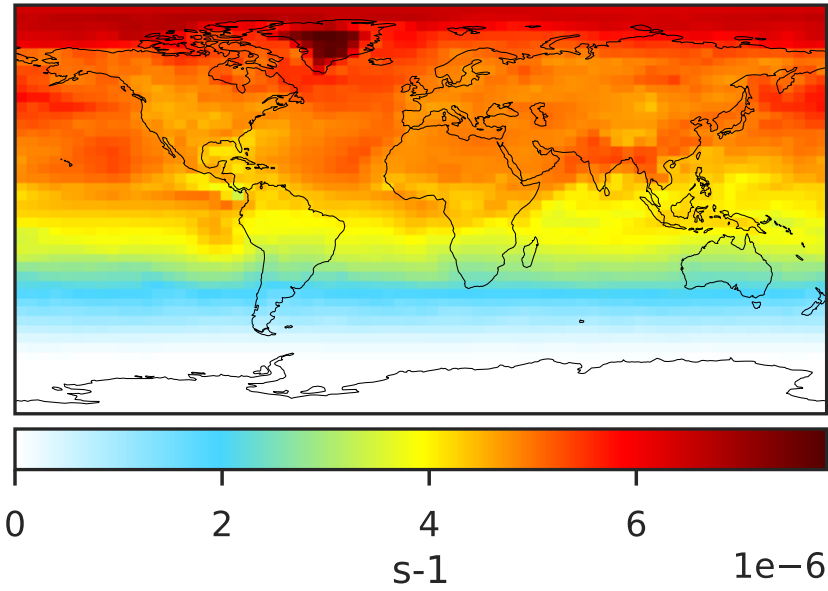
Ratio
Dev/Ref, Fixed Range



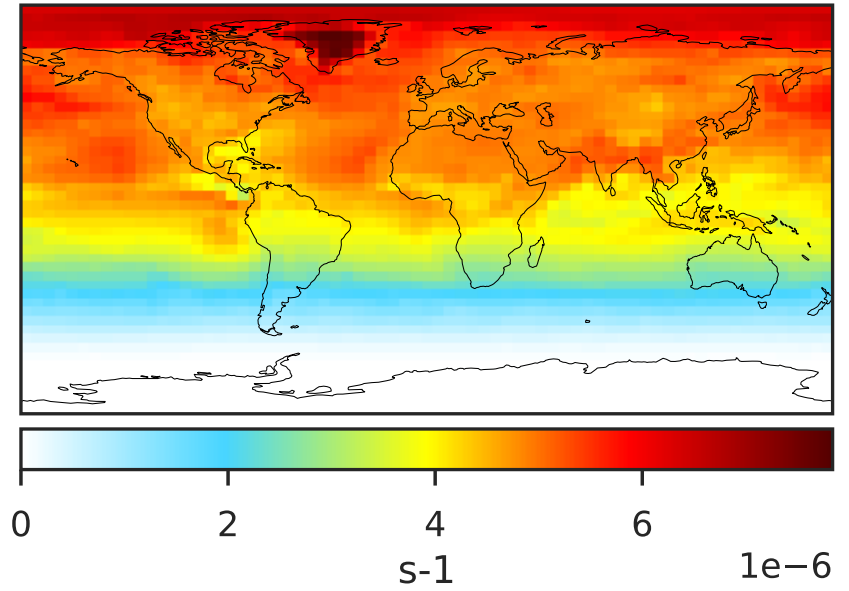
0.50 0.75 1.00 1.50 2.00
unitless

Jval_ITHN (Jul2019)

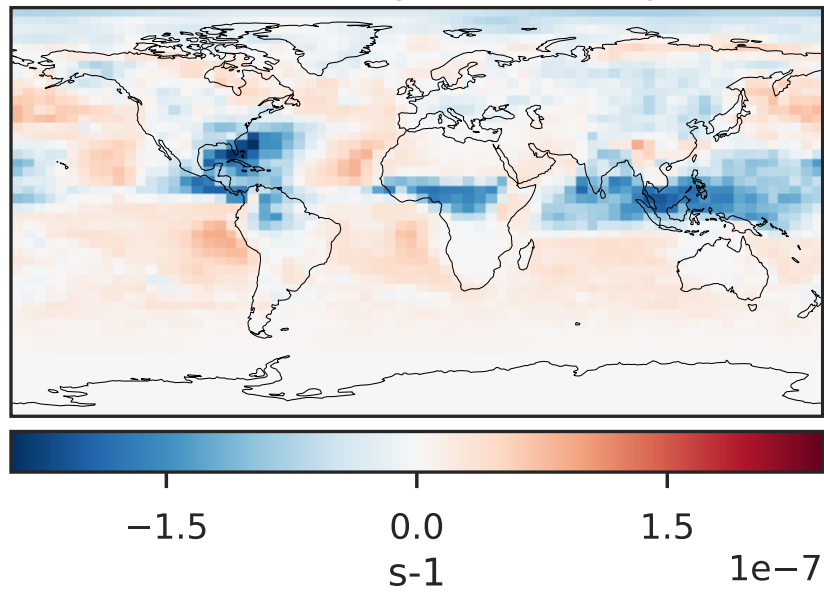
14.2.0-rc.2 (Ref)
4.0x5.0



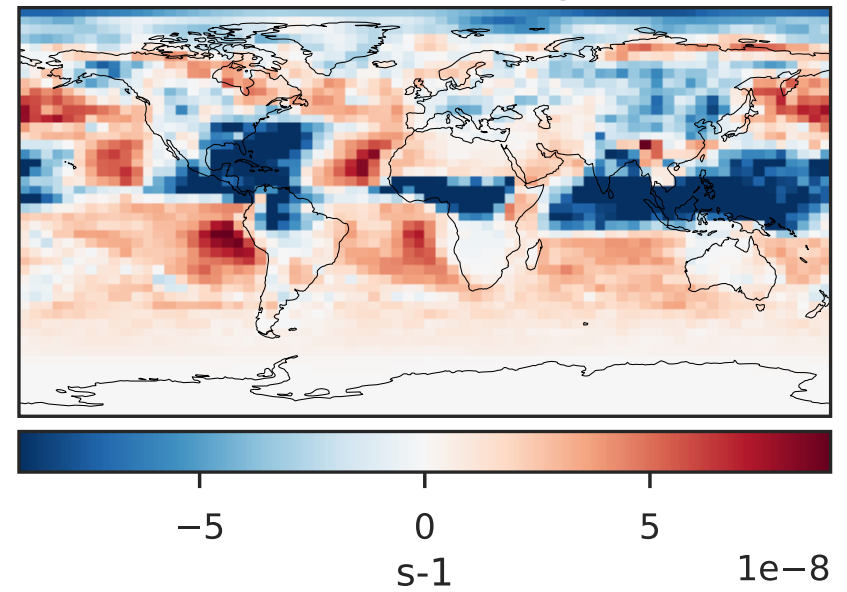
14.3.0-rc.0 (Dev)
4.0x5.0



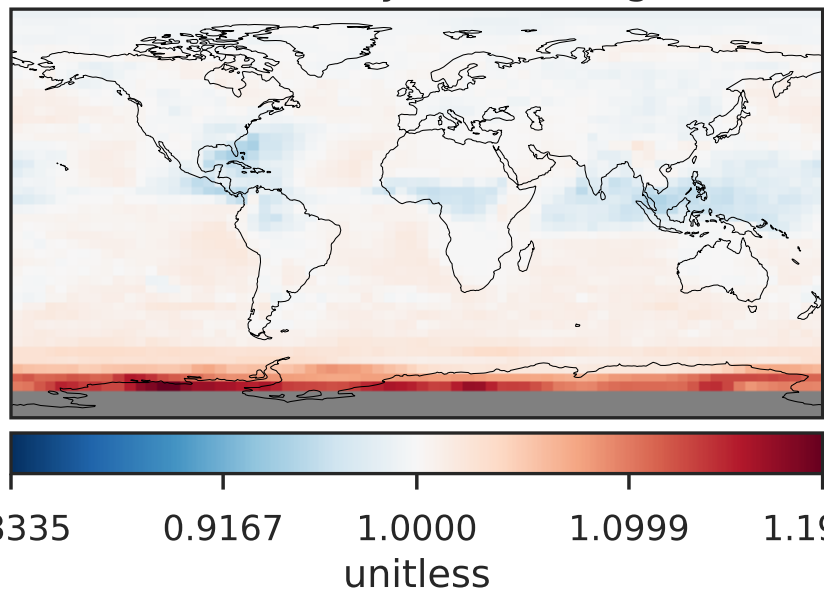
Difference
Dev - Ref, Dynamic Range



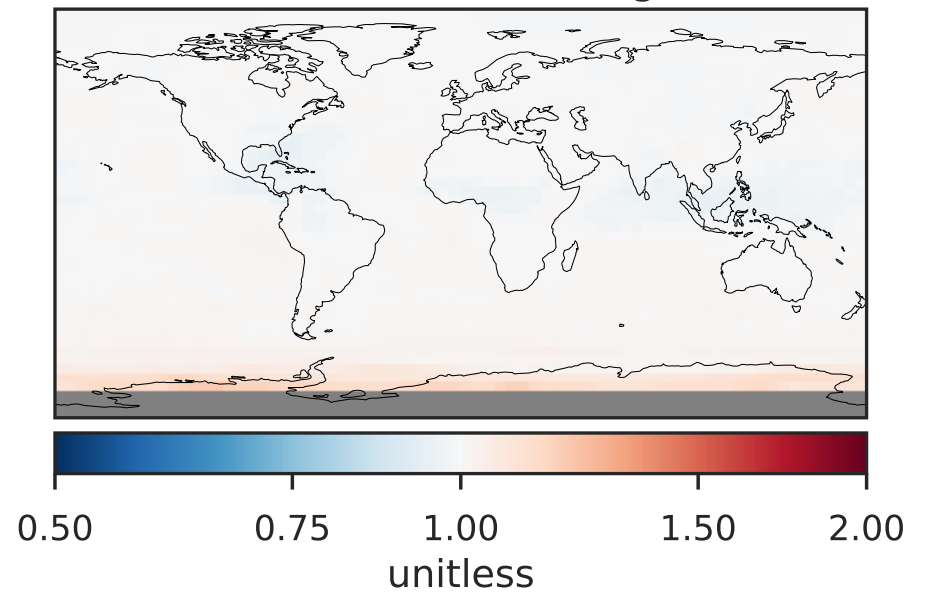
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

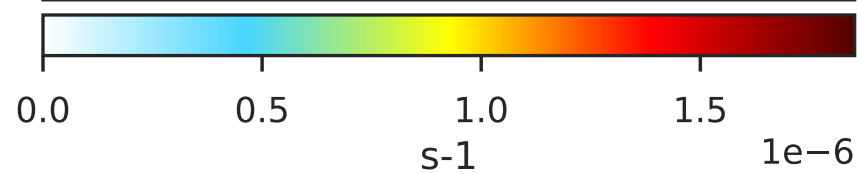
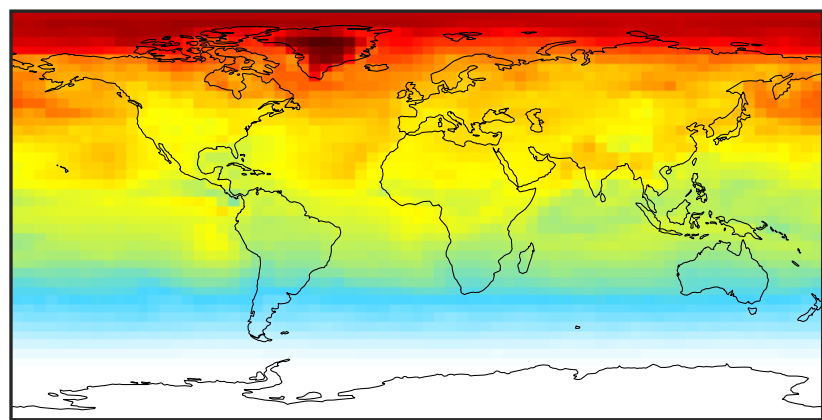


Ratio
Dev/Ref, Fixed Range

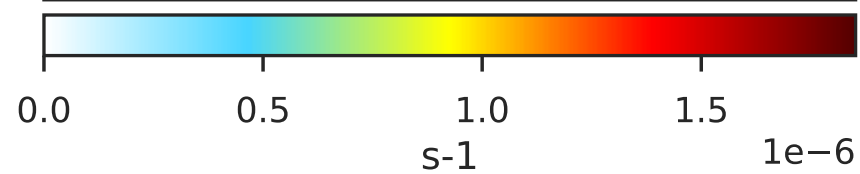
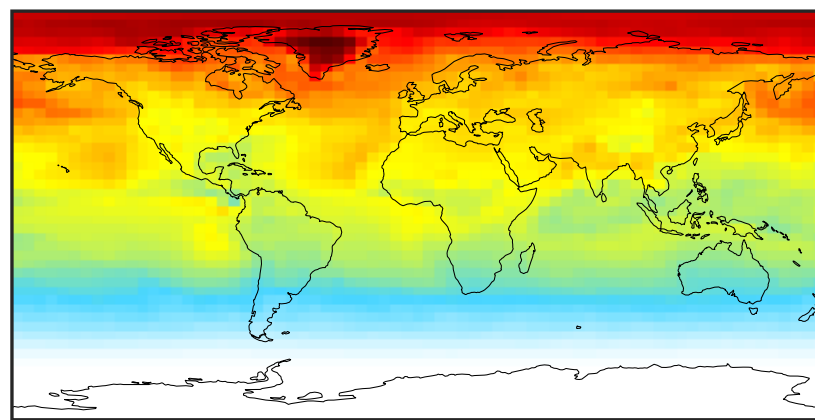


Jval_MACR (Jul2019)

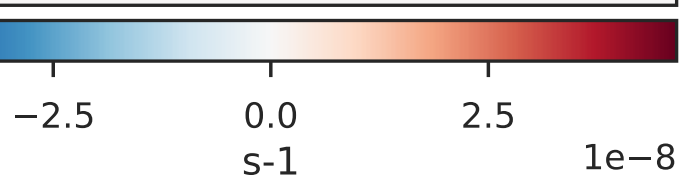
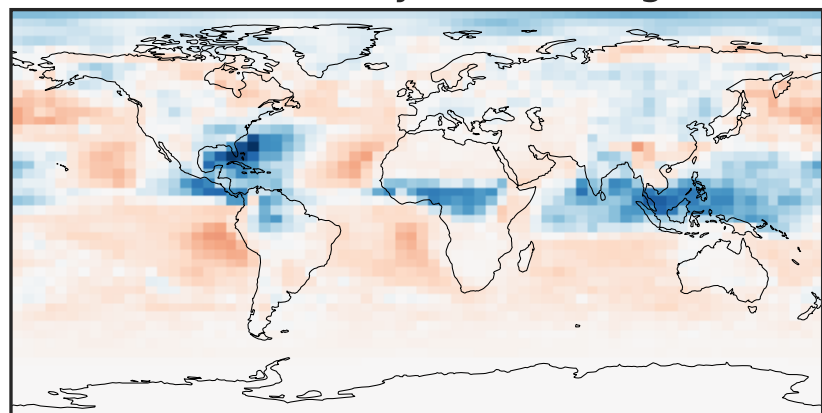
14.2.0-rc.2 (Ref)
4.0x5.0



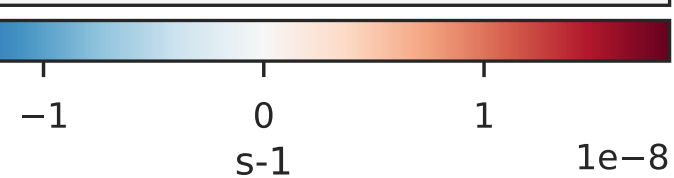
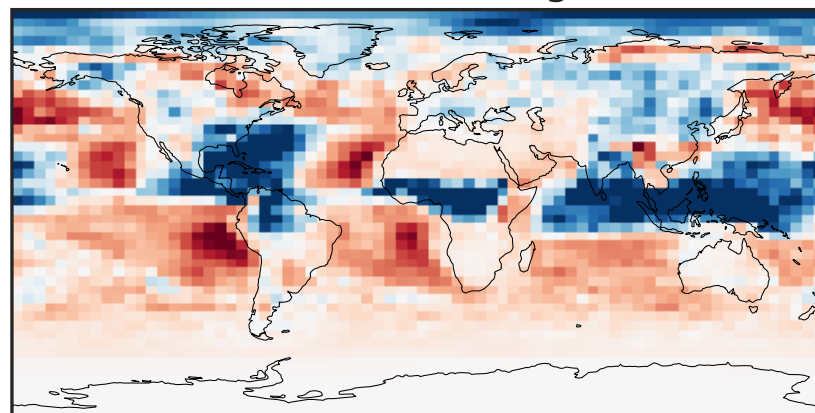
14.3.0-rc.0 (Dev)
4.0x5.0



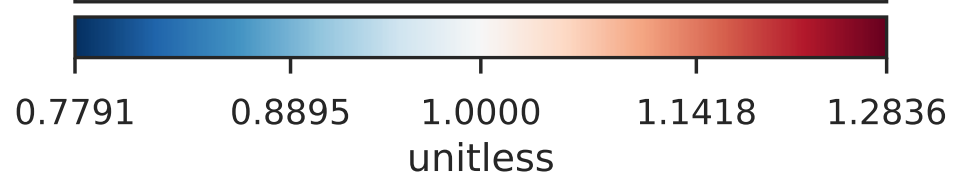
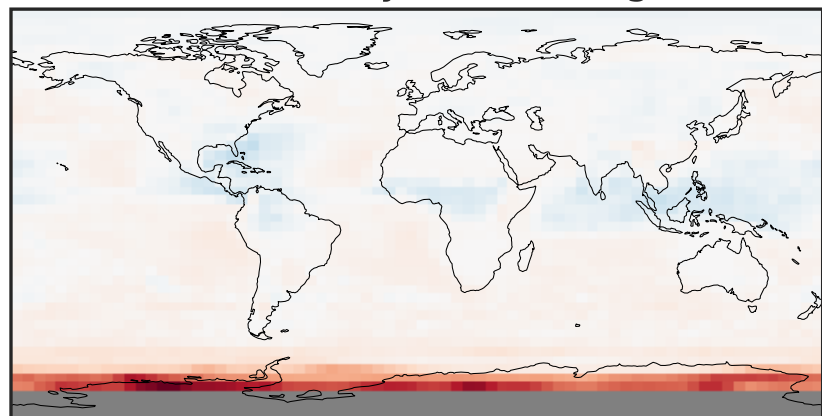
Difference
Dev - Ref, Dynamic Range



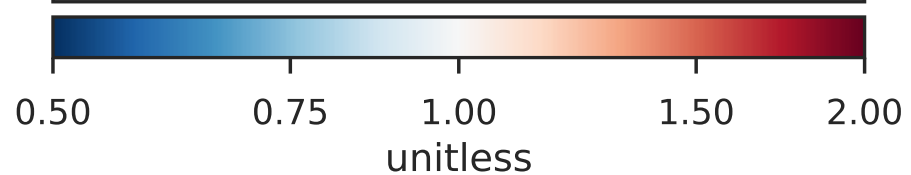
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

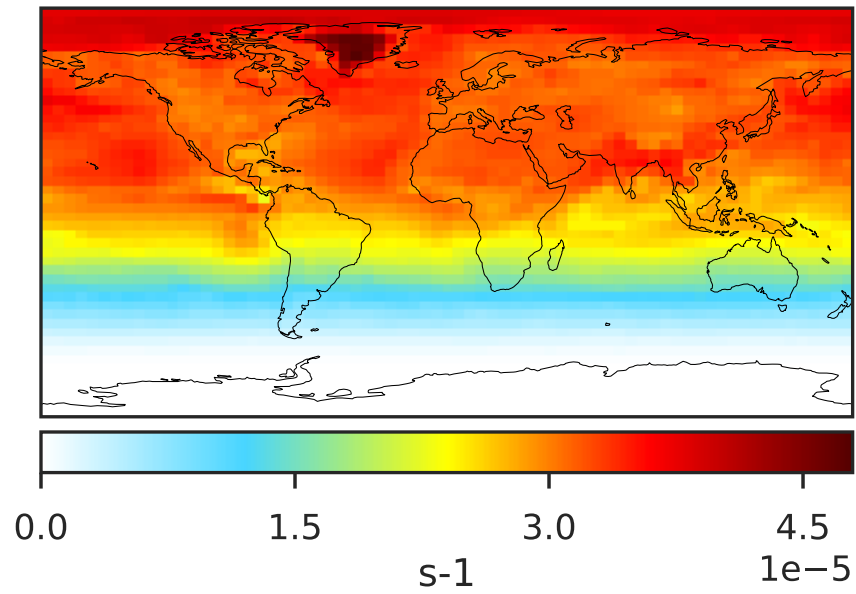


Ratio
Dev/Ref, Fixed Range

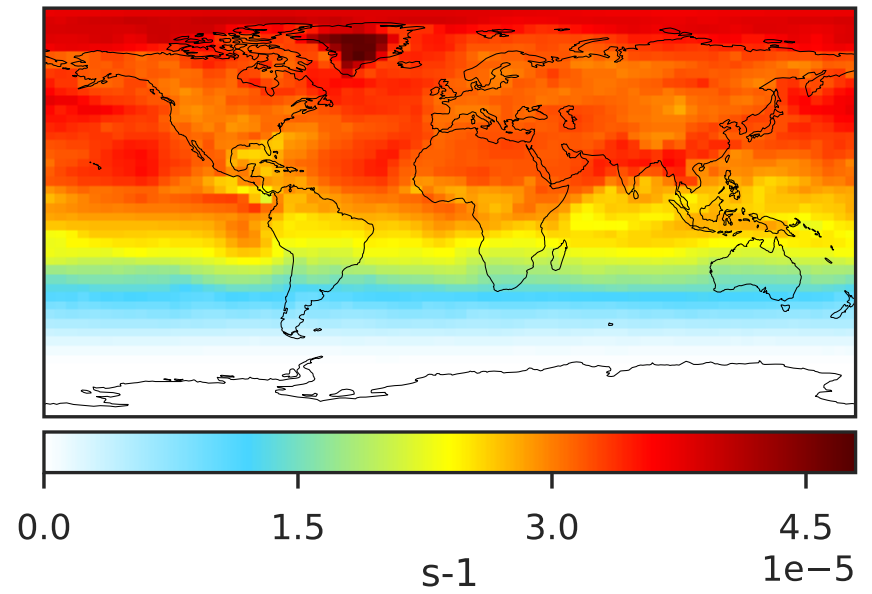


Jval_MACR100H (Jul2019)

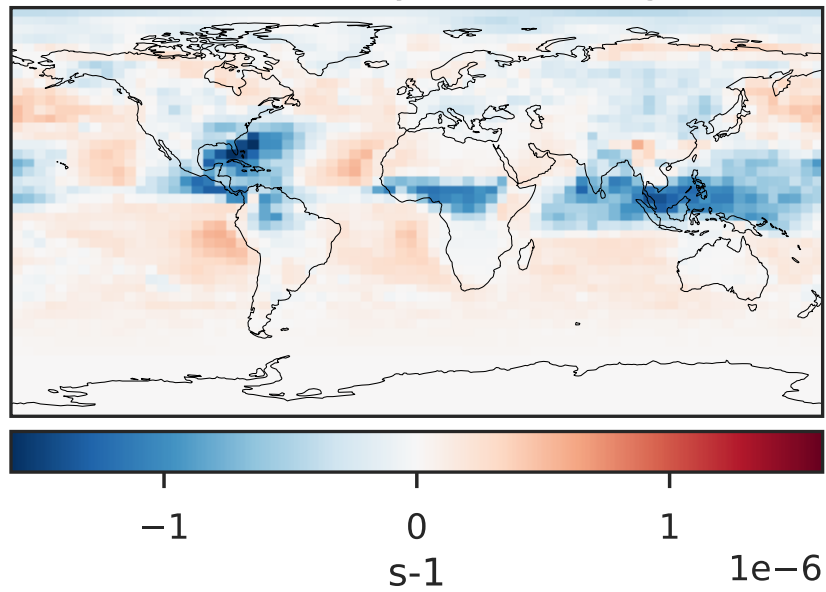
14.2.0-rc.2 (Ref)
4.0x5.0



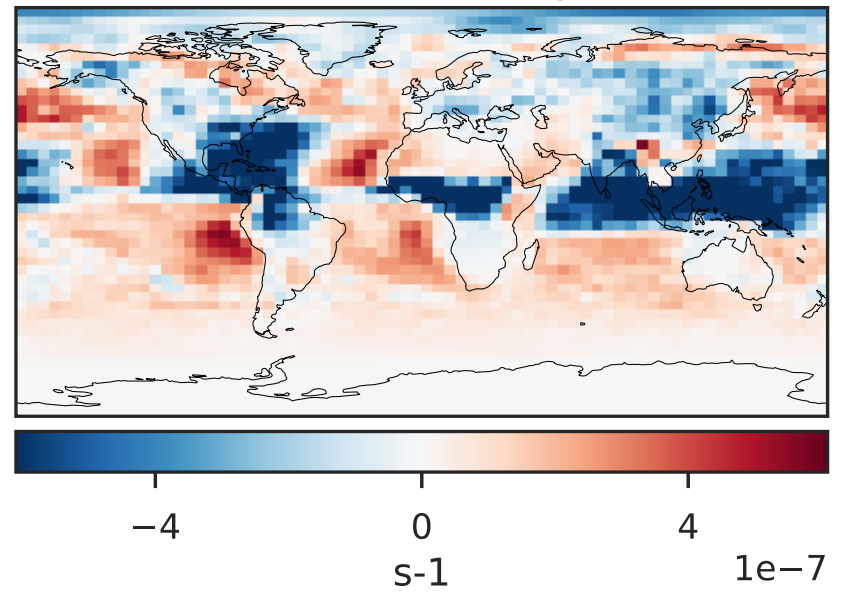
14.3.0-rc.0 (Dev)
4.0x5.0



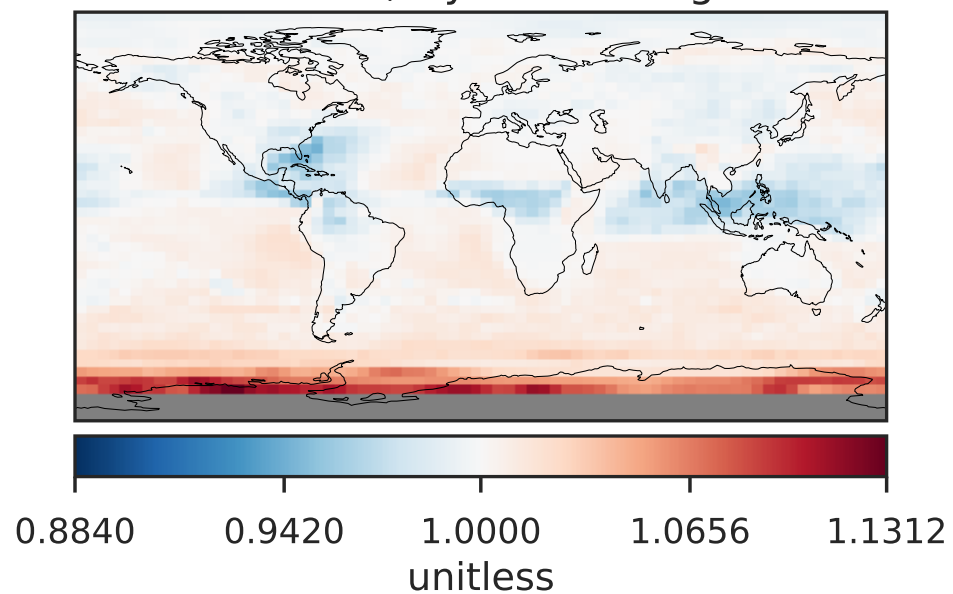
Difference
Dev - Ref, Dynamic Range



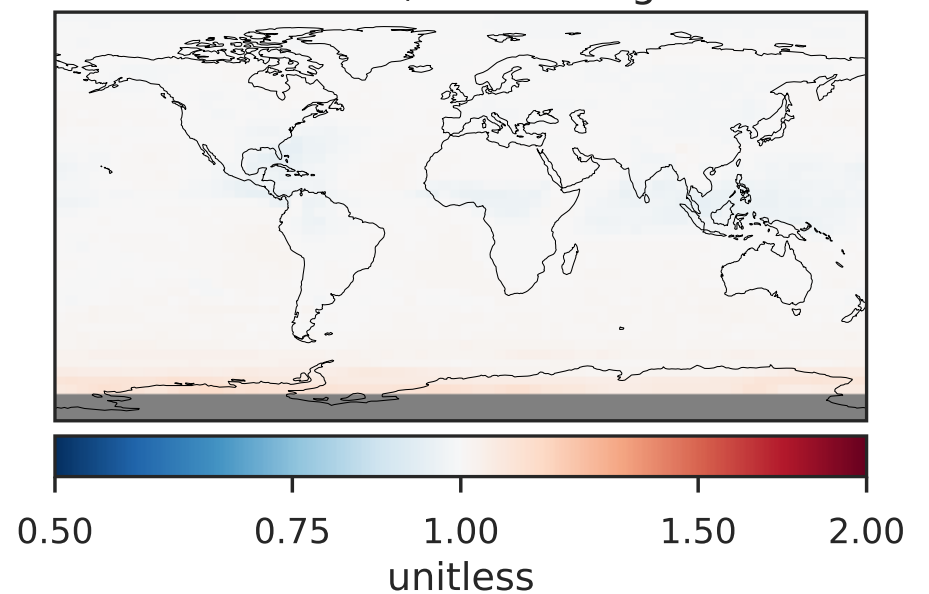
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

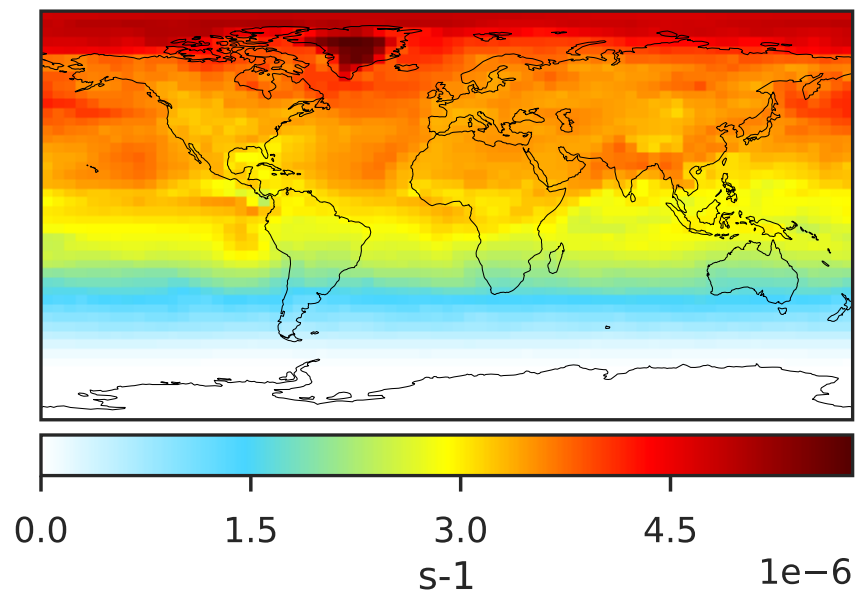


Ratio
Dev/Ref, Fixed Range

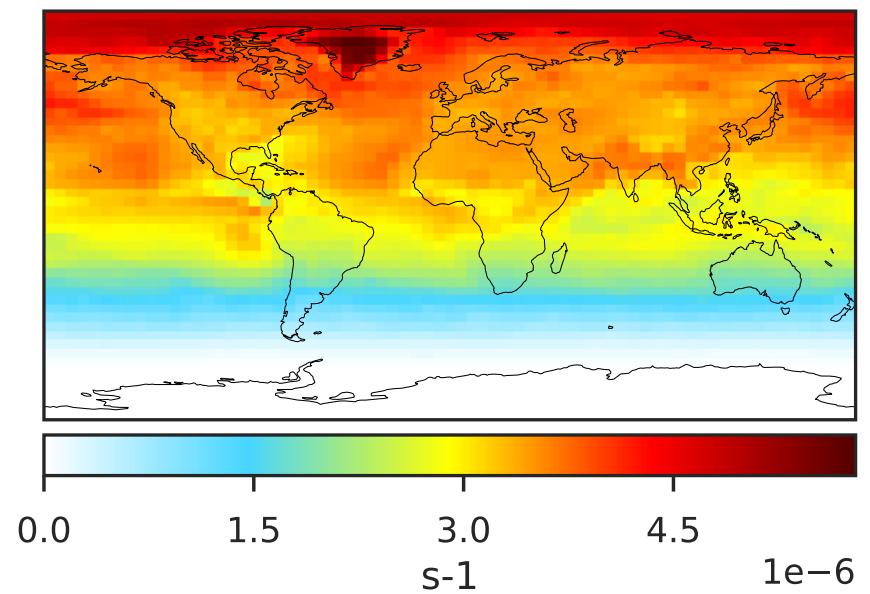


Jval_MAP (Jul2019)

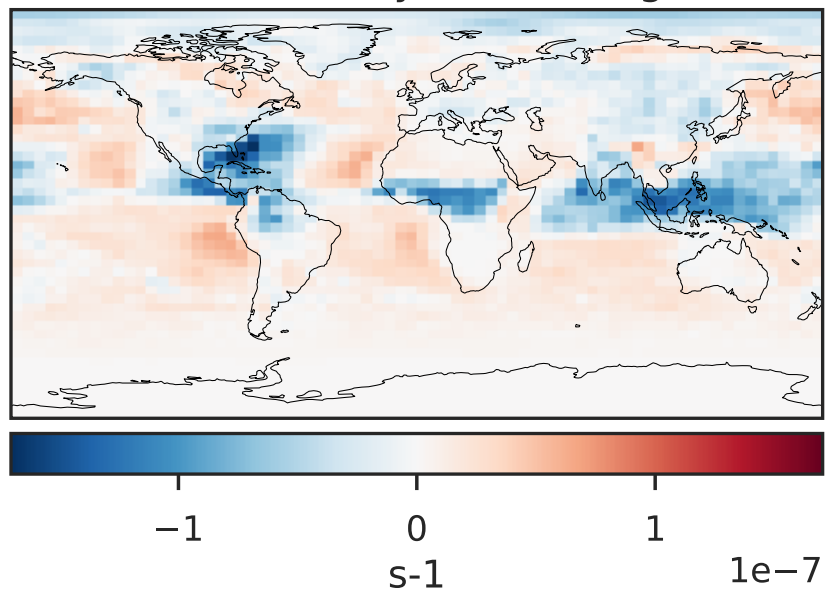
14.2.0-rc.2 (Ref)
4.0x5.0



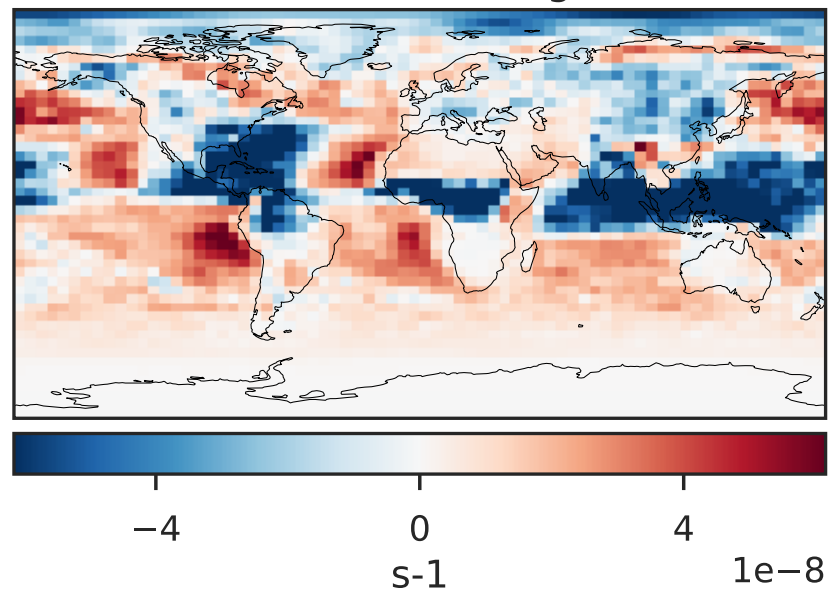
14.3.0-rc.0 (Dev)
4.0x5.0



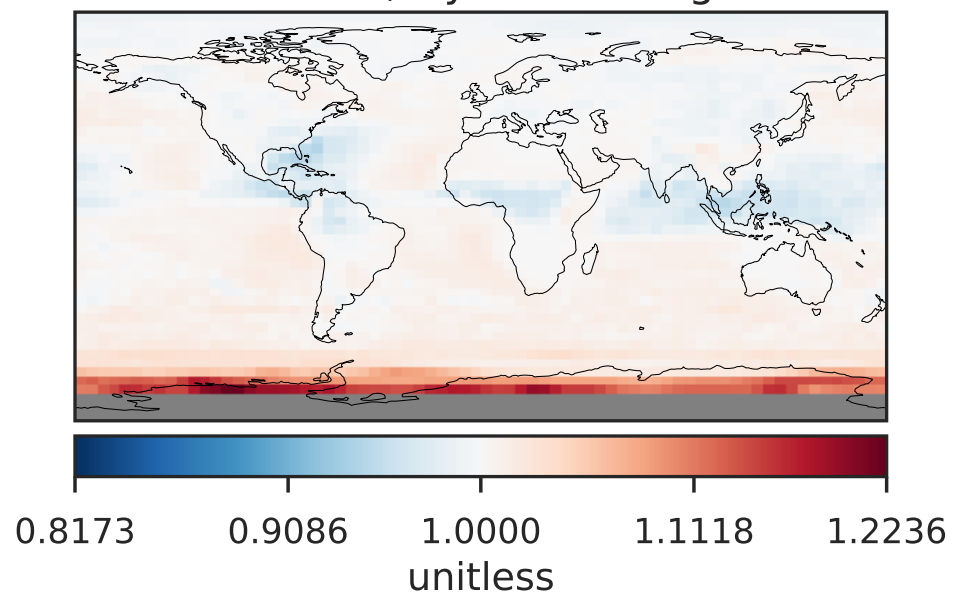
Difference
Dev - Ref, Dynamic Range



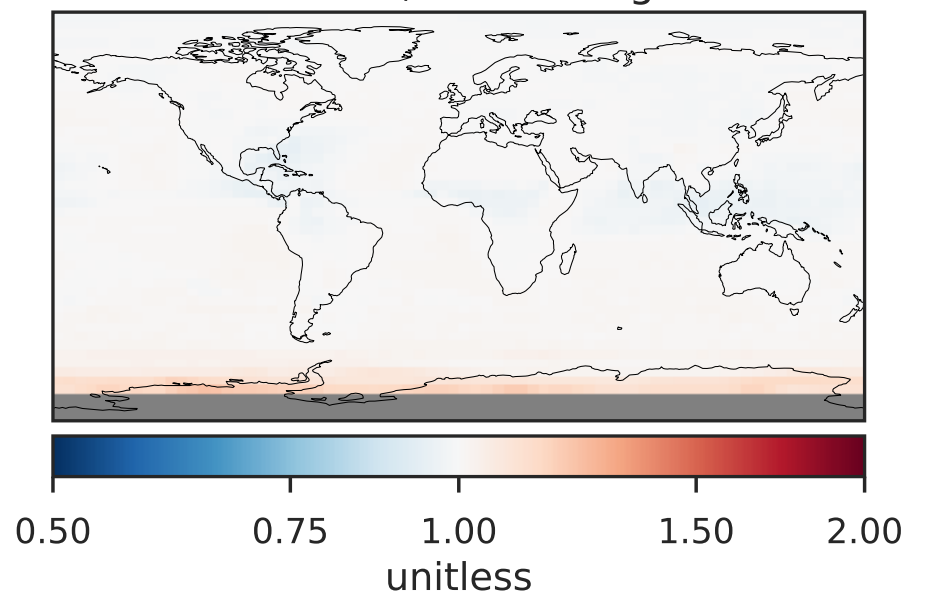
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

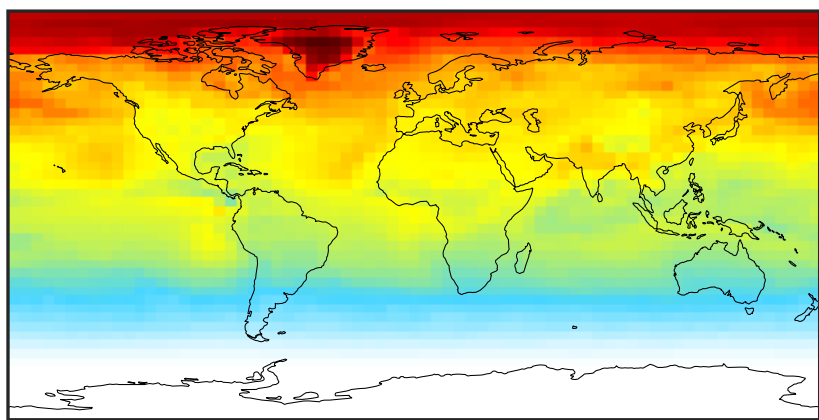


Ratio
Dev/Ref, Fixed Range



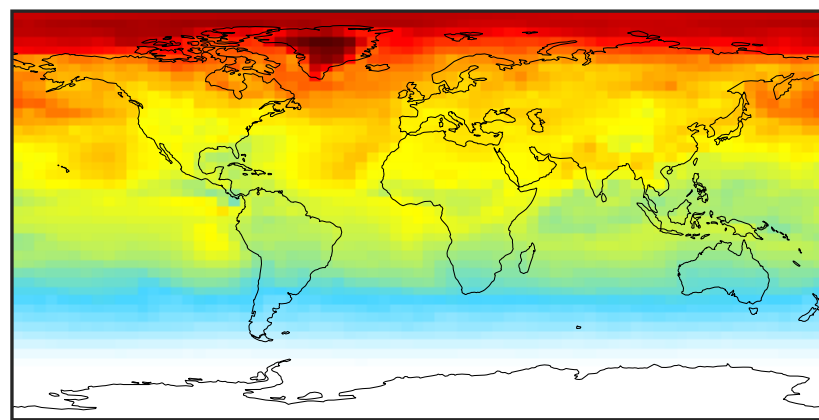
Jval_MCRENOL (Jul2019)

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



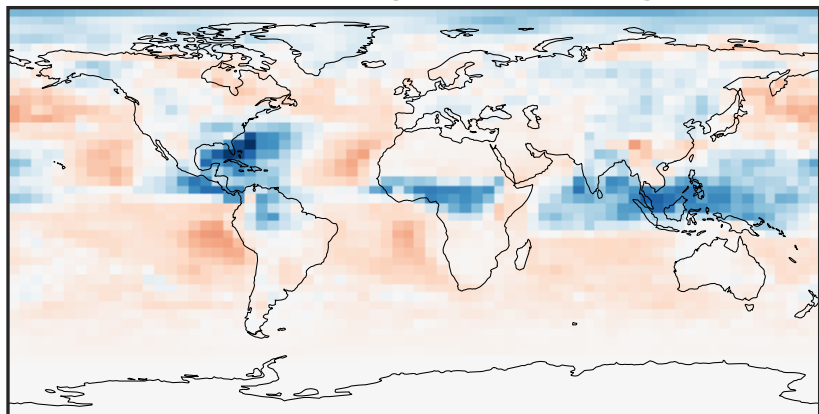
0.0000 0.0001 0.0002 0.0003
s-1

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



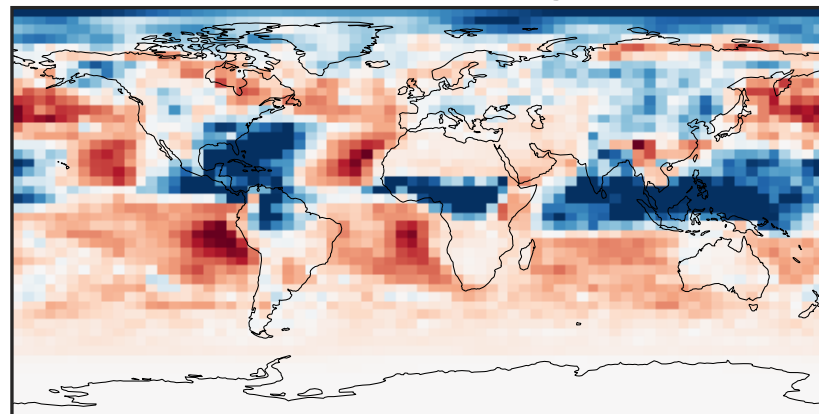
0.0000 0.0001 0.0002 0.0003
s-1

Difference
Dev - Ref, Dynamic Range



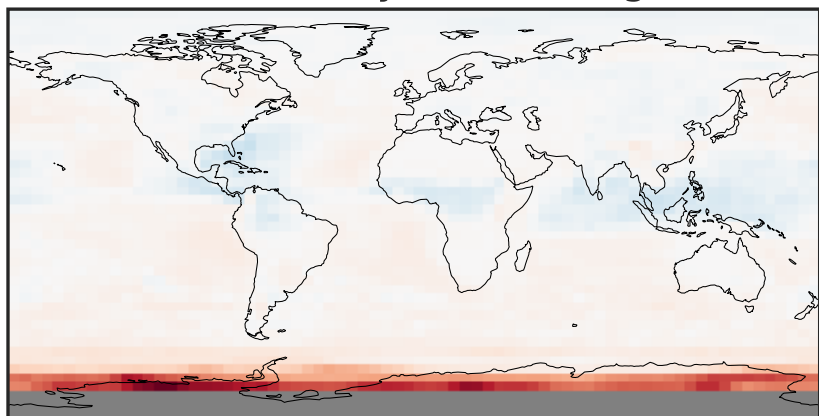
-5 0 5
s-1 1e-6

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



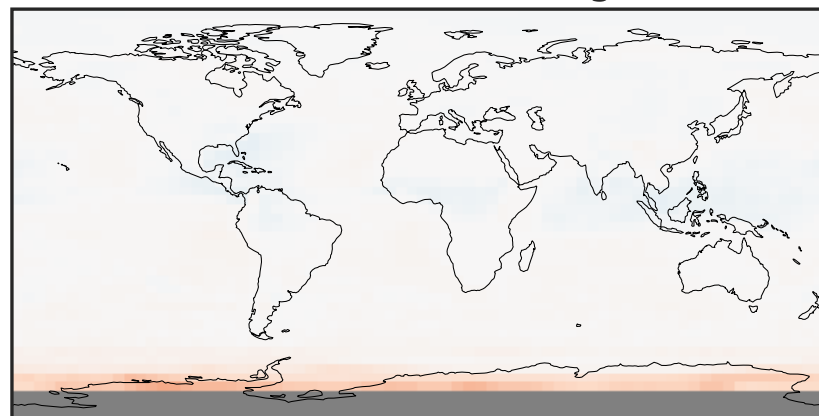
-2 0 2
s-1 1e-6

Ratio
Dev/Ref, Dynamic Range



0.7705 0.8853 1.0000 1.1489 1.2978
unitless

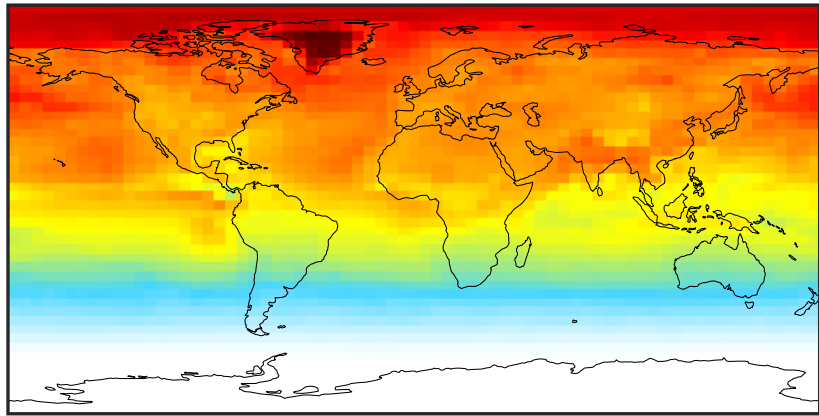
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

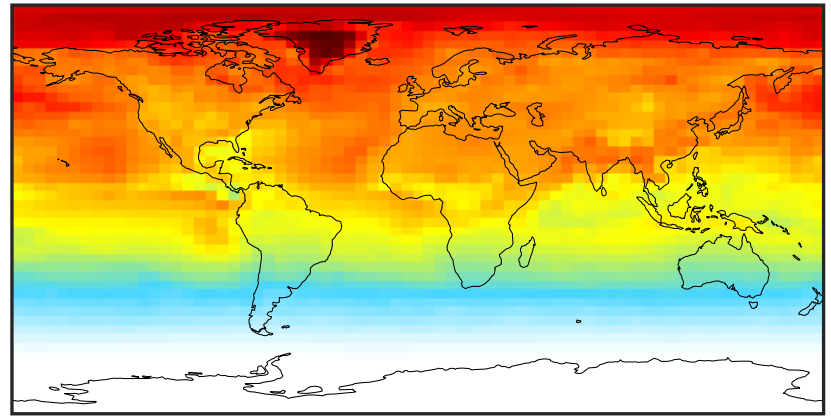
Jval_MCRHN (Jul2019)

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



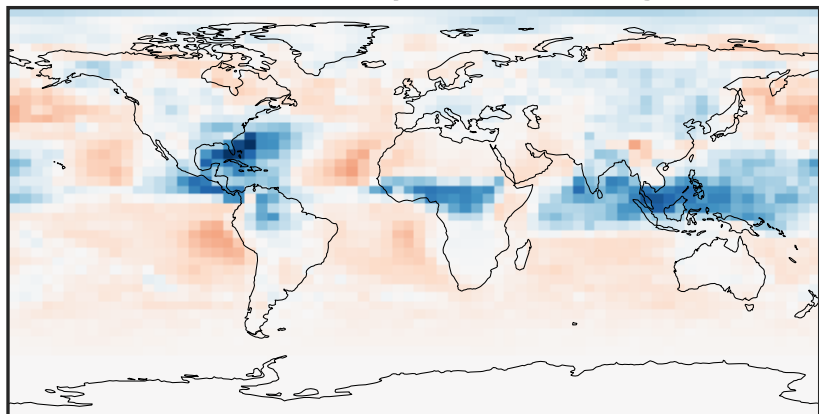
0.0000 0.0001 0.0002 0.0003
s-1

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



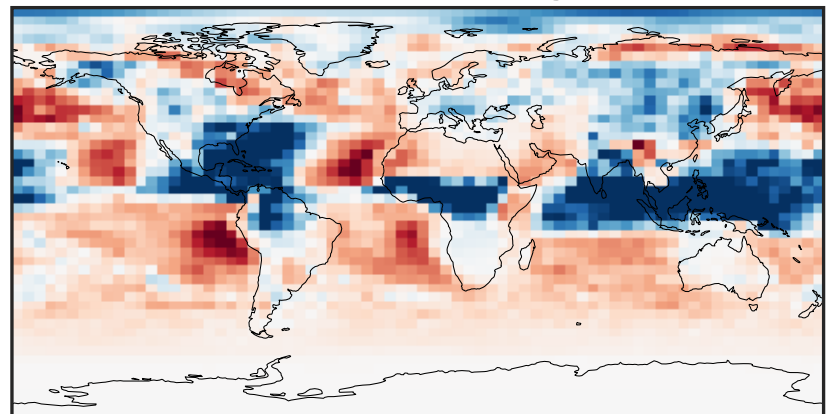
0.0000 0.0001 0.0002 0.0003
s-1

Difference
Dev - Ref, Dynamic Range



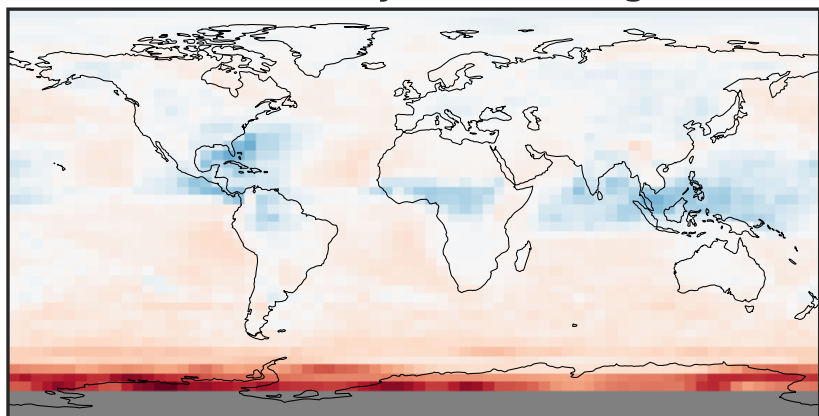
-6 0 6
s-1 1e-6

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



-2 0 2
s-1 1e-6

Ratio
Dev/Ref, Dynamic Range



0.8879 0.9439 1.0000 1.0631 1.1263
unitless

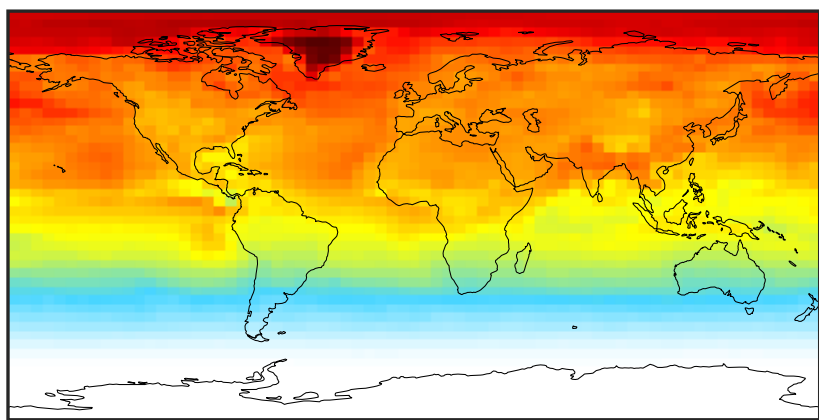
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

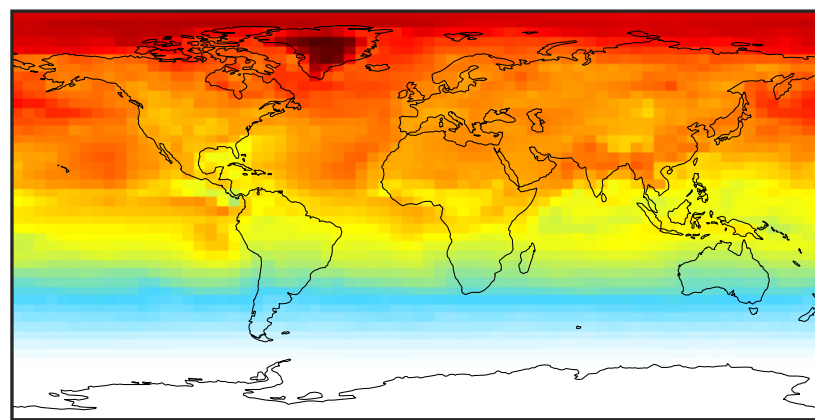
Jval_MCRHNB (Jul2019)

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



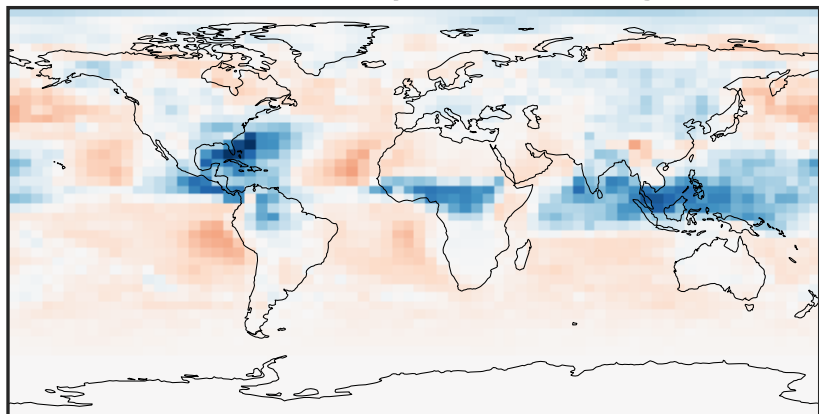
0.0 2.5 5.0 7.5
s-1 $1e-5$

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



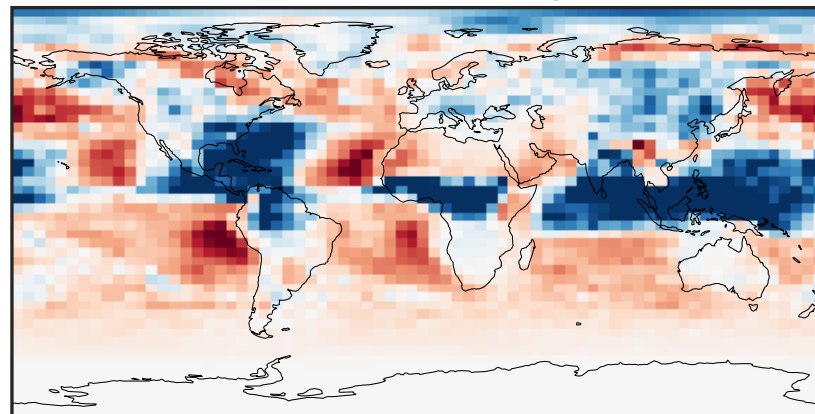
0.0 2.5 5.0 7.5
s-1 $1e-5$

Difference
Dev - Ref, Dynamic Range



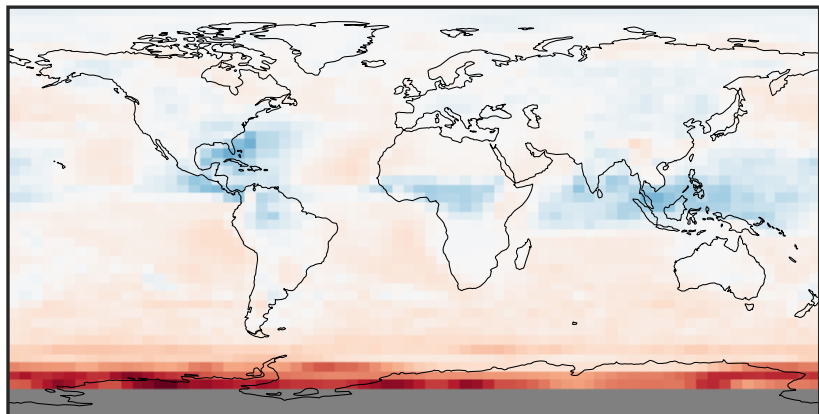
-1.5 0.0 1.5
s-1 $1e-6$

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



-5 0 5
s-1 $1e-7$

Ratio
Dev/Ref, Dynamic Range



0.8865 0.9433 1.0000 1.0640 1.1280
unitless

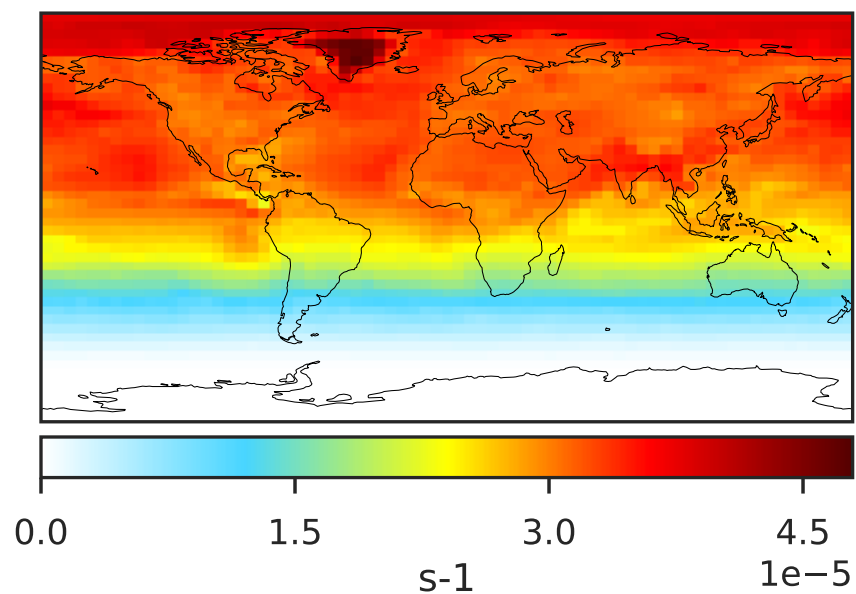
Ratio
Dev/Ref, Fixed Range



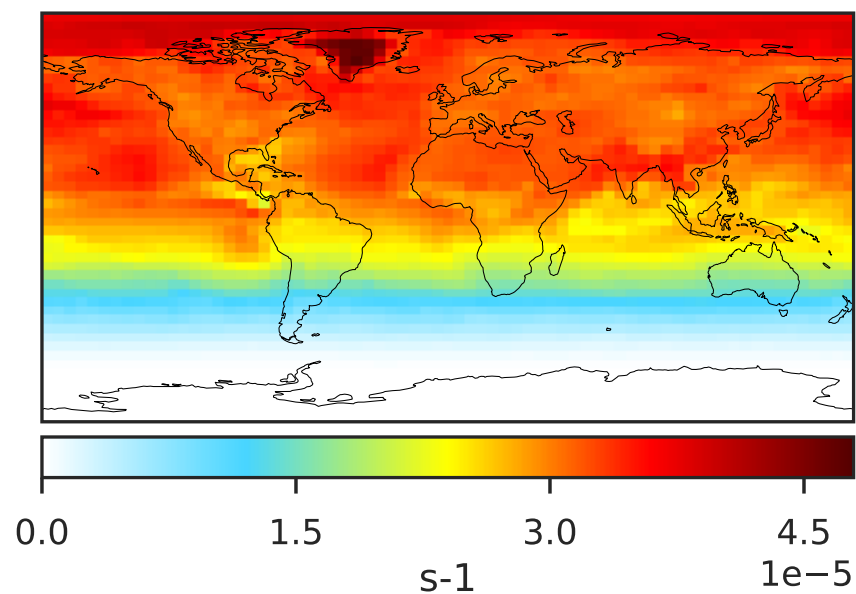
0.50 0.75 1.00 1.50 2.00
unitless

Jval_MCRHP (Jul2019)

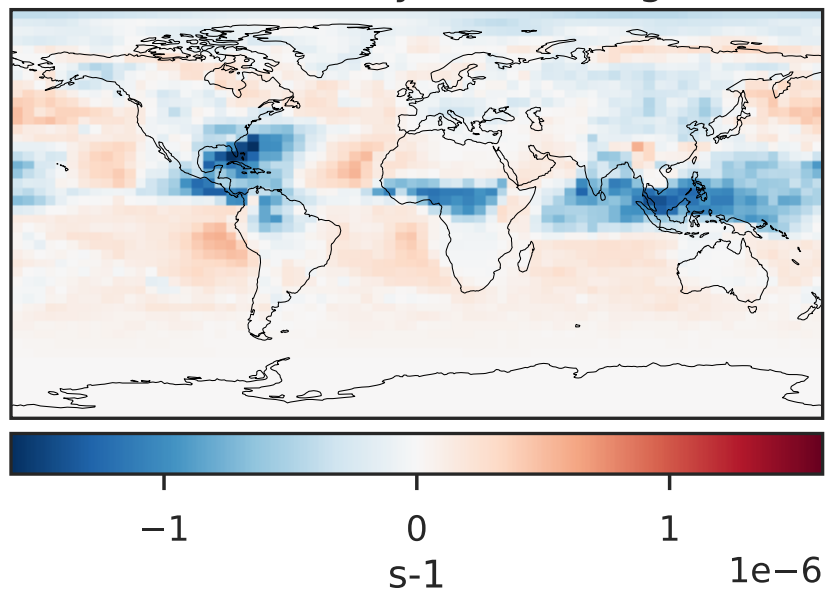
14.2.0-rc.2 (Ref)
4.0x5.0



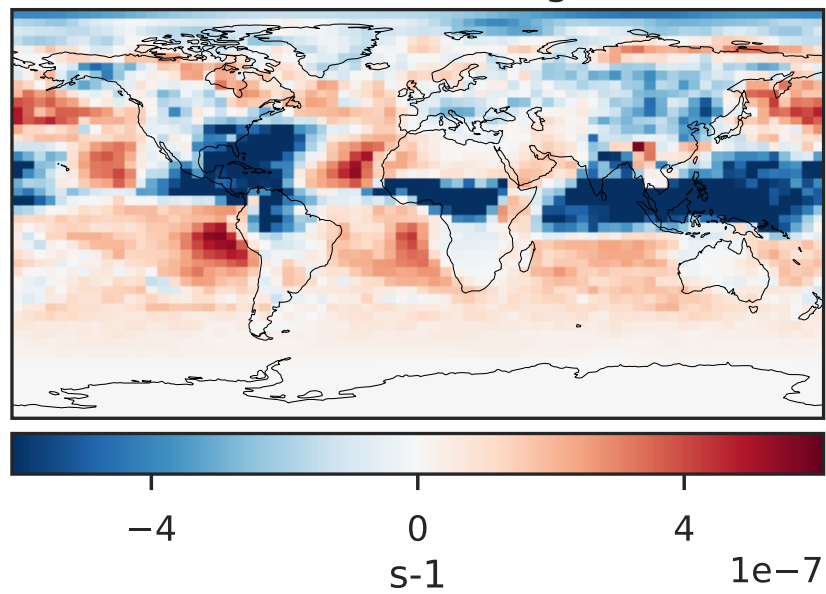
14.3.0-rc.0 (Dev)
4.0x5.0



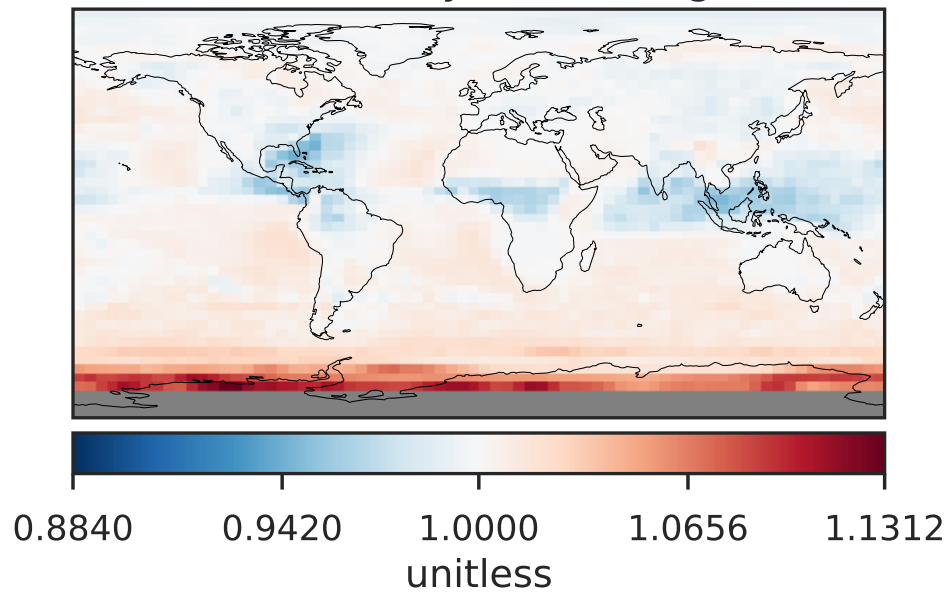
Difference
Dev - Ref, Dynamic Range



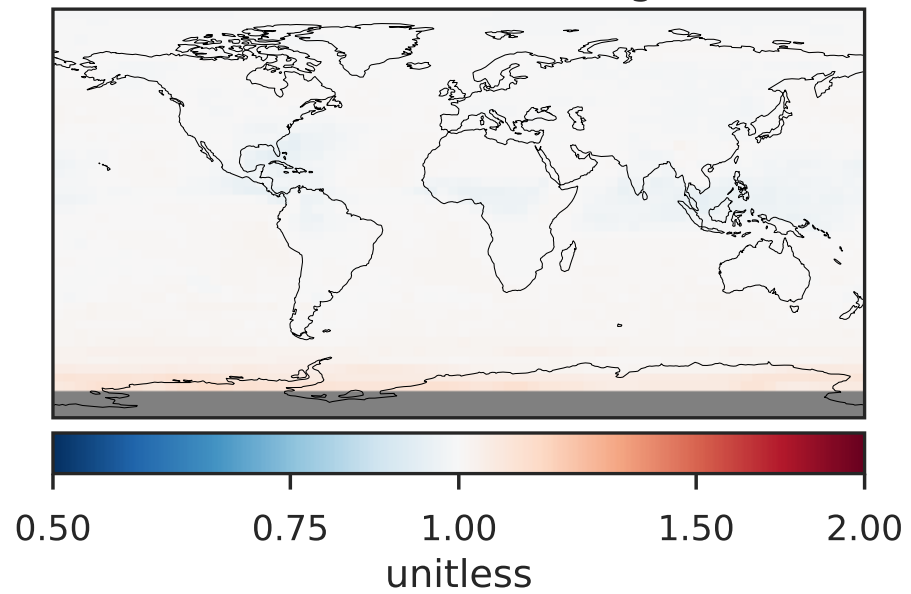
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

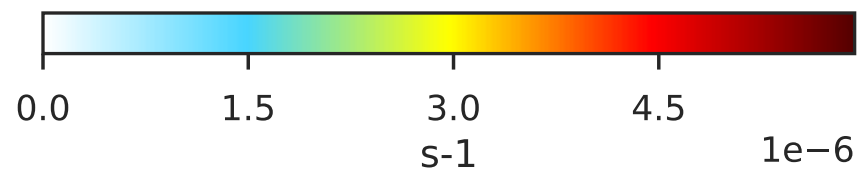
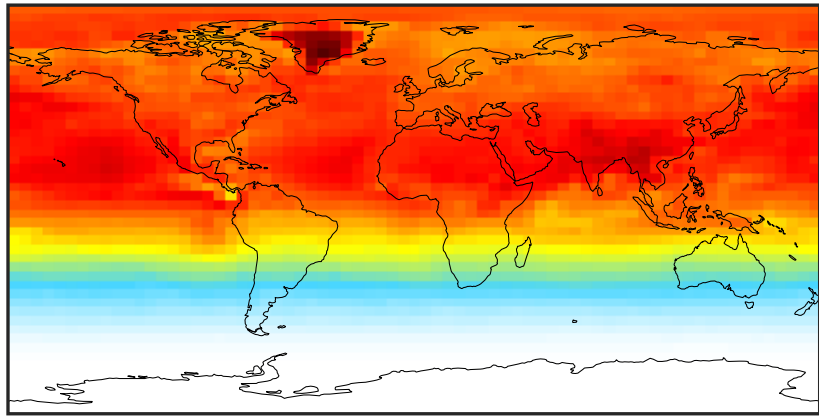


Ratio
Dev/Ref, Fixed Range

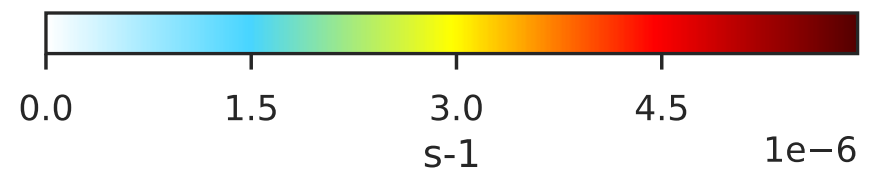
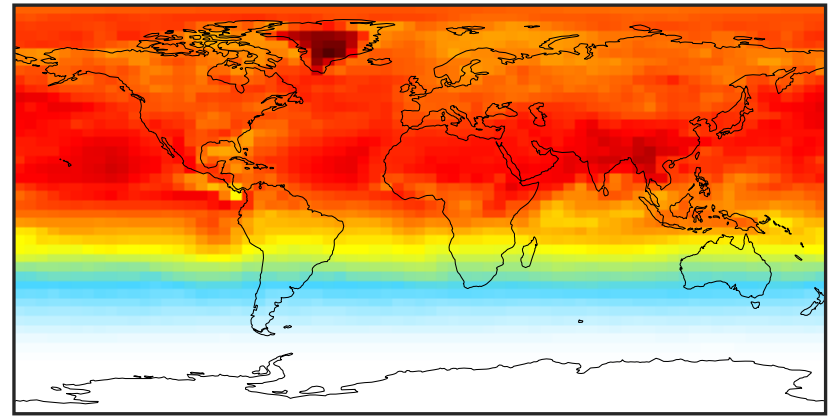


Jval_MEK (Jul2019)

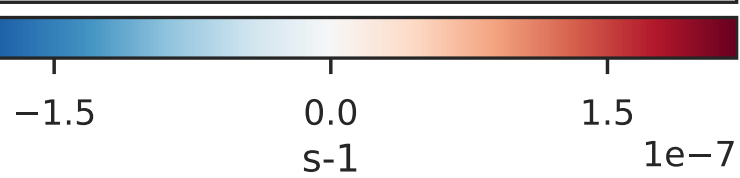
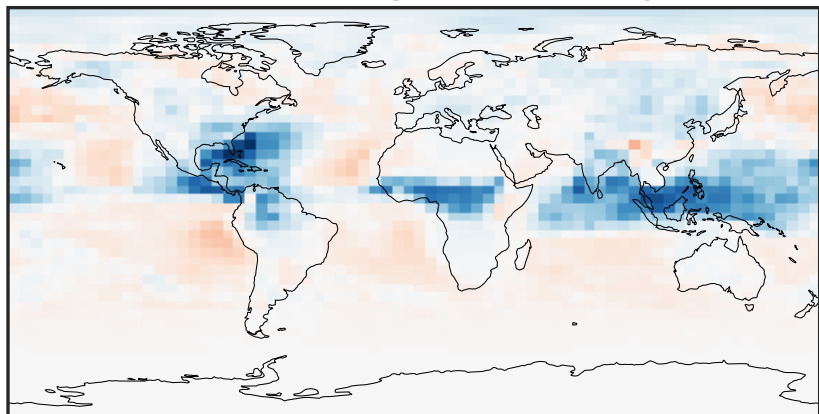
14.2.0-rc.2 (Ref)
4.0x5.0



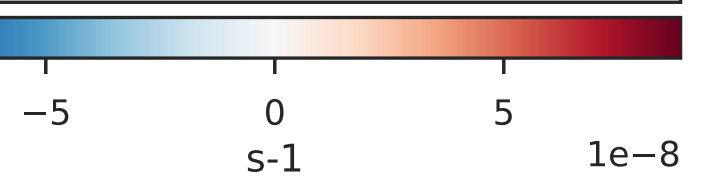
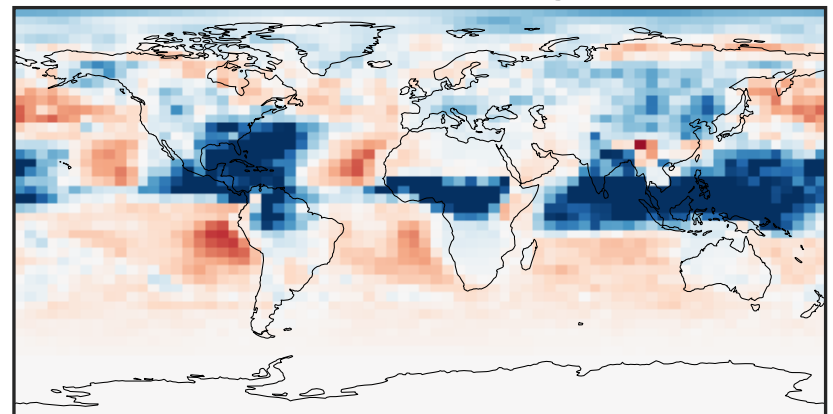
14.3.0-rc.0 (Dev)
4.0x5.0



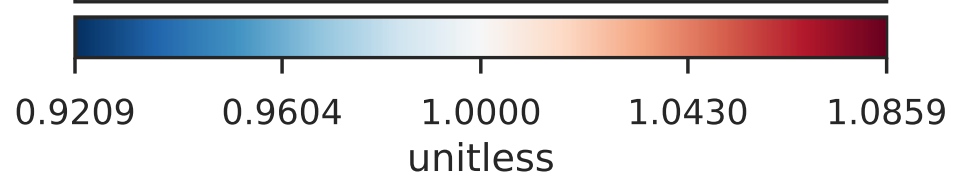
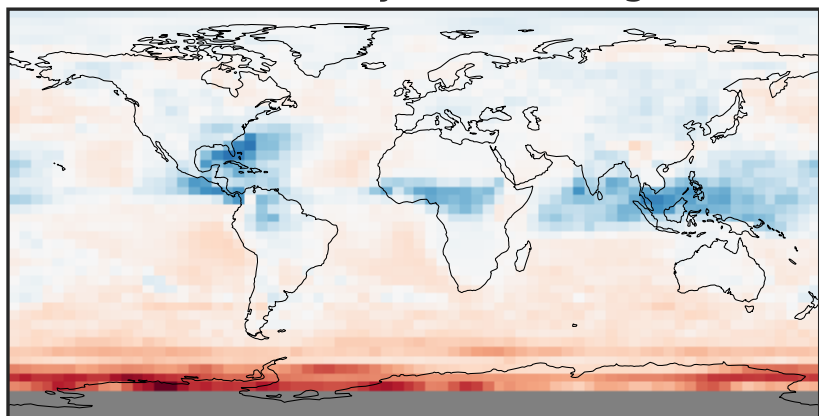
Difference
Dev - Ref, Dynamic Range



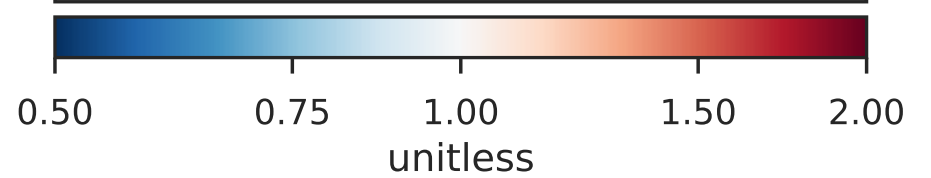
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

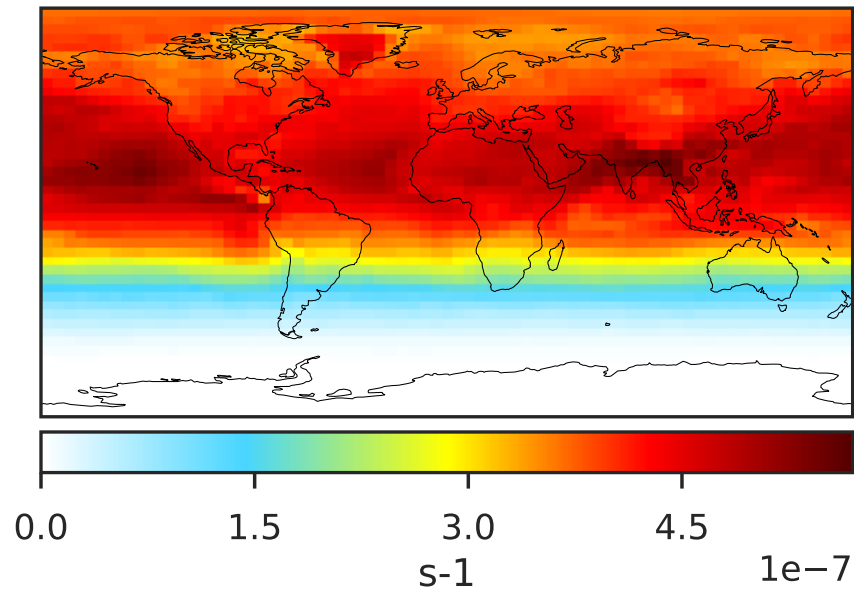


Ratio
Dev/Ref, Fixed Range

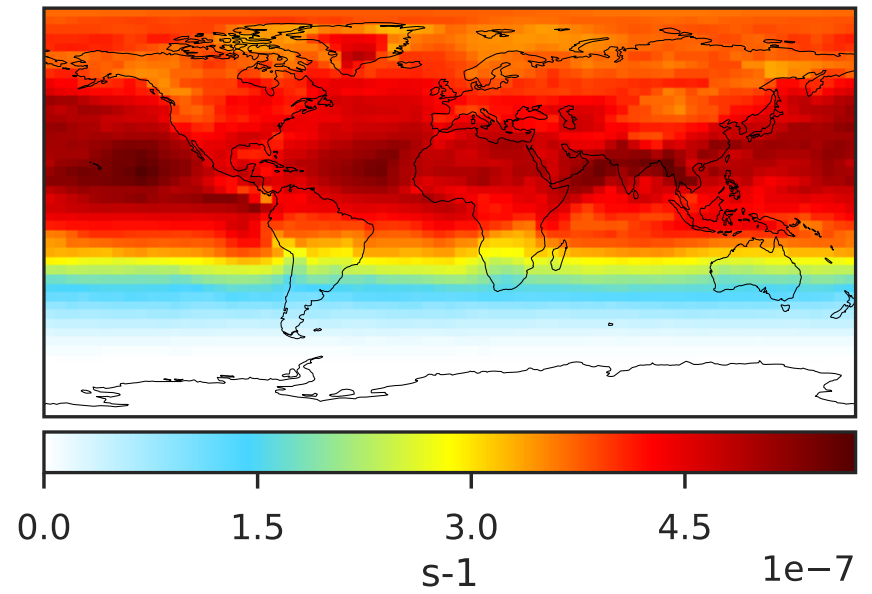


Jval_MENO3 (Jul2019)

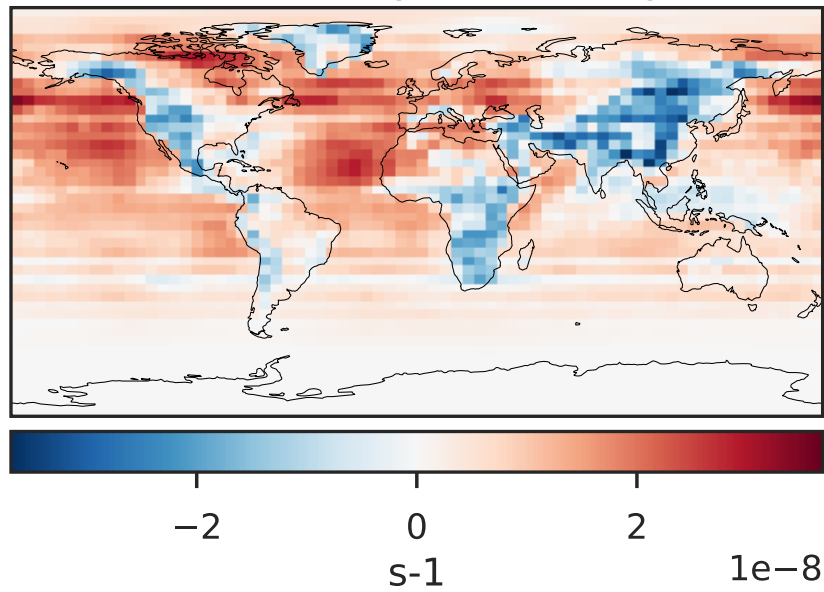
14.2.0-rc.2 (Ref)
4.0x5.0



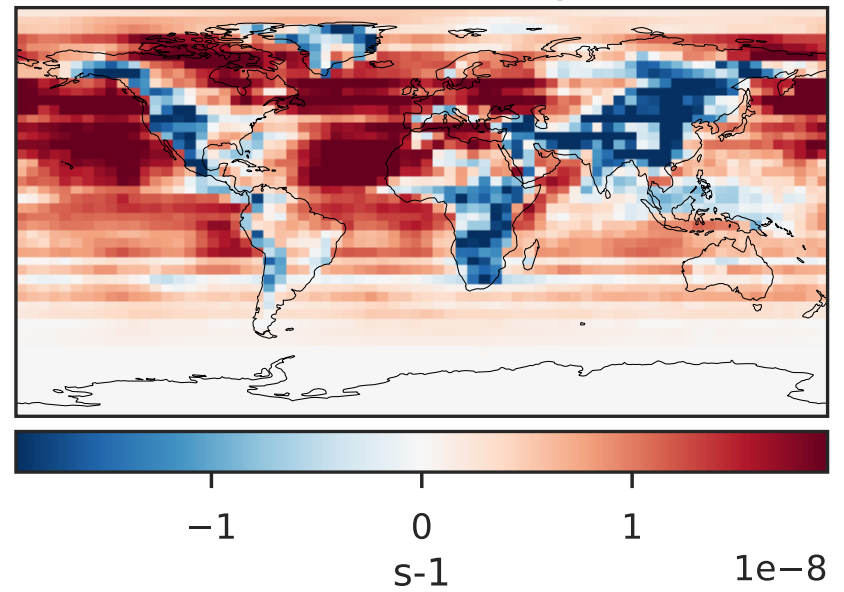
14.3.0-rc.0 (Dev)
4.0x5.0



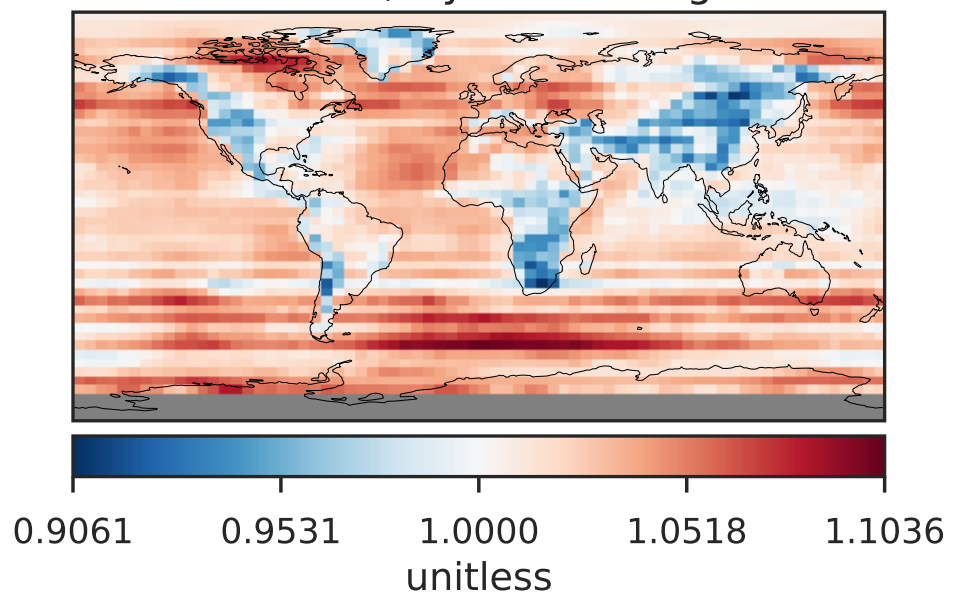
Difference
Dev - Ref, Dynamic Range



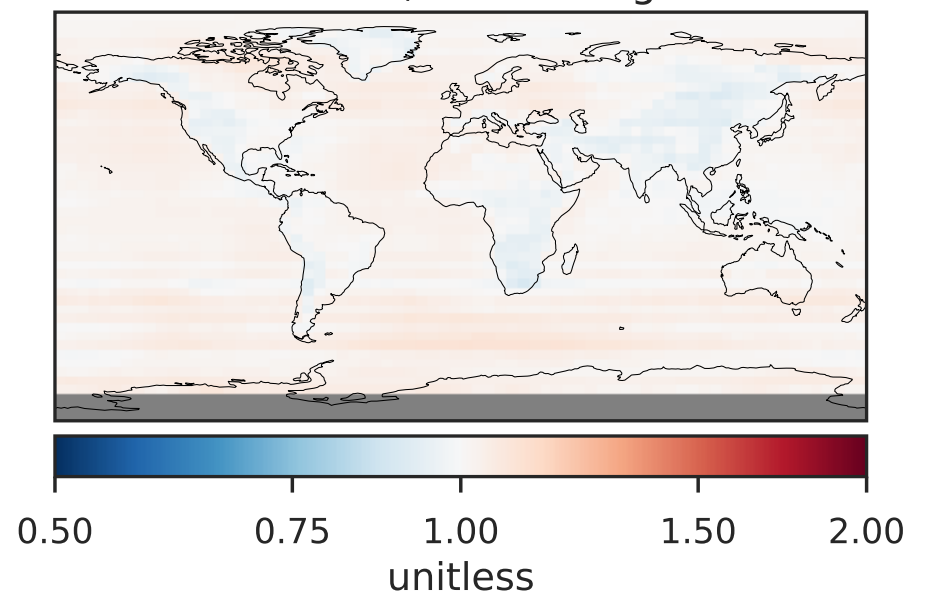
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

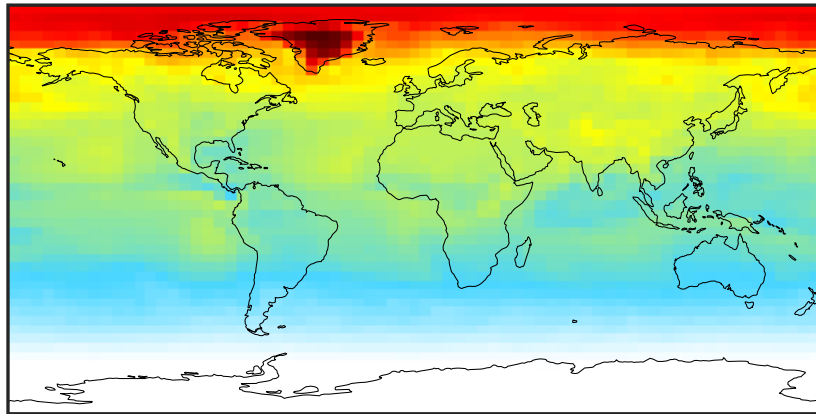


Ratio
Dev/Ref, Fixed Range



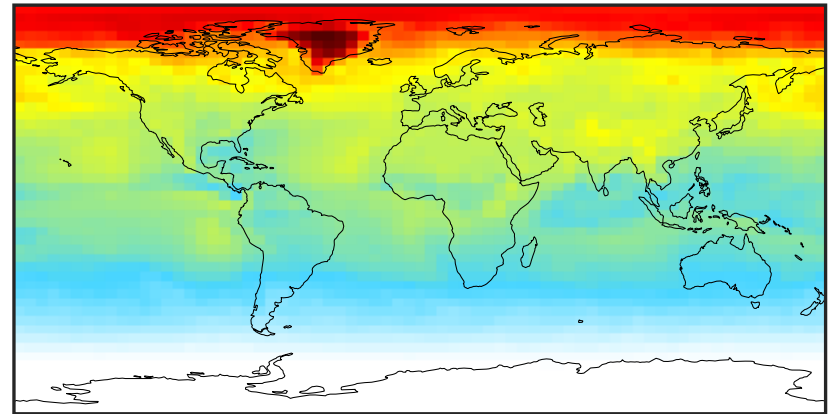
Jval_MGLY (Jul2019)

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



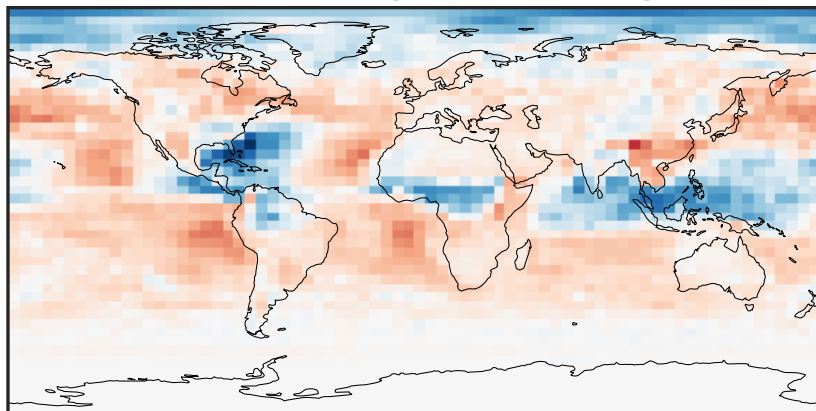
0.0000 0.0001 0.0002 0.0003
s-1

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



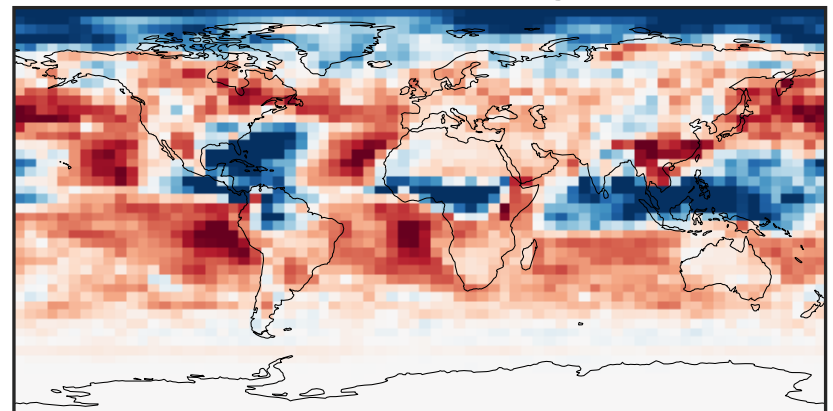
0.0000 0.0001 0.0002 0.0003
s-1

Difference
Dev - Ref, Dynamic Range



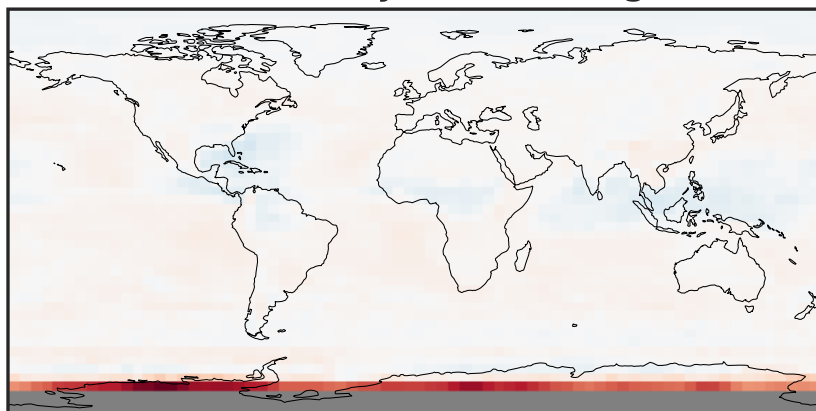
-4 0 4
s-1 1e-6

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



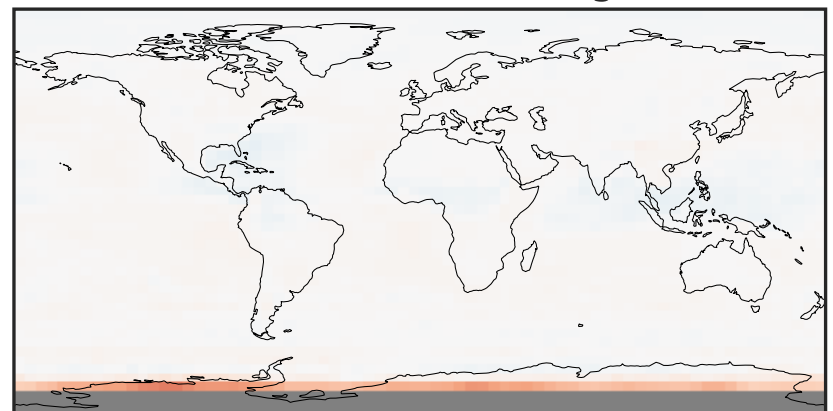
-2 0 2
s-1 1e-6

Ratio
Dev/Ref, Dynamic Range



0.7014 0.8507 1.000 1.2128 1.4256
unitless

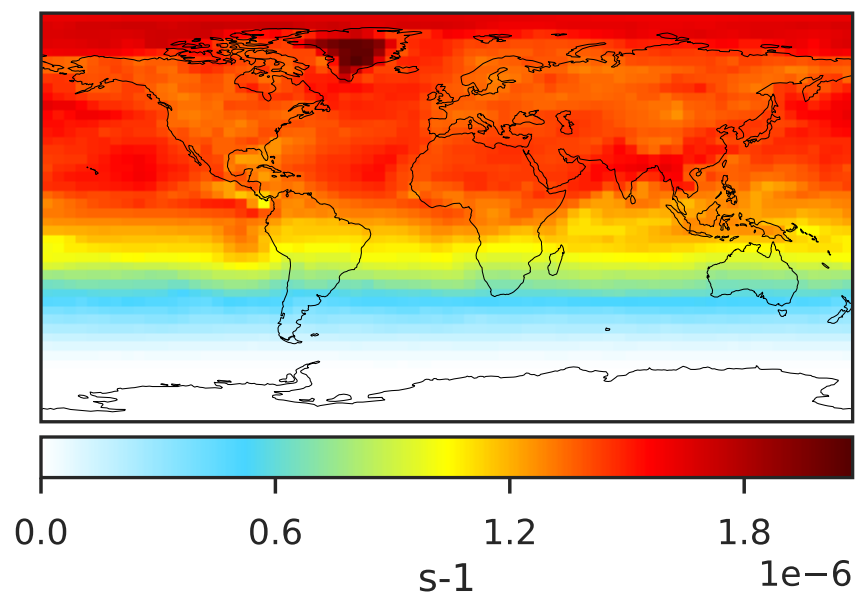
Ratio
Dev/Ref, Fixed Range



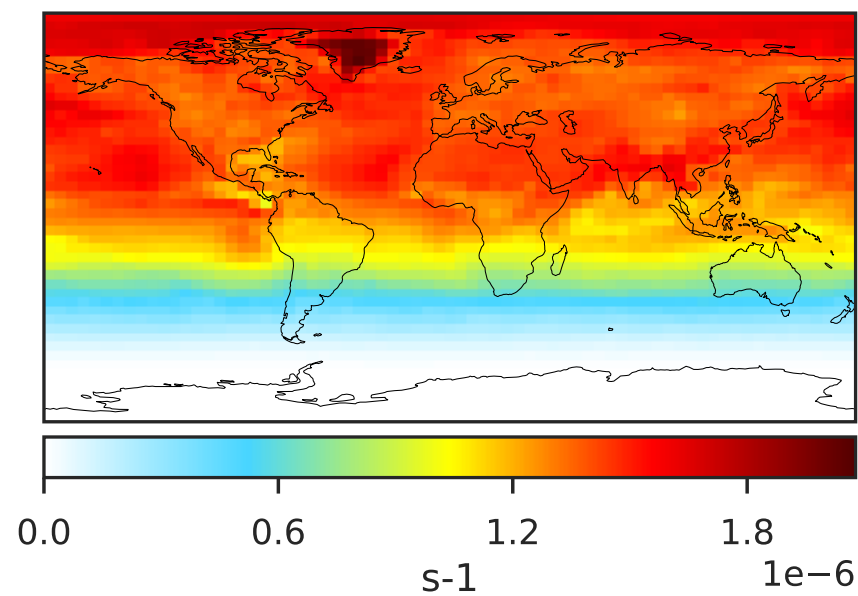
0.50 0.75 1.00 1.50 2.00
unitless

Jval_MONITS (Jul2019)

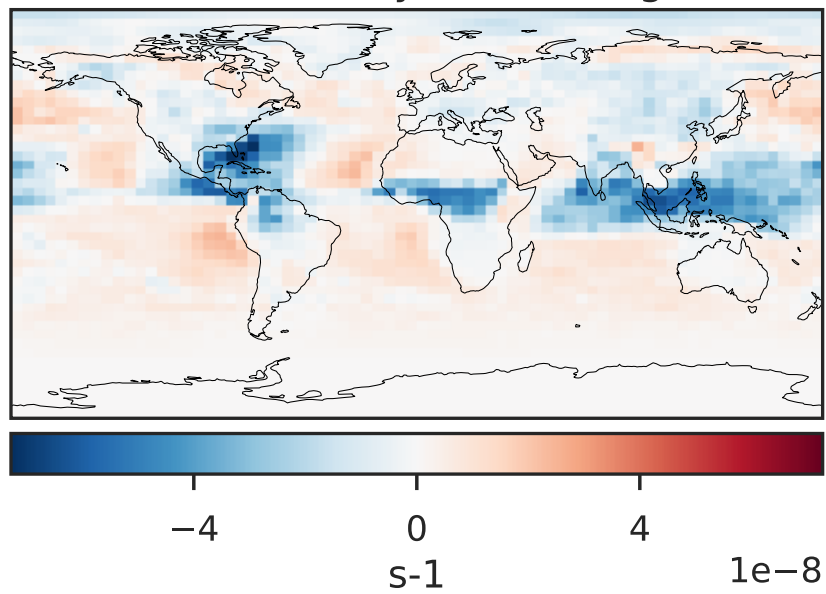
14.2.0-rc.2 (Ref)
4.0x5.0



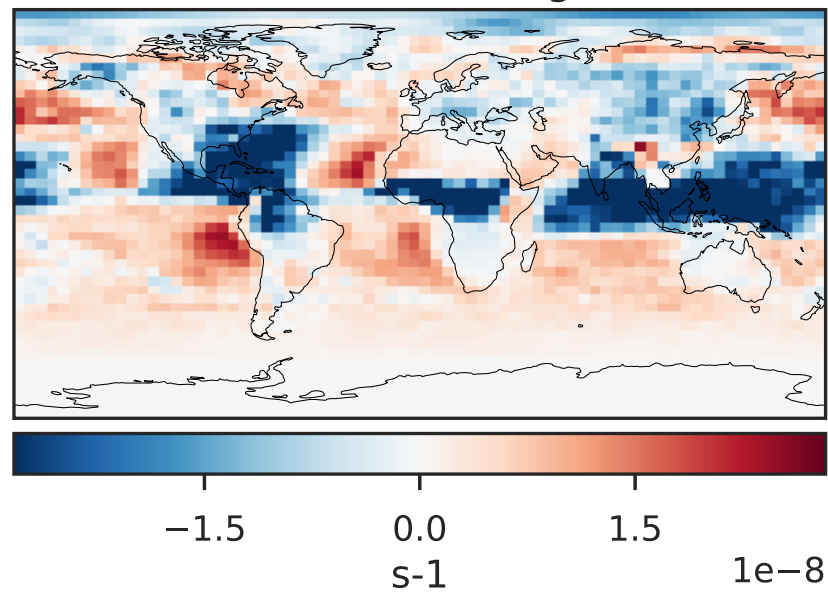
14.3.0-rc.0 (Dev)
4.0x5.0



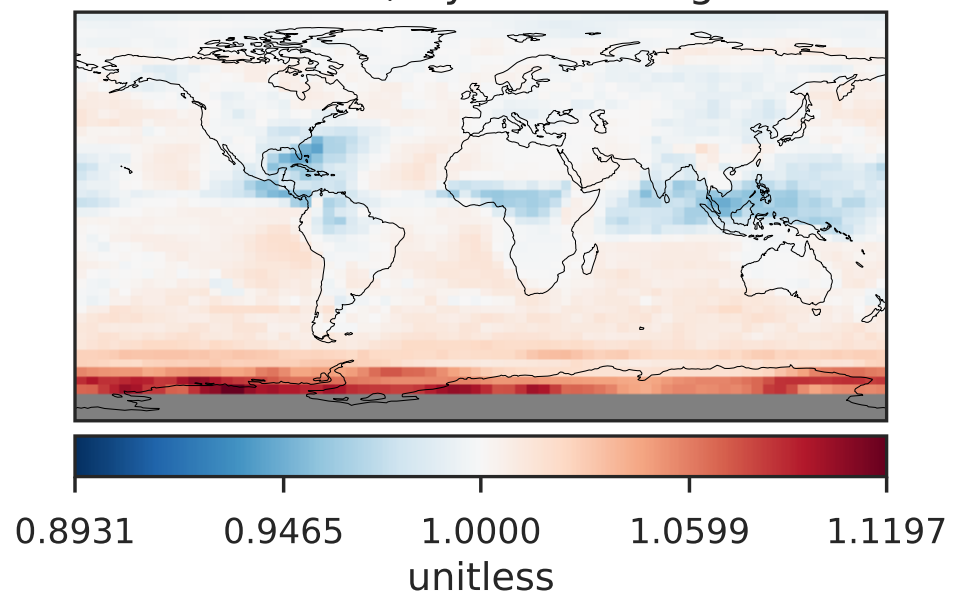
Difference
Dev - Ref, Dynamic Range



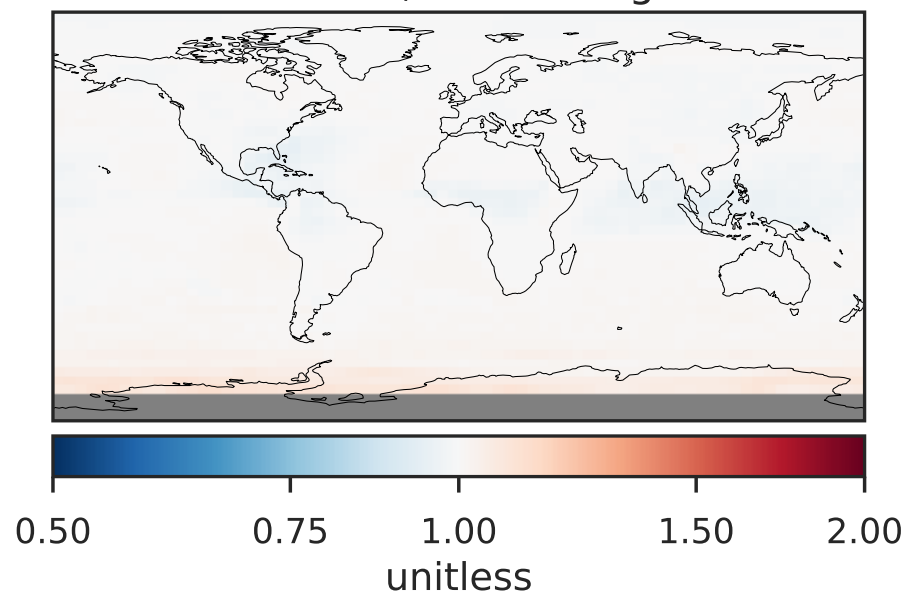
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

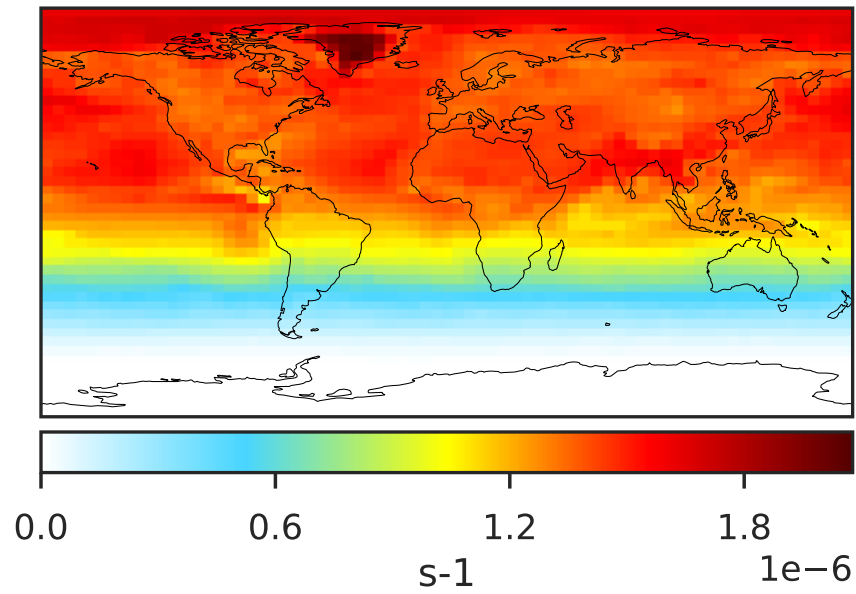


Ratio
Dev/Ref, Fixed Range

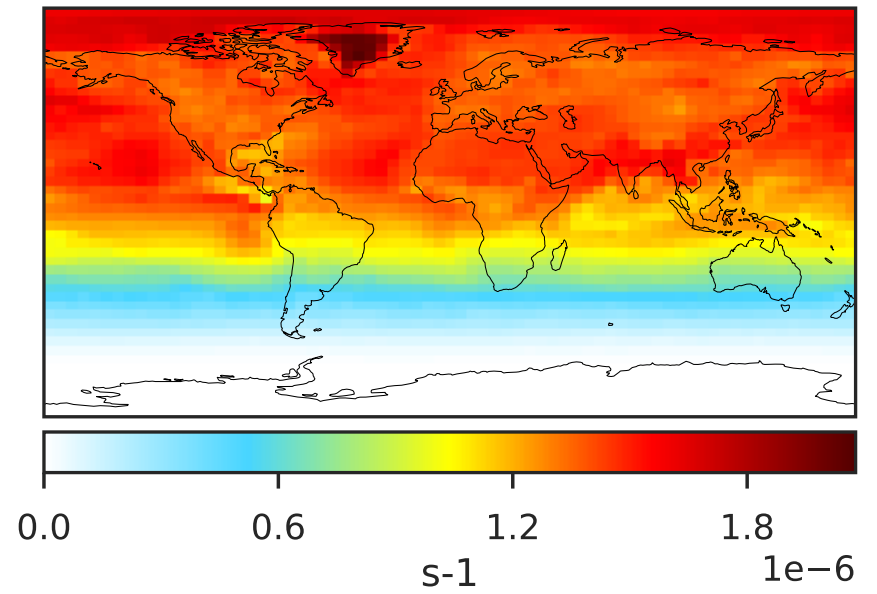


Jval_MONITU (Jul2019)

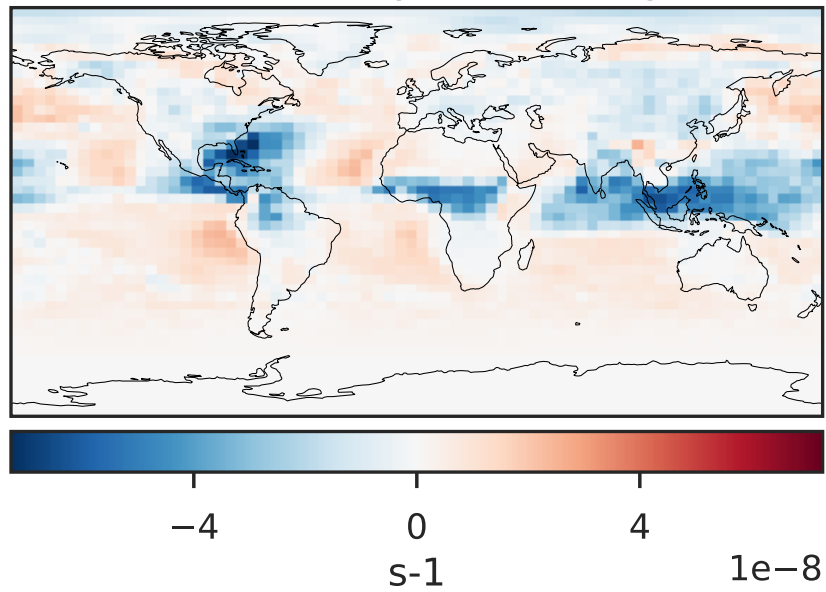
14.2.0-rc.2 (Ref)
4.0x5.0



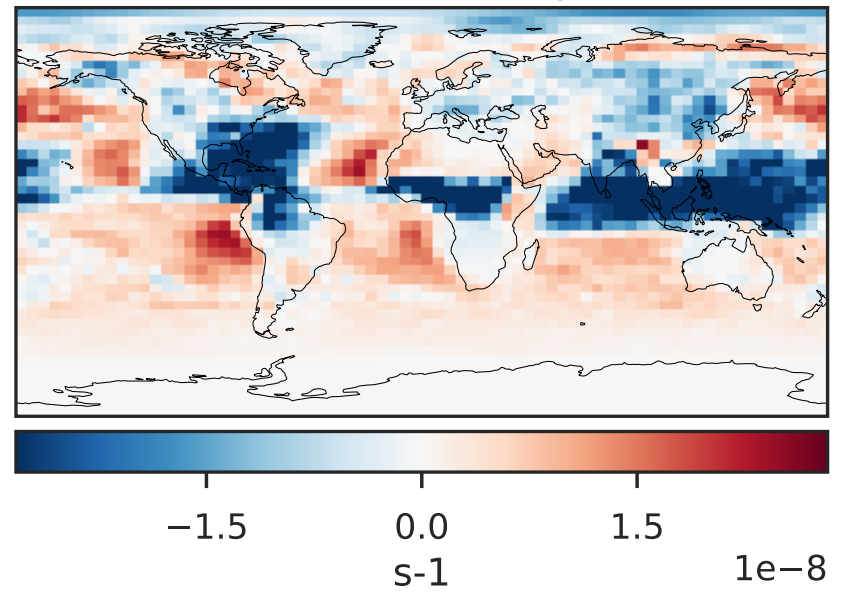
14.3.0-rc.0 (Dev)
4.0x5.0



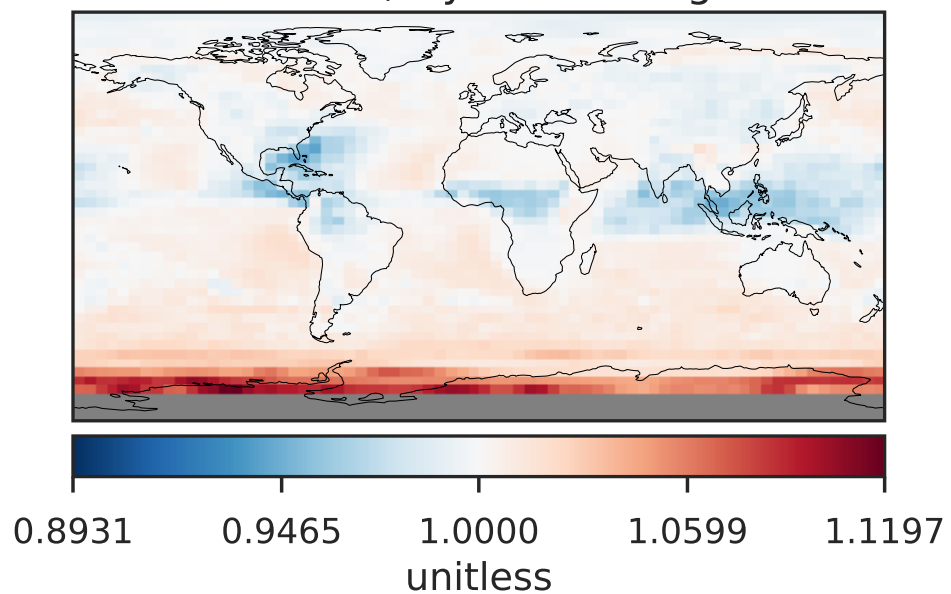
Difference
Dev - Ref, Dynamic Range



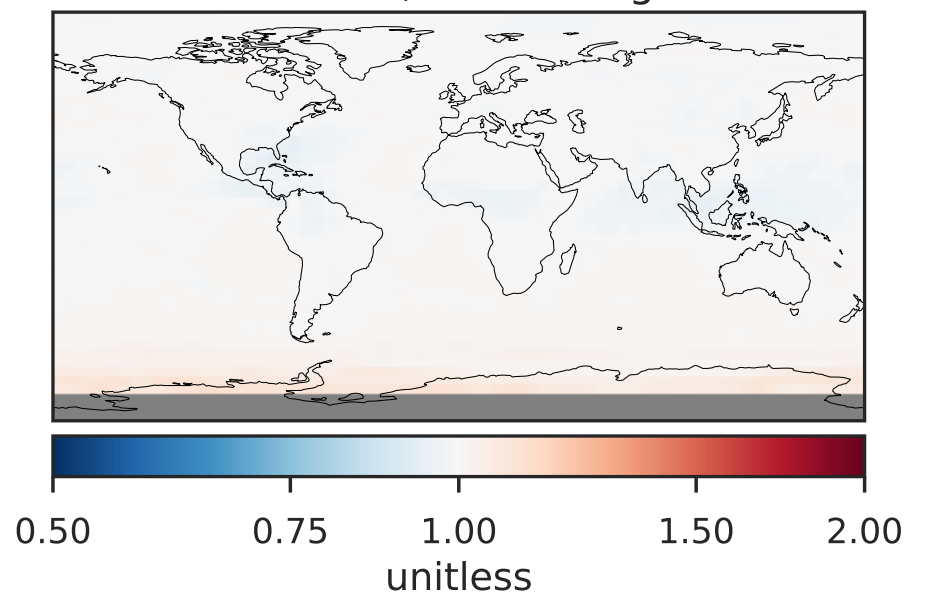
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

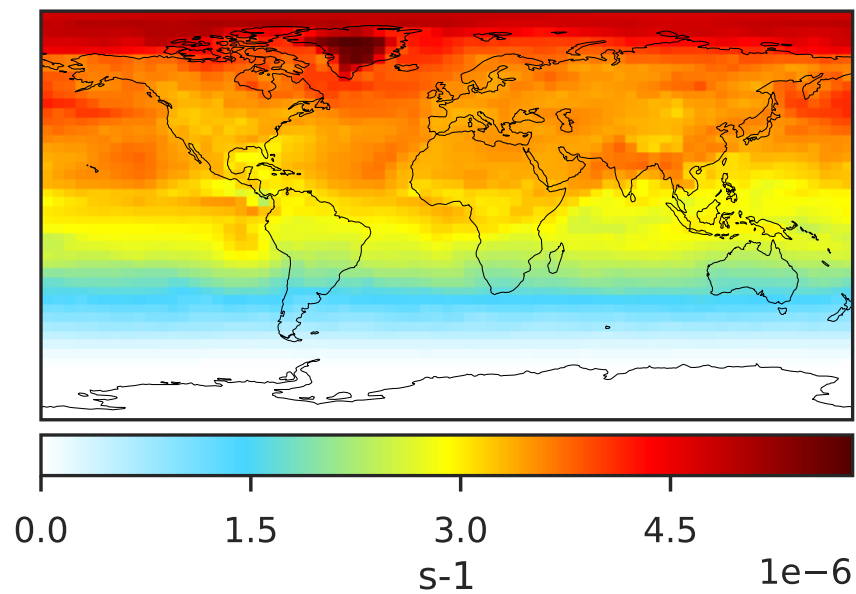


Ratio
Dev/Ref, Fixed Range

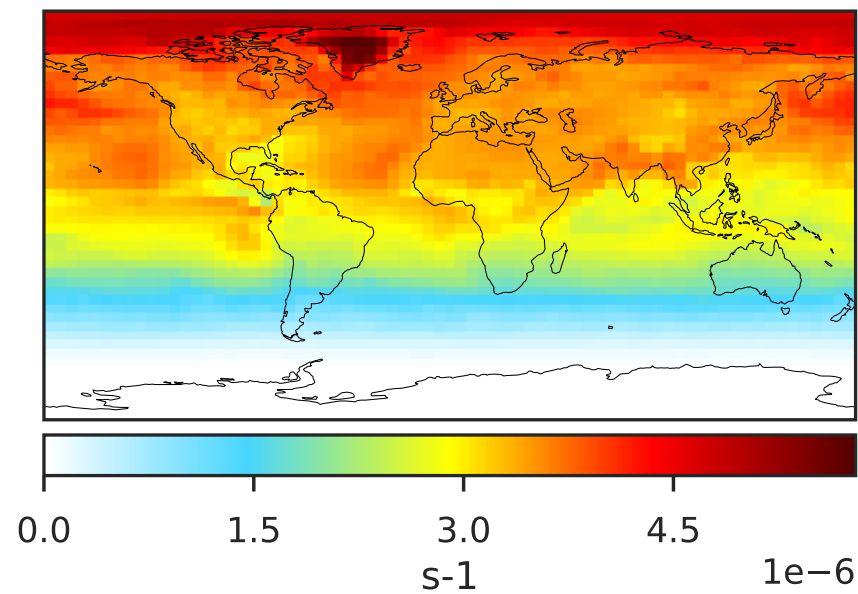


Jval_MP (Jul2019)

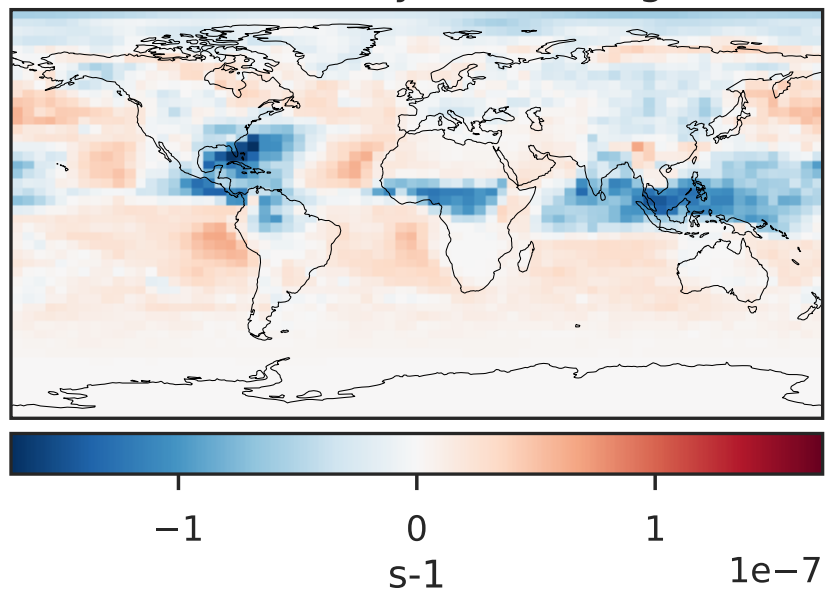
14.2.0-rc.2 (Ref)
4.0x5.0



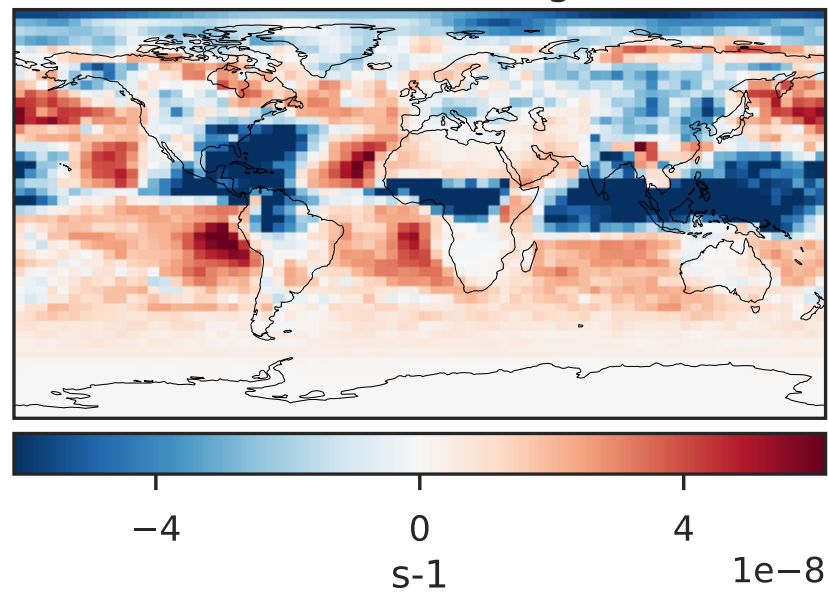
14.3.0-rc.0 (Dev)
4.0x5.0



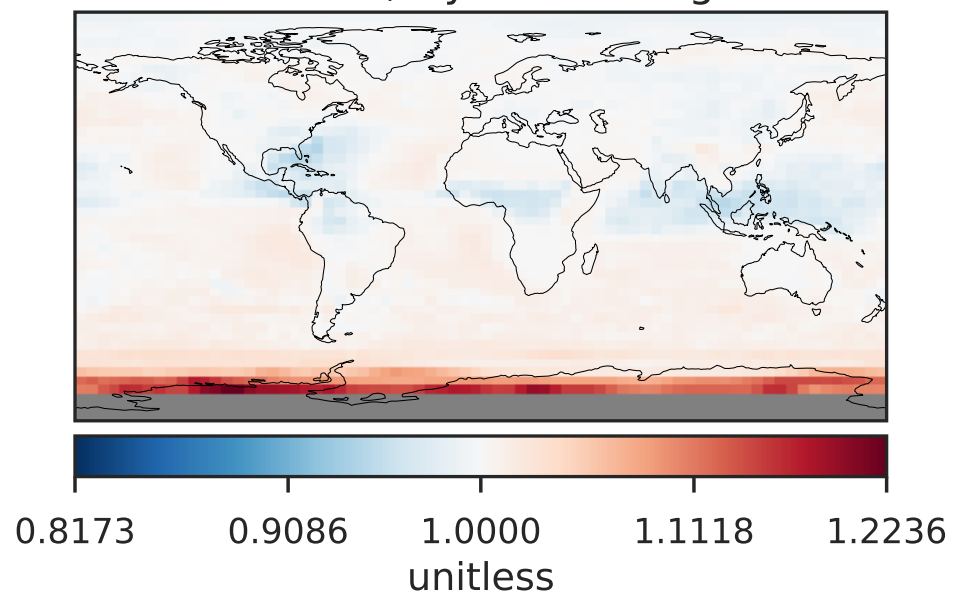
Difference
Dev - Ref, Dynamic Range



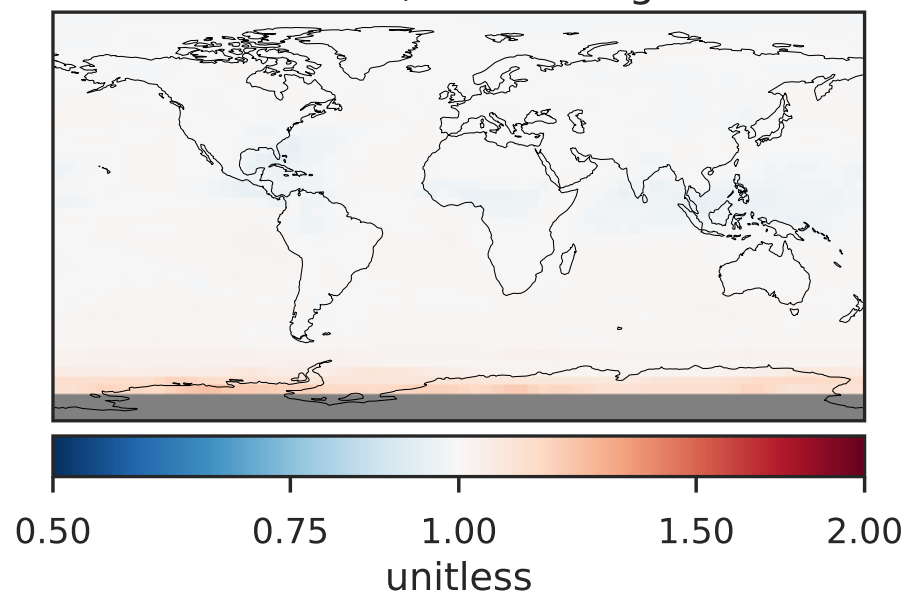
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

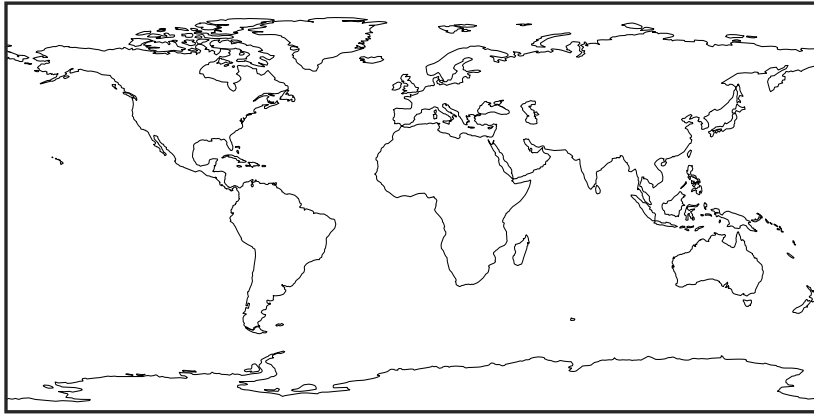


Ratio
Dev/Ref, Fixed Range



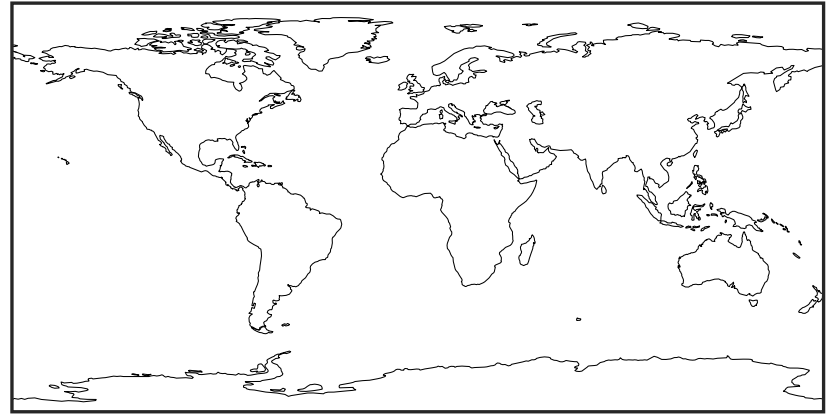
Jval_MPAN (Jul2019)

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



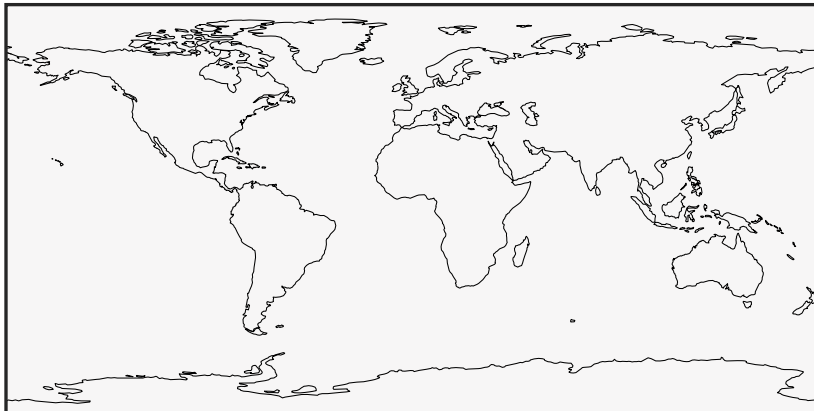
Zero throughput domain
s-1

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



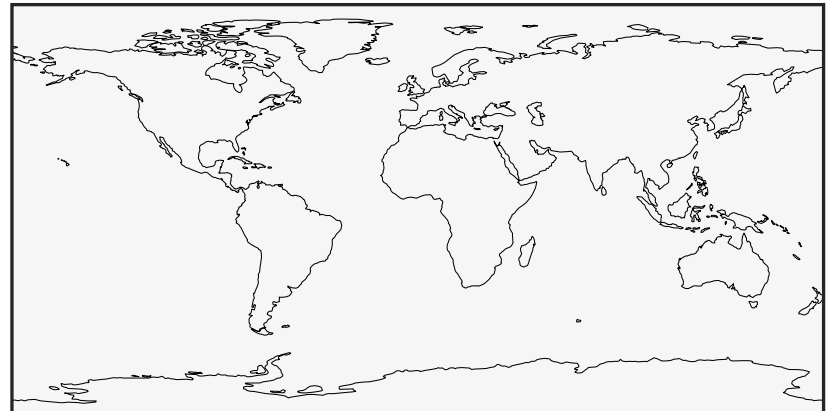
Zero throughput domain
s-1

Difference
Dev - Ref, Dynamic Range



Zero throughput domain
s-1

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



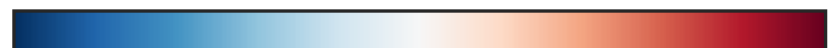
Zero throughput domain
s-1

Ratio
Dev/Ref, Dynamic Range



Undefined throughput domain
unitless

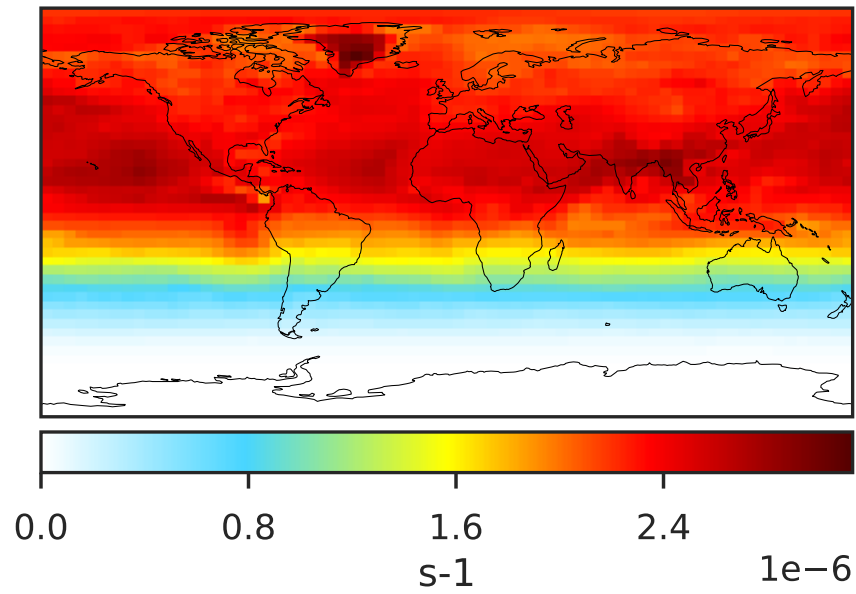
Ratio
Dev/Ref, Fixed Range



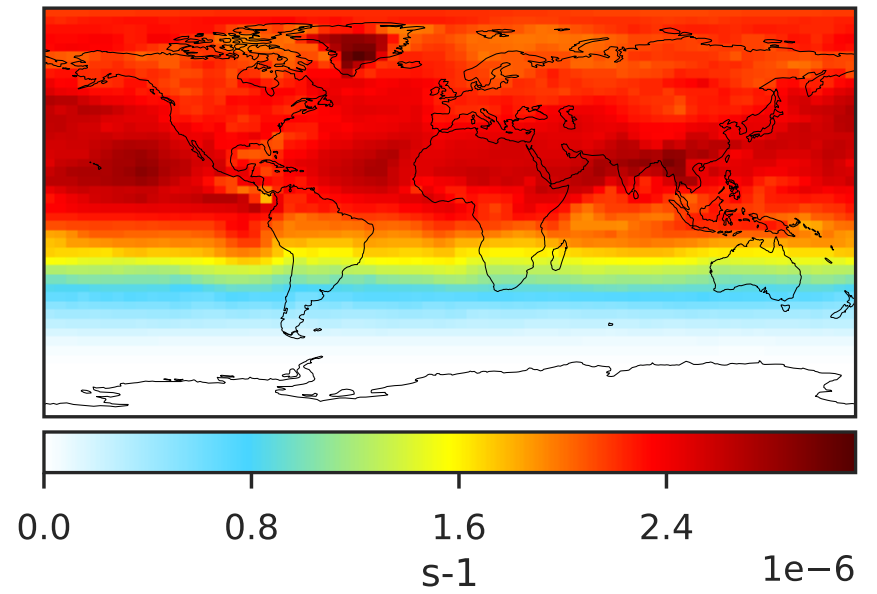
Undefined throughput domain
unitless

Jval_MPN (Jul2019)

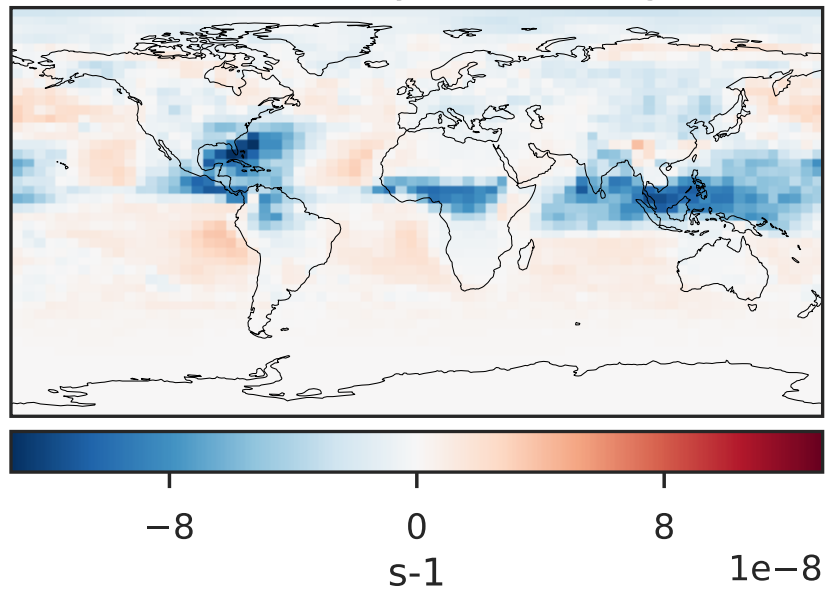
14.2.0-rc.2 (Ref)
4.0x5.0



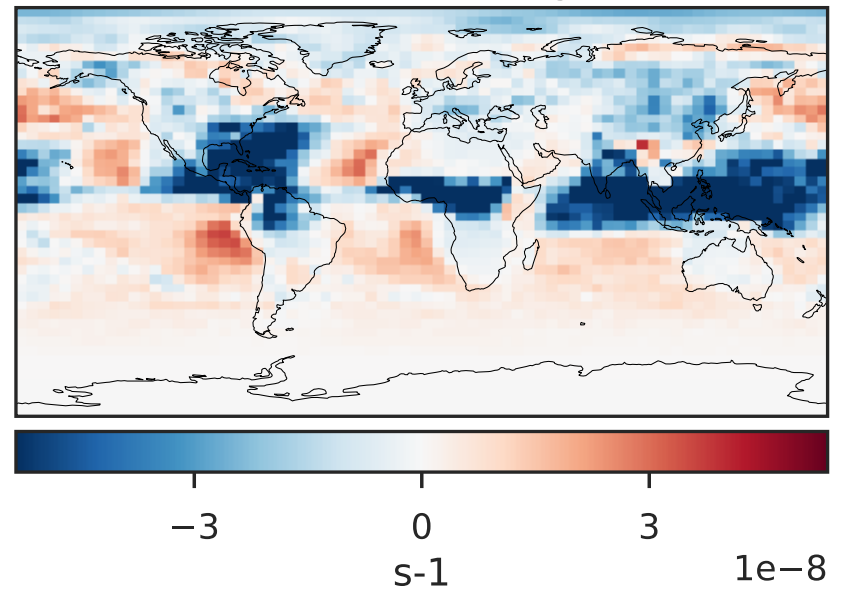
14.3.0-rc.0 (Dev)
4.0x5.0



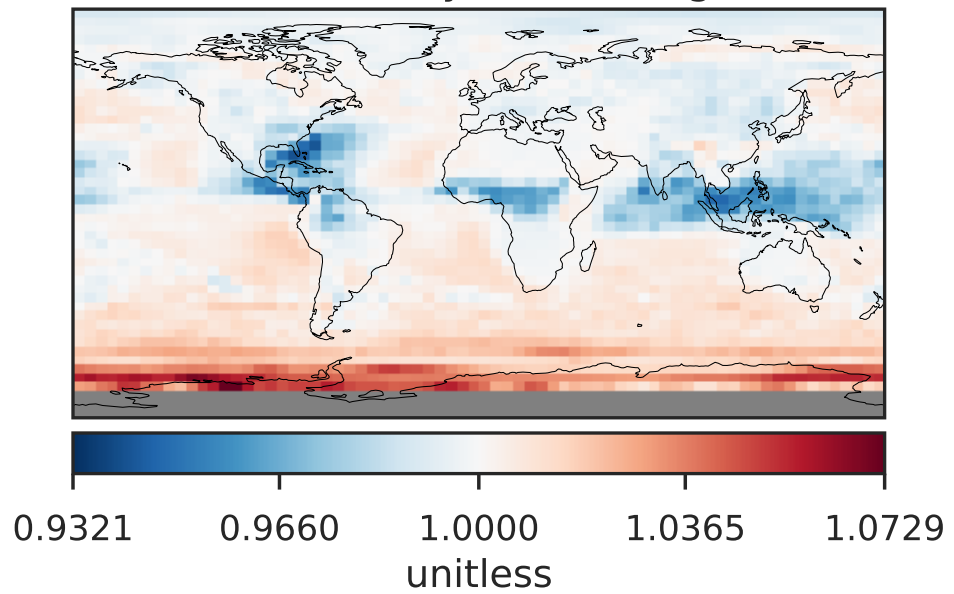
Difference
Dev - Ref, Dynamic Range



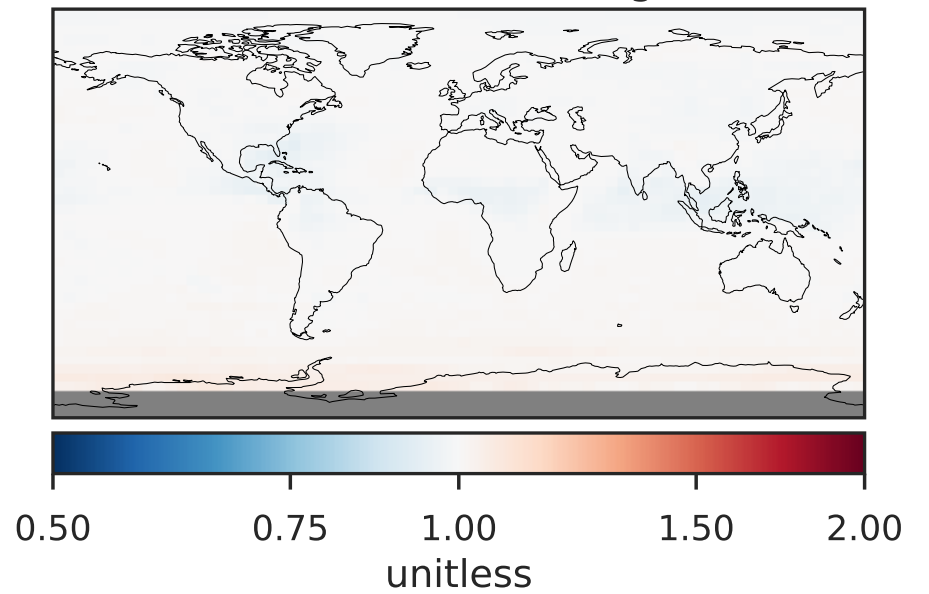
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

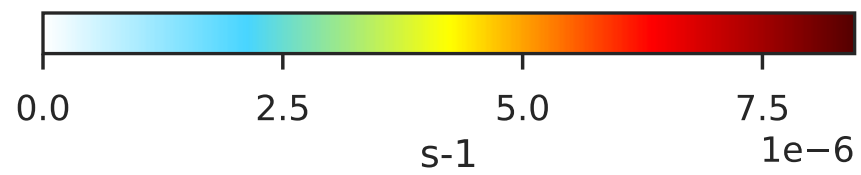
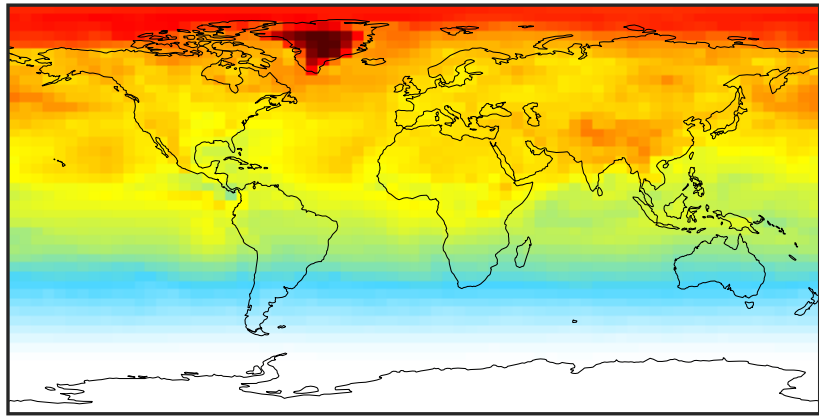


Ratio
Dev/Ref, Fixed Range

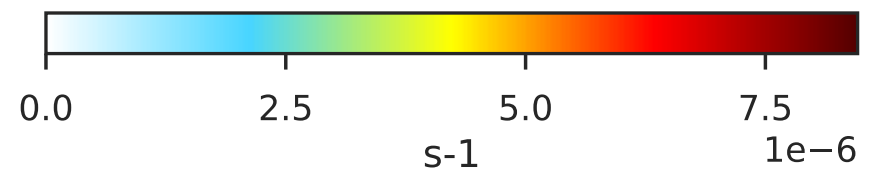
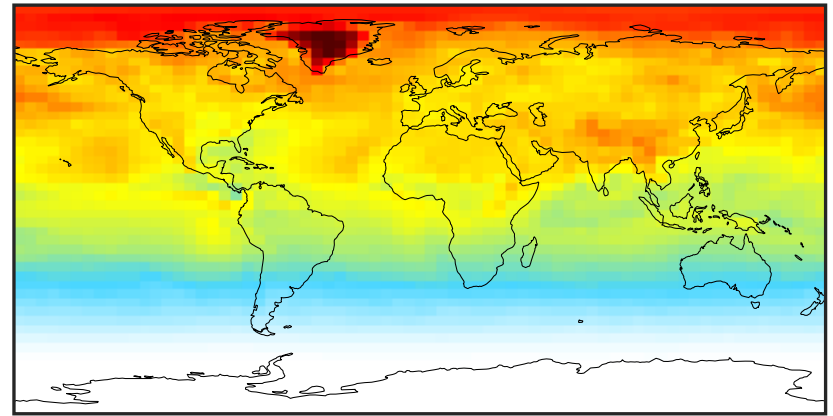


Jval_MVK (Jul2019)

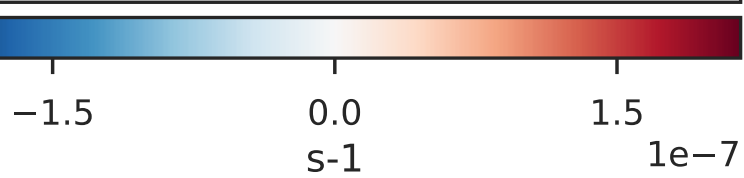
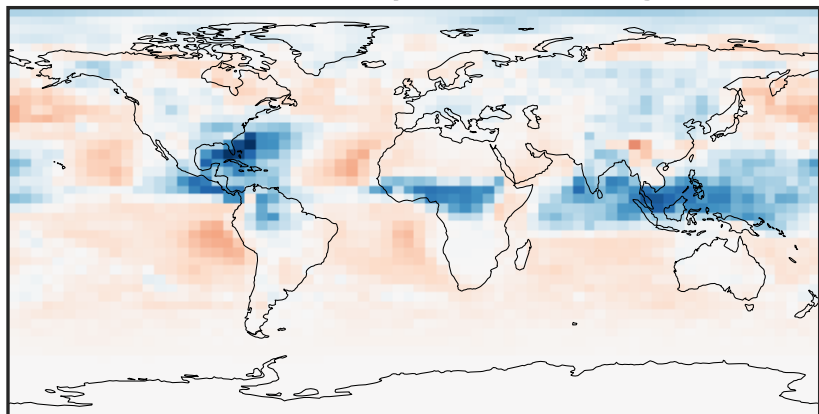
14.2.0-rc.2 (Ref)
4.0x5.0



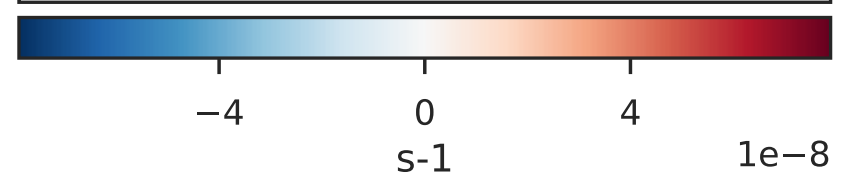
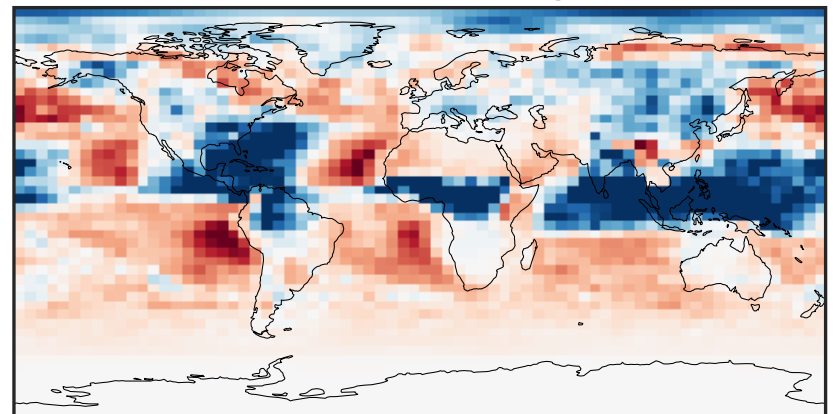
14.3.0-rc.0 (Dev)
4.0x5.0



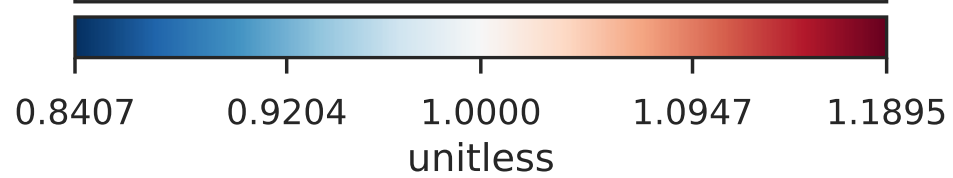
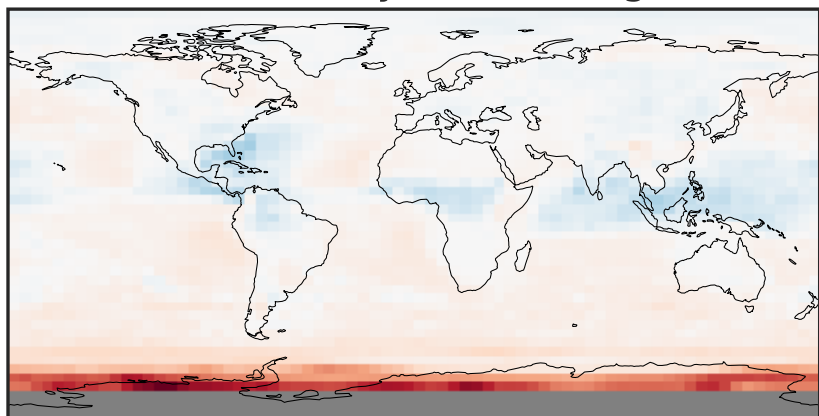
Difference
Dev - Ref, Dynamic Range



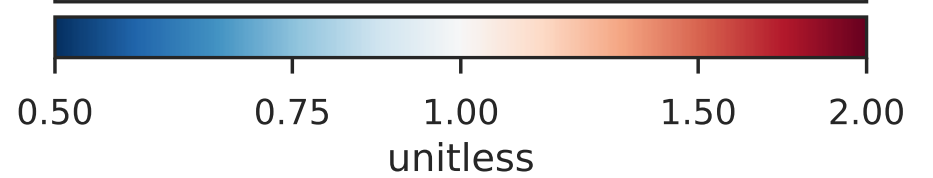
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

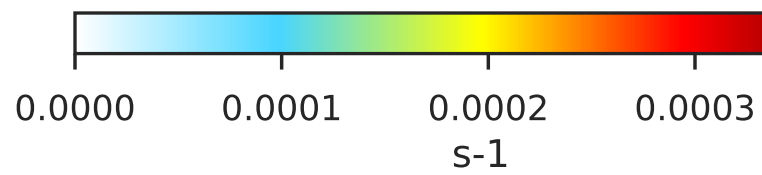
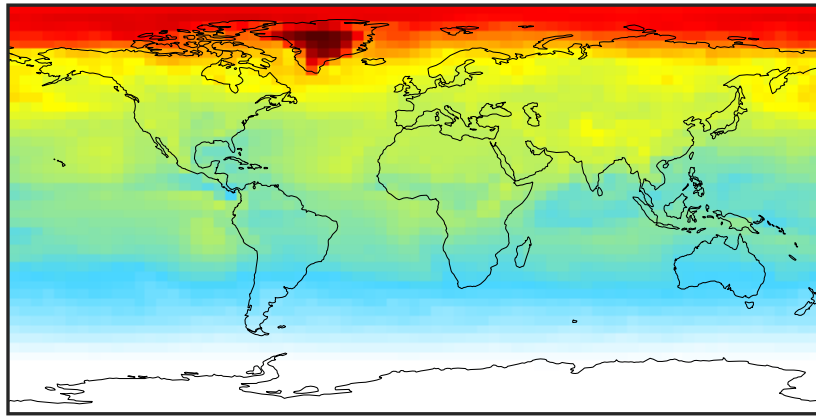


Ratio
Dev/Ref, Fixed Range

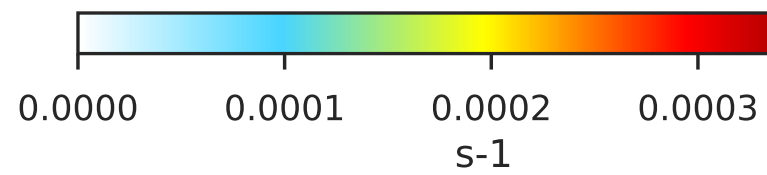
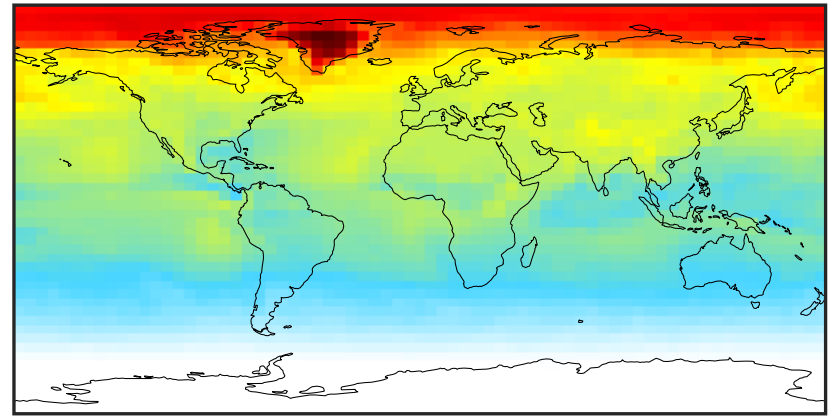


Jval_MVKHC (Jul2019)

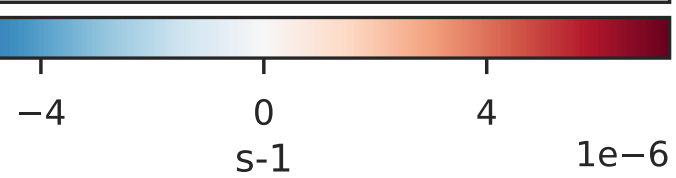
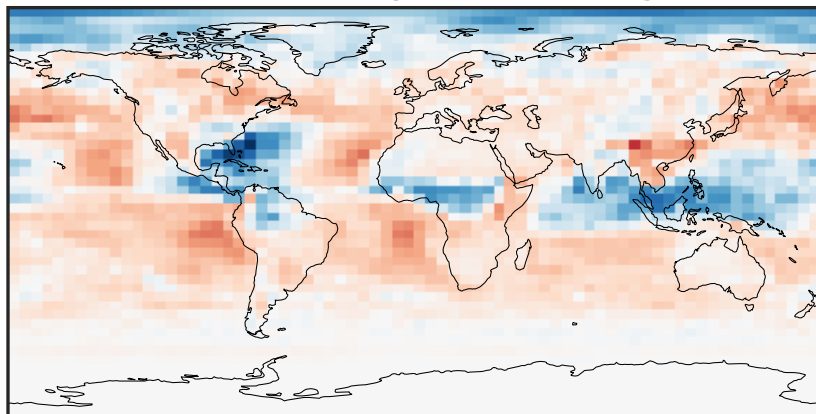
14.2.0-rc.2 (Ref)
4.0x5.0



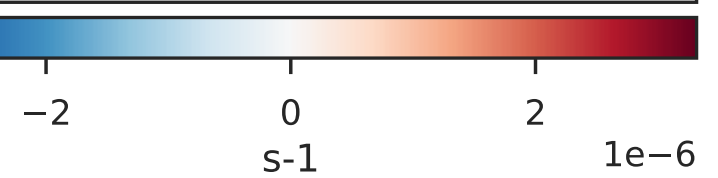
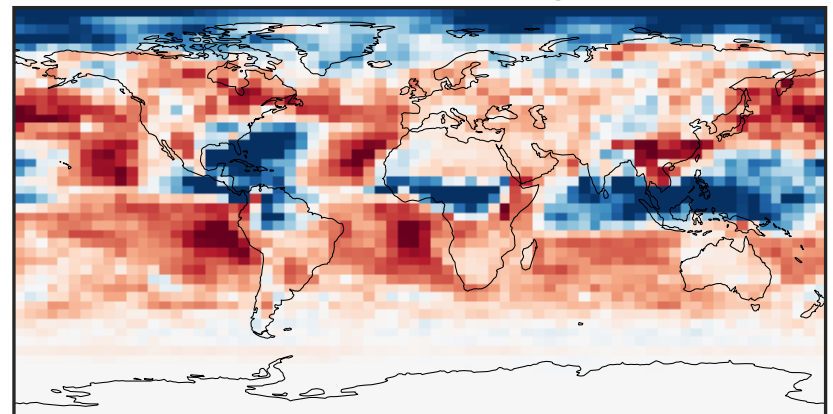
14.3.0-rc.0 (Dev)
4.0x5.0



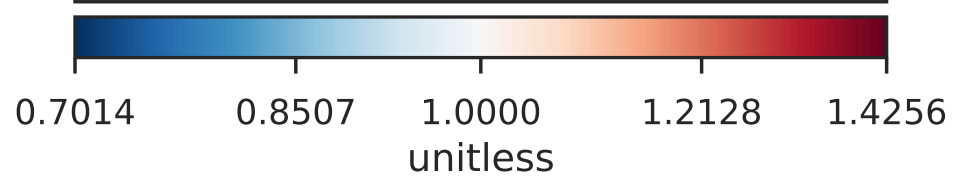
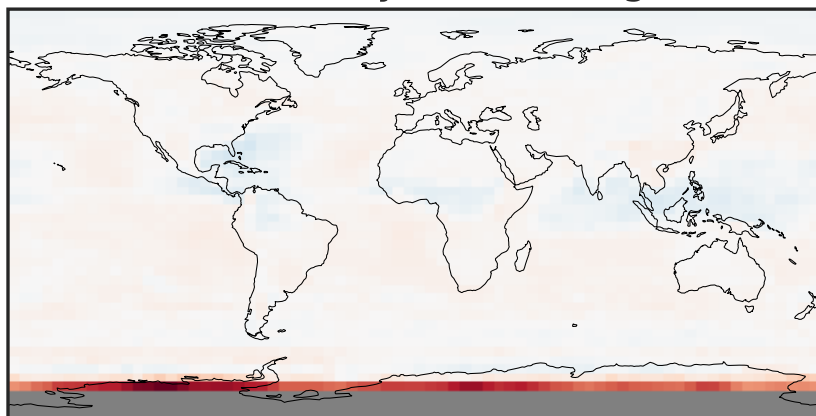
Difference
Dev - Ref, Dynamic Range



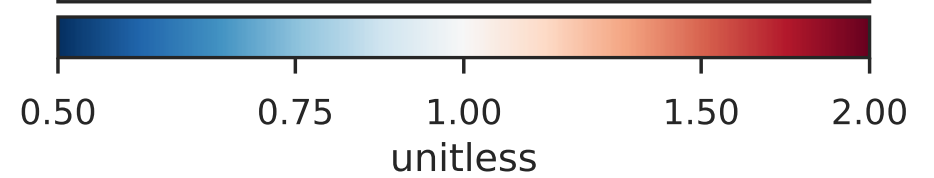
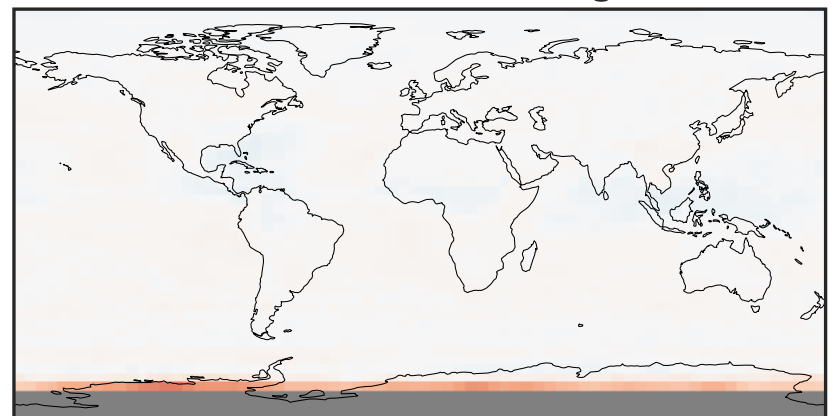
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

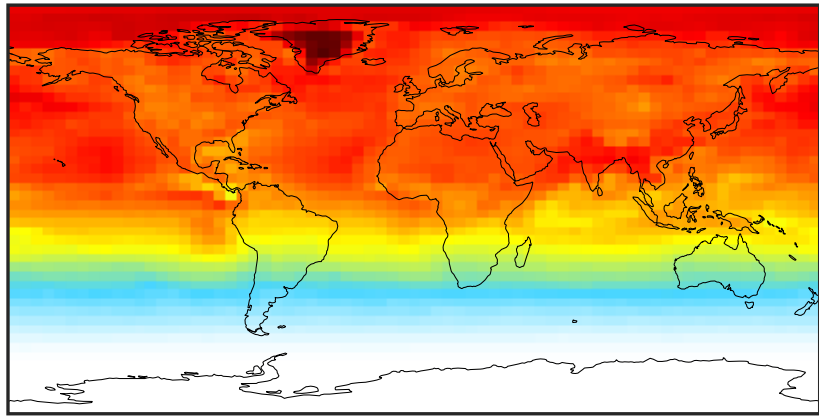


Ratio
Dev/Ref, Fixed Range



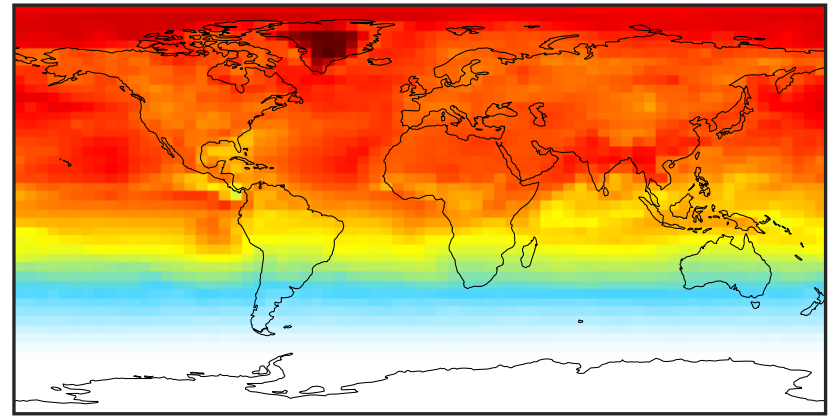
Jval_MVKHCB (Jul2019)

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



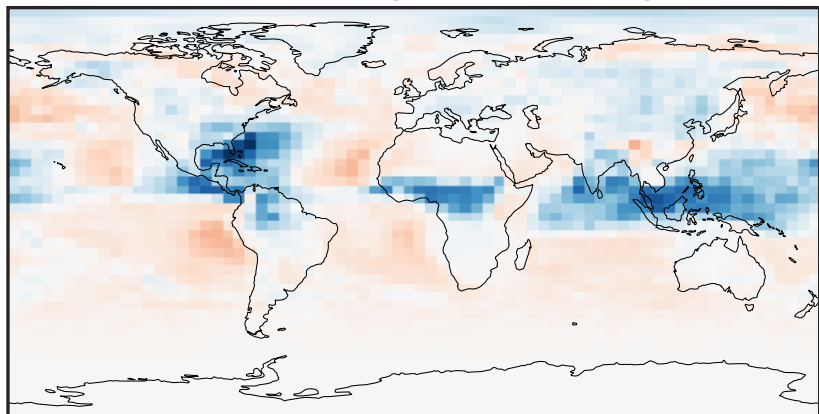
0.0 1.5 3.0 $1e-5$
s-1

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



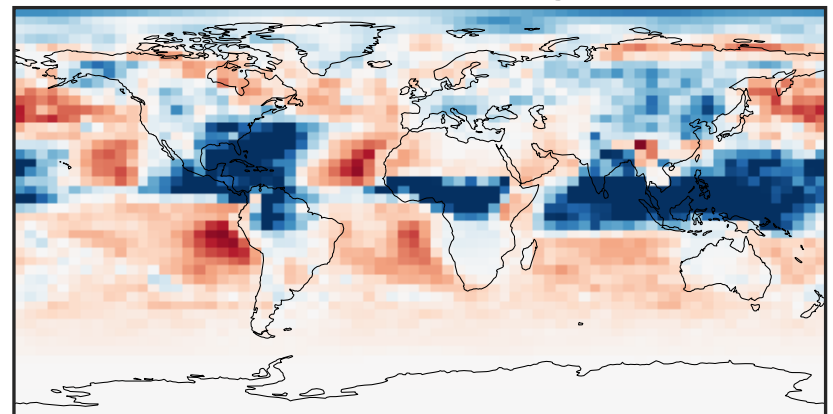
0.0 1.5 3.0 $1e-5$
s-1

Difference
Dev - Ref, Dynamic Range



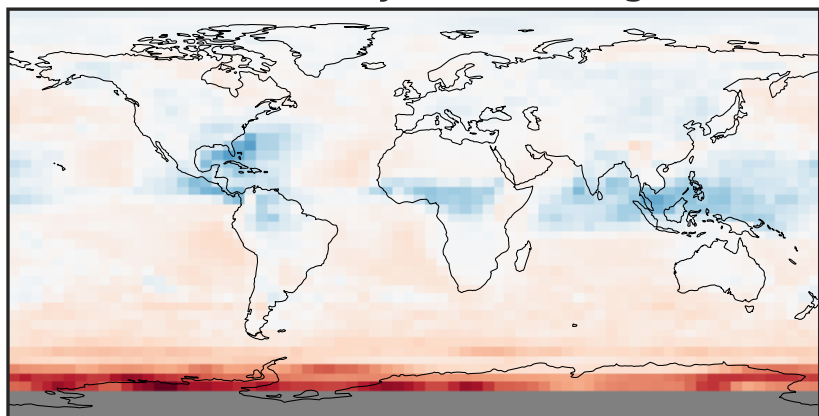
-8 0 8 $1e-7$
s-1

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



-3 0 3 $1e-7$
s-1

Ratio
Dev/Ref, Dynamic Range



0.8970 0.9485 1.0000 1.0574 1.1149
unitless

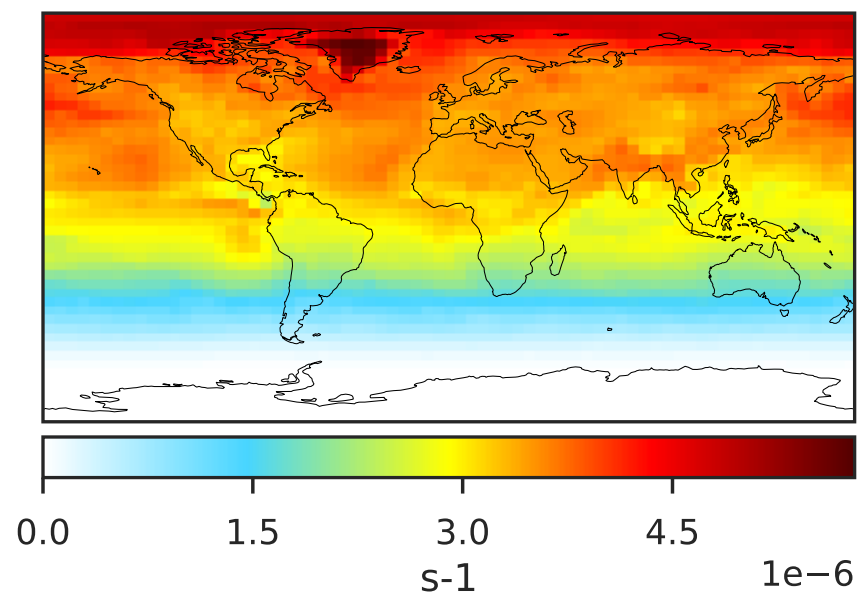
Ratio
Dev/Ref, Fixed Range



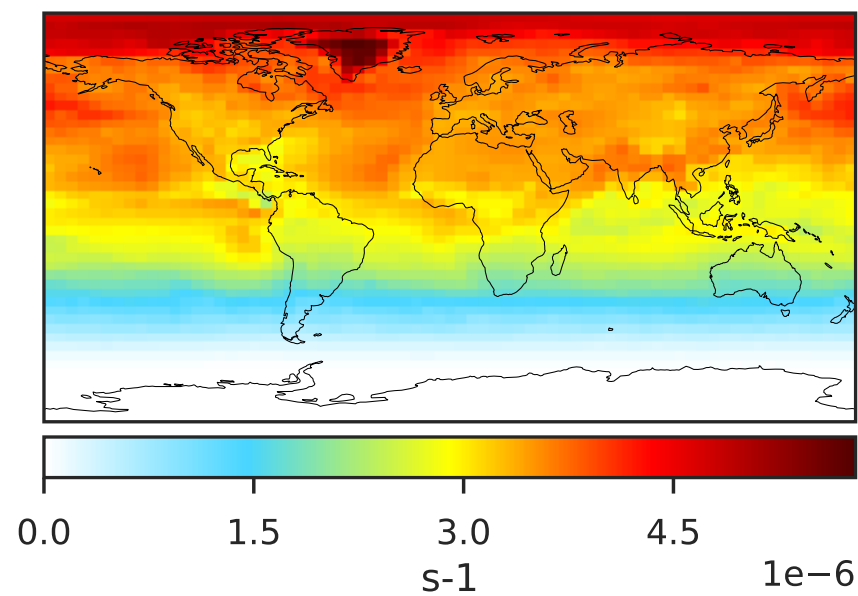
0.50 0.75 1.00 1.50 2.00
unitless

Jval_MVKHP (Jul2019)

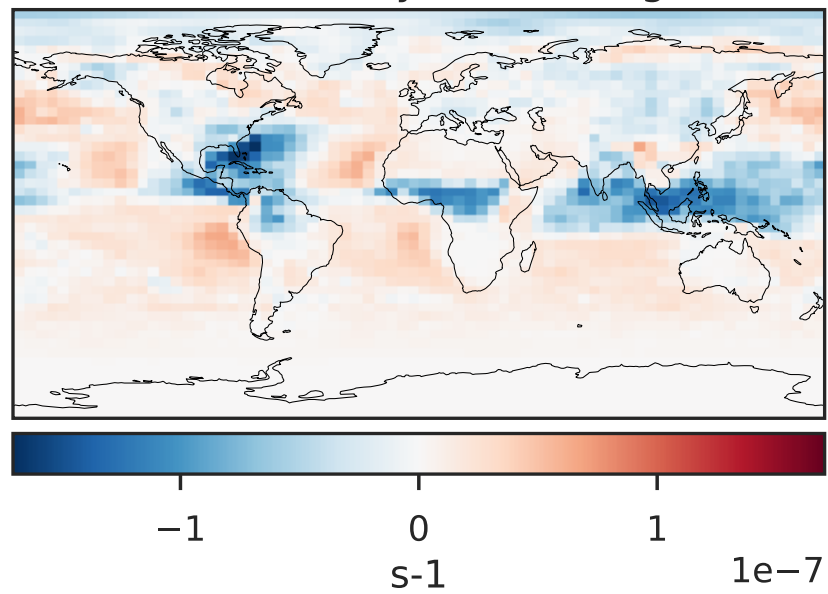
14.2.0-rc.2 (Ref)
4.0x5.0



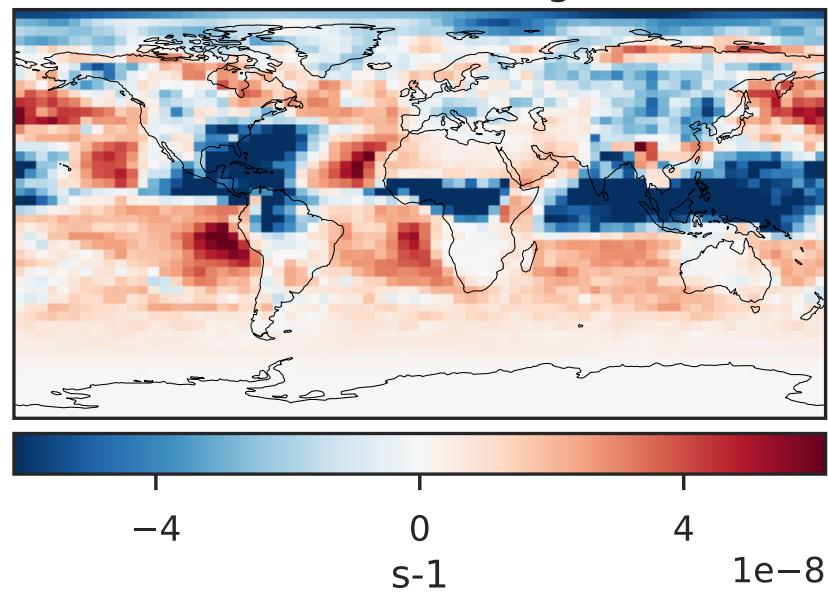
14.3.0-rc.0 (Dev)
4.0x5.0



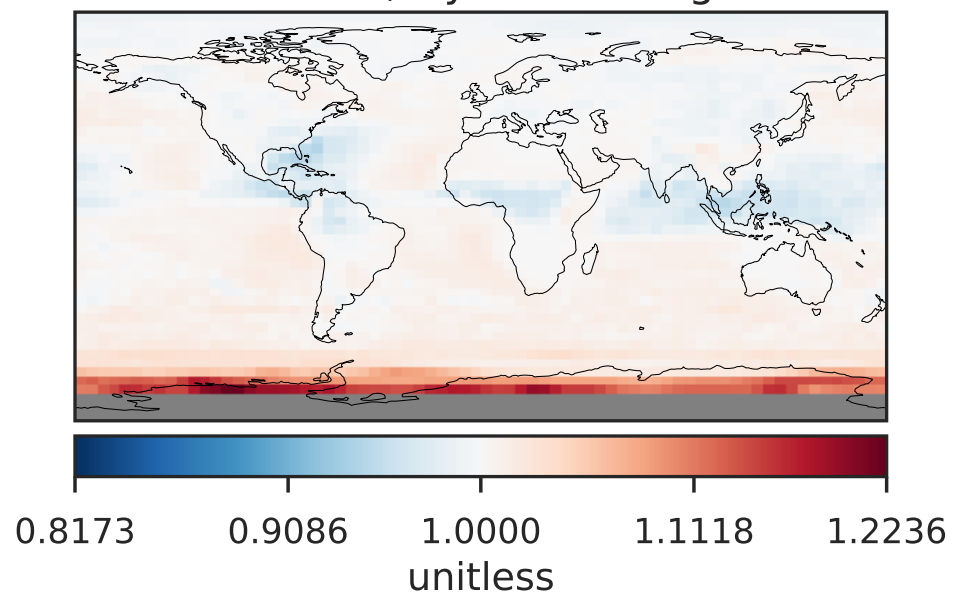
Difference
Dev - Ref, Dynamic Range



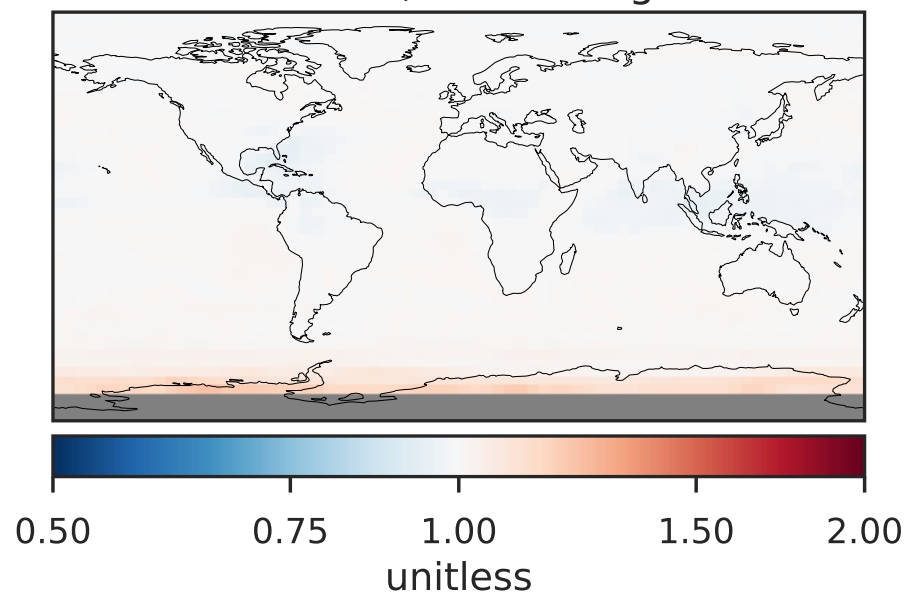
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

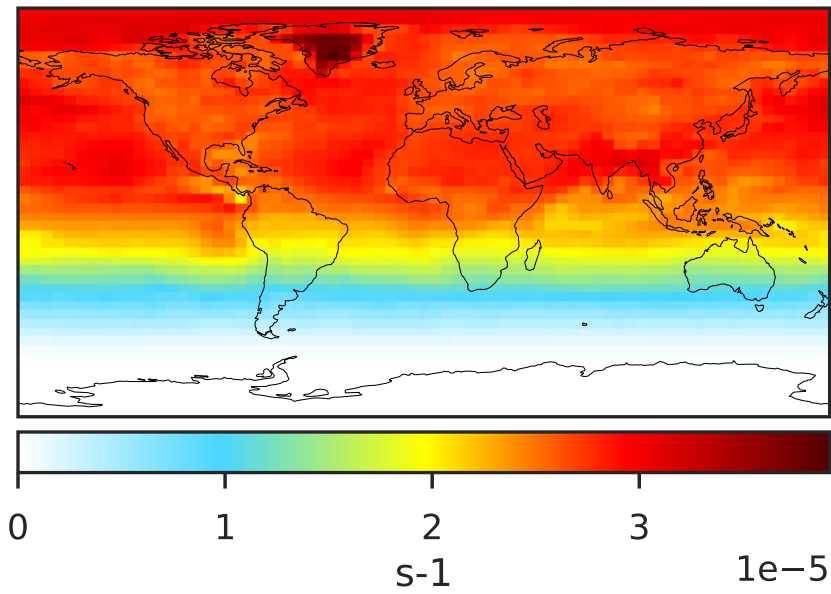


Ratio
Dev/Ref, Fixed Range

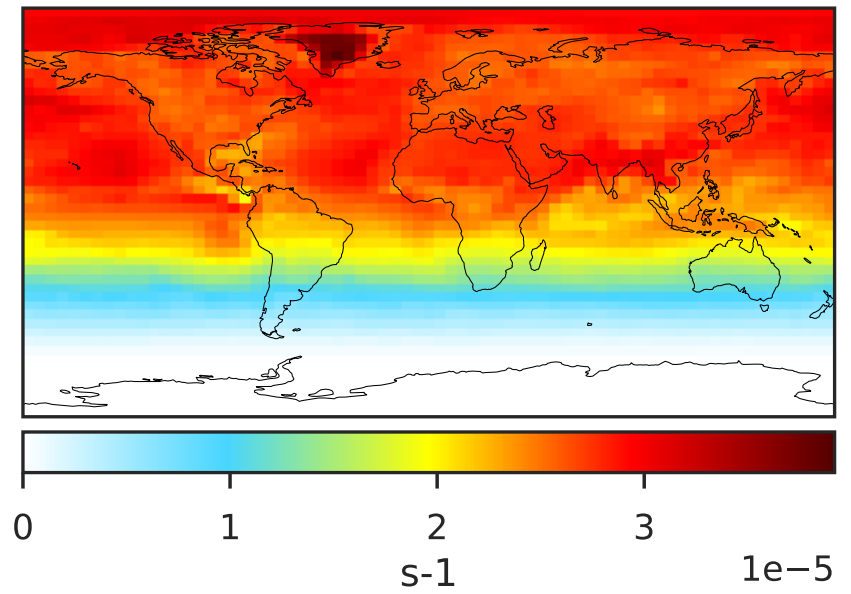


Jval_MVKN (Jul2019)

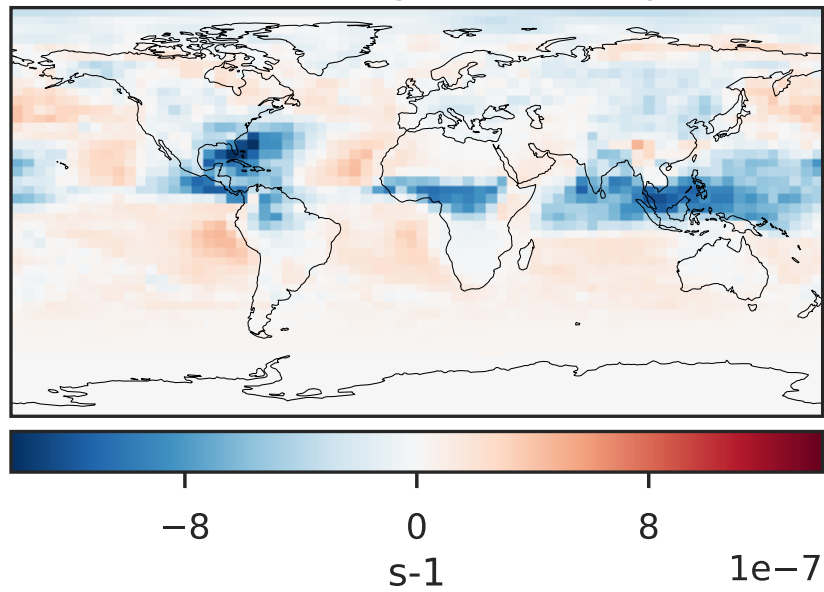
14.2.0-rc.2 (Ref)
4.0x5.0



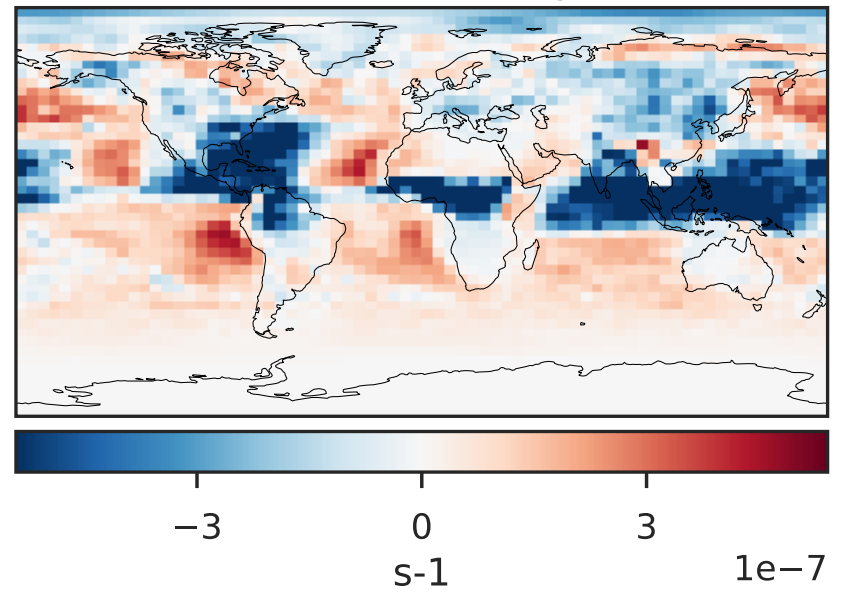
14.3.0-rc.0 (Dev)
4.0x5.0



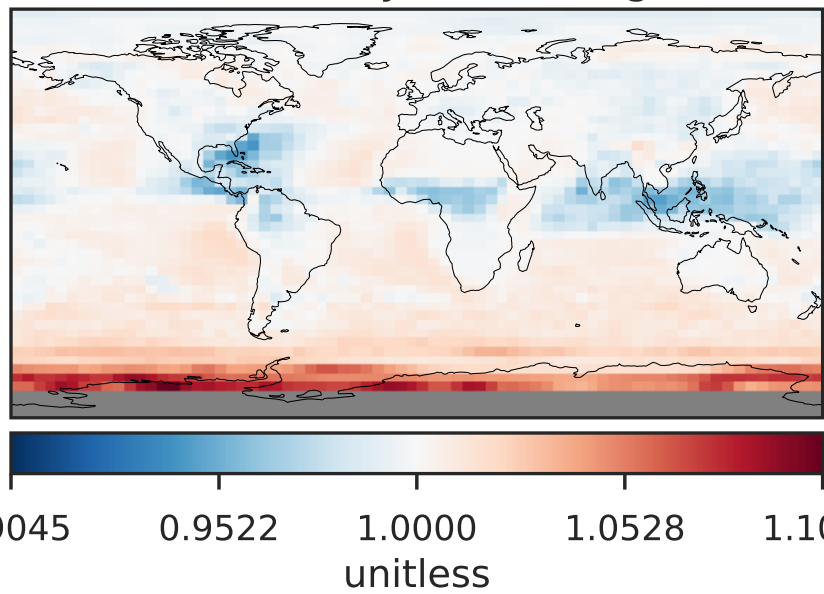
Difference
Dev - Ref, Dynamic Range



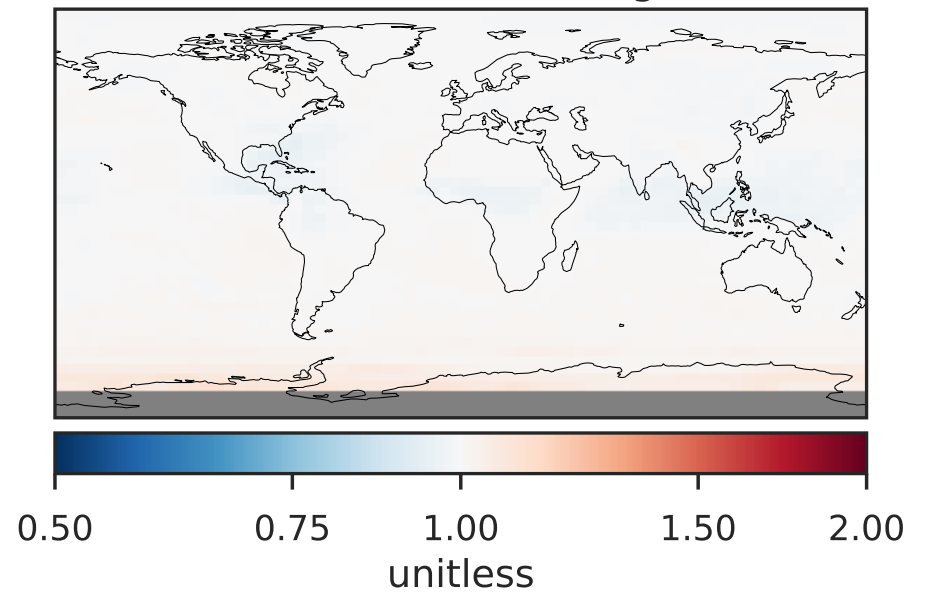
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

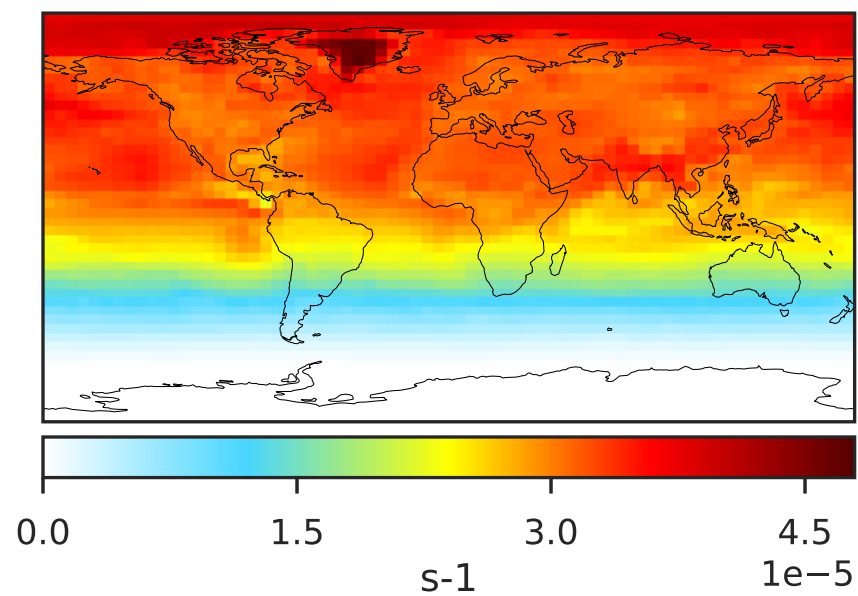


Ratio
Dev/Ref, Fixed Range

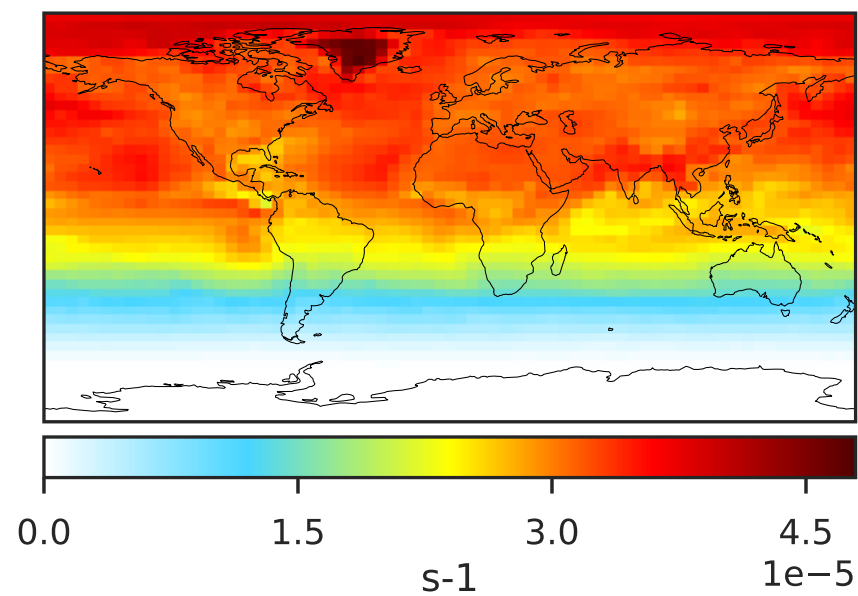


Jval_MVKPC (Jul2019)

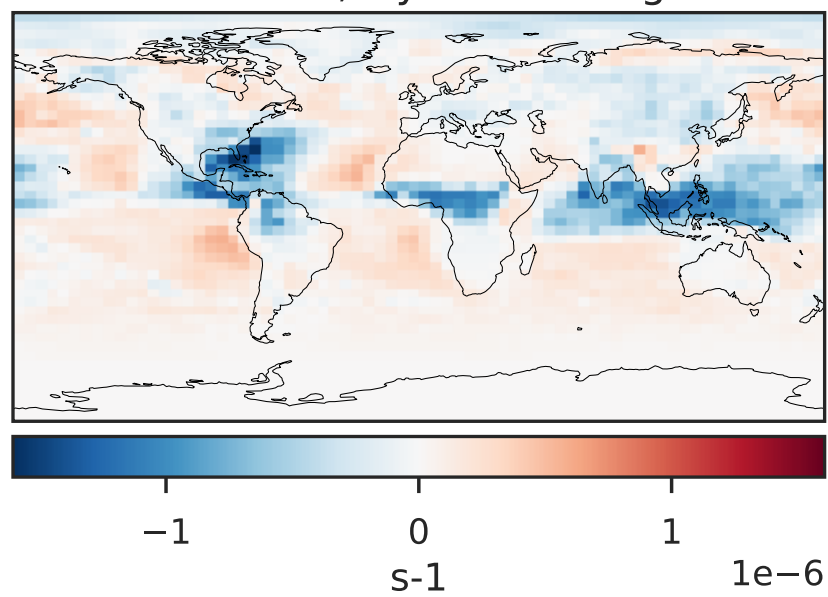
14.2.0-rc.2 (Ref)
4.0x5.0



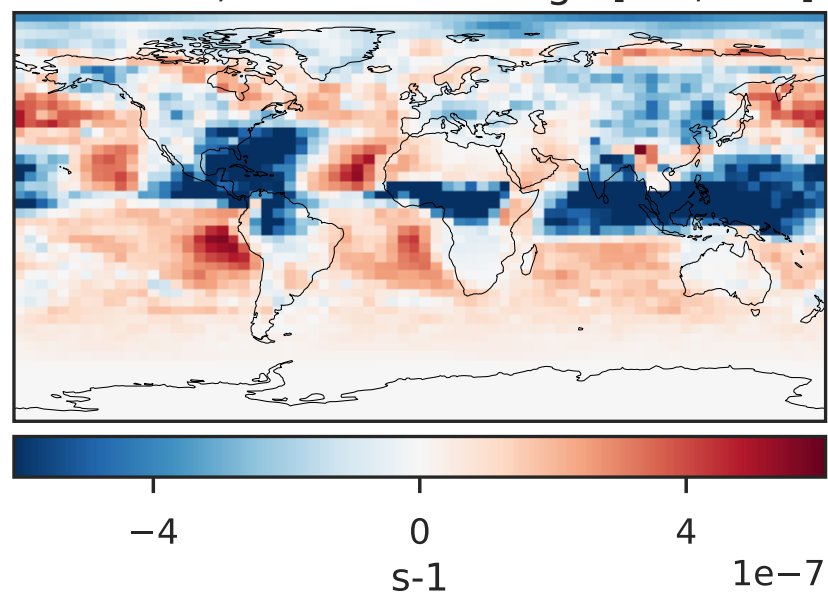
14.3.0-rc.0 (Dev)
4.0x5.0



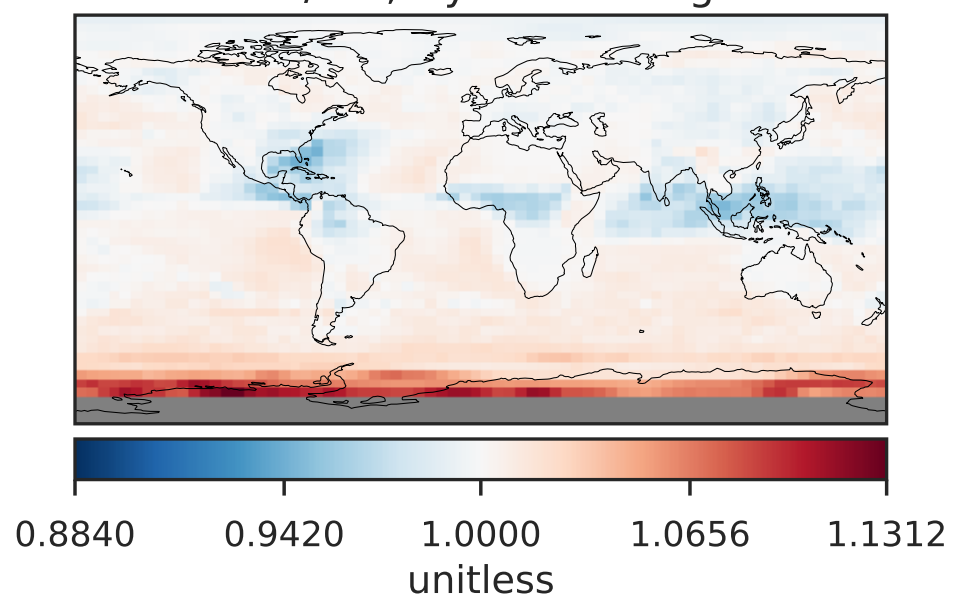
Difference
Dev - Ref, Dynamic Range



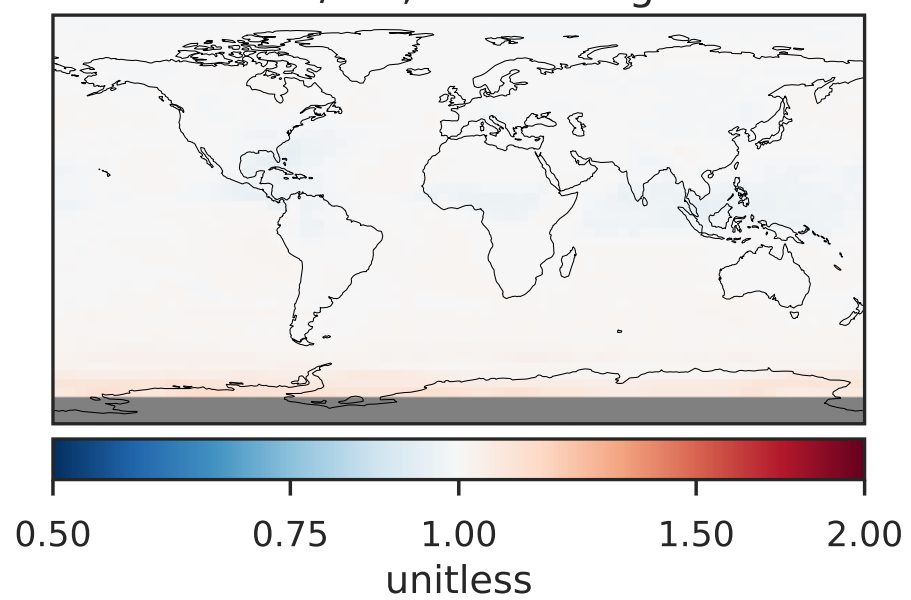
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

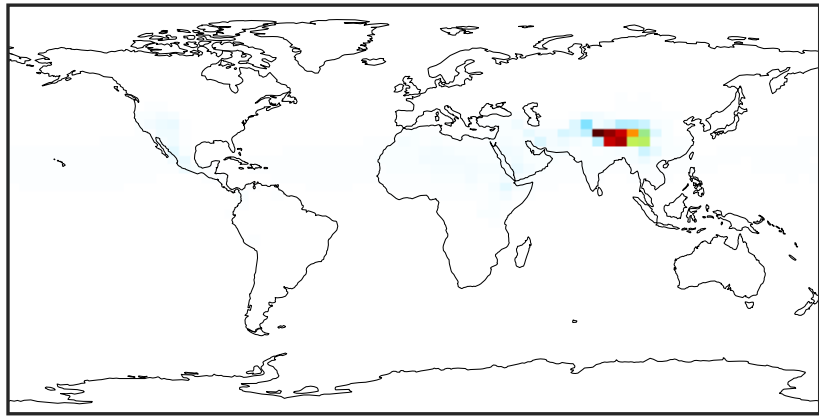


Ratio
Dev/Ref, Fixed Range



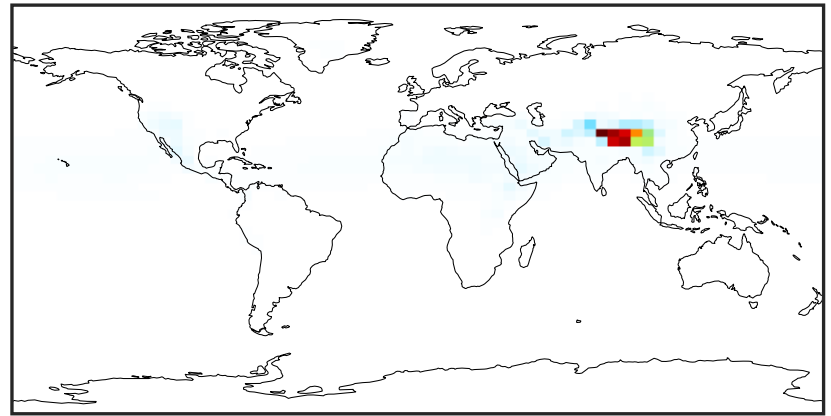
Jval_N2O (Jul2019)

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



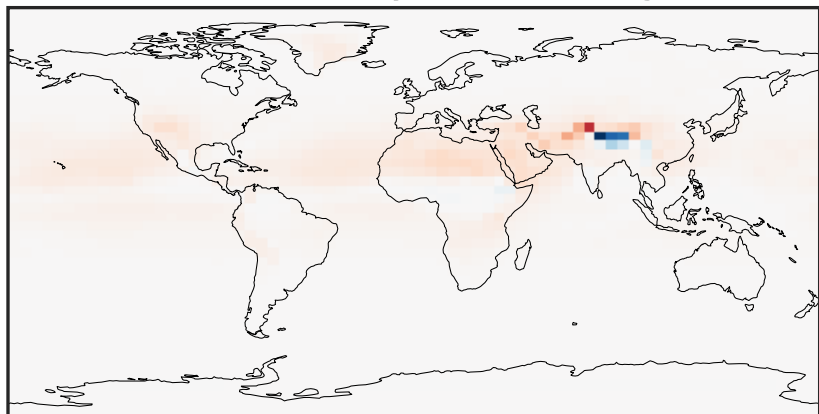
0.0 0.4 0.8 1.2
s-1 1e-15

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



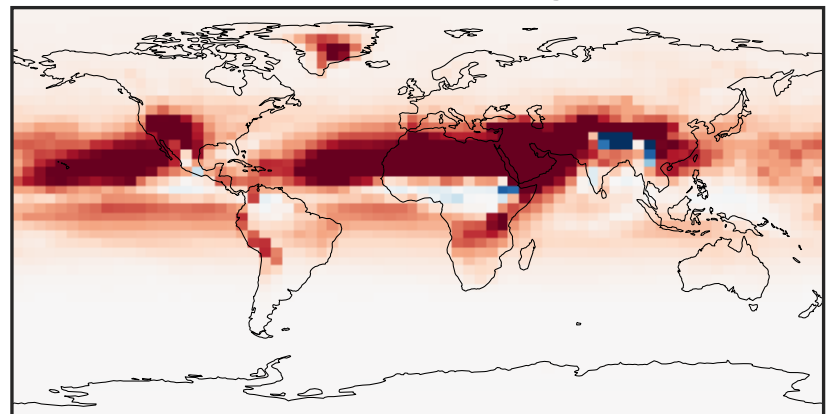
0.0 0.4 0.8 1.2
s-1 1e-15

Difference
Dev - Ref, Dynamic Range



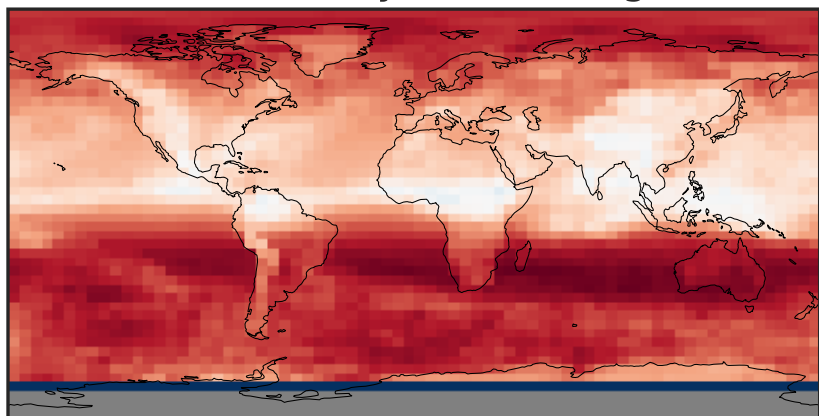
-2 0 2
s-1 1e-17

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



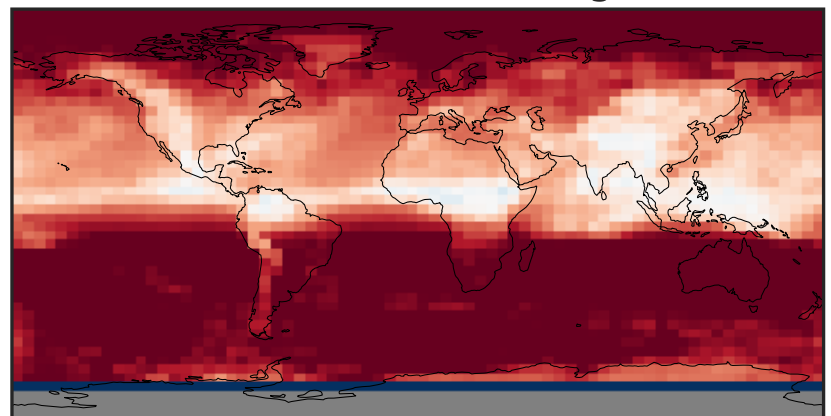
-1.5 0.0 1.5
s-1 1e-18

Ratio
Dev/Ref, Dynamic Range



0.373 0.687 1.000 1.840 2.679
unitless

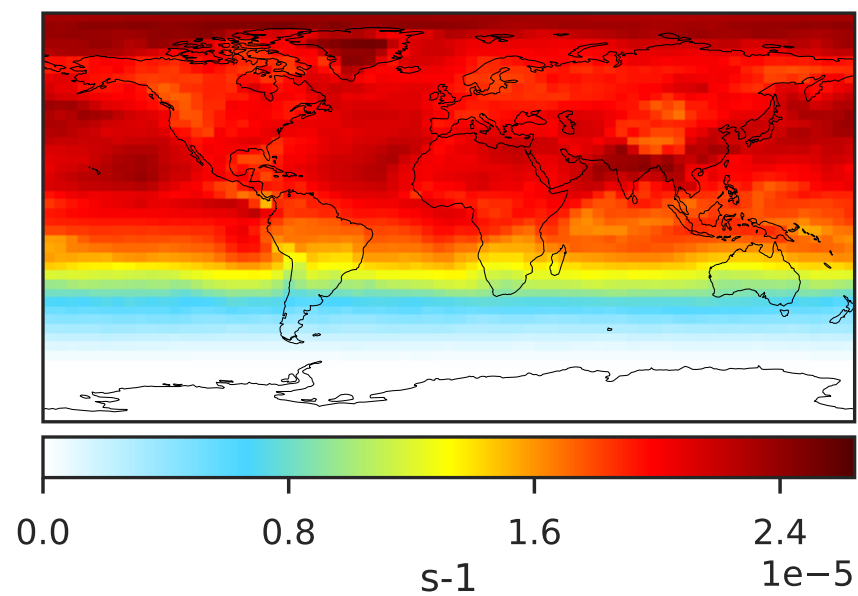
Ratio
Dev/Ref, Fixed Range



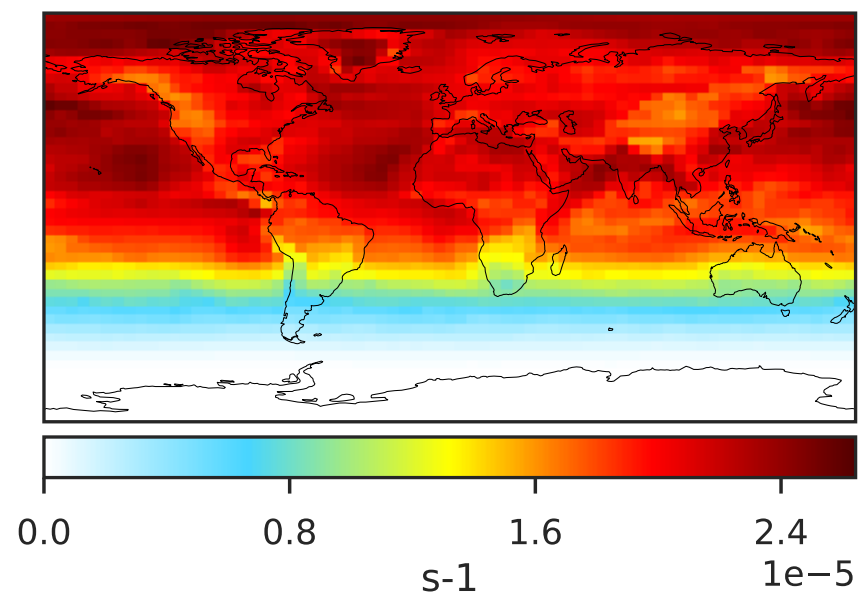
0.50 0.75 1.00 1.50 2.00
unitless

Jval_N2O5 (Jul2019)

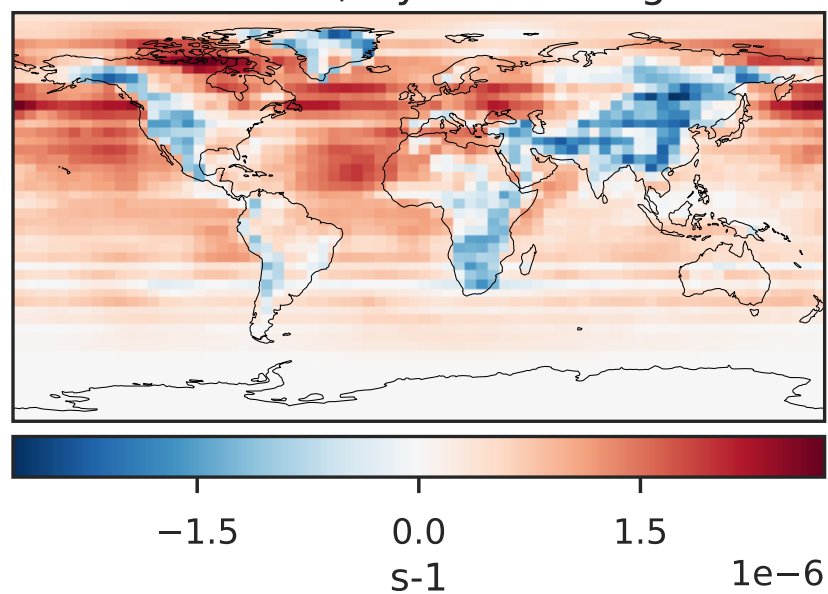
14.2.0-rc.2 (Ref)
4.0x5.0



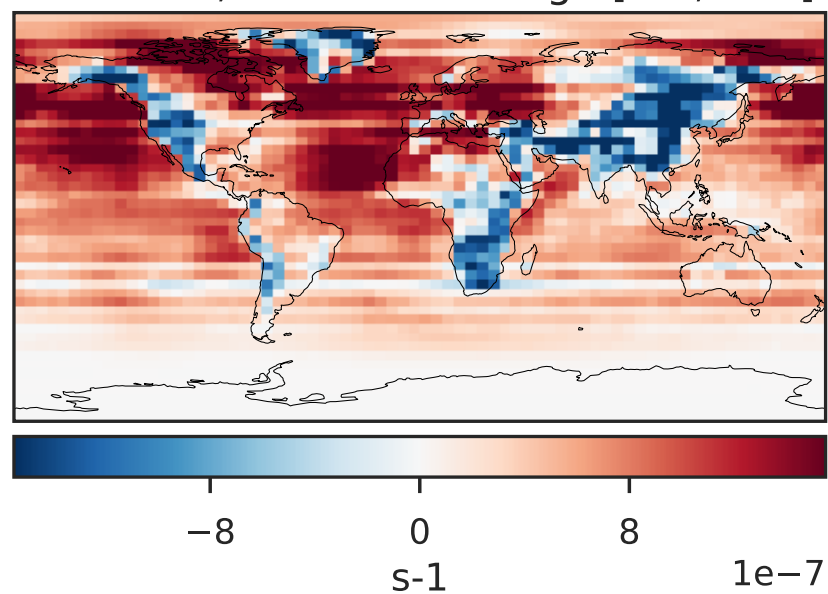
14.3.0-rc.0 (Dev)
4.0x5.0



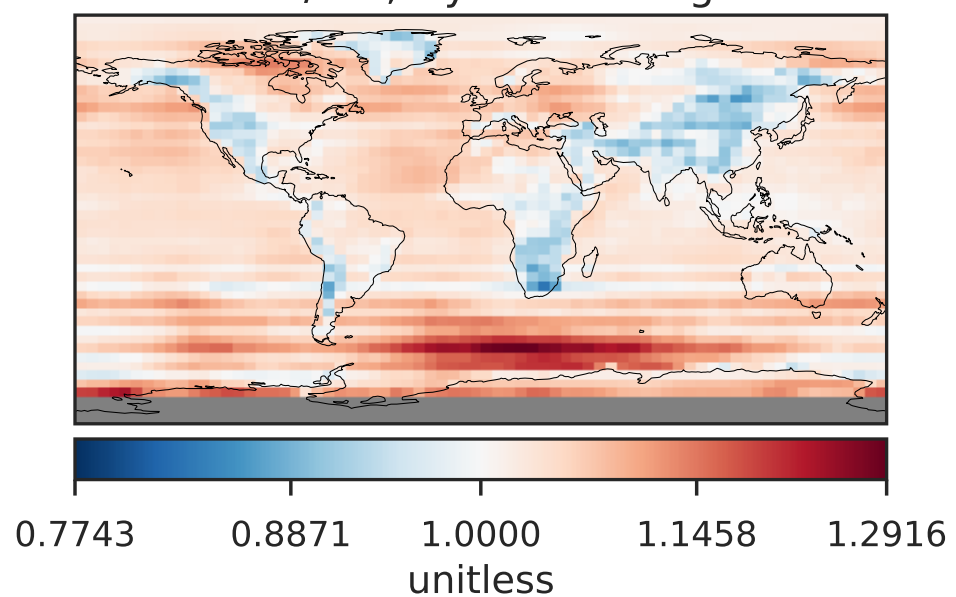
Difference
Dev - Ref, Dynamic Range



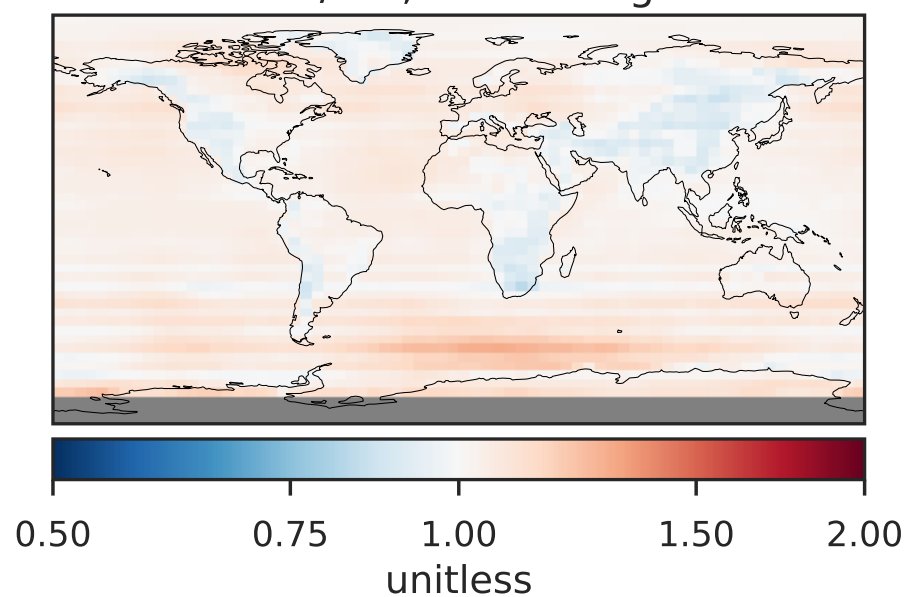
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

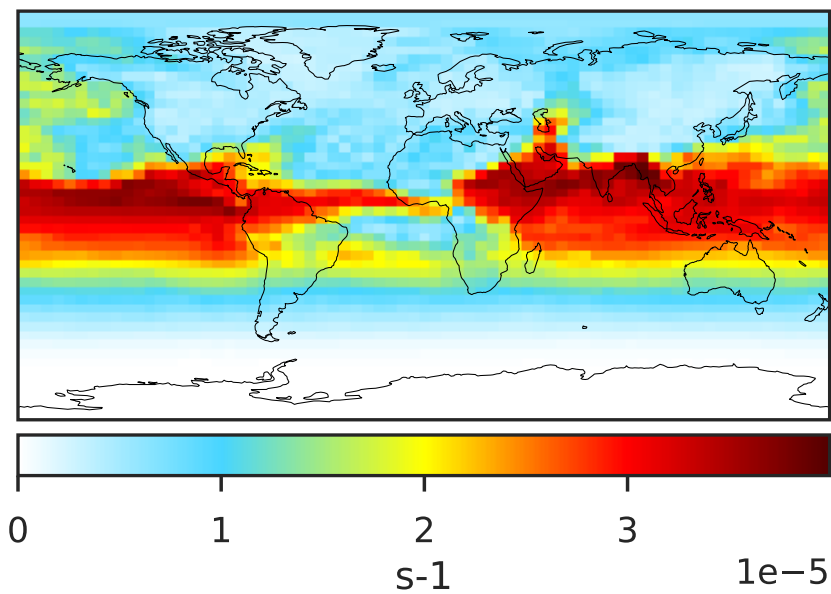


Ratio
Dev/Ref, Fixed Range

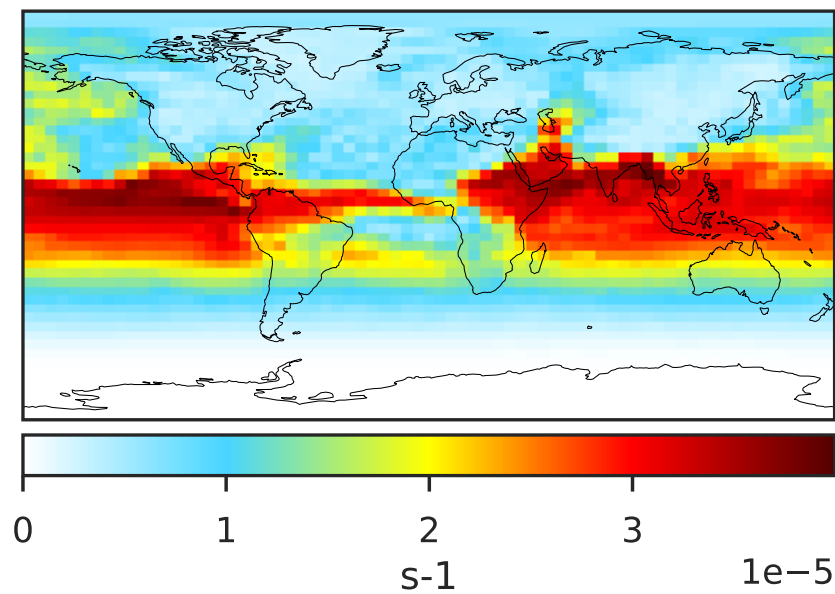


Jval_NIT (Jul2019)

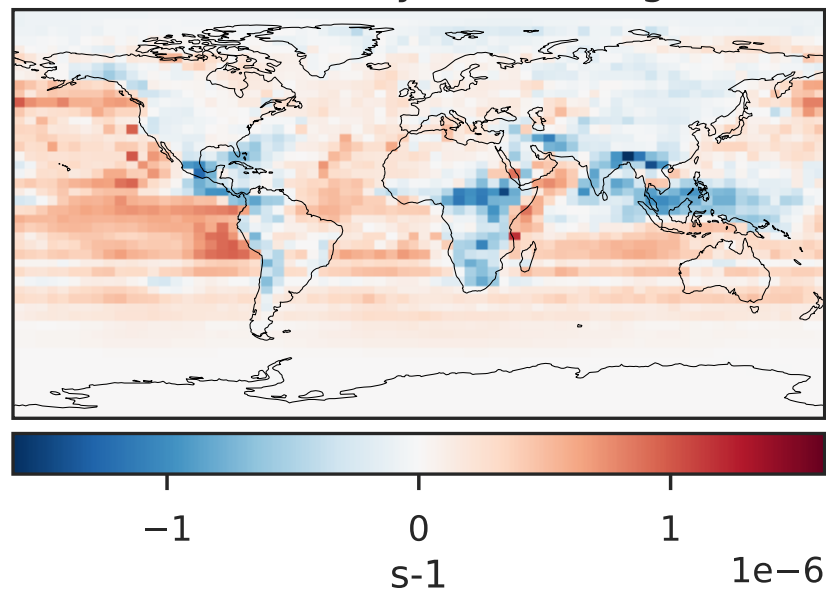
14.2.0-rc.2 (Ref)
4.0x5.0



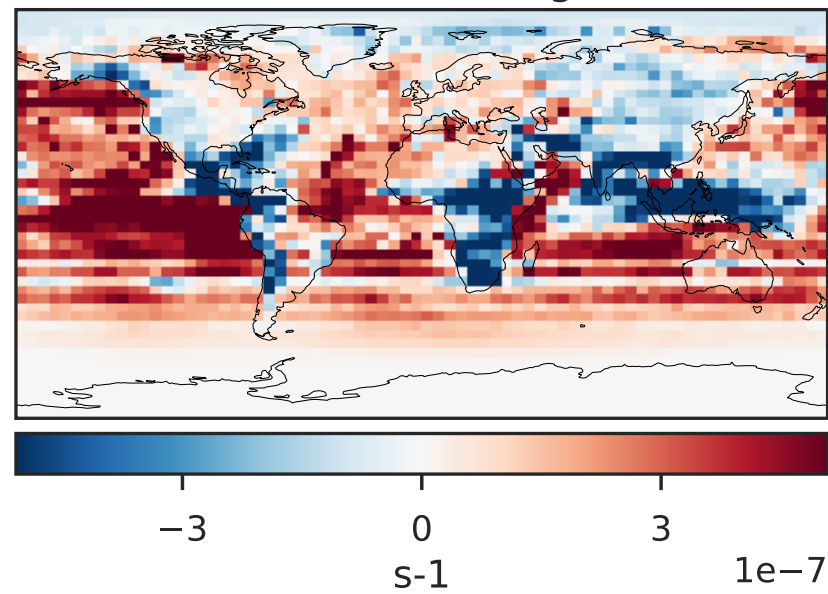
14.3.0-rc.0 (Dev)
4.0x5.0



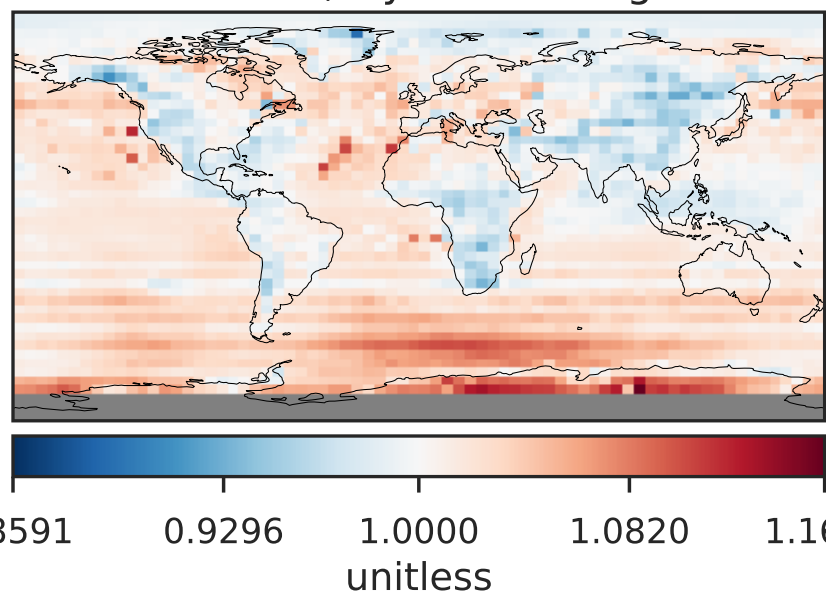
Difference
Dev - Ref, Dynamic Range



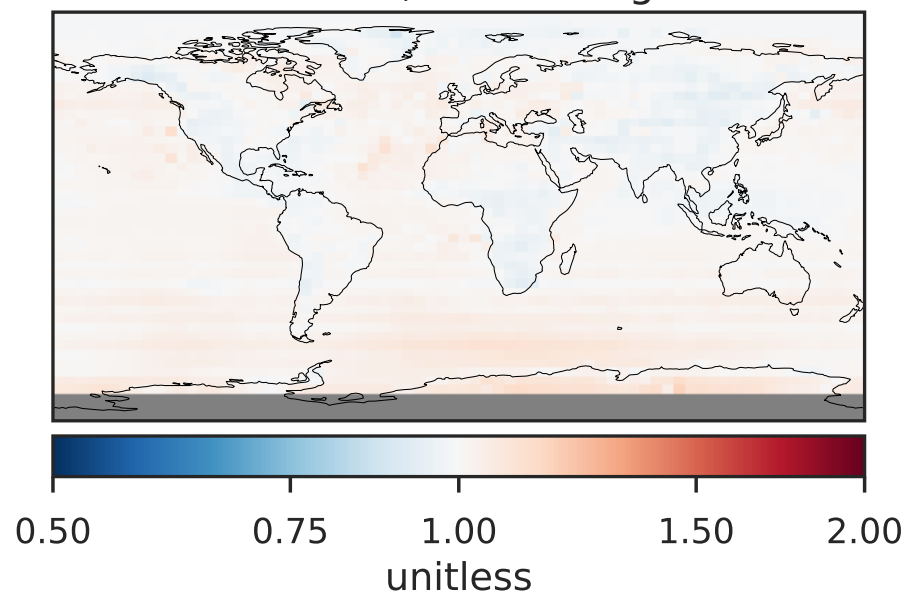
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

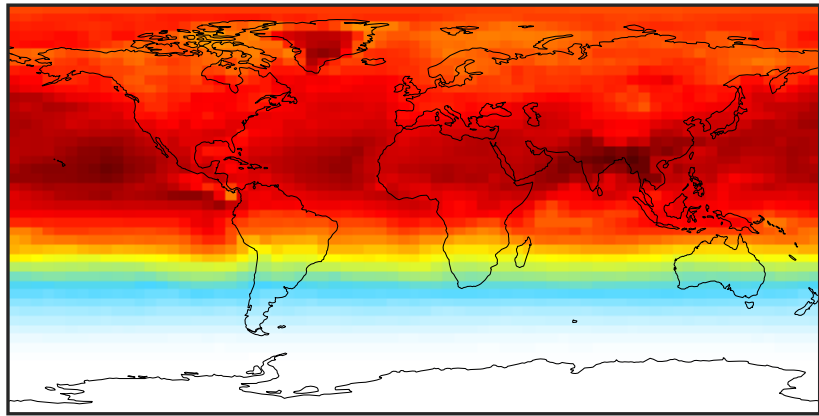


Ratio
Dev/Ref, Fixed Range



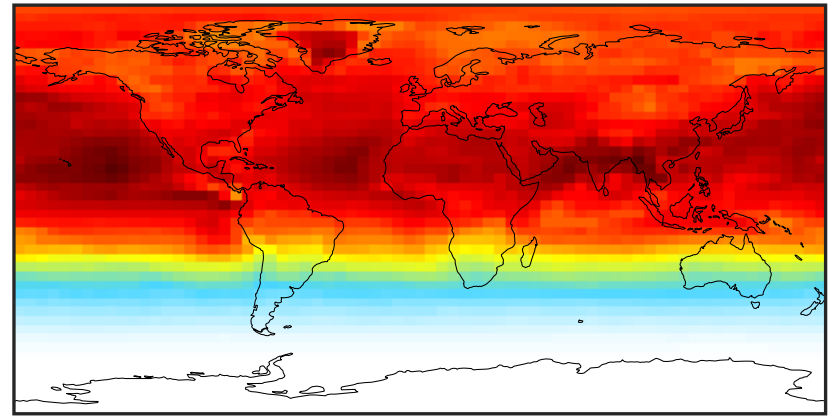
Jval_NITs (Jul2019)

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



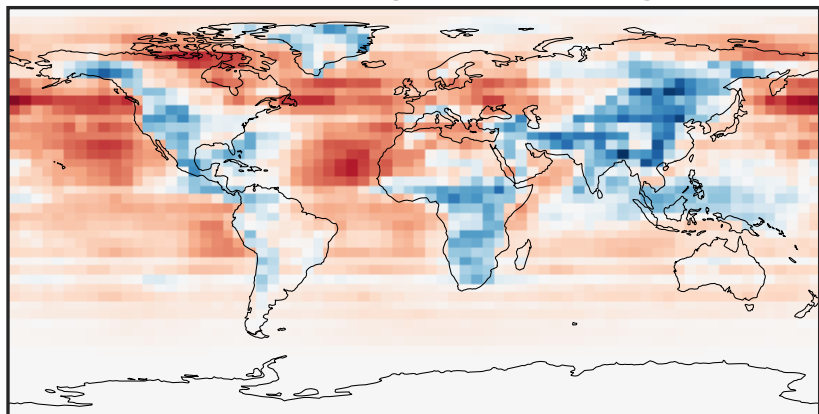
0.0 1.5 3.0 $1e-5$
s-1

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



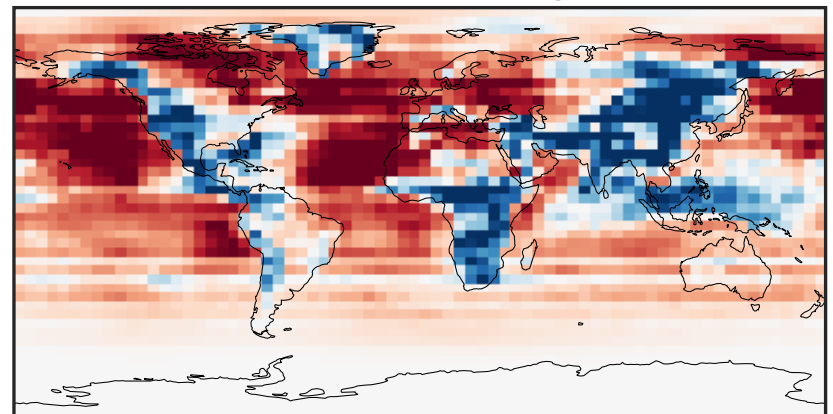
0.0 1.5 3.0 $1e-5$
s-1

Difference
Dev - Ref, Dynamic Range



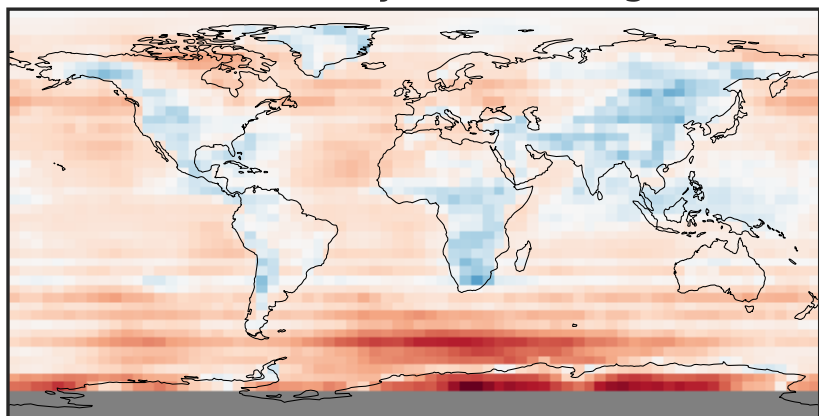
-1 0 1 $1e-6$
s-1

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



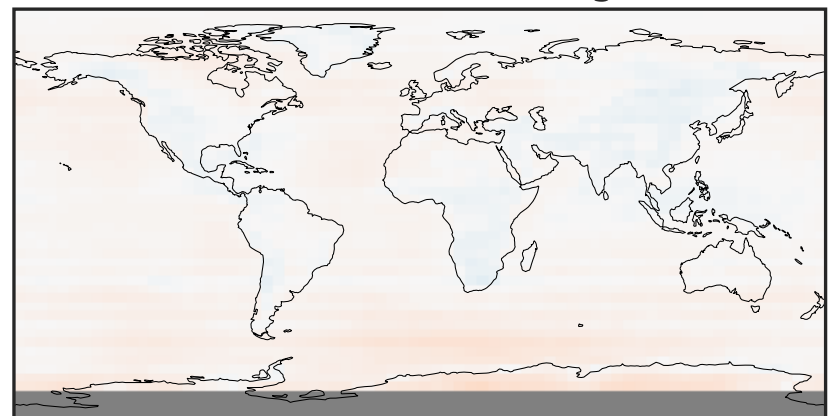
-5 0 5 $1e-7$
s-1

Ratio
Dev/Ref, Dynamic Range



0.8778 0.9389 1.0000 1.0696 1.1392
unitless

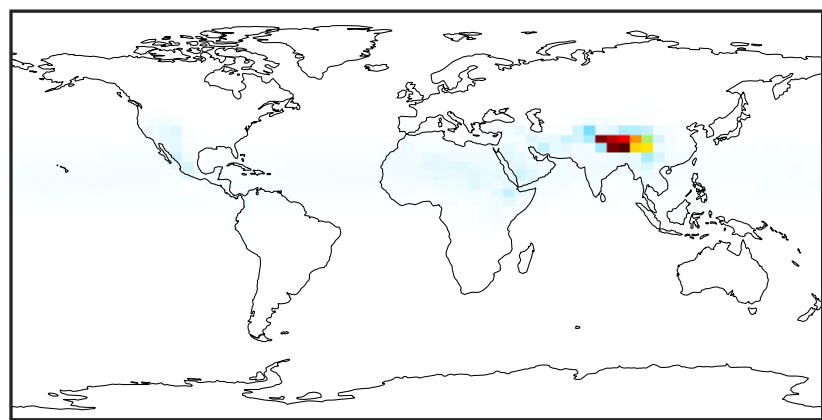
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

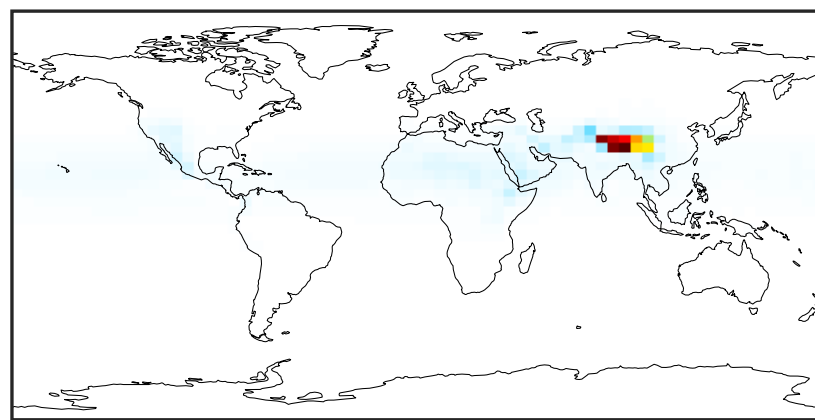
Jval_NO (Jul2019)

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



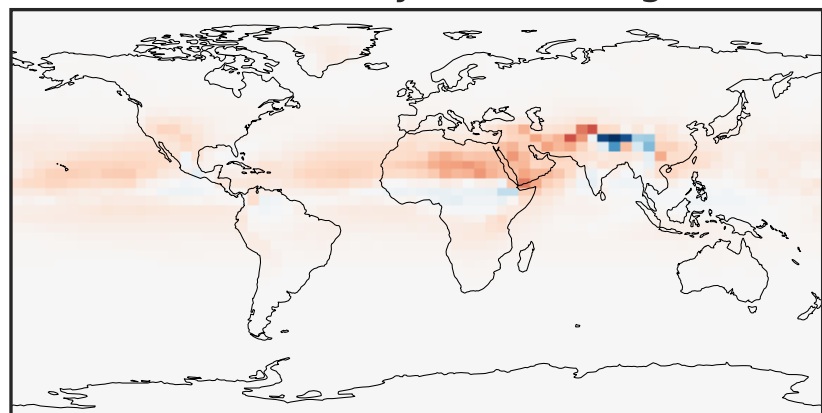
0.0 0.4 0.8 1.2
s-1 1e-16

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



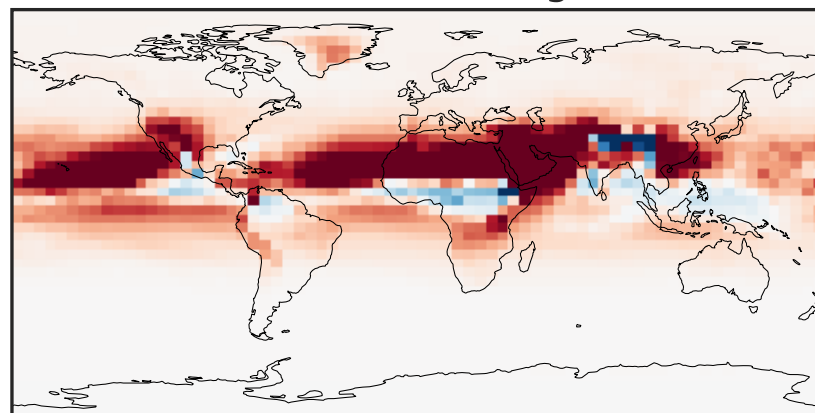
0.0 0.4 0.8 1.2
s-1 1e-16

Difference
Dev - Ref, Dynamic Range



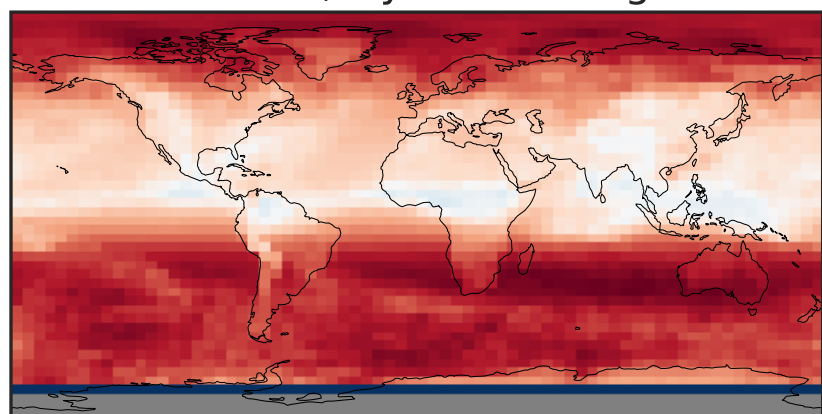
-8 0 8
s-1 1e-19

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



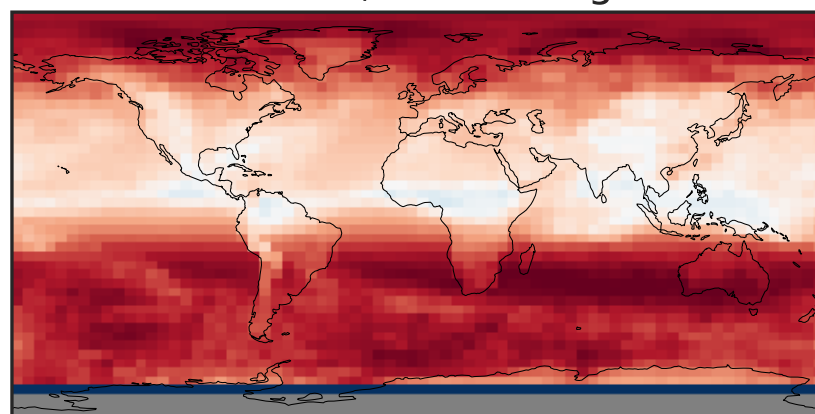
-1.5 0.0 1.5
s-1 1e-19

Ratio
Dev/Ref, Dynamic Range



0.488 0.744 1.000 1.524 2.048
unitless

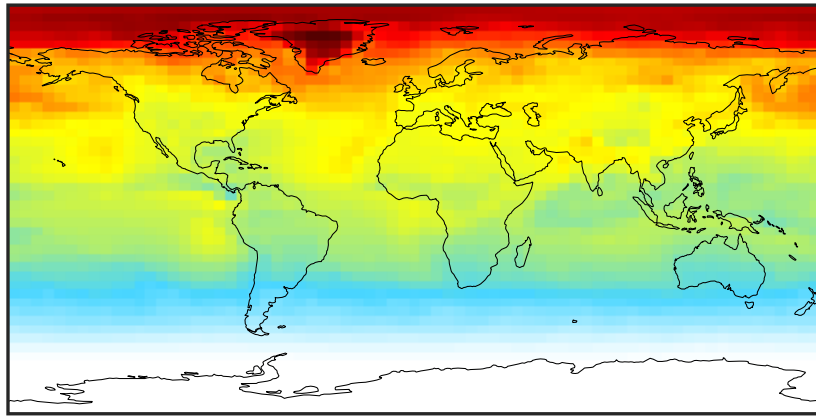
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

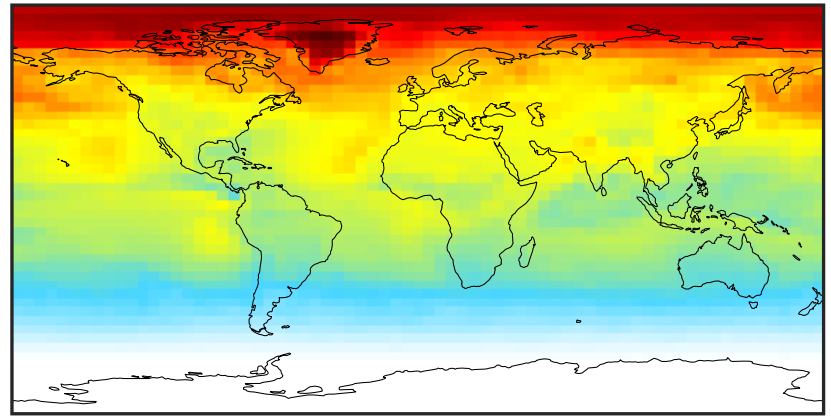
Jval_NO2 (Jul2019)

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



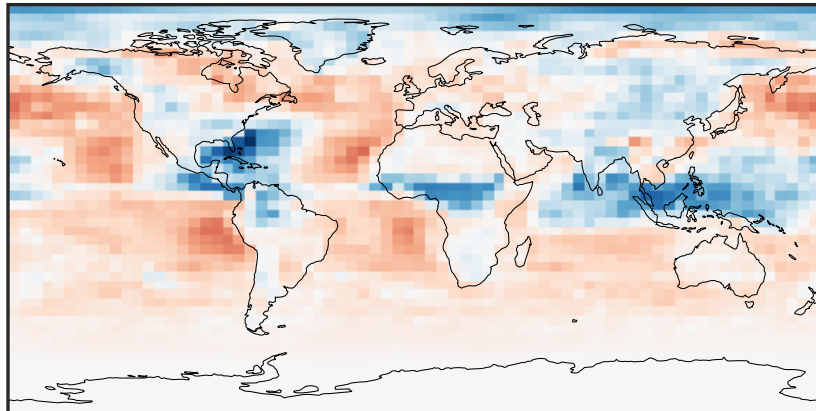
0.000 0.003 0.006 0.009
s-1

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



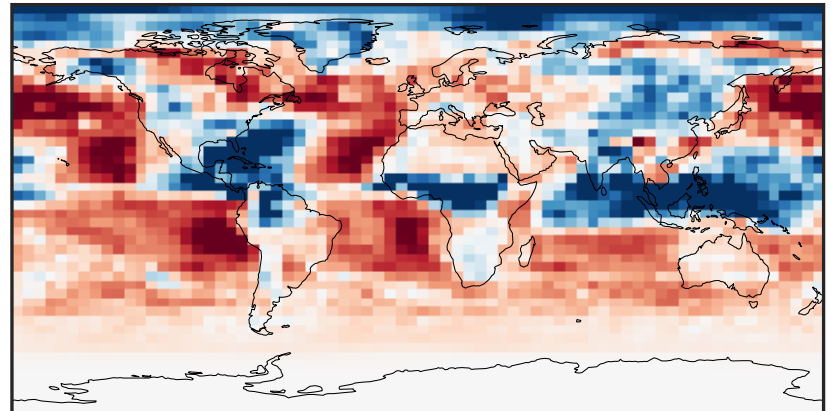
0.000 0.003 0.006 0.009
s-1

Difference
Dev - Ref, Dynamic Range



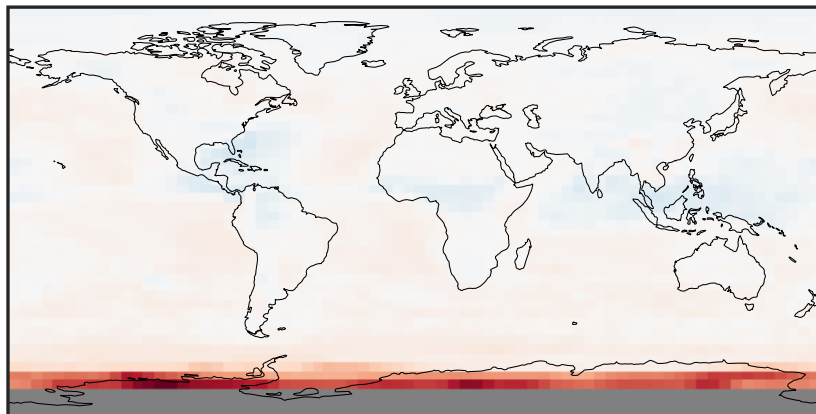
-0.00015 0.00000 0.00015
s-1

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



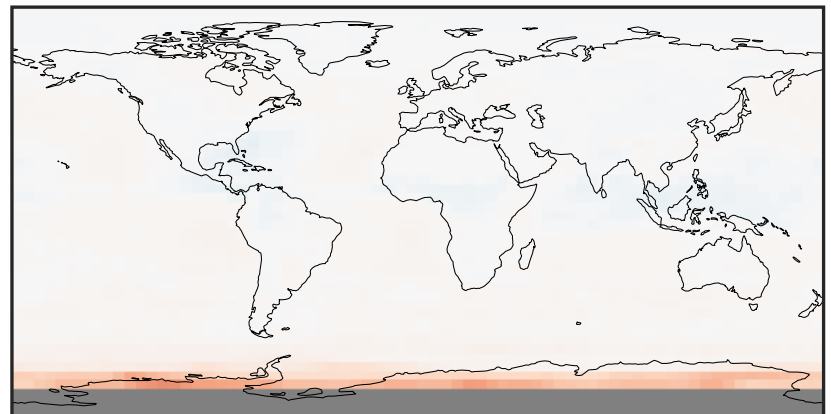
-6 0 6
s-1 1e-5

Ratio
Dev/Ref, Dynamic Range



0.7253 0.8626 1.000 1.1894 1.3788
unitless

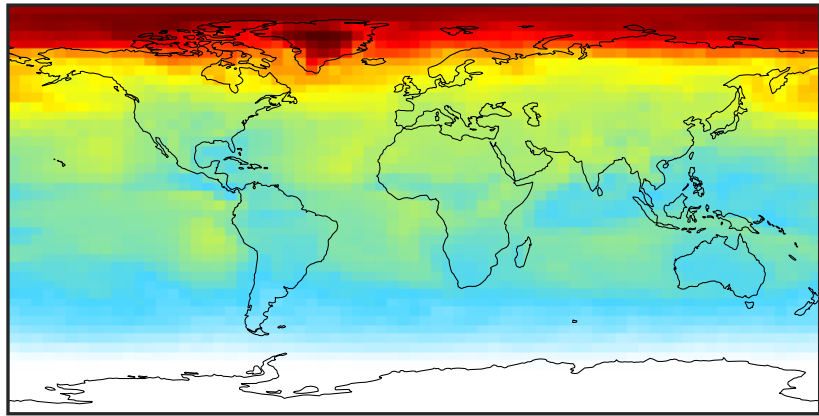
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

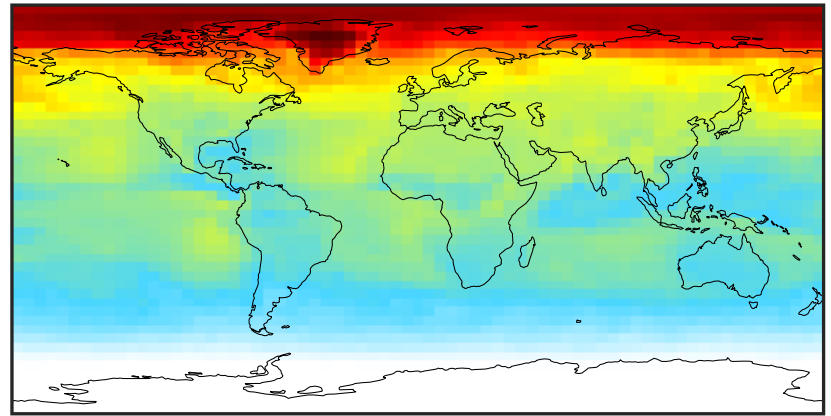
Jval_NO3 (Jul2019)

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



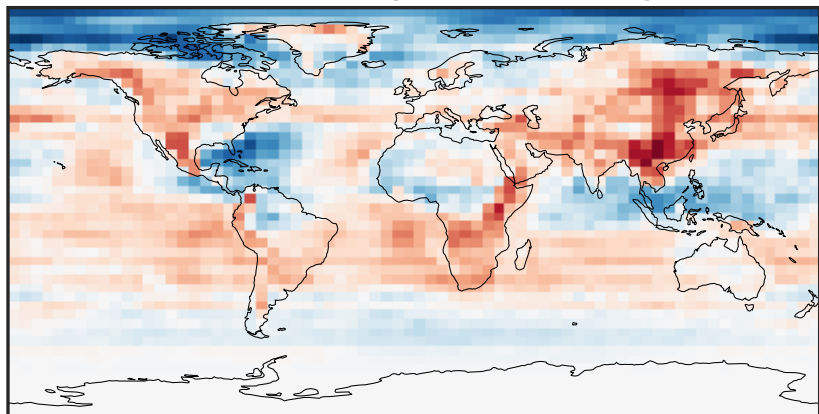
0.0000 0.0803 0.1605 0.2408 0.3211
s-1

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



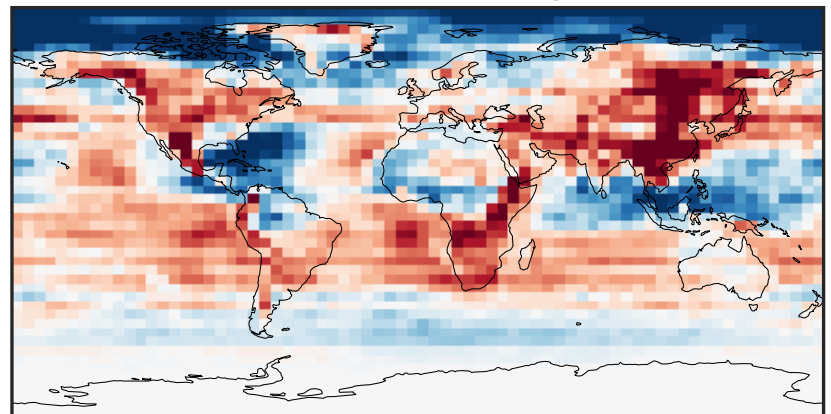
0.0000 0.0803 0.1605 0.2408 0.3211
s-1

Difference
Dev - Ref, Dynamic Range



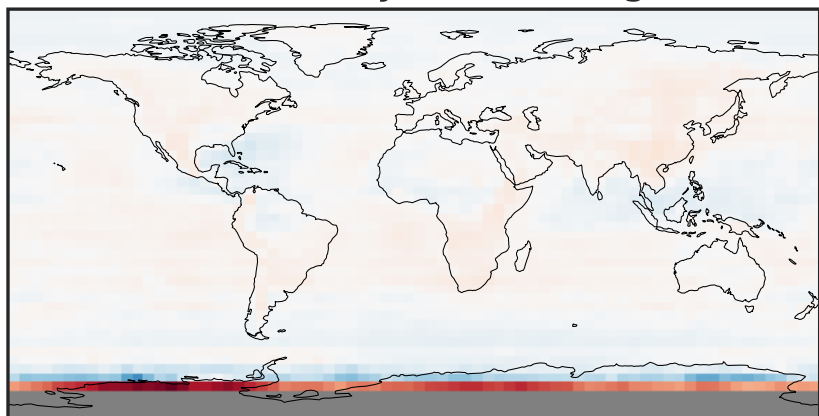
-0.004 0.000 0.004
s-1

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



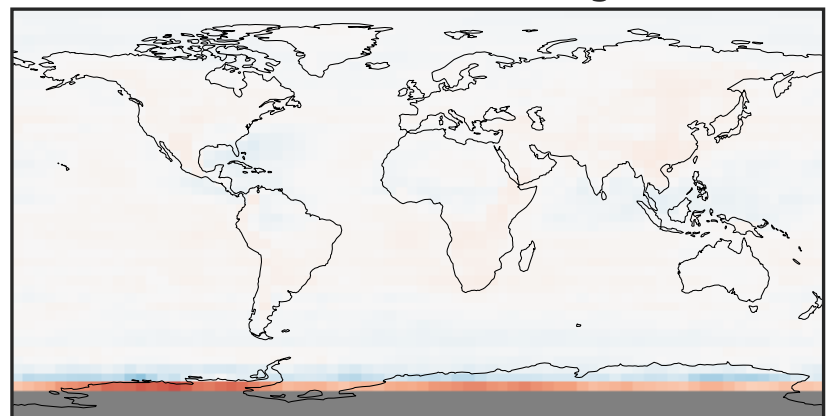
-0.0025 0.0000 0.0025
s-1

Ratio
Dev/Ref, Dynamic Range



0.6381 0.8191 1.0000 1.2835 1.5671
unitless

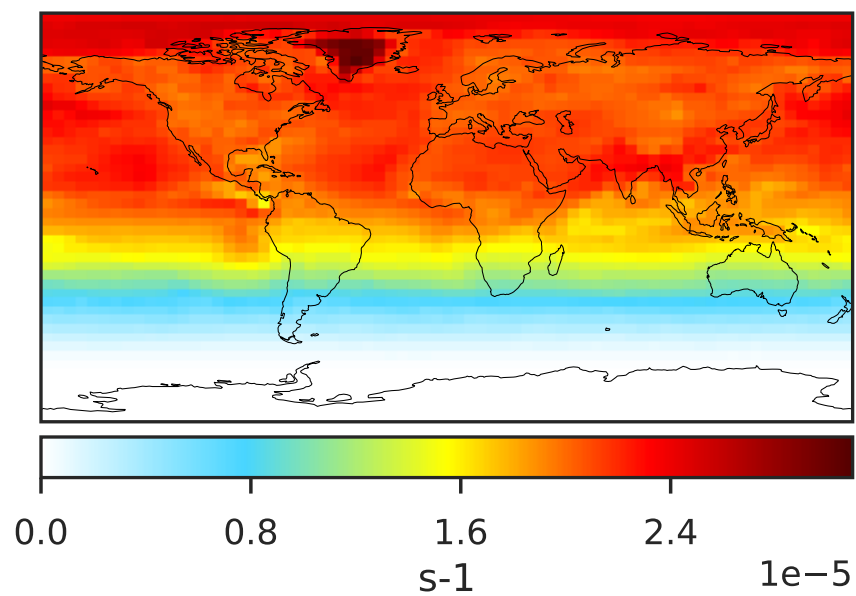
Ratio
Dev/Ref, Fixed Range



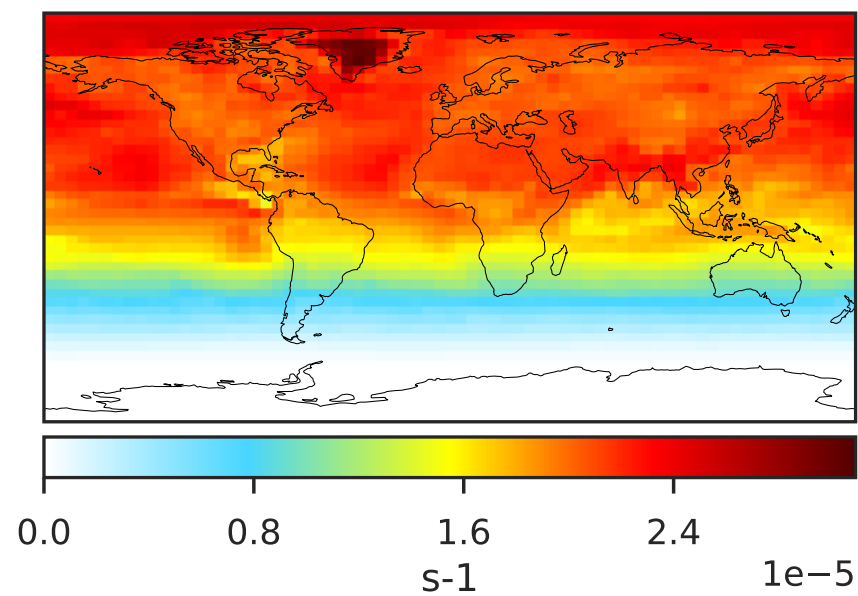
0.50 0.75 1.00 1.50 2.00
unitless

Jval_NPHEN (Jul2019)

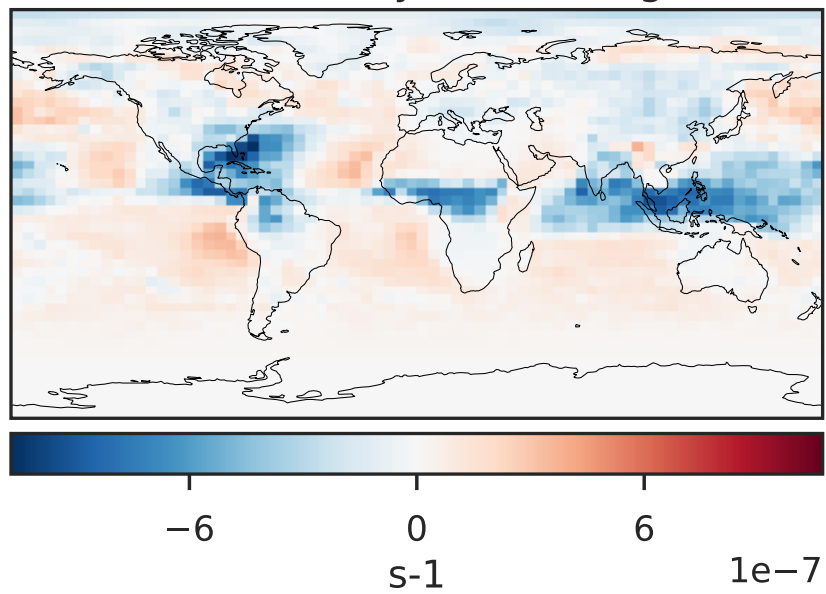
14.2.0-rc.2 (Ref)
4.0x5.0



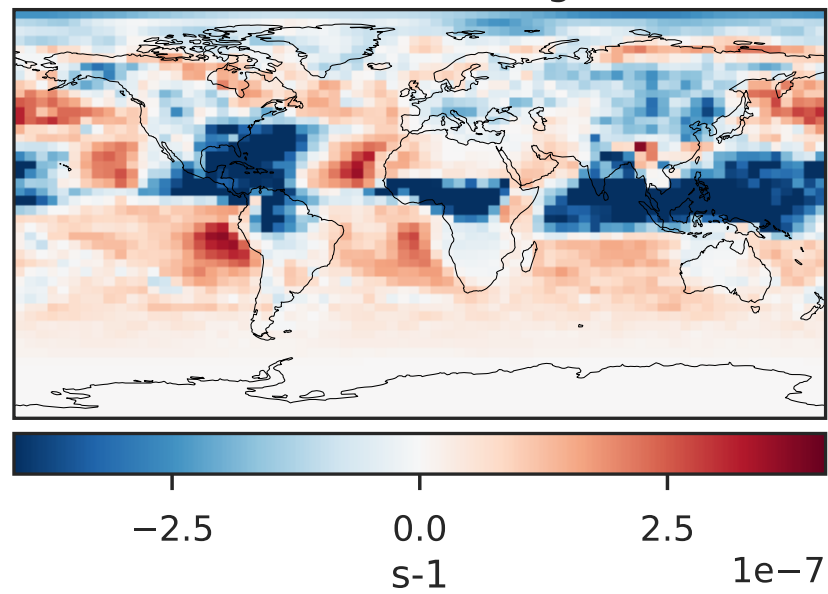
14.3.0-rc.0 (Dev)
4.0x5.0



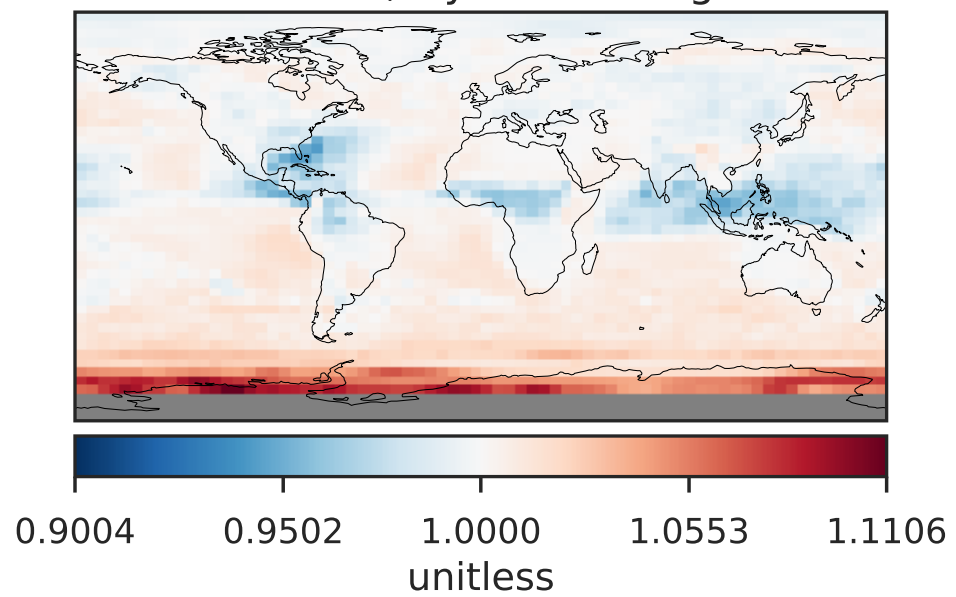
Difference
Dev - Ref, Dynamic Range



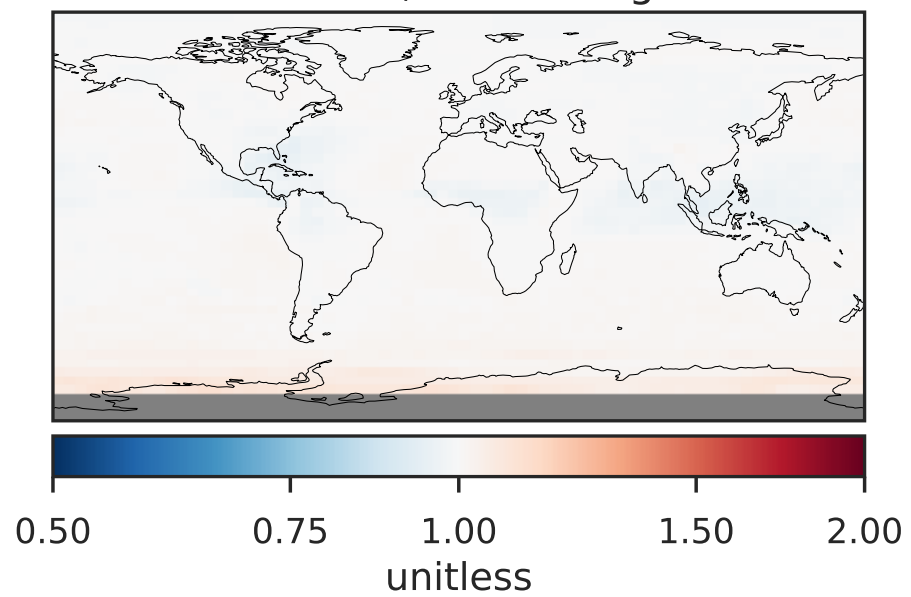
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

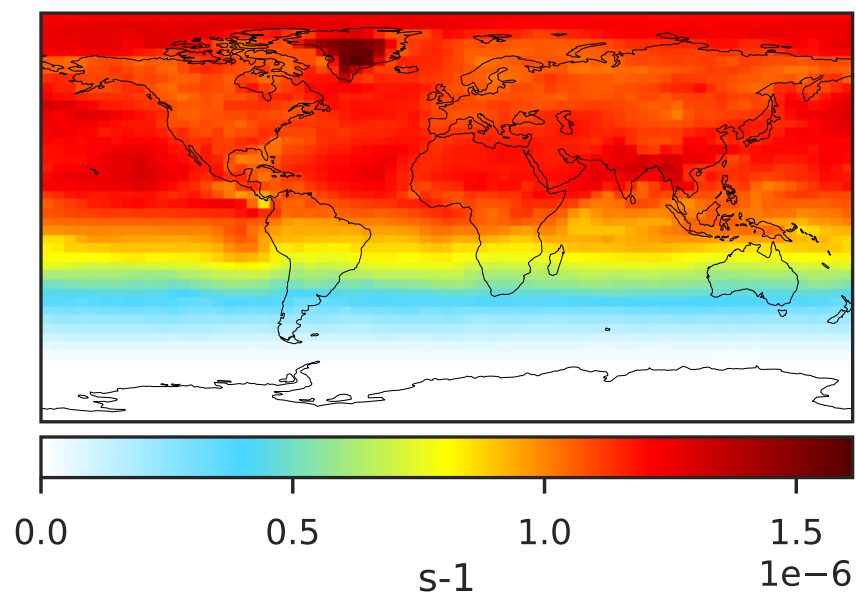


Ratio
Dev/Ref, Fixed Range

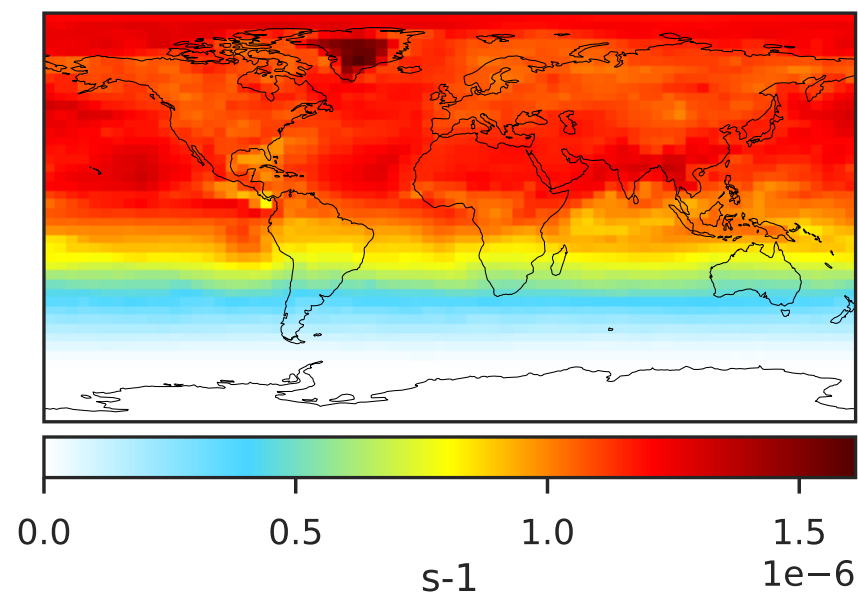


Jval_NPRNO3 (Jul2019)

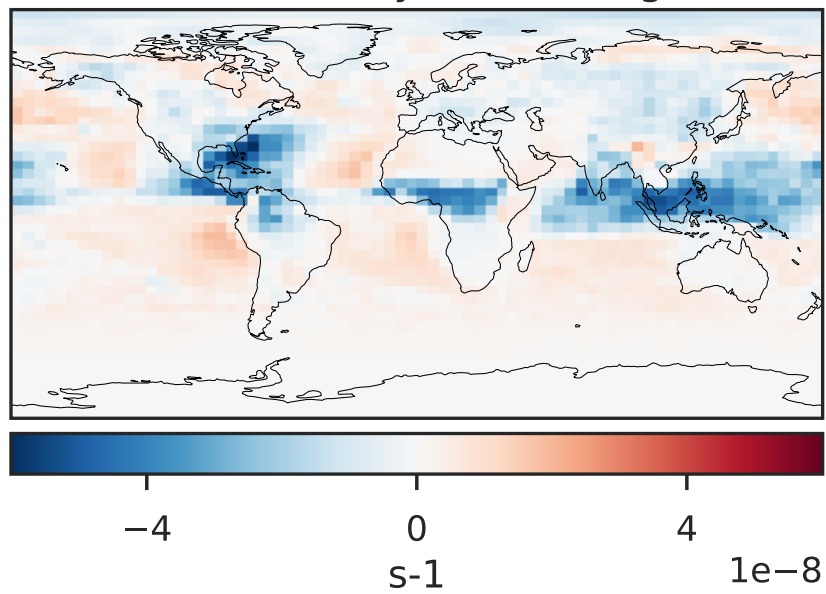
14.2.0-rc.2 (Ref)
4.0x5.0



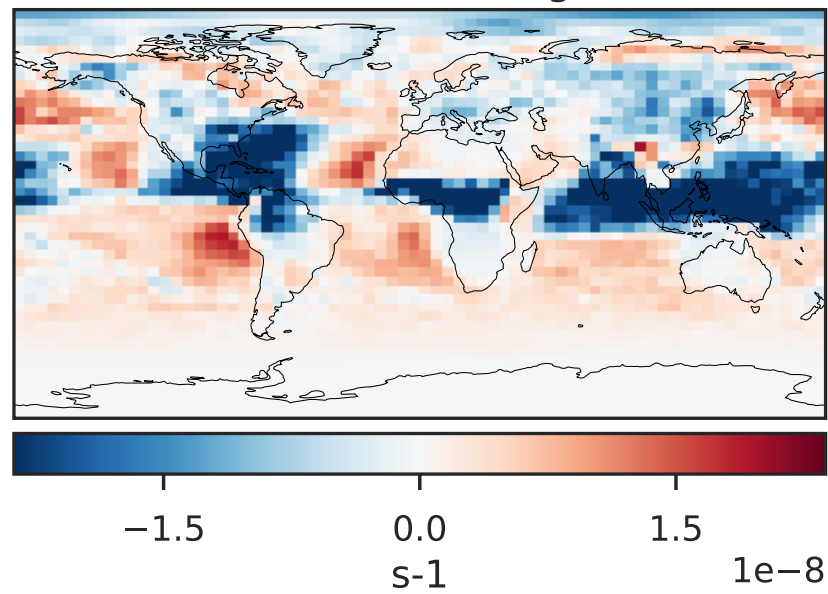
14.3.0-rc.0 (Dev)
4.0x5.0



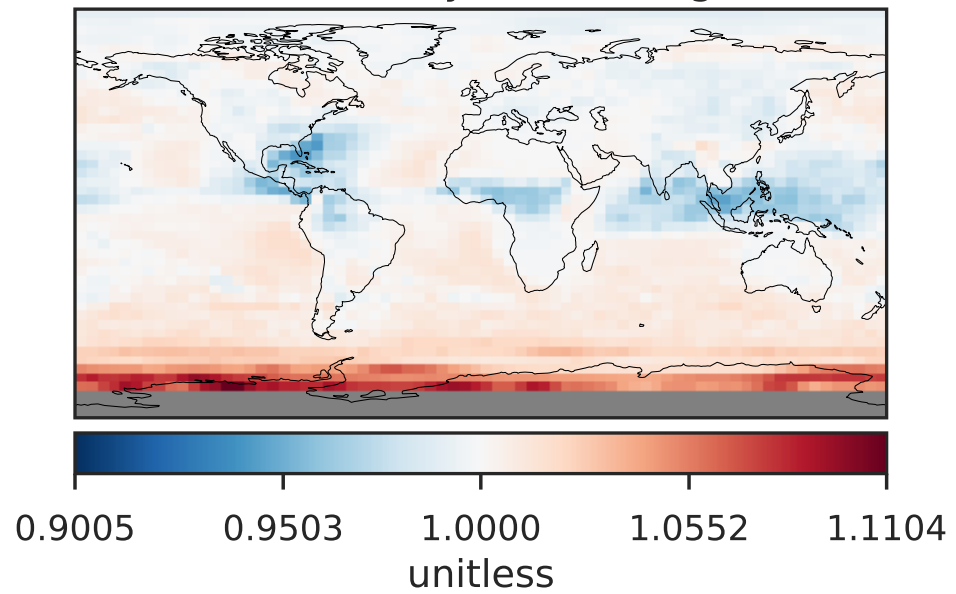
Difference
Dev - Ref, Dynamic Range



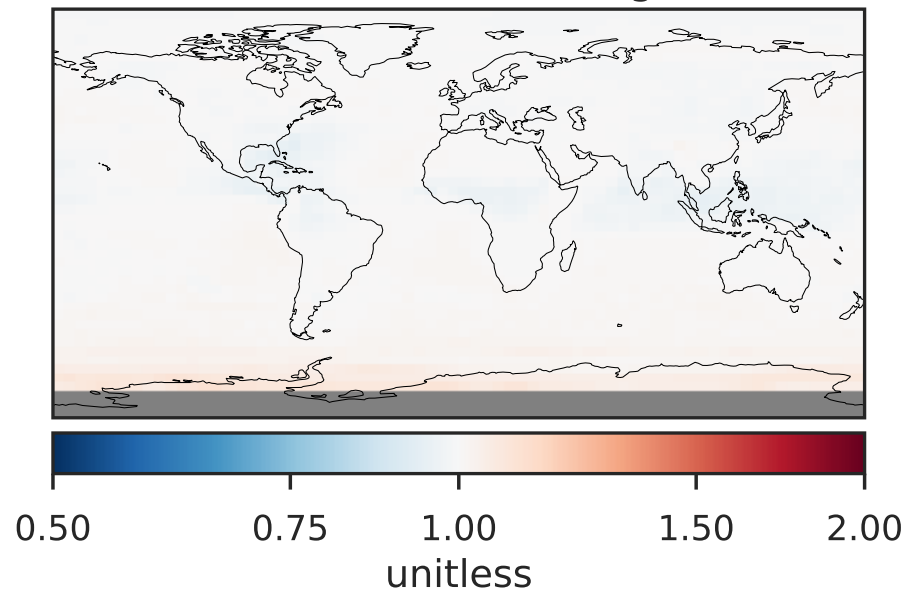
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

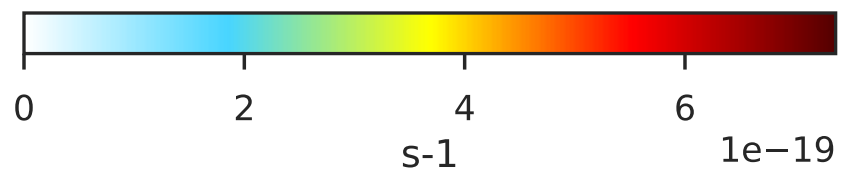
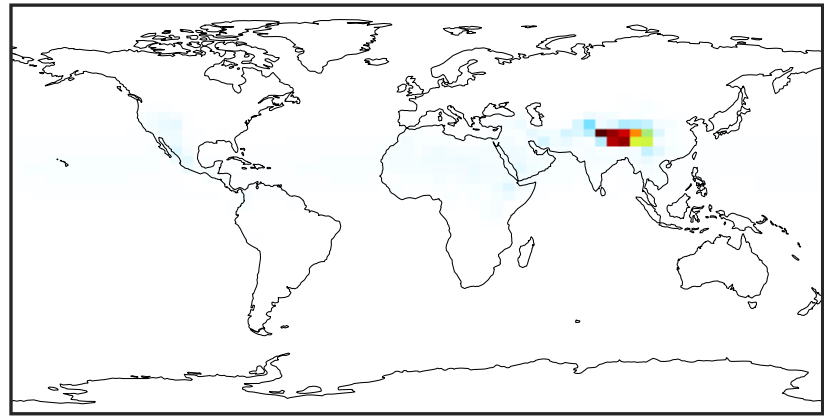


Ratio
Dev/Ref, Fixed Range

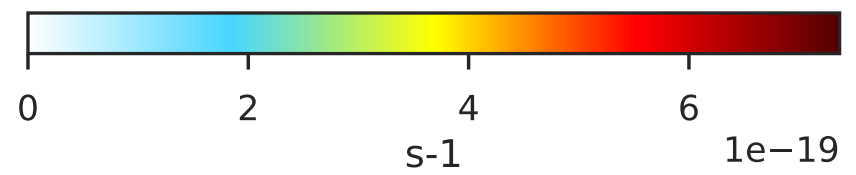
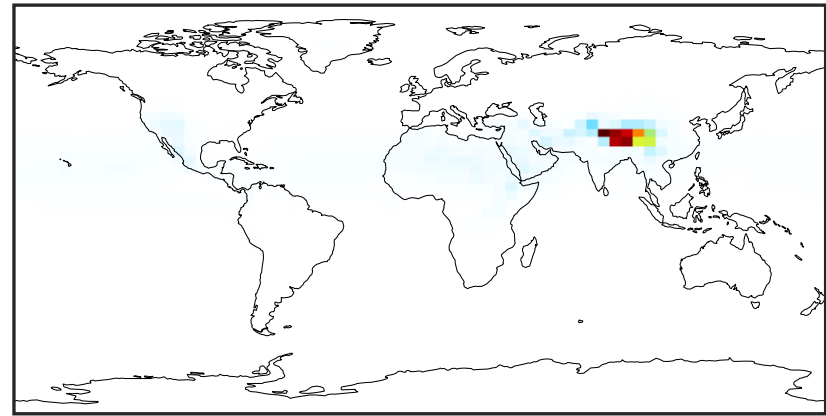


Jval_O2 (Jul2019)

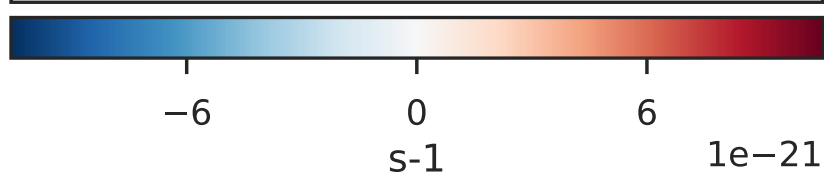
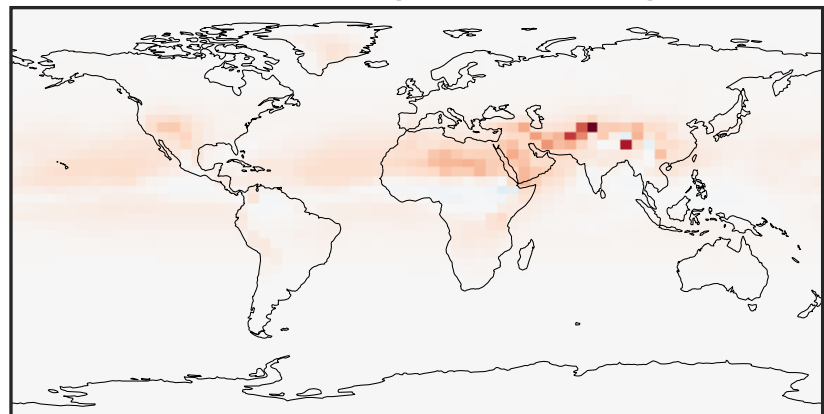
14.2.0-rc.2 (Ref)
4.0x5.0



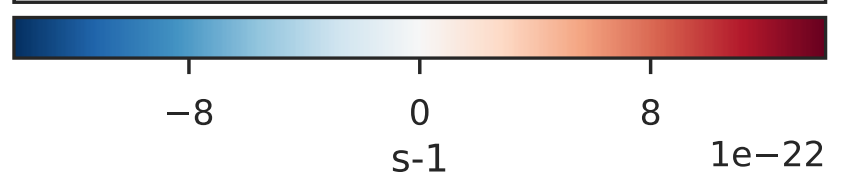
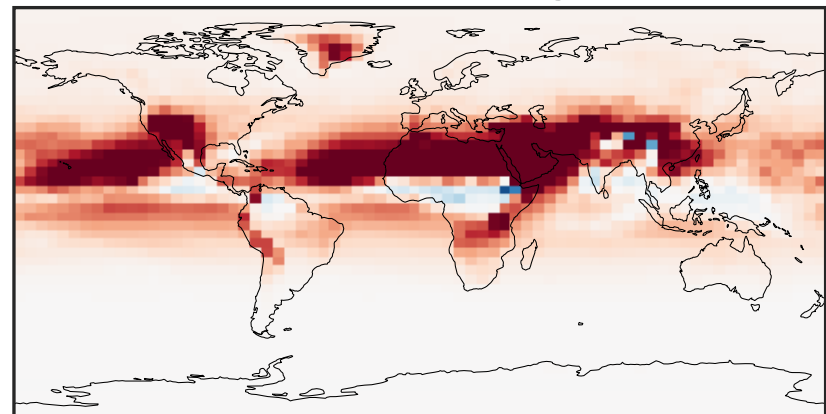
14.3.0-rc.0 (Dev)
4.0x5.0



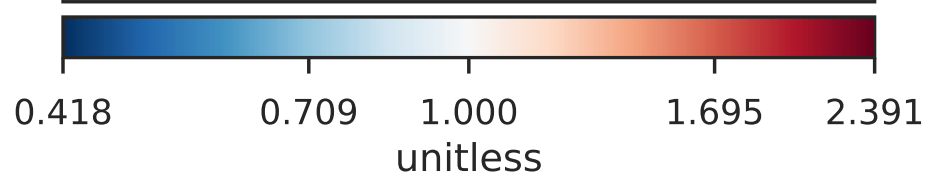
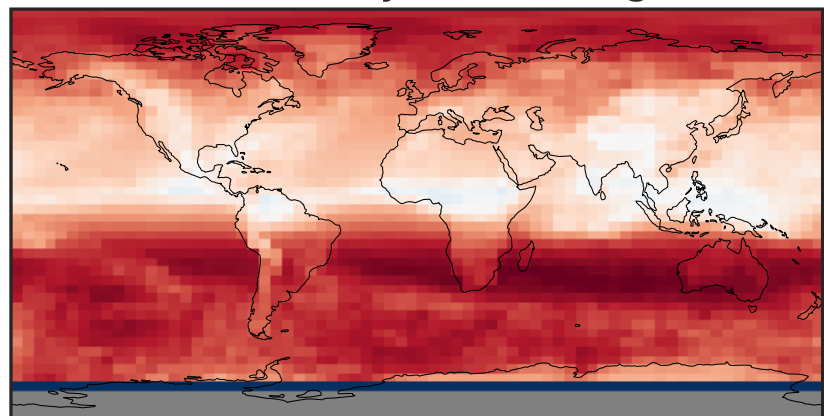
Difference
Dev - Ref, Dynamic Range



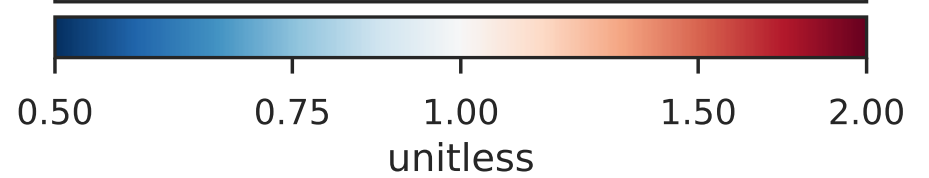
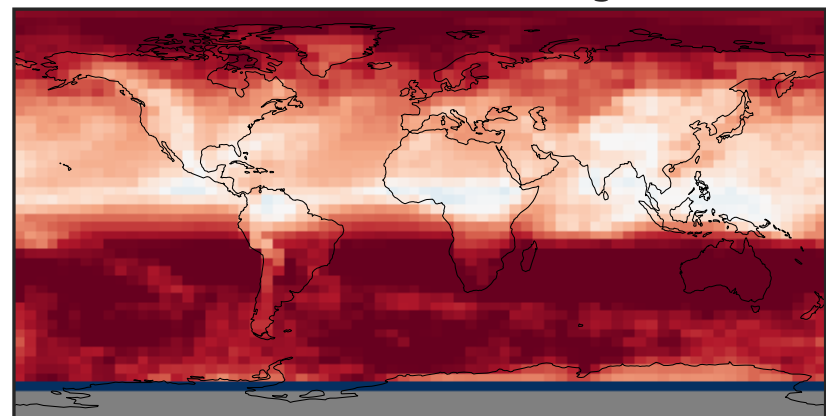
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

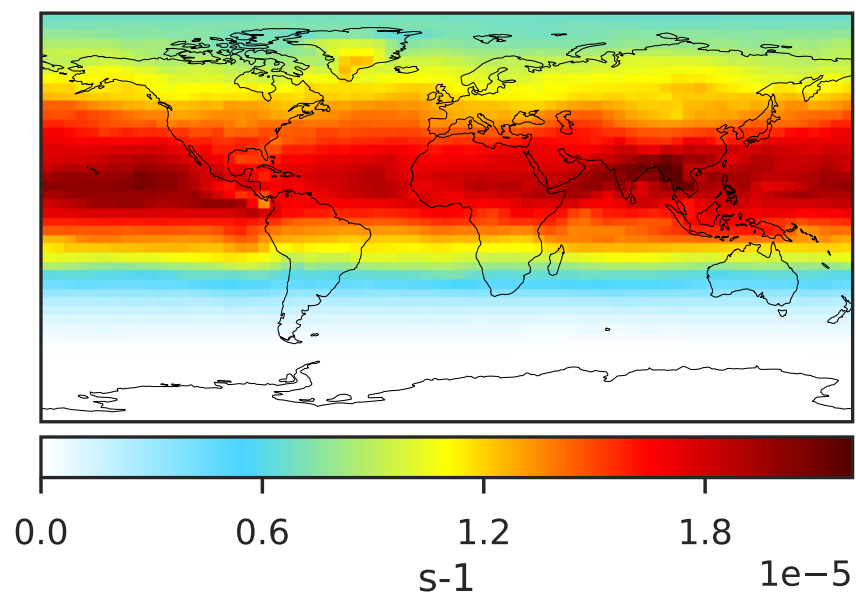


Ratio
Dev/Ref, Fixed Range

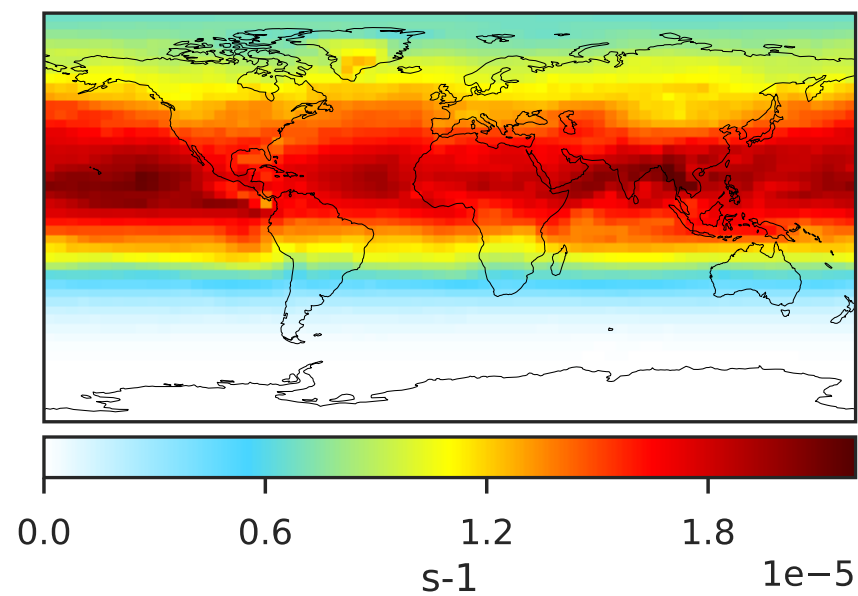


Jval_O3 (Jul2019)

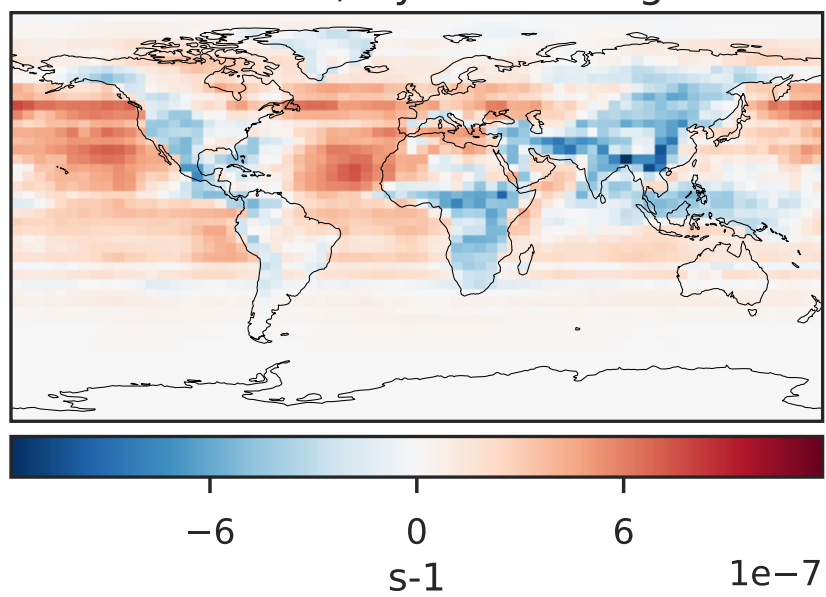
14.2.0-rc.2 (Ref)
4.0x5.0



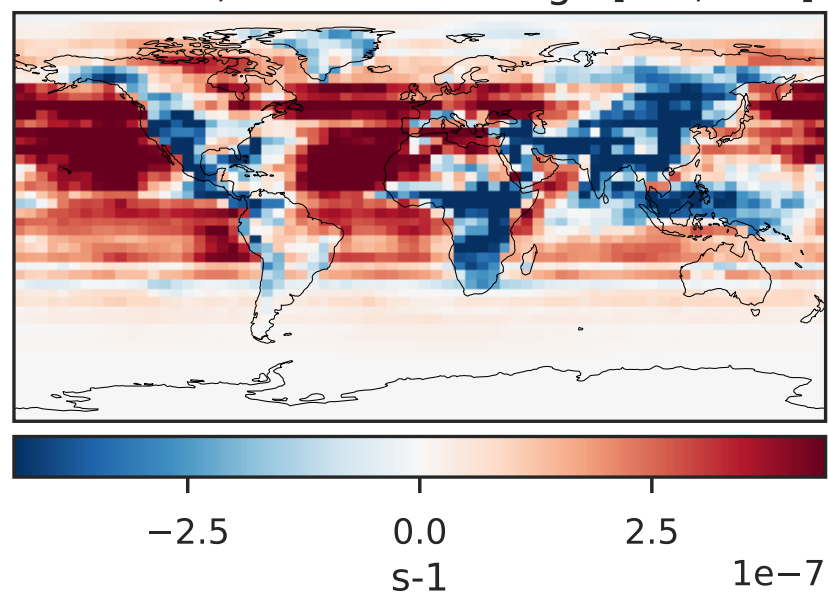
14.3.0-rc.0 (Dev)
4.0x5.0



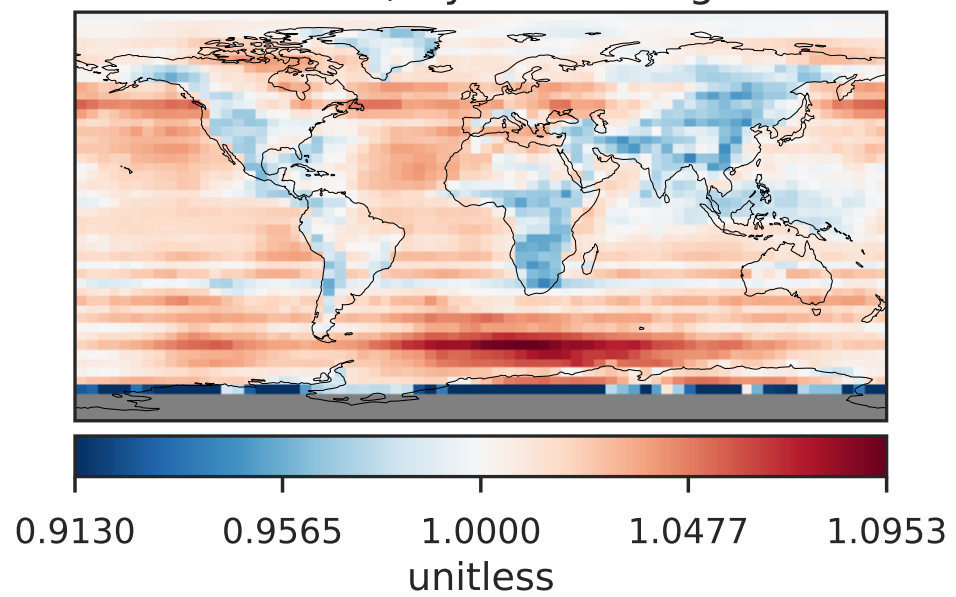
Difference
Dev - Ref, Dynamic Range



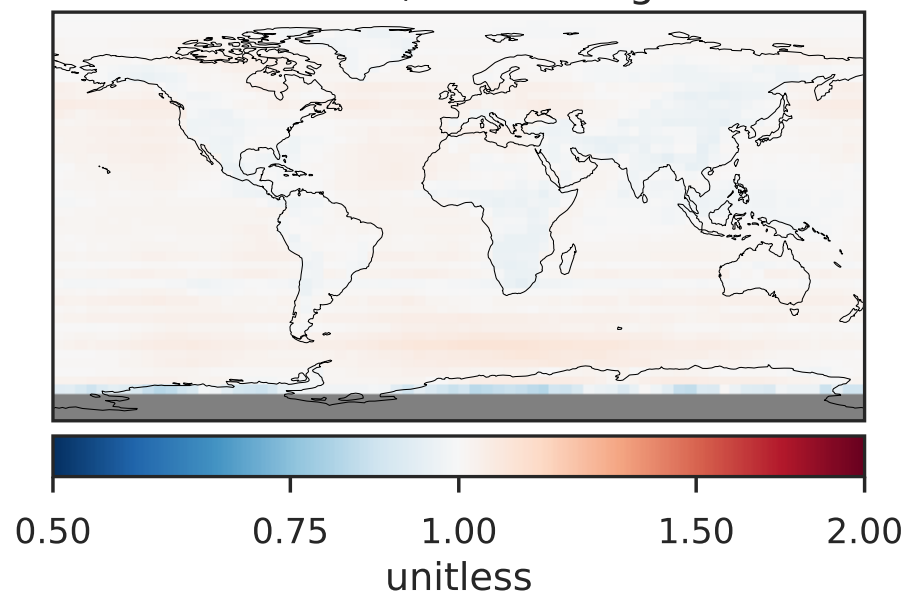
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

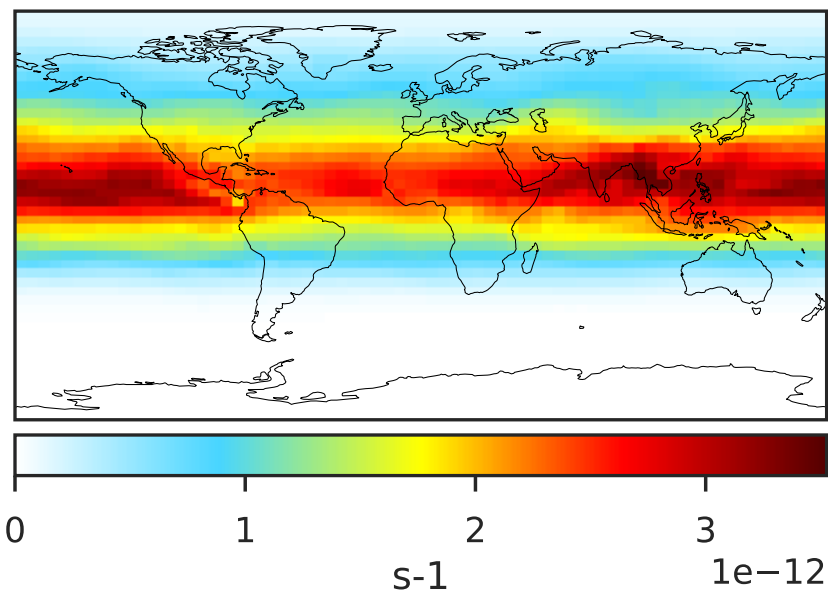


Ratio
Dev/Ref, Fixed Range

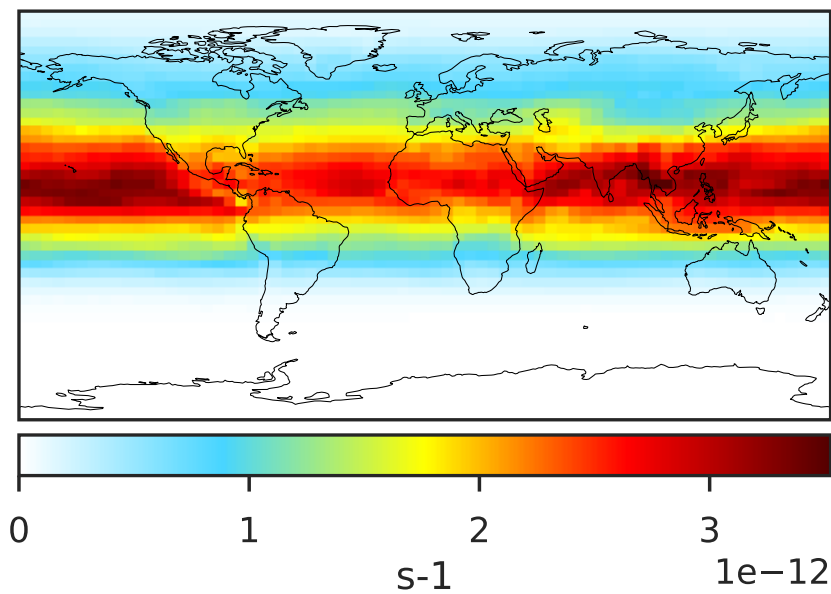


Jval_OCS (Jul2019)

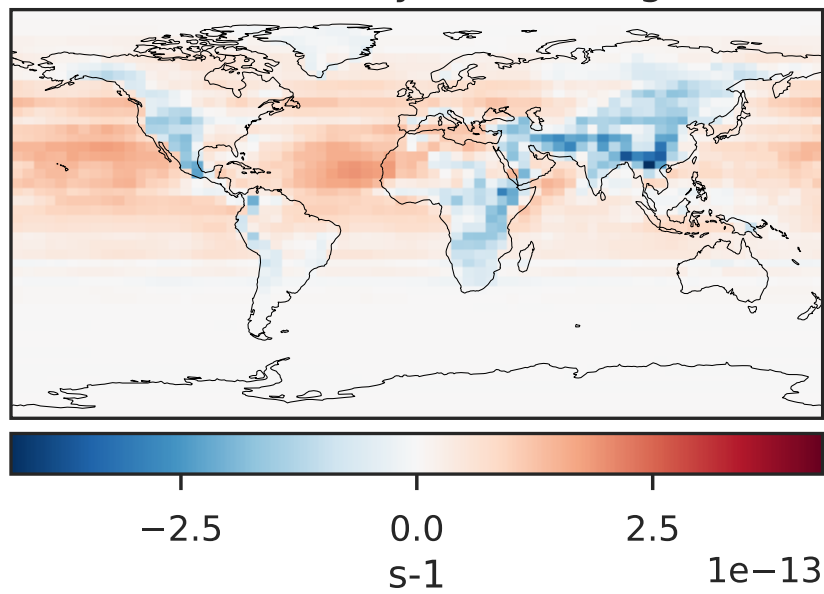
14.2.0-rc.2 (Ref)
4.0x5.0



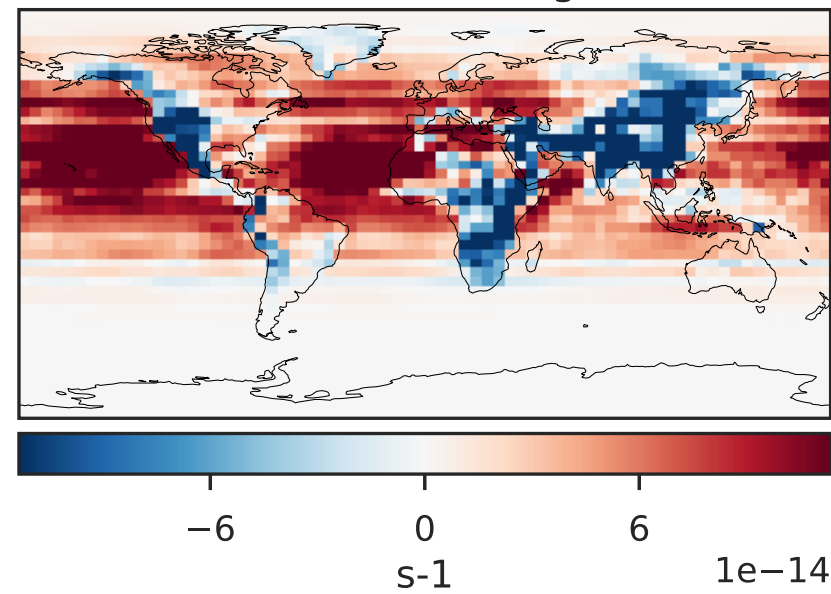
14.3.0-rc.0 (Dev)
4.0x5.0



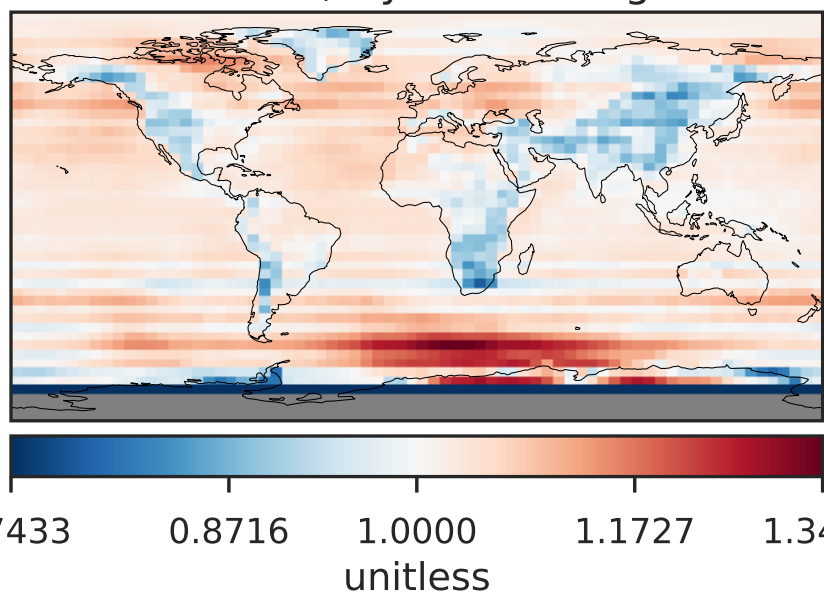
Difference
Dev - Ref, Dynamic Range



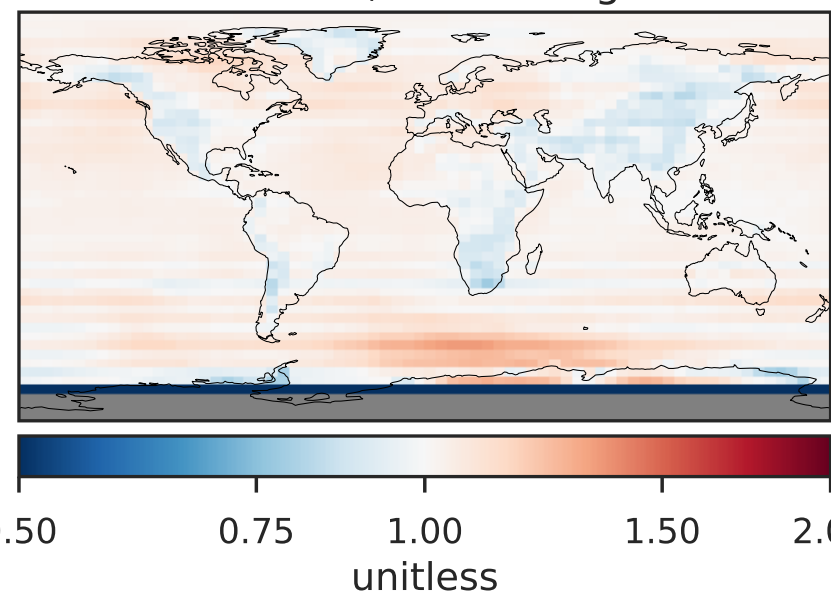
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

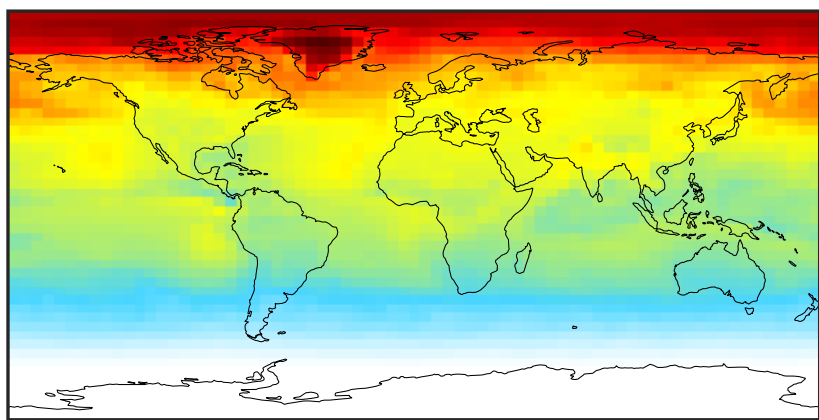


Ratio
Dev/Ref, Fixed Range



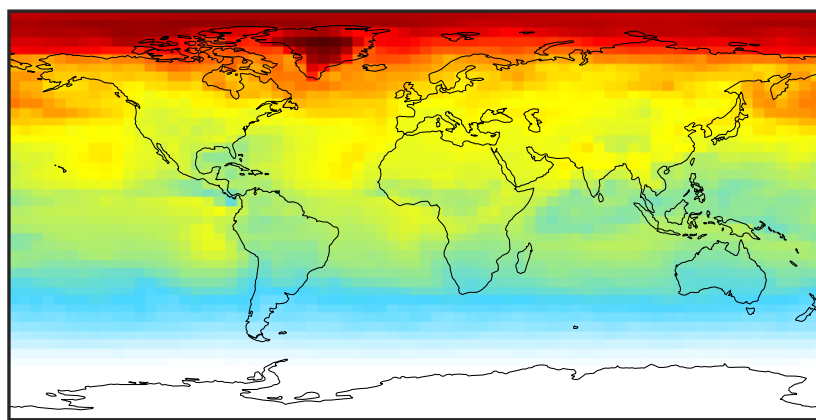
Jval_OCIO (Jul2019)

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



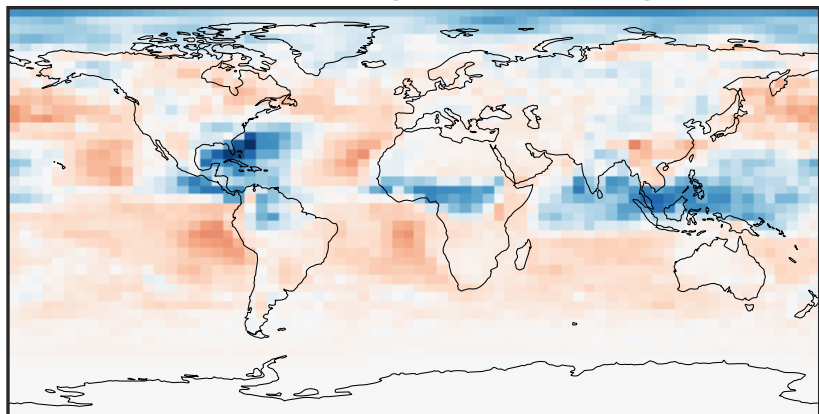
0.0000 0.0264 0.0527 0.0791 0.1055
s-1

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



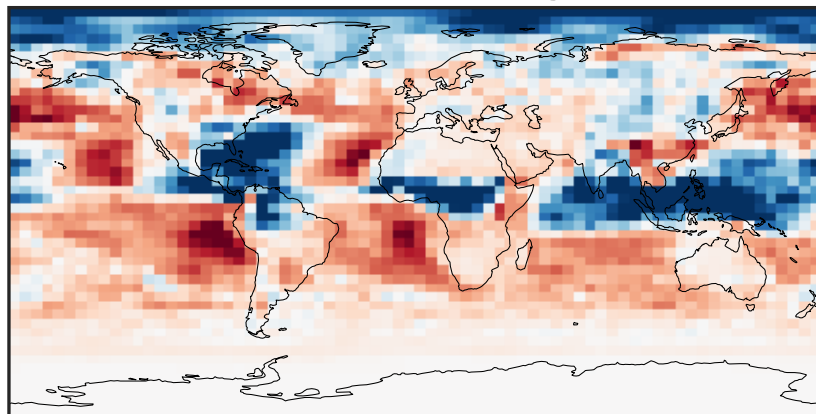
0.0000 0.0264 0.0527 0.0791 0.1055
s-1

Difference
Dev - Ref, Dynamic Range



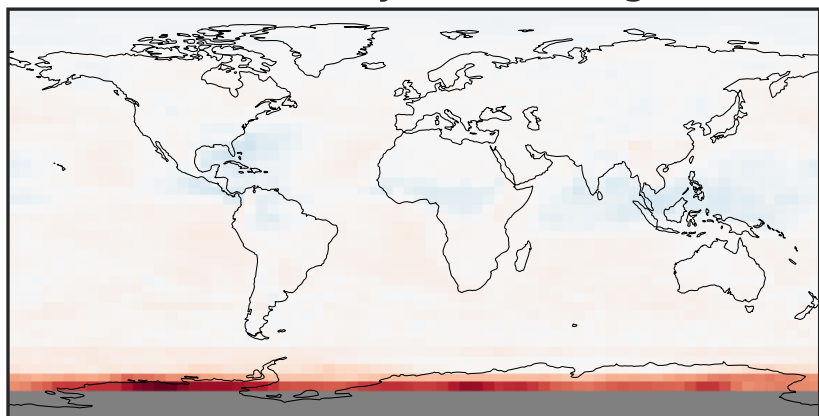
-0.0015 0.0000 0.0015
s-1

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



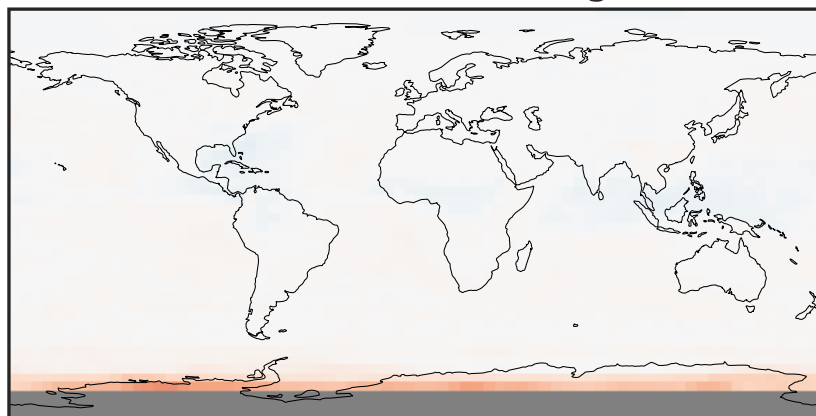
-0.0006 0.0000 0.0006
s-1

Ratio
Dev/Ref, Dynamic Range



0.7271 0.8636 1.0000 1.1876 1.3752
unitless

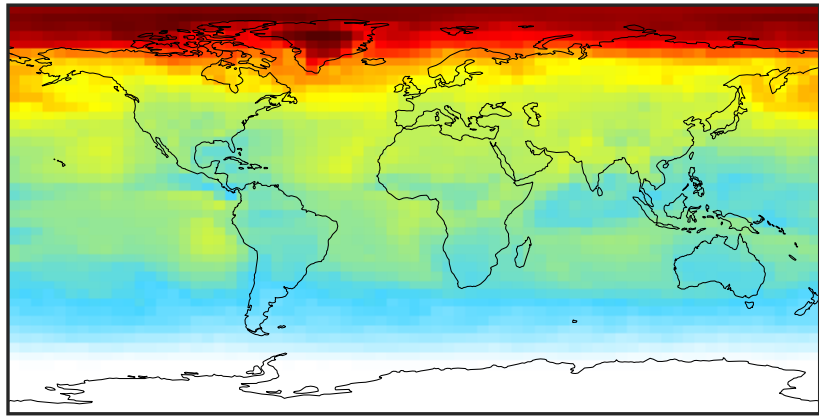
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

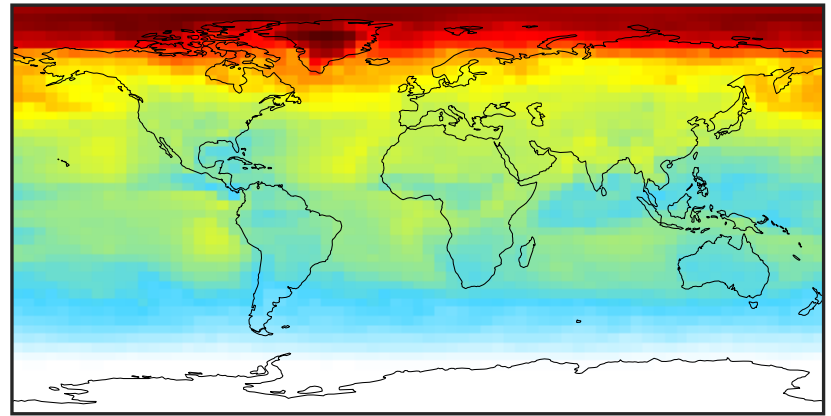
Jval_OIO (Jul2019)

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



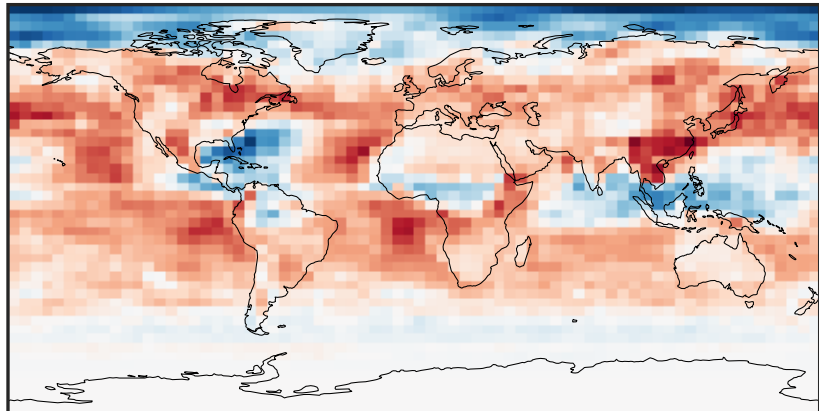
0.0000 0.0784 0.1568 0.2352 0.3136
s-1

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



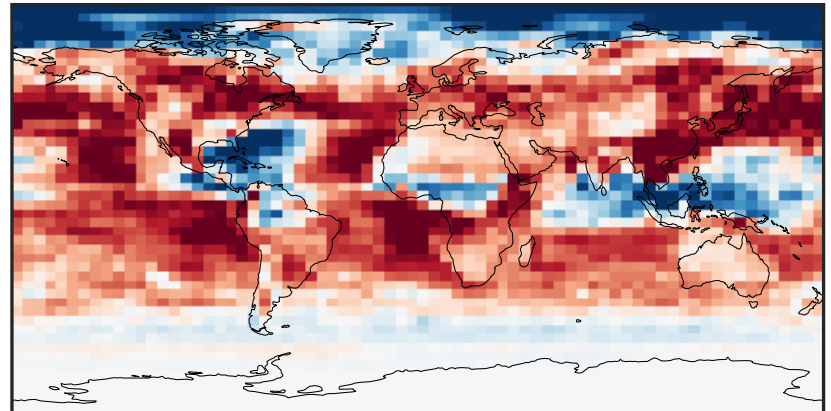
0.0000 0.0784 0.1568 0.2352 0.3136
s-1

Difference
Dev - Ref, Dynamic Range



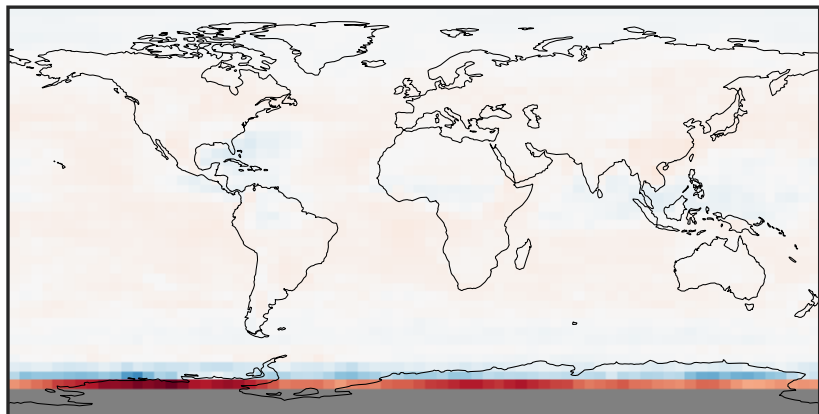
-0.003 0.000 0.003
s-1

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



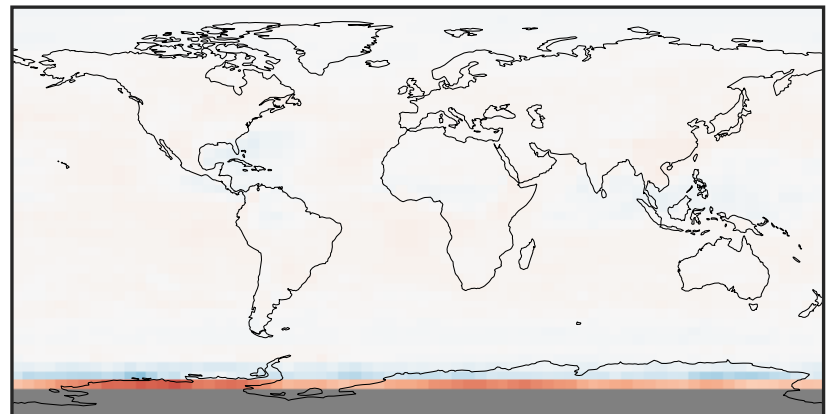
-0.002 0.000 0.002
s-1

Ratio
Dev/Ref, Dynamic Range



0.6424 0.8212 1.0000 1.2784 1.5567
unitless

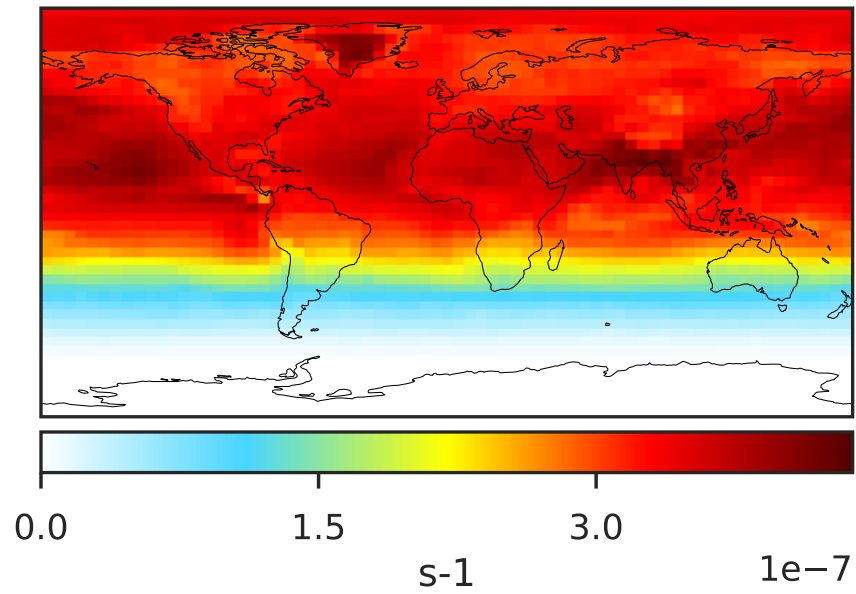
Ratio
Dev/Ref, Fixed Range



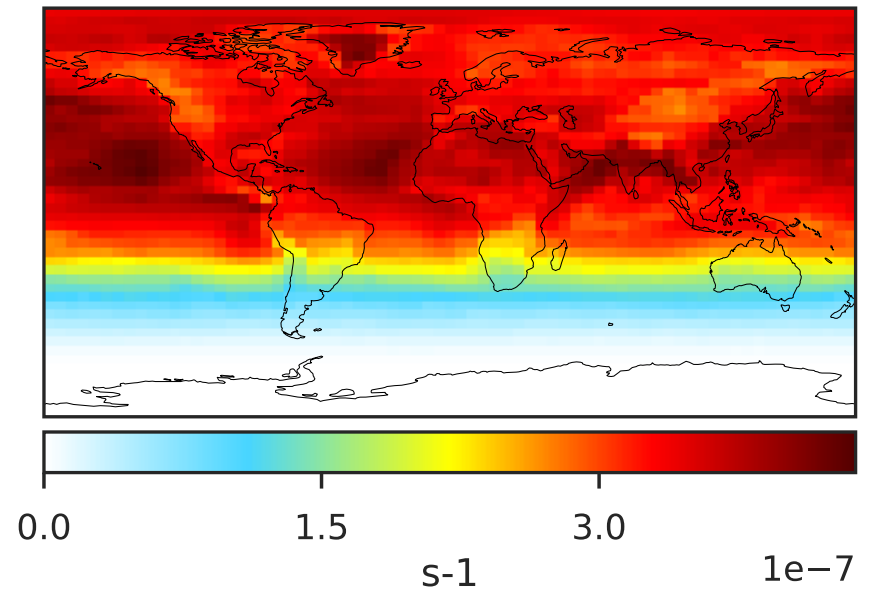
0.50 0.75 1.00 1.50 2.00
unitless

Jval_PAN (Jul2019)

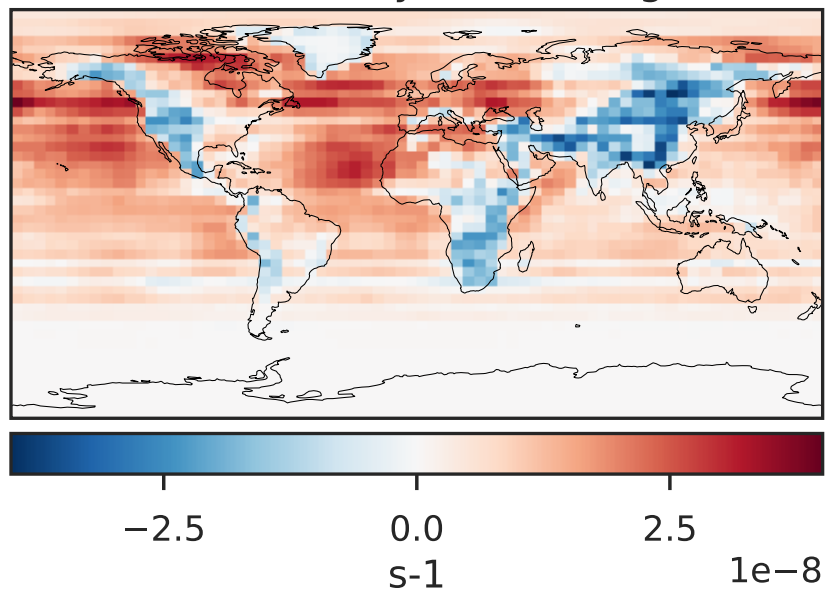
14.2.0-rc.2 (Ref)
4.0x5.0



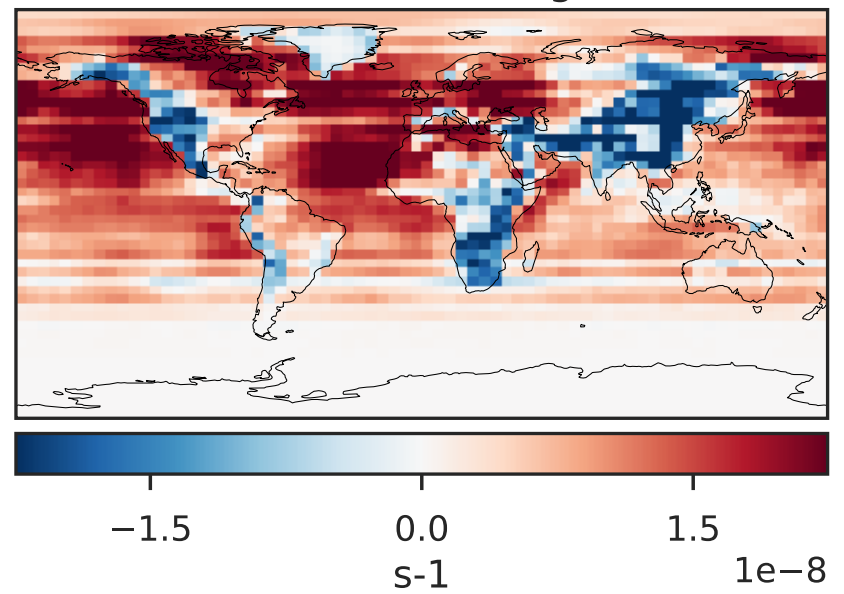
14.3.0-rc.0 (Dev)
4.0x5.0



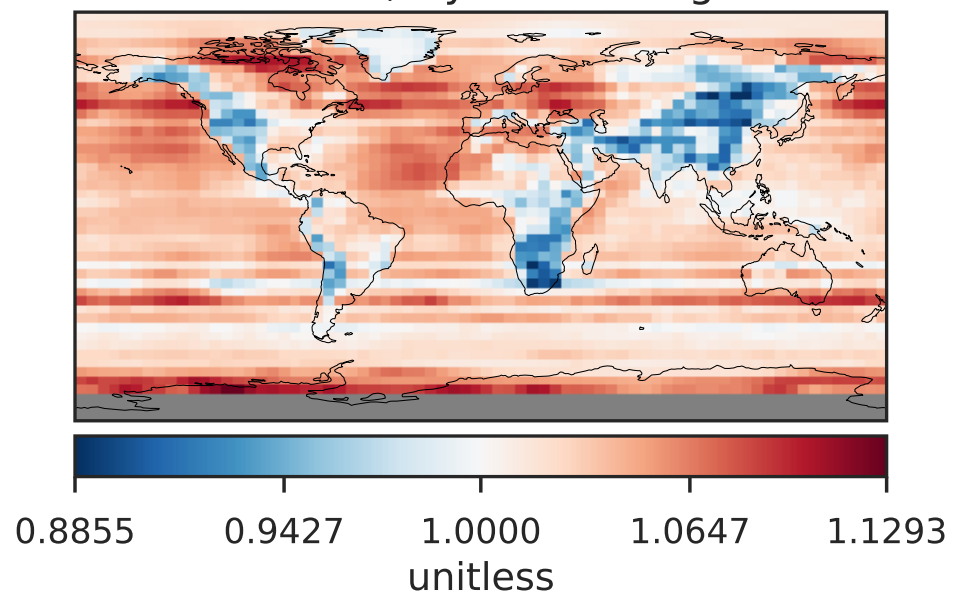
Difference
Dev - Ref, Dynamic Range



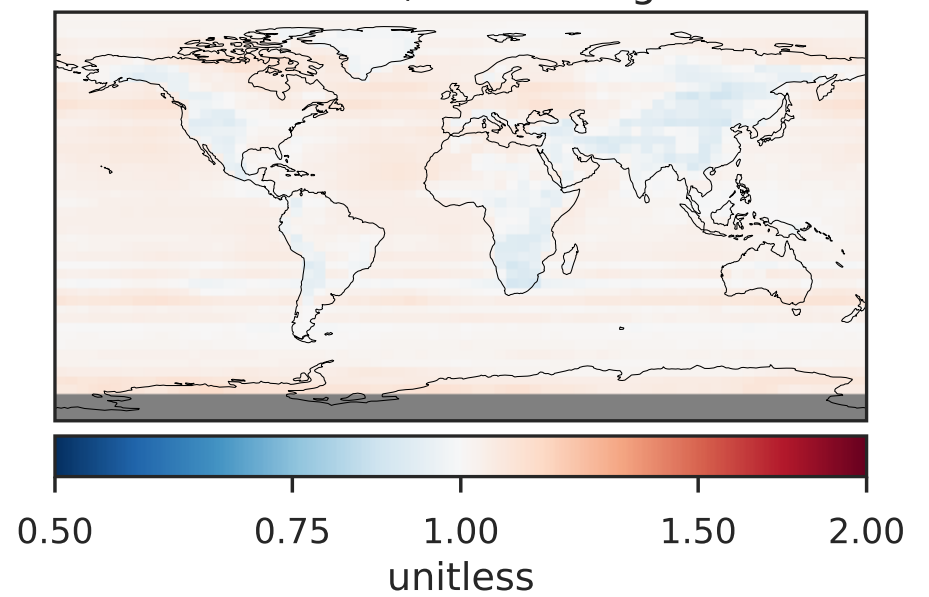
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

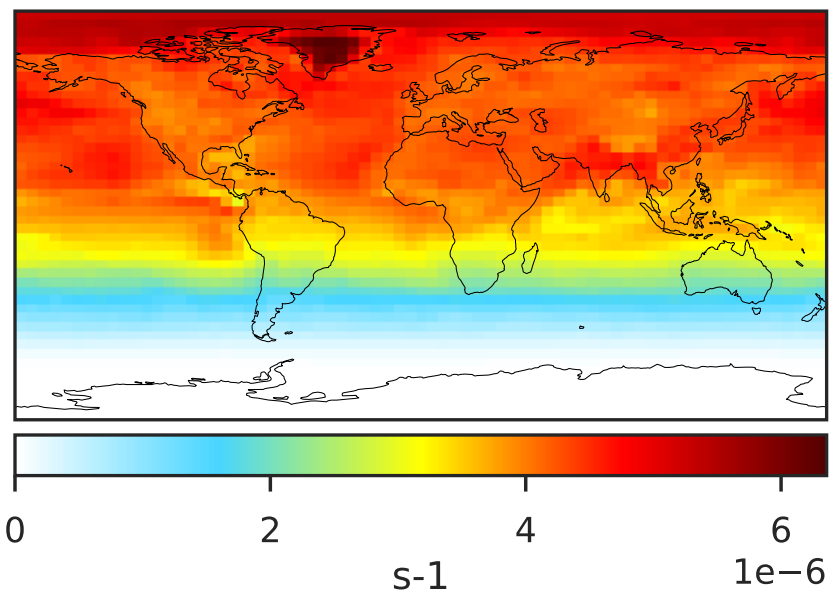


Ratio
Dev/Ref, Fixed Range

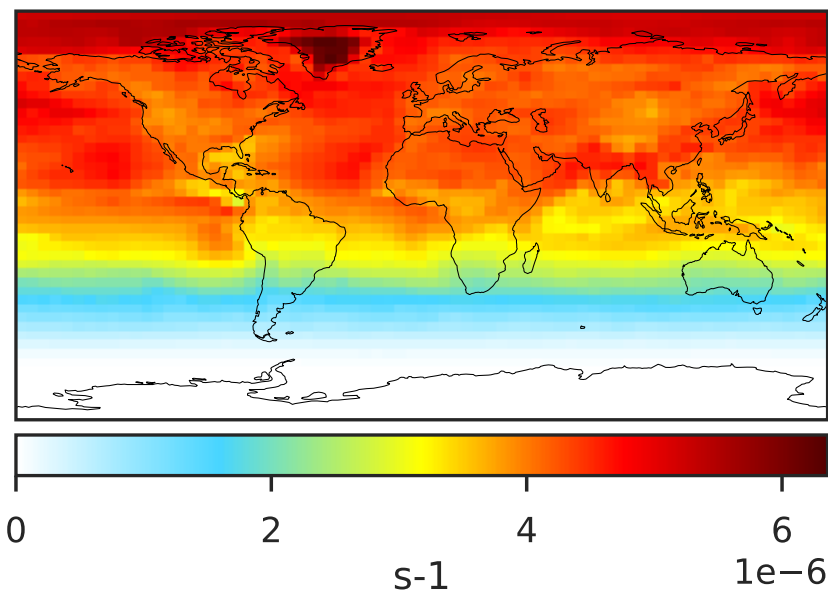


Jval_PIP (Jul2019)

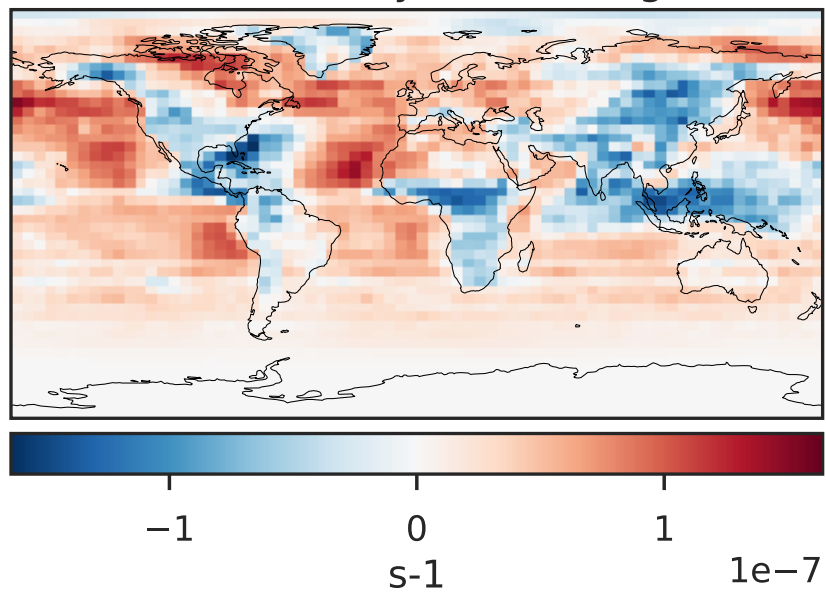
14.2.0-rc.2 (Ref)
4.0x5.0



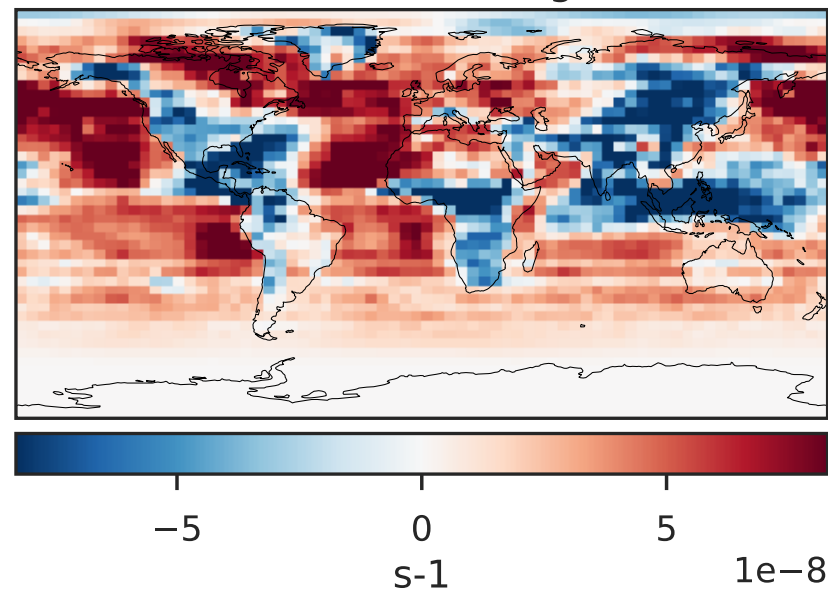
14.3.0-rc.0 (Dev)
4.0x5.0



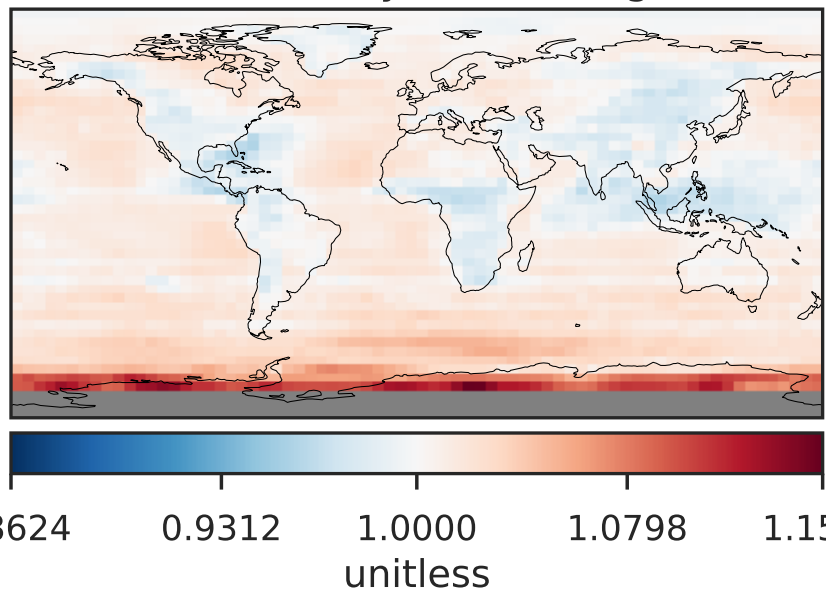
Difference
Dev - Ref, Dynamic Range



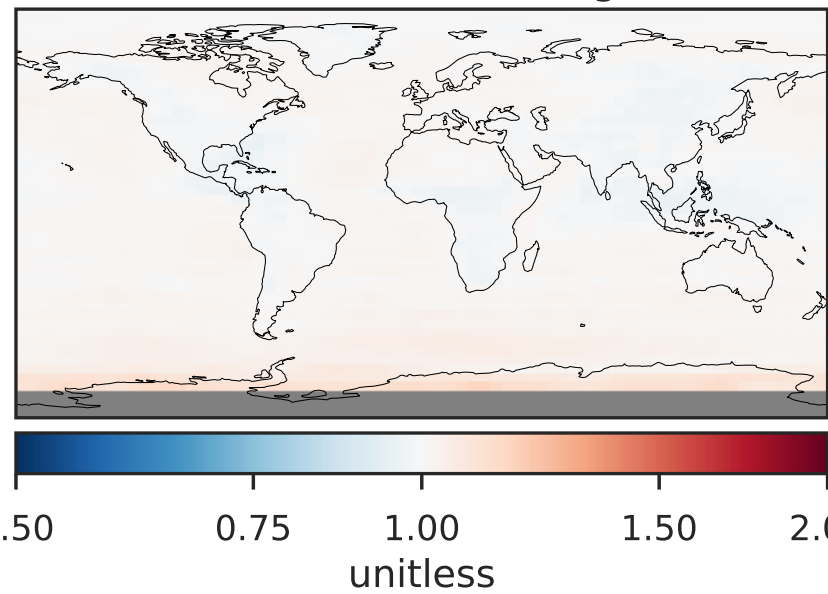
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

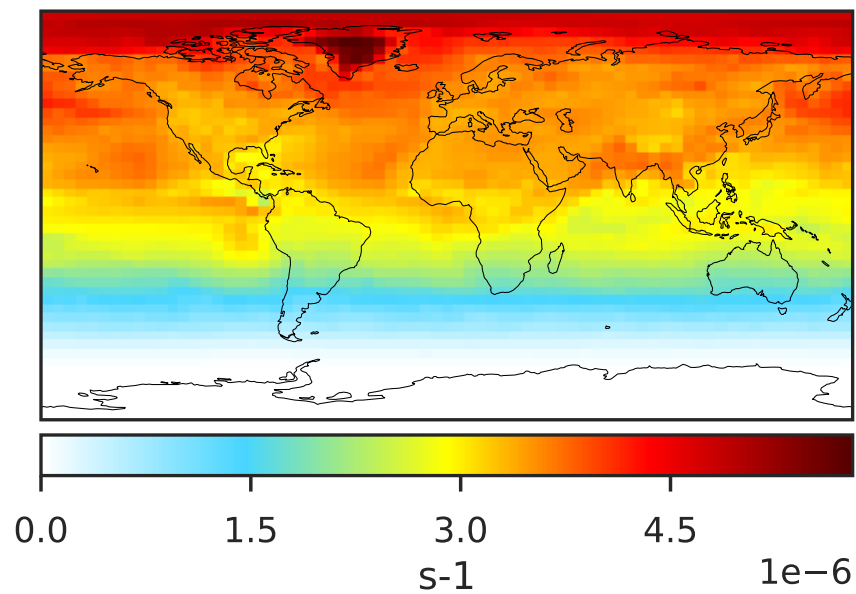


Ratio
Dev/Ref, Fixed Range

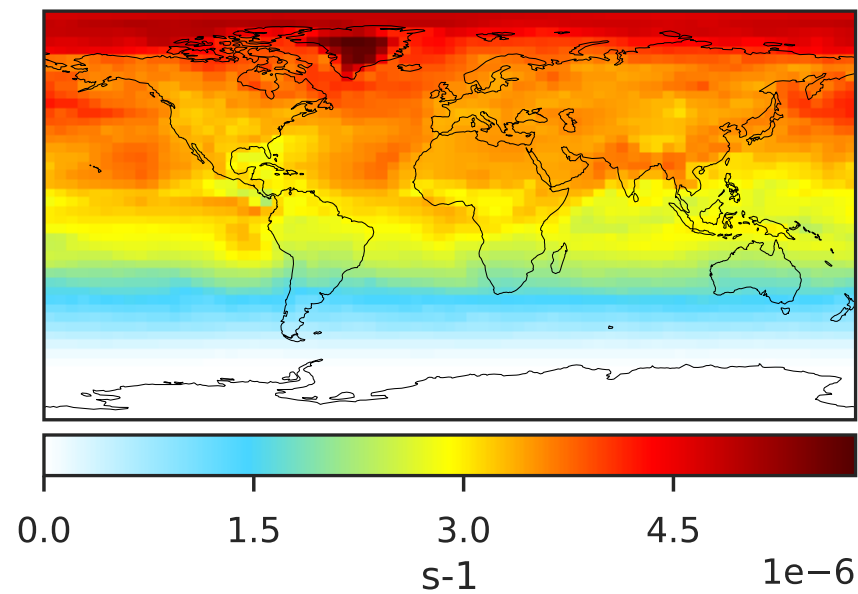


Jval_PP (Jul2019)

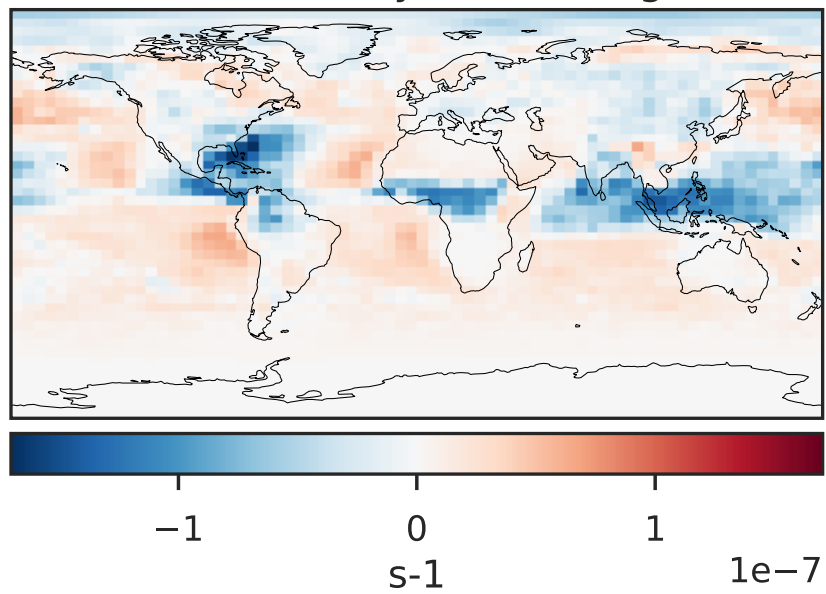
14.2.0-rc.2 (Ref)
4.0x5.0



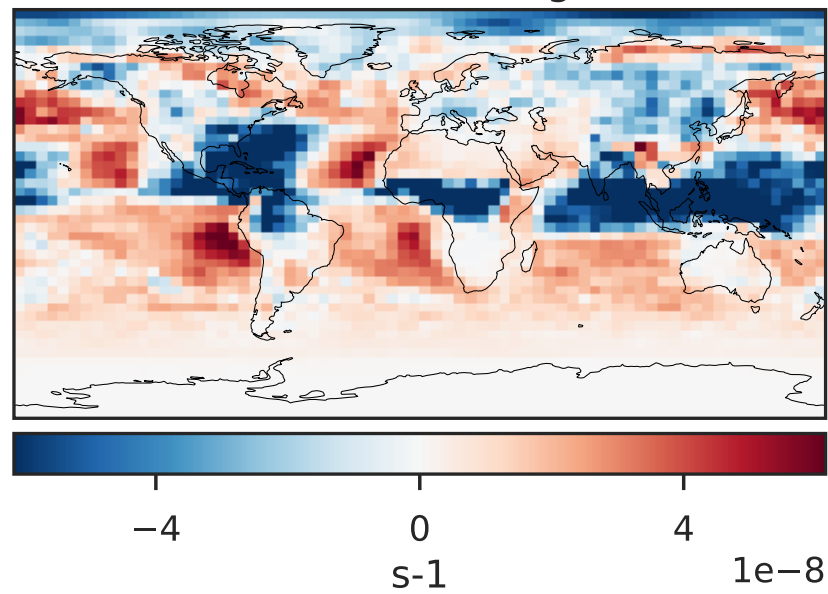
14.3.0-rc.0 (Dev)
4.0x5.0



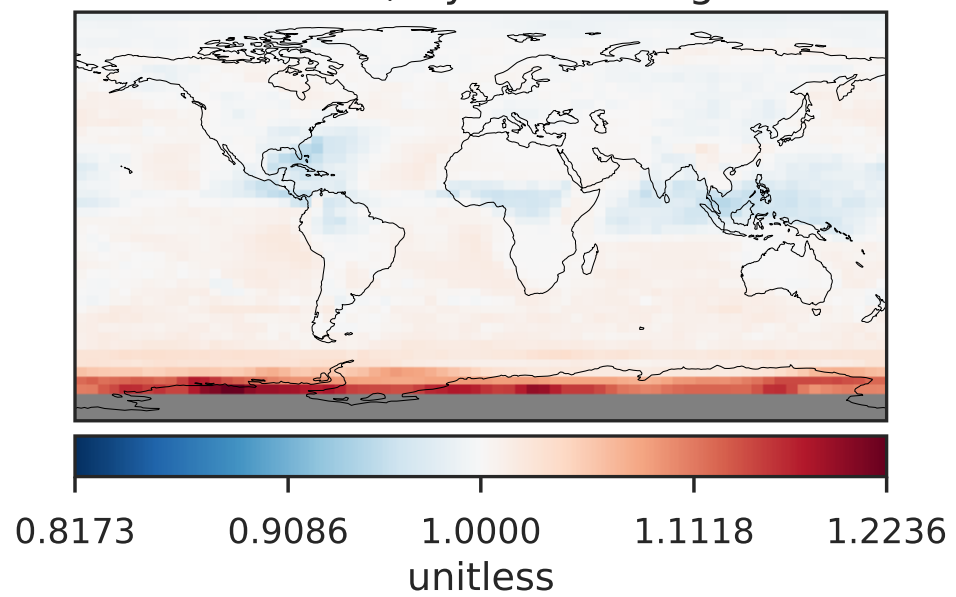
Difference
Dev - Ref, Dynamic Range



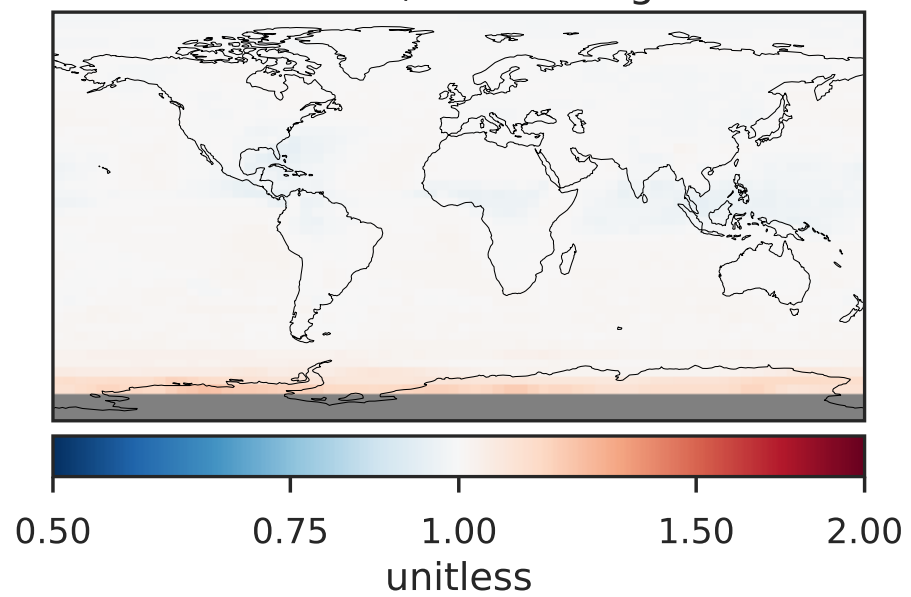
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

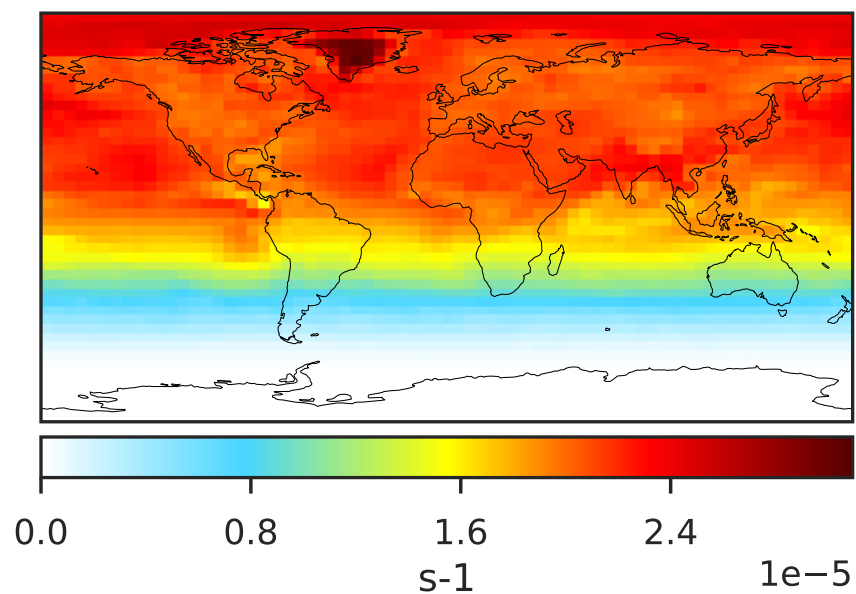


Ratio
Dev/Ref, Fixed Range

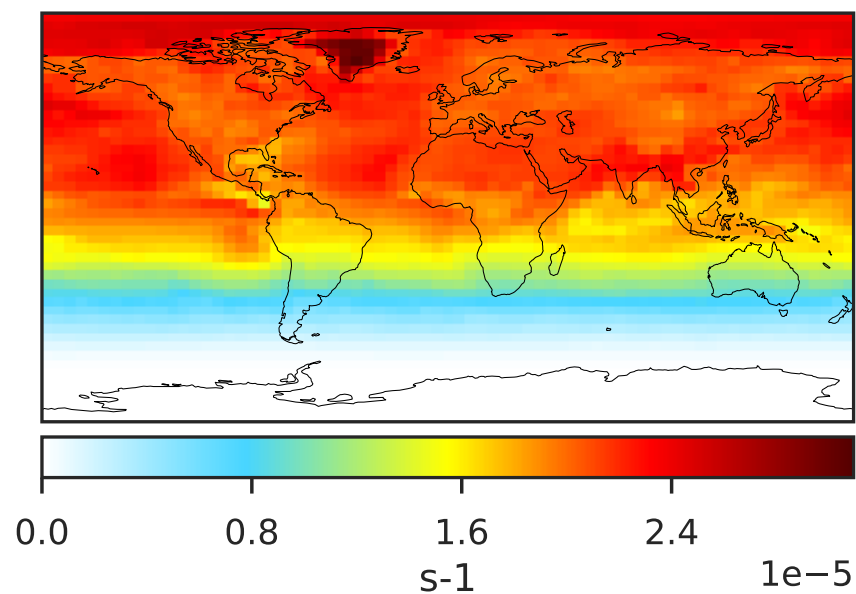


Jval_PROPNN (Jul2019)

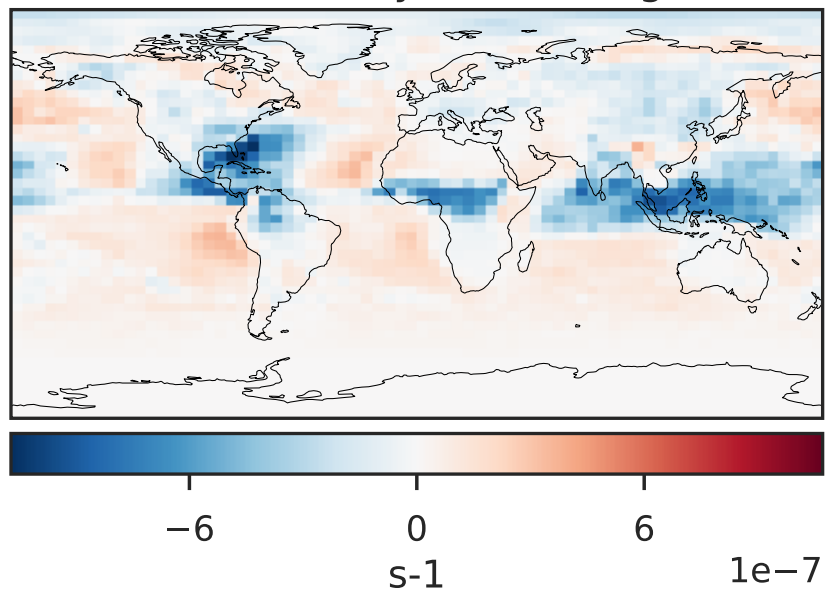
14.2.0-rc.2 (Ref)
4.0x5.0



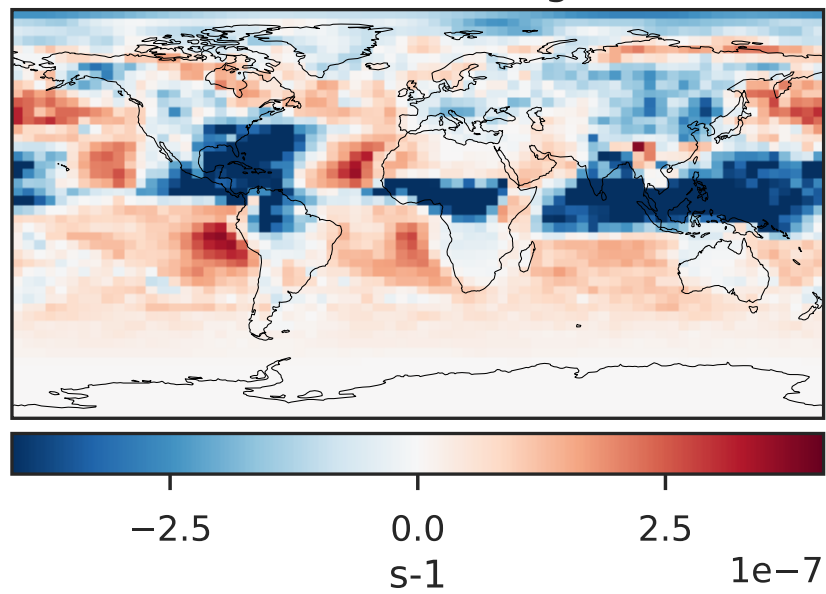
14.3.0-rc.0 (Dev)
4.0x5.0



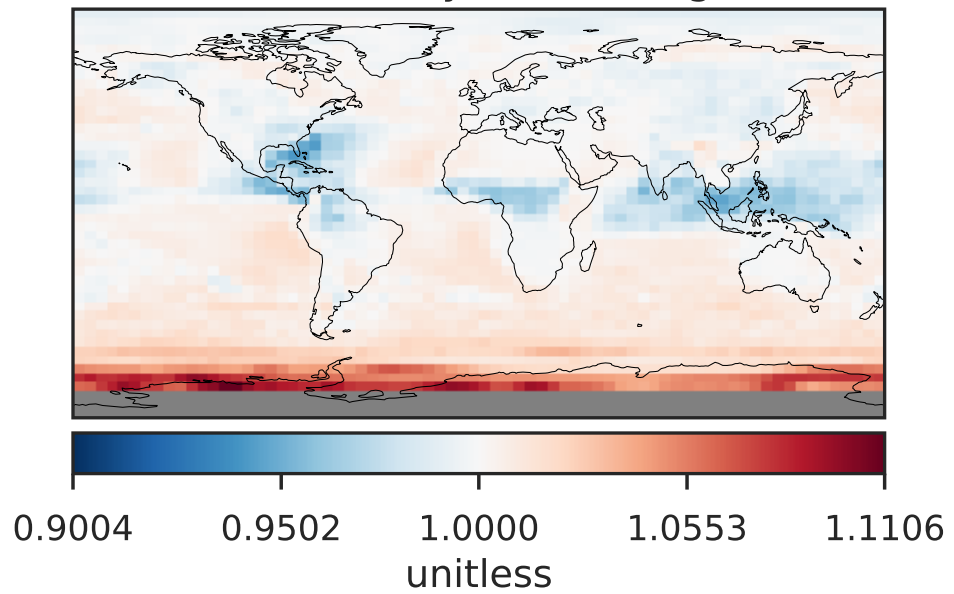
Difference
Dev - Ref, Dynamic Range



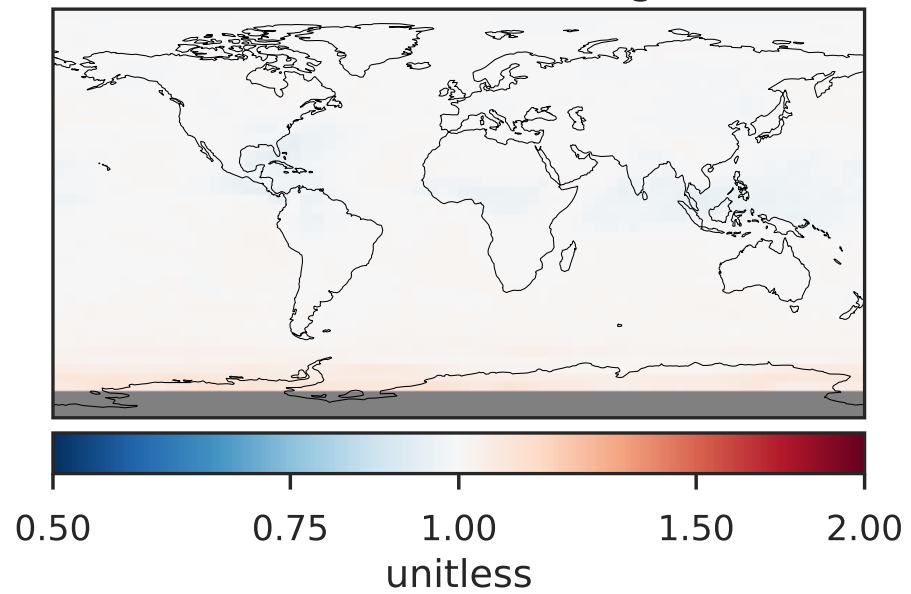
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

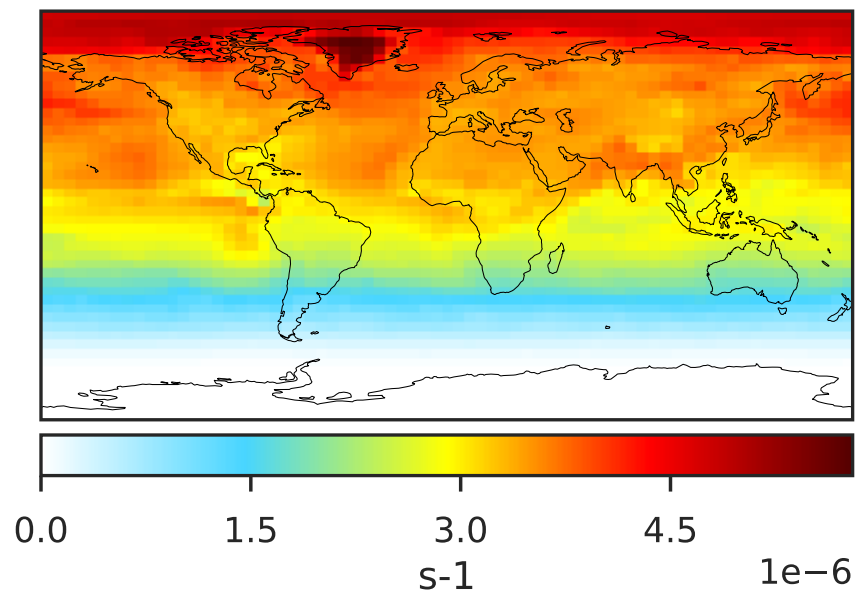


Ratio
Dev/Ref, Fixed Range

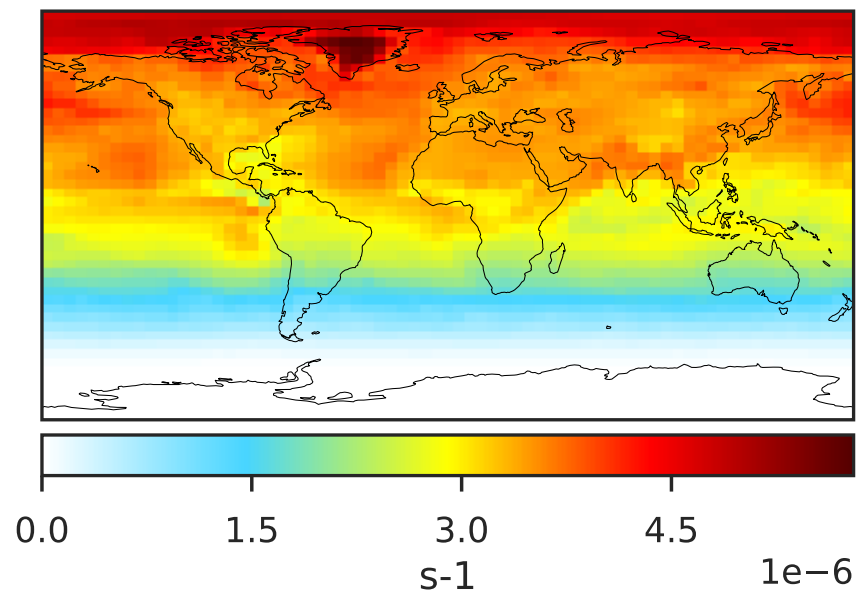


Jval_PRPN (Jul2019)

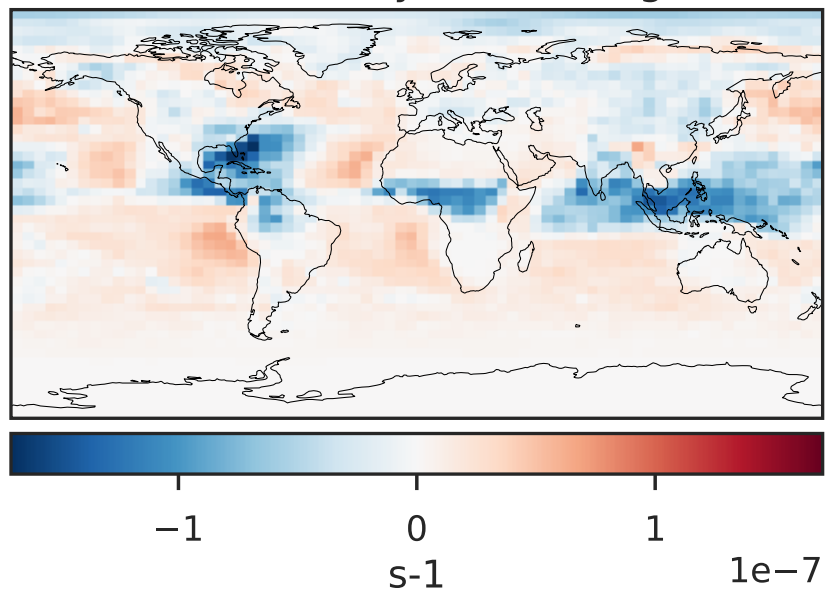
14.2.0-rc.2 (Ref)
4.0x5.0



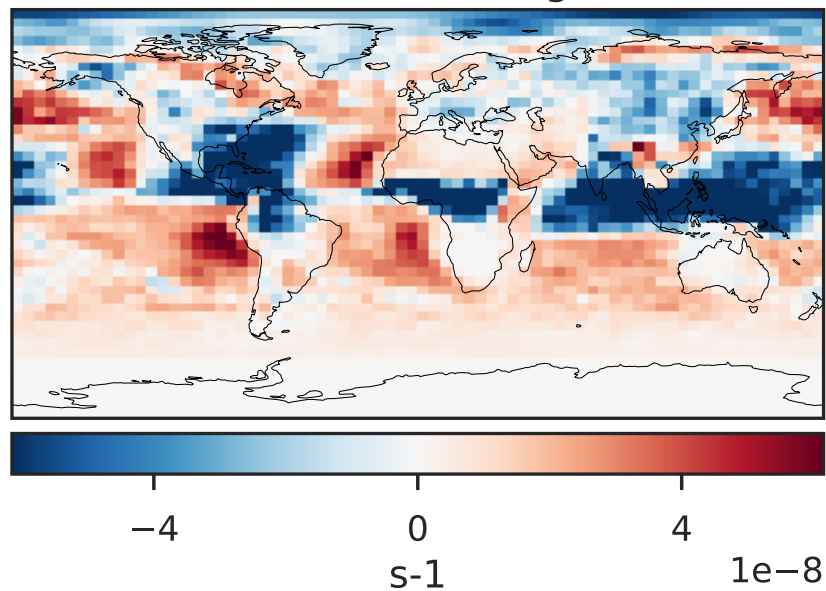
14.3.0-rc.0 (Dev)
4.0x5.0



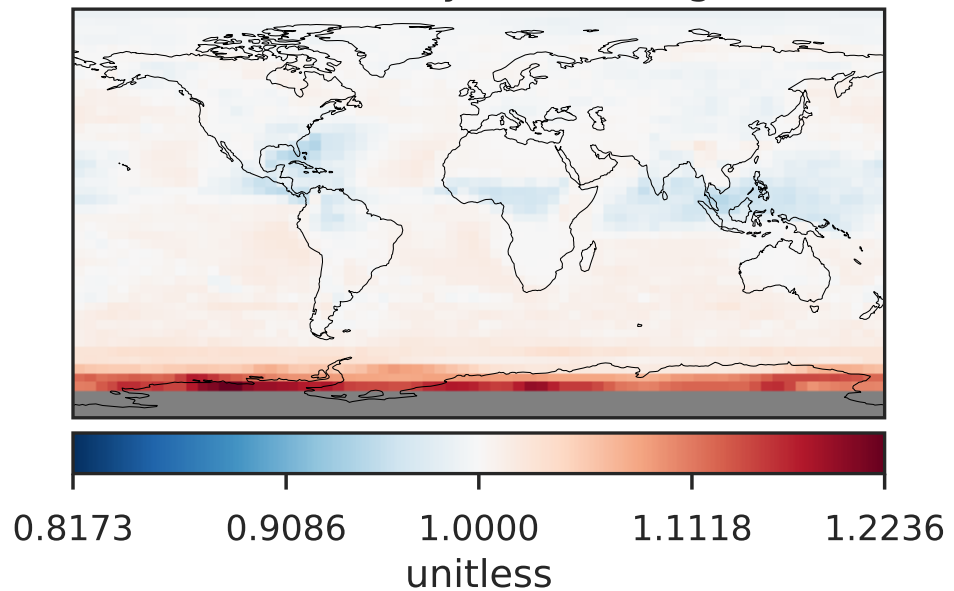
Difference
Dev - Ref, Dynamic Range



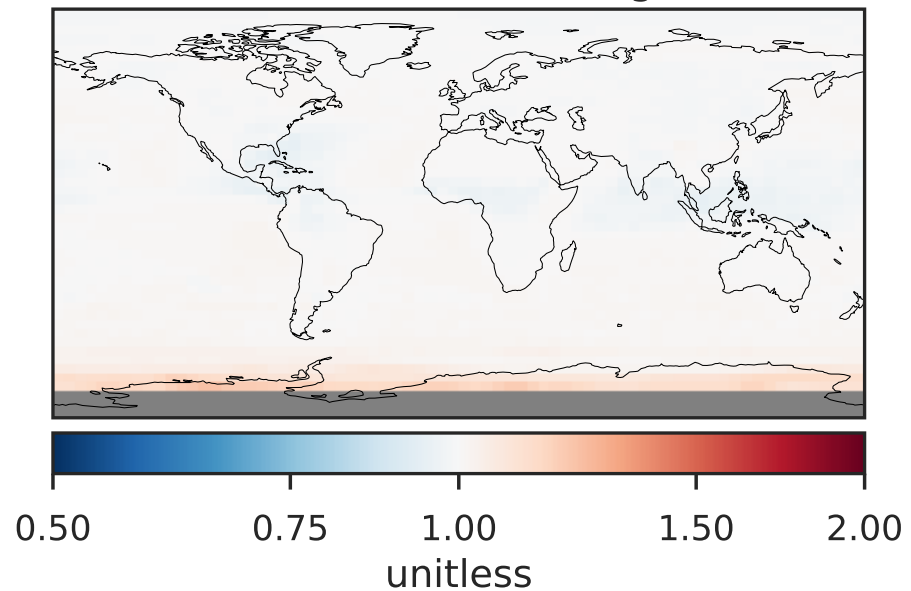
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

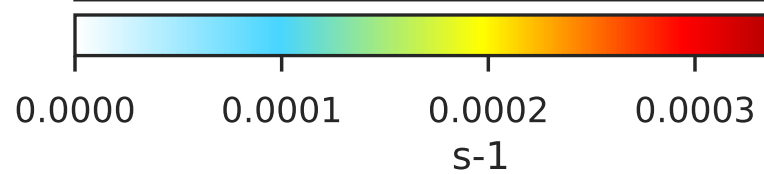
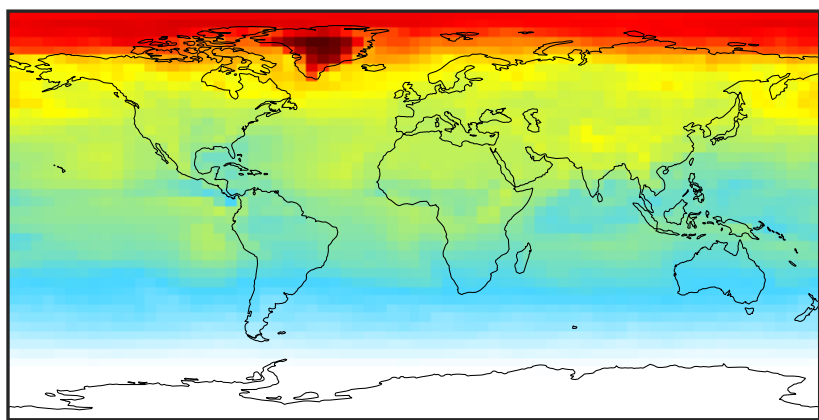


Ratio
Dev/Ref, Fixed Range

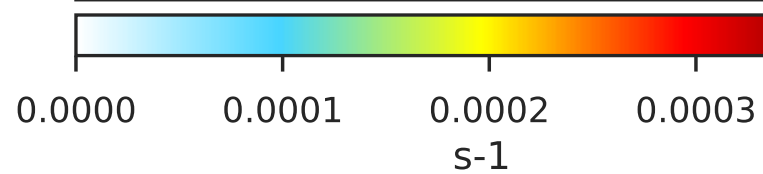
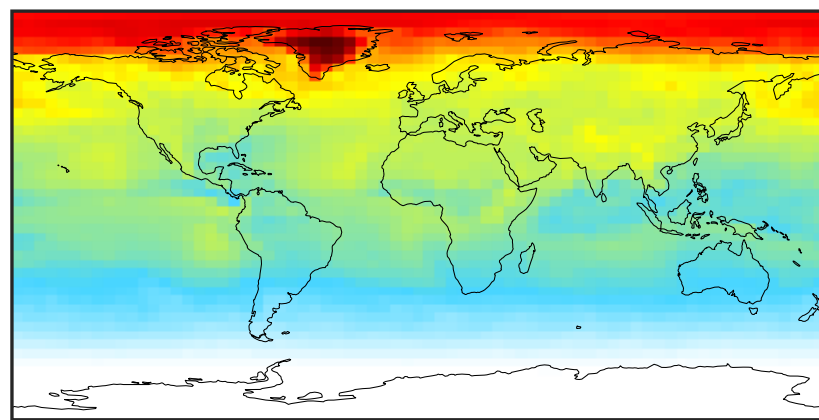


Jval_PYAC (Jul2019)

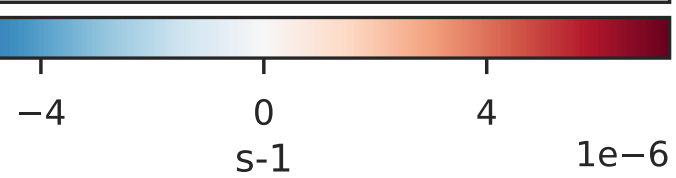
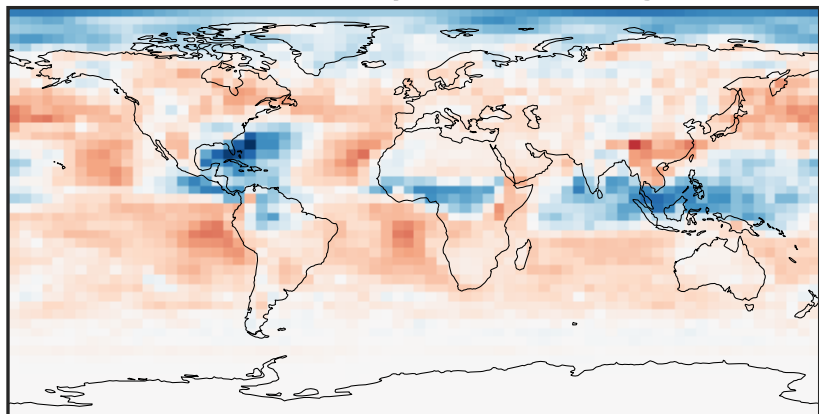
14.2.0-rc.2 (Ref)
4.0x5.0



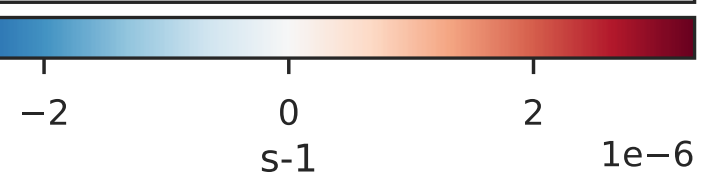
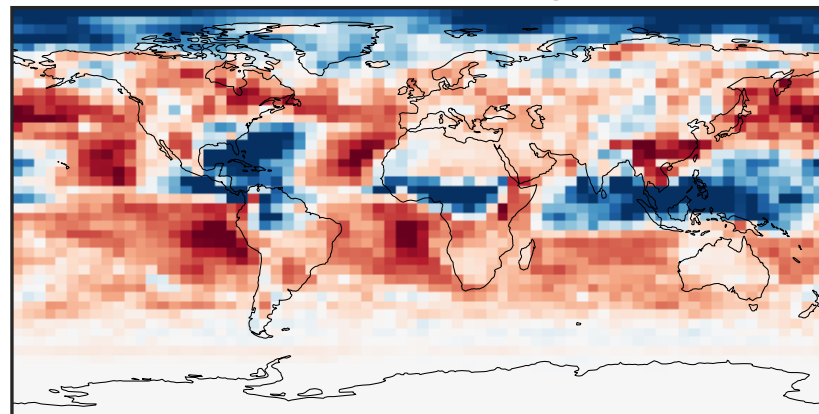
14.3.0-rc.0 (Dev)
4.0x5.0



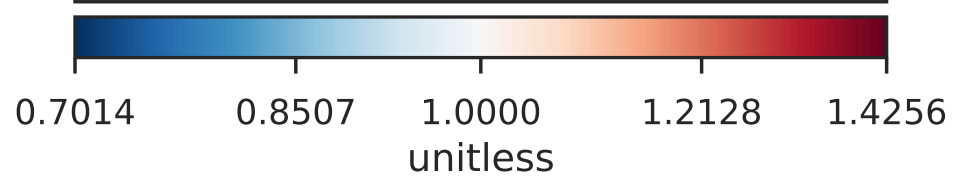
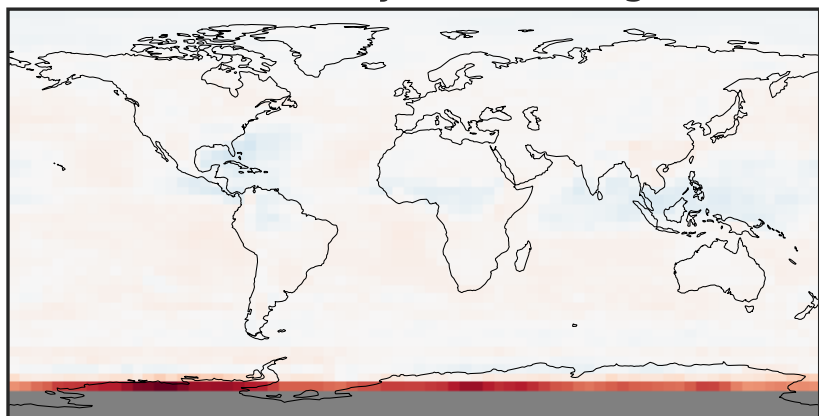
Difference
Dev - Ref, Dynamic Range



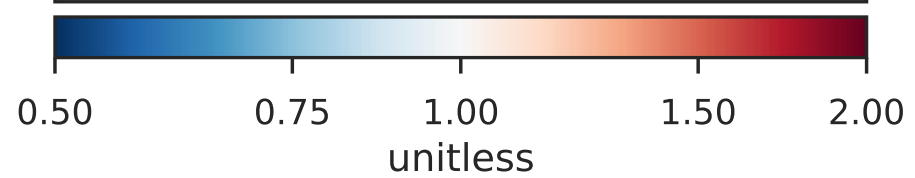
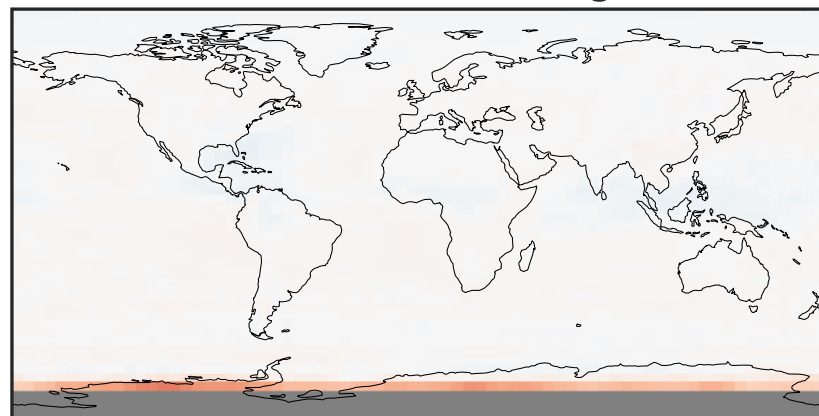
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

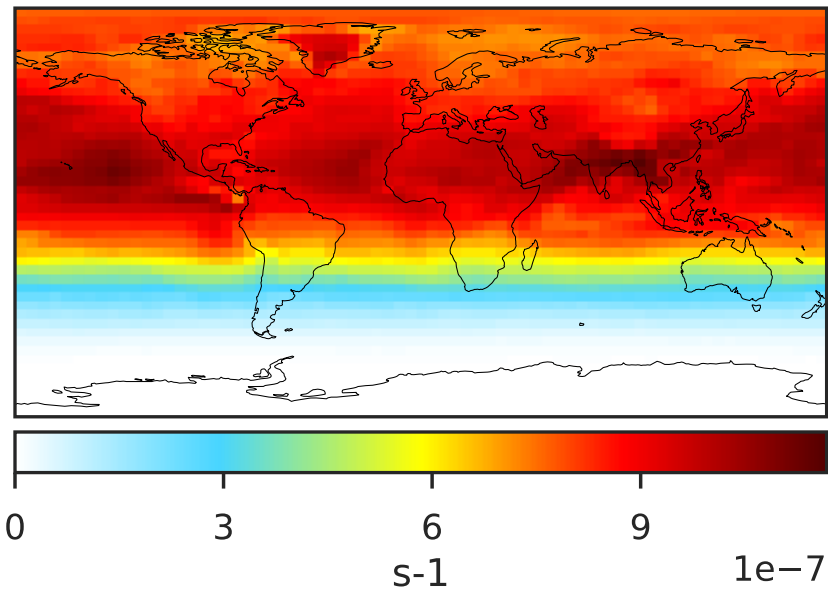


Ratio
Dev/Ref, Fixed Range

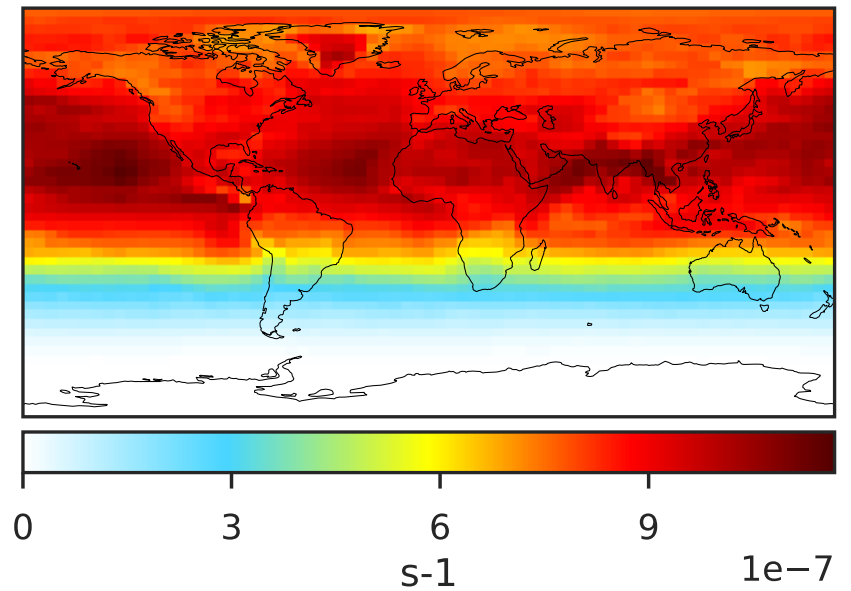


Jval_R4N2 (Jul2019)

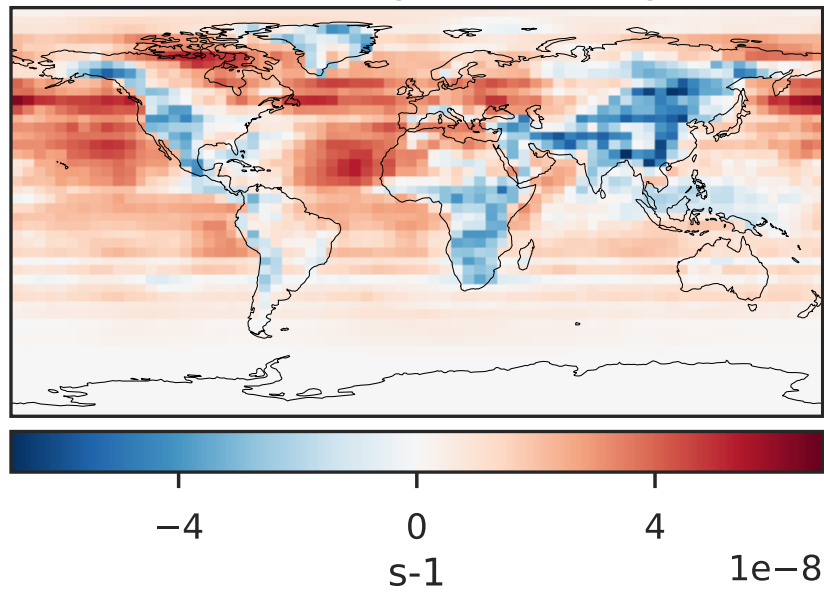
14.2.0-rc.2 (Ref)
4.0x5.0



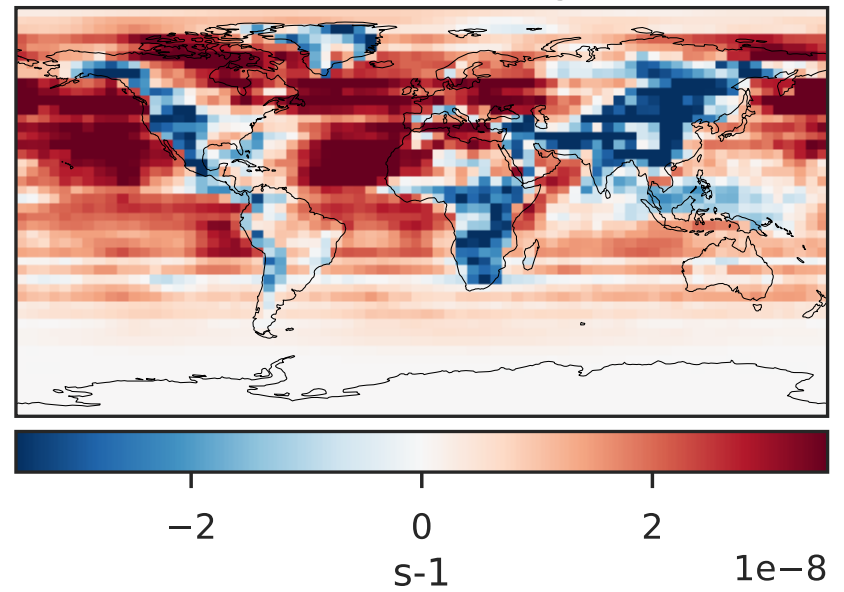
14.3.0-rc.0 (Dev)
4.0x5.0



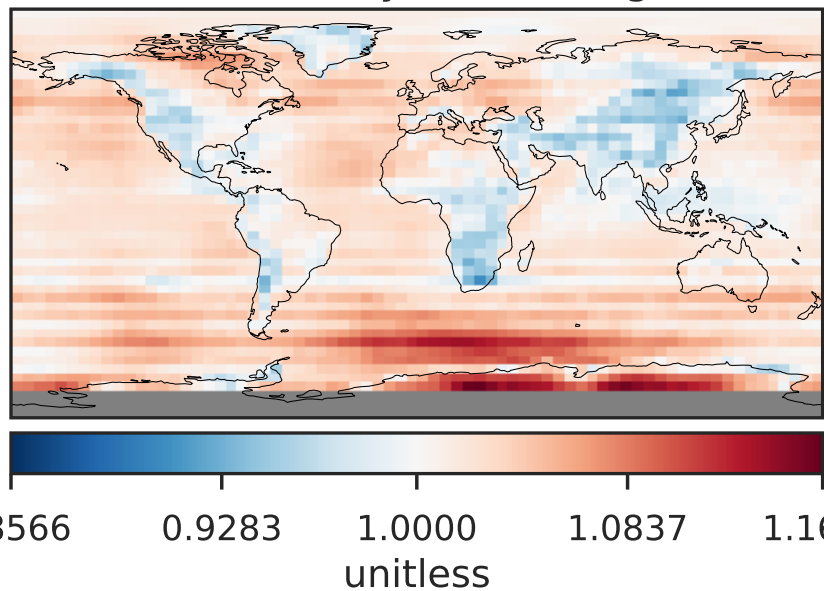
Difference
Dev - Ref, Dynamic Range



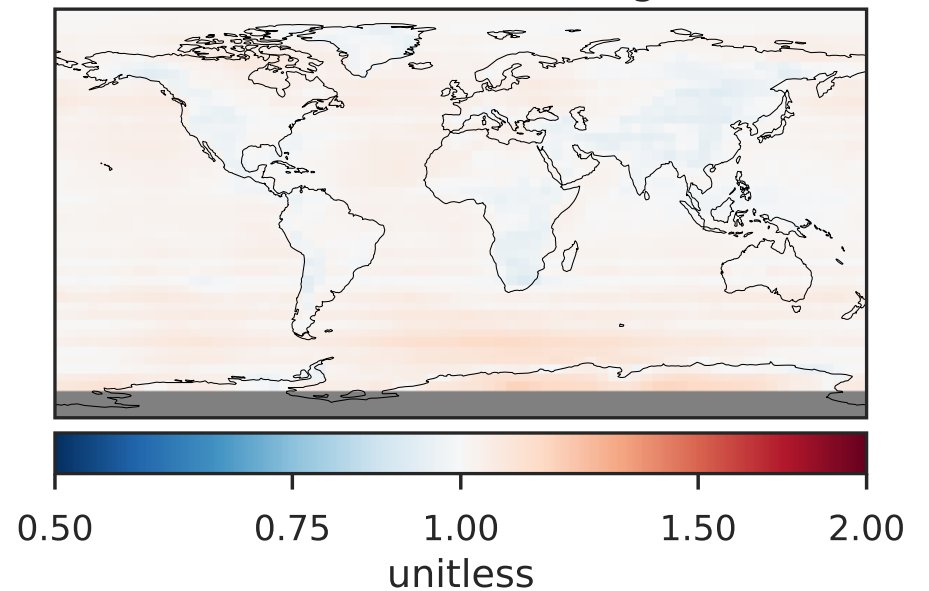
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

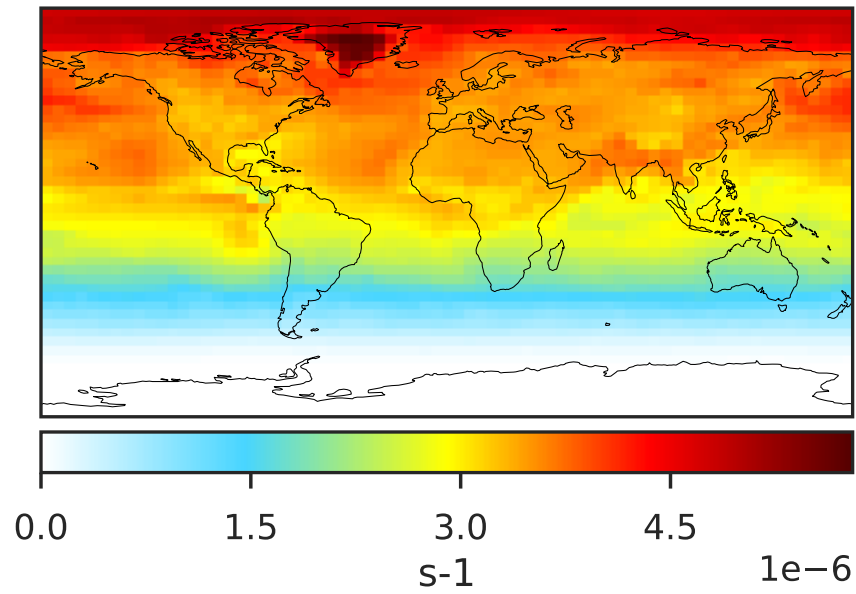


Ratio
Dev/Ref, Fixed Range

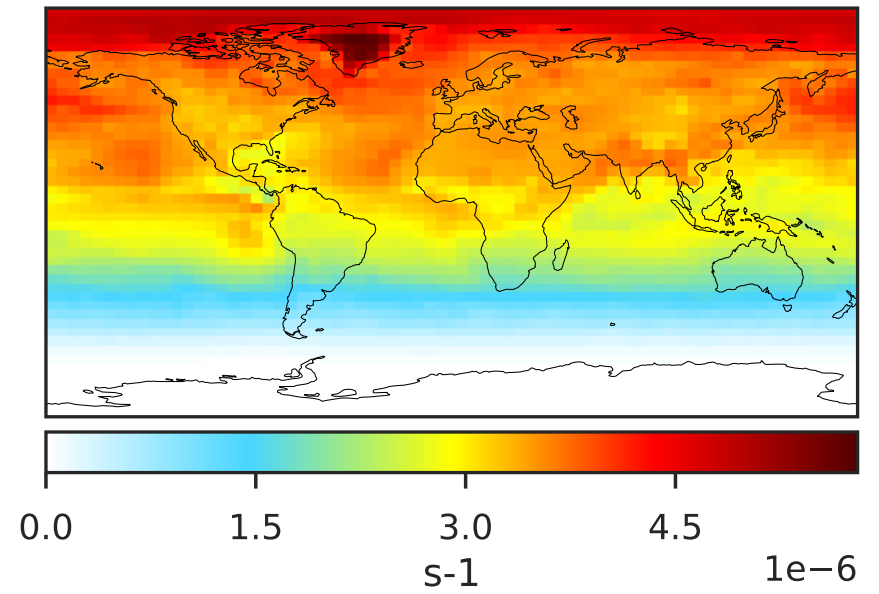


Jval_R4P (Jul2019)

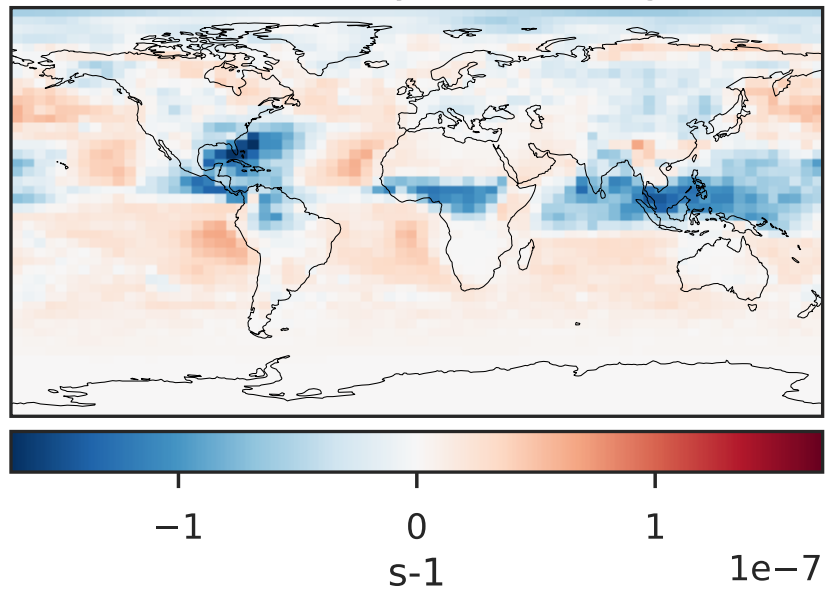
14.2.0-rc.2 (Ref)
4.0x5.0



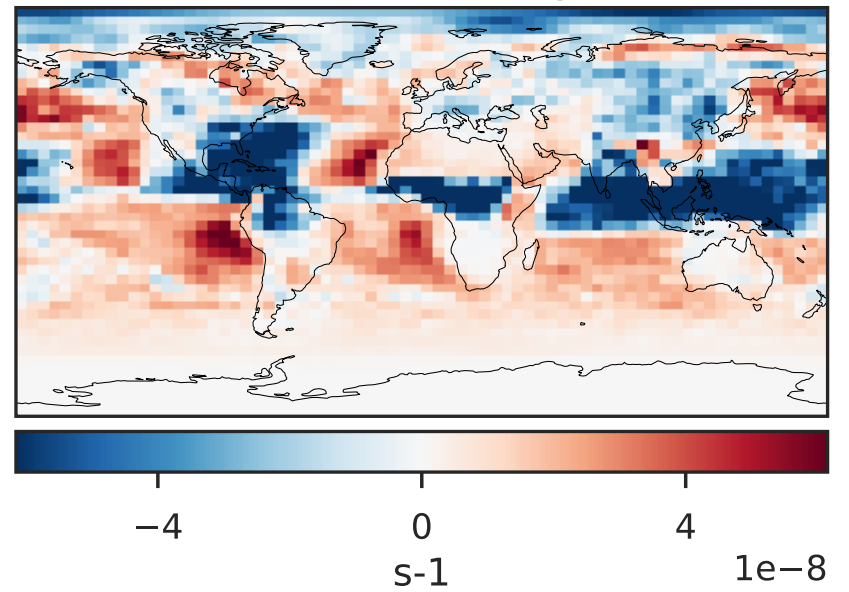
14.3.0-rc.0 (Dev)
4.0x5.0



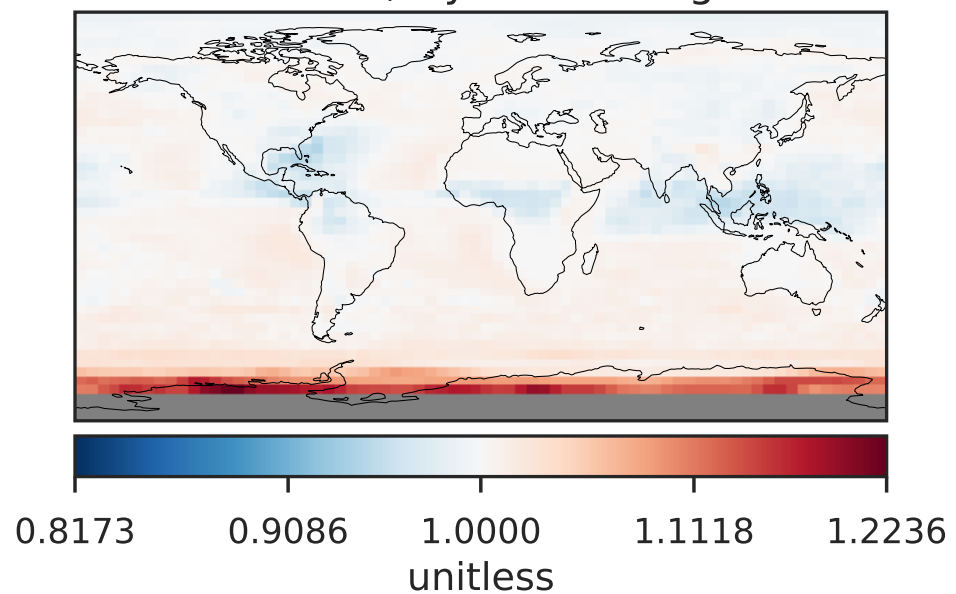
Difference
Dev - Ref, Dynamic Range



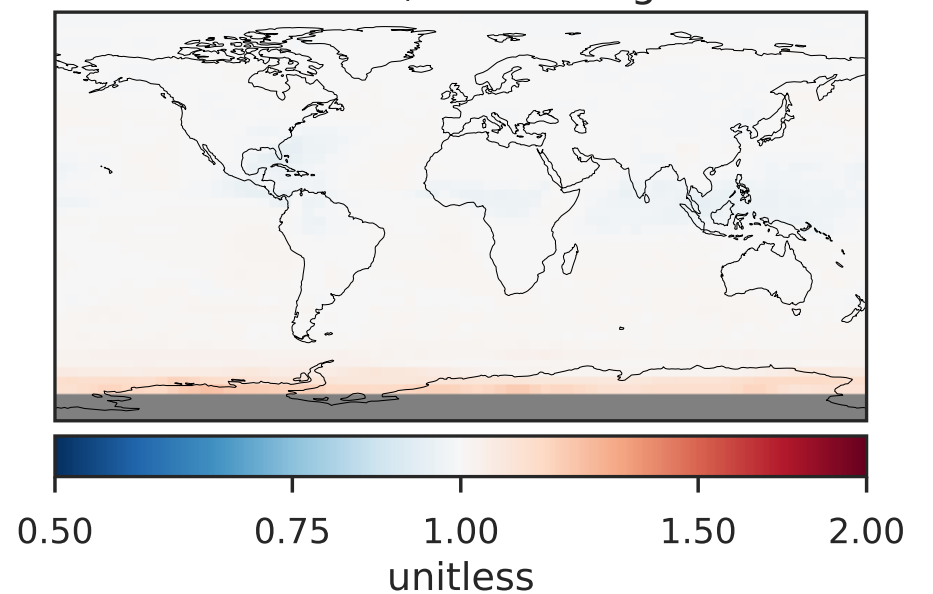
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

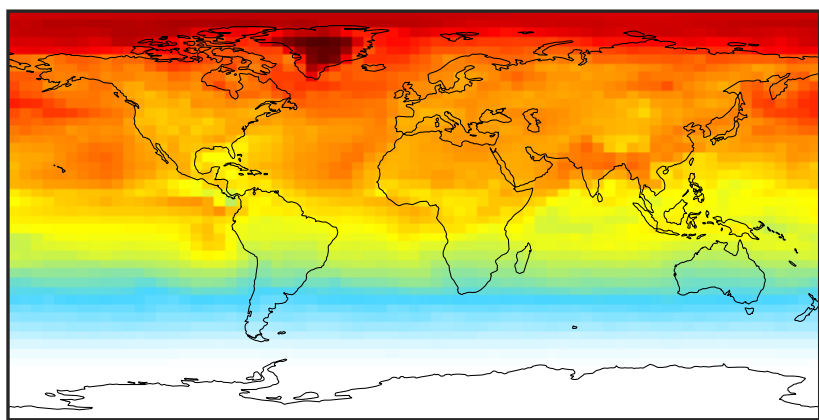


Ratio
Dev/Ref, Fixed Range



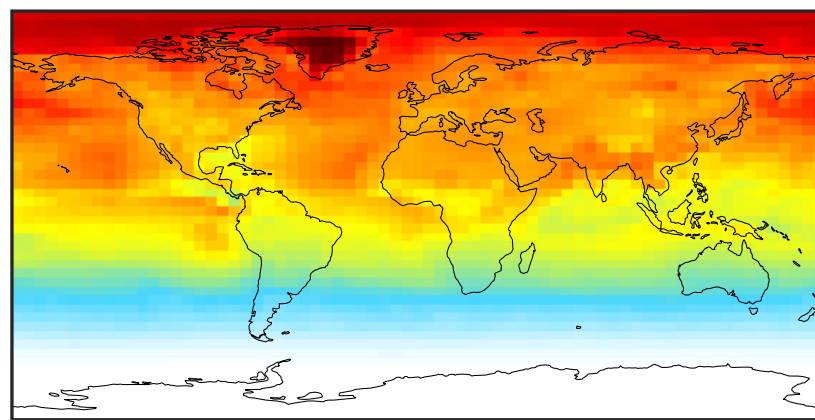
Jval_RA3P (Jul2019)

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



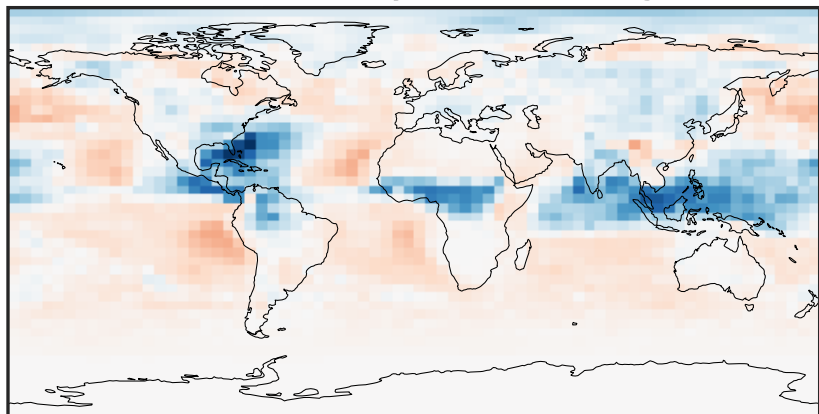
0.0 1.5 3.0 4.5 $1e-6$
s-1

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



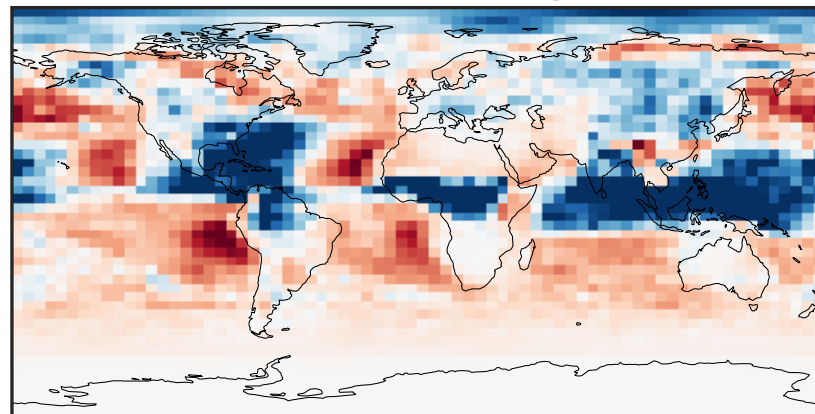
0.0 1.5 3.0 4.5 $1e-6$
s-1

Difference
Dev - Ref, Dynamic Range



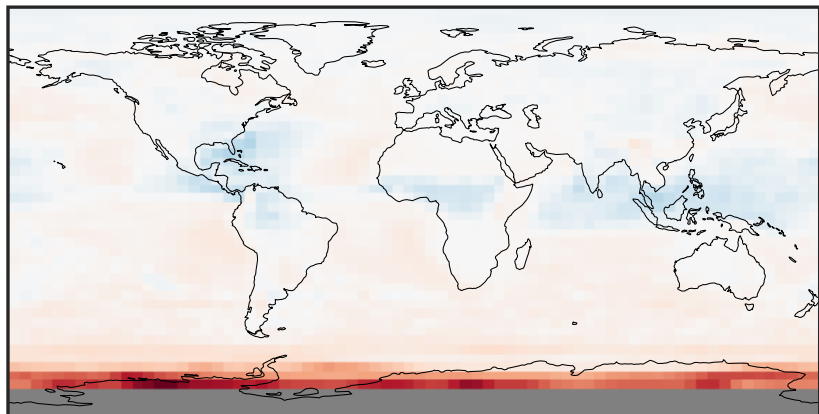
-1 0 1 $1e-7$
s-1

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



-4 0 4 $1e-8$
s-1

Ratio
Dev/Ref, Dynamic Range



0.8173 0.9086 1.0000 1.1118 1.2236
unitless

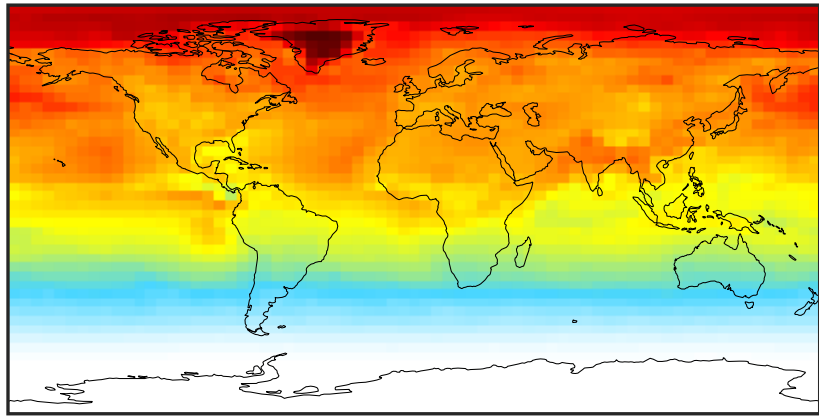
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

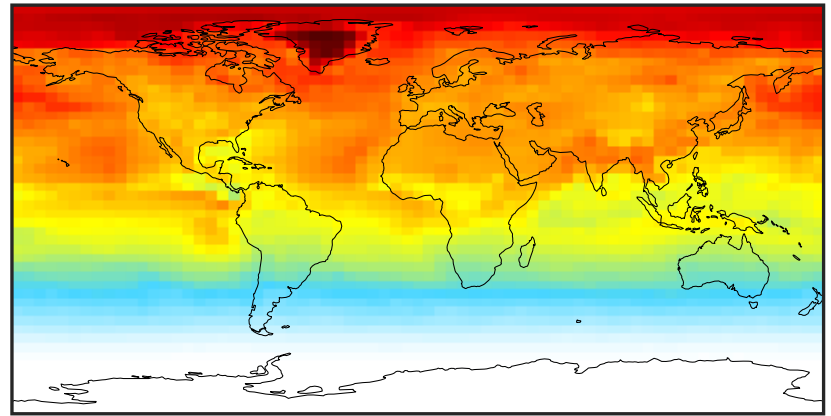
Jval_RB3P (Jul2019)

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



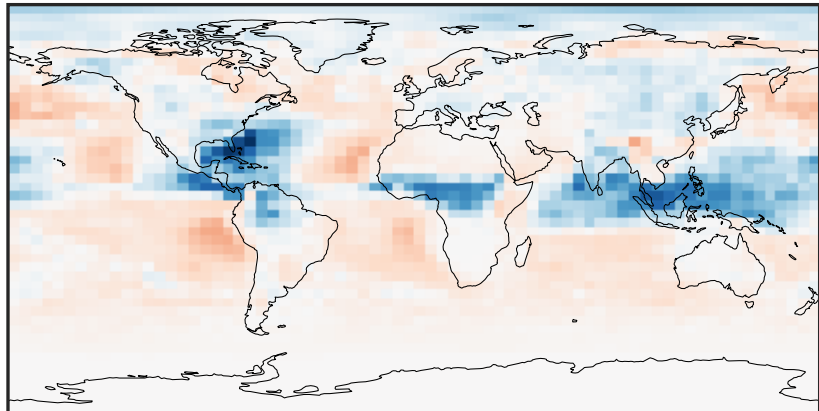
0.0 1.5 3.0 4.5 10^{-6}
s-1

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



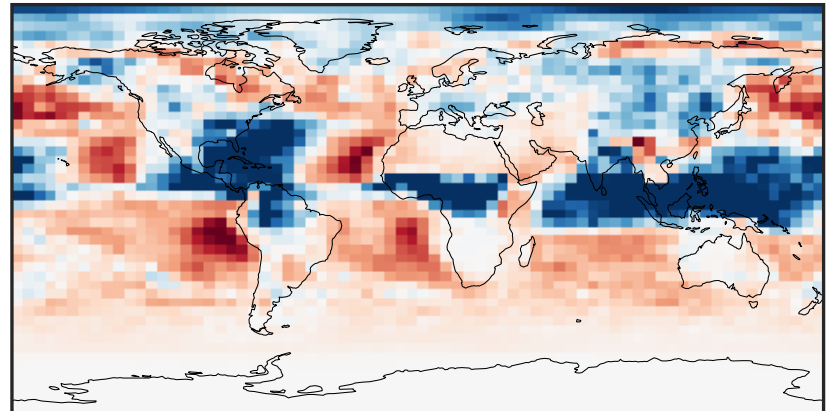
0.0 1.5 3.0 4.5 10^{-6}
s-1

Difference
Dev - Ref, Dynamic Range



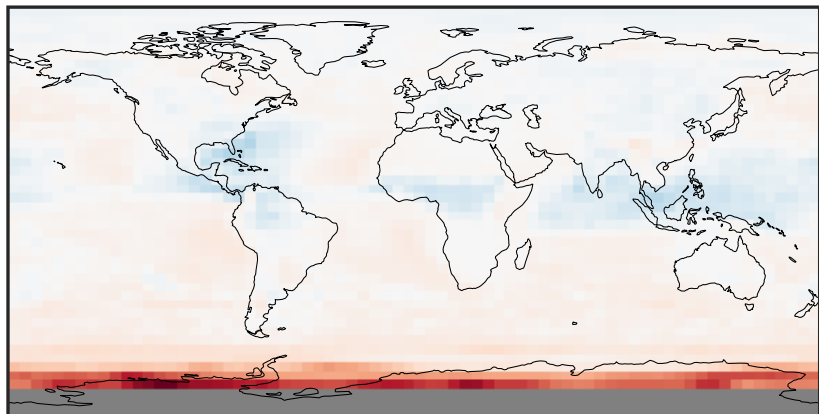
-1 0 1 10^{-7}
s-1

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



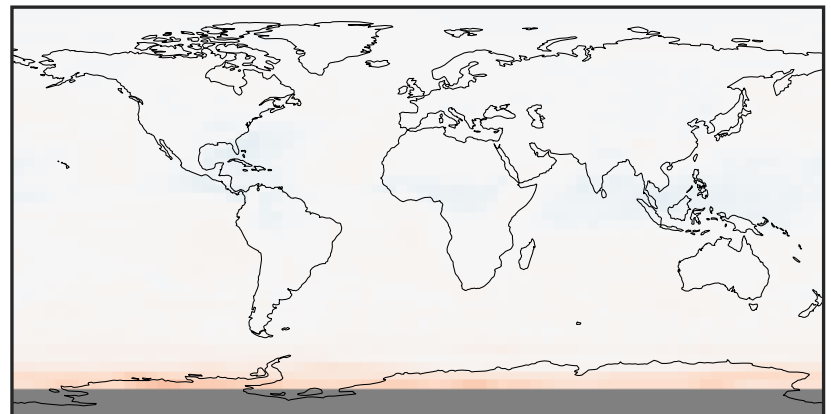
-4 0 4 10^{-8}
s-1

Ratio
Dev/Ref, Dynamic Range



0.8173 0.9086 1.0000 1.1118 1.2236
unitless

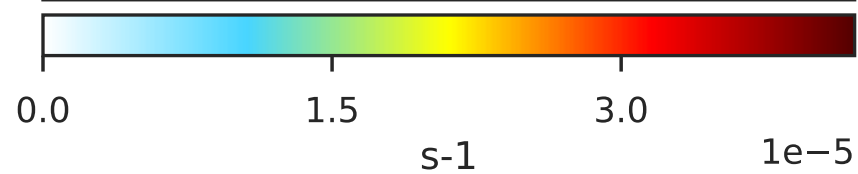
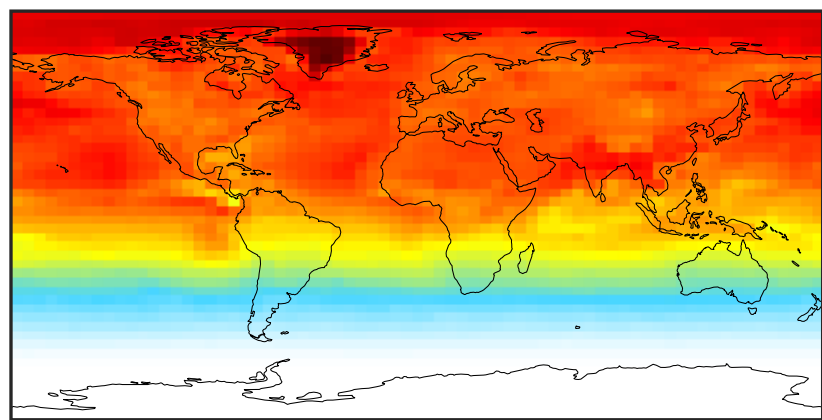
Ratio
Dev/Ref, Fixed Range



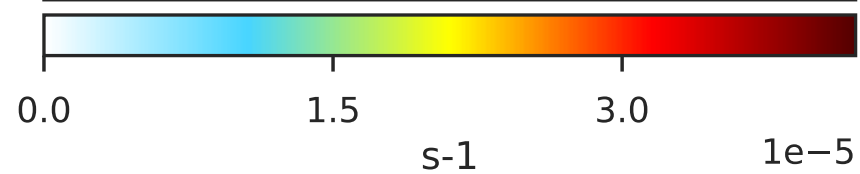
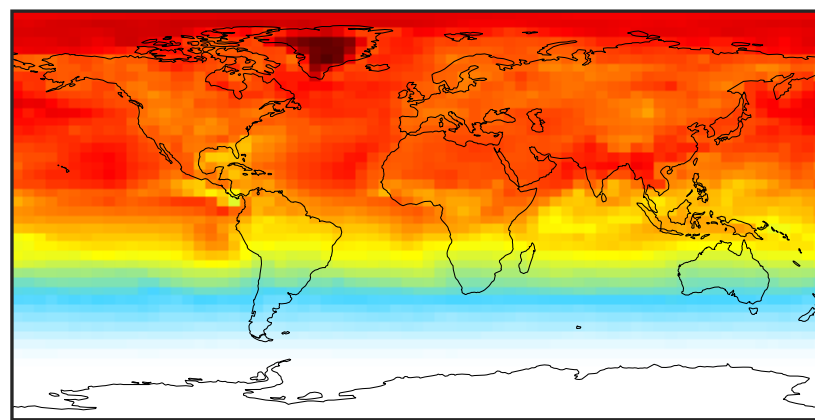
0.50 0.75 1.00 1.50 2.00
unitless

Jval_RCHO (Jul2019)

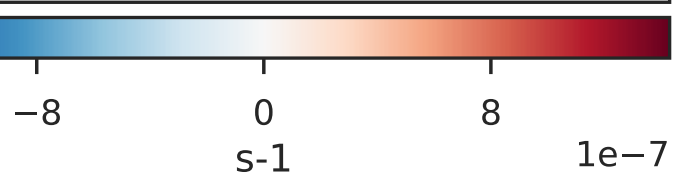
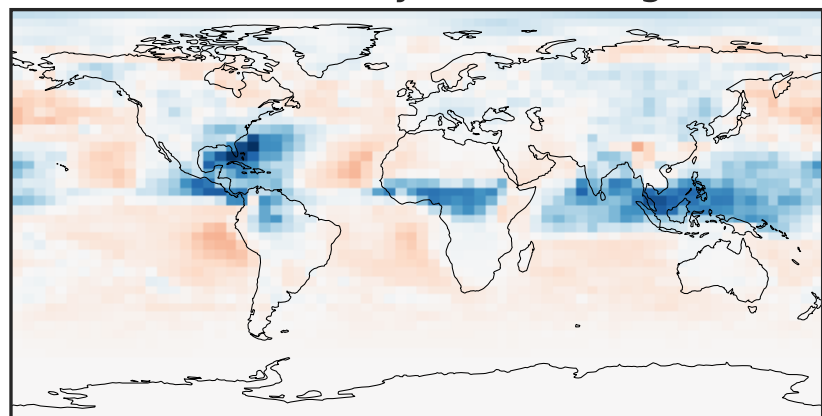
14.2.0-rc.2 (Ref)
4.0x5.0



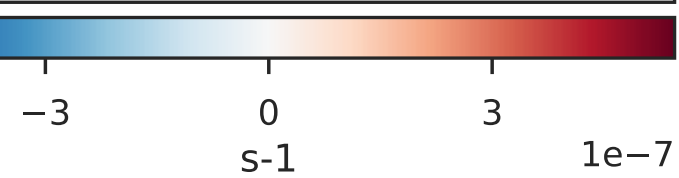
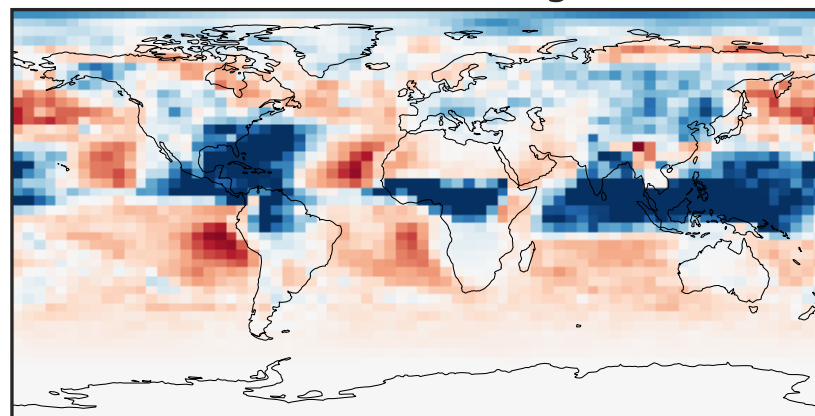
14.3.0-rc.0 (Dev)
4.0x5.0



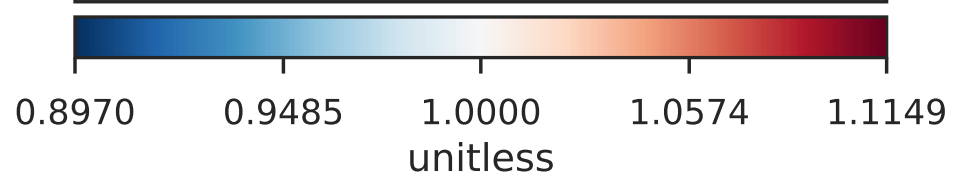
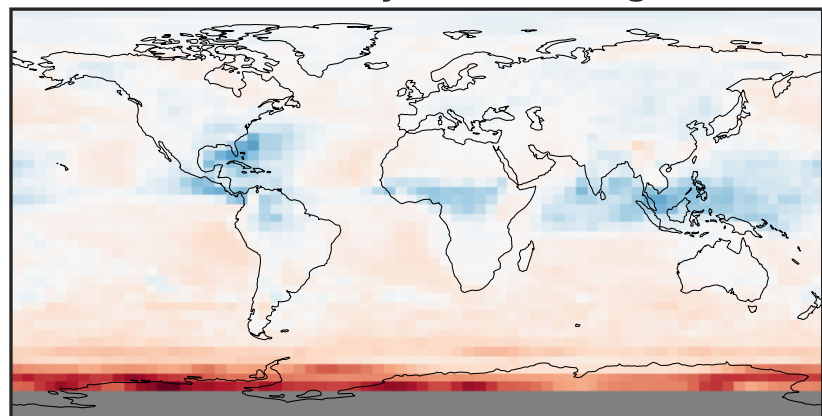
Difference
Dev - Ref, Dynamic Range



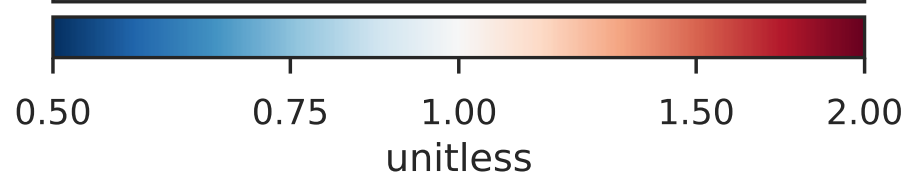
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

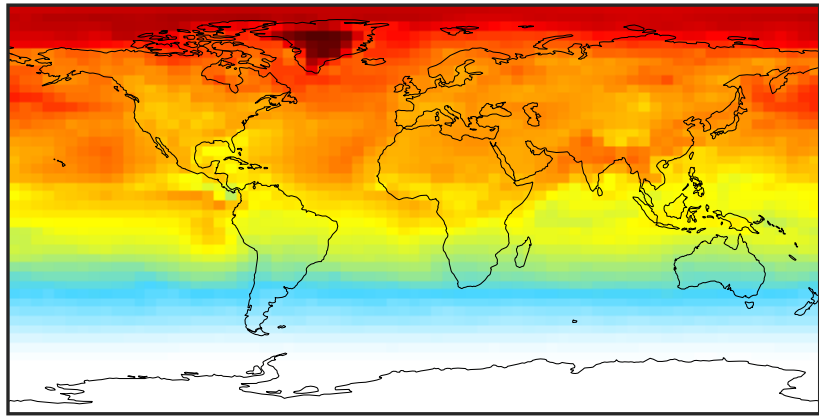


Ratio
Dev/Ref, Fixed Range



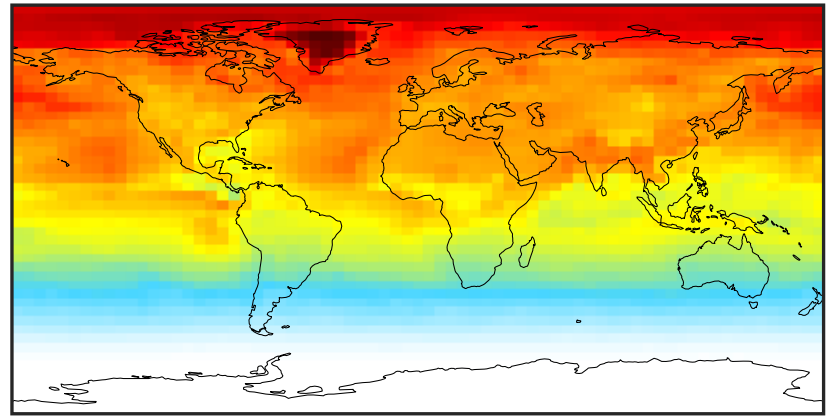
Jval_RIPA (Jul2019)

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



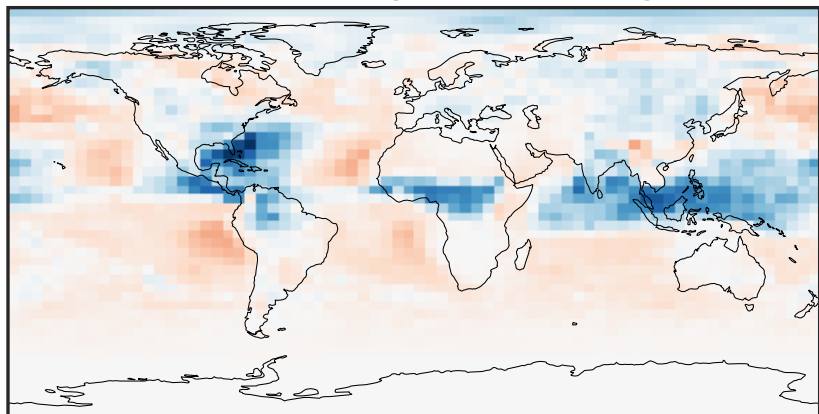
0.0 1.5 3.0 4.5 $1e-6$
s-1

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



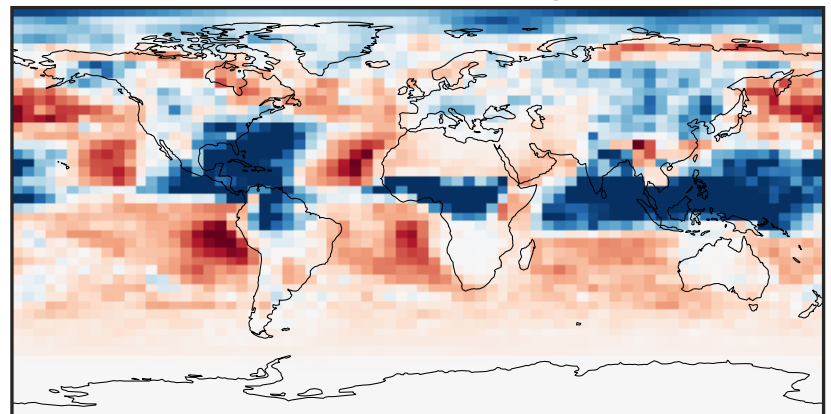
0.0 1.5 3.0 4.5 $1e-6$
s-1

Difference
Dev - Ref, Dynamic Range



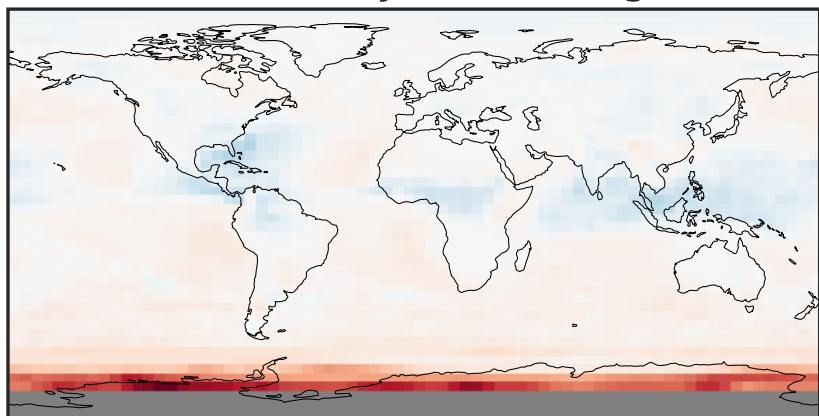
-1 0 1 $1e-7$
s-1

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



-4 0 4 $1e-8$
s-1

Ratio
Dev/Ref, Dynamic Range



0.8173 0.9086 1.0000 1.1118 1.2236
unitless

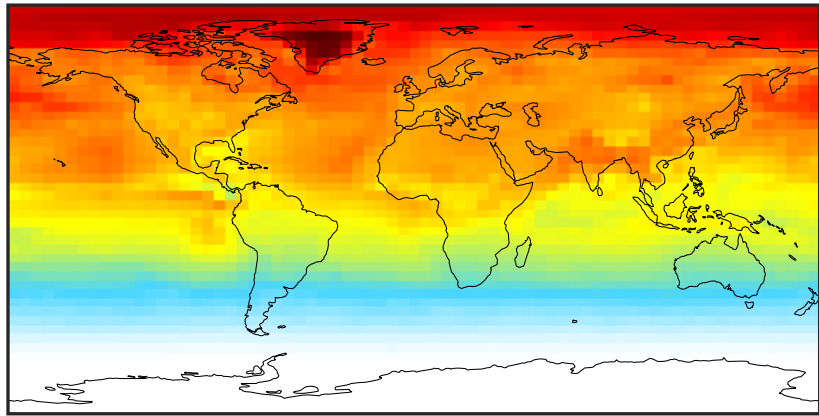
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

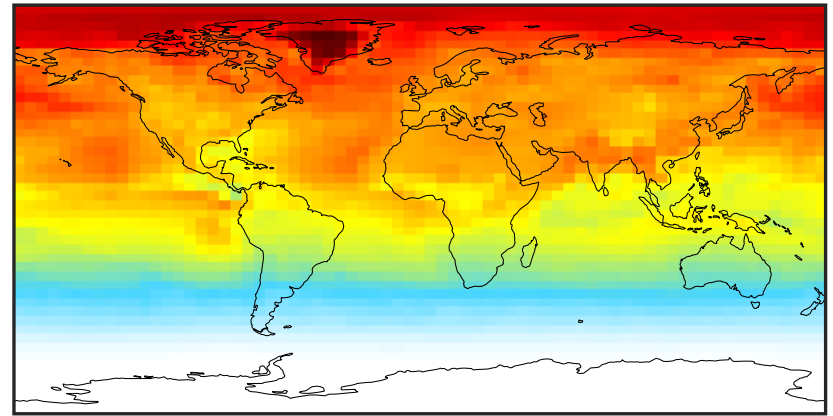
Jval_RIPB (Jul2019)

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



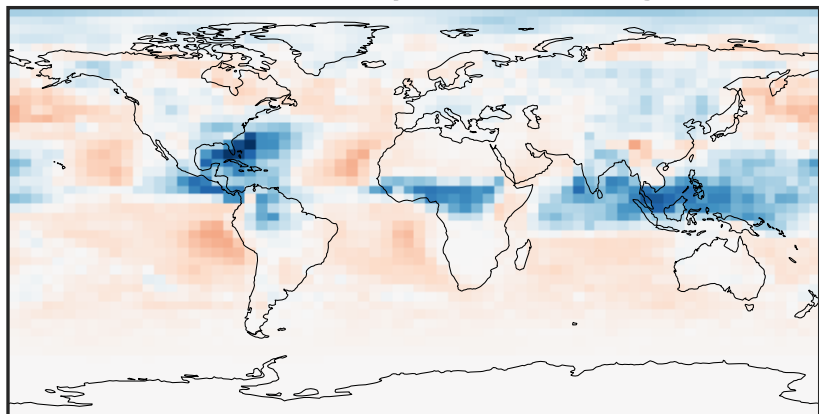
0.0 1.5 3.0 4.5 10^{-6} s-1

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



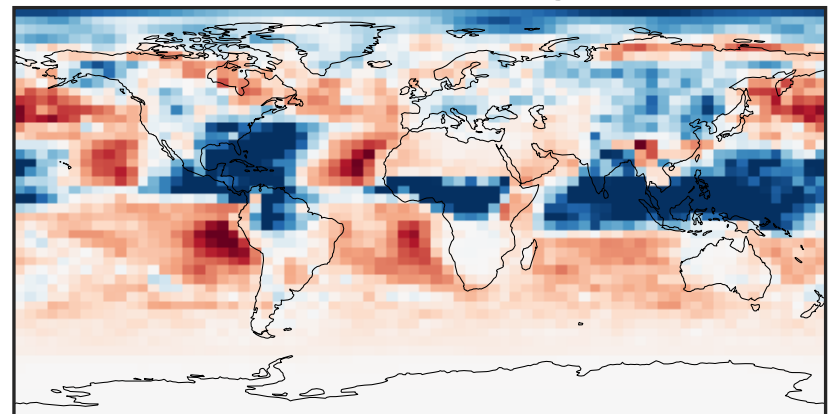
0.0 1.5 3.0 4.5 10^{-6} s-1

Difference
Dev - Ref, Dynamic Range



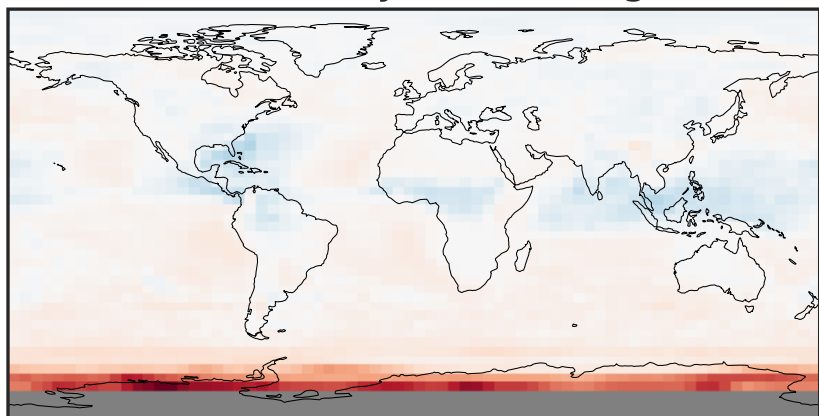
-1 0 1 10^{-7} s-1

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



-4 0 4 10^{-8} s-1

Ratio
Dev/Ref, Dynamic Range



0.8173 0.9086 1.0000 1.1118 1.2236
unitless

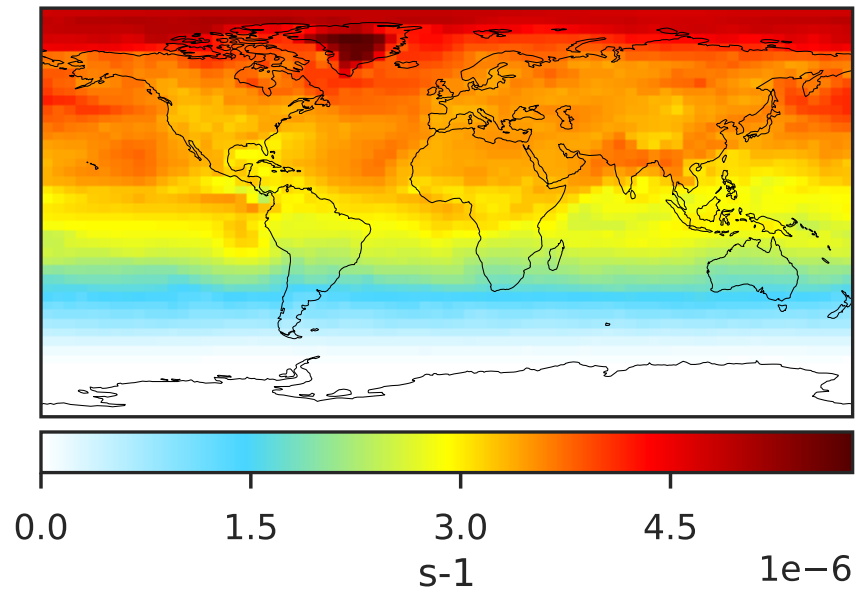
Ratio
Dev/Ref, Fixed Range



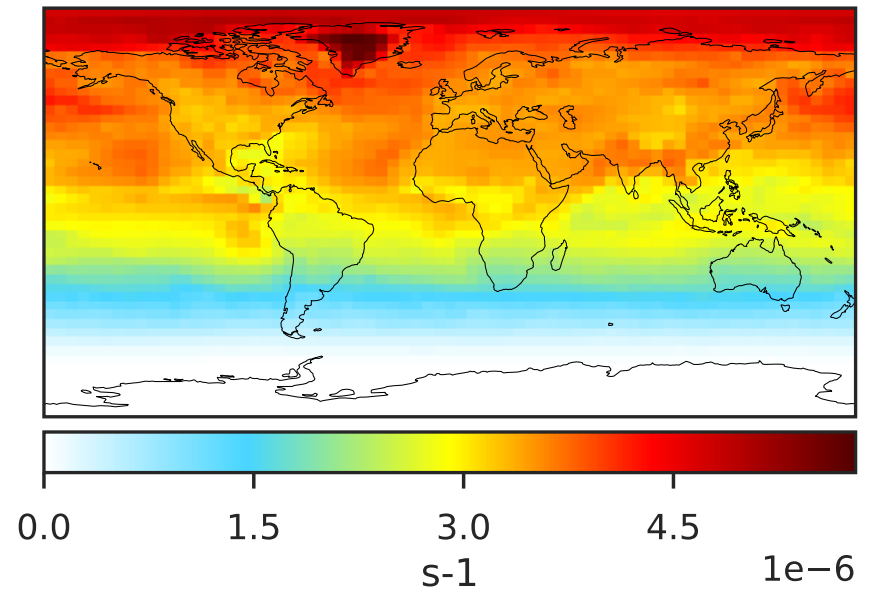
0.50 0.75 1.00 1.50 2.00
unitless

Jval_RIPC (Jul2019)

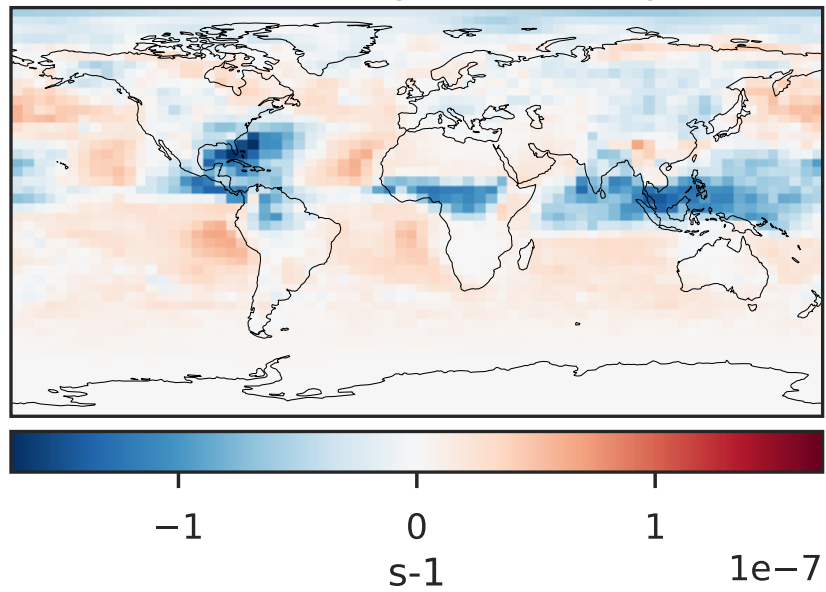
14.2.0-rc.2 (Ref)
4.0x5.0



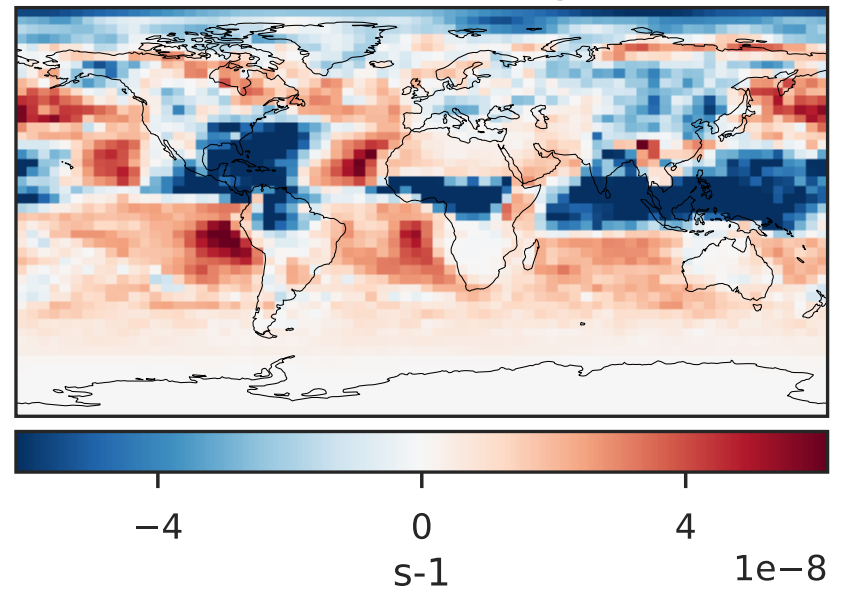
14.3.0-rc.0 (Dev)
4.0x5.0



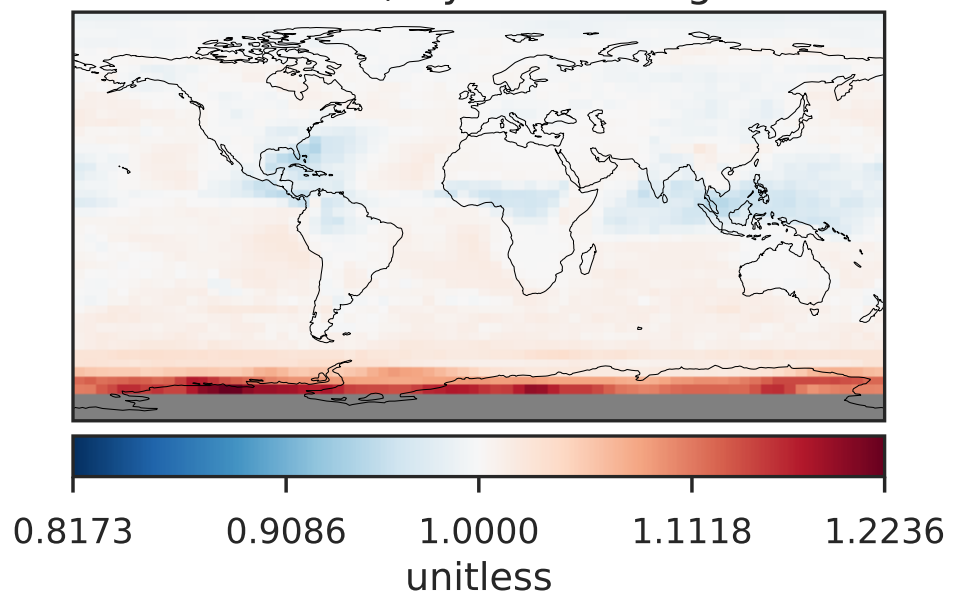
Difference
Dev - Ref, Dynamic Range



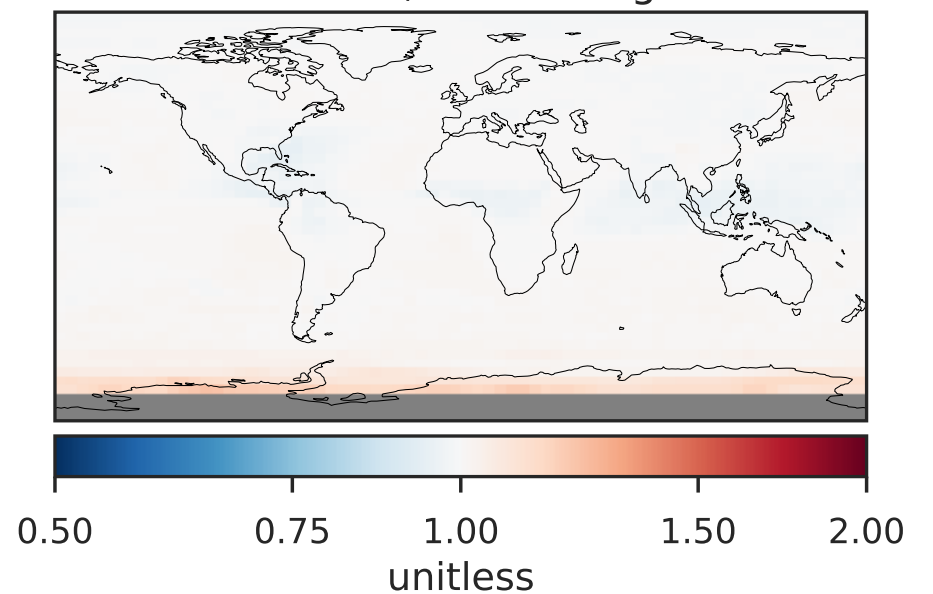
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

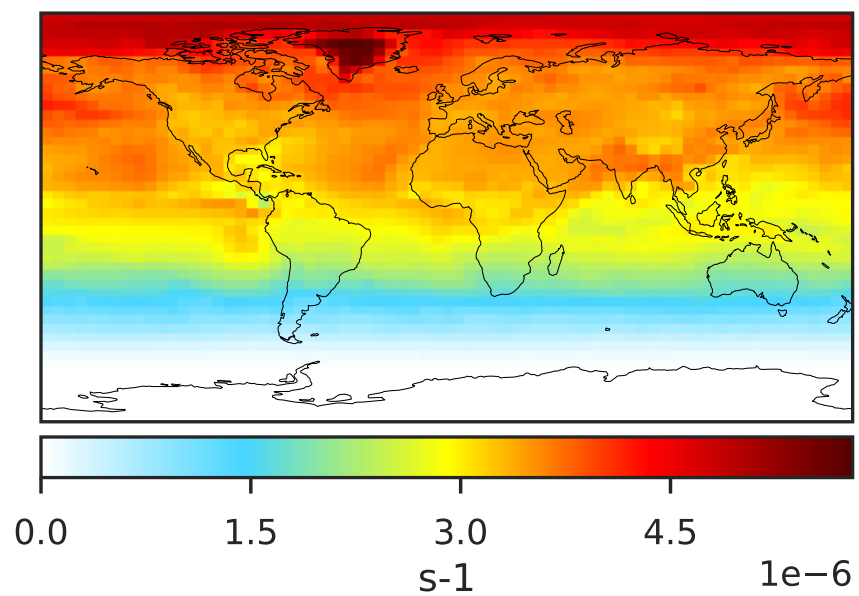


Ratio
Dev/Ref, Fixed Range

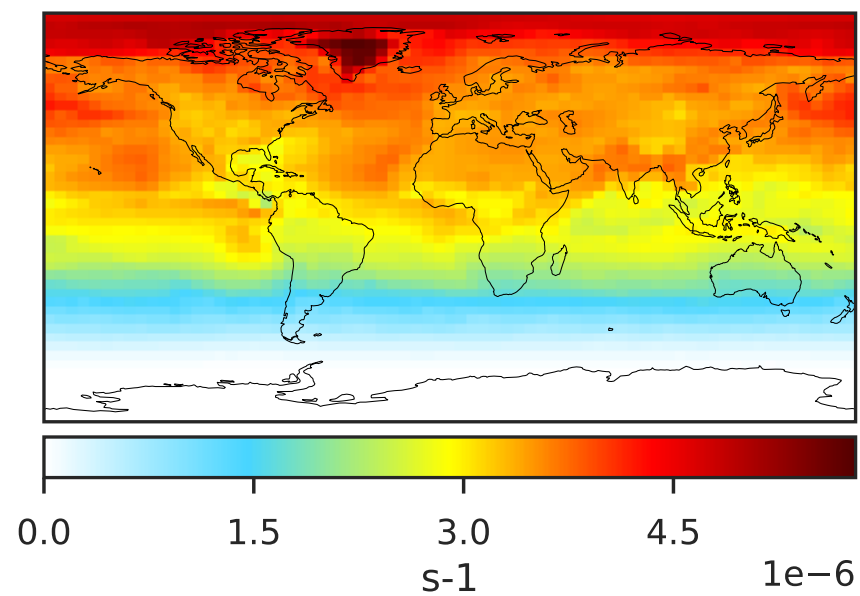


Jval_RIPD (Jul2019)

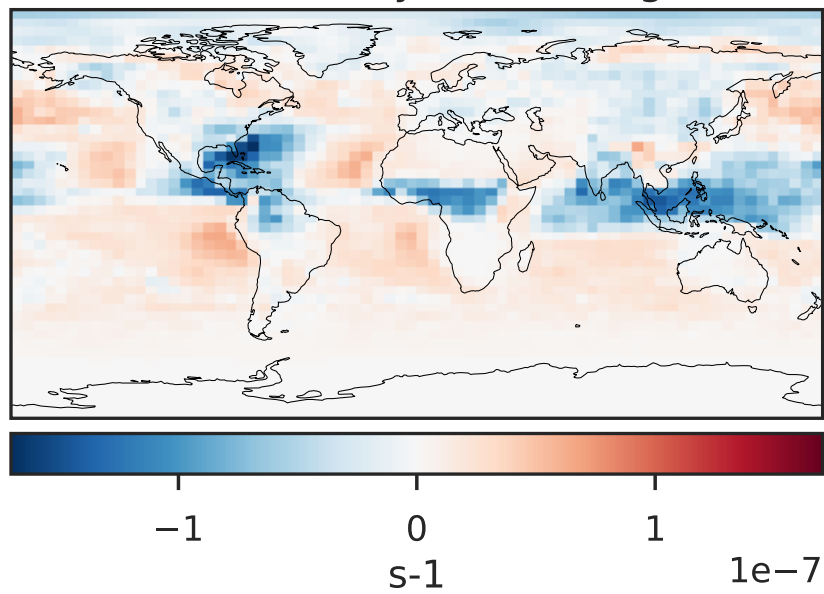
14.2.0-rc.2 (Ref)
4.0x5.0



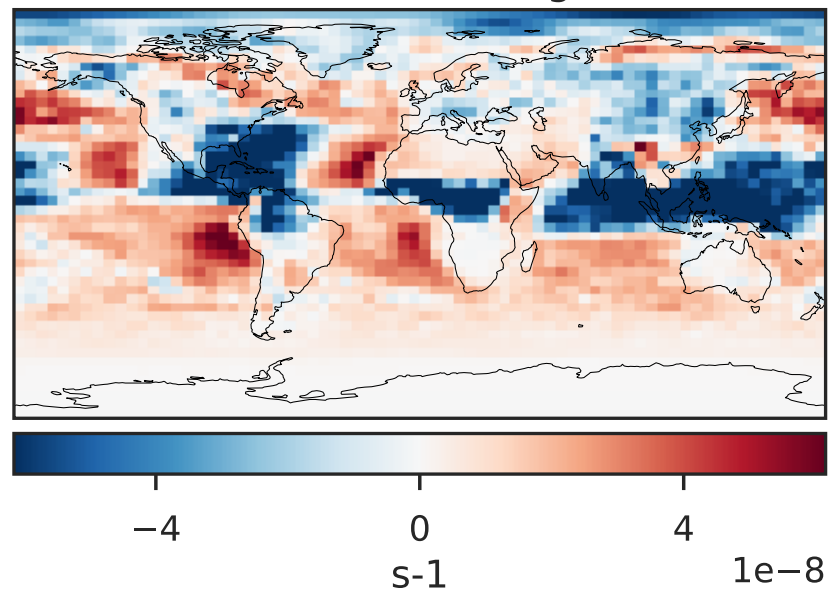
14.3.0-rc.0 (Dev)
4.0x5.0



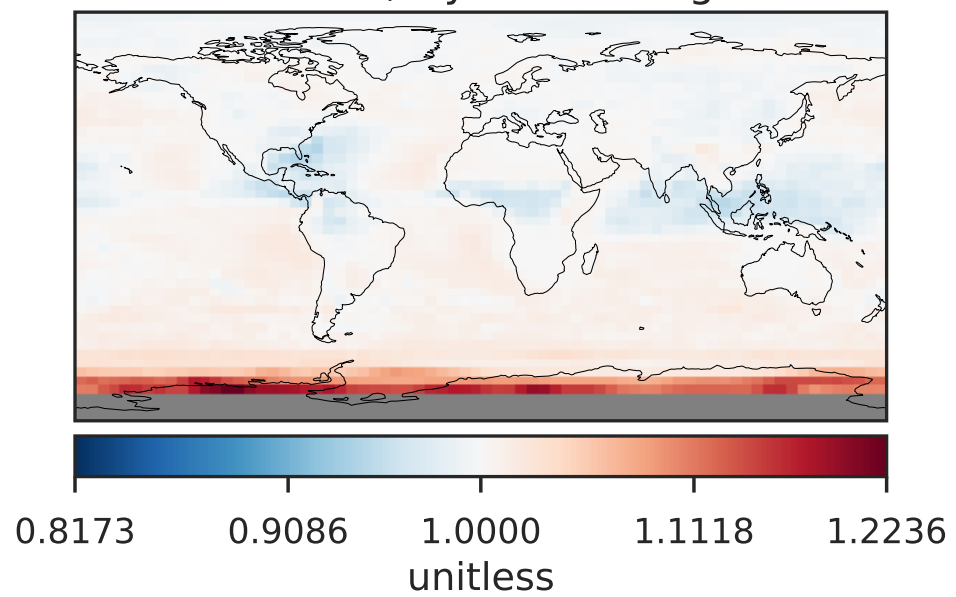
Difference
Dev - Ref, Dynamic Range



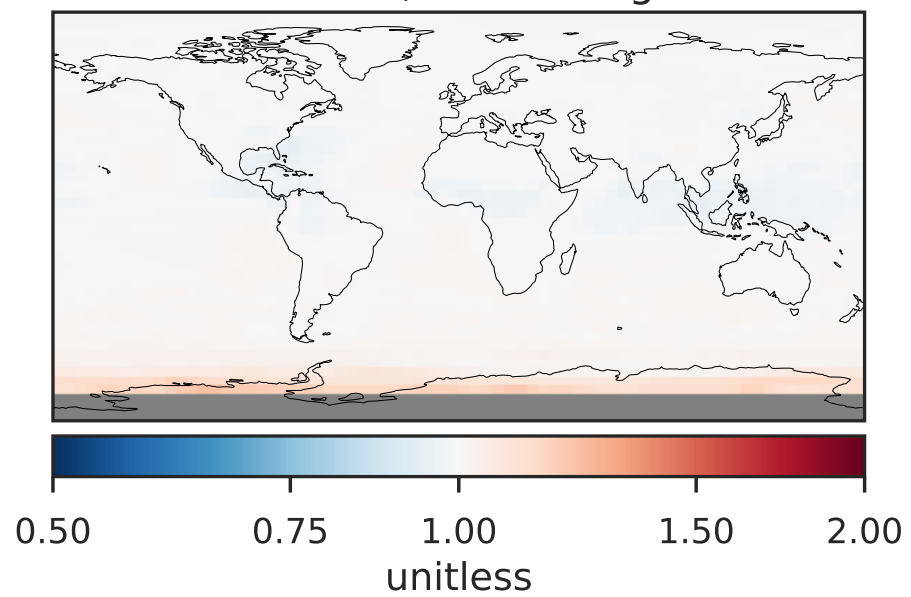
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

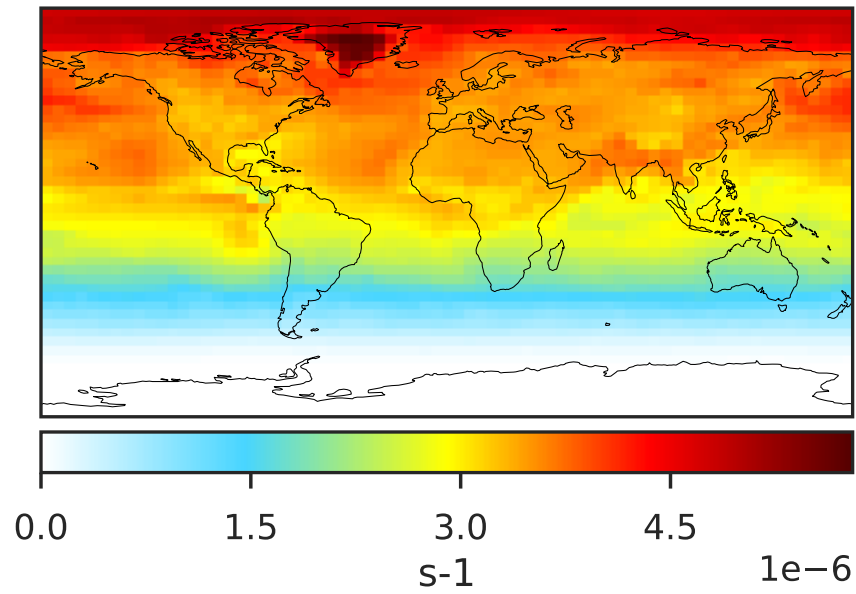


Ratio
Dev/Ref, Fixed Range

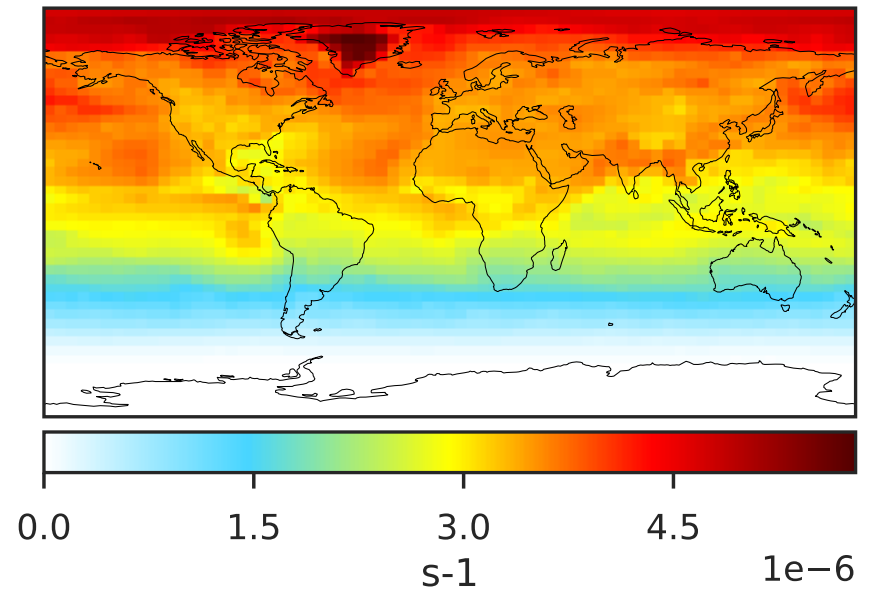


Jval_RP (Jul2019)

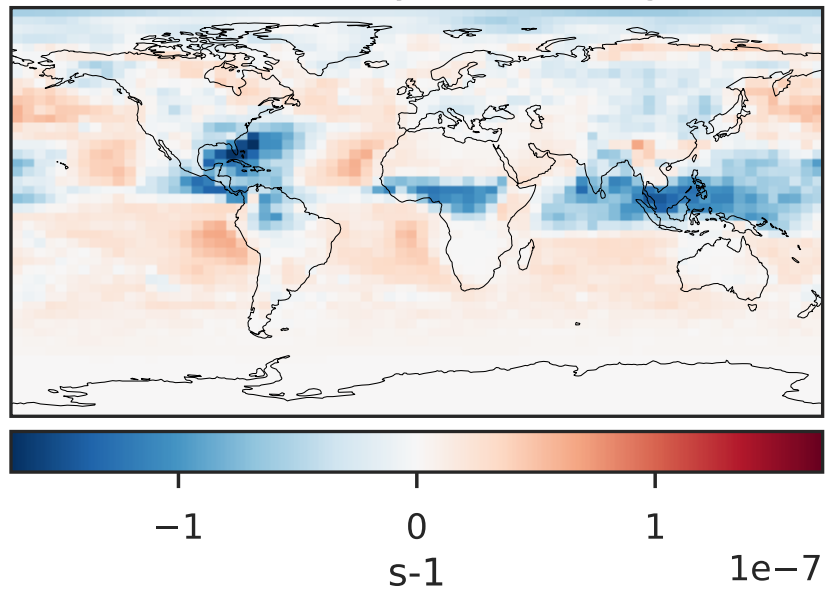
14.2.0-rc.2 (Ref)
4.0x5.0



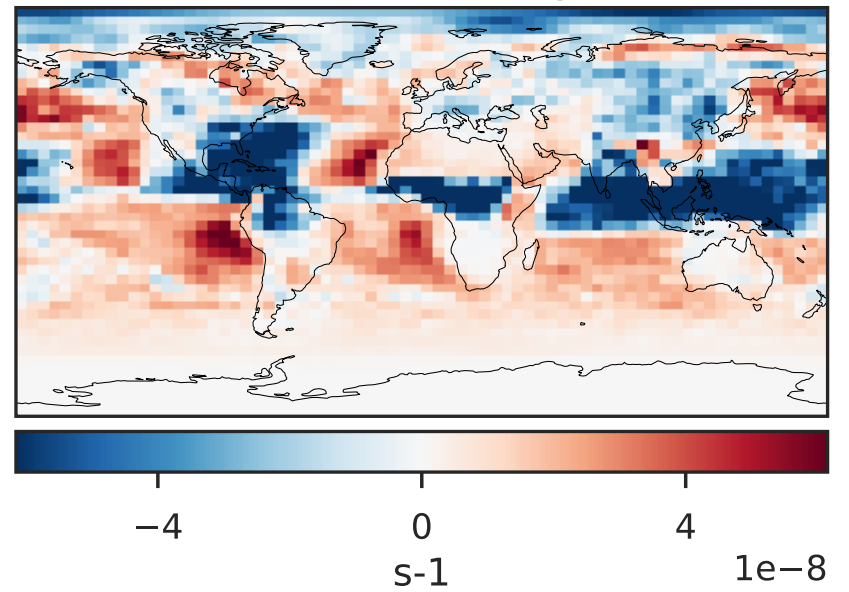
14.3.0-rc.0 (Dev)
4.0x5.0



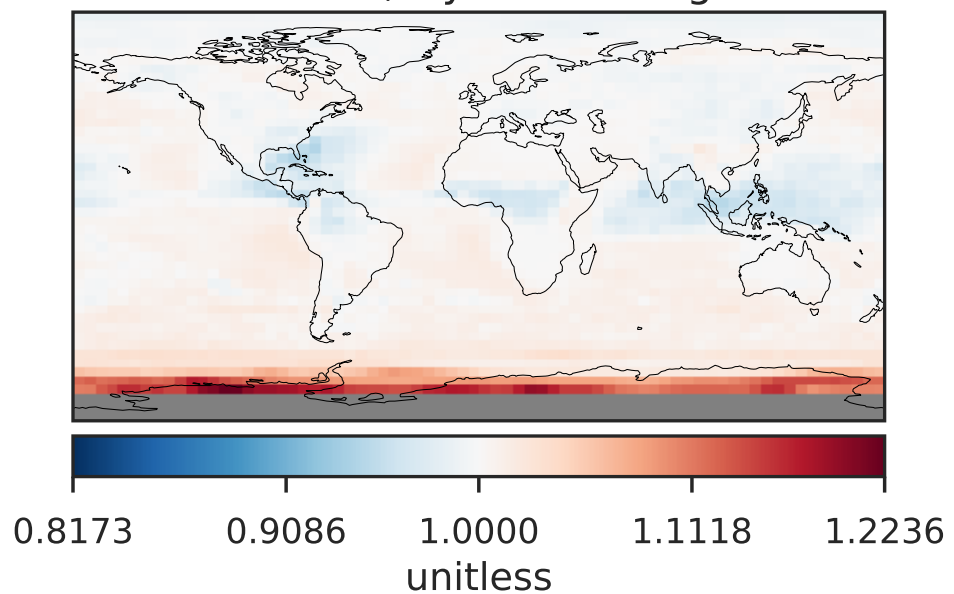
Difference
Dev - Ref, Dynamic Range



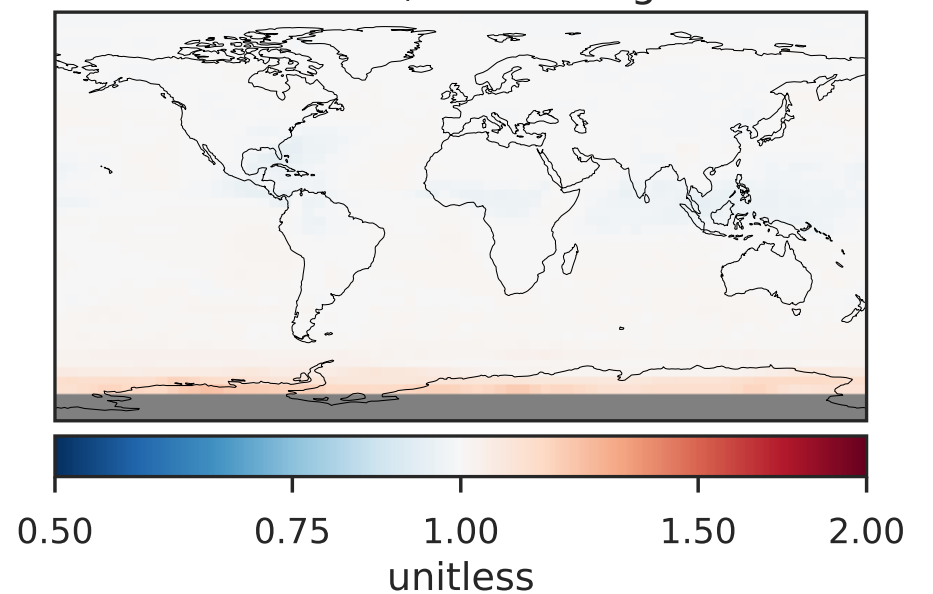
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

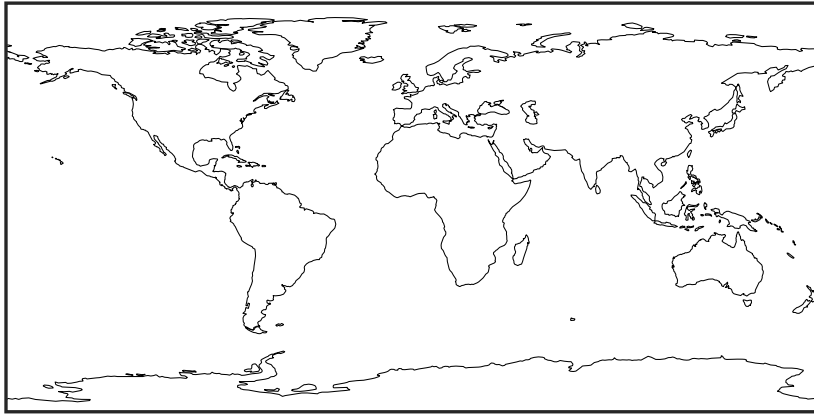


Ratio
Dev/Ref, Fixed Range



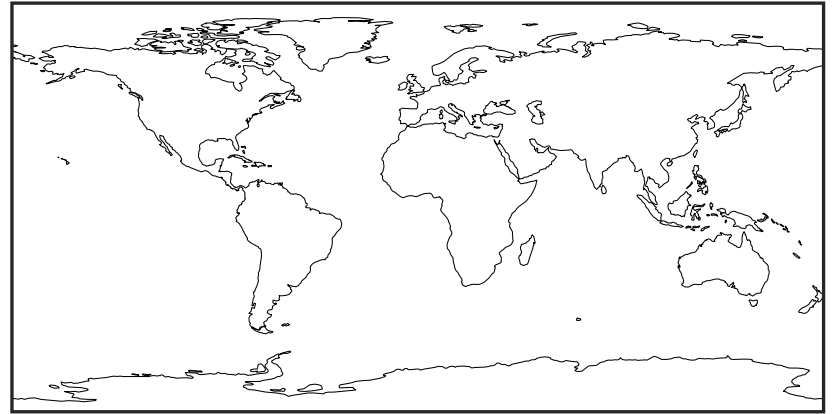
Jval_SO4 (Jul2019)

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



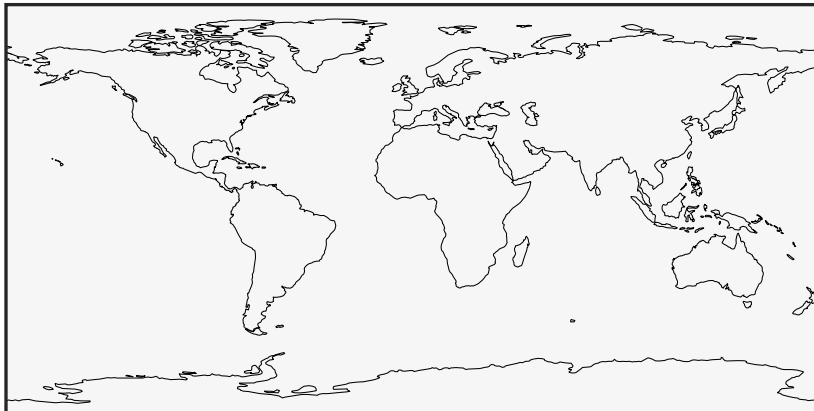
Zero throughout domain
s-1

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



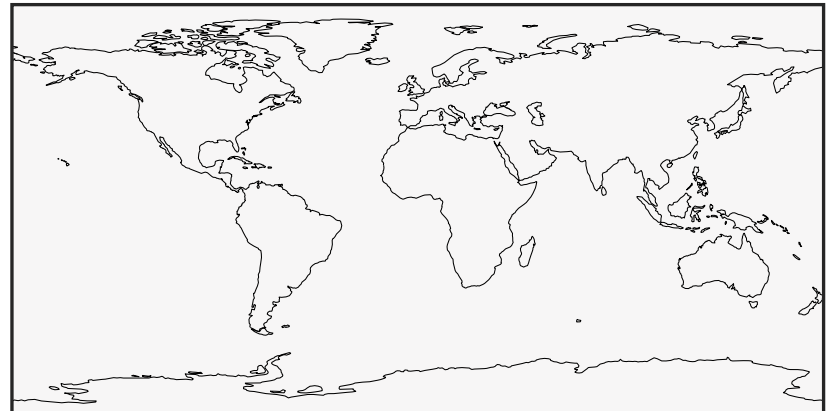
Zero throughout domain
s-1

Difference
Dev - Ref, Dynamic Range



Zero throughout domain
s-1

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



Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range



Undefined throughout domain
unitless

Ratio
Dev/Ref, Fixed Range



Undefined throughout domain
unitless