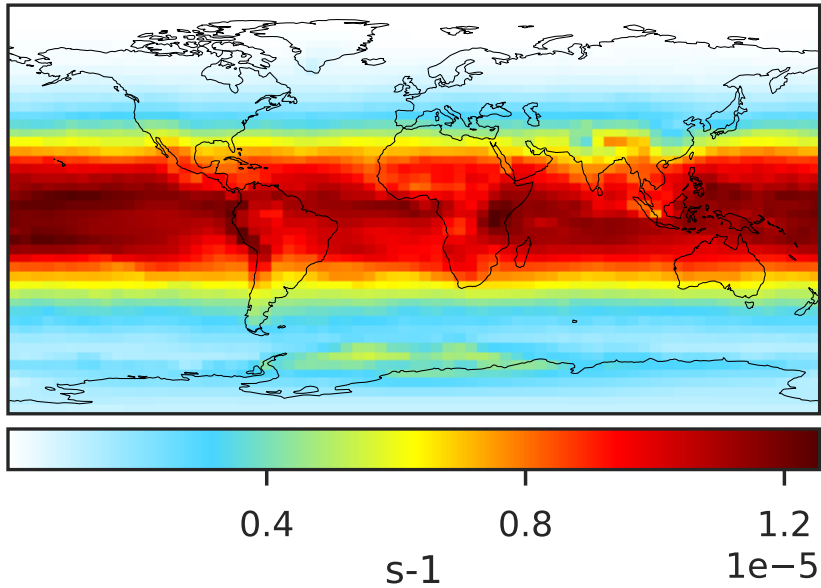
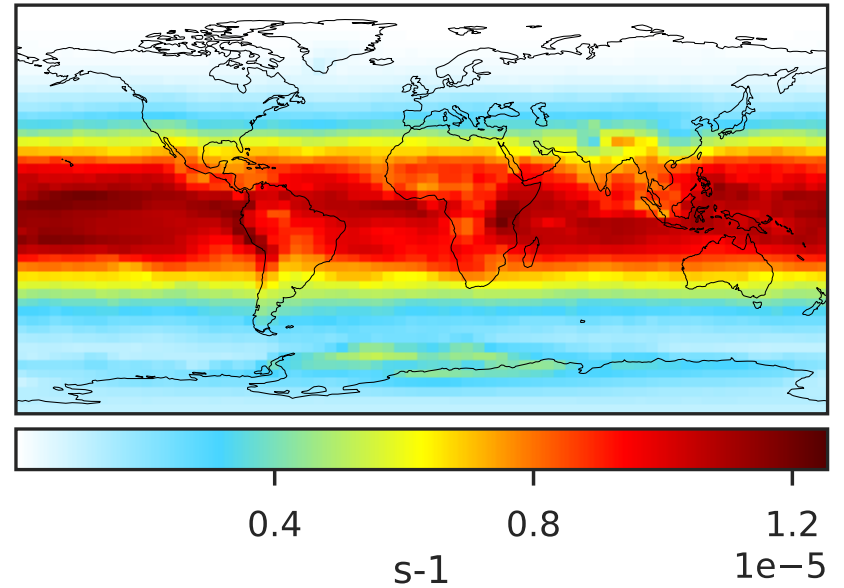


JvalO301D (Oct2019)

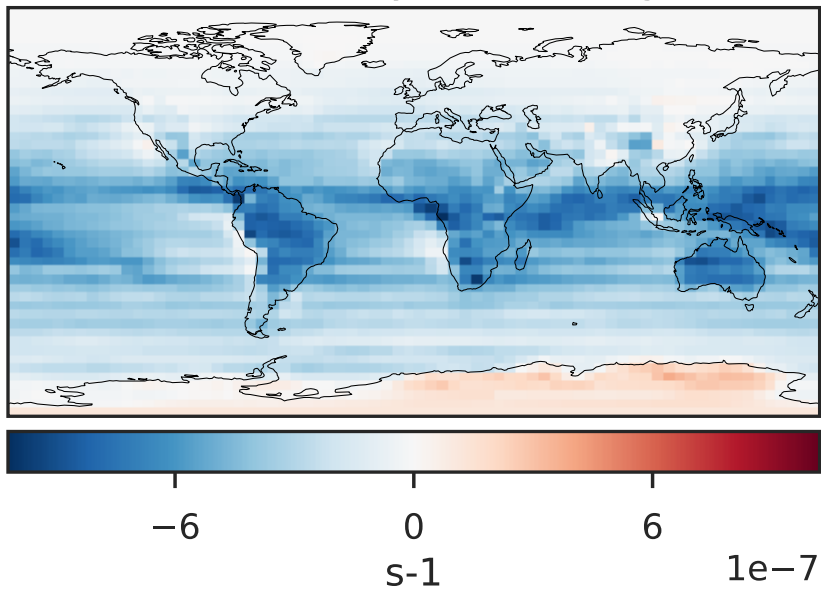
14.2.0-rc.2 (Ref)
4.0x5.0



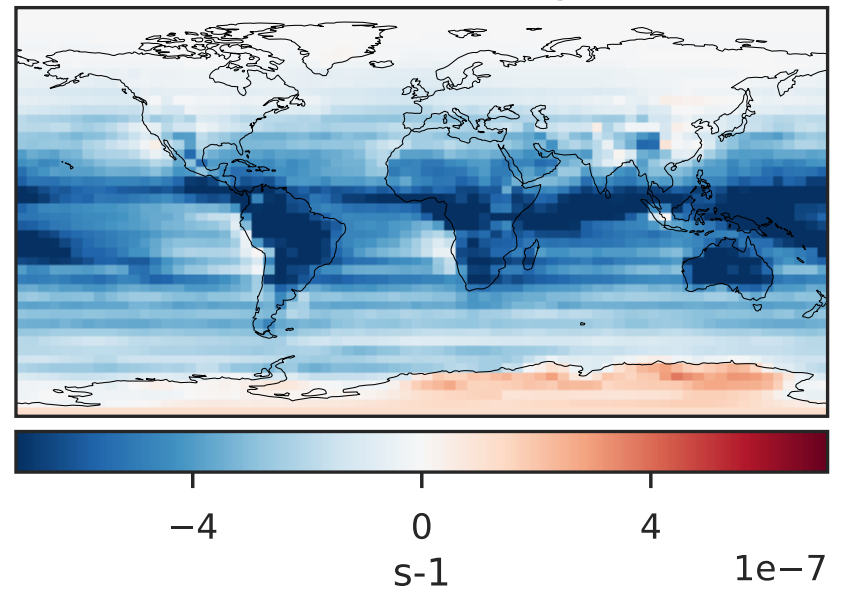
14.3.0-rc.0 (Dev)
4.0x5.0



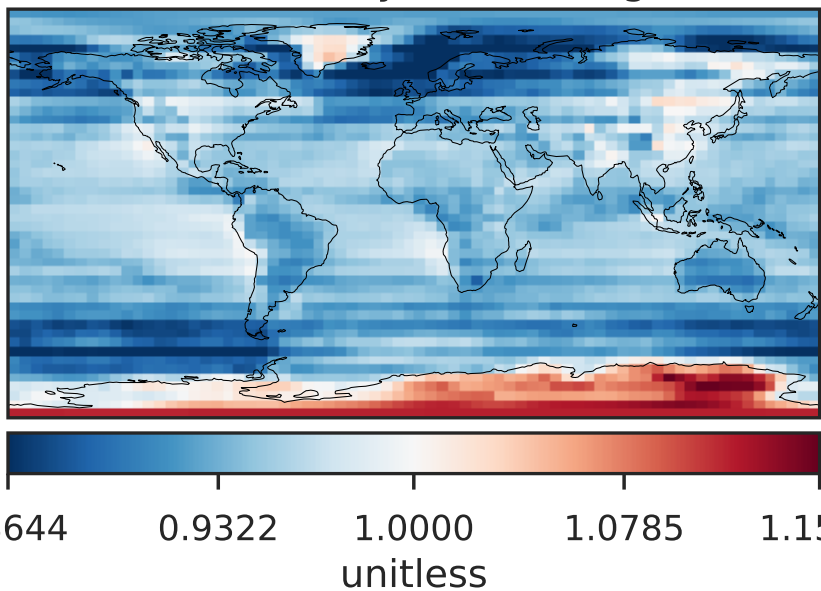
Difference
Dev - Ref, Dynamic Range



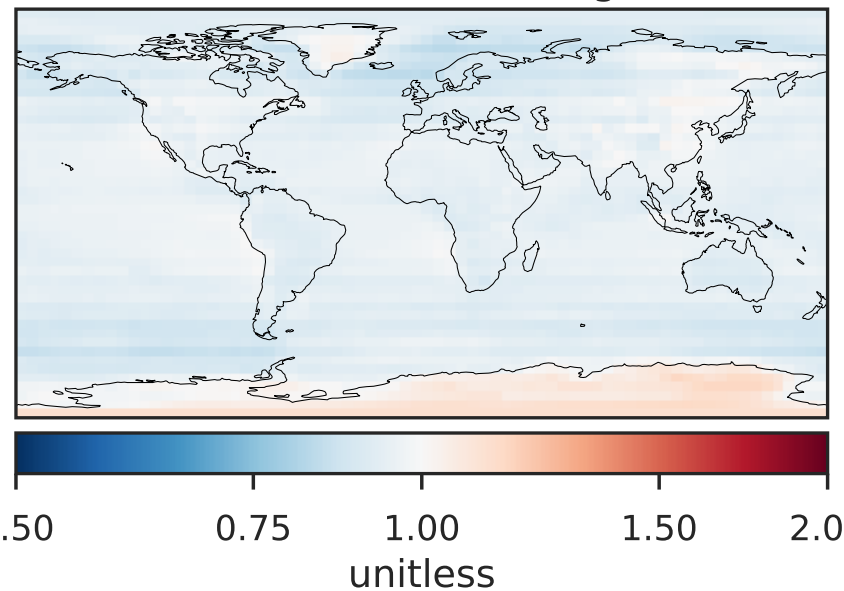
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

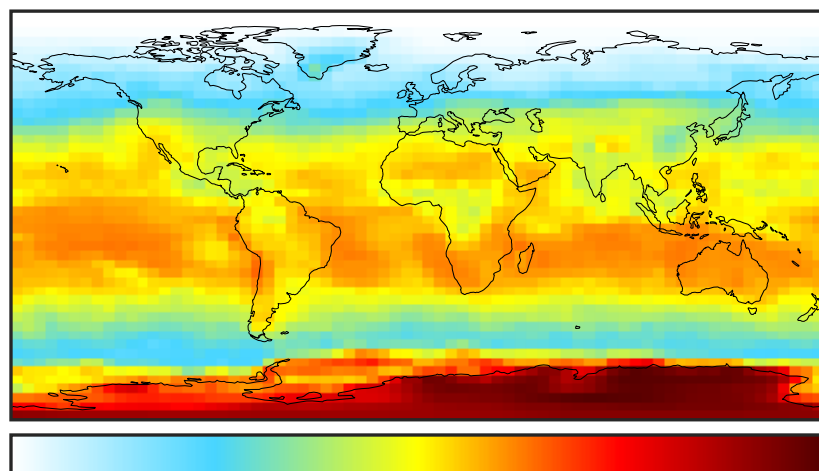


Ratio
Dev/Ref, Fixed Range



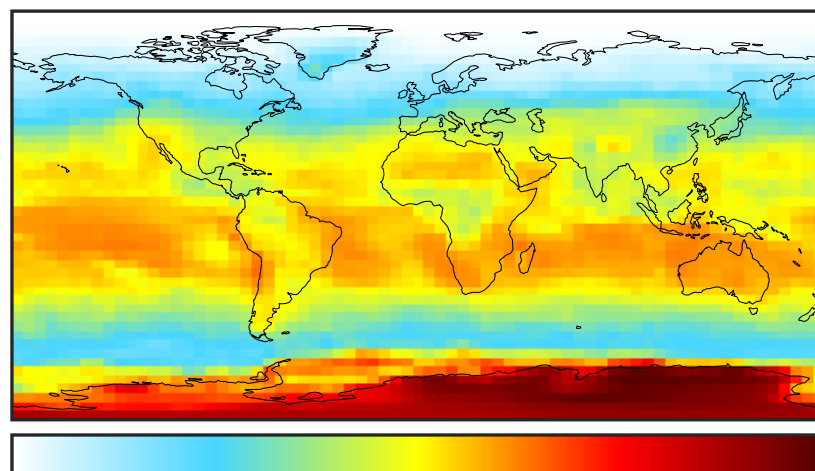
JvalO3O3P (Oct2019)

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



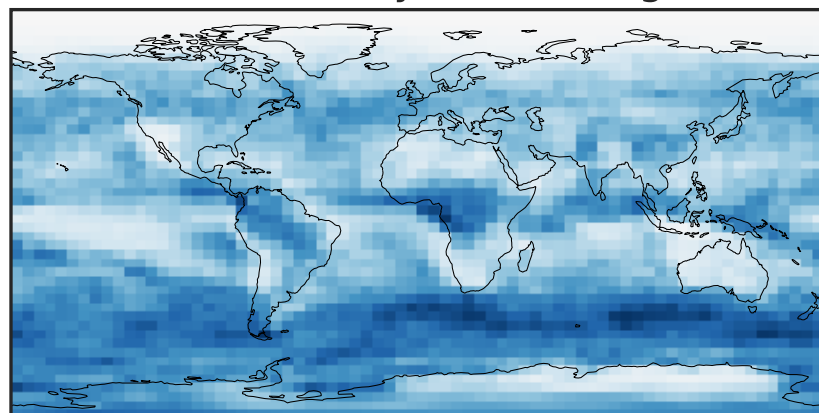
0.00008 0.00016 0.00024
s-1

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



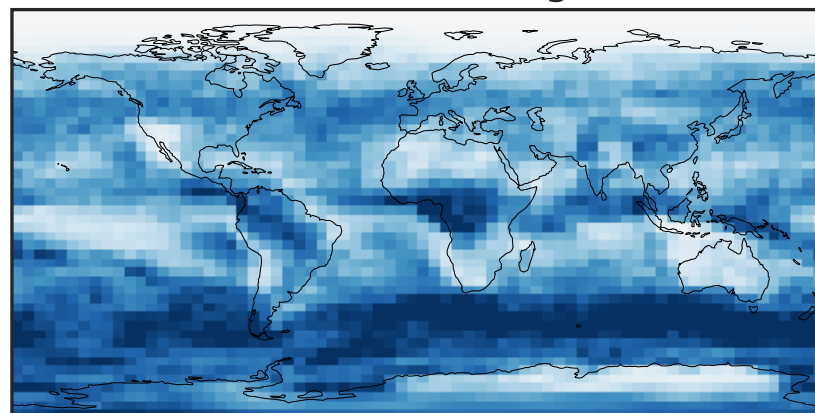
0.00008 0.00016 0.00024
s-1

Difference
Dev - Ref, Dynamic Range



-8 0 8
s-1 1e-6

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



-5 0 5
s-1 1e-6

Ratio
Dev/Ref, Dynamic Range



0.998477 0.999238 1.000000 1.000763 1.001526
unitless

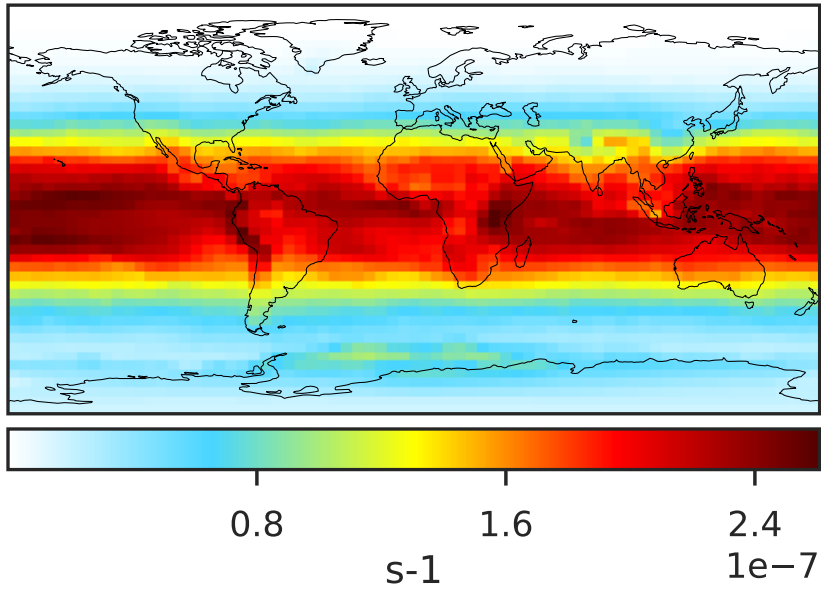
Ratio
Dev/Ref, Fixed Range



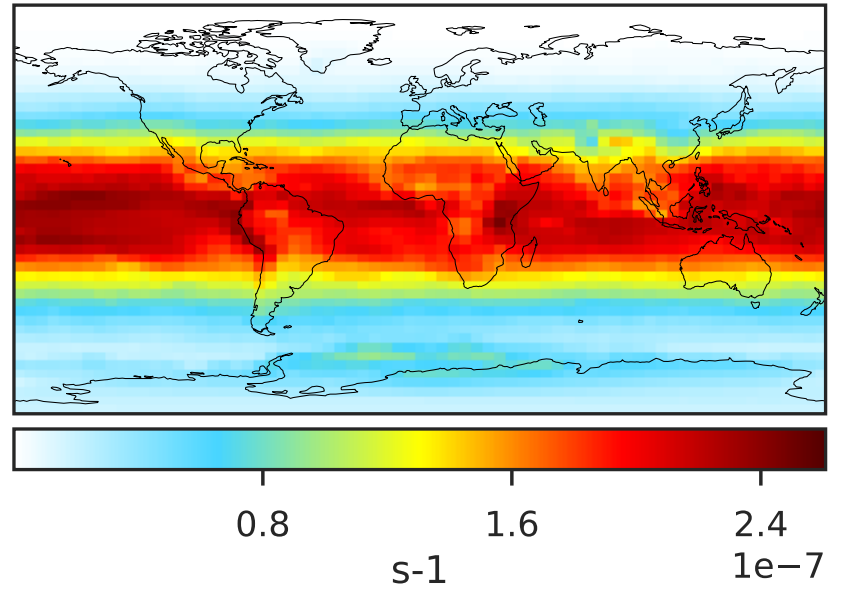
0.50 0.75 1.00 1.50 2.00
unitless

Jval_ACET (Oct2019)

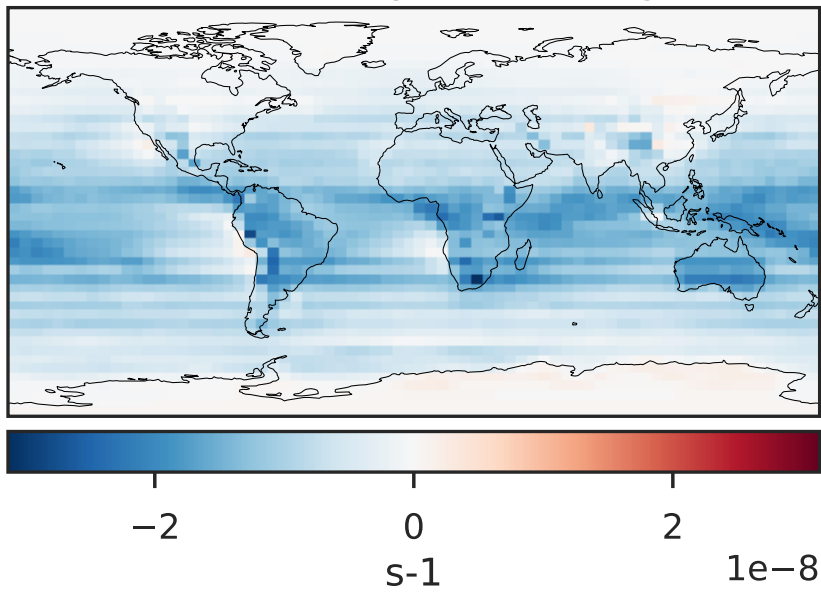
14.2.0-rc.2 (Ref)
4.0x5.0



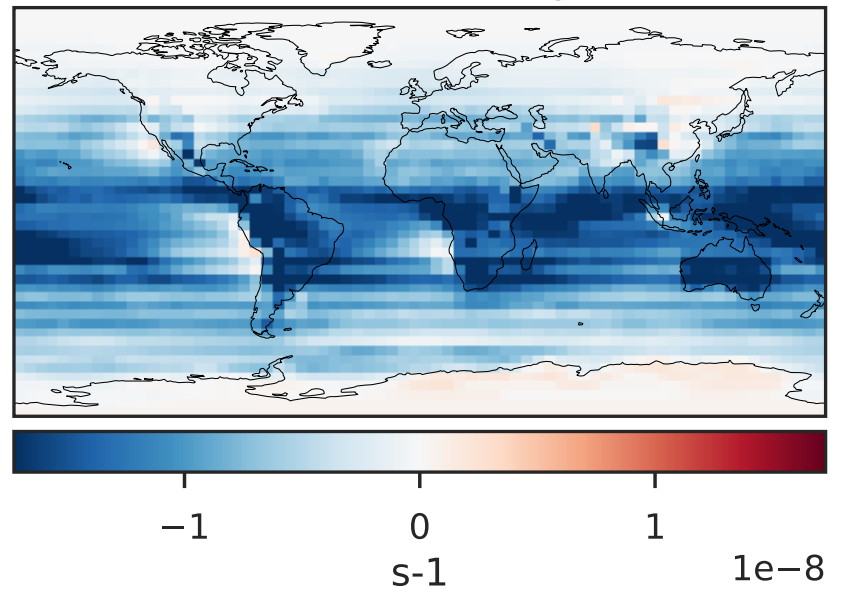
14.3.0-rc.0 (Dev)
4.0x5.0



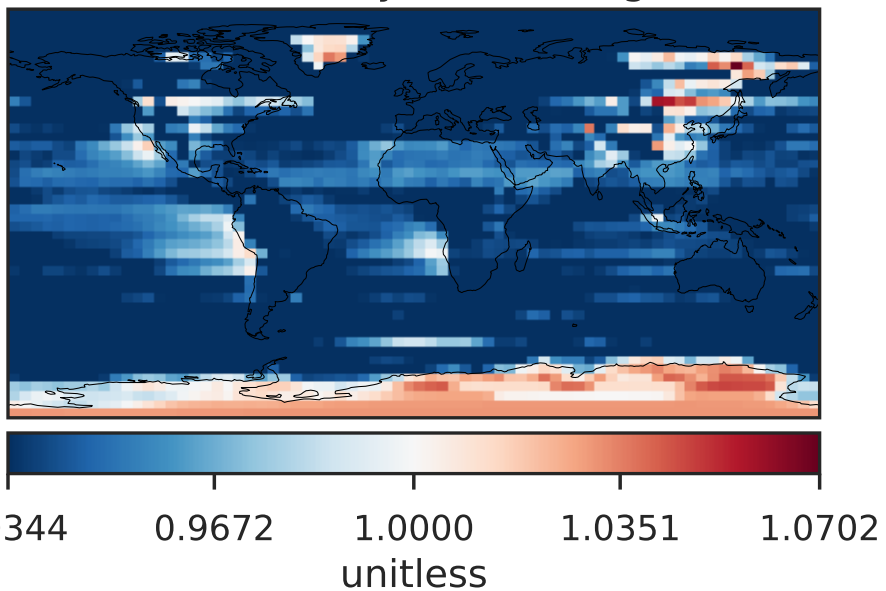
Difference
Dev - Ref, Dynamic Range



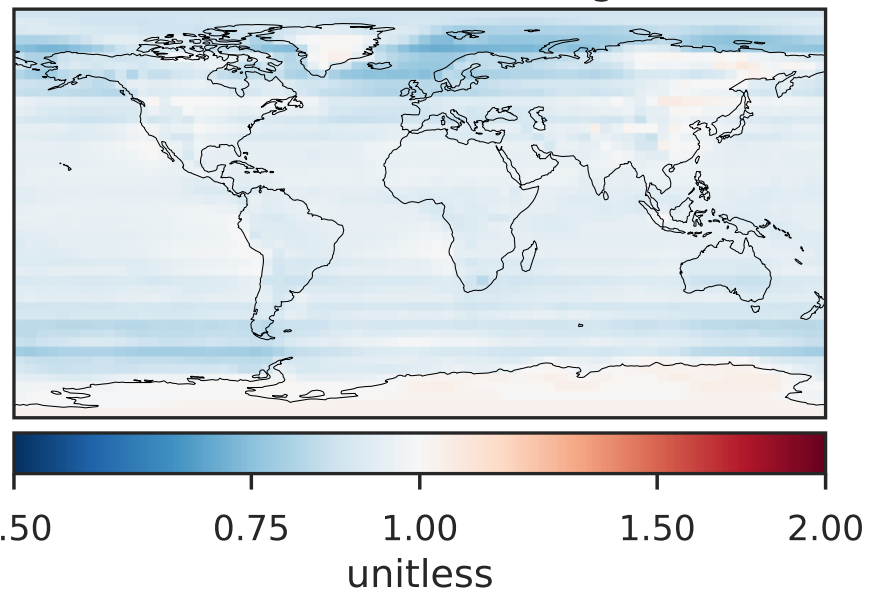
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

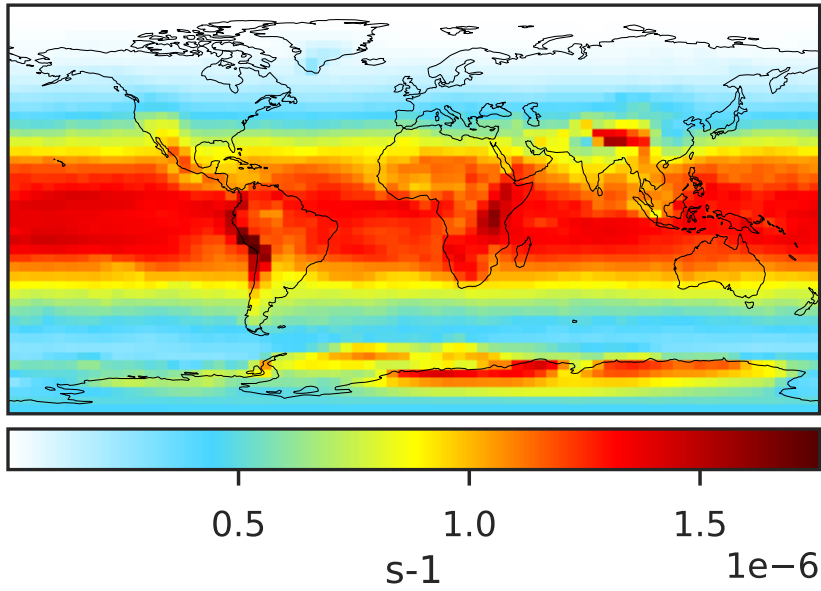


Ratio
Dev/Ref, Fixed Range

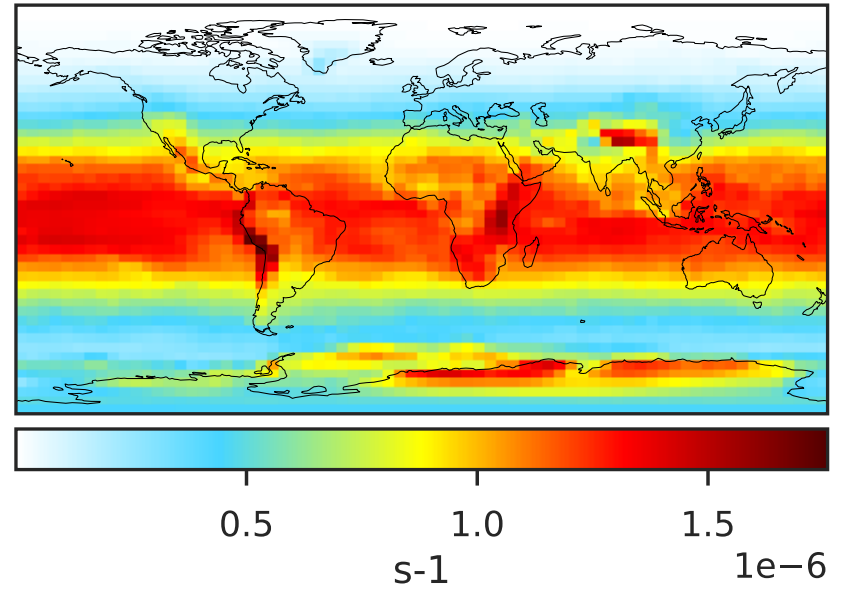


Jval_ALD2 (Oct2019)

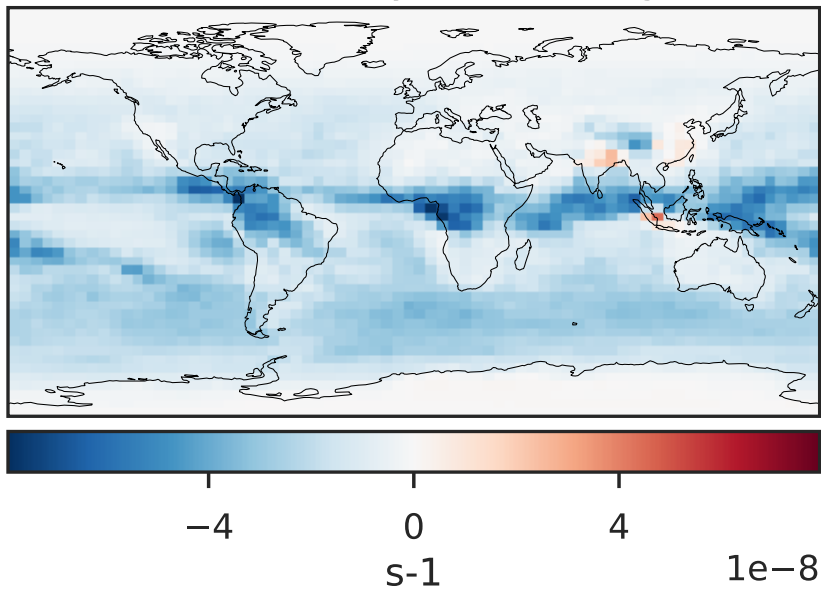
14.2.0-rc.2 (Ref)
4.0x5.0



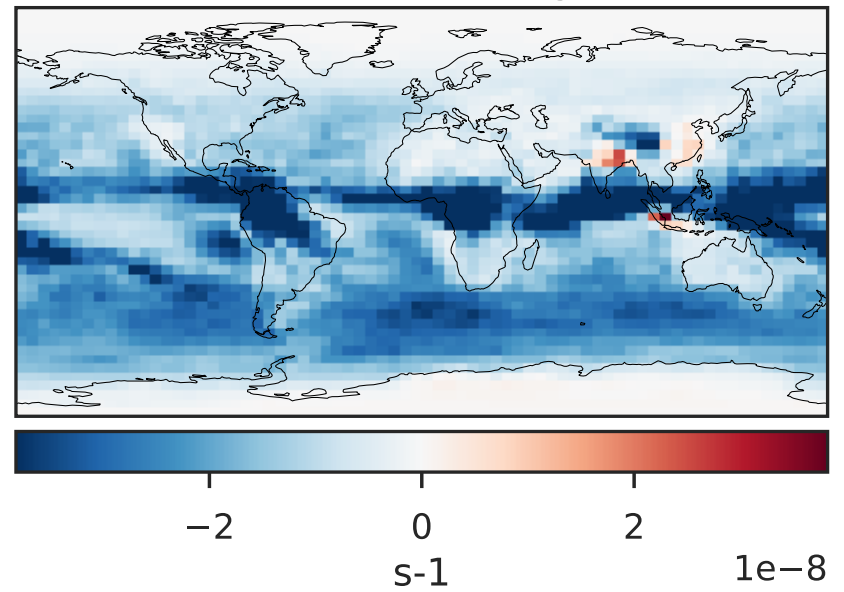
14.3.0-rc.0 (Dev)
4.0x5.0



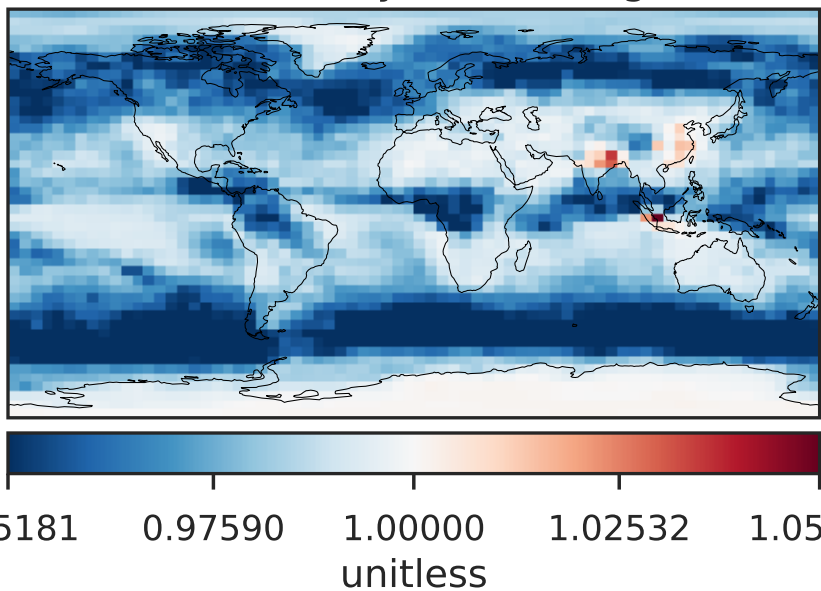
Difference
Dev - Ref, Dynamic Range



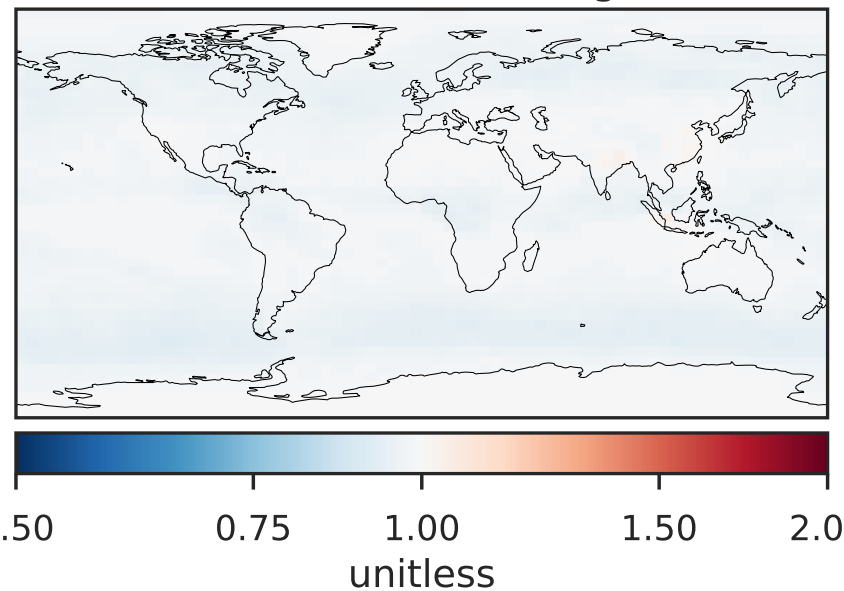
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

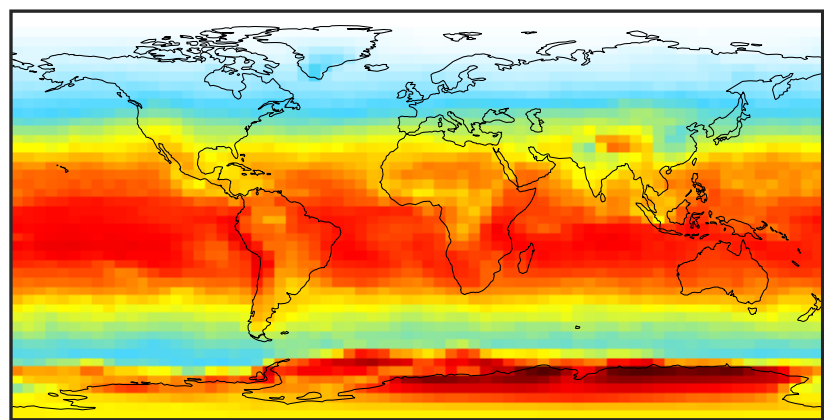


Ratio
Dev/Ref, Fixed Range



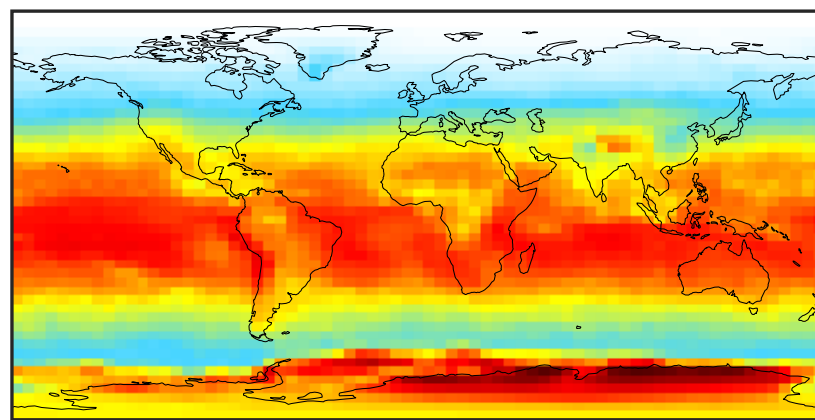
Jval_ATOOH (Oct2019)

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



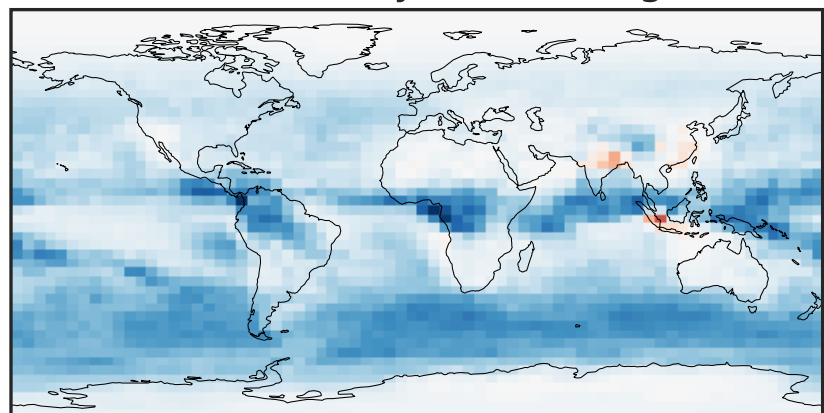
0.8 1.6 2.4
s-1 1e-6

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



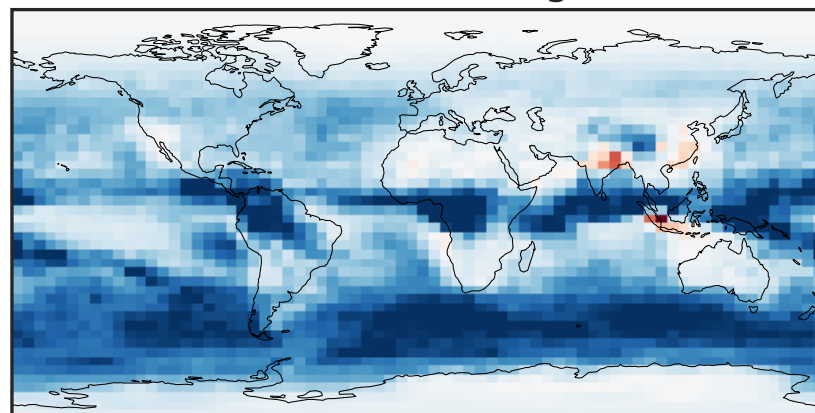
0.8 1.6 2.4
s-1 1e-6

Difference
Dev - Ref, Dynamic Range



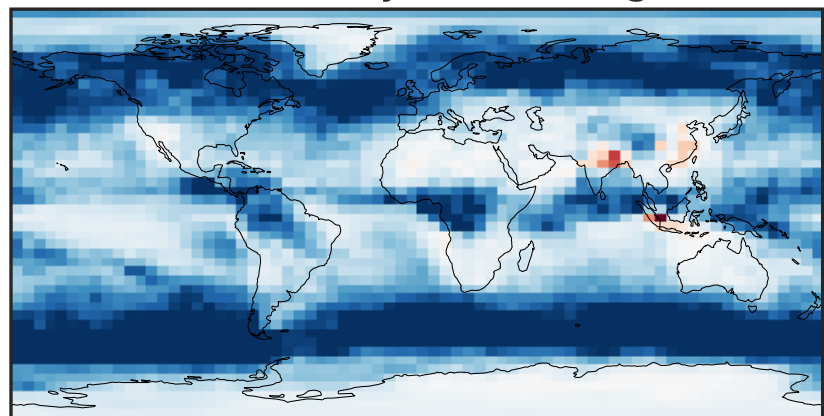
-6 0 6
s-1 1e-8

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



-4 0 4
s-1 1e-8

Ratio
Dev/Ref, Dynamic Range



0.95223 0.97611 1.00000 1.02508 1.05017
unitless

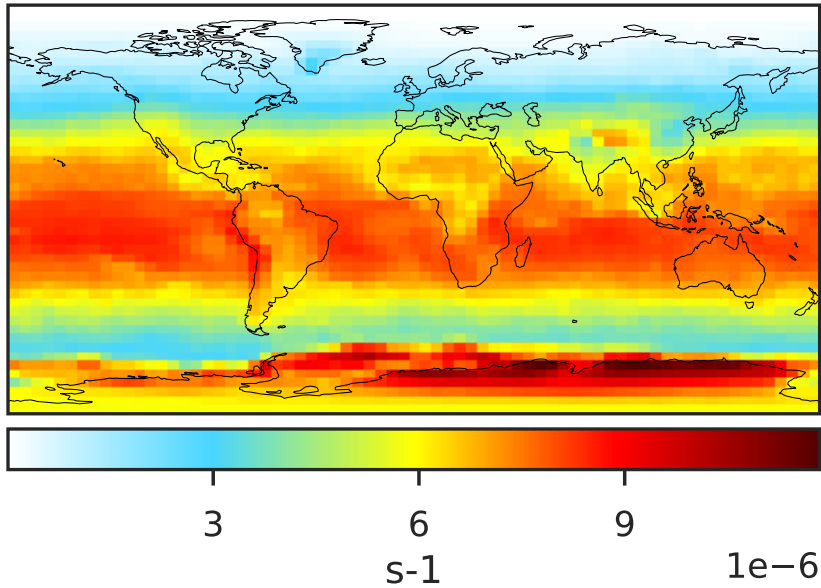
Ratio
Dev/Ref, Fixed Range



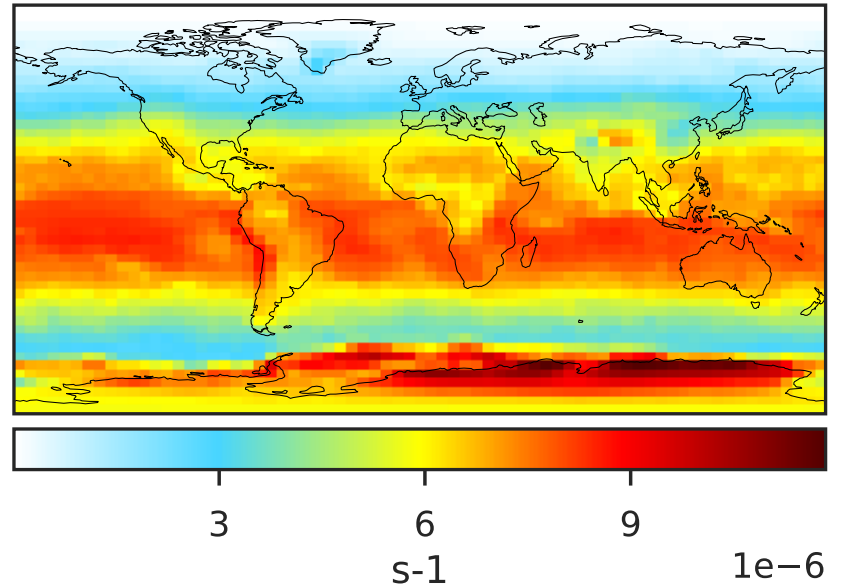
0.50 0.75 1.00 1.50 2.00
unitless

Jval_BALD (Oct2019)

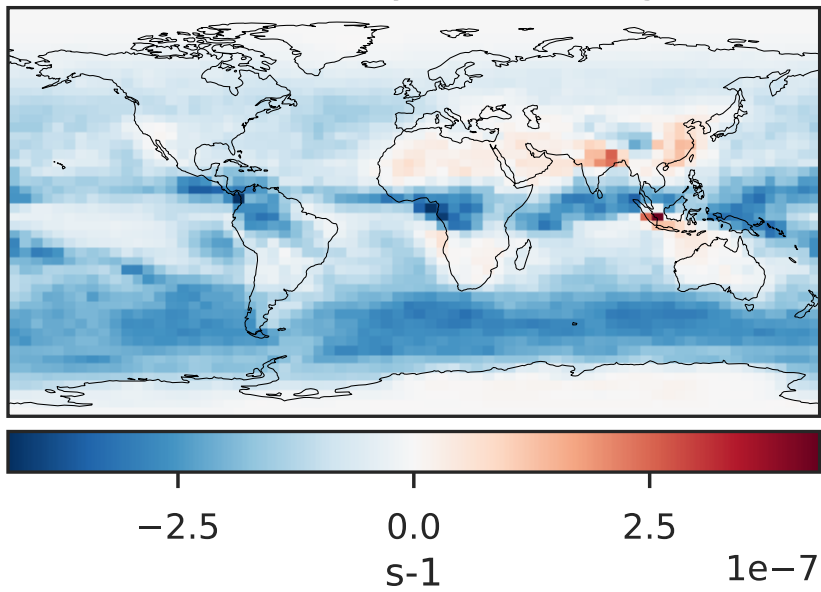
14.2.0-rc.2 (Ref)
4.0x5.0



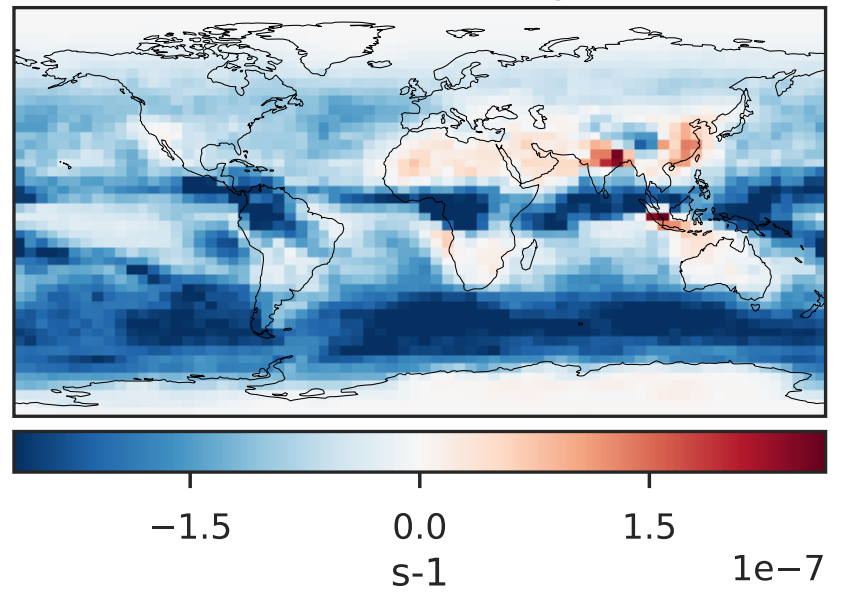
14.3.0-rc.0 (Dev)
4.0x5.0



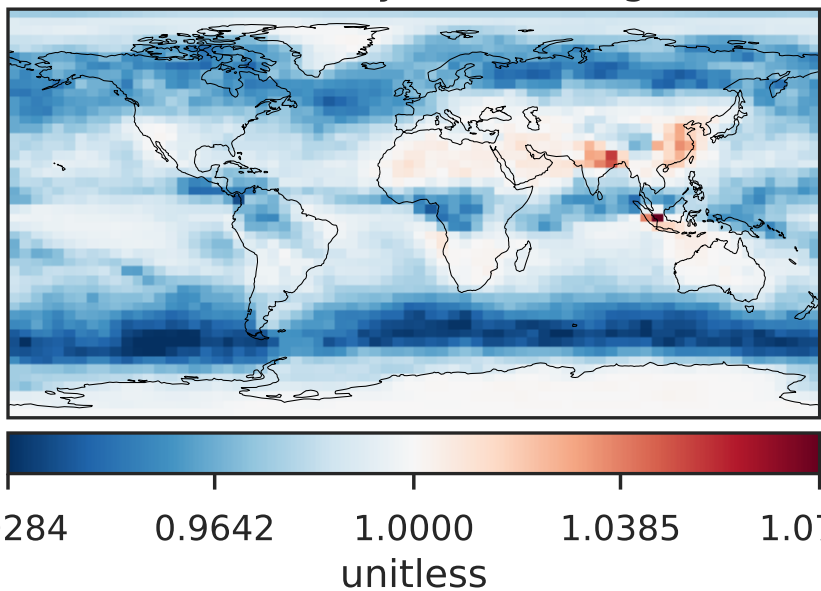
Difference
Dev - Ref, Dynamic Range



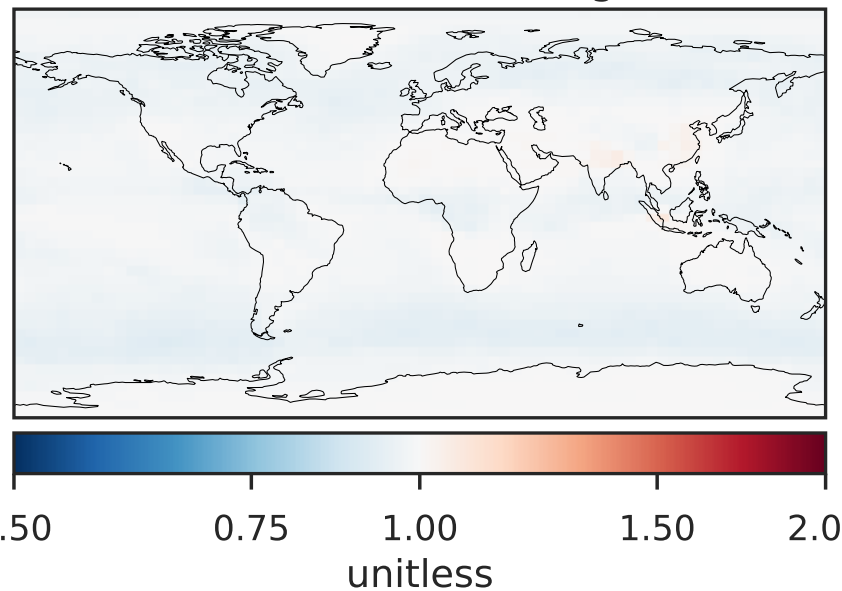
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

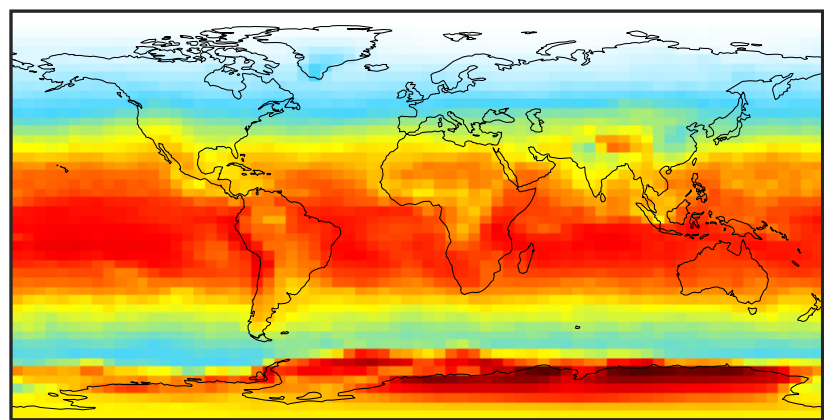


Ratio
Dev/Ref, Fixed Range



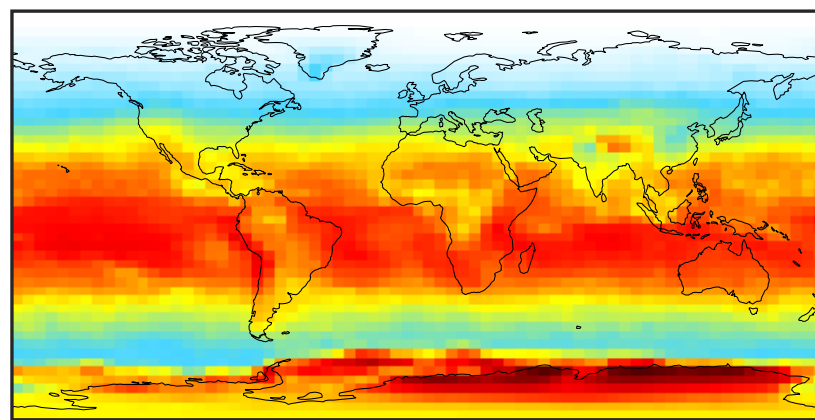
Jval_BENZP (Oct2019)

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



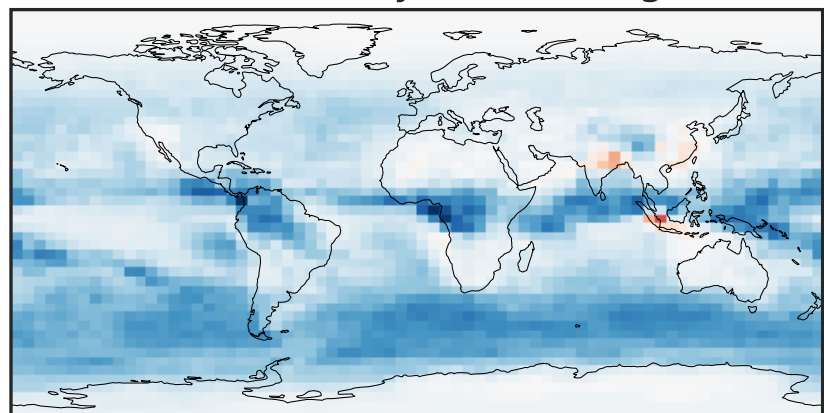
0.8 1.6 2.4
s-1 1e-6

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



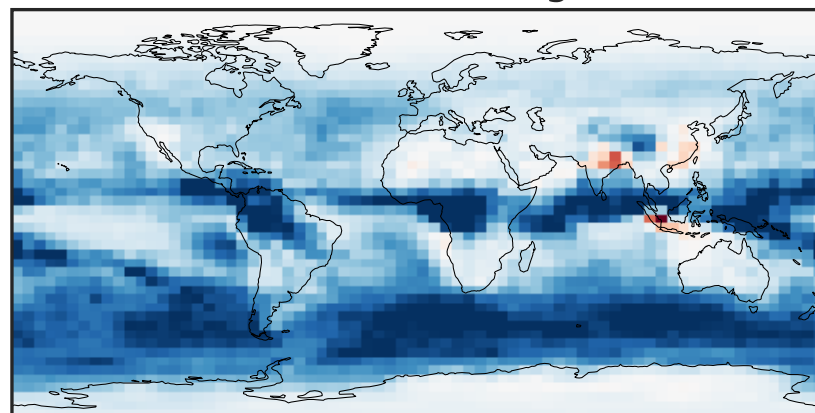
0.8 1.6 2.4
s-1 1e-6

Difference
Dev - Ref, Dynamic Range



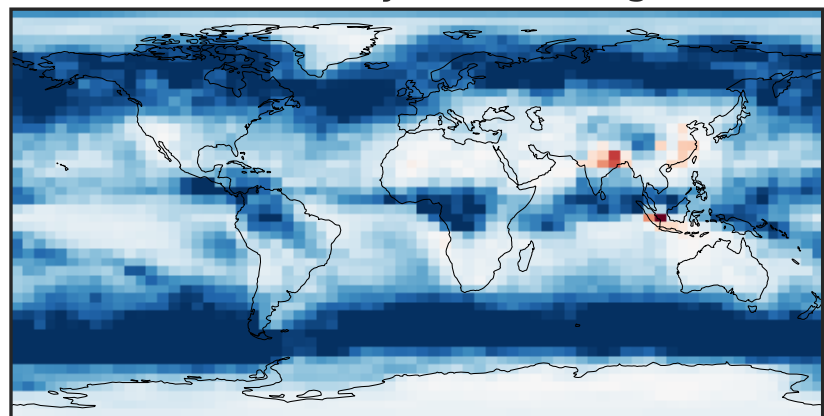
-6 0 6
s-1 1e-8

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



-4 0 4
s-1 1e-8

Ratio
Dev/Ref, Dynamic Range



0.95223 0.97611 1.00000 1.02508 1.05017
unitless

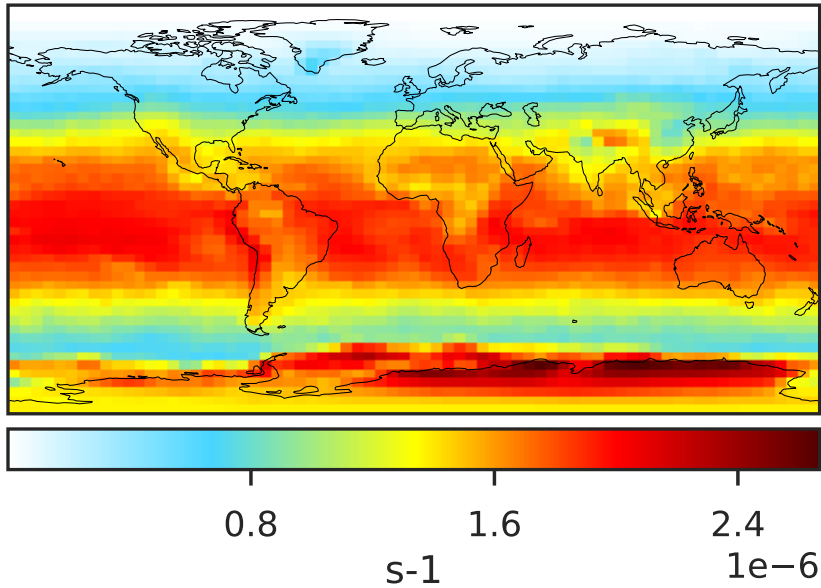
Ratio
Dev/Ref, Fixed Range



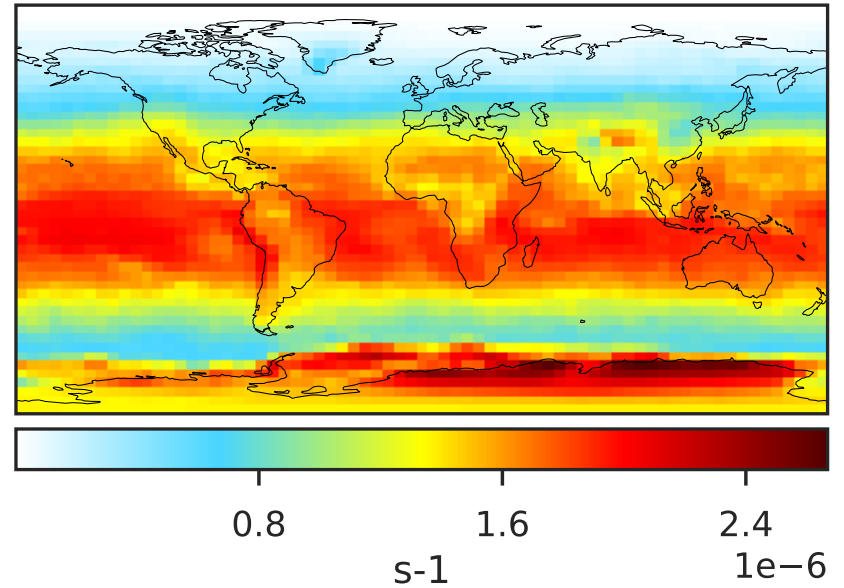
0.50 0.75 1.00 1.50 2.00
unitless

Jval_BZCO3H (Oct2019)

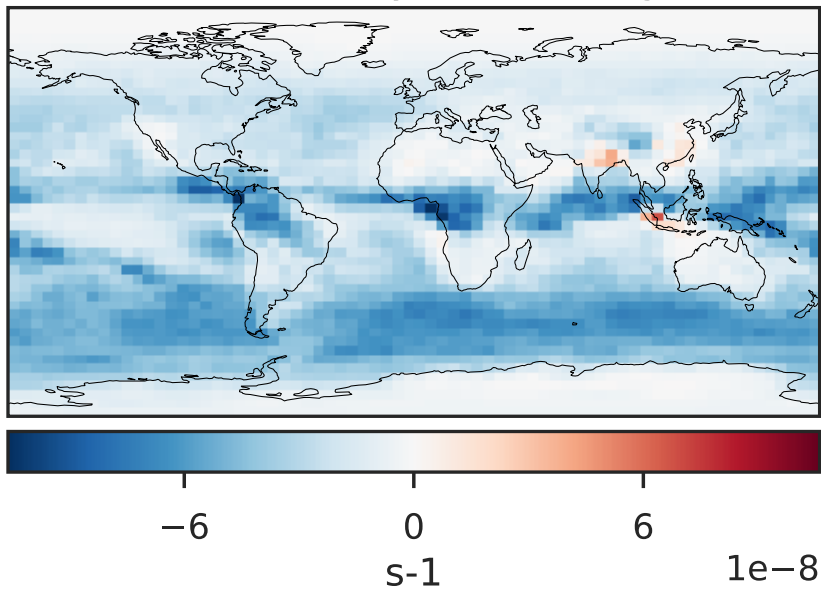
14.2.0-rc.2 (Ref)
4.0x5.0



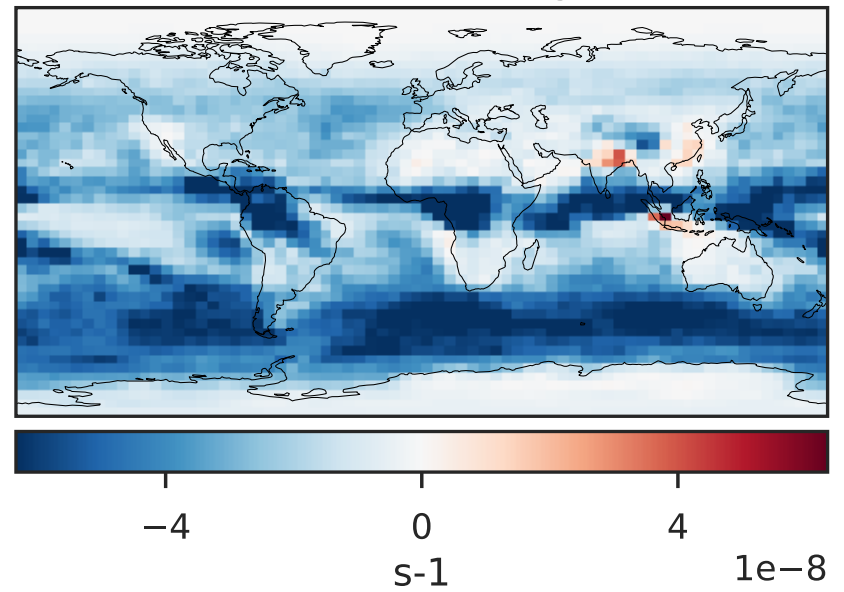
14.3.0-rc.0 (Dev)
4.0x5.0



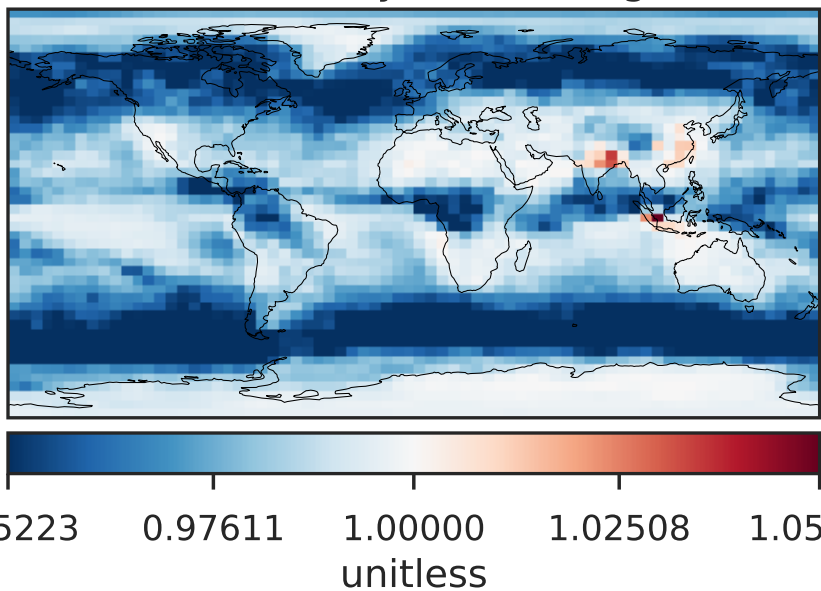
Difference
Dev - Ref, Dynamic Range



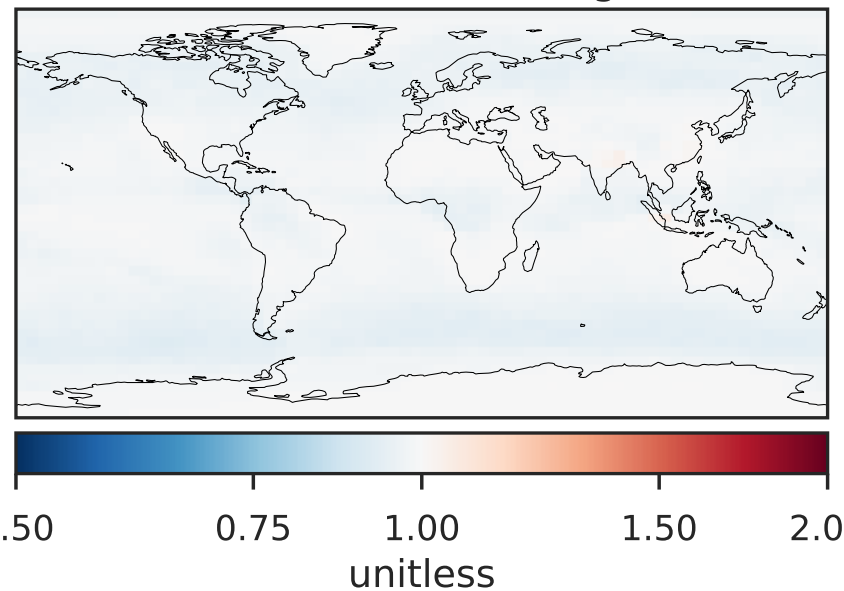
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

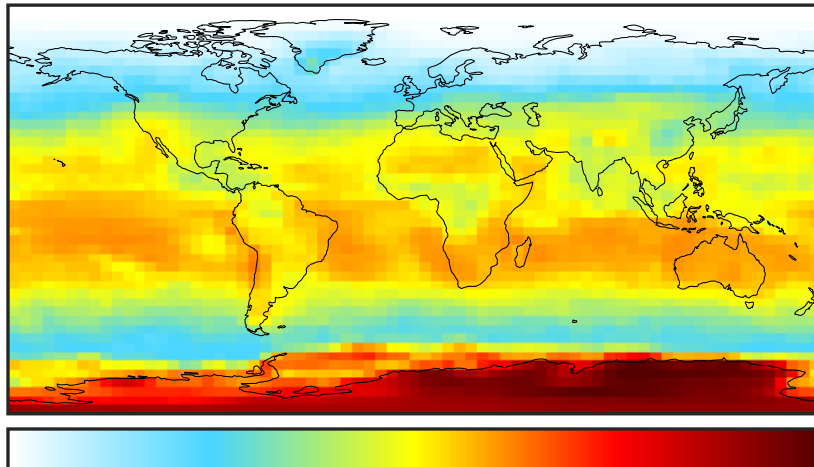


Ratio
Dev/Ref, Fixed Range



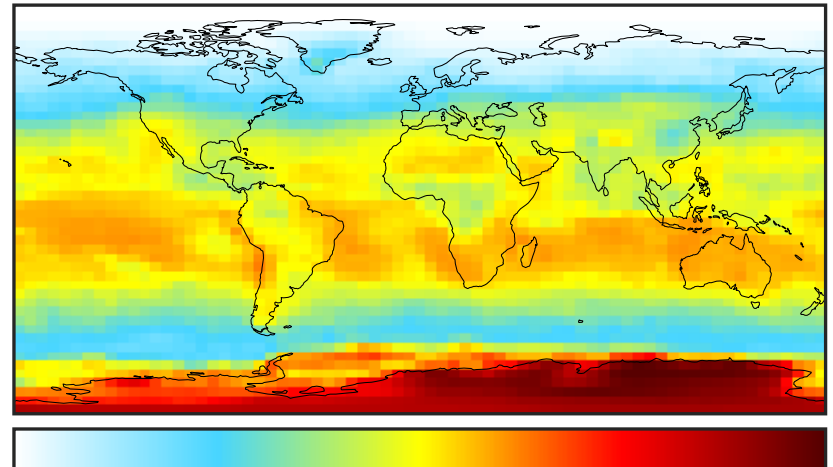
Jval_Br2 (Oct2019)

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



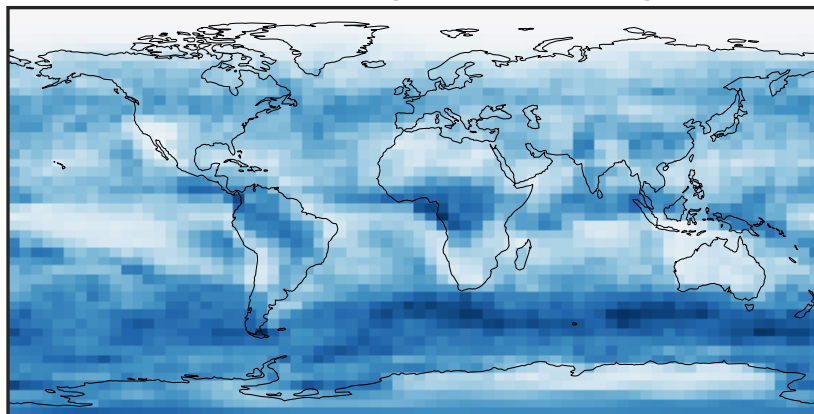
0.006 0.012 0.018
s-1

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



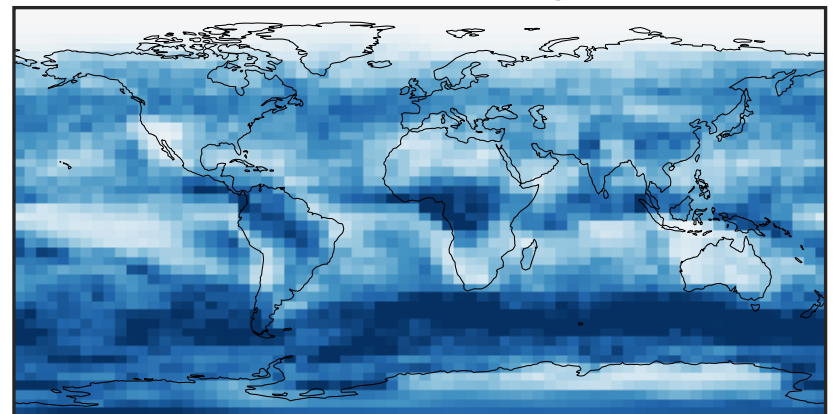
0.006 0.012 0.018
s-1

Difference
Dev - Ref, Dynamic Range



-0.0005 0.0000 0.0005
s-1

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



-0.0004 0.0000 0.0004
s-1

Ratio
Dev/Ref, Dynamic Range



0.997713 0.998856 1.000000 1.001146 1.002292
unitless

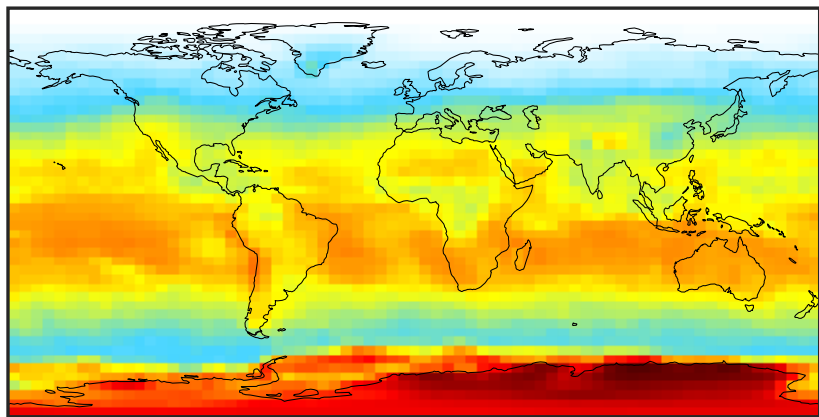
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

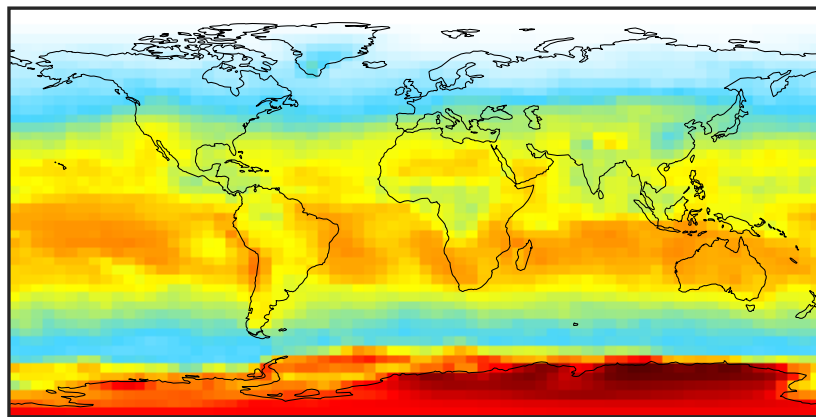
Jval_BrCl (Oct2019)

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



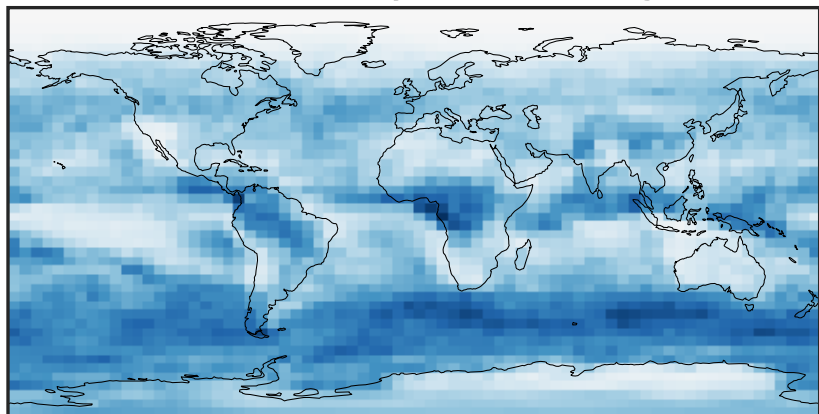
0.002 0.004 0.006
s-1

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



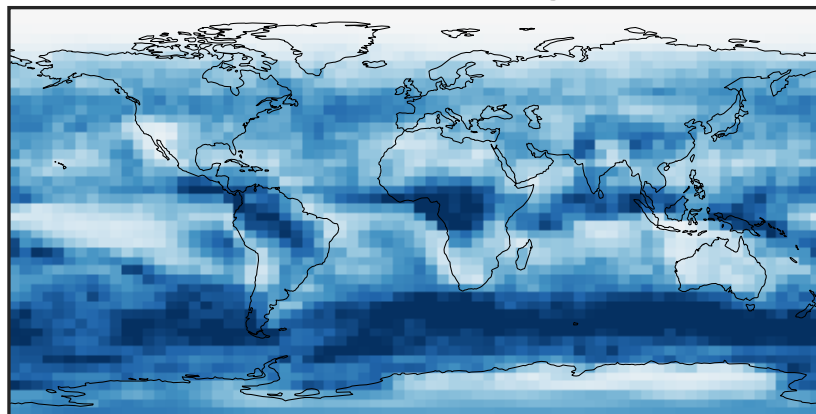
0.002 0.004 0.006
s-1

Difference
Dev - Ref, Dynamic Range



-0.00015 0.00000 0.00015
s-1

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



-0.0001 0.0000 0.0001
s-1

Ratio
Dev/Ref, Dynamic Range



0.997817 0.998908 1.000000 1.001094 1.002188
unitless

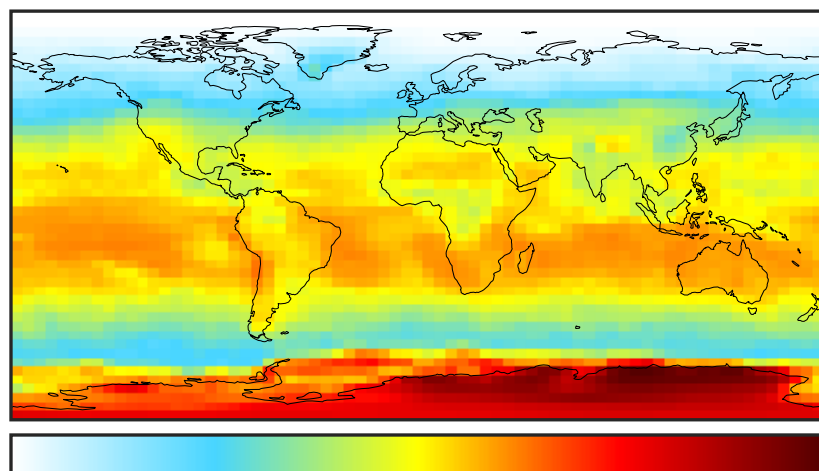
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

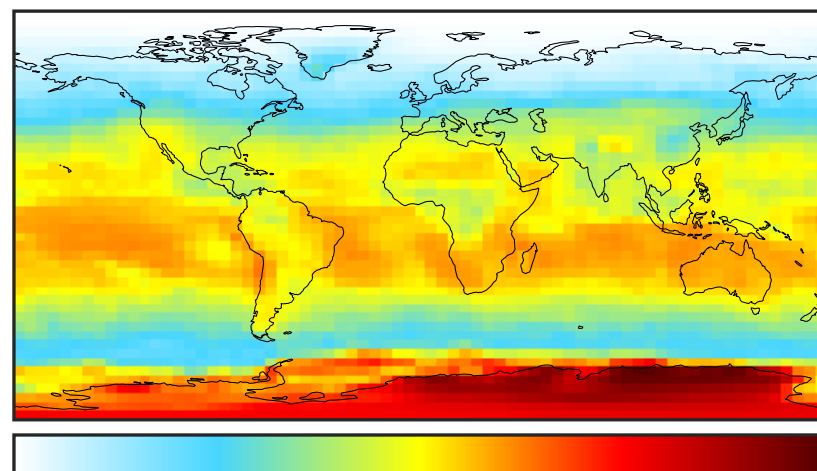
Jval_BrNO2 (Oct2019)

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



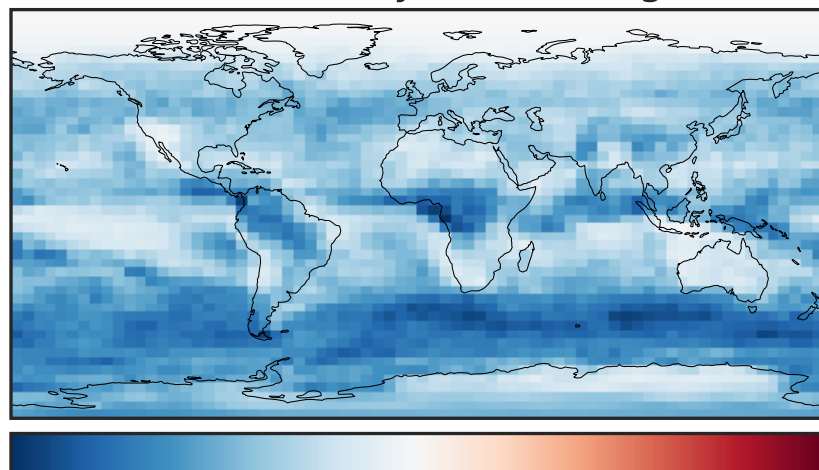
0.0015 0.0030
s-1

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



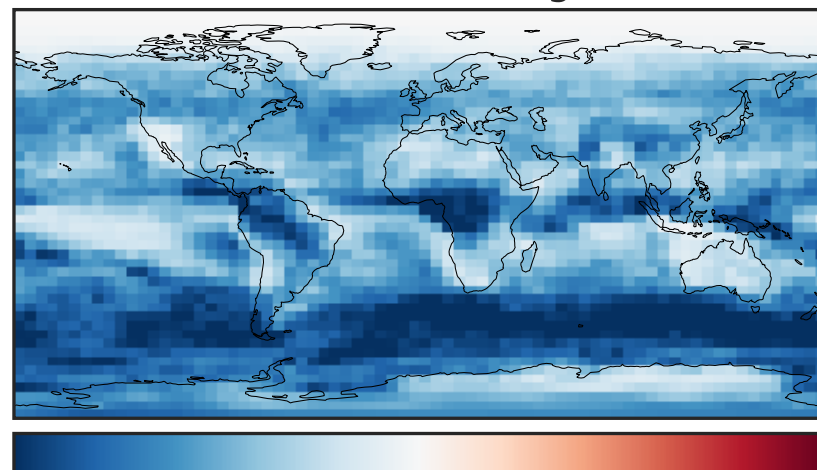
0.0015 0.0030
s-1

Difference
Dev - Ref, Dynamic Range



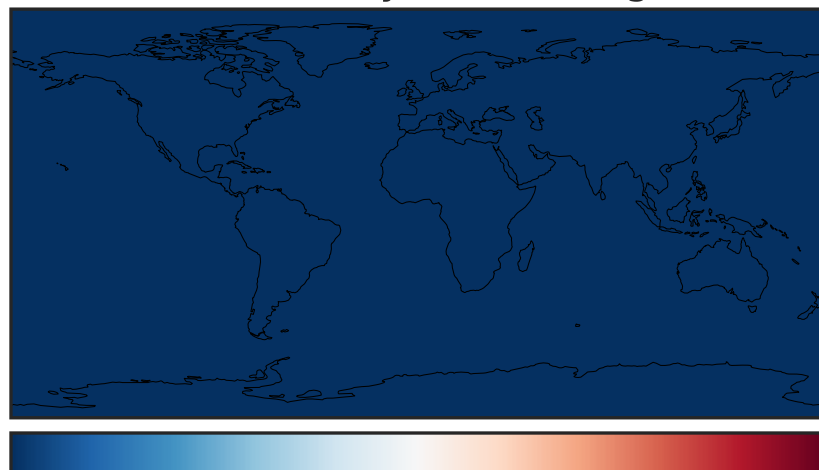
-8 0 8
s-1 1e-5

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



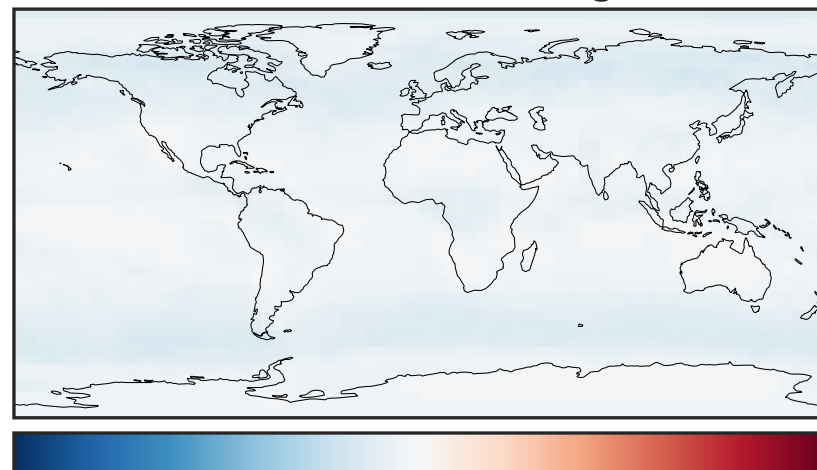
-6 0 6
s-1 1e-5

Ratio
Dev/Ref, Dynamic Range



0.998708 0.999354 1.000000 1.000647 1.001294
unitless

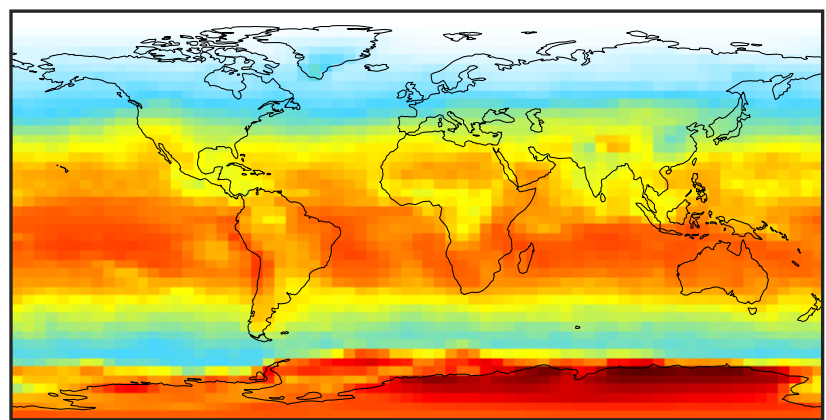
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

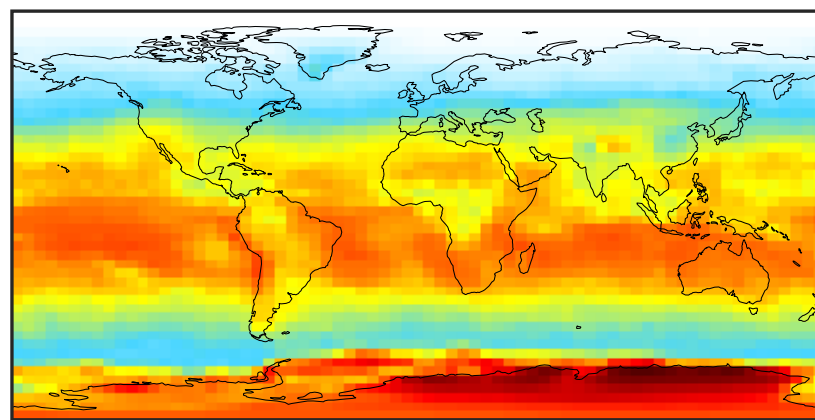
Jval_BrNO3 (Oct2019)

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



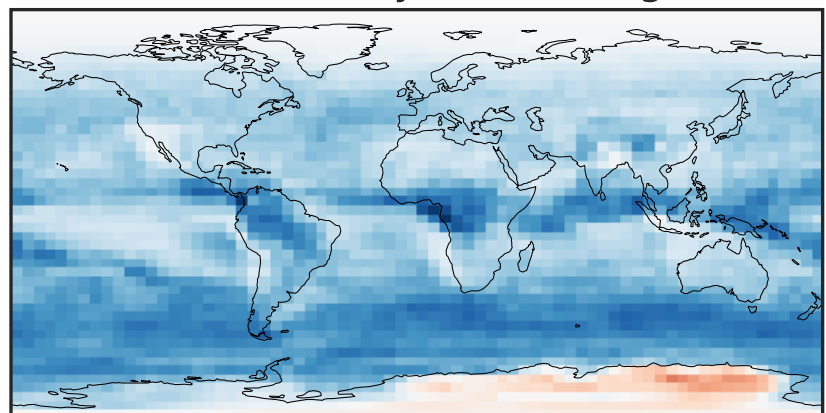
0.00025 0.00050 0.00075
s-1

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



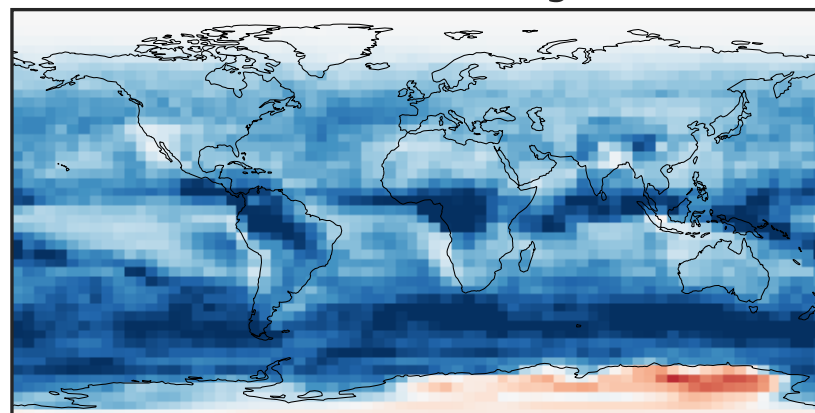
0.00025 0.00050 0.00075
s-1

Difference
Dev - Ref, Dynamic Range



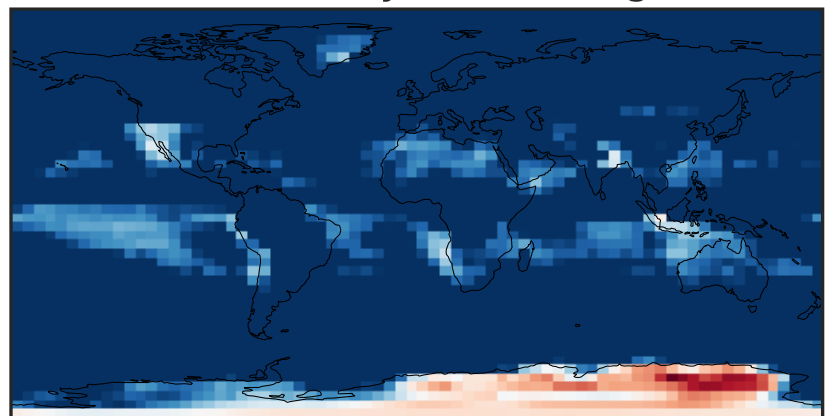
-2 0 2
s-1 1e-5

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



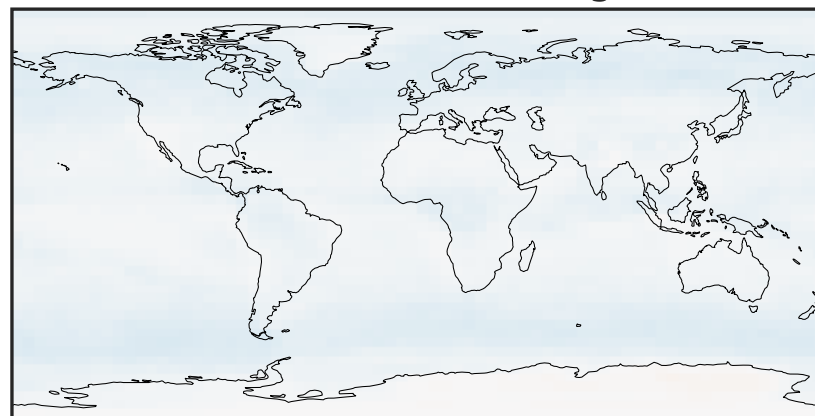
-1.5 0.0 1.5
s-1 1e-5

Ratio
Dev/Ref, Dynamic Range



0.97769 0.98885 1.00000 1.01141 1.02282
unitless

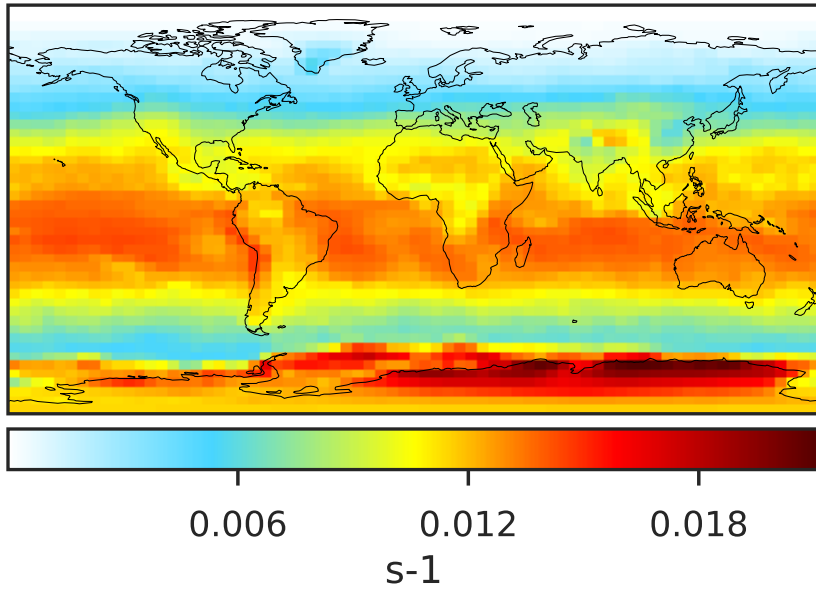
Ratio
Dev/Ref, Fixed Range



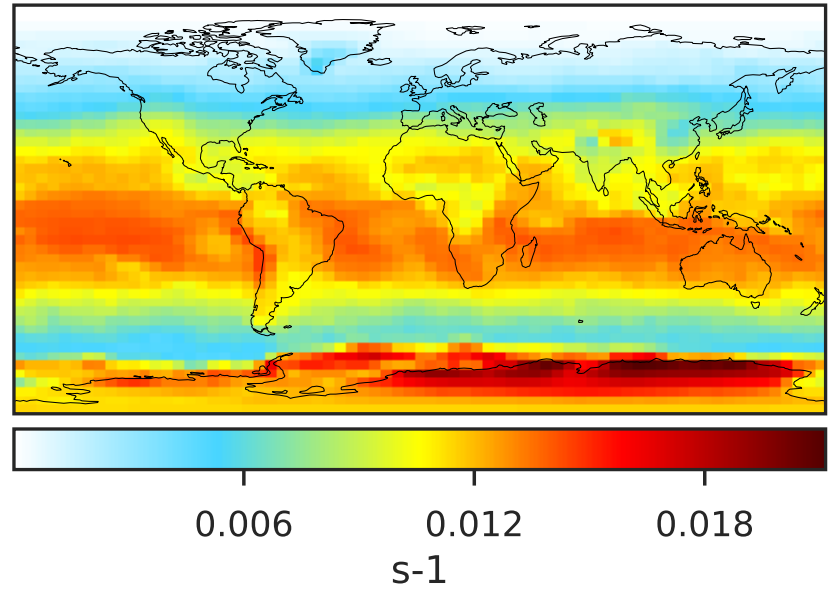
0.50 0.75 1.00 1.50 2.00
unitless

Jval_BrO (Oct2019)

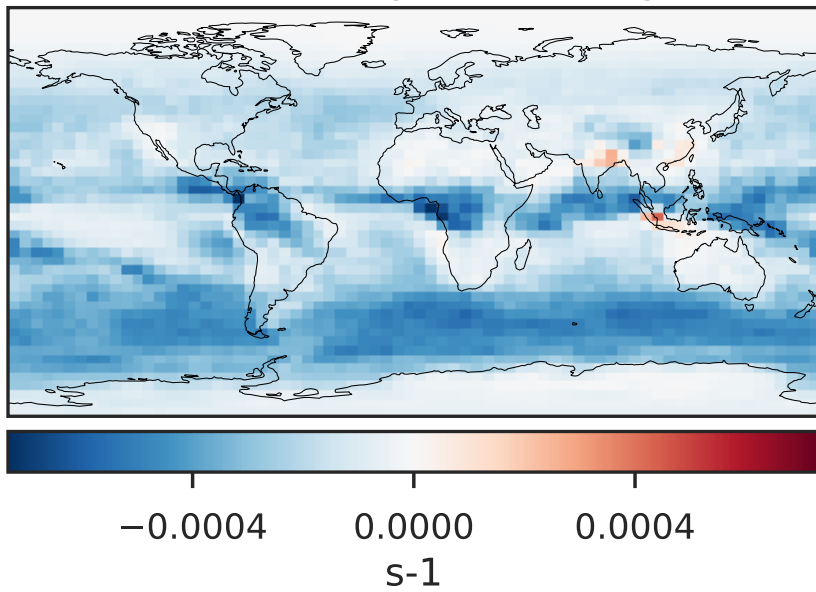
14.2.0-rc.2 (Ref)
4.0x5.0



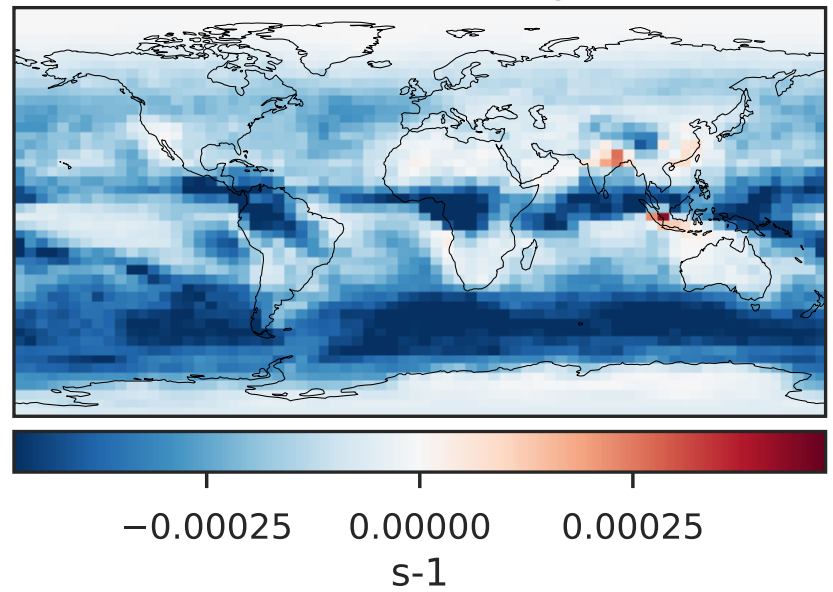
14.3.0-rc.0 (Dev)
4.0x5.0



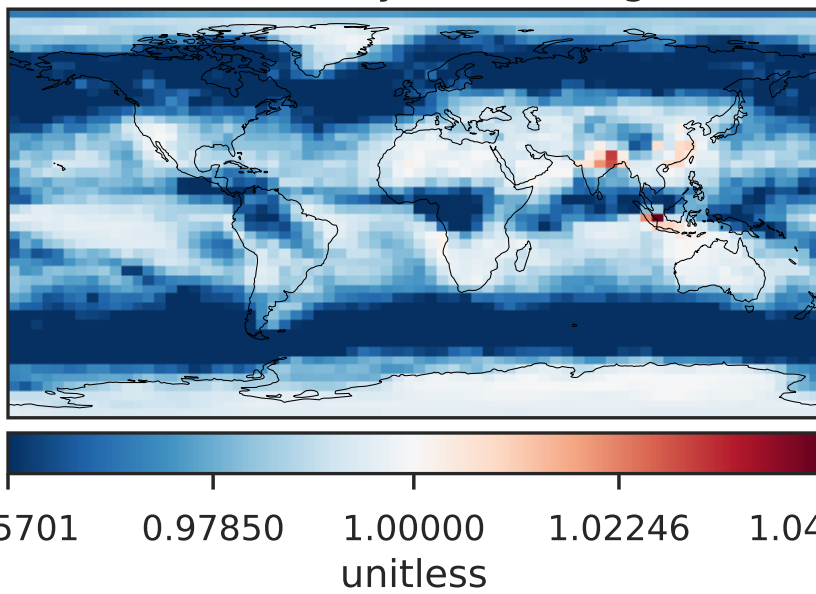
Difference
Dev - Ref, Dynamic Range



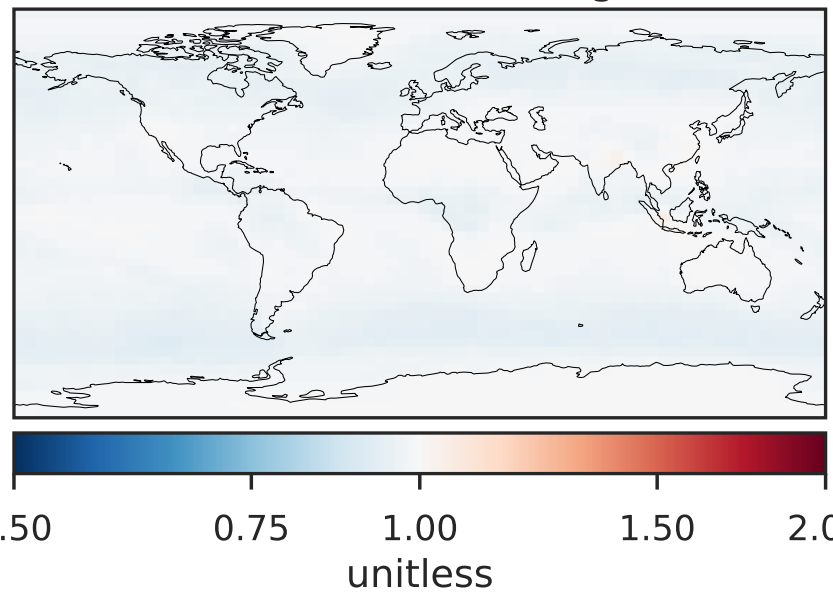
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

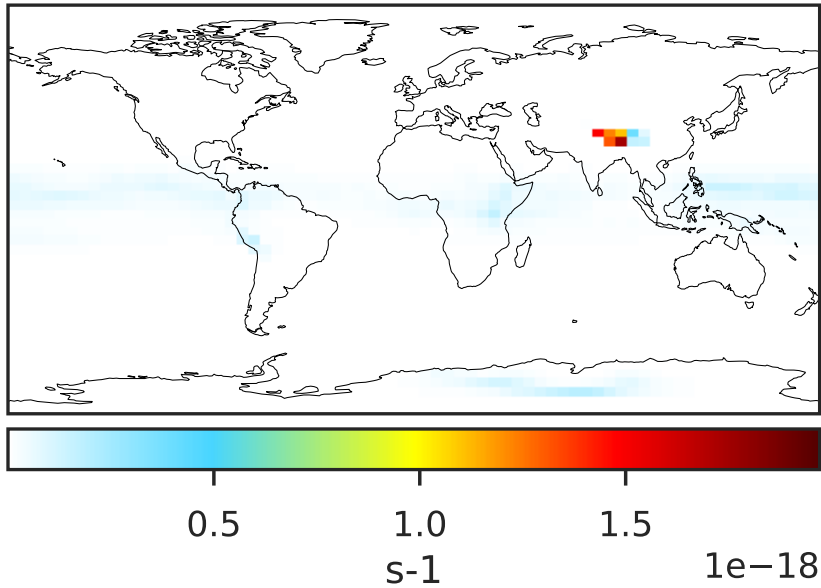


Ratio
Dev/Ref, Fixed Range

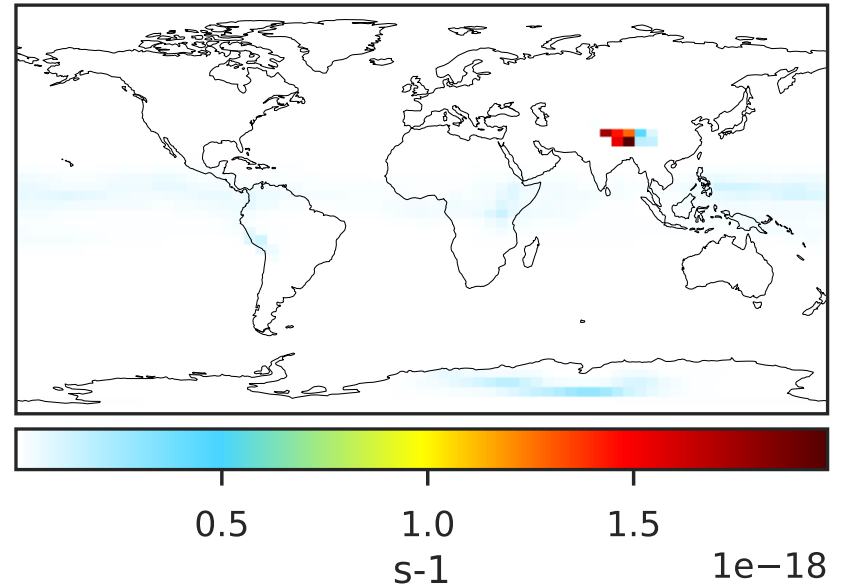


Jval_CCI4 (Oct2019)

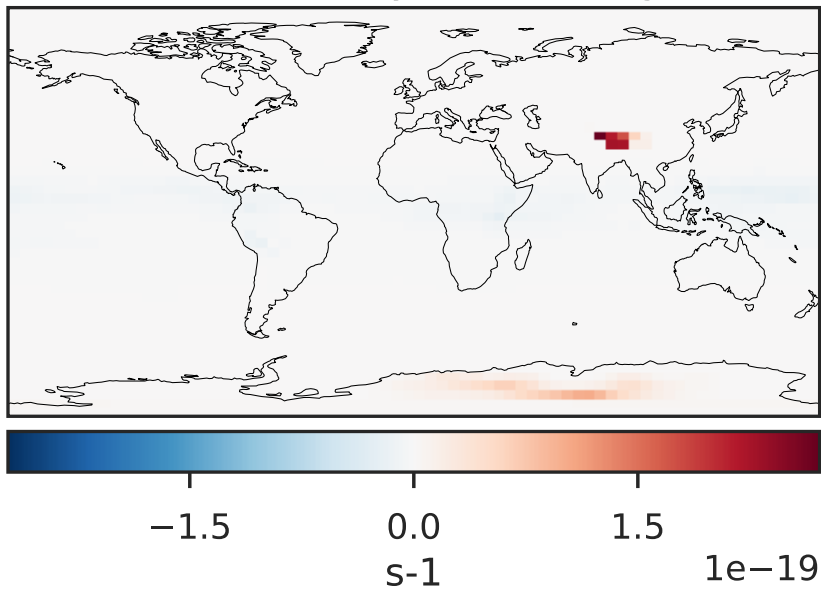
14.2.0-rc.2 (Ref)
4.0x5.0



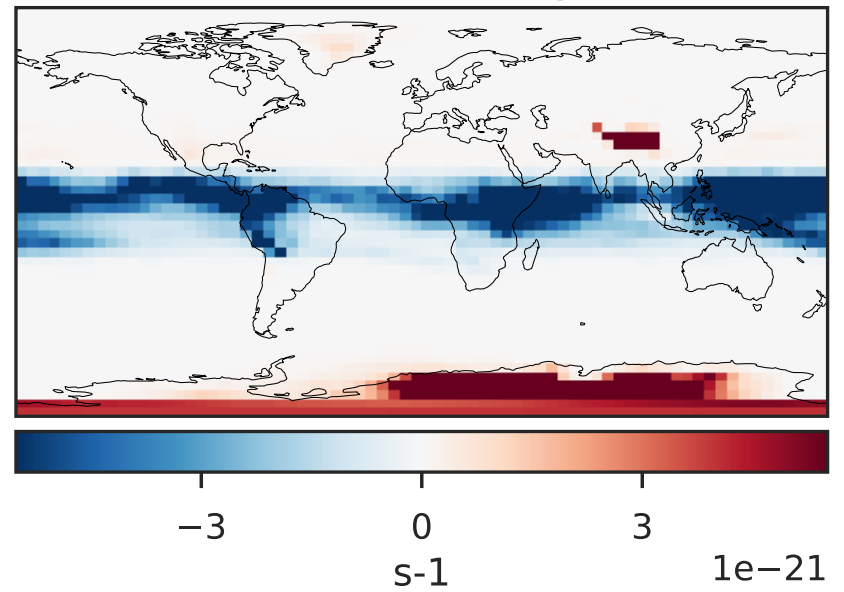
14.3.0-rc.0 (Dev)
4.0x5.0



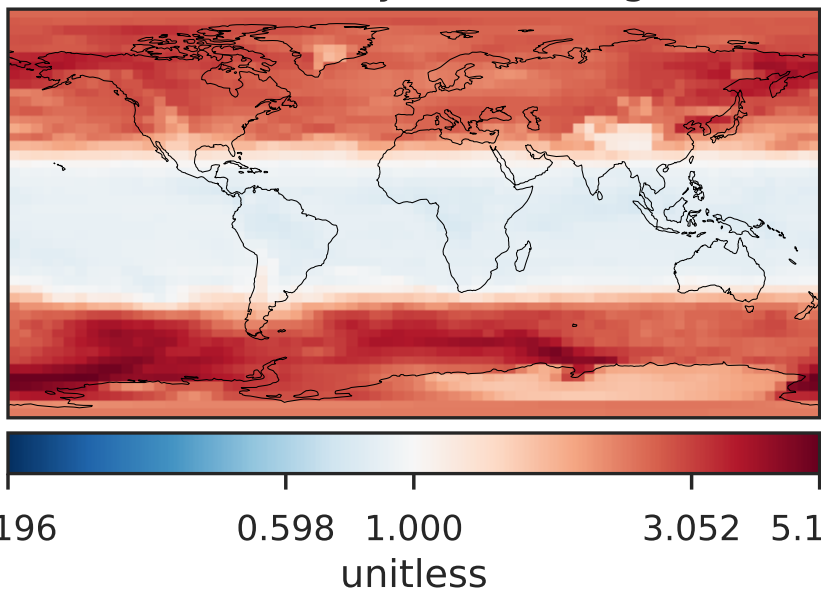
Difference
Dev - Ref, Dynamic Range



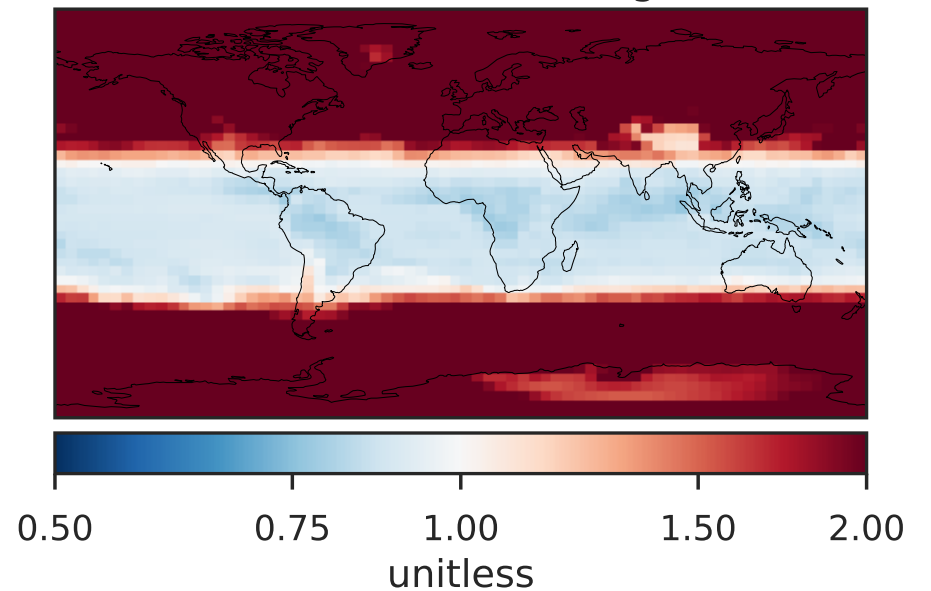
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

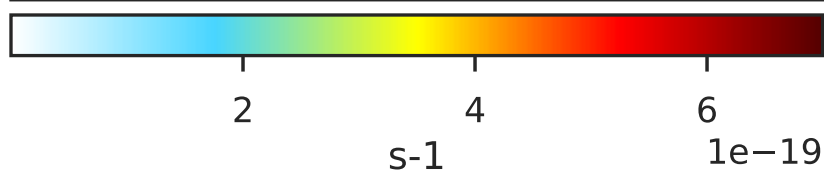
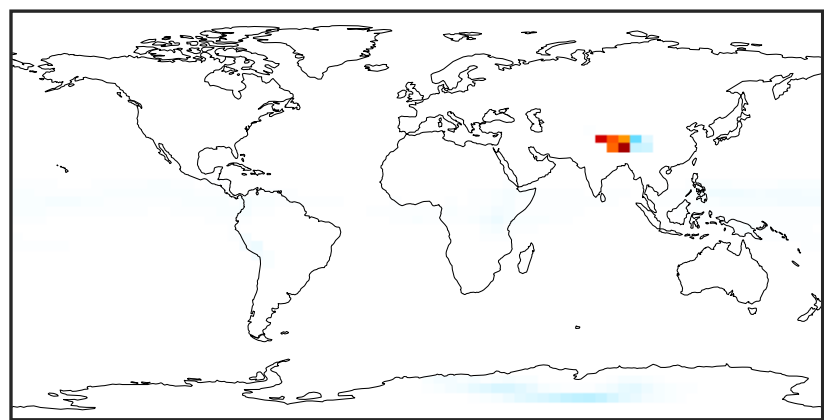


Ratio
Dev/Ref, Fixed Range

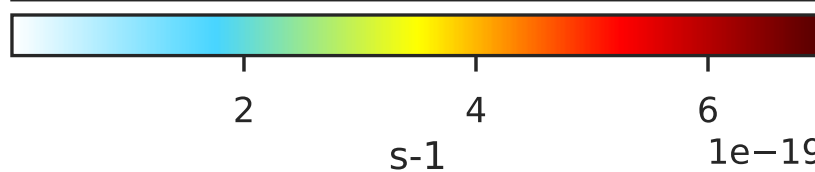
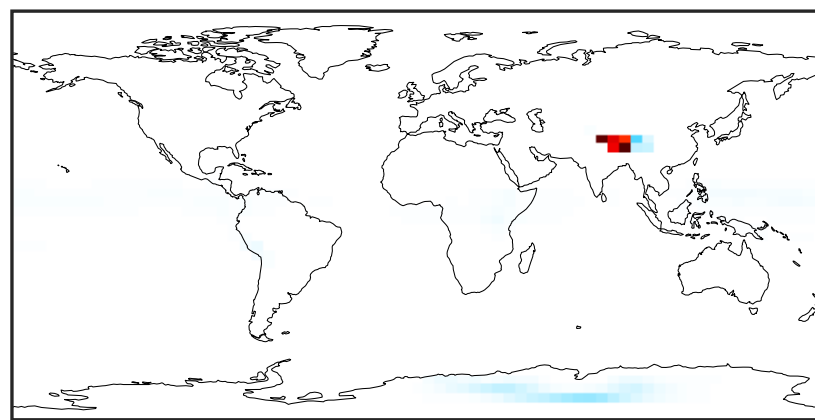


Jval_CFC11 (Oct2019)

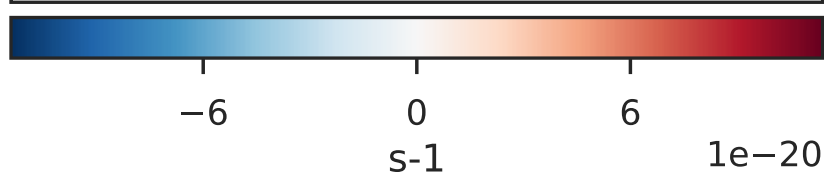
14.2.0-rc.2 (Ref)
4.0x5.0



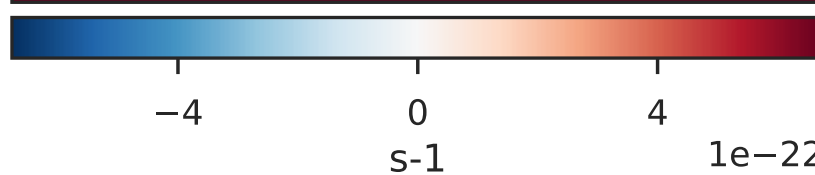
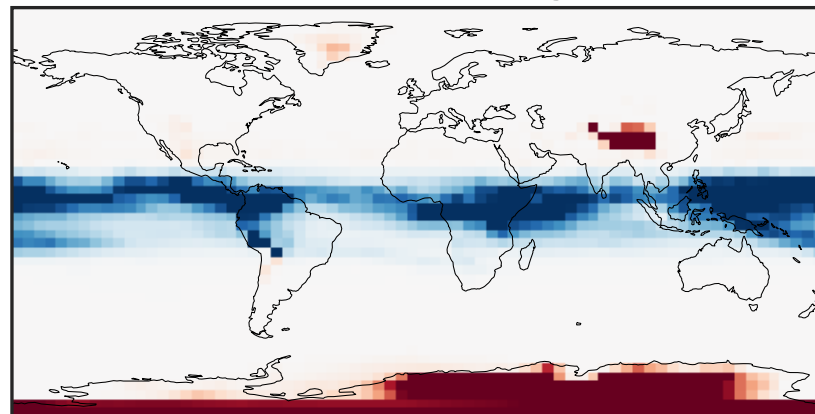
14.3.0-rc.0 (Dev)
4.0x5.0



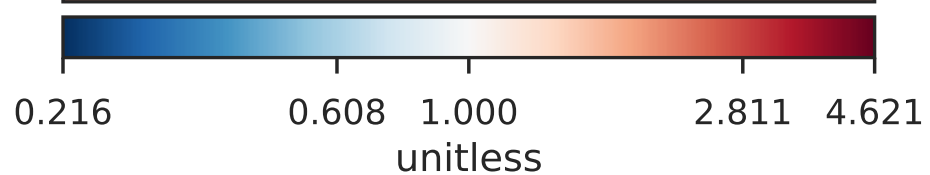
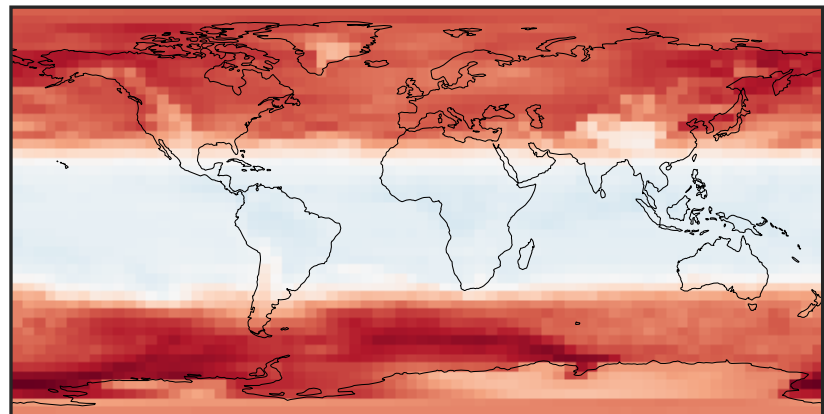
Difference
Dev - Ref, Dynamic Range



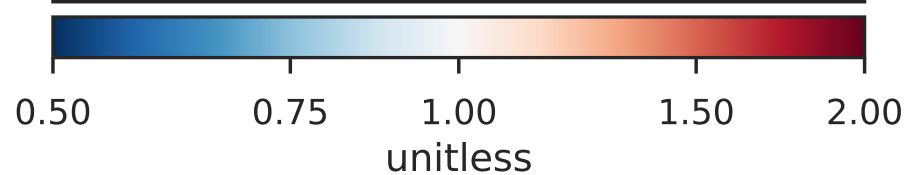
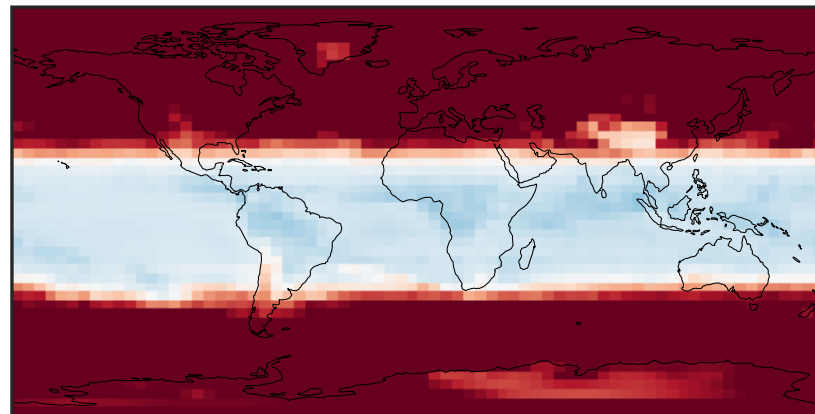
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

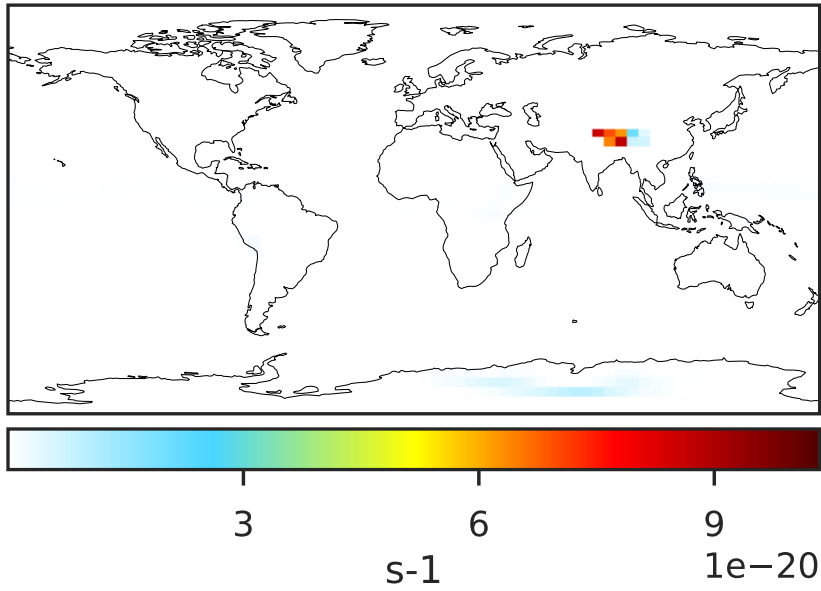


Ratio
Dev/Ref, Fixed Range

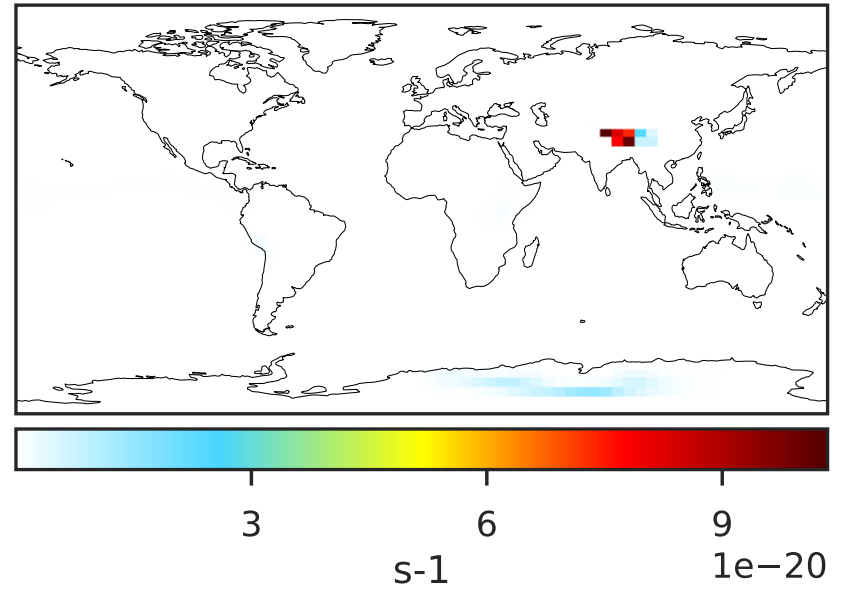


Jval_CFC113 (Oct2019)

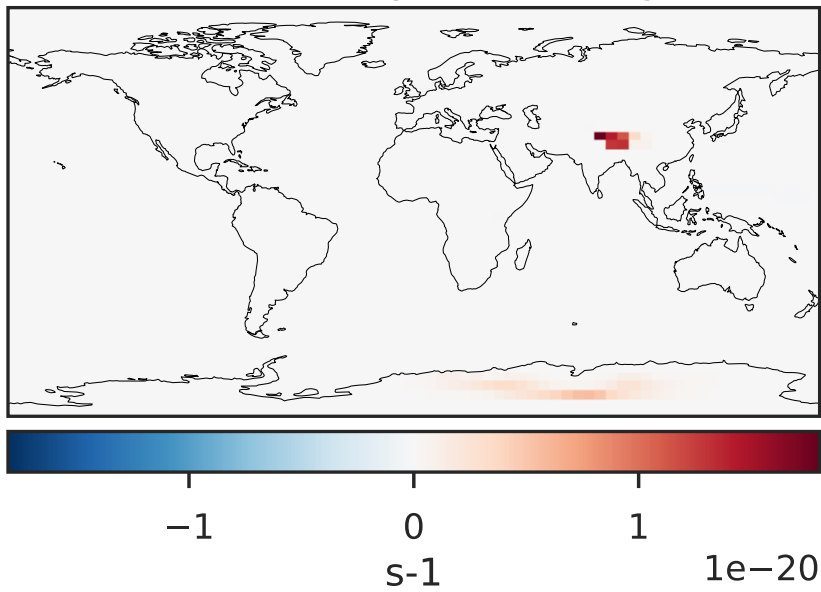
14.2.0-rc.2 (Ref)
4.0x5.0



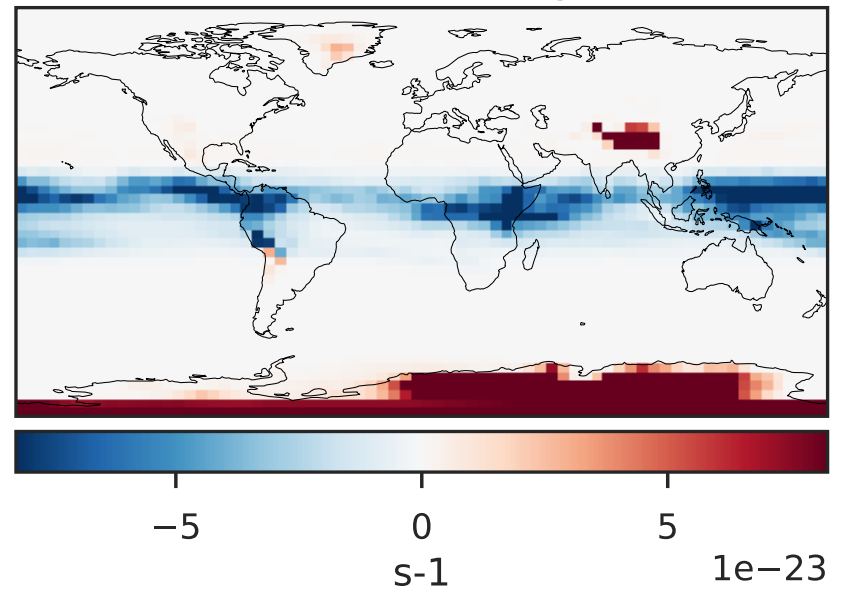
14.3.0-rc.0 (Dev)
4.0x5.0



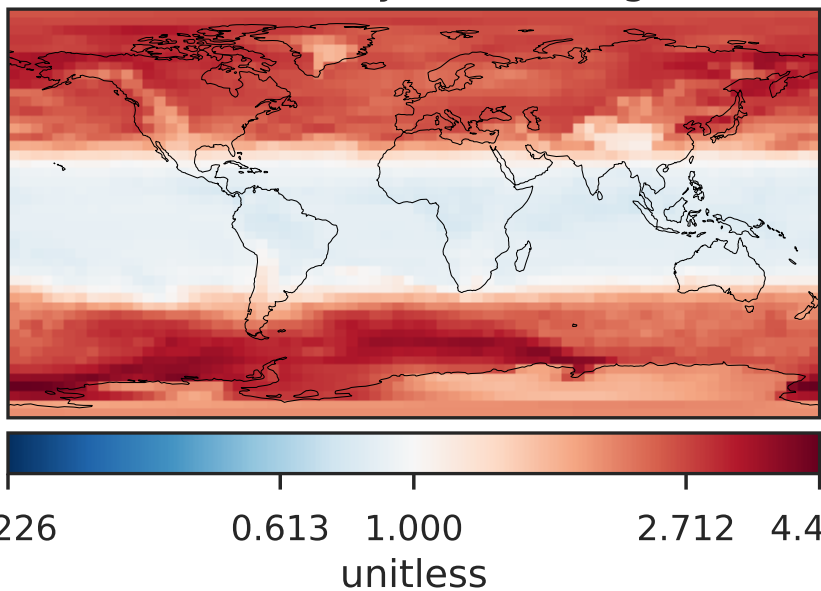
Difference
Dev - Ref, Dynamic Range



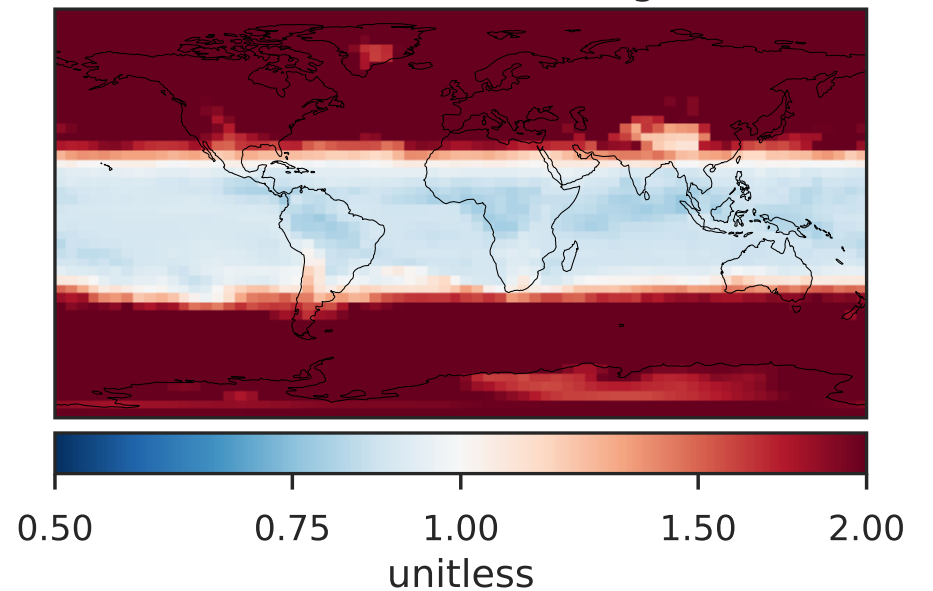
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

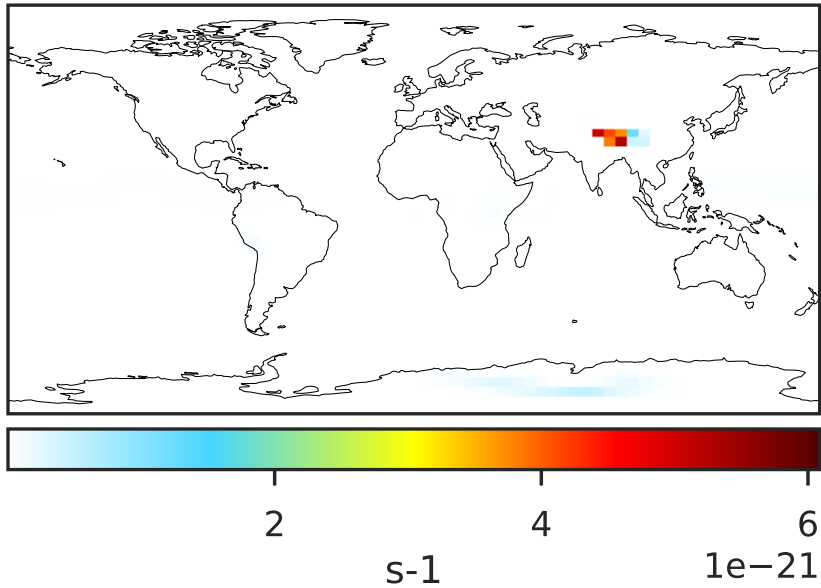


Ratio
Dev/Ref, Fixed Range

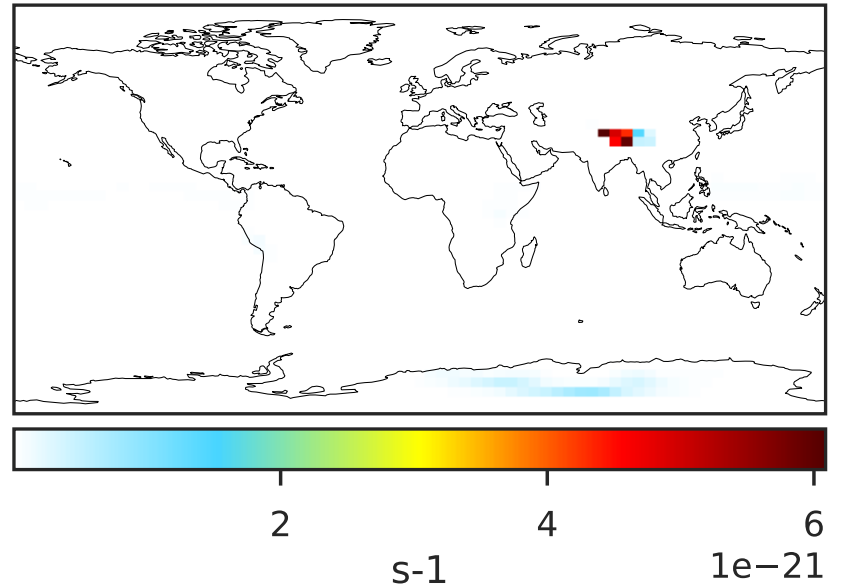


Jval_CFC114 (Oct2019)

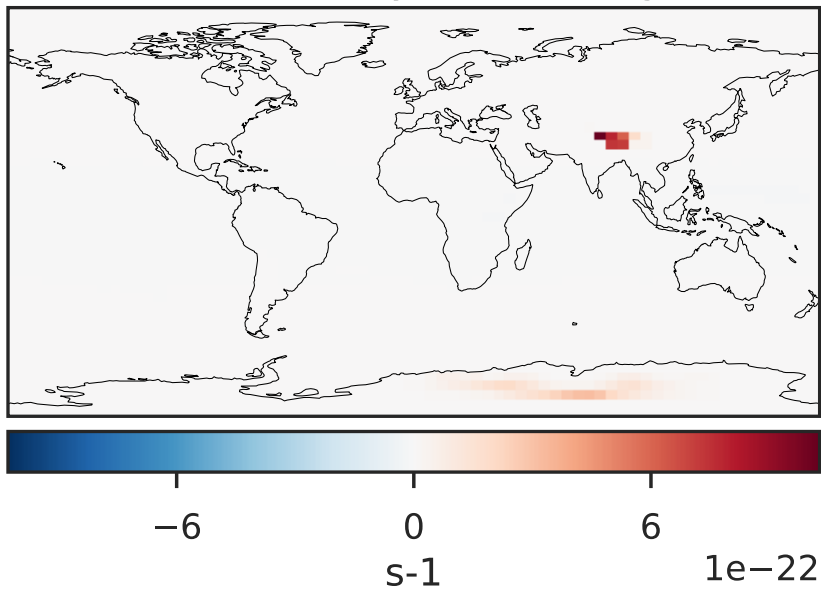
14.2.0-rc.2 (Ref)
4.0x5.0



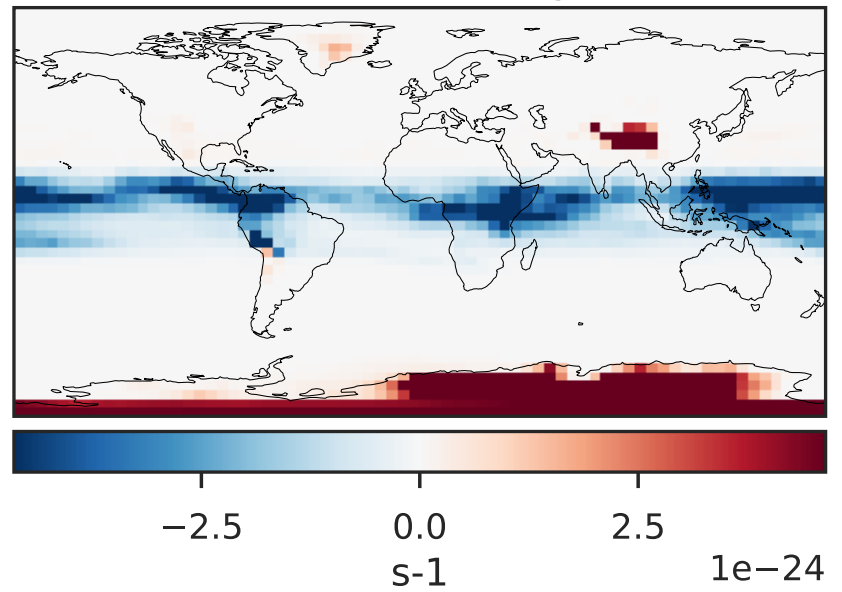
14.3.0-rc.0 (Dev)
4.0x5.0



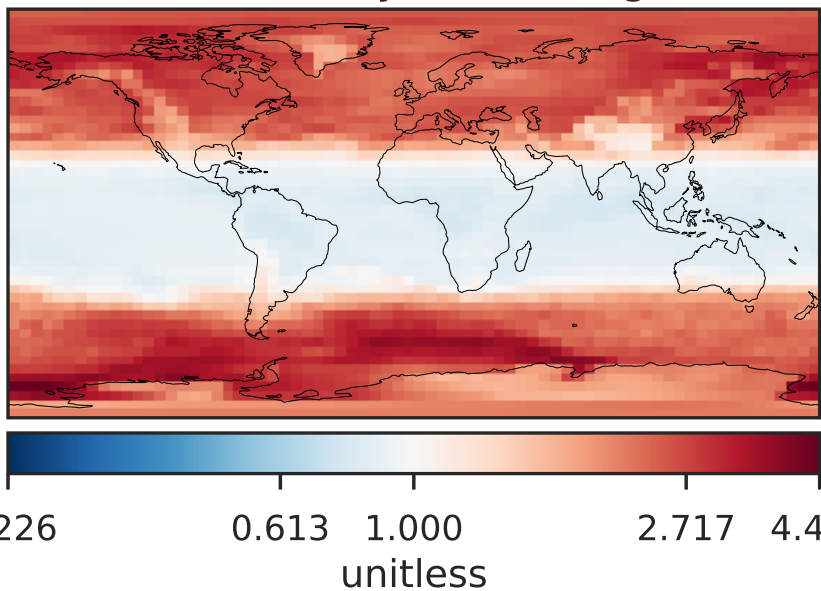
Difference
Dev - Ref, Dynamic Range



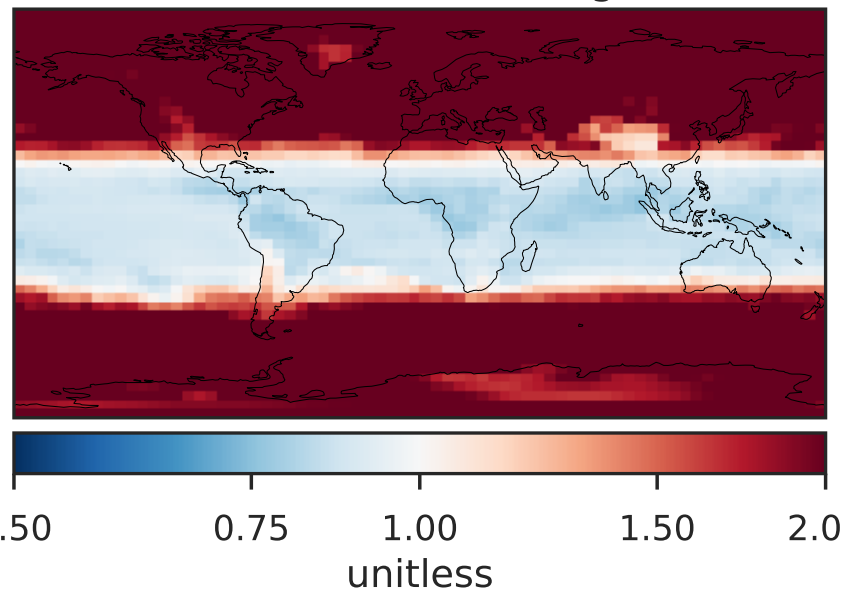
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

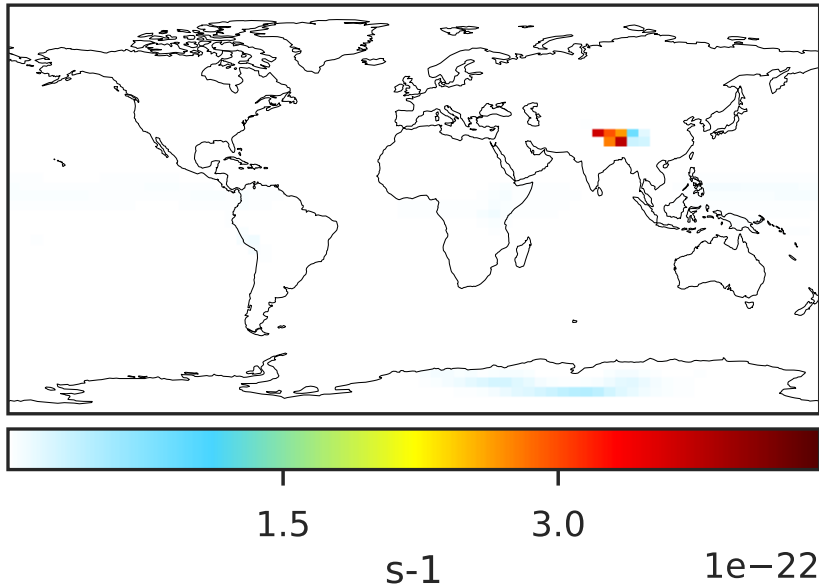


Ratio
Dev/Ref, Fixed Range

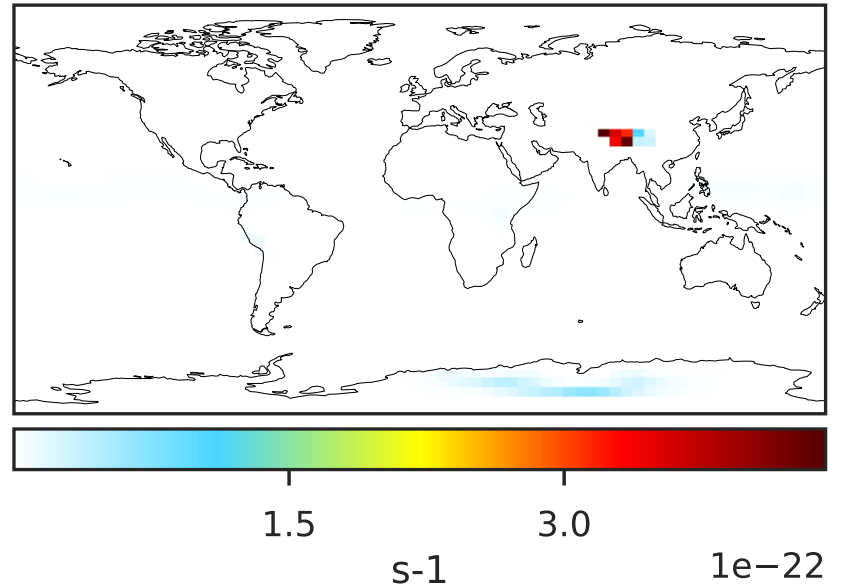


Jval_CFC115 (Oct2019)

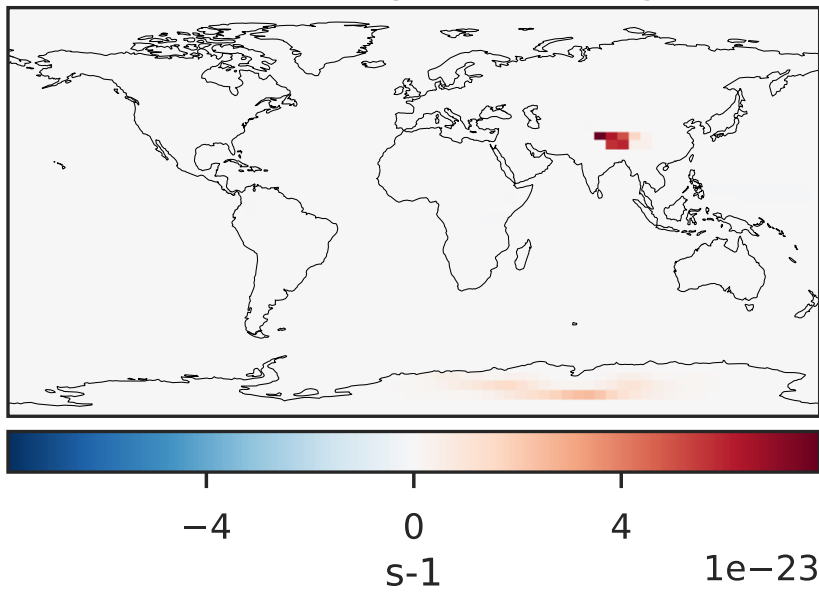
14.2.0-rc.2 (Ref)
4.0x5.0



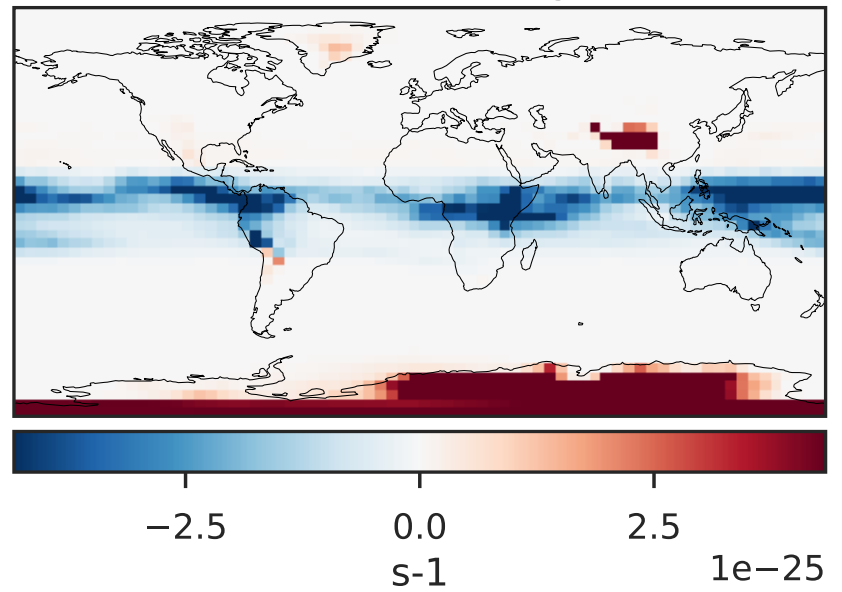
14.3.0-rc.0 (Dev)
4.0x5.0



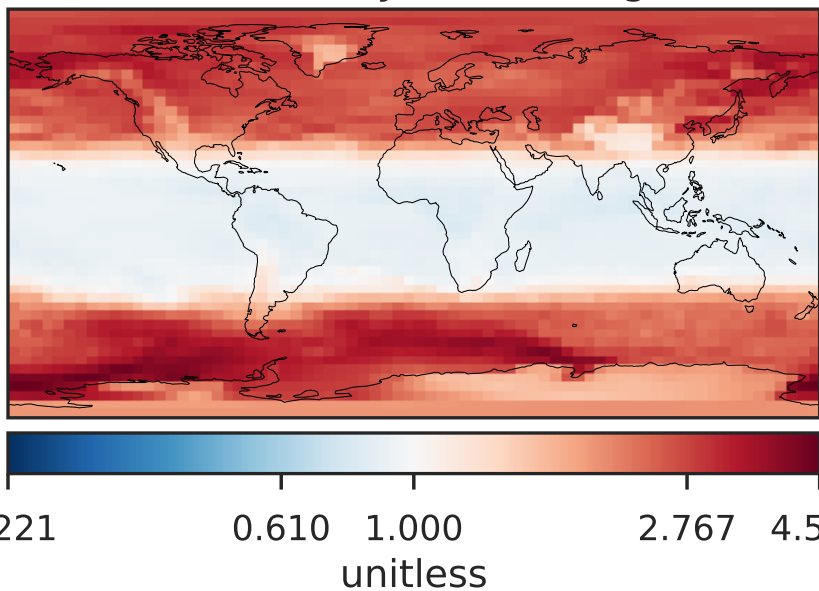
Difference
Dev - Ref, Dynamic Range



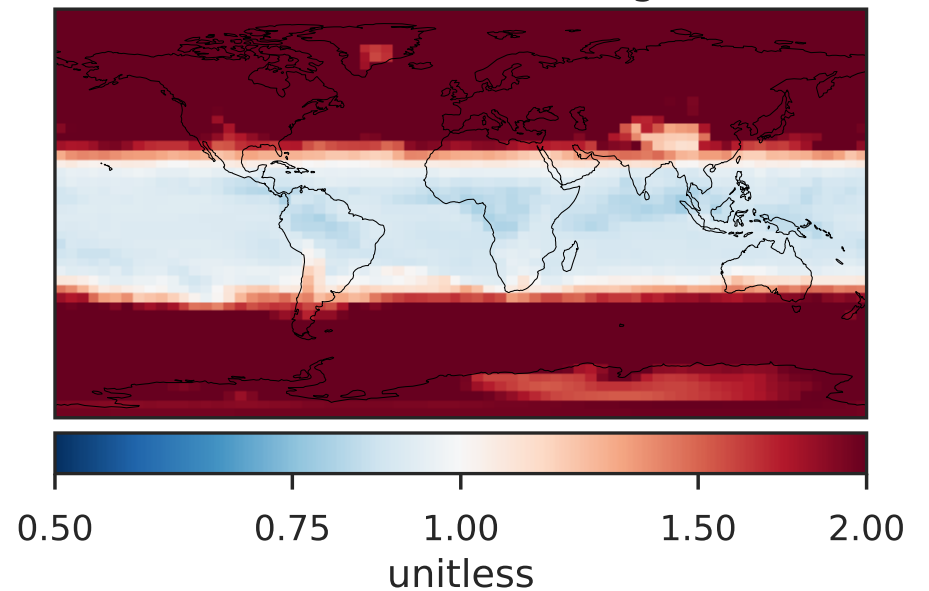
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

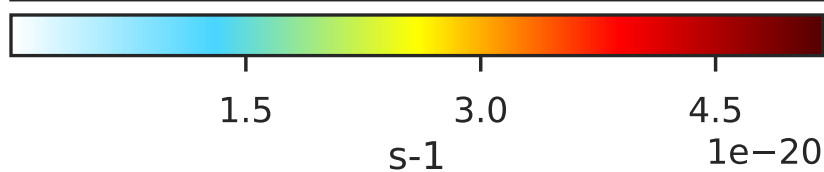
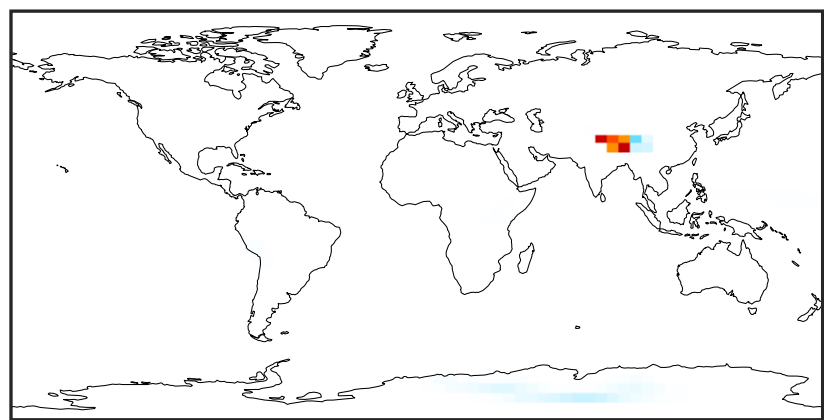


Ratio
Dev/Ref, Fixed Range

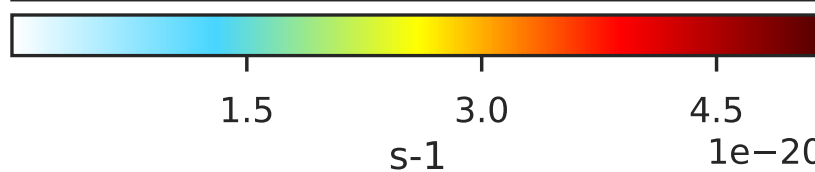
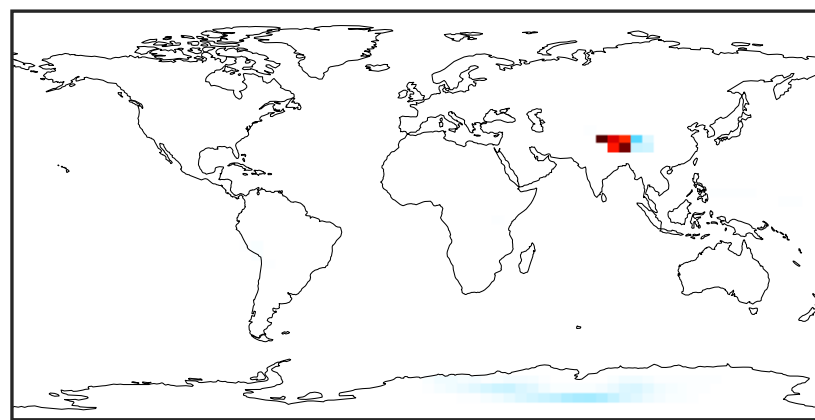


Jval_CFC12 (Oct2019)

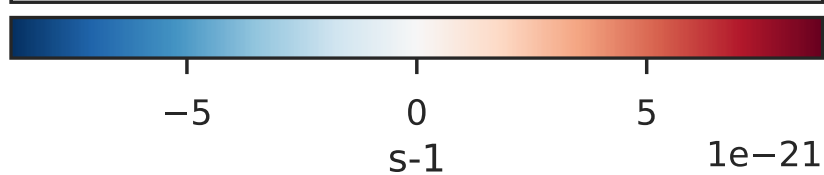
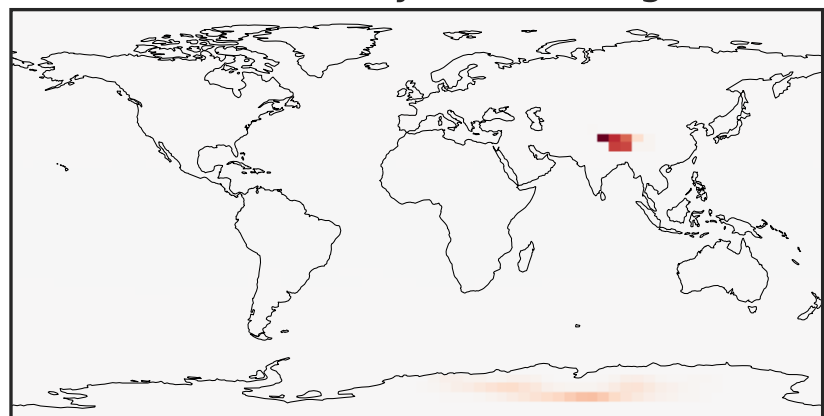
14.2.0-rc.2 (Ref)
4.0x5.0



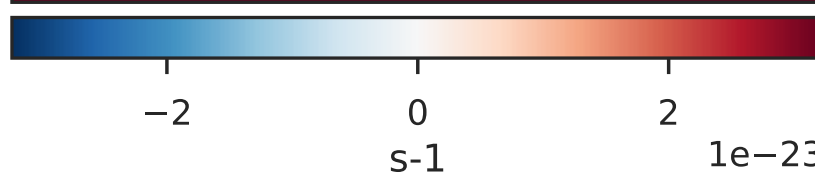
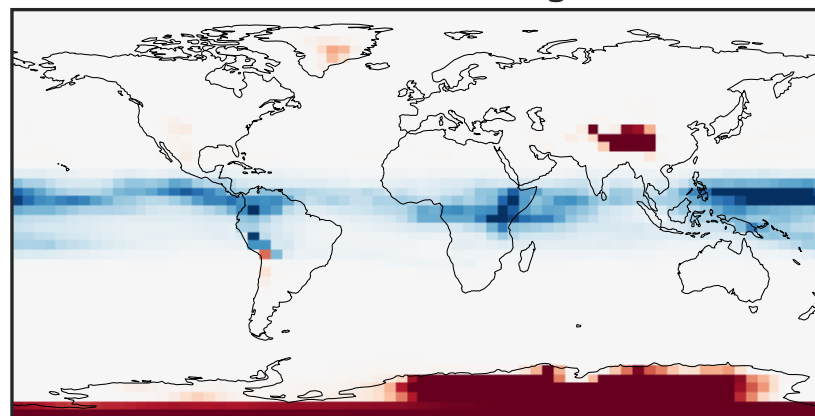
14.3.0-rc.0 (Dev)
4.0x5.0



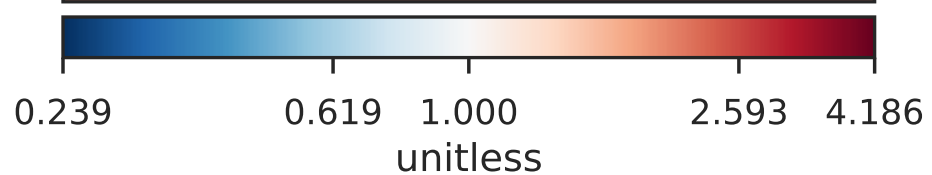
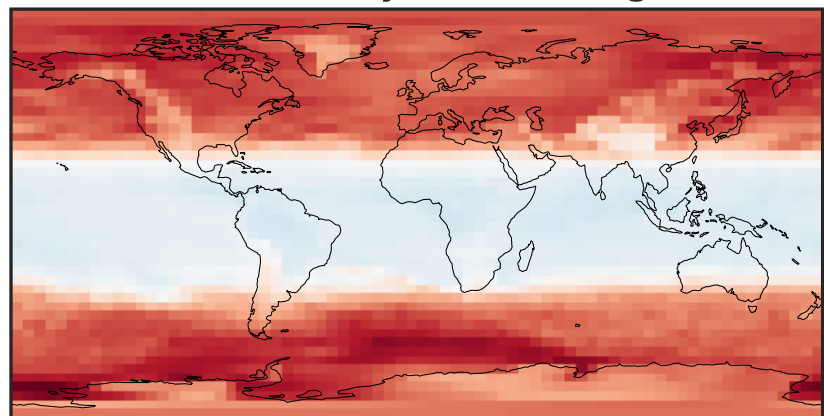
Difference
Dev - Ref, Dynamic Range



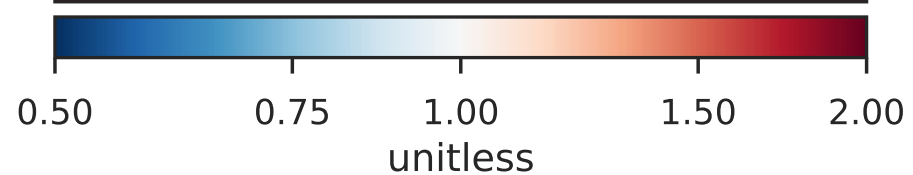
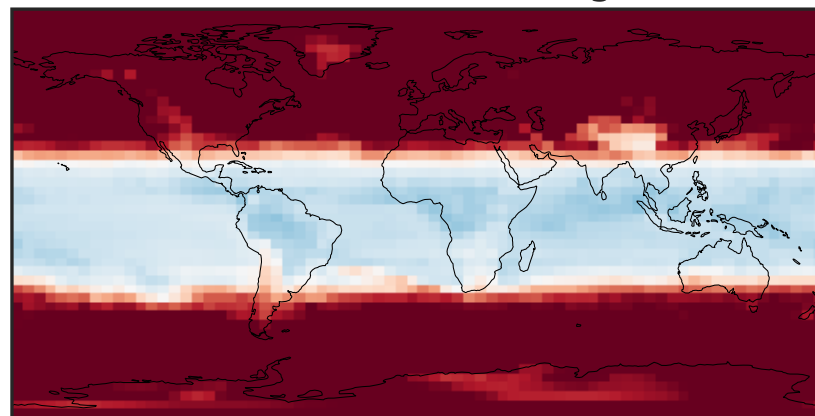
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

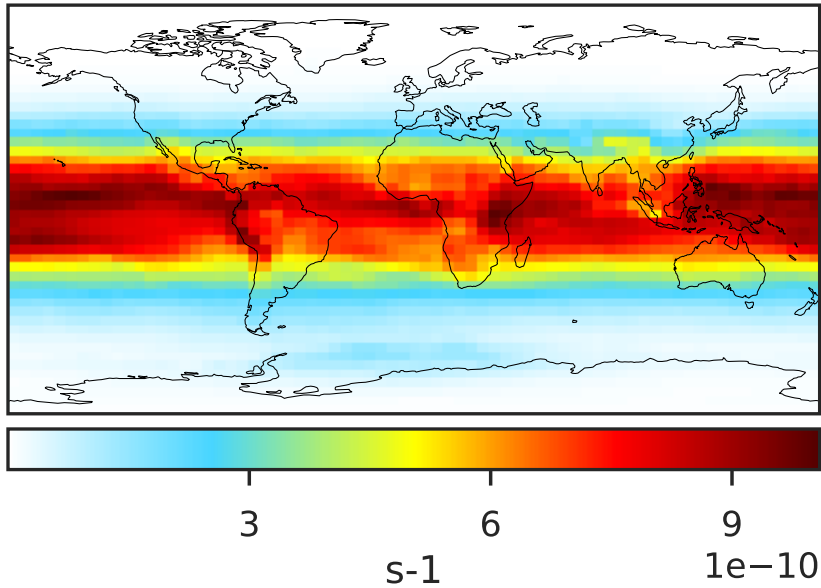


Ratio
Dev/Ref, Fixed Range

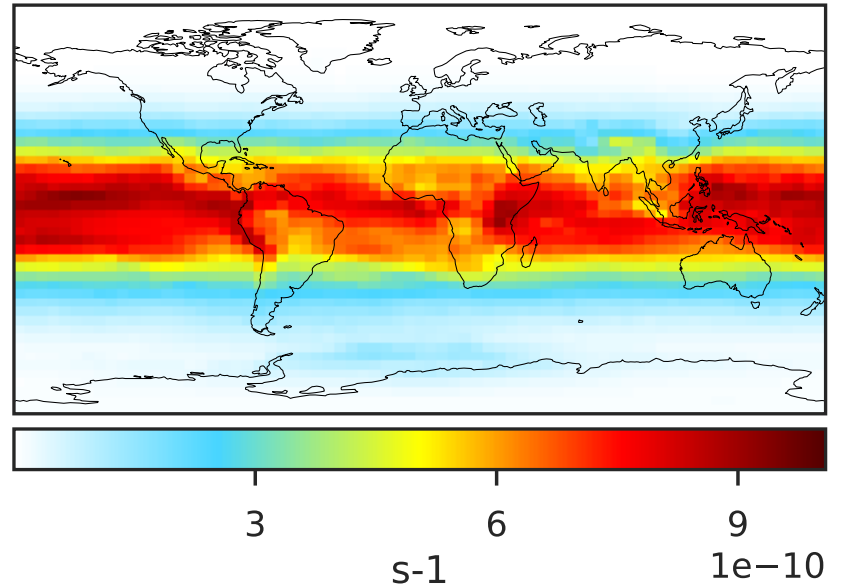


Jval_CH2Br2 (Oct2019)

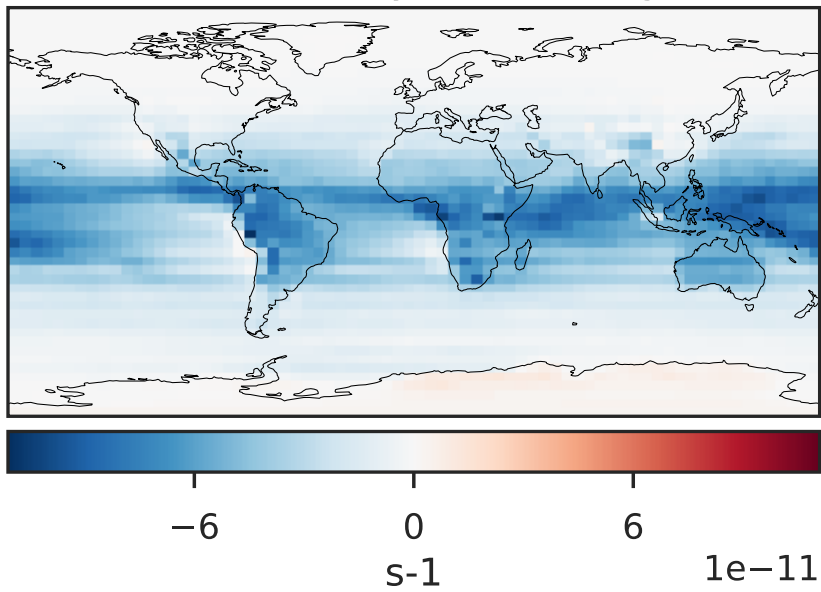
14.2.0-rc.2 (Ref)
4.0x5.0



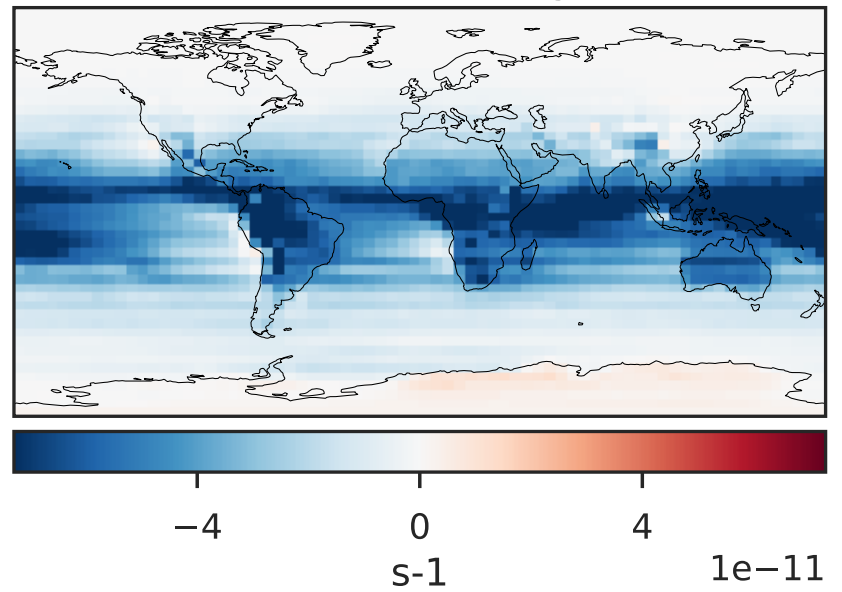
14.3.0-rc.0 (Dev)
4.0x5.0



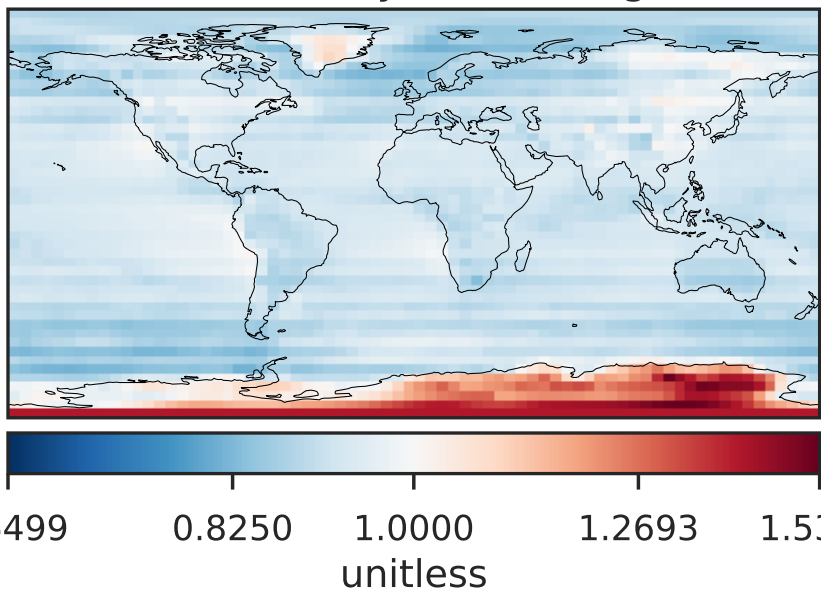
Difference
Dev - Ref, Dynamic Range



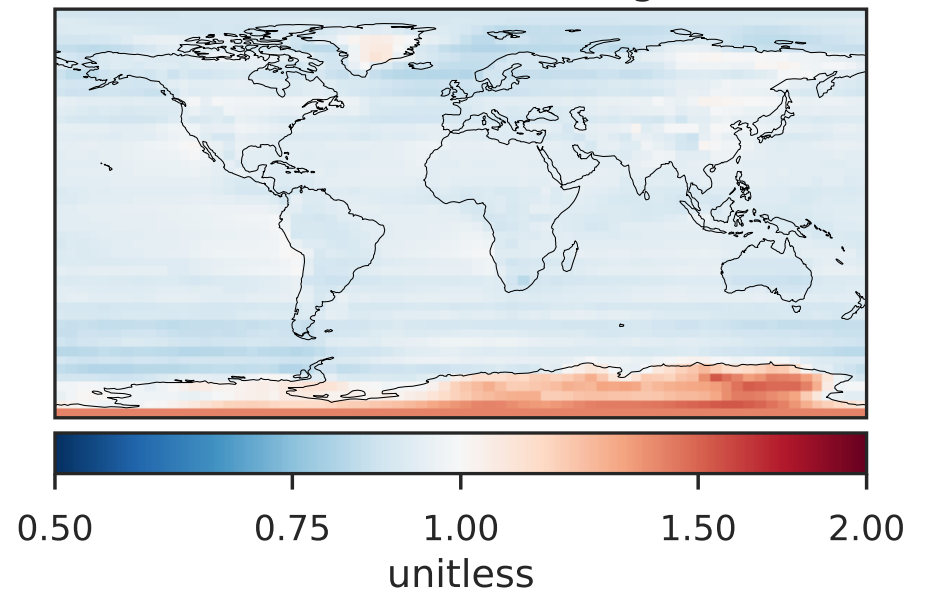
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

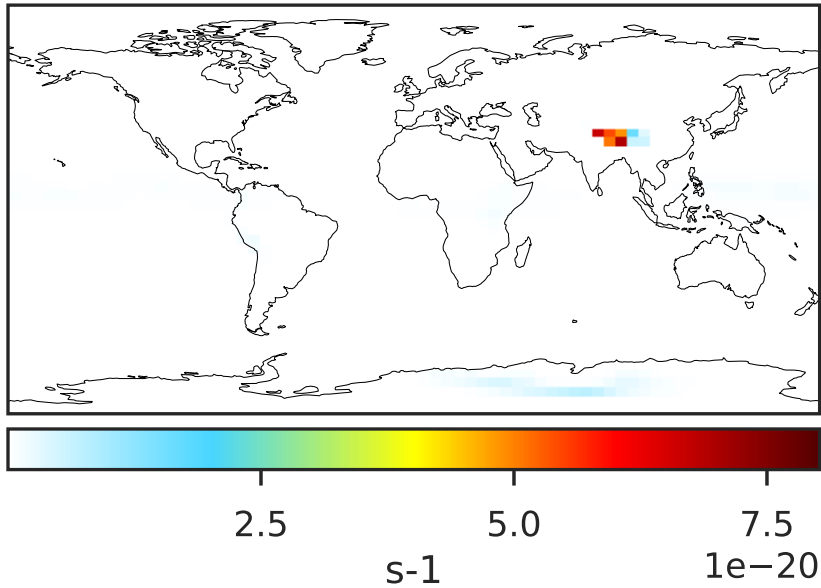


Ratio
Dev/Ref, Fixed Range

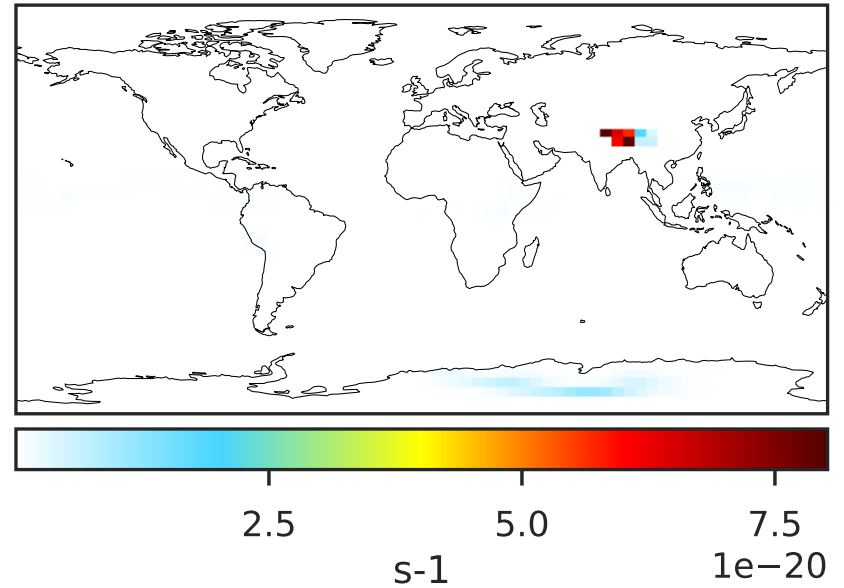


Jval_CH2Cl2 (Oct2019)

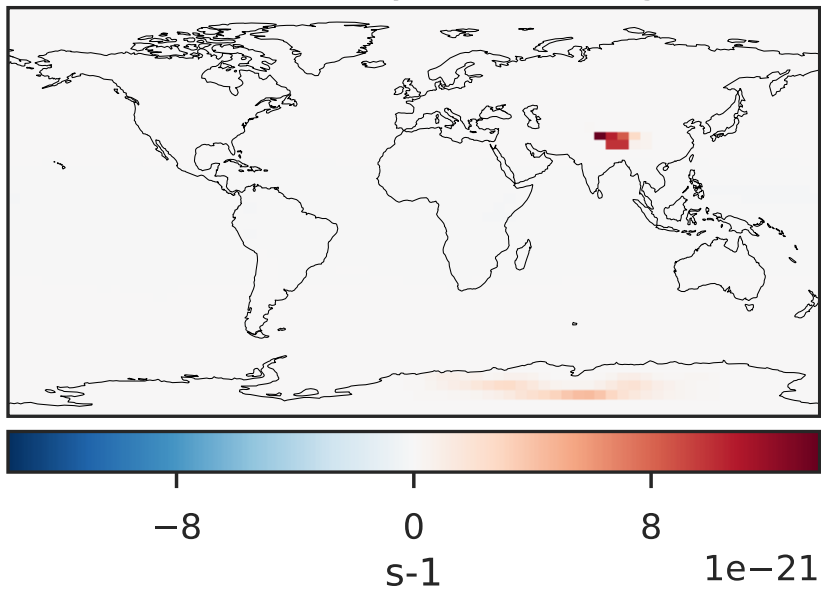
14.2.0-rc.2 (Ref)
4.0x5.0



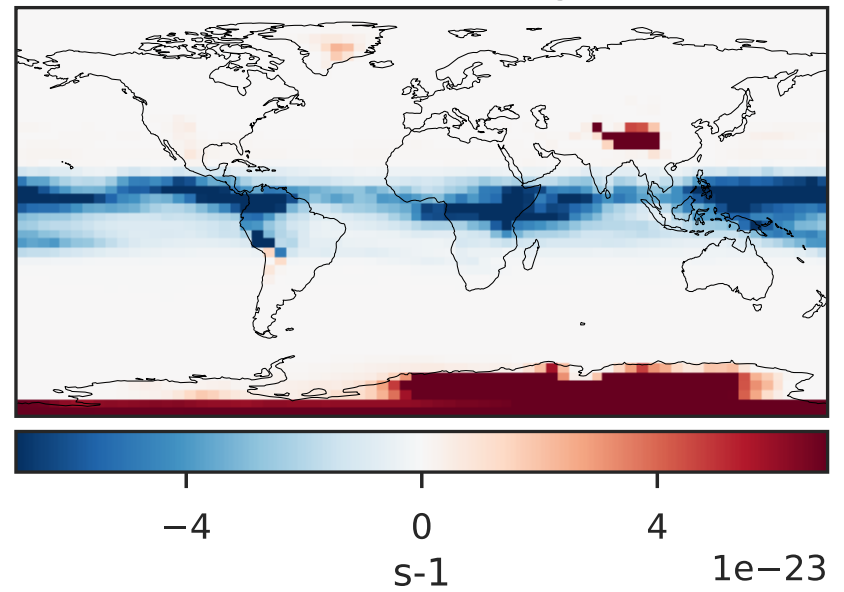
14.3.0-rc.0 (Dev)
4.0x5.0



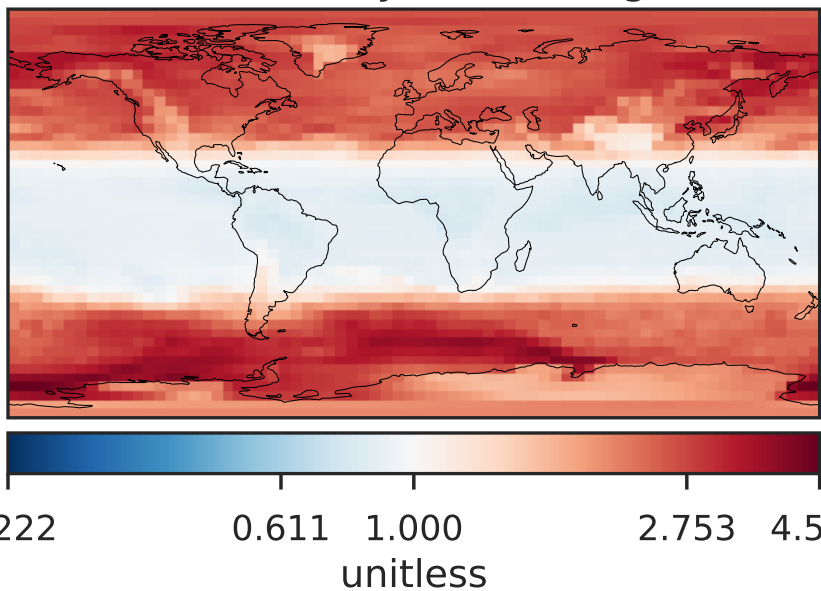
Difference
Dev - Ref, Dynamic Range



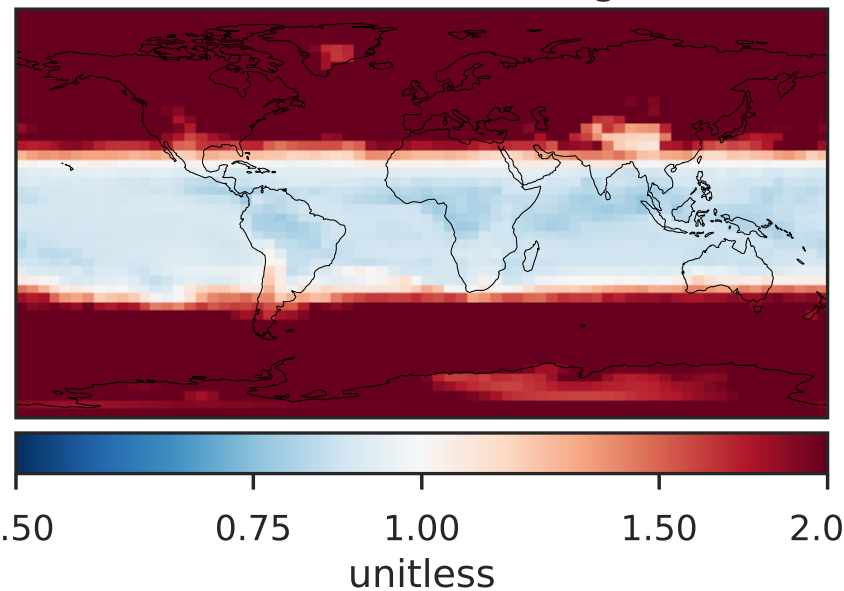
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range



Ratio
Dev/Ref, Fixed Range

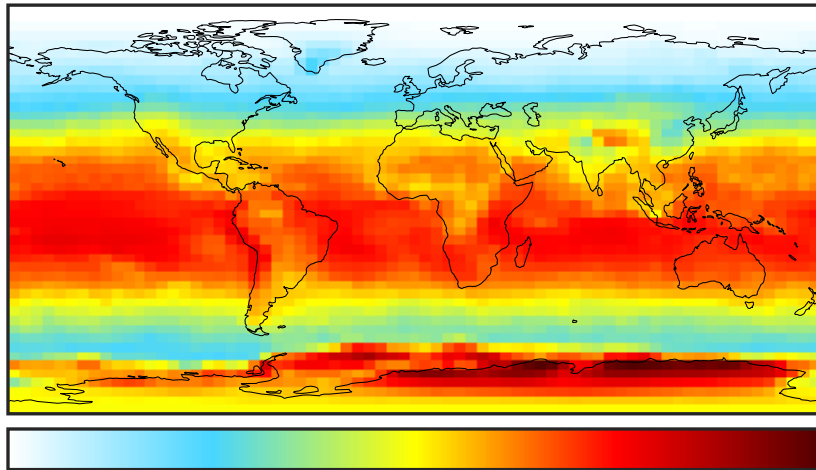


0.222 0.611 1.000 2.753 4.507
unitless

0.50 0.75 1.00 1.50 2.00
unitless

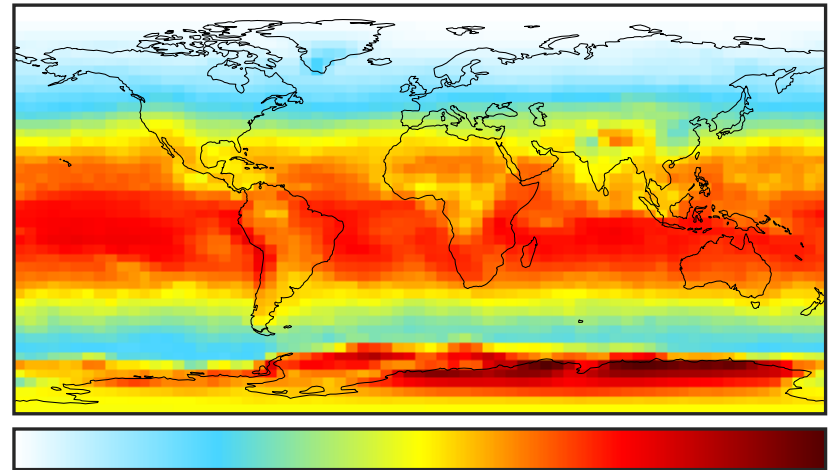
Jval_CH2I2 (Oct2019)

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



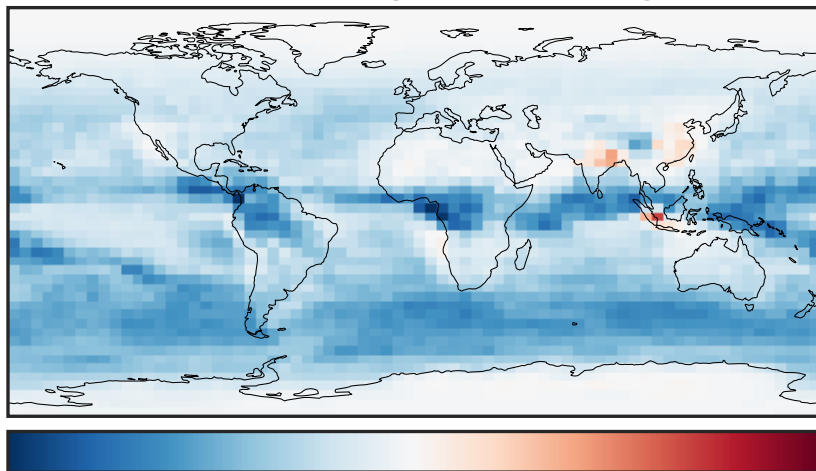
0.0015 0.0030
s-1

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



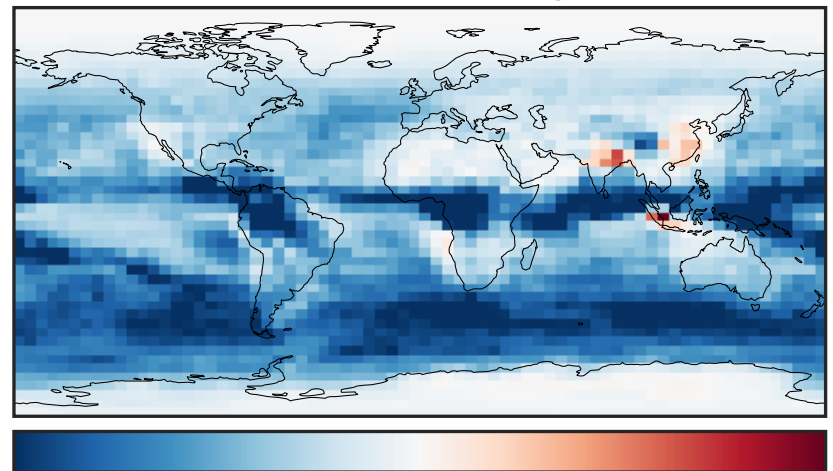
0.0015 0.0030
s-1

Difference
Dev - Ref, Dynamic Range



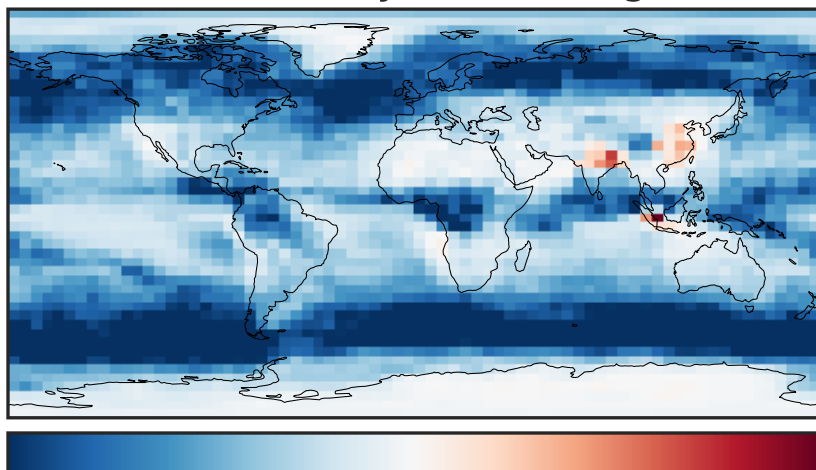
-0.0001 0.0000 0.0001
s-1

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



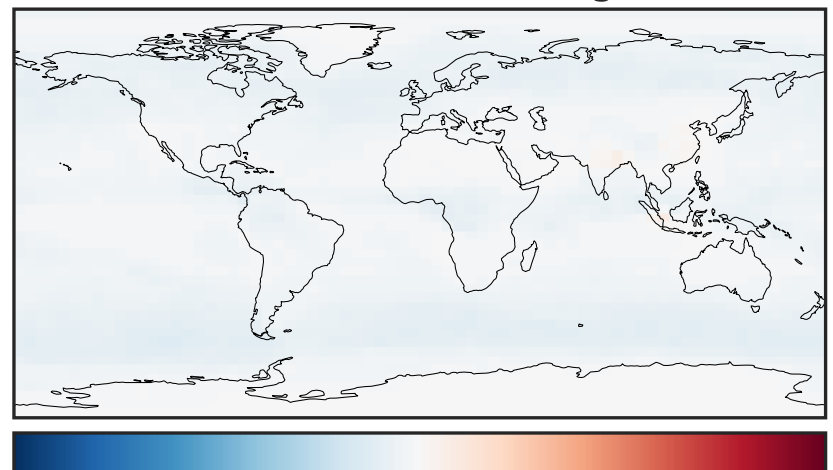
-6 0 6
s-1 1e-5

Ratio
Dev/Ref, Dynamic Range



0.9467 0.9734 1.0000 1.0281 1.0563
unitless

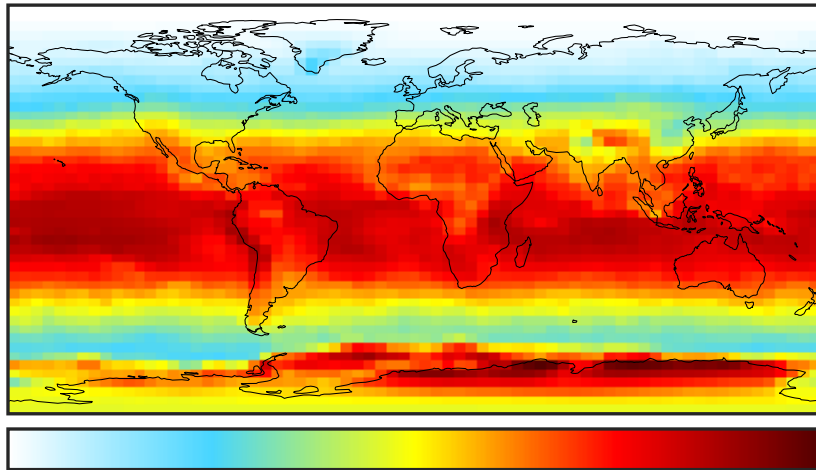
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

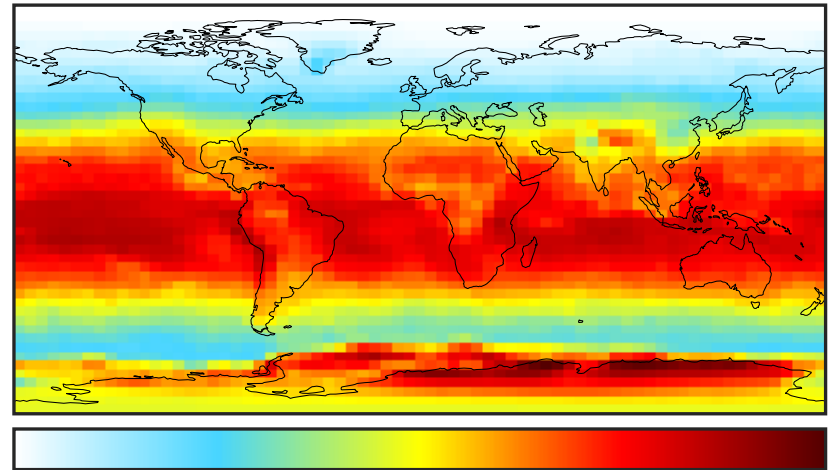
Jval_CH2IBr (Oct2019)

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



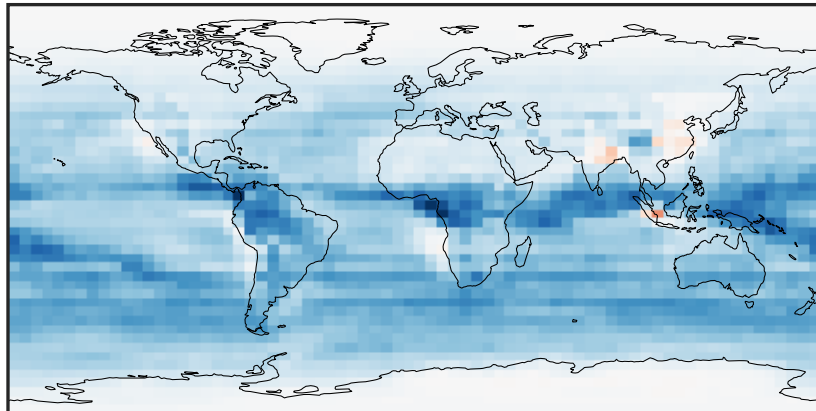
0.00006 0.00012 0.00018
s-1

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



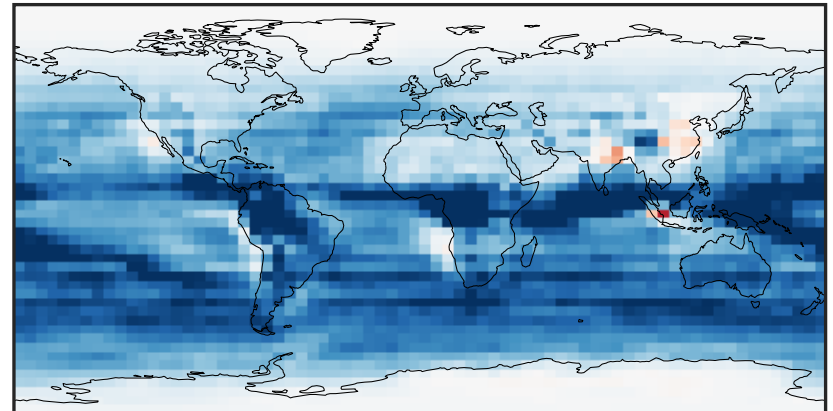
0.00006 0.00012 0.00018
s-1

Difference
Dev - Ref, Dynamic Range



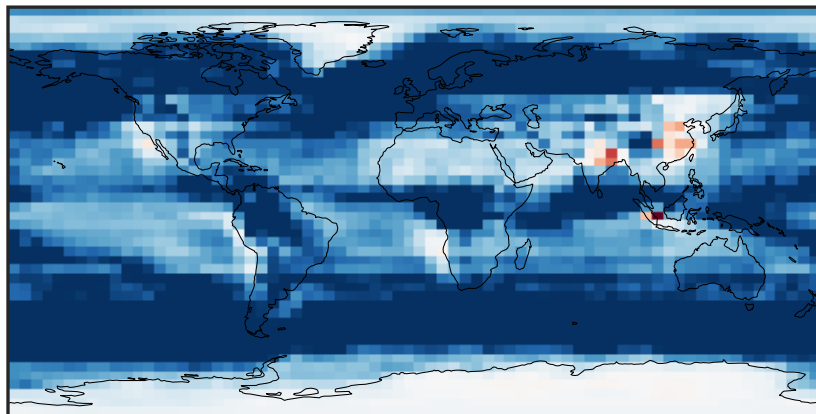
-6 0 6
s-1 1e-6

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



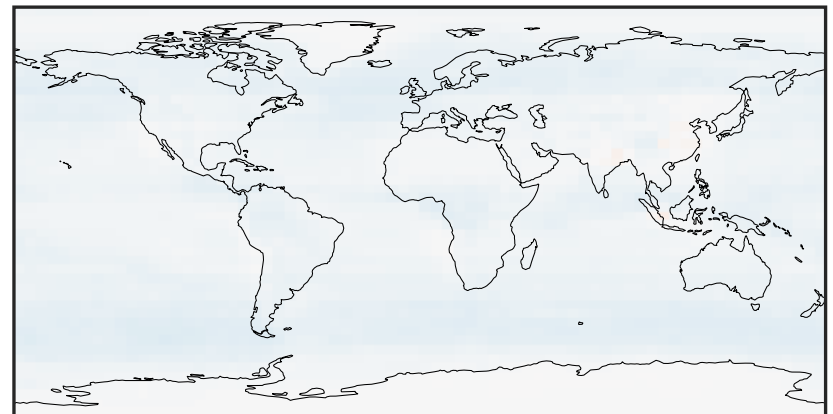
-4 0 4
s-1 1e-6

Ratio
Dev/Ref, Dynamic Range



0.95719 0.97860 1.00000 1.02236 1.04472
unitless

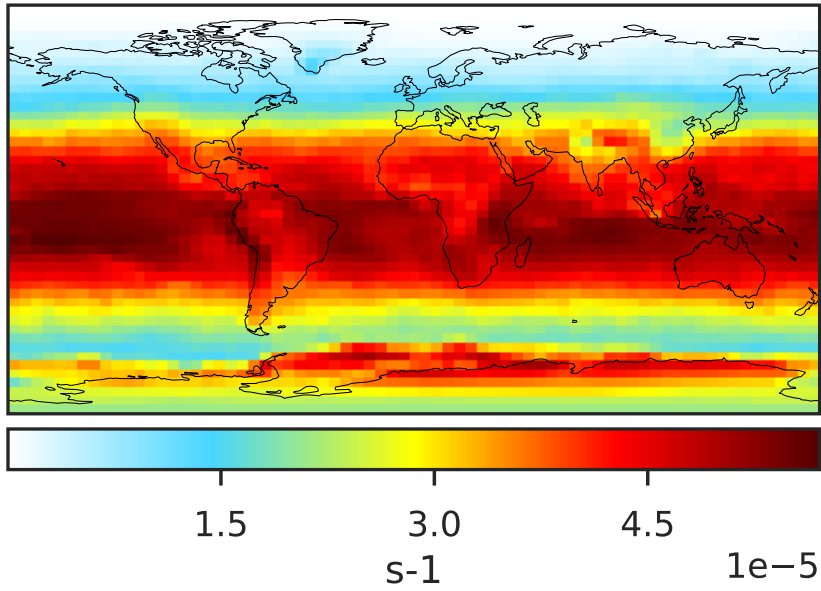
Ratio
Dev/Ref, Fixed Range



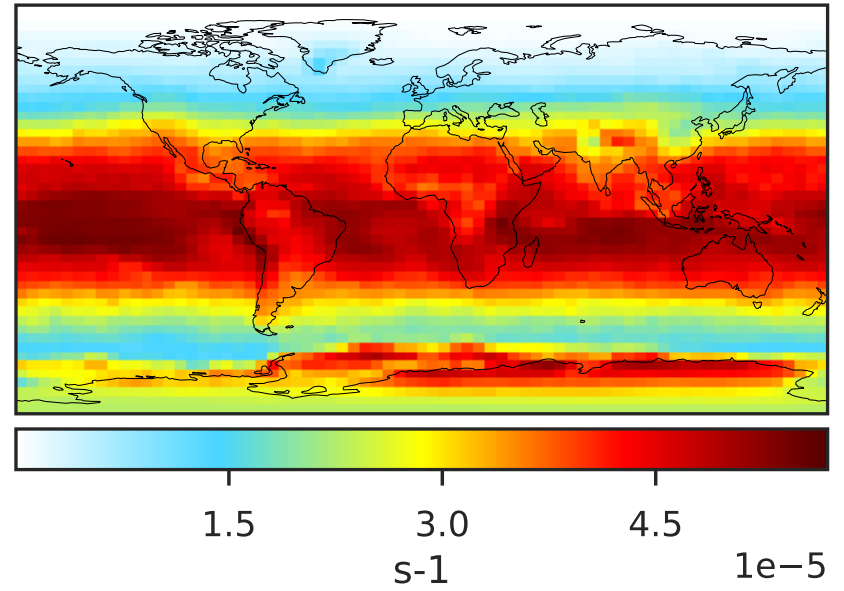
0.50 0.75 1.00 1.50 2.00
unitless

Jval_CH2ICI (Oct2019)

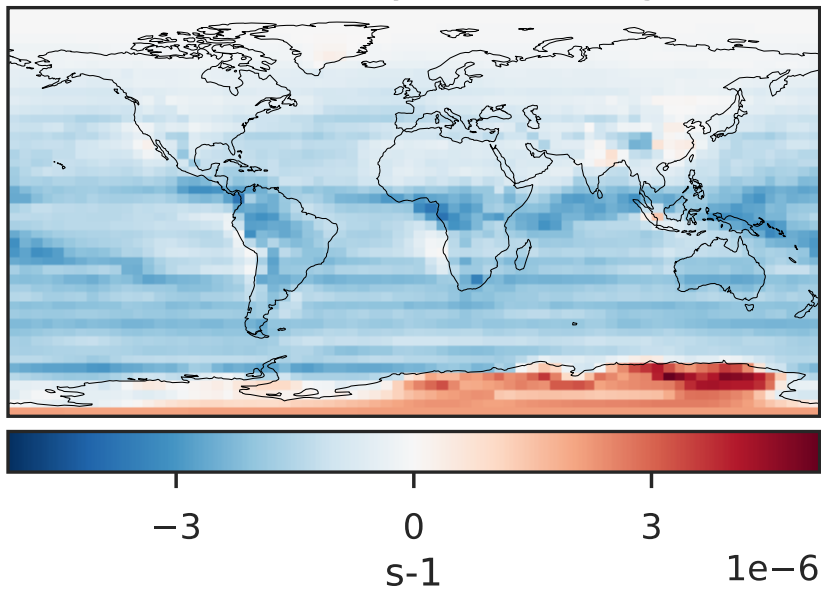
14.2.0-rc.2 (Ref)
4.0x5.0



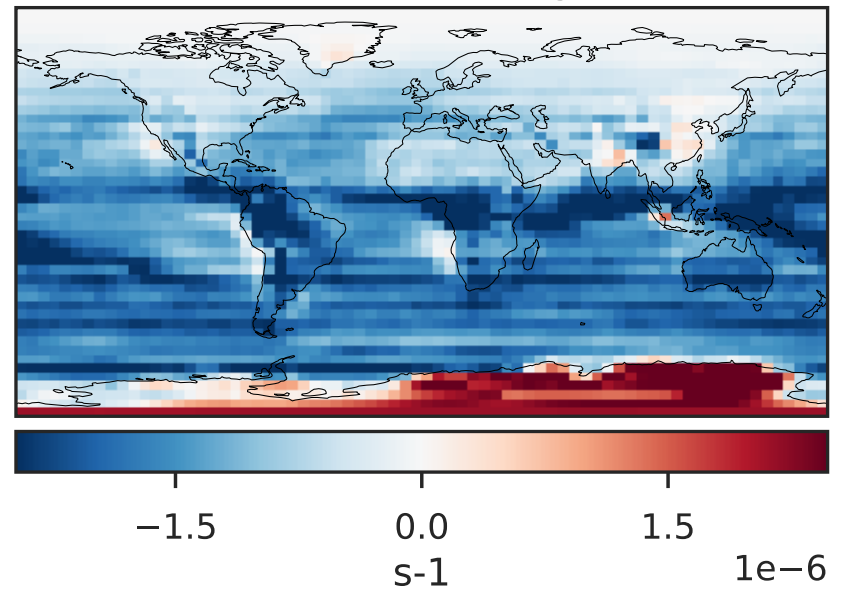
14.3.0-rc.0 (Dev)
4.0x5.0



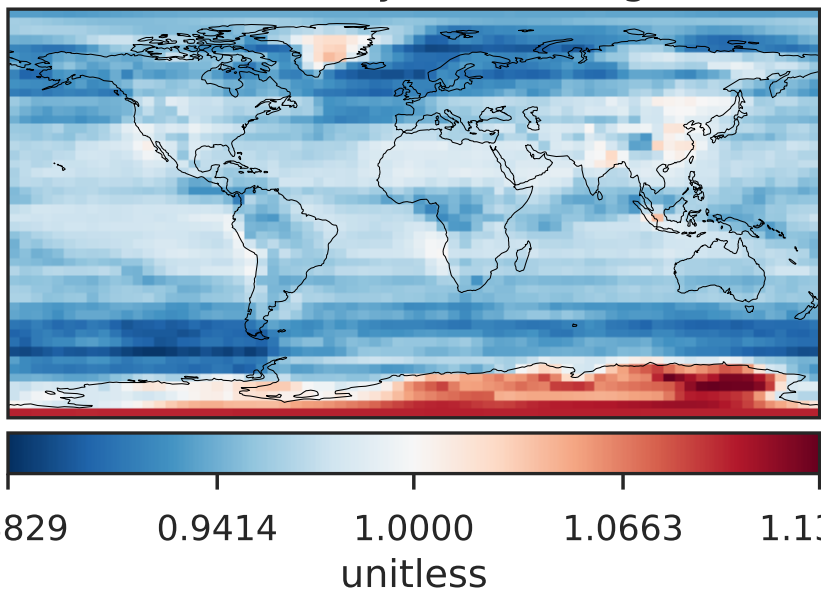
Difference
Dev - Ref, Dynamic Range



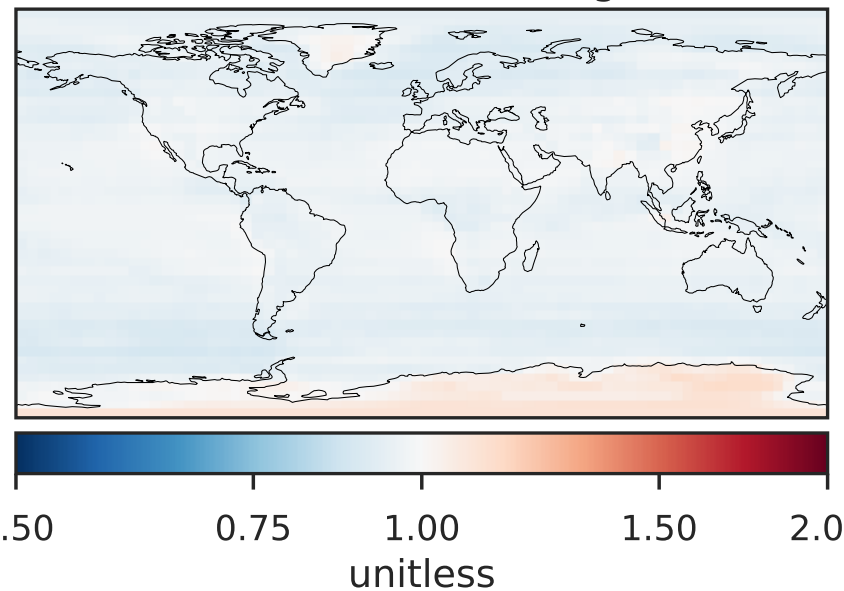
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

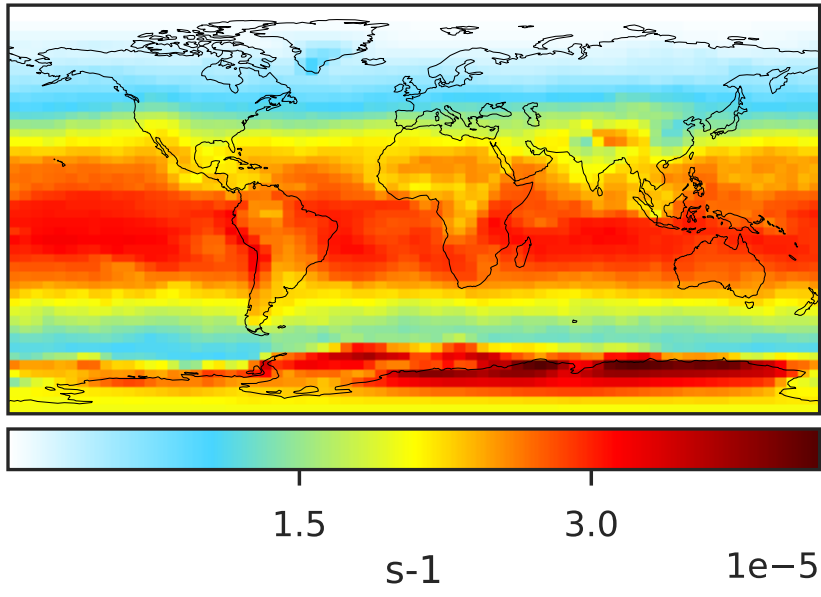


Ratio
Dev/Ref, Fixed Range

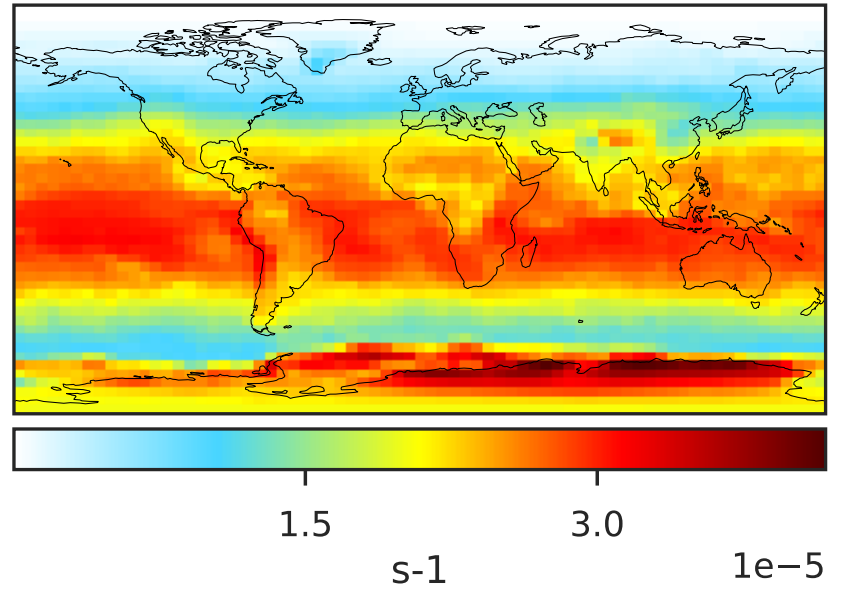


Jval_CH20 (Oct2019)

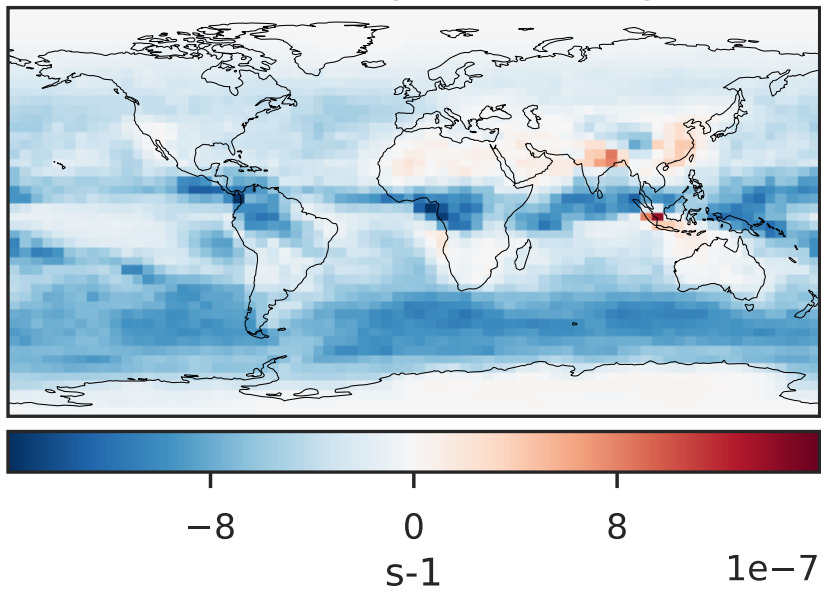
14.2.0-rc.2 (Ref)
4.0x5.0



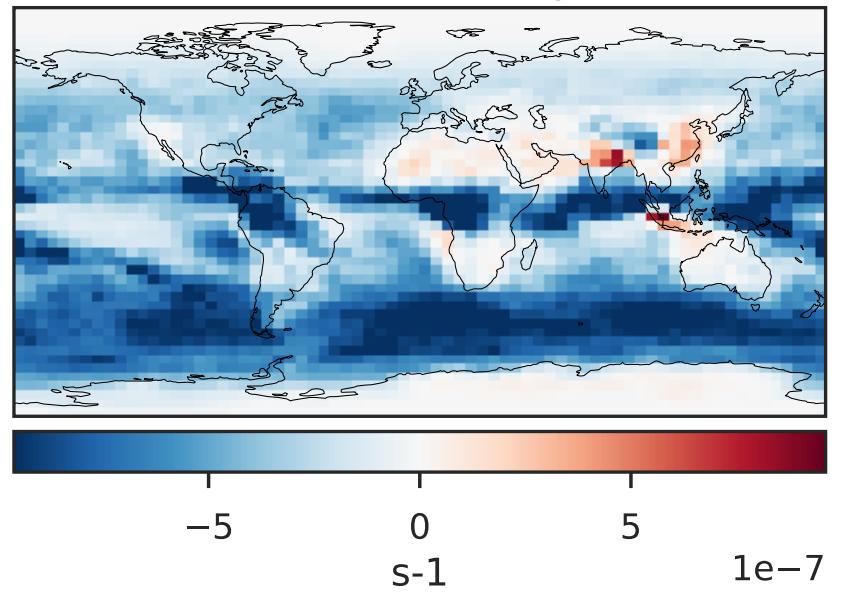
14.3.0-rc.0 (Dev)
4.0x5.0



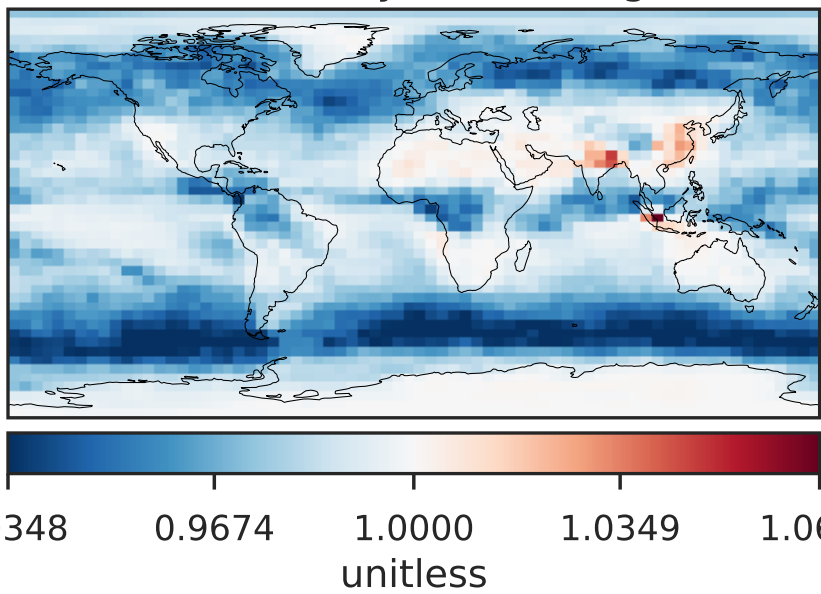
Difference
Dev - Ref, Dynamic Range



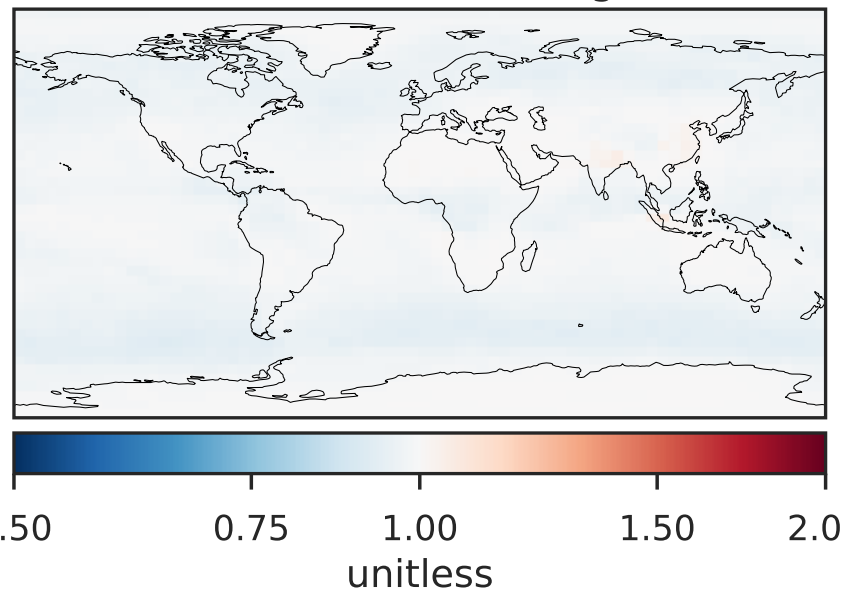
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

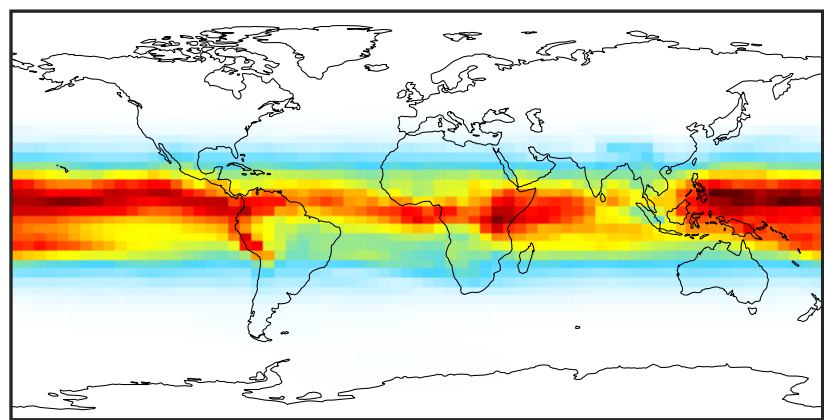


Ratio
Dev/Ref, Fixed Range



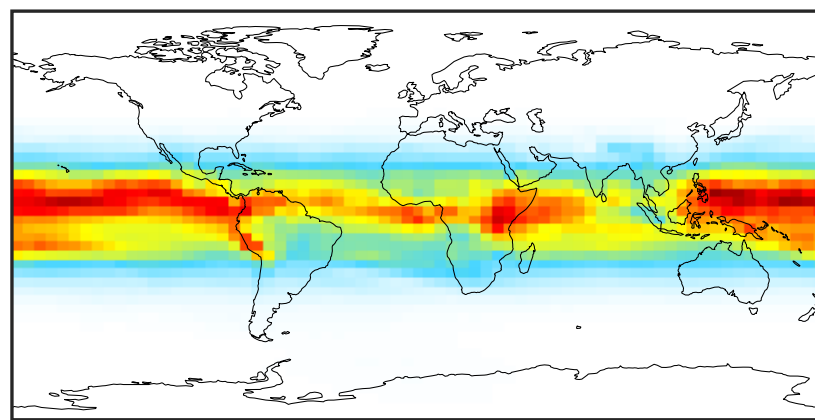
Jval_CH3Br (Oct2019)

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



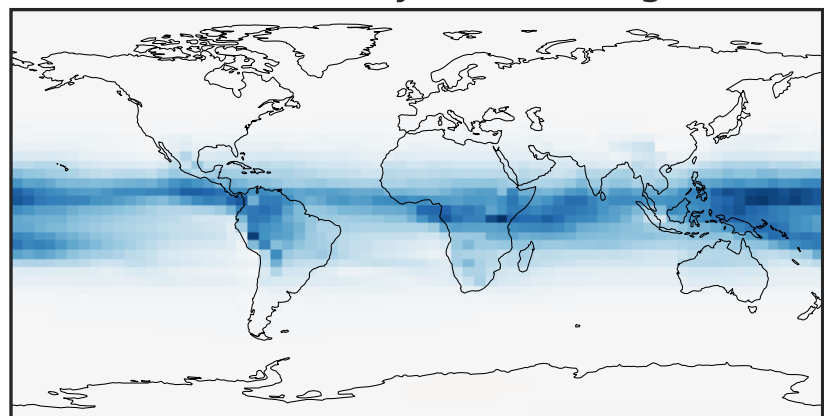
0.4 0.8 1.2
s-1 $1e-13$

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



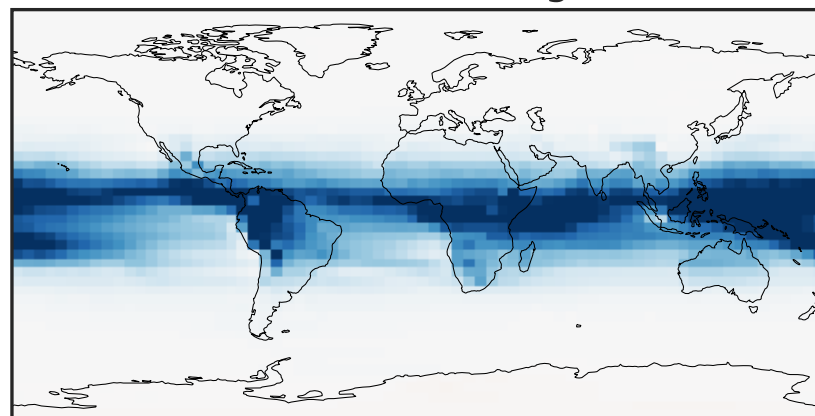
0.4 0.8 1.2
s-1 $1e-13$

Difference
Dev - Ref, Dynamic Range



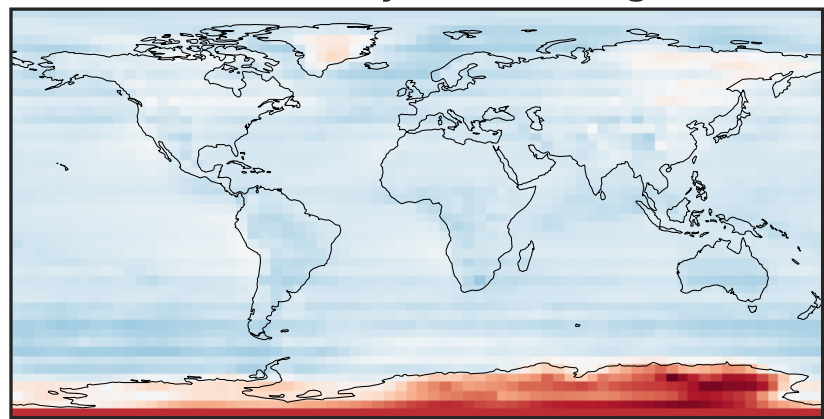
-1 0 1
s-1 $1e-14$

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



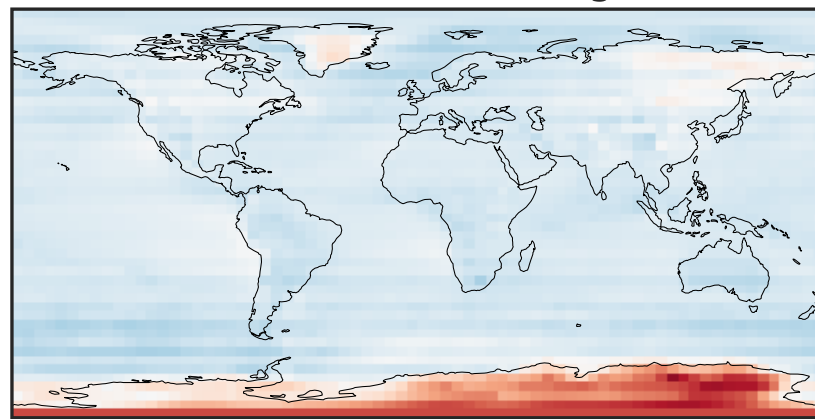
-6 0 6
s-1 $1e-15$

Ratio
Dev/Ref, Dynamic Range



0.540 0.770 1.000 1.426 1.852
unitless

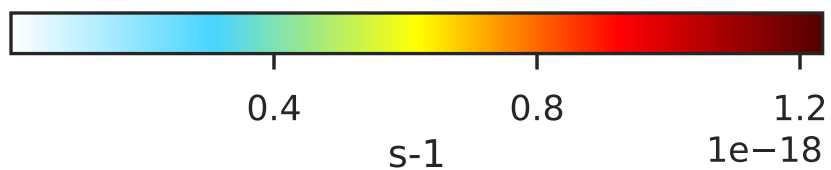
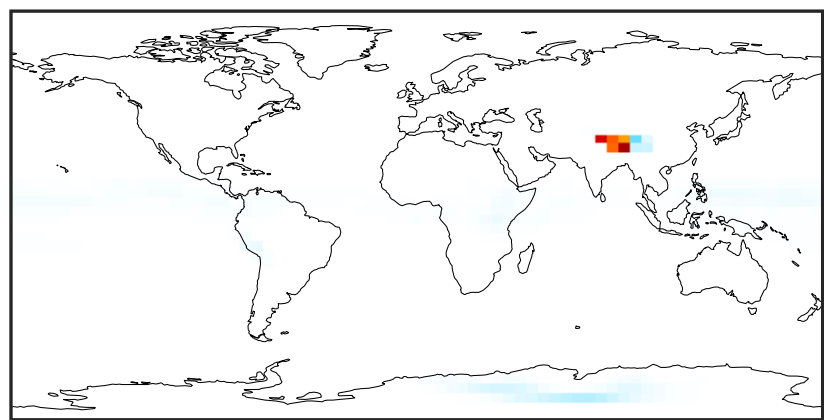
Ratio
Dev/Ref, Fixed Range



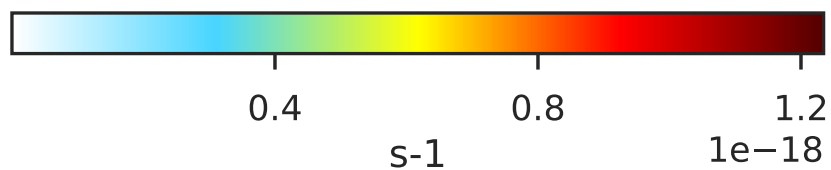
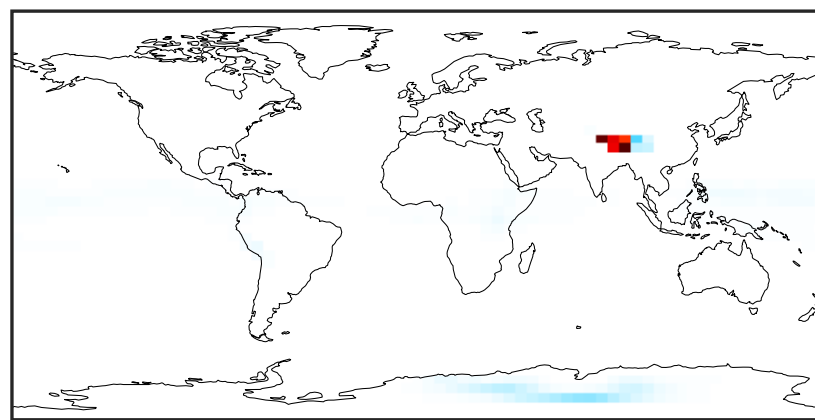
0.50 0.75 1.00 1.50 2.00
unitless

Jval_CH3CCI3 (Oct2019)

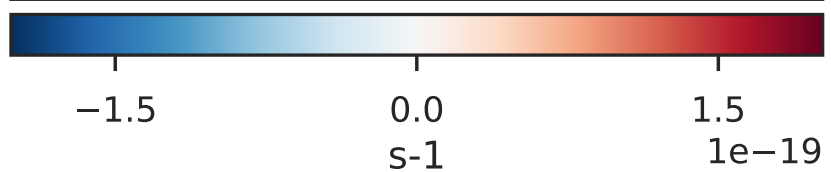
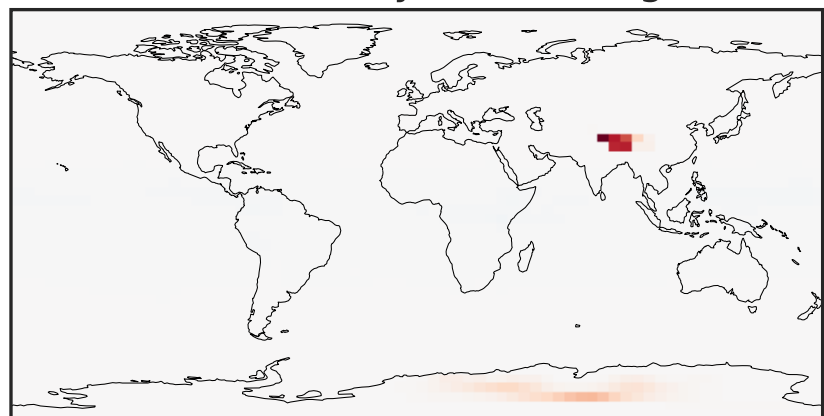
14.2.0-rc.2 (Ref)
4.0x5.0



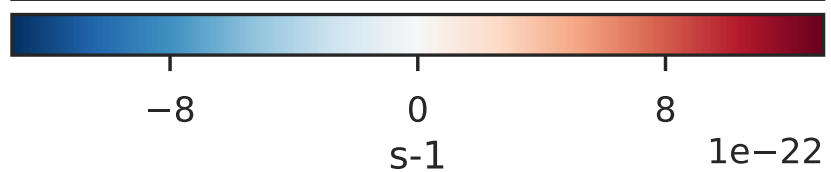
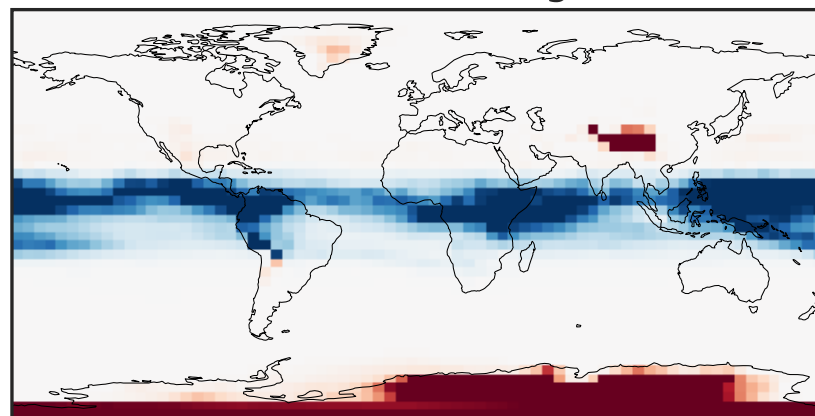
14.3.0-rc.0 (Dev)
4.0x5.0



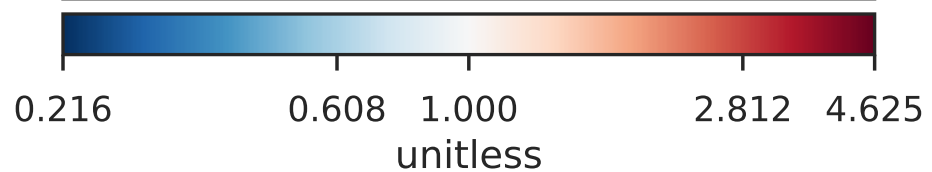
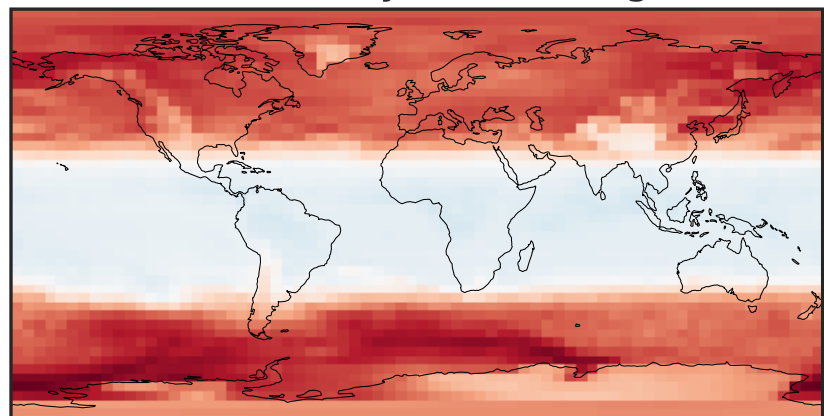
Difference
Dev - Ref, Dynamic Range



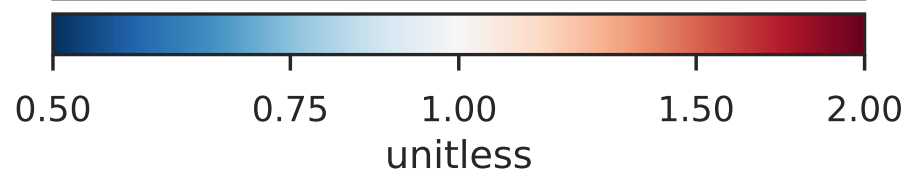
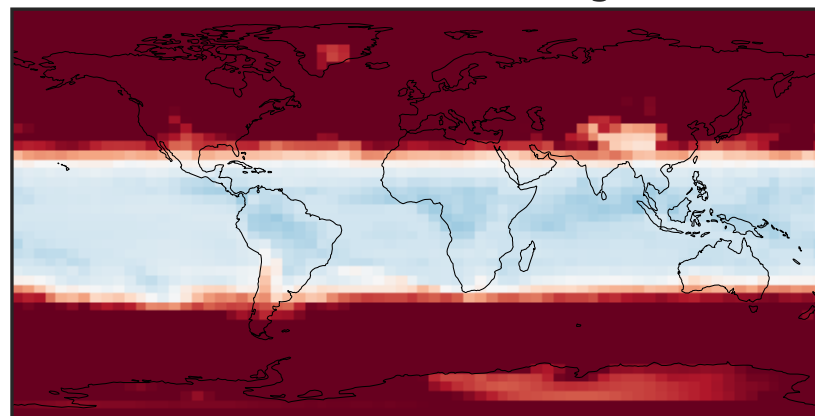
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

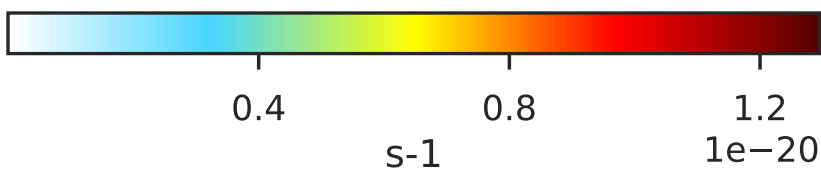
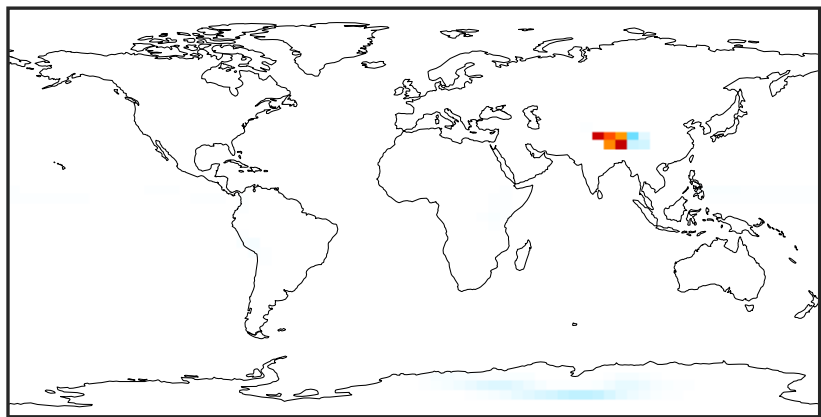


Ratio
Dev/Ref, Fixed Range

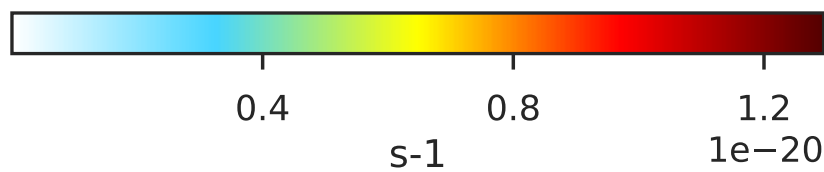
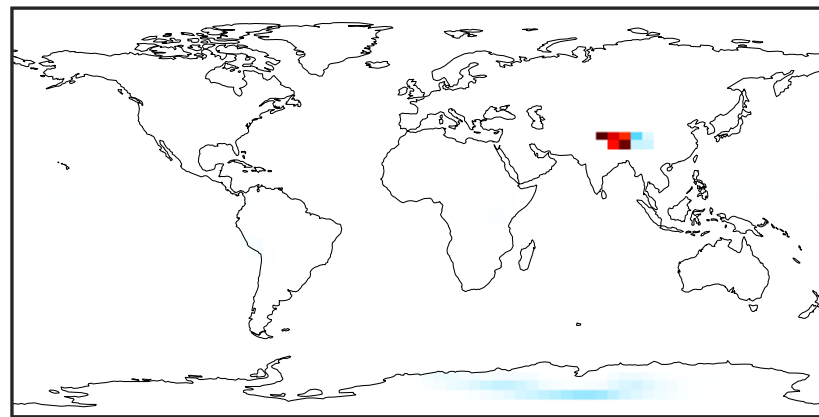


Jval_CH3Cl (Oct2019)

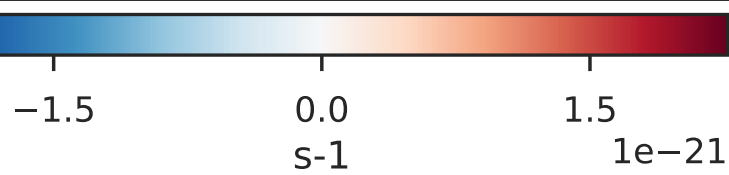
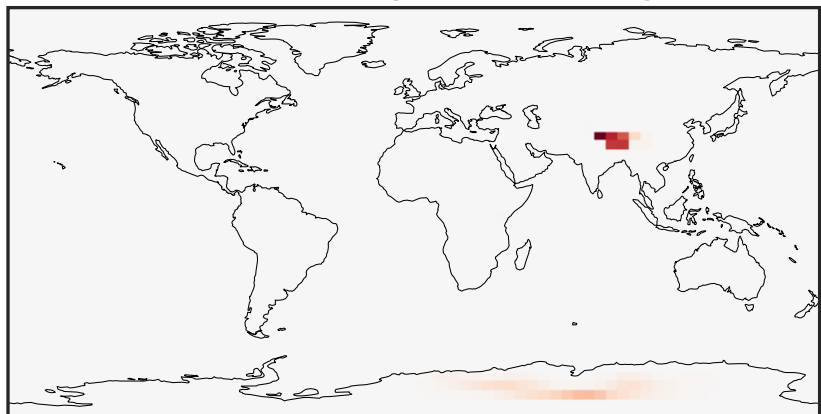
14.2.0-rc.2 (Ref)
4.0x5.0



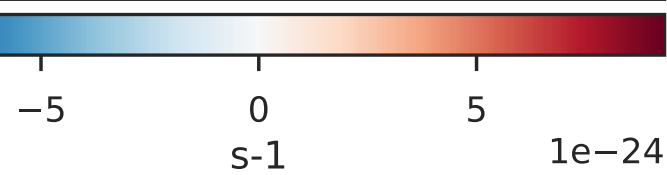
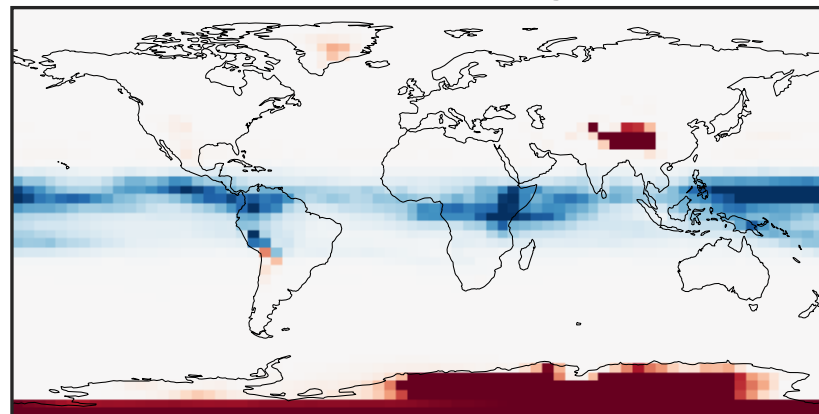
14.3.0-rc.0 (Dev)
4.0x5.0



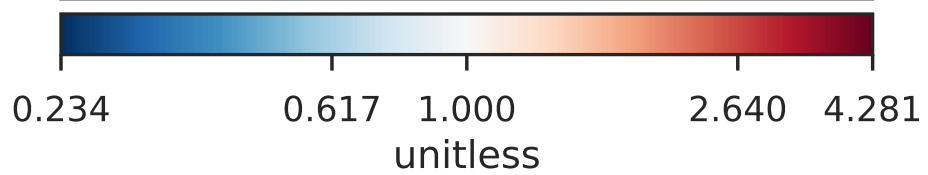
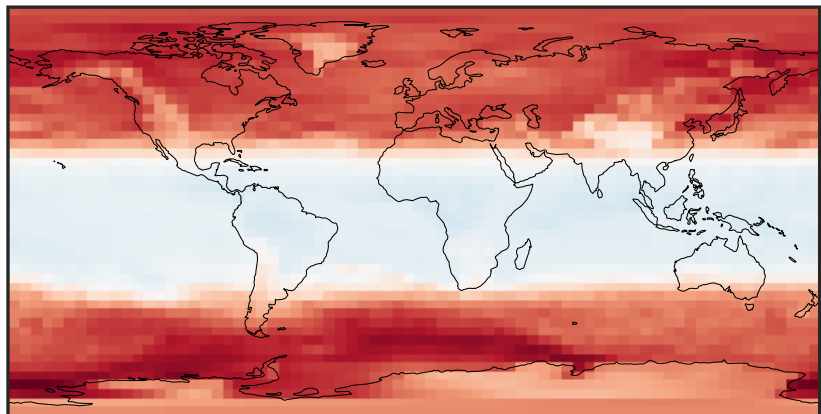
Difference
Dev - Ref, Dynamic Range



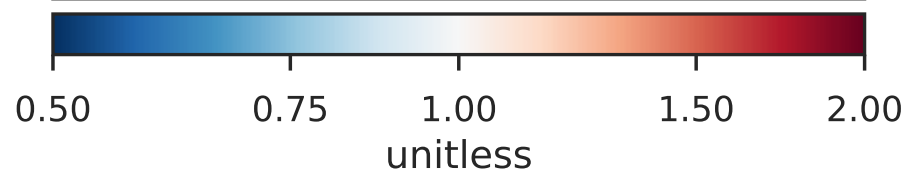
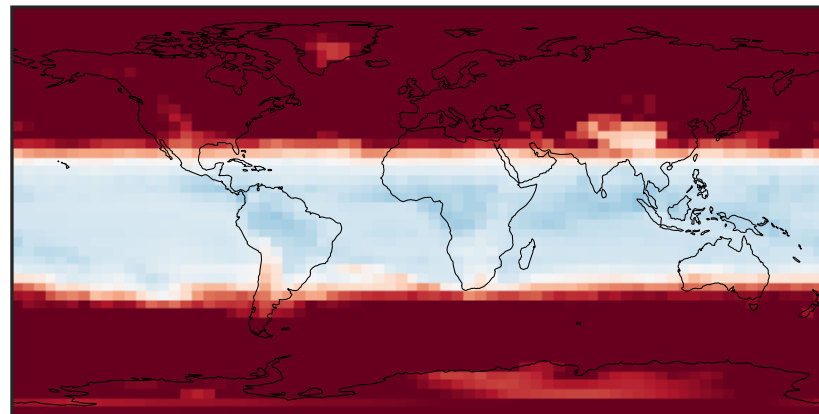
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

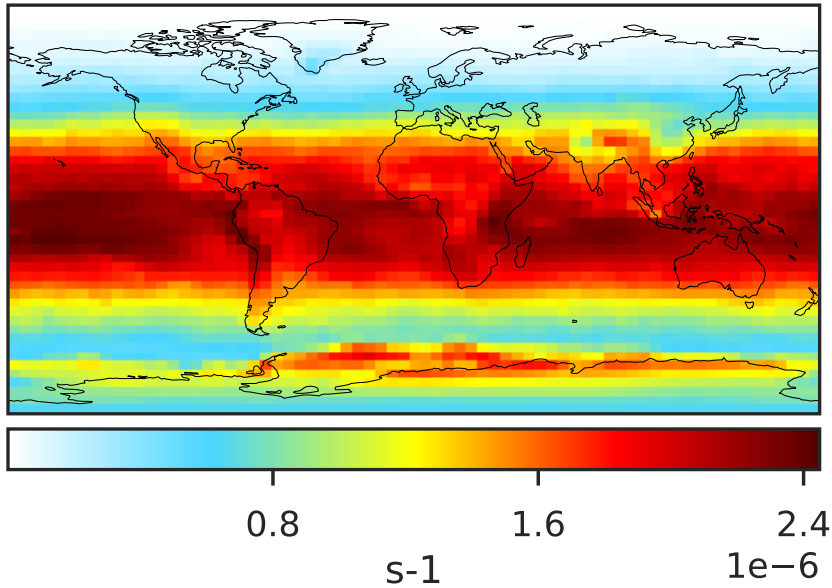


Ratio
Dev/Ref, Fixed Range

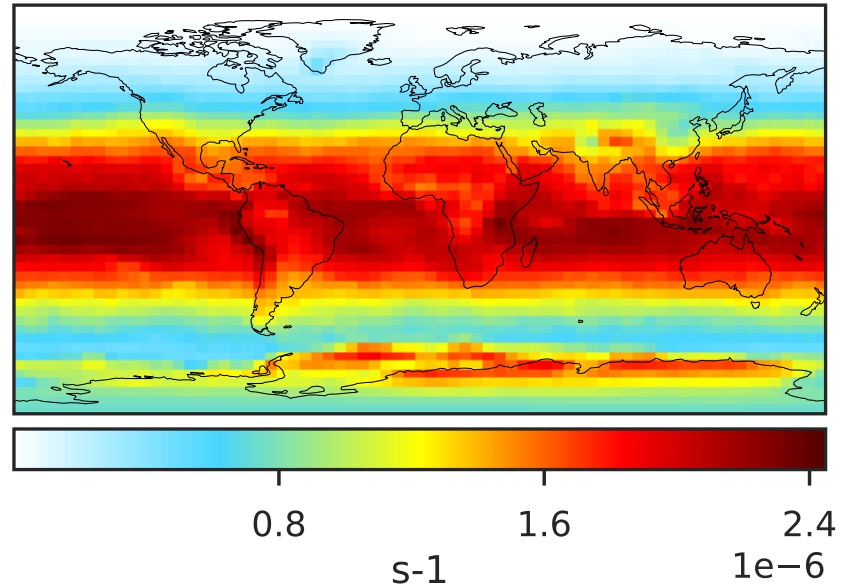


Jval_CH3I (Oct2019)

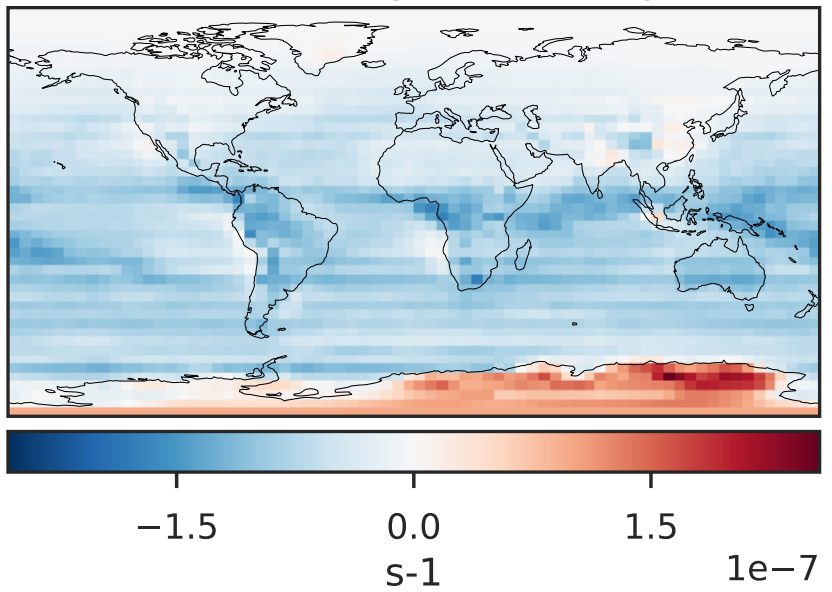
14.2.0-rc.2 (Ref)
4.0x5.0



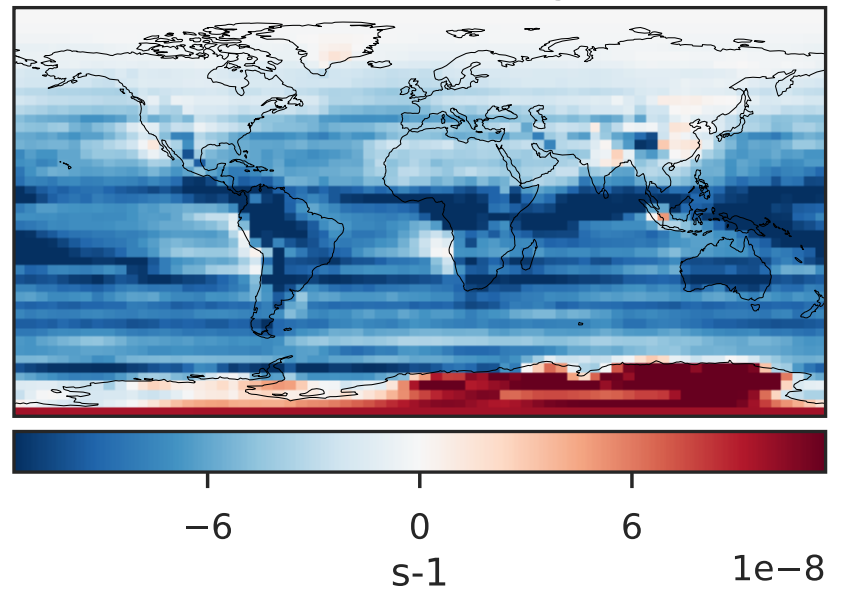
14.3.0-rc.0 (Dev)
4.0x5.0



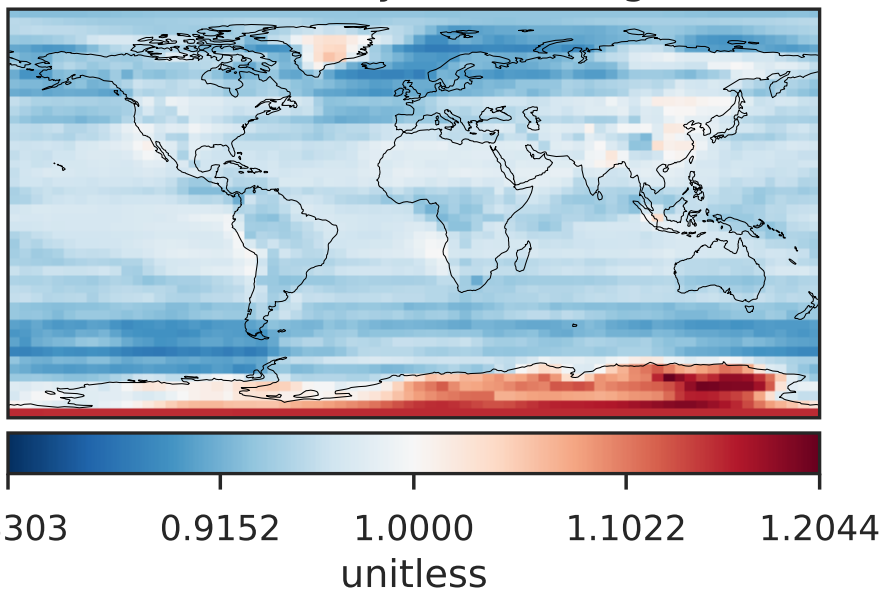
Difference
Dev - Ref, Dynamic Range



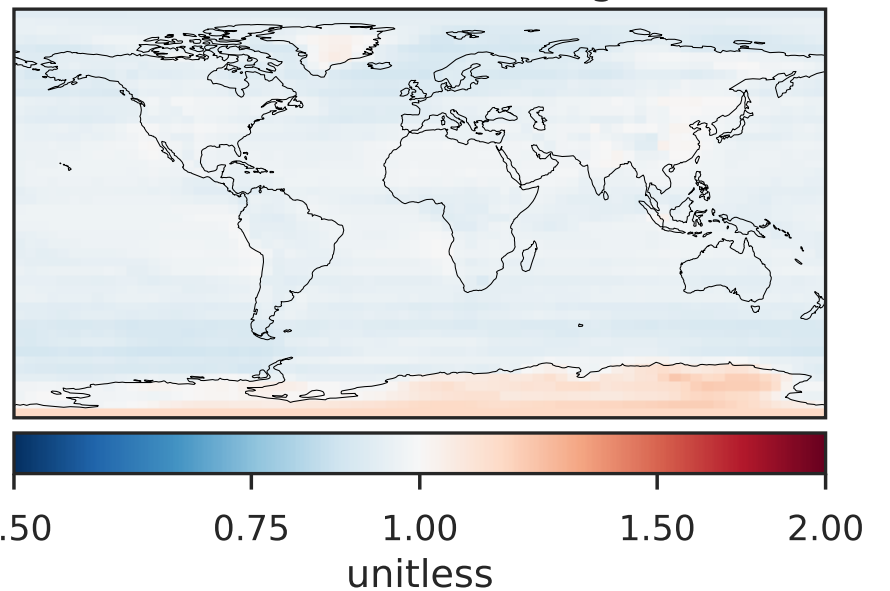
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

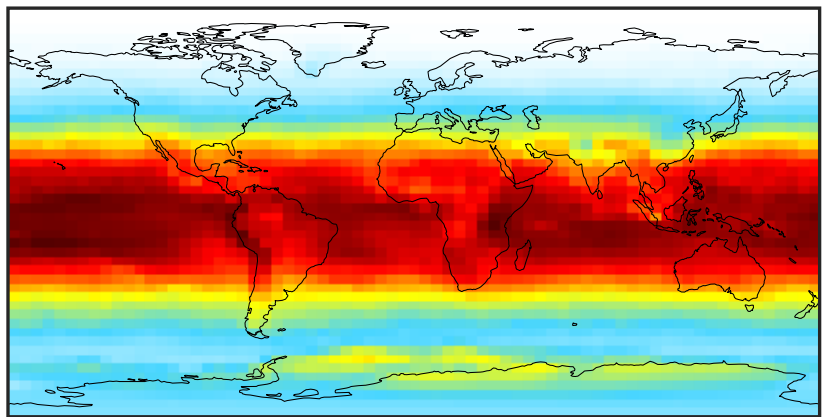


Ratio
Dev/Ref, Fixed Range



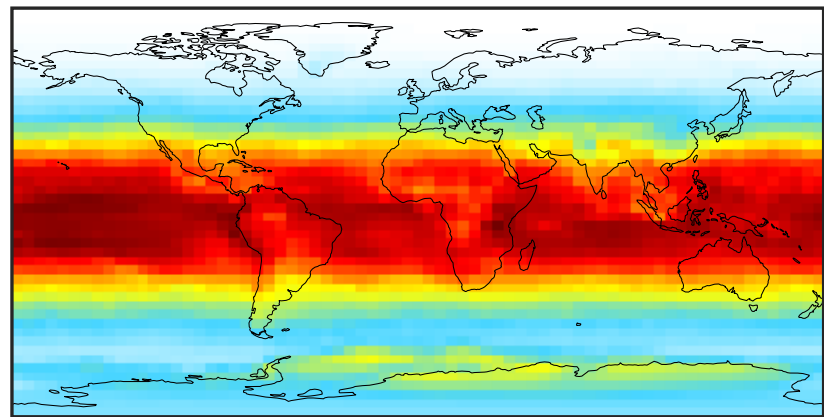
Jval_CHBr3 (Oct2019)

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



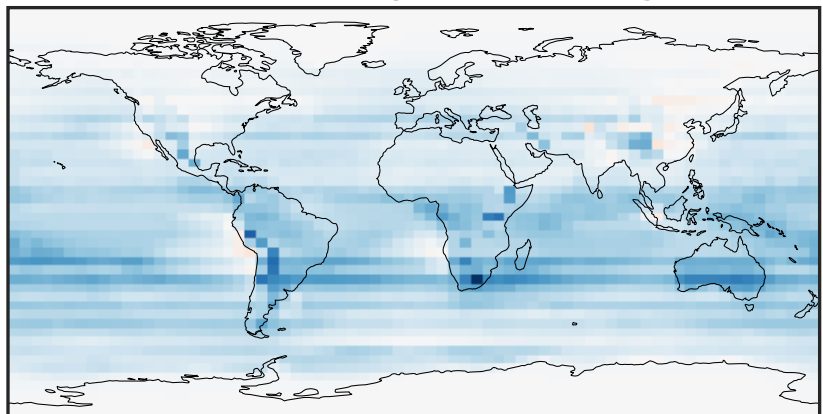
1.5 3.0 4.5
s-1 1e-7

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



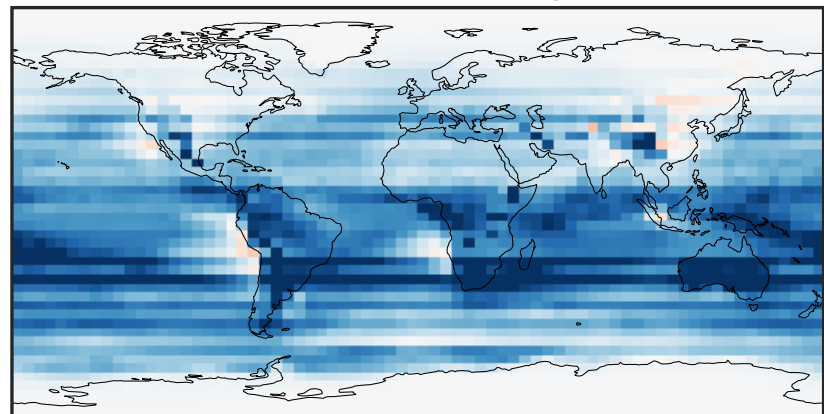
1.5 3.0 4.5
s-1 1e-7

Difference
Dev - Ref, Dynamic Range



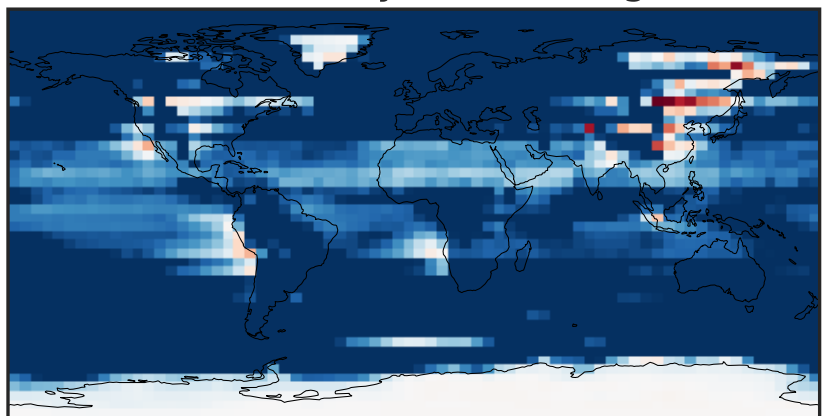
-4 0 4
s-1 1e-8

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



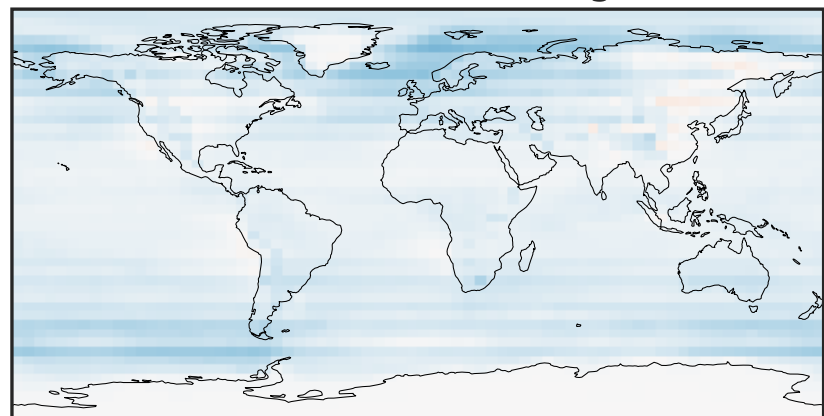
-2 0 2
s-1 1e-8

Ratio
Dev/Ref, Dynamic Range



0.9414 0.9707 1.0000 1.0311 1.0623
unitless

Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

Jval_CHCl3 (Oct2019)

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

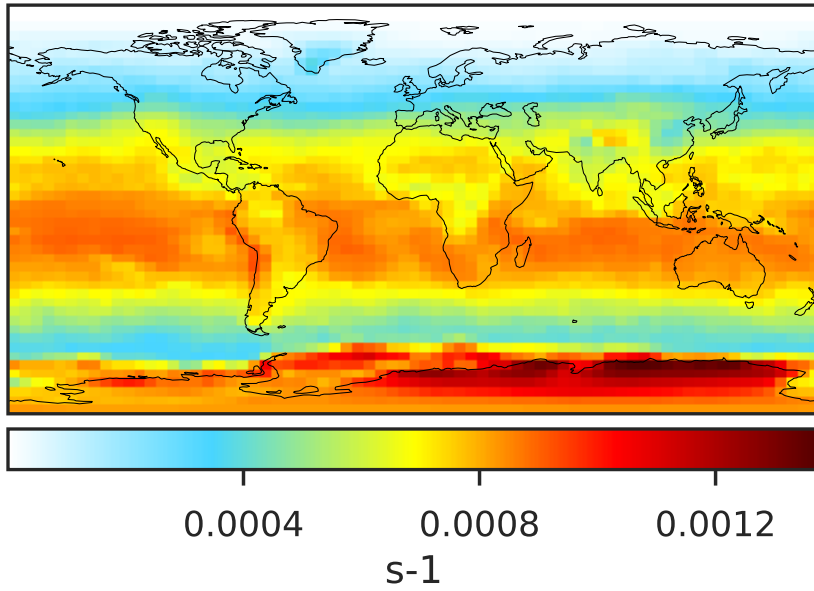
Ratio
Dev/Ref, Fixed Range



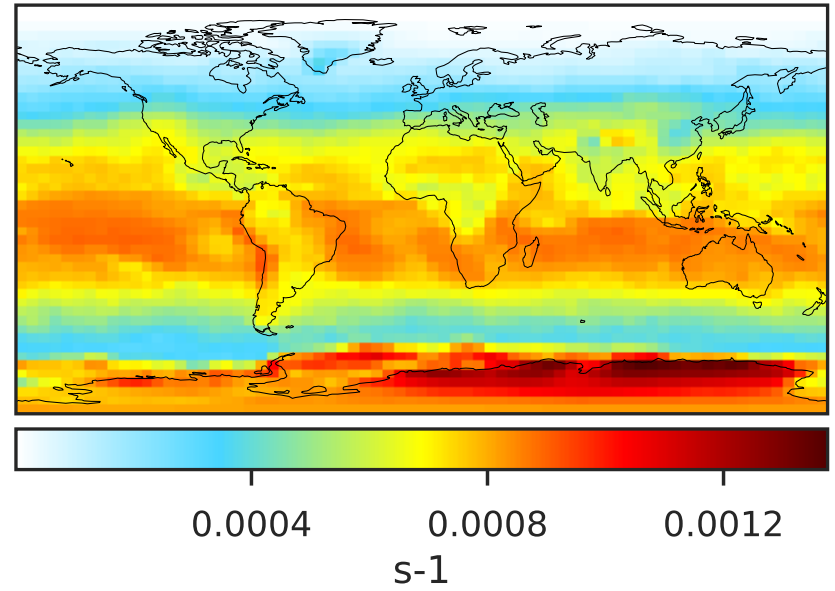
Undefined throughput domain
unitless

Jval_CI2 (Oct2019)

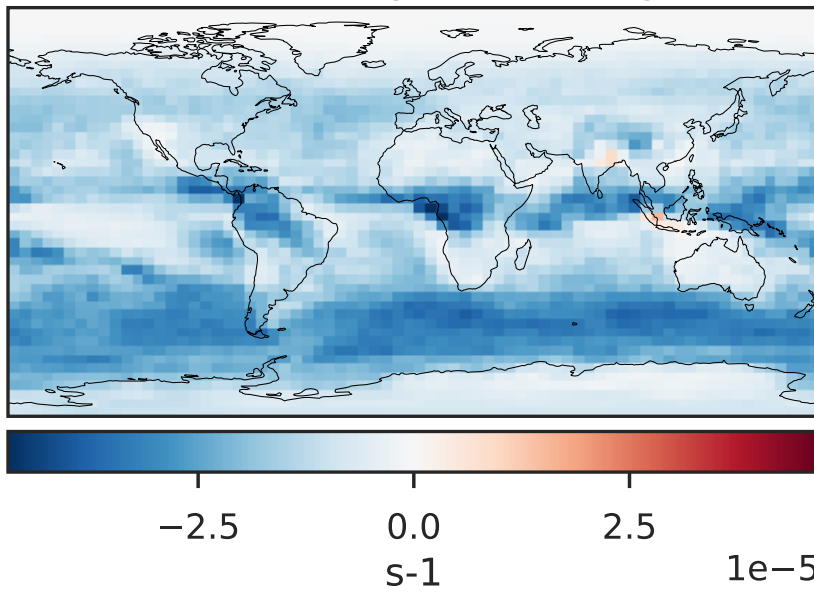
14.2.0-rc.2 (Ref)
4.0x5.0



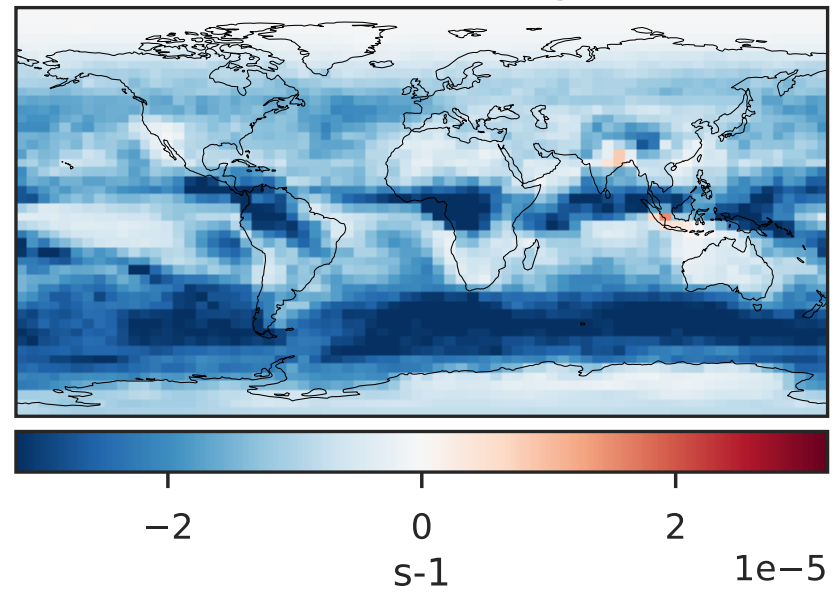
14.3.0-rc.0 (Dev)
4.0x5.0



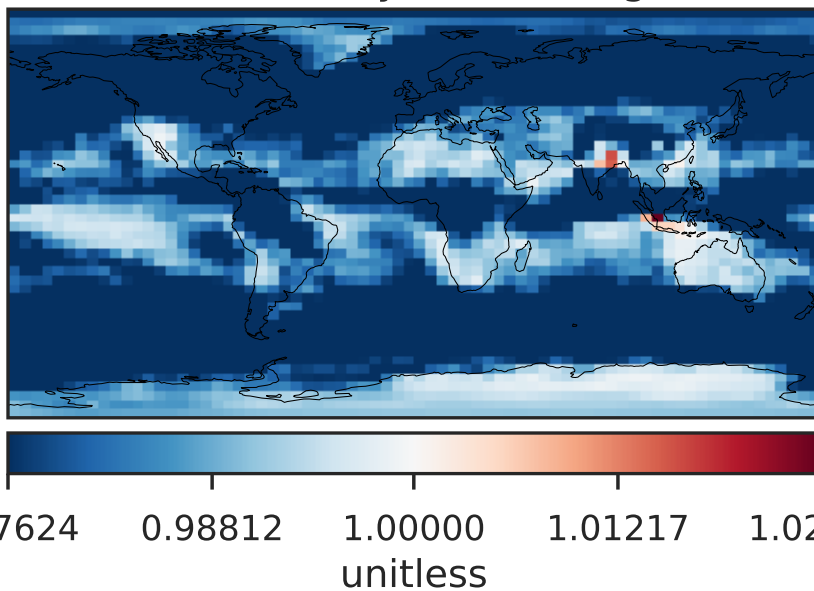
Difference
Dev - Ref, Dynamic Range



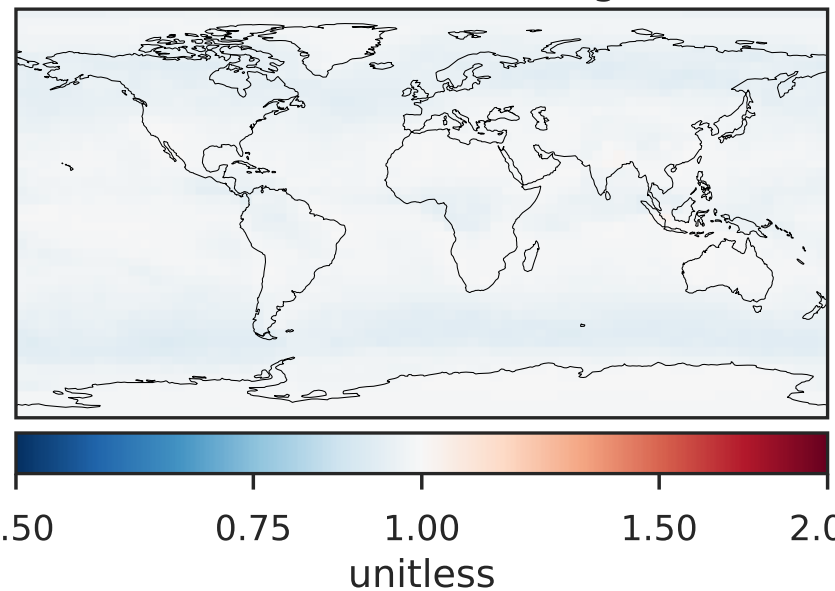
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

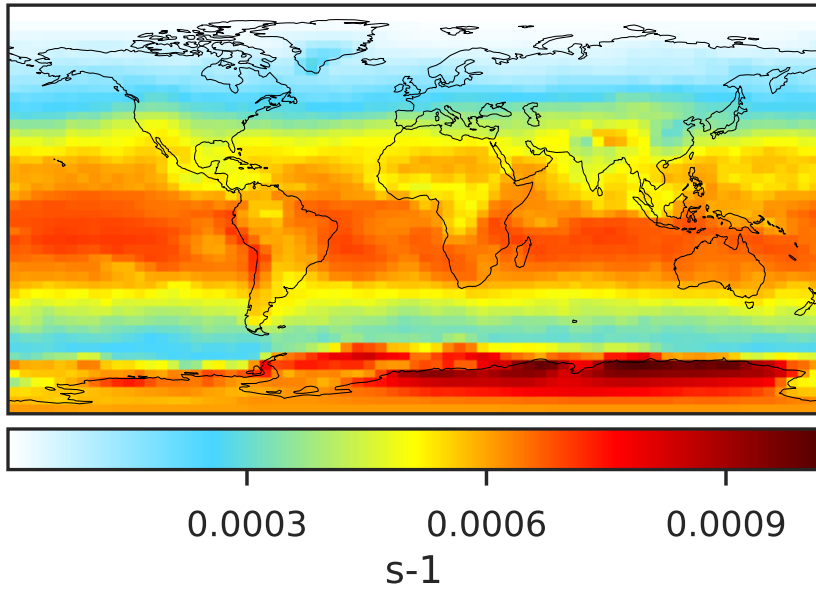


Ratio
Dev/Ref, Fixed Range

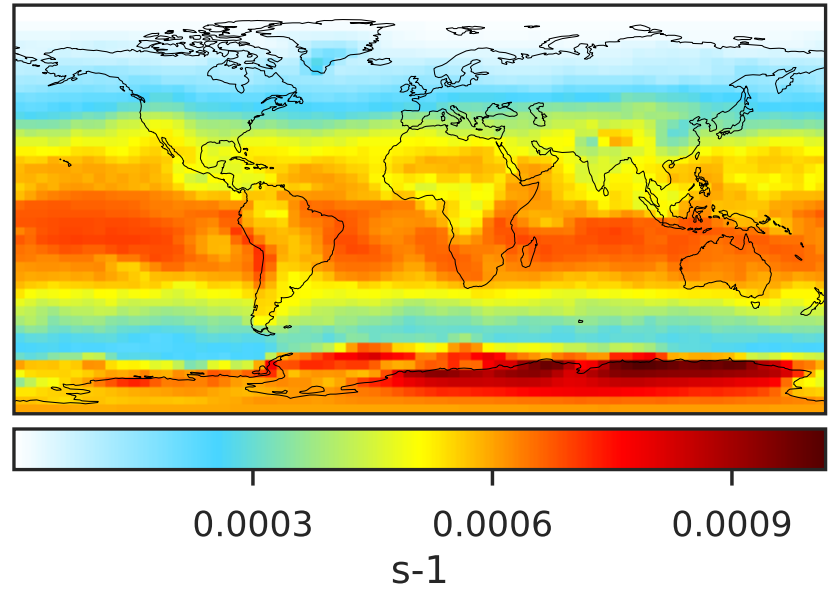


Jval_Cl202 (Oct2019)

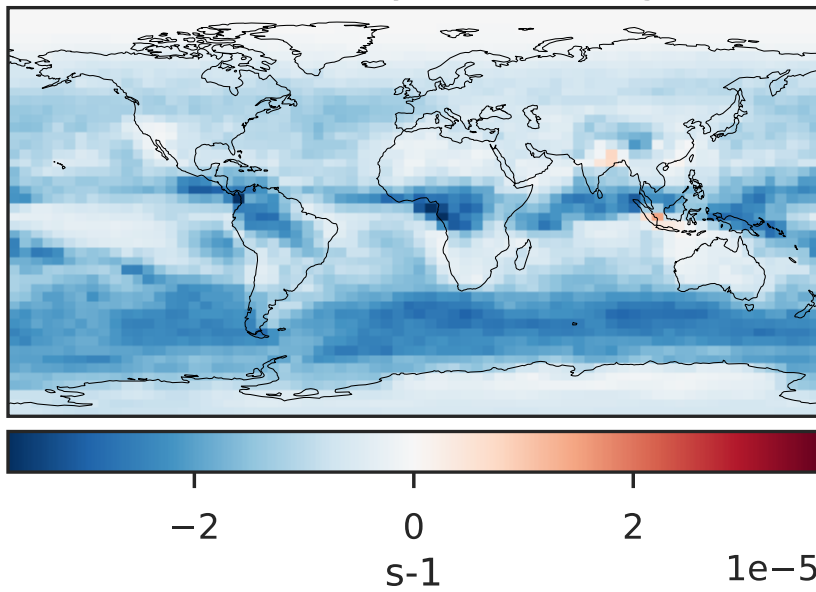
14.2.0-rc.2 (Ref)
4.0x5.0



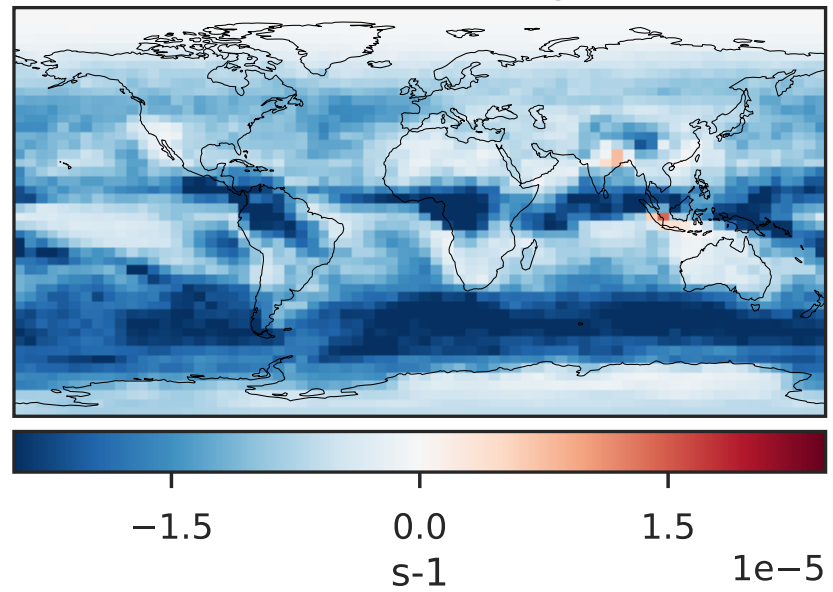
14.3.0-rc.0 (Dev)
4.0x5.0



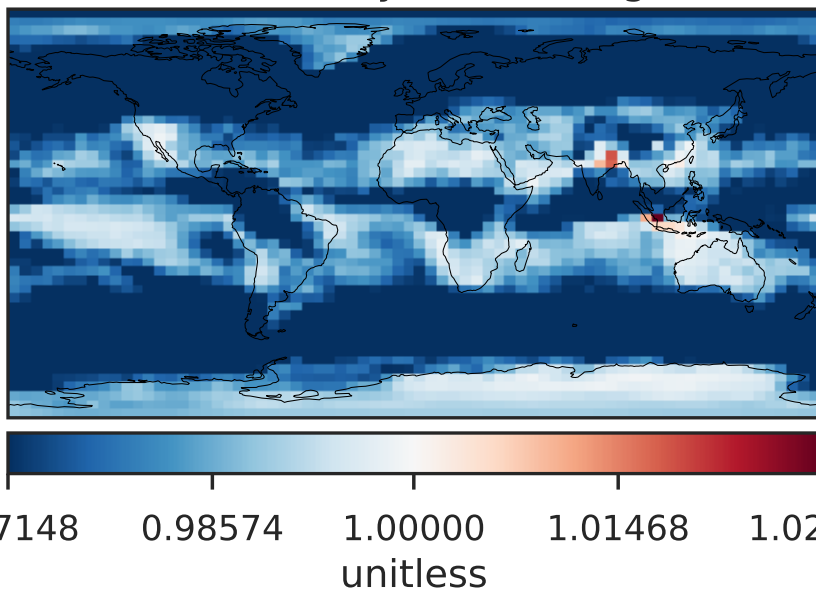
Difference
Dev - Ref, Dynamic Range



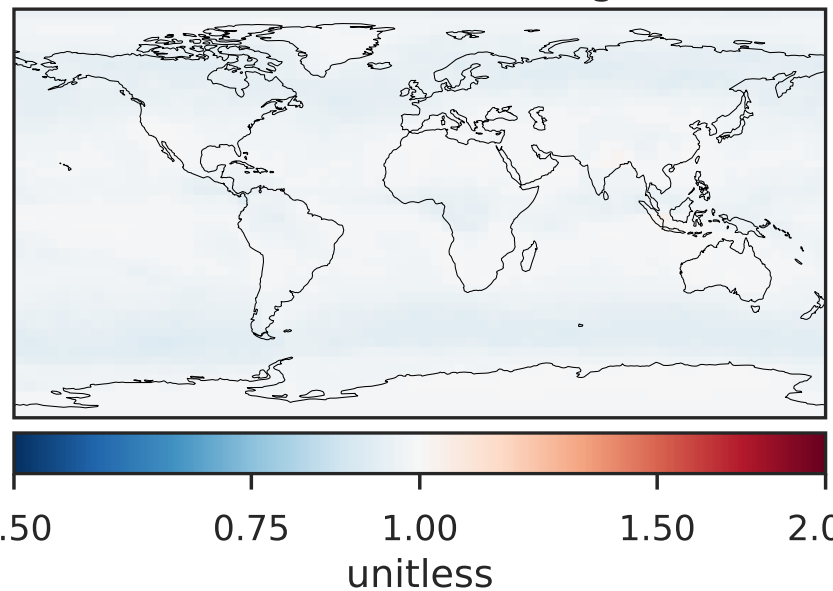
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

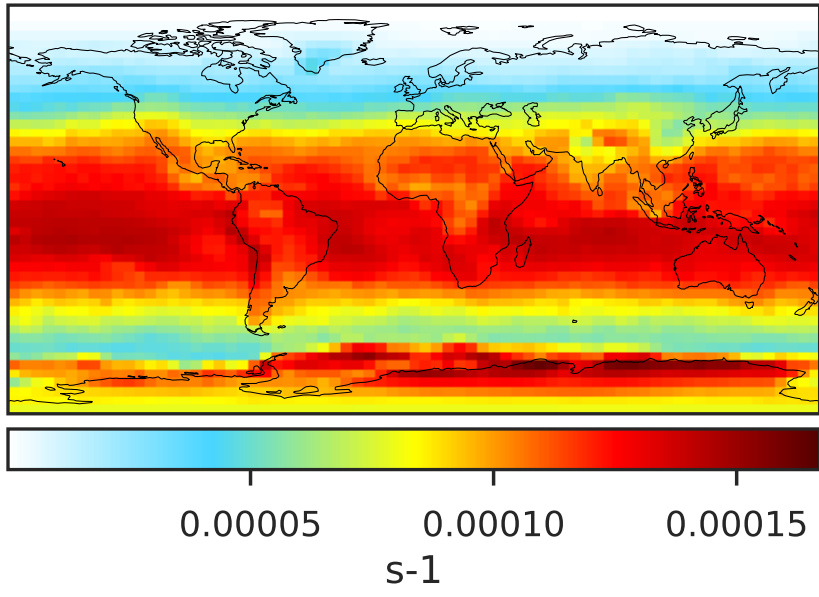


Ratio
Dev/Ref, Fixed Range

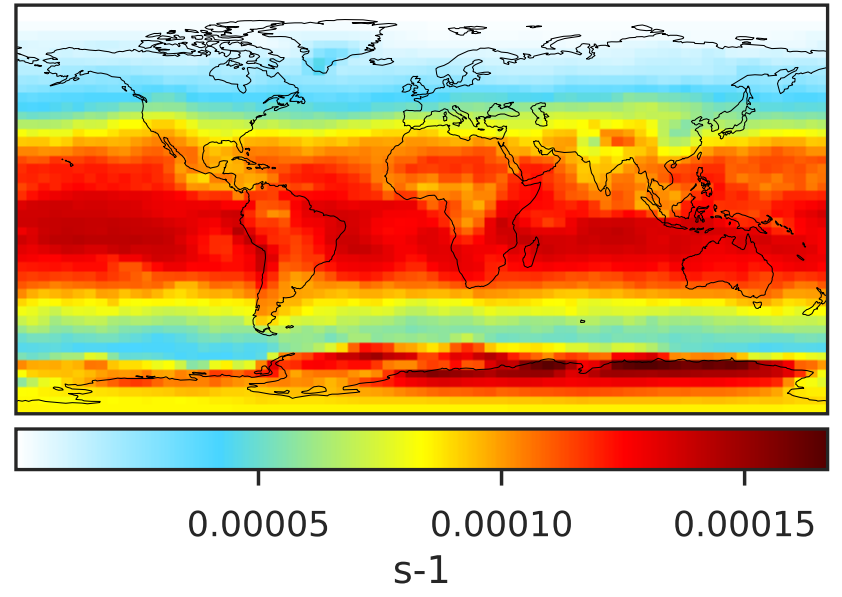


Jval_CIN02 (Oct2019)

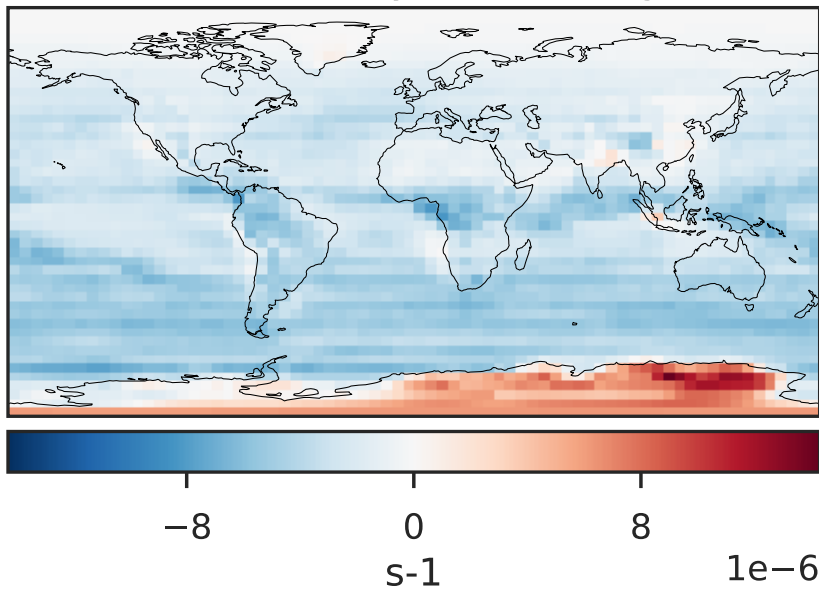
14.2.0-rc.2 (Ref)
4.0x5.0



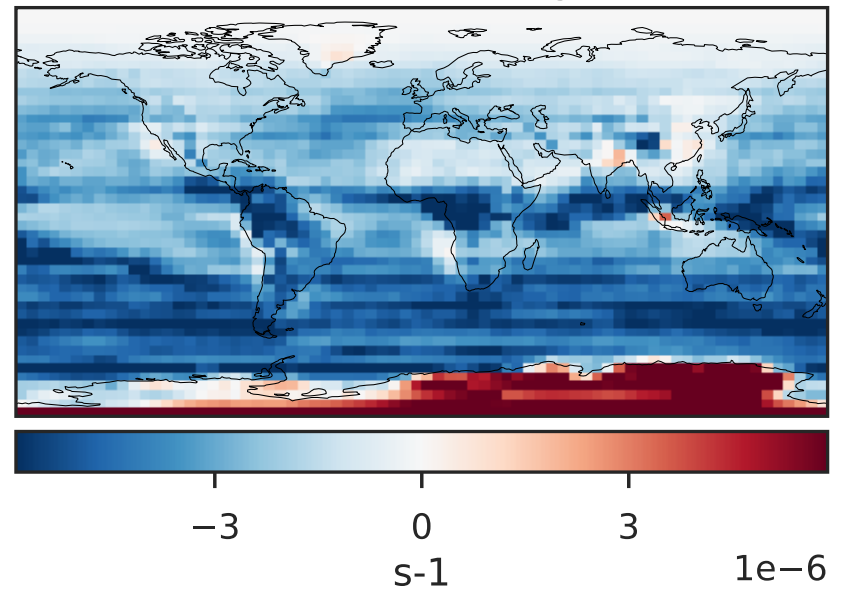
14.3.0-rc.0 (Dev)
4.0x5.0



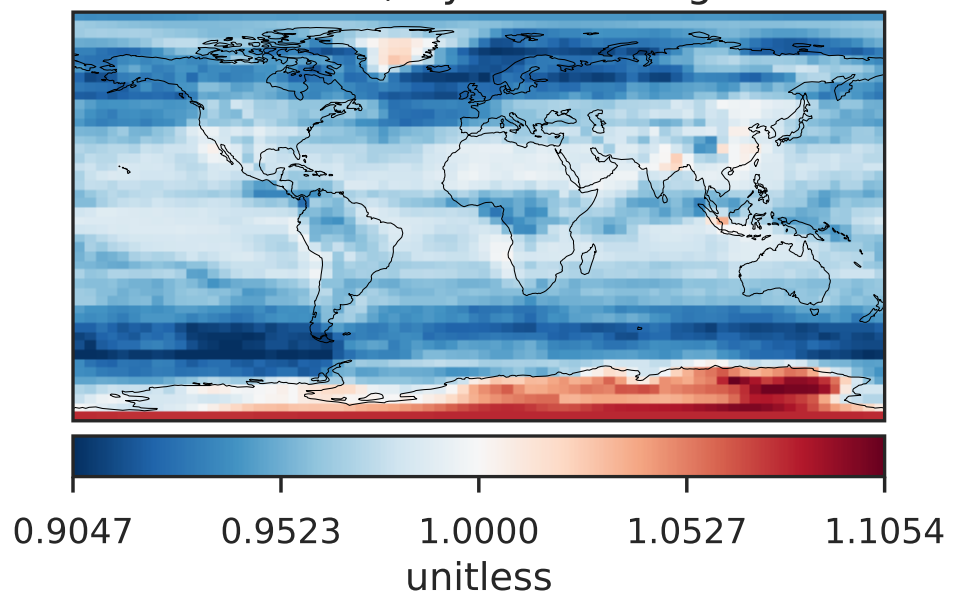
Difference
Dev - Ref, Dynamic Range



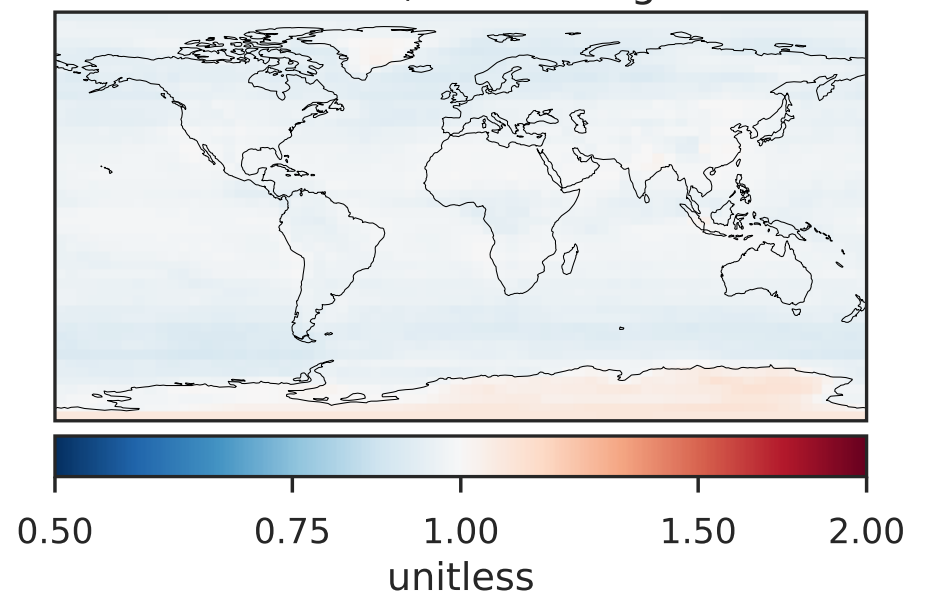
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

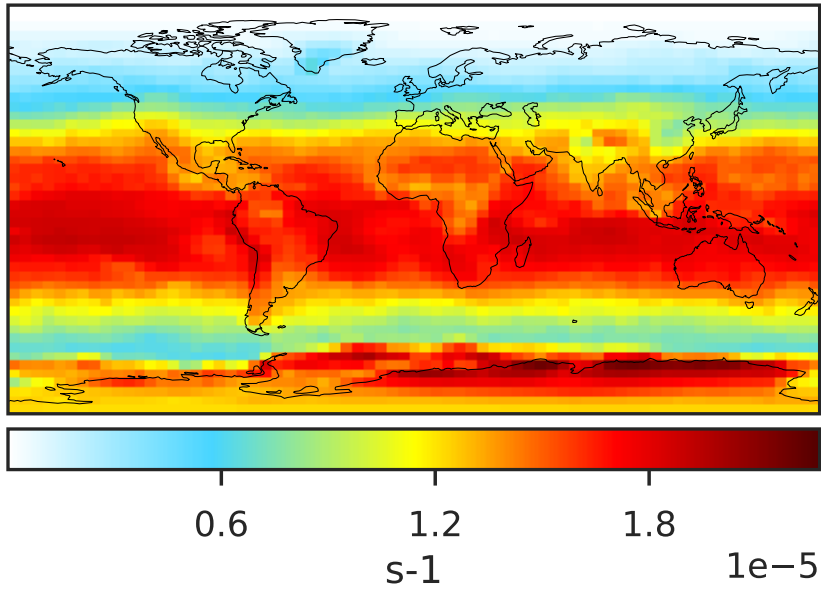


Ratio
Dev/Ref, Fixed Range

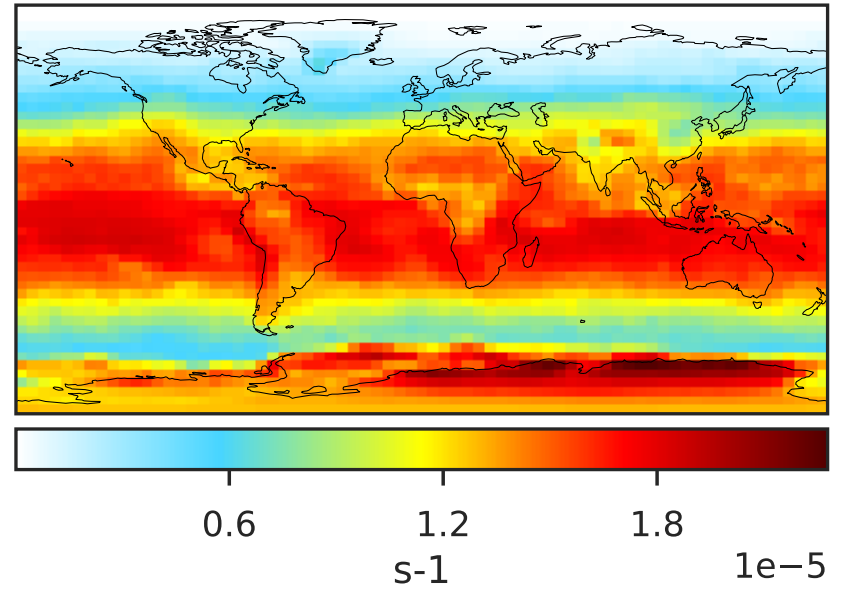


Jval_CINO3 (Oct2019)

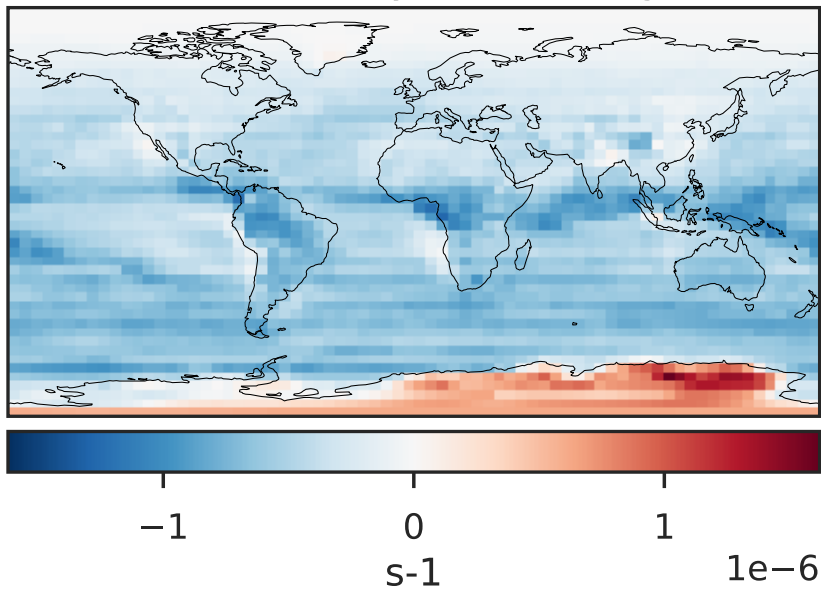
14.2.0-rc.2 (Ref)
4.0x5.0



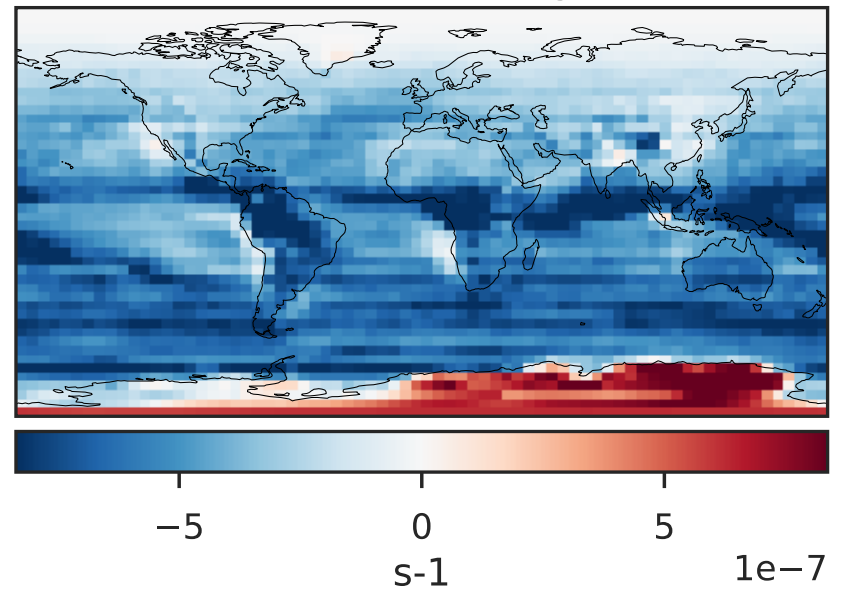
14.3.0-rc.0 (Dev)
4.0x5.0



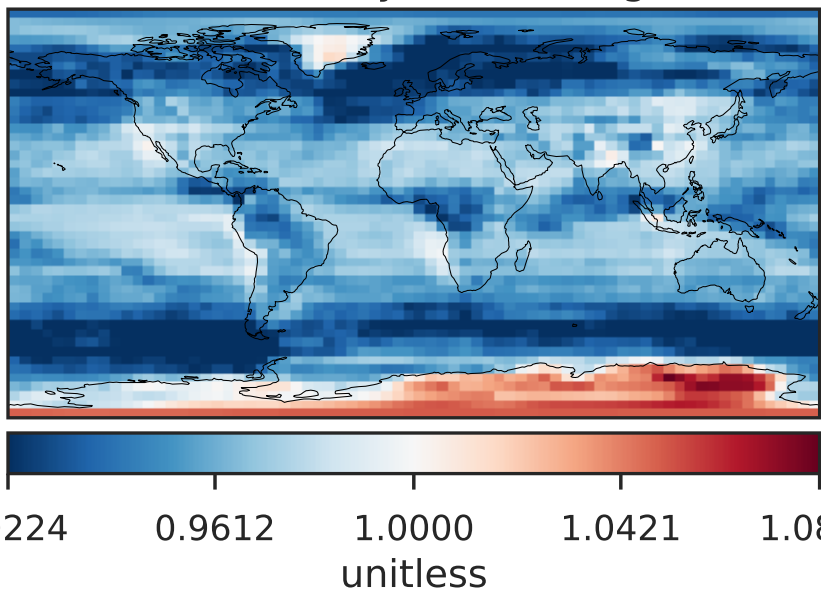
Difference
Dev - Ref, Dynamic Range



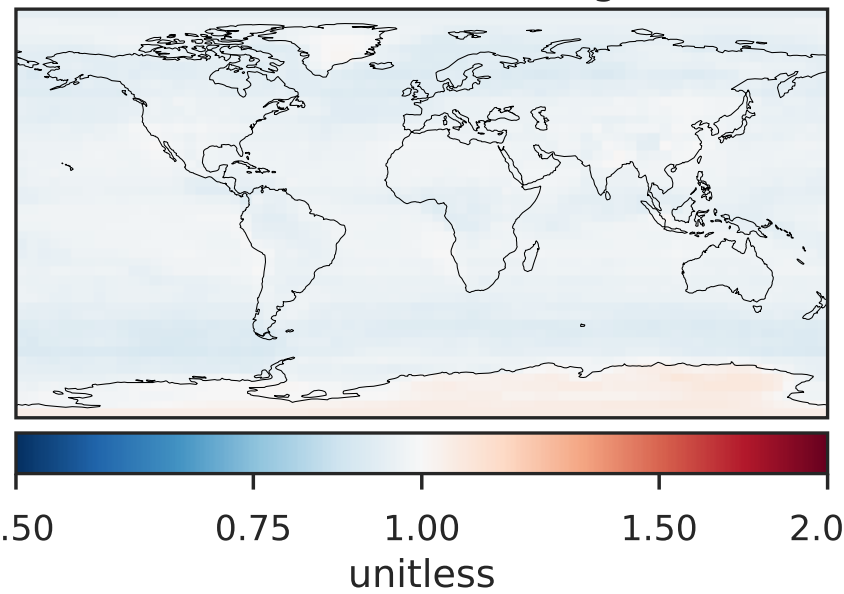
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

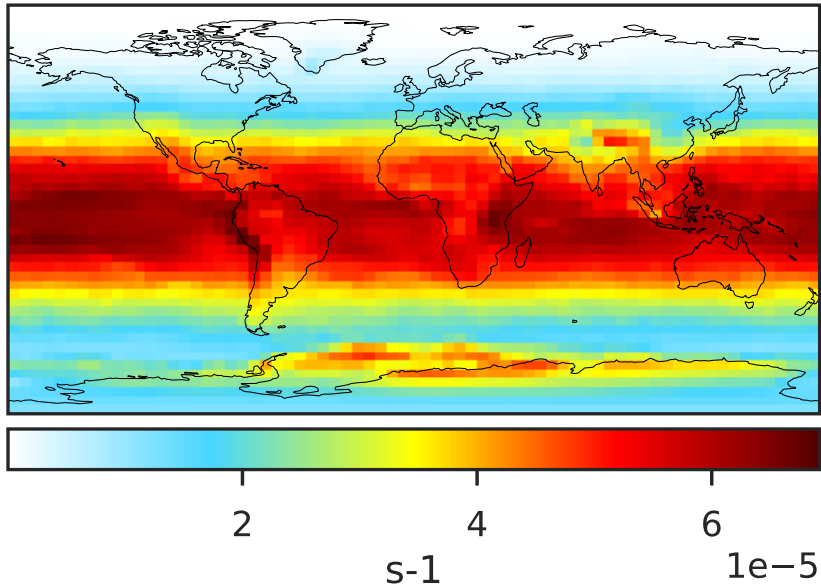


Ratio
Dev/Ref, Fixed Range

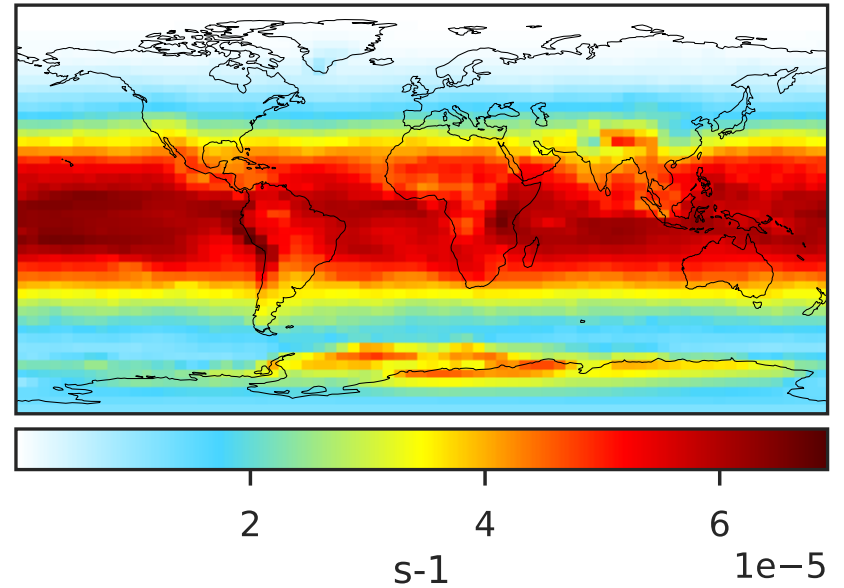


Jval_CIO (Oct2019)

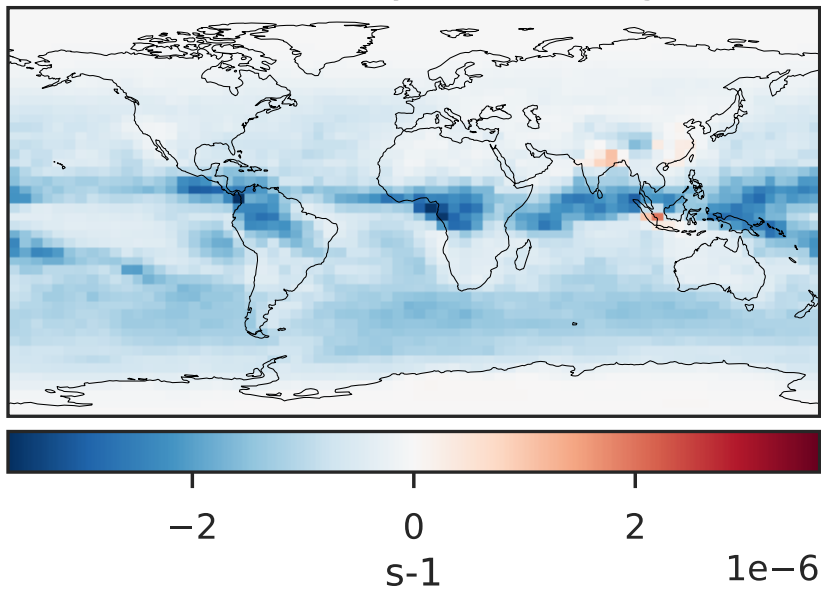
14.2.0-rc.2 (Ref)
4.0x5.0



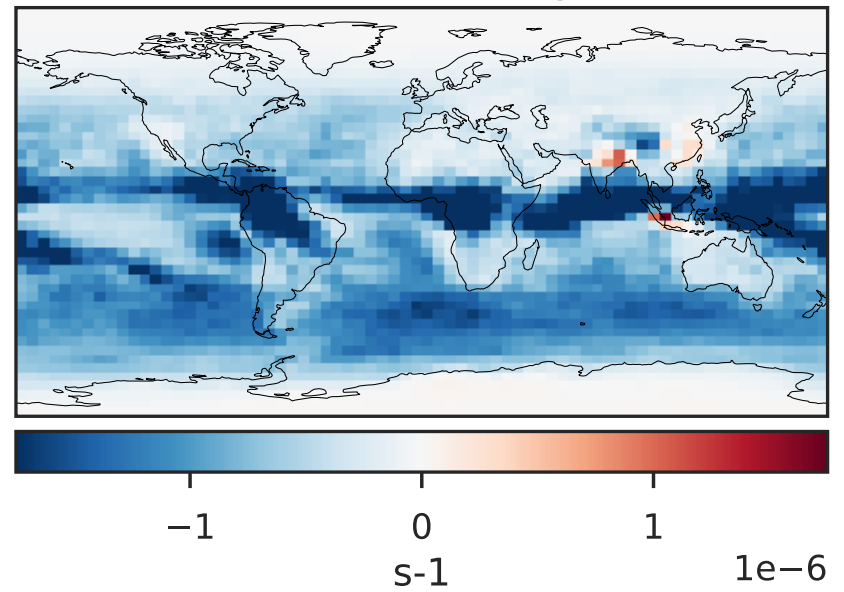
14.3.0-rc.0 (Dev)
4.0x5.0



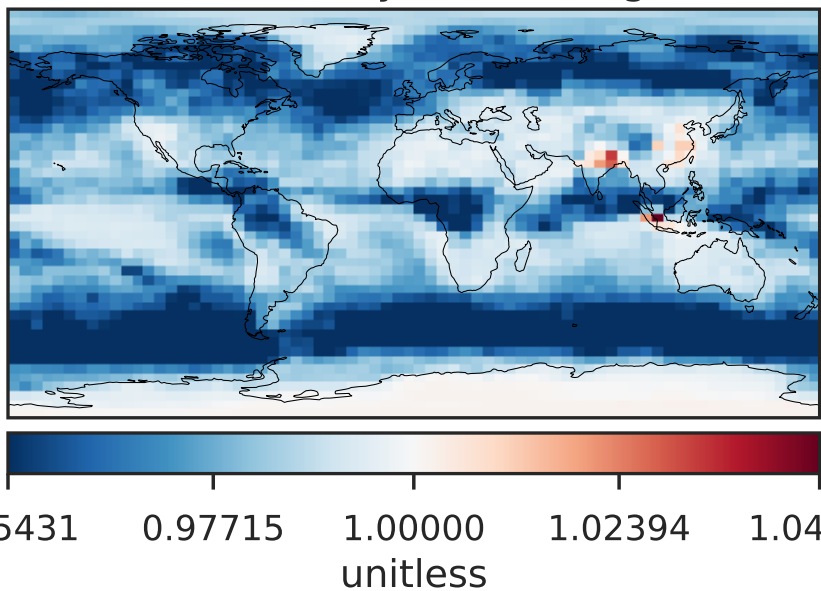
Difference
Dev - Ref, Dynamic Range



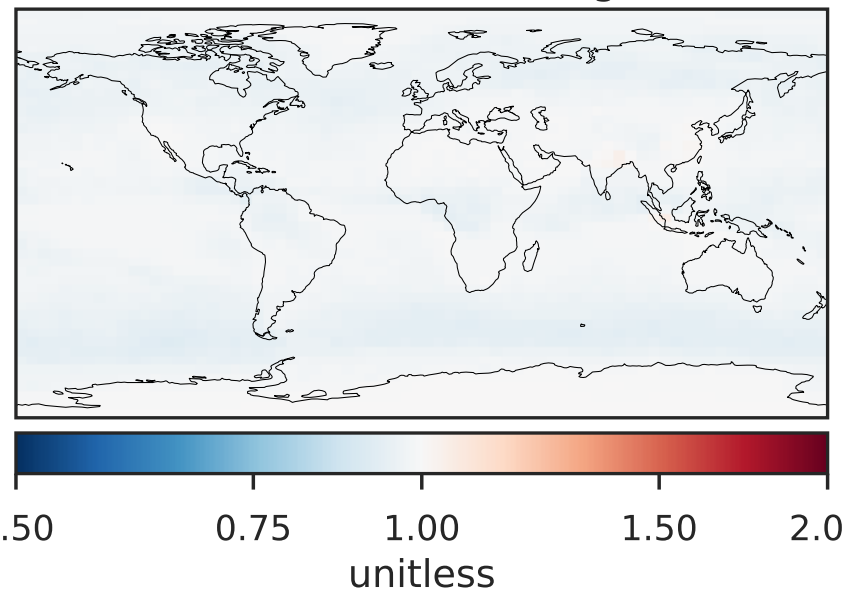
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

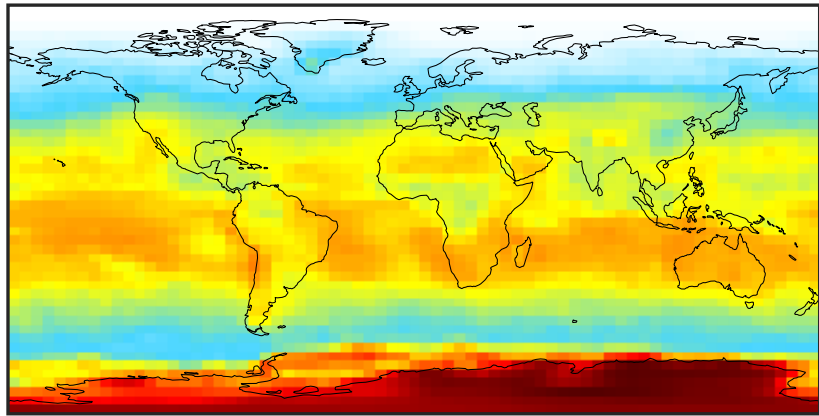


Ratio
Dev/Ref, Fixed Range



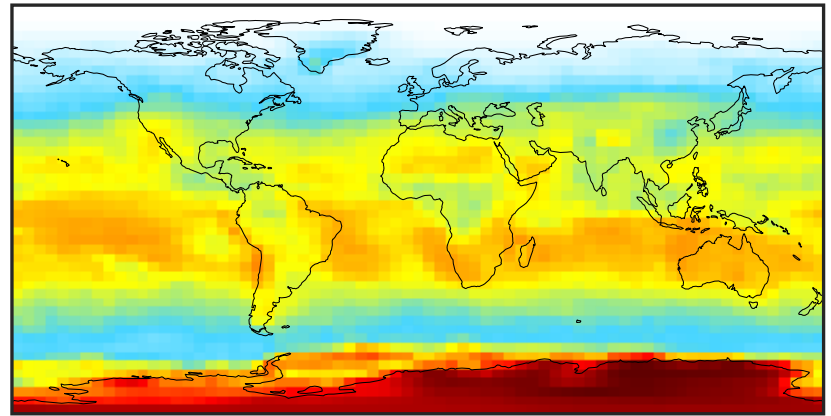
Jval_C100 (Oct2019)

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



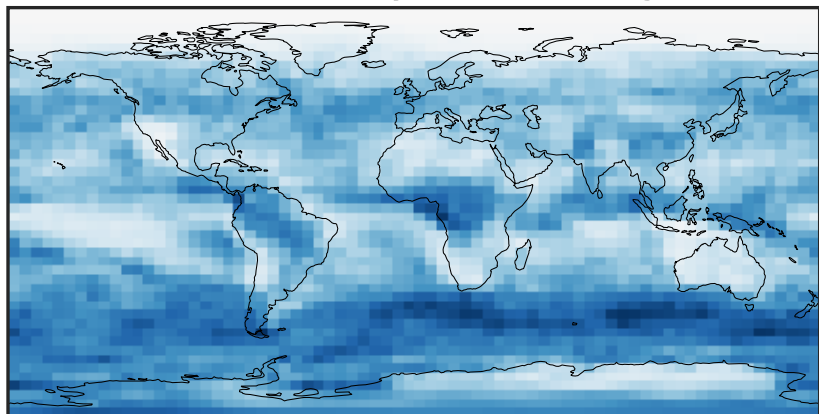
0.0002 0.0945 0.1888 0.2832 0.3775
s-1

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



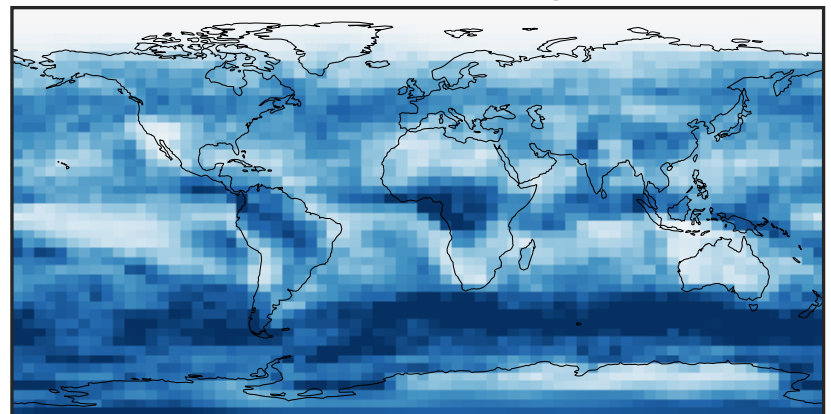
0.0002 0.0945 0.1888 0.2832 0.3775
s-1

Difference
Dev - Ref, Dynamic Range



-0.008 0.000 0.008
s-1

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



-0.006 0.000 0.006
s-1

Ratio
Dev/Ref, Dynamic Range



0.997832 0.998916 1.000000 1.001086 1.002172
unitless

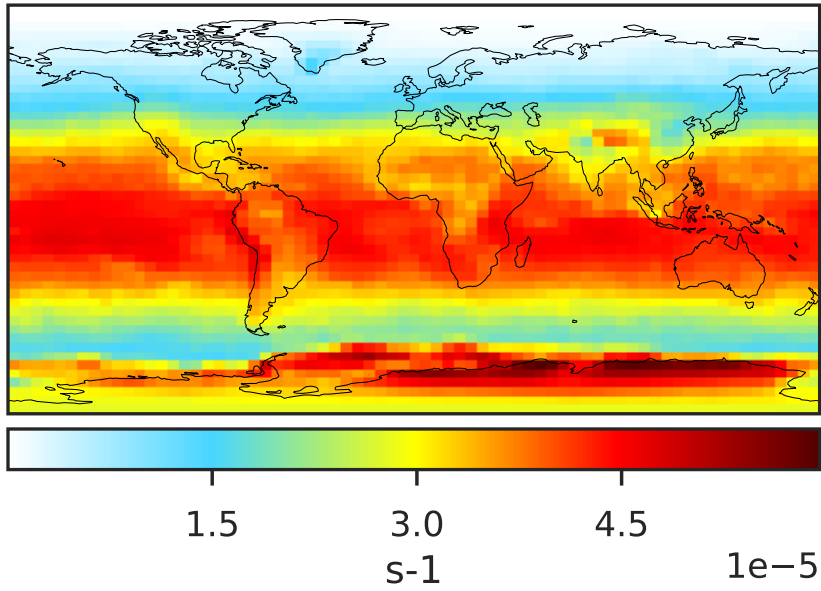
Ratio
Dev/Ref, Fixed Range



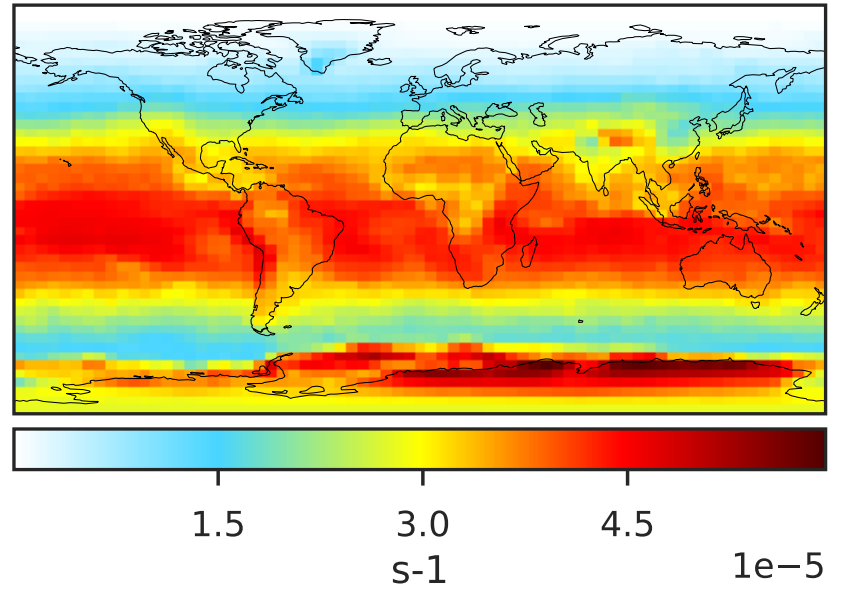
0.50 0.75 1.00 1.50 2.00
unitless

Jval_ETHLN (Oct2019)

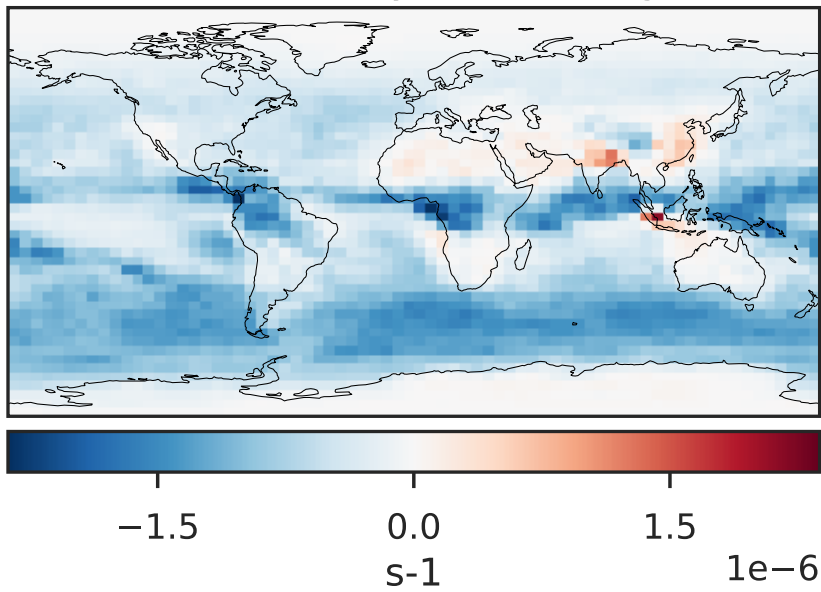
14.2.0-rc.2 (Ref)
4.0x5.0



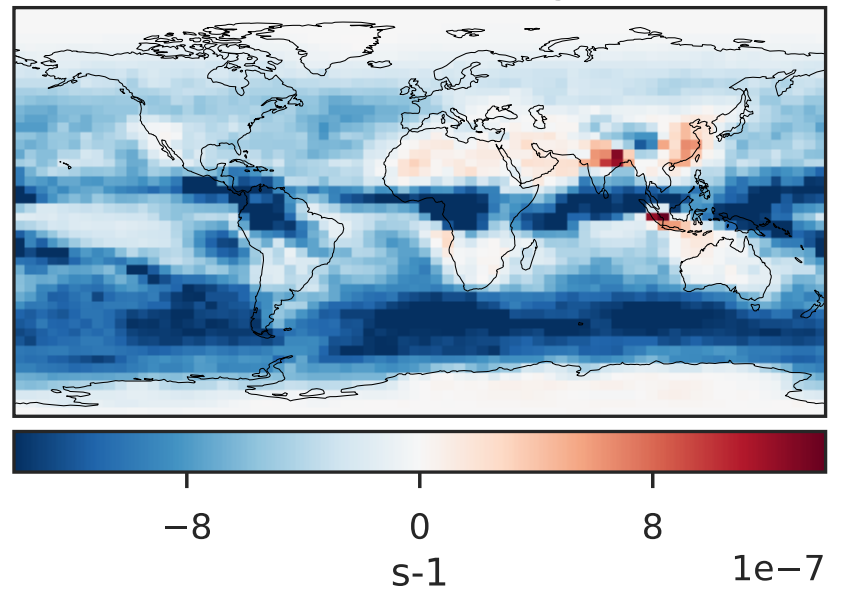
14.3.0-rc.0 (Dev)
4.0x5.0



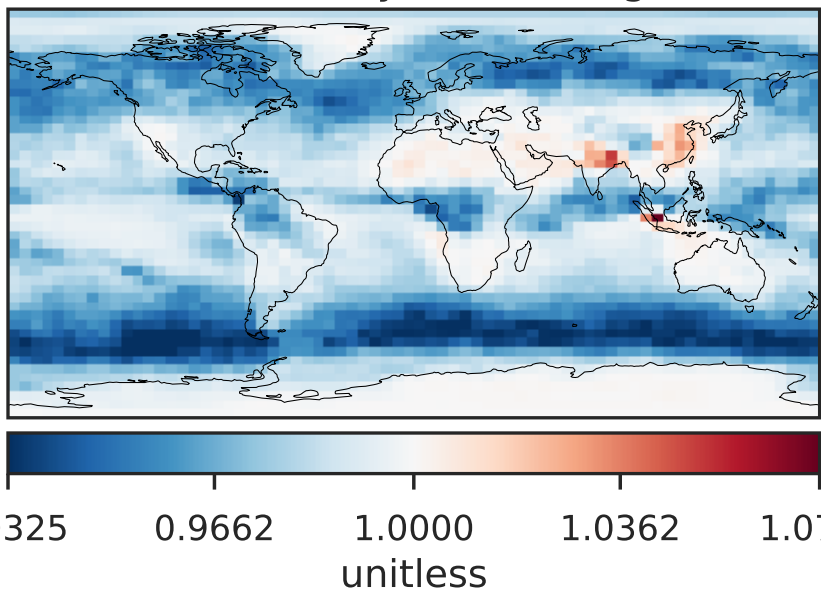
Difference
Dev - Ref, Dynamic Range



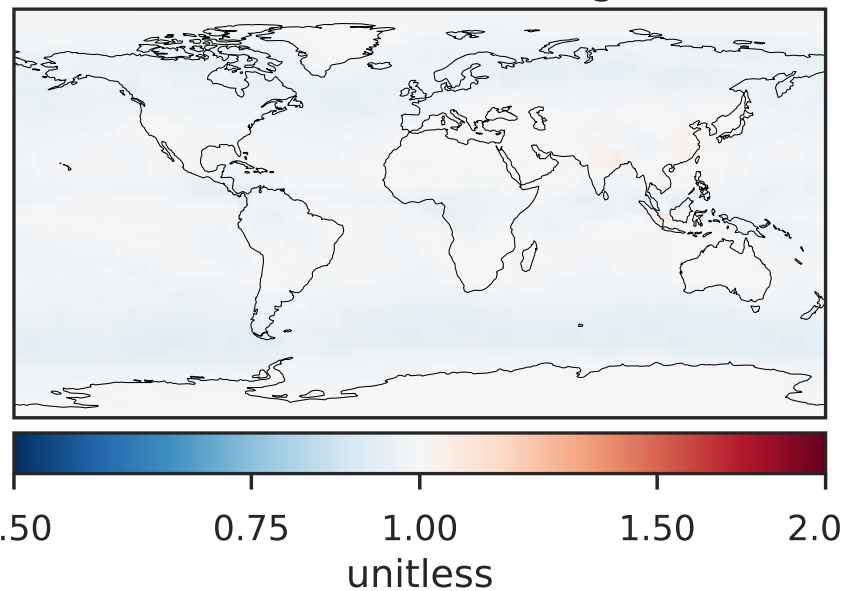
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

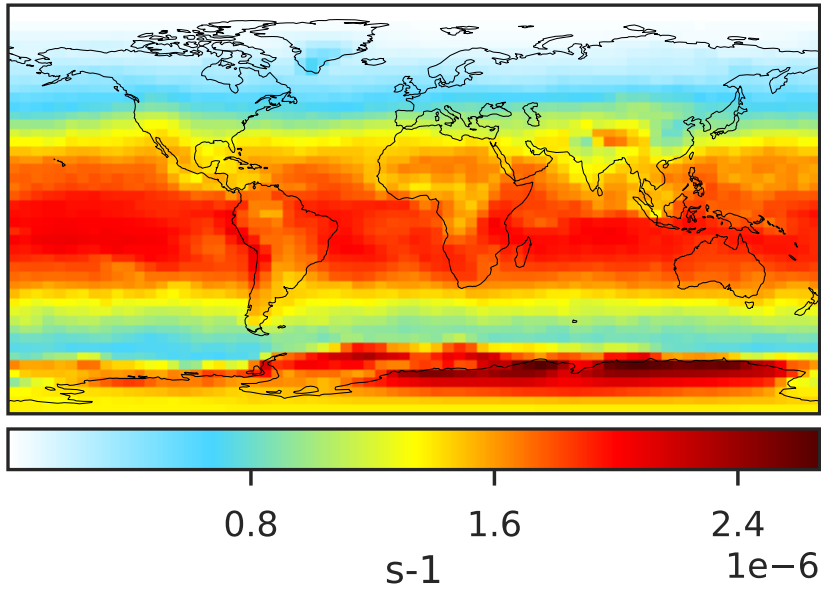


Ratio
Dev/Ref, Fixed Range

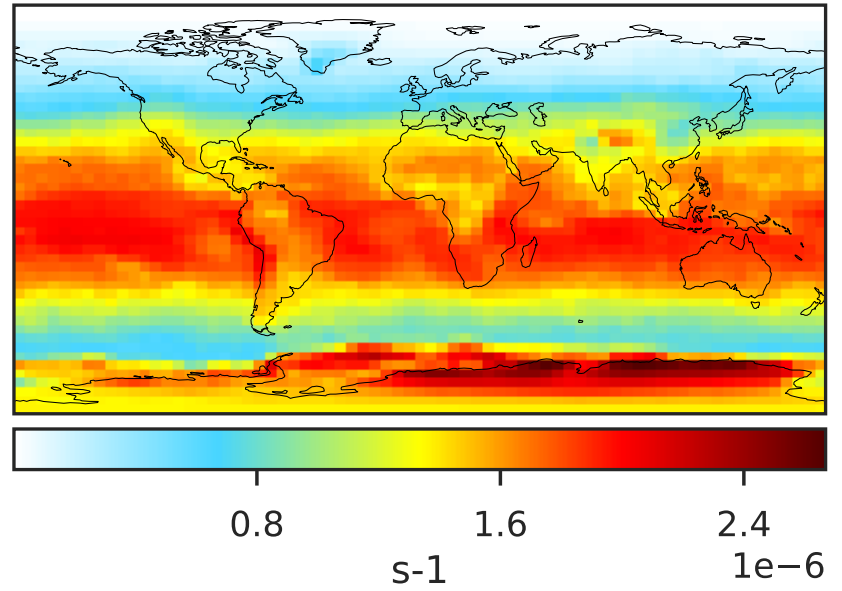


Jval_ETHP (Oct2019)

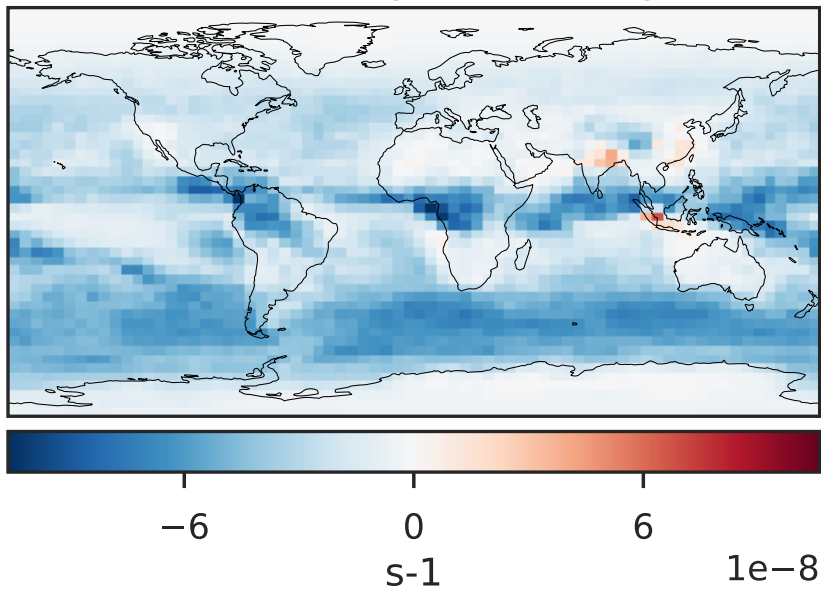
14.2.0-rc.2 (Ref)
4.0x5.0



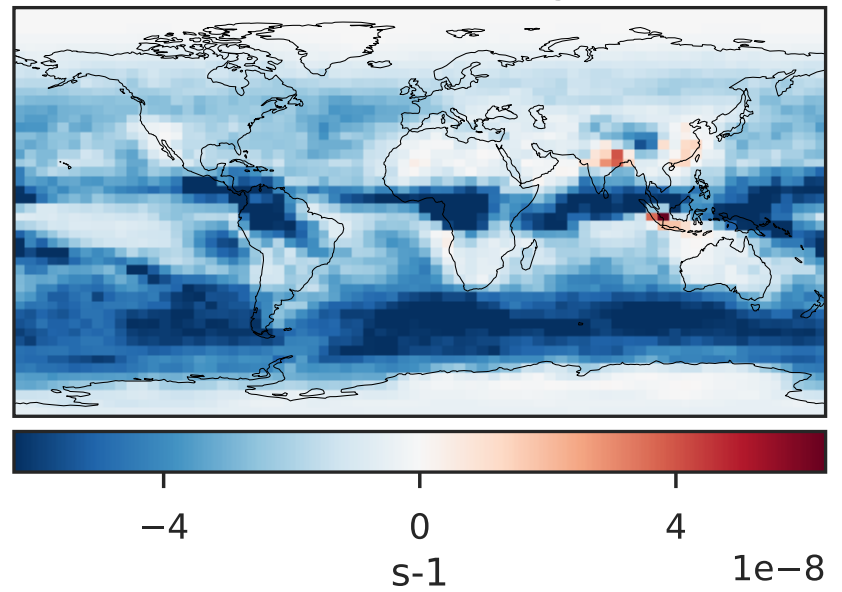
14.3.0-rc.0 (Dev)
4.0x5.0



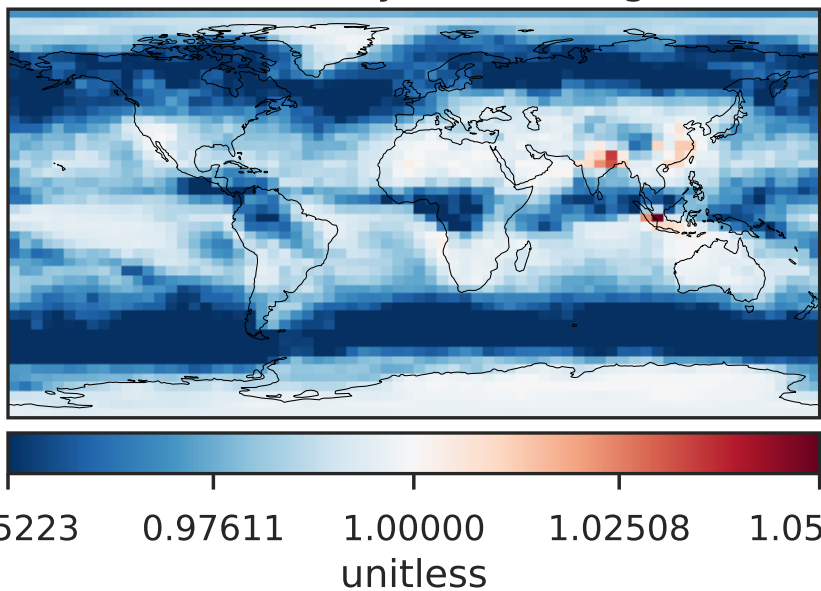
Difference
Dev - Ref, Dynamic Range



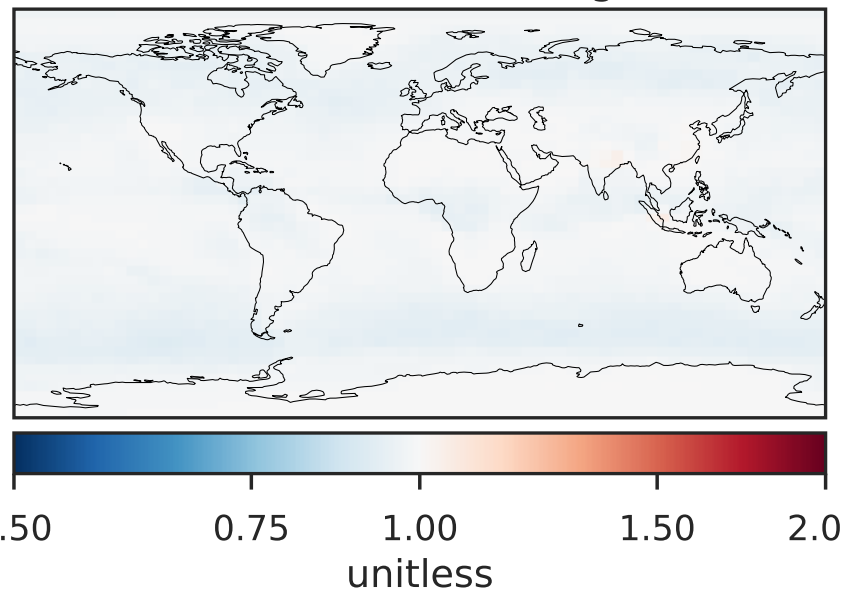
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

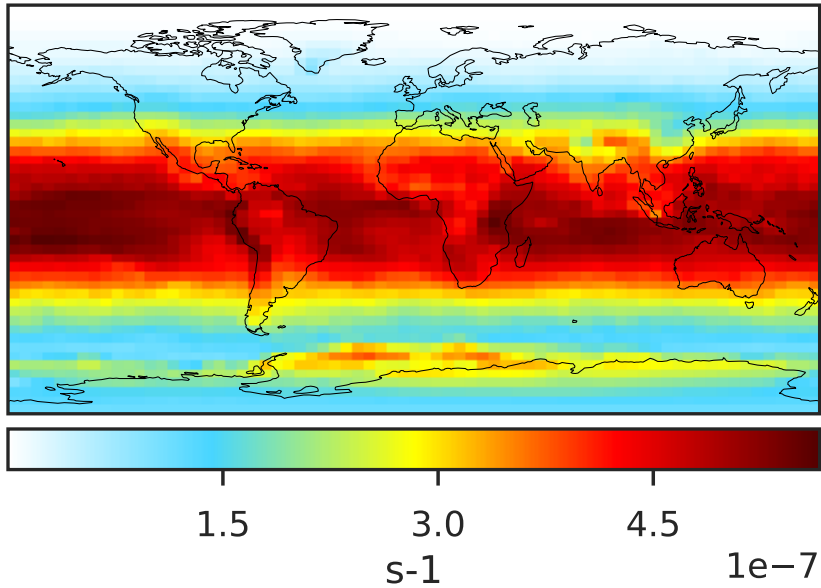


Ratio
Dev/Ref, Fixed Range

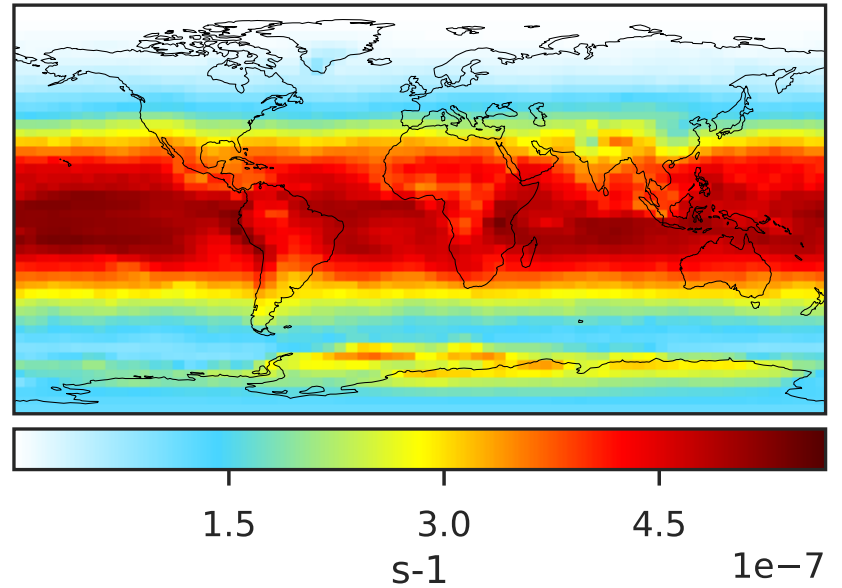


Jval_ETNO3 (Oct2019)

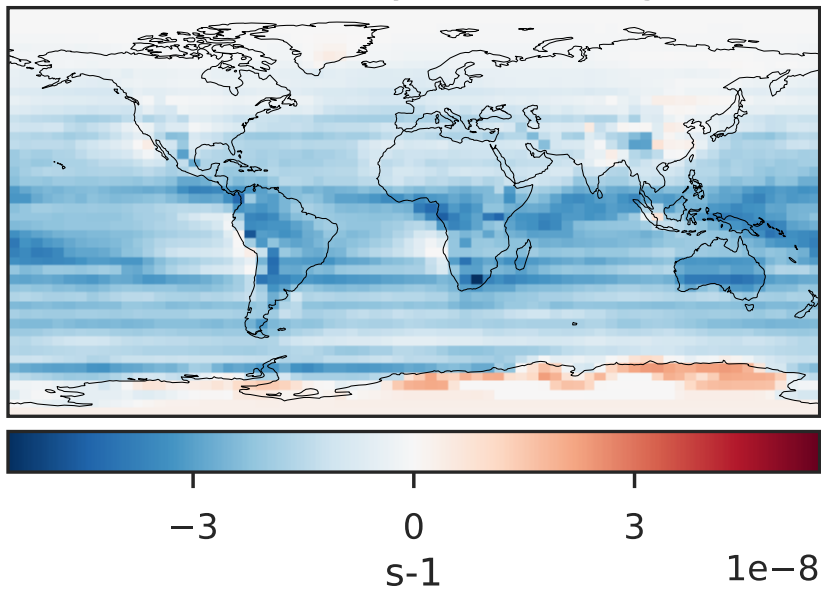
14.2.0-rc.2 (Ref)
4.0x5.0



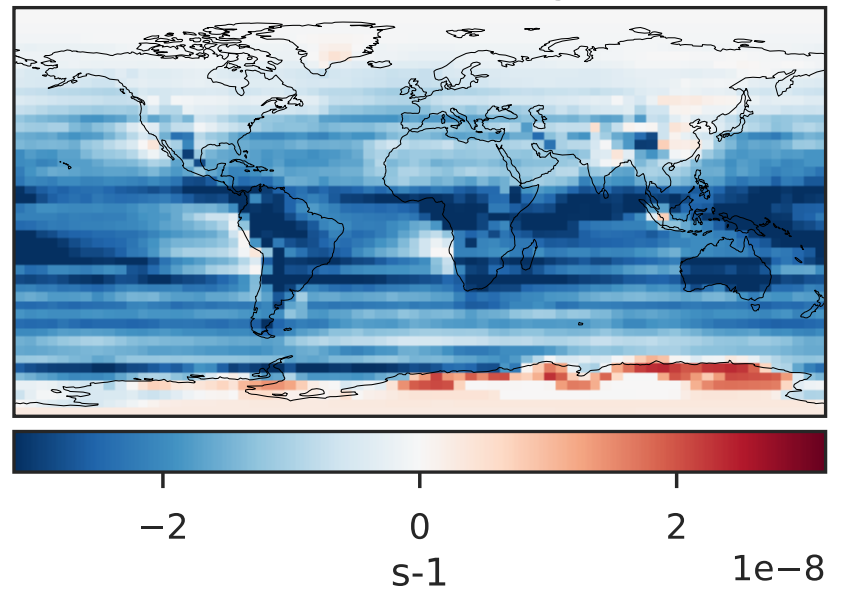
14.3.0-rc.0 (Dev)
4.0x5.0



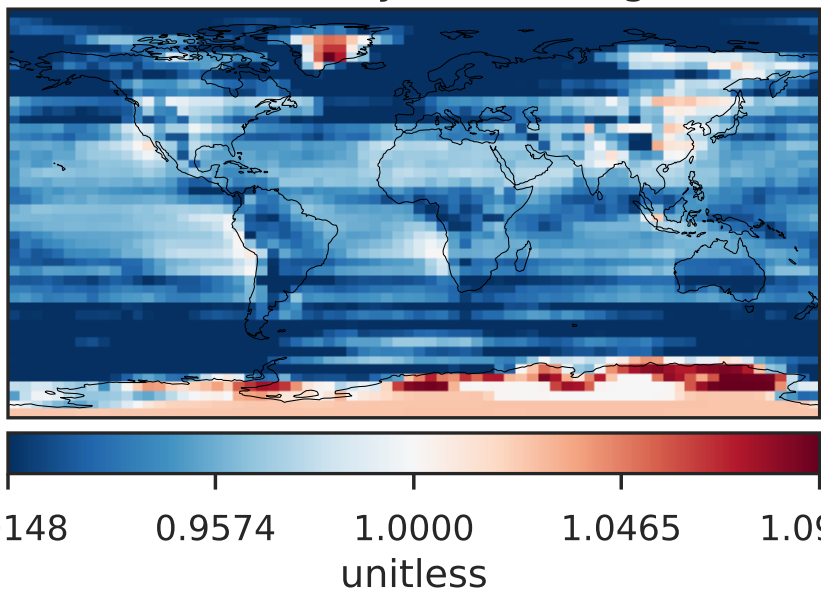
Difference
Dev - Ref, Dynamic Range



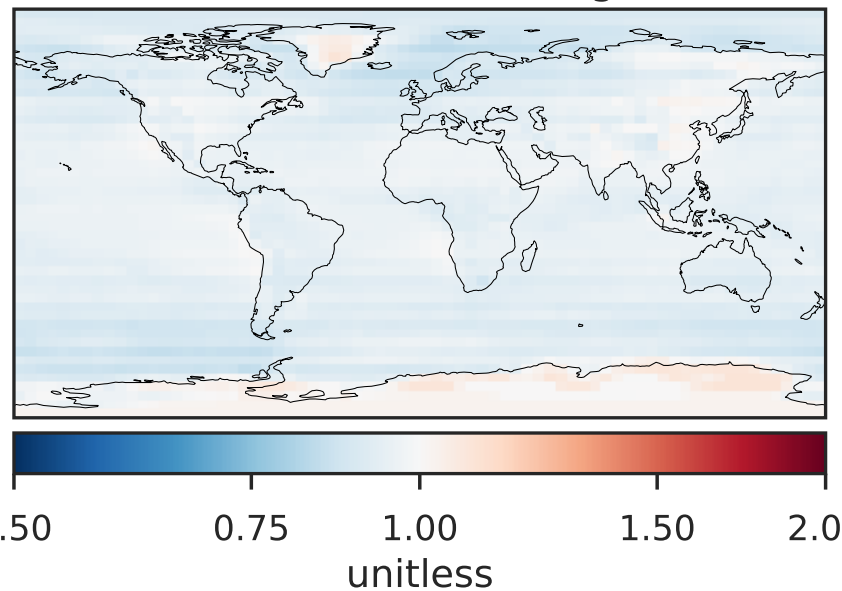
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

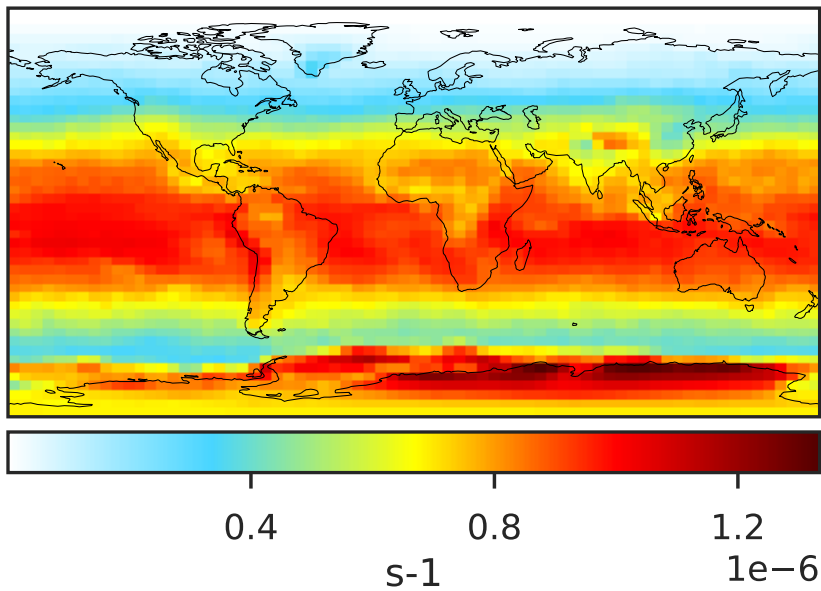


Ratio
Dev/Ref, Fixed Range

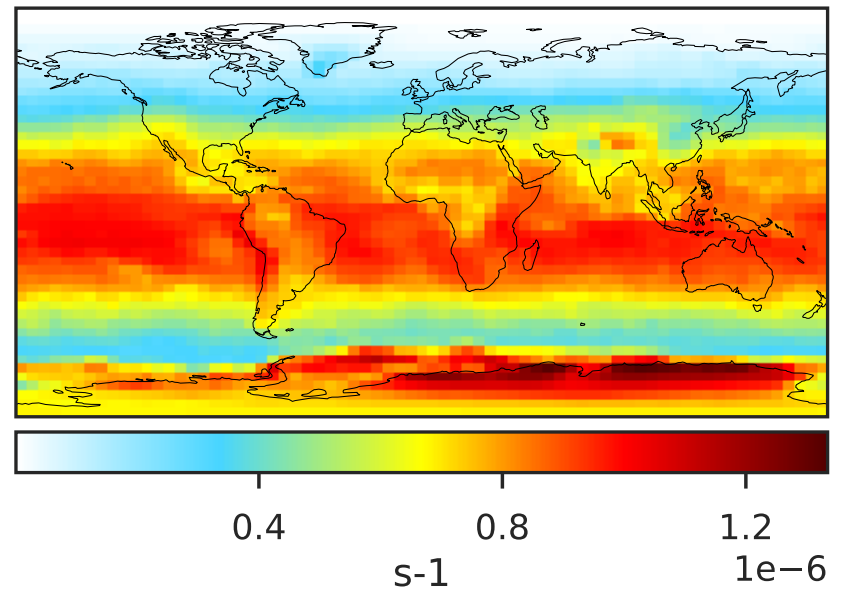


Jval_ETP (Oct2019)

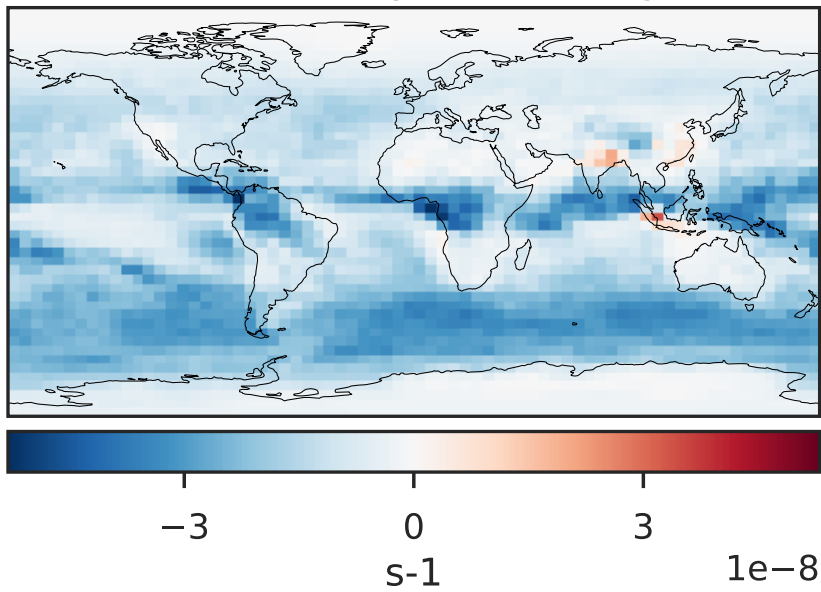
14.2.0-rc.2 (Ref)
4.0x5.0



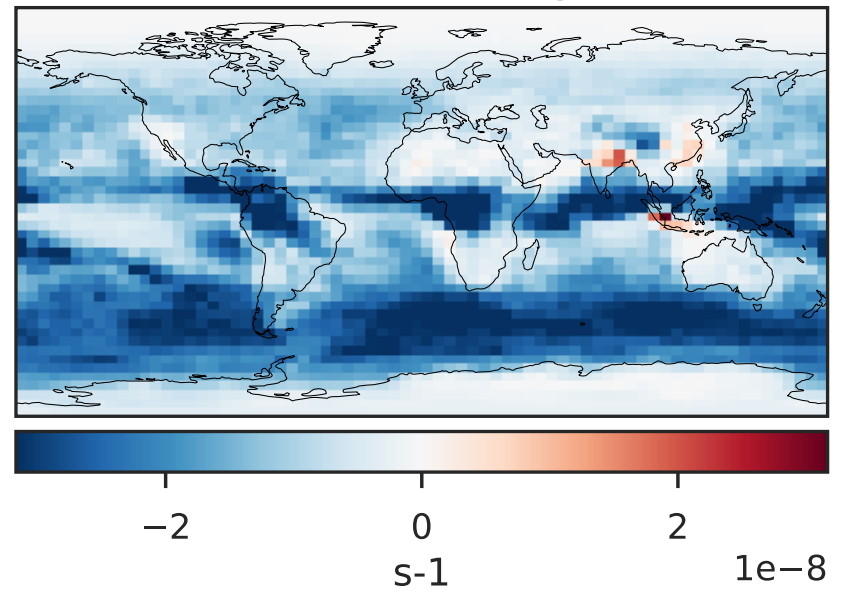
14.3.0-rc.0 (Dev)
4.0x5.0



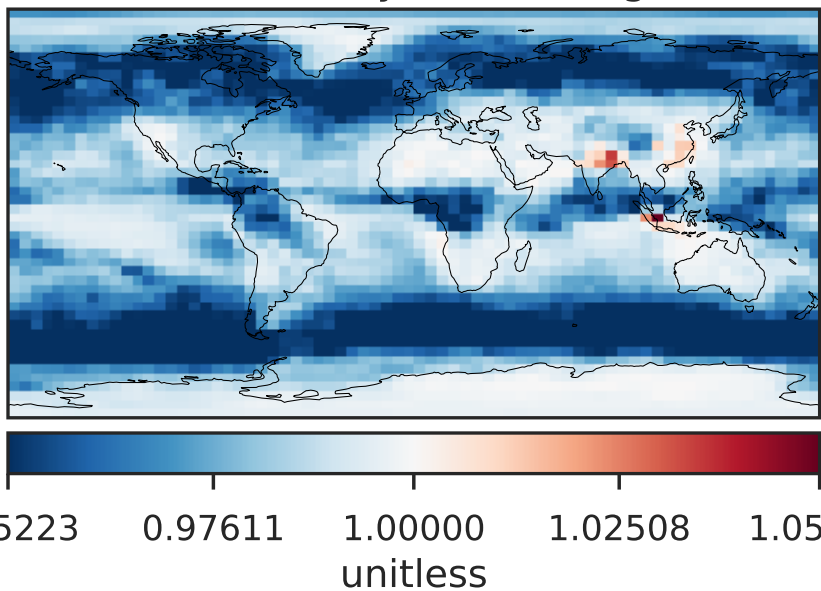
Difference
Dev - Ref, Dynamic Range



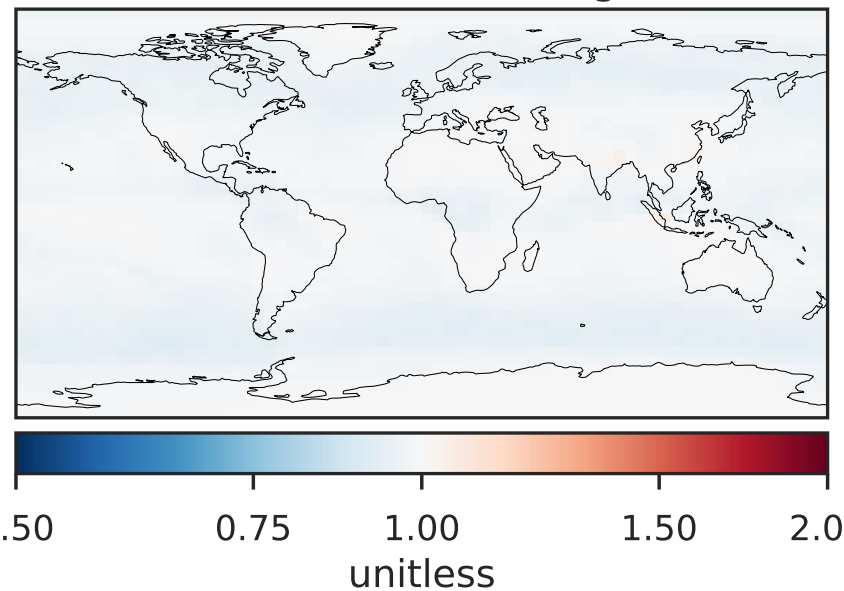
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

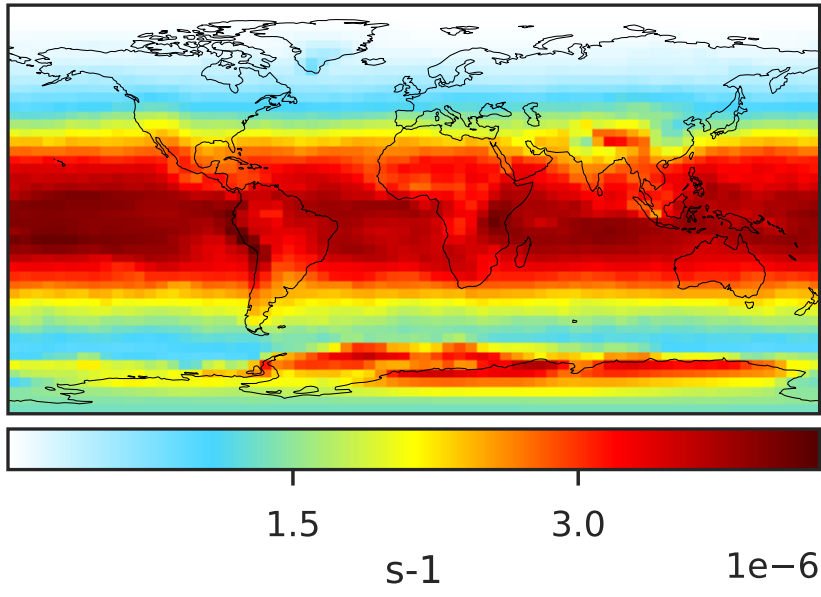


Ratio
Dev/Ref, Fixed Range

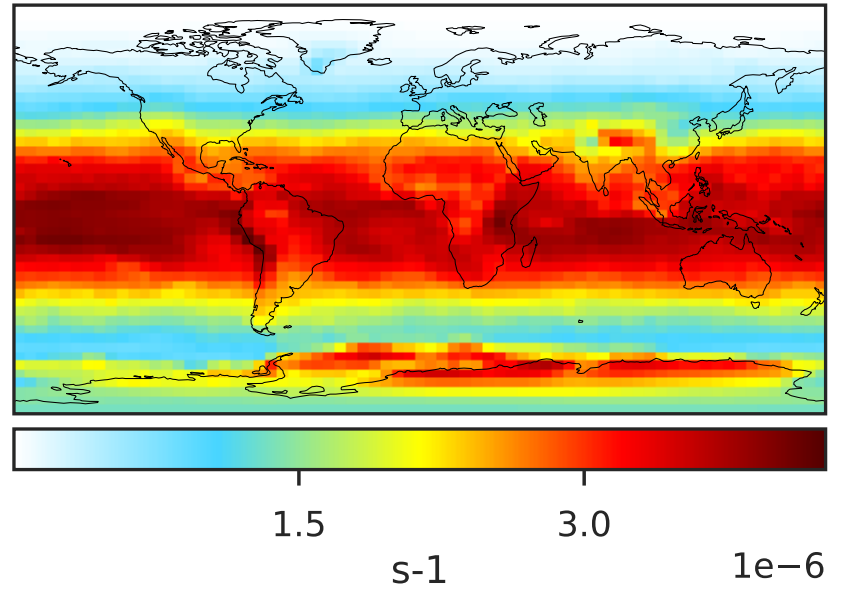


Jval_GLYC (Oct2019)

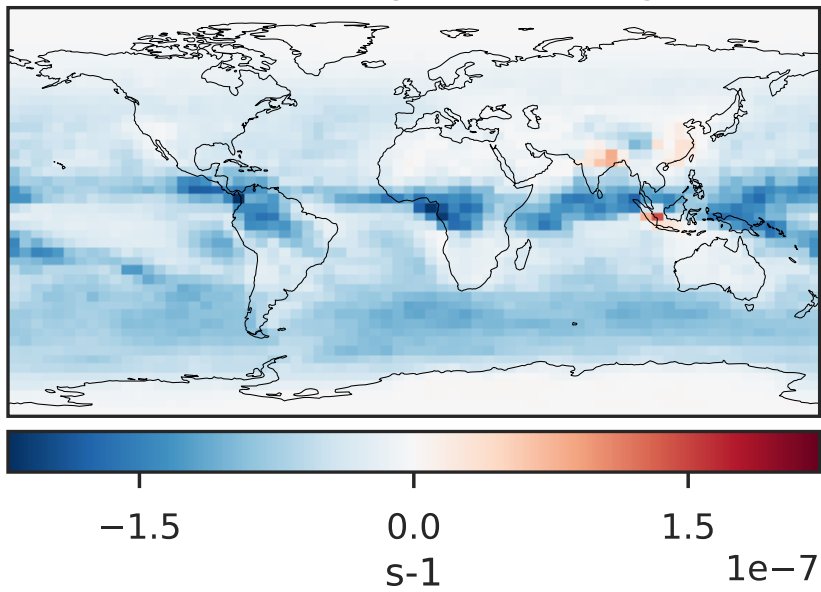
14.2.0-rc.2 (Ref)
4.0x5.0



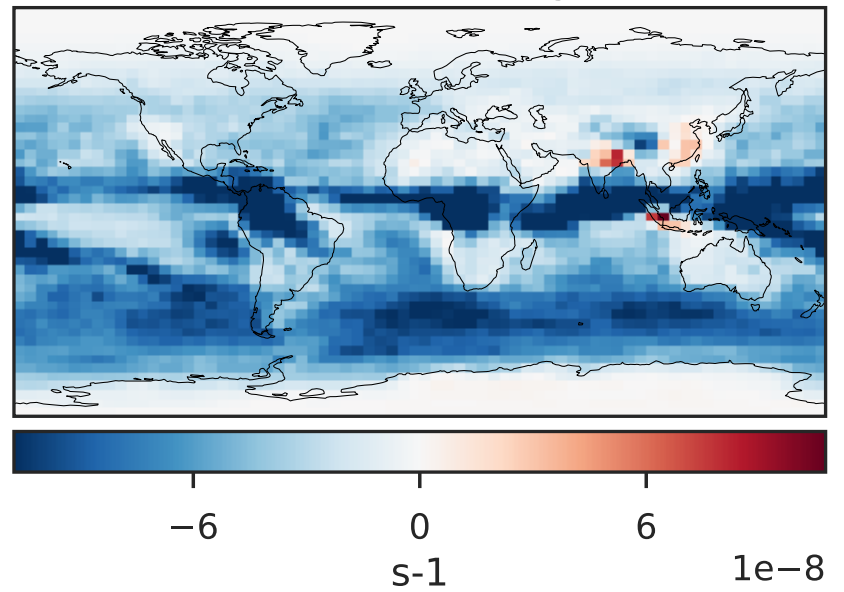
14.3.0-rc.0 (Dev)
4.0x5.0



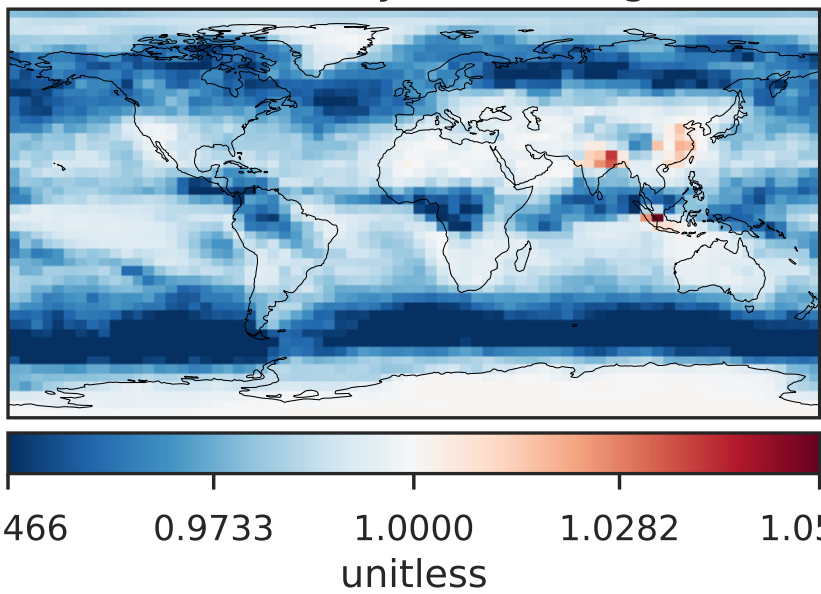
Difference
Dev - Ref, Dynamic Range



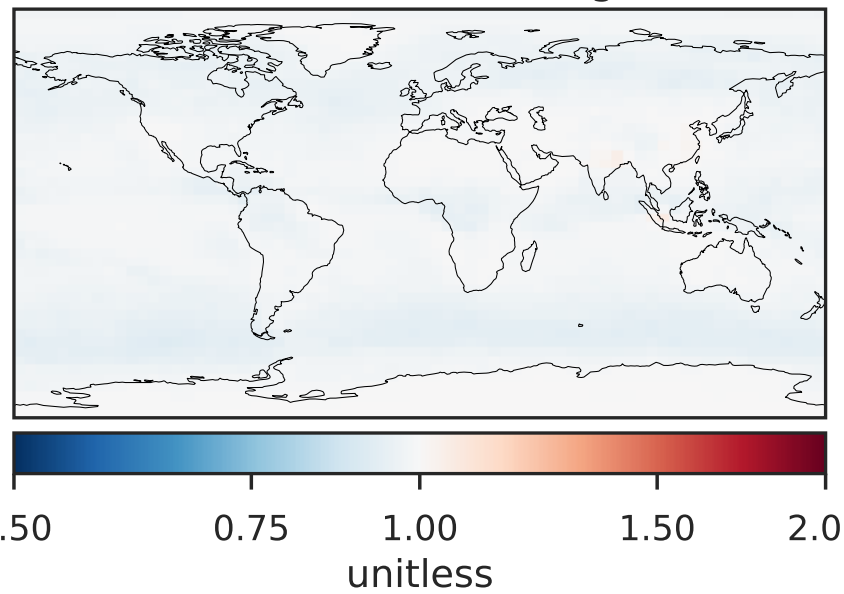
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

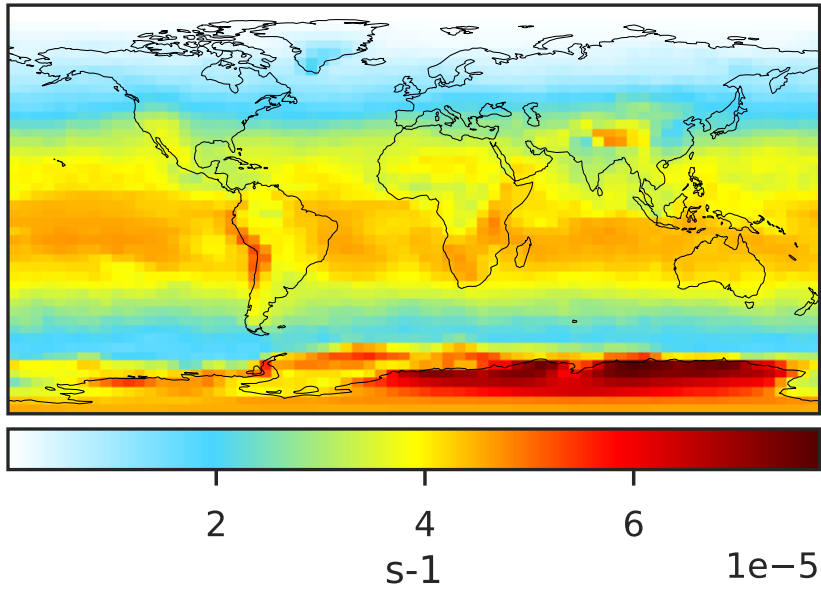


Ratio
Dev/Ref, Fixed Range

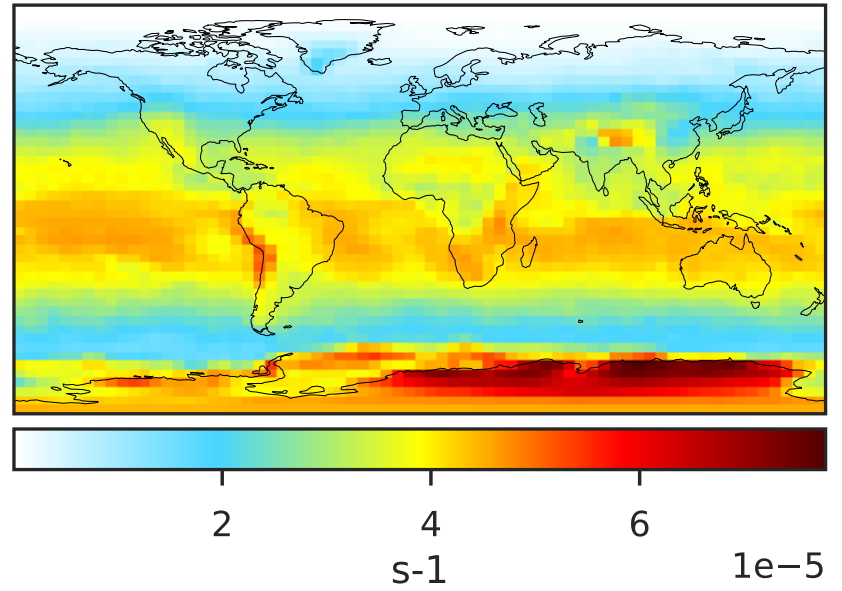


Jval_GLYX (Oct2019)

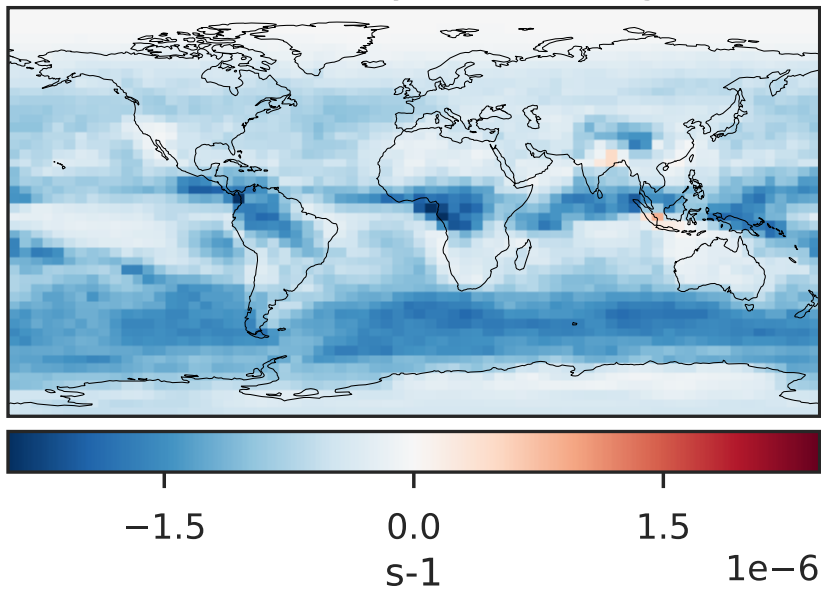
14.2.0-rc.2 (Ref)
4.0x5.0



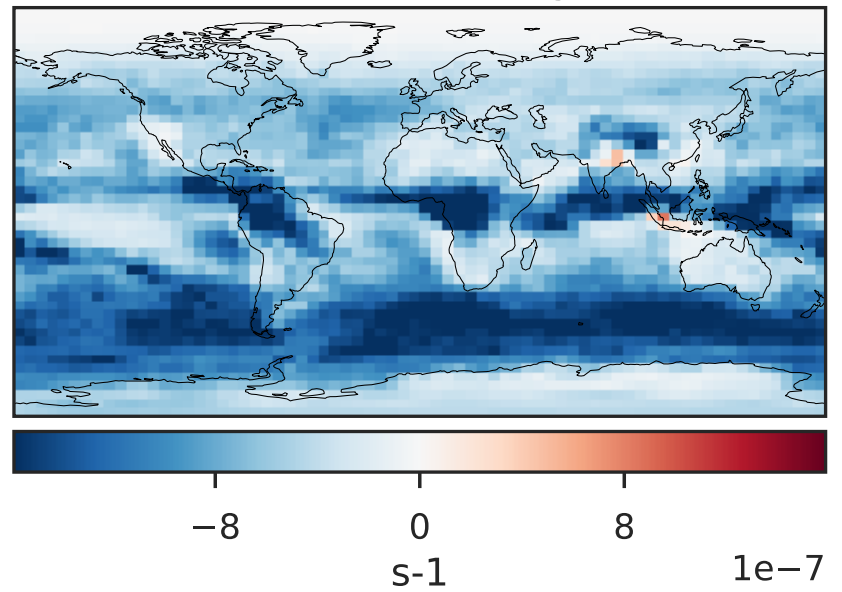
14.3.0-rc.0 (Dev)
4.0x5.0



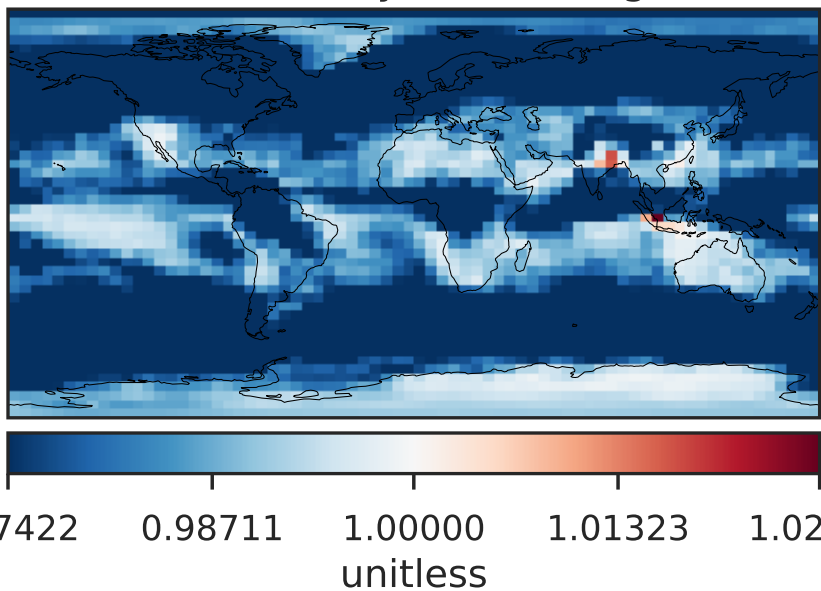
Difference
Dev - Ref, Dynamic Range



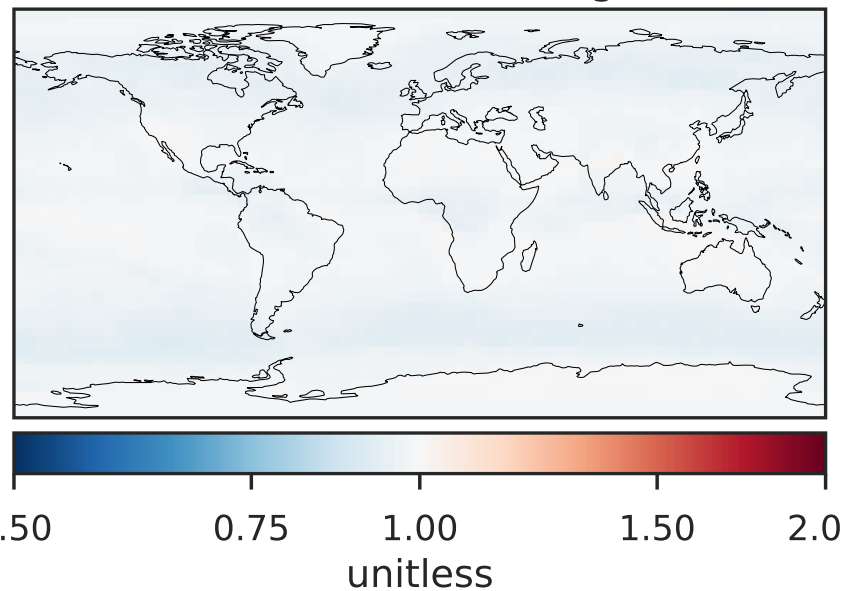
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

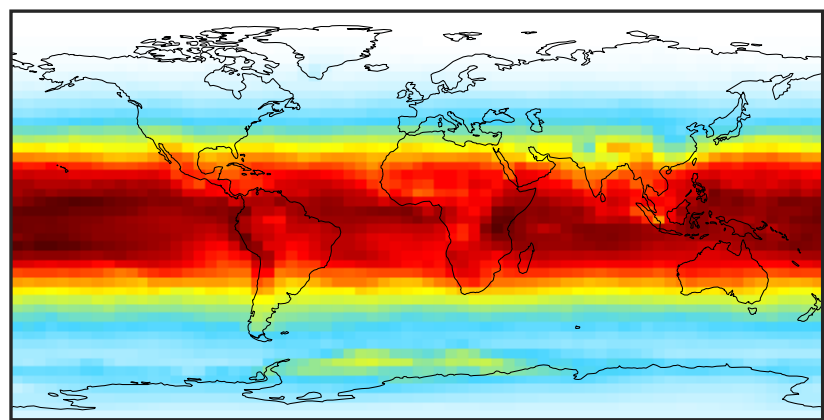


Ratio
Dev/Ref, Fixed Range



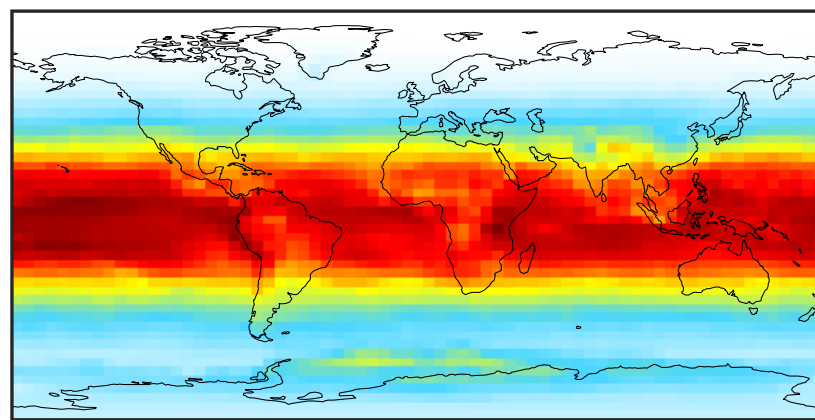
Jval_H1211 (Oct2019)

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



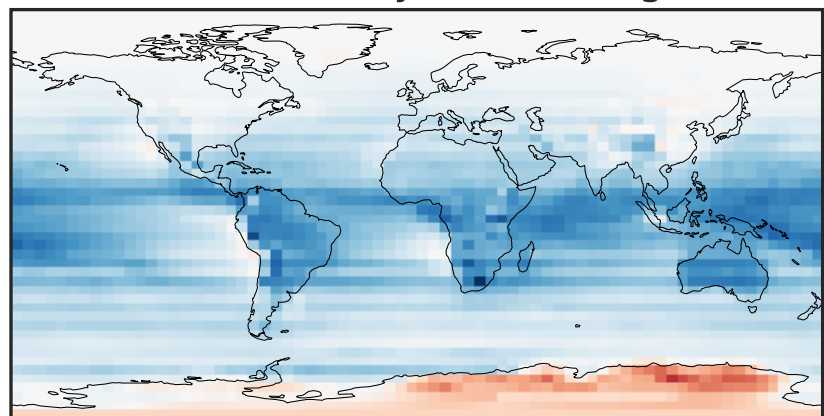
0.5 1.0 1.5
s-1 $1e-9$

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



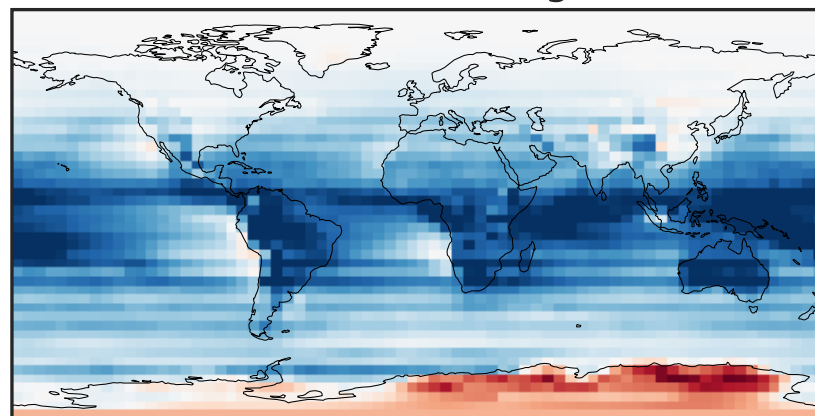
0.5 1.0 1.5
s-1 $1e-9$

Difference
Dev - Ref, Dynamic Range



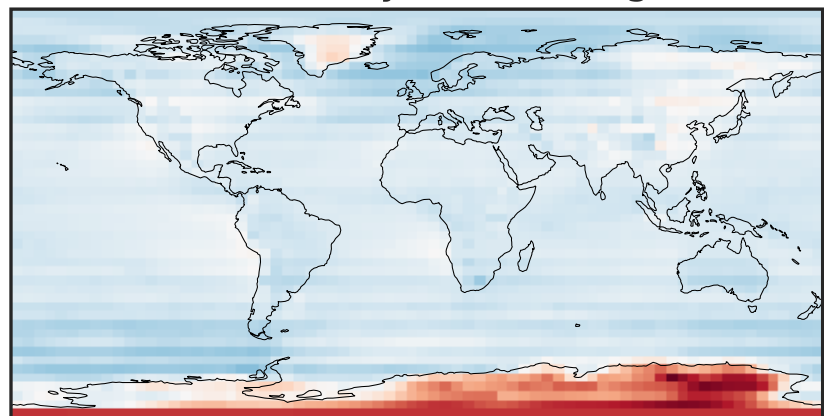
-1.5 0.0 1.5
s-1 $1e-10$

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



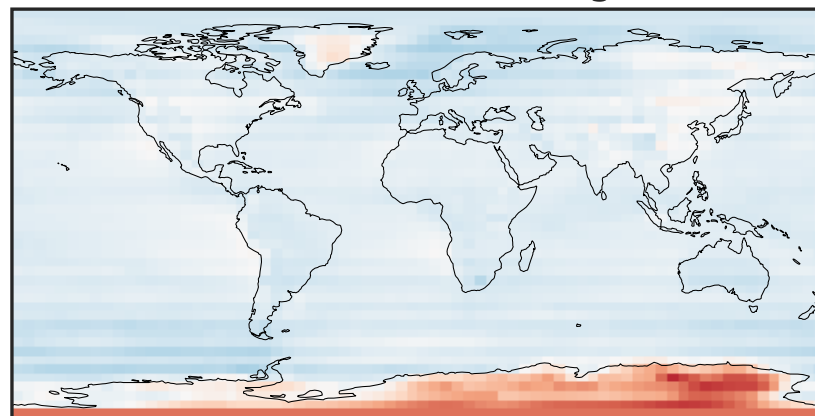
-8 0 8
s-1 $1e-11$

Ratio
Dev/Ref, Dynamic Range



0.593 0.796 1.000 1.343 1.687
unitless

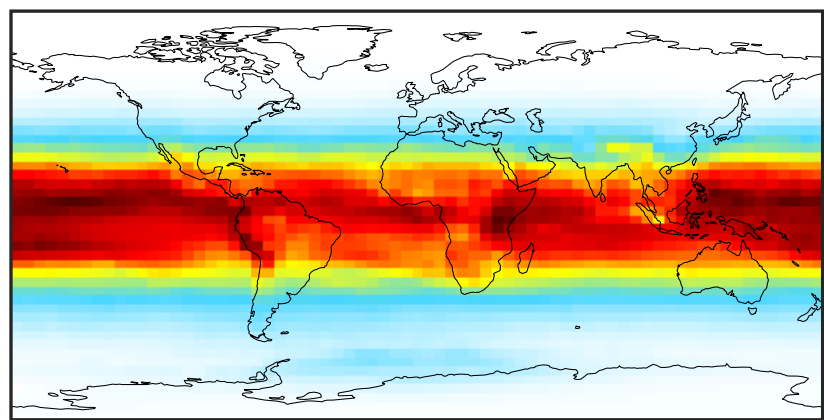
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

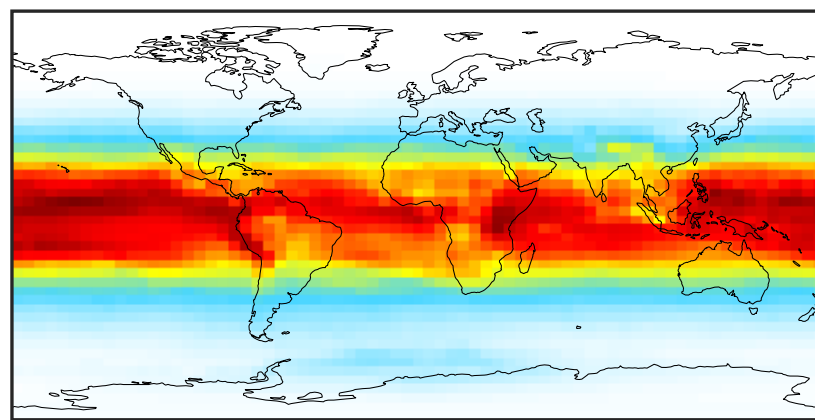
Jval_H1301 (Oct2019)

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



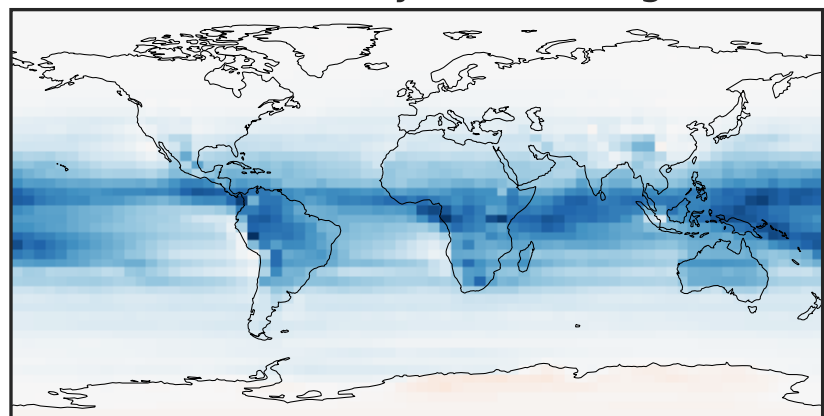
0.4 0.8 1.2
s-1 $1e-12$

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



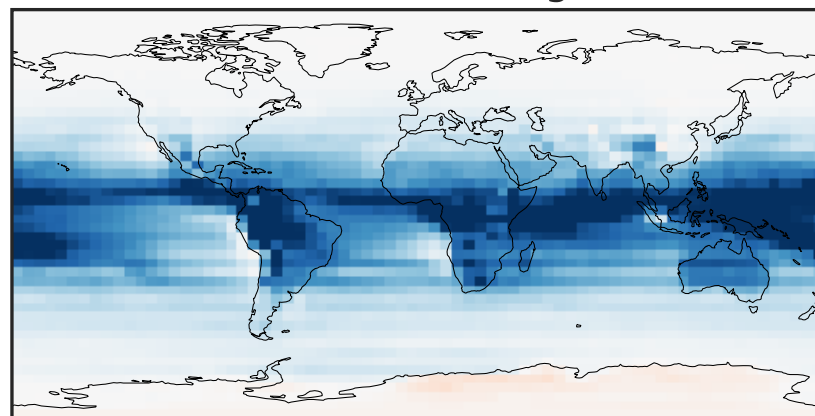
0.4 0.8 1.2
s-1 $1e-12$

Difference
Dev - Ref, Dynamic Range



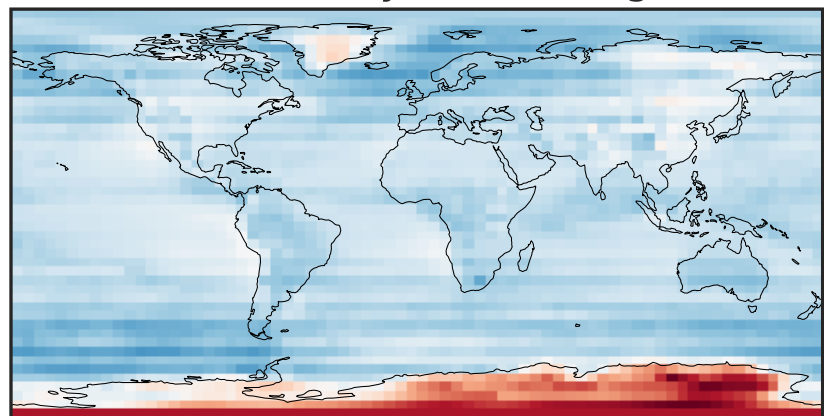
-6 0 6
s-1 $1e-14$

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



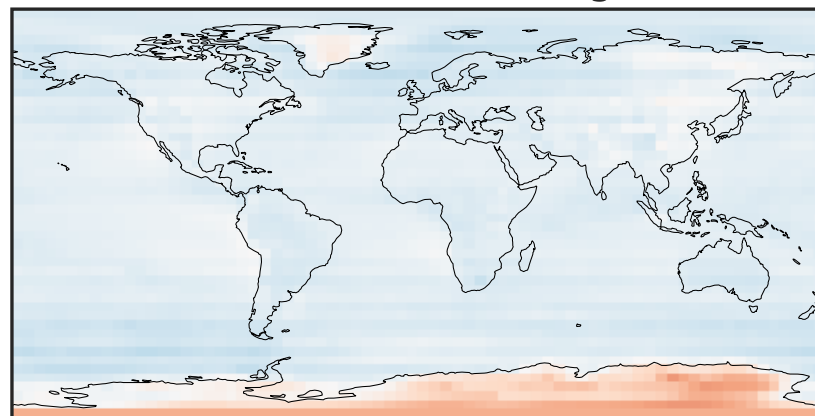
-4 0 4
s-1 $1e-14$

Ratio
Dev/Ref, Dynamic Range



0.7398 0.8699 1.0000 1.1758 1.3516
unitless

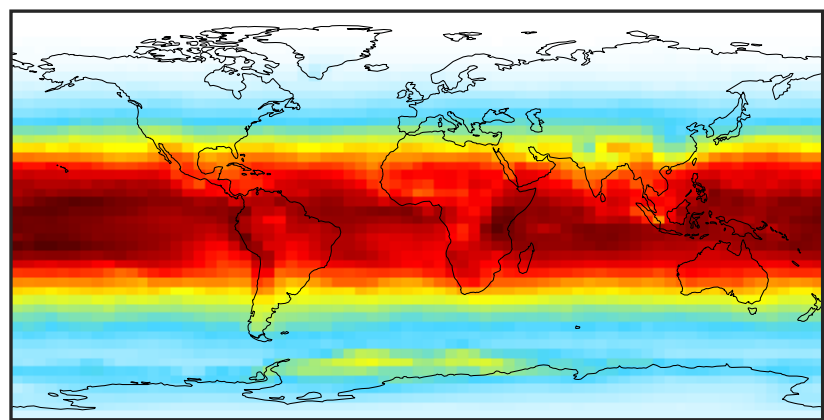
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

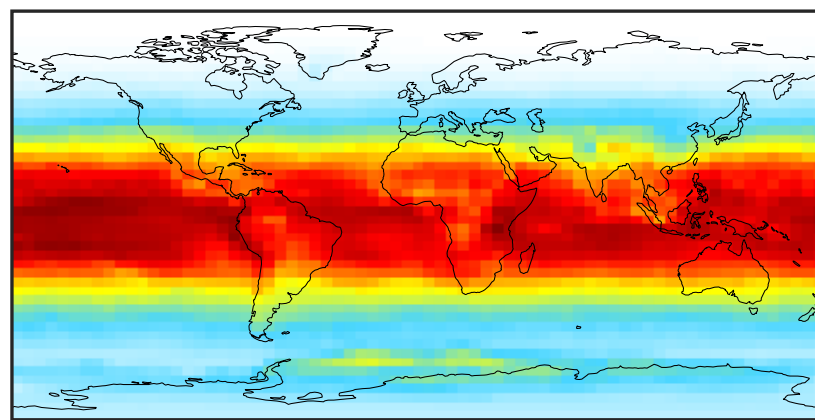
Jval_H2402 (Oct2019)

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



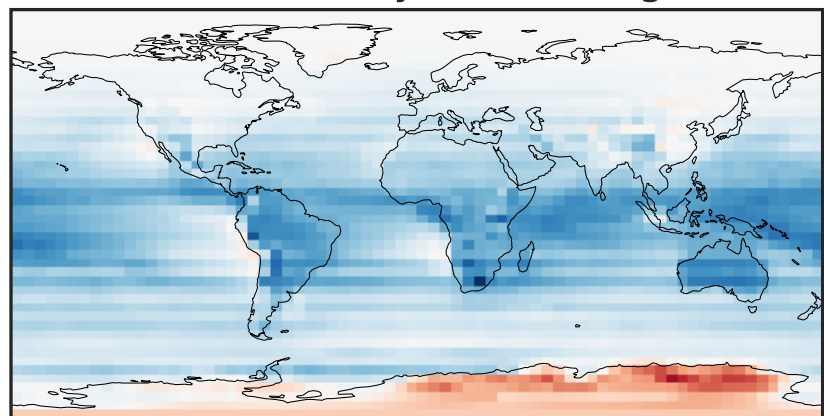
3 6 9
s-1 1e-10

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



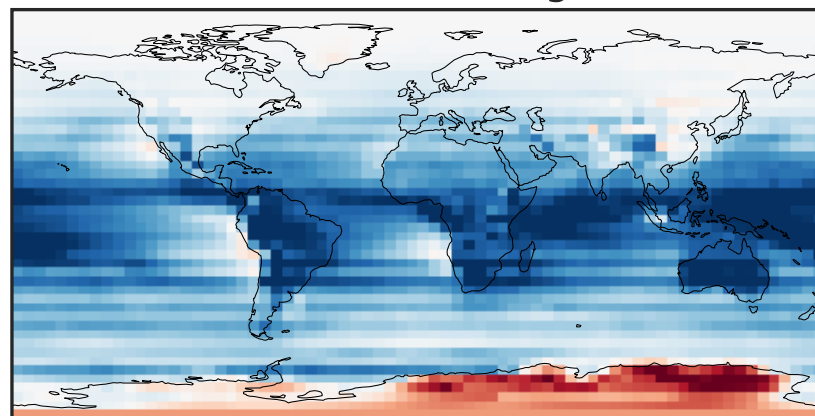
3 6 9
s-1 1e-10

Difference
Dev - Ref, Dynamic Range



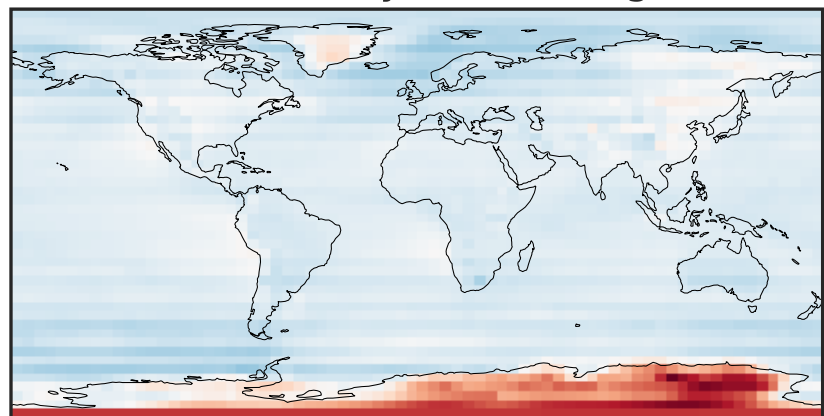
-8 0 8
s-1 1e-11

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



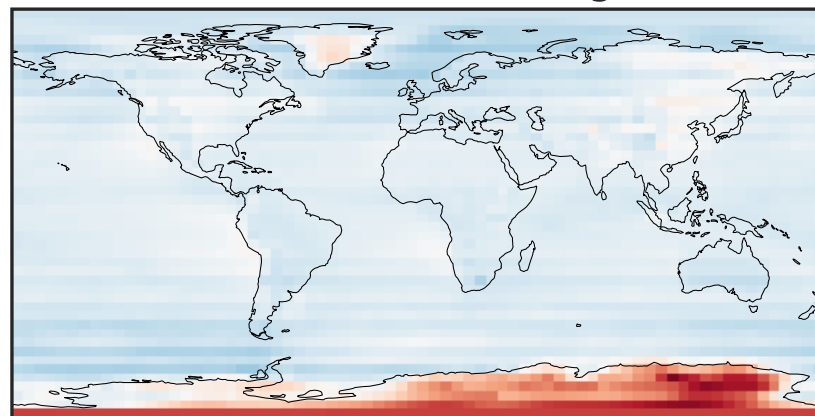
-5 0 5
s-1 1e-11

Ratio
Dev/Ref, Dynamic Range



0.518 0.759 1.000 1.465 1.931
unitless

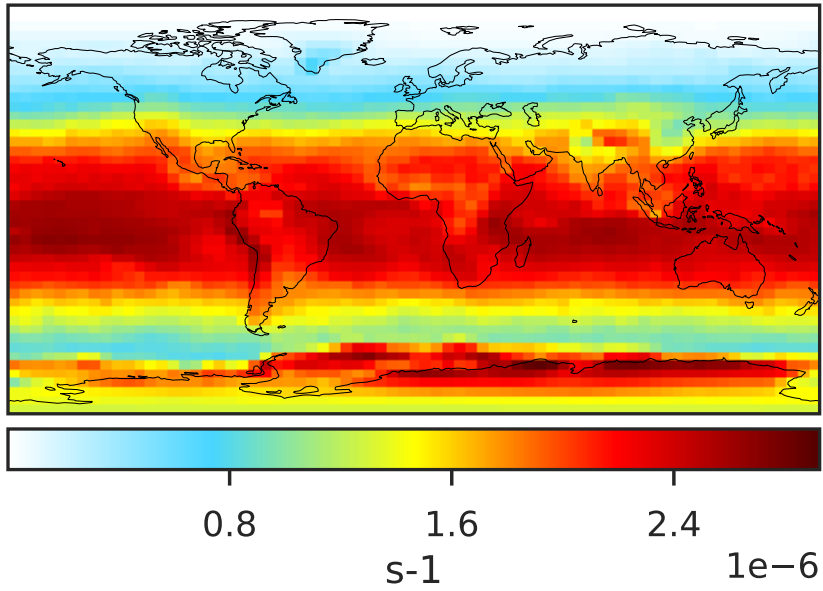
Ratio
Dev/Ref, Fixed Range



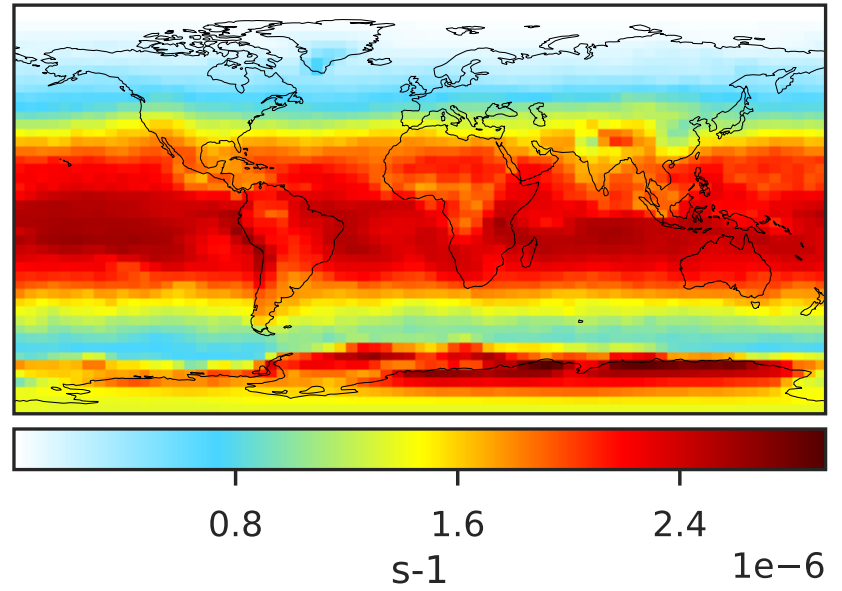
0.50 0.75 1.00 1.50 2.00
unitless

Jval_H2O2 (Oct2019)

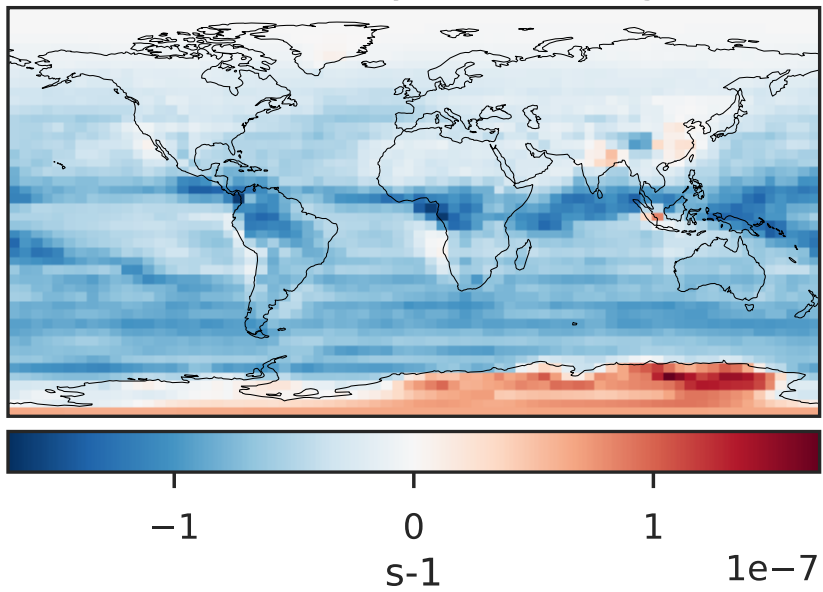
14.2.0-rc.2 (Ref)
4.0x5.0



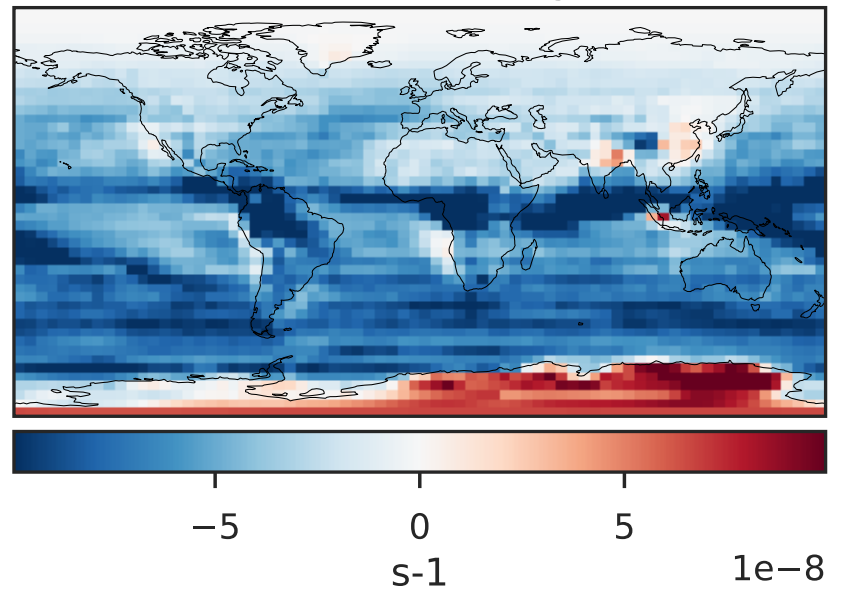
14.3.0-rc.0 (Dev)
4.0x5.0



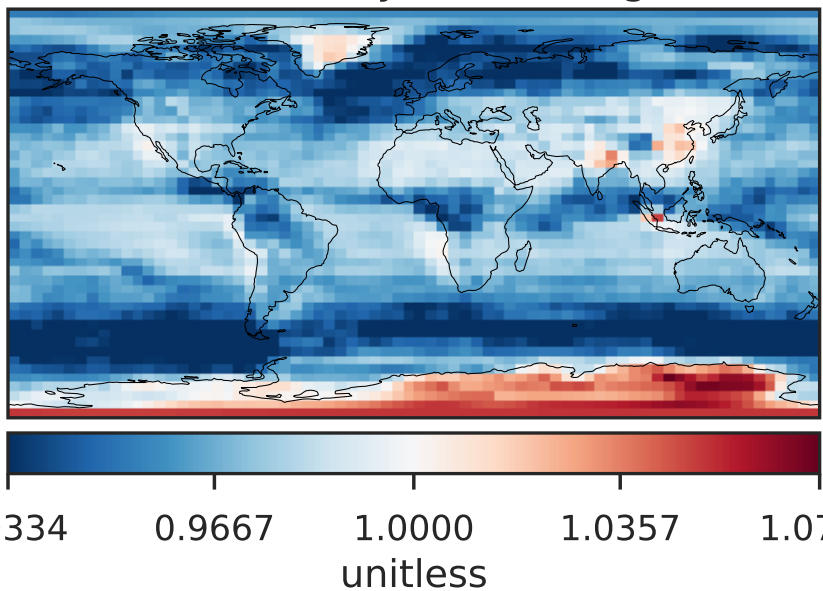
Difference
Dev - Ref, Dynamic Range



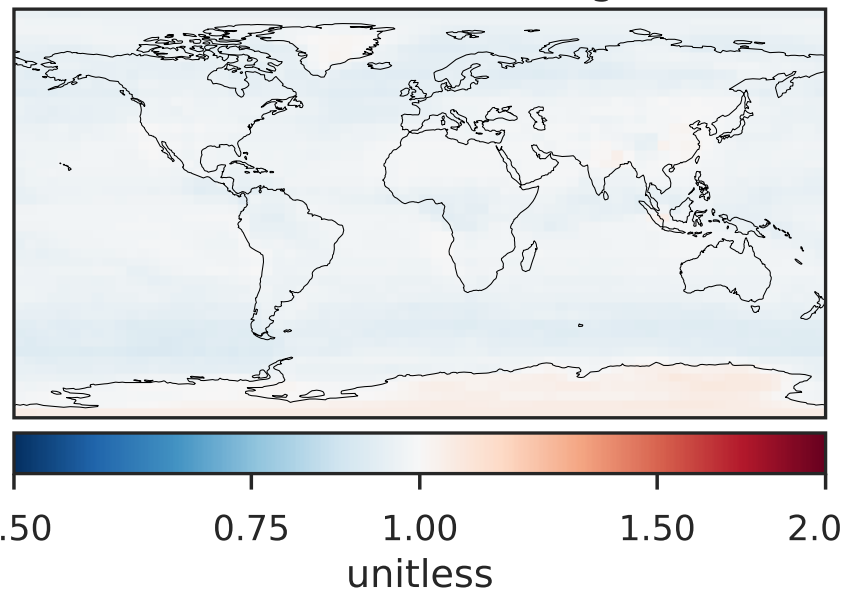
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

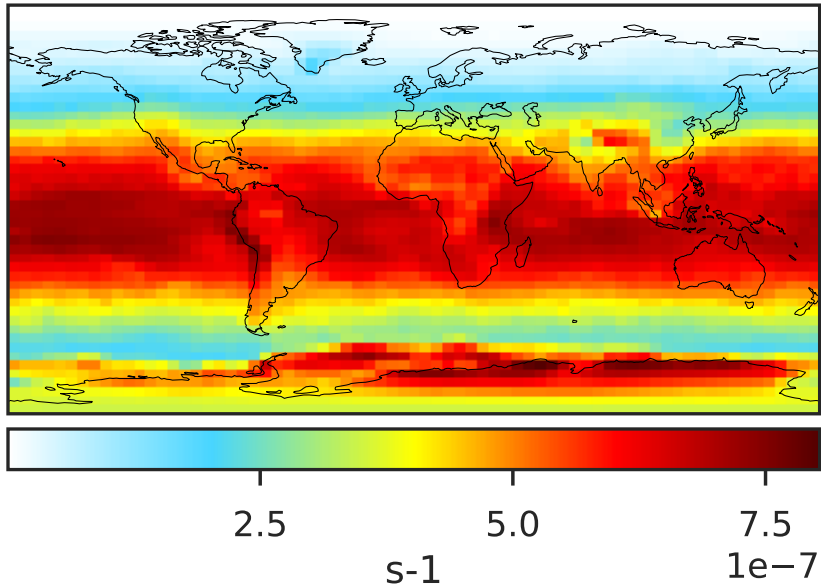


Ratio
Dev/Ref, Fixed Range

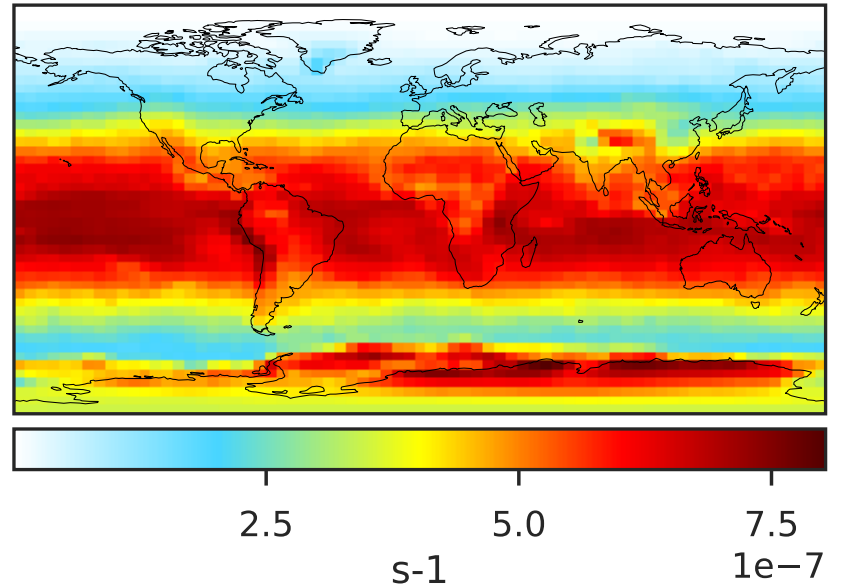


Jval_HAC (Oct2019)

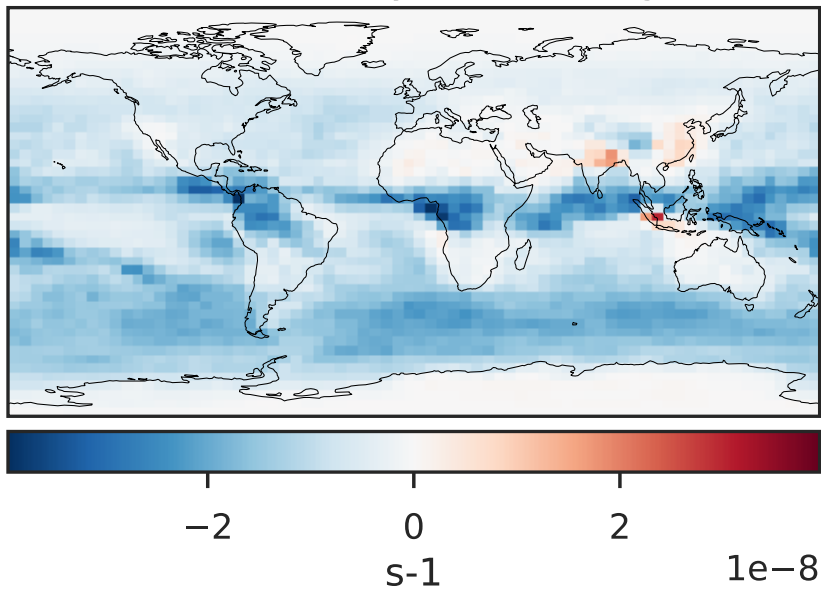
14.2.0-rc.2 (Ref)
4.0x5.0



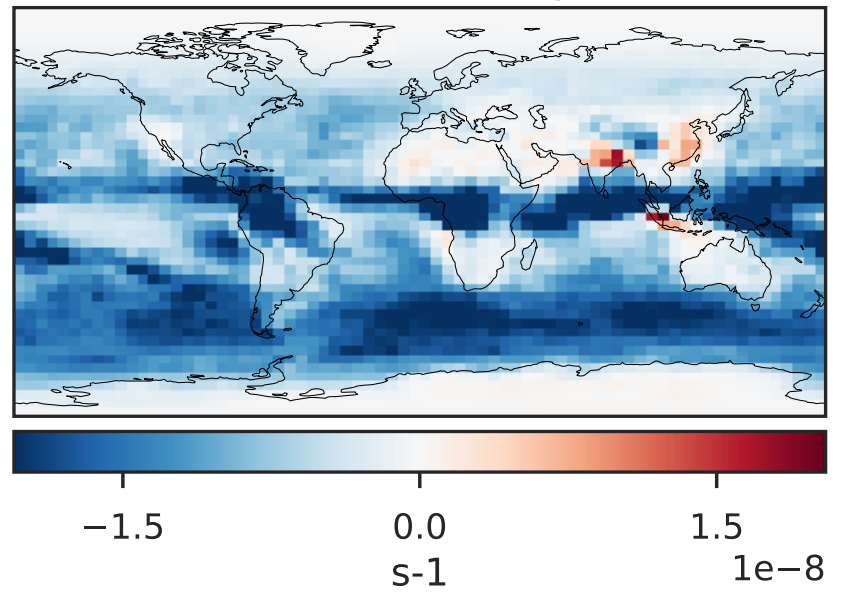
14.3.0-rc.0 (Dev)
4.0x5.0



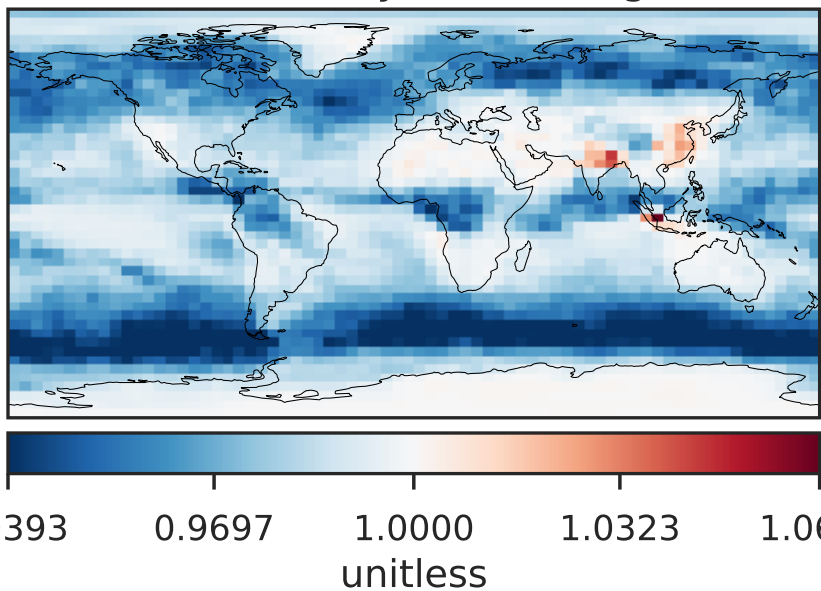
Difference
Dev - Ref, Dynamic Range



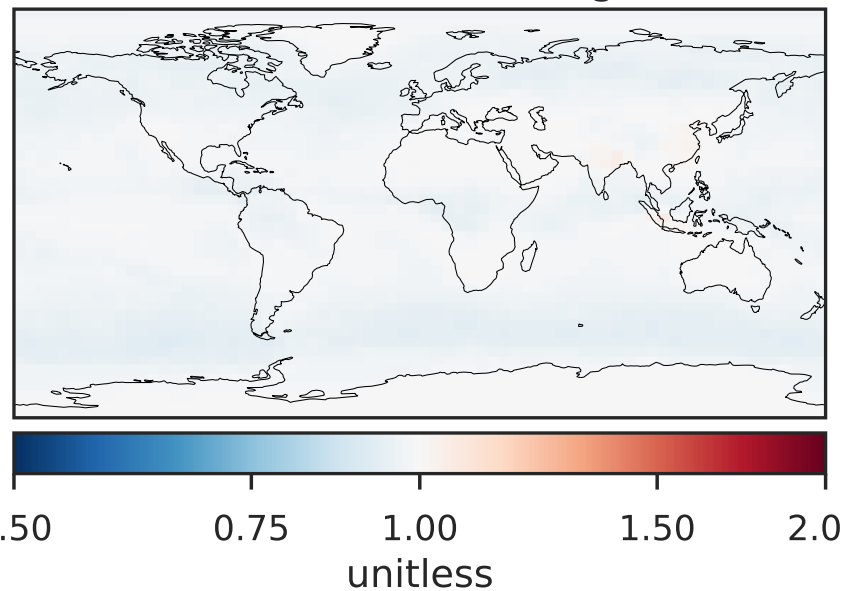
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

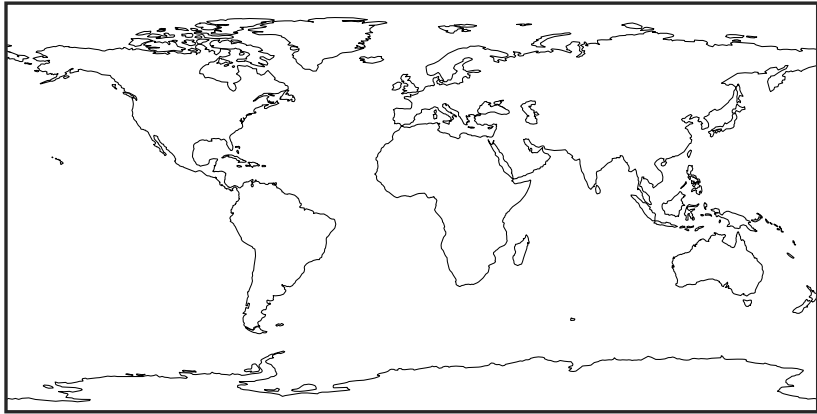


Ratio
Dev/Ref, Fixed Range



Jval_HC5A (Oct2019)

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



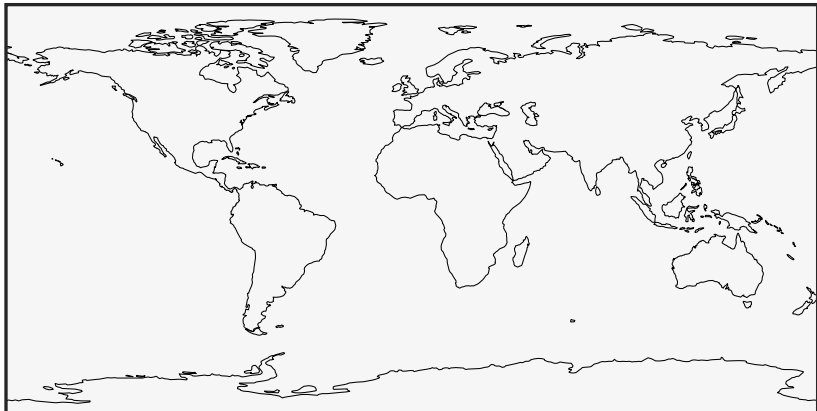
Zero throughput domain
s-1

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



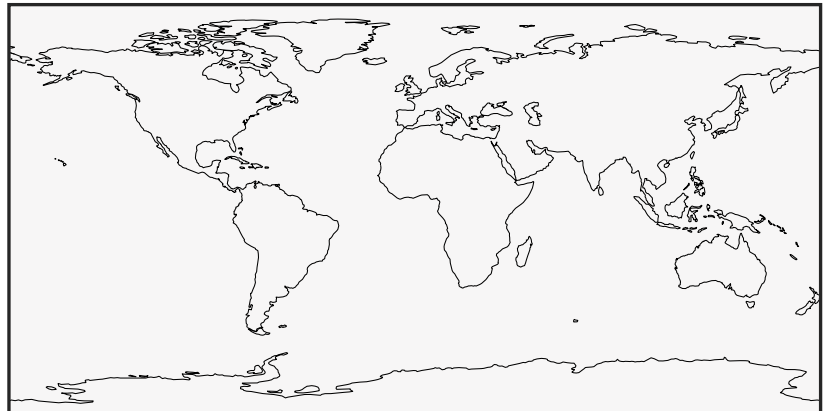
Zero throughput domain
s-1

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

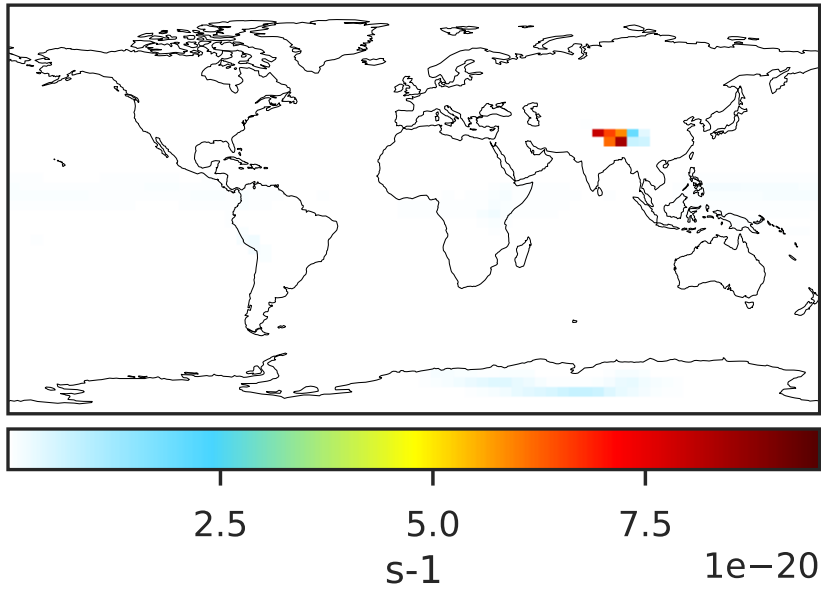
Ratio
Dev/Ref, Fixed Range



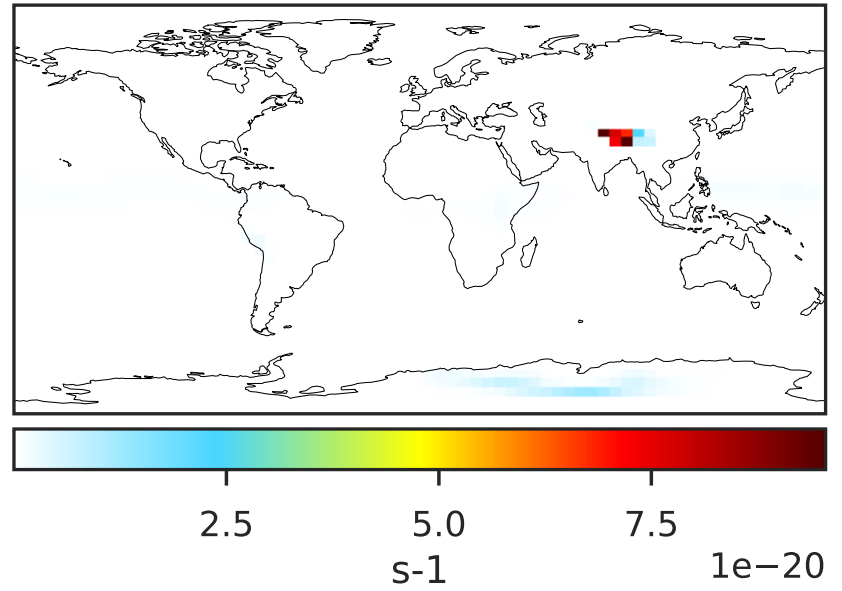
Undefined throughput domain
unitless

Jval_HCFC123 (Oct2019)

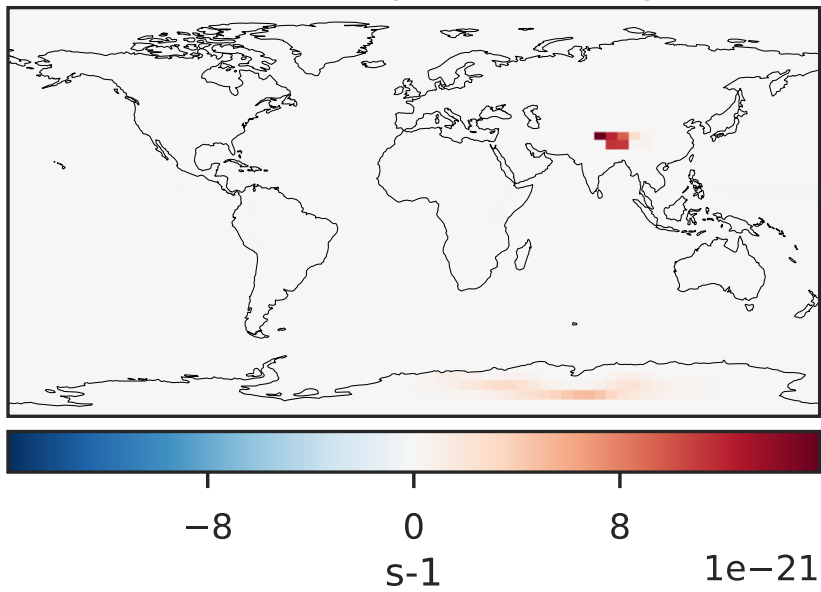
14.2.0-rc.2 (Ref)
4.0x5.0



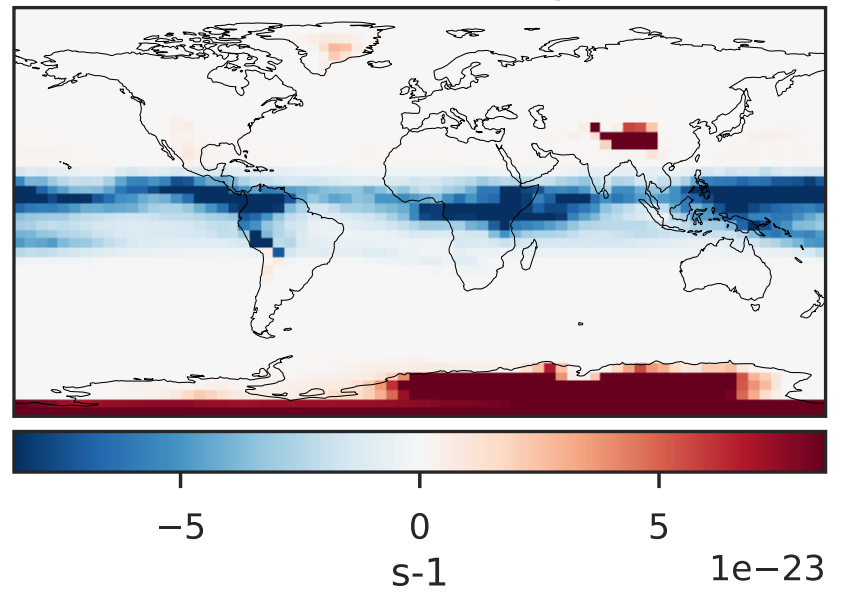
14.3.0-rc.0 (Dev)
4.0x5.0



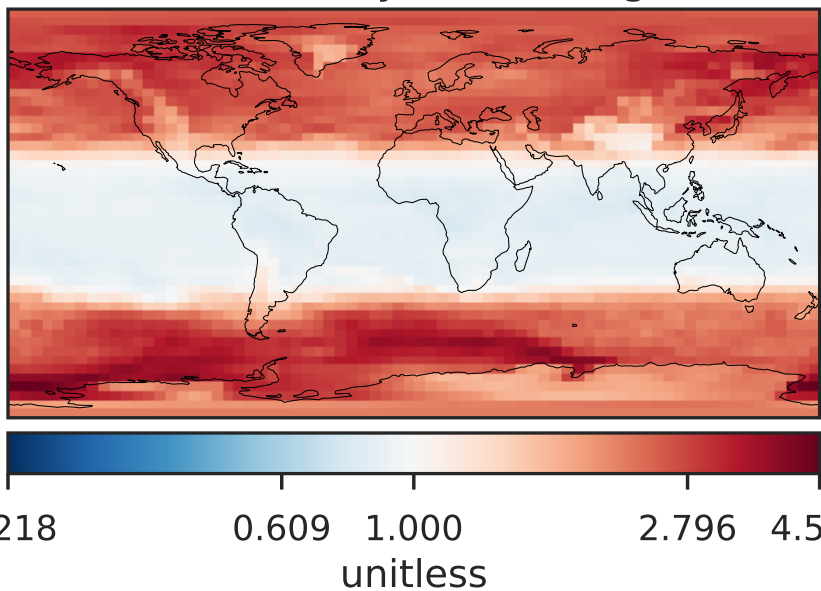
Difference
Dev - Ref, Dynamic Range



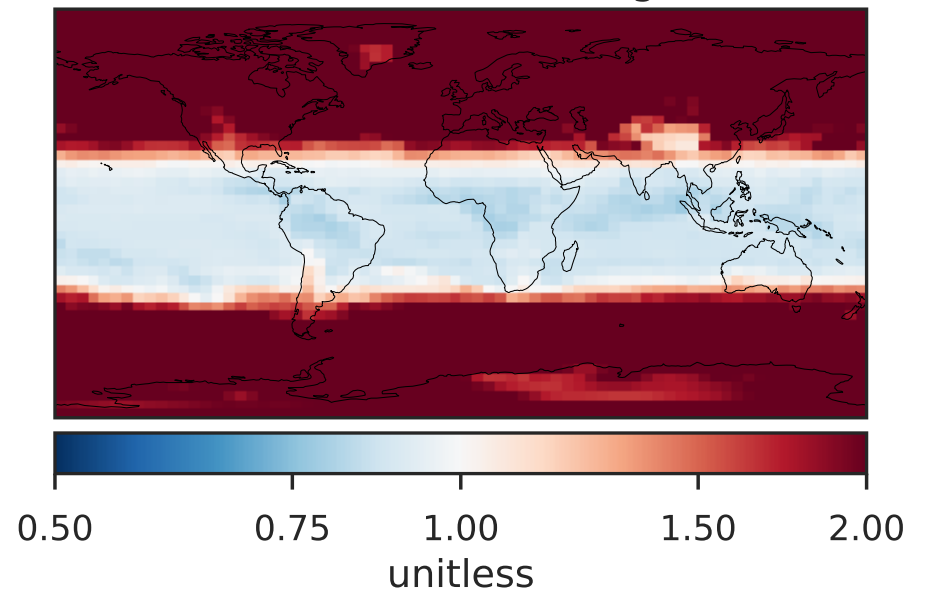
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

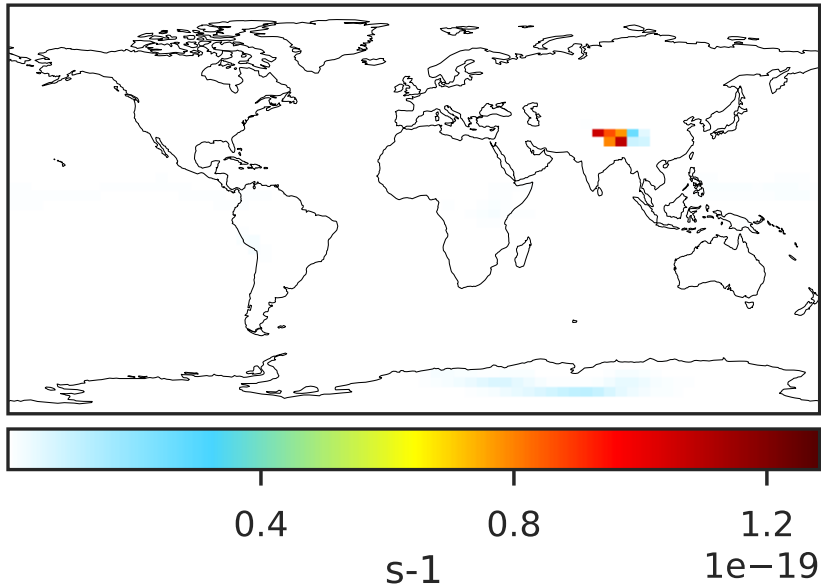


Ratio
Dev/Ref, Fixed Range

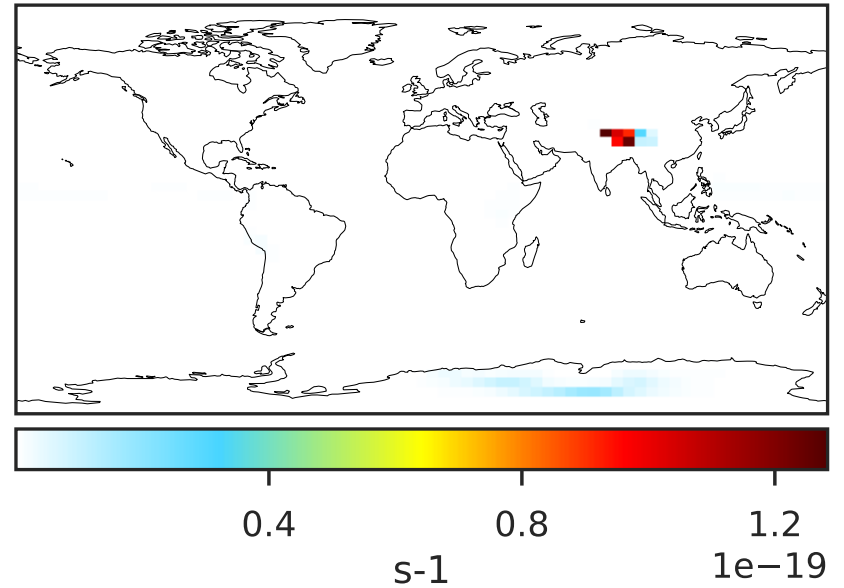


Jval_HCFC141b (Oct2019)

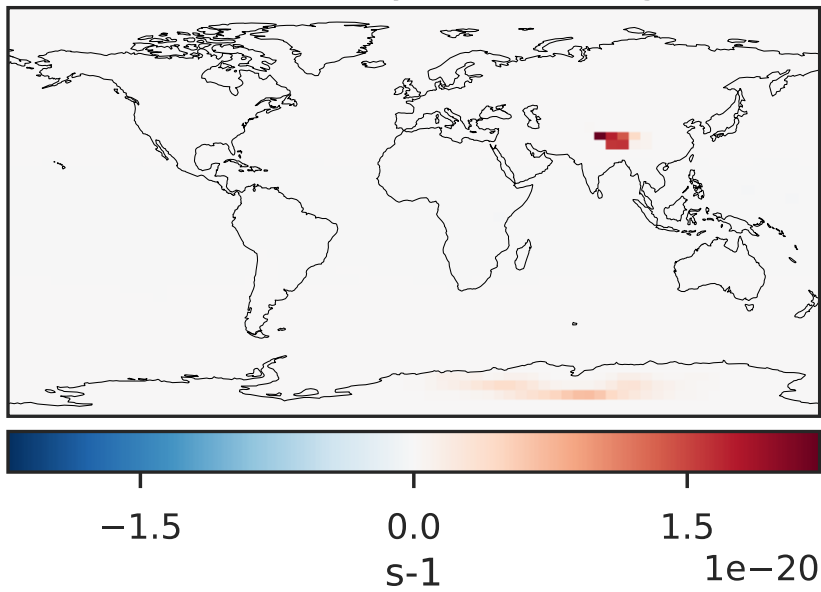
14.2.0-rc.2 (Ref)
4.0x5.0



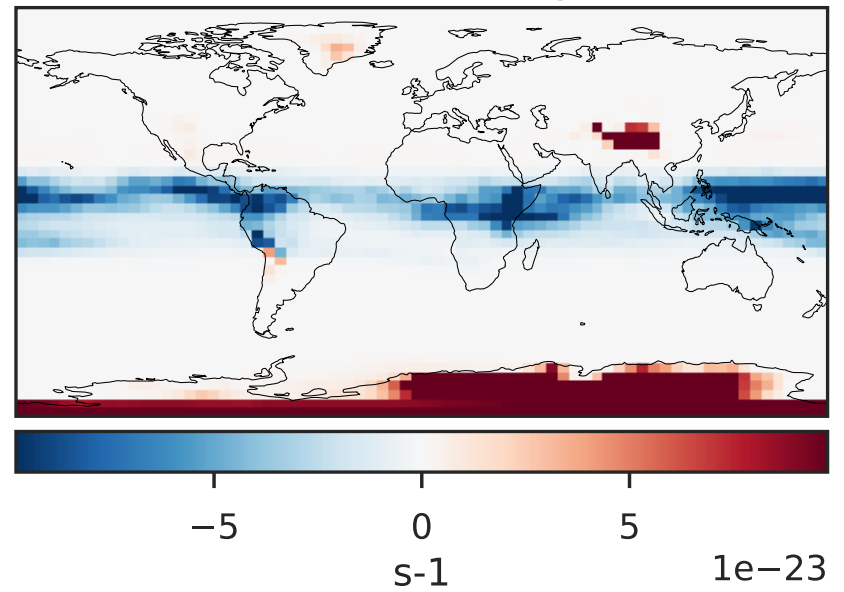
14.3.0-rc.0 (Dev)
4.0x5.0



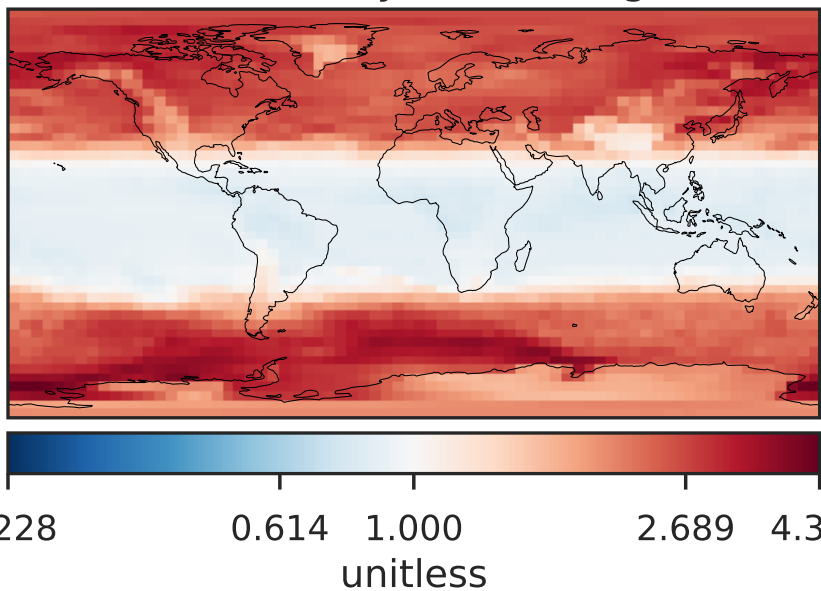
Difference
Dev - Ref, Dynamic Range



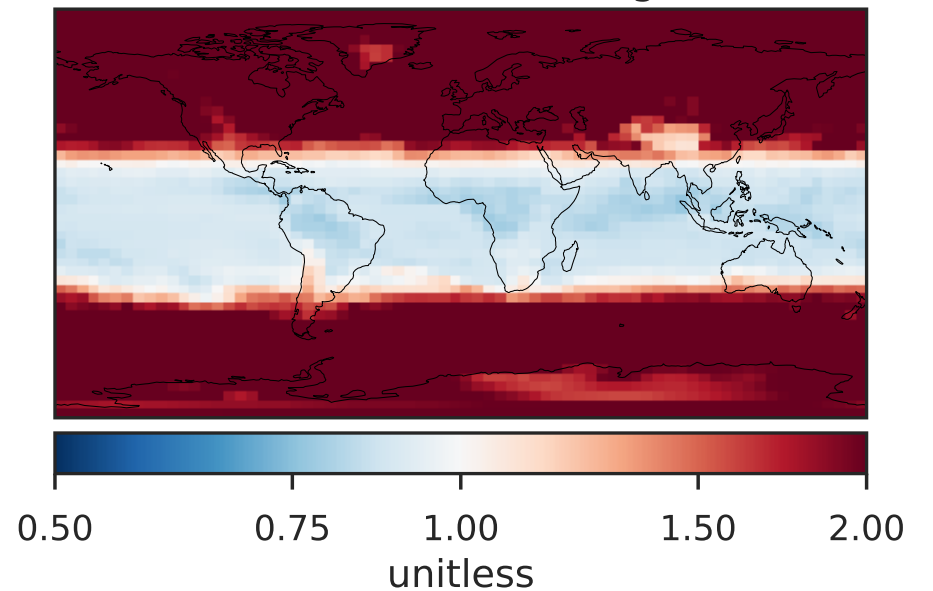
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

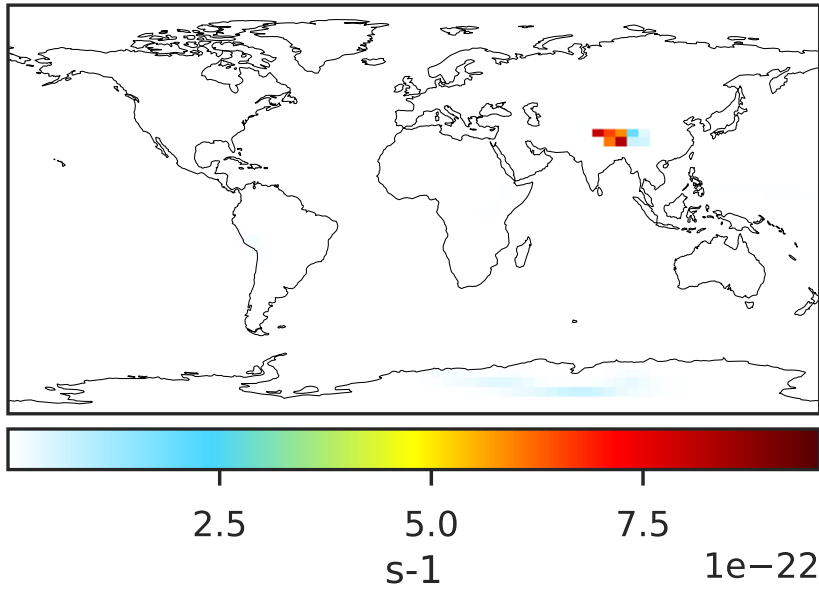


Ratio
Dev/Ref, Fixed Range

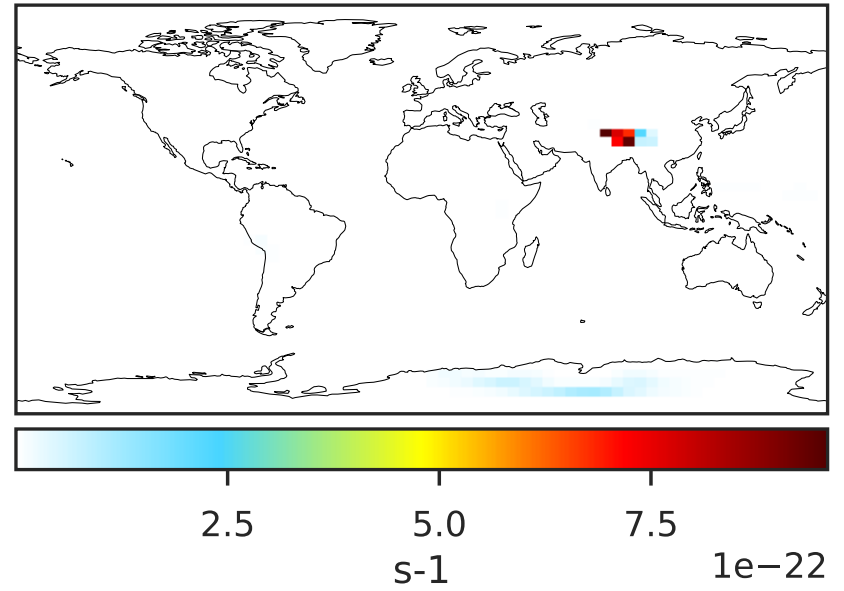


Jval_HCFC142b (Oct2019)

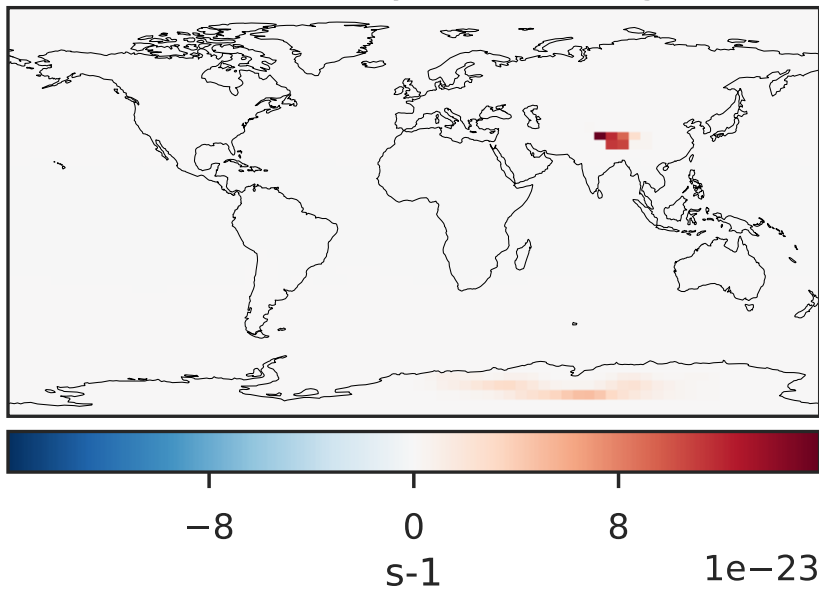
14.2.0-rc.2 (Ref)
4.0x5.0



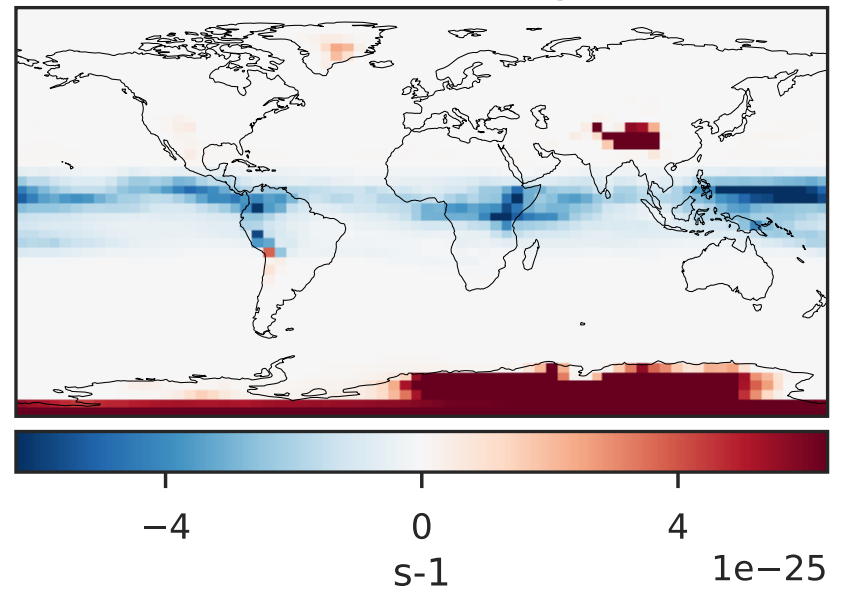
14.3.0-rc.0 (Dev)
4.0x5.0



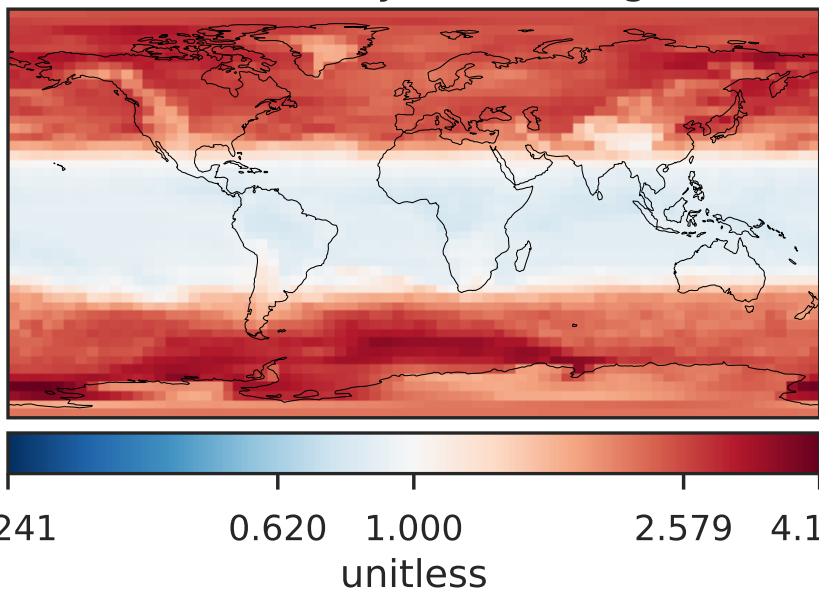
Difference
Dev - Ref, Dynamic Range



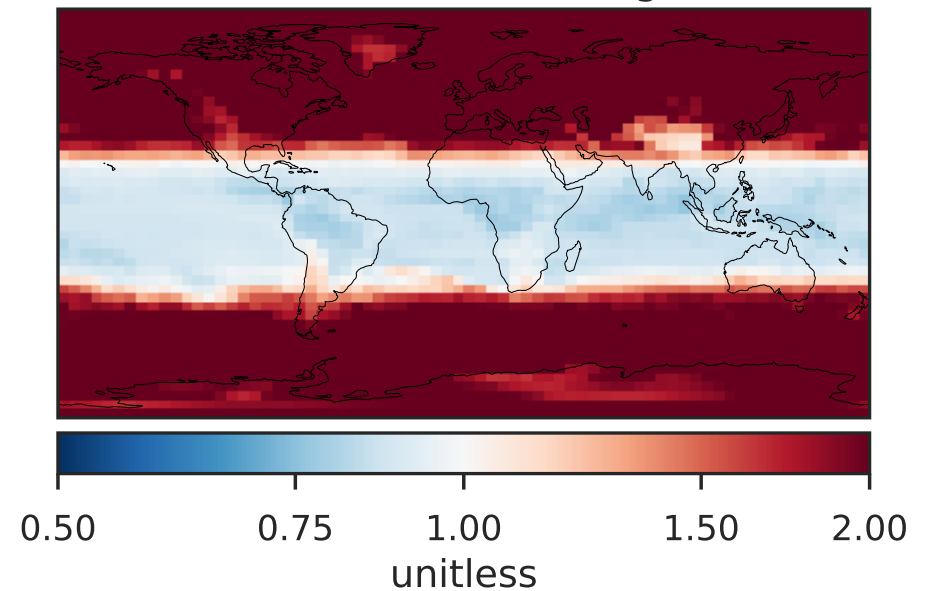
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

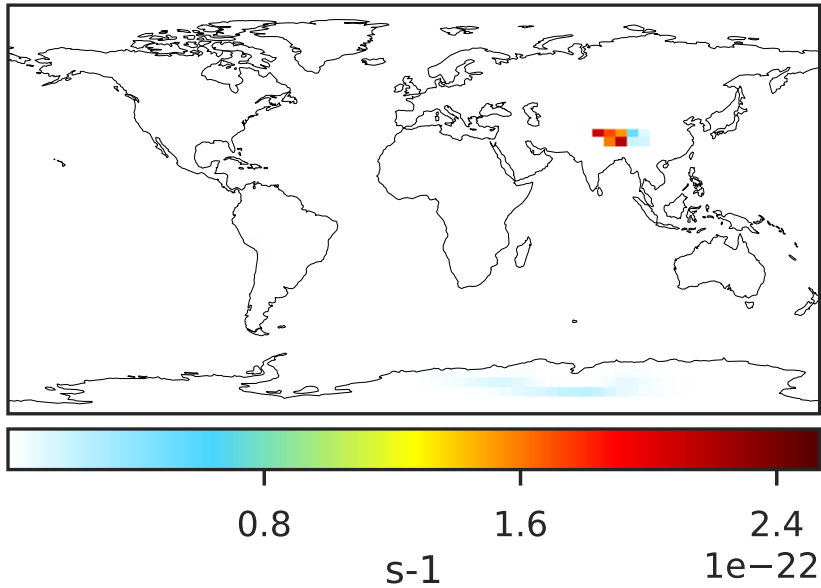


Ratio
Dev/Ref, Fixed Range

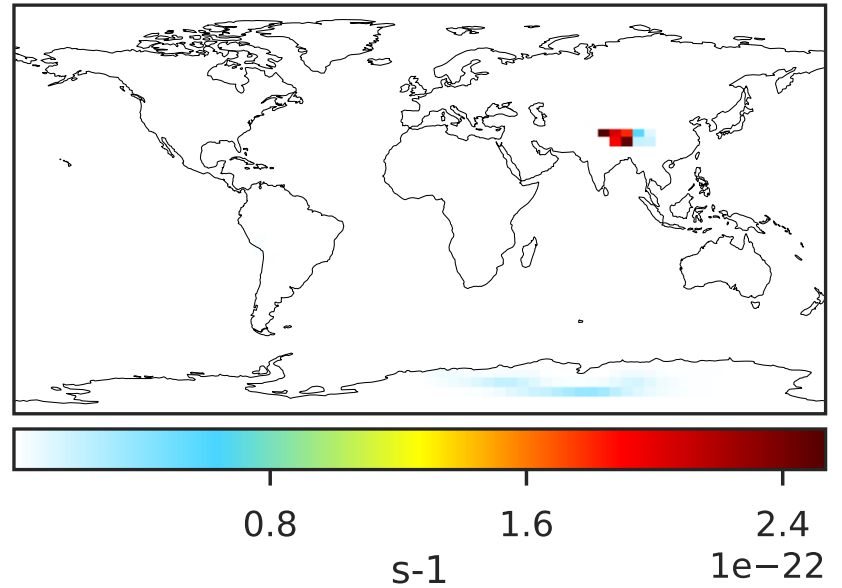


Jval_HCFC22 (Oct2019)

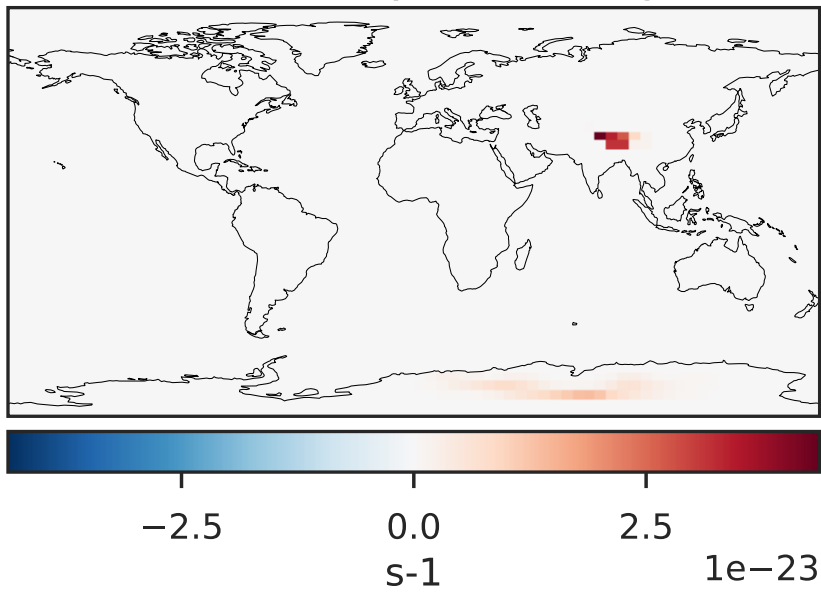
14.2.0-rc.2 (Ref)
4.0x5.0



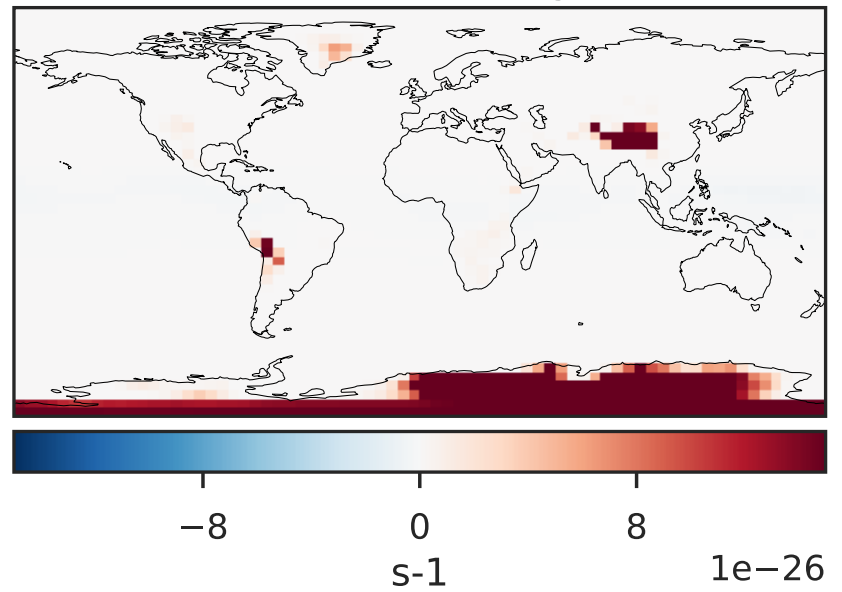
14.3.0-rc.0 (Dev)
4.0x5.0



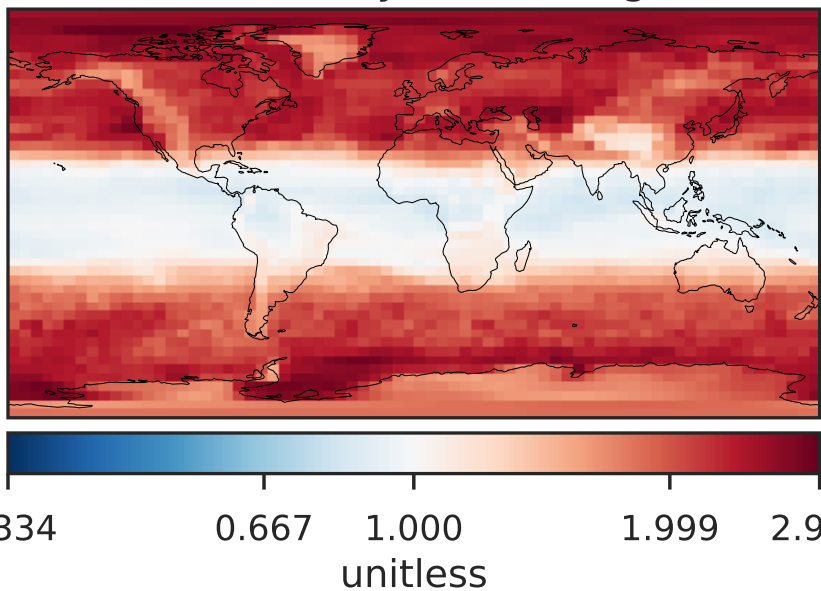
Difference
Dev - Ref, Dynamic Range



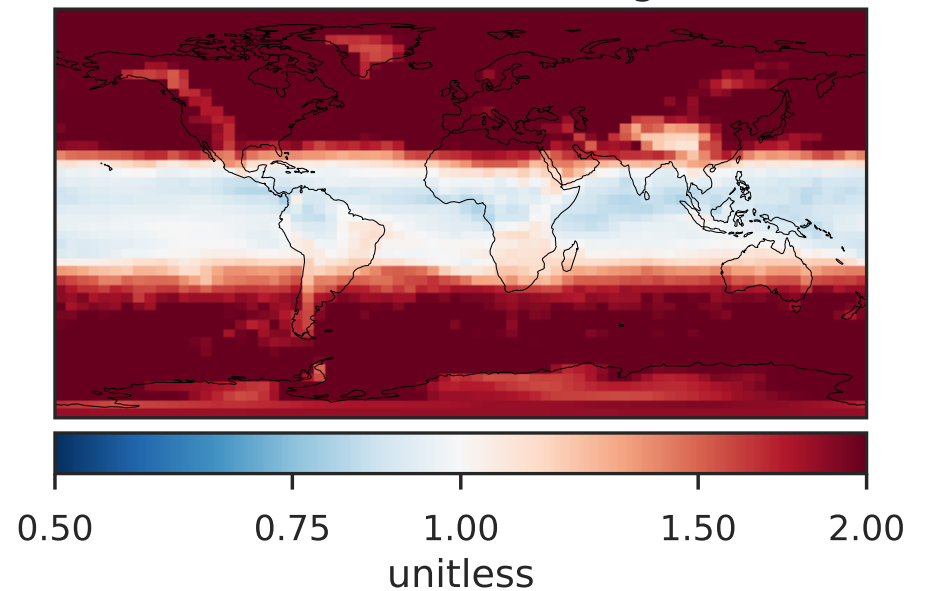
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

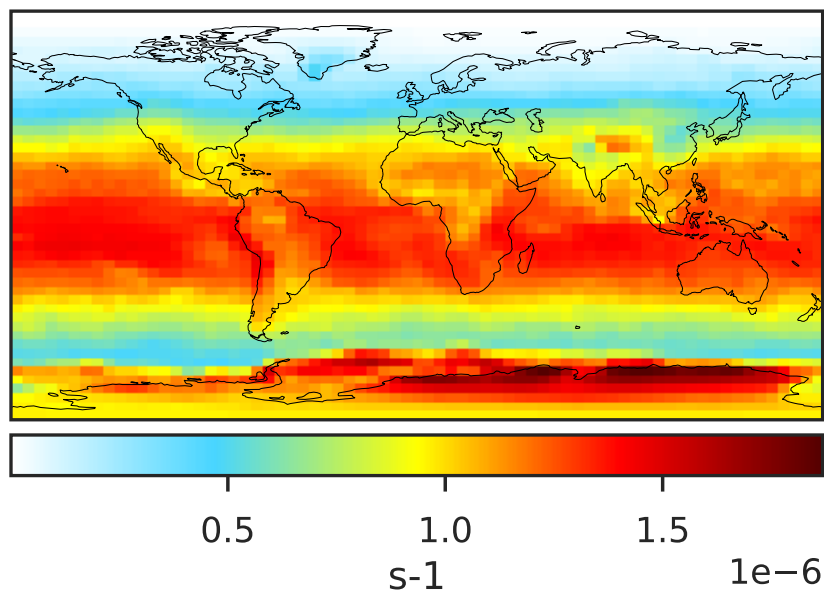


Ratio
Dev/Ref, Fixed Range

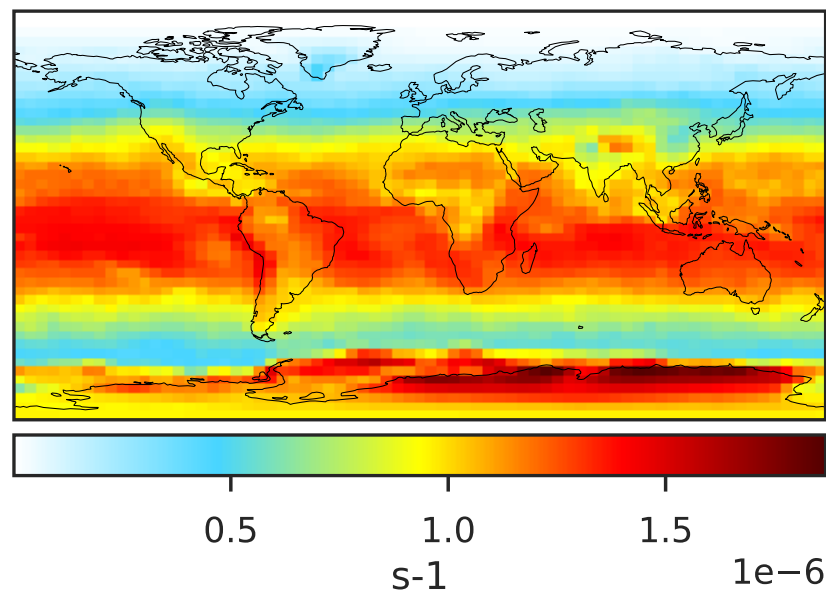


Jval_HMHP (Oct2019)

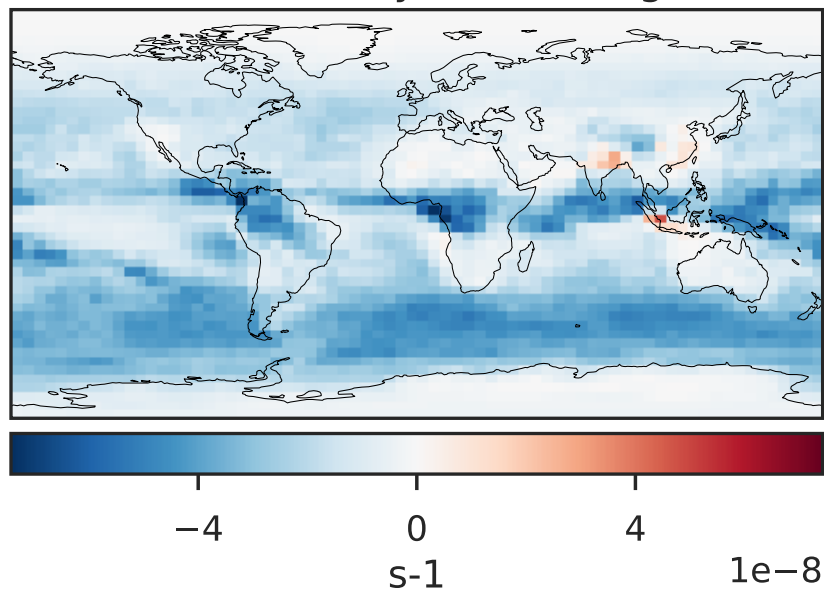
14.2.0-rc.2 (Ref)
4.0x5.0



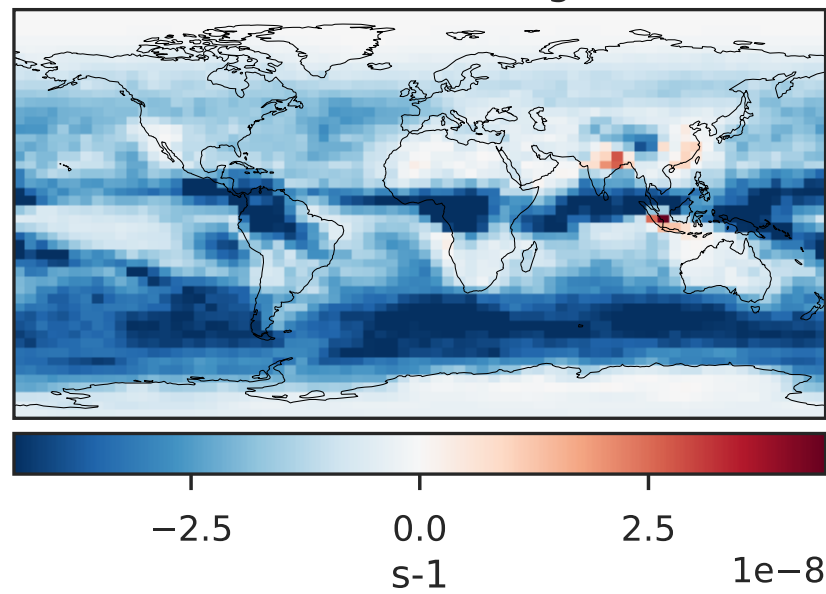
14.3.0-rc.0 (Dev)
4.0x5.0



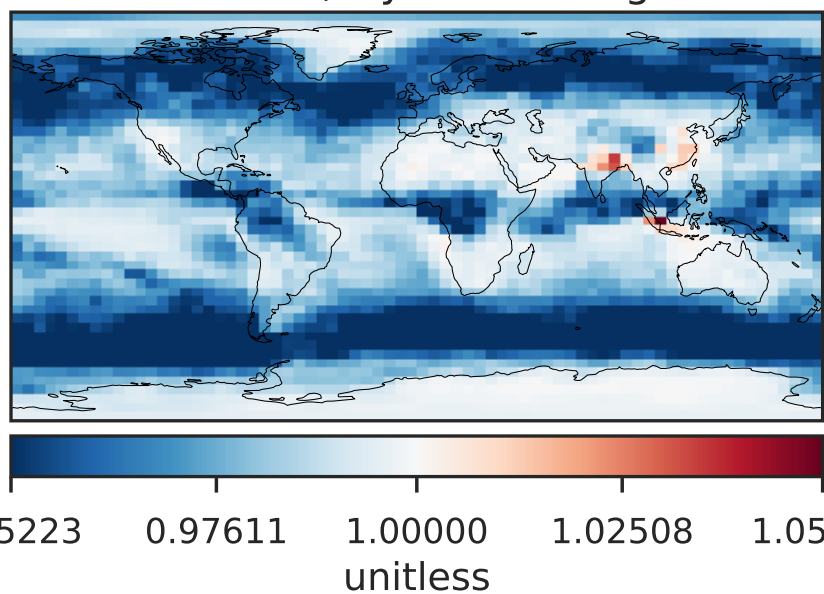
Difference
Dev - Ref, Dynamic Range



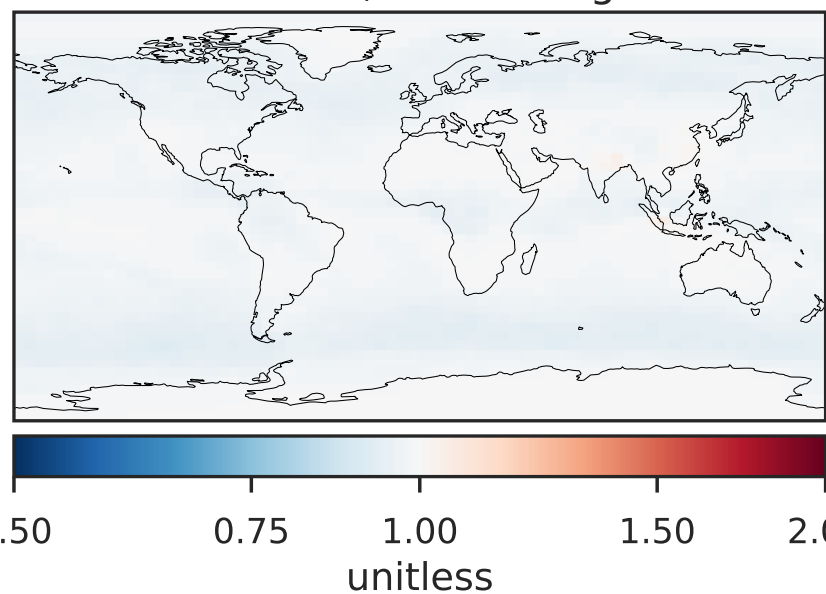
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

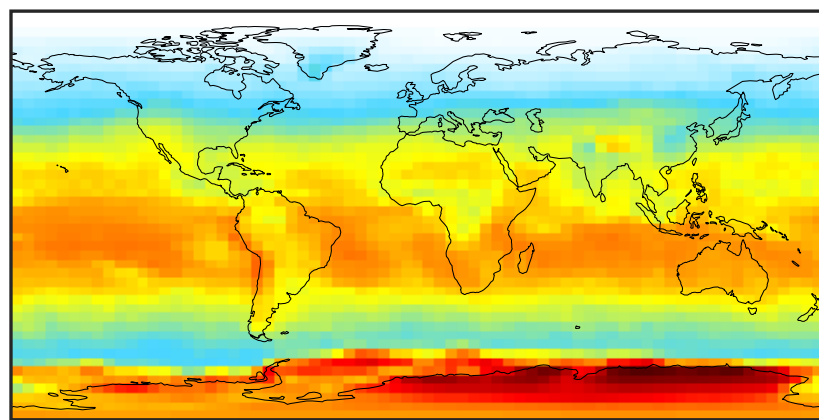


Ratio
Dev/Ref, Fixed Range



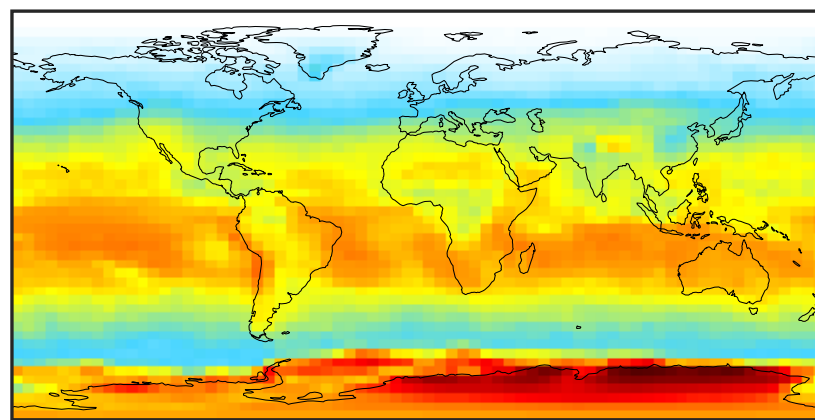
Jval_HNO2 (Oct2019)

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



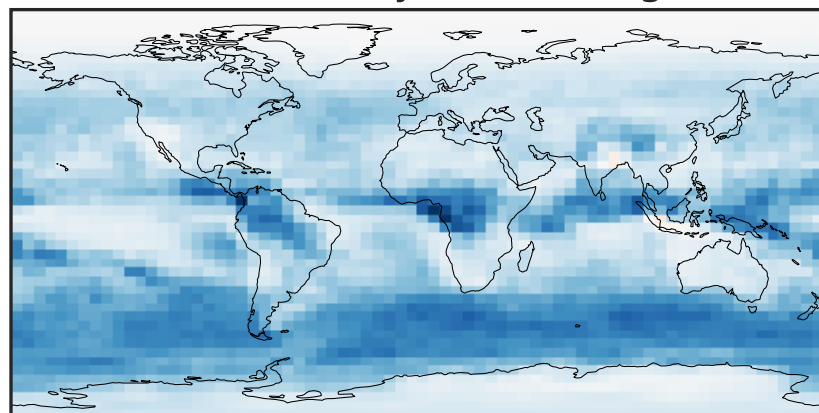
0.00025 0.00050 0.00075
s-1

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



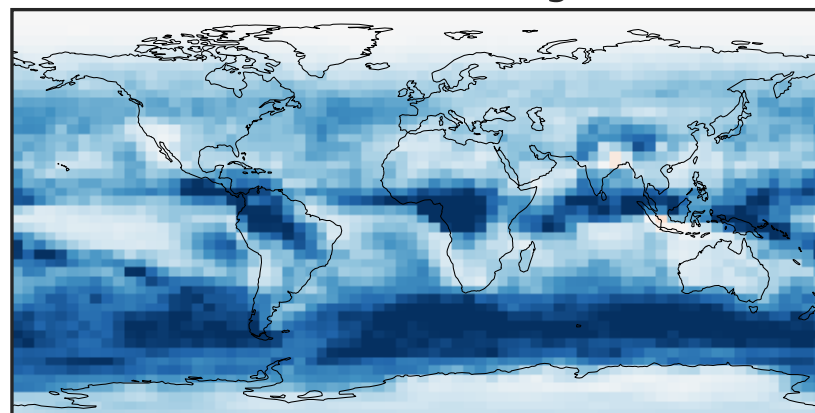
0.00025 0.00050 0.00075
s-1

Difference
Dev - Ref, Dynamic Range



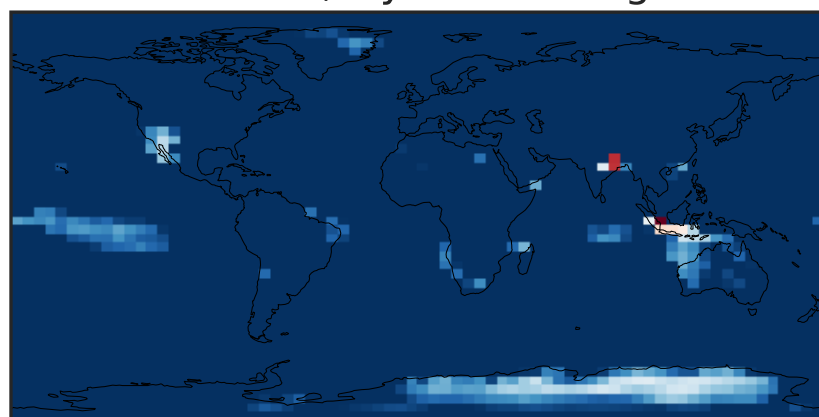
-2 0 2
s-1 1e-5

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



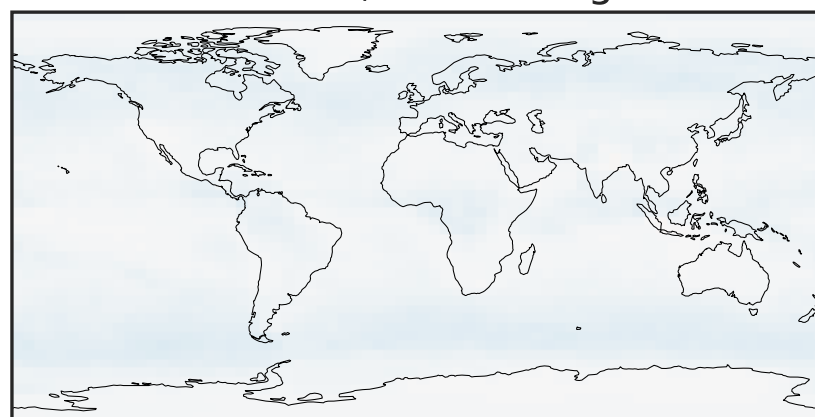
-1.5 0.0 1.5
s-1 1e-5

Ratio
Dev/Ref, Dynamic Range



0.99232 0.99616 1.00000 1.00387 1.00774
unitless

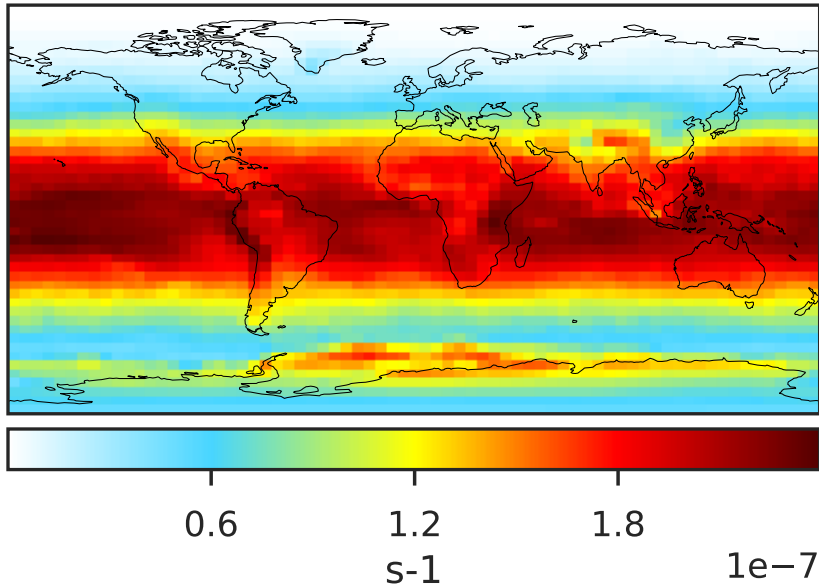
Ratio
Dev/Ref, Fixed Range



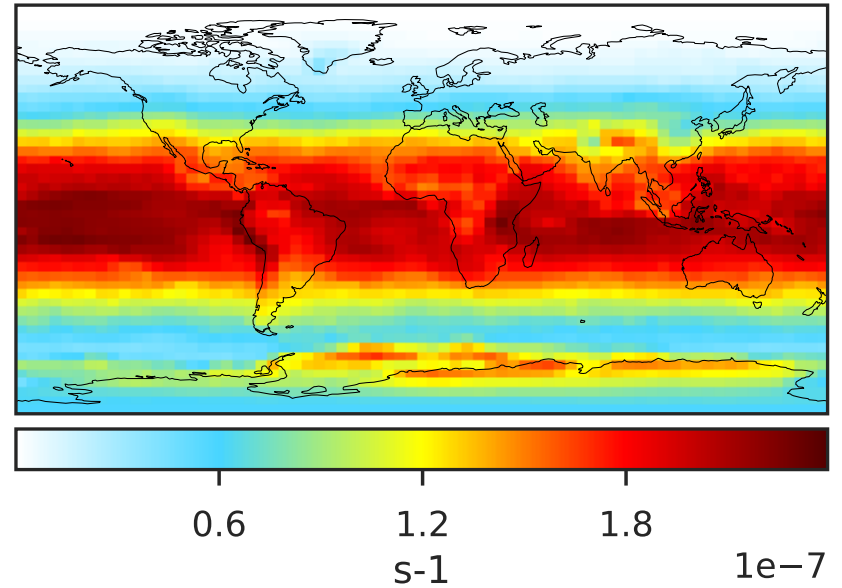
0.50 0.75 1.00 1.50 2.00
unitless

Jval_HNO3 (Oct2019)

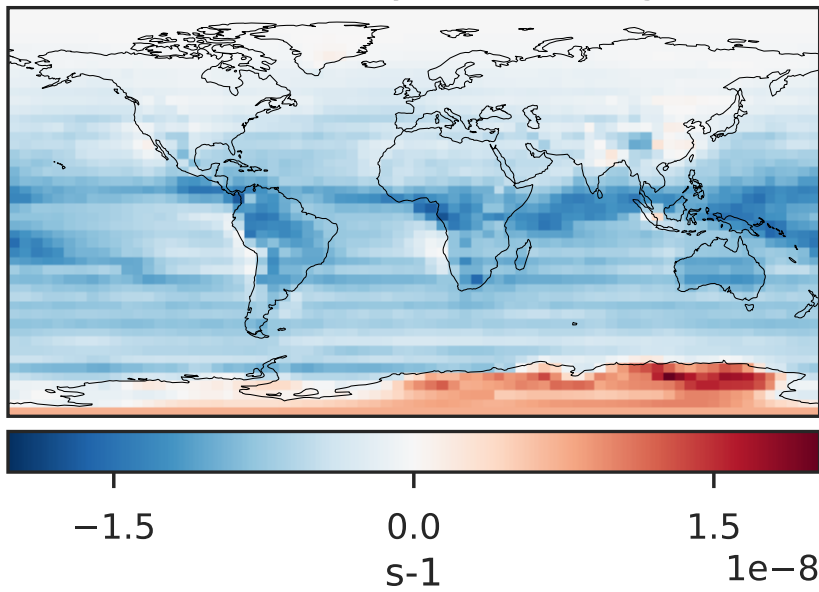
14.2.0-rc.2 (Ref)
4.0x5.0



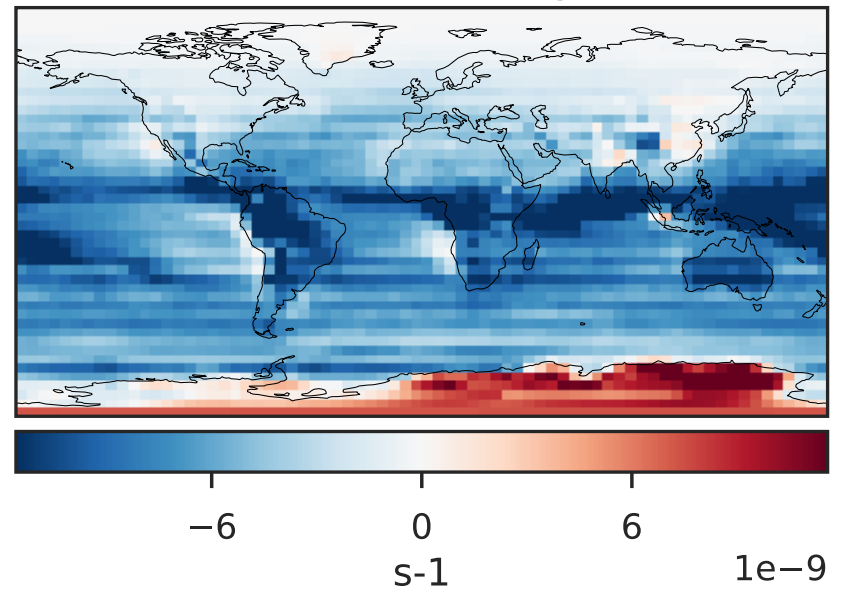
14.3.0-rc.0 (Dev)
4.0x5.0



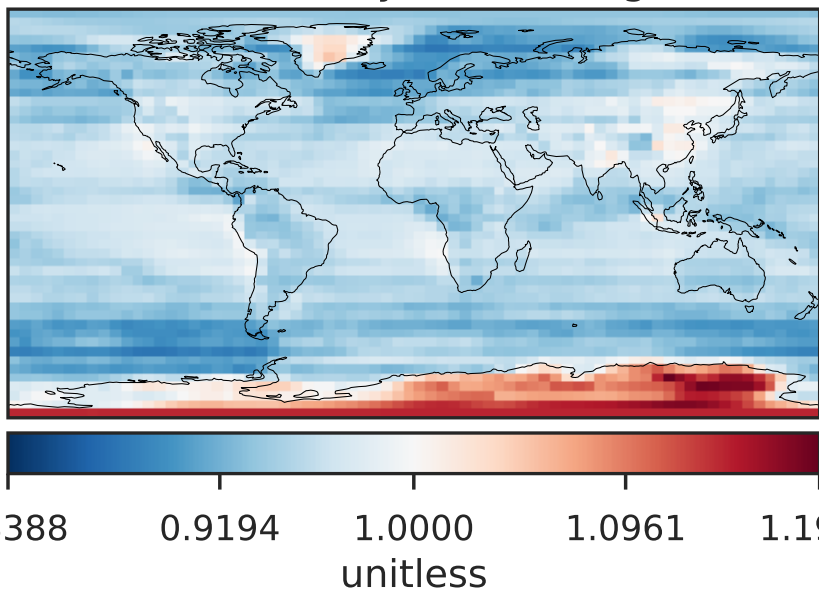
Difference
Dev - Ref, Dynamic Range



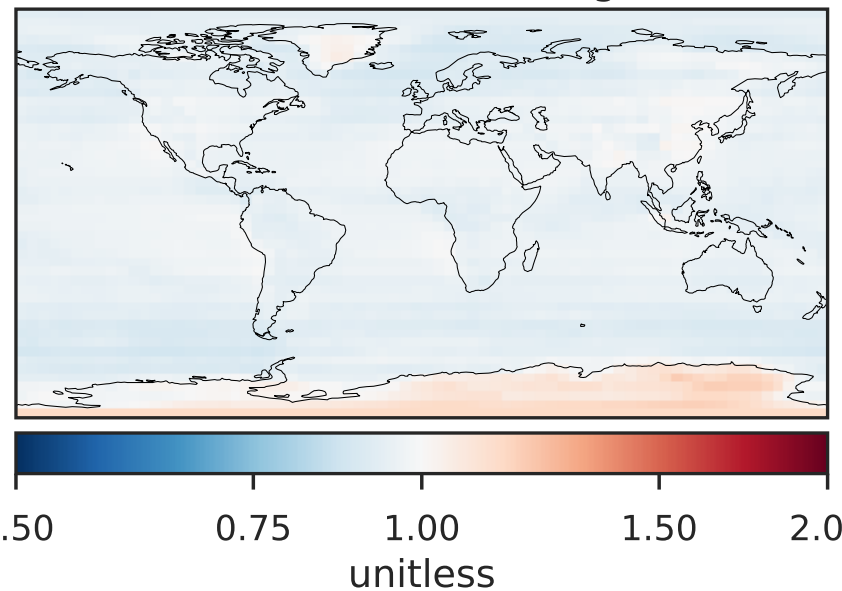
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

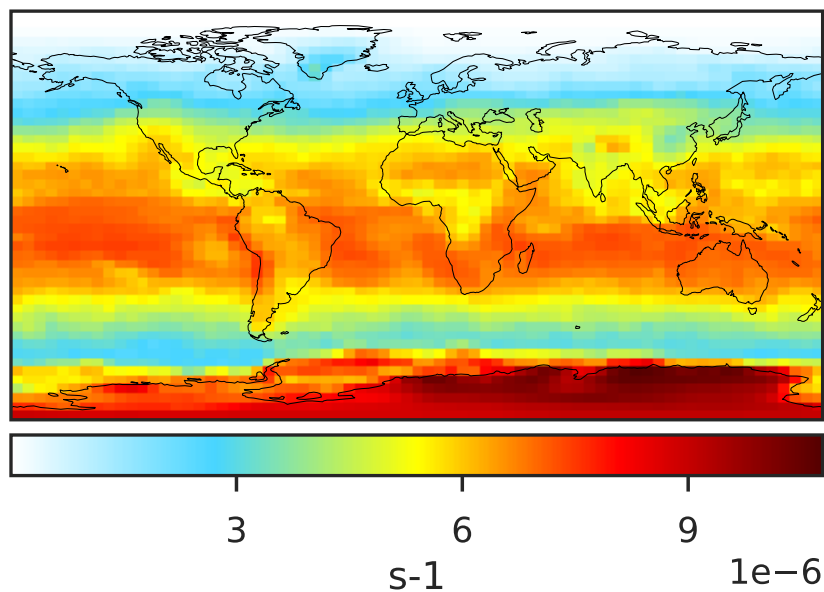


Ratio
Dev/Ref, Fixed Range

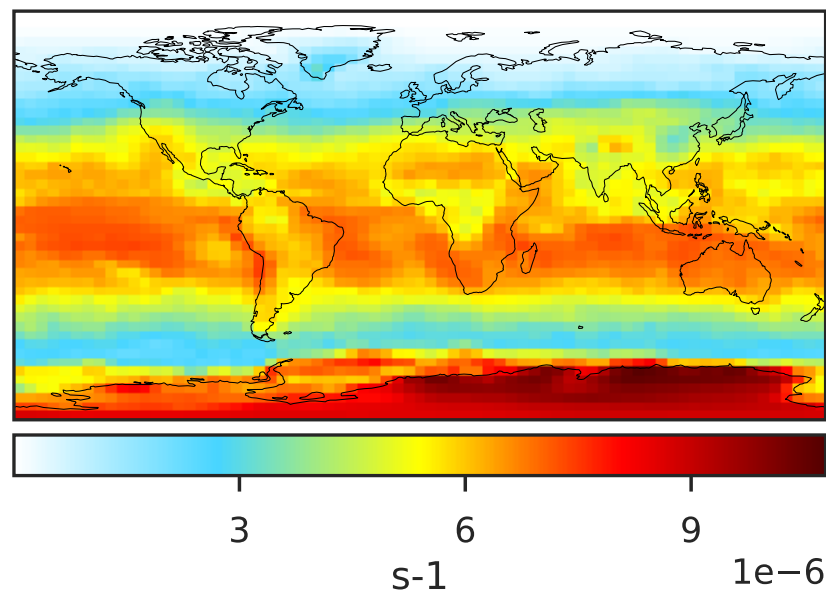


Jval_HNO4 (Oct2019)

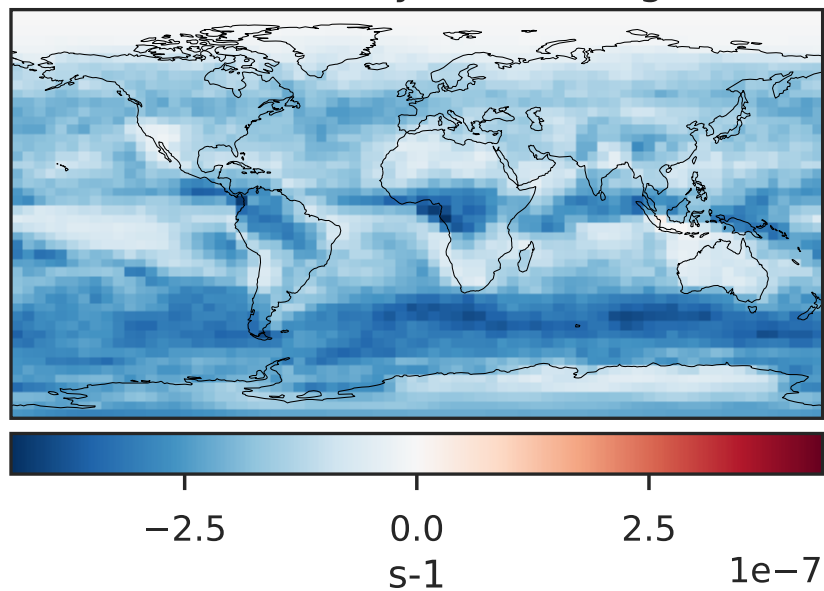
14.2.0-rc.2 (Ref)
4.0x5.0



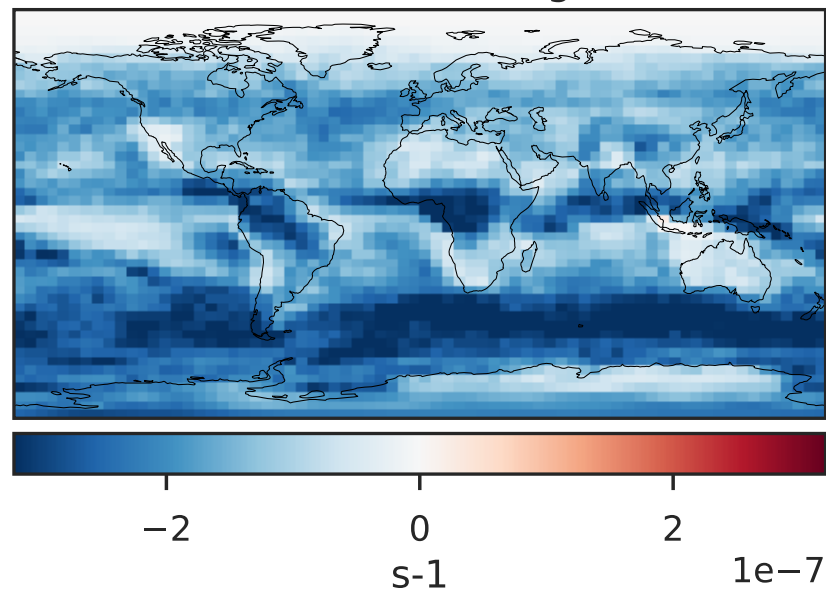
14.3.0-rc.0 (Dev)
4.0x5.0



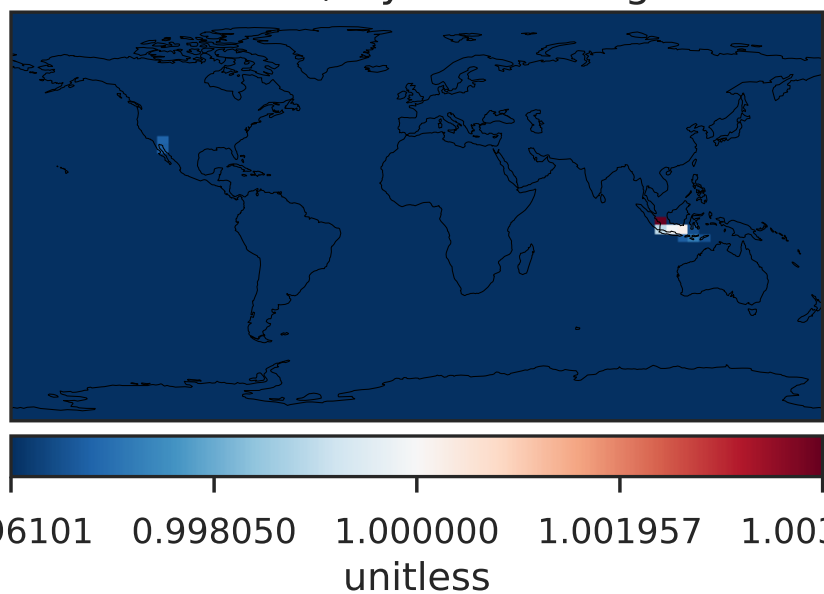
Difference
Dev - Ref, Dynamic Range



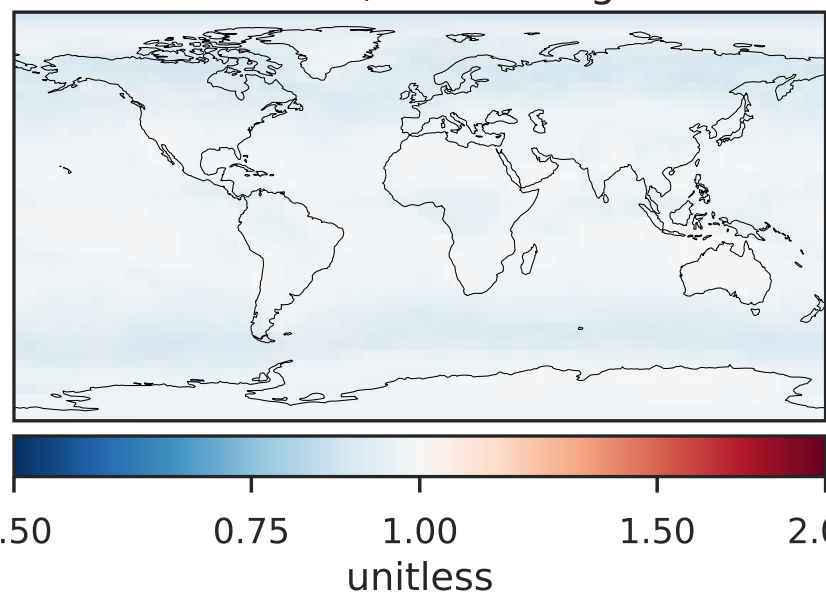
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

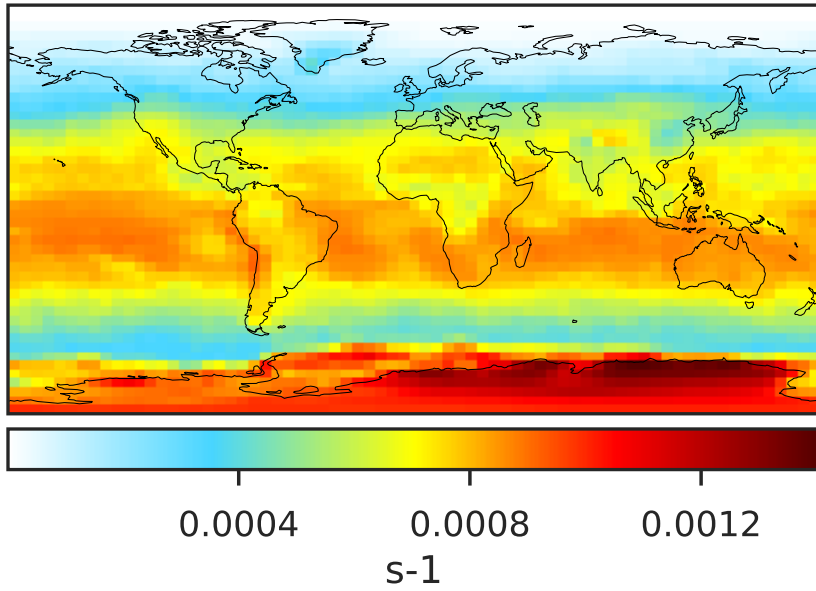


Ratio
Dev/Ref, Fixed Range

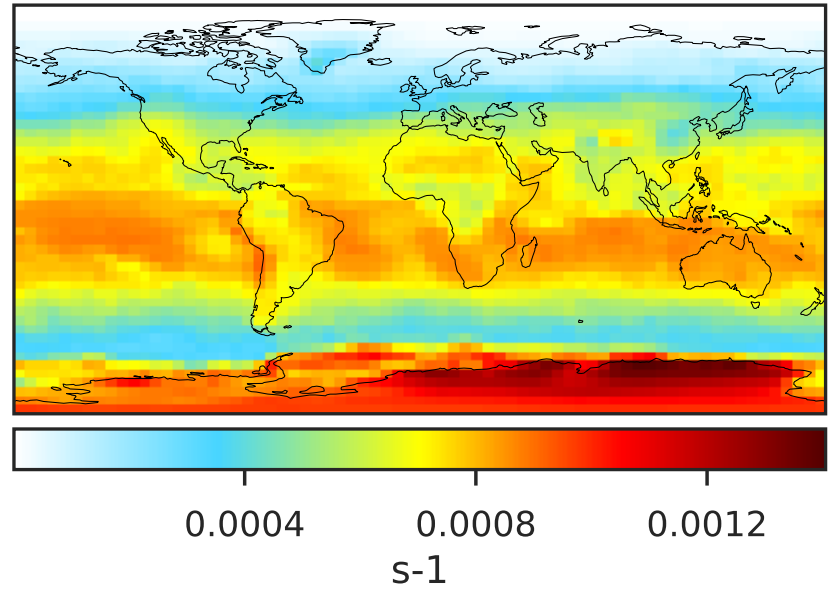


Jval_HOBr (Oct2019)

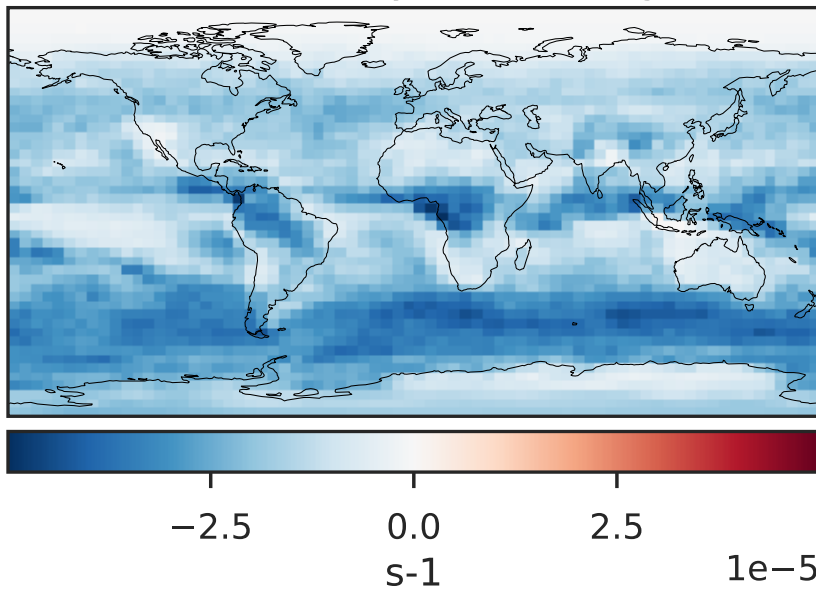
14.2.0-rc.2 (Ref)
4.0x5.0



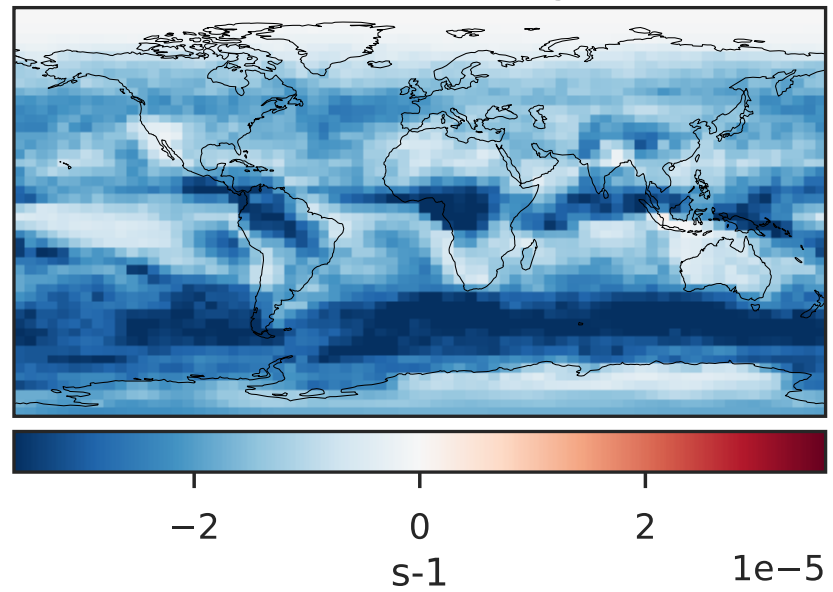
14.3.0-rc.0 (Dev)
4.0x5.0



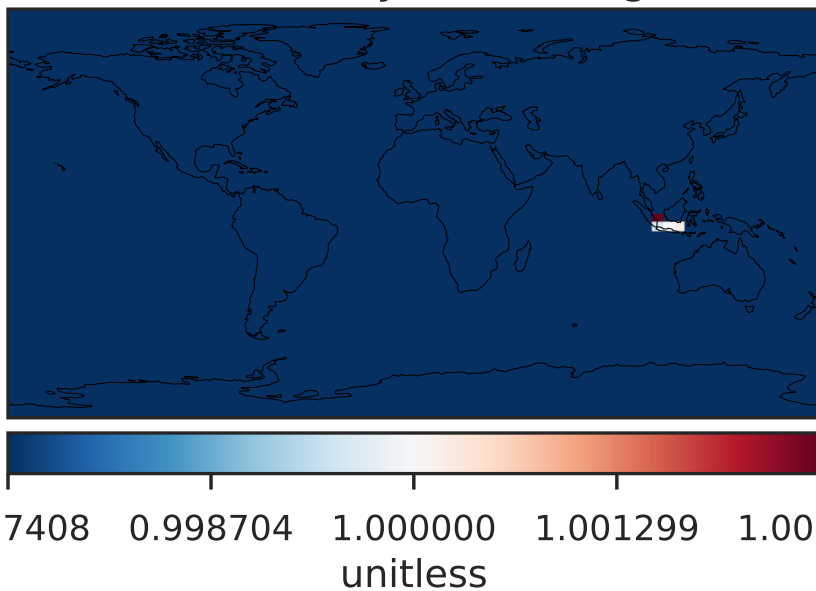
Difference
Dev - Ref, Dynamic Range



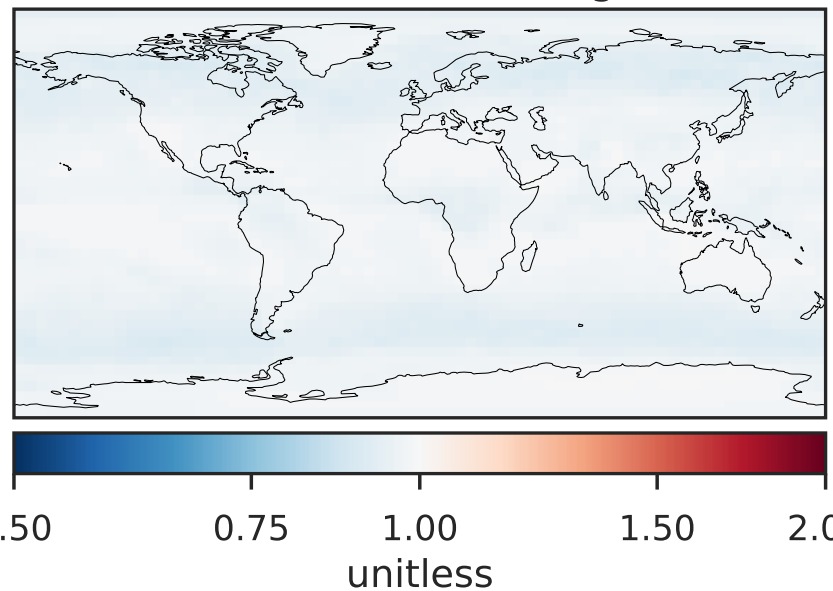
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

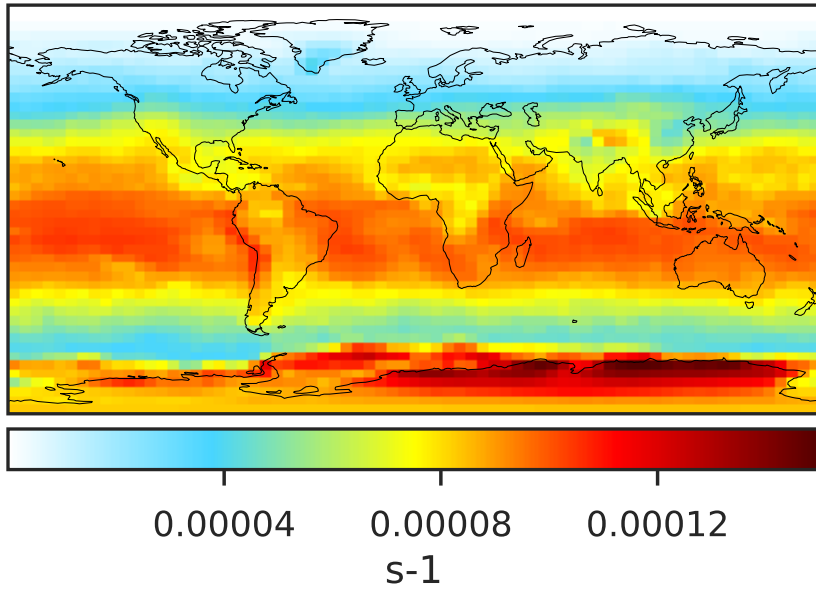


Ratio
Dev/Ref, Fixed Range

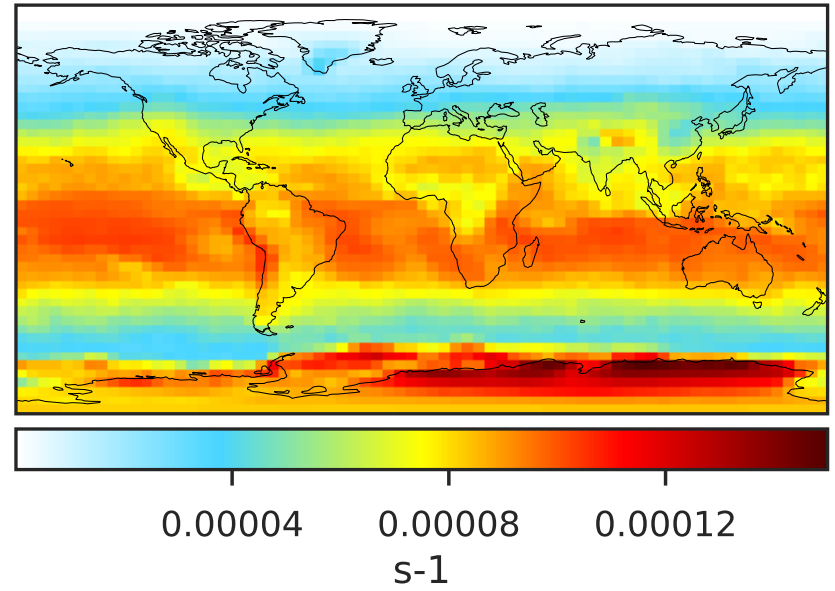


Jval_HOCl (Oct2019)

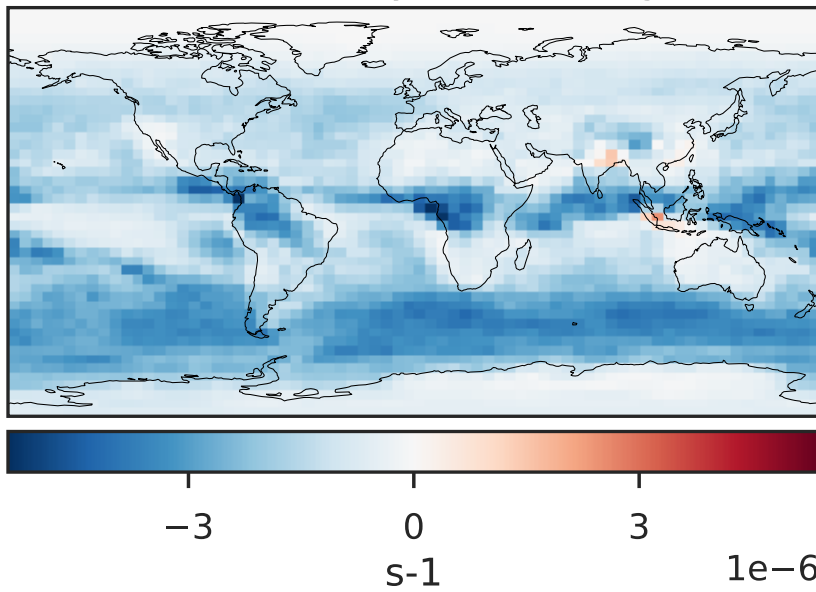
14.2.0-rc.2 (Ref)
4.0x5.0



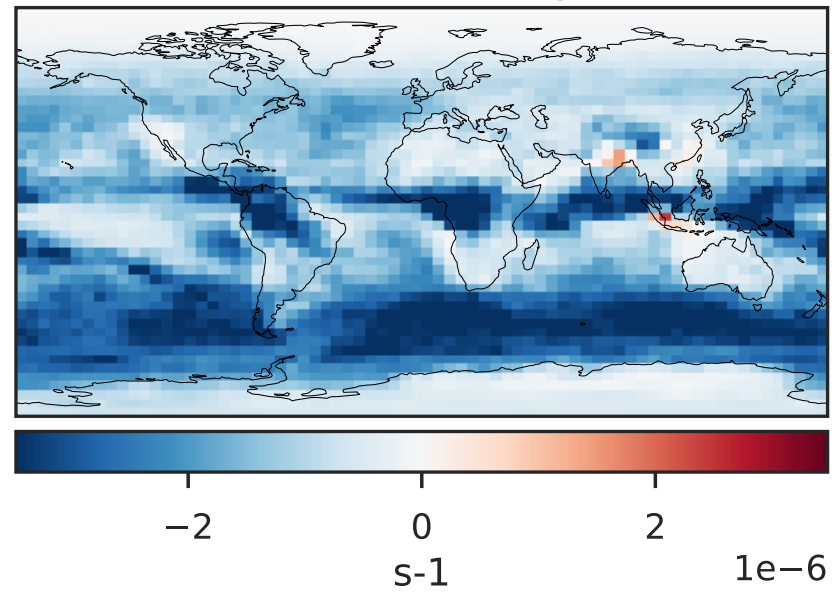
14.3.0-rc.0 (Dev)
4.0x5.0



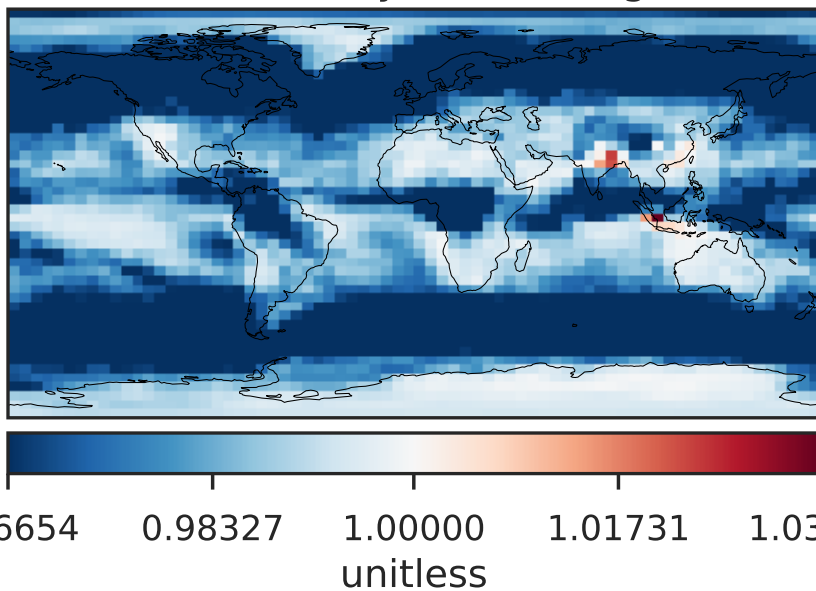
Difference
Dev - Ref, Dynamic Range



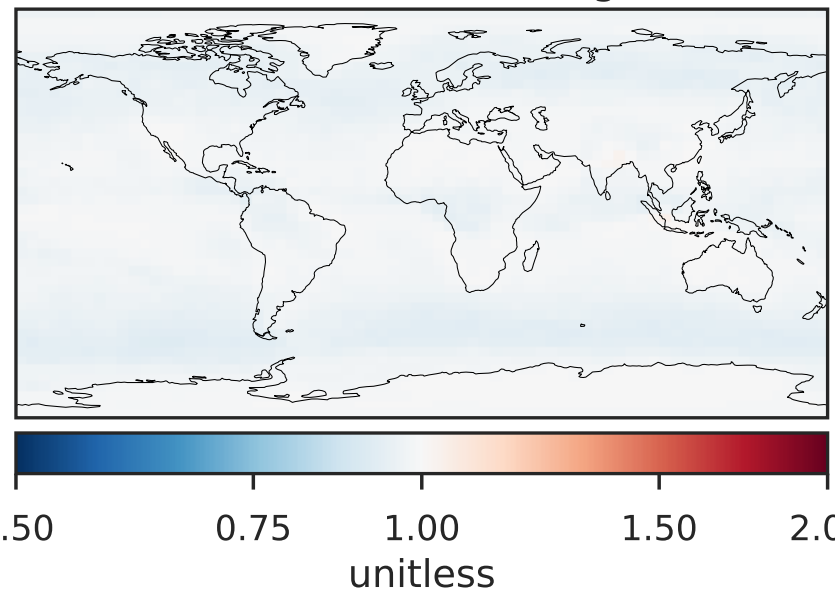
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

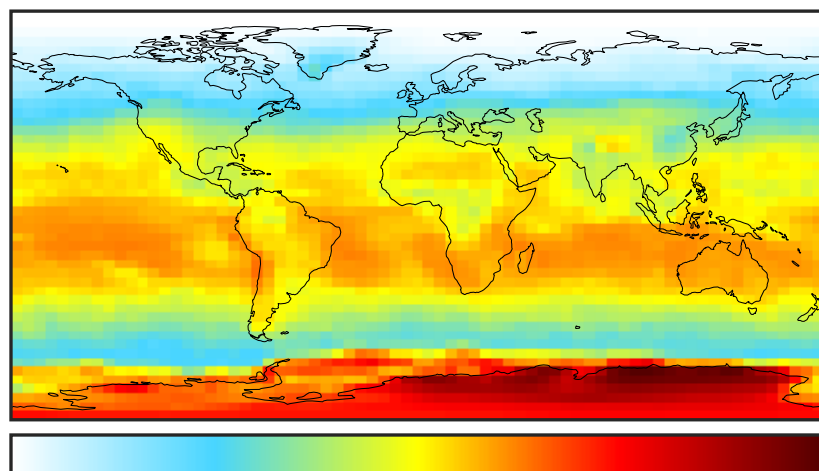


Ratio
Dev/Ref, Fixed Range



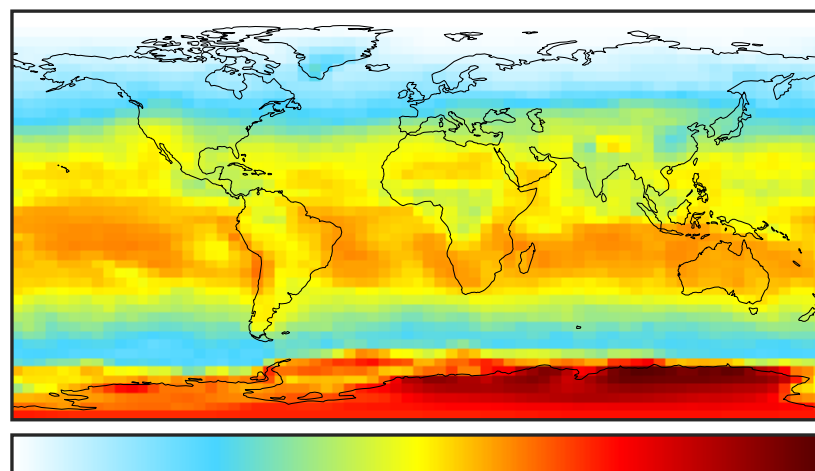
Jval_HOI (Oct2019)

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



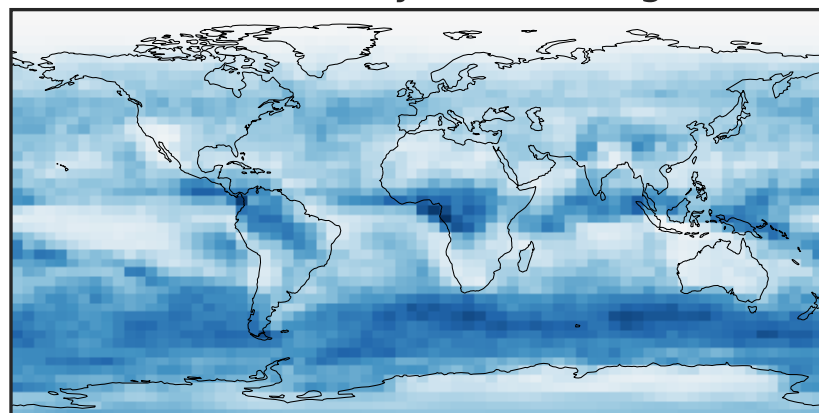
0.0015 0.0030 0.0045
s-1

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



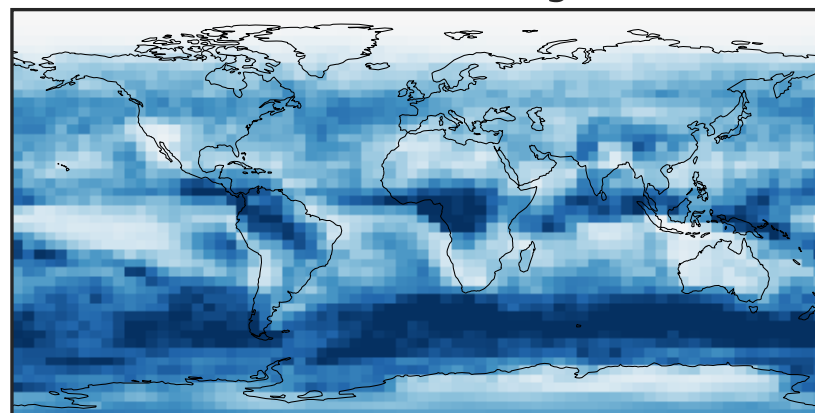
0.0015 0.0030 0.0045
s-1

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



0.9995052 1.0000000 1.0004950
unitless

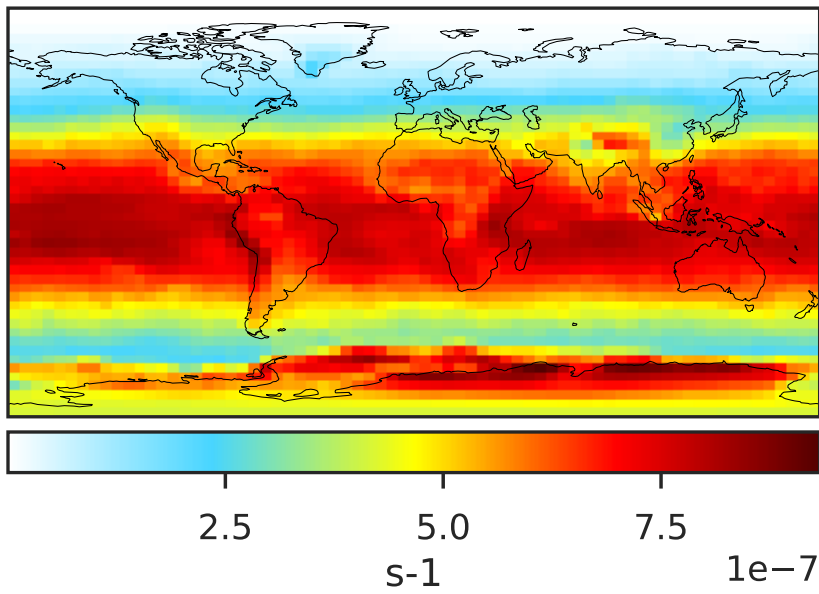
Ratio
Dev/Ref, Fixed Range



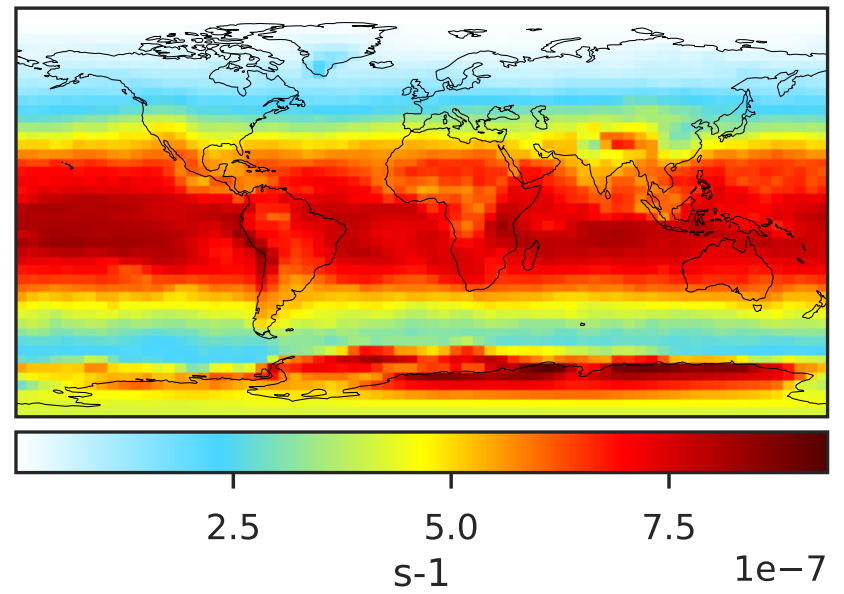
0.50 0.75 1.00 1.50 2.00
unitless

Jval_HONIT (Oct2019)

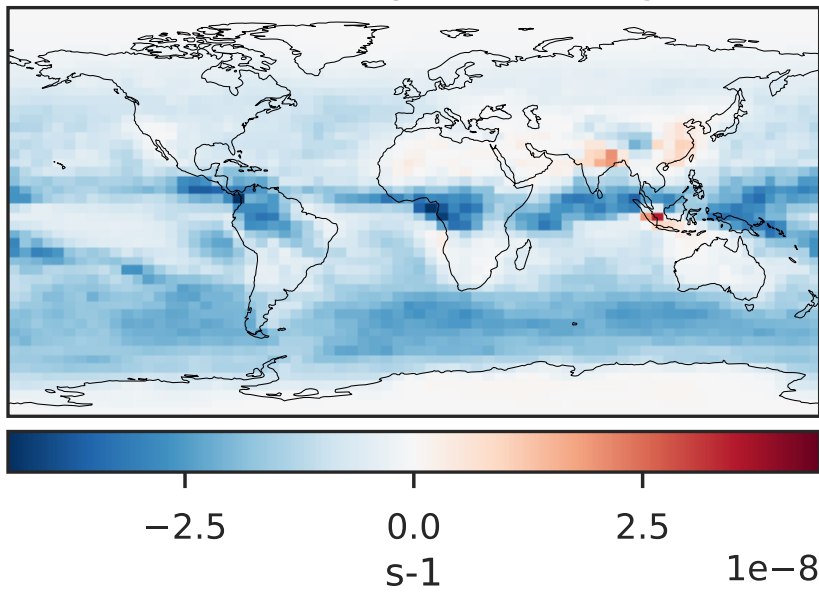
14.2.0-rc.2 (Ref)
4.0x5.0



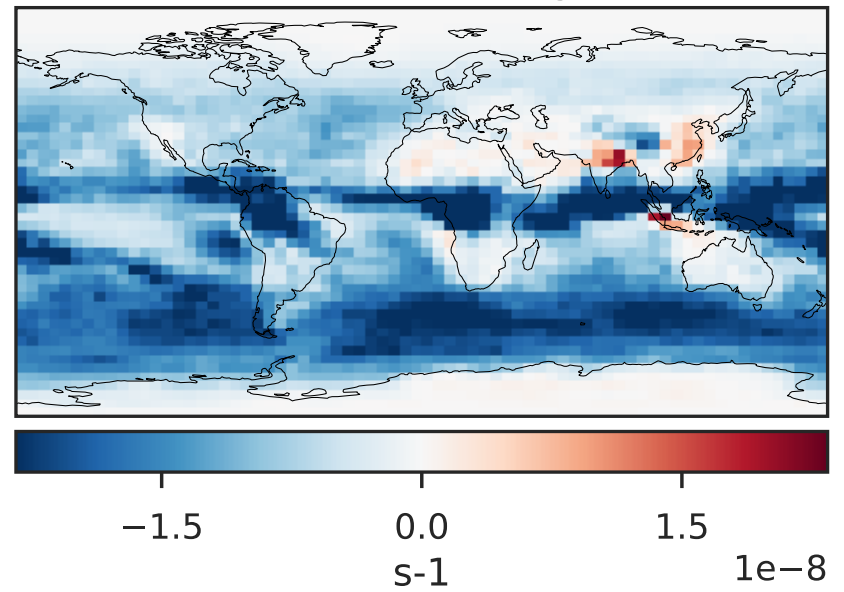
14.3.0-rc.0 (Dev)
4.0x5.0



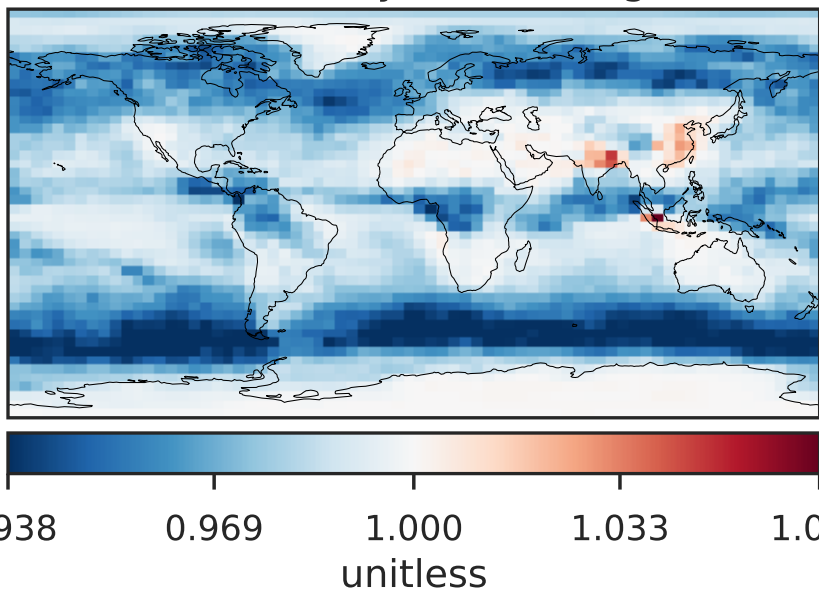
Difference
Dev - Ref, Dynamic Range



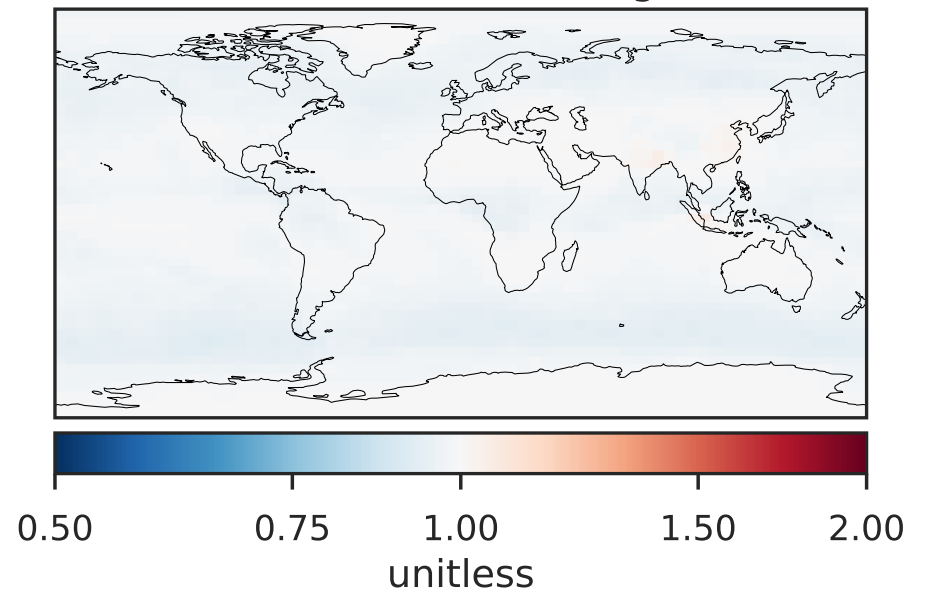
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

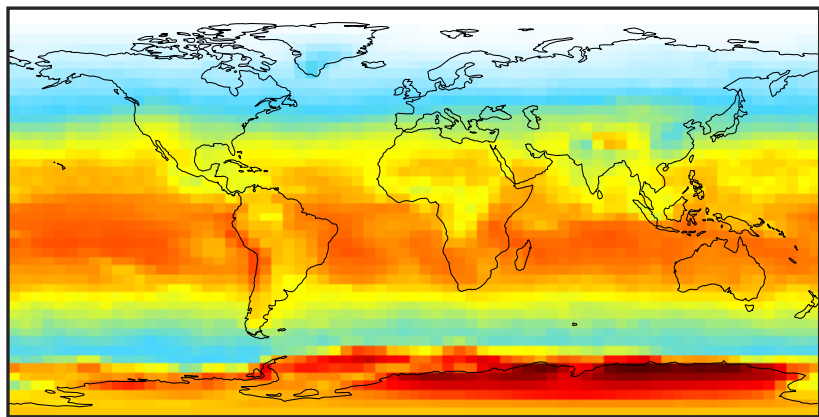


Ratio
Dev/Ref, Fixed Range



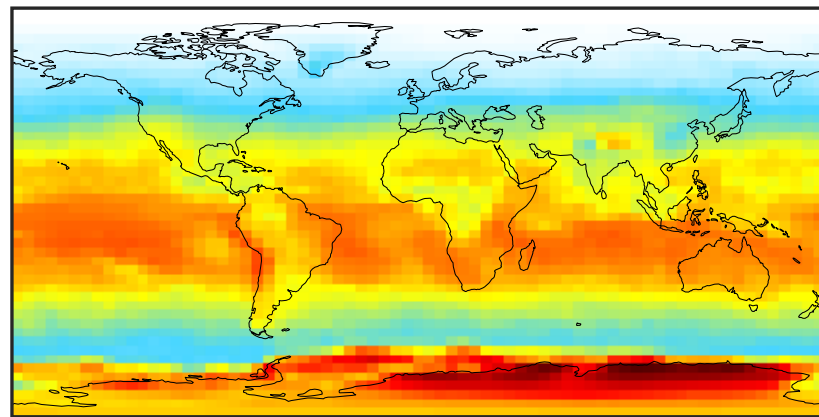
Jval_HPALD1 (Oct2019)

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



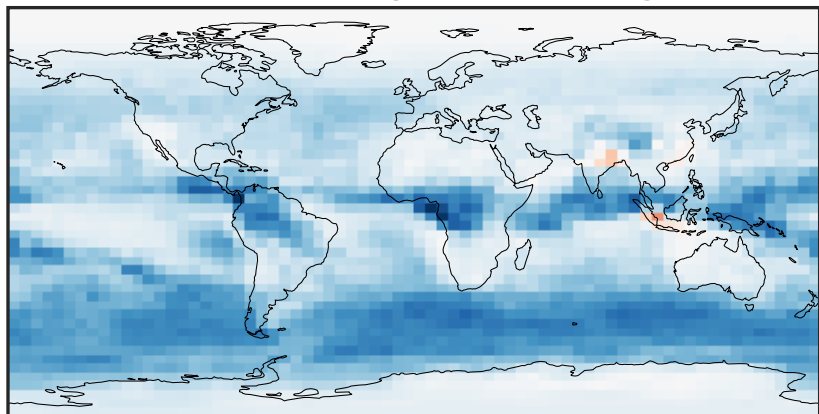
0.00005 0.00010 0.00015
s-1

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



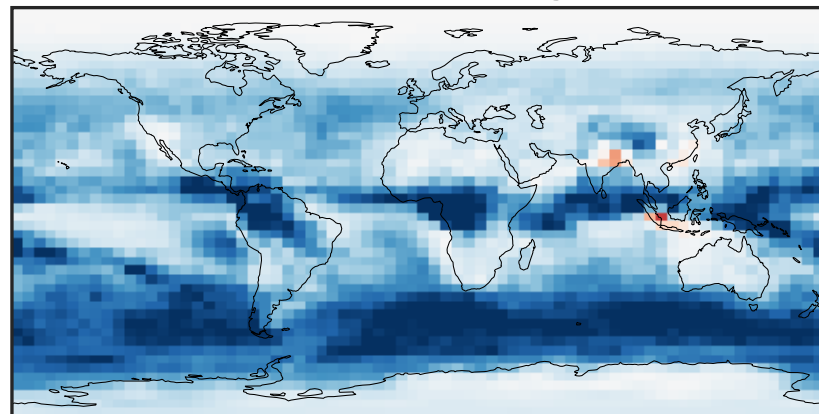
0.00005 0.00010 0.00015
s-1

Difference
Dev - Ref, Dynamic Range



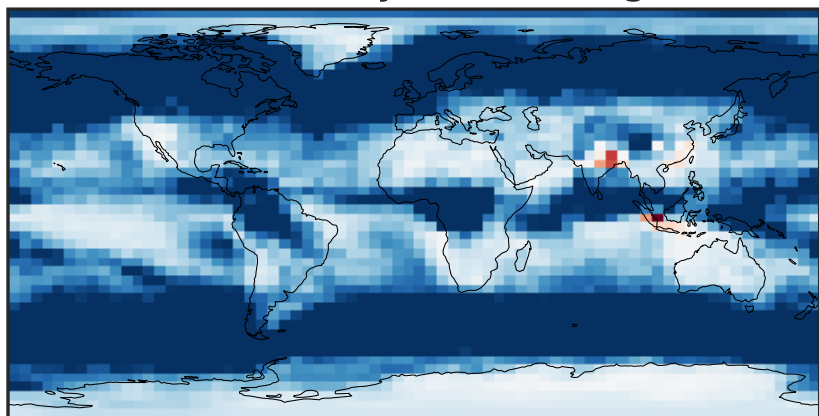
-3 0 3
s-1 1e-6

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



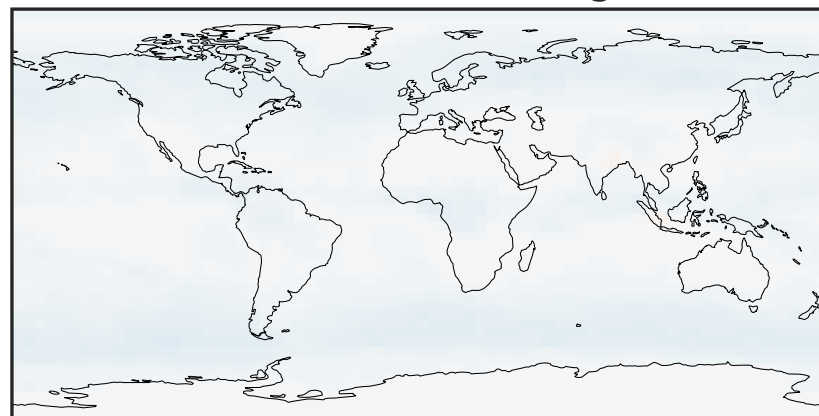
-2 0 2
s-1 1e-6

Ratio
Dev/Ref, Dynamic Range



0.96642 0.98321 1.00000 1.01737 1.03475
unitless

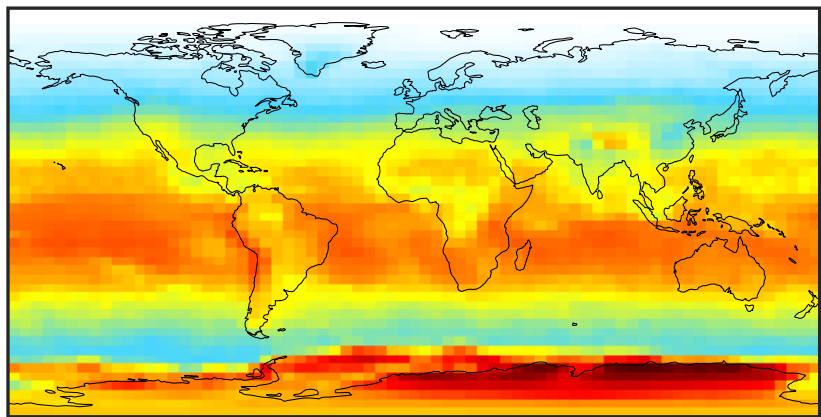
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

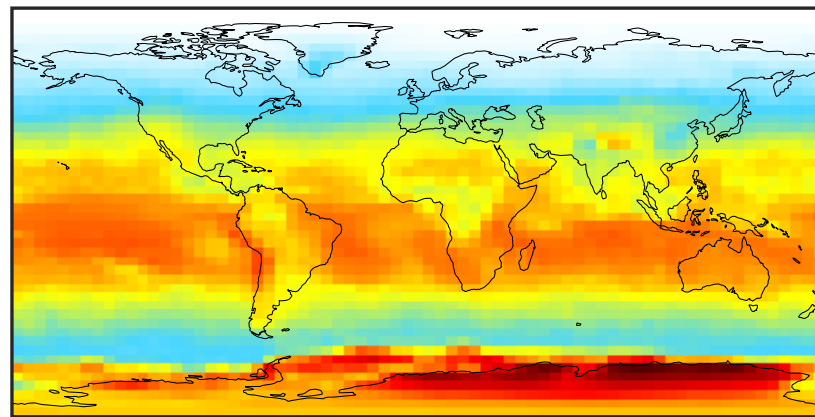
Jval_HPALD2 (Oct2019)

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



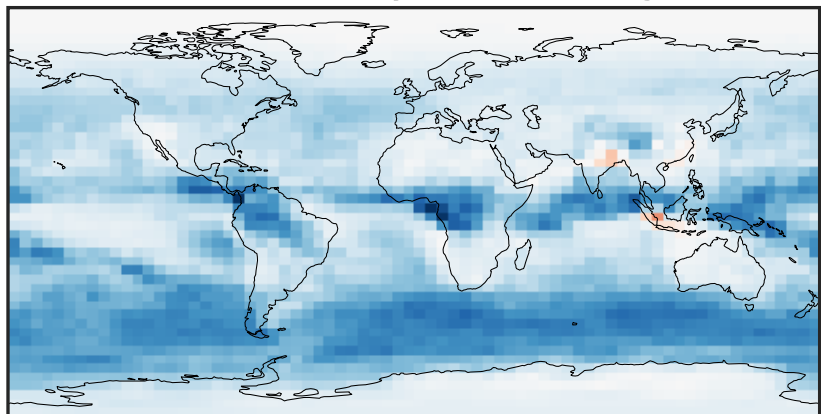
0.00005 0.00010 0.00015
s-1

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



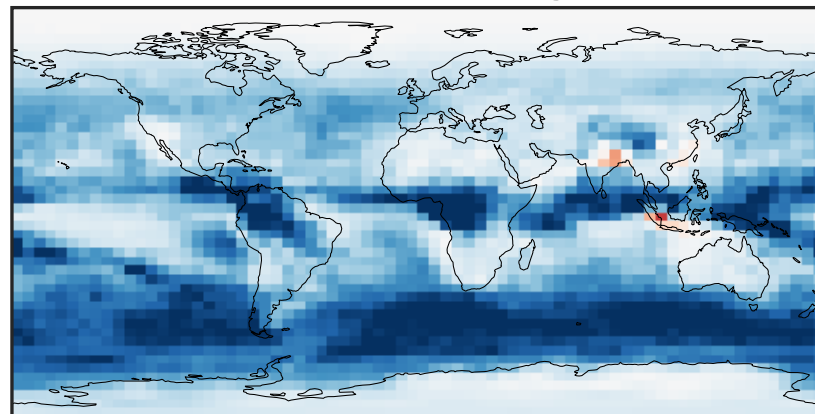
0.00005 0.00010 0.00015
s-1

Difference
Dev - Ref, Dynamic Range



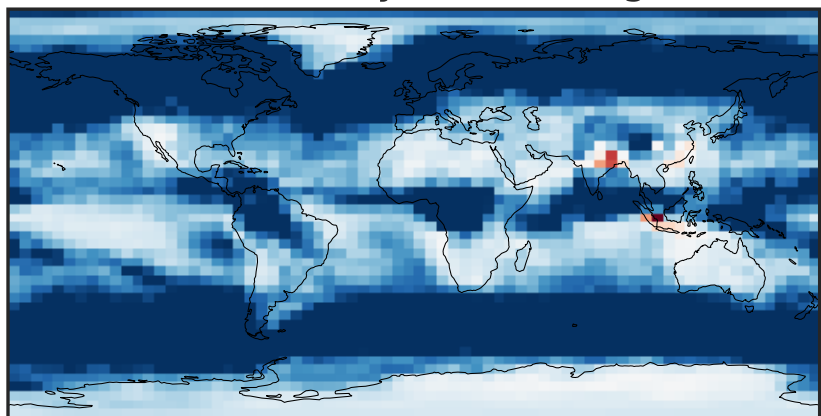
-3 0 3
s-1 1e-6

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



-2 0 2
s-1 1e-6

Ratio
Dev/Ref, Dynamic Range



0.96641 0.98321 1.00000 1.01738 1.03475
unitless

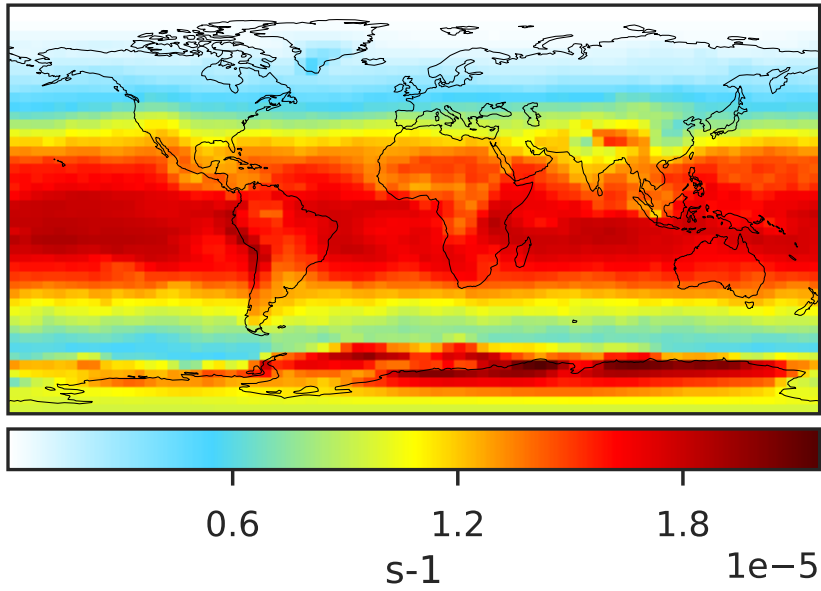
Ratio
Dev/Ref, Fixed Range



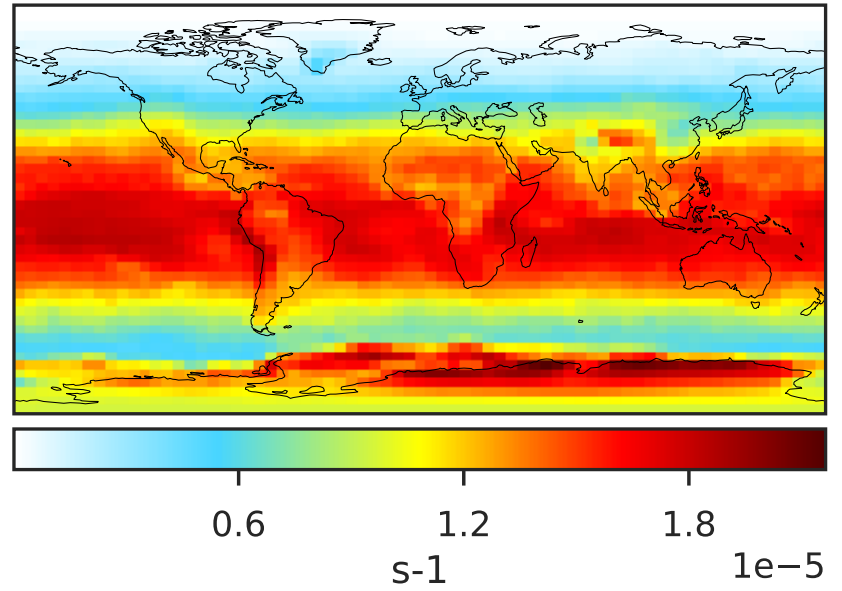
0.50 0.75 1.00 1.50 2.00
unitless

Jval_HPALD3 (Oct2019)

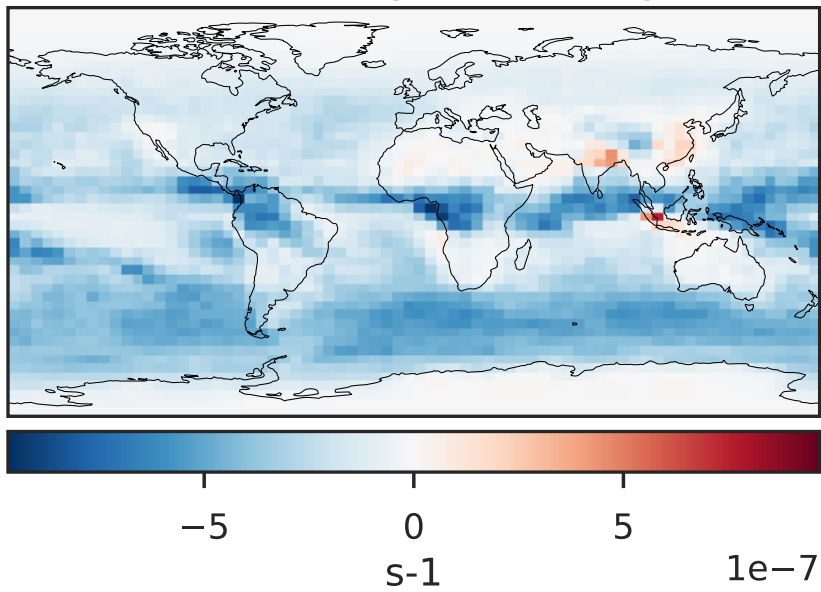
14.2.0-rc.2 (Ref)
4.0x5.0



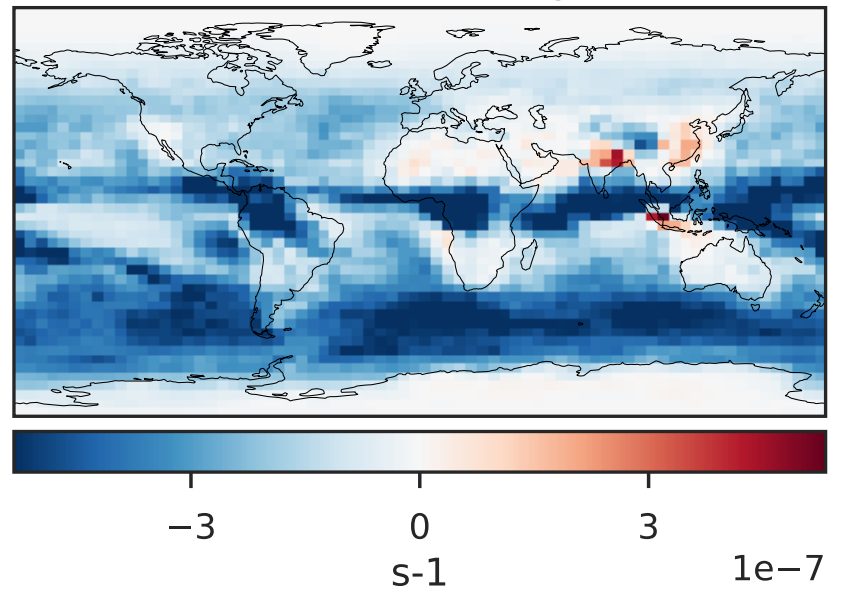
14.3.0-rc.0 (Dev)
4.0x5.0



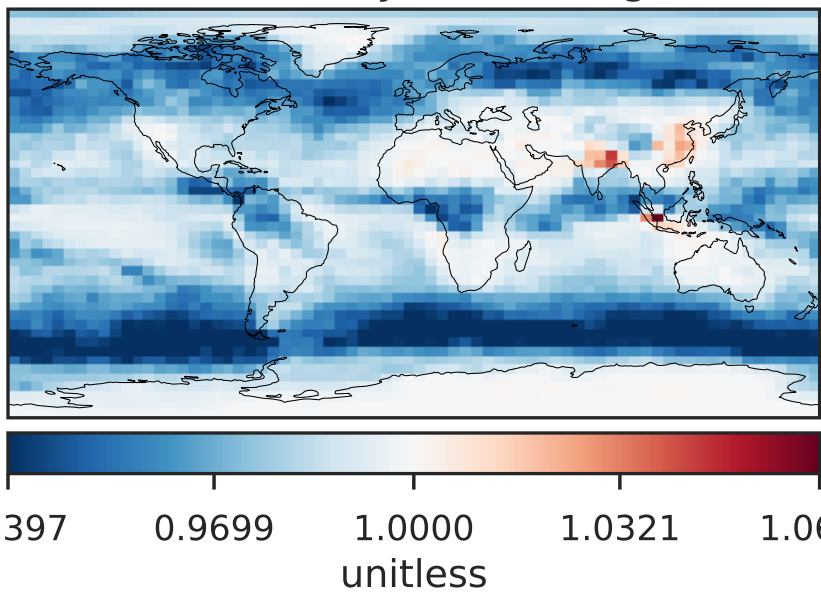
Difference
Dev - Ref, Dynamic Range



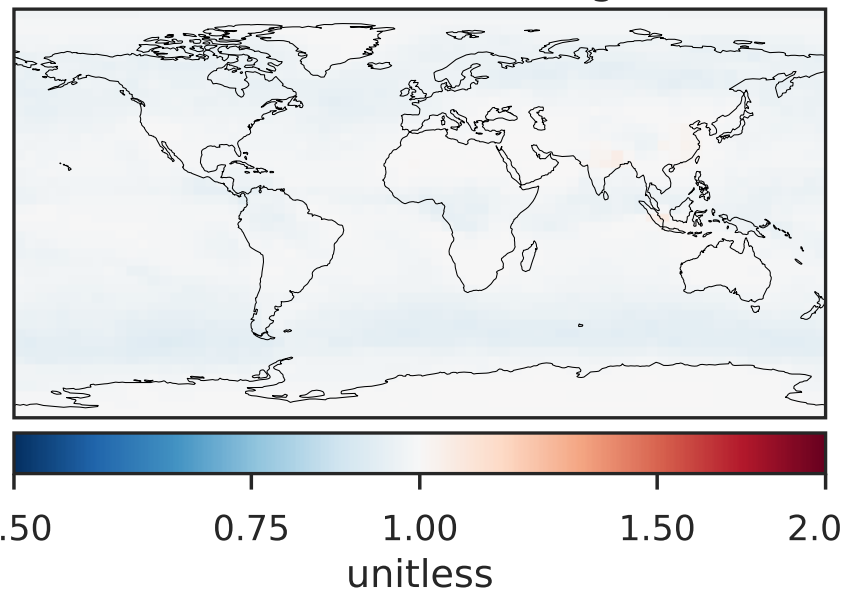
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

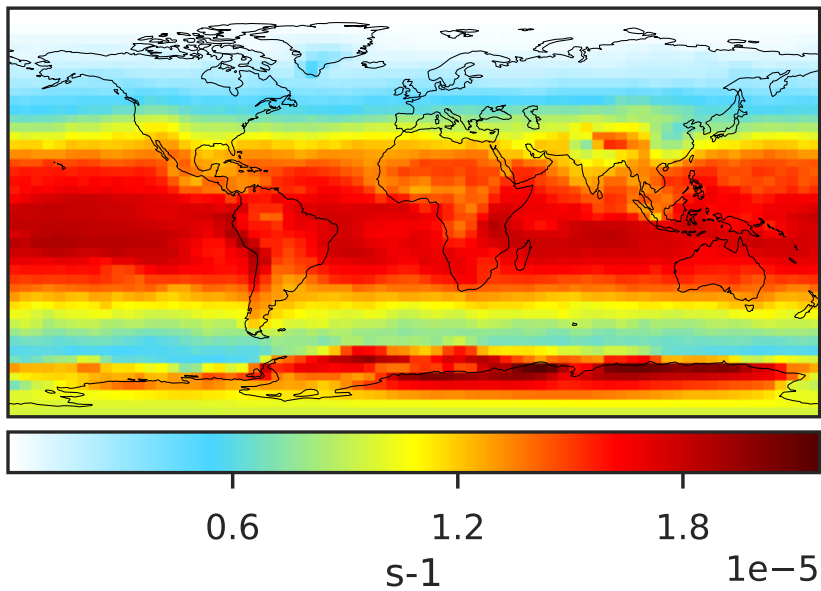


Ratio
Dev/Ref, Fixed Range

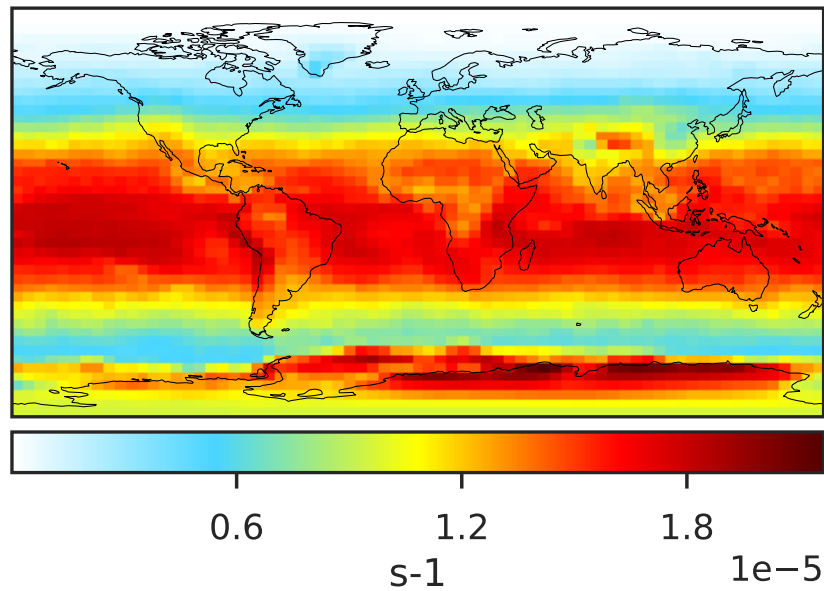


Jval_HPALD4 (Oct2019)

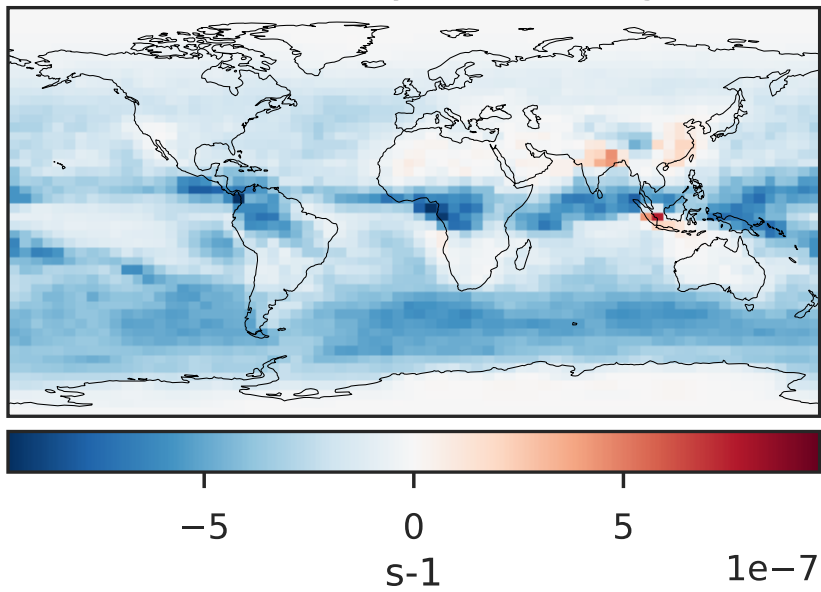
14.2.0-rc.2 (Ref)
4.0x5.0



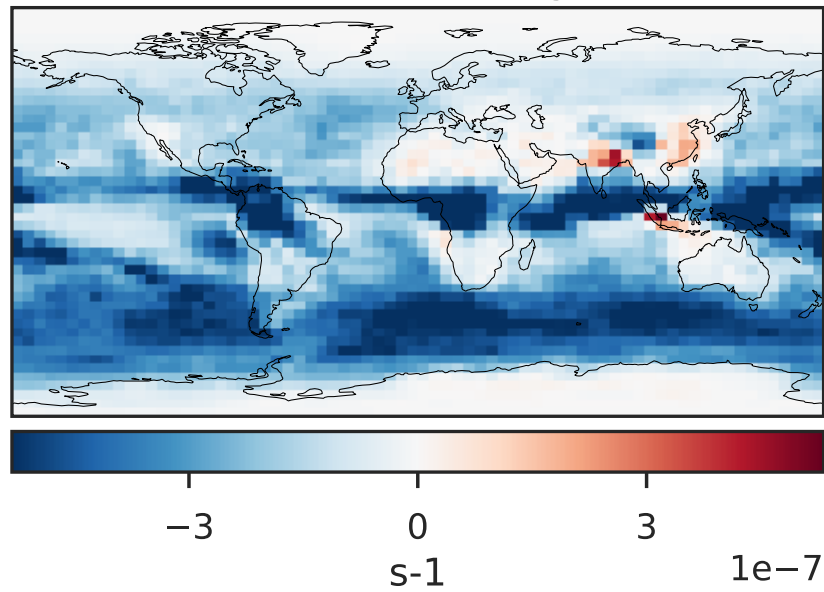
14.3.0-rc.0 (Dev)
4.0x5.0



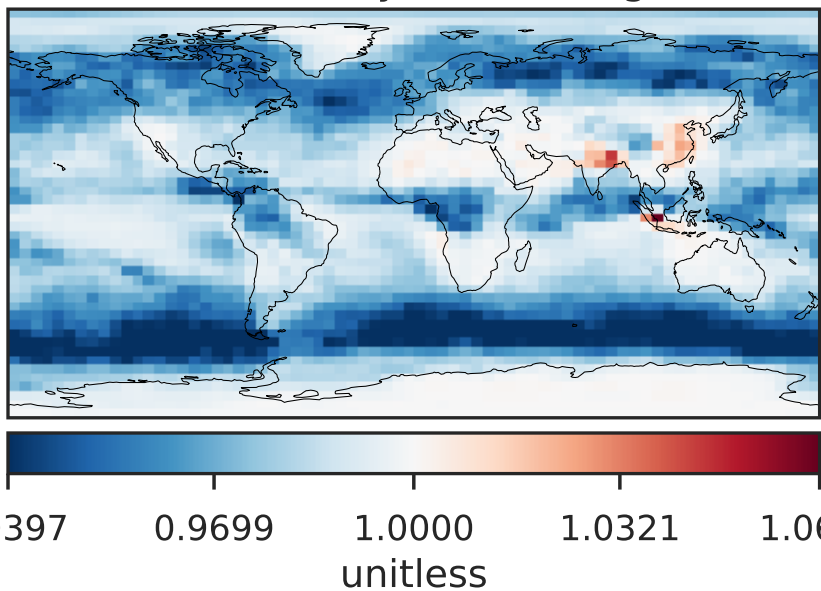
Difference
Dev - Ref, Dynamic Range



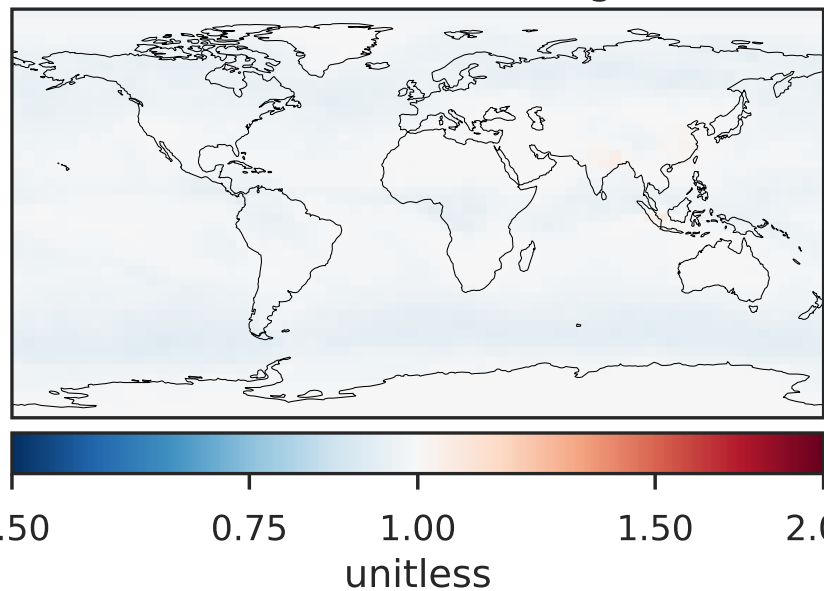
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

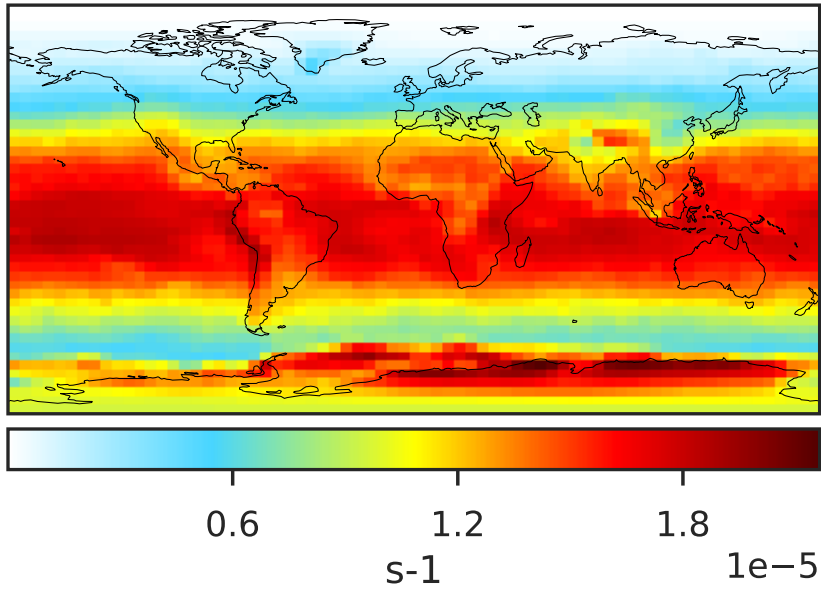


Ratio
Dev/Ref, Fixed Range

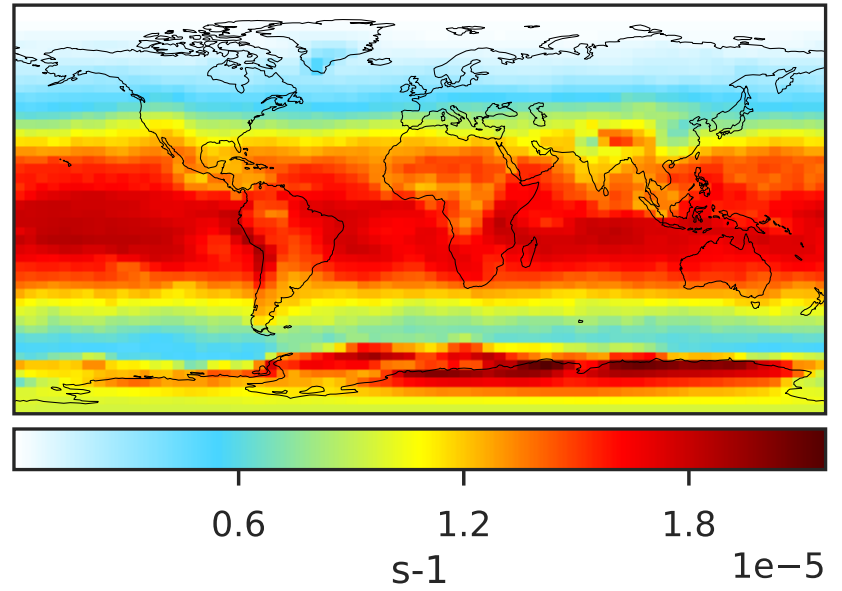


Jval_HPETHNL (Oct2019)

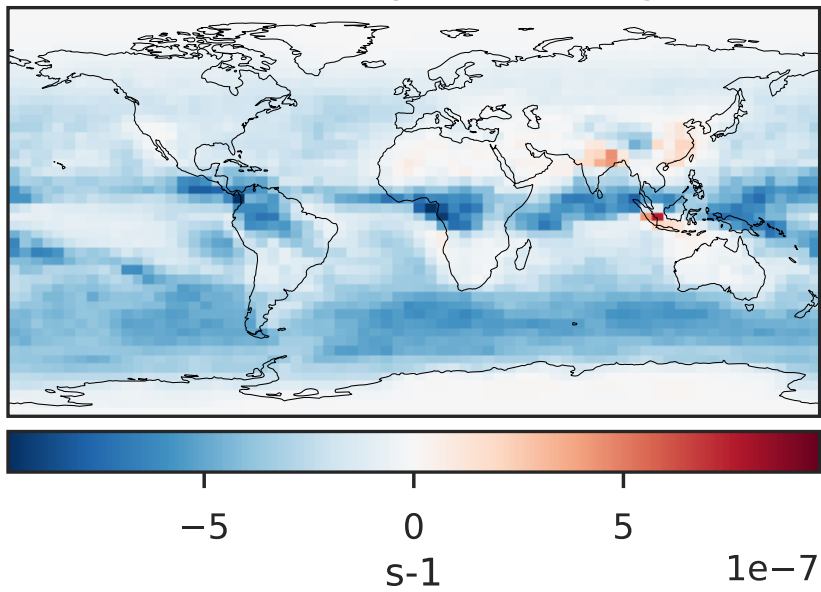
14.2.0-rc.2 (Ref)
4.0x5.0



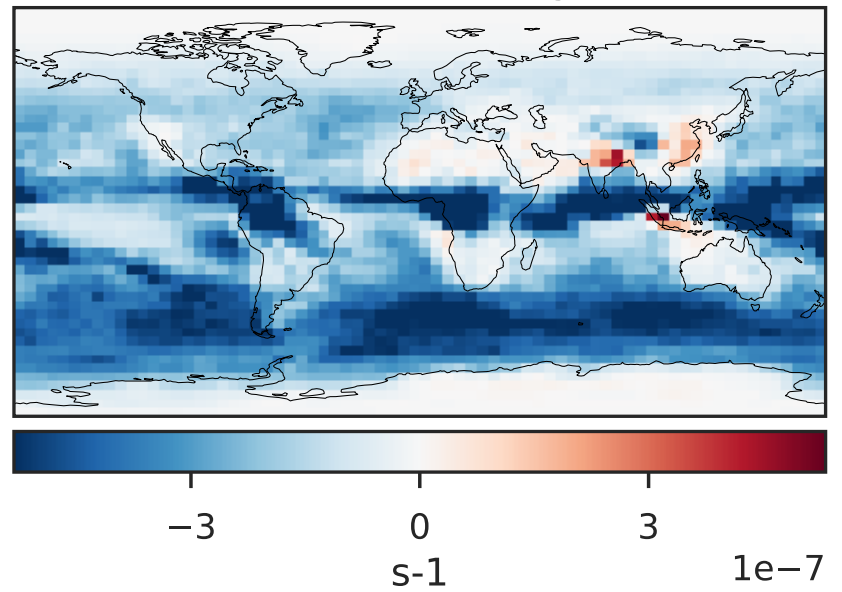
14.3.0-rc.0 (Dev)
4.0x5.0



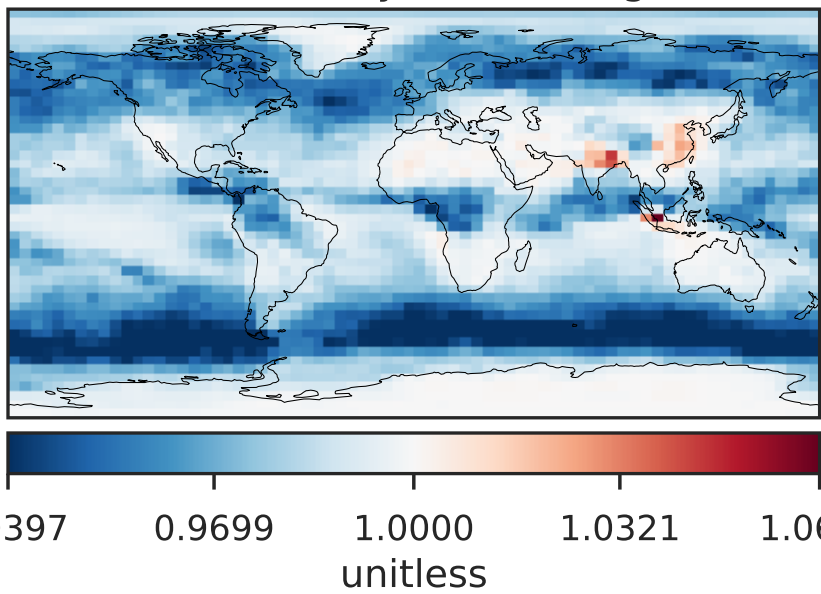
Difference
Dev - Ref, Dynamic Range



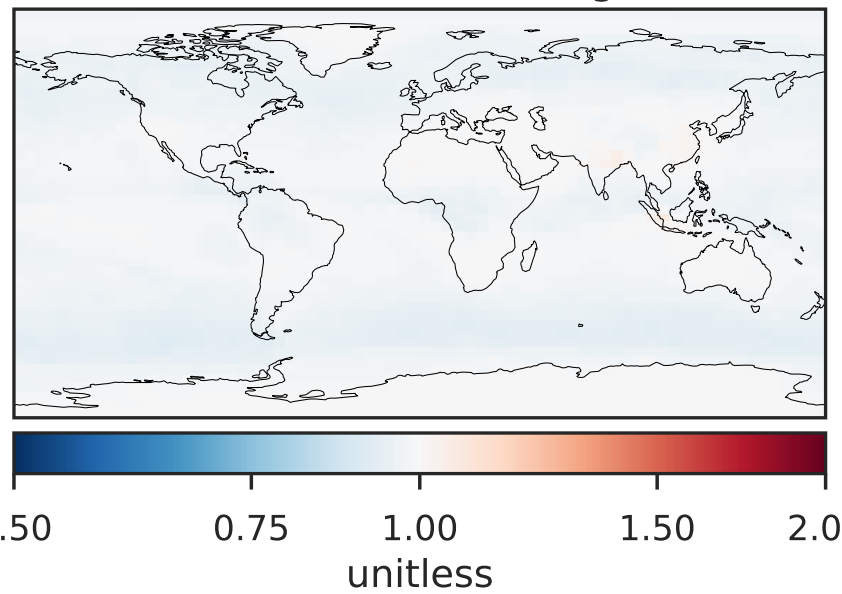
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

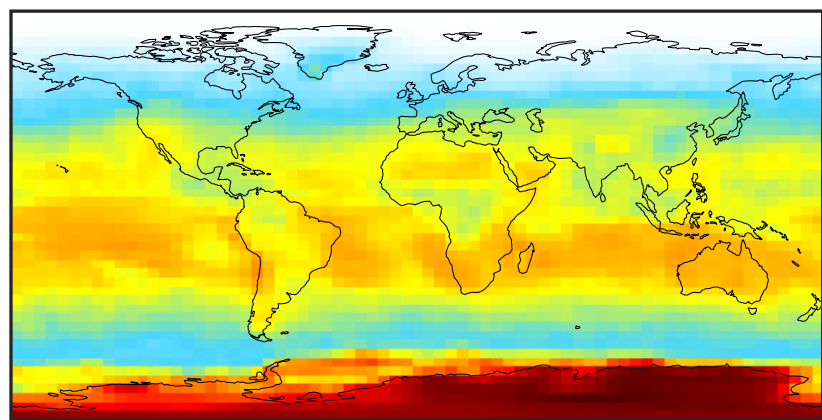


Ratio
Dev/Ref, Fixed Range



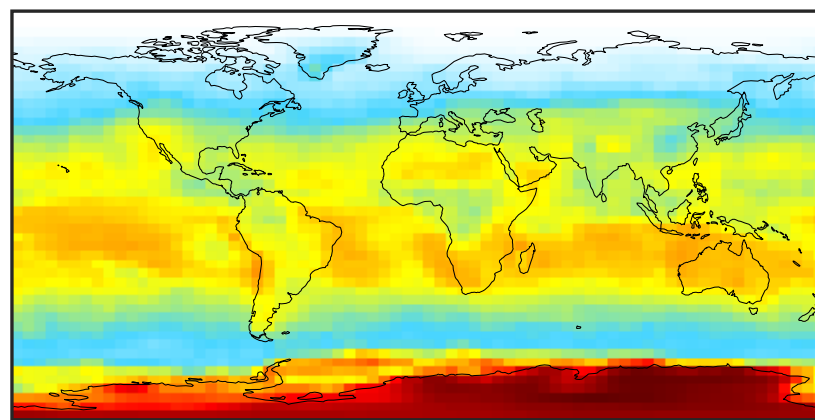
Jval_I2 (Oct2019)

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



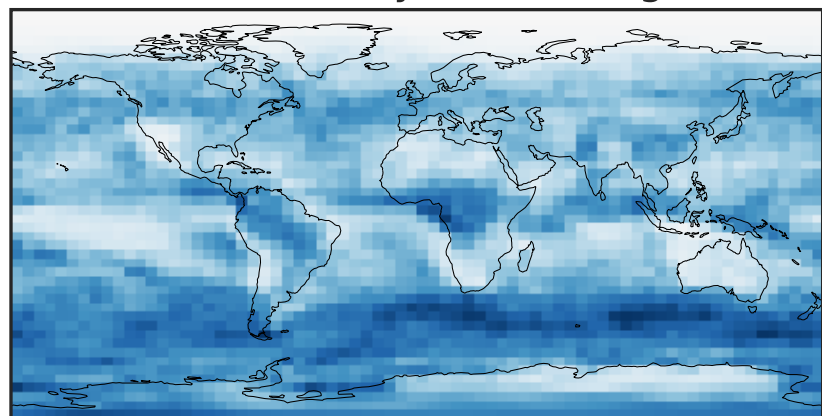
0.000 0.037 0.074 0.111 0.148
s-1

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



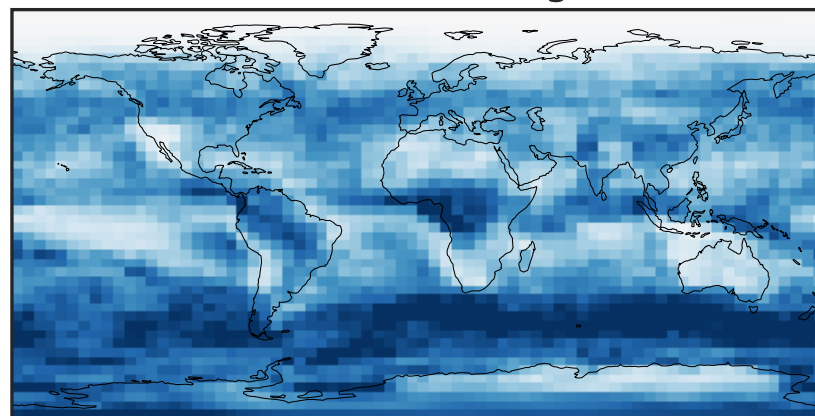
0.000 0.037 0.074 0.111 0.148
s-1

Difference
Dev - Ref, Dynamic Range



-0.003 0.000 0.003
s-1

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



-0.0025 0.0000 0.0025
s-1

Ratio
Dev/Ref, Dynamic Range



0.997665 0.998833 1.000000 1.001170 1.002340
unitless

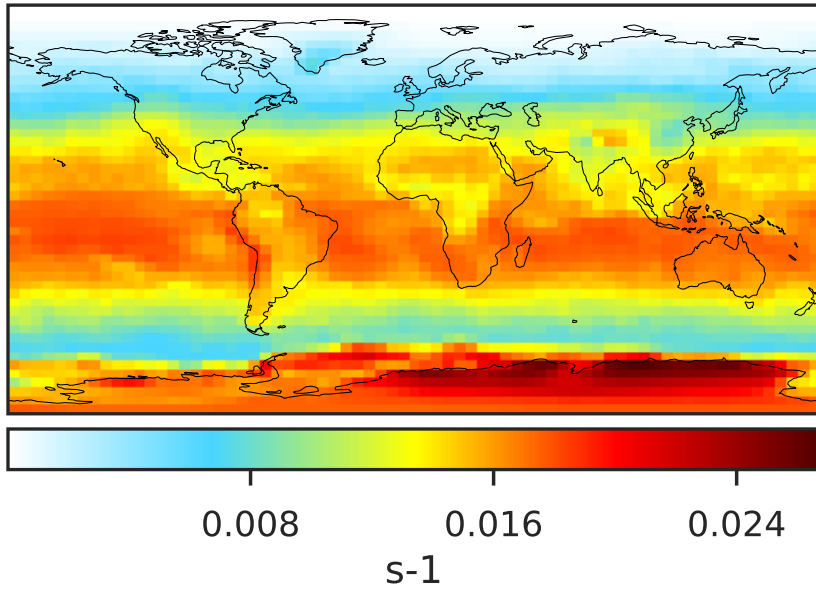
Ratio
Dev/Ref, Fixed Range



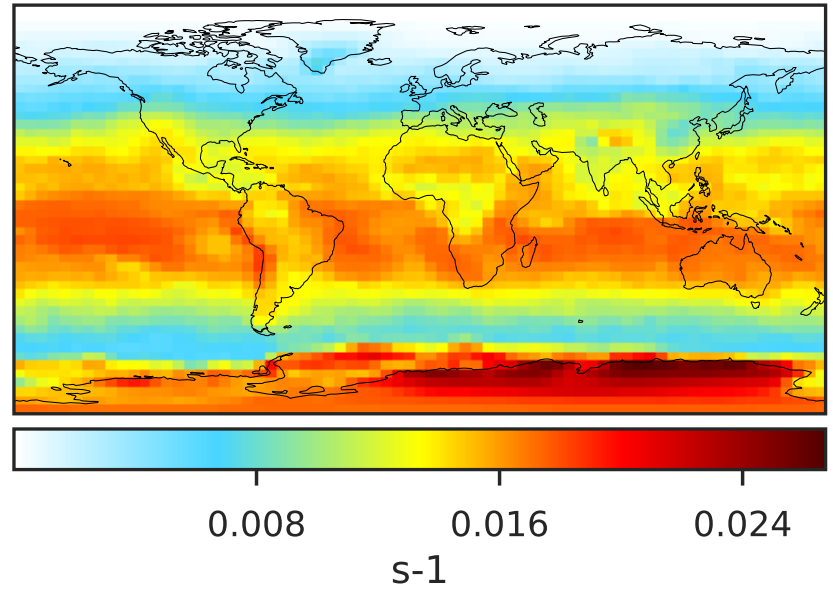
0.50 0.75 1.00 1.50 2.00
unitless

Jval_I202 (Oct2019)

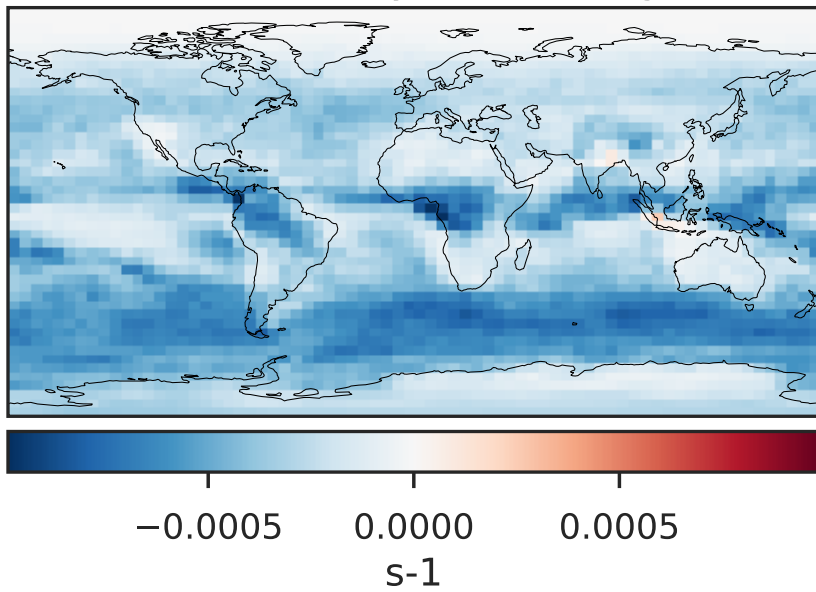
14.2.0-rc.2 (Ref)
4.0x5.0



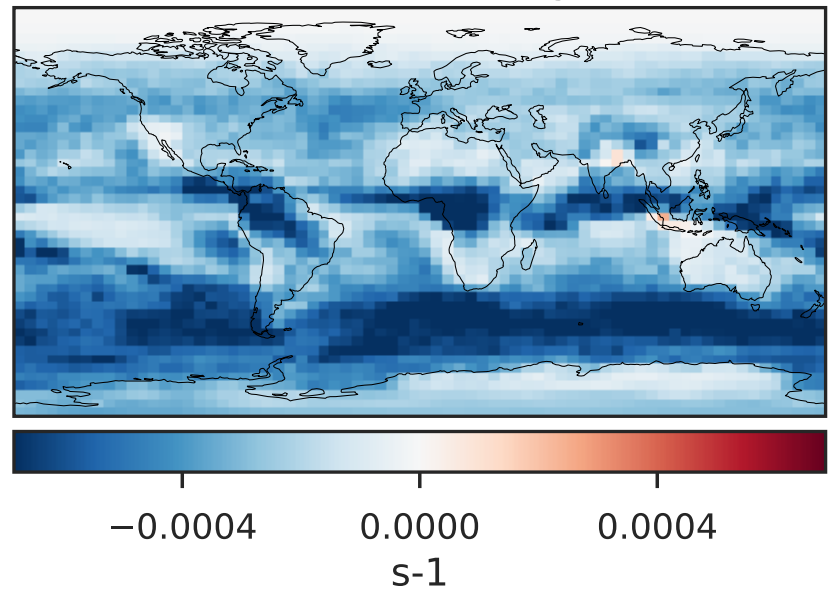
14.3.0-rc.0 (Dev)
4.0x5.0



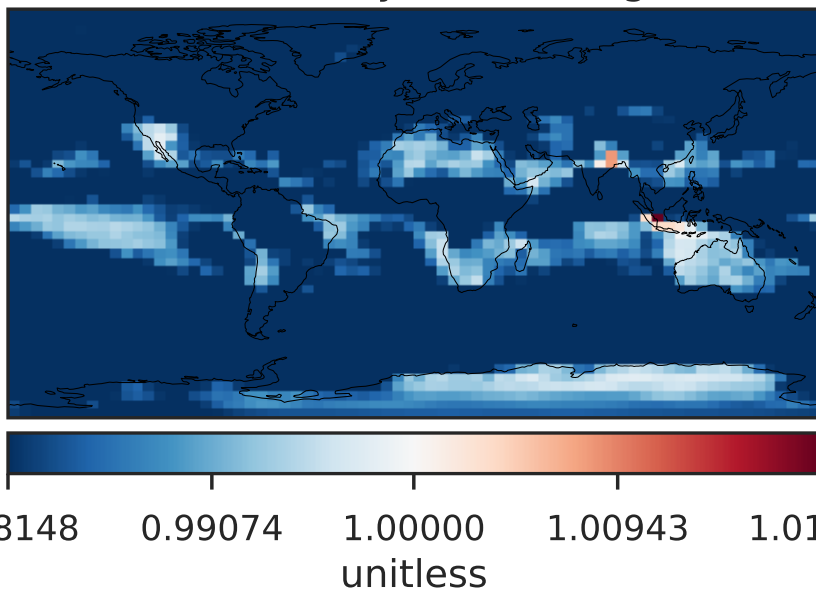
Difference
Dev - Ref, Dynamic Range



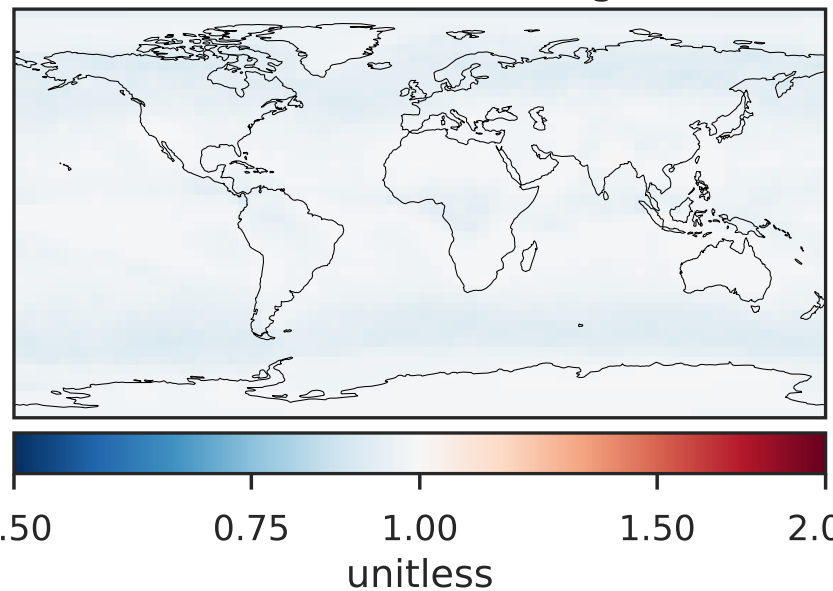
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

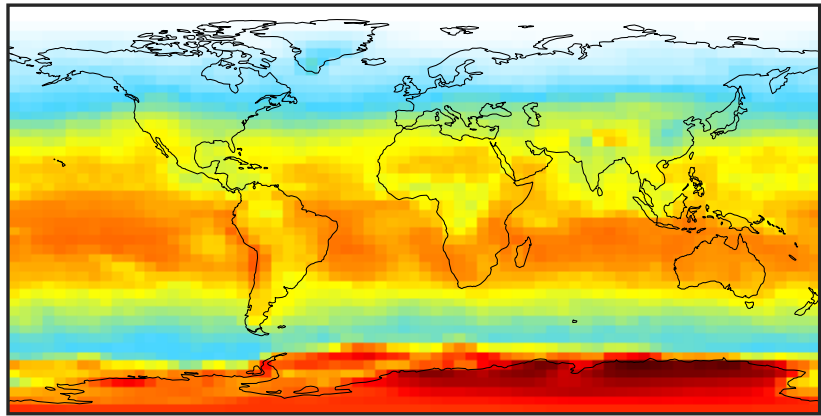


Ratio
Dev/Ref, Fixed Range



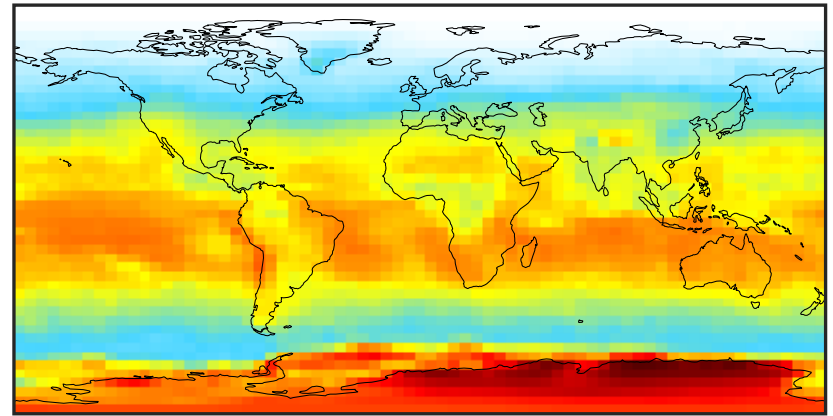
Jval_I203 (Oct2019)

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



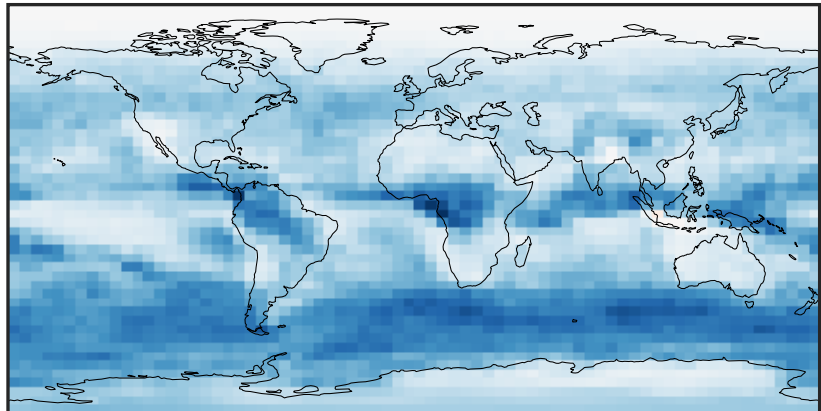
0.008 0.016 0.024
s-1

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



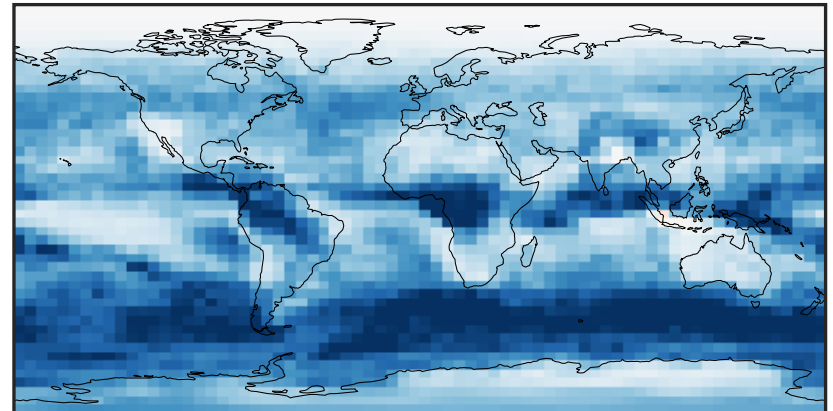
0.008 0.016 0.024
s-1

Difference
Dev - Ref, Dynamic Range



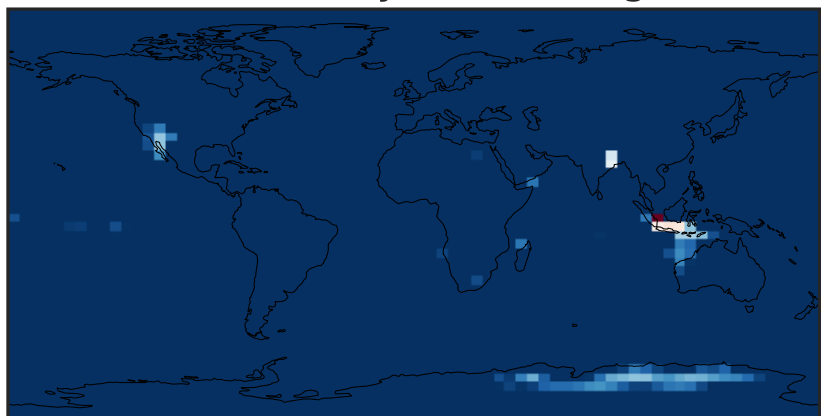
-0.0005 0.0000 0.0005
s-1

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



-0.0004 0.0000 0.0004
s-1

Ratio
Dev/Ref, Dynamic Range



0.99371 0.99686 1.00000 1.00316 1.00632
unitless

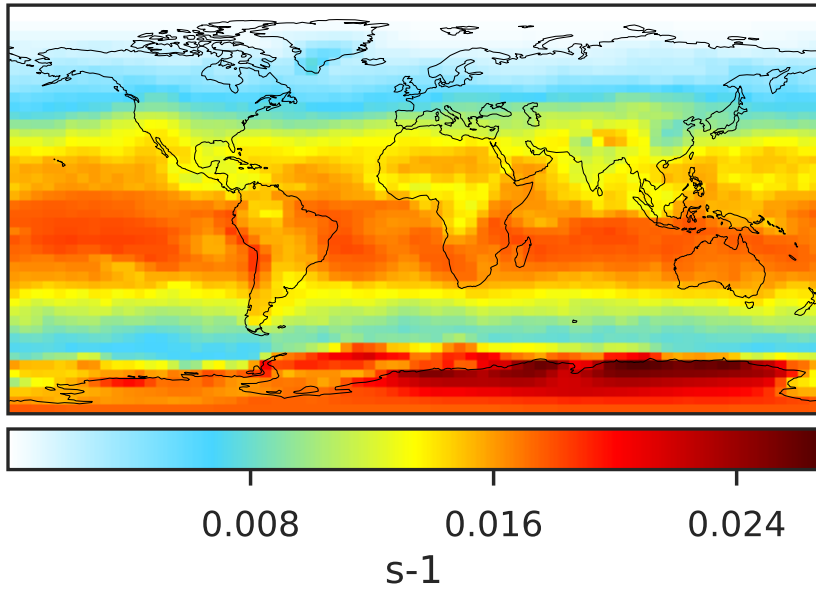
Ratio
Dev/Ref, Fixed Range



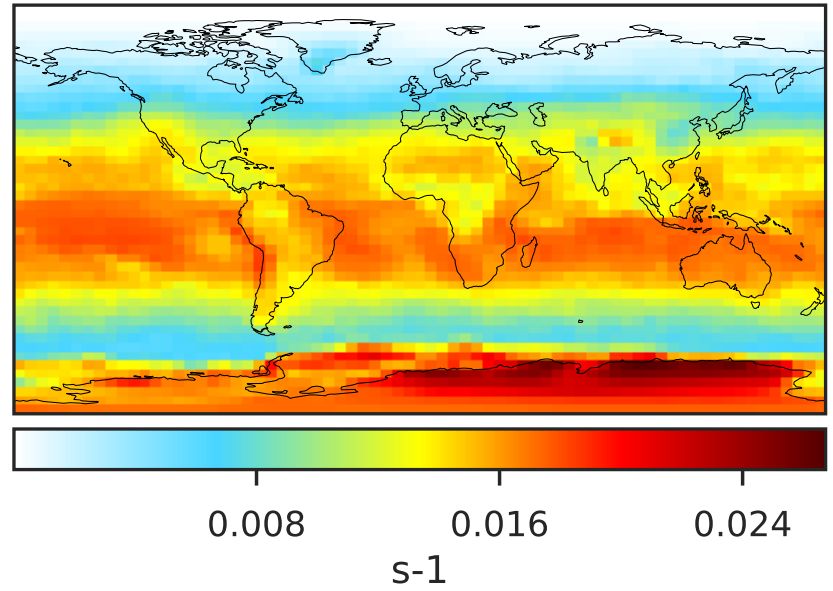
0.50 0.75 1.00 1.50 2.00
unitless

Jval_I204 (Oct2019)

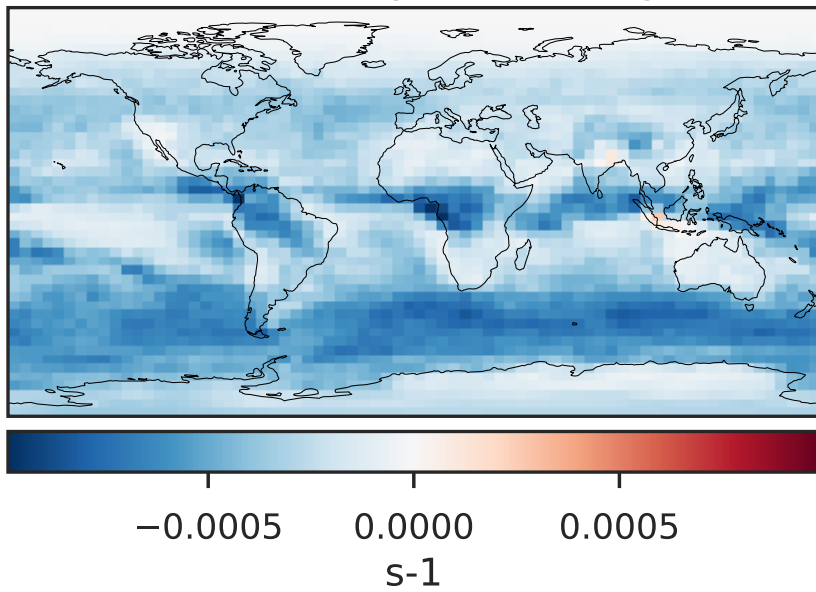
14.2.0-rc.2 (Ref)
4.0x5.0



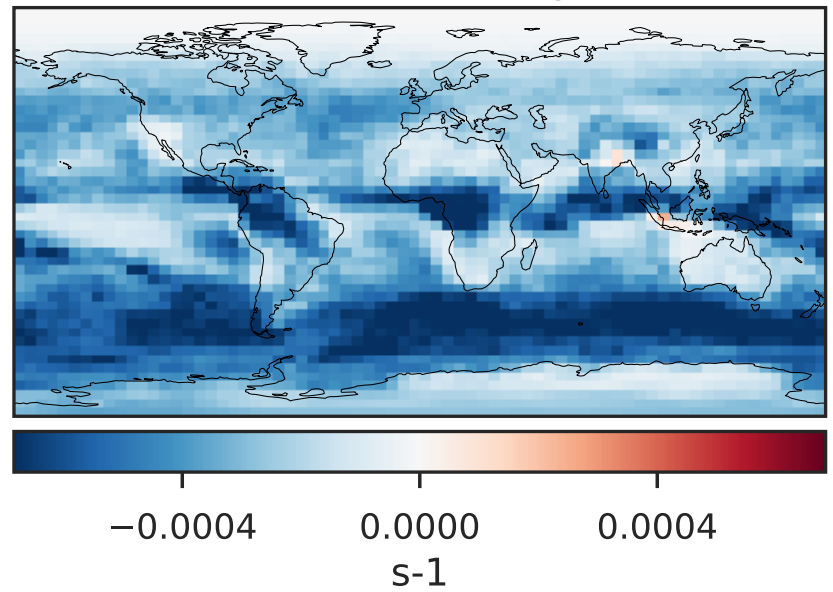
14.3.0-rc.0 (Dev)
4.0x5.0



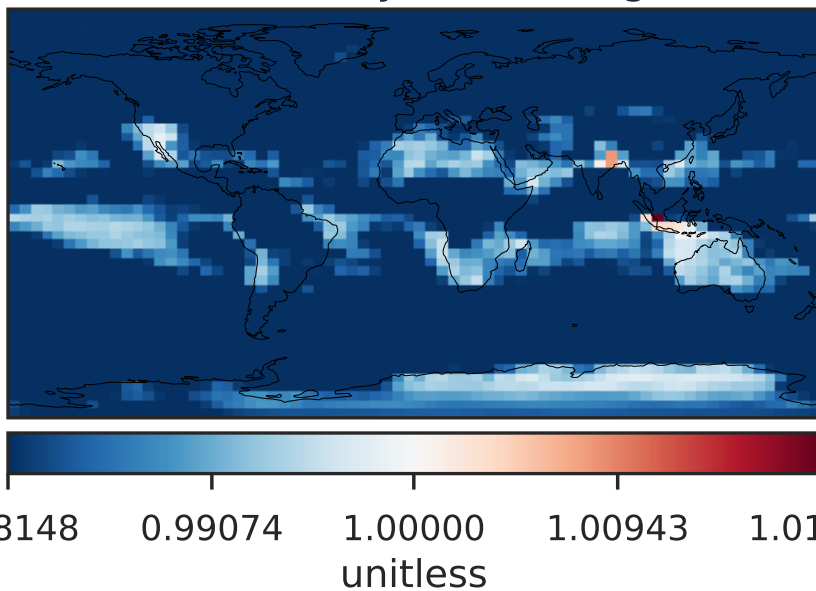
Difference
Dev - Ref, Dynamic Range



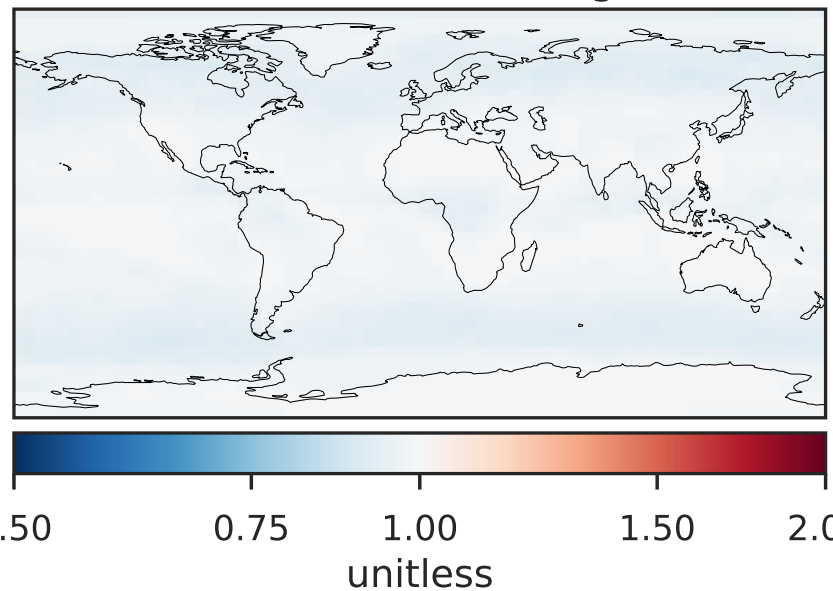
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

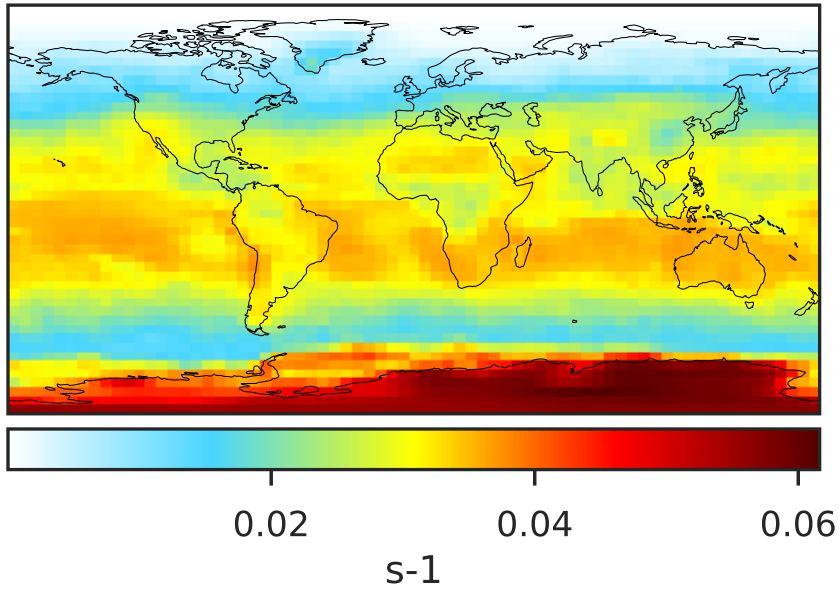


Ratio
Dev/Ref, Fixed Range

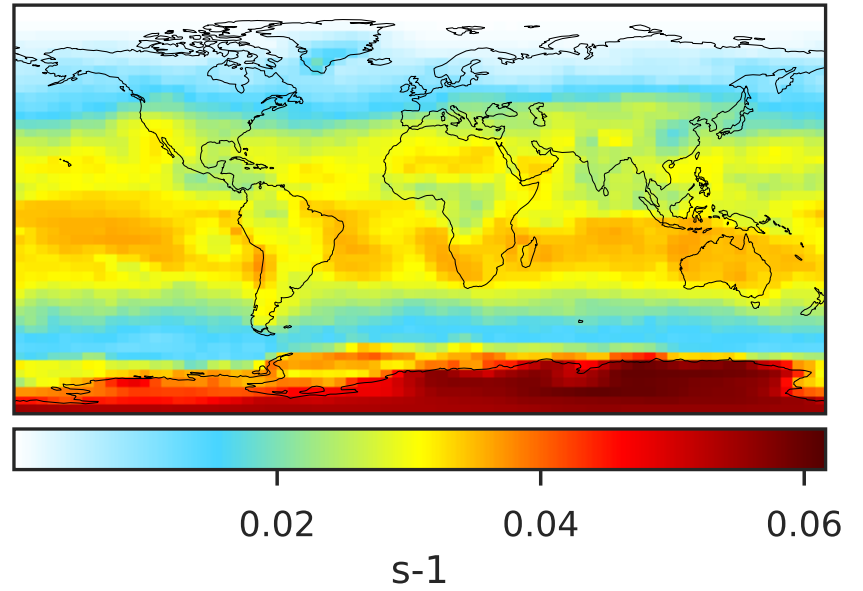


Jval_IBr (Oct2019)

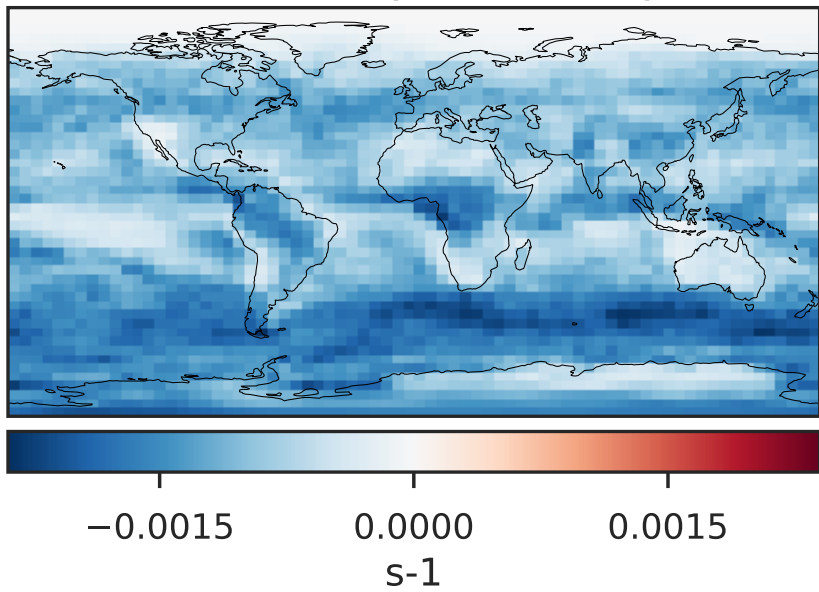
14.2.0-rc.2 (Ref)
4.0x5.0



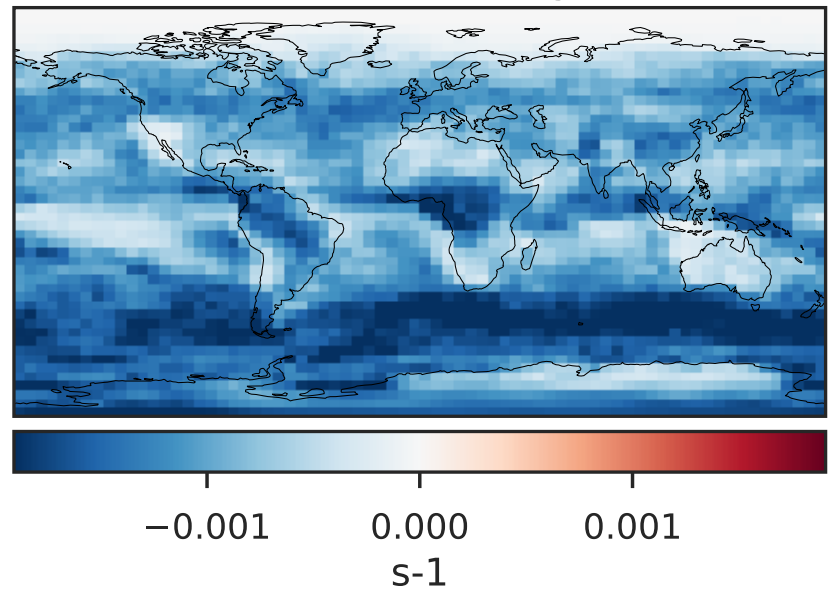
14.3.0-rc.0 (Dev)
4.0x5.0



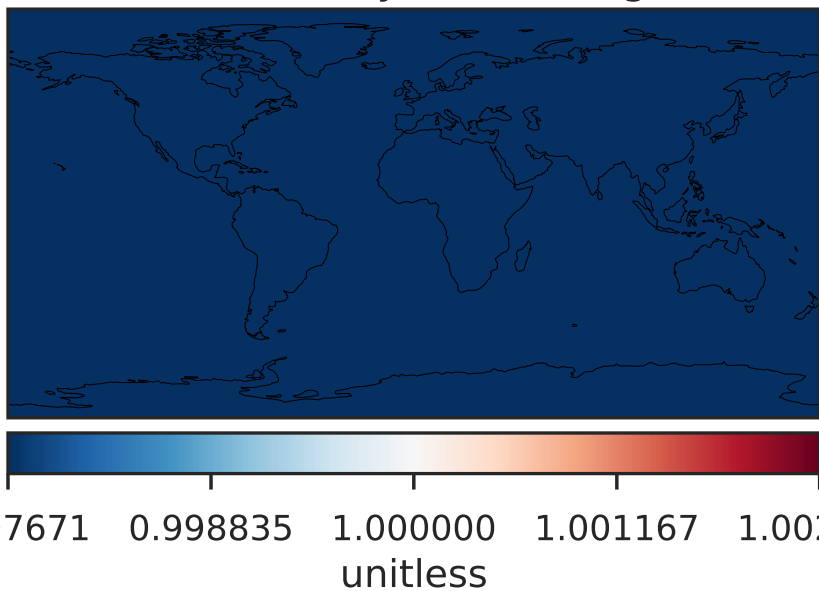
Difference
Dev - Ref, Dynamic Range



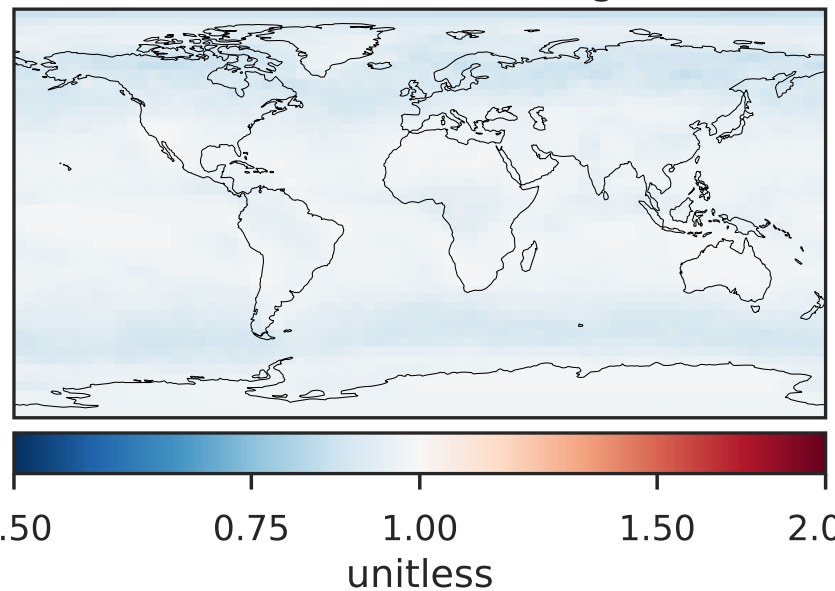
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

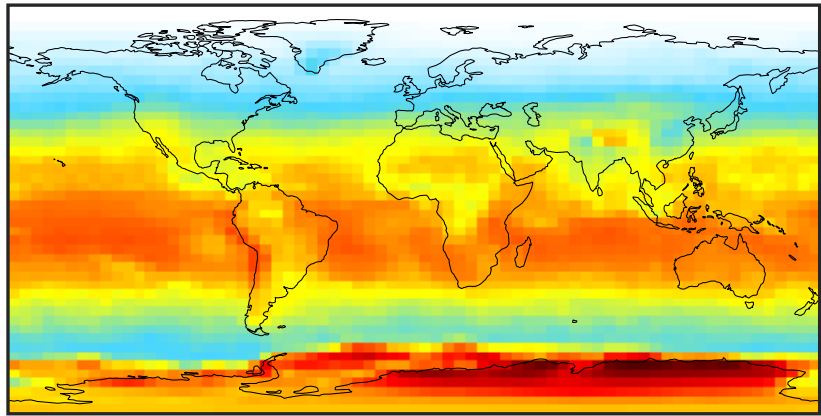


Ratio
Dev/Ref, Fixed Range



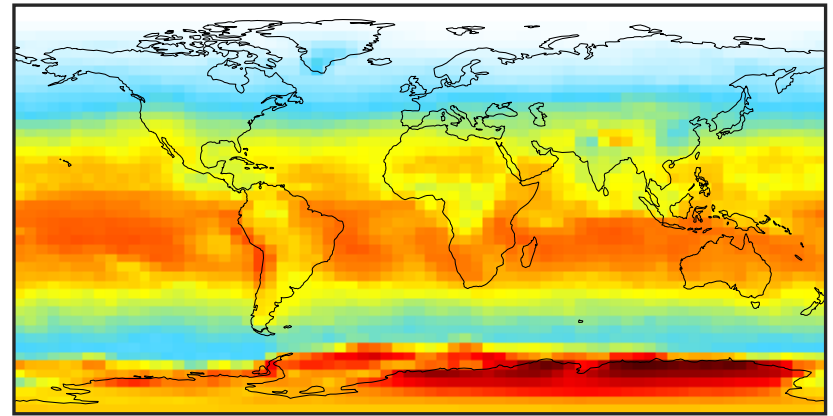
Jval_ICN (Oct2019)

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



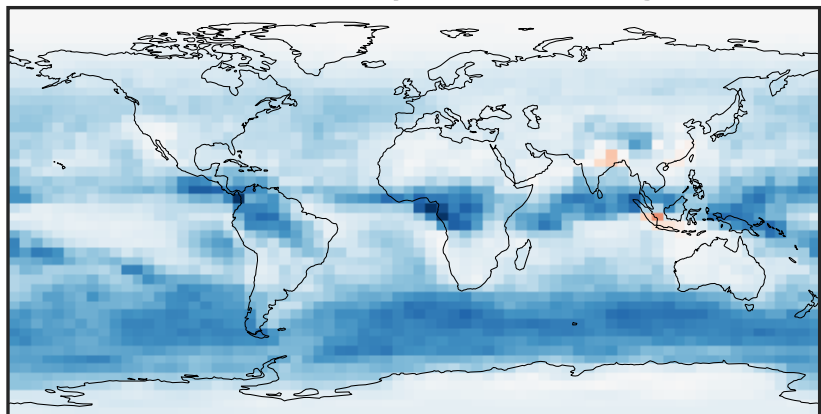
0.00005 0.00010 0.00015
s-1

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



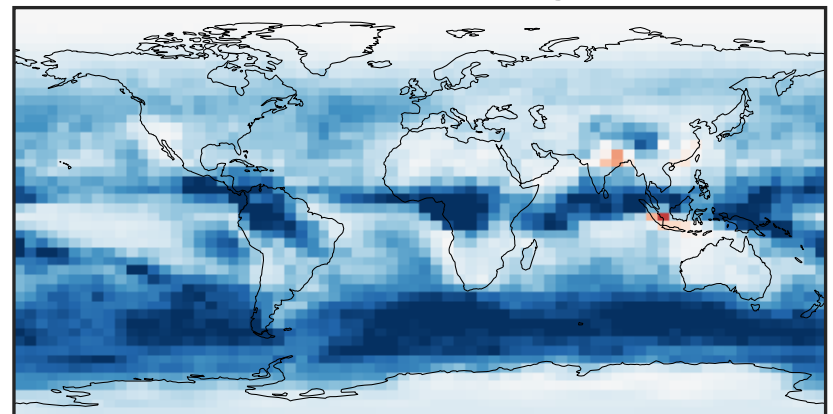
0.00005 0.00010 0.00015
s-1

Difference
Dev - Ref, Dynamic Range



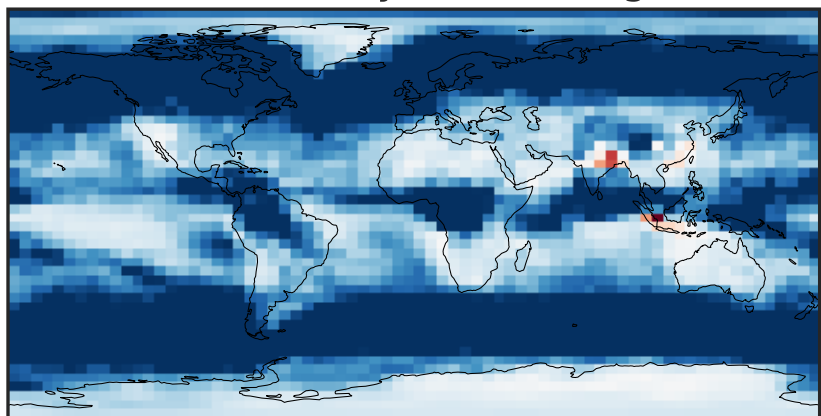
-3 0 3
s-1 1e-6

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



-2 0 2
s-1 1e-6

Ratio
Dev/Ref, Dynamic Range



0.96620 0.98310 1.00000 1.01749 1.03498
unitless

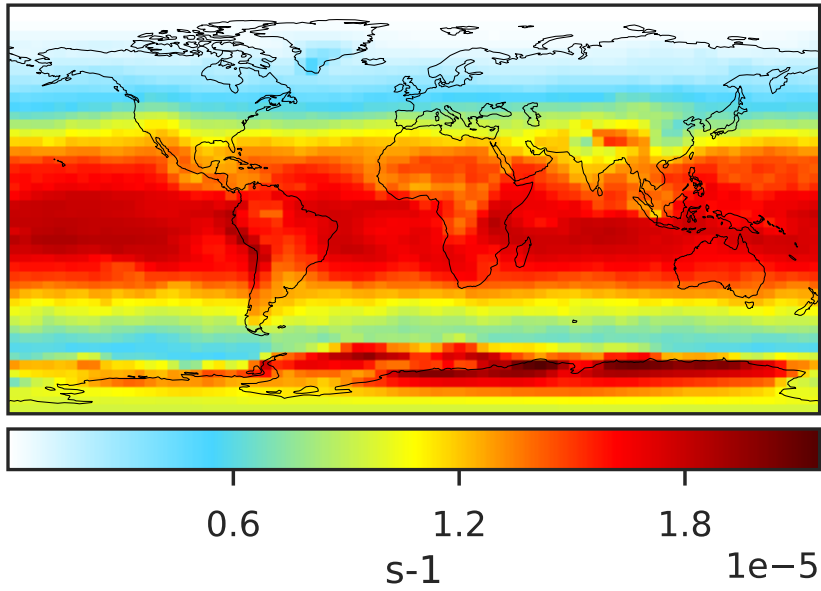
Ratio
Dev/Ref, Fixed Range



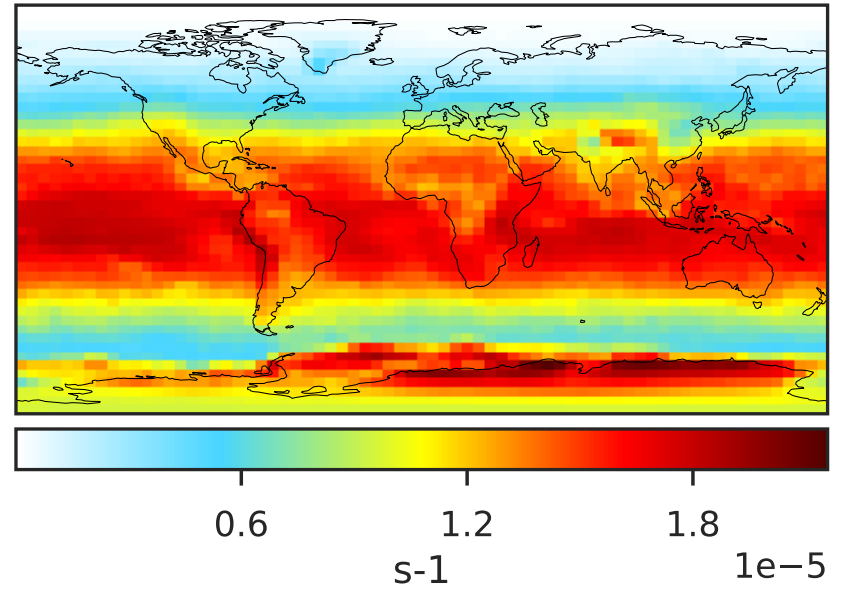
0.50 0.75 1.00 1.50 2.00
unitless

Jval_ICPDH (Oct2019)

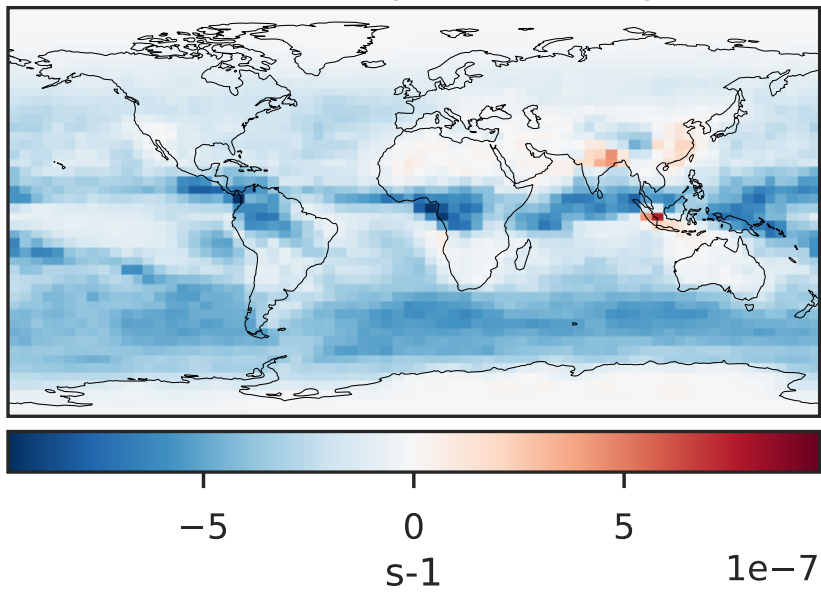
14.2.0-rc.2 (Ref)
4.0x5.0



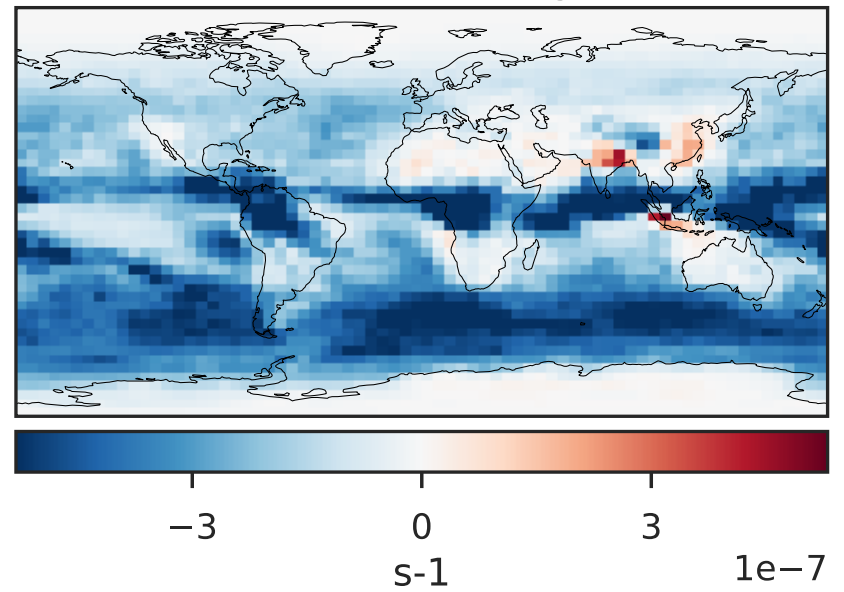
14.3.0-rc.0 (Dev)
4.0x5.0



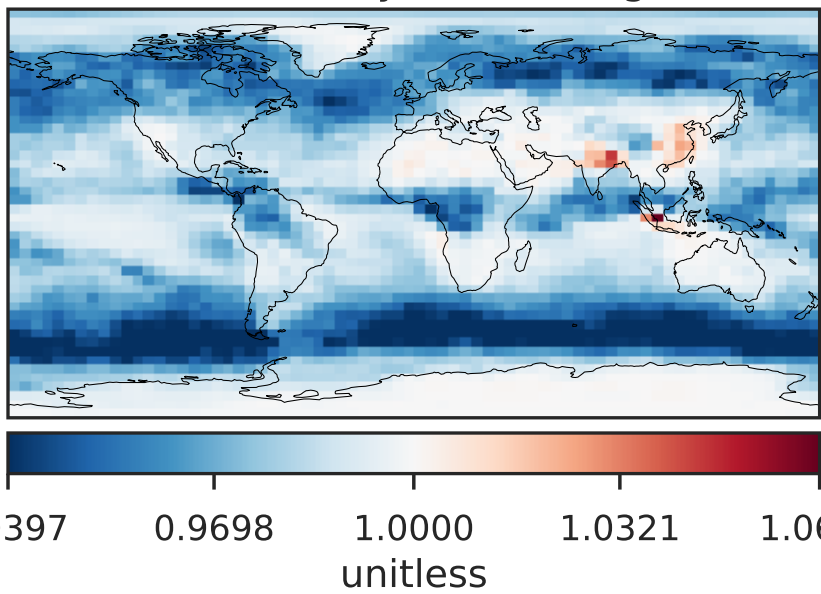
Difference
Dev - Ref, Dynamic Range



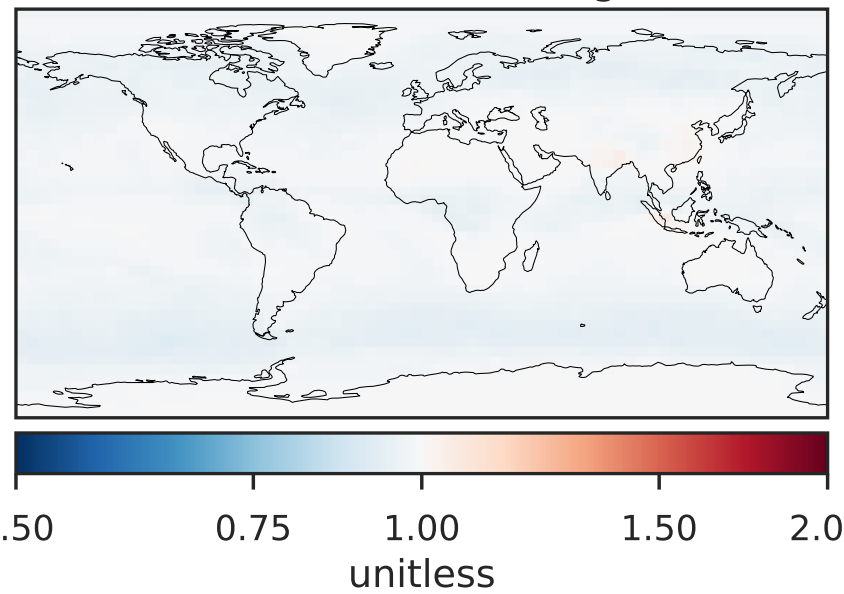
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

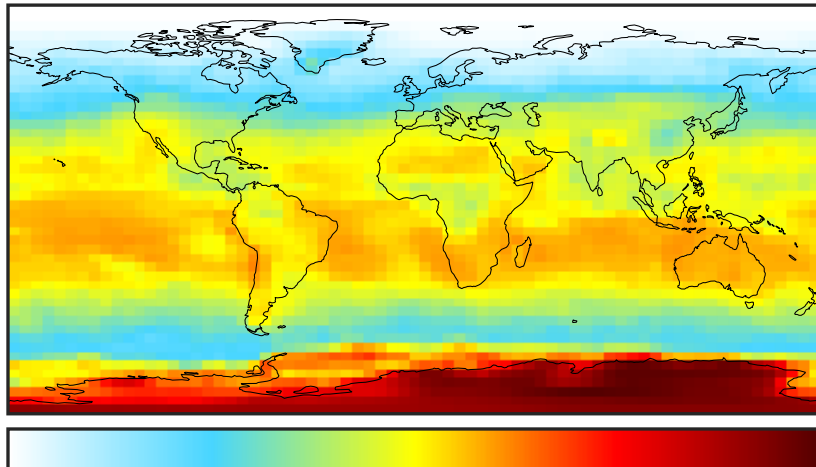


Ratio
Dev/Ref, Fixed Range



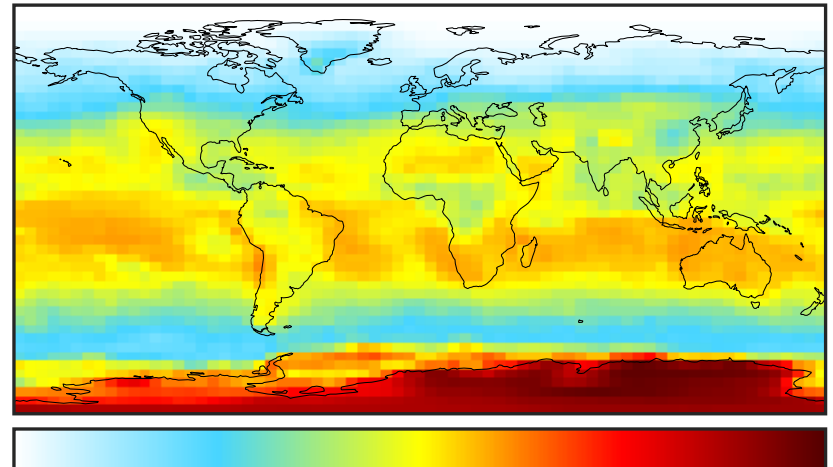
Jval_ICI (Oct2019)

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



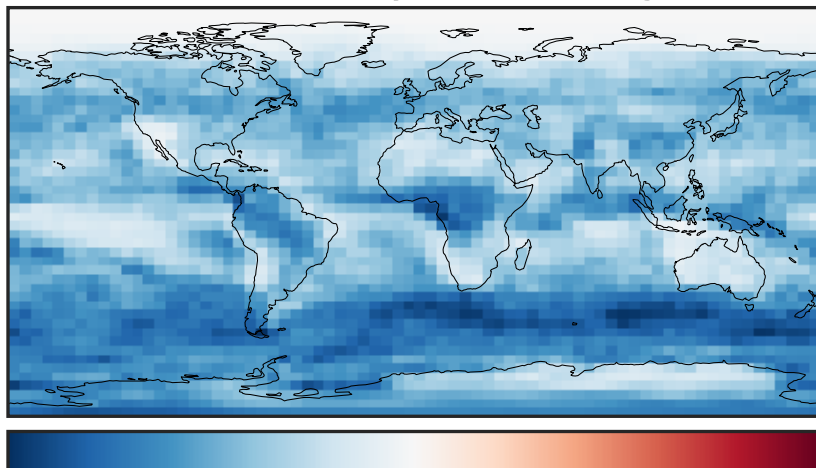
0.005 0.010 0.015
s-1

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



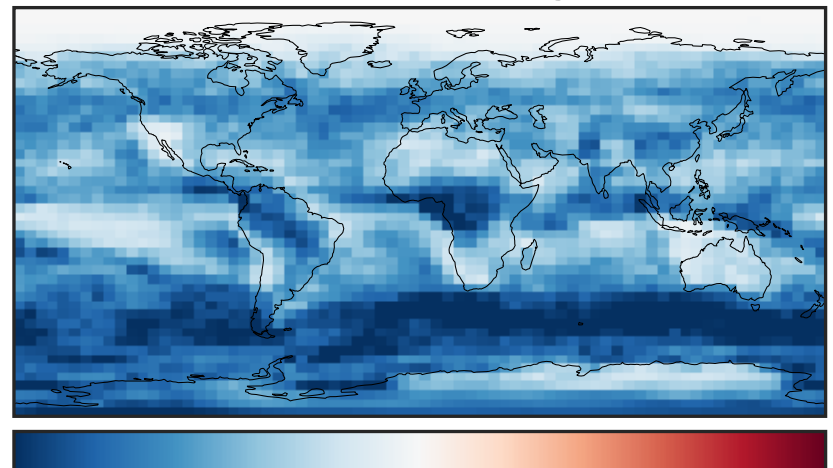
0.005 0.010 0.015
s-1

Difference
Dev - Ref, Dynamic Range



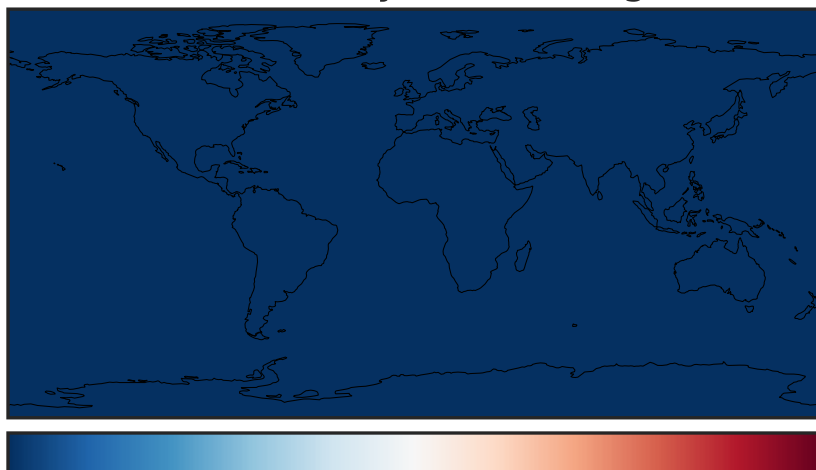
-0.0004 0.0000 0.0004
s-1

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



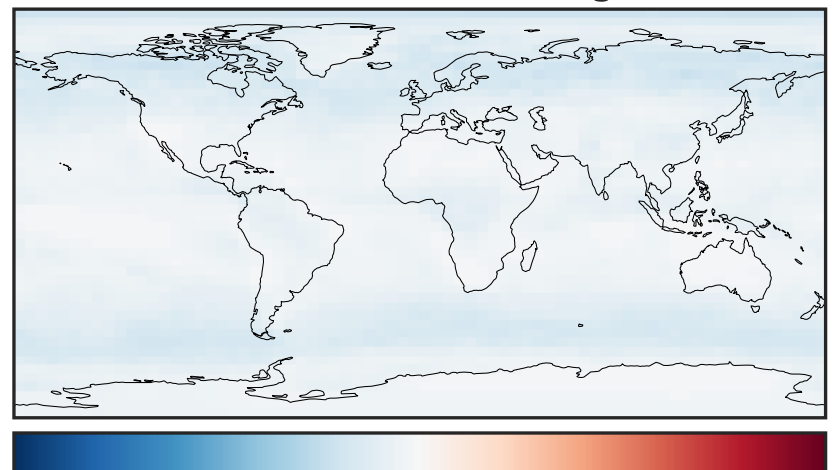
-0.0003 0.0000 0.0003
s-1

Ratio
Dev/Ref, Dynamic Range



0.997672 0.998836 1.000000 1.001167 1.002334
unitless

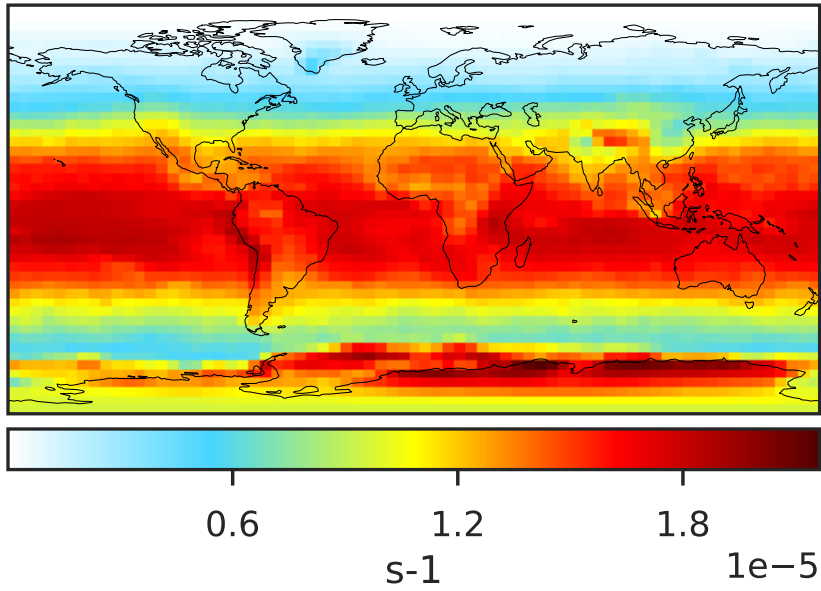
Ratio
Dev/Ref, Fixed Range



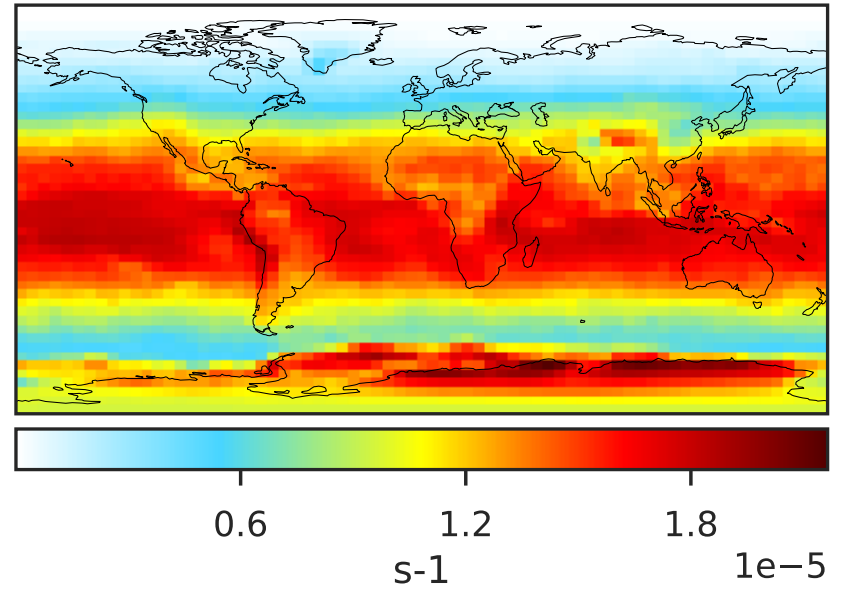
0.50 0.75 1.00 1.50 2.00
unitless

Jval_IDCHP (Oct2019)

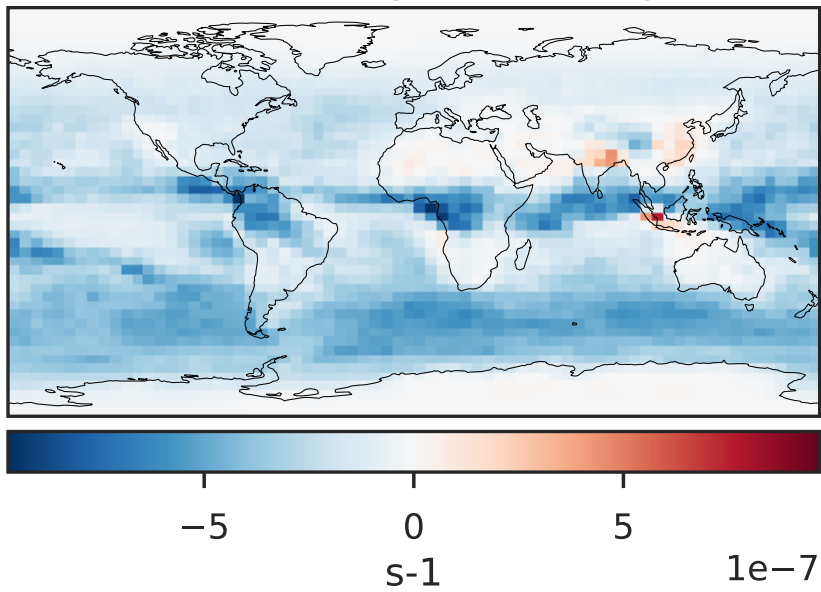
14.2.0-rc.2 (Ref)
4.0x5.0



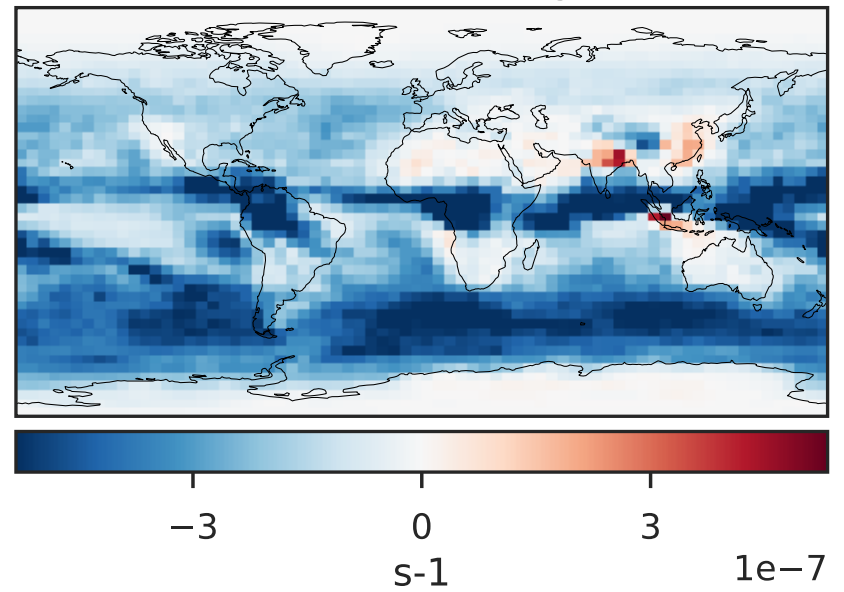
14.3.0-rc.0 (Dev)
4.0x5.0



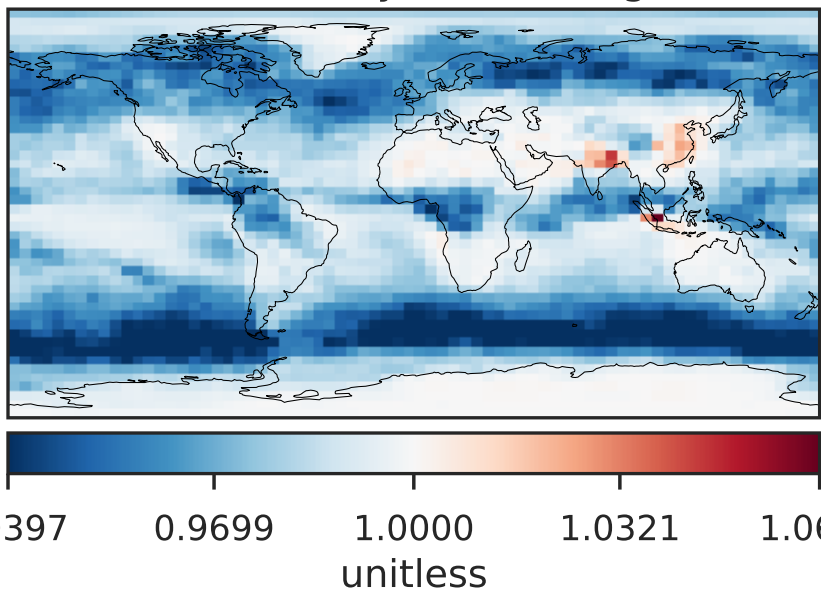
Difference
Dev - Ref, Dynamic Range



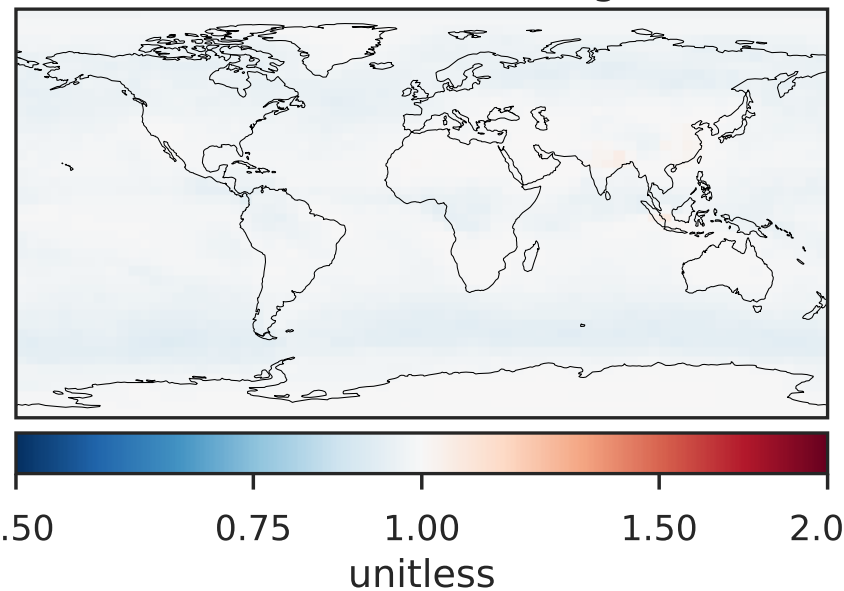
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

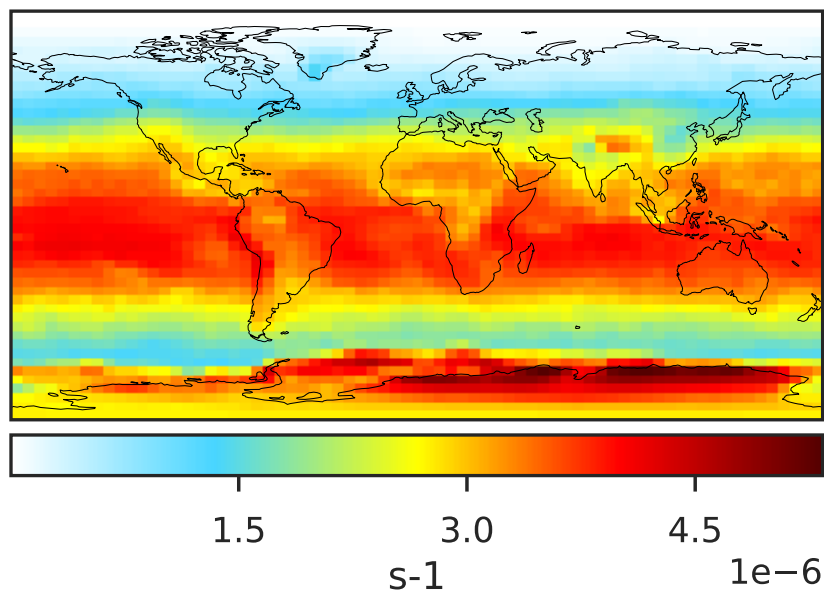


Ratio
Dev/Ref, Fixed Range

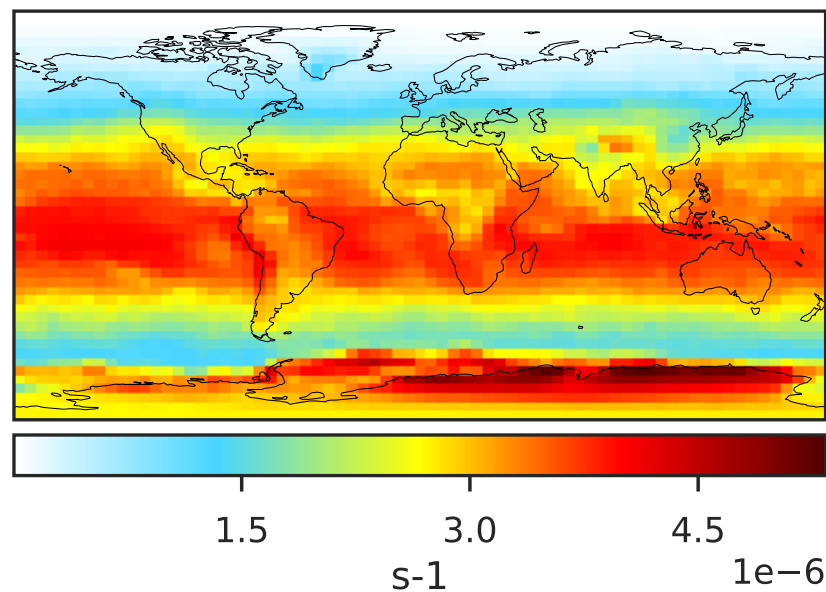


Jval_IDHDP (Oct2019)

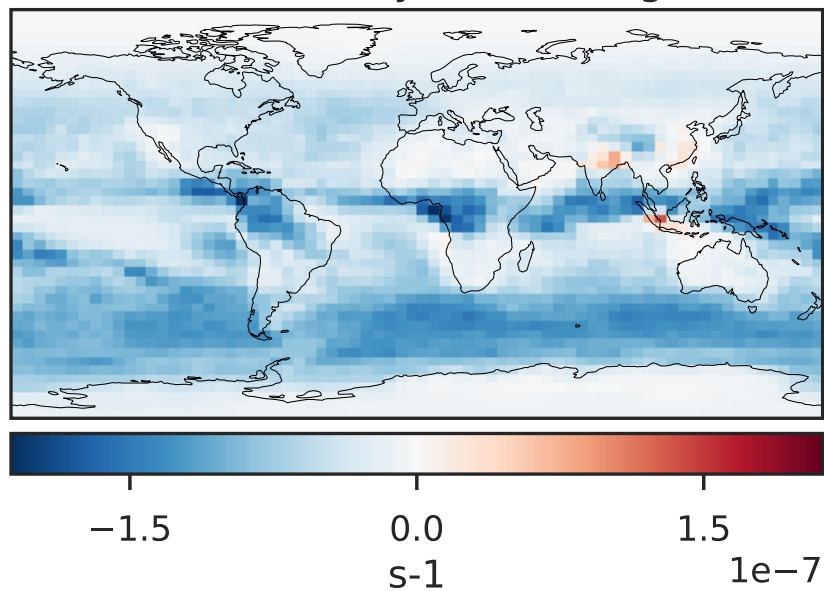
14.2.0-rc.2 (Ref)
4.0x5.0



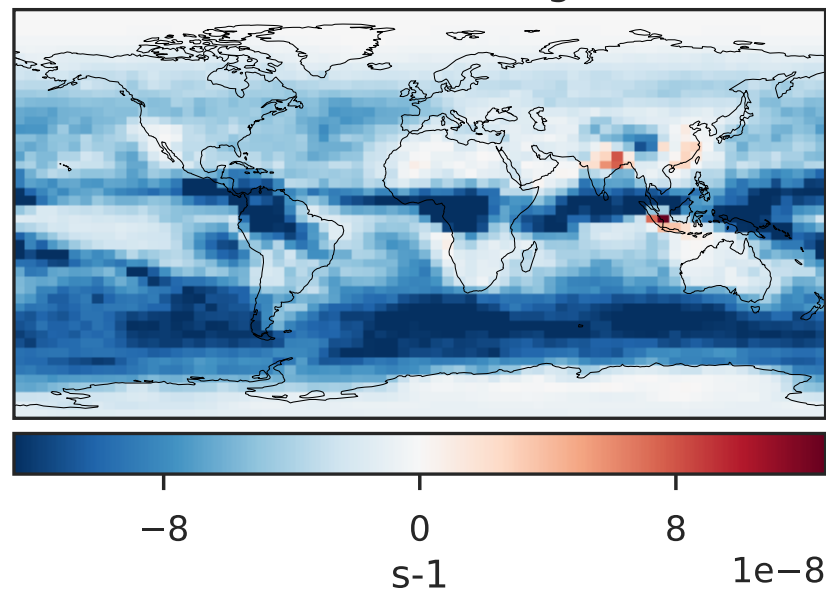
14.3.0-rc.0 (Dev)
4.0x5.0



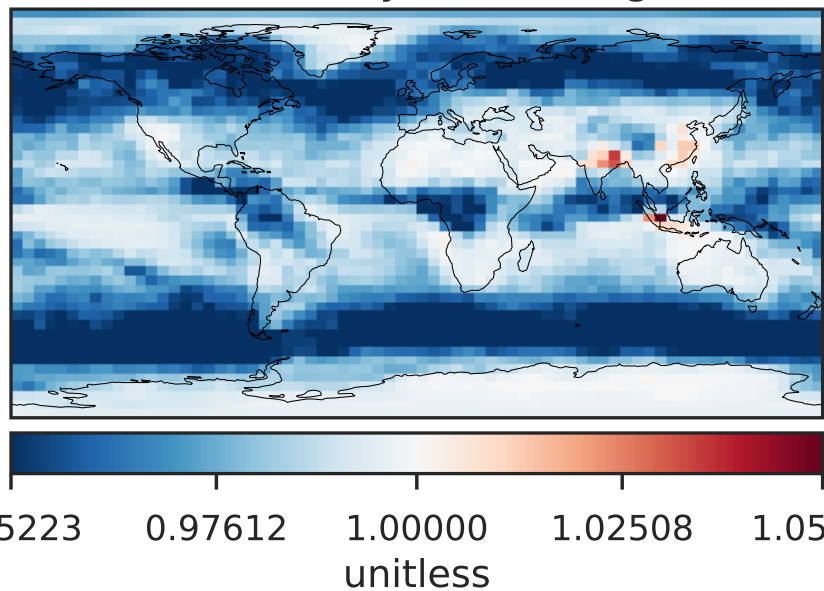
Difference
Dev - Ref, Dynamic Range



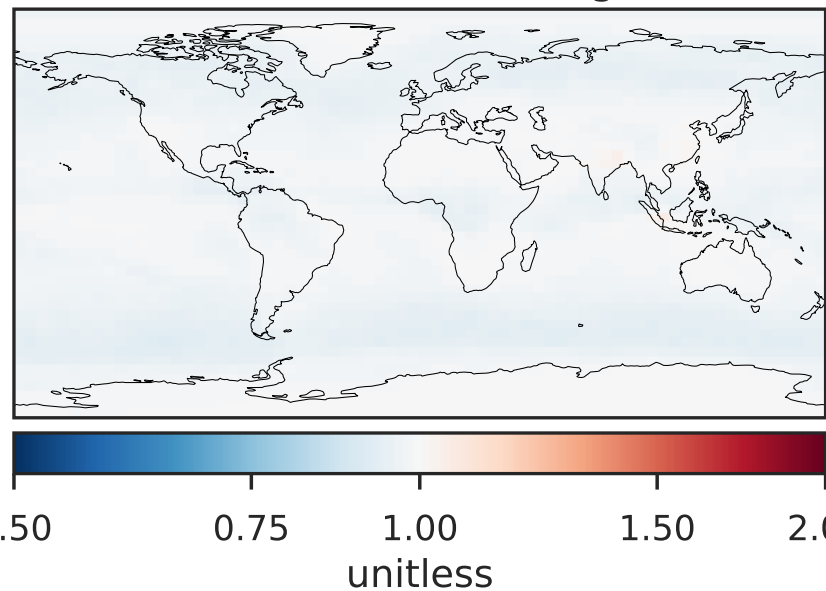
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

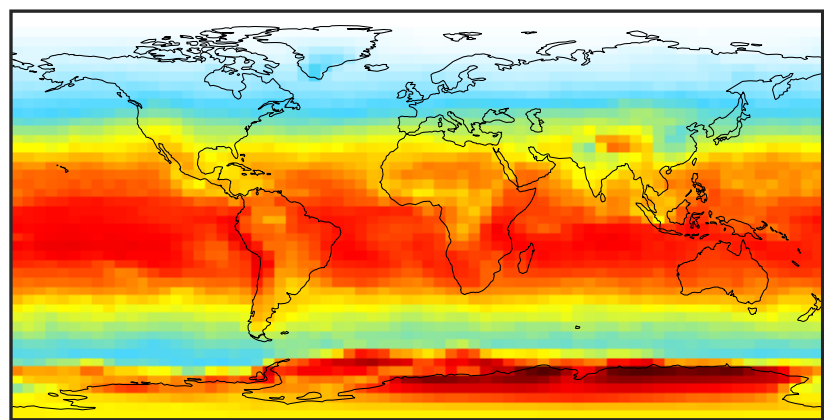


Ratio
Dev/Ref, Fixed Range



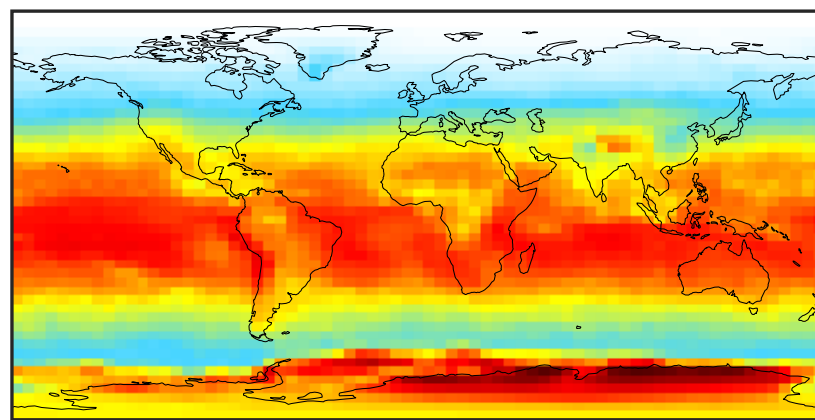
Jval_IDHPE (Oct2019)

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



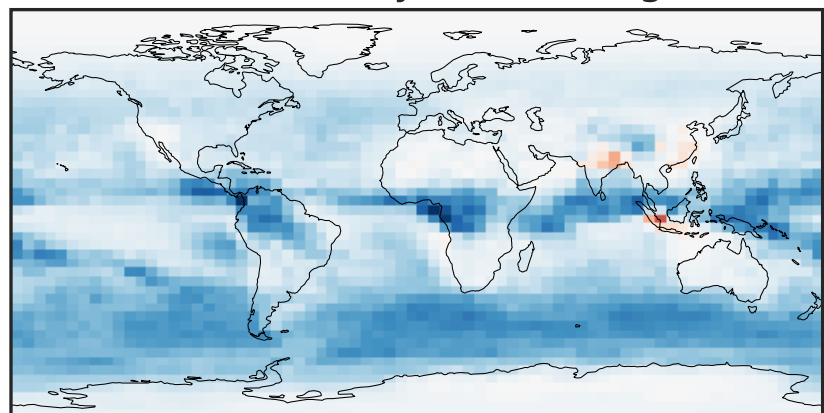
0.8 1.6 2.4
s-1 1e-6

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



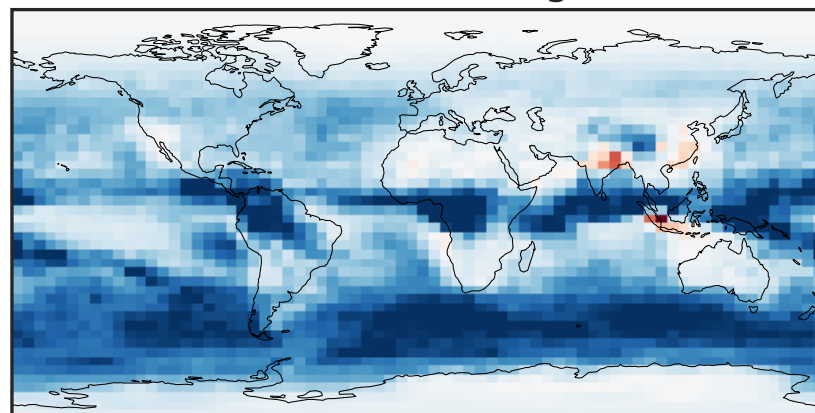
0.8 1.6 2.4
s-1 1e-6

Difference
Dev - Ref, Dynamic Range



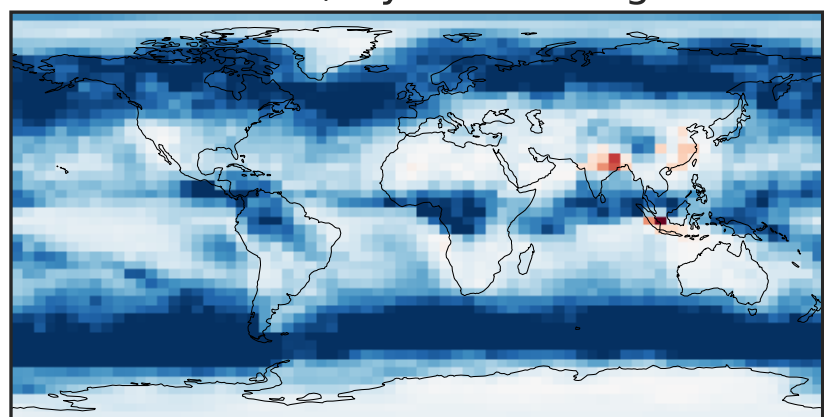
-6 0 6
s-1 1e-8

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



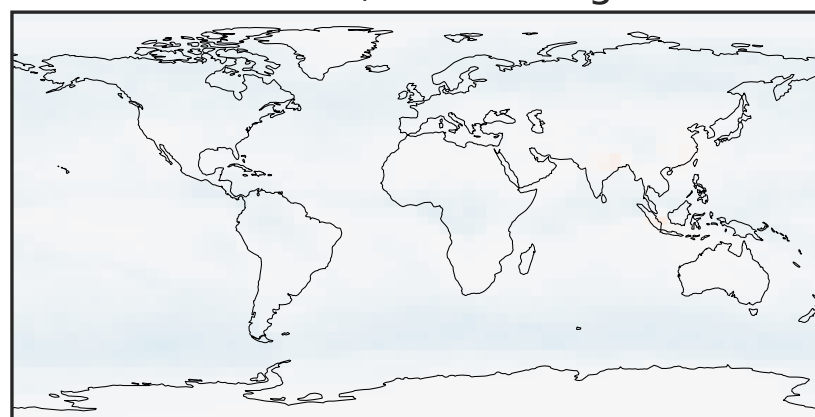
-4 0 4
s-1 1e-8

Ratio
Dev/Ref, Dynamic Range



0.95223 0.97611 1.00000 1.02508 1.05017
unitless

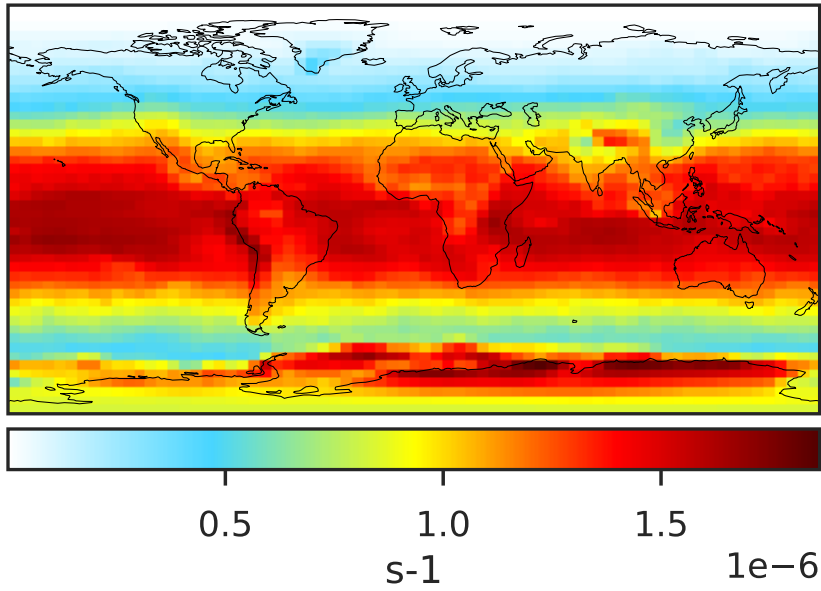
Ratio
Dev/Ref, Fixed Range



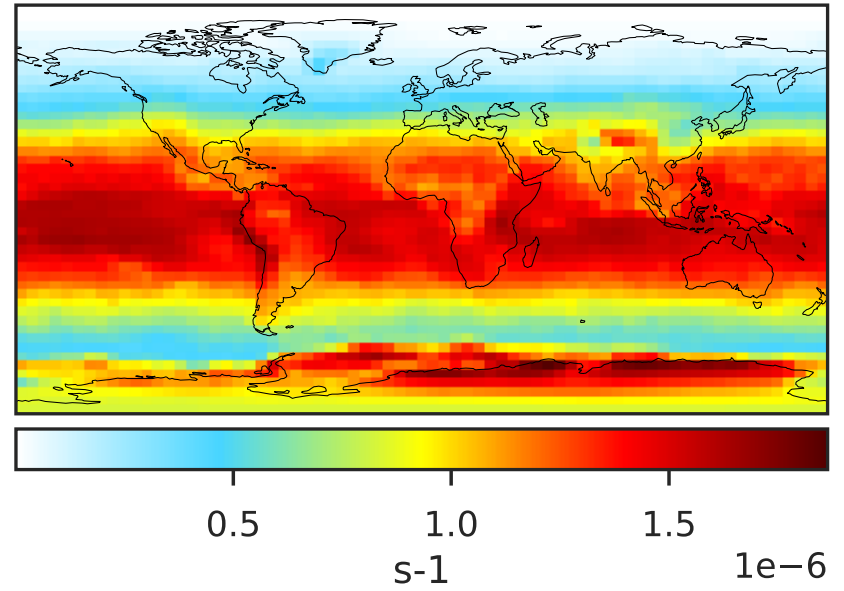
0.50 0.75 1.00 1.50 2.00
unitless

Jval_IDN (Oct2019)

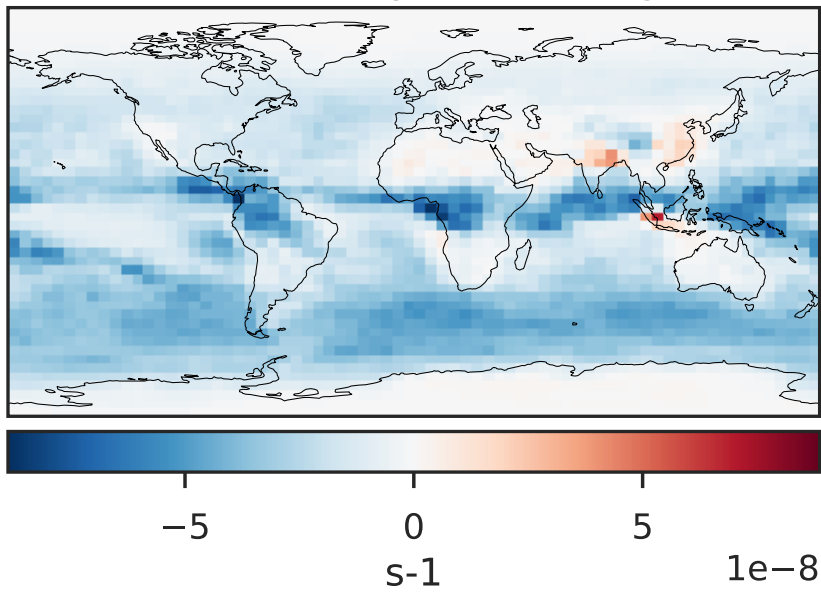
14.2.0-rc.2 (Ref)
4.0x5.0



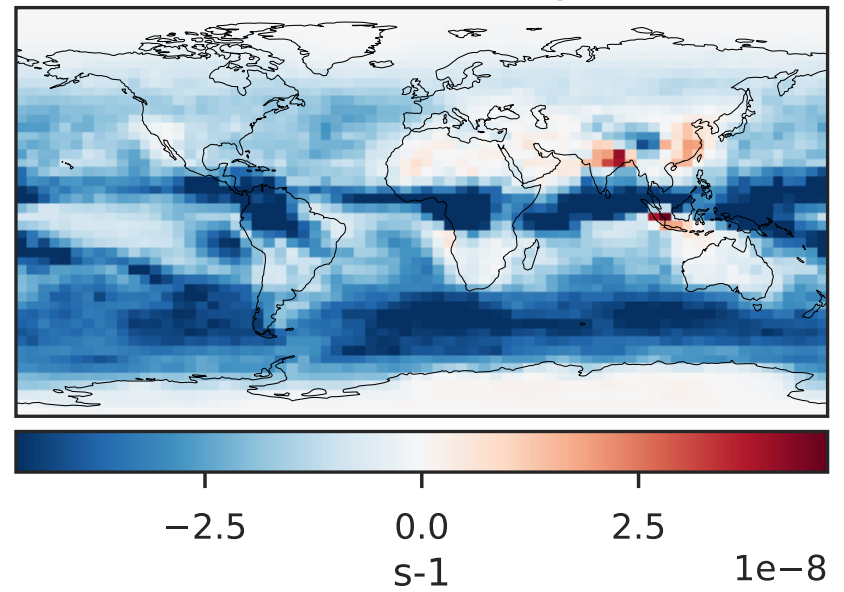
14.3.0-rc.0 (Dev)
4.0x5.0



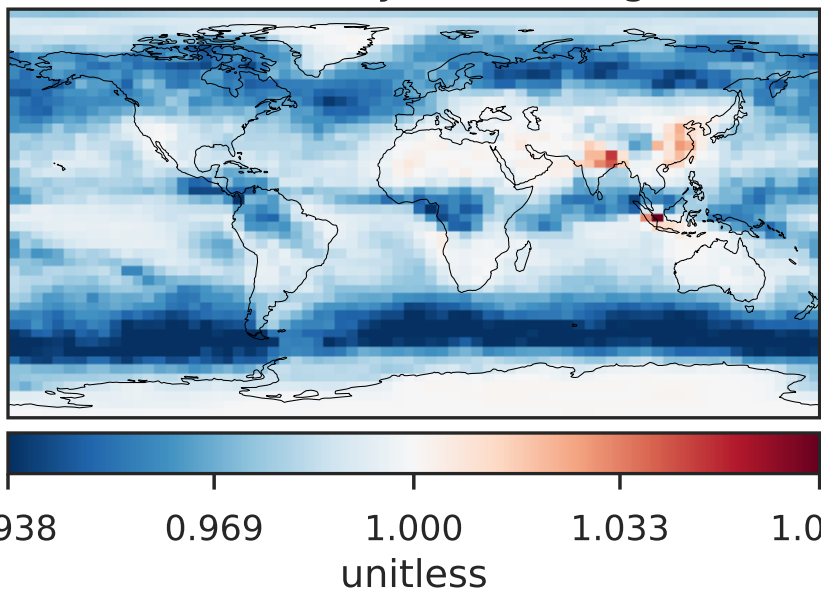
Difference
Dev - Ref, Dynamic Range



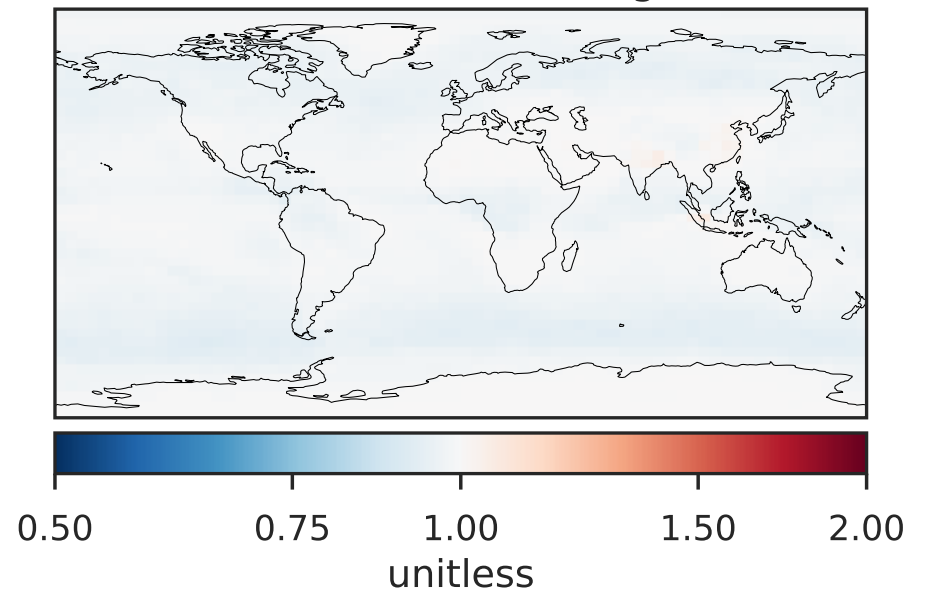
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

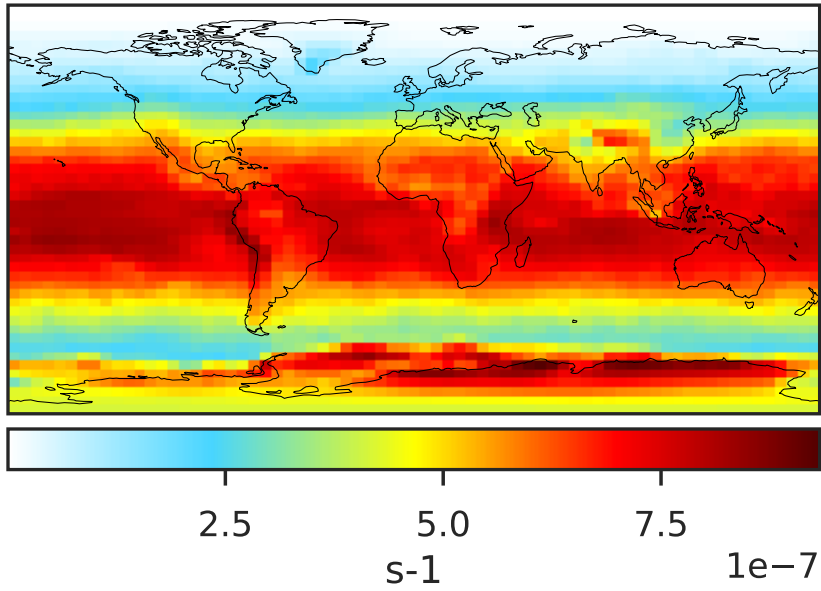


Ratio
Dev/Ref, Fixed Range

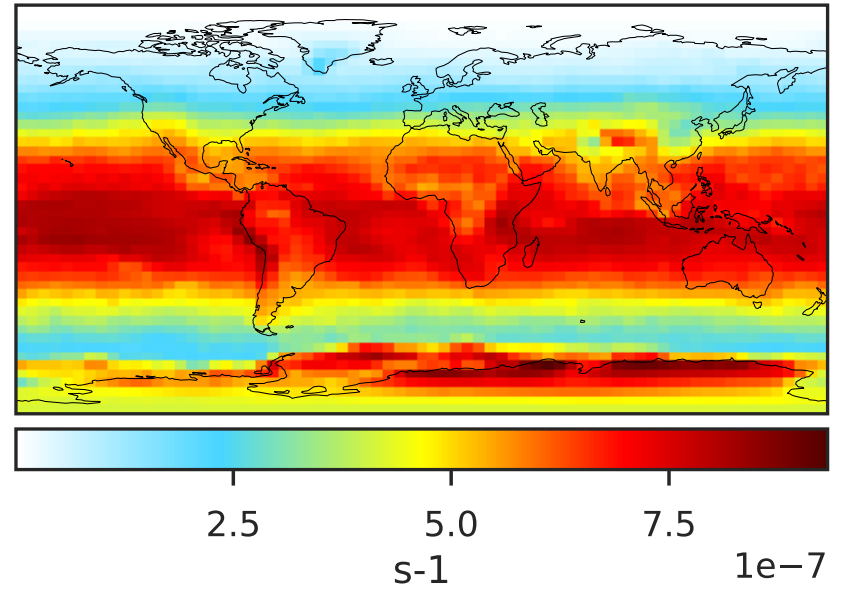


Jval_IHN1 (Oct2019)

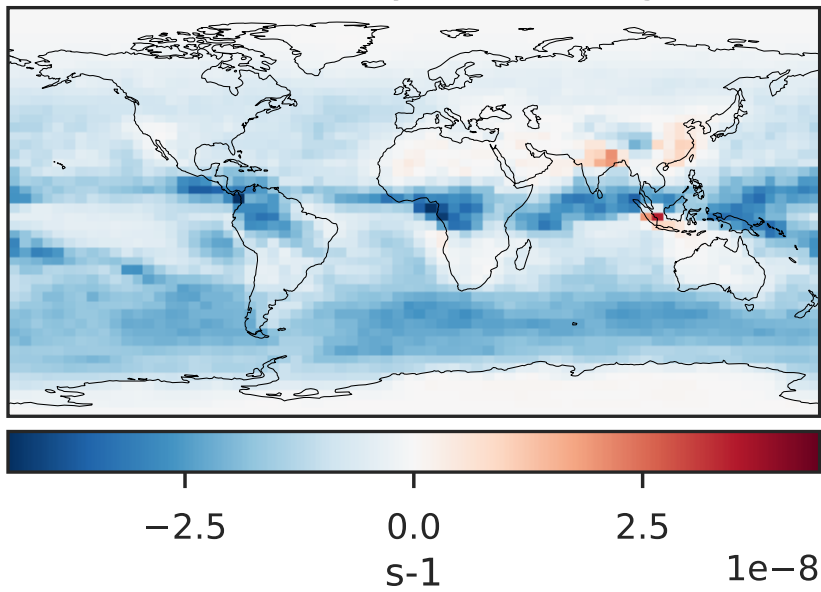
14.2.0-rc.2 (Ref)
4.0x5.0



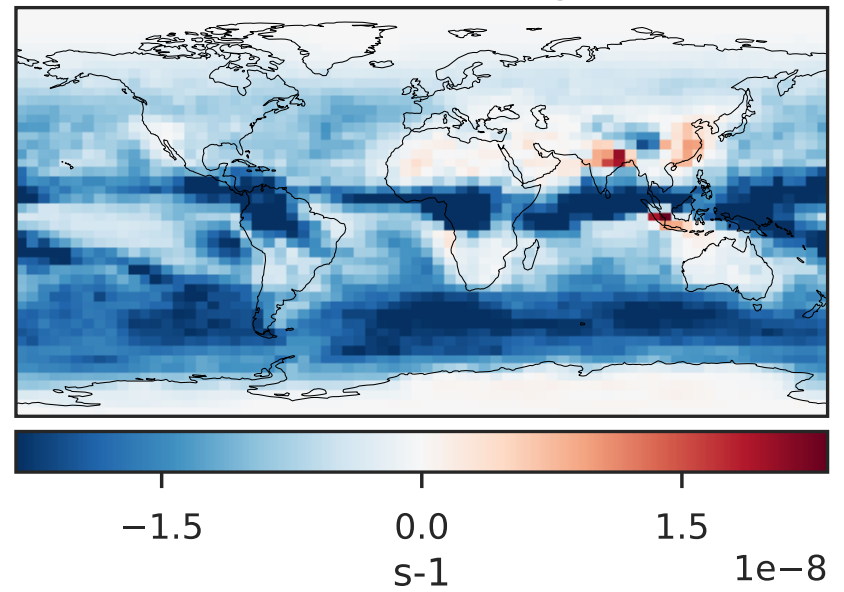
14.3.0-rc.0 (Dev)
4.0x5.0



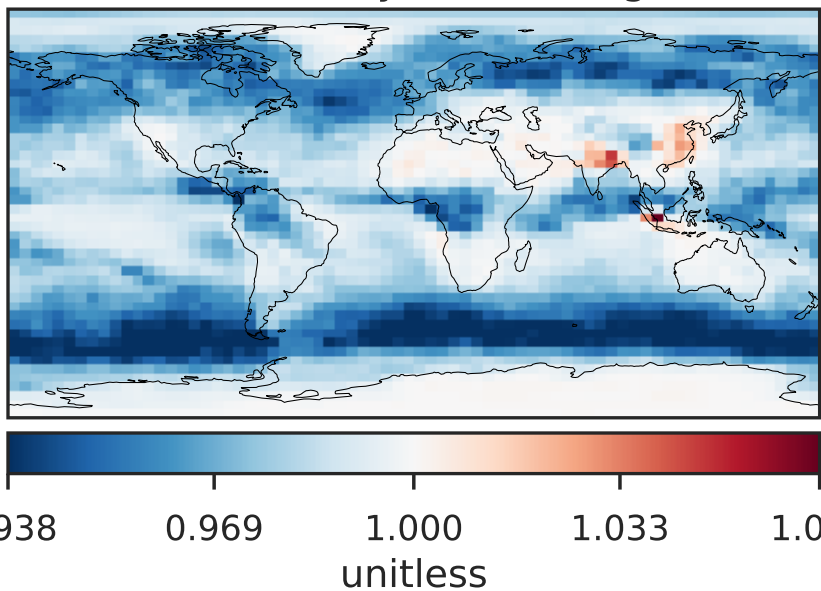
Difference
Dev - Ref, Dynamic Range



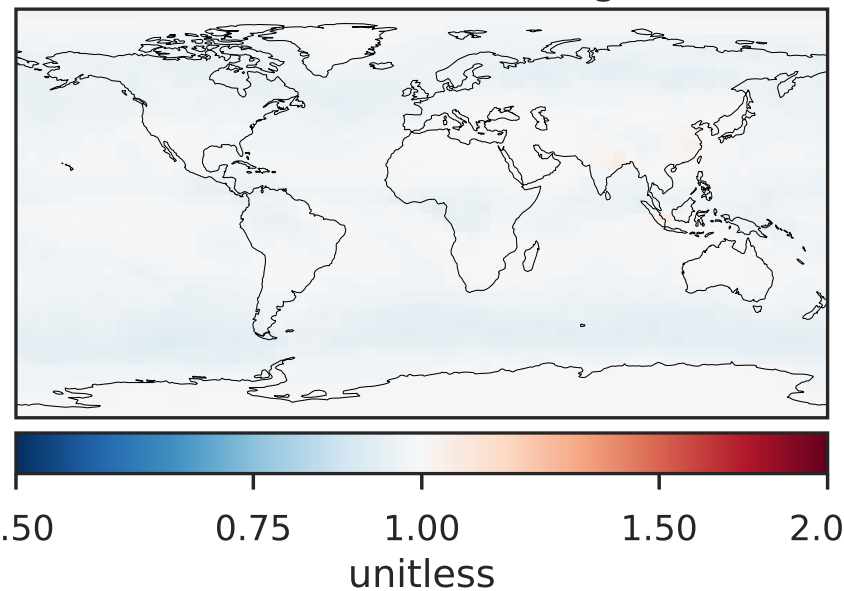
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

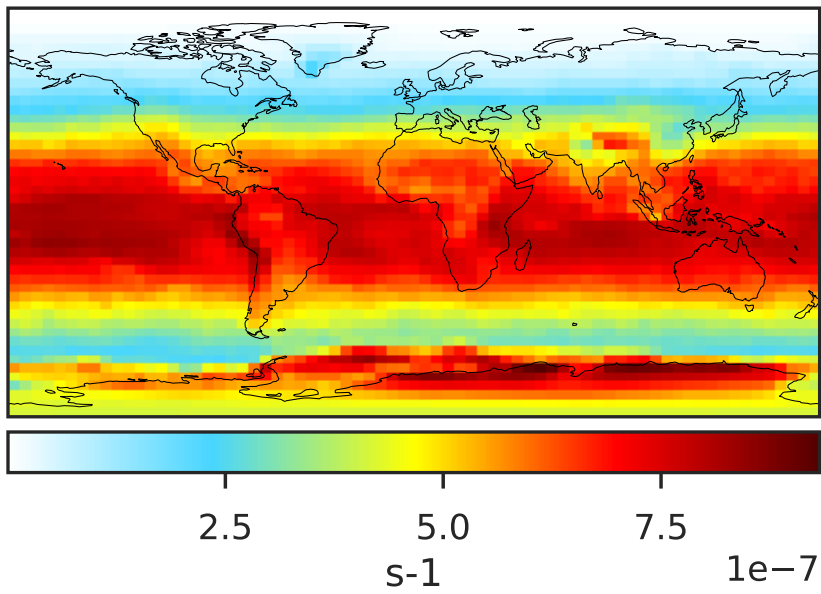


Ratio
Dev/Ref, Fixed Range

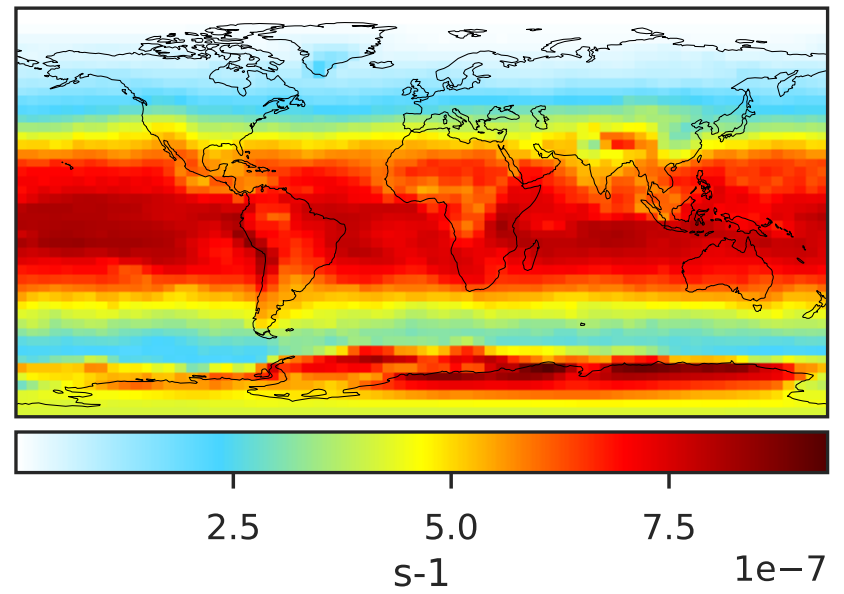


Jval_IHN2 (Oct2019)

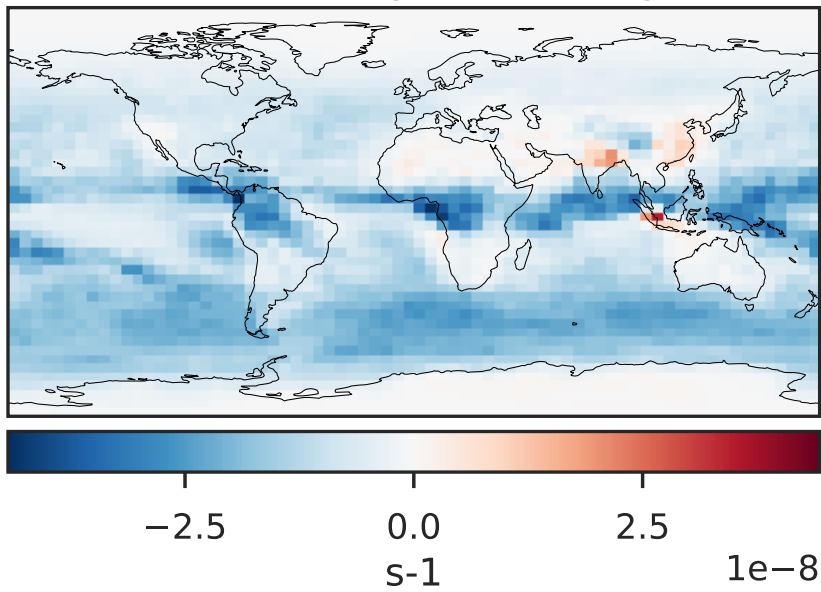
14.2.0-rc.2 (Ref)
4.0x5.0



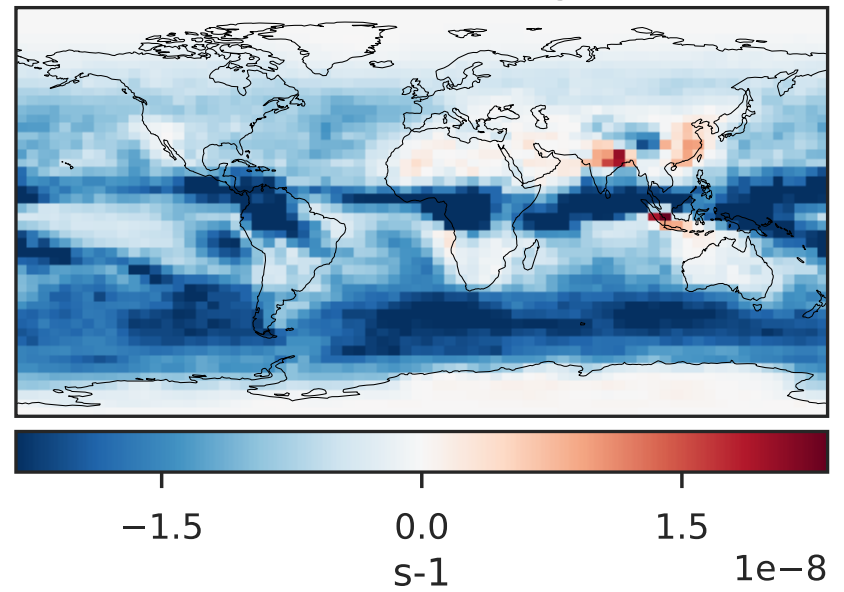
14.3.0-rc.0 (Dev)
4.0x5.0



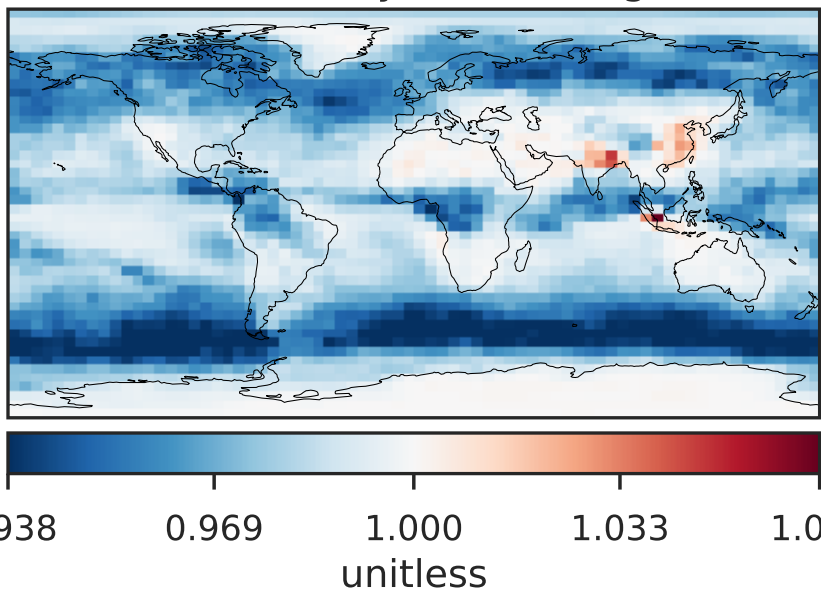
Difference
Dev - Ref, Dynamic Range



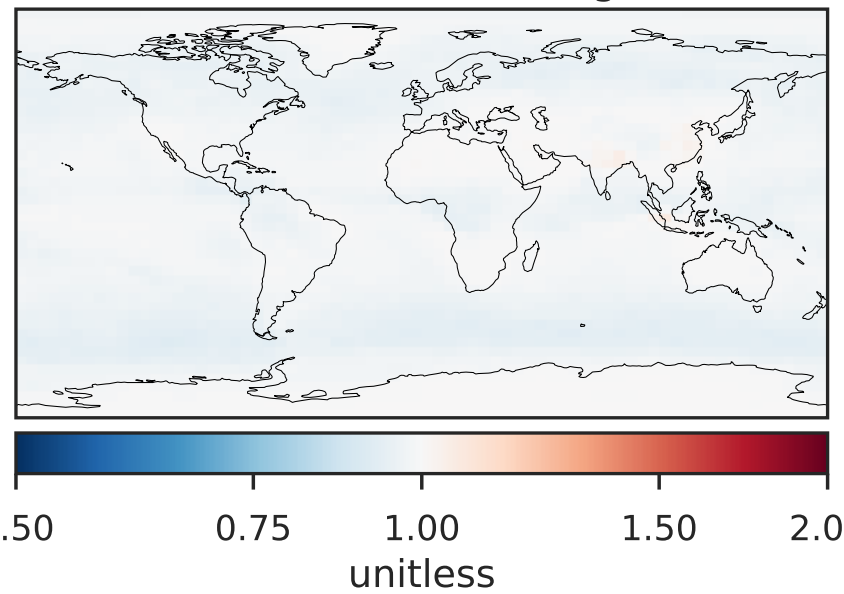
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

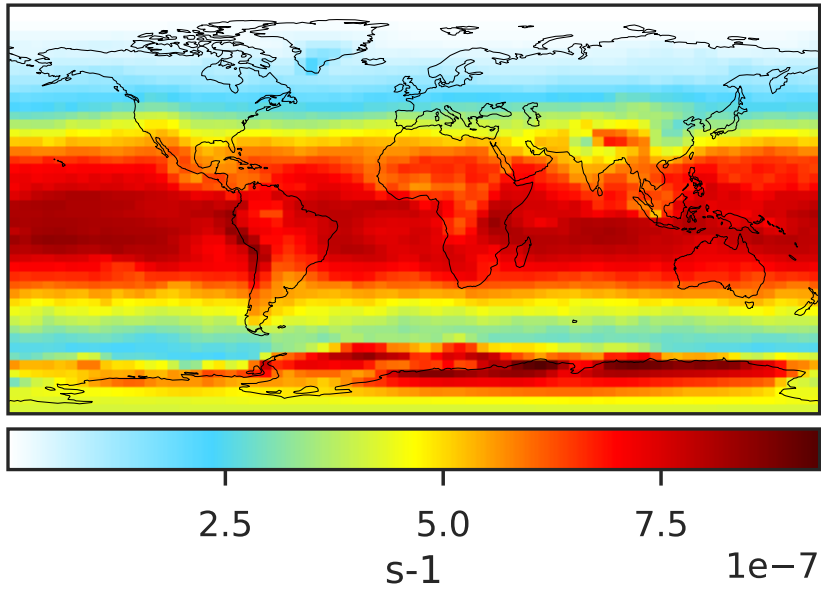


Ratio
Dev/Ref, Fixed Range

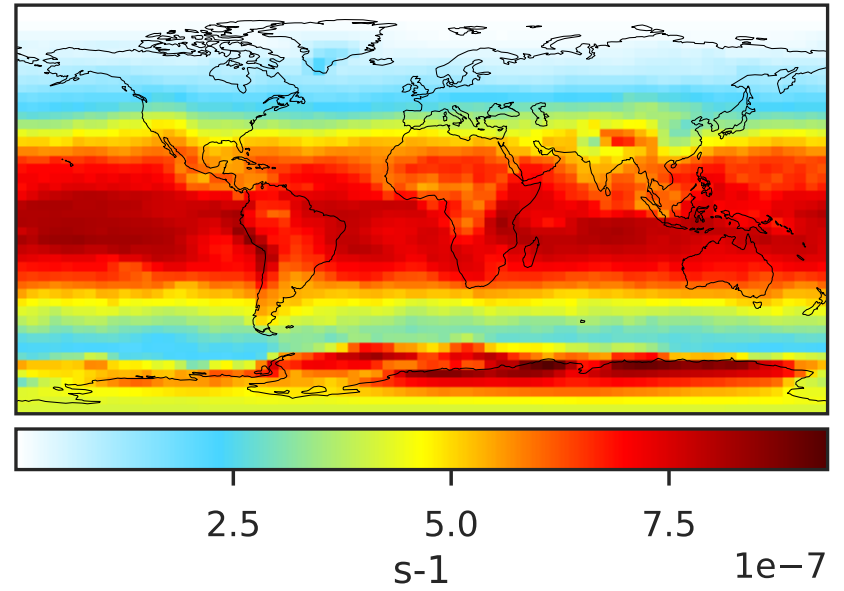


Jval_IHN3 (Oct2019)

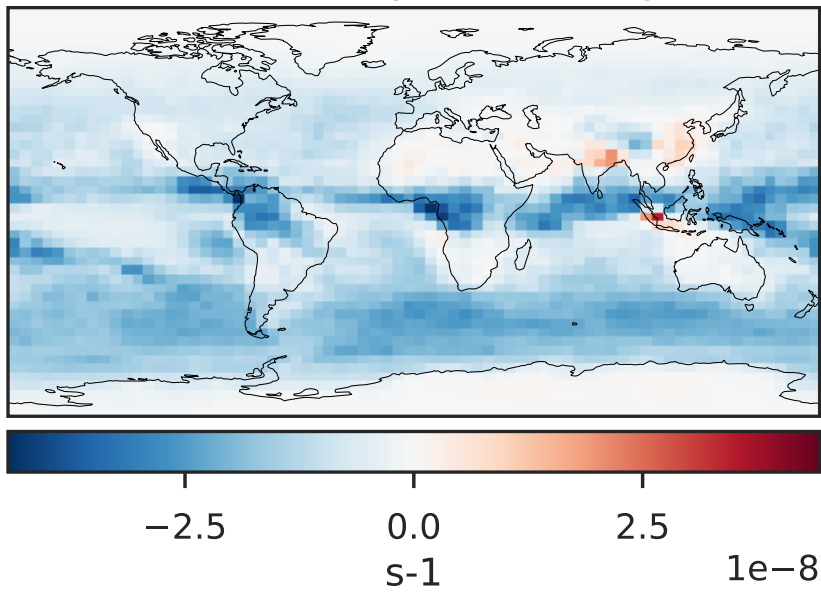
14.2.0-rc.2 (Ref)
4.0x5.0



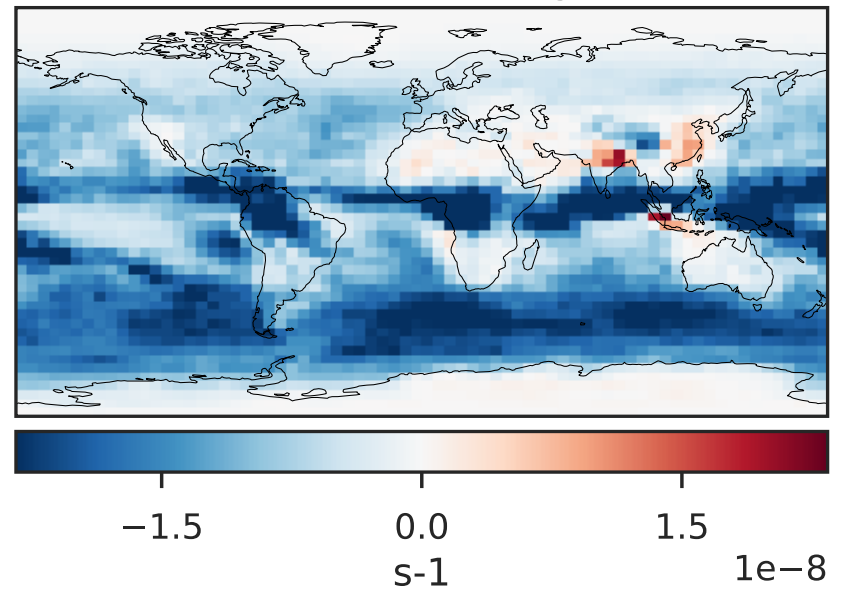
14.3.0-rc.0 (Dev)
4.0x5.0



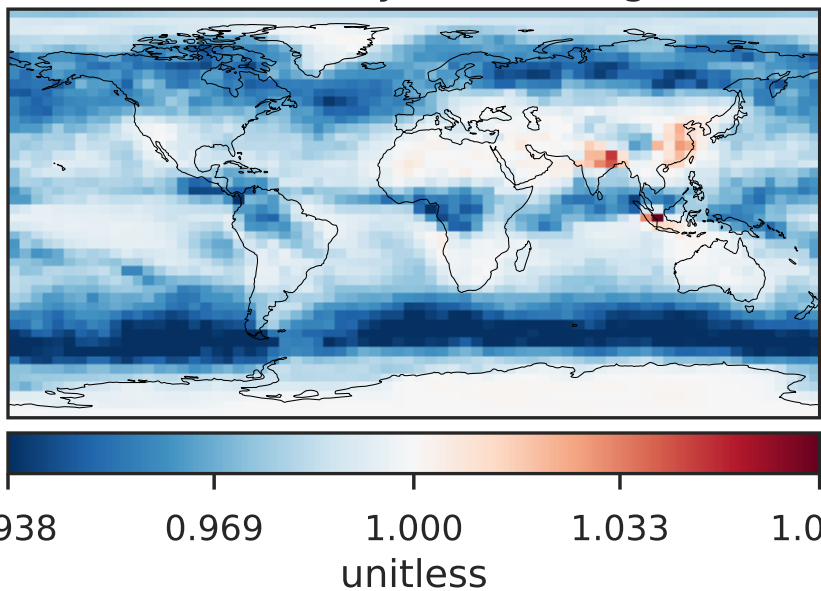
Difference
Dev - Ref, Dynamic Range



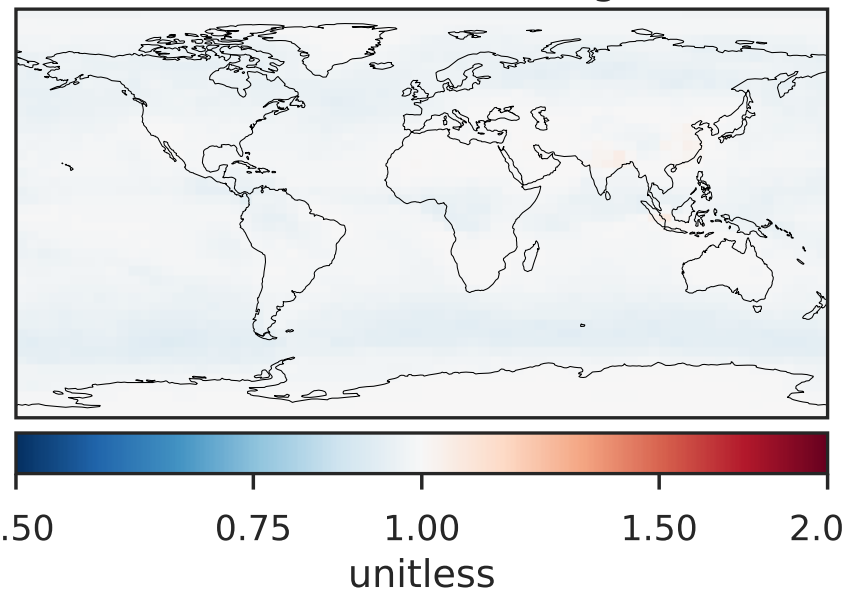
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

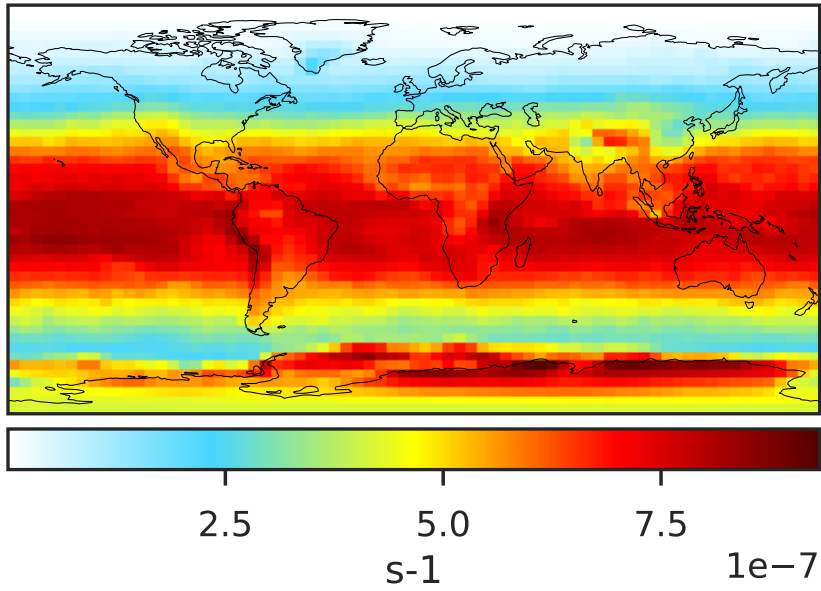


Ratio
Dev/Ref, Fixed Range

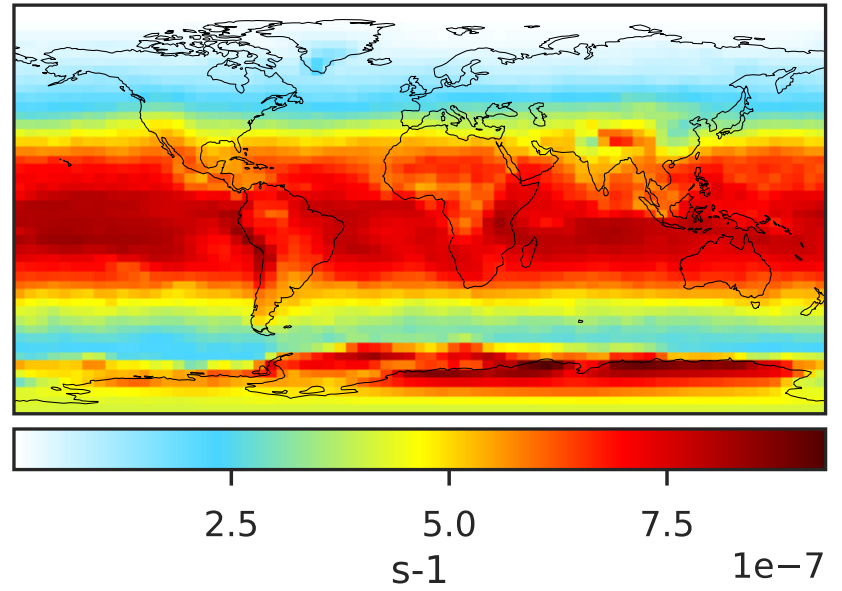


Jval_IHN4 (Oct2019)

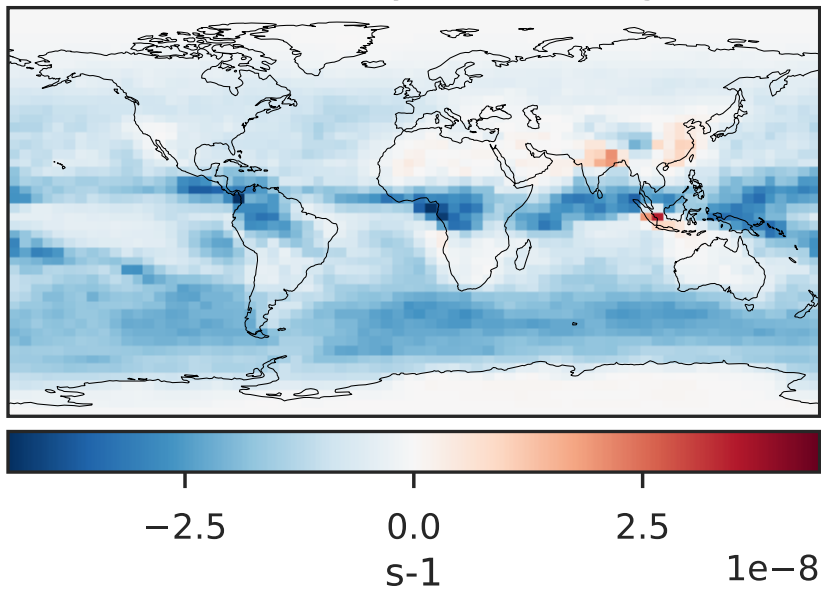
14.2.0-rc.2 (Ref)
4.0x5.0



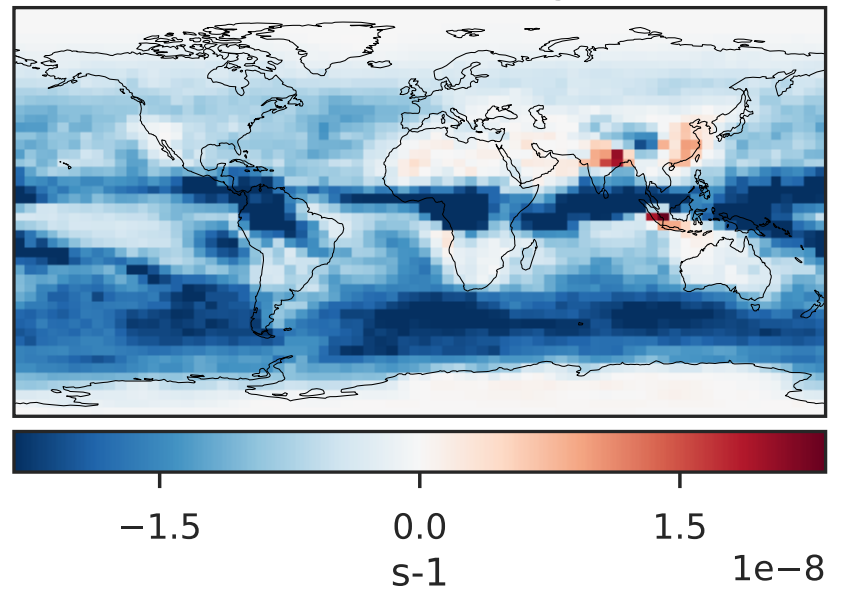
14.3.0-rc.0 (Dev)
4.0x5.0



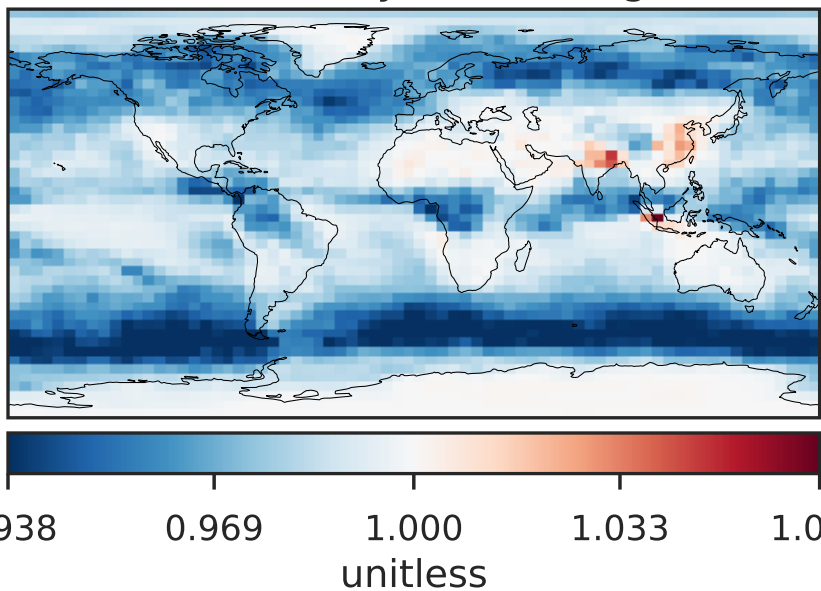
Difference
Dev - Ref, Dynamic Range



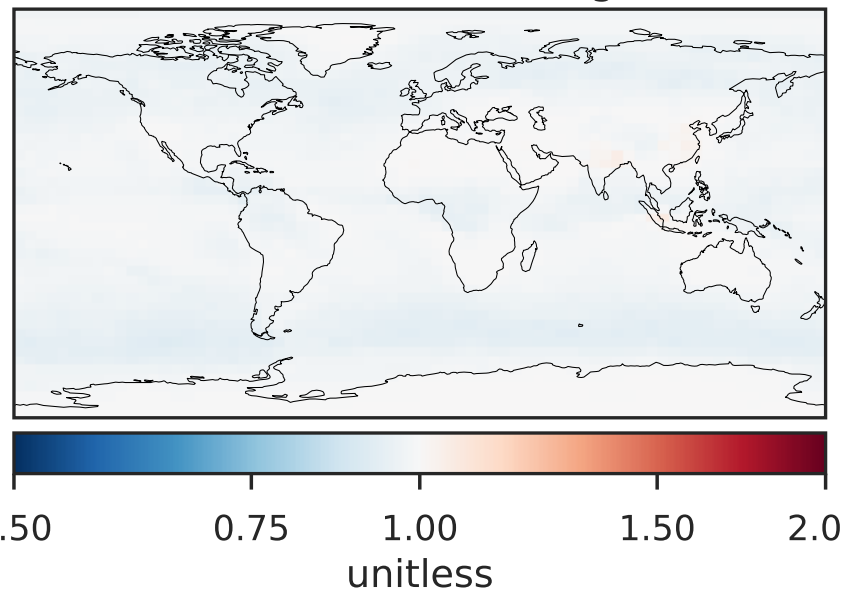
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

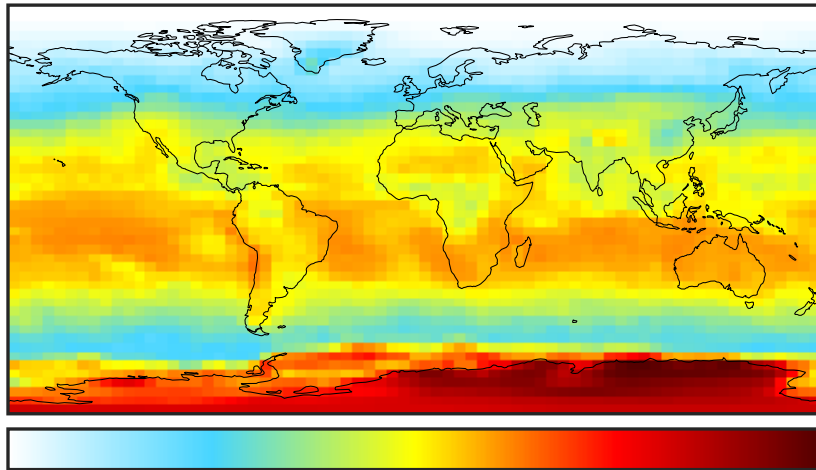


Ratio
Dev/Ref, Fixed Range



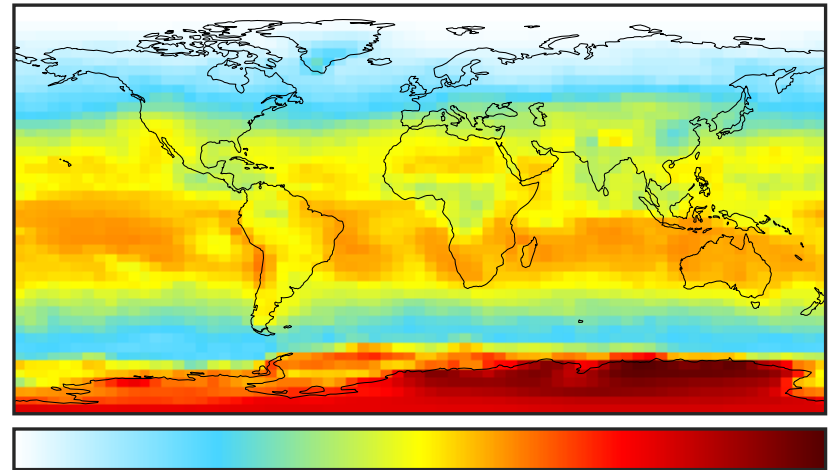
Jval_INO (Oct2019)

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



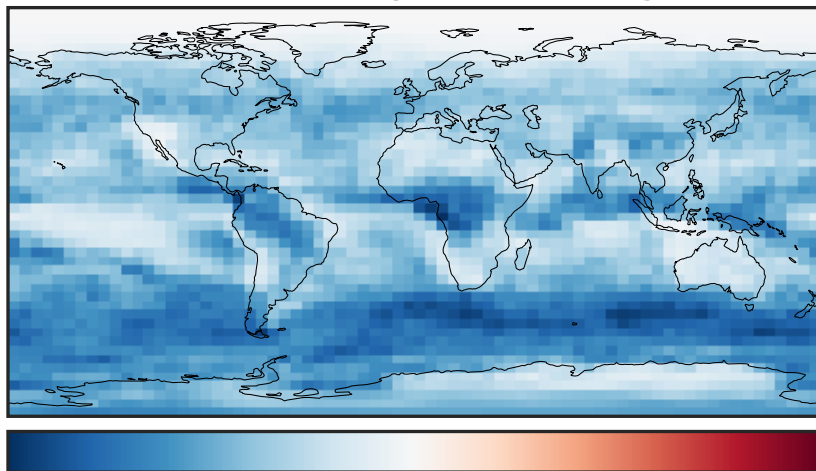
0.006 0.012 0.018
s-1

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



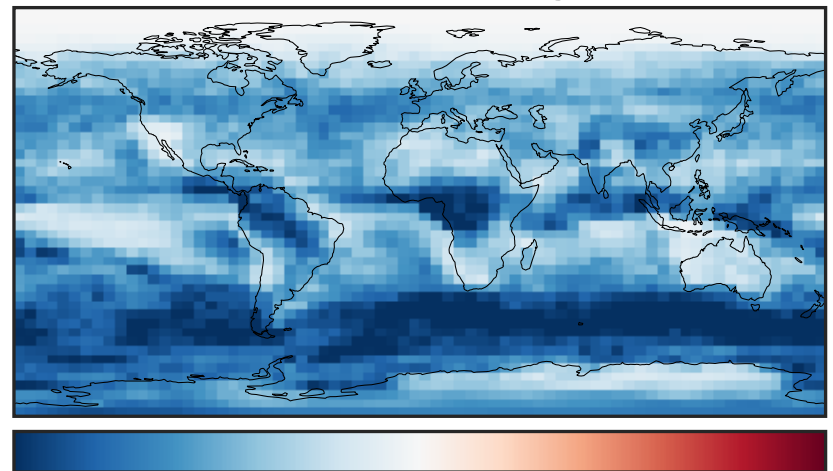
0.006 0.012 0.018
s-1

Difference
Dev - Ref, Dynamic Range



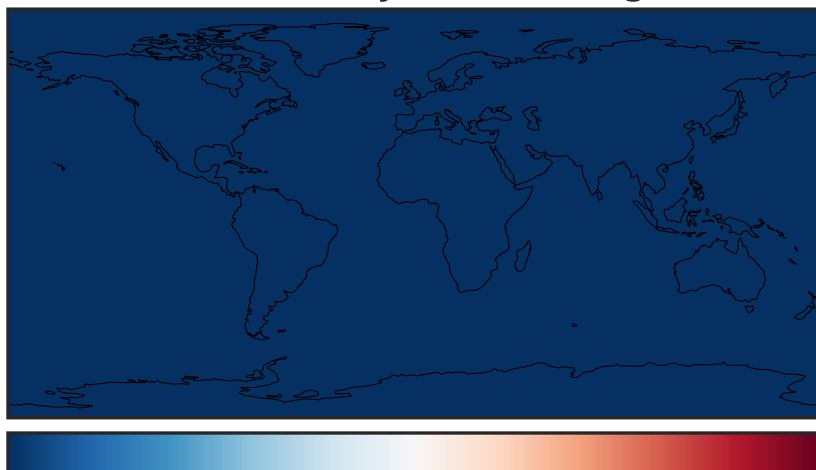
-0.0005 0.0000 0.0005
s-1

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



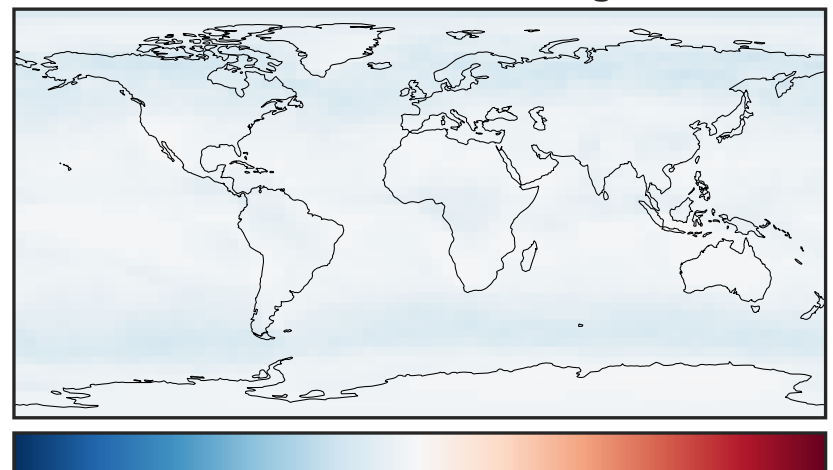
-0.0004 0.0000 0.0004
s-1

Ratio
Dev/Ref, Dynamic Range



0.998318 0.999159 1.000000 1.000843 1.001685
unitless

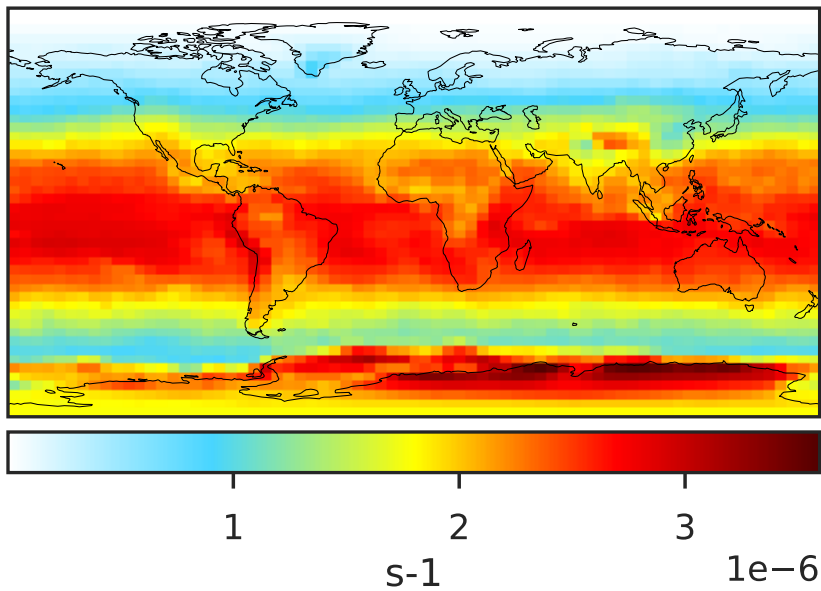
Ratio
Dev/Ref, Fixed Range



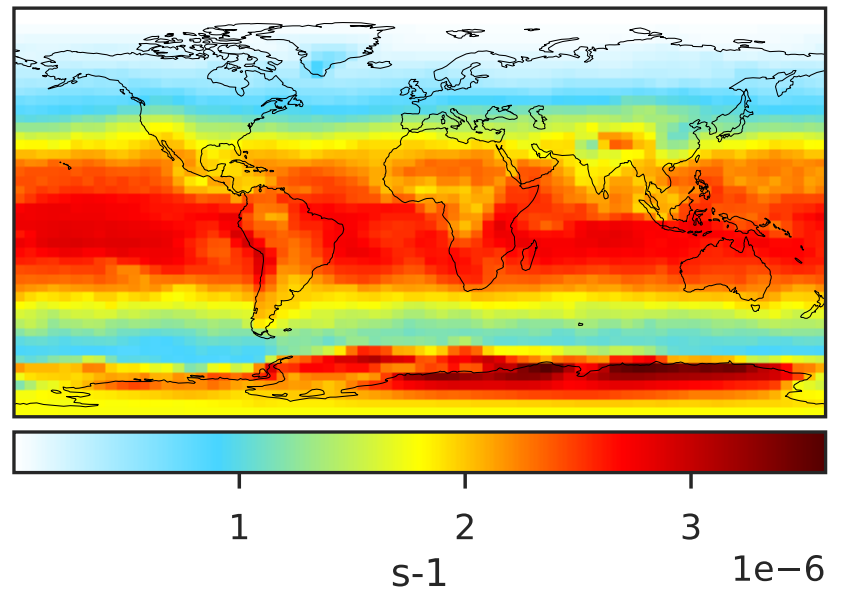
0.50 0.75 1.00 1.50 2.00
unitless

Jval_INPB (Oct2019)

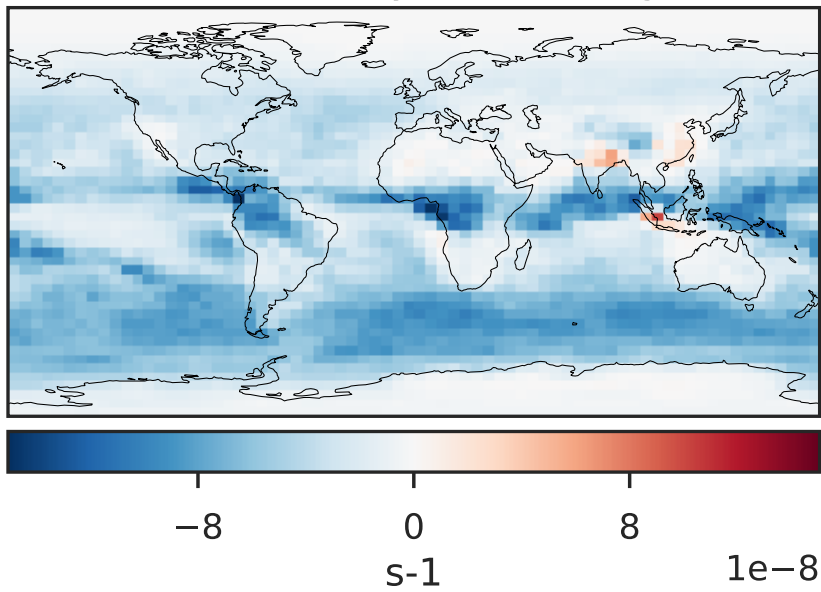
14.2.0-rc.2 (Ref)
4.0x5.0



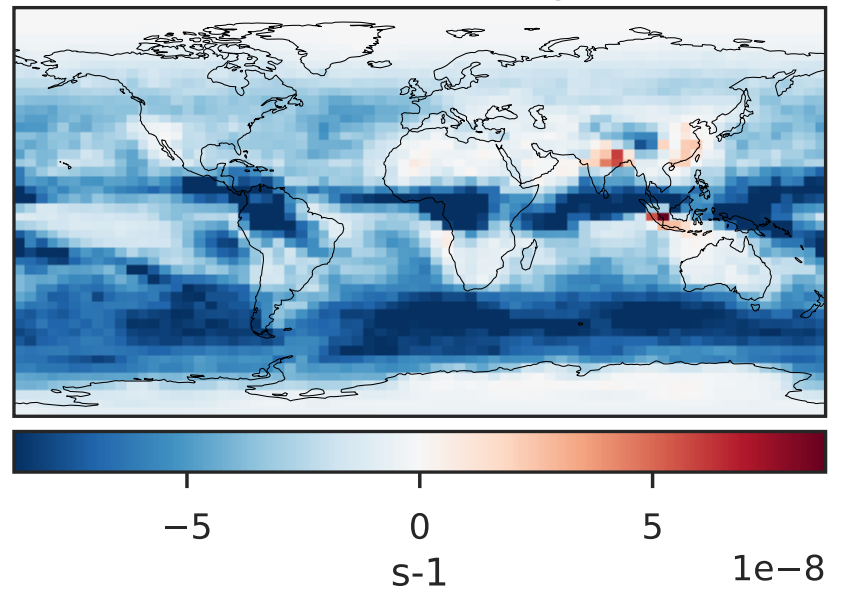
14.3.0-rc.0 (Dev)
4.0x5.0



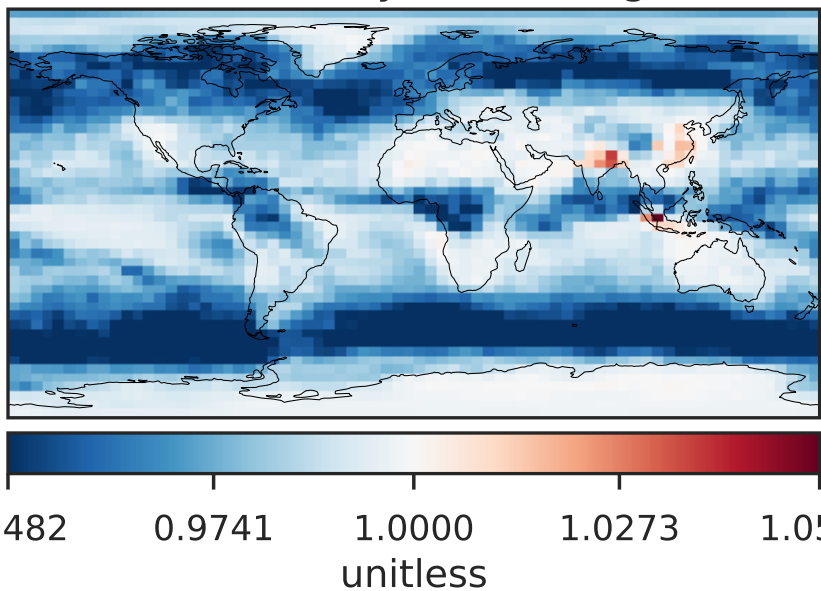
Difference
Dev - Ref, Dynamic Range



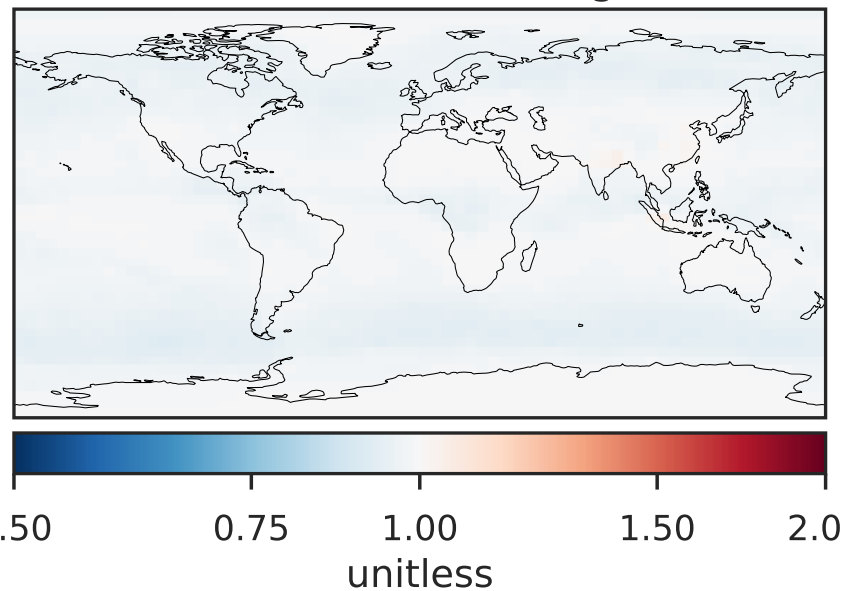
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

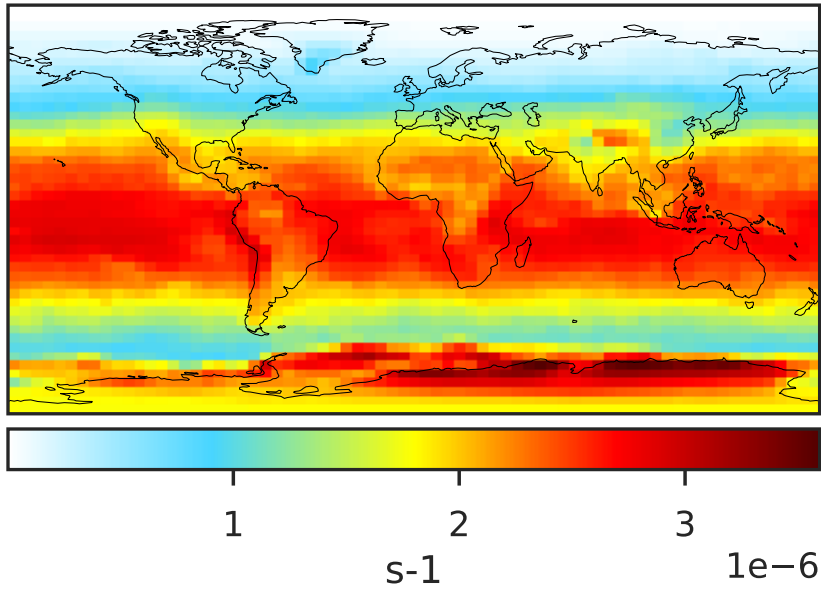


Ratio
Dev/Ref, Fixed Range

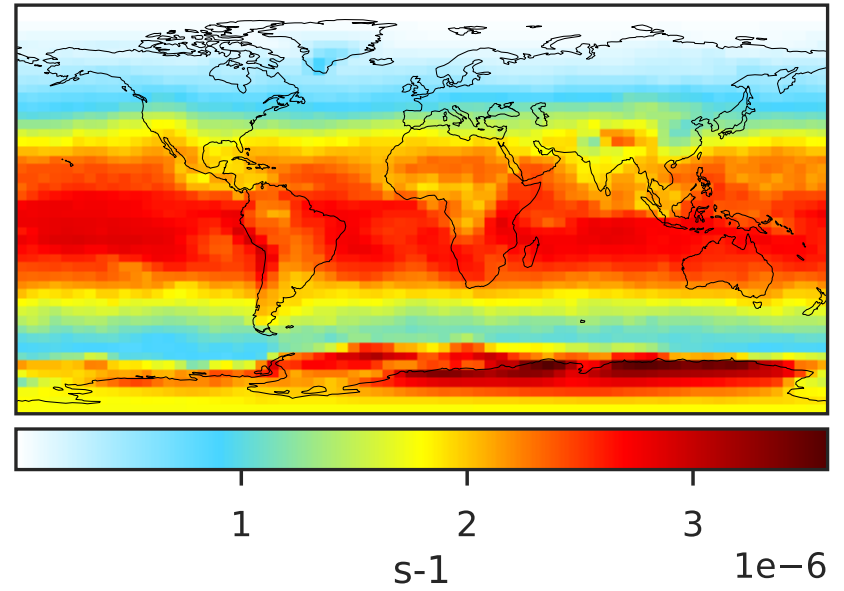


Jval_INPD (Oct2019)

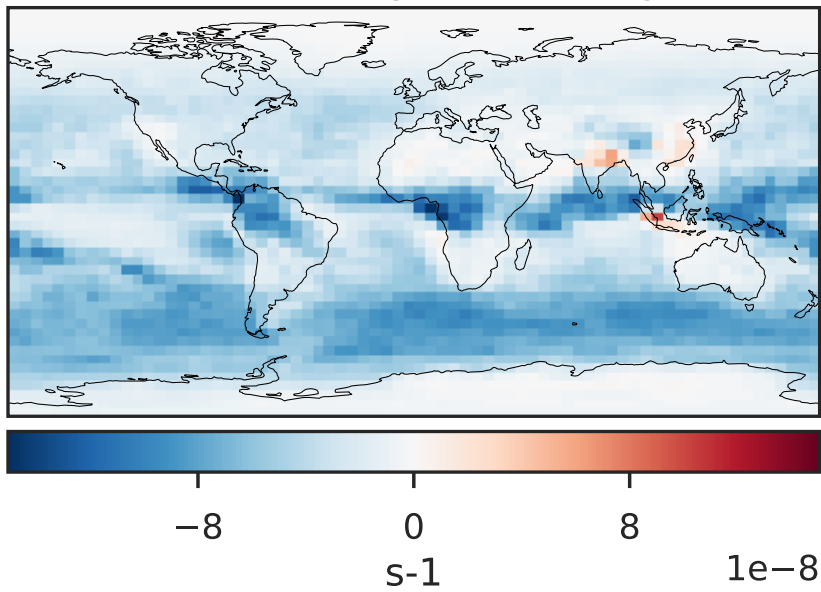
14.2.0-rc.2 (Ref)
4.0x5.0



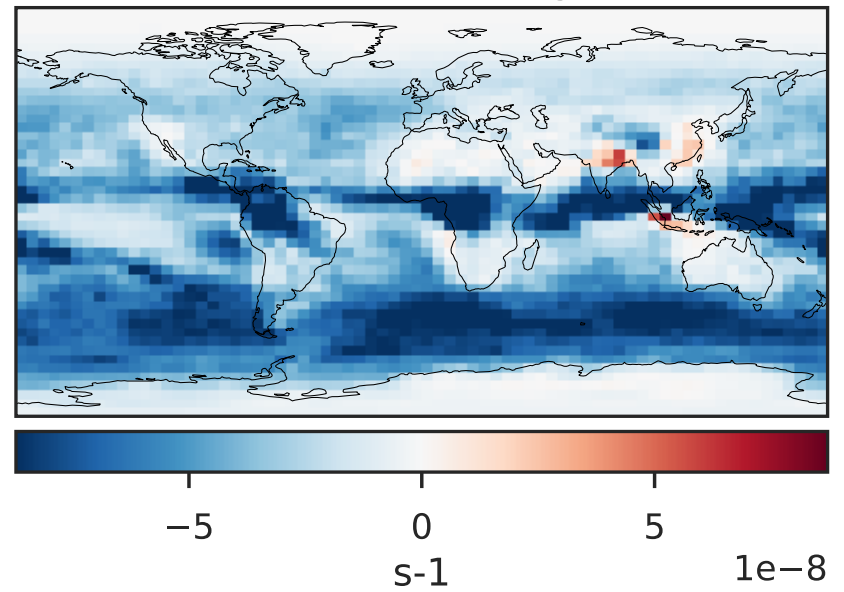
14.3.0-rc.0 (Dev)
4.0x5.0



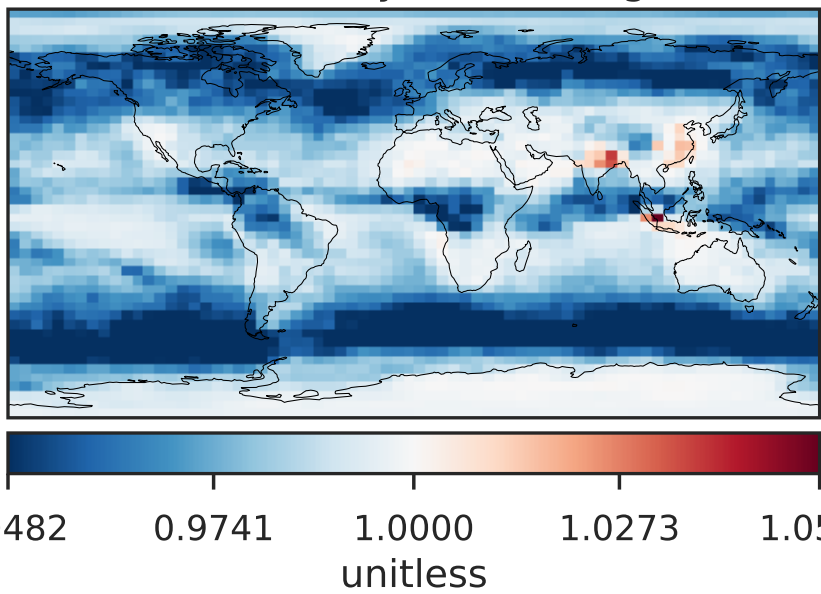
Difference
Dev - Ref, Dynamic Range



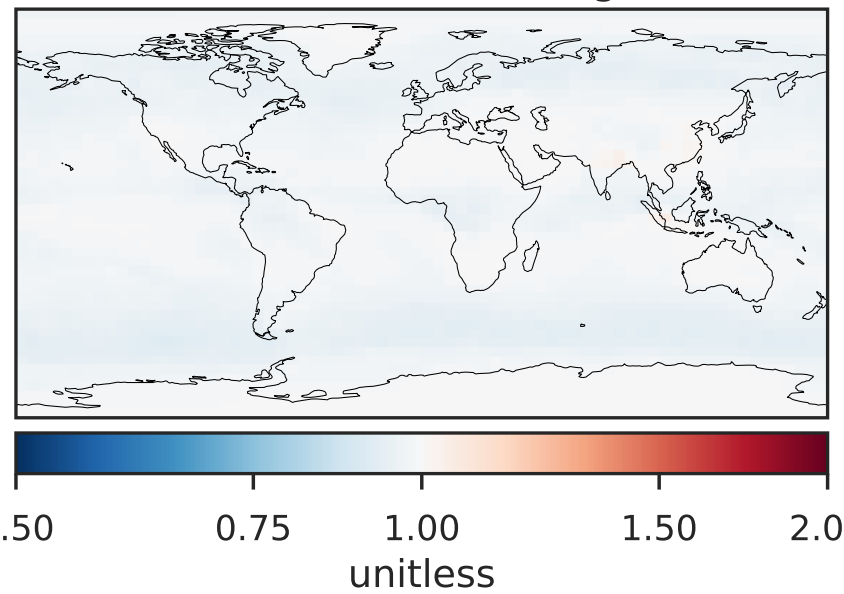
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

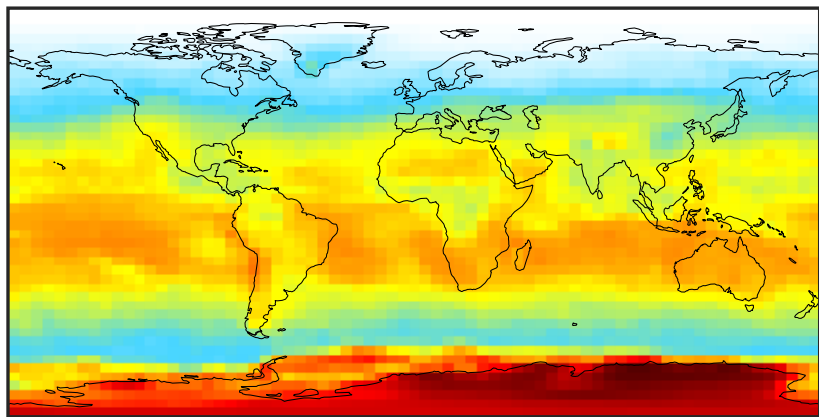


Ratio
Dev/Ref, Fixed Range



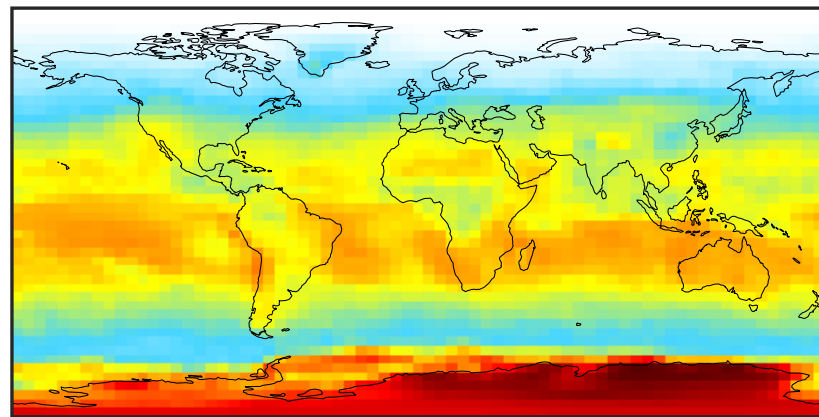
Jval_IO (Oct2019)

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



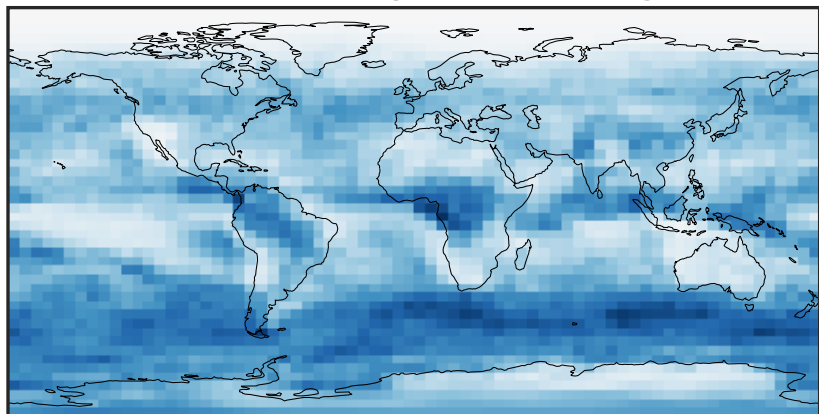
0.0001 0.0363 0.0726 0.1089 0.1451
s-1

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



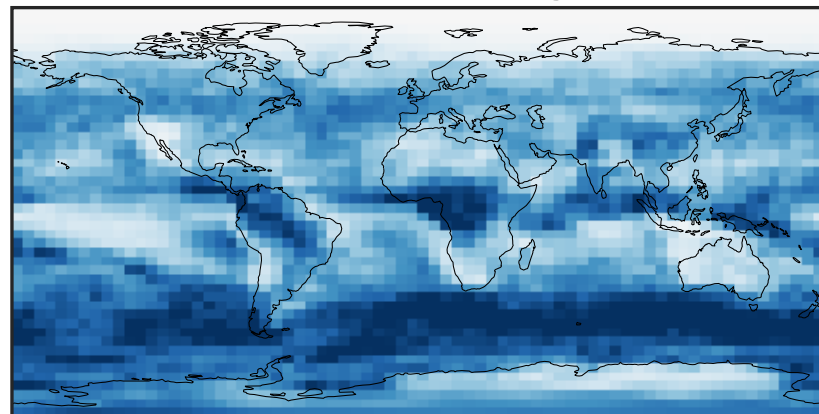
0.0001 0.0363 0.0726 0.1089 0.1451
s-1

Difference
Dev - Ref, Dynamic Range



-0.003 0.000 0.003
s-1

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



-0.0025 0.0000 0.0025
s-1

Ratio
Dev/Ref, Dynamic Range



0.997831 0.998916 1.000000 1.001087 1.002174
unitless

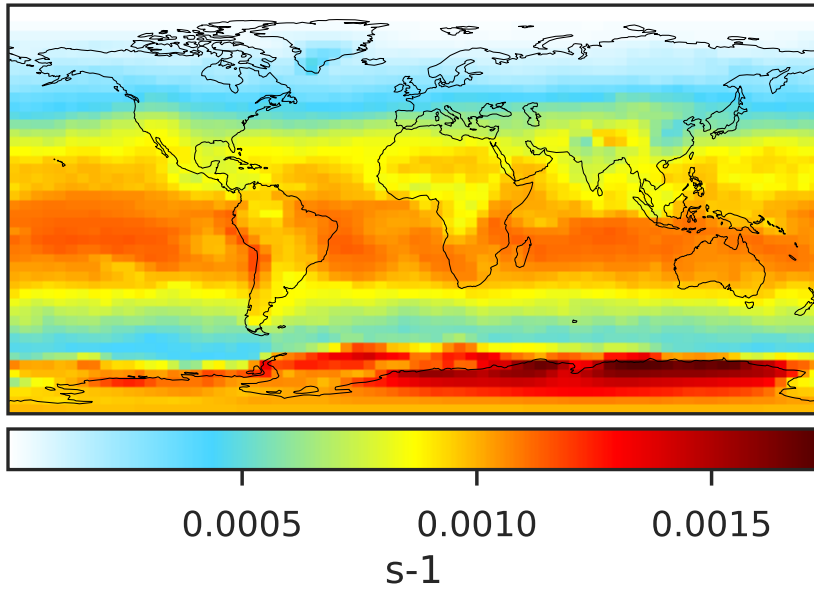
Ratio
Dev/Ref, Fixed Range



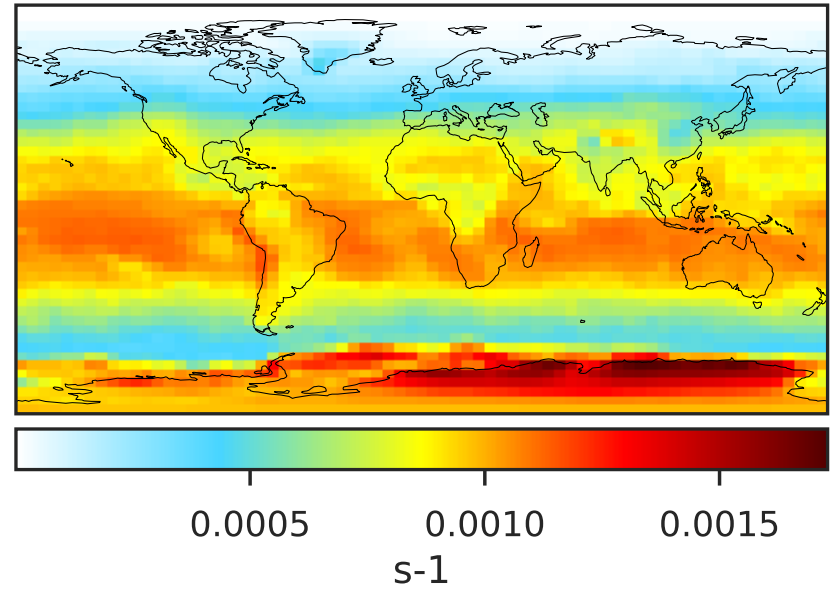
0.50 0.75 1.00 1.50 2.00
unitless

Jval_IONO (Oct2019)

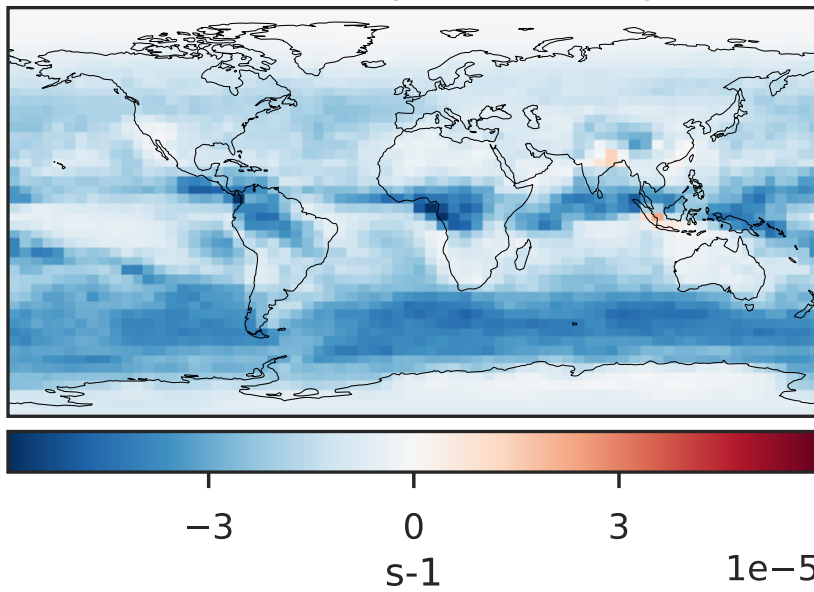
14.2.0-rc.2 (Ref)
4.0x5.0



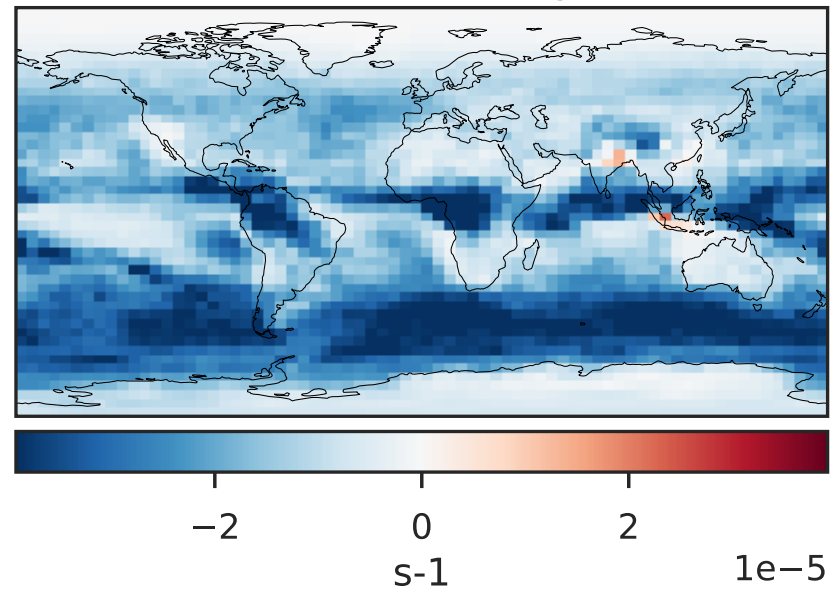
14.3.0-rc.0 (Dev)
4.0x5.0



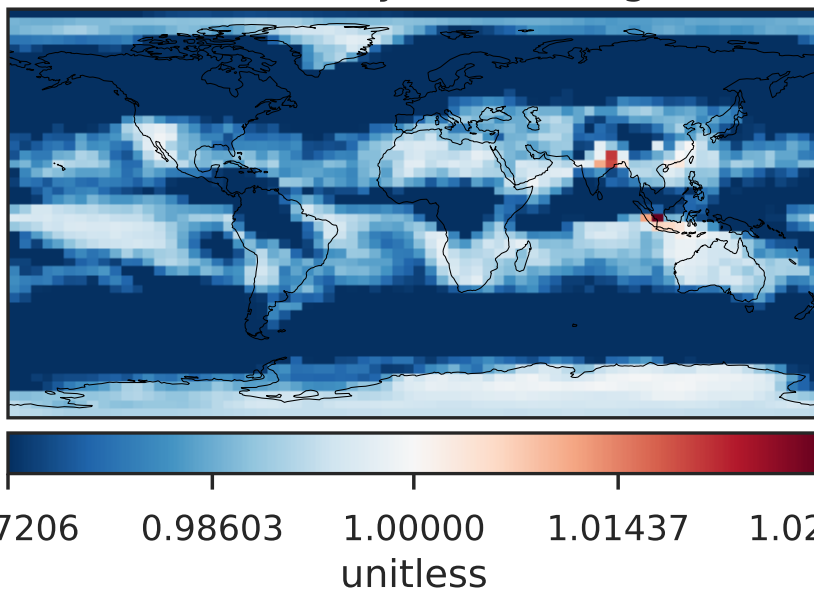
Difference
Dev - Ref, Dynamic Range



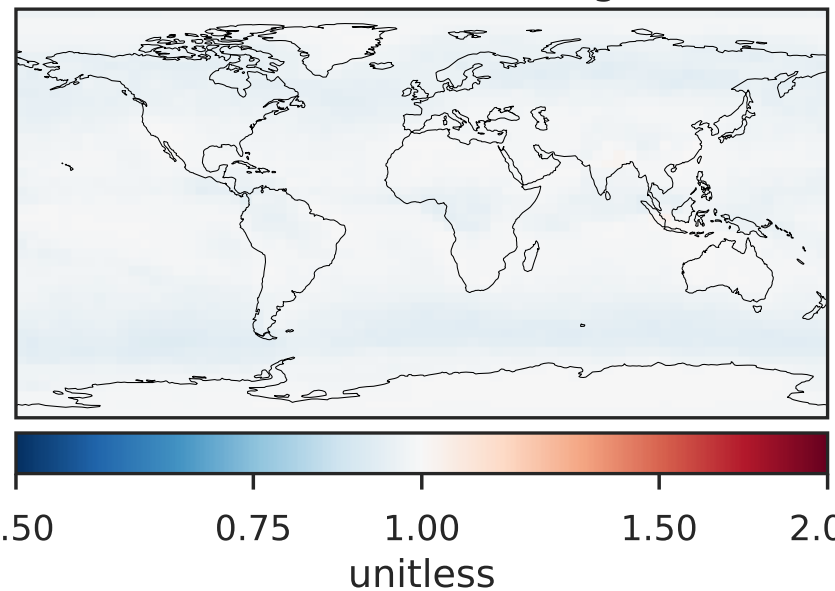
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

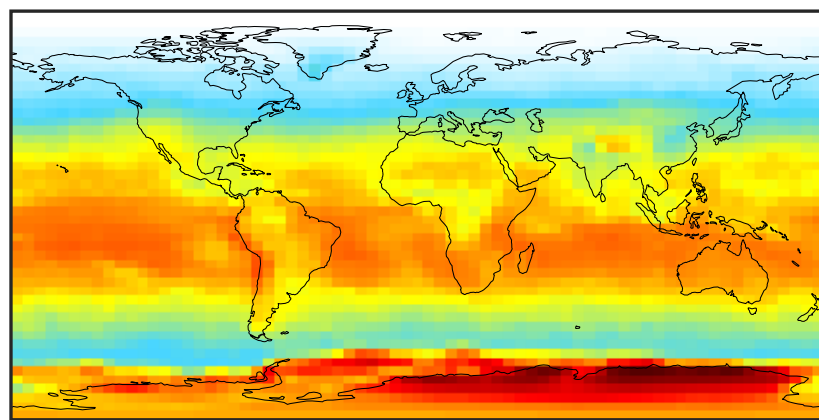


Ratio
Dev/Ref, Fixed Range



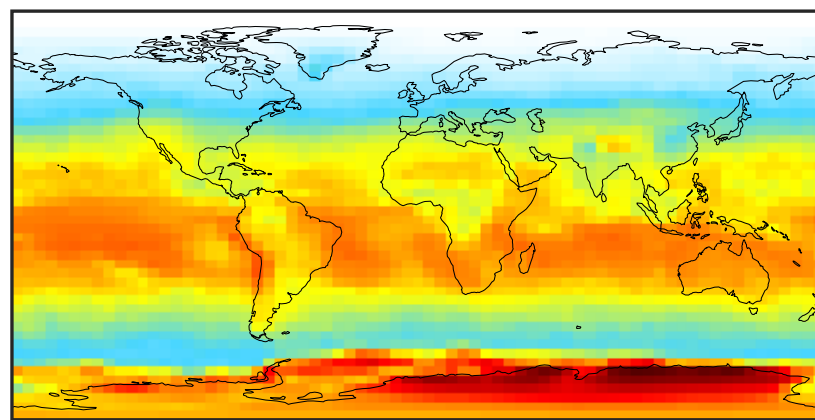
Jval_IONO2 (Oct2019)

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



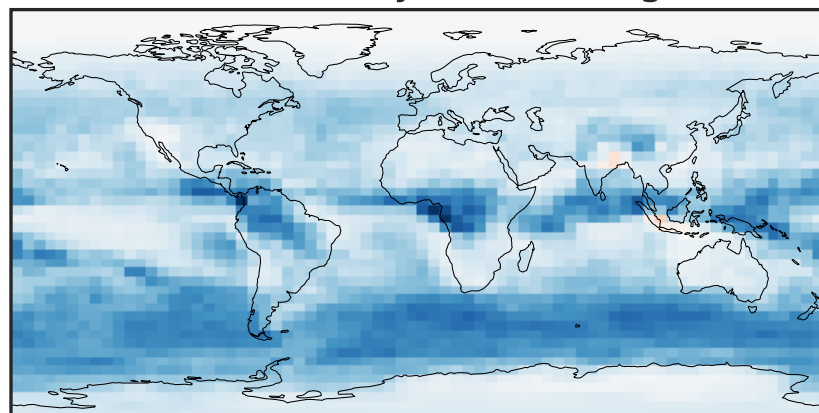
0.0015 0.0030 0.0045
s-1

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



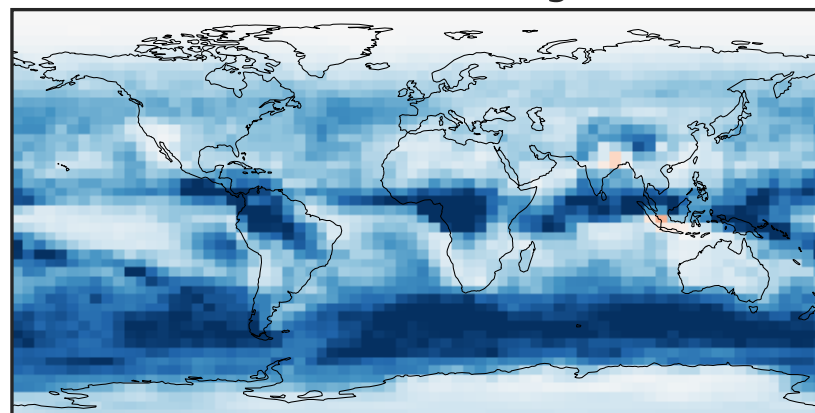
0.0015 0.0030 0.0045
s-1

Difference
Dev - Ref, Dynamic Range



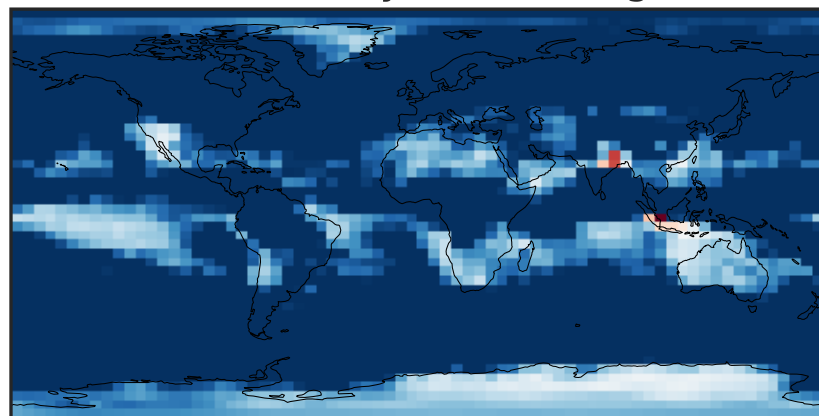
-0.00015 0.00000 0.00015
s-1

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



-8 0 8
s-1 1e-5

Ratio
Dev/Ref, Dynamic Range



0.98267 0.99134 1.00000 1.00882 1.01763
unitless

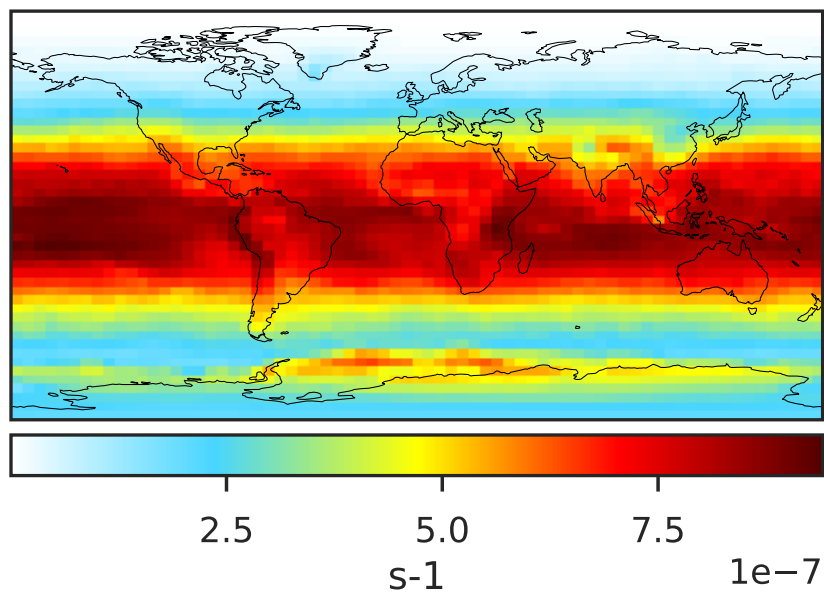
Ratio
Dev/Ref, Fixed Range



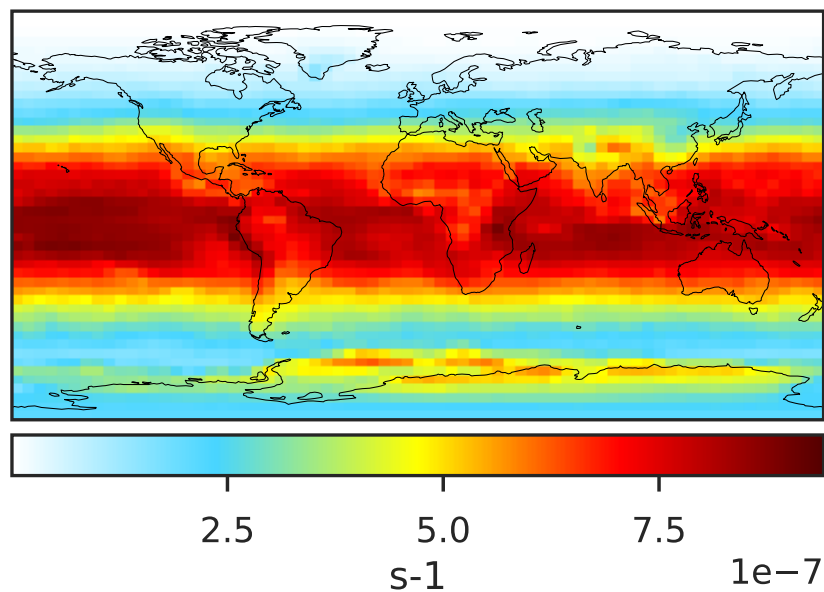
0.50 0.75 1.00 1.50 2.00
unitless

Jval_IPRNO3 (Oct2019)

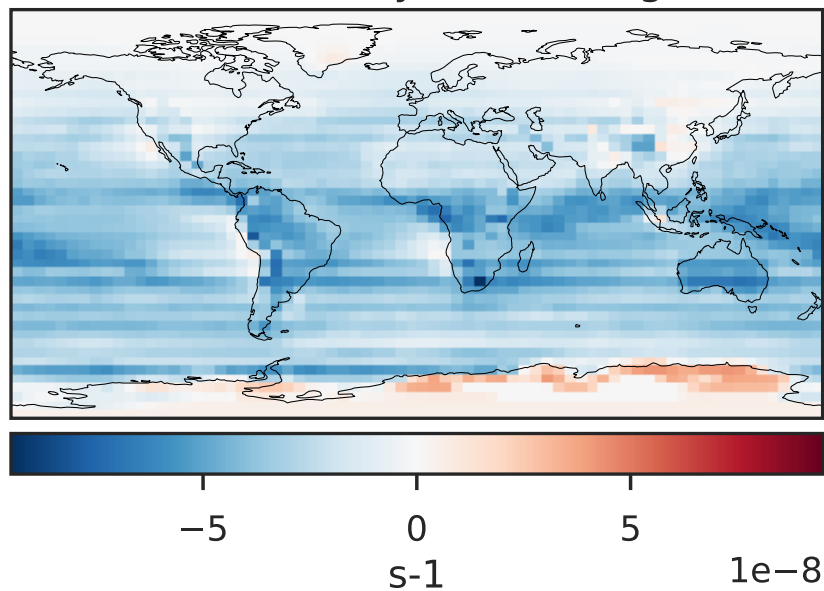
14.2.0-rc.2 (Ref)
4.0x5.0



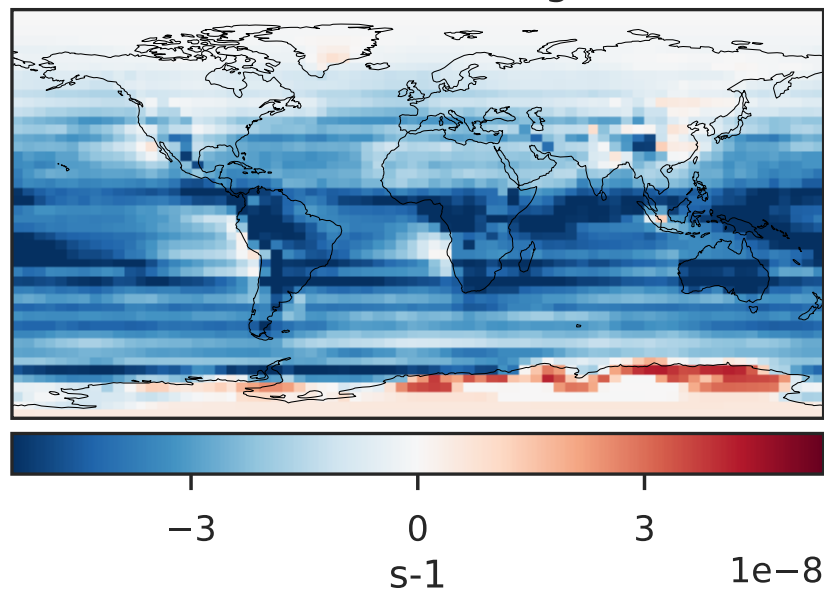
14.3.0-rc.0 (Dev)
4.0x5.0



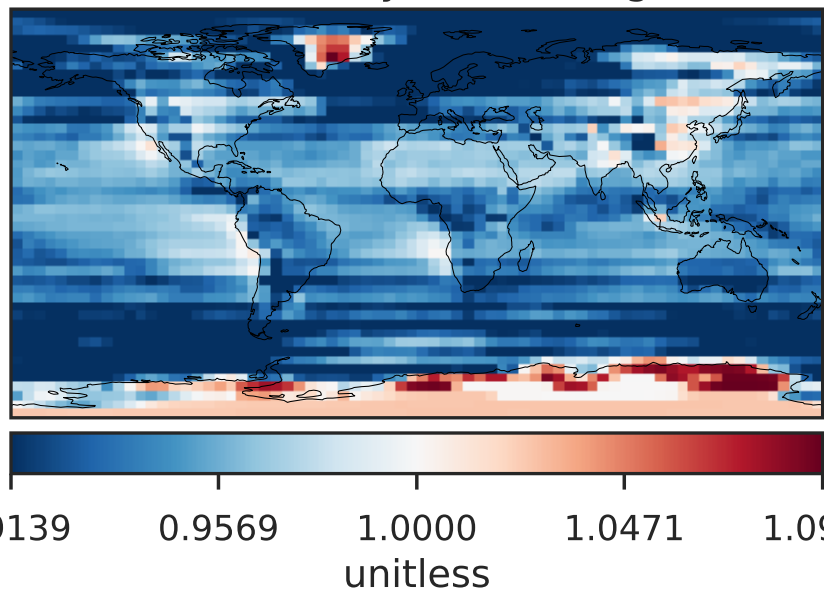
Difference
Dev - Ref, Dynamic Range



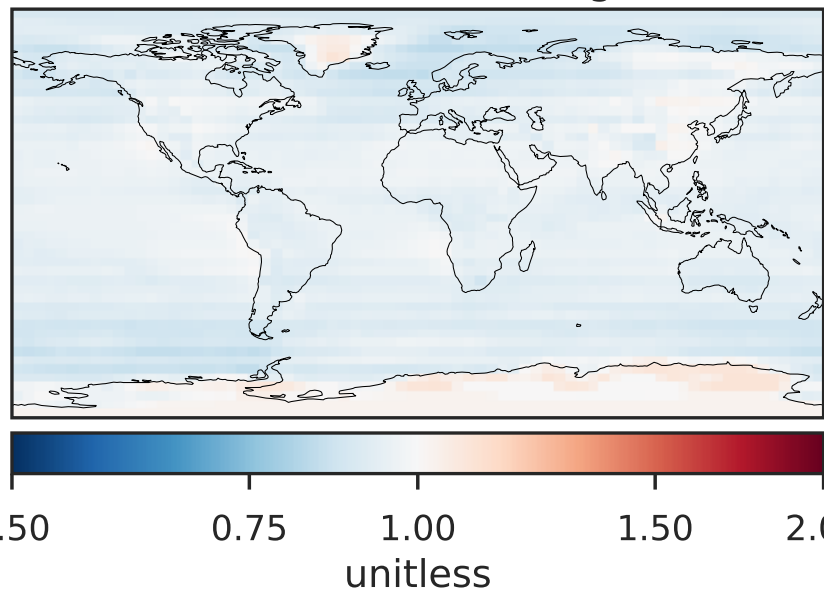
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

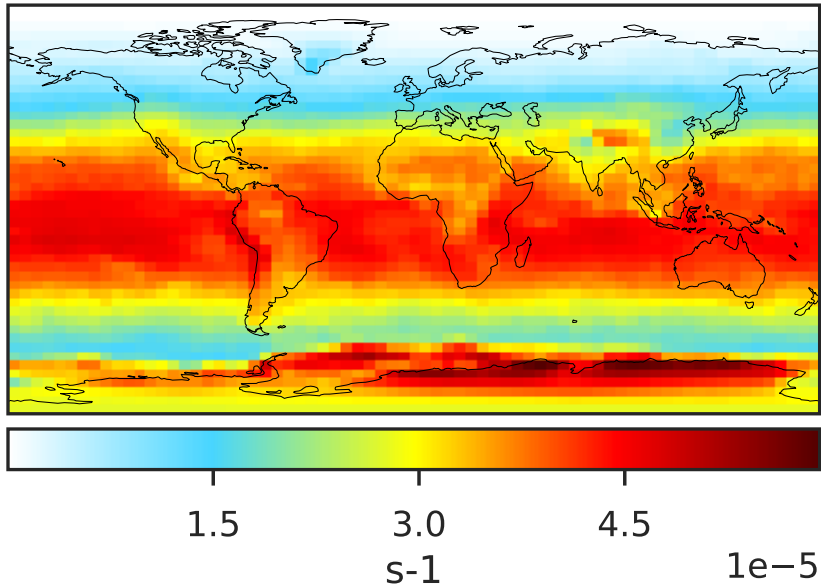


Ratio
Dev/Ref, Fixed Range

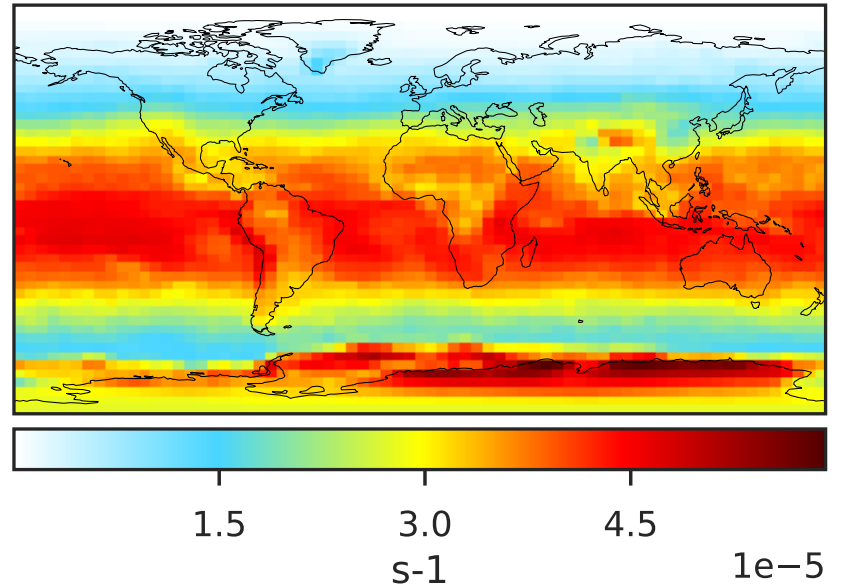


Jval_ITCN (Oct2019)

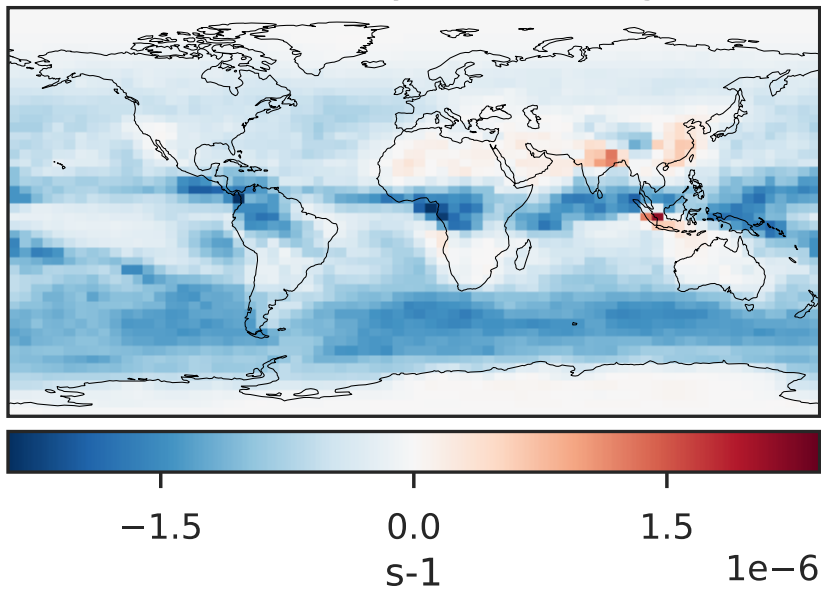
14.2.0-rc.2 (Ref)
4.0x5.0



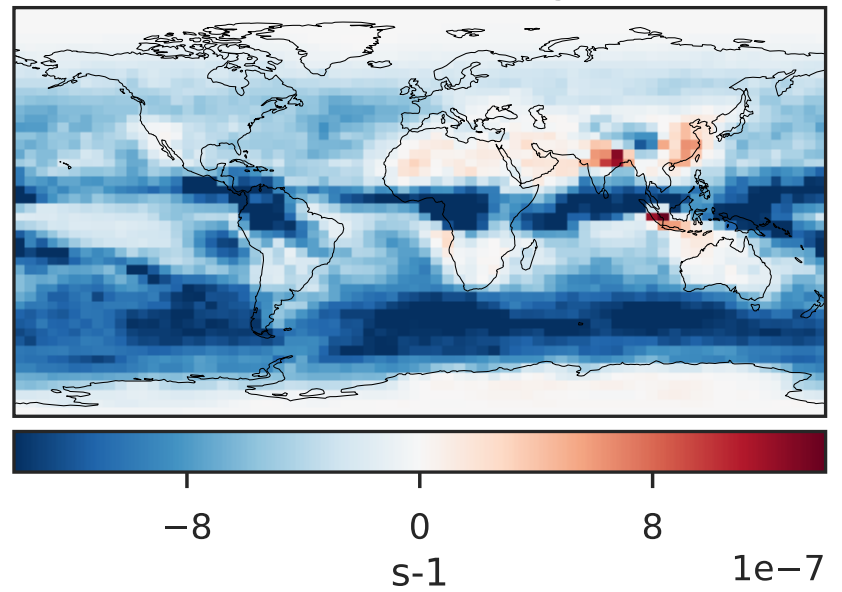
14.3.0-rc.0 (Dev)
4.0x5.0



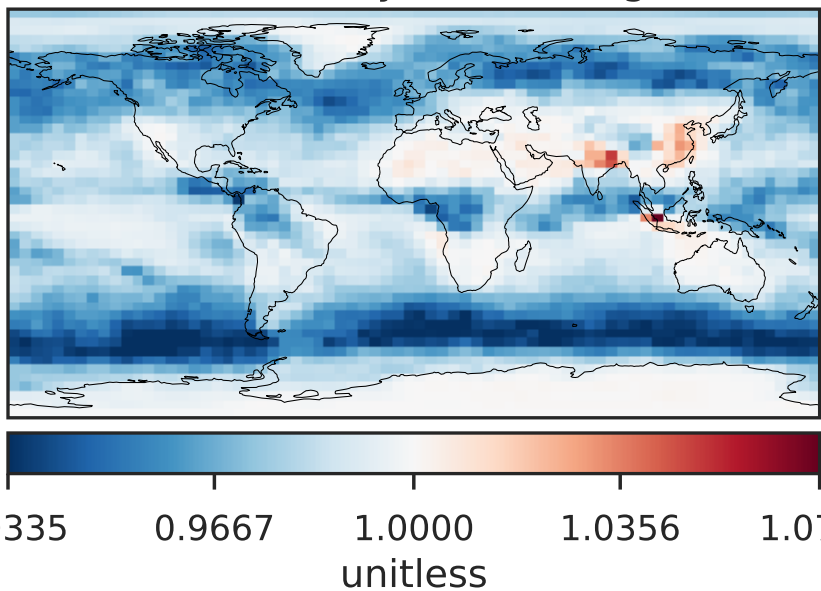
Difference
Dev - Ref, Dynamic Range



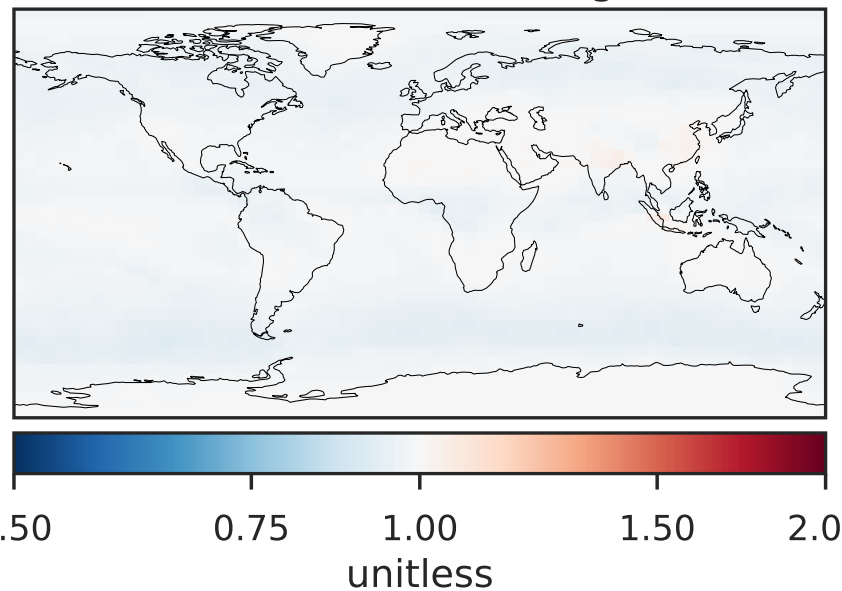
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

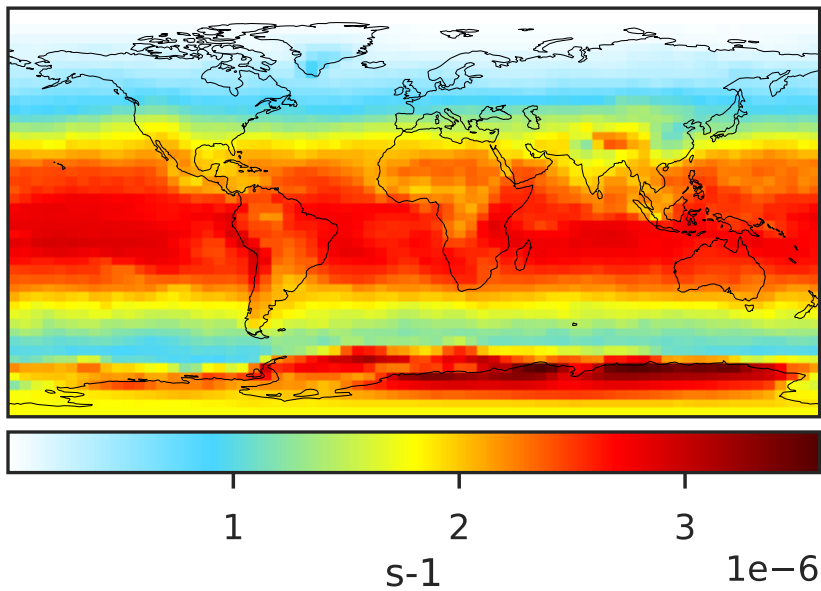


Ratio
Dev/Ref, Fixed Range

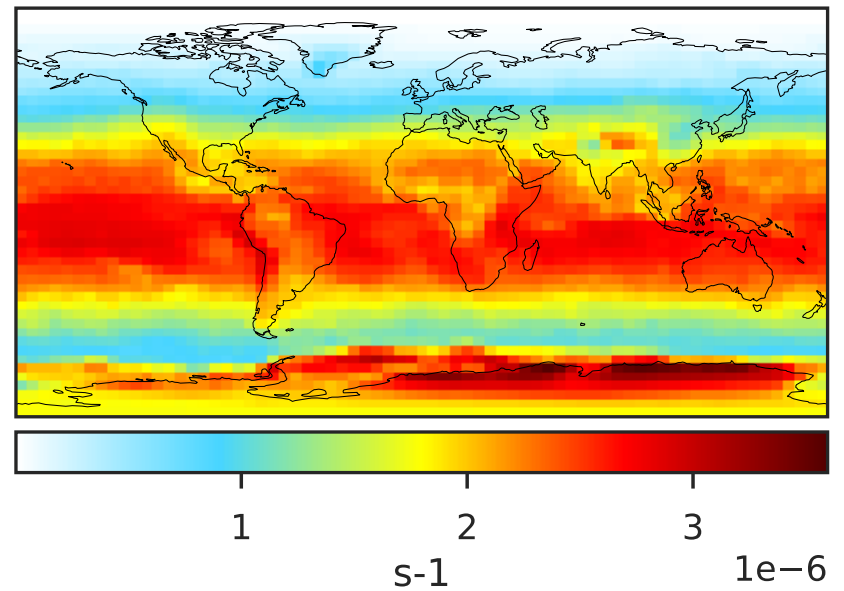


Jval_ITHN (Oct2019)

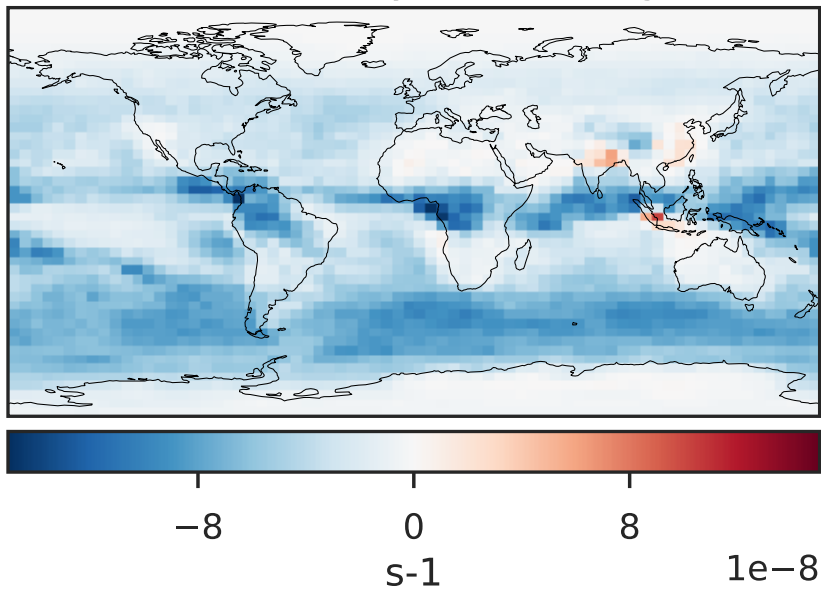
14.2.0-rc.2 (Ref)
4.0x5.0



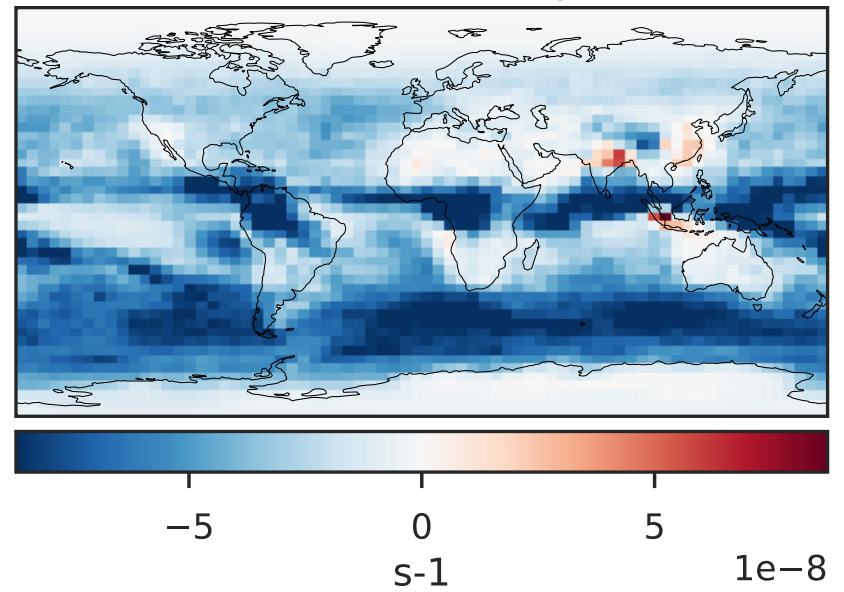
14.3.0-rc.0 (Dev)
4.0x5.0



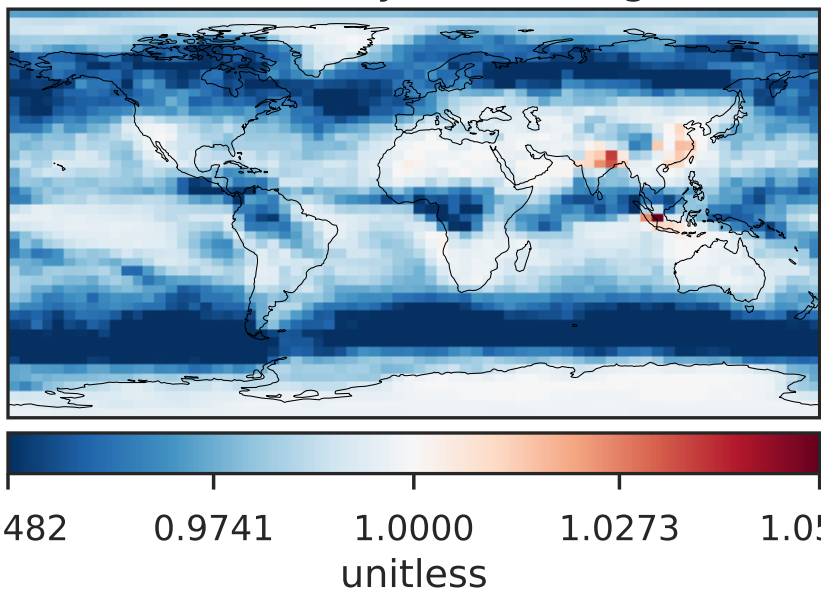
Difference
Dev - Ref, Dynamic Range



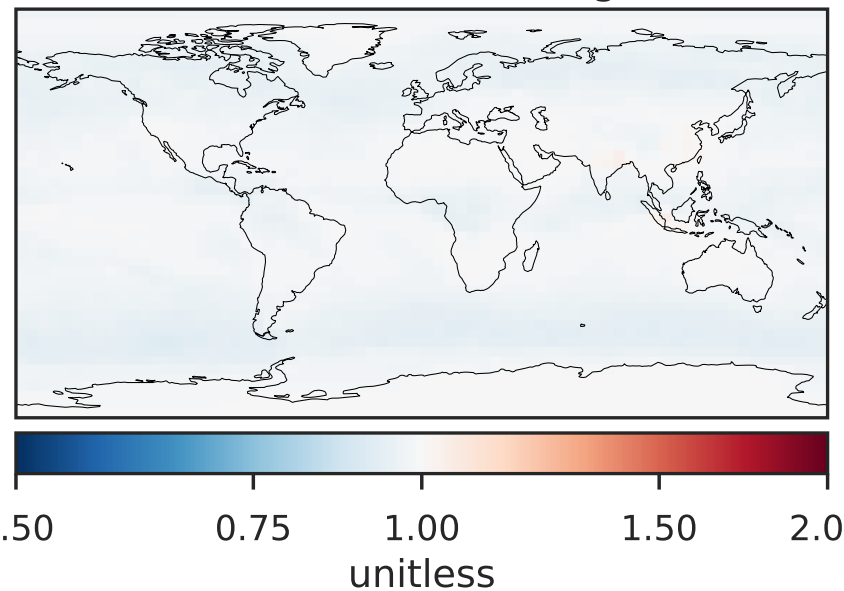
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

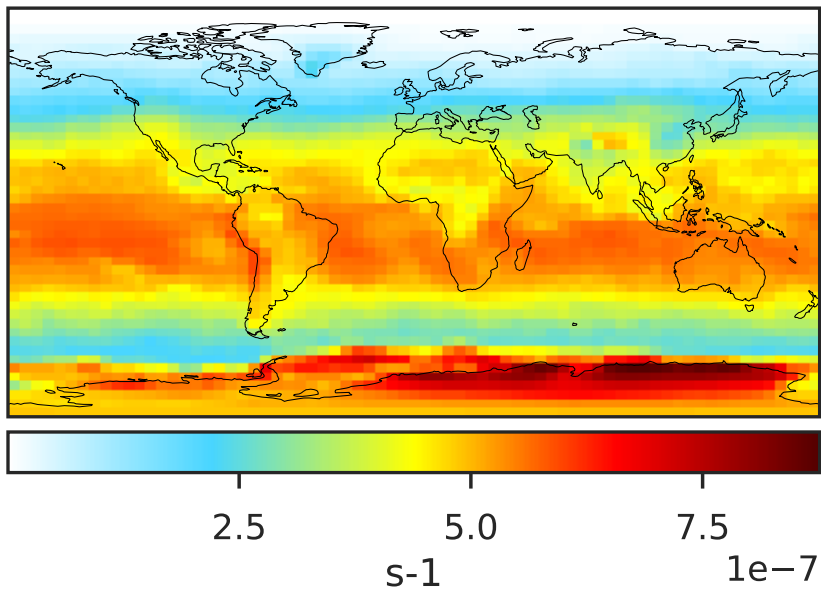


Ratio
Dev/Ref, Fixed Range

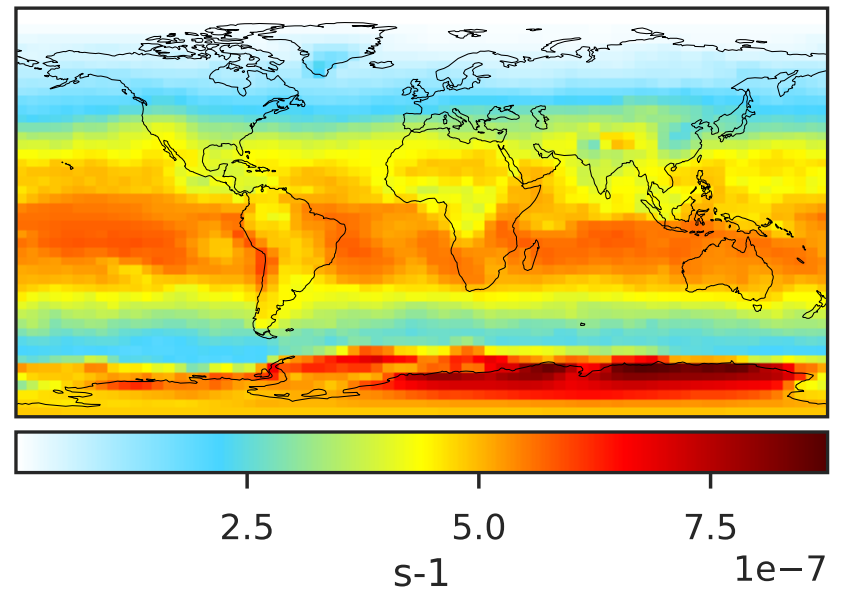


Jval_MACR (Oct2019)

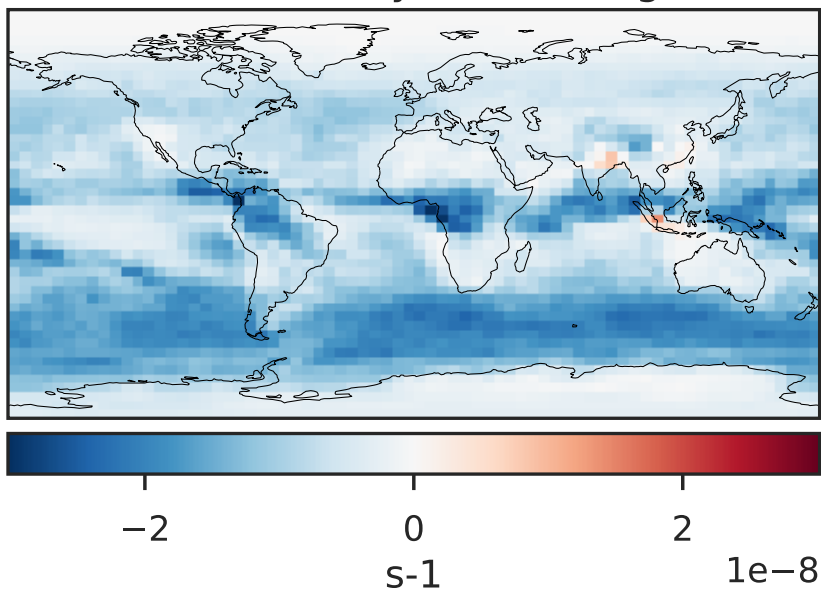
14.2.0-rc.2 (Ref)
4.0x5.0



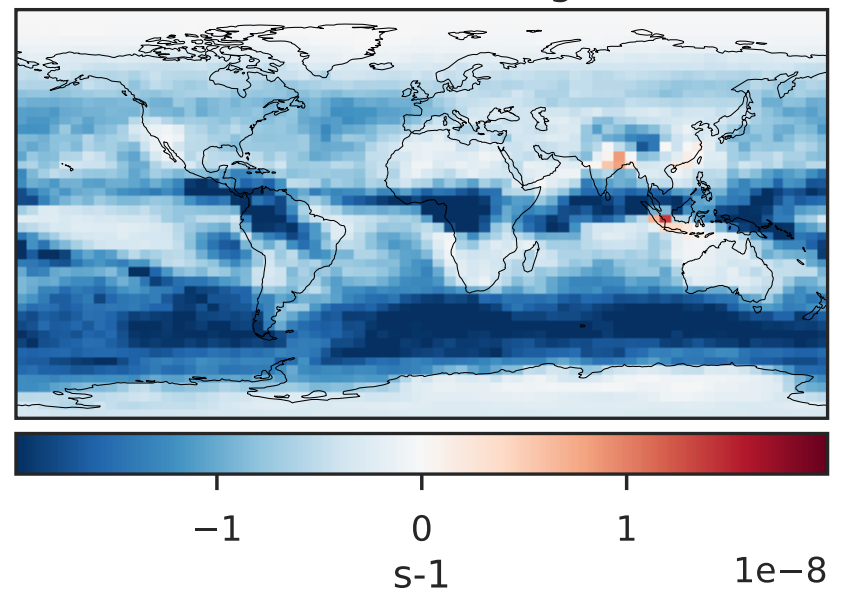
14.3.0-rc.0 (Dev)
4.0x5.0



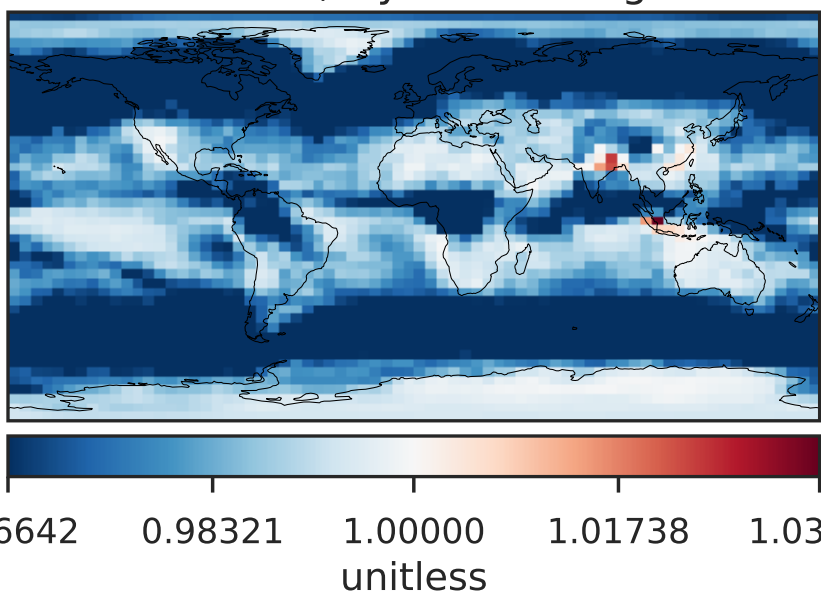
Difference
Dev - Ref, Dynamic Range



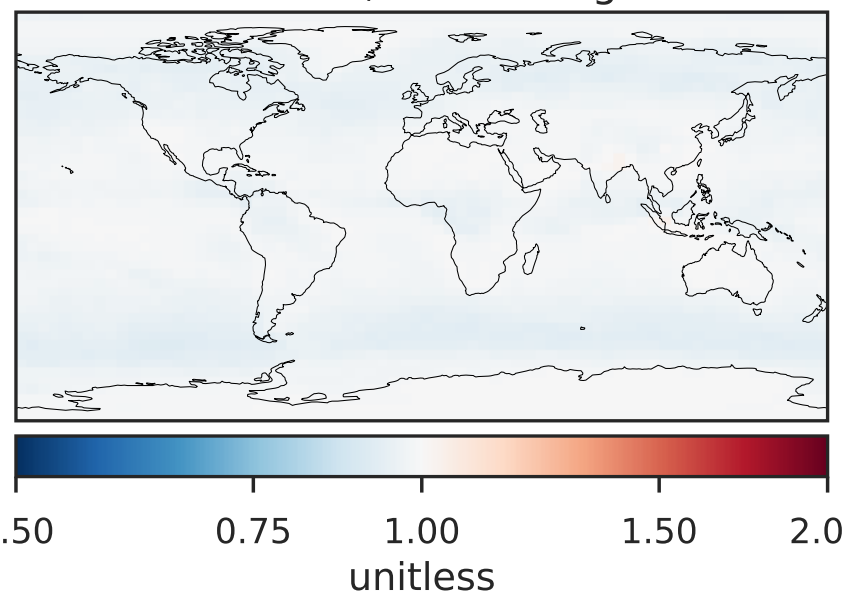
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range



Ratio
Dev/Ref, Fixed Range

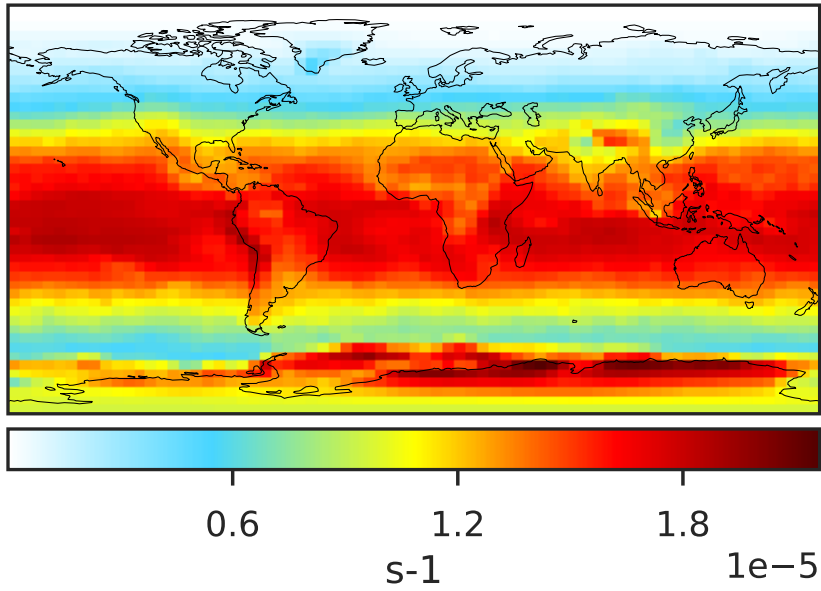


0.96642 0.98321 1.00000 1.01738 1.03475
unitless

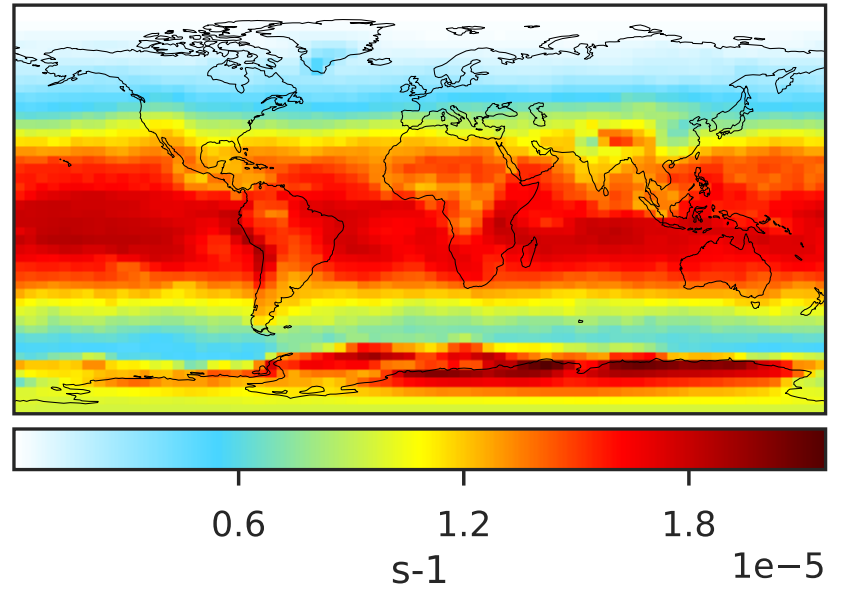
0.50 0.75 1.00 1.50 2.00
unitless

Jval_MACR100H (Oct2019)

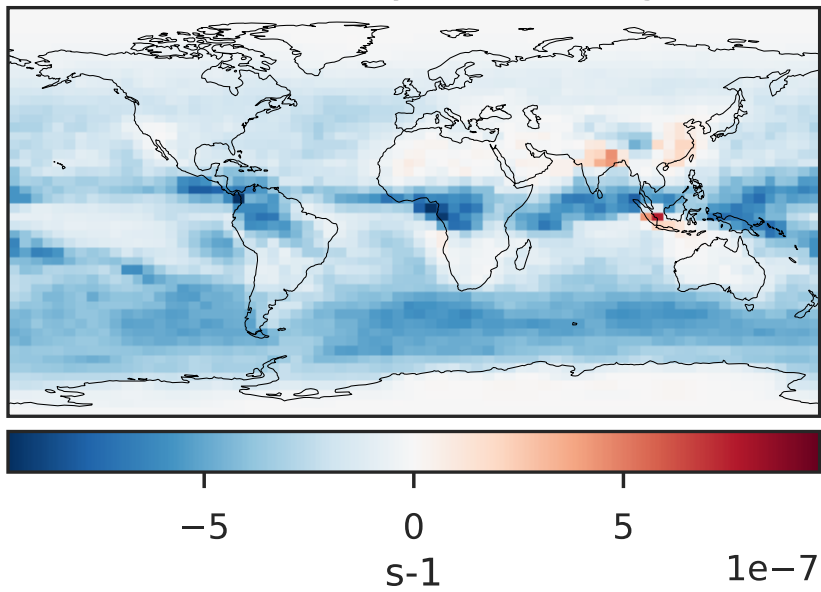
14.2.0-rc.2 (Ref)
4.0x5.0



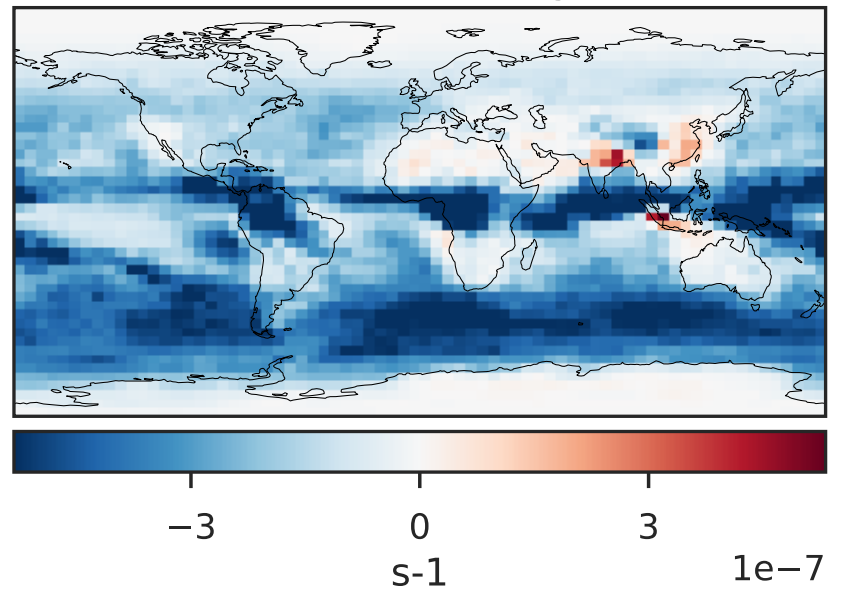
14.3.0-rc.0 (Dev)
4.0x5.0



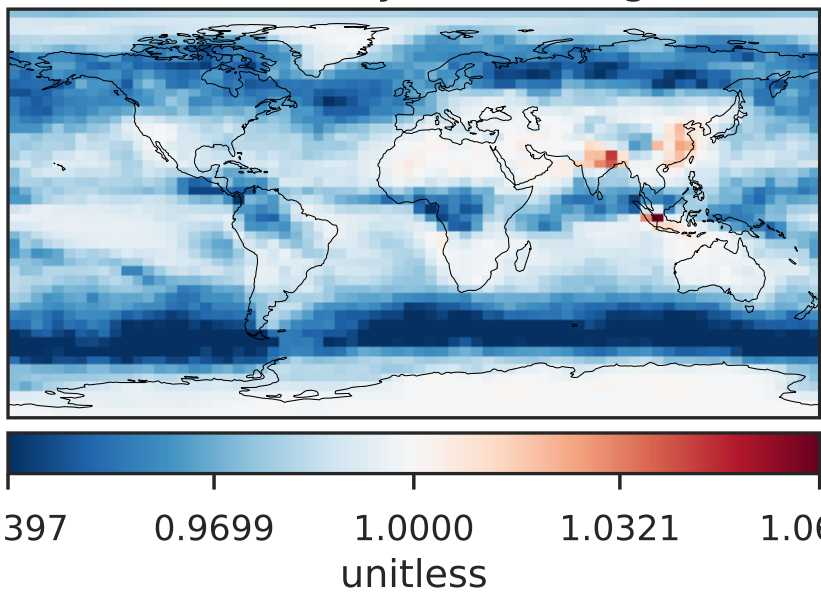
Difference
Dev - Ref, Dynamic Range



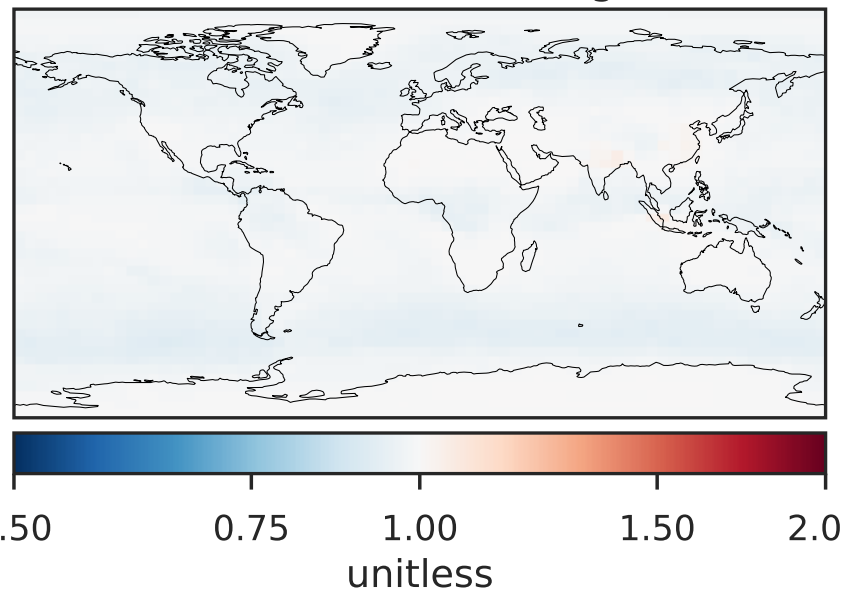
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

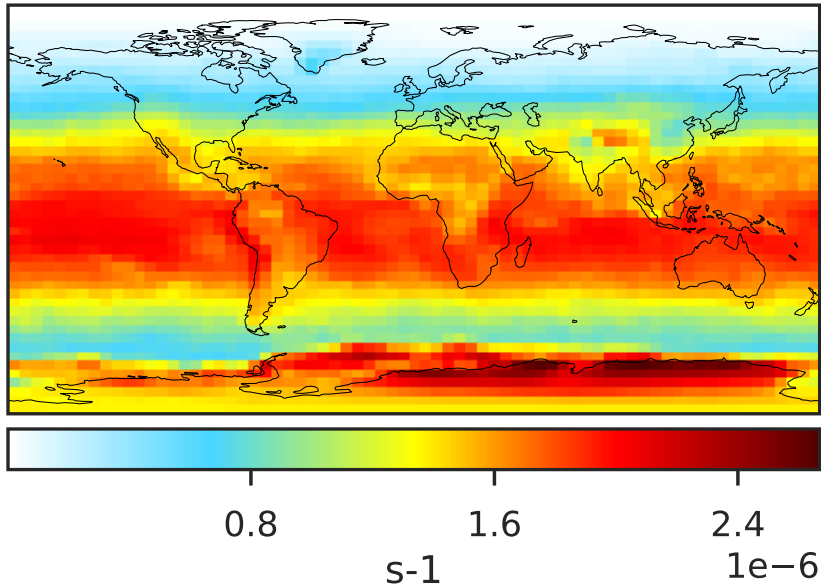


Ratio
Dev/Ref, Fixed Range

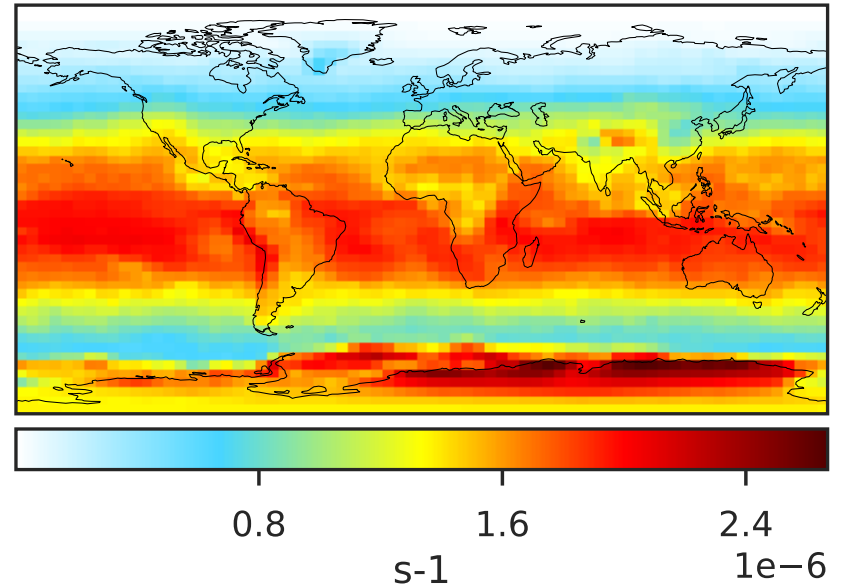


Jval_MAP (Oct2019)

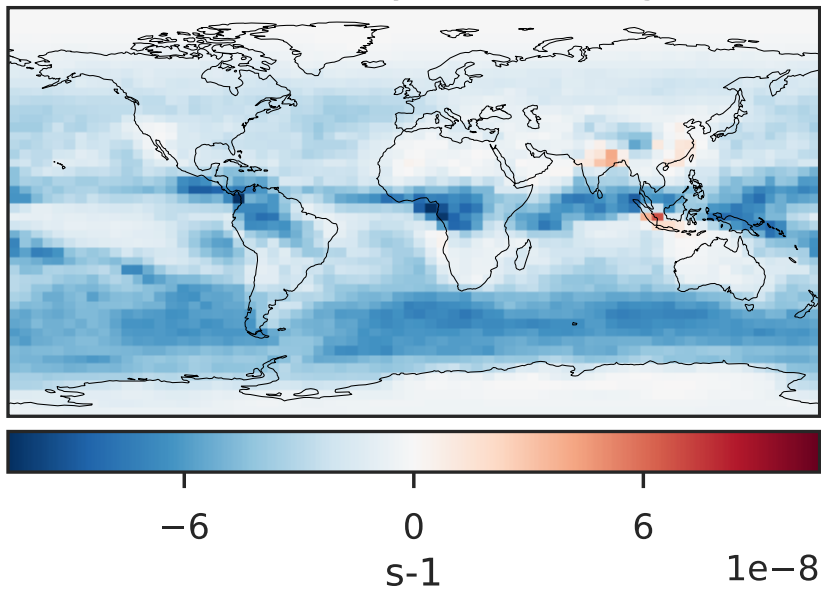
14.2.0-rc.2 (Ref)
4.0x5.0



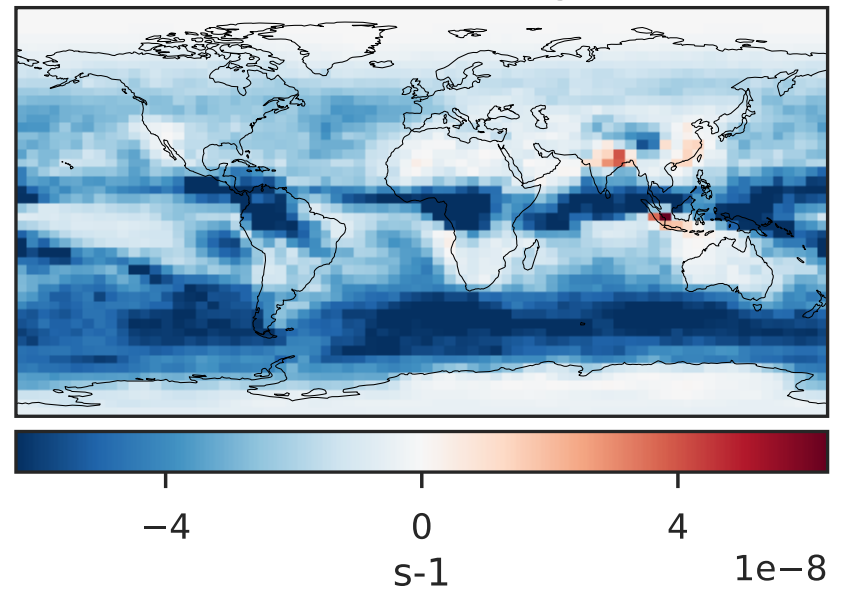
14.3.0-rc.0 (Dev)
4.0x5.0



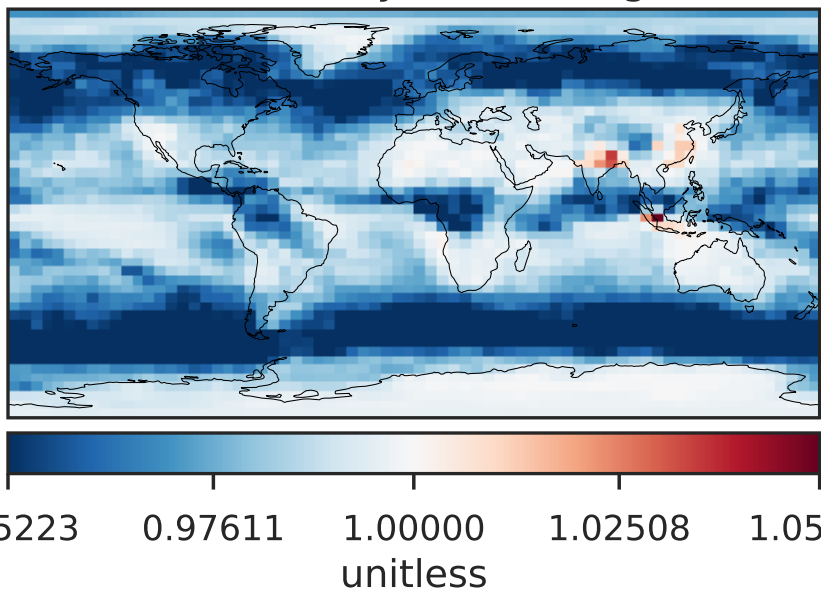
Difference
Dev - Ref, Dynamic Range



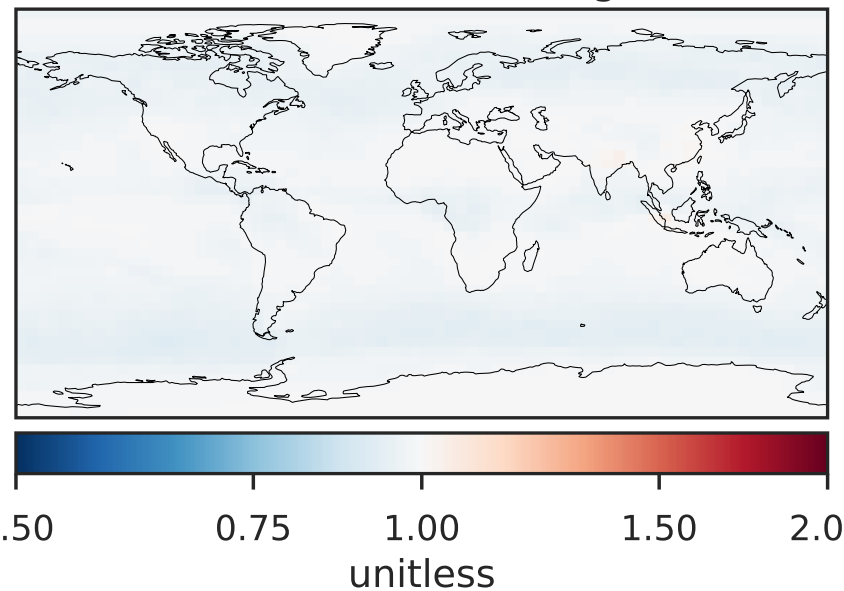
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

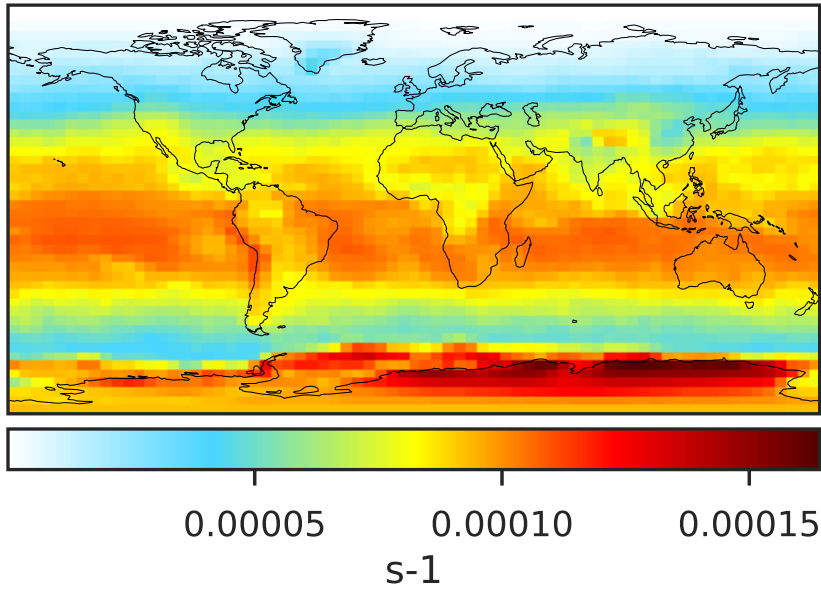


Ratio
Dev/Ref, Fixed Range

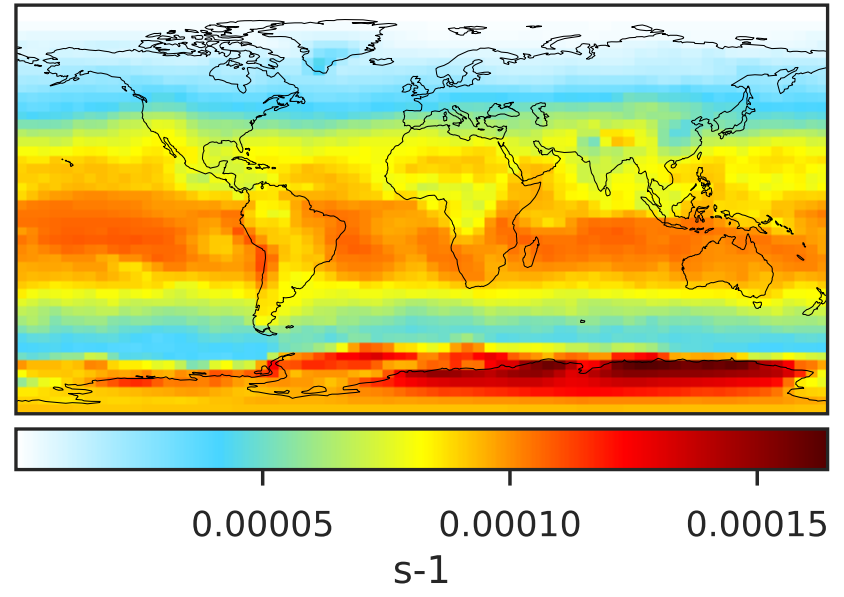


Jval_MCRENOL (Oct2019)

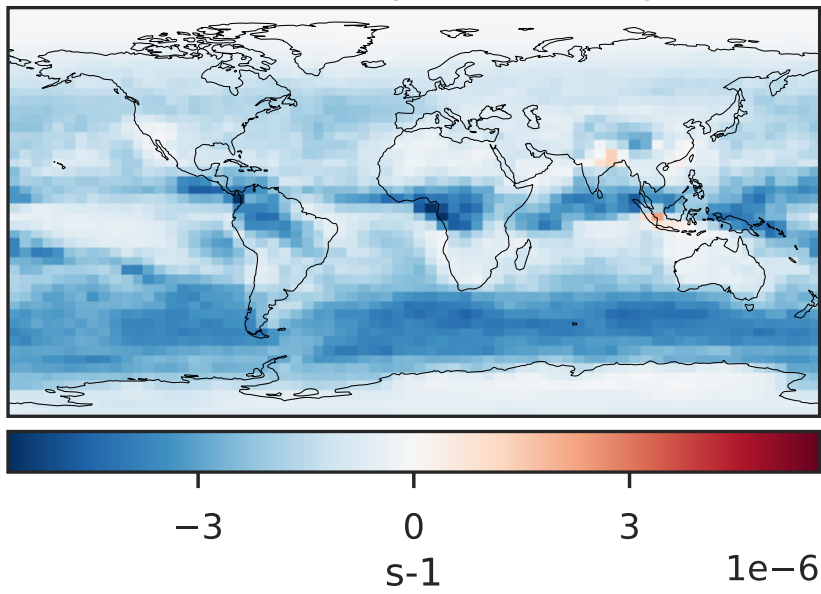
14.2.0-rc.2 (Ref)
4.0x5.0



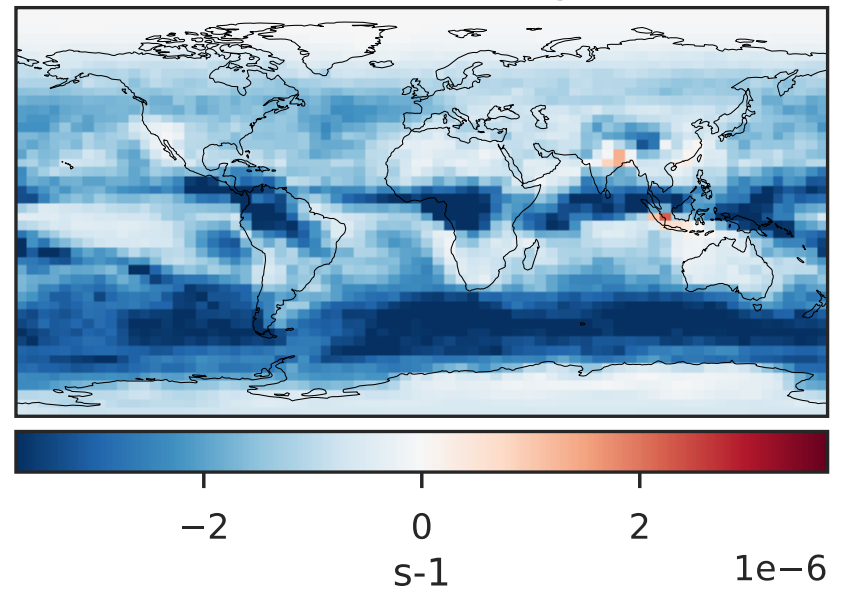
14.3.0-rc.0 (Dev)
4.0x5.0



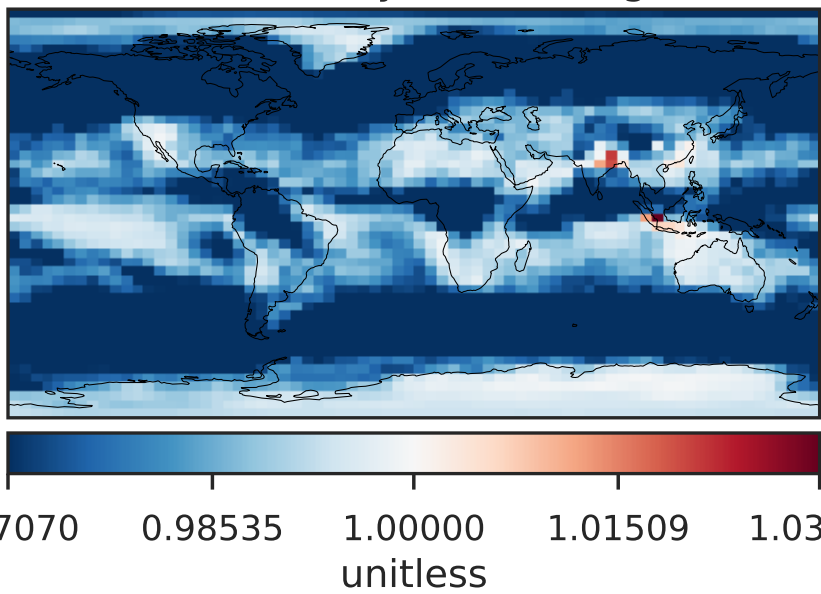
Difference
Dev - Ref, Dynamic Range



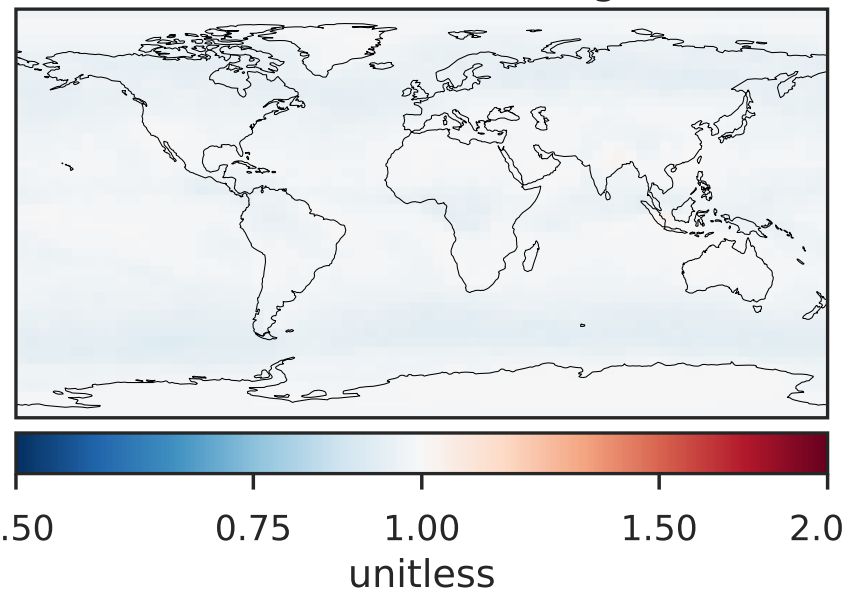
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

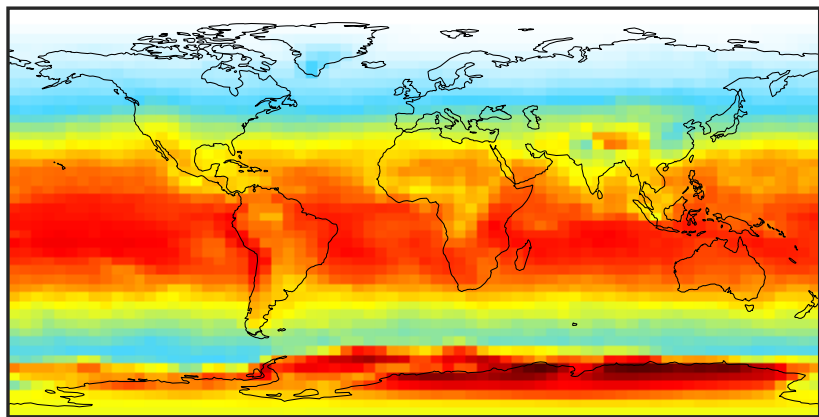


Ratio
Dev/Ref, Fixed Range



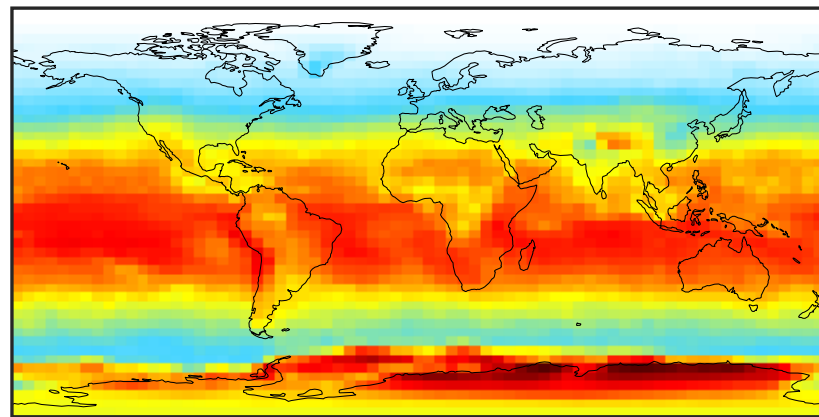
Jval_MCRHN (Oct2019)

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



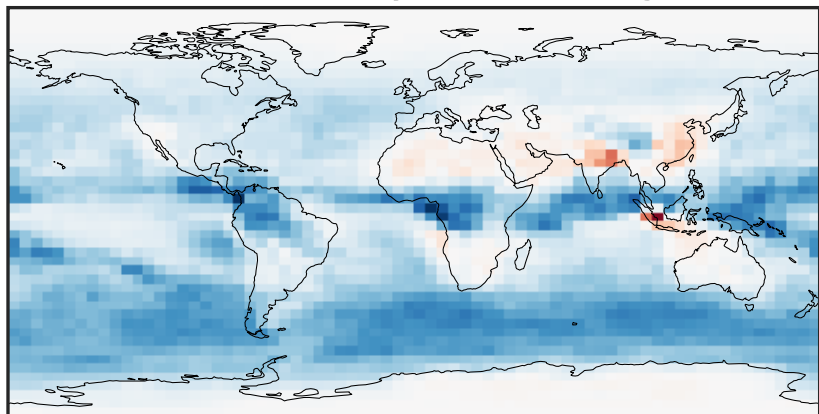
0.00004 0.00008 0.00012
s-1

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



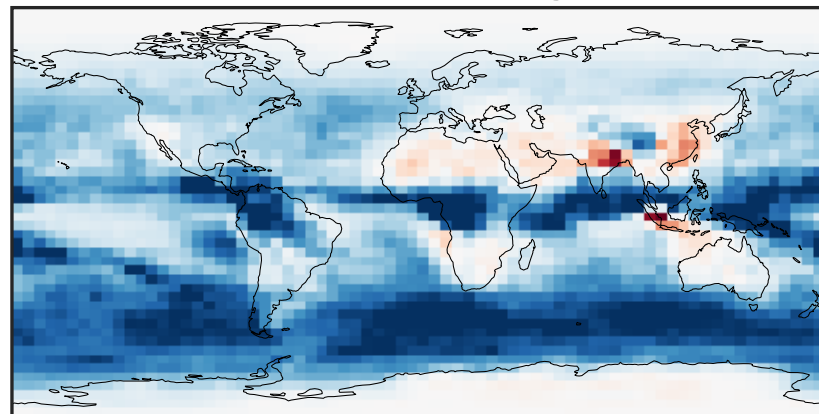
0.00004 0.00008 0.00012
s-1

Difference
Dev - Ref, Dynamic Range



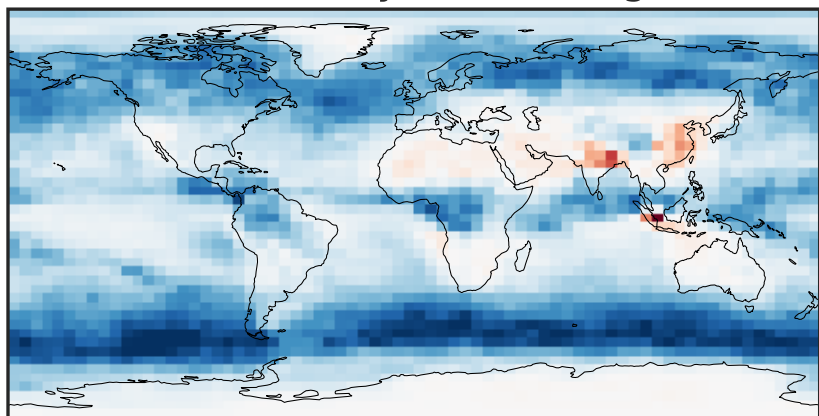
-4 0 4
s-1 1e-6

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



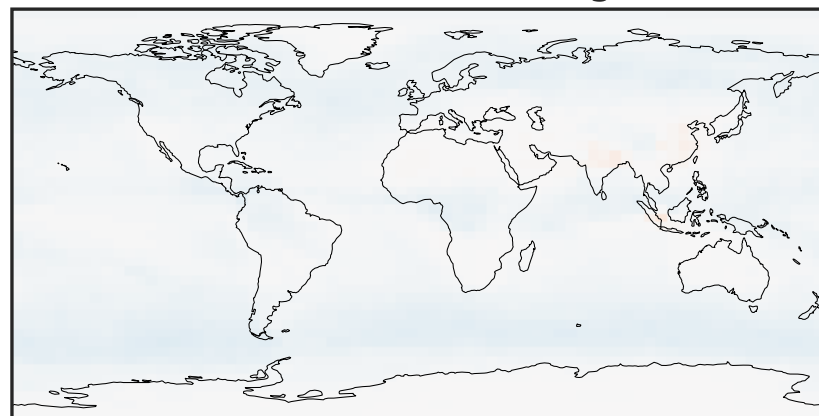
-2 0 2
s-1 1e-6

Ratio
Dev/Ref, Dynamic Range



0.9307 0.9653 1.0000 1.0372 1.0745
unitless

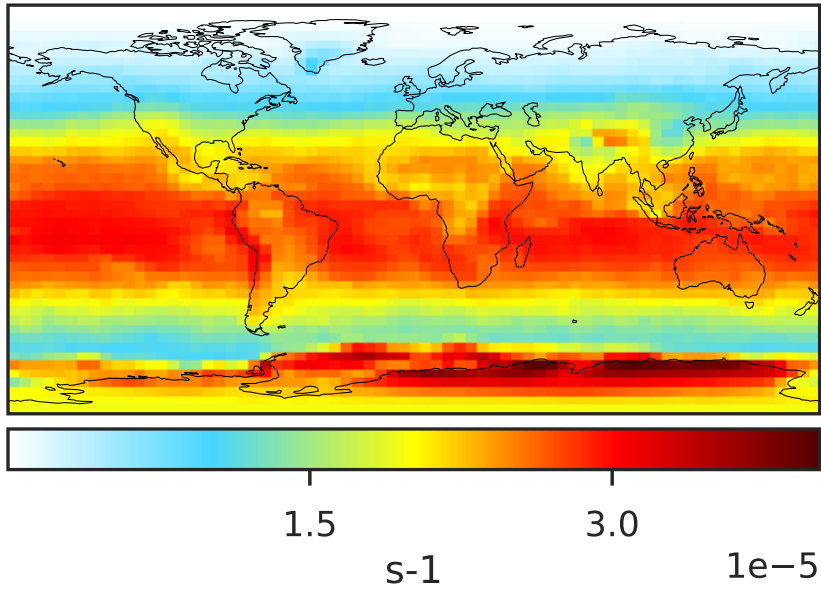
Ratio
Dev/Ref, Fixed Range



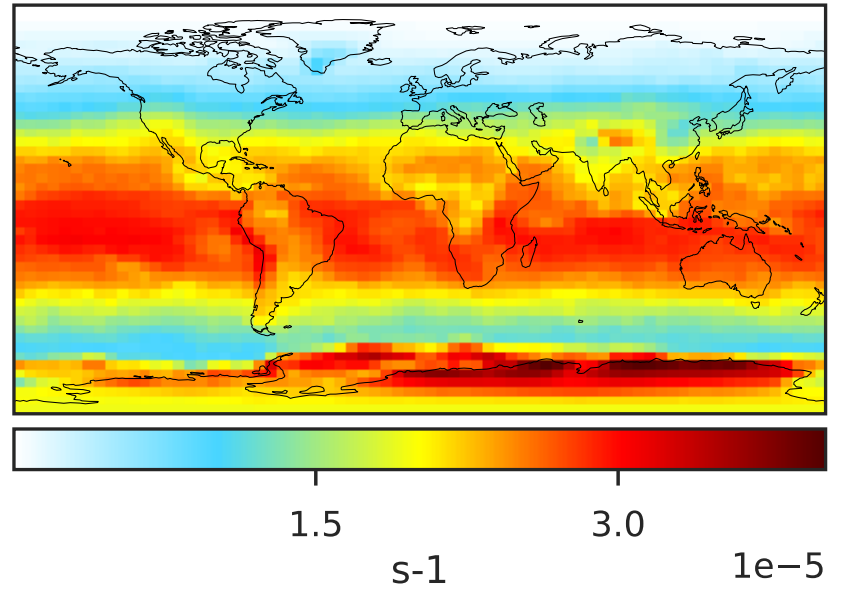
0.50 0.75 1.00 1.50 2.00
unitless

Jval_MCRHNB (Oct2019)

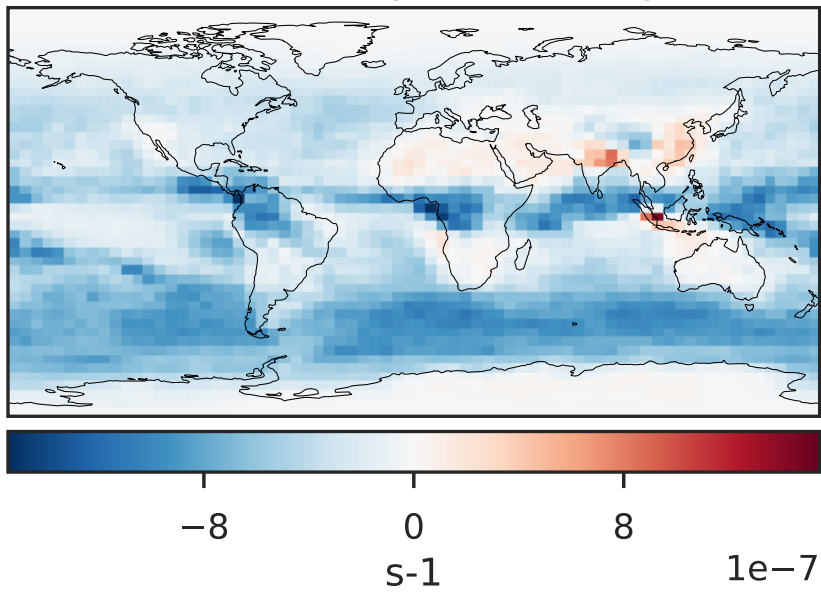
14.2.0-rc.2 (Ref)
4.0x5.0



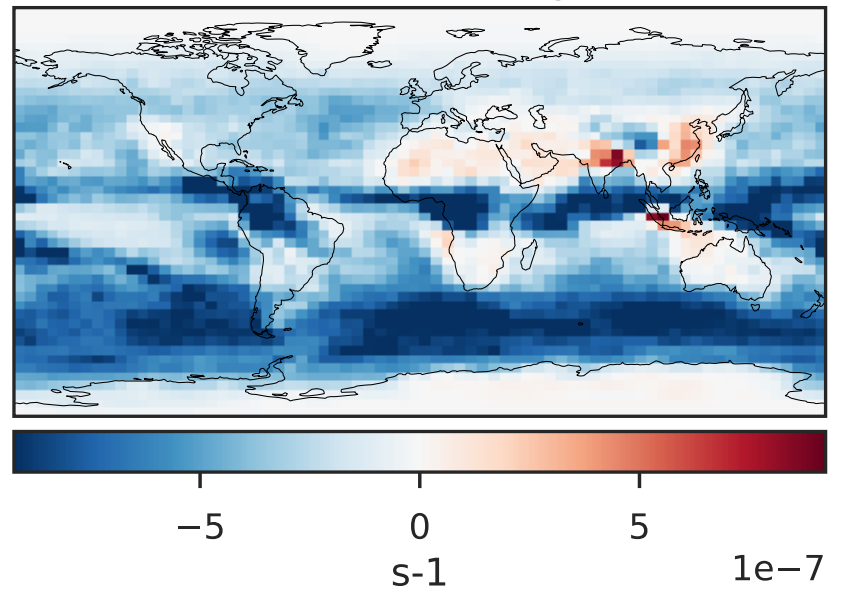
14.3.0-rc.0 (Dev)
4.0x5.0



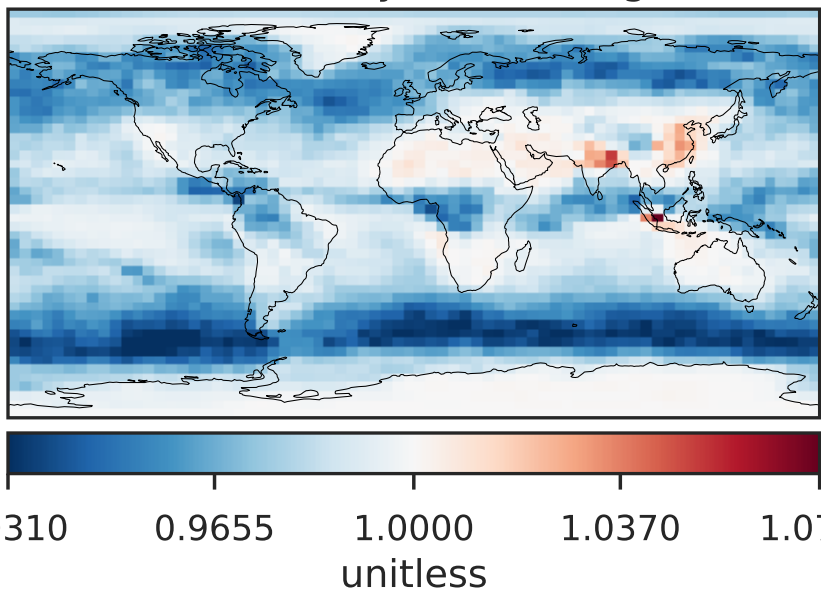
Difference
Dev - Ref, Dynamic Range



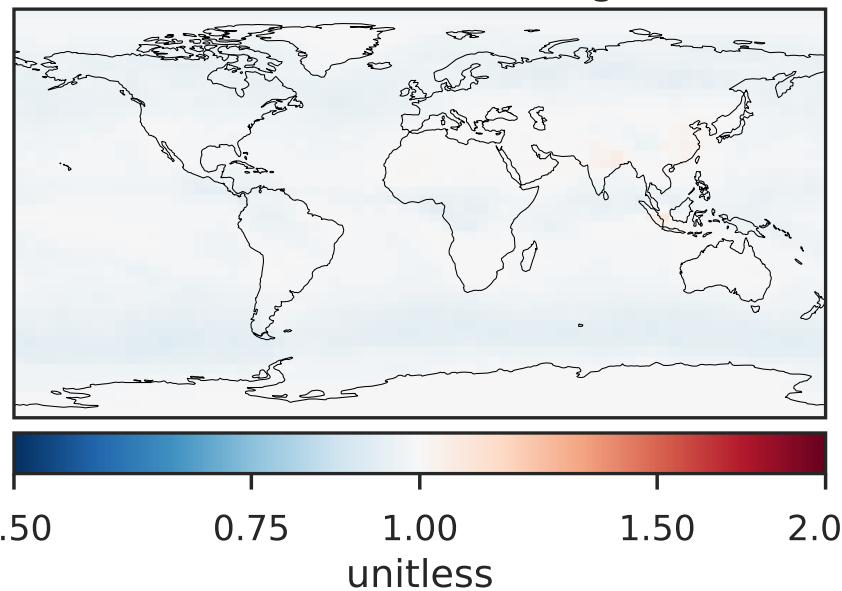
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

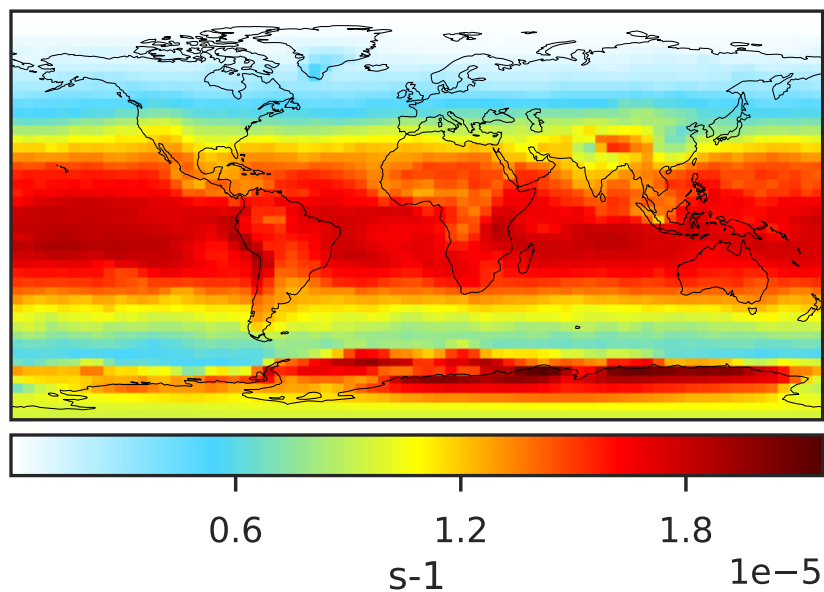


Ratio
Dev/Ref, Fixed Range

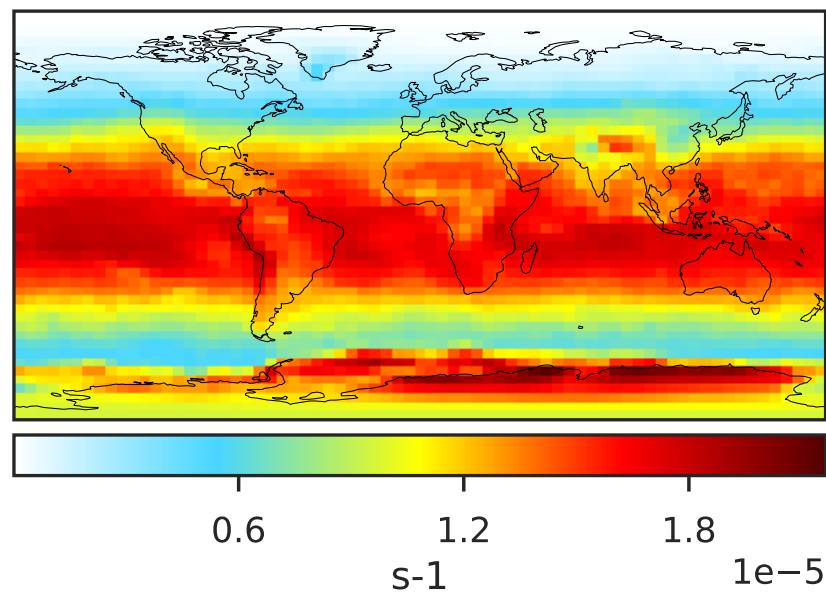


Jval_MCRHP (Oct2019)

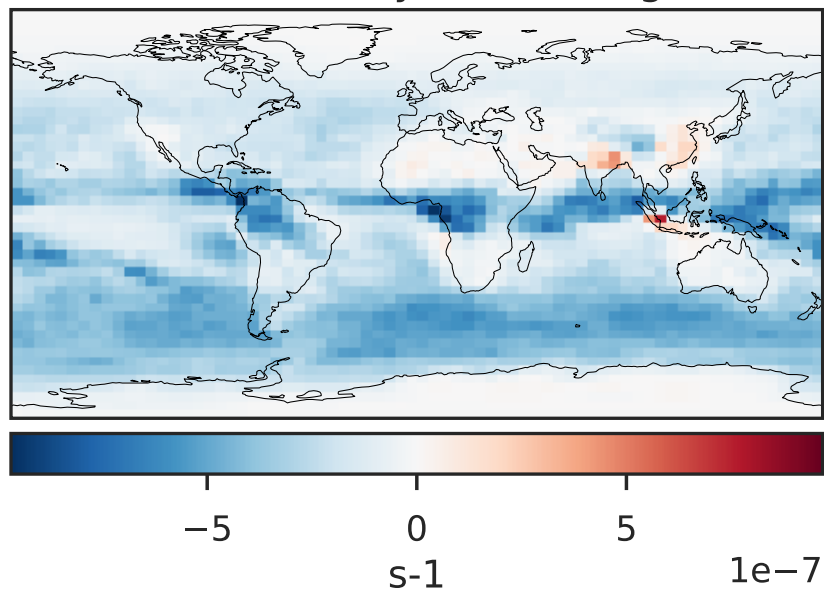
14.2.0-rc.2 (Ref)
4.0x5.0



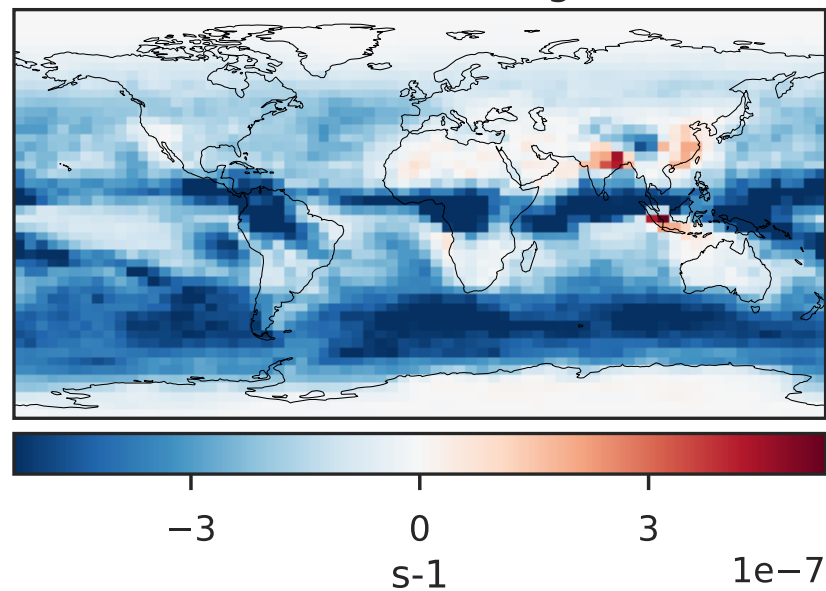
14.3.0-rc.0 (Dev)
4.0x5.0



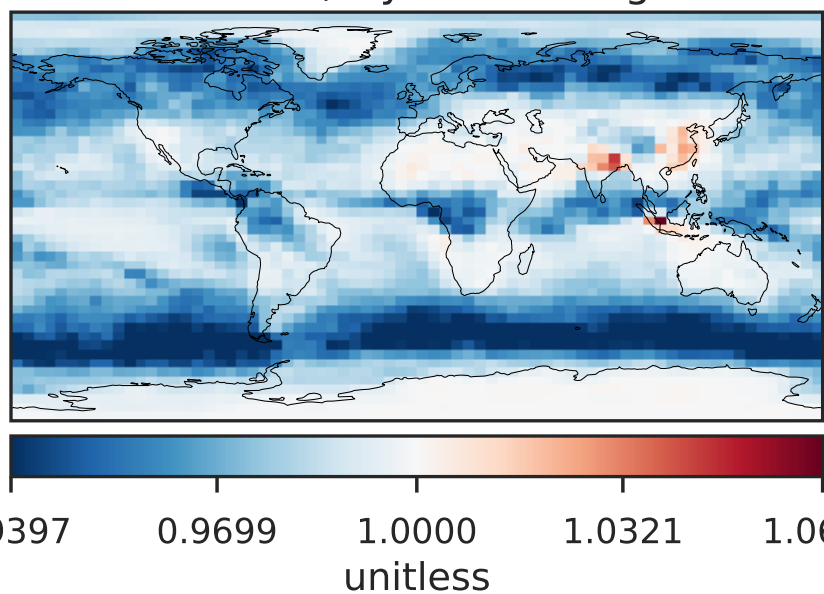
Difference
Dev - Ref, Dynamic Range



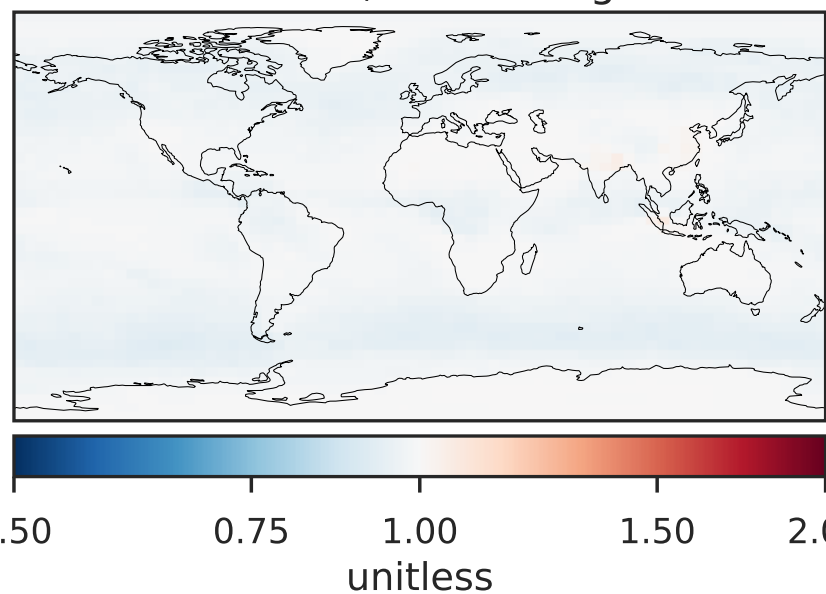
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

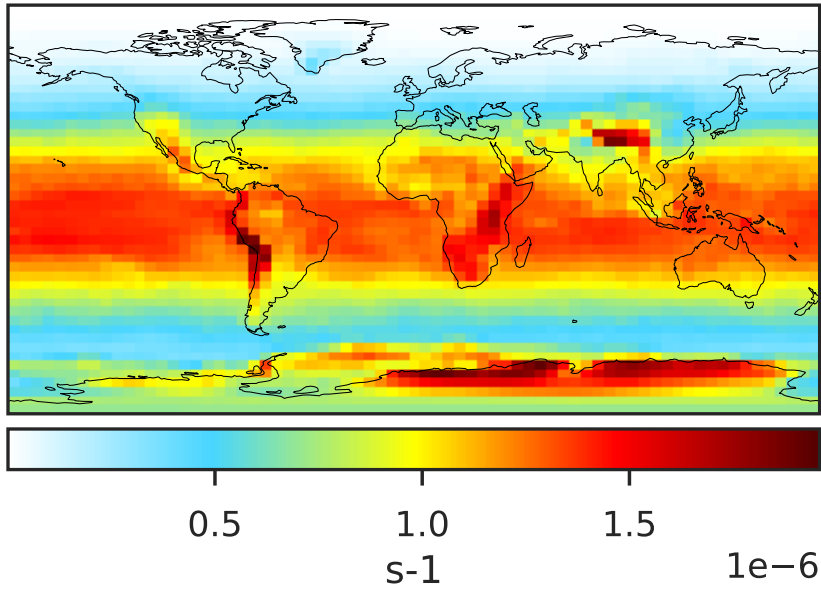


Ratio
Dev/Ref, Fixed Range

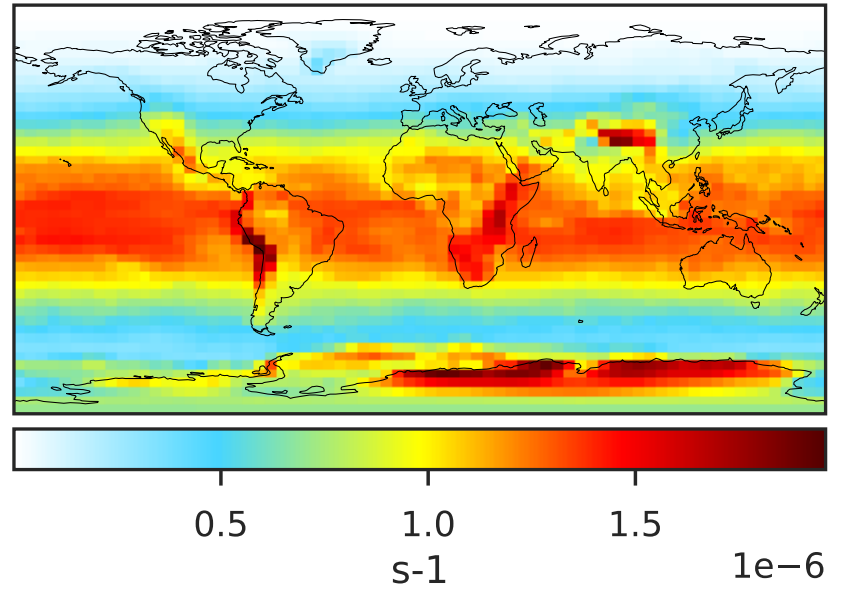


Jval_MEK (Oct2019)

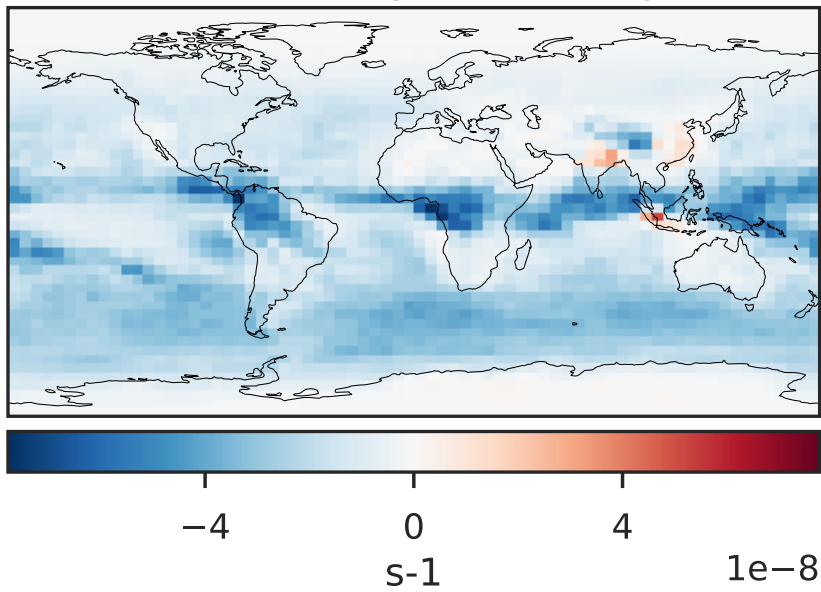
14.2.0-rc.2 (Ref)
4.0x5.0



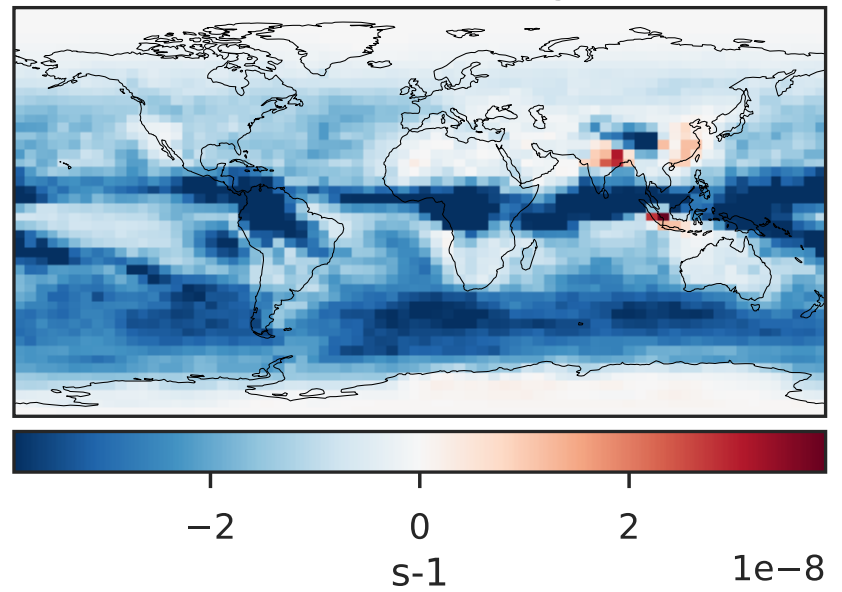
14.3.0-rc.0 (Dev)
4.0x5.0



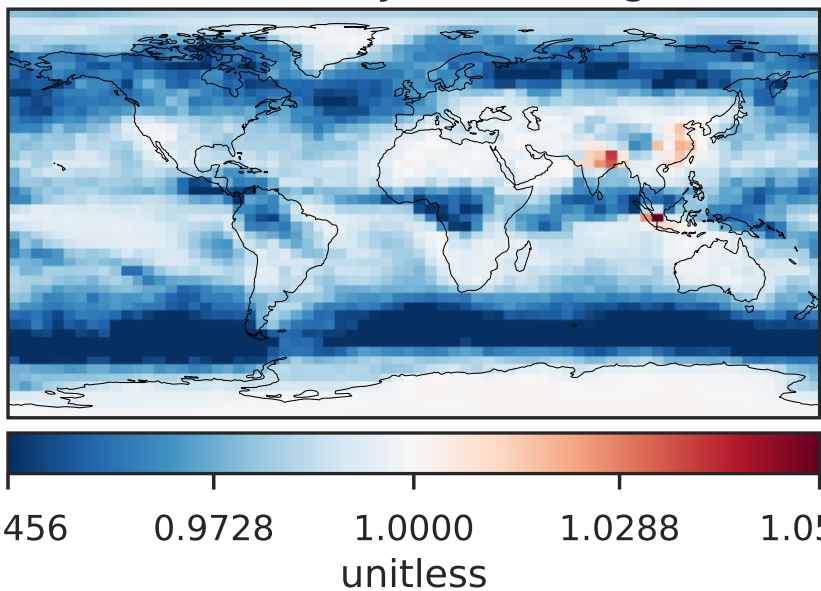
Difference
Dev - Ref, Dynamic Range



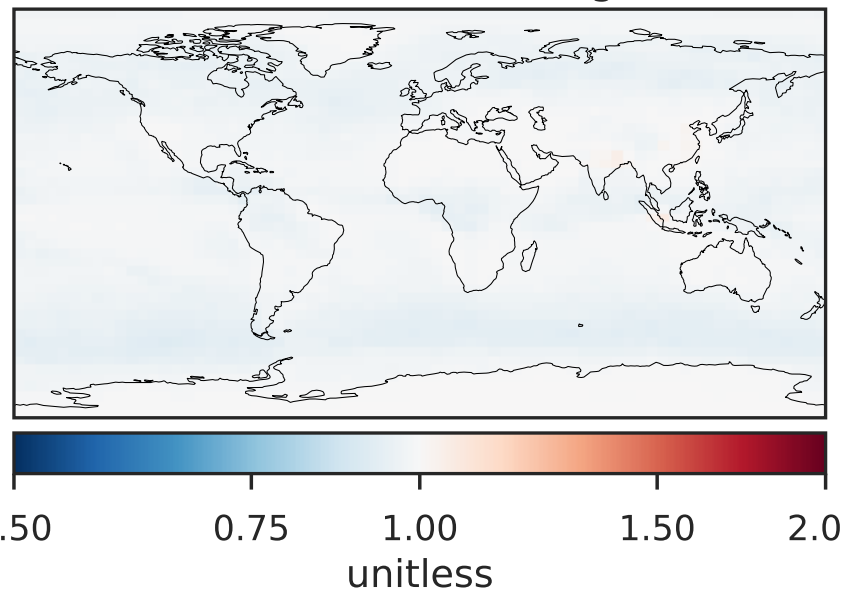
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

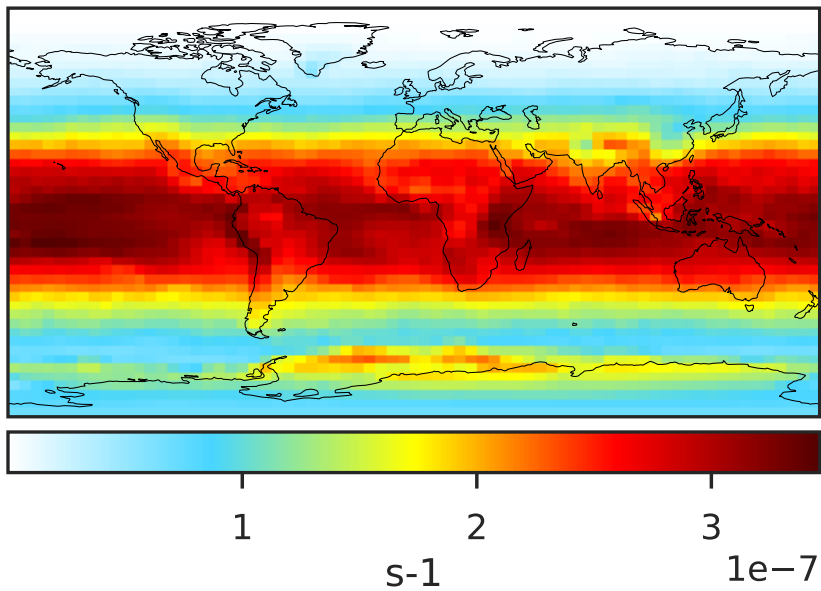


Ratio
Dev/Ref, Fixed Range

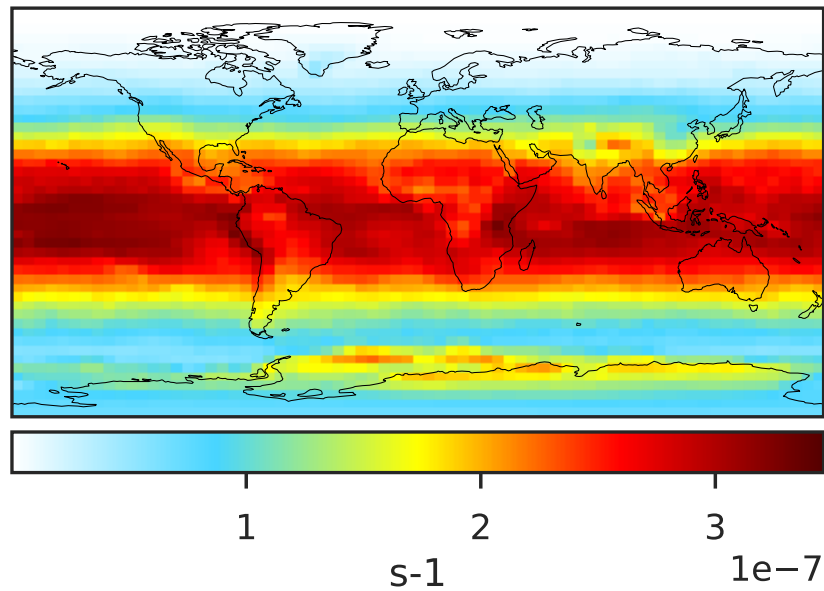


Jval_MENO3 (Oct2019)

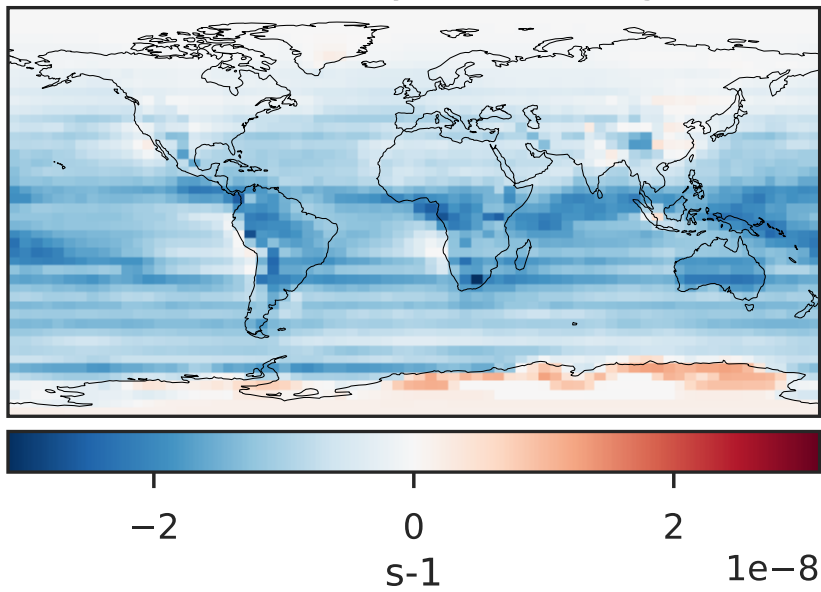
14.2.0-rc.2 (Ref)
4.0x5.0



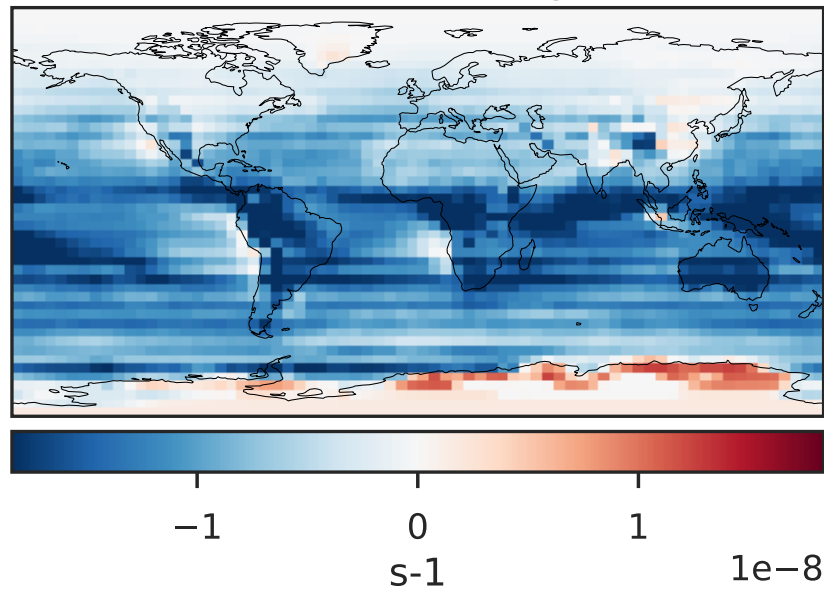
14.3.0-rc.0 (Dev)
4.0x5.0



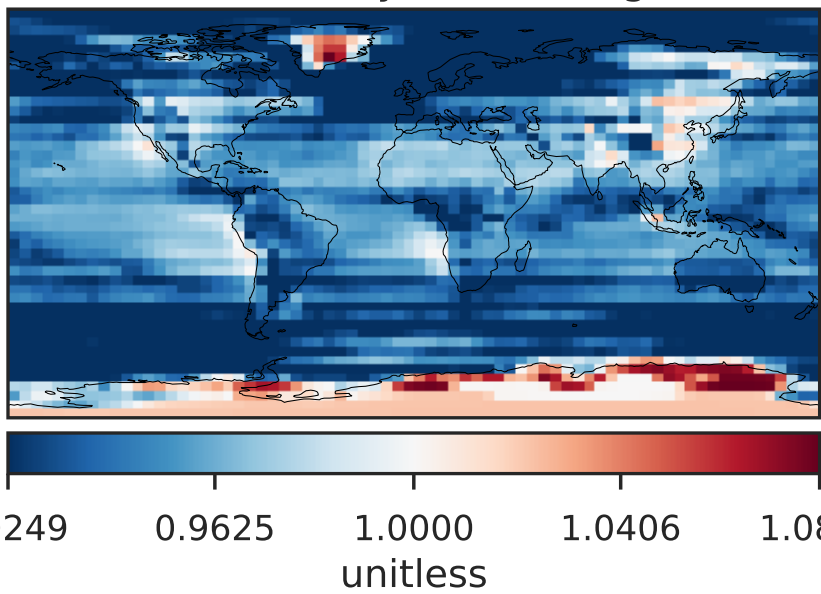
Difference
Dev - Ref, Dynamic Range



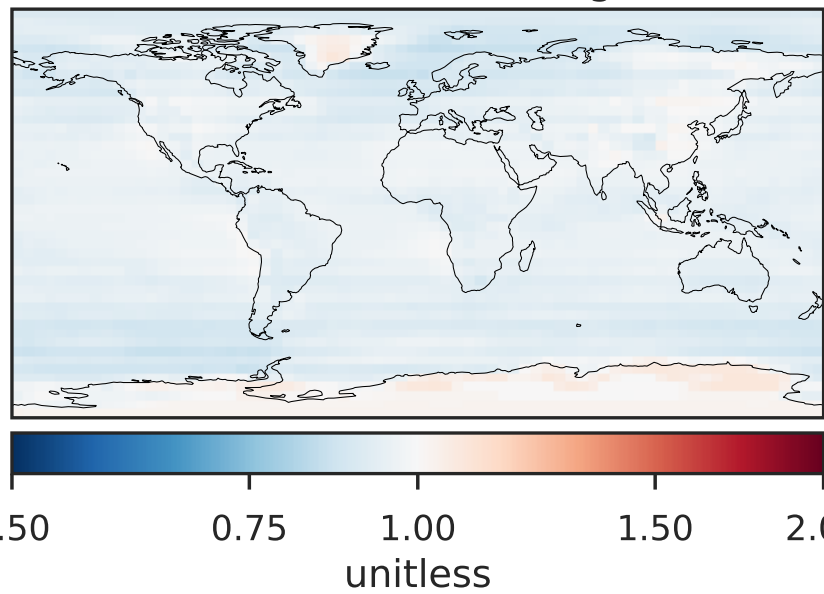
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

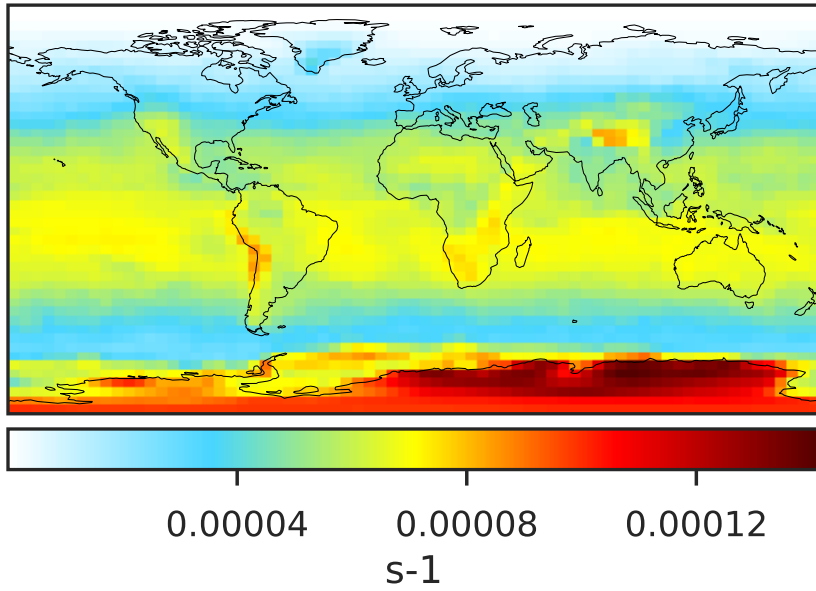


Ratio
Dev/Ref, Fixed Range

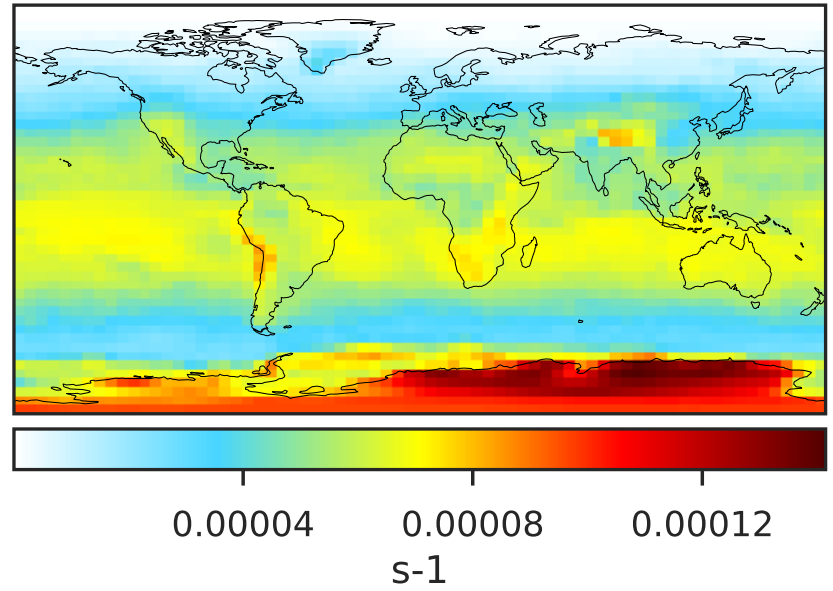


Jval_MGLY (Oct2019)

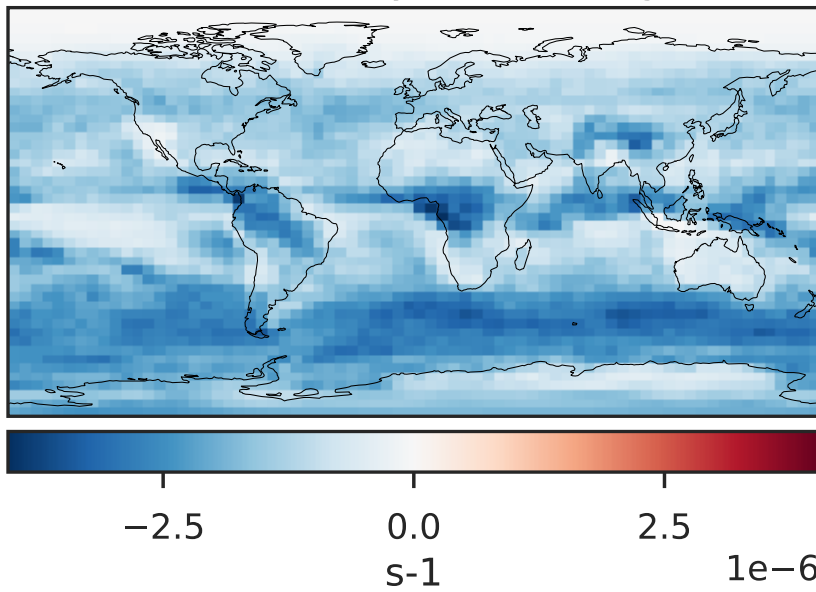
14.2.0-rc.2 (Ref)
4.0x5.0



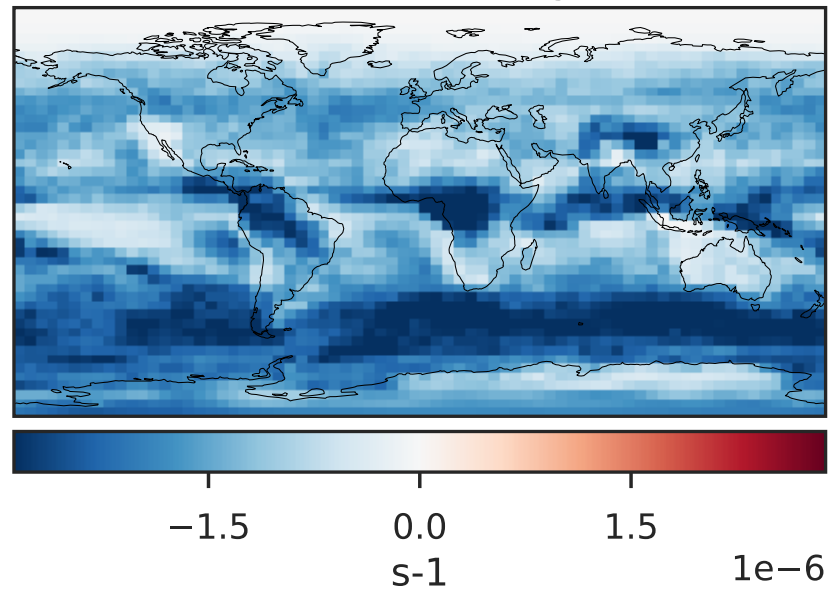
14.3.0-rc.0 (Dev)
4.0x5.0



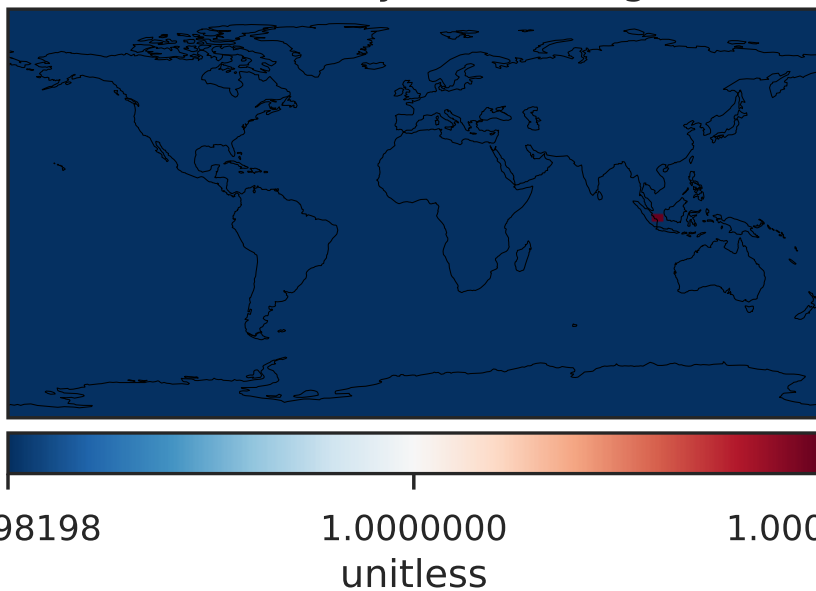
Difference
Dev - Ref, Dynamic Range



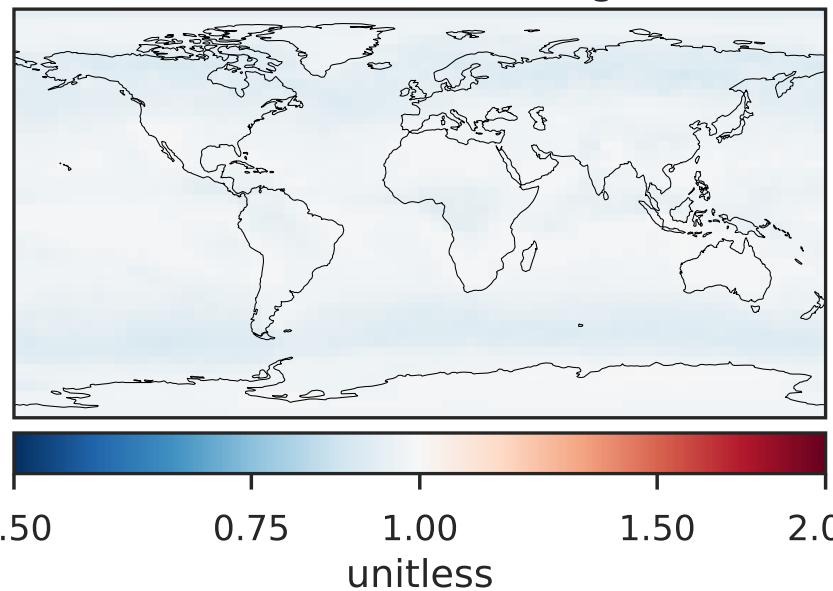
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

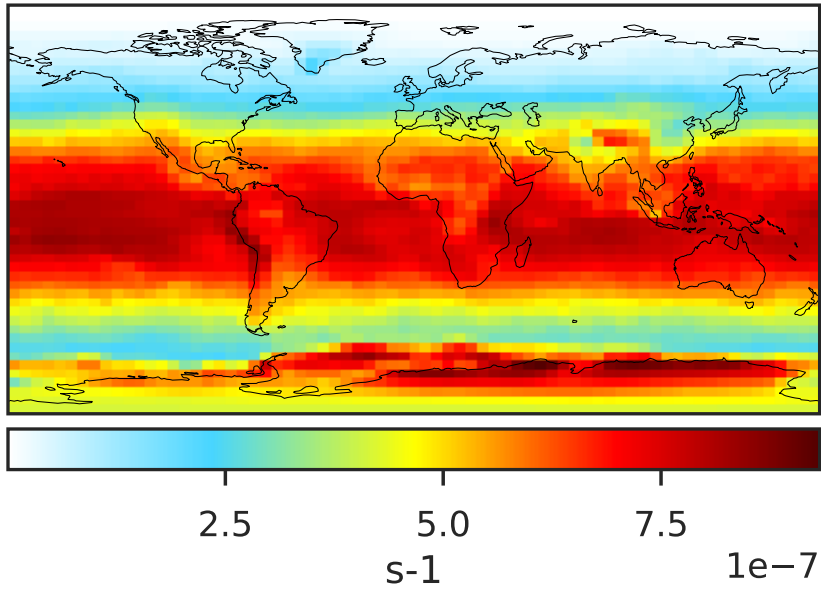


Ratio
Dev/Ref, Fixed Range

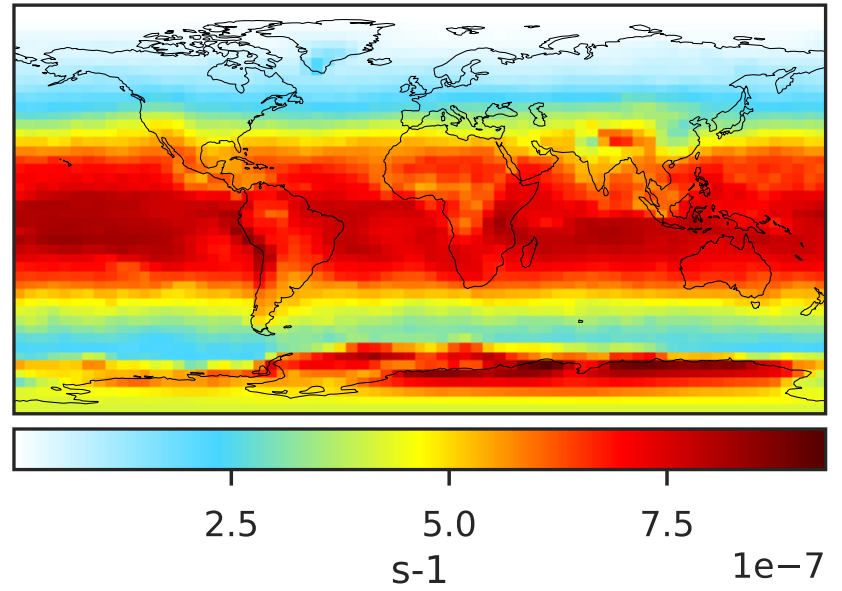


Jval_MONITS (Oct2019)

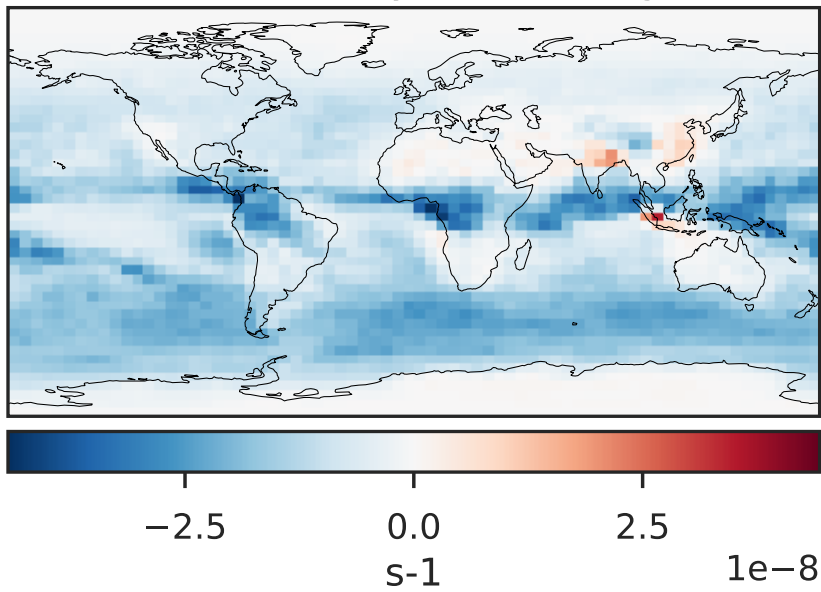
14.2.0-rc.2 (Ref)
4.0x5.0



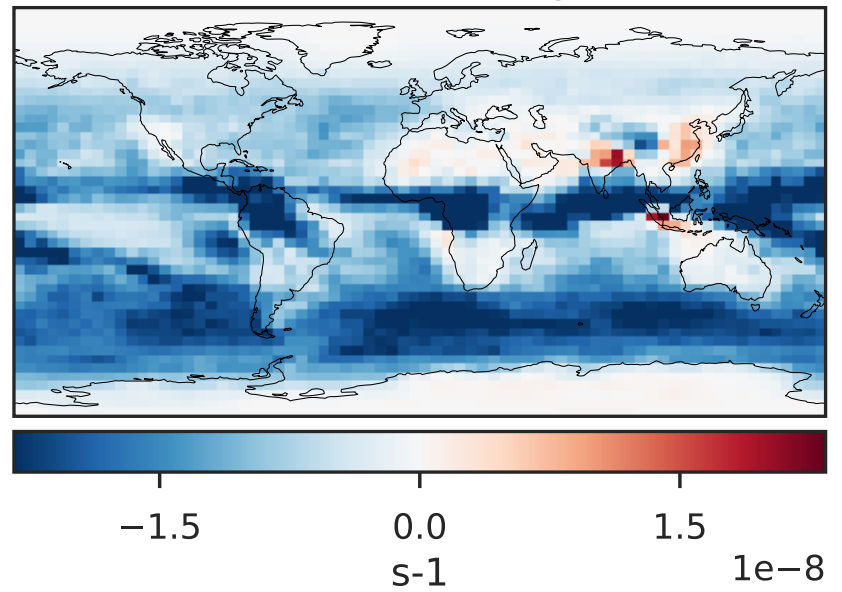
14.3.0-rc.0 (Dev)
4.0x5.0



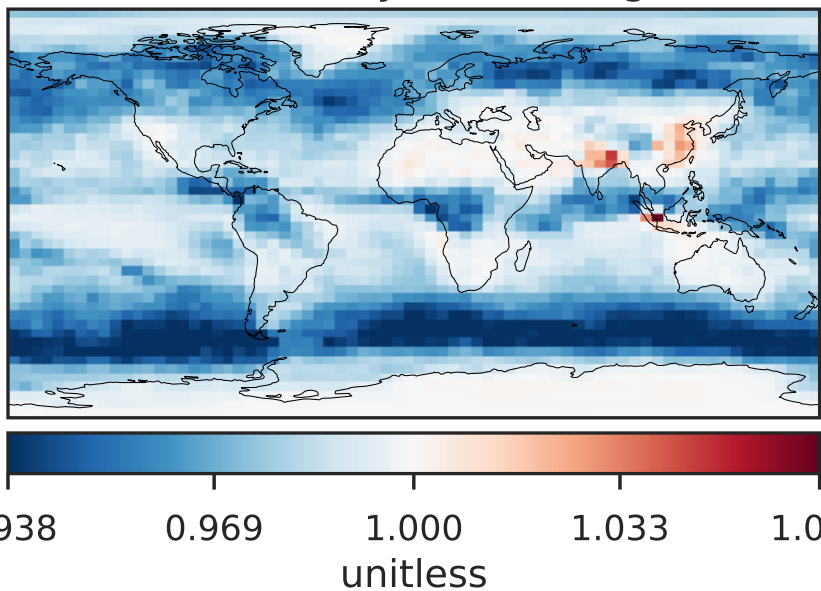
Difference
Dev - Ref, Dynamic Range



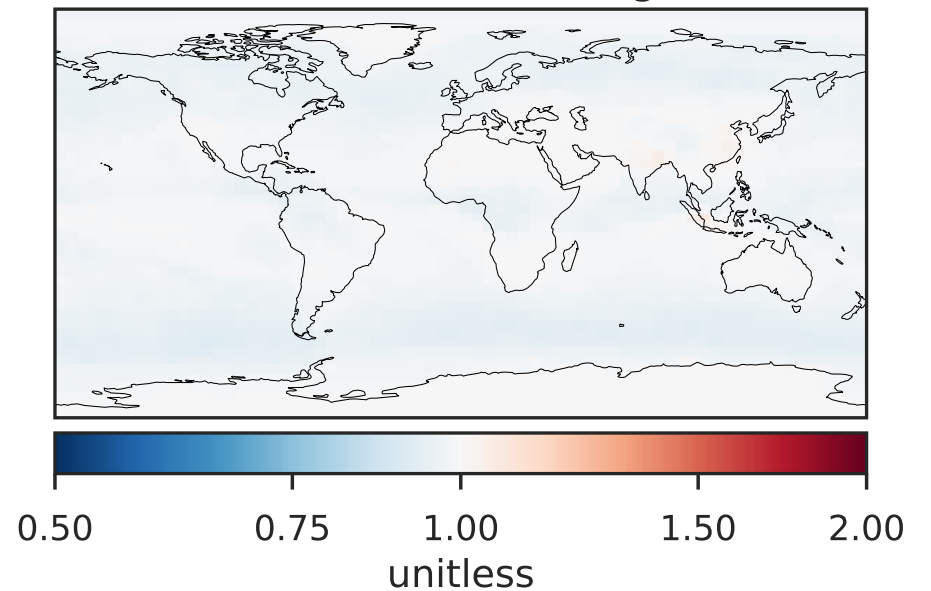
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

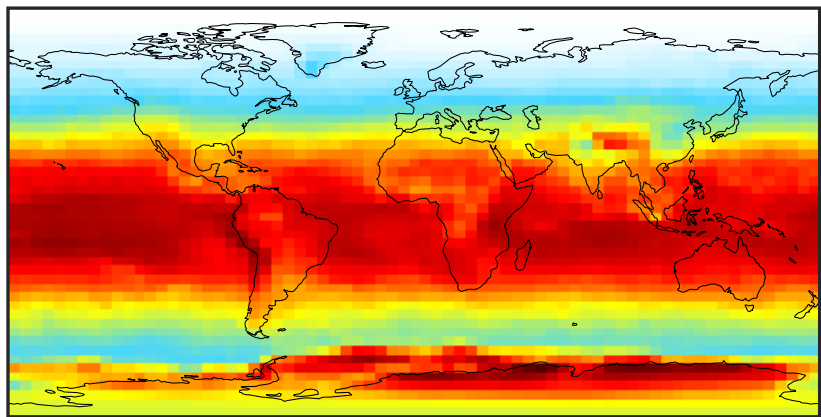


Ratio
Dev/Ref, Fixed Range



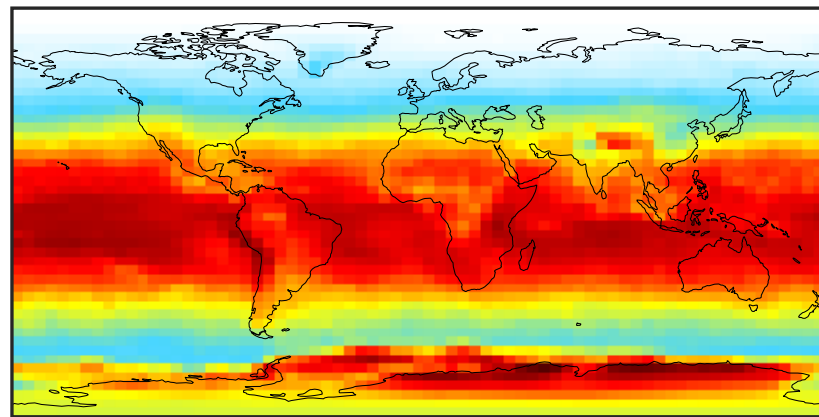
Jval_MONITU (Oct2019)

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



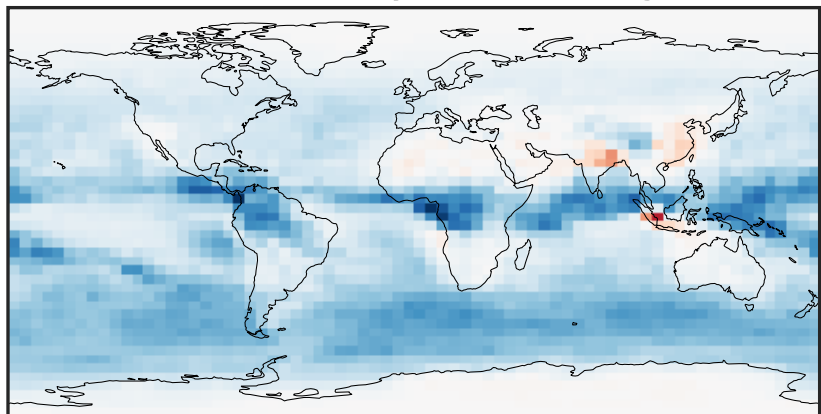
2.5 5.0 7.5
s-1 $1e-7$

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



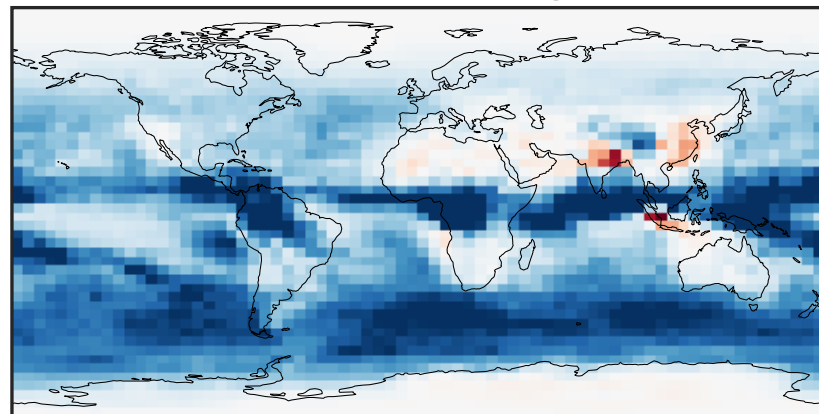
2.5 5.0 7.5
s-1 $1e-7$

Difference
Dev - Ref, Dynamic Range



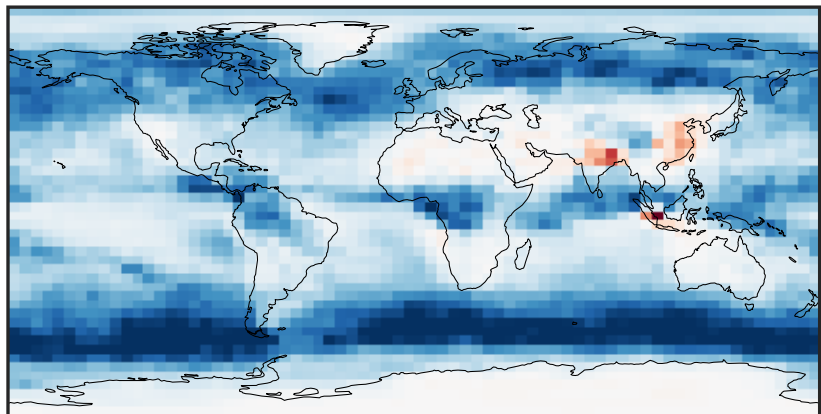
-2.5 0.0 2.5
s-1 $1e-8$

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



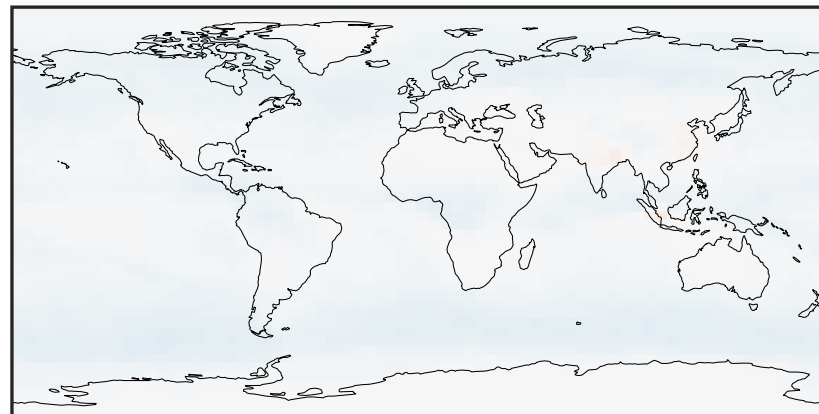
-1.5 0.0 1.5
s-1 $1e-8$

Ratio
Dev/Ref, Dynamic Range



0.938 0.969 1.000 1.033 1.066
unitless

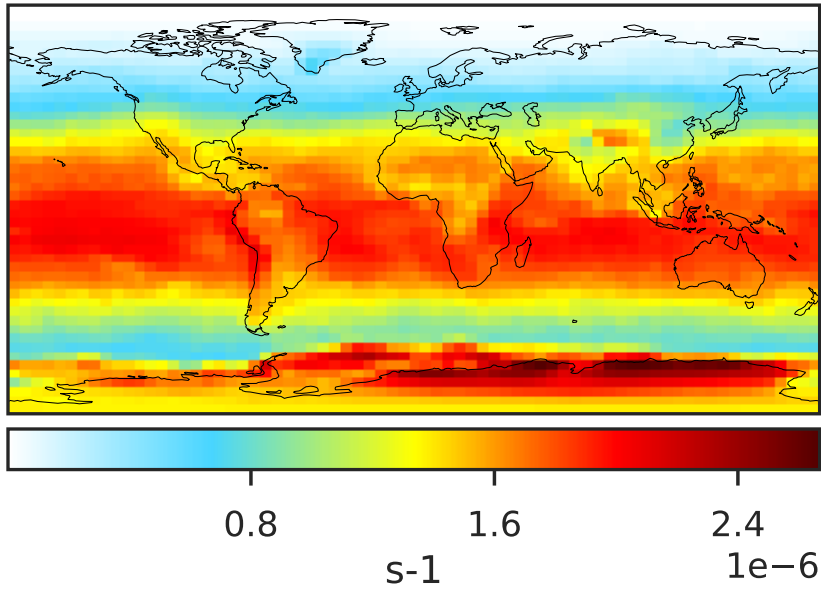
Ratio
Dev/Ref, Fixed Range



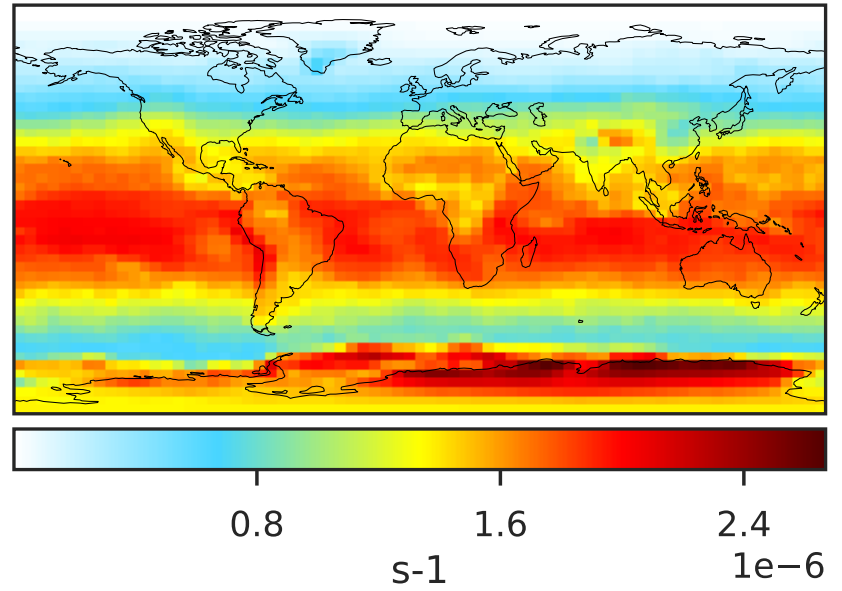
0.50 0.75 1.00 1.50 2.00
unitless

Jval_MP (Oct2019)

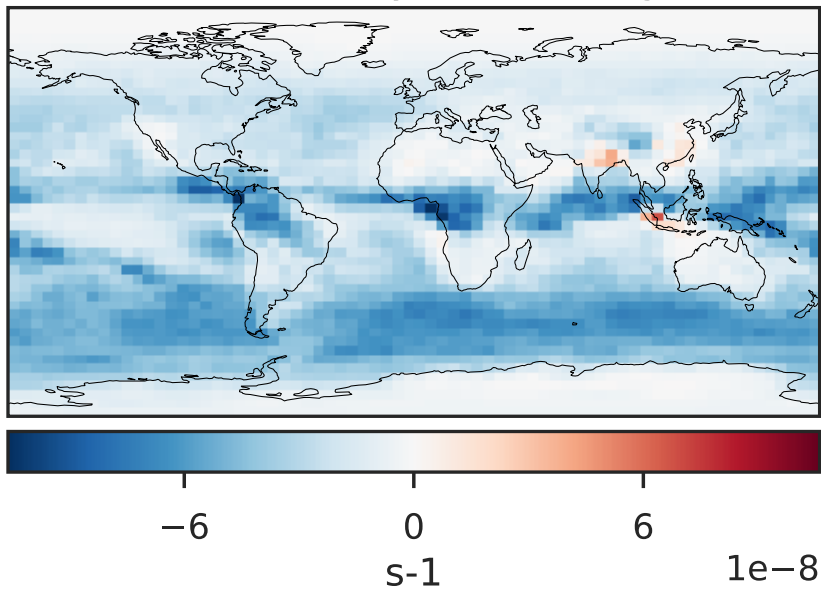
14.2.0-rc.2 (Ref)
4.0x5.0



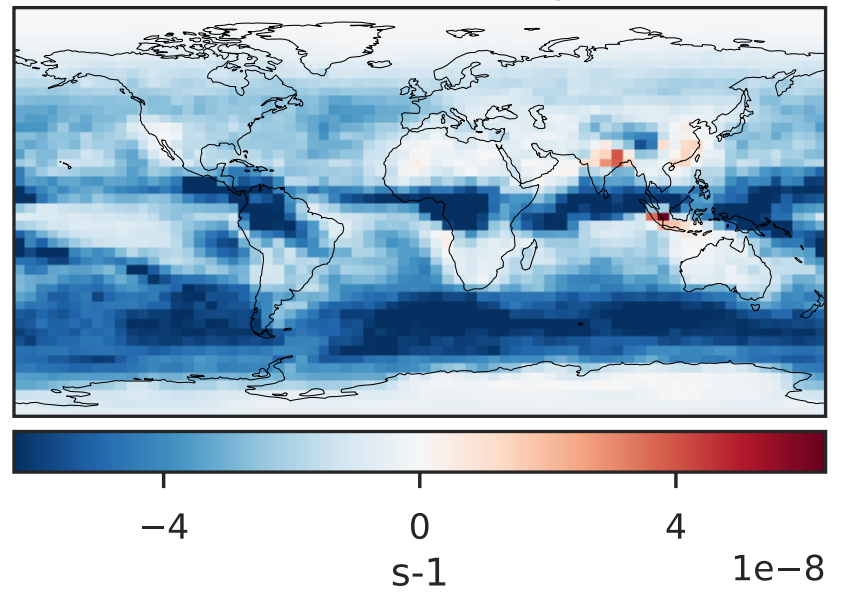
14.3.0-rc.0 (Dev)
4.0x5.0



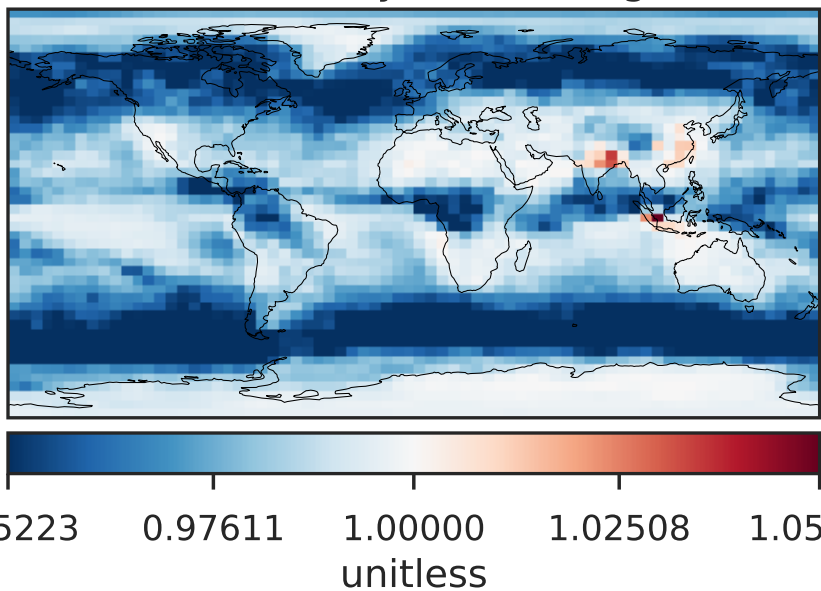
Difference
Dev - Ref, Dynamic Range



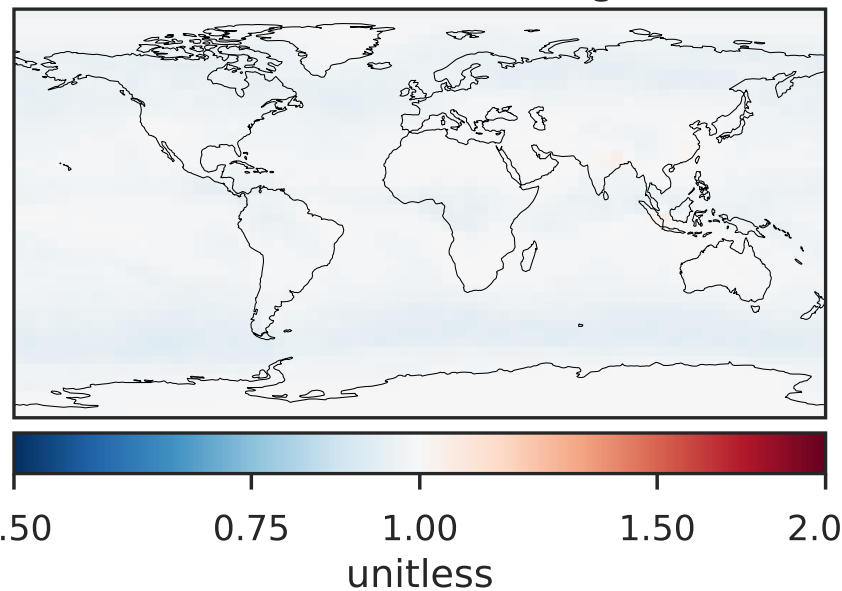
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range



Ratio
Dev/Ref, Fixed Range



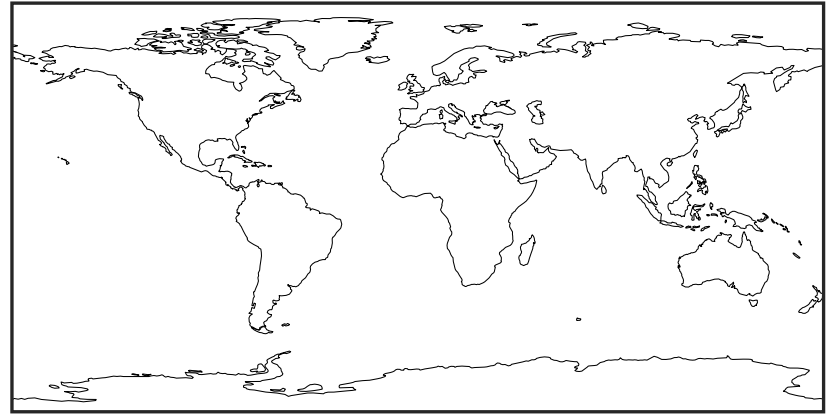
Jval_MPAN (Oct2019)

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



Zero throughput domain
s-1

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



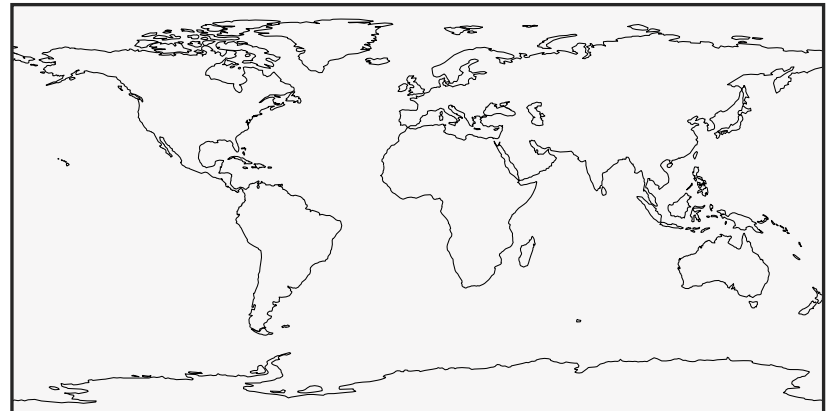
Zero throughput domain
s-1

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

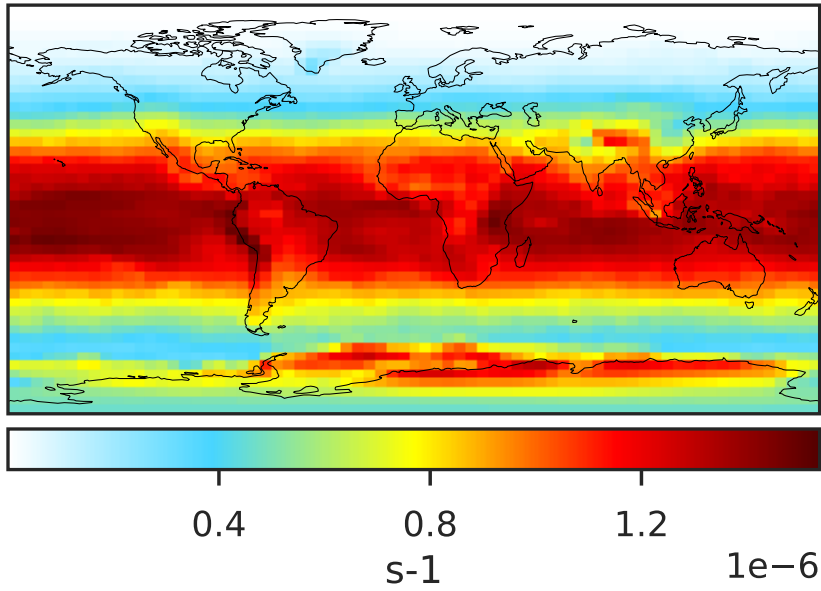
Ratio
Dev/Ref, Fixed Range



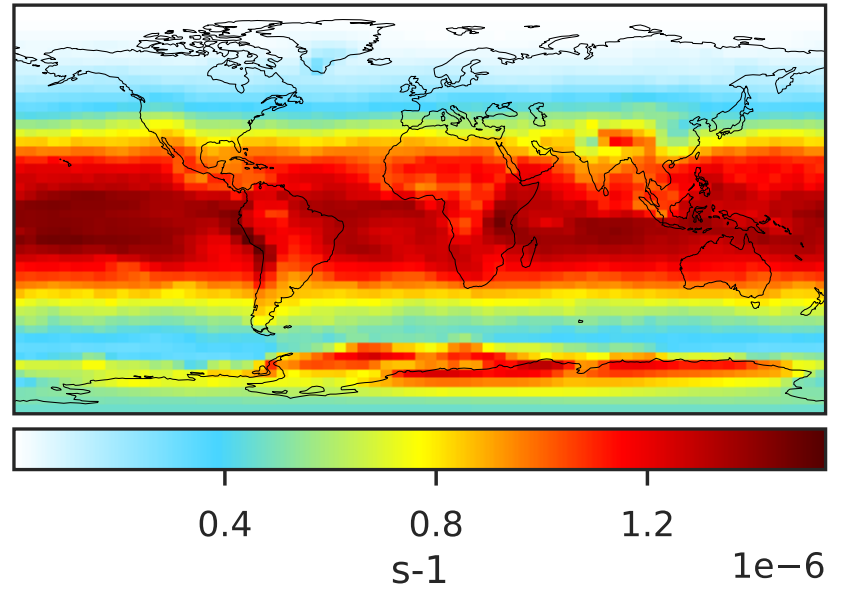
Undefined throughput domain
unitless

Jval_MPN (Oct2019)

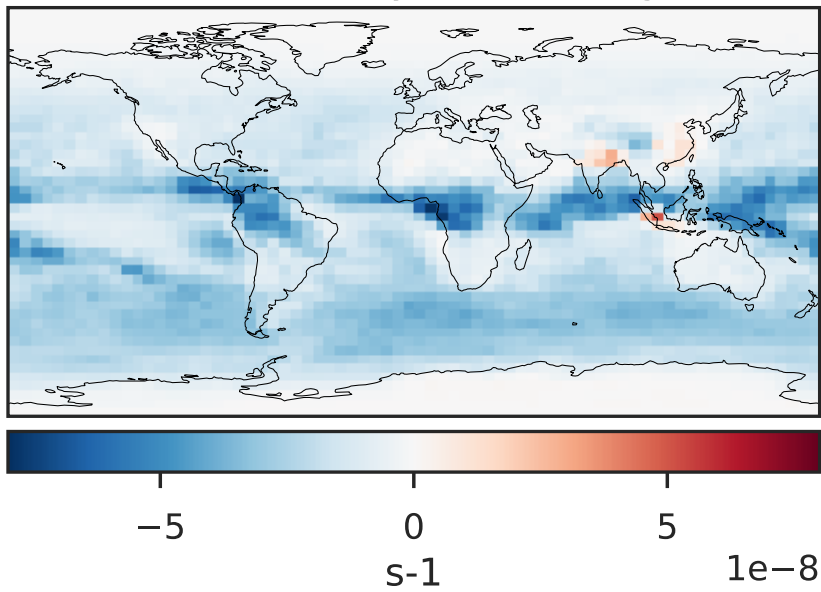
14.2.0-rc.2 (Ref)
4.0x5.0



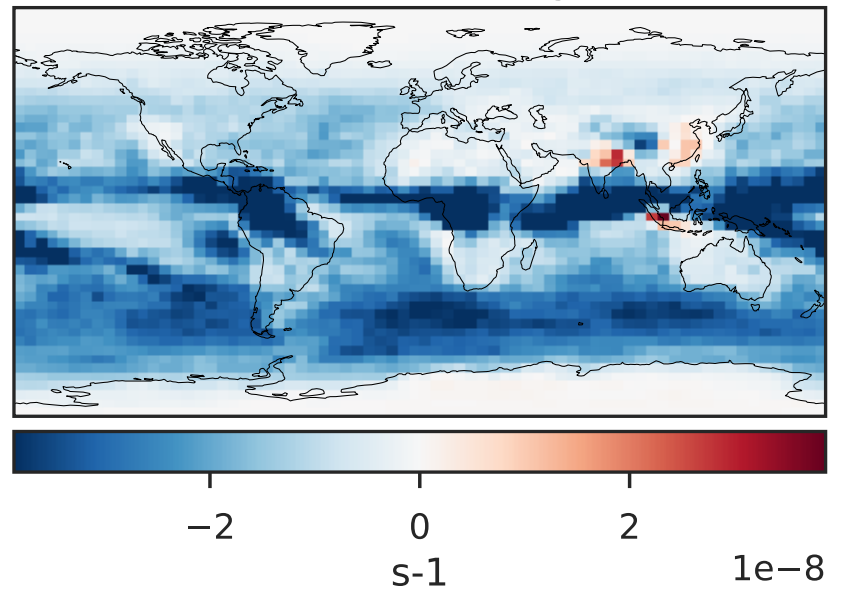
14.3.0-rc.0 (Dev)
4.0x5.0



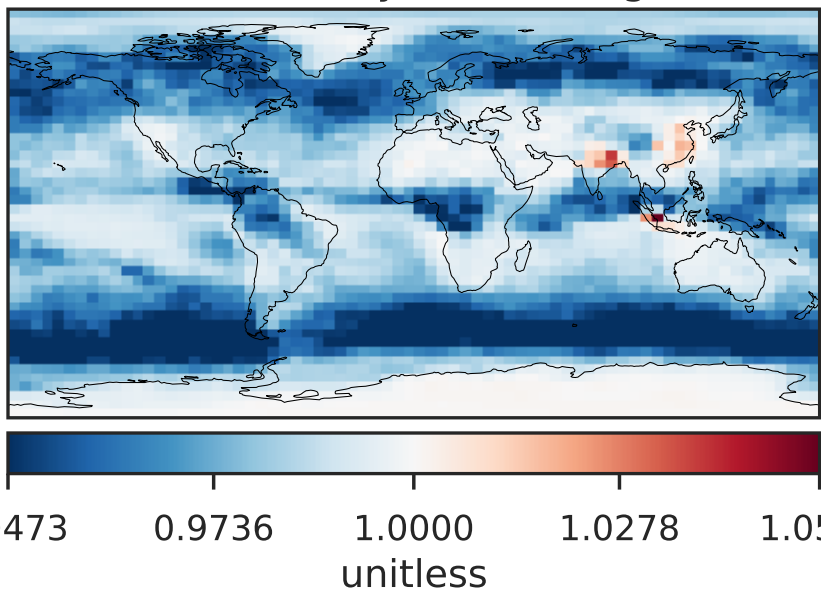
Difference
Dev - Ref, Dynamic Range



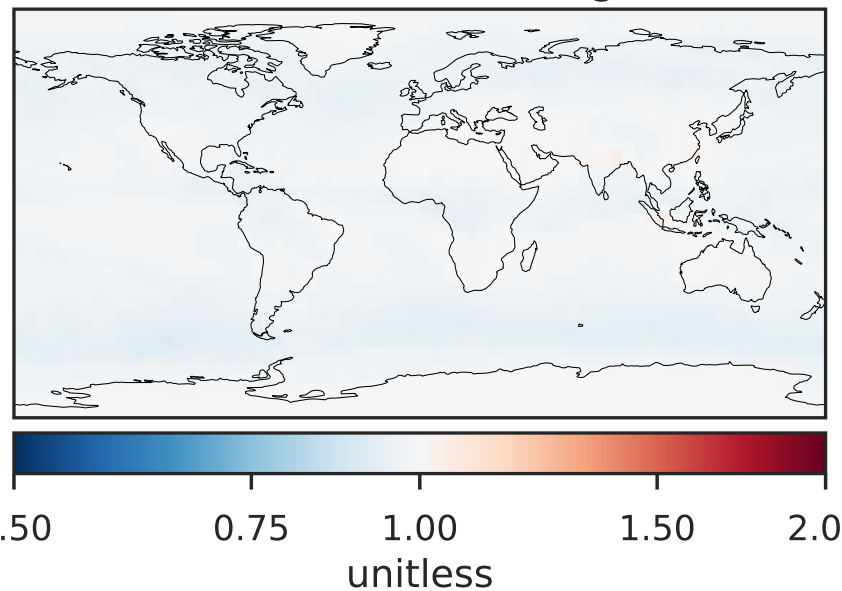
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

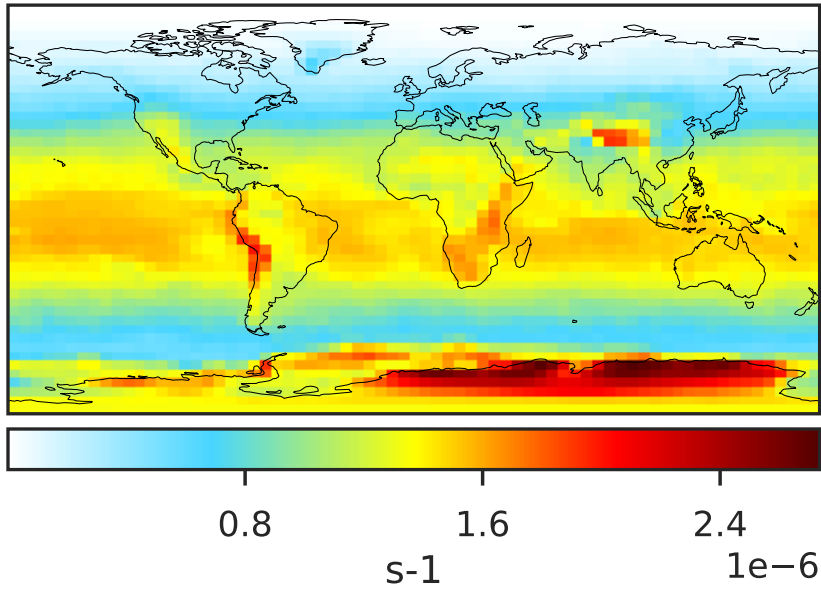


Ratio
Dev/Ref, Fixed Range

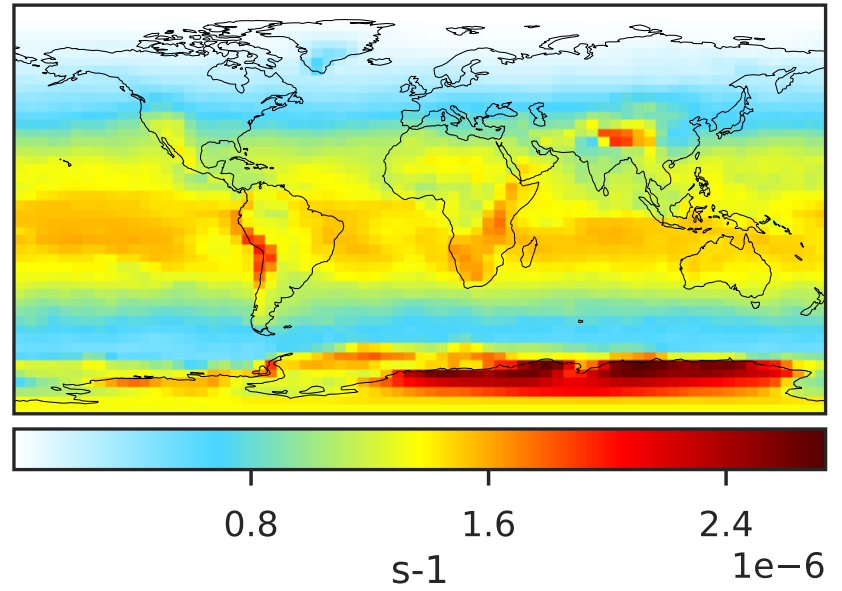


Jval_MVK (Oct2019)

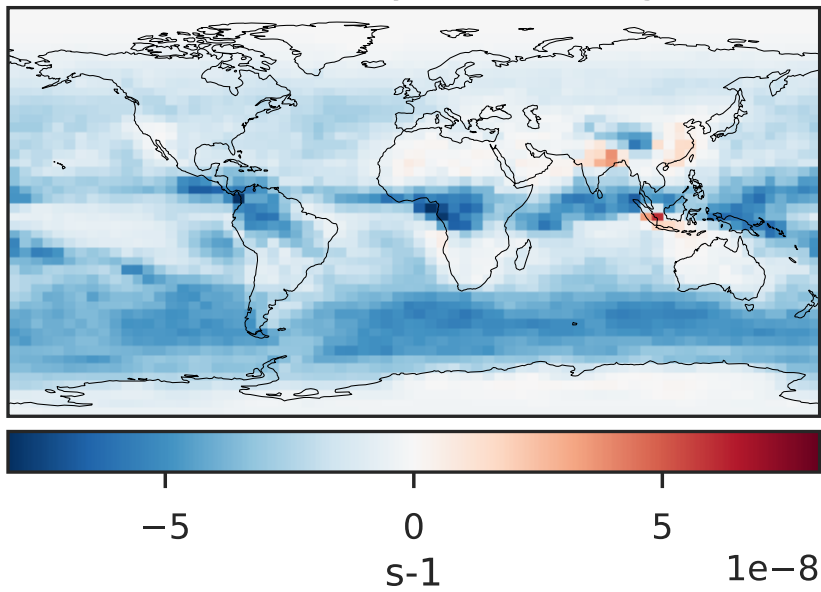
14.2.0-rc.2 (Ref)
4.0x5.0



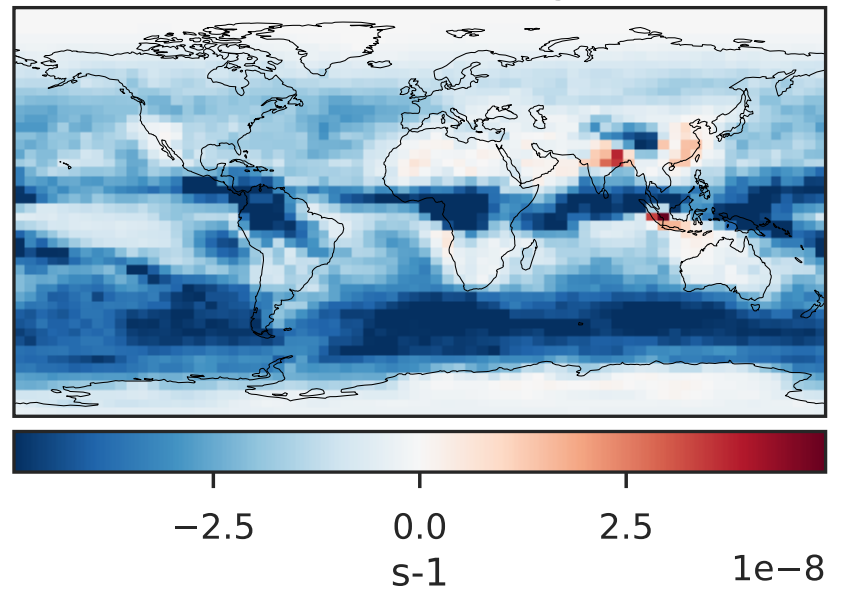
14.3.0-rc.0 (Dev)
4.0x5.0



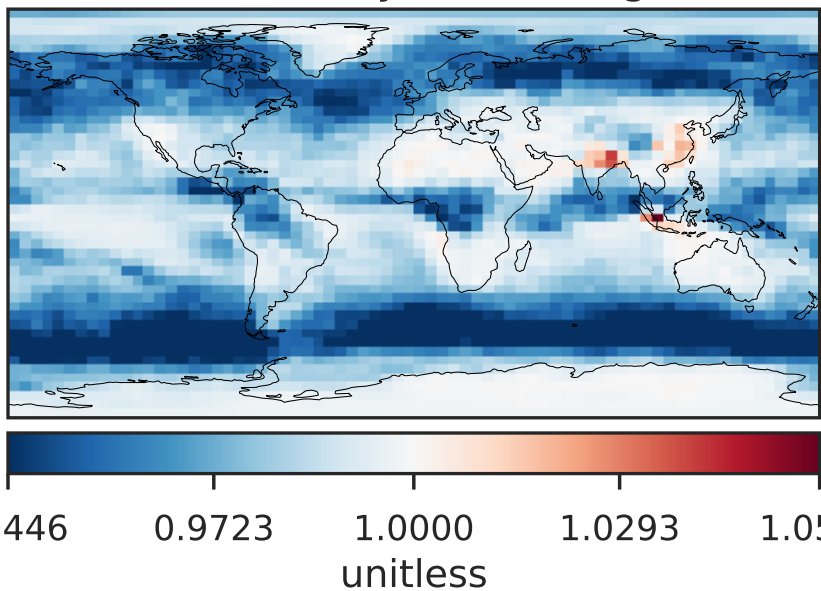
Difference
Dev - Ref, Dynamic Range



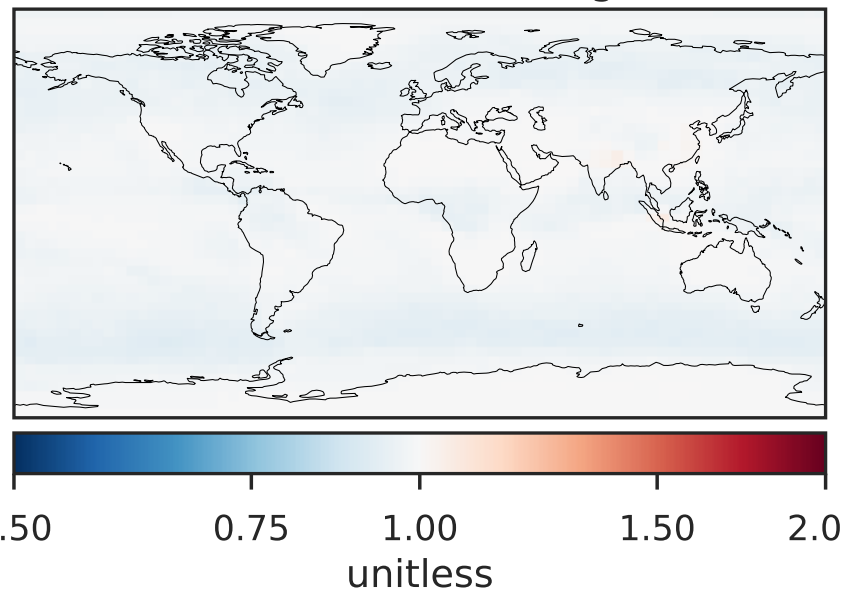
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

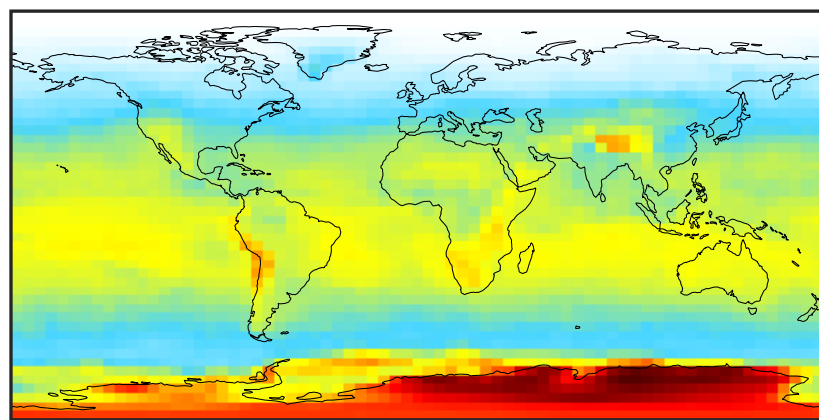


Ratio
Dev/Ref, Fixed Range



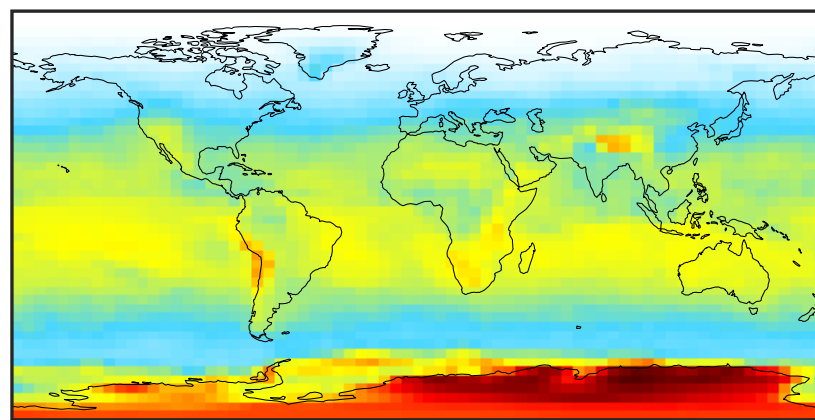
Jval_MVKHC (Oct2019)

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



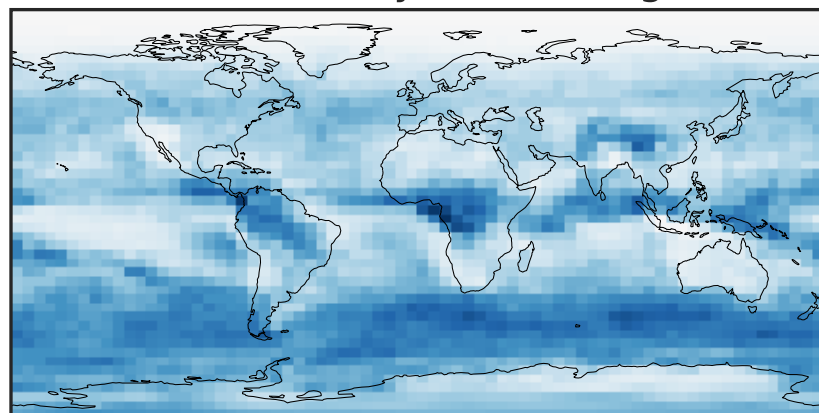
0.00004 0.00008 0.00012
s-1

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



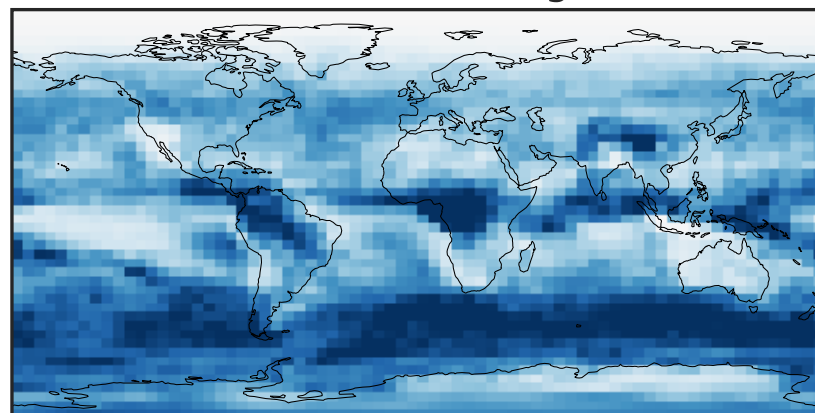
0.00004 0.00008 0.00012
s-1

Difference
Dev - Ref, Dynamic Range



-2.5 0.0 2.5
s-1 1e-6

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



-1.5 0.0 1.5
s-1 1e-6

Ratio
Dev/Ref, Dynamic Range



0.9998198 1.000000 1.0001802
unitless

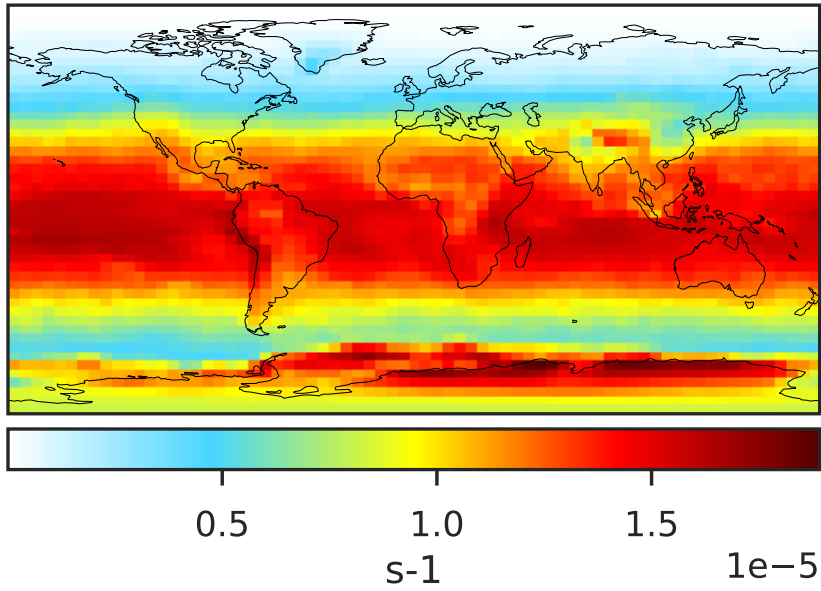
Ratio
Dev/Ref, Fixed Range



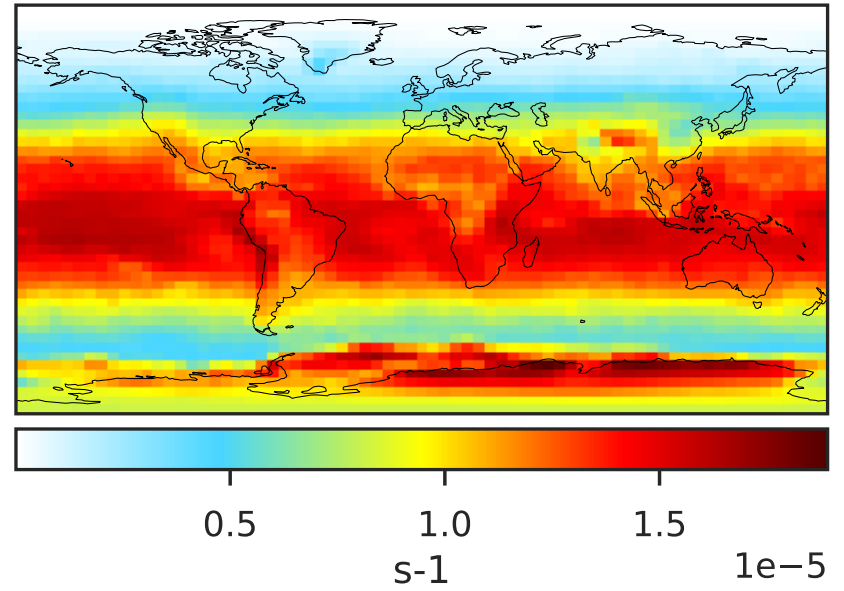
0.50 0.75 1.00 1.50 2.00
unitless

Jval_MVKHCB (Oct2019)

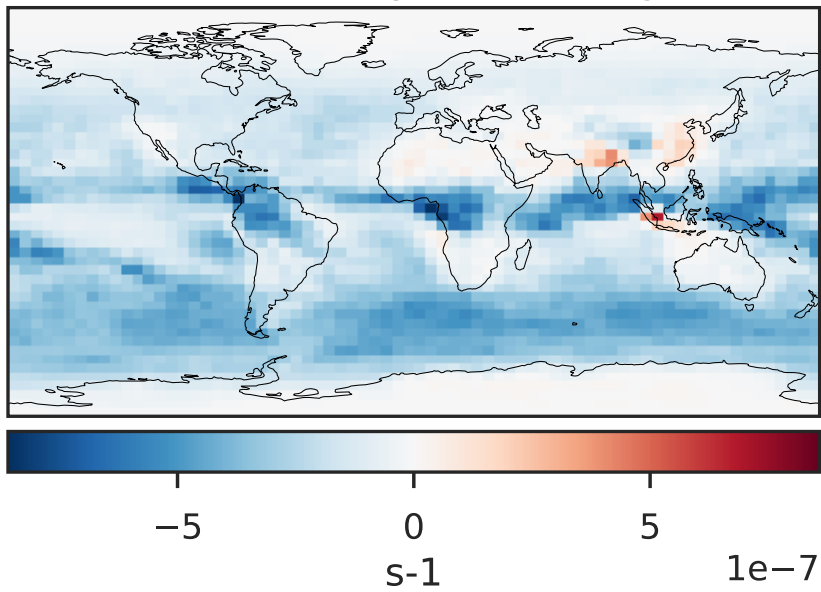
14.2.0-rc.2 (Ref)
4.0x5.0



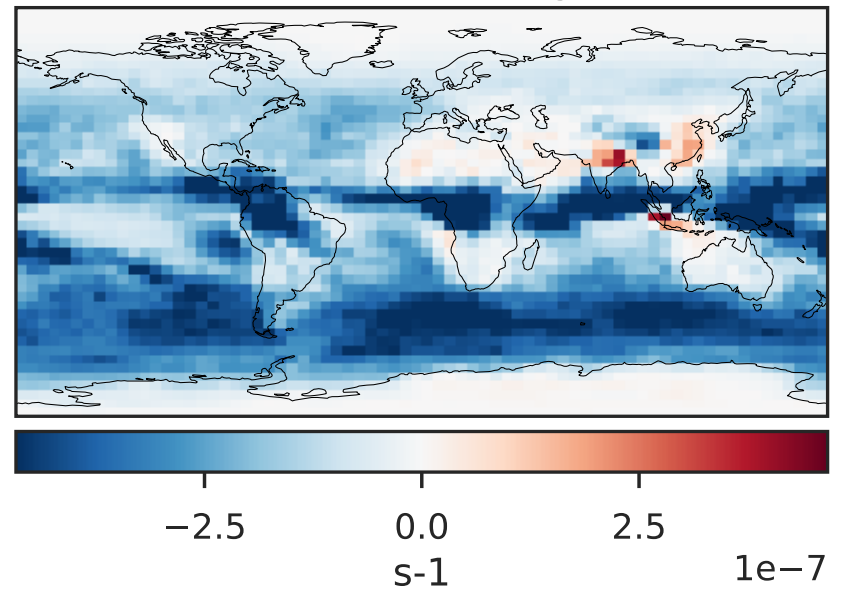
14.3.0-rc.0 (Dev)
4.0x5.0



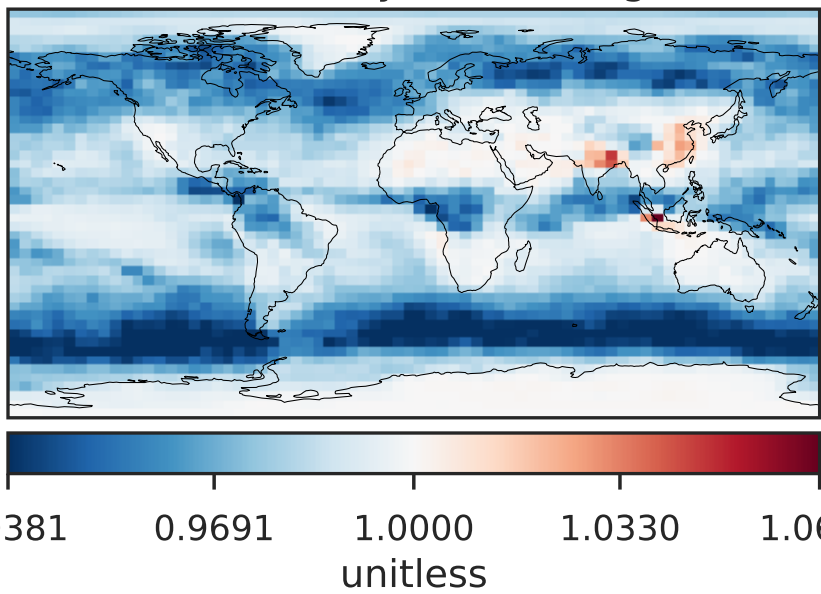
Difference
Dev - Ref, Dynamic Range



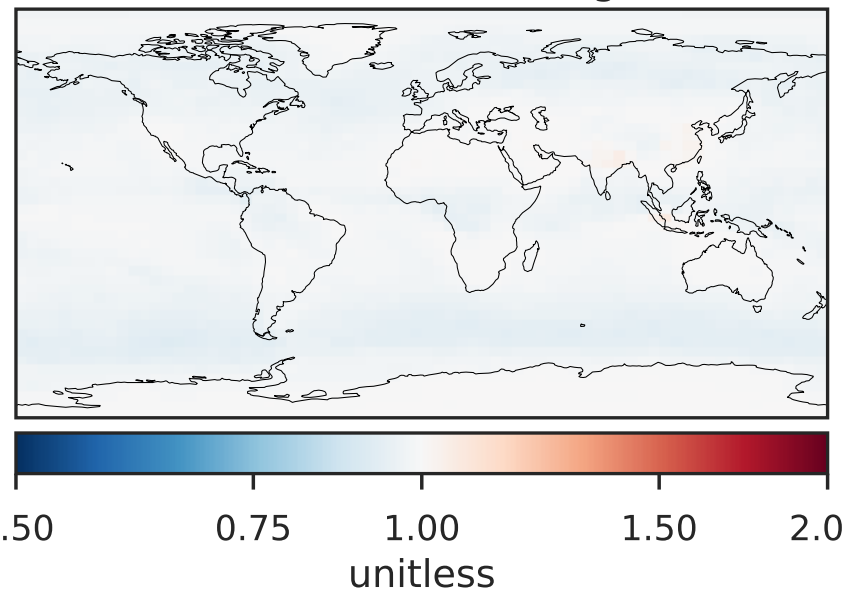
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

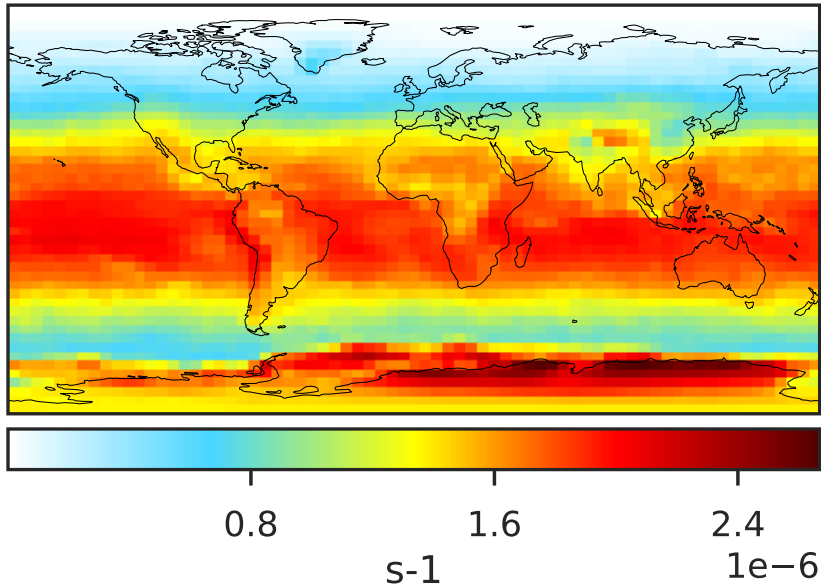


Ratio
Dev/Ref, Fixed Range

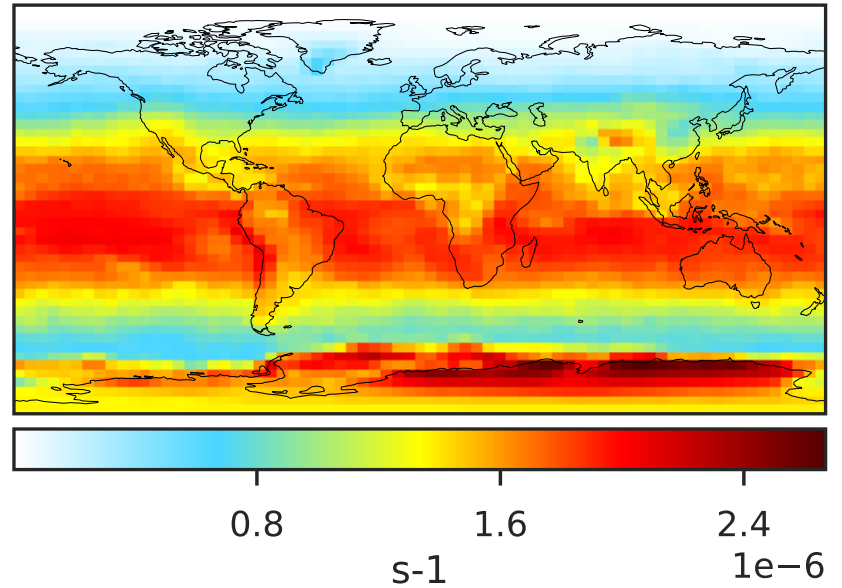


Jval_MVKHP (Oct2019)

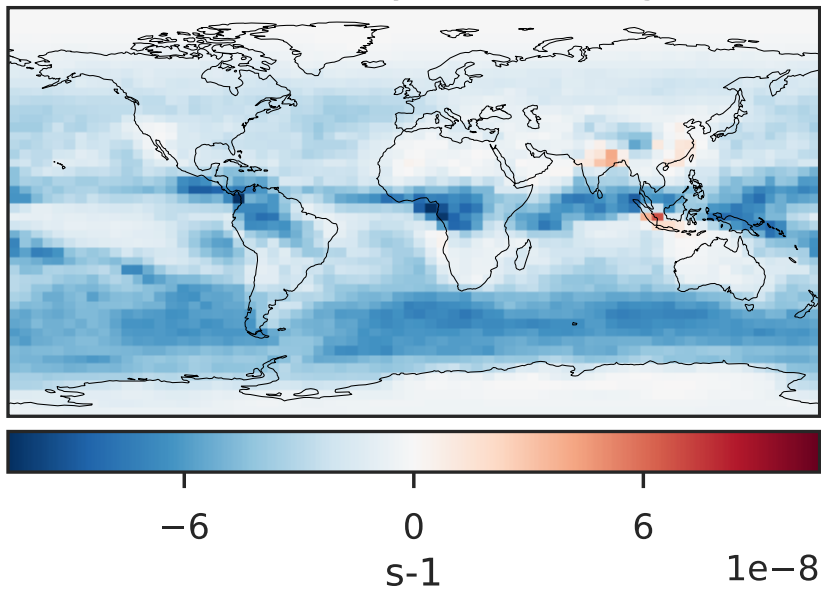
14.2.0-rc.2 (Ref)
4.0x5.0



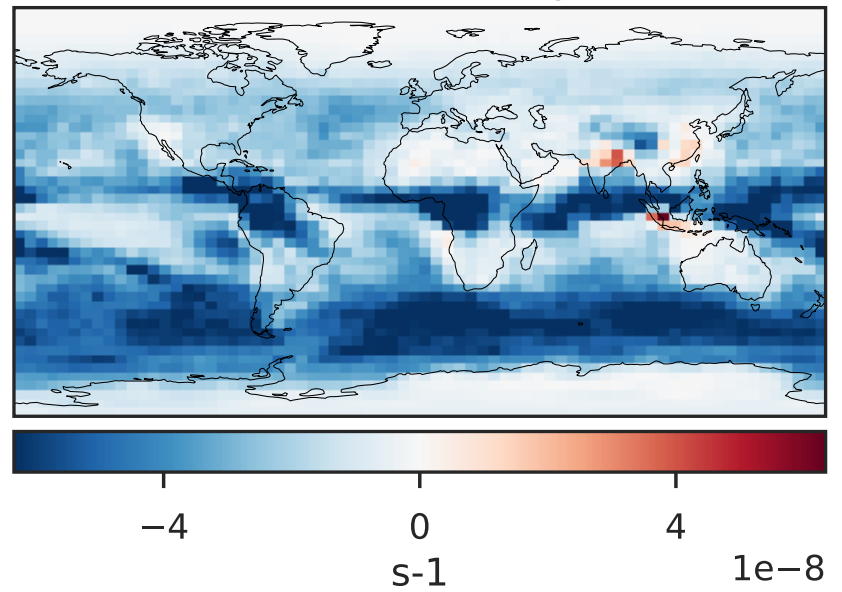
14.3.0-rc.0 (Dev)
4.0x5.0



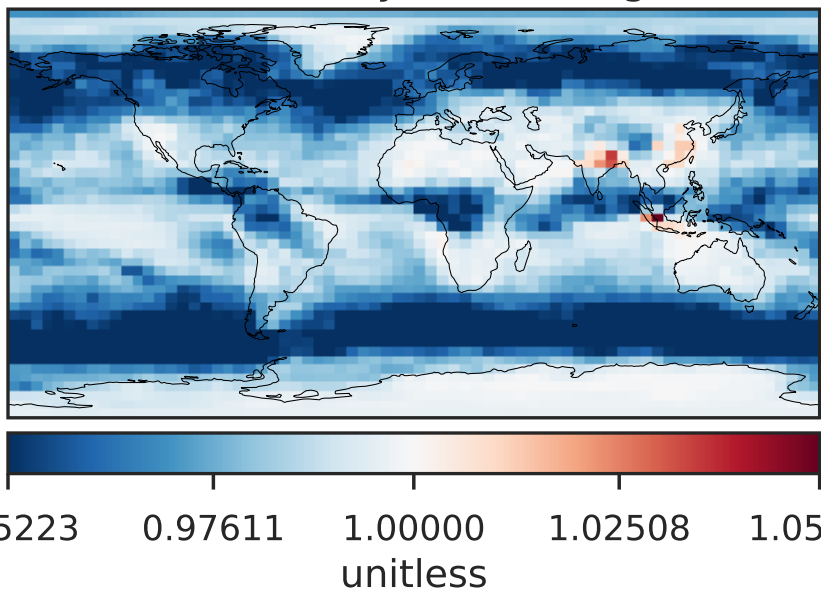
Difference
Dev - Ref, Dynamic Range



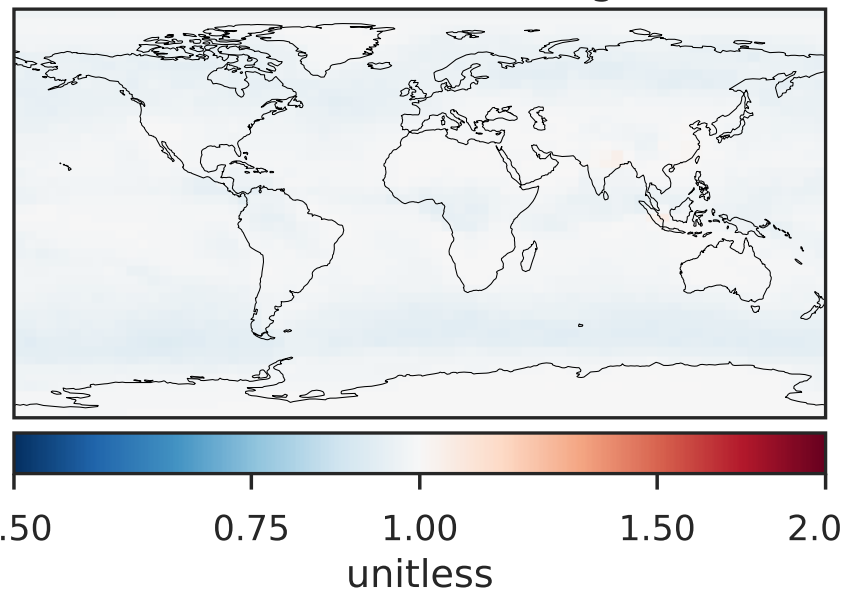
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

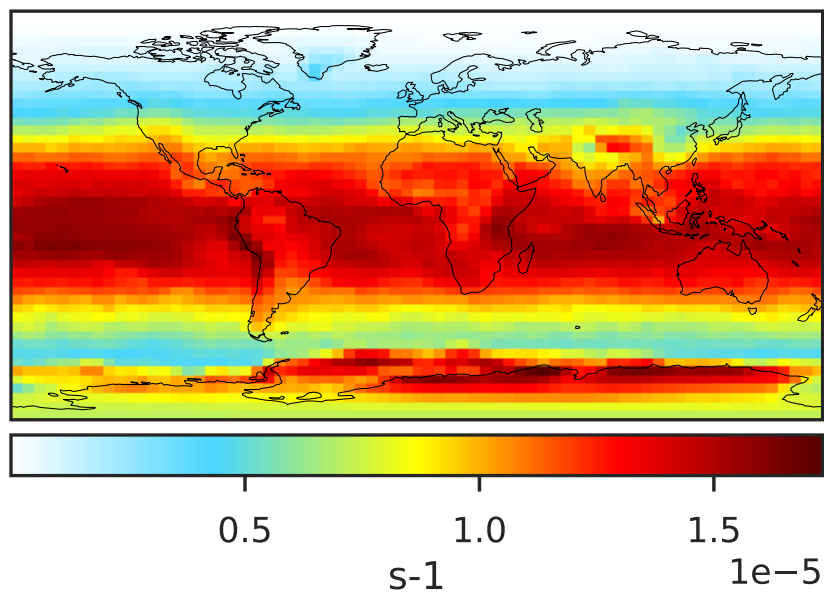


Ratio
Dev/Ref, Fixed Range

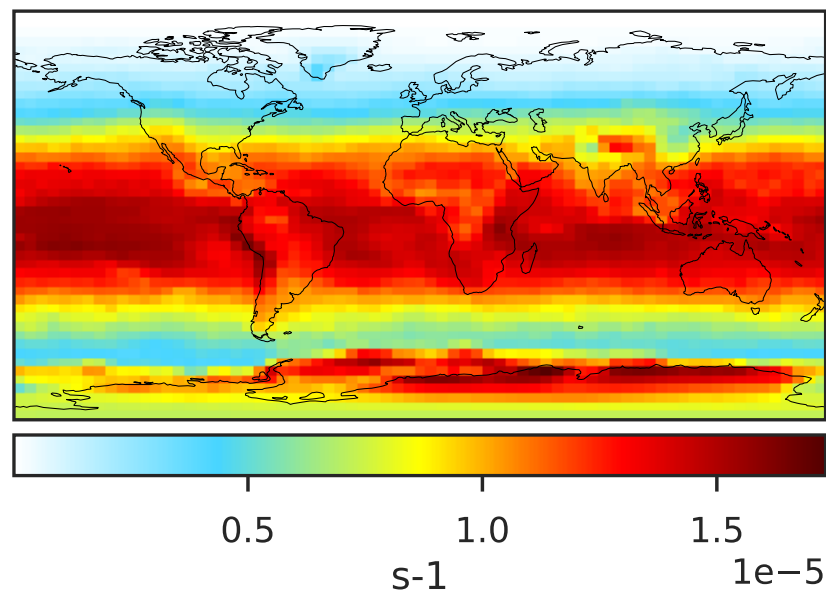


Jval_MVKN (Oct2019)

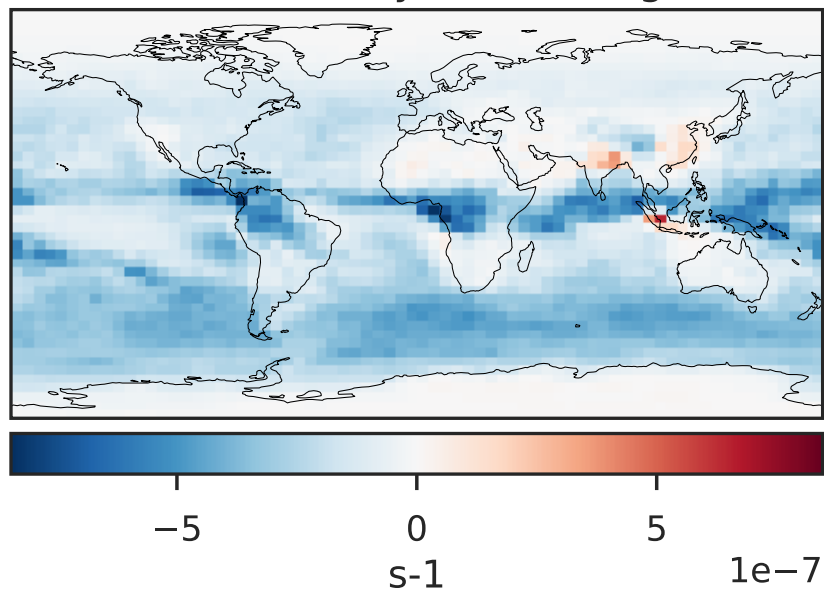
14.2.0-rc.2 (Ref)
4.0x5.0



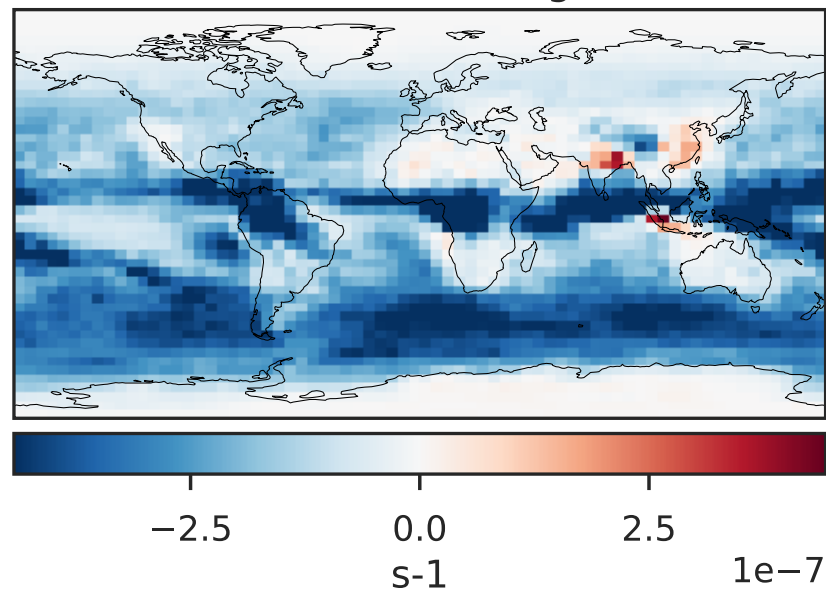
14.3.0-rc.0 (Dev)
4.0x5.0



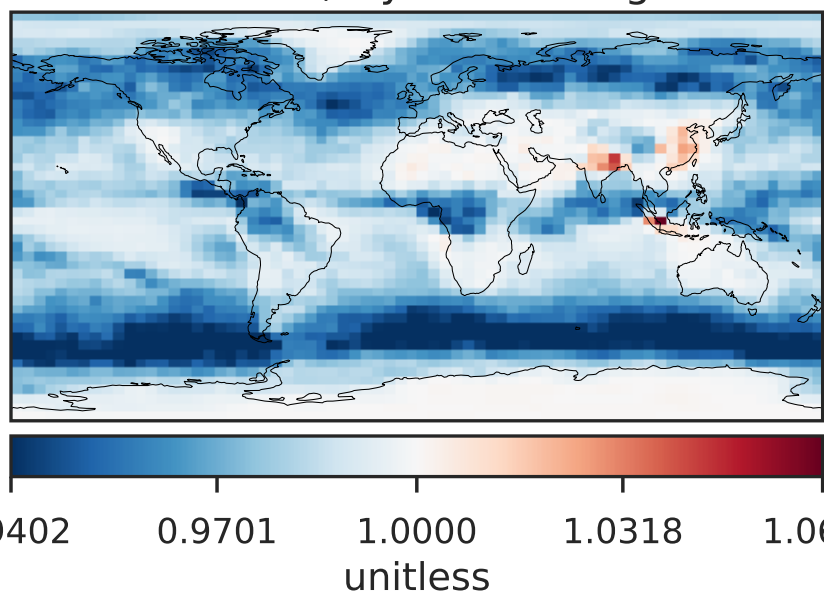
Difference
Dev - Ref, Dynamic Range



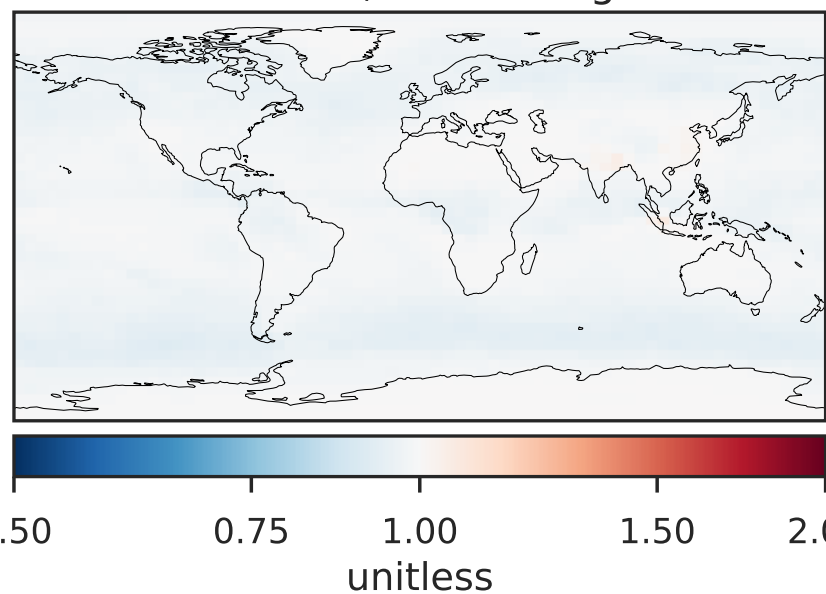
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

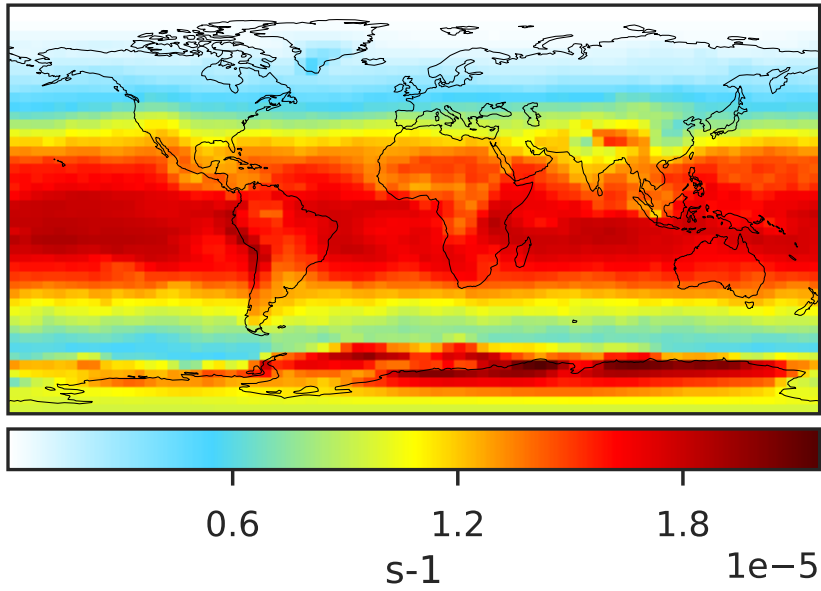


Ratio
Dev/Ref, Fixed Range

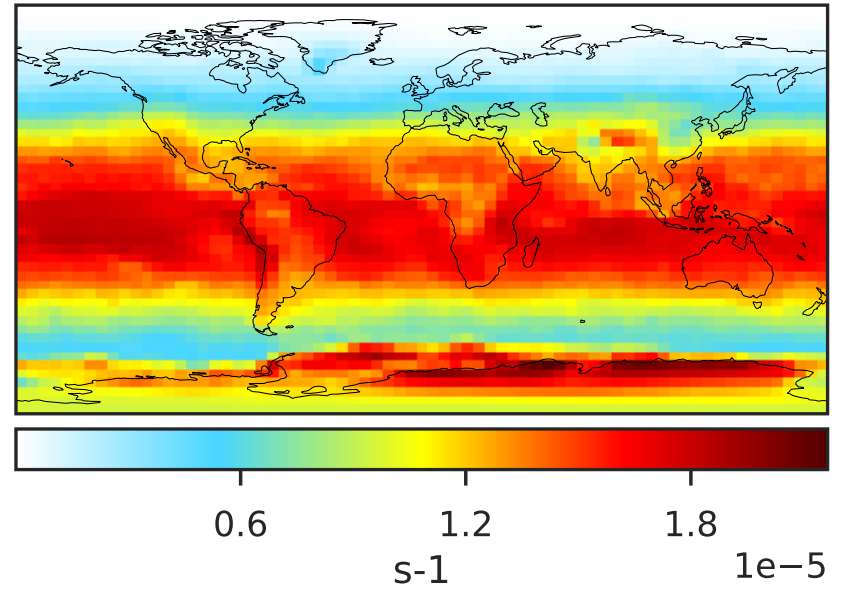


Jval_MVKPC (Oct2019)

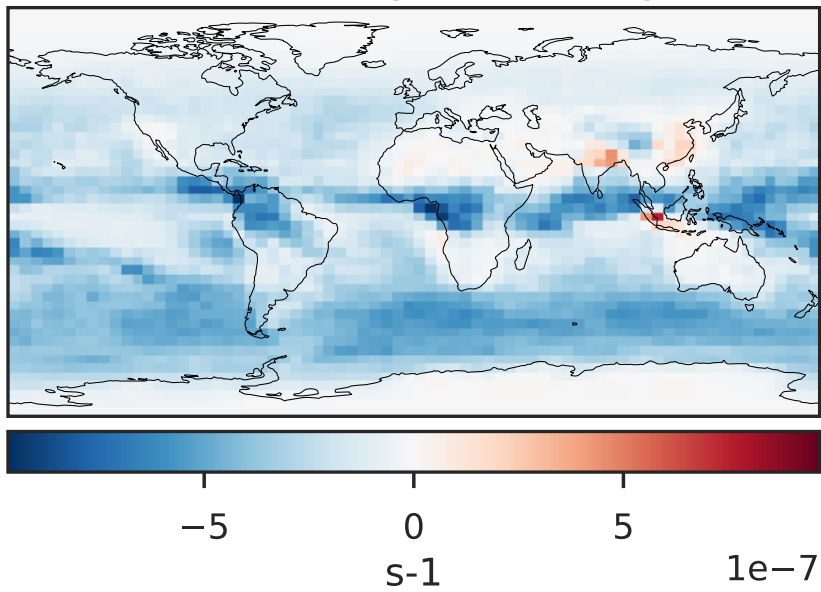
14.2.0-rc.2 (Ref)
4.0x5.0



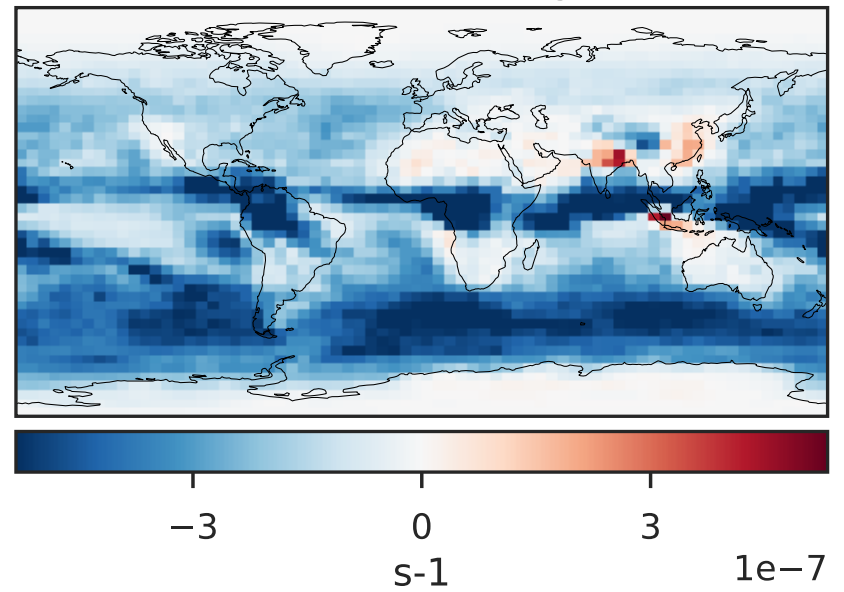
14.3.0-rc.0 (Dev)
4.0x5.0



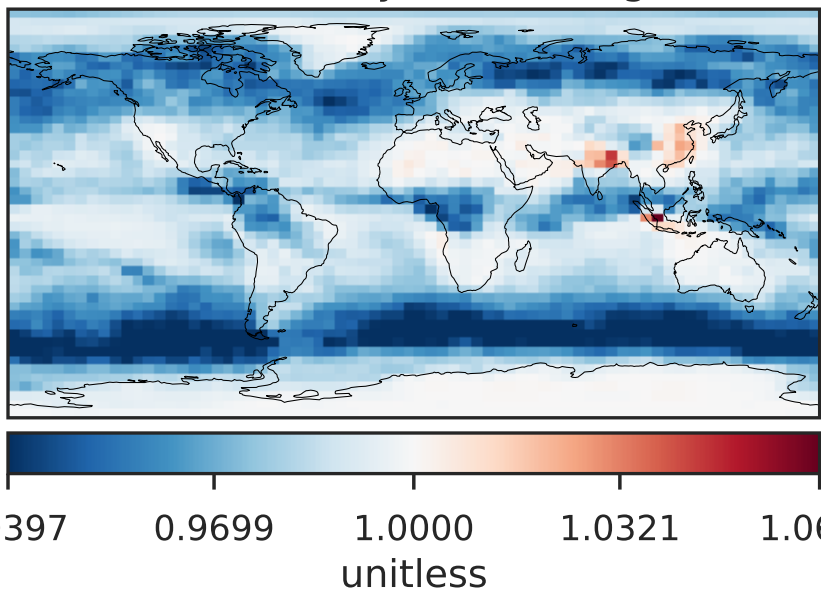
Difference
Dev - Ref, Dynamic Range



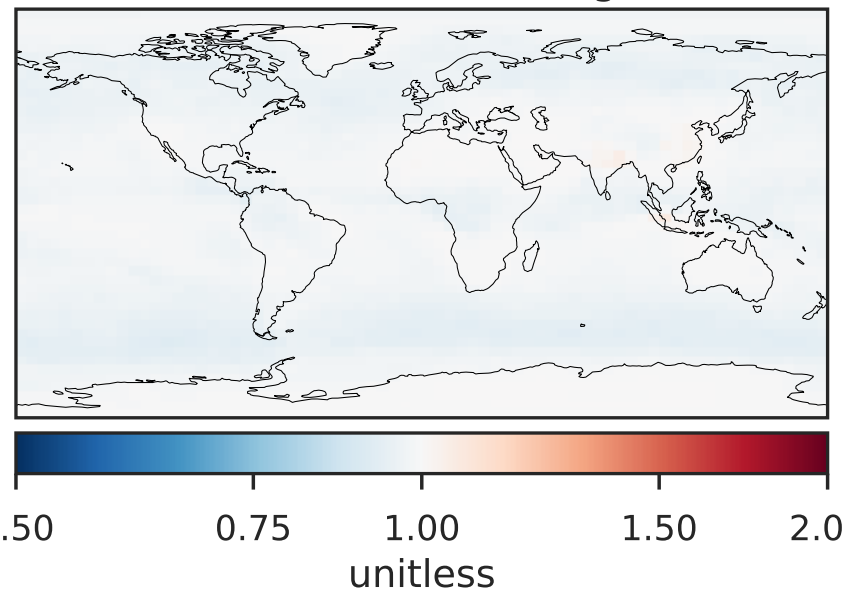
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

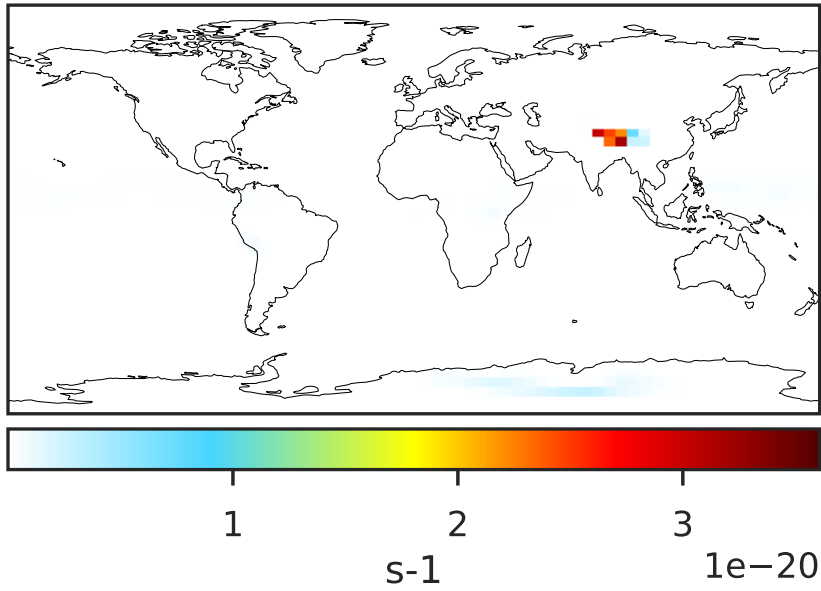


Ratio
Dev/Ref, Fixed Range

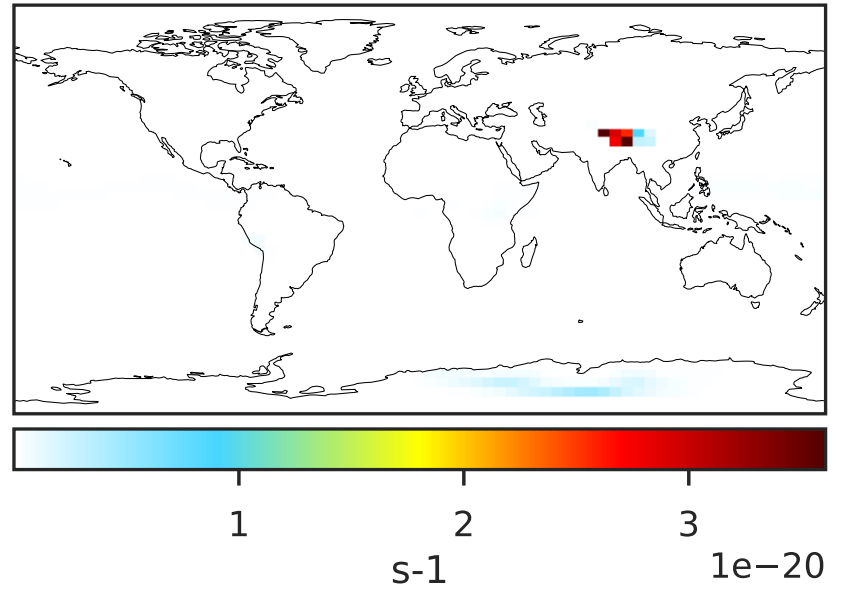


Jval_N2O (Oct2019)

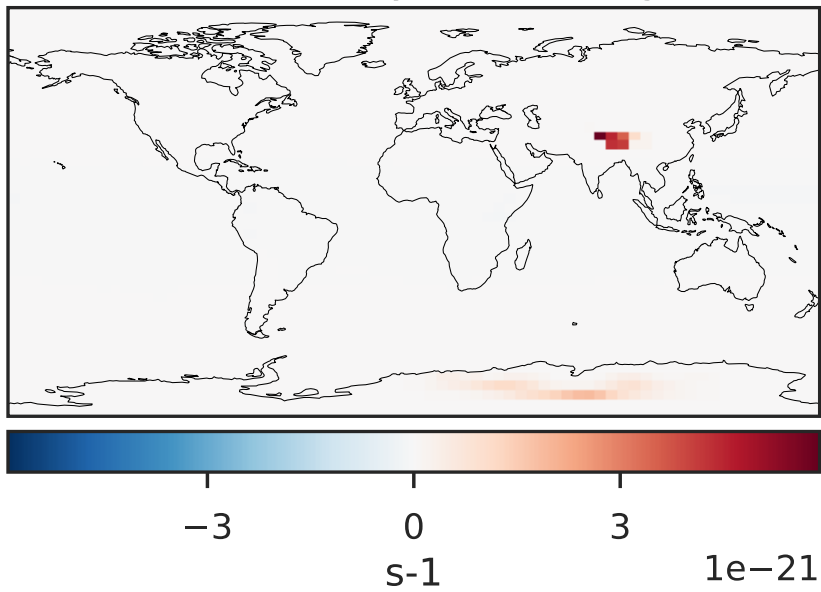
14.2.0-rc.2 (Ref)
4.0x5.0



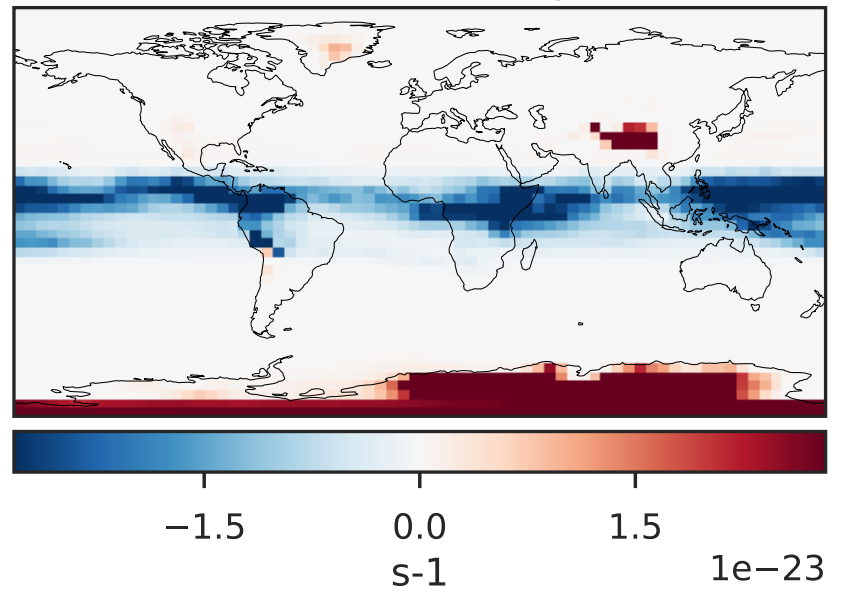
14.3.0-rc.0 (Dev)
4.0x5.0



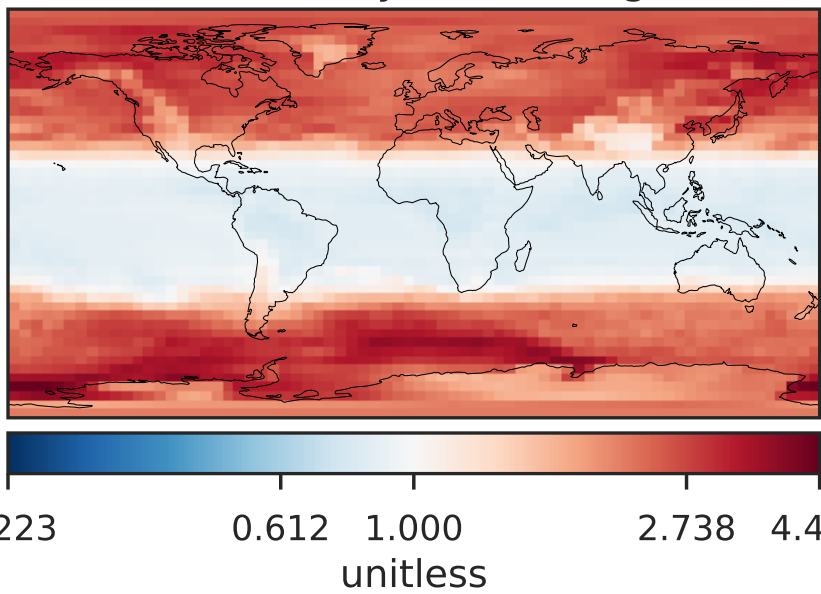
Difference
Dev - Ref, Dynamic Range



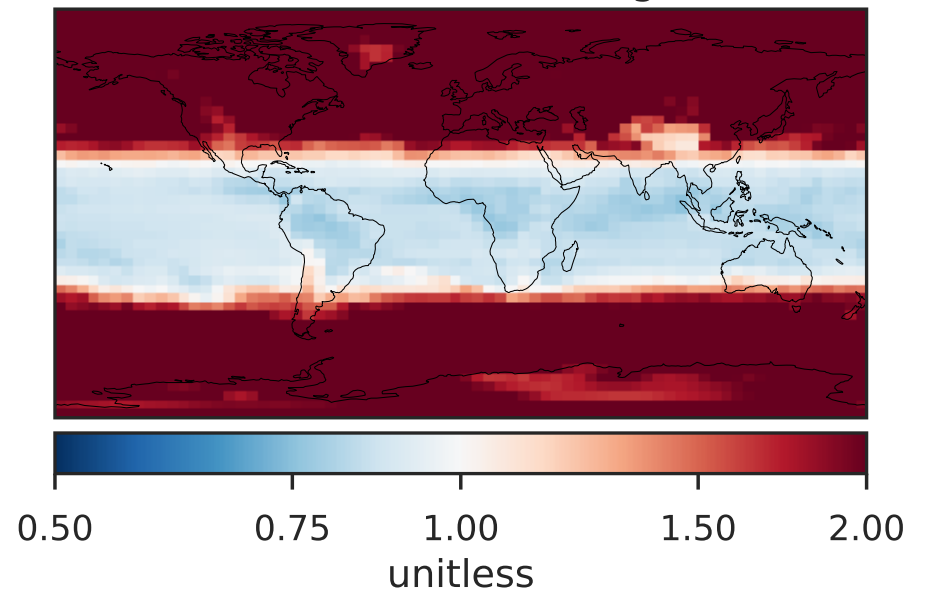
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

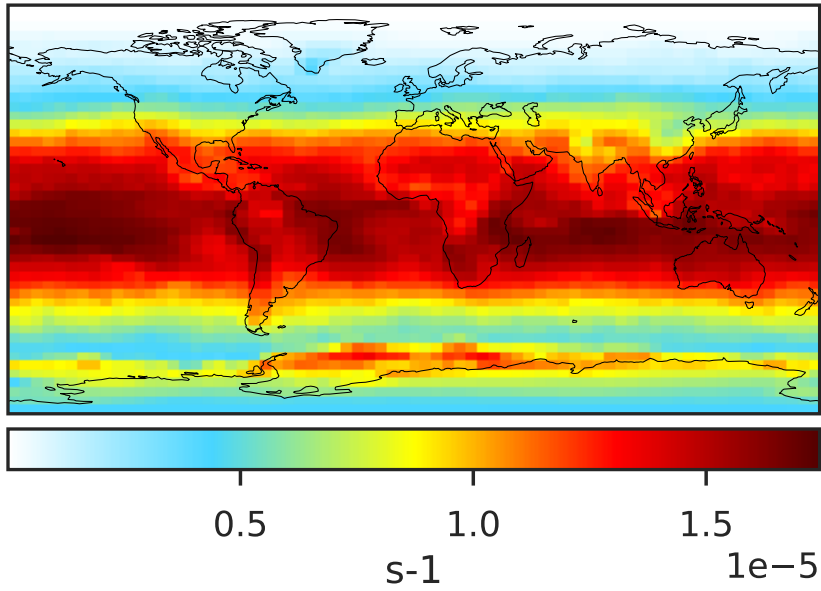


Ratio
Dev/Ref, Fixed Range

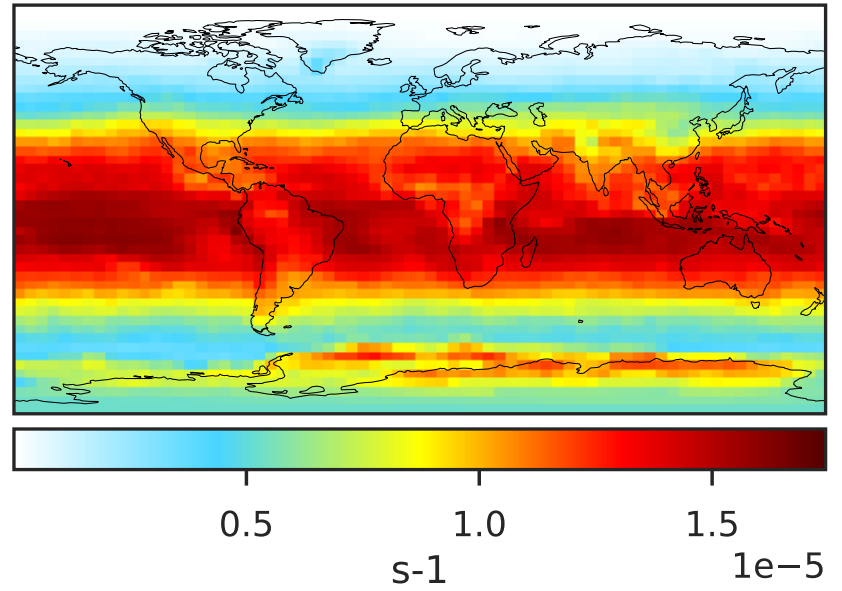


Jval_N205 (Oct2019)

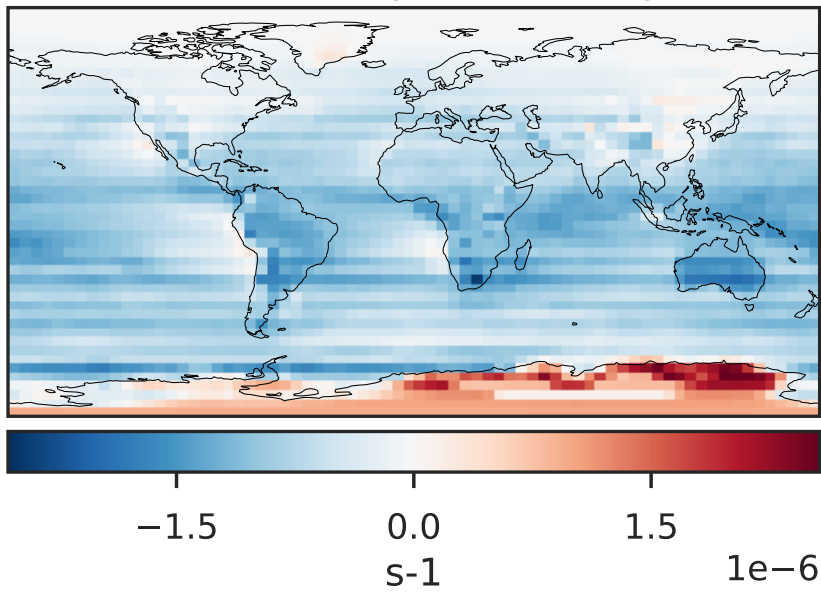
14.2.0-rc.2 (Ref)
4.0x5.0



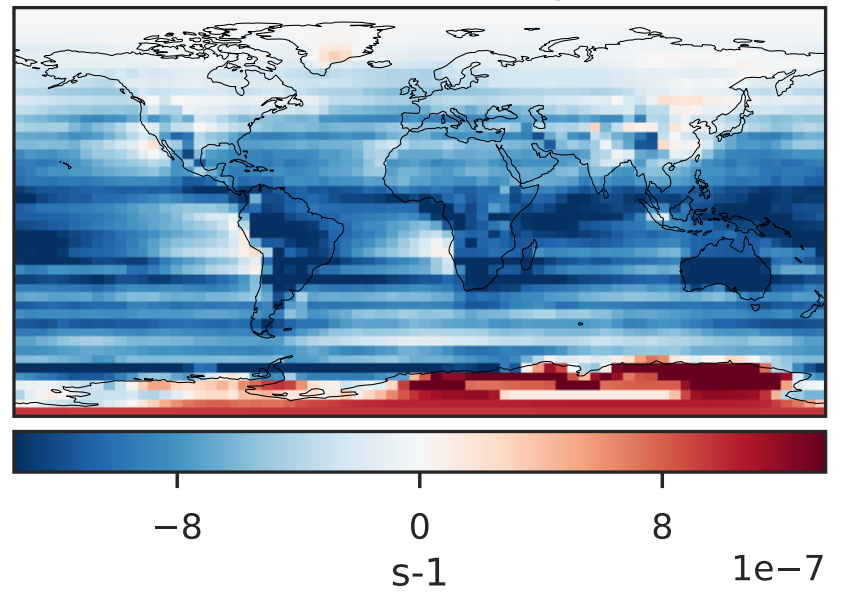
14.3.0-rc.0 (Dev)
4.0x5.0



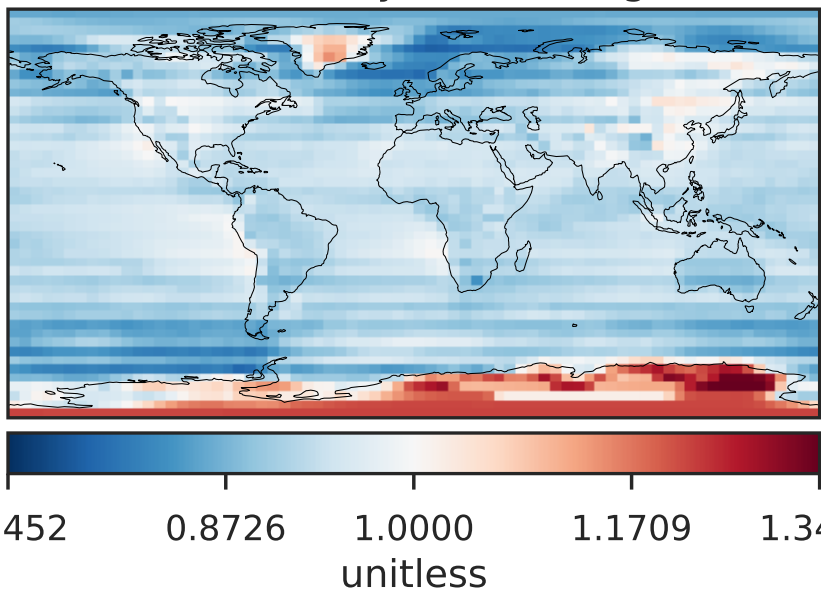
Difference
Dev - Ref, Dynamic Range



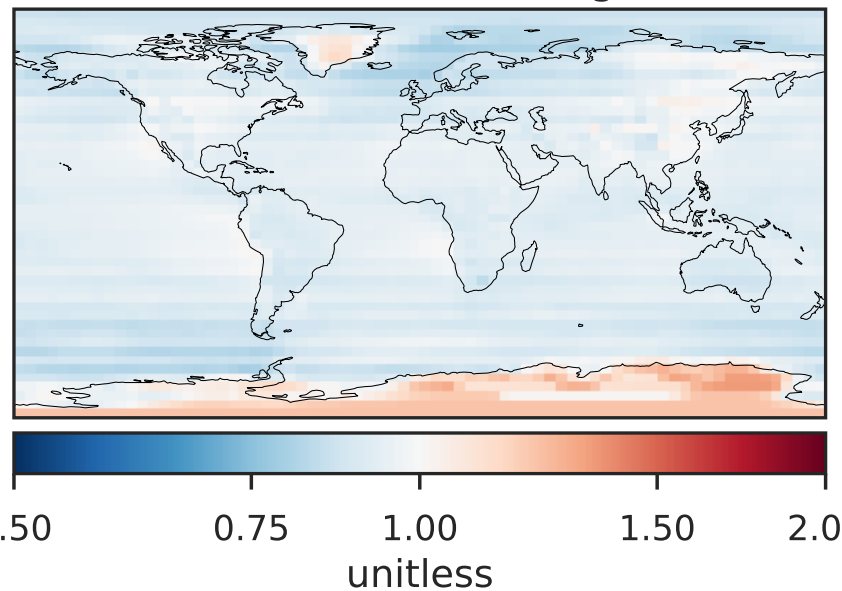
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

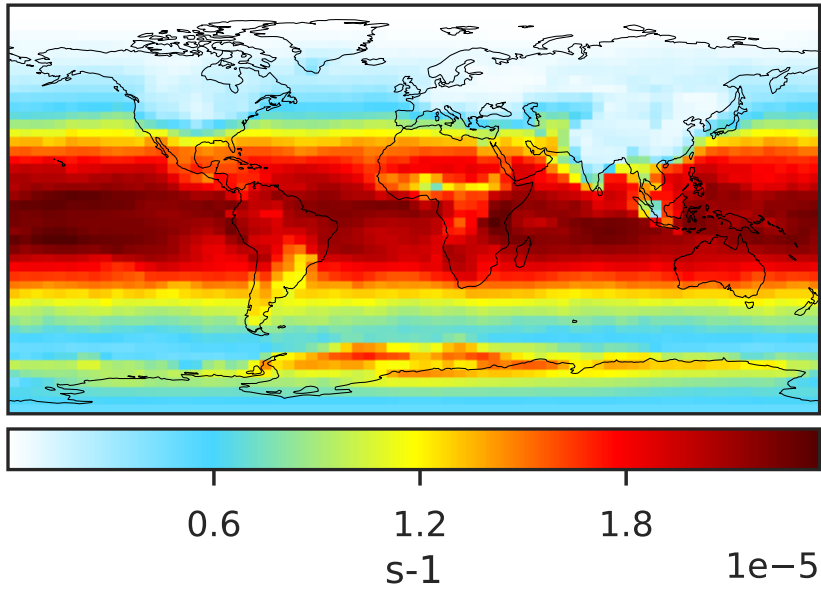


Ratio
Dev/Ref, Fixed Range

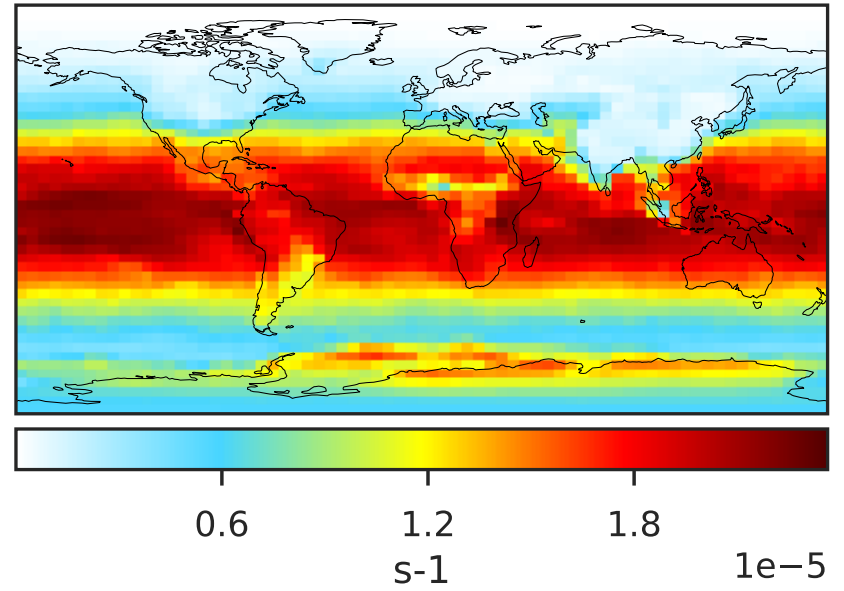


Jval_NIT (Oct2019)

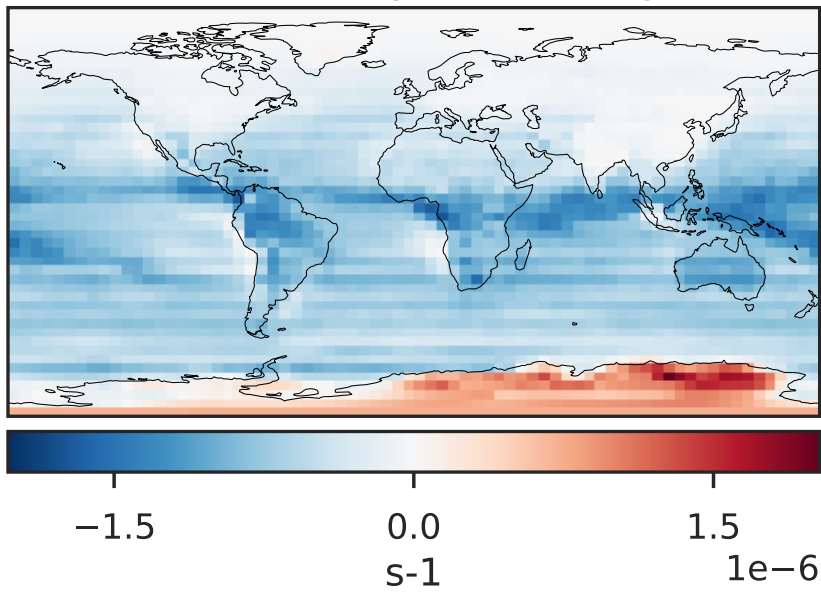
14.2.0-rc.2 (Ref)
4.0x5.0



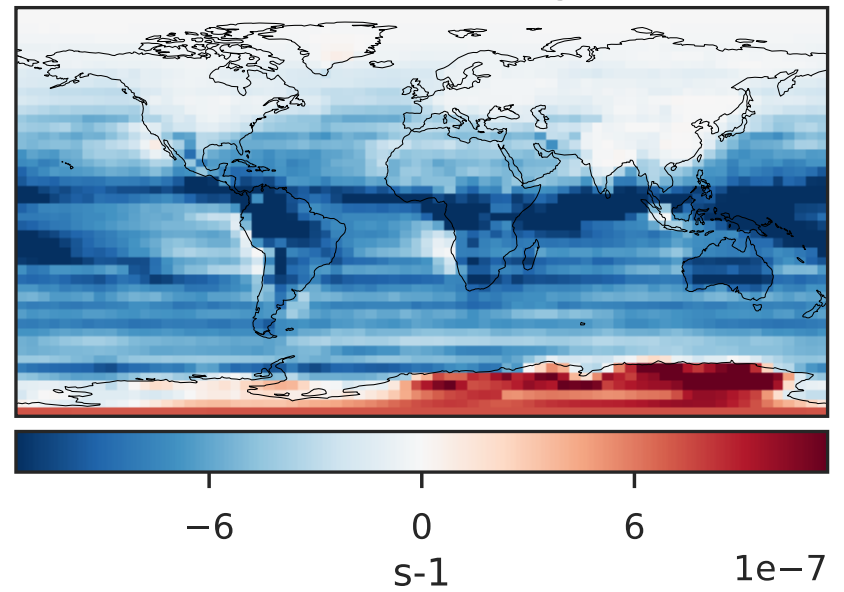
14.3.0-rc.0 (Dev)
4.0x5.0



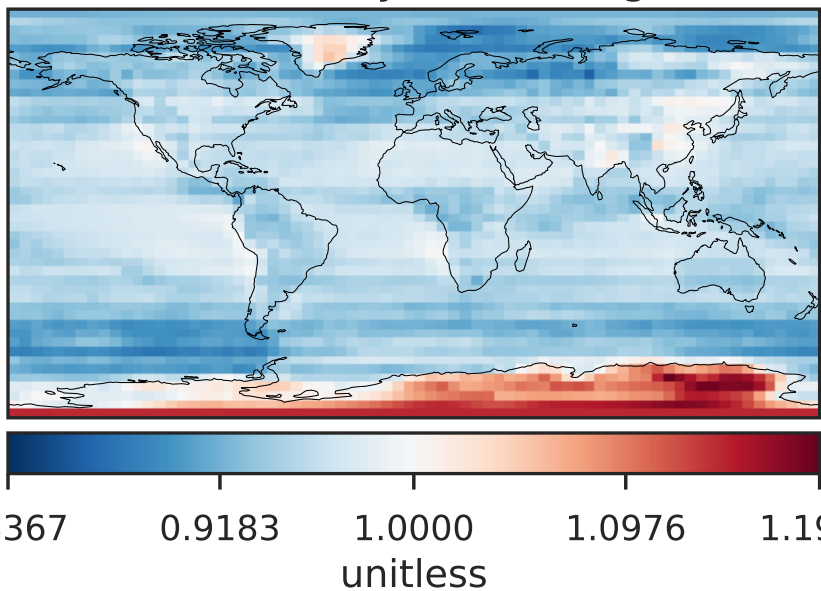
Difference
Dev - Ref, Dynamic Range



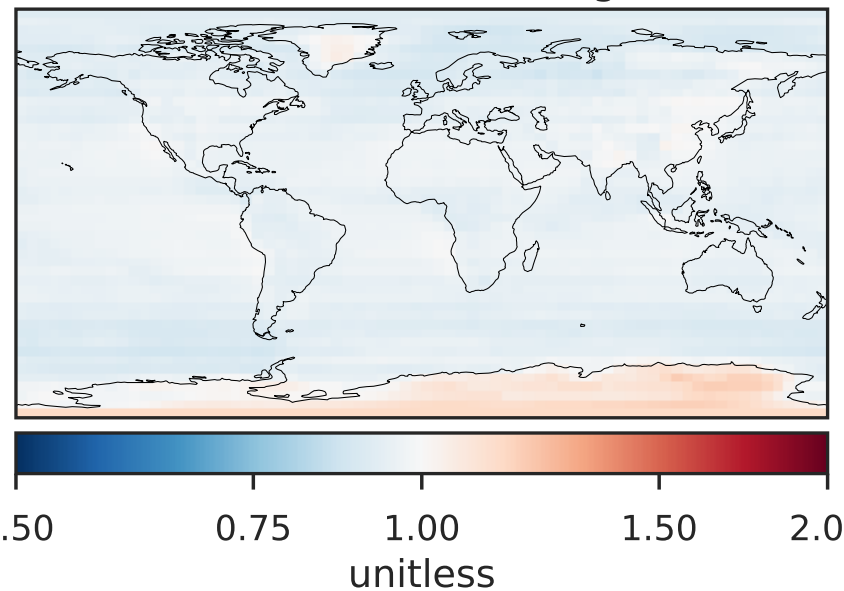
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

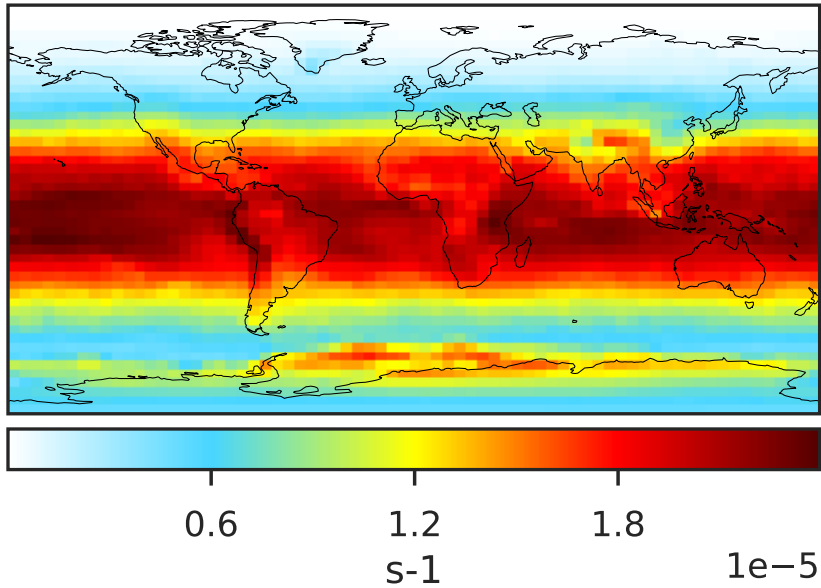


Ratio
Dev/Ref, Fixed Range

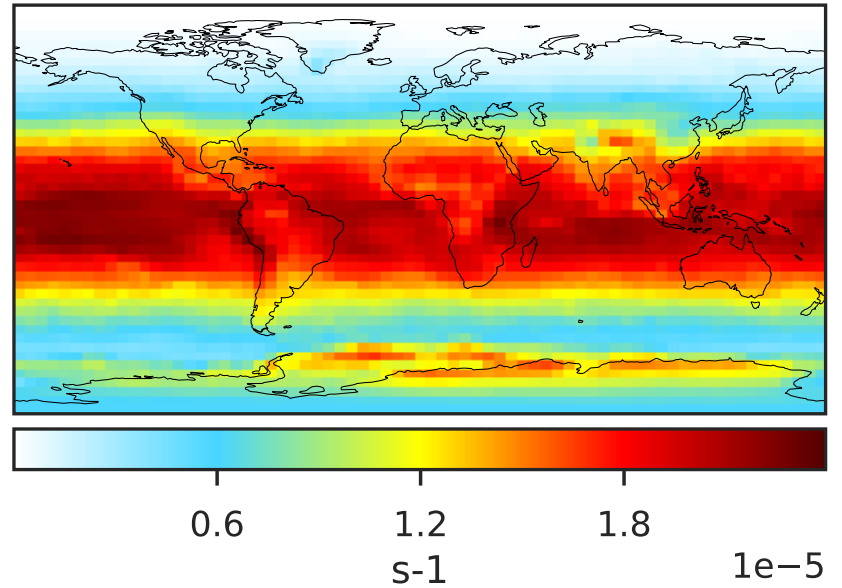


Jval_NITs (Oct2019)

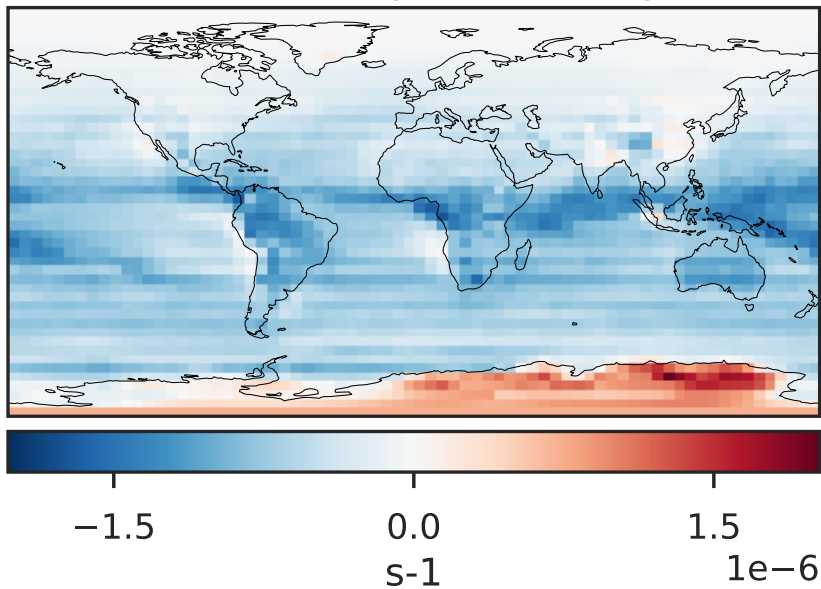
14.2.0-rc.2 (Ref)
4.0x5.0



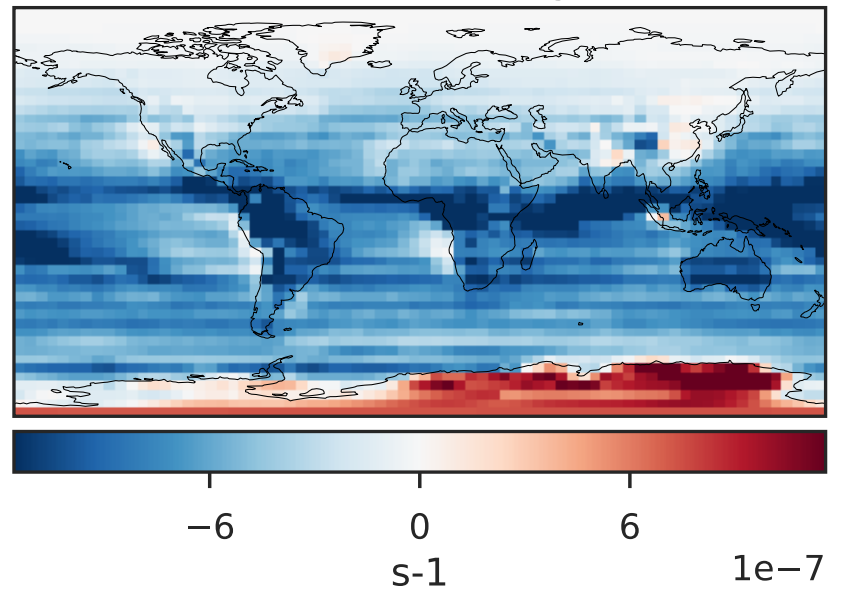
14.3.0-rc.0 (Dev)
4.0x5.0



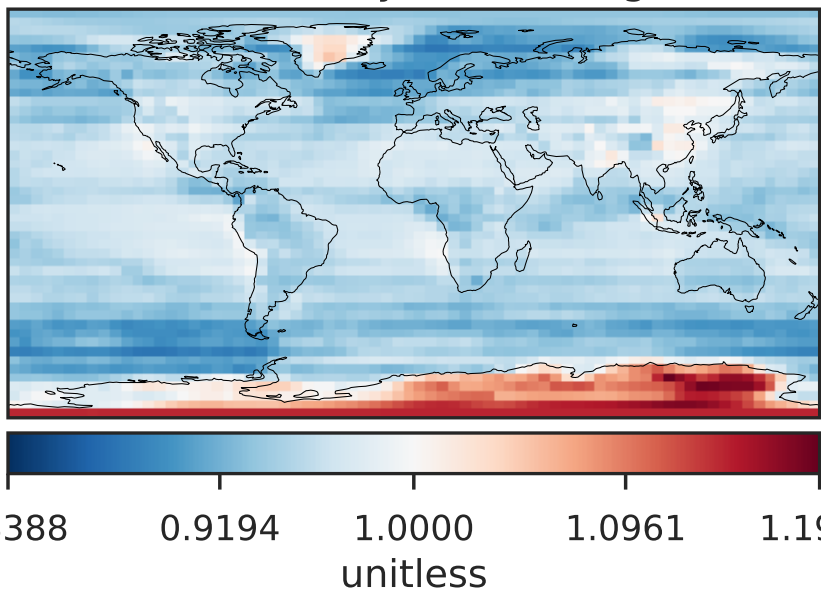
Difference
Dev - Ref, Dynamic Range



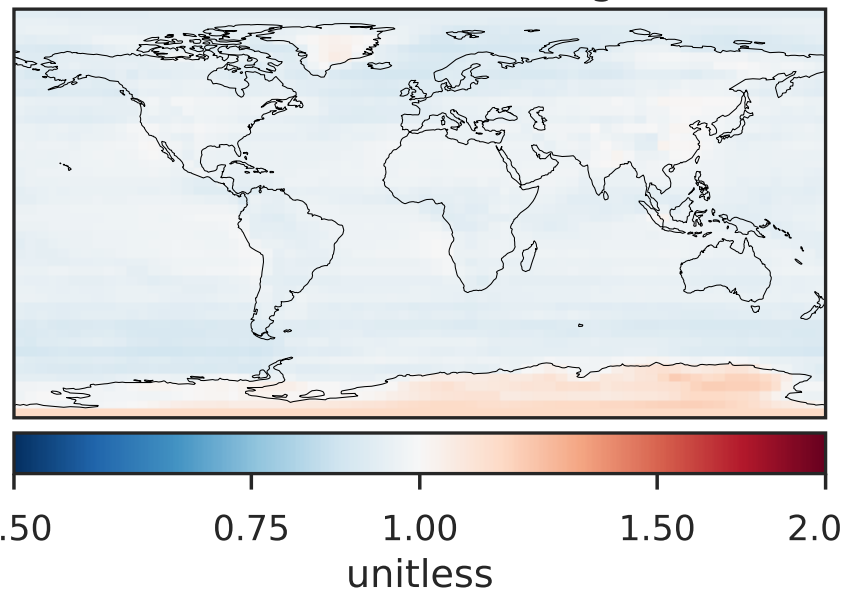
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

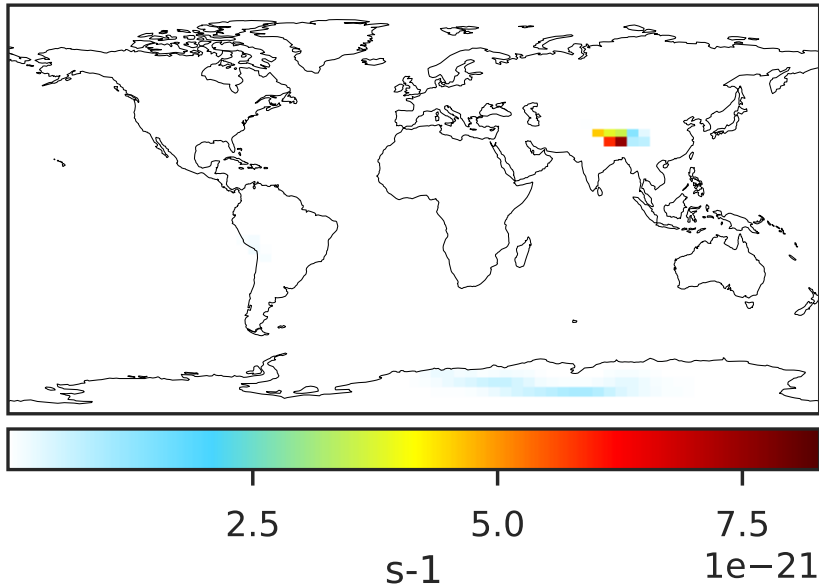


Ratio
Dev/Ref, Fixed Range

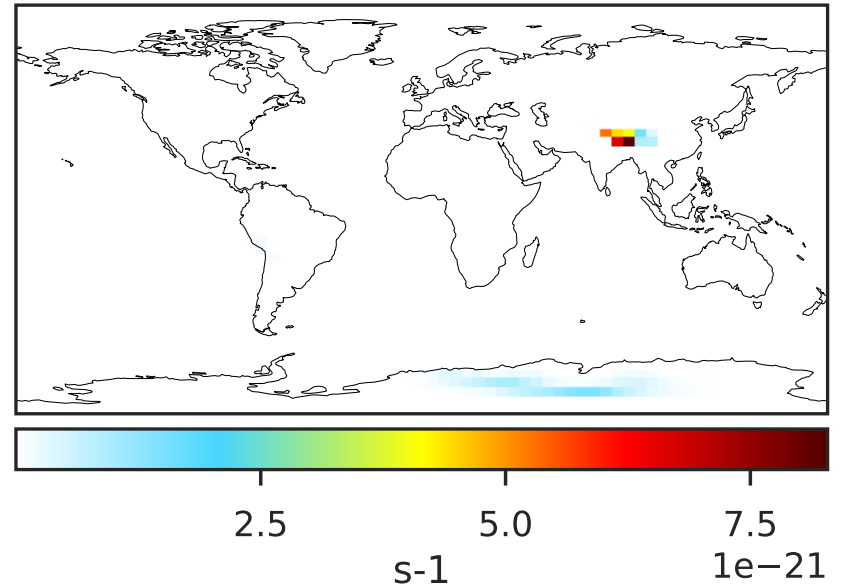


Jval_NO (Oct2019)

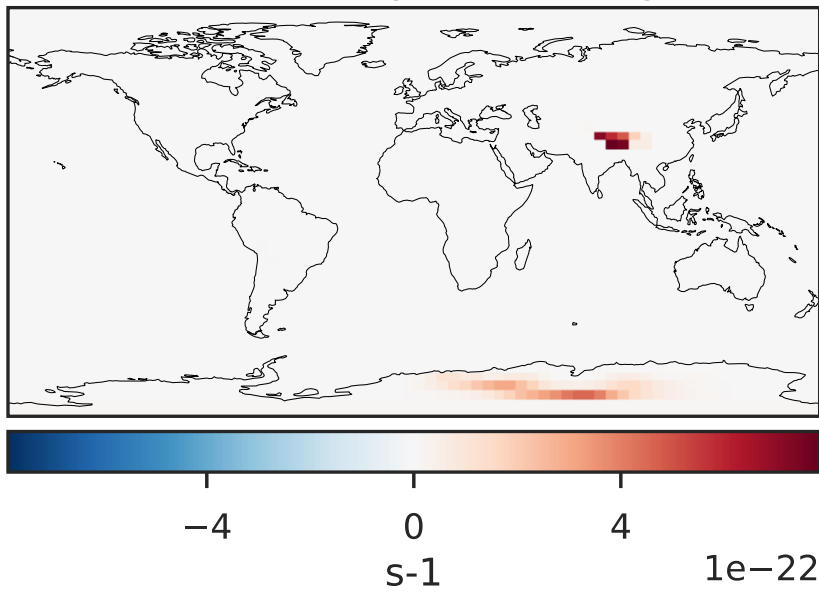
14.2.0-rc.2 (Ref)
4.0x5.0



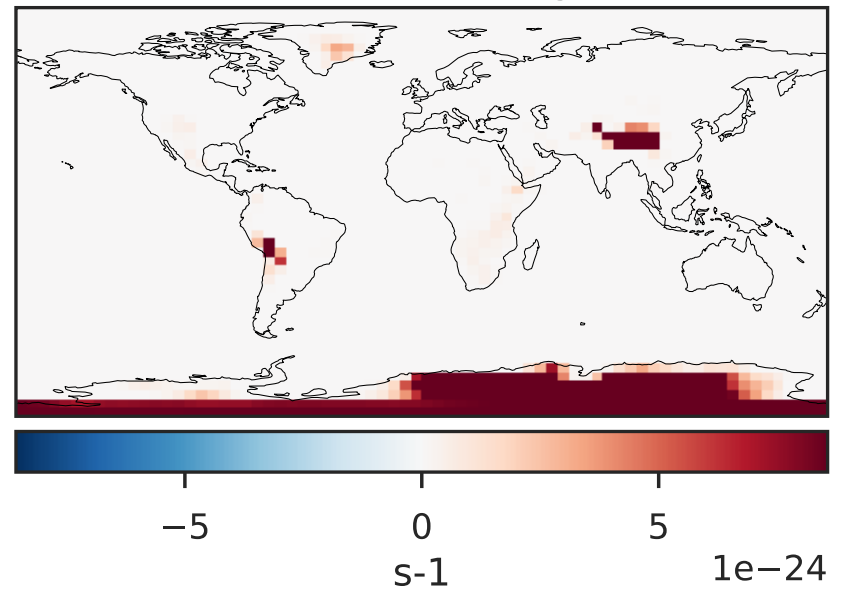
14.3.0-rc.0 (Dev)
4.0x5.0



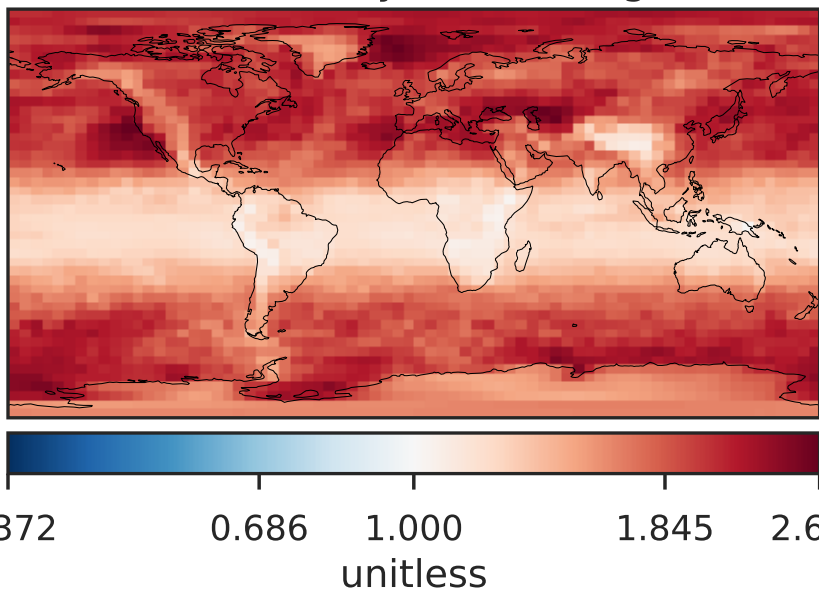
Difference
Dev - Ref, Dynamic Range



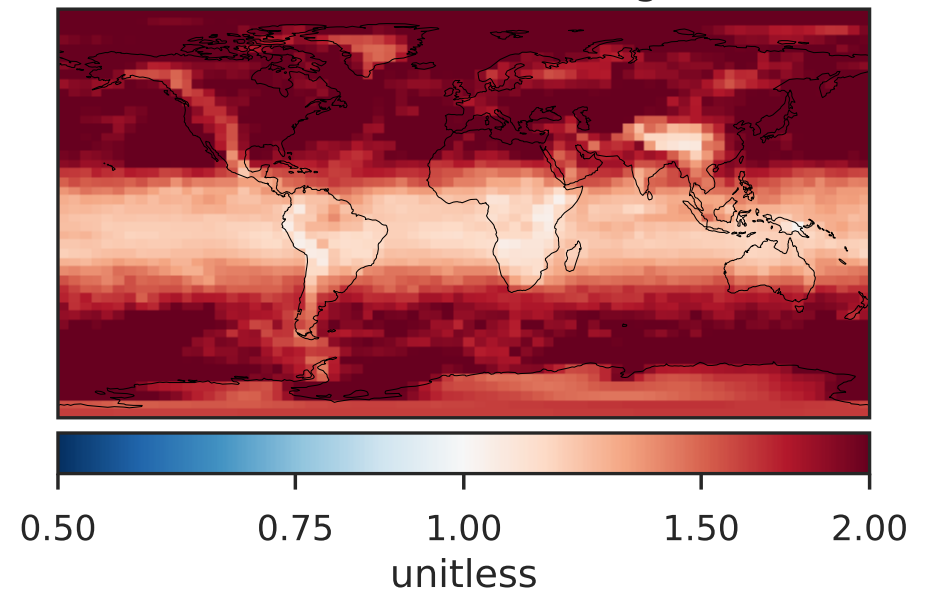
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

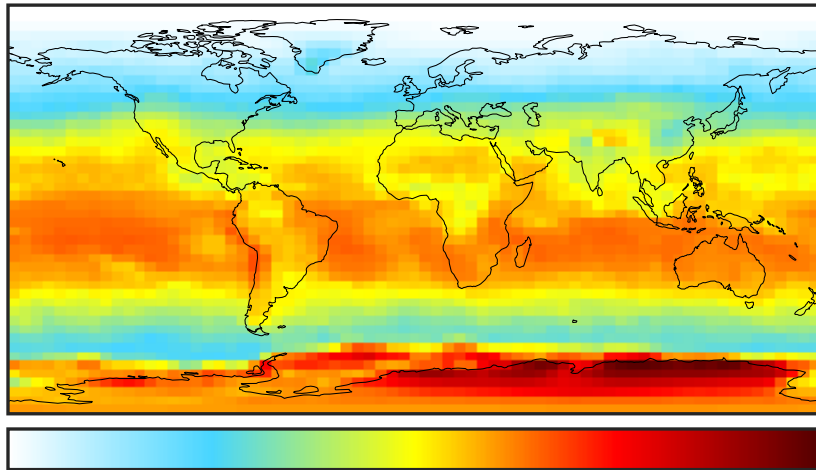


Ratio
Dev/Ref, Fixed Range



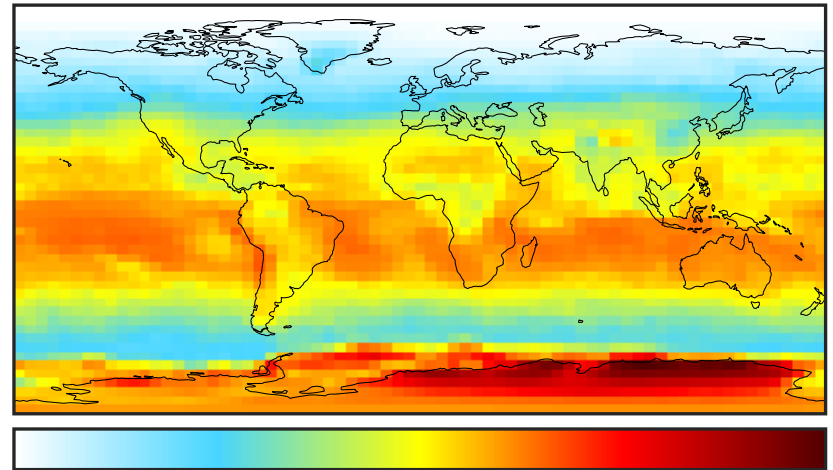
Jval_NO2 (Oct2019)

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



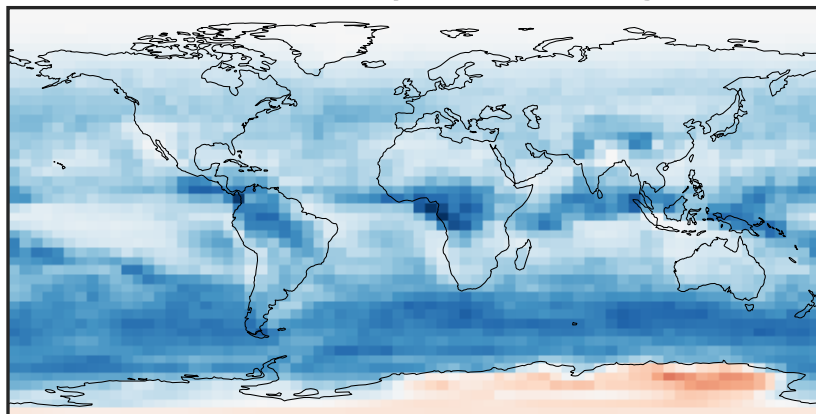
0.0015 0.0030 0.0045
s-1

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



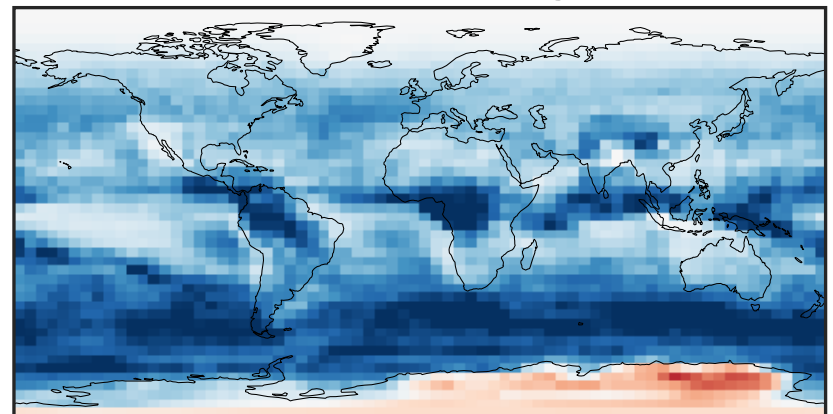
0.0015 0.0030 0.0045
s-1

Difference
Dev - Ref, Dynamic Range



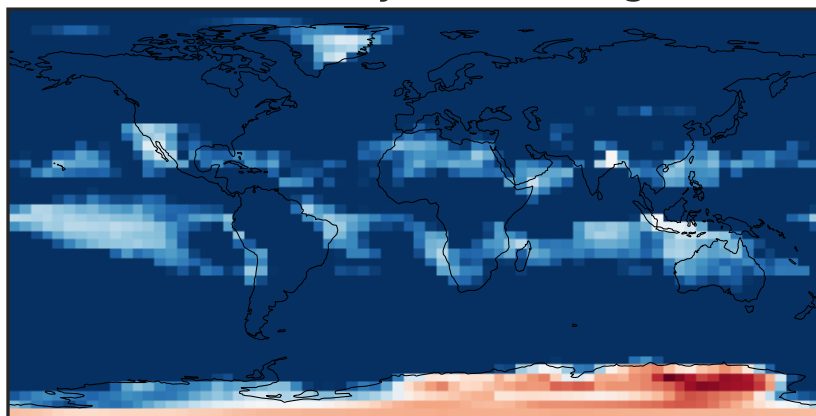
-0.00015 0.00000 0.00015
s-1

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



-8 0 8
s-1 1e-5

Ratio
Dev/Ref, Dynamic Range



0.97974 0.98987 1.00000 1.01034 1.02067
unitless

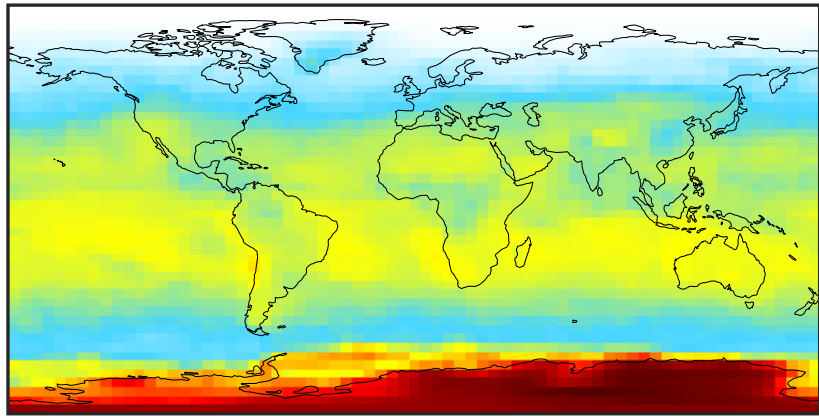
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

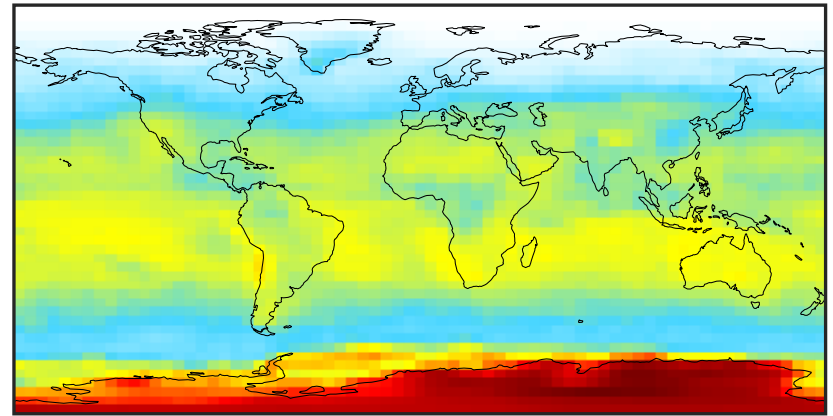
Jval_NO3 (Oct2019)

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



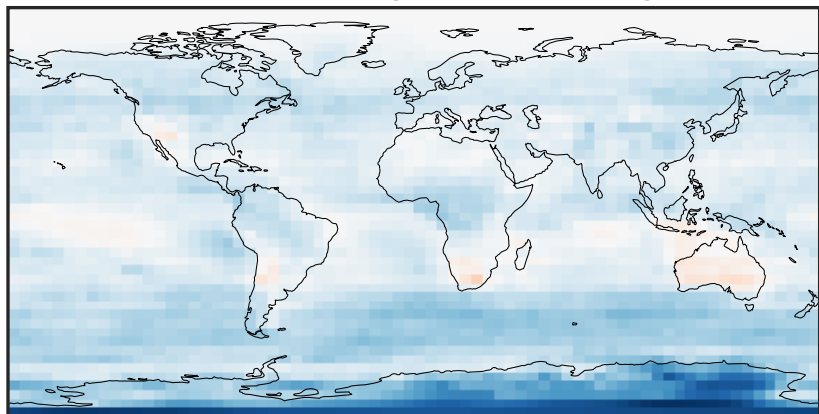
0.0001 0.0463 0.0924 0.1386 0.1848
s-1

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



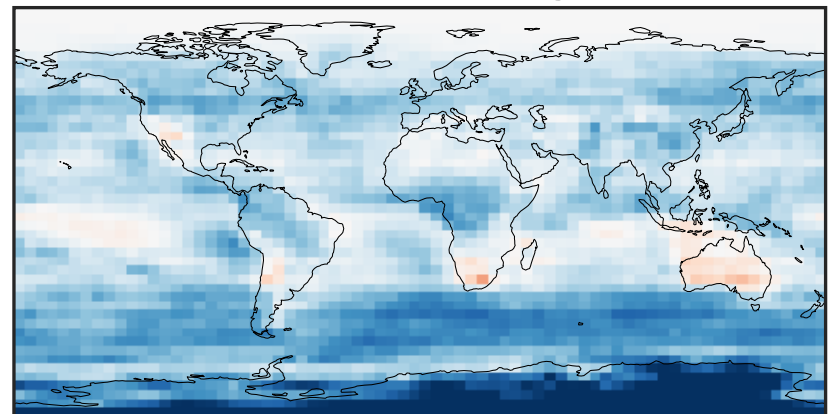
0.0001 0.0463 0.0924 0.1386 0.1848
s-1

Difference
Dev - Ref, Dynamic Range



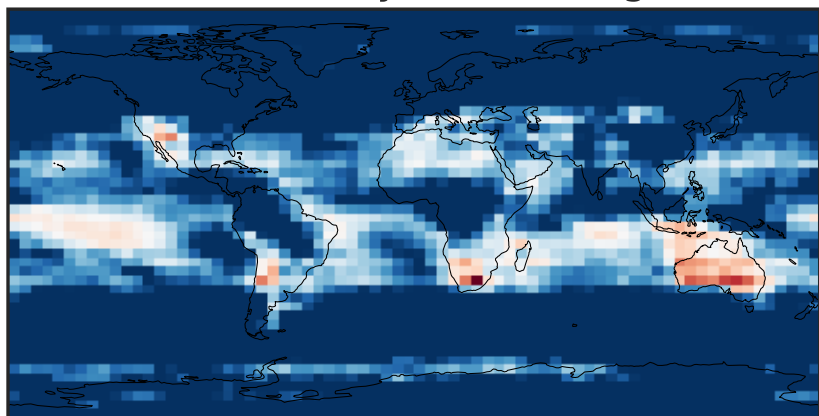
-0.008 0.000 0.008
s-1

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



-0.004 0.000 0.004
s-1

Ratio
Dev/Ref, Dynamic Range



0.96752 0.98376 1.00000 1.01679 1.03358
unitless

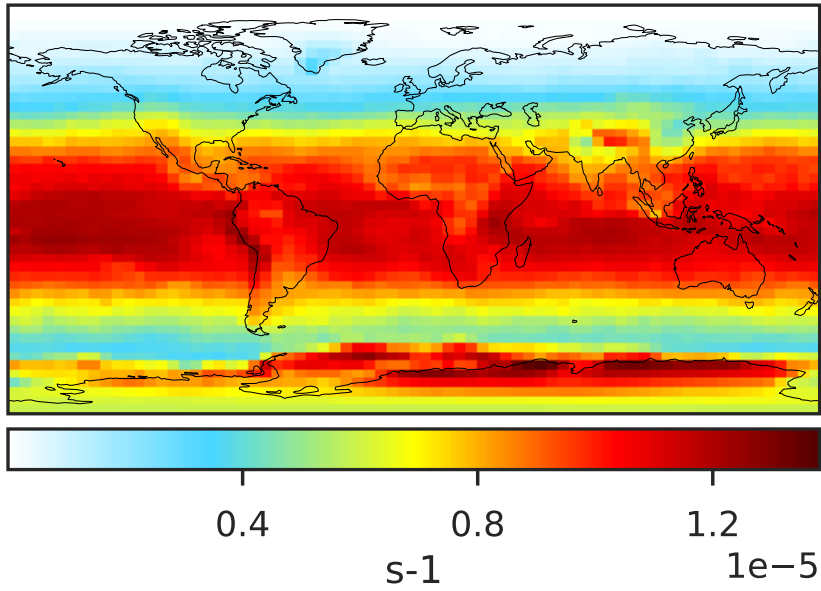
Ratio
Dev/Ref, Fixed Range



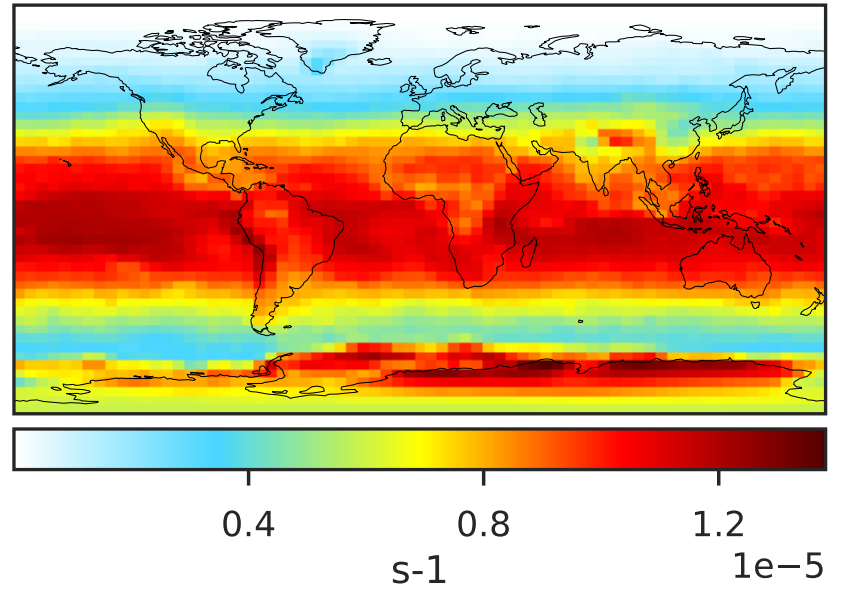
0.50 0.75 1.00 1.50 2.00
unitless

Jval_NPHEN (Oct2019)

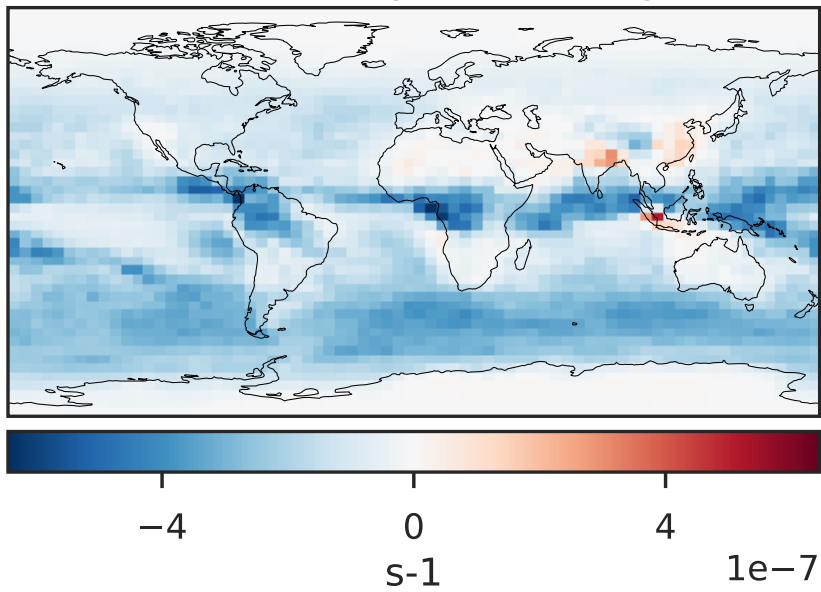
14.2.0-rc.2 (Ref)
4.0x5.0



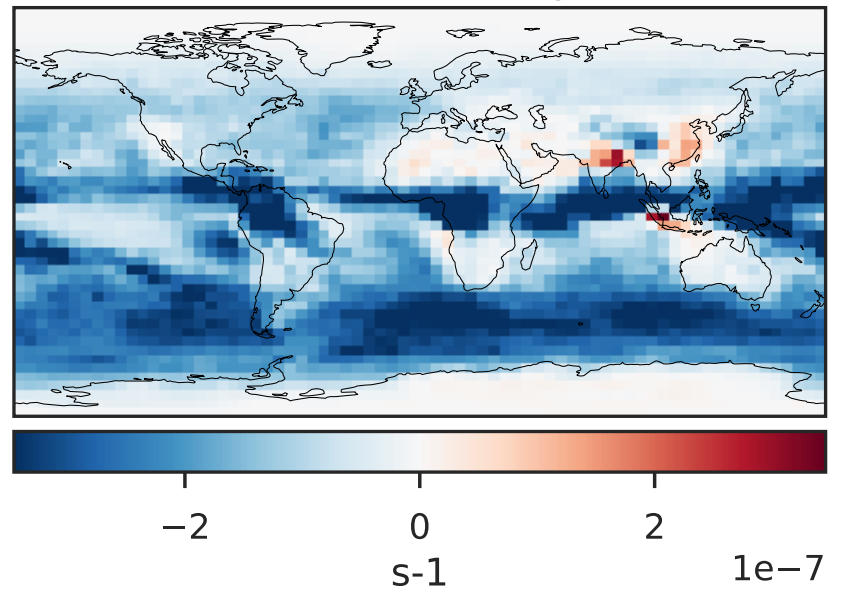
14.3.0-rc.0 (Dev)
4.0x5.0



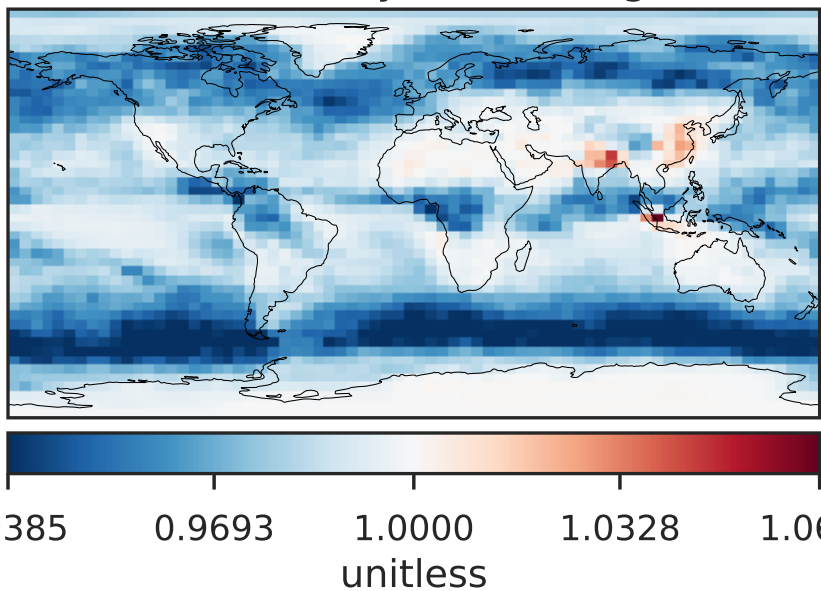
Difference
Dev - Ref, Dynamic Range



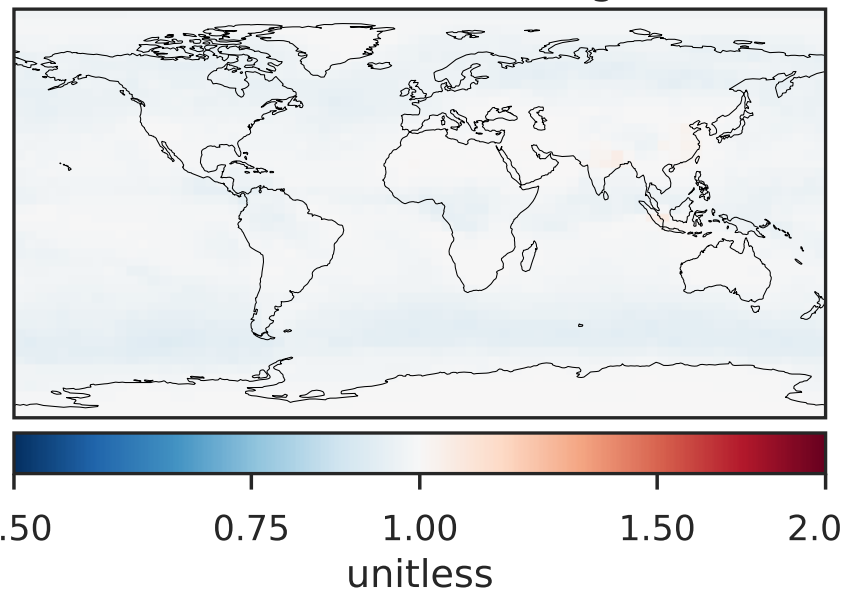
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

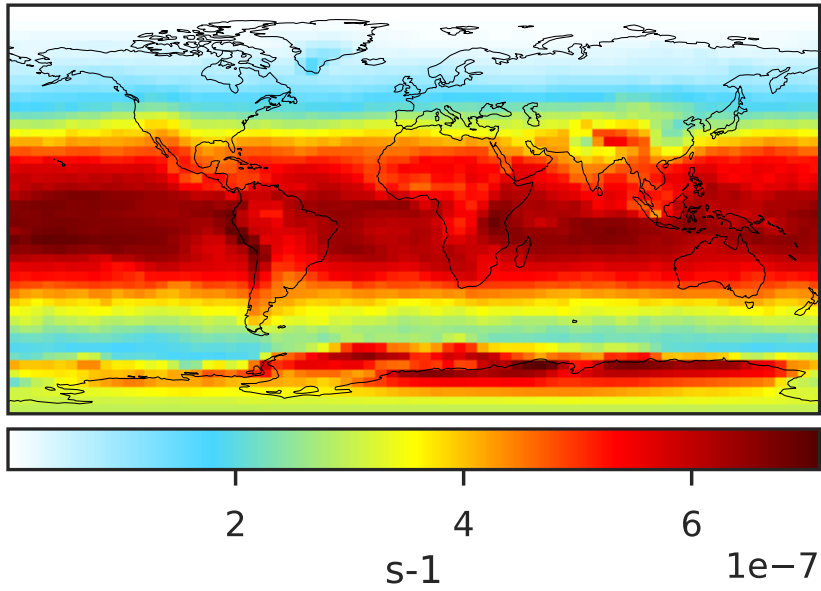


Ratio
Dev/Ref, Fixed Range

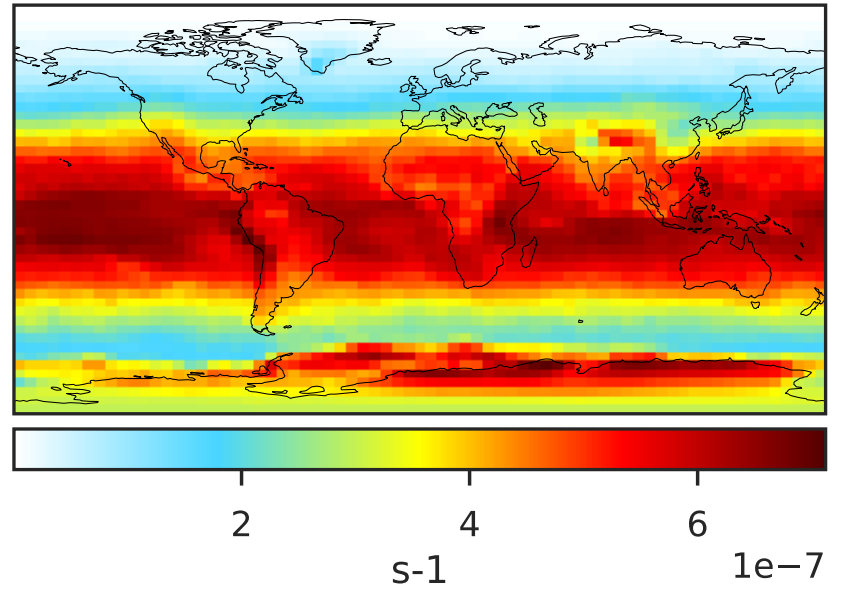


Jval_NPRNO3 (Oct2019)

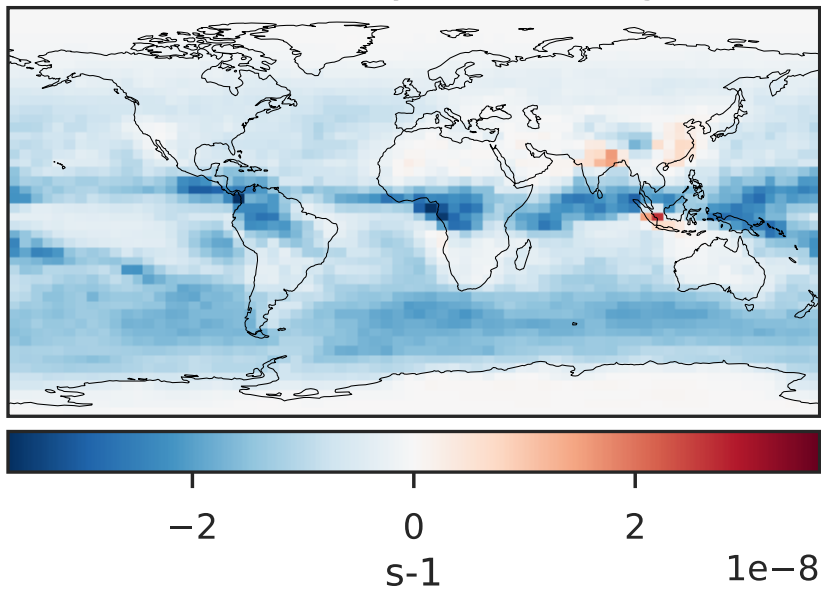
14.2.0-rc.2 (Ref)
4.0x5.0



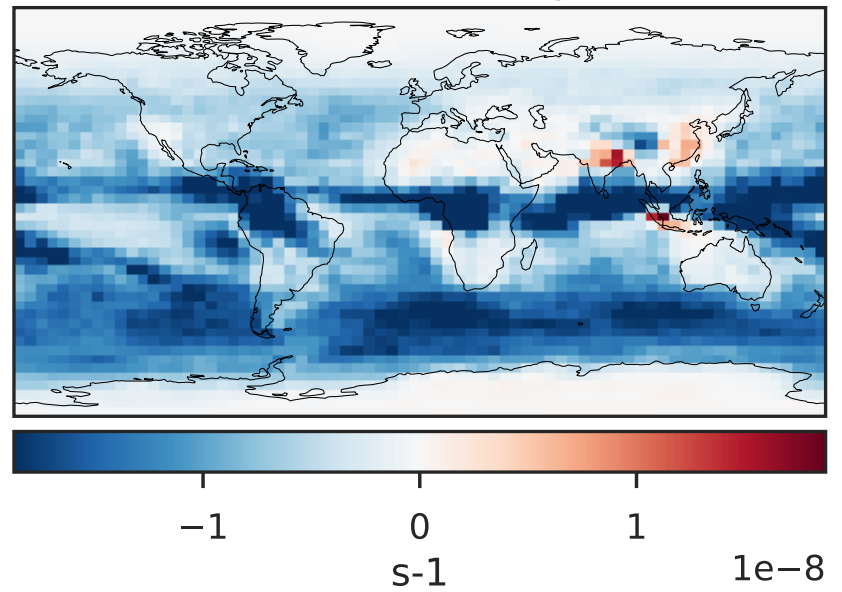
14.3.0-rc.0 (Dev)
4.0x5.0



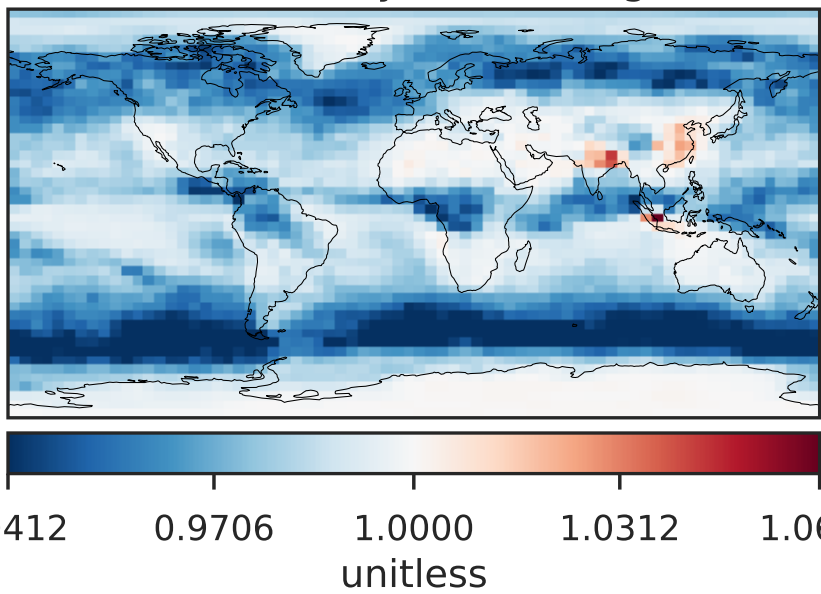
Difference
Dev - Ref, Dynamic Range



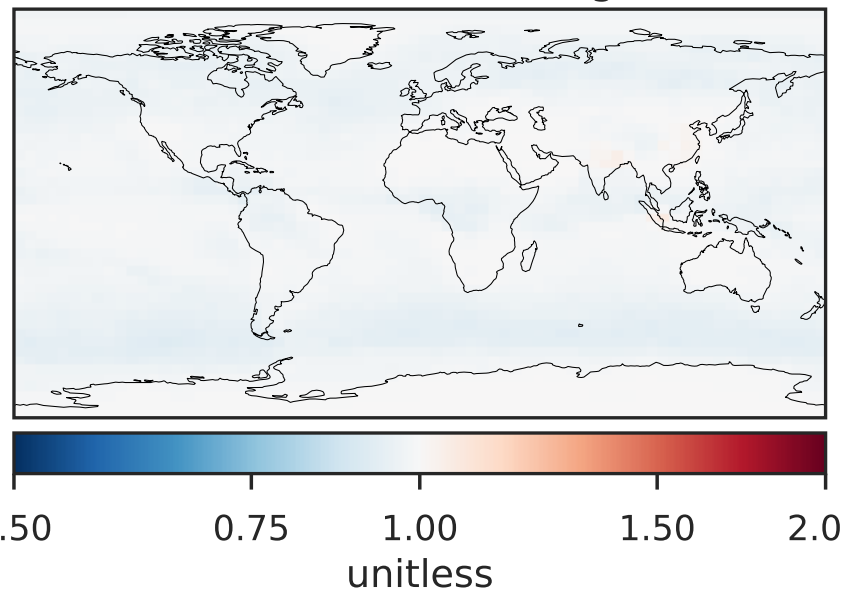
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

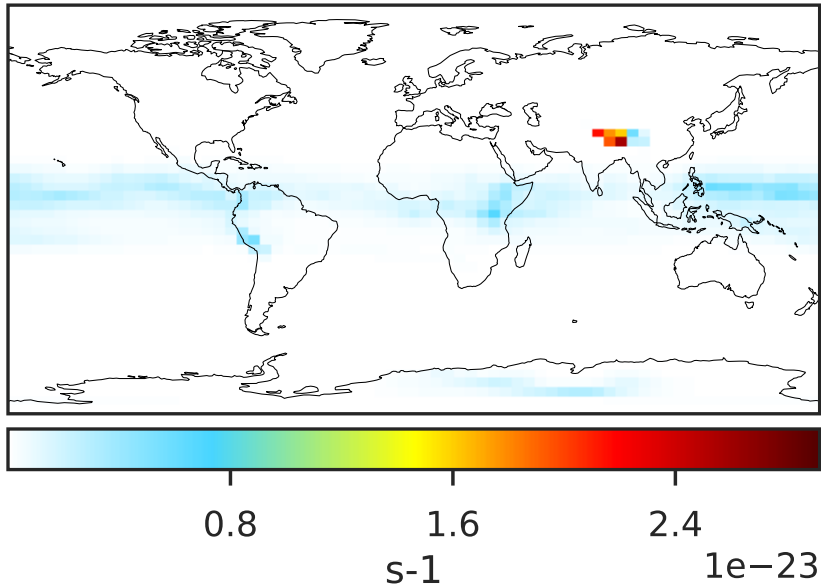


Ratio
Dev/Ref, Fixed Range

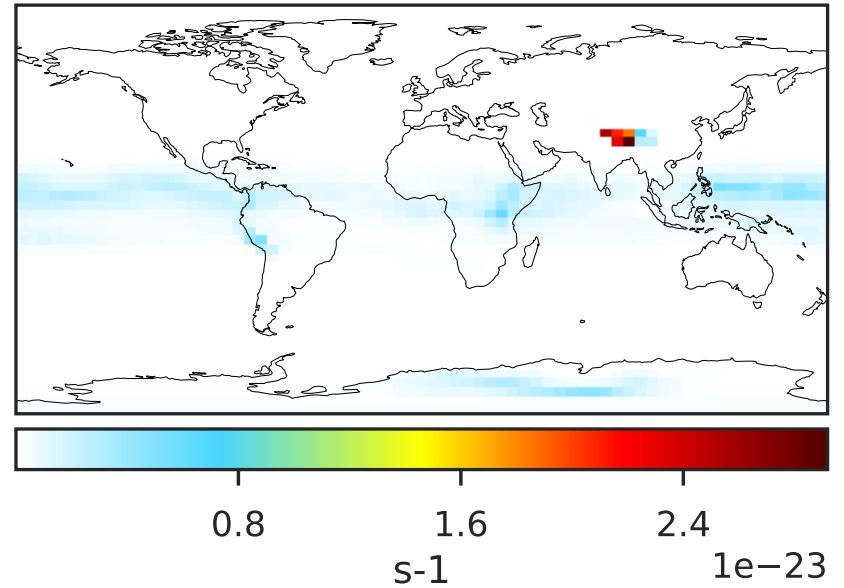


Jval_O2 (Oct2019)

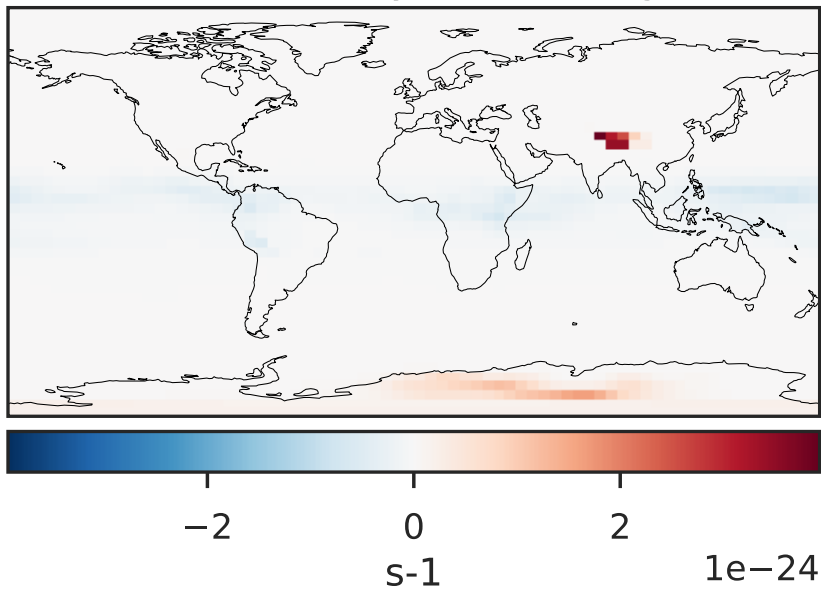
14.2.0-rc.2 (Ref)
4.0x5.0



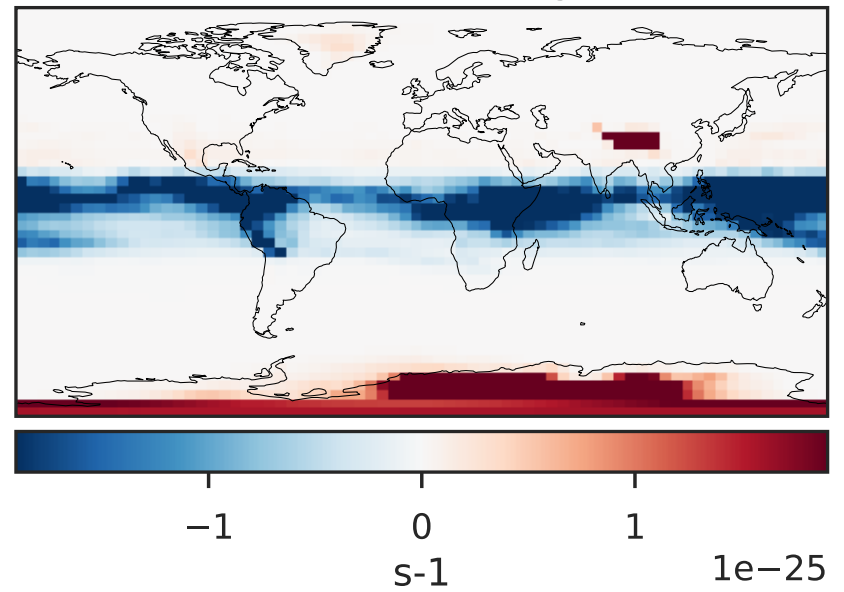
14.3.0-rc.0 (Dev)
4.0x5.0



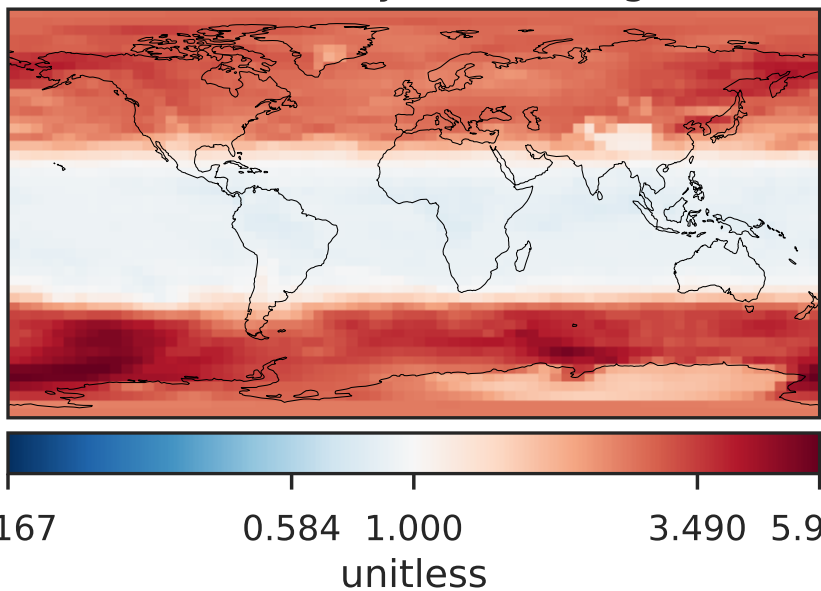
Difference
Dev - Ref, Dynamic Range



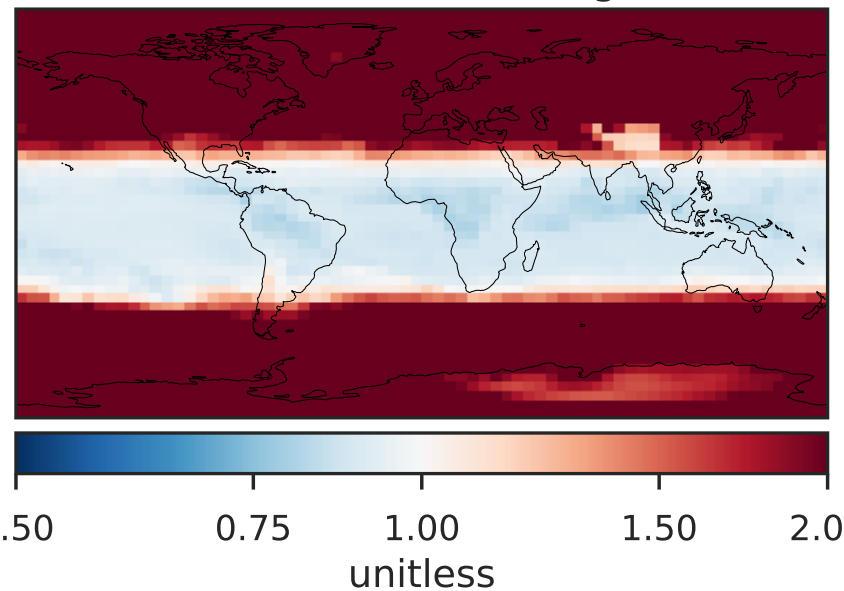
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

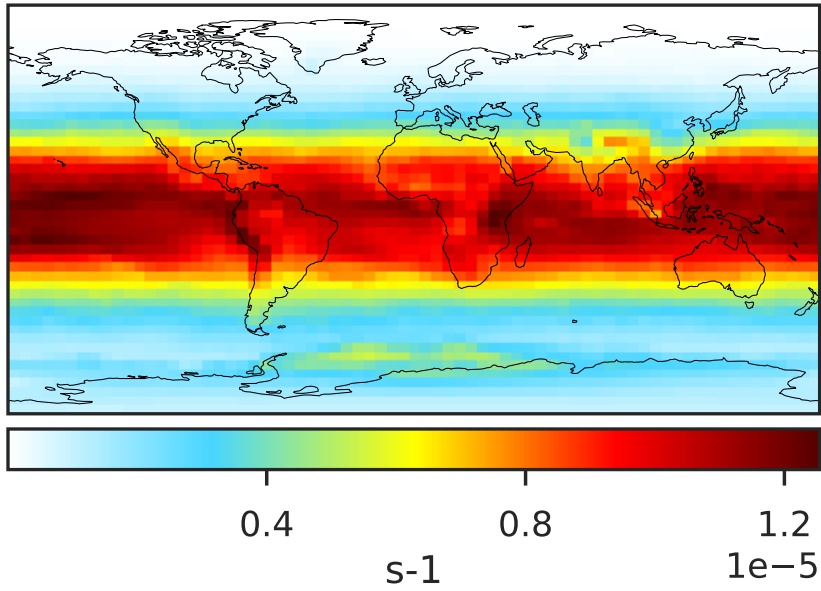


Ratio
Dev/Ref, Fixed Range

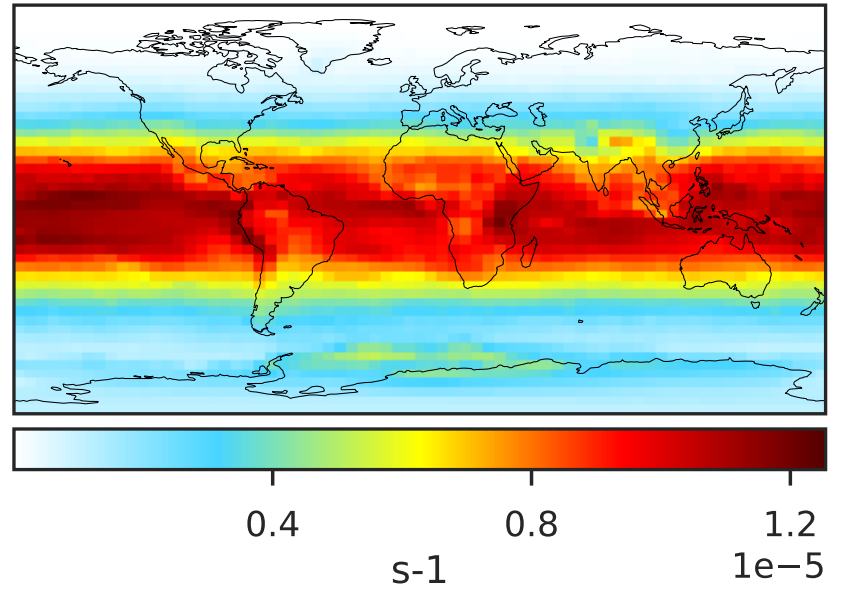


Jval_O3 (Oct2019)

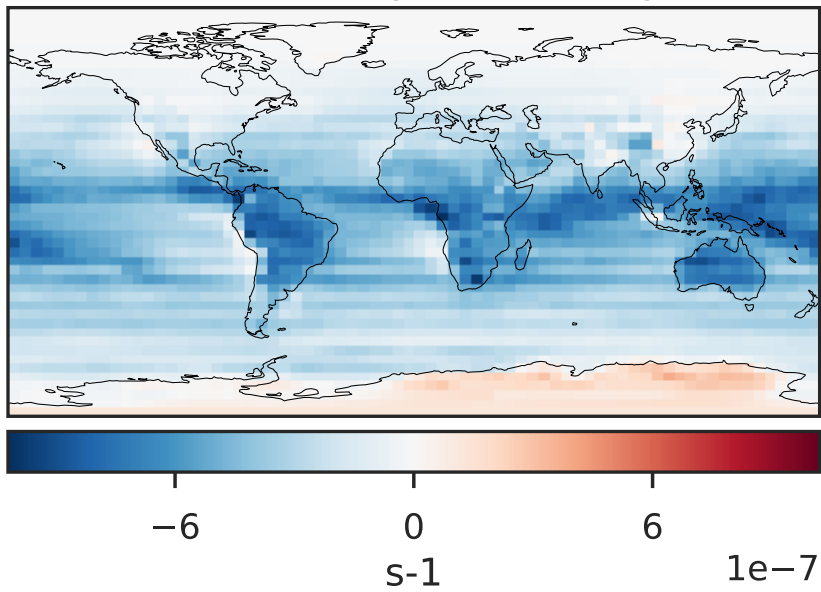
14.2.0-rc.2 (Ref)
4.0x5.0



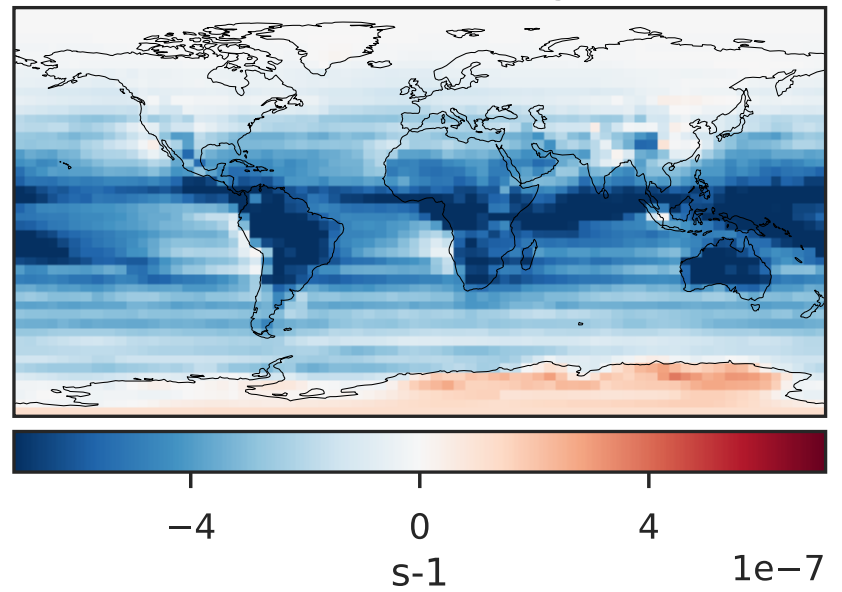
14.3.0-rc.0 (Dev)
4.0x5.0



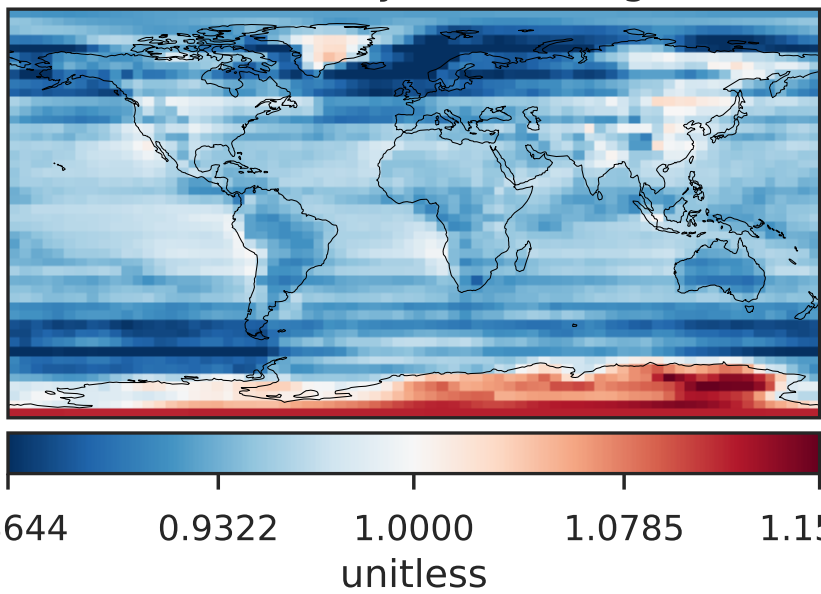
Difference
Dev - Ref, Dynamic Range



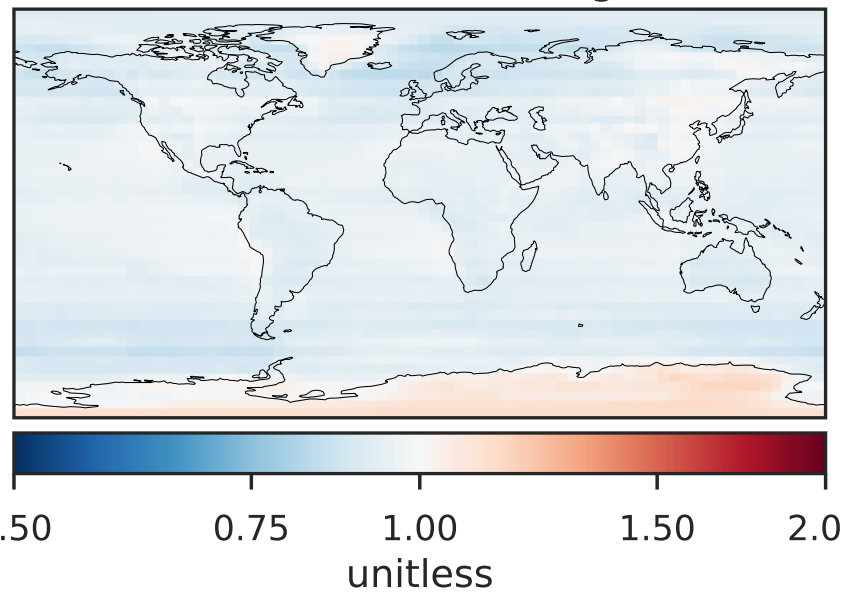
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

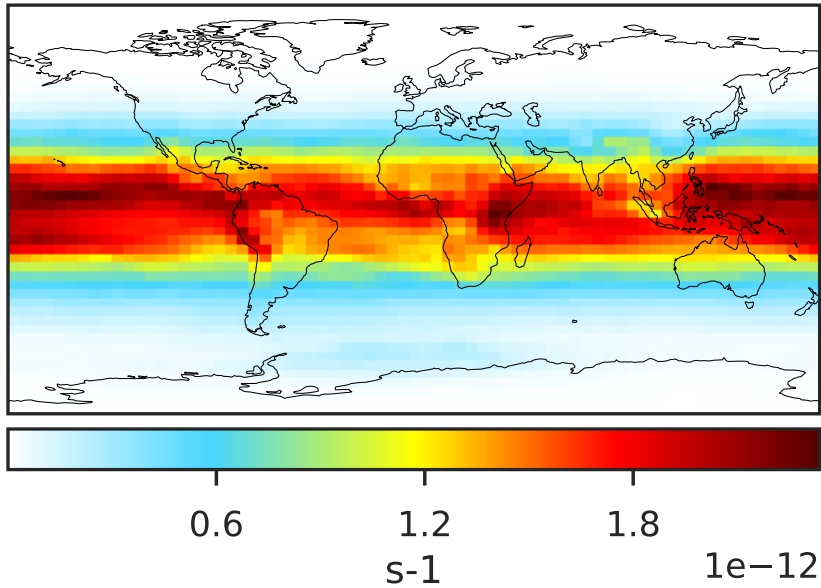


Ratio
Dev/Ref, Fixed Range

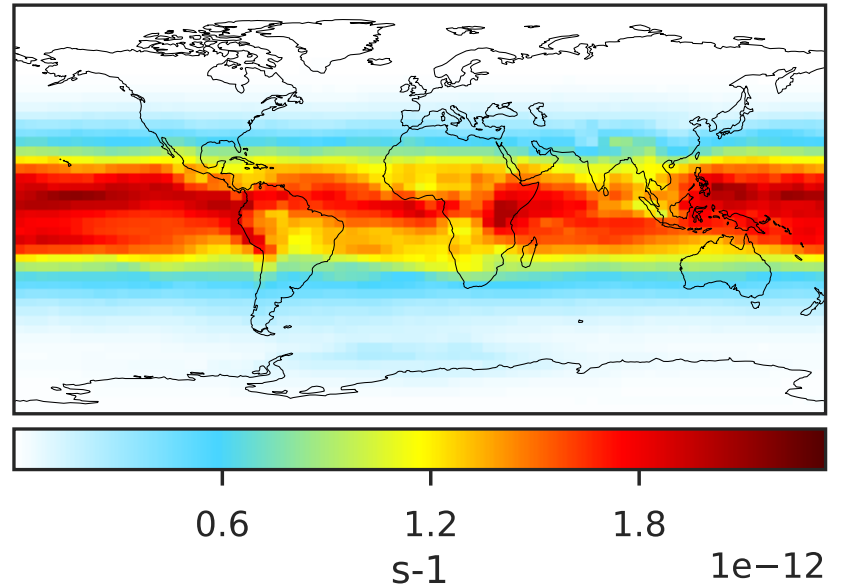


Jval_OCS (Oct2019)

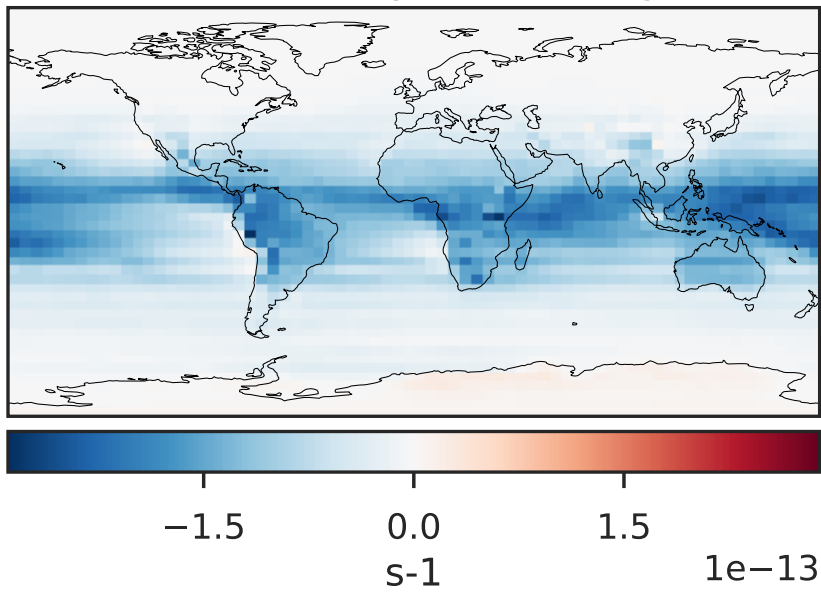
14.2.0-rc.2 (Ref)
4.0x5.0



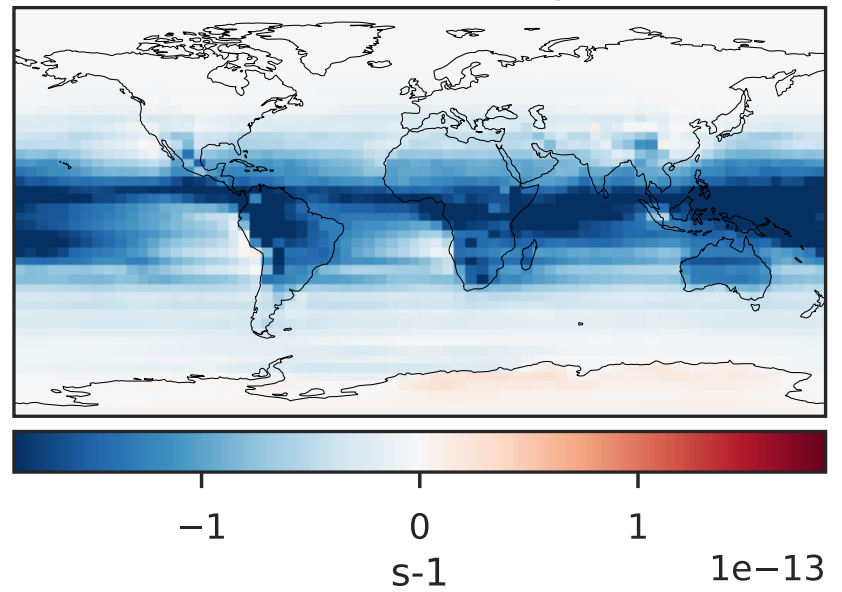
14.3.0-rc.0 (Dev)
4.0x5.0



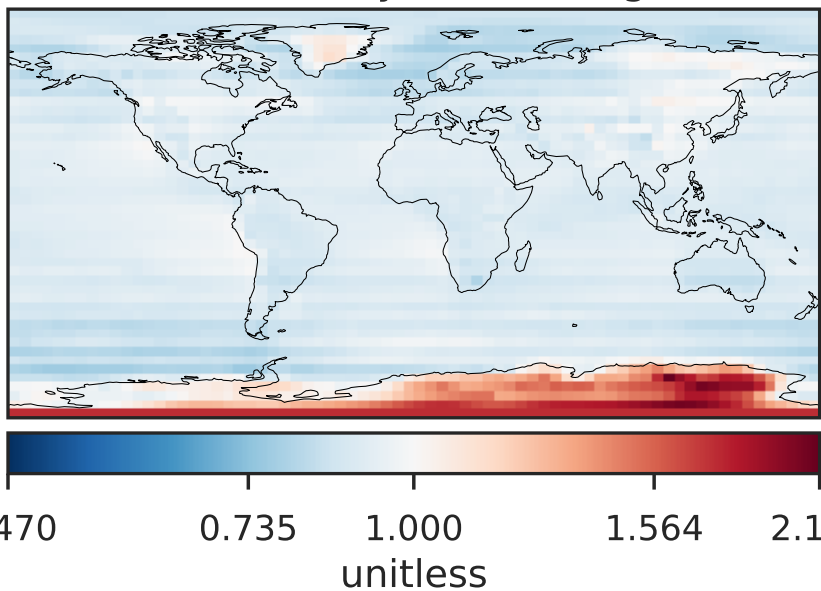
Difference
Dev - Ref, Dynamic Range



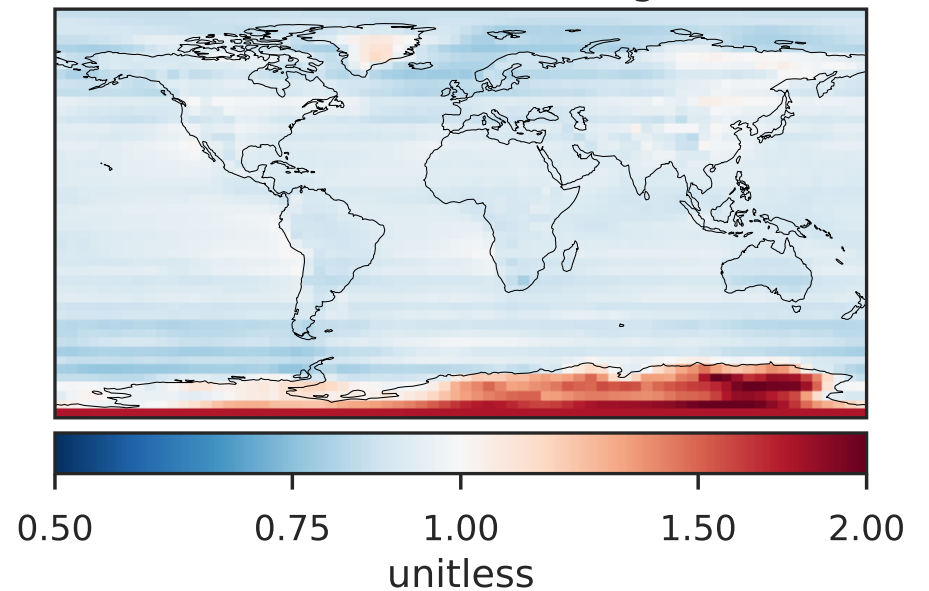
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

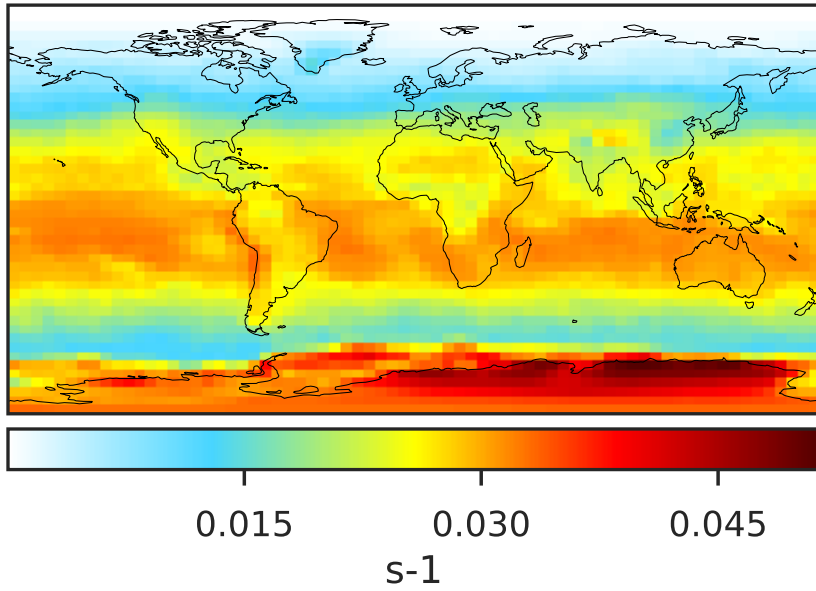


Ratio
Dev/Ref, Fixed Range

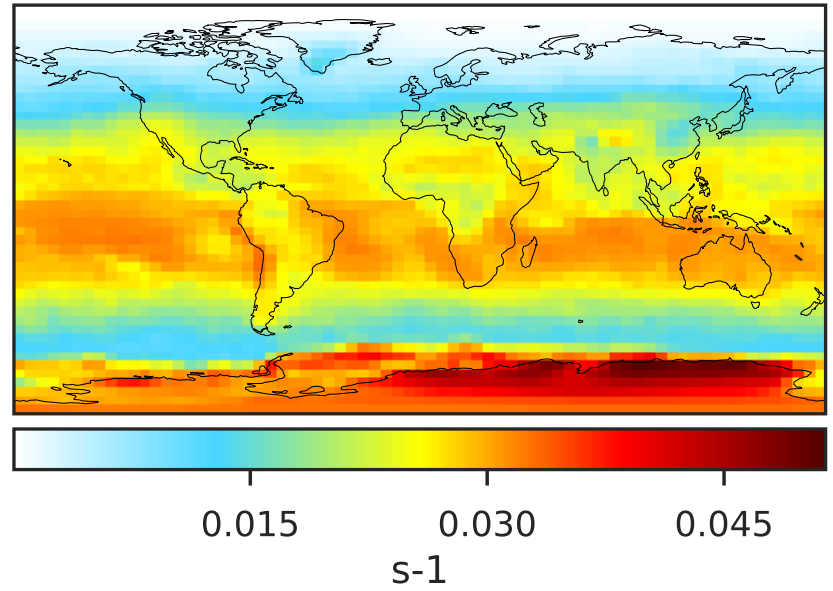


Jval_OCIO (Oct2019)

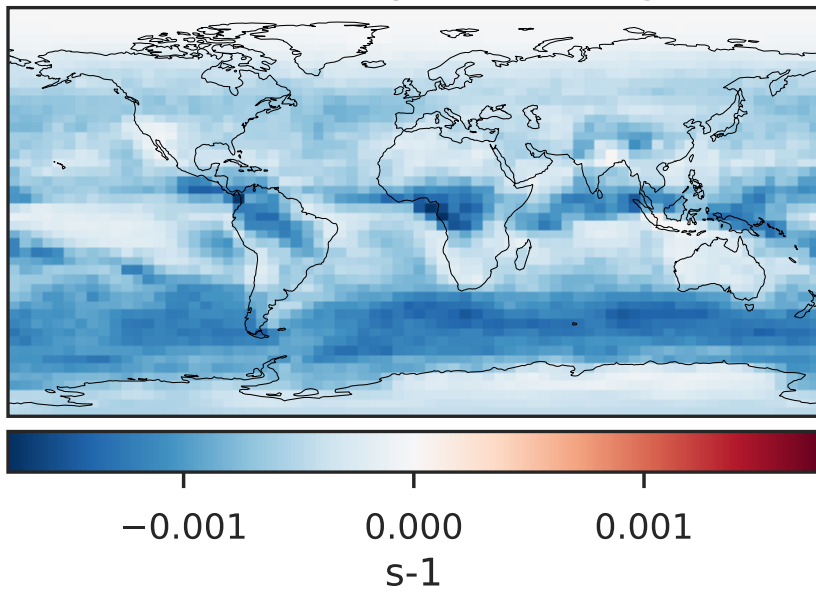
14.2.0-rc.2 (Ref)
4.0x5.0



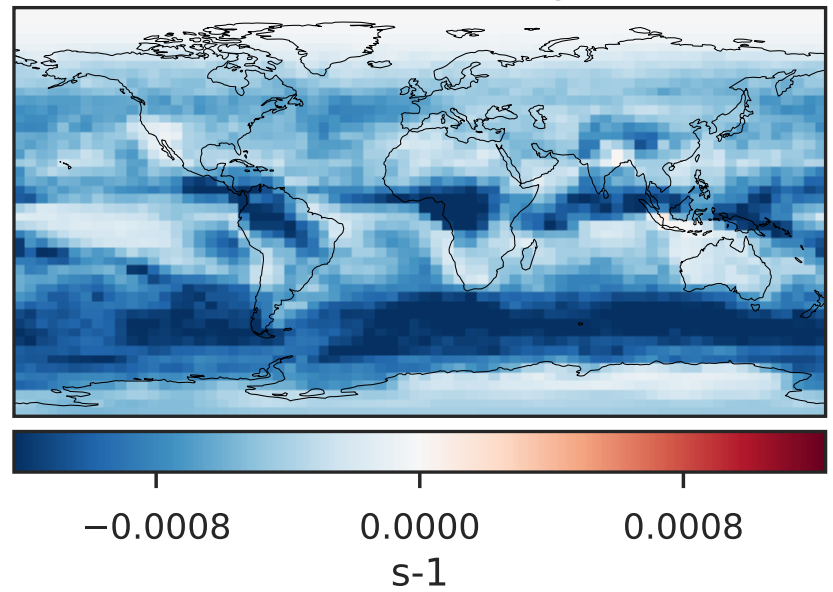
14.3.0-rc.0 (Dev)
4.0x5.0



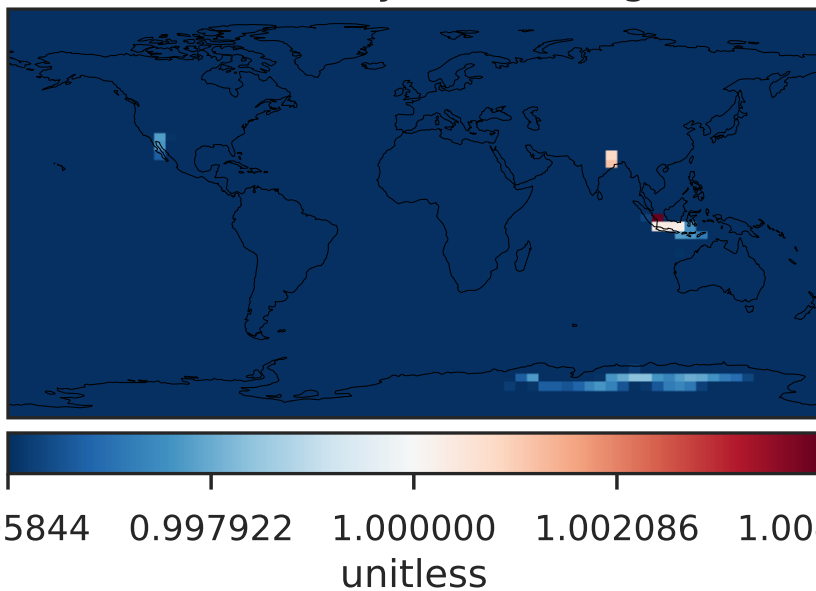
Difference
Dev - Ref, Dynamic Range



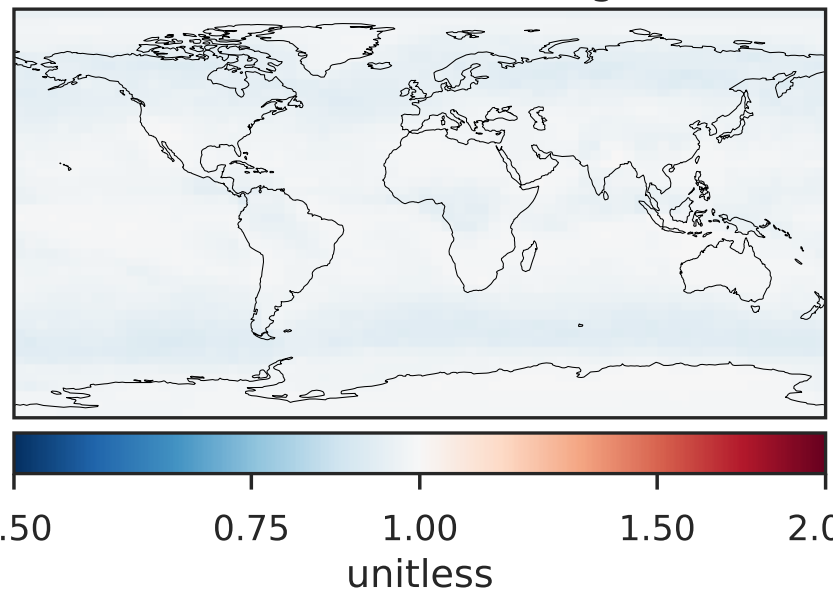
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range



Ratio
Dev/Ref, Fixed Range

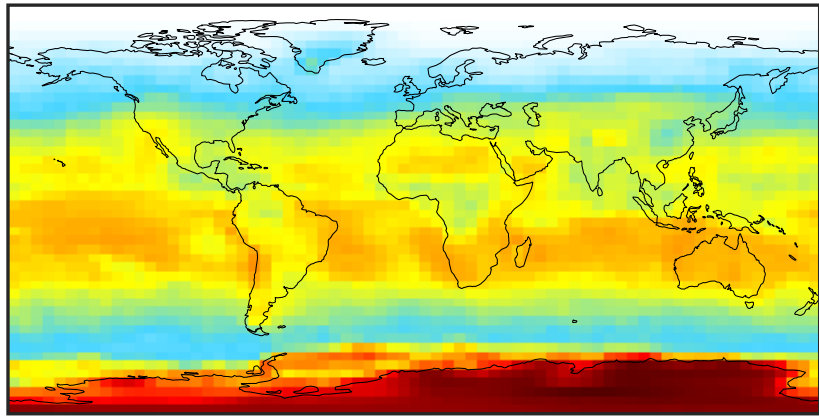


0.995844 0.997922 1.000000 1.002086 1.004173
unitless

0.50 0.75 1.00 1.50 2.00
unitless

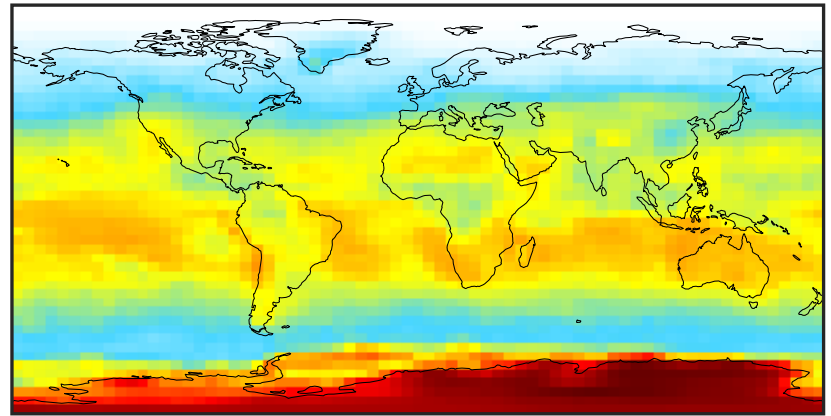
Jval_OIO (Oct2019)

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



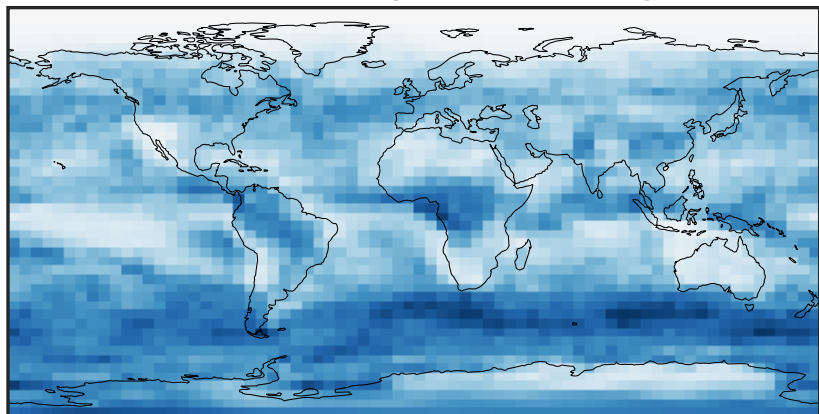
0.0001 0.0432 0.0863 0.1294 0.1726
s-1

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



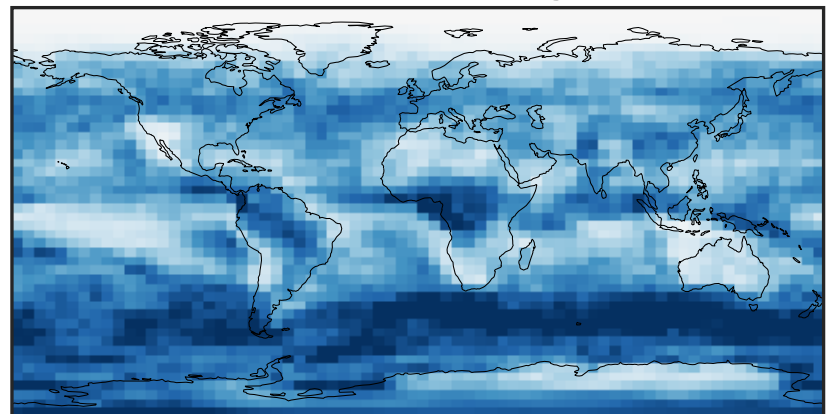
0.0001 0.0432 0.0863 0.1294 0.1726
s-1

Difference
Dev - Ref, Dynamic Range



-0.004 0.000 0.004
s-1

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



-0.003 0.000 0.003
s-1

Ratio
Dev/Ref, Dynamic Range



0.997648 0.998824 1.000000 1.001179 1.002357
unitless

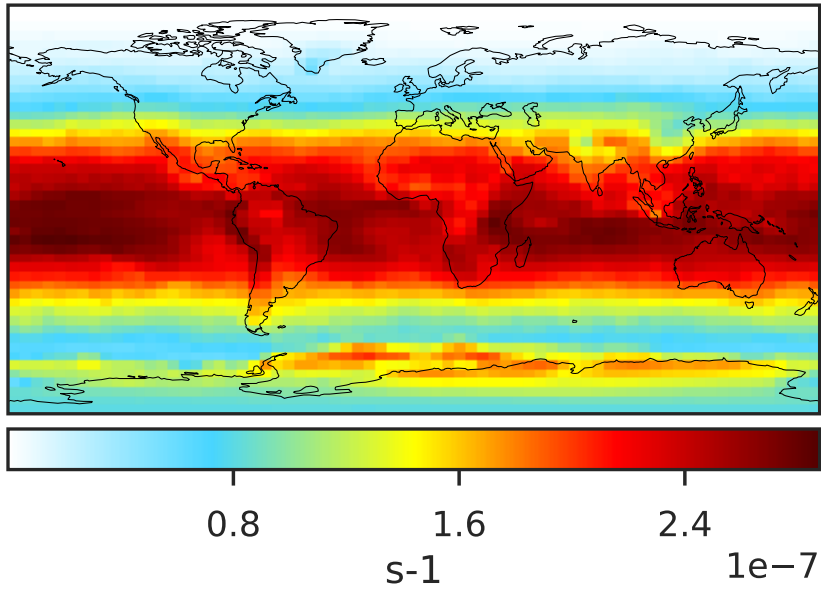
Ratio
Dev/Ref, Fixed Range



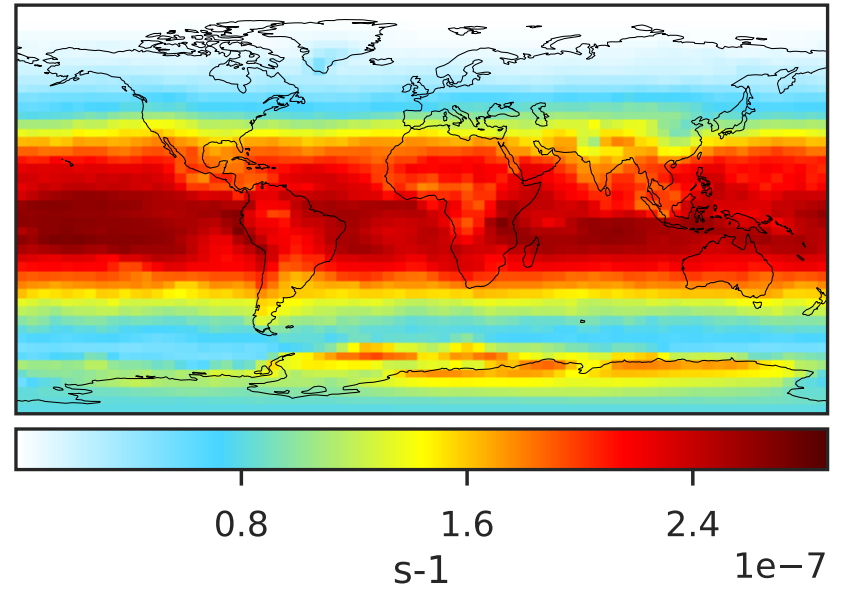
0.50 0.75 1.00 1.50 2.00
unitless

Jval_PAN (Oct2019)

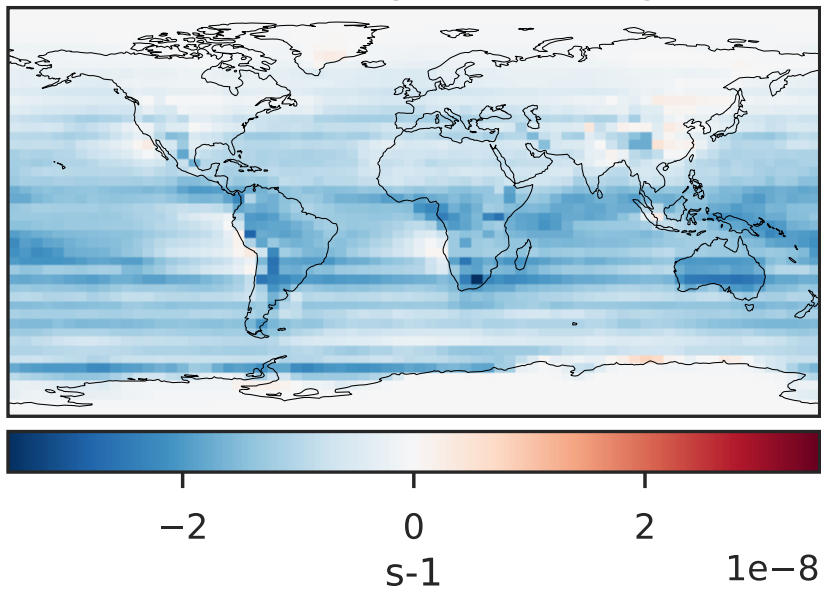
14.2.0-rc.2 (Ref)
4.0x5.0



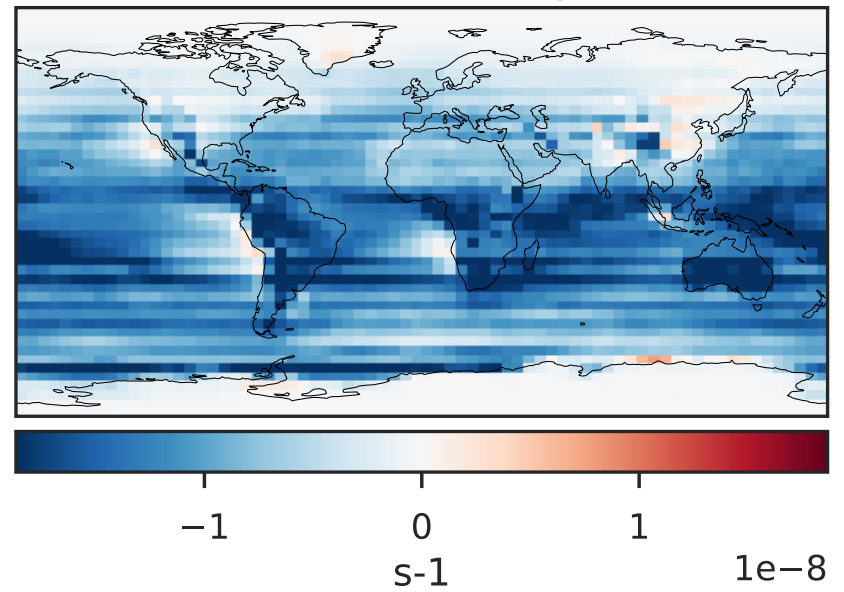
14.3.0-rc.0 (Dev)
4.0x5.0



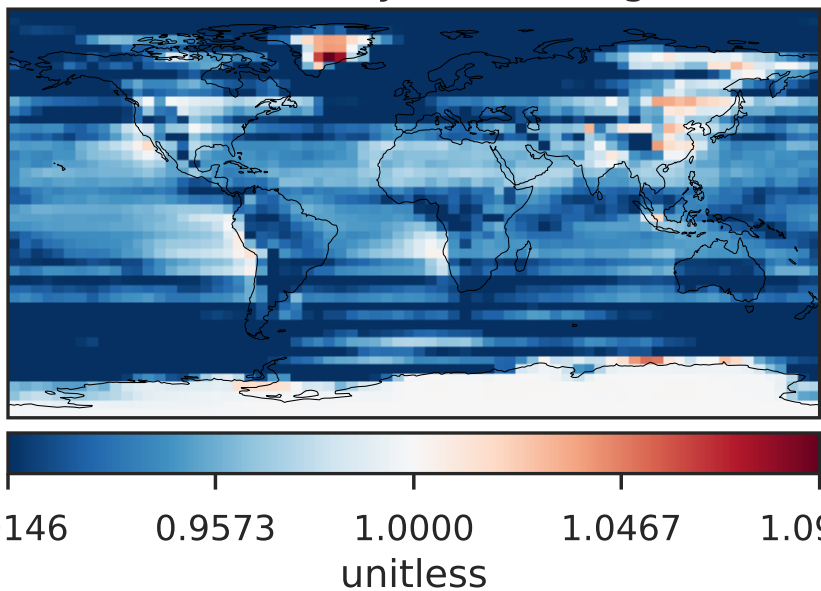
Difference
Dev - Ref, Dynamic Range



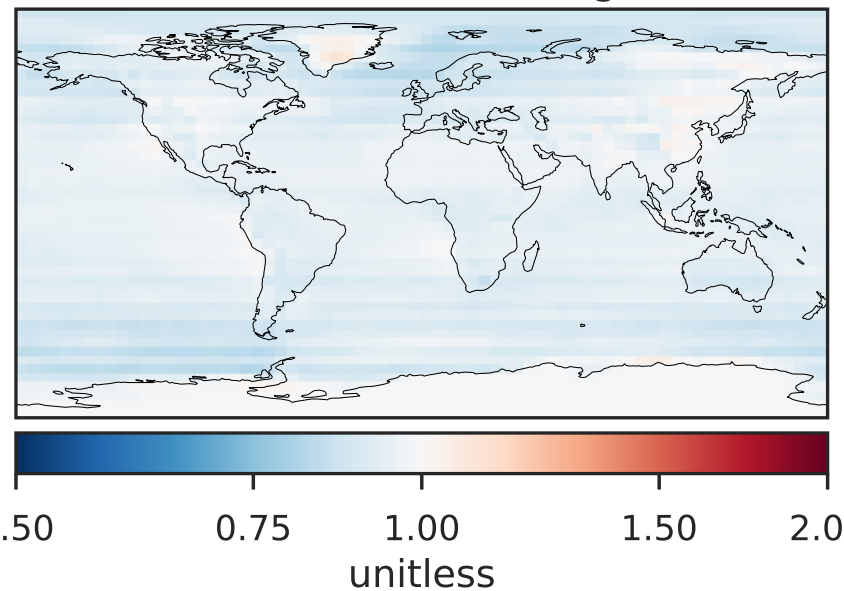
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

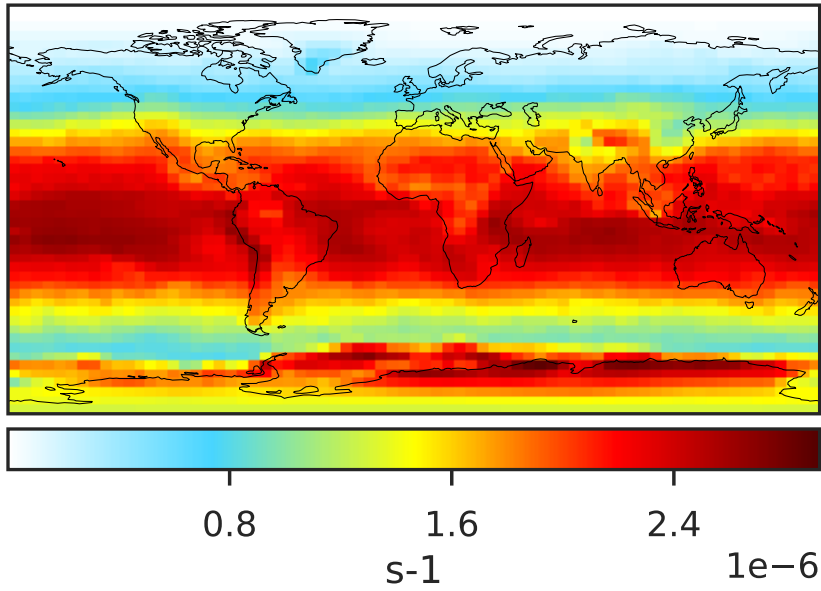


Ratio
Dev/Ref, Fixed Range

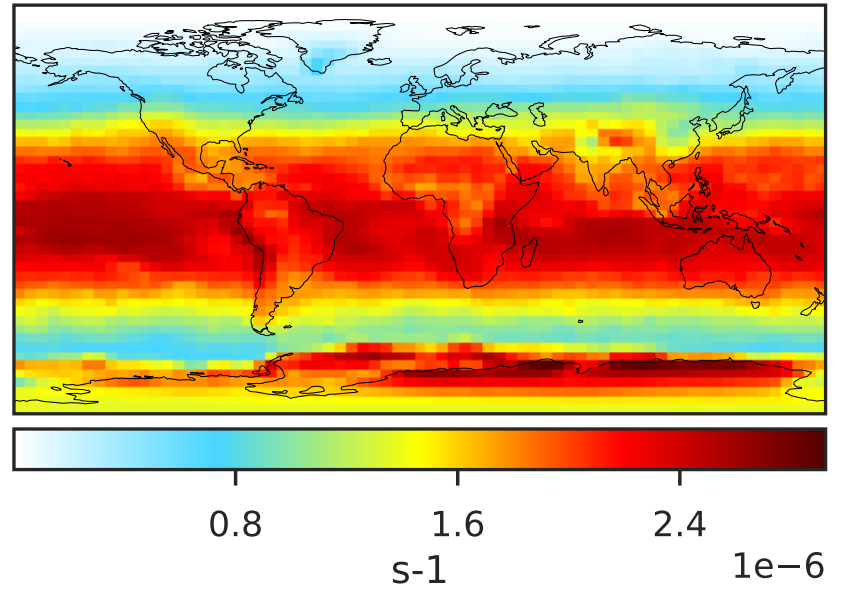


Jval_PIP (Oct2019)

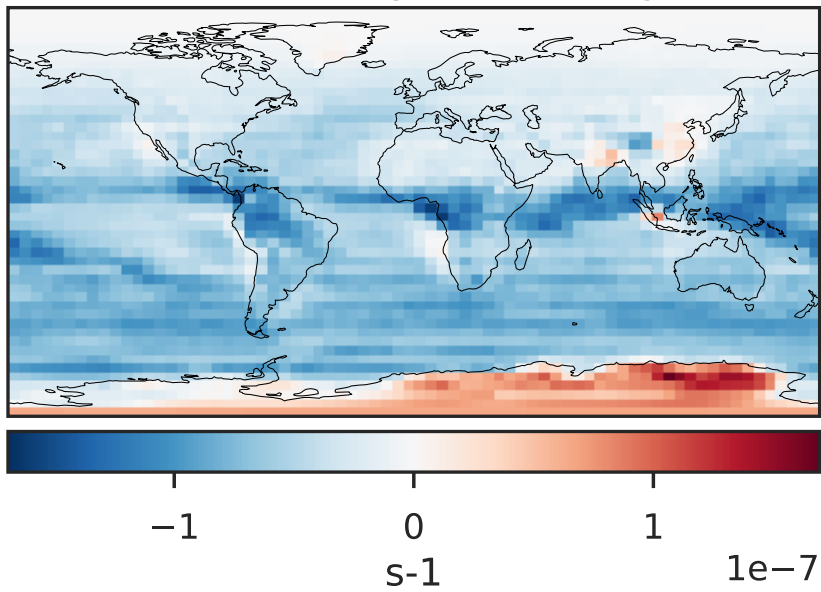
14.2.0-rc.2 (Ref)
4.0x5.0



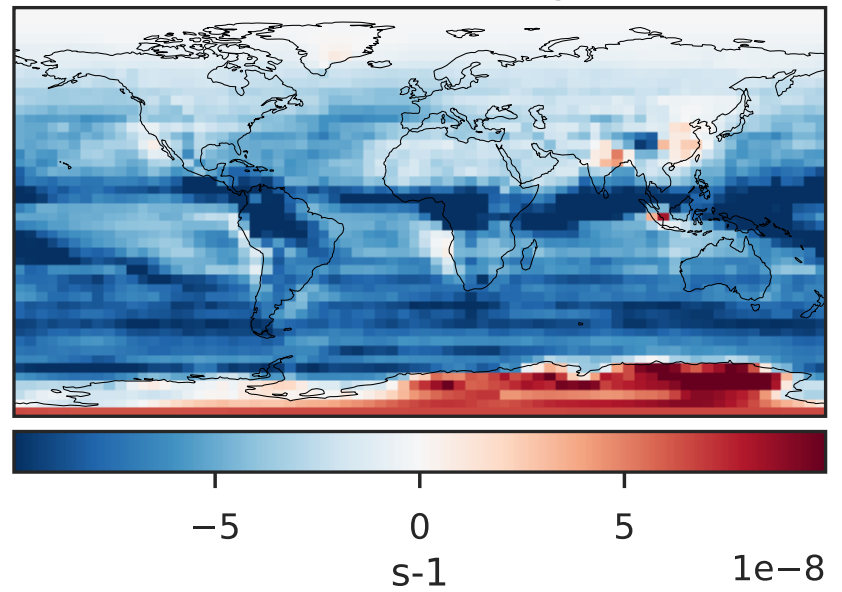
14.3.0-rc.0 (Dev)
4.0x5.0



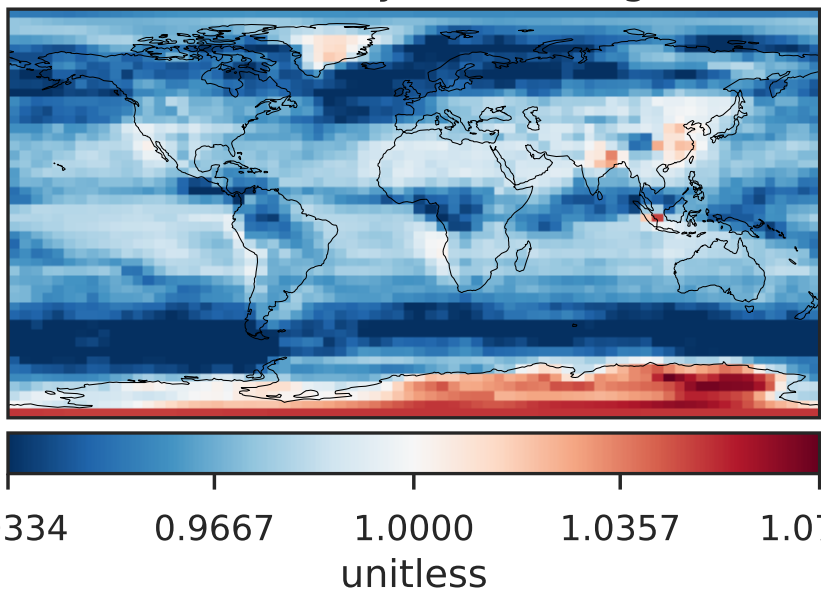
Difference
Dev - Ref, Dynamic Range



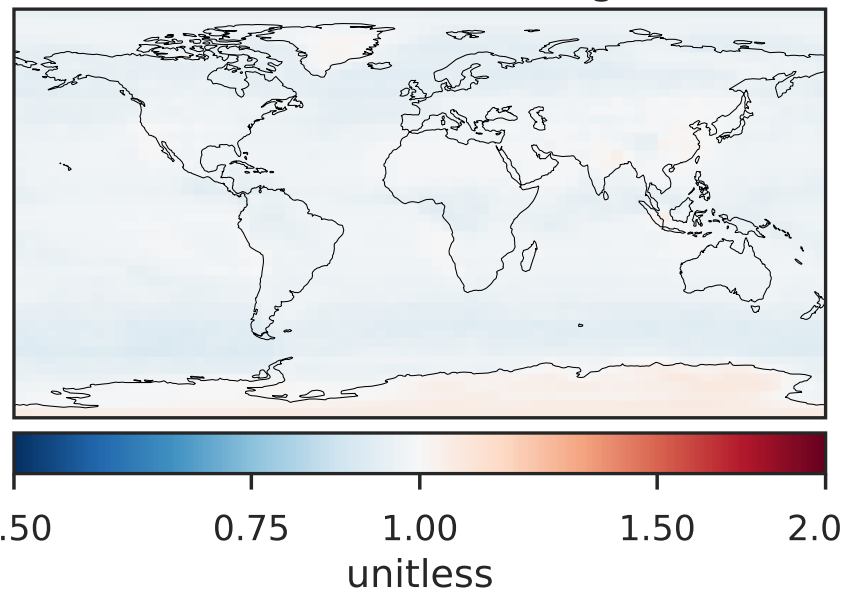
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

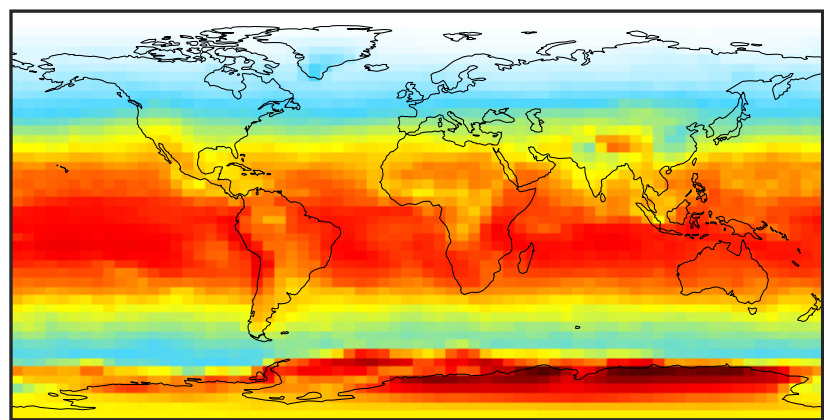


Ratio
Dev/Ref, Fixed Range



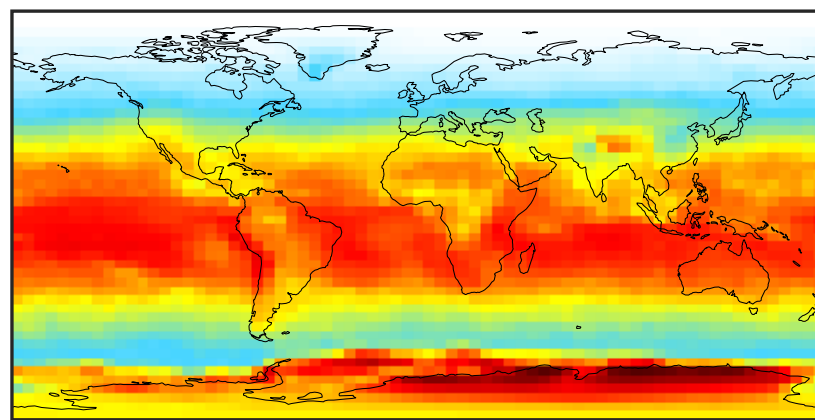
Jval_PP (Oct2019)

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



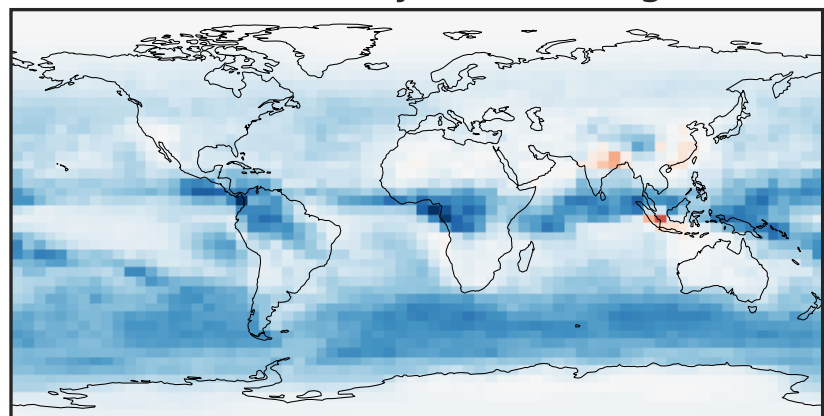
0.8 1.6 2.4
s-1 1e-6

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



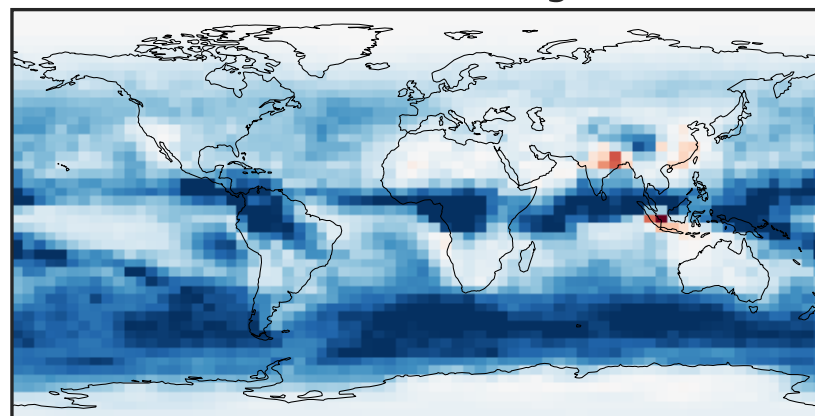
0.8 1.6 2.4
s-1 1e-6

Difference
Dev - Ref, Dynamic Range



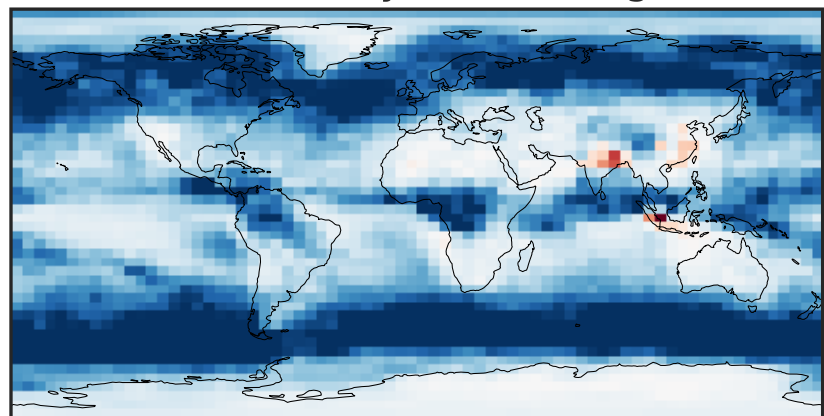
-6 0 6
s-1 1e-8

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



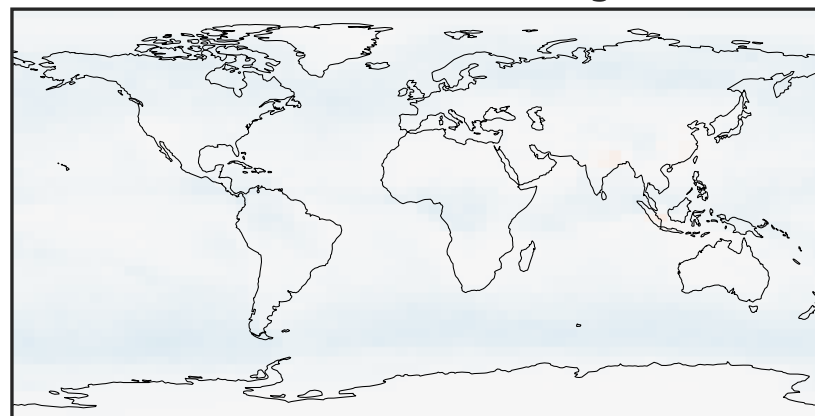
-4 0 4
s-1 1e-8

Ratio
Dev/Ref, Dynamic Range



0.95223 0.97611 1.00000 1.02508 1.05017
unitless

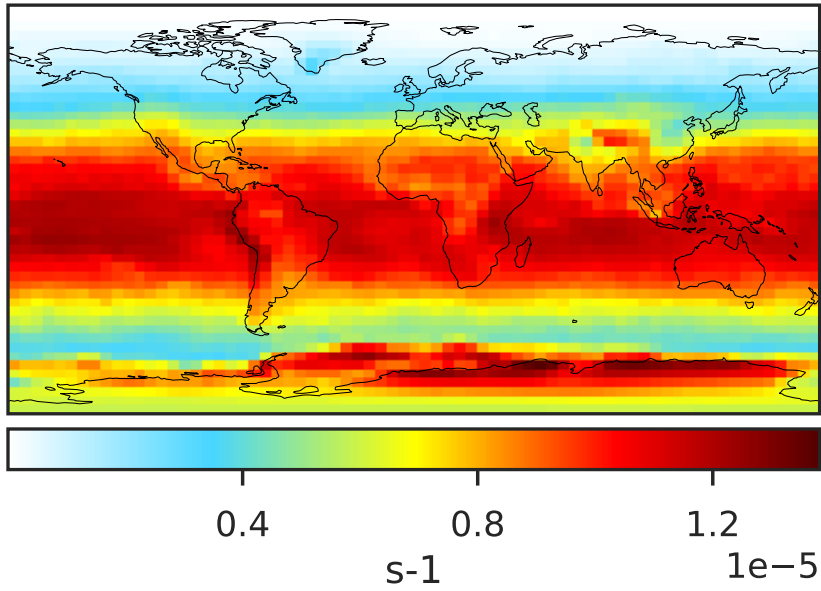
Ratio
Dev/Ref, Fixed Range



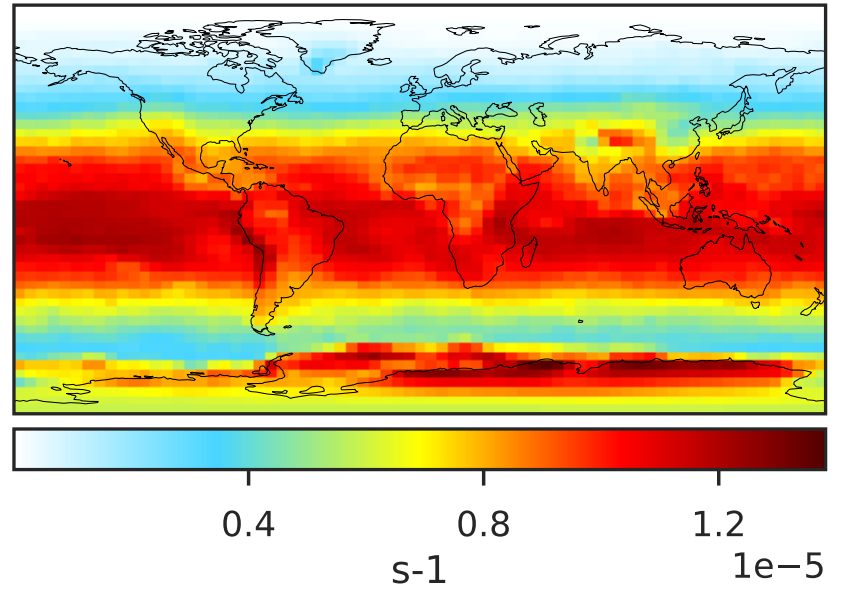
0.50 0.75 1.00 1.50 2.00
unitless

Jval_PROPNN (Oct2019)

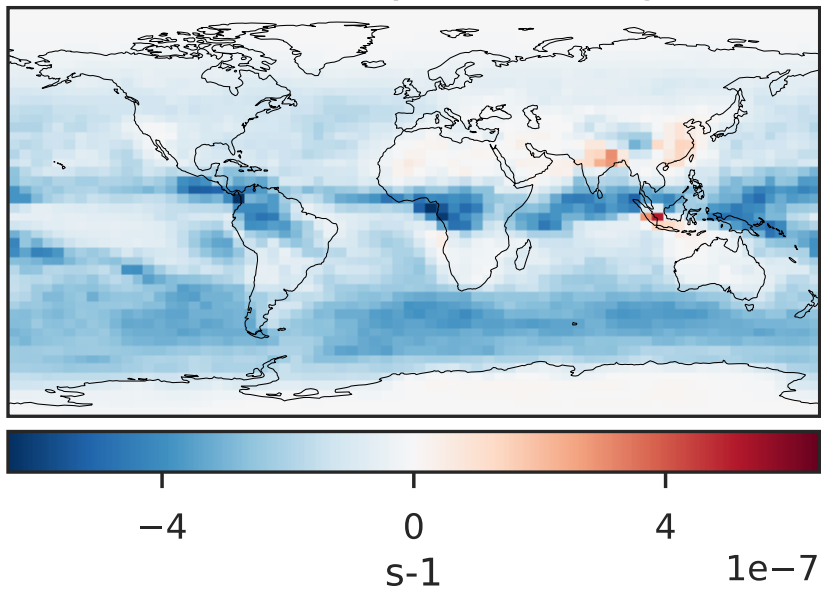
14.2.0-rc.2 (Ref)
4.0x5.0



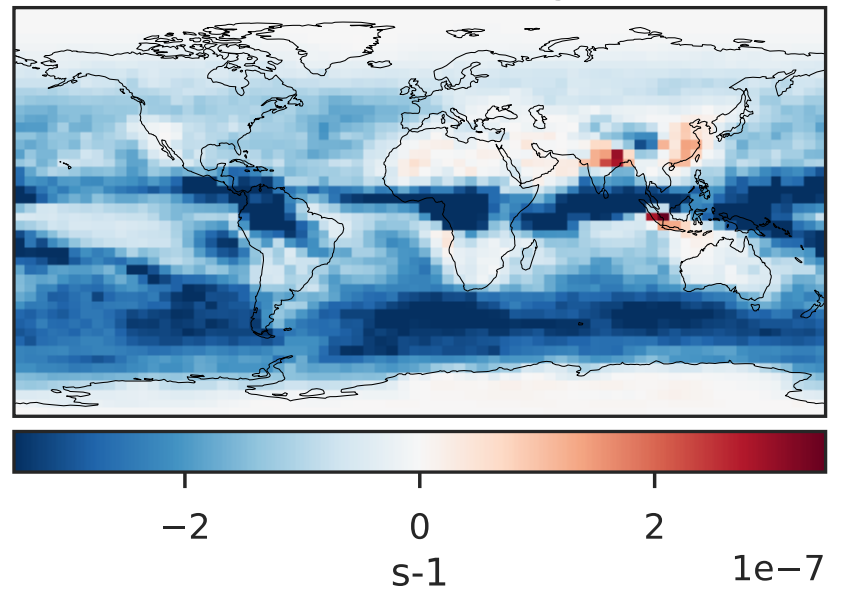
14.3.0-rc.0 (Dev)
4.0x5.0



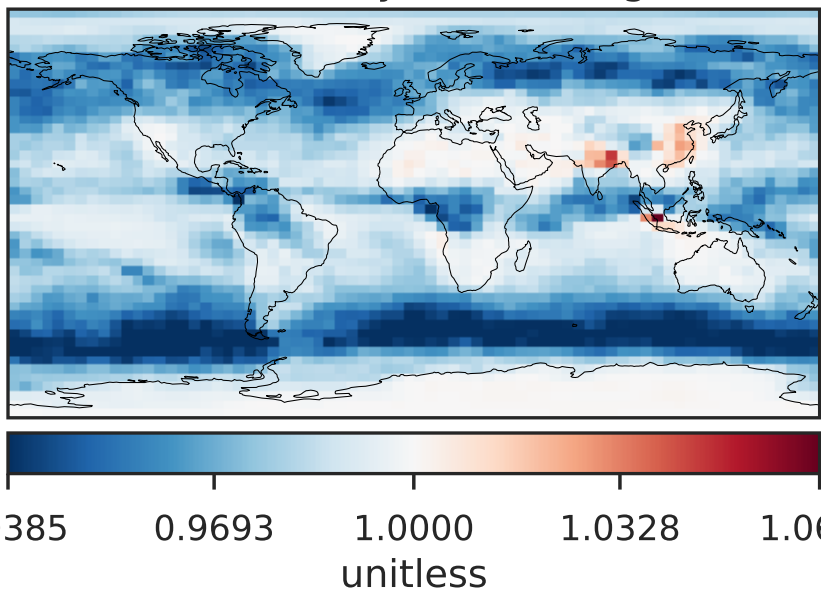
Difference
Dev - Ref, Dynamic Range



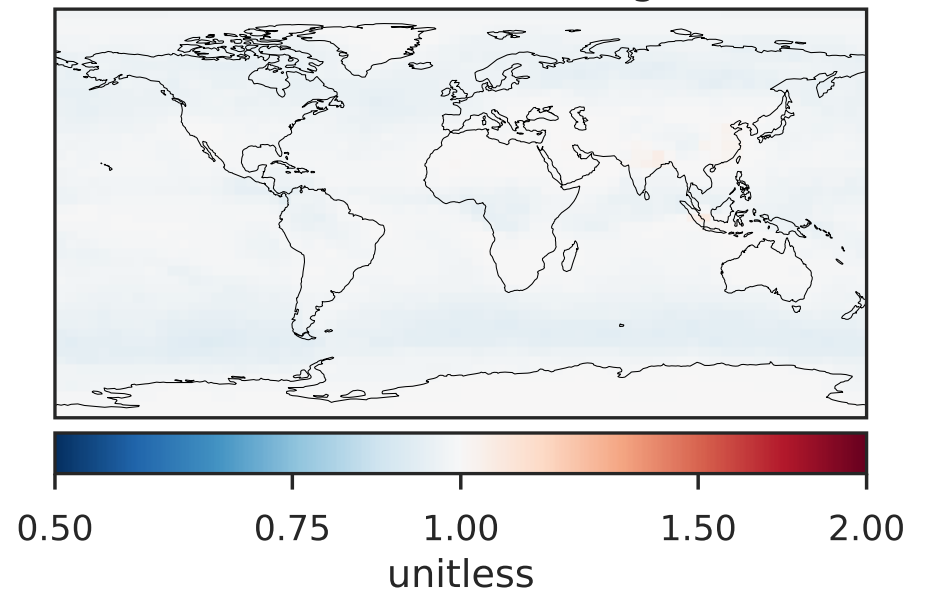
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

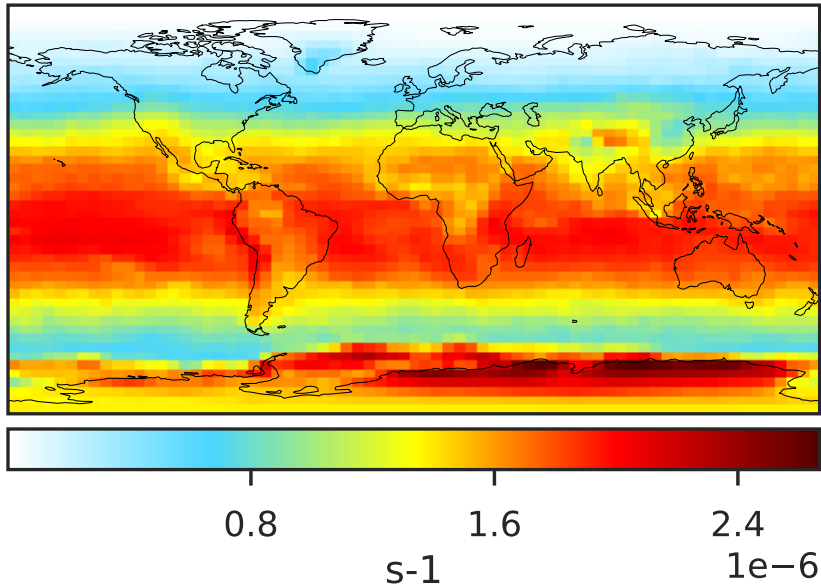


Ratio
Dev/Ref, Fixed Range

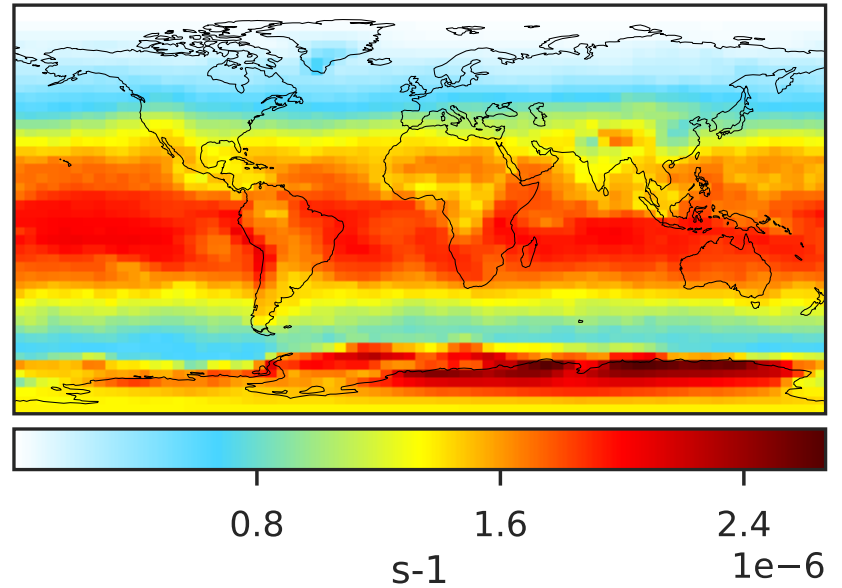


Jval_PRPN (Oct2019)

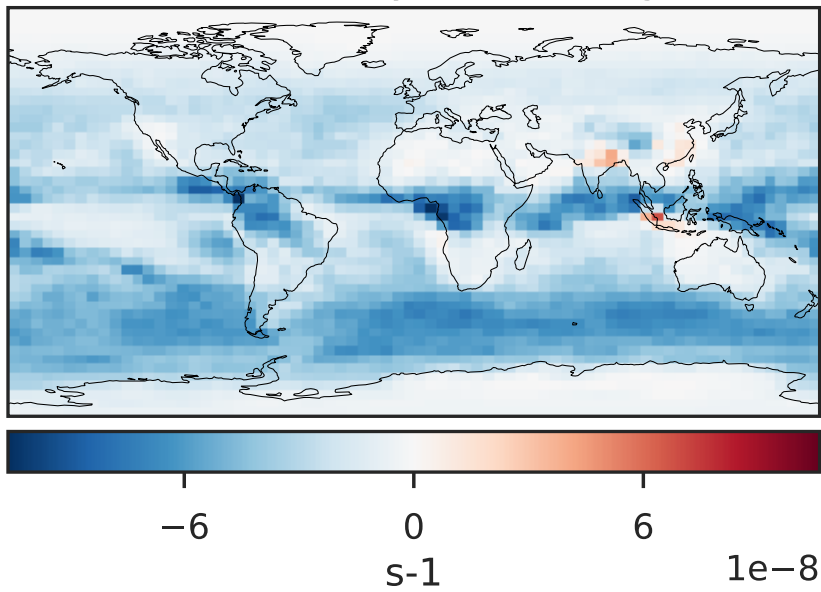
14.2.0-rc.2 (Ref)
4.0x5.0



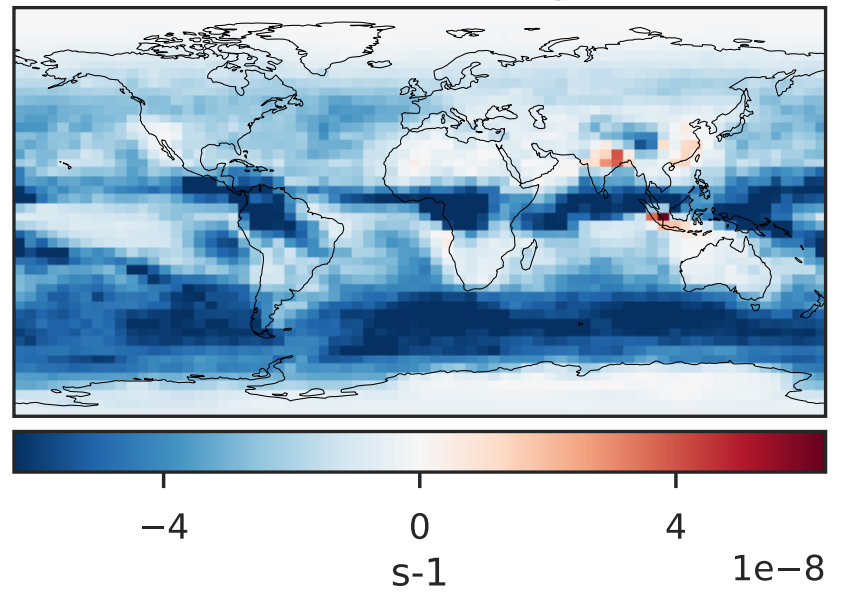
14.3.0-rc.0 (Dev)
4.0x5.0



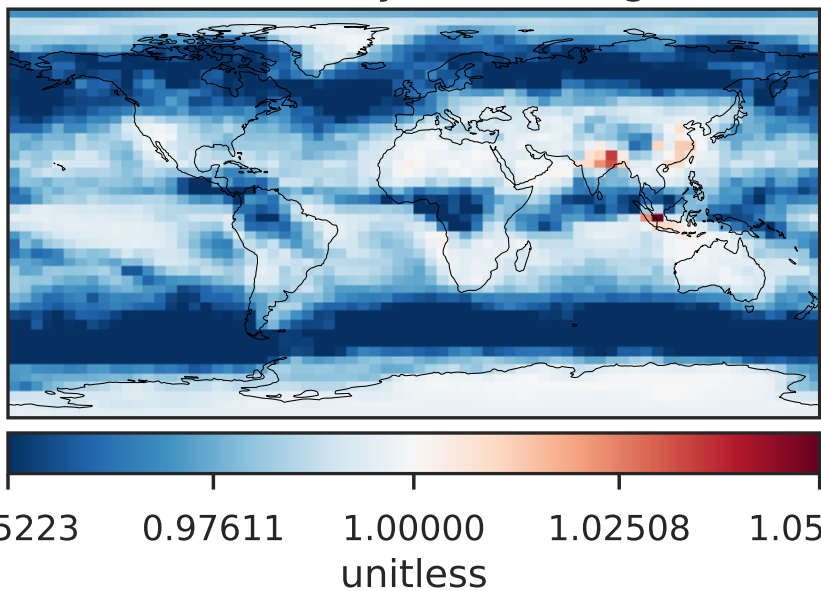
Difference
Dev - Ref, Dynamic Range



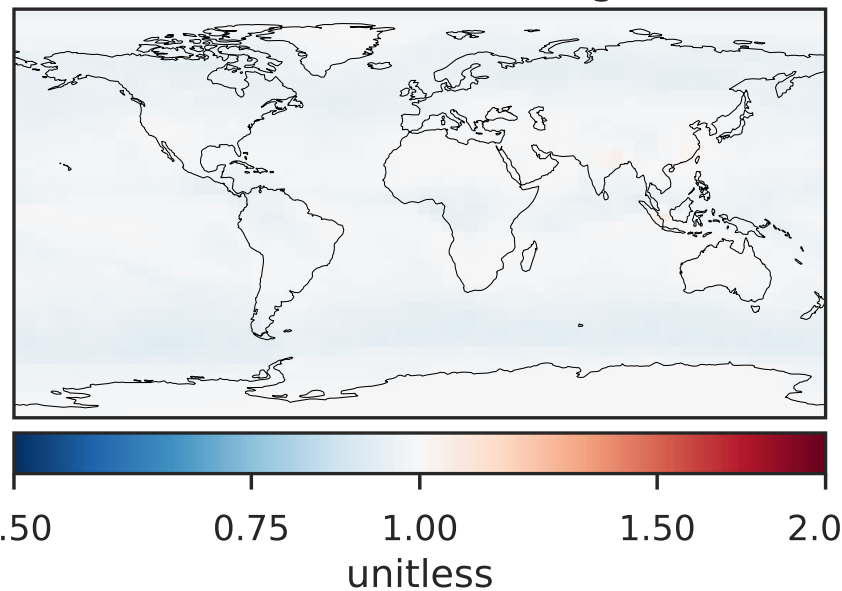
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

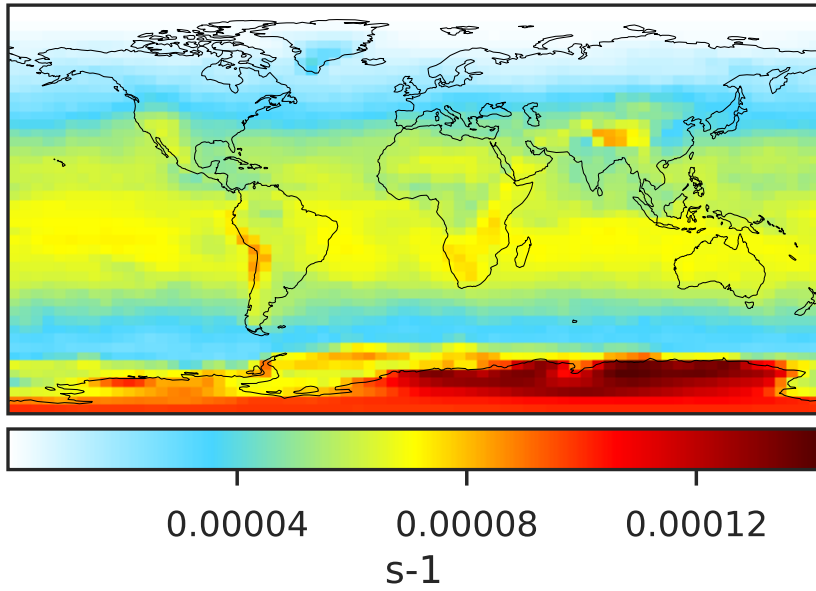


Ratio
Dev/Ref, Fixed Range

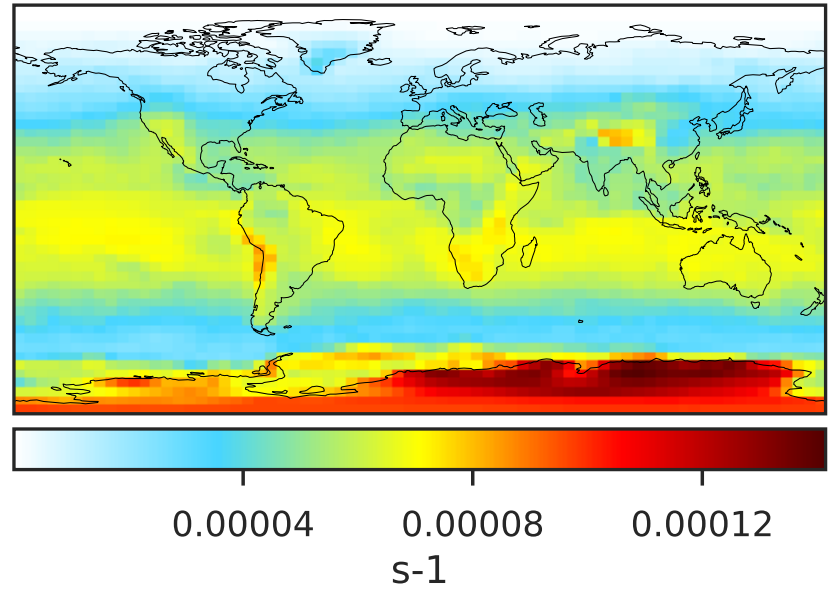


Jval_PYAC (Oct2019)

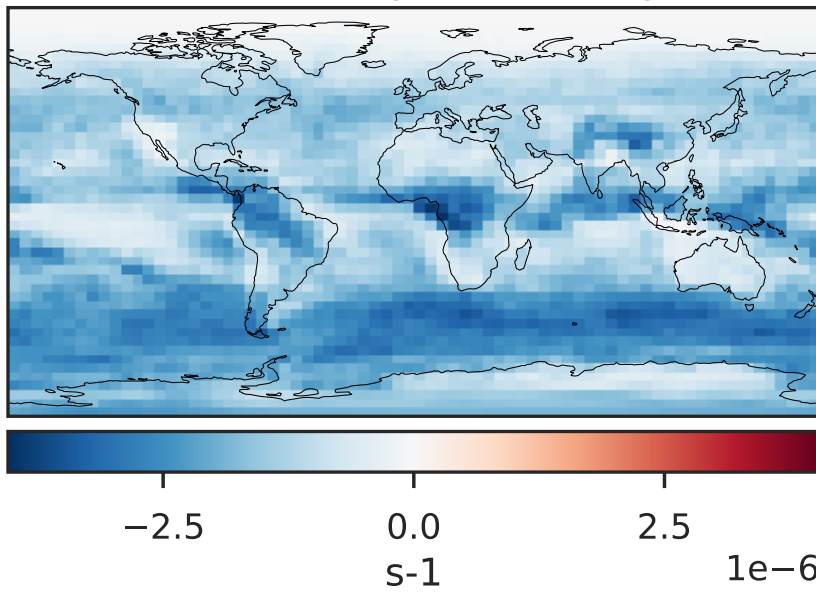
14.2.0-rc.2 (Ref)
4.0x5.0



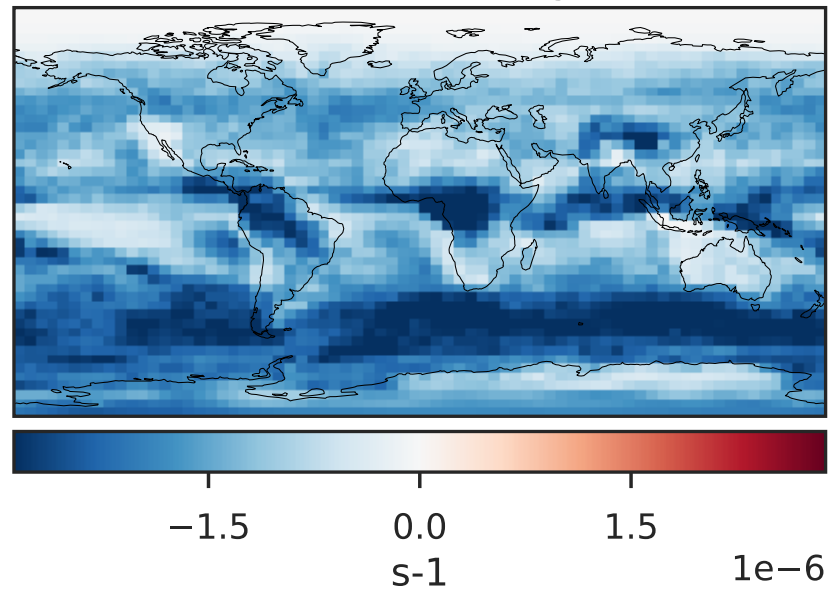
14.3.0-rc.0 (Dev)
4.0x5.0



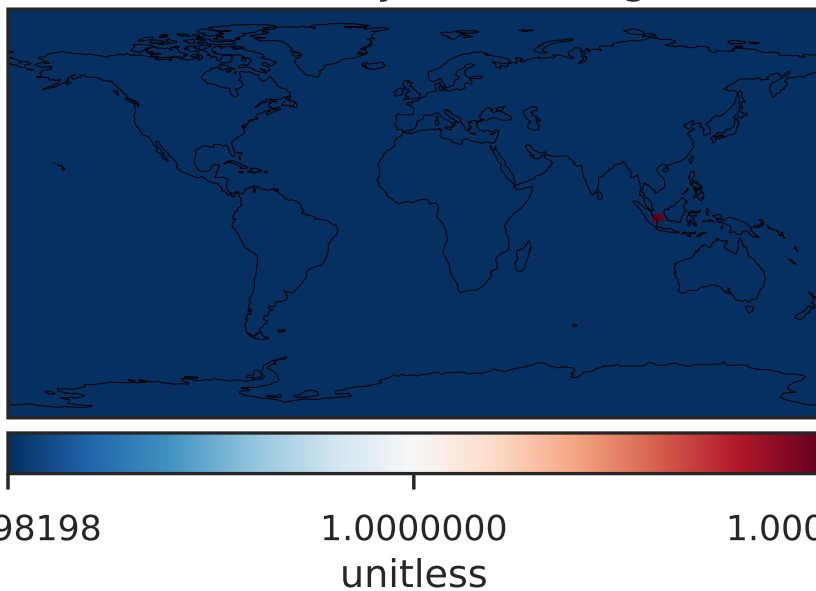
Difference
Dev - Ref, Dynamic Range



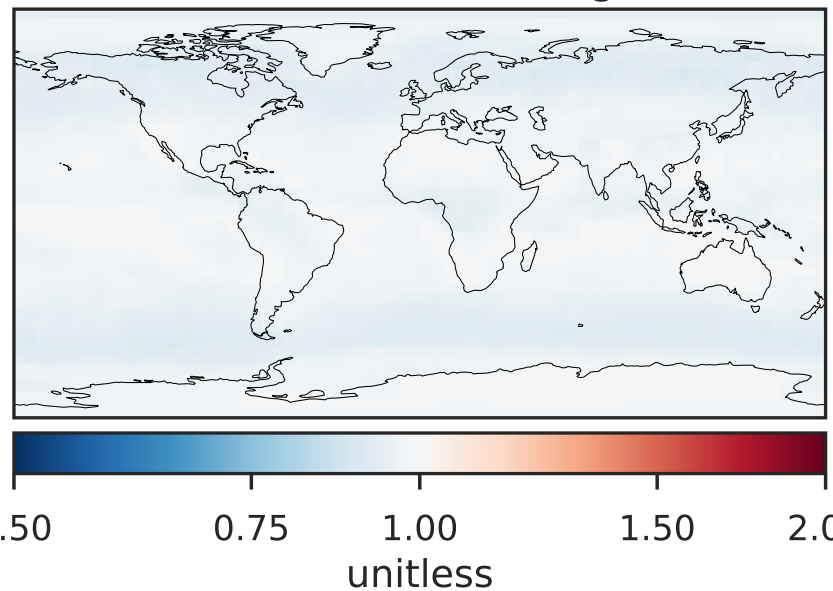
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

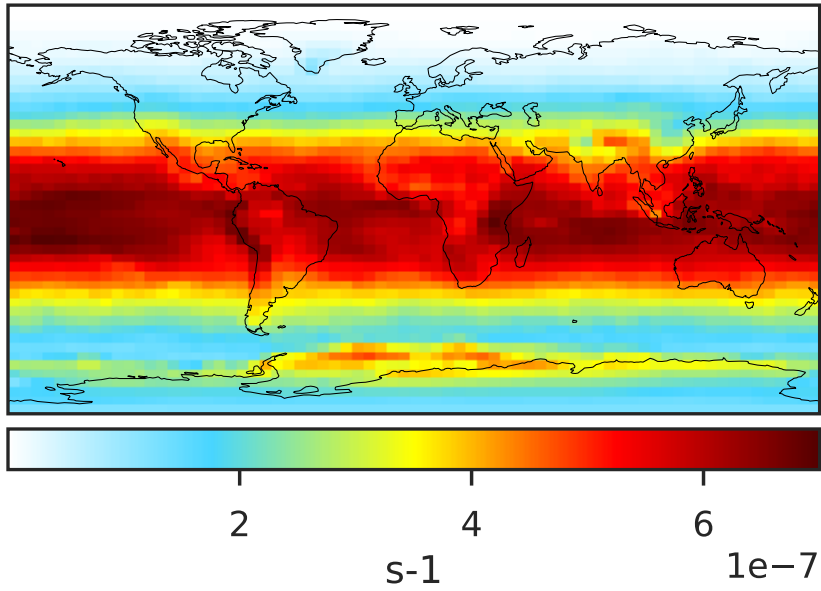


Ratio
Dev/Ref, Fixed Range

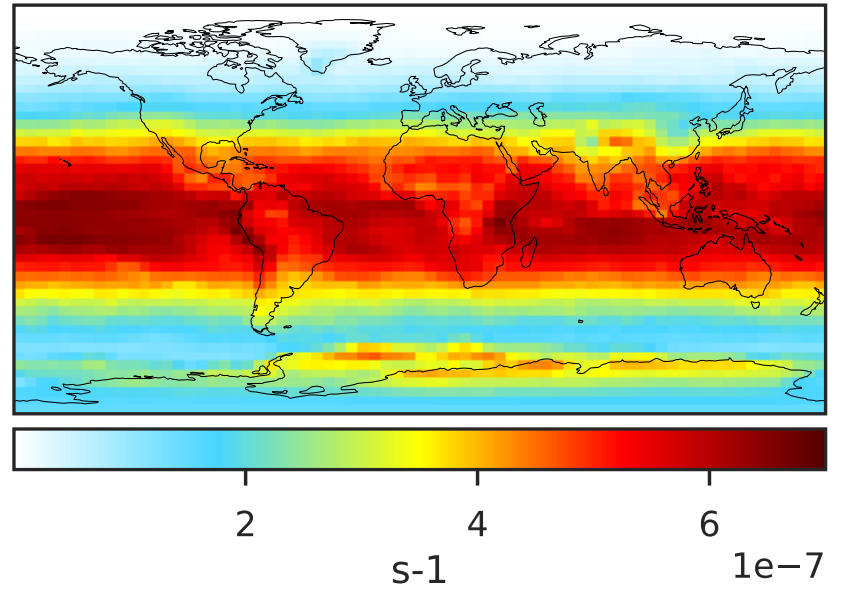


Jval_R4N2 (Oct2019)

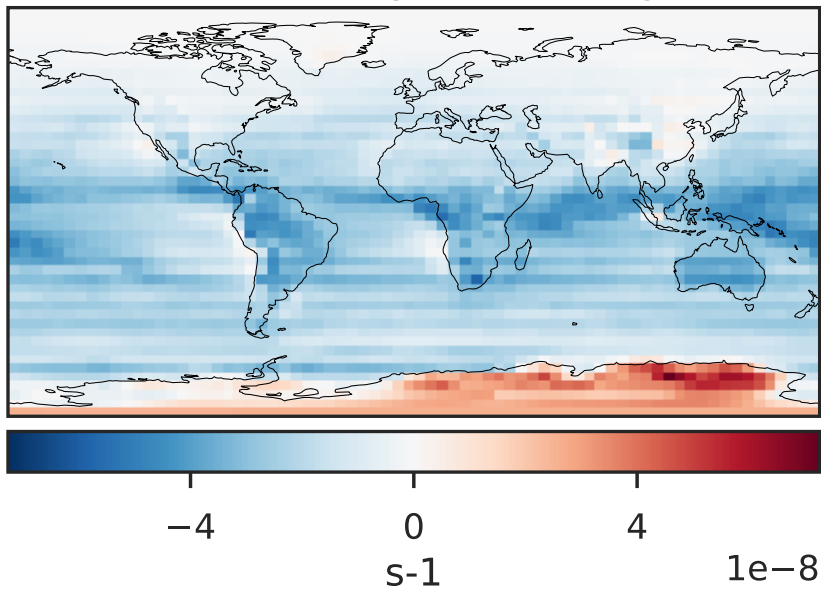
14.2.0-rc.2 (Ref)
4.0x5.0



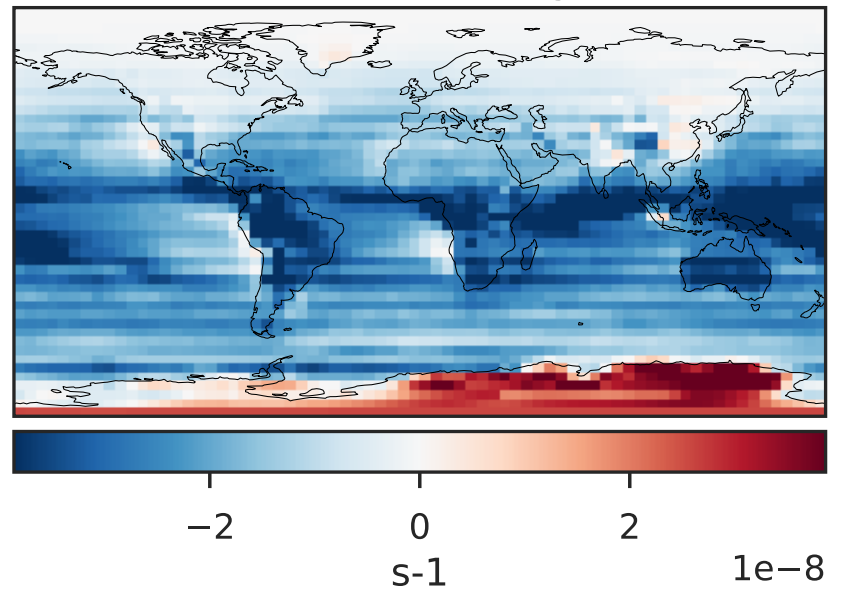
14.3.0-rc.0 (Dev)
4.0x5.0



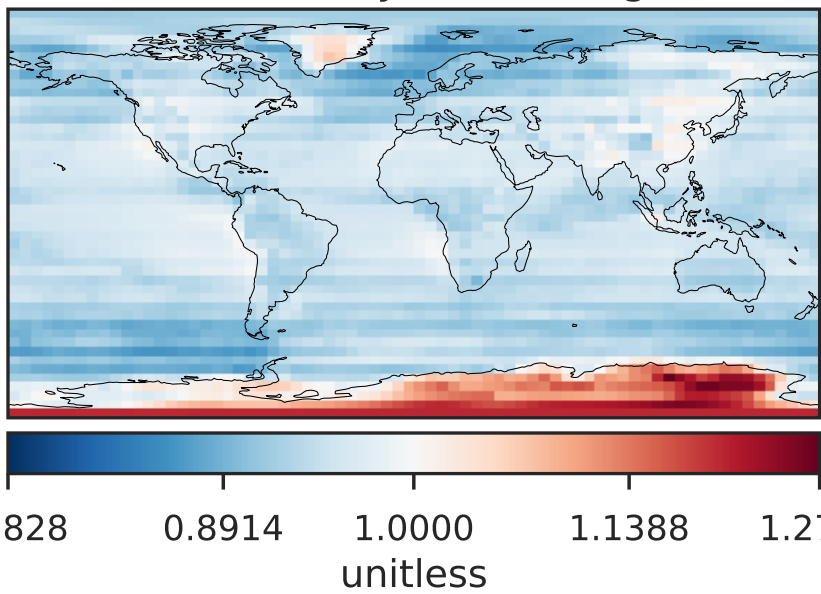
Difference
Dev - Ref, Dynamic Range



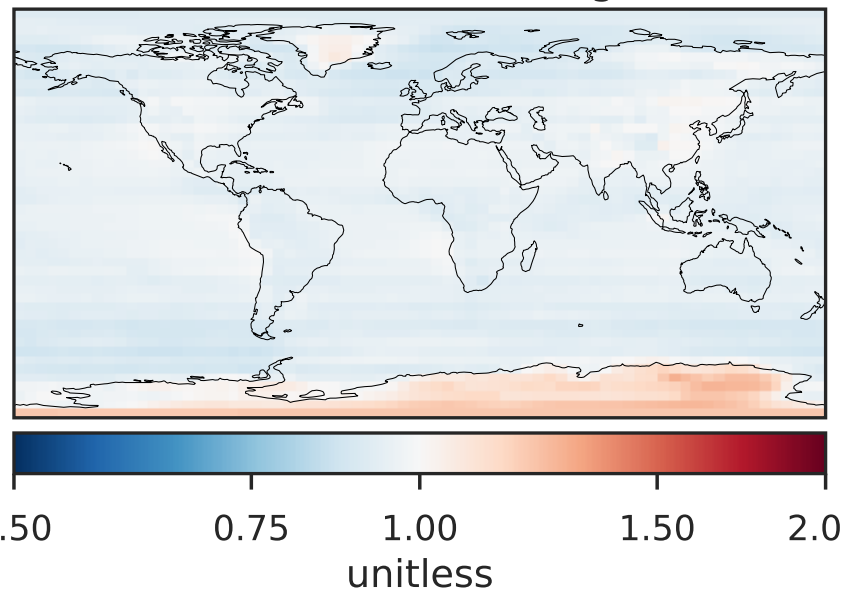
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

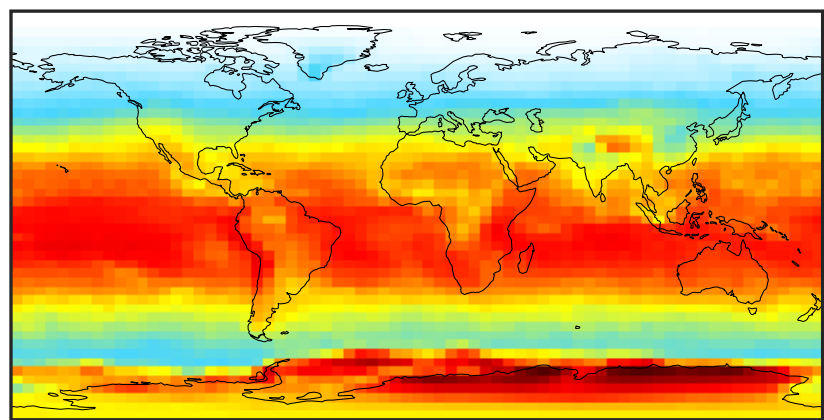


Ratio
Dev/Ref, Fixed Range



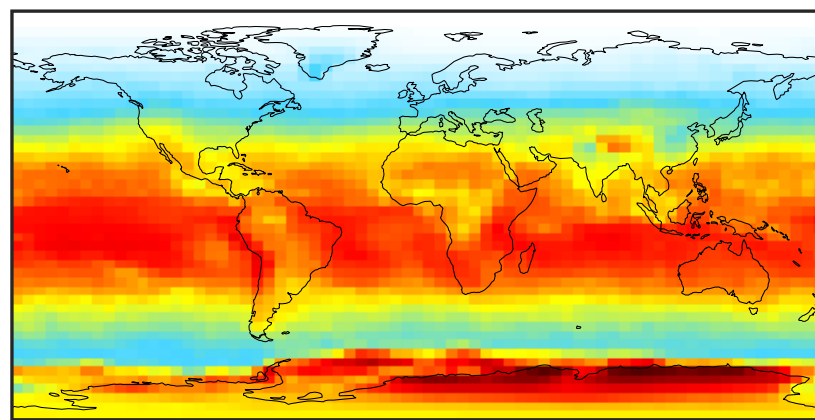
Jval_R4P (Oct2019)

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



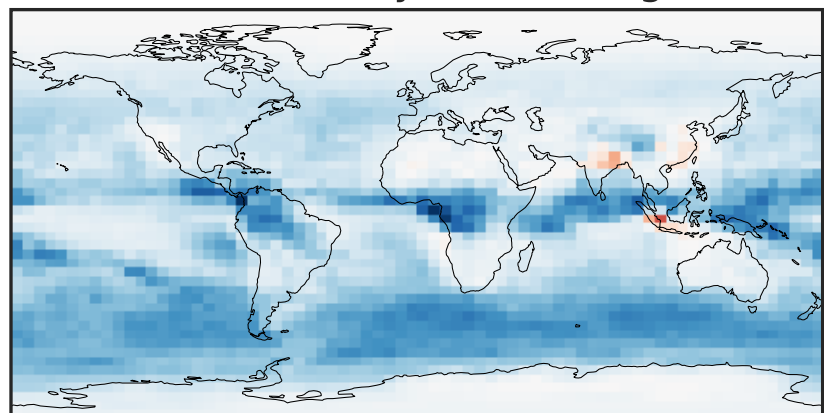
0.8 1.6 2.4
s-1 1e-6

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



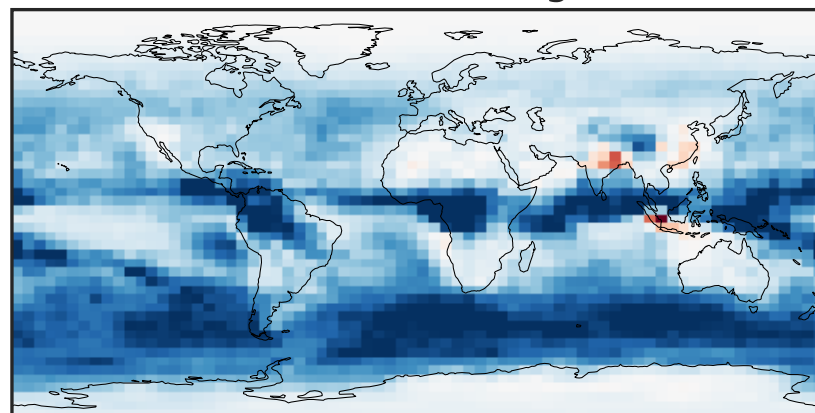
0.8 1.6 2.4
s-1 1e-6

Difference
Dev - Ref, Dynamic Range



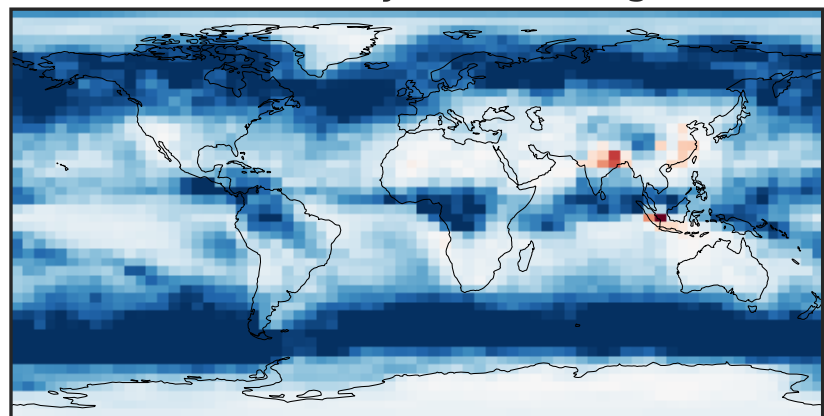
-6 0 6
s-1 1e-8

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



-4 0 4
s-1 1e-8

Ratio
Dev/Ref, Dynamic Range



0.95223 0.97611 1.00000 1.02508 1.05017
unitless

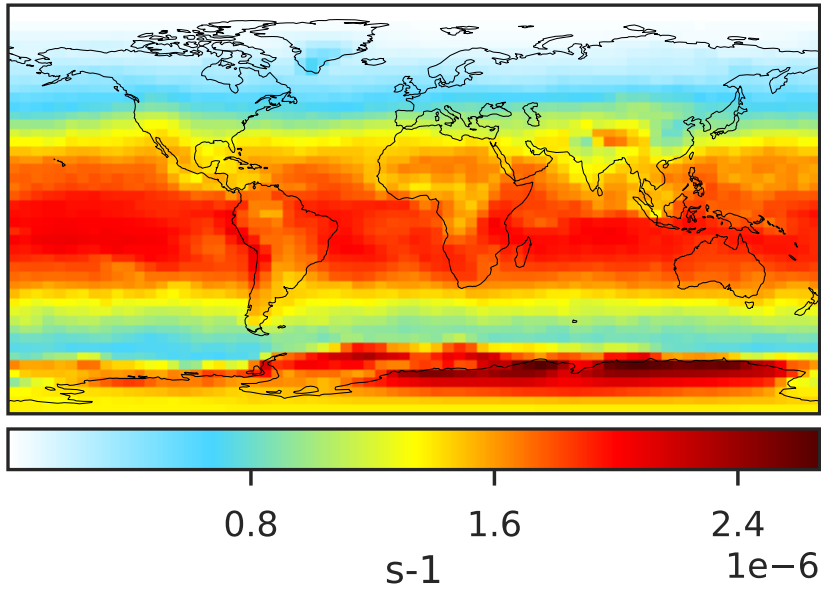
Ratio
Dev/Ref, Fixed Range



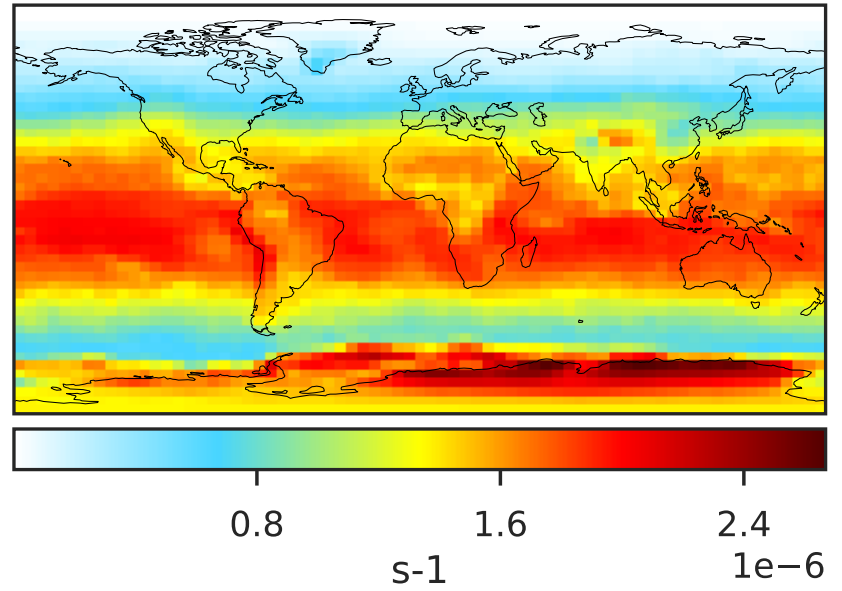
0.50 0.75 1.00 1.50 2.00
unitless

Jval_RA3P (Oct2019)

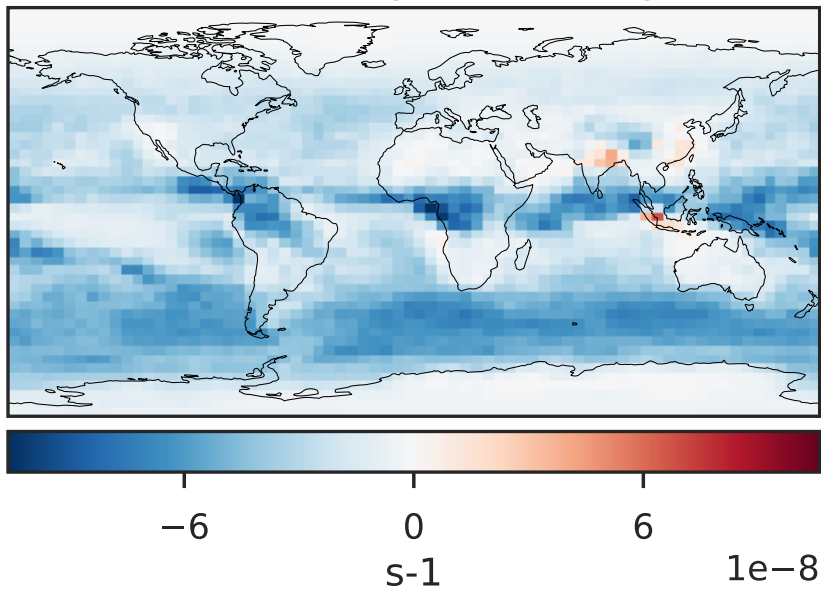
14.2.0-rc.2 (Ref)
4.0x5.0



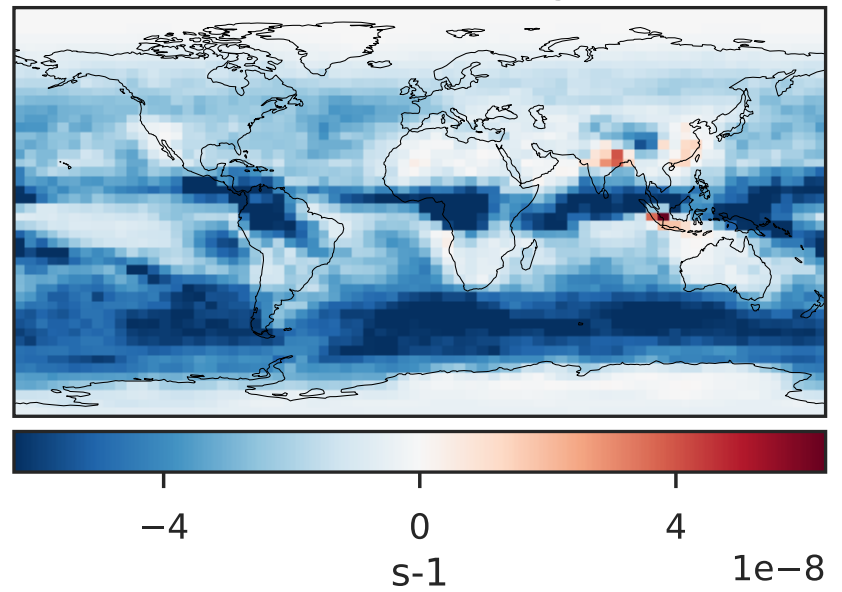
14.3.0-rc.0 (Dev)
4.0x5.0



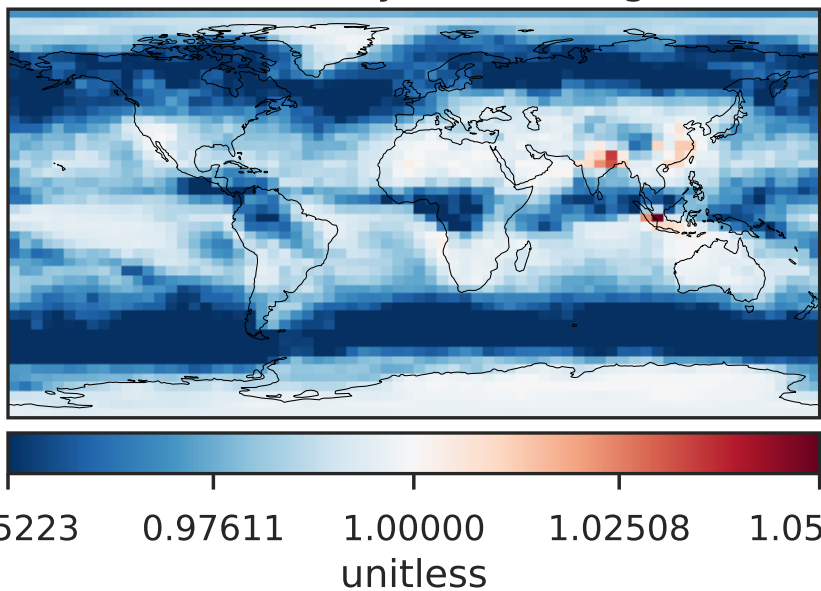
Difference
Dev - Ref, Dynamic Range



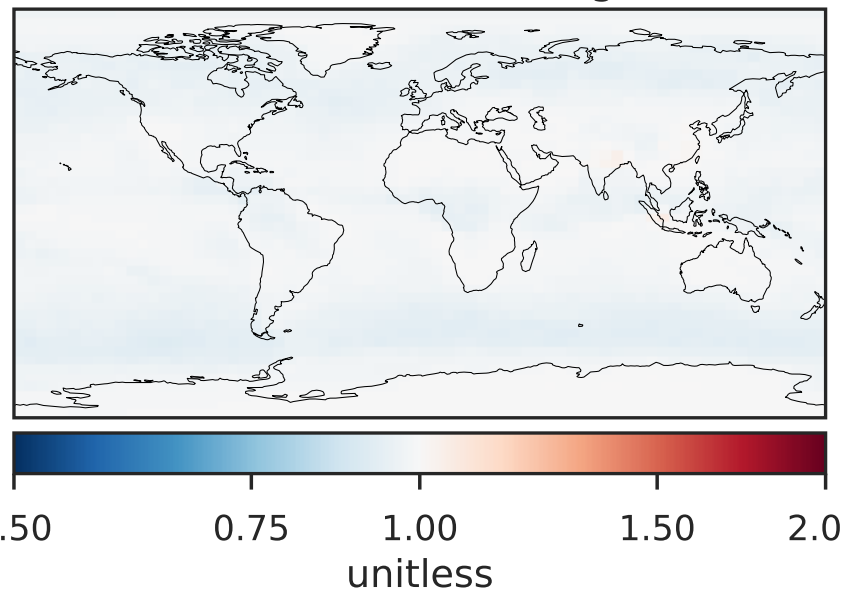
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

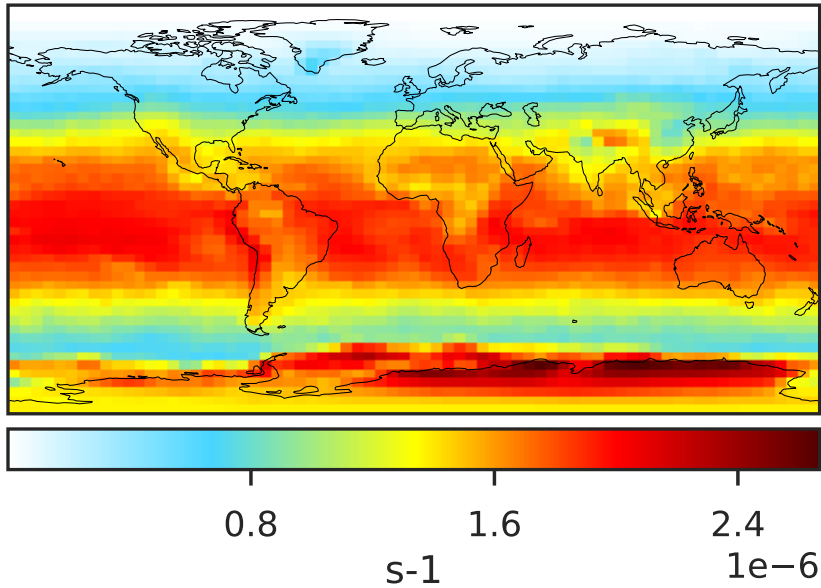


Ratio
Dev/Ref, Fixed Range

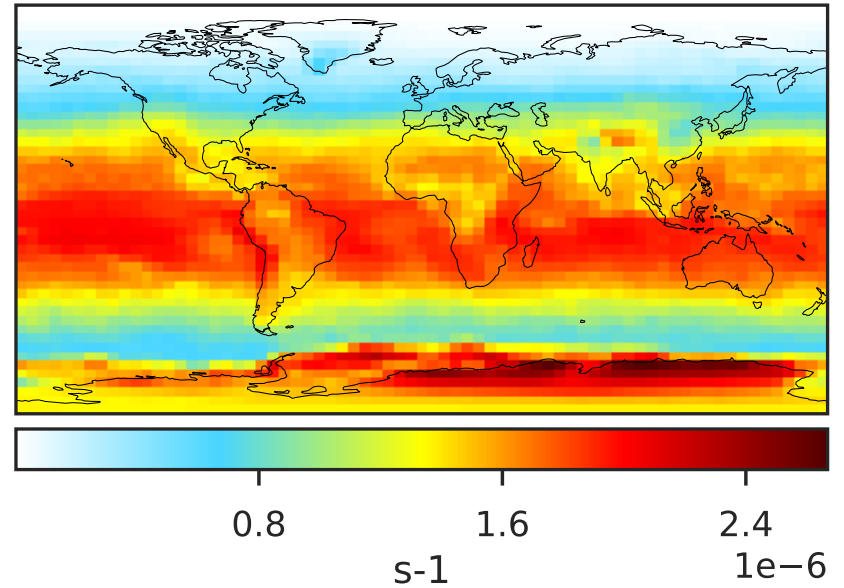


Jval_RB3P (Oct2019)

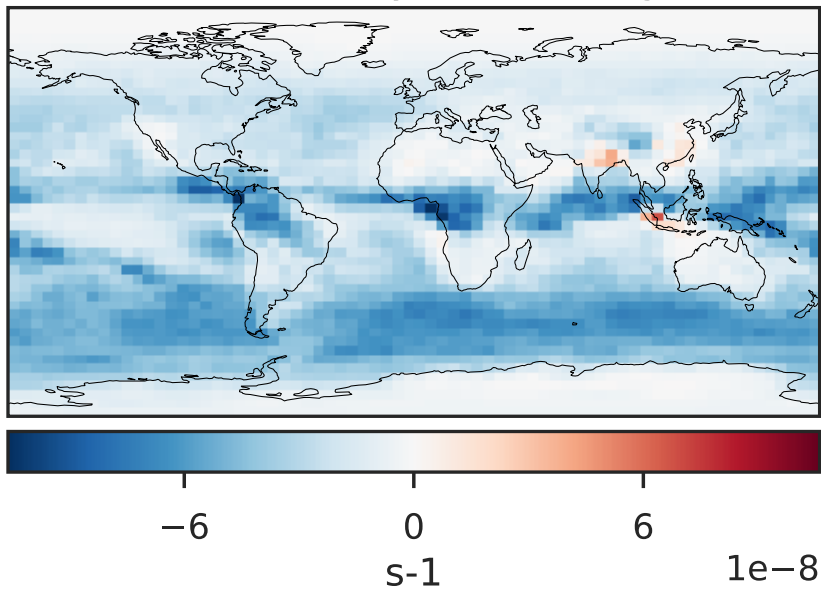
14.2.0-rc.2 (Ref)
4.0x5.0



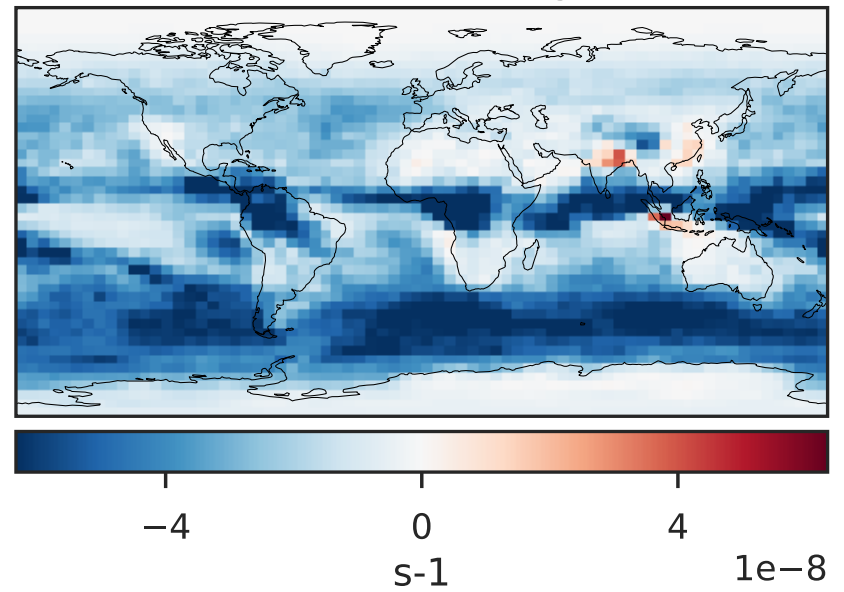
14.3.0-rc.0 (Dev)
4.0x5.0



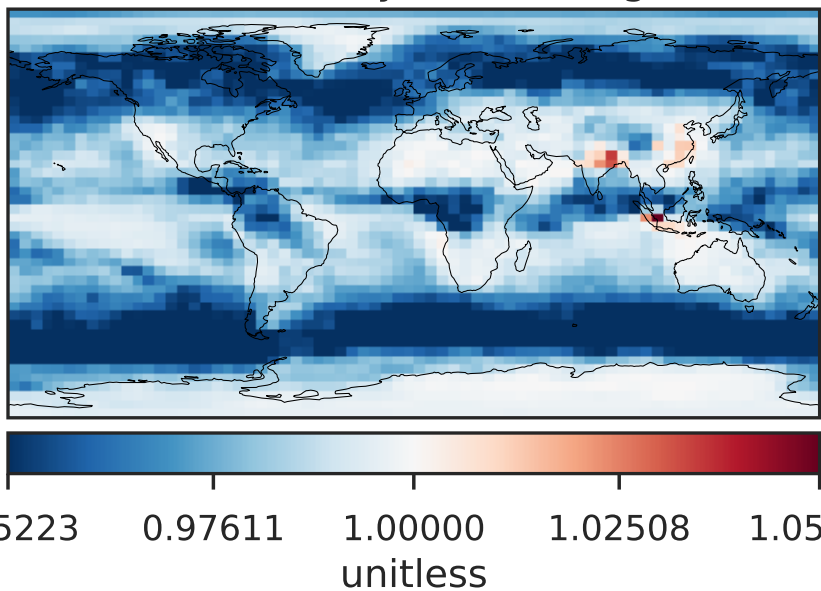
Difference
Dev - Ref, Dynamic Range



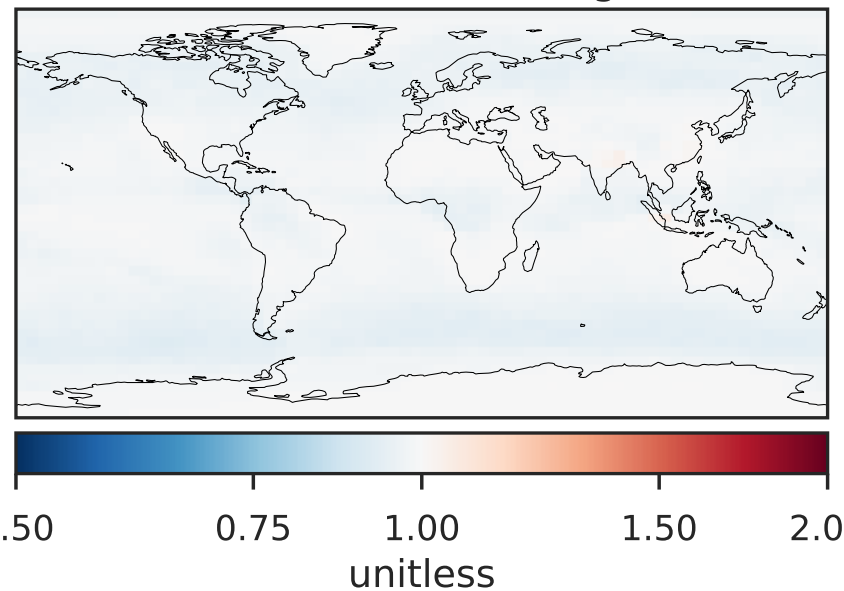
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

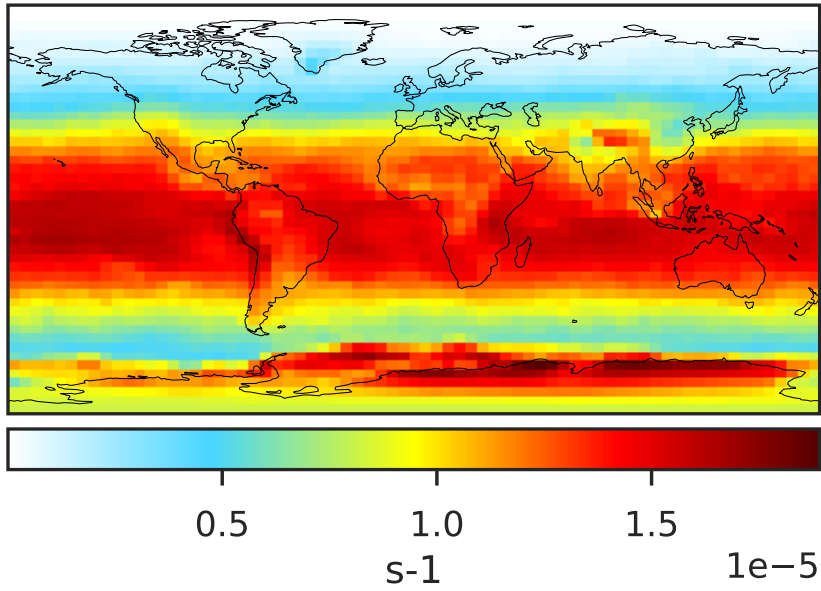


Ratio
Dev/Ref, Fixed Range

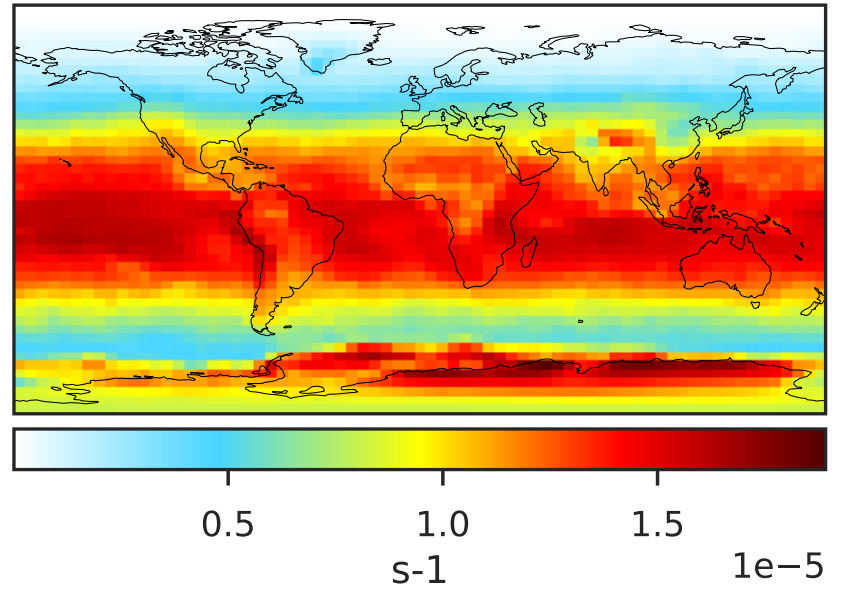


Jval_RCHO (Oct2019)

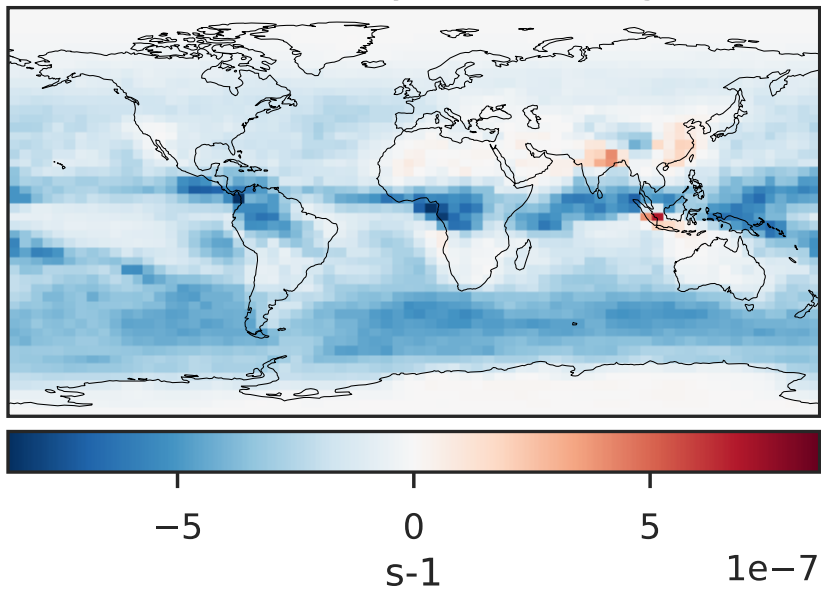
14.2.0-rc.2 (Ref)
4.0x5.0



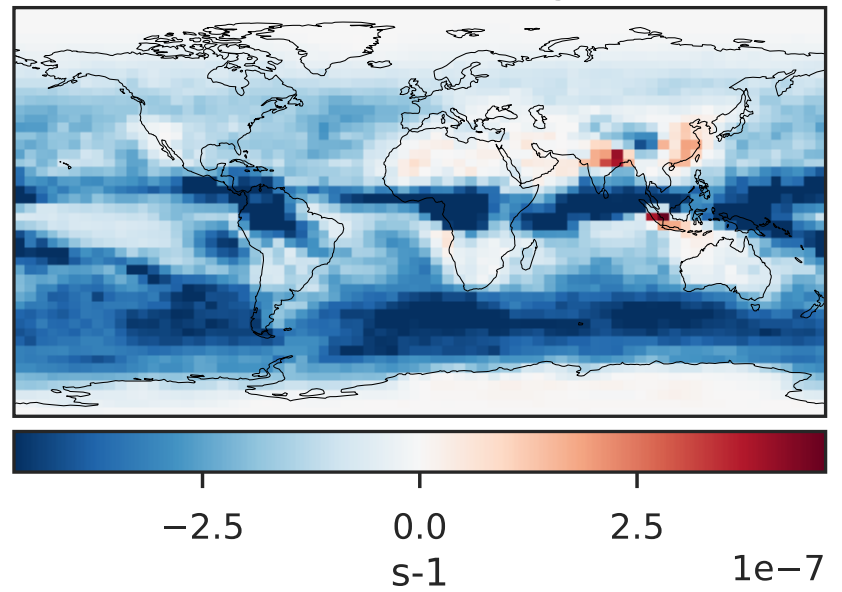
14.3.0-rc.0 (Dev)
4.0x5.0



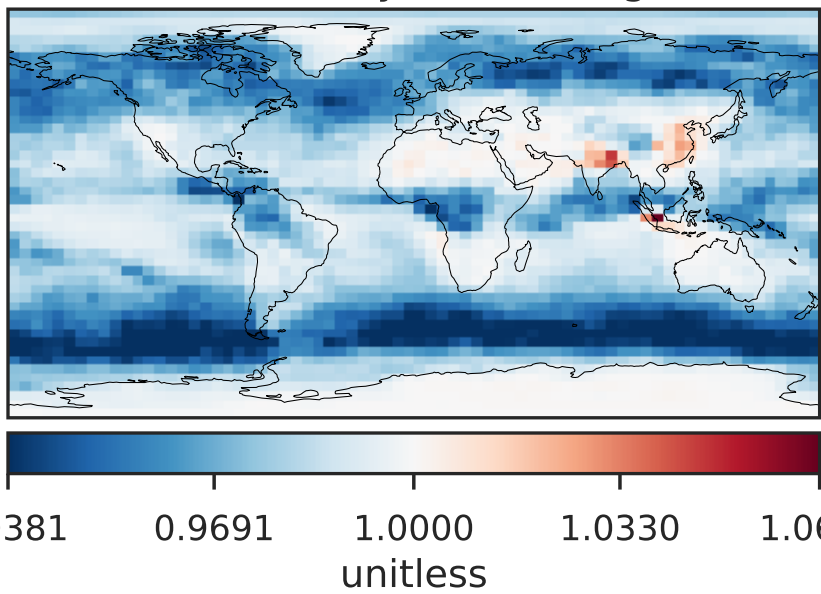
Difference
Dev - Ref, Dynamic Range



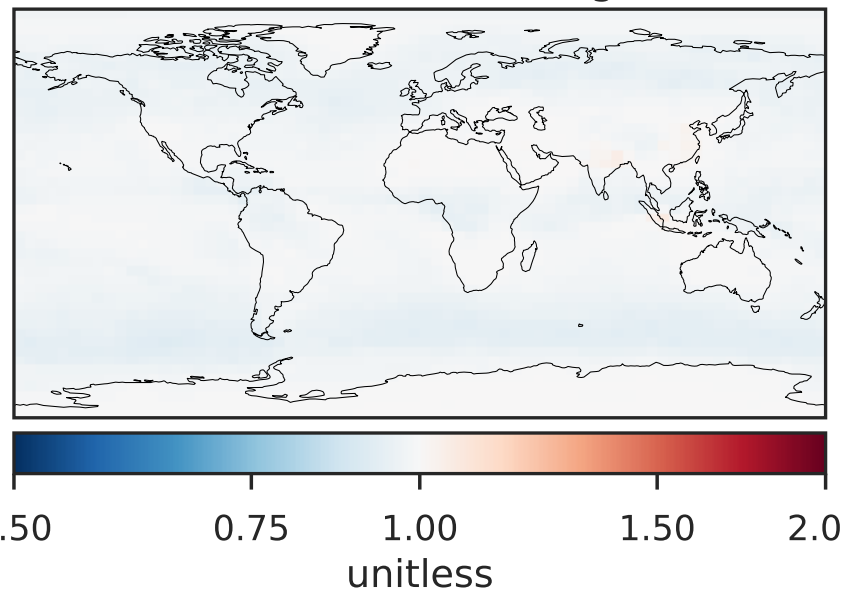
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

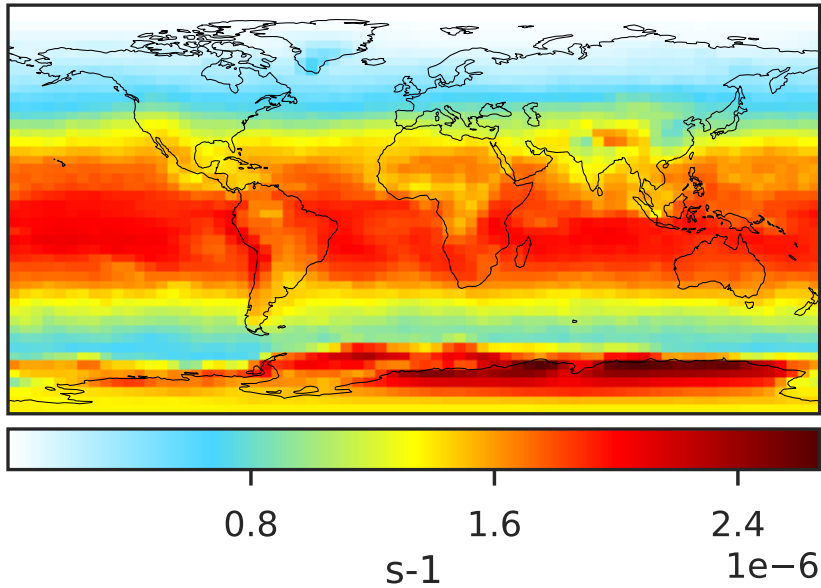


Ratio
Dev/Ref, Fixed Range

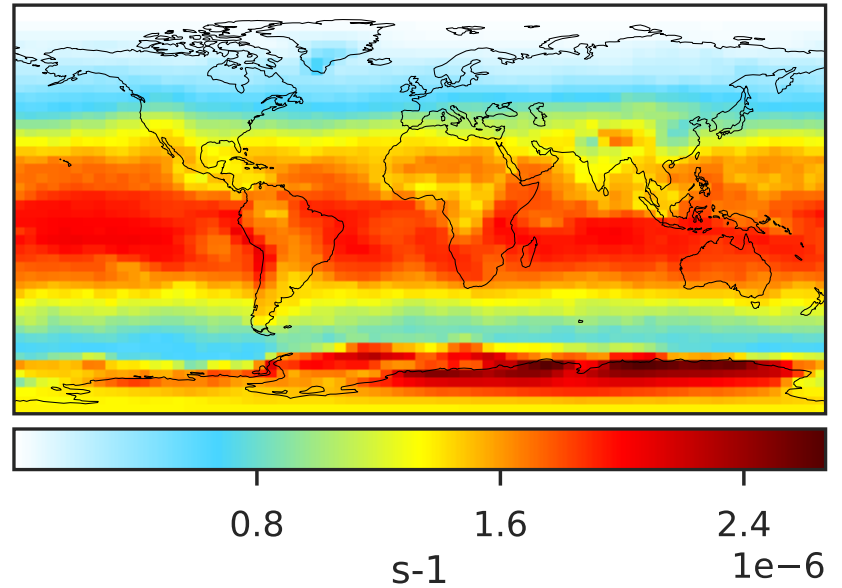


Jval_RIPA (Oct2019)

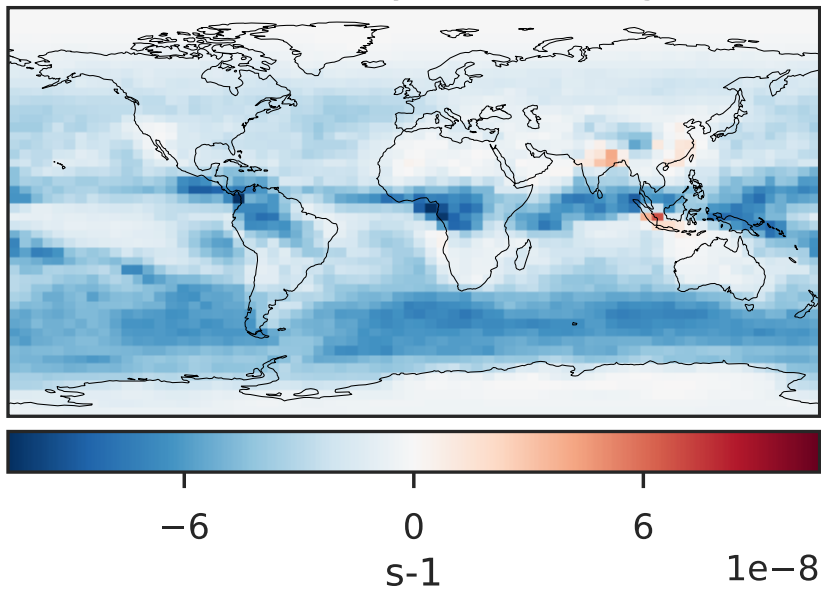
14.2.0-rc.2 (Ref)
4.0x5.0



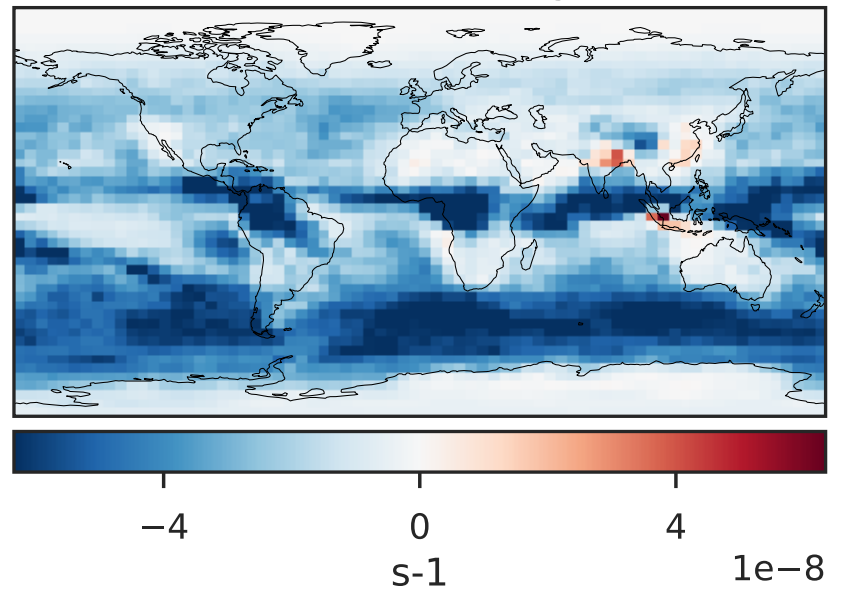
14.3.0-rc.0 (Dev)
4.0x5.0



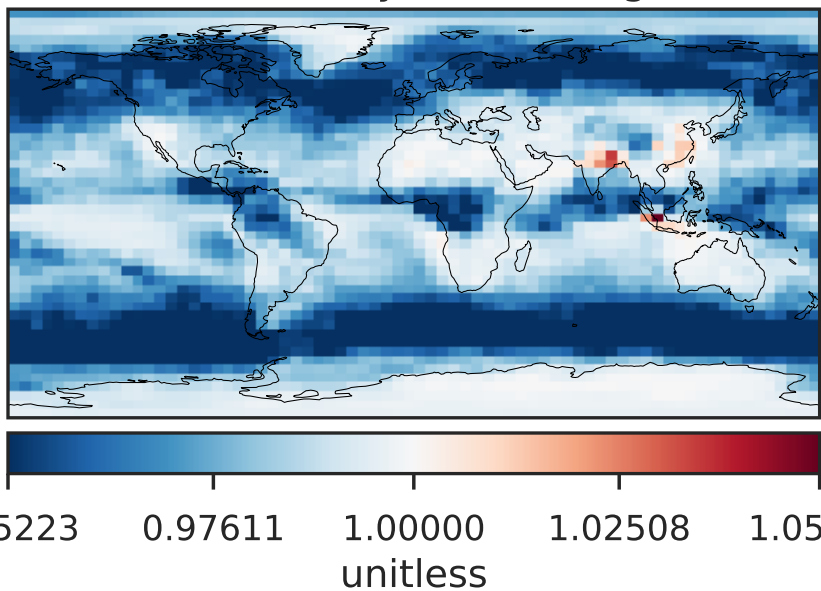
Difference
Dev - Ref, Dynamic Range



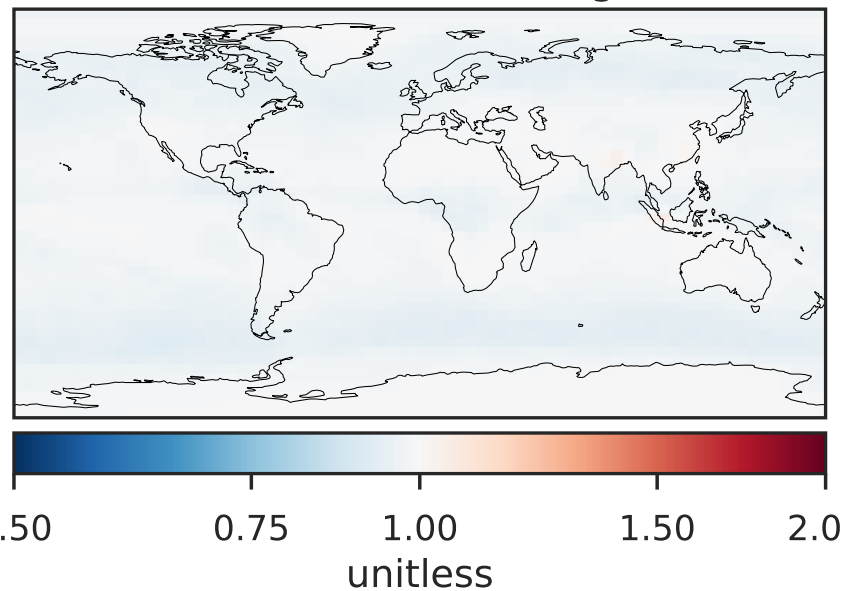
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

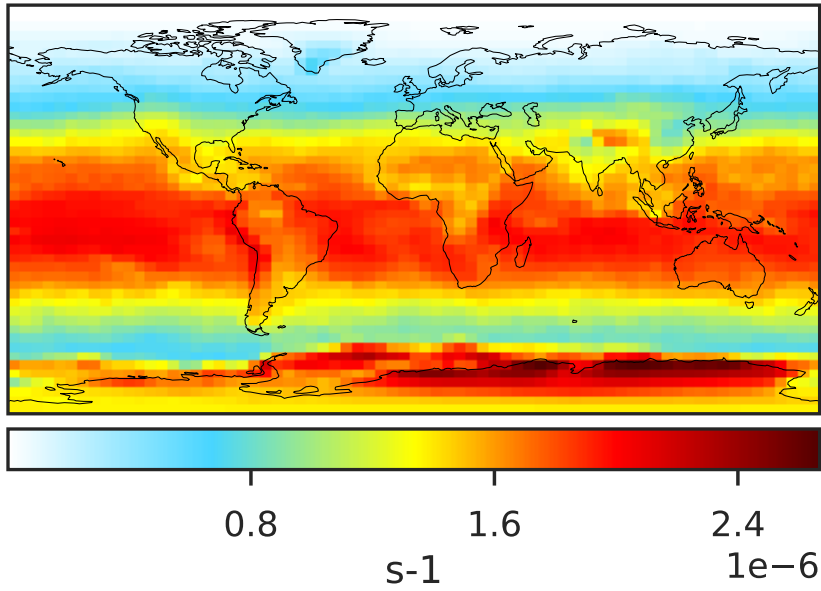


Ratio
Dev/Ref, Fixed Range

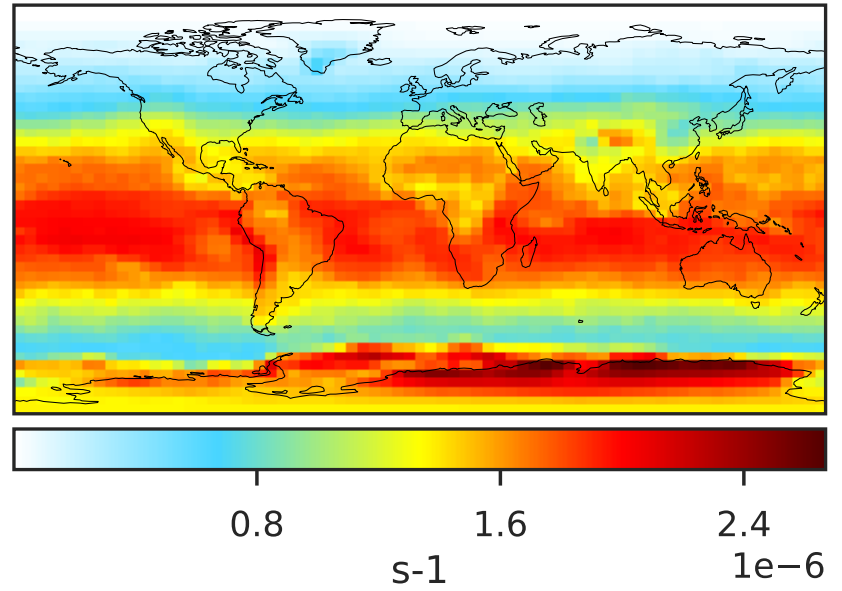


Jval_RIPB (Oct2019)

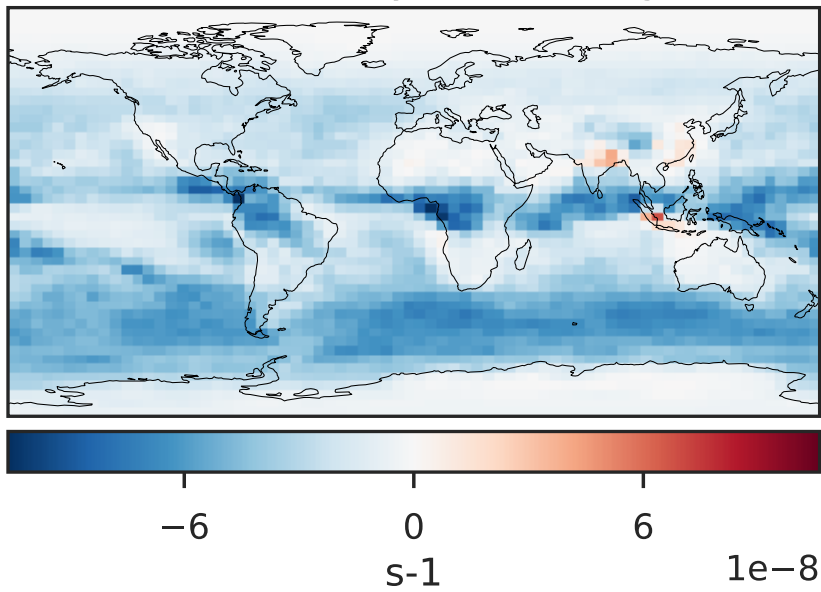
14.2.0-rc.2 (Ref)
4.0x5.0



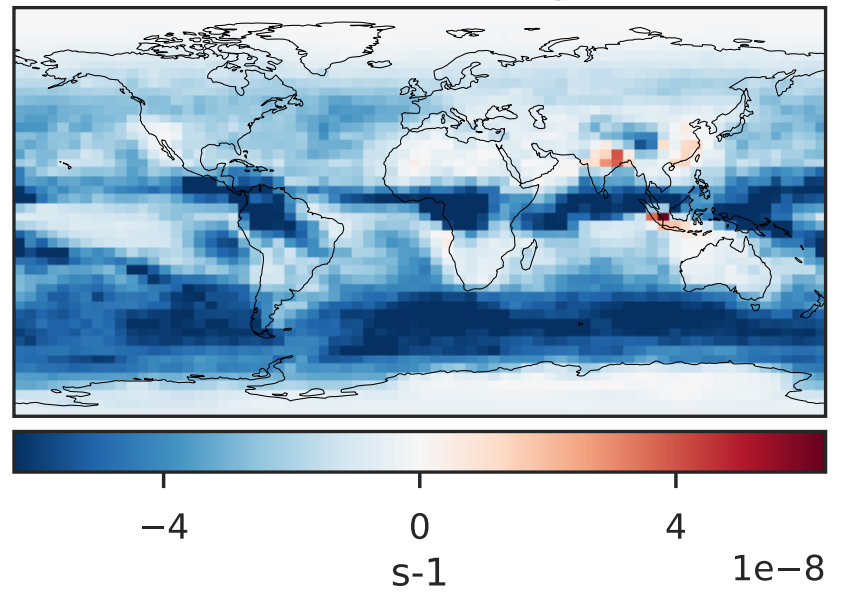
14.3.0-rc.0 (Dev)
4.0x5.0



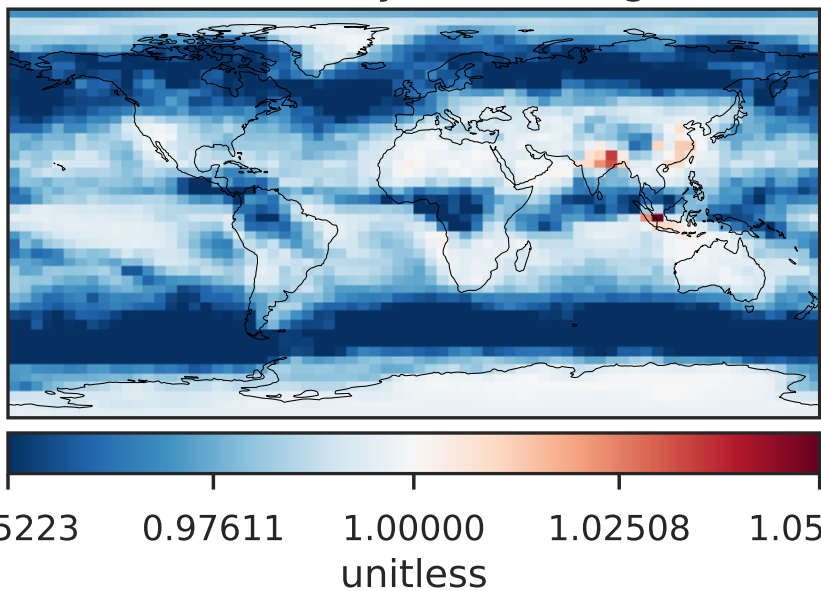
Difference
Dev - Ref, Dynamic Range



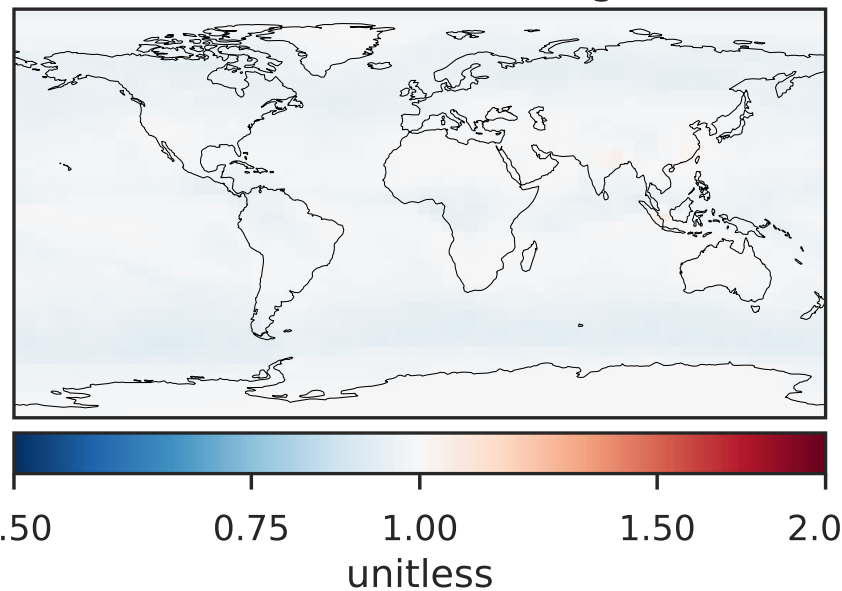
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

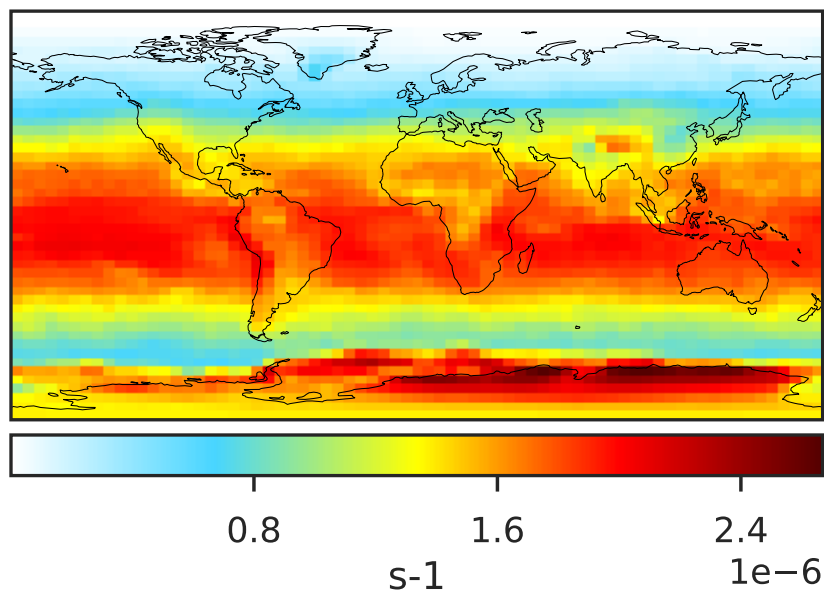


Ratio
Dev/Ref, Fixed Range

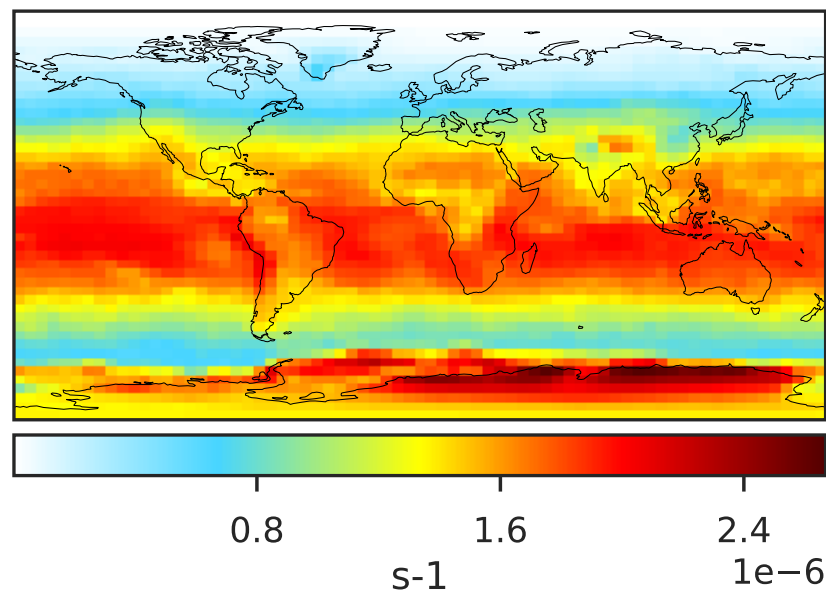


Jval_RIPC (Oct2019)

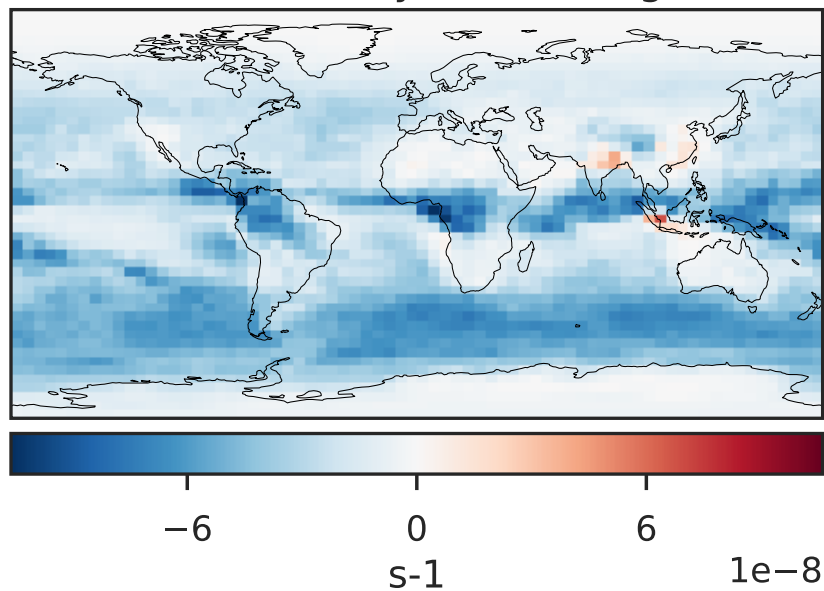
14.2.0-rc.2 (Ref)
4.0x5.0



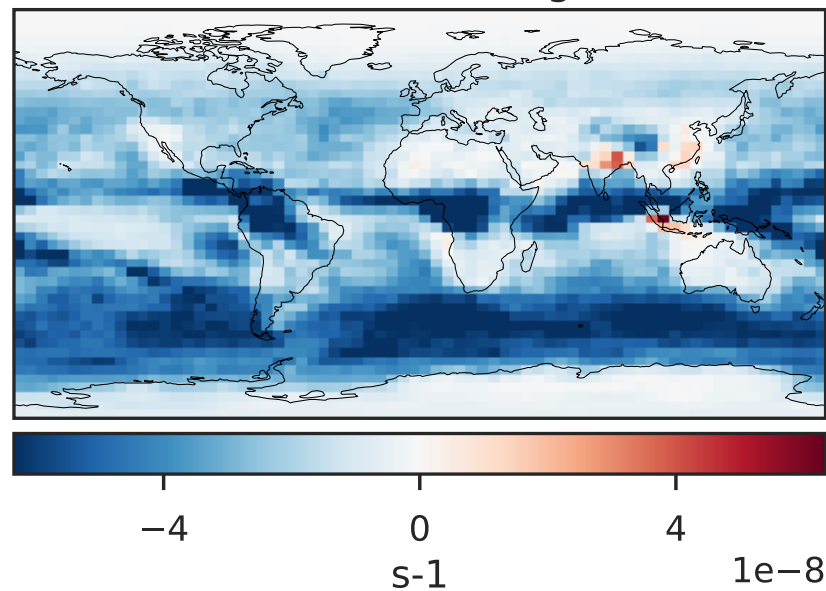
14.3.0-rc.0 (Dev)
4.0x5.0



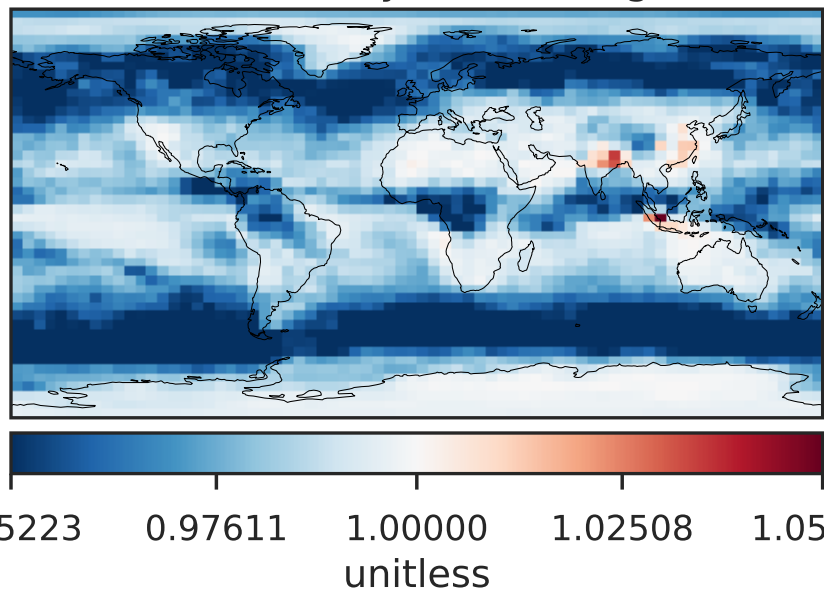
Difference
Dev - Ref, Dynamic Range



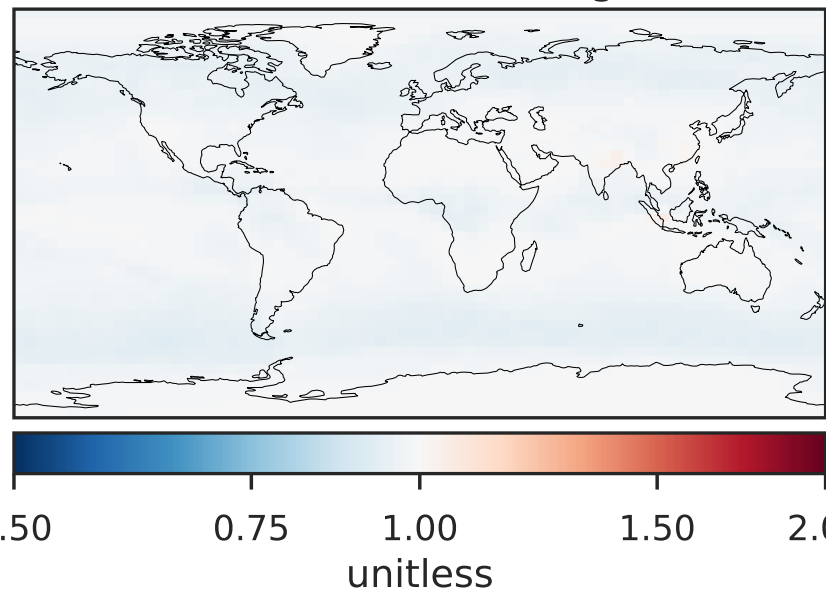
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

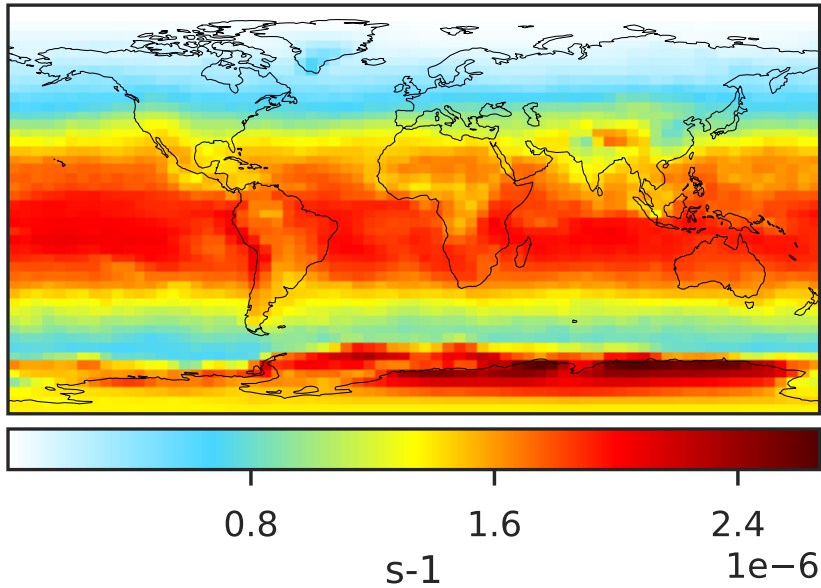


Ratio
Dev/Ref, Fixed Range

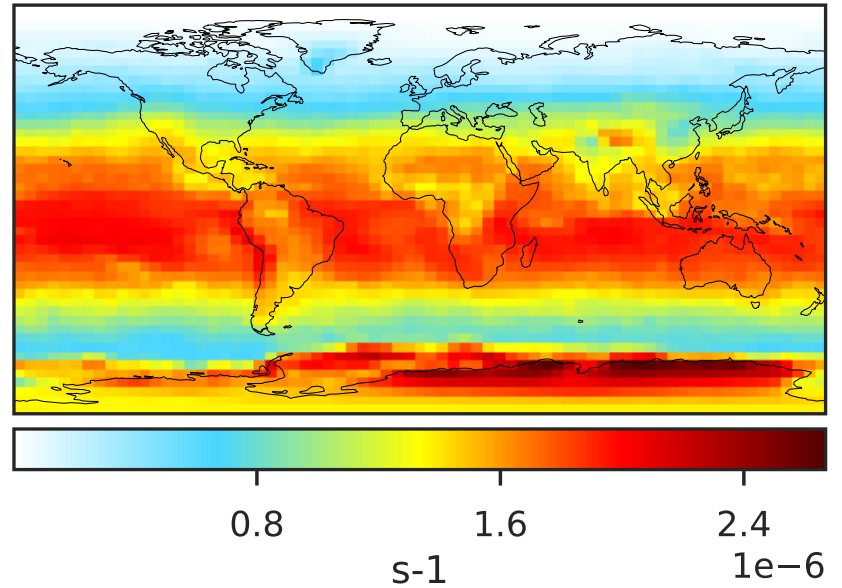


Jval_RIPD (Oct2019)

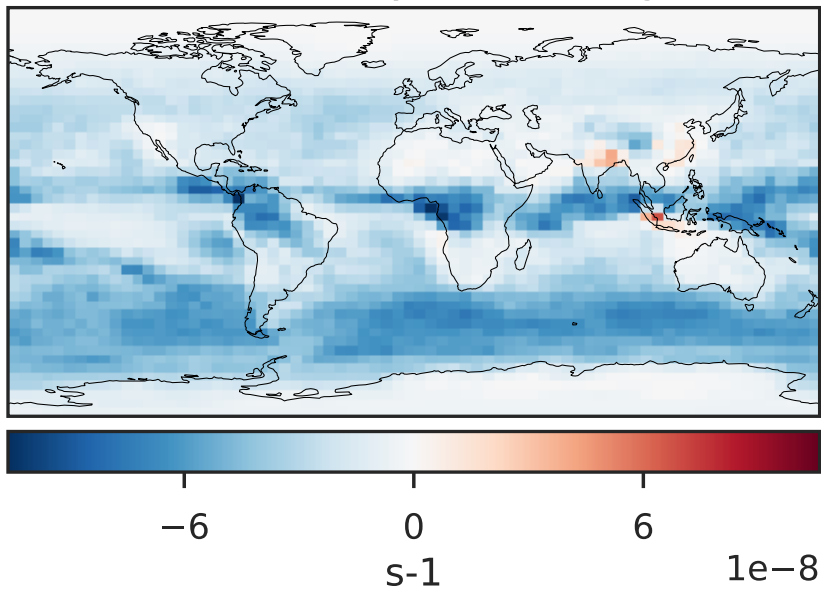
14.2.0-rc.2 (Ref)
4.0x5.0



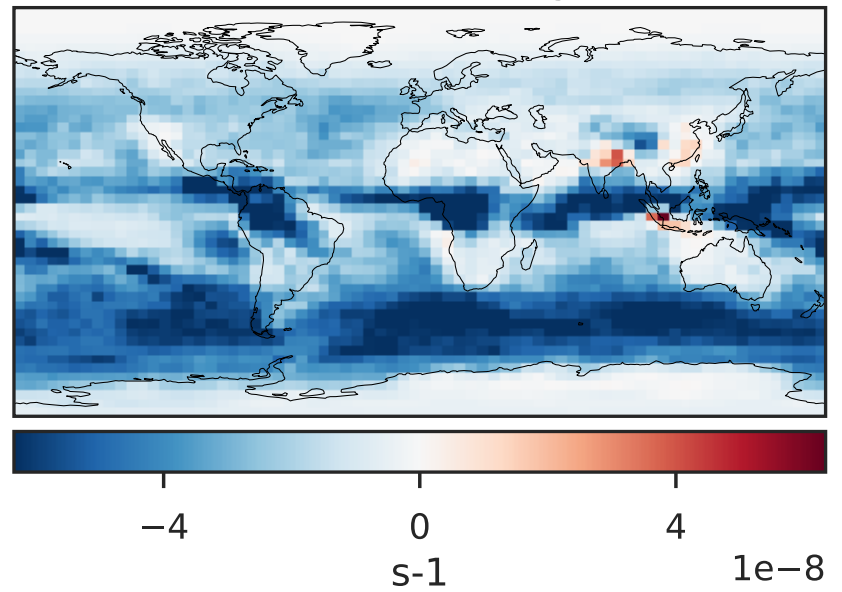
14.3.0-rc.0 (Dev)
4.0x5.0



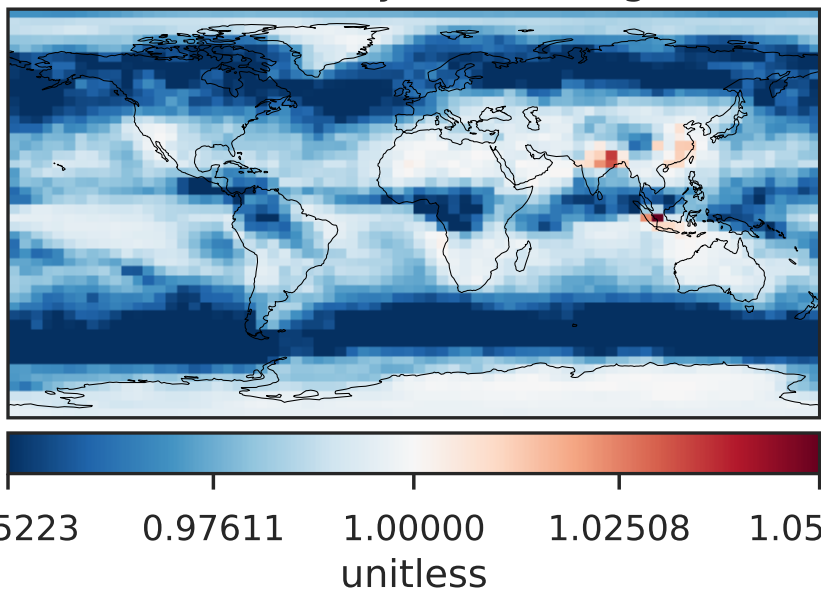
Difference
Dev - Ref, Dynamic Range



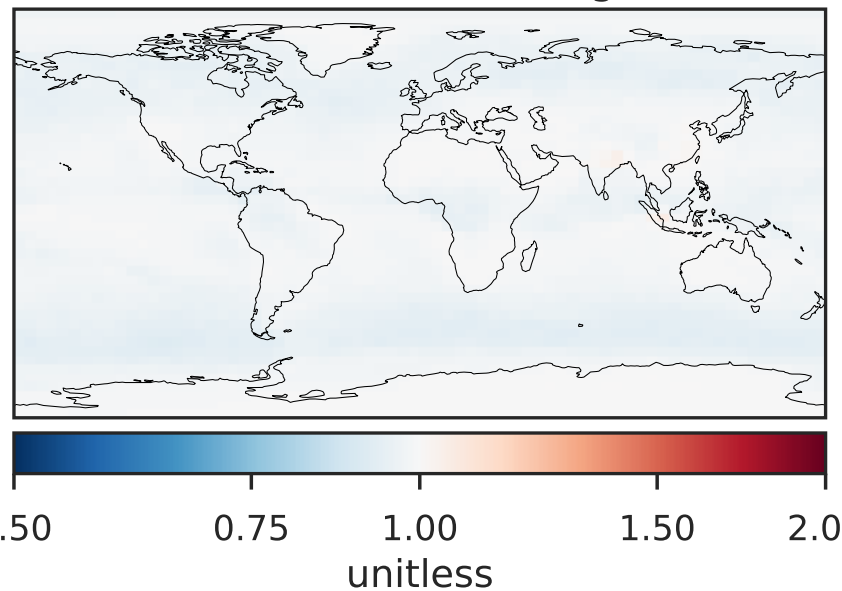
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

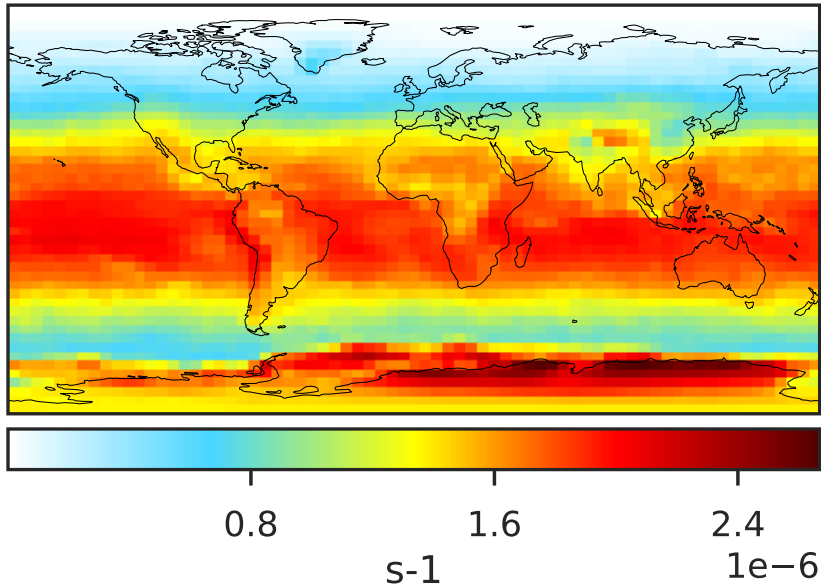


Ratio
Dev/Ref, Fixed Range

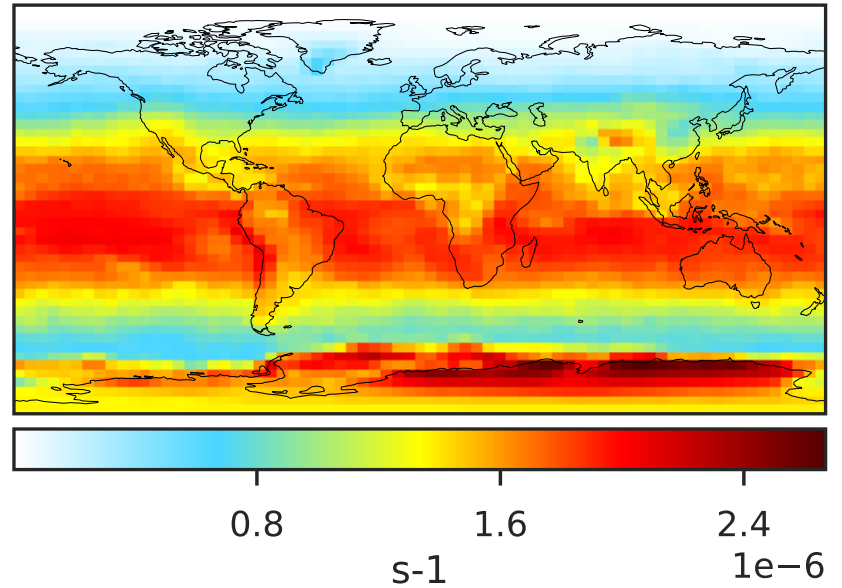


Jval_RP (Oct2019)

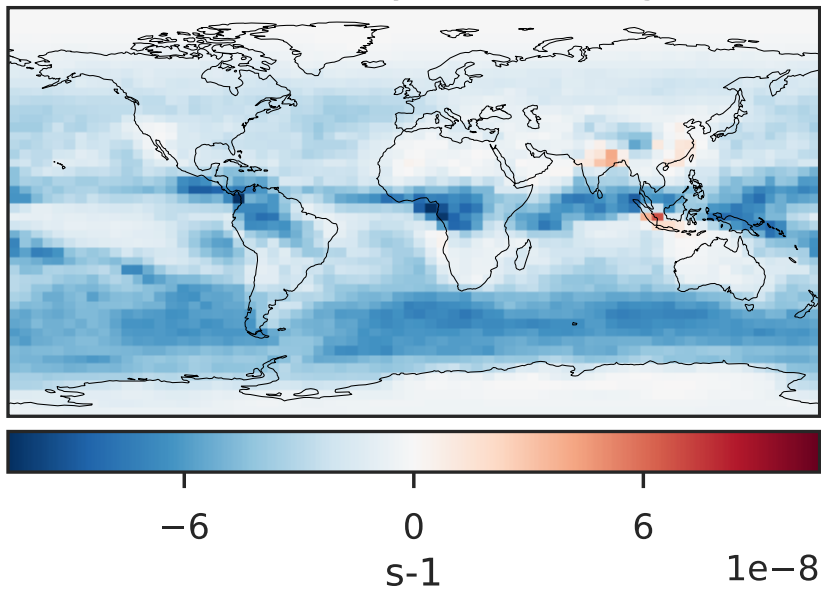
14.2.0-rc.2 (Ref)
4.0x5.0



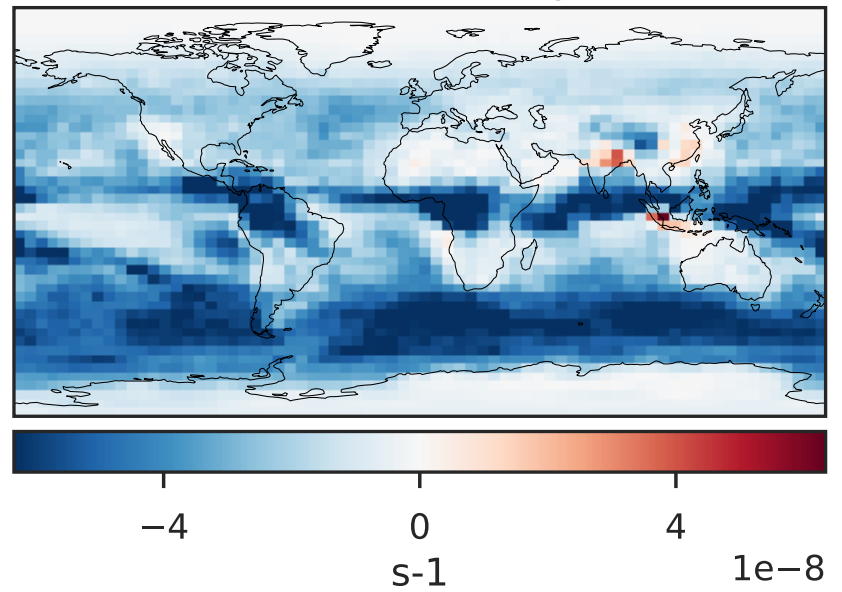
14.3.0-rc.0 (Dev)
4.0x5.0



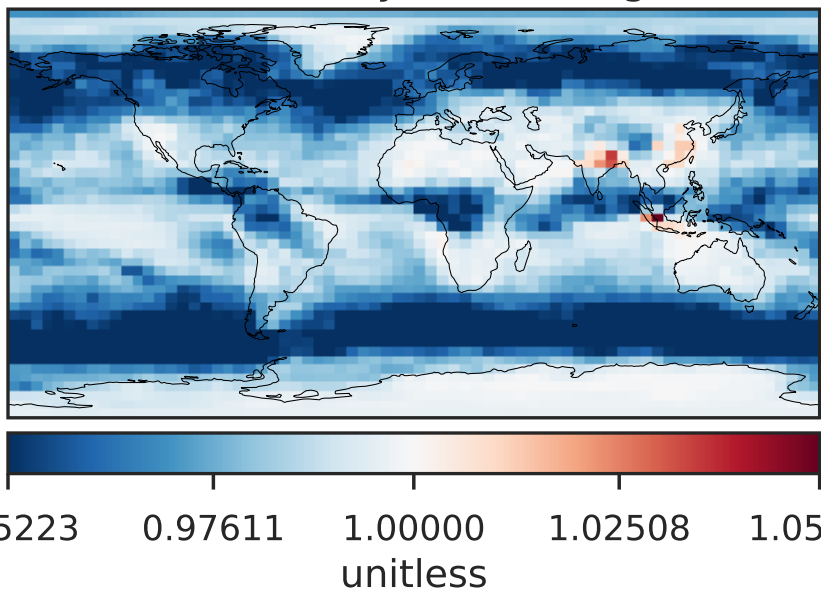
Difference
Dev - Ref, Dynamic Range



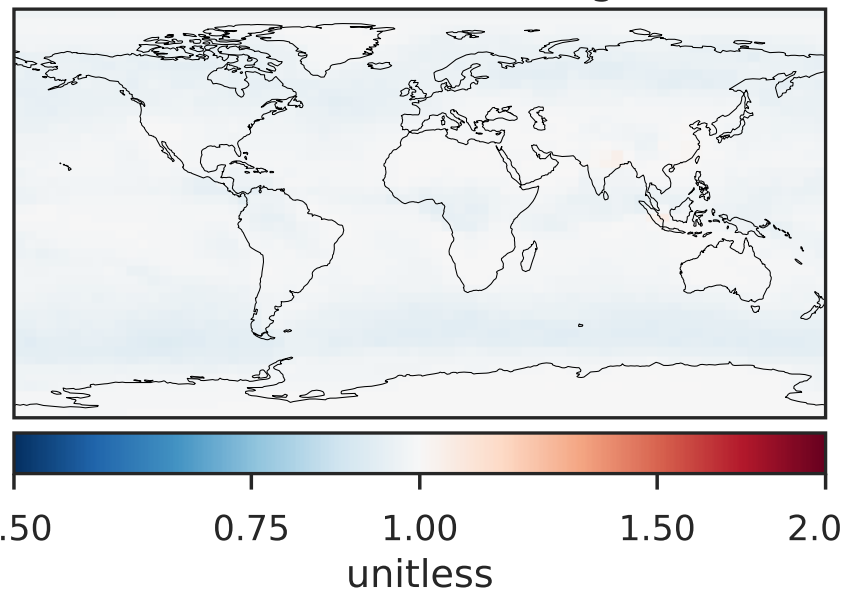
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range



Ratio
Dev/Ref, Fixed Range



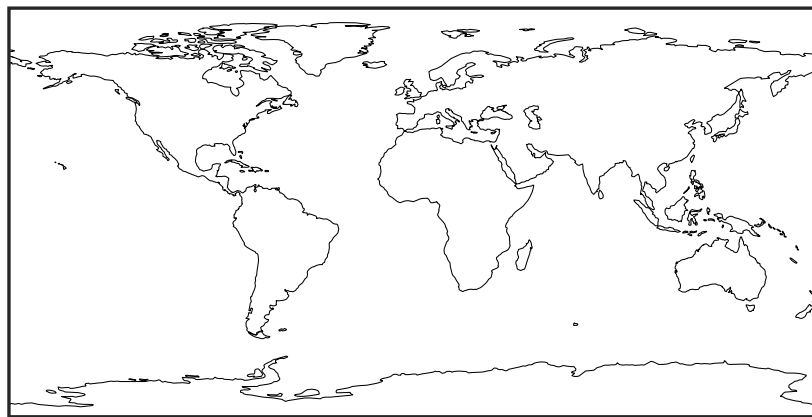
Jval_SO4 (Oct2019)

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