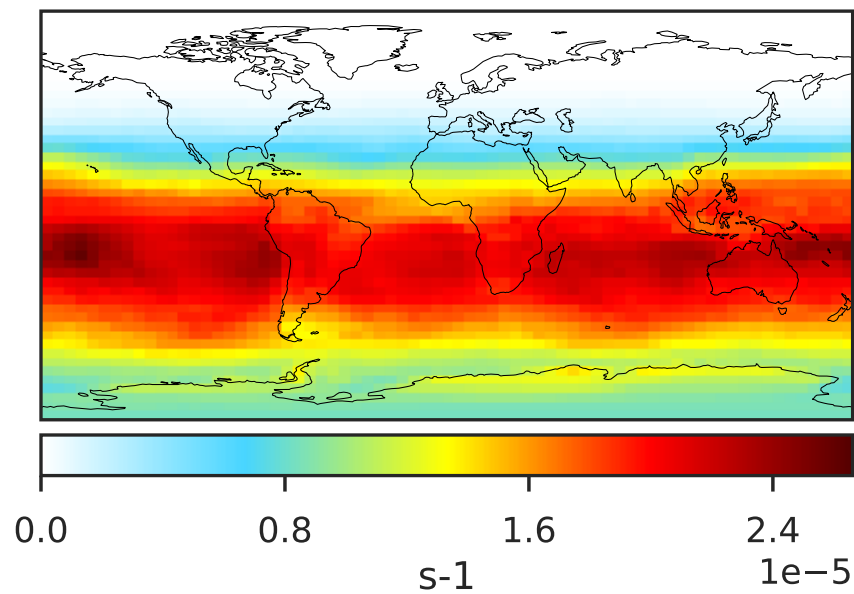
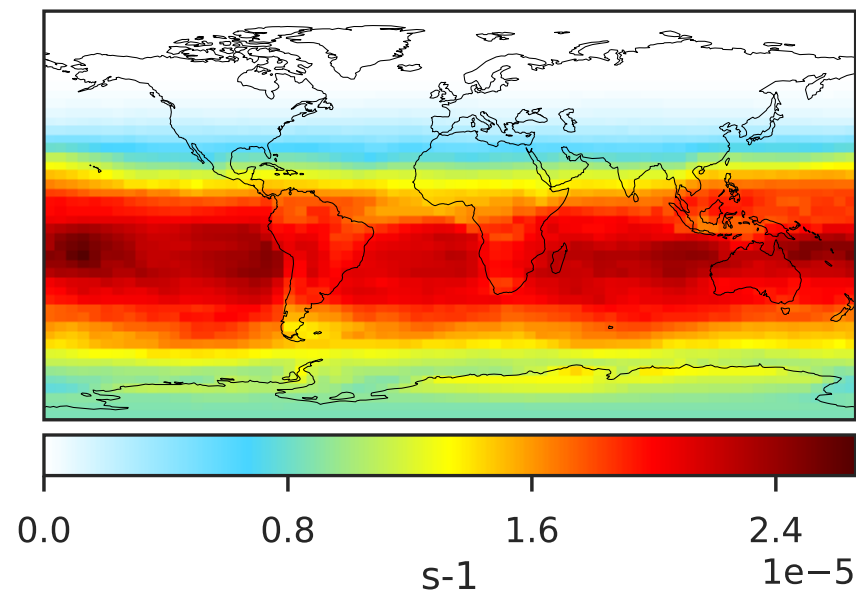


# JvalO301D (Jan2019)

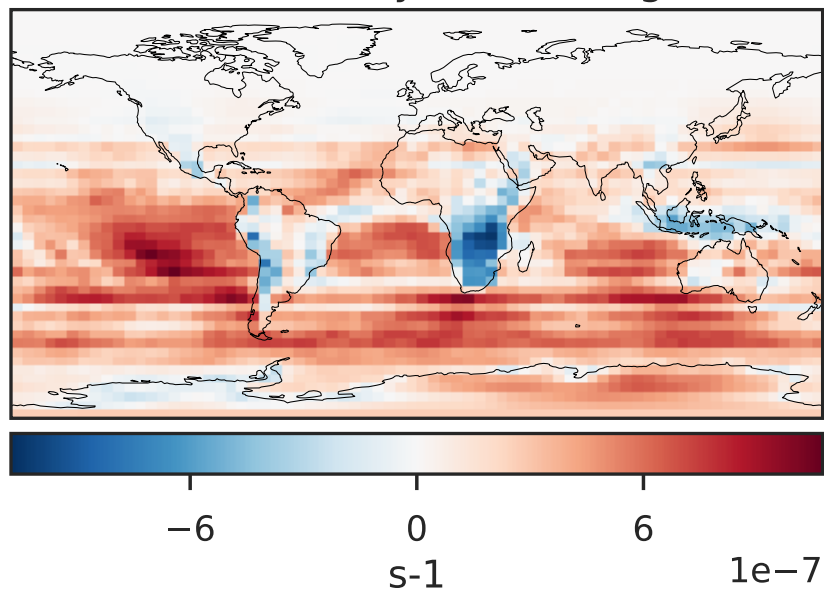
14.2.0-rc.2 (Ref)  
4.0x5.0



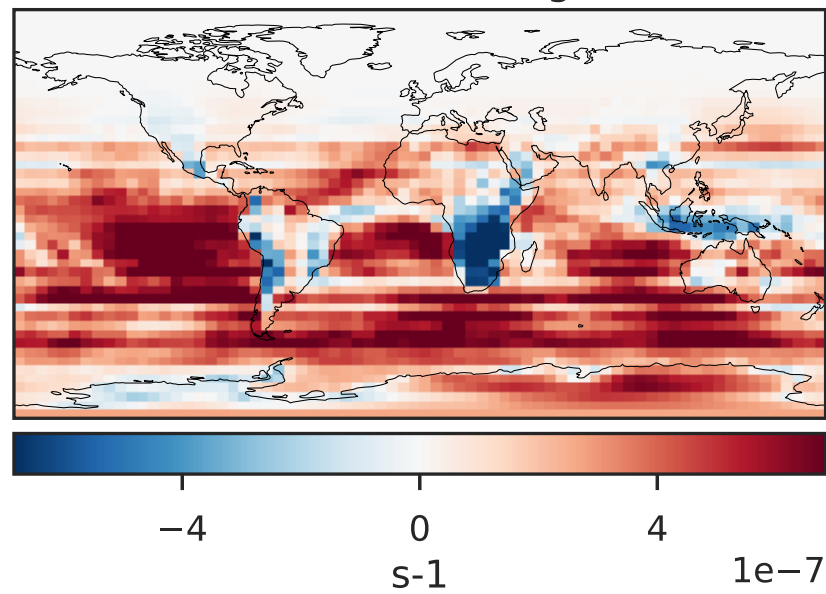
14.3.0-rc.0 (Dev)  
4.0x5.0



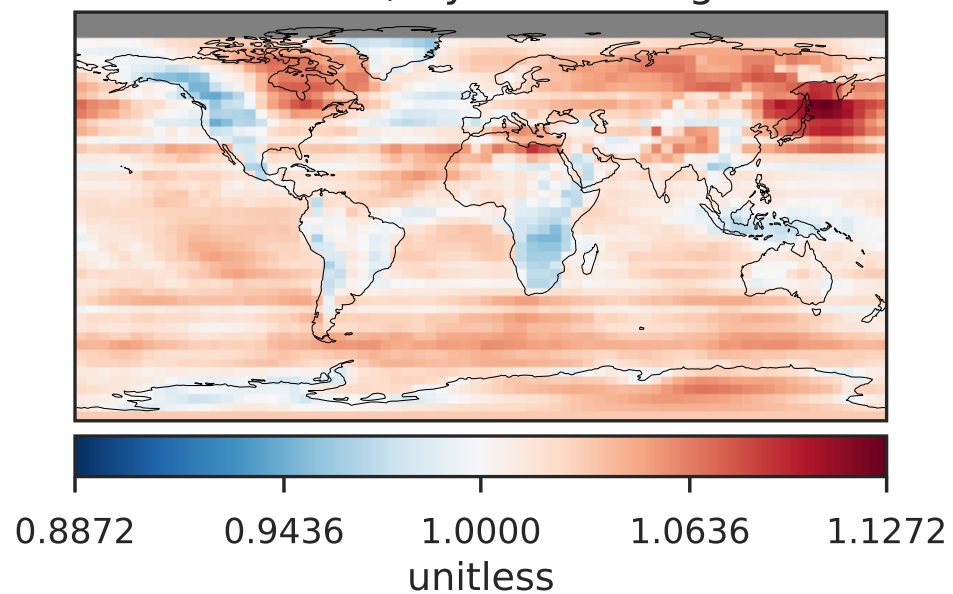
Difference  
Dev - Ref, Dynamic Range



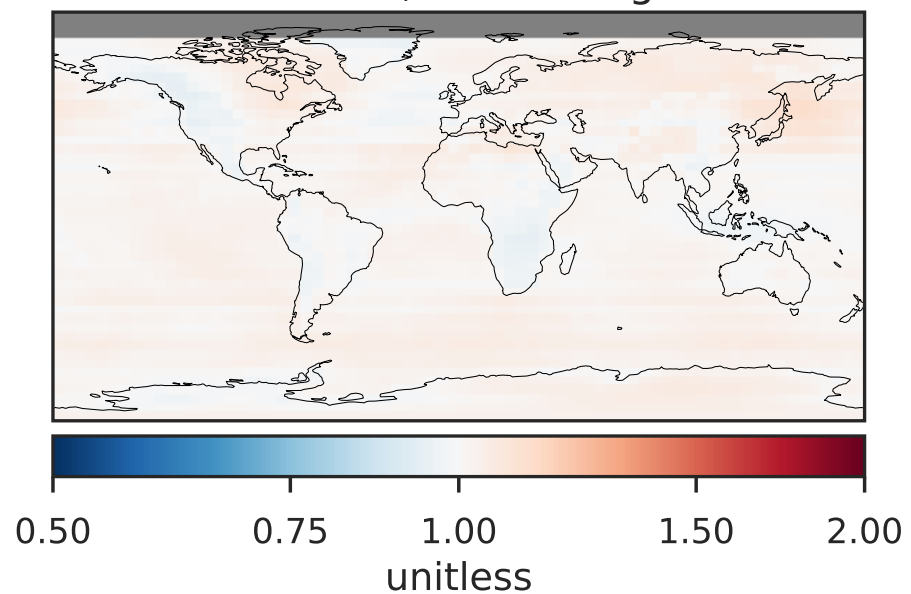
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

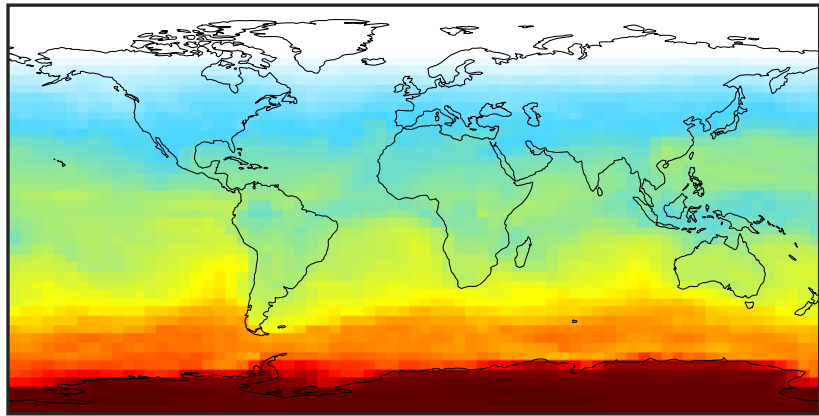


Ratio  
Dev/Ref, Fixed Range



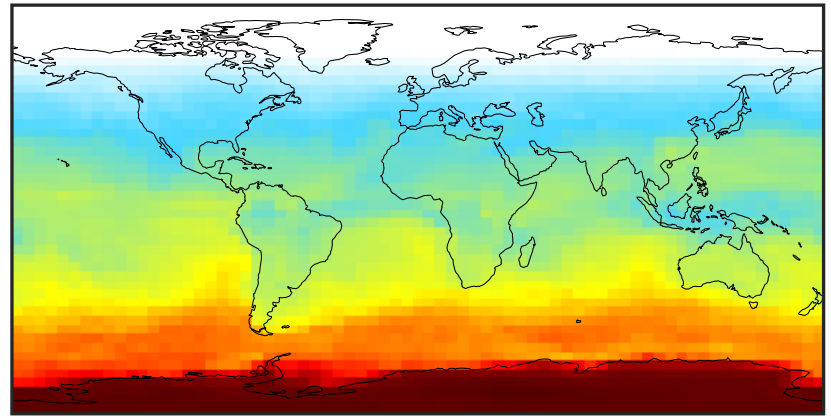
# JvalO3O3P (Jan2019)

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



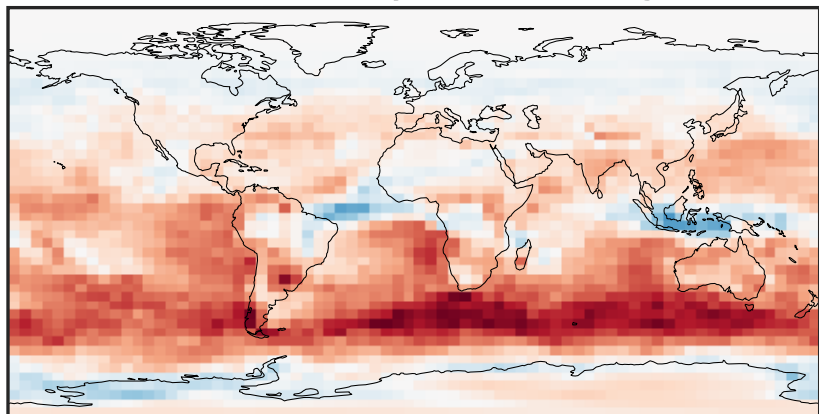
0.0000 0.0002 0.0004 0.0006  
s-1

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



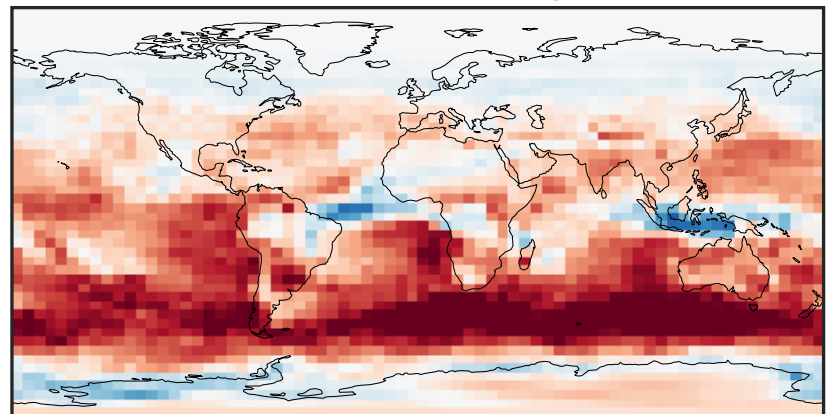
0.0000 0.0002 0.0004 0.0006  
s-1

Difference  
Dev - Ref, Dynamic Range



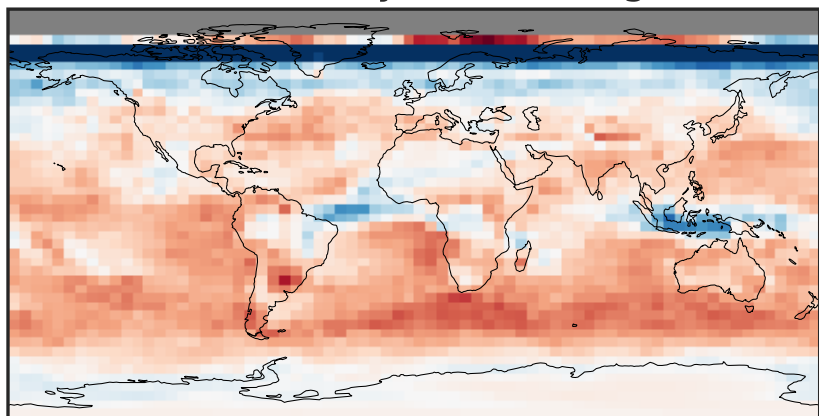
-8 0 8  
s-1 1e-6

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



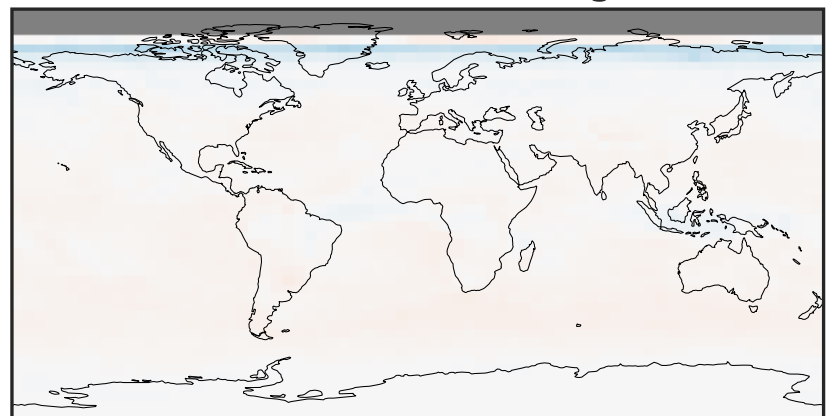
-5 0 5  
s-1 1e-6

Ratio  
Dev/Ref, Dynamic Range



0.9416 0.9708 1.0000 1.0310 1.0620  
unitless

Ratio  
Dev/Ref, Fixed Range

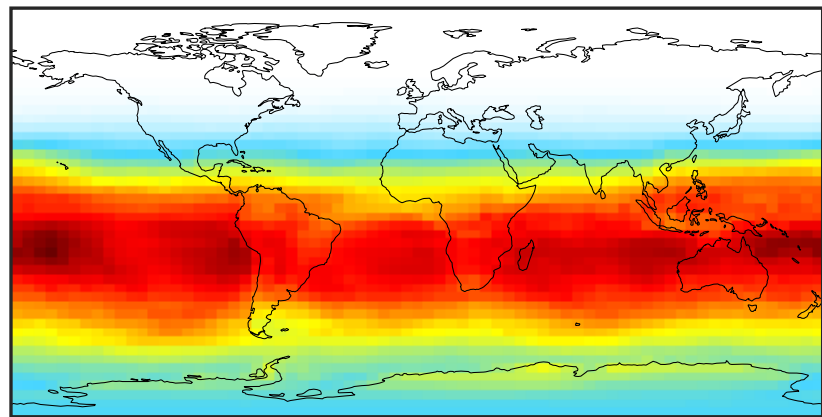


0.50 0.75 1.00 1.50 2.00  
unitless



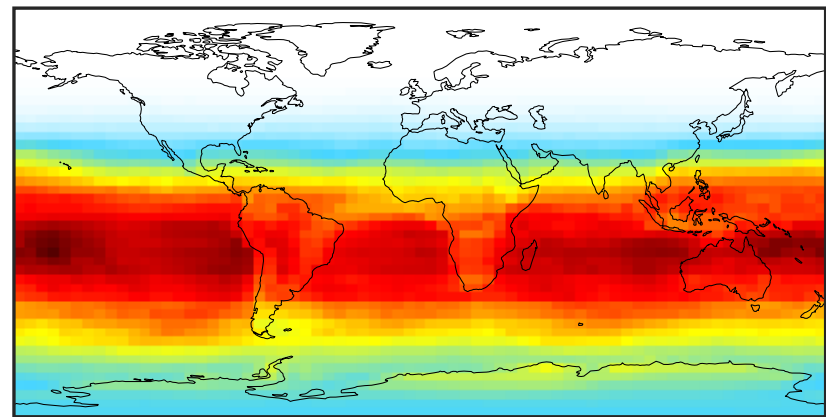
# Jval\_ACET (Jan2019)

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



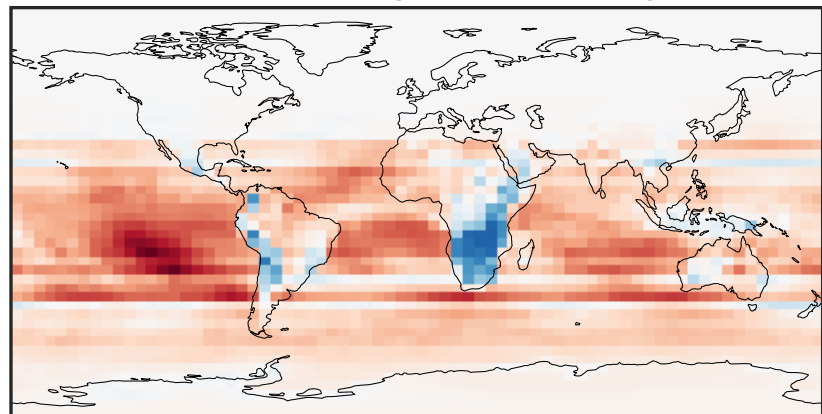
0.0 1.5 3.0 4.5  
s-1  $1e-7$

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



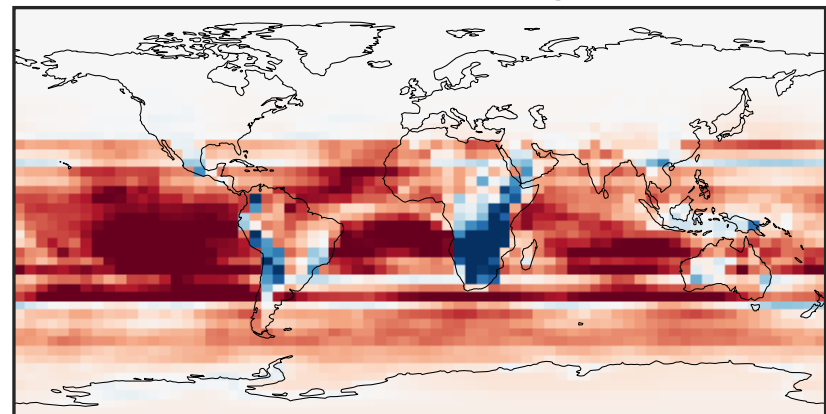
0.0 1.5 3.0 4.5  
s-1  $1e-7$

Difference  
Dev - Ref, Dynamic Range



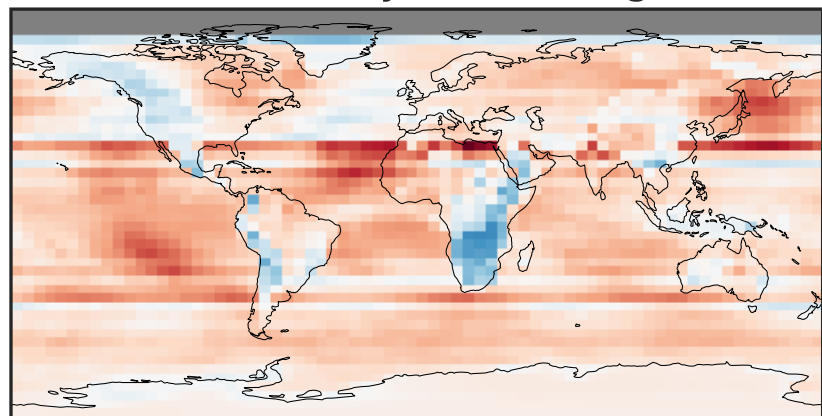
-2 0 2  
s-1  $1e-8$

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



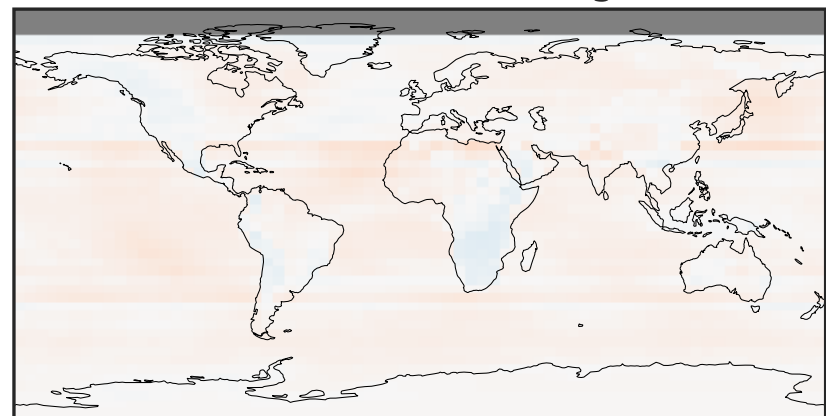
-1 0 1  
s-1  $1e-8$

Ratio  
Dev/Ref, Dynamic Range



0.8795 0.9397 1.0000 1.0685 1.1371  
unitless

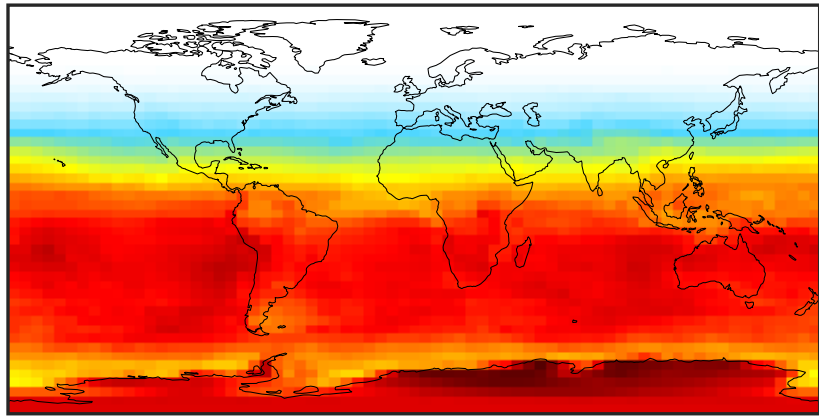
Ratio  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

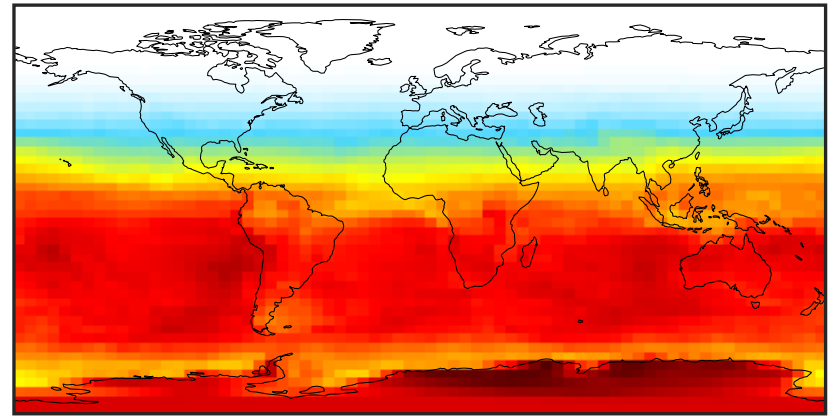
# Jval\_ALD2 (Jan2019)

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



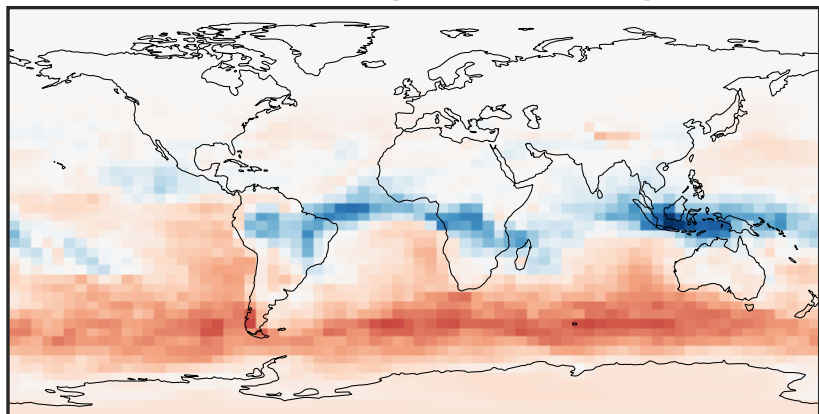
0.0 1.5 3.0 4.5  $1e-6$   
s-1

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



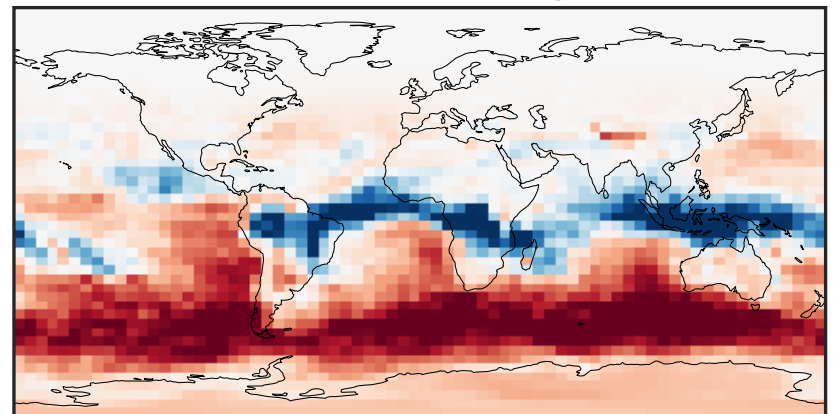
0.0 1.5 3.0 4.5  $1e-6$   
s-1

Difference  
Dev - Ref, Dynamic Range



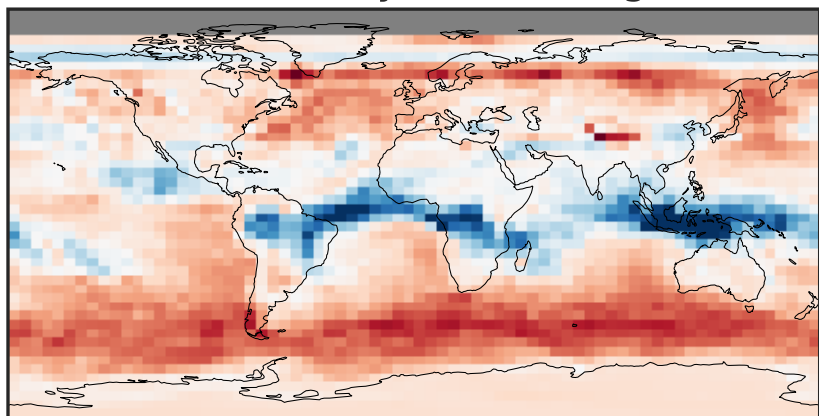
-1 0 1  $1e-7$   
s-1

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



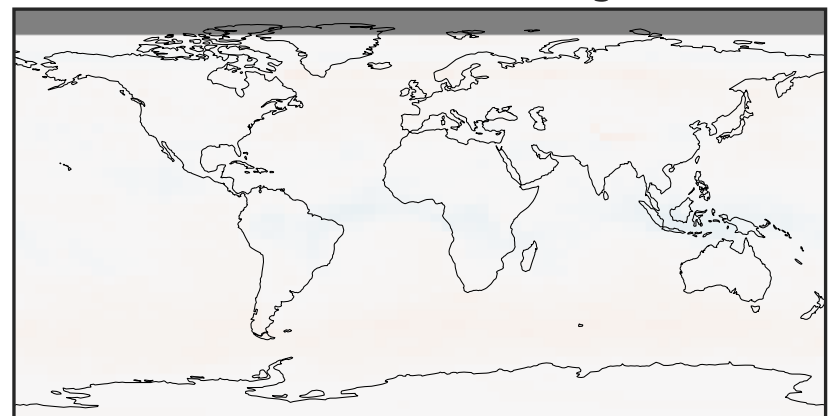
-5 0 5  $1e-8$   
s-1

Ratio  
Dev/Ref, Dynamic Range



0.96592 0.98296 1.00000 1.01764 1.03528  
unitless

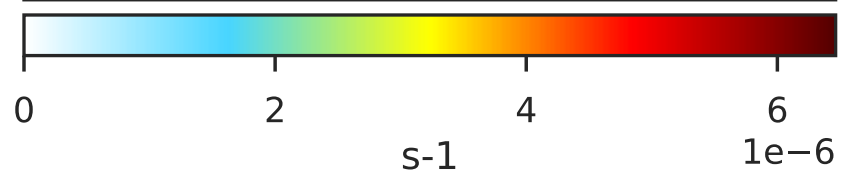
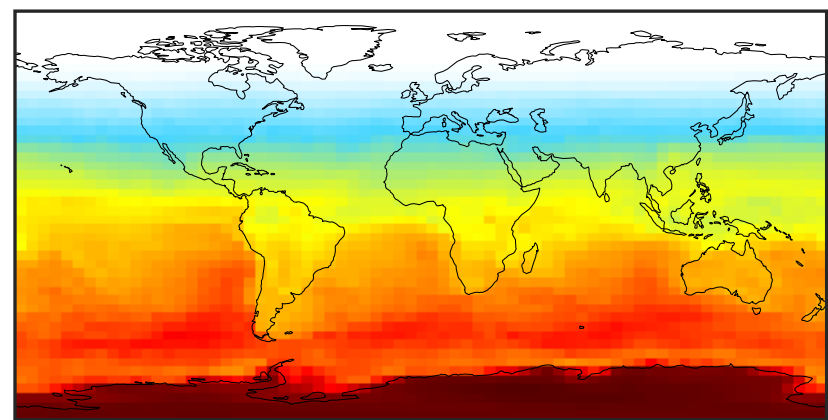
Ratio  
Dev/Ref, Fixed Range



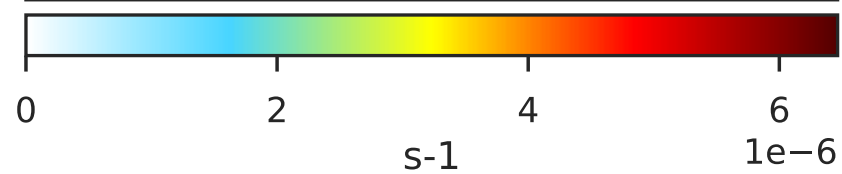
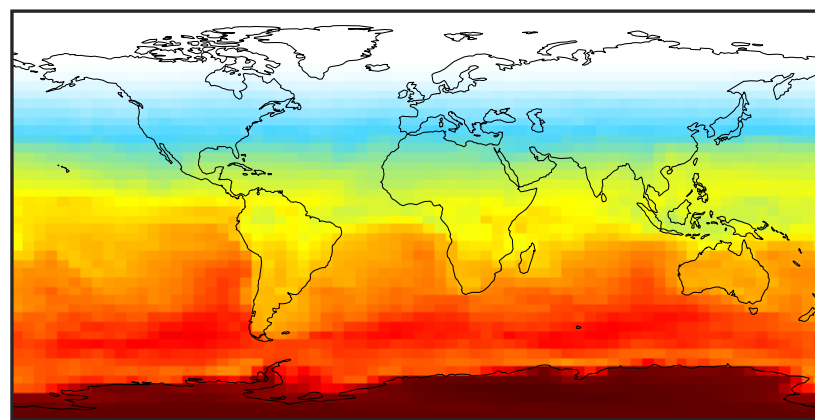
0.50 0.75 1.00 1.50 2.00  
unitless

# Jval\_ATOOH (Jan2019)

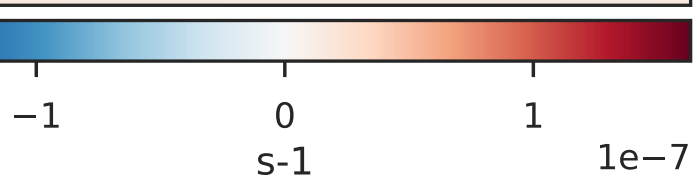
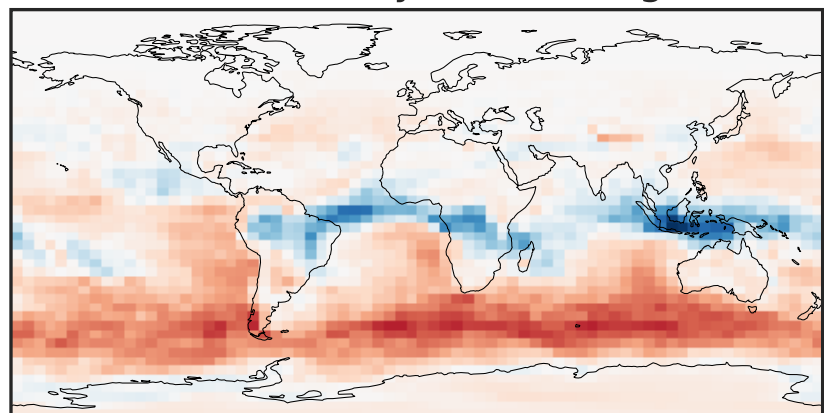
14.2.0-rc.2 (Ref)  
4.0x5.0



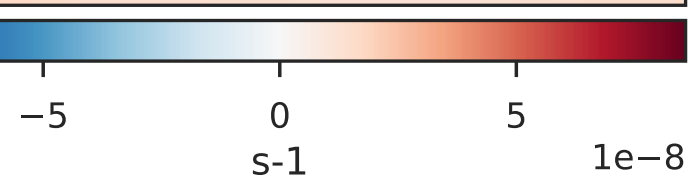
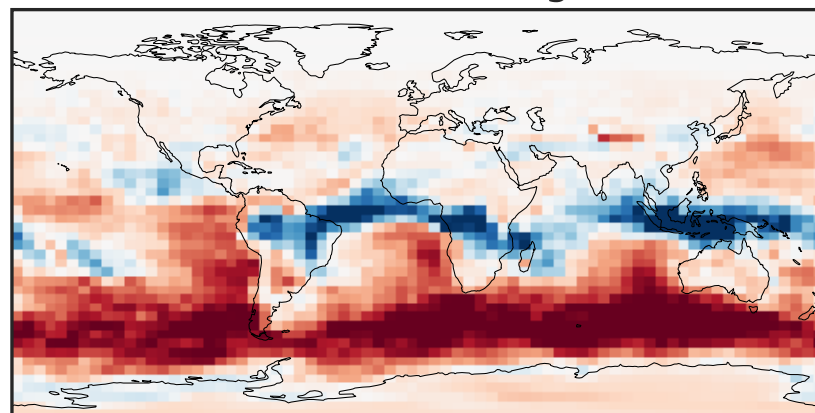
14.3.0-rc.0 (Dev)  
4.0x5.0



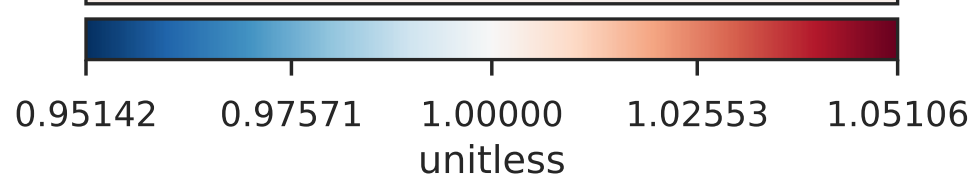
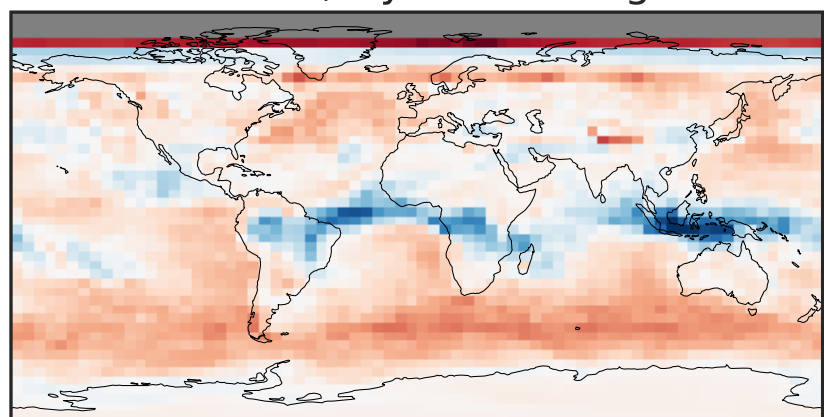
Difference  
Dev - Ref, Dynamic Range



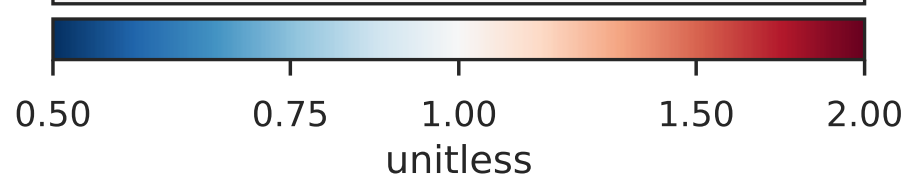
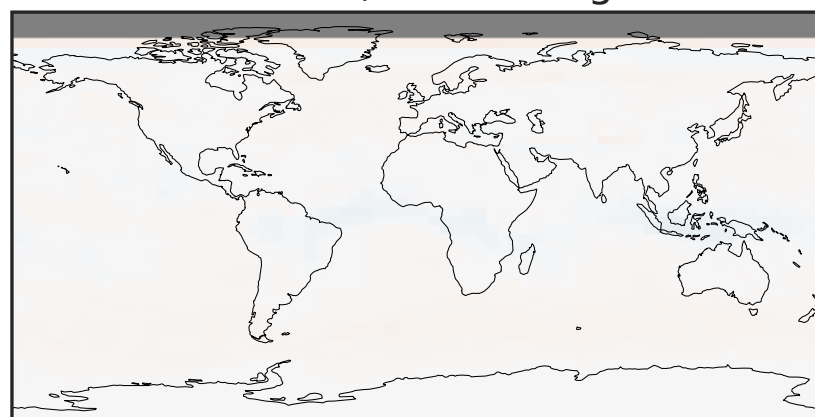
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

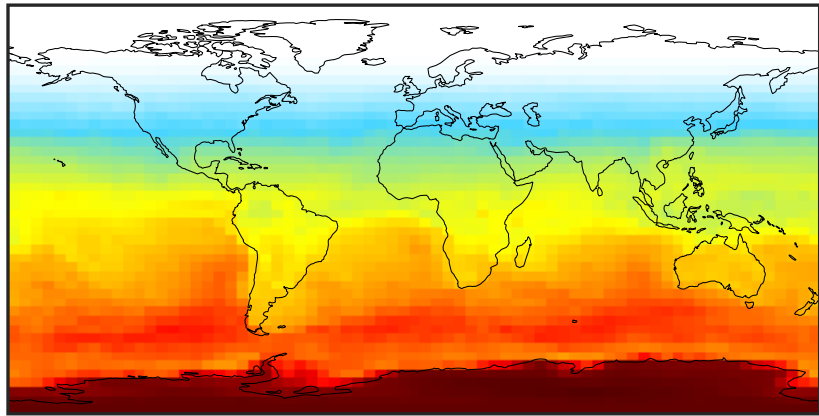


Ratio  
Dev/Ref, Fixed Range



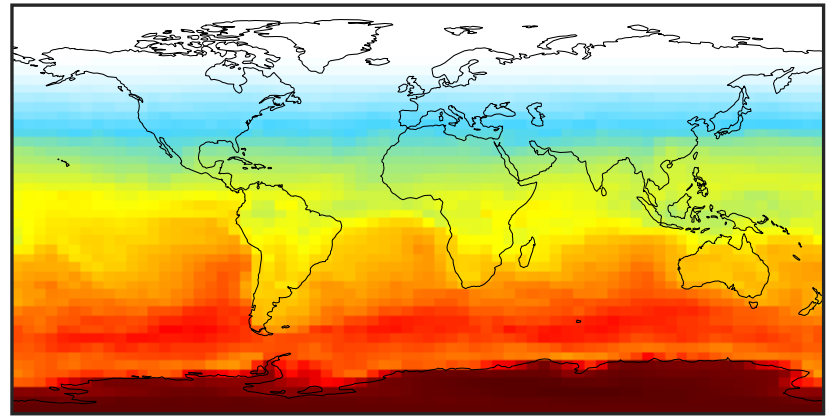
# Jval\_BALD (Jan2019)

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



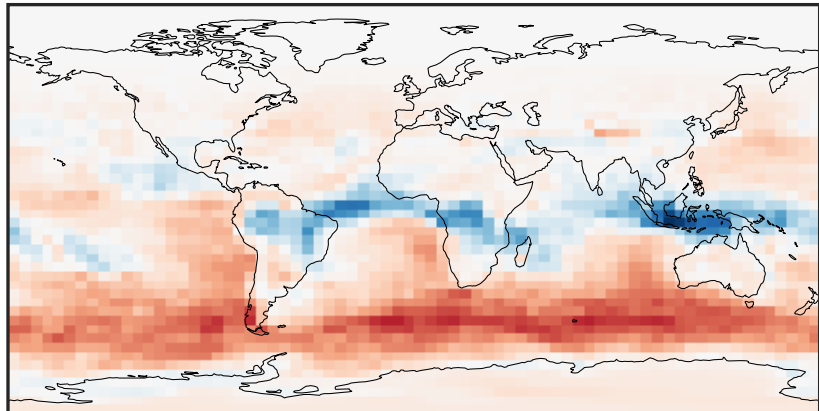
0.0 0.8 1.6 2.4  
s-1  $1e-5$

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



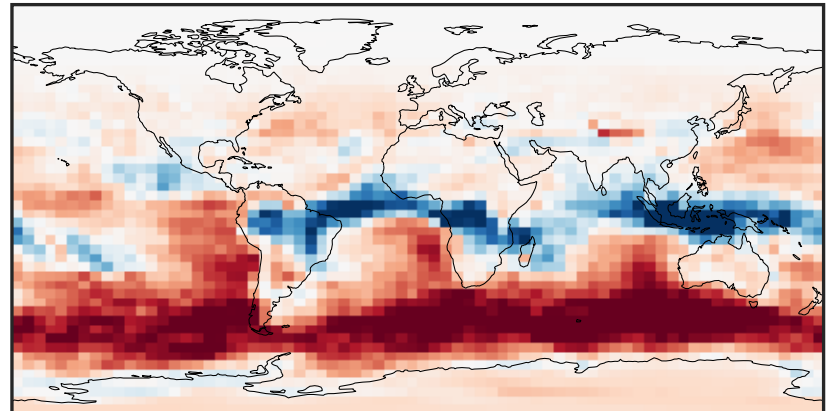
0.0 0.8 1.6 2.4  
s-1  $1e-5$

Difference  
Dev - Ref, Dynamic Range



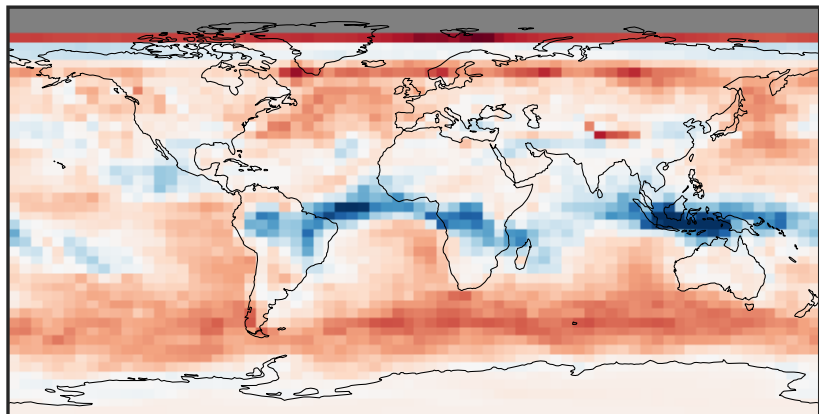
-4 0 4  
s-1  $1e-7$

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



-2 0 2  
s-1  $1e-7$

Ratio  
Dev/Ref, Dynamic Range



0.95848 0.97924 1.00000 1.02166 1.04332  
unitless

Ratio  
Dev/Ref, Fixed Range

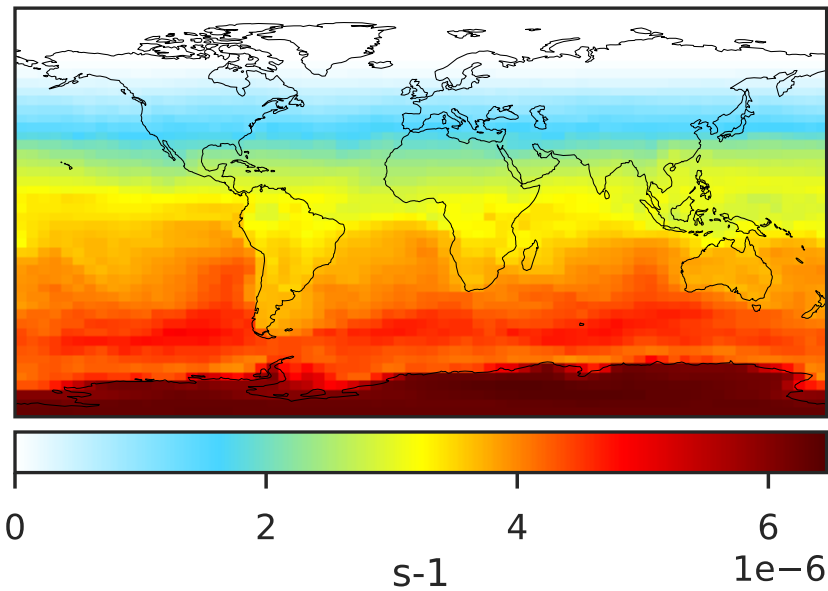


0.50 0.75 1.00 1.50 2.00  
unitless

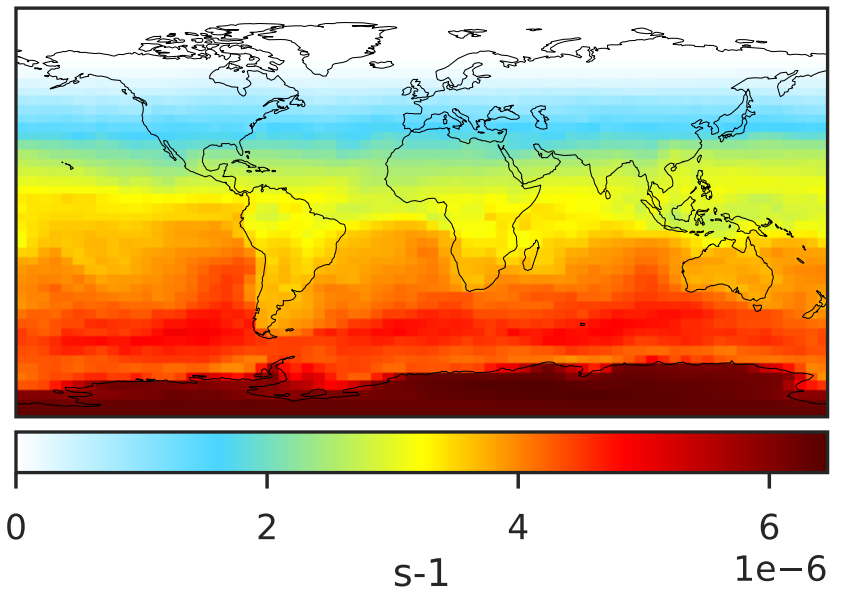


# Jval\_BENZP (Jan2019)

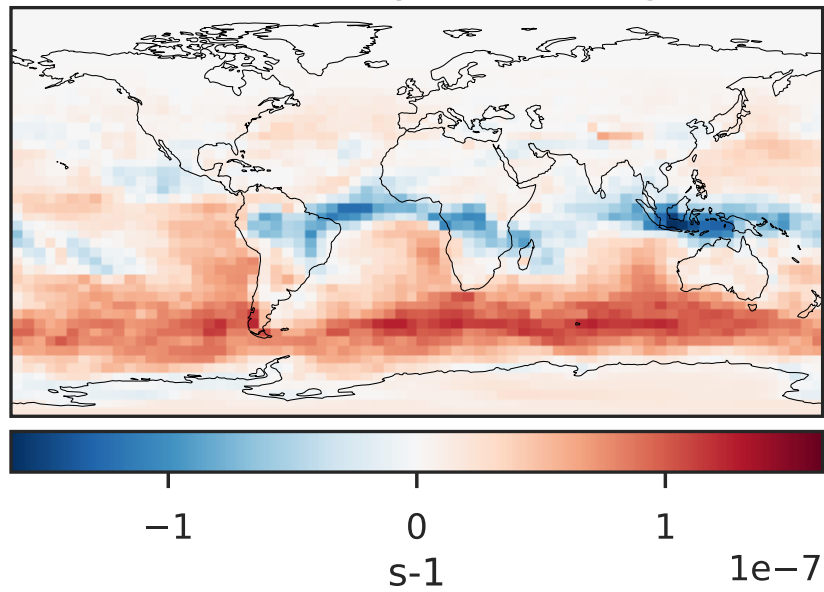
14.2.0-rc.2 (Ref)  
4.0x5.0



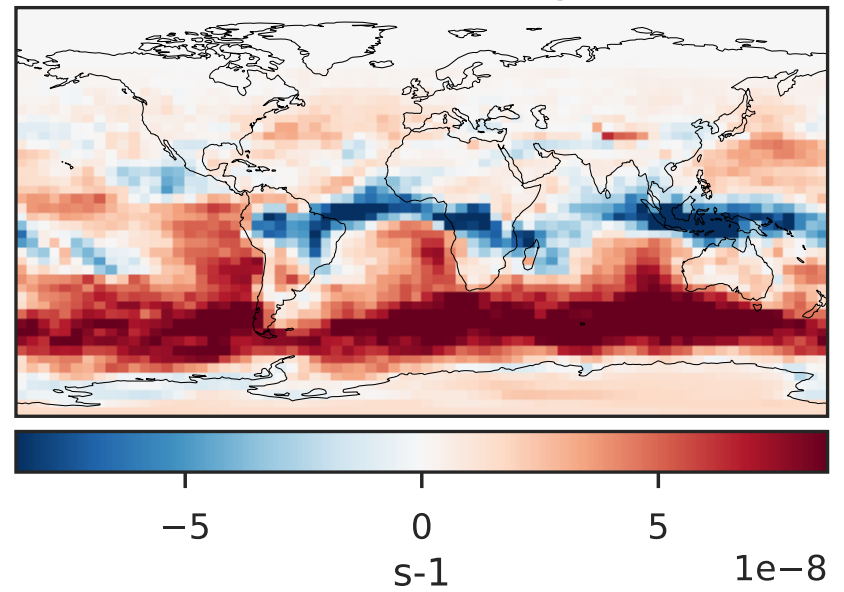
14.3.0-rc.0 (Dev)  
4.0x5.0



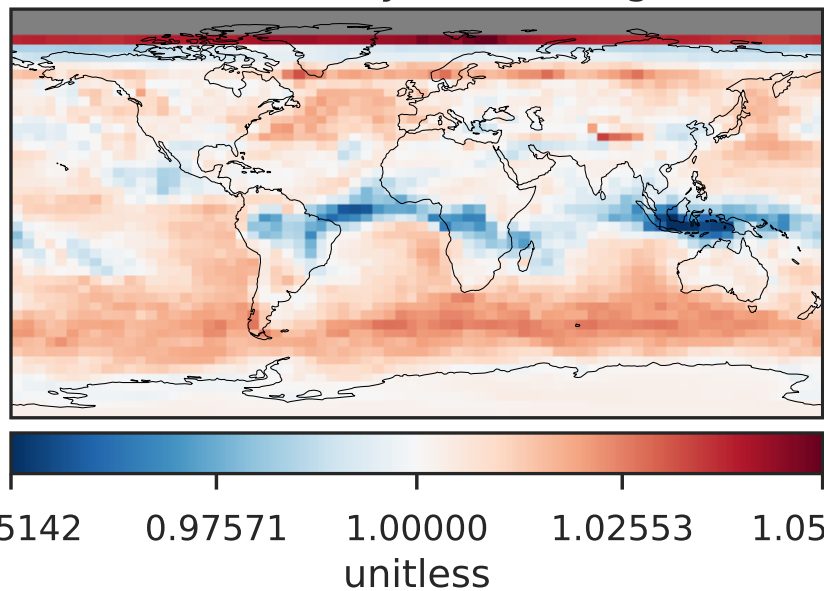
Difference  
Dev - Ref, Dynamic Range



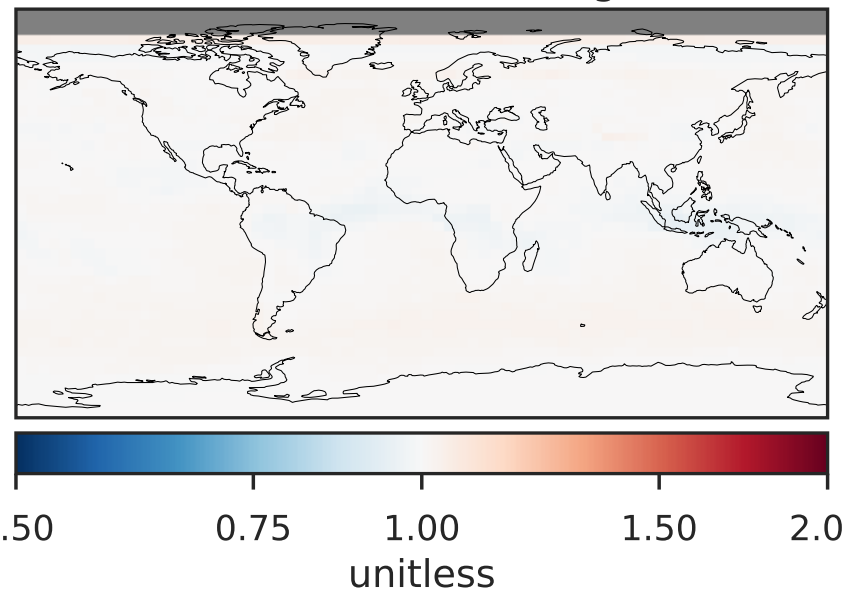
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

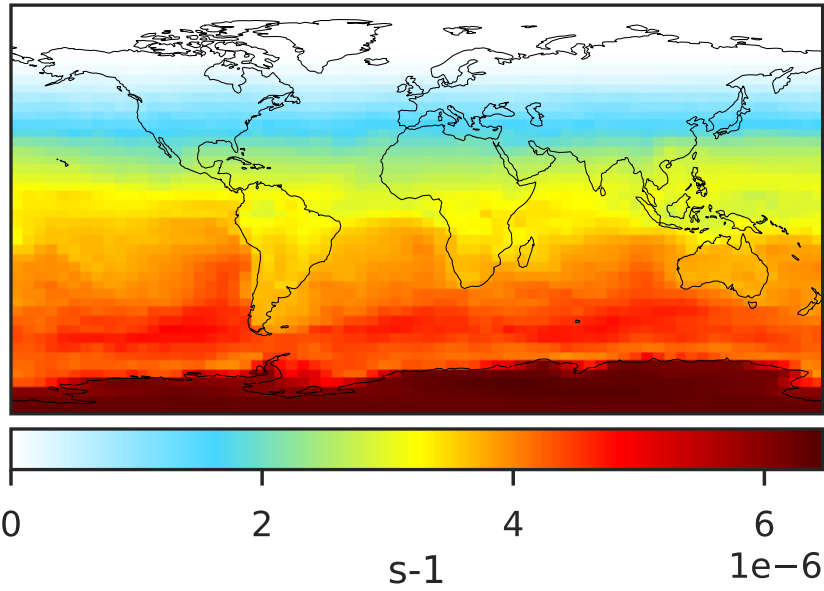


Ratio  
Dev/Ref, Fixed Range

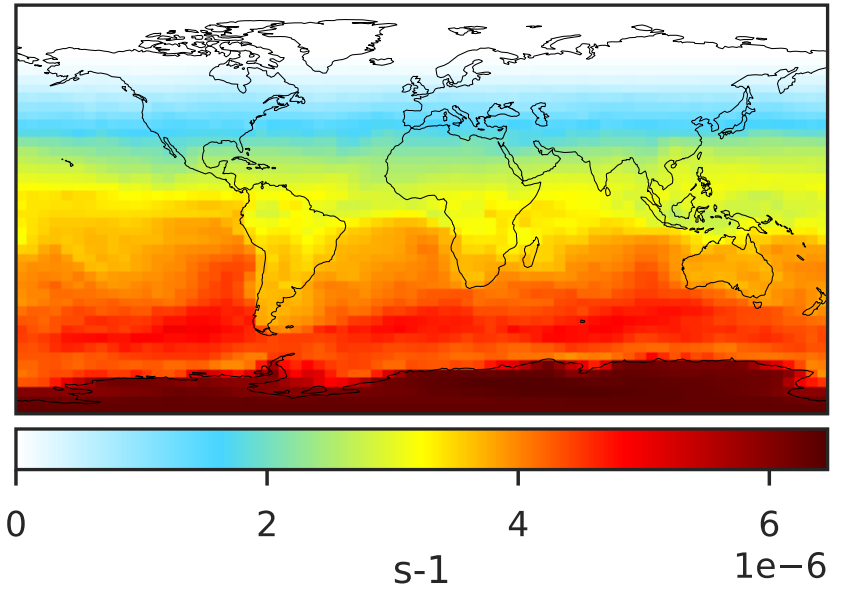


# Jval\_BZCO3H (Jan2019)

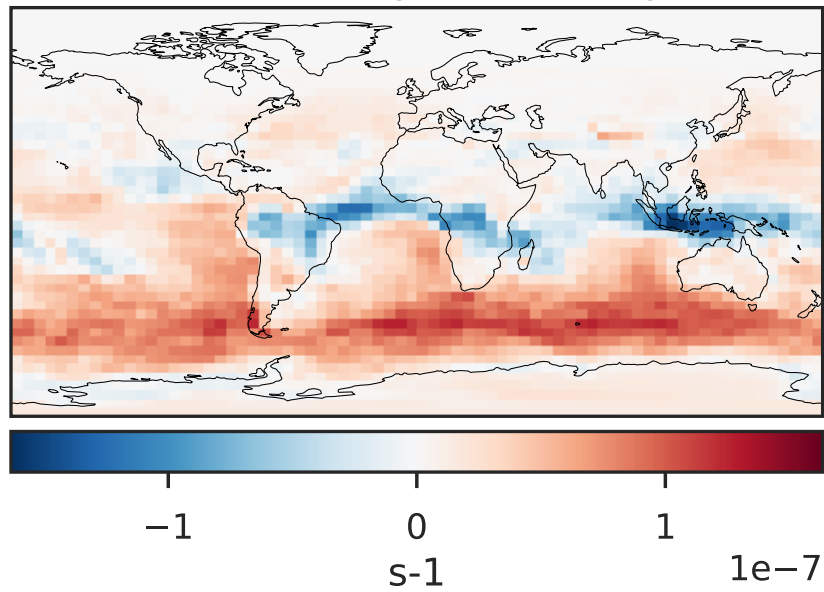
14.2.0-rc.2 (Ref)  
4.0x5.0



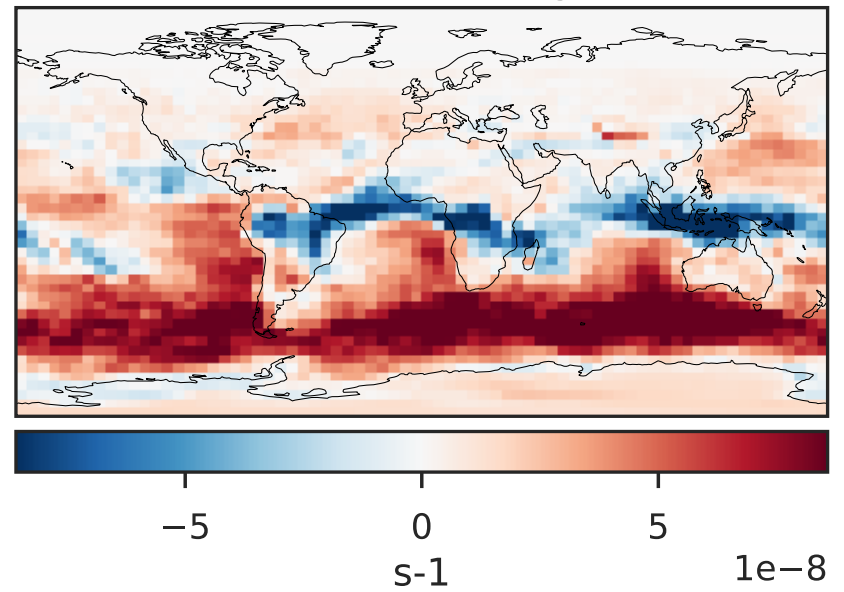
14.3.0-rc.0 (Dev)  
4.0x5.0



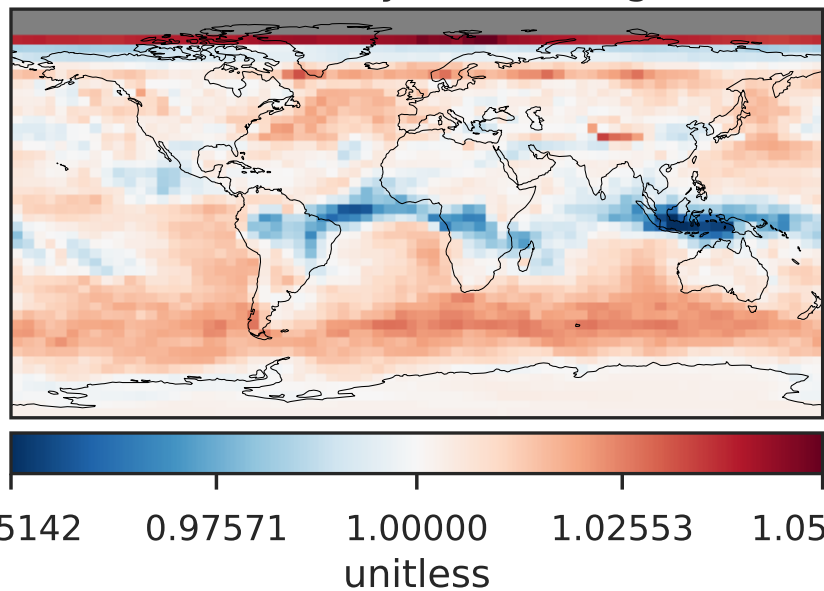
Difference  
Dev - Ref, Dynamic Range



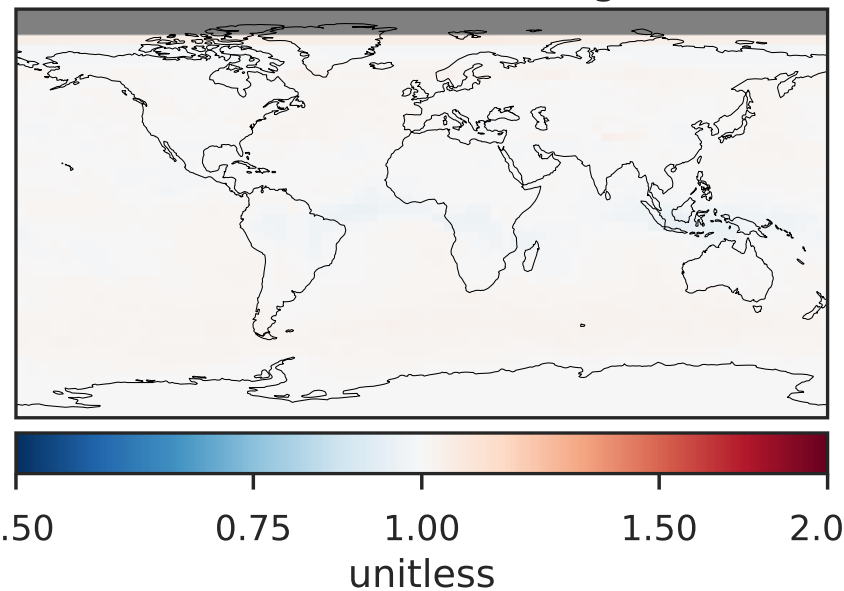
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

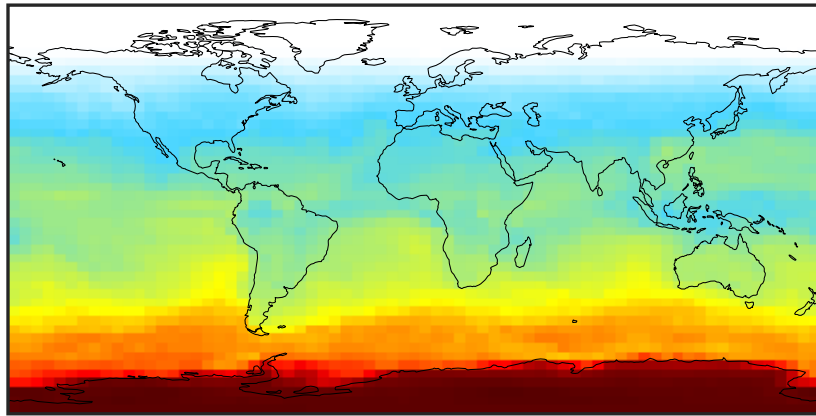


Ratio  
Dev/Ref, Fixed Range



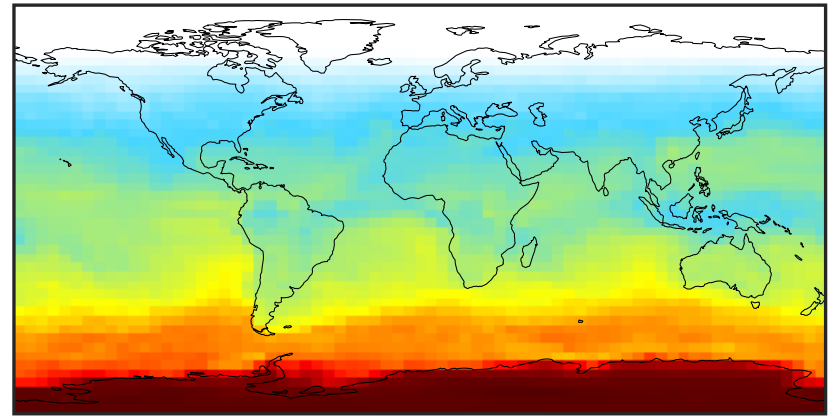
# Jval\_Br2 (Jan2019)

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



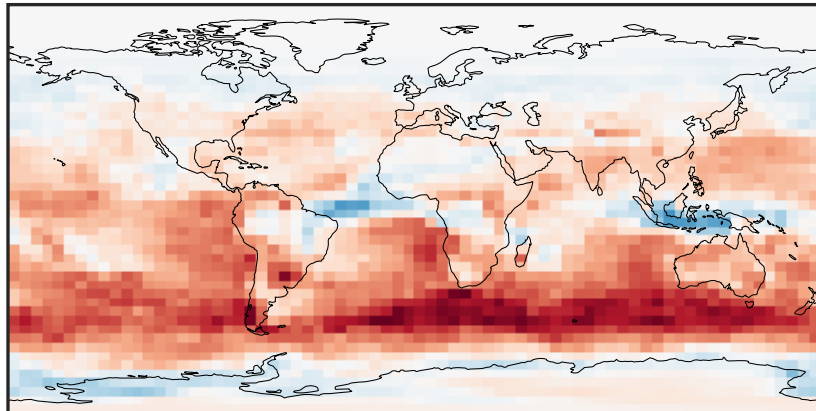
0.000 0.015 0.030 0.045  
s-1

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



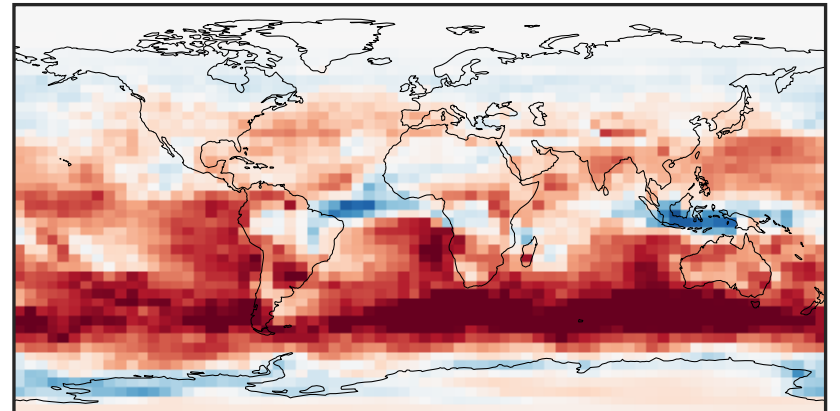
0.000 0.015 0.030 0.045  
s-1

Difference  
Dev - Ref, Dynamic Range



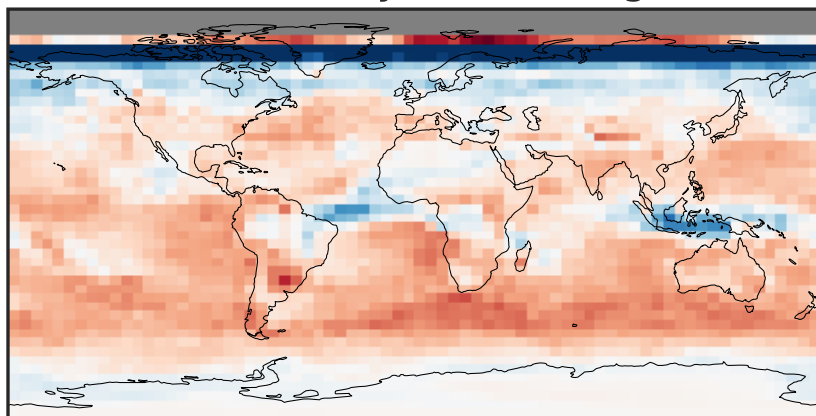
-0.0006 0.0000 0.0006  
s-1

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



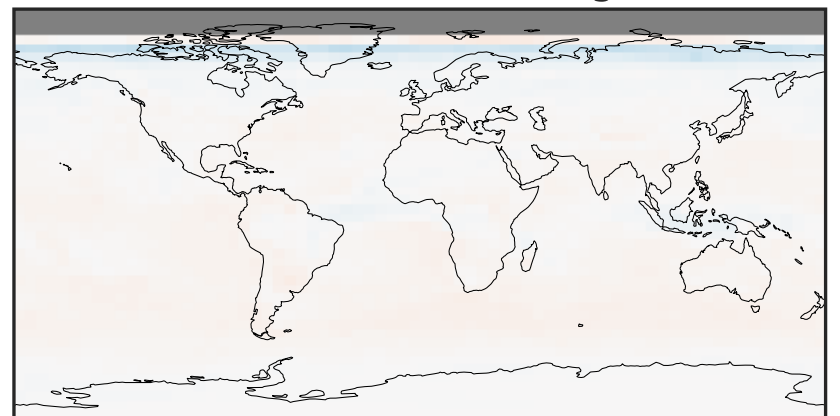
-0.0004 0.0000 0.0004  
s-1

Ratio  
Dev/Ref, Dynamic Range



0.9389 0.9694 1.0000 1.0326 1.0651  
unitless

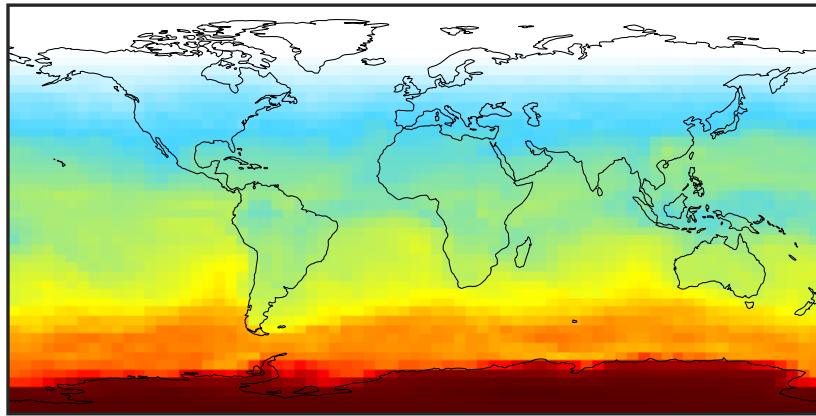
Ratio  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

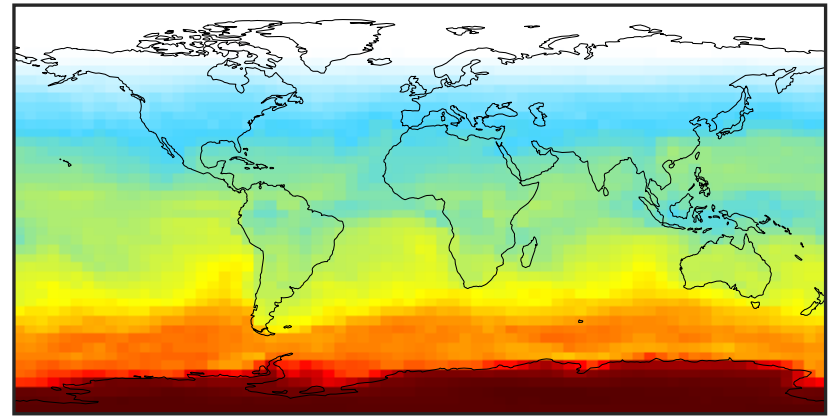
# Jval\_BrCl (Jan2019)

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



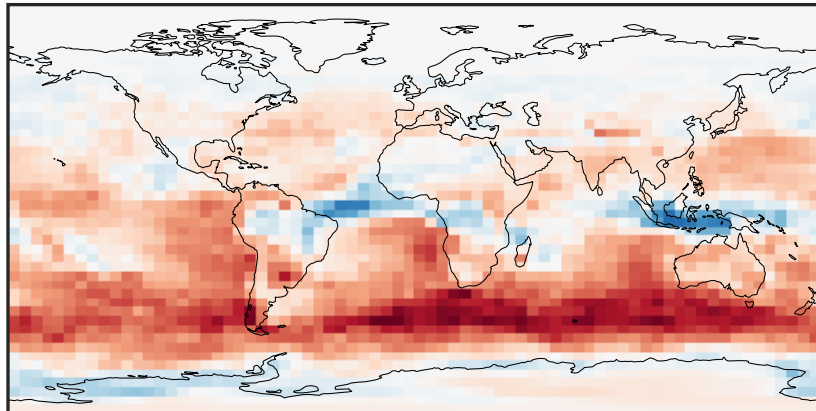
0.000 0.004 0.008 0.012  
s-1

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



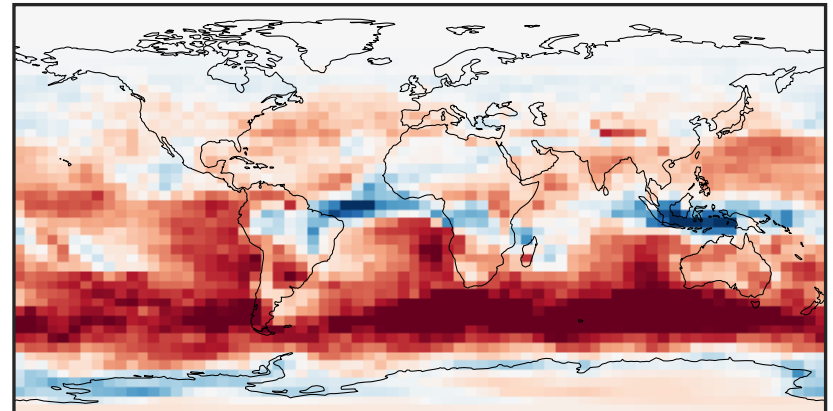
0.000 0.004 0.008 0.012  
s-1

Difference  
Dev - Ref, Dynamic Range



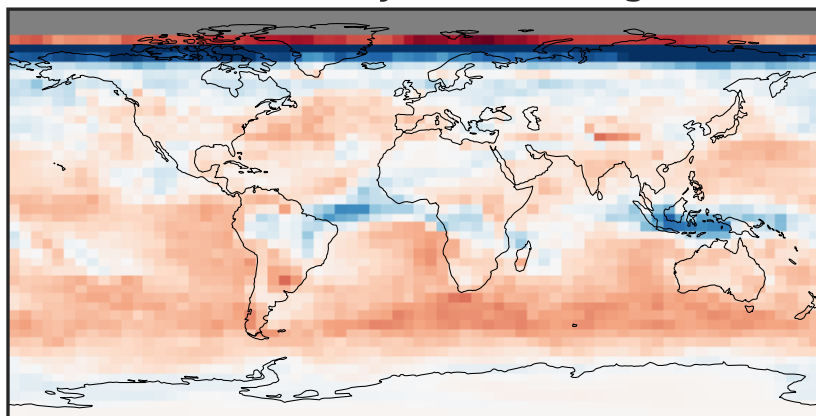
-0.00015 0.00000 0.00015  
s-1

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



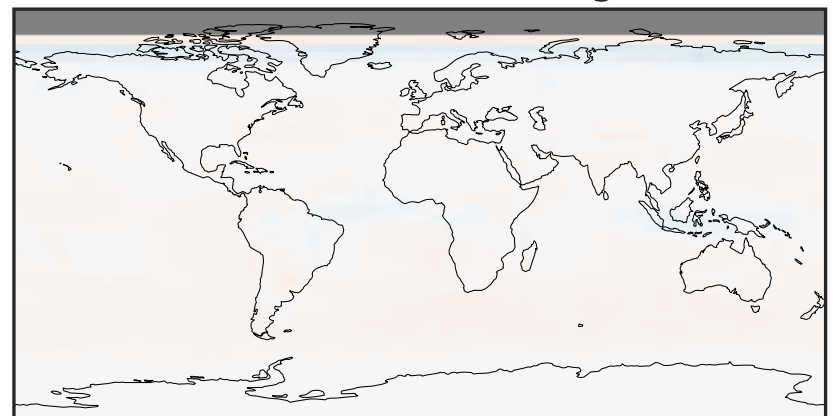
-0.0001 0.0000 0.0001  
s-1

Ratio  
Dev/Ref, Dynamic Range



0.9383 0.9691 1.000 1.0329 1.0658  
unitless

Ratio  
Dev/Ref, Fixed Range

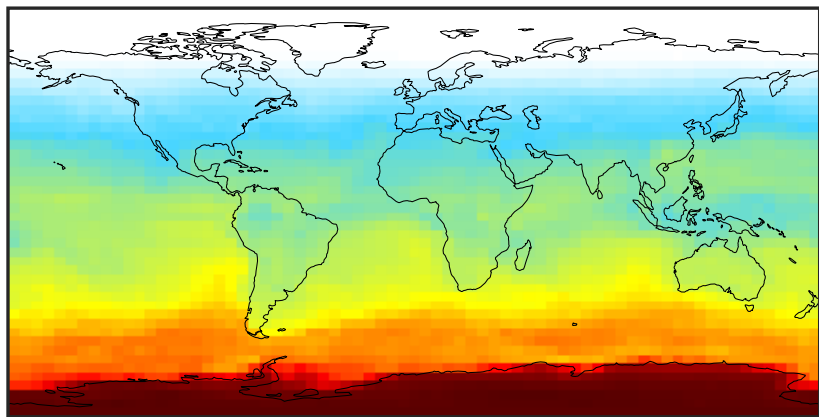


0.50 0.75 1.00 1.50 2.00  
unitless



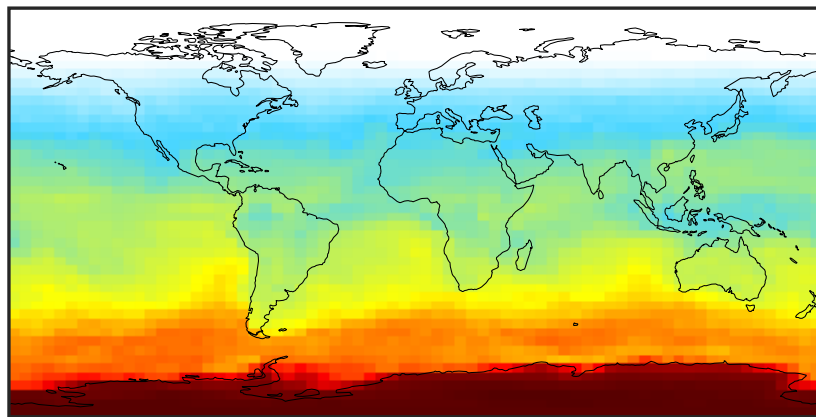
# Jval\_BrNO2 (Jan2019)

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



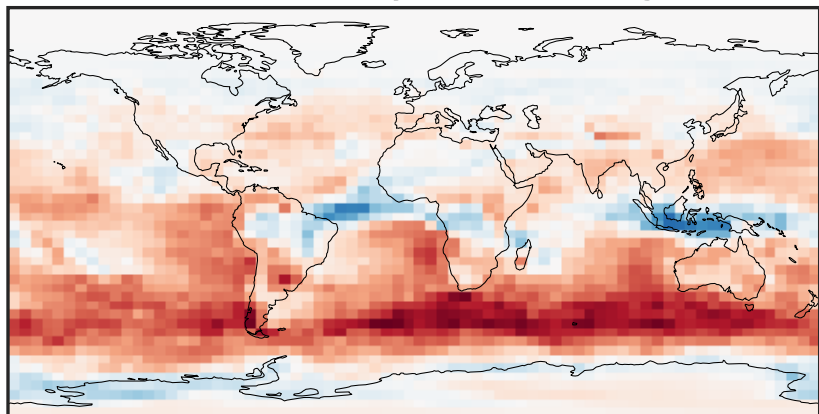
0.0000 0.0025 0.0050 0.0075  
s-1

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



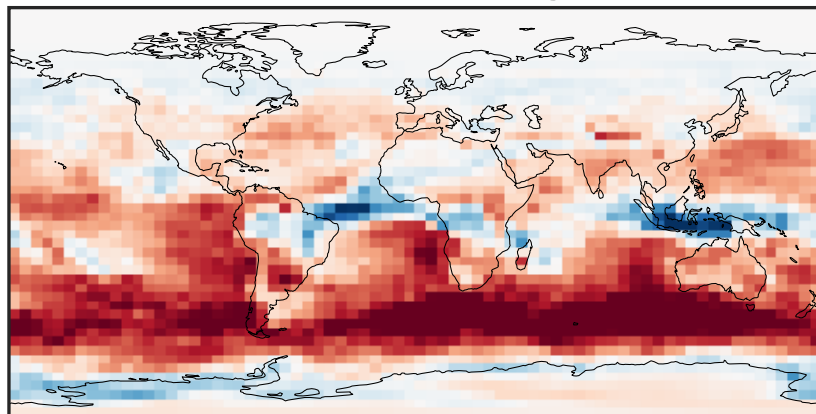
0.0000 0.0025 0.0050 0.0075  
s-1

Difference  
Dev - Ref, Dynamic Range



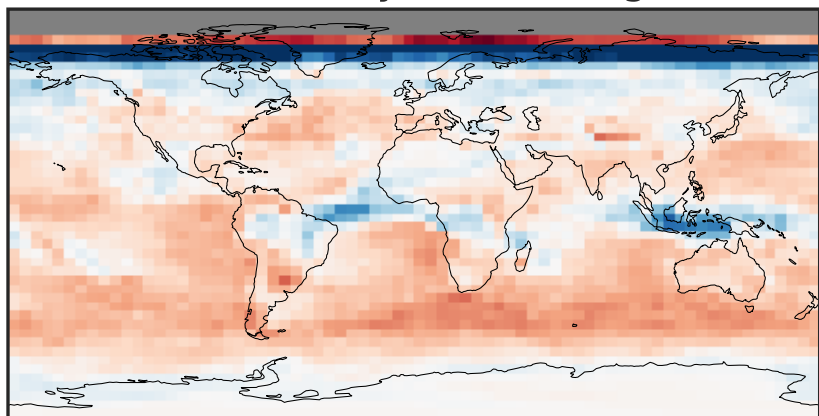
-0.0001 0.0000 0.0001  
s-1

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



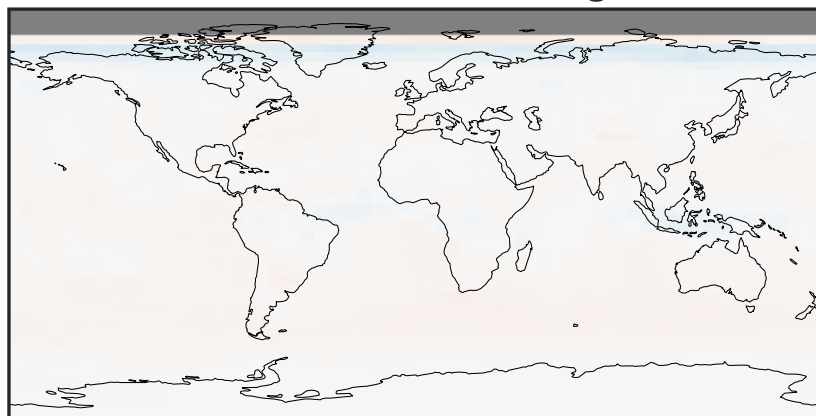
-8 0 8  
s-1 1e-5

Ratio  
Dev/Ref, Dynamic Range



0.9393 0.9696 1.0000 1.0323 1.0646  
unitless

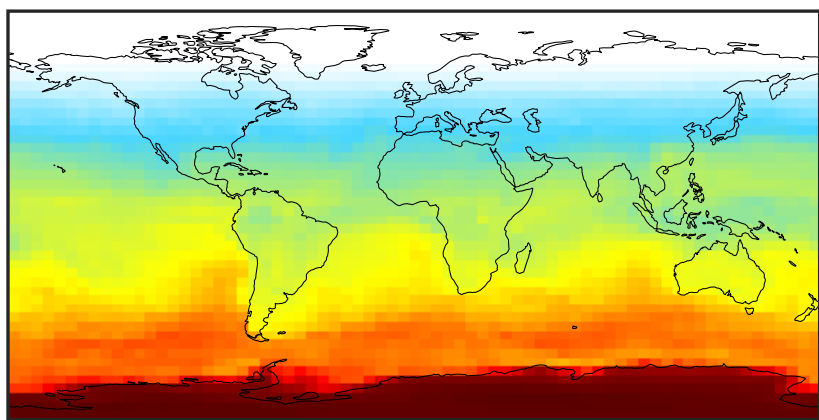
Ratio  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

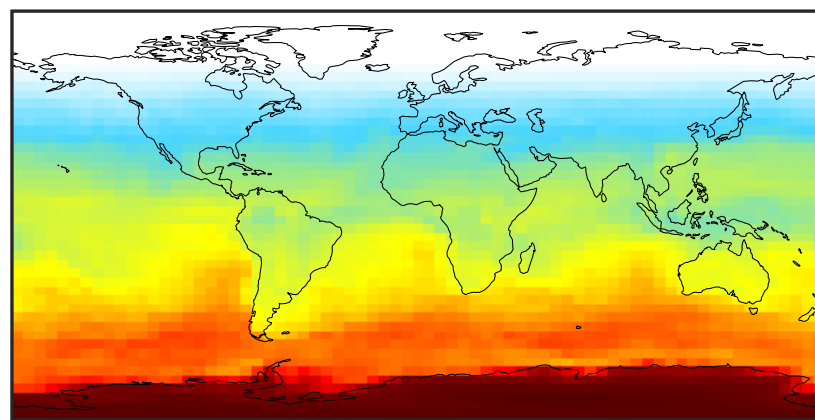
# Jval\_BrNO3 (Jan2019)

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



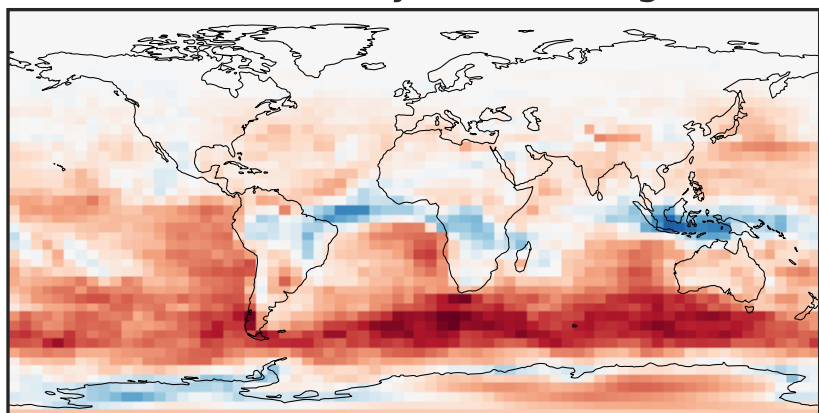
0.0000 0.0005 0.0010 0.0015  
s-1

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



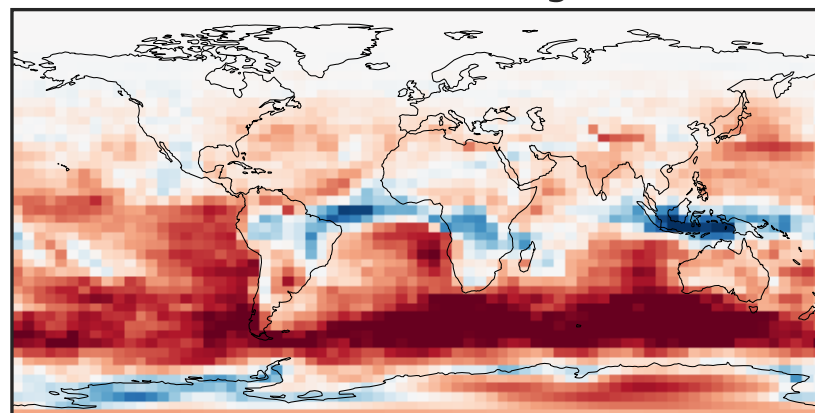
0.0000 0.0005 0.0010 0.0015  
s-1

Difference  
Dev - Ref, Dynamic Range



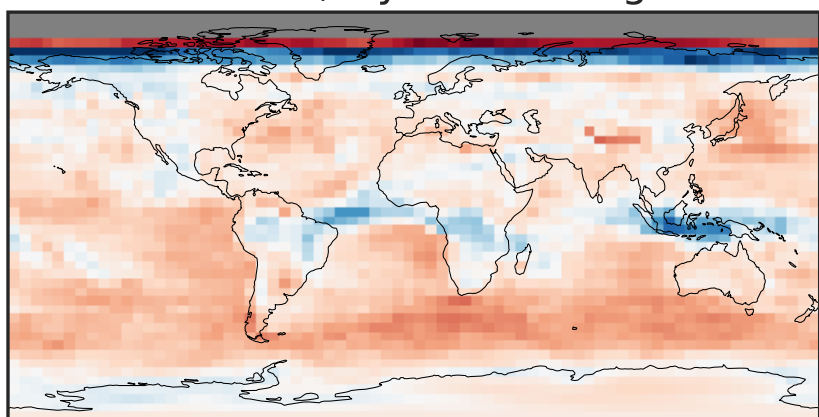
-2 0 2  
s-1 1e-5

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



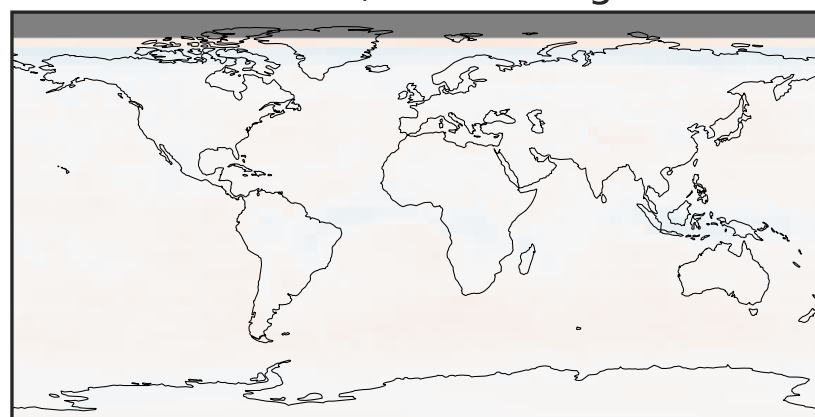
-1.5 0.0 1.5  
s-1 1e-5

Ratio  
Dev/Ref, Dynamic Range



0.9407 0.9703 1.0000 1.0315 1.0631  
unitless

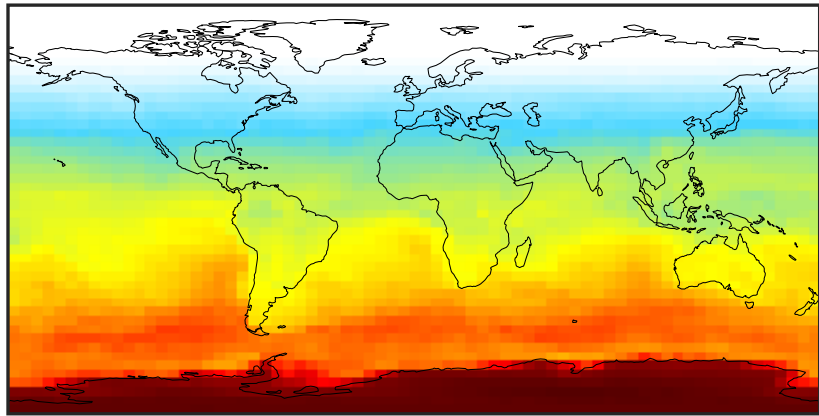
Ratio  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

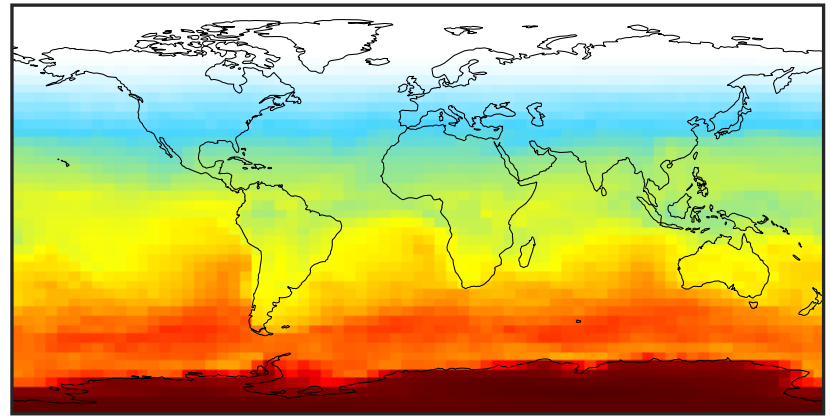
# Jval\_BrO (Jan2019)

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



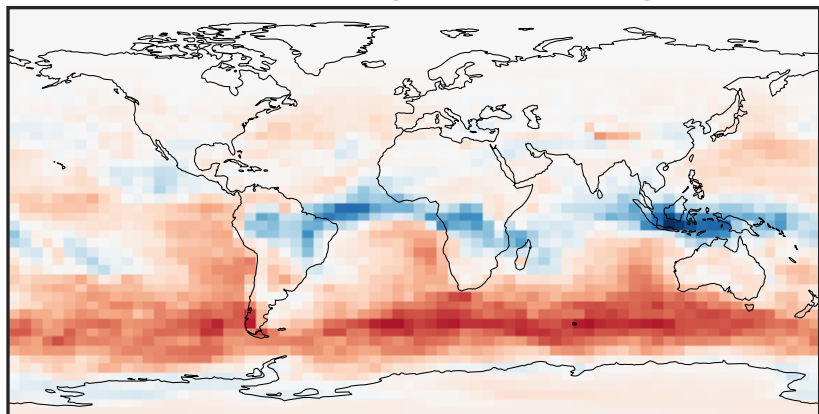
0.000 0.015 0.030 0.045  
s-1

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



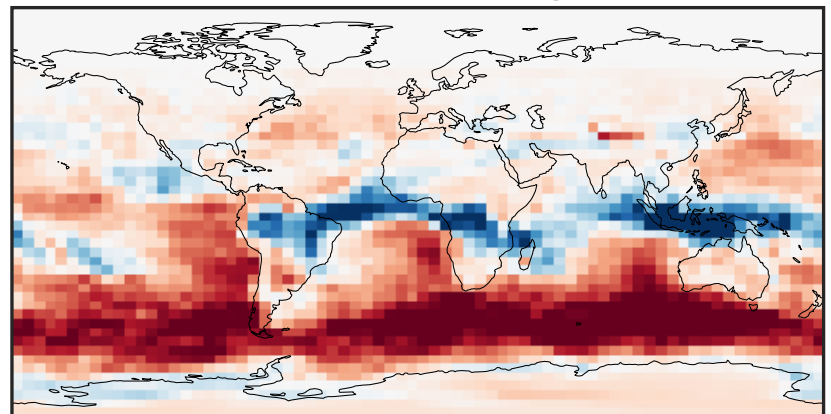
0.000 0.015 0.030 0.045  
s-1

Difference  
Dev - Ref, Dynamic Range



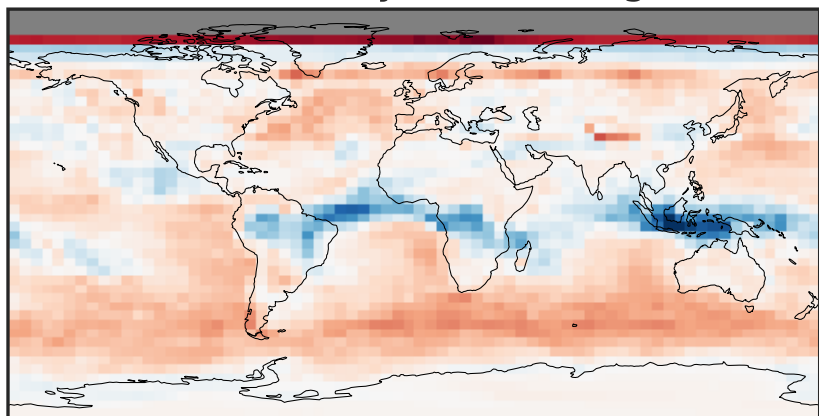
-0.0006 0.0000 0.0006  
s-1

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



-0.0004 0.0000 0.0004  
s-1

Ratio  
Dev/Ref, Dynamic Range



0.9481 0.9741 1.0000 1.0274 1.0547  
unitless

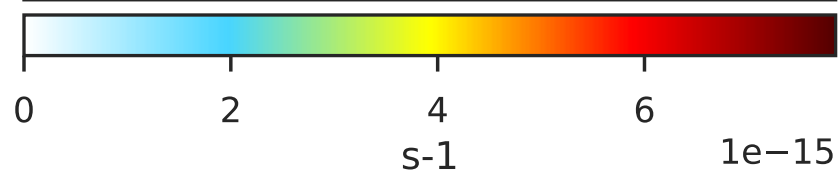
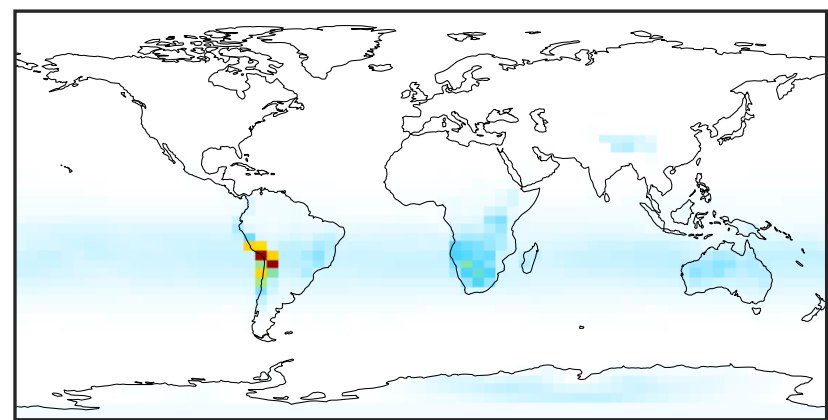
Ratio  
Dev/Ref, Fixed Range



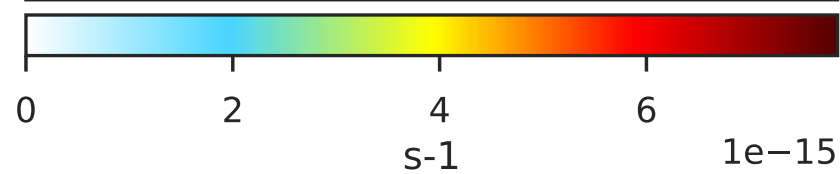
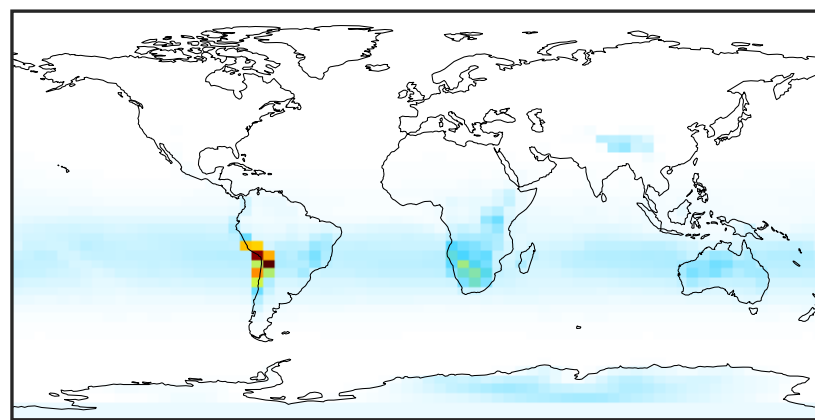
0.50 0.75 1.00 1.50 2.00  
unitless

# Jval\_CCI4 (Jan2019)

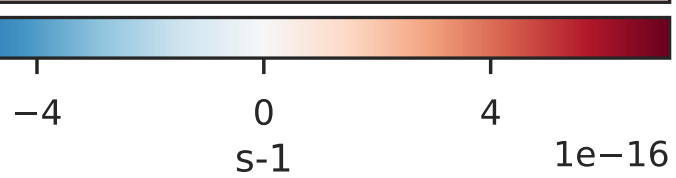
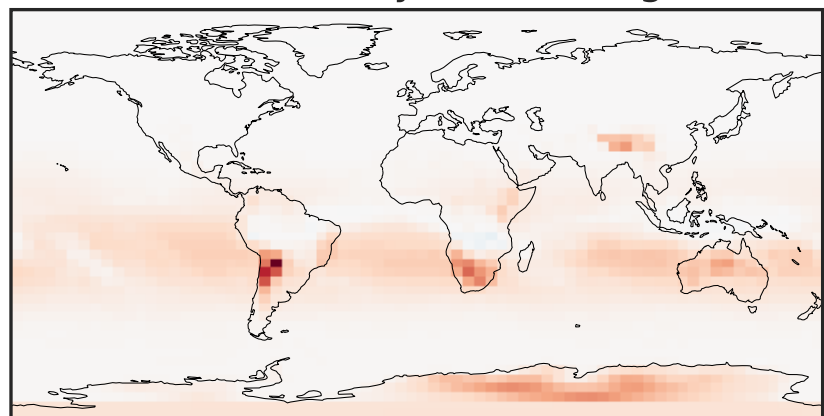
14.2.0-rc.2 (Ref)  
4.0x5.0



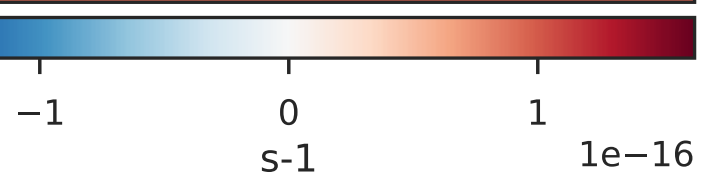
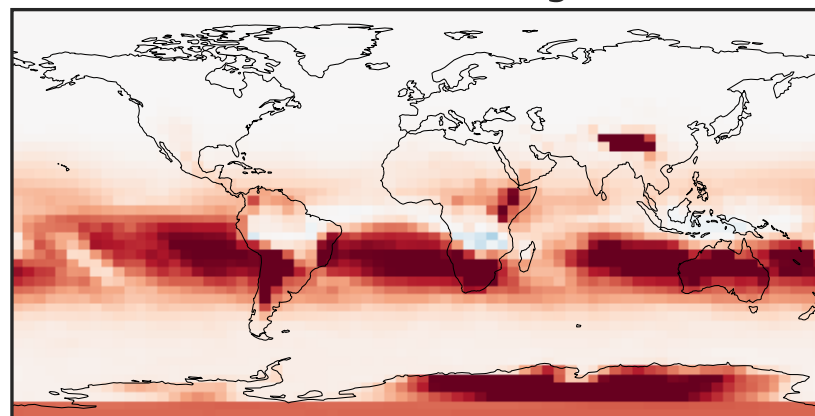
14.3.0-rc.0 (Dev)  
4.0x5.0



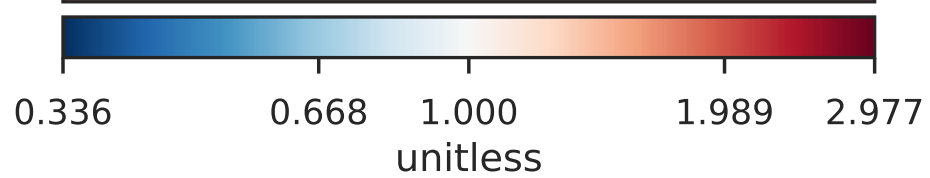
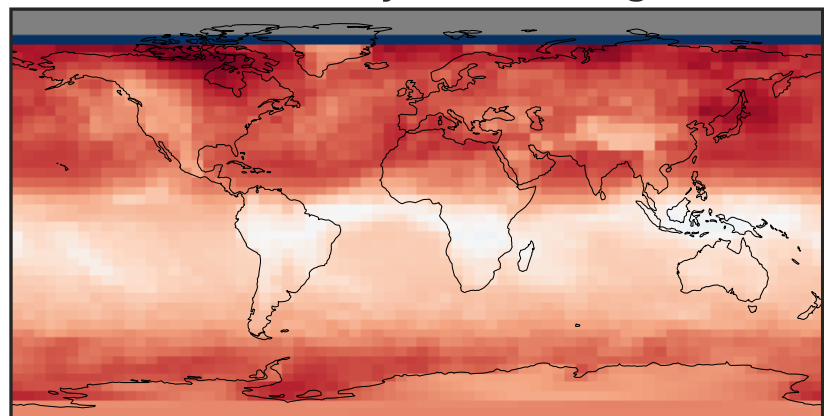
Difference  
Dev - Ref, Dynamic Range



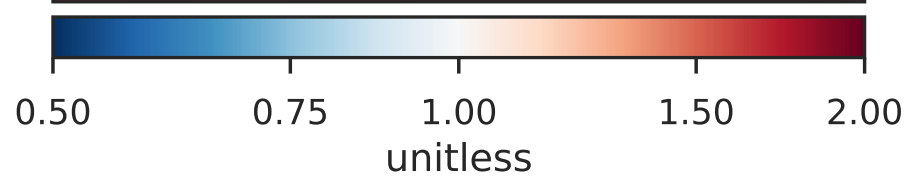
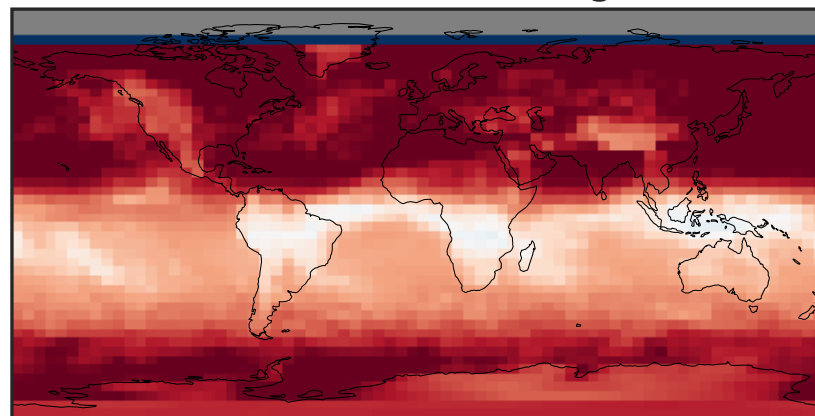
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



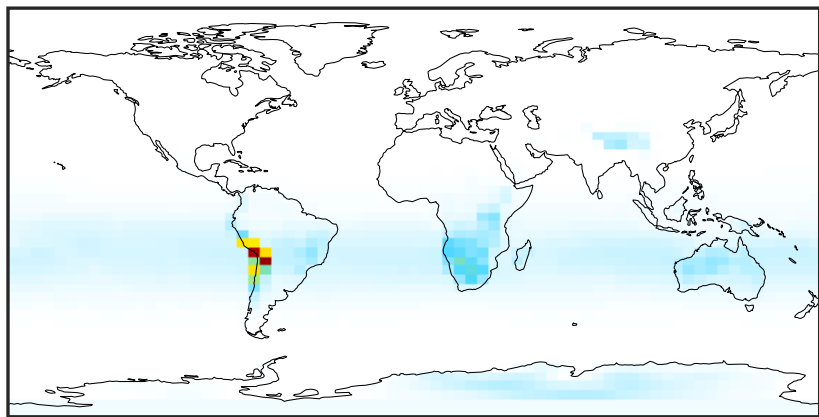
Ratio  
Dev/Ref, Fixed Range





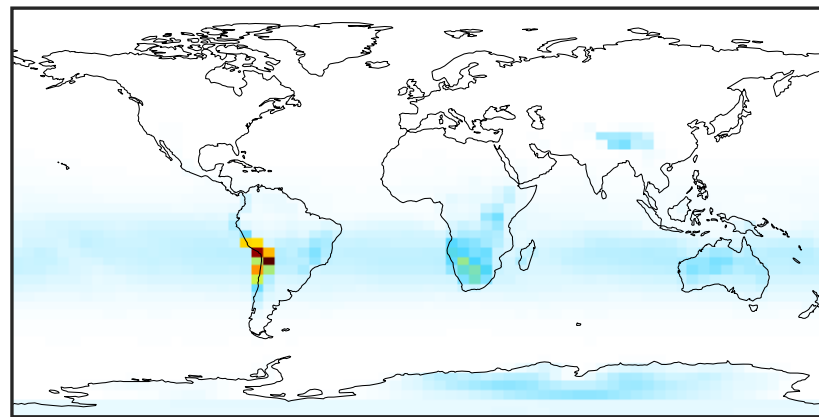
# Jval\_CFC11 (Jan2019)

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



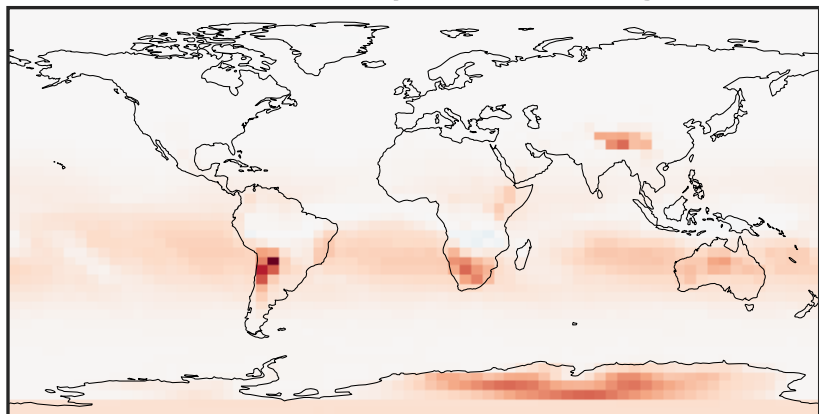
0.0 0.8 1.6 2.4  
s-1  $1e-15$

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



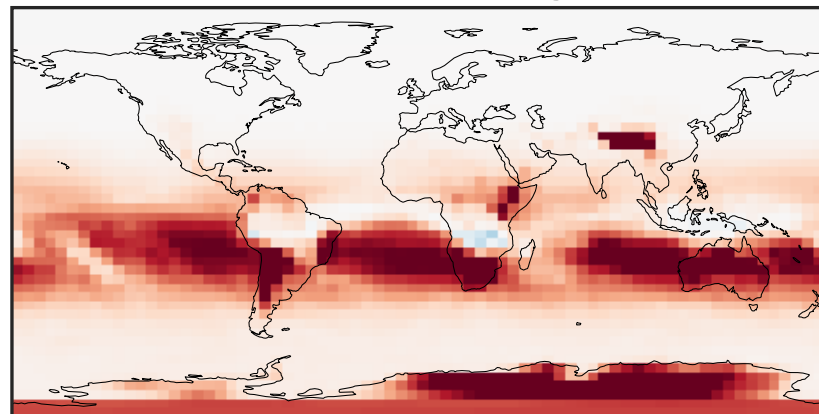
0.0 0.8 1.6 2.4  
s-1  $1e-15$

Difference  
Dev - Ref, Dynamic Range



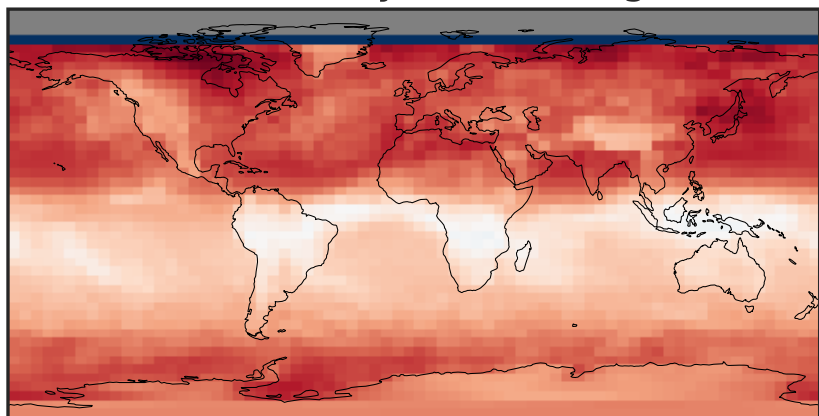
-1.5 0.0 1.5  
s-1  $1e-16$

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



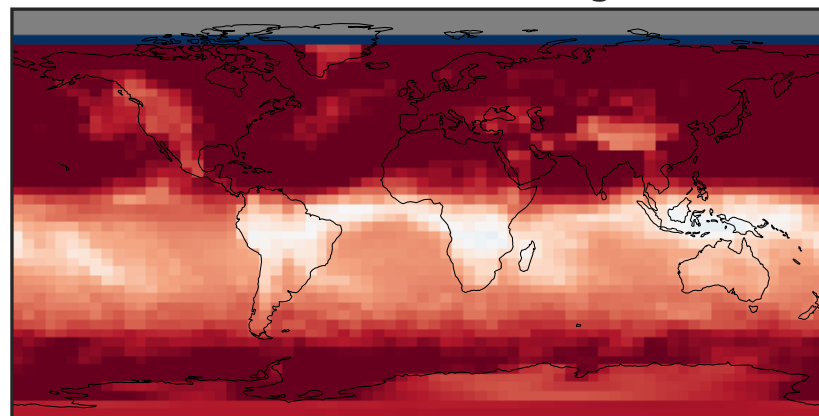
-4 0 4  
s-1  $1e-17$

Ratio  
Dev/Ref, Dynamic Range



0.319 0.660 1.000 2.066 3.132  
unitless

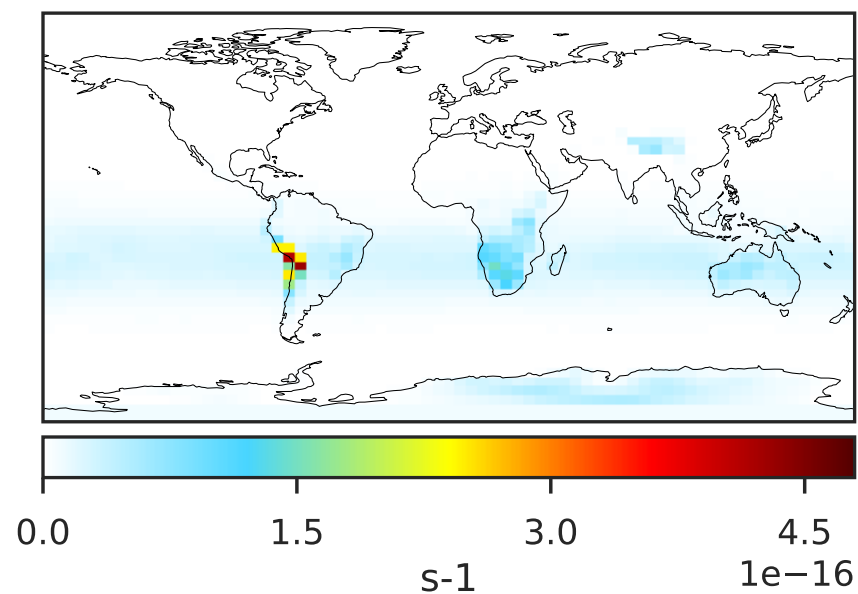
Ratio  
Dev/Ref, Fixed Range



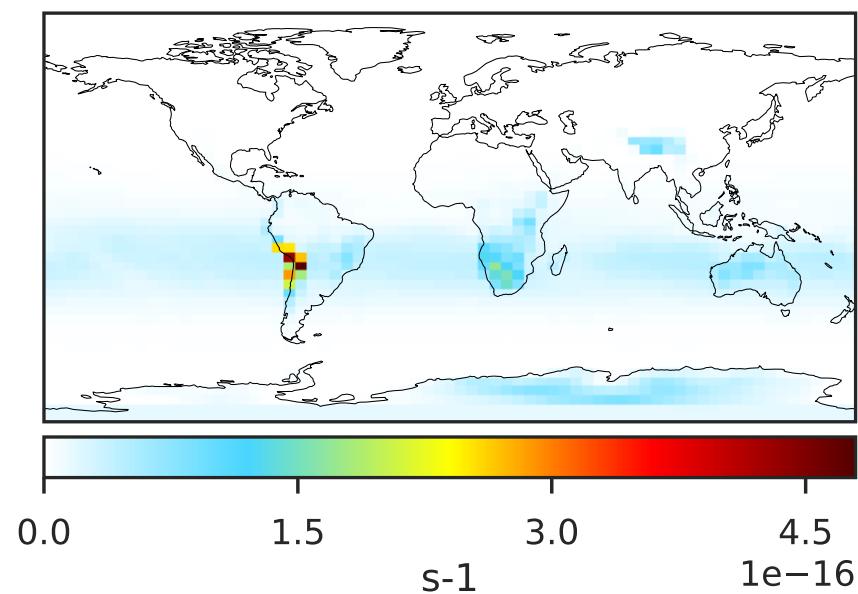
0.50 0.75 1.00 1.50 2.00  
unitless

# Jval\_CFC113 (Jan2019)

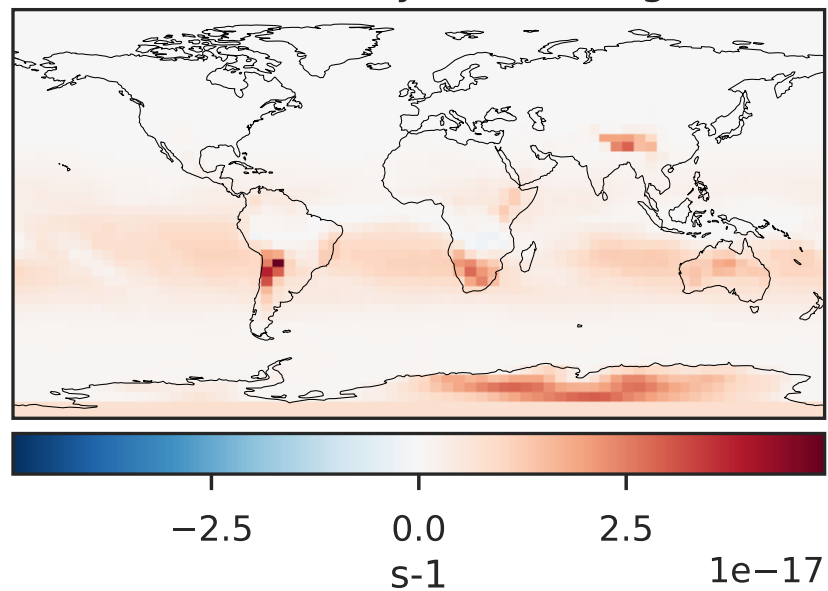
14.2.0-rc.2 (Ref)  
4.0x5.0



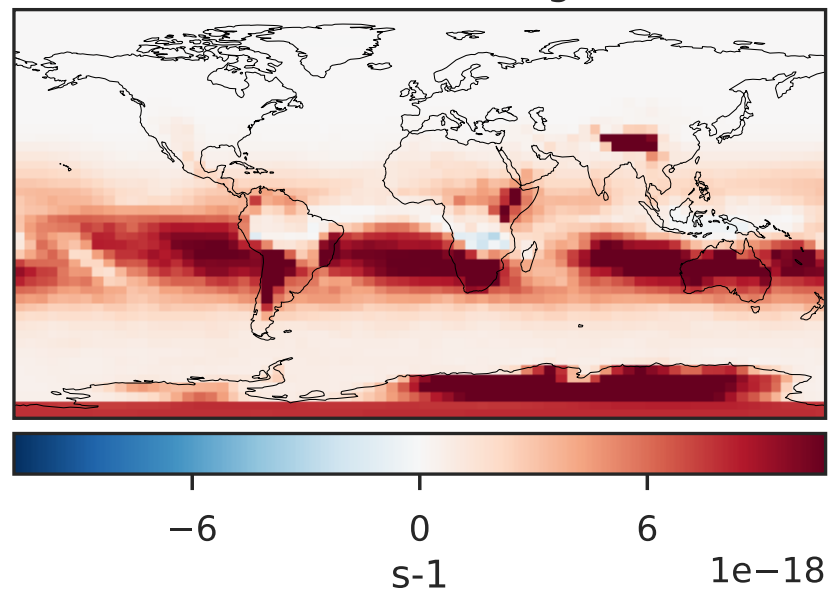
14.3.0-rc.0 (Dev)  
4.0x5.0



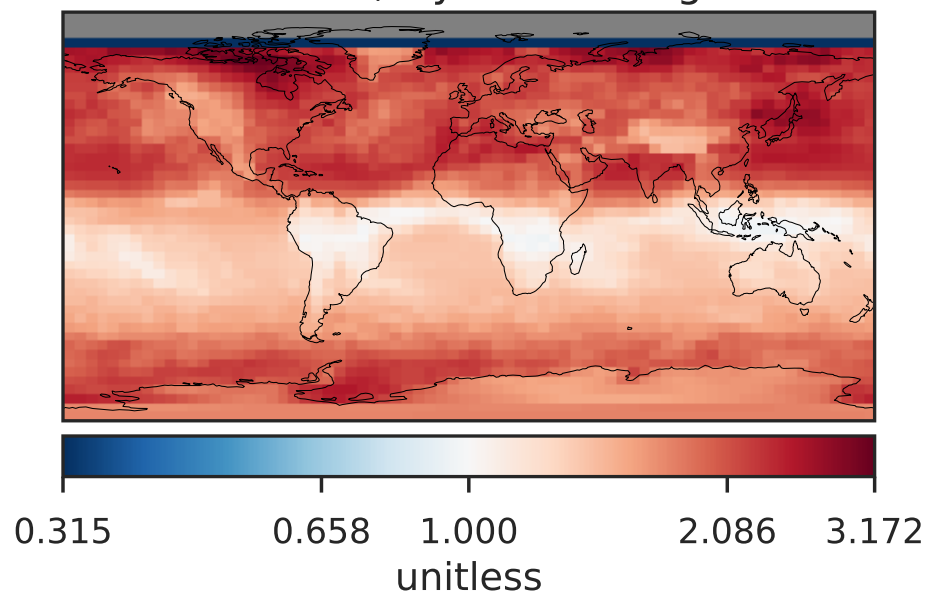
Difference  
Dev - Ref, Dynamic Range



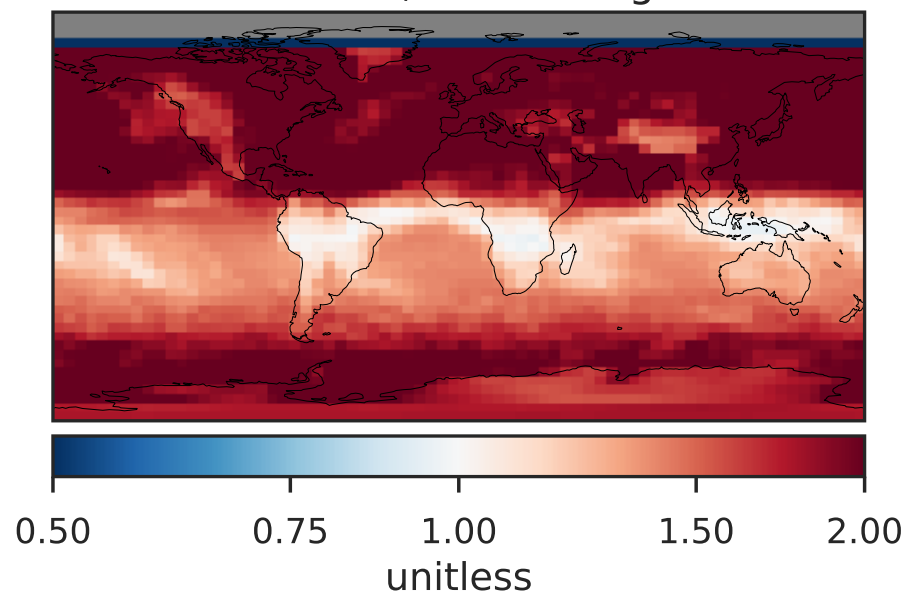
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

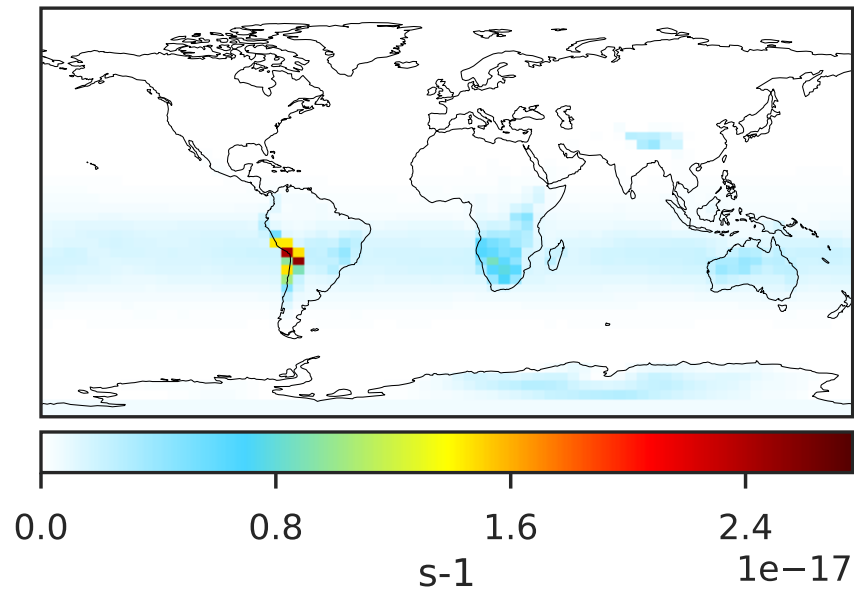


Ratio  
Dev/Ref, Fixed Range

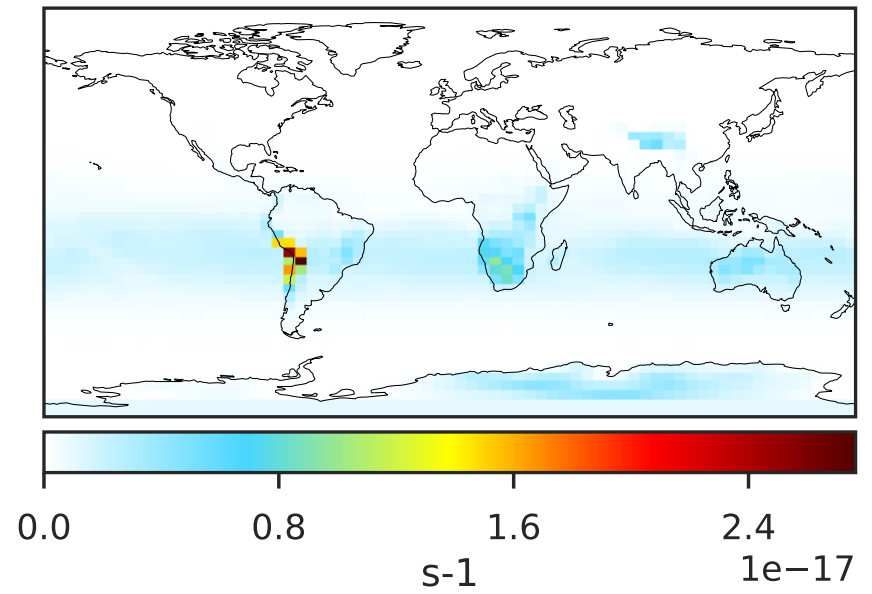


# Jval\_CFC114 (Jan2019)

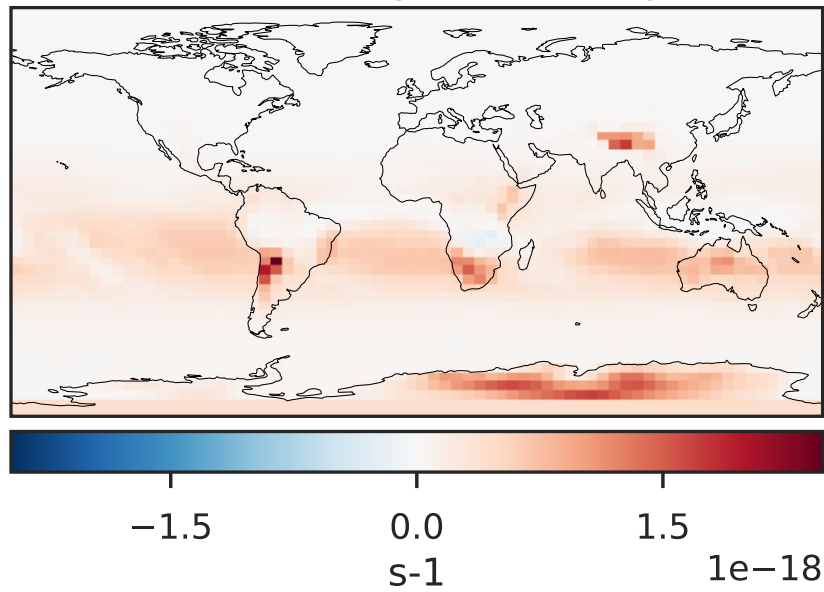
14.2.0-rc.2 (Ref)  
4.0x5.0



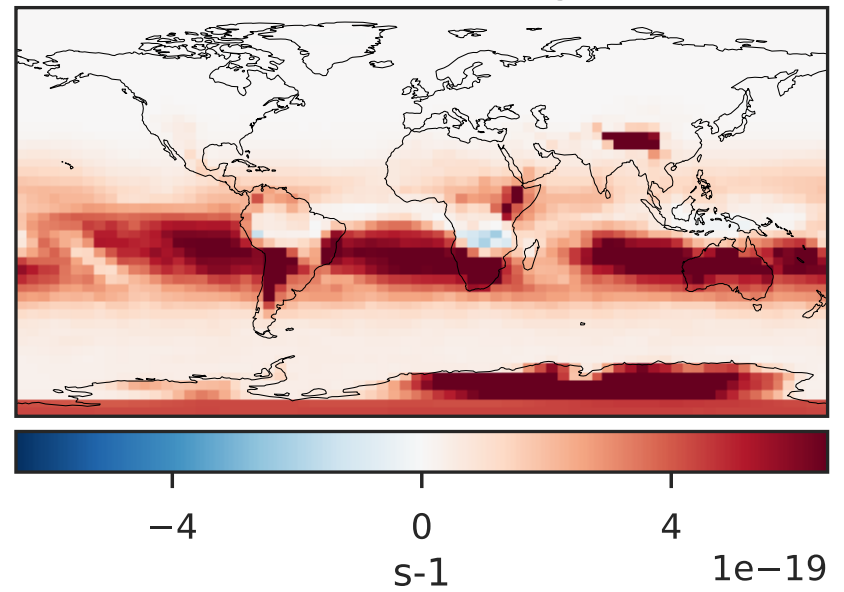
14.3.0-rc.0 (Dev)  
4.0x5.0



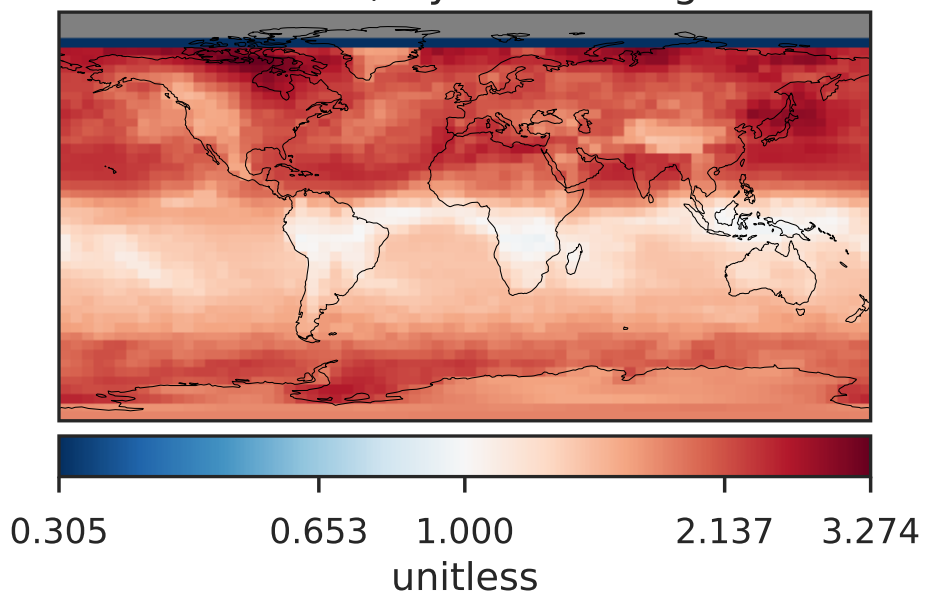
Difference  
Dev - Ref, Dynamic Range



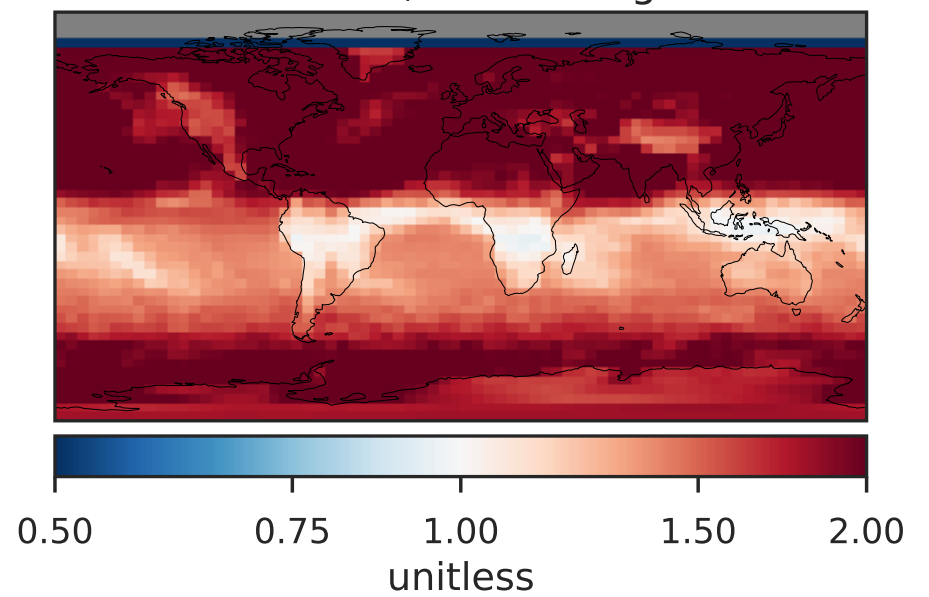
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

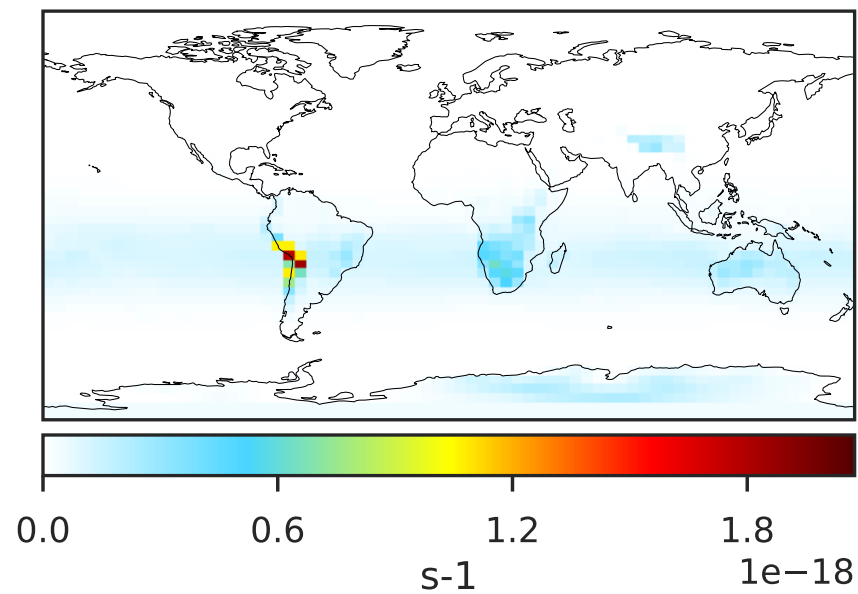


Ratio  
Dev/Ref, Fixed Range

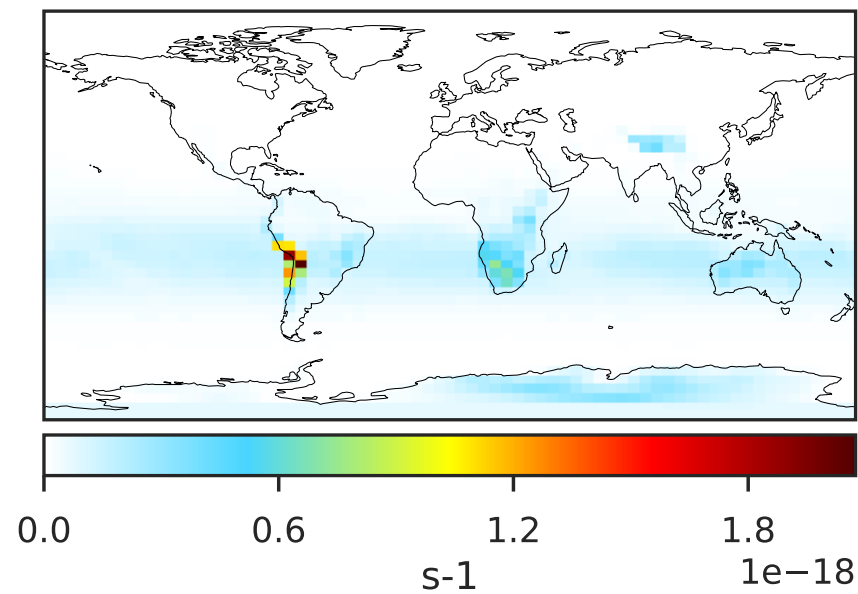


# Jval\_CFC115 (Jan2019)

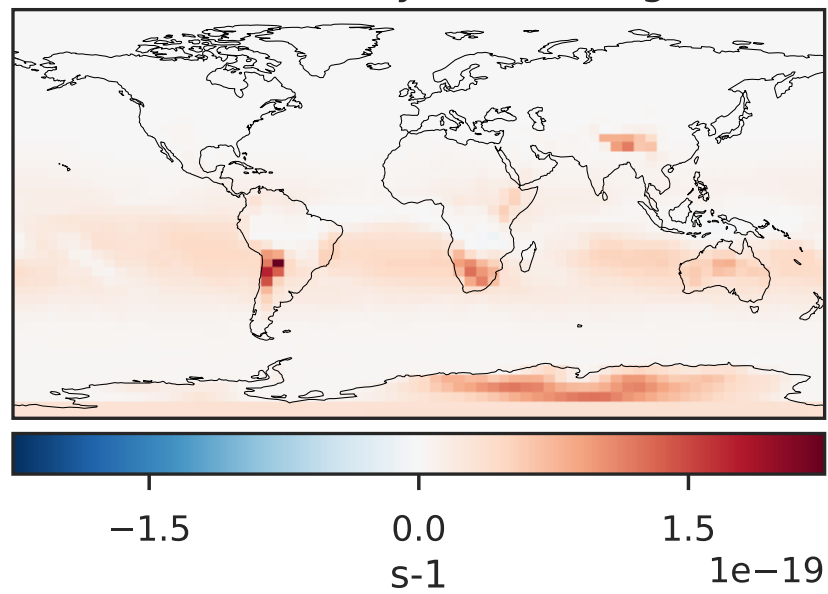
14.2.0-rc.2 (Ref)  
4.0x5.0



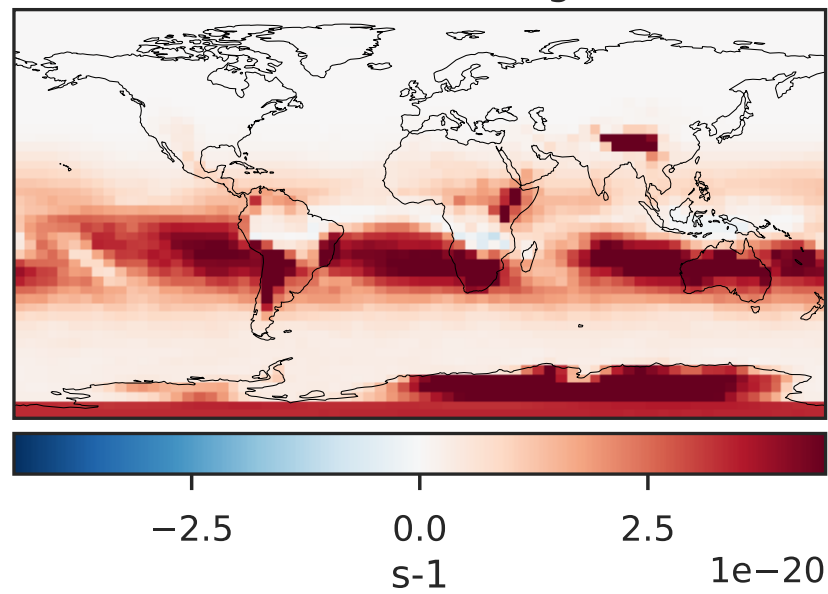
14.3.0-rc.0 (Dev)  
4.0x5.0



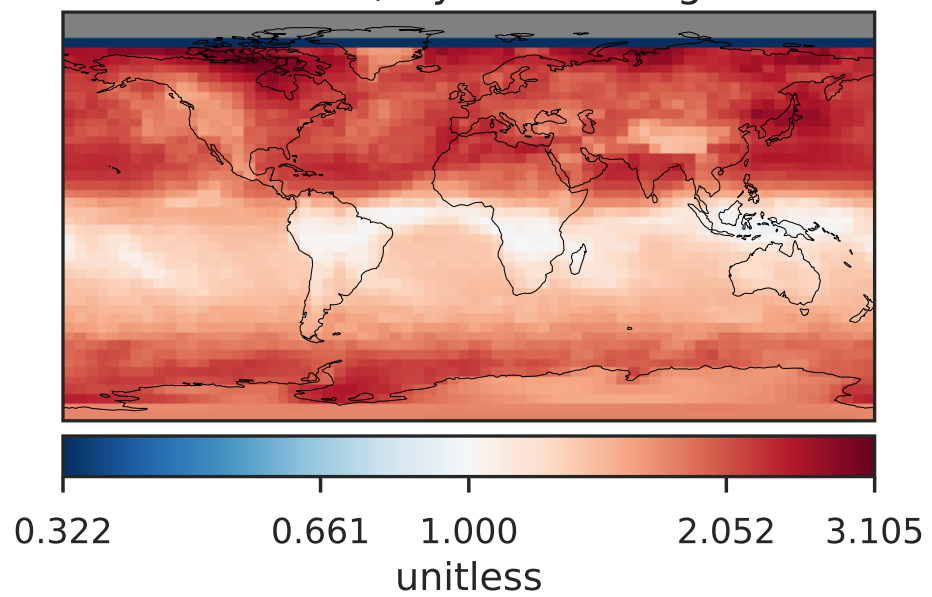
Difference  
Dev - Ref, Dynamic Range



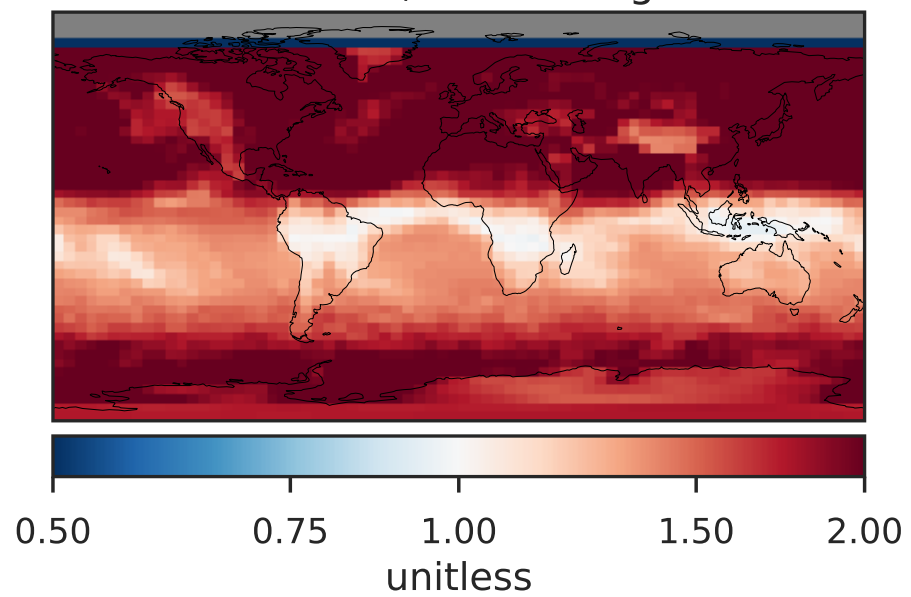
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



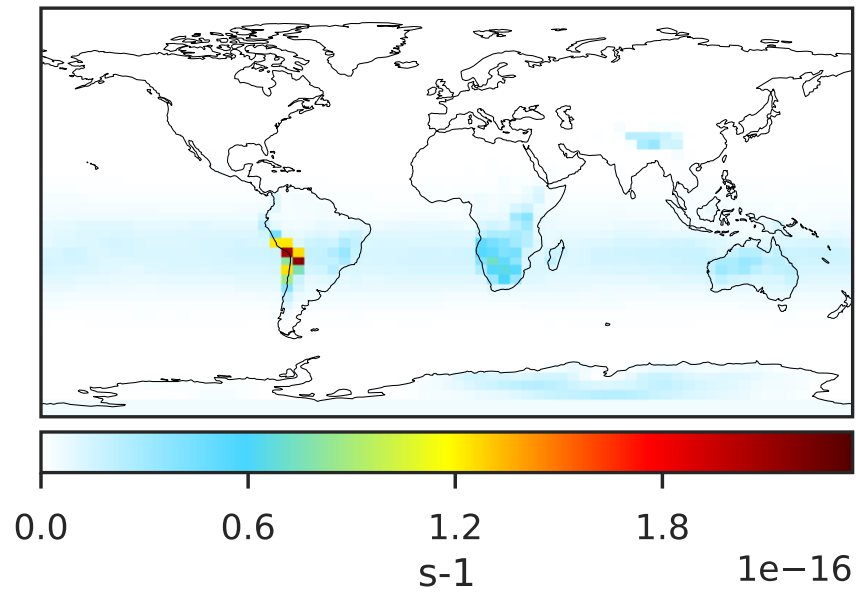
Ratio  
Dev/Ref, Fixed Range



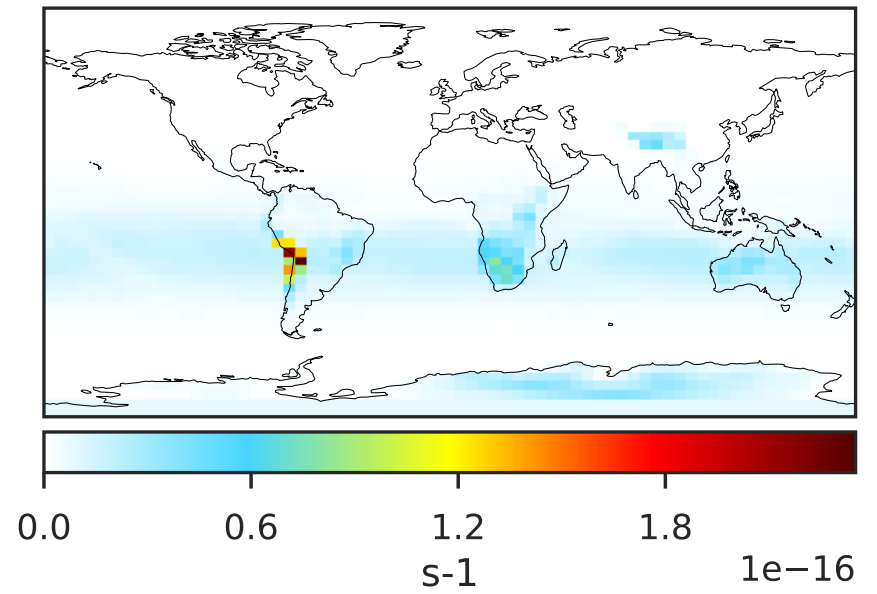


# Jval\_CFC12 (Jan2019)

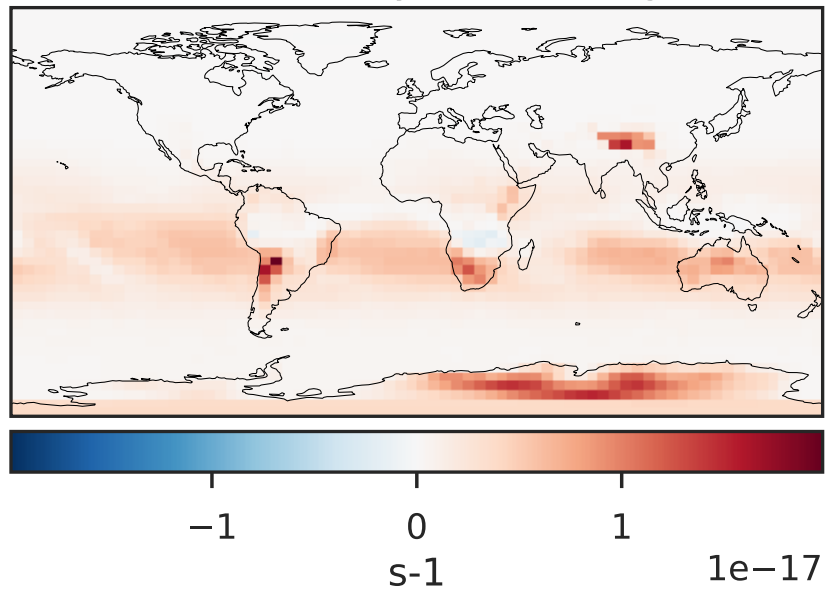
14.2.0-rc.2 (Ref)  
4.0x5.0



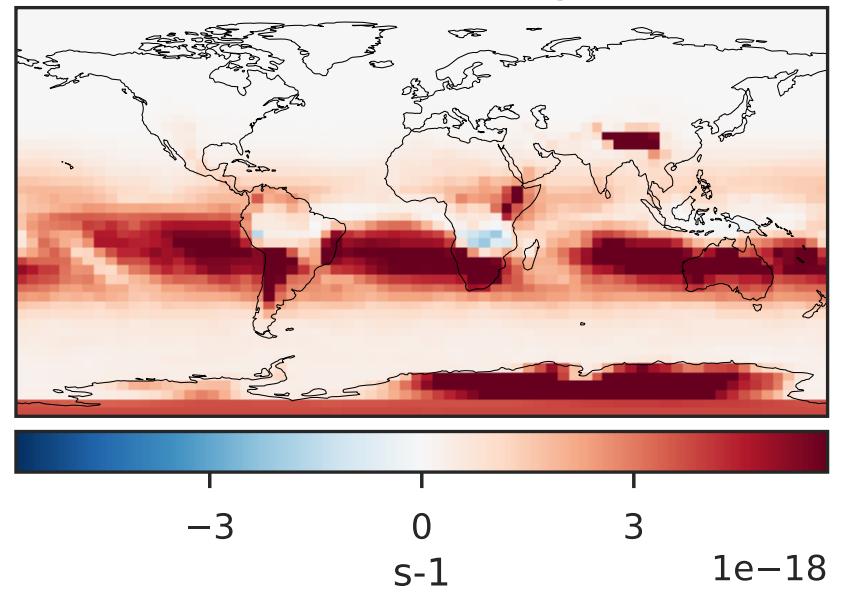
14.3.0-rc.0 (Dev)  
4.0x5.0



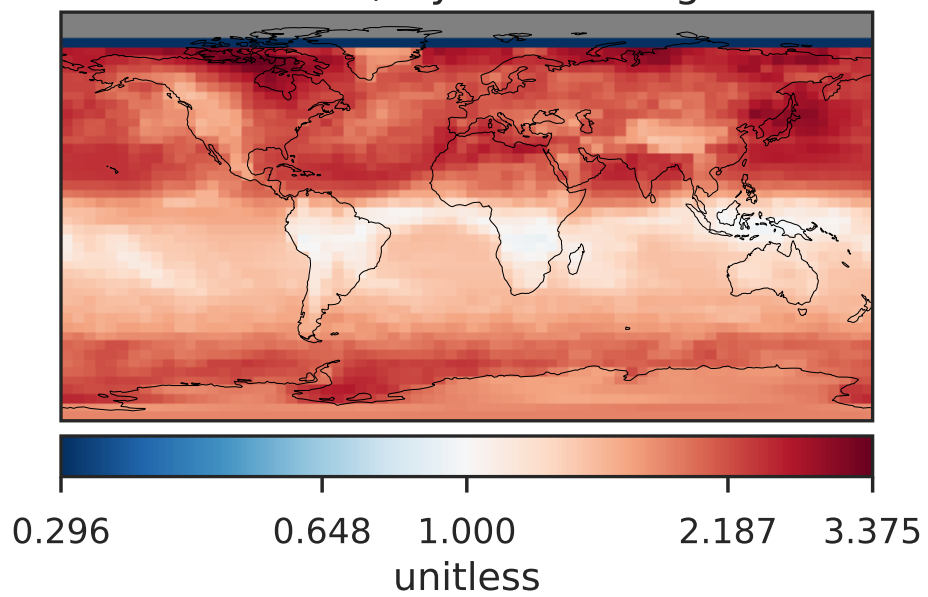
Difference  
Dev - Ref, Dynamic Range



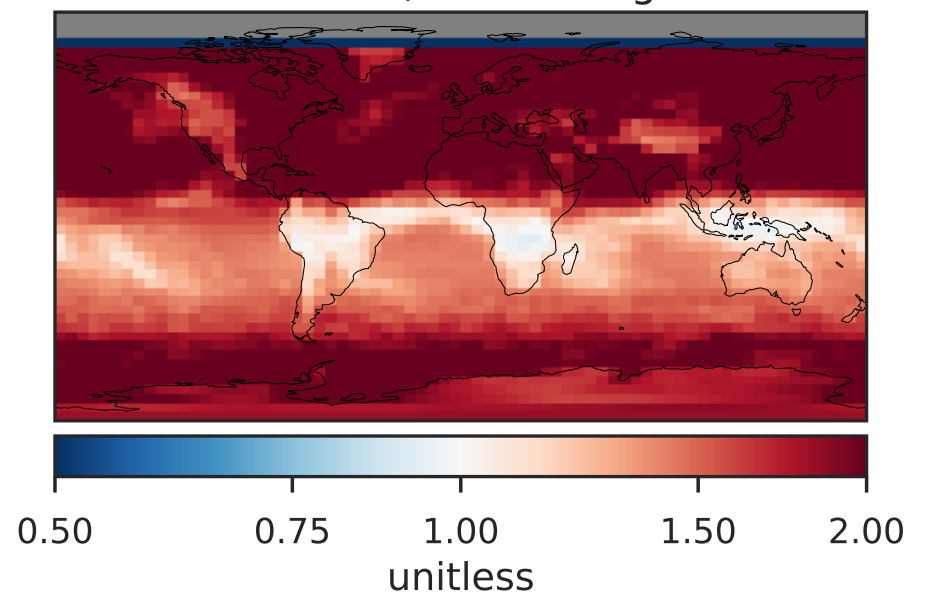
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

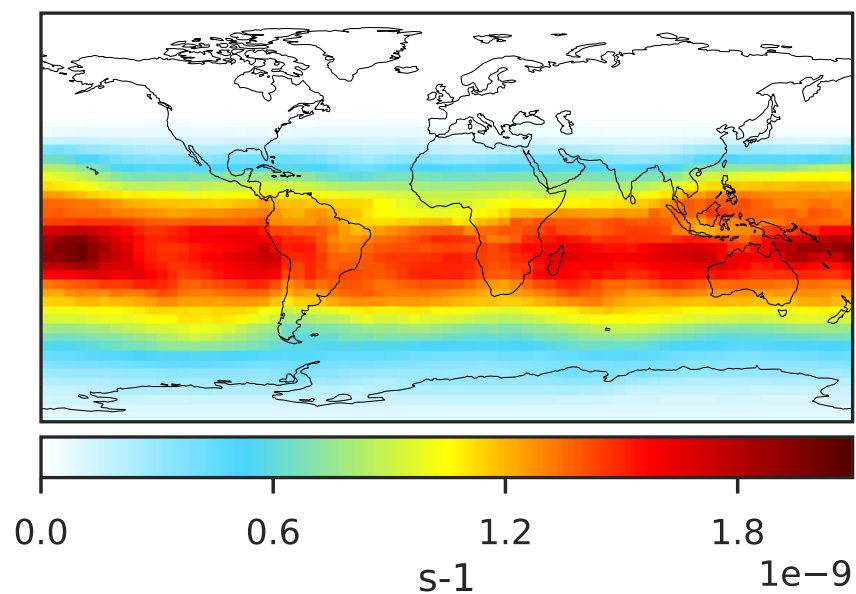


Ratio  
Dev/Ref, Fixed Range

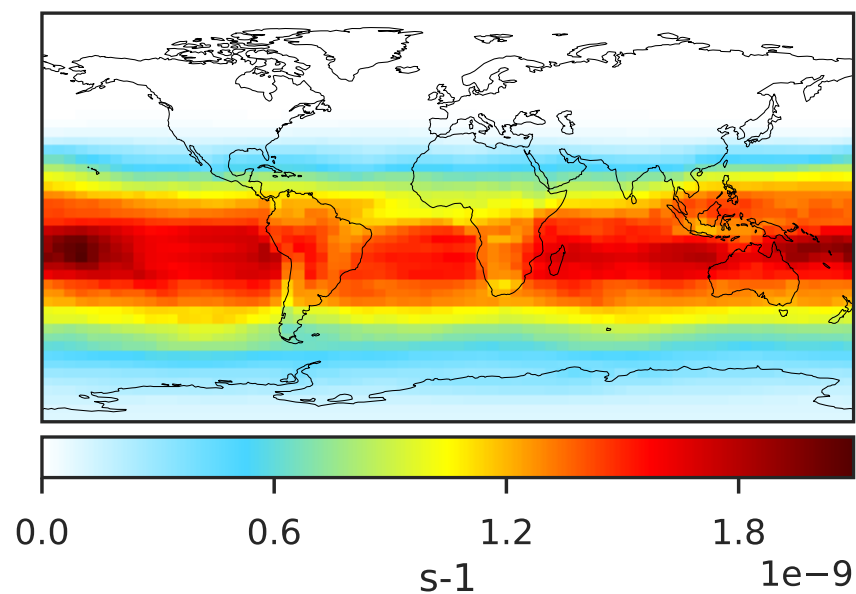


# Jval\_CH2Br2 (Jan2019)

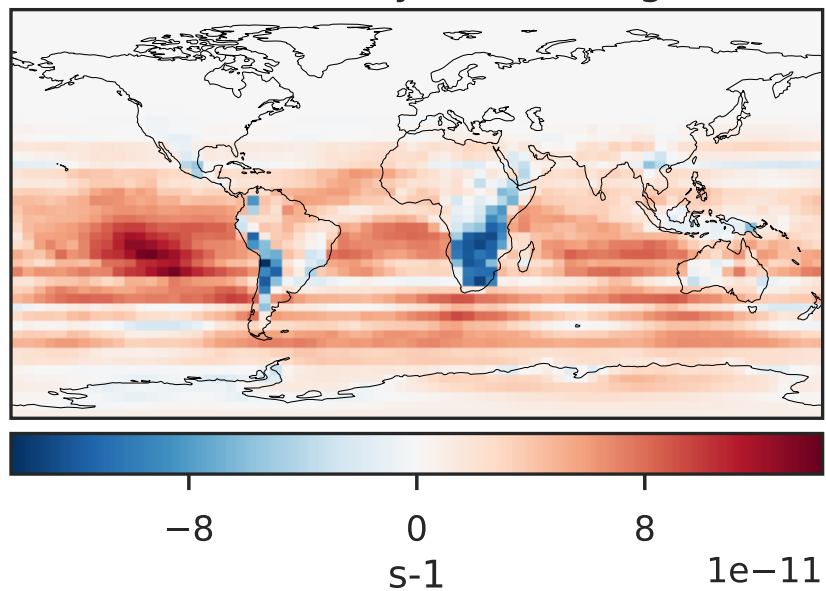
14.2.0-rc.2 (Ref)  
4.0x5.0



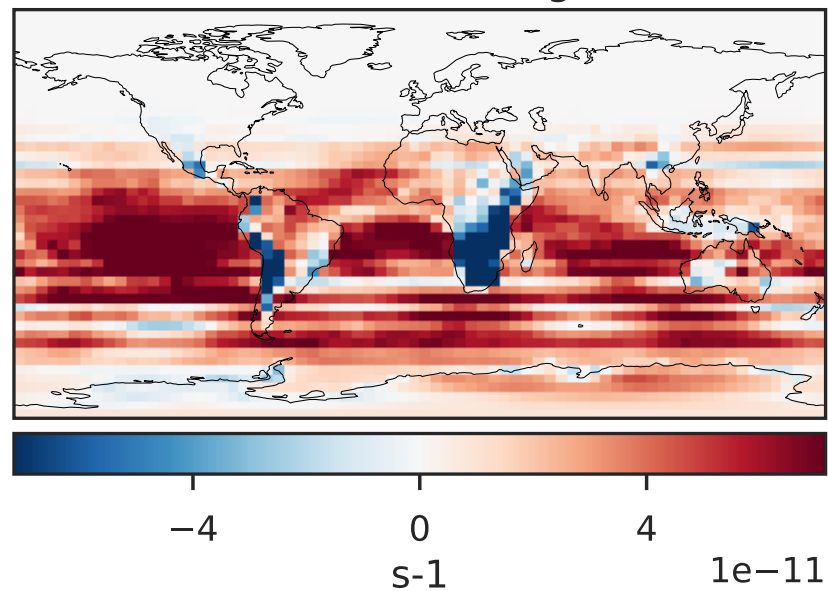
14.3.0-rc.0 (Dev)  
4.0x5.0



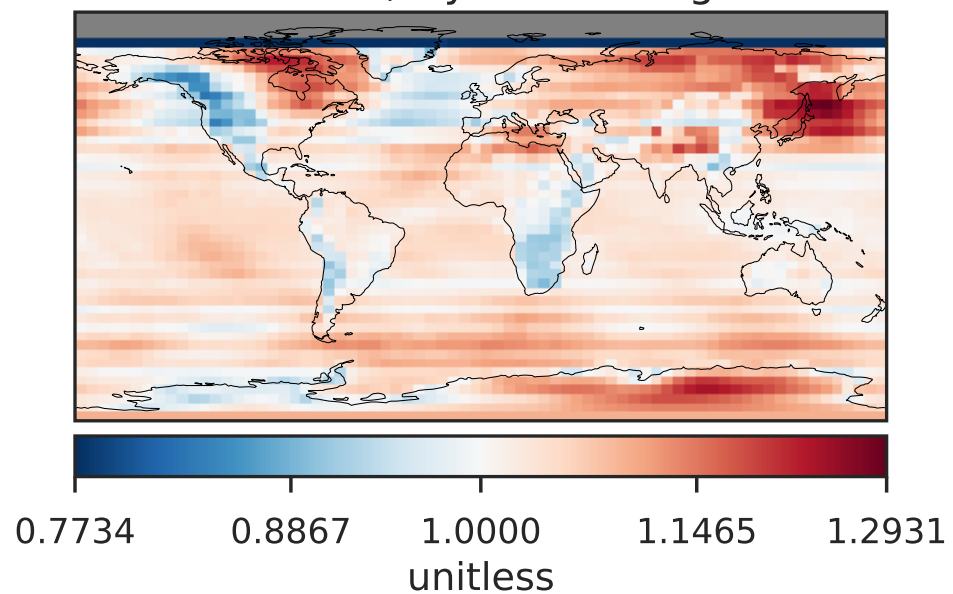
Difference  
Dev - Ref, Dynamic Range



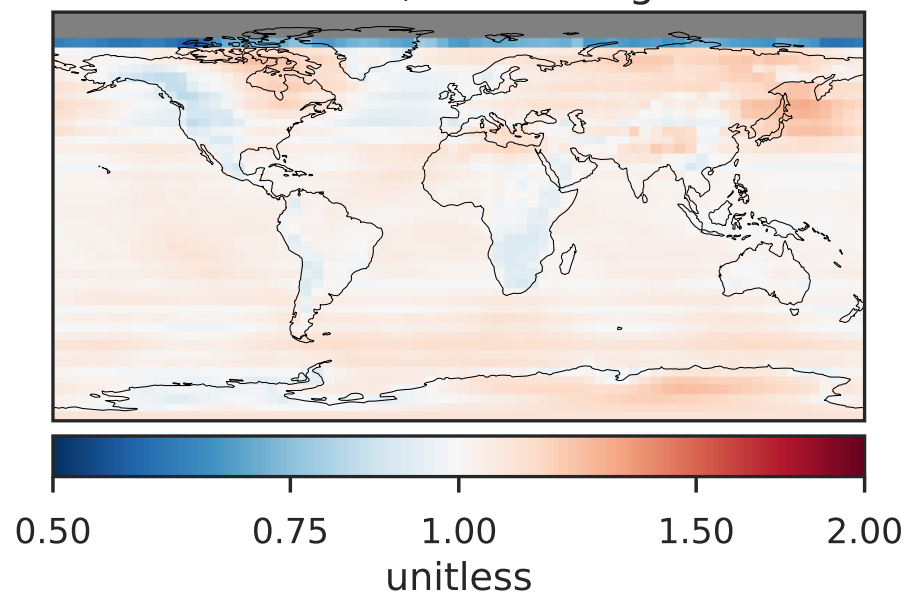
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

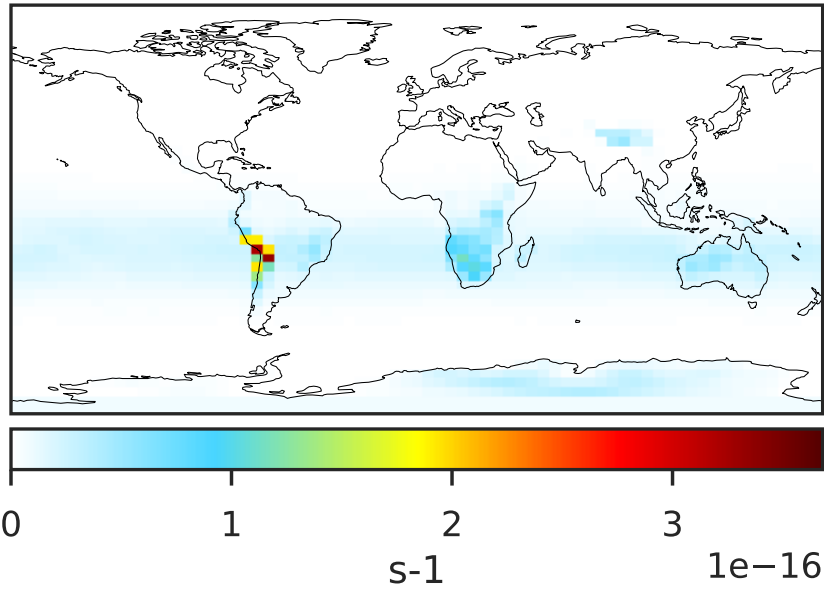


Ratio  
Dev/Ref, Fixed Range

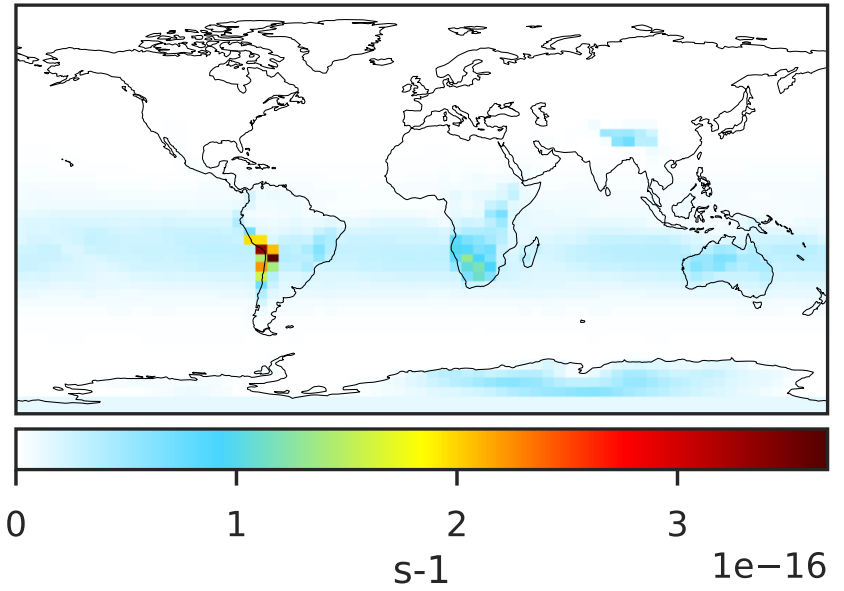


# Jval\_CH2Cl2 (Jan2019)

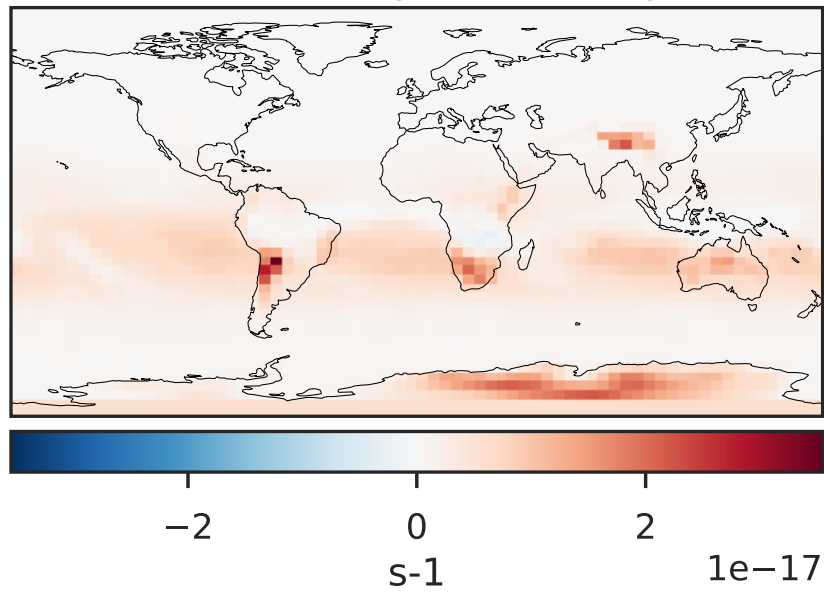
14.2.0-rc.2 (Ref)  
4.0x5.0



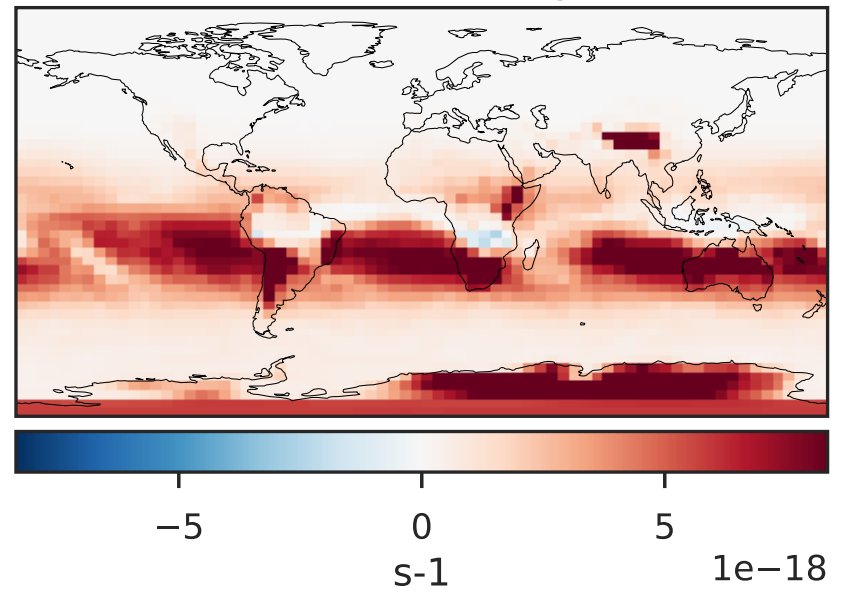
14.3.0-rc.0 (Dev)  
4.0x5.0



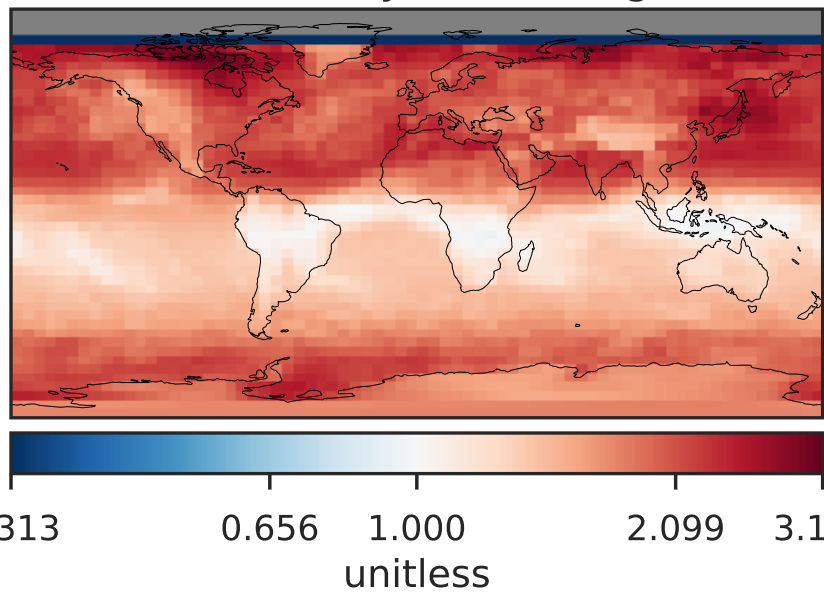
Difference  
Dev - Ref, Dynamic Range



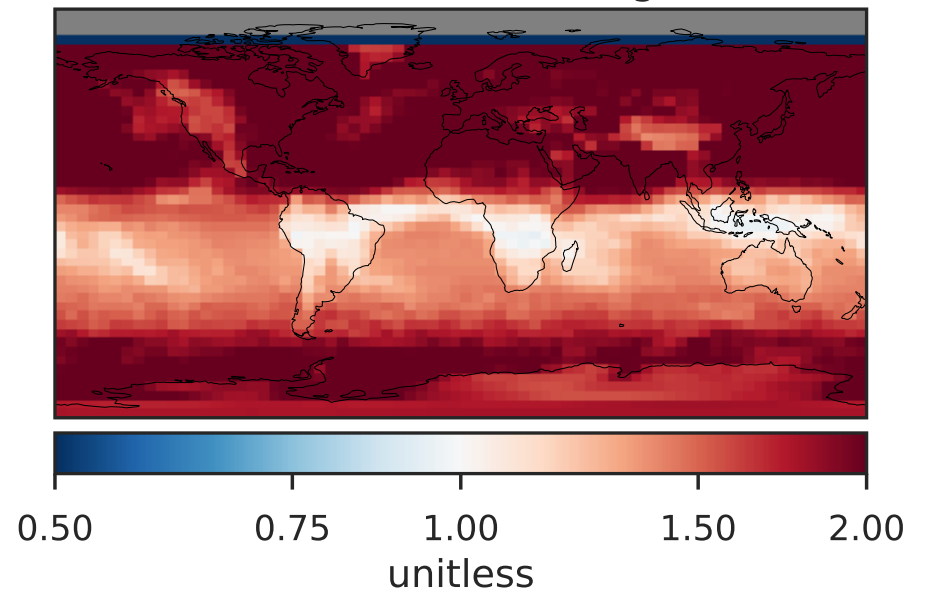
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

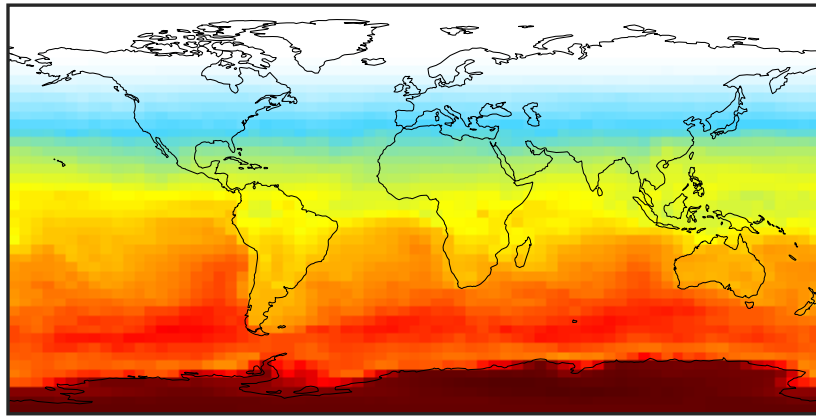


Ratio  
Dev/Ref, Fixed Range



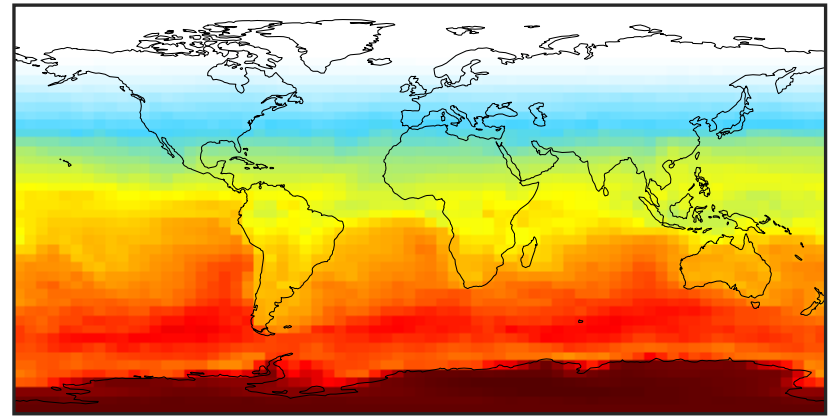
# Jval\_CH2I2 (Jan2019)

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



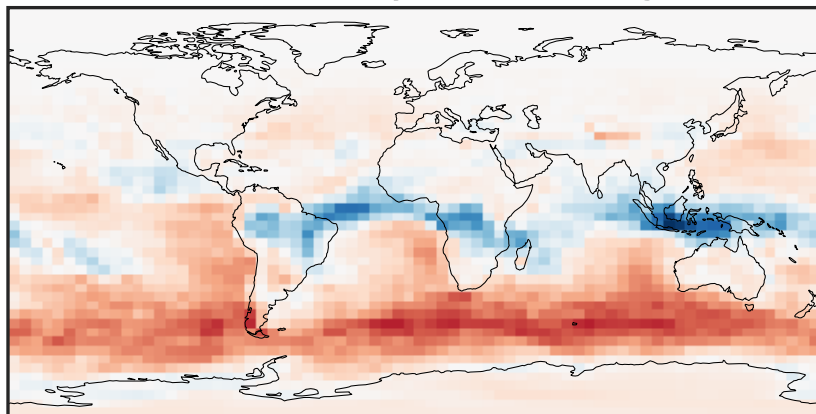
0.0000 0.0025 0.0050 0.0075  
s-1

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



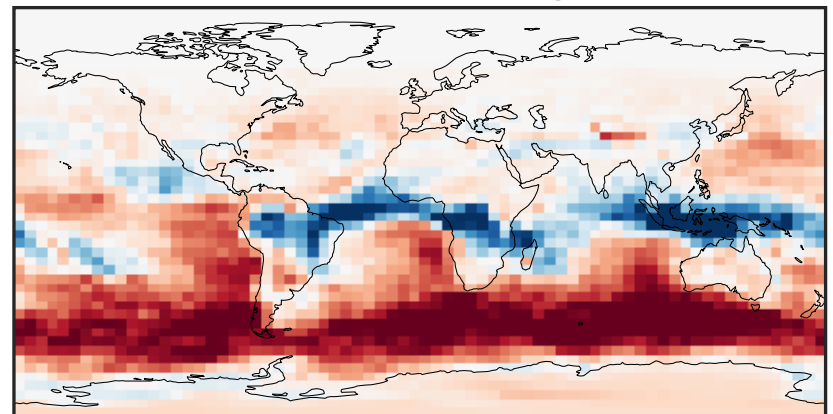
0.0000 0.0025 0.0050 0.0075  
s-1

Difference  
Dev - Ref, Dynamic Range



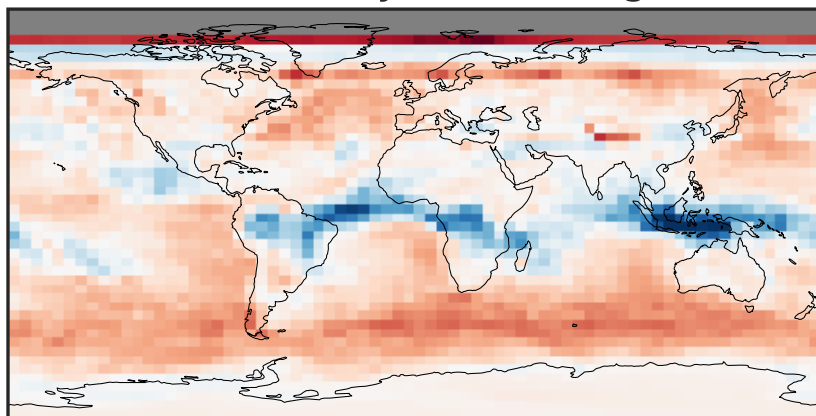
-0.00015 0.00000 0.00015  
s-1

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



-8 0 8  
s-1 1e-5

Ratio  
Dev/Ref, Dynamic Range



0.95514 0.97757 1.00000 1.02348 1.04696  
unitless

Ratio  
Dev/Ref, Fixed Range

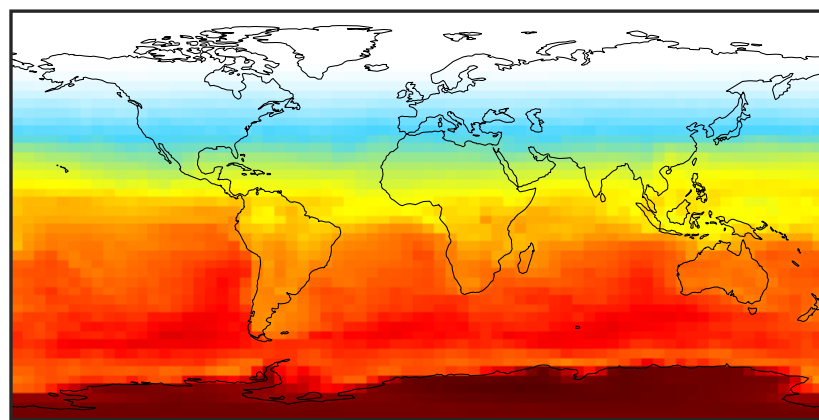


0.50 0.75 1.00 1.50 2.00  
unitless



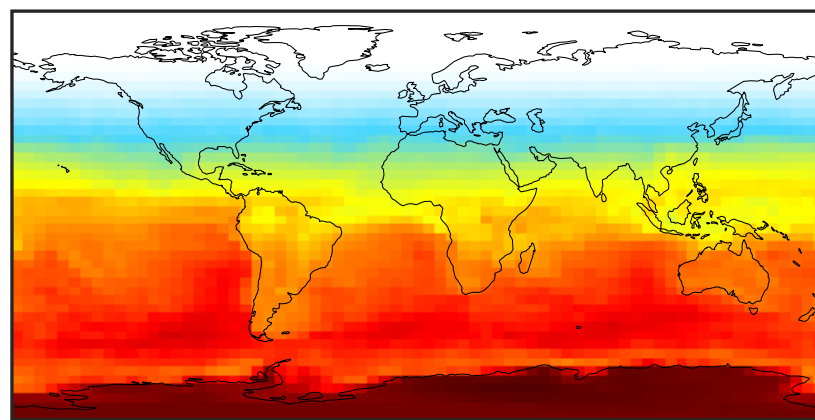
# Jval\_CH2IBr (Jan2019)

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



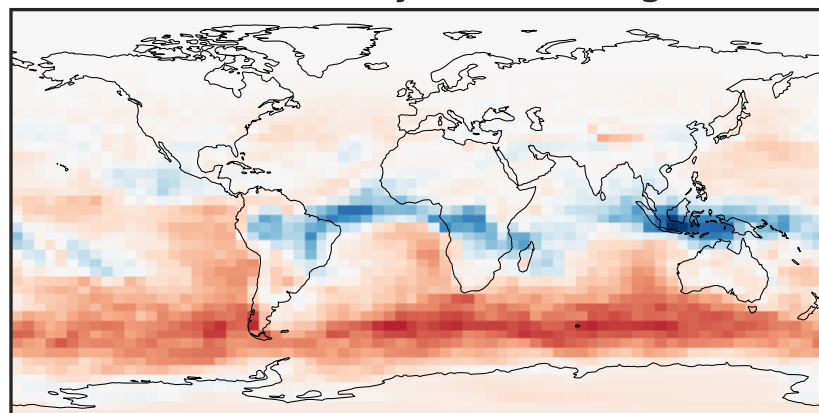
0.00000 0.00015 0.00030 0.00045  
s-1

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



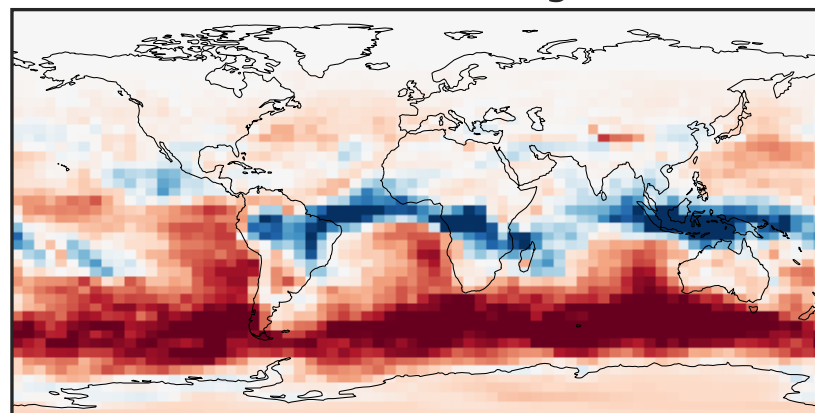
0.00000 0.00015 0.00030 0.00045  
s-1

Difference  
Dev - Ref, Dynamic Range



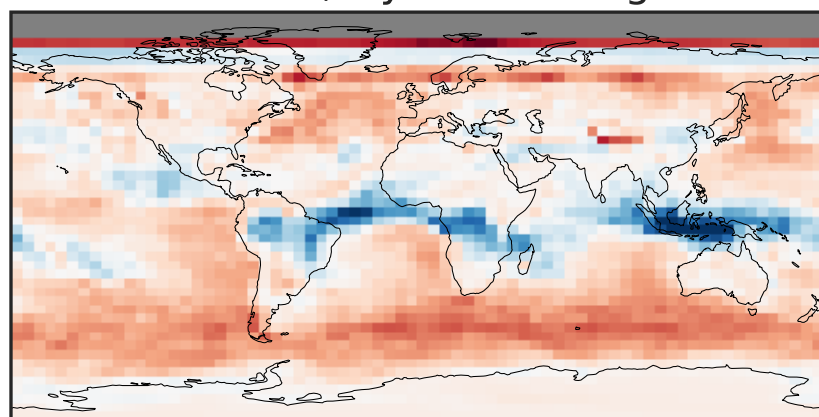
-8 0 8  
s-1 1e-6

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



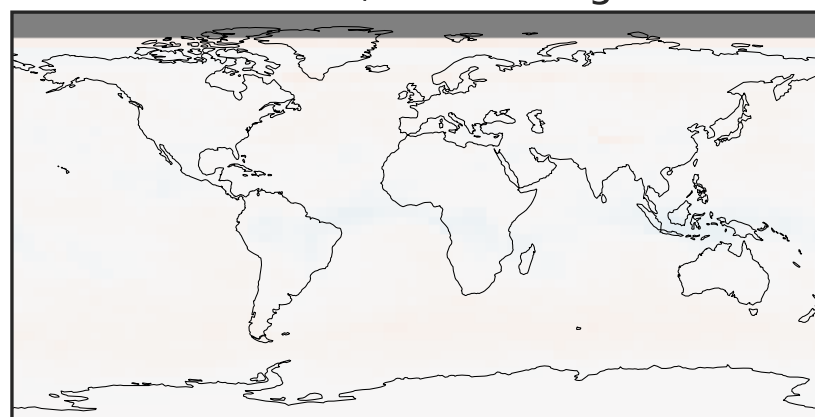
-4 0 4  
s-1 1e-6

Ratio  
Dev/Ref, Dynamic Range



0.95778 0.97889 1.00000 1.02204 1.04408  
unitless

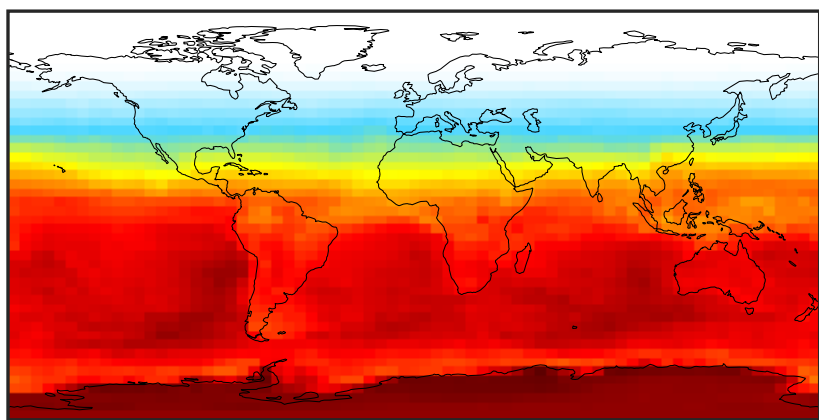
Ratio  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

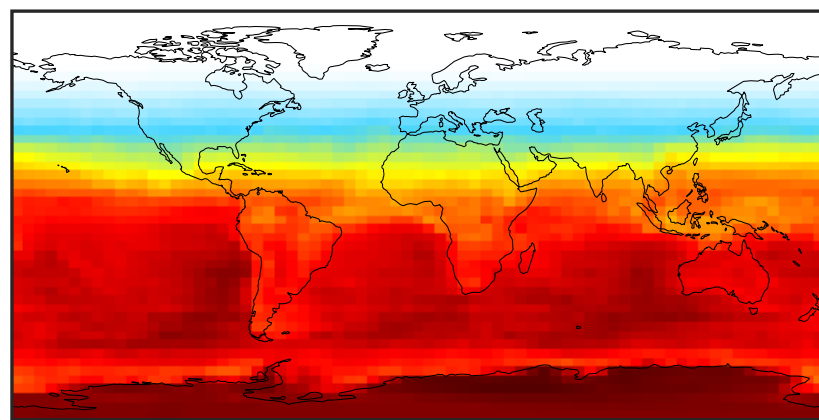
# Jval\_CH2ICl (Jan2019)

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



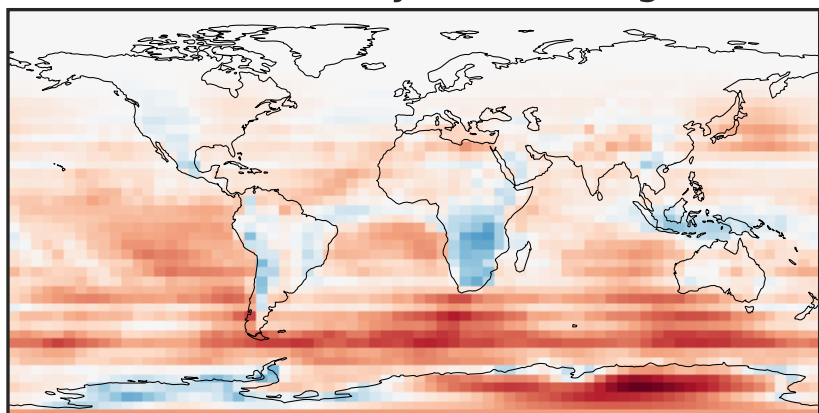
0.00000 0.00004 0.00008 0.00012 s-1

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



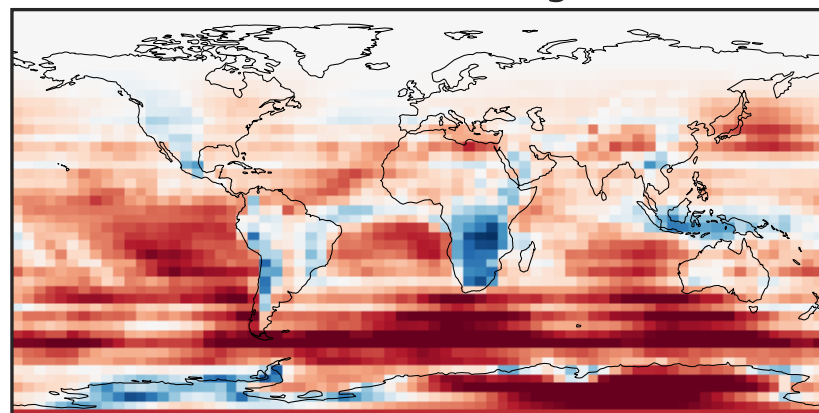
0.00000 0.00004 0.00008 0.00012 s-1

Difference  
Dev - Ref, Dynamic Range



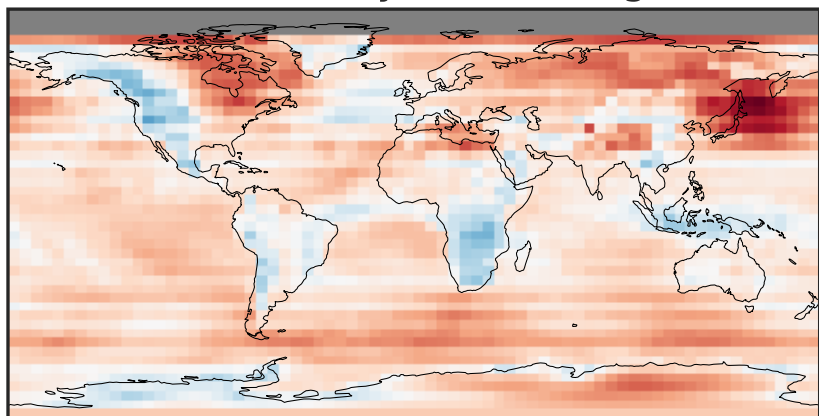
-4 0 4 s-1 1e-6

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



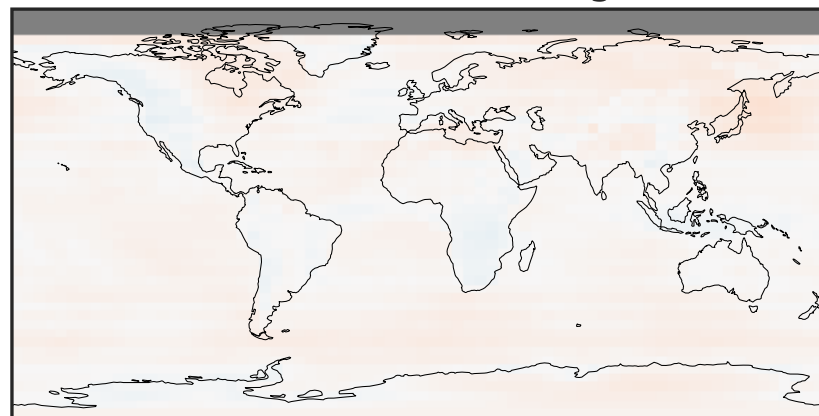
-2 0 2 s-1 1e-6

Ratio  
Dev/Ref, Dynamic Range



0.9012 0.9506 1.0000 1.0548 1.1096 unitless

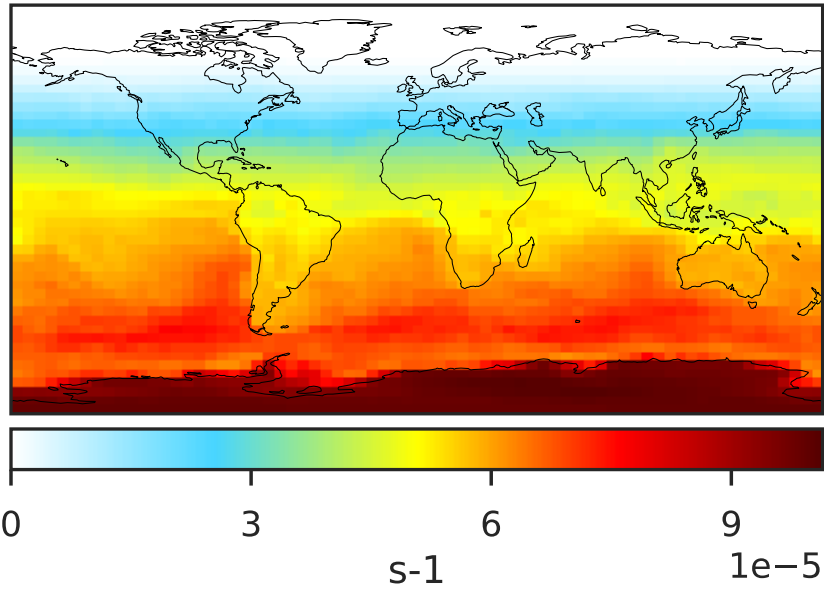
Ratio  
Dev/Ref, Fixed Range



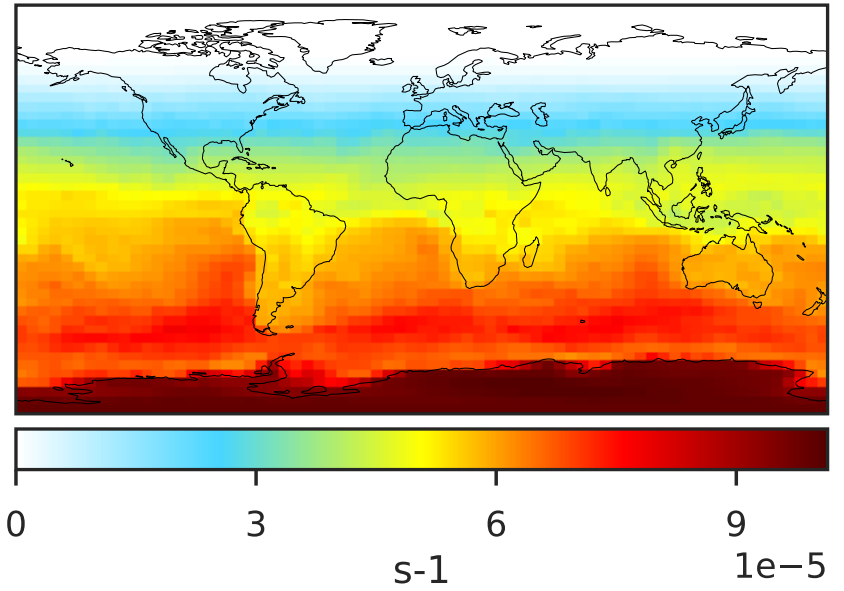
0.50 0.75 1.00 1.50 2.00 unitless

# Jval\_CH20 (Jan2019)

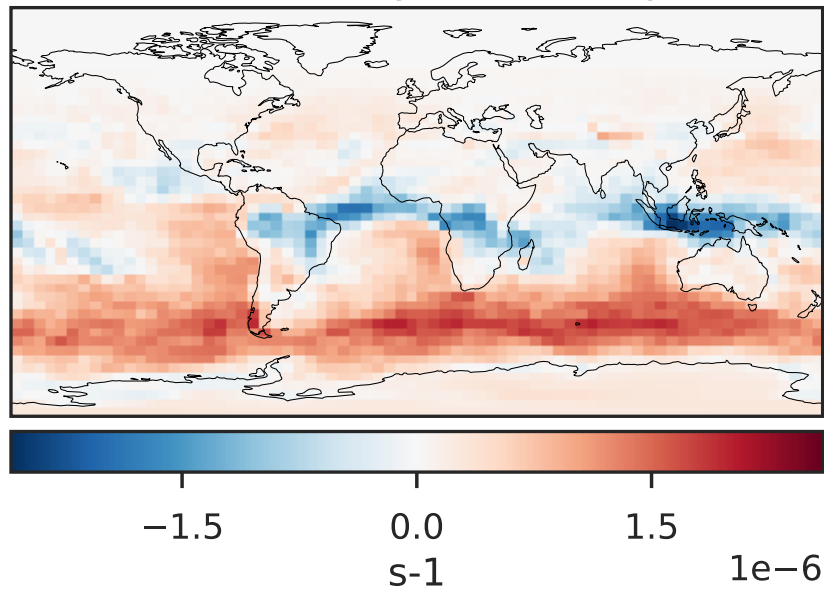
14.2.0-rc.2 (Ref)  
4.0x5.0



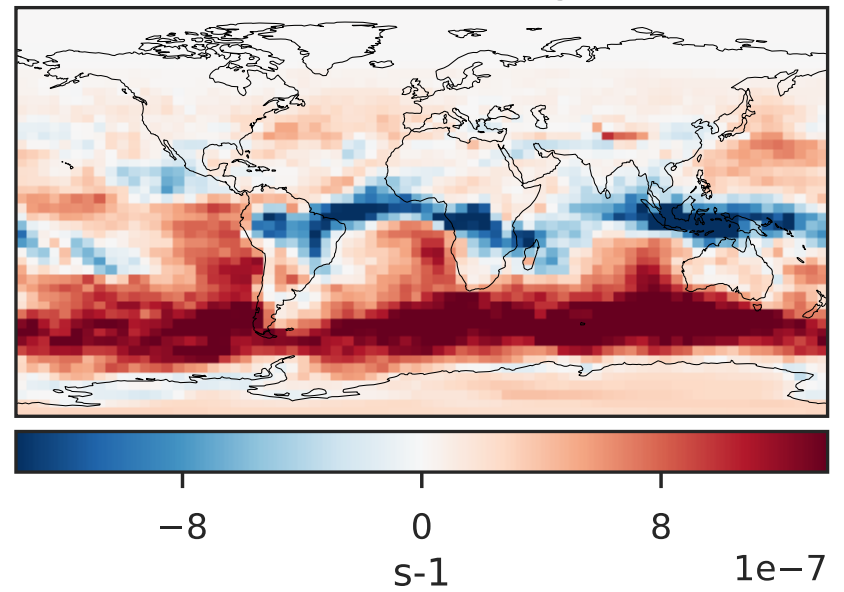
14.3.0-rc.0 (Dev)  
4.0x5.0



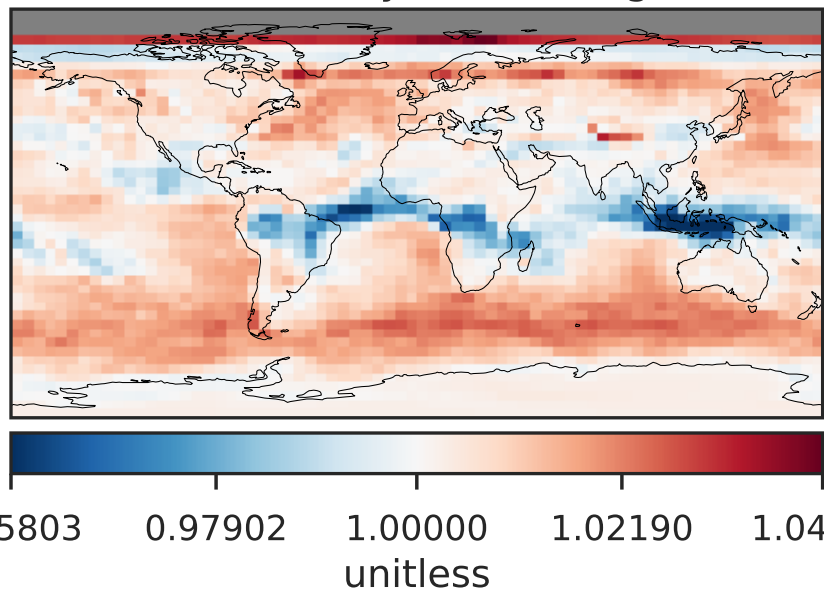
Difference  
Dev - Ref, Dynamic Range



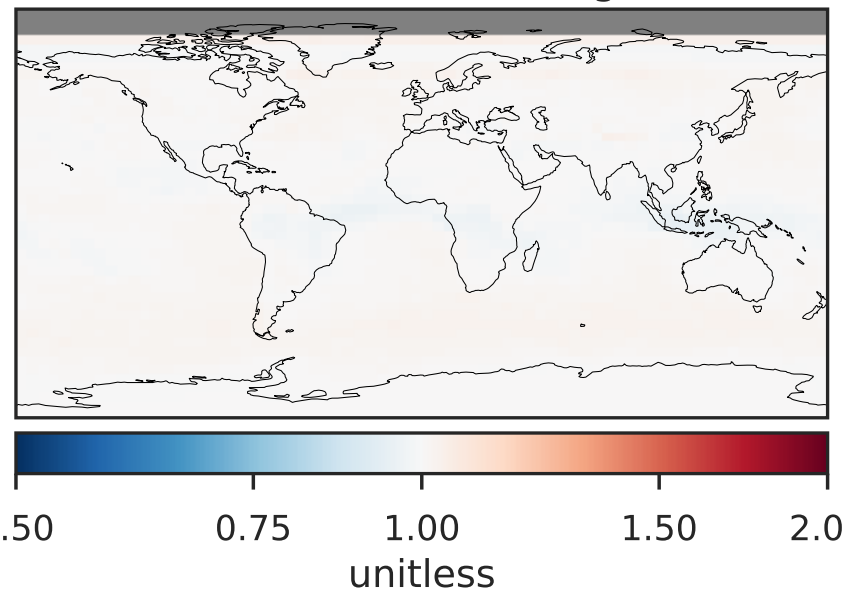
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

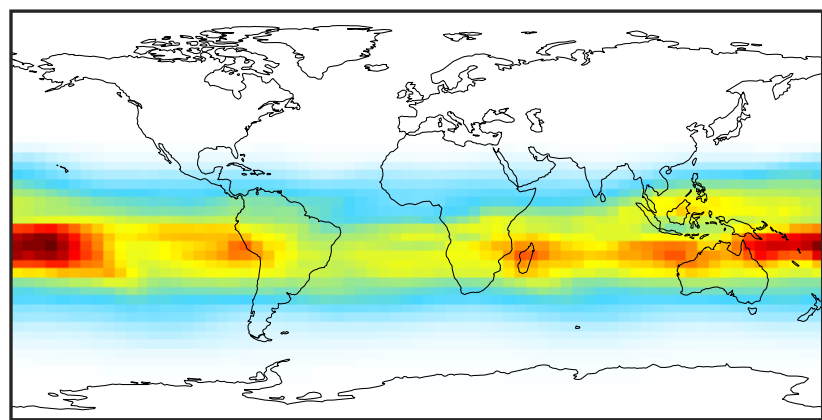


Ratio  
Dev/Ref, Fixed Range



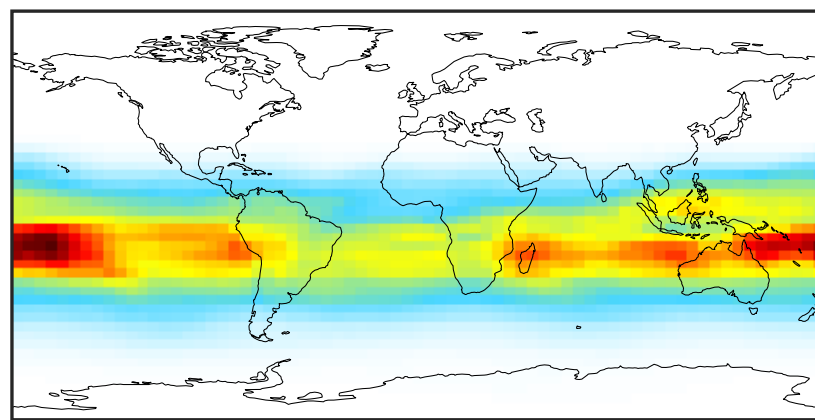
# Jval\_CH3Br (Jan2019)

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



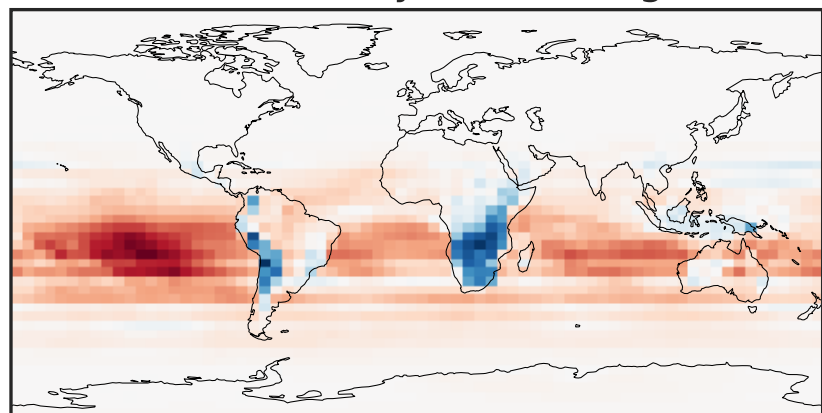
0.0 1.5 3.0  $1e-13$   
s-1

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



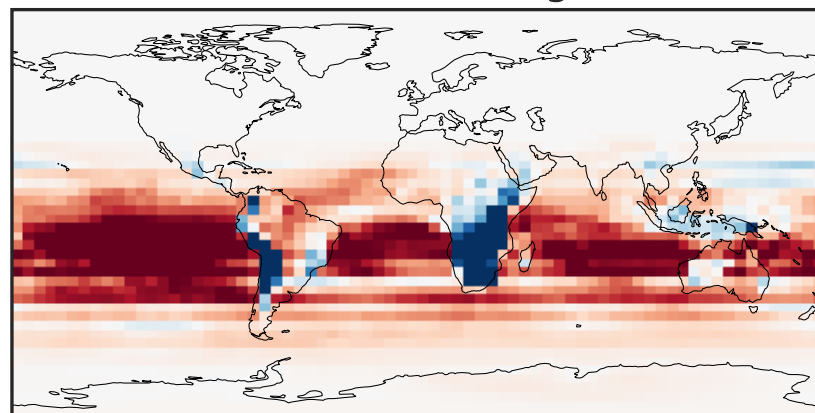
0.0 1.5 3.0  $1e-13$   
s-1

Difference  
Dev - Ref, Dynamic Range



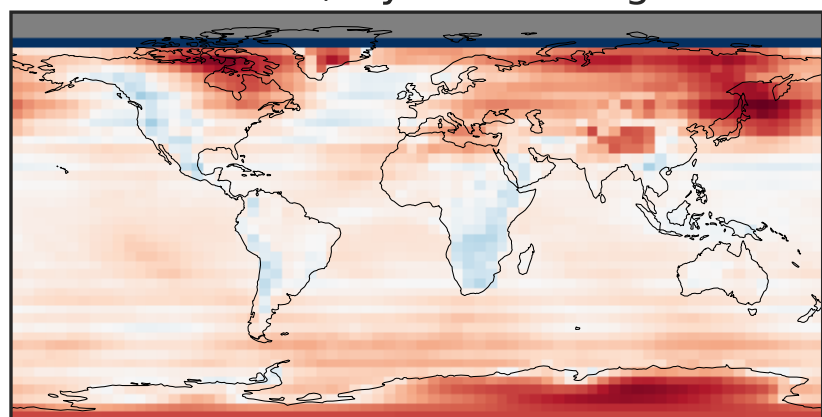
-1.5 0.0 1.5  $1e-14$   
s-1

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



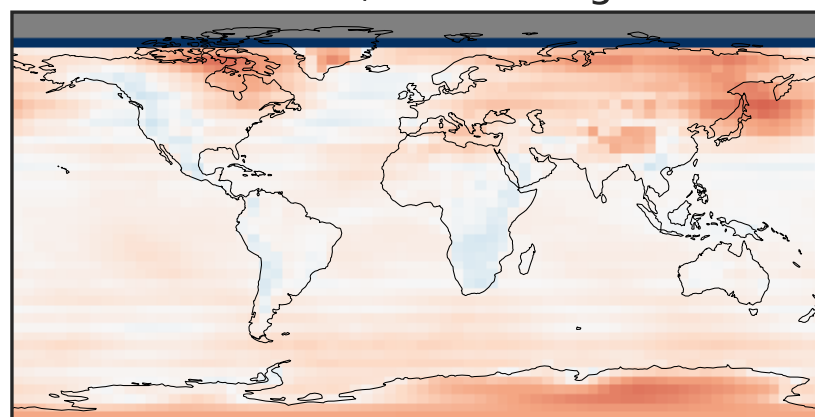
-5 0 5  $1e-15$   
s-1

Ratio  
Dev/Ref, Dynamic Range



0.6684 0.8342 1.0000 1.2480 1.4961  
unitless

Ratio  
Dev/Ref, Fixed Range

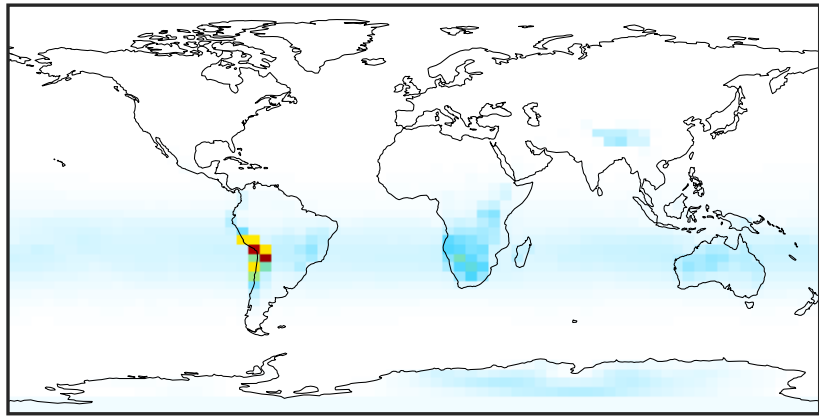


0.50 0.75 1.00 1.50 2.00  
unitless



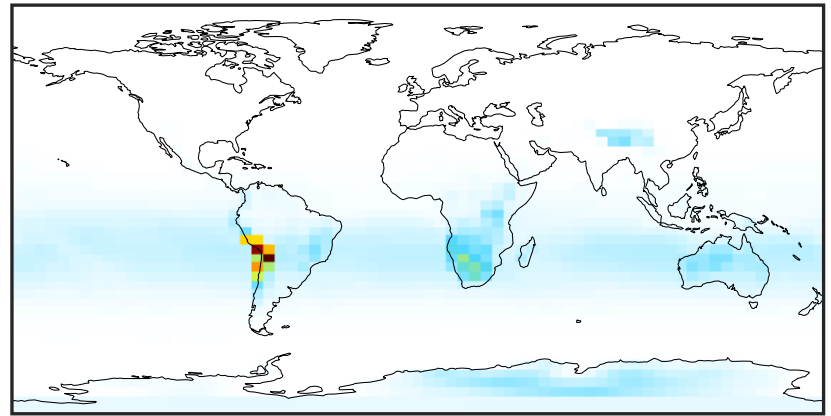
# Jval\_CH3CCI3 (Jan2019)

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



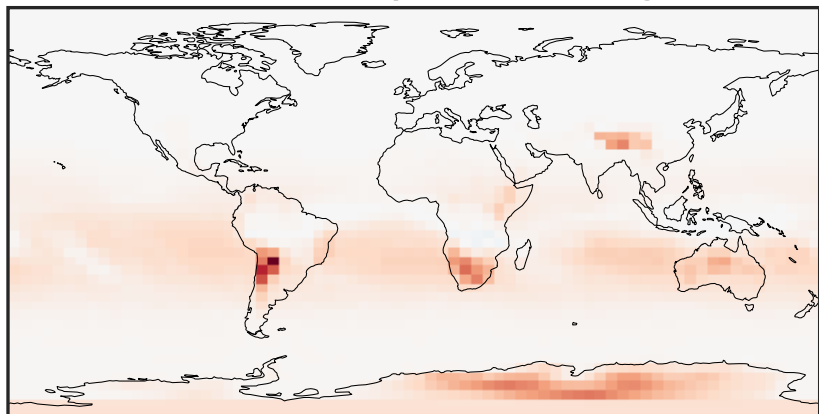
0.0 1.5 3.0 4.5  
s-1  $1e-15$

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



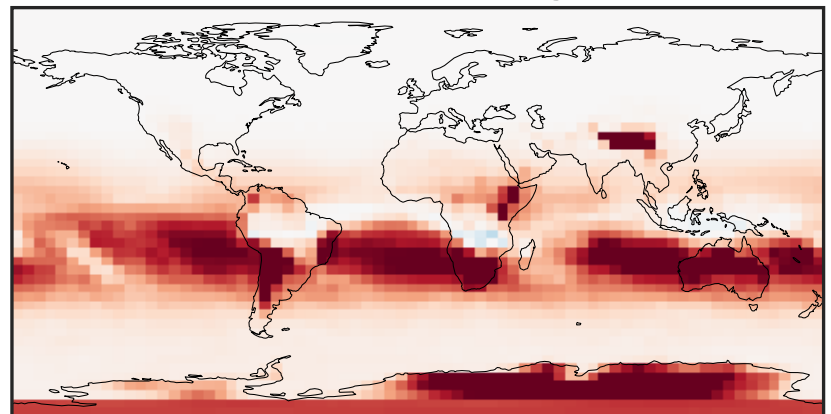
0.0 1.5 3.0 4.5  
s-1  $1e-15$

Difference  
Dev - Ref, Dynamic Range



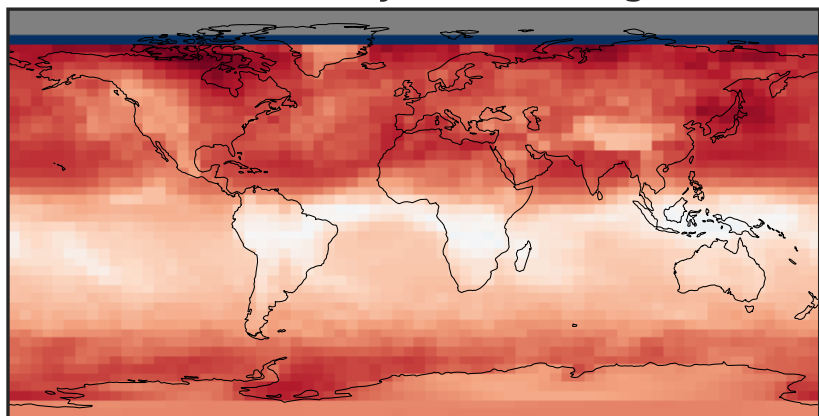
-3 0 3  
s-1  $1e-16$

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



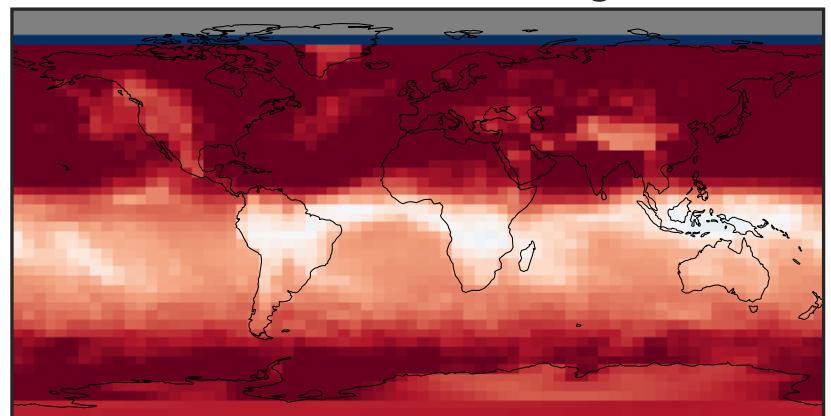
-6 0 6  
s-1  $1e-17$

Ratio  
Dev/Ref, Dynamic Range



0.327 0.663 1.000 2.031 3.062  
unitless

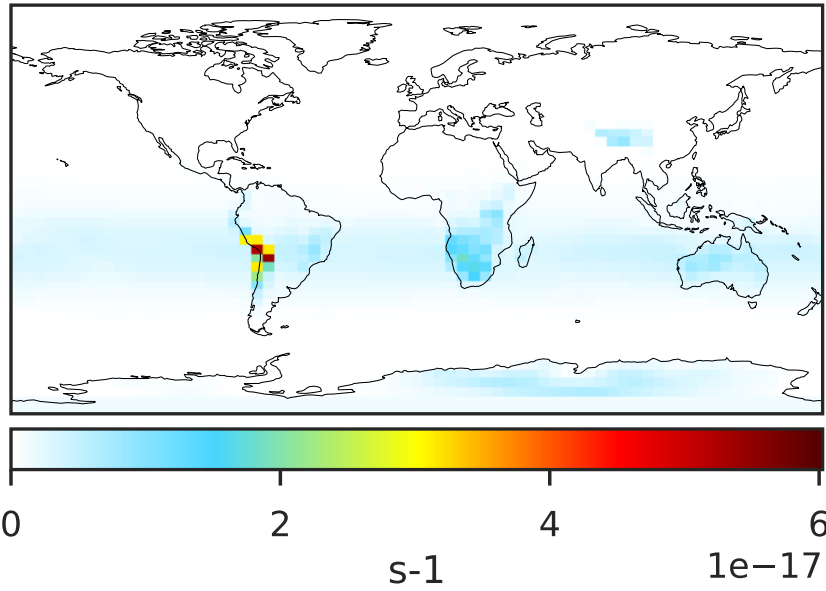
Ratio  
Dev/Ref, Fixed Range



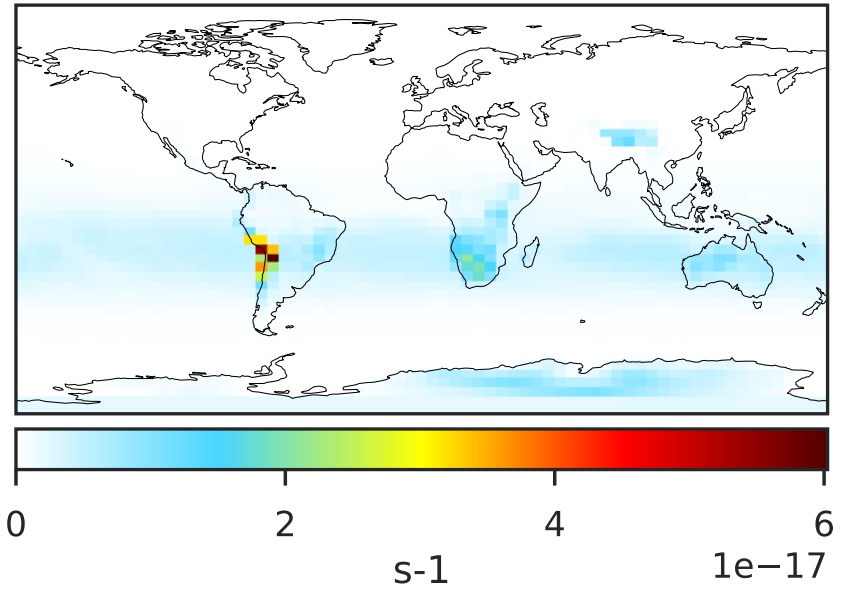
0.50 0.75 1.00 1.50 2.00  
unitless

# Jval\_CH3Cl (Jan2019)

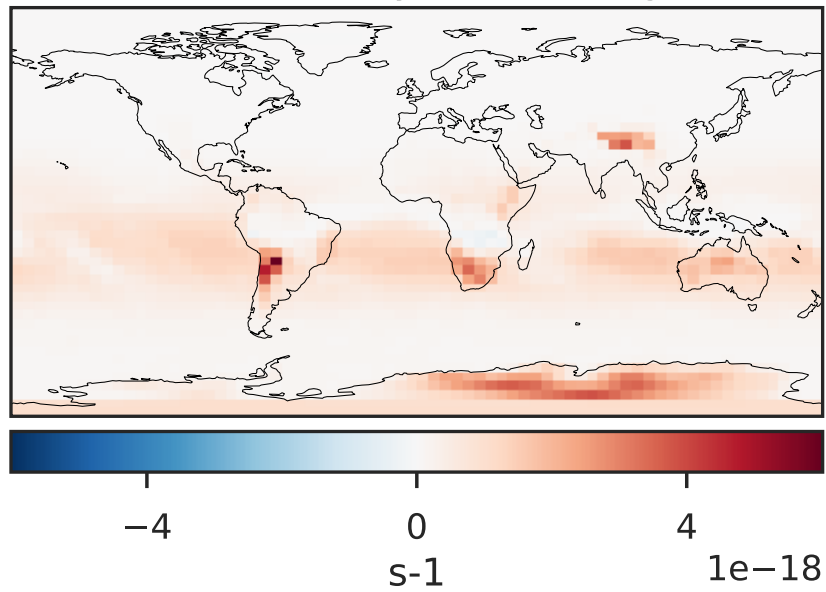
14.2.0-rc.2 (Ref)  
4.0x5.0



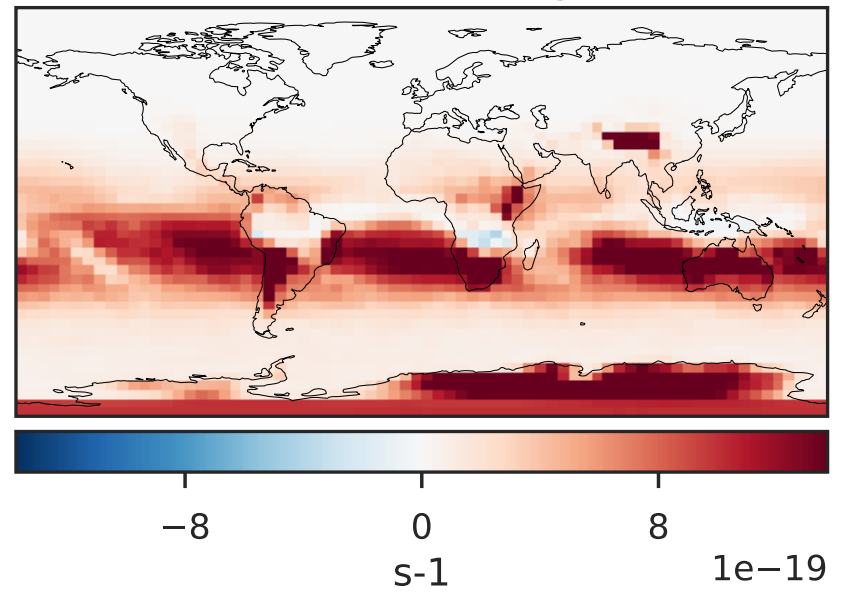
14.3.0-rc.0 (Dev)  
4.0x5.0



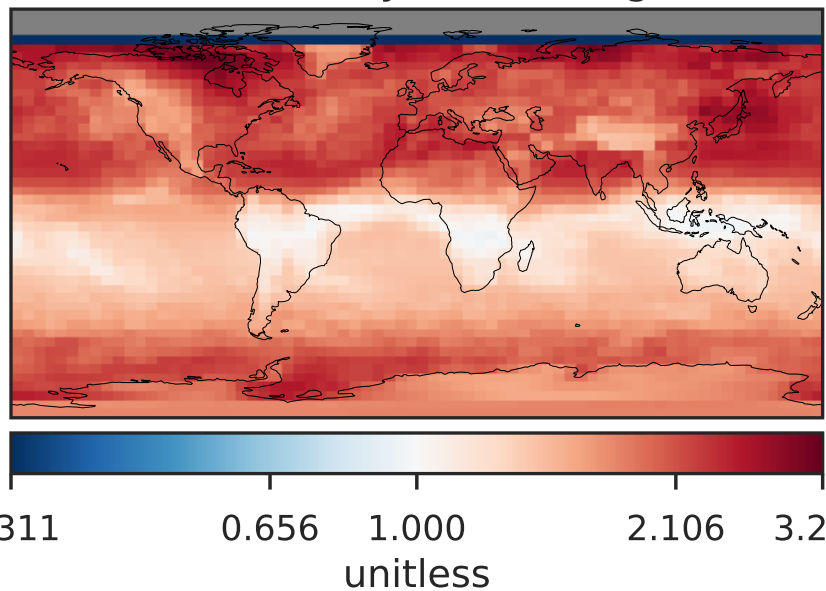
Difference  
Dev - Ref, Dynamic Range



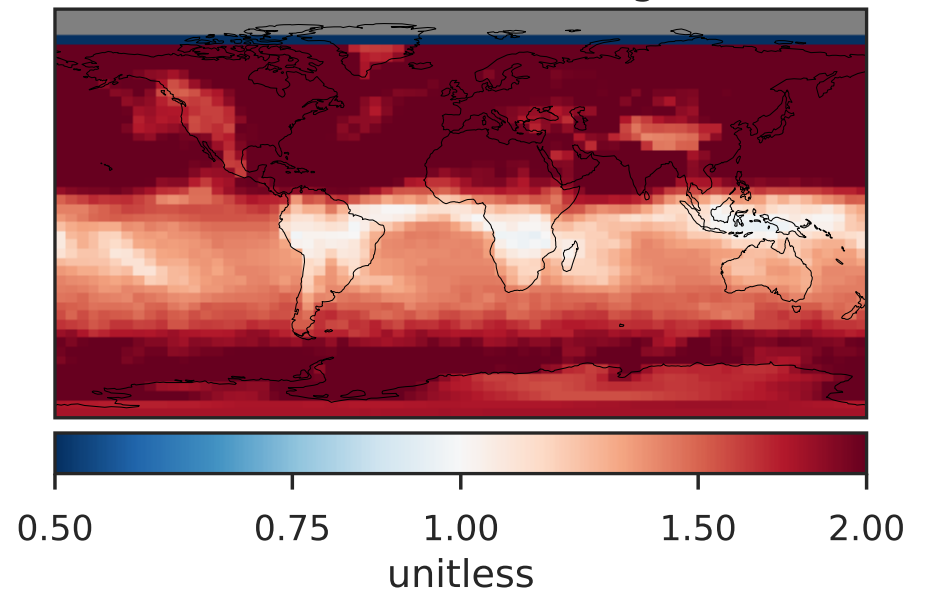
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

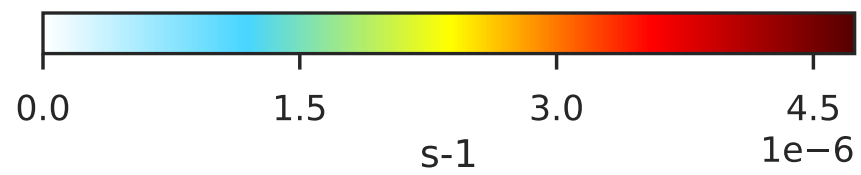
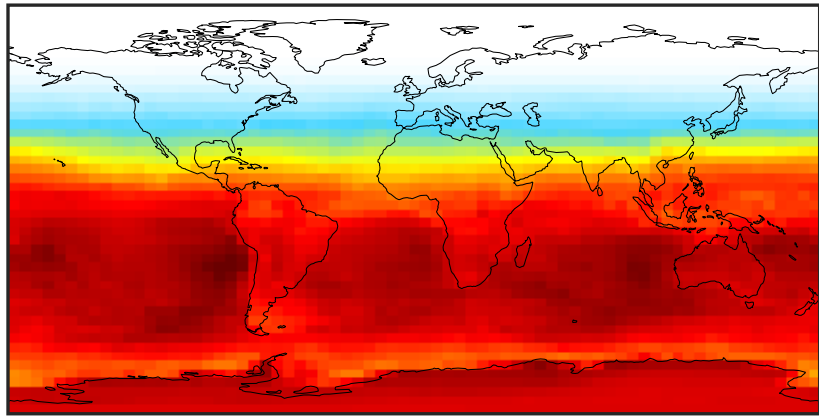


Ratio  
Dev/Ref, Fixed Range

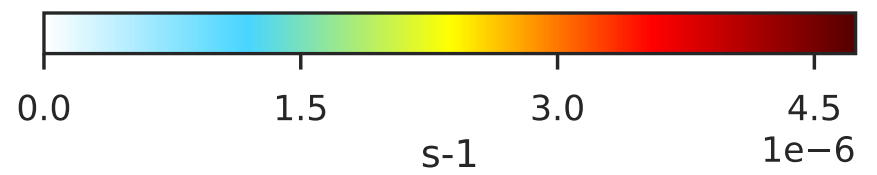
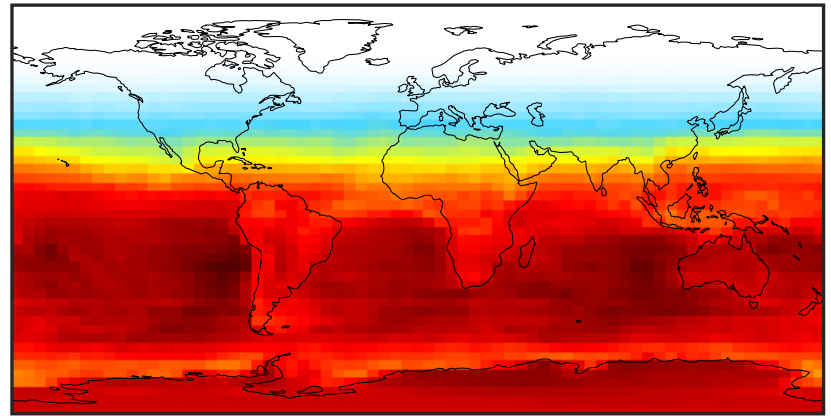


# Jval\_CH3I (Jan2019)

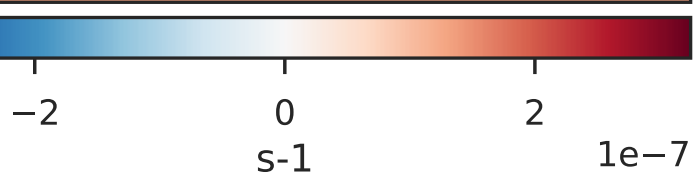
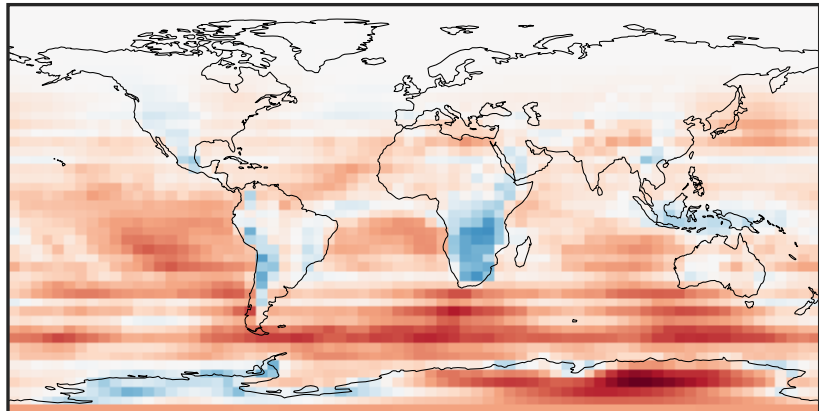
14.2.0-rc.2 (Ref)  
4.0x5.0



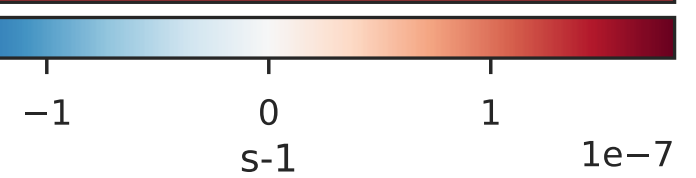
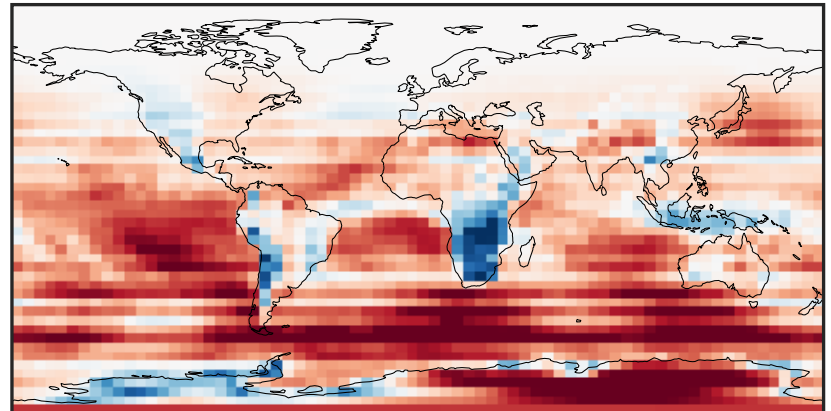
14.3.0-rc.0 (Dev)  
4.0x5.0



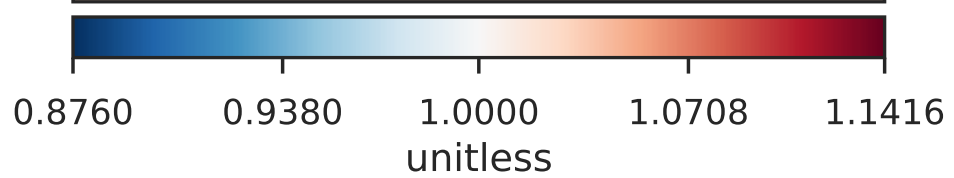
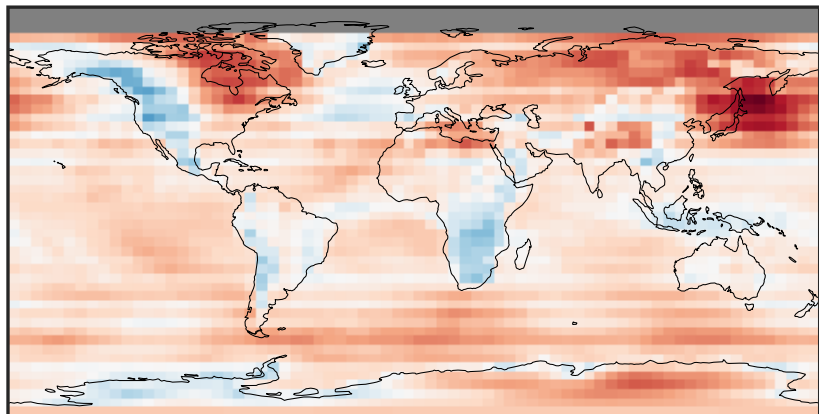
Difference  
Dev - Ref, Dynamic Range



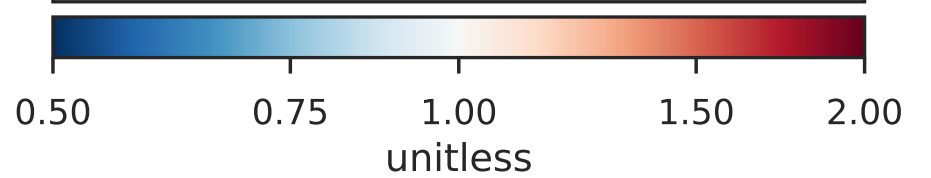
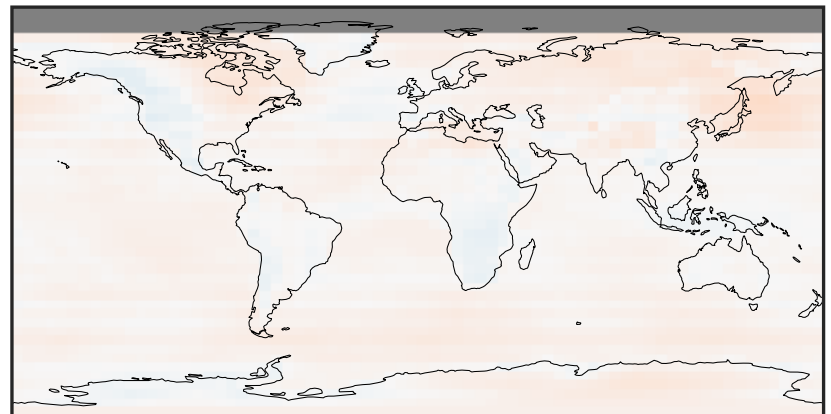
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

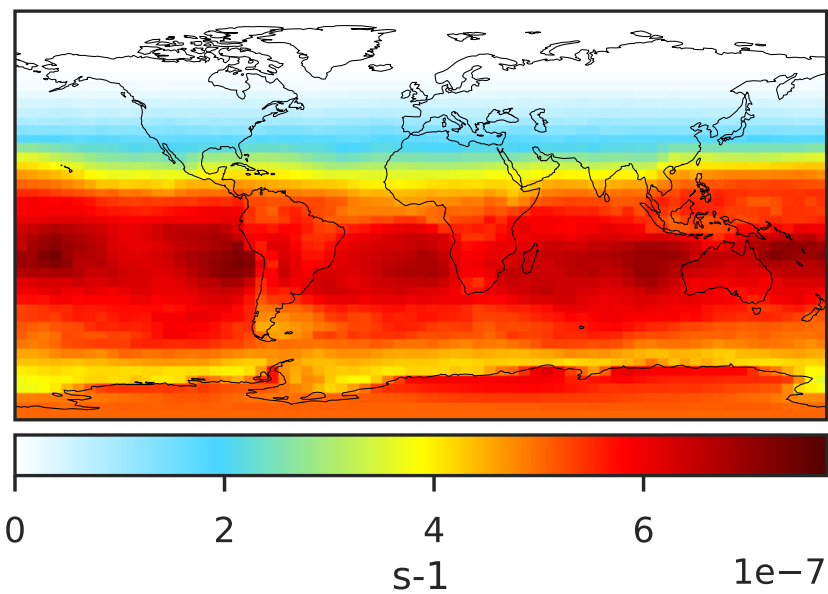


Ratio  
Dev/Ref, Fixed Range

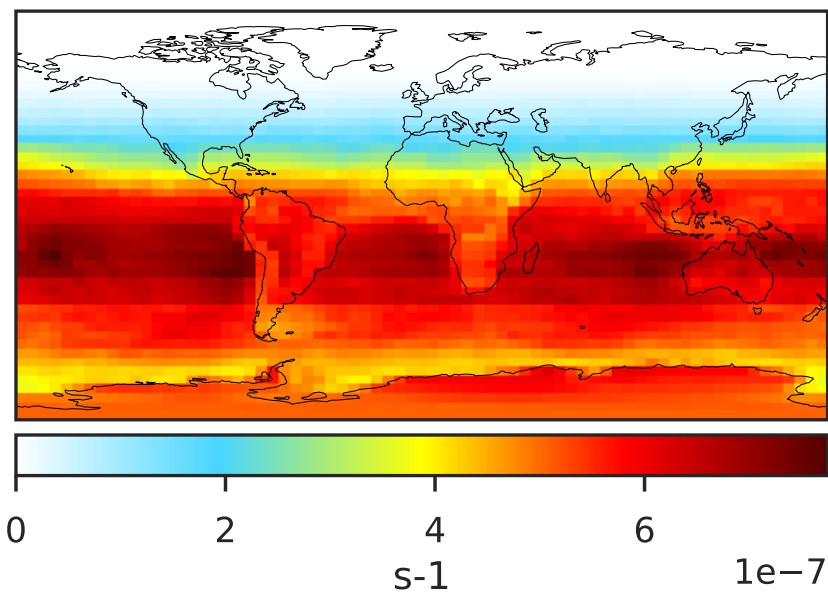


# Jval\_CHBr3 (Jan2019)

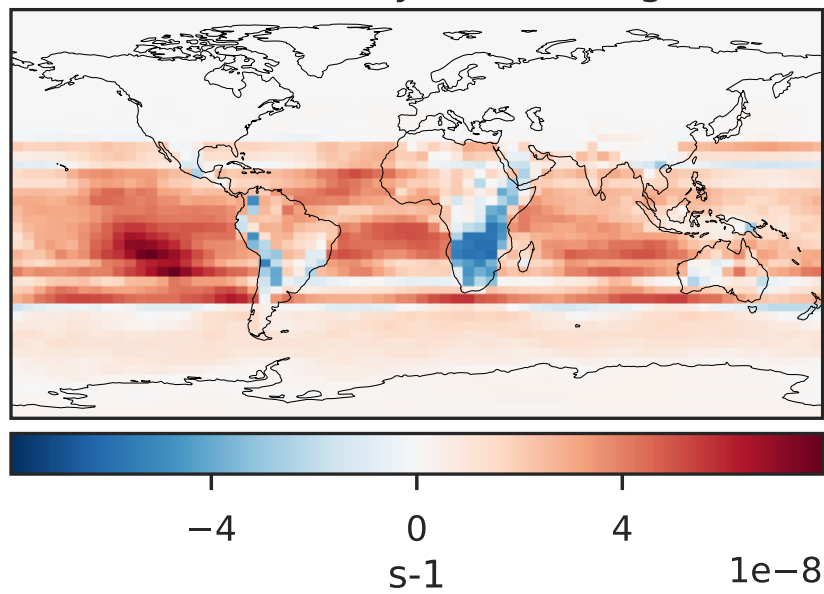
14.2.0-rc.2 (Ref)  
4.0x5.0



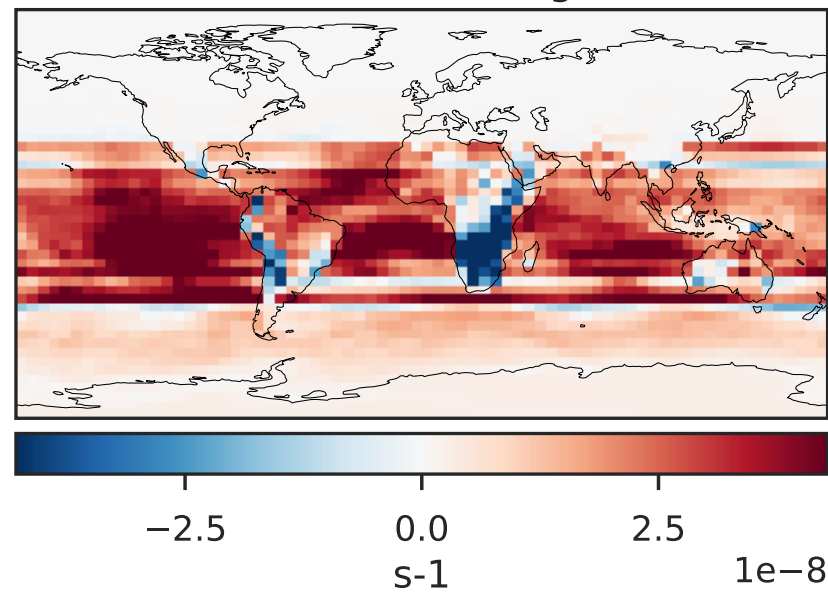
14.3.0-rc.0 (Dev)  
4.0x5.0



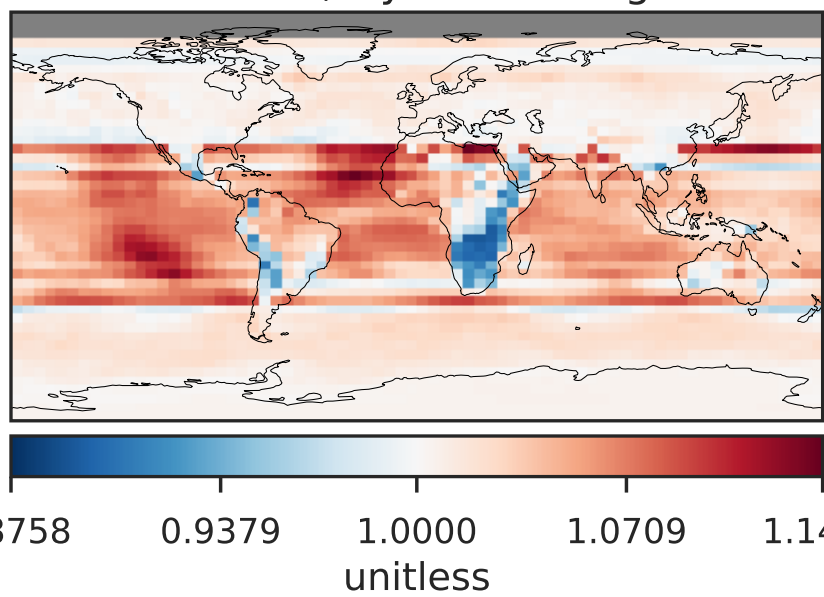
Difference  
Dev - Ref, Dynamic Range



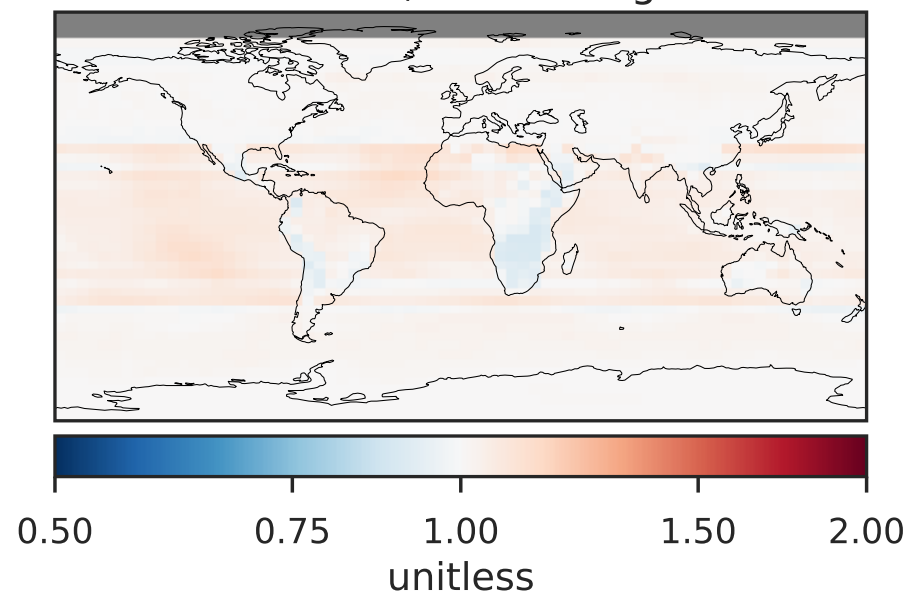
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



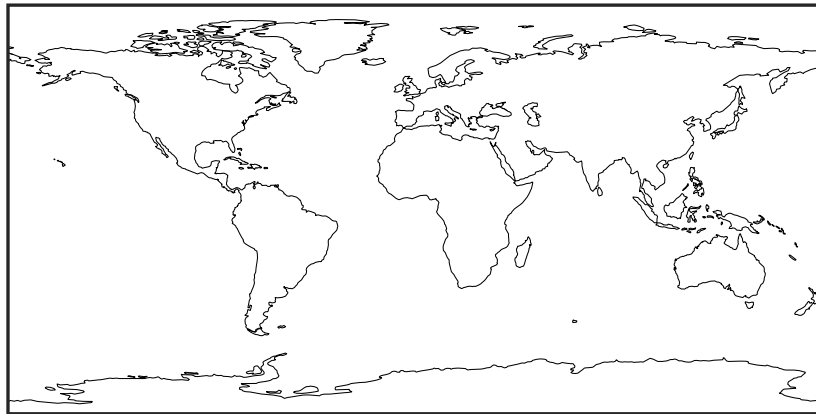
Ratio  
Dev/Ref, Fixed Range





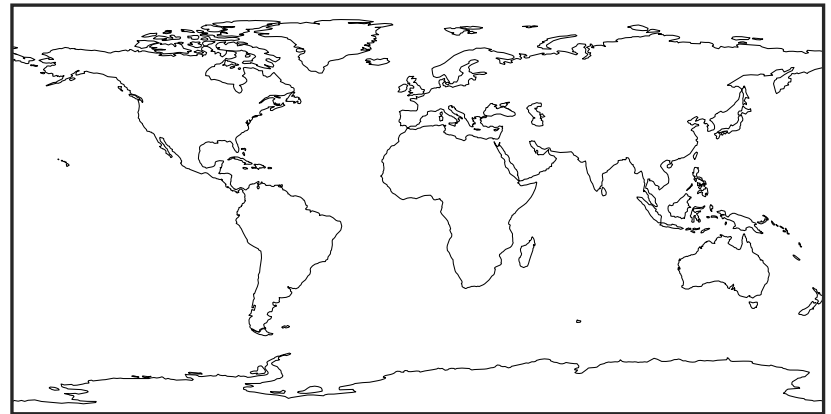
# Jval\_CHCl3 (Jan2019)

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%]



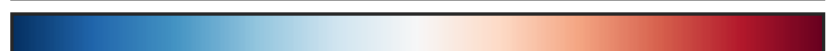
Zero throughput domain  
s-1

Ratio  
Dev/Ref, Dynamic Range



Undefined throughput domain  
unitless

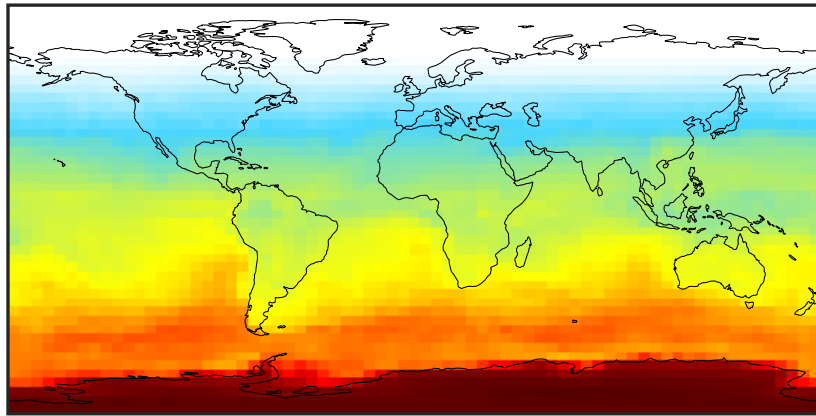
Ratio  
Dev/Ref, Fixed Range



Undefined throughput domain  
unitless

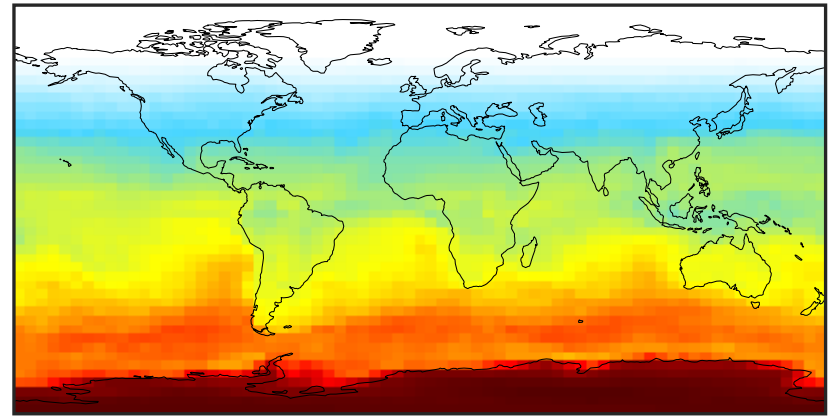
# Jval\_CI2 (Jan2019)

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



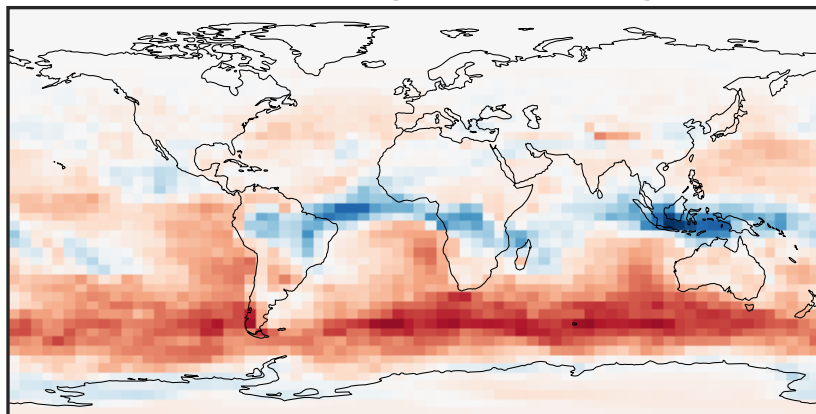
0.0000 0.0008 0.0016 0.0024  
s-1

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



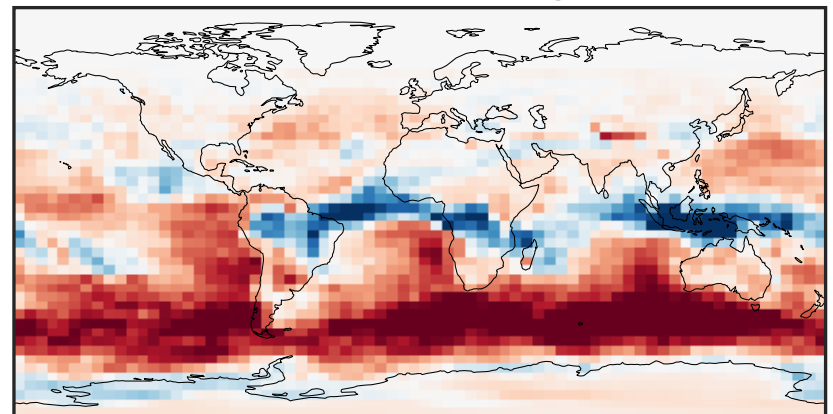
0.0000 0.0008 0.0016 0.0024  
s-1

Difference  
Dev - Ref, Dynamic Range



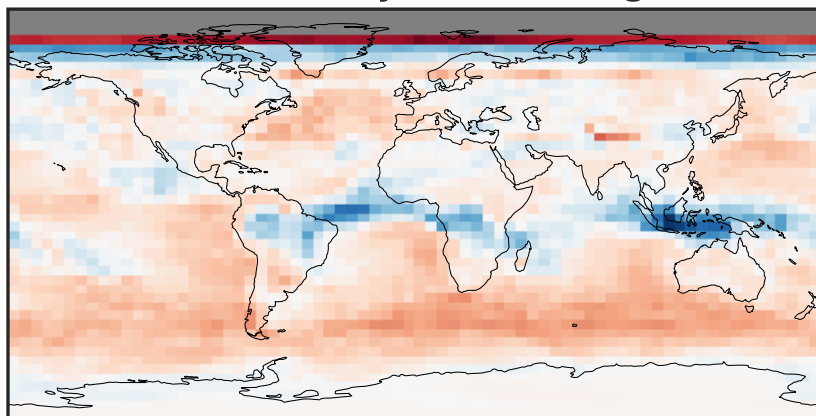
-4 0 4  
s-1 1e-5

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



-2 0 2  
s-1 1e-5

Ratio  
Dev/Ref, Dynamic Range



0.9441 0.9720 1.0000 1.0296 1.0593  
unitless

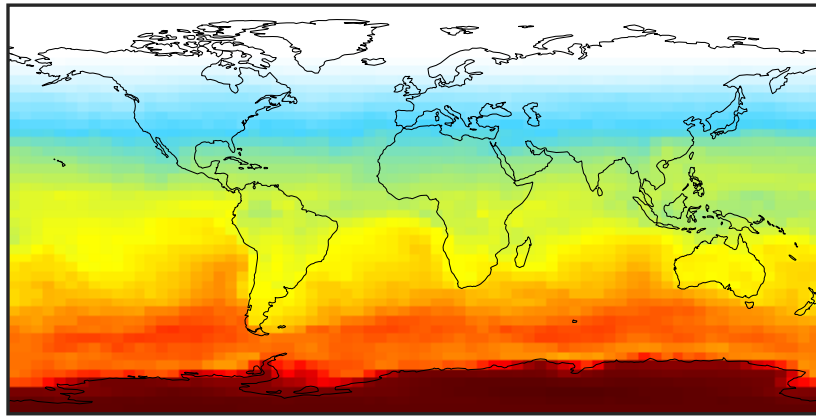
Ratio  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

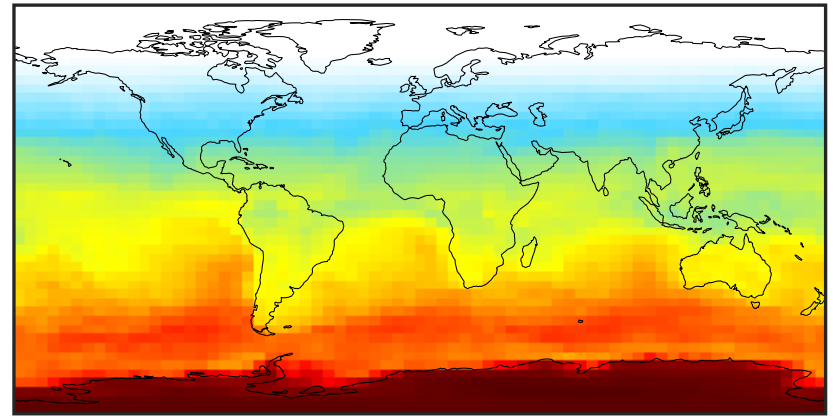
# Jval\_Cl202 (Jan2019)

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



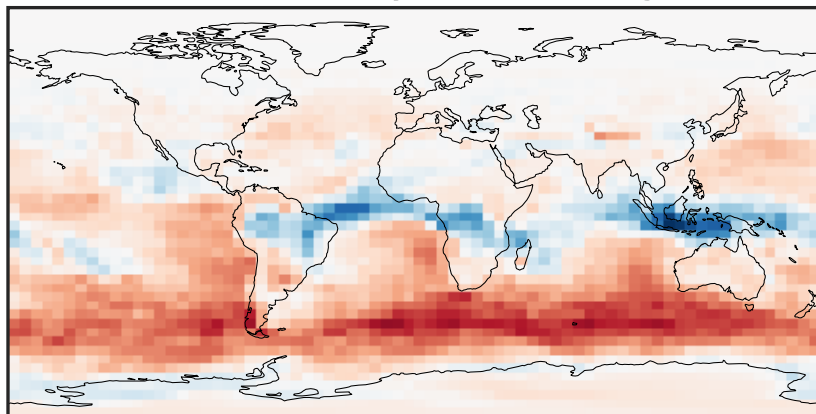
0.0000 0.0006 0.0012 0.0018  
s-1

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



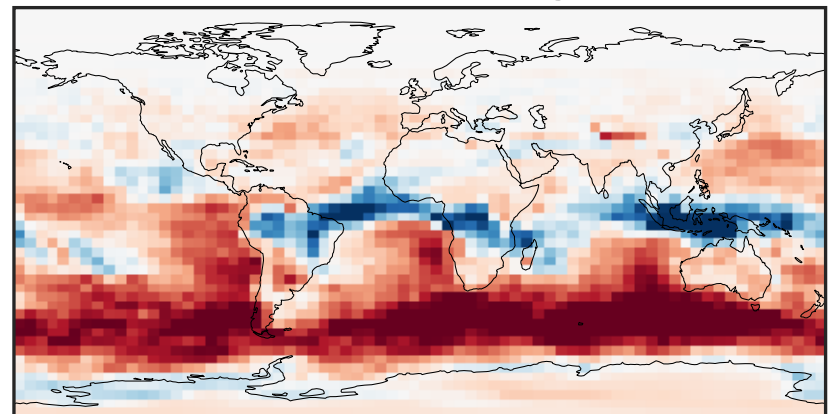
0.0000 0.0006 0.0012 0.0018  
s-1

Difference  
Dev - Ref, Dynamic Range



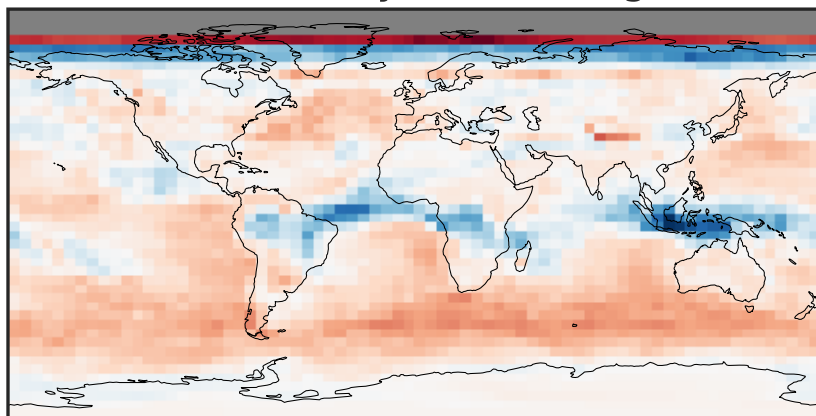
-3 0 3  
s-1 1e-5

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



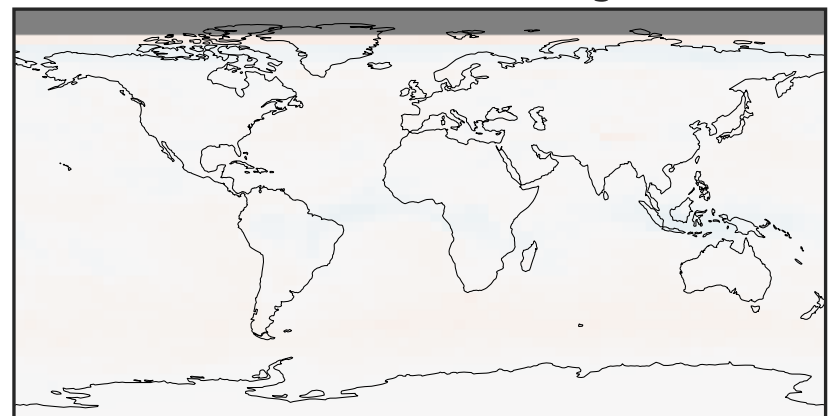
-1.5 0.0 1.5  
s-1 1e-5

Ratio  
Dev/Ref, Dynamic Range



0.9460 0.9730 1.0000 1.0285 1.0571  
unitless

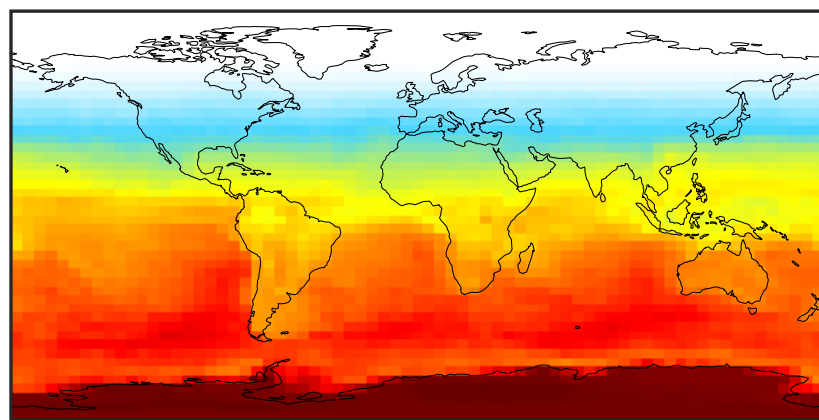
Ratio  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

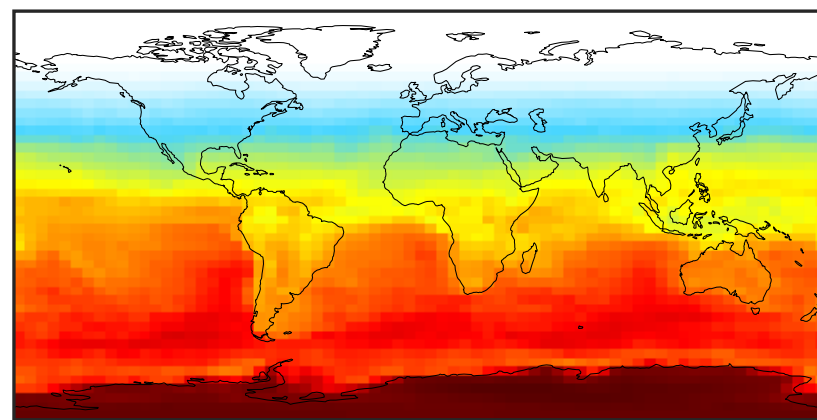
# Jval\_CINO2 (Jan2019)

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



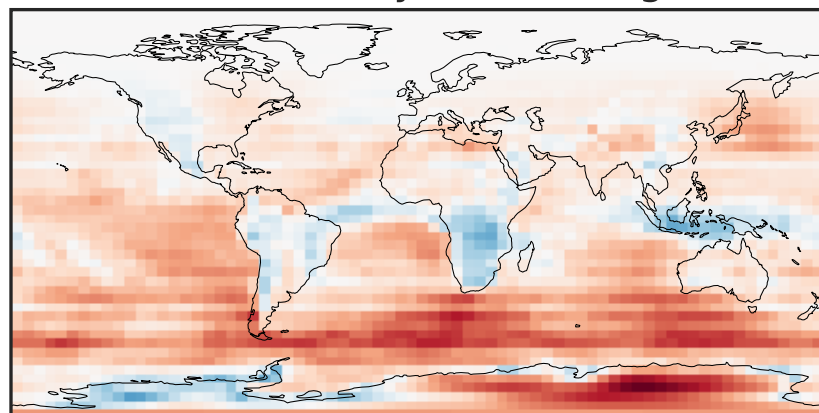
0.0000 0.0001 0.0002 0.0003  
s-1

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



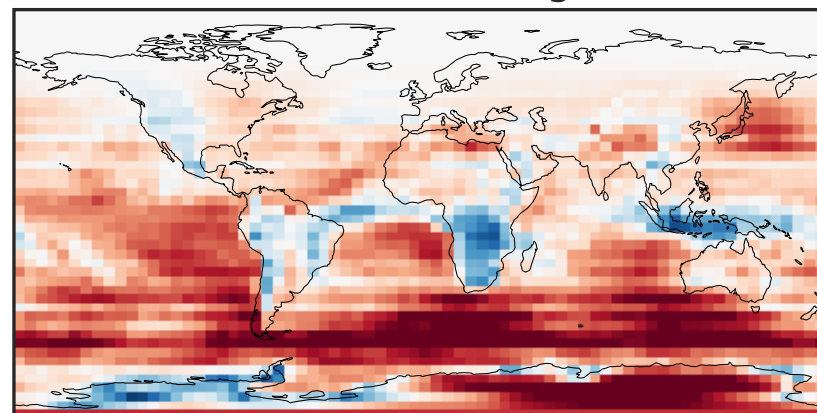
0.0000 0.0001 0.0002 0.0003  
s-1

Difference  
Dev - Ref, Dynamic Range



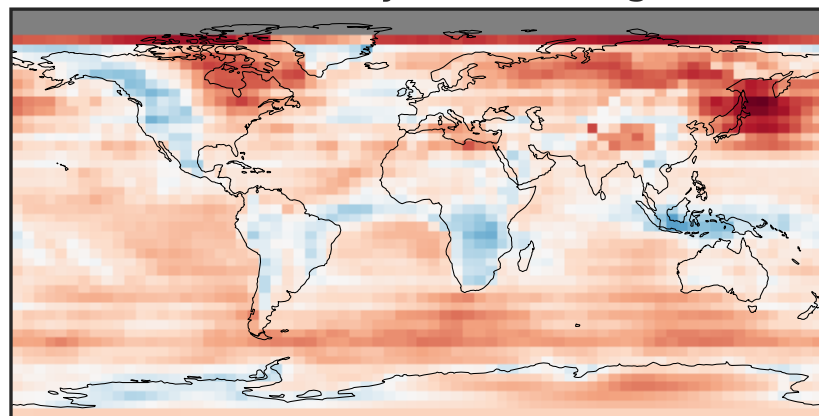
-8 0 8  
s-1 1e-6

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



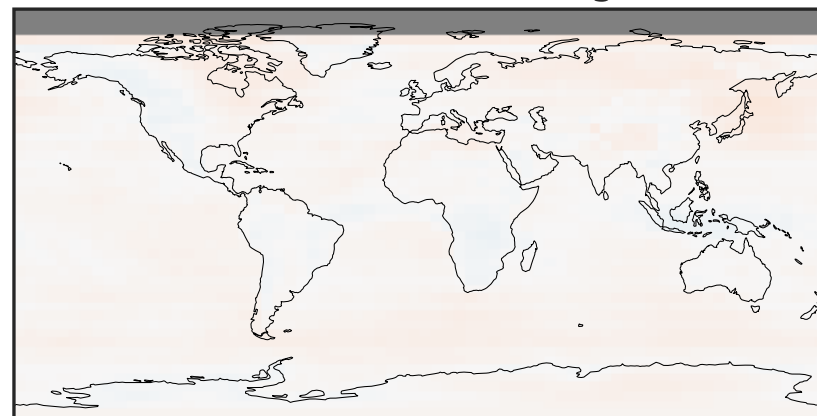
-5 0 5  
s-1 1e-6

Ratio  
Dev/Ref, Dynamic Range



0.9226 0.9613 1.0000 1.0419 1.0839  
unitless

Ratio  
Dev/Ref, Fixed Range

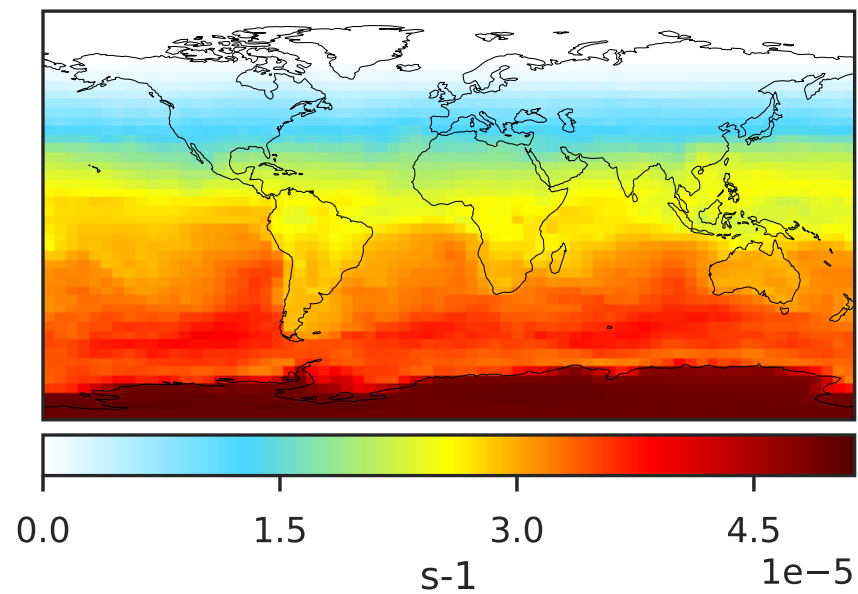


0.50 0.75 1.00 1.50 2.00  
unitless

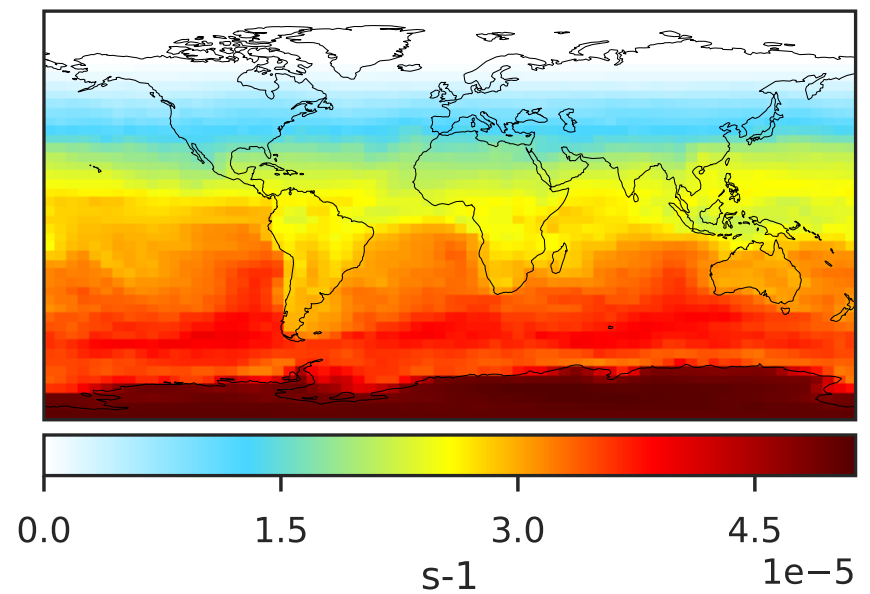


# Jval\_CINO3 (Jan2019)

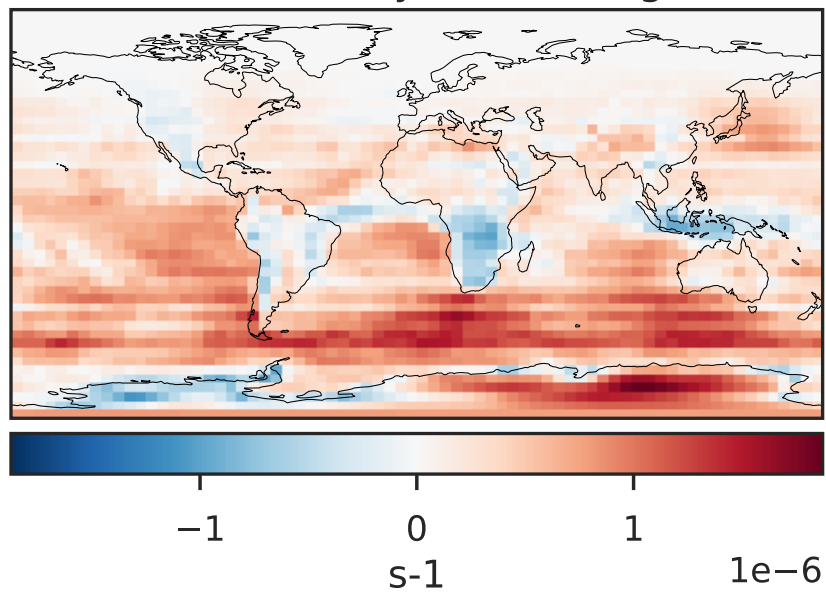
14.2.0-rc.2 (Ref)  
4.0x5.0



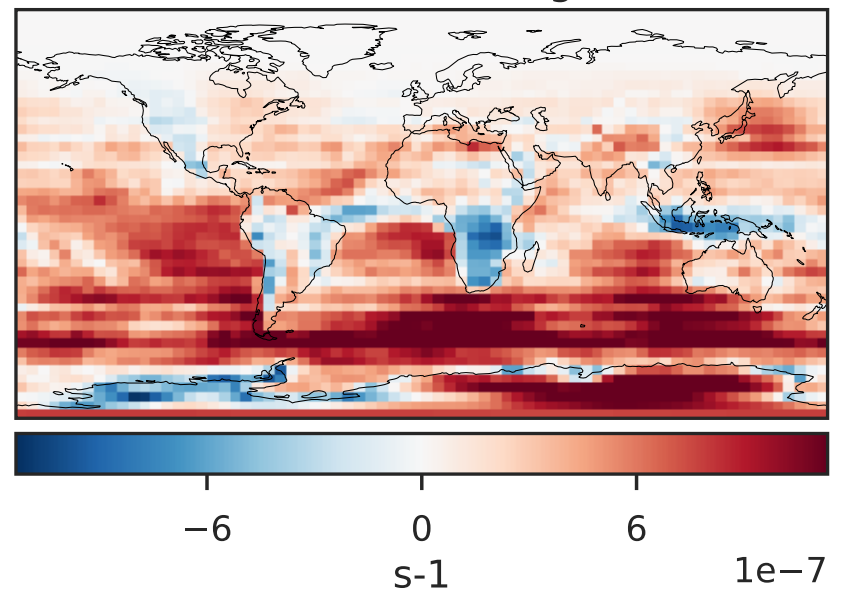
14.3.0-rc.0 (Dev)  
4.0x5.0



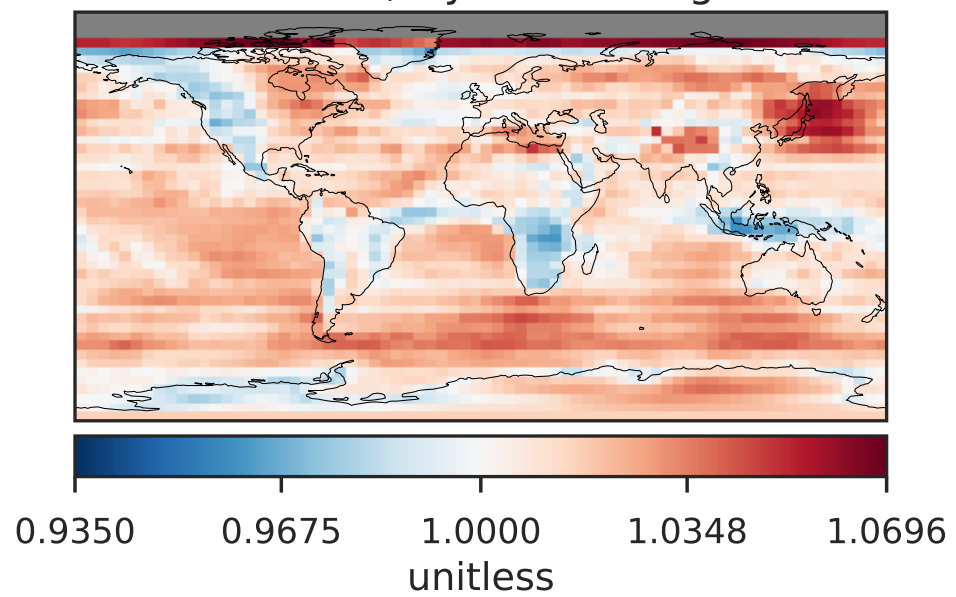
Difference  
Dev - Ref, Dynamic Range



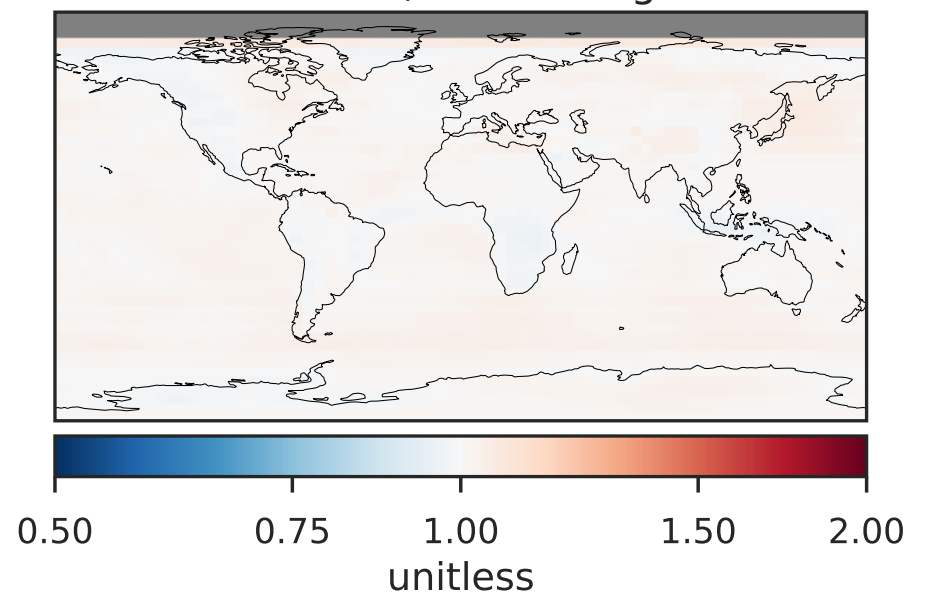
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

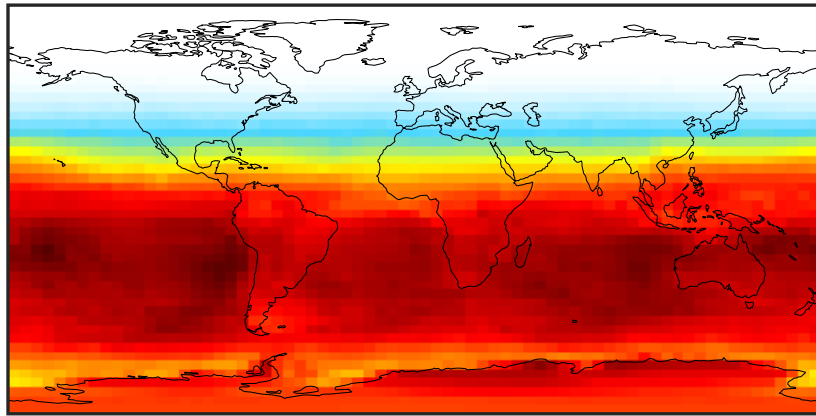


Ratio  
Dev/Ref, Fixed Range



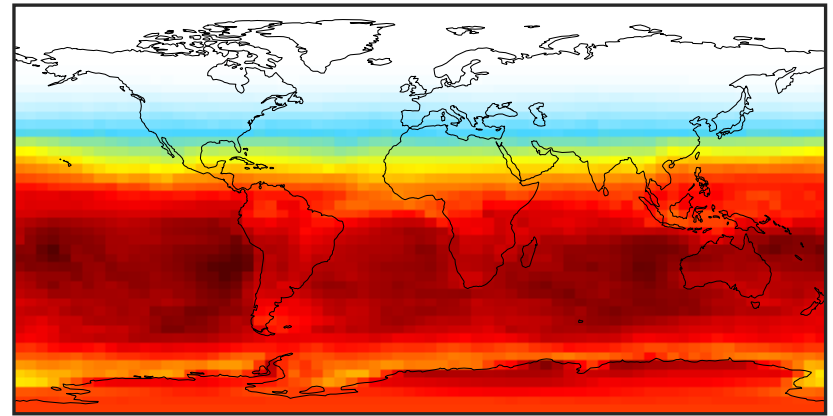
# Jval\_CIO (Jan2019)

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



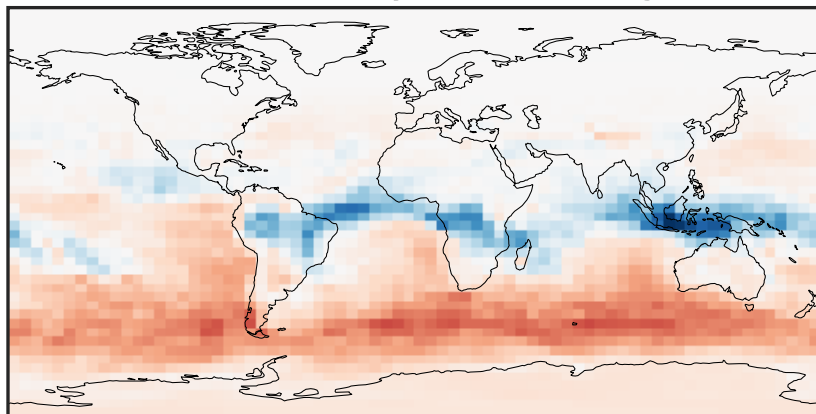
0.00000 0.00004 0.00008 0.00012  
s-1

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



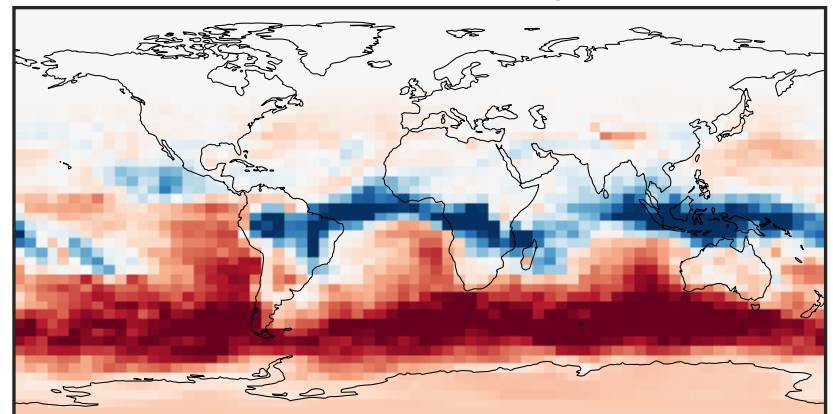
0.00000 0.00004 0.00008 0.00012  
s-1

Difference  
Dev - Ref, Dynamic Range



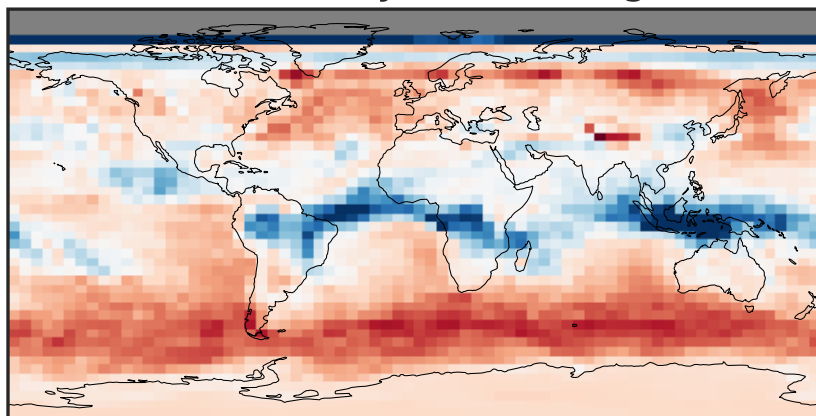
-3 0 3  
s-1 1e-6

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



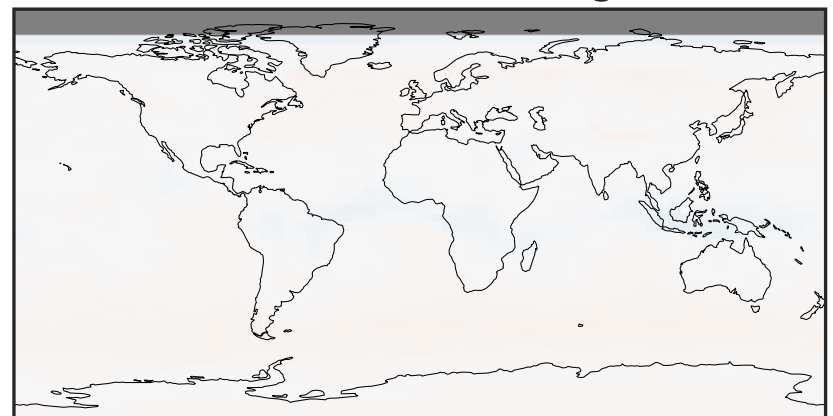
-1.5 0.0 1.5  
s-1 1e-6

Ratio  
Dev/Ref, Dynamic Range



0.96564 0.98282 1.00000 1.01779 1.03559  
unitless

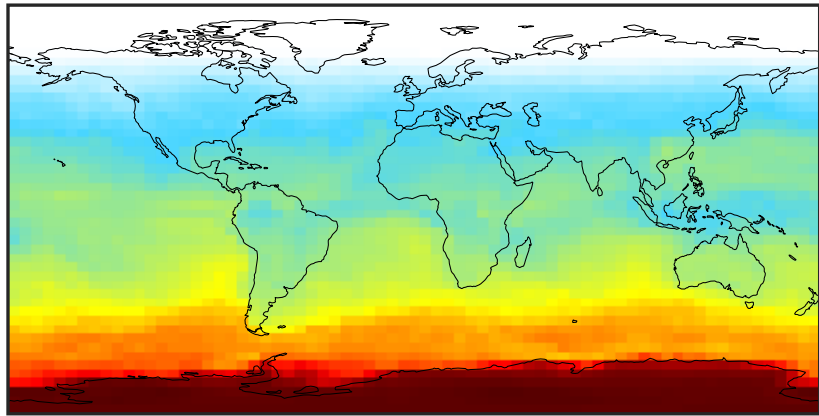
Ratio  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

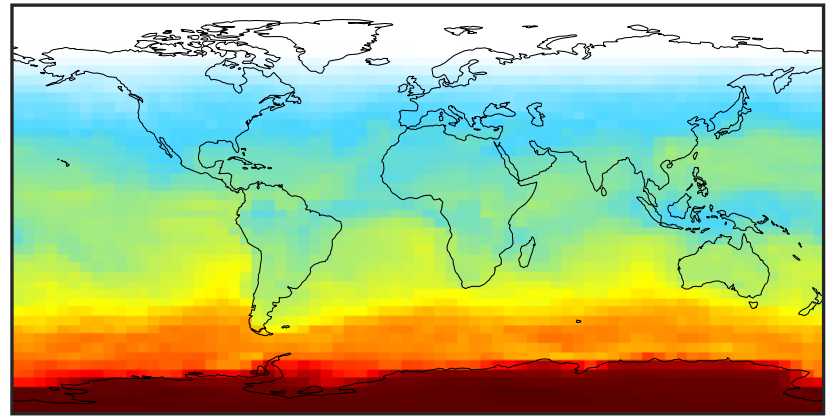
# Jval\_CIOO (Jan2019)

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



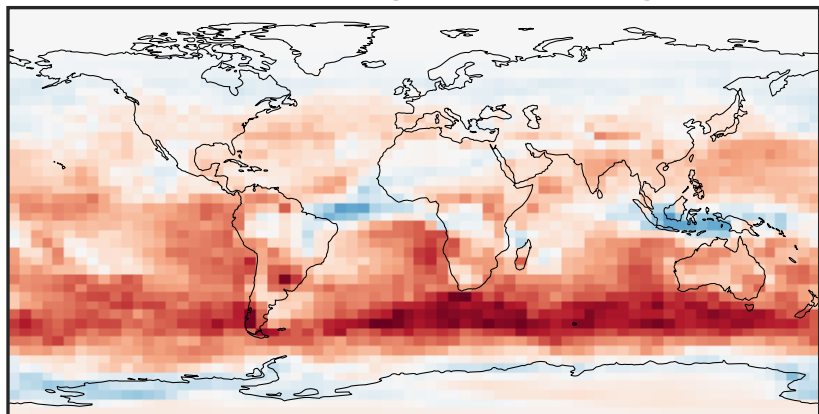
0.0000 0.1933 0.3867 0.5800 0.7733  
s-1

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



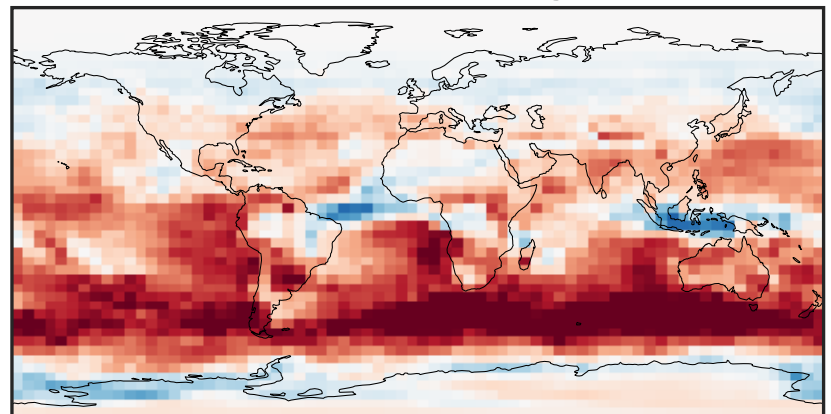
0.0000 0.1933 0.3867 0.5800 0.7733  
s-1

Difference  
Dev - Ref, Dynamic Range



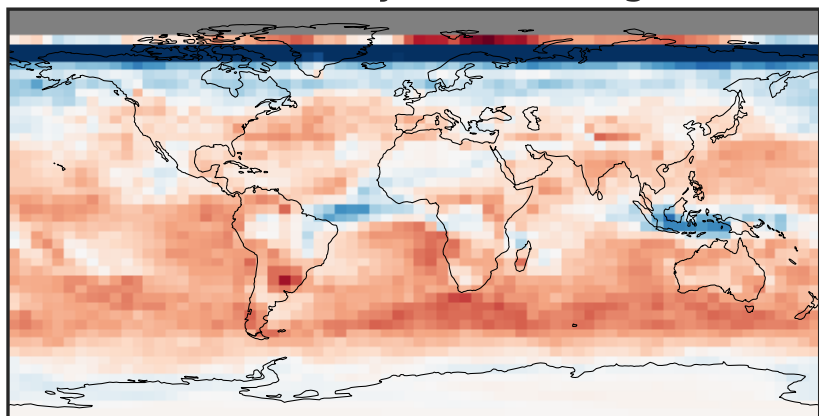
-0.01 0.00 0.01  
s-1

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



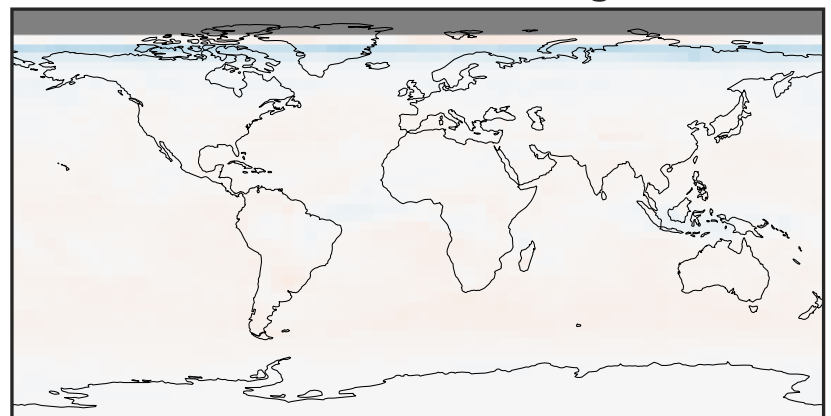
-0.006 0.000 0.006  
s-1

Ratio  
Dev/Ref, Dynamic Range



0.9399 0.9699 1.0000 1.0320 1.0640  
unitless

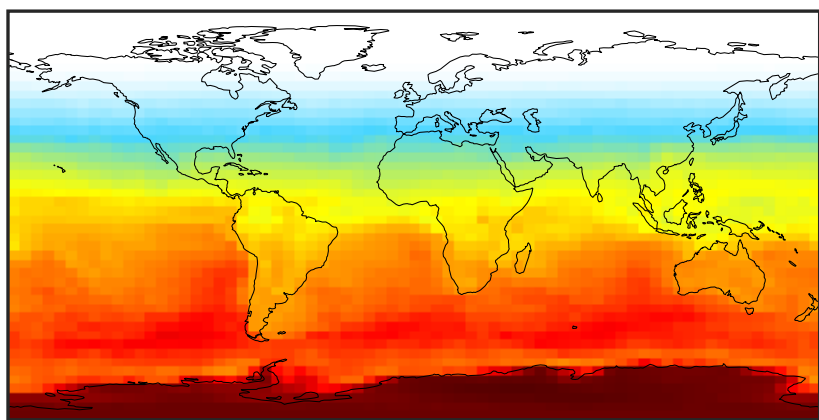
Ratio  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

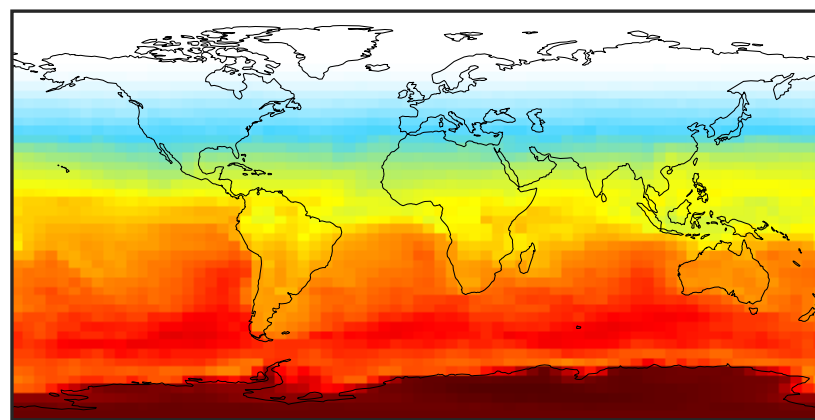
# Jval\_ETHLN (Jan2019)

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



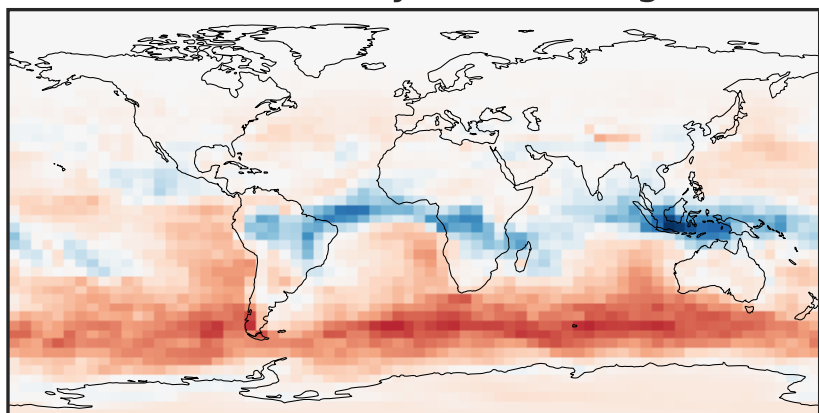
0.00000 0.00004 0.00008 0.00012  
s-1

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



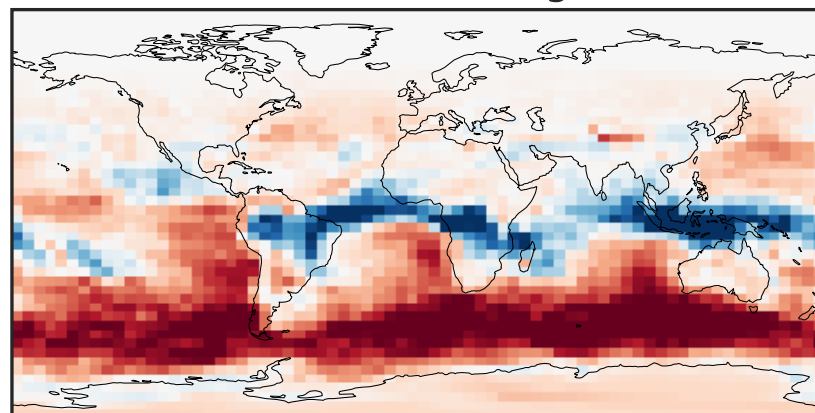
0.00000 0.00004 0.00008 0.00012  
s-1

Difference  
Dev - Ref, Dynamic Range



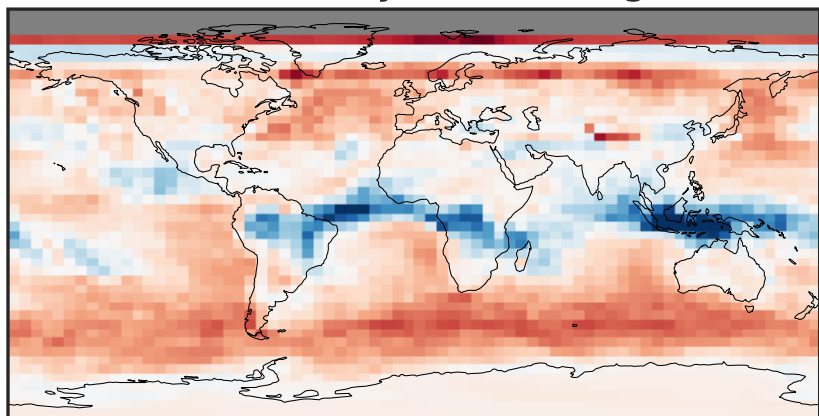
-2 0 2  
s-1 1e-6

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



-1.5 0.0 1.5  
s-1 1e-6

Ratio  
Dev/Ref, Dynamic Range



0.96046 0.98023 1.00000 1.02059 1.04117  
unitless

Ratio  
Dev/Ref, Fixed Range

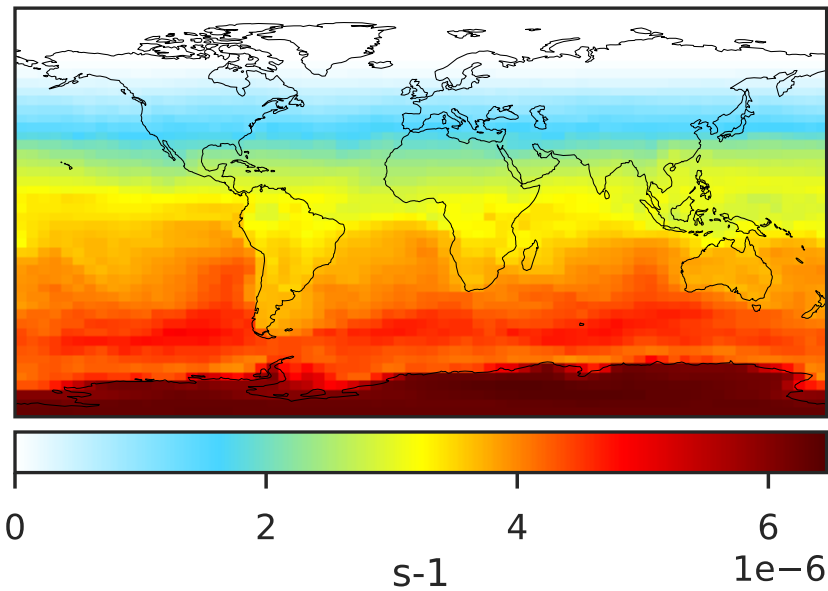


0.50 0.75 1.00 1.50 2.00  
unitless

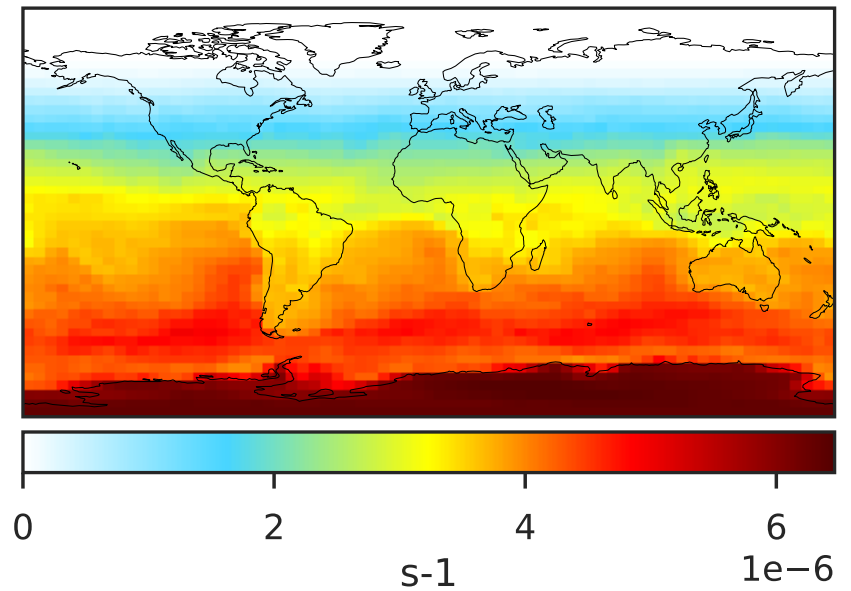


# Jval\_ETHP (Jan2019)

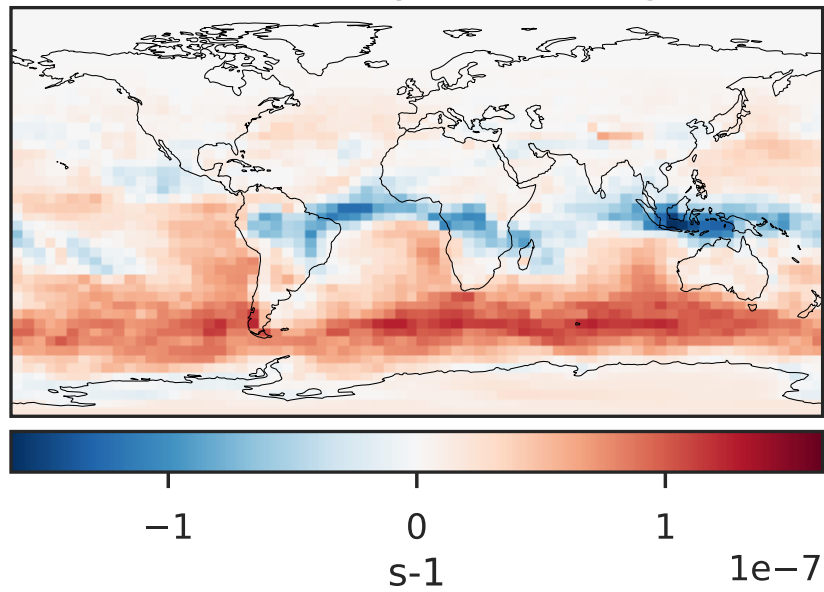
14.2.0-rc.2 (Ref)  
4.0x5.0



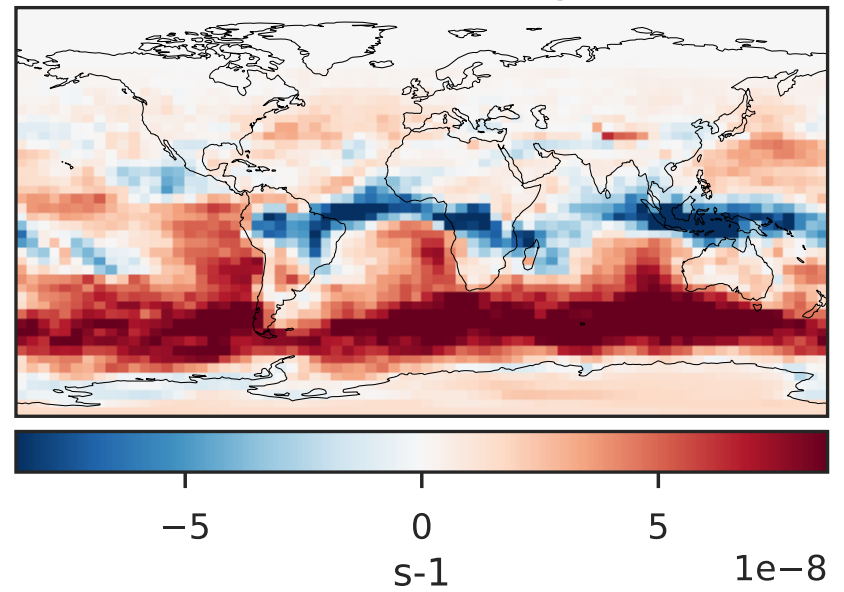
14.3.0-rc.0 (Dev)  
4.0x5.0



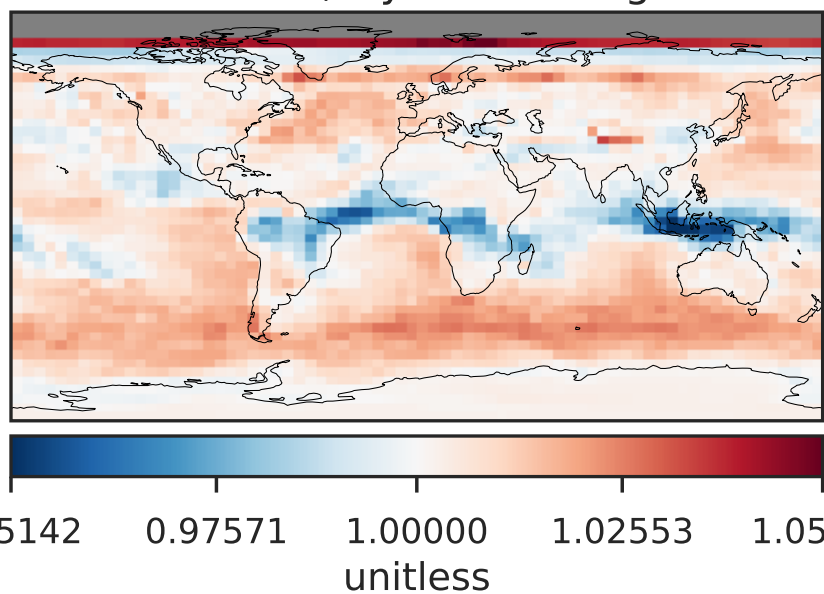
Difference  
Dev - Ref, Dynamic Range



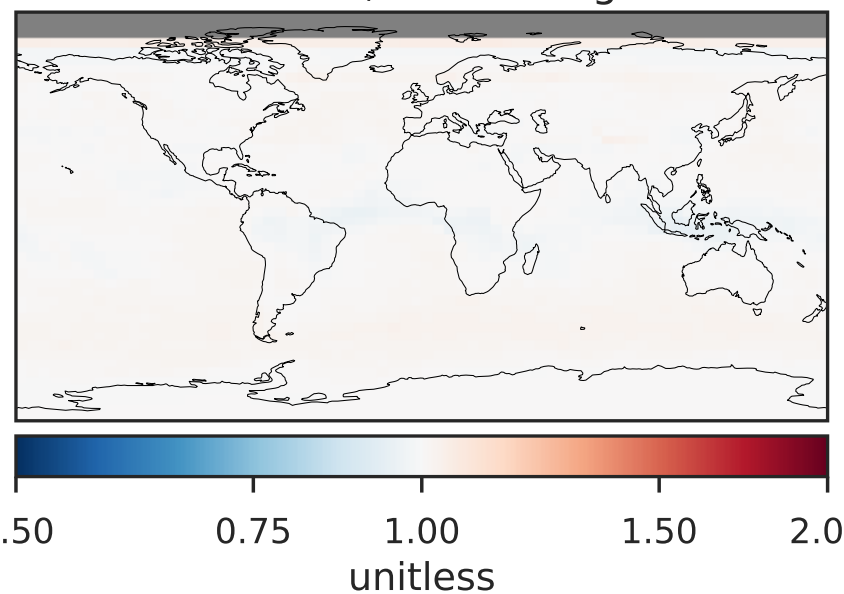
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

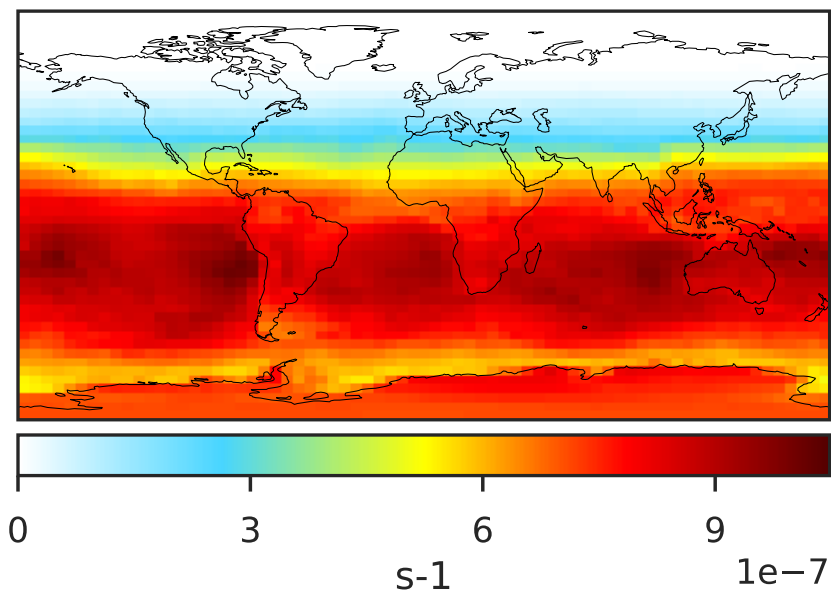


Ratio  
Dev/Ref, Fixed Range

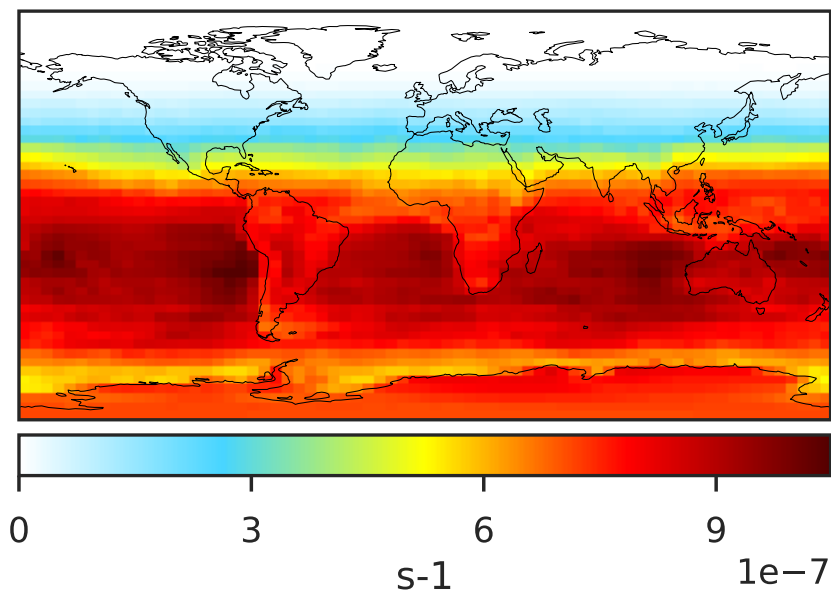


# Jval\_ETNO3 (Jan2019)

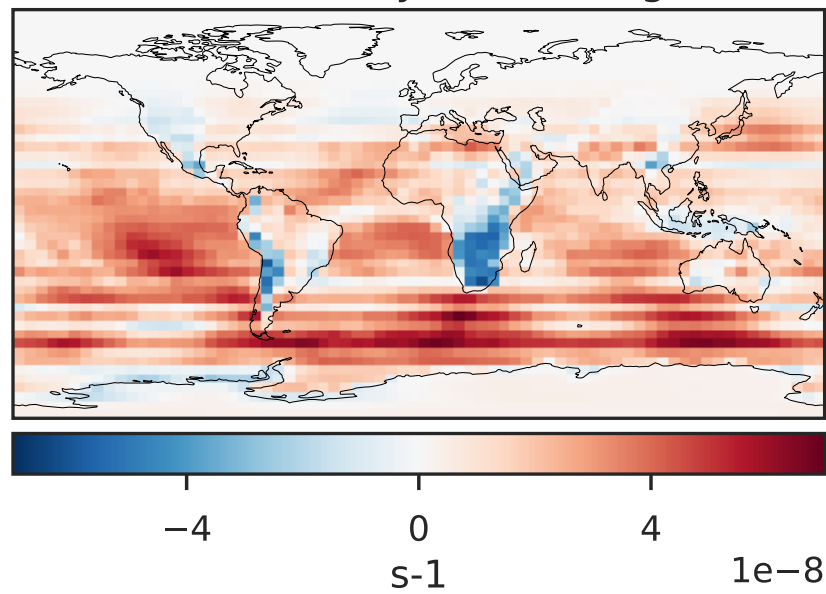
14.2.0-rc.2 (Ref)  
4.0x5.0



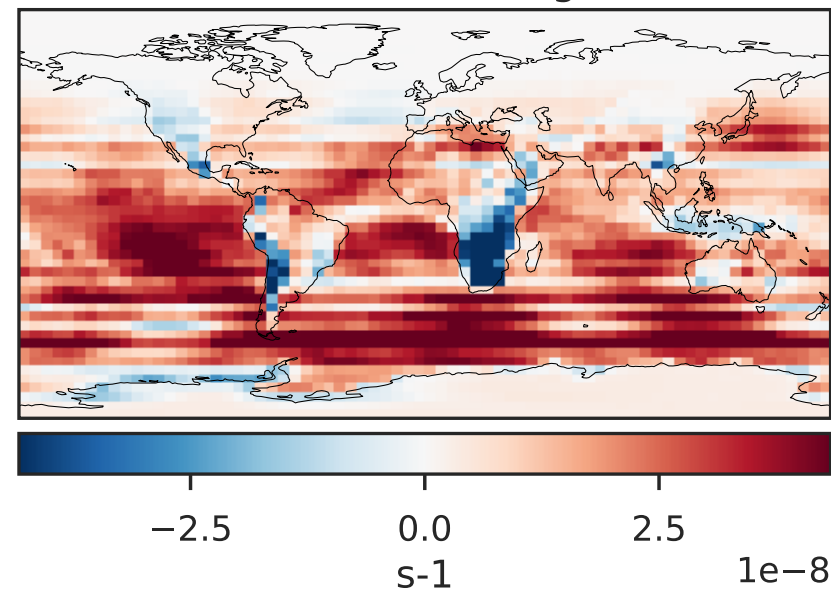
14.3.0-rc.0 (Dev)  
4.0x5.0



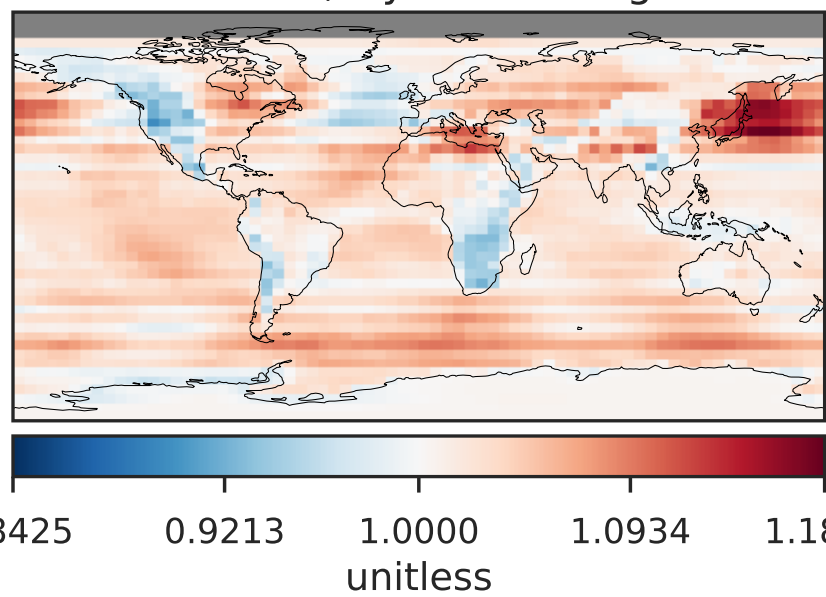
Difference  
Dev - Ref, Dynamic Range



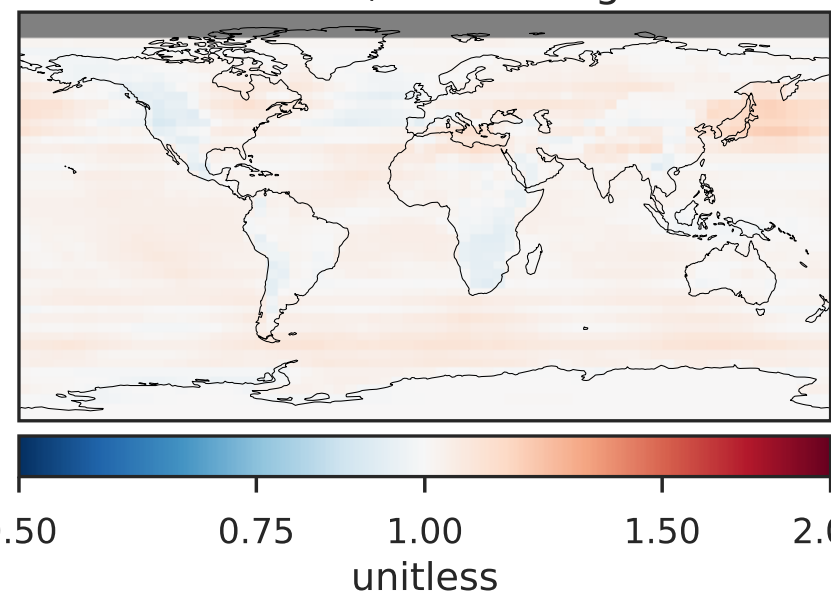
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

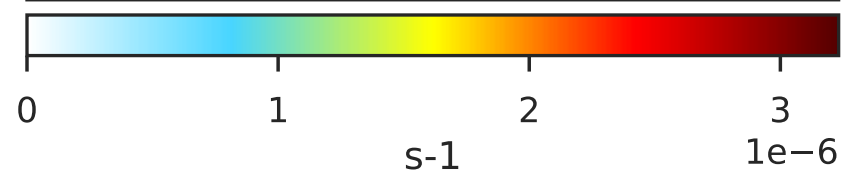
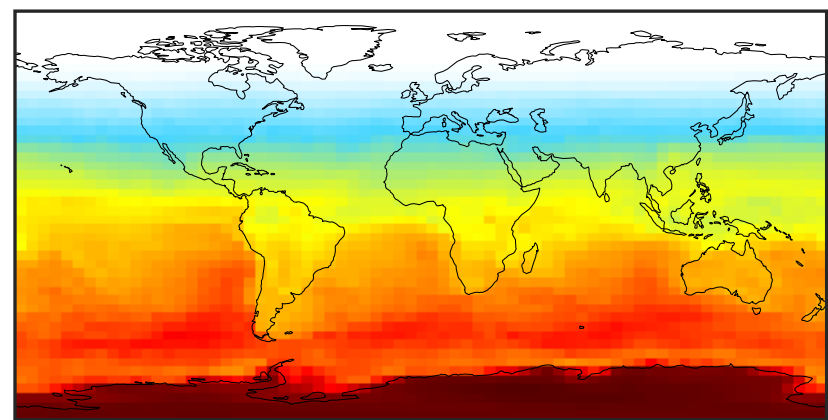


Ratio  
Dev/Ref, Fixed Range

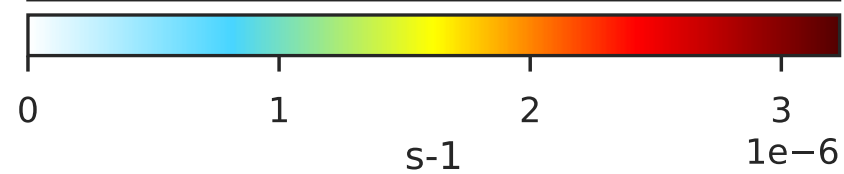
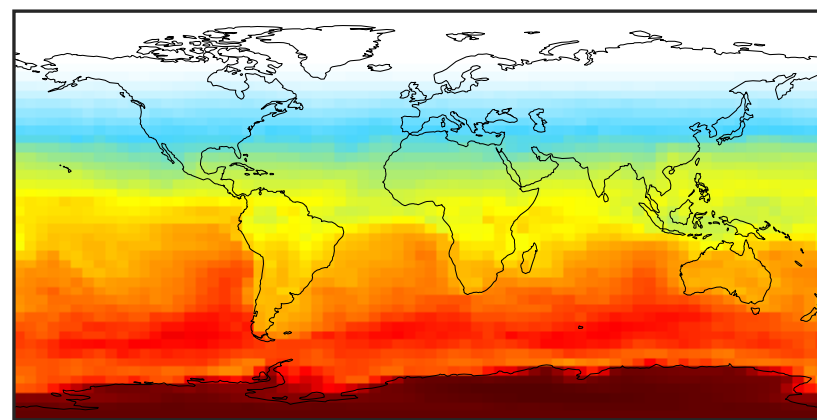


# Jval\_ETP (Jan2019)

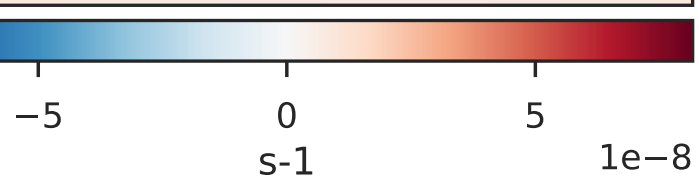
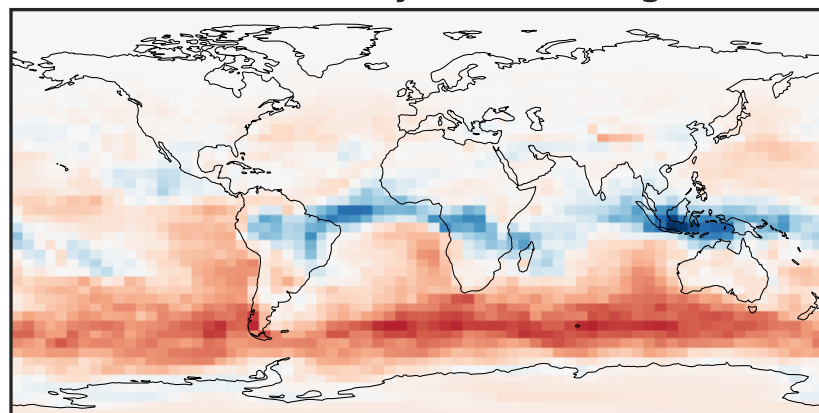
14.2.0-rc.2 (Ref)  
4.0x5.0



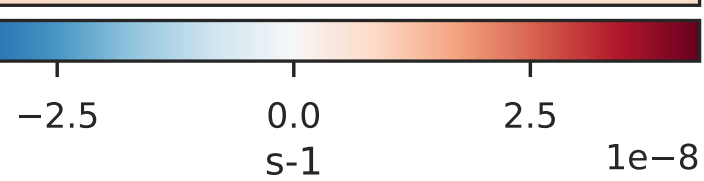
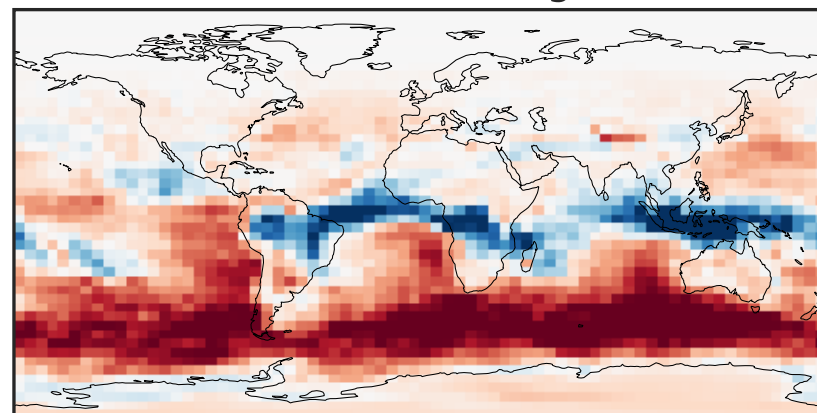
14.3.0-rc.0 (Dev)  
4.0x5.0



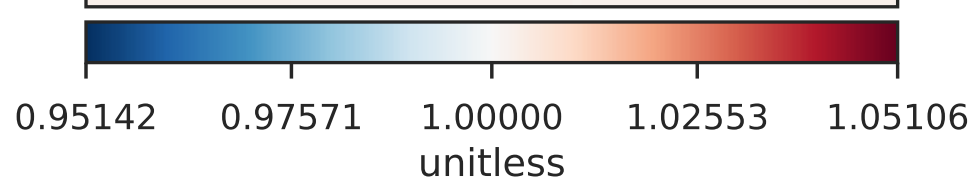
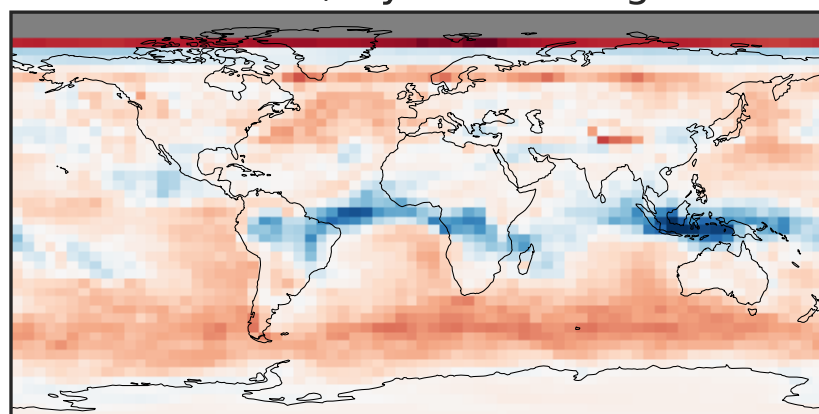
Difference  
Dev - Ref, Dynamic Range



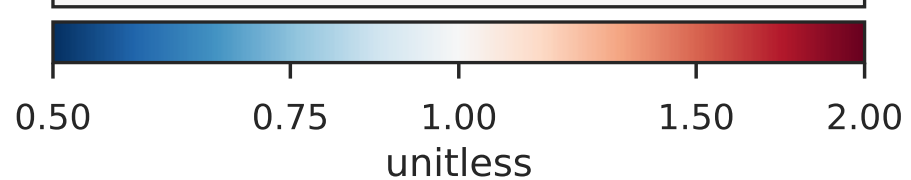
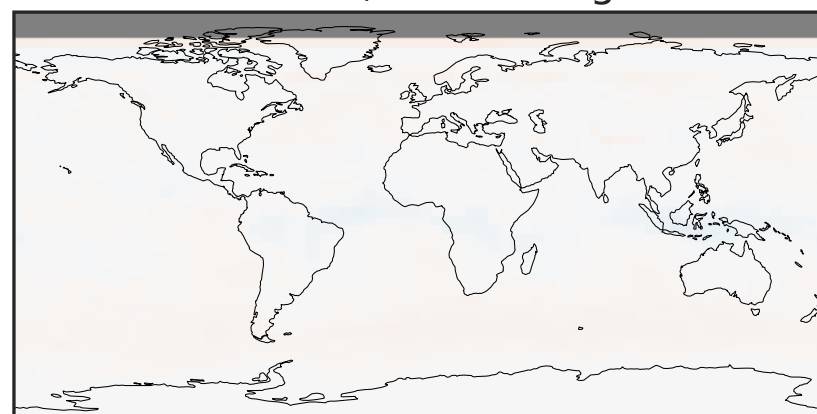
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

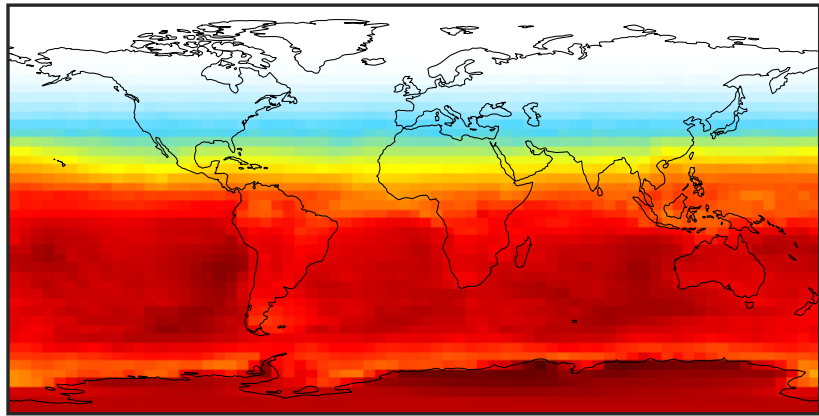


Ratio  
Dev/Ref, Fixed Range



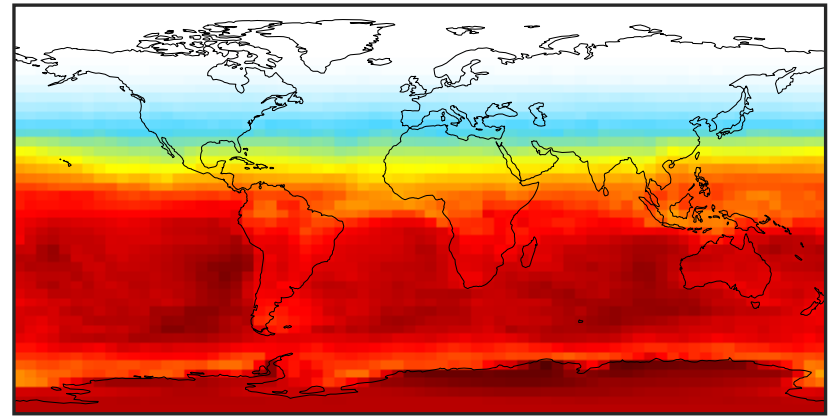
# Jval\_GLYC (Jan2019)

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



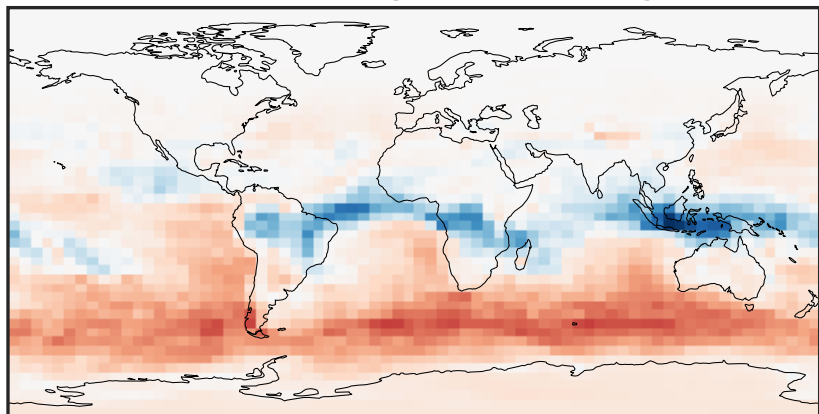
0.0 2.5 5.0 7.5  $1e-6$   
s-1

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



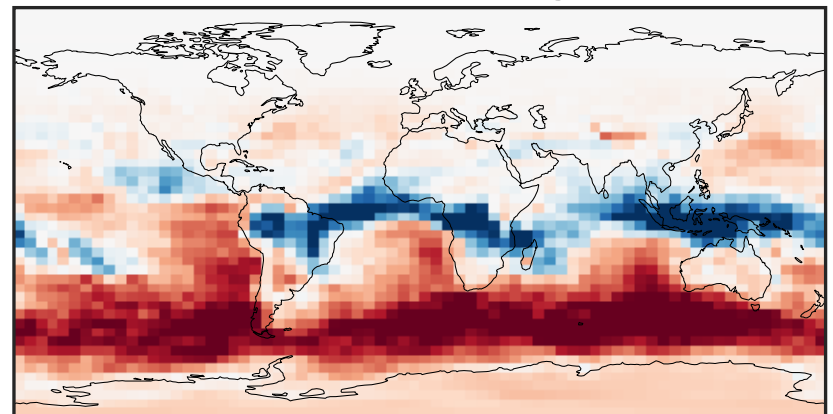
0.0 2.5 5.0 7.5  $1e-6$   
s-1

Difference  
Dev - Ref, Dynamic Range



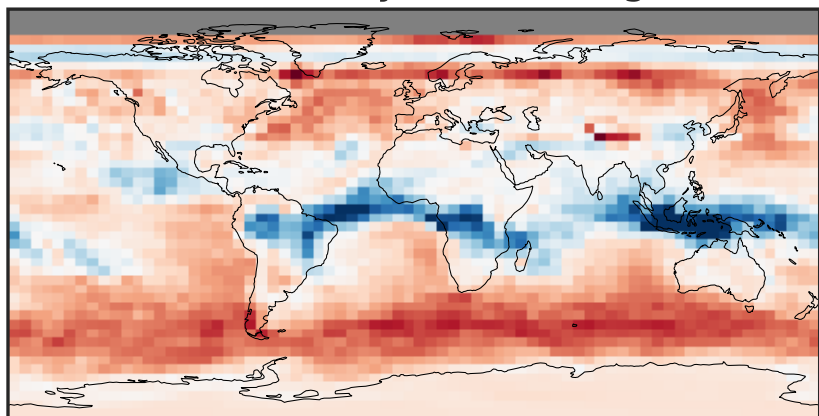
-2 0 2  $1e-7$   
s-1

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



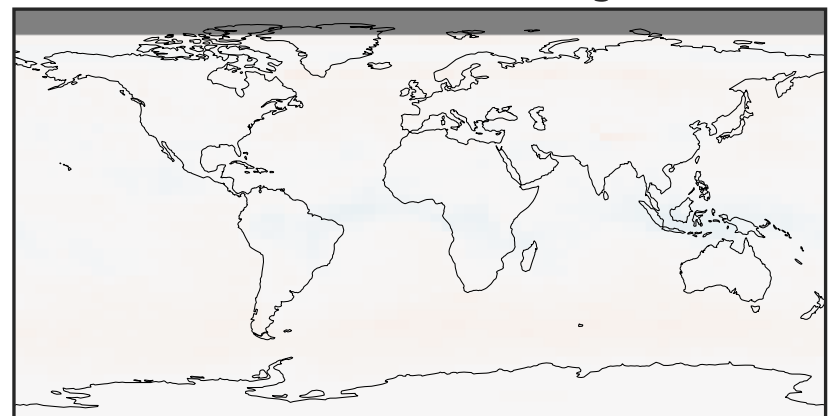
-1 0 1  $1e-7$   
s-1

Ratio  
Dev/Ref, Dynamic Range



0.96548 0.98274 1.00000 1.01788 1.03576  
unitless

Ratio  
Dev/Ref, Fixed Range

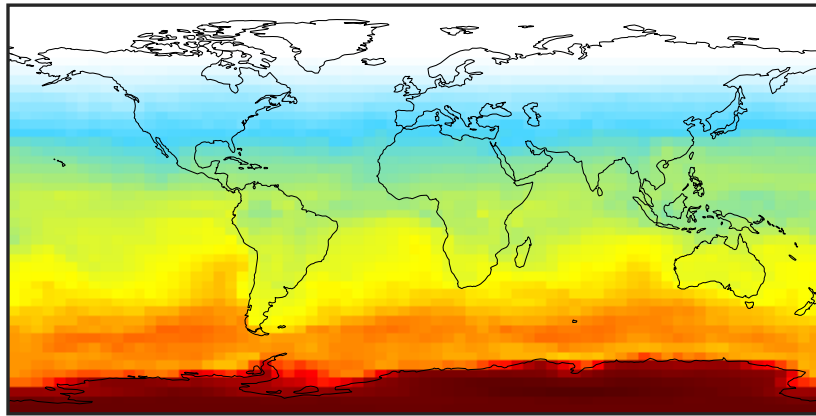


0.50 0.75 1.00 1.50 2.00  
unitless



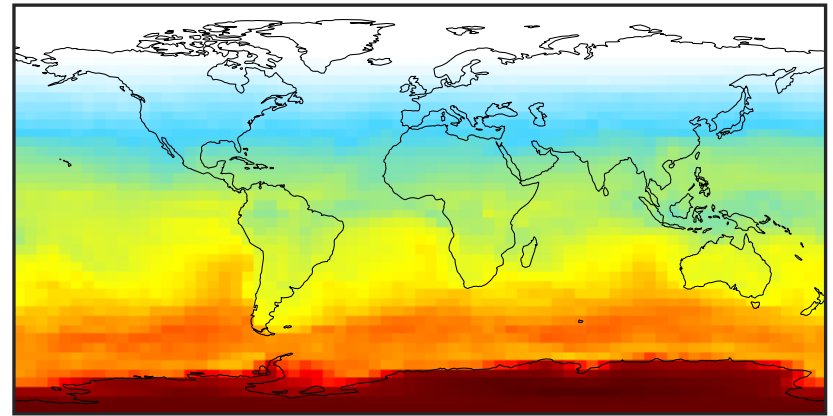
# Jval\_GLYX (Jan2019)

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



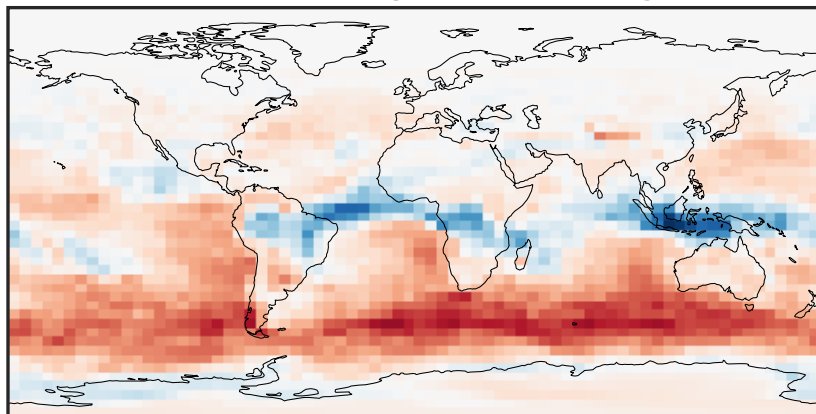
0.00000 0.00006 0.00012 0.00018  
s-1

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



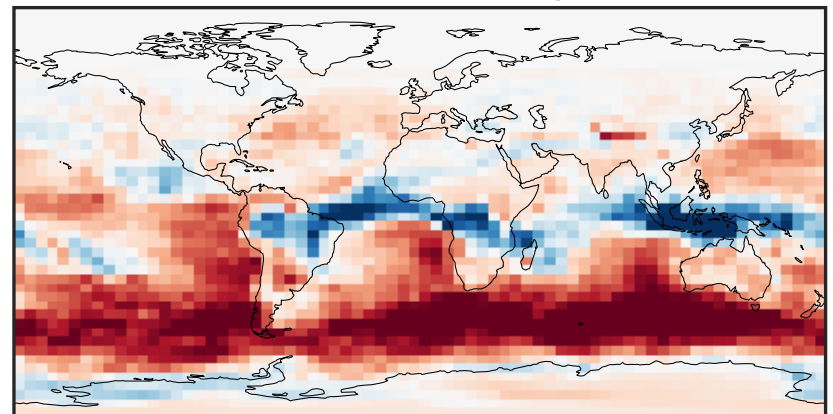
0.00000 0.00006 0.00012 0.00018  
s-1

Difference  
Dev - Ref, Dynamic Range



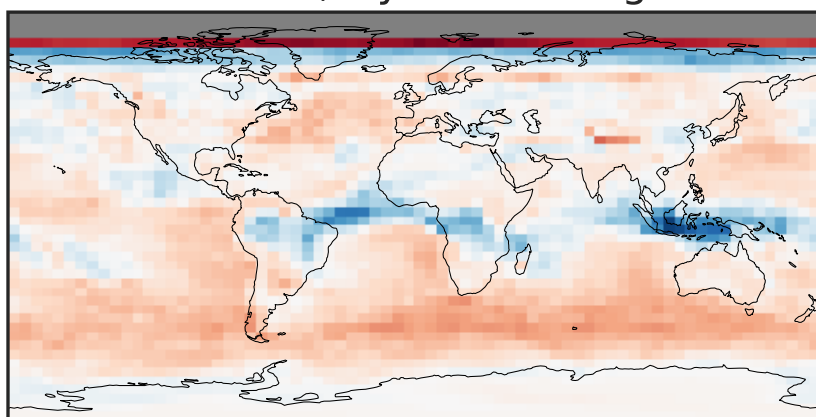
-2.5 0.0 2.5  
s-1 1e-6

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



-1.5 0.0 1.5  
s-1 1e-6

Ratio  
Dev/Ref, Dynamic Range



0.9427 0.9713 1.0000 1.0304 1.0608  
unitless

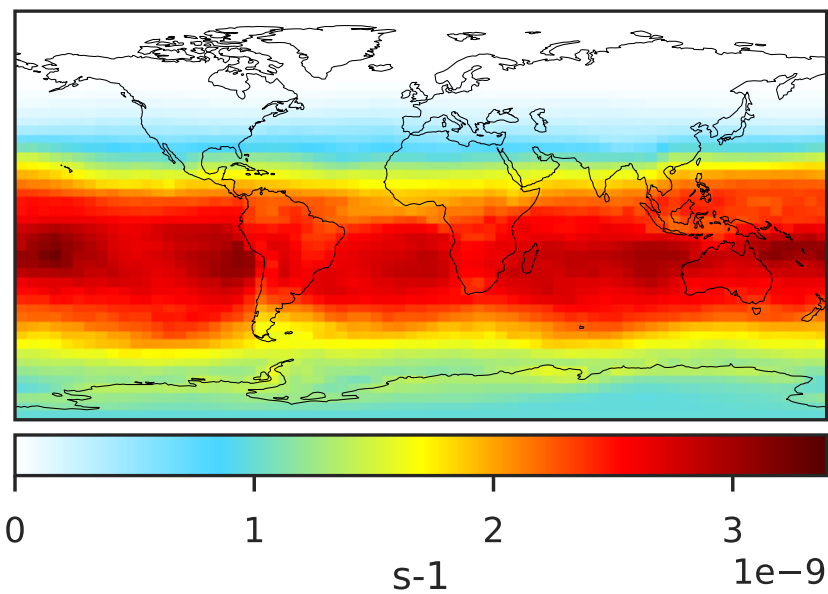
Ratio  
Dev/Ref, Fixed Range



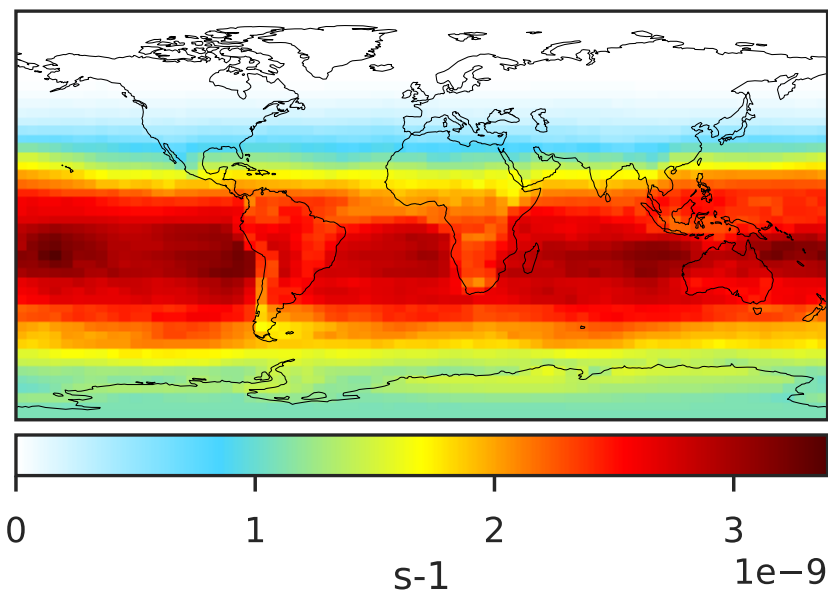
0.50 0.75 1.00 1.50 2.00  
unitless

# Jval\_H1211 (Jan2019)

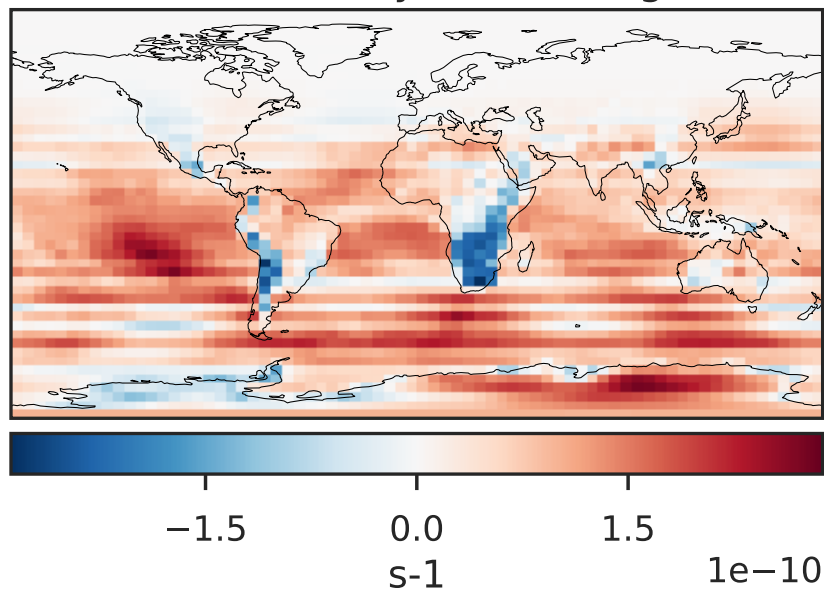
14.2.0-rc.2 (Ref)  
4.0x5.0



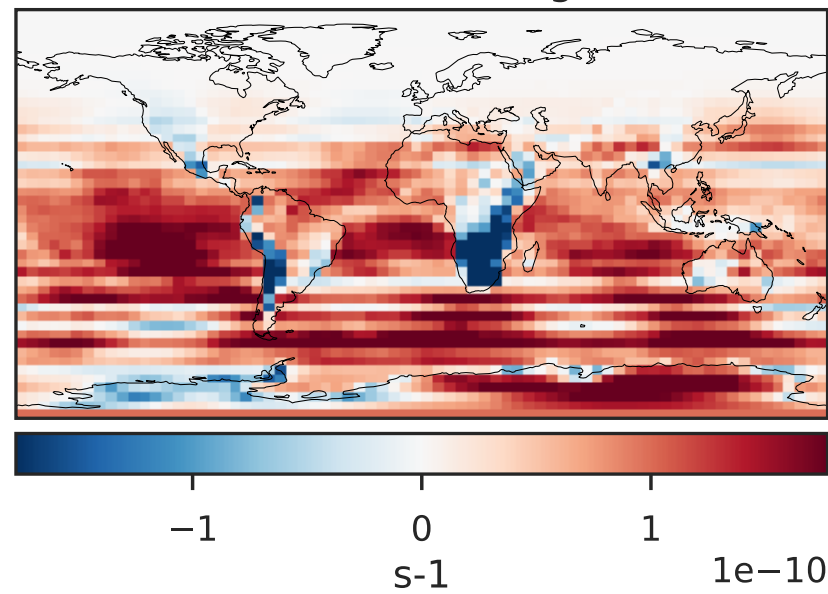
14.3.0-rc.0 (Dev)  
4.0x5.0



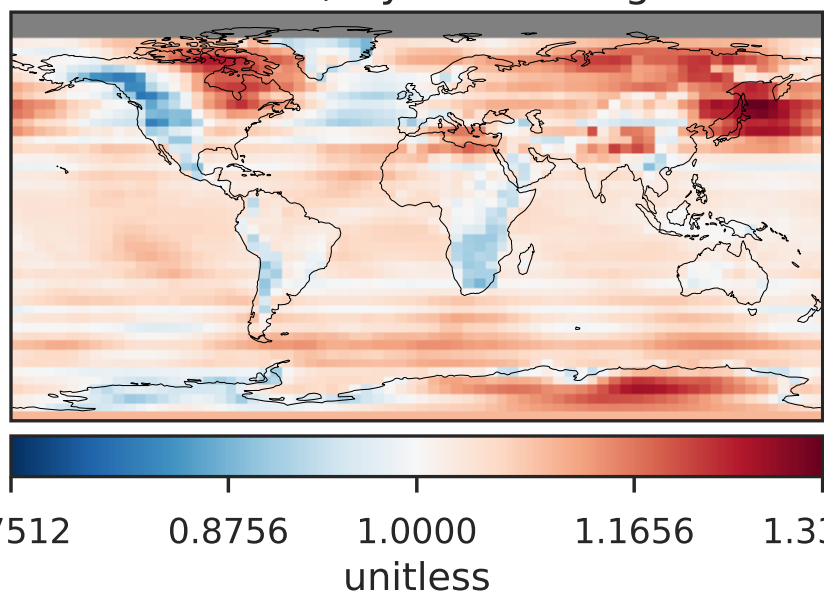
Difference  
Dev - Ref, Dynamic Range



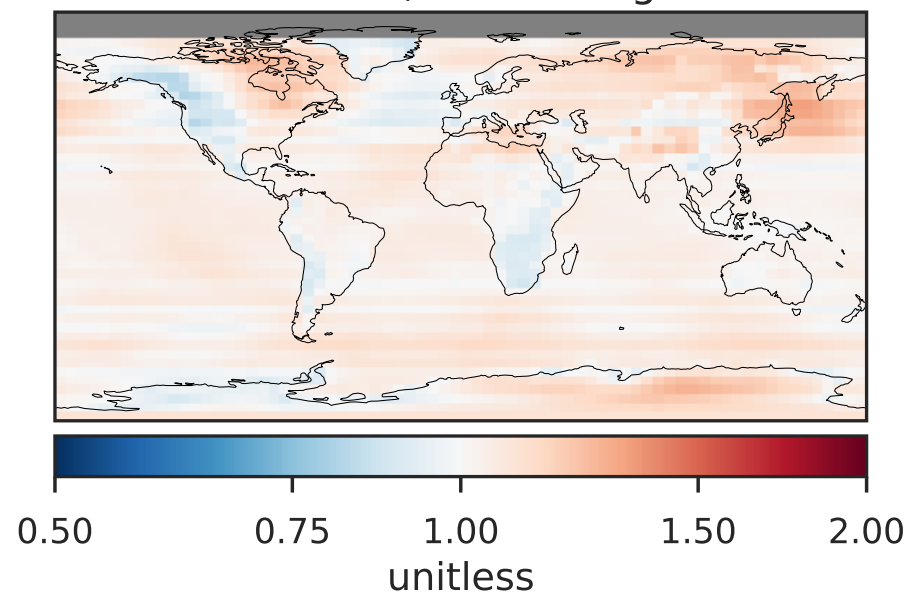
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

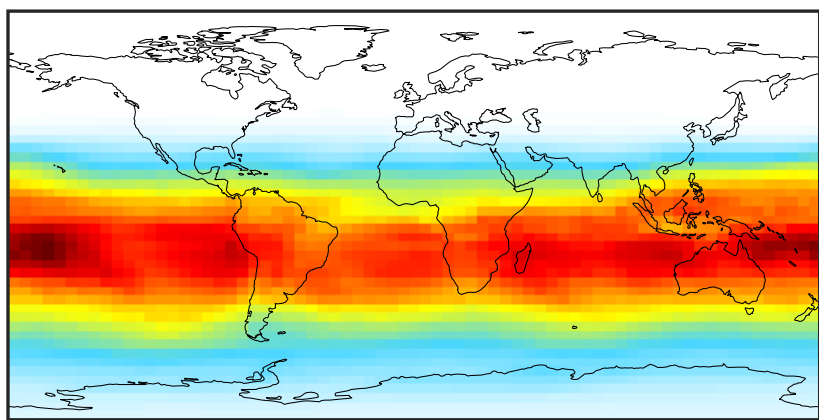


Ratio  
Dev/Ref, Fixed Range



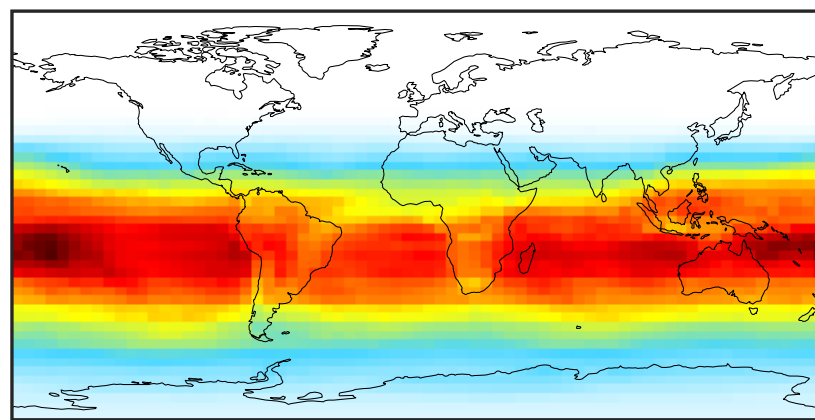
# Jval\_H1301 (Jan2019)

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



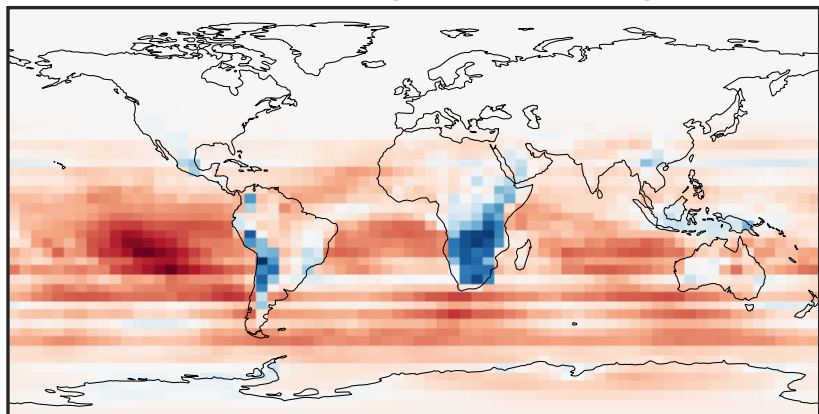
0.0 0.8 1.6 2.4  
s-1  $1e-12$

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



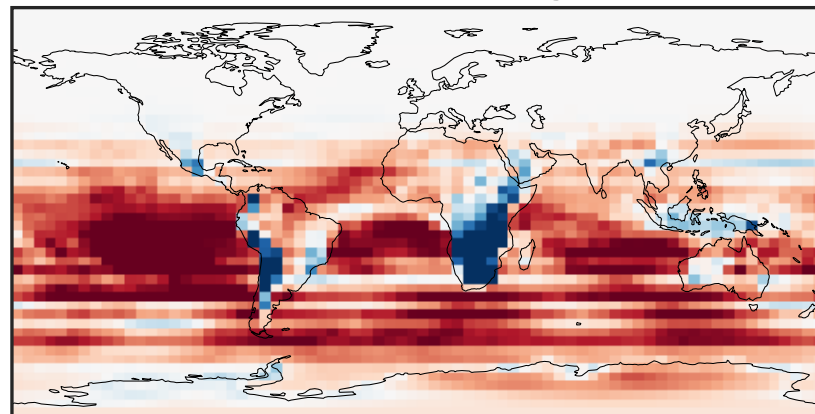
0.0 0.8 1.6 2.4  
s-1  $1e-12$

Difference  
Dev - Ref, Dynamic Range



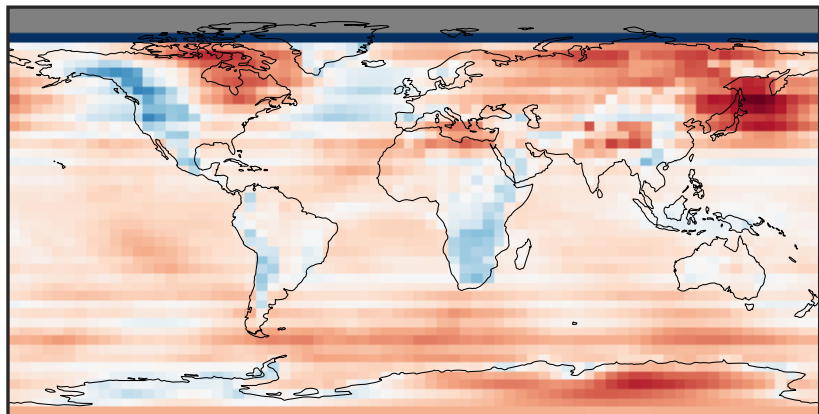
-8 0 8  
s-1  $1e-14$

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



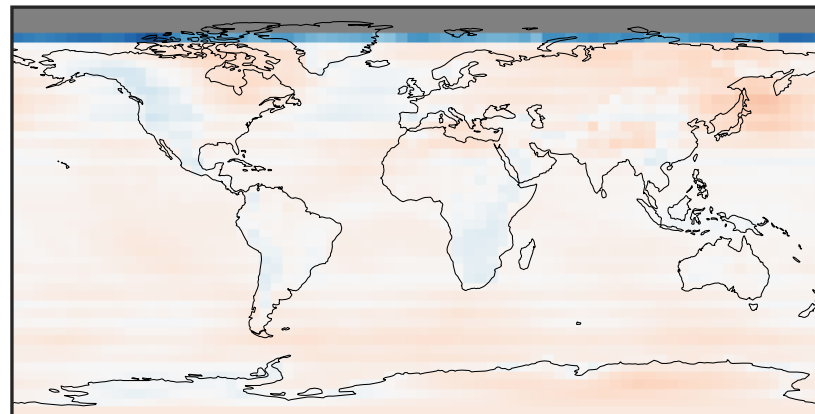
-4 0 4  
s-1  $1e-14$

Ratio  
Dev/Ref, Dynamic Range



0.8204 0.9102 1.0000 1.1094 1.2189  
unitless

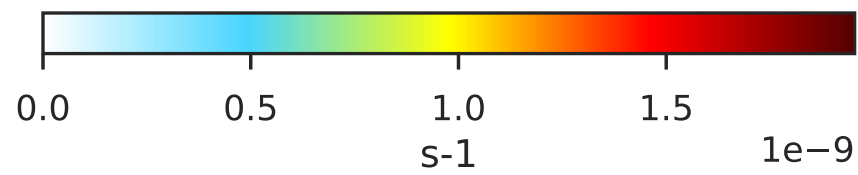
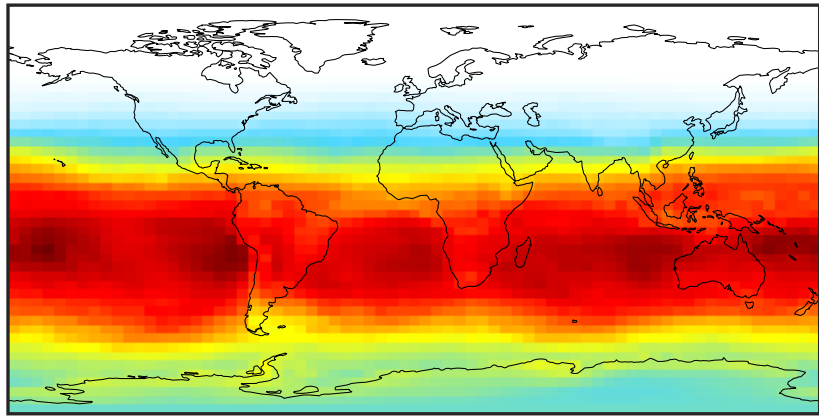
Ratio  
Dev/Ref, Fixed Range



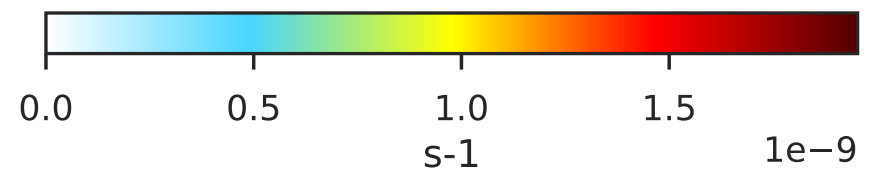
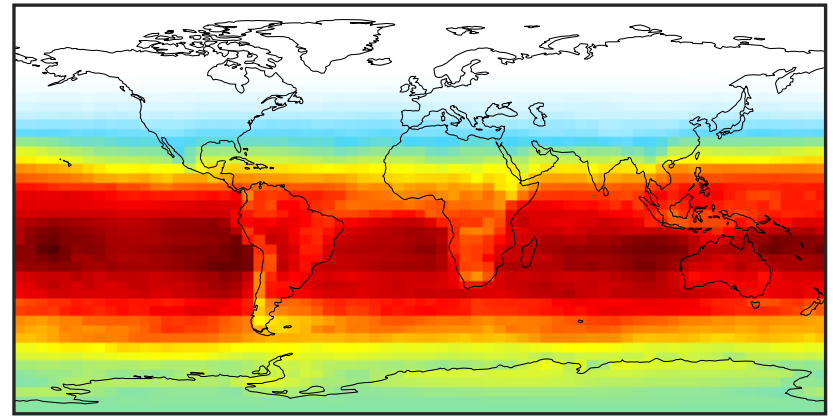
0.50 0.75 1.00 1.50 2.00  
unitless

# Jval\_H2402 (Jan2019)

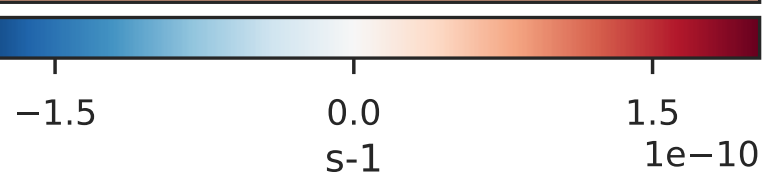
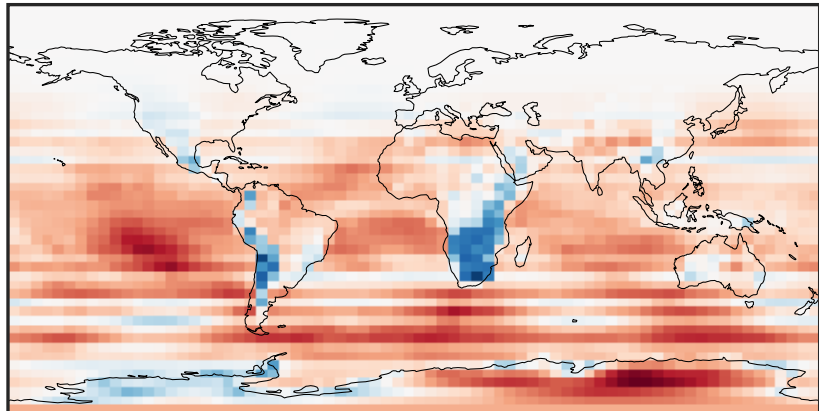
14.2.0-rc.2 (Ref)  
4.0x5.0



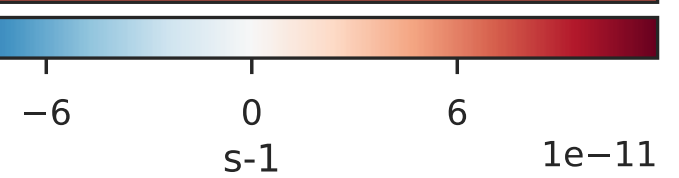
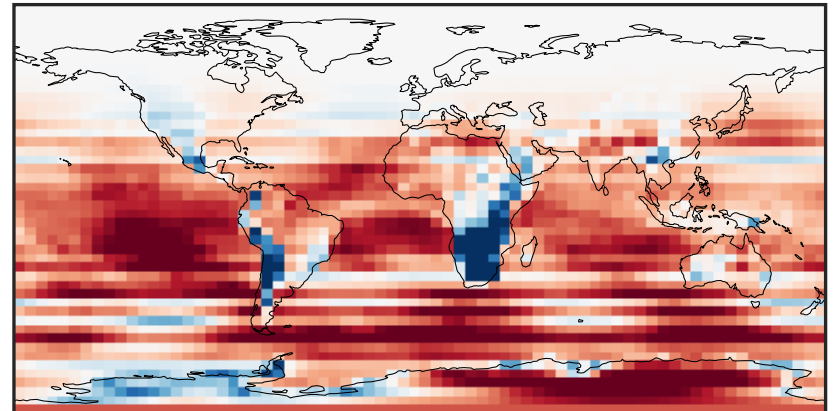
14.3.0-rc.0 (Dev)  
4.0x5.0



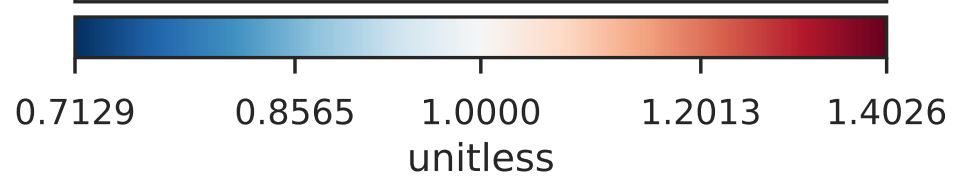
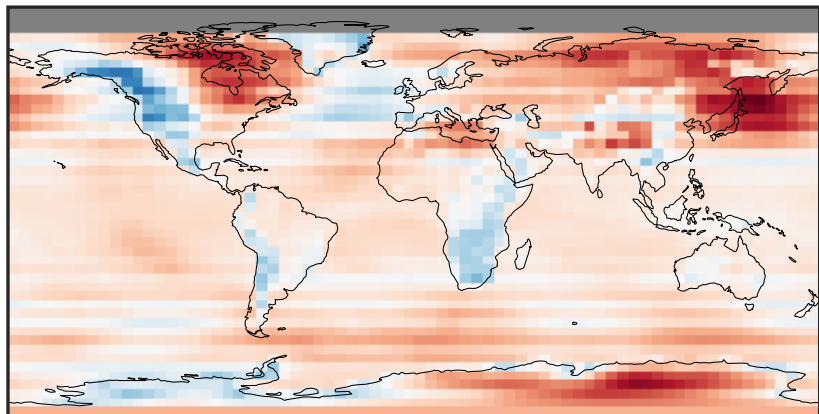
Difference  
Dev - Ref, Dynamic Range



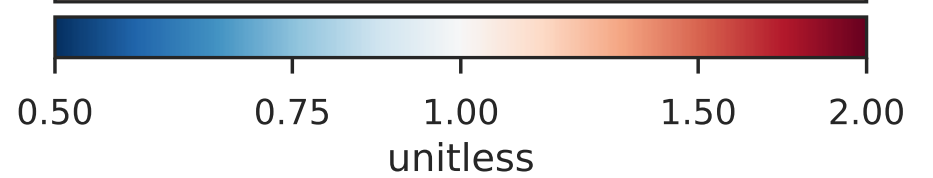
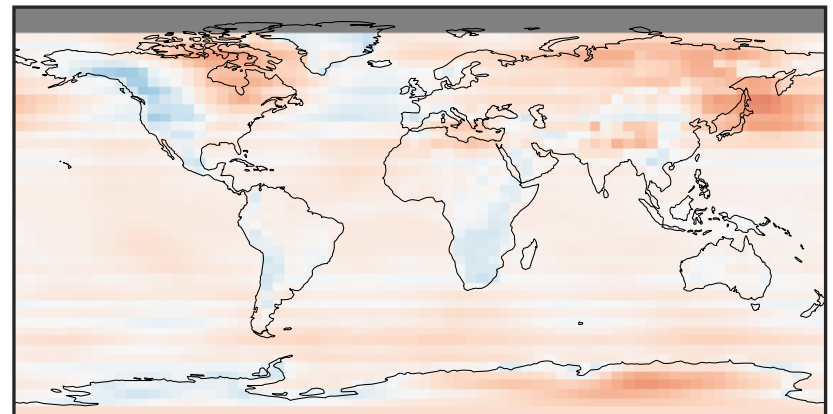
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



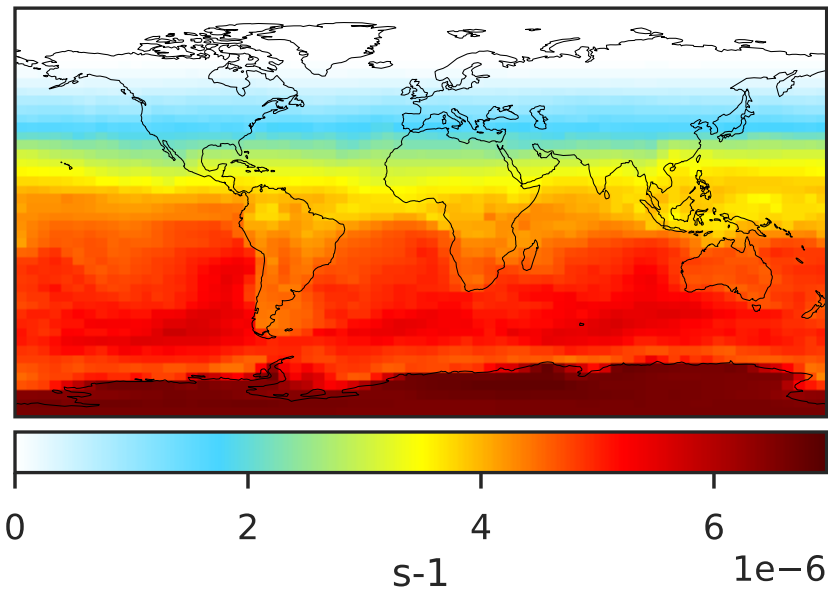
Ratio  
Dev/Ref, Fixed Range



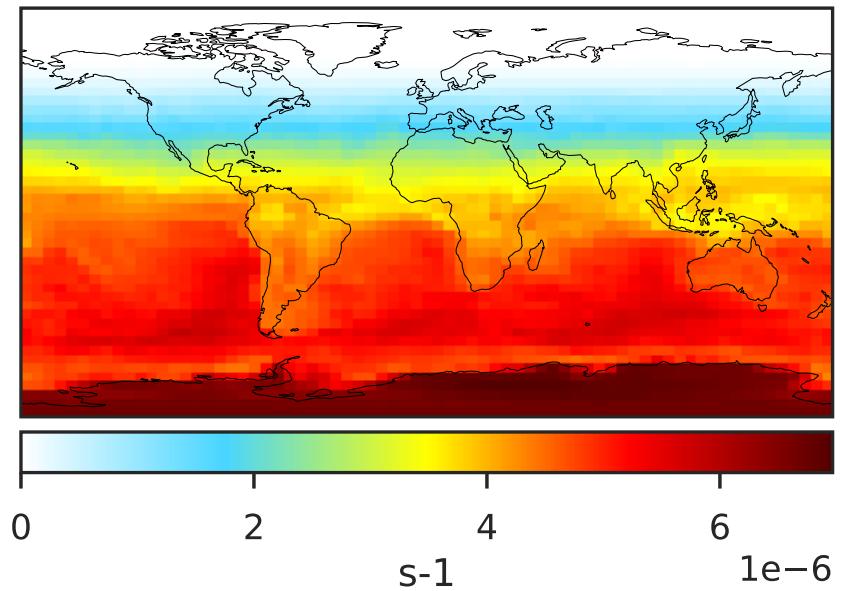


# Jval\_H2O2 (Jan2019)

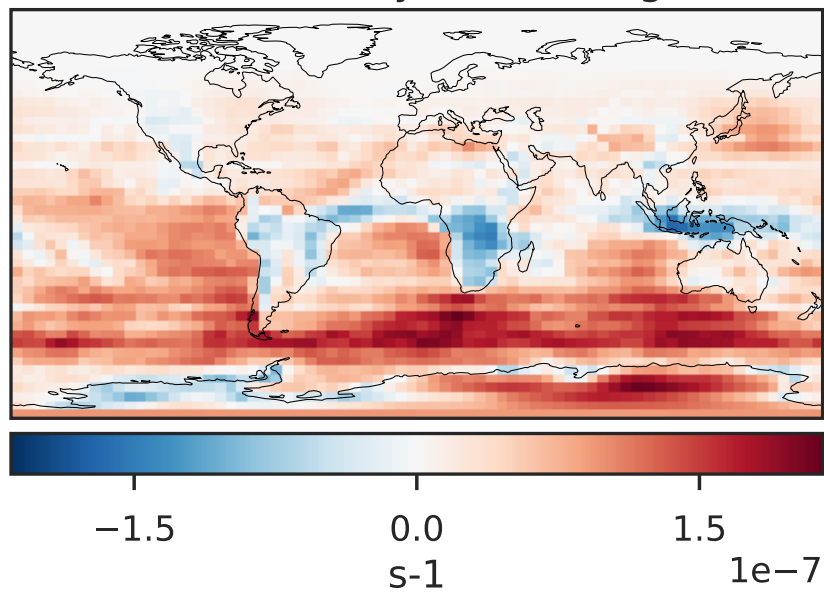
14.2.0-rc.2 (Ref)  
4.0x5.0



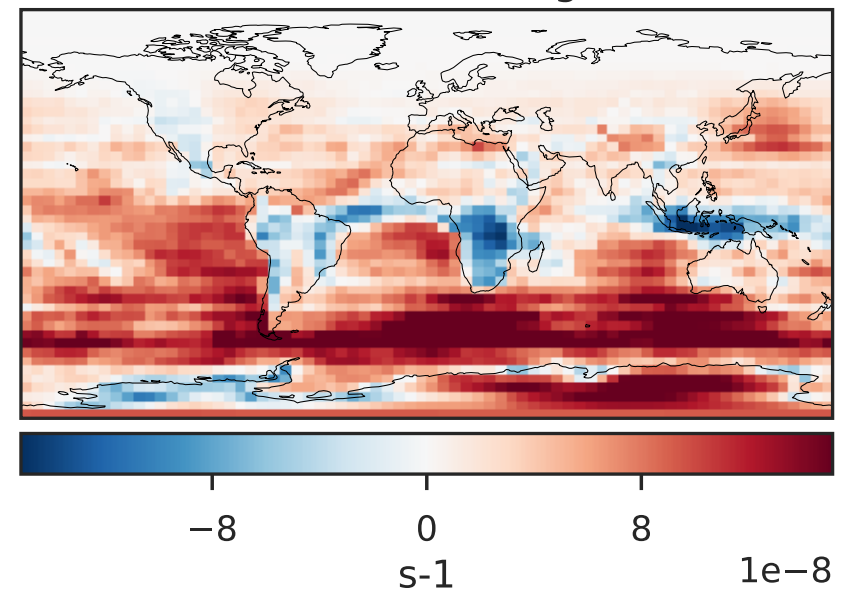
14.3.0-rc.0 (Dev)  
4.0x5.0



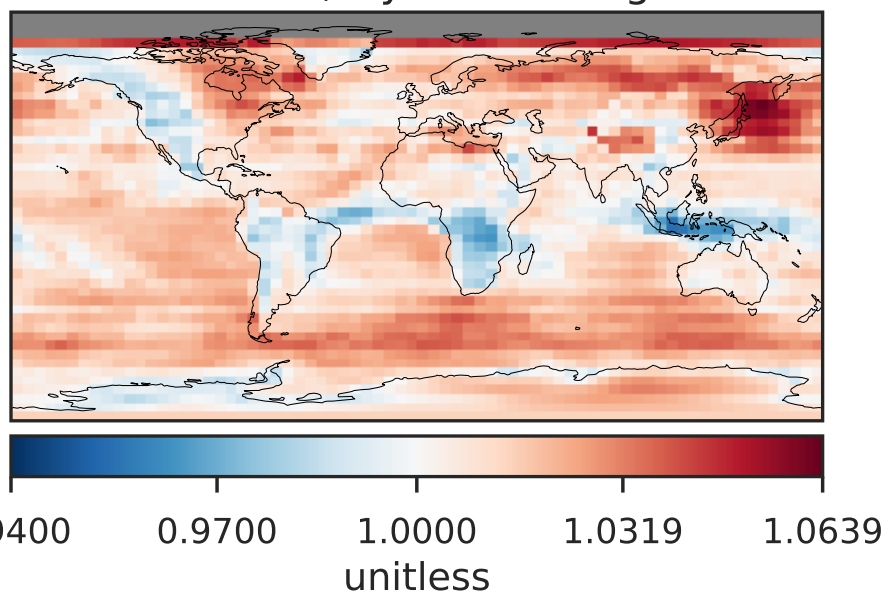
Difference  
Dev - Ref, Dynamic Range



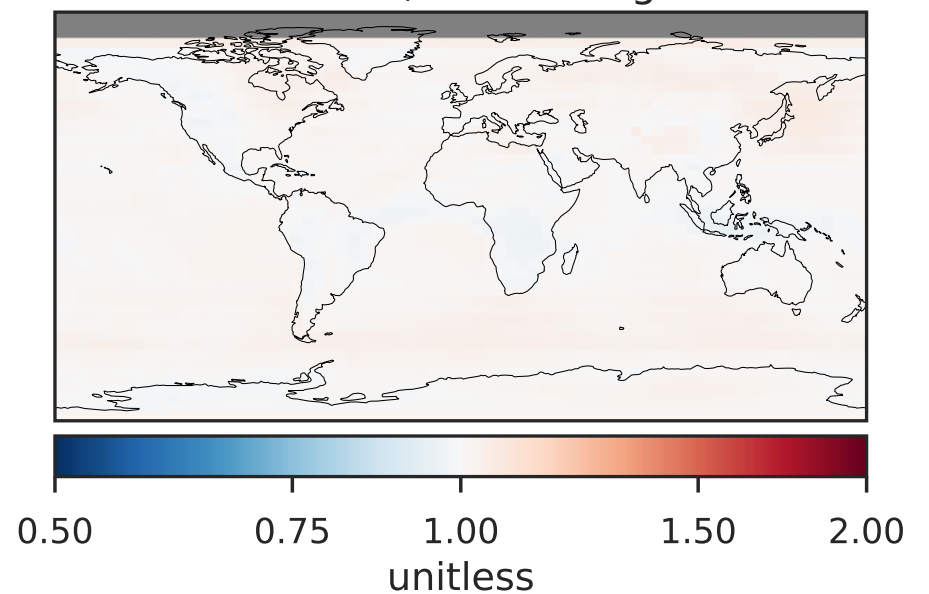
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

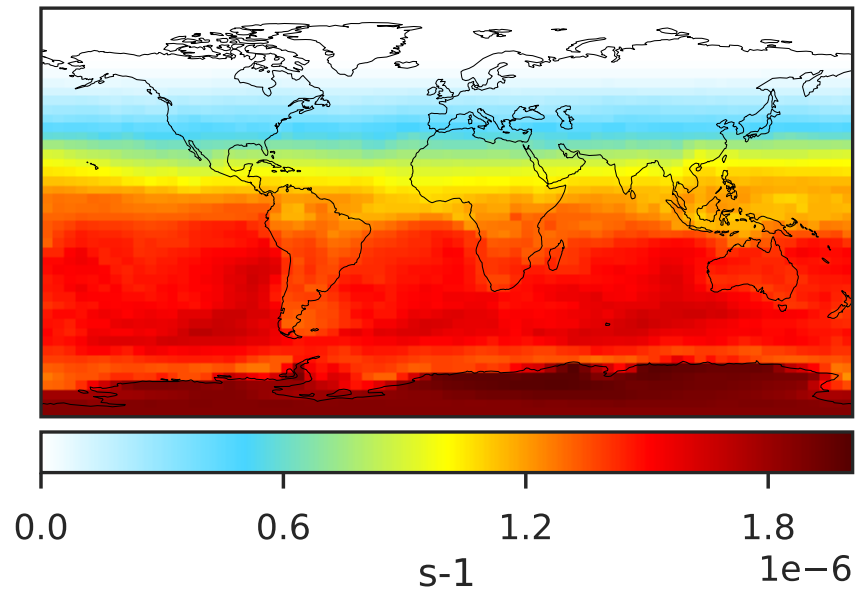


Ratio  
Dev/Ref, Fixed Range

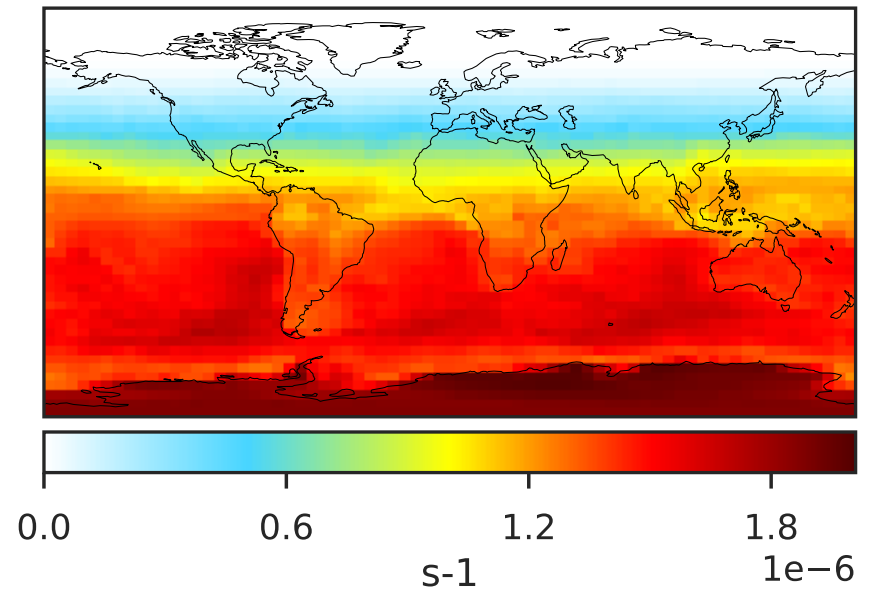


# Jval\_HAC (Jan2019)

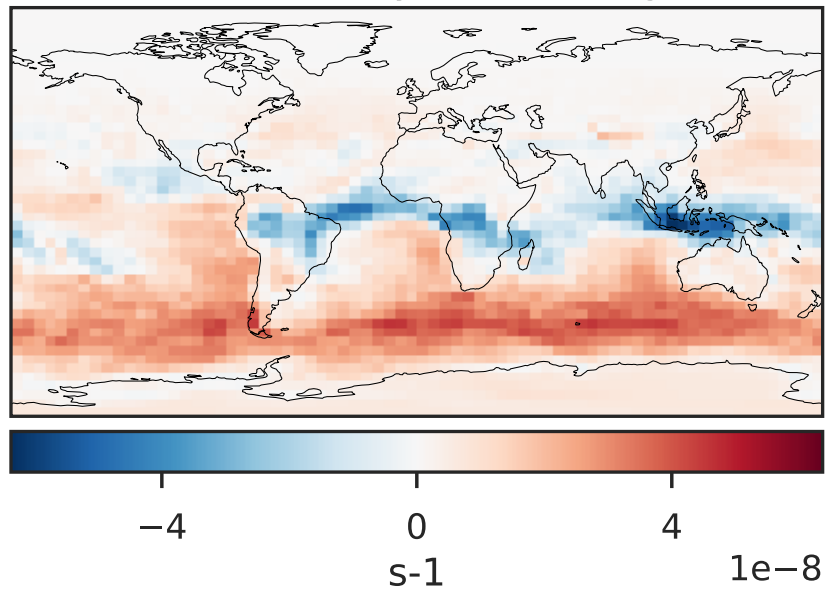
14.2.0-rc.2 (Ref)  
4.0x5.0



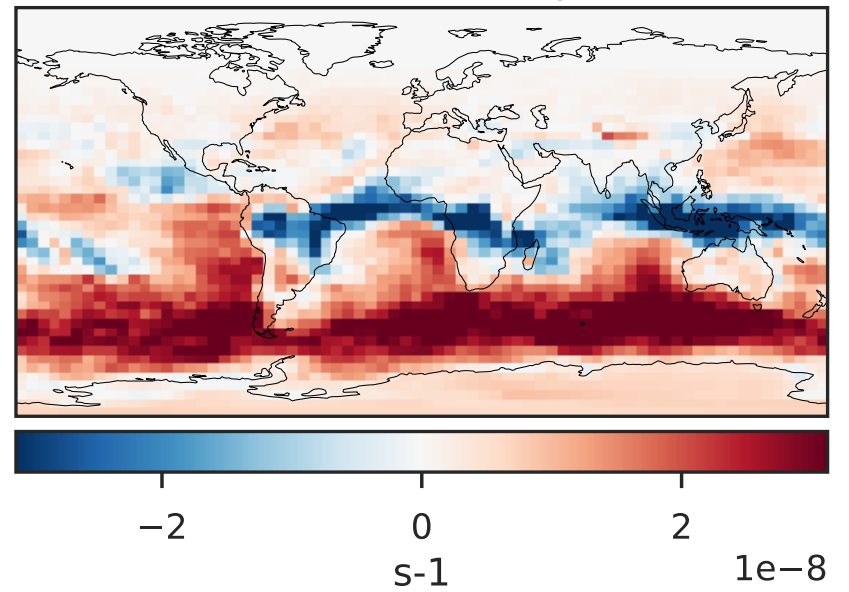
14.3.0-rc.0 (Dev)  
4.0x5.0



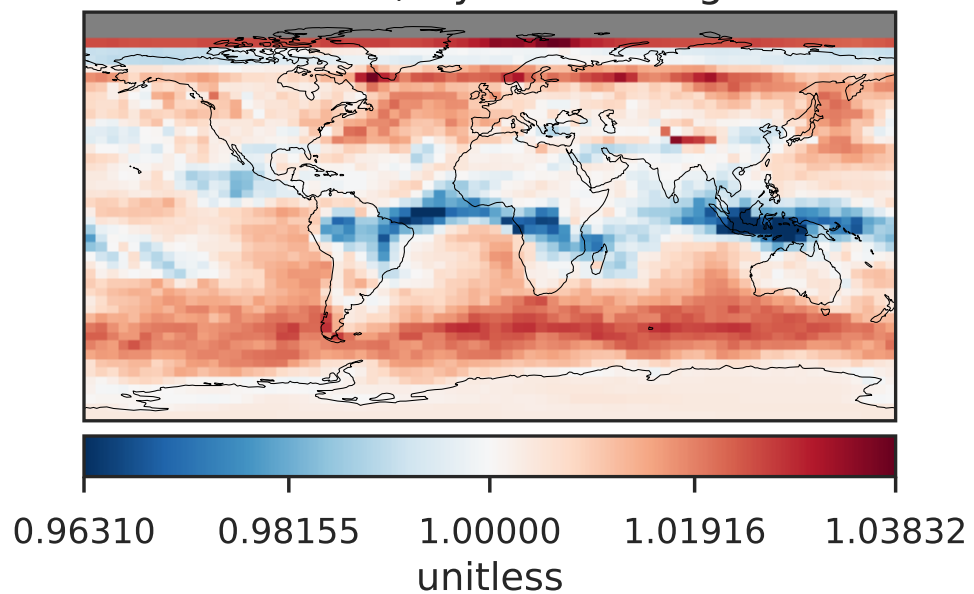
Difference  
Dev - Ref, Dynamic Range



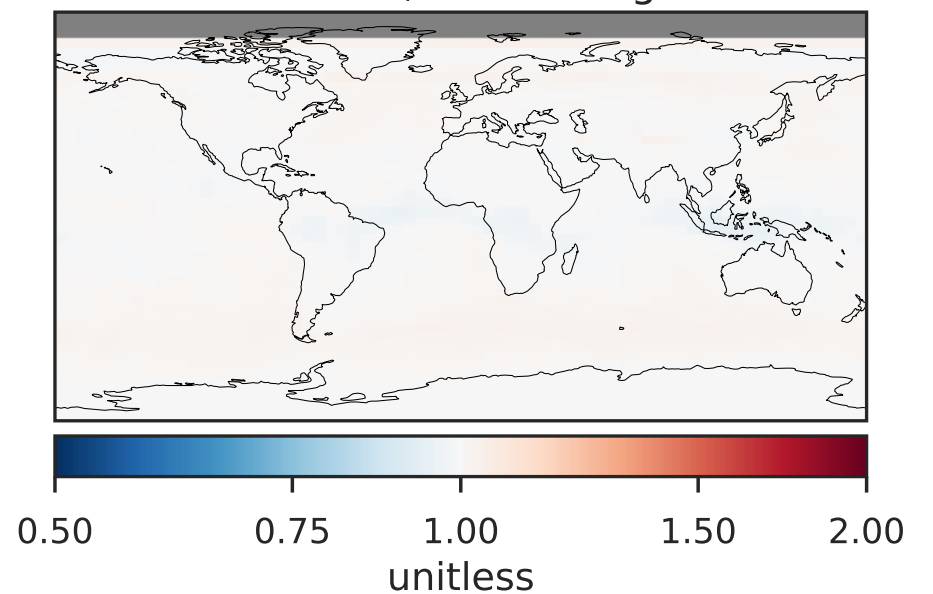
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

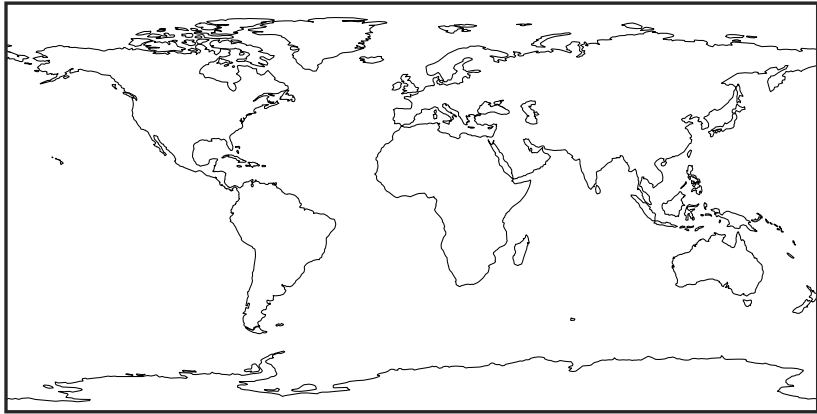


Ratio  
Dev/Ref, Fixed Range



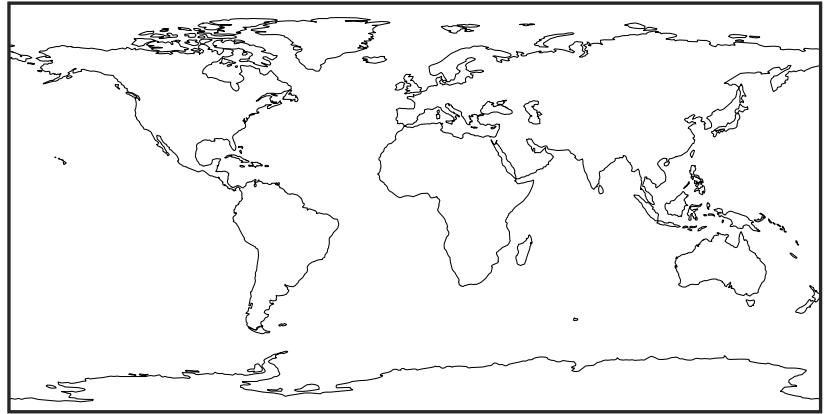
# Jval\_HC5A (Jan2019)

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



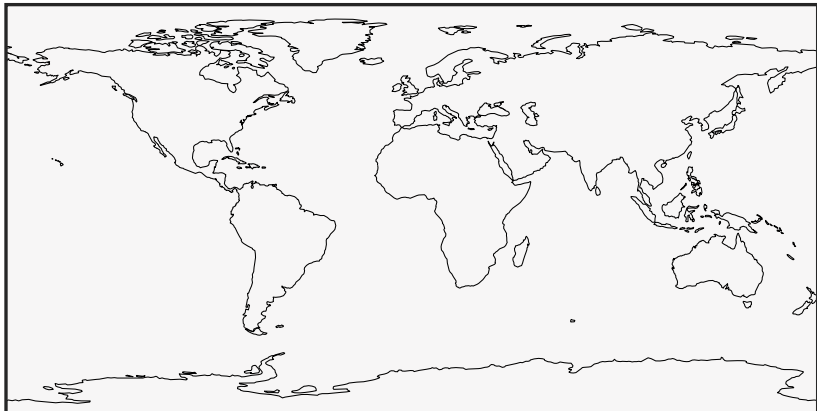
Zero throughput domain  
s-1

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



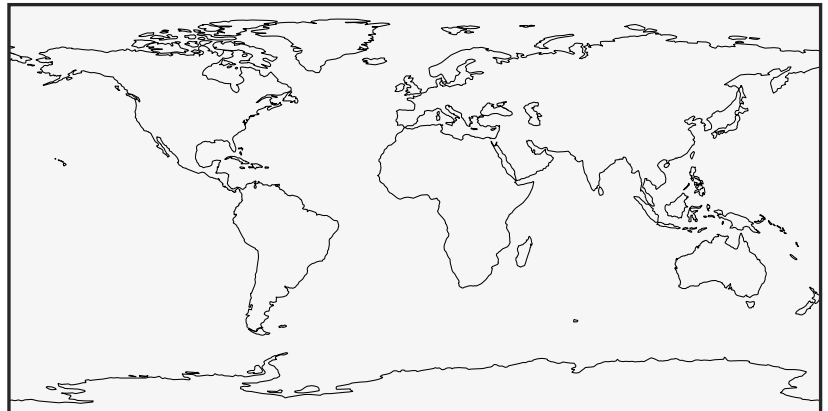
Zero throughput domain  
s-1

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

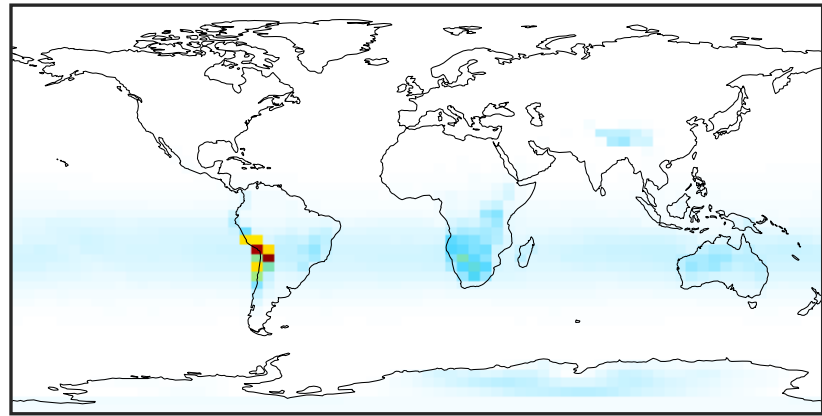
Ratio  
Dev/Ref, Fixed Range



Undefined throughput domain  
unitless

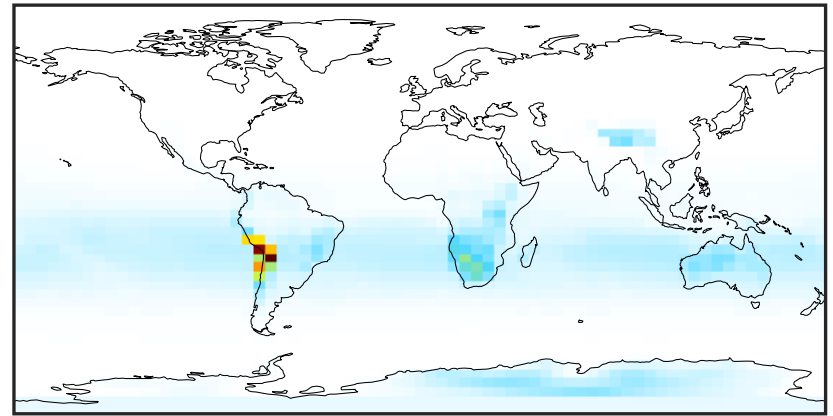
# Jval\_HCFC123 (Jan2019)

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



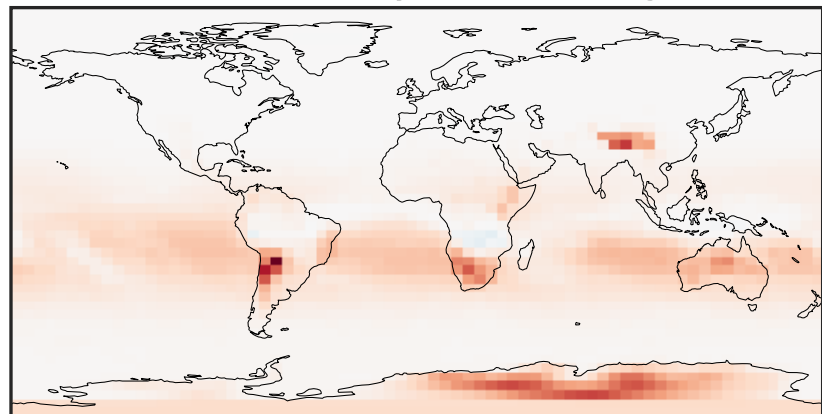
0.0 1.5 3.0  $1e-16$   
s-1

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



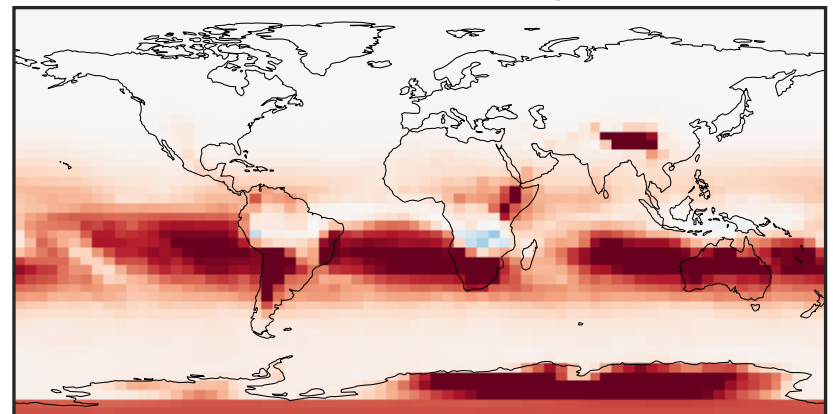
0.0 1.5 3.0  $1e-16$   
s-1

Difference  
Dev - Ref, Dynamic Range



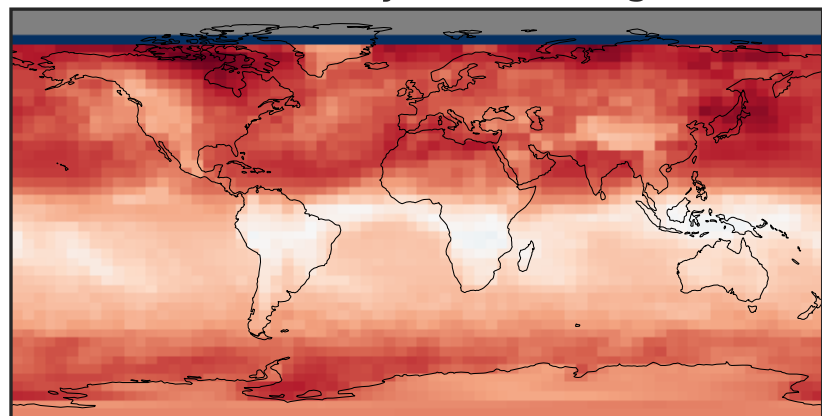
-2 0 2  $1e-17$   
s-1

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



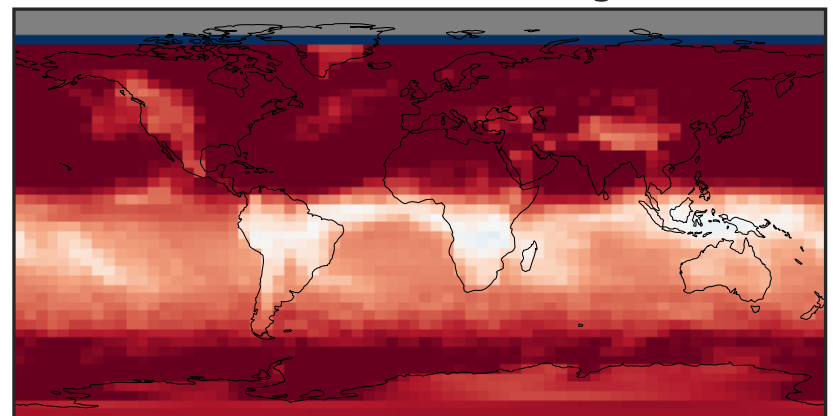
-6 0 6  $1e-18$   
s-1

Ratio  
Dev/Ref, Dynamic Range



0.305 0.652 1.000 2.141 3.281  
unitless

Ratio  
Dev/Ref, Fixed Range

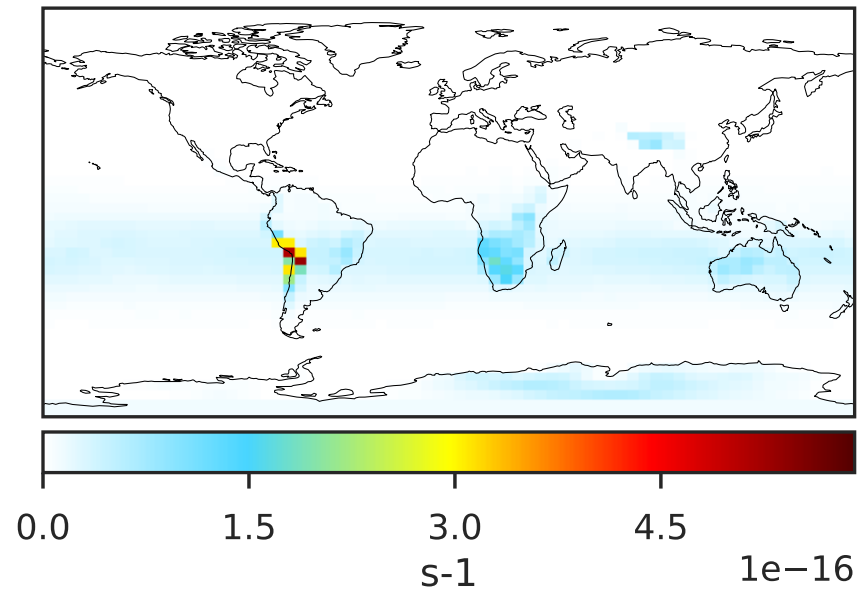


0.50 0.75 1.00 1.50 2.00  
unitless

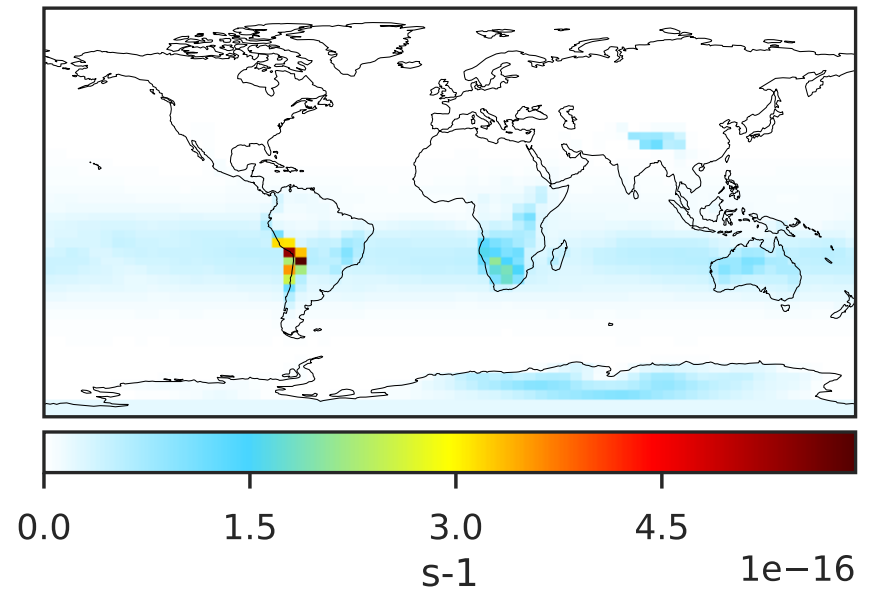


# Jval\_HCFC141b (Jan2019)

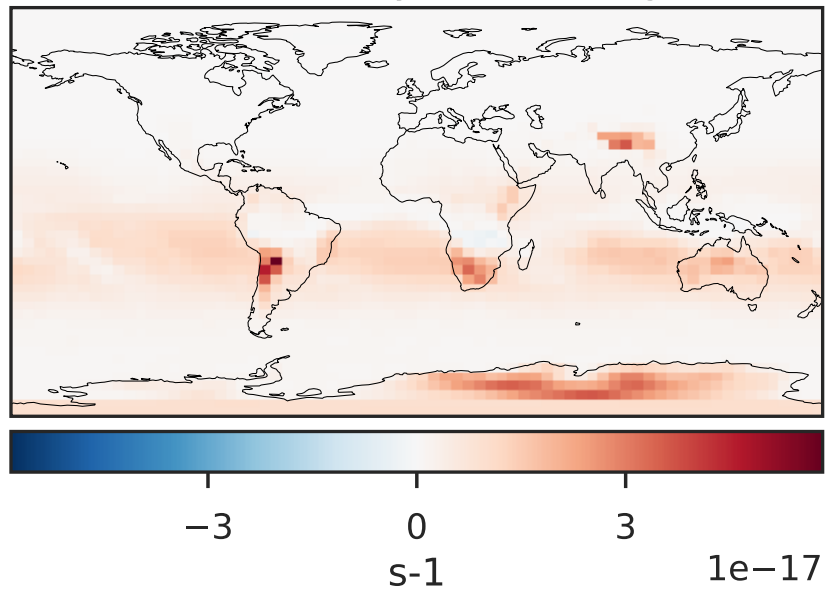
14.2.0-rc.2 (Ref)  
4.0x5.0



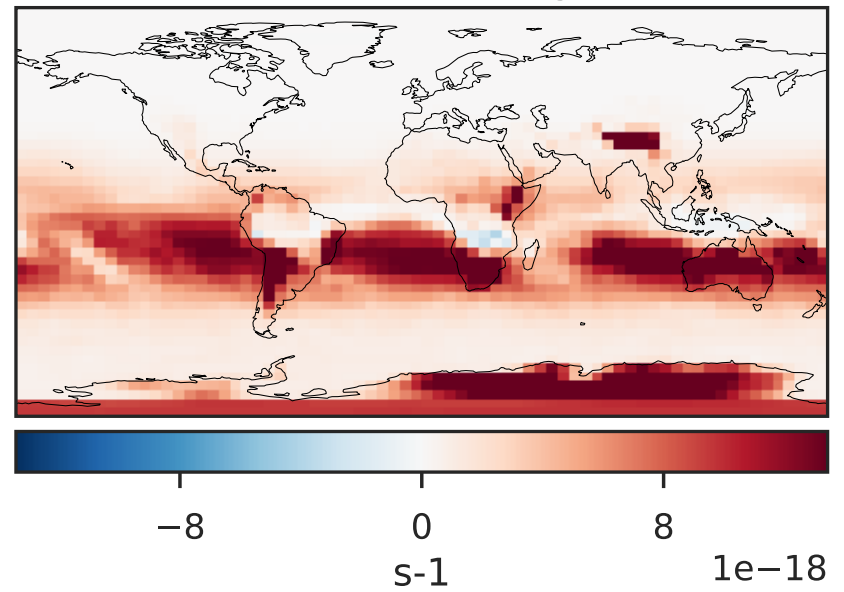
14.3.0-rc.0 (Dev)  
4.0x5.0



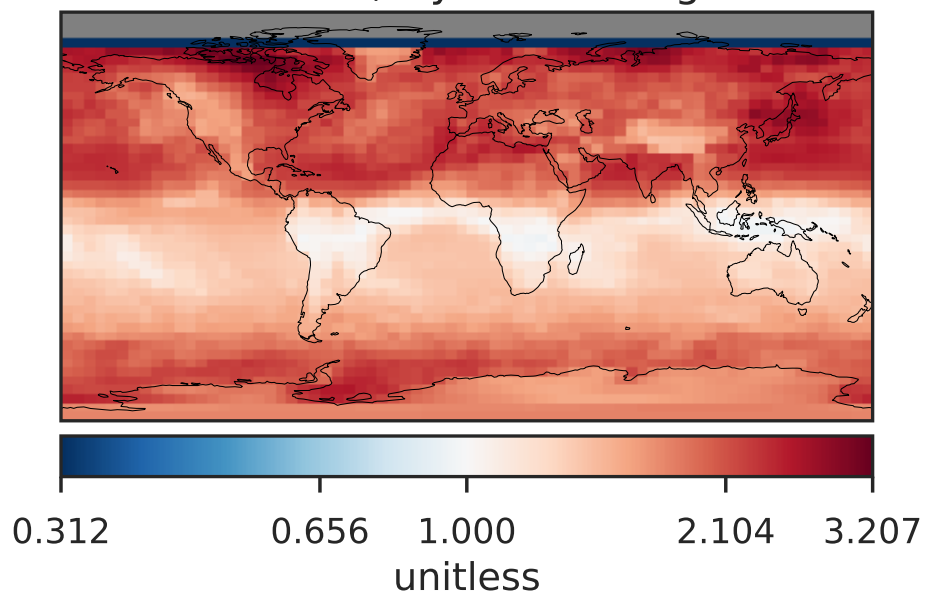
Difference  
Dev - Ref, Dynamic Range



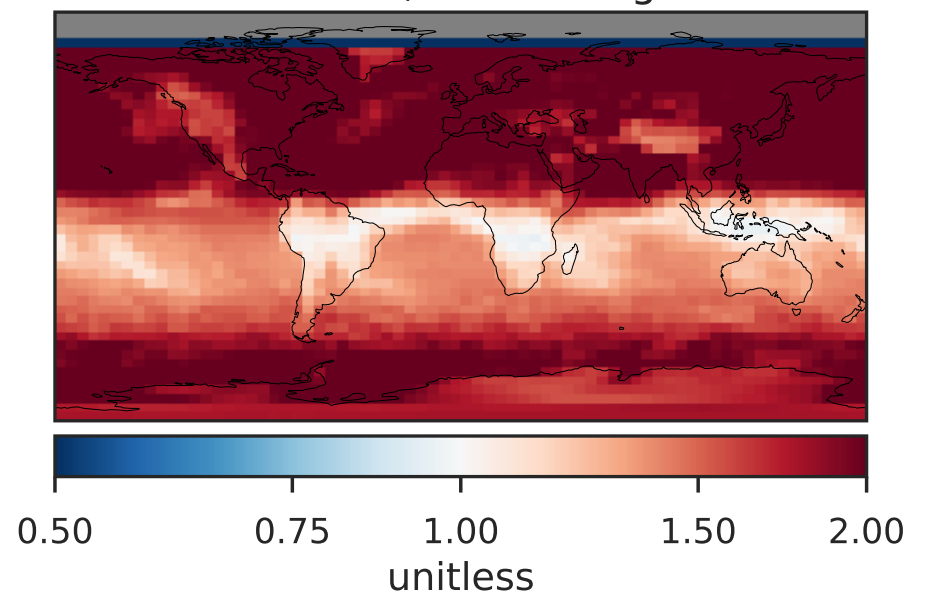
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

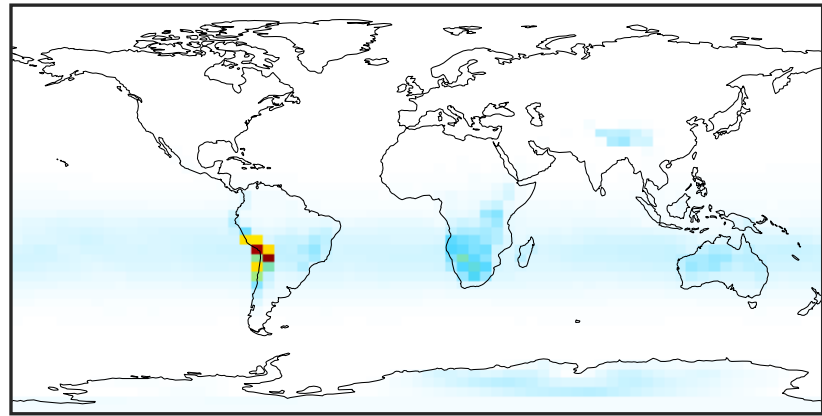


Ratio  
Dev/Ref, Fixed Range



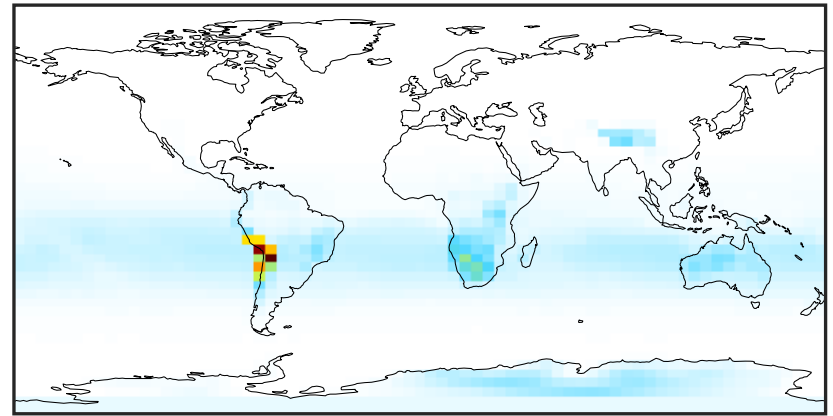
# Jval\_HCFC142b (Jan2019)

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



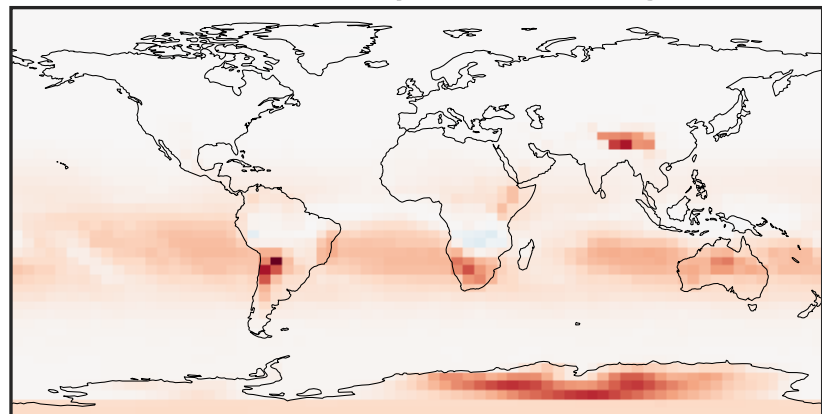
0.0 1.5 3.0  $10^{-18}$   
s-1

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



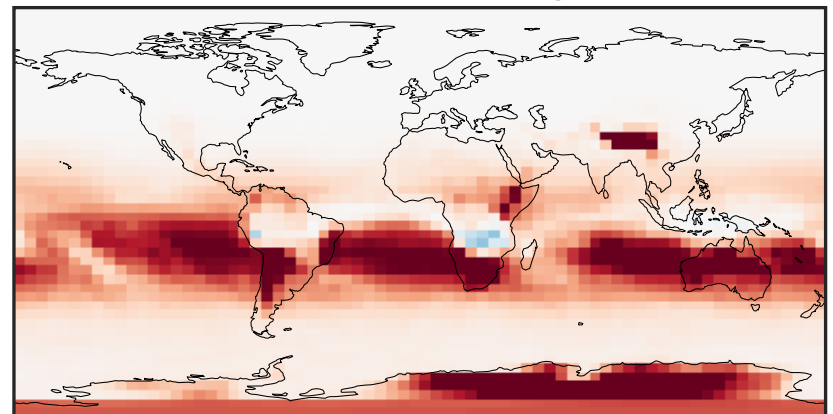
0.0 1.5 3.0  $10^{-18}$   
s-1

Difference  
Dev - Ref, Dynamic Range



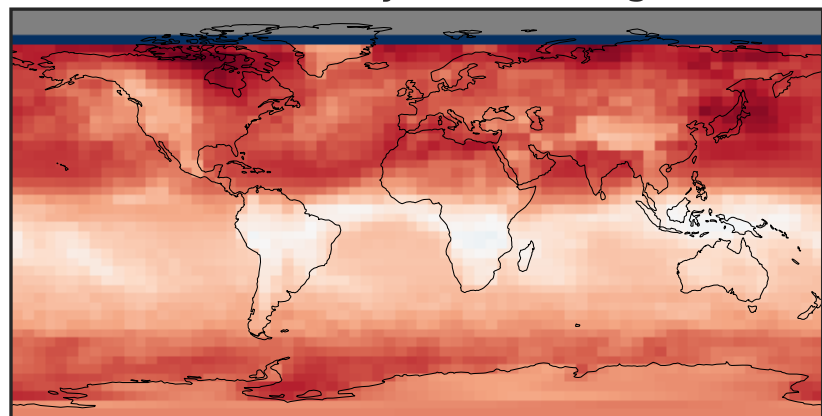
-2 0 2  $10^{-19}$   
s-1

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



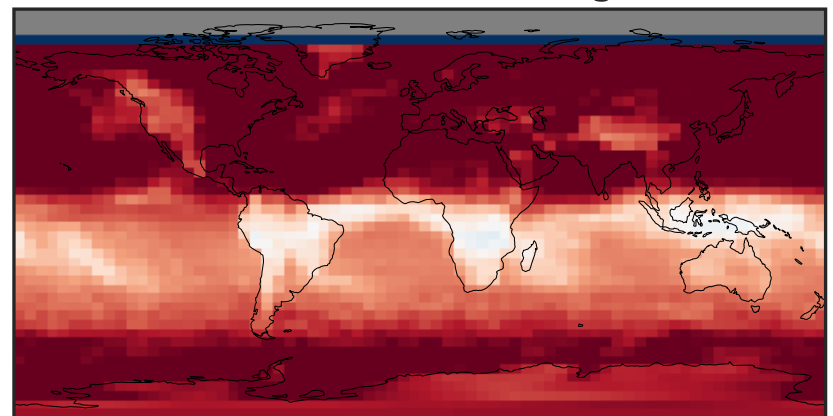
-6 0 6  $10^{-20}$   
s-1

Ratio  
Dev/Ref, Dynamic Range



0.296 0.648 1.000 2.191 3.382  
unitless

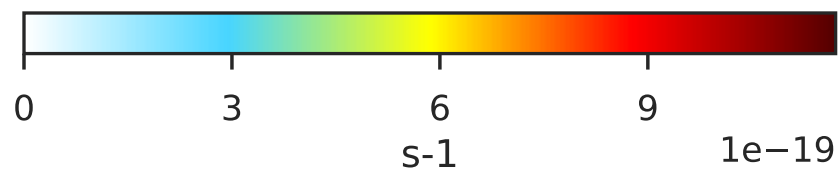
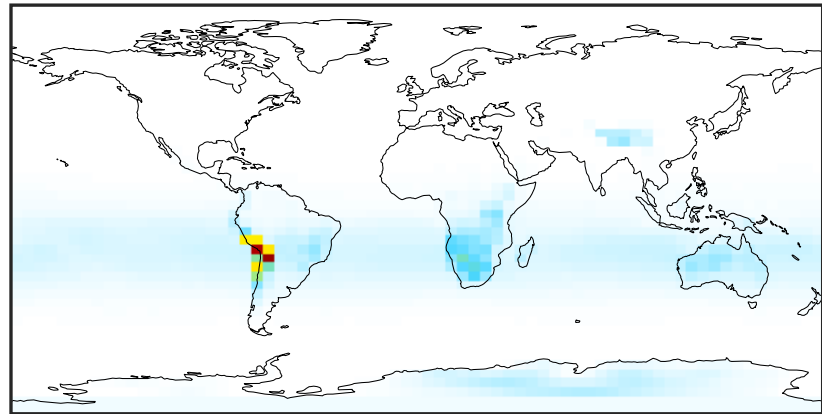
Ratio  
Dev/Ref, Fixed Range



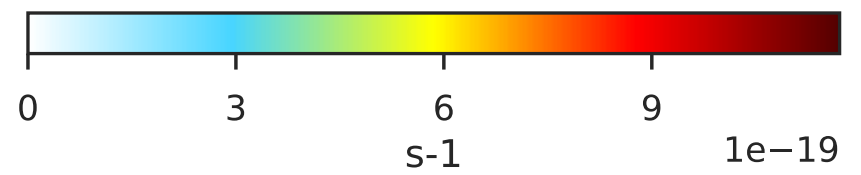
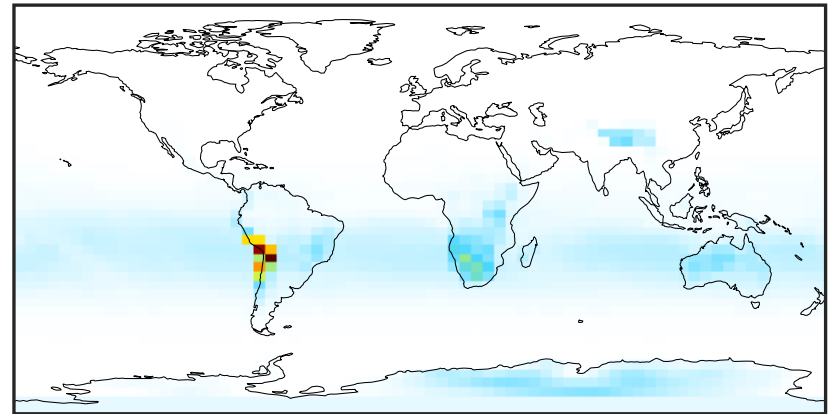
0.50 0.75 1.00 1.50 2.00  
unitless

# Jval\_HCFC22 (Jan2019)

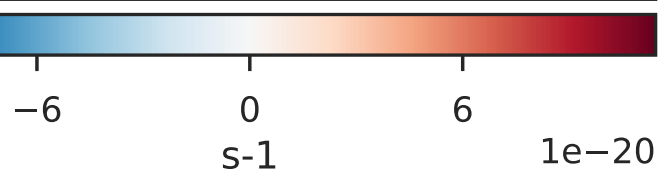
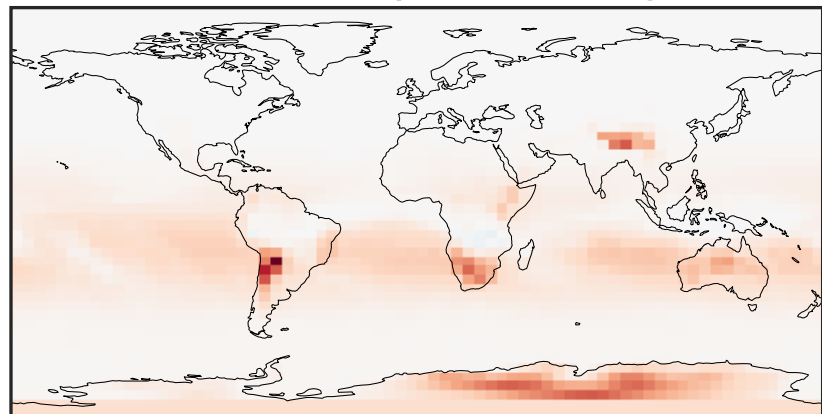
14.2.0-rc.2 (Ref)  
4.0x5.0



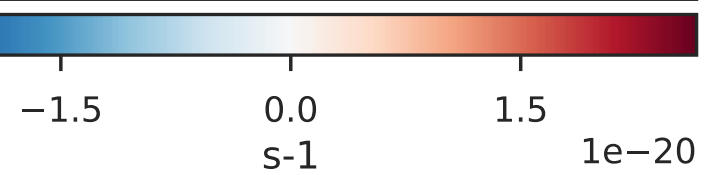
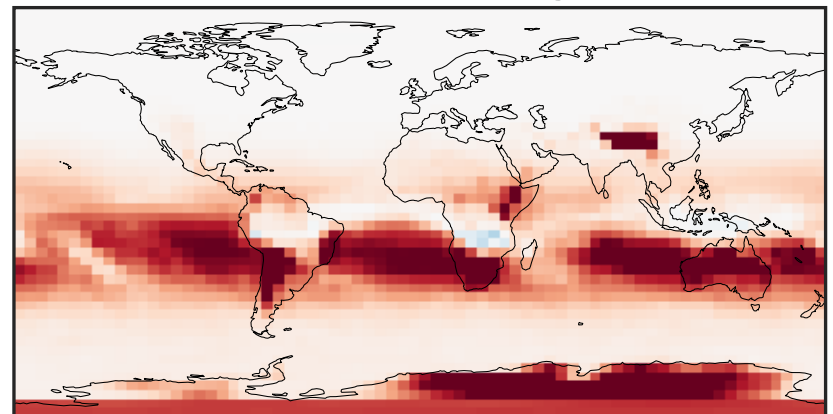
14.3.0-rc.0 (Dev)  
4.0x5.0



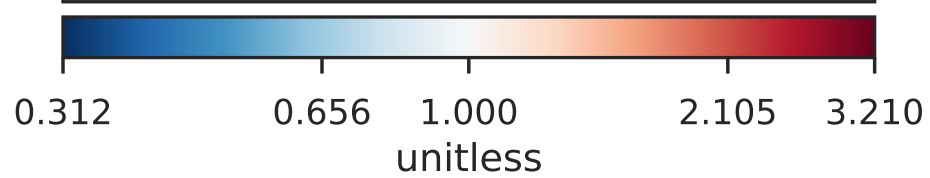
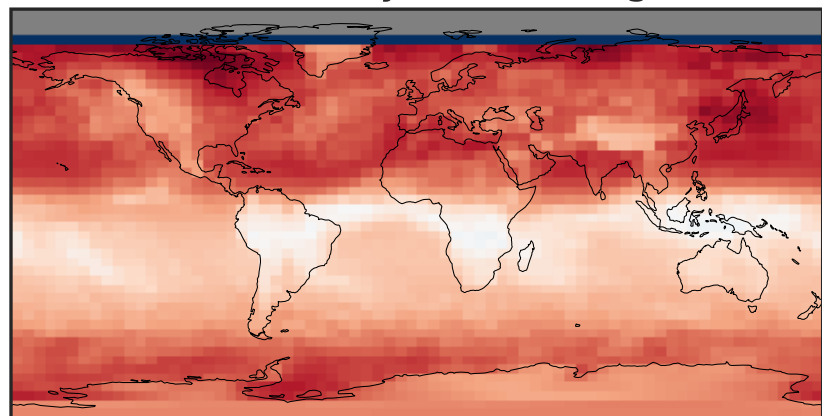
Difference  
Dev - Ref, Dynamic Range



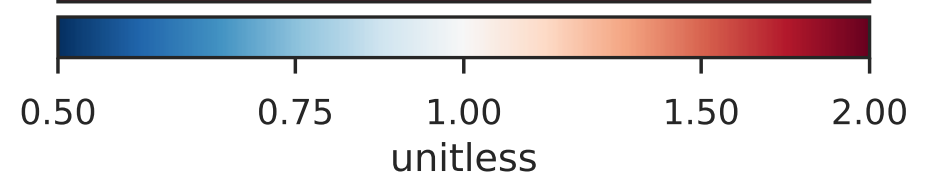
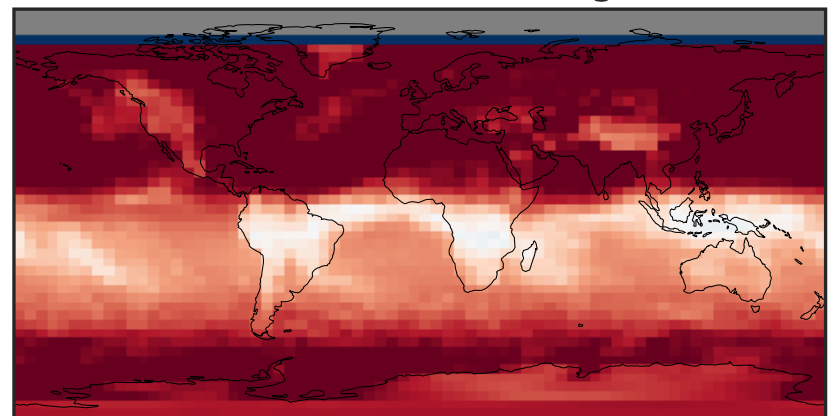
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

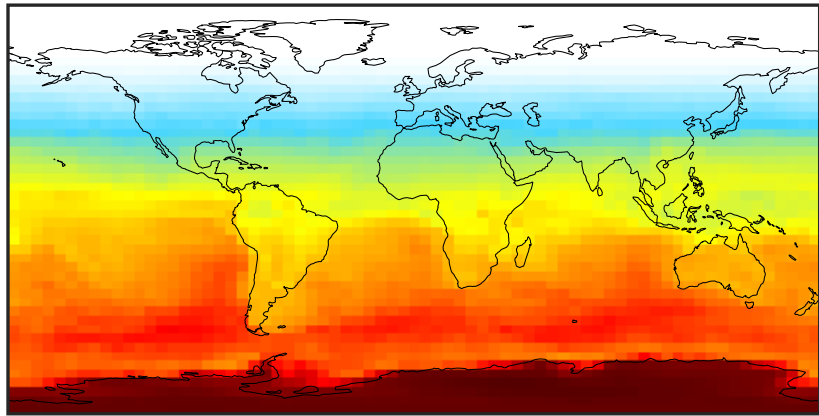


Ratio  
Dev/Ref, Fixed Range



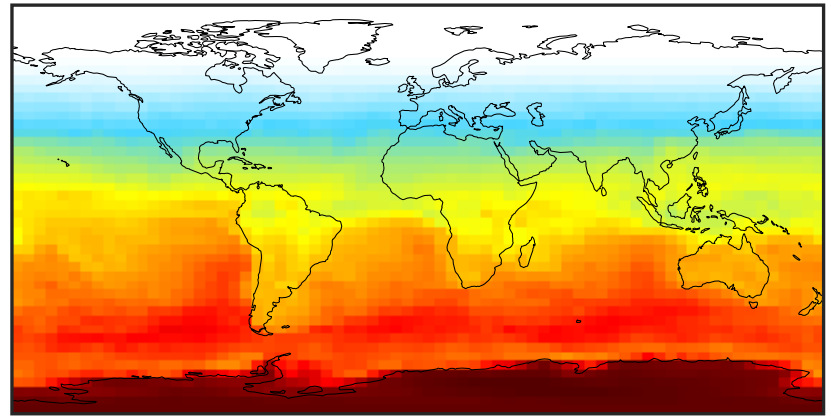
# Jval\_HMHP (Jan2019)

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



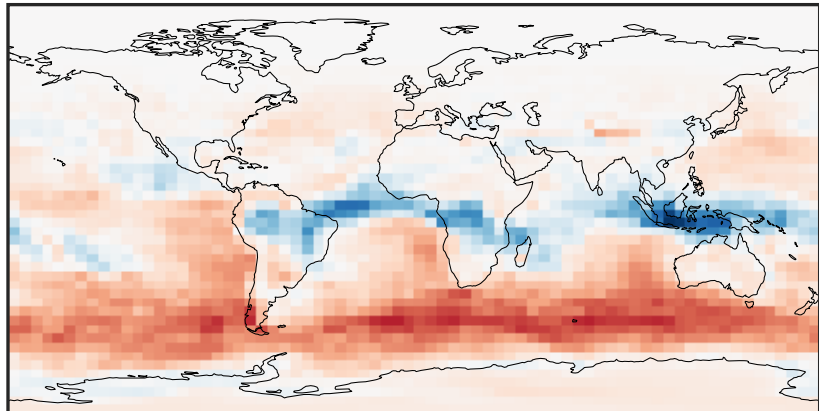
0.0 1.5 3.0 4.5  
s-1  $1e-6$

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



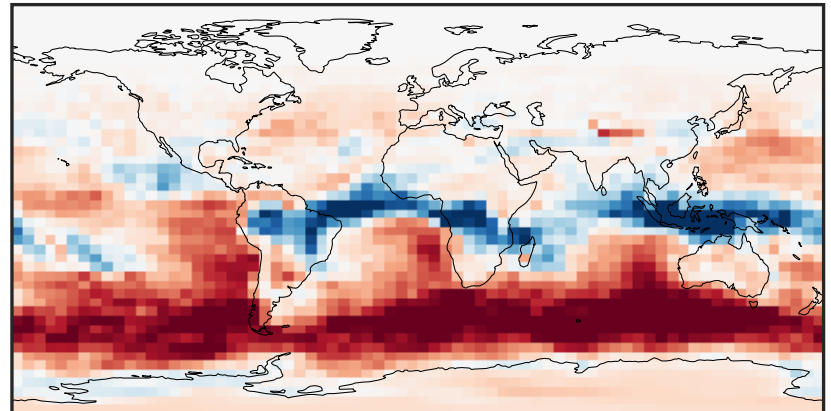
0.0 1.5 3.0 4.5  
s-1  $1e-6$

Difference  
Dev - Ref, Dynamic Range



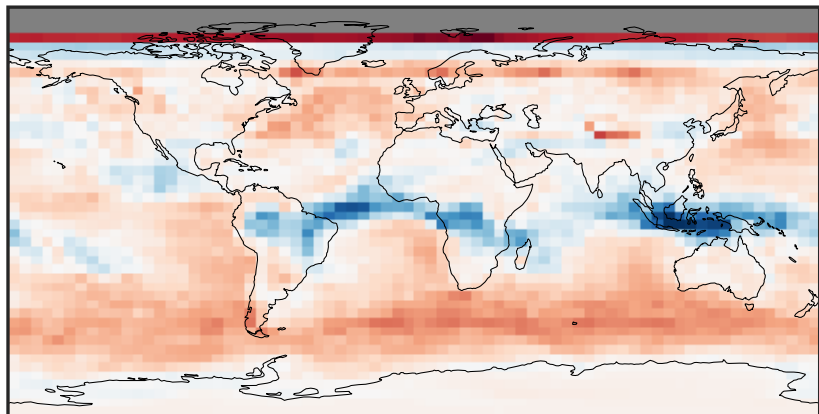
-6 0 6  
s-1  $1e-8$

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



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

Ratio  
Dev/Ref, Dynamic Range



0.95142 0.97571 1.00000 1.02553 1.05106  
unitless

Ratio  
Dev/Ref, Fixed Range

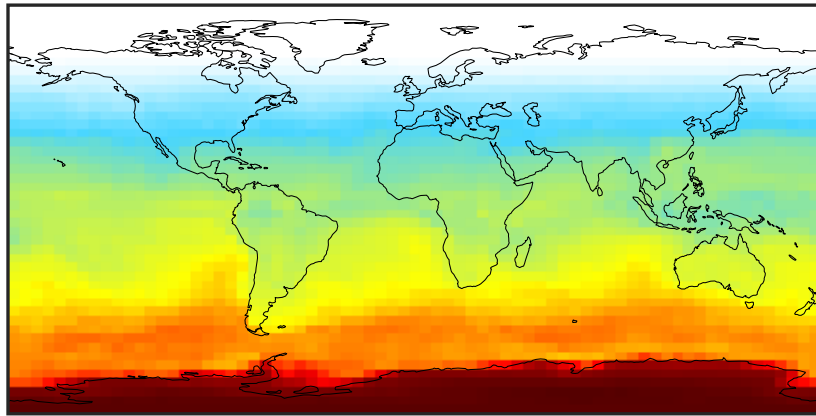


0.50 0.75 1.00 1.50 2.00  
unitless



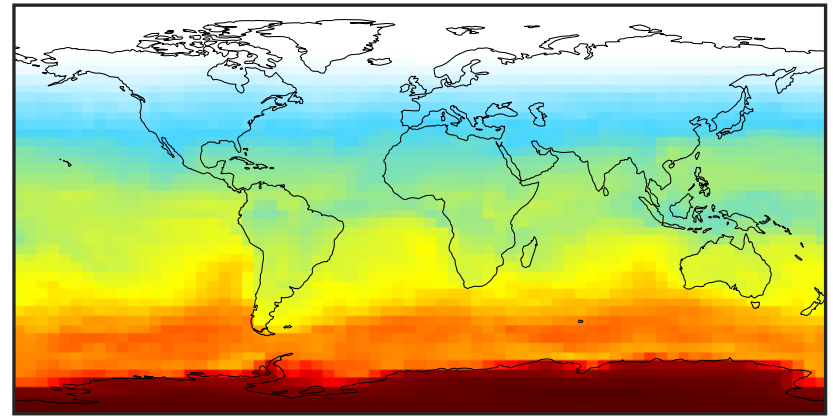
# Jval\_HNO2 (Jan2019)

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



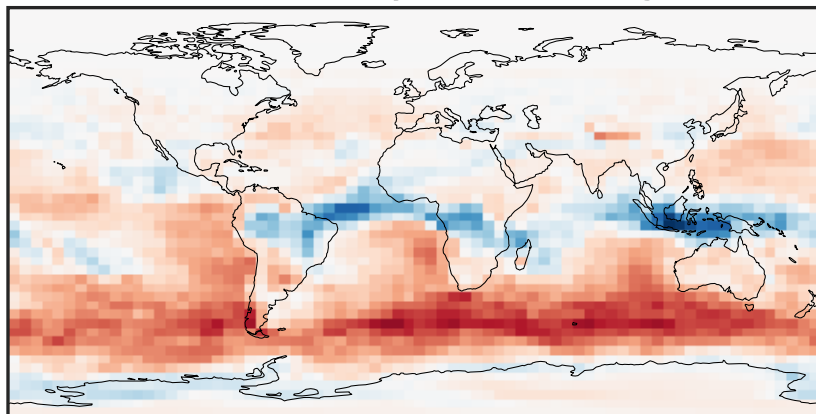
0.0000 0.0006 0.0012 0.0018  
s-1

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



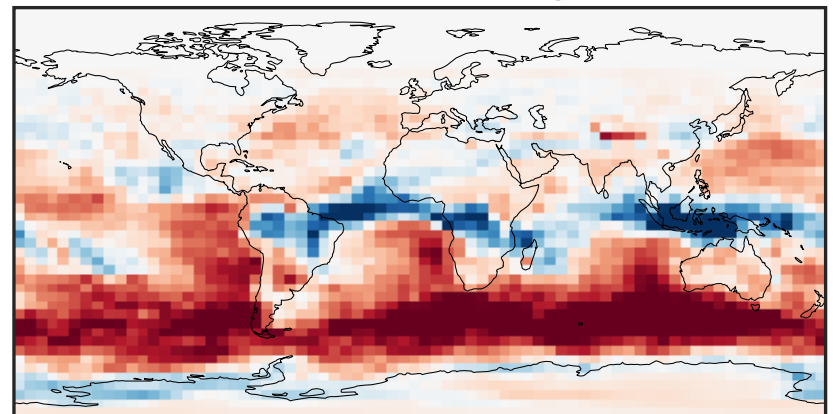
0.0000 0.0006 0.0012 0.0018  
s-1

Difference  
Dev - Ref, Dynamic Range



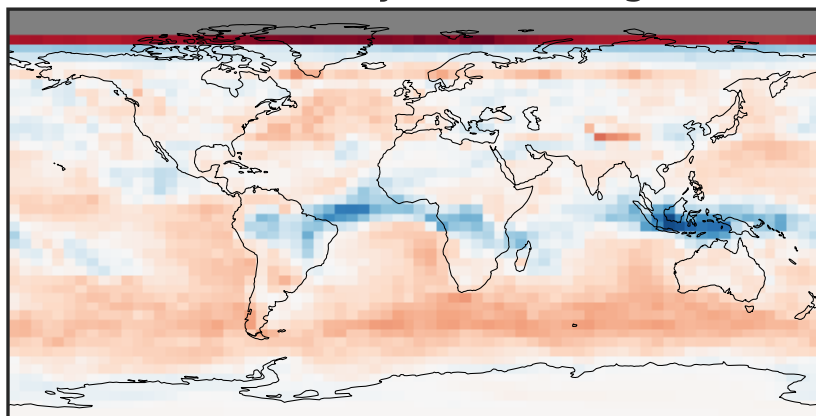
-2.5 0.0 2.5  
s-1 1e-5

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



-1.5 0.0 1.5  
s-1 1e-5

Ratio  
Dev/Ref, Dynamic Range



0.9398 0.9699 1.0000 1.0320 1.0641  
unitless

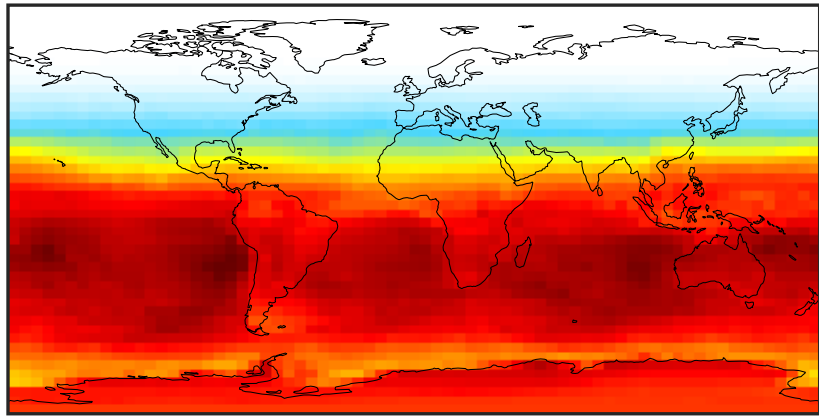
Ratio  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

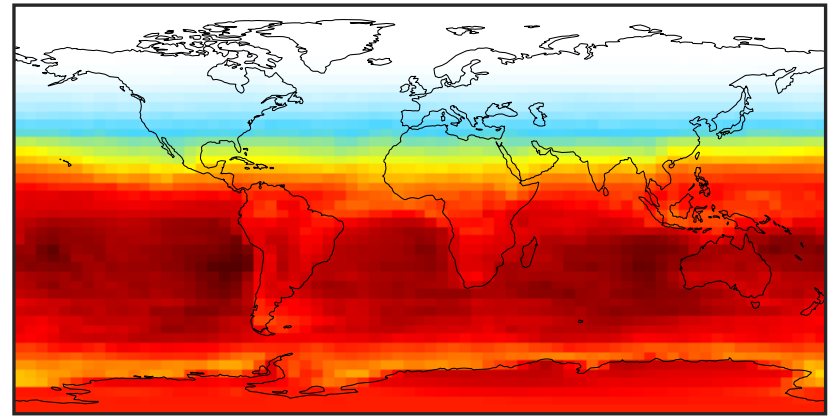
# Jval\_HNO3 (Jan2019)

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



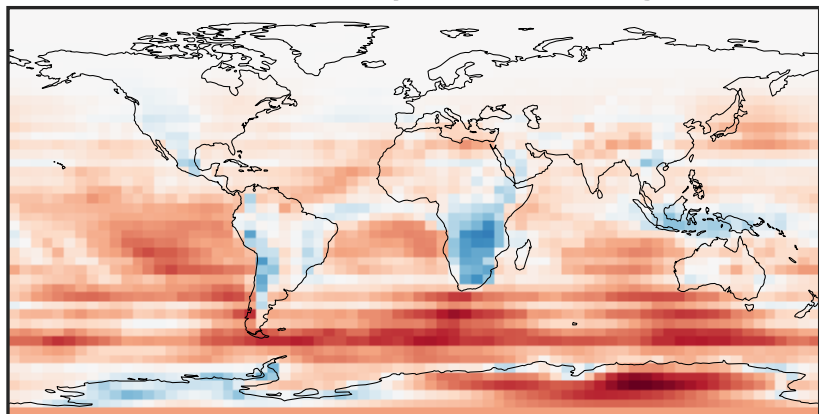
0.0 1.5 3.0 4.5  
s-1 1e-7

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



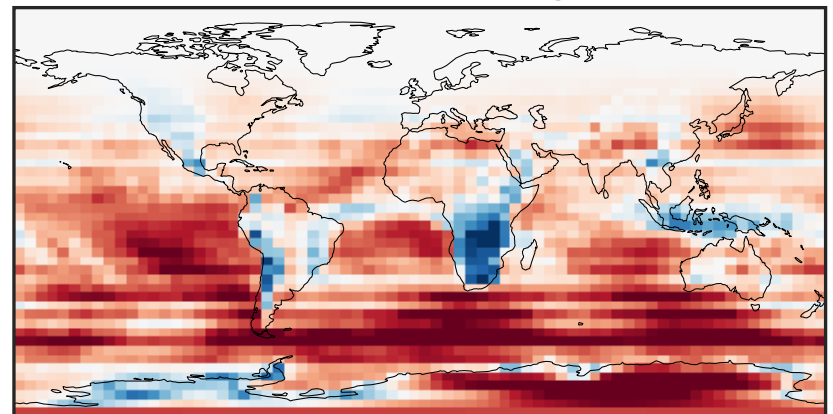
0.0 1.5 3.0 4.5  
s-1 1e-7

Difference  
Dev - Ref, Dynamic Range



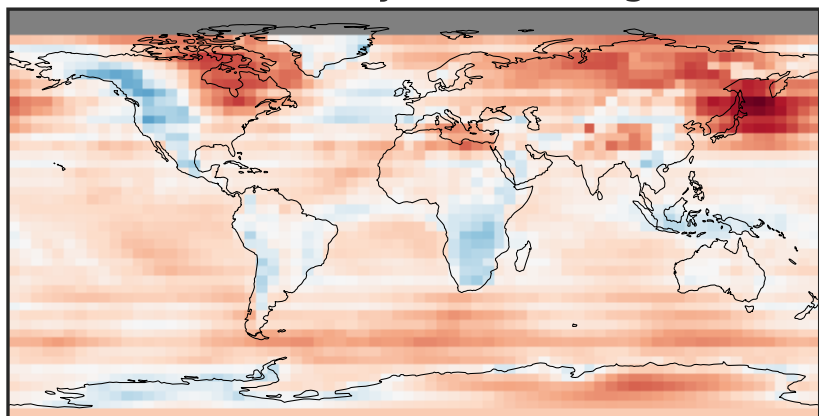
-1.5 0.0 1.5  
s-1 1e-8

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



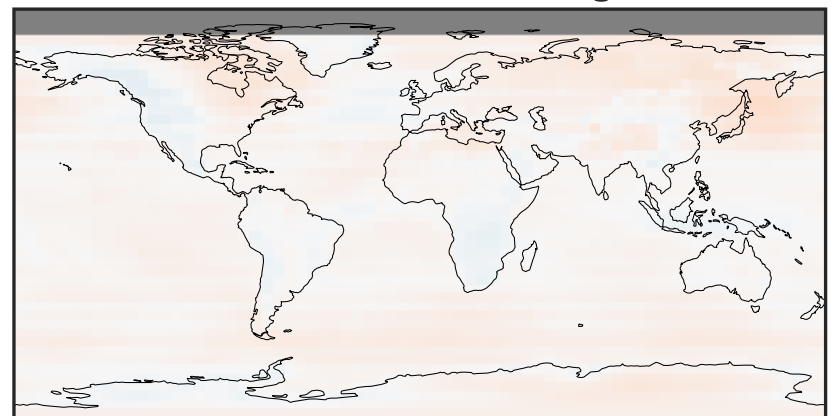
-1 0 1  
s-1 1e-8

Ratio  
Dev/Ref, Dynamic Range



0.8786 0.9393 1.0000 1.0691 1.1382  
unitless

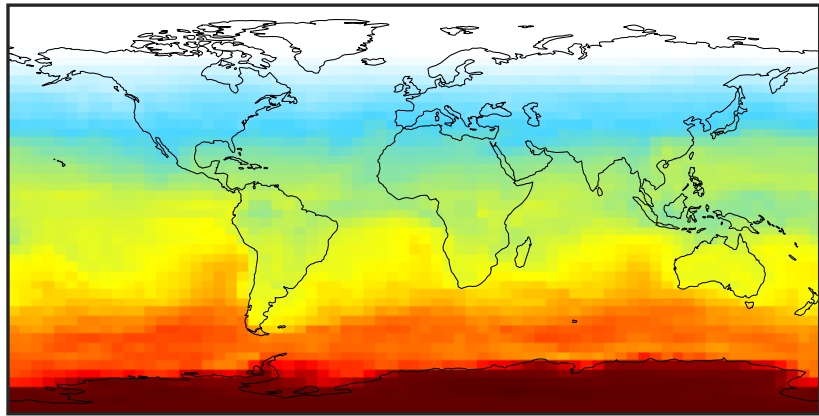
Ratio  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

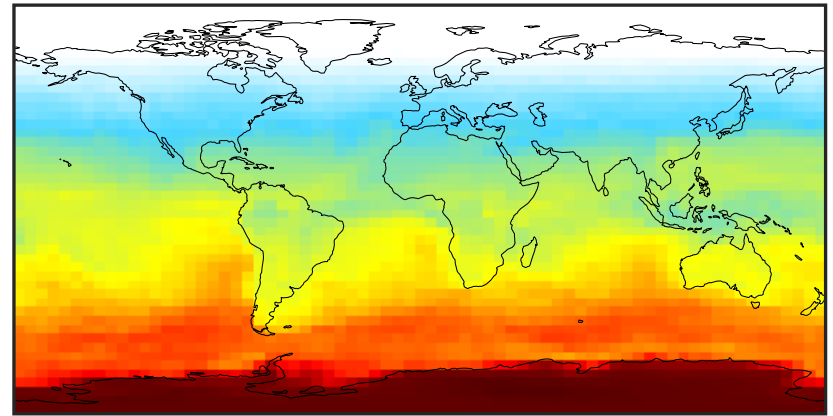
# Jval\_HNO4 (Jan2019)

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



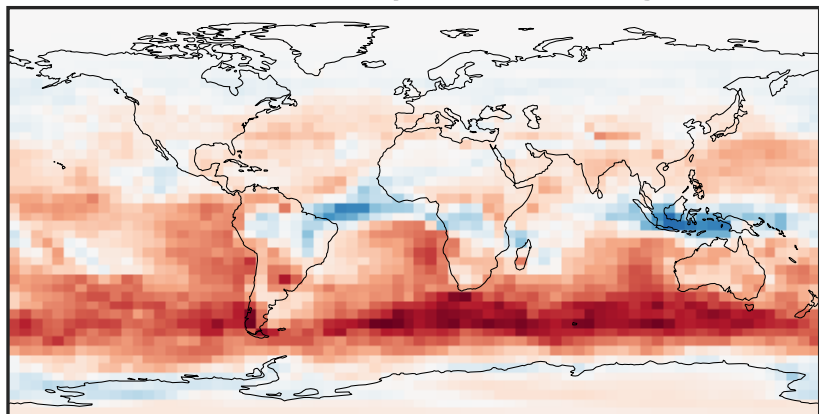
0.0 0.6 1.2 1.8  $10^{-5}$  s-1

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



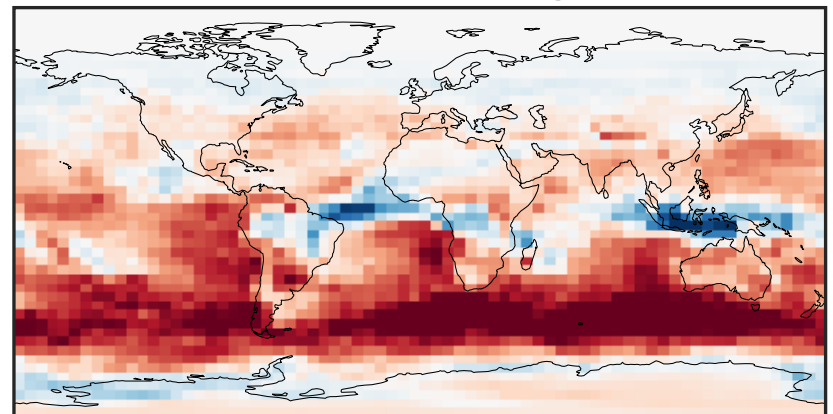
0.0 0.6 1.2 1.8  $10^{-5}$  s-1

Difference  
Dev - Ref, Dynamic Range



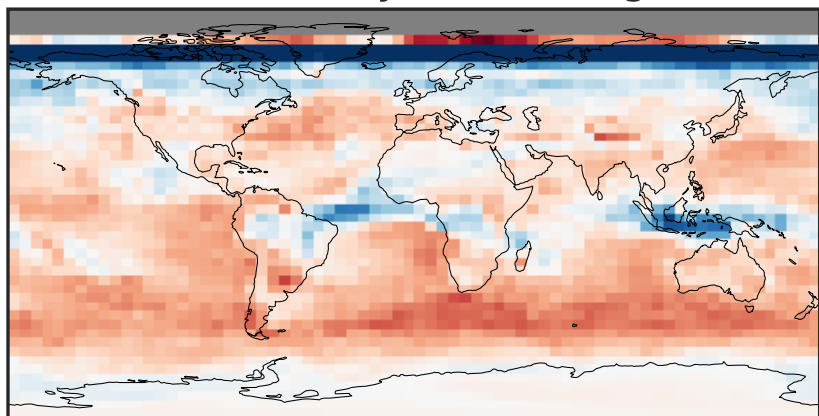
-3 0 3  $10^{-7}$  s-1

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



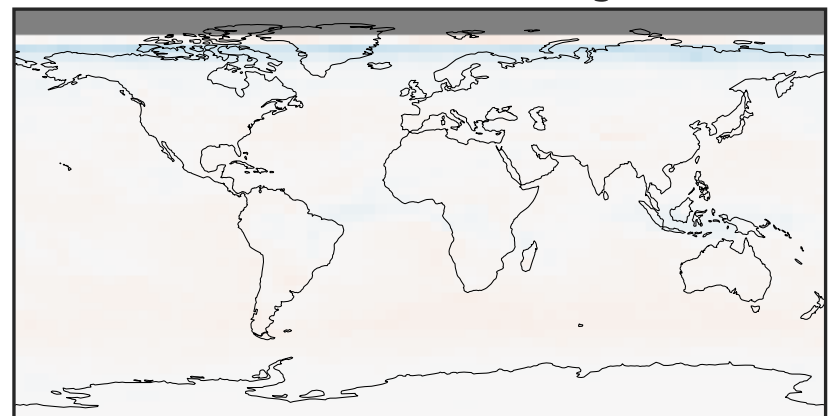
-2 0 2  $10^{-7}$  s-1

Ratio  
Dev/Ref, Dynamic Range



0.9470 0.9735 1.0000 1.0280 1.0560  
unitless

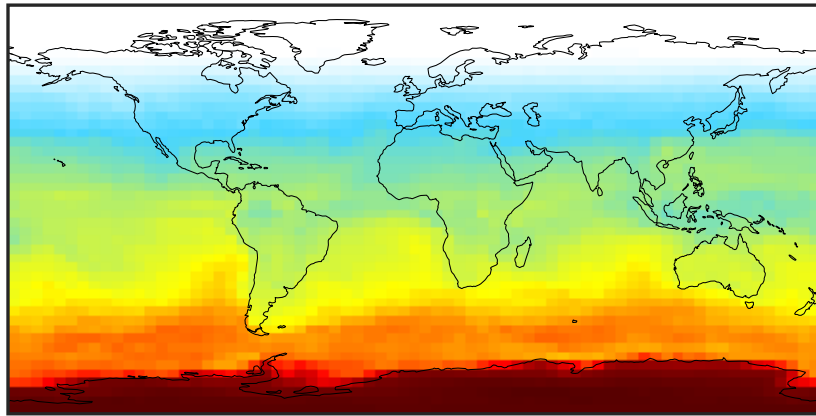
Ratio  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

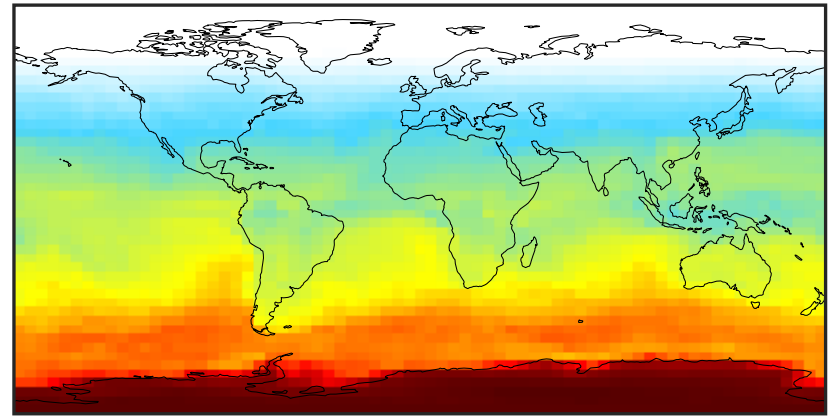
# Jval\_HOBr (Jan2019)

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



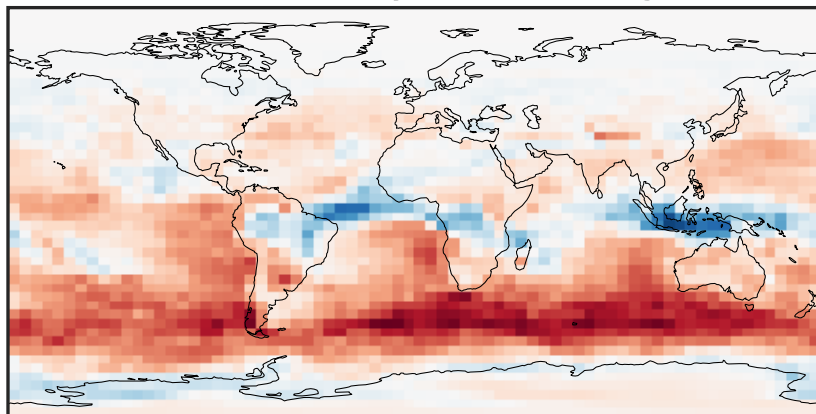
0.0000 0.0008 0.0016 0.0024  
s-1

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



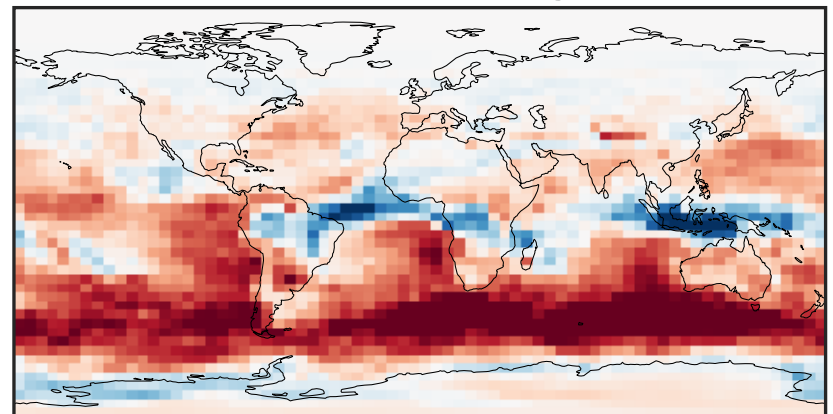
0.0000 0.0008 0.0016 0.0024  
s-1

Difference  
Dev - Ref, Dynamic Range



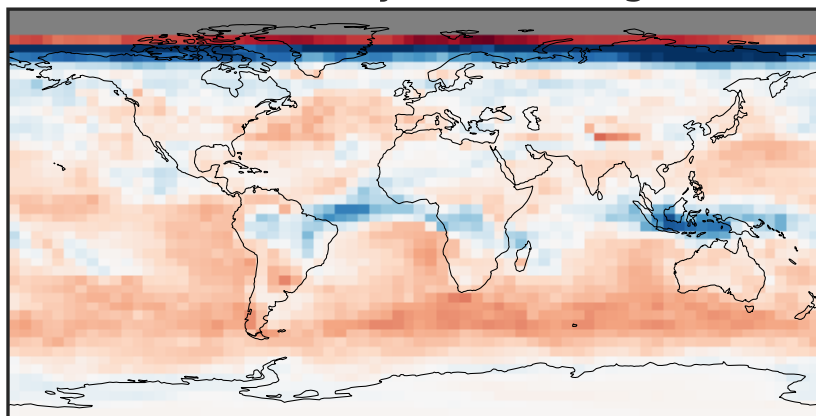
-3 0 3  
s-1 1e-5

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



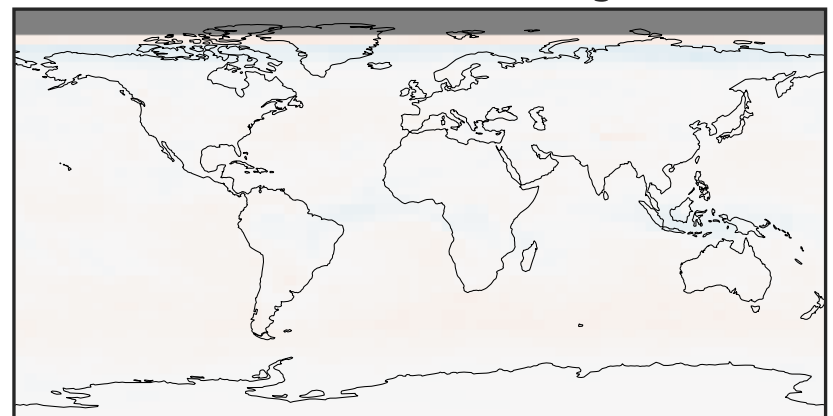
-2 0 2  
s-1 1e-5

Ratio  
Dev/Ref, Dynamic Range



0.9409 0.9705 1.0000 1.0314 1.0628  
unitless

Ratio  
Dev/Ref, Fixed Range

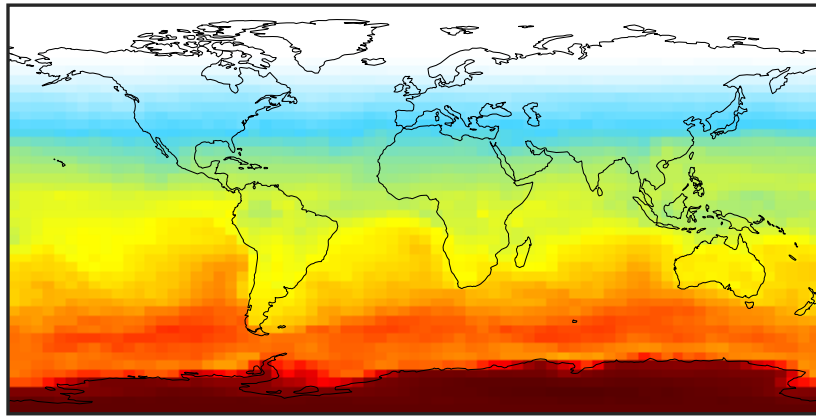


0.50 0.75 1.00 1.50 2.00  
unitless



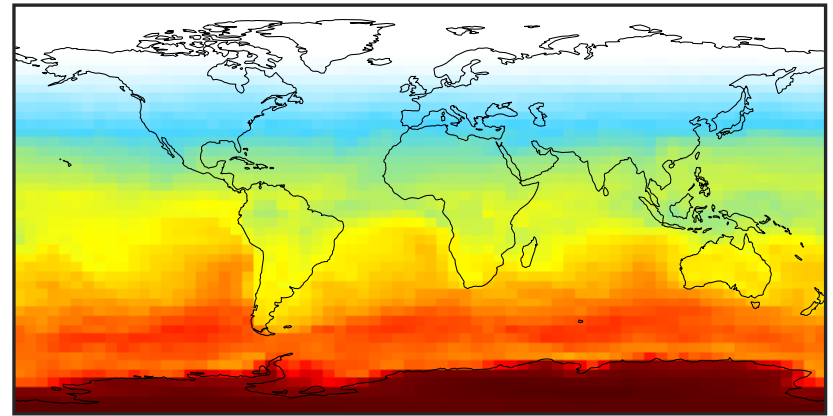
# Jval\_HOCl (Jan2019)

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



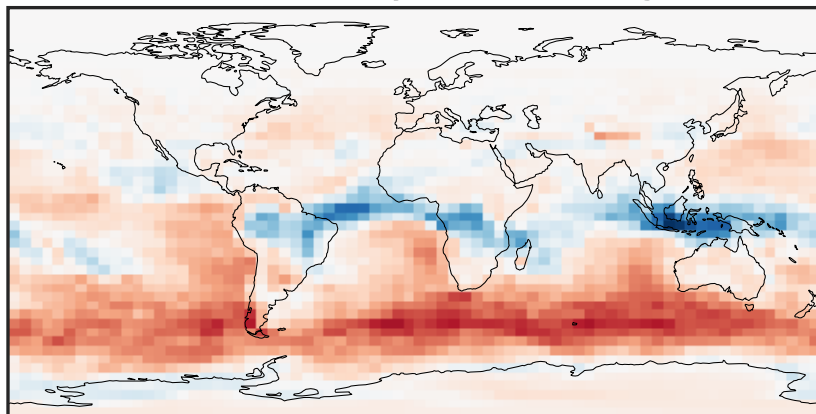
0.0000 0.0001 0.0002 0.0003  
s-1

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



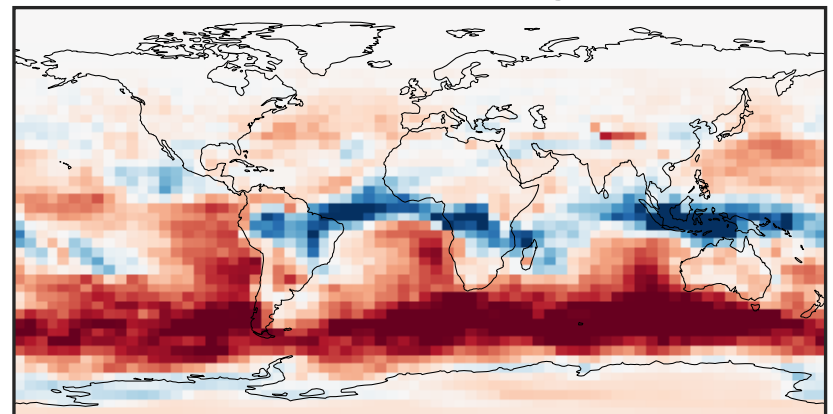
0.0000 0.0001 0.0002 0.0003  
s-1

Difference  
Dev - Ref, Dynamic Range



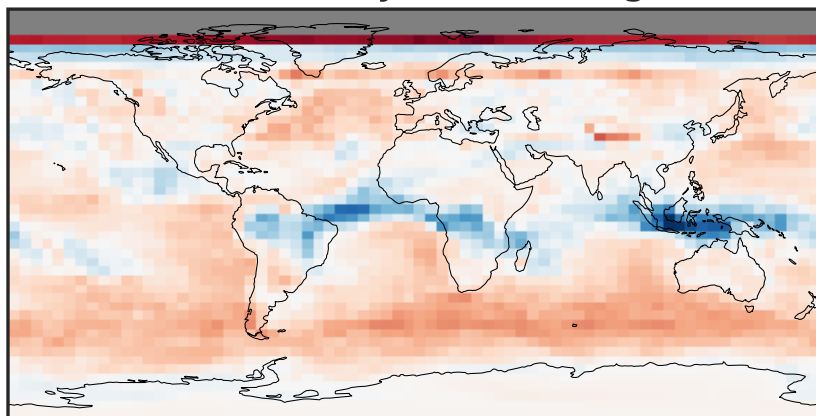
-4 0 4  
s-1 1e-6

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



-2.5 0.0 2.5  
s-1 1e-6

Ratio  
Dev/Ref, Dynamic Range



0.9461 0.9731 1.0000 1.0285 1.0570  
unitless

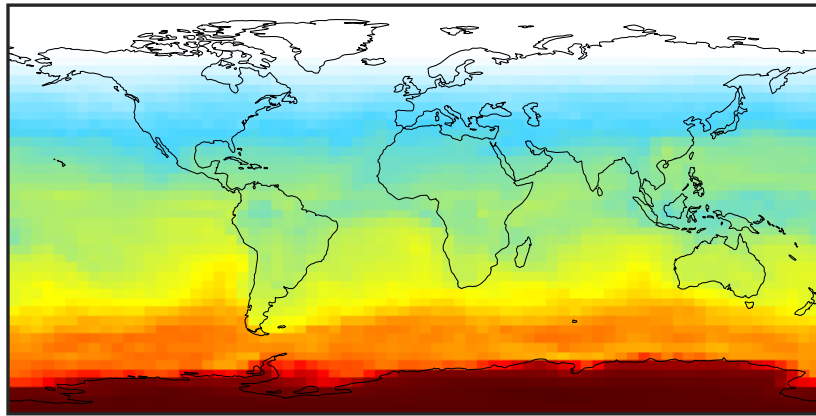
Ratio  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

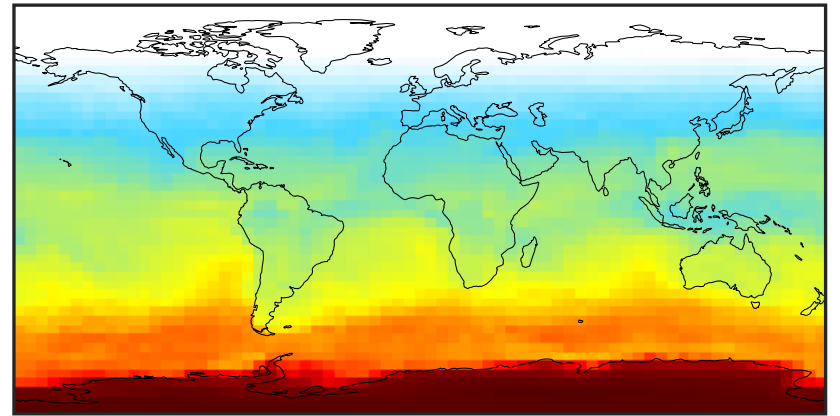
# Jval\_HOI (Jan2019)

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



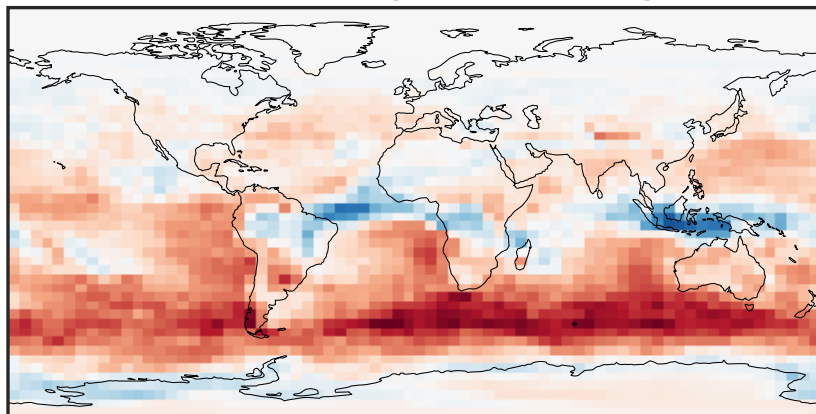
0.000 0.004 0.008 0.012  
s-1

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



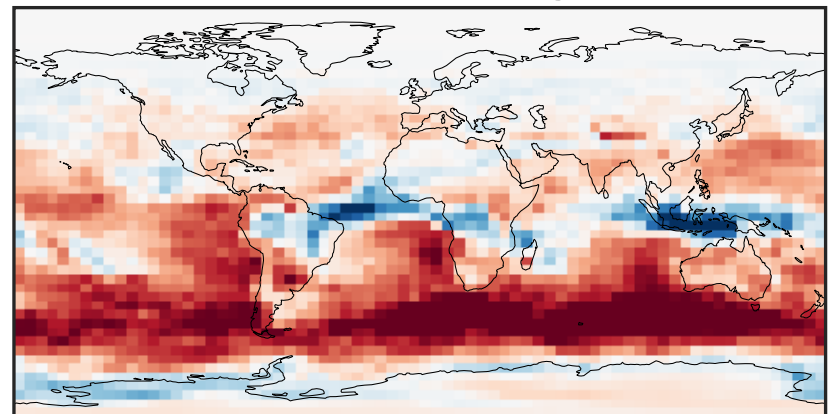
0.000 0.004 0.008 0.012  
s-1

Difference  
Dev - Ref, Dynamic Range



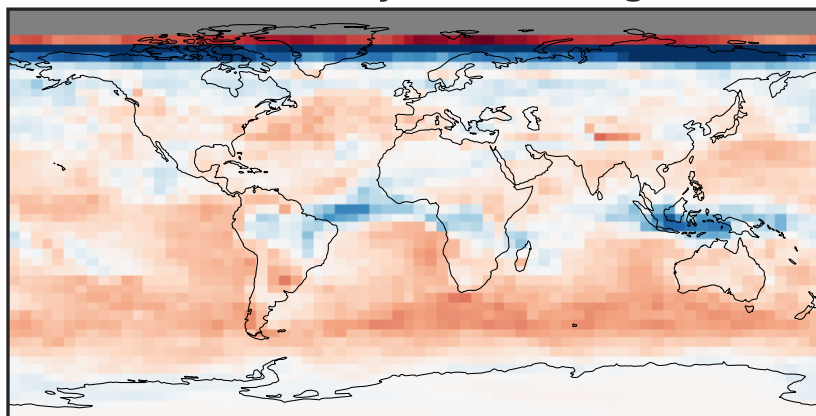
-0.00015 0.00000 0.00015  
s-1

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



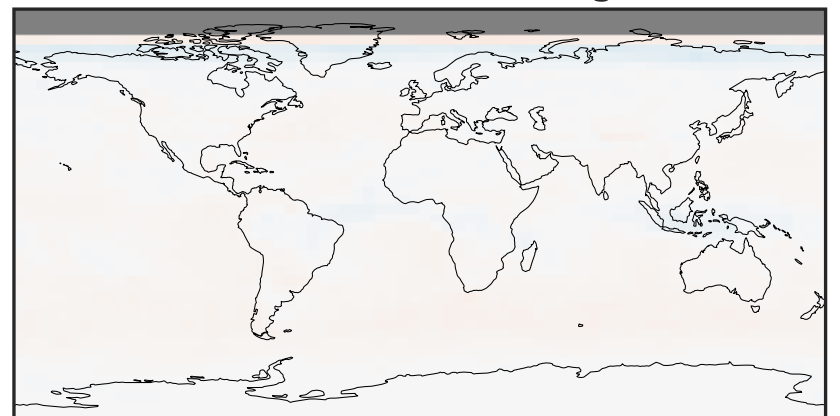
-0.0001 0.0000 0.0001  
s-1

Ratio  
Dev/Ref, Dynamic Range



0.940 0.970 1.000 1.032 1.064  
unitless

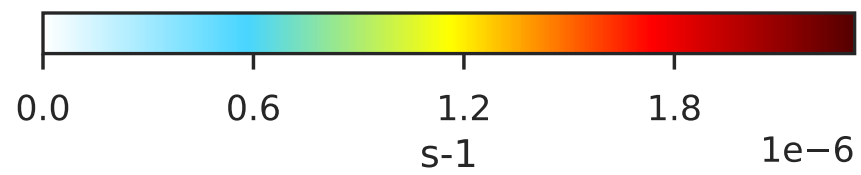
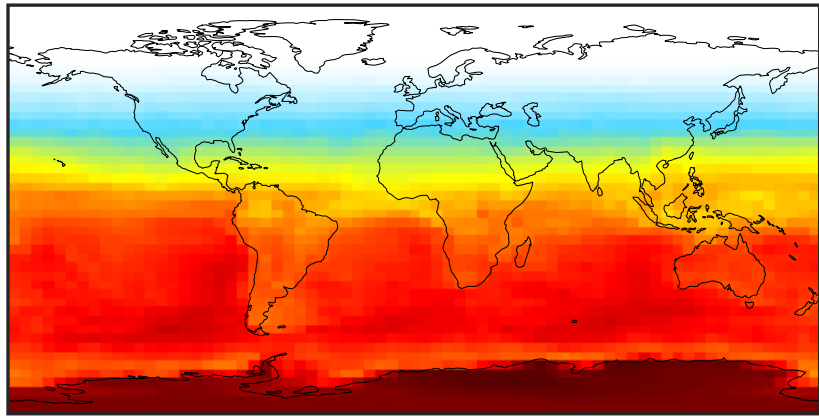
Ratio  
Dev/Ref, Fixed Range



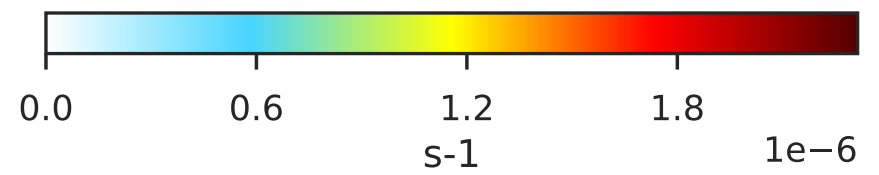
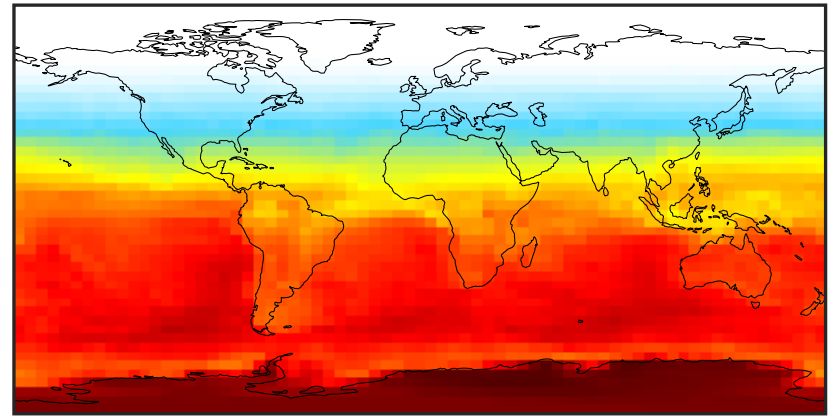
0.50 0.75 1.00 1.50 2.00  
unitless

# Jval\_HONIT (Jan2019)

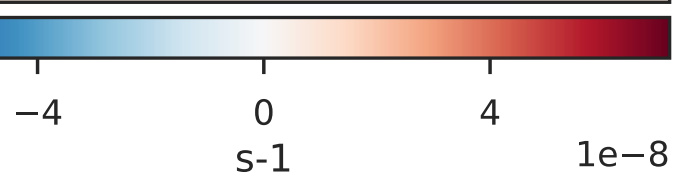
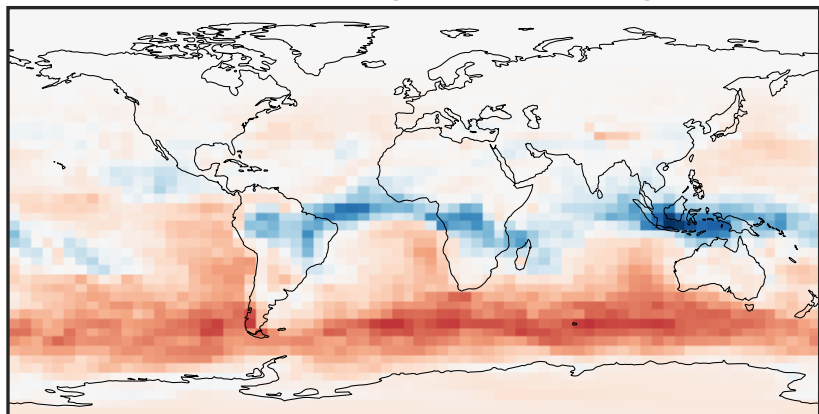
14.2.0-rc.2 (Ref)  
4.0x5.0



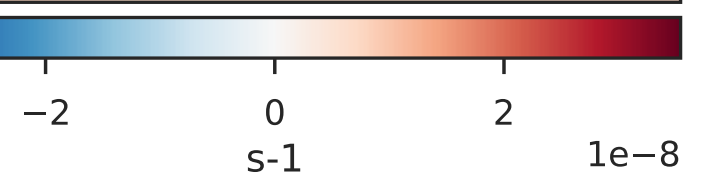
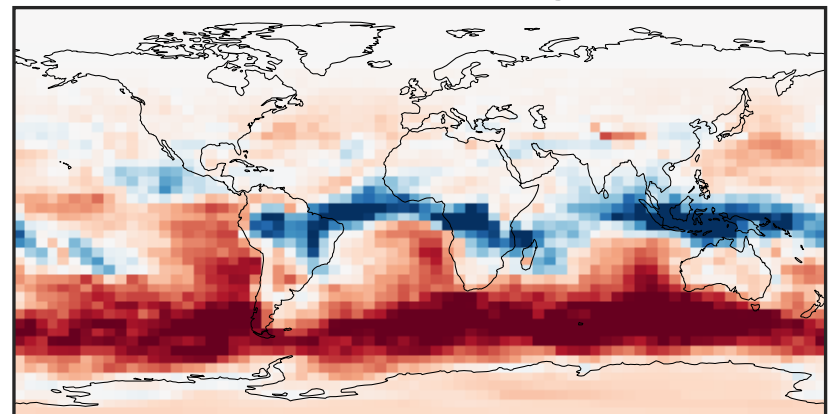
14.3.0-rc.0 (Dev)  
4.0x5.0



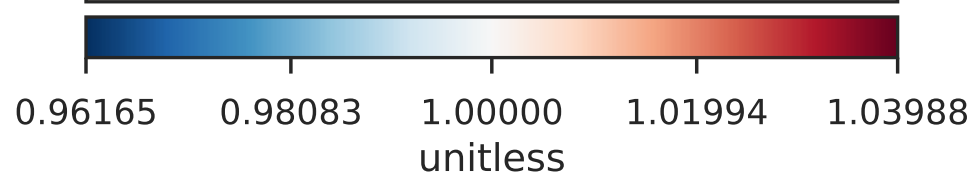
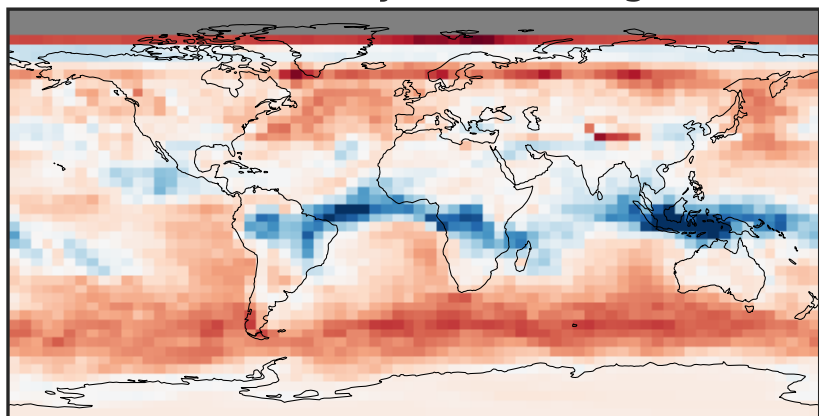
Difference  
Dev - Ref, Dynamic Range



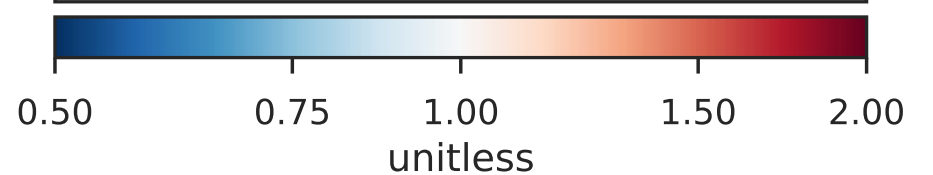
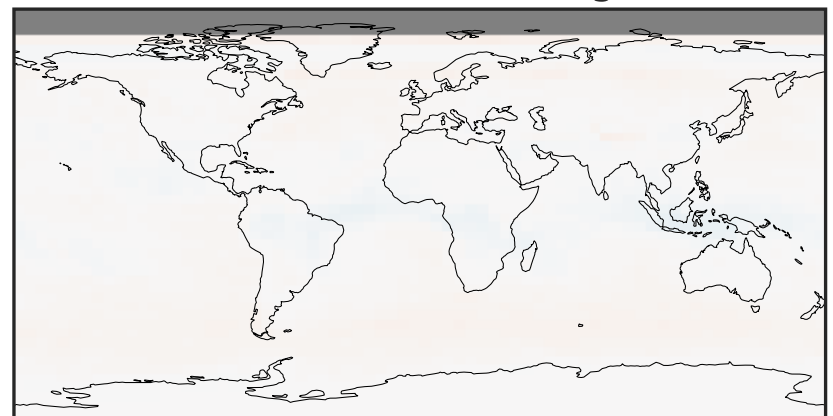
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

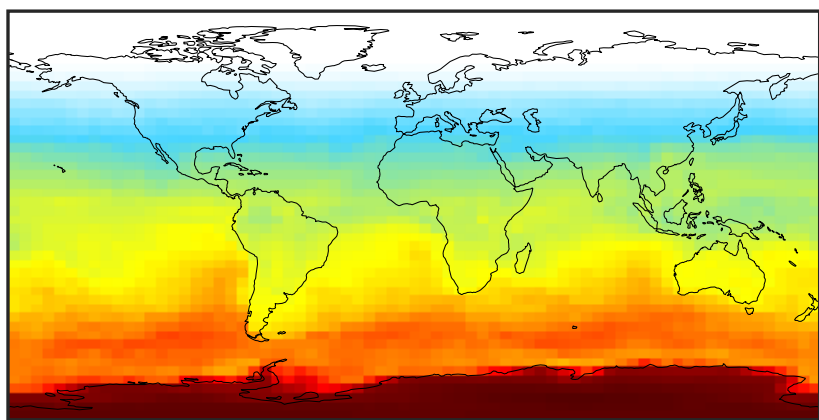


Ratio  
Dev/Ref, Fixed Range



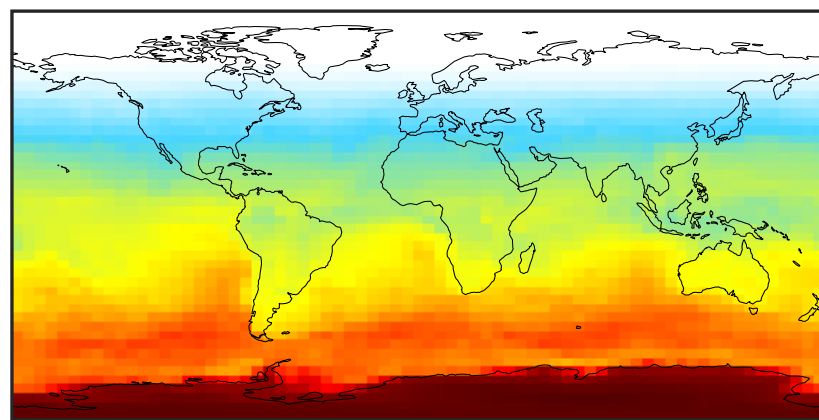
# Jval\_HPALD1 (Jan2019)

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



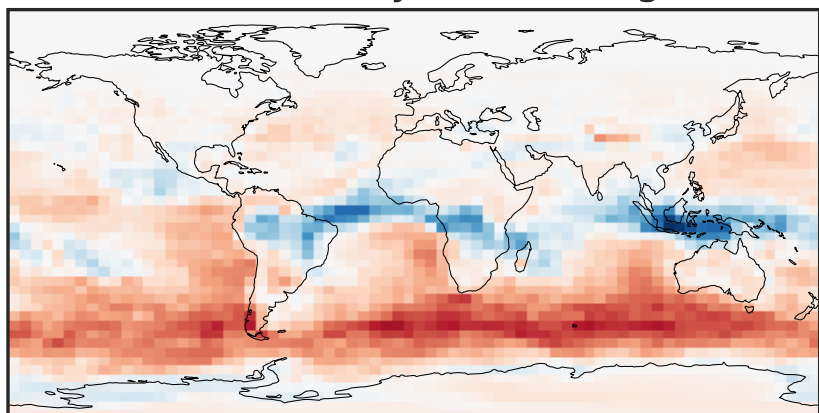
0.0000 0.0001 0.0002 0.0003  
s-1

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



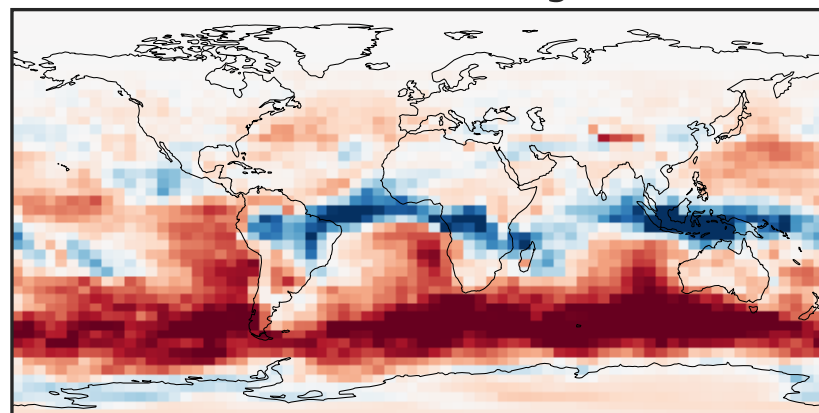
0.0000 0.0001 0.0002 0.0003  
s-1

Difference  
Dev - Ref, Dynamic Range



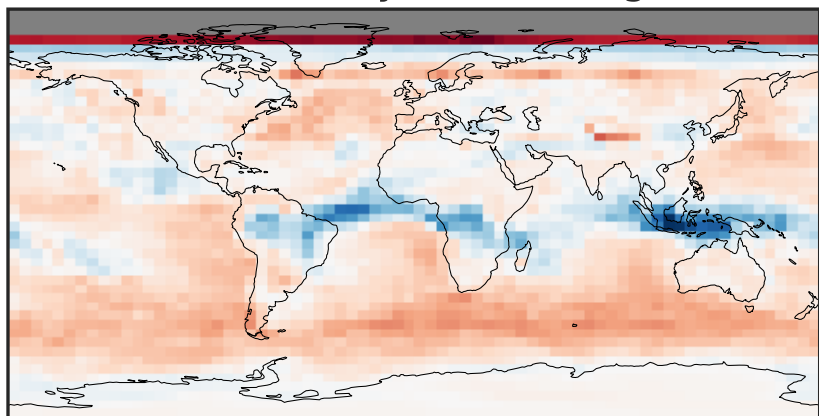
-5 0 5  
s-1 1e-6

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



-2.5 0.0 2.5  
s-1 1e-6

Ratio  
Dev/Ref, Dynamic Range



0.9456 0.9728 1.0000 1.0288 1.0575  
unitless

Ratio  
Dev/Ref, Fixed Range

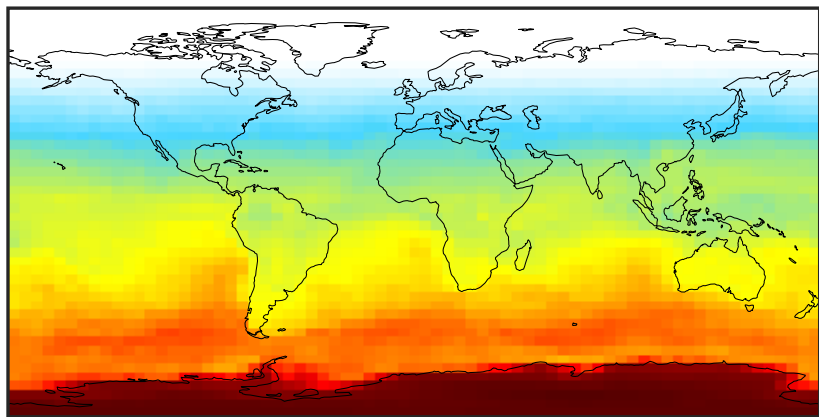


0.50 0.75 1.00 1.50 2.00  
unitless



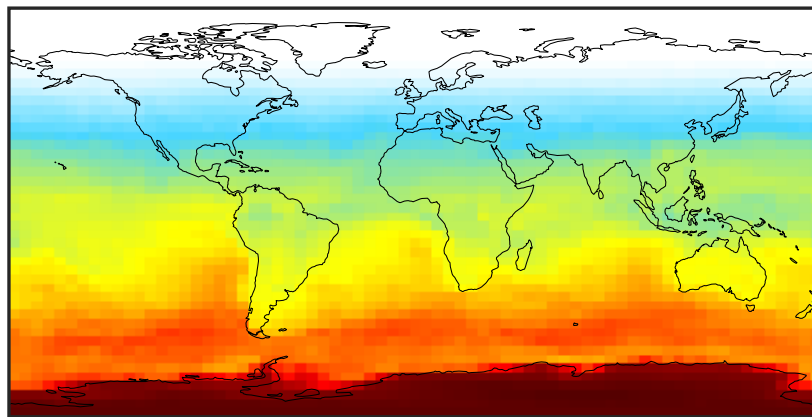
# Jval\_HPALD2 (Jan2019)

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



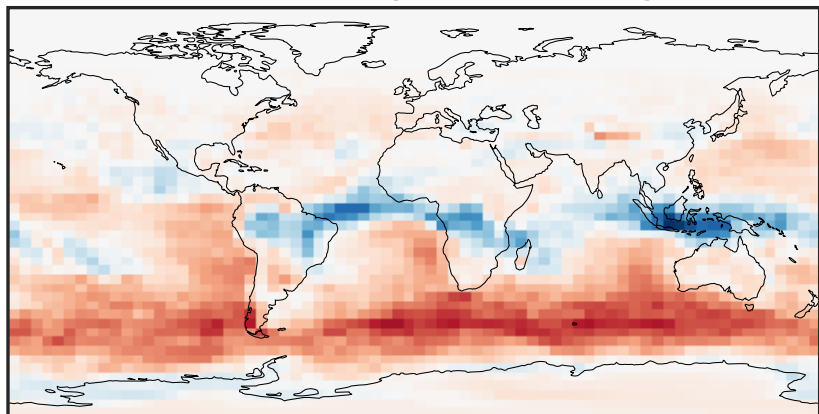
0.0000 0.0001 0.0002 0.0003  
s-1

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



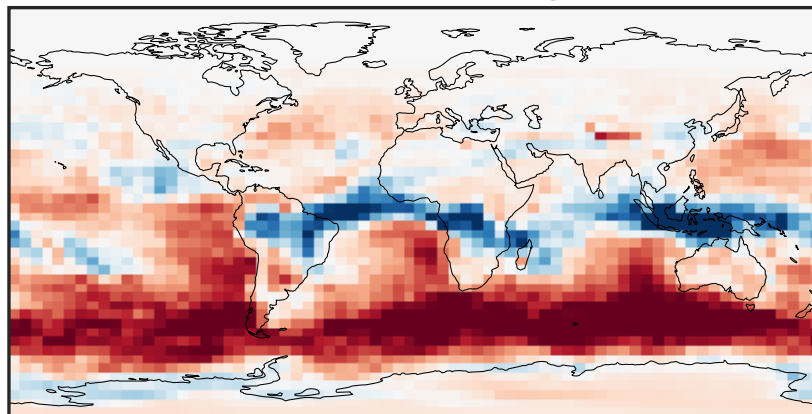
0.0000 0.0001 0.0002 0.0003  
s-1

Difference  
Dev - Ref, Dynamic Range



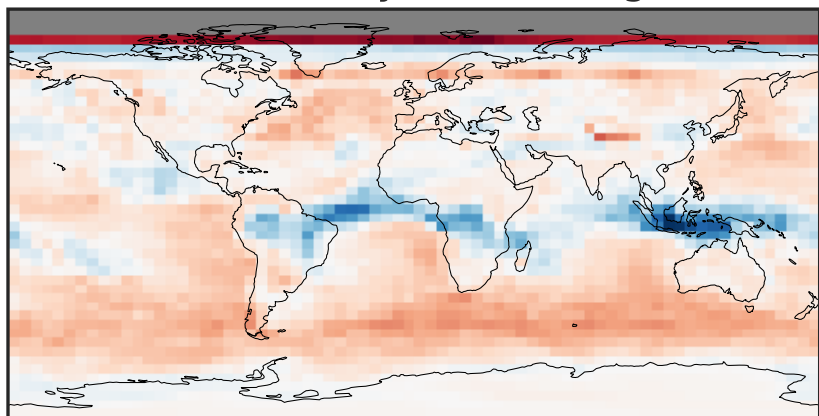
-4 0 4  
s-1 1e-6

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



-2.5 0.0 2.5  
s-1 1e-6

Ratio  
Dev/Ref, Dynamic Range



0.9456 0.9728 1.0000 1.0288 1.0575  
unitless

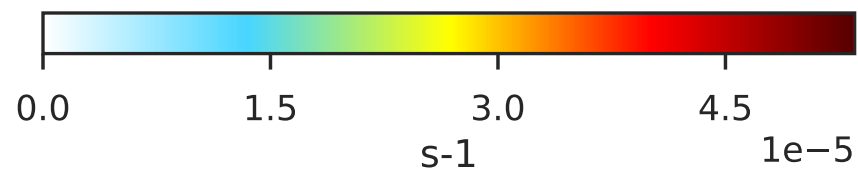
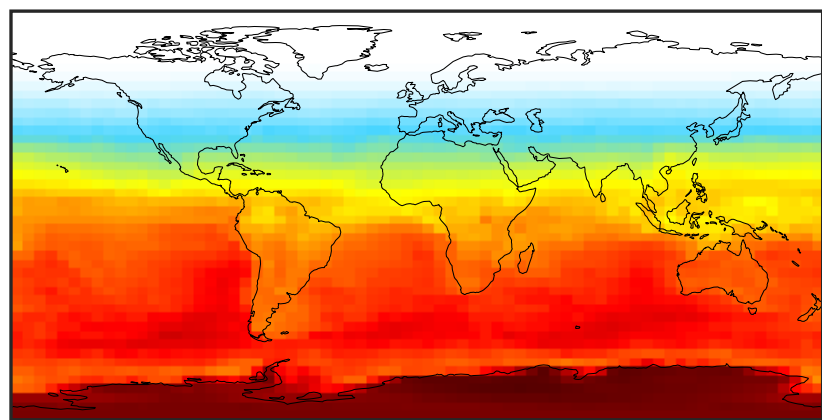
Ratio  
Dev/Ref, Fixed Range



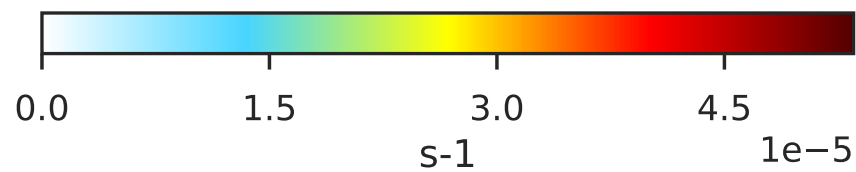
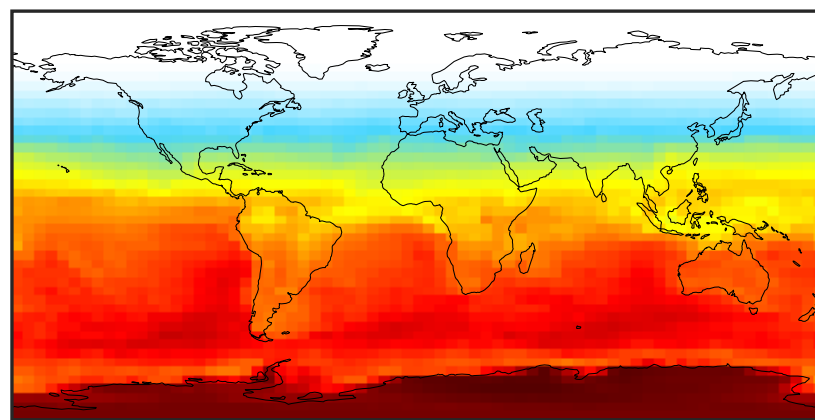
0.50 0.75 1.00 1.50 2.00  
unitless

# Jval\_HPALD3 (Jan2019)

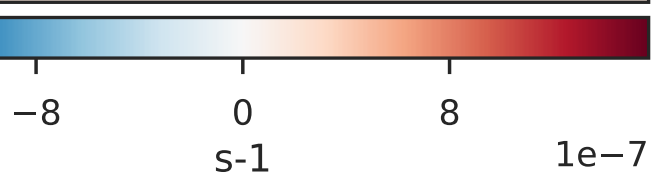
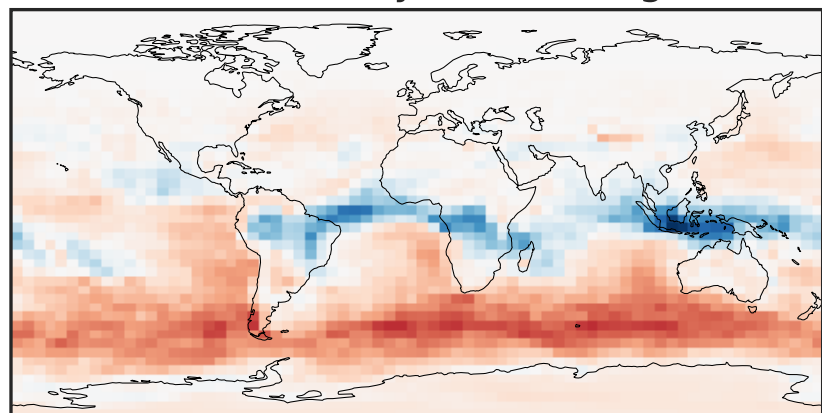
14.2.0-rc.2 (Ref)  
4.0x5.0



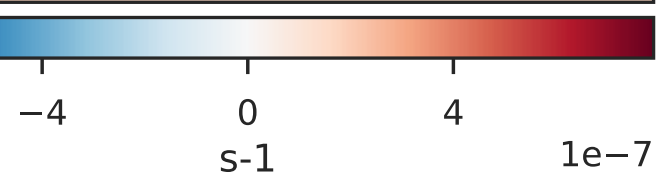
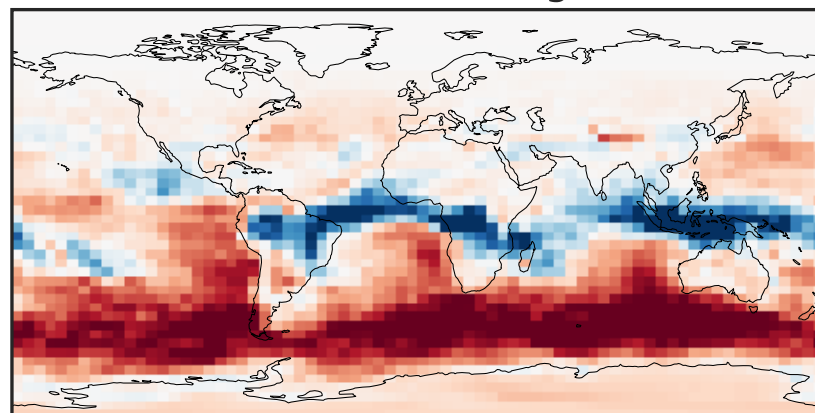
14.3.0-rc.0 (Dev)  
4.0x5.0



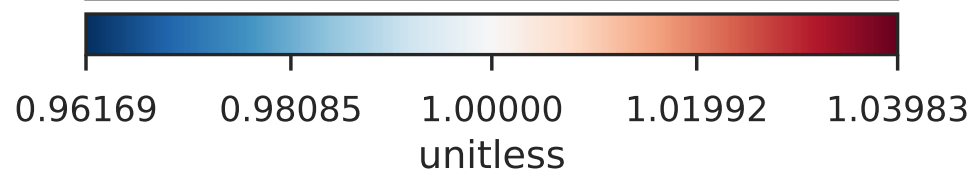
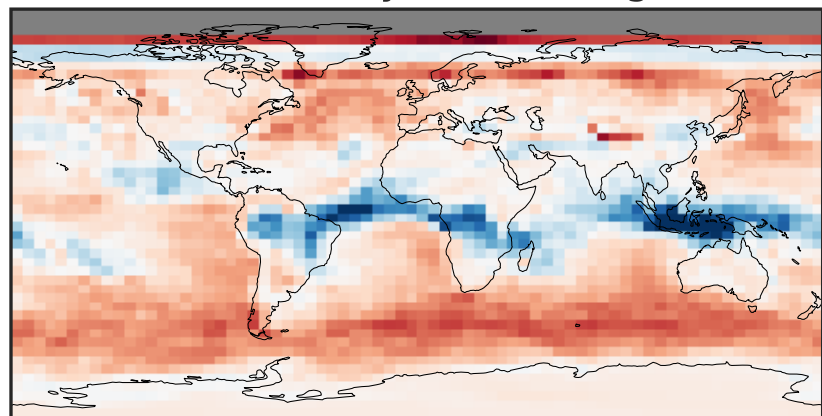
Difference  
Dev - Ref, Dynamic Range



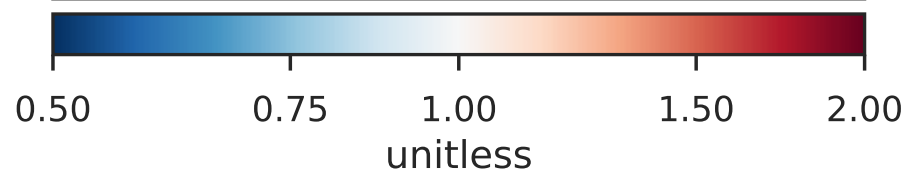
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

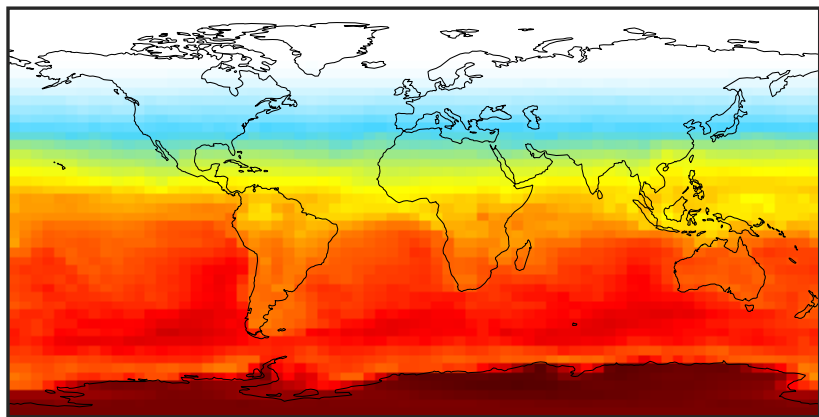


Ratio  
Dev/Ref, Fixed Range



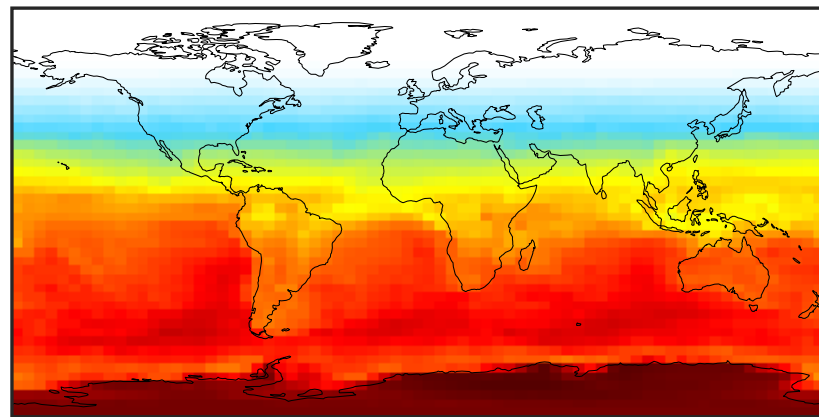
# Jval\_HPALD4 (Jan2019)

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



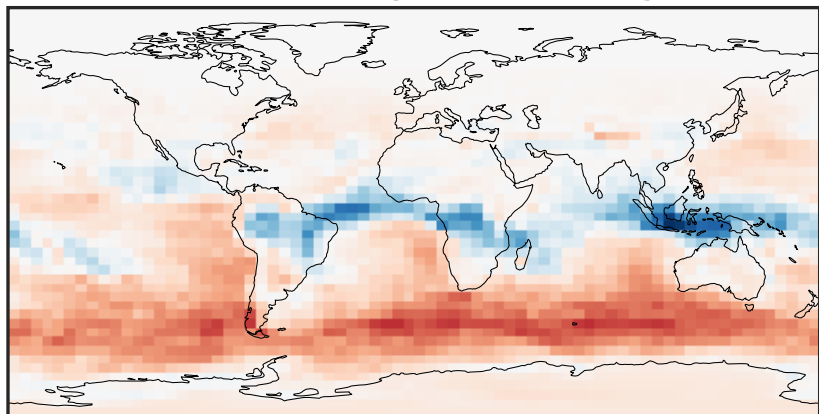
0.0 1.5 3.0 4.5  
s-1  $1e-5$

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



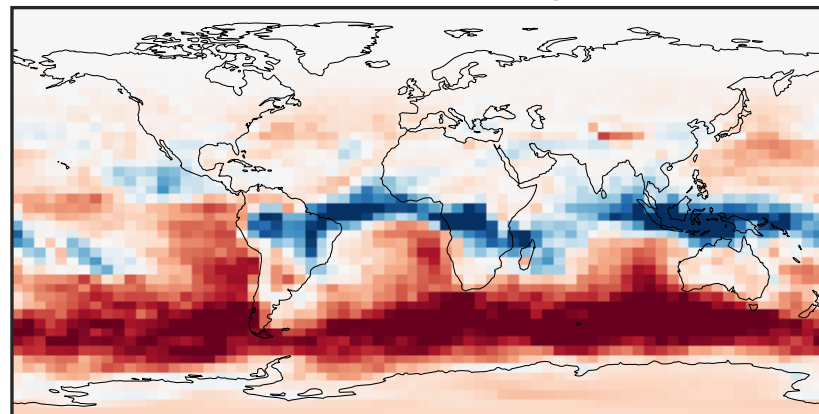
0.0 1.5 3.0 4.5  
s-1  $1e-5$

Difference  
Dev - Ref, Dynamic Range



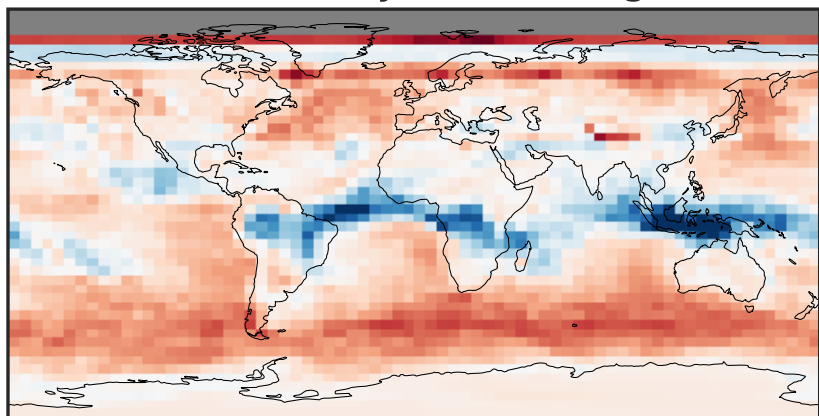
-8 0 8  
s-1  $1e-7$

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



-4 0 4  
s-1  $1e-7$

Ratio  
Dev/Ref, Dynamic Range



0.96169 0.98085 1.00000 1.01992 1.03983  
unitless

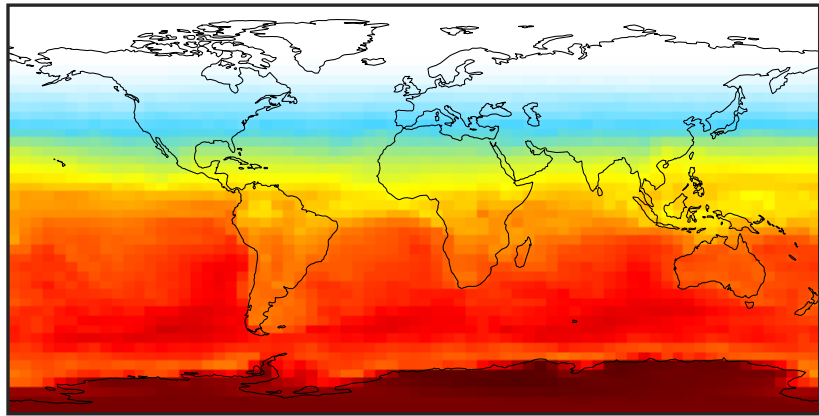
Ratio  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

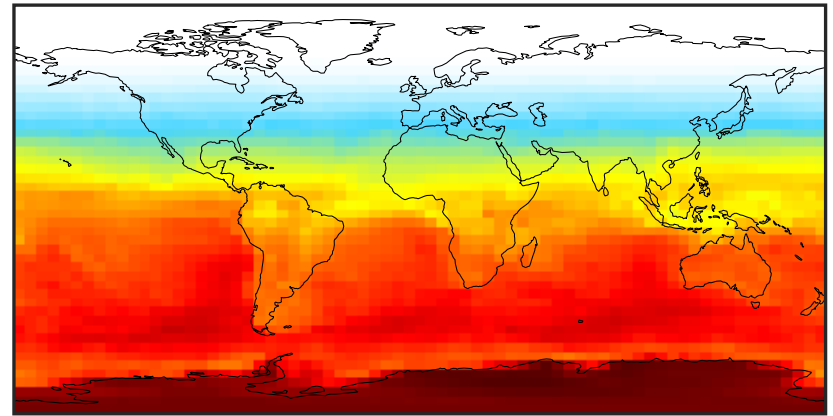
# Jval\_HPETHNL (Jan2019)

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



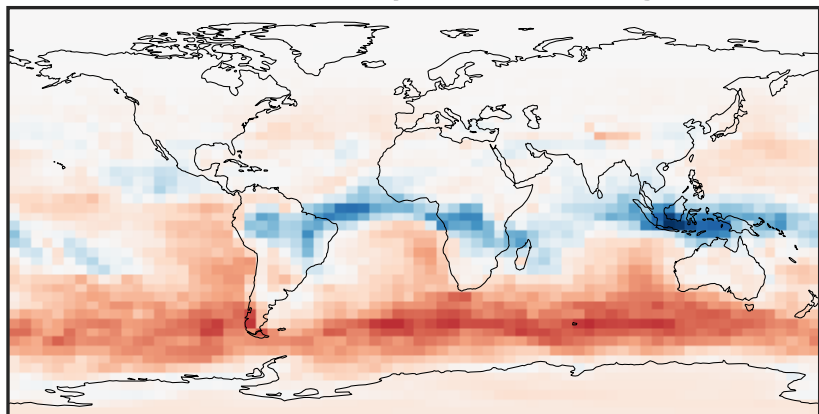
0.0 1.5 3.0 4.5  
s-1  $1e-5$

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



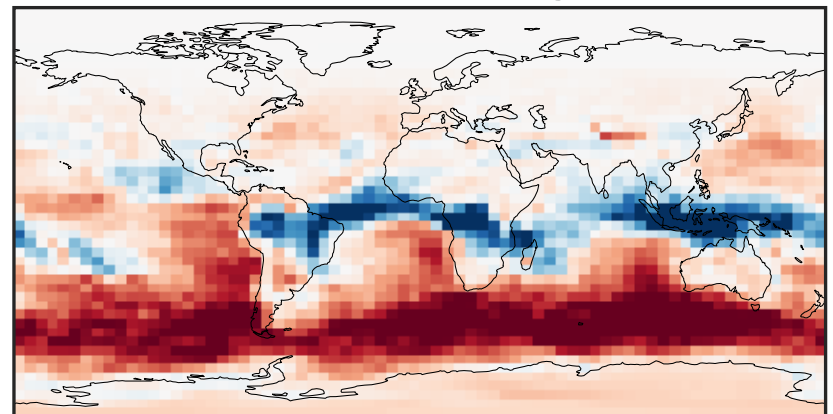
0.0 1.5 3.0 4.5  
s-1  $1e-5$

Difference  
Dev - Ref, Dynamic Range



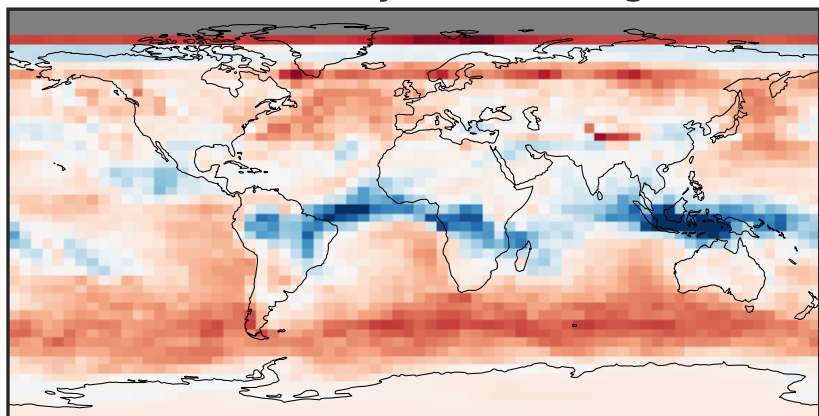
-8 0 8  
s-1  $1e-7$

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



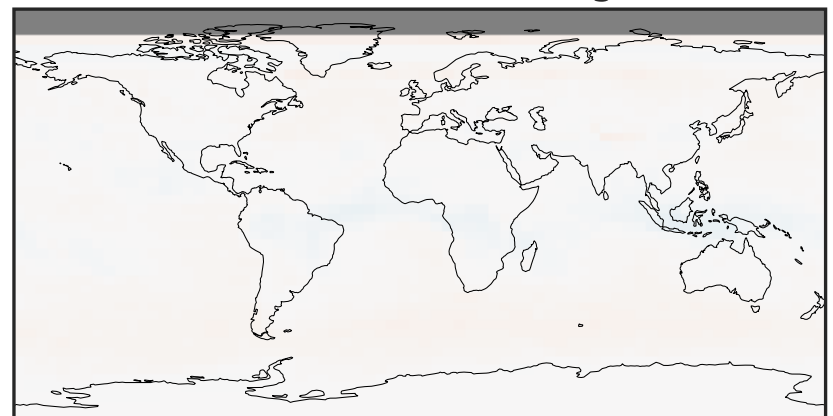
-4 0 4  
s-1  $1e-7$

Ratio  
Dev/Ref, Dynamic Range



0.96169 0.98085 1.00000 1.01992 1.03983  
unitless

Ratio  
Dev/Ref, Fixed Range

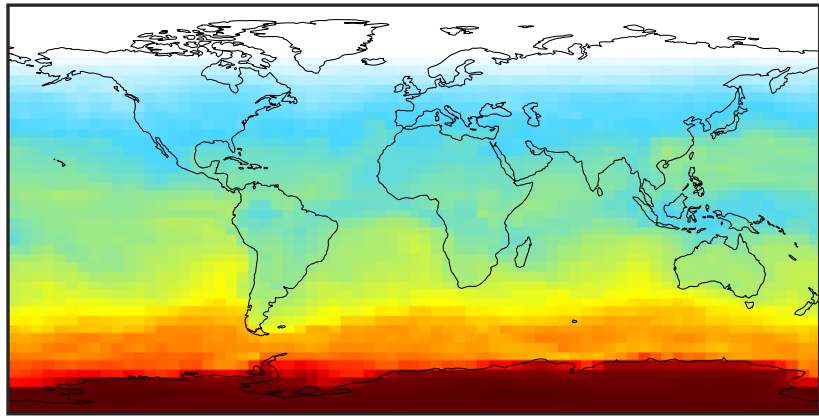


0.50 0.75 1.00 1.50 2.00  
unitless



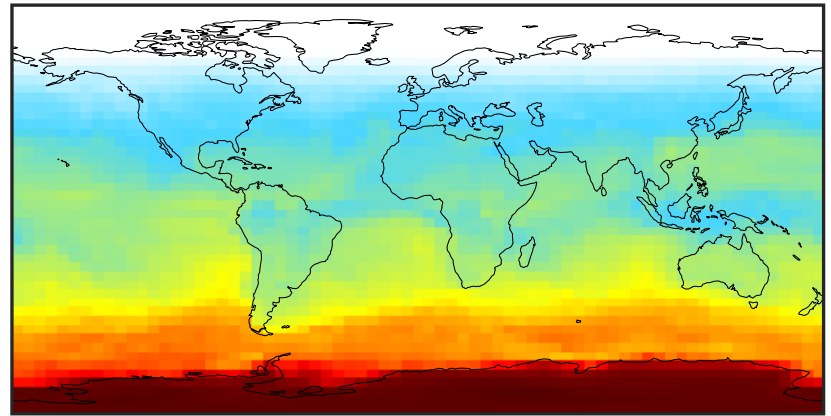
# Jval\_I2 (Jan2019)

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



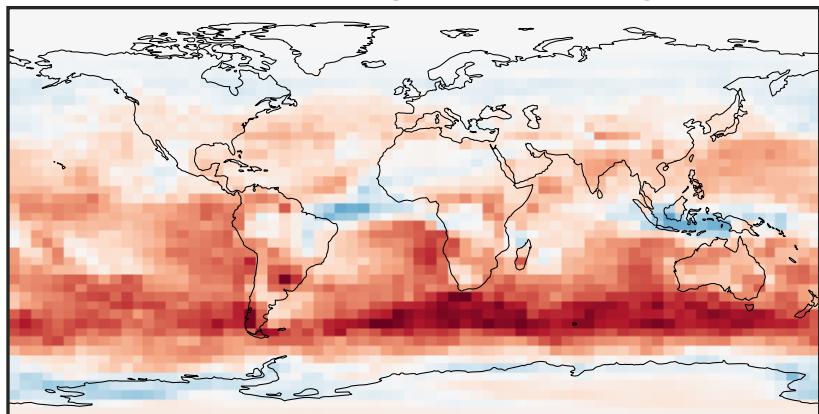
0.000 0.074 0.148 0.222 0.296  
s-1

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



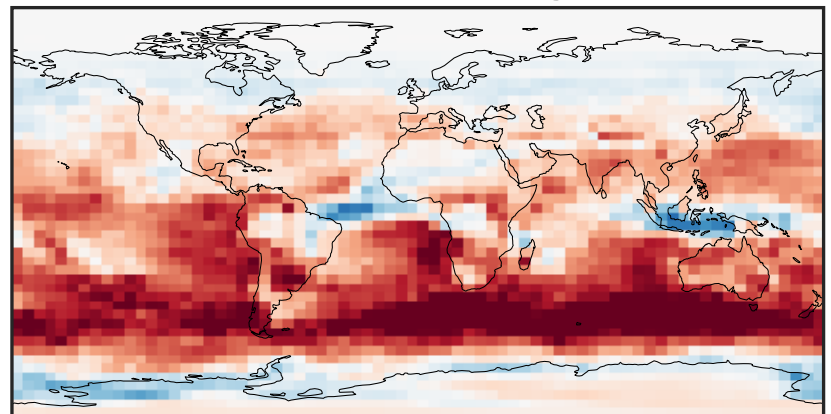
0.000 0.074 0.148 0.222 0.296  
s-1

Difference  
Dev - Ref, Dynamic Range



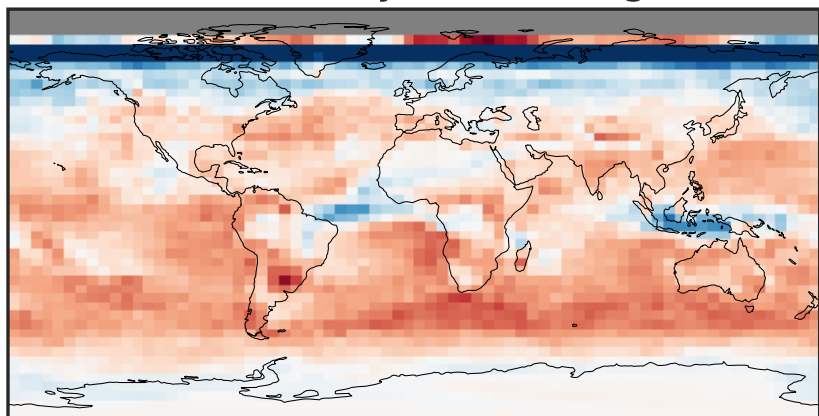
-0.004 0.000 0.004  
s-1

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



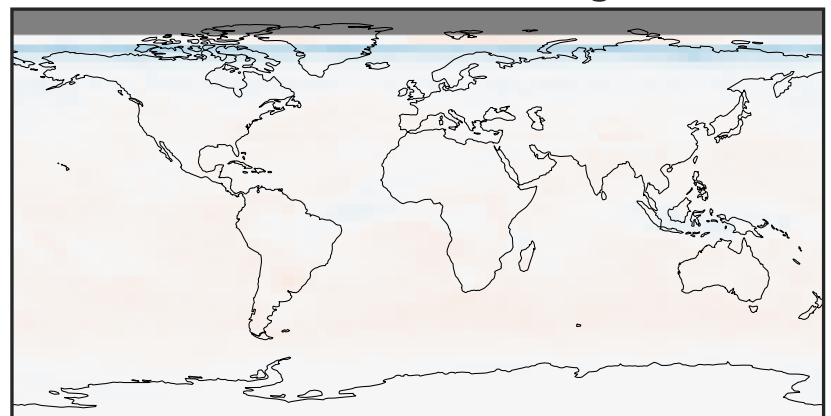
-0.0025 0.0000 0.0025  
s-1

Ratio  
Dev/Ref, Dynamic Range



0.9400 0.9700 1.0000 1.0319 1.0638  
unitless

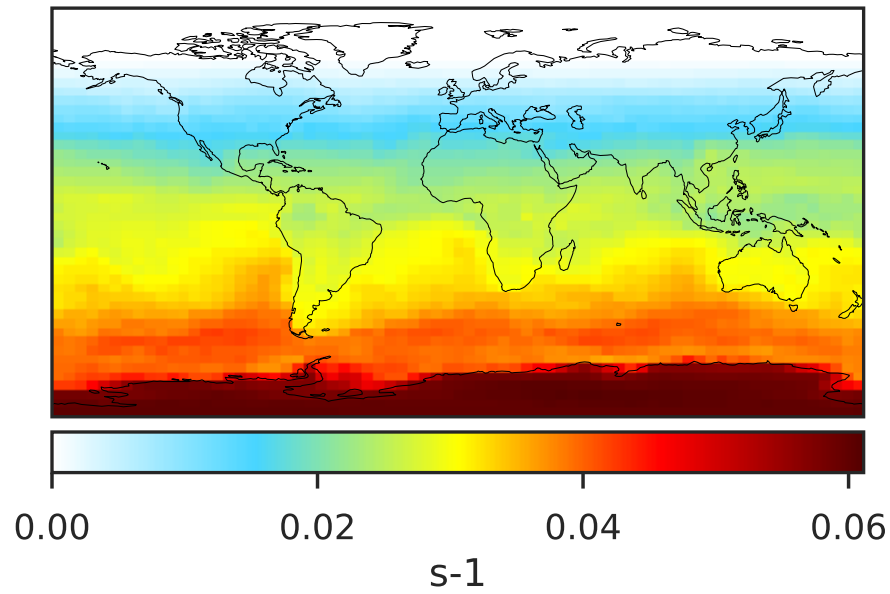
Ratio  
Dev/Ref, Fixed Range



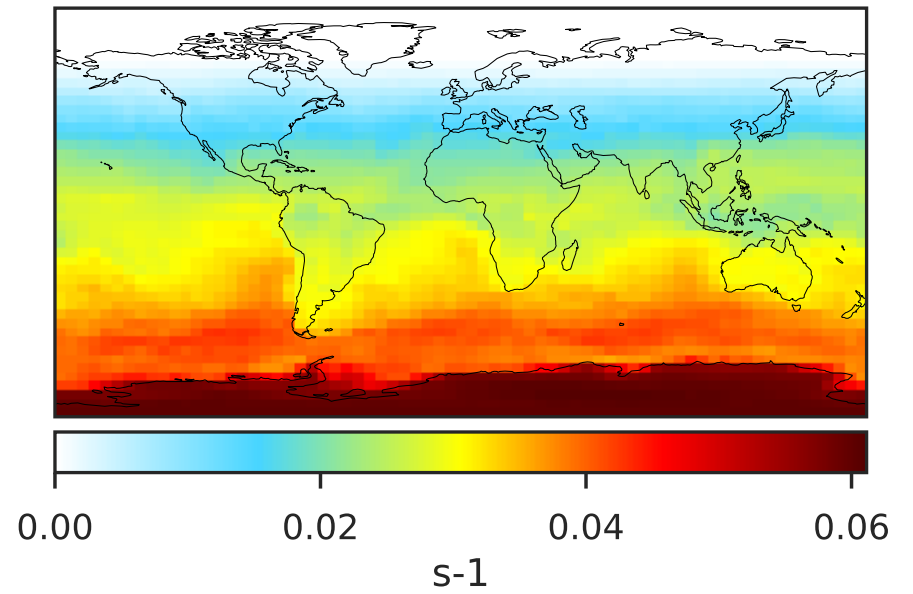
0.50 0.75 1.00 1.50 2.00  
unitless

# Jval\_I2O2 (Jan2019)

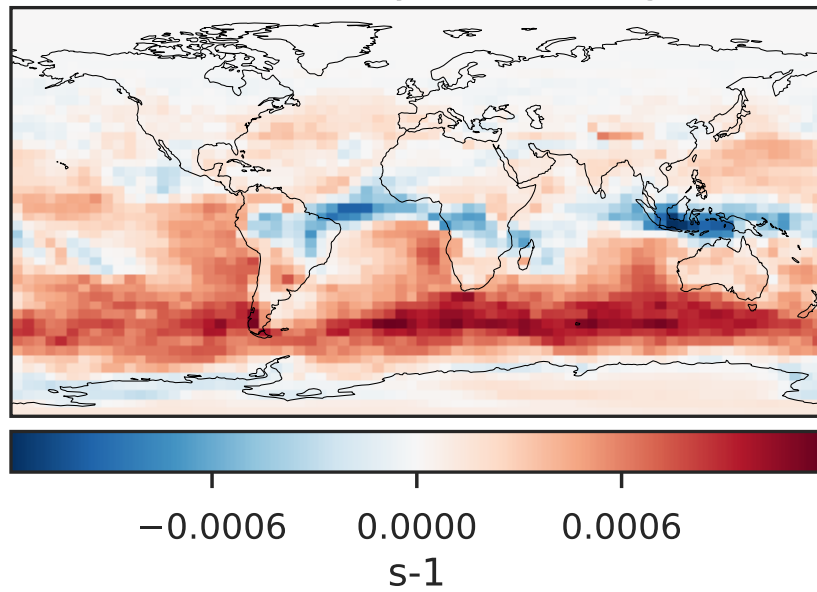
14.2.0-rc.2 (Ref)  
4.0x5.0



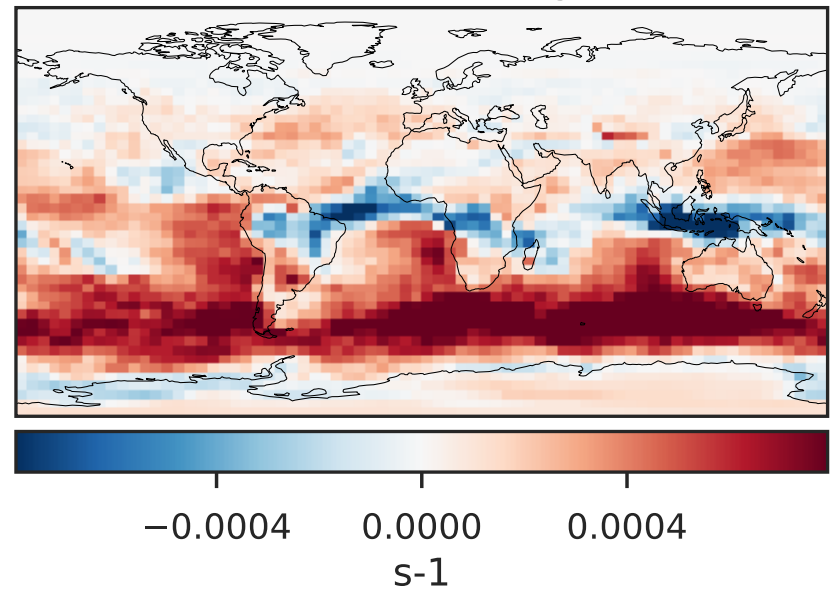
14.3.0-rc.0 (Dev)  
4.0x5.0



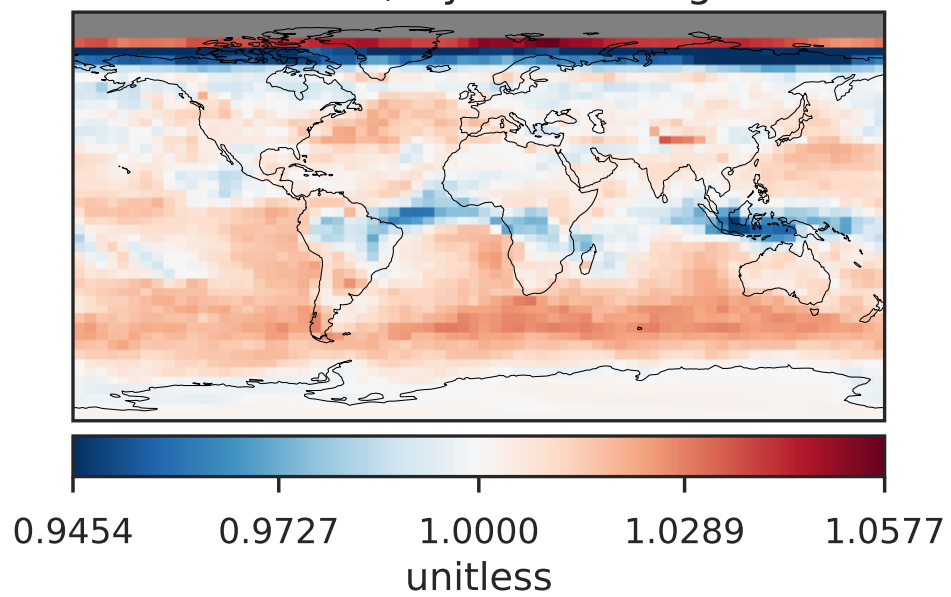
Difference  
Dev - Ref, Dynamic Range



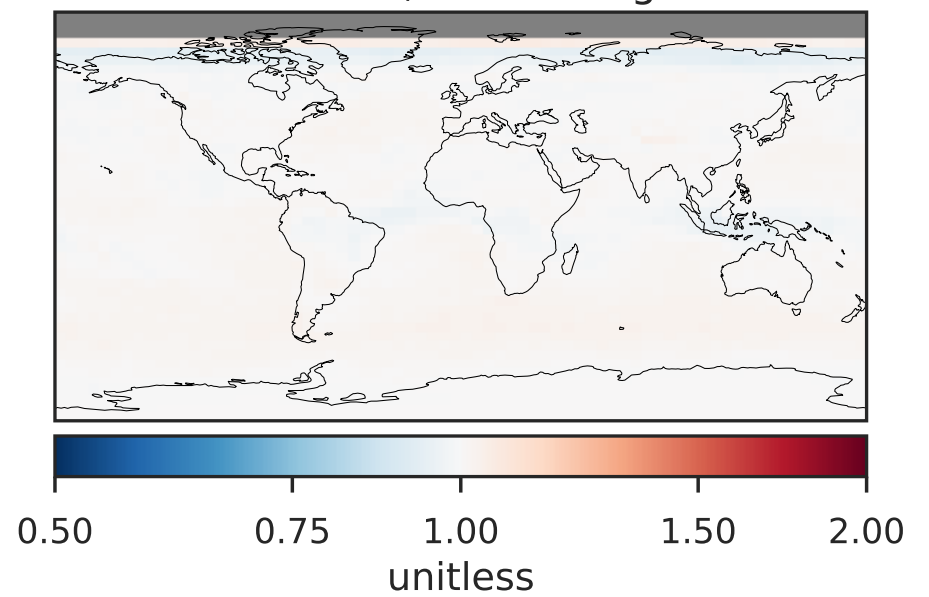
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

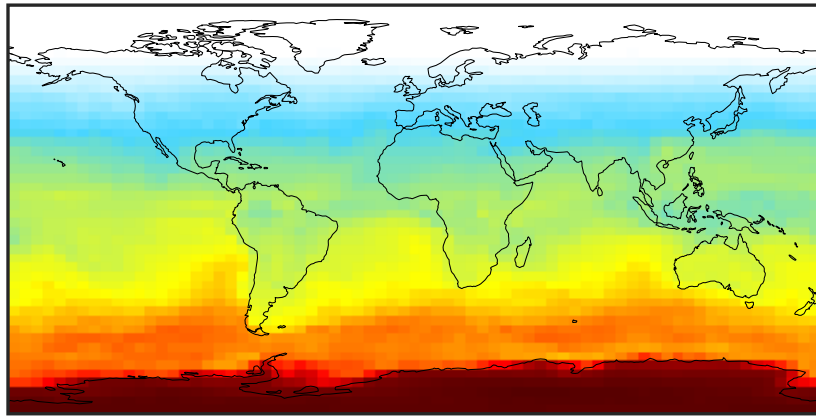


Ratio  
Dev/Ref, Fixed Range



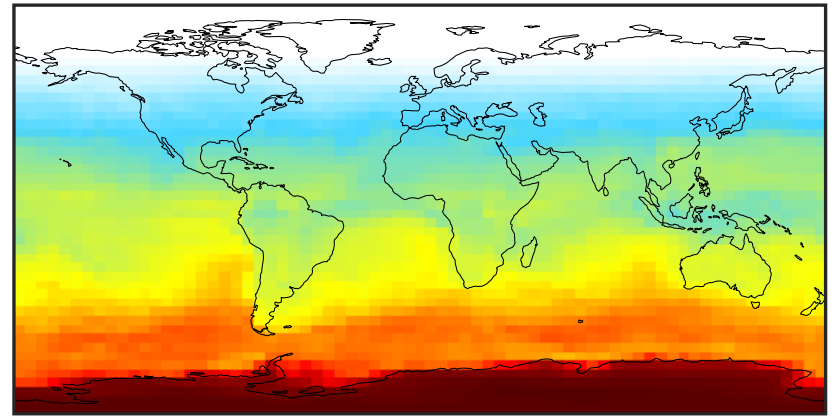
# Jval\_I2O3 (Jan2019)

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



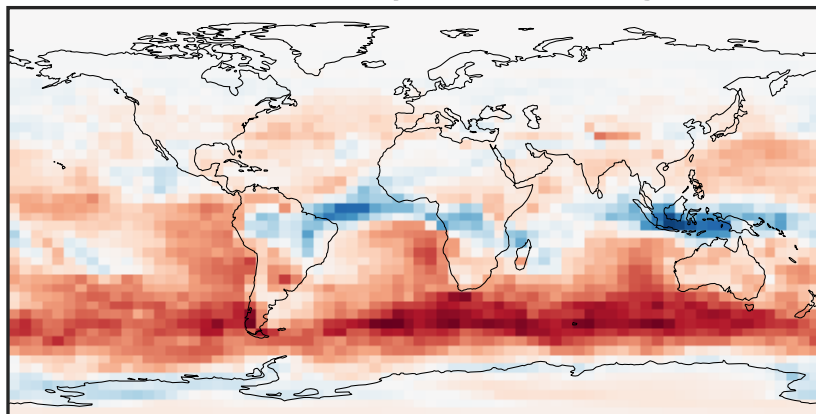
0.000 0.015 0.030 0.045  
s-1

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



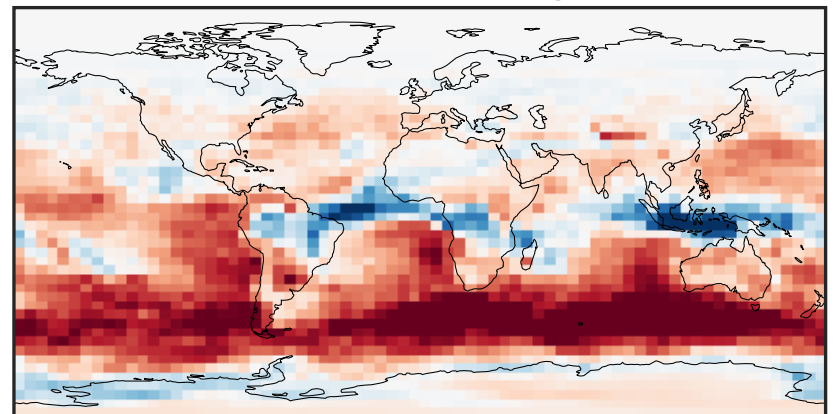
0.000 0.015 0.030 0.045  
s-1

Difference  
Dev - Ref, Dynamic Range



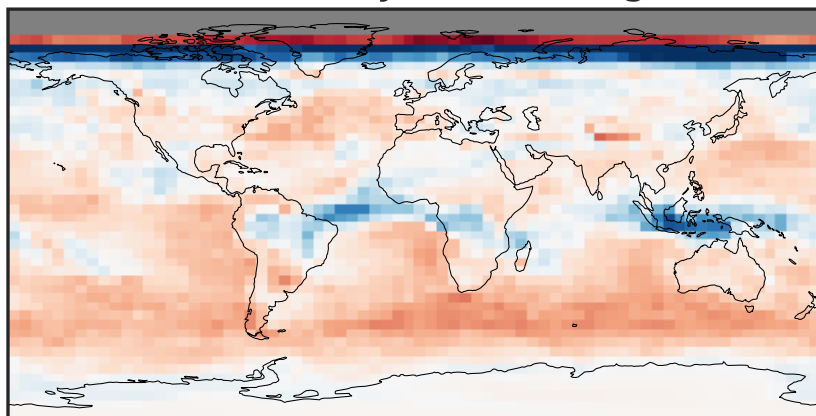
-0.0006 0.0000 0.0006  
s-1

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



-0.0004 0.0000 0.0004  
s-1

Ratio  
Dev/Ref, Dynamic Range



0.9419 0.9710 1.0000 1.0308 1.0617  
unitless

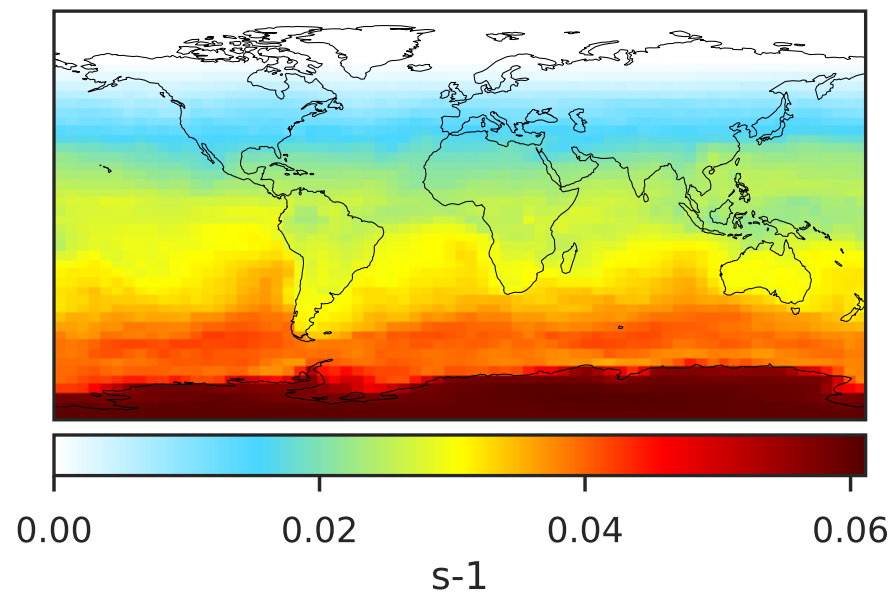
Ratio  
Dev/Ref, Fixed Range



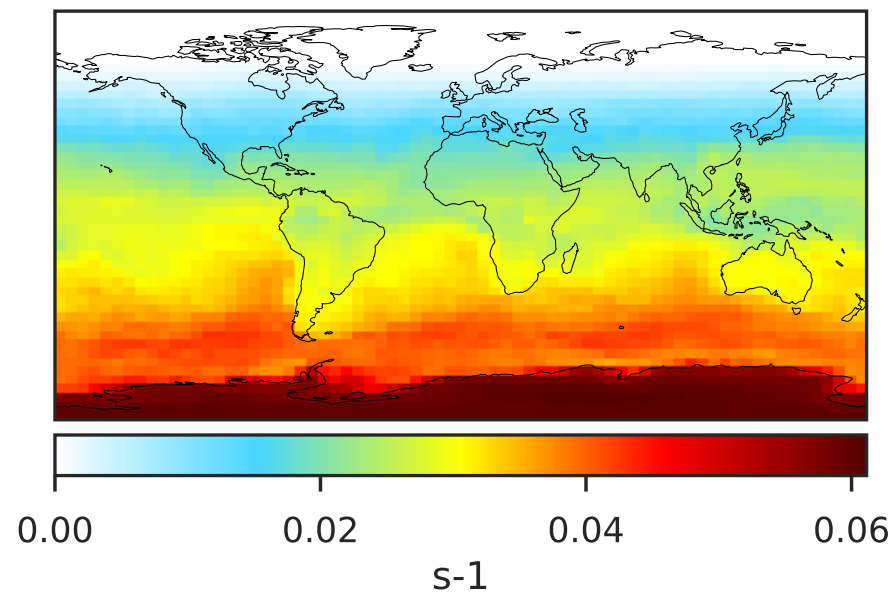
0.50 0.75 1.00 1.50 2.00  
unitless

# Jval\_I2O4 (Jan2019)

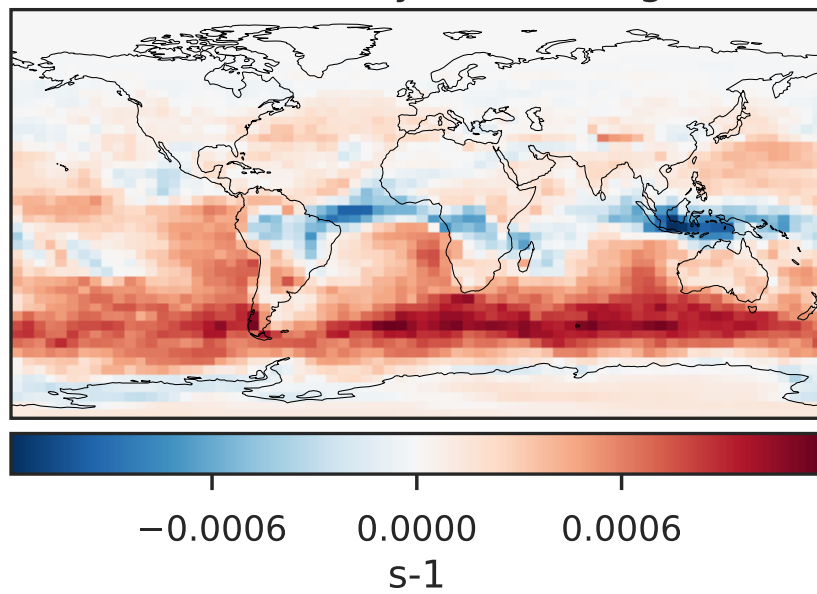
14.2.0-rc.2 (Ref)  
4.0x5.0



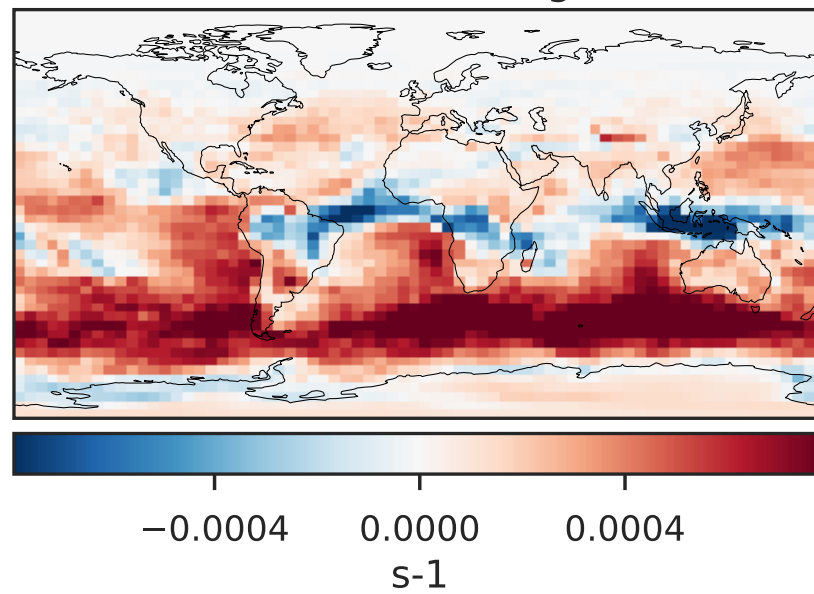
14.3.0-rc.0 (Dev)  
4.0x5.0



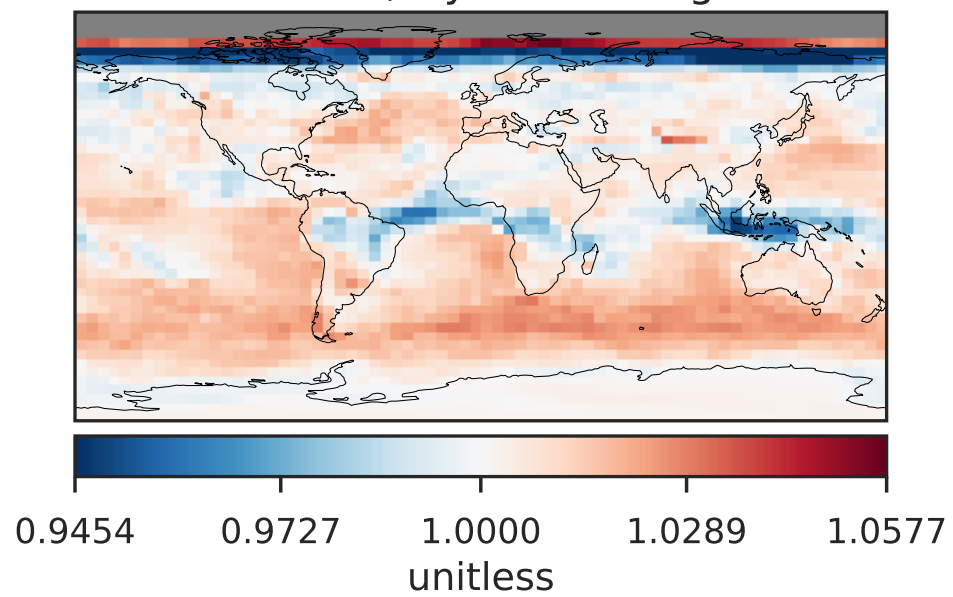
Difference  
Dev - Ref, Dynamic Range



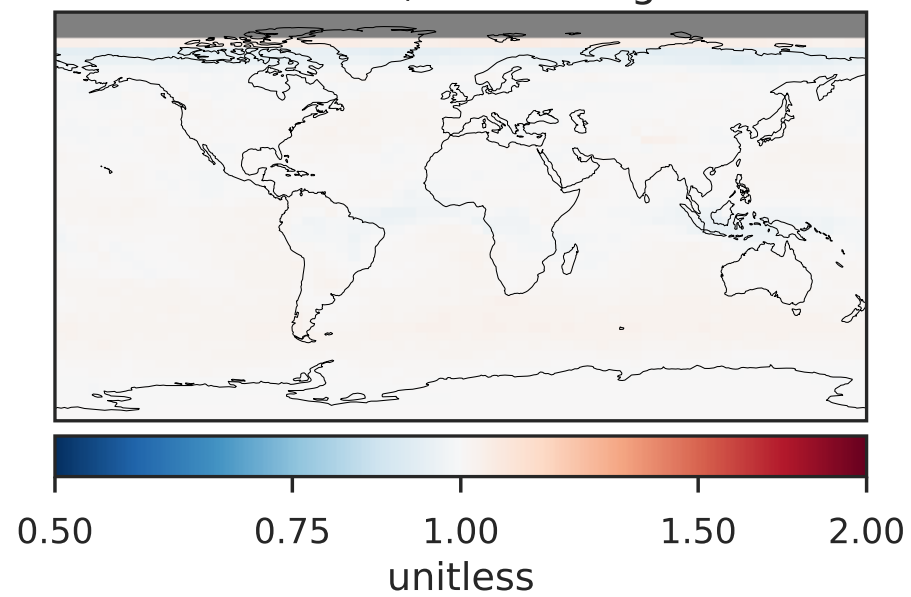
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



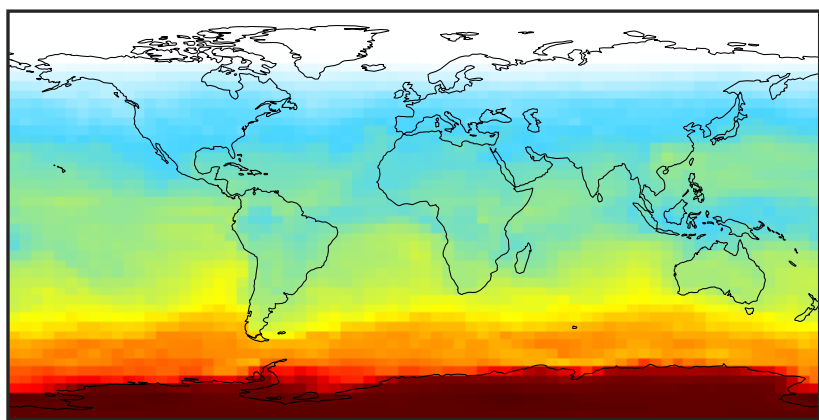
Ratio  
Dev/Ref, Fixed Range





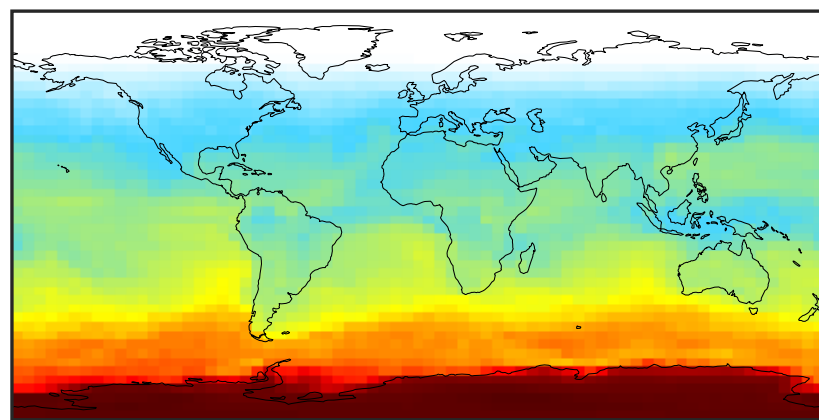
# Jval\_IBr (Jan2019)

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



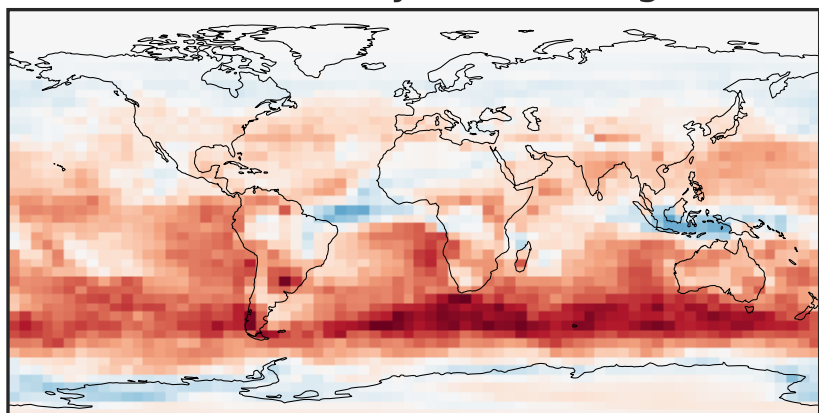
0.0000 0.0309 0.0619 0.0928 0.1238  
s-1

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



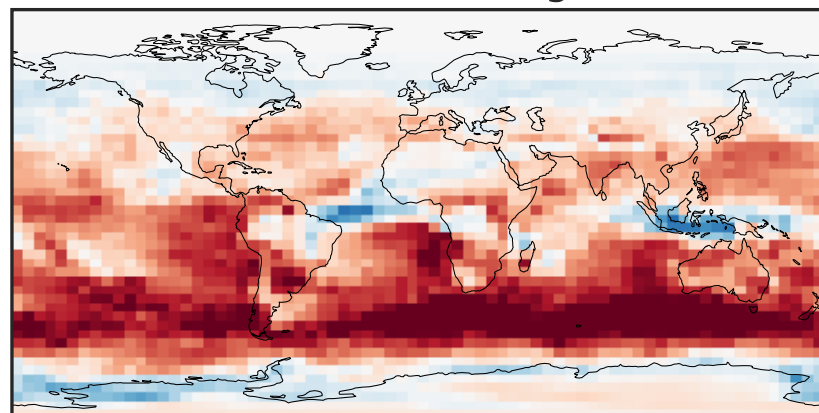
0.0000 0.0309 0.0619 0.0928 0.1238  
s-1

Difference  
Dev - Ref, Dynamic Range



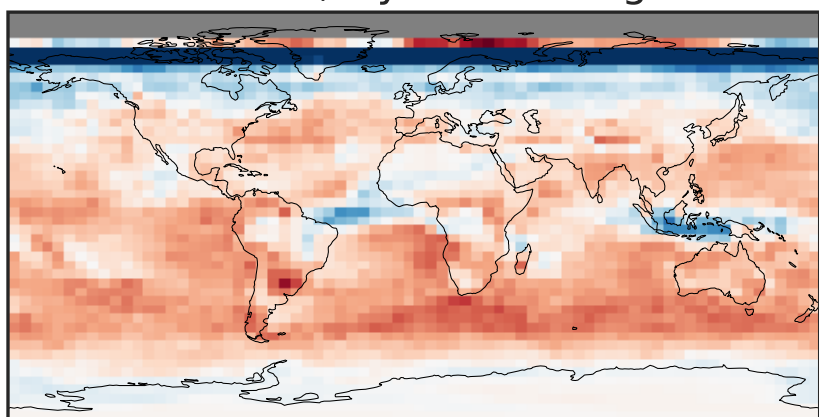
-0.0015 0.0000 0.0015  
s-1

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



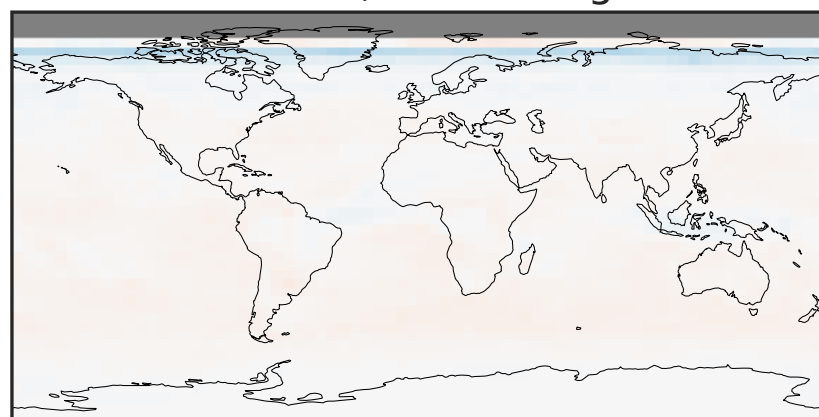
-0.001 0.000 0.001  
s-1

Ratio  
Dev/Ref, Dynamic Range



0.940 0.970 1.000 1.032 1.064  
unitless

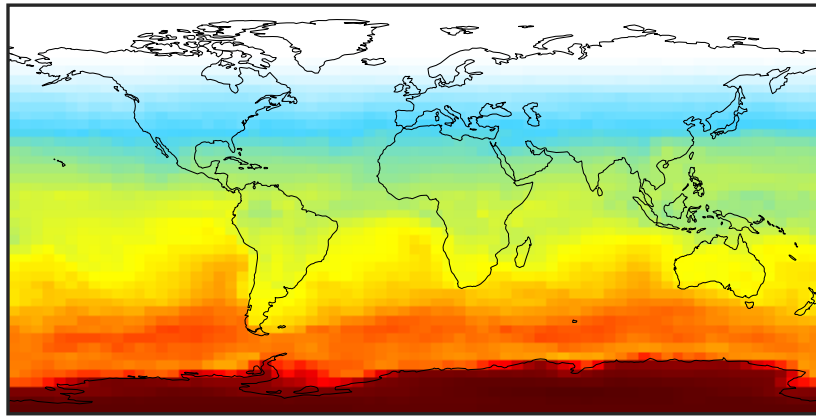
Ratio  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

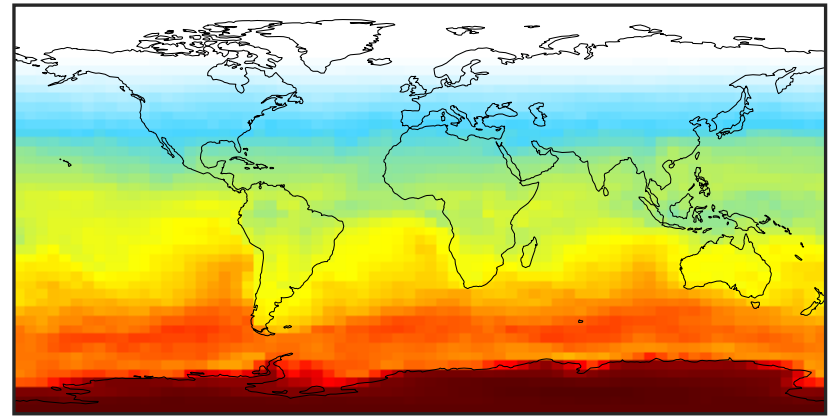
# Jval\_ICN (Jan2019)

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



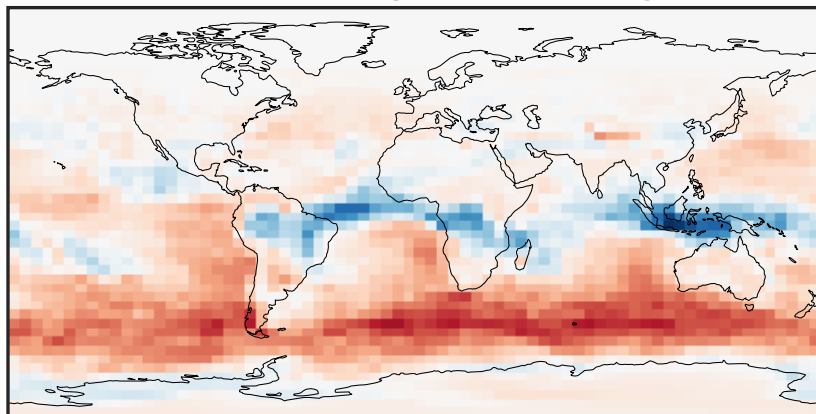
0.0000 0.0001 0.0002 0.0003  
s-1

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



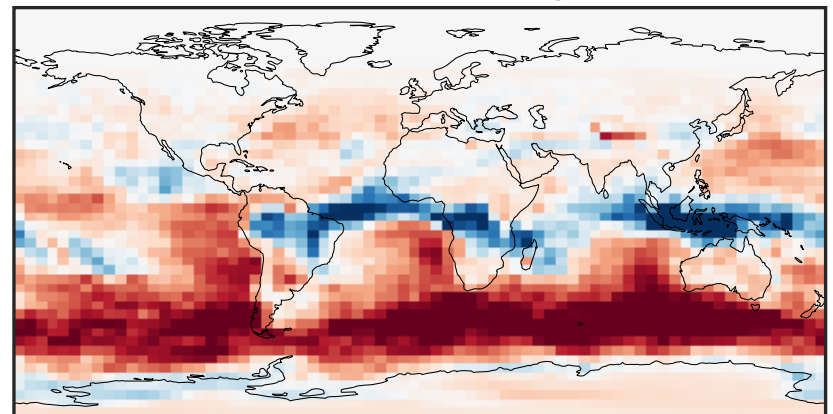
0.0000 0.0001 0.0002 0.0003  
s-1

Difference  
Dev - Ref, Dynamic Range



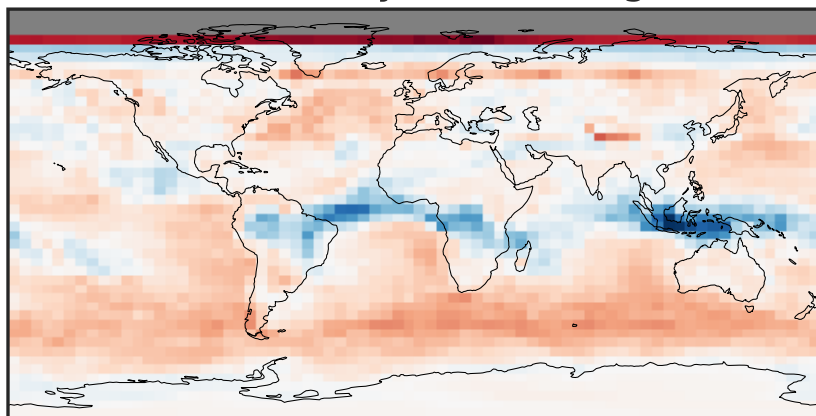
-5 0 5  
s-1 1e-6

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



-2.5 0.0 2.5  
s-1 1e-6

Ratio  
Dev/Ref, Dynamic Range



0.9457 0.9728 1.0000 1.0287 1.0575  
unitless

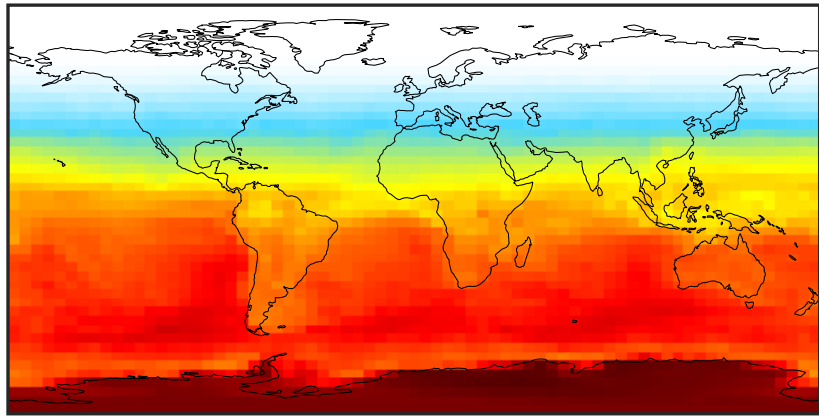
Ratio  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

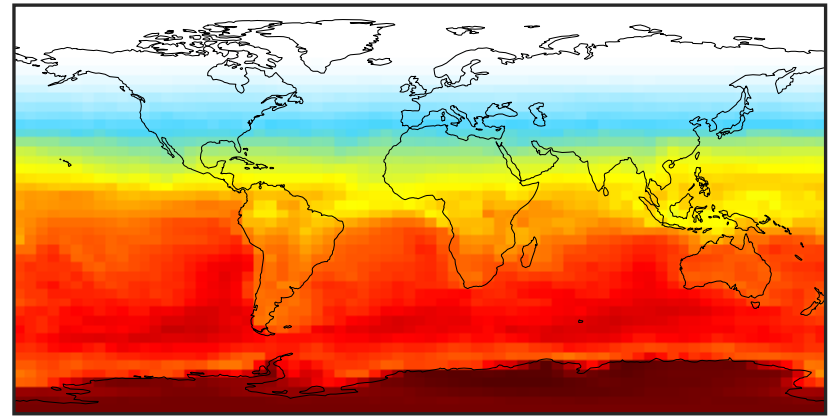
# Jval\_ICPDH (Jan2019)

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



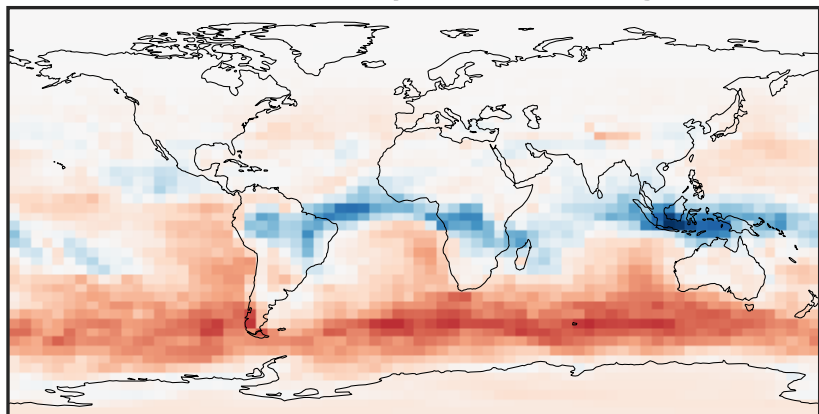
0.0 1.5 3.0 4.5  
s-1  $1e-5$

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



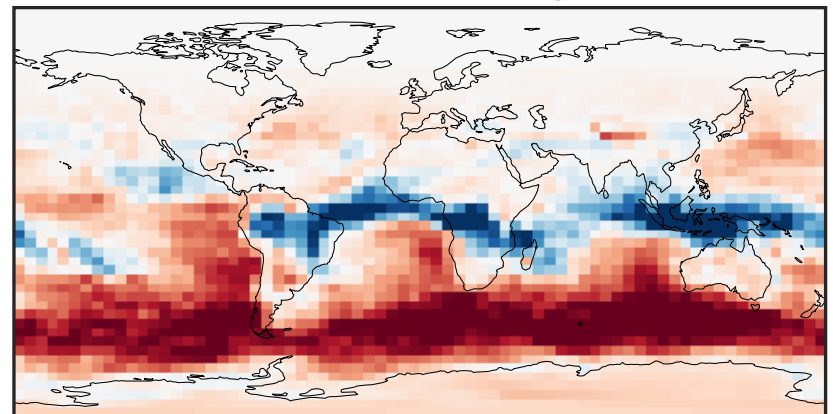
0.0 1.5 3.0 4.5  
s-1  $1e-5$

Difference  
Dev - Ref, Dynamic Range



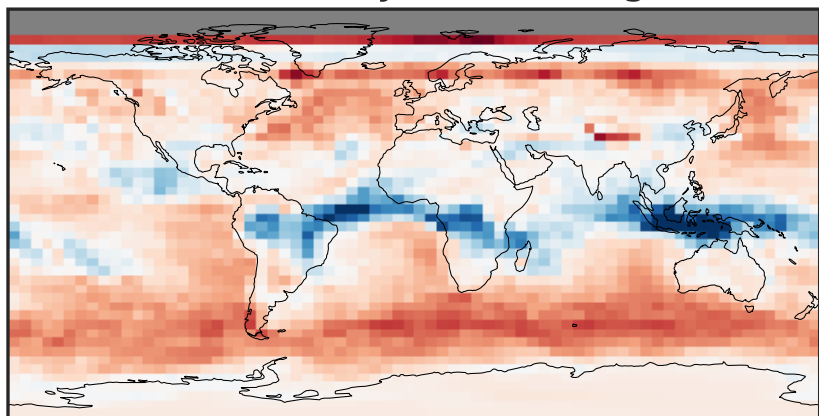
-8 0 8  
s-1  $1e-7$

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



-4 0 4  
s-1  $1e-7$

Ratio  
Dev/Ref, Dynamic Range



0.96164 0.98082 1.00000 1.01995 1.03989  
unitless

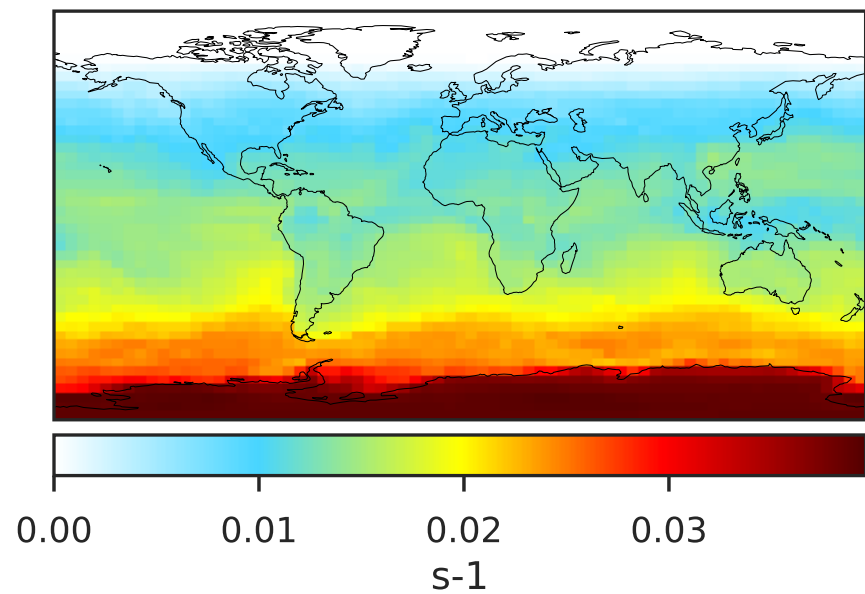
Ratio  
Dev/Ref, Fixed Range



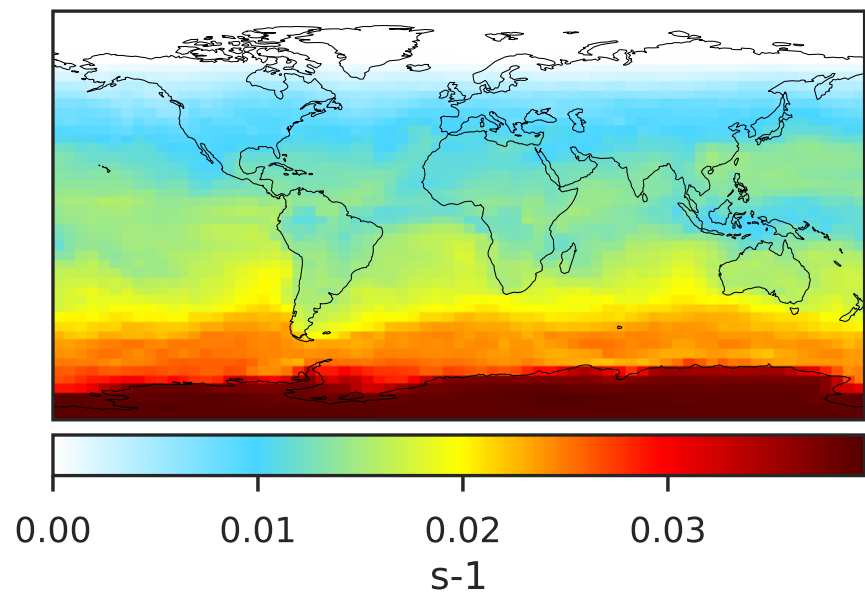
0.50 0.75 1.00 1.50 2.00  
unitless

# Jval\_ICI (Jan2019)

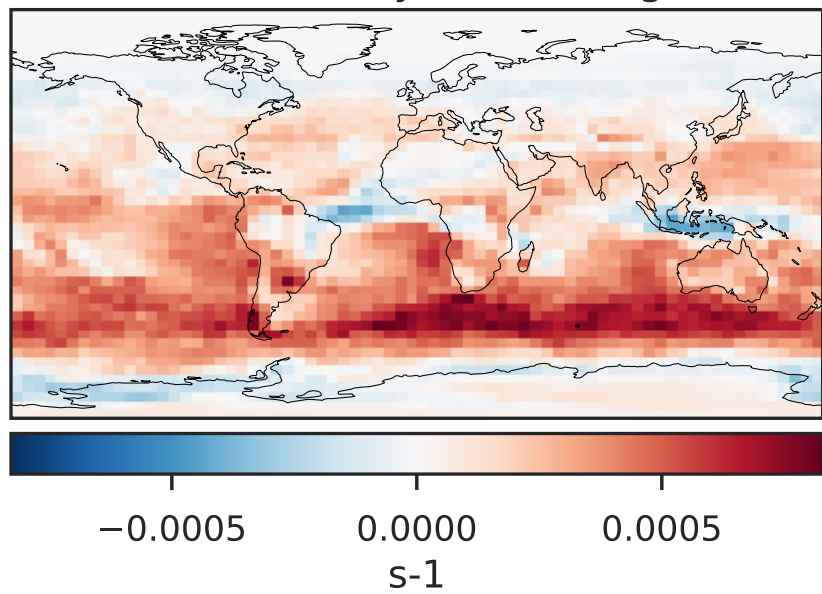
14.2.0-rc.2 (Ref)  
4.0x5.0



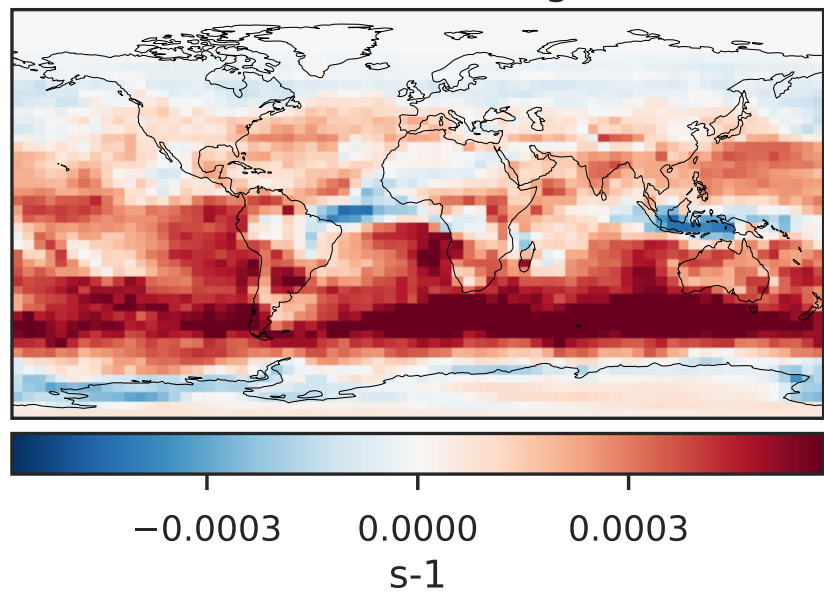
14.3.0-rc.0 (Dev)  
4.0x5.0



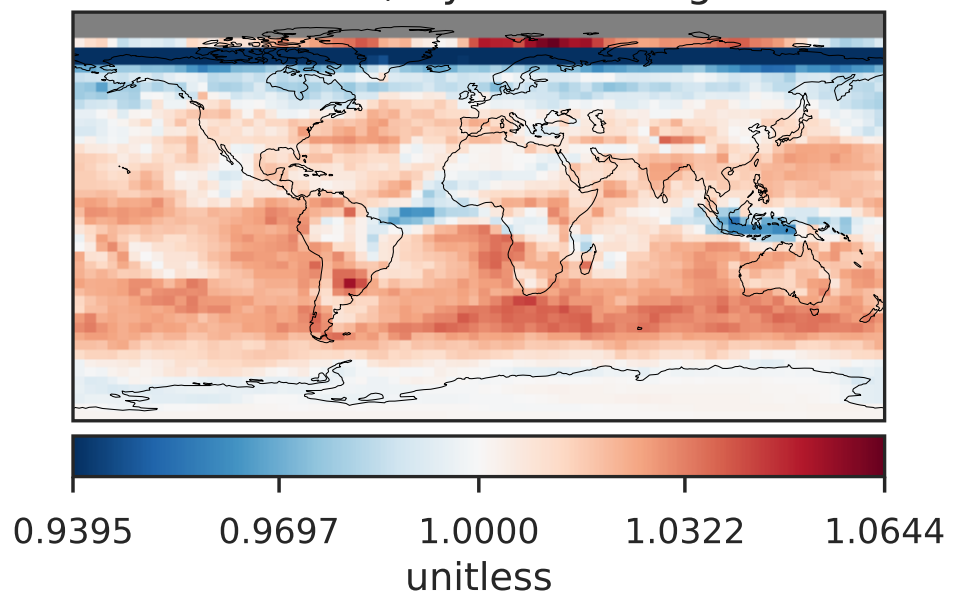
Difference  
Dev - Ref, Dynamic Range



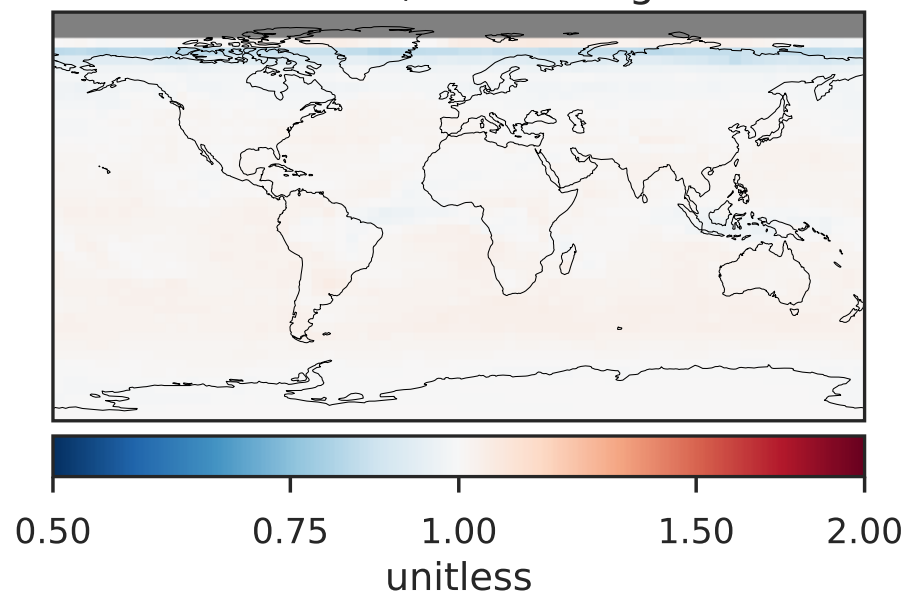
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



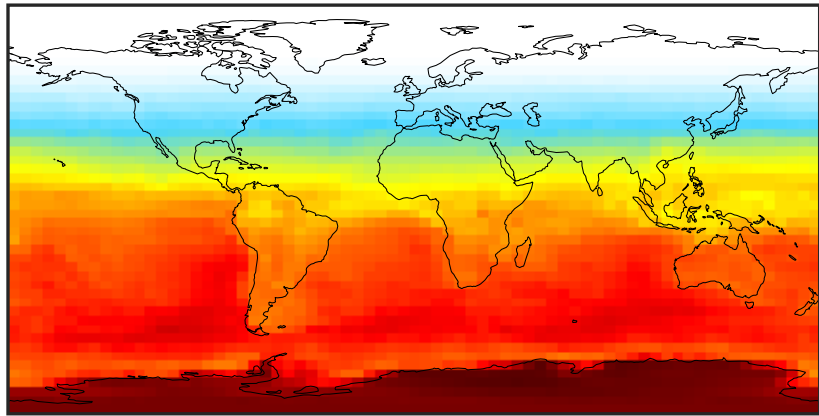
Ratio  
Dev/Ref, Fixed Range





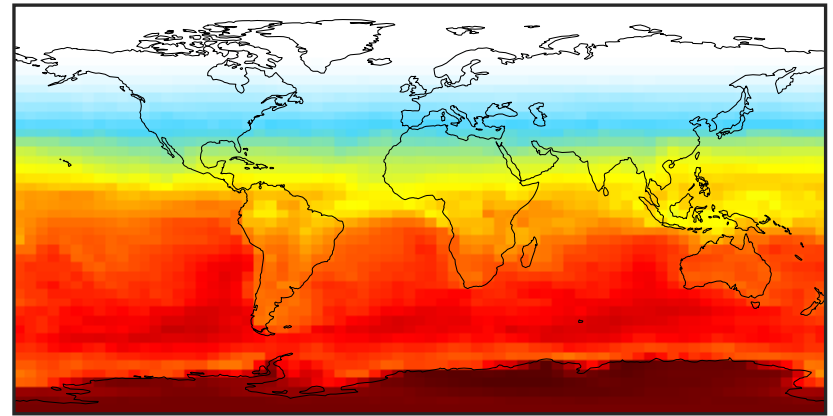
# Jval\_IDCHP (Jan2019)

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



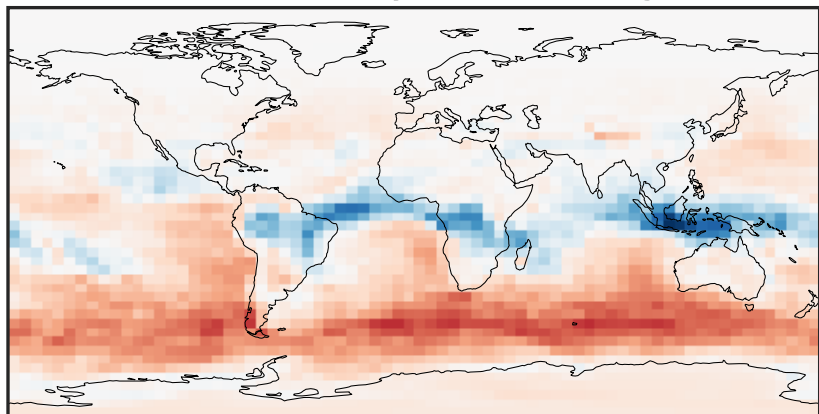
0.0 1.5 3.0 4.5  
s-1  $1e-5$

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



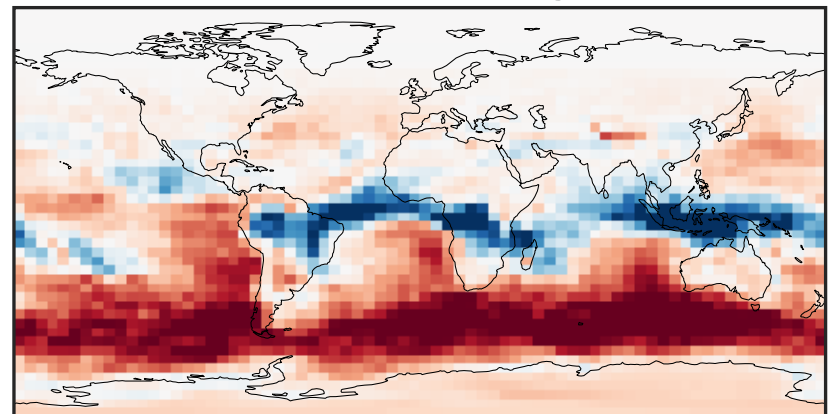
0.0 1.5 3.0 4.5  
s-1  $1e-5$

Difference  
Dev - Ref, Dynamic Range



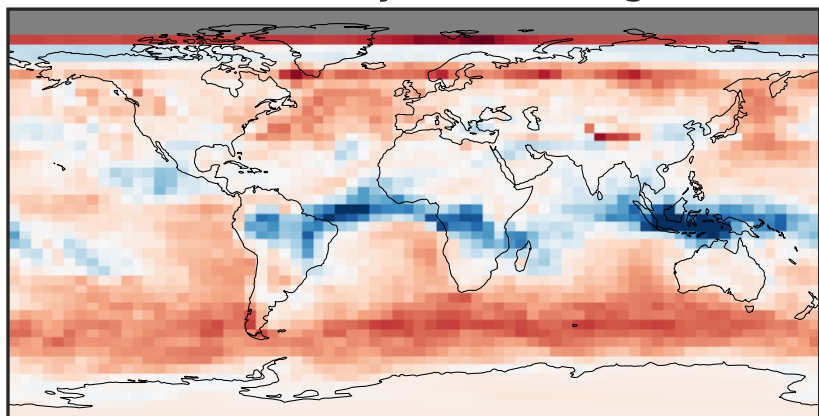
-8 0 8  
s-1  $1e-7$

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



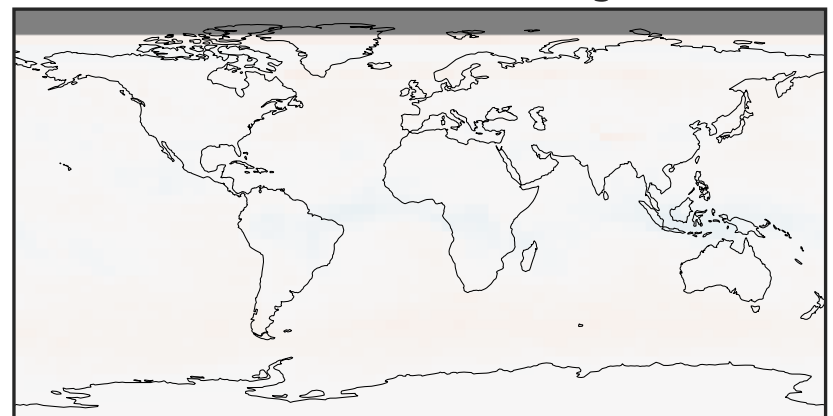
-4 0 4  
s-1  $1e-7$

Ratio  
Dev/Ref, Dynamic Range



0.96169 0.98085 1.00000 1.01992 1.03983  
unitless

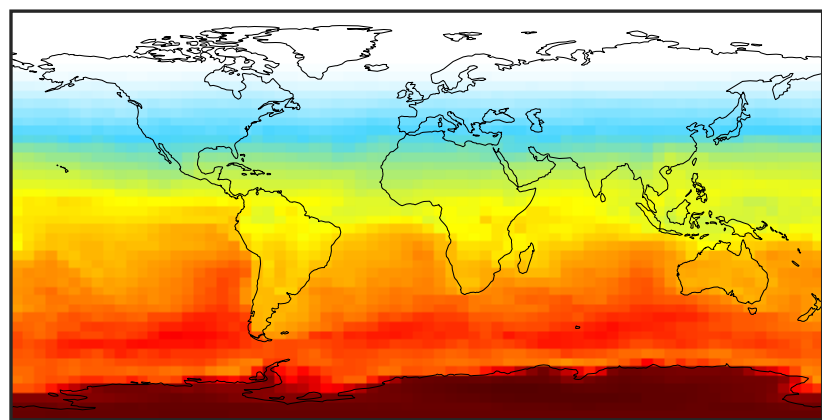
Ratio  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

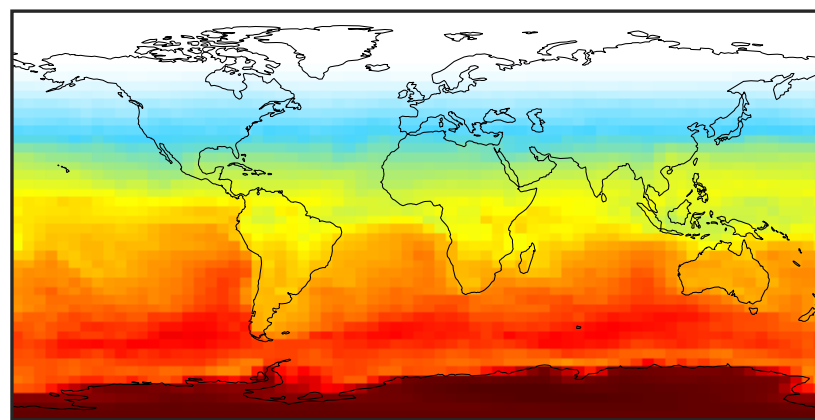
# Jval\_IDHDP (Jan2019)

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



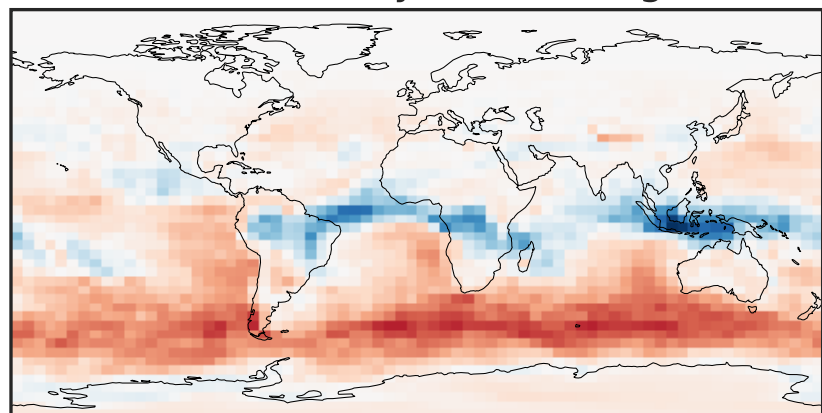
0.0 0.4 0.8 1.2  
s-1  $1e-5$

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



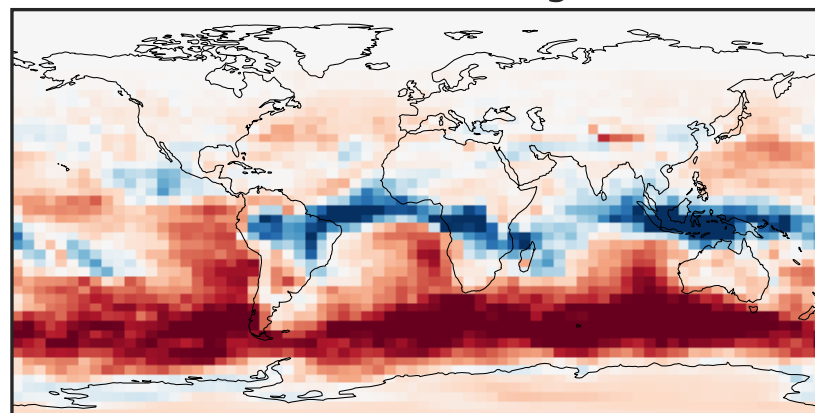
0.0 0.4 0.8 1.2  
s-1  $1e-5$

Difference  
Dev - Ref, Dynamic Range



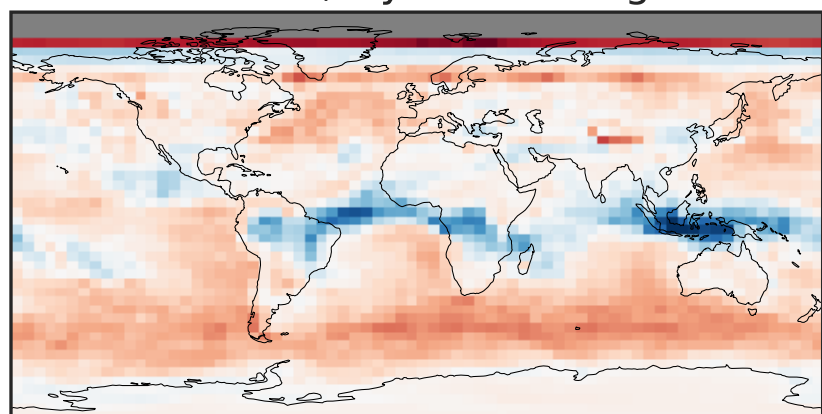
-2 0 2  
s-1  $1e-7$

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



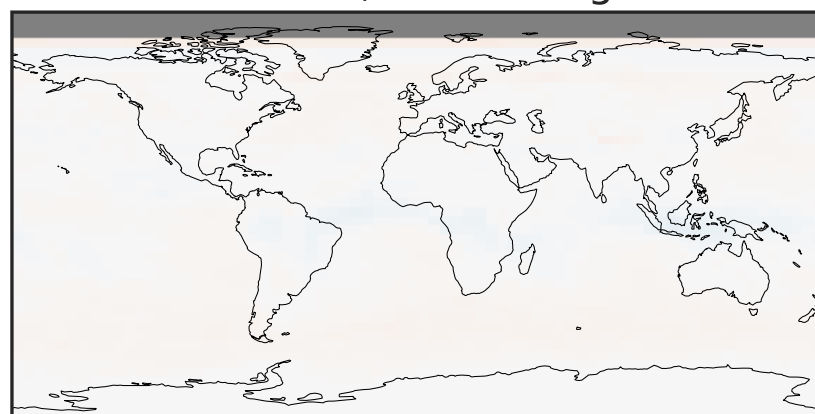
-1 0 1  
s-1  $1e-7$

Ratio  
Dev/Ref, Dynamic Range



0.95142 0.97571 1.00000 1.02553 1.05106  
unitless

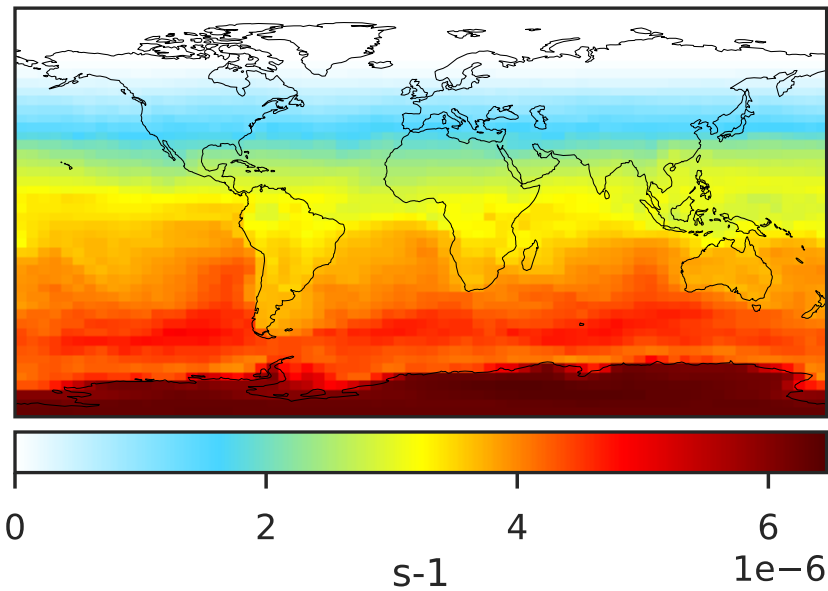
Ratio  
Dev/Ref, Fixed Range



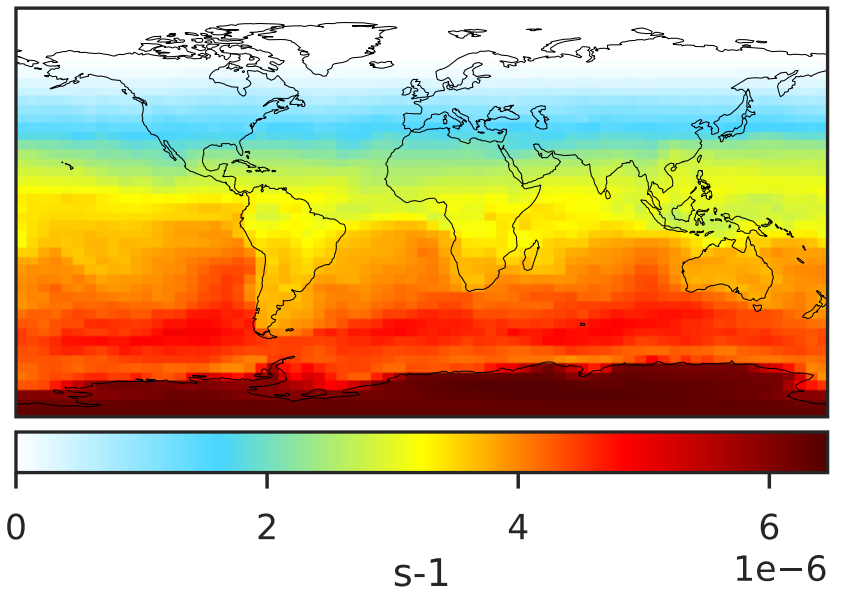
0.50 0.75 1.00 1.50 2.00  
unitless

# Jval\_IDHPE (Jan2019)

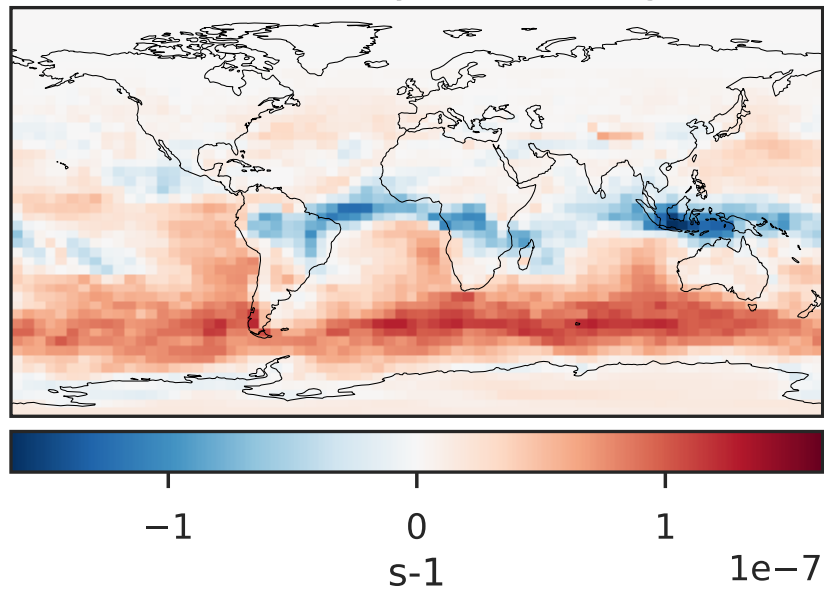
14.2.0-rc.2 (Ref)  
4.0x5.0



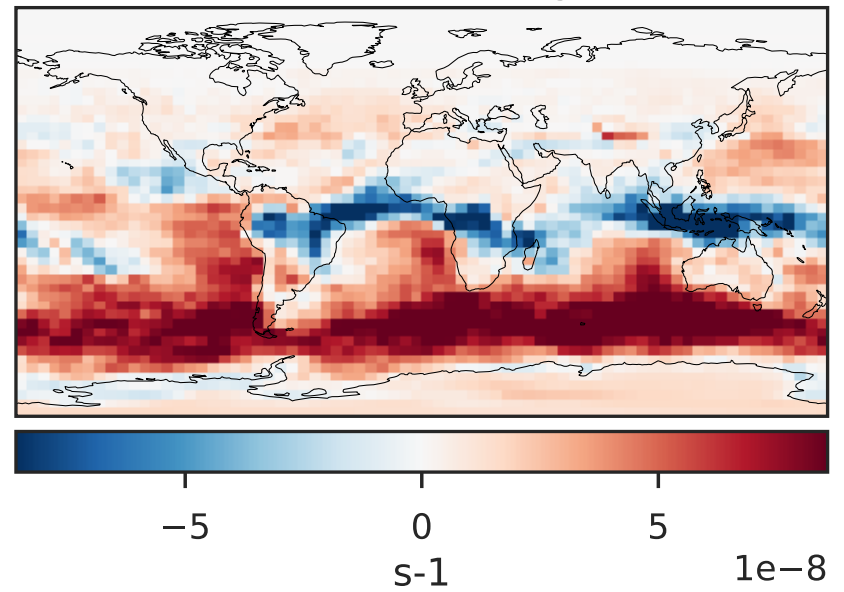
14.3.0-rc.0 (Dev)  
4.0x5.0



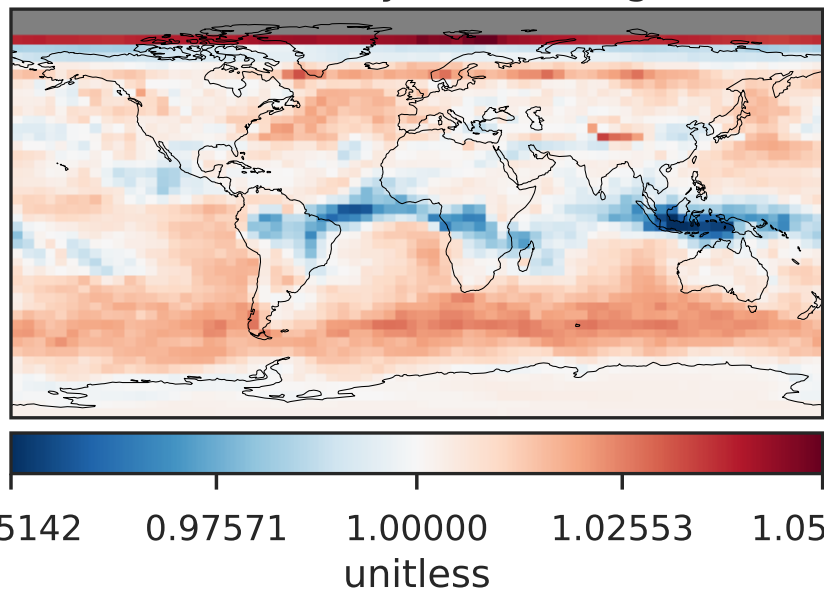
Difference  
Dev - Ref, Dynamic Range



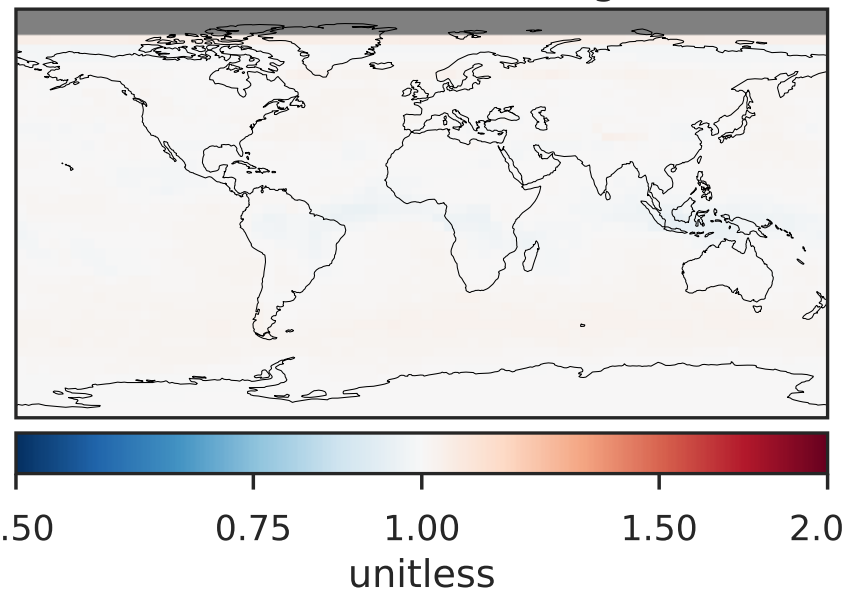
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

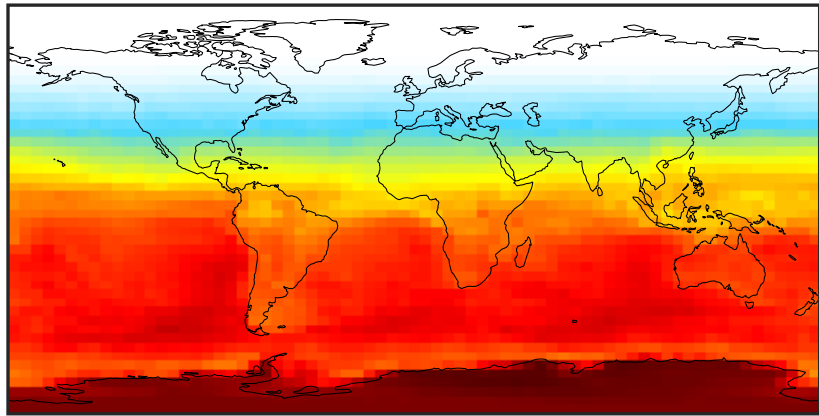


Ratio  
Dev/Ref, Fixed Range



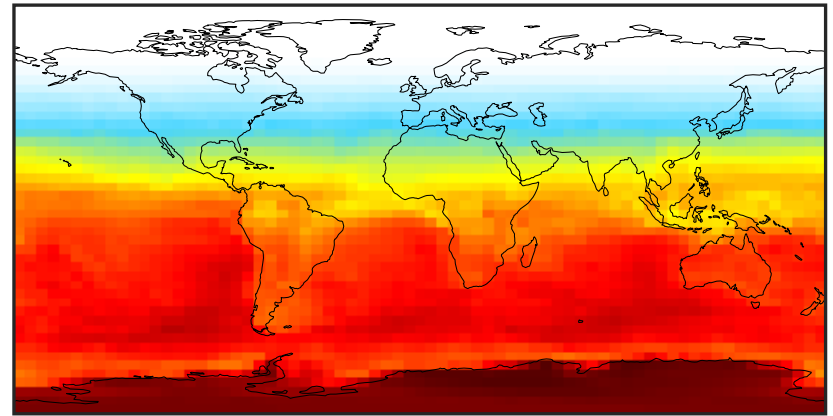
# Jval\_IDN (Jan2019)

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



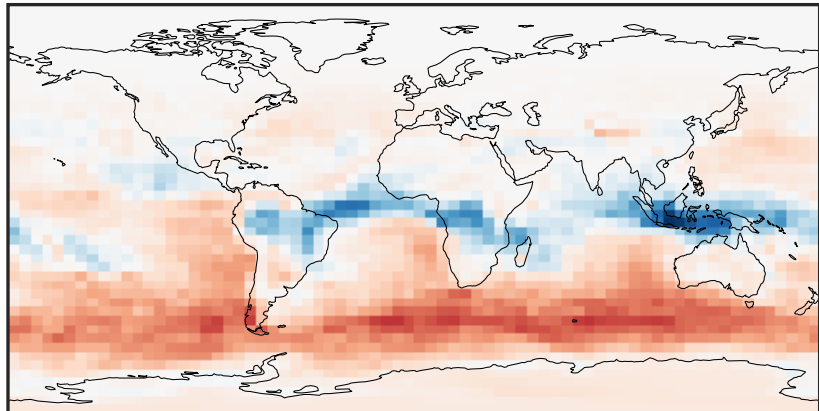
0.0 1.5 3.0 4.5  
s-1  $1e-6$

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



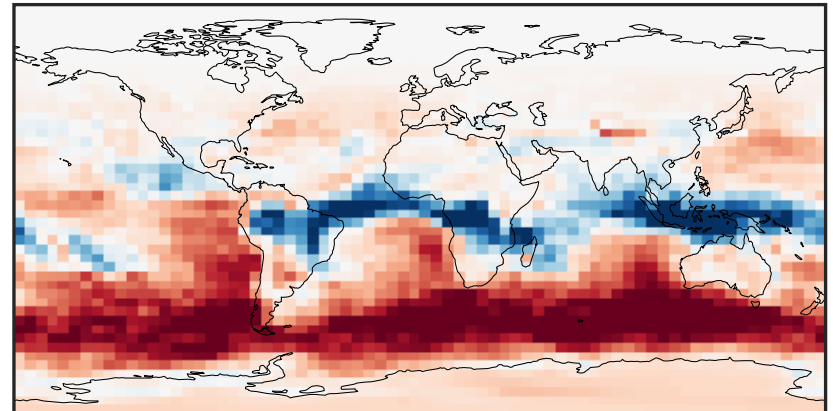
0.0 1.5 3.0 4.5  
s-1  $1e-6$

Difference  
Dev - Ref, Dynamic Range



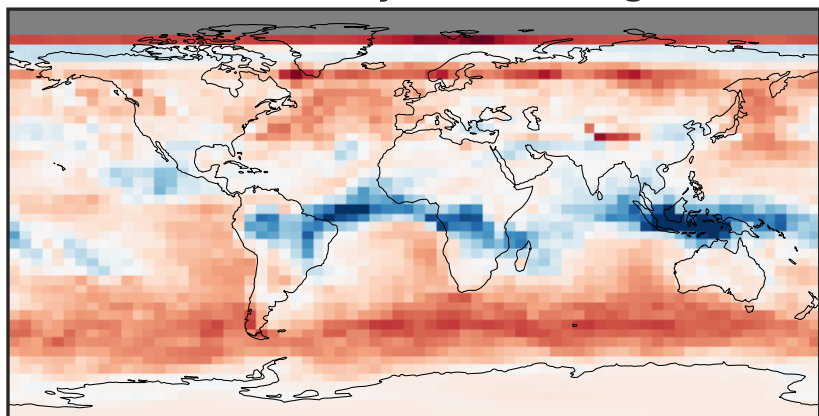
-8 0 8  
s-1  $1e-8$

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



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

Ratio  
Dev/Ref, Dynamic Range



0.96165 0.98083 1.00000 1.01994 1.03988  
unitless

Ratio  
Dev/Ref, Fixed Range

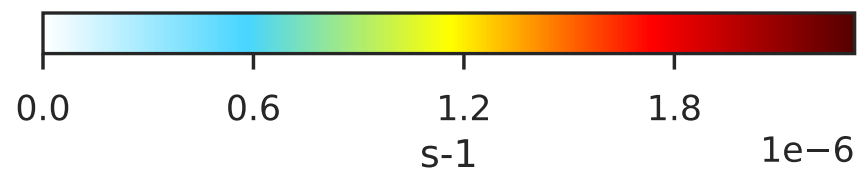
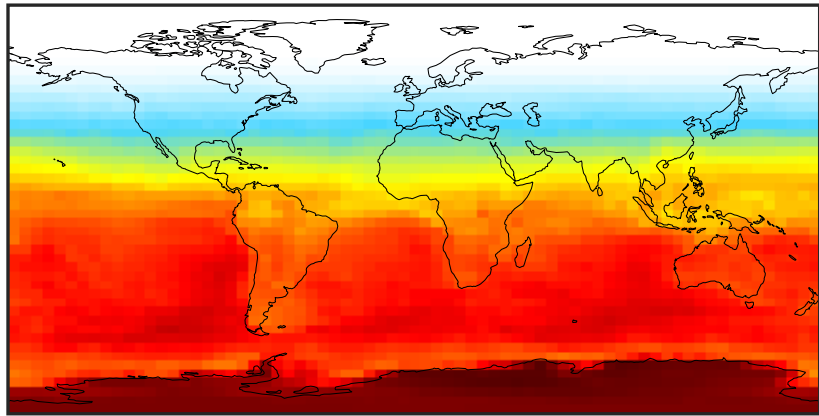


0.50 0.75 1.00 1.50 2.00  
unitless

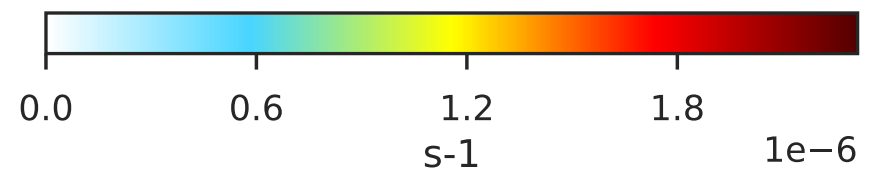
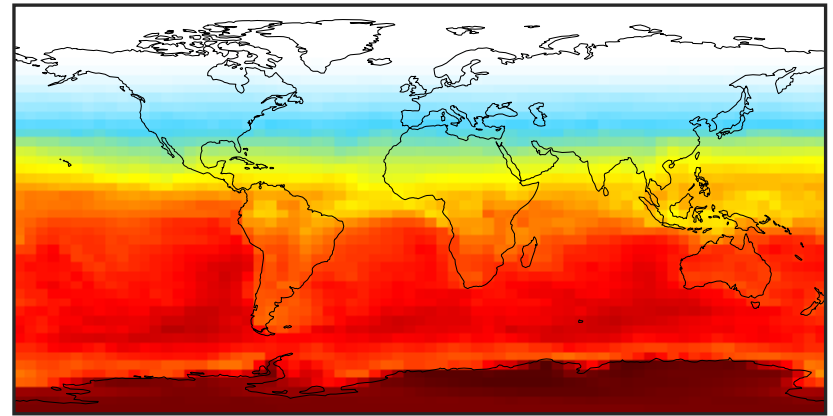


# Jval\_IHN1 (Jan2019)

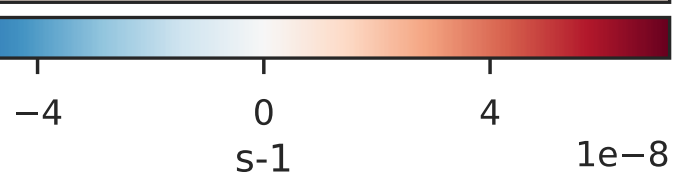
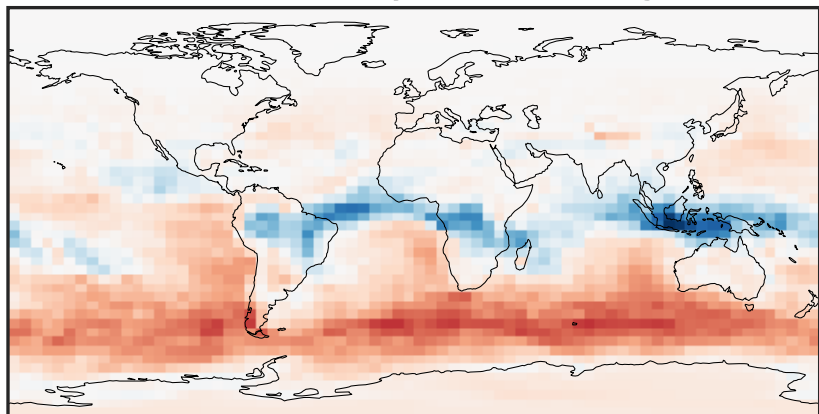
14.2.0-rc.2 (Ref)  
4.0x5.0



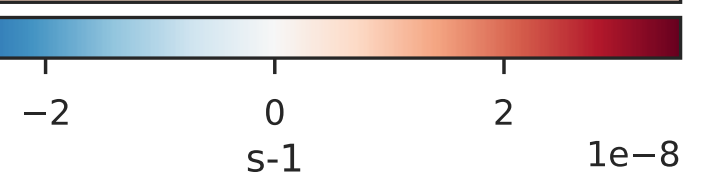
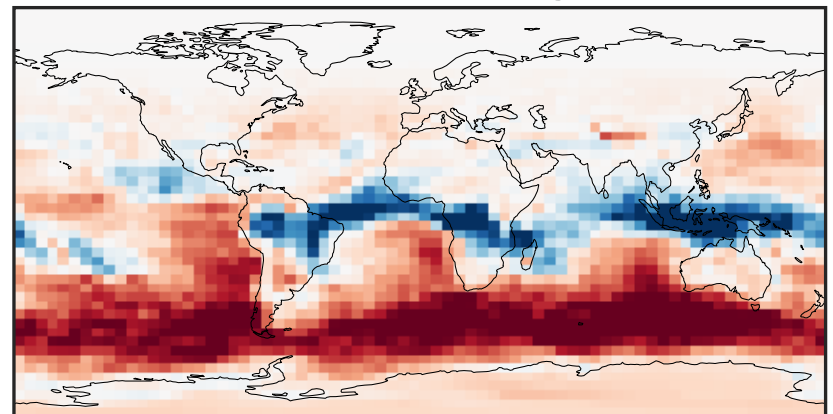
14.3.0-rc.0 (Dev)  
4.0x5.0



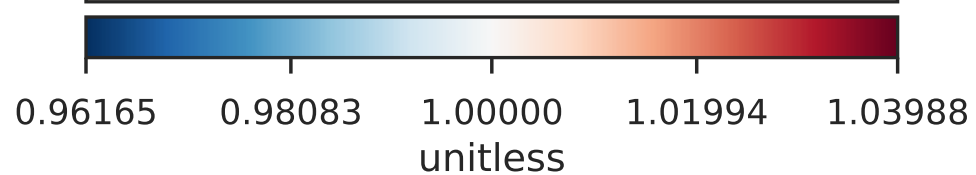
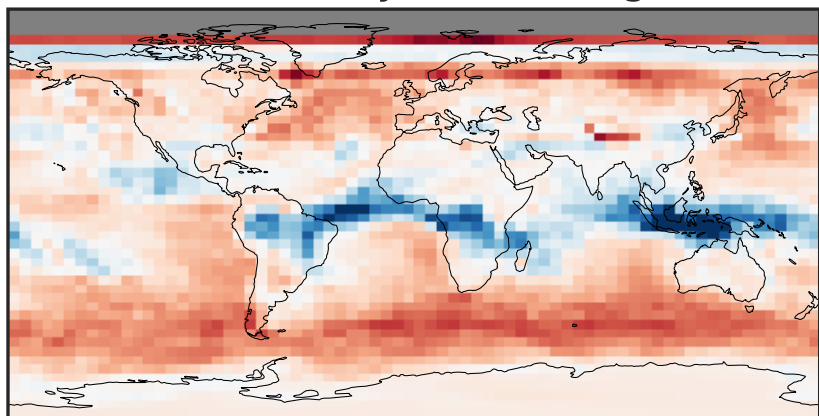
Difference  
Dev - Ref, Dynamic Range



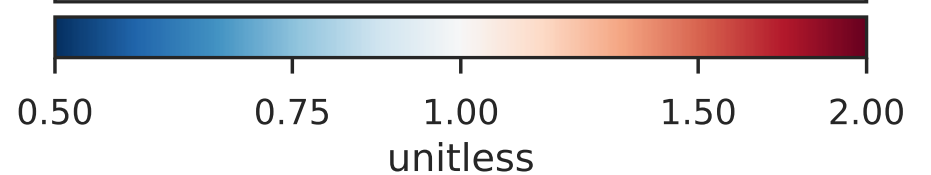
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

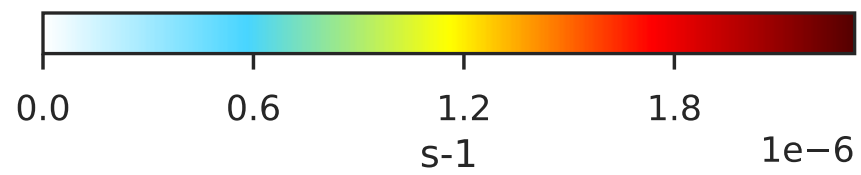
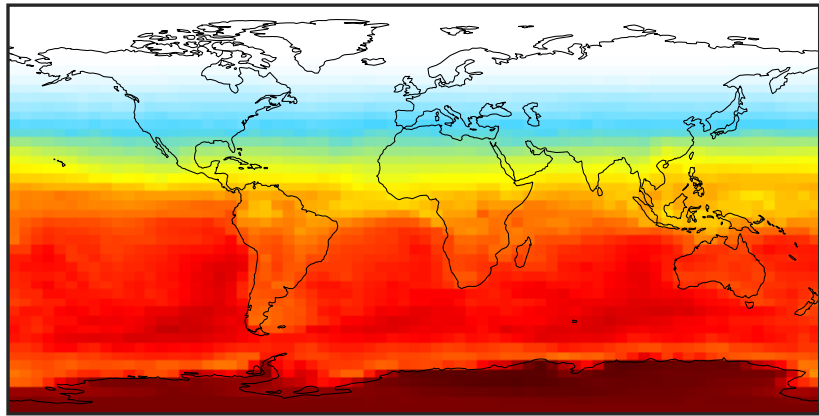


Ratio  
Dev/Ref, Fixed Range

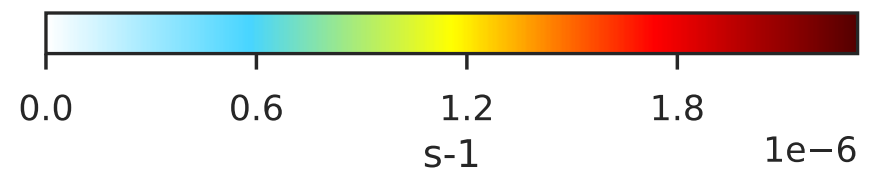
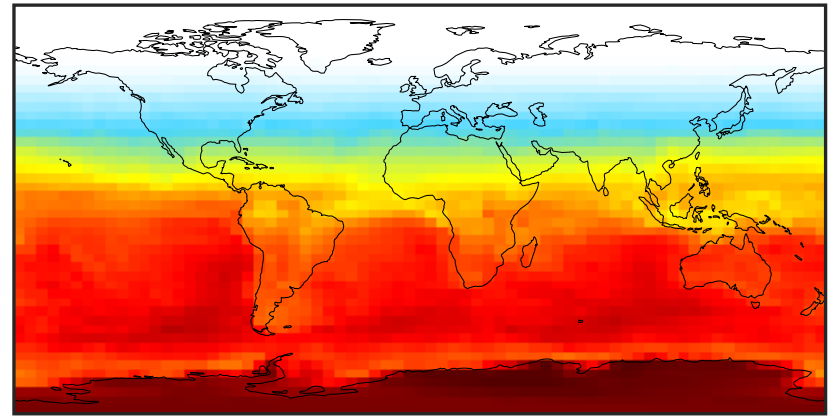


# Jval\_IHN2 (Jan2019)

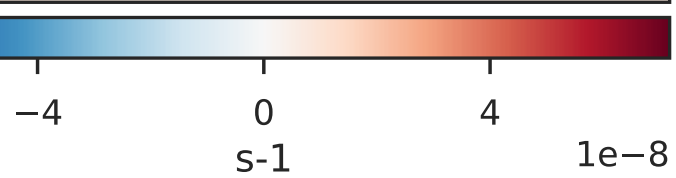
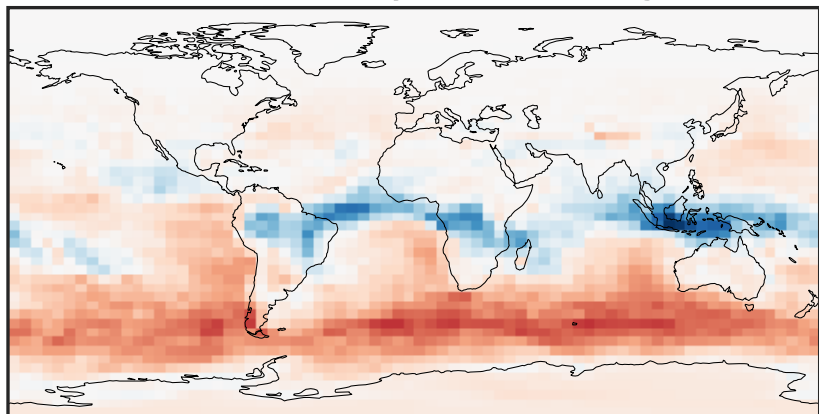
14.2.0-rc.2 (Ref)  
4.0x5.0



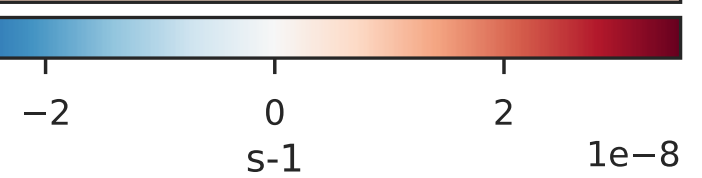
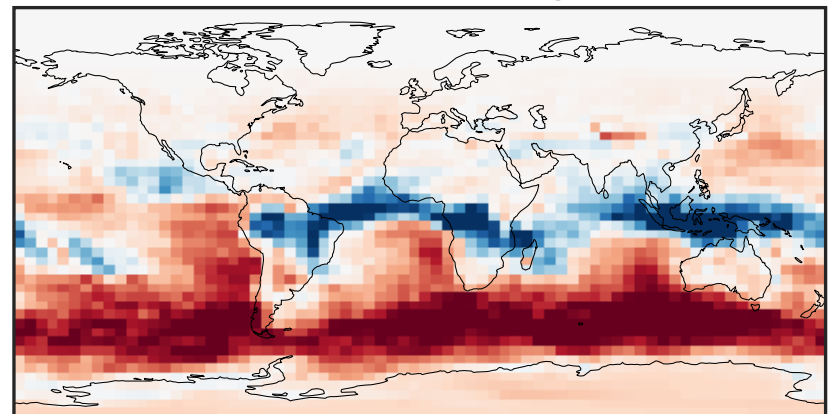
14.3.0-rc.0 (Dev)  
4.0x5.0



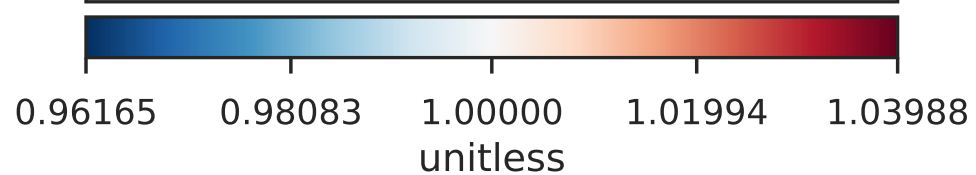
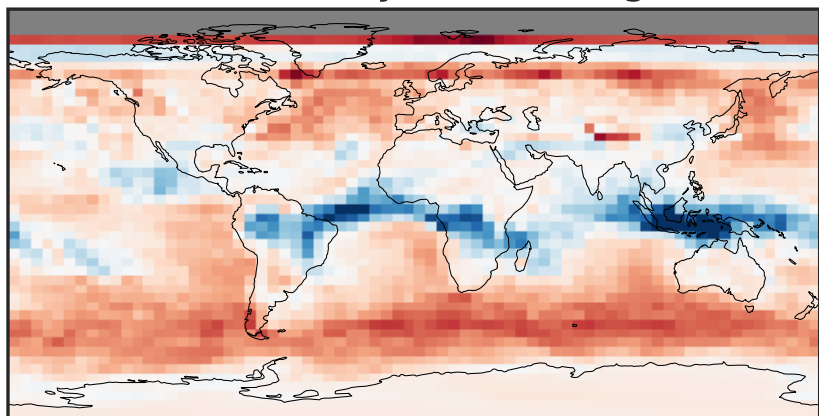
Difference  
Dev - Ref, Dynamic Range



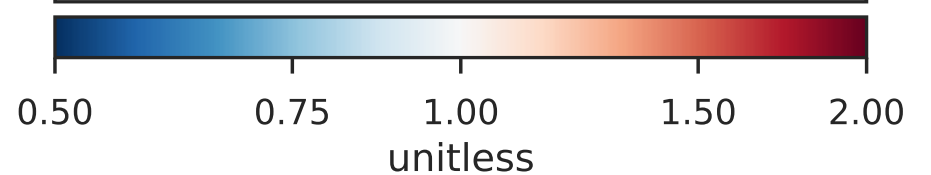
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

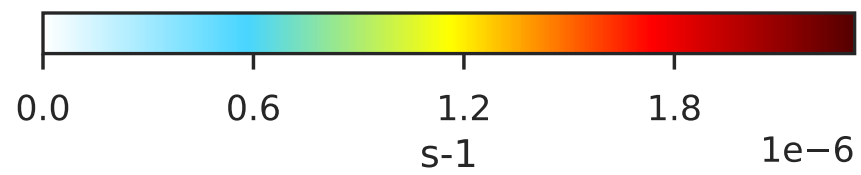
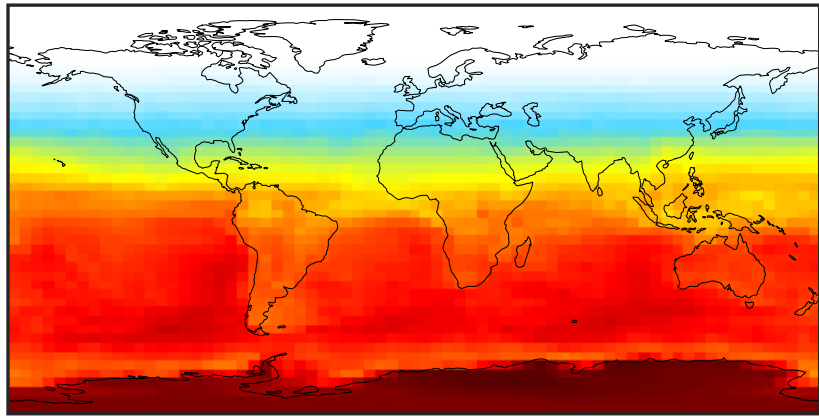


Ratio  
Dev/Ref, Fixed Range

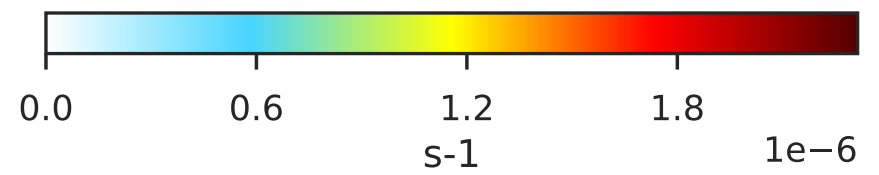
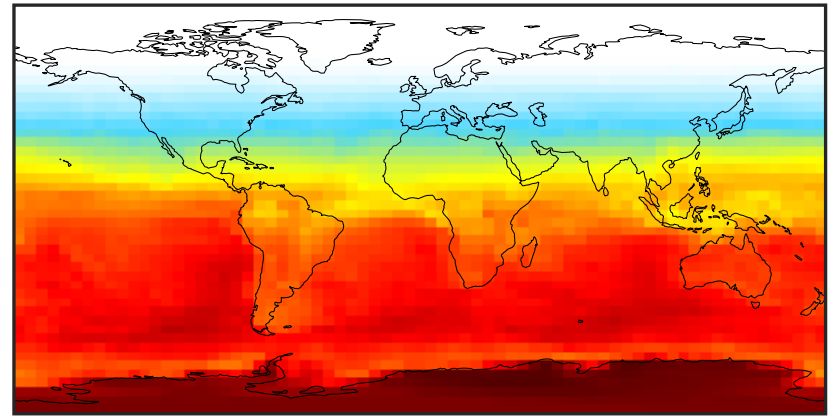


# Jval\_IHN3 (Jan2019)

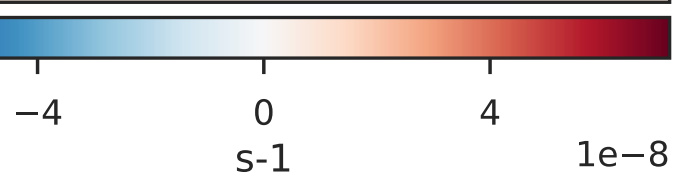
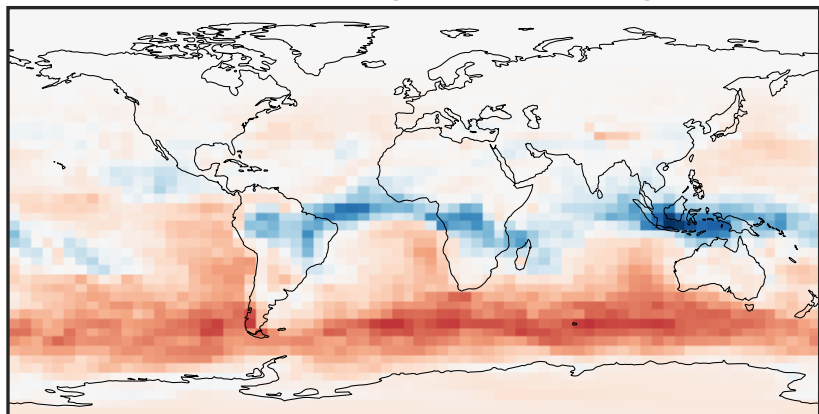
14.2.0-rc.2 (Ref)  
4.0x5.0



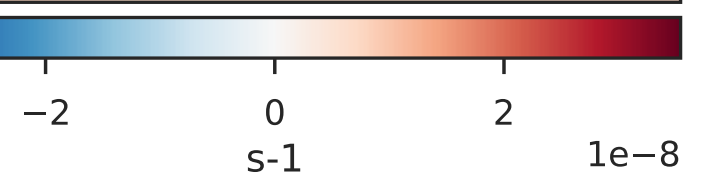
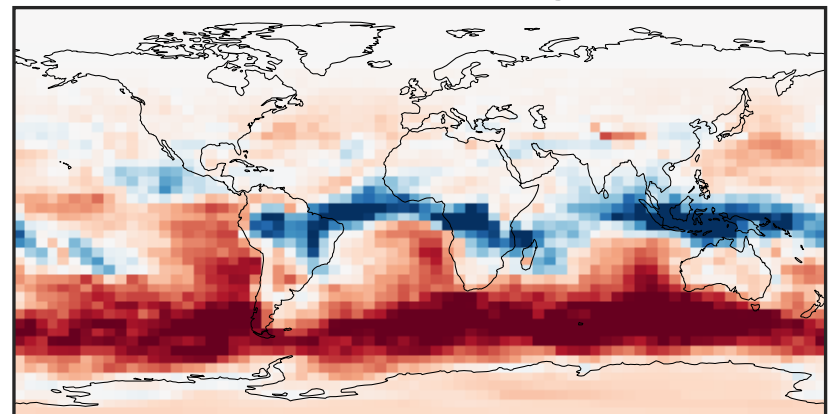
14.3.0-rc.0 (Dev)  
4.0x5.0



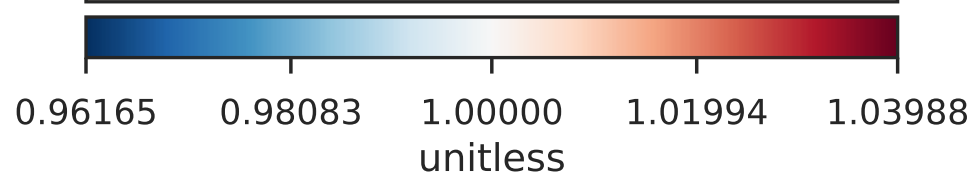
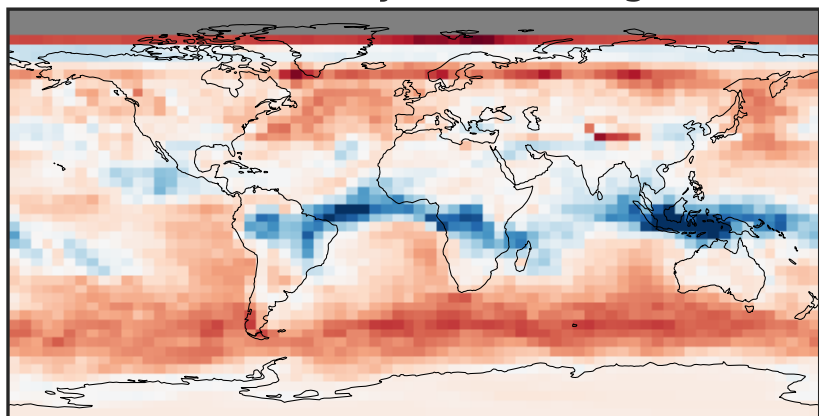
Difference  
Dev - Ref, Dynamic Range



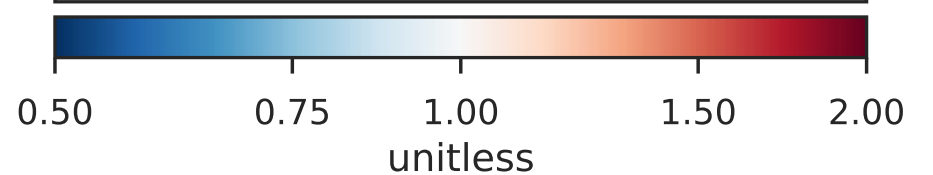
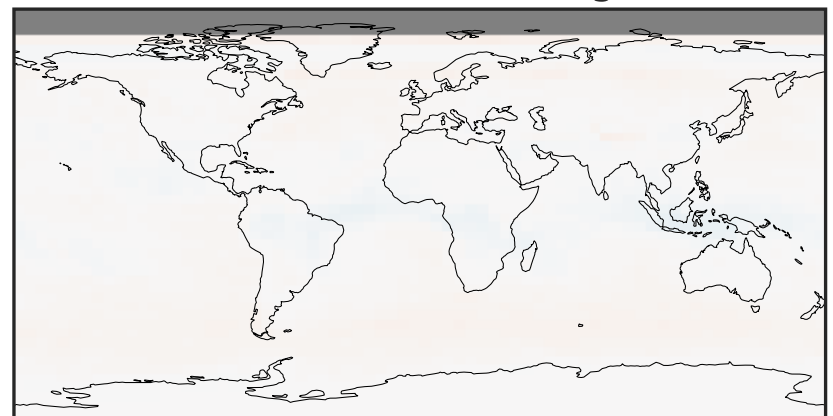
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

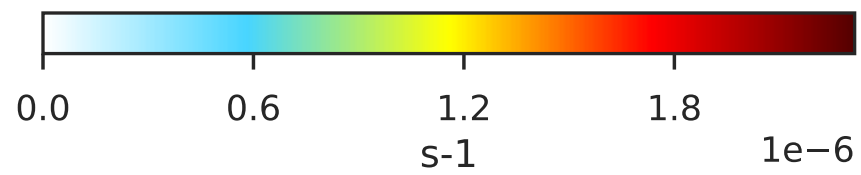
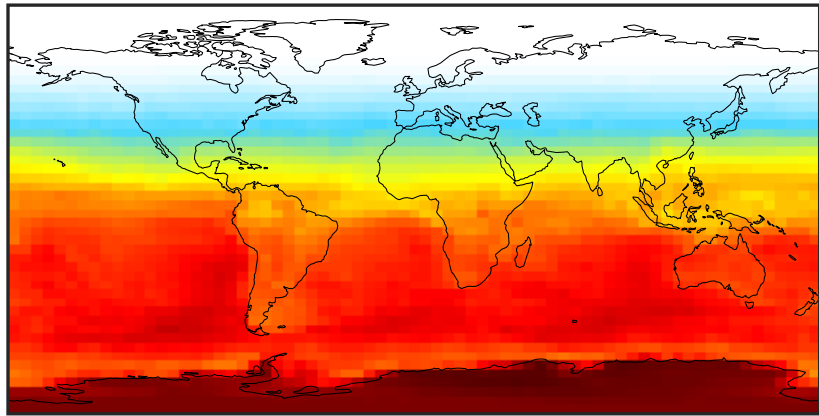


Ratio  
Dev/Ref, Fixed Range

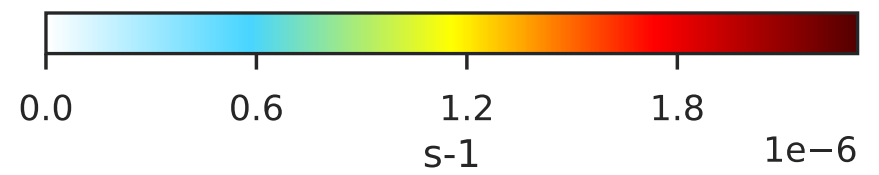
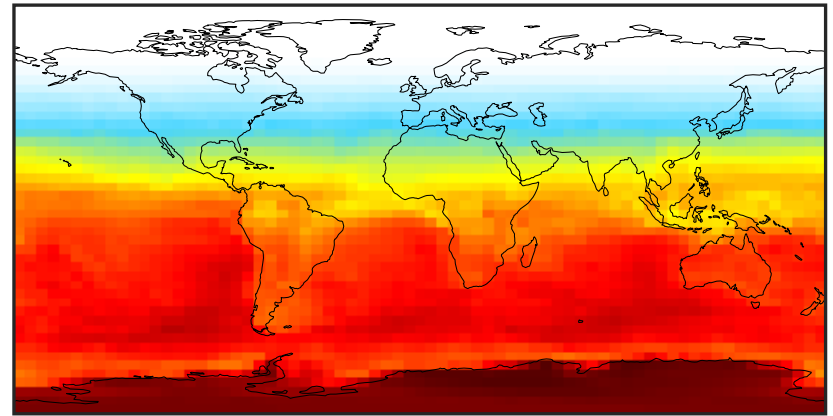


# Jval\_IHN4 (Jan2019)

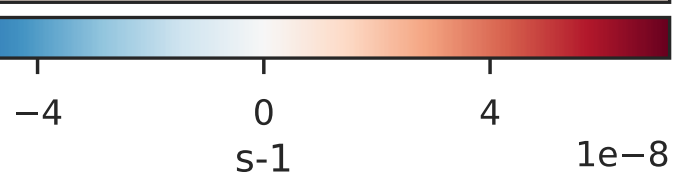
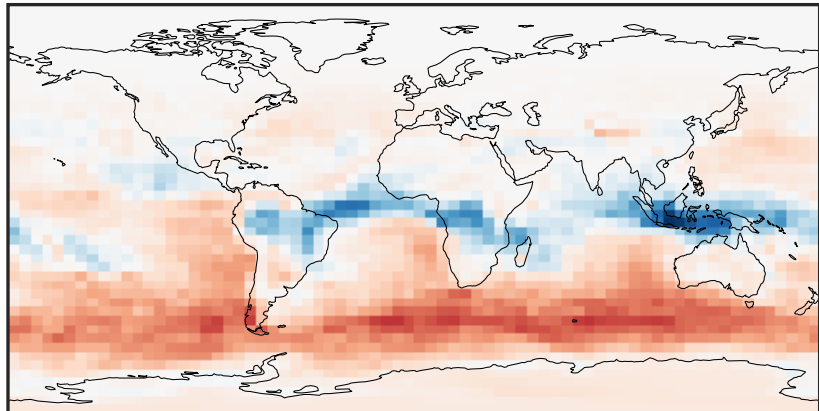
14.2.0-rc.2 (Ref)  
4.0x5.0



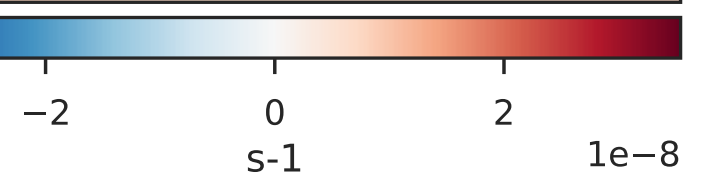
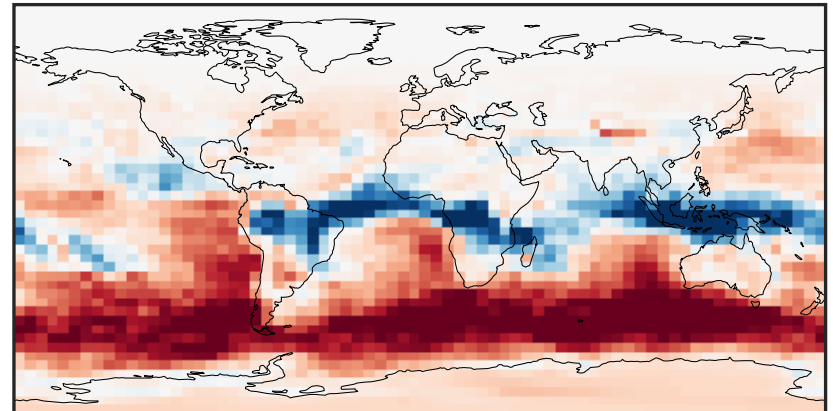
14.3.0-rc.0 (Dev)  
4.0x5.0



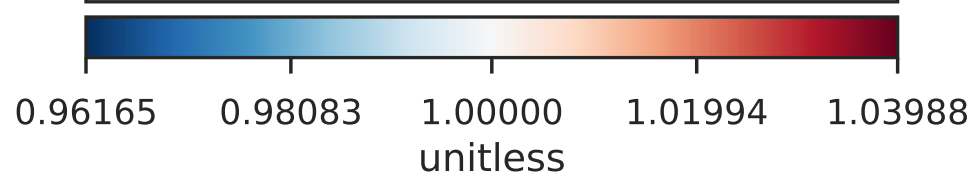
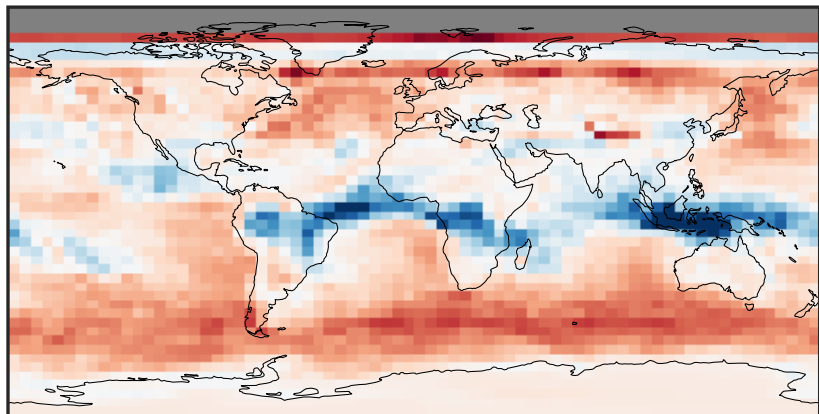
Difference  
Dev - Ref, Dynamic Range



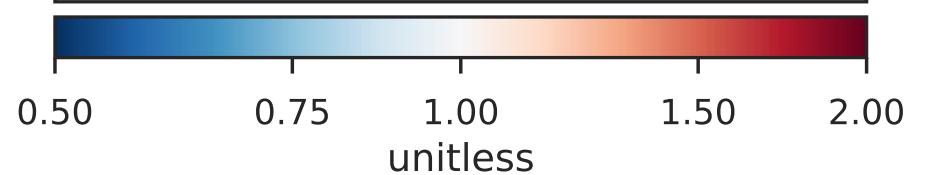
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



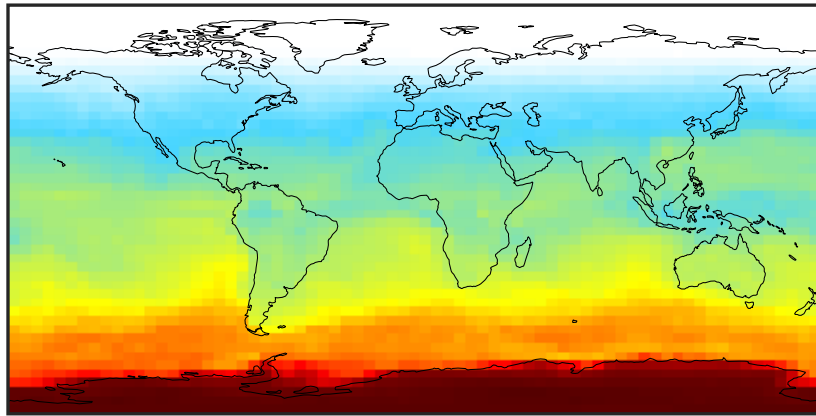
Ratio  
Dev/Ref, Fixed Range





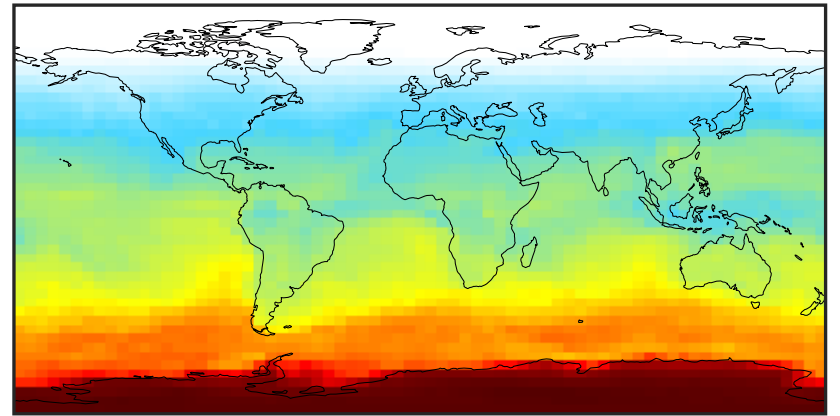
# Jval\_INO (Jan2019)

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



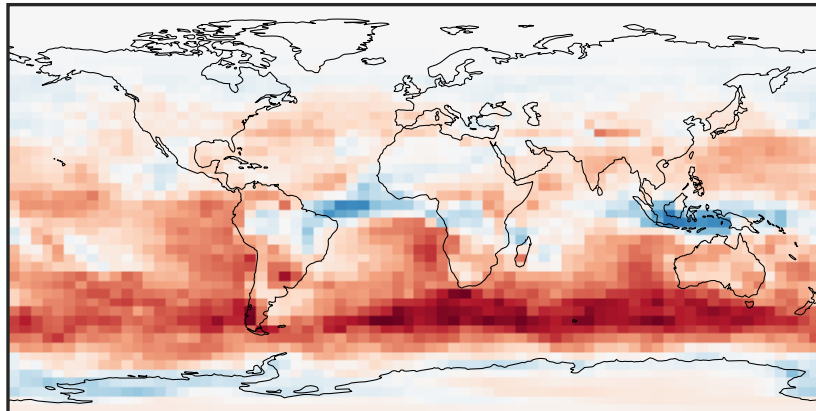
0.000 0.015 0.030 0.045  
s-1

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



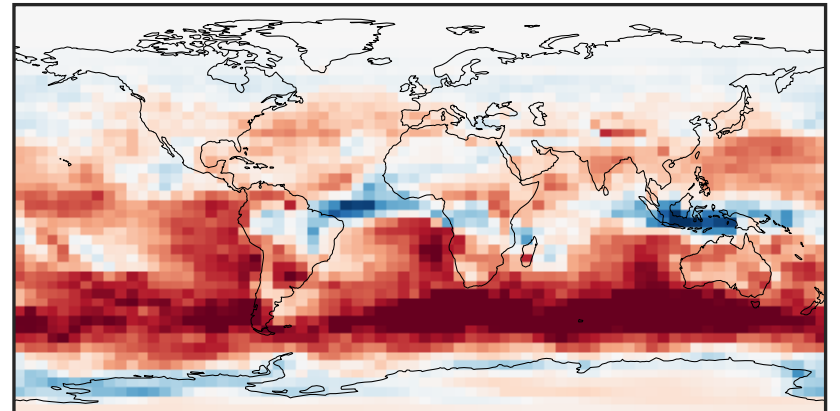
0.000 0.015 0.030 0.045  
s-1

Difference  
Dev - Ref, Dynamic Range



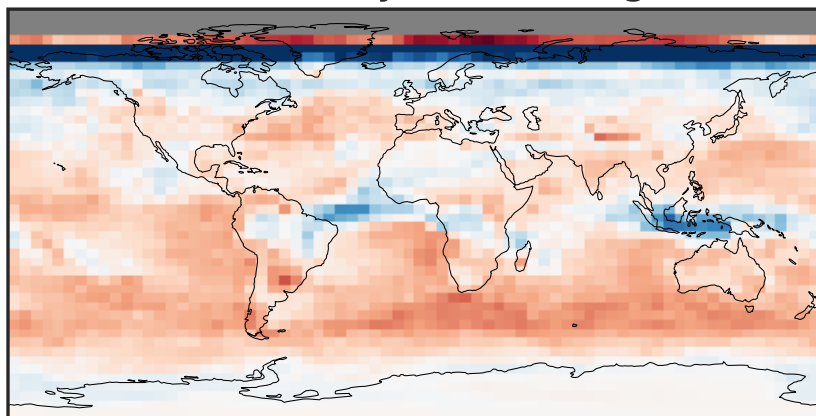
-0.0005 0.0000 0.0005  
s-1

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



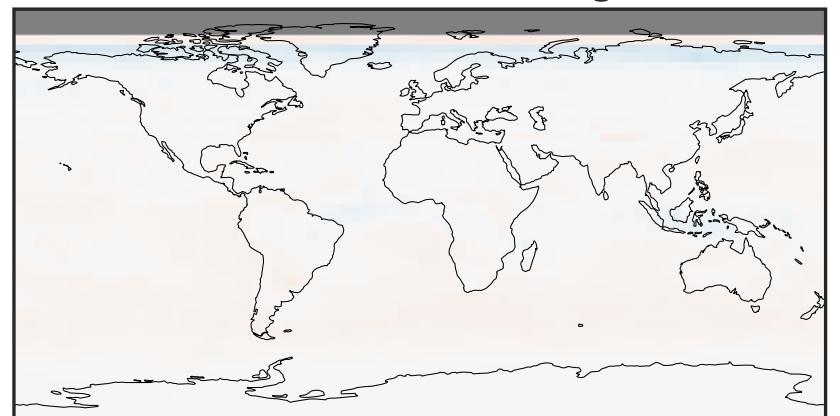
-0.0004 0.0000 0.0004  
s-1

Ratio  
Dev/Ref, Dynamic Range



0.9389 0.9695 1.0000 1.0325 1.0650  
unitless

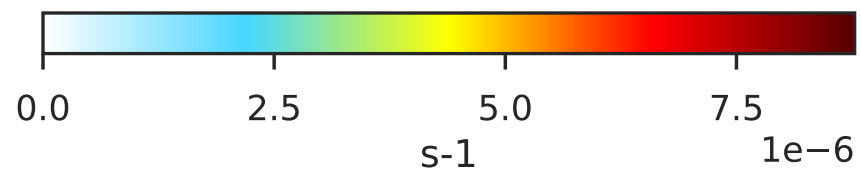
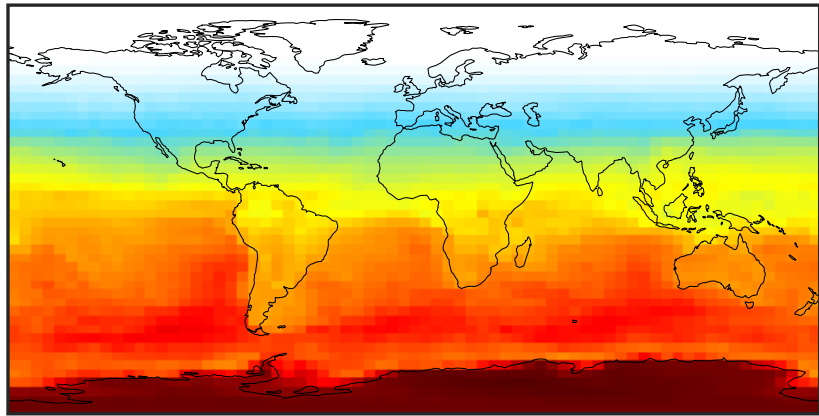
Ratio  
Dev/Ref, Fixed Range



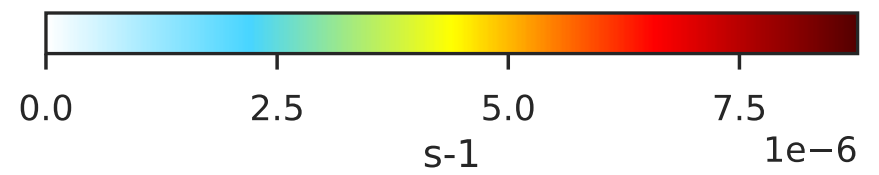
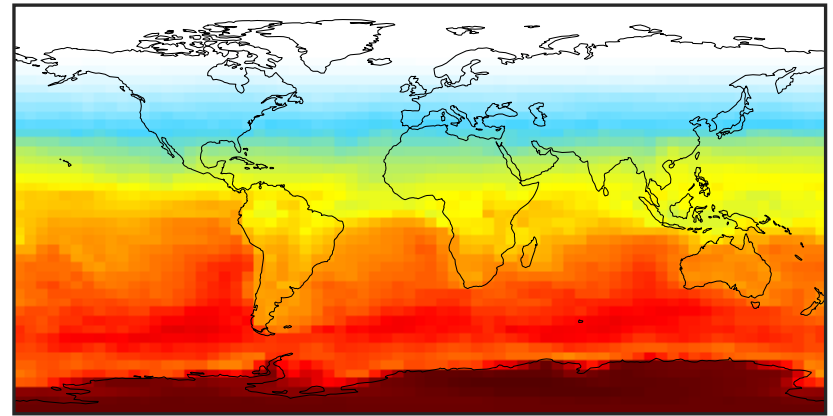
0.50 0.75 1.00 1.50 2.00  
unitless

# Jval\_INPB (Jan2019)

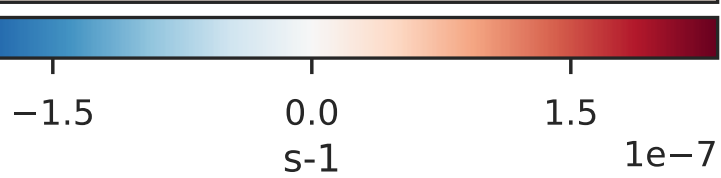
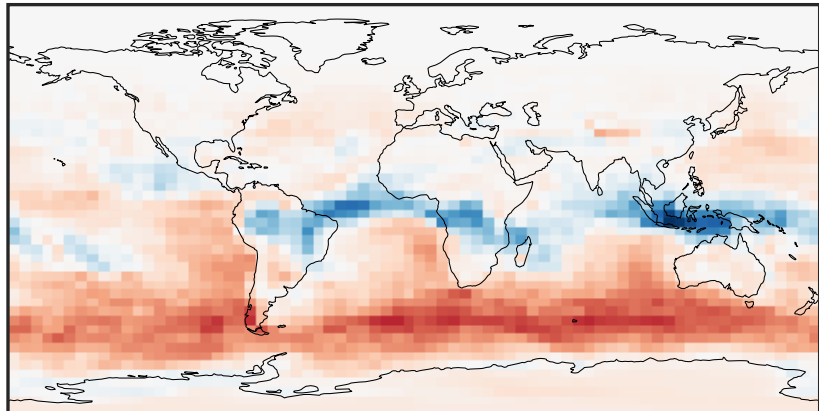
14.2.0-rc.2 (Ref)  
4.0x5.0



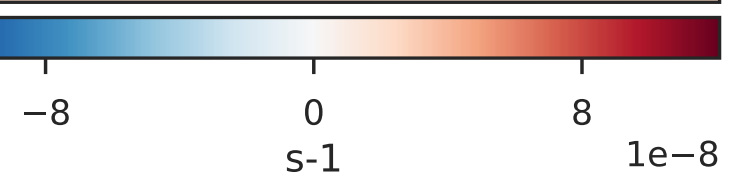
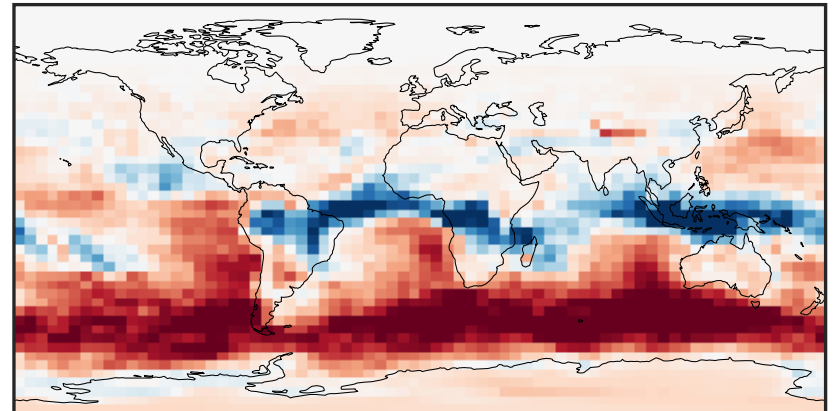
14.3.0-rc.0 (Dev)  
4.0x5.0



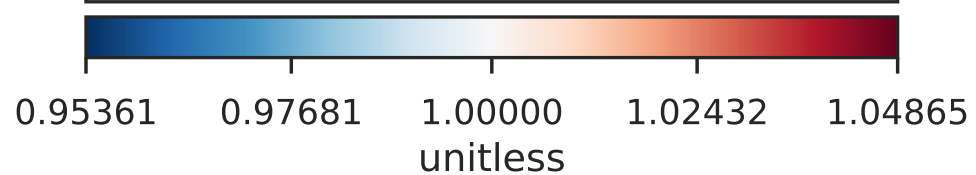
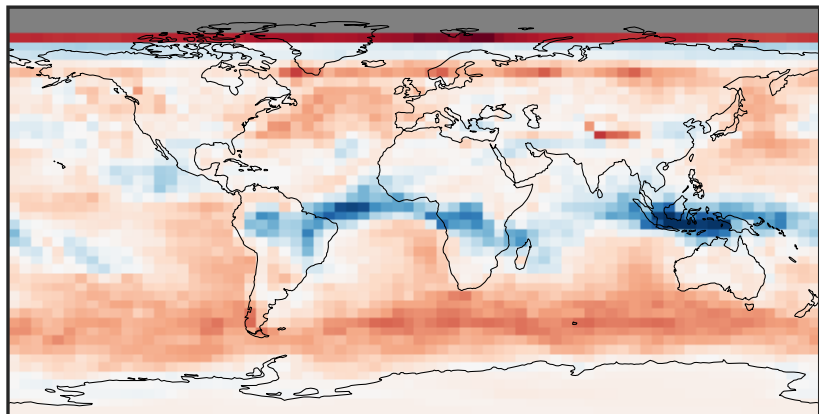
Difference  
Dev - Ref, Dynamic Range



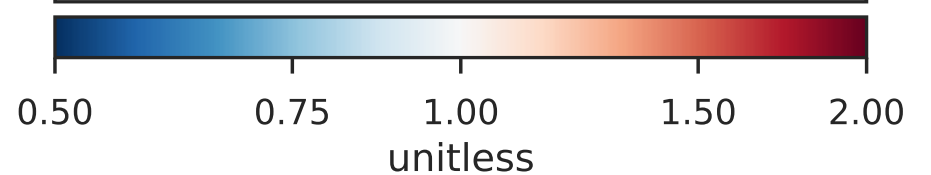
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

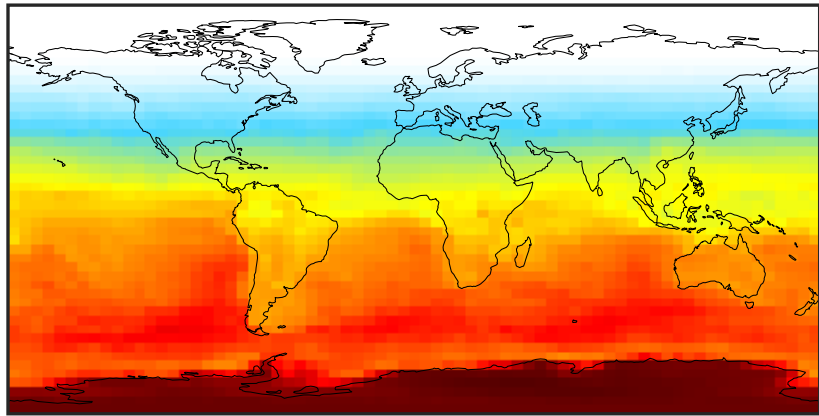


Ratio  
Dev/Ref, Fixed Range



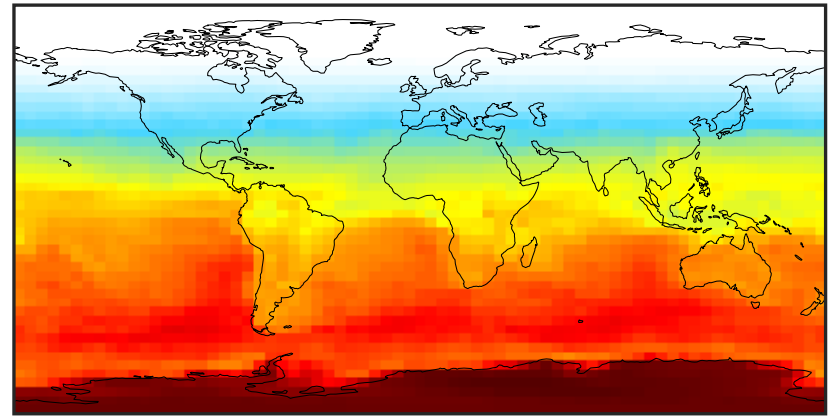
# Jval\_INPD (Jan2019)

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



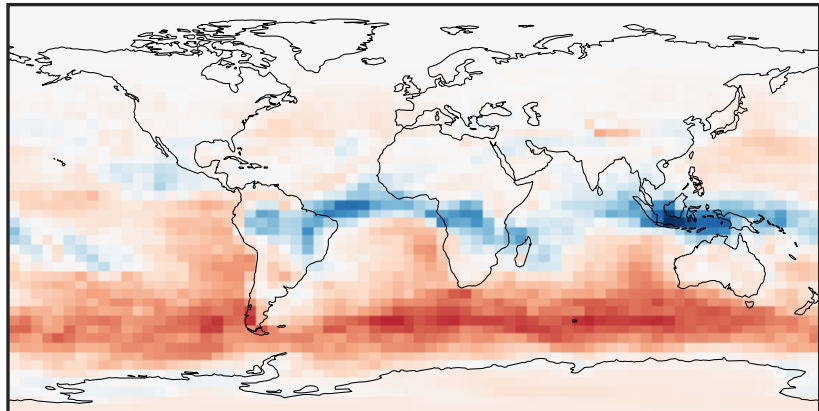
0.0 2.5 5.0 7.5  
s-1  $1e-6$

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



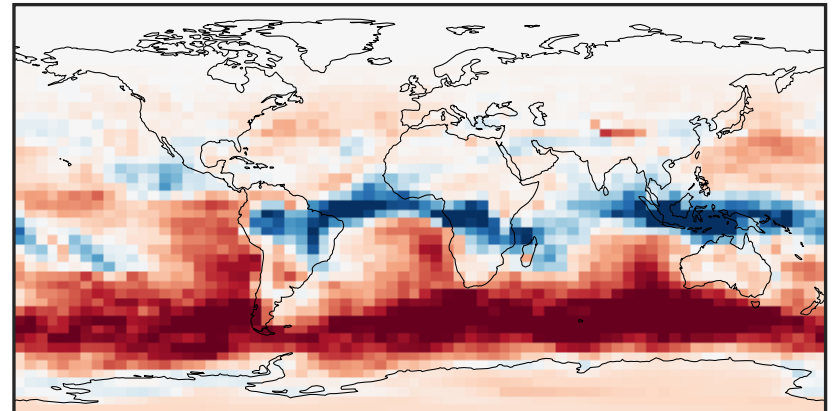
0.0 2.5 5.0 7.5  
s-1  $1e-6$

Difference  
Dev - Ref, Dynamic Range



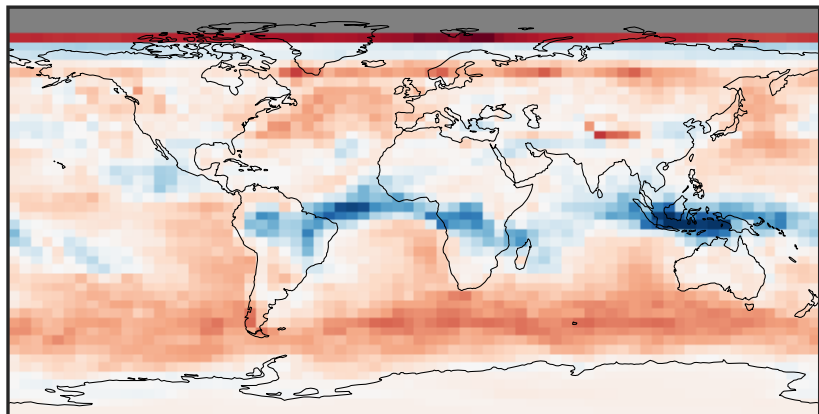
-1.5 0.0 1.5  
s-1  $1e-7$

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



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

Ratio  
Dev/Ref, Dynamic Range



0.95361 0.97681 1.00000 1.02432 1.04865  
unitless

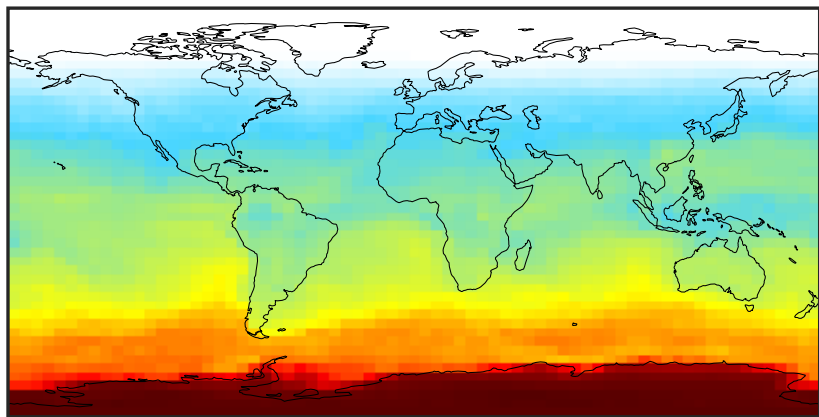
Ratio  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

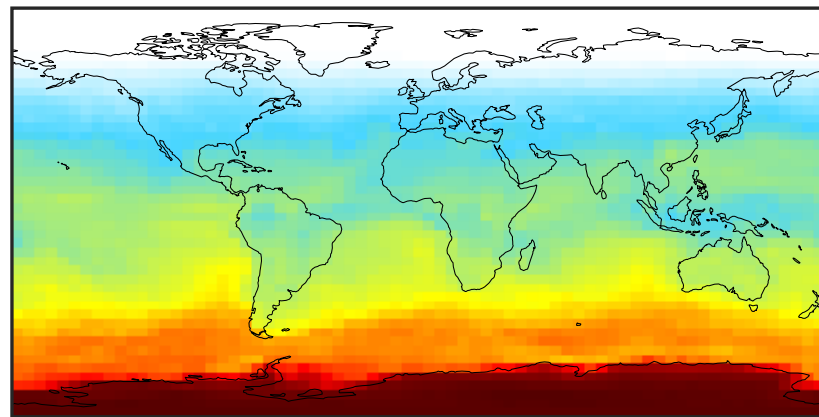
# Jval\_IO (Jan2019)

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



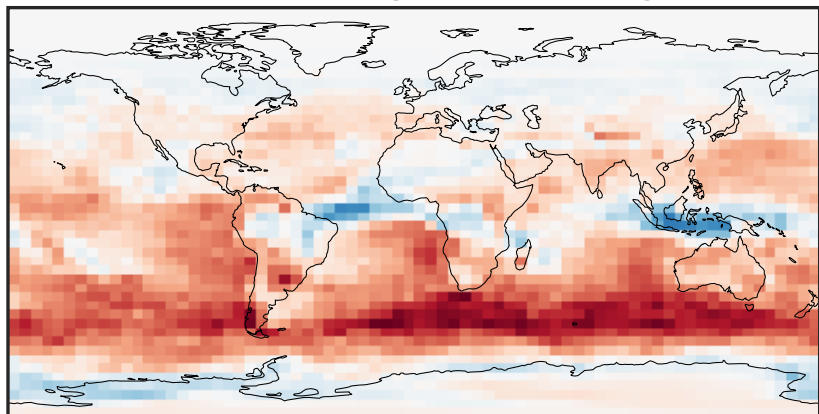
0.0000 0.0778 0.1555 0.2333 0.3110  
s-1

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



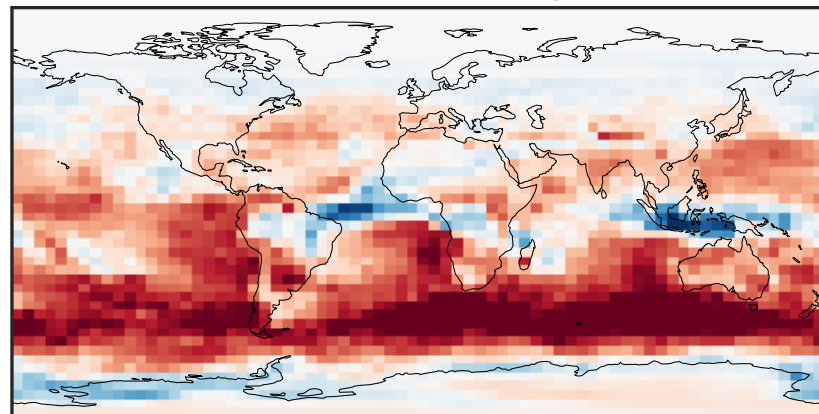
0.0000 0.0778 0.1555 0.2333 0.3110  
s-1

Difference  
Dev - Ref, Dynamic Range



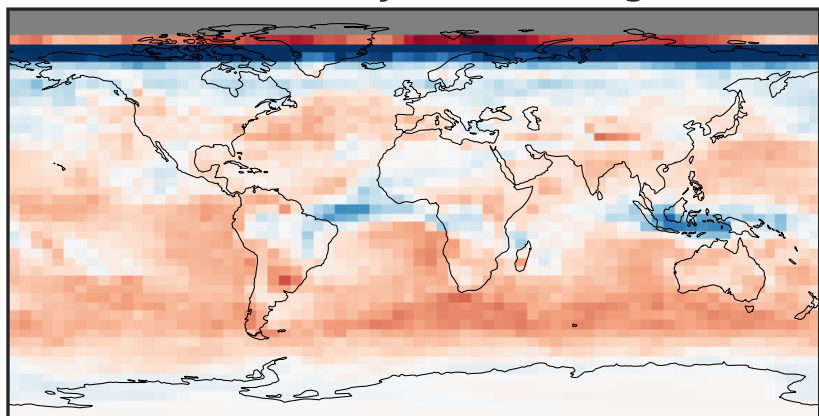
-0.003 0.000 0.003  
s-1

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



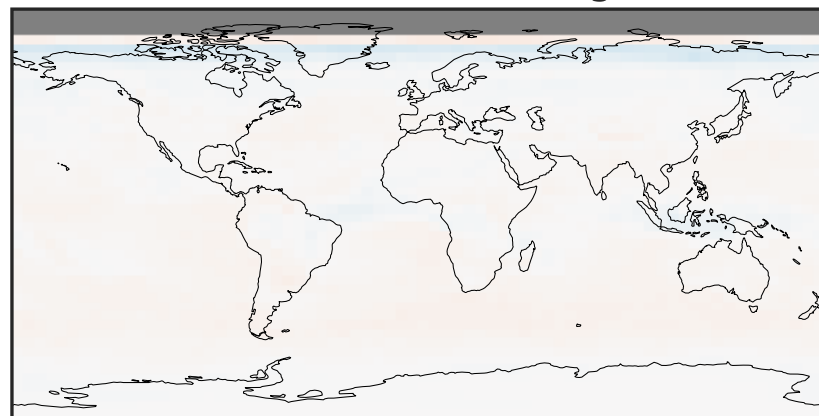
-0.0025 0.0000 0.0025  
s-1

Ratio  
Dev/Ref, Dynamic Range



0.9380 0.9690 1.0000 1.0331 1.0661  
unitless

Ratio  
Dev/Ref, Fixed Range

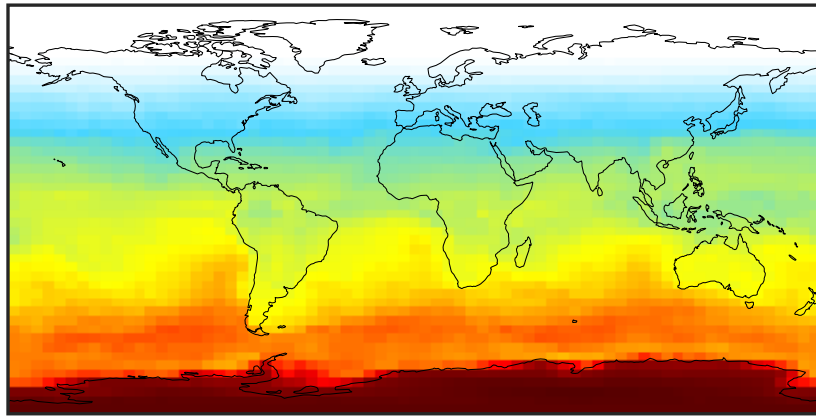


0.50 0.75 1.00 1.50 2.00  
unitless



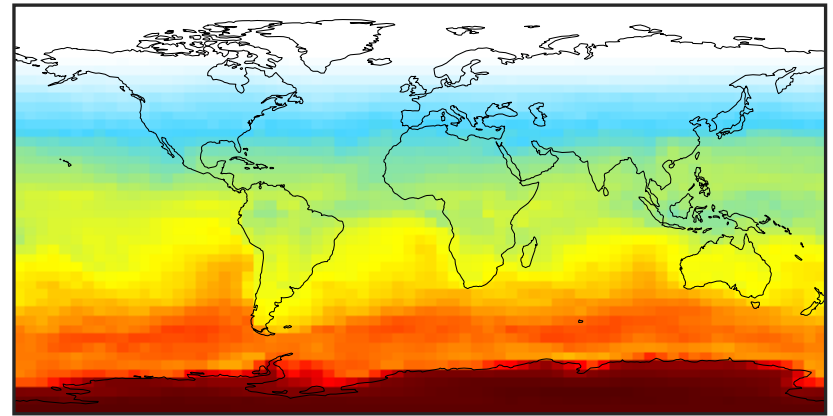
# Jval\_IONO (Jan2019)

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



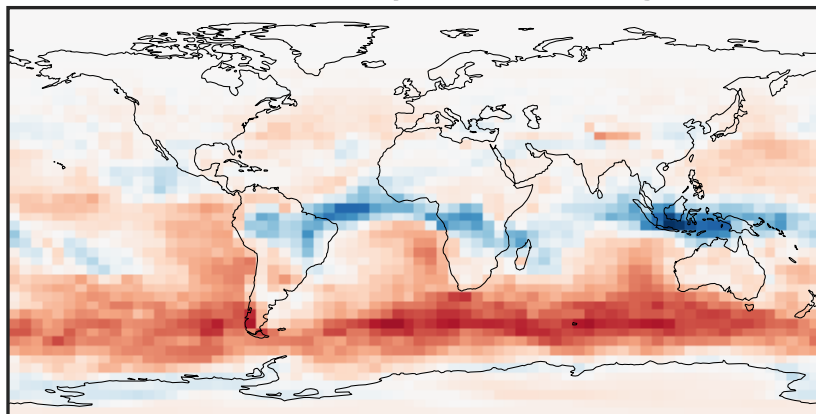
0.0000 0.0015 0.0030  
s-1

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



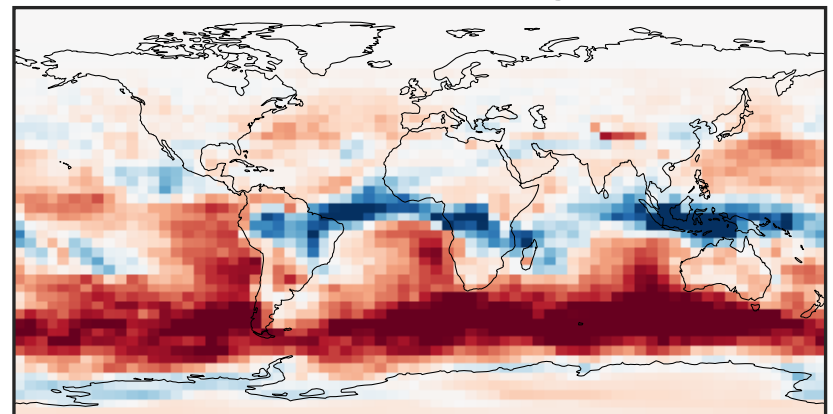
0.0000 0.0015 0.0030  
s-1

Difference  
Dev - Ref, Dynamic Range



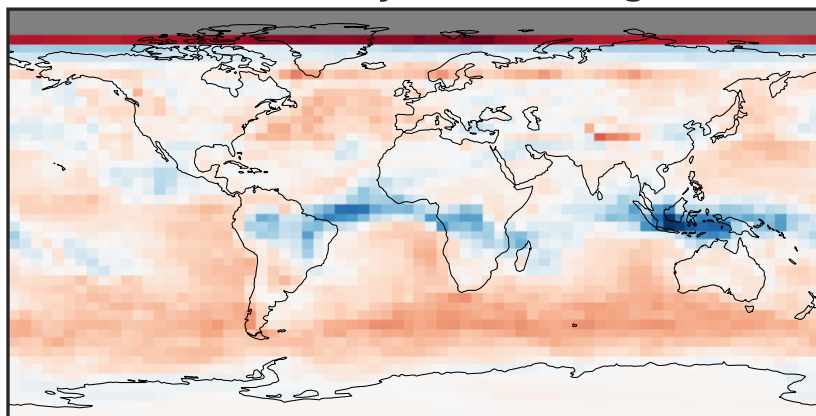
-5 0 5  
s-1 1e-5

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



-2.5 0.0 2.5  
s-1 1e-5

Ratio  
Dev/Ref, Dynamic Range



0.9441 0.9721 1.0000 1.0296 1.0592  
unitless

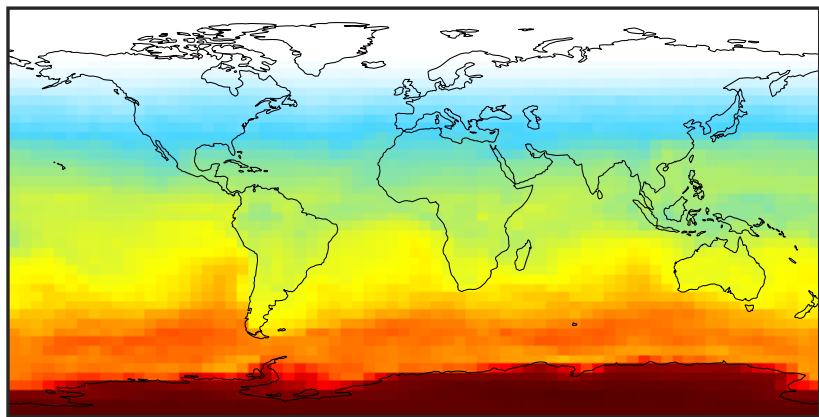
Ratio  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

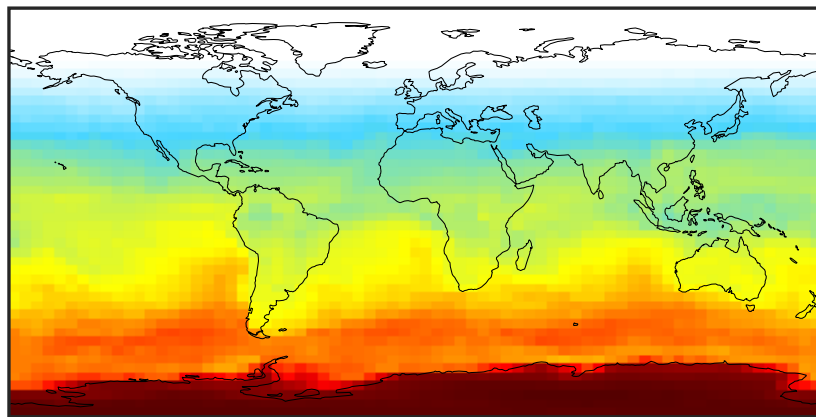
# Jval\_IONO2 (Jan2019)

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



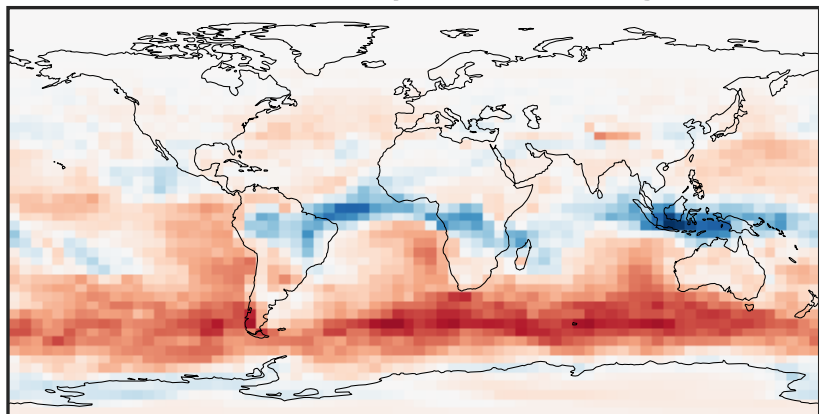
0.000 0.004 0.008 0.012  
s-1

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



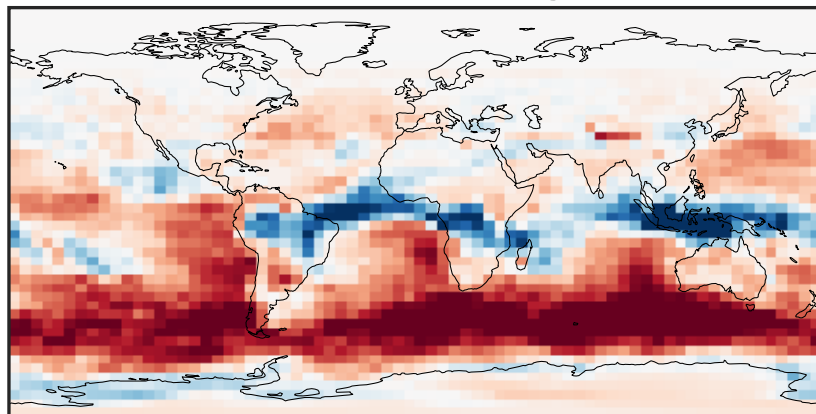
0.000 0.004 0.008 0.012  
s-1

Difference  
Dev - Ref, Dynamic Range



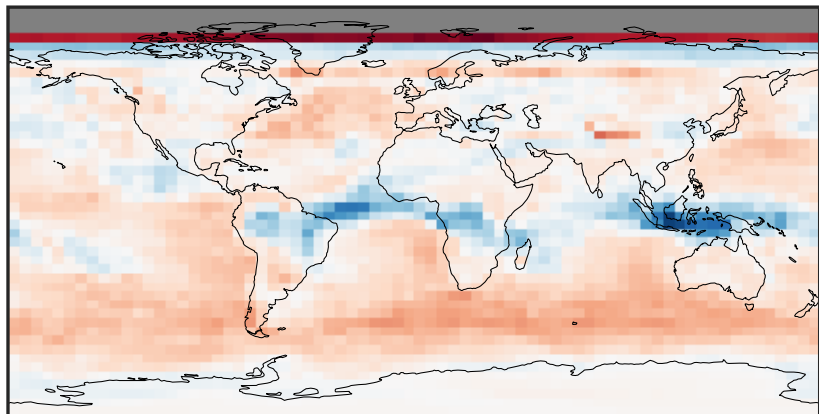
-0.00015 0.00000 0.00015  
s-1

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



-8 0 8  
s-1 1e-5

Ratio  
Dev/Ref, Dynamic Range



0.9419 0.9709 1.0000 1.0309 1.0617  
unitless

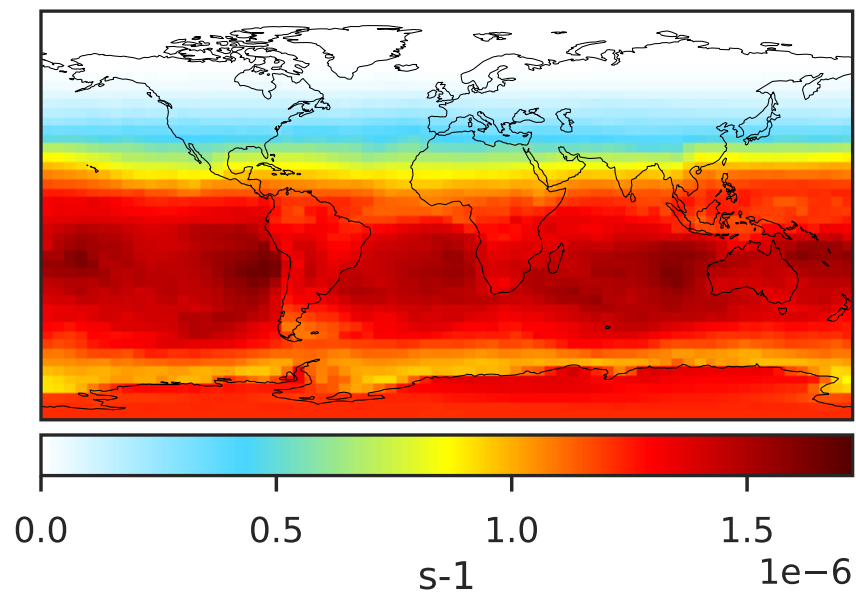
Ratio  
Dev/Ref, Fixed Range



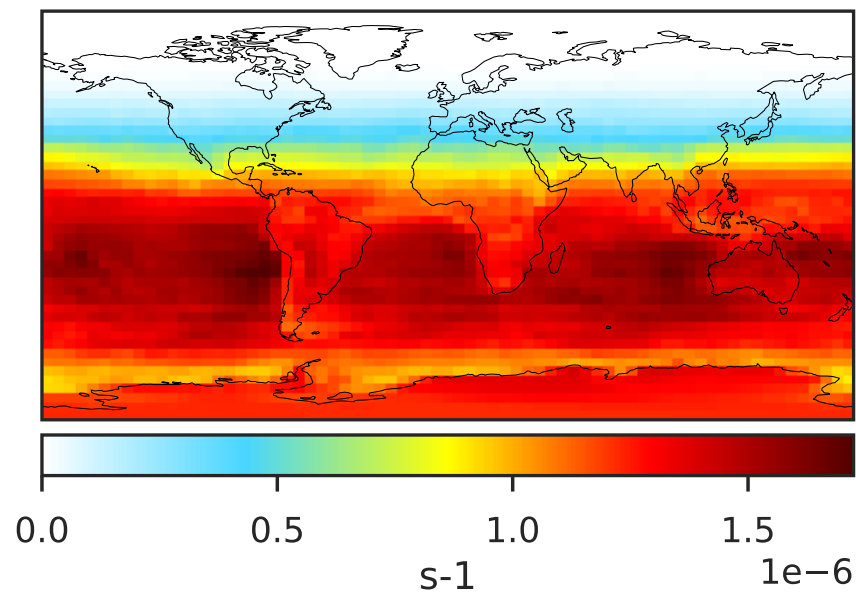
0.50 0.75 1.00 1.50 2.00  
unitless

# Jval\_IPRNO3 (Jan2019)

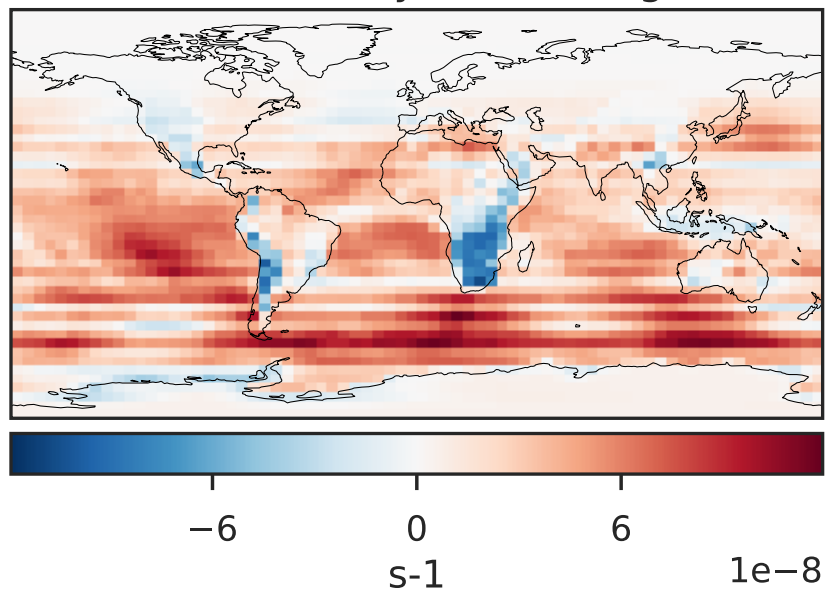
14.2.0-rc.2 (Ref)  
4.0x5.0



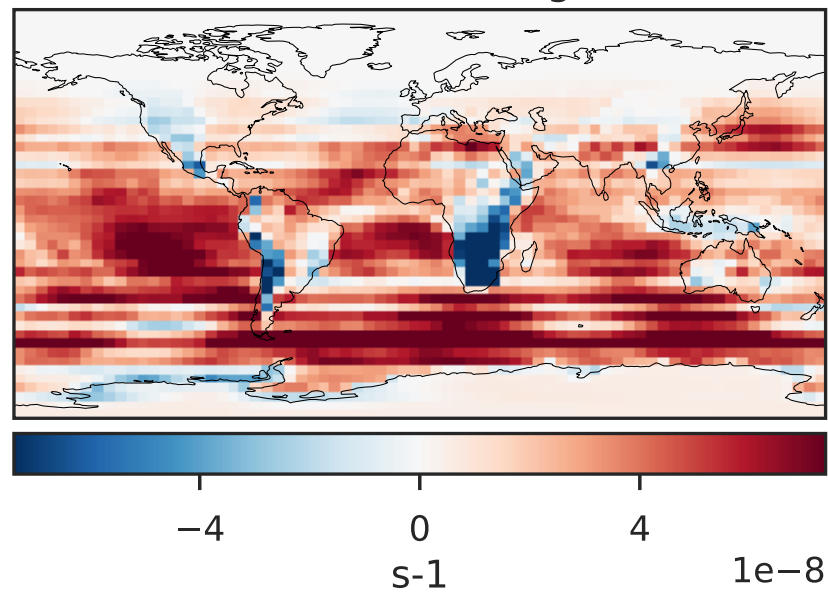
14.3.0-rc.0 (Dev)  
4.0x5.0



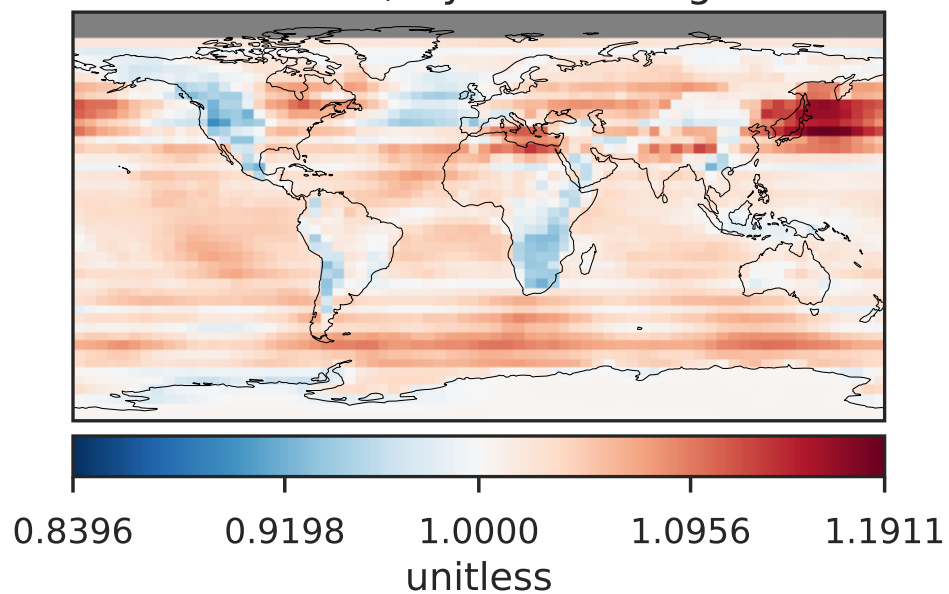
Difference  
Dev - Ref, Dynamic Range



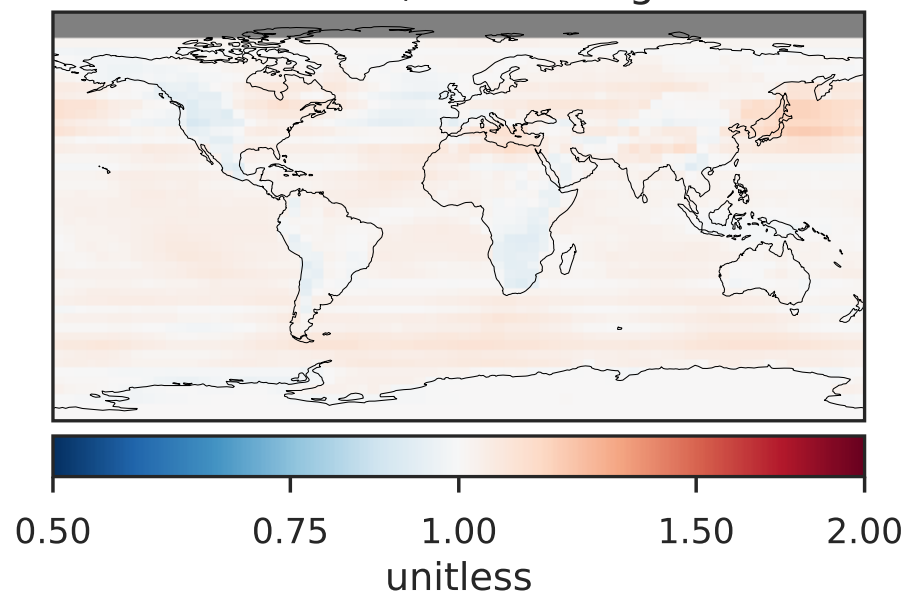
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

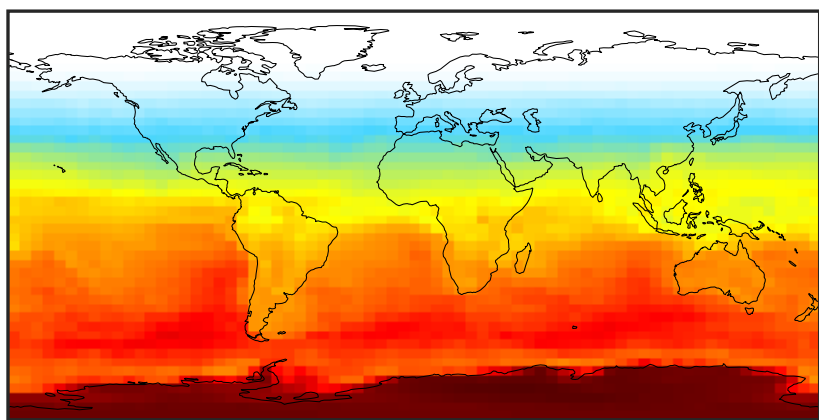


Ratio  
Dev/Ref, Fixed Range



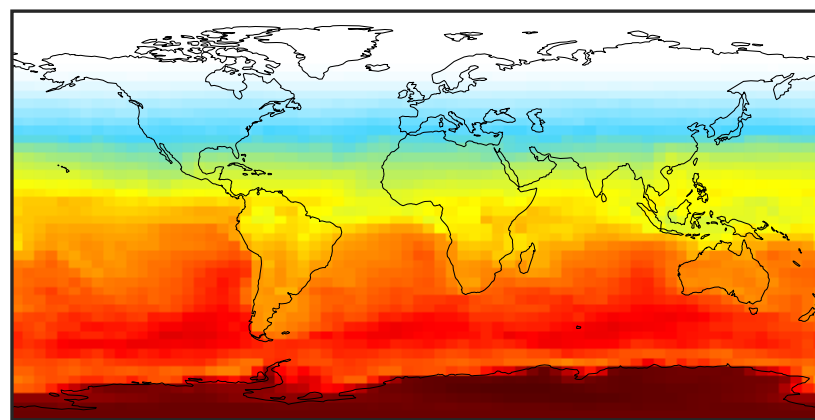
# Jval\_ITCN (Jan2019)

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



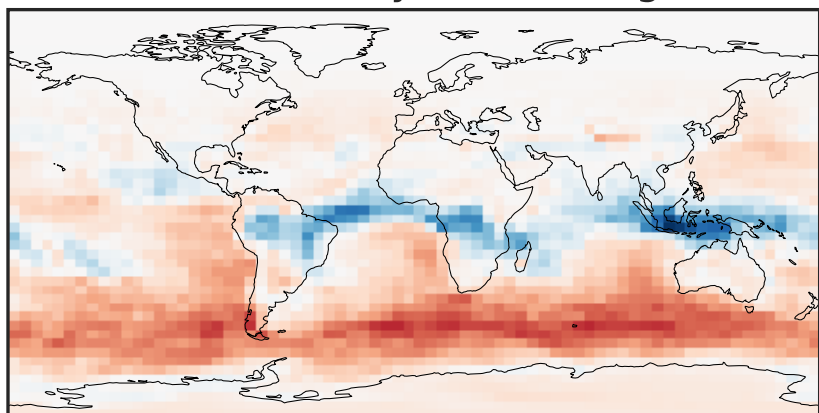
0.00000 0.00004 0.00008 0.00012  
s-1

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



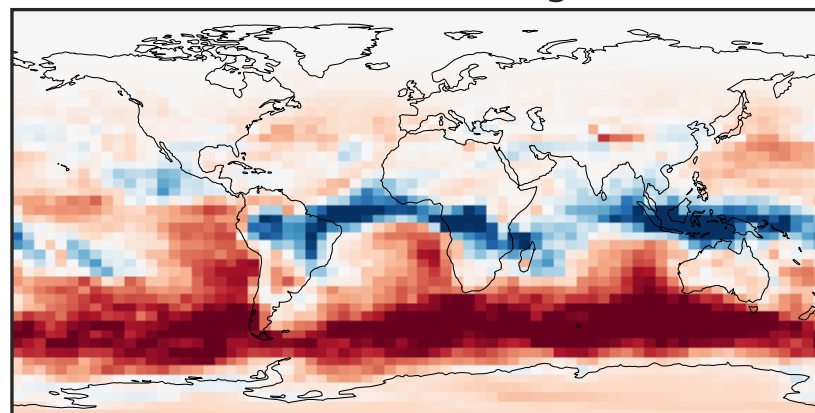
0.00000 0.00004 0.00008 0.00012  
s-1

Difference  
Dev - Ref, Dynamic Range



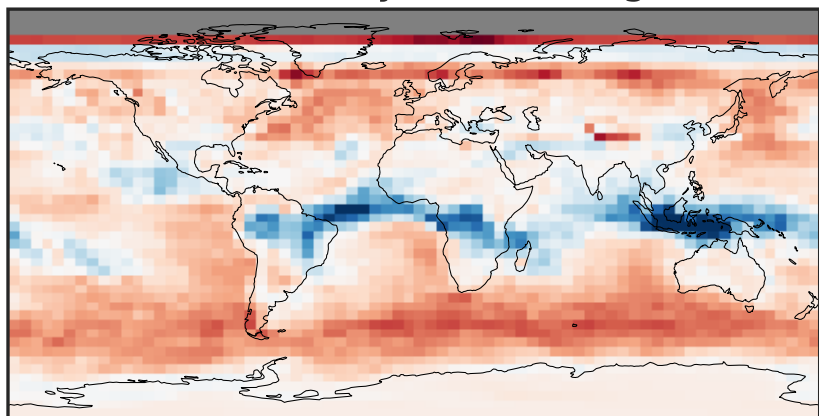
-2 0 2  
s-1 1e-6

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



-1.5 0.0 1.5  
s-1 1e-6

Ratio  
Dev/Ref, Dynamic Range



0.96049 0.98025 1.00000 1.02057 1.04114  
unitless

Ratio  
Dev/Ref, Fixed Range

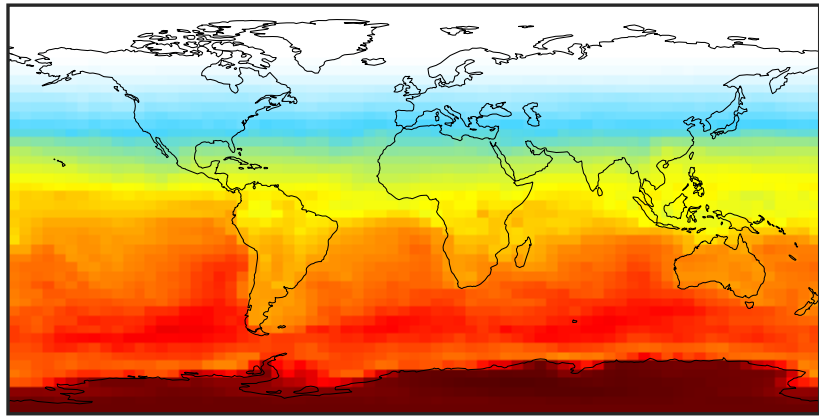


0.50 0.75 1.00 1.50 2.00  
unitless



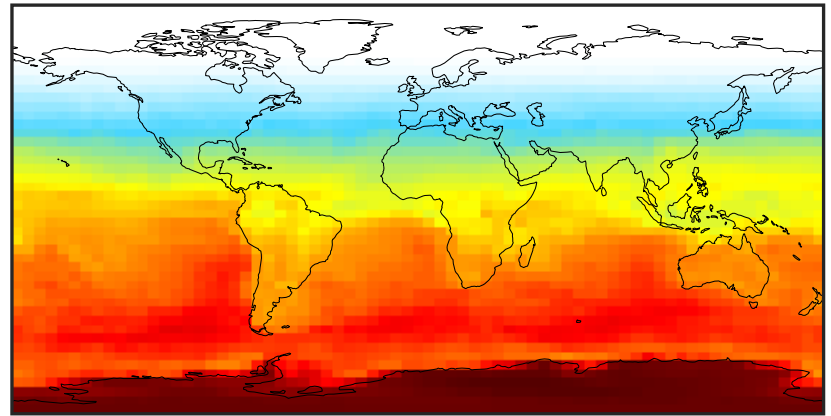
# Jval\_ITHN (Jan2019)

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



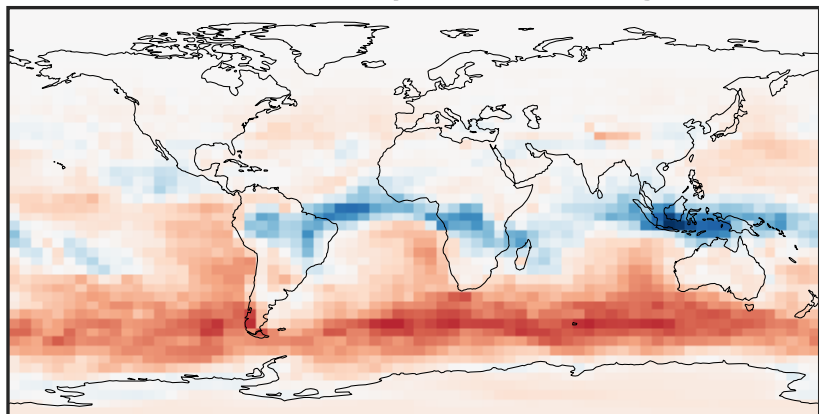
0.0 2.5 5.0 7.5  
s-1  $1e-6$

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



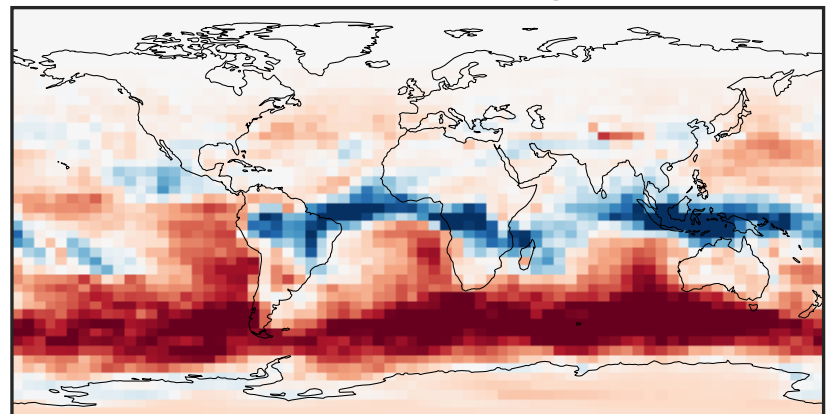
0.0 2.5 5.0 7.5  
s-1  $1e-6$

Difference  
Dev - Ref, Dynamic Range



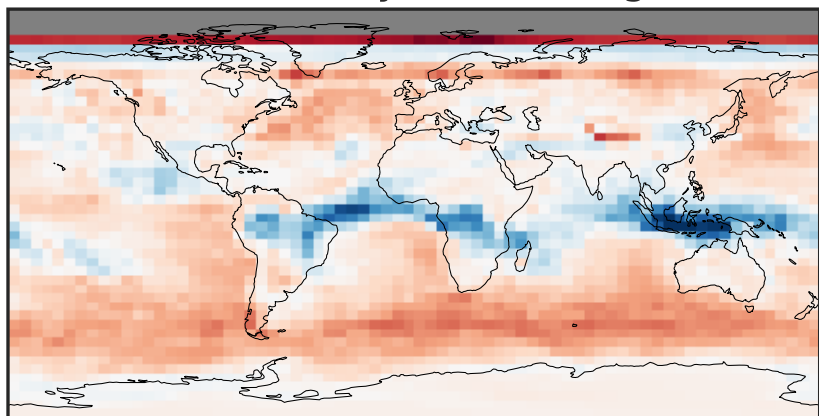
-1.5 0.0 1.5  
s-1  $1e-7$

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



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

Ratio  
Dev/Ref, Dynamic Range



0.95361 0.97681 1.00000 1.02432 1.04865  
unitless

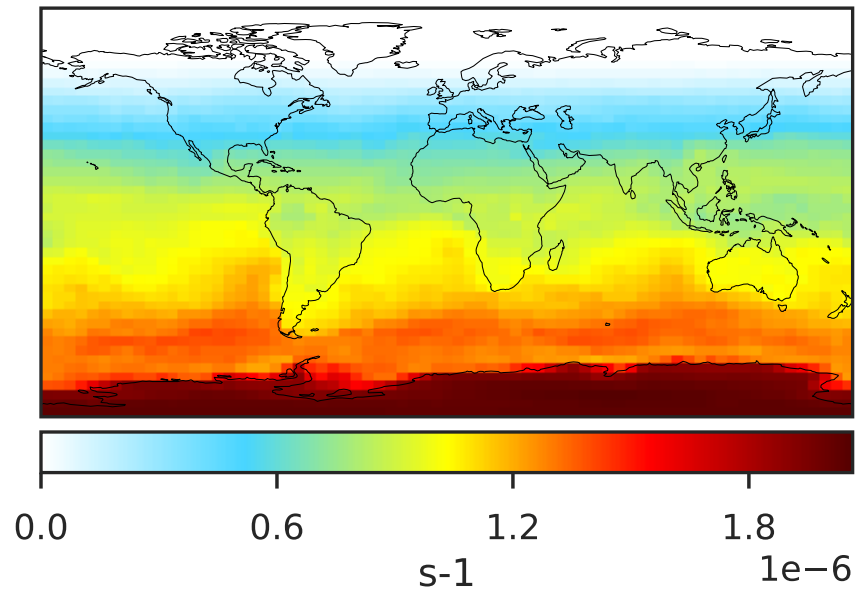
Ratio  
Dev/Ref, Fixed Range



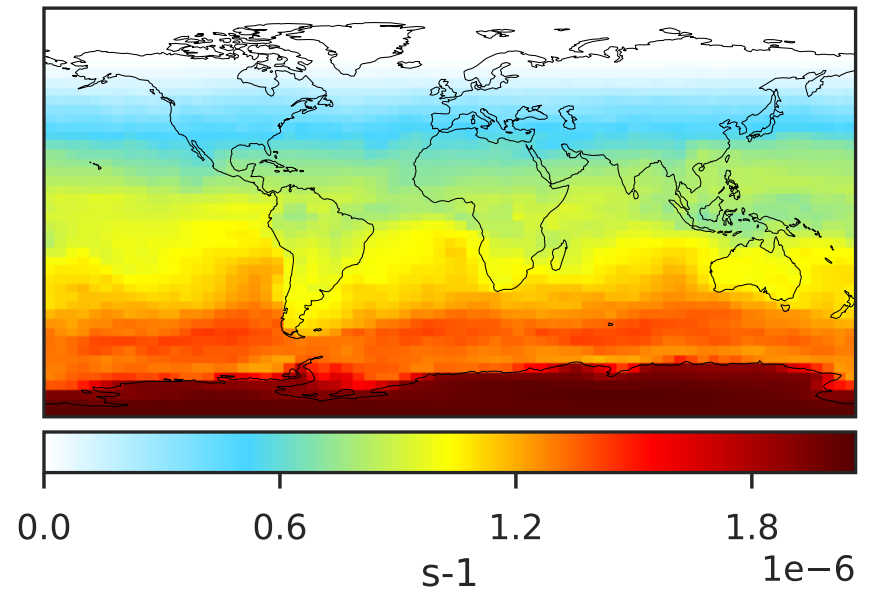
0.50 0.75 1.00 1.50 2.00  
unitless

# Jval\_MACR (Jan2019)

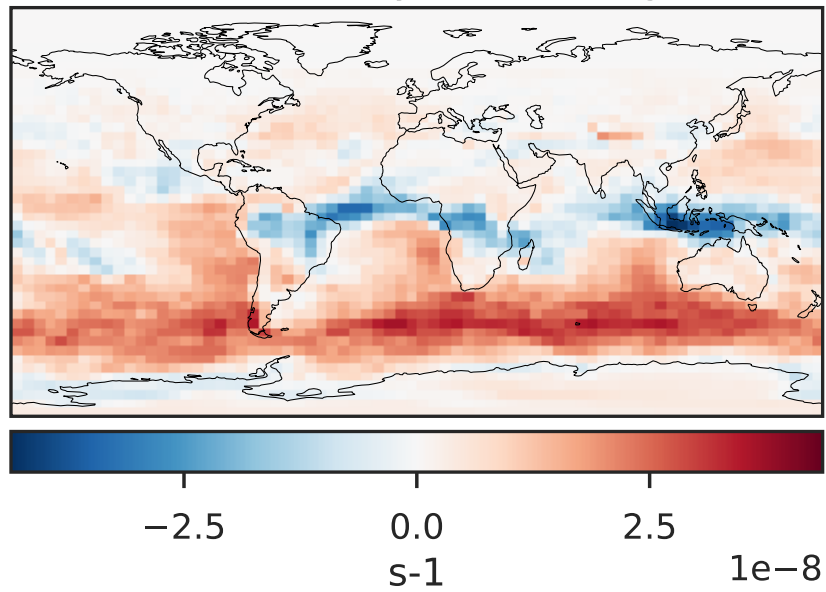
14.2.0-rc.2 (Ref)  
4.0x5.0



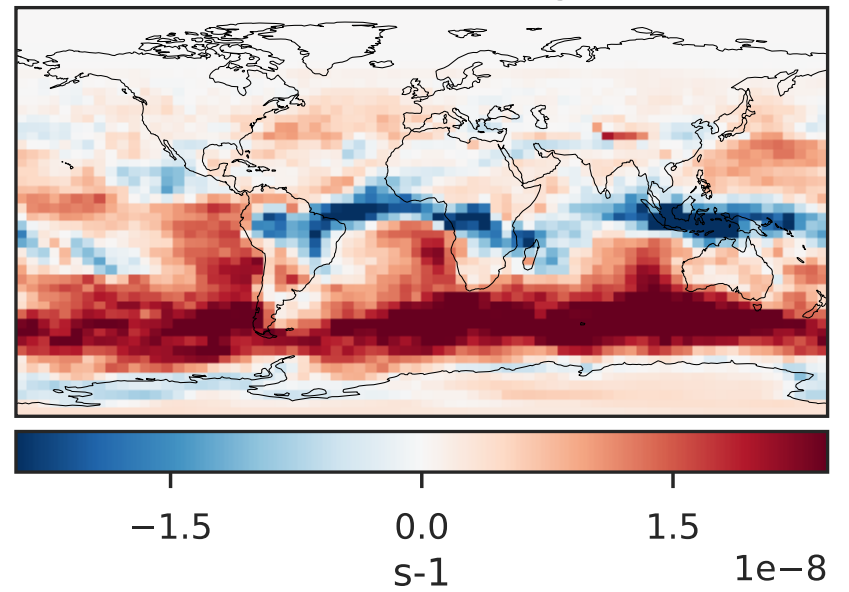
14.3.0-rc.0 (Dev)  
4.0x5.0



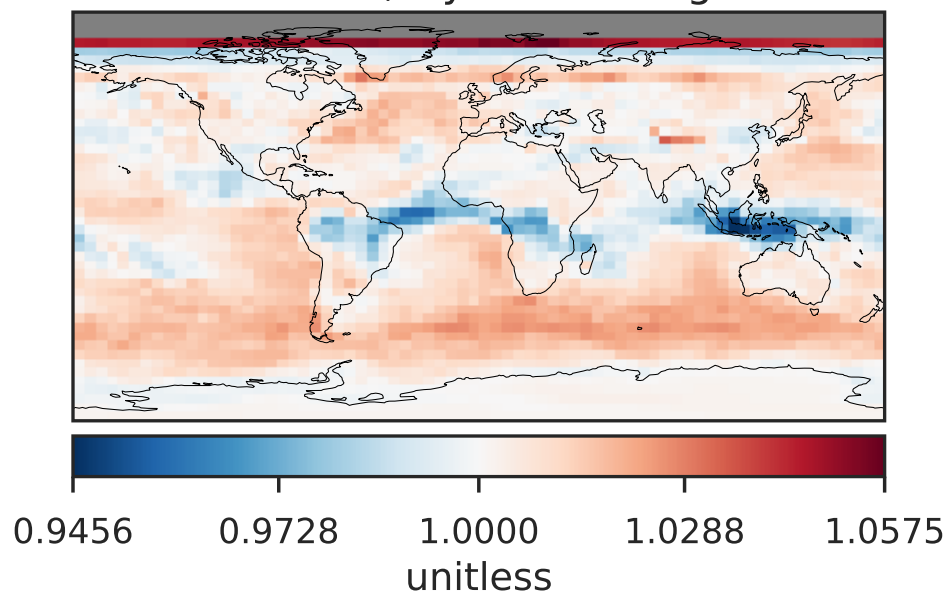
Difference  
Dev - Ref, Dynamic Range



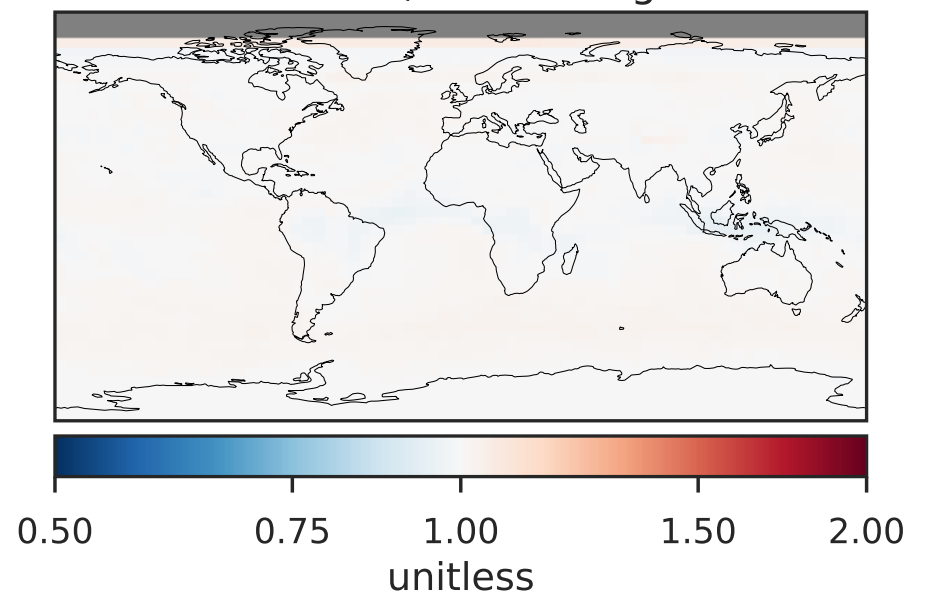
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

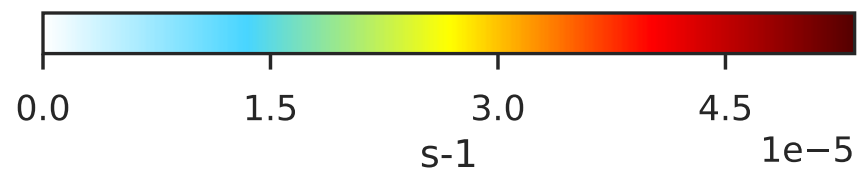
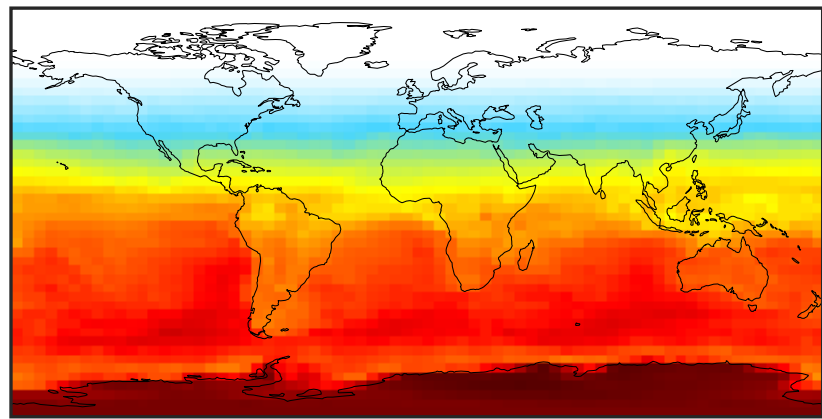


Ratio  
Dev/Ref, Fixed Range

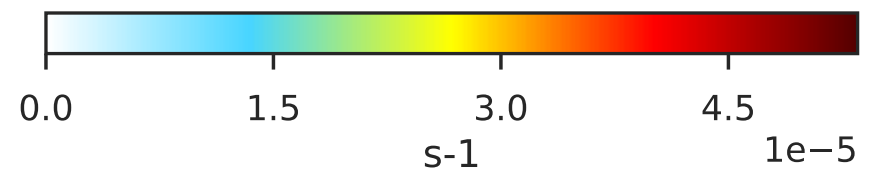
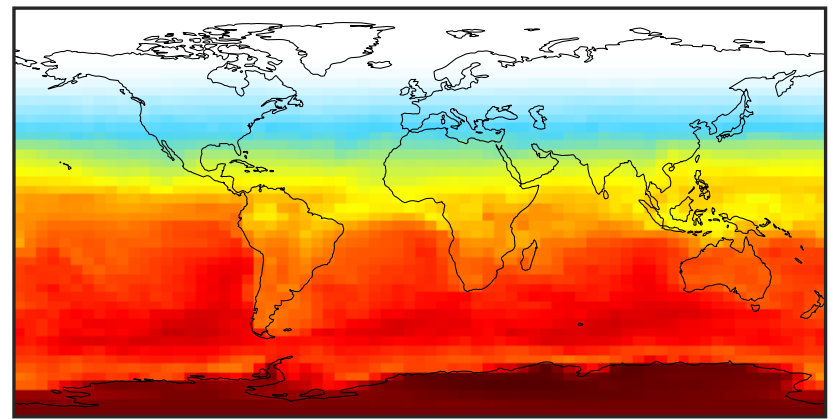


# Jval\_MACR100H (Jan2019)

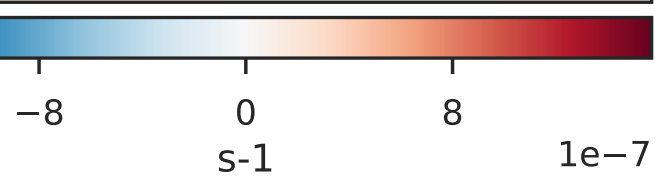
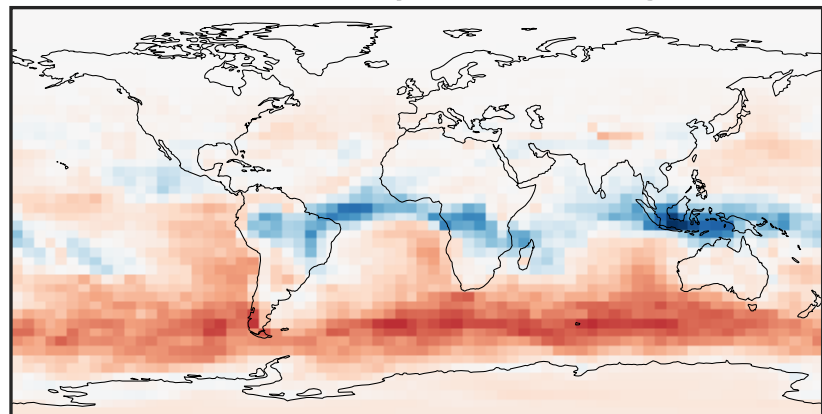
14.2.0-rc.2 (Ref)  
4.0x5.0



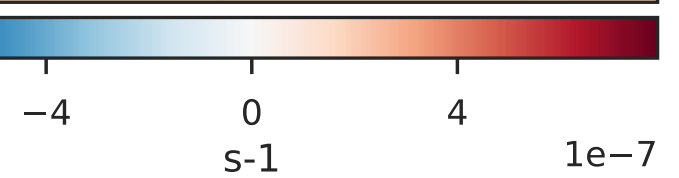
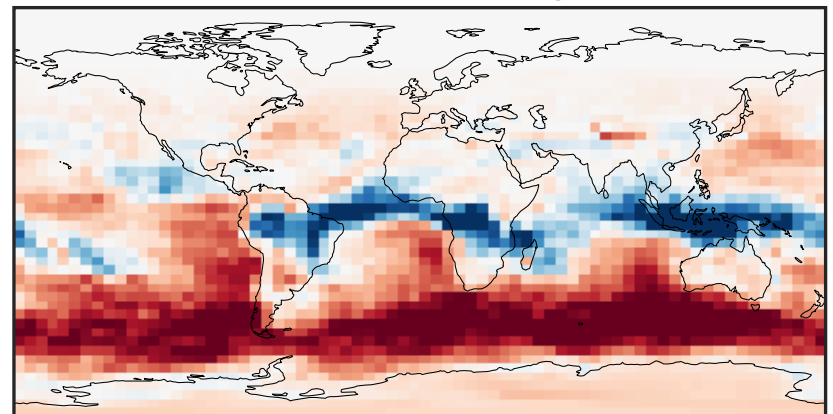
14.3.0-rc.0 (Dev)  
4.0x5.0



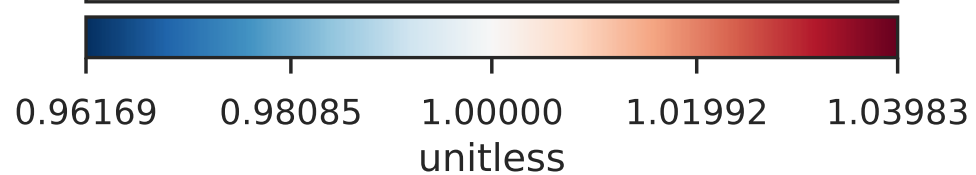
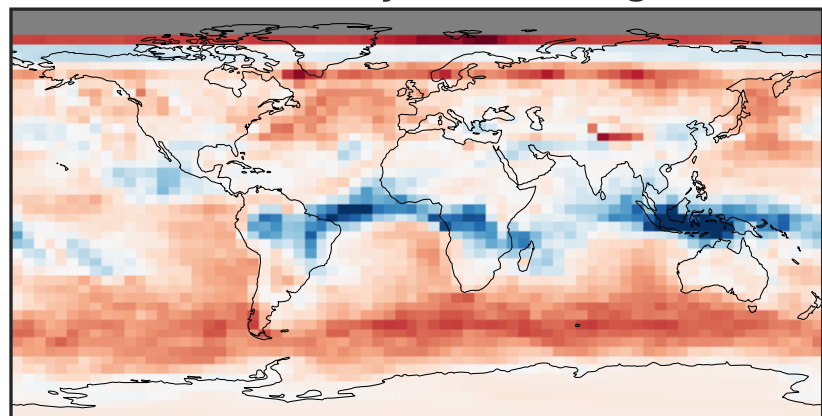
Difference  
Dev - Ref, Dynamic Range



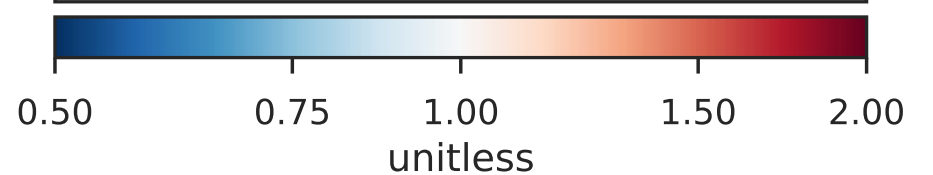
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

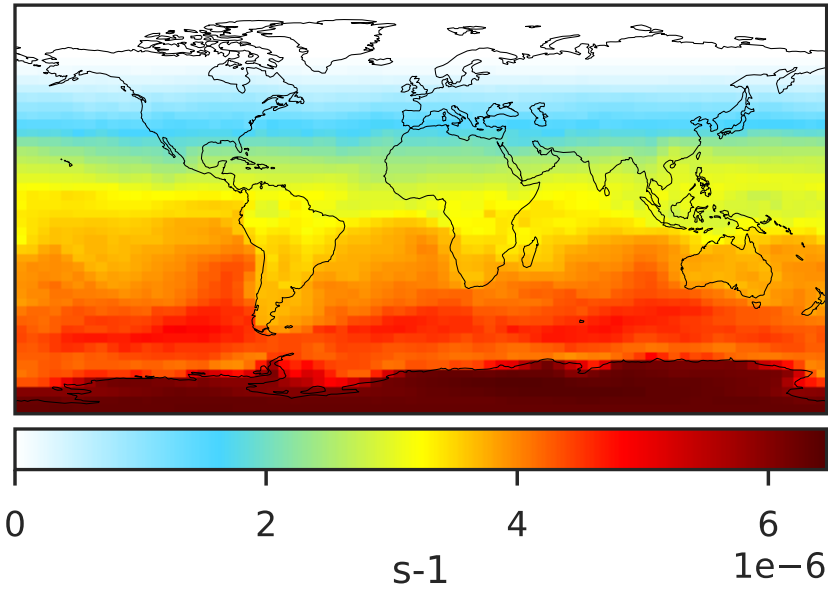


Ratio  
Dev/Ref, Fixed Range

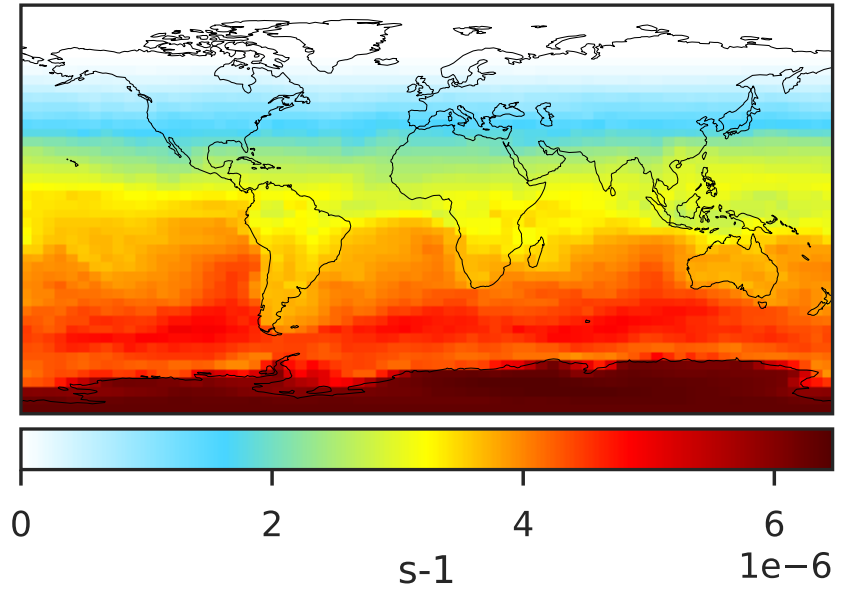


# Jval\_MAP (Jan2019)

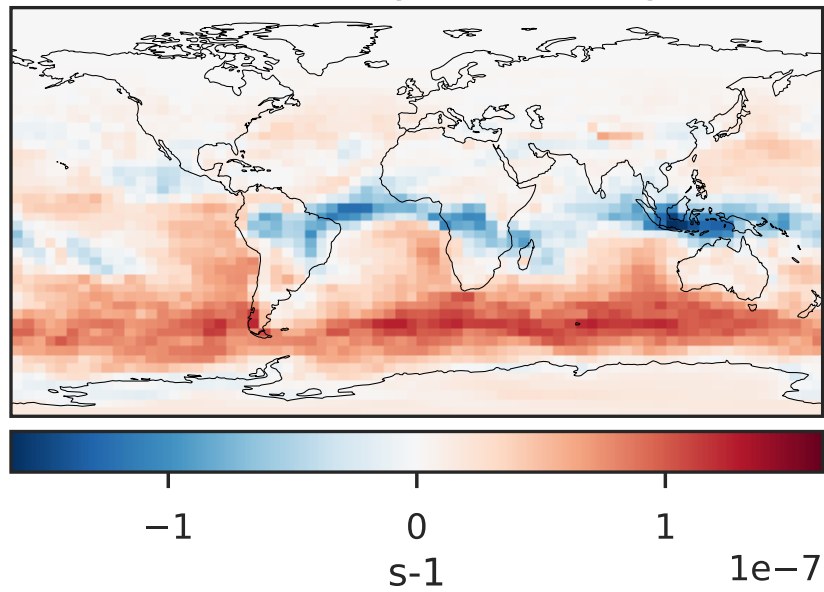
14.2.0-rc.2 (Ref)  
4.0x5.0



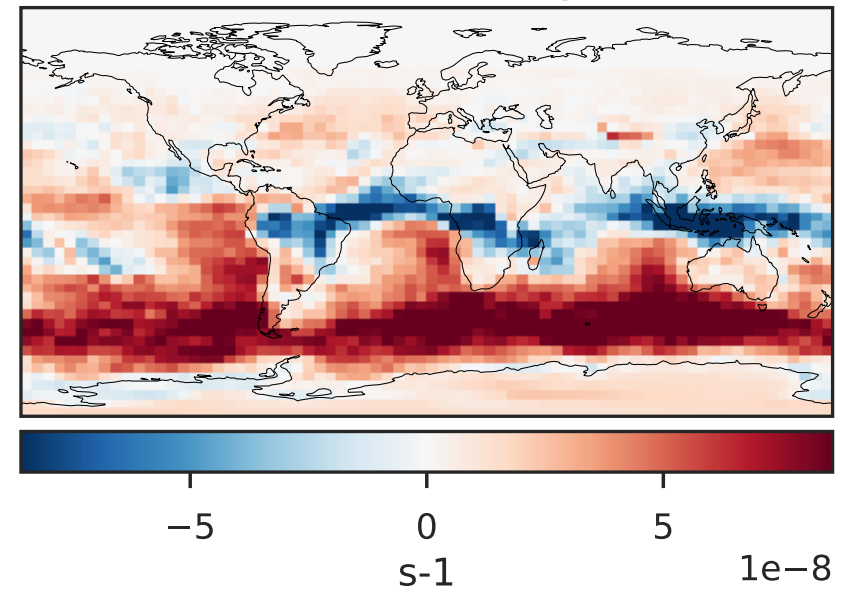
14.3.0-rc.0 (Dev)  
4.0x5.0



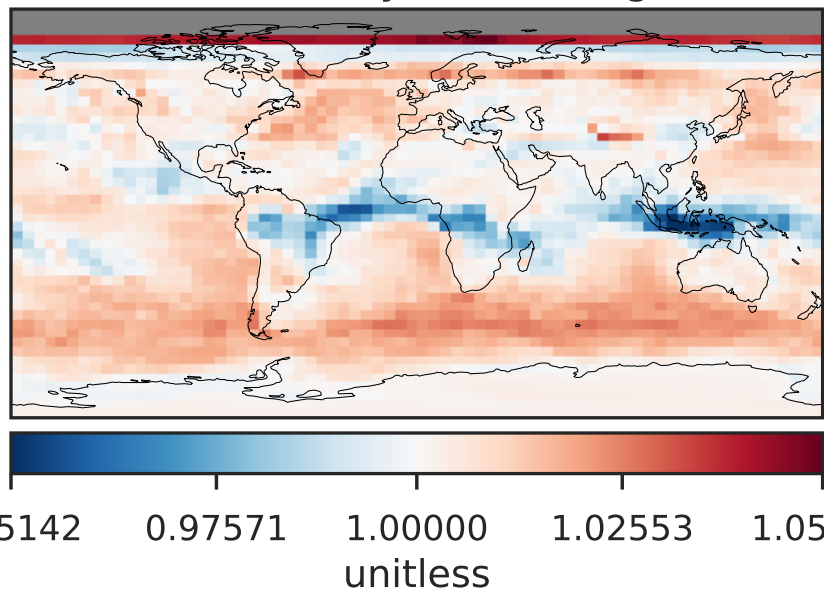
Difference  
Dev - Ref, Dynamic Range



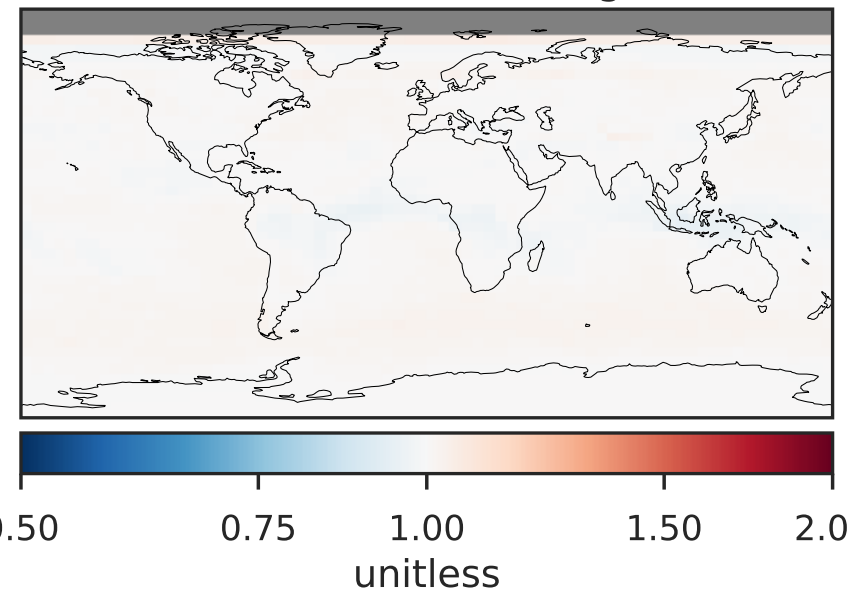
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



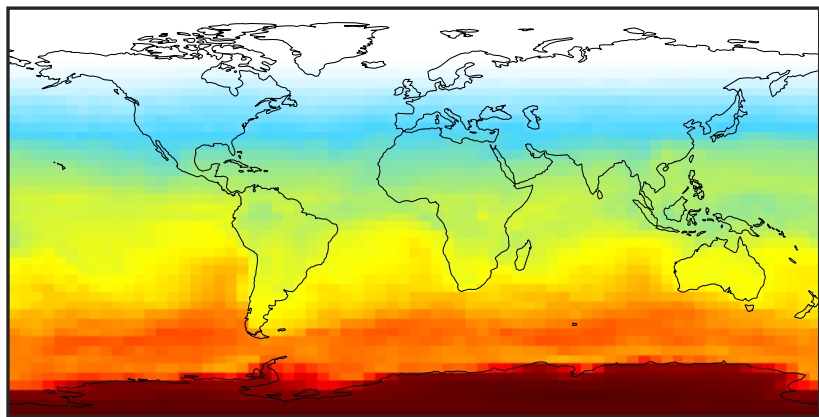
Ratio  
Dev/Ref, Fixed Range





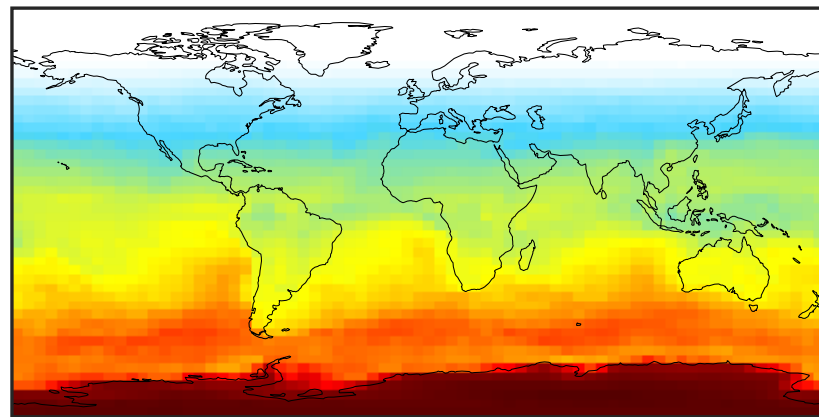
# Jval\_MCRENOL (Jan2019)

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



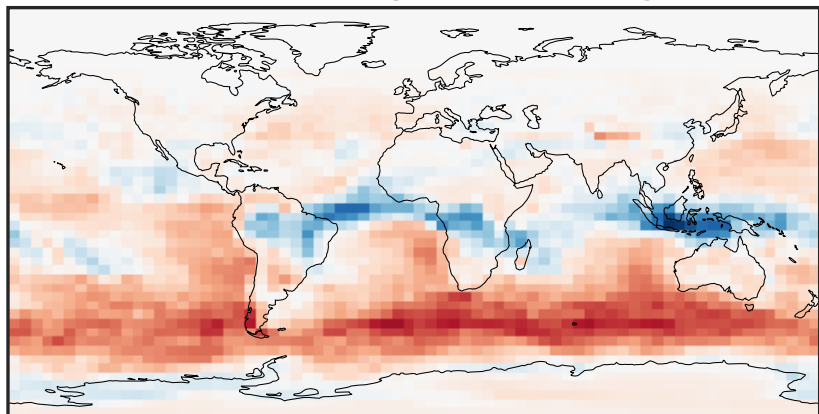
0.0000 0.0001 0.0002 0.0003  
s-1

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



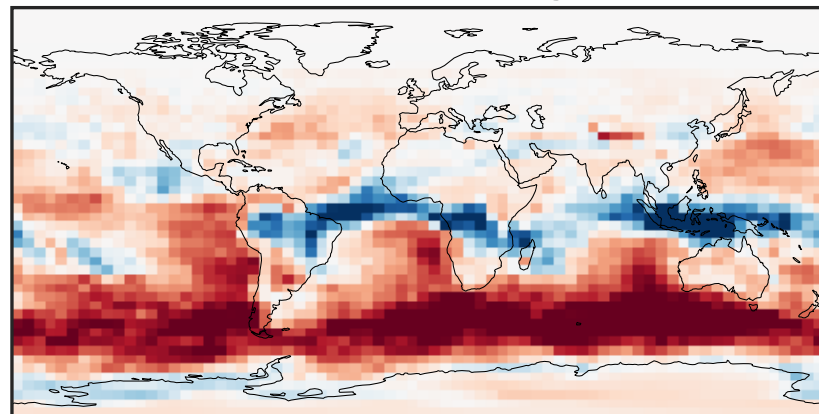
0.0000 0.0001 0.0002 0.0003  
s-1

Difference  
Dev - Ref, Dynamic Range



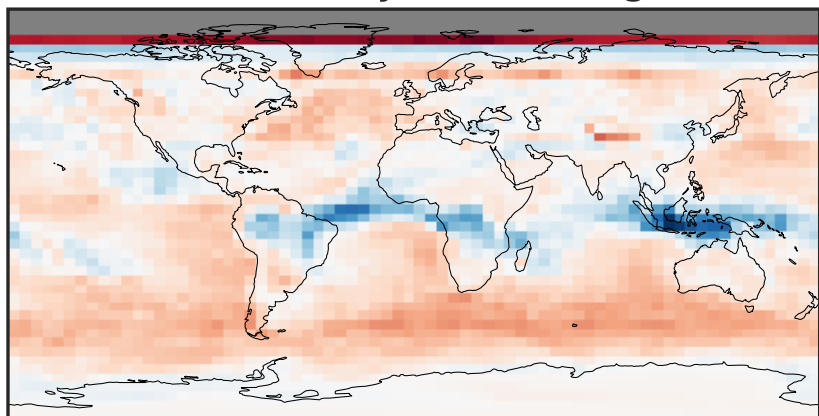
-5 0 5  
s-1 1e-6

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



-2.5 0.0 2.5  
s-1 1e-6

Ratio  
Dev/Ref, Dynamic Range



0.9445 0.9723 1.0000 1.0294 1.0588  
unitless

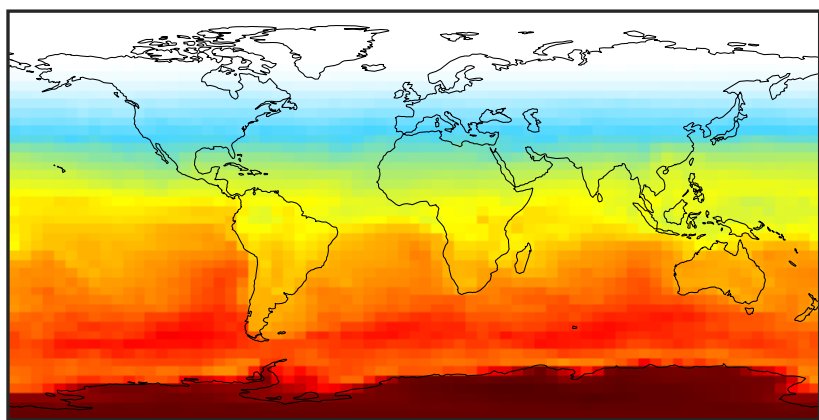
Ratio  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

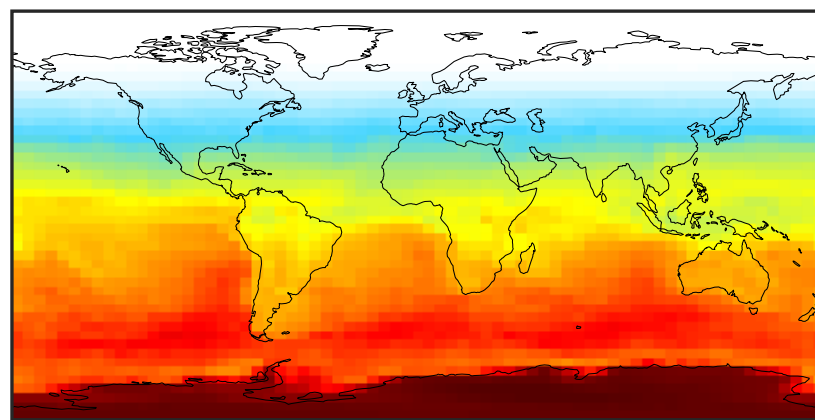
# Jval\_MCRHN (Jan2019)

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



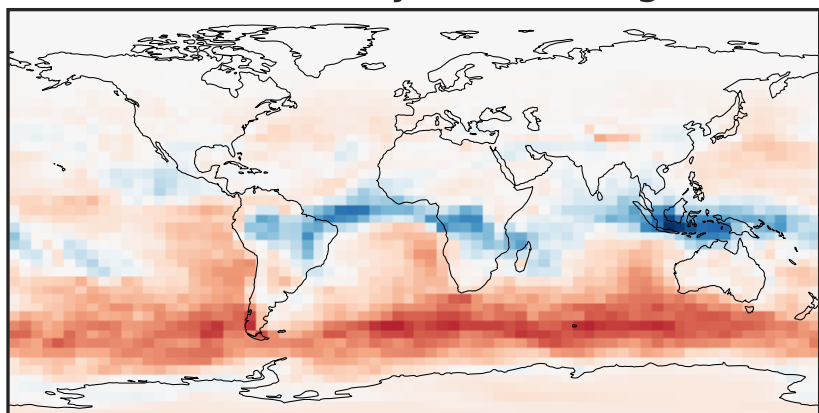
0.0000 0.0001 0.0002 0.0003  
s-1

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



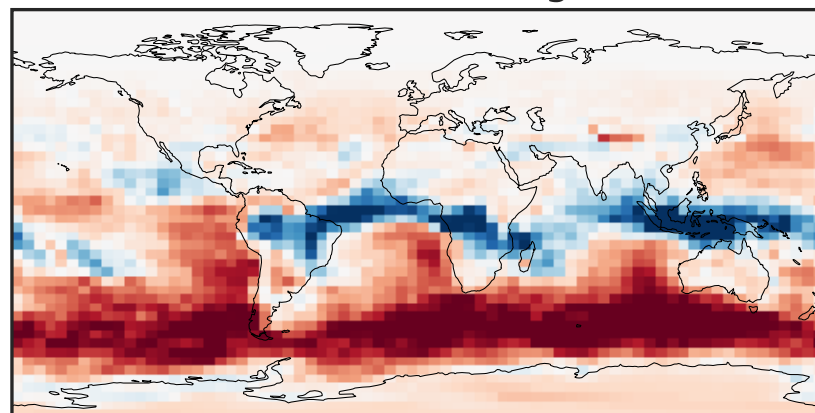
0.0000 0.0001 0.0002 0.0003  
s-1

Difference  
Dev - Ref, Dynamic Range



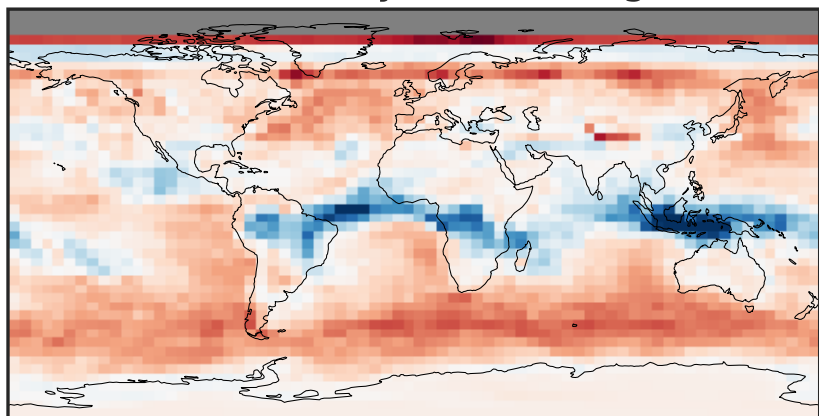
-6 0 6  
s-1 1e-6

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



-3 0 3  
s-1 1e-6

Ratio  
Dev/Ref, Dynamic Range



0.95942 0.97971 1.00000 1.02115 1.04229  
unitless

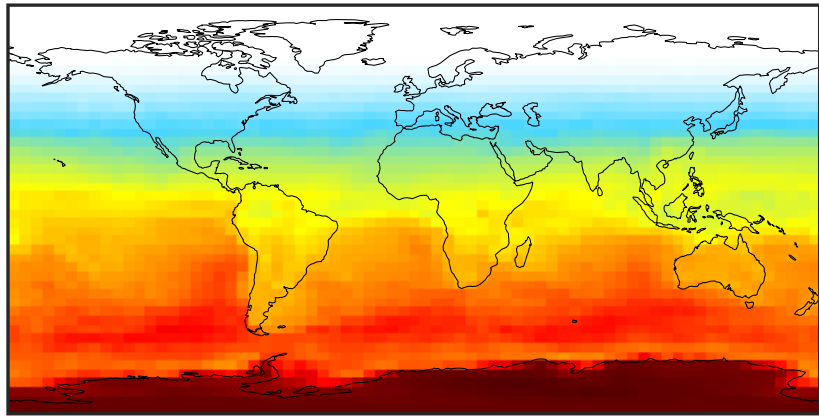
Ratio  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

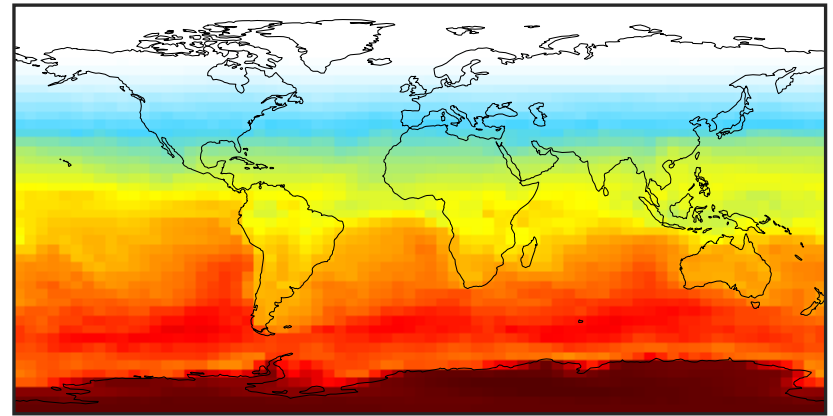
# Jval\_MCRHNB (Jan2019)

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



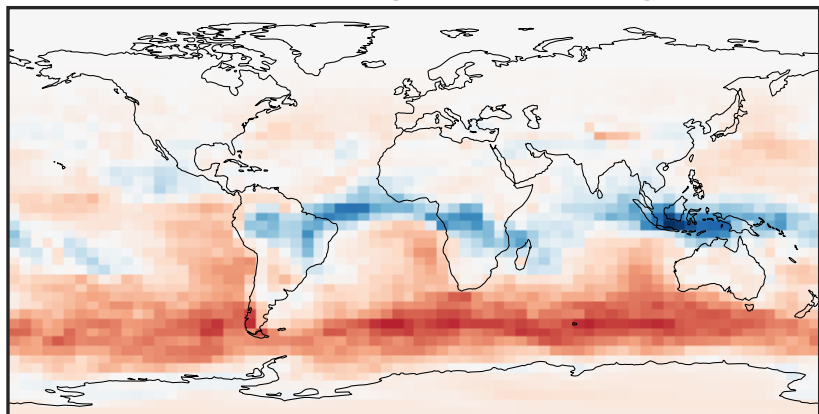
0.0 2.5 5.0 7.5  $1e-5$   
s-1

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



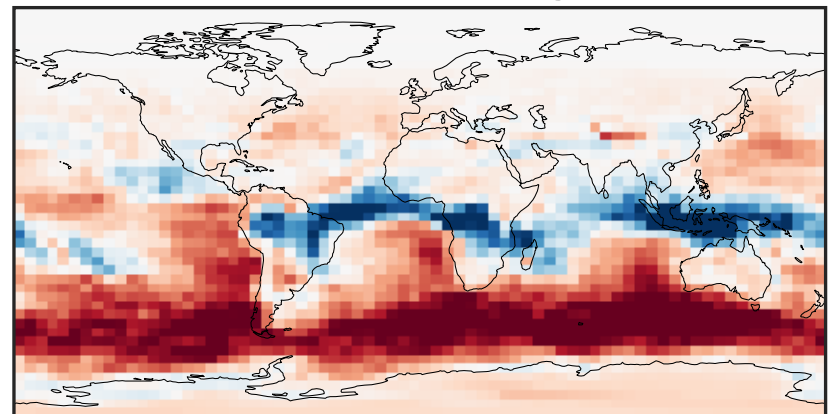
0.0 2.5 5.0 7.5  $1e-5$   
s-1

Difference  
Dev - Ref, Dynamic Range



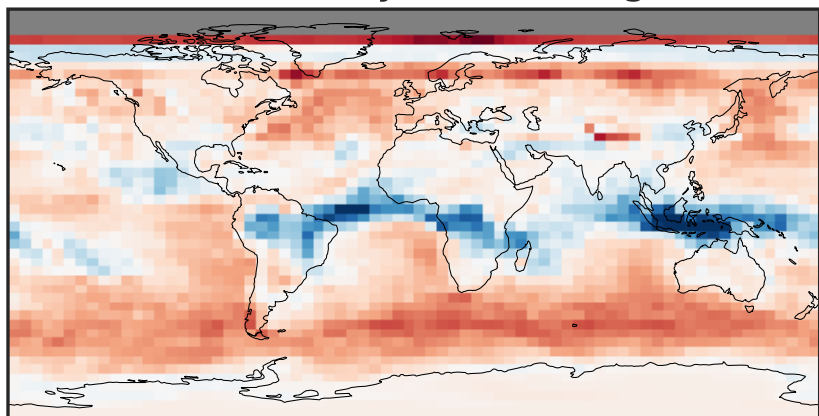
-1.5 0.0 1.5  $1e-6$   
s-1

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



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

Ratio  
Dev/Ref, Dynamic Range



0.95927 0.97964 1.00000 1.02123 1.04246  
unitless

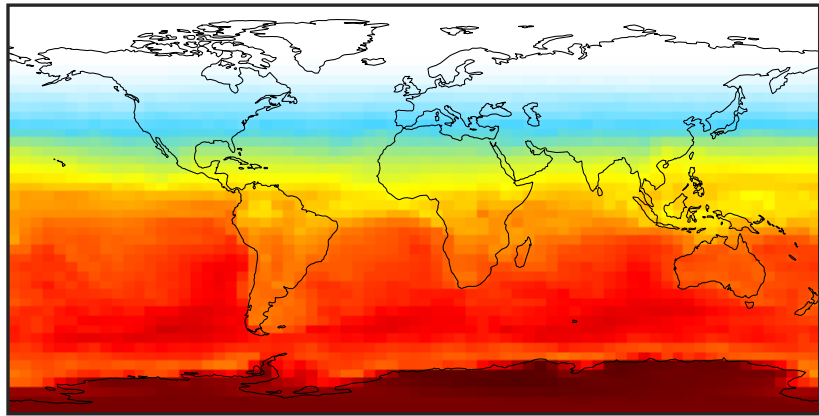
Ratio  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

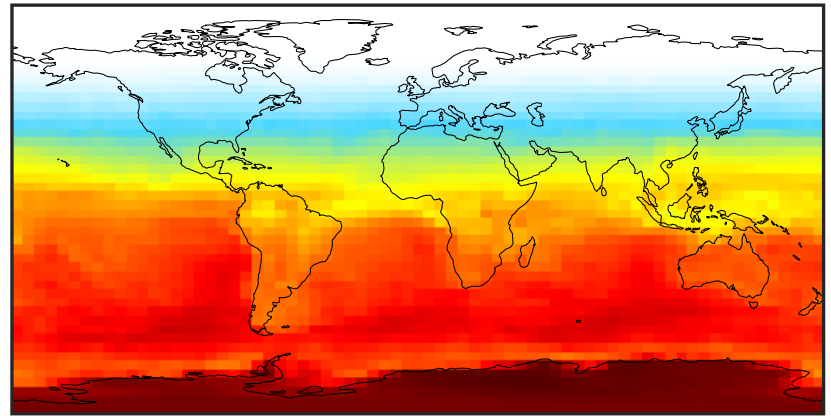
# Jval\_MCRHP (Jan2019)

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



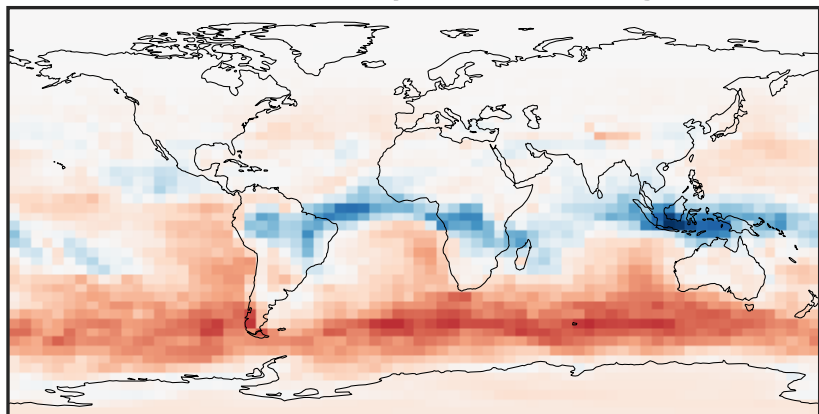
0.0 1.5 3.0 4.5  
s-1  $1e-5$

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



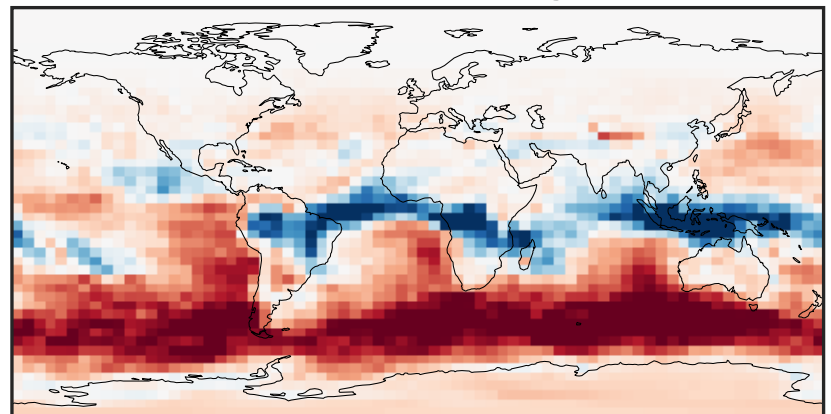
0.0 1.5 3.0 4.5  
s-1  $1e-5$

Difference  
Dev - Ref, Dynamic Range



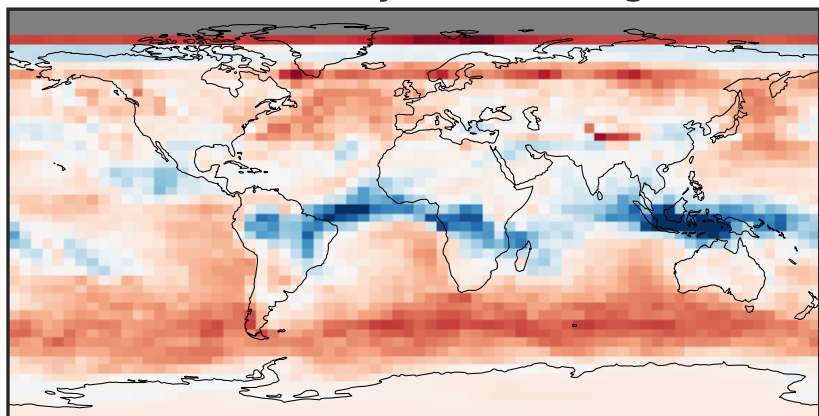
-8 0 8  
s-1  $1e-7$

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



-4 0 4  
s-1  $1e-7$

Ratio  
Dev/Ref, Dynamic Range



0.96169 0.98085 1.00000 1.01992 1.03983  
unitless

Ratio  
Dev/Ref, Fixed Range

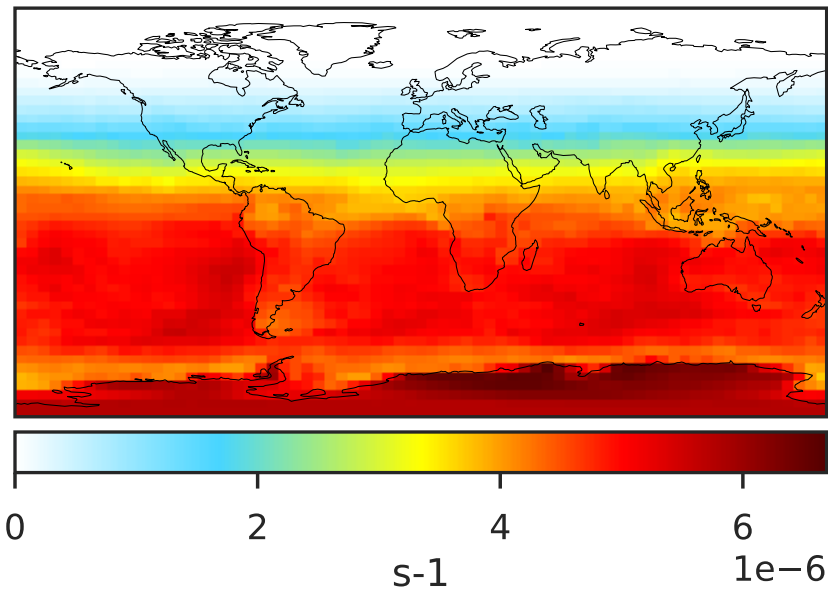


0.50 0.75 1.00 1.50 2.00  
unitless

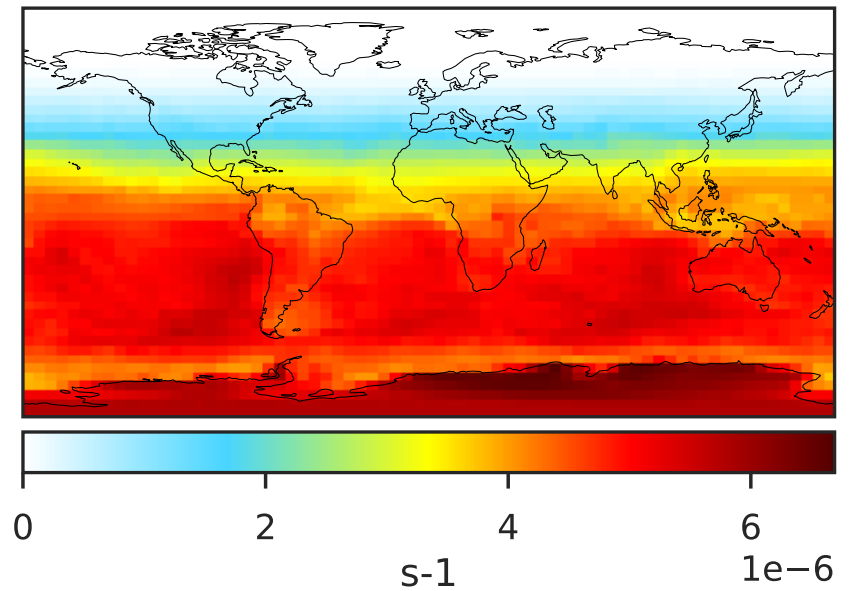


# Jval\_MEK (Jan2019)

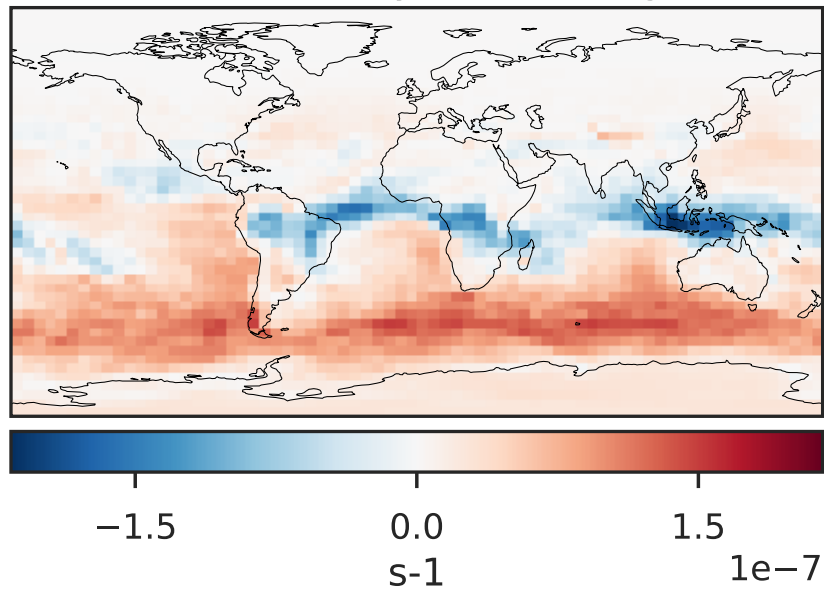
14.2.0-rc.2 (Ref)  
4.0x5.0



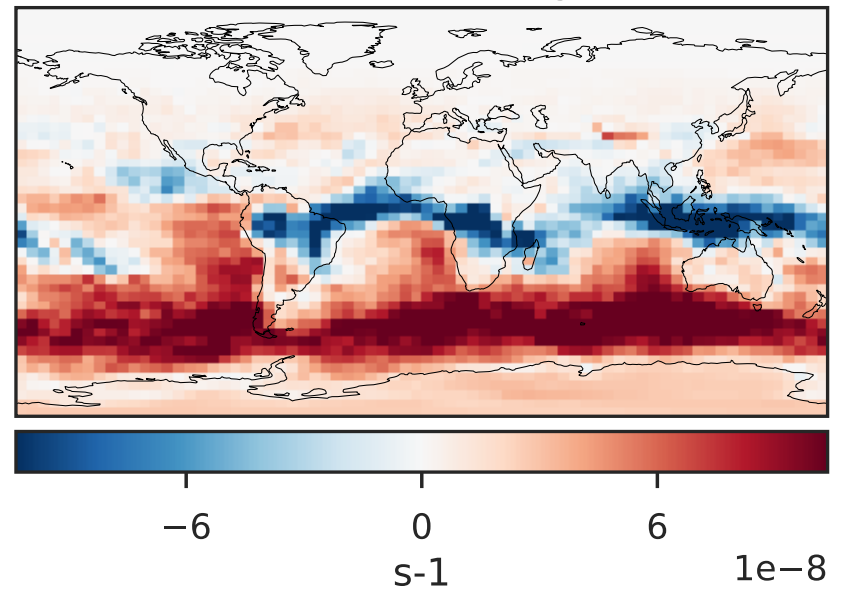
14.3.0-rc.0 (Dev)  
4.0x5.0



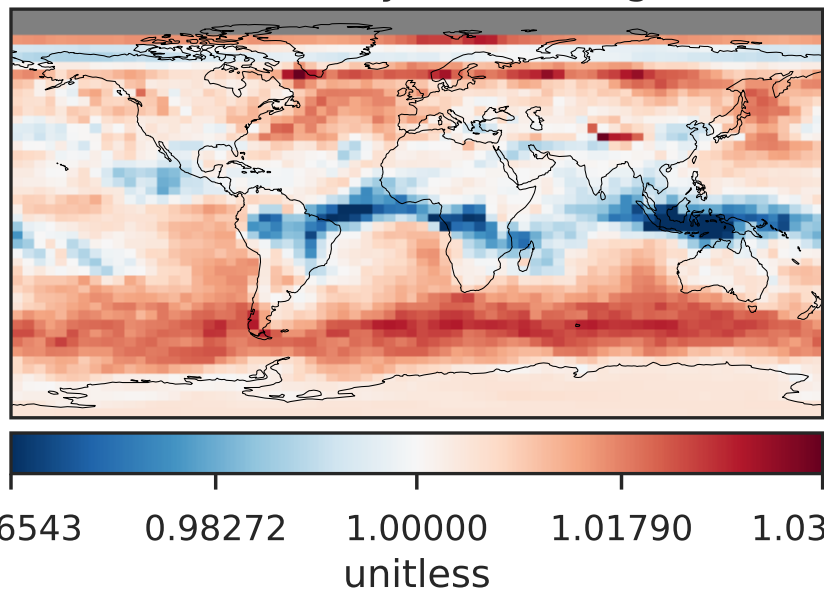
Difference  
Dev - Ref, Dynamic Range



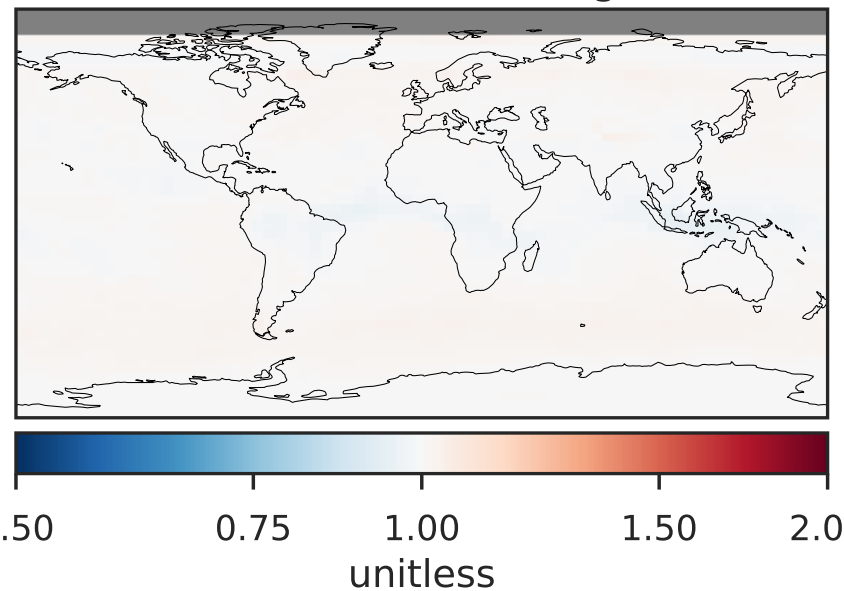
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

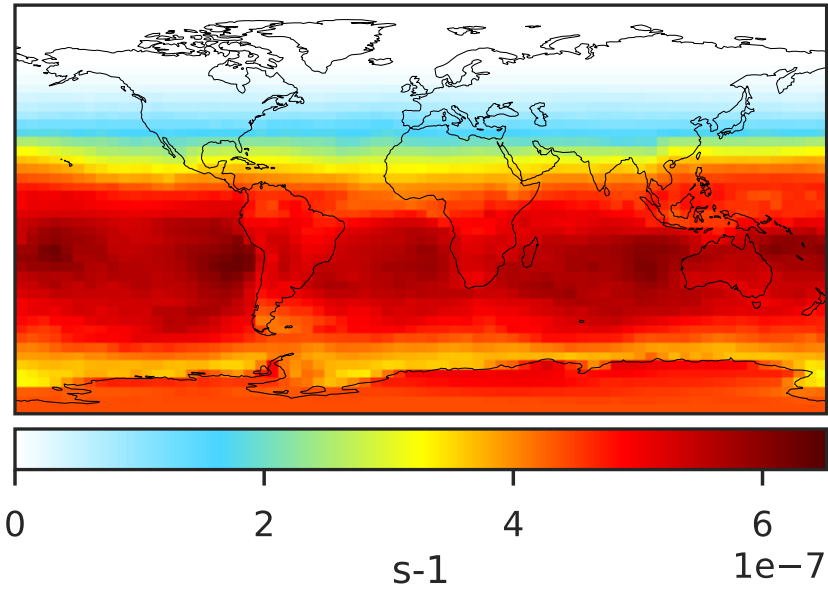


Ratio  
Dev/Ref, Fixed Range

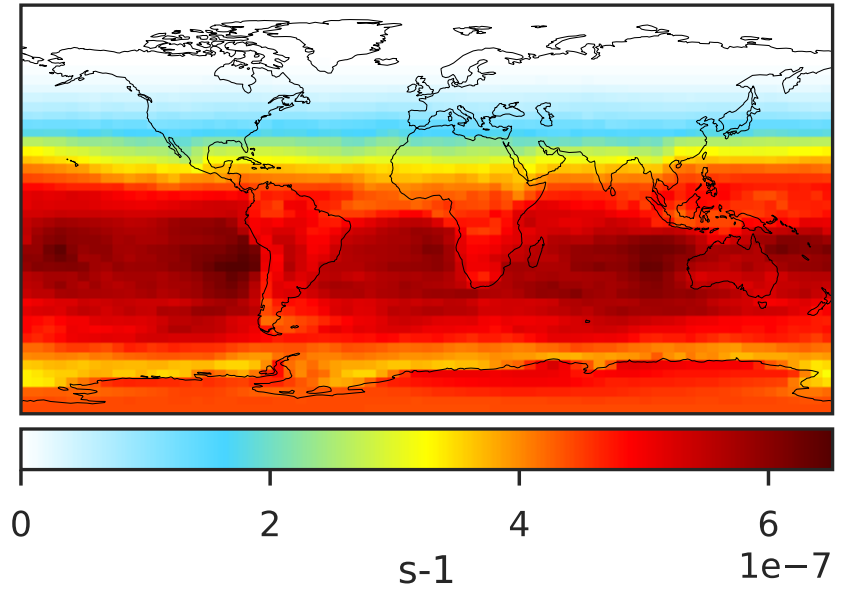


# Jval\_MENO3 (Jan2019)

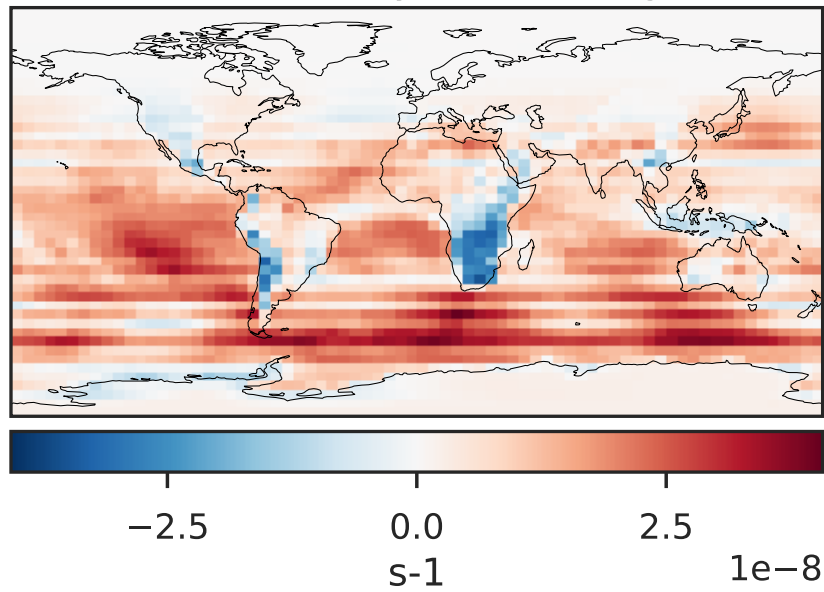
14.2.0-rc.2 (Ref)  
4.0x5.0



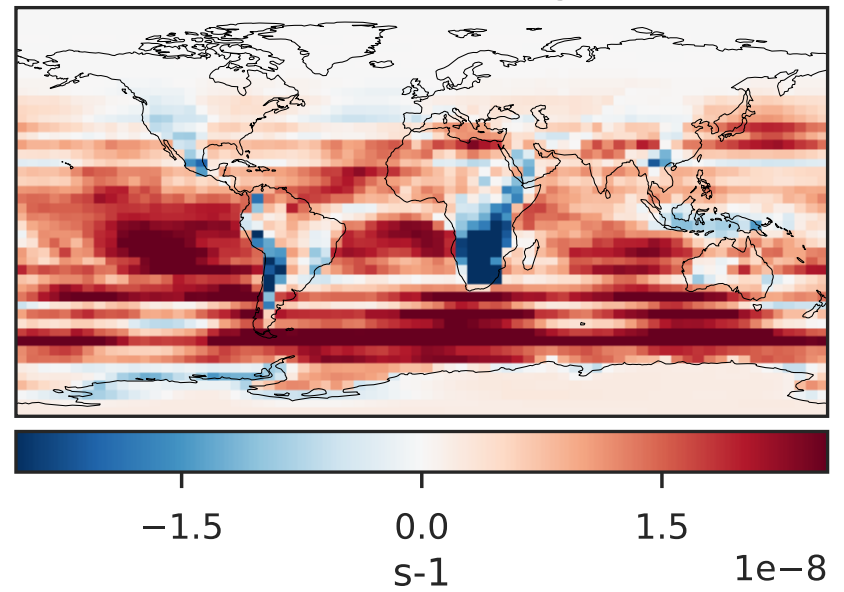
14.3.0-rc.0 (Dev)  
4.0x5.0



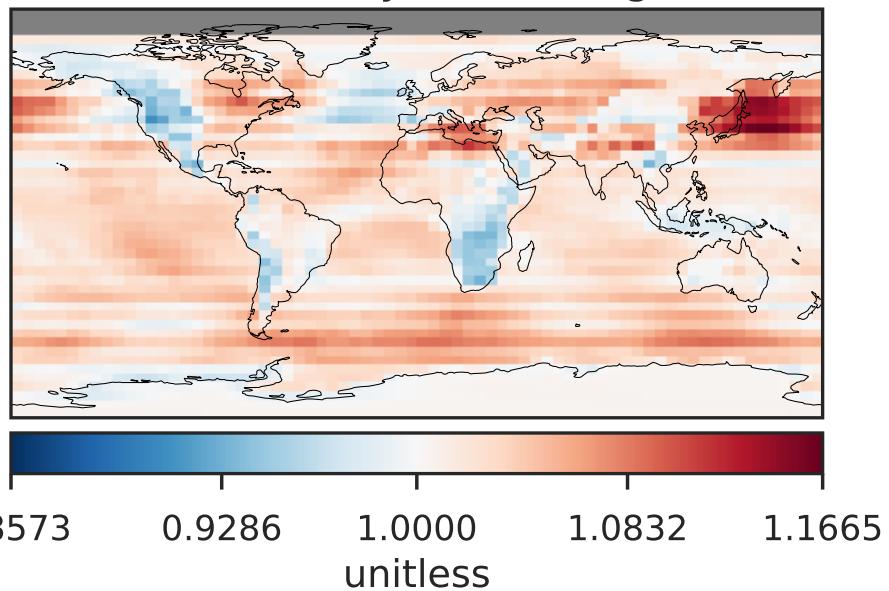
Difference  
Dev - Ref, Dynamic Range



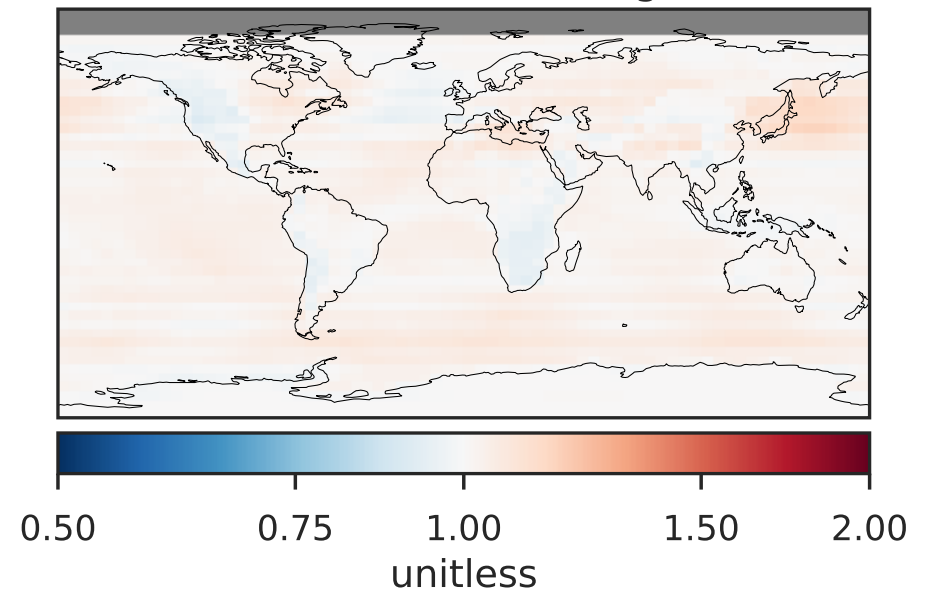
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

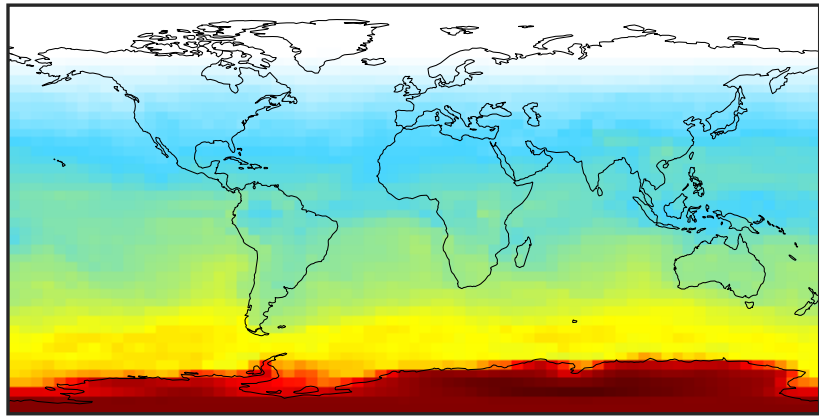


Ratio  
Dev/Ref, Fixed Range



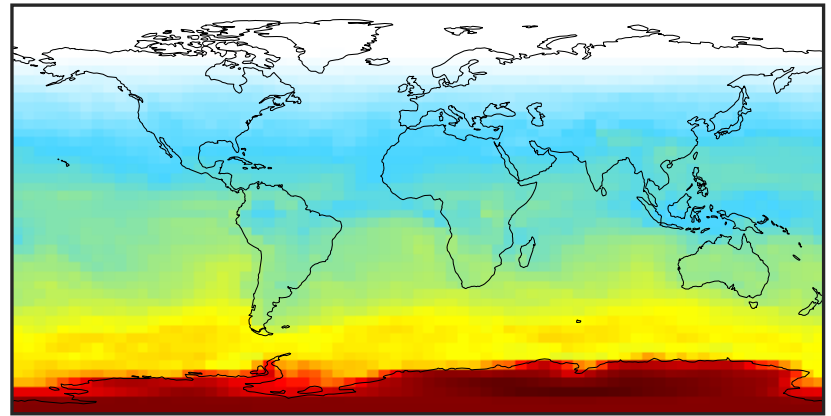
# Jval\_MGLY (Jan2019)

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



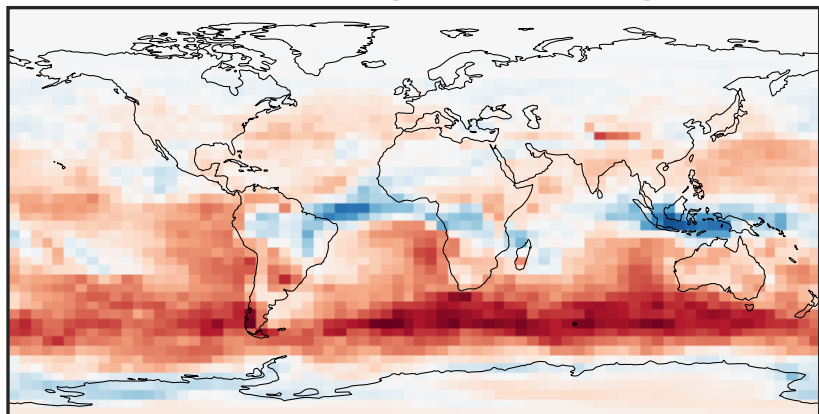
0.00000 0.00015 0.00030 0.00045  
s-1

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



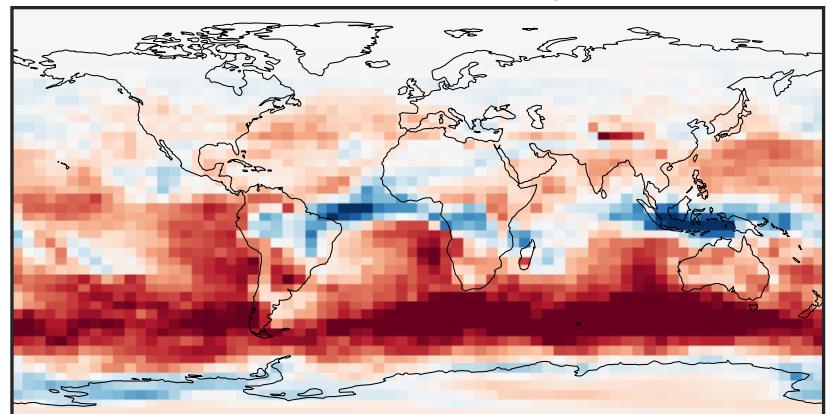
0.00000 0.00015 0.00030 0.00045  
s-1

Difference  
Dev - Ref, Dynamic Range



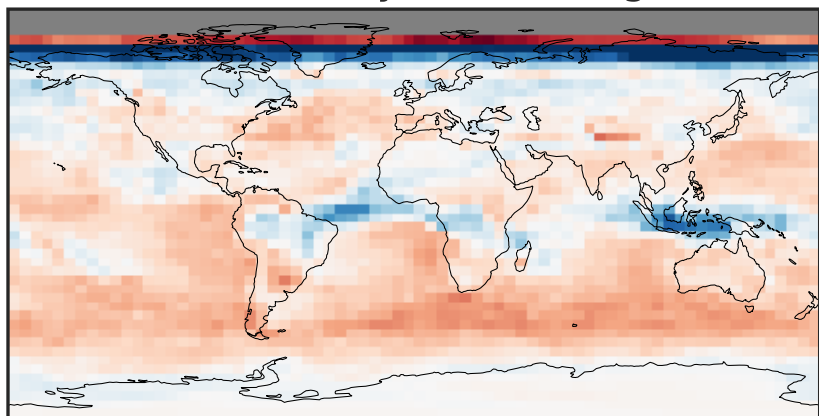
-4 0 4  
s-1 1e-6

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



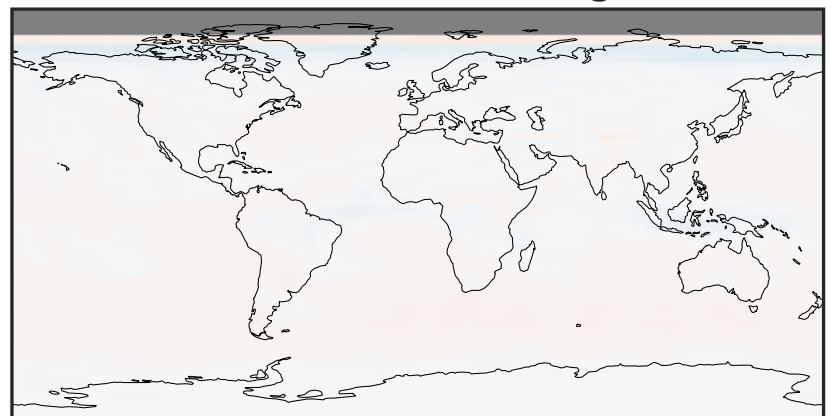
-2.5 0.0 2.5  
s-1 1e-6

Ratio  
Dev/Ref, Dynamic Range



0.9394 0.9697 1.0000 1.0323 1.0645  
unitless

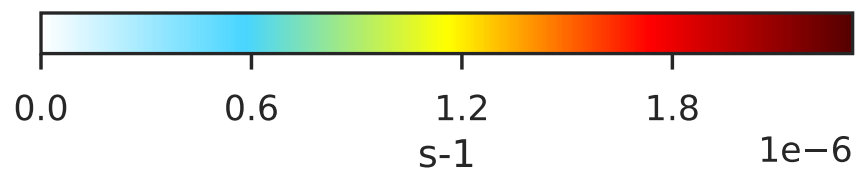
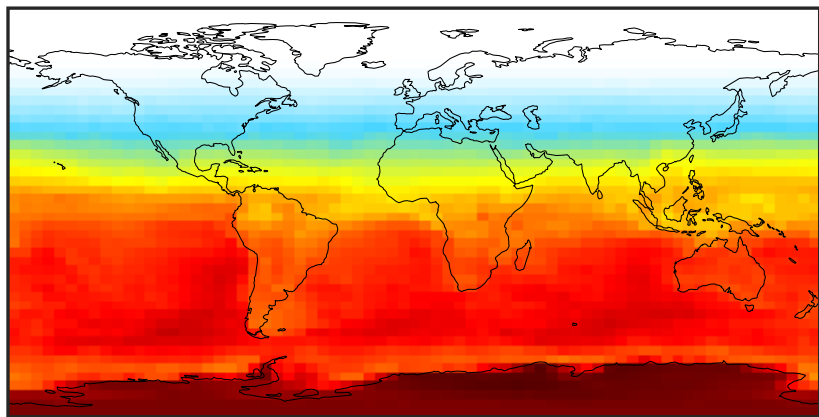
Ratio  
Dev/Ref, Fixed Range



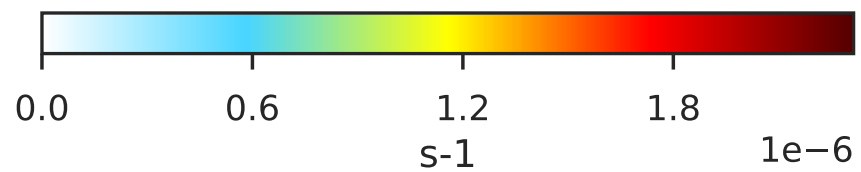
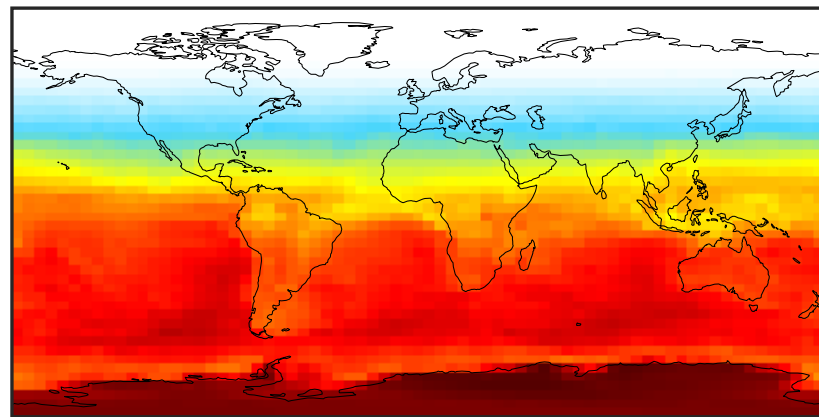
0.50 0.75 1.00 1.50 2.00  
unitless

# Jval\_MONITS (Jan2019)

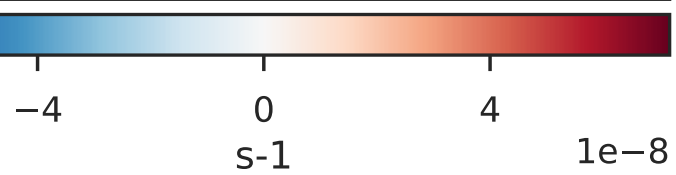
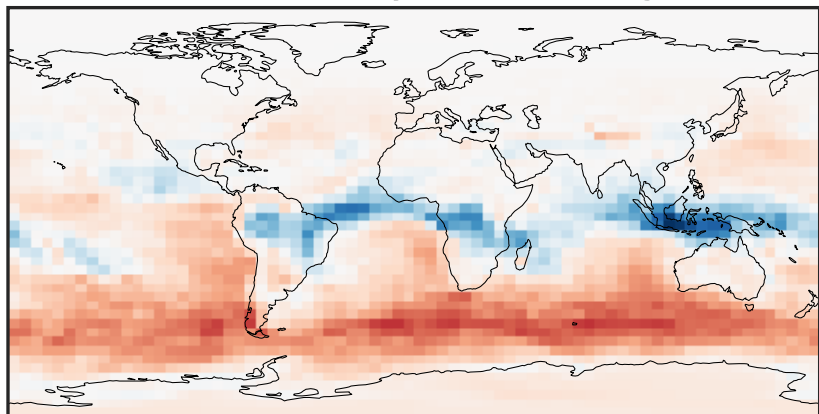
14.2.0-rc.2 (Ref)  
4.0x5.0



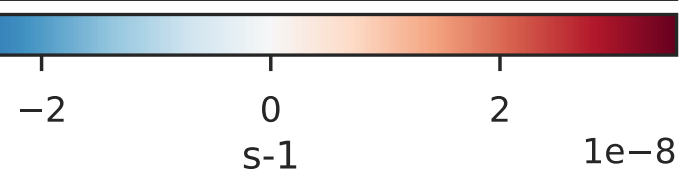
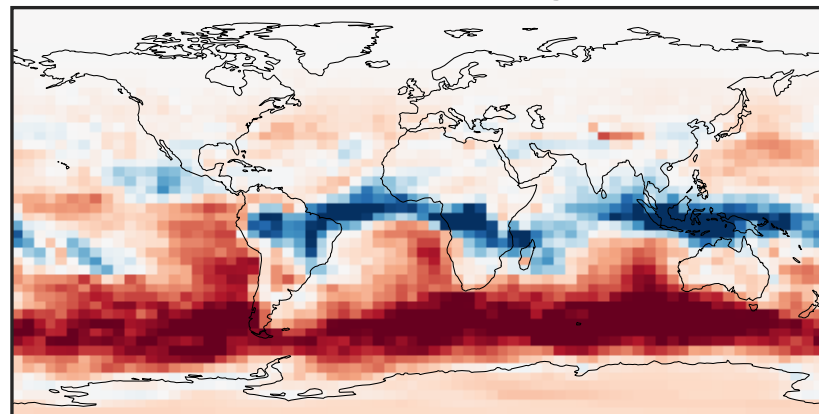
14.3.0-rc.0 (Dev)  
4.0x5.0



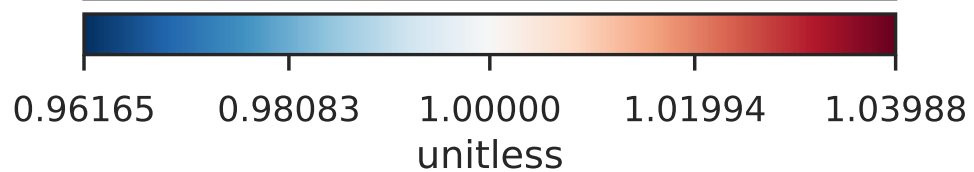
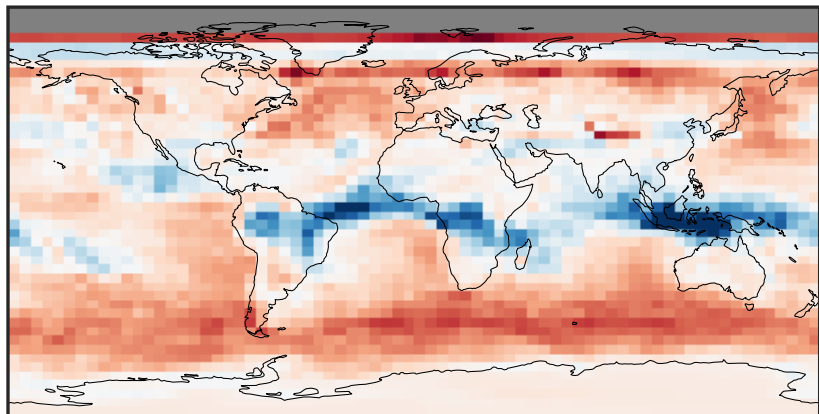
Difference  
Dev - Ref, Dynamic Range



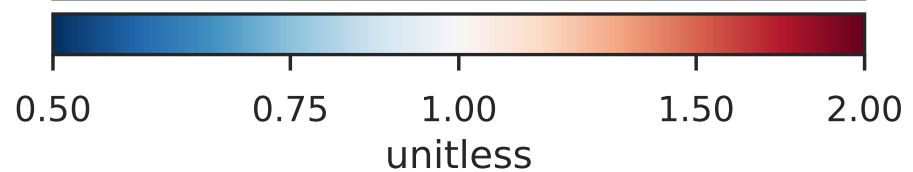
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



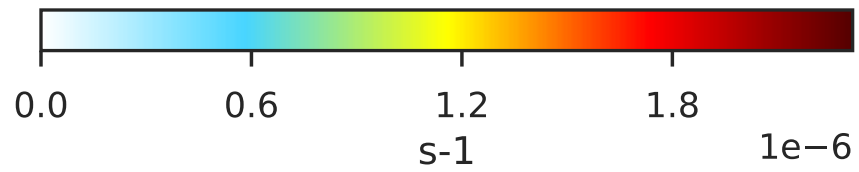
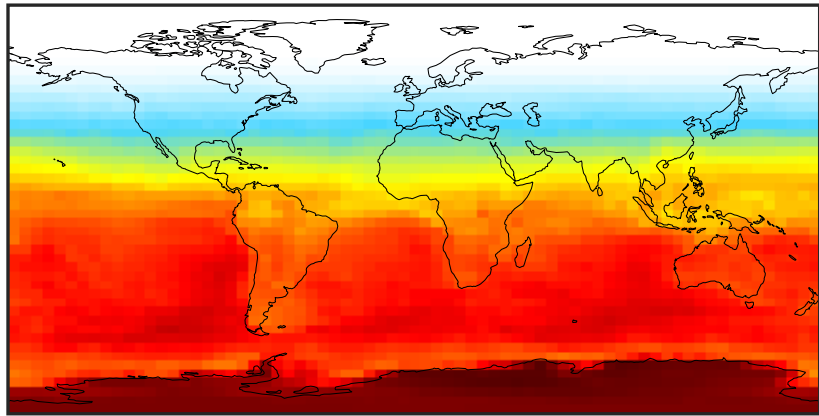
Ratio  
Dev/Ref, Fixed Range



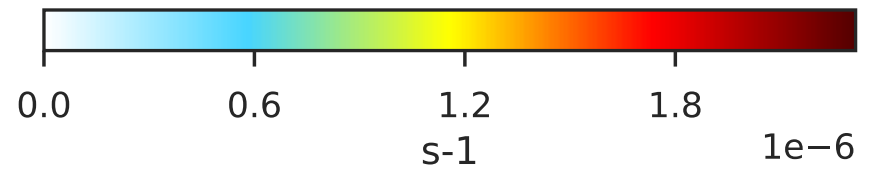
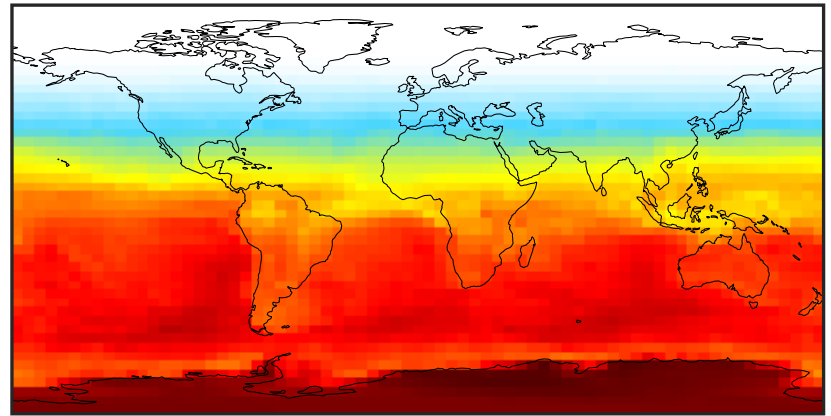


# Jval\_MONITU (Jan2019)

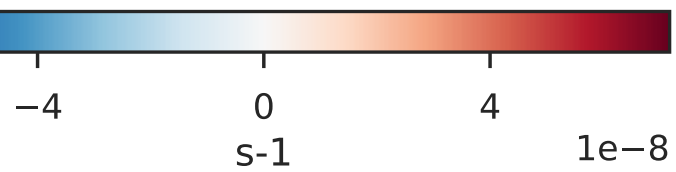
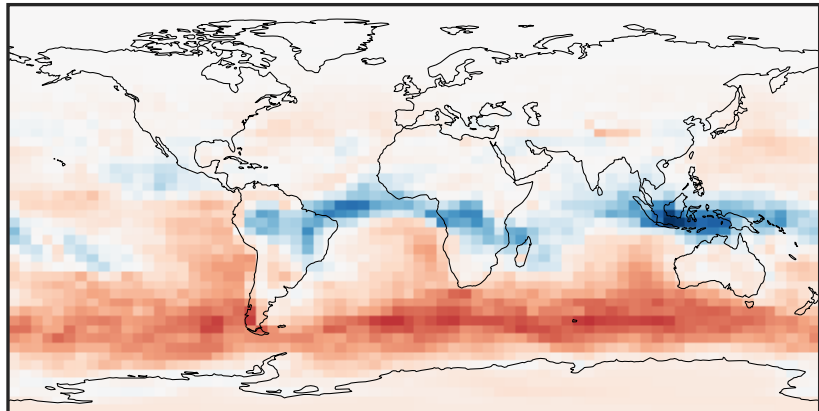
14.2.0-rc.2 (Ref)  
4.0x5.0



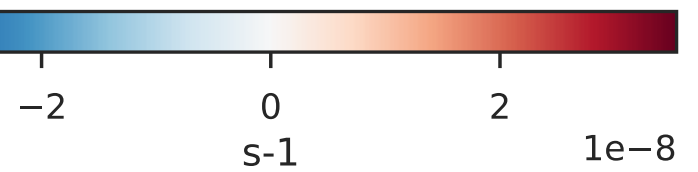
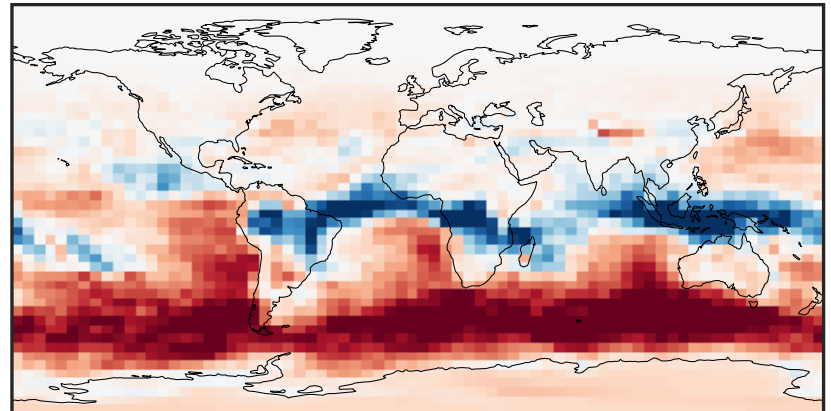
14.3.0-rc.0 (Dev)  
4.0x5.0



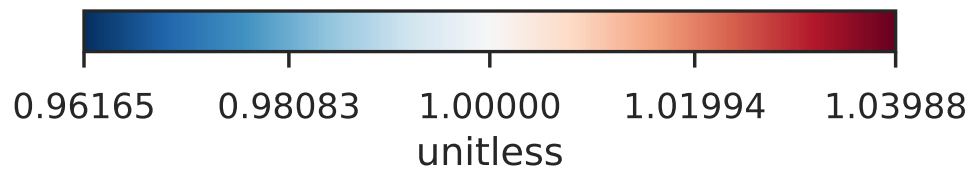
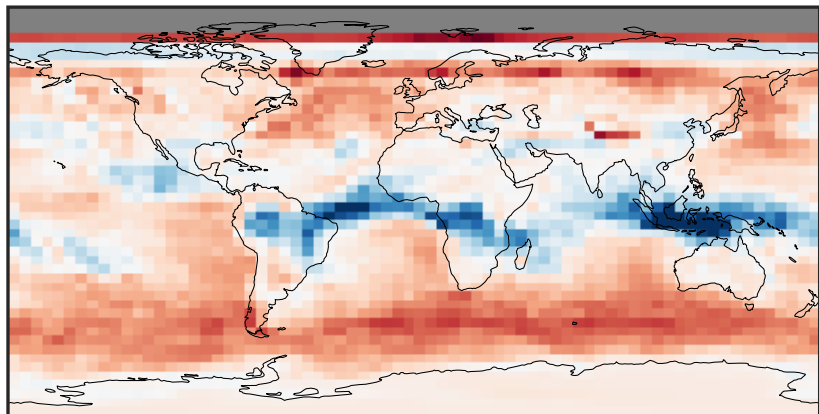
Difference  
Dev - Ref, Dynamic Range



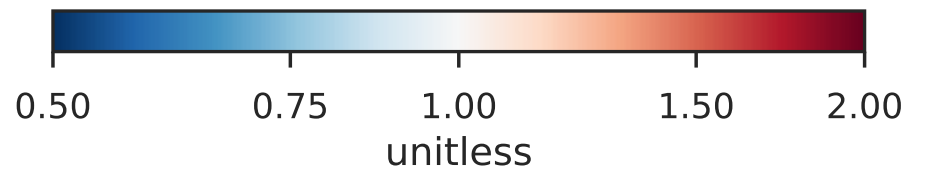
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

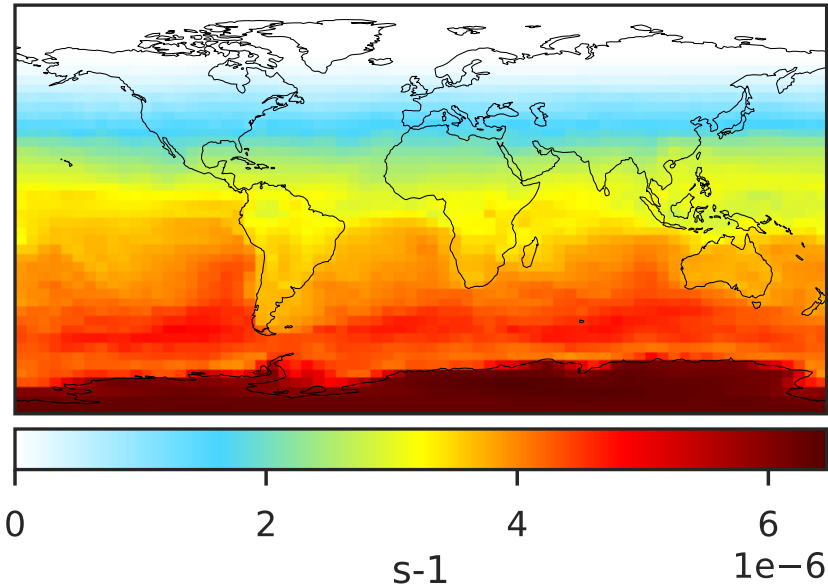


Ratio  
Dev/Ref, Fixed Range

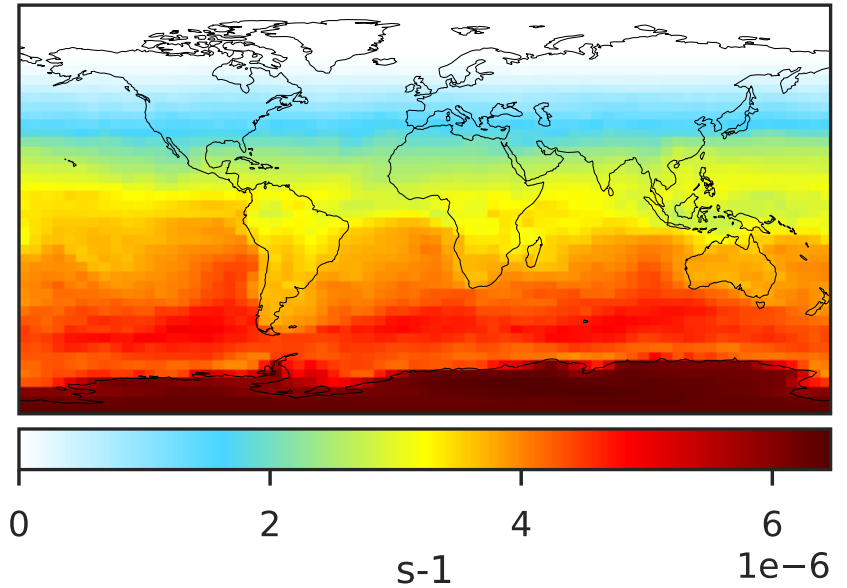


# Jval\_MP (Jan2019)

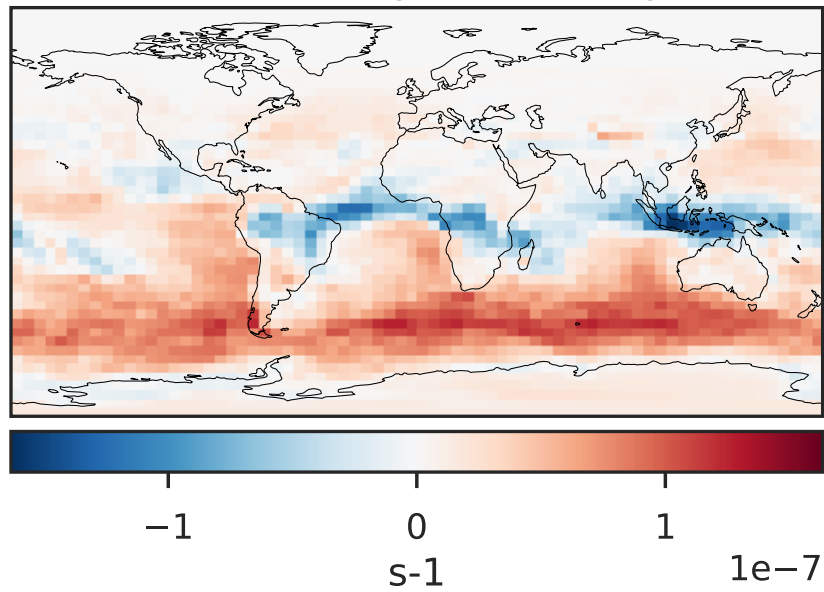
14.2.0-rc.2 (Ref)  
4.0x5.0



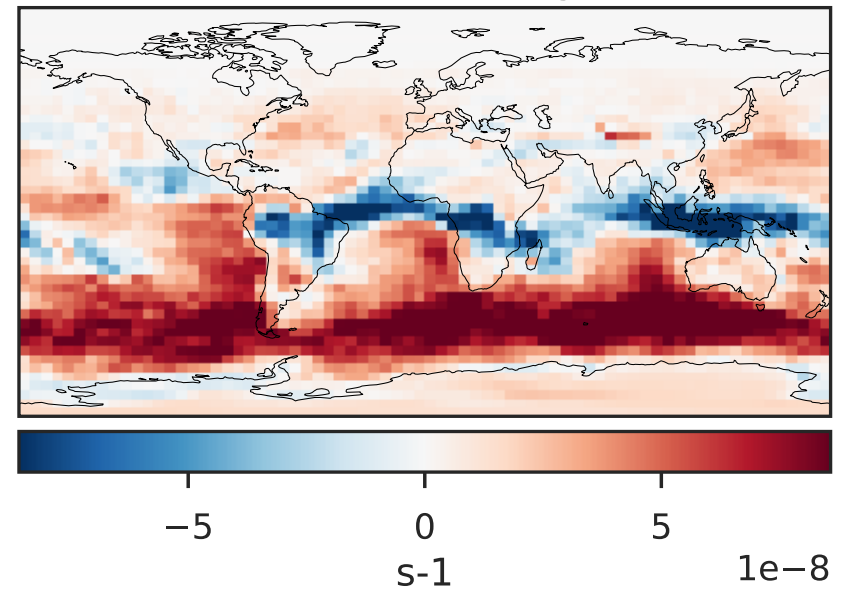
14.3.0-rc.0 (Dev)  
4.0x5.0



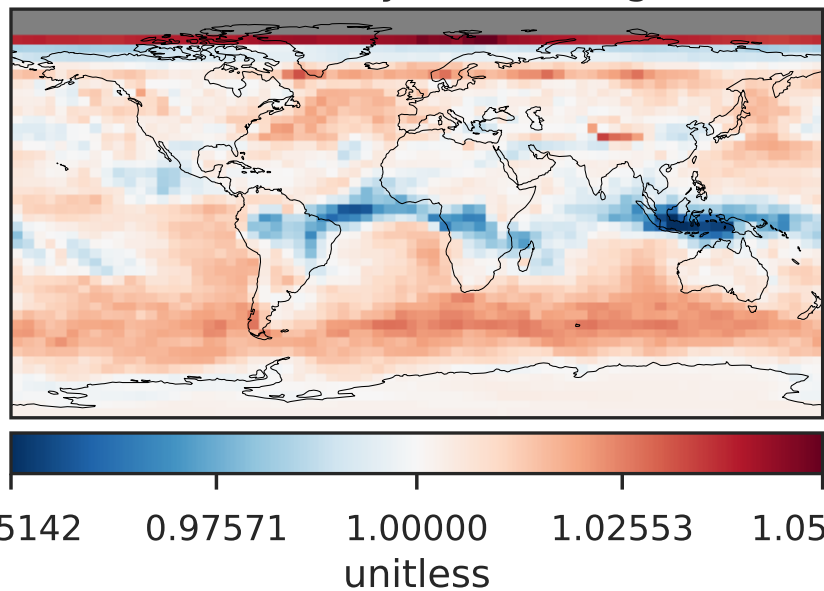
Difference  
Dev - Ref, Dynamic Range



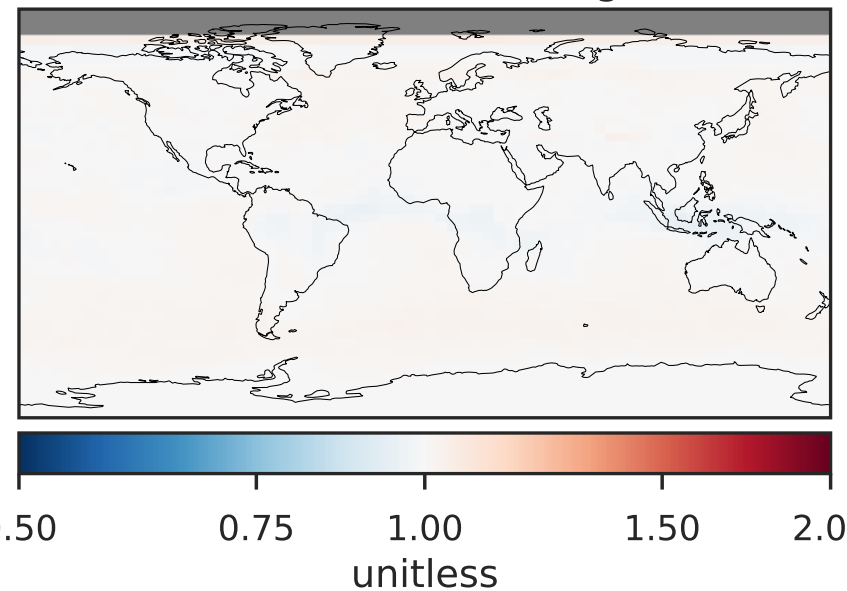
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

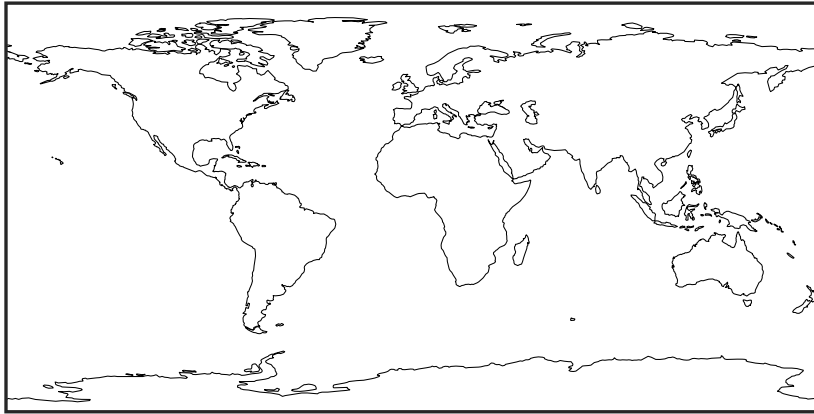


Ratio  
Dev/Ref, Fixed Range



# Jval\_MPAN (Jan2019)

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



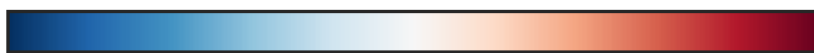
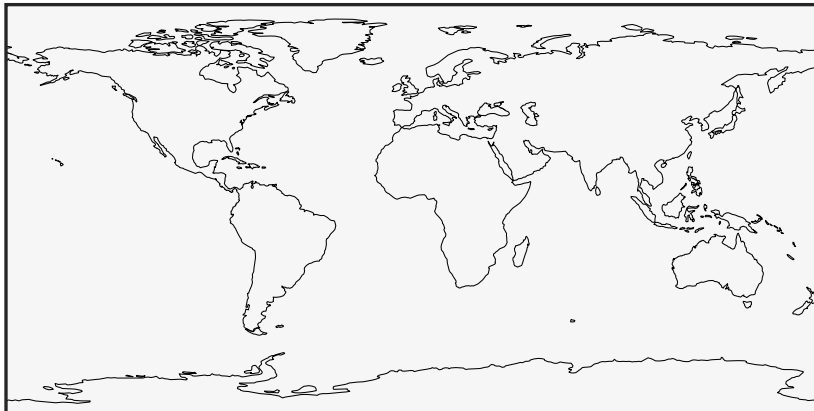
Zero throughput domain  
s-1

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



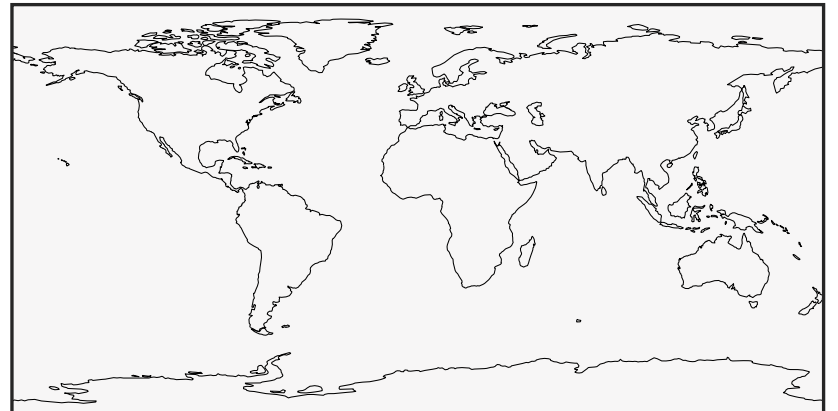
Zero throughput domain  
s-1

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

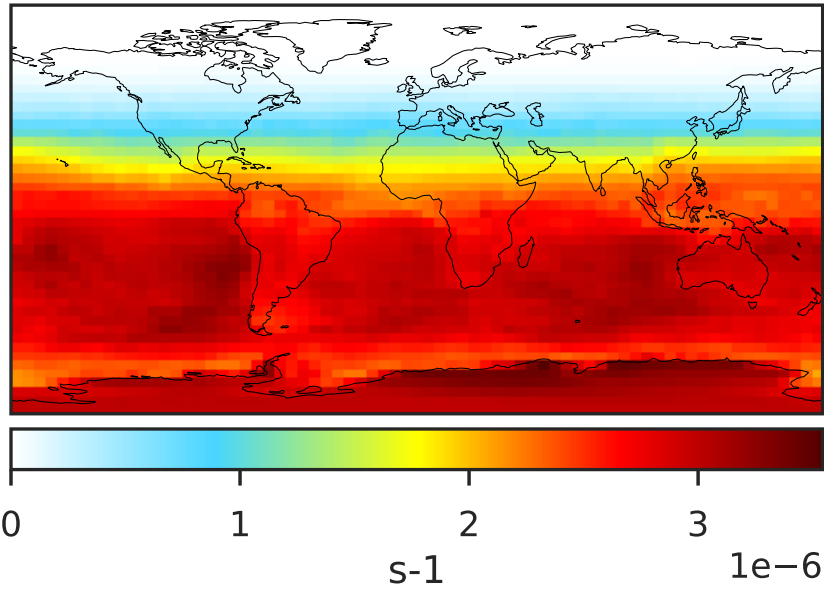
Ratio  
Dev/Ref, Fixed Range



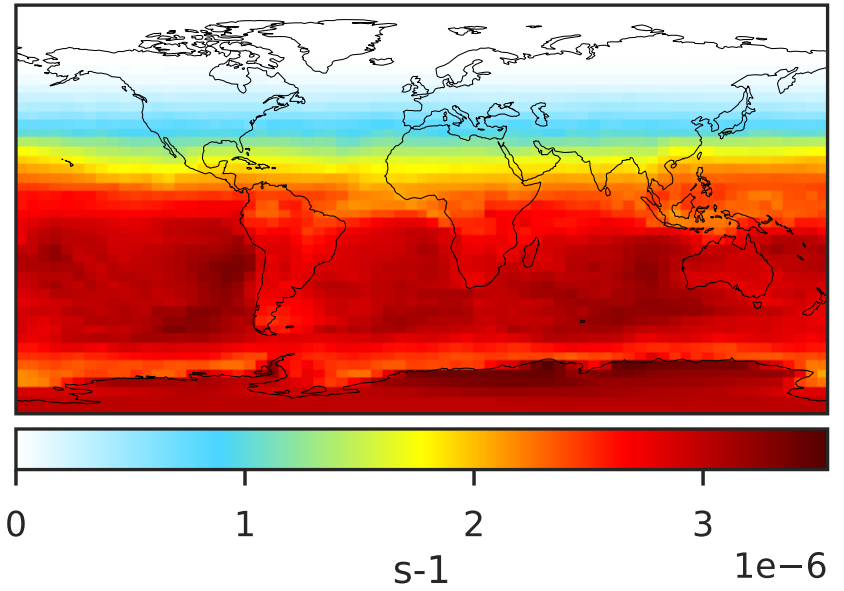
Undefined throughput domain  
unitless

# Jval\_MPN (Jan2019)

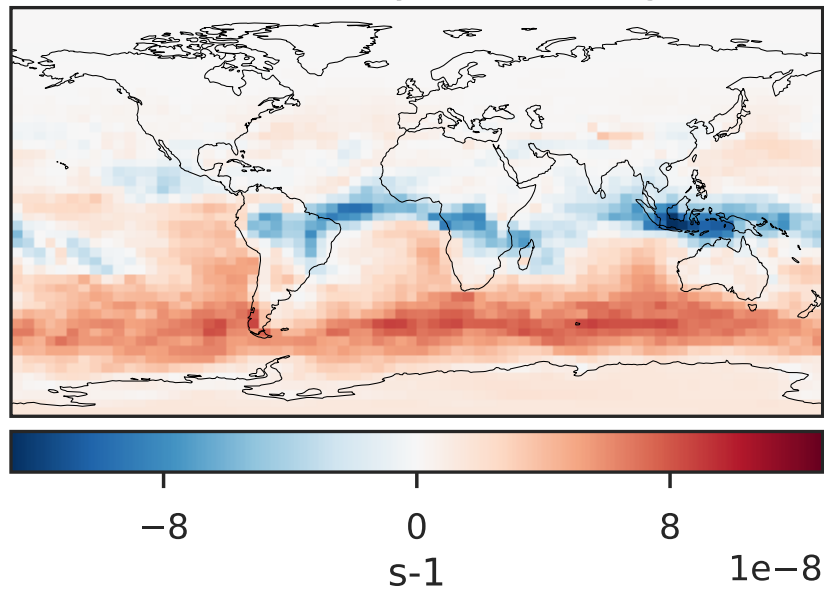
14.2.0-rc.2 (Ref)  
4.0x5.0



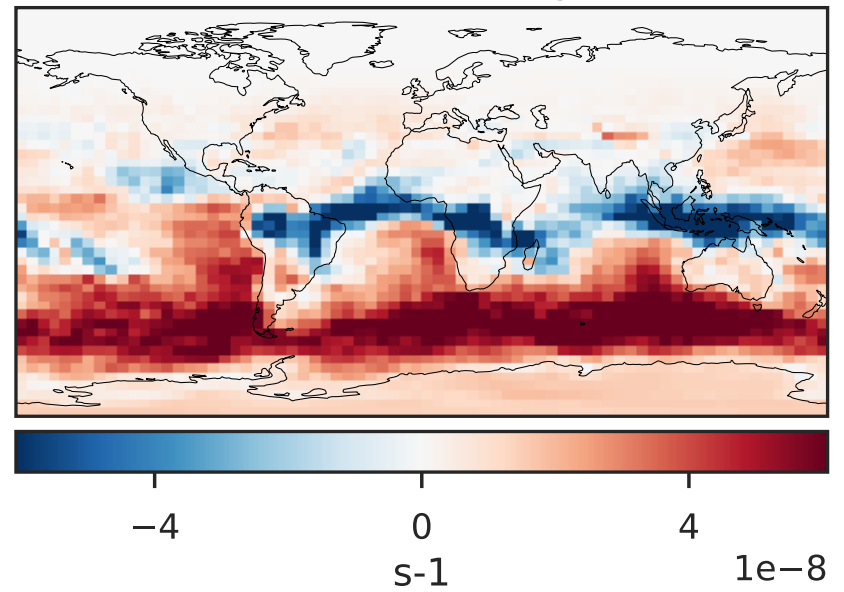
14.3.0-rc.0 (Dev)  
4.0x5.0



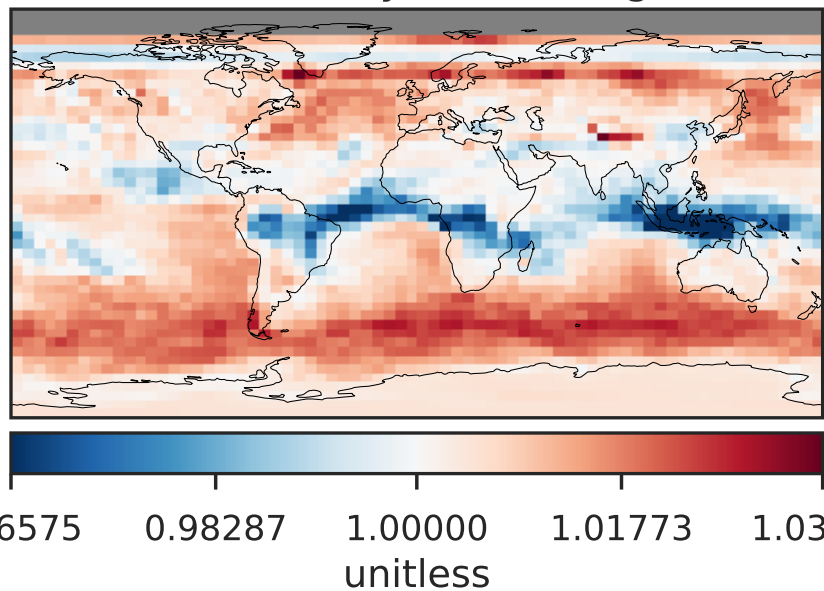
Difference  
Dev - Ref, Dynamic Range



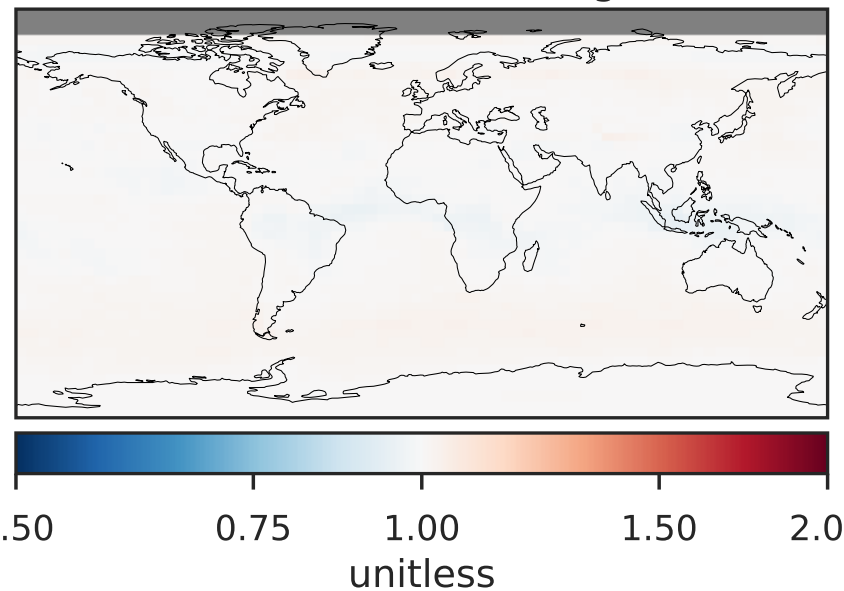
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



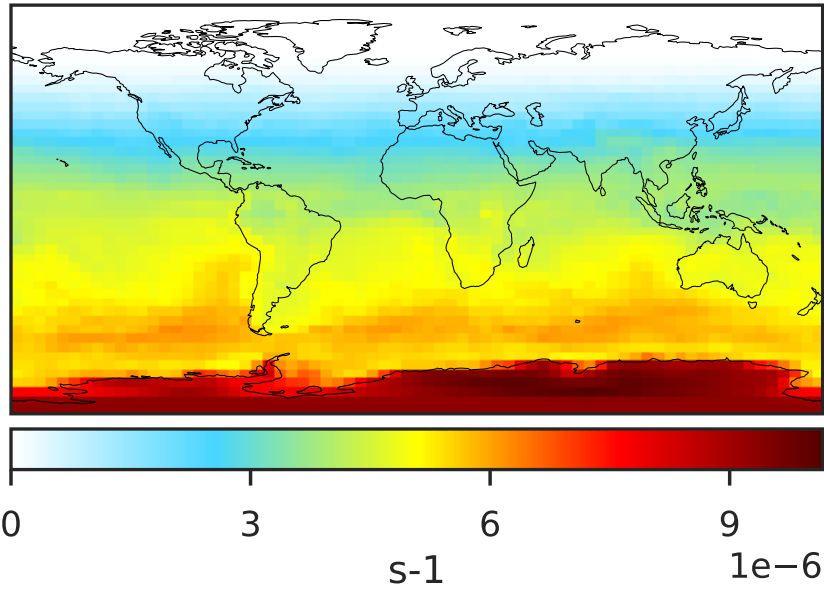
Ratio  
Dev/Ref, Fixed Range



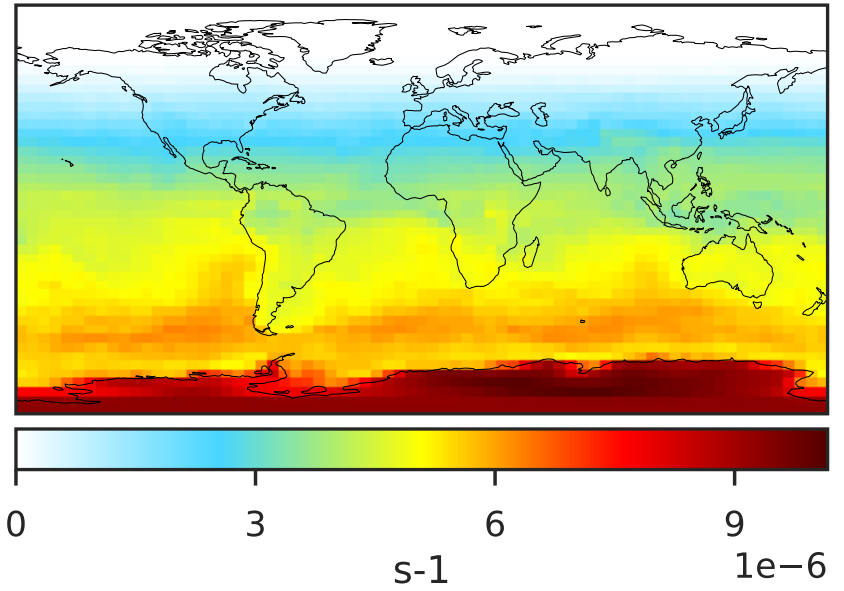


# Jval\_MVK (Jan2019)

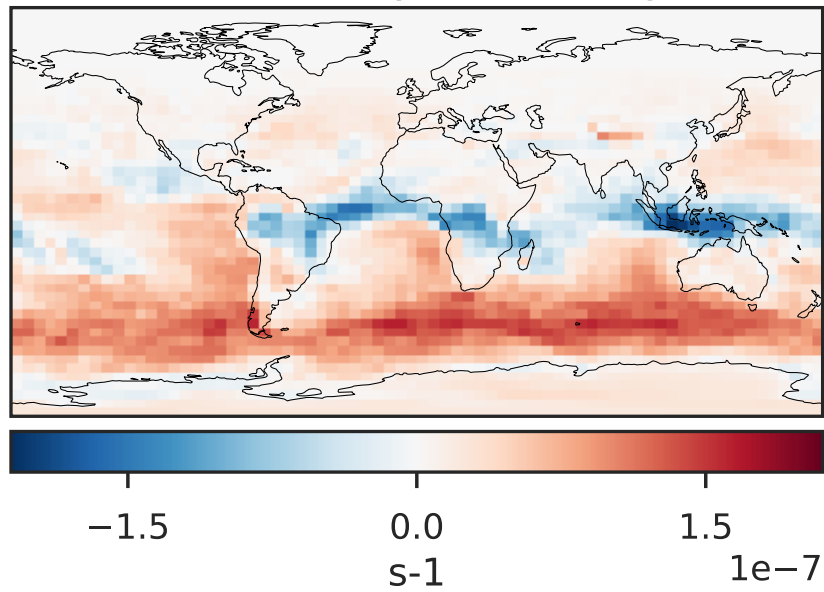
14.2.0-rc.2 (Ref)  
4.0x5.0



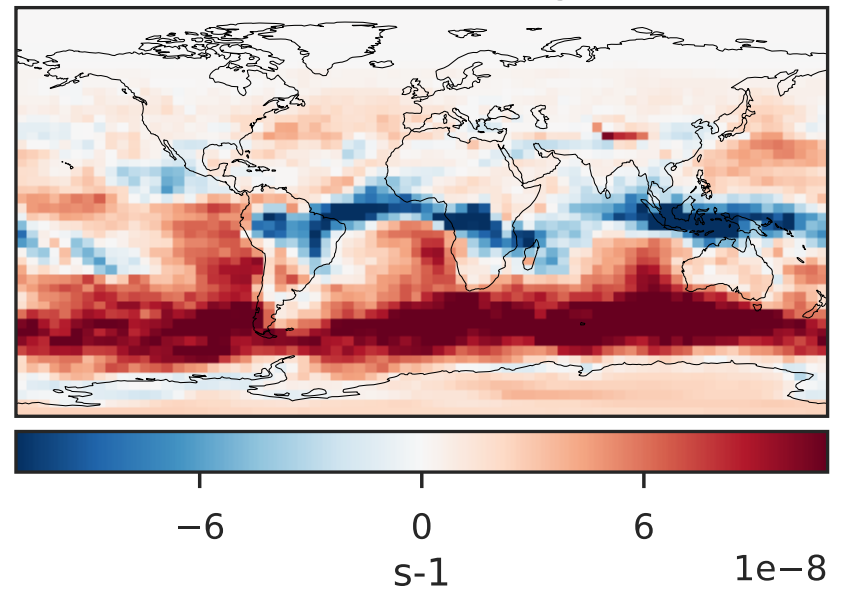
14.3.0-rc.0 (Dev)  
4.0x5.0



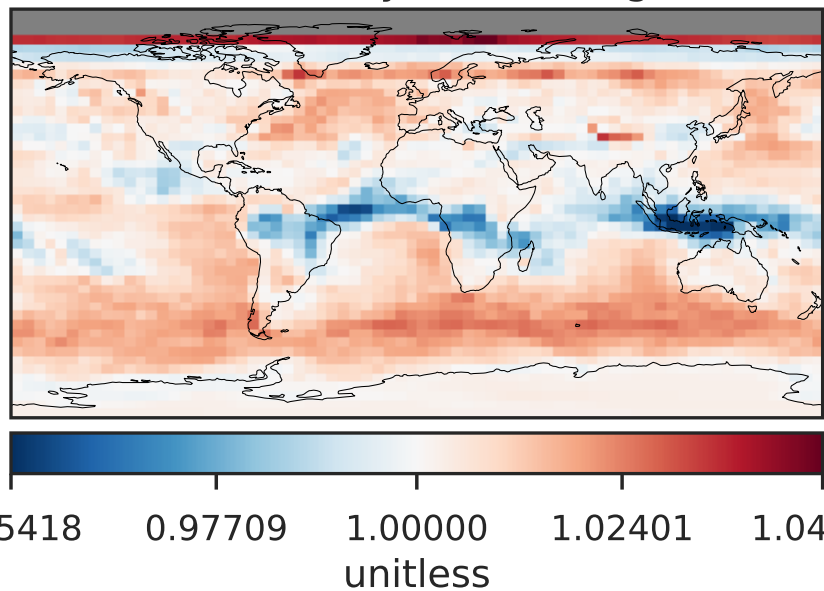
Difference  
Dev - Ref, Dynamic Range



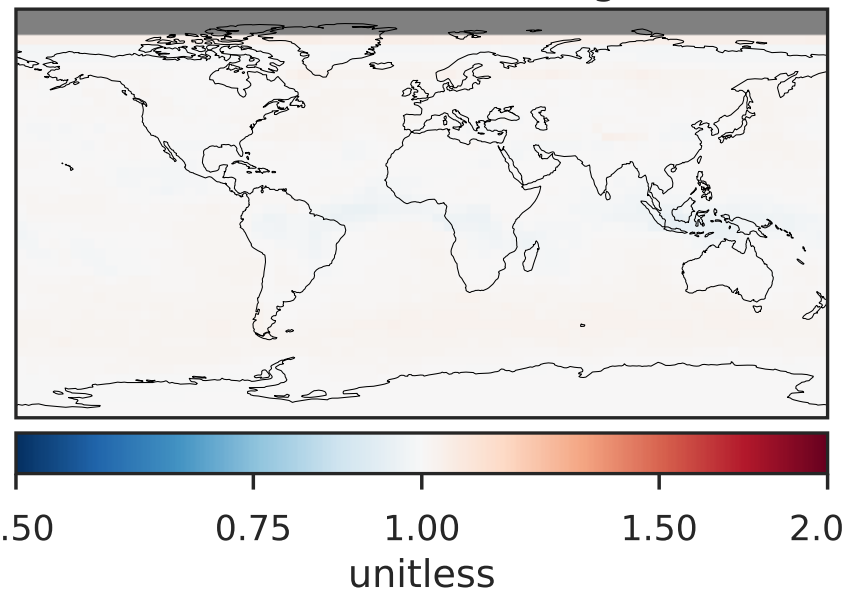
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

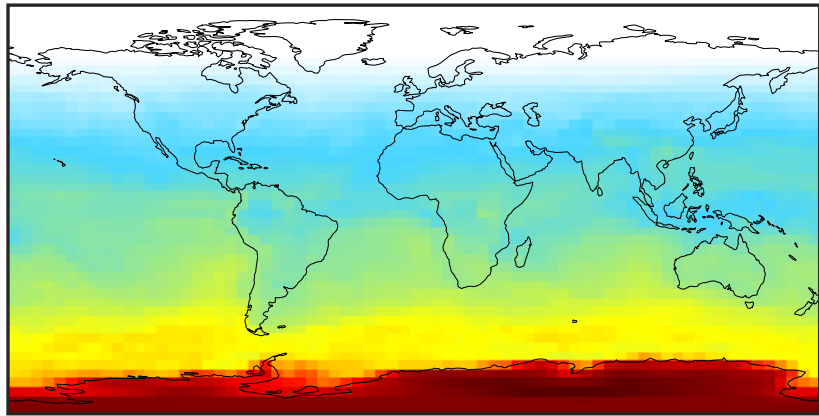


Ratio  
Dev/Ref, Fixed Range



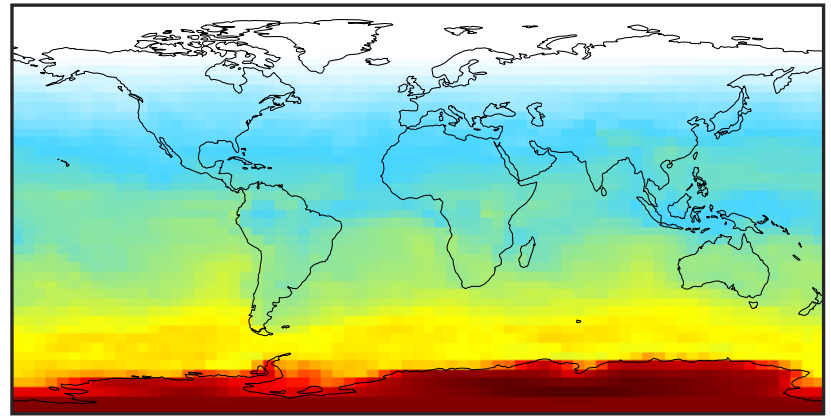
# Jval\_MVKHC (Jan2019)

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



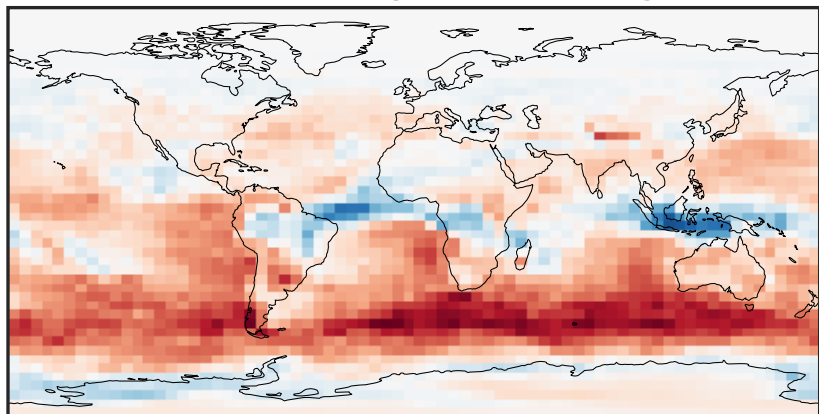
0.00000 0.00015 0.00030 0.00045  
s-1

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



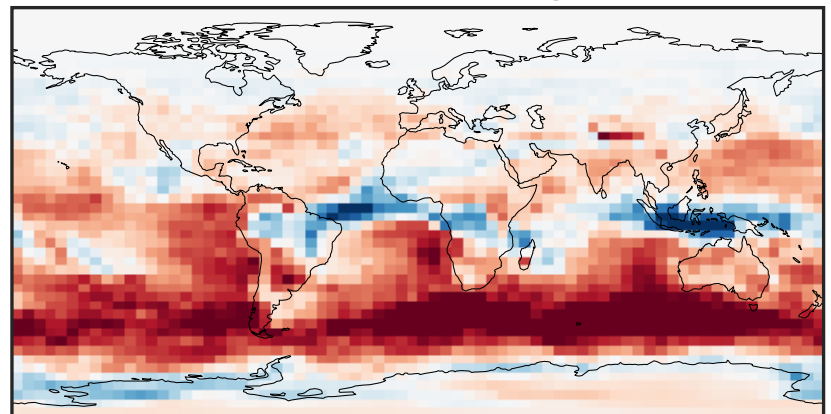
0.00000 0.00015 0.00030 0.00045  
s-1

Difference  
Dev - Ref, Dynamic Range



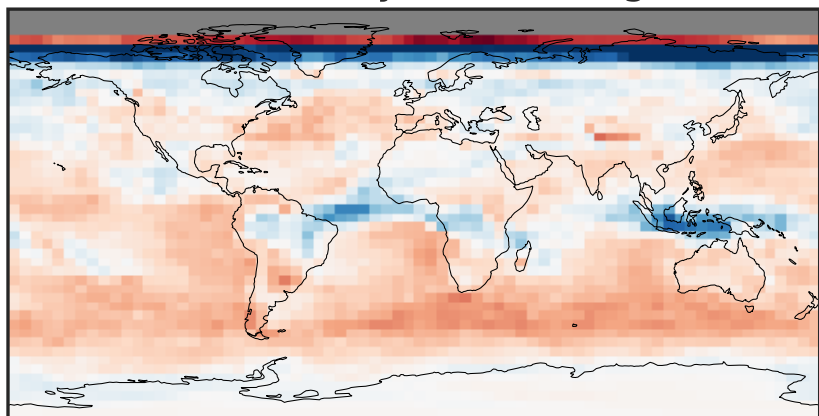
-4 0 4  
s-1 1e-6

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



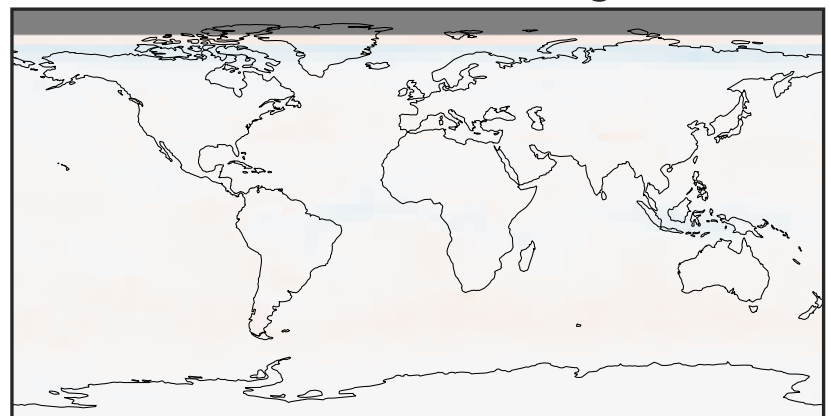
-2.5 0.0 2.5  
s-1 1e-6

Ratio  
Dev/Ref, Dynamic Range



0.9394 0.9697 1.0000 1.0323 1.0645  
unitless

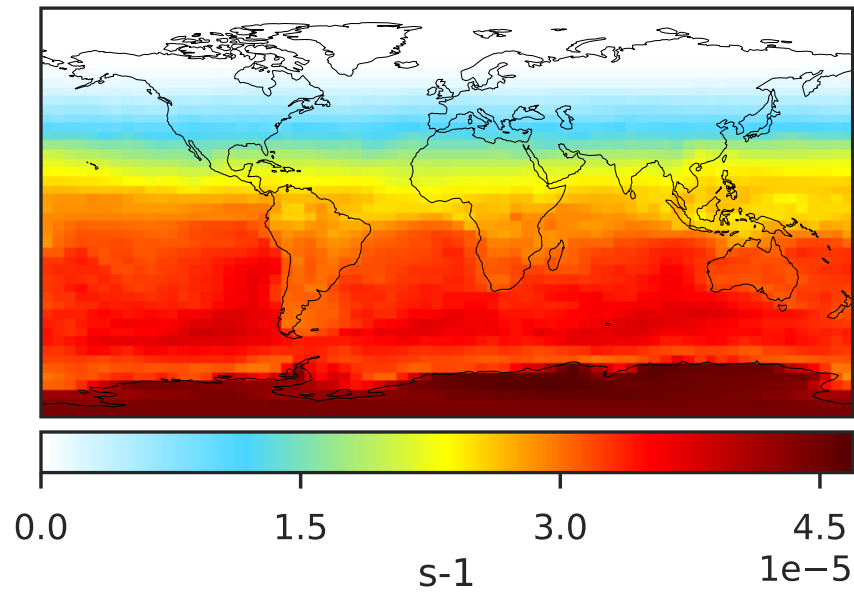
Ratio  
Dev/Ref, Fixed Range



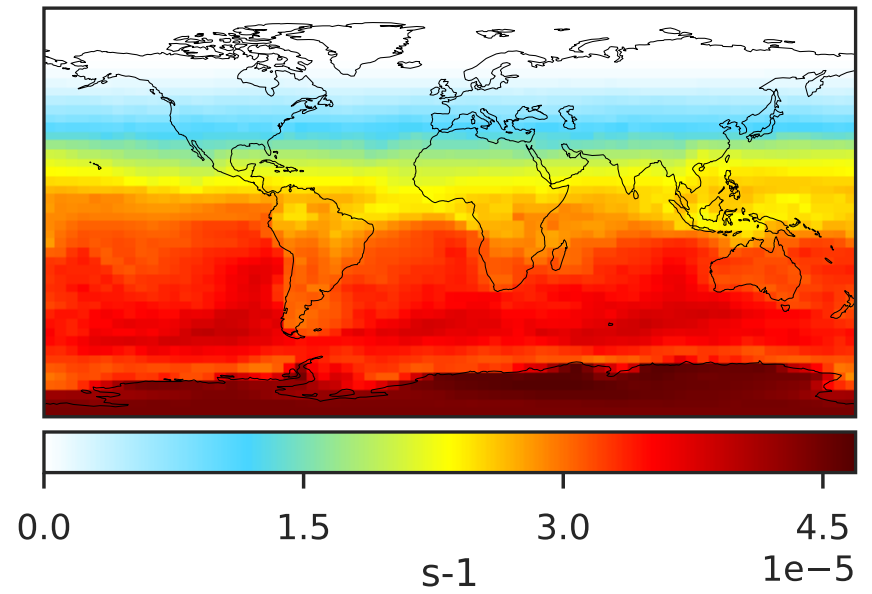
0.50 0.75 1.00 1.50 2.00  
unitless

# Jval\_MVKHCB (Jan2019)

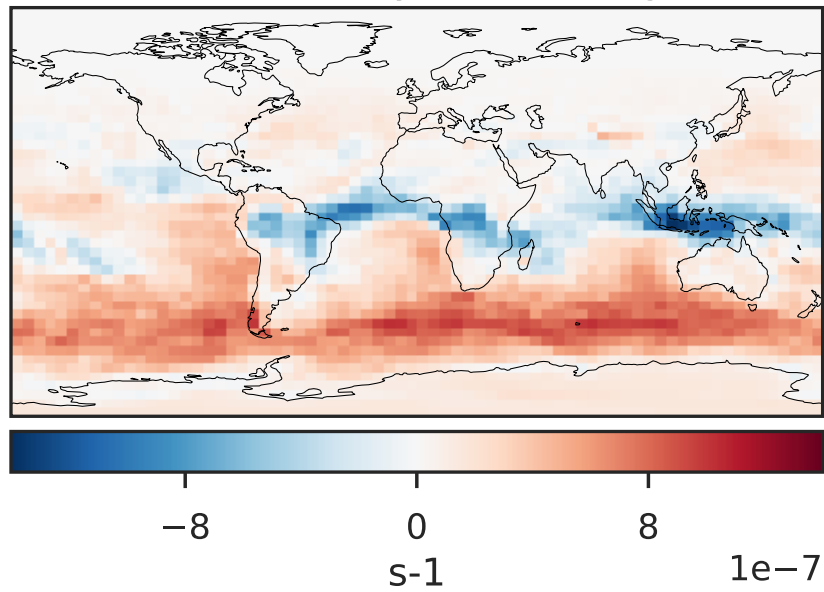
14.2.0-rc.2 (Ref)  
4.0x5.0



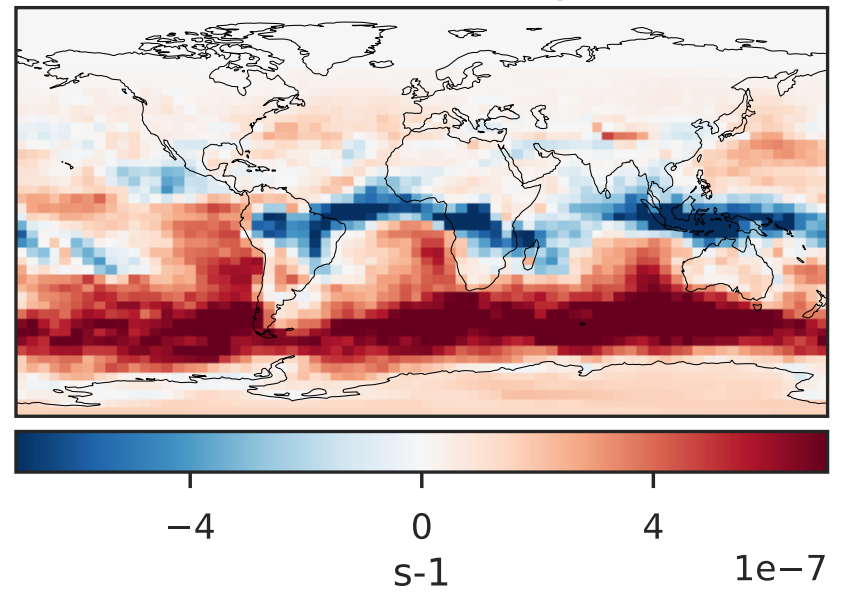
14.3.0-rc.0 (Dev)  
4.0x5.0



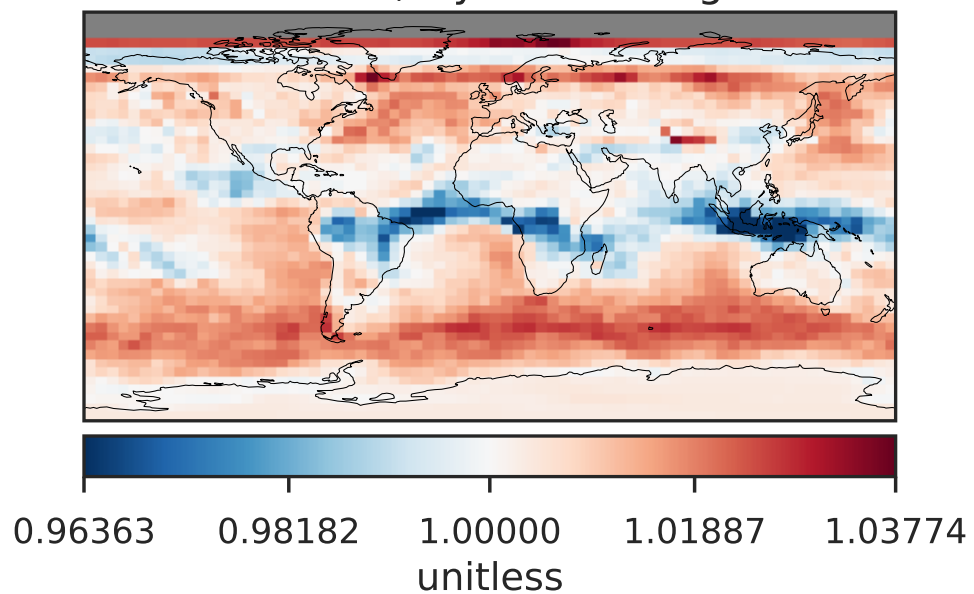
Difference  
Dev - Ref, Dynamic Range



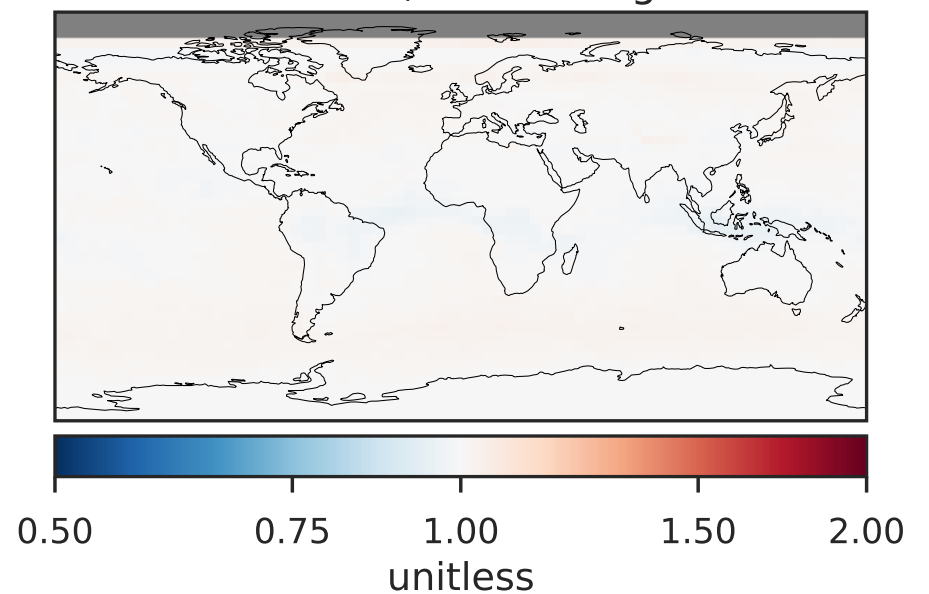
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

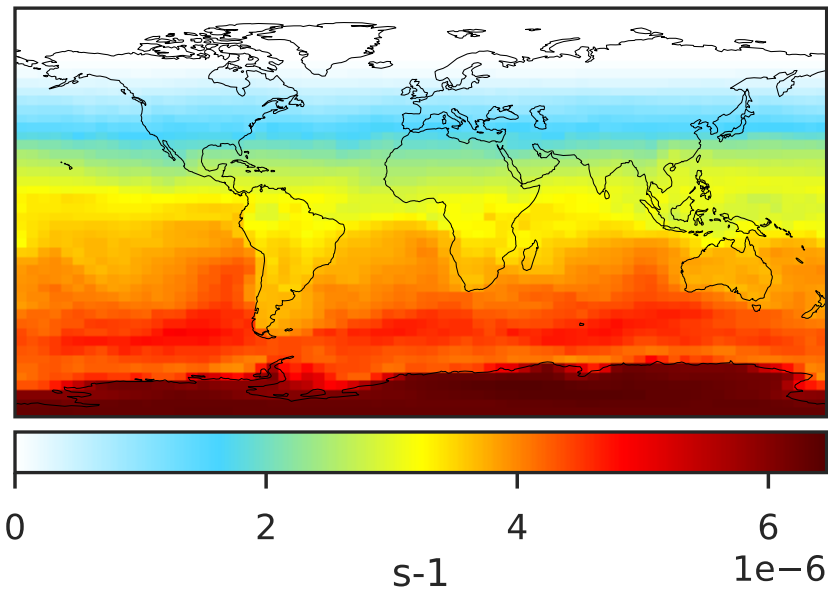


Ratio  
Dev/Ref, Fixed Range

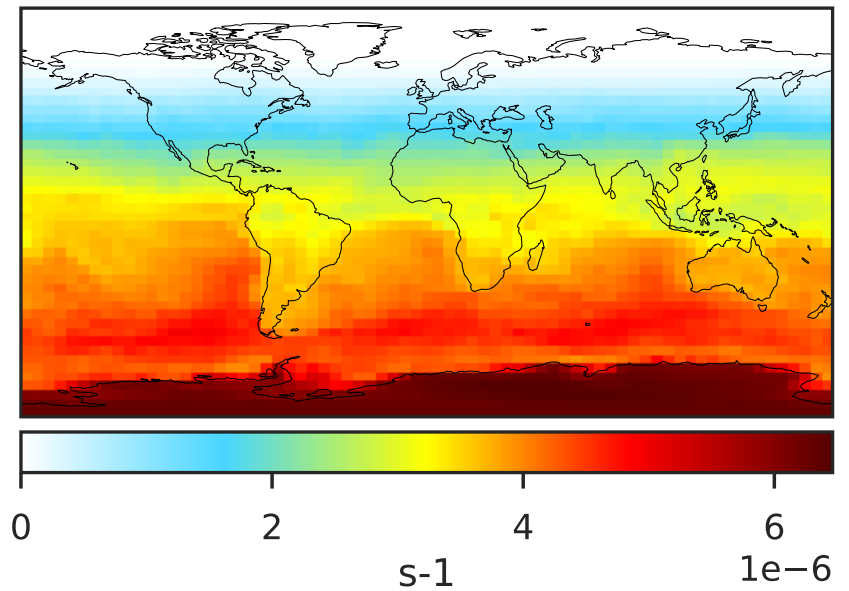


# Jval\_MVKHP (Jan2019)

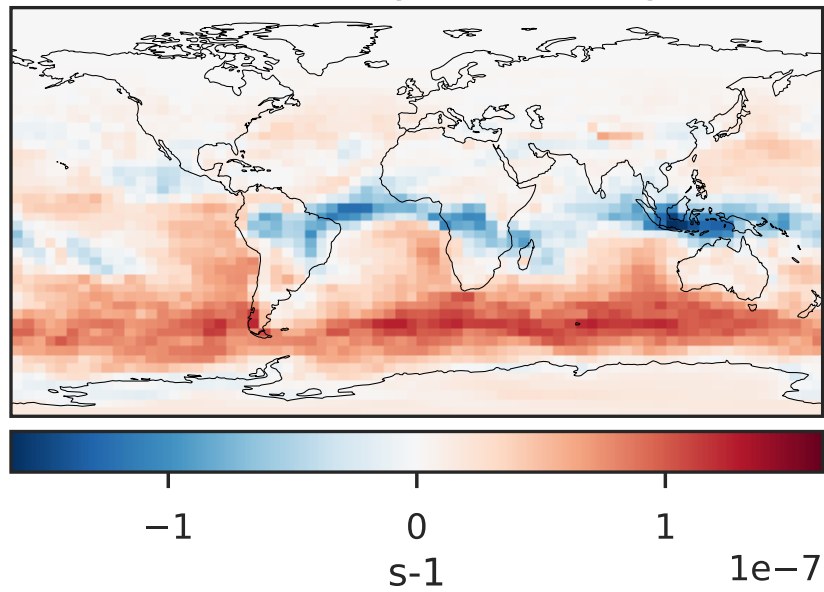
14.2.0-rc.2 (Ref)  
4.0x5.0



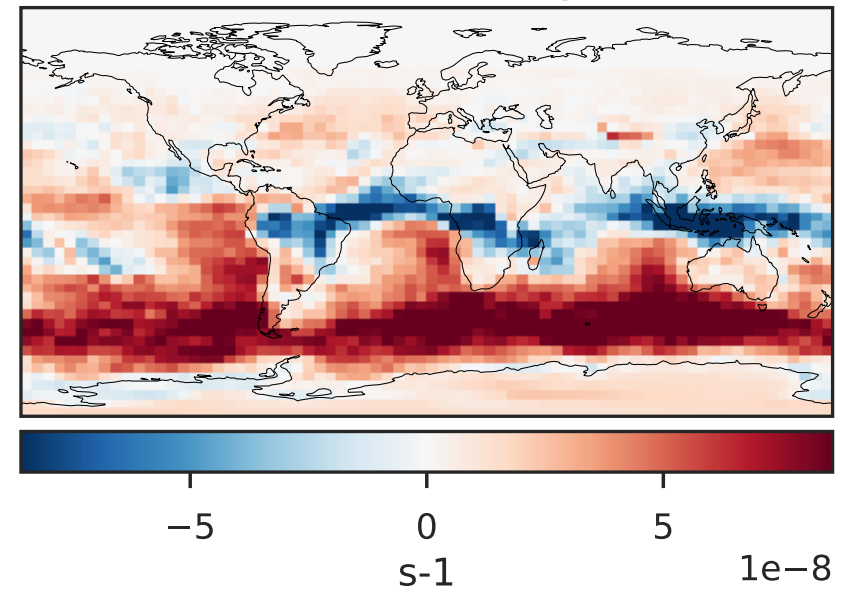
14.3.0-rc.0 (Dev)  
4.0x5.0



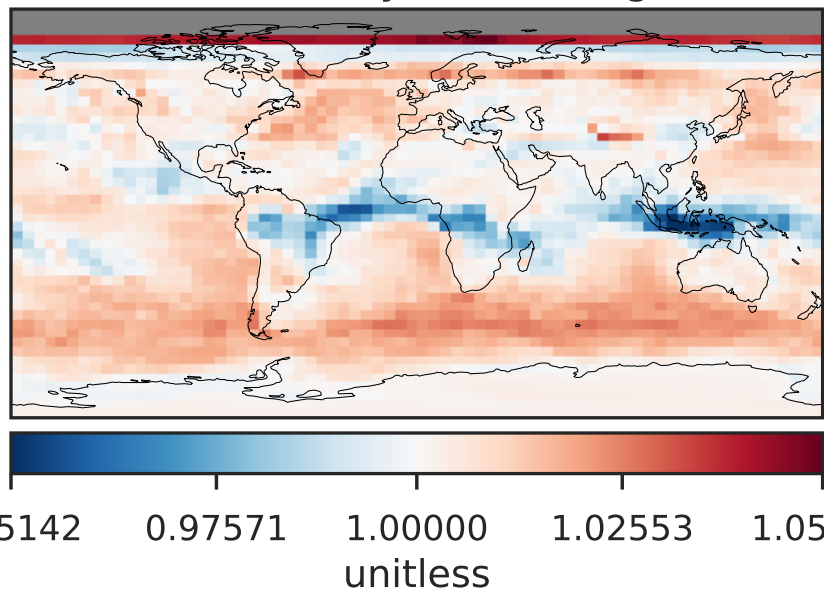
Difference  
Dev - Ref, Dynamic Range



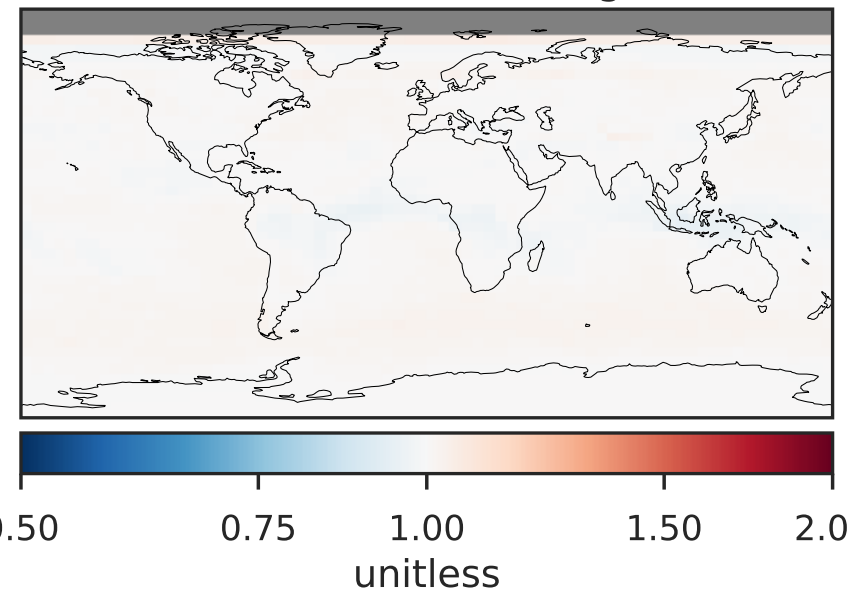
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



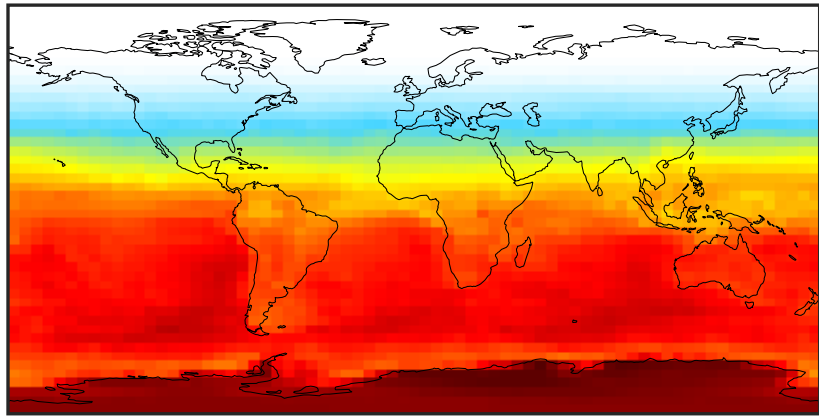
Ratio  
Dev/Ref, Fixed Range





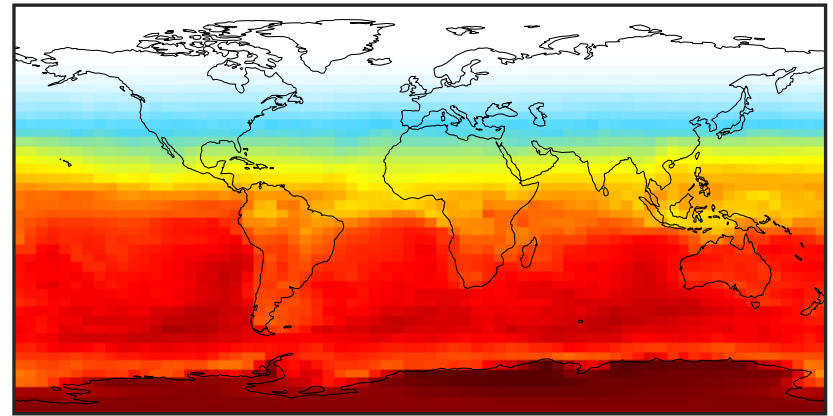
# Jval\_MVKN (Jan2019)

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



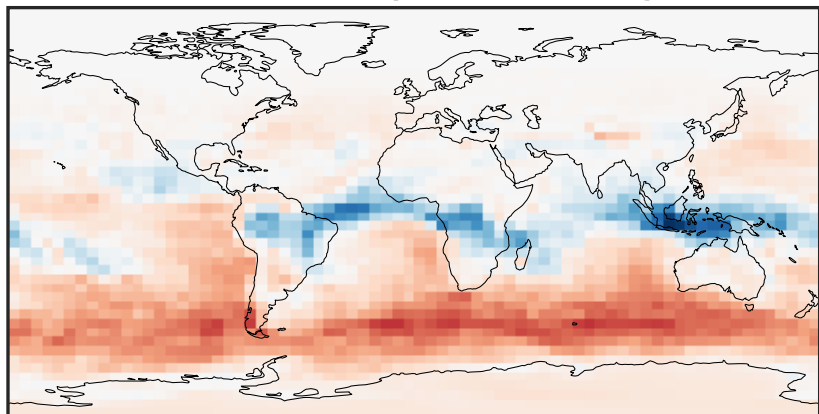
0.0 1.5 3.0  $1e-5$   
s-1

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



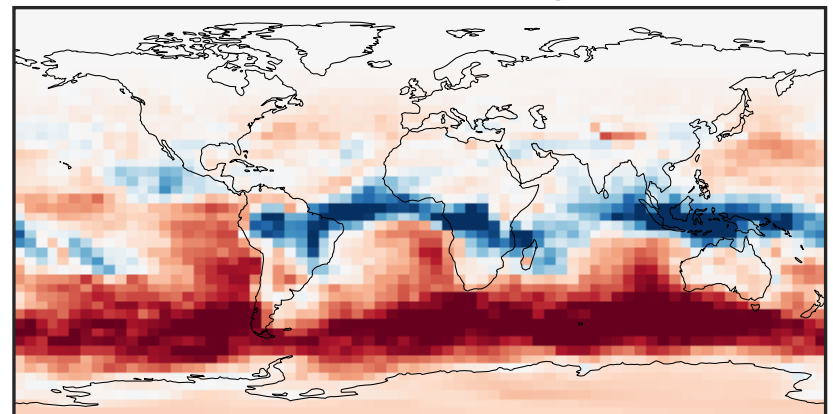
0.0 1.5 3.0  $1e-5$   
s-1

Difference  
Dev - Ref, Dynamic Range



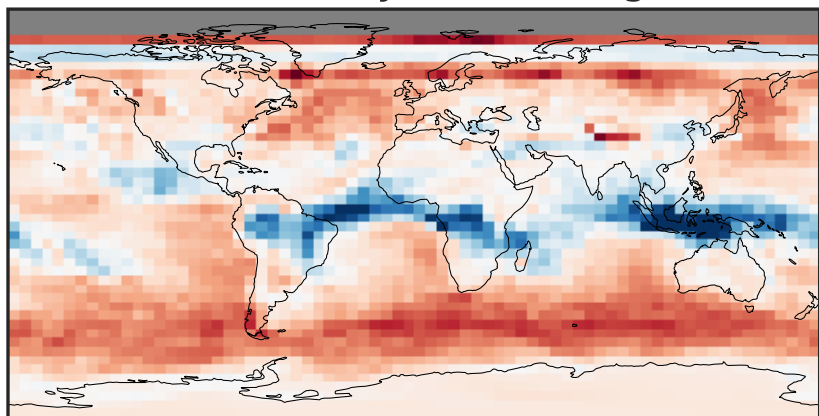
-8 0 8  $1e-7$   
s-1

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



-4 0 4  $1e-7$   
s-1

Ratio  
Dev/Ref, Dynamic Range



0.96476 0.98238 1.00000 1.01827 1.03653  
unitless

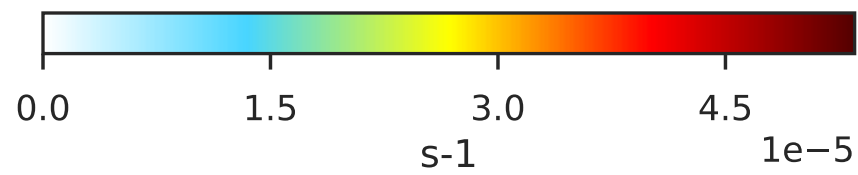
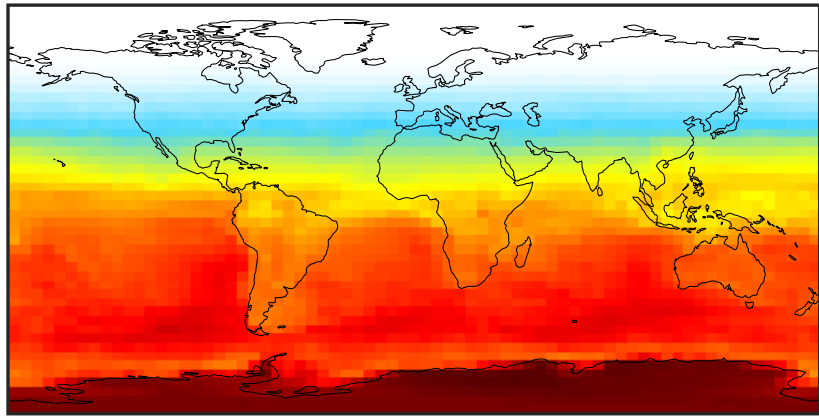
Ratio  
Dev/Ref, Fixed Range



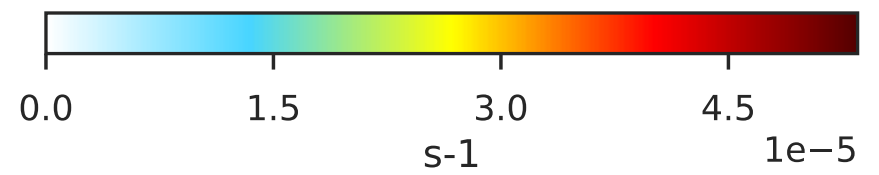
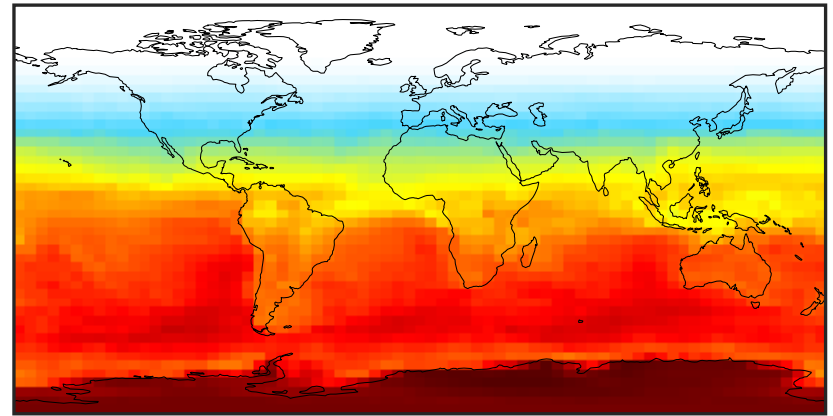
0.50 0.75 1.00 1.50 2.00  
unitless

# Jval\_MVKPC (Jan2019)

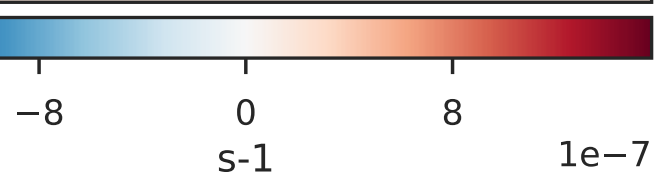
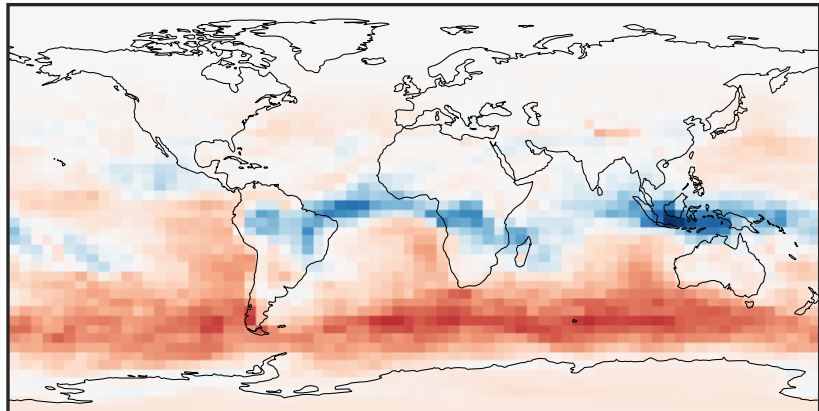
14.2.0-rc.2 (Ref)  
4.0x5.0



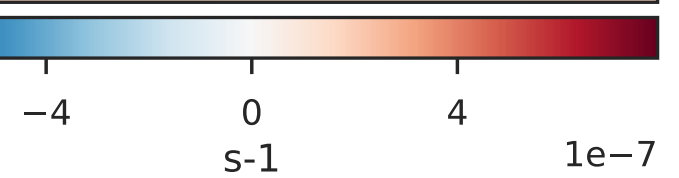
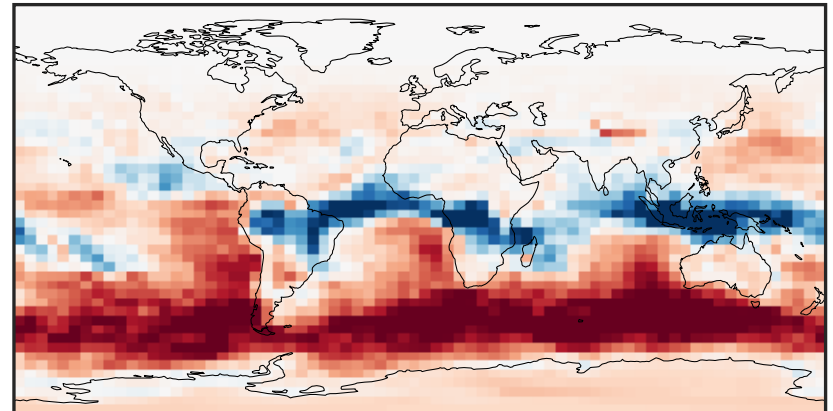
14.3.0-rc.0 (Dev)  
4.0x5.0



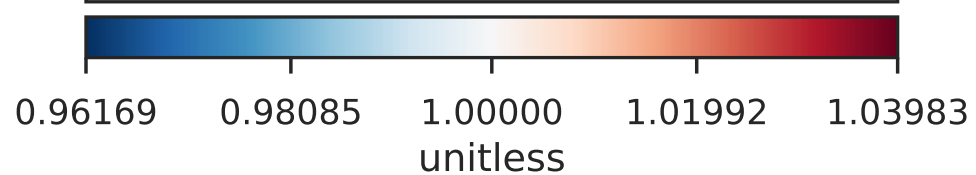
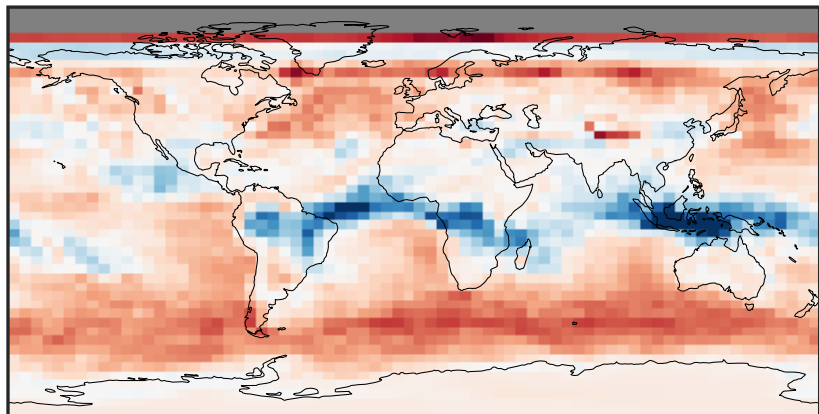
Difference  
Dev - Ref, Dynamic Range



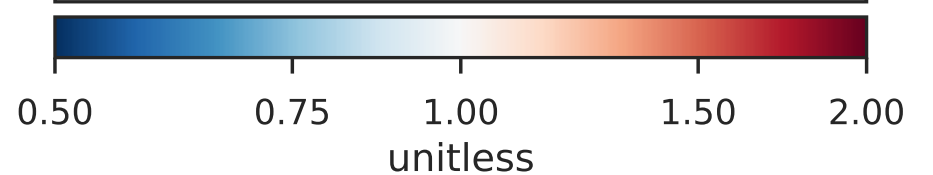
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

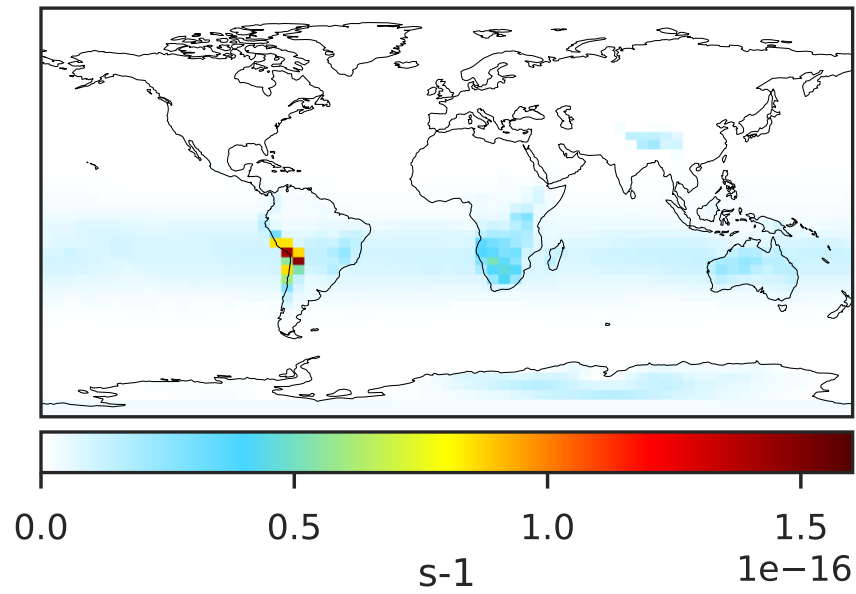


Ratio  
Dev/Ref, Fixed Range

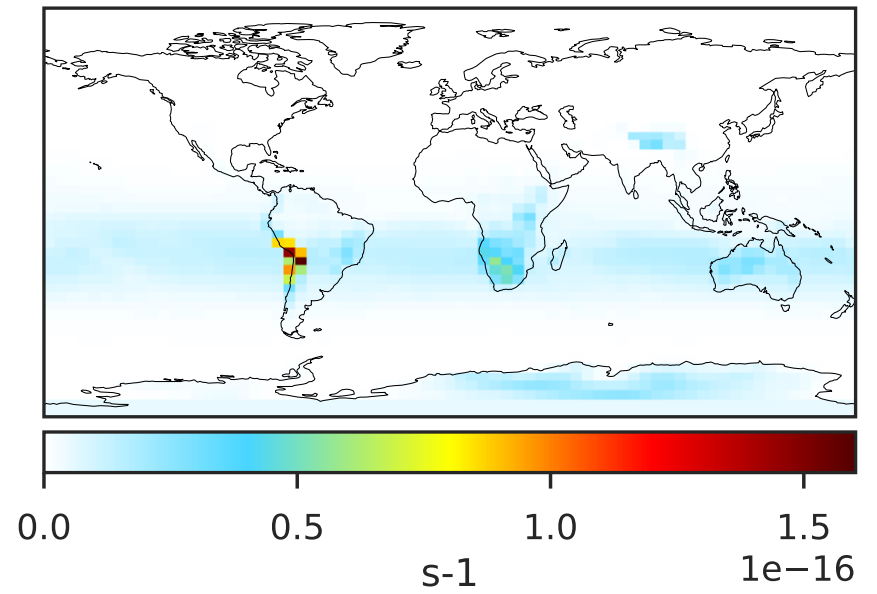


# Jval\_N2O (Jan2019)

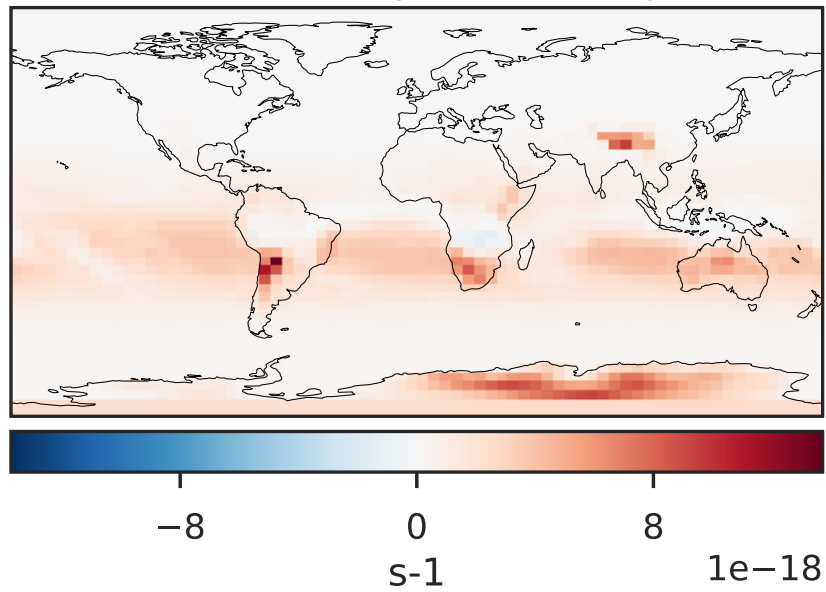
14.2.0-rc.2 (Ref)  
4.0x5.0



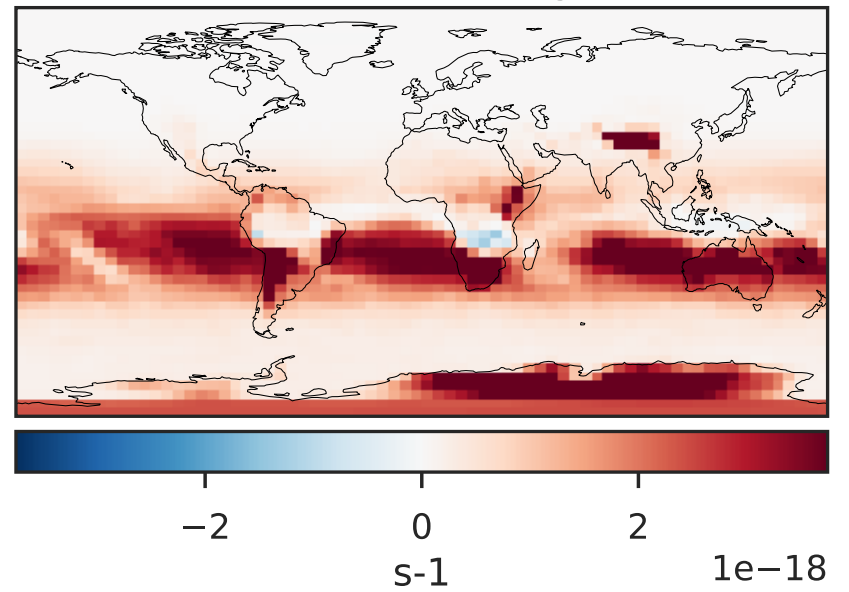
14.3.0-rc.0 (Dev)  
4.0x5.0



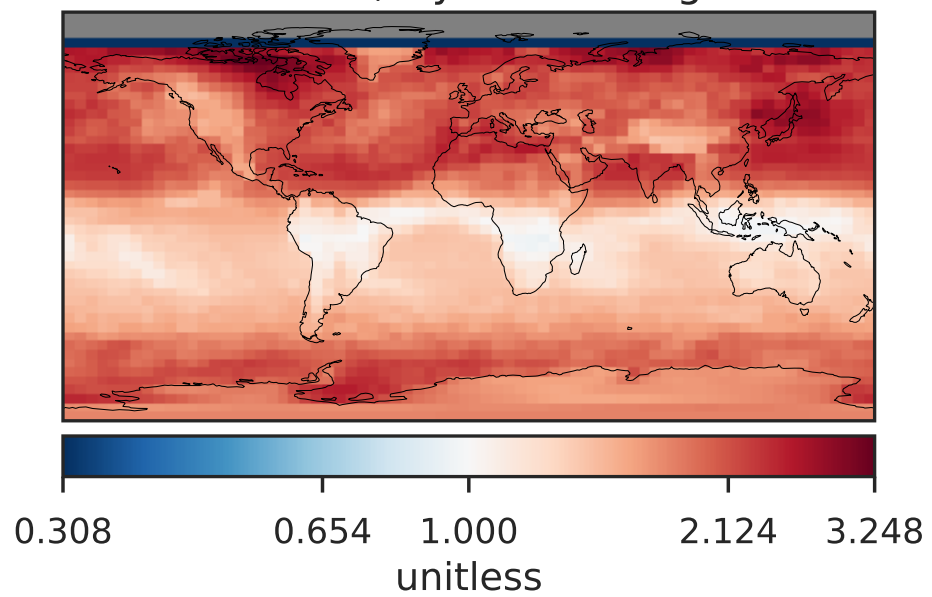
Difference  
Dev - Ref, Dynamic Range



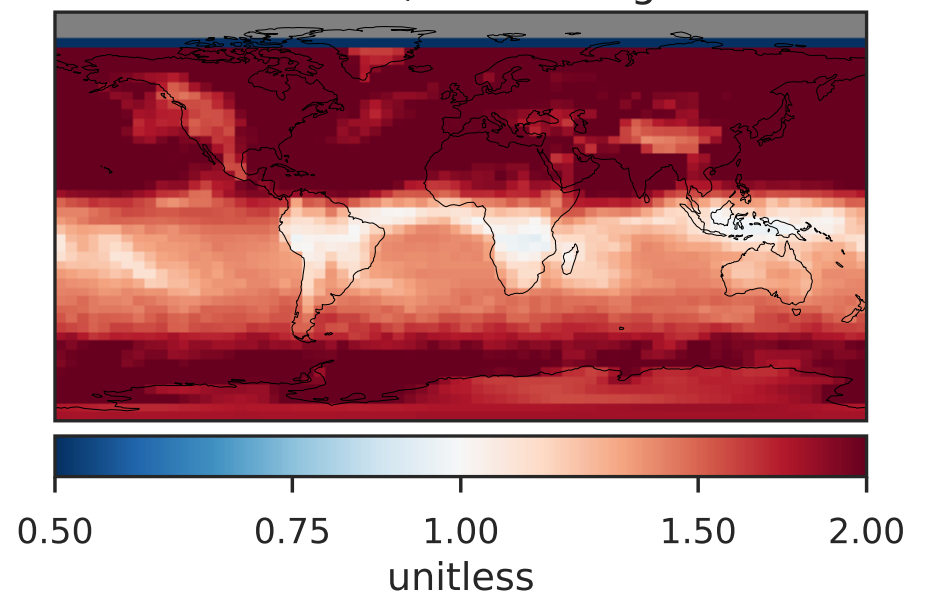
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

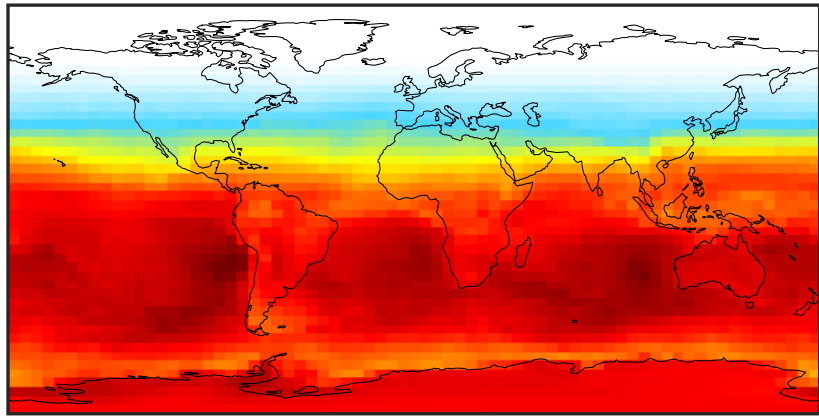


Ratio  
Dev/Ref, Fixed Range



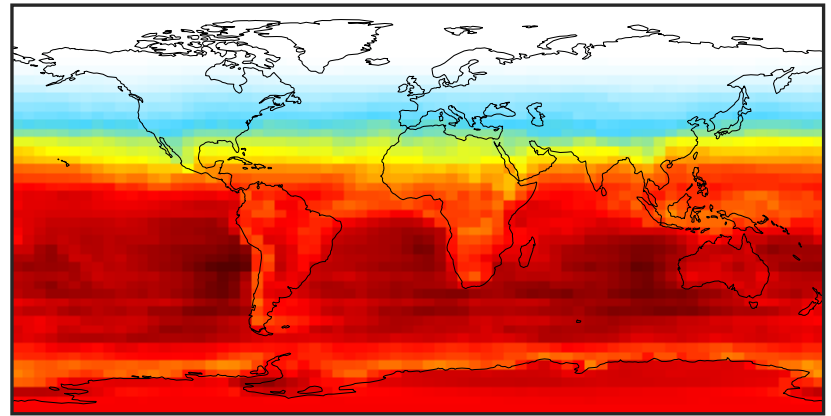
# Jval\_N2O5 (Jan2019)

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



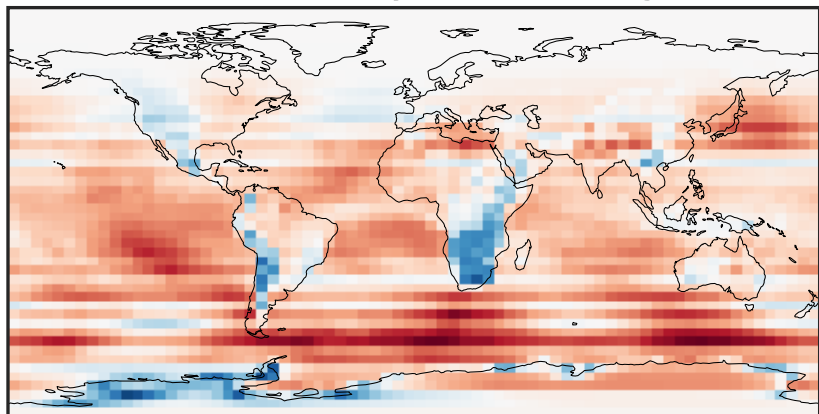
0.0 0.8 1.6 2.4  
s-1  $1e-5$

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



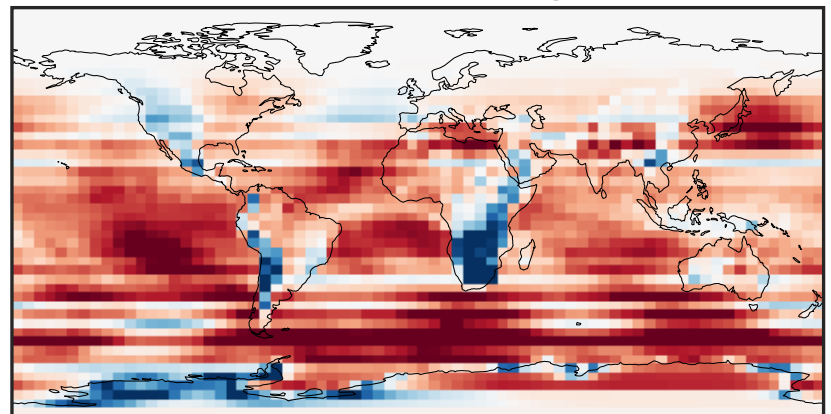
0.0 0.8 1.6 2.4  
s-1  $1e-5$

Difference  
Dev - Ref, Dynamic Range



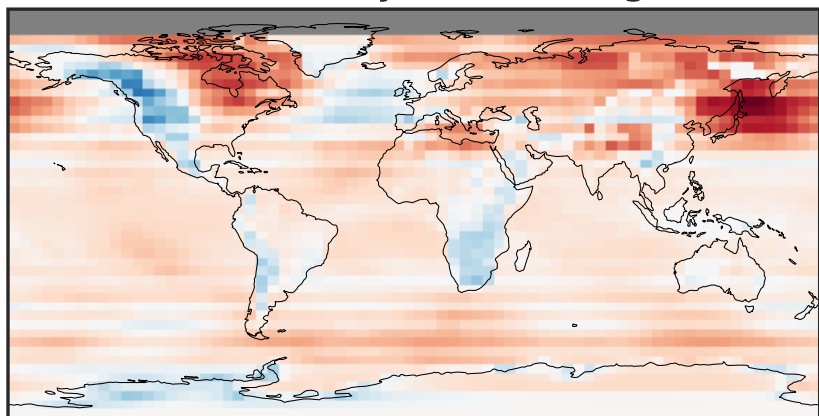
-1.5 0.0 1.5  
s-1  $1e-6$

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



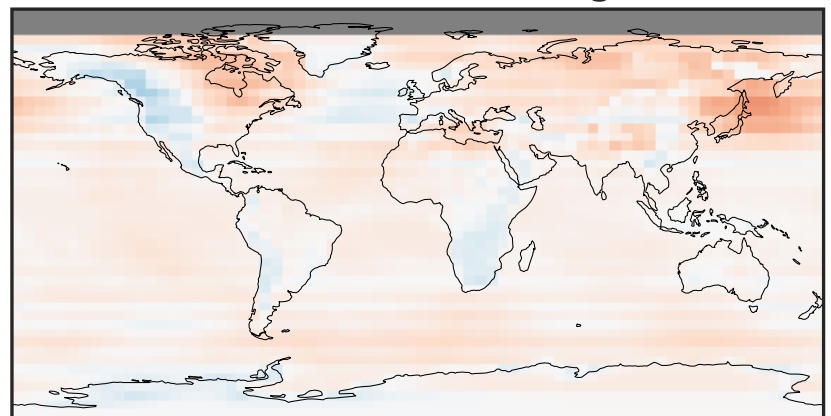
-1 0 1  
s-1  $1e-6$

Ratio  
Dev/Ref, Dynamic Range



0.7312 0.8656 1.0000 1.1838 1.3677  
unitless

Ratio  
Dev/Ref, Fixed Range

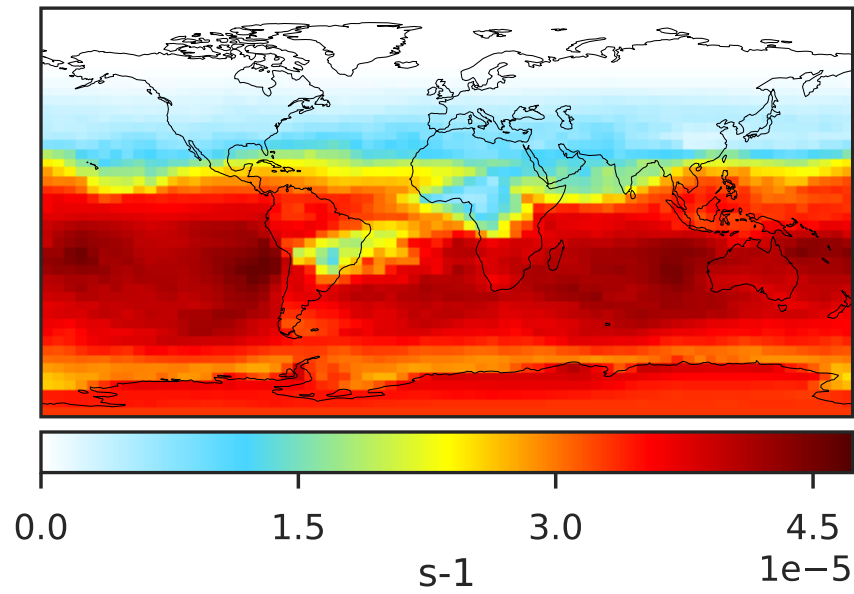


0.50 0.75 1.00 1.50 2.00  
unitless

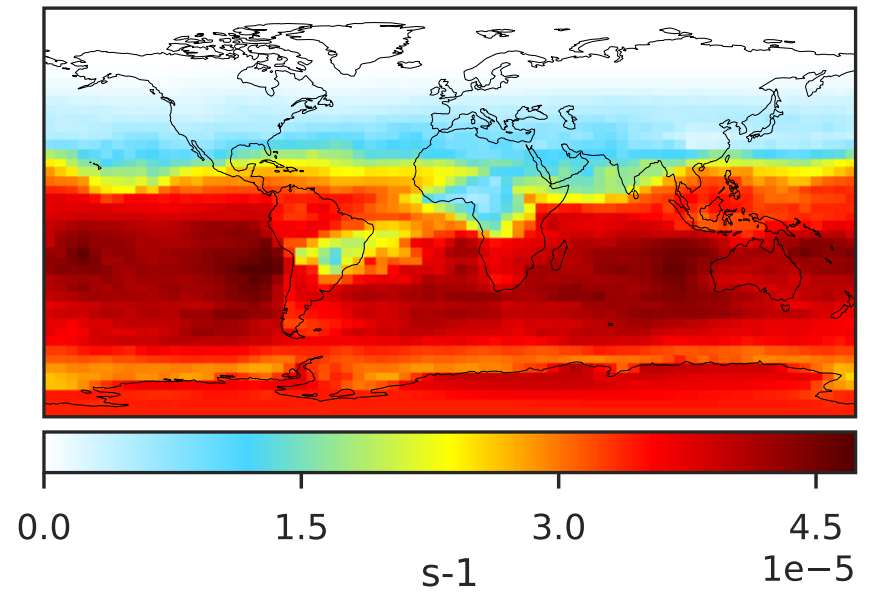


# Jval\_NIT (Jan2019)

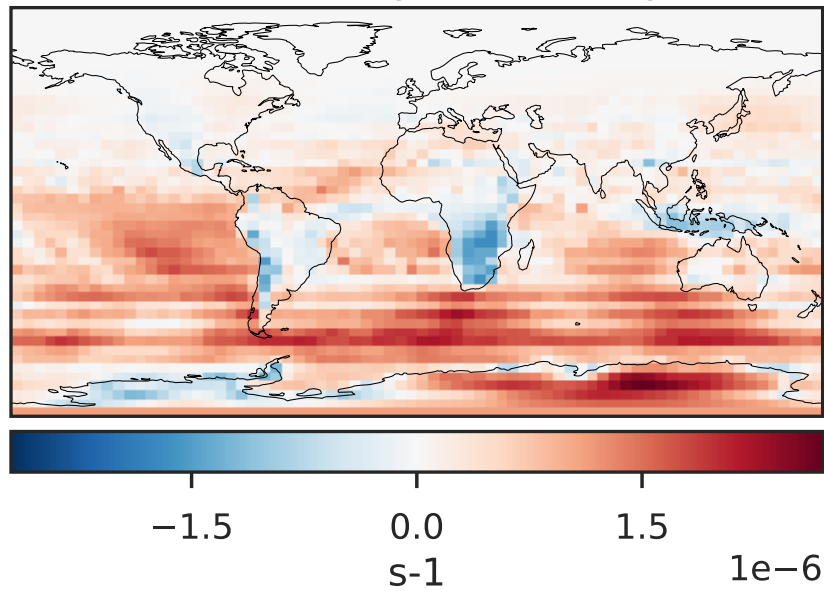
14.2.0-rc.2 (Ref)  
4.0x5.0



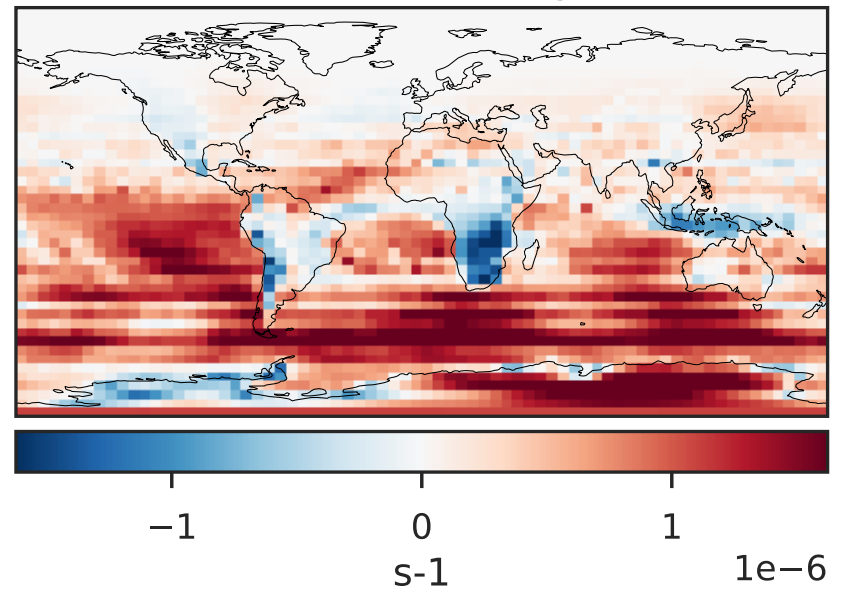
14.3.0-rc.0 (Dev)  
4.0x5.0



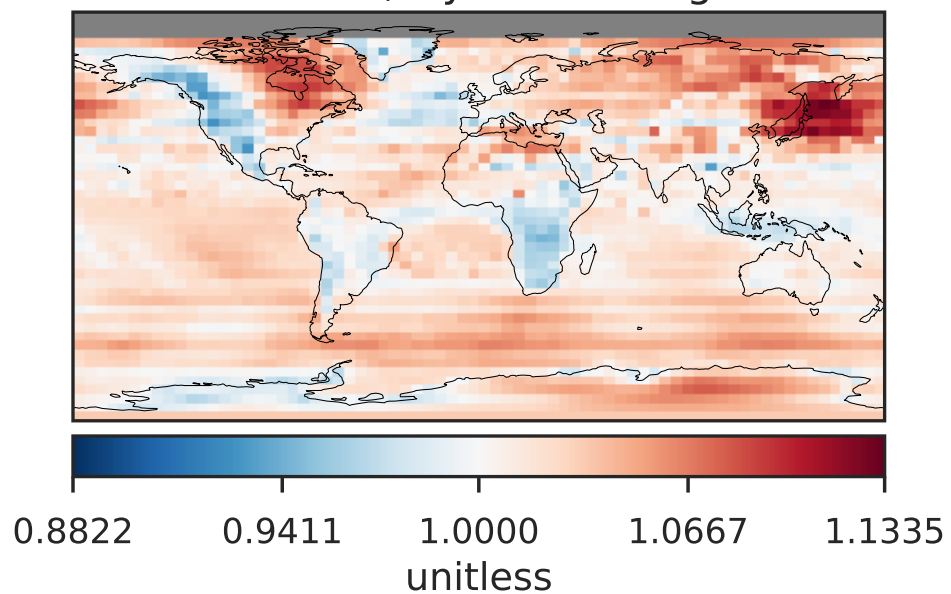
Difference  
Dev - Ref, Dynamic Range



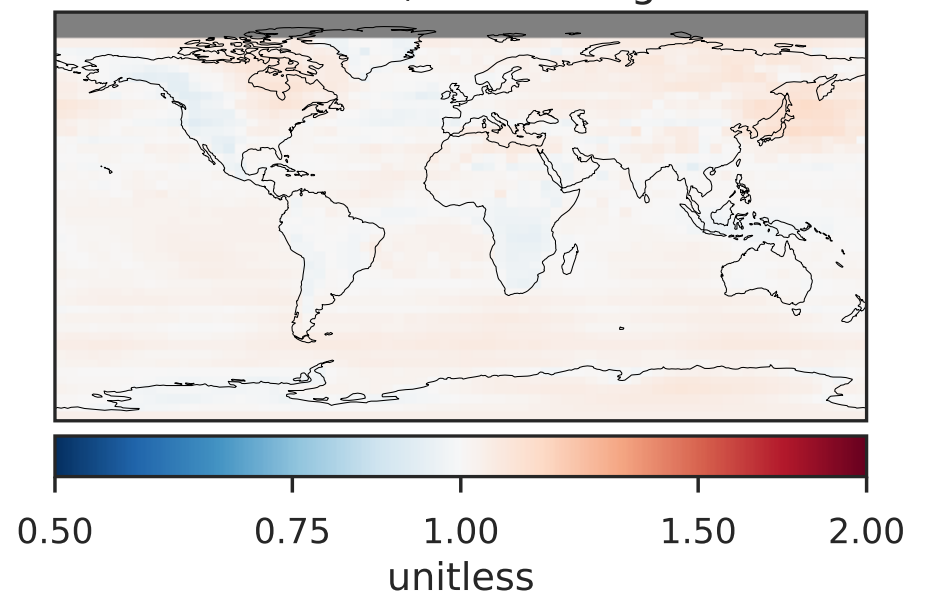
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

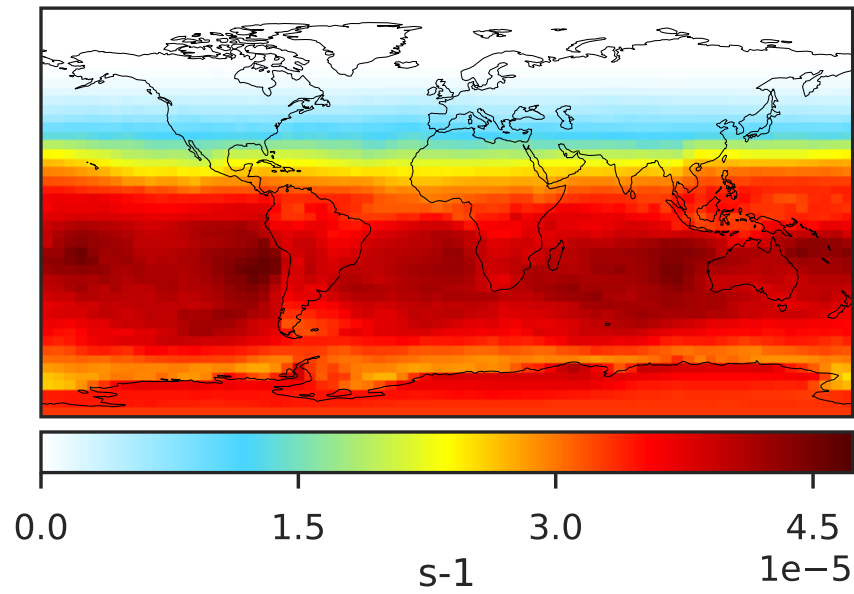


Ratio  
Dev/Ref, Fixed Range

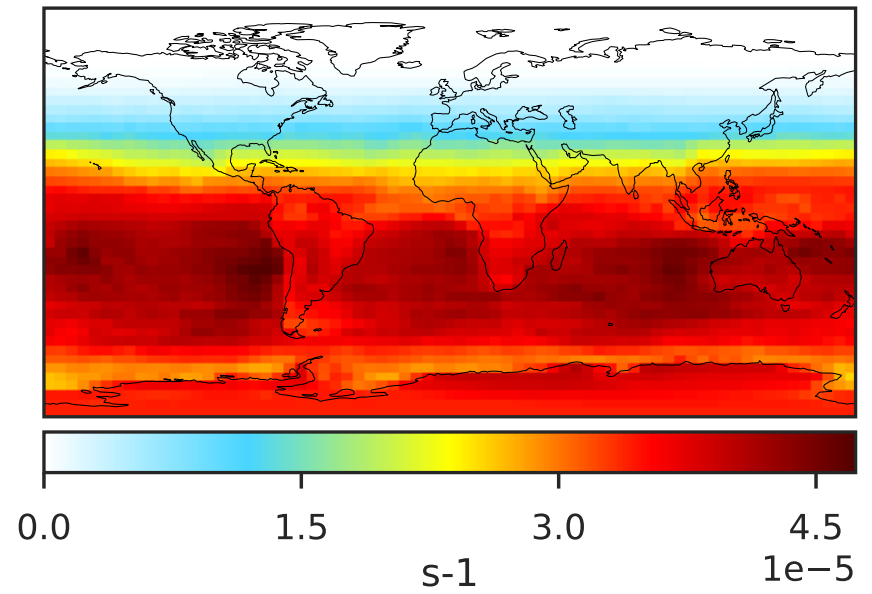


# Jval\_NITs (Jan2019)

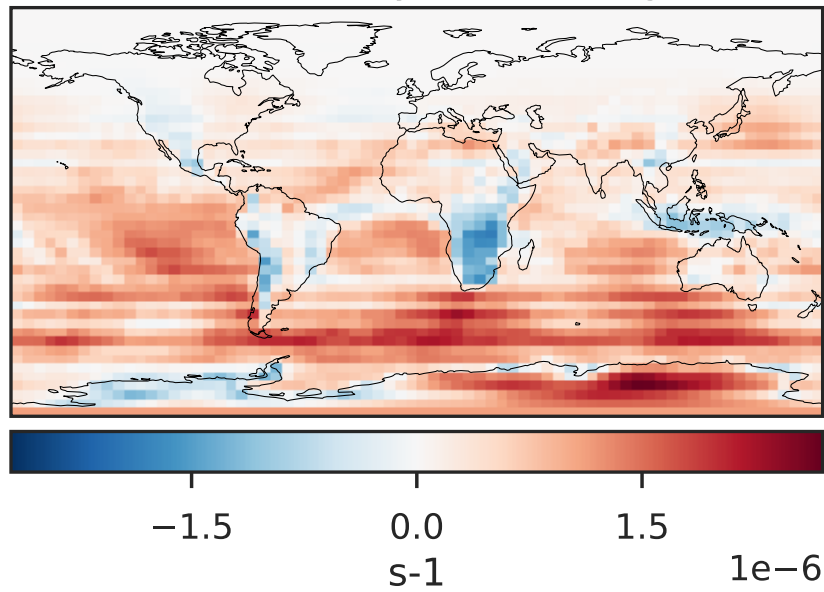
14.2.0-rc.2 (Ref)  
4.0x5.0



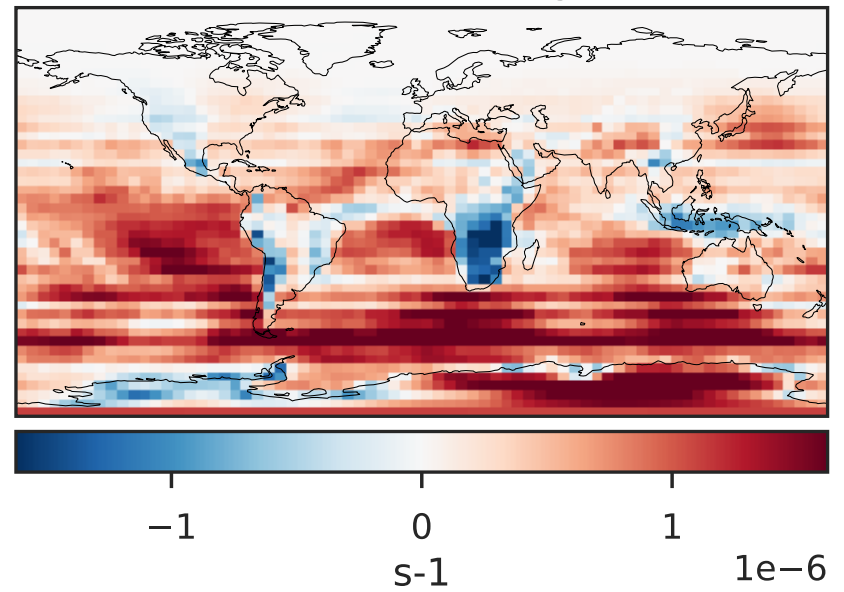
14.3.0-rc.0 (Dev)  
4.0x5.0



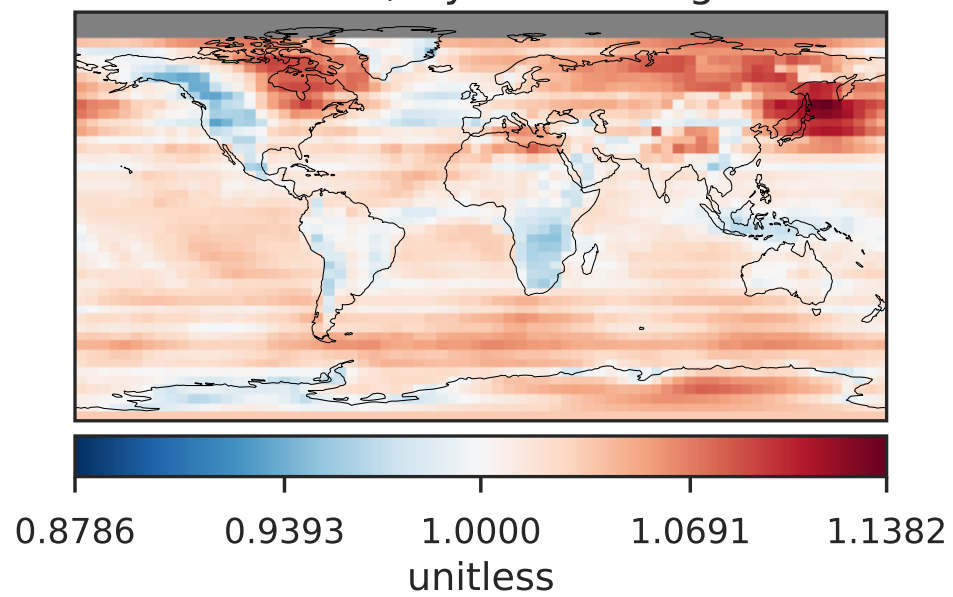
Difference  
Dev - Ref, Dynamic Range



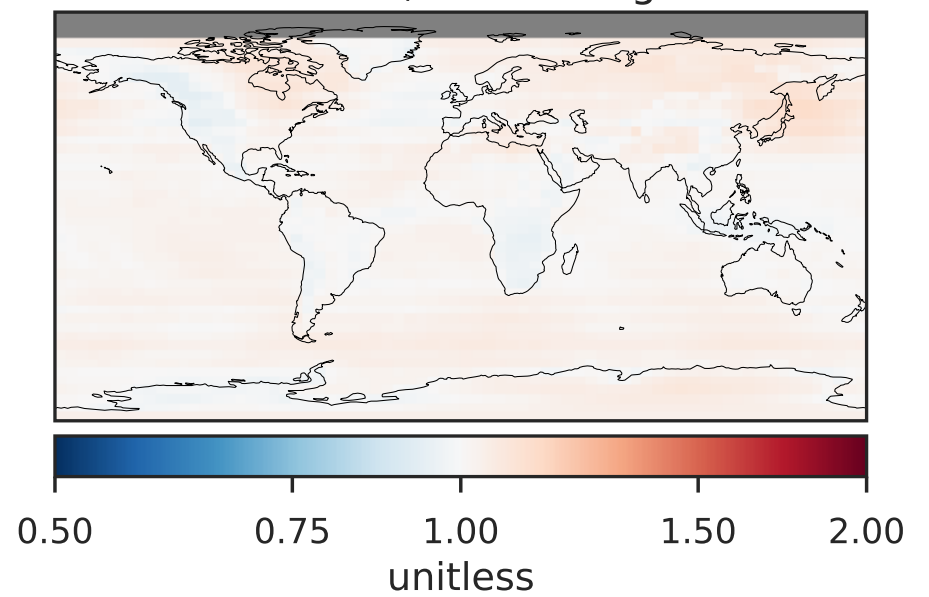
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

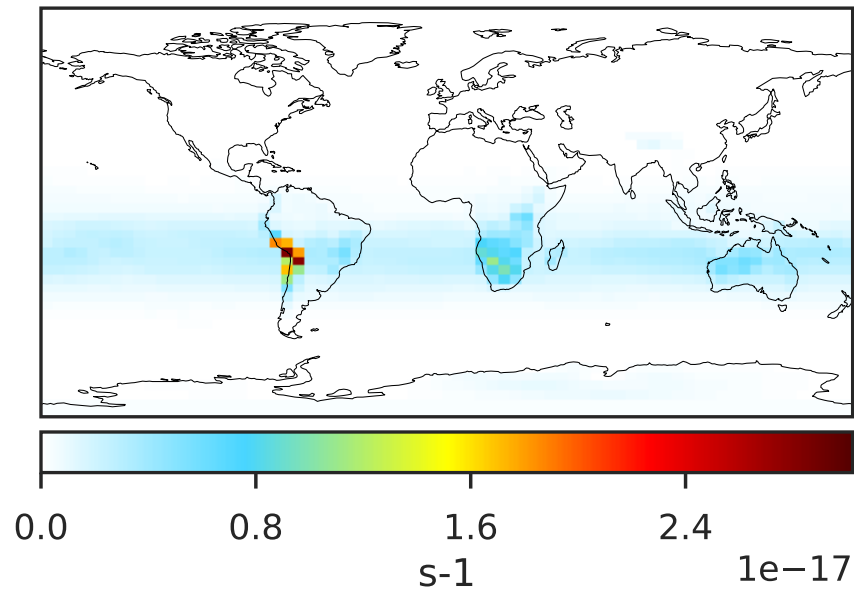


Ratio  
Dev/Ref, Fixed Range

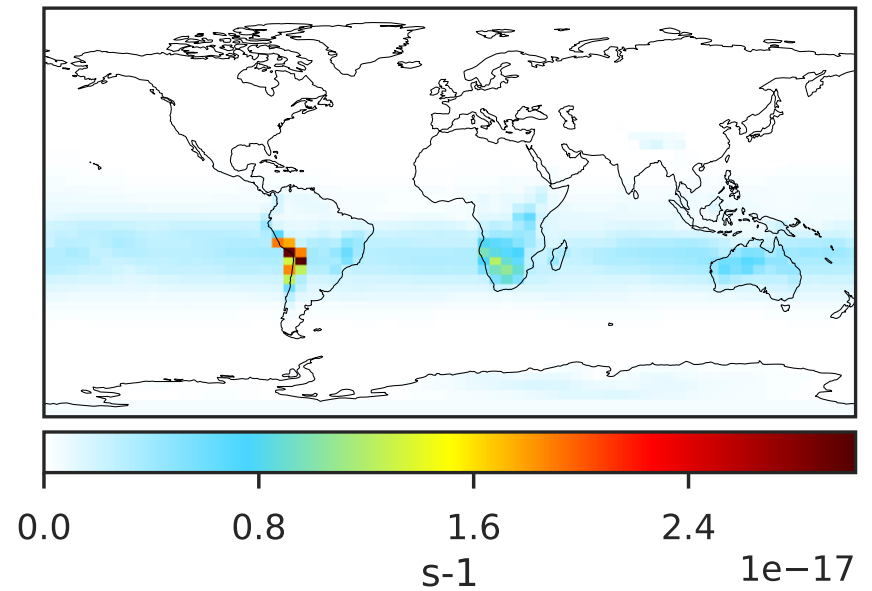


# Jval\_NO (Jan2019)

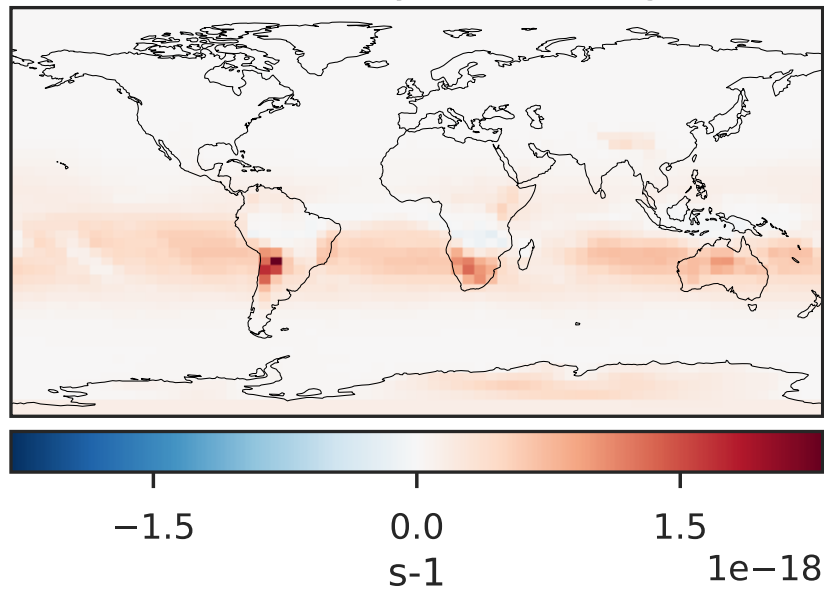
14.2.0-rc.2 (Ref)  
4.0x5.0



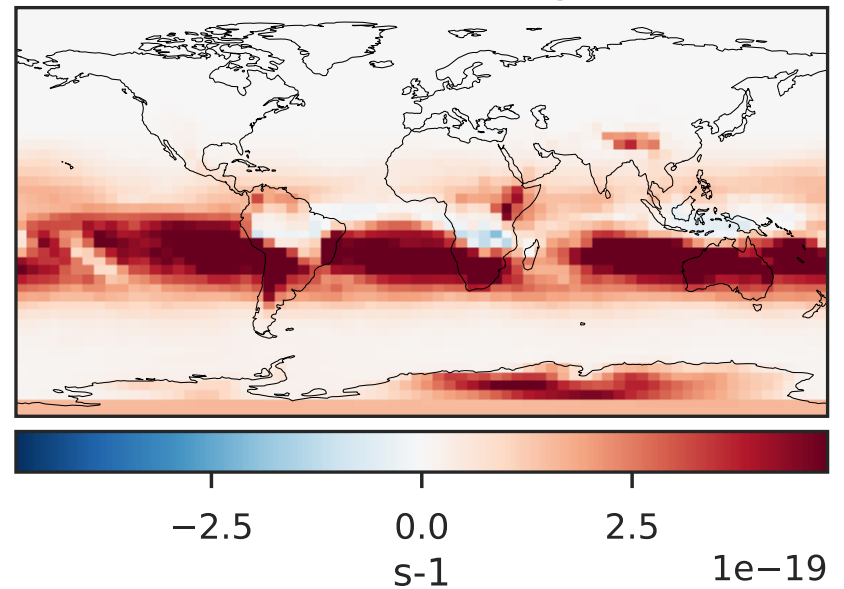
14.3.0-rc.0 (Dev)  
4.0x5.0



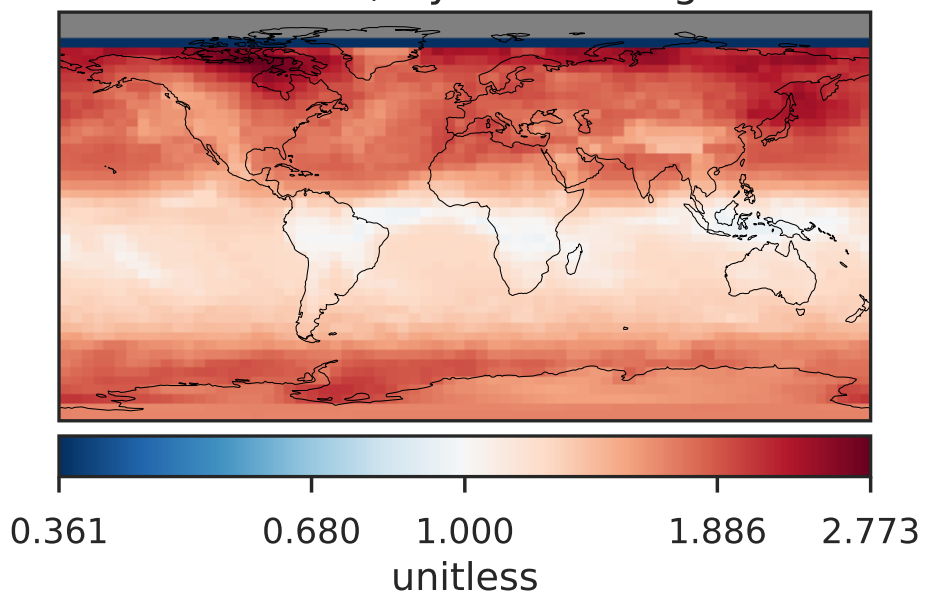
Difference  
Dev - Ref, Dynamic Range



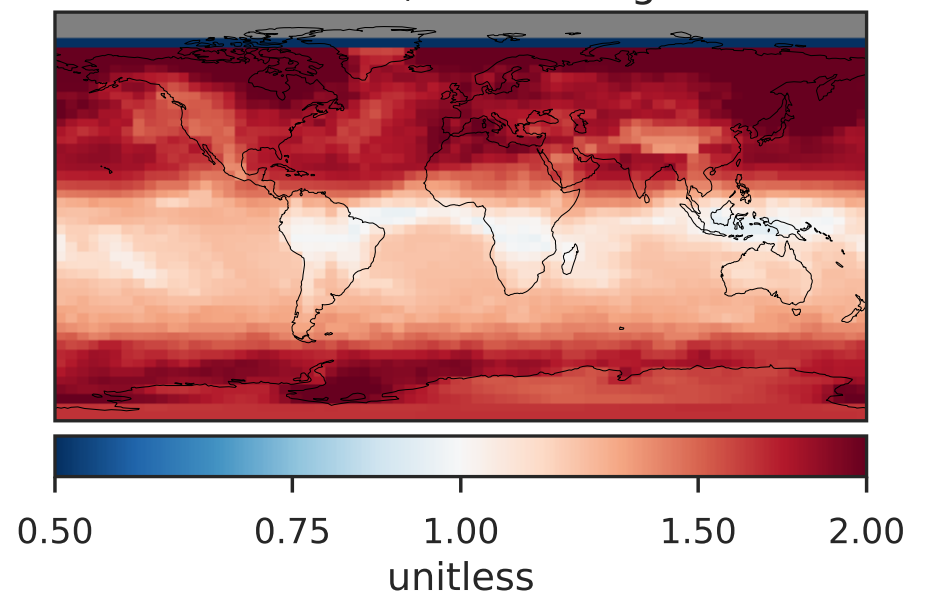
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

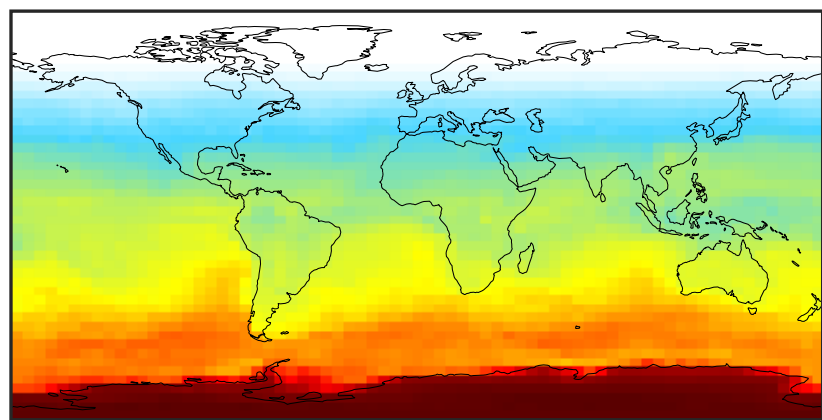


Ratio  
Dev/Ref, Fixed Range



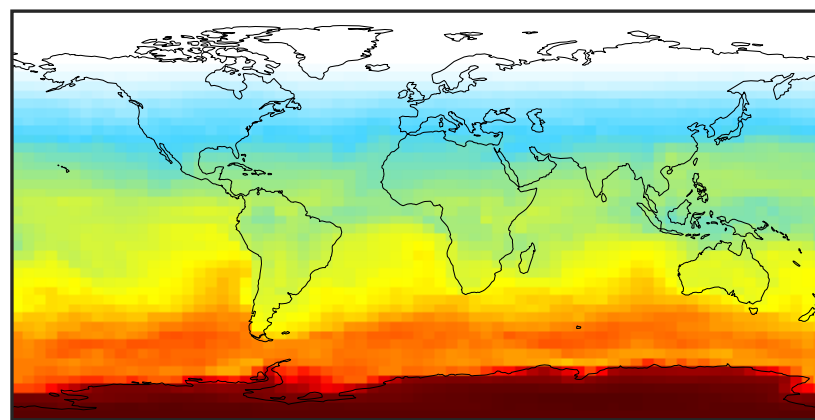
# Jval\_NO2 (Jan2019)

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



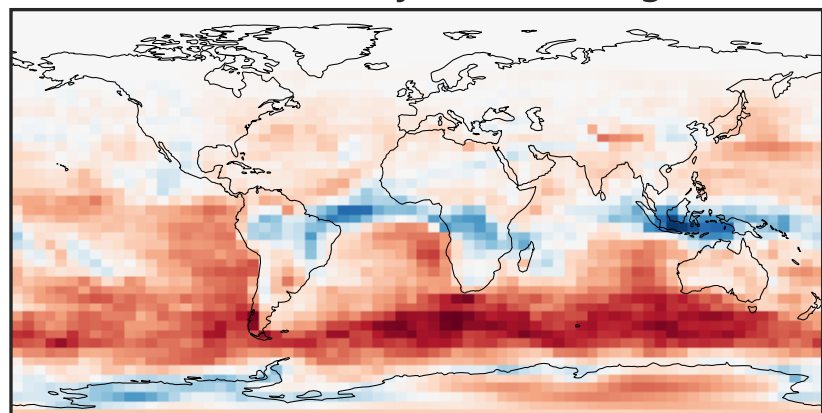
0.000 0.004 0.008 0.012  
s-1

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



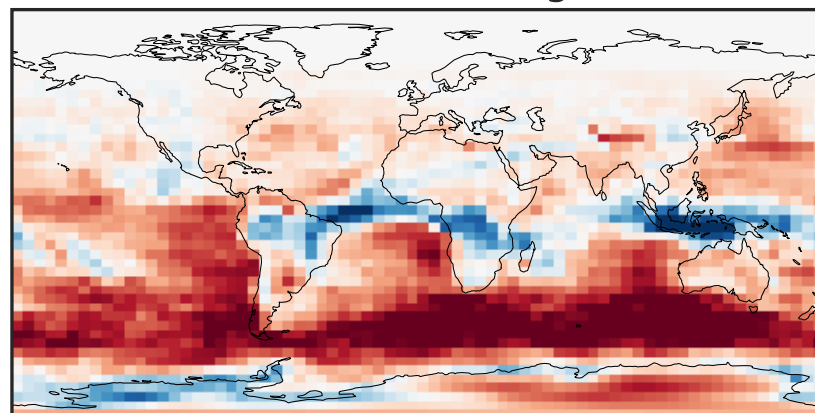
0.000 0.004 0.008 0.012  
s-1

Difference  
Dev - Ref, Dynamic Range



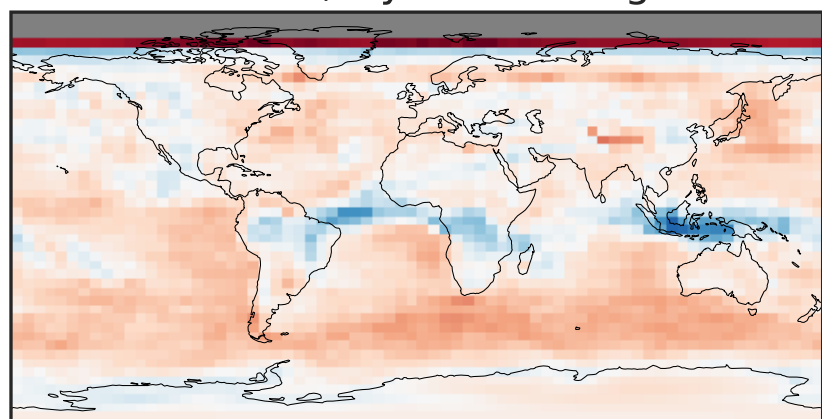
-0.00015 0.00000 0.00015  
s-1

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



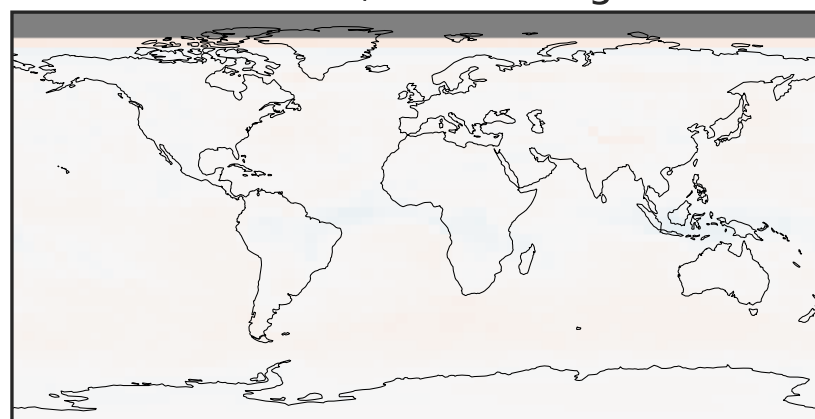
-0.0001 0.0000 0.0001  
s-1

Ratio  
Dev/Ref, Dynamic Range



0.9375 0.9687 1.000 1.0333 1.0667  
unitless

Ratio  
Dev/Ref, Fixed Range

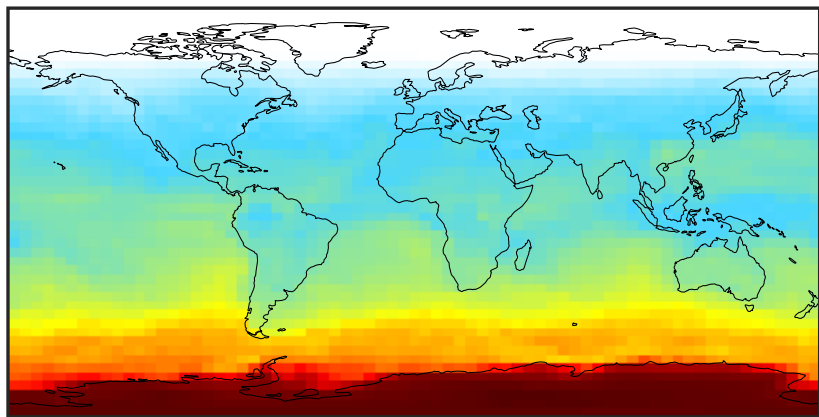


0.50 0.75 1.00 1.50 2.00  
unitless



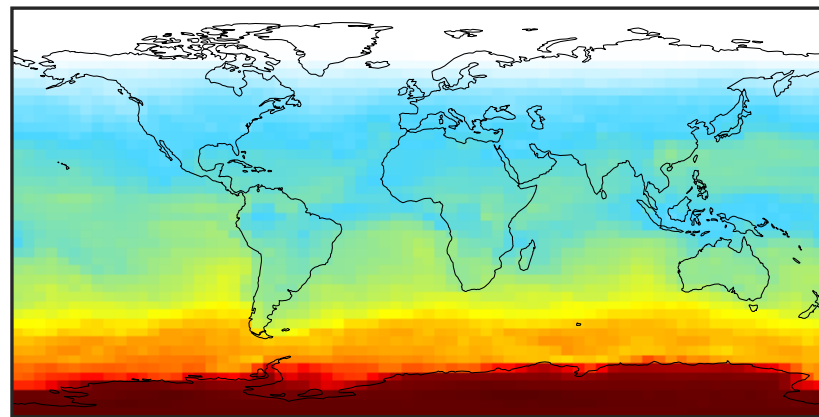
# Jval\_NO3 (Jan2019)

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



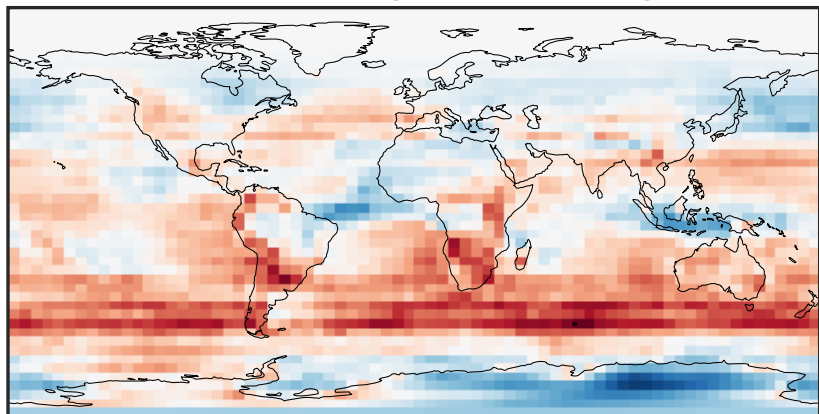
0.0000 0.0913 0.1827 0.2740 0.3654  
s-1

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



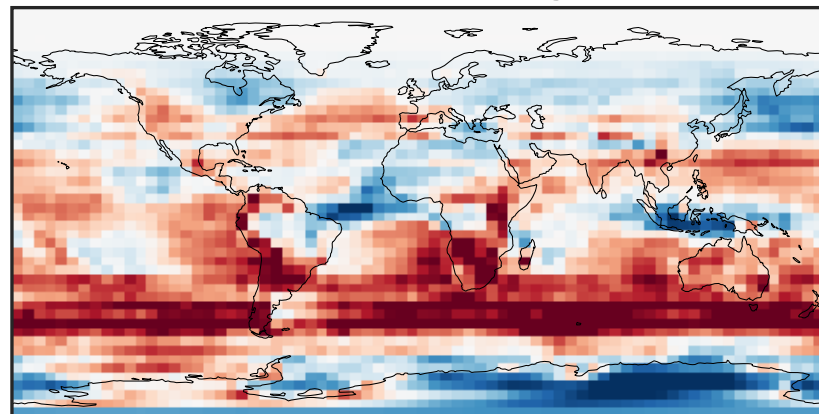
0.0000 0.0913 0.1827 0.2740 0.3654  
s-1

Difference  
Dev - Ref, Dynamic Range



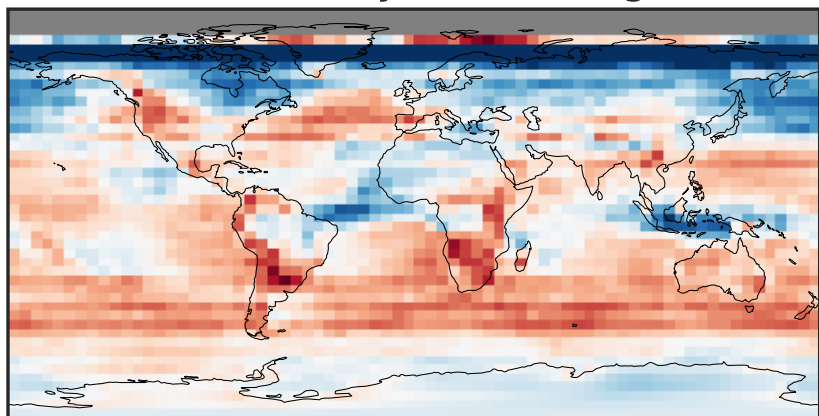
-0.004 0.000 0.004  
s-1

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



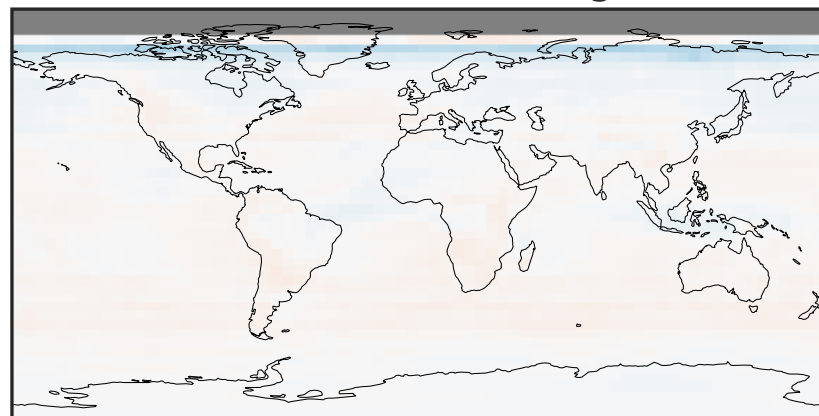
-0.0025 0.0000 0.0025  
s-1

Ratio  
Dev/Ref, Dynamic Range



0.9431 0.9716 1.0000 1.0301 1.0603  
unitless

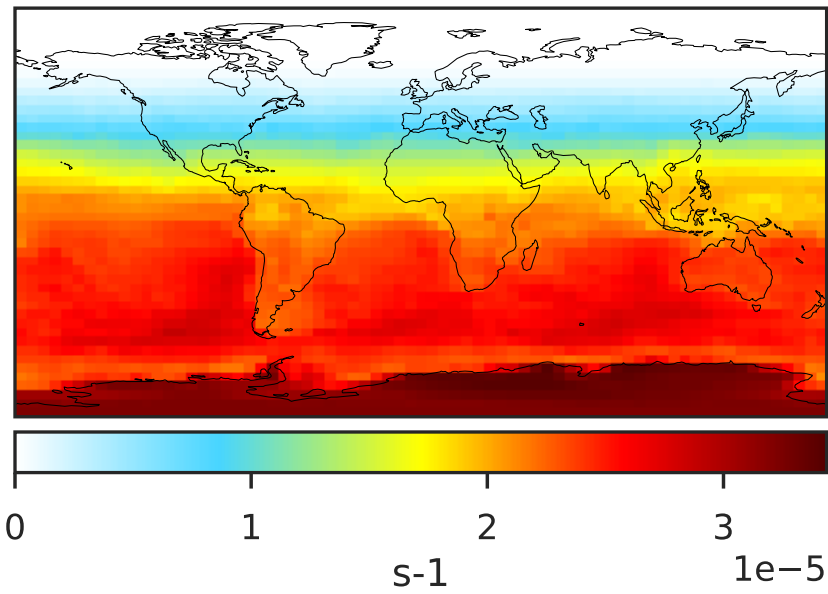
Ratio  
Dev/Ref, Fixed Range



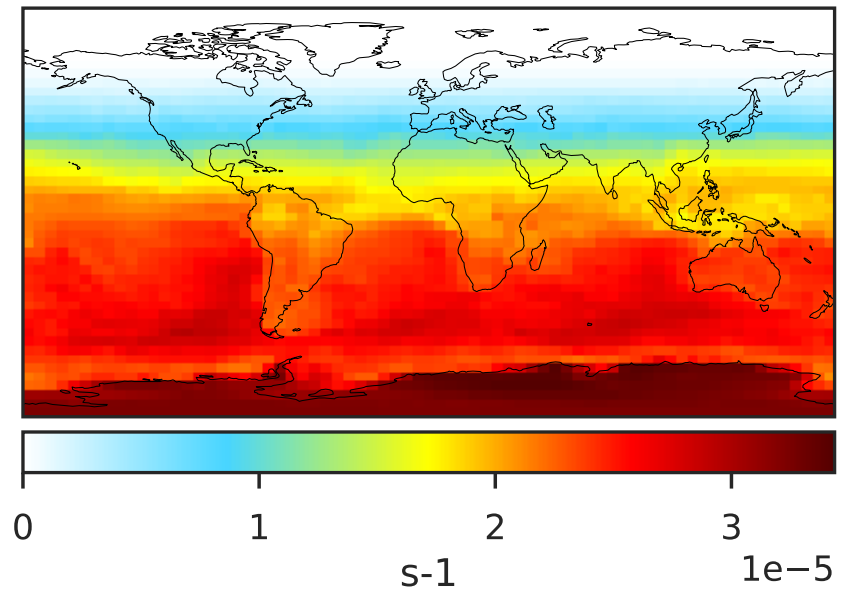
0.50 0.75 1.00 1.50 2.00  
unitless

# Jval\_NPHEN (Jan2019)

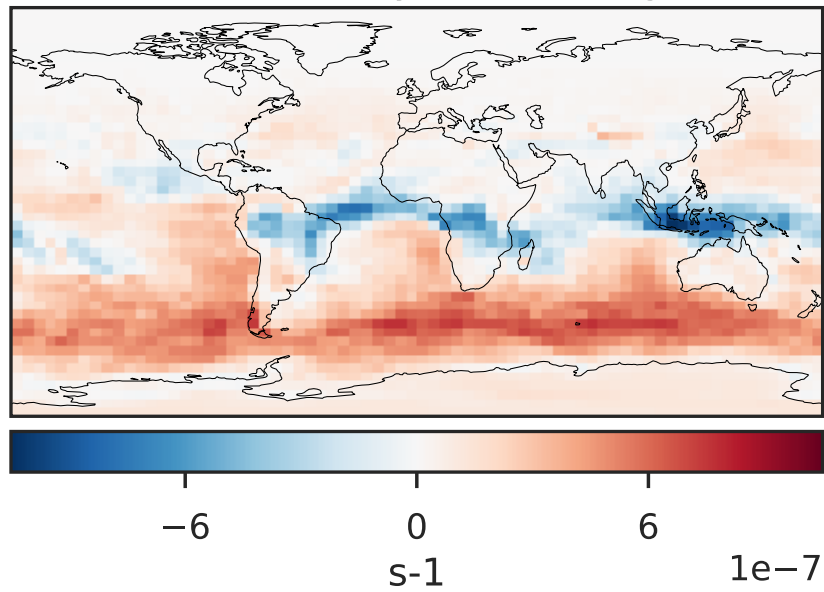
14.2.0-rc.2 (Ref)  
4.0x5.0



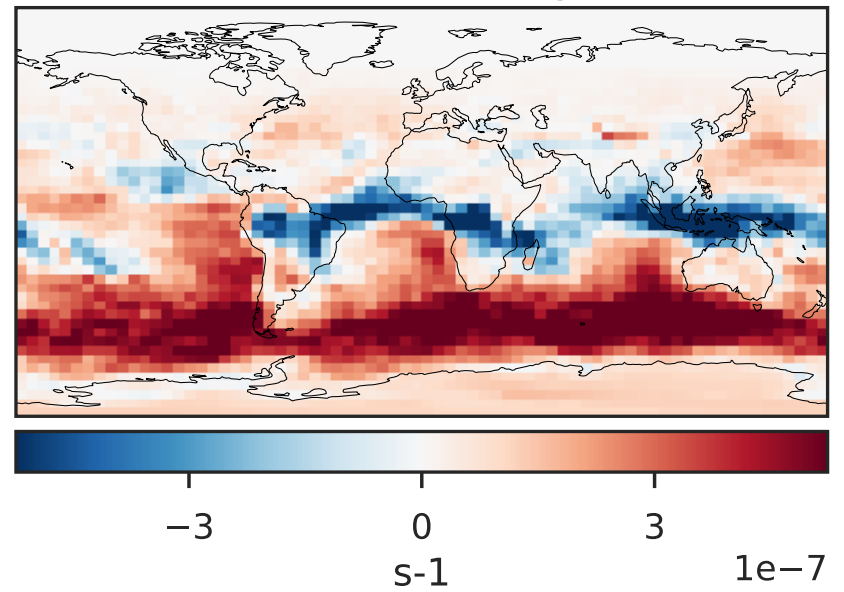
14.3.0-rc.0 (Dev)  
4.0x5.0



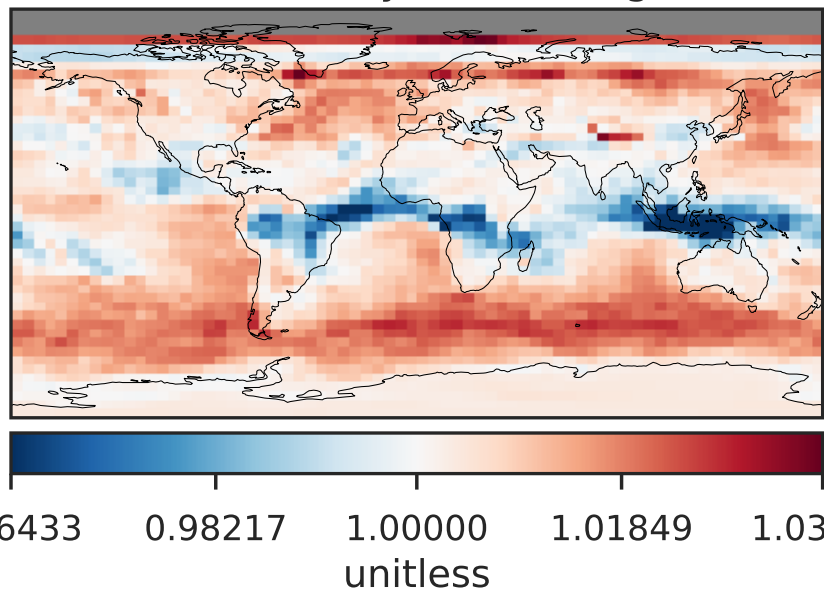
Difference  
Dev - Ref, Dynamic Range



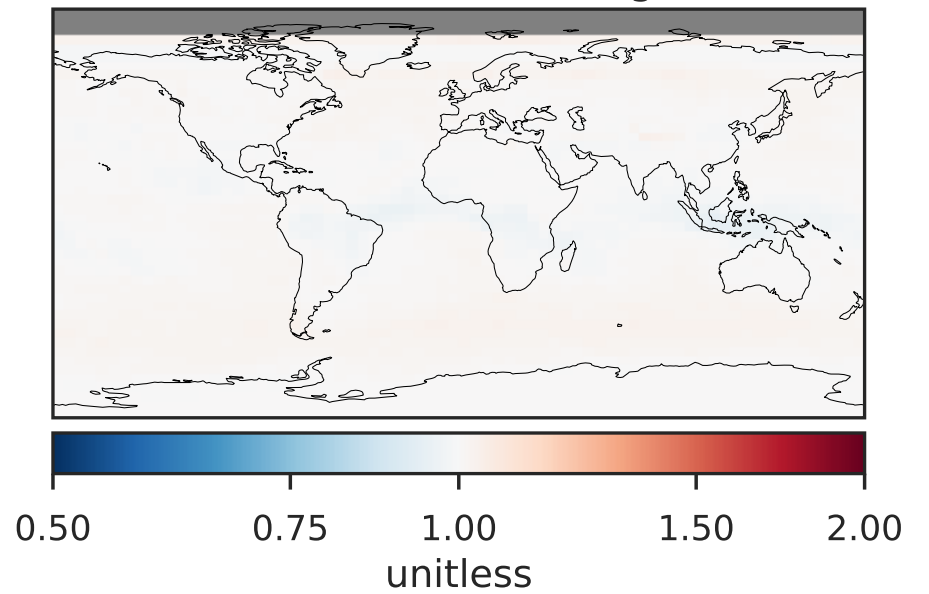
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

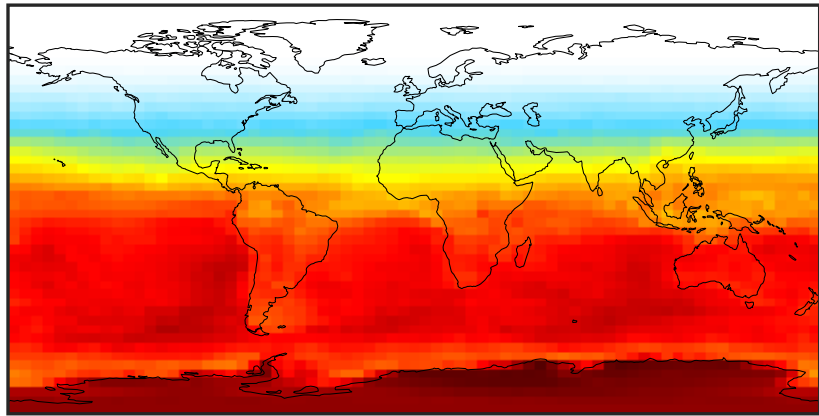


Ratio  
Dev/Ref, Fixed Range



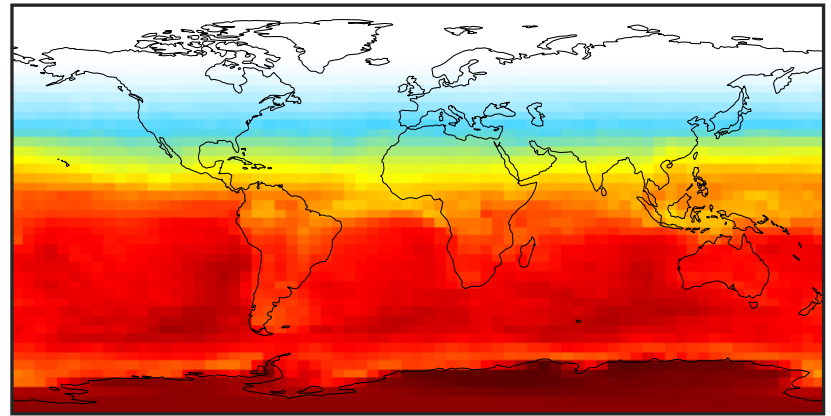
# Jval\_NPRNO3 (Jan2019)

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



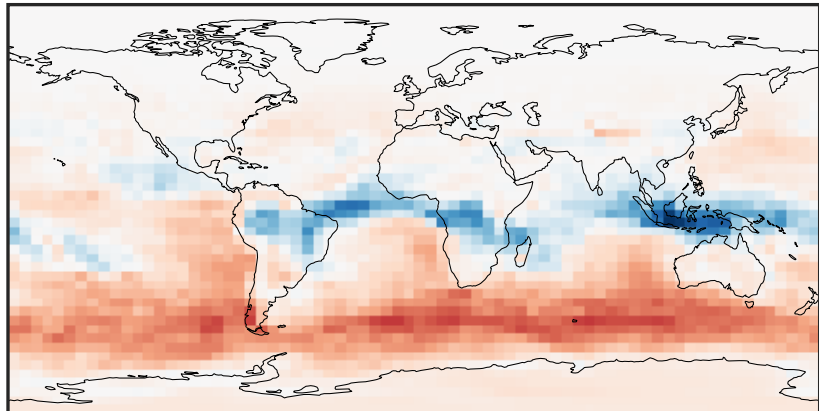
0.0 0.5 1.0 1.5  
s-1  $1e-6$

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



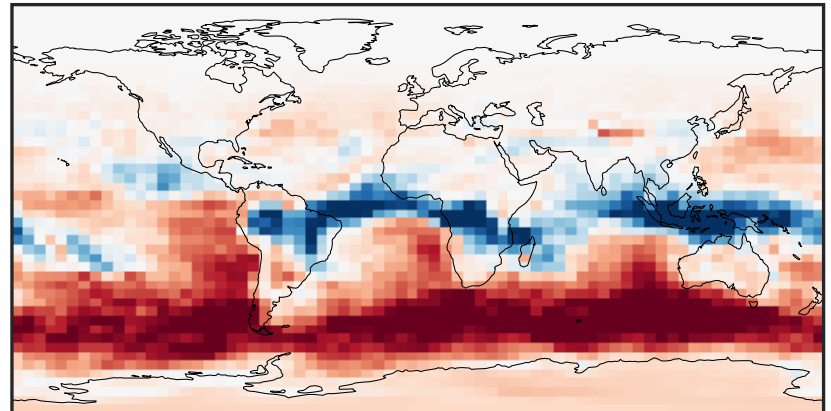
0.0 0.5 1.0 1.5  
s-1  $1e-6$

Difference  
Dev - Ref, Dynamic Range



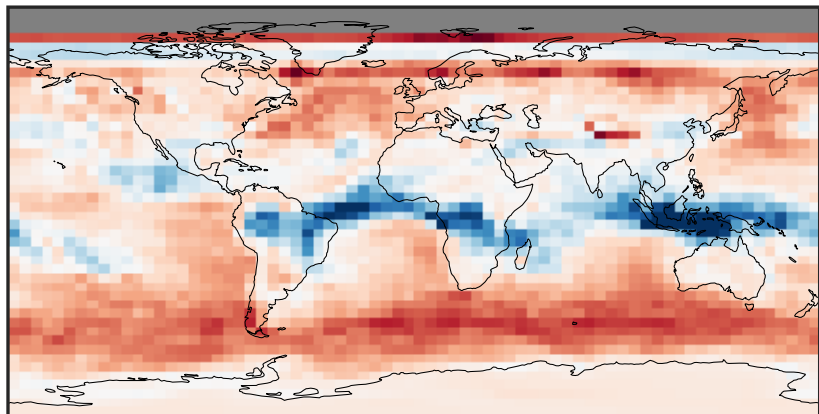
-3 0 3  
s-1  $1e-8$

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



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

Ratio  
Dev/Ref, Dynamic Range



0.96452 0.98226 1.00000 1.01839 1.03678  
unitless

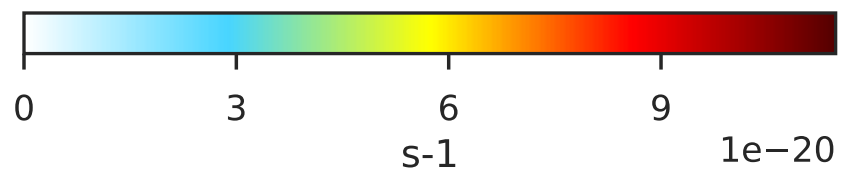
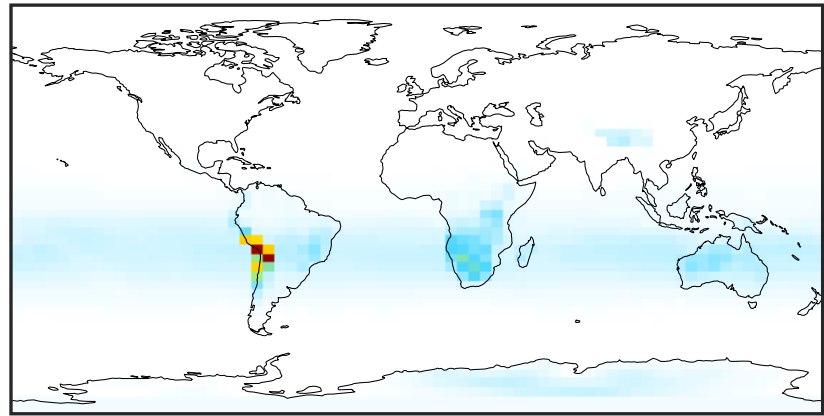
Ratio  
Dev/Ref, Fixed Range



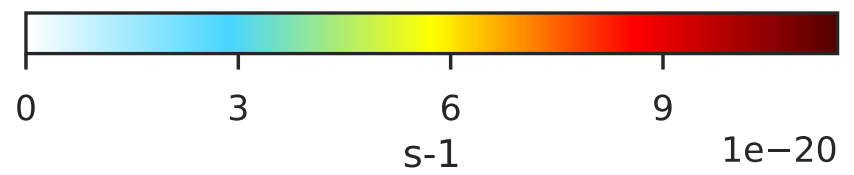
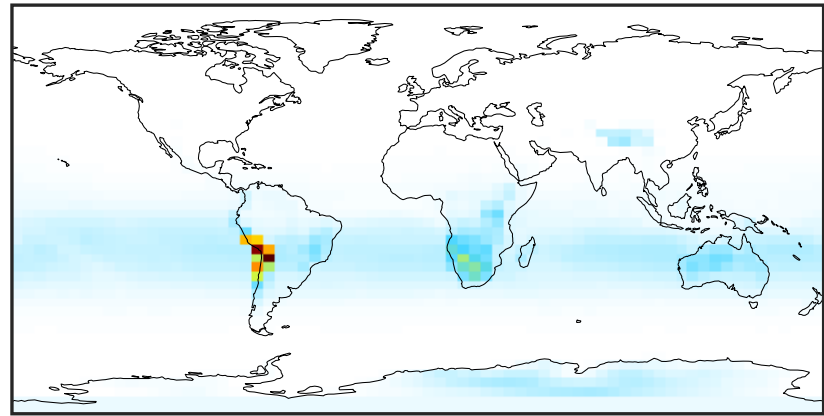
0.50 0.75 1.00 1.50 2.00  
unitless

# Jval\_O2 (Jan2019)

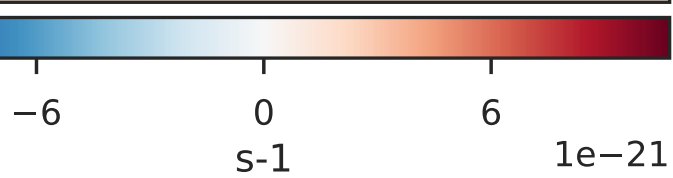
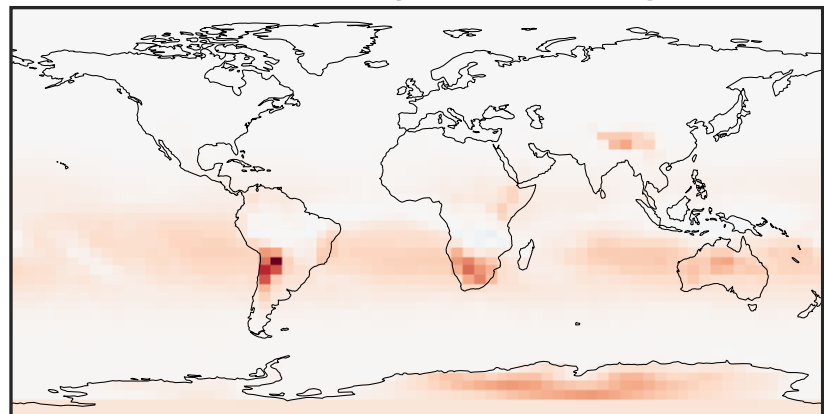
14.2.0-rc.2 (Ref)  
4.0x5.0



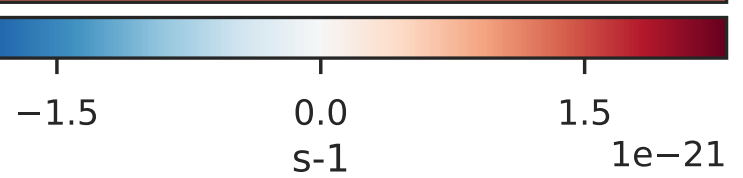
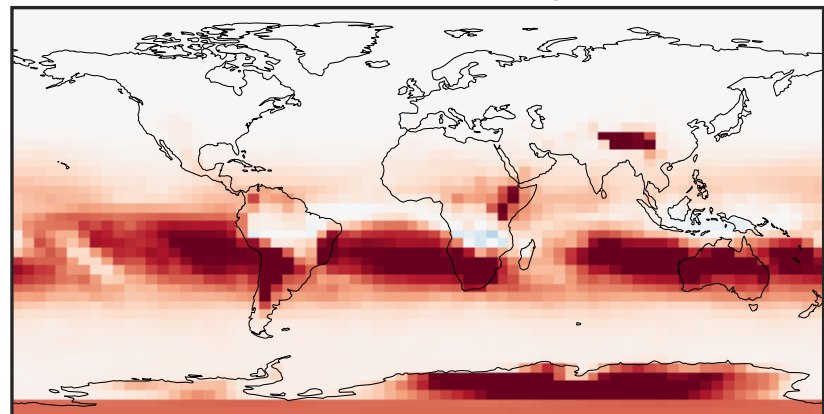
14.3.0-rc.0 (Dev)  
4.0x5.0



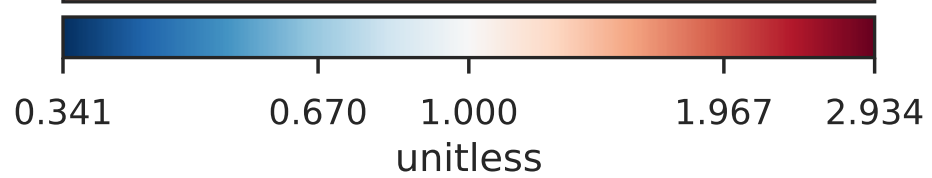
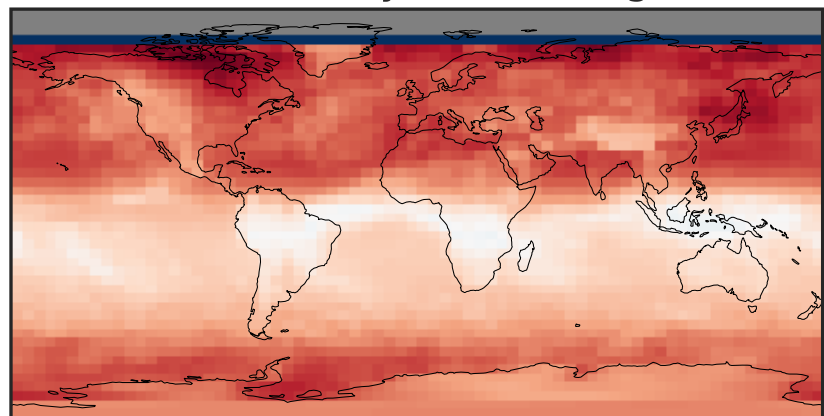
Difference  
Dev - Ref, Dynamic Range



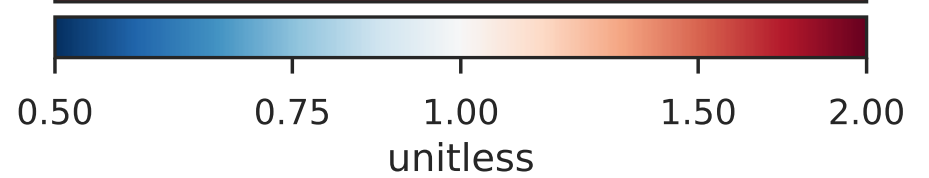
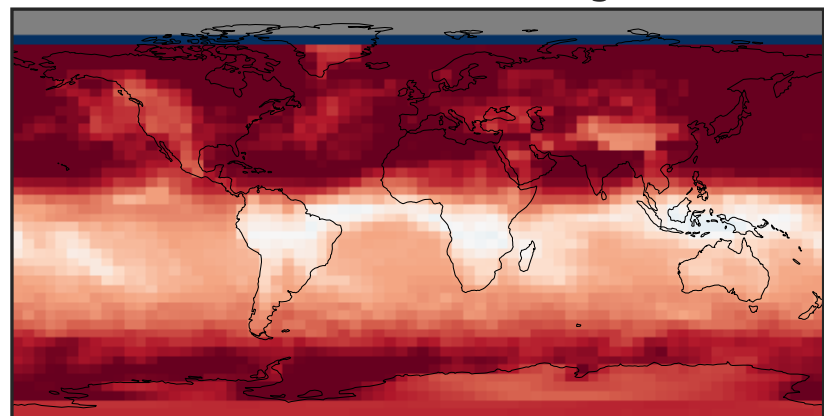
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



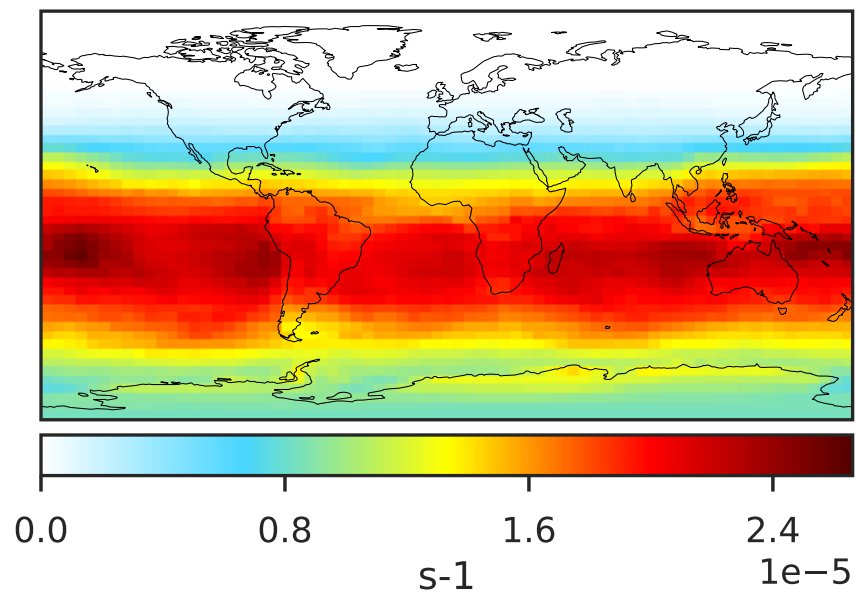
Ratio  
Dev/Ref, Fixed Range



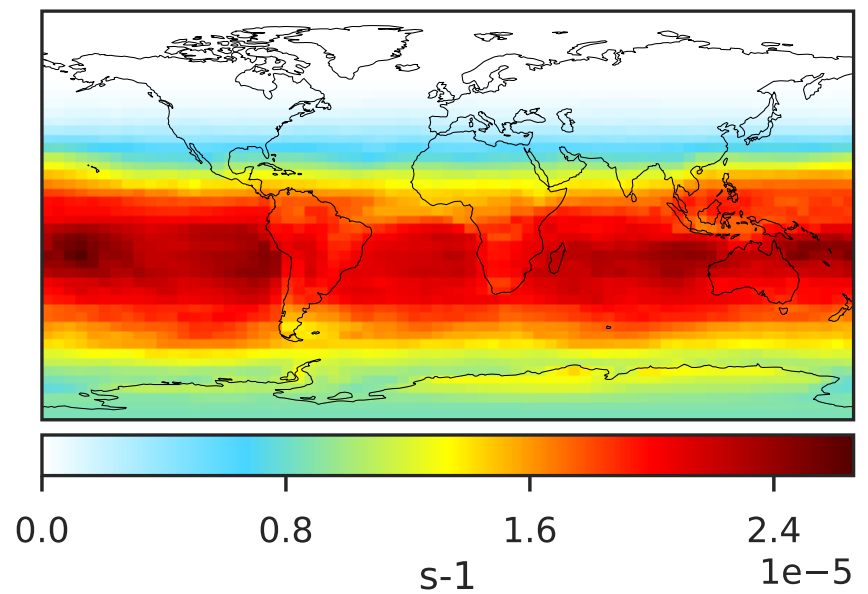


# Jval\_O3 (Jan2019)

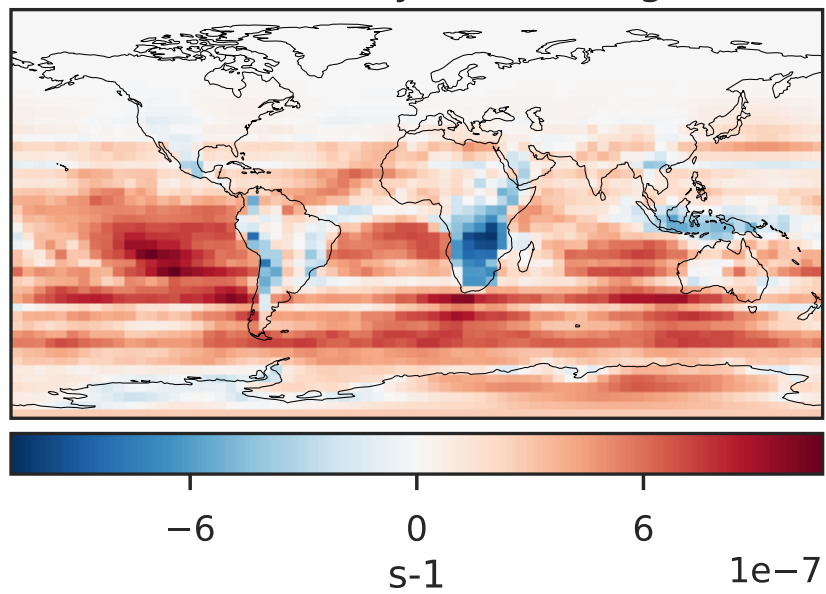
14.2.0-rc.2 (Ref)  
4.0x5.0



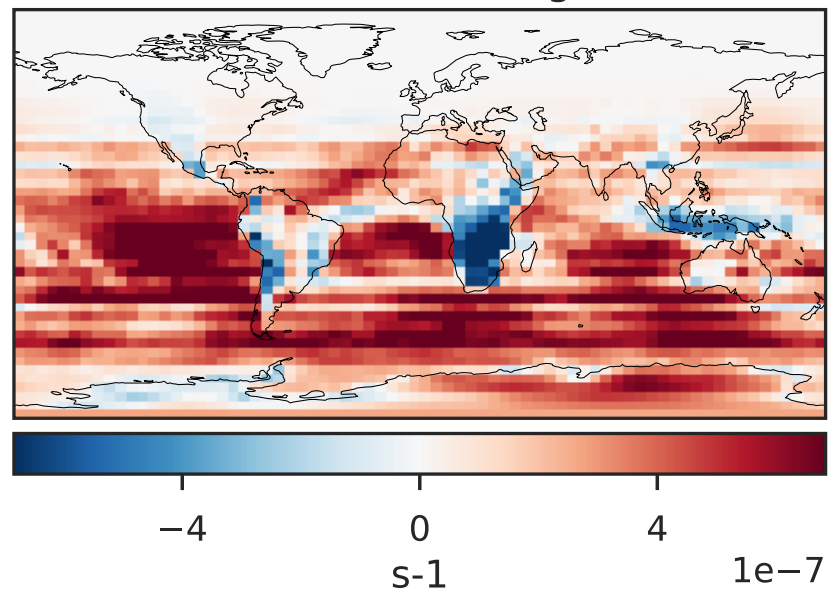
14.3.0-rc.0 (Dev)  
4.0x5.0



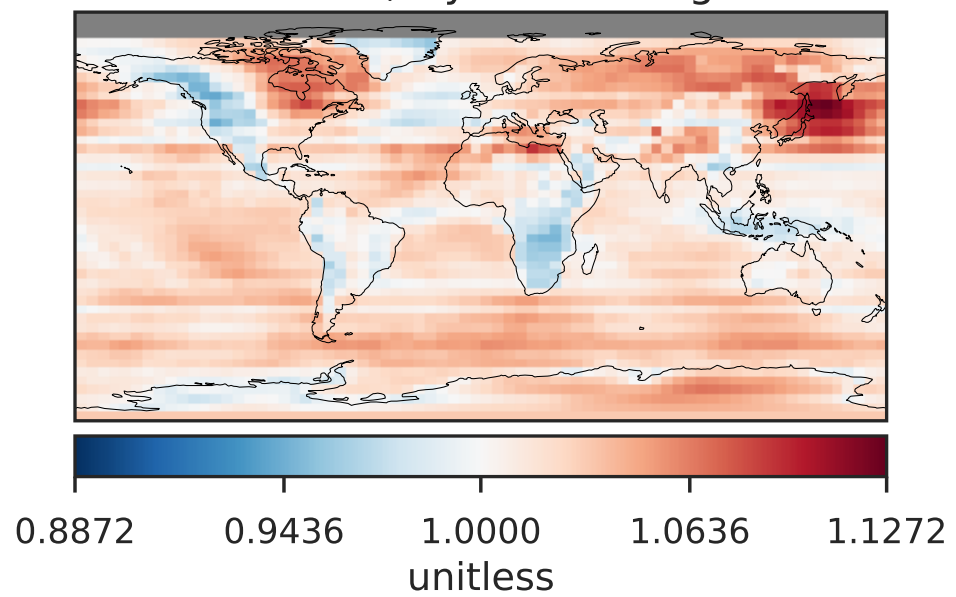
Difference  
Dev - Ref, Dynamic Range



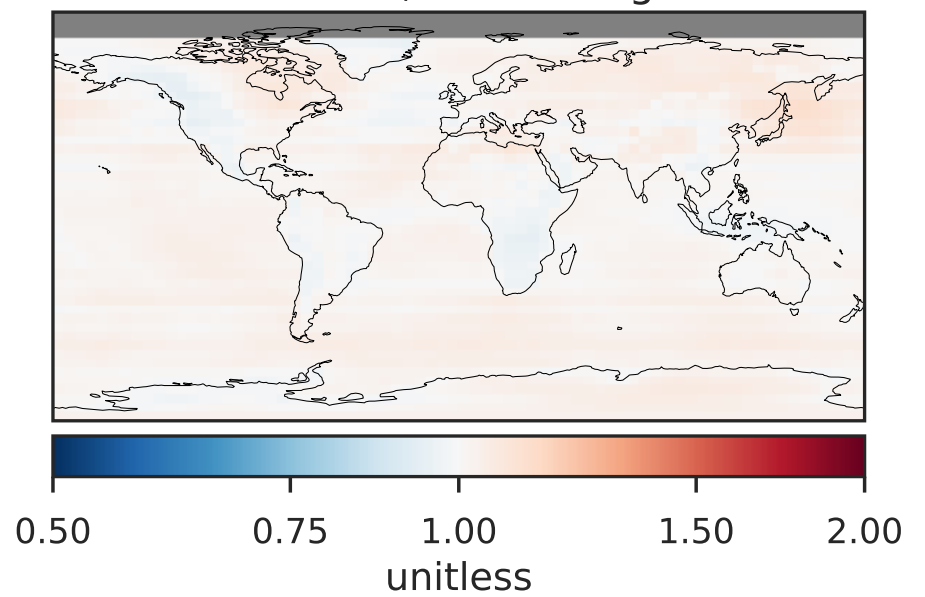
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

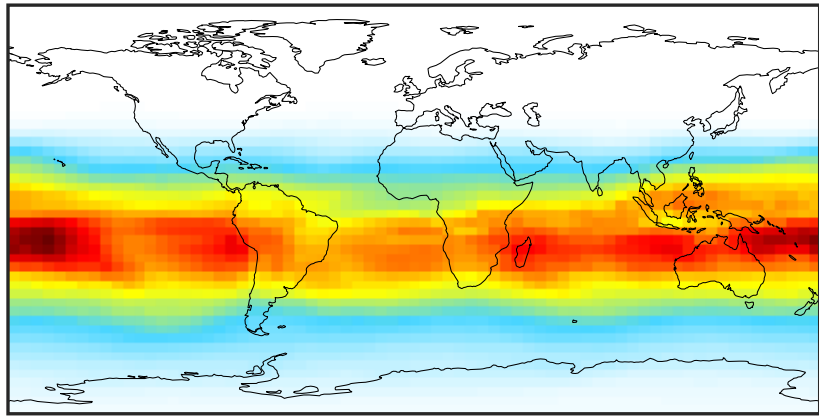


Ratio  
Dev/Ref, Fixed Range



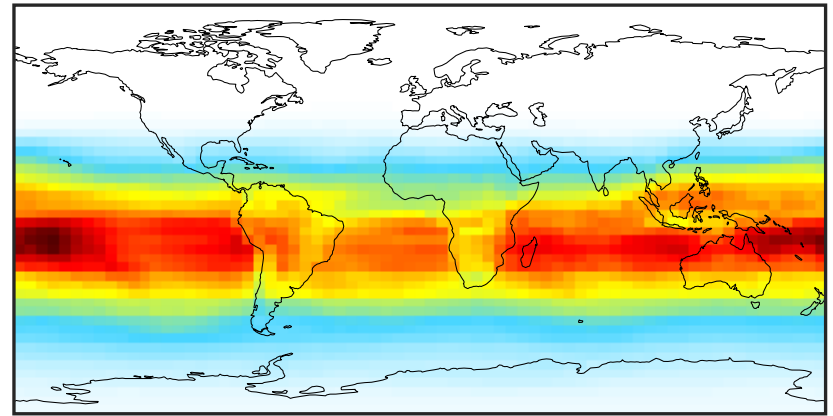
# Jval\_OCS (Jan2019)

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



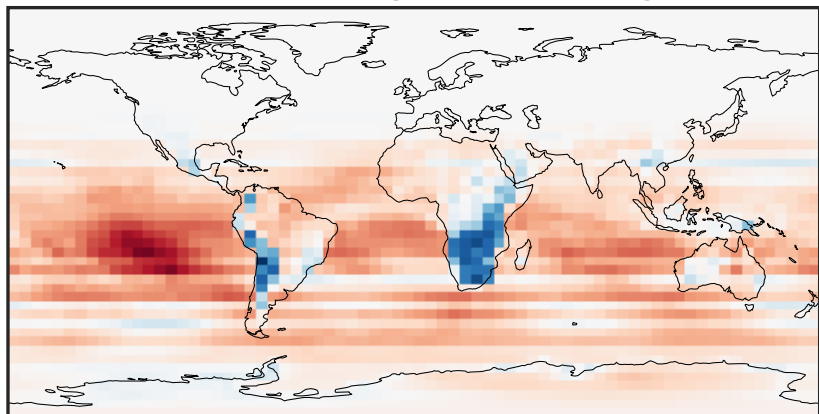
0.0 1.5 3.0 4.5  
s-1 1e-12

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



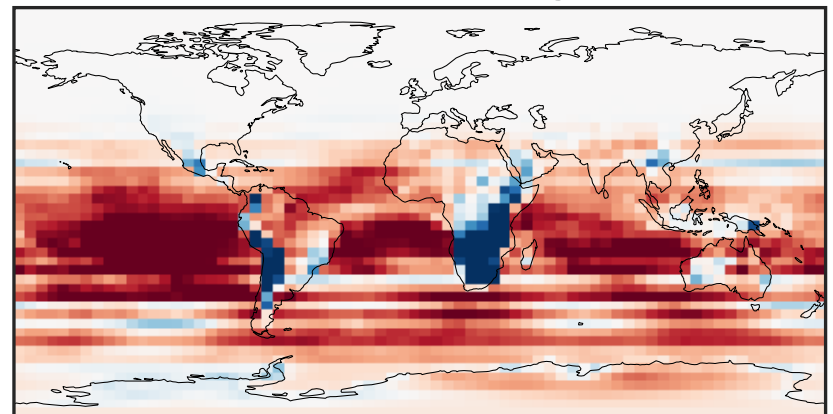
0.0 1.5 3.0 4.5  
s-1 1e-12

Difference  
Dev - Ref, Dynamic Range



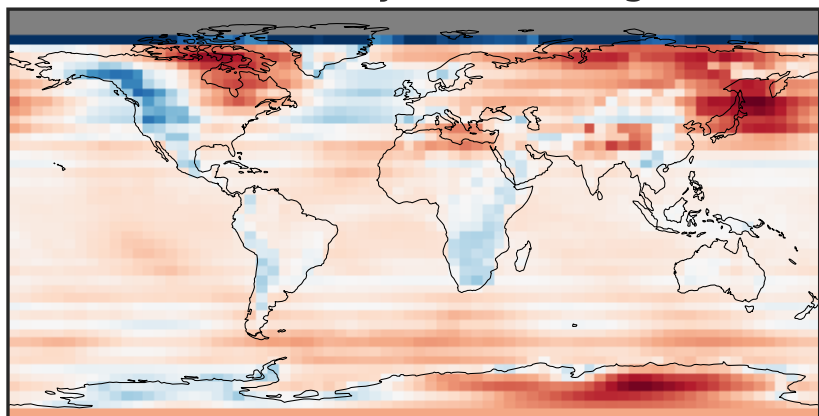
-2 0 2  
s-1 1e-13

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



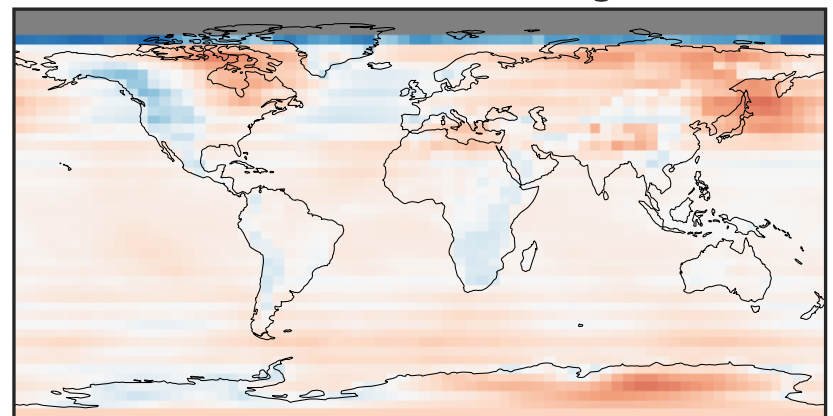
-1 0 1  
s-1 1e-13

Ratio  
Dev/Ref, Dynamic Range



0.6826 0.8413 1.0000 1.2325 1.4651  
unitless

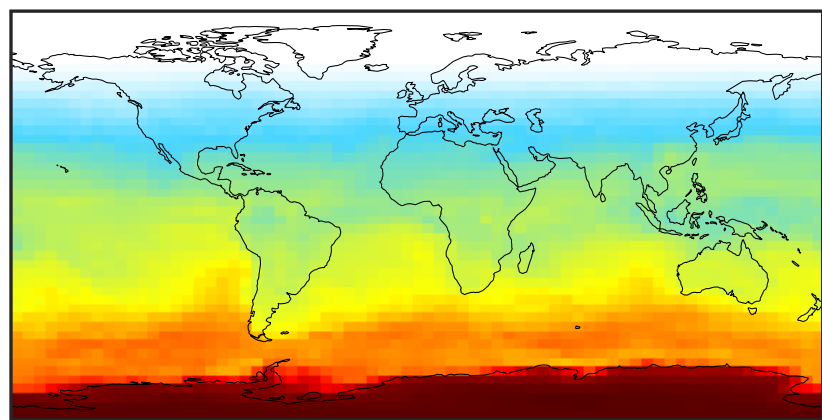
Ratio  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

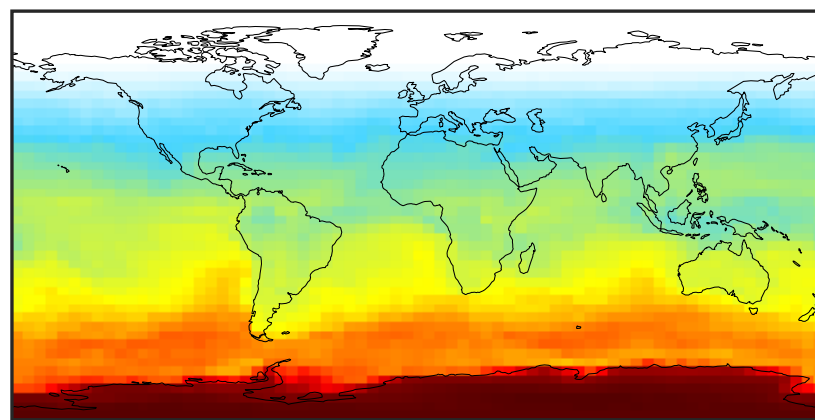
# Jval\_OCIO (Jan2019)

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



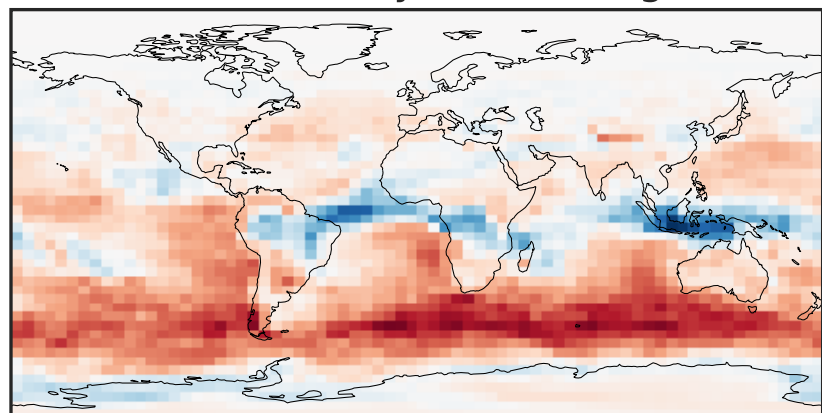
0.0000 0.0293 0.0585 0.0878 0.1170  
s-1

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



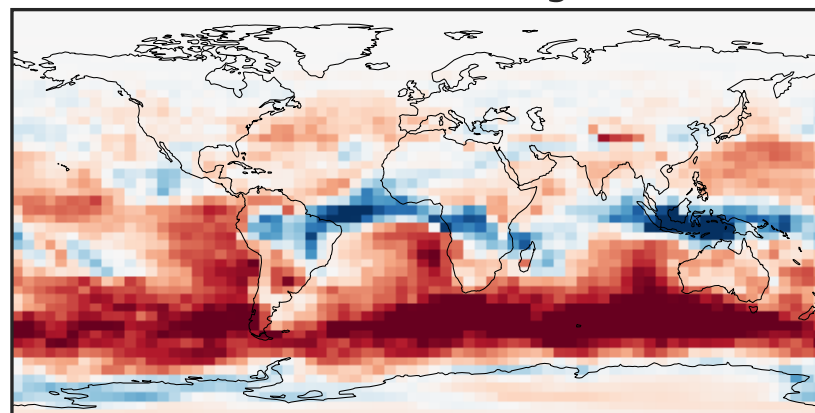
0.0000 0.0293 0.0585 0.0878 0.1170  
s-1

Difference  
Dev - Ref, Dynamic Range



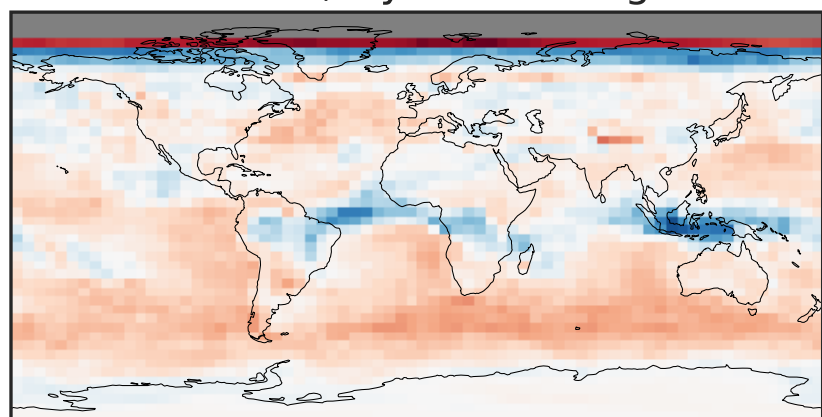
-0.0015 0.0000 0.0015  
s-1

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



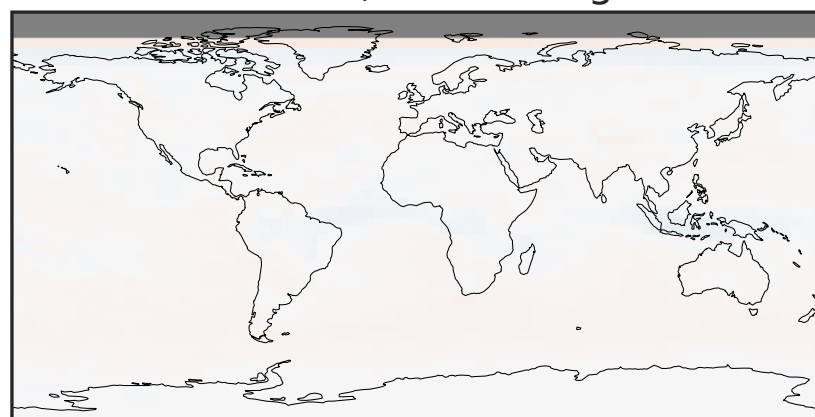
-0.0008 0.0000 0.0008  
s-1

Ratio  
Dev/Ref, Dynamic Range



0.9399 0.9699 1.0000 1.0320 1.0640  
unitless

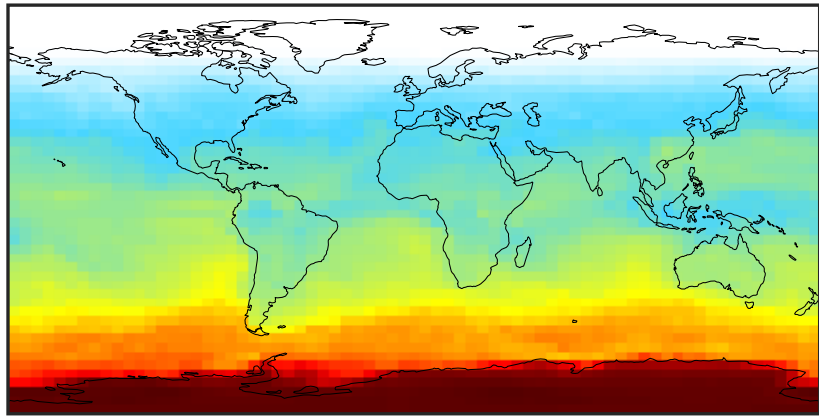
Ratio  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

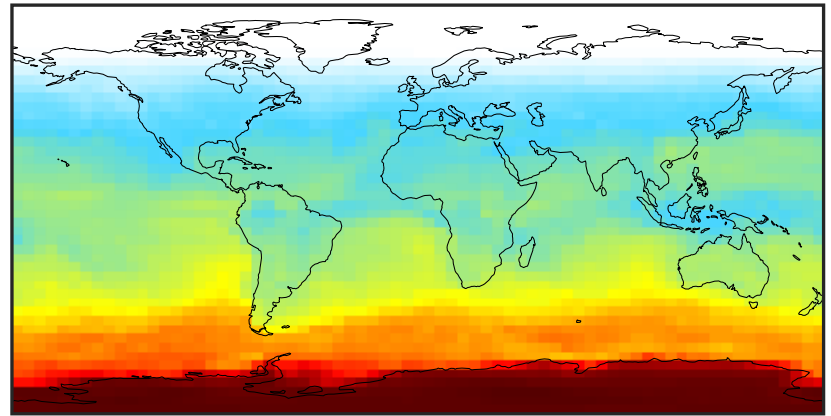
# Jval\_OIO (Jan2019)

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



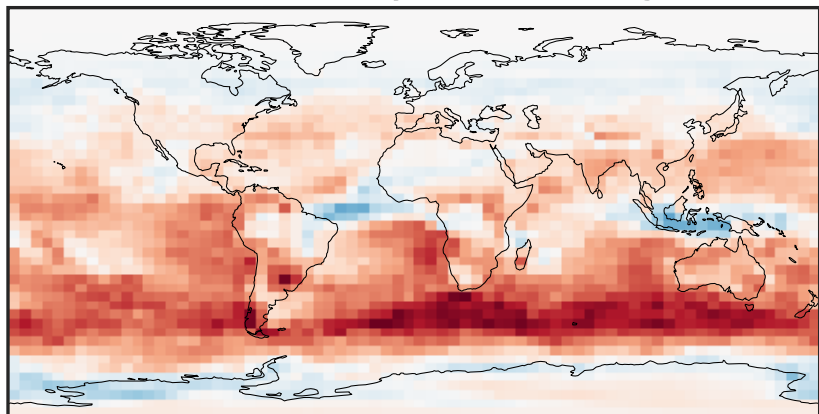
0.0000 0.0862 0.1724 0.2586 0.3448  
s-1

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



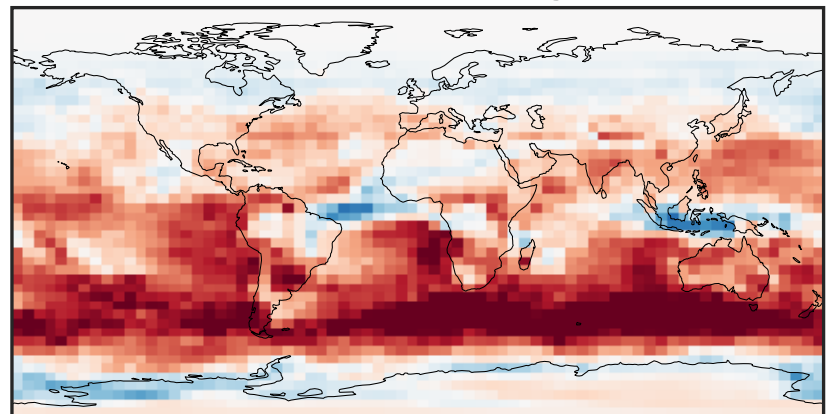
0.0000 0.0862 0.1724 0.2586 0.3448  
s-1

Difference  
Dev - Ref, Dynamic Range



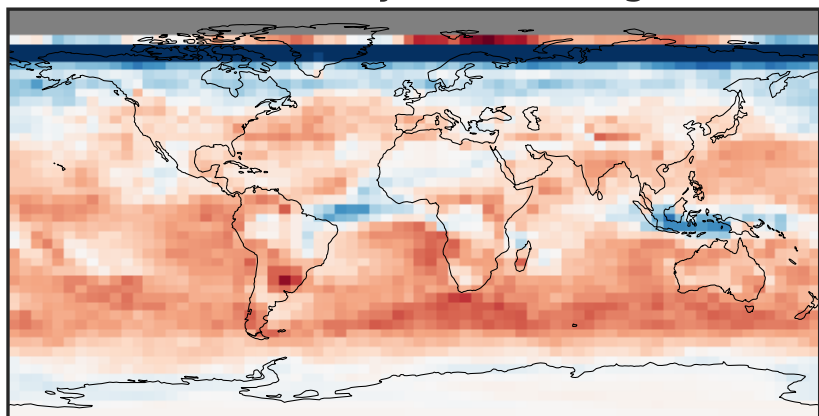
-0.004 0.000 0.004  
s-1

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



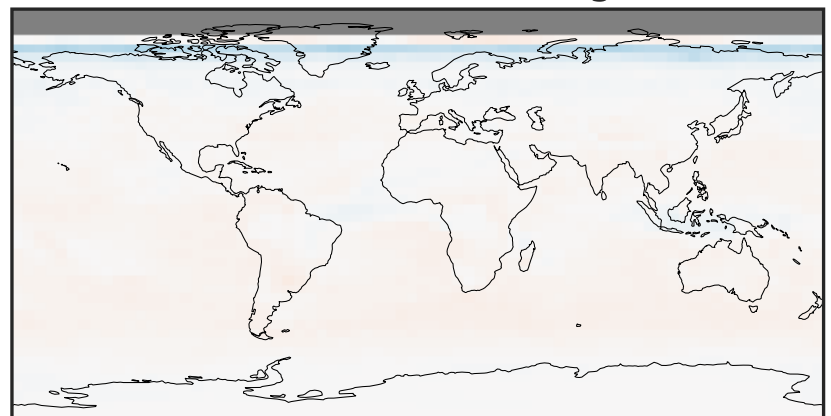
-0.003 0.000 0.003  
s-1

Ratio  
Dev/Ref, Dynamic Range



0.9400 0.9700 1.0000 1.0319 1.0638  
unitless

Ratio  
Dev/Ref, Fixed Range

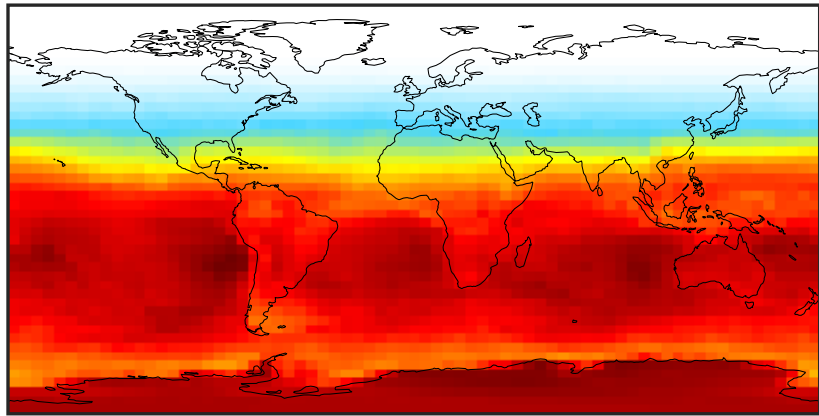


0.50 0.75 1.00 1.50 2.00  
unitless



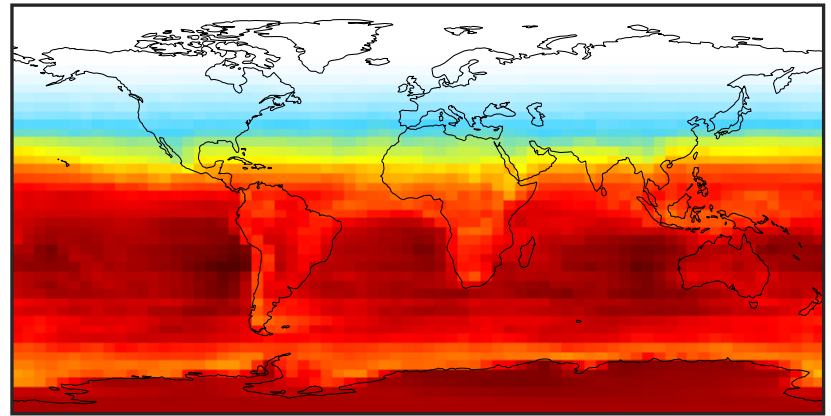
# Jval\_PAN (Jan2019)

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



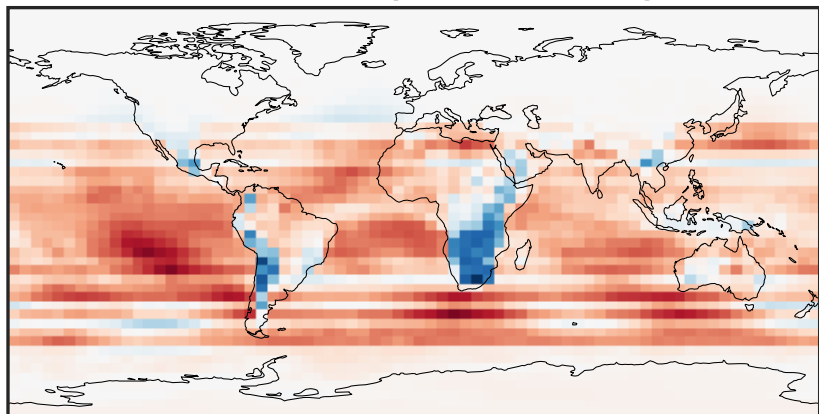
0.0 1.5 3.0 4.5  
s-1  $1e-7$

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



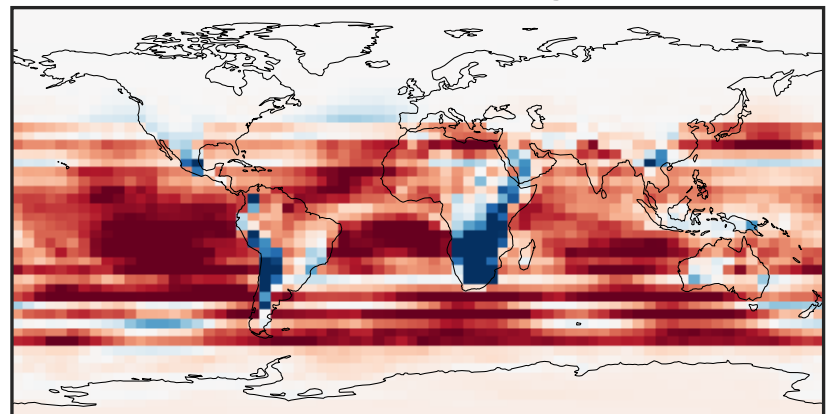
0.0 1.5 3.0 4.5  
s-1  $1e-7$

Difference  
Dev - Ref, Dynamic Range



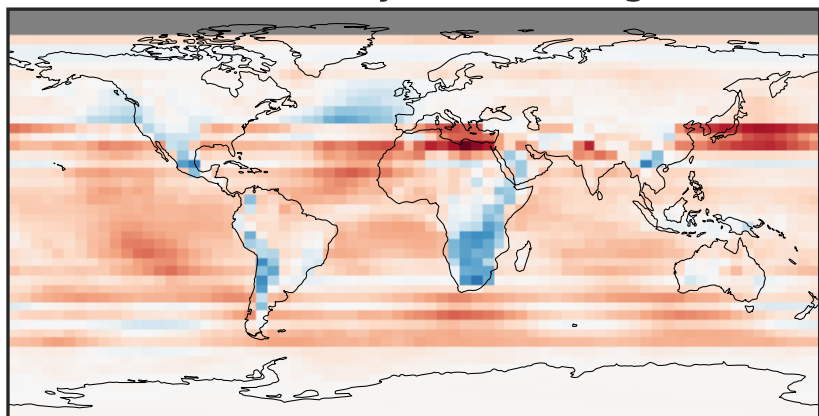
-2 0 2  
s-1  $1e-8$

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



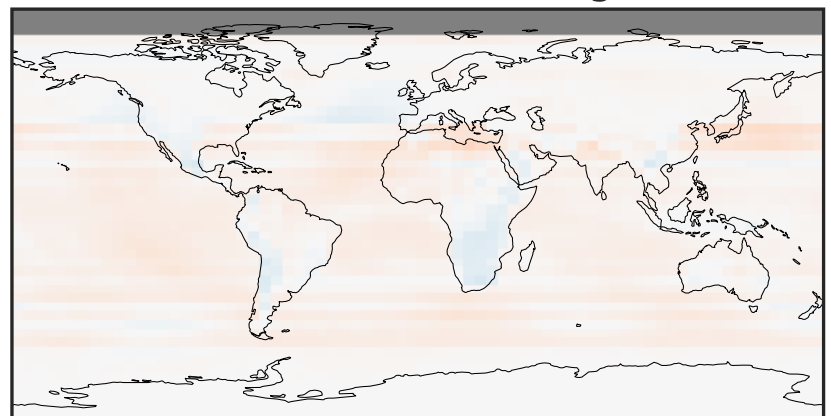
-1.5 0.0 1.5  
s-1  $1e-8$

Ratio  
Dev/Ref, Dynamic Range



0.8595 0.9298 1.0000 1.0817 1.1635  
unitless

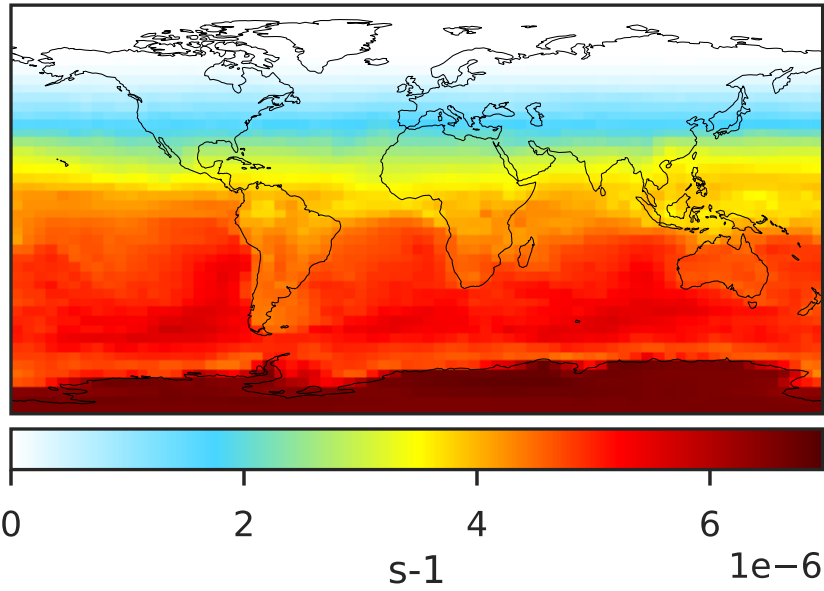
Ratio  
Dev/Ref, Fixed Range



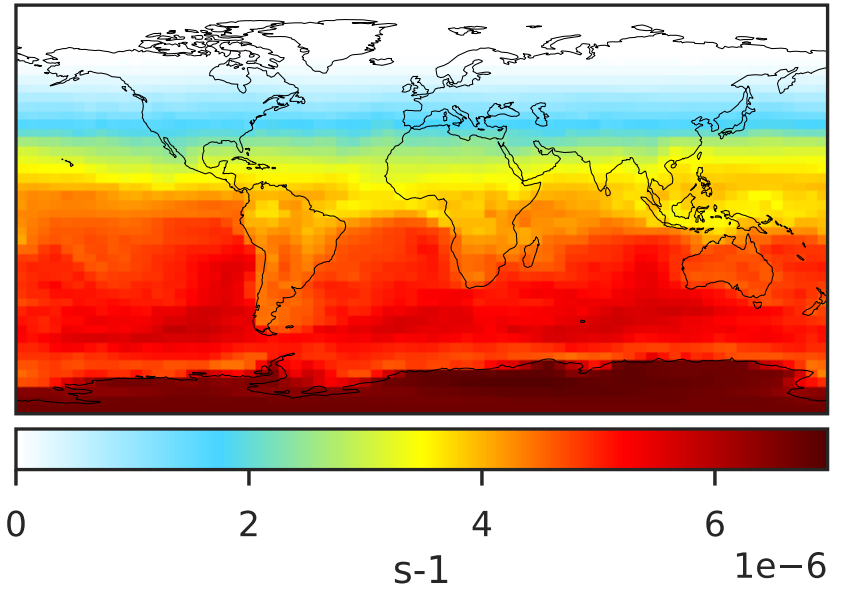
0.50 0.75 1.00 1.50 2.00  
unitless

# Jval\_PIP (Jan2019)

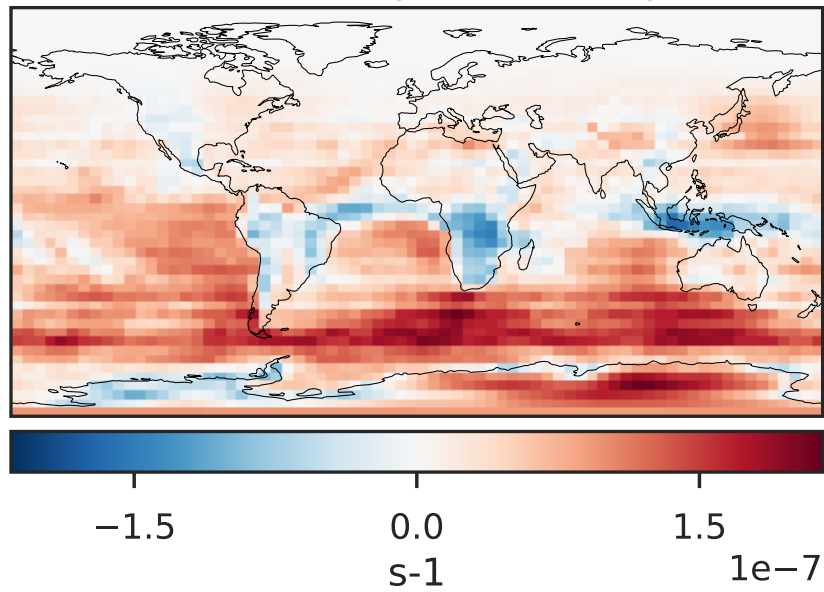
14.2.0-rc.2 (Ref)  
4.0x5.0



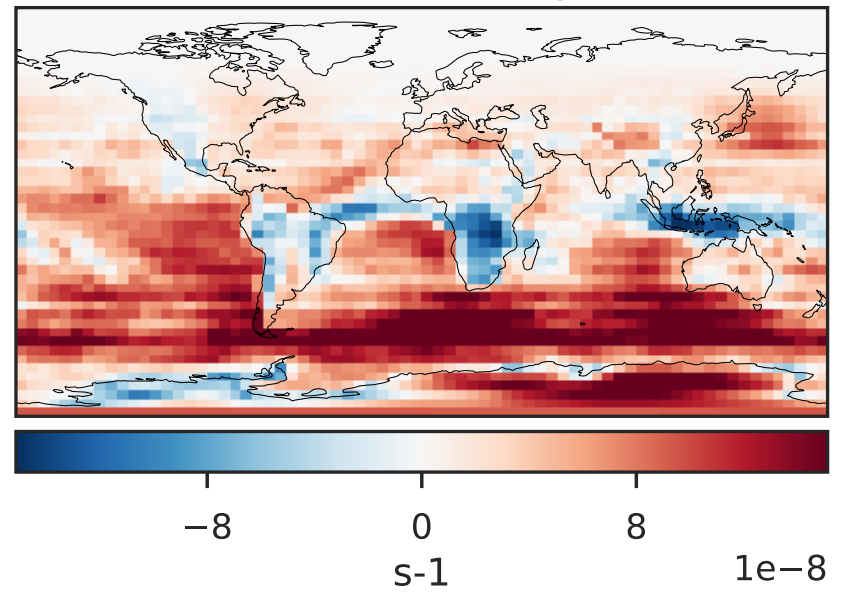
14.3.0-rc.0 (Dev)  
4.0x5.0



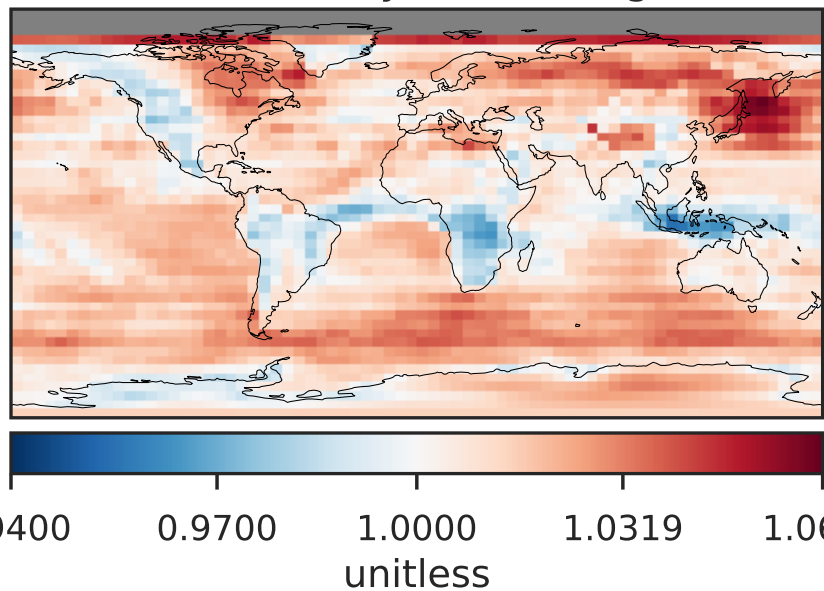
Difference  
Dev - Ref, Dynamic Range



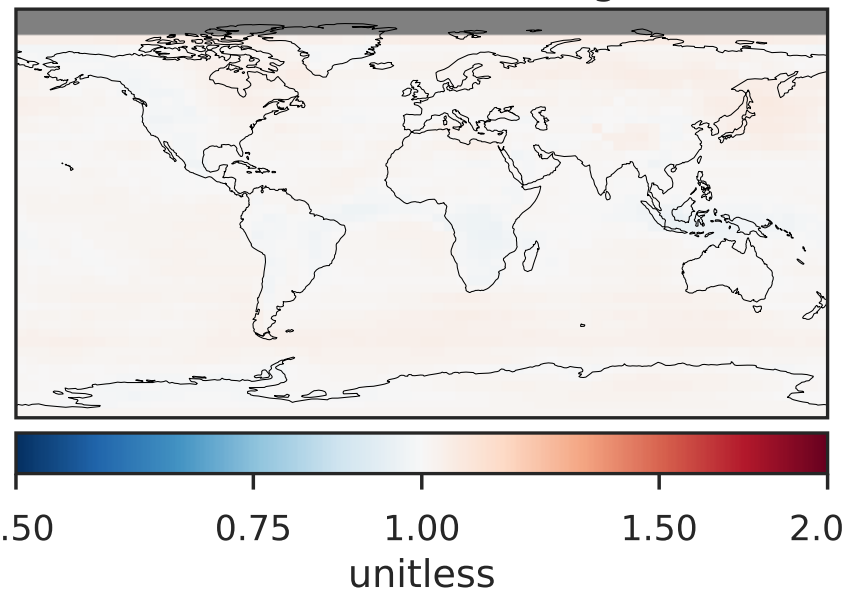
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

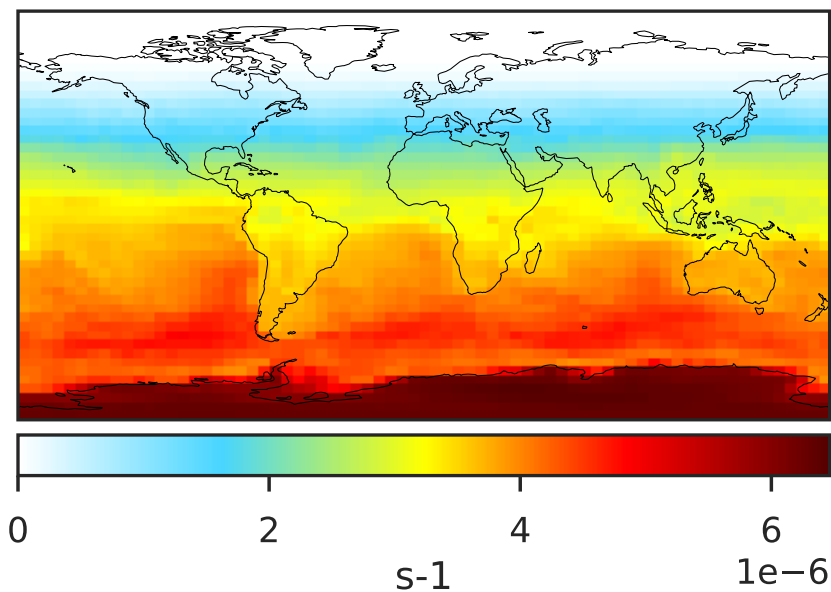


Ratio  
Dev/Ref, Fixed Range

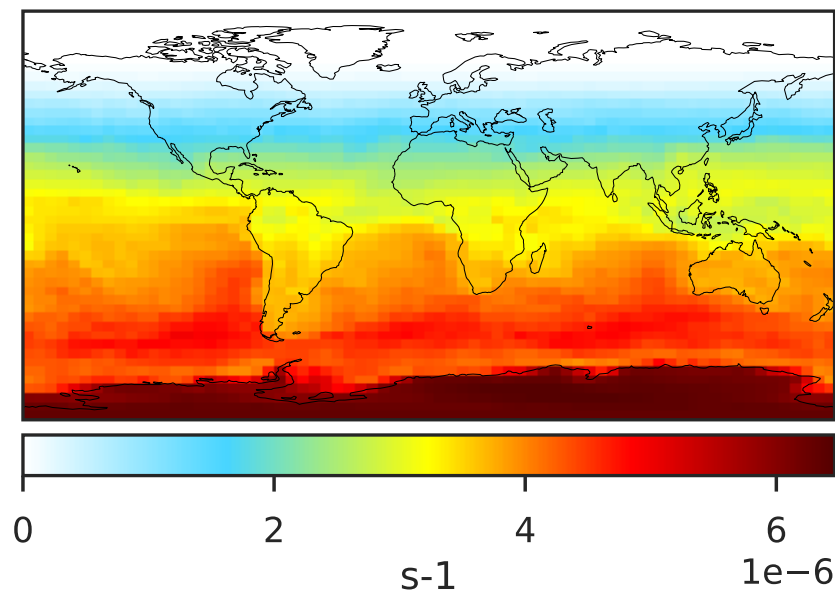


# Jval\_PP (Jan2019)

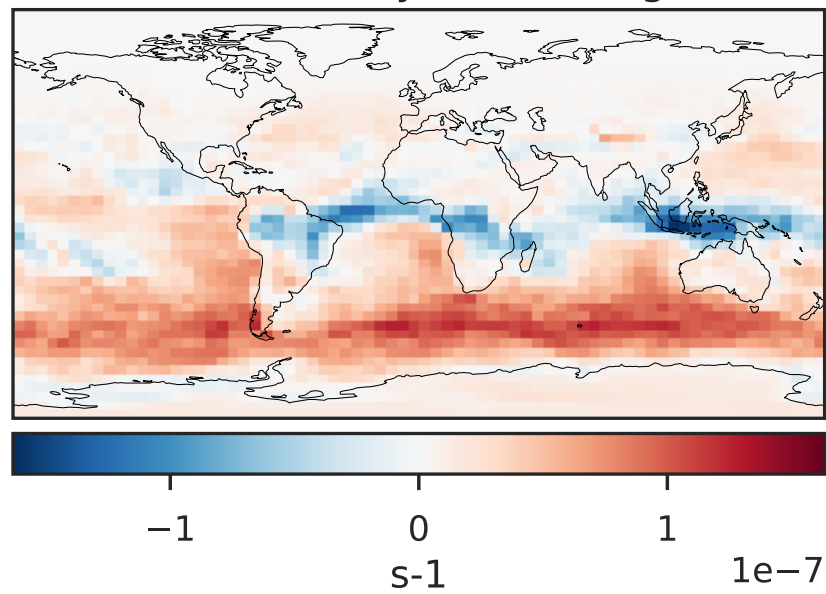
14.2.0-rc.2 (Ref)  
4.0x5.0



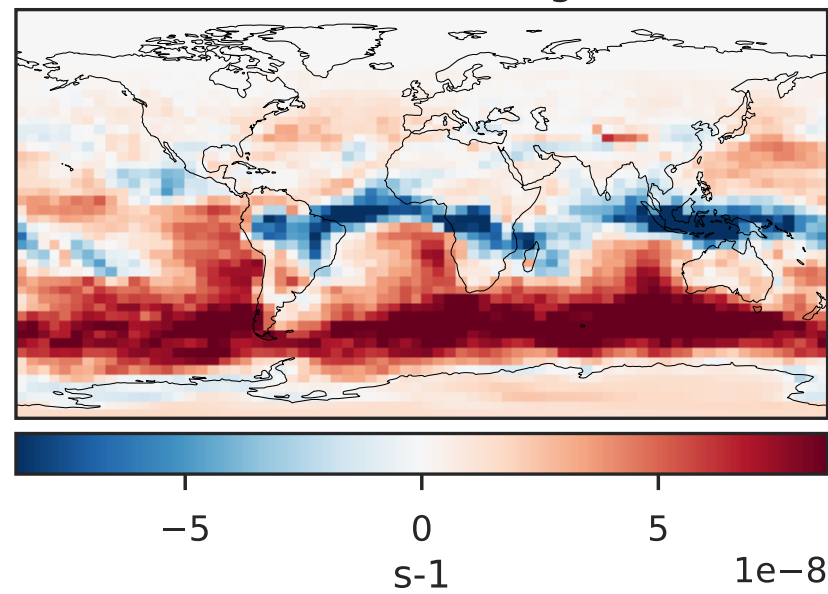
14.3.0-rc.0 (Dev)  
4.0x5.0



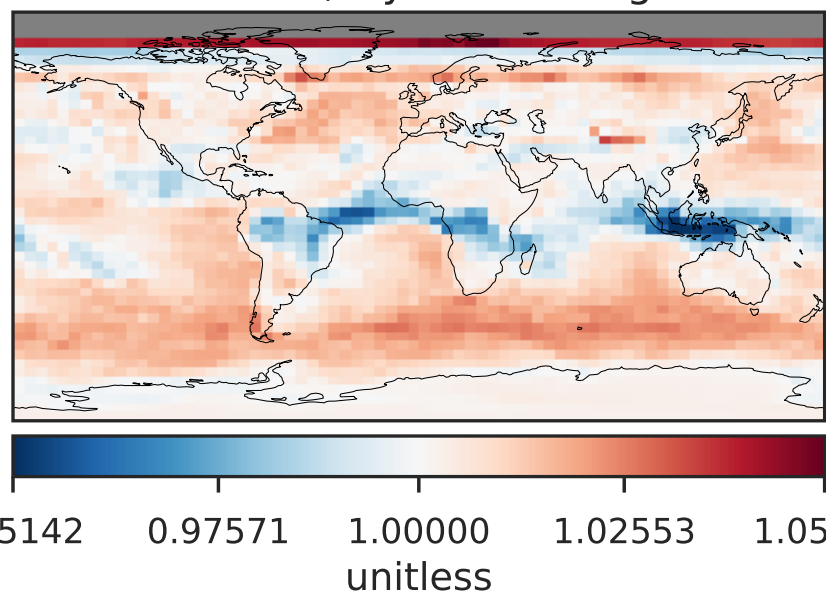
Difference  
Dev - Ref, Dynamic Range



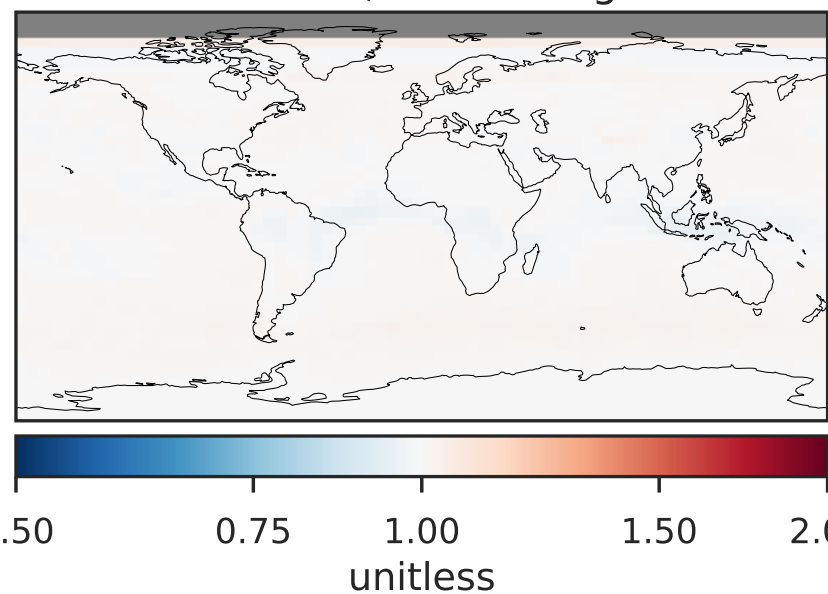
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

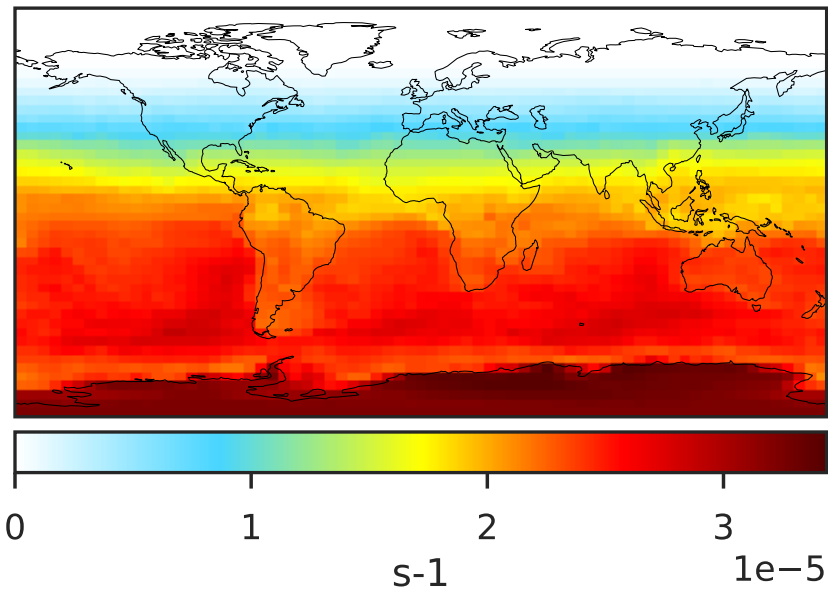


Ratio  
Dev/Ref, Fixed Range

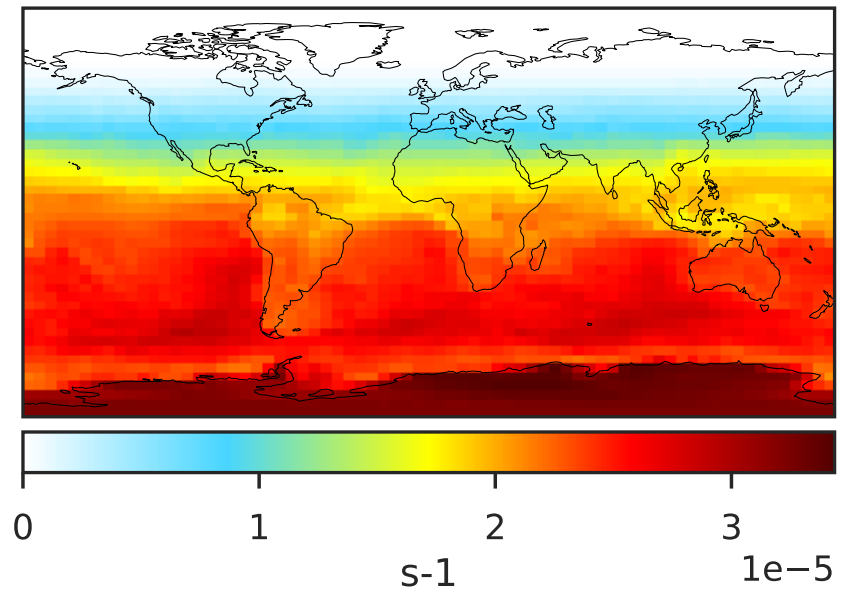


# Jval\_PROPNN (Jan2019)

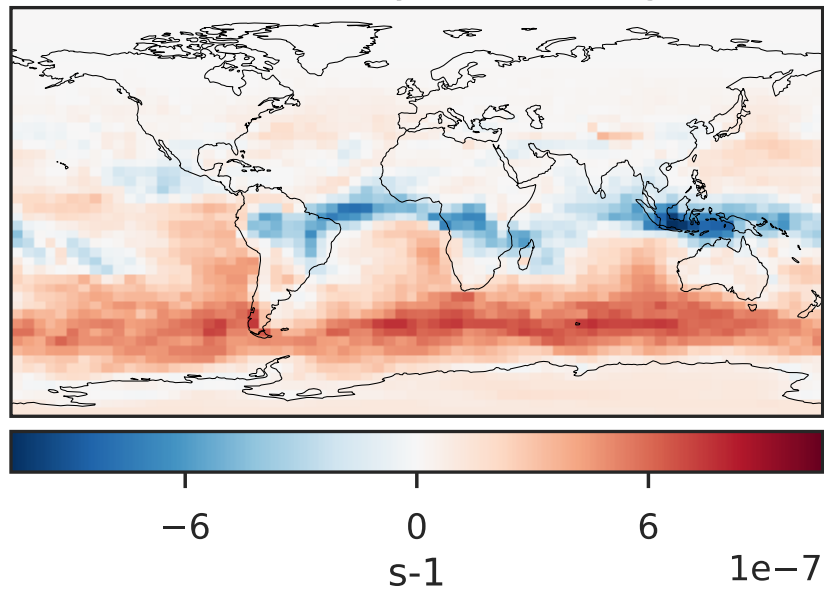
14.2.0-rc.2 (Ref)  
4.0x5.0



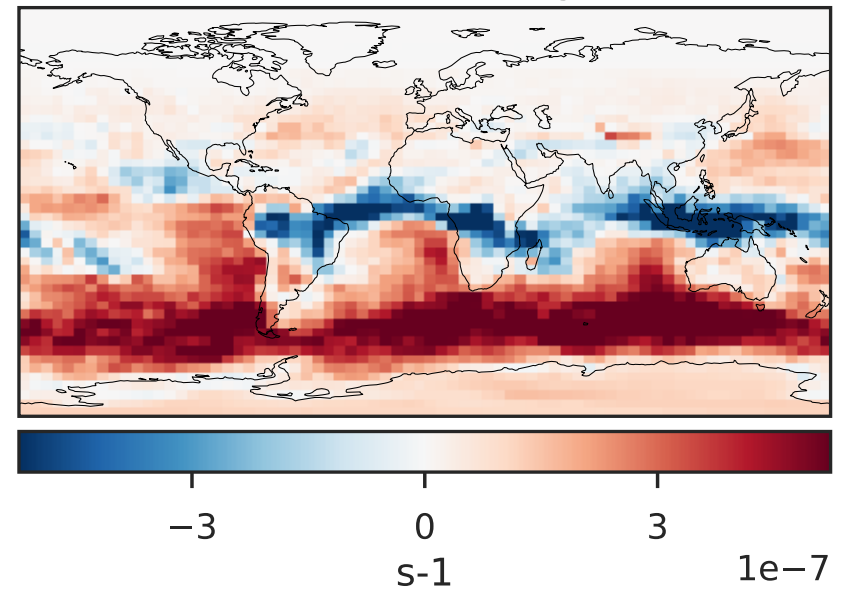
14.3.0-rc.0 (Dev)  
4.0x5.0



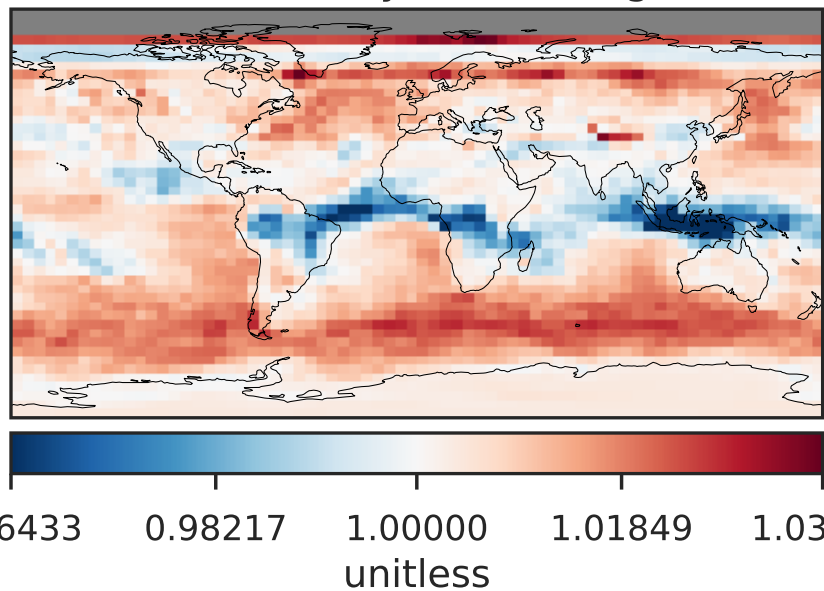
Difference  
Dev - Ref, Dynamic Range



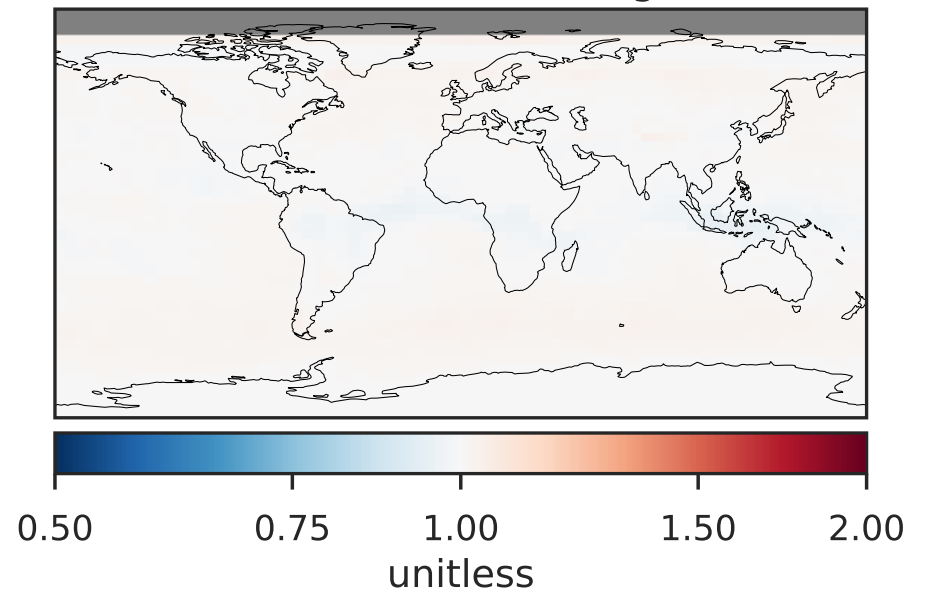
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



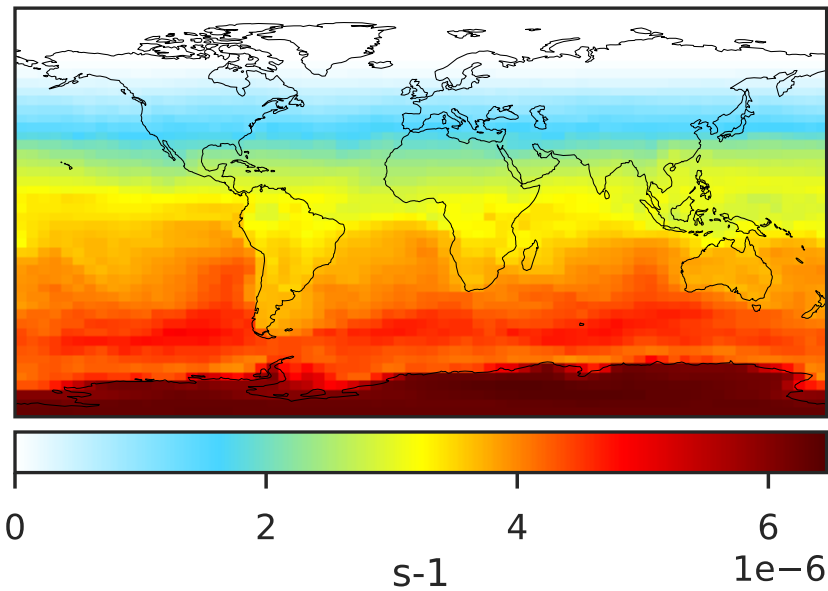
Ratio  
Dev/Ref, Fixed Range



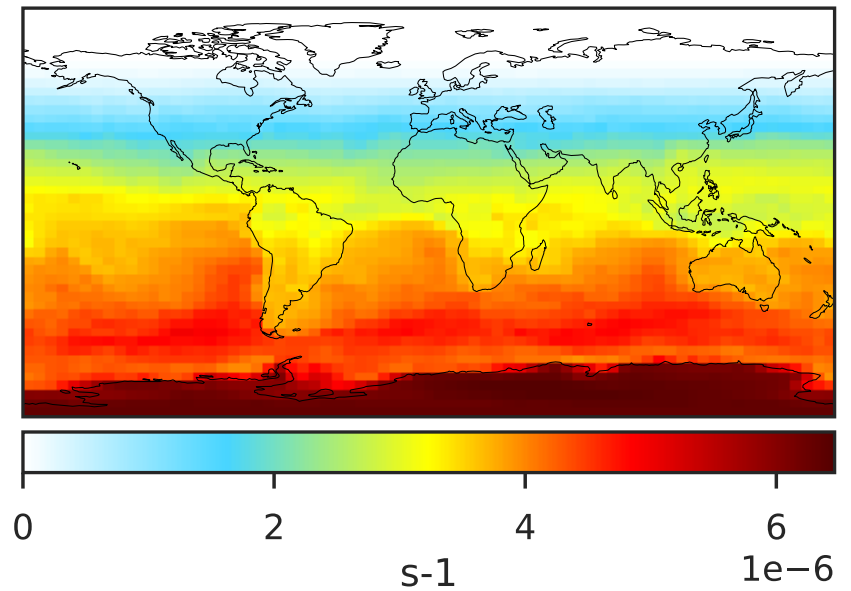


# Jval\_PRPN (Jan2019)

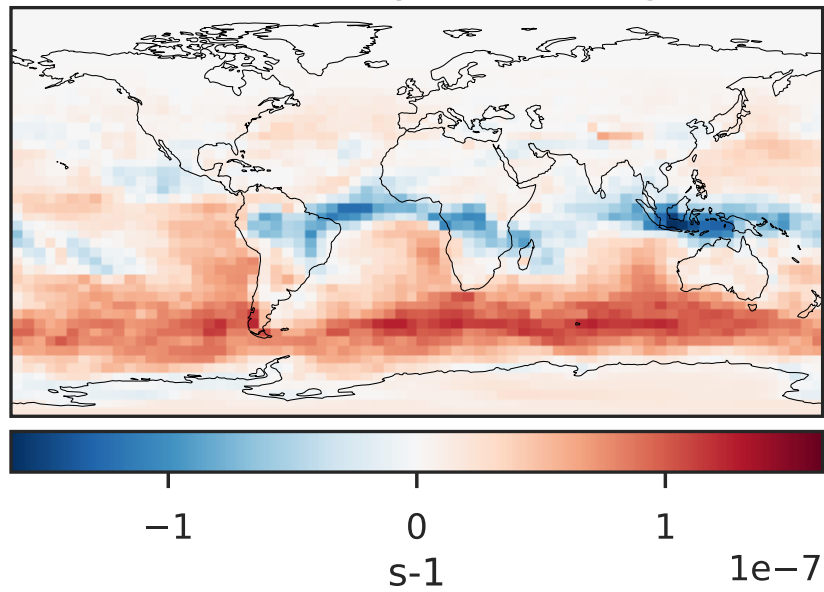
14.2.0-rc.2 (Ref)  
4.0x5.0



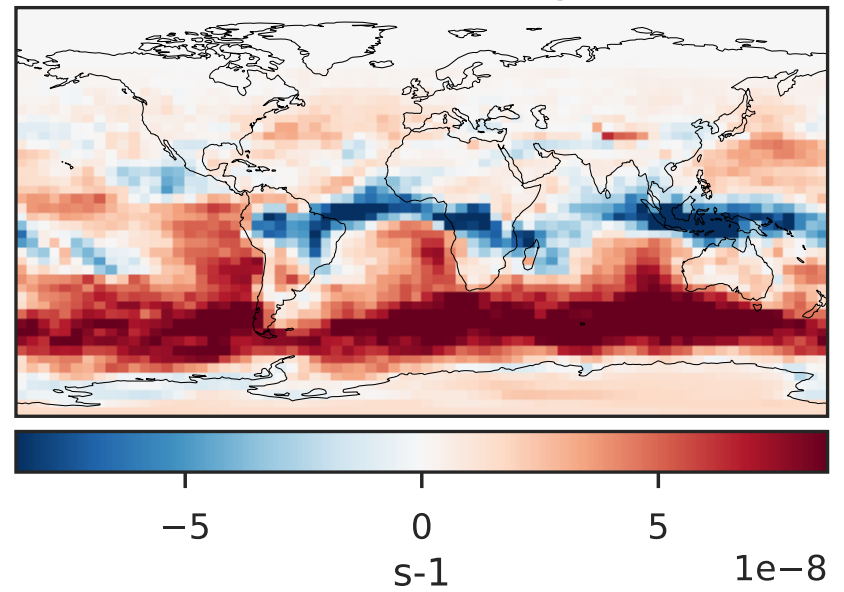
14.3.0-rc.0 (Dev)  
4.0x5.0



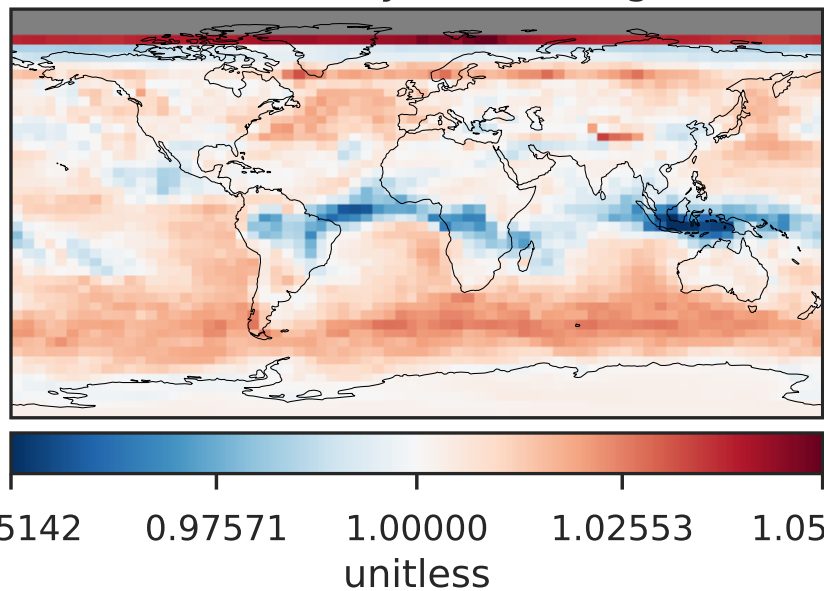
Difference  
Dev - Ref, Dynamic Range



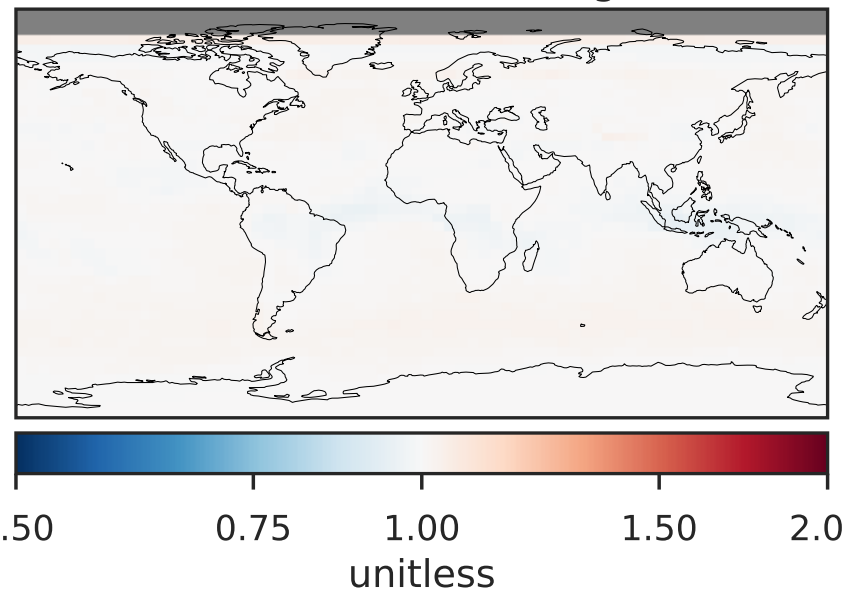
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

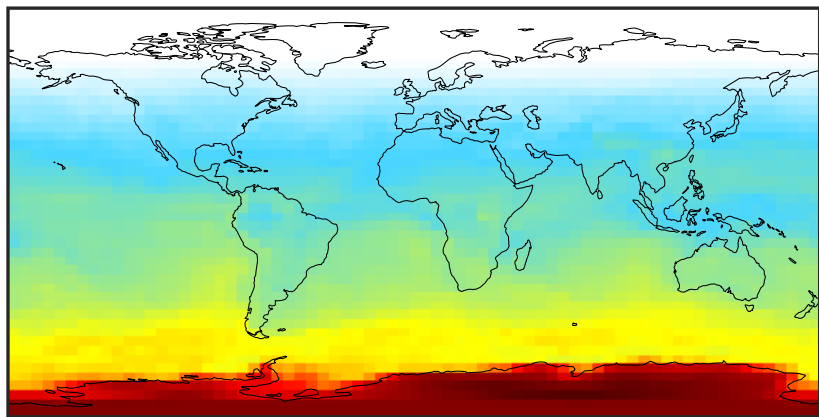


Ratio  
Dev/Ref, Fixed Range



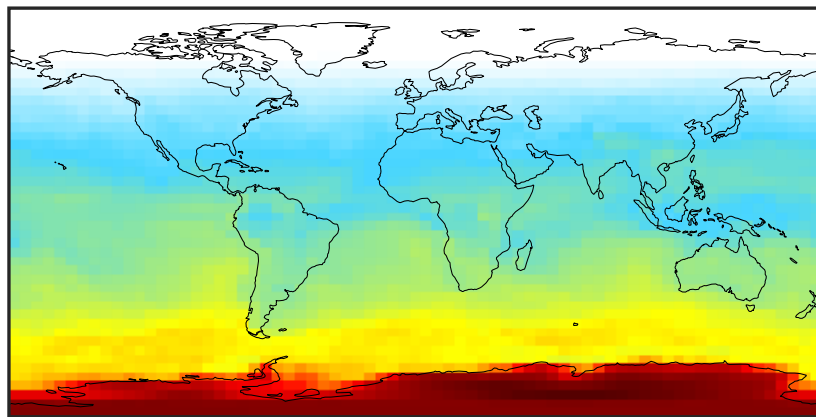
# Jval\_PYAC (Jan2019)

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



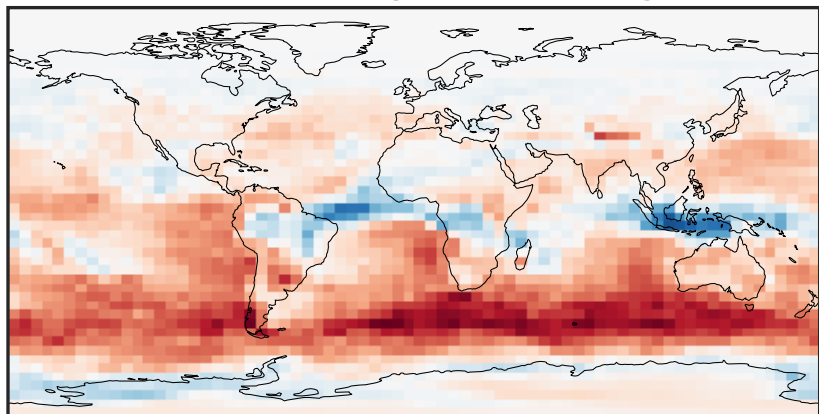
0.00000 0.00015 0.00030 0.00045  
s-1

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



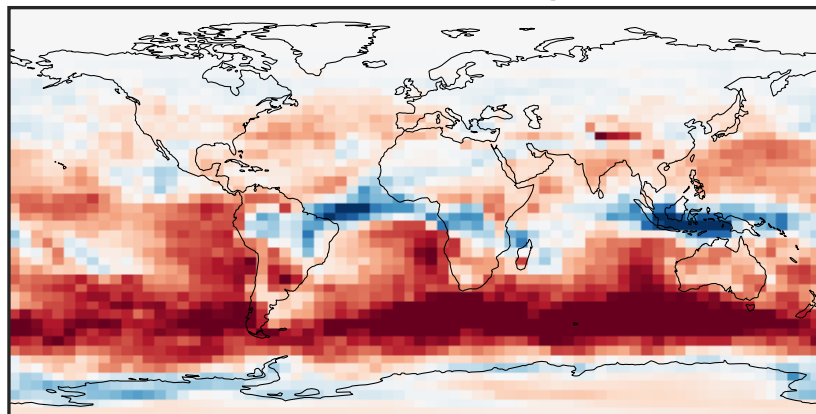
0.00000 0.00015 0.00030 0.00045  
s-1

Difference  
Dev - Ref, Dynamic Range



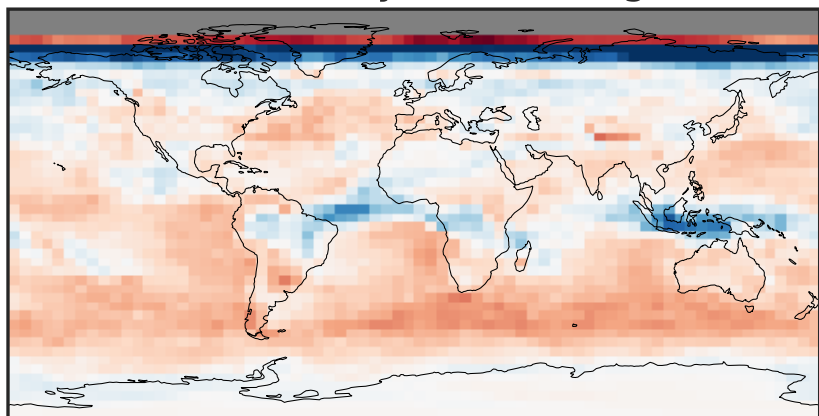
-4 0 4  
s-1 1e-6

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



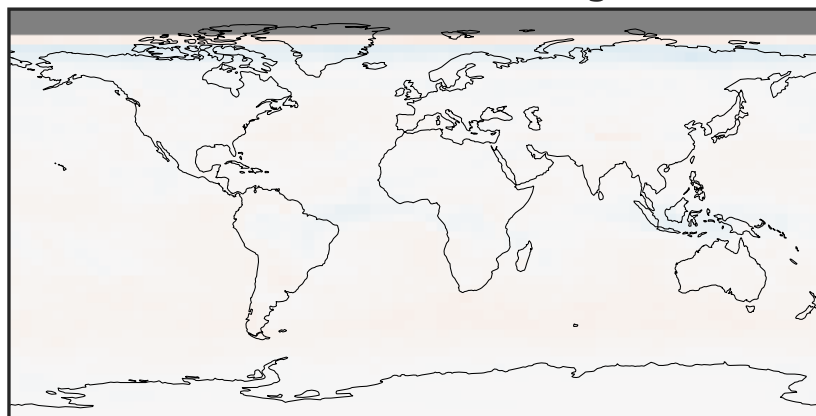
-2.5 0.0 2.5  
s-1 1e-6

Ratio  
Dev/Ref, Dynamic Range



0.9394 0.9697 1.0000 1.0323 1.0645  
unitless

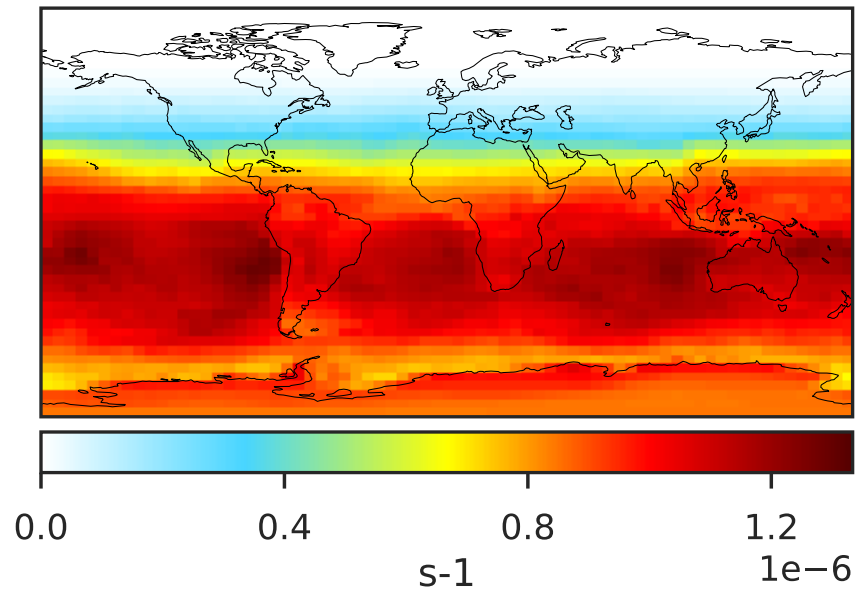
Ratio  
Dev/Ref, Fixed Range



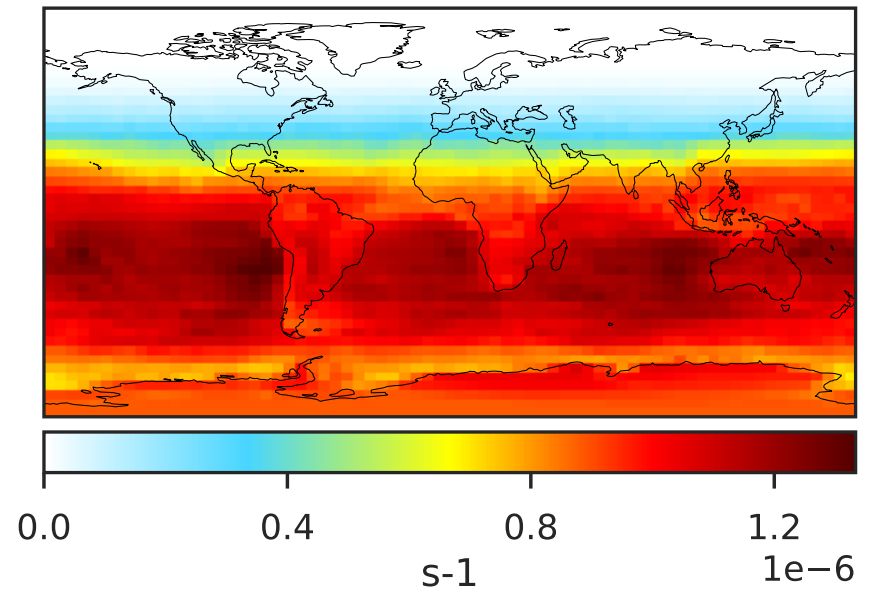
0.50 0.75 1.00 1.50 2.00  
unitless

# Jval\_R4N2 (Jan2019)

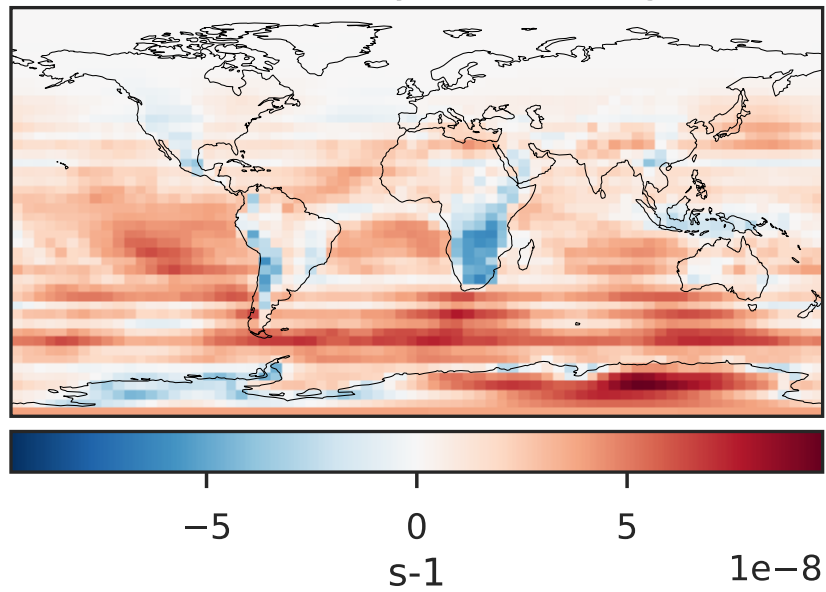
14.2.0-rc.2 (Ref)  
4.0x5.0



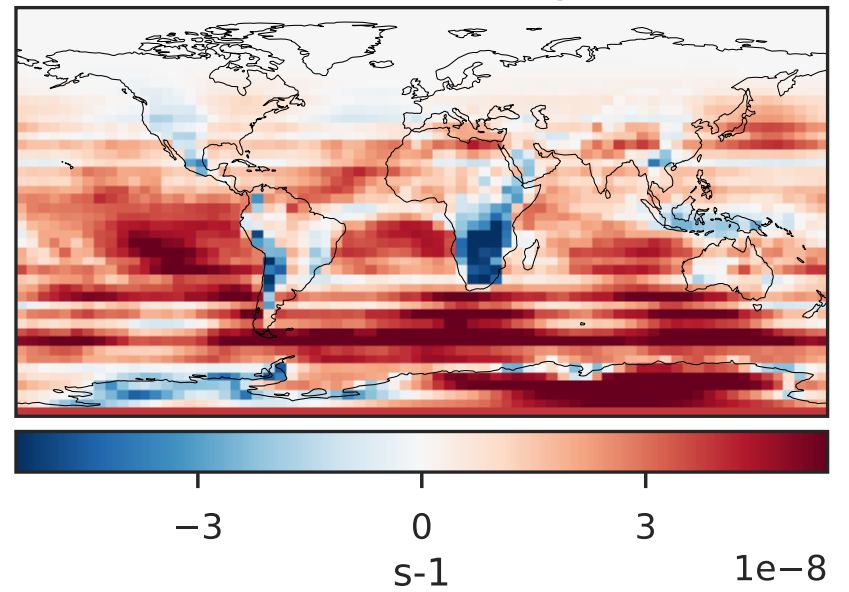
14.3.0-rc.0 (Dev)  
4.0x5.0



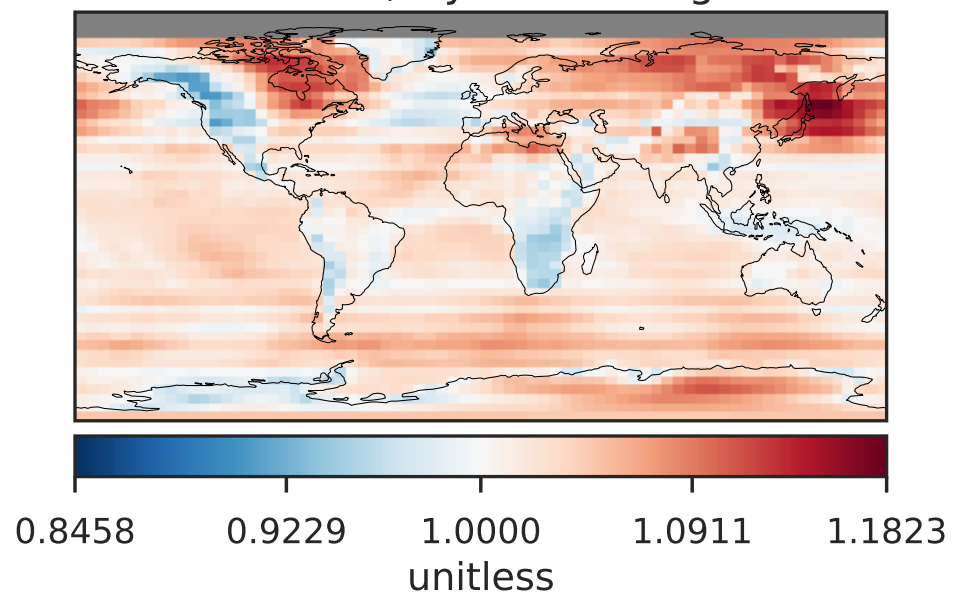
Difference  
Dev - Ref, Dynamic Range



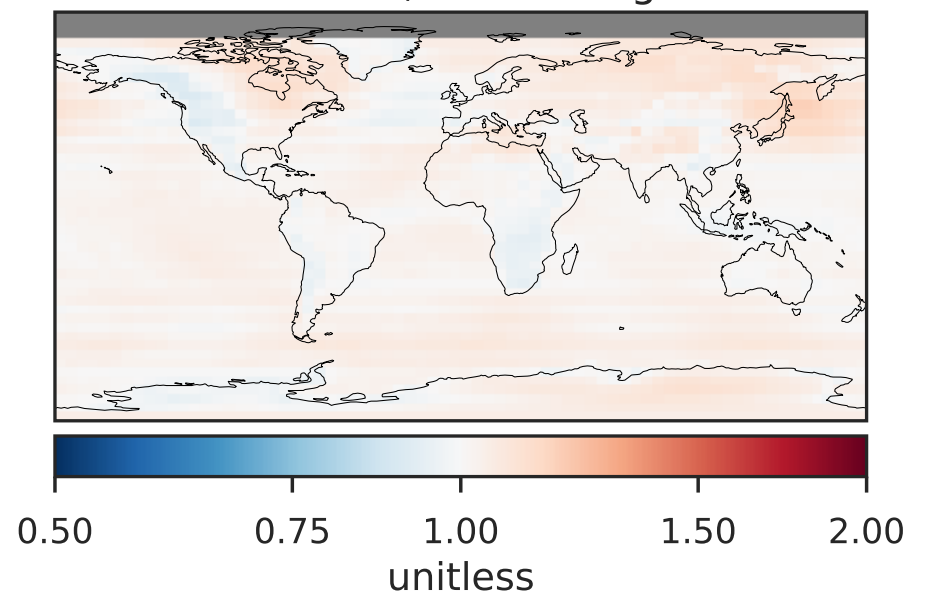
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

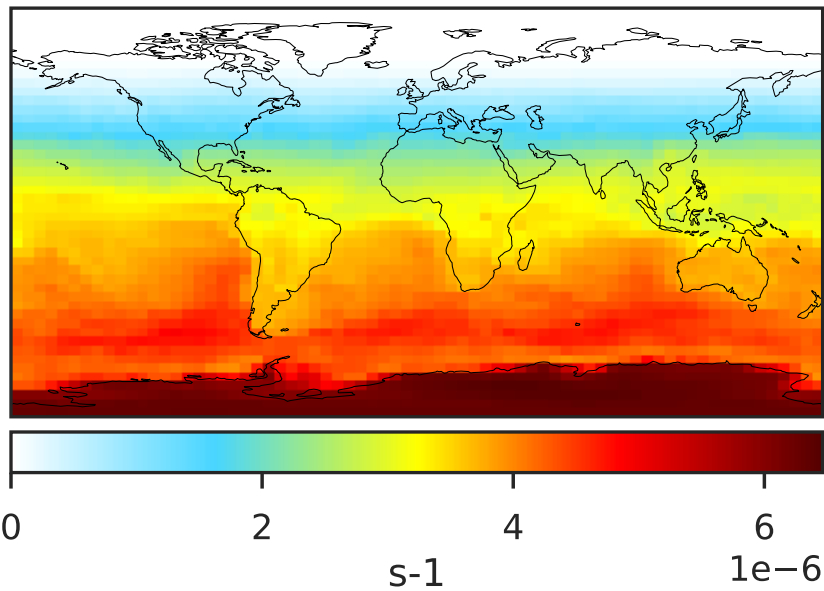


Ratio  
Dev/Ref, Fixed Range

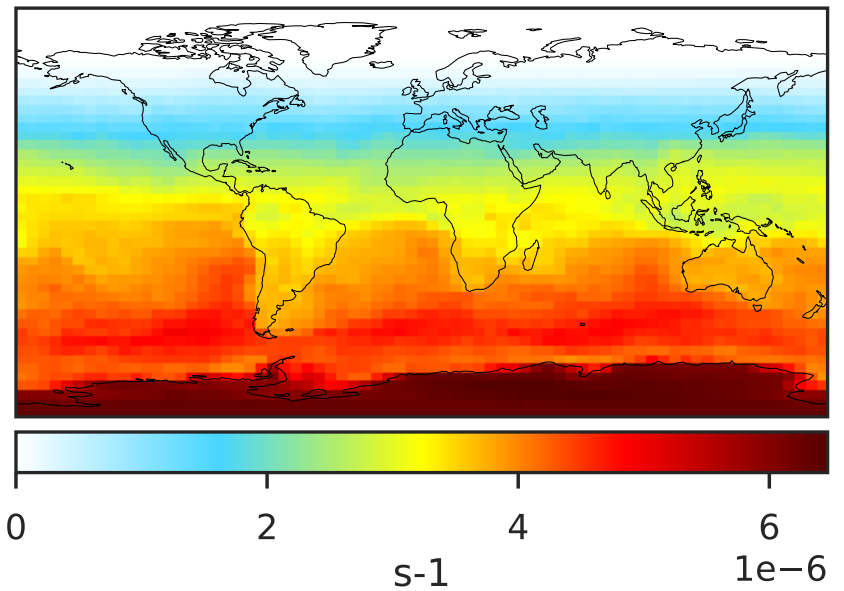


# Jval\_R4P (Jan2019)

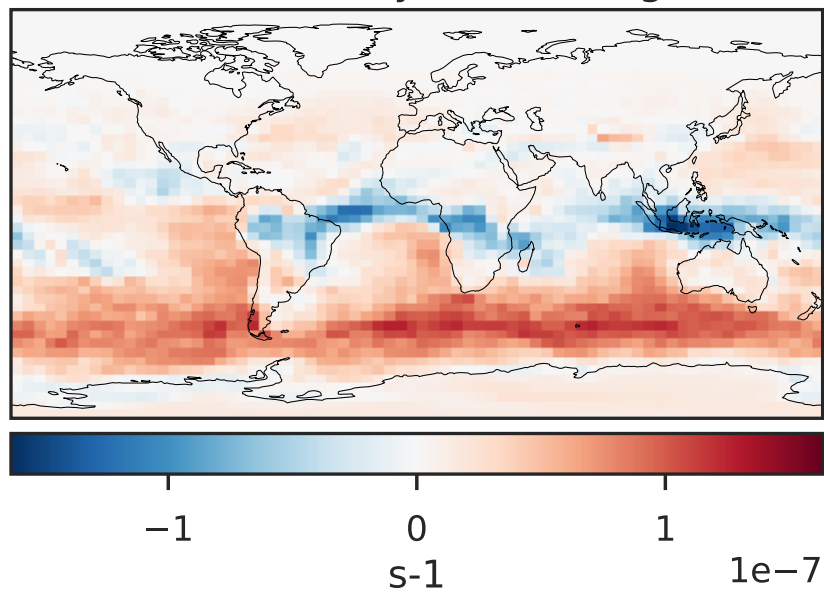
14.2.0-rc.2 (Ref)  
4.0x5.0



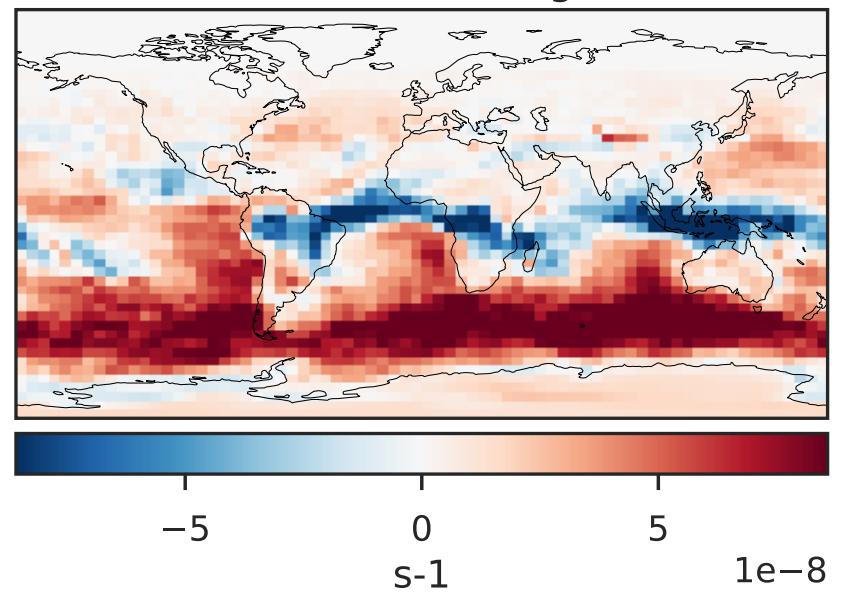
14.3.0-rc.0 (Dev)  
4.0x5.0



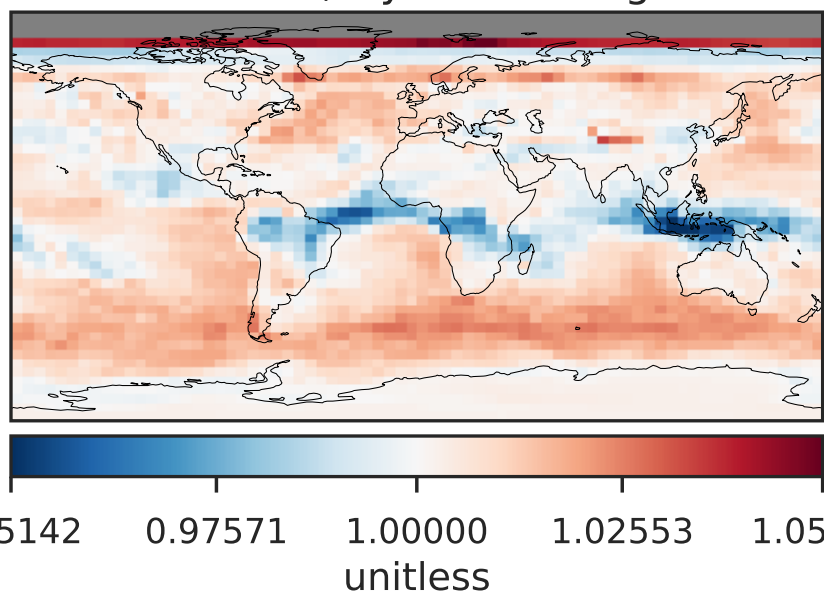
Difference  
Dev - Ref, Dynamic Range



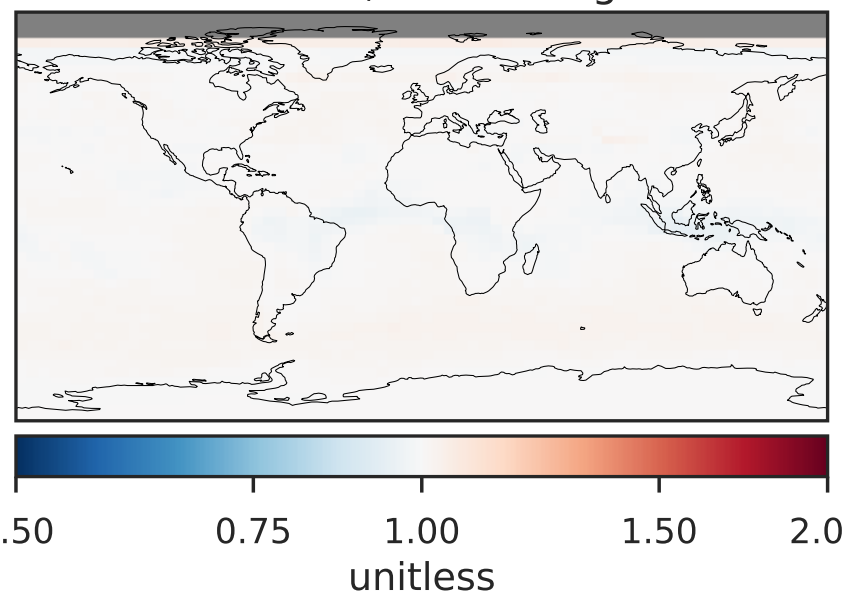
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



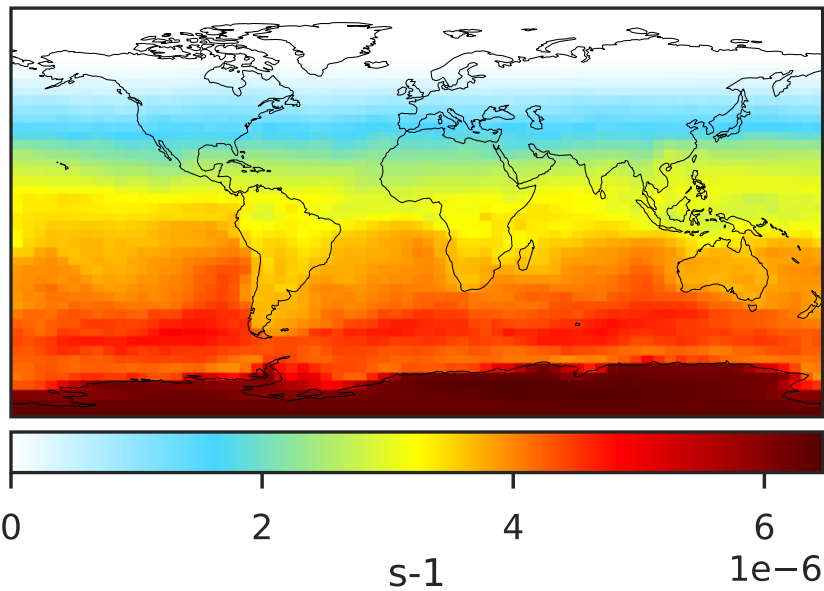
Ratio  
Dev/Ref, Fixed Range



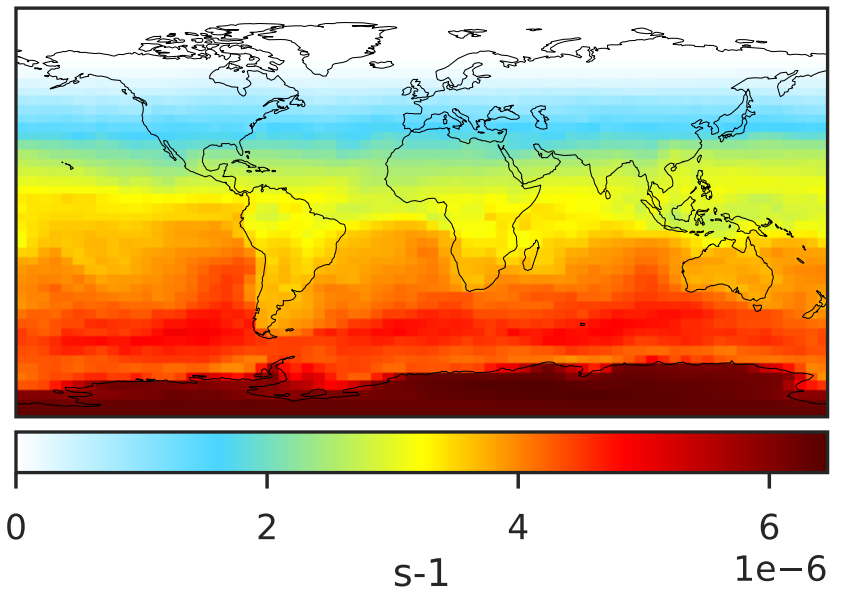


# Jval\_RA3P (Jan2019)

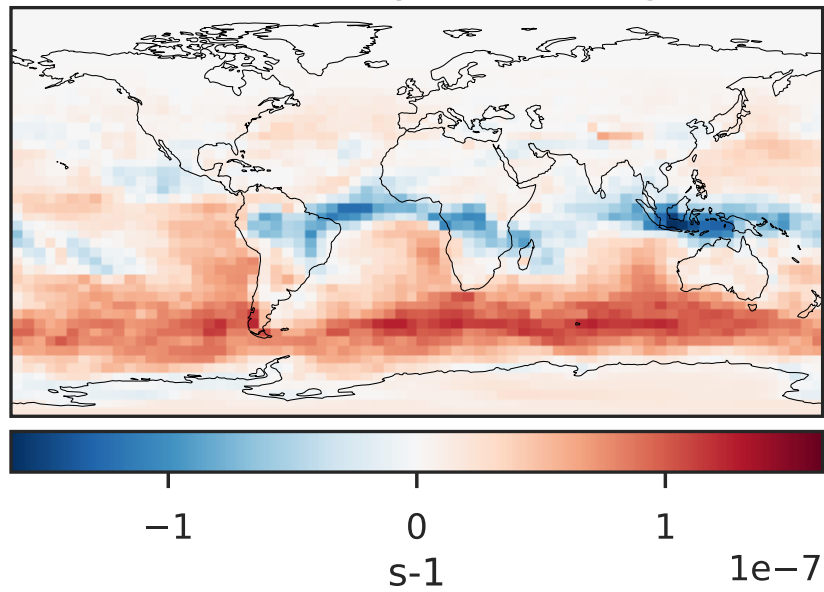
14.2.0-rc.2 (Ref)  
4.0x5.0



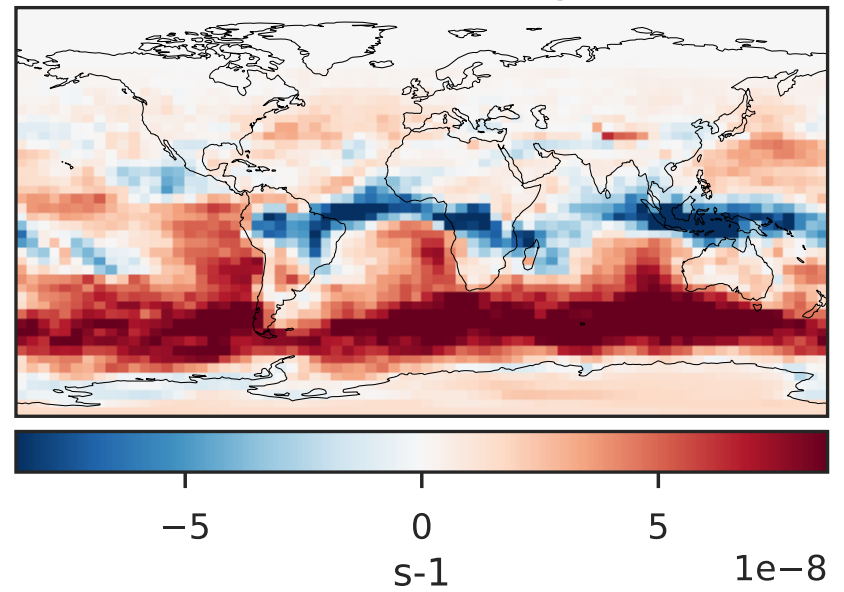
14.3.0-rc.0 (Dev)  
4.0x5.0



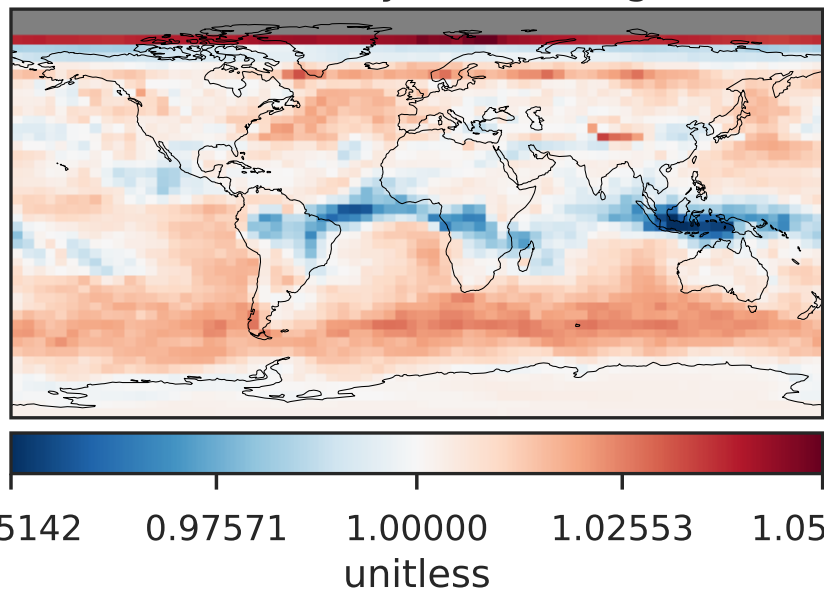
Difference  
Dev - Ref, Dynamic Range



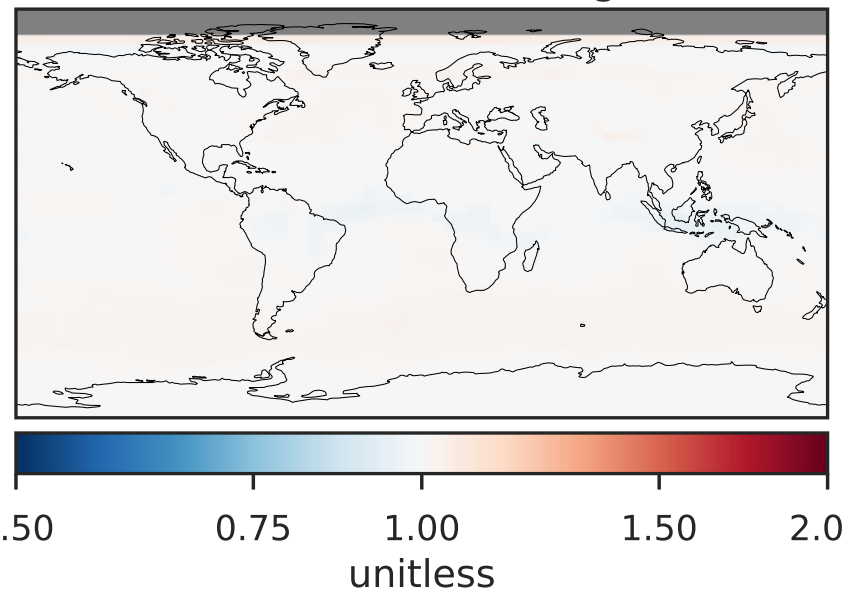
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

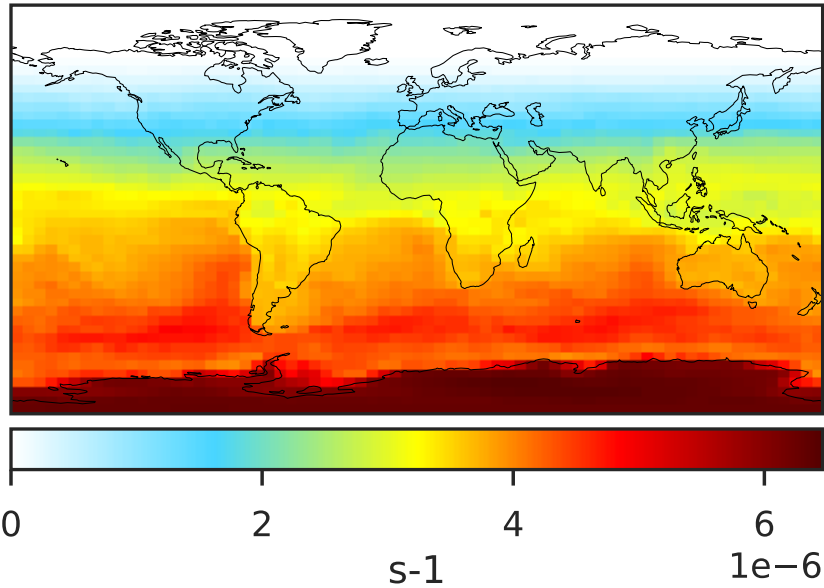


Ratio  
Dev/Ref, Fixed Range

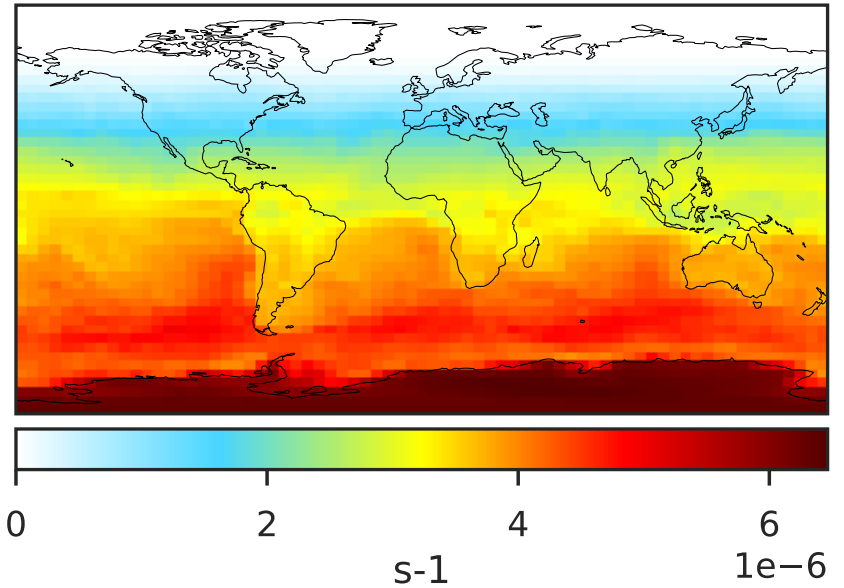


# Jval\_RB3P (Jan2019)

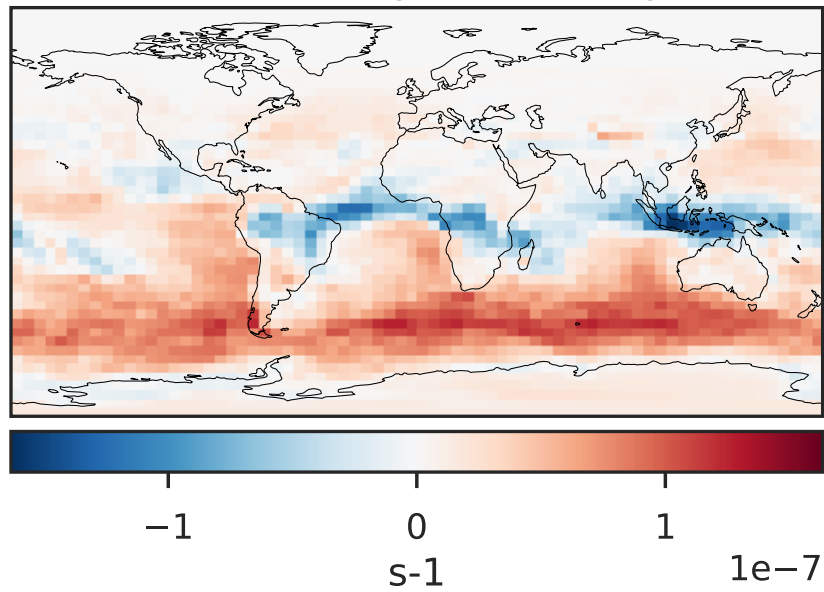
14.2.0-rc.2 (Ref)  
4.0x5.0



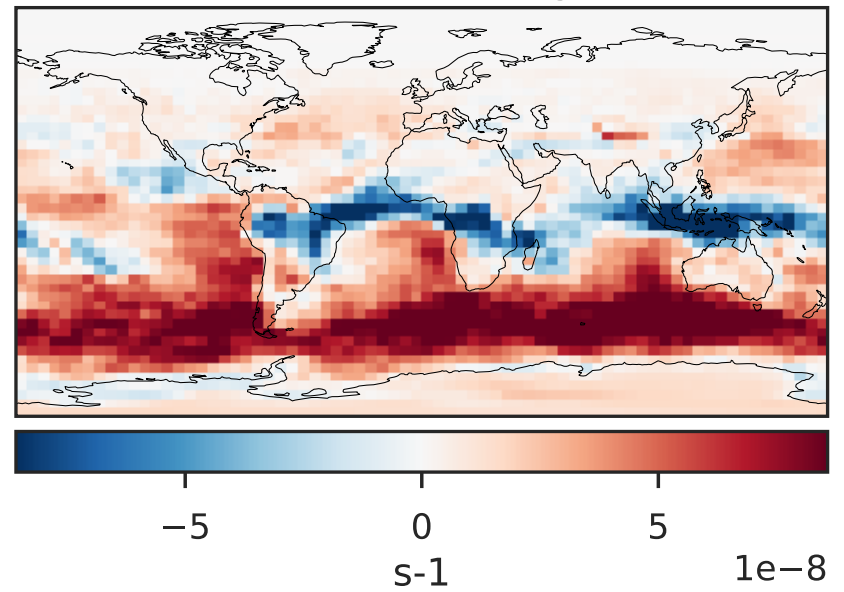
14.3.0-rc.0 (Dev)  
4.0x5.0



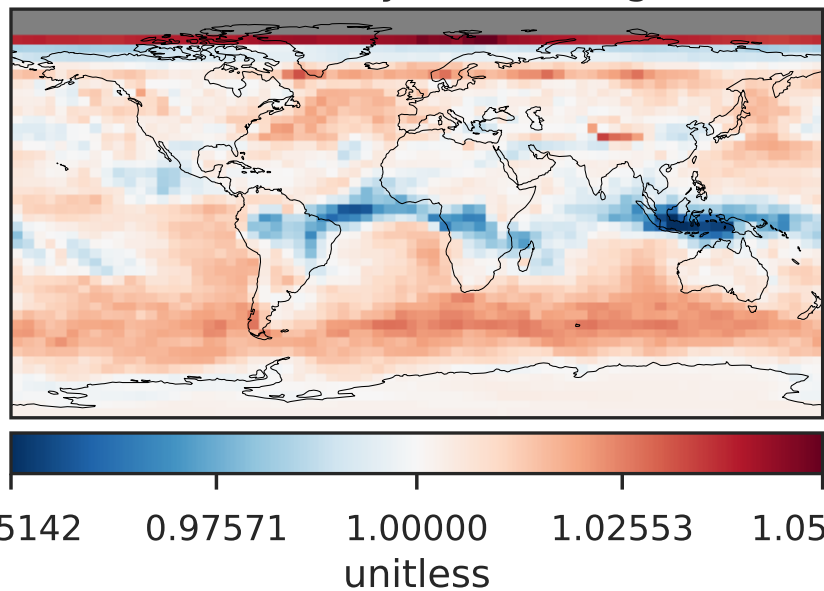
Difference  
Dev - Ref, Dynamic Range



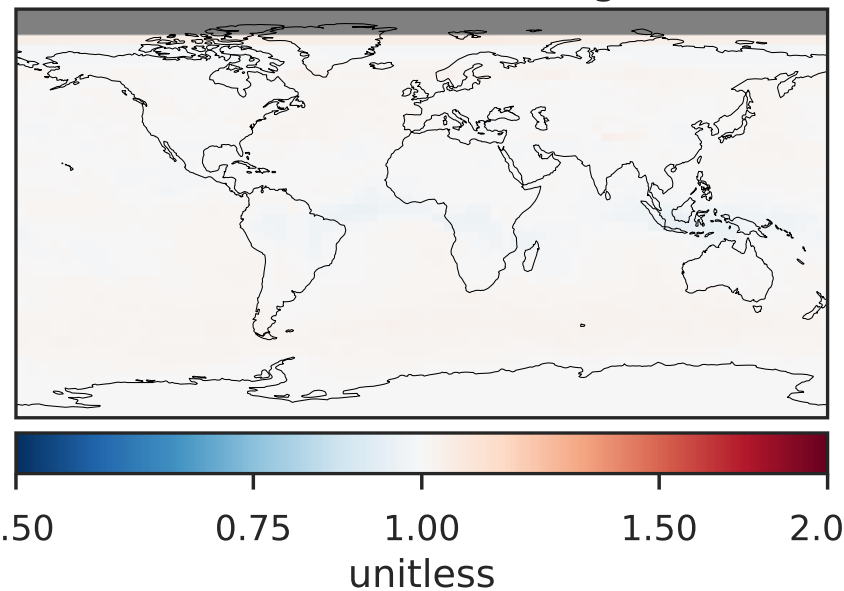
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

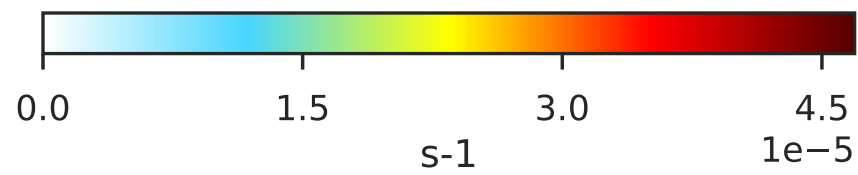
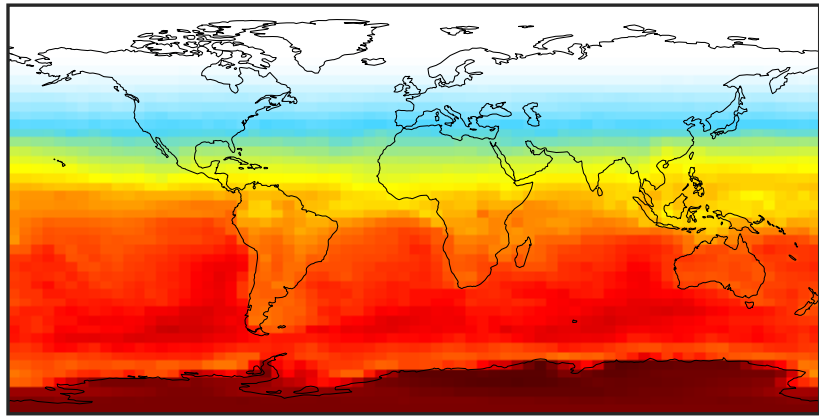


Ratio  
Dev/Ref, Fixed Range

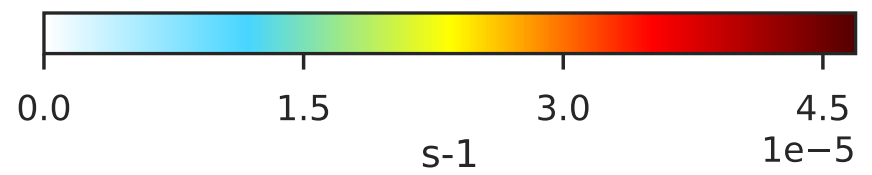
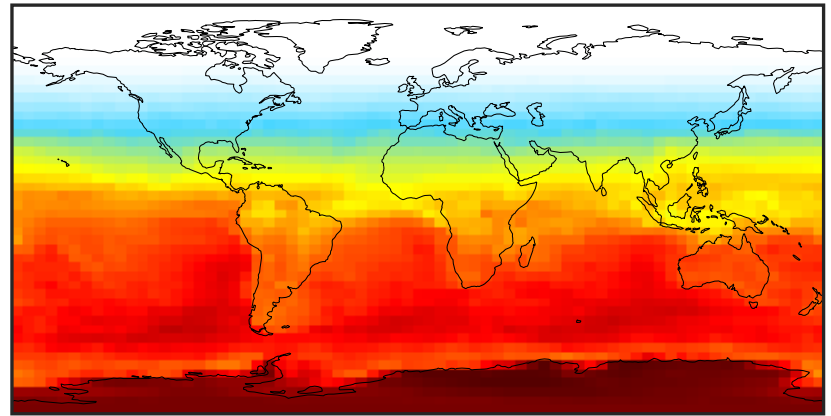


# Jval\_RCHO (Jan2019)

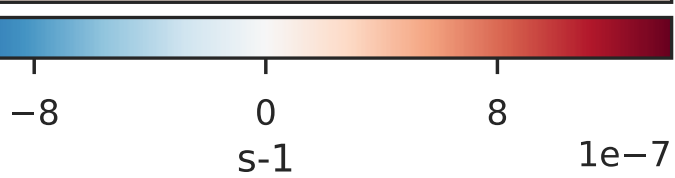
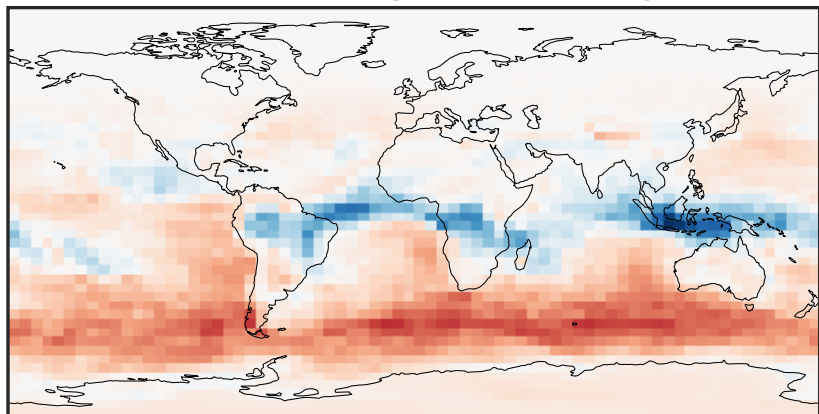
14.2.0-rc.2 (Ref)  
4.0x5.0



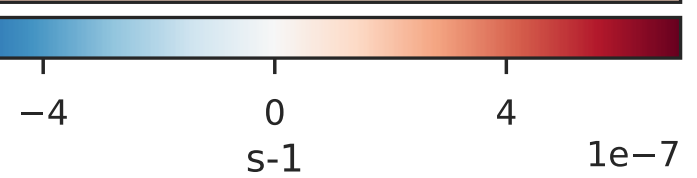
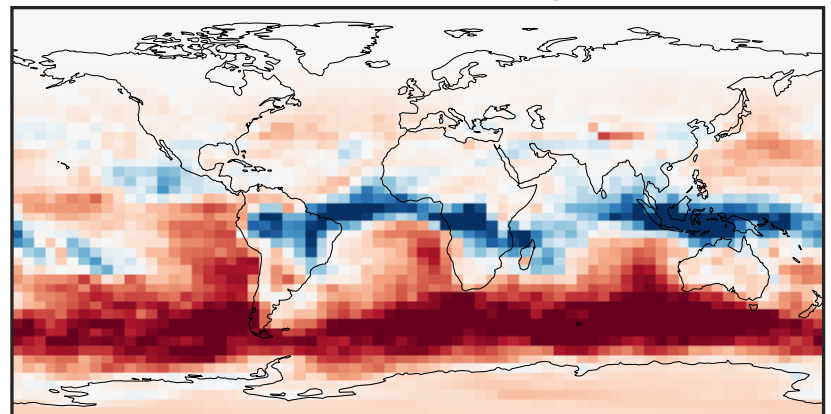
14.3.0-rc.0 (Dev)  
4.0x5.0



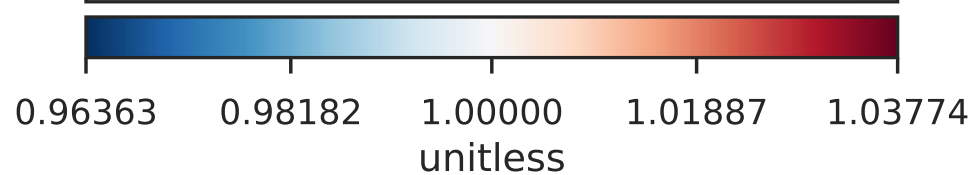
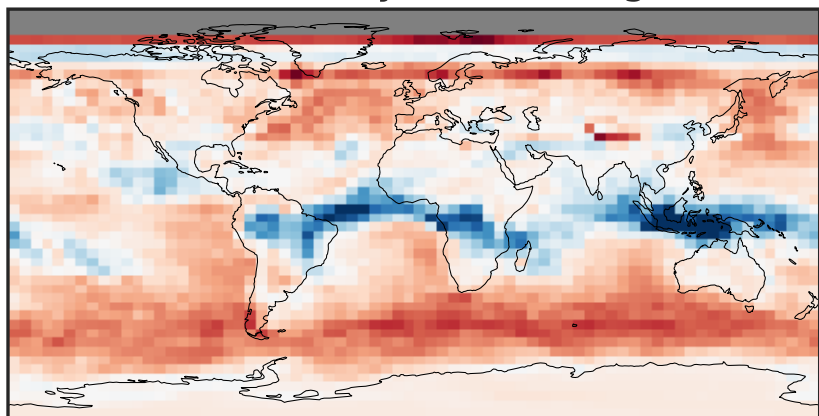
Difference  
Dev - Ref, Dynamic Range



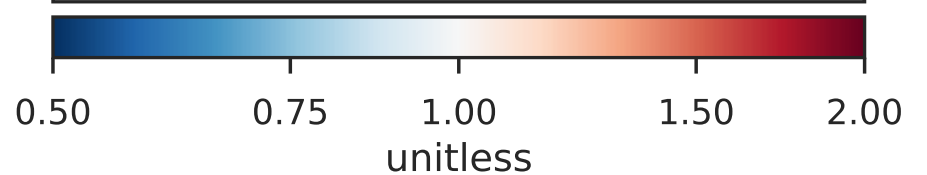
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

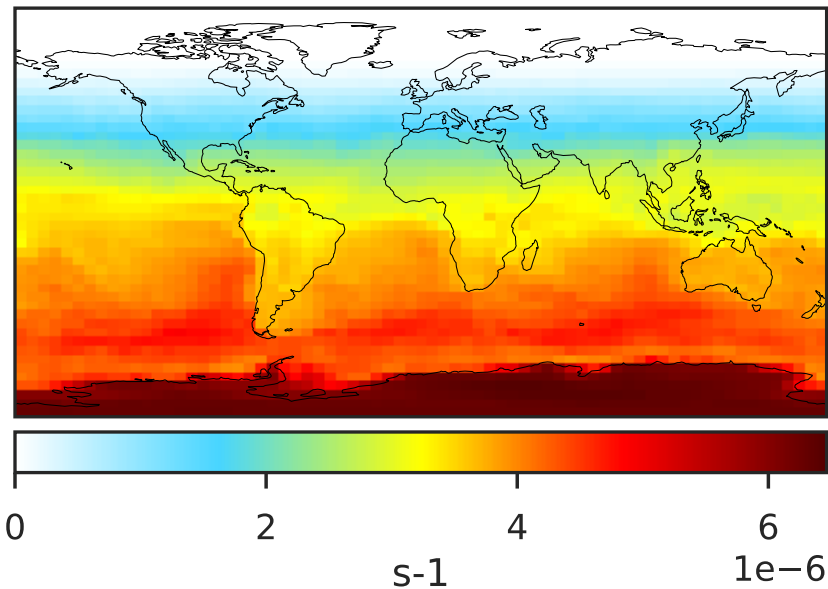


Ratio  
Dev/Ref, Fixed Range

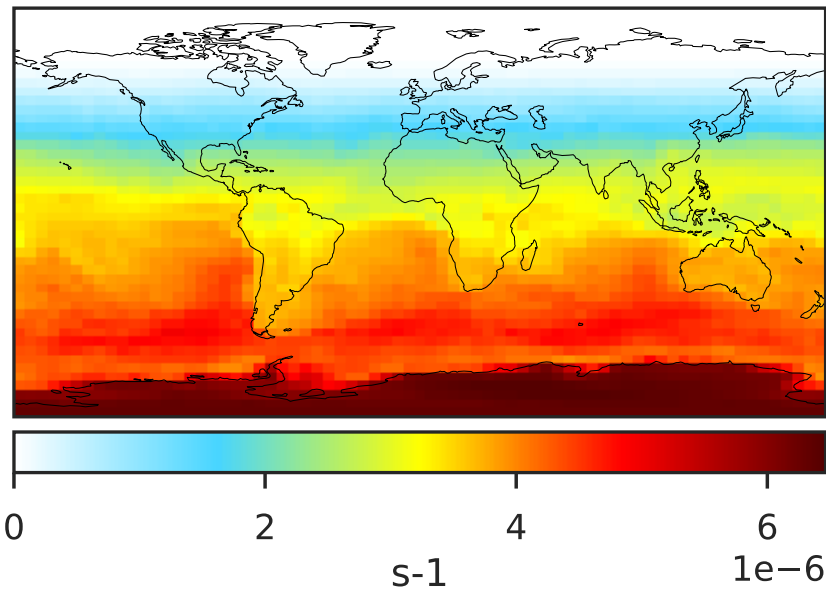


# Jval\_RIPA (Jan2019)

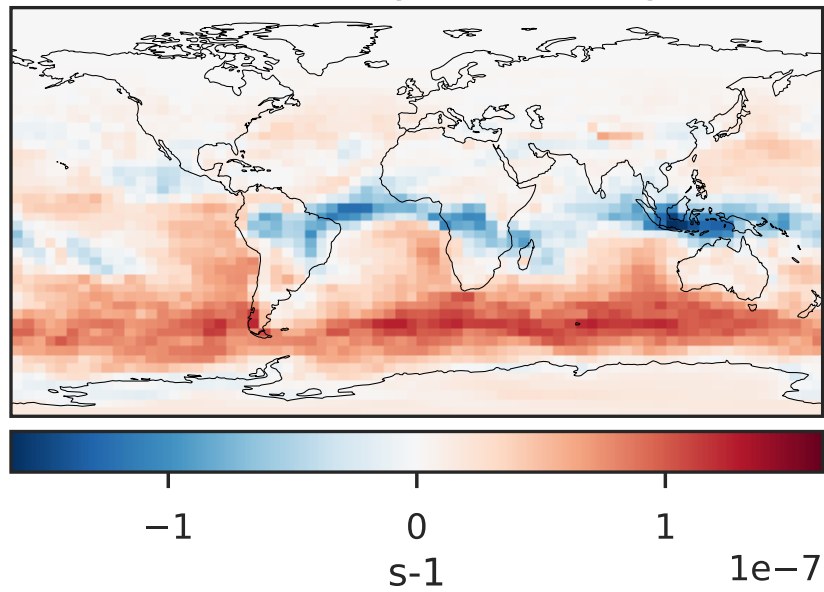
14.2.0-rc.2 (Ref)  
4.0x5.0



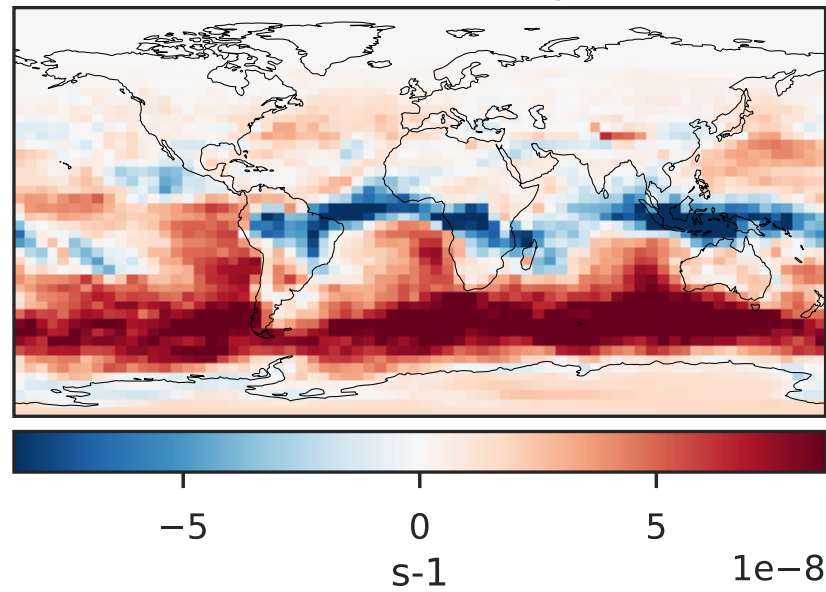
14.3.0-rc.0 (Dev)  
4.0x5.0



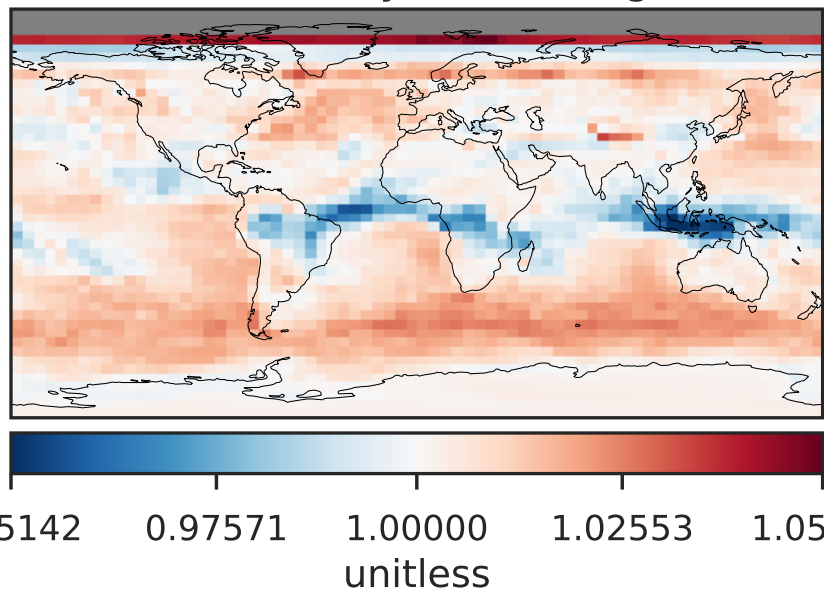
Difference  
Dev - Ref, Dynamic Range



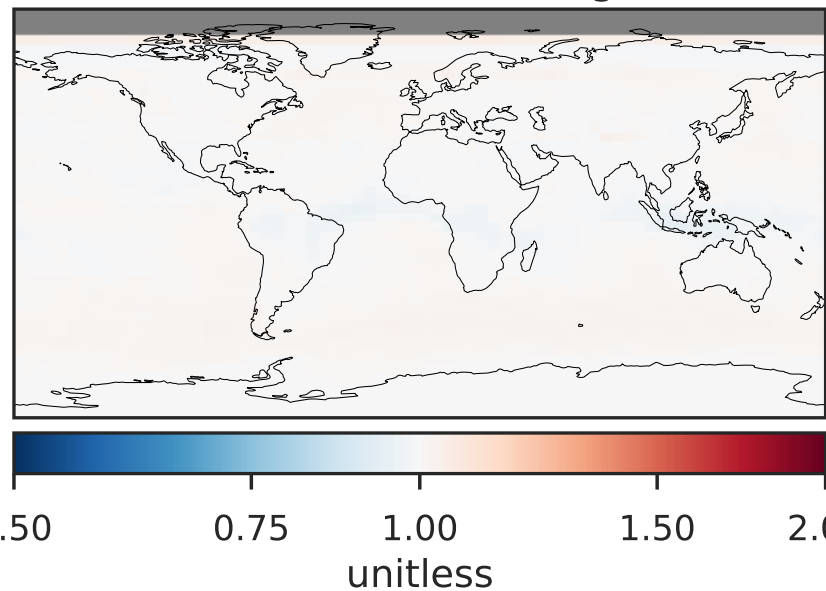
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



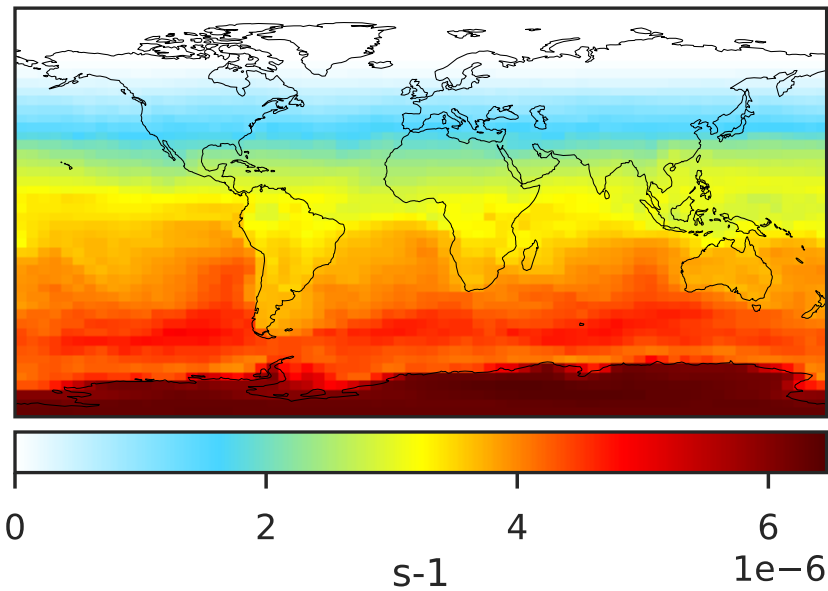
Ratio  
Dev/Ref, Fixed Range



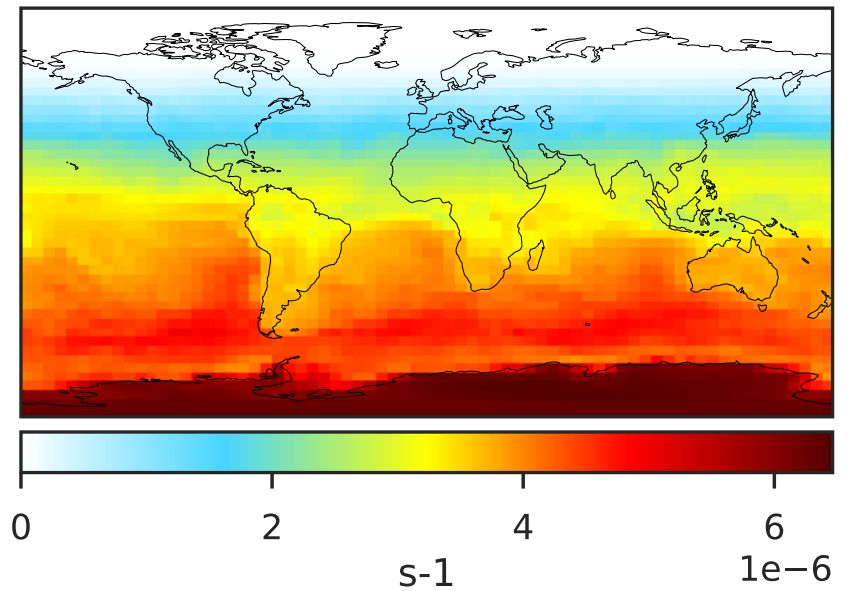


# Jval\_RIPB (Jan2019)

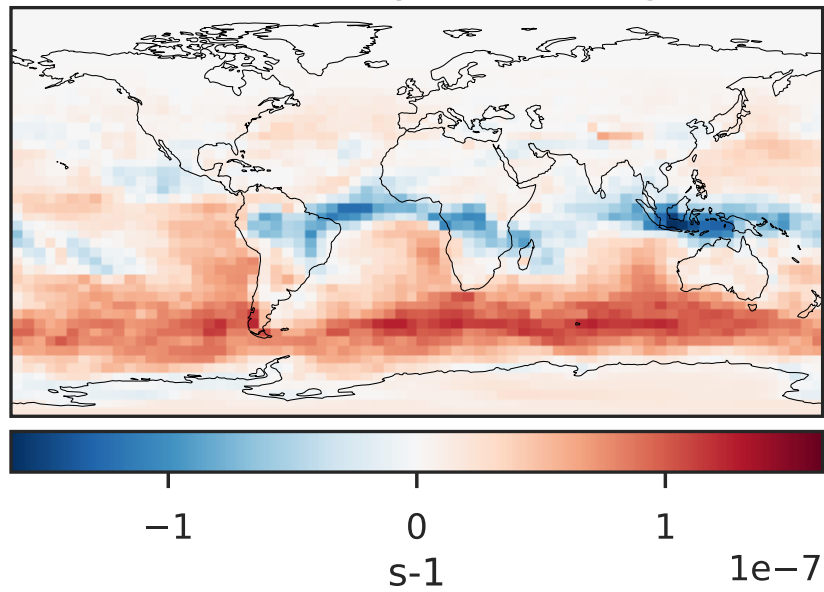
14.2.0-rc.2 (Ref)  
4.0x5.0



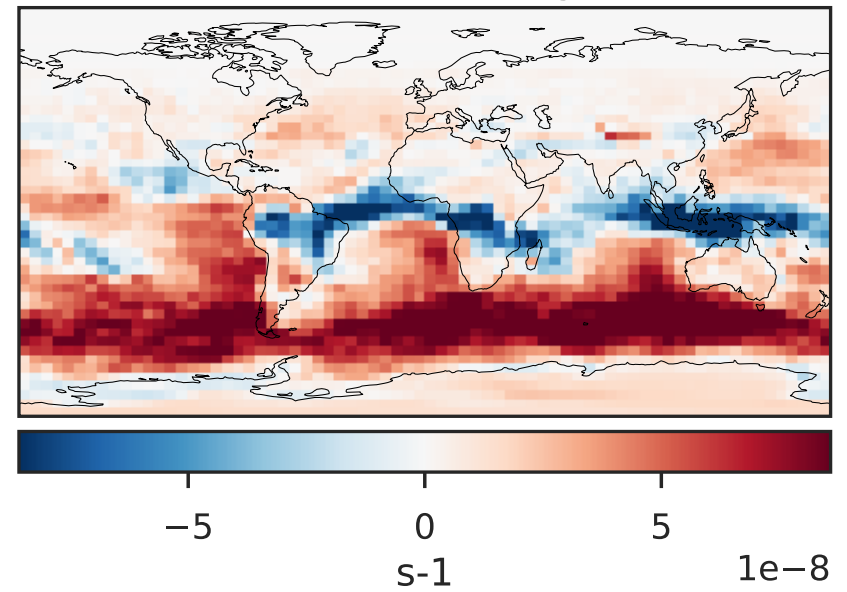
14.3.0-rc.0 (Dev)  
4.0x5.0



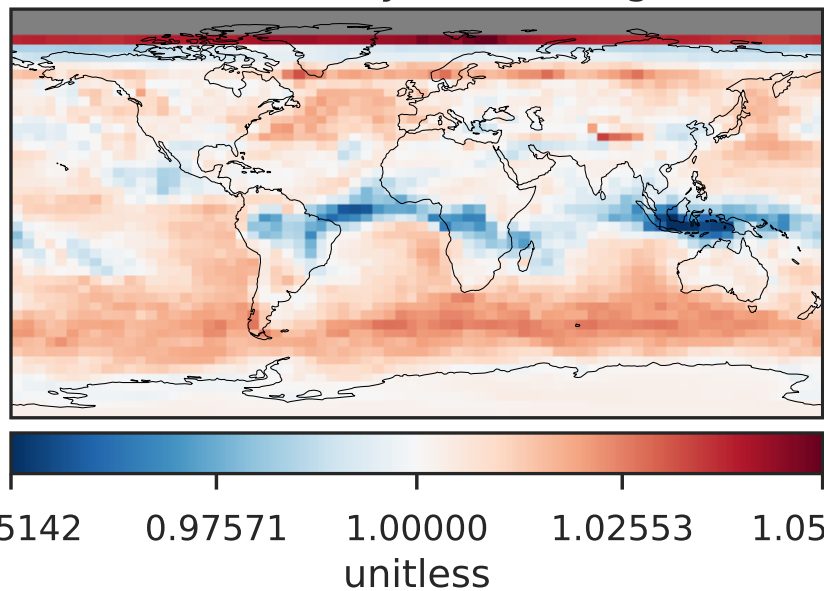
Difference  
Dev - Ref, Dynamic Range



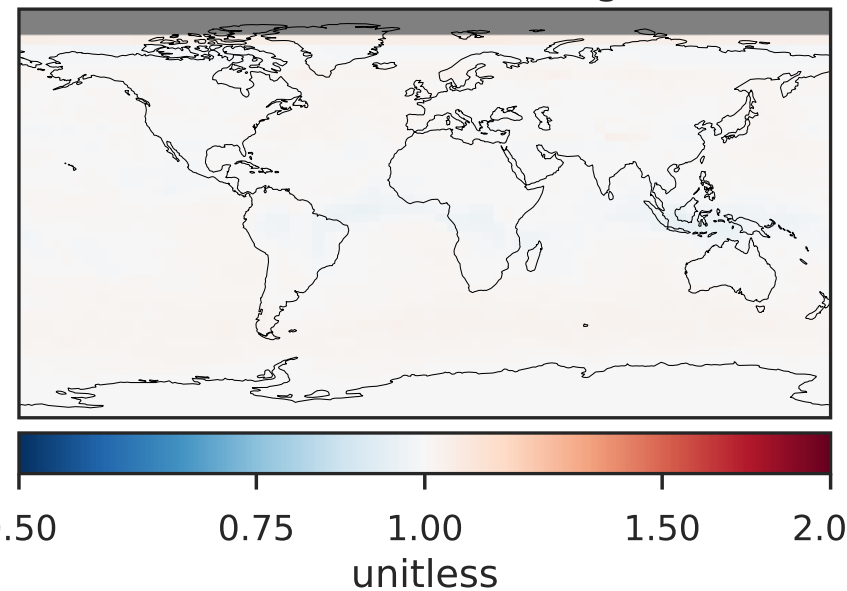
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

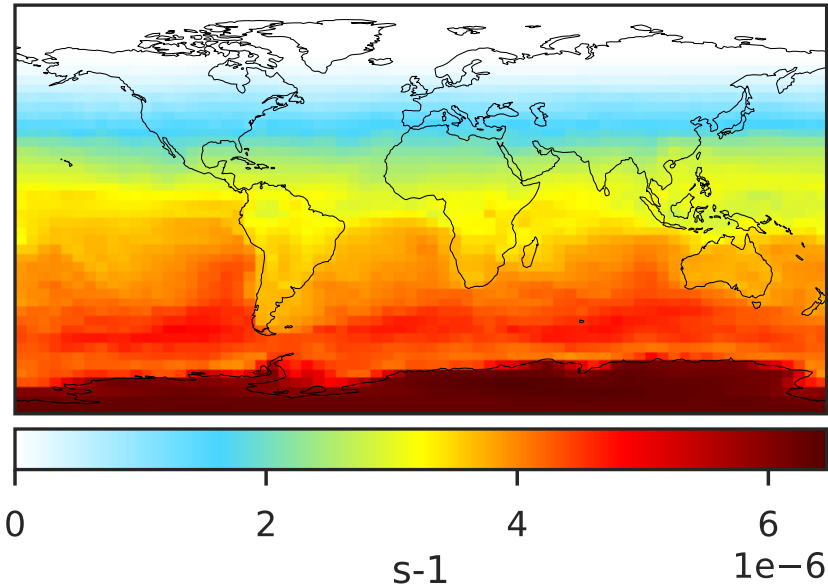


Ratio  
Dev/Ref, Fixed Range

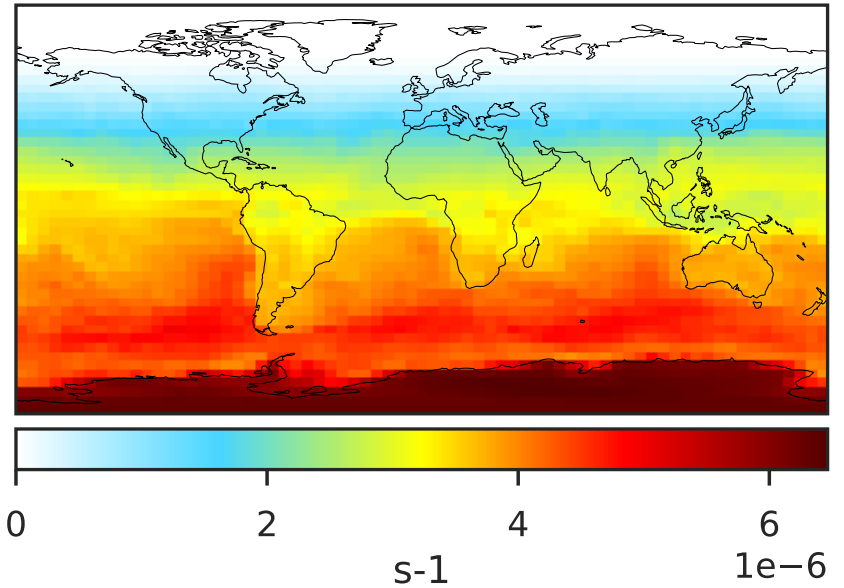


# Jval\_RIPC (Jan2019)

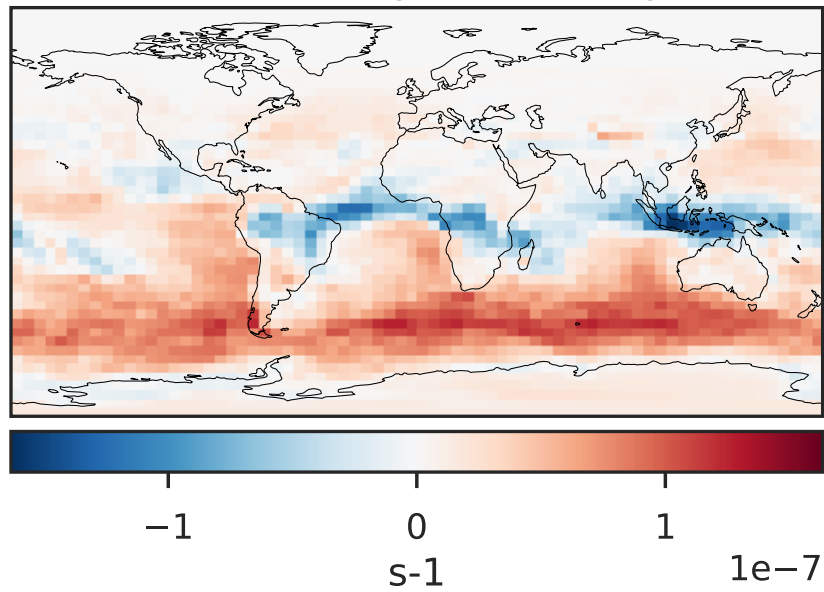
14.2.0-rc.2 (Ref)  
4.0x5.0



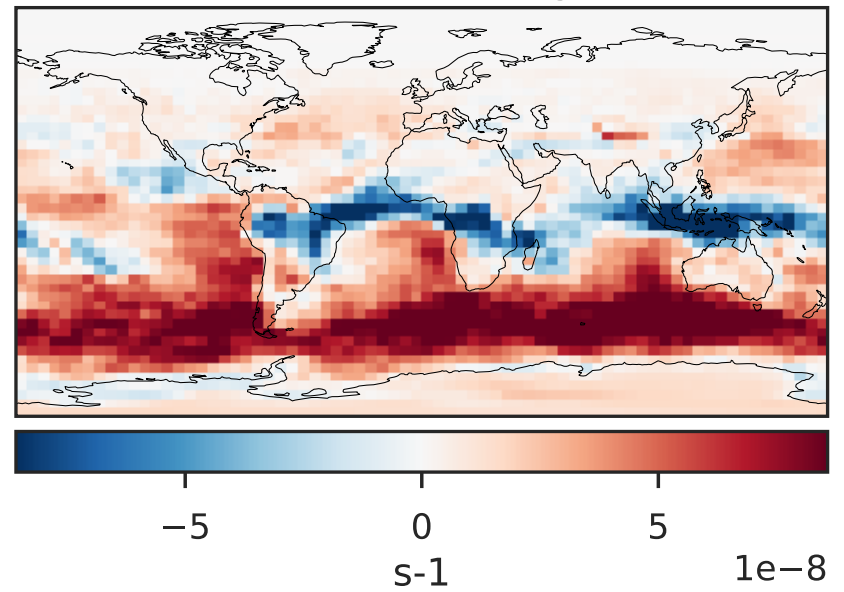
14.3.0-rc.0 (Dev)  
4.0x5.0



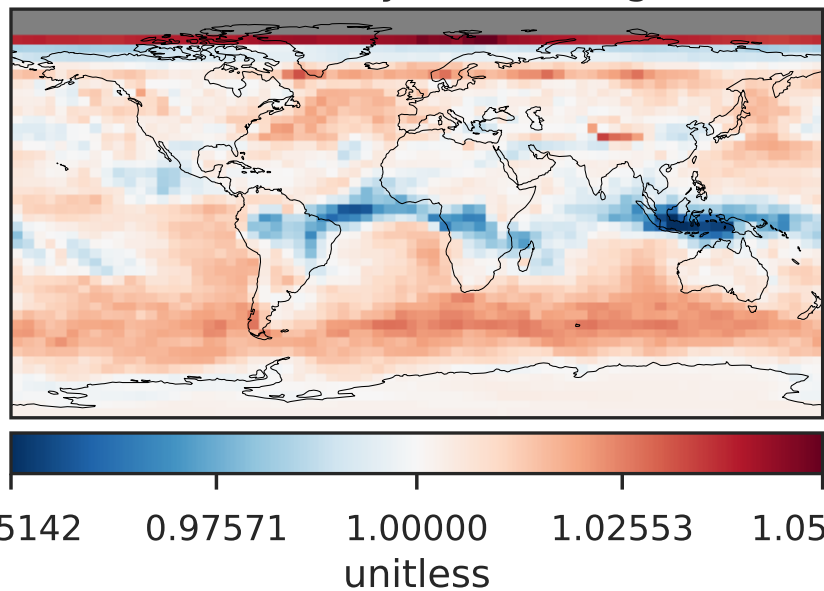
Difference  
Dev - Ref, Dynamic Range



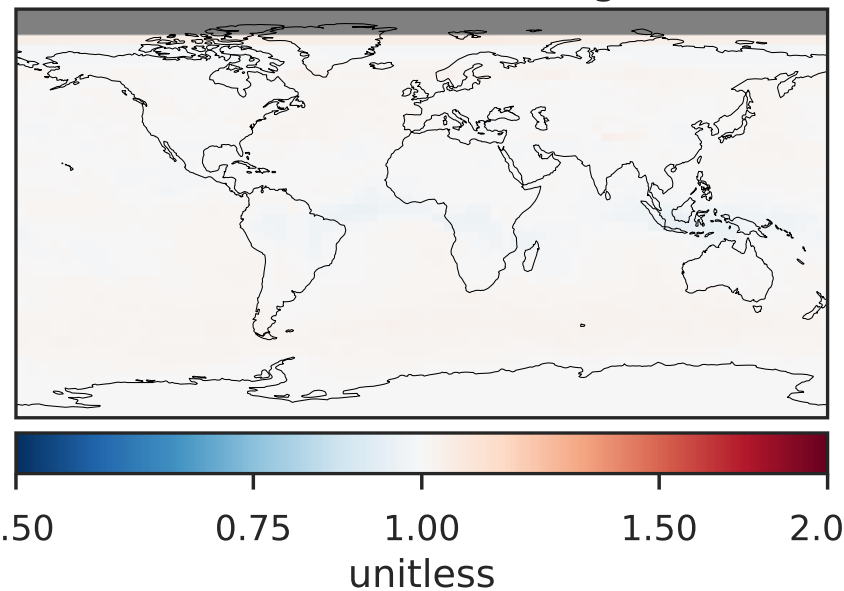
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

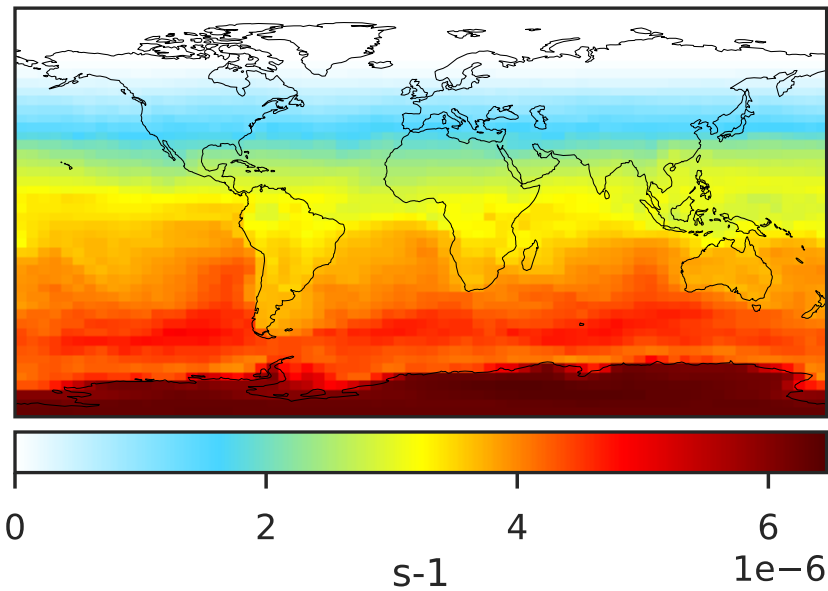


Ratio  
Dev/Ref, Fixed Range

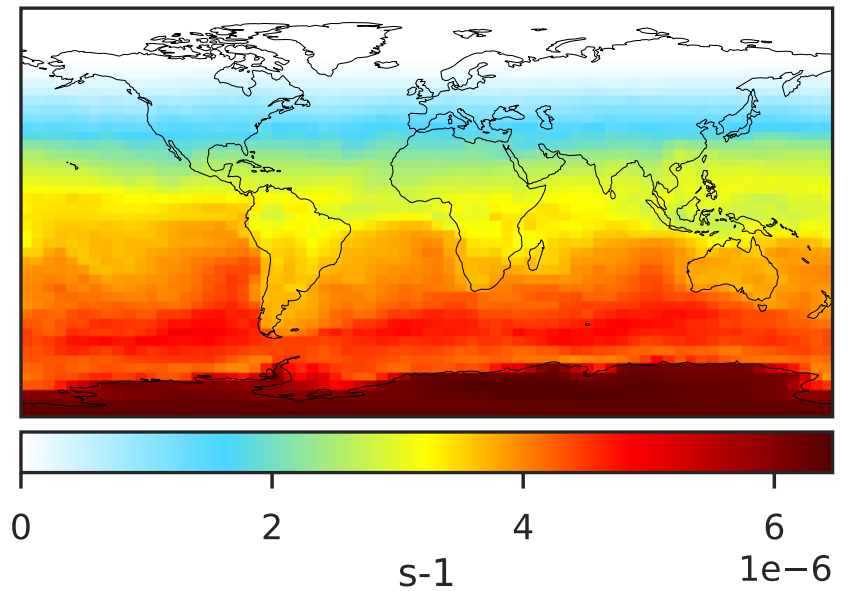


# Jval\_RIPD (Jan2019)

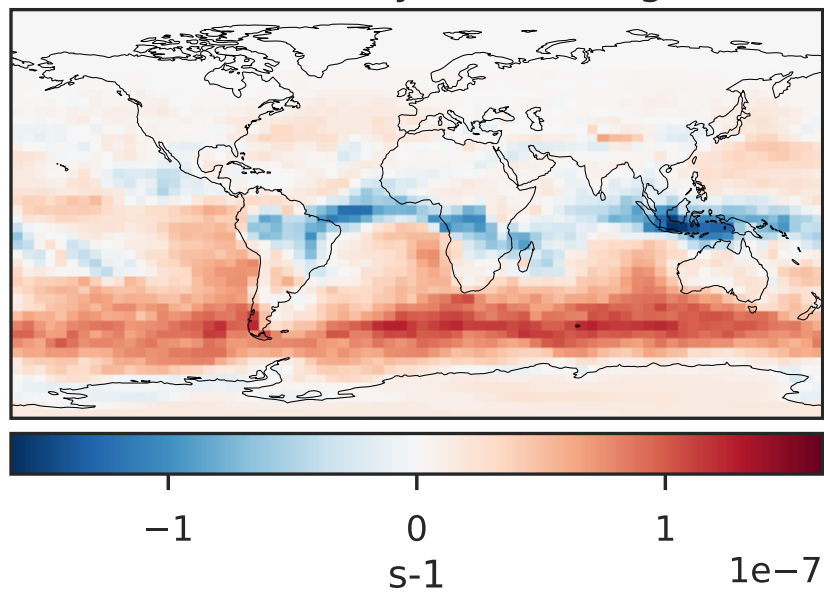
14.2.0-rc.2 (Ref)  
4.0x5.0



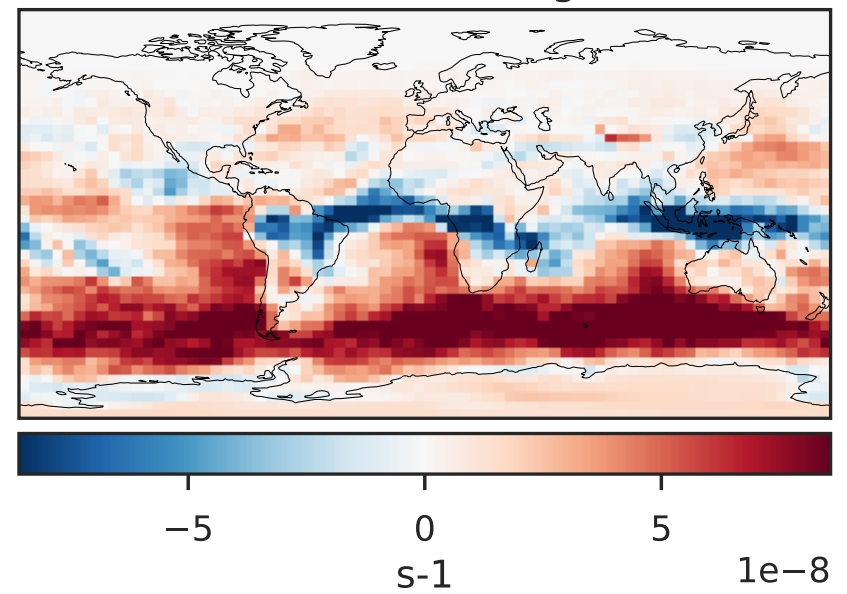
14.3.0-rc.0 (Dev)  
4.0x5.0



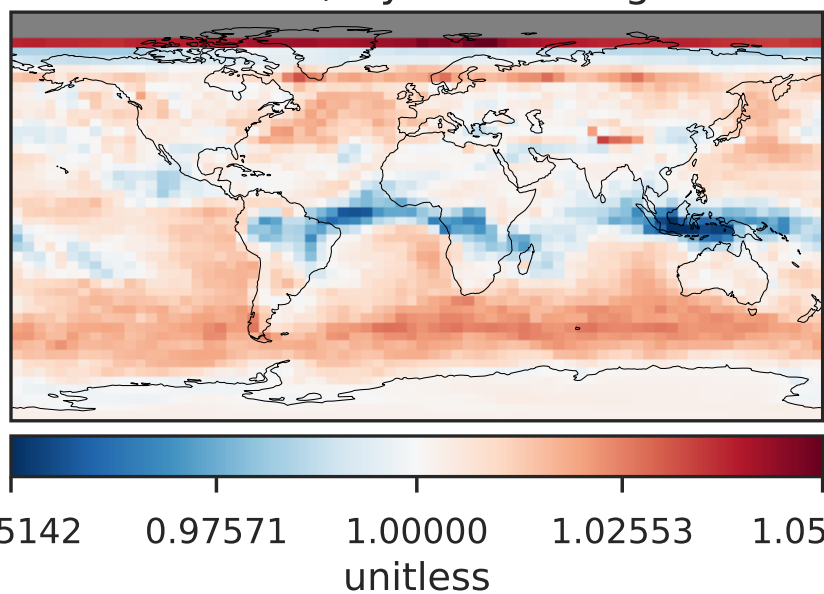
Difference  
Dev - Ref, Dynamic Range



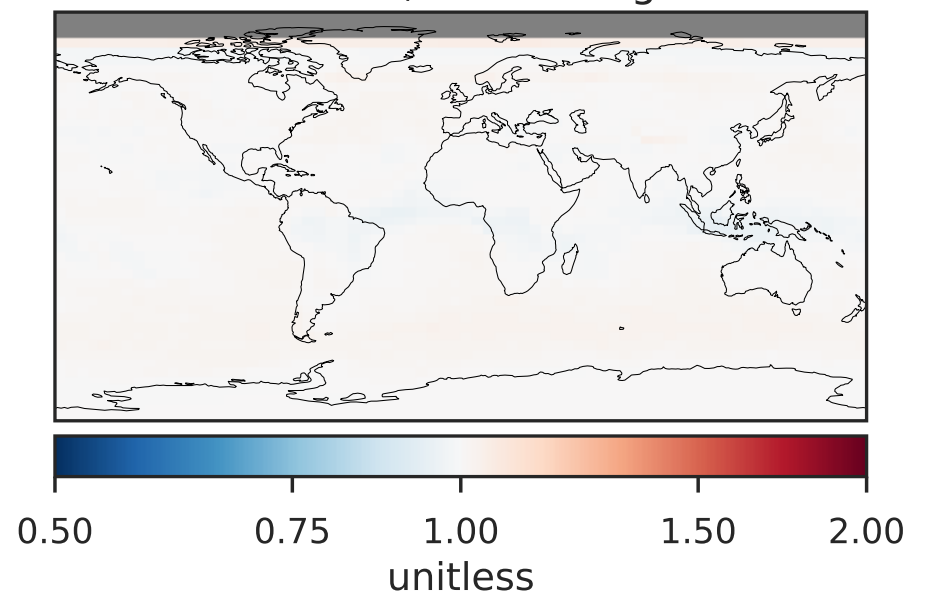
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

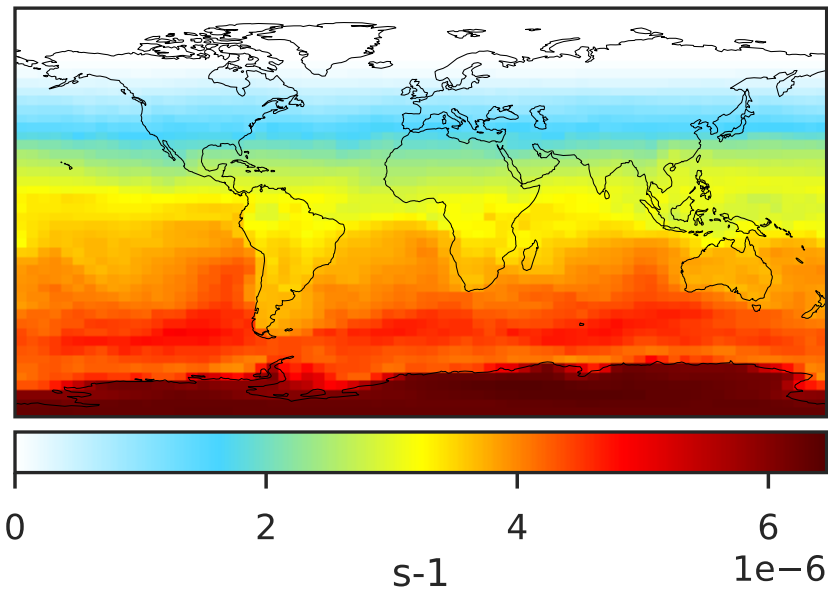


Ratio  
Dev/Ref, Fixed Range

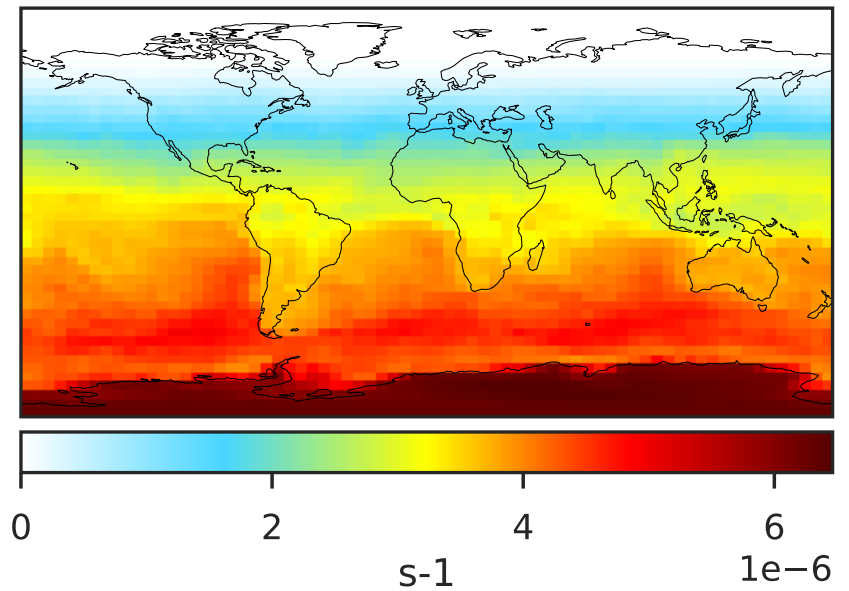


# Jval\_RP (Jan2019)

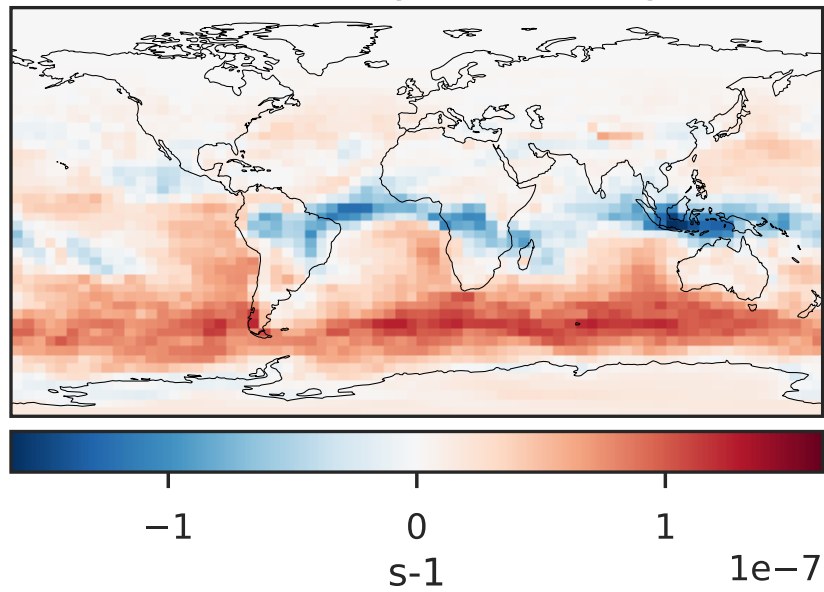
14.2.0-rc.2 (Ref)  
4.0x5.0



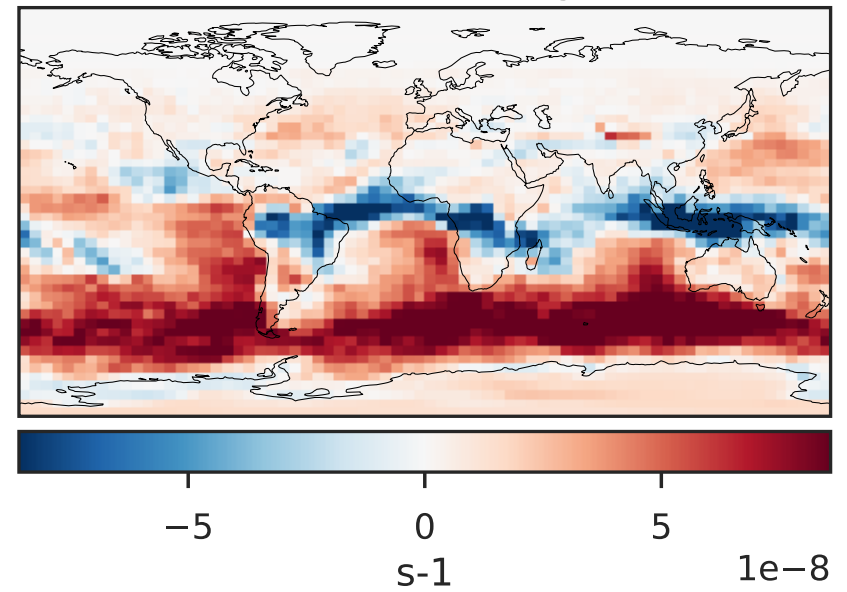
14.3.0-rc.0 (Dev)  
4.0x5.0



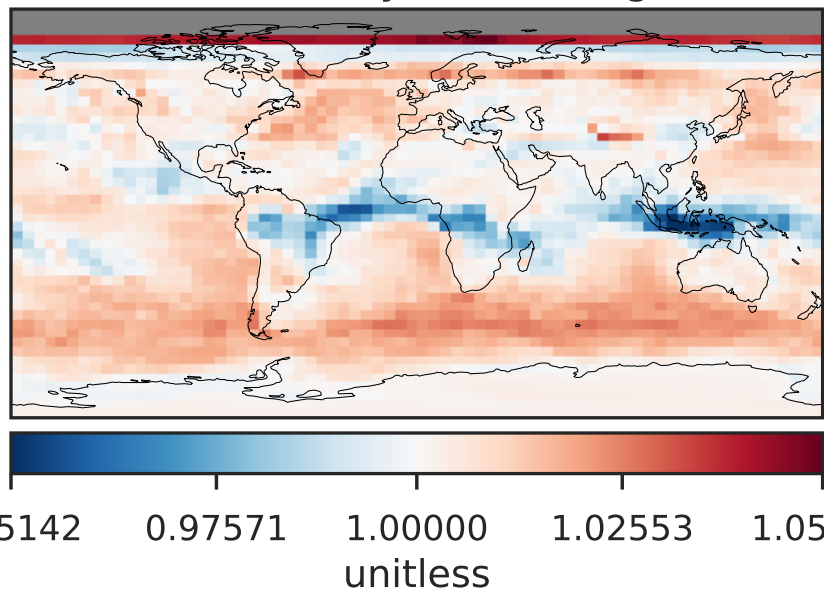
Difference  
Dev - Ref, Dynamic Range



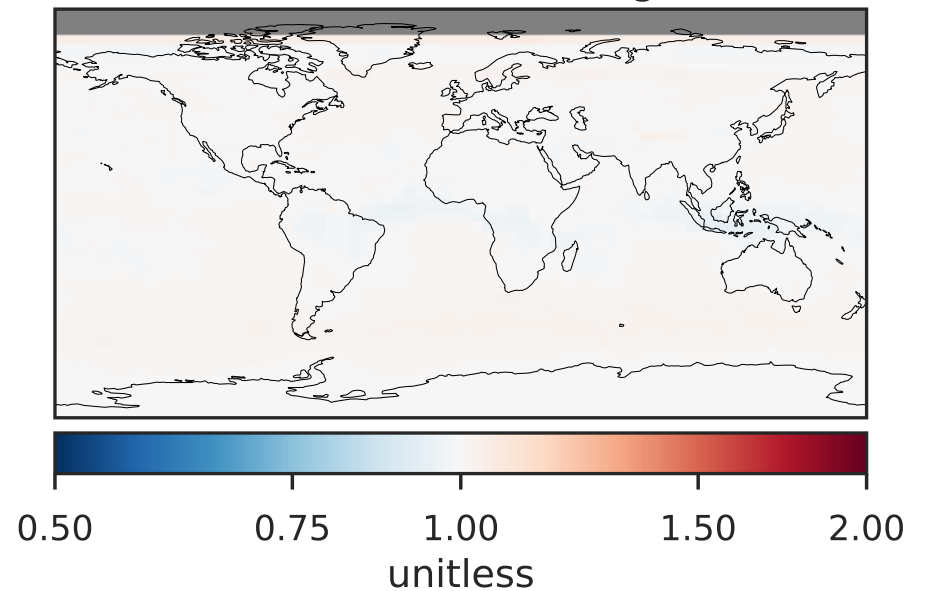
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



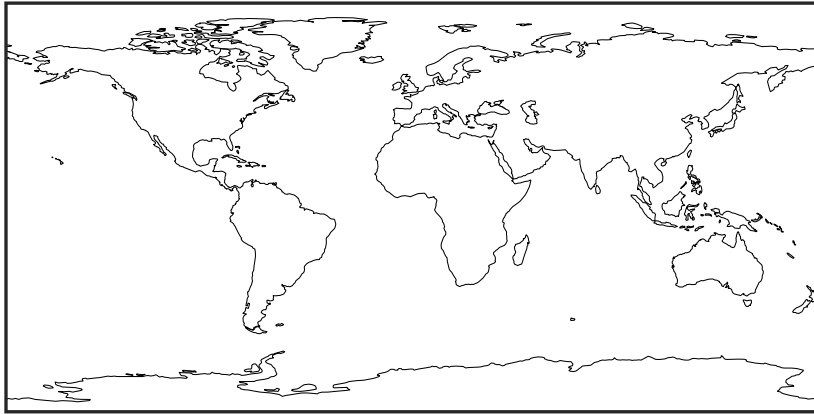
Ratio  
Dev/Ref, Fixed Range





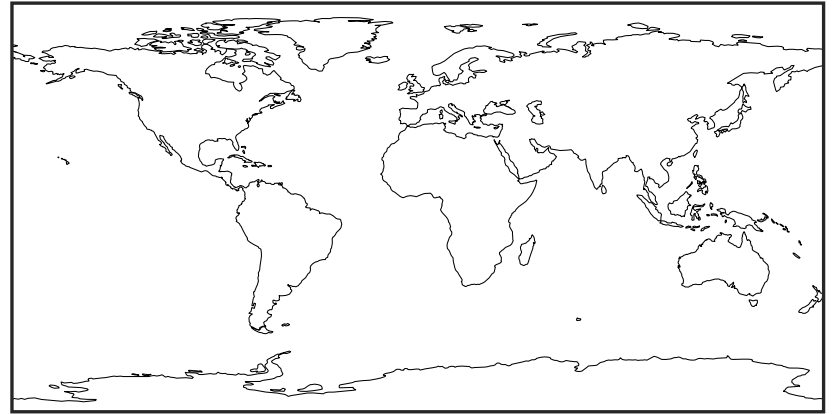
# Jval\_SO4 (Jan2019)

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



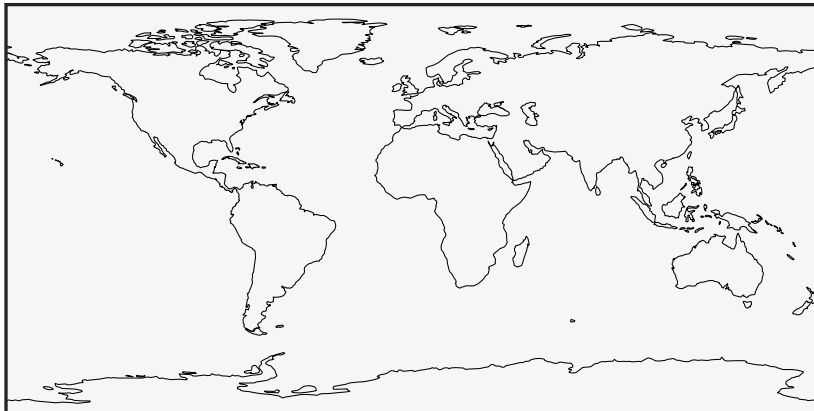
Zero throughout domain  
s-1

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



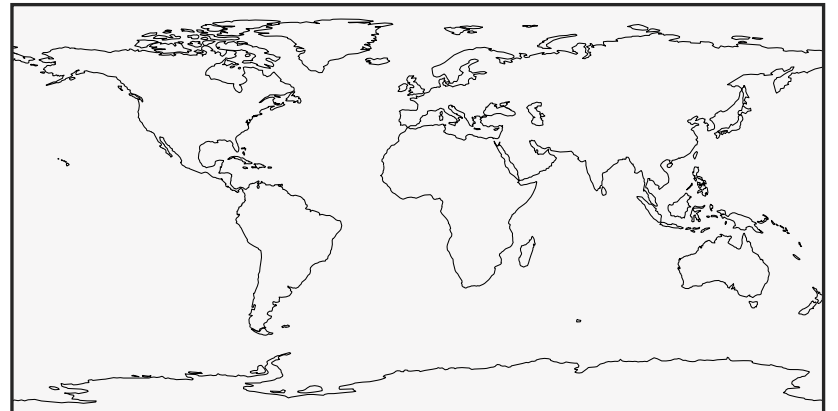
Zero throughout domain  
s-1

Difference  
Dev - Ref, Dynamic Range



Zero throughout domain  
s-1

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



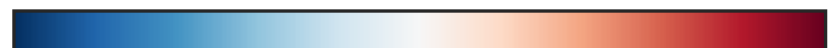
Zero throughout domain  
s-1

Ratio  
Dev/Ref, Dynamic Range



Undefined throughout domain  
unitless

Ratio  
Dev/Ref, Fixed Range



Undefined throughout domain  
unitless