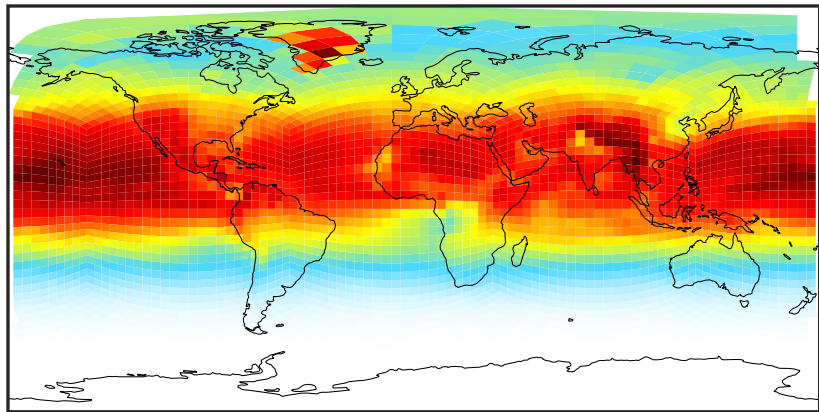


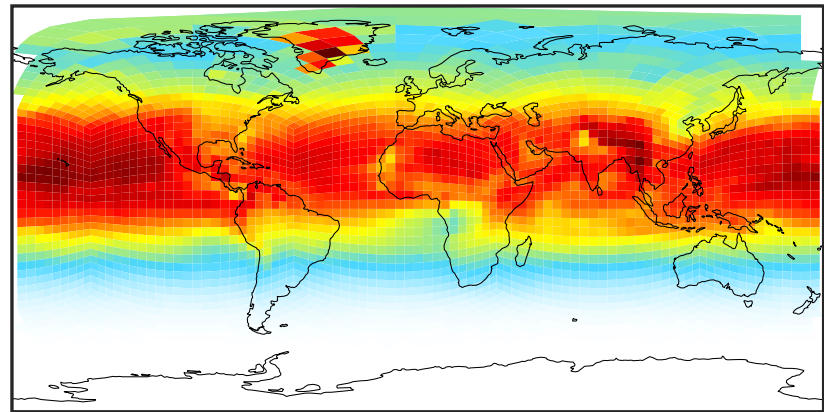
# JvalO301D (Jul2019)

14.2.0-rc.2 (Ref)  
c24



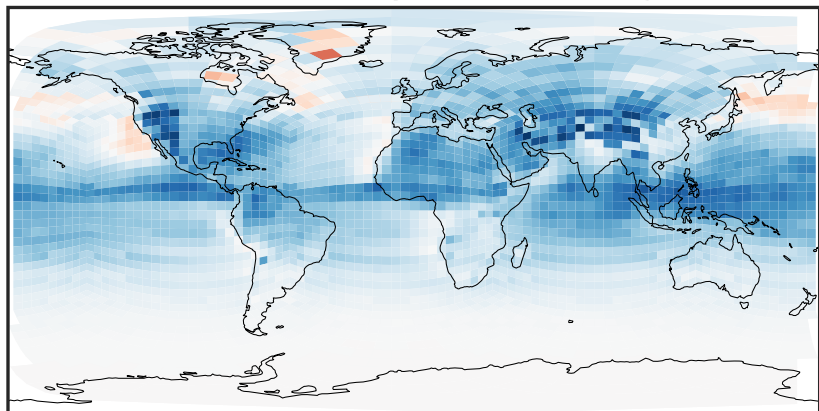
0.0 0.4 0.8 1.2  
s-1  $1e-5$

14.3.0-rc.0 (Dev)  
c24



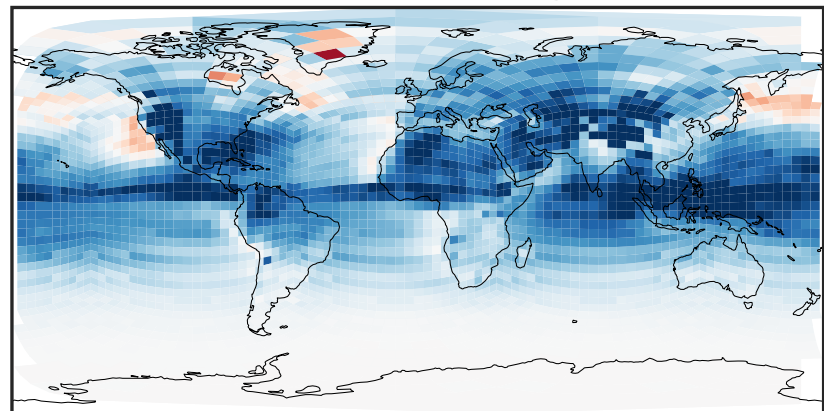
0.0 0.4 0.8 1.2  
s-1  $1e-5$

Difference  
Dev - Ref, Dynamic Range



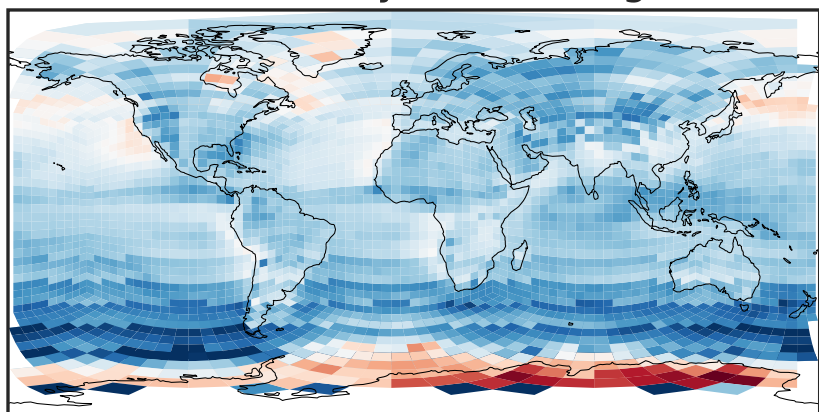
-6 0 6  
s-1  $1e-7$

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



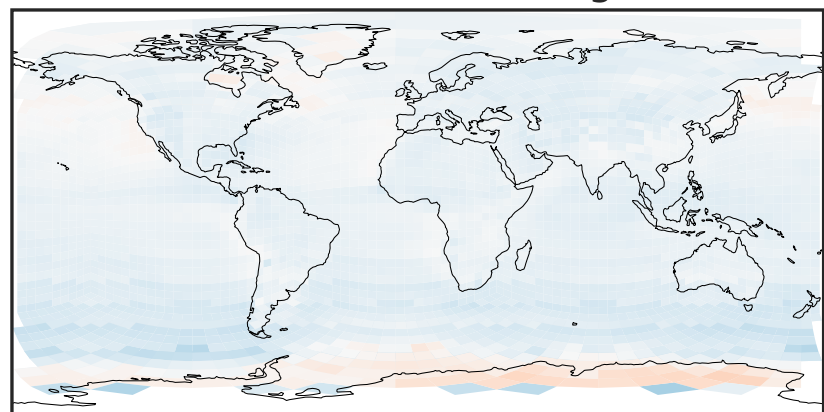
-4 0 4  
s-1  $1e-7$

Ratio  
Dev/Ref, Dynamic Range



0.8565 0.9283 1.0000 1.0838 1.1675  
unitless

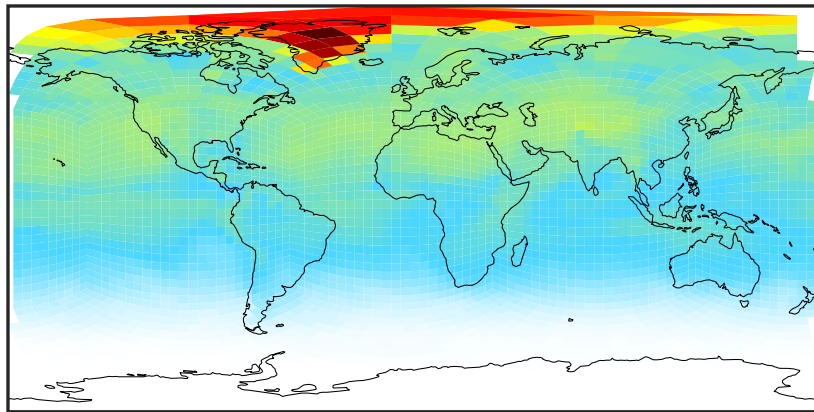
Ratio  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

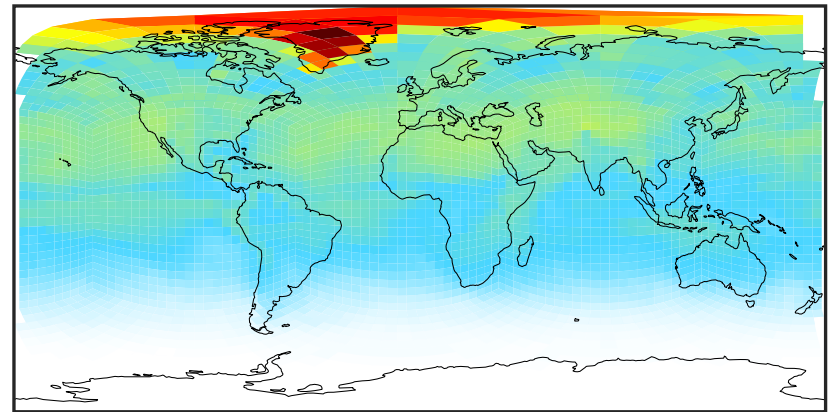
# Jval0303P (Jul2019)

14.2.0-rc.2 (Ref)  
c24



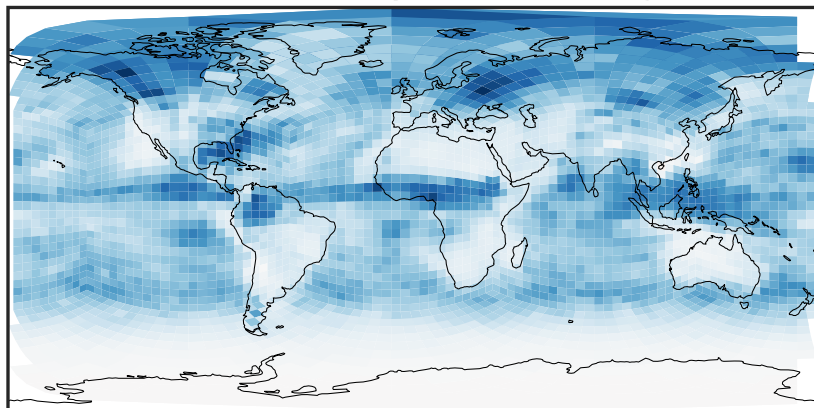
0.00000 0.00015 0.00030 0.00045  
s-1

14.3.0-rc.0 (Dev)  
c24



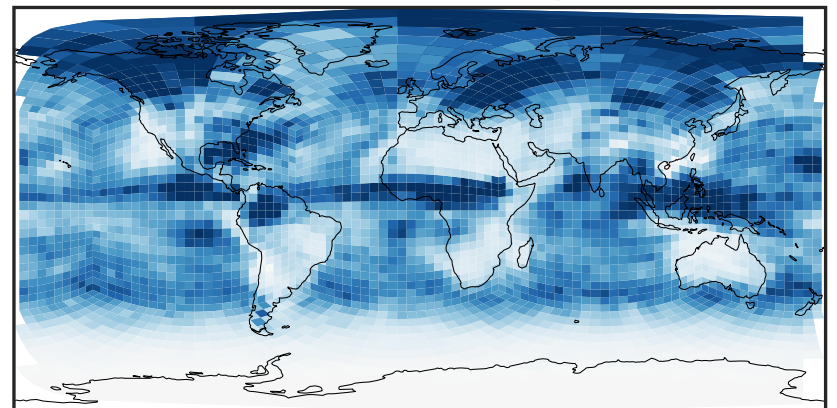
0.00000 0.00015 0.00030 0.00045  
s-1

Difference  
Dev - Ref, Dynamic Range



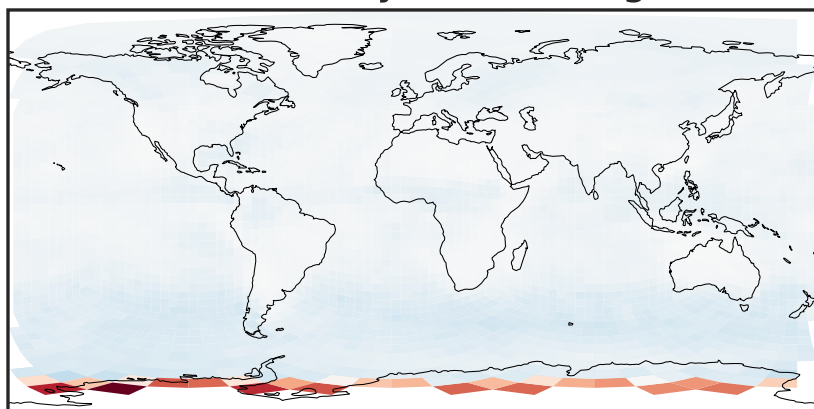
-6 0 6  
s-1 1e-6

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



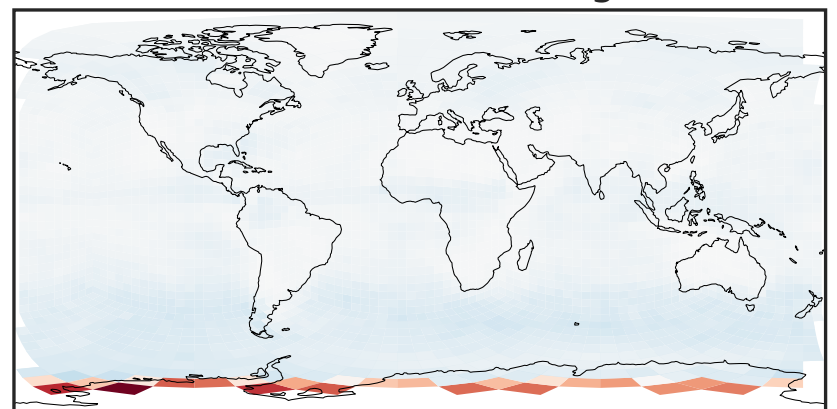
-4 0 4  
s-1 1e-6

Ratio  
Dev/Ref, Dynamic Range



0.510 0.755 1.000 1.481 1.962  
unitless

Ratio  
Dev/Ref, Fixed Range

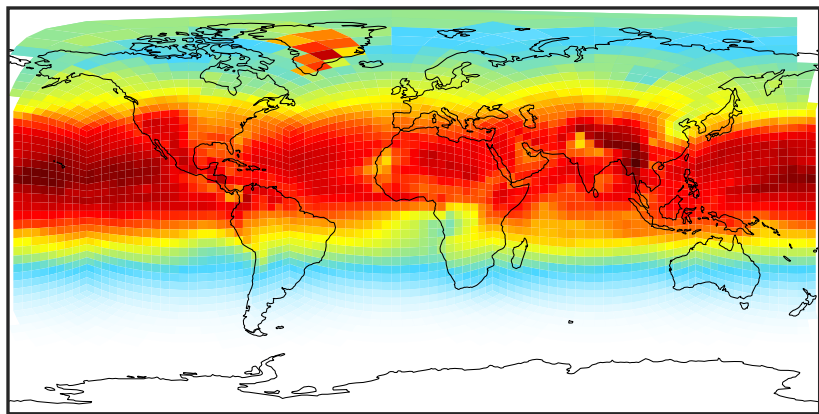


0.50 0.75 1.00 1.50 2.00  
unitless



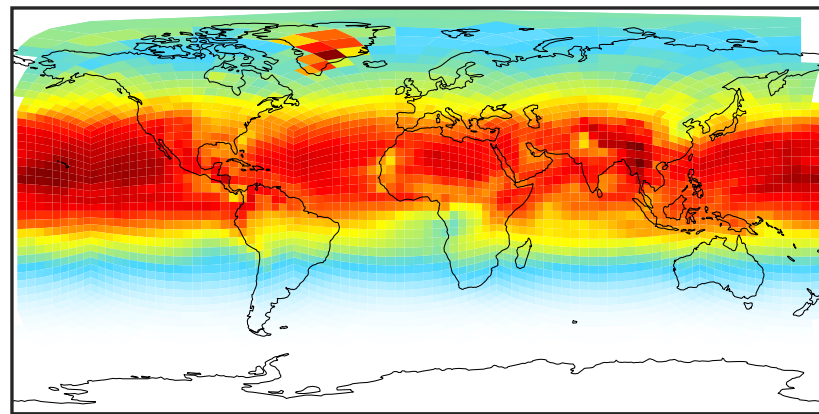
# Jval\_ACET (Jul2019)

14.2.0-rc.2 (Ref)  
c24



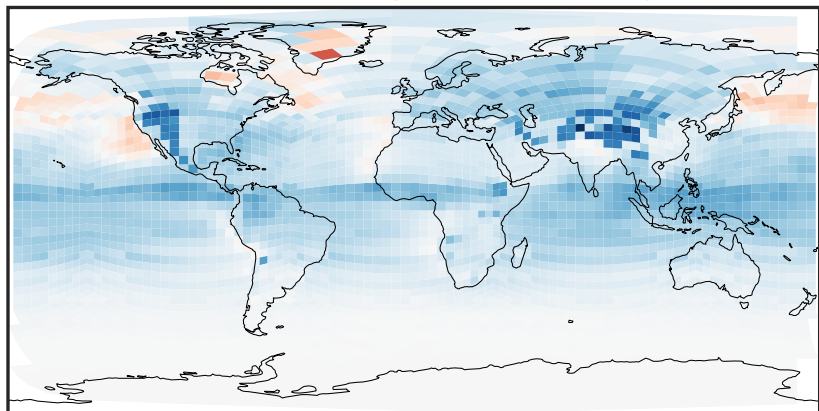
0.0 0.8 1.6 2.4  
s-1  $1e-7$

14.3.0-rc.0 (Dev)  
c24



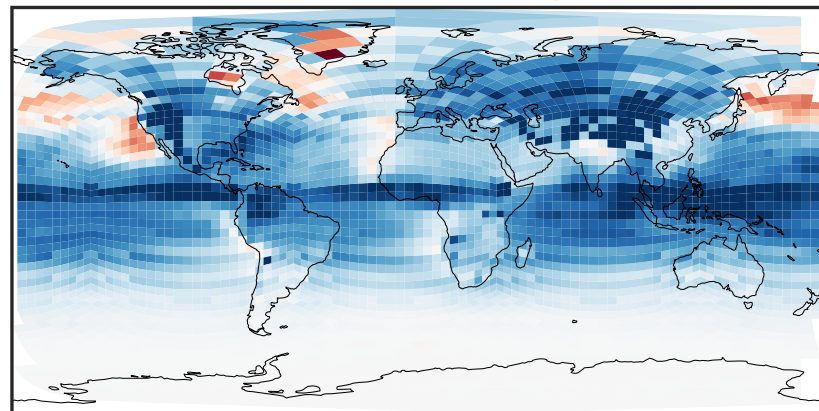
0.0 0.8 1.6 2.4  
s-1  $1e-7$

Difference  
Dev - Ref, Dynamic Range



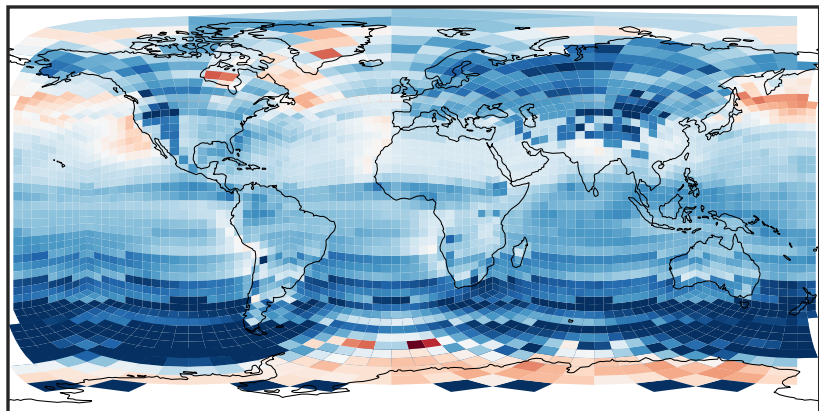
-2 0 2  
s-1  $1e-8$

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



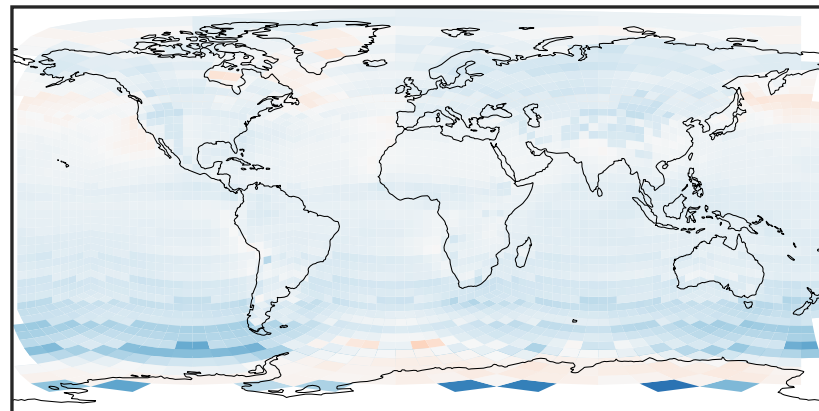
-8 0 8  
s-1  $1e-9$

Ratio  
Dev/Ref, Dynamic Range



0.8584 0.9292 1.0000 1.0825 1.1649  
unitless

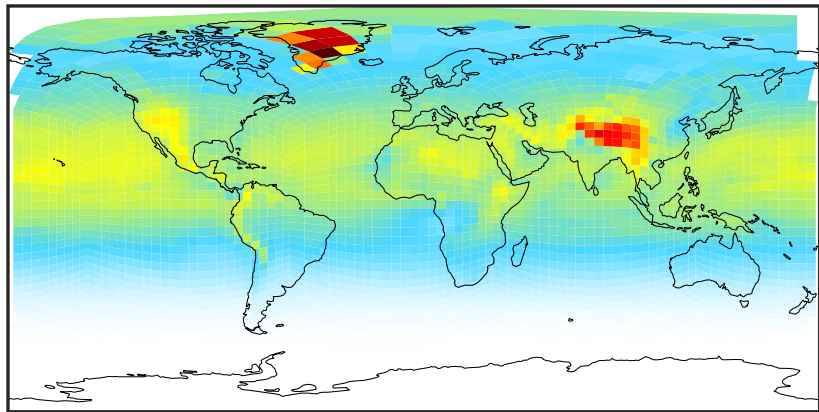
Ratio  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

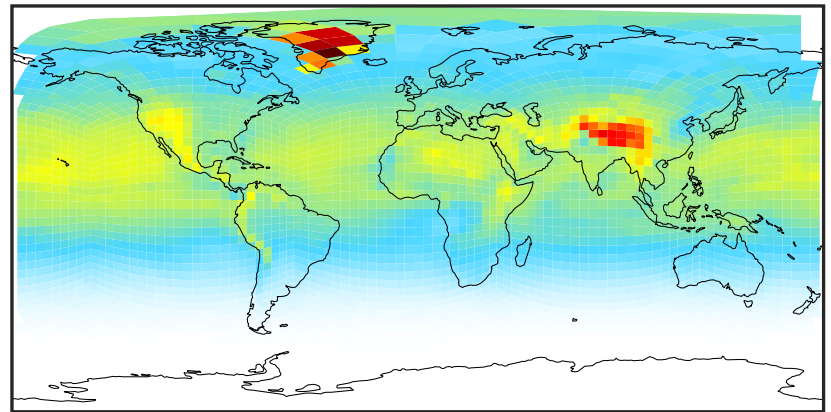
# Jval\_ALD2 (Jul2019)

14.2.0-rc.2 (Ref)  
c24



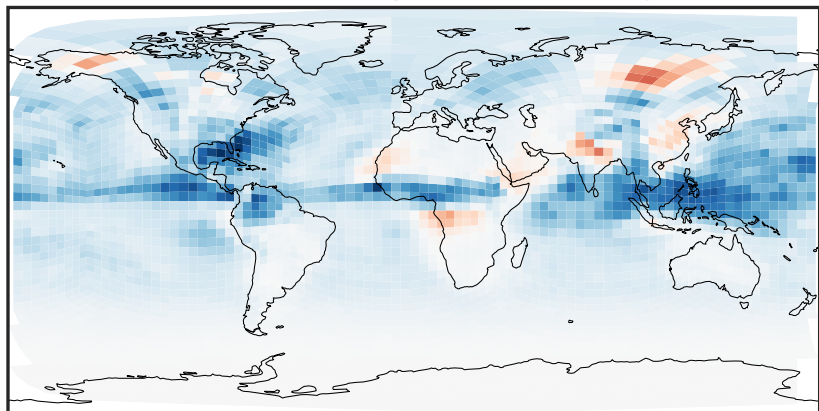
0.0 0.8 1.6 2.4  
s-1 1e-6

14.3.0-rc.0 (Dev)  
c24



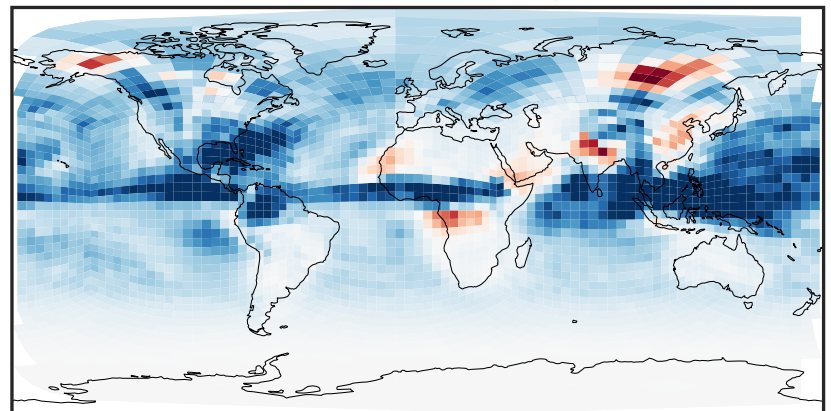
0.0 0.8 1.6 2.4  
s-1 1e-6

Difference  
Dev - Ref, Dynamic Range



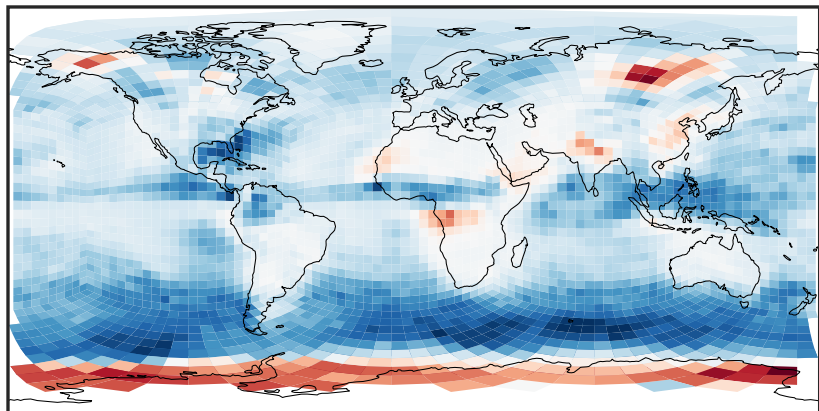
-4 0 4  
s-1 1e-8

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



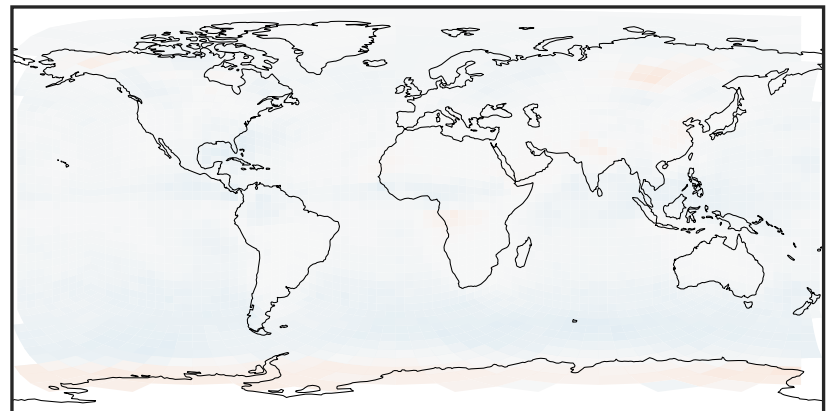
-2 0 2  
s-1 1e-8

Ratio  
Dev/Ref, Dynamic Range



0.9340 0.9670 1.0000 1.0353 1.0707  
unitless

Ratio  
Dev/Ref, Fixed Range

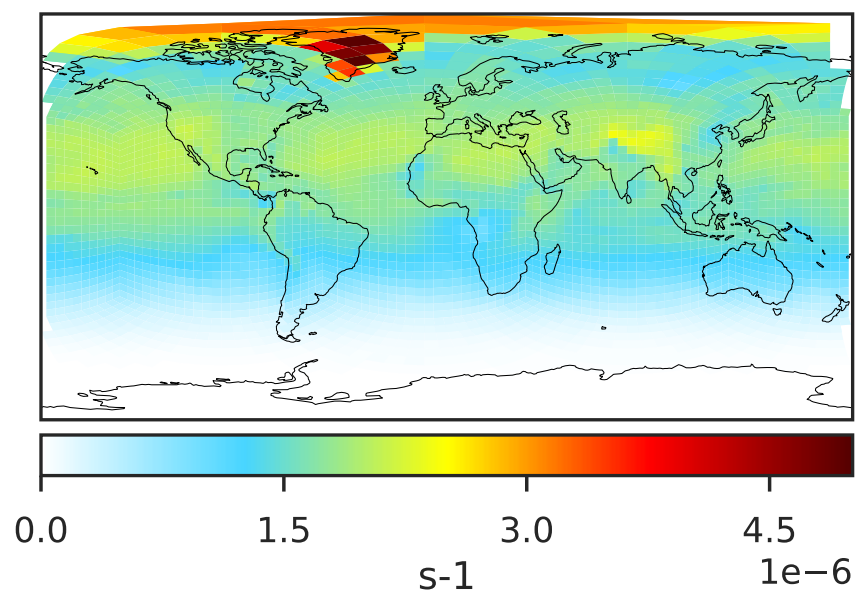


0.50 0.75 1.00 1.50 2.00  
unitless

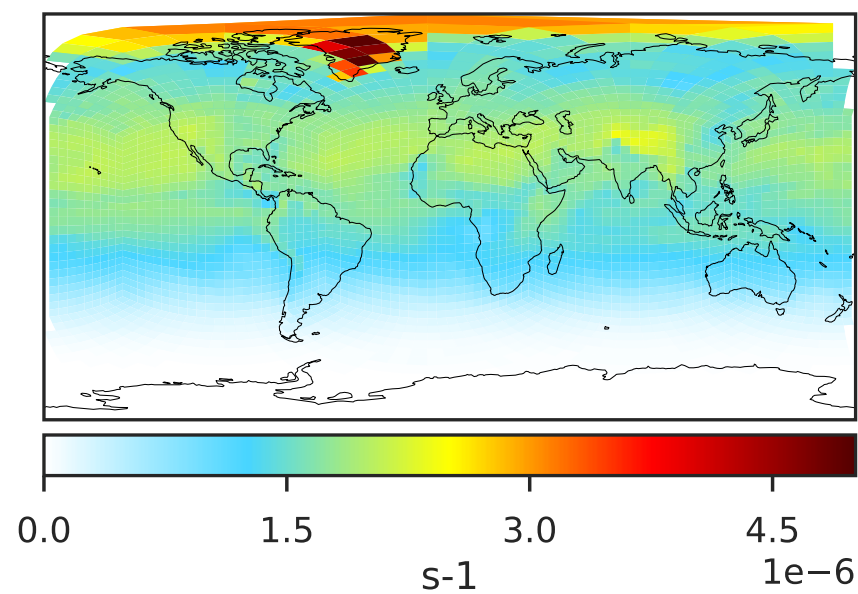


# Jval\_ATOOH (Jul2019)

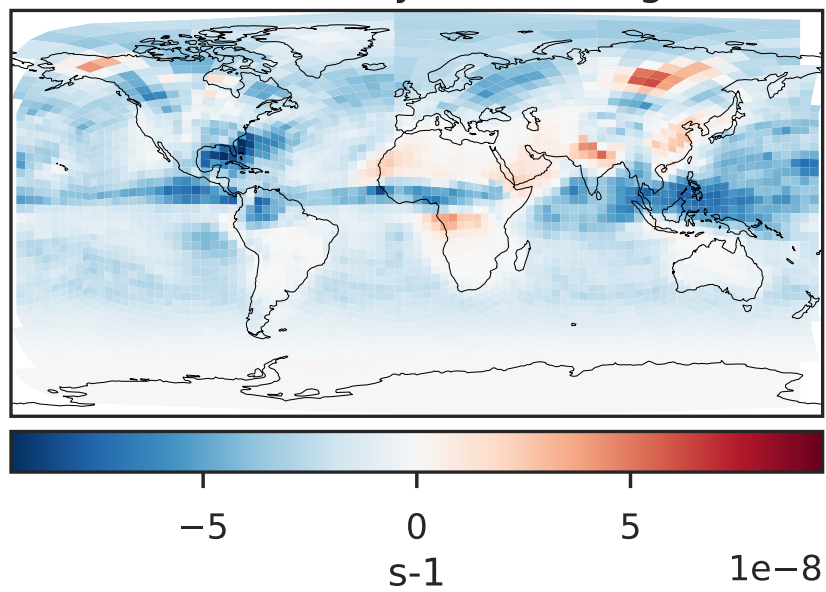
14.2.0-rc.2 (Ref)  
c24



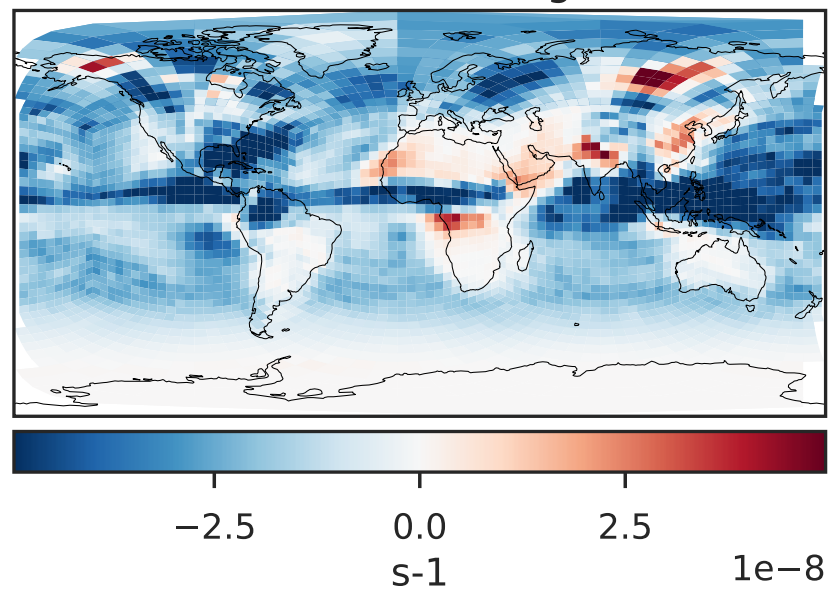
14.3.0-rc.0 (Dev)  
c24



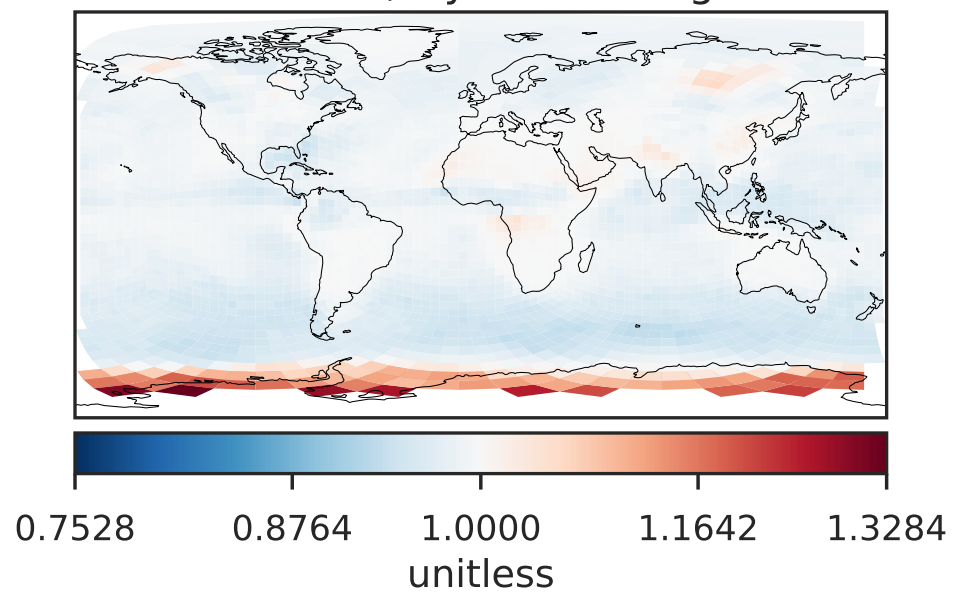
Difference  
Dev - Ref, Dynamic Range



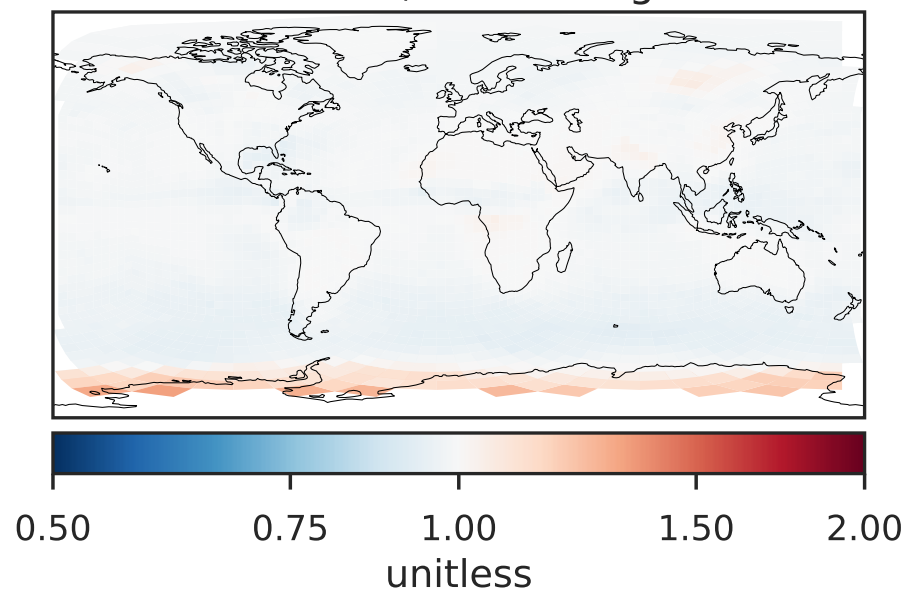
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

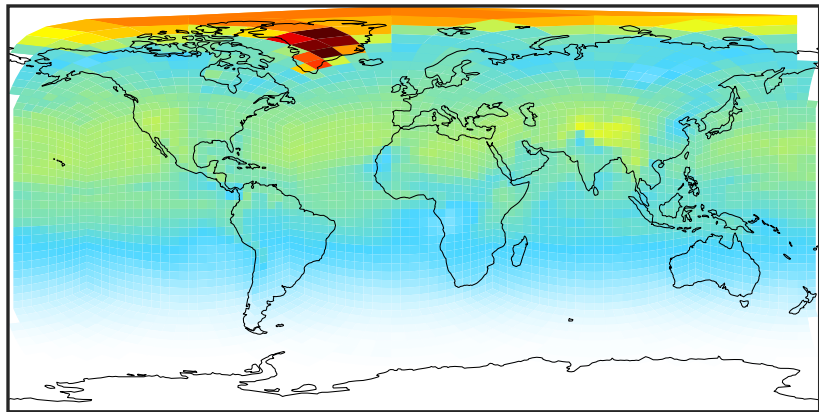


Ratio  
Dev/Ref, Fixed Range



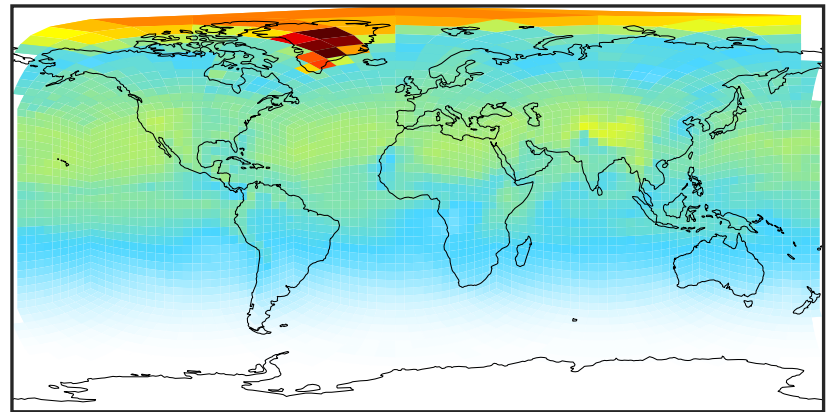
# Jval\_BALD (Jul2019)

14.2.0-rc.2 (Ref)  
c24



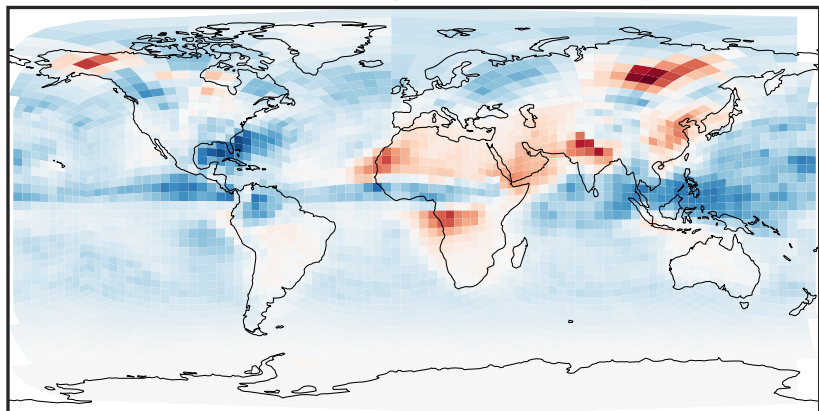
0.0 0.6 1.2 1.8  
s-1  $1e-5$

14.3.0-rc.0 (Dev)  
c24



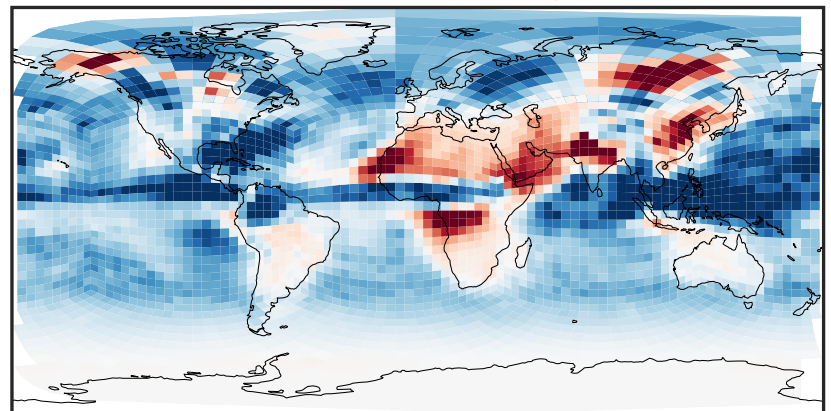
0.0 0.6 1.2 1.8  
s-1  $1e-5$

Difference  
Dev - Ref, Dynamic Range



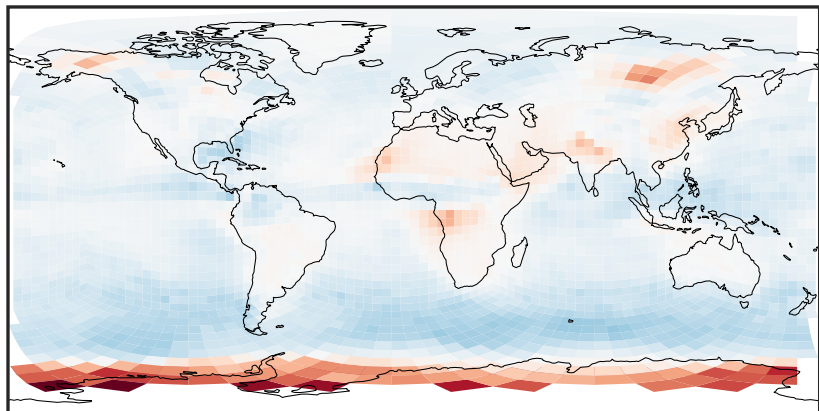
-2.5 0.0 2.5  
s-1  $1e-7$

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



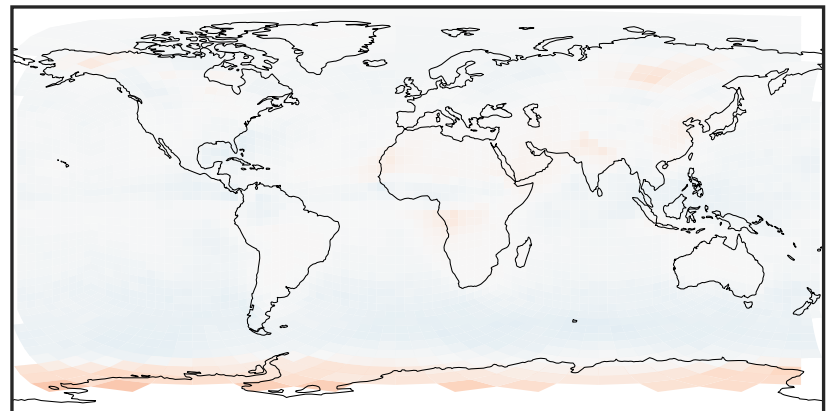
-1 0 1  
s-1  $1e-7$

Ratio  
Dev/Ref, Dynamic Range



0.8281 0.9141 1.0000 1.1038 1.2075  
unitless

Ratio  
Dev/Ref, Fixed Range

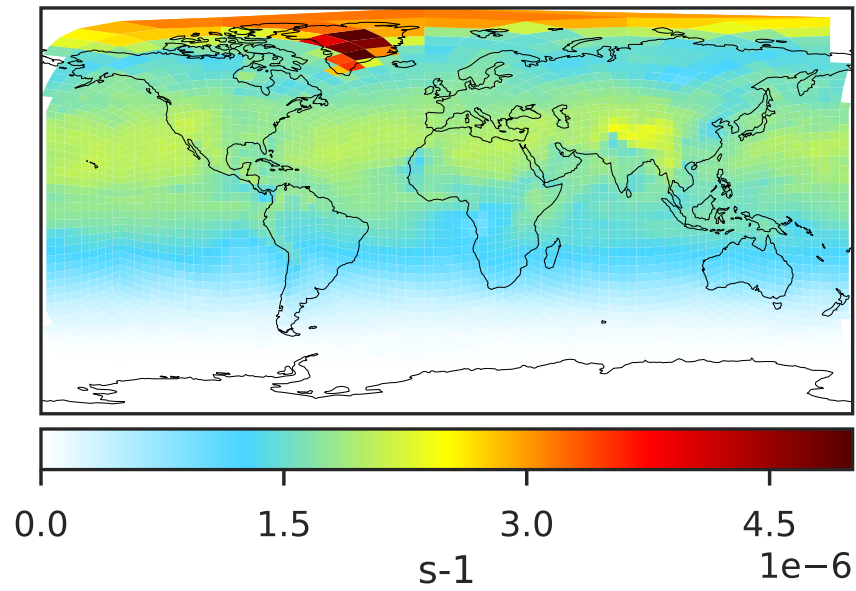


0.50 0.75 1.00 1.50 2.00  
unitless

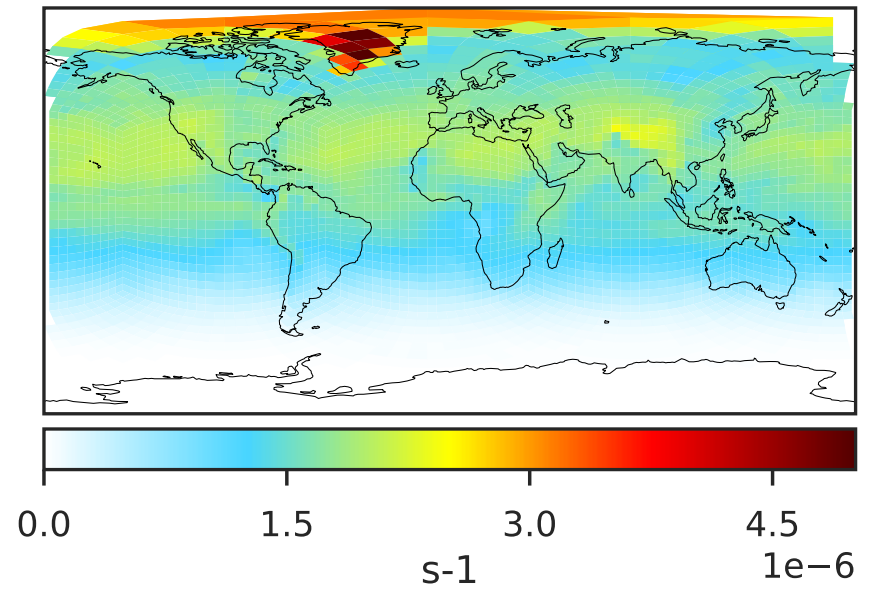


# Jval\_BENZP (Jul2019)

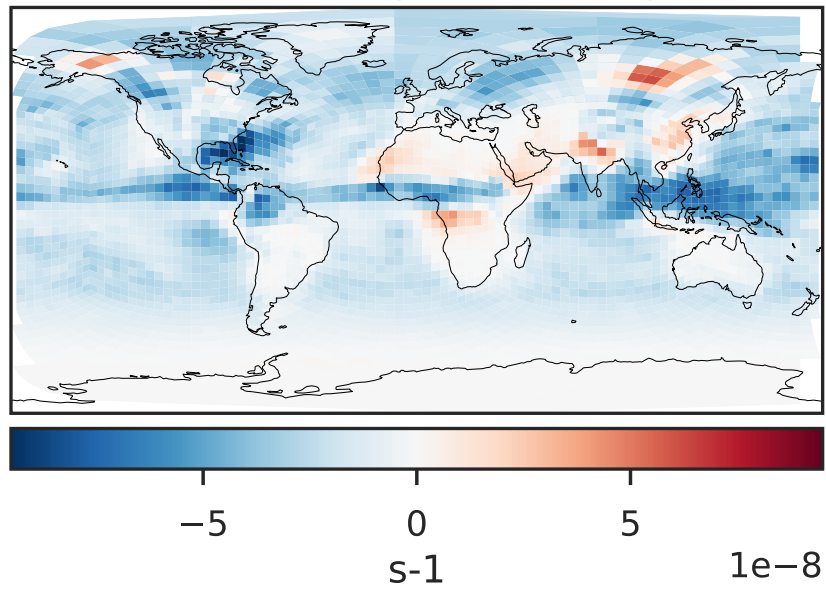
14.2.0-rc.2 (Ref)  
c24



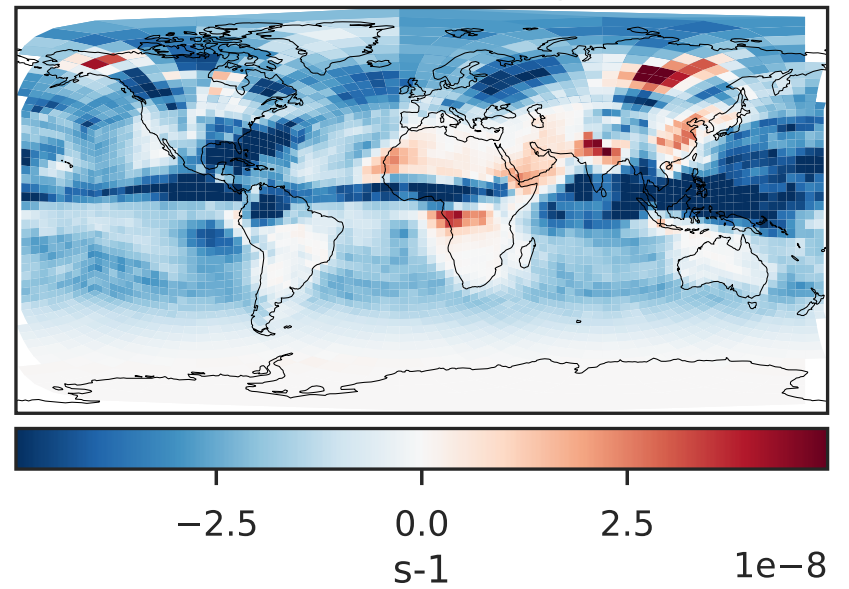
14.3.0-rc.0 (Dev)  
c24



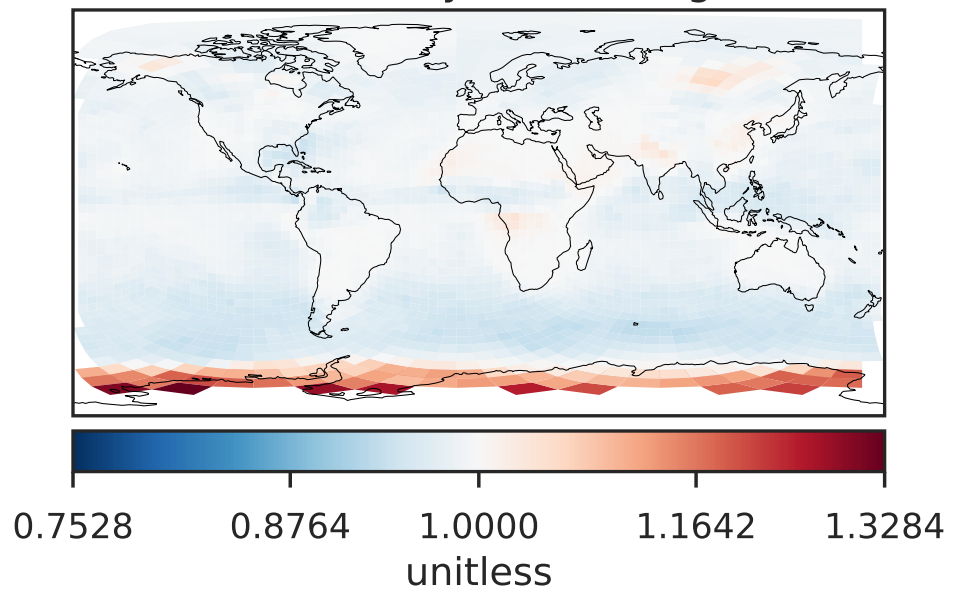
Difference  
Dev - Ref, Dynamic Range



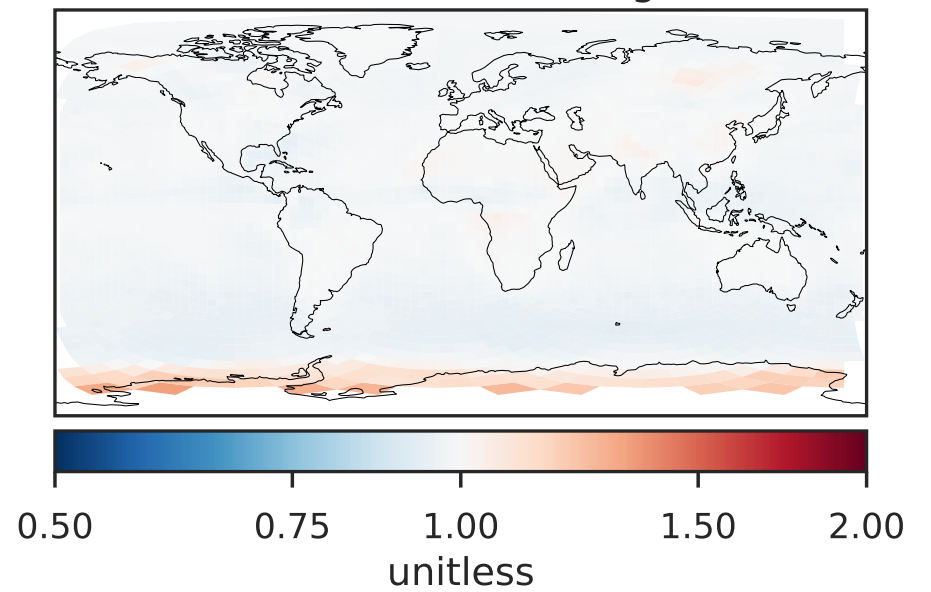
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

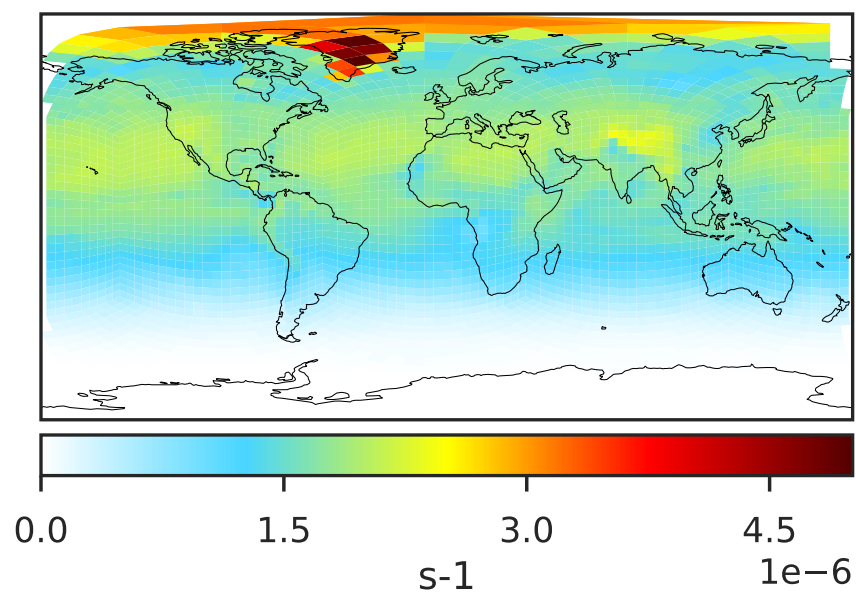


Ratio  
Dev/Ref, Fixed Range

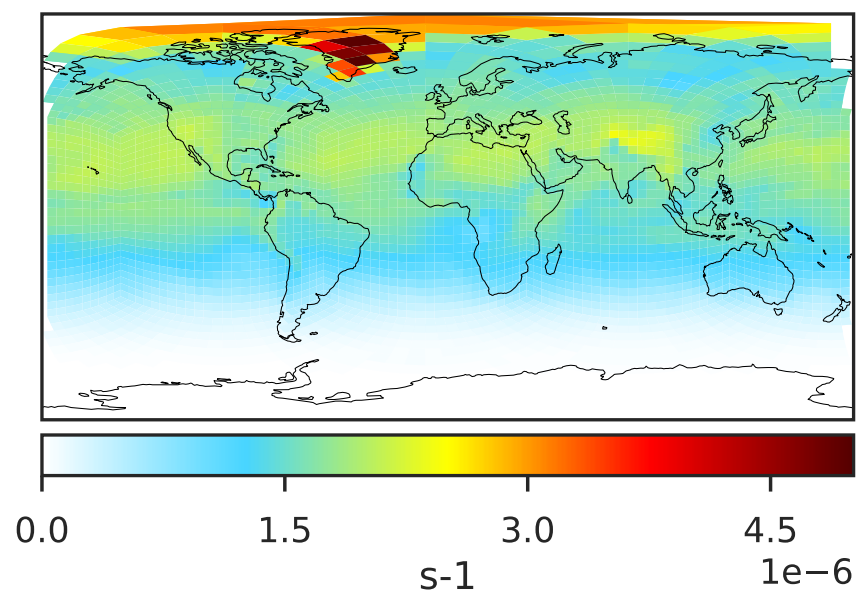


# Jval\_BZCO3H (Jul2019)

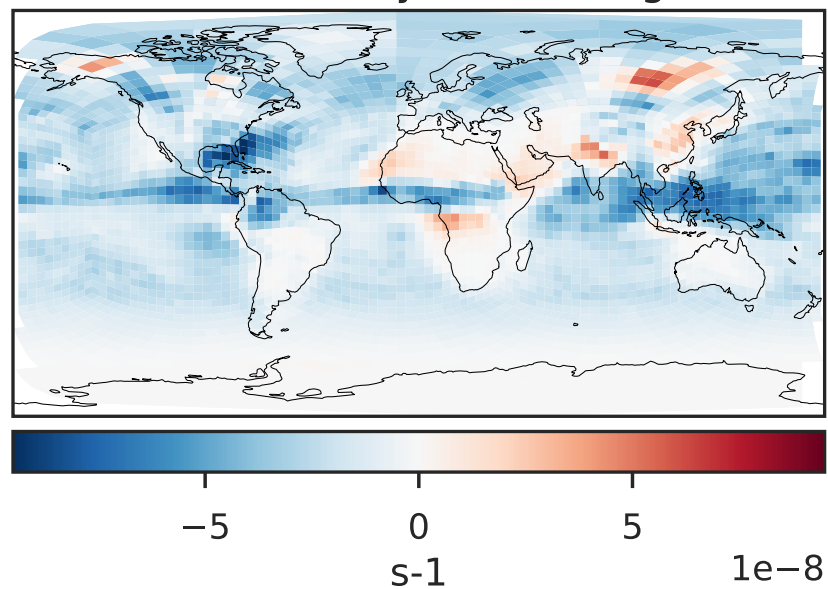
14.2.0-rc.2 (Ref)  
c24



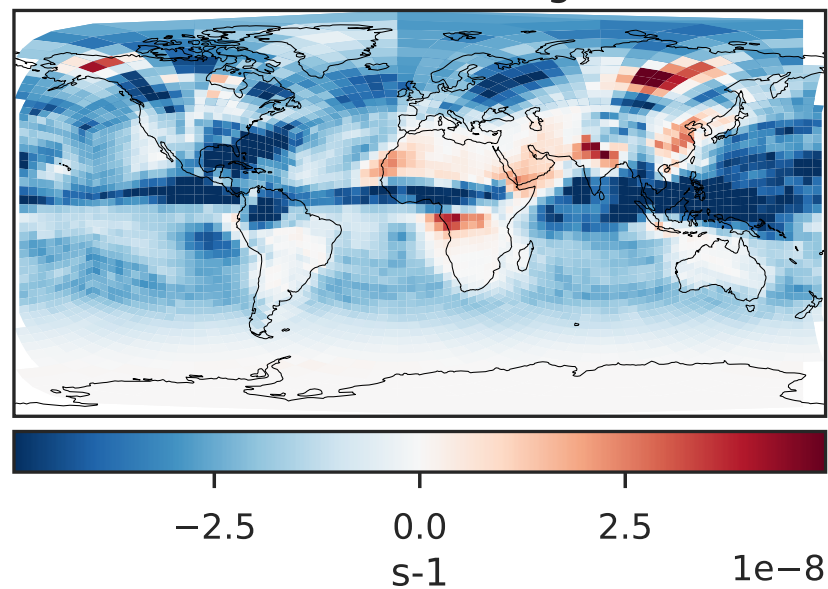
14.3.0-rc.0 (Dev)  
c24



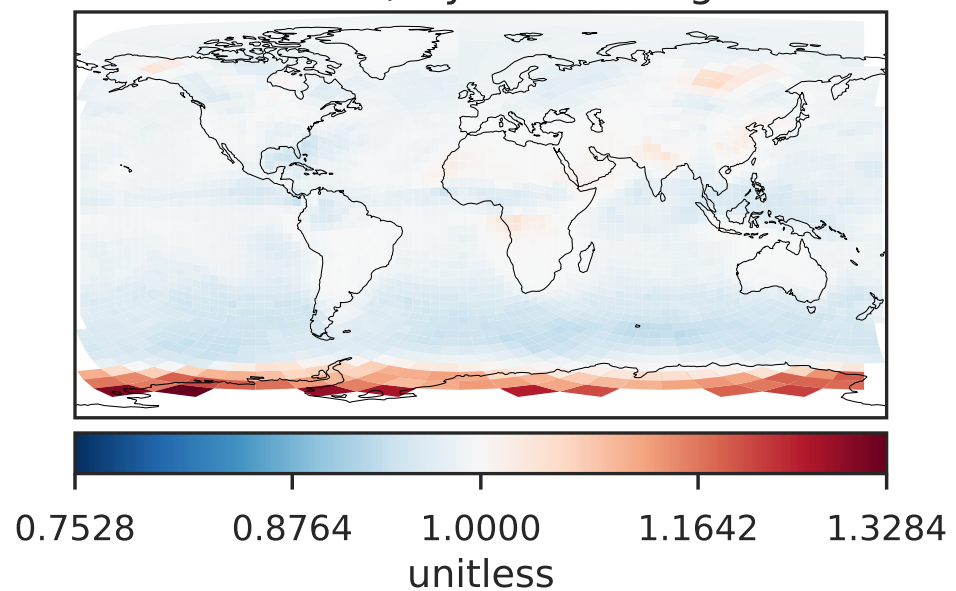
Difference  
Dev - Ref, Dynamic Range



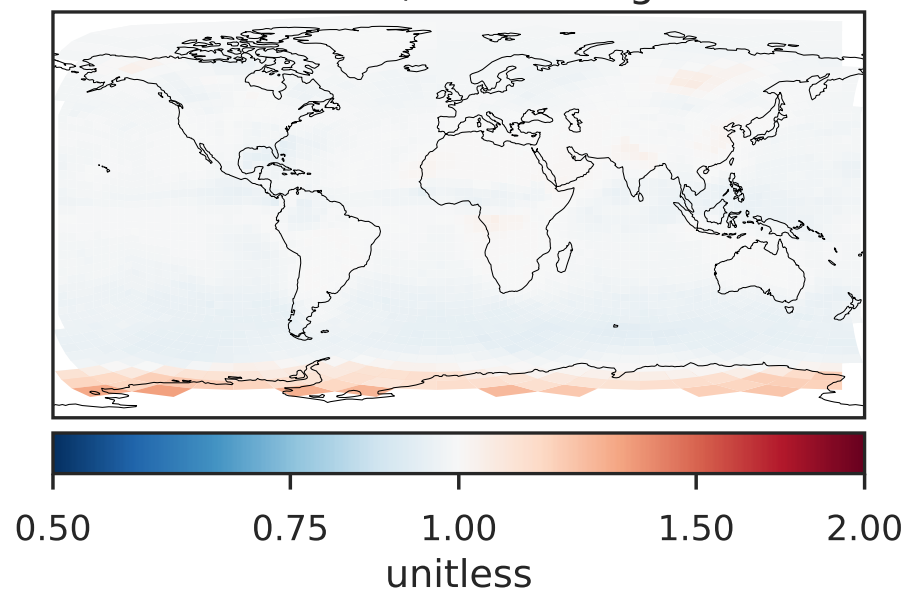
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



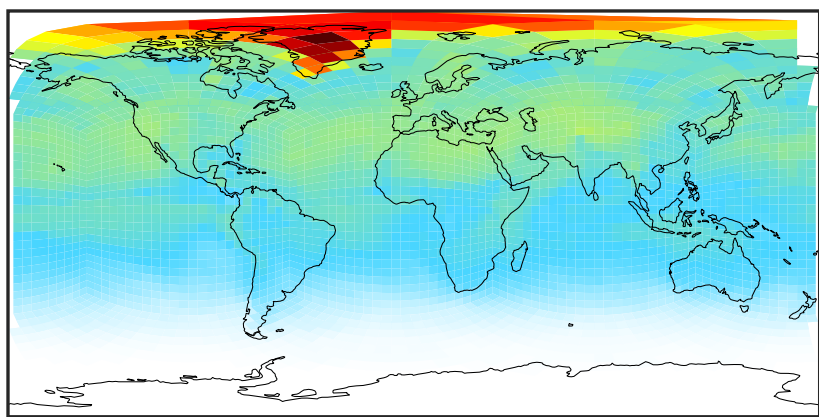
Ratio  
Dev/Ref, Fixed Range





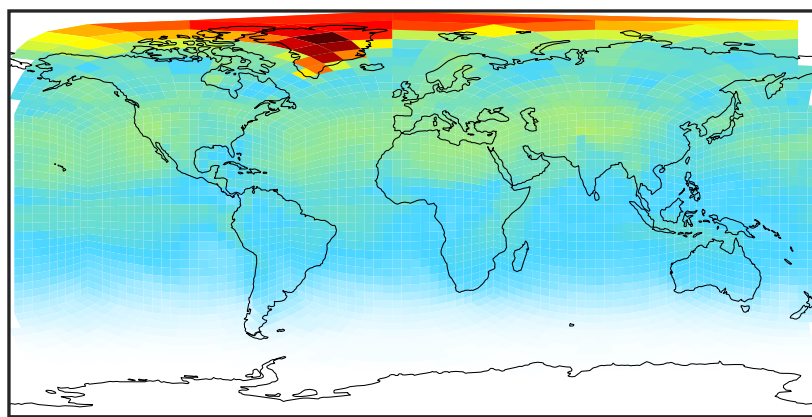
# Jval\_Br2 (Jul2019)

14.2.0-rc.2 (Ref)  
c24



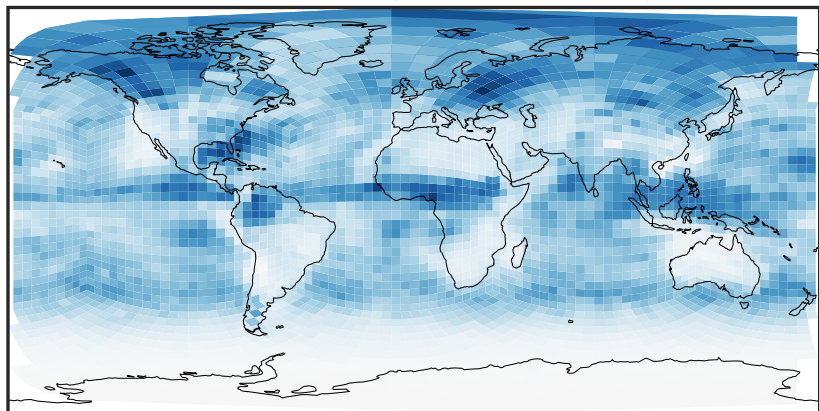
0.000 0.015 0.030  
s-1

14.3.0-rc.0 (Dev)  
c24



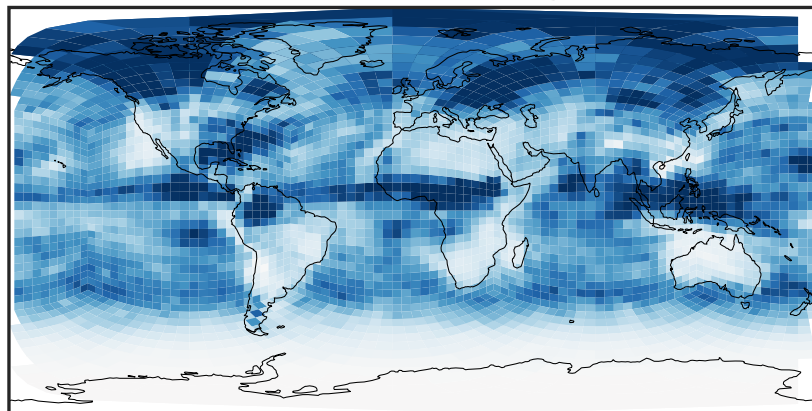
0.000 0.015 0.030  
s-1

Difference  
Dev - Ref, Dynamic Range



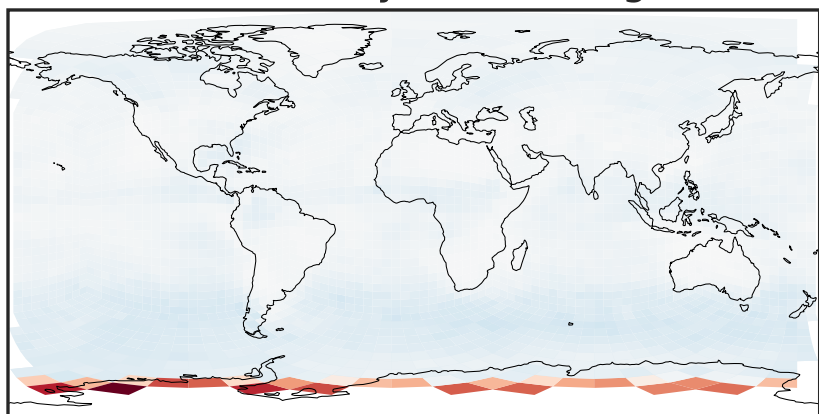
-0.0005 0.0000 0.0005  
s-1

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



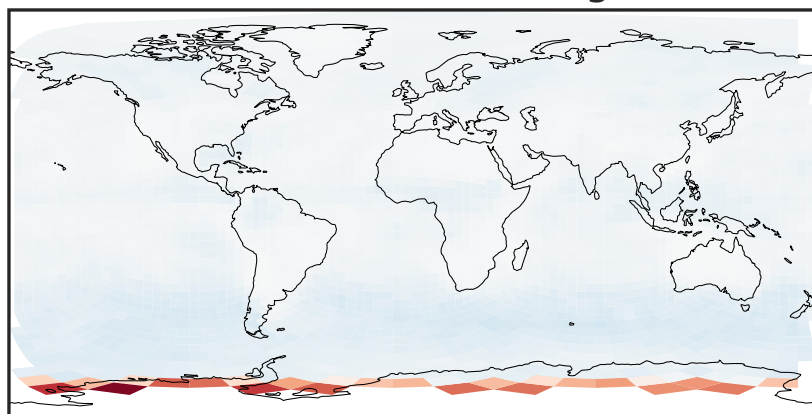
-0.0003 0.0000 0.0003  
s-1

Ratio  
Dev/Ref, Dynamic Range



0.526 0.763 1.000 1.451 1.902  
unitless

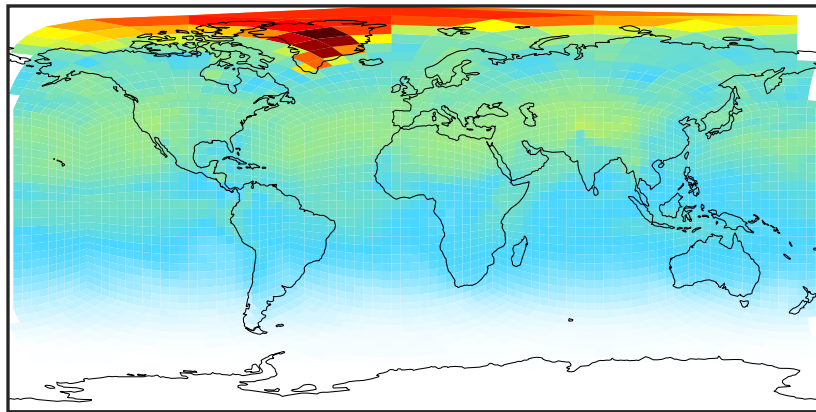
Ratio  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

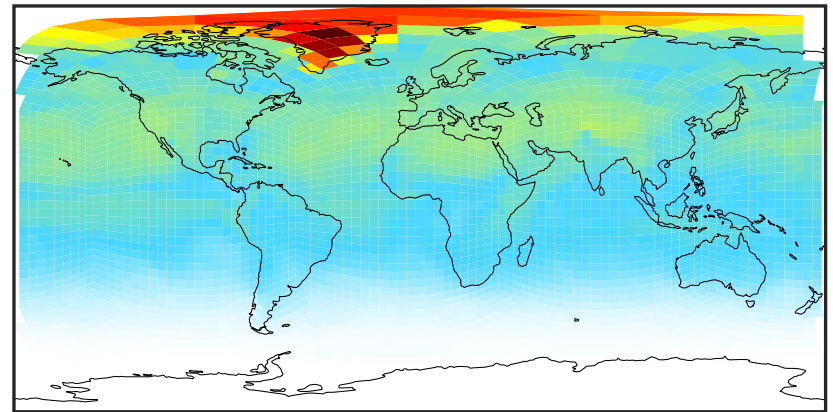
# Jval\_BrCl (Jul2019)

14.2.0-rc.2 (Ref)  
c24



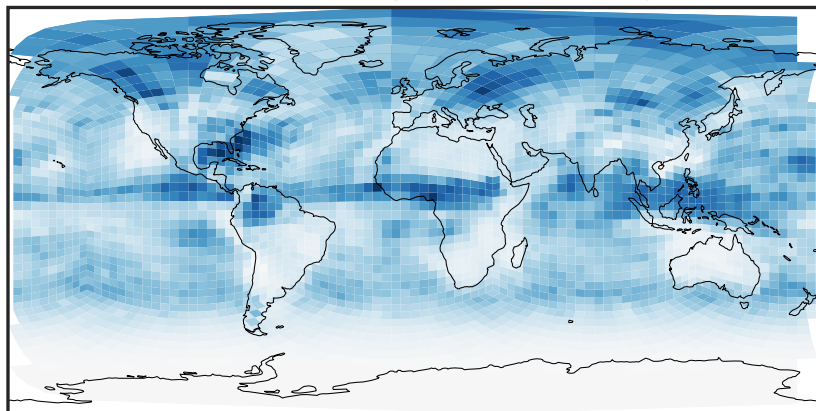
0.000 0.004 0.008 0.012  
s-1

14.3.0-rc.0 (Dev)  
c24



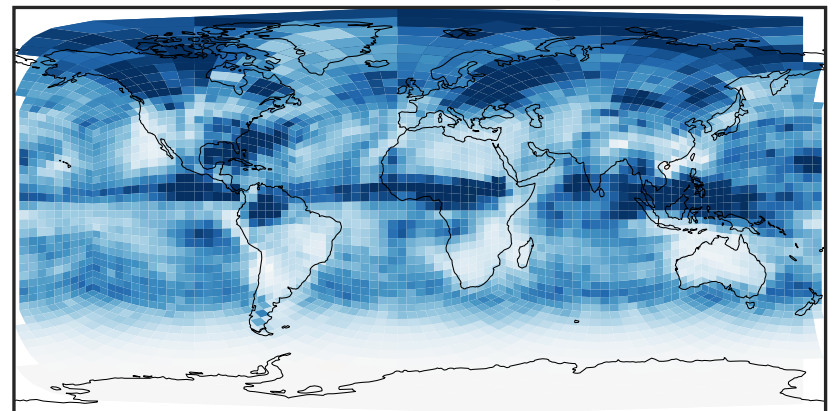
0.000 0.004 0.008 0.012  
s-1

Difference  
Dev - Ref, Dynamic Range



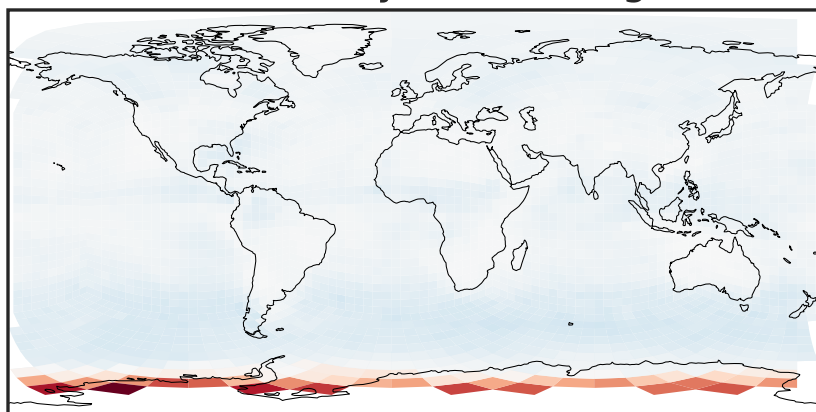
-0.00015 0.00000 0.00015  
s-1

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



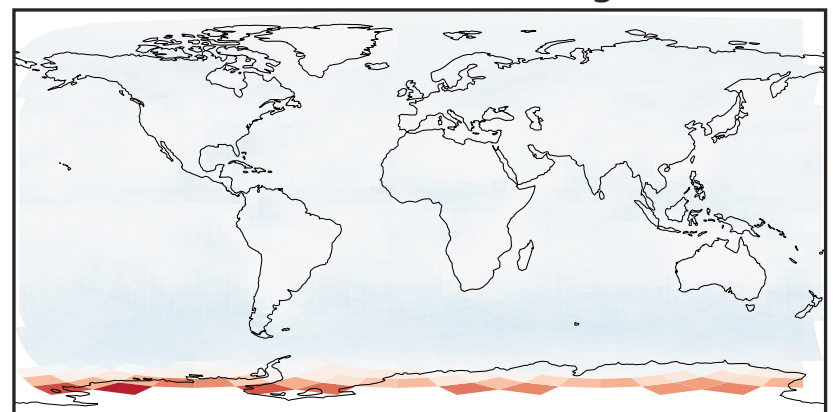
-8 0 8  
s-1 1e-5

Ratio  
Dev/Ref, Dynamic Range



0.583 0.791 1.000 1.358 1.715  
unitless

Ratio  
Dev/Ref, Fixed Range

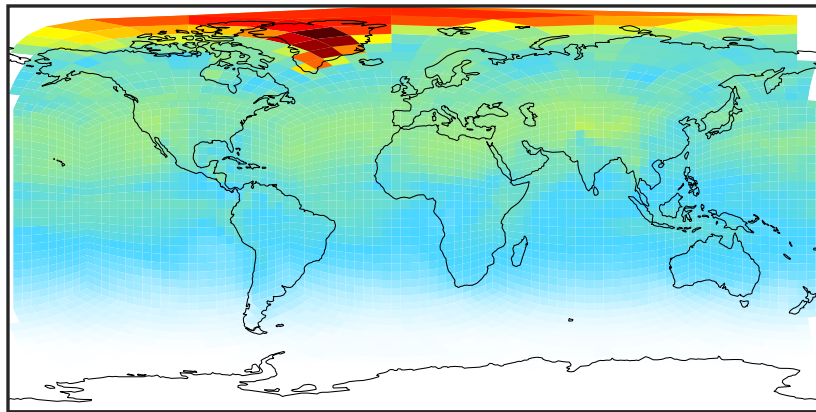


0.50 0.75 1.00 1.50 2.00  
unitless



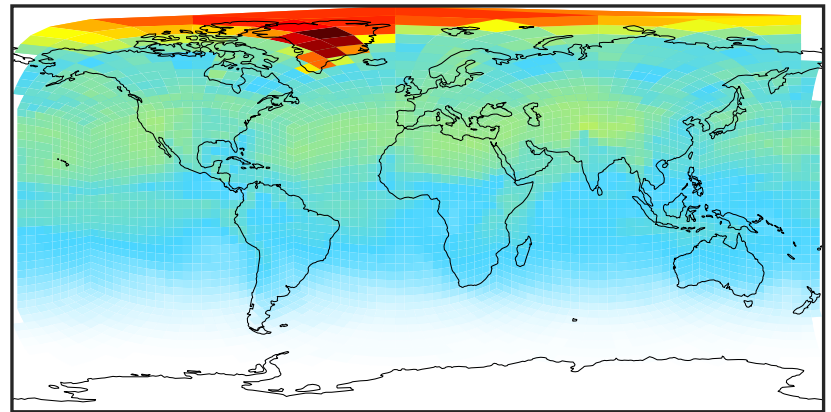
# Jval\_BrNO2 (Jul2019)

14.2.0-rc.2 (Ref)  
c24



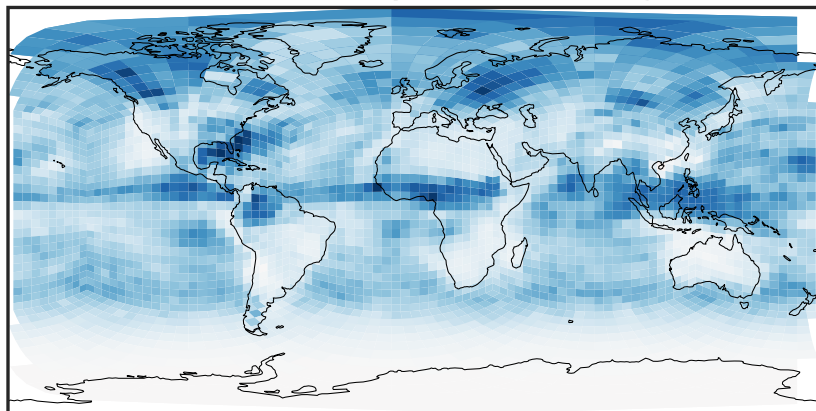
0.000 0.002 0.004 0.006  
s-1

14.3.0-rc.0 (Dev)  
c24



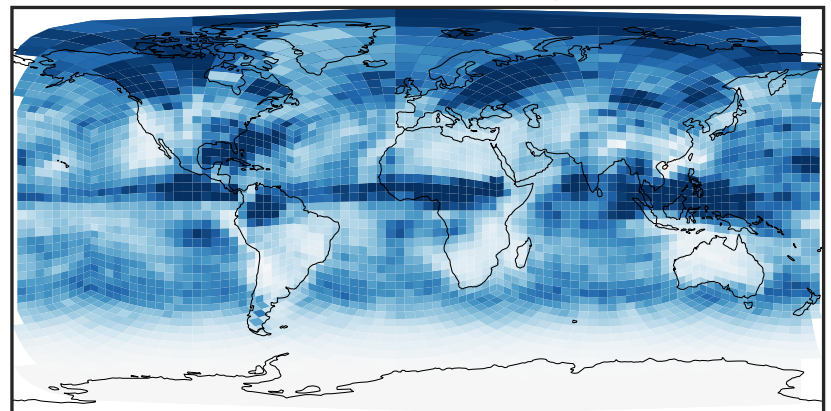
0.000 0.002 0.004 0.006  
s-1

Difference  
Dev - Ref, Dynamic Range



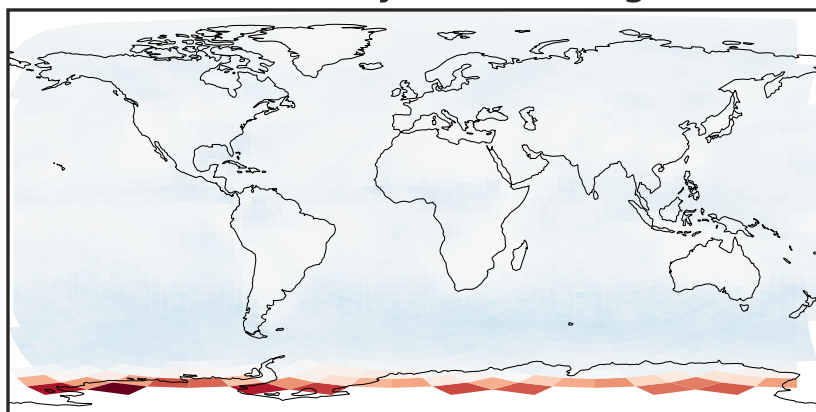
-8 0 8  
s-1 1e-5

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



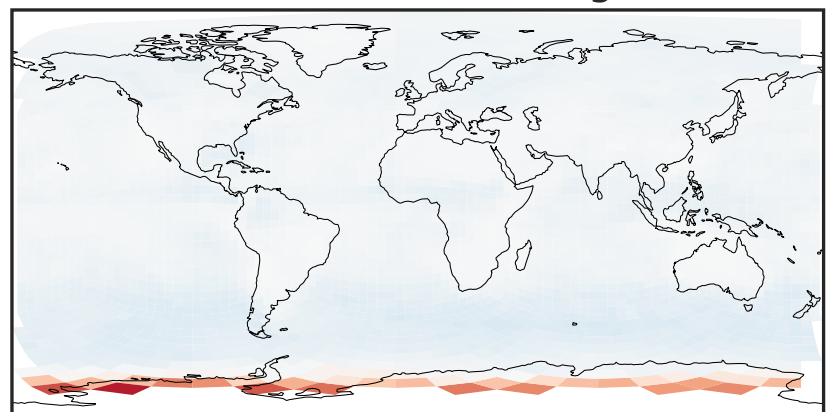
-5 0 5  
s-1 1e-5

Ratio  
Dev/Ref, Dynamic Range



0.580 0.790 1.000 1.362 1.723  
unitless

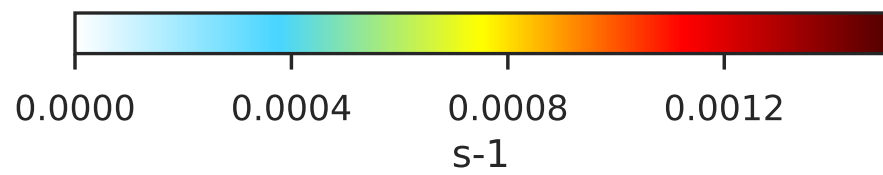
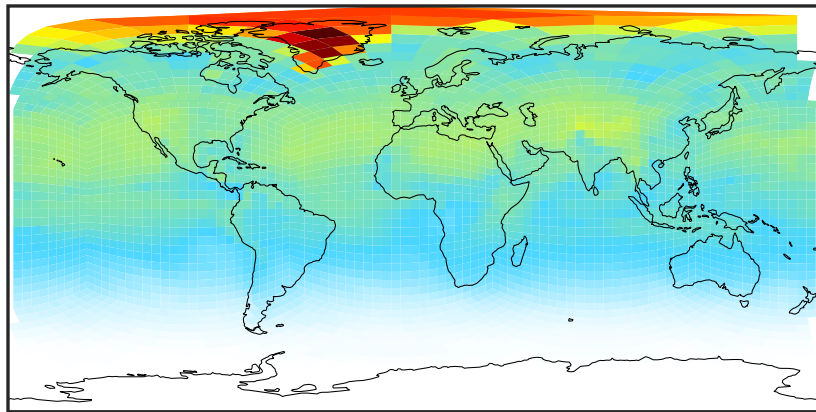
Ratio  
Dev/Ref, Fixed Range



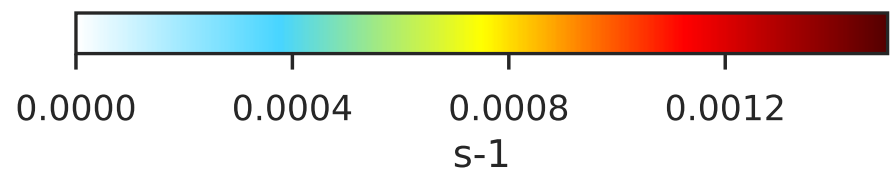
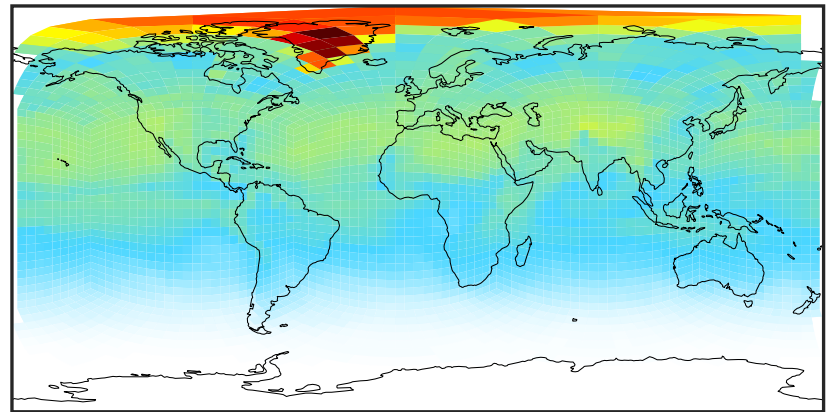
0.50 0.75 1.00 1.50 2.00  
unitless

# Jval\_BrNO3 (Jul2019)

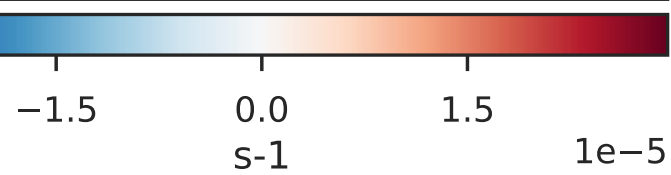
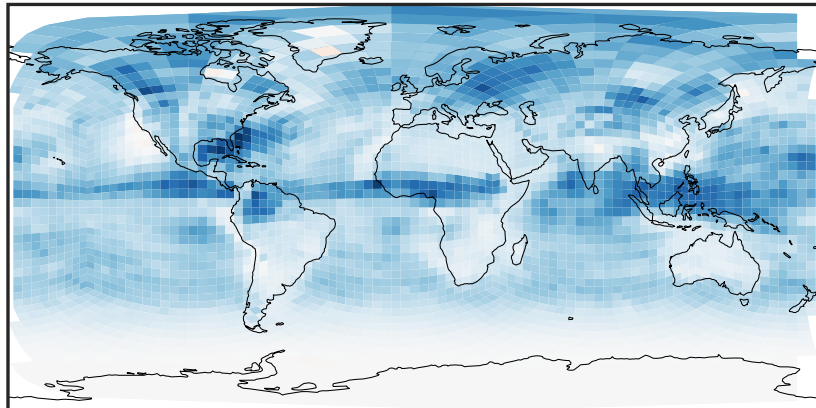
14.2.0-rc.2 (Ref)  
c24



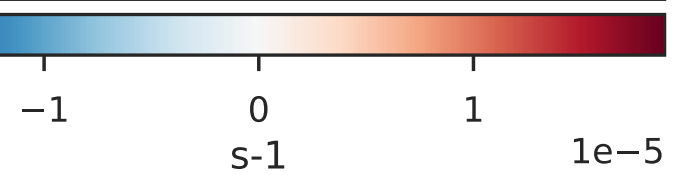
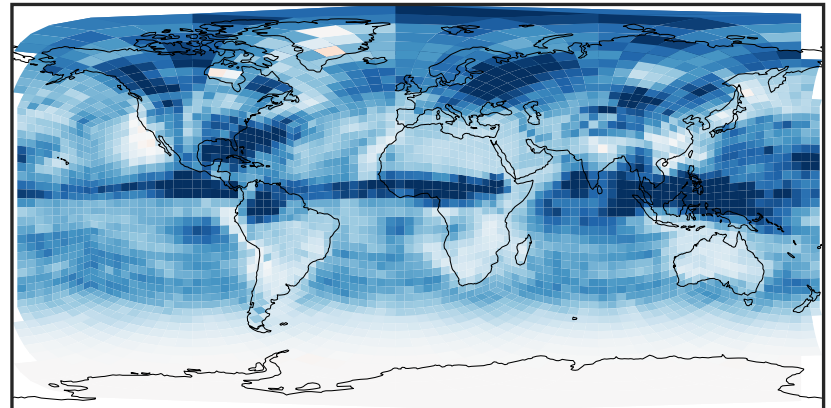
14.3.0-rc.0 (Dev)  
c24



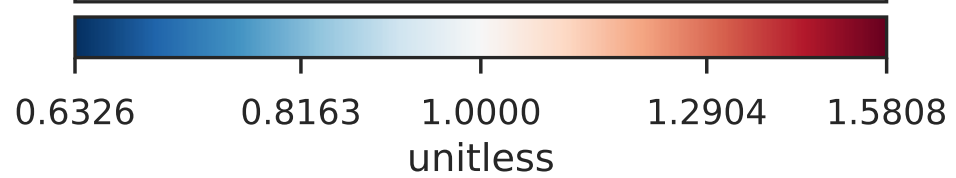
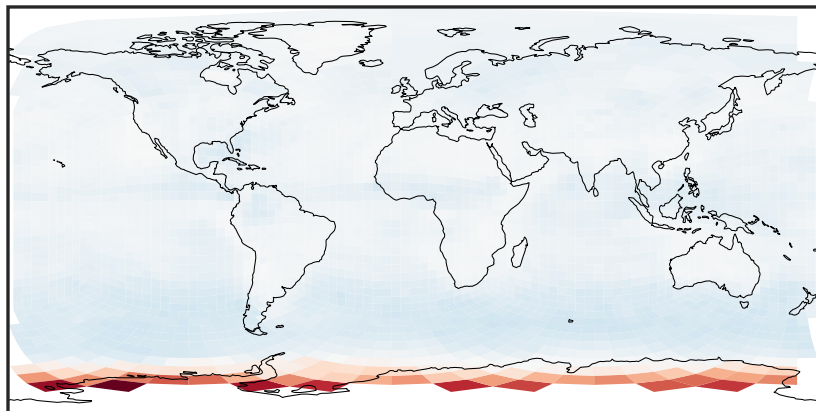
Difference  
Dev - Ref, Dynamic Range



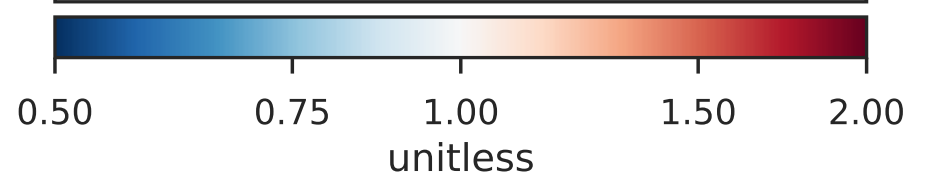
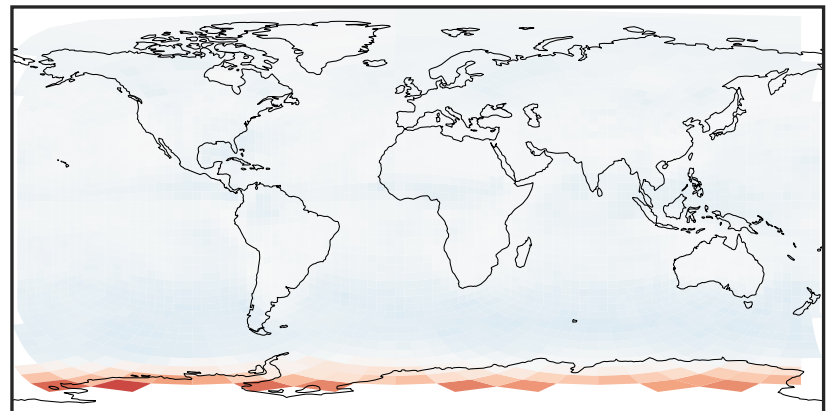
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



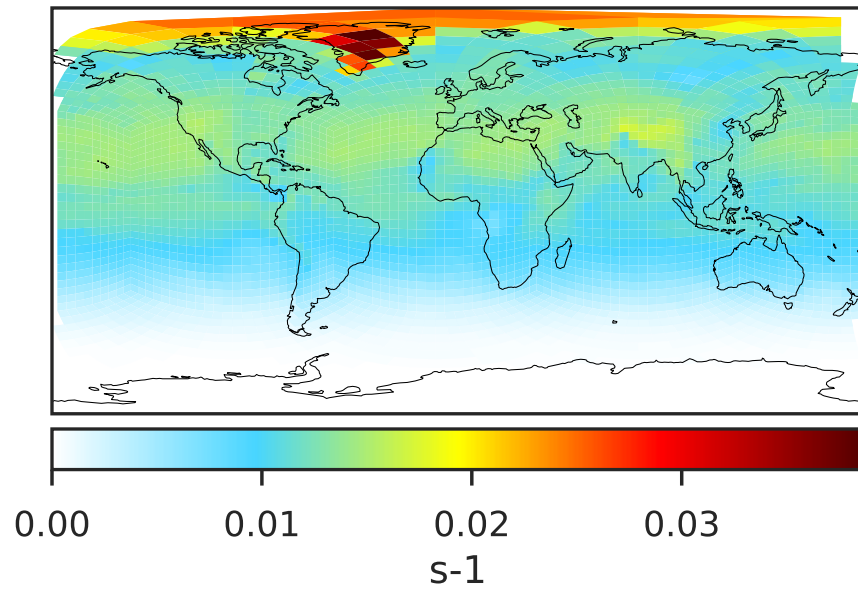
Ratio  
Dev/Ref, Fixed Range



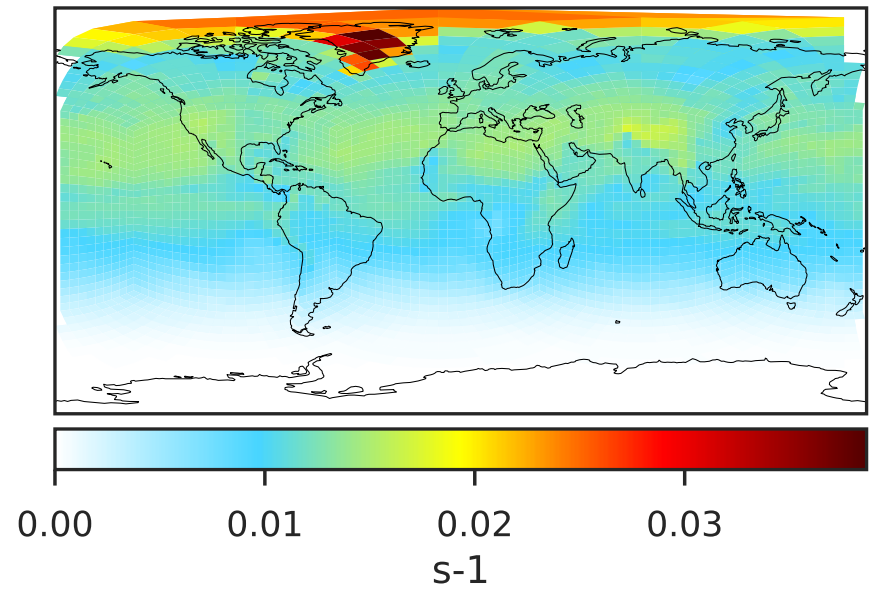


# Jval\_BrO (Jul2019)

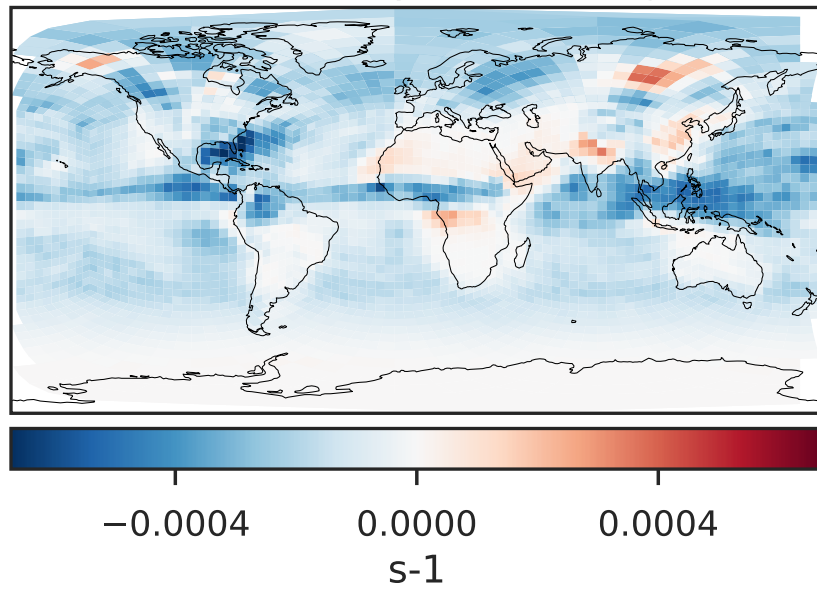
14.2.0-rc.2 (Ref)  
c24



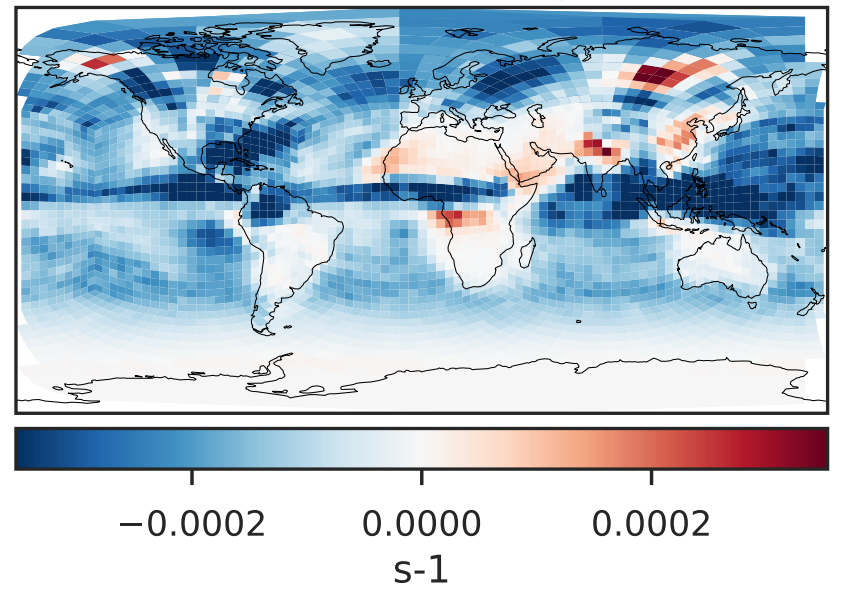
14.3.0-rc.0 (Dev)  
c24



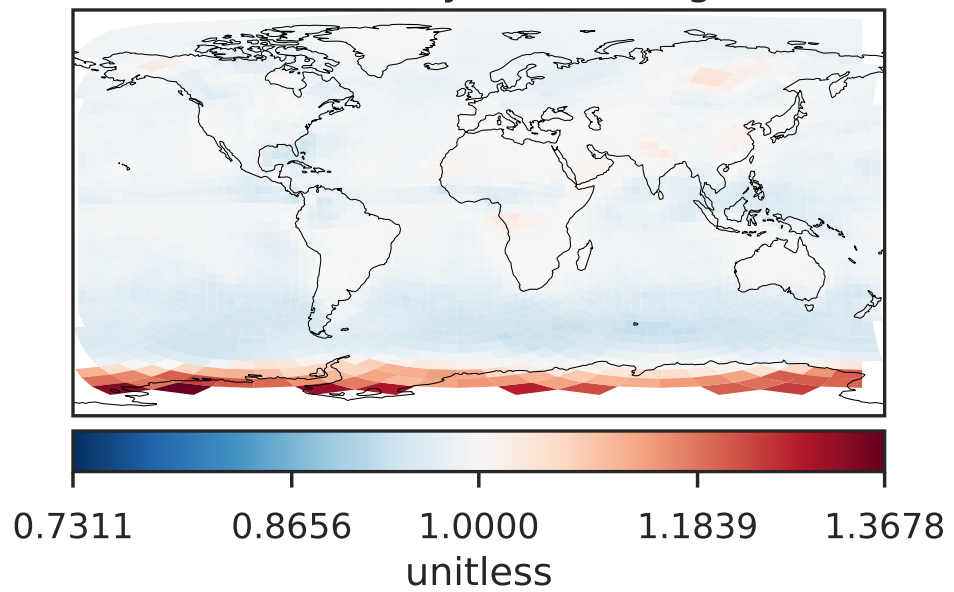
Difference  
Dev - Ref, Dynamic Range



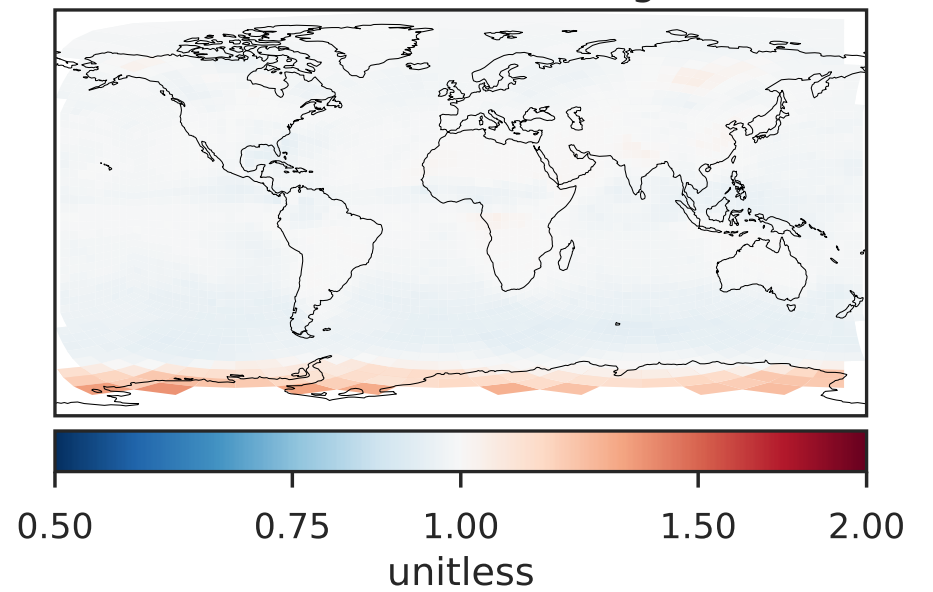
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

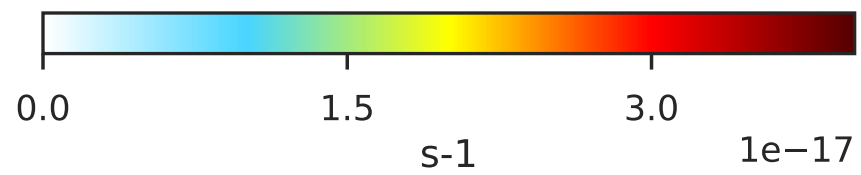
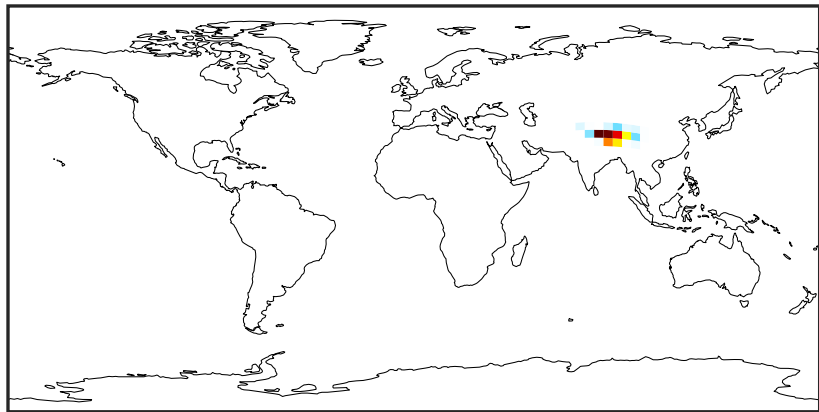


Ratio  
Dev/Ref, Fixed Range

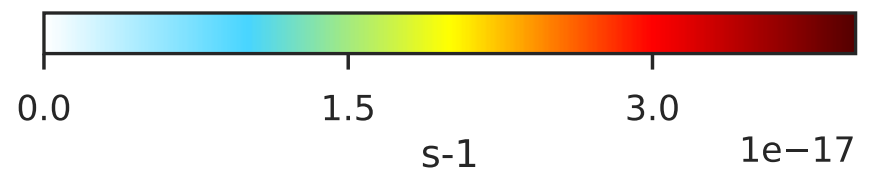
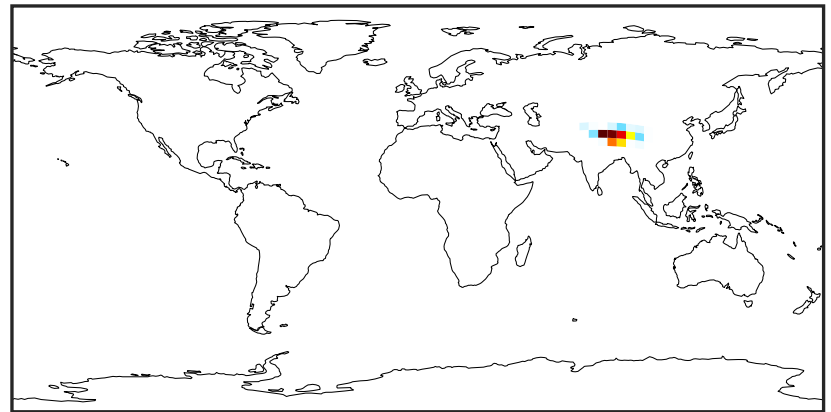


# Jval\_CCI4 (Jul2019)

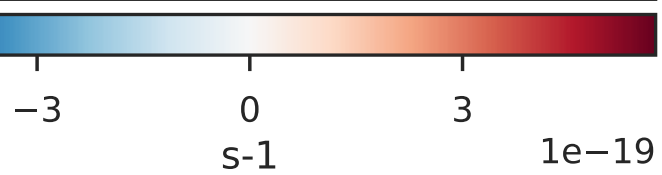
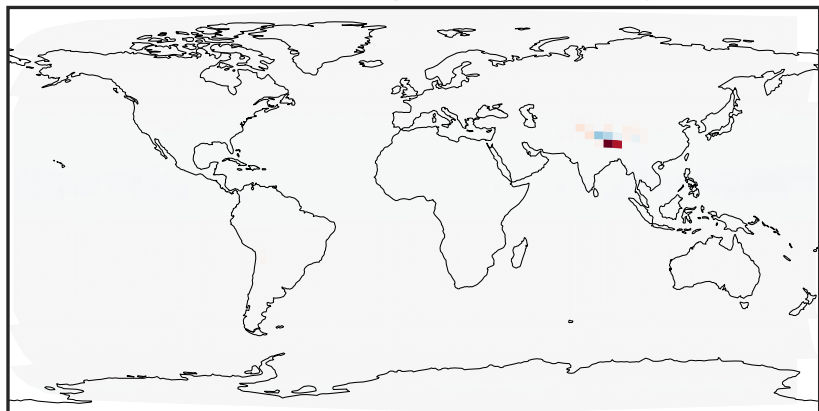
14.2.0-rc.2 (Ref)  
c24



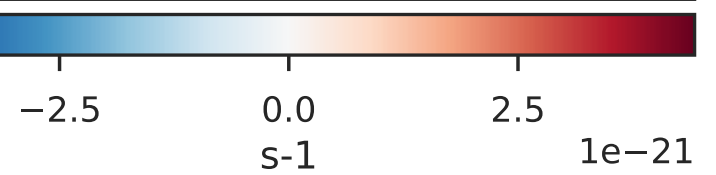
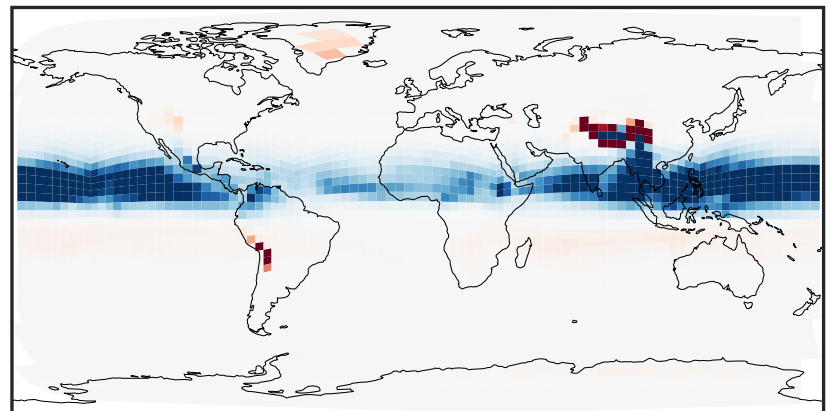
14.3.0-rc.0 (Dev)  
c24



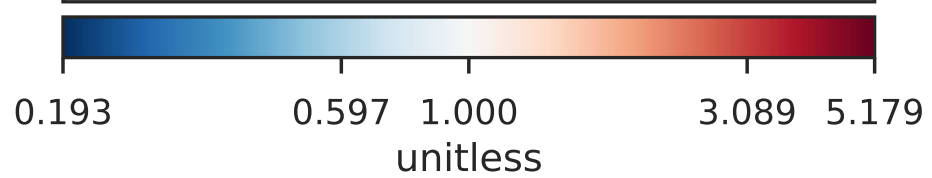
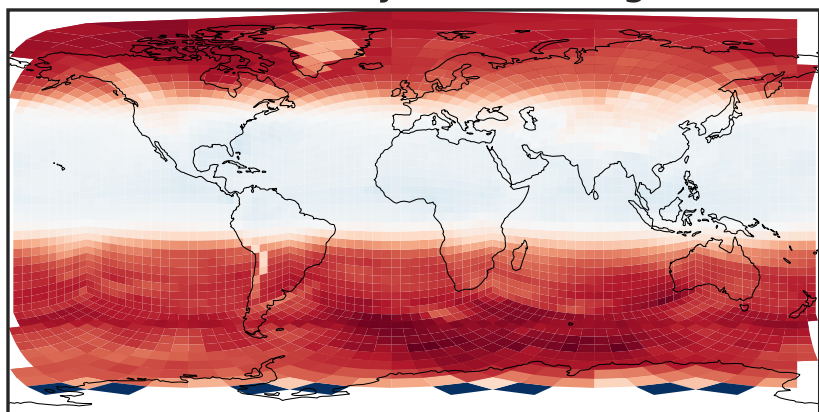
Difference  
Dev - Ref, Dynamic Range



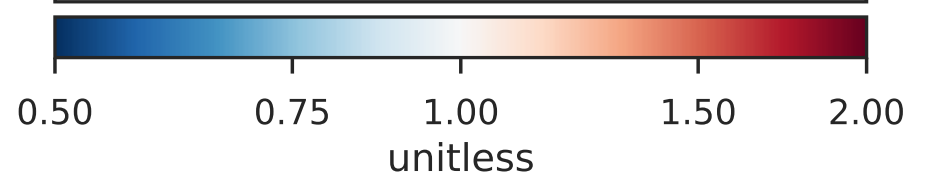
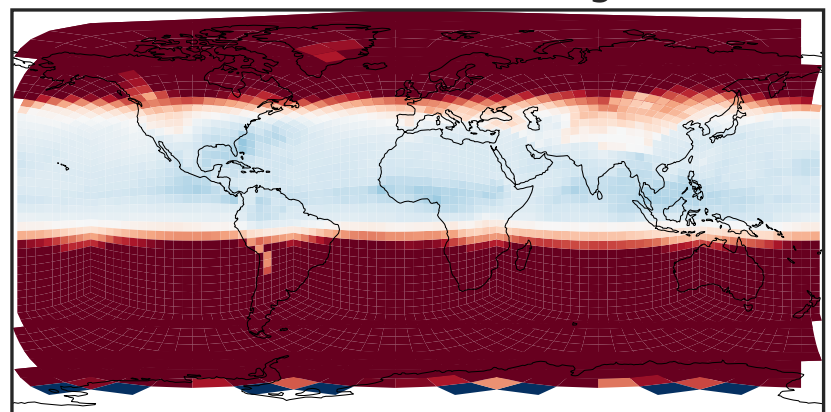
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



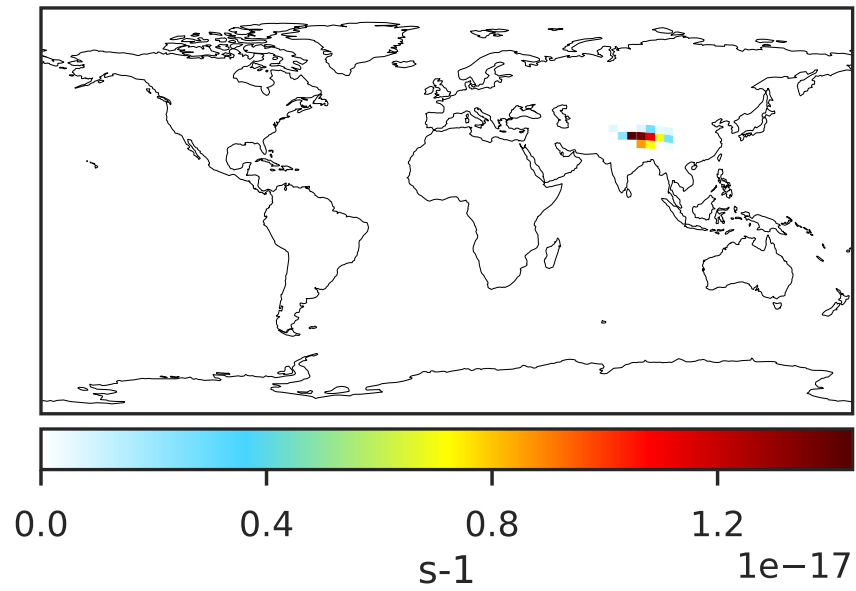
Ratio  
Dev/Ref, Fixed Range



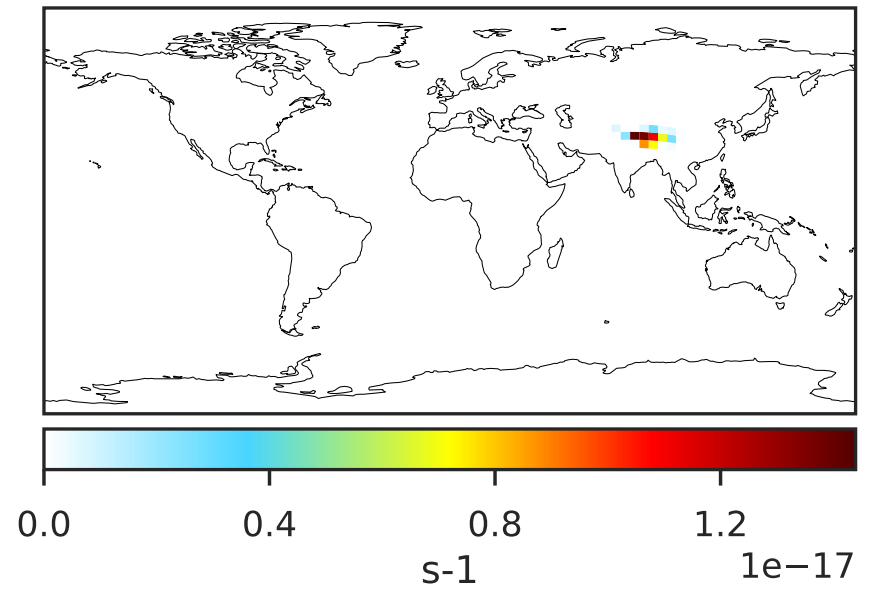


# Jval\_CFC11 (Jul2019)

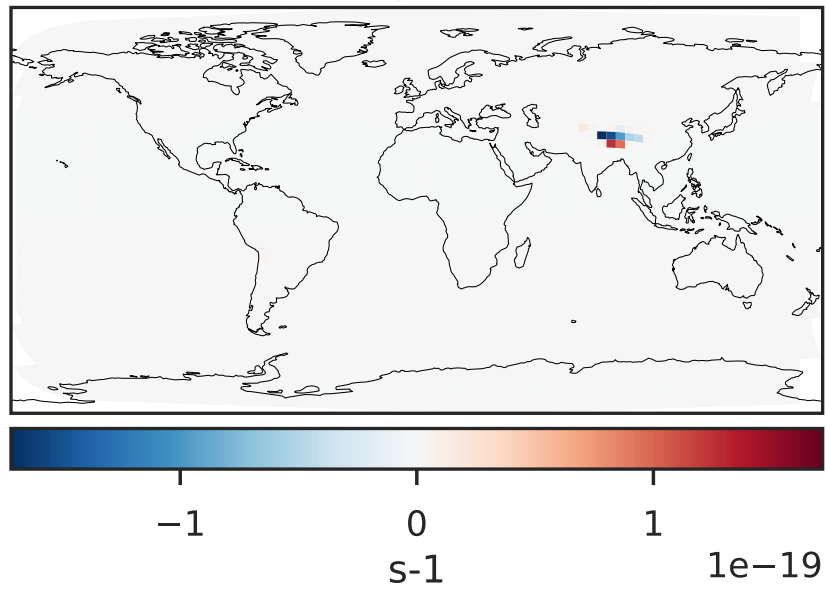
14.2.0-rc.2 (Ref)  
c24



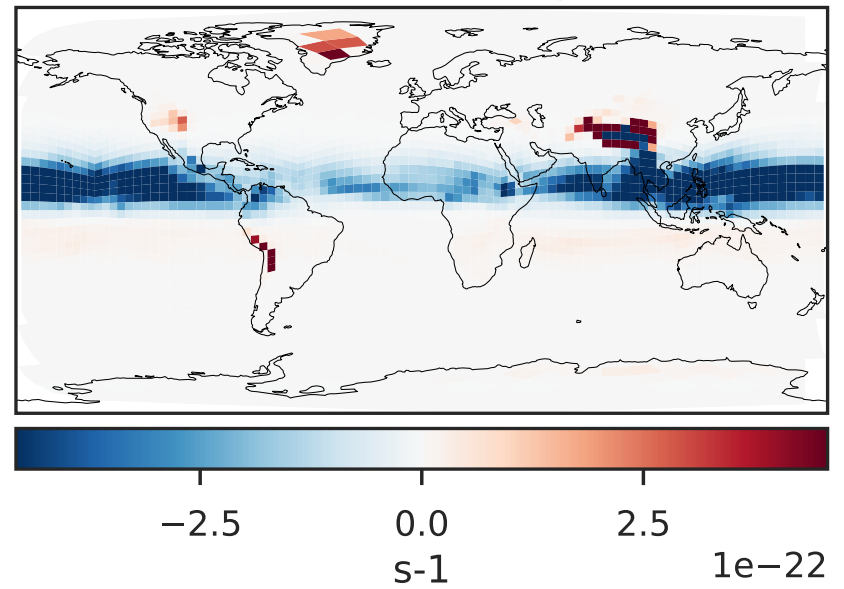
14.3.0-rc.0 (Dev)  
c24



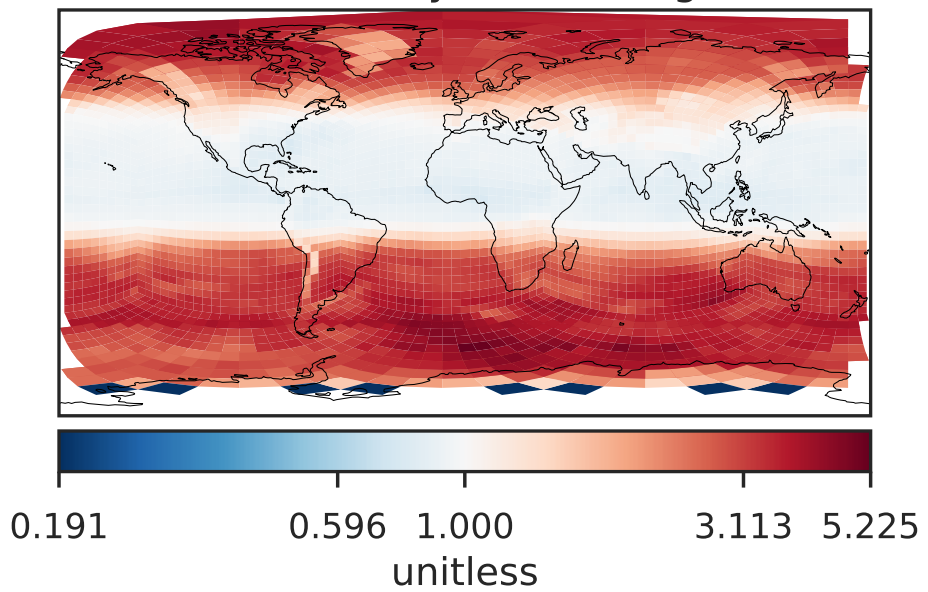
Difference  
Dev - Ref, Dynamic Range



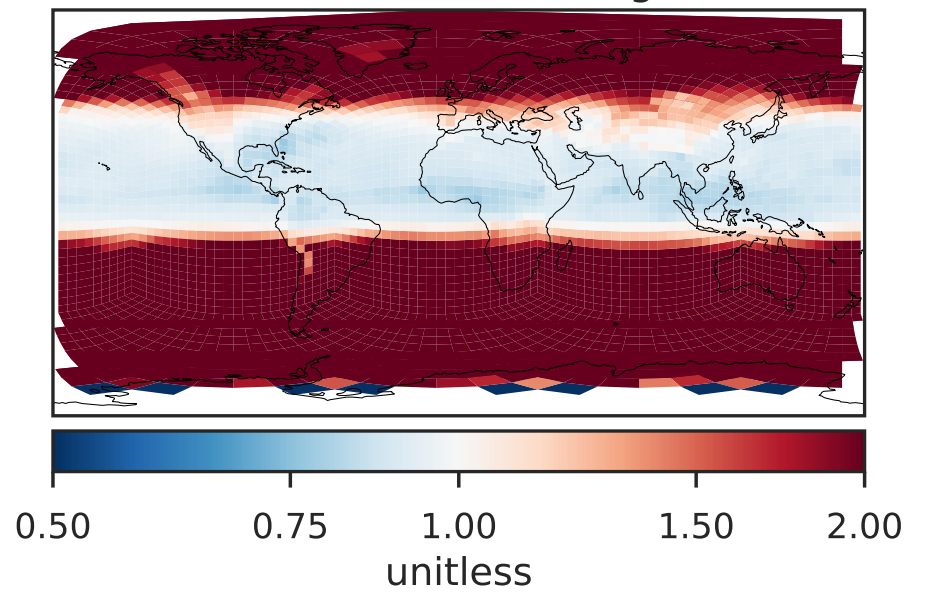
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

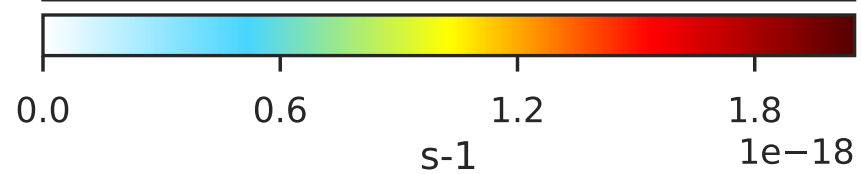
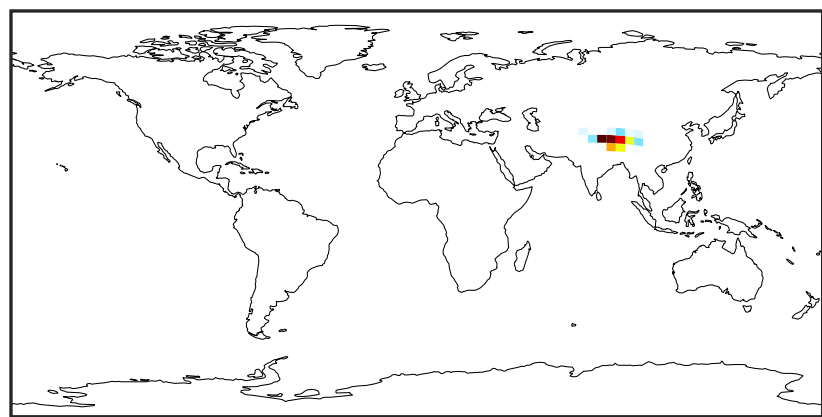


Ratio  
Dev/Ref, Fixed Range

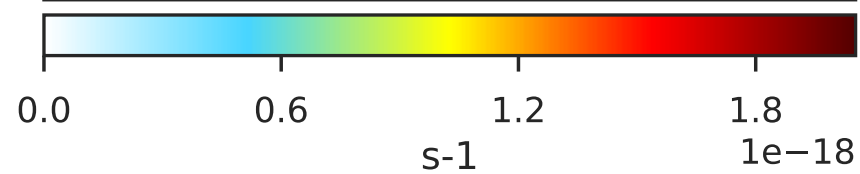
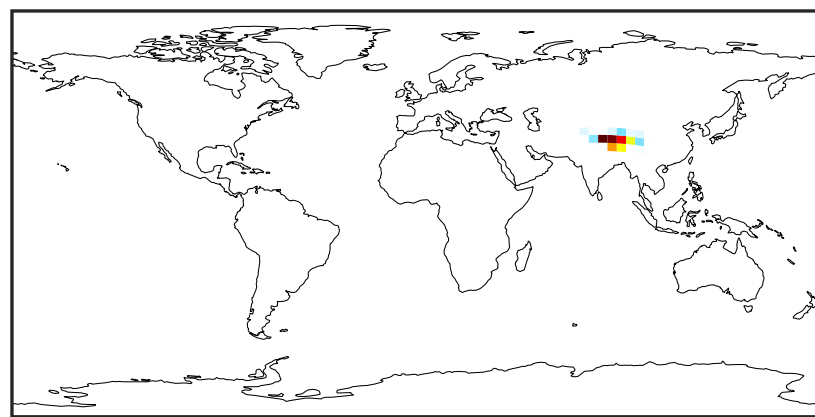


# Jval\_CFC113 (Jul2019)

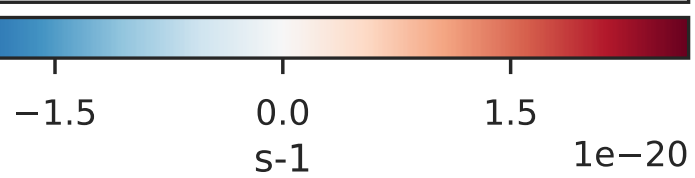
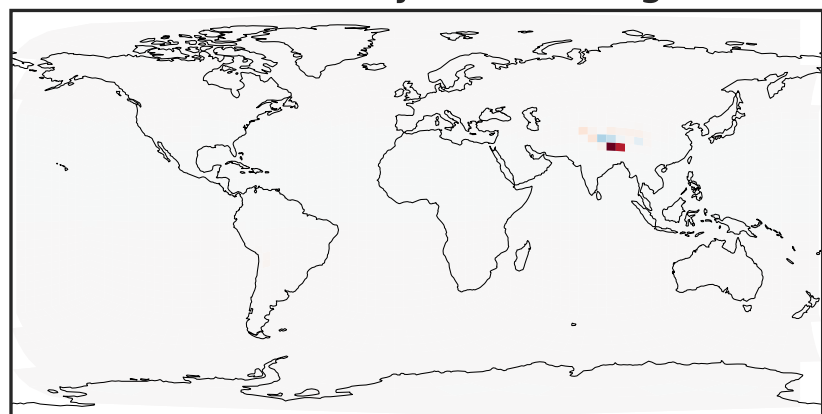
14.2.0-rc.2 (Ref)  
c24



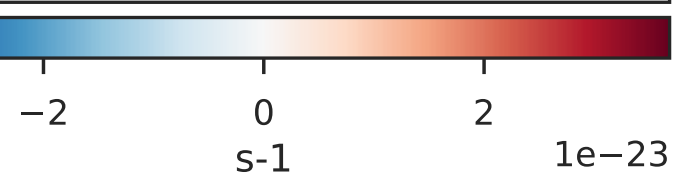
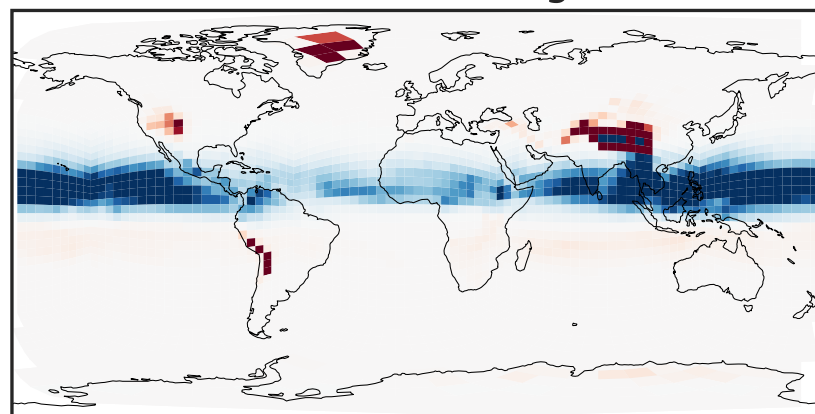
14.3.0-rc.0 (Dev)  
c24



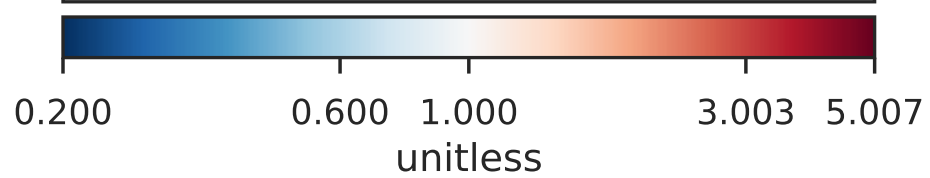
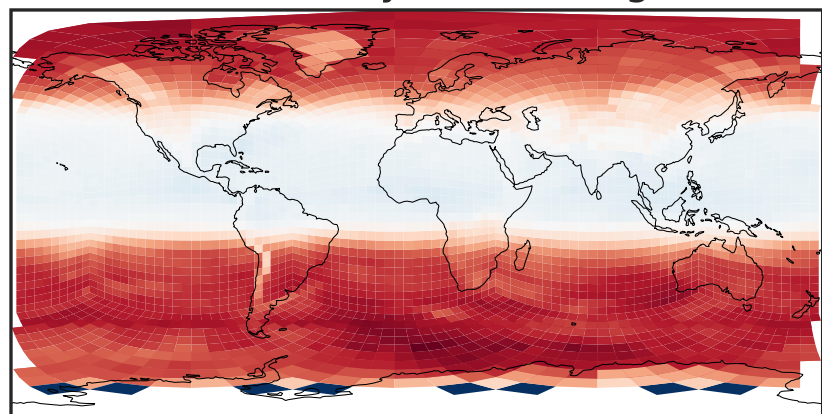
Difference  
Dev - Ref, Dynamic Range



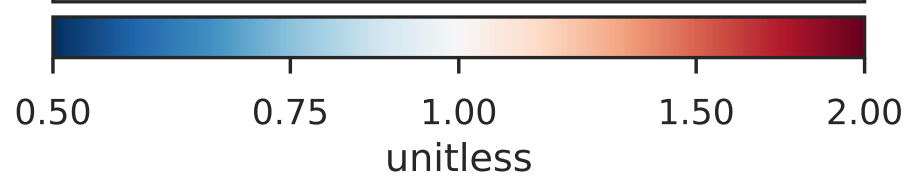
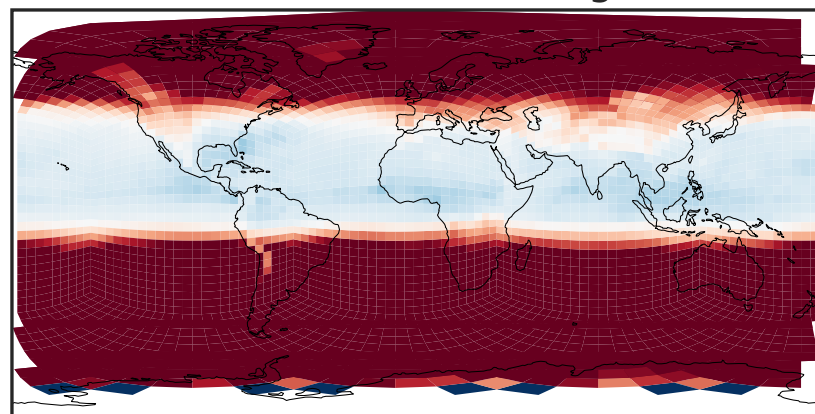
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



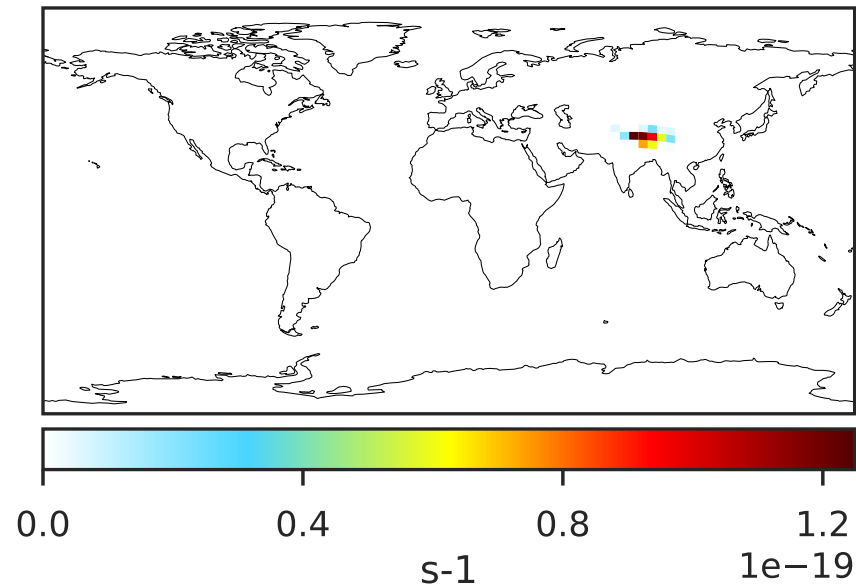
Ratio  
Dev/Ref, Fixed Range



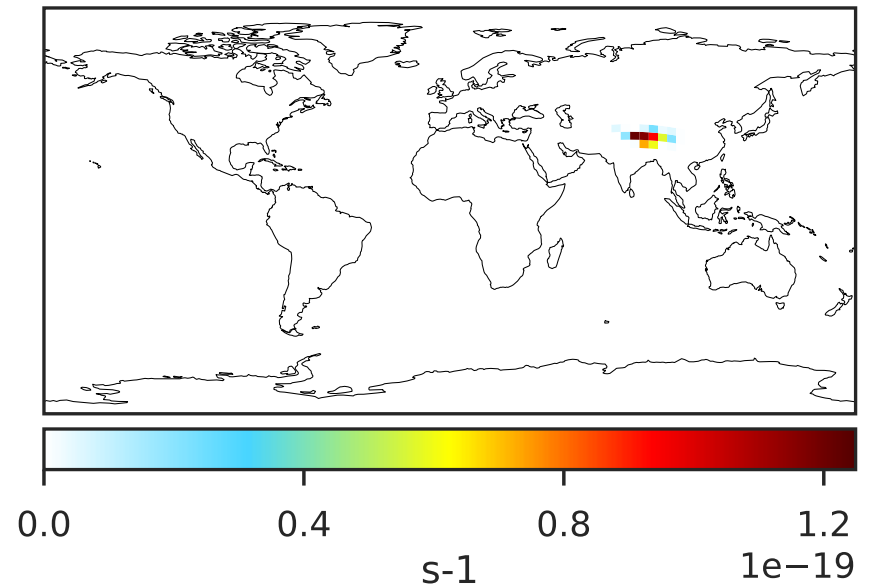


# Jval\_CFC114 (Jul2019)

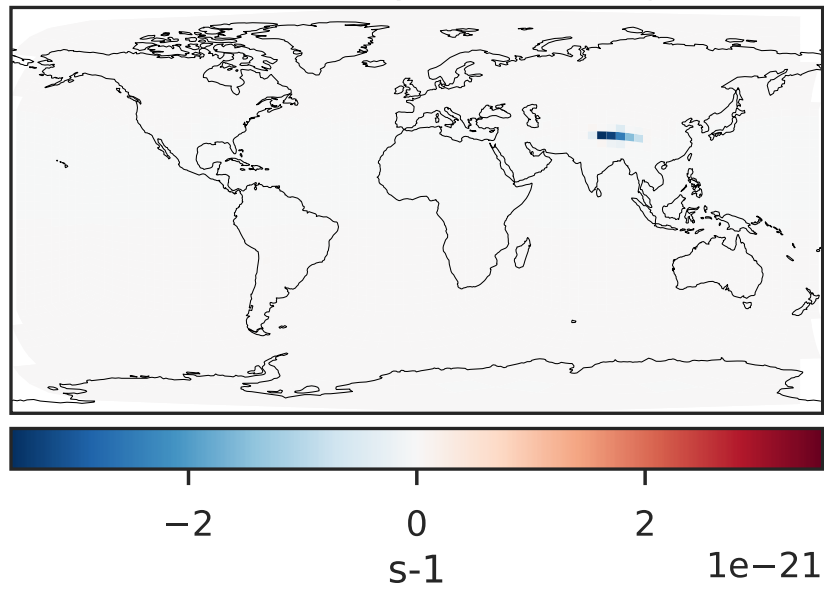
14.2.0-rc.2 (Ref)  
c24



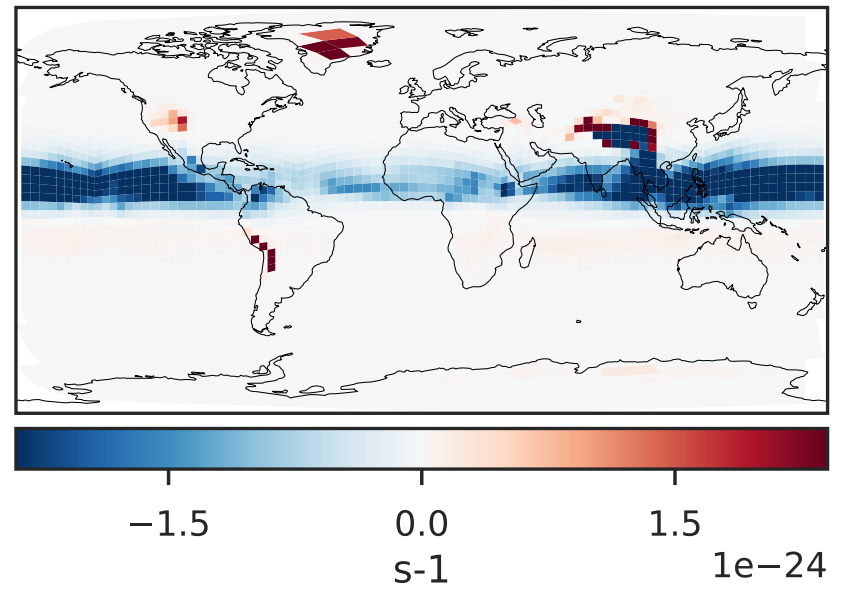
14.3.0-rc.0 (Dev)  
c24



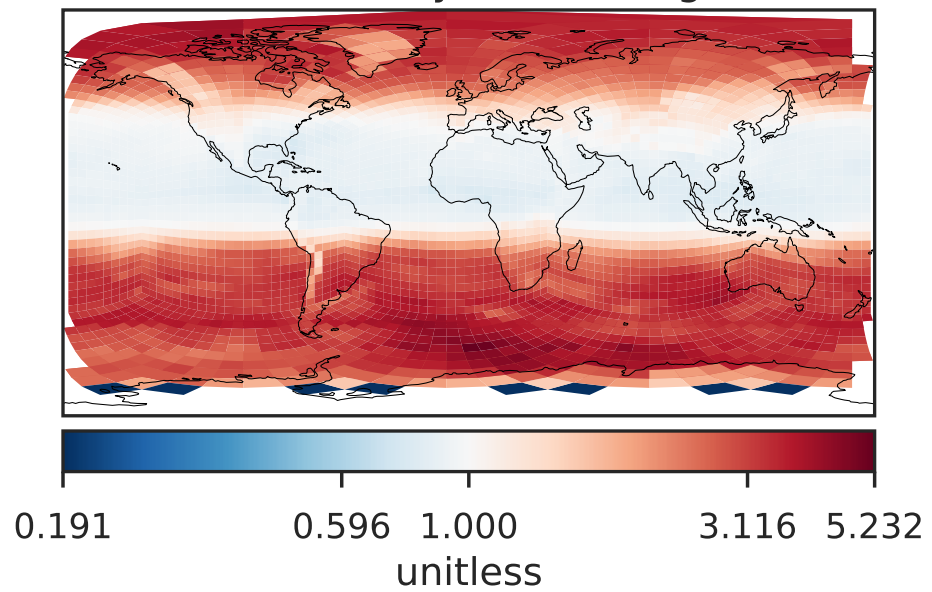
Difference  
Dev - Ref, Dynamic Range



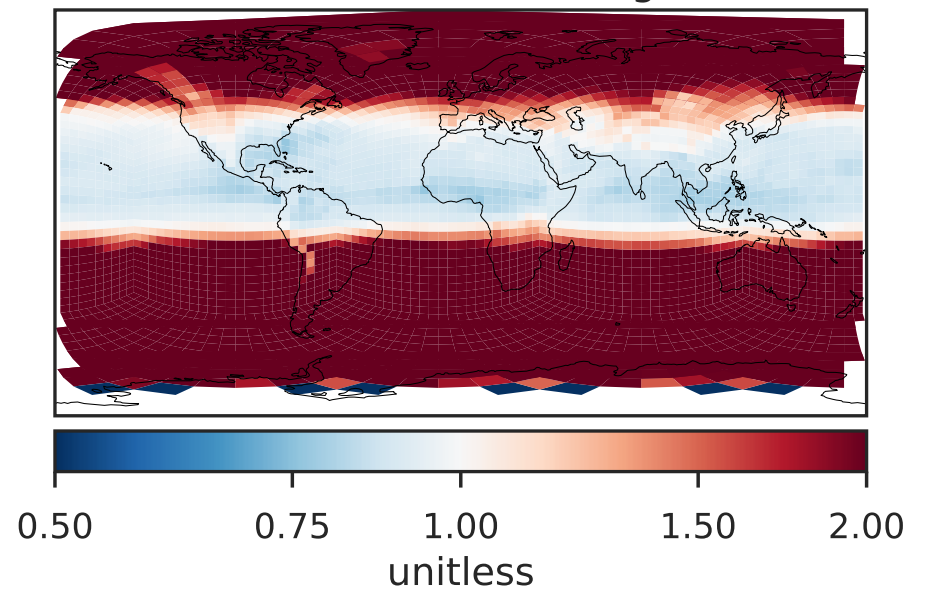
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

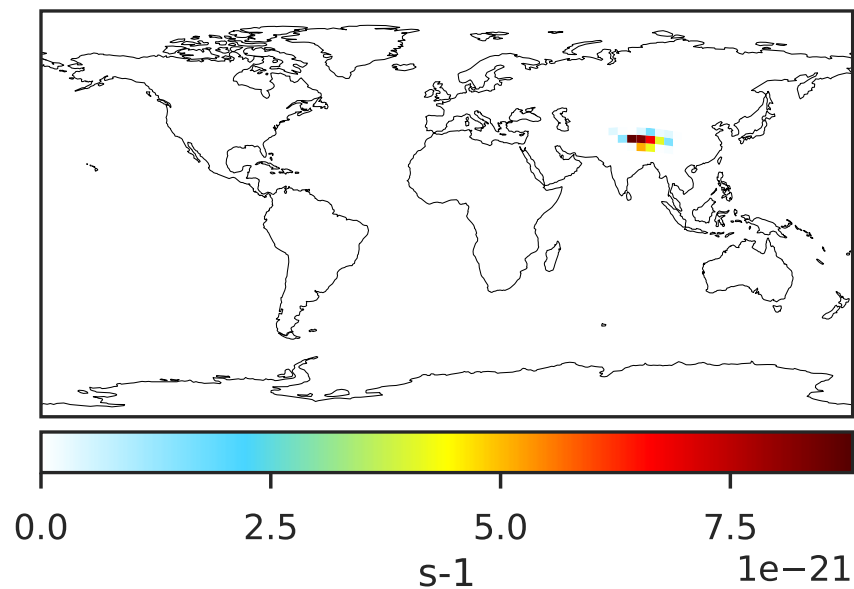


Ratio  
Dev/Ref, Fixed Range

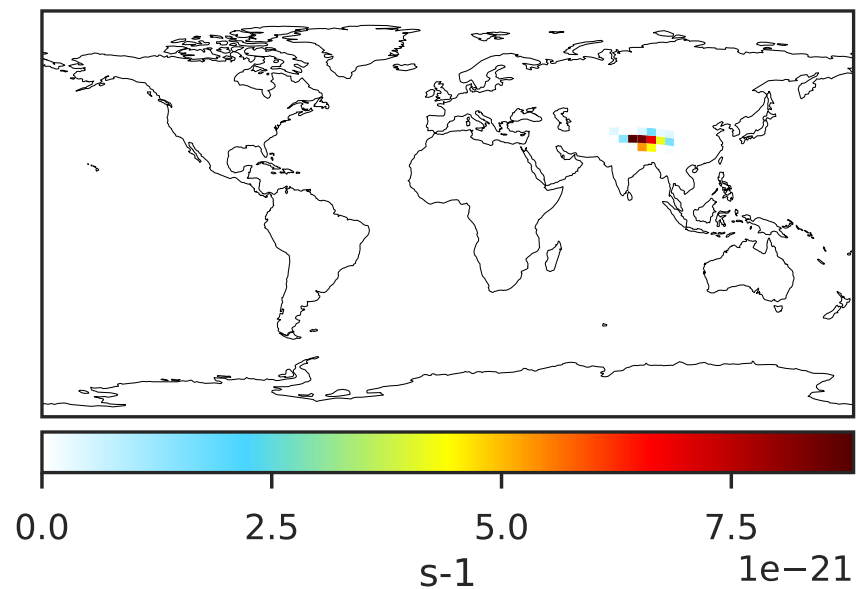


# Jval\_CFC115 (Jul2019)

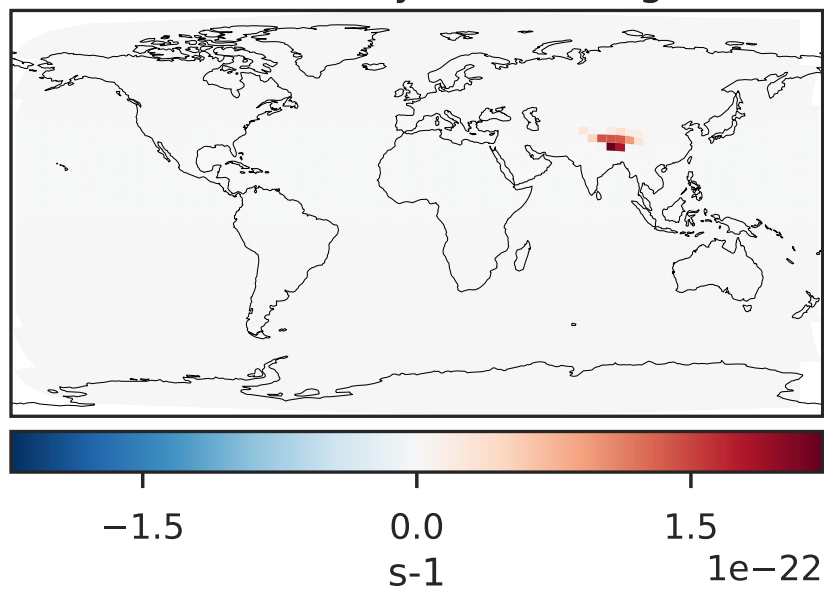
14.2.0-rc.2 (Ref)  
c24



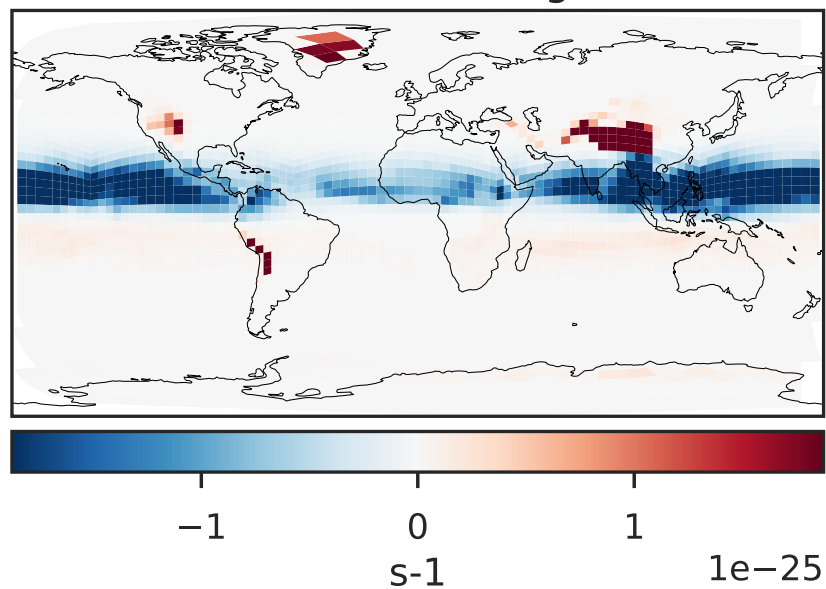
14.3.0-rc.0 (Dev)  
c24



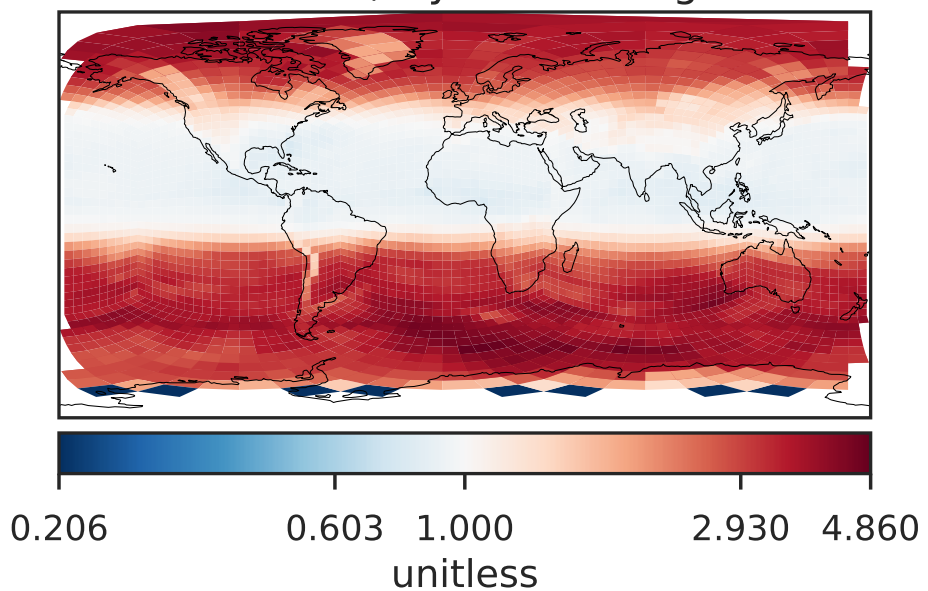
Difference  
Dev - Ref, Dynamic Range



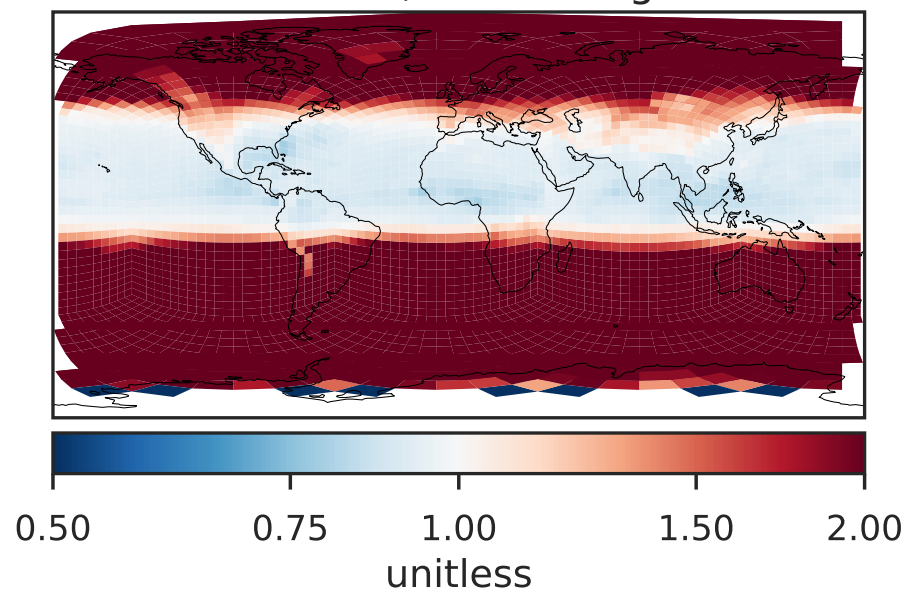
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



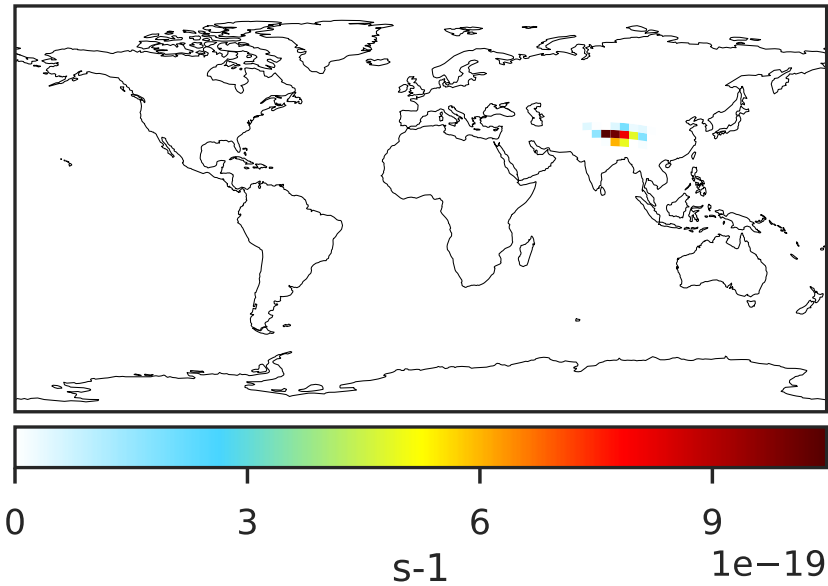
Ratio  
Dev/Ref, Fixed Range



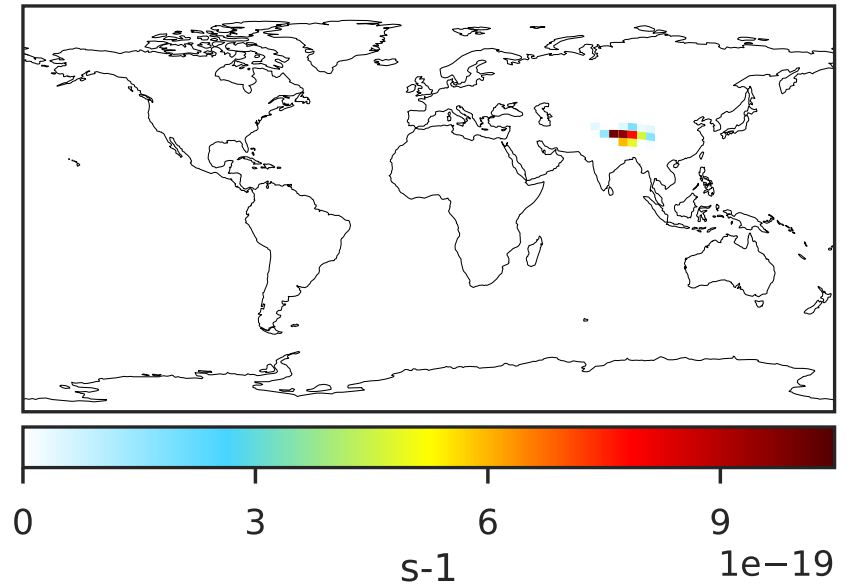


# Jval\_CFC12 (Jul2019)

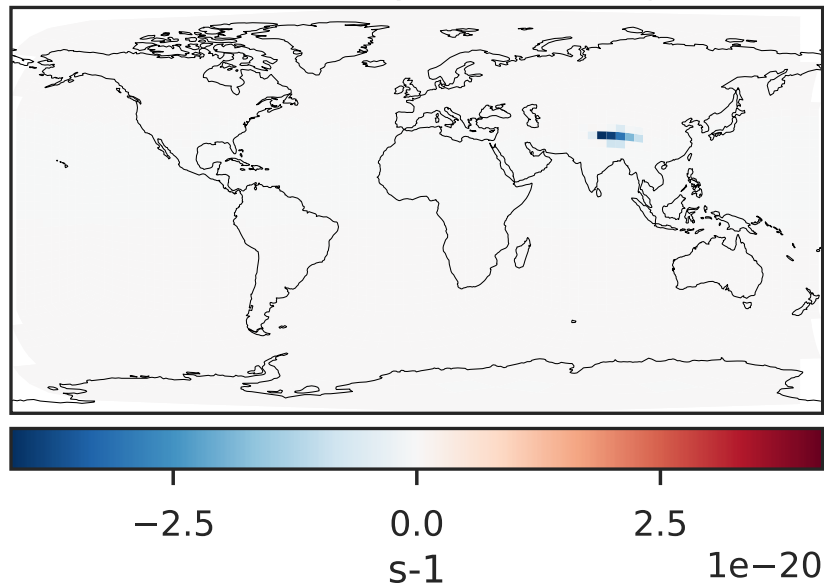
14.2.0-rc.2 (Ref)  
c24



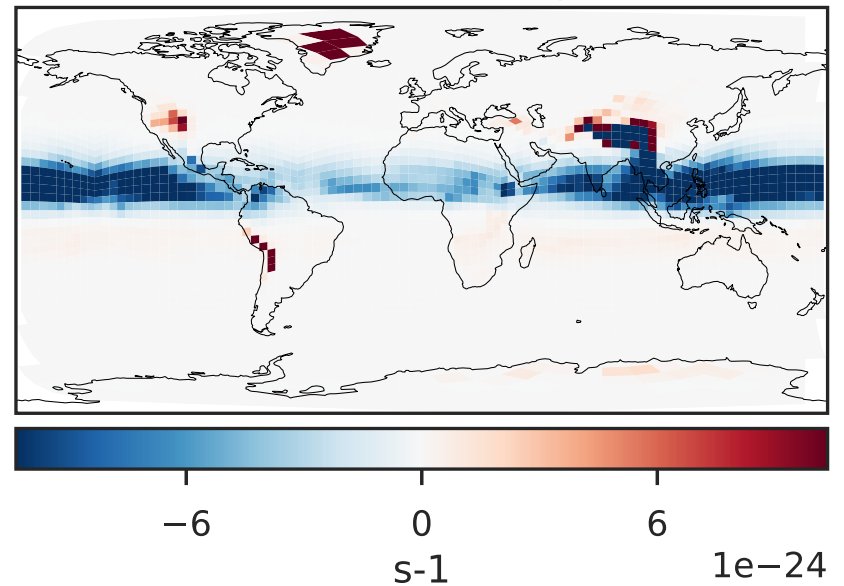
14.3.0-rc.0 (Dev)  
c24



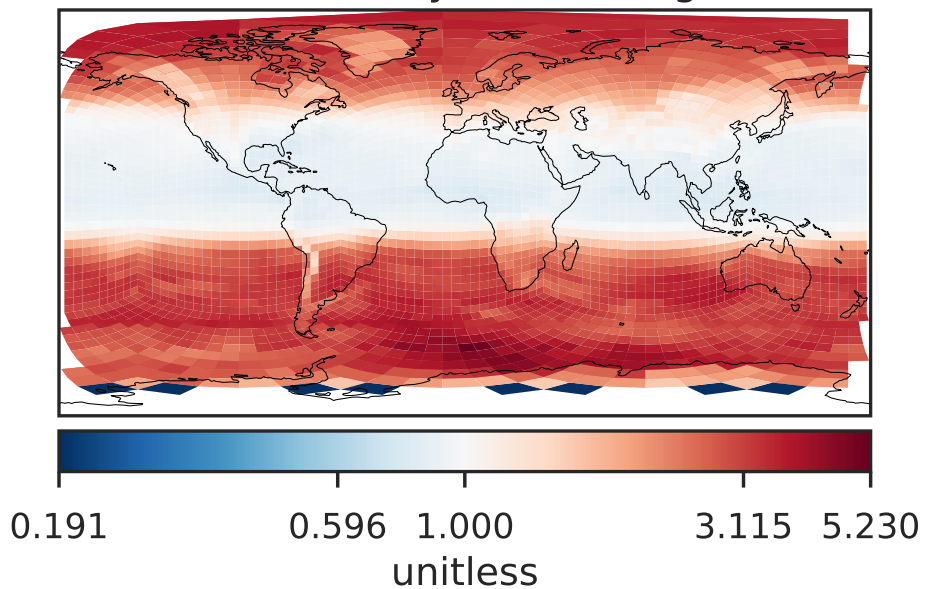
Difference  
Dev - Ref, Dynamic Range



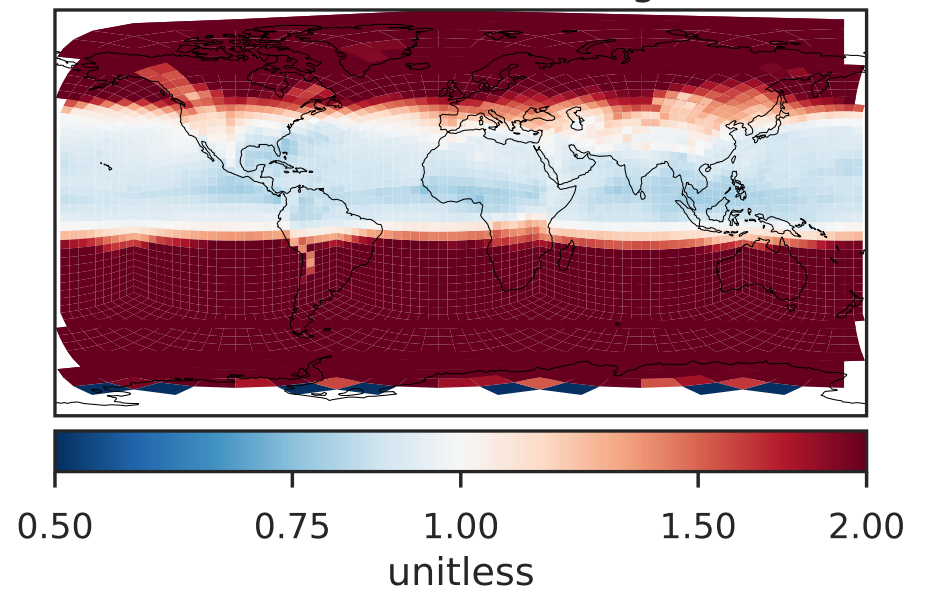
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

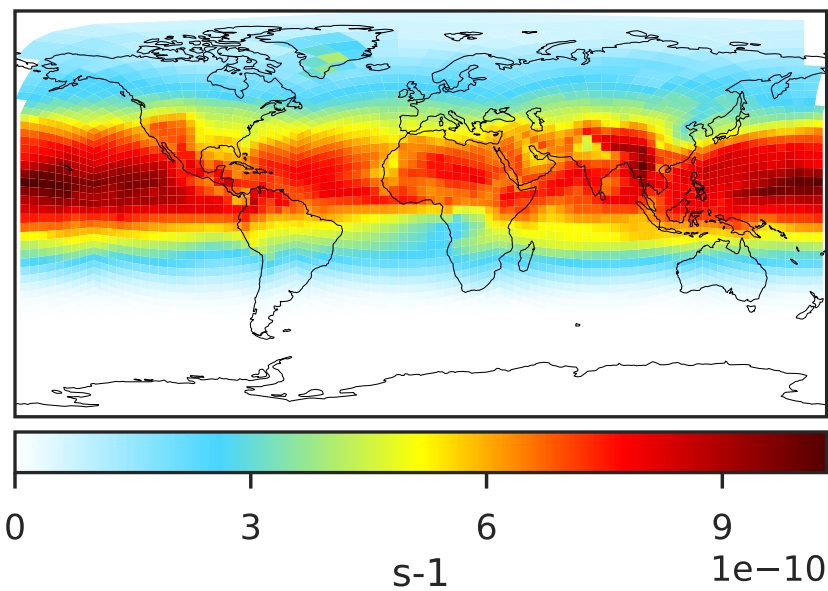


Ratio  
Dev/Ref, Fixed Range

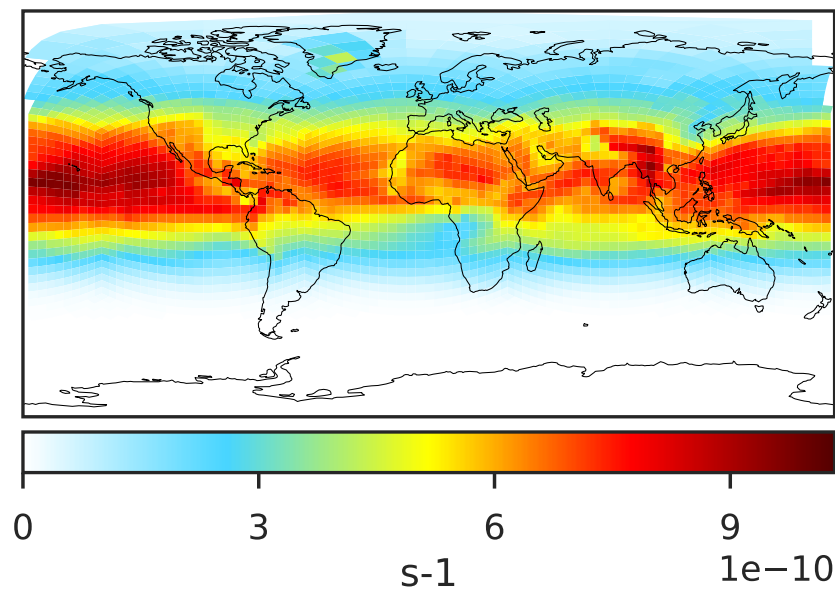


# Jval\_CH2Br2 (Jul2019)

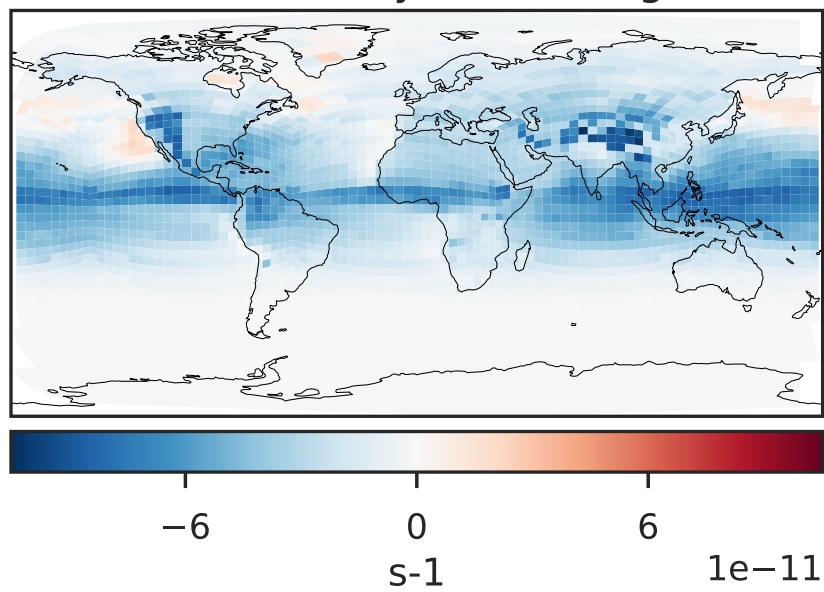
14.2.0-rc.2 (Ref)  
c24



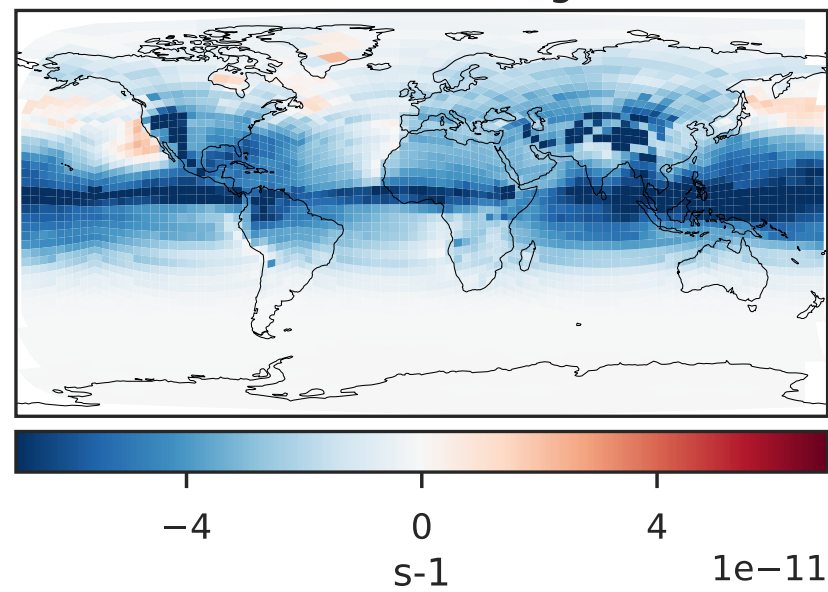
14.3.0-rc.0 (Dev)  
c24



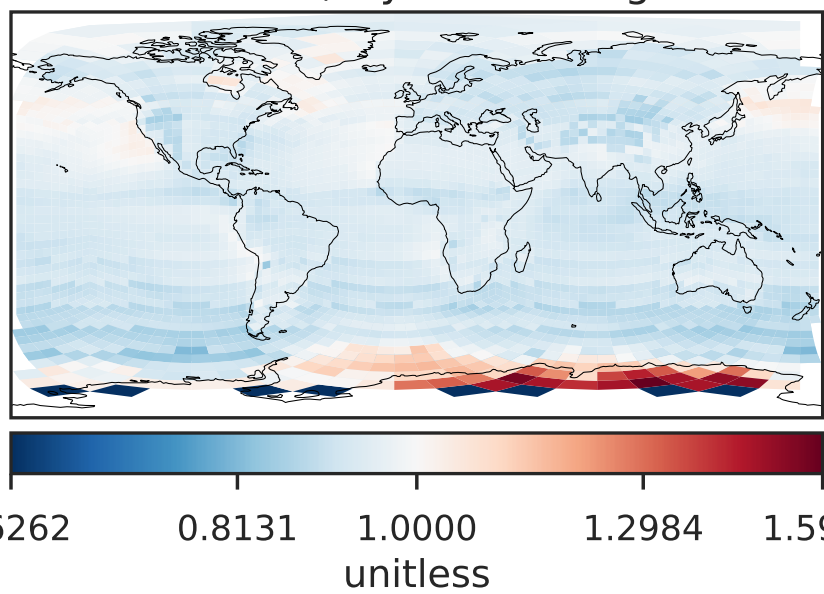
Difference  
Dev - Ref, Dynamic Range



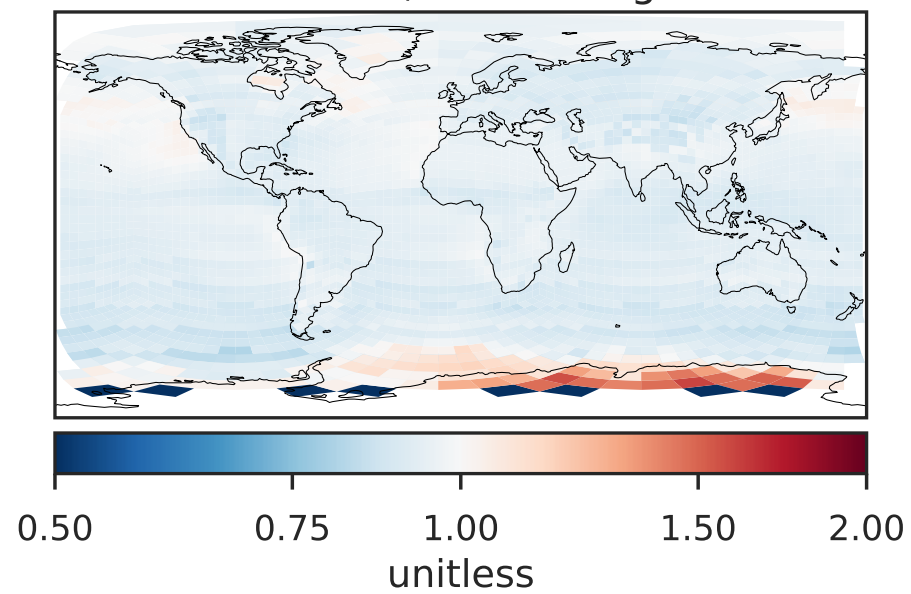
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



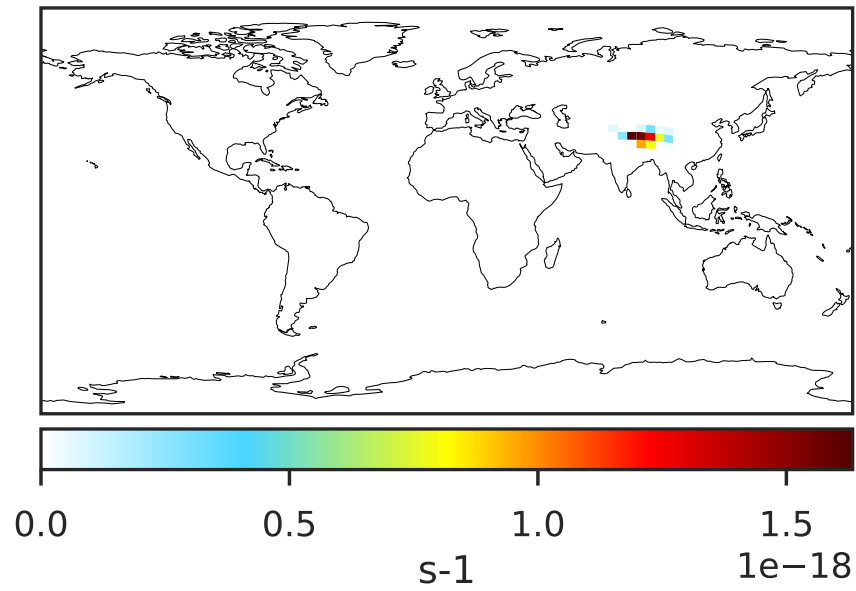
Ratio  
Dev/Ref, Fixed Range



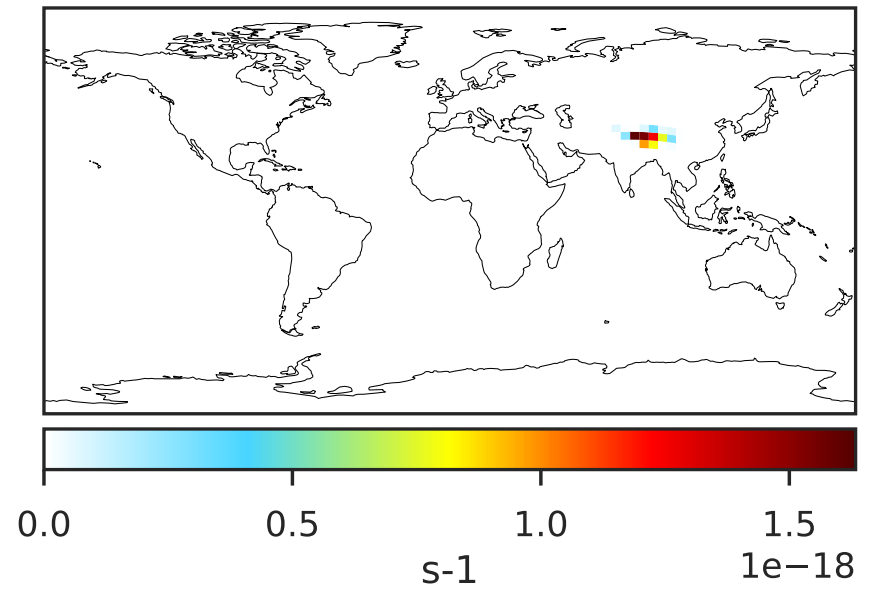


# Jval\_CH2Cl2 (Jul2019)

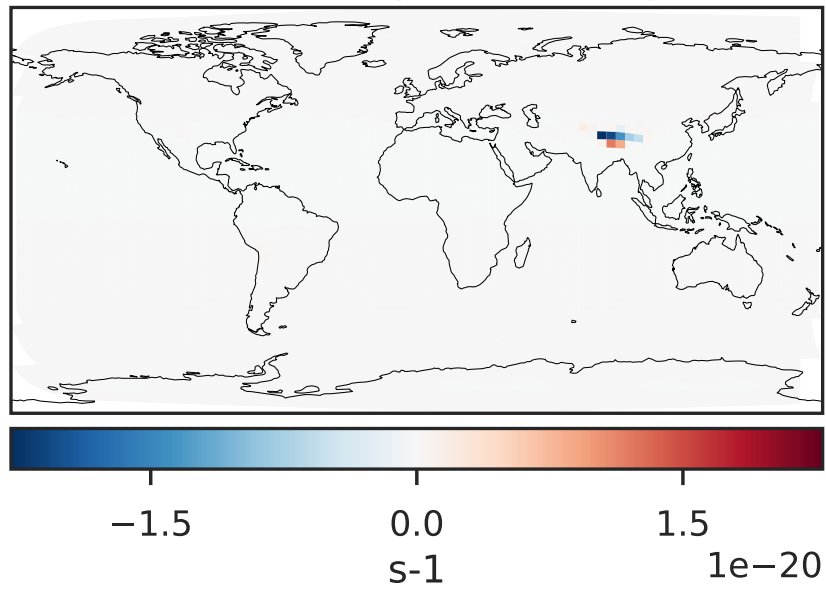
14.2.0-rc.2 (Ref)  
c24



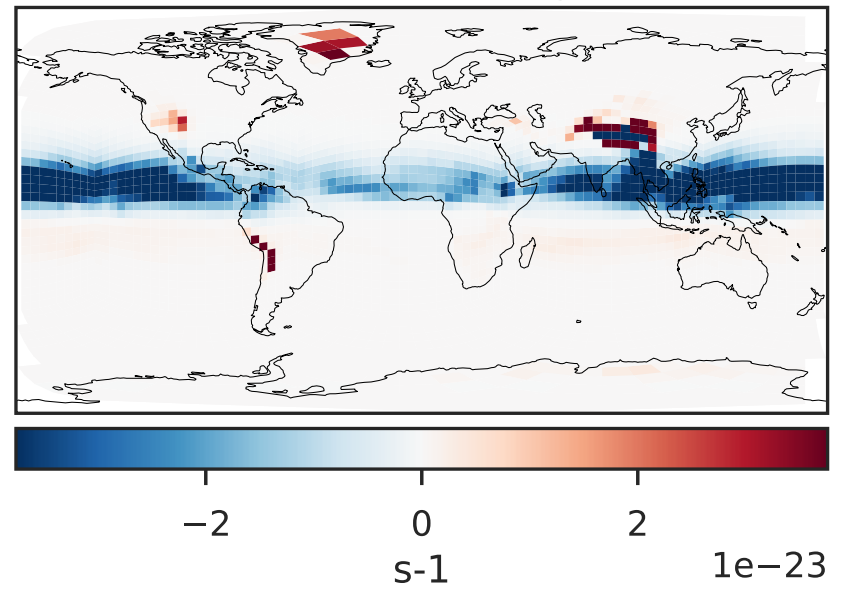
14.3.0-rc.0 (Dev)  
c24



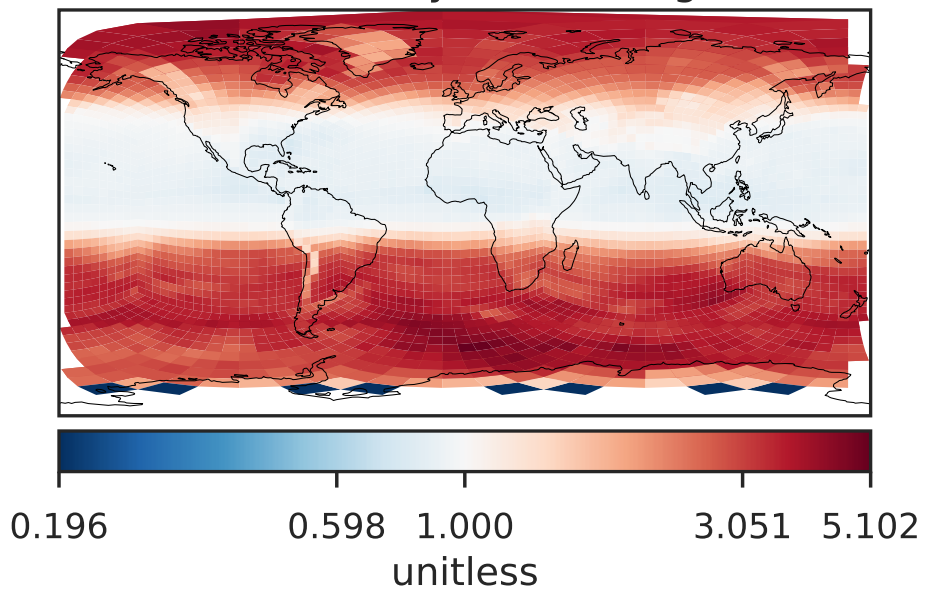
Difference  
Dev - Ref, Dynamic Range



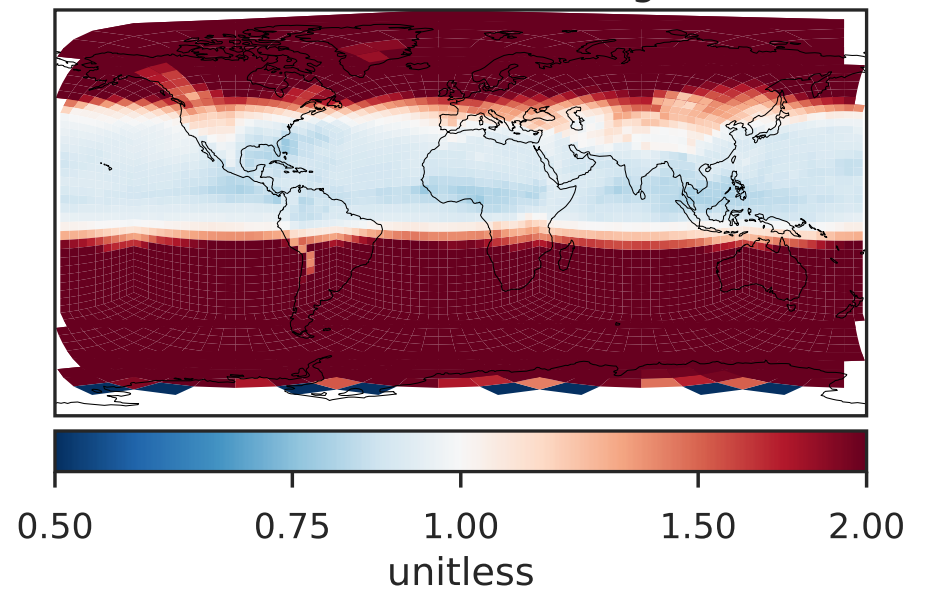
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

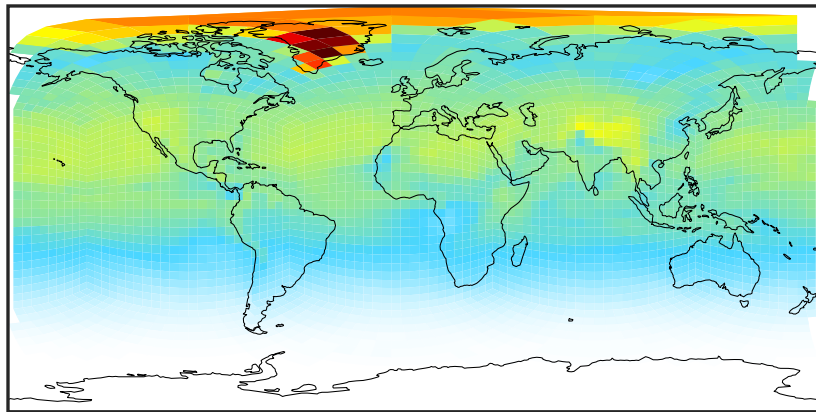


Ratio  
Dev/Ref, Fixed Range



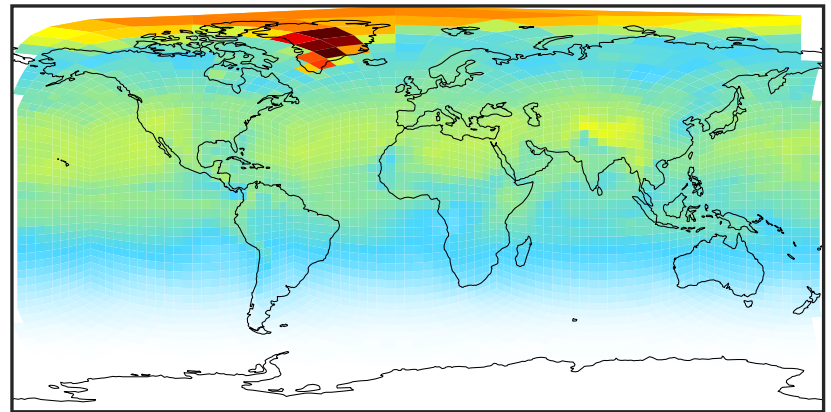
# Jval\_CH2I2 (Jul2019)

14.2.0-rc.2 (Ref)  
c24



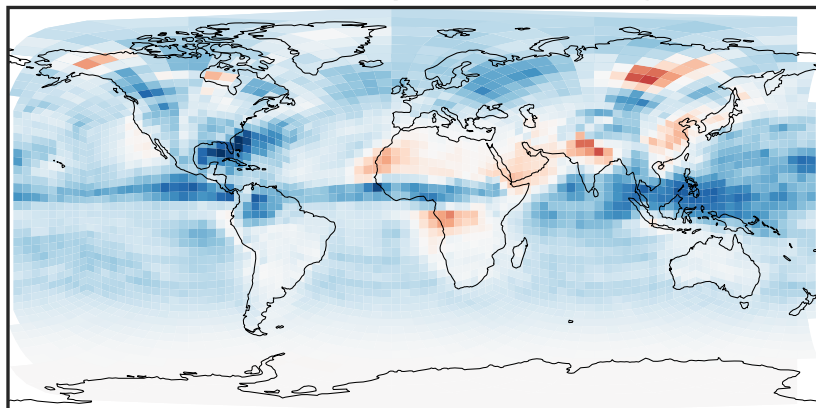
0.000 0.002 0.004 0.006  
s-1

14.3.0-rc.0 (Dev)  
c24



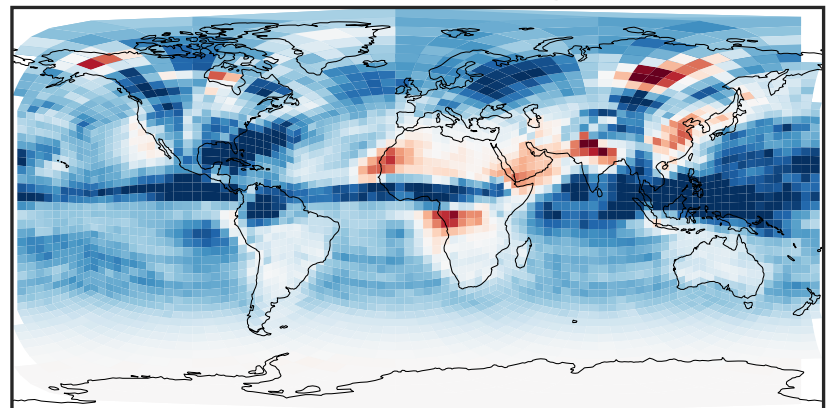
0.000 0.002 0.004 0.006  
s-1

Difference  
Dev - Ref, Dynamic Range



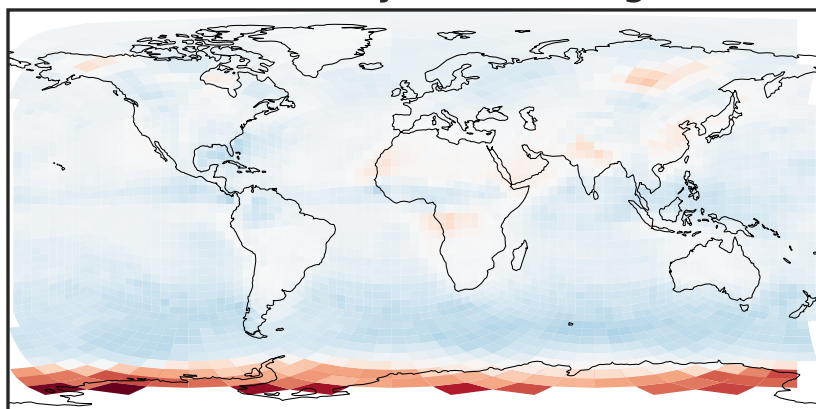
-8 0 8  
s-1 1e-5

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



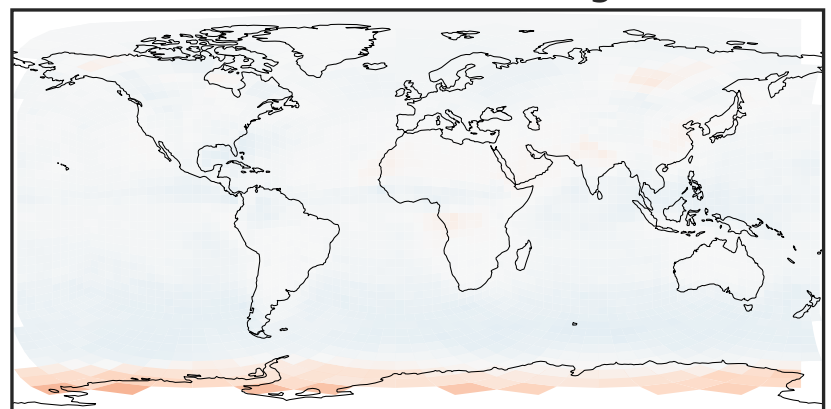
-5 0 5  
s-1 1e-5

Ratio  
Dev/Ref, Dynamic Range



0.7889 0.8944 1.000 1.1338 1.2676  
unitless

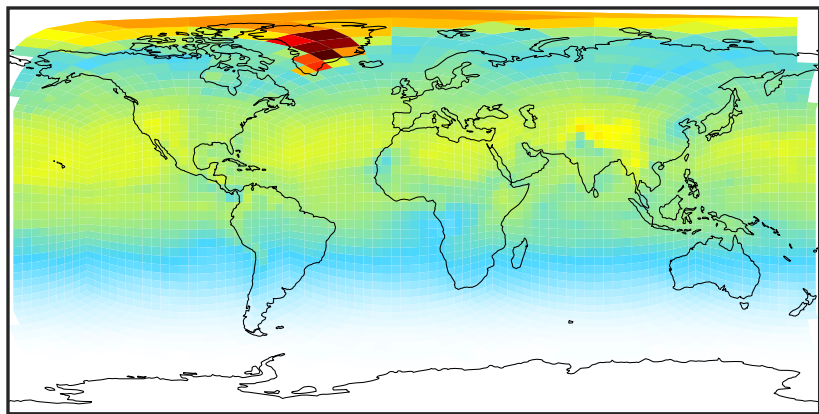
Ratio  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

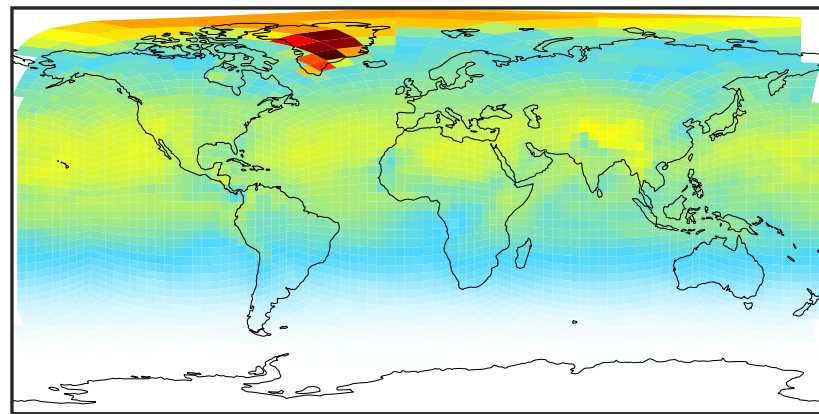
# Jval\_CH2IBr (Jul2019)

14.2.0-rc.2 (Ref)  
c24



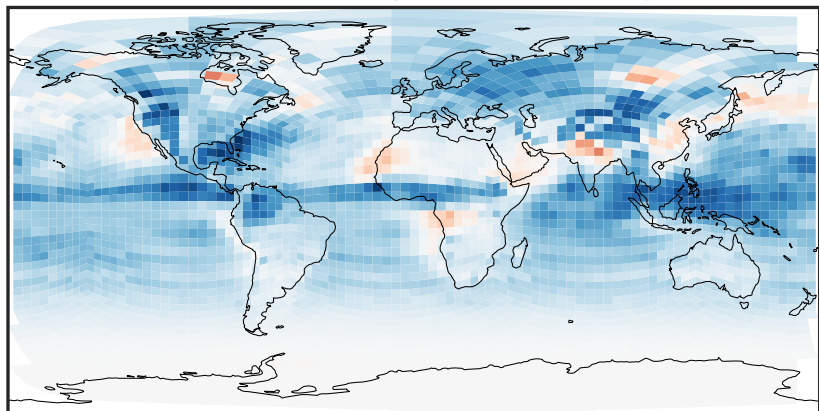
0.00000 0.00015 0.00030  
s-1

14.3.0-rc.0 (Dev)  
c24



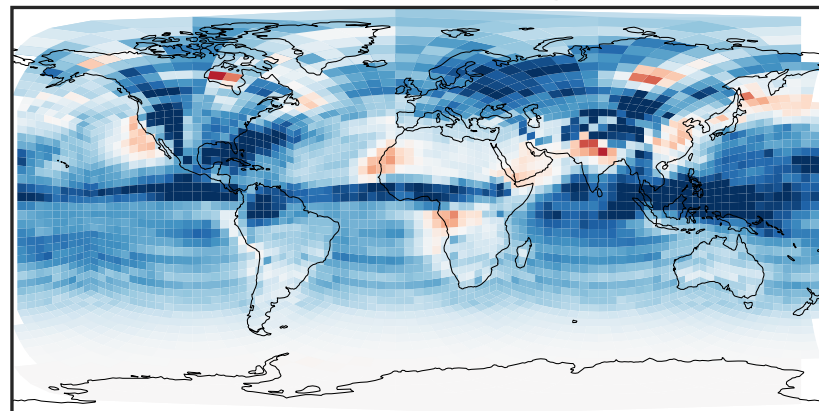
0.00000 0.00015 0.00030  
s-1

Difference  
Dev - Ref, Dynamic Range



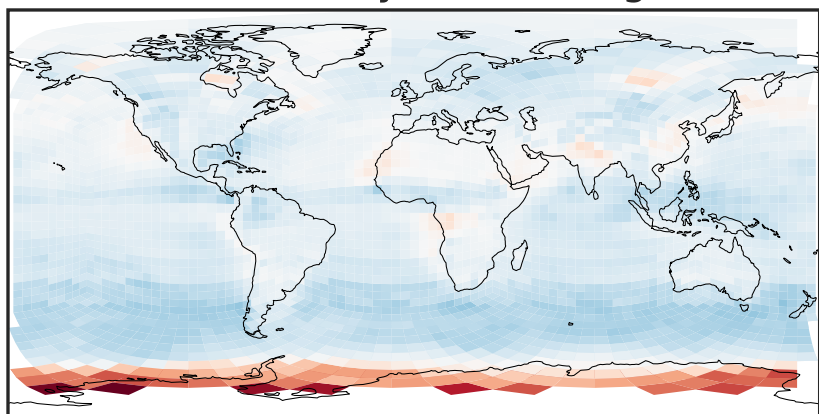
-6 0 6  
s-1 1e-6

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



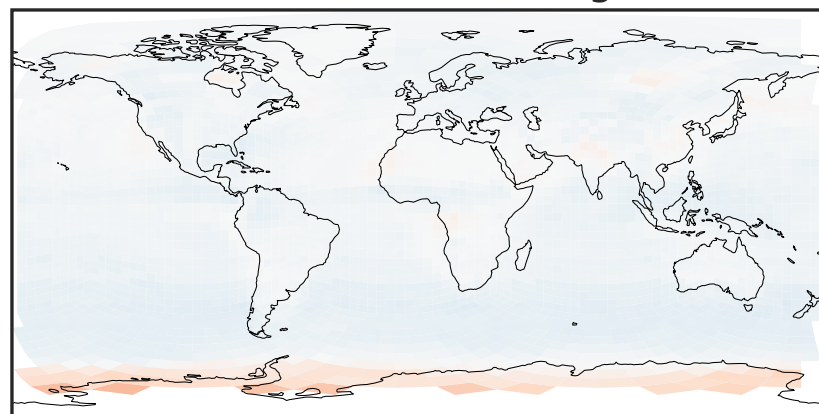
-4 0 4  
s-1 1e-6

Ratio  
Dev/Ref, Dynamic Range



0.8042 0.9021 1.0000 1.1217 1.2434  
unitless

Ratio  
Dev/Ref, Fixed Range

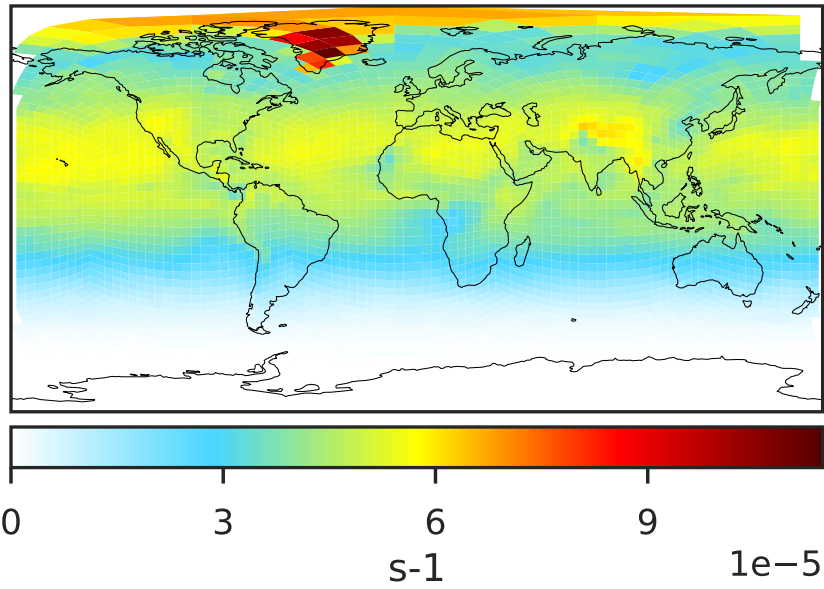


0.50 0.75 1.00 1.50 2.00  
unitless

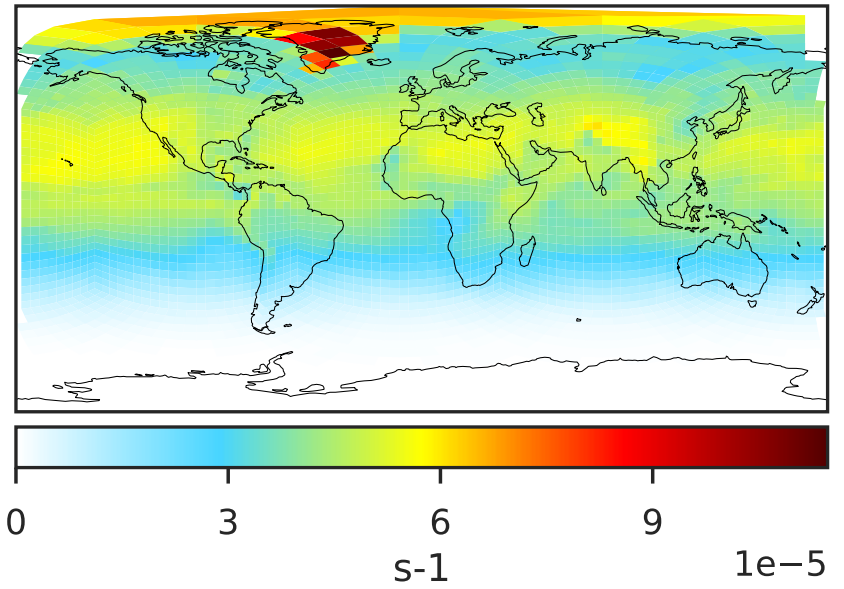


# Jval\_CH2ICI (Jul2019)

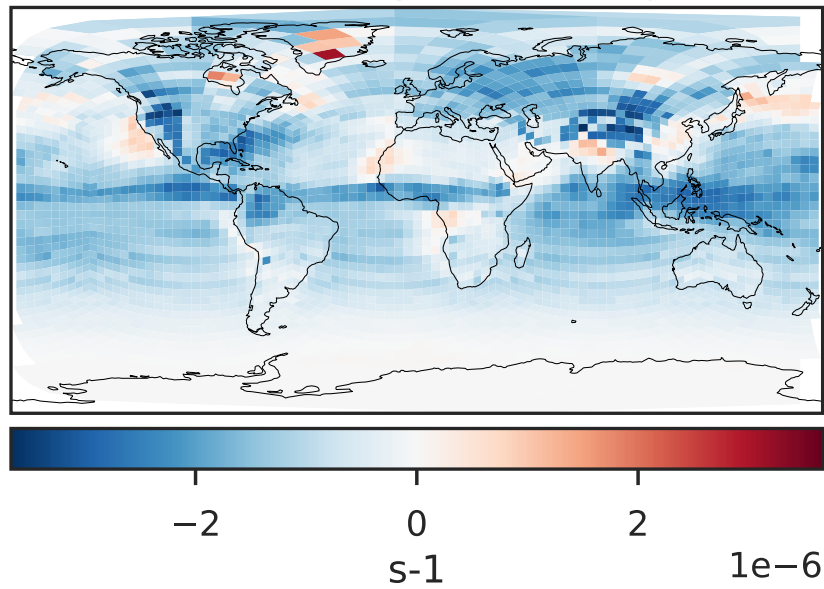
14.2.0-rc.2 (Ref)  
c24



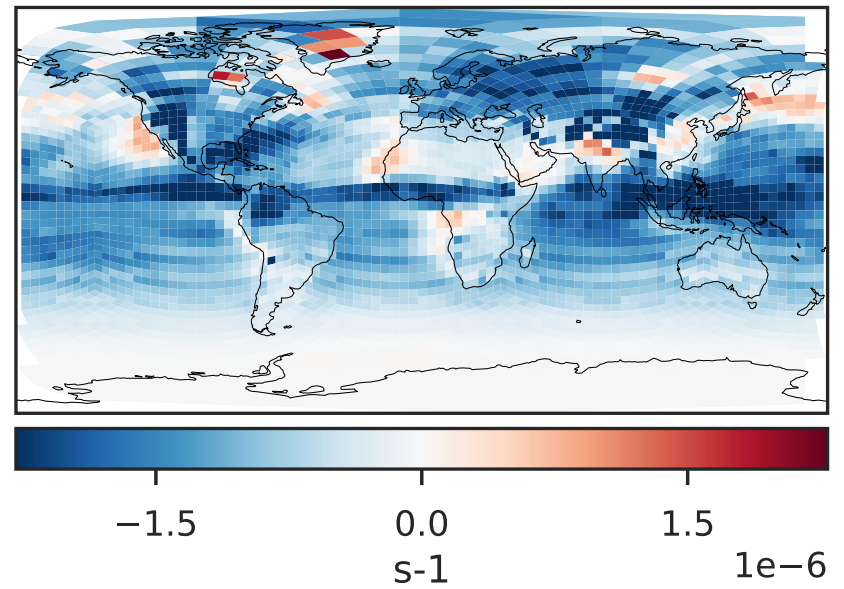
14.3.0-rc.0 (Dev)  
c24



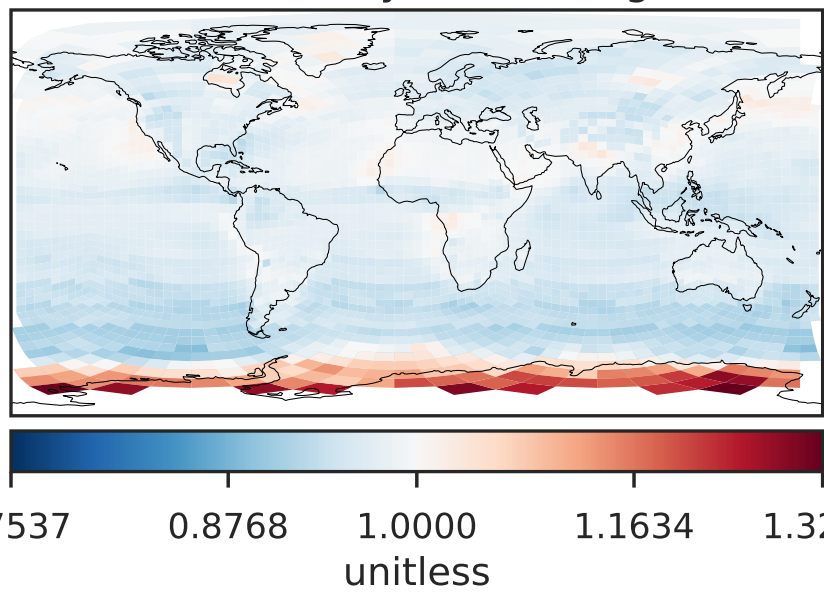
Difference  
Dev - Ref, Dynamic Range



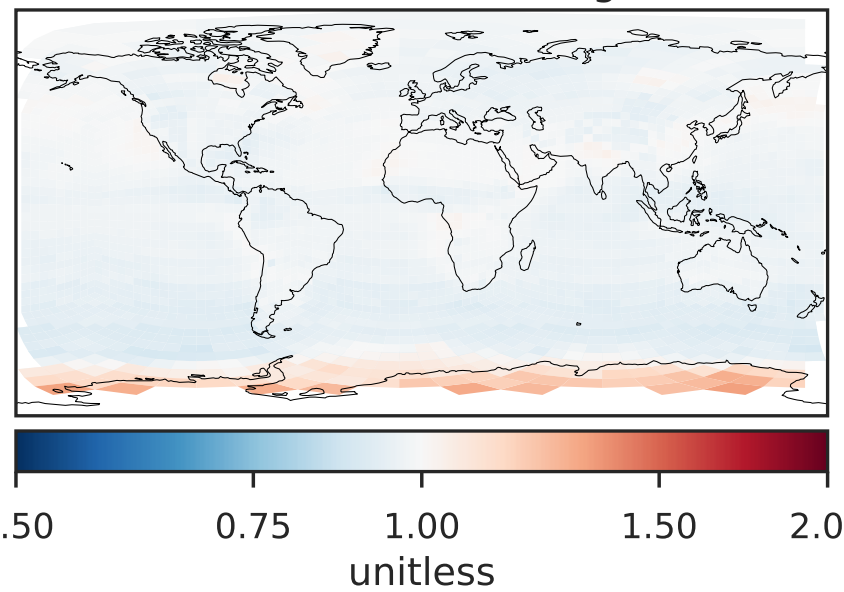
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

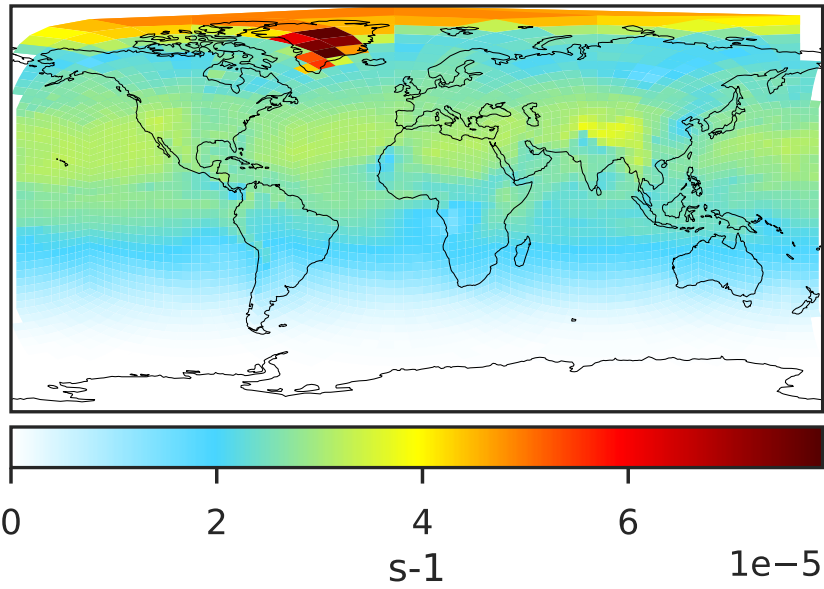


Ratio  
Dev/Ref, Fixed Range

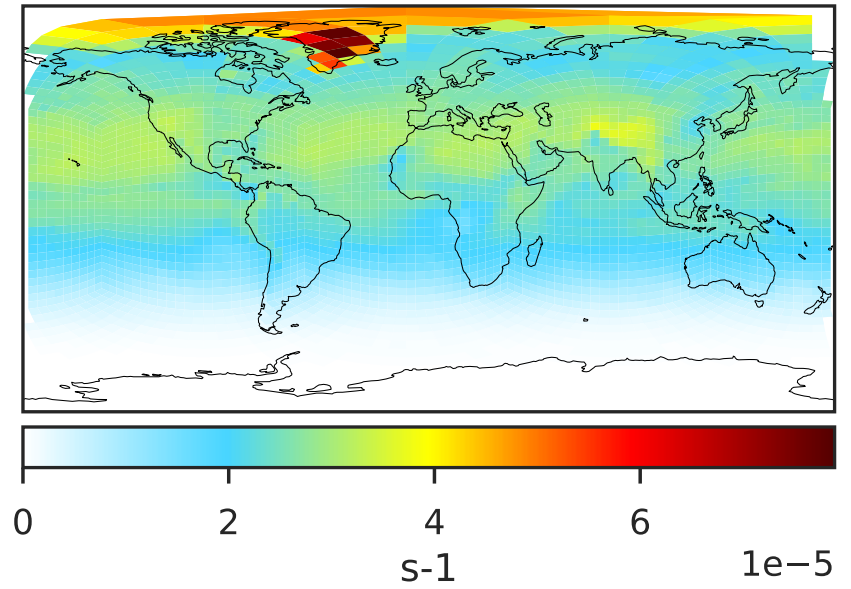


# Jval\_CH20 (Jul2019)

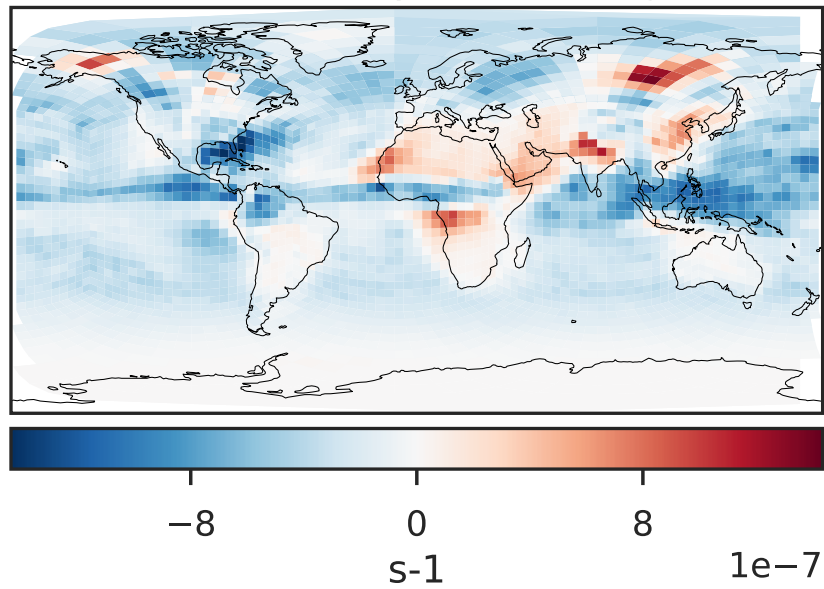
14.2.0-rc.2 (Ref)  
c24



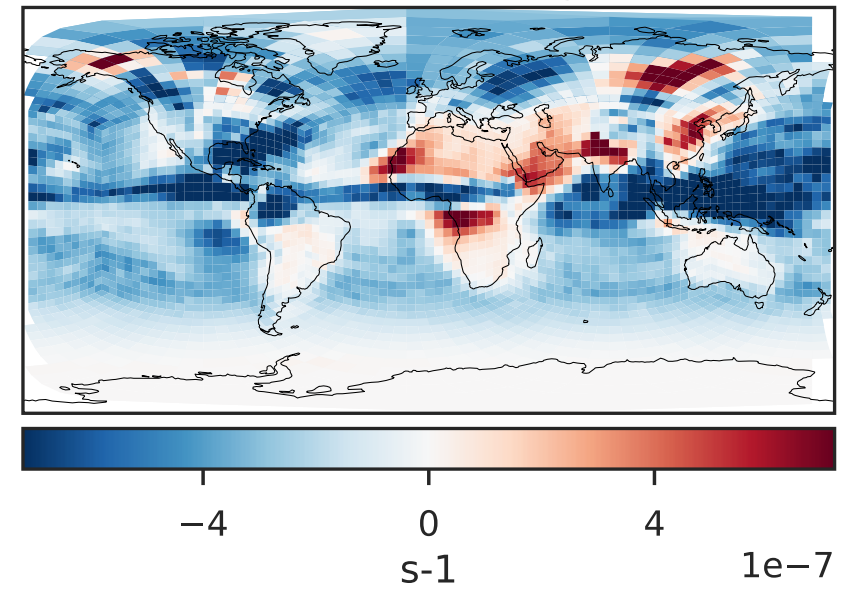
14.3.0-rc.0 (Dev)  
c24



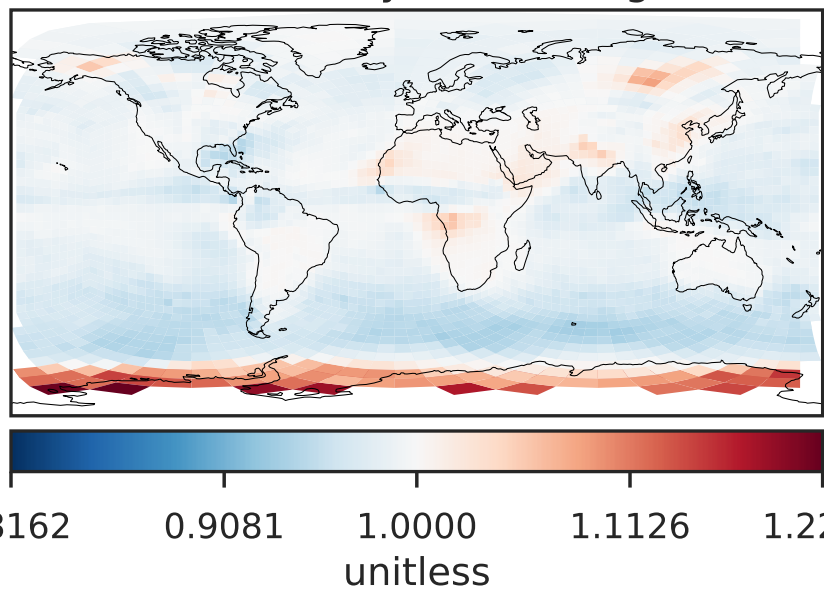
Difference  
Dev - Ref, Dynamic Range



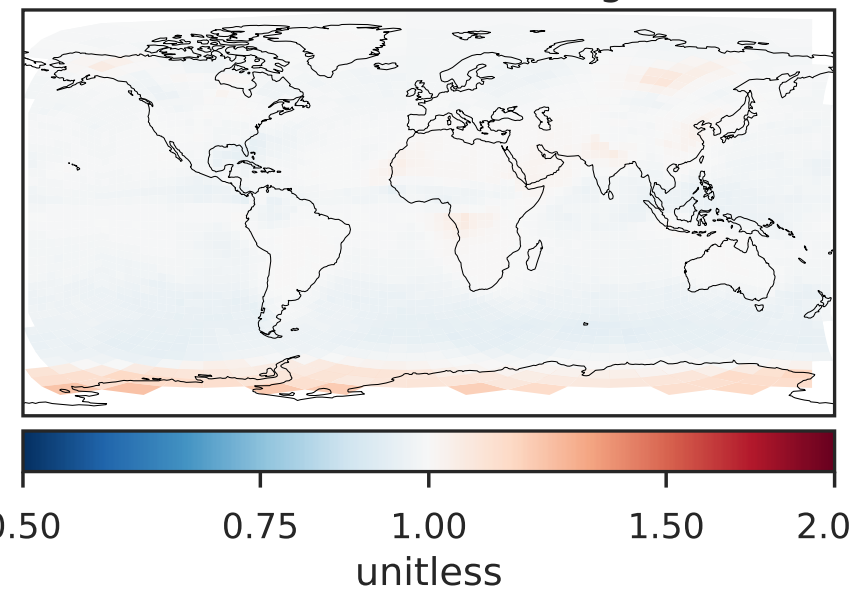
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

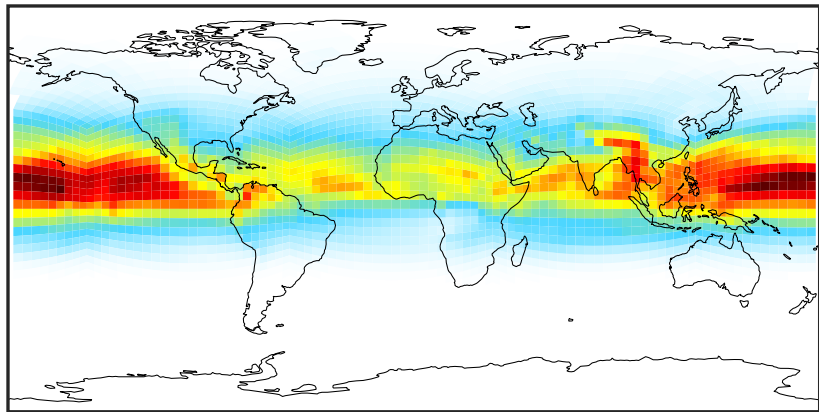


Ratio  
Dev/Ref, Fixed Range



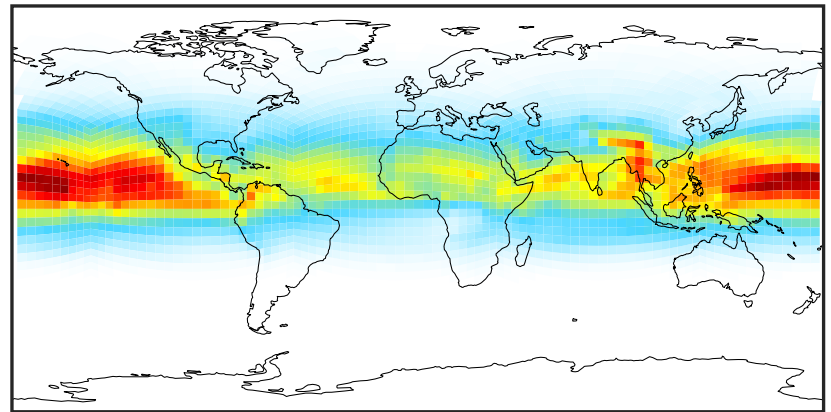
# Jval\_CH3Br (Jul2019)

14.2.0-rc.2 (Ref)  
c24



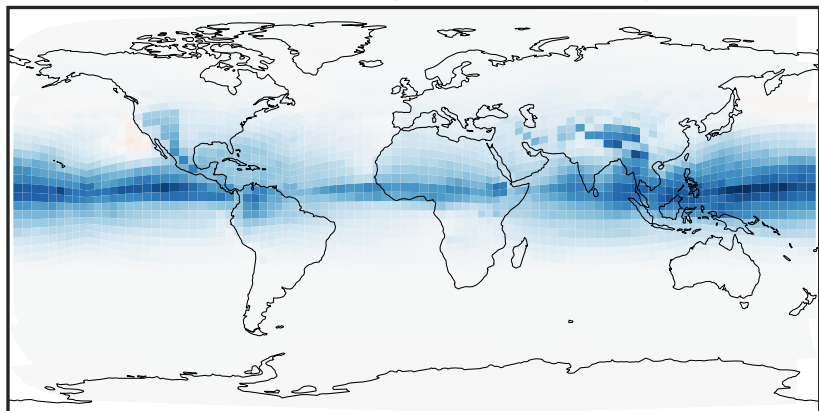
0.0 0.4 0.8 1.2  
s-1  $1e-13$

14.3.0-rc.0 (Dev)  
c24



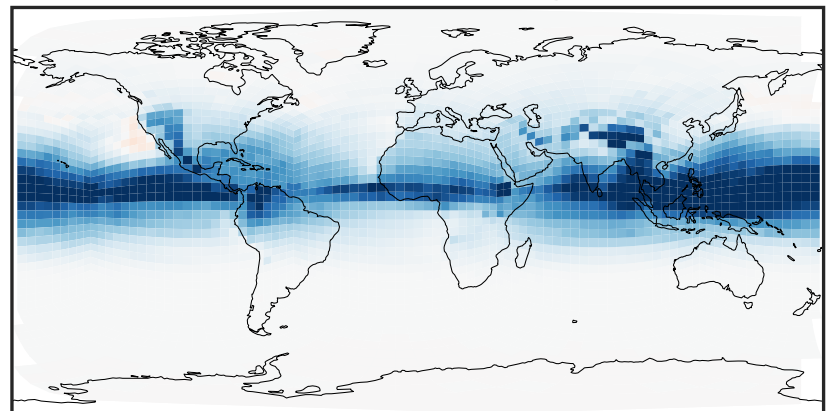
0.0 0.4 0.8 1.2  
s-1  $1e-13$

Difference  
Dev - Ref, Dynamic Range



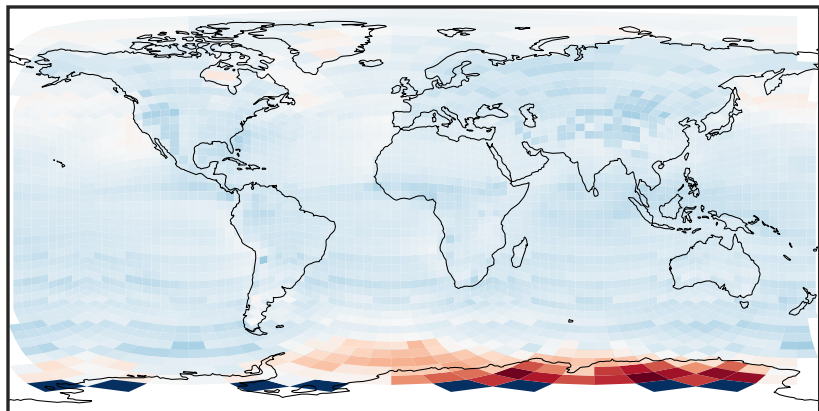
-8 0 8  
s-1  $1e-15$

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



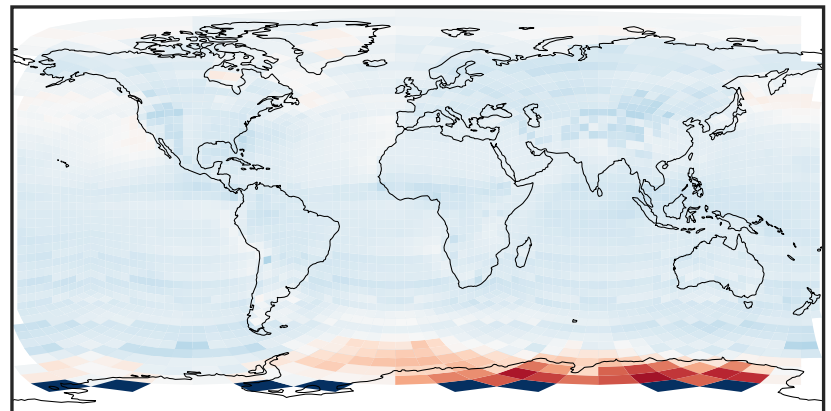
-5 0 5  
s-1  $1e-15$

Ratio  
Dev/Ref, Dynamic Range



0.557 0.779 1.000 1.397 1.794  
unitless

Ratio  
Dev/Ref, Fixed Range

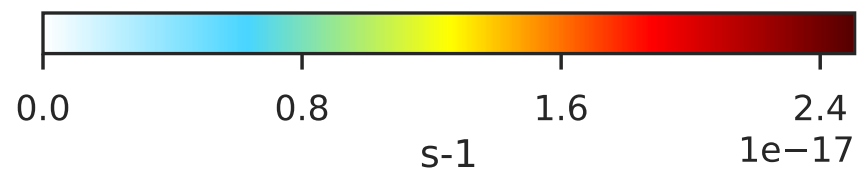
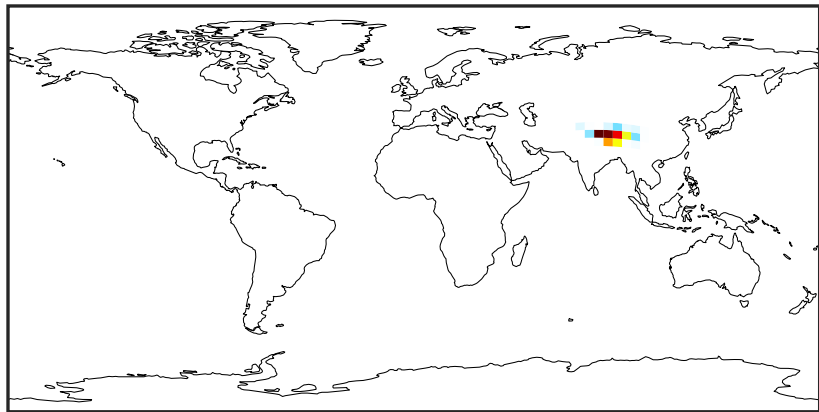


0.50 0.75 1.00 1.50 2.00  
unitless

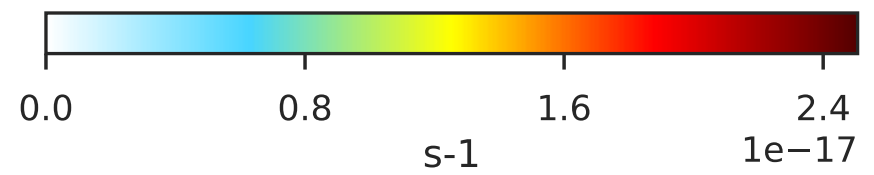
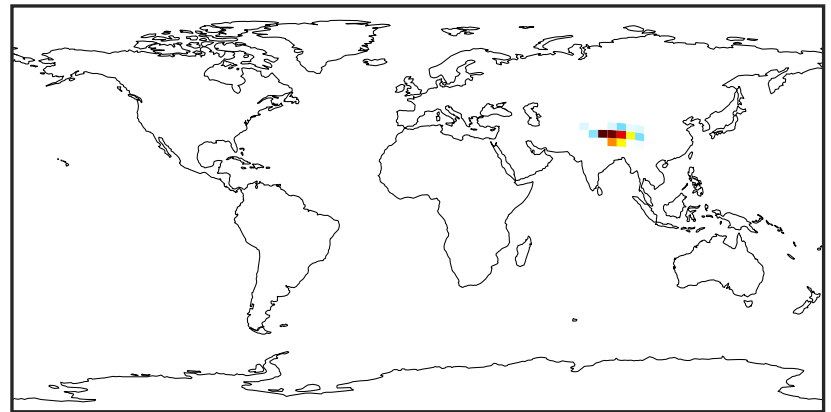


# Jval\_CH3CCI3 (Jul2019)

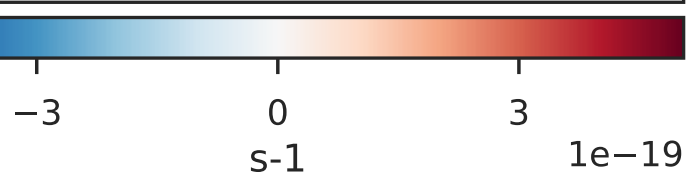
14.2.0-rc.2 (Ref)  
c24



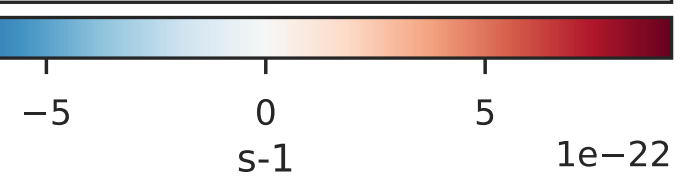
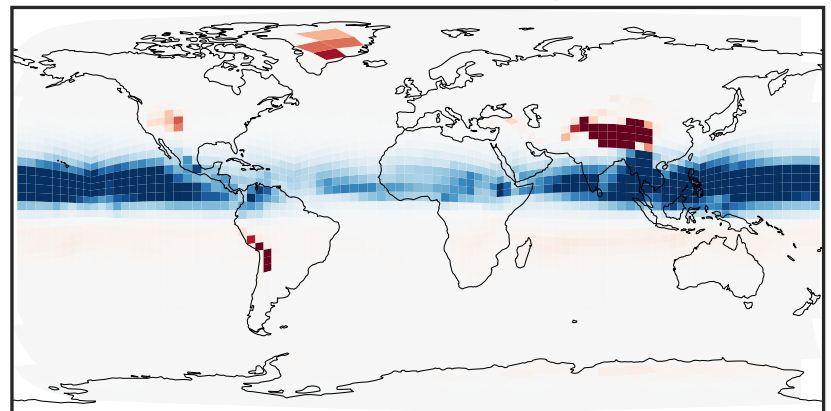
14.3.0-rc.0 (Dev)  
c24



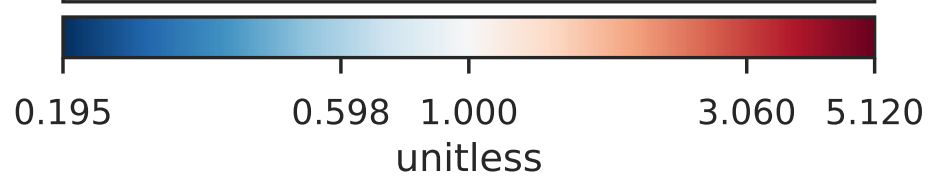
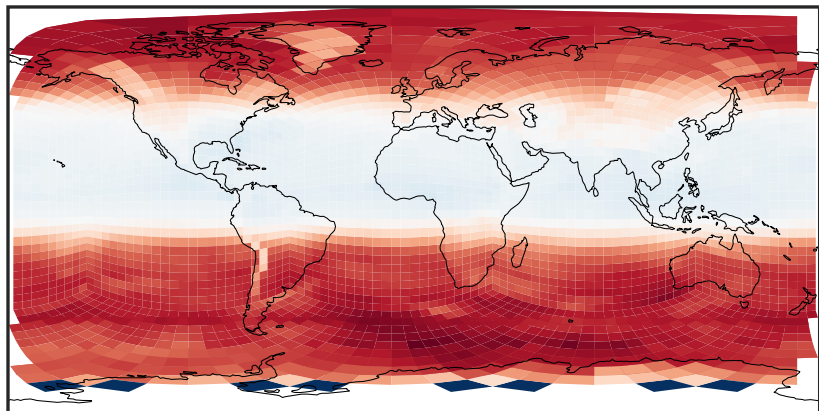
Difference  
Dev - Ref, Dynamic Range



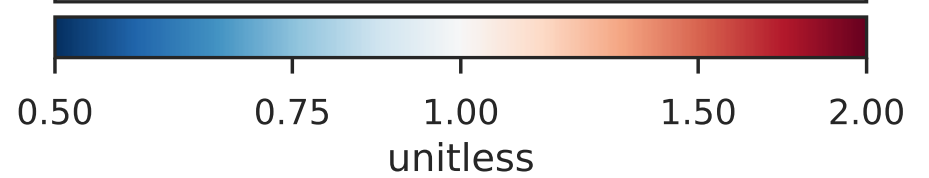
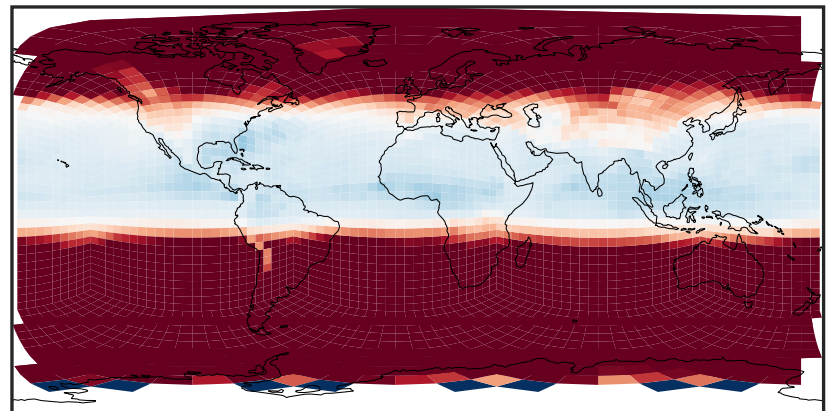
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

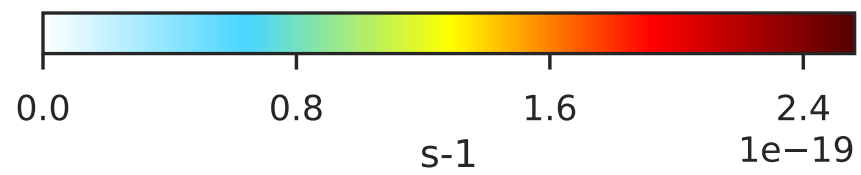
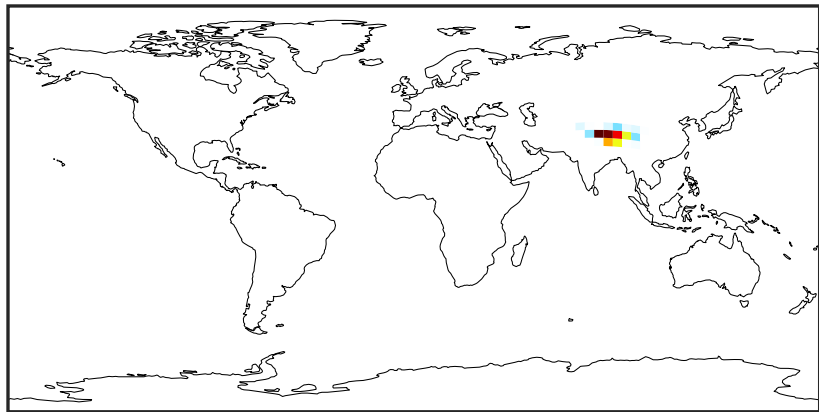


Ratio  
Dev/Ref, Fixed Range

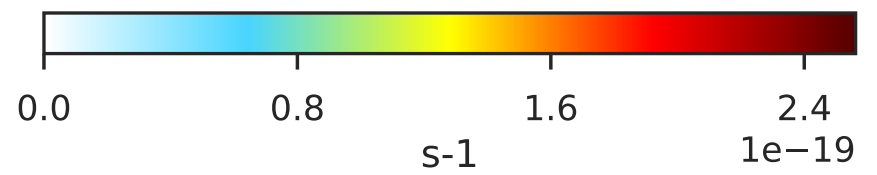
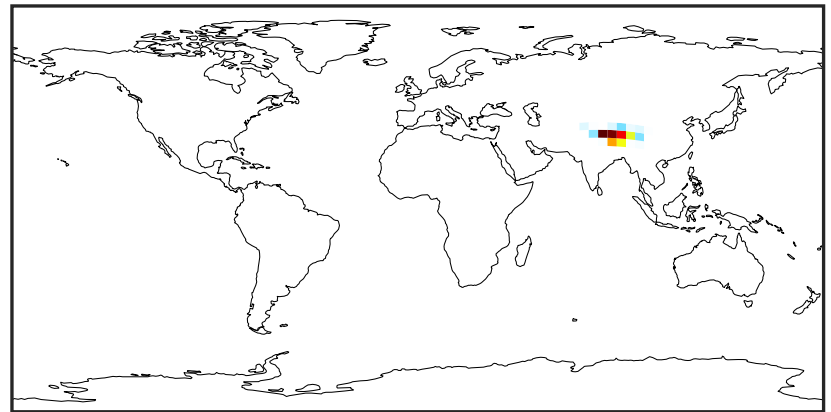


# Jval\_CH3Cl (Jul2019)

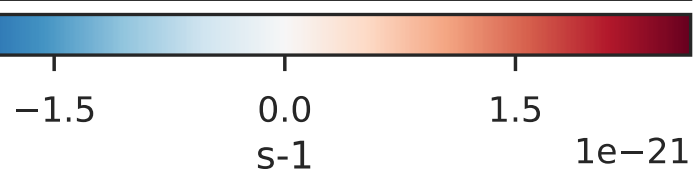
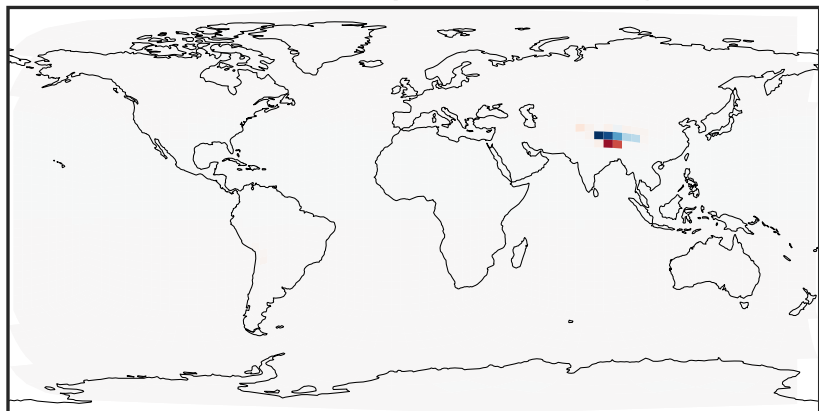
14.2.0-rc.2 (Ref)  
c24



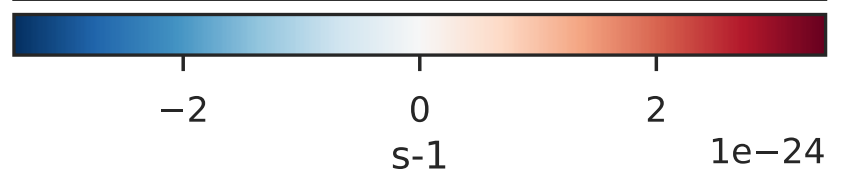
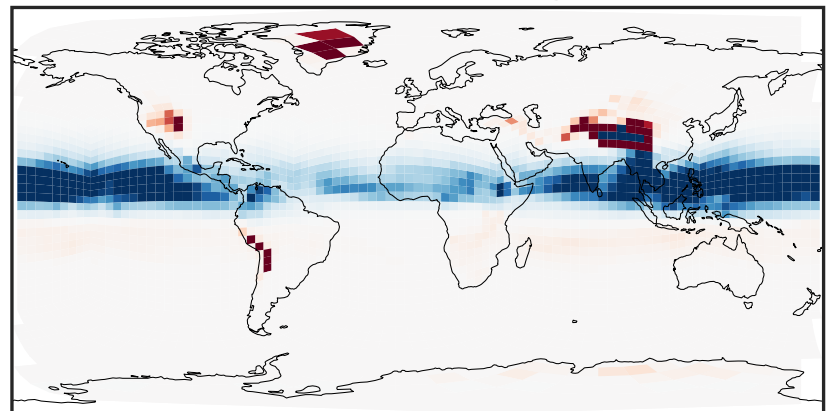
14.3.0-rc.0 (Dev)  
c24



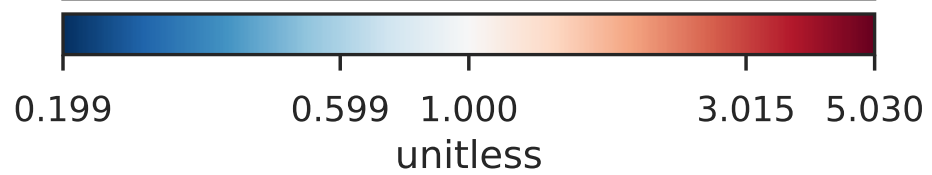
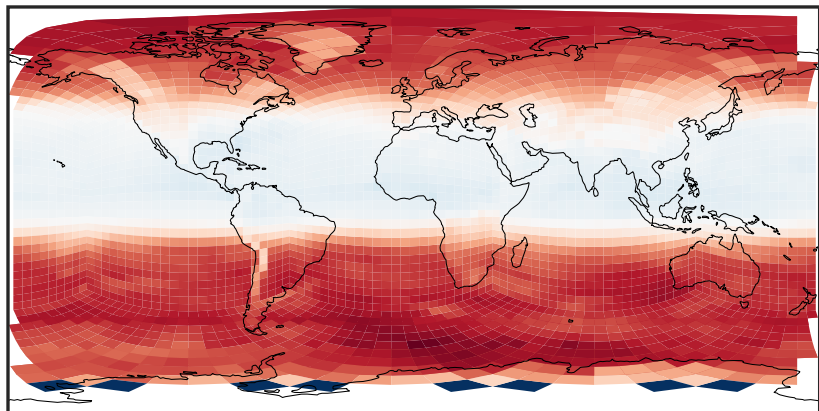
Difference  
Dev - Ref, Dynamic Range



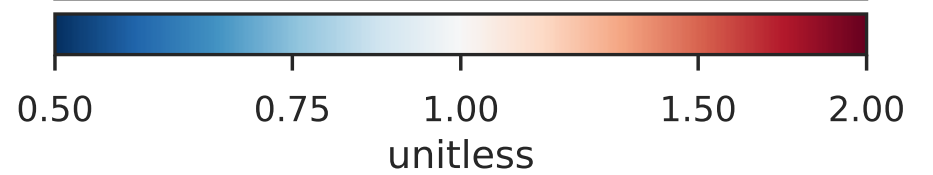
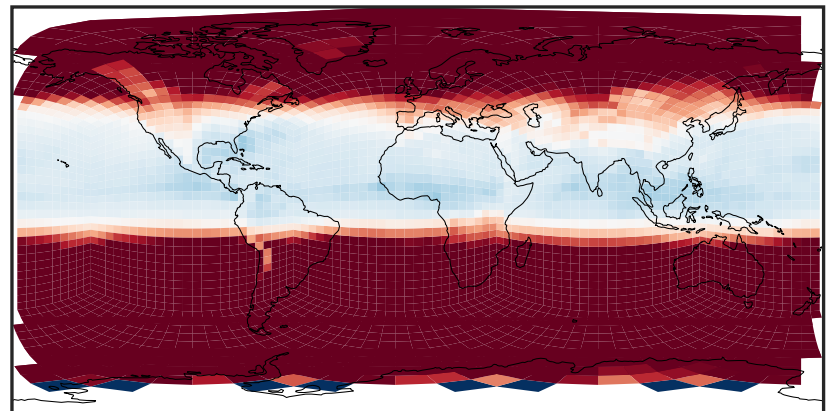
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

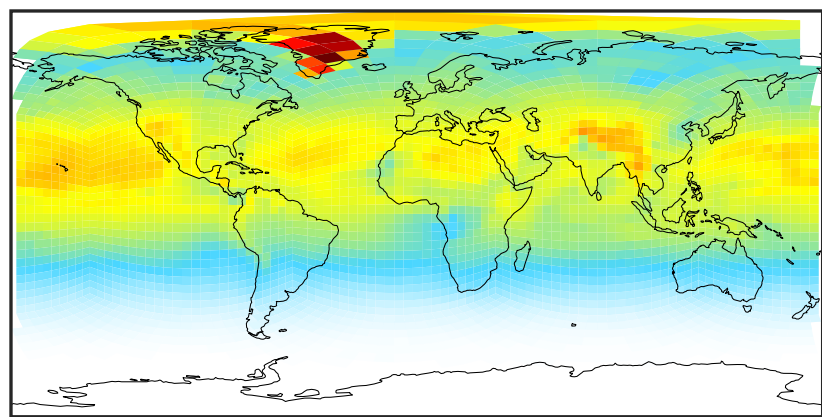


Ratio  
Dev/Ref, Fixed Range



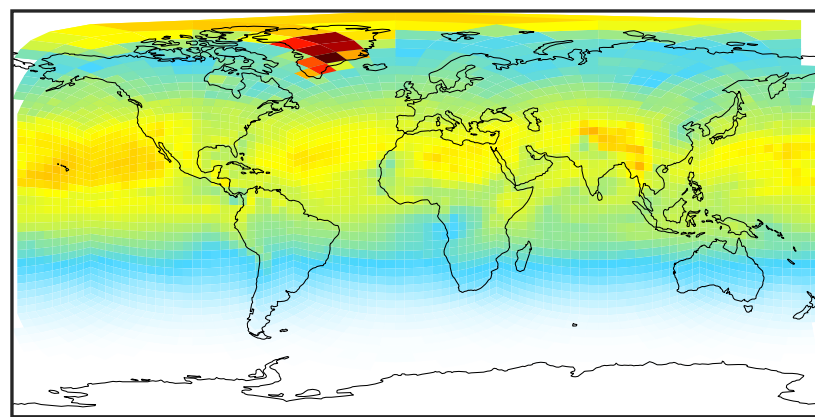
# Jval\_CH3I (Jul2019)

14.2.0-rc.2 (Ref)  
c24



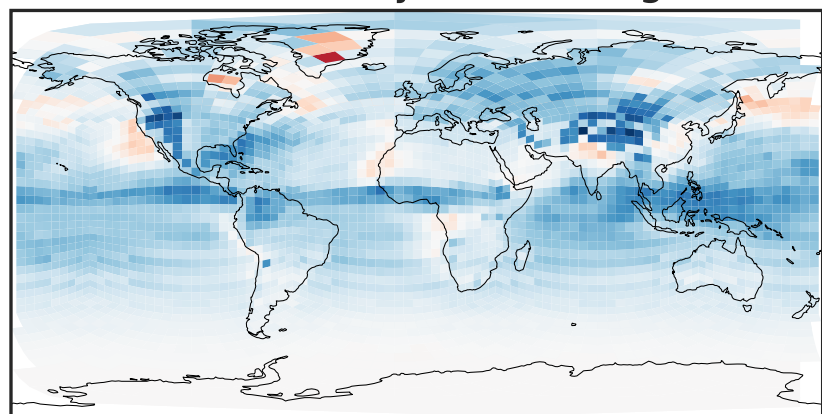
0.0 1.5 3.0  $1e-6$   
s-1

14.3.0-rc.0 (Dev)  
c24



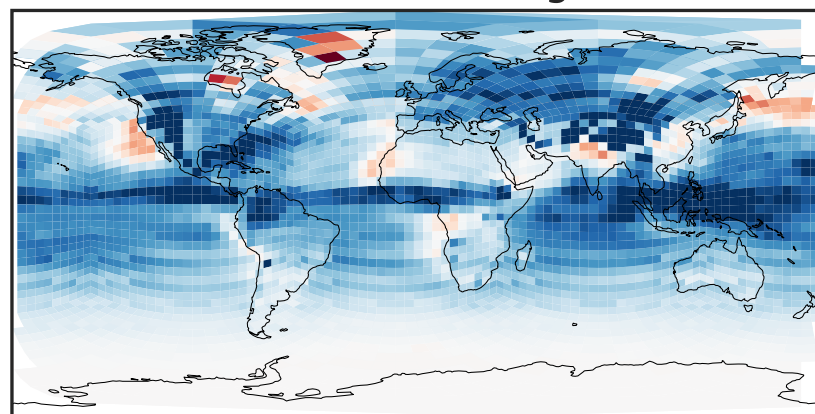
0.0 1.5 3.0  $1e-6$   
s-1

Difference  
Dev - Ref, Dynamic Range



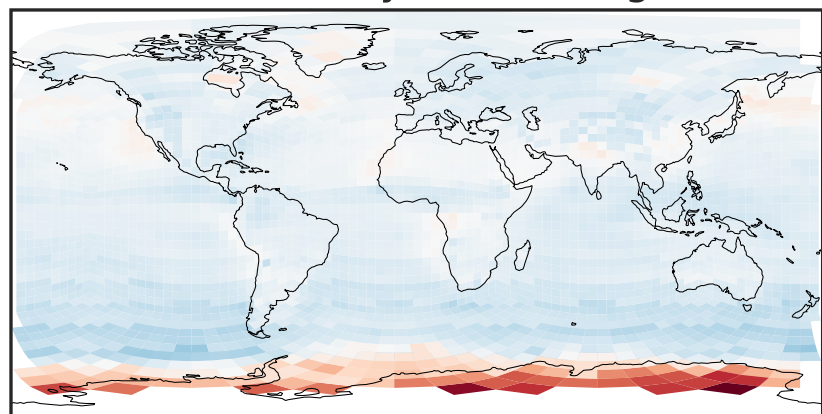
-1 0 1  $1e-7$   
s-1

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



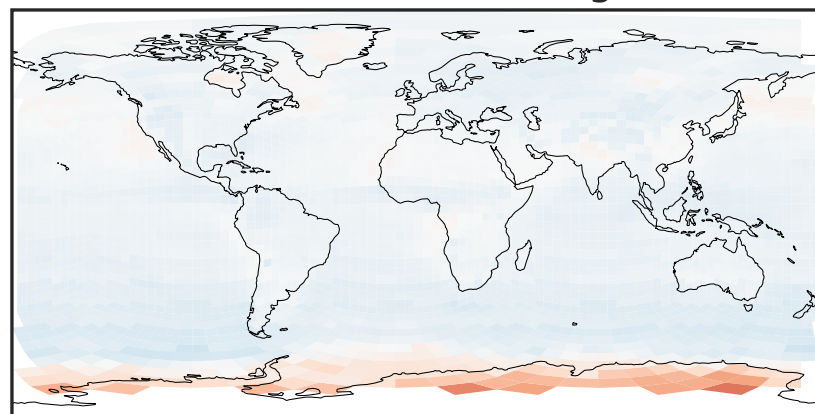
-6 0 6  $1e-8$   
s-1

Ratio  
Dev/Ref, Dynamic Range



0.6896 0.8448 1.0000 1.2251 1.4501  
unitless

Ratio  
Dev/Ref, Fixed Range

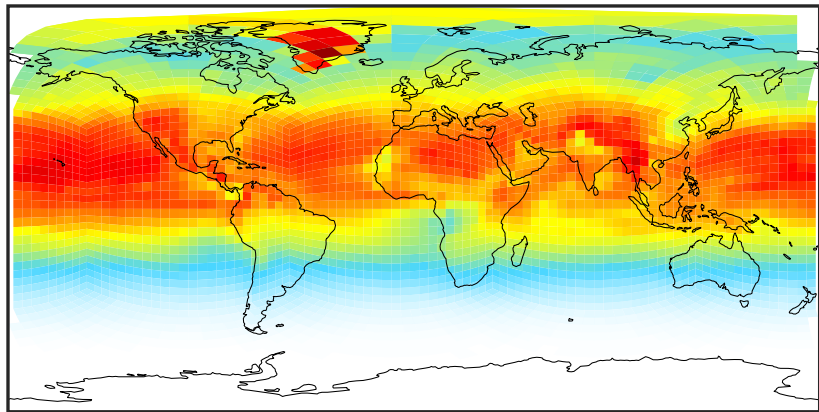


0.50 0.75 1.00 1.50 2.00  
unitless



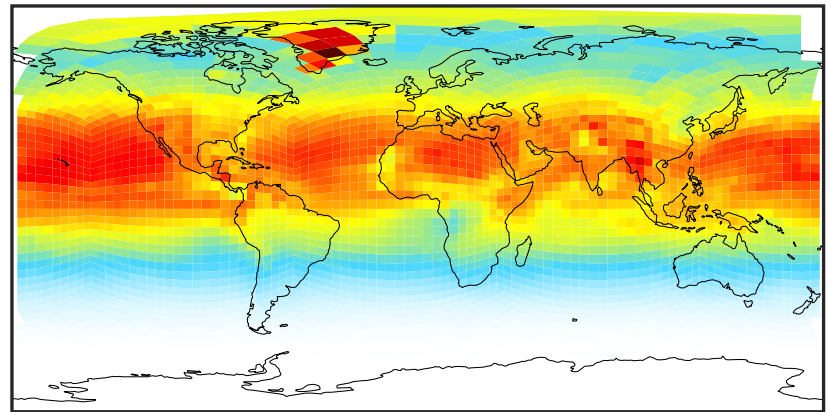
# Jval\_CHBr3 (Jul2019)

14.2.0-rc.2 (Ref)  
c24



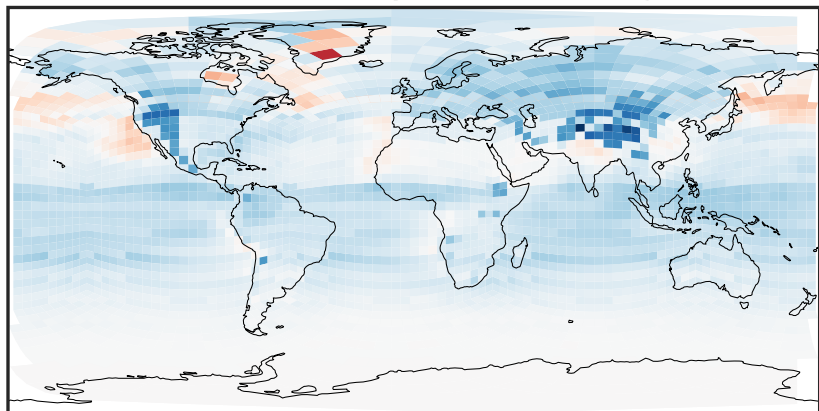
0.0 1.5 3.0 4.5  $1e-7$   
s-1

14.3.0-rc.0 (Dev)  
c24



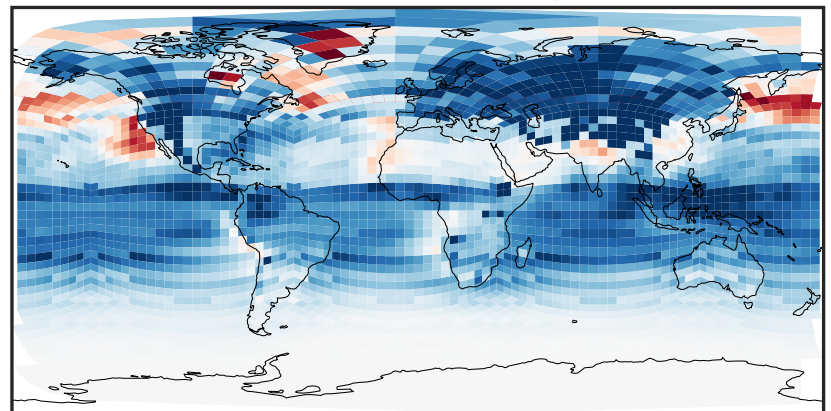
0.0 1.5 3.0 4.5  $1e-7$   
s-1

Difference  
Dev - Ref, Dynamic Range



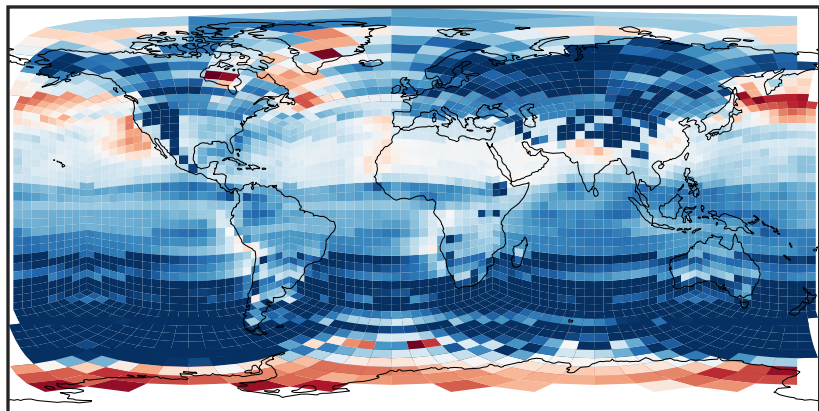
-4 0 4  $1e-8$   
s-1

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



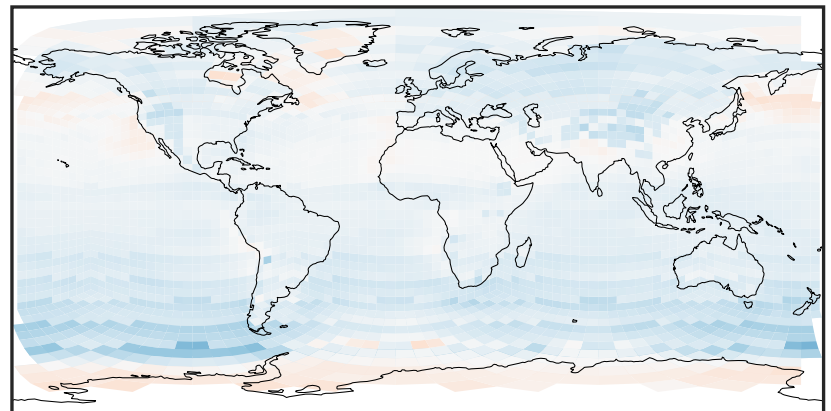
-1.5 0.0 1.5  $1e-8$   
s-1

Ratio  
Dev/Ref, Dynamic Range



0.8979 0.9489 1.0000 1.0569 1.1138  
unitless

Ratio  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

# Jval\_CHCl3 (Jul2019)

14.2.0-rc.2 (Ref)  
c24



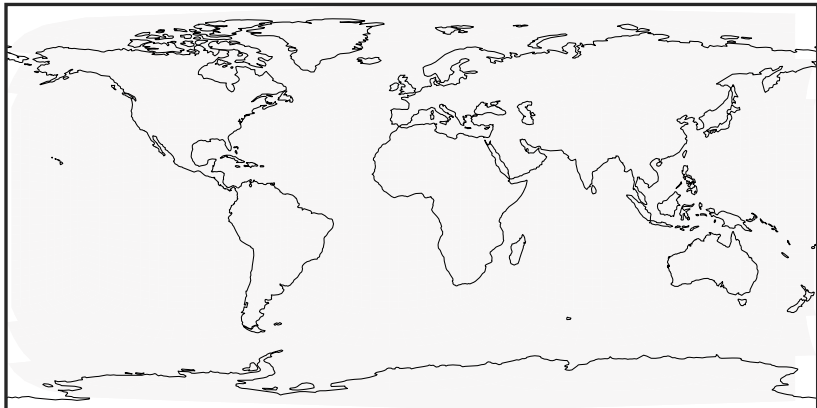
Zero throughput domain  
s-1

14.3.0-rc.0 (Dev)  
c24



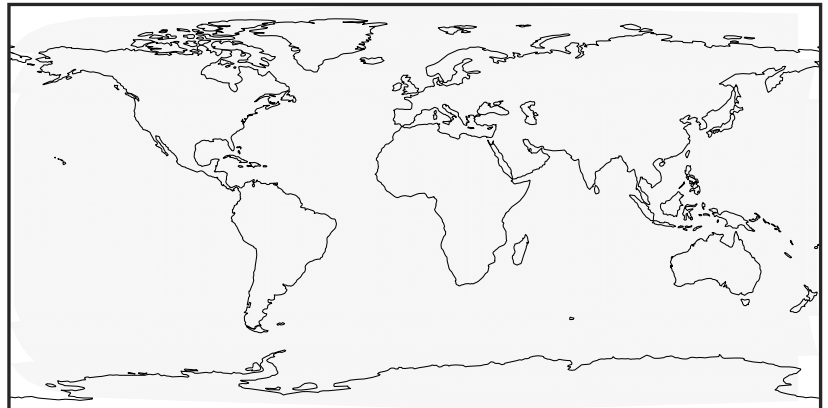
Zero throughput domain  
s-1

Difference  
Dev - Ref, Dynamic Range



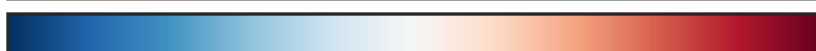
Zero throughput domain  
s-1

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



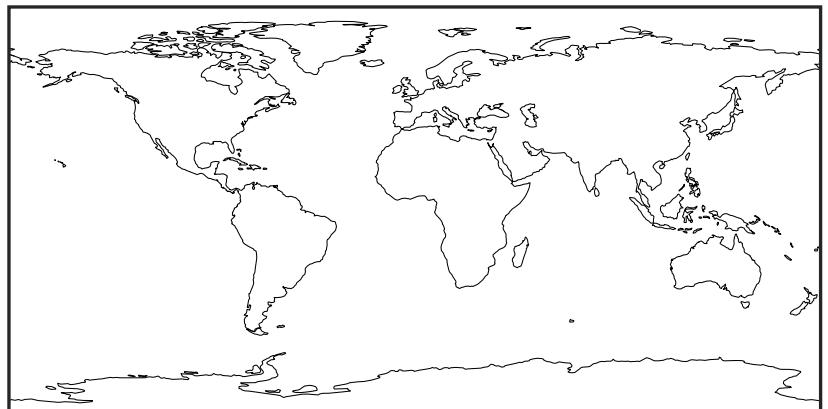
Zero throughput domain  
s-1

Ratio  
Dev/Ref, Dynamic Range



Undefined throughput domain  
unitless

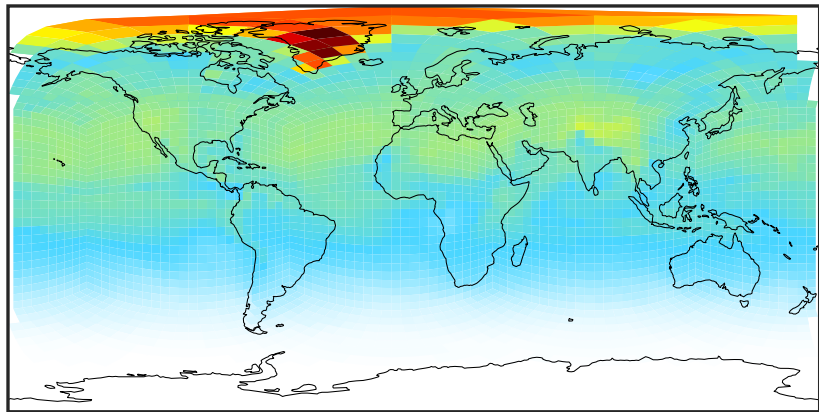
Ratio  
Dev/Ref, Fixed Range



Undefined throughput domain  
unitless

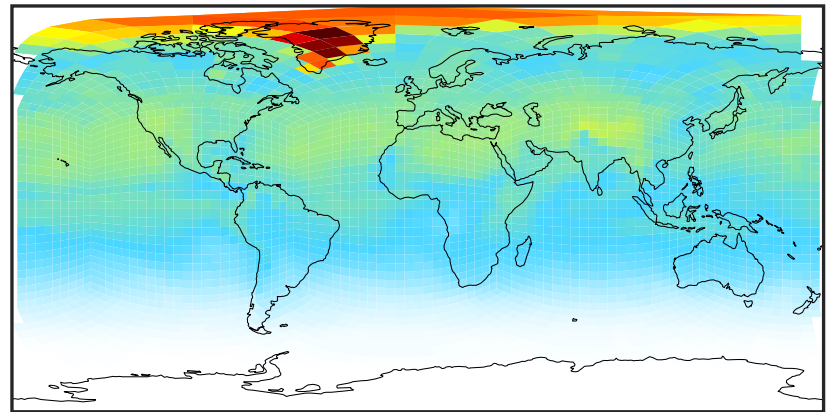
# Jval\_CI2 (Jul2019)

14.2.0-rc.2 (Ref)  
c24



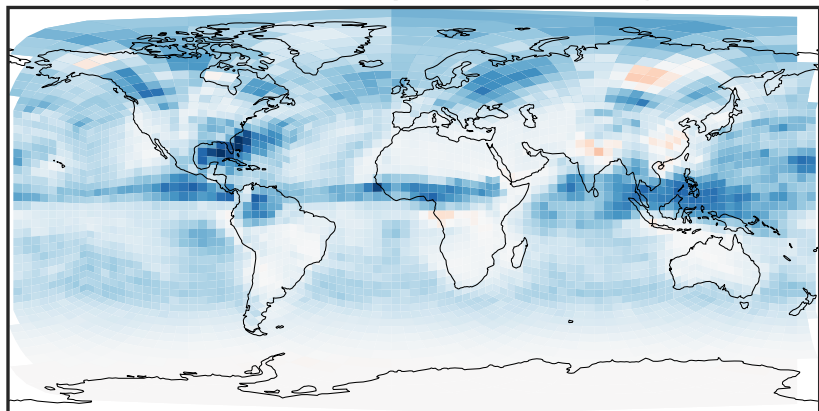
0.0000 0.0008 0.0016 0.0024  
s-1

14.3.0-rc.0 (Dev)  
c24



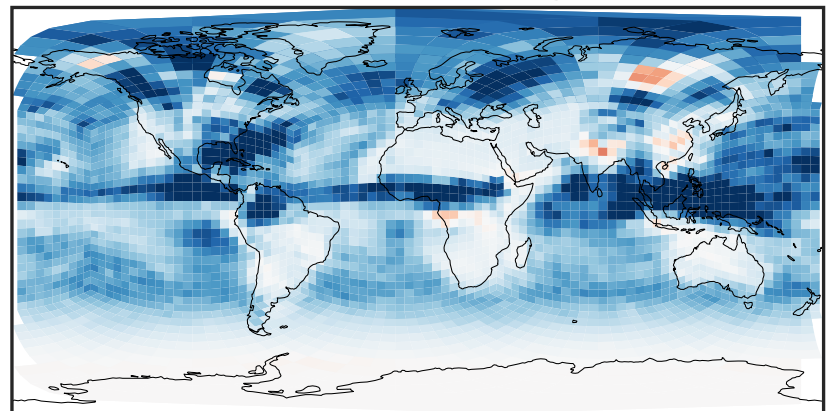
0.0000 0.0008 0.0016 0.0024  
s-1

Difference  
Dev - Ref, Dynamic Range



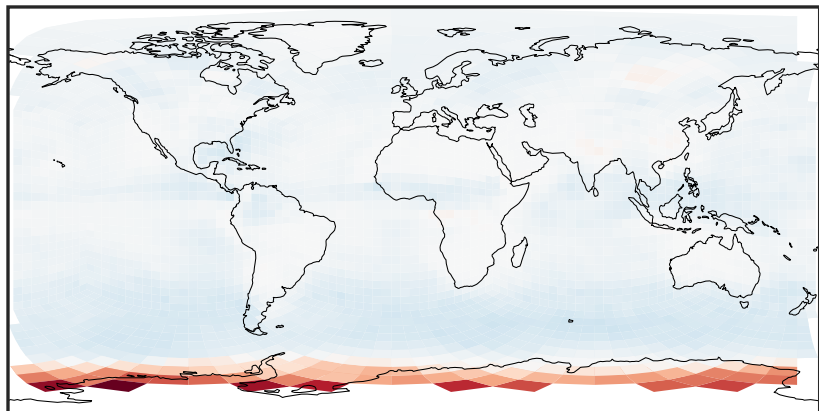
-2.5 0.0 2.5  
s-1 1e-5

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



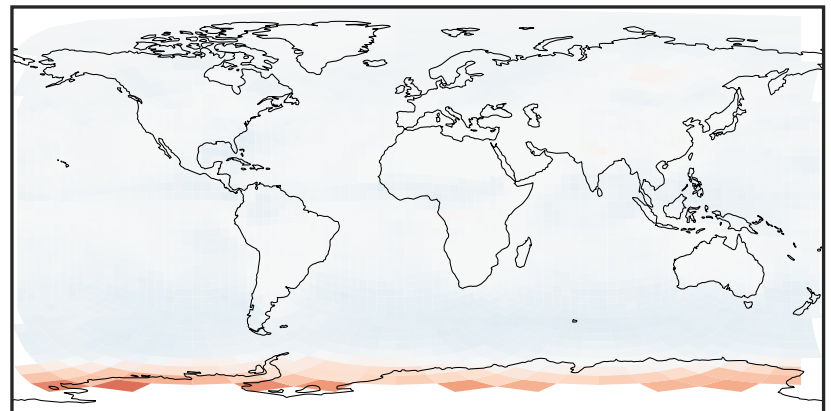
-1.5 0.0 1.5  
s-1 1e-5

Ratio  
Dev/Ref, Dynamic Range



0.6827 0.8414 1.0000 1.2324 1.4647  
unitless

Ratio  
Dev/Ref, Fixed Range

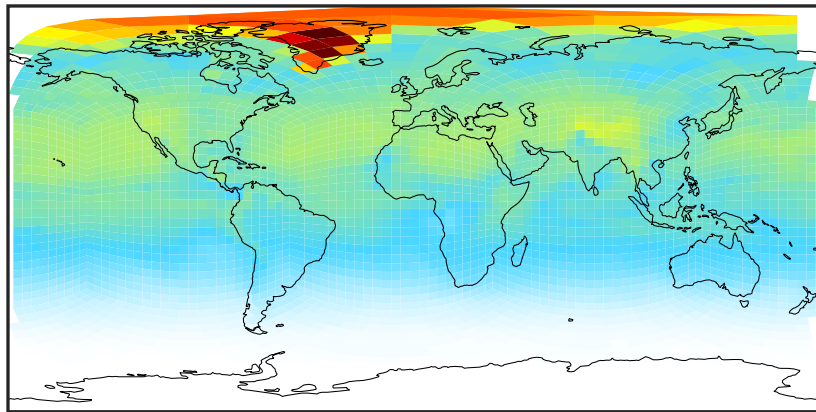


0.50 0.75 1.00 1.50 2.00  
unitless



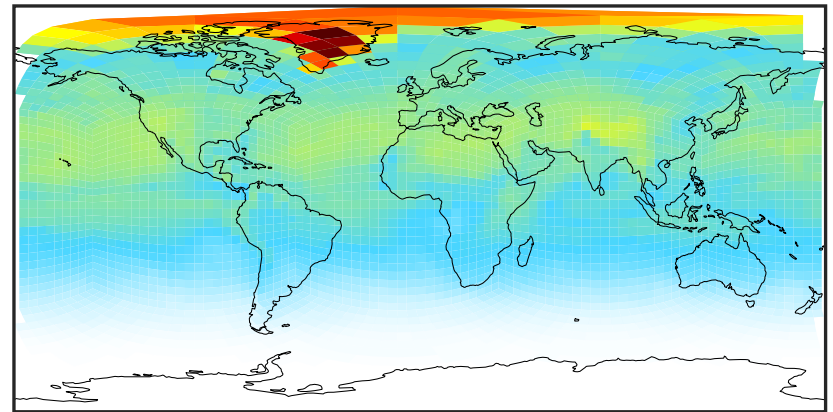
# Jval\_CI202 (Jul2019)

14.2.0-rc.2 (Ref)  
c24



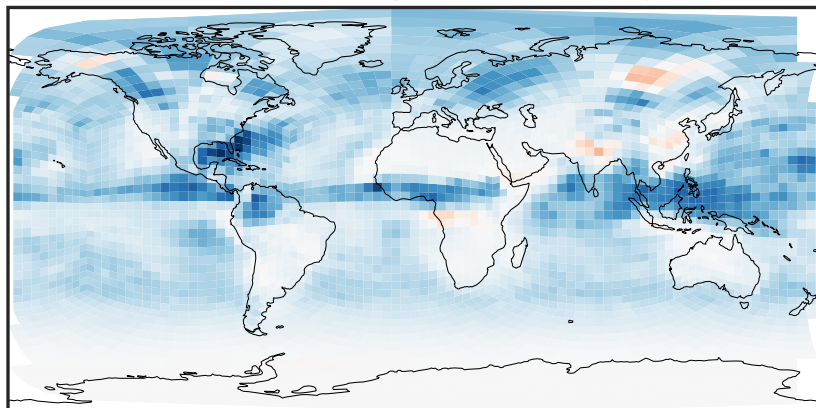
0.0000 0.0005 0.0010 0.0015  
s-1

14.3.0-rc.0 (Dev)  
c24



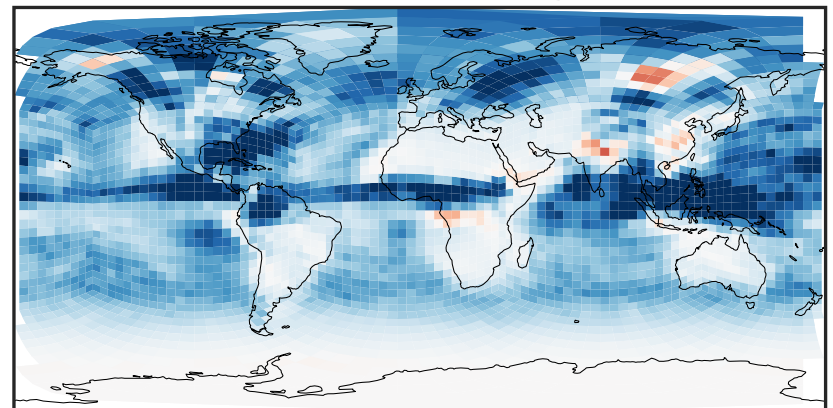
0.0000 0.0005 0.0010 0.0015  
s-1

Difference  
Dev - Ref, Dynamic Range



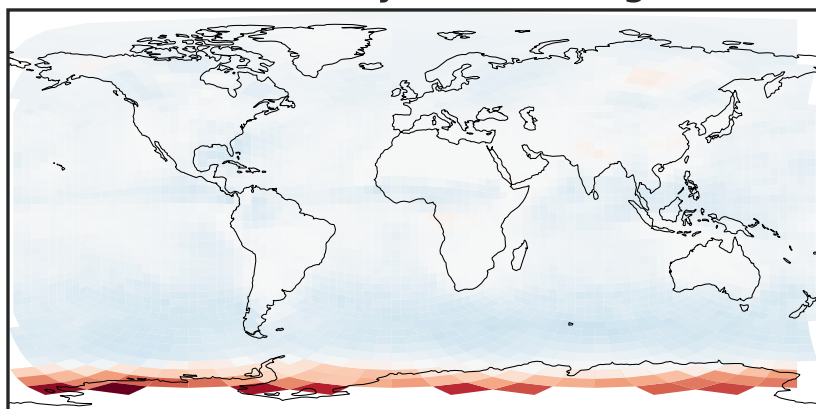
-2 0 2  
s-1 1e-5

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



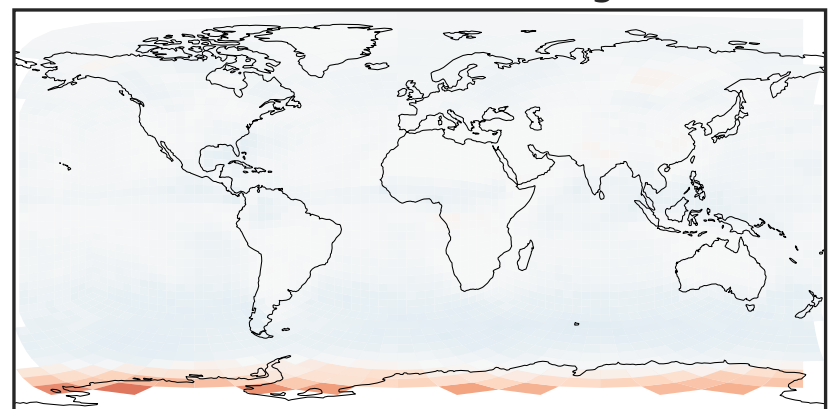
-1 0 1  
s-1 1e-5

Ratio  
Dev/Ref, Dynamic Range



0.6897 0.8448 1.0000 1.2250 1.4499  
unitless

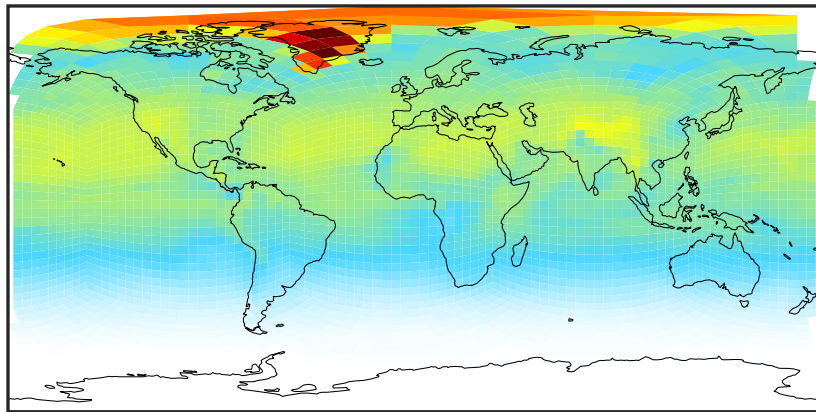
Ratio  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

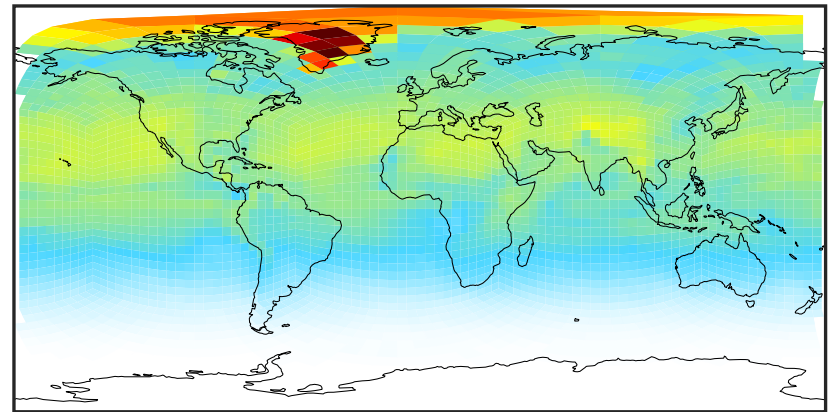
# Jval\_CINO2 (Jul2019)

14.2.0-rc.2 (Ref)  
c24



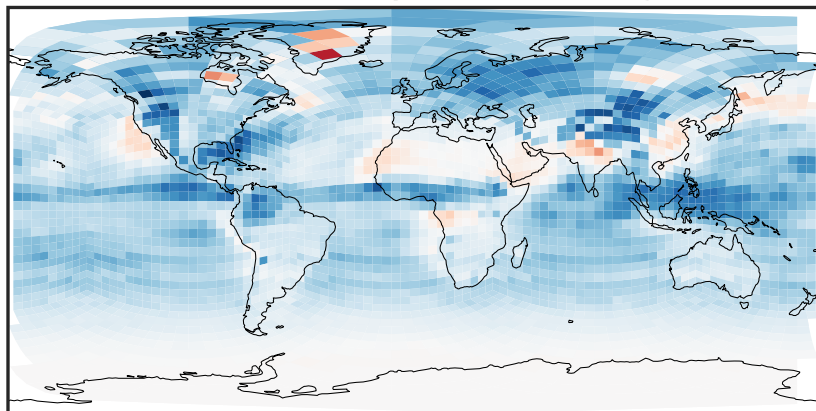
0.0000 0.0001 0.0002 0.0003  
s-1

14.3.0-rc.0 (Dev)  
c24



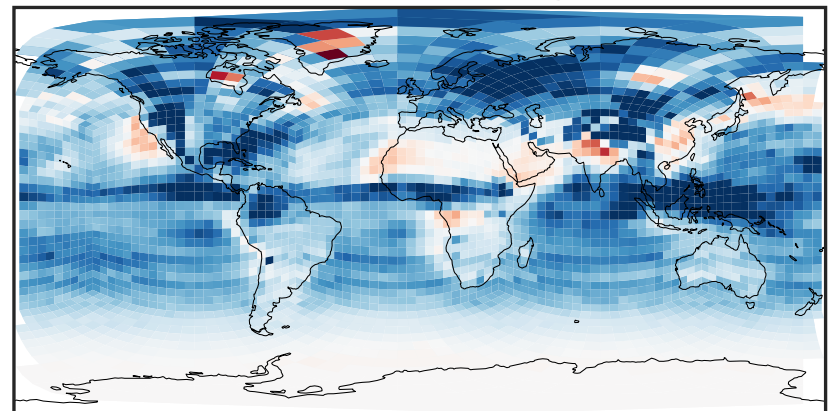
0.0000 0.0001 0.0002 0.0003  
s-1

Difference  
Dev - Ref, Dynamic Range



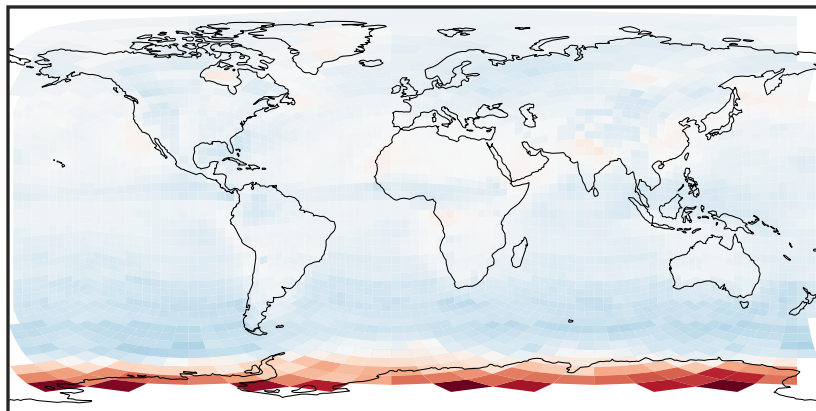
-5 0 5  
s-1 1e-6

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



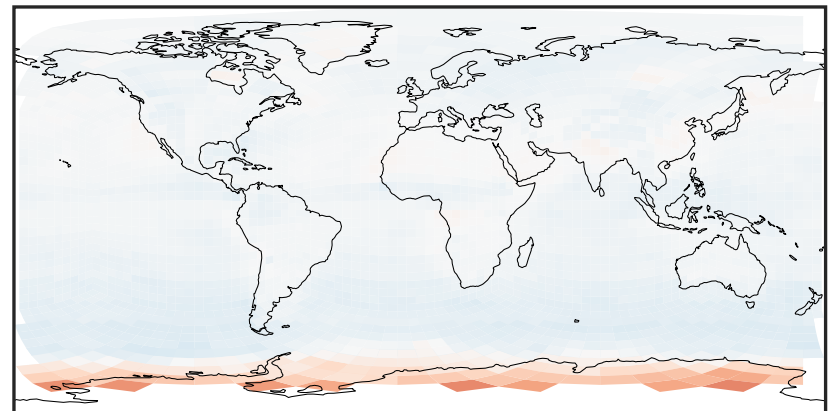
-2.5 0.0 2.5  
s-1 1e-6

Ratio  
Dev/Ref, Dynamic Range



0.7146 0.8573 1.0000 1.1997 1.3994  
unitless

Ratio  
Dev/Ref, Fixed Range

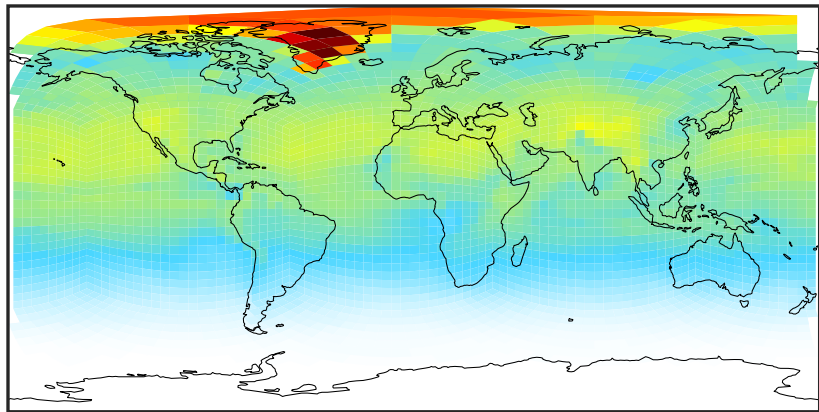


0.50 0.75 1.00 1.50 2.00  
unitless



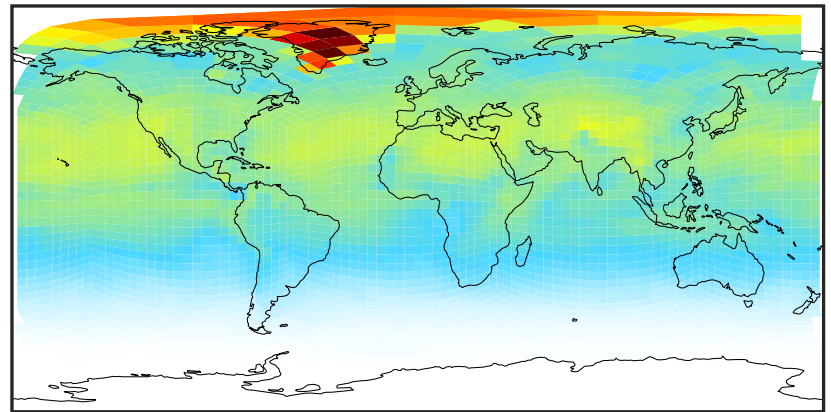
# Jval\_CINO3 (Jul2019)

14.2.0-rc.2 (Ref)  
c24



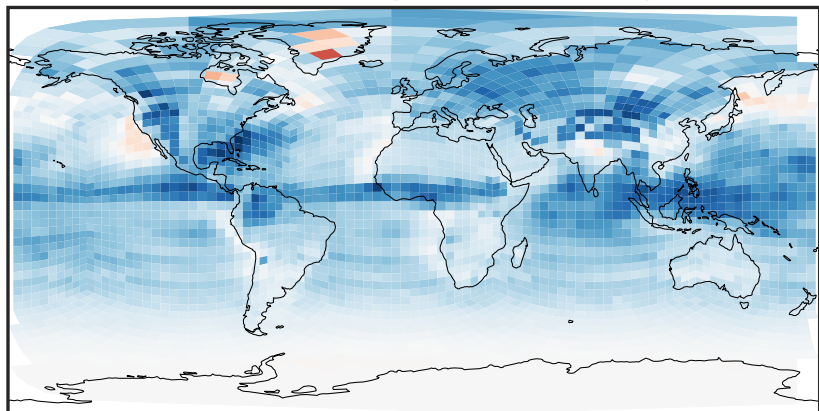
0.0 1.5 3.0  $10^{-5}$   
s-1

14.3.0-rc.0 (Dev)  
c24



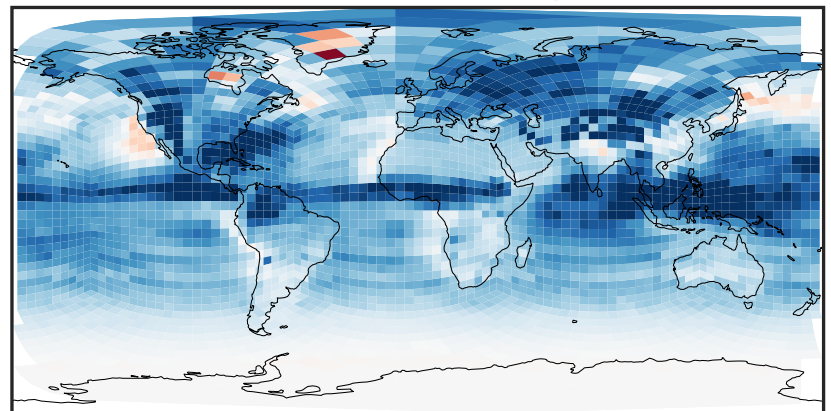
0.0 1.5 3.0  $10^{-5}$   
s-1

Difference  
Dev - Ref, Dynamic Range



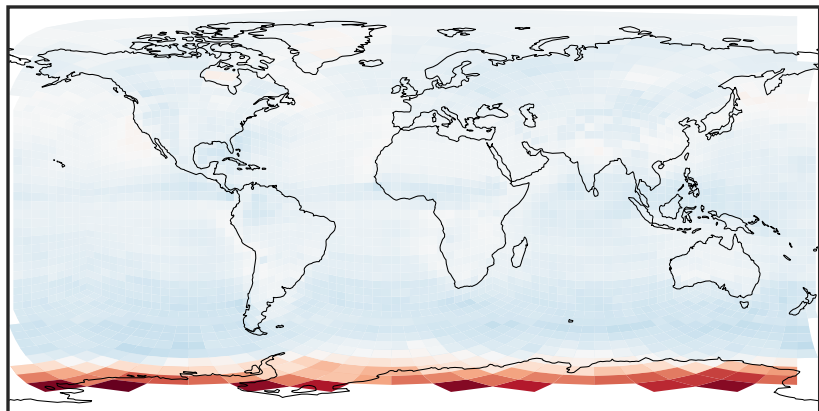
-6 0 6  $10^{-7}$   
s-1

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



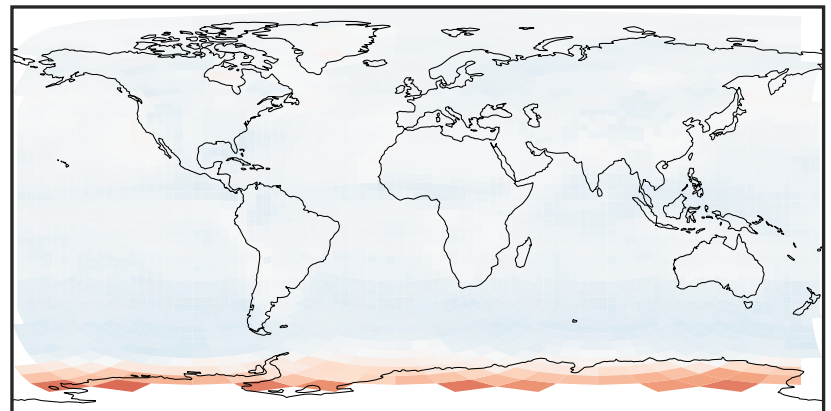
-4 0 4  $10^{-7}$   
s-1

Ratio  
Dev/Ref, Dynamic Range



0.6758 0.8379 1.0000 1.2399 1.4798  
unitless

Ratio  
Dev/Ref, Fixed Range

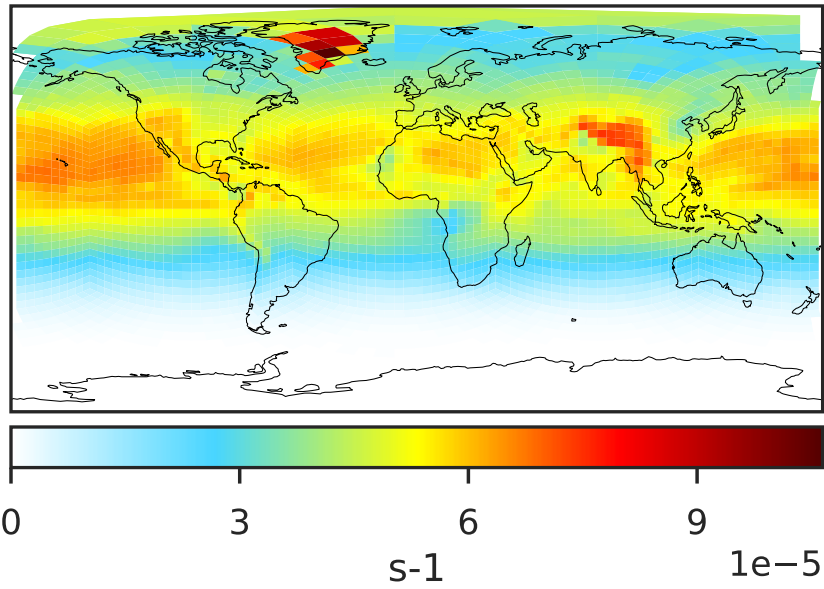


0.50 0.75 1.00 1.50 2.00  
unitless

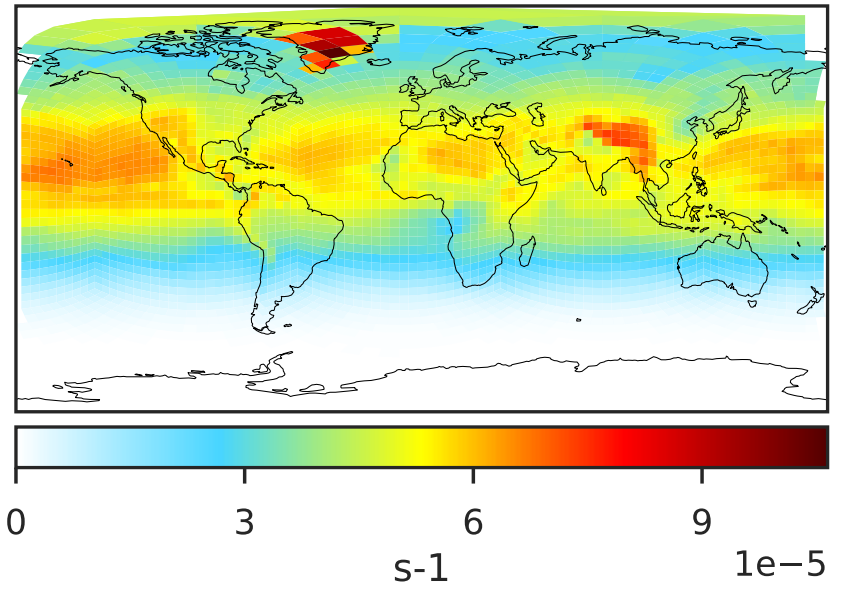


# Jval\_CIO (Jul2019)

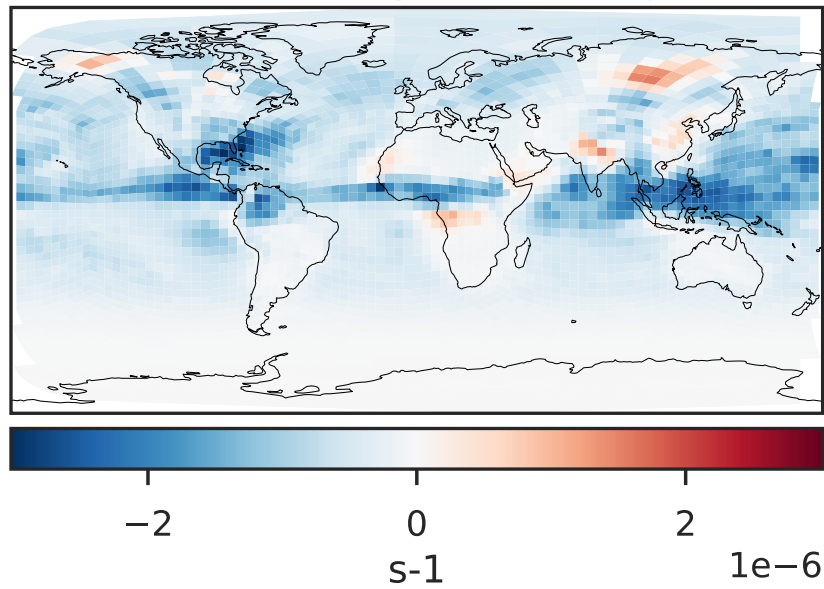
14.2.0-rc.2 (Ref)  
c24



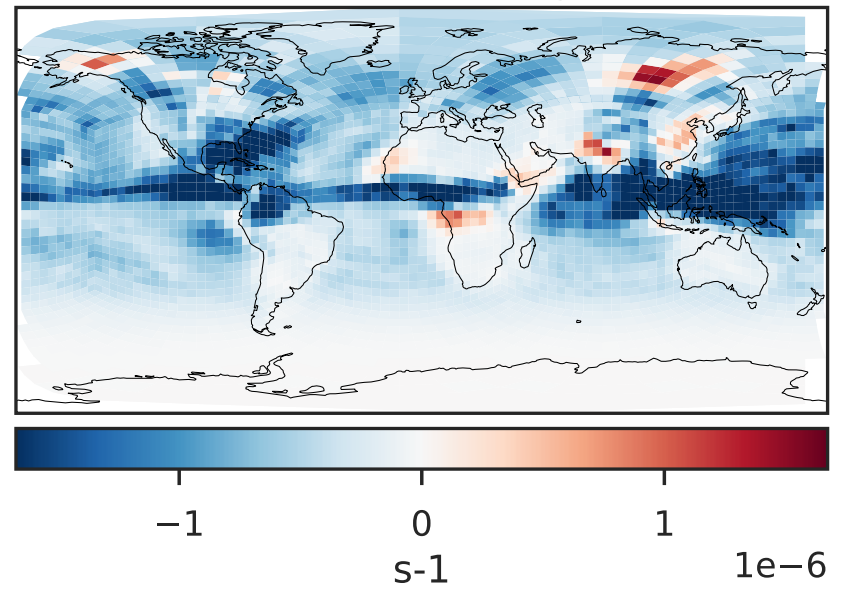
14.3.0-rc.0 (Dev)  
c24



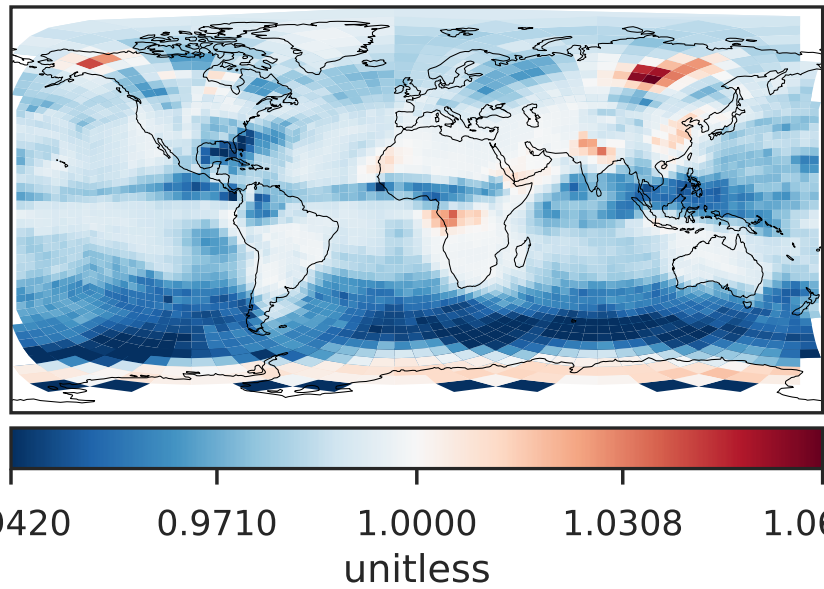
Difference  
Dev - Ref, Dynamic Range



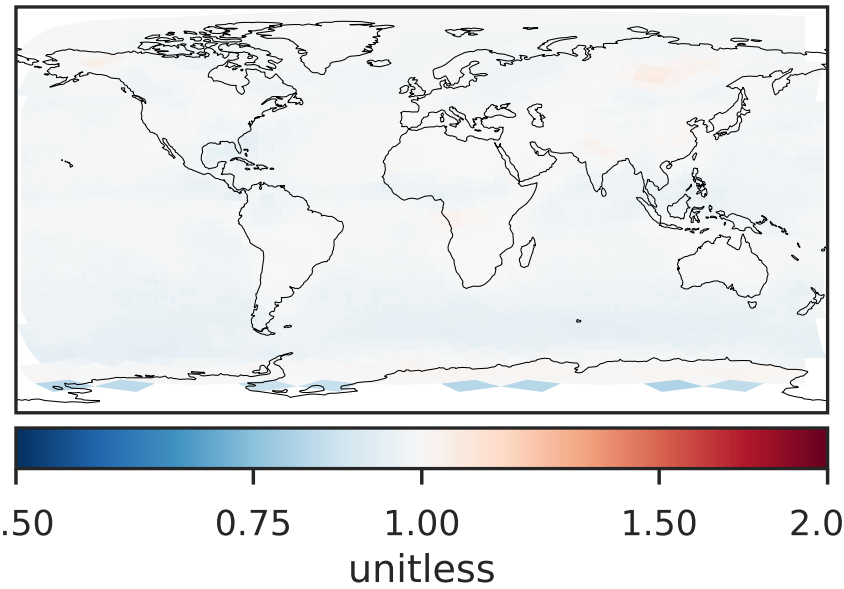
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

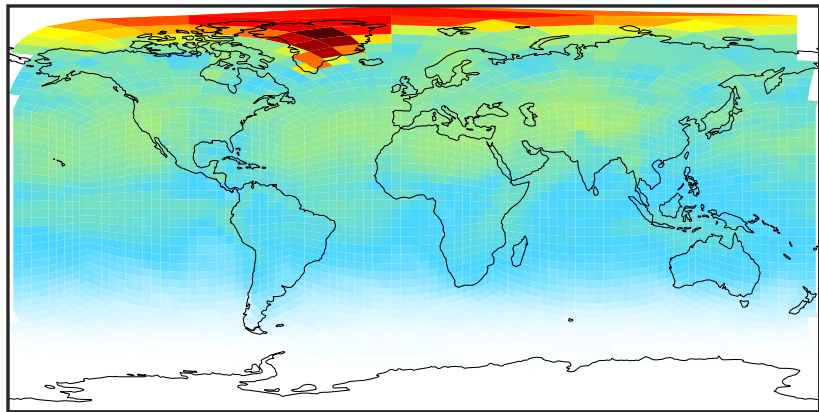


Ratio  
Dev/Ref, Fixed Range



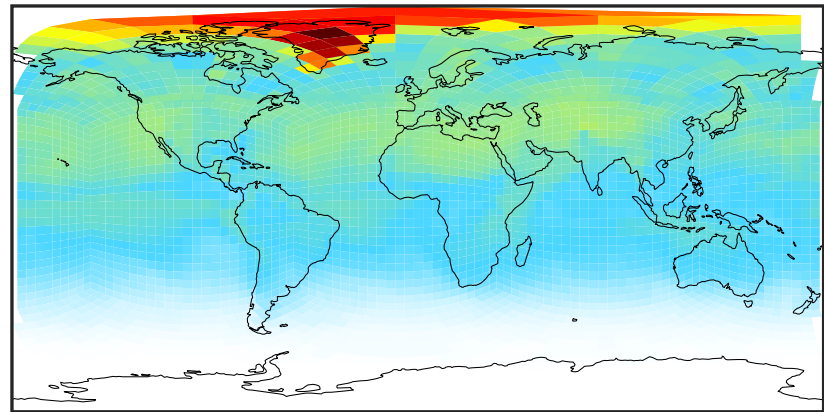
# Jval\_C100 (Jul2019)

14.2.0-rc.2 (Ref)  
c24



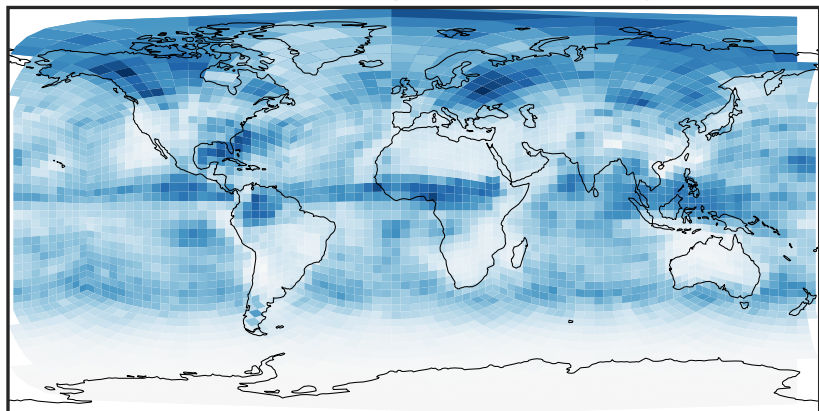
0.0000 0.1654 0.3308 0.4962 0.6616  
s-1

14.3.0-rc.0 (Dev)  
c24



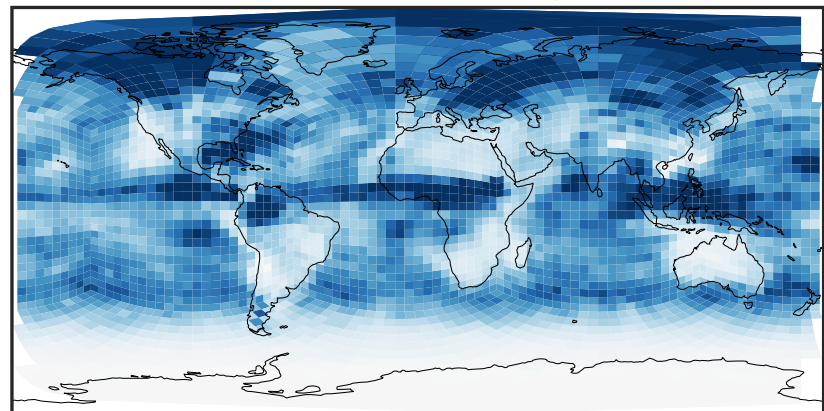
0.0000 0.1654 0.3308 0.4962 0.6616  
s-1

Difference  
Dev - Ref, Dynamic Range



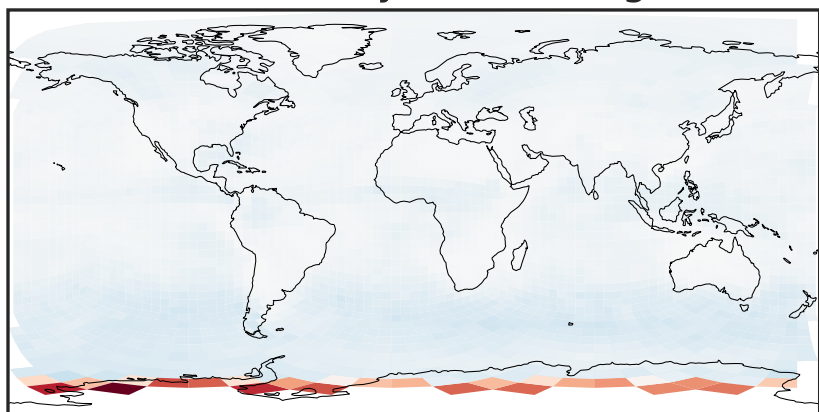
-0.008 0.000 0.008  
s-1

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



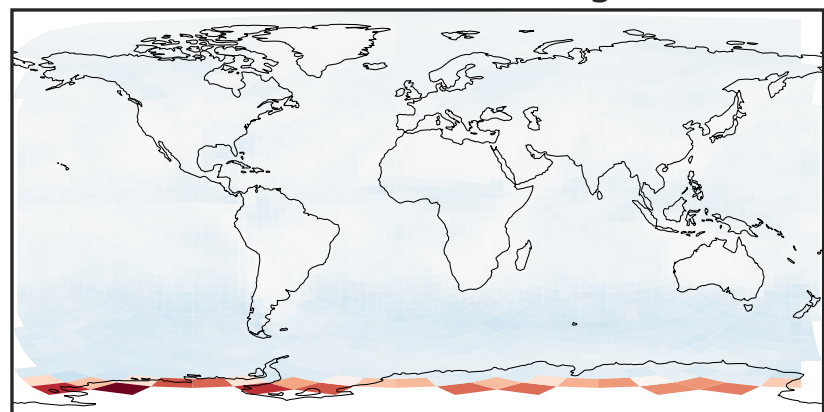
-0.005 0.000 0.005  
s-1

Ratio  
Dev/Ref, Dynamic Range



0.510 0.755 1.000 1.480 1.960  
unitless

Ratio  
Dev/Ref, Fixed Range

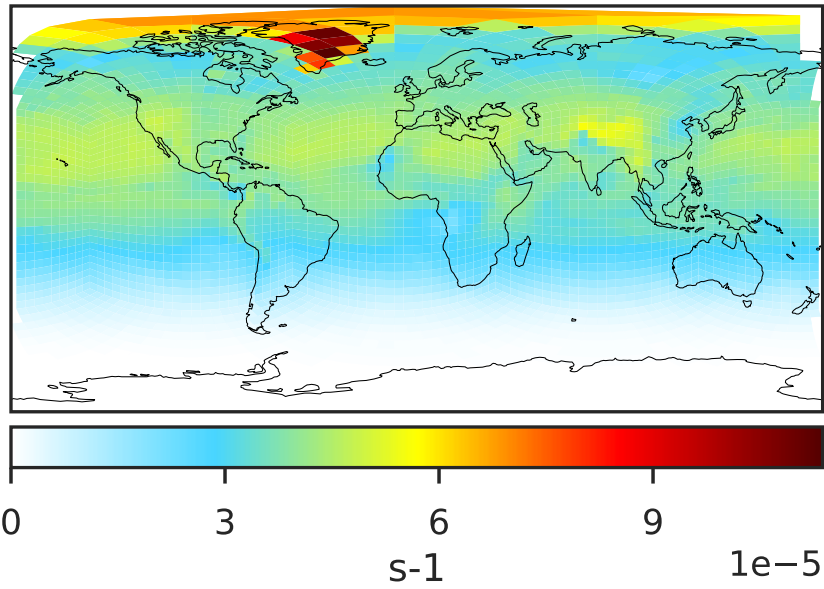


0.50 0.75 1.00 1.50 2.00  
unitless

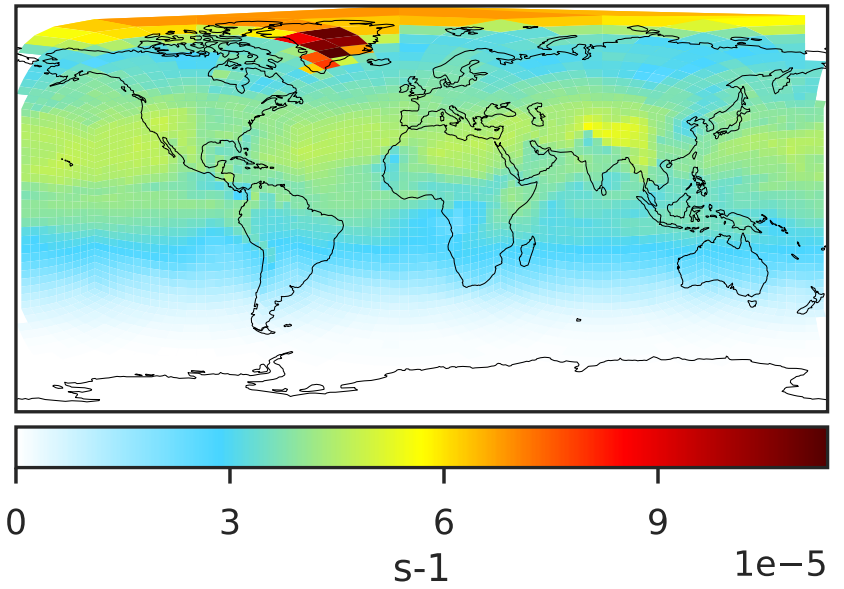


# Jval\_ETHLN (Jul2019)

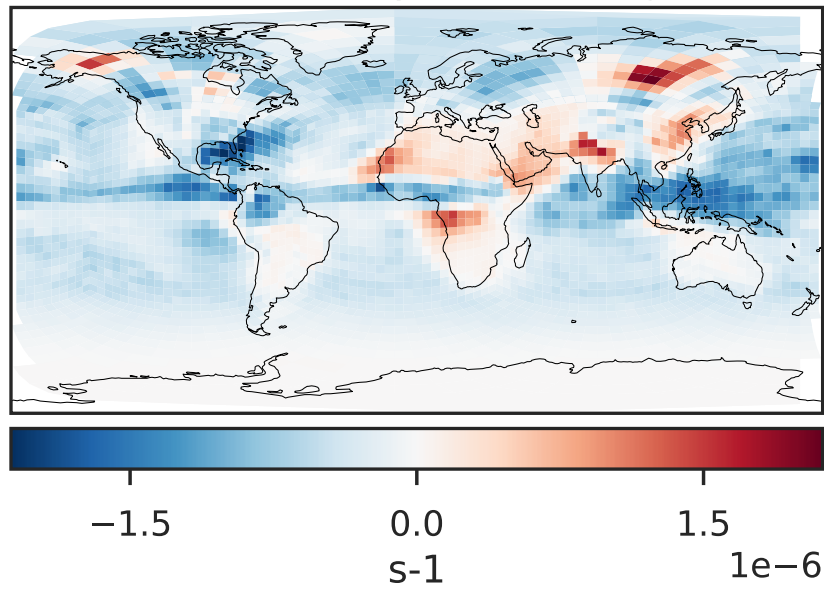
14.2.0-rc.2 (Ref)  
c24



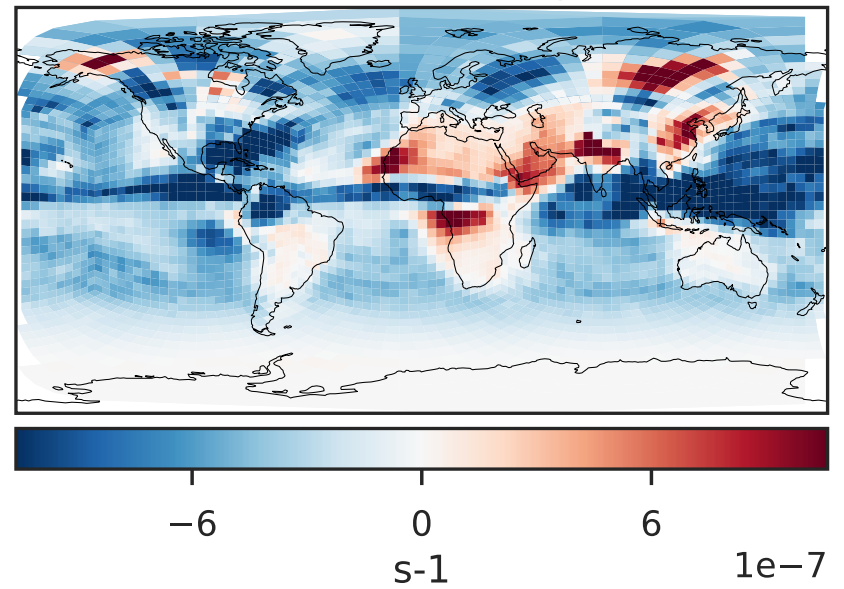
14.3.0-rc.0 (Dev)  
c24



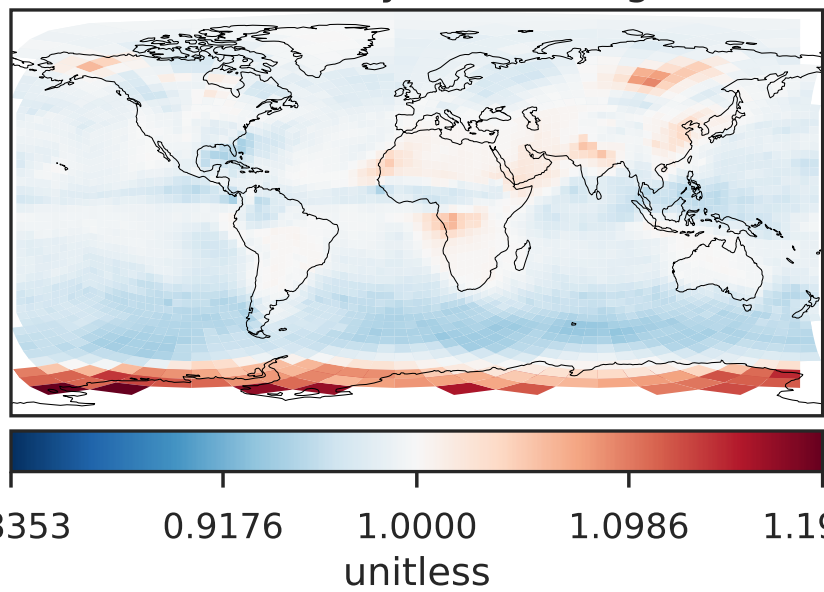
Difference  
Dev - Ref, Dynamic Range



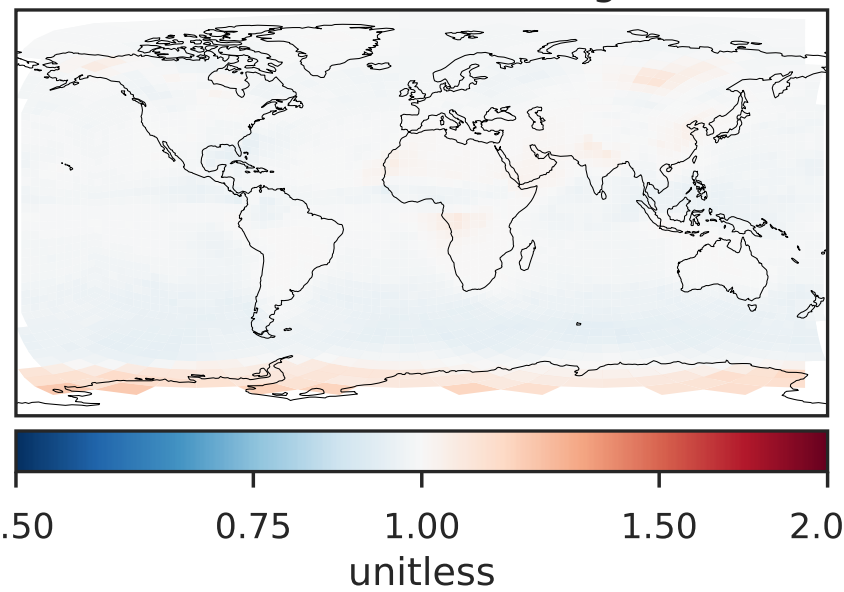
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



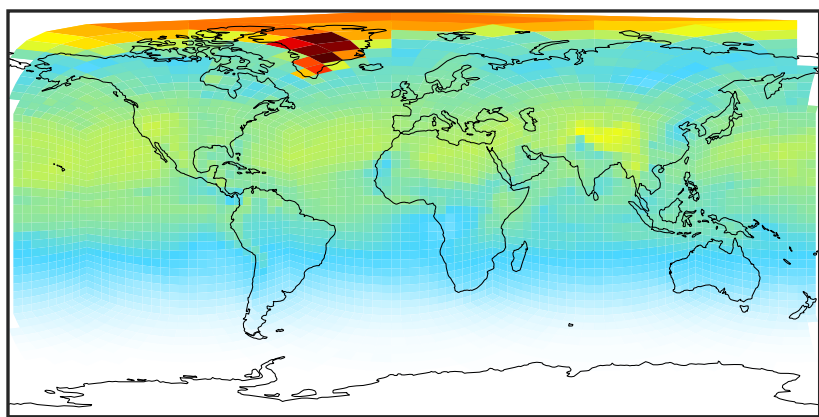
Ratio  
Dev/Ref, Fixed Range





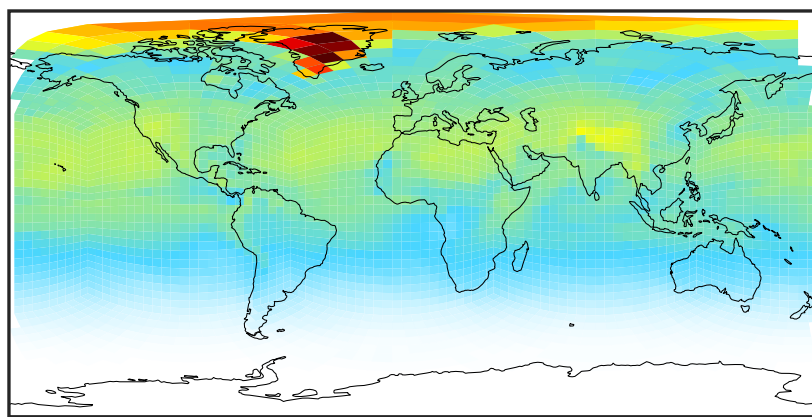
# Jval\_ETHP (Jul2019)

14.2.0-rc.2 (Ref)  
c24



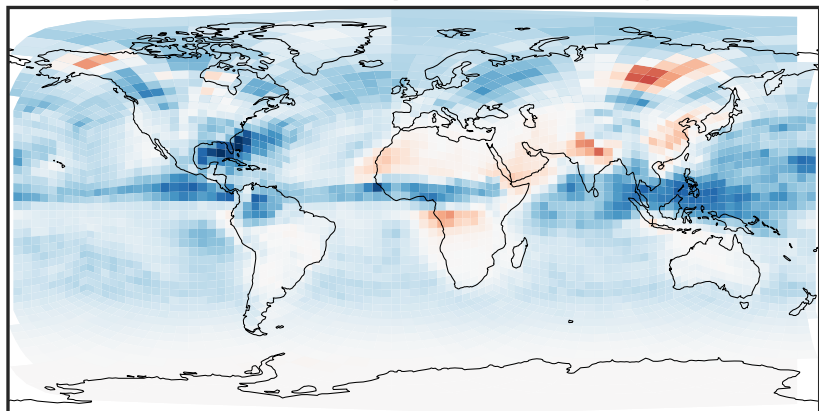
0.0 1.5 3.0 4.5  
s-1  $1e-6$

14.3.0-rc.0 (Dev)  
c24



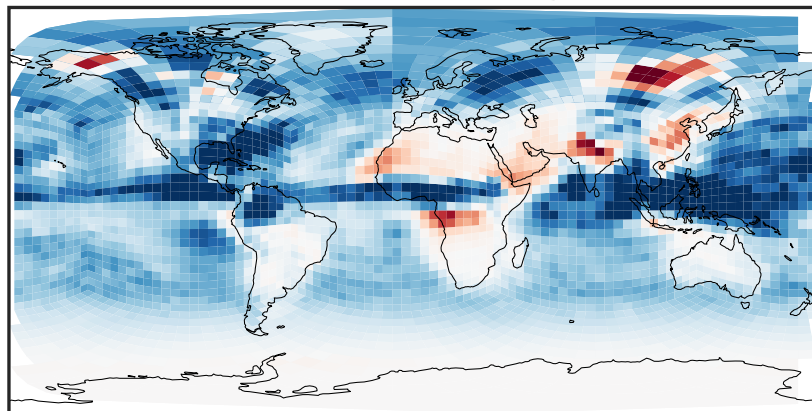
0.0 1.5 3.0 4.5  
s-1  $1e-6$

Difference  
Dev - Ref, Dynamic Range



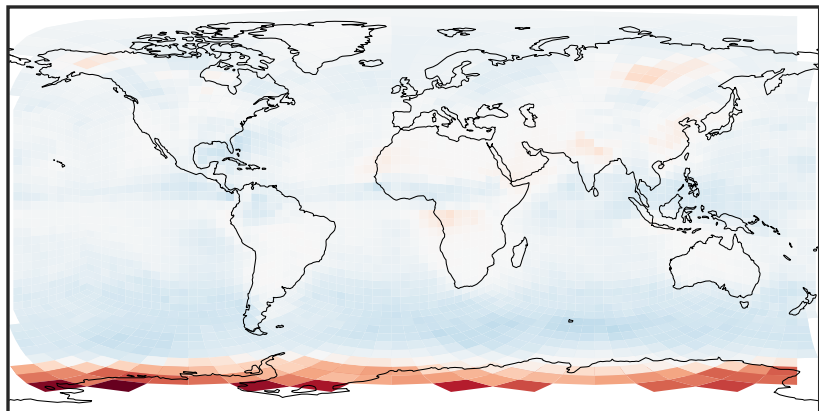
-5 0 5  
s-1  $1e-8$

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



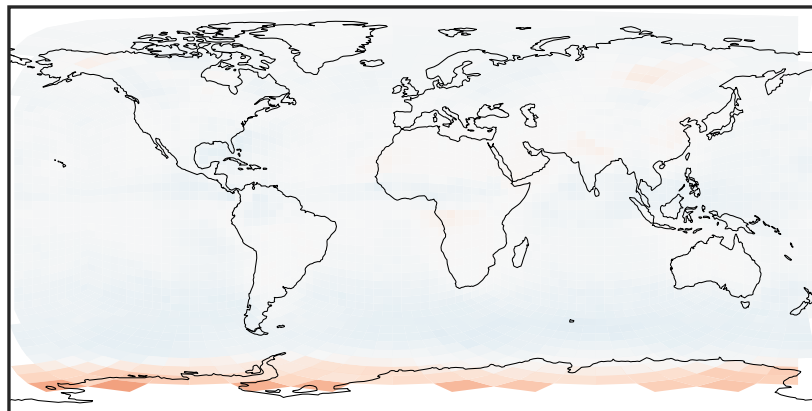
-2.5 0.0 2.5  
s-1  $1e-8$

Ratio  
Dev/Ref, Dynamic Range



0.7528 0.8764 1.0000 1.1642 1.3284  
unitless

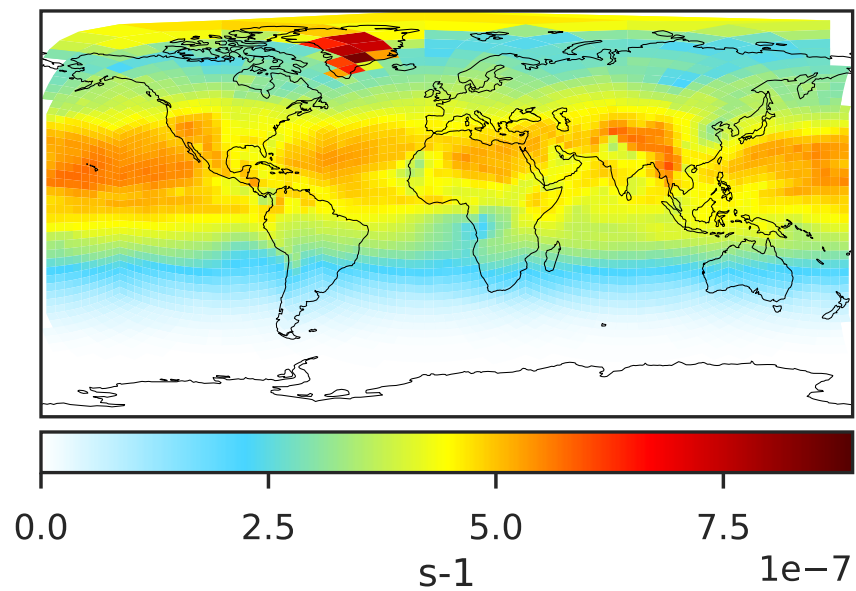
Ratio  
Dev/Ref, Fixed Range



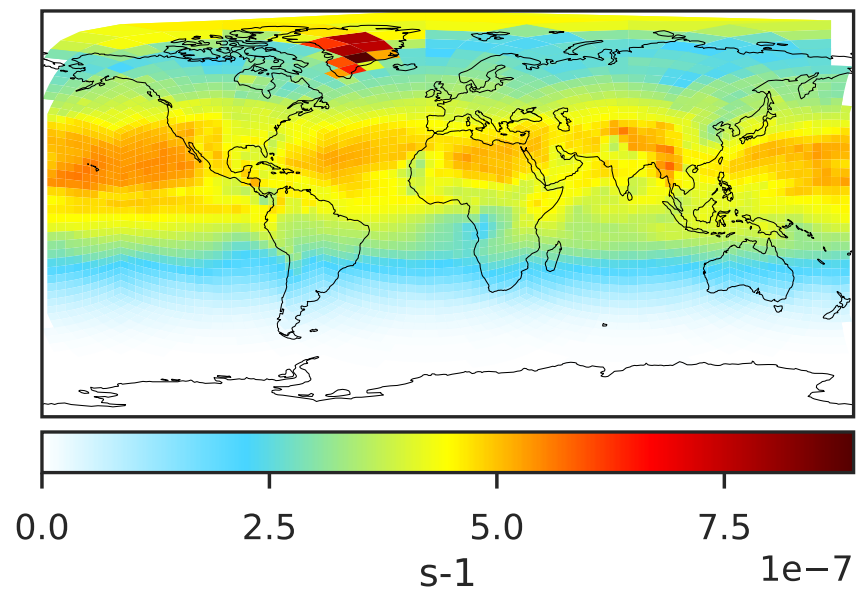
0.50 0.75 1.00 1.50 2.00  
unitless

# Jval\_ETNO3 (Jul2019)

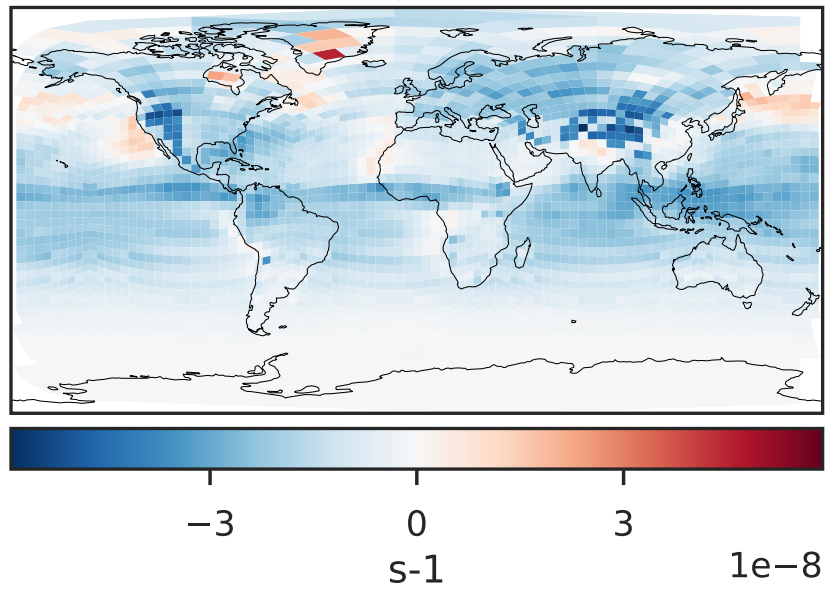
14.2.0-rc.2 (Ref)  
c24



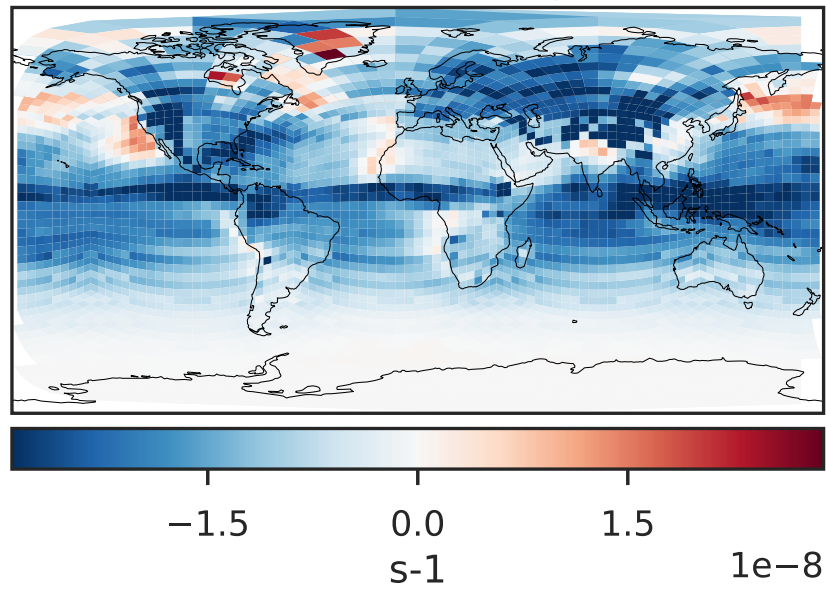
14.3.0-rc.0 (Dev)  
c24



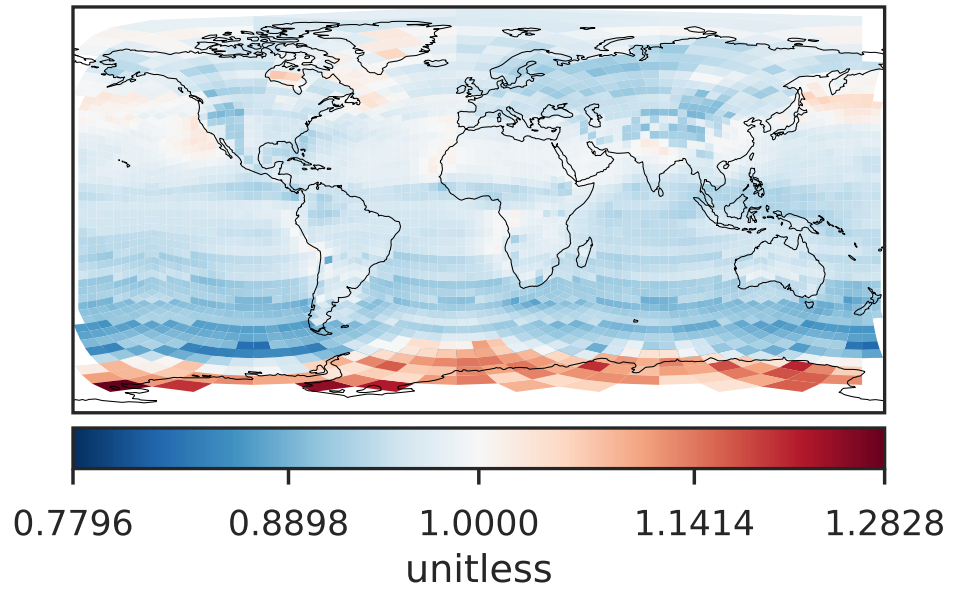
Difference  
Dev - Ref, Dynamic Range



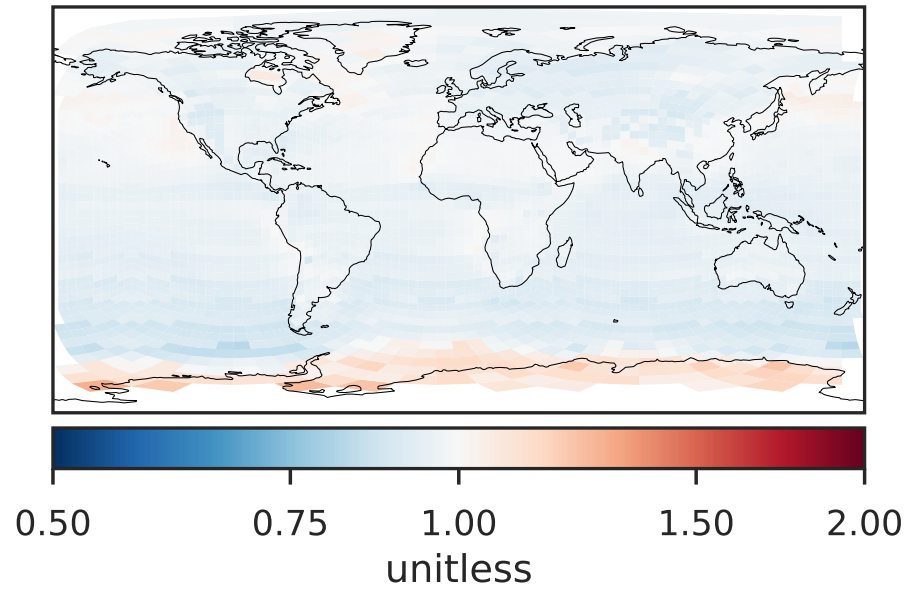
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



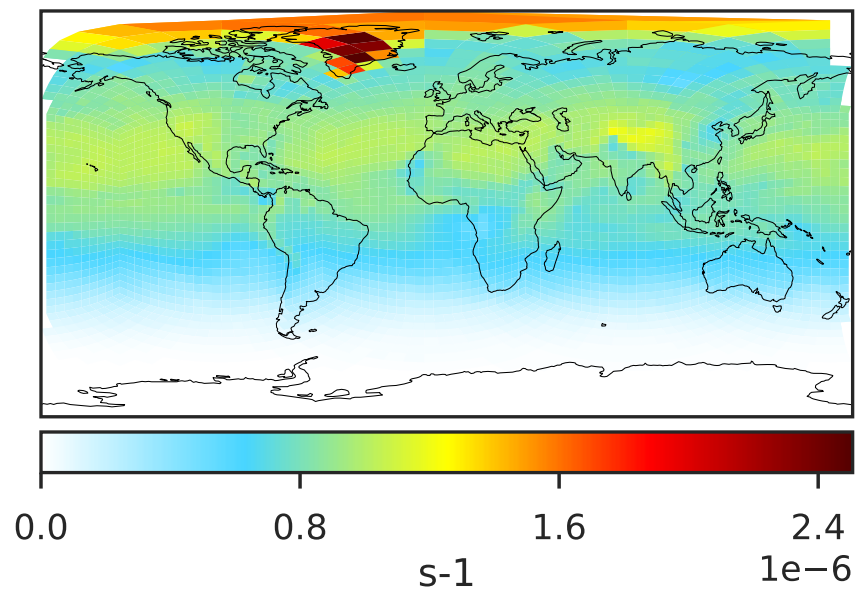
Ratio  
Dev/Ref, Fixed Range



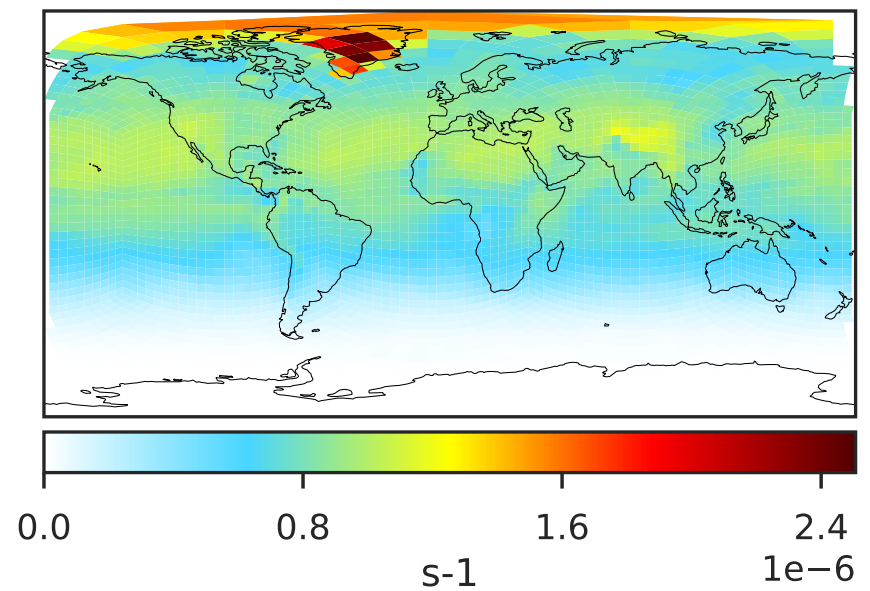


# Jval\_ETP (Jul2019)

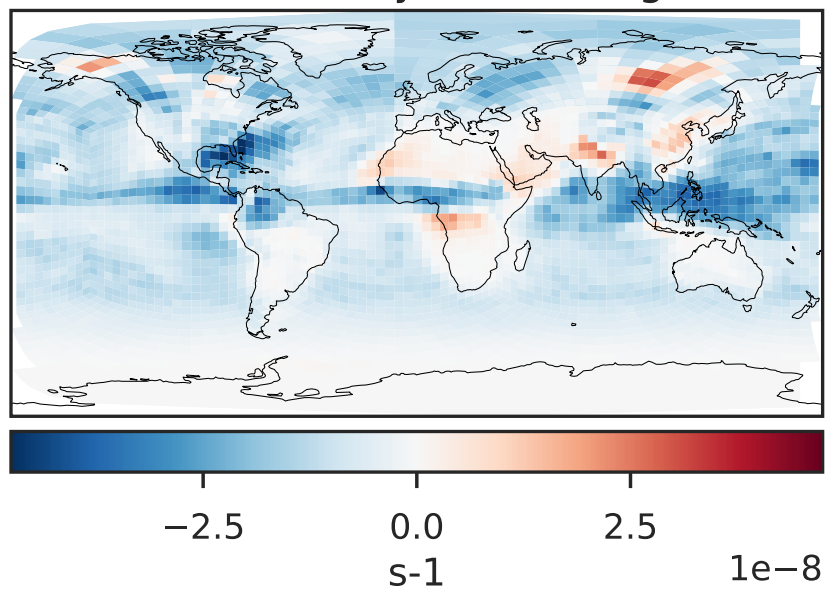
14.2.0-rc.2 (Ref)  
c24



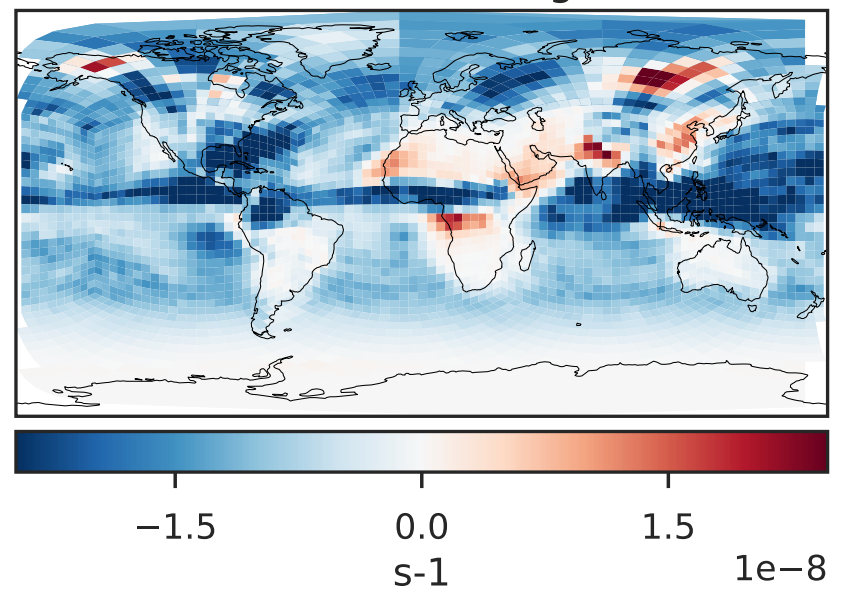
14.3.0-rc.0 (Dev)  
c24



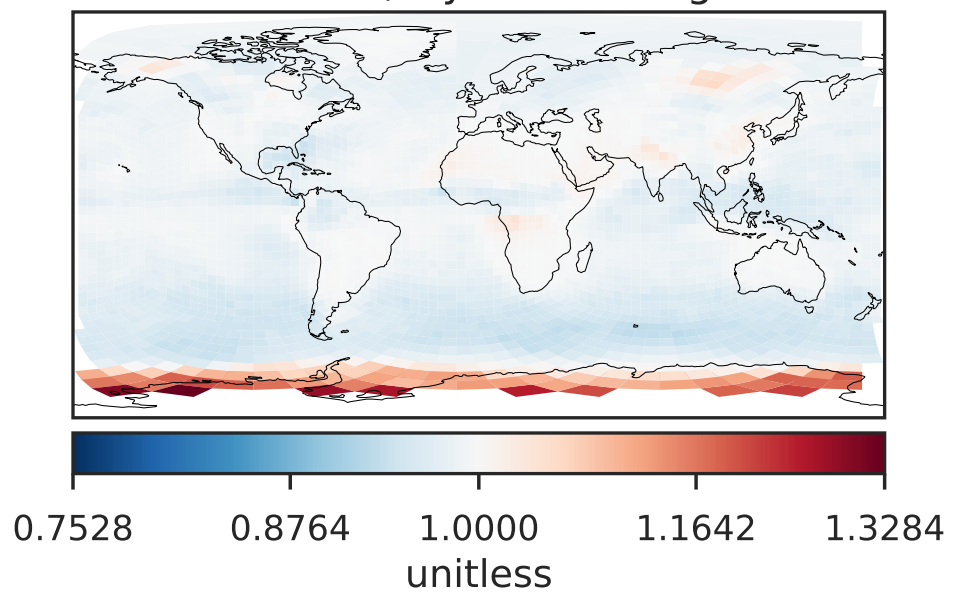
Difference  
Dev - Ref, Dynamic Range



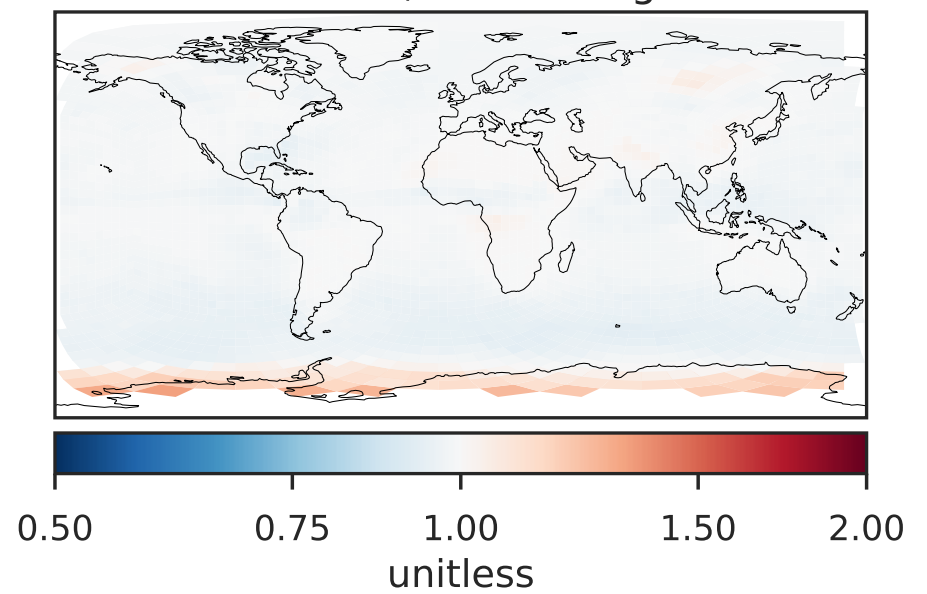
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



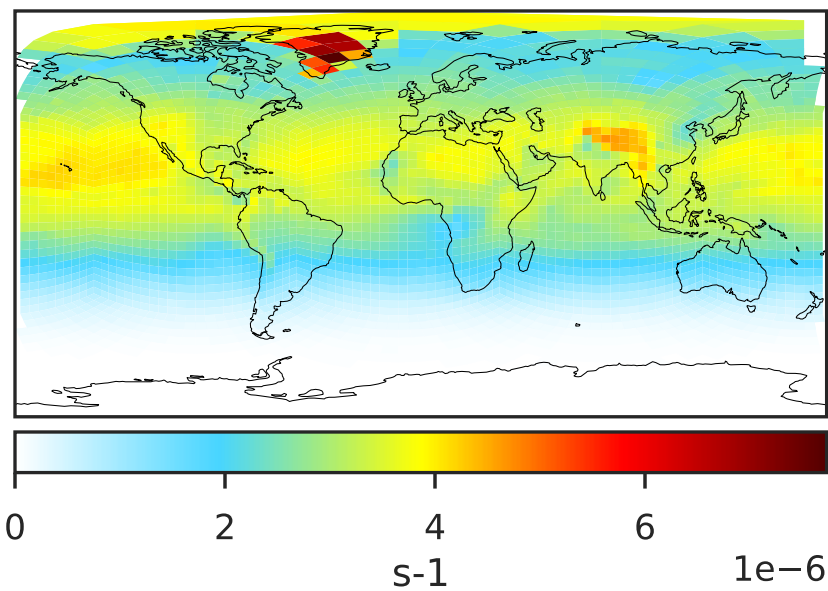
Ratio  
Dev/Ref, Fixed Range



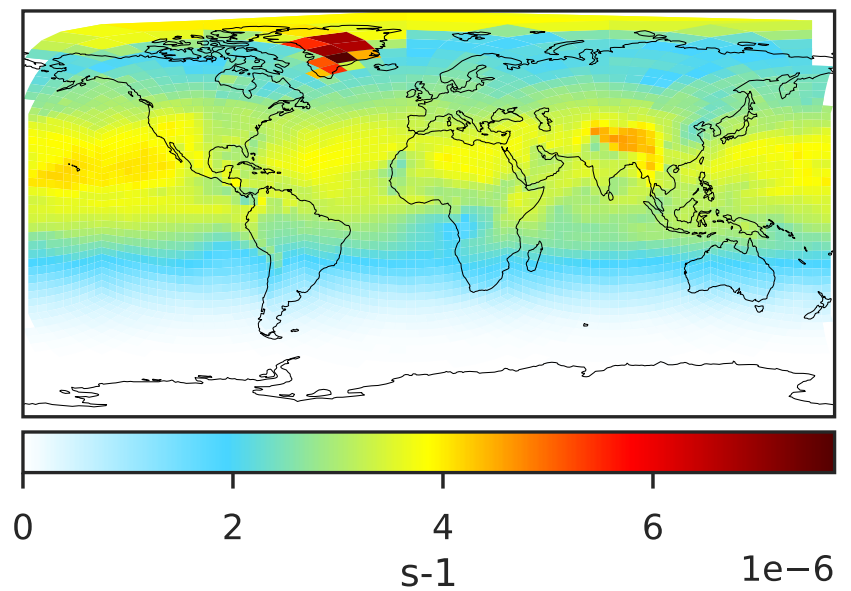


# Jval\_GLYC (Jul2019)

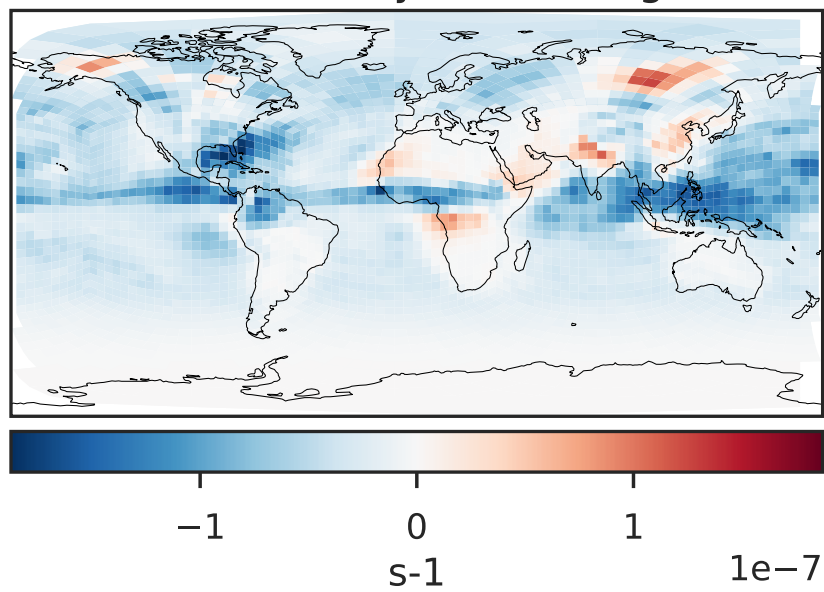
14.2.0-rc.2 (Ref)  
c24



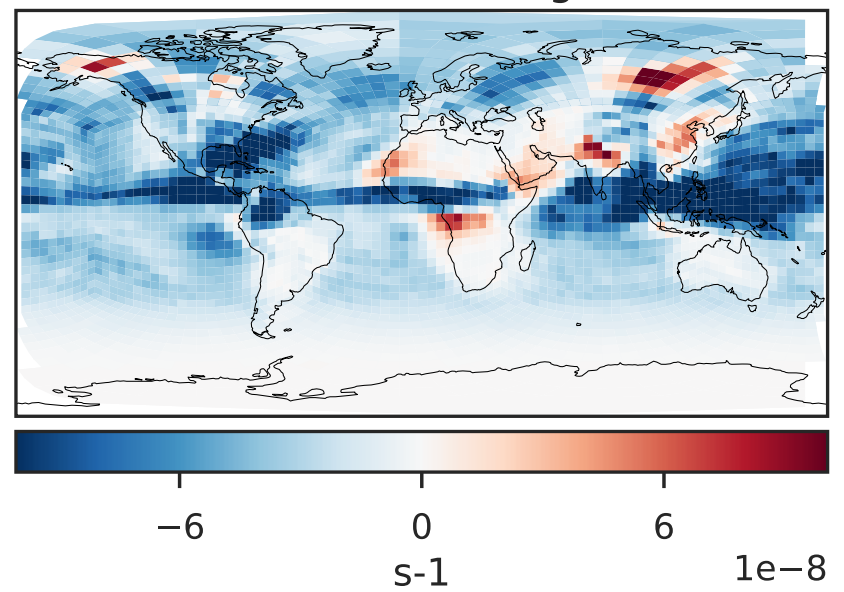
14.3.0-rc.0 (Dev)  
c24



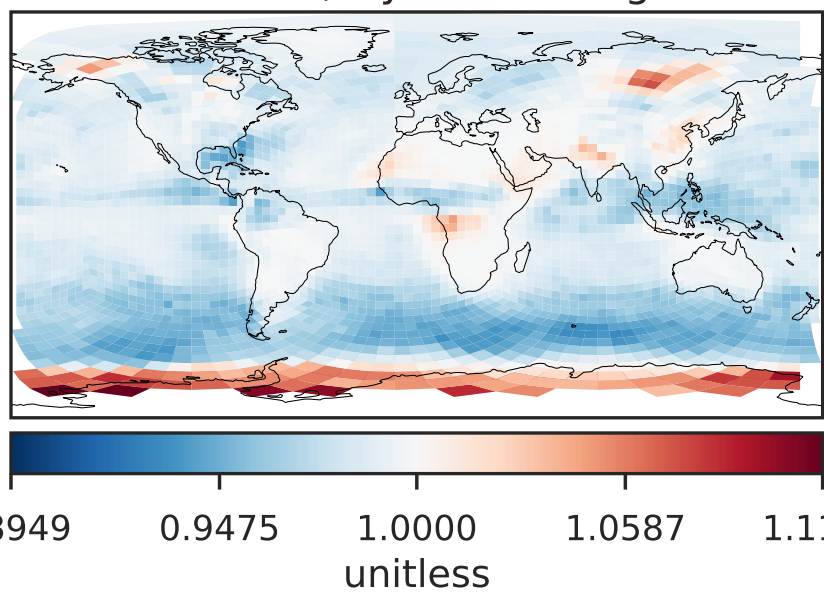
Difference  
Dev - Ref, Dynamic Range



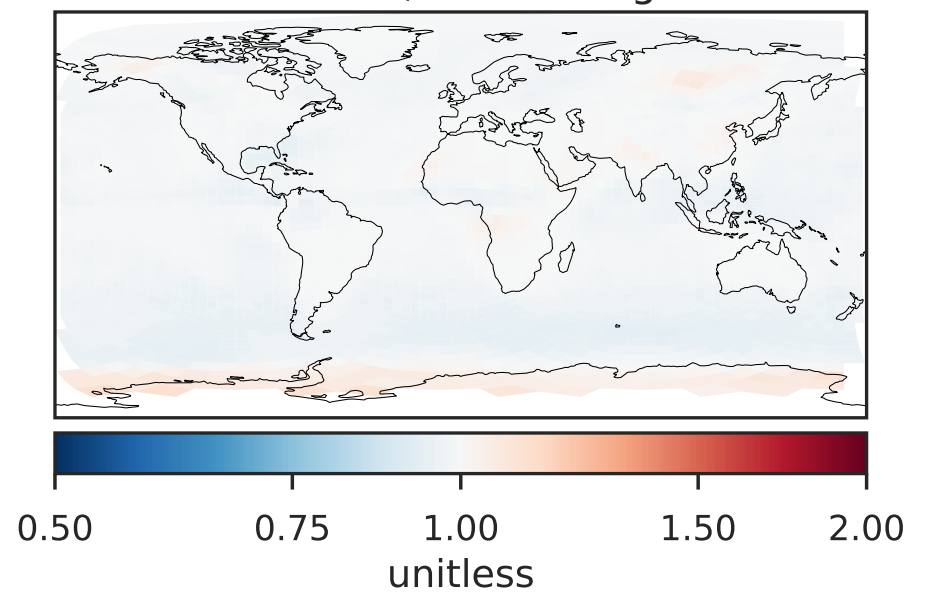
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

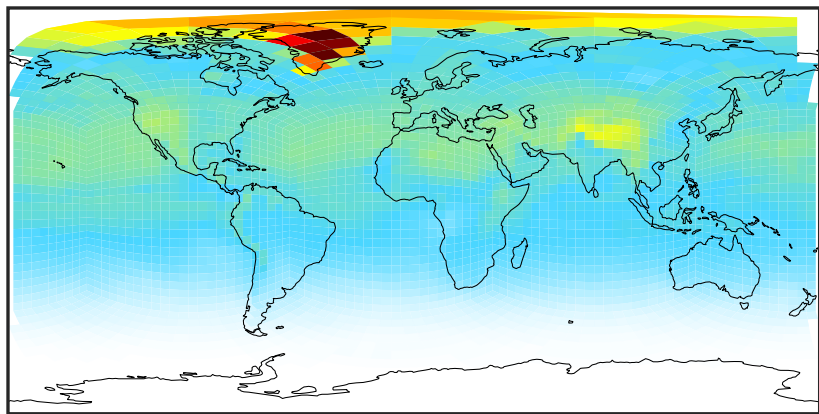


Ratio  
Dev/Ref, Fixed Range



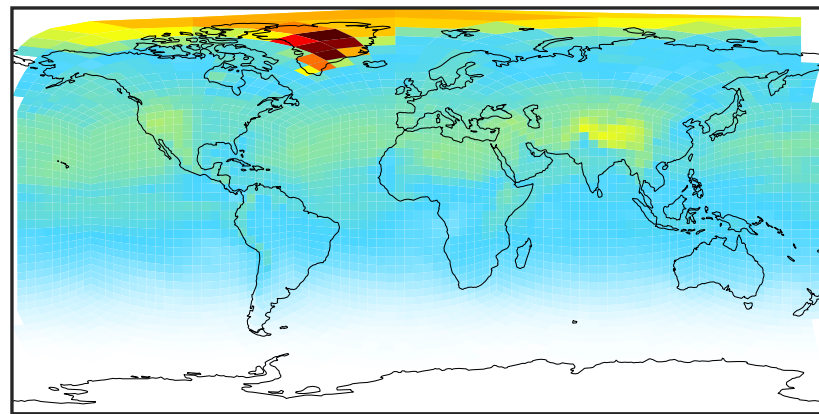
# Jval\_GLYX (Jul2019)

14.2.0-rc.2 (Ref)  
c24



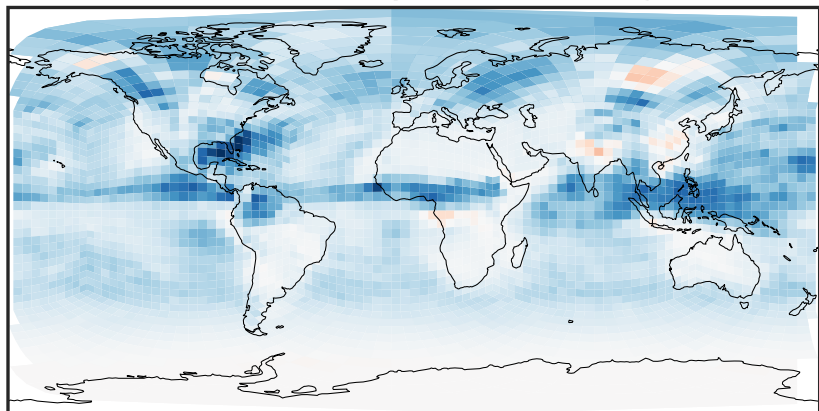
0.00000 0.00004 0.00008 0.00012  
s-1

14.3.0-rc.0 (Dev)  
c24



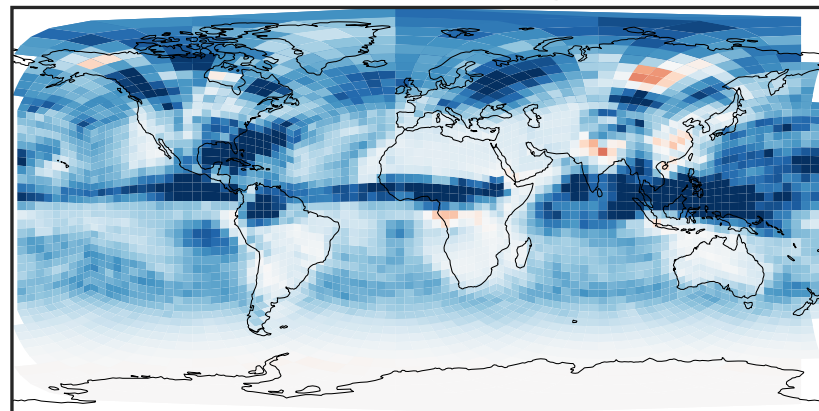
0.00000 0.00004 0.00008 0.00012  
s-1

Difference  
Dev - Ref, Dynamic Range



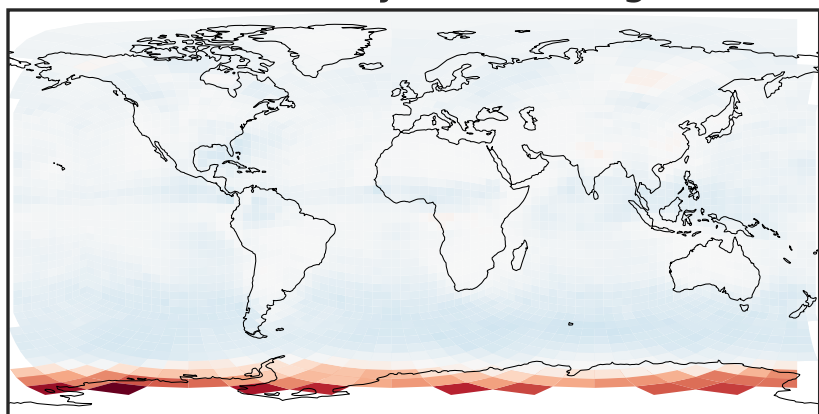
-1.5 0.0 1.5  
s-1 1e-6

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



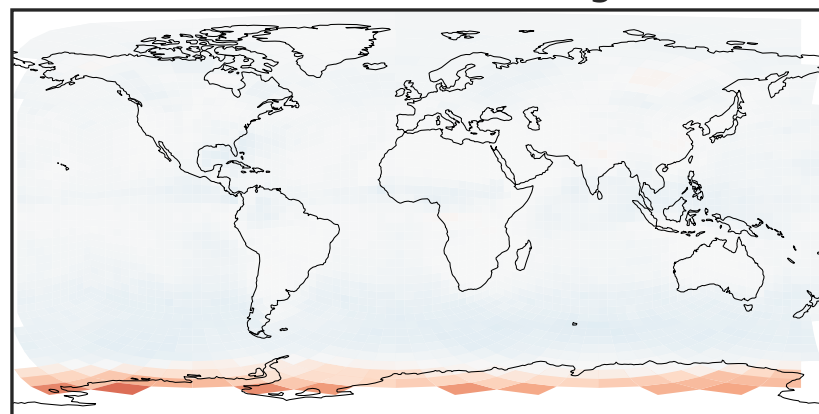
-8 0 8  
s-1 1e-7

Ratio  
Dev/Ref, Dynamic Range



0.6776 0.8388 1.0000 1.2379 1.4758  
unitless

Ratio  
Dev/Ref, Fixed Range

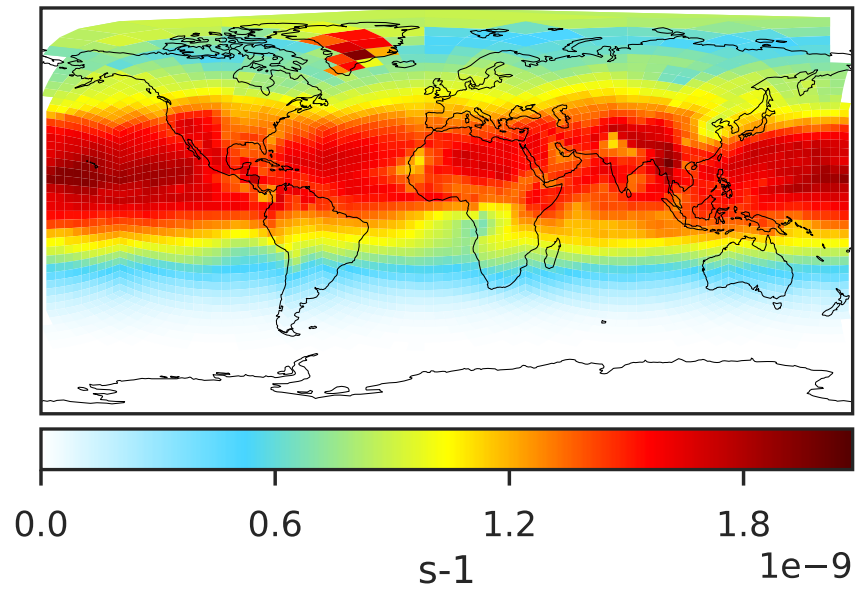


0.50 0.75 1.00 1.50 2.00  
unitless

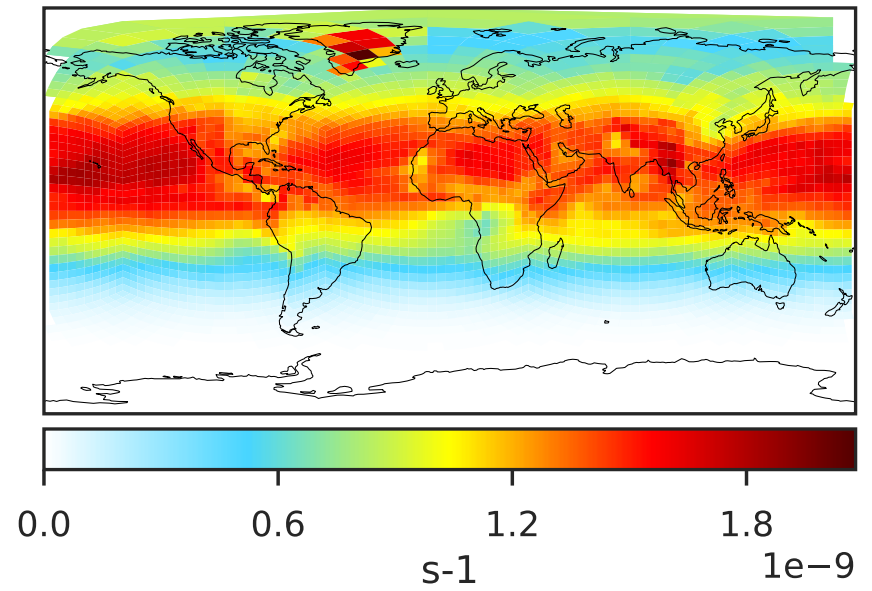


# Jval\_H1211 (Jul2019)

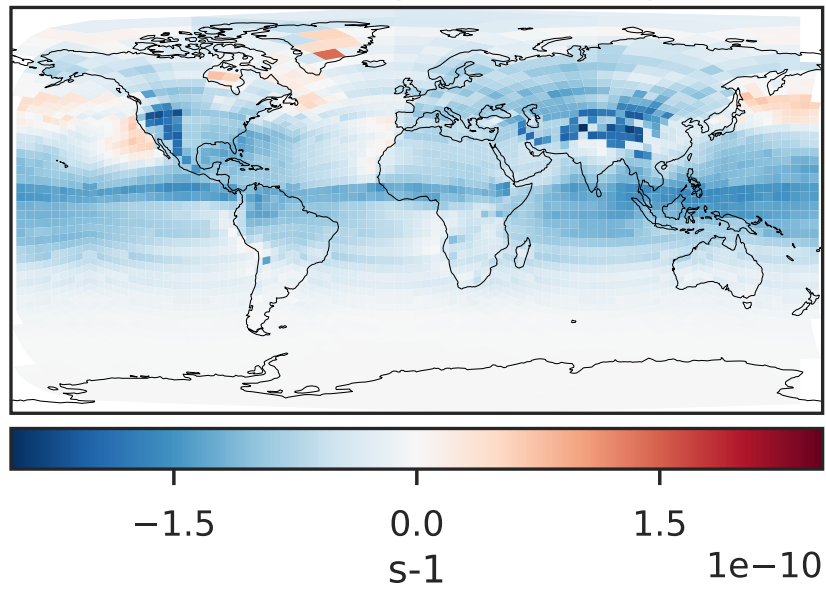
14.2.0-rc.2 (Ref)  
c24



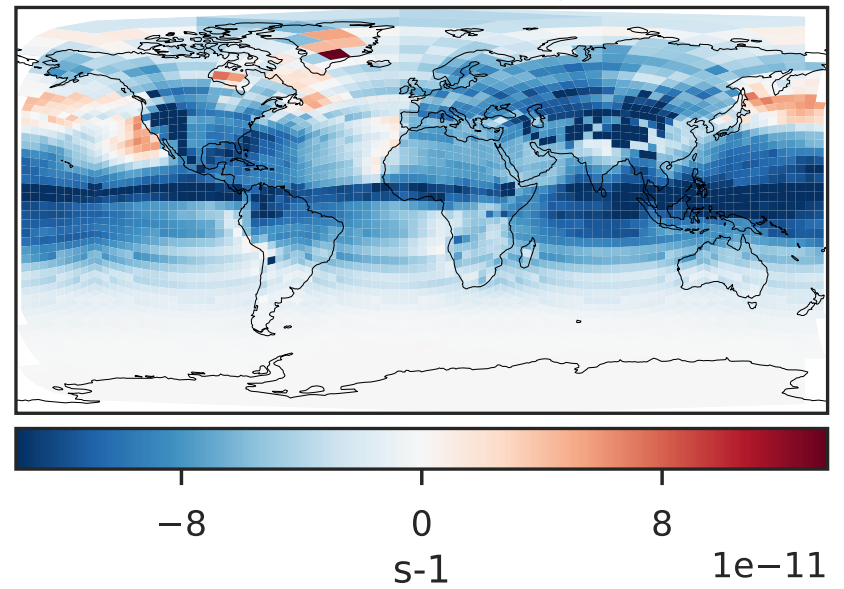
14.3.0-rc.0 (Dev)  
c24



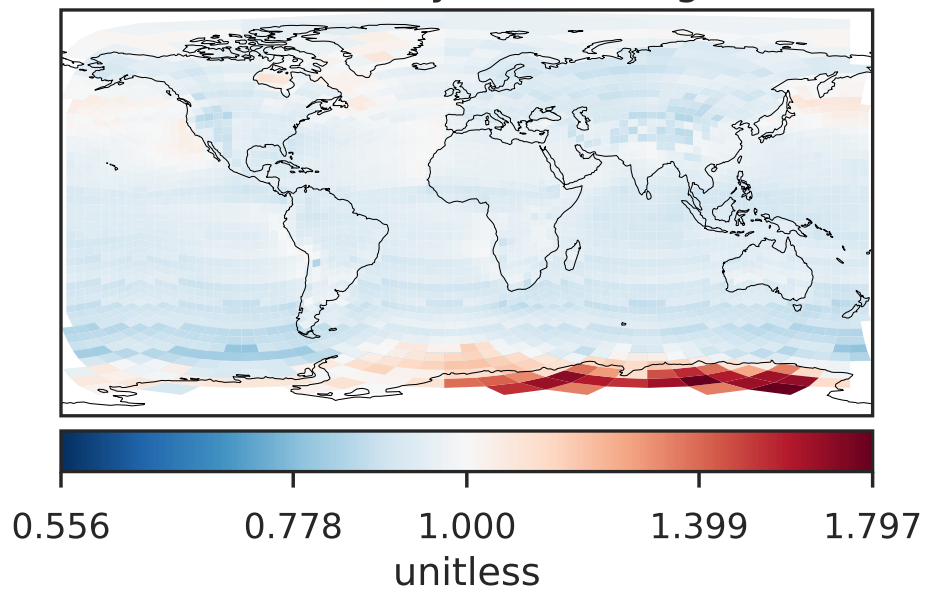
Difference  
Dev - Ref, Dynamic Range



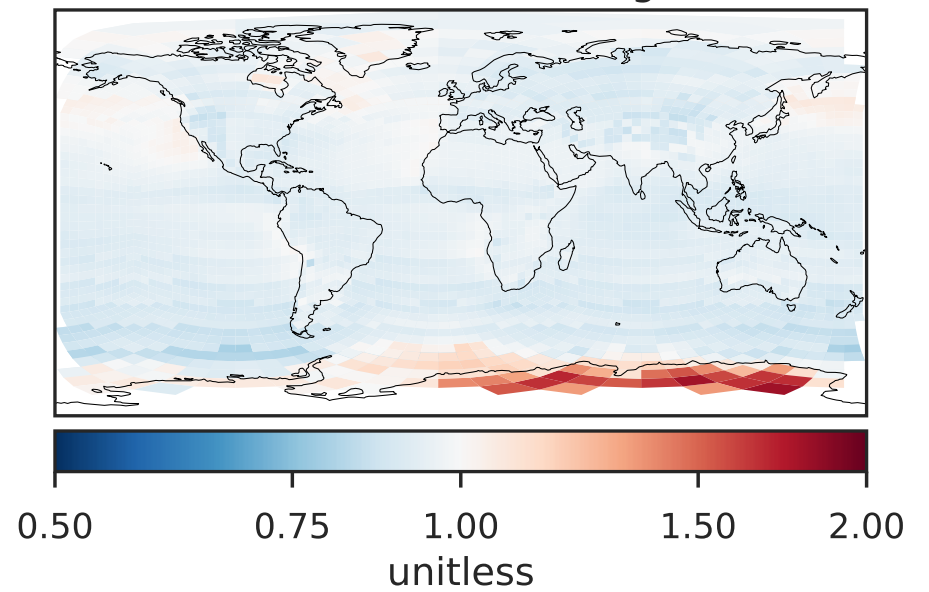
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



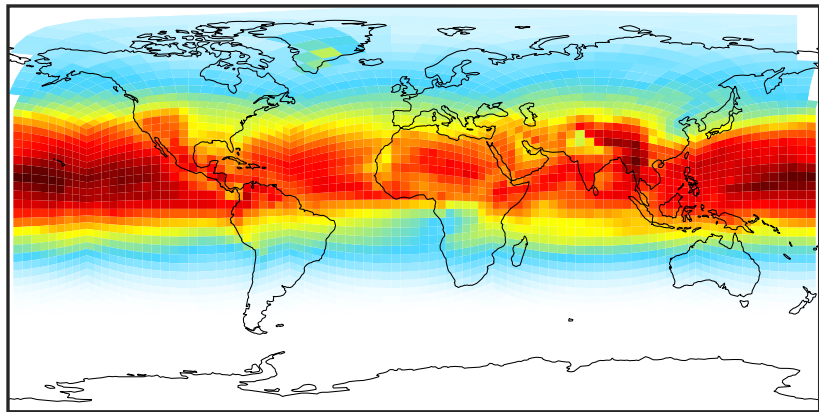
Ratio  
Dev/Ref, Fixed Range





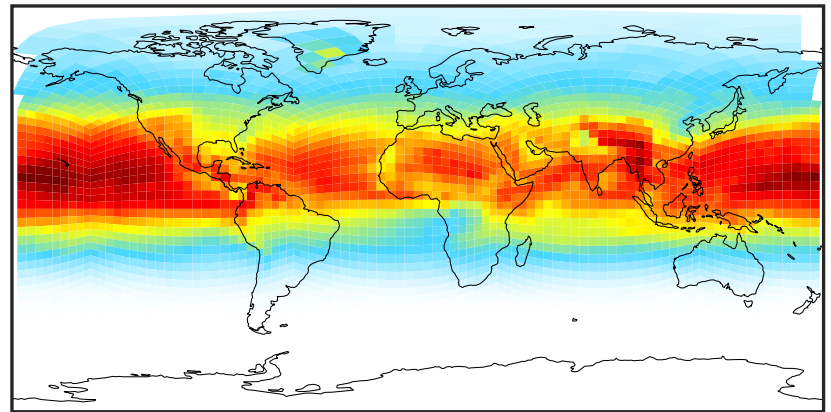
# Jval\_H1301 (Jul2019)

14.2.0-rc.2 (Ref)  
c24



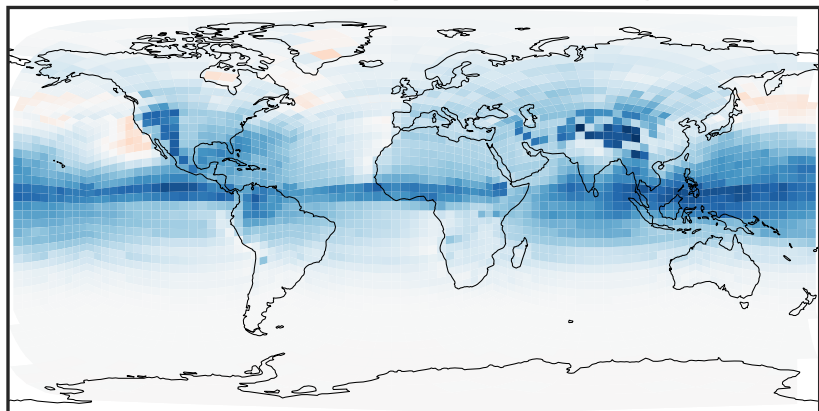
0.0 0.4 0.8 1.2  
s-1  $1e-12$

14.3.0-rc.0 (Dev)  
c24



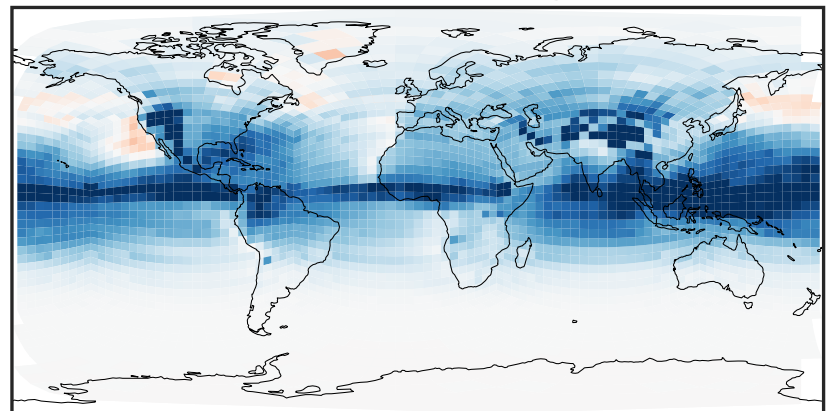
0.0 0.4 0.8 1.2  
s-1  $1e-12$

Difference  
Dev - Ref, Dynamic Range



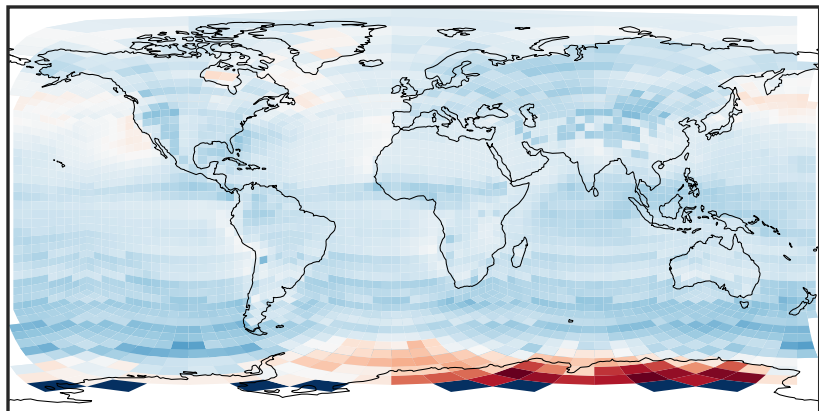
-6 0 6  
s-1  $1e-14$

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



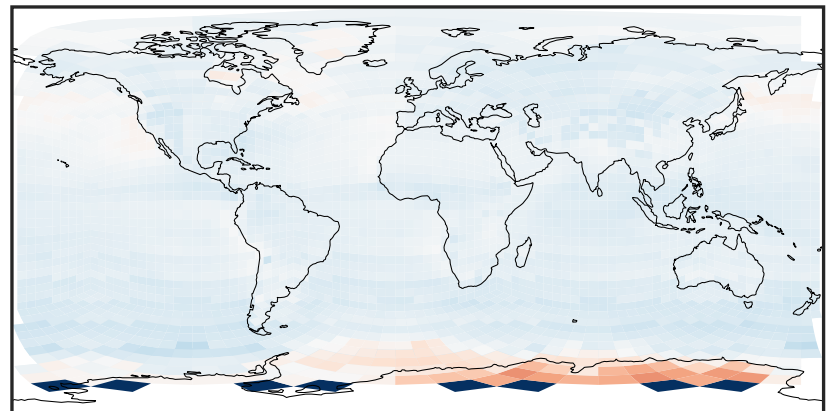
-4 0 4  
s-1  $1e-14$

Ratio  
Dev/Ref, Dynamic Range



0.7271 0.8636 1.0000 1.1876 1.3753  
unitless

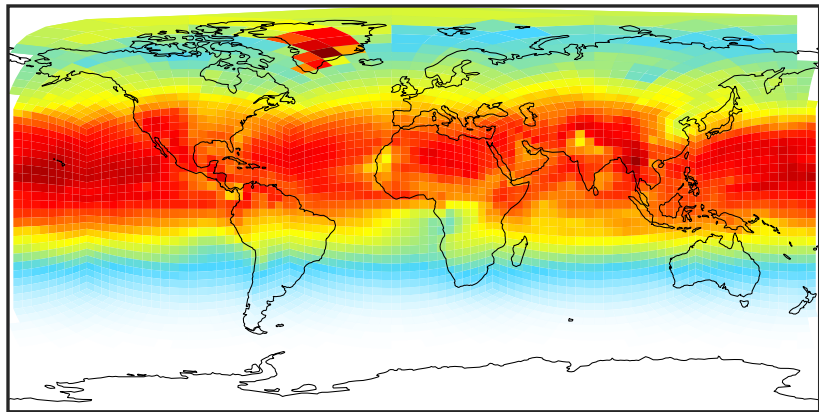
Ratio  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

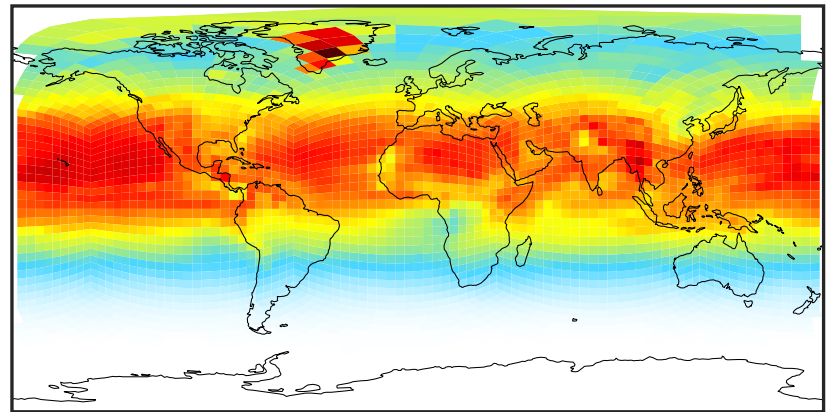
# Jval\_H2402 (Jul2019)

14.2.0-rc.2 (Ref)  
c24



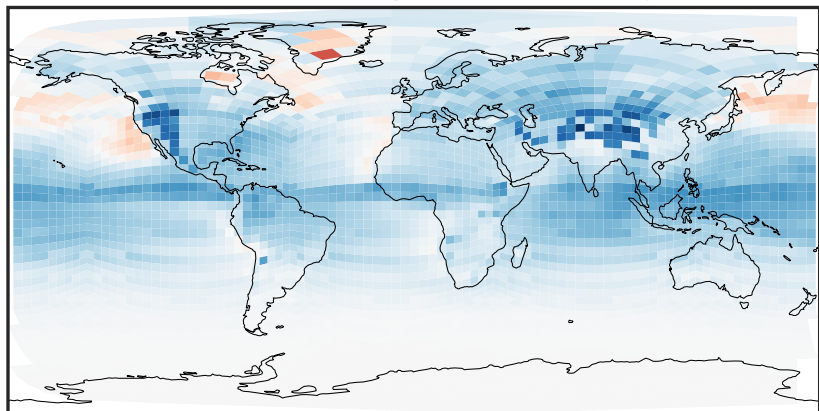
0.0 0.4 0.8 1.2  
s-1  $1e-9$

14.3.0-rc.0 (Dev)  
c24



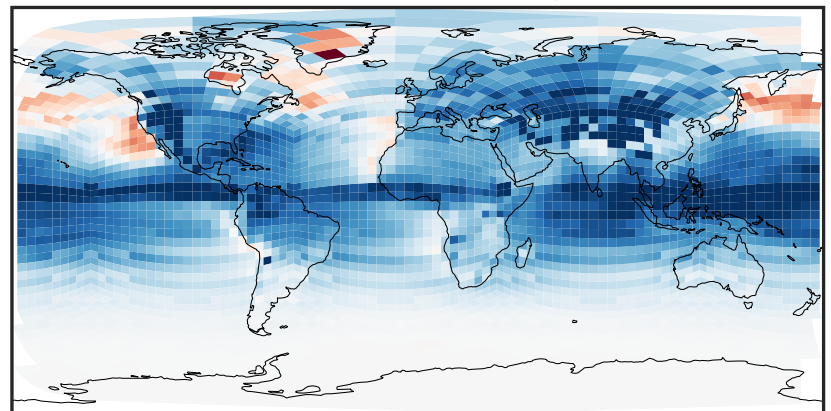
0.0 0.4 0.8 1.2  
s-1  $1e-9$

Difference  
Dev - Ref, Dynamic Range



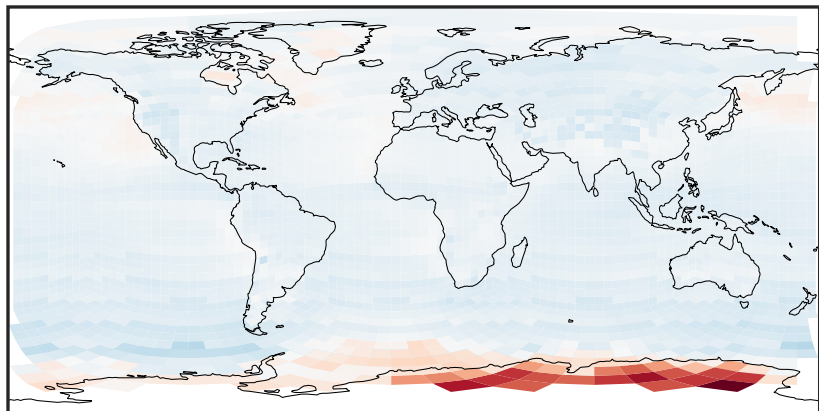
-1 0 1  
s-1  $1e-10$

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



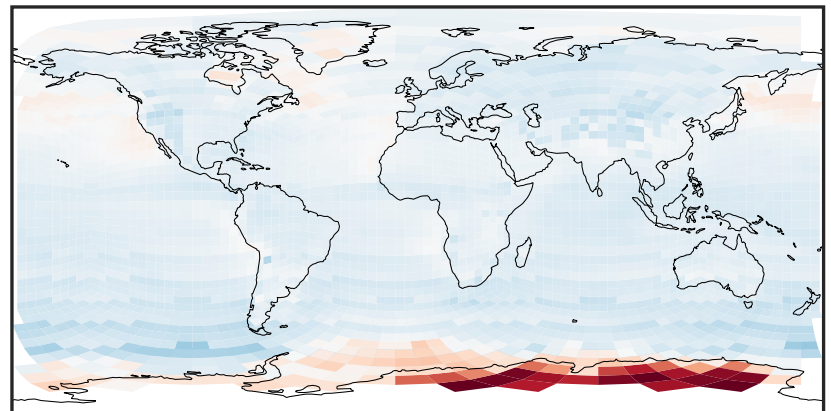
-5 0 5  
s-1  $1e-11$

Ratio  
Dev/Ref, Dynamic Range



0.401 0.700 1.000 1.748 2.497  
unitless

Ratio  
Dev/Ref, Fixed Range

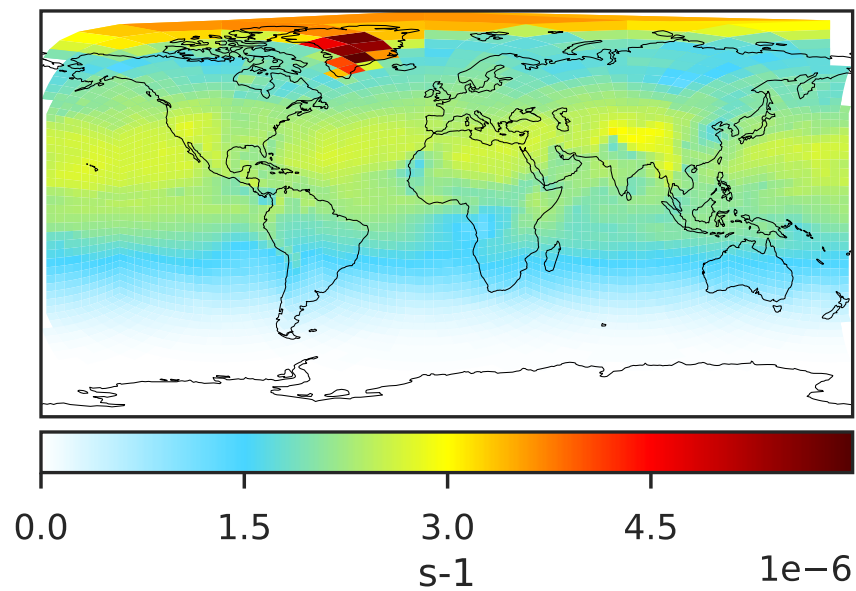


0.50 0.75 1.00 1.50 2.00  
unitless

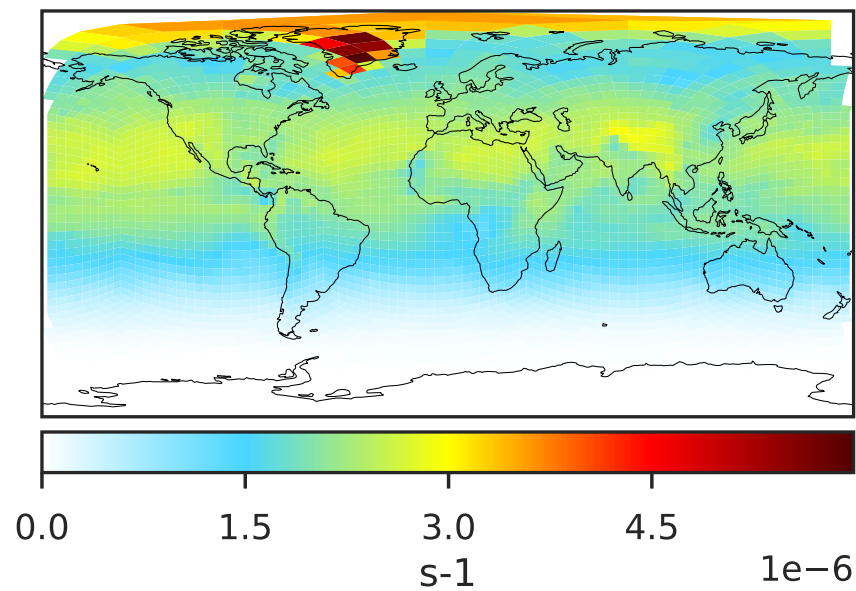


# Jval\_H2O2 (Jul2019)

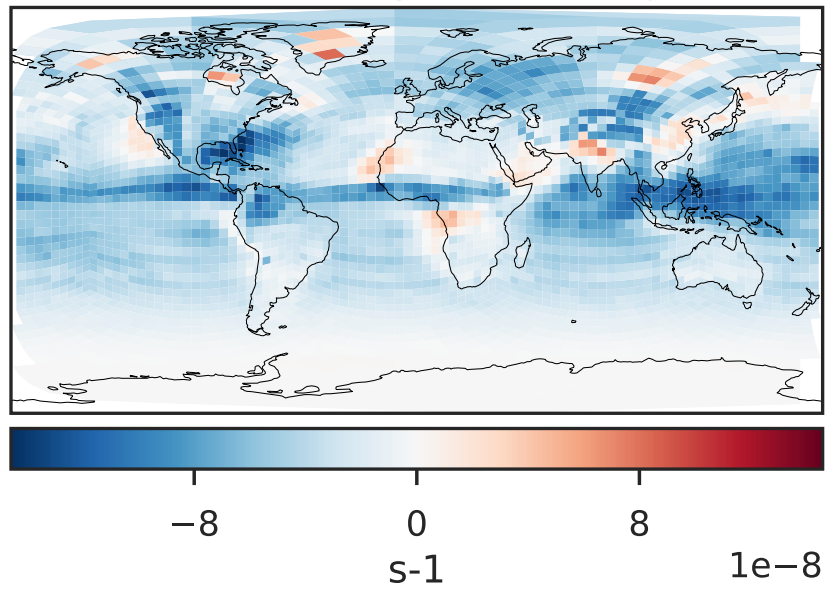
14.2.0-rc.2 (Ref)  
c24



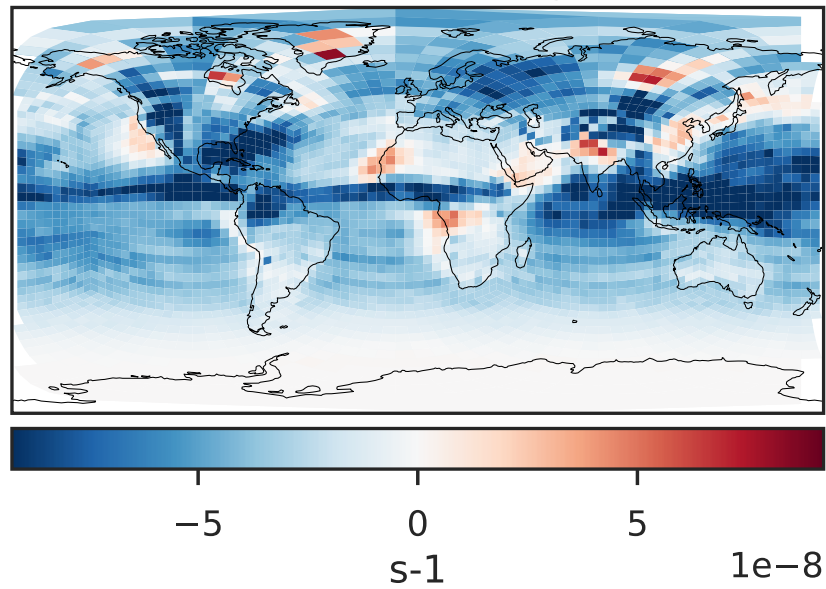
14.3.0-rc.0 (Dev)  
c24



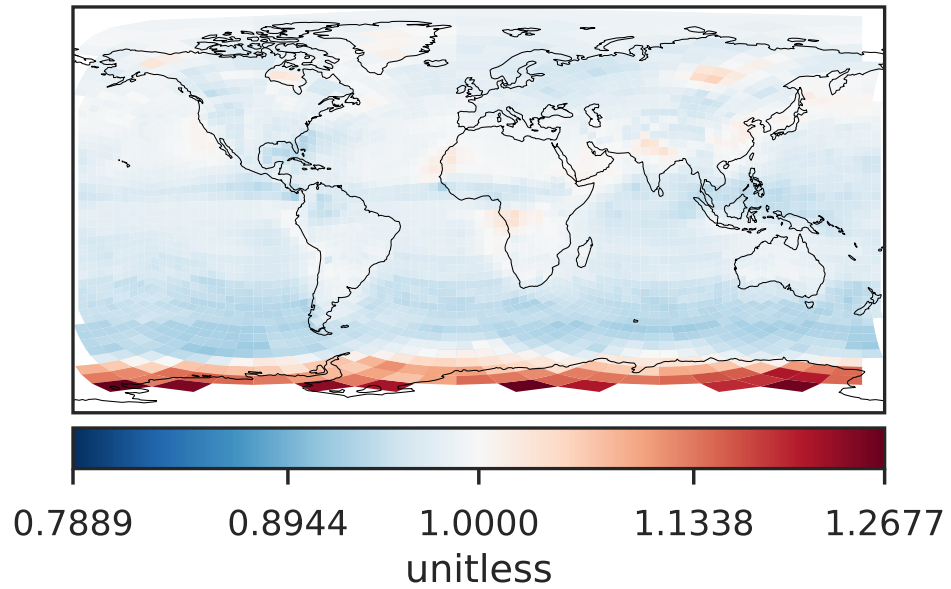
Difference  
Dev - Ref, Dynamic Range



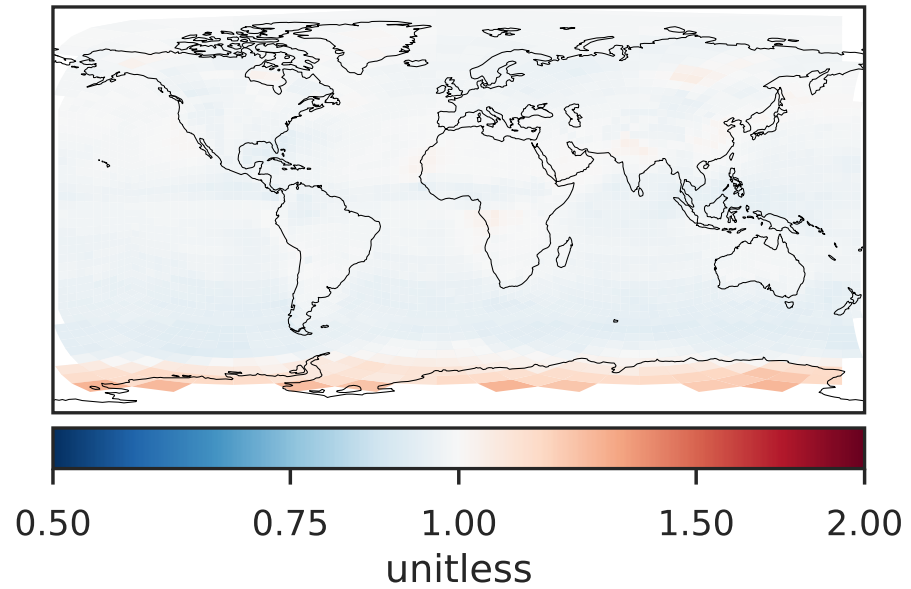
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



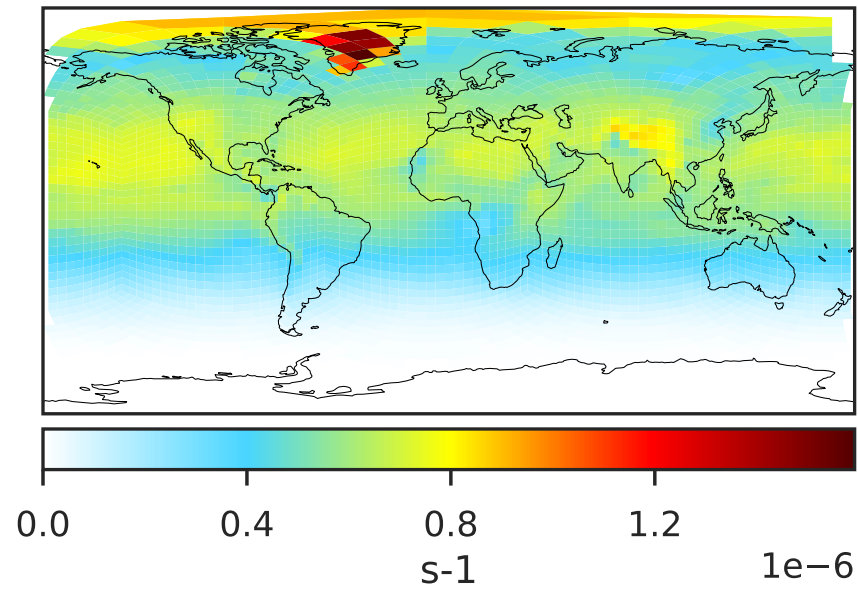
Ratio  
Dev/Ref, Fixed Range



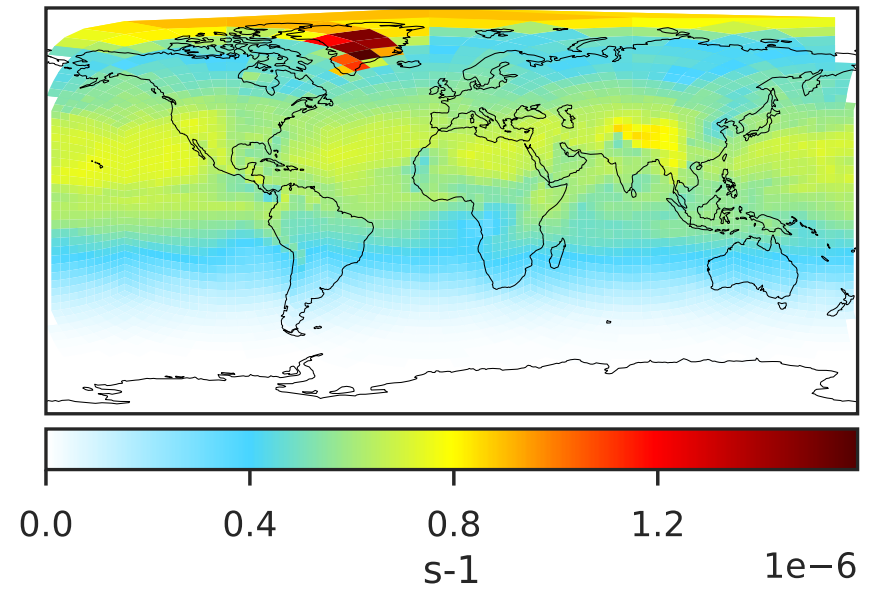


# Jval\_HAC (Jul2019)

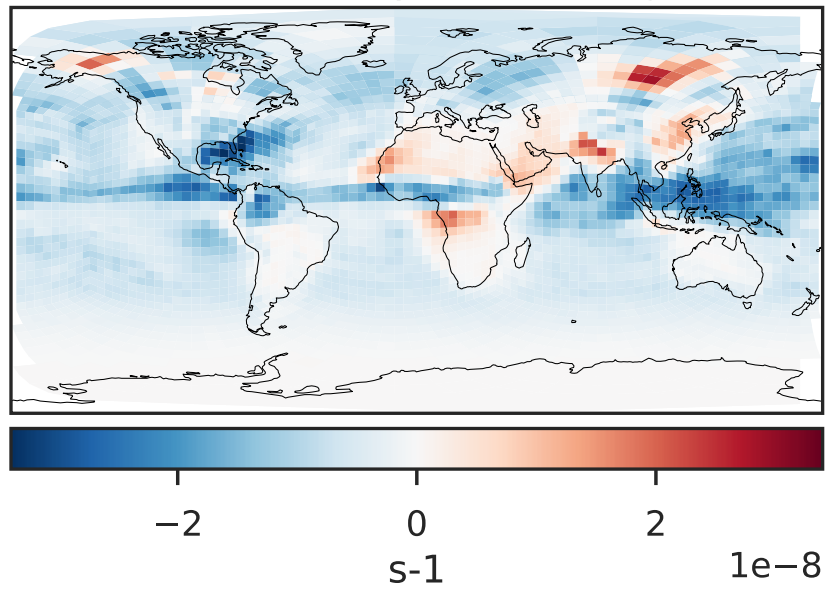
14.2.0-rc.2 (Ref)  
c24



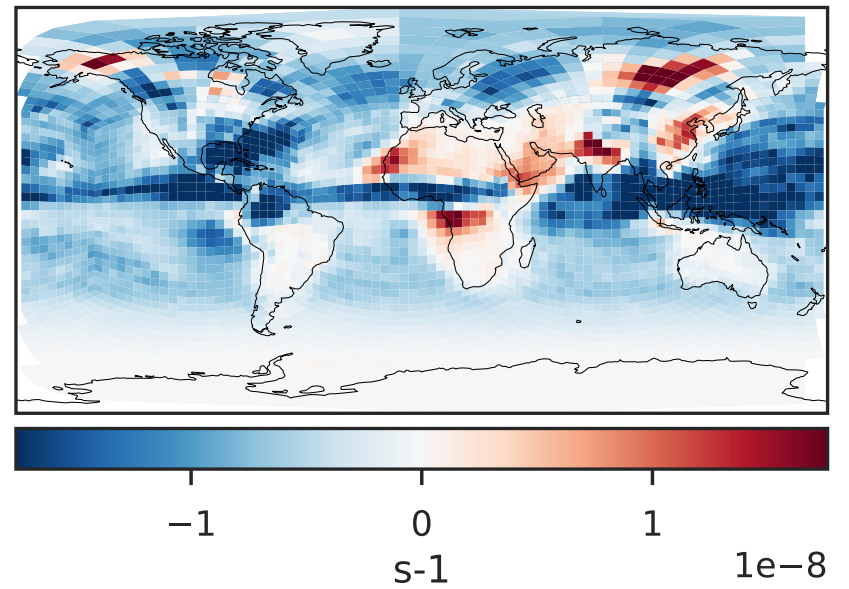
14.3.0-rc.0 (Dev)  
c24



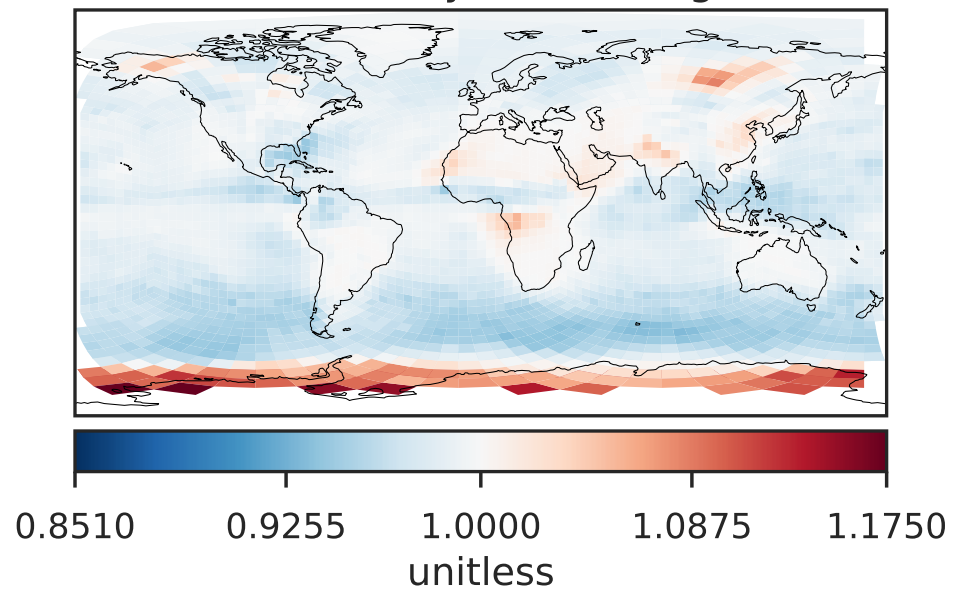
Difference  
Dev - Ref, Dynamic Range



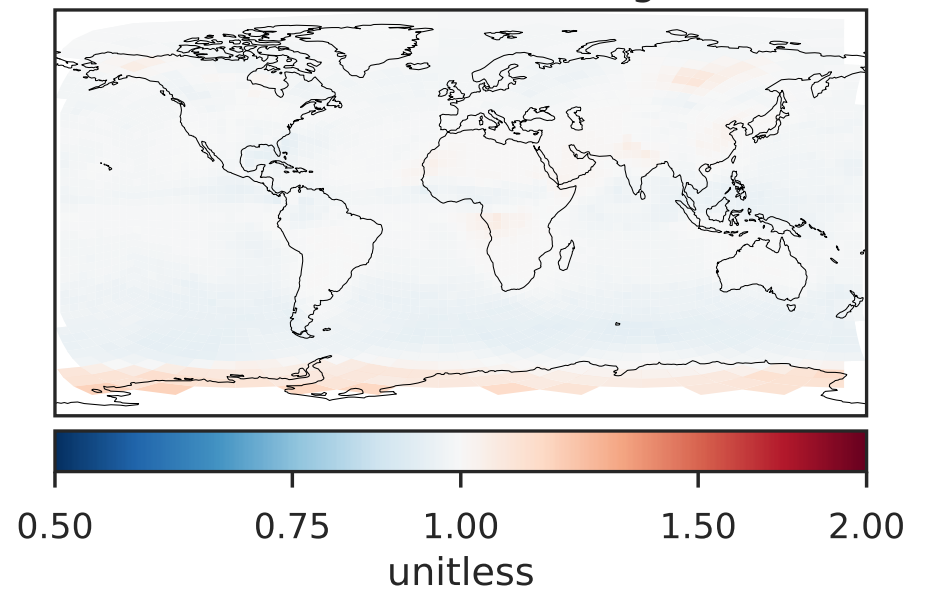
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

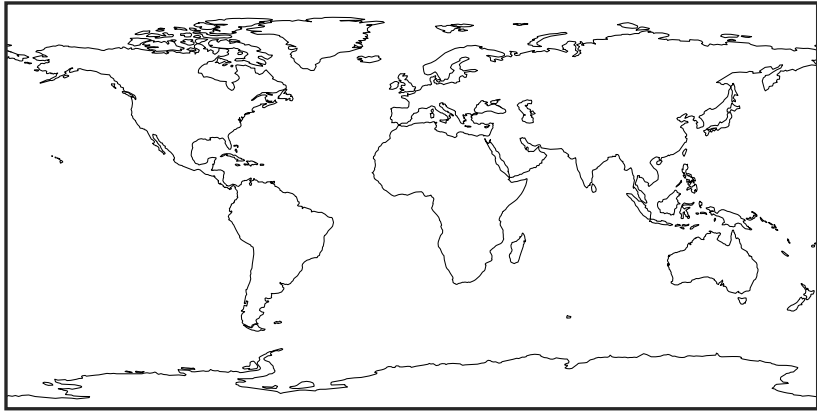


Ratio  
Dev/Ref, Fixed Range



# Jval\_HC5A (Jul2019)

14.2.0-rc.2 (Ref)  
c24



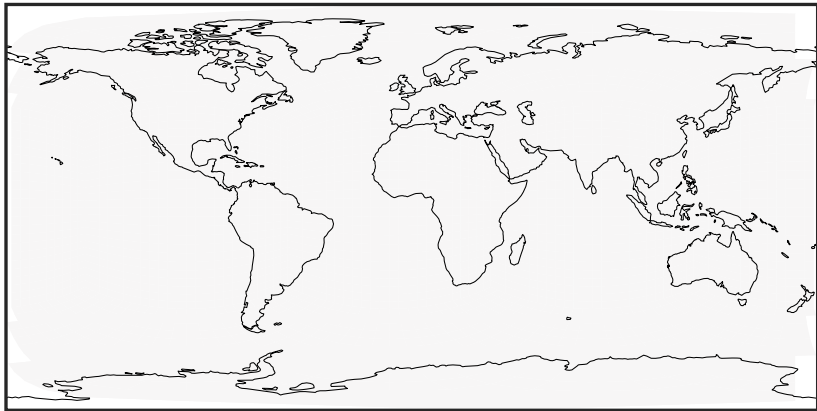
Zero throughput domain  
s-1

14.3.0-rc.0 (Dev)  
c24



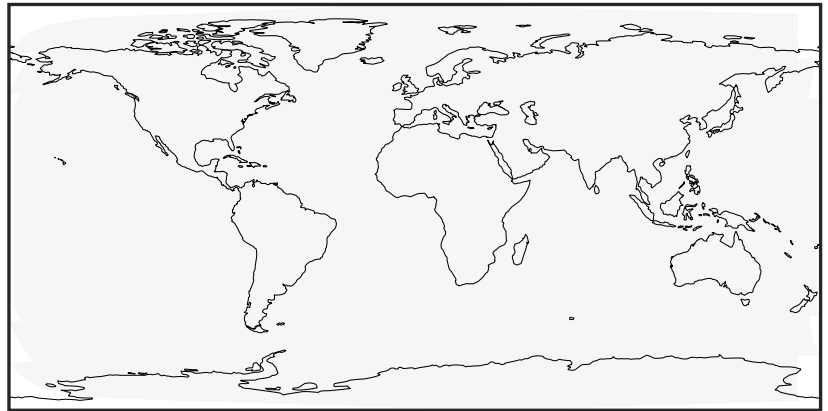
Zero throughput domain  
s-1

Difference  
Dev - Ref, Dynamic Range



Zero throughput domain  
s-1

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



Zero throughput domain  
s-1

Ratio  
Dev/Ref, Dynamic Range



Undefined throughput domain  
unitless

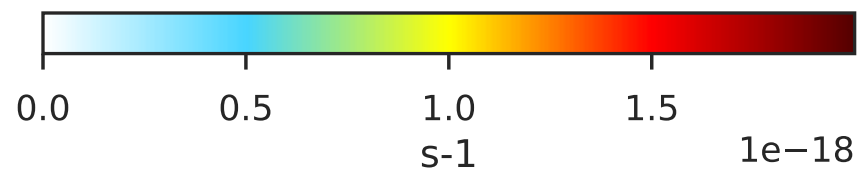
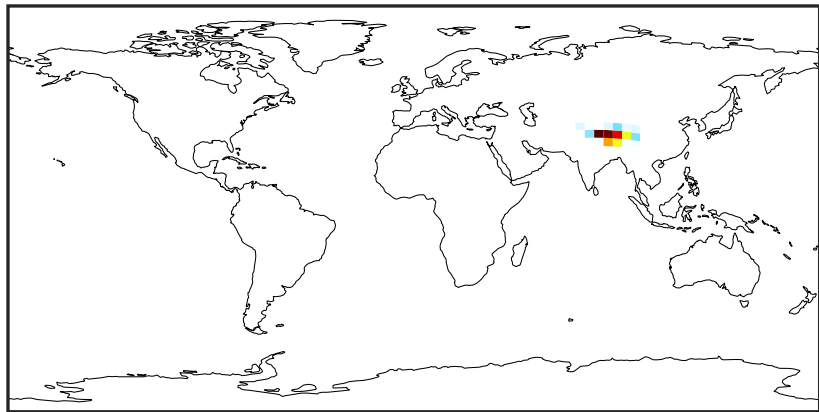
Ratio  
Dev/Ref, Fixed Range



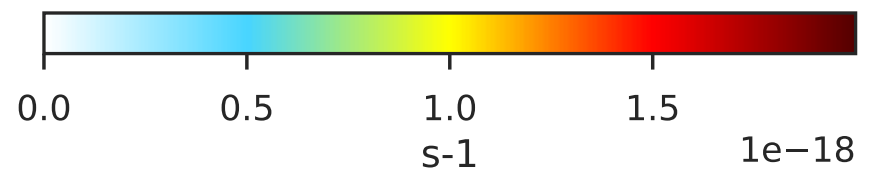
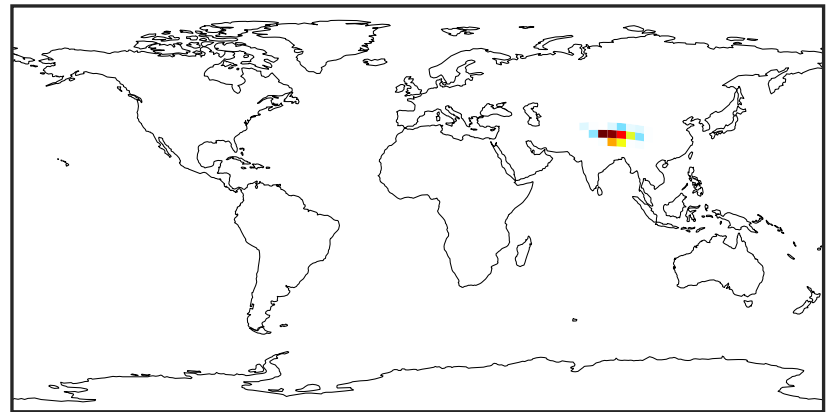
Undefined throughput domain  
unitless

# Jval\_HCFC123 (Jul2019)

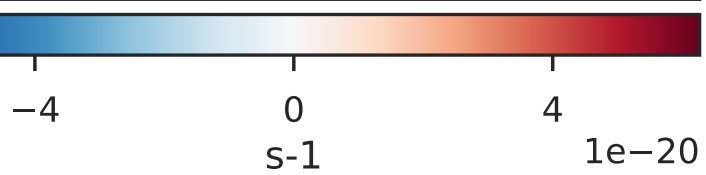
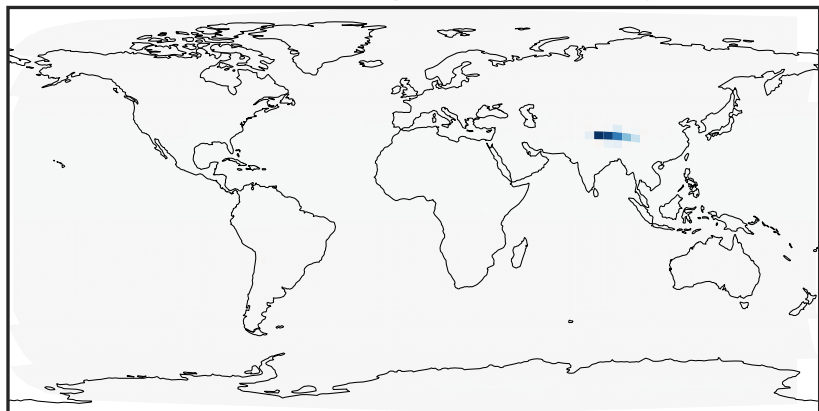
14.2.0-rc.2 (Ref)  
c24



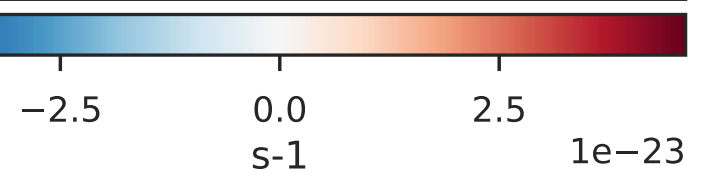
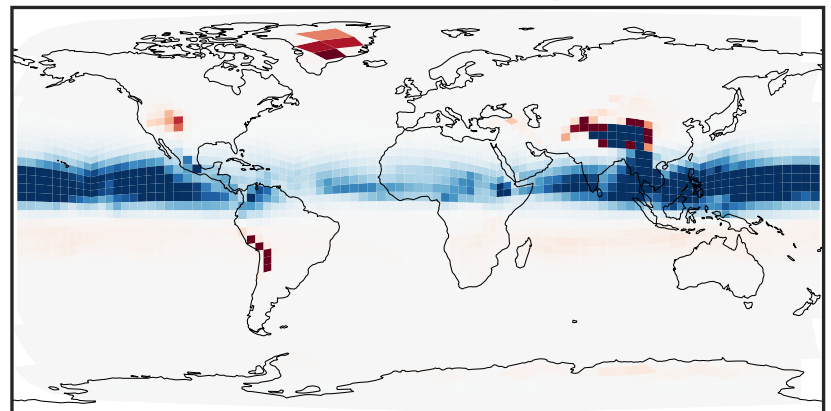
14.3.0-rc.0 (Dev)  
c24



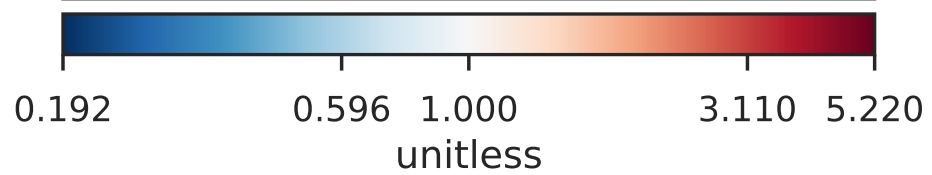
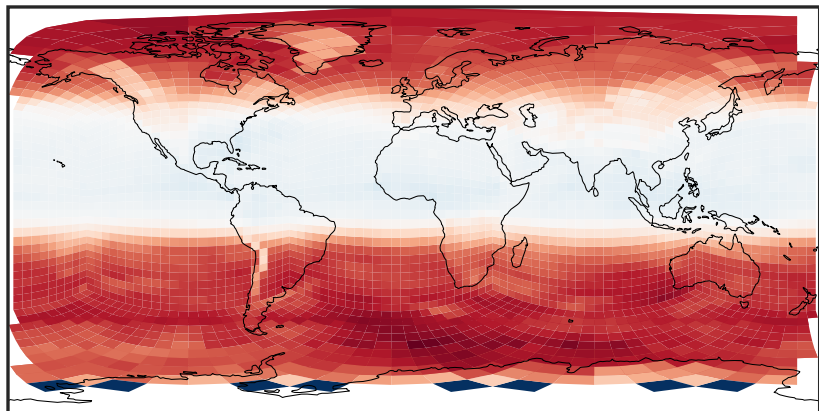
Difference  
Dev - Ref, Dynamic Range



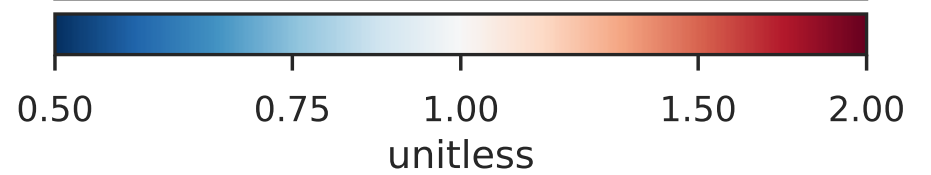
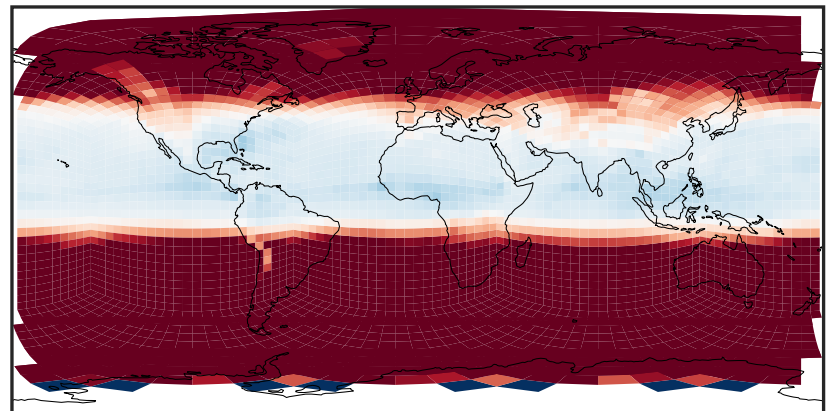
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



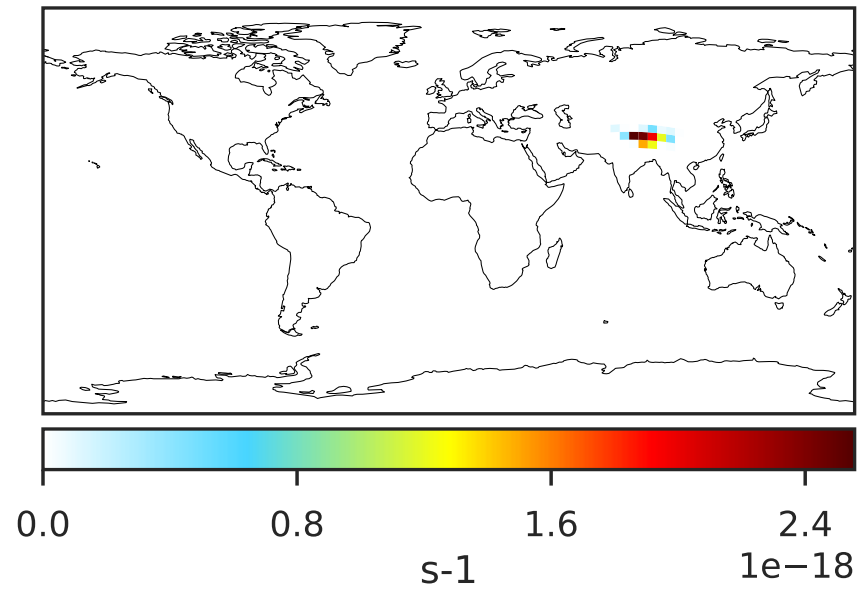
Ratio  
Dev/Ref, Fixed Range



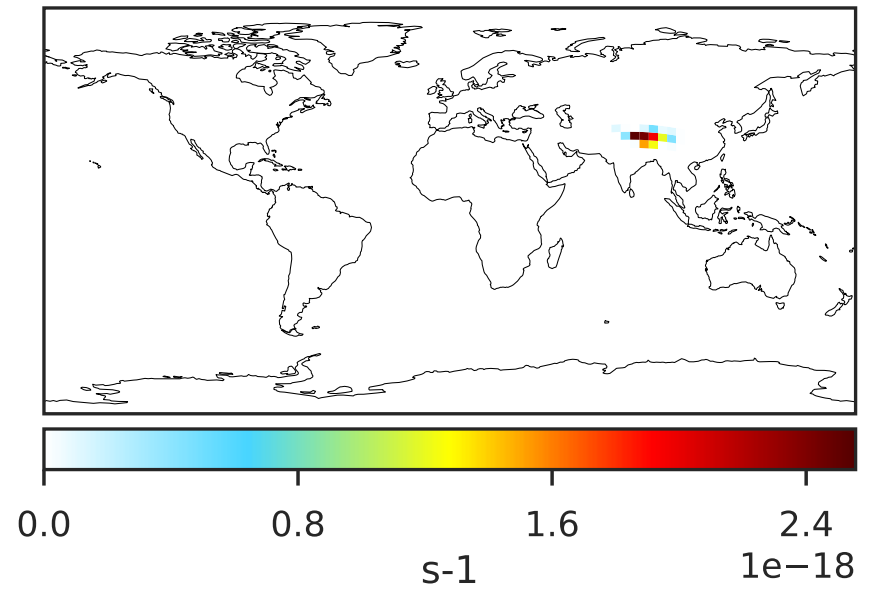


# Jval\_HCFC141b (Jul2019)

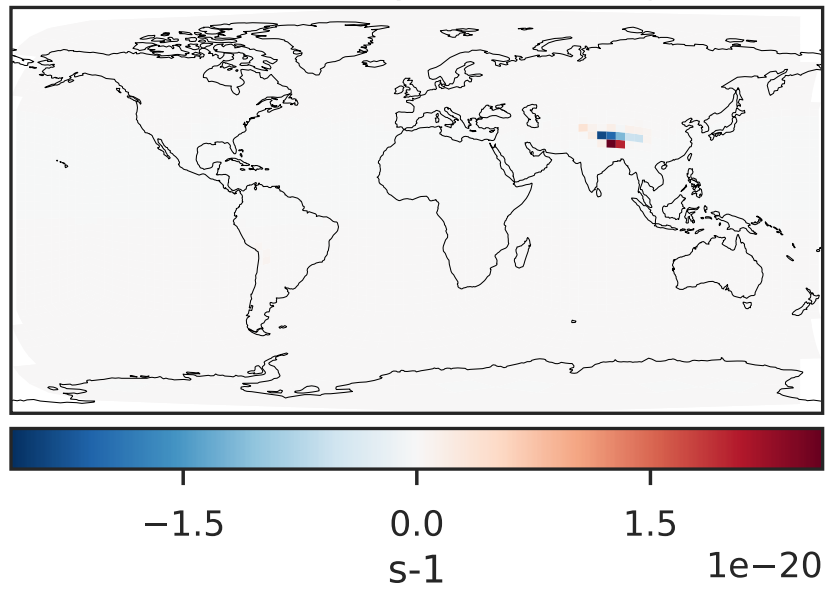
14.2.0-rc.2 (Ref)  
c24



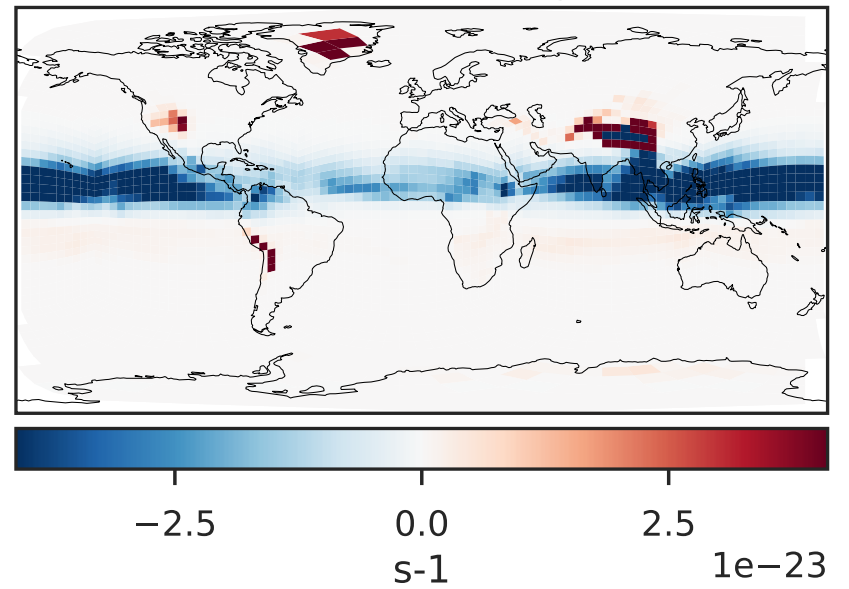
14.3.0-rc.0 (Dev)  
c24



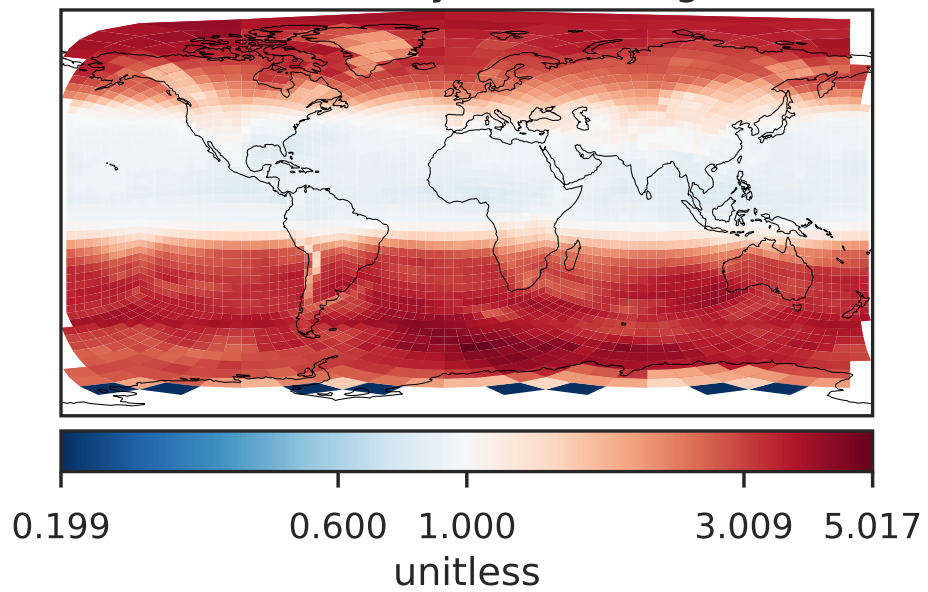
Difference  
Dev - Ref, Dynamic Range



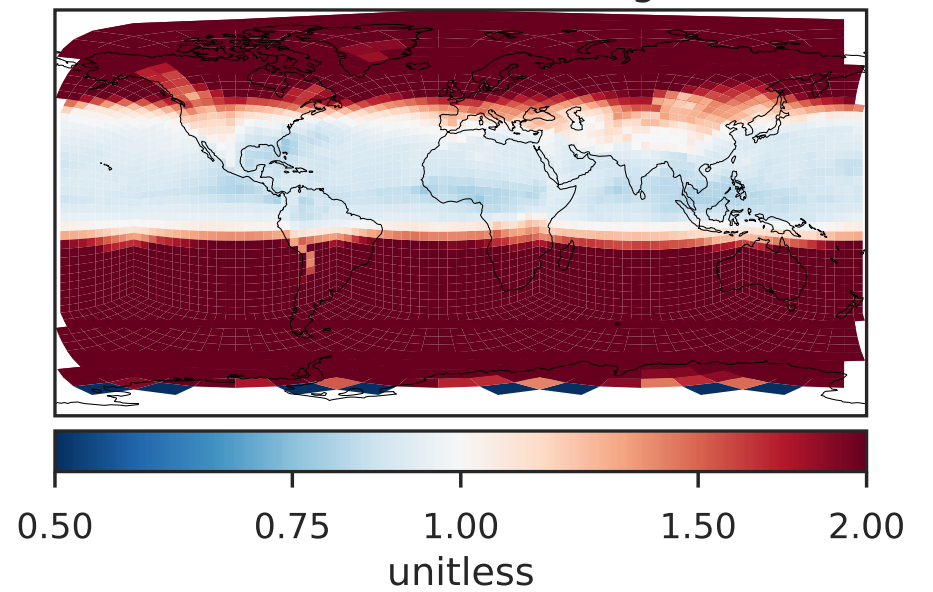
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

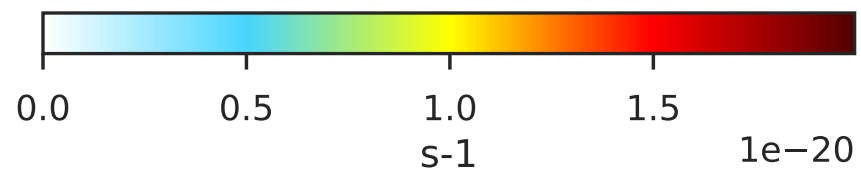
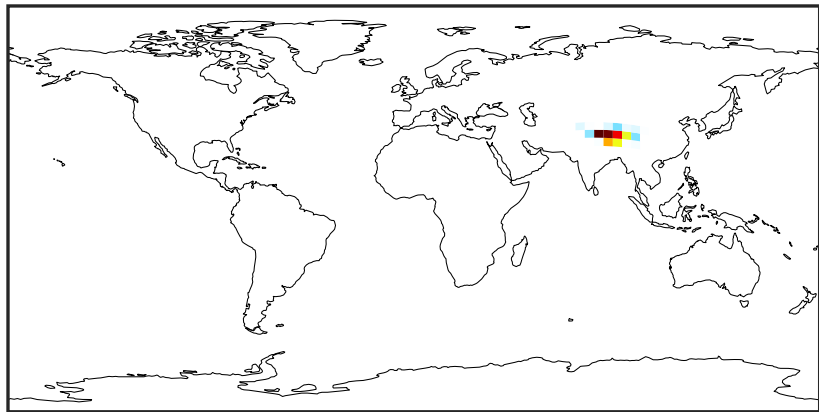


Ratio  
Dev/Ref, Fixed Range

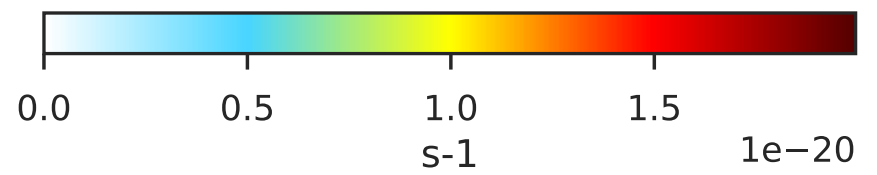
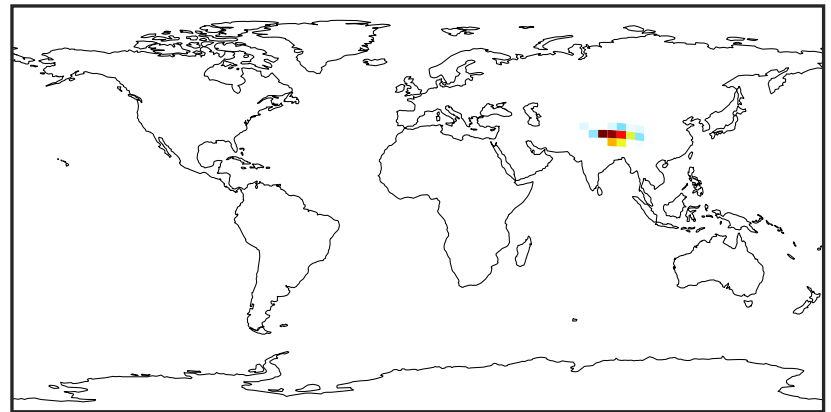


# Jval\_HCFC142b (Jul2019)

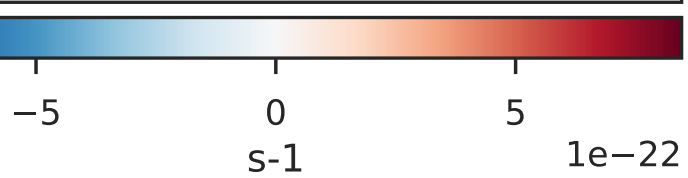
14.2.0-rc.2 (Ref)  
c24



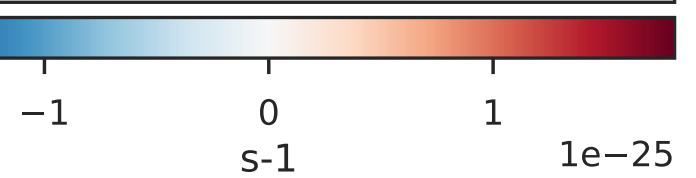
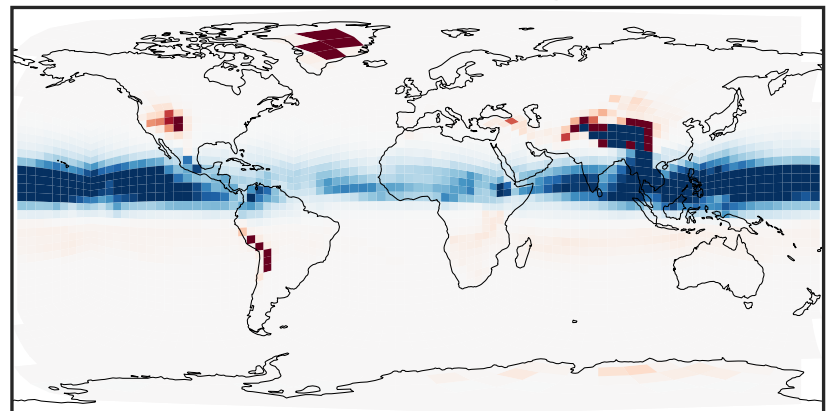
14.3.0-rc.0 (Dev)  
c24



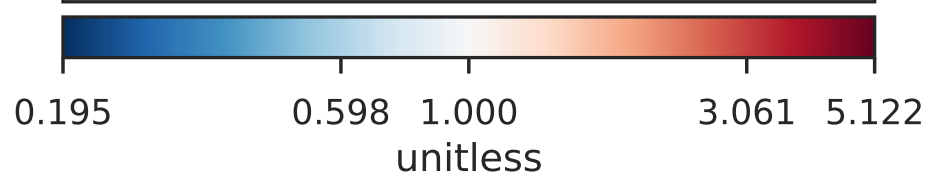
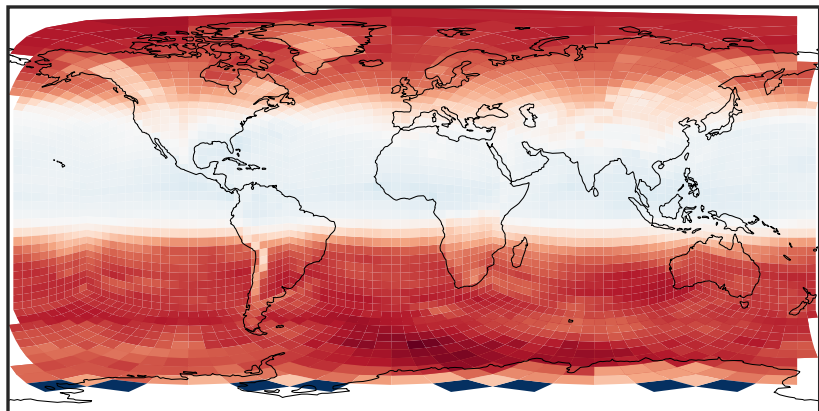
Difference  
Dev - Ref, Dynamic Range



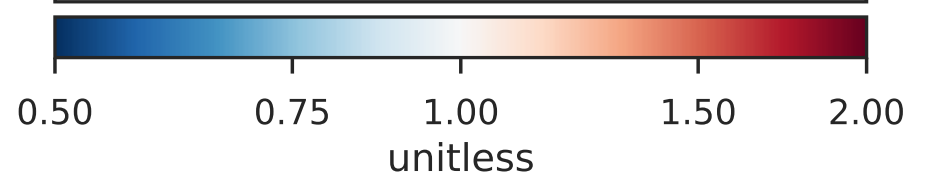
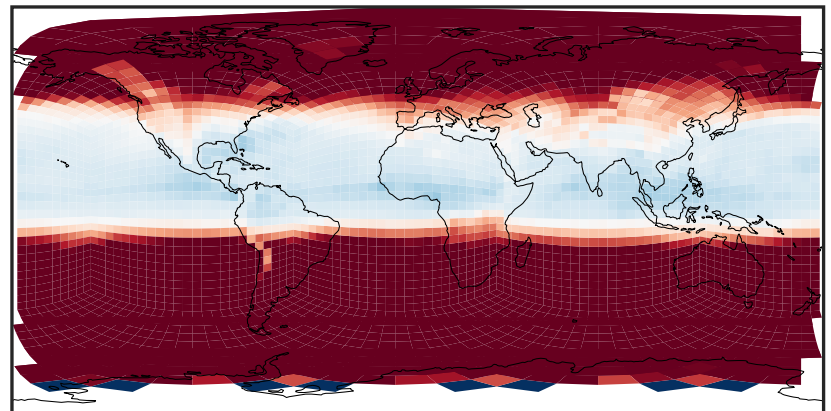
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

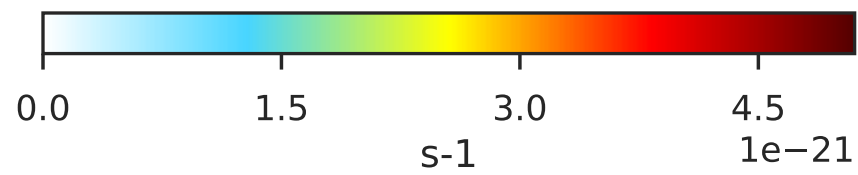
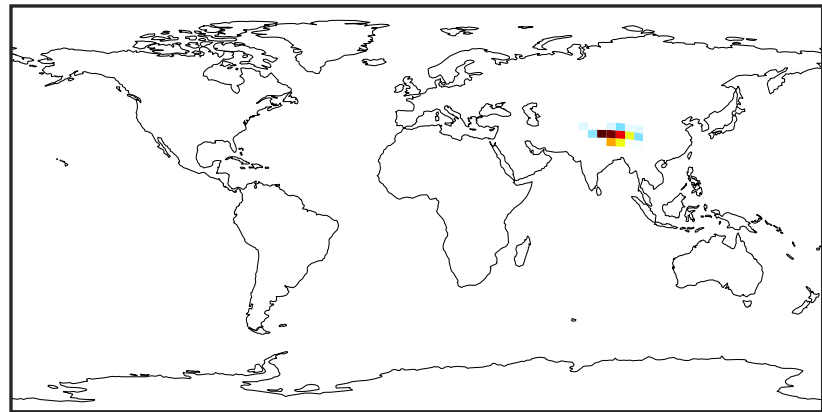


Ratio  
Dev/Ref, Fixed Range

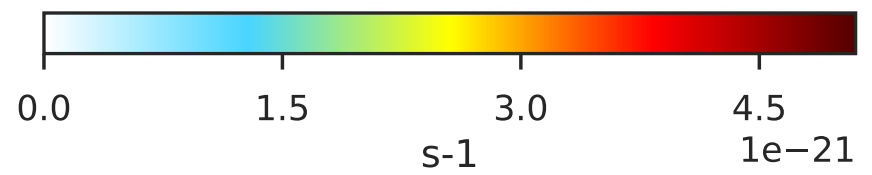
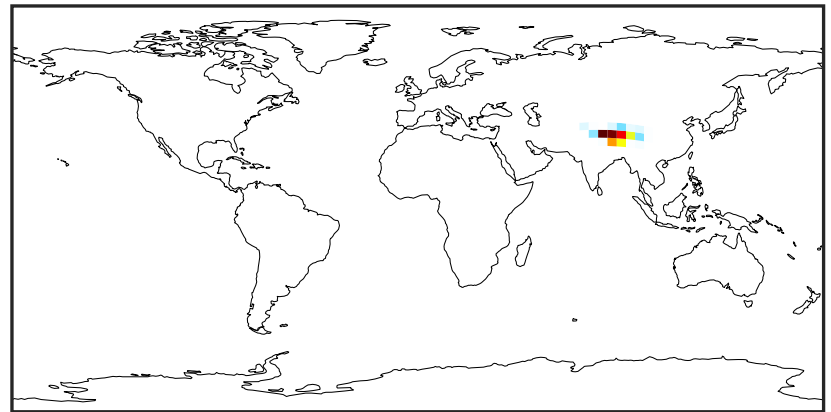


# Jval\_HCFC22 (Jul2019)

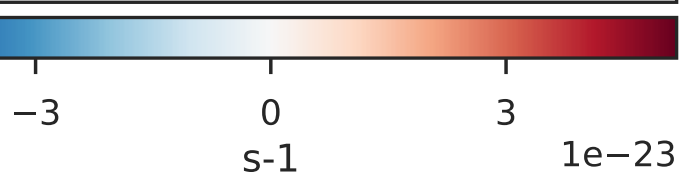
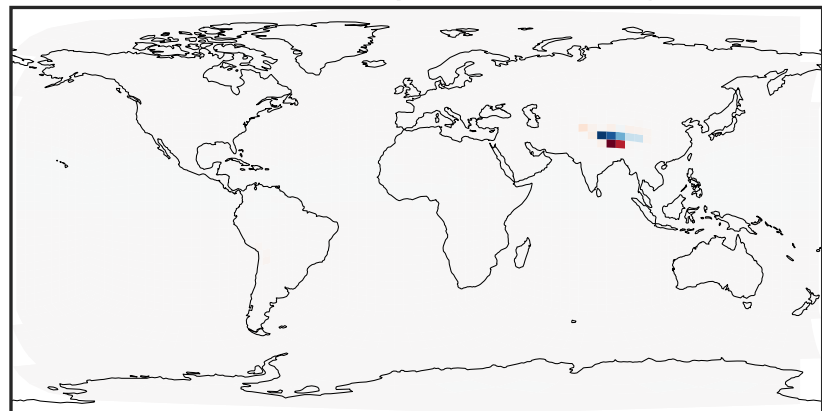
14.2.0-rc.2 (Ref)  
c24



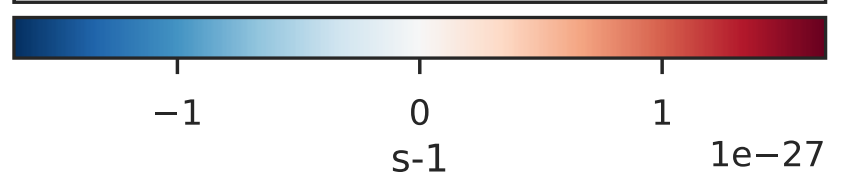
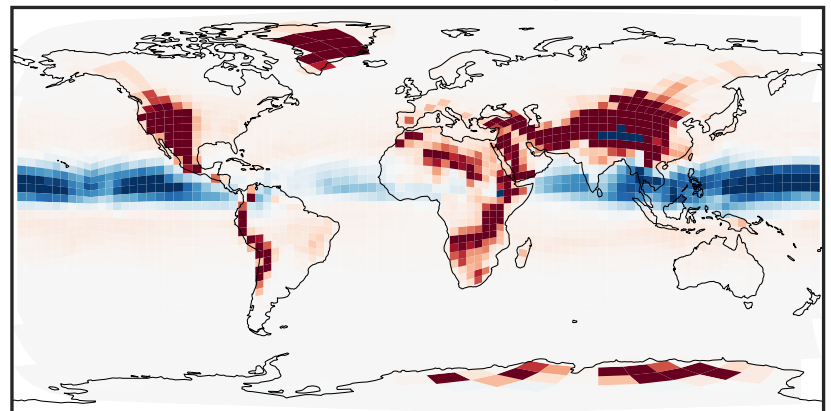
14.3.0-rc.0 (Dev)  
c24



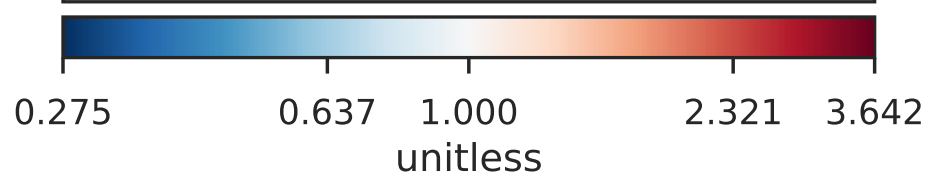
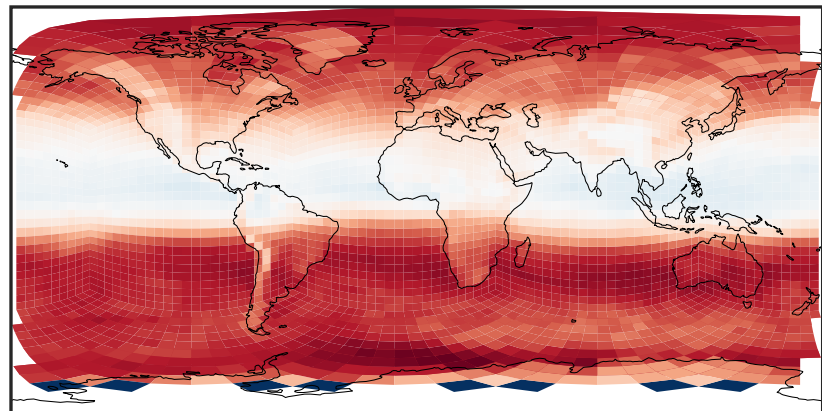
Difference  
Dev - Ref, Dynamic Range



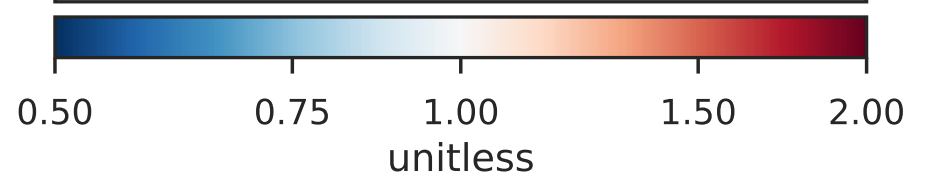
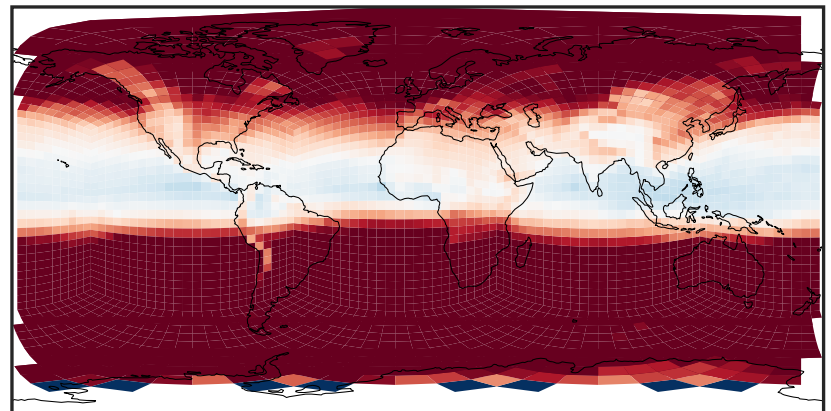
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



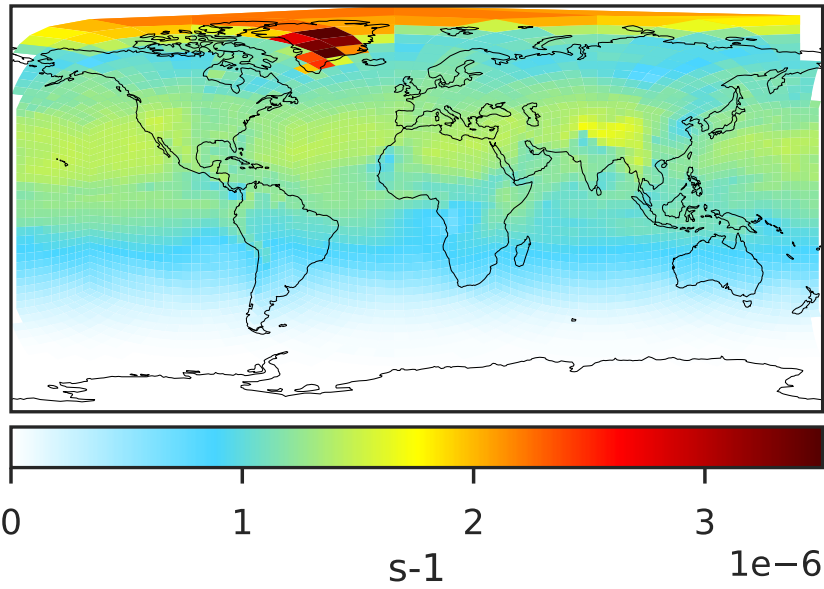
Ratio  
Dev/Ref, Fixed Range



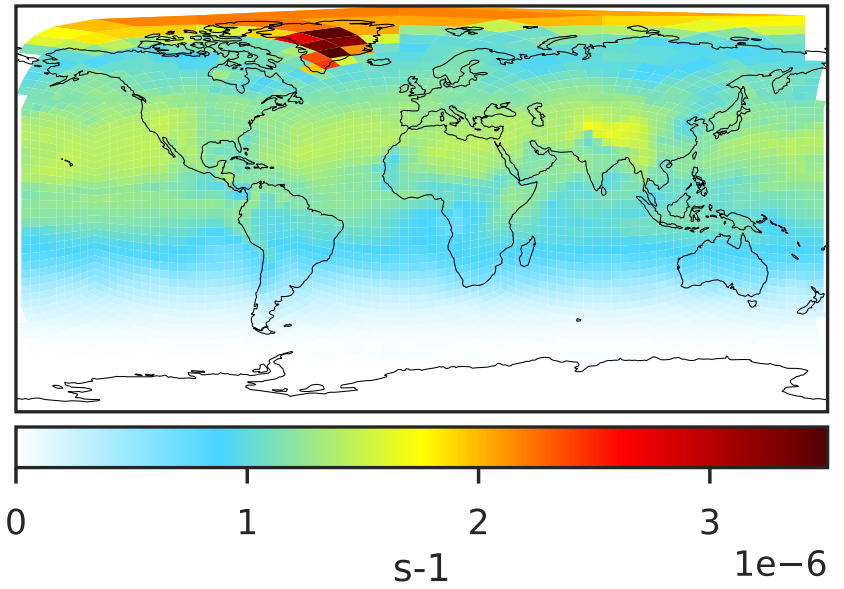


# Jval\_HMHP (Jul2019)

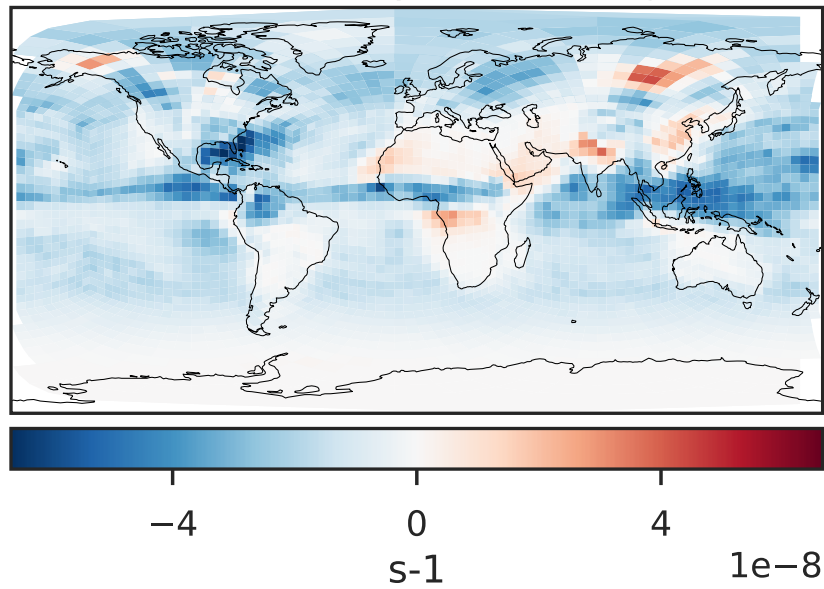
14.2.0-rc.2 (Ref)  
c24



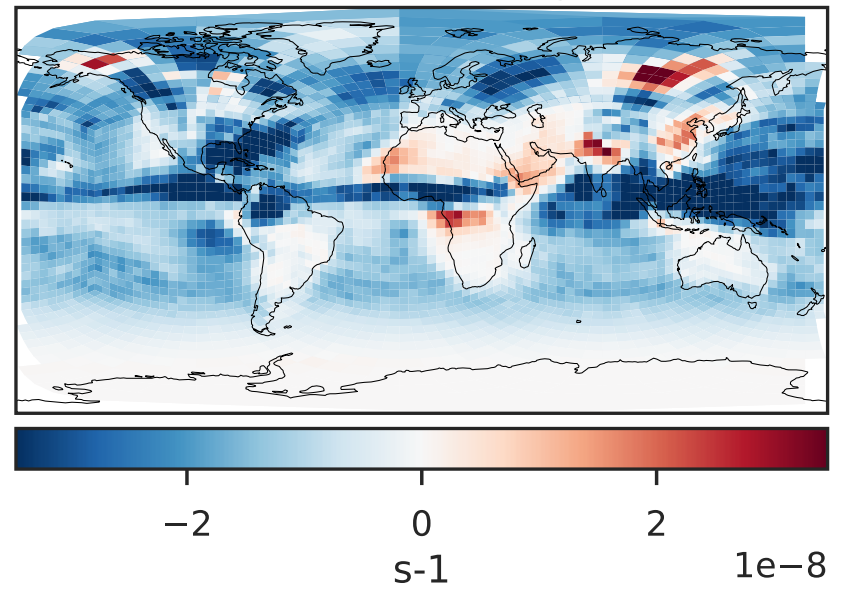
14.3.0-rc.0 (Dev)  
c24



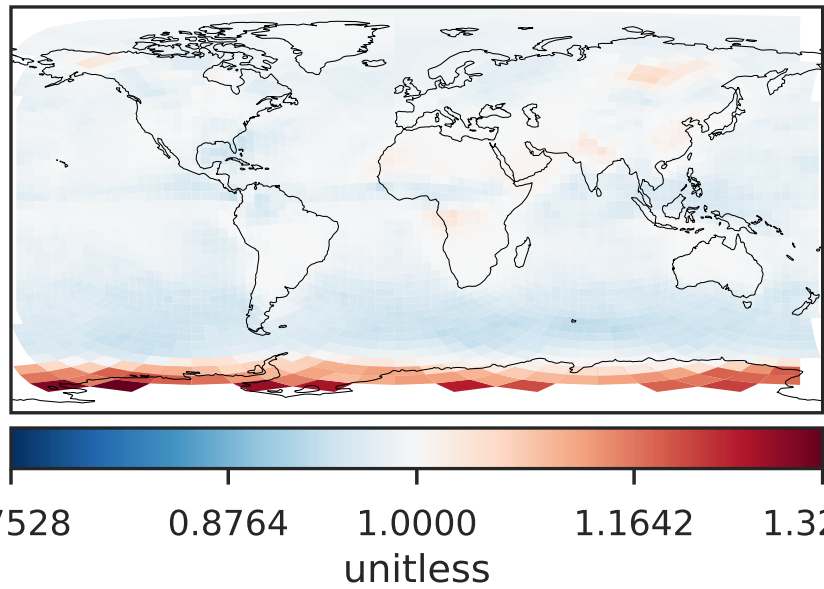
Difference  
Dev - Ref, Dynamic Range



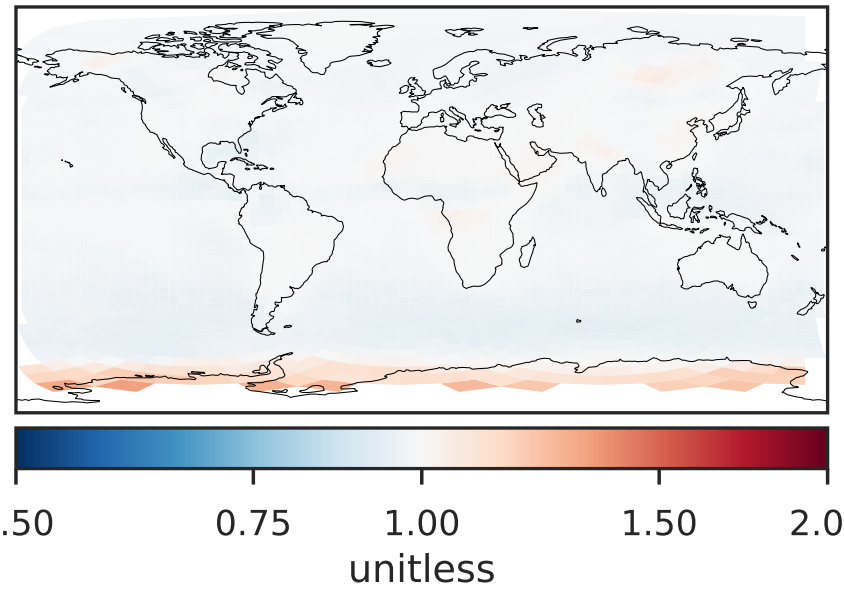
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

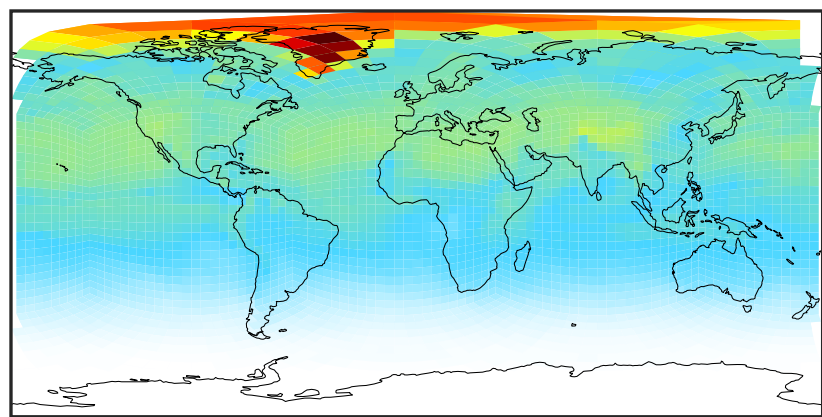


Ratio  
Dev/Ref, Fixed Range



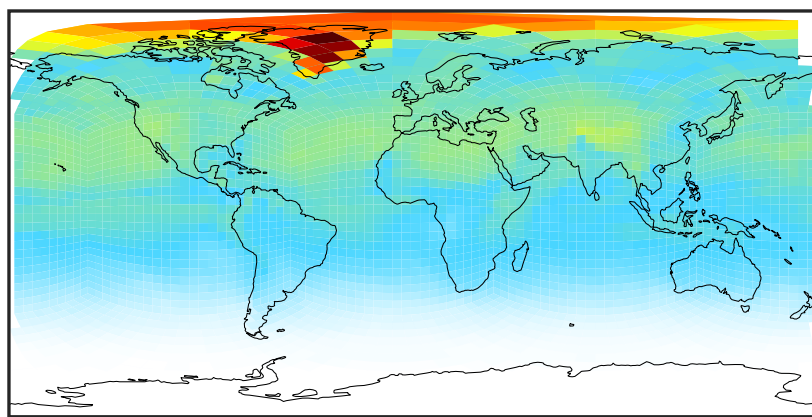
# Jval\_HNO2 (Jul2019)

14.2.0-rc.2 (Ref)  
c24



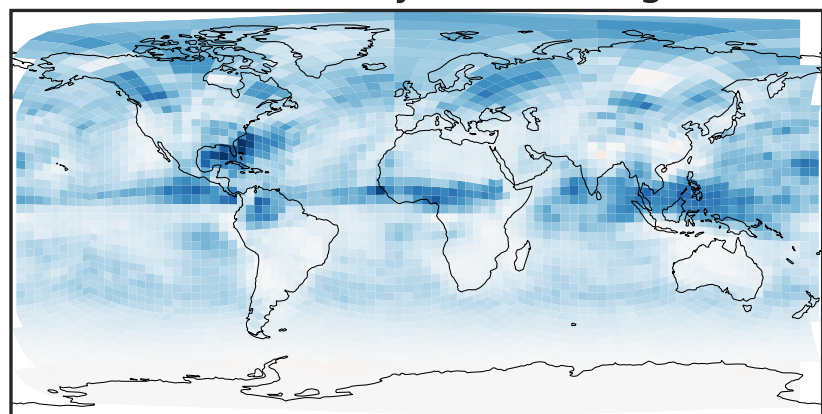
0.0000 0.0005 0.0010 0.0015  
s-1

14.3.0-rc.0 (Dev)  
c24



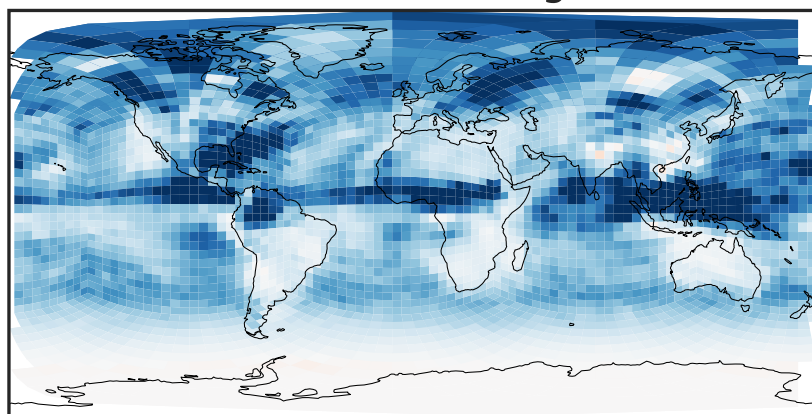
0.0000 0.0005 0.0010 0.0015  
s-1

Difference  
Dev - Ref, Dynamic Range



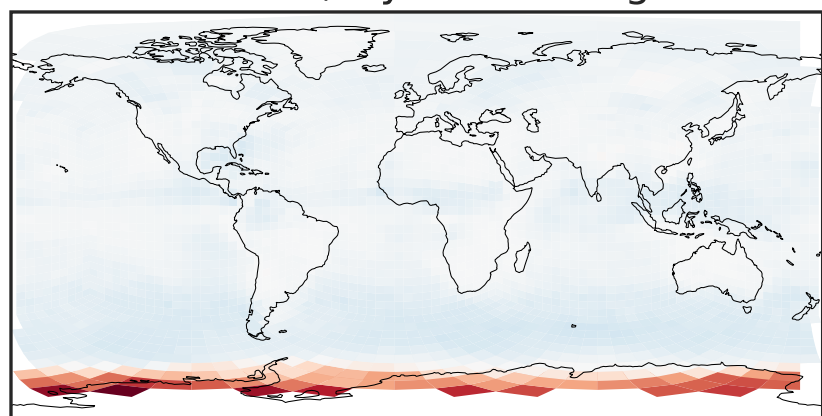
-1.5 0.0 1.5  
s-1 1e-5

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



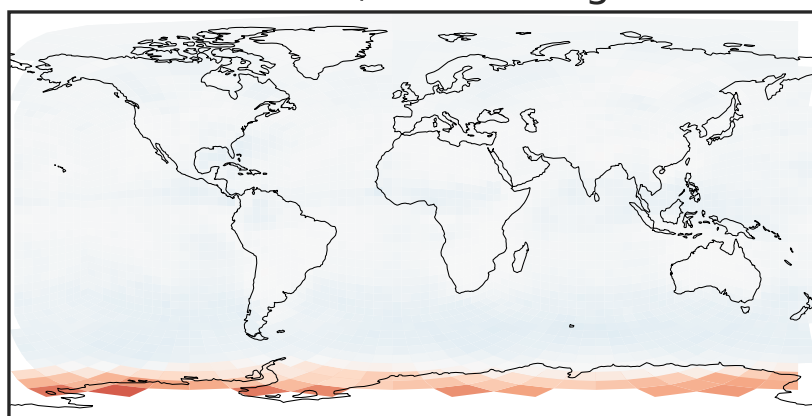
-1 0 1  
s-1 1e-5

Ratio  
Dev/Ref, Dynamic Range



0.6569 0.8285 1.0000 1.2611 1.5223  
unitless

Ratio  
Dev/Ref, Fixed Range

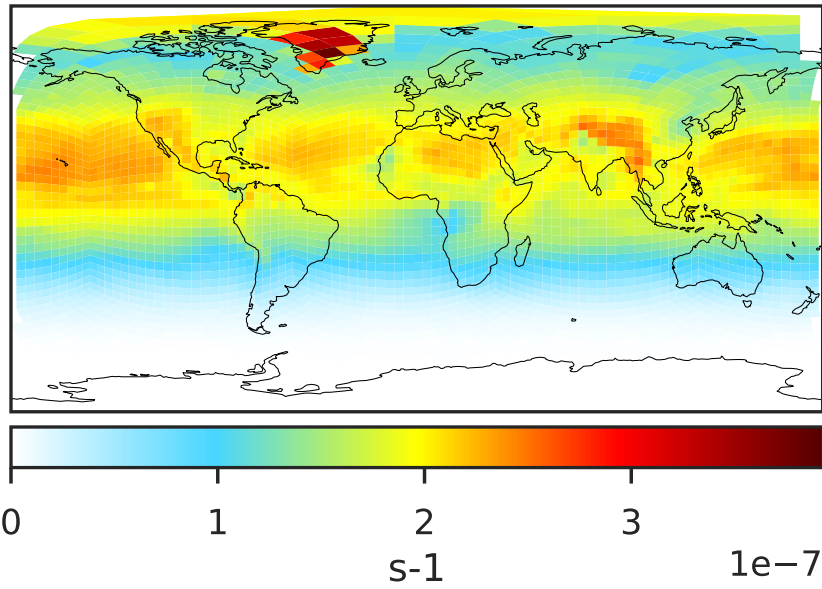


0.50 0.75 1.00 1.50 2.00  
unitless

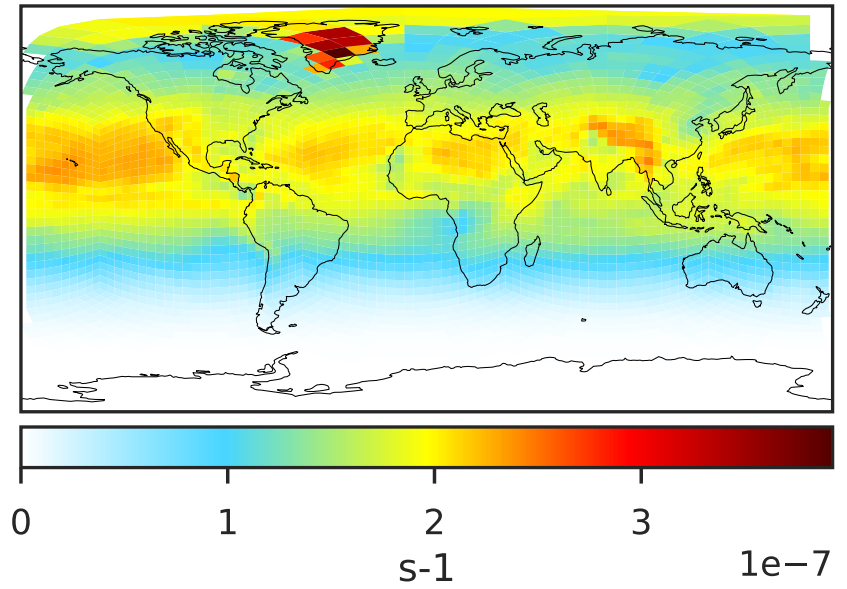


# Jval\_HNO3 (Jul2019)

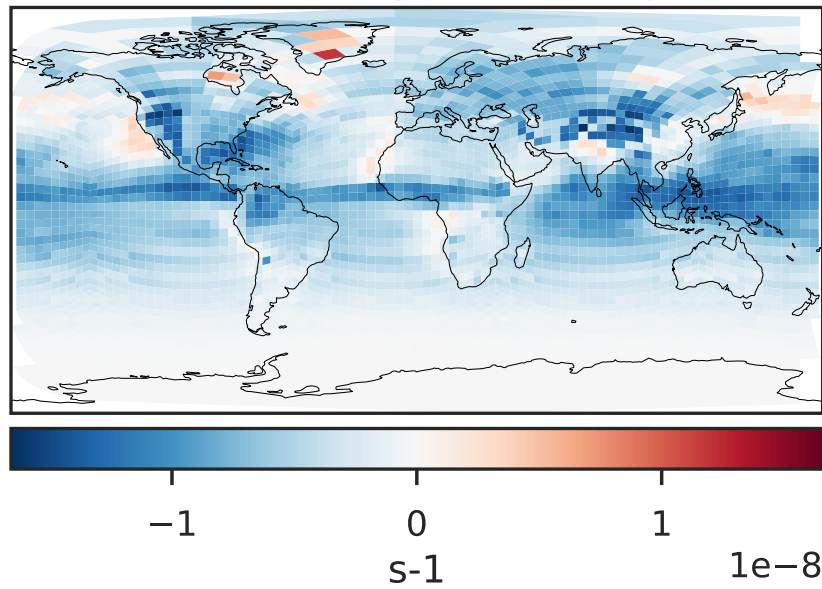
14.2.0-rc.2 (Ref)  
c24



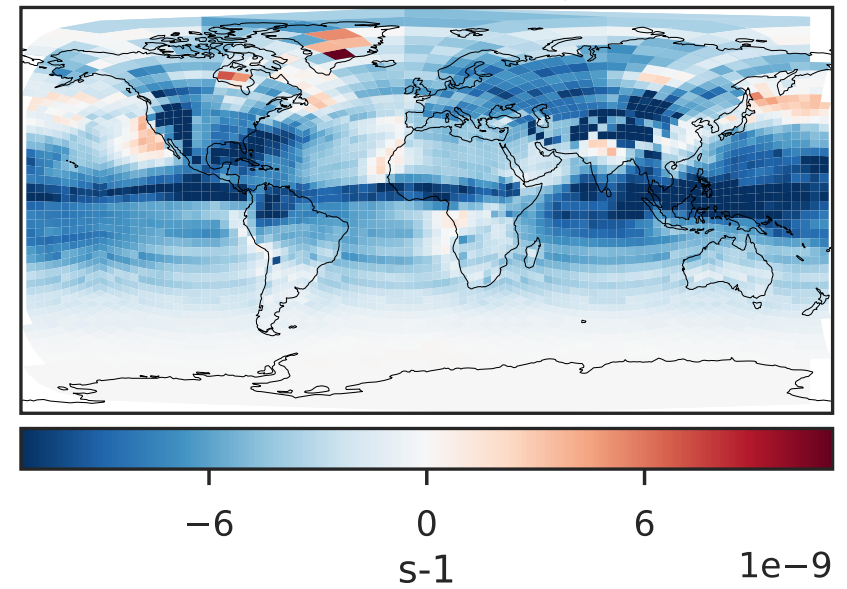
14.3.0-rc.0 (Dev)  
c24



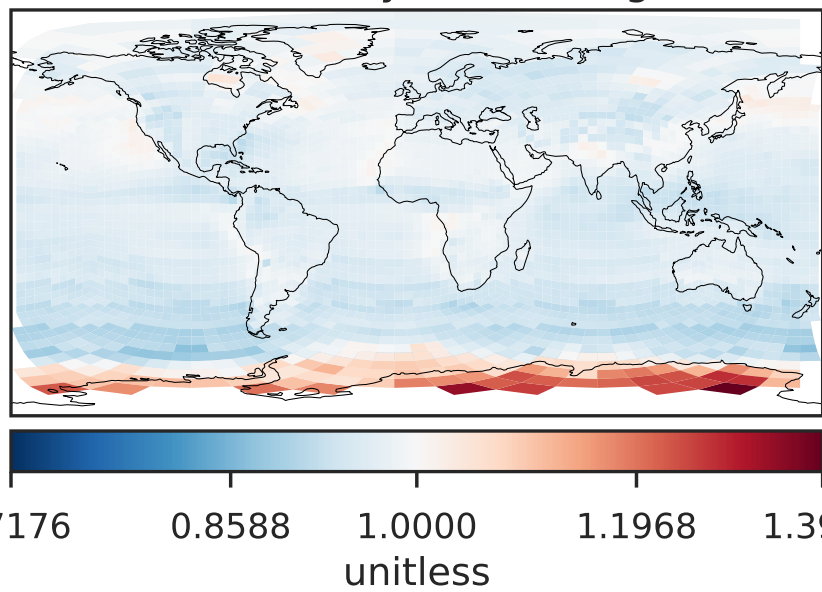
Difference  
Dev - Ref, Dynamic Range



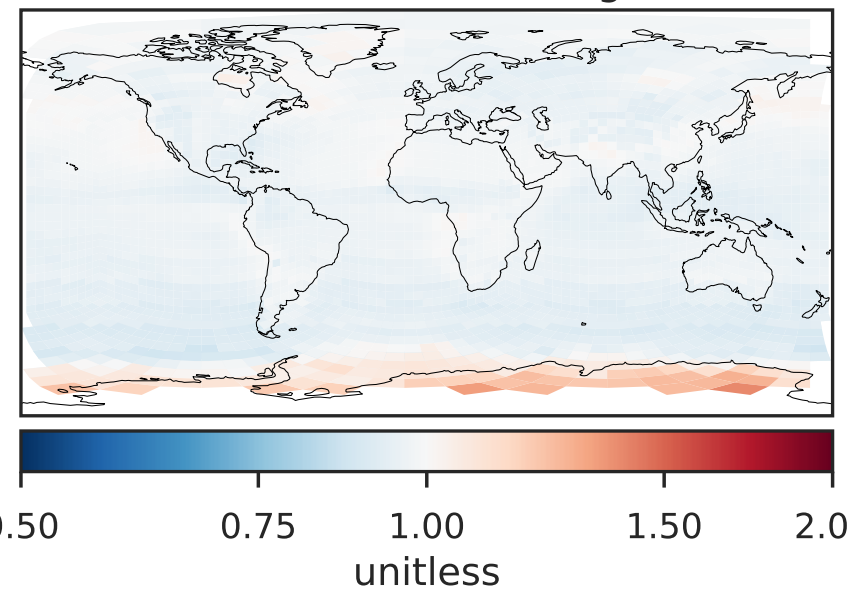
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



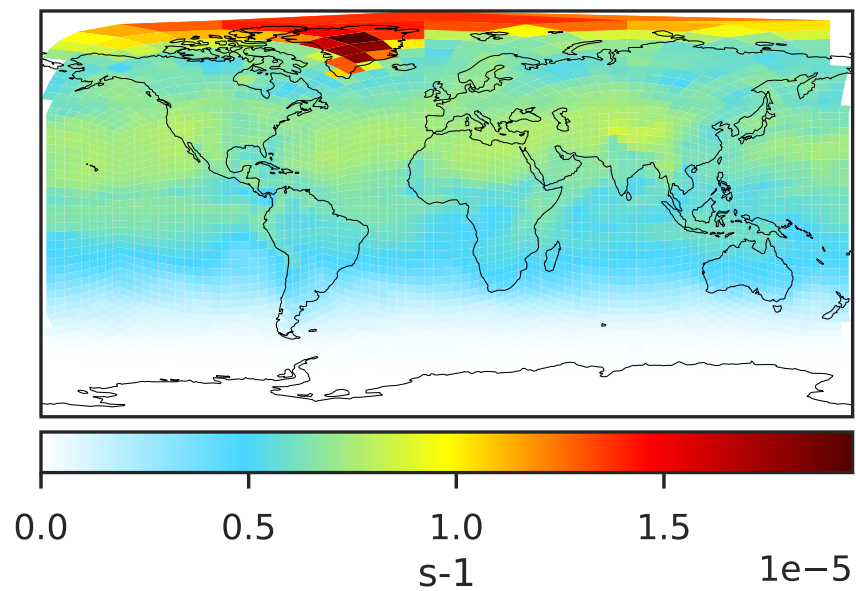
Ratio  
Dev/Ref, Fixed Range



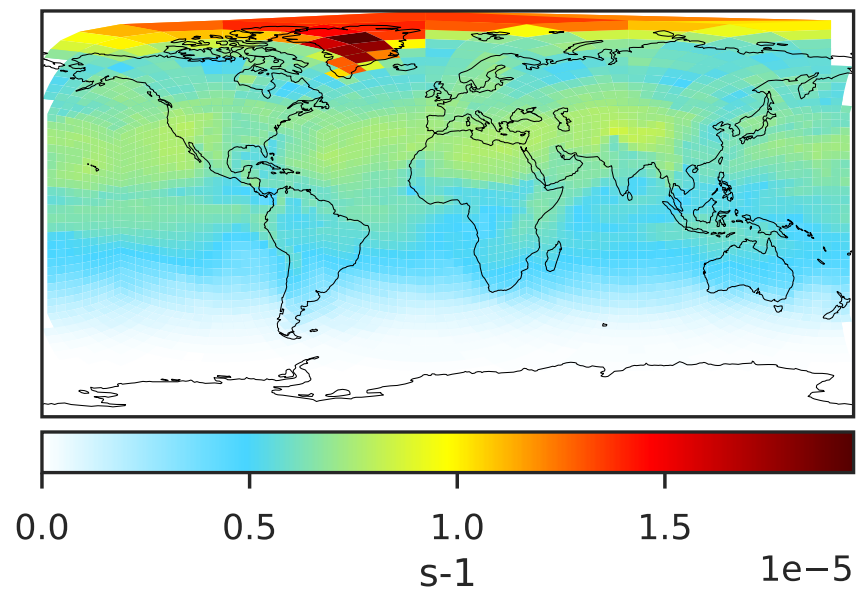


# Jval\_HNO4 (Jul2019)

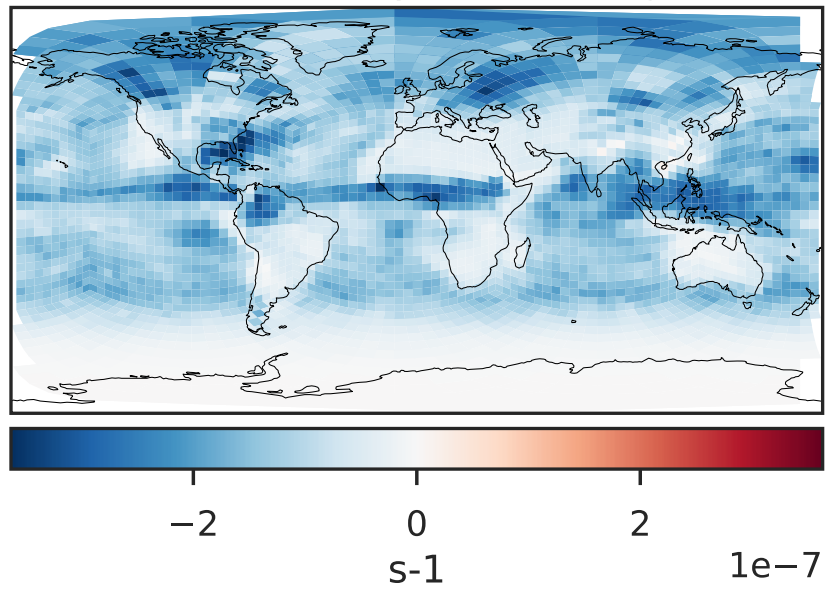
14.2.0-rc.2 (Ref)  
c24



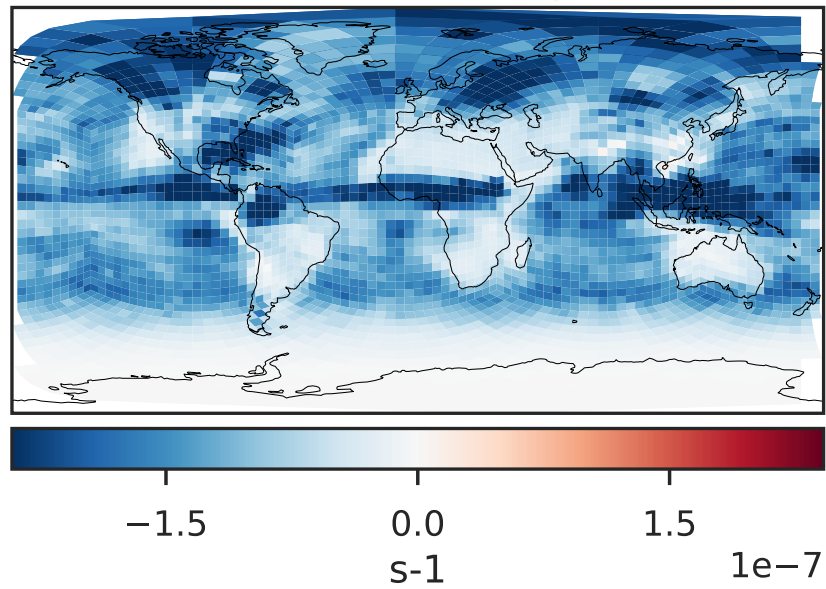
14.3.0-rc.0 (Dev)  
c24



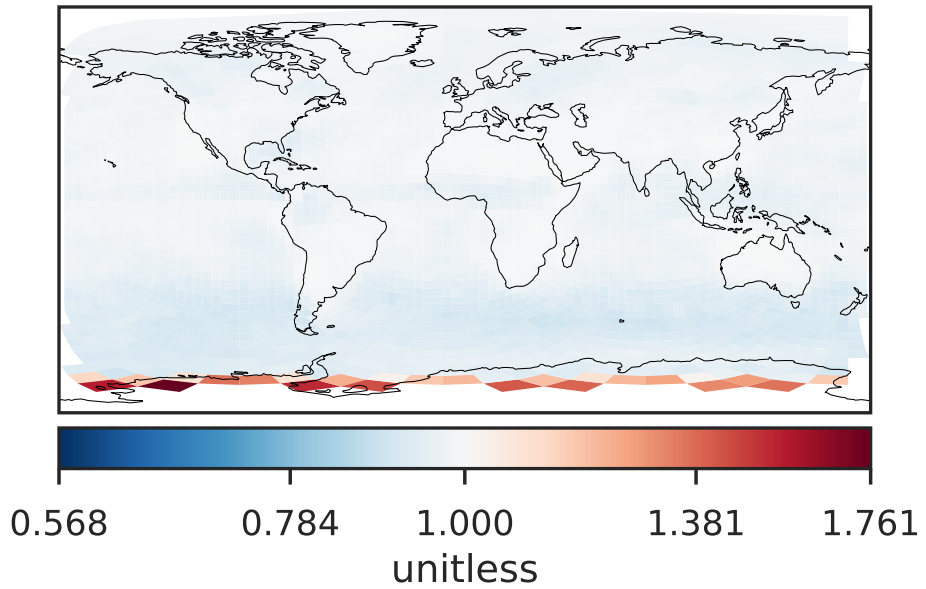
Difference  
Dev - Ref, Dynamic Range



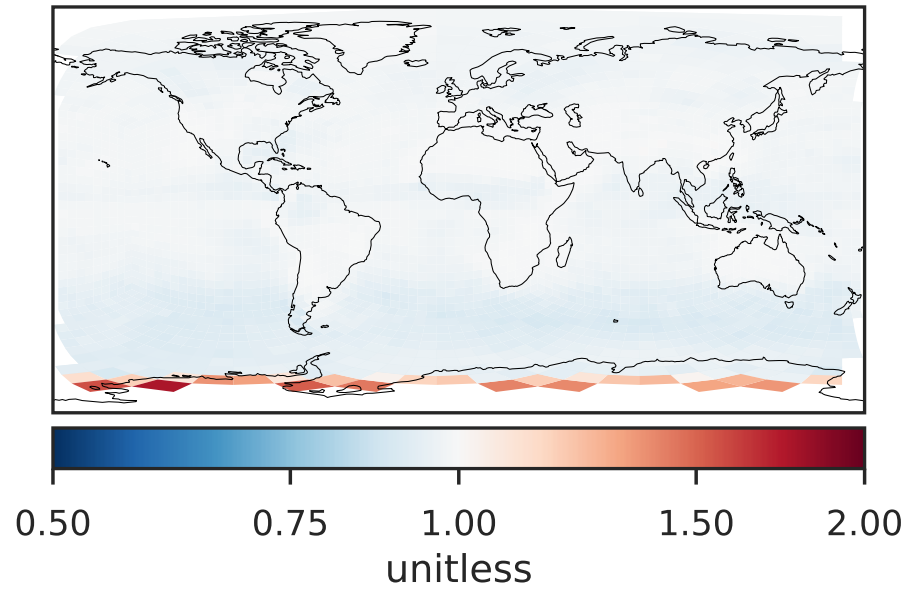
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

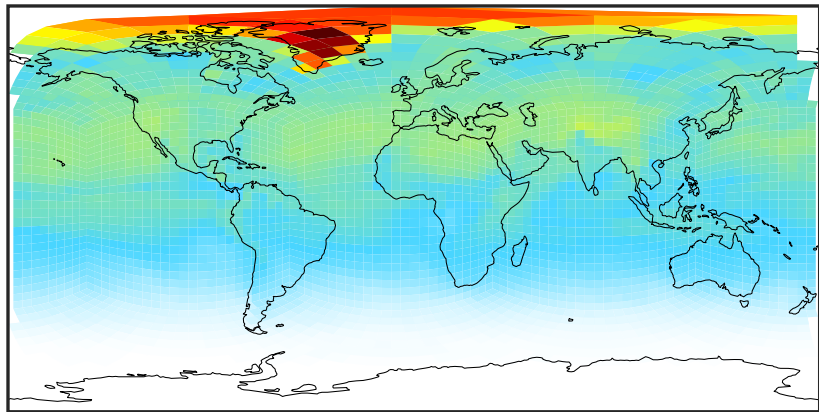


Ratio  
Dev/Ref, Fixed Range



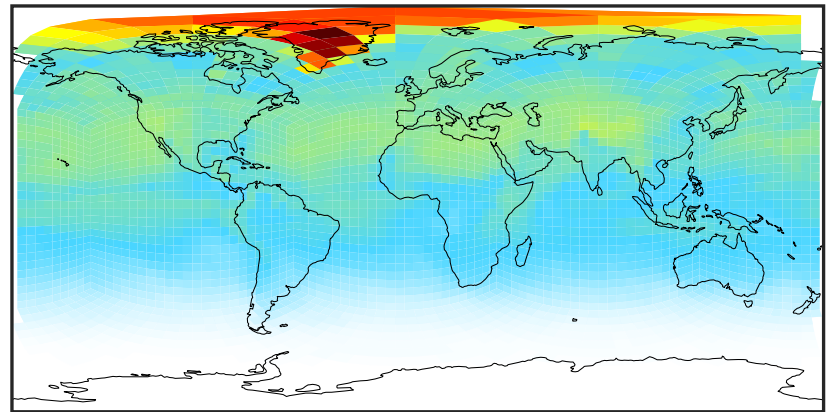
# Jval\_HOBr (Jul2019)

14.2.0-rc.2 (Ref)  
c24



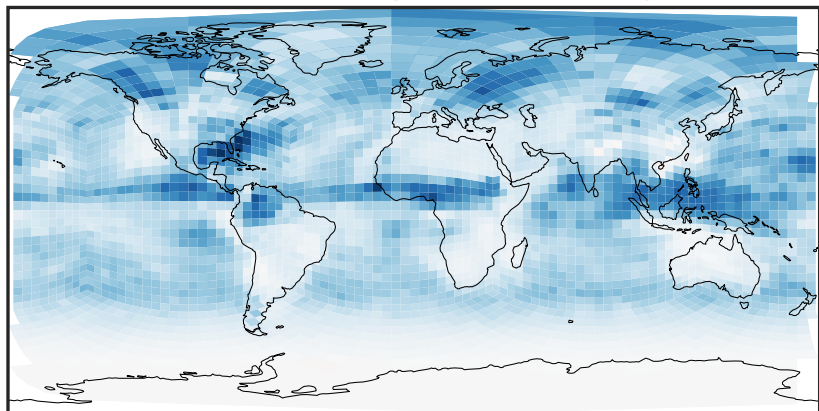
0.0000 0.0008 0.0016 0.0024  
s-1

14.3.0-rc.0 (Dev)  
c24



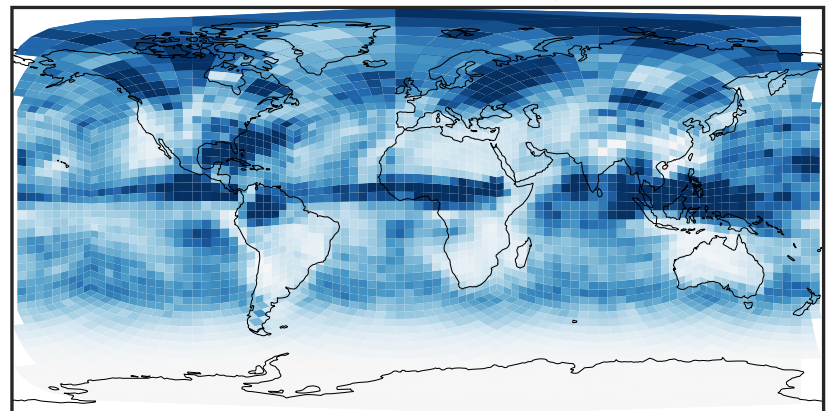
0.0000 0.0008 0.0016 0.0024  
s-1

Difference  
Dev - Ref, Dynamic Range



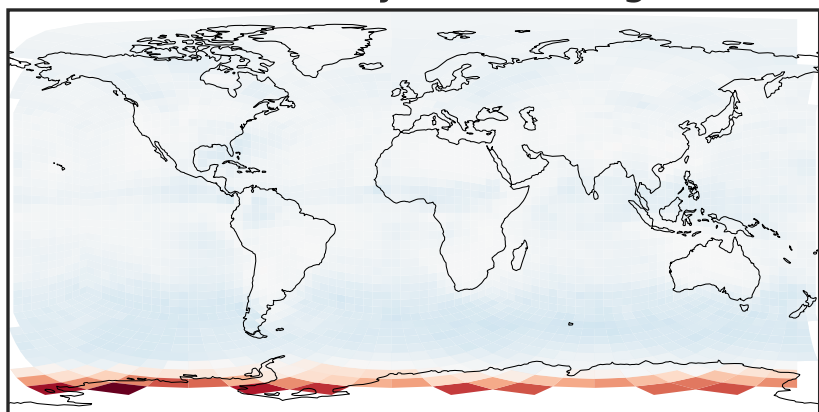
-2.5 0.0 2.5  
s-1 1e-5

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



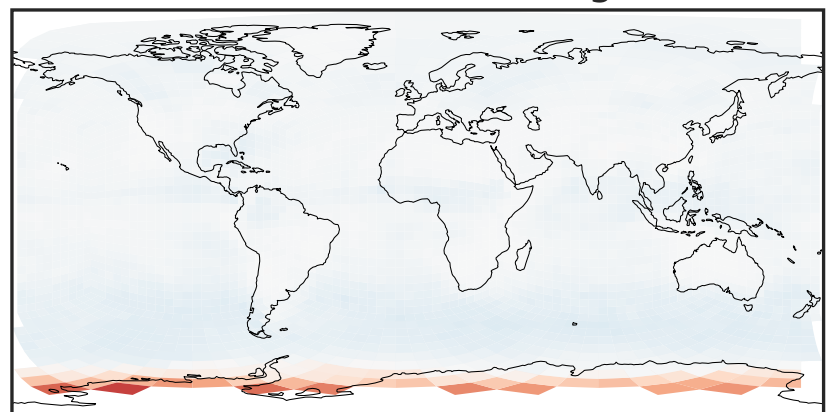
-1.5 0.0 1.5  
s-1 1e-5

Ratio  
Dev/Ref, Dynamic Range



0.6214 0.8107 1.0000 1.3046 1.6092  
unitless

Ratio  
Dev/Ref, Fixed Range

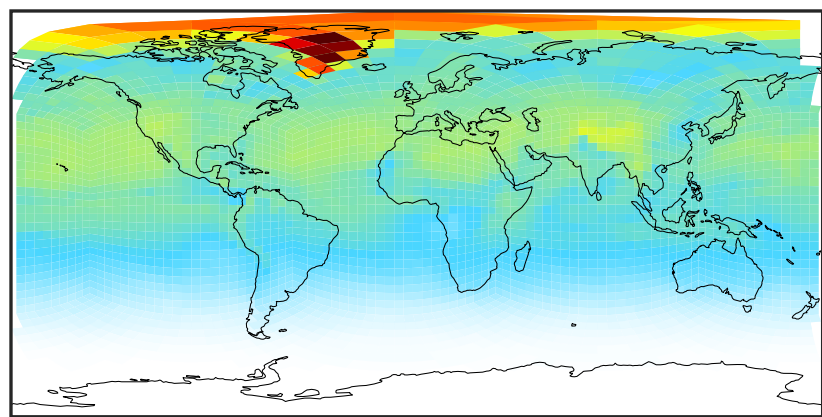


0.50 0.75 1.00 1.50 2.00  
unitless



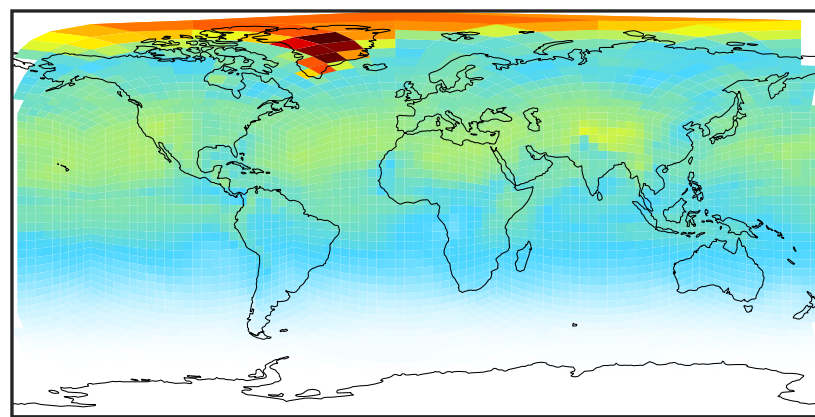
# Jval\_HOCl (Jul2019)

14.2.0-rc.2 (Ref)  
c24



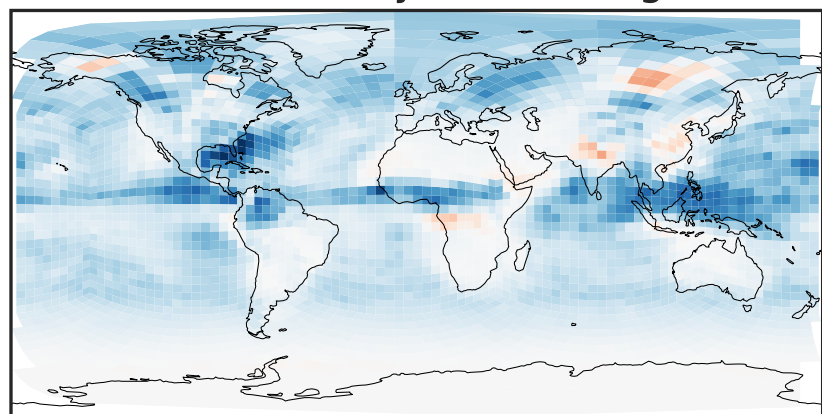
0.00000 0.00008 0.00016 0.00024  
s-1

14.3.0-rc.0 (Dev)  
c24



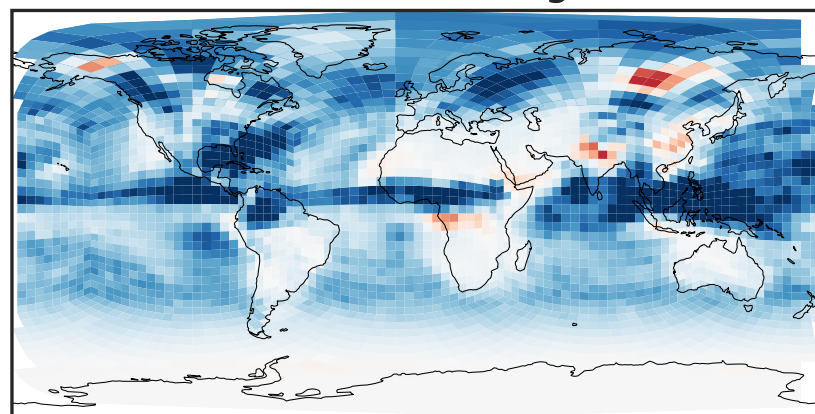
0.00000 0.00008 0.00016 0.00024  
s-1

Difference  
Dev - Ref, Dynamic Range



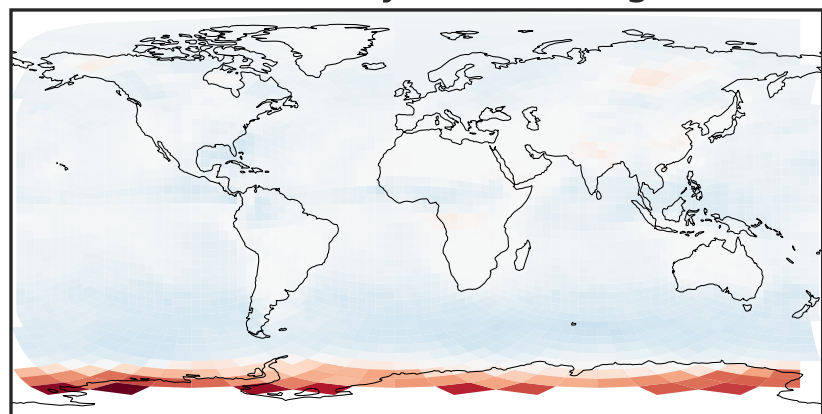
-2.5 0.0 2.5  
s-1 1e-6

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



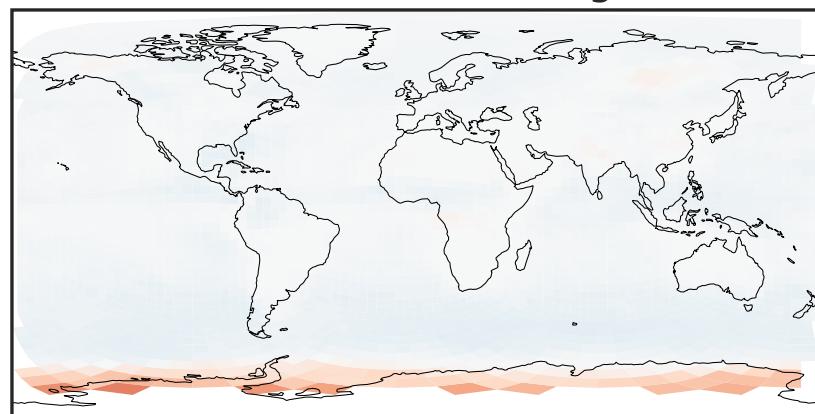
-1.5 0.0 1.5  
s-1 1e-6

Ratio  
Dev/Ref, Dynamic Range



0.7069 0.8535 1.0000 1.2073 1.4146  
unitless

Ratio  
Dev/Ref, Fixed Range

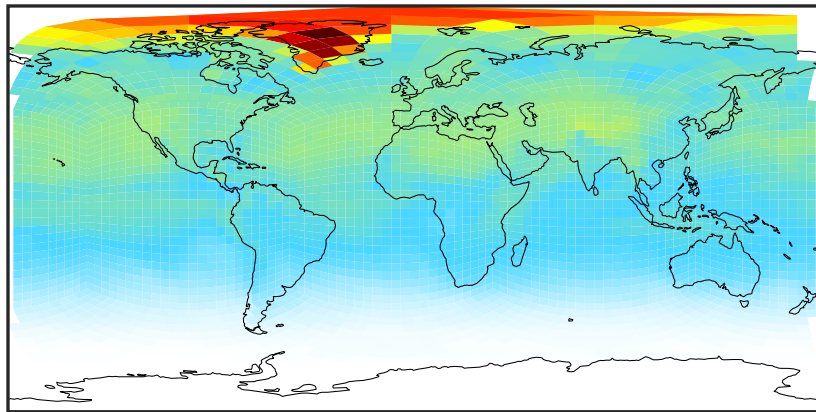


0.50 0.75 1.00 1.50 2.00  
unitless



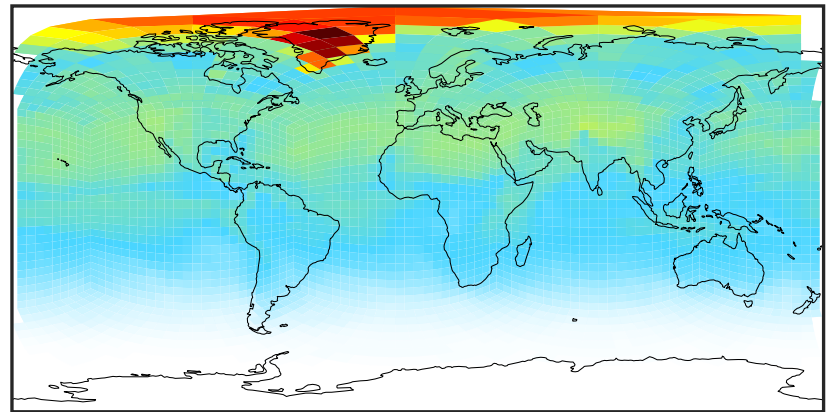
# Jval\_HOI (Jul2019)

14.2.0-rc.2 (Ref)  
c24



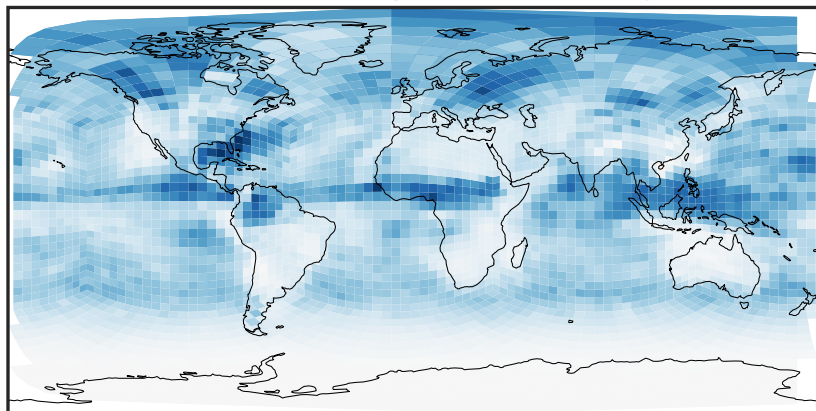
0.000 0.003 0.006 0.009  
s-1

14.3.0-rc.0 (Dev)  
c24



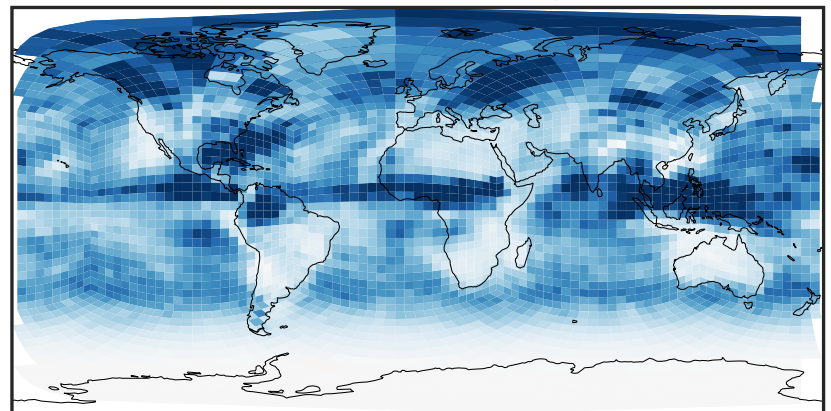
0.000 0.003 0.006 0.009  
s-1

Difference  
Dev - Ref, Dynamic Range



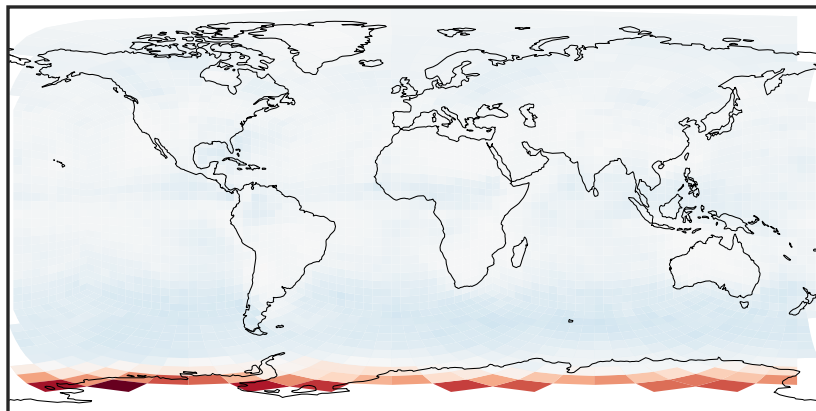
-0.0001 0.0000 0.0001  
s-1

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



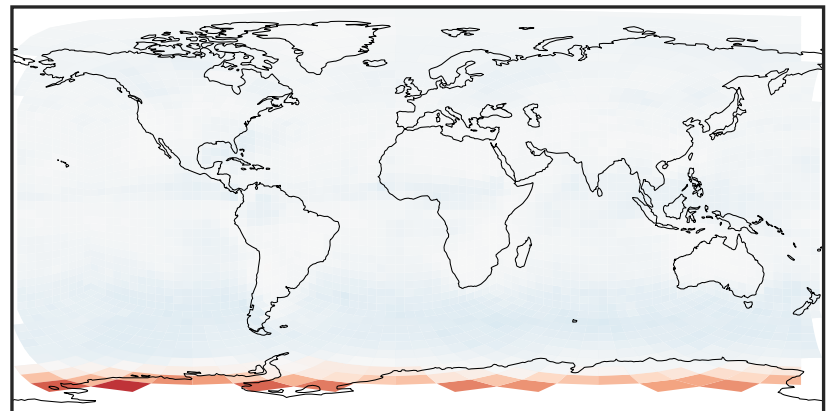
-6 0 6  
s-1 1e-5

Ratio  
Dev/Ref, Dynamic Range



0.606 0.803 1.000 1.325 1.649  
unitless

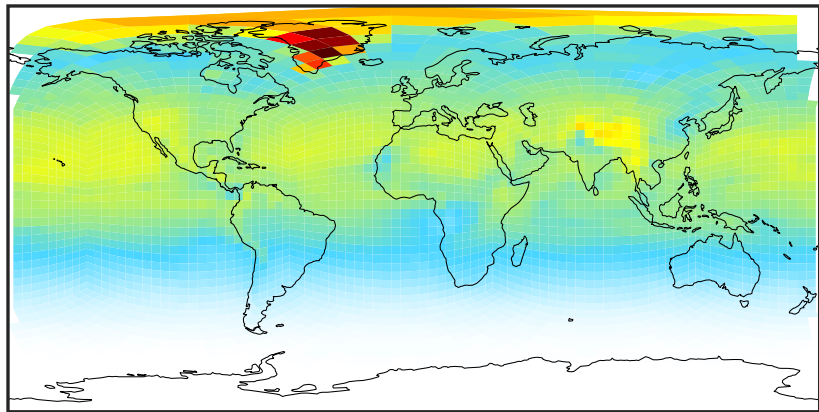
Ratio  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

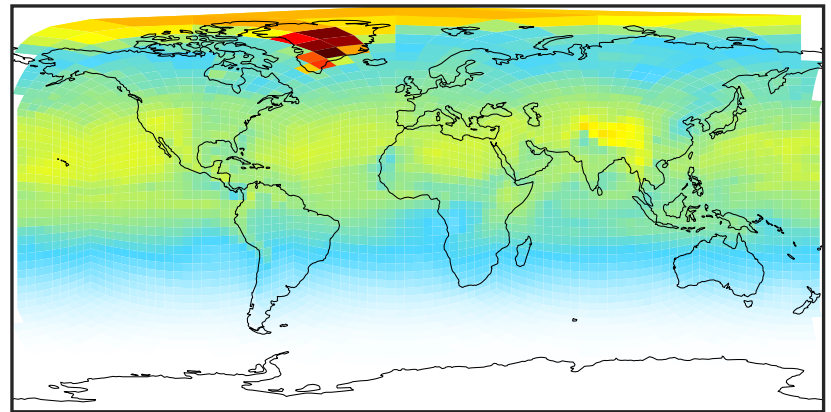
# Jval\_HONIT (Jul2019)

14.2.0-rc.2 (Ref)  
c24



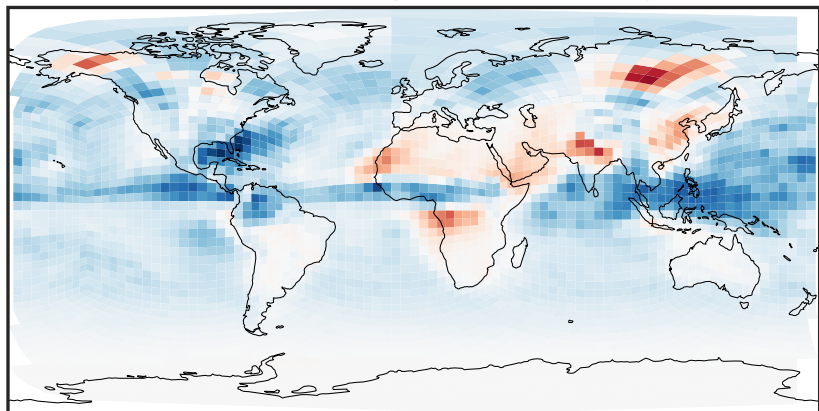
0.0 0.5 1.0 1.5  
s-1  $1e-6$

14.3.0-rc.0 (Dev)  
c24



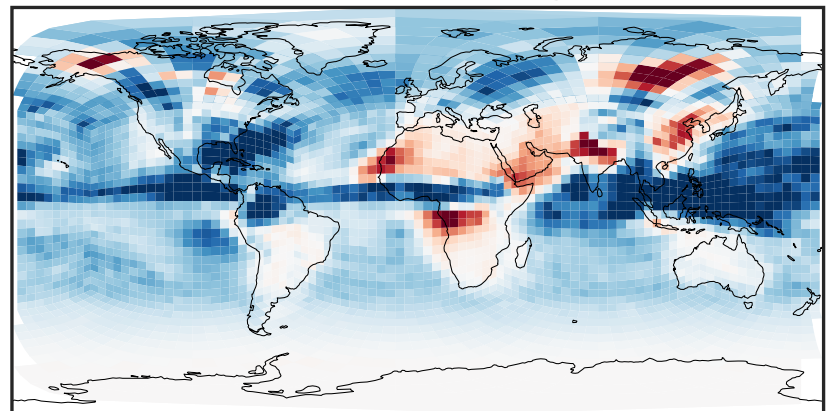
0.0 0.5 1.0 1.5  
s-1  $1e-6$

Difference  
Dev - Ref, Dynamic Range



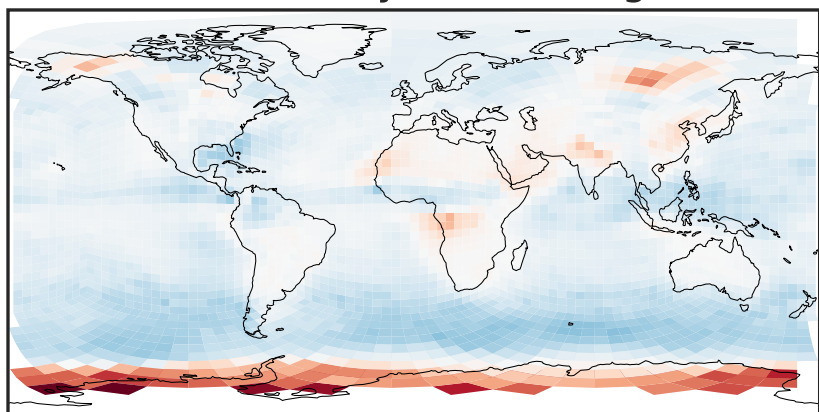
-2 0 2  
s-1  $1e-8$

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



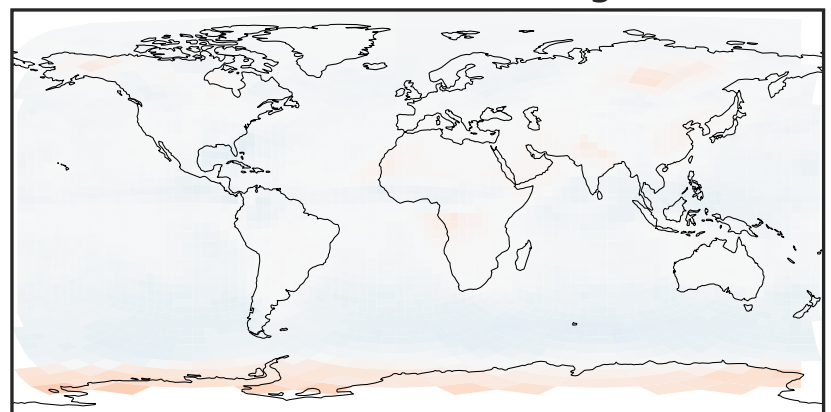
-1 0 1  
s-1  $1e-8$

Ratio  
Dev/Ref, Dynamic Range



0.8452 0.9226 1.0000 1.0916 1.1832  
unitless

Ratio  
Dev/Ref, Fixed Range

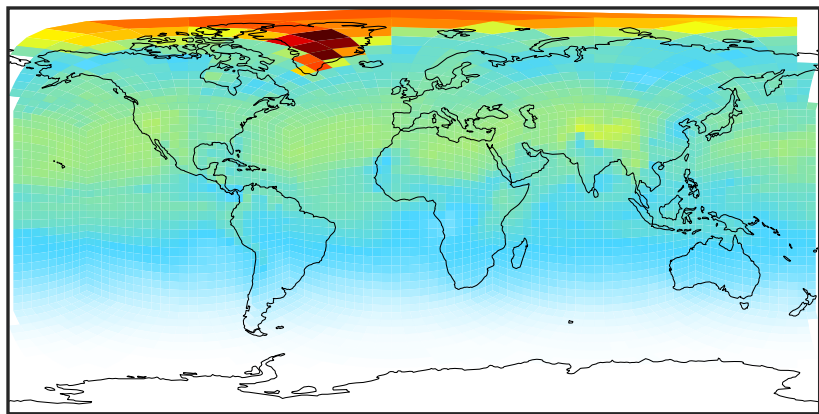


0.50 0.75 1.00 1.50 2.00  
unitless



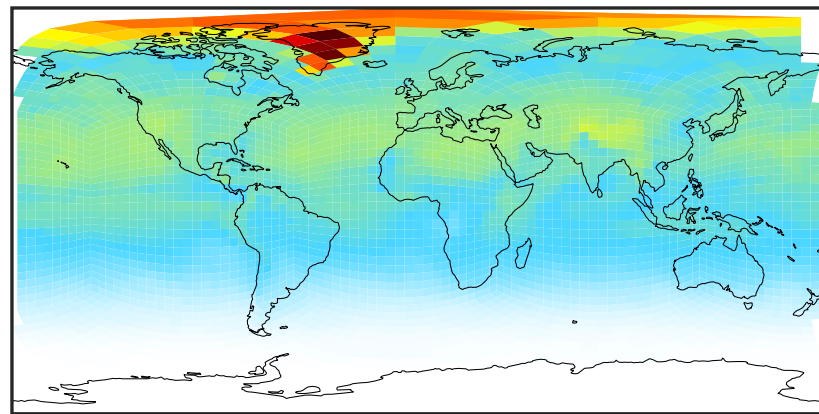
# Jval\_HPALD1 (Jul2019)

14.2.0-rc.2 (Ref)  
c24



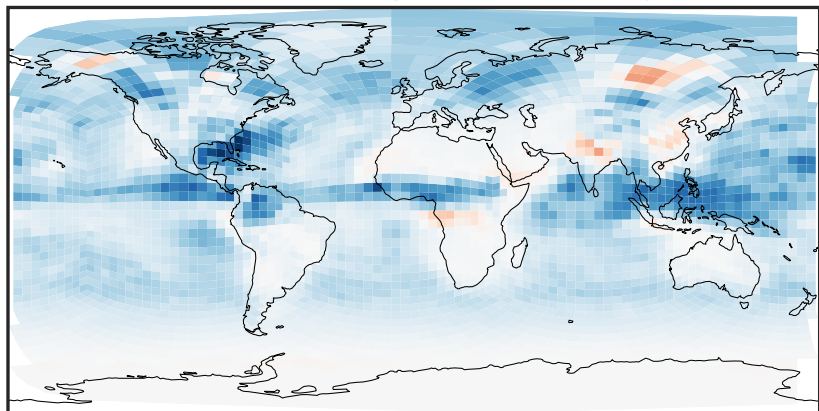
0.00000 0.00008 0.00016 0.00024  
s-1

14.3.0-rc.0 (Dev)  
c24



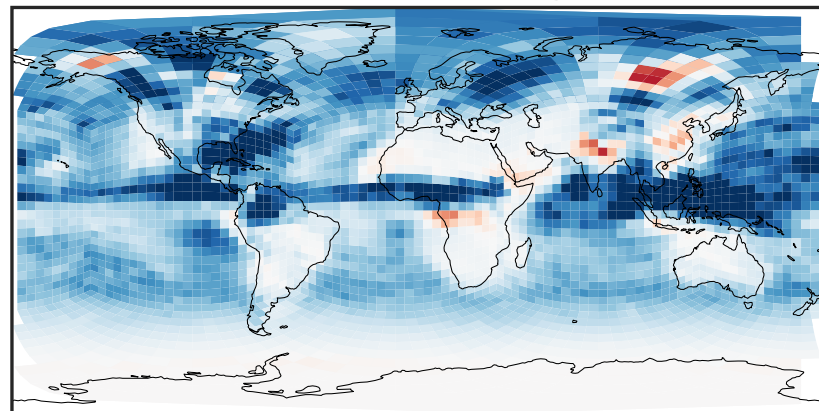
0.00000 0.00008 0.00016 0.00024  
s-1

Difference  
Dev - Ref, Dynamic Range



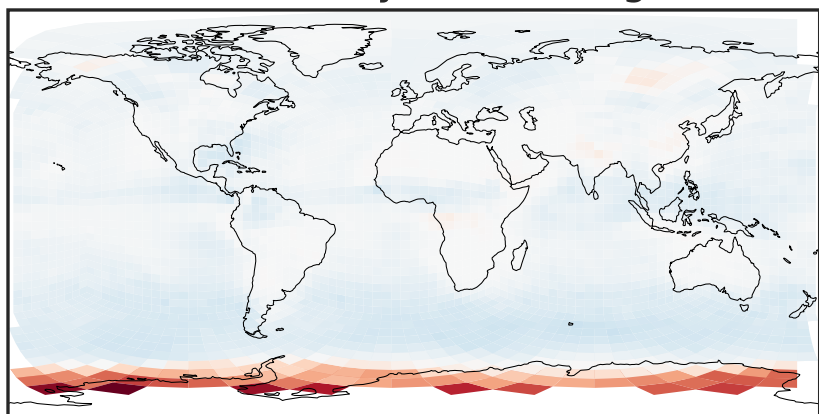
-3 0 3  
s-1  $1e-6$

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



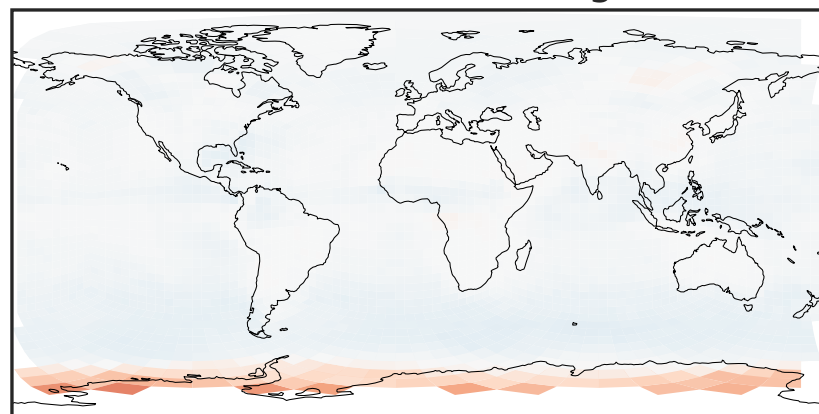
-1.5 0.0 1.5  
s-1  $1e-6$

Ratio  
Dev/Ref, Dynamic Range



0.7078 0.8539 1.0000 1.2064 1.4128  
unitless

Ratio  
Dev/Ref, Fixed Range

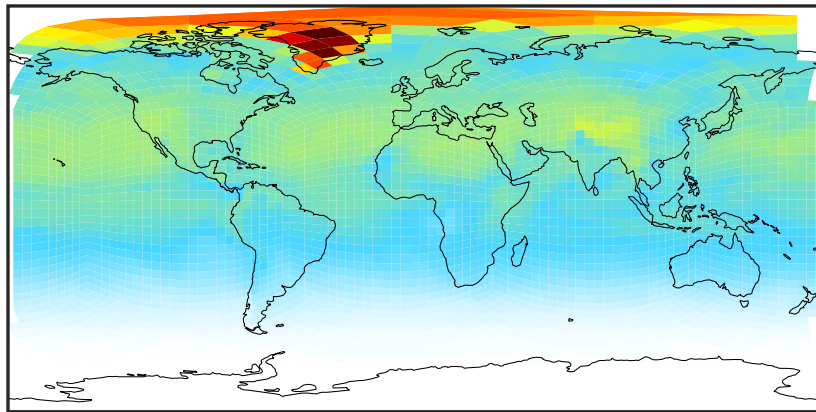


0.50 0.75 1.00 1.50 2.00  
unitless



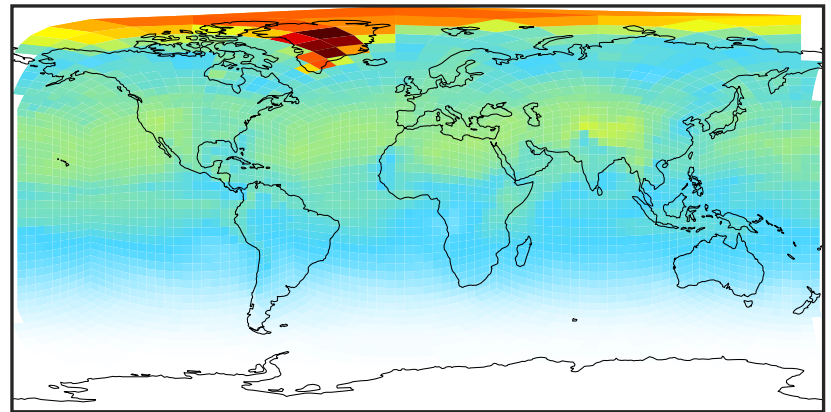
# Jval\_HPALD2 (Jul2019)

14.2.0-rc.2 (Ref)  
c24



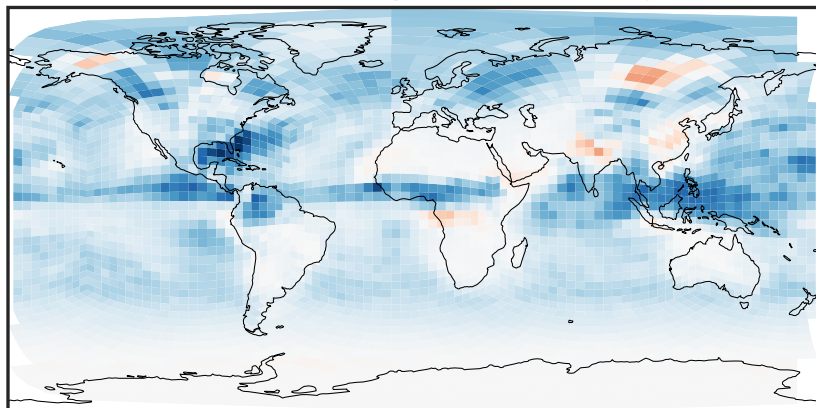
0.00000 0.00008 0.00016 0.00024  
s-1

14.3.0-rc.0 (Dev)  
c24



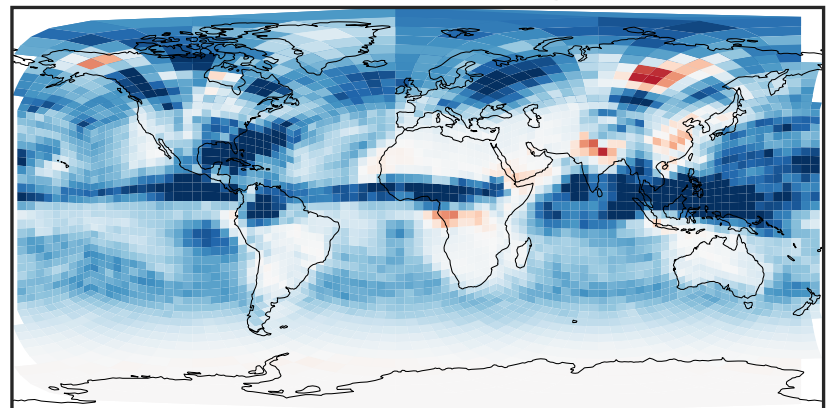
0.00000 0.00008 0.00016 0.00024  
s-1

Difference  
Dev - Ref, Dynamic Range



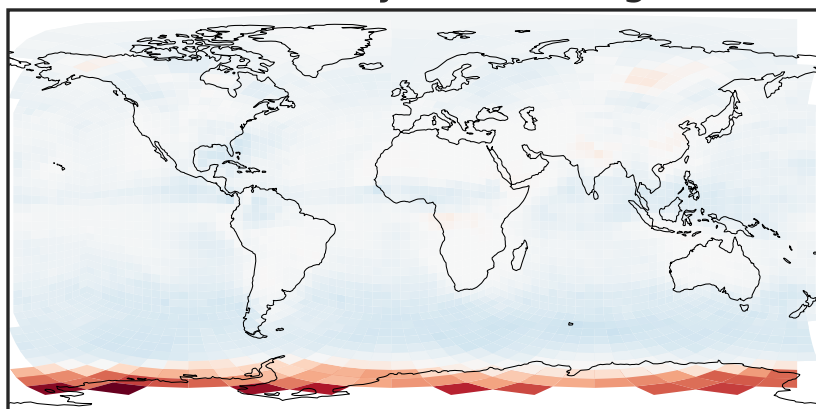
-3 0 3  
s-1 1e-6

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



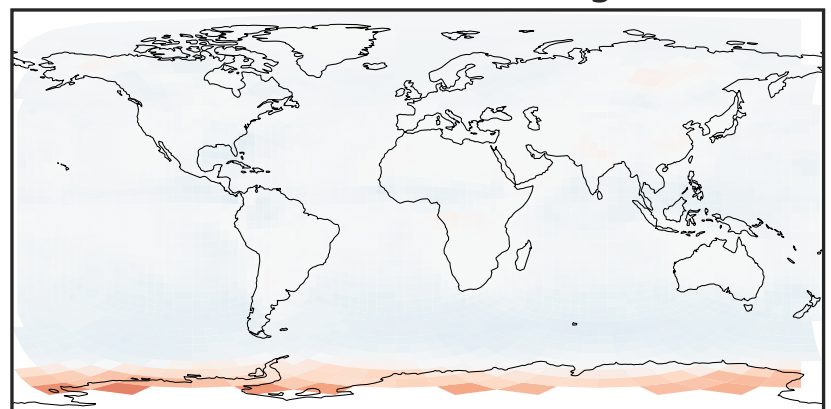
-1.5 0.0 1.5  
s-1 1e-6

Ratio  
Dev/Ref, Dynamic Range



0.7079 0.8539 1.0000 1.2064 1.4127  
unitless

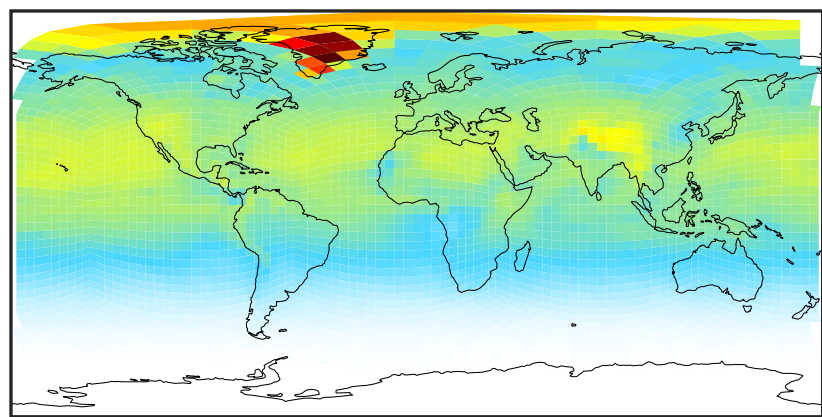
Ratio  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

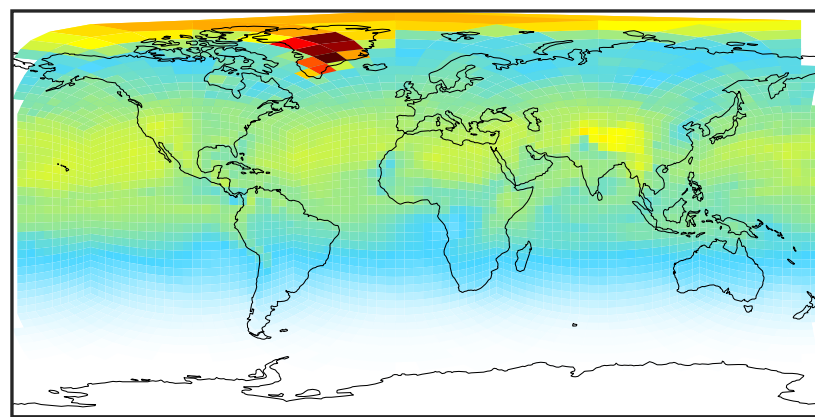
# Jval\_HPALD3 (Jul2019)

14.2.0-rc.2 (Ref)  
c24



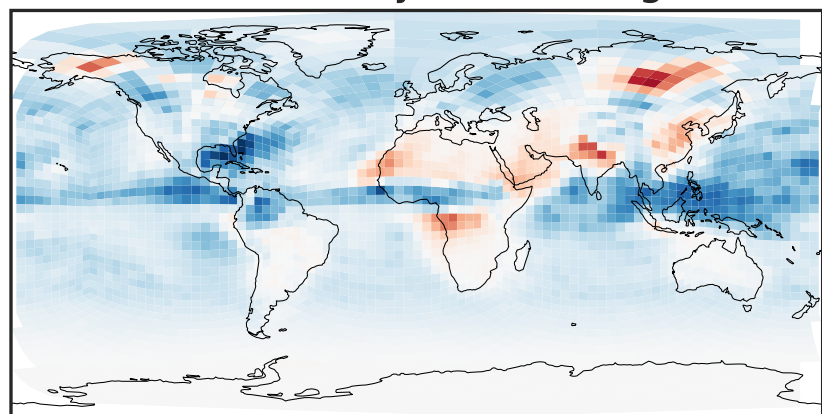
0.0 1.5 3.0  $1e-5$   
s-1

14.3.0-rc.0 (Dev)  
c24



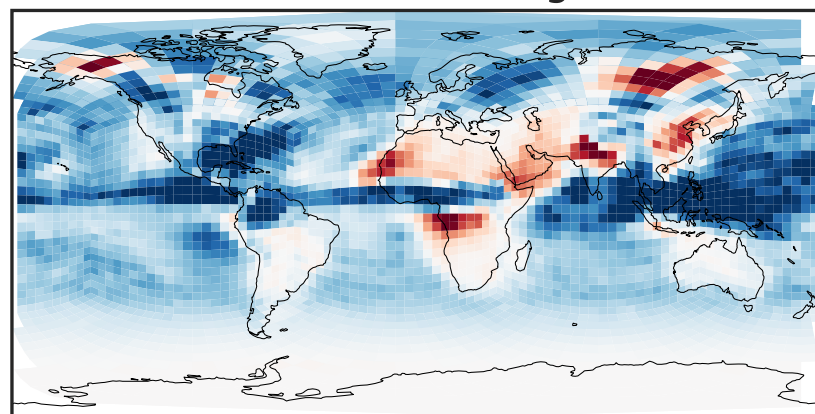
0.0 1.5 3.0  $1e-5$   
s-1

Difference  
Dev - Ref, Dynamic Range



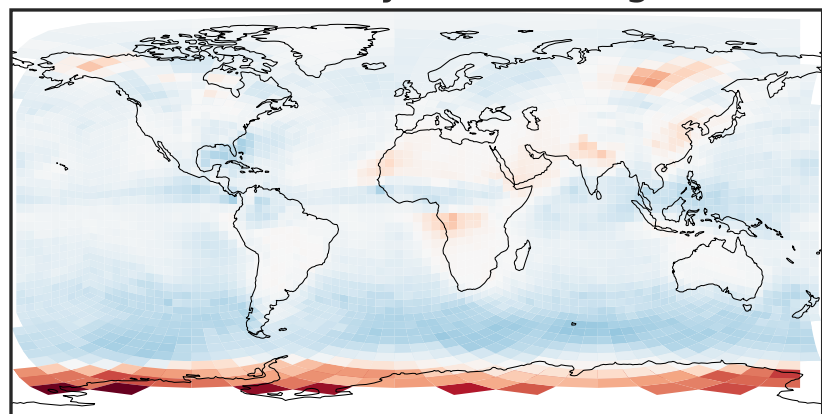
-5 0 5  $1e-7$   
s-1

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



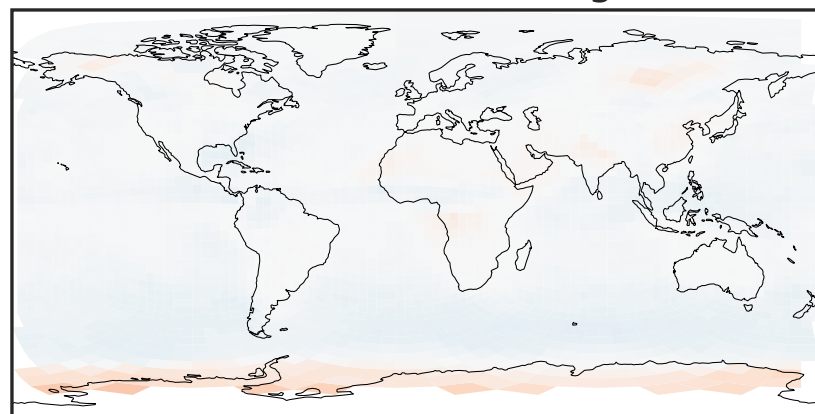
-2.5 0.0 2.5  $1e-7$   
s-1

Ratio  
Dev/Ref, Dynamic Range



0.8309 0.9155 1.0000 1.1018 1.2035  
unitless

Ratio  
Dev/Ref, Fixed Range

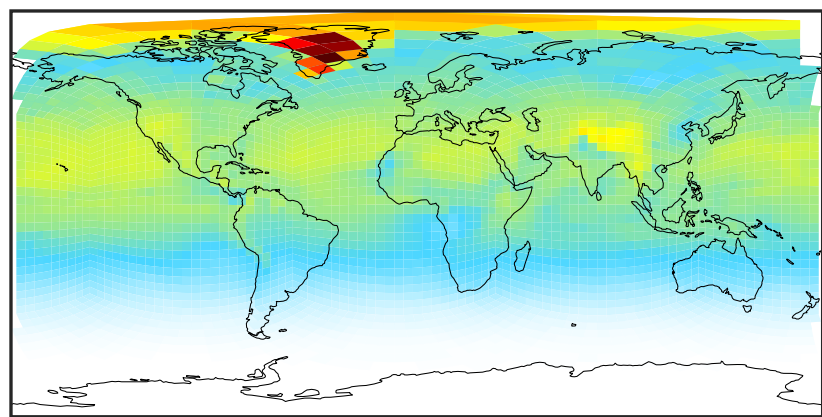


0.50 0.75 1.00 1.50 2.00  
unitless



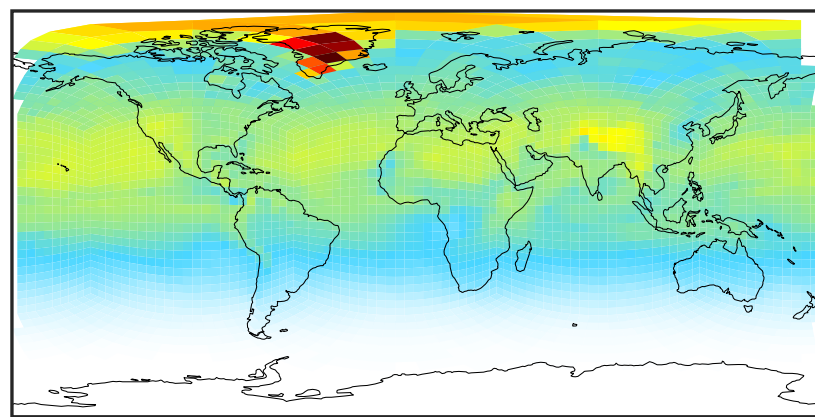
# Jval\_HPALD4 (Jul2019)

14.2.0-rc.2 (Ref)  
c24



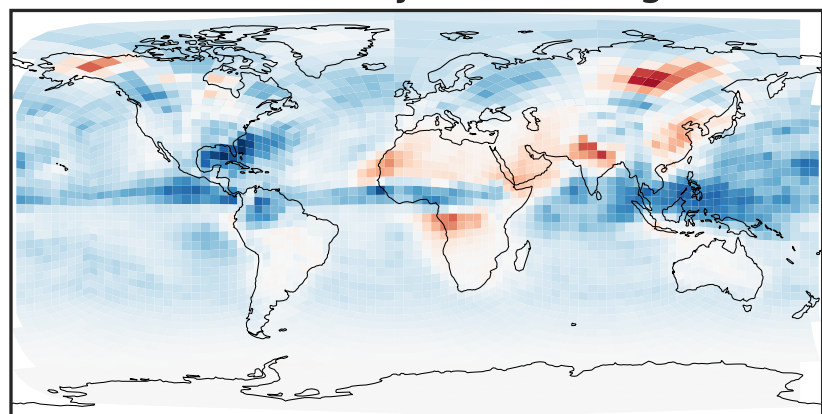
0.0 1.5 3.0  $1e-5$   
s-1

14.3.0-rc.0 (Dev)  
c24



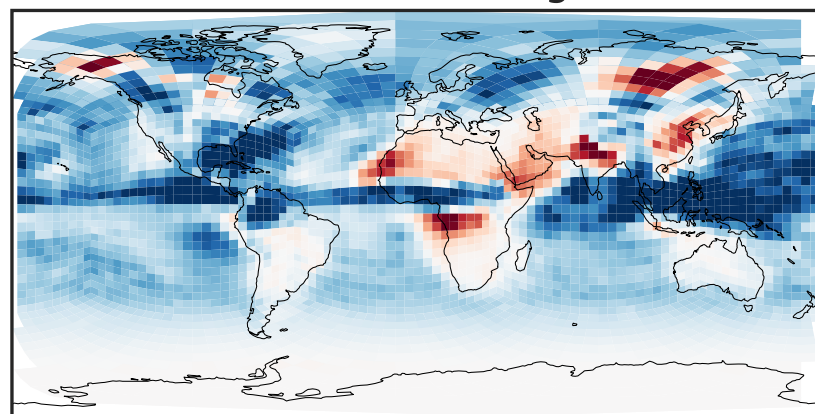
0.0 1.5 3.0  $1e-5$   
s-1

Difference  
Dev - Ref, Dynamic Range



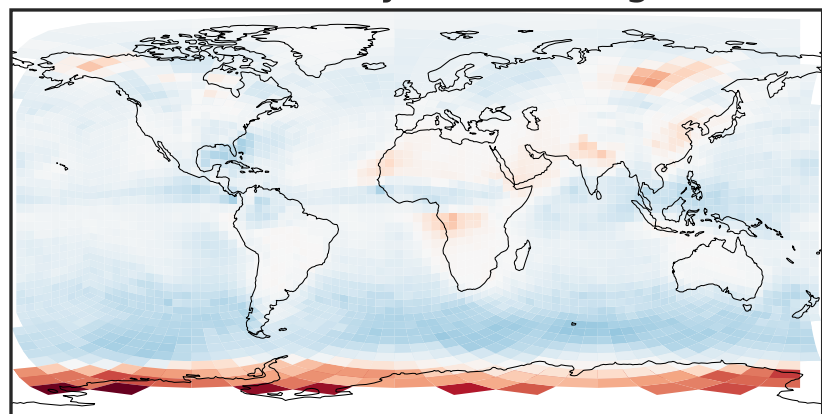
-5 0 5  $1e-7$   
s-1

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



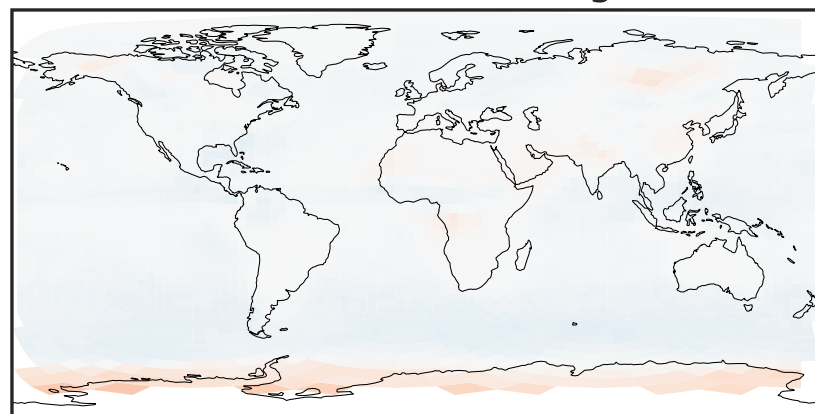
-2.5 0.0 2.5  $1e-7$   
s-1

Ratio  
Dev/Ref, Dynamic Range



0.8309 0.9155 1.0000 1.1018 1.2035  
unitless

Ratio  
Dev/Ref, Fixed Range

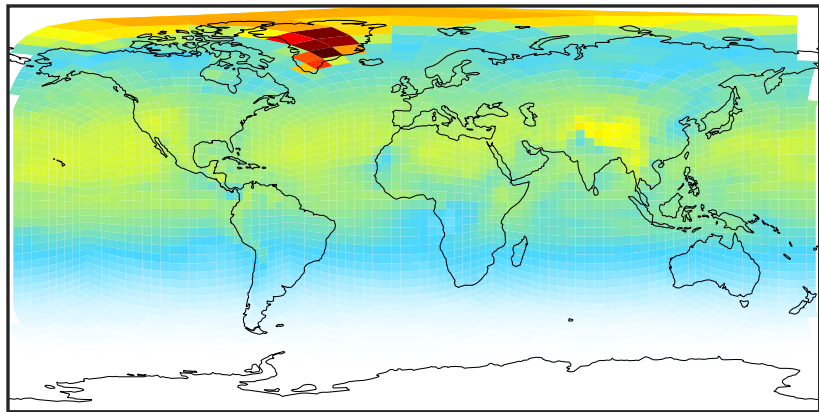


0.50 0.75 1.00 1.50 2.00  
unitless



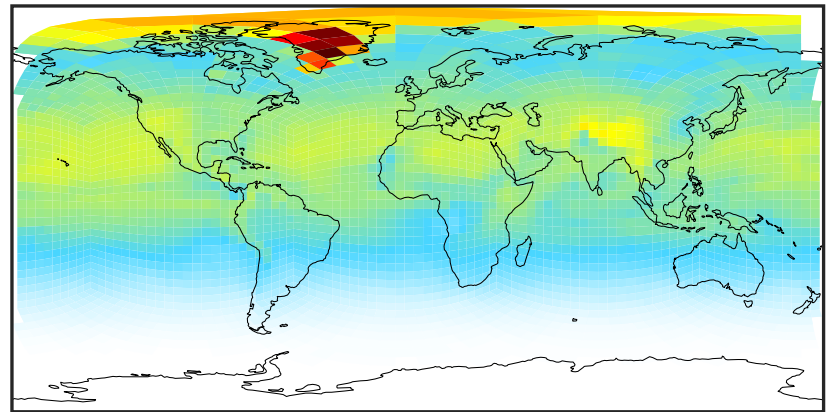
# Jval\_HPETHNL (Jul2019)

14.2.0-rc.2 (Ref)  
c24



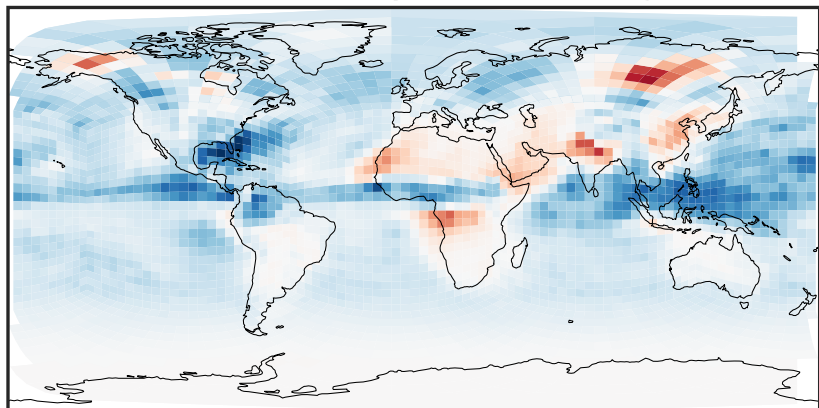
0.0 1.5 3.0  $1e-5$   
s-1

14.3.0-rc.0 (Dev)  
c24



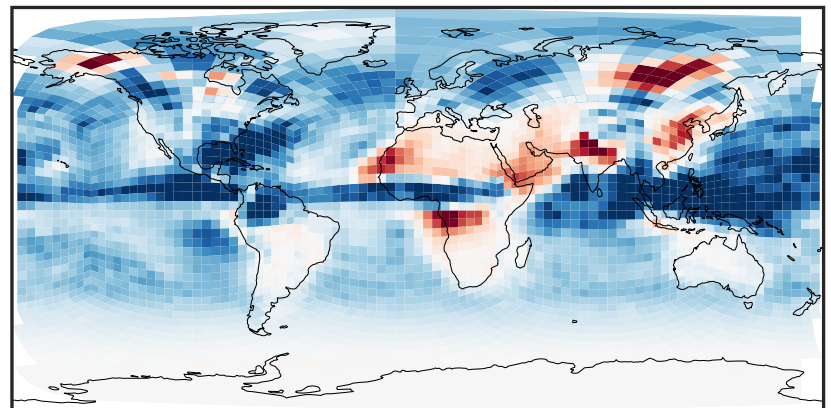
0.0 1.5 3.0  $1e-5$   
s-1

Difference  
Dev - Ref, Dynamic Range



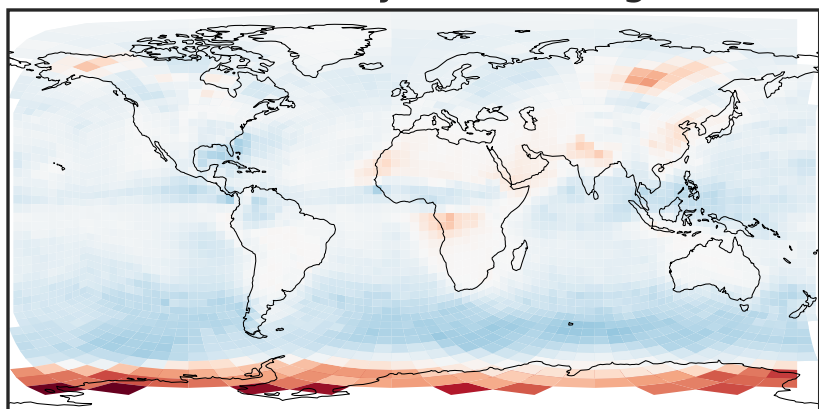
-5 0 5  $1e-7$   
s-1

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



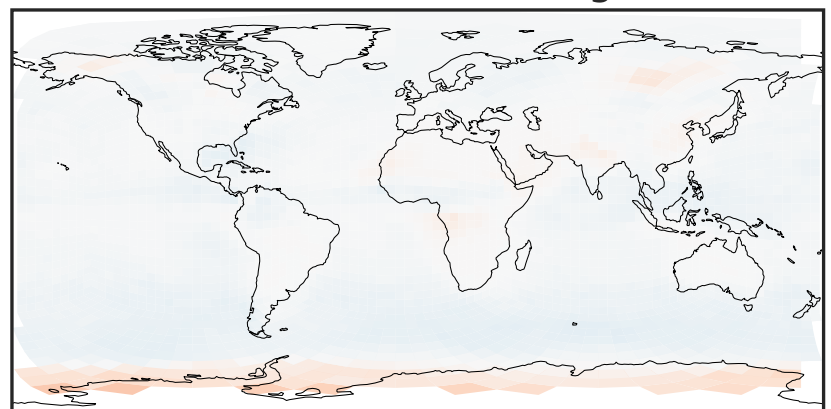
-2.5 0.0 2.5  $1e-7$   
s-1

Ratio  
Dev/Ref, Dynamic Range



0.8309 0.9155 1.0000 1.1018 1.2035  
unitless

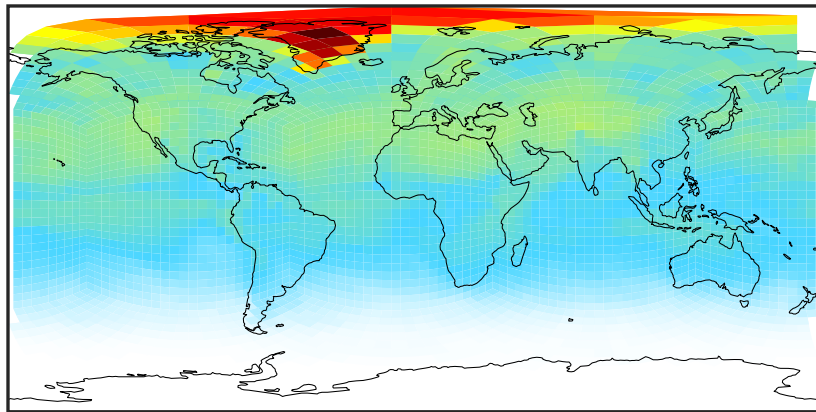
Ratio  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

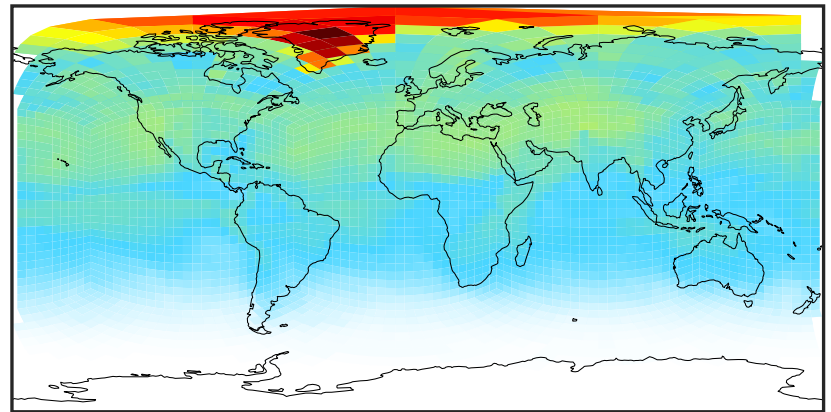
# Jval\_I2 (Jul2019)

14.2.0-rc.2 (Ref)  
c24



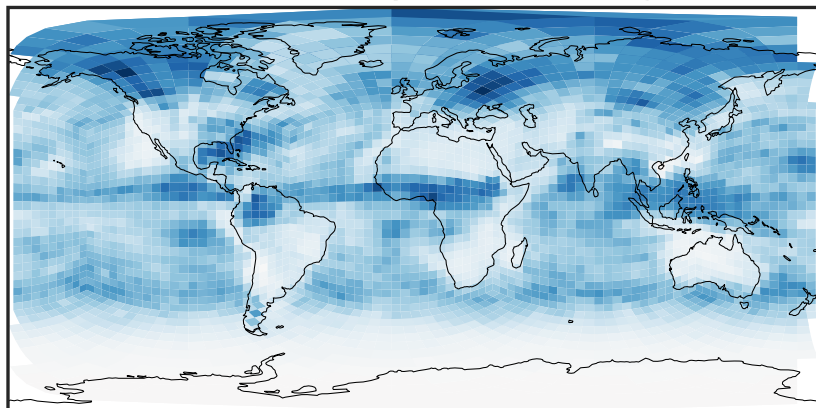
0.0000 0.0637 0.1274 0.1911 0.2548  
s-1

14.3.0-rc.0 (Dev)  
c24



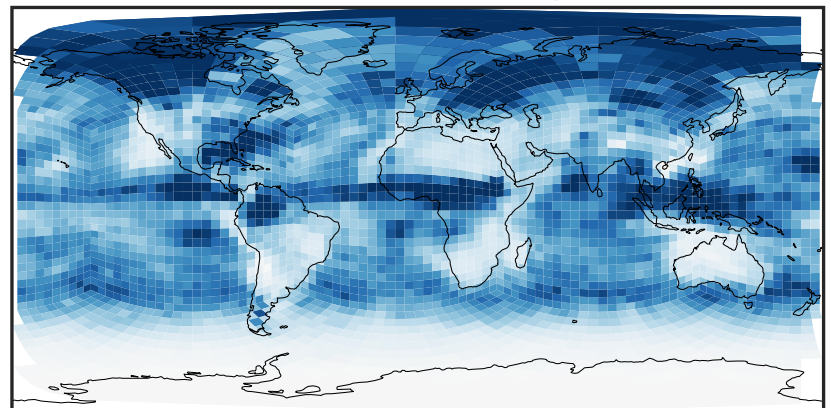
0.0000 0.0637 0.1274 0.1911 0.2548  
s-1

Difference  
Dev - Ref, Dynamic Range



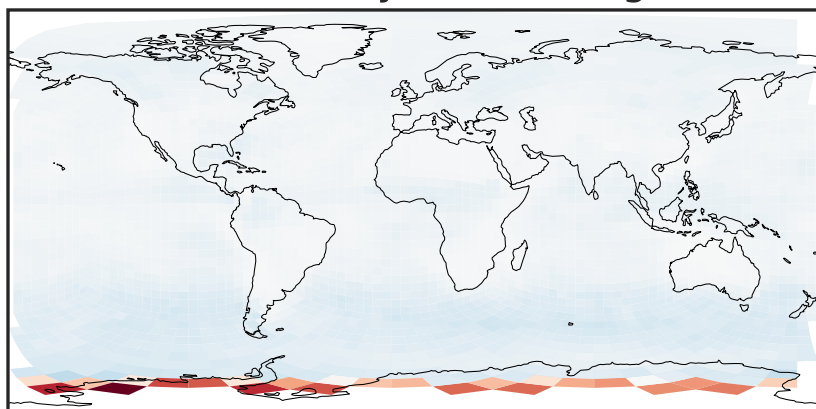
-0.003 0.000 0.003  
s-1

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



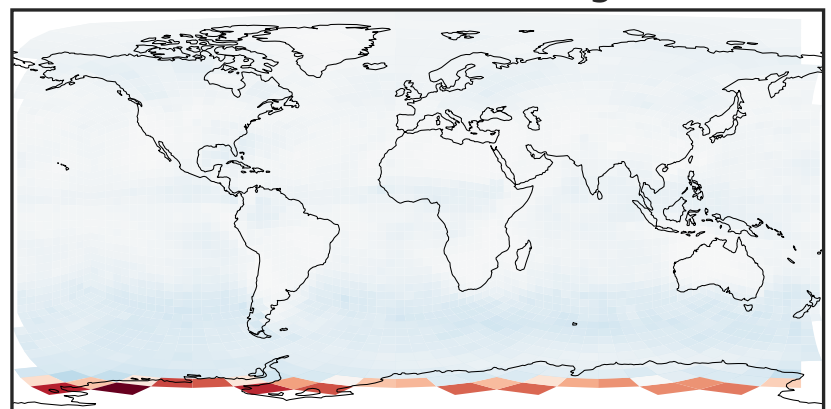
-0.002 0.000 0.002  
s-1

Ratio  
Dev/Ref, Dynamic Range



0.495 0.748 1.000 1.510 2.019  
unitless

Ratio  
Dev/Ref, Fixed Range

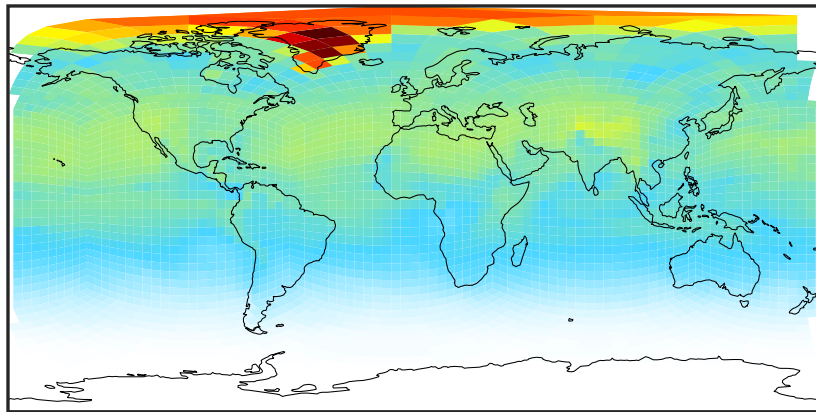


0.50 0.75 1.00 1.50 2.00  
unitless



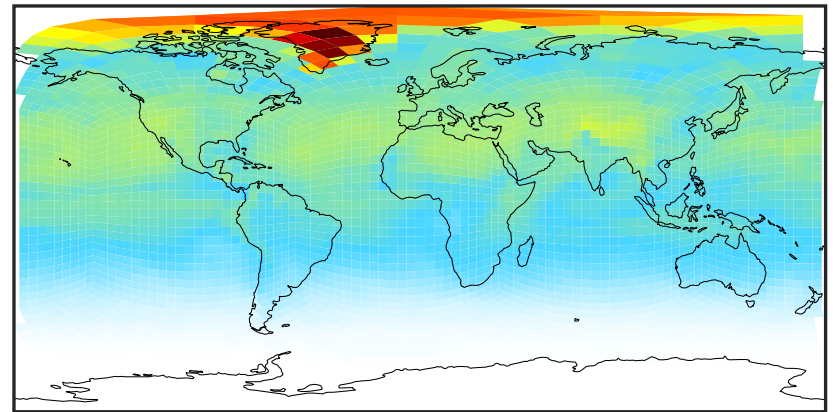
# Jval\_I2O2 (Jul2019)

14.2.0-rc.2 (Ref)  
c24



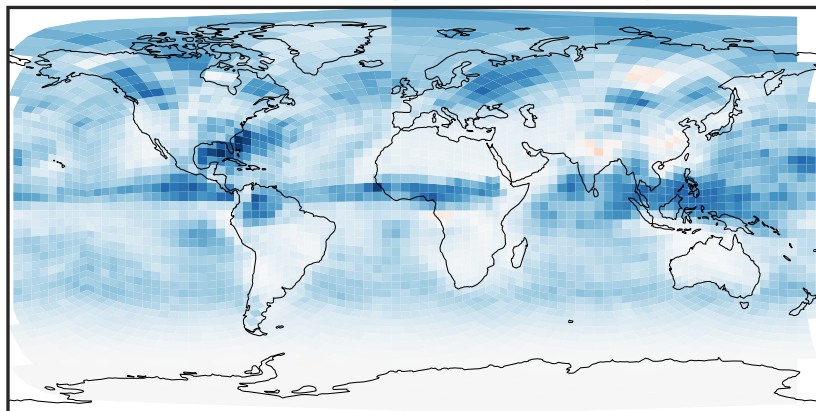
0.000 0.015 0.030 0.045  
s-1

14.3.0-rc.0 (Dev)  
c24



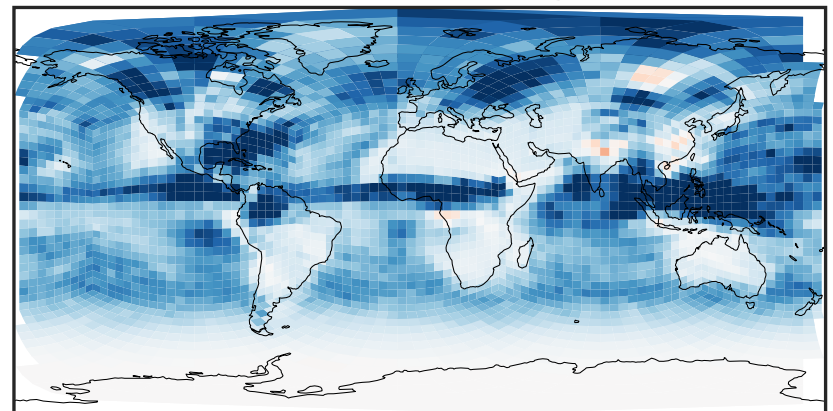
0.000 0.015 0.030 0.045  
s-1

Difference  
Dev - Ref, Dynamic Range



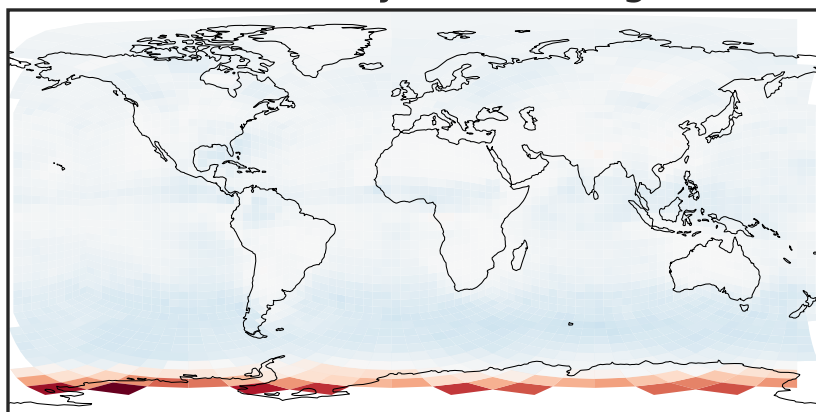
-0.0005 0.0000 0.0005  
s-1

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



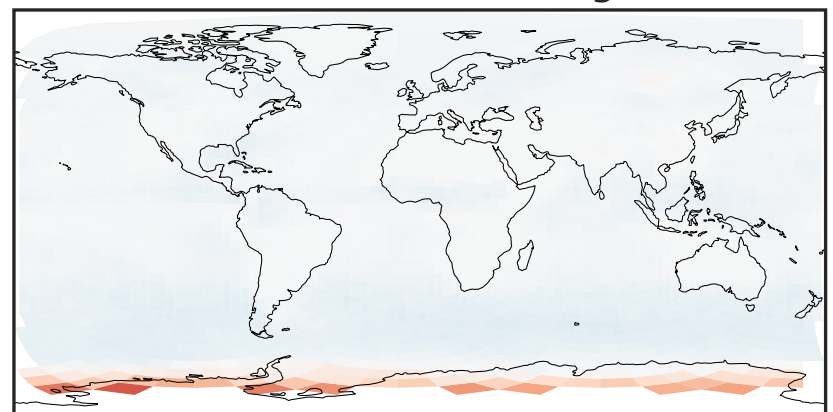
-0.0003 0.0000 0.0003  
s-1

Ratio  
Dev/Ref, Dynamic Range



0.6516 0.8258 1.0000 1.2674 1.5348  
unitless

Ratio  
Dev/Ref, Fixed Range

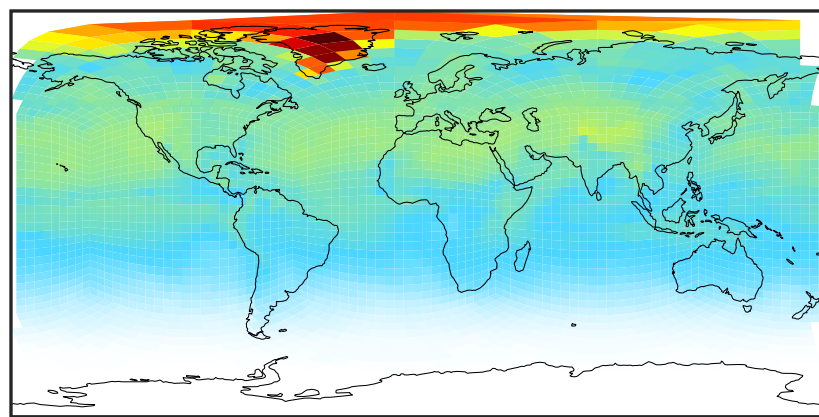


0.50 0.75 1.00 1.50 2.00  
unitless



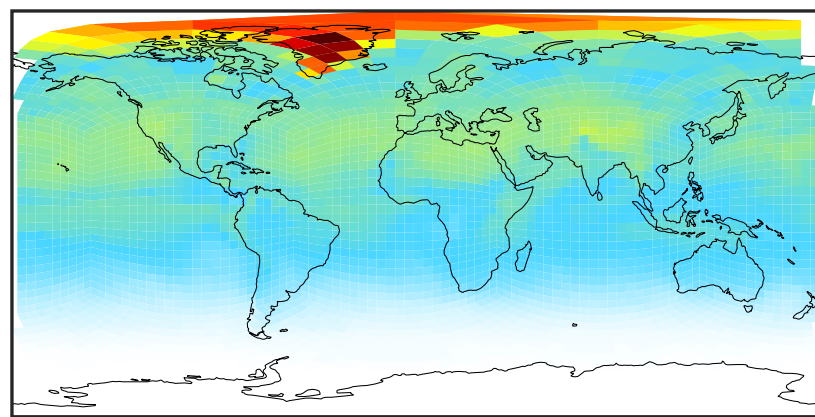
# Jval\_I2O3 (Jul2019)

14.2.0-rc.2 (Ref)  
c24



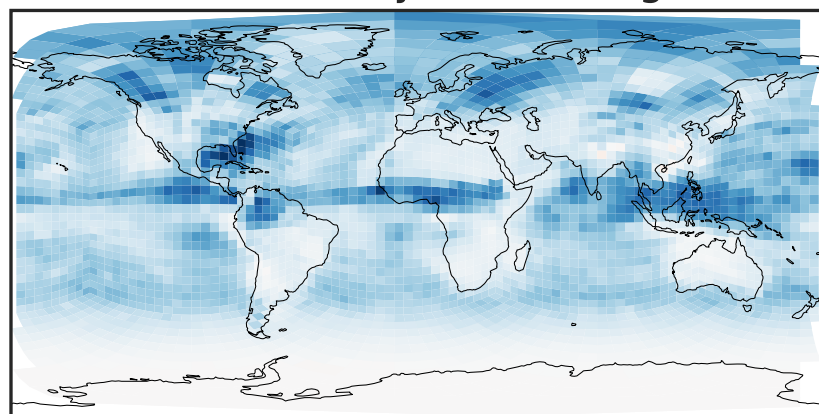
0.000 0.015 0.030  
s-1

14.3.0-rc.0 (Dev)  
c24



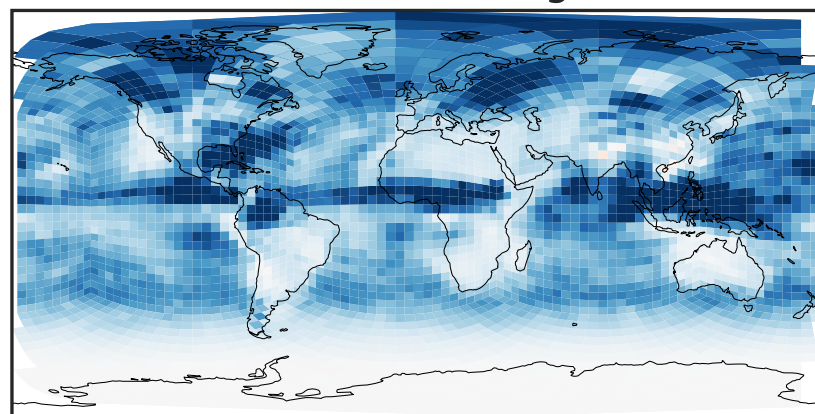
0.000 0.015 0.030  
s-1

Difference  
Dev - Ref, Dynamic Range



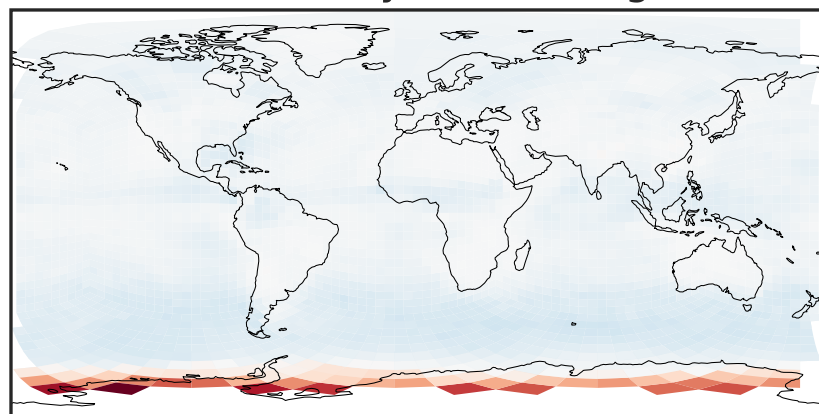
-0.0004 0.0000 0.0004  
s-1

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



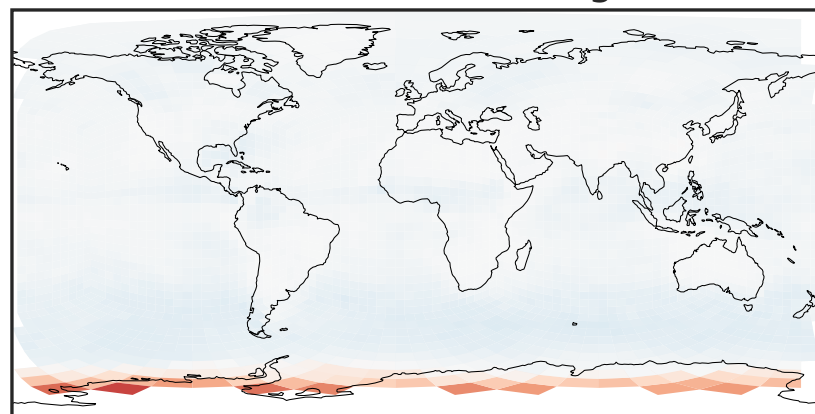
-0.00025 0.00000 0.00025  
s-1

Ratio  
Dev/Ref, Dynamic Range



0.6275 0.8137 1.0000 1.2968 1.5937  
unitless

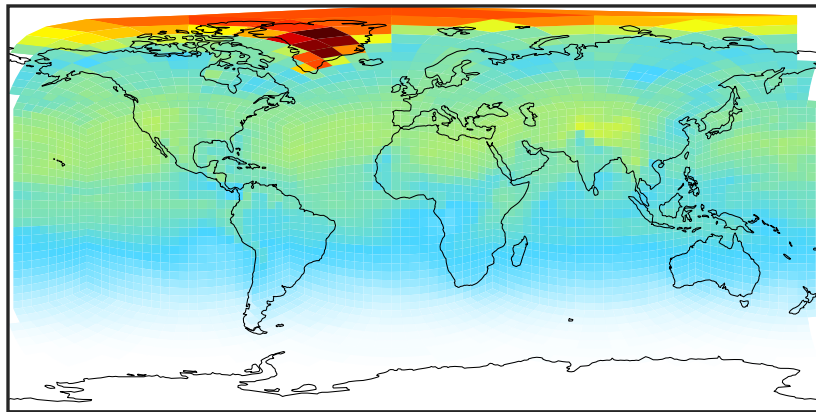
Ratio  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

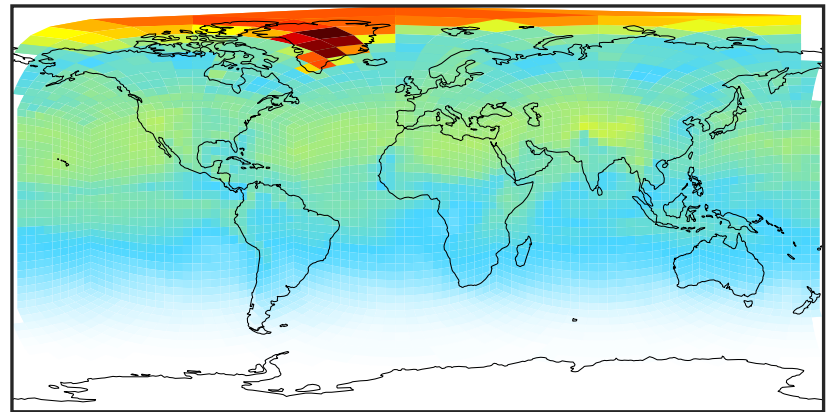
# Jval\_I2O4 (Jul2019)

14.2.0-rc.2 (Ref)  
c24



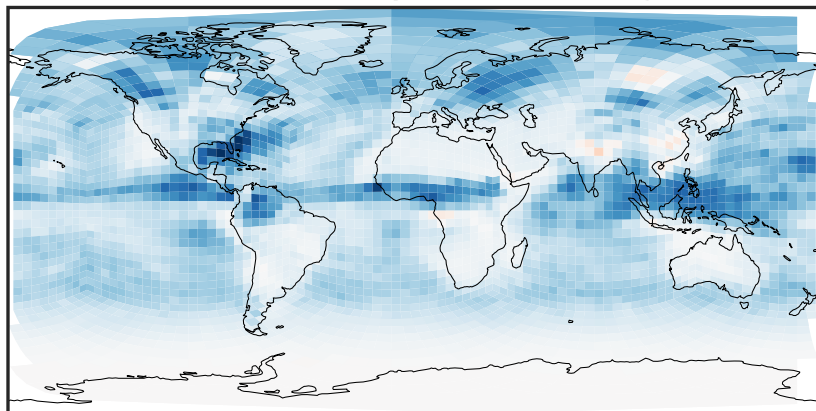
0.000 0.015 0.030 0.045  
s-1

14.3.0-rc.0 (Dev)  
c24



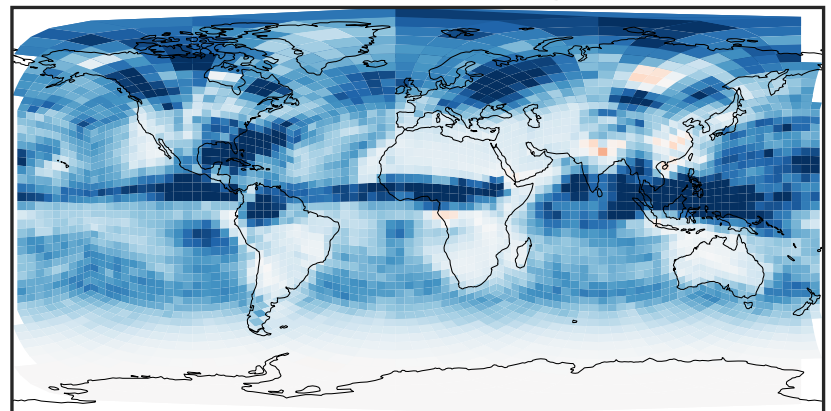
0.000 0.015 0.030 0.045  
s-1

Difference  
Dev - Ref, Dynamic Range



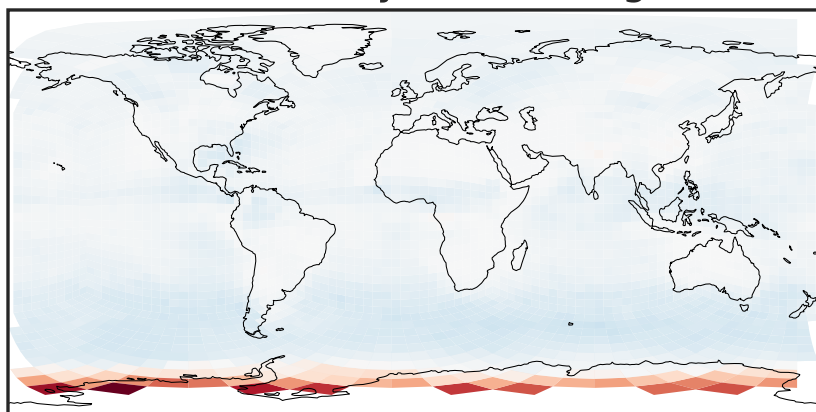
-0.0005 0.0000 0.0005  
s-1

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



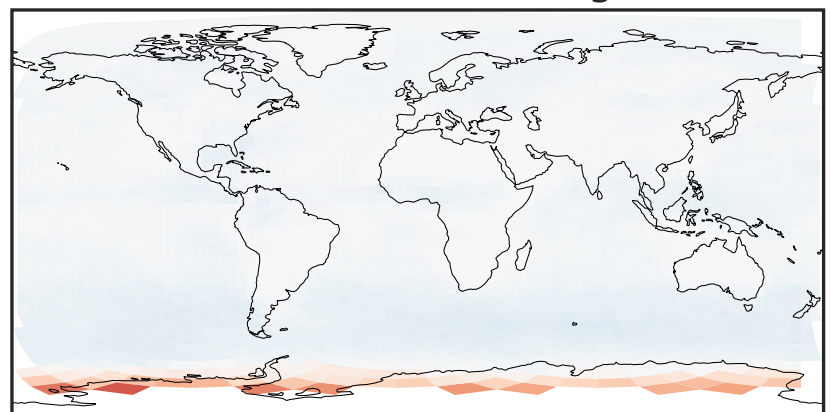
-0.0003 0.0000 0.0003  
s-1

Ratio  
Dev/Ref, Dynamic Range



0.6516 0.8258 1.0000 1.2674 1.5348  
unitless

Ratio  
Dev/Ref, Fixed Range

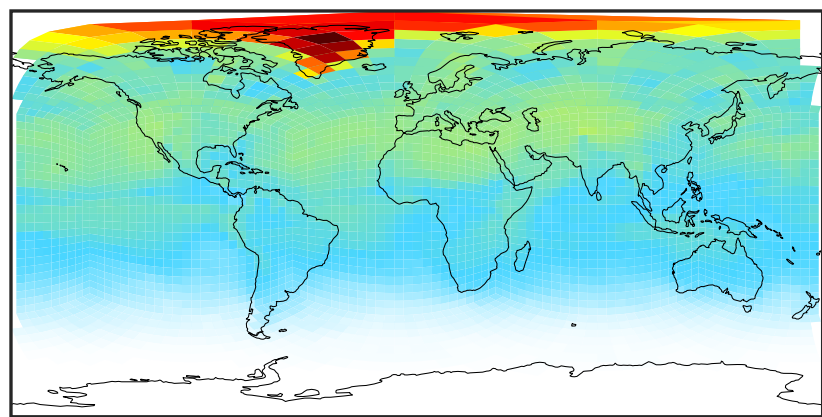


0.50 0.75 1.00 1.50 2.00  
unitless



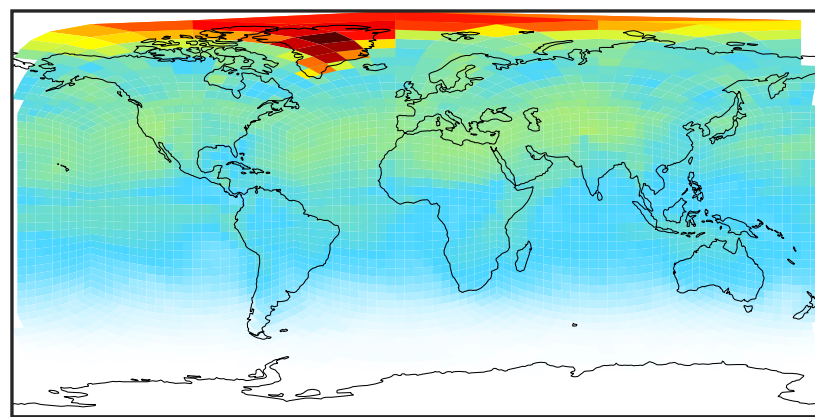
# Jval\_IBr (Jul2019)

14.2.0-rc.2 (Ref)  
c24



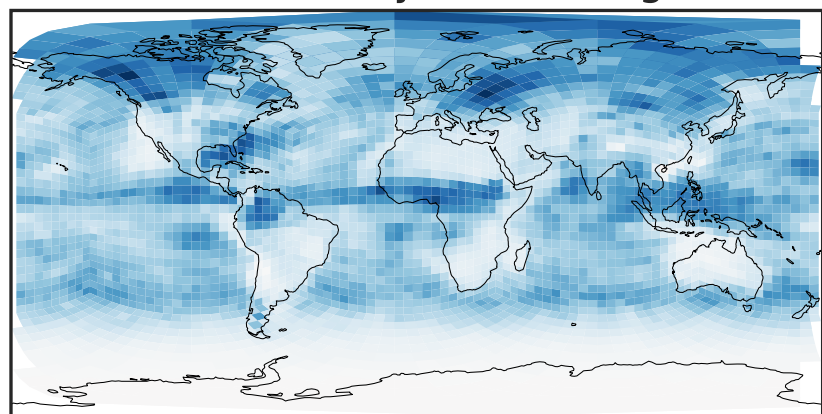
0.0000 0.0266 0.0532 0.0798 0.1065  
s-1

14.3.0-rc.0 (Dev)  
c24



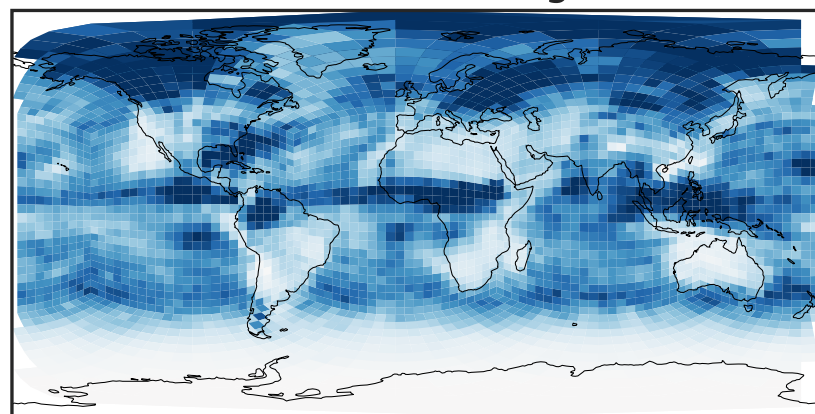
0.0000 0.0266 0.0532 0.0798 0.1065  
s-1

Difference  
Dev - Ref, Dynamic Range



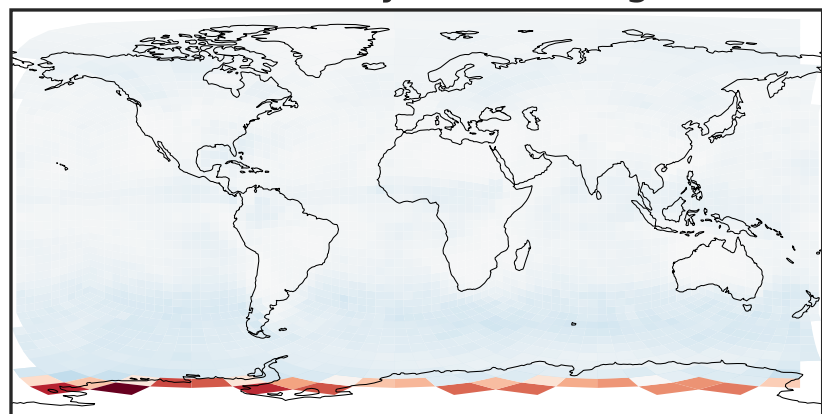
-0.0015 0.0000 0.0015  
s-1

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



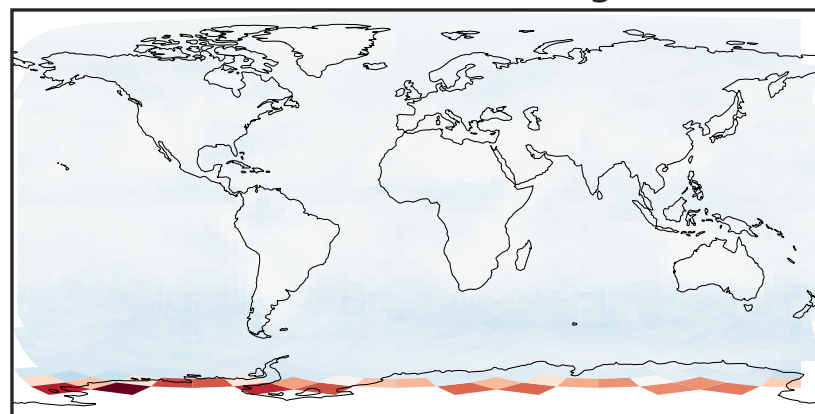
-0.0008 0.0000 0.0008  
s-1

Ratio  
Dev/Ref, Dynamic Range



0.498 0.749 1.000 1.504 2.009  
unitless

Ratio  
Dev/Ref, Fixed Range

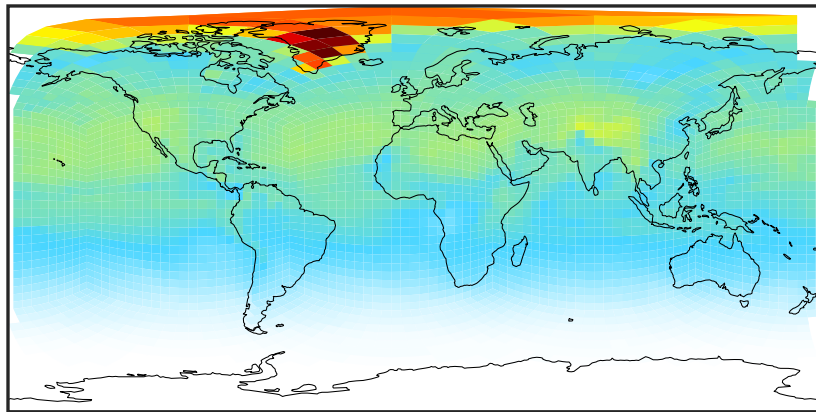


0.50 0.75 1.00 1.50 2.00  
unitless



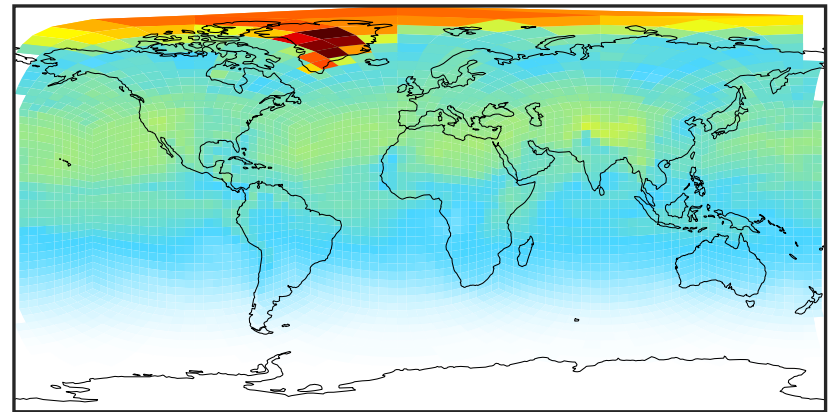
# Jval\_ICN (Jul2019)

14.2.0-rc.2 (Ref)  
c24



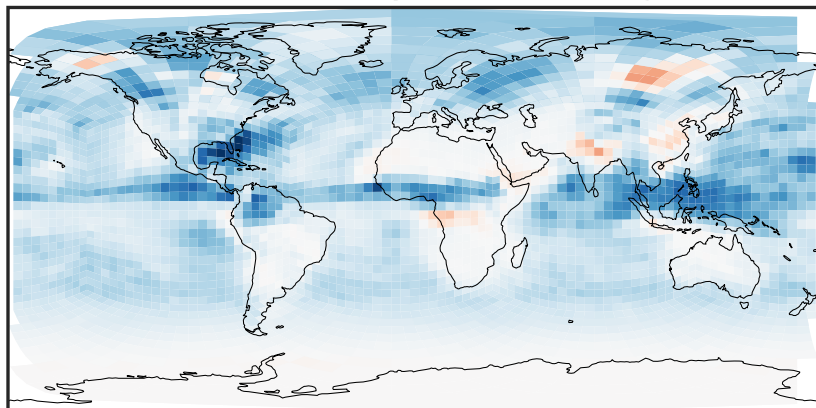
0.00000 0.00008 0.00016 0.00024  
s-1

14.3.0-rc.0 (Dev)  
c24



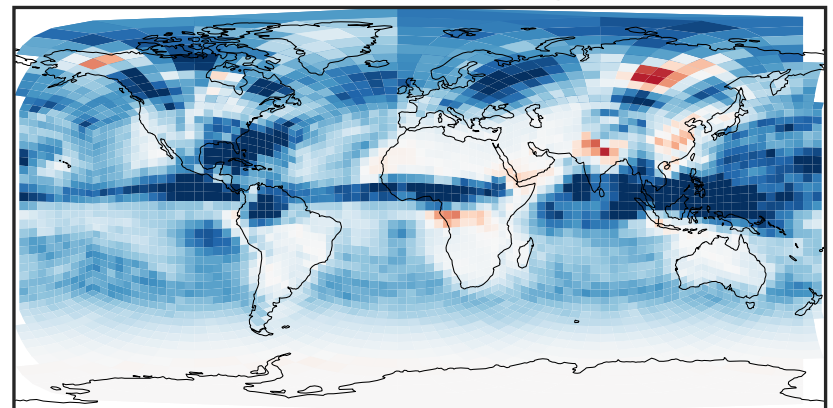
0.00000 0.00008 0.00016 0.00024  
s-1

Difference  
Dev - Ref, Dynamic Range



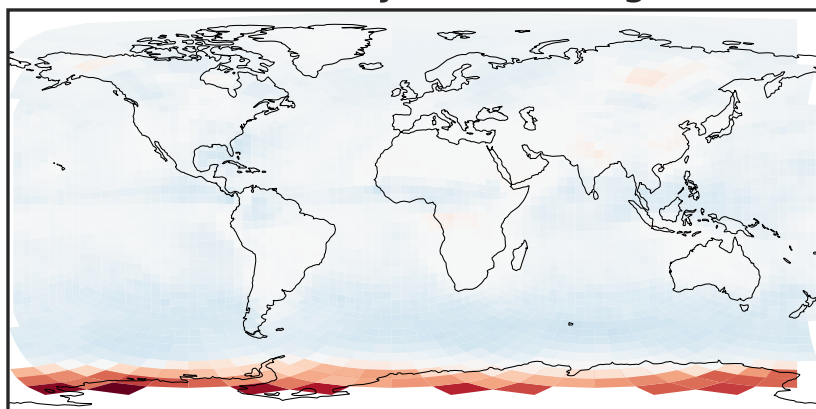
-3 0 3  
s-1 1e-6

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



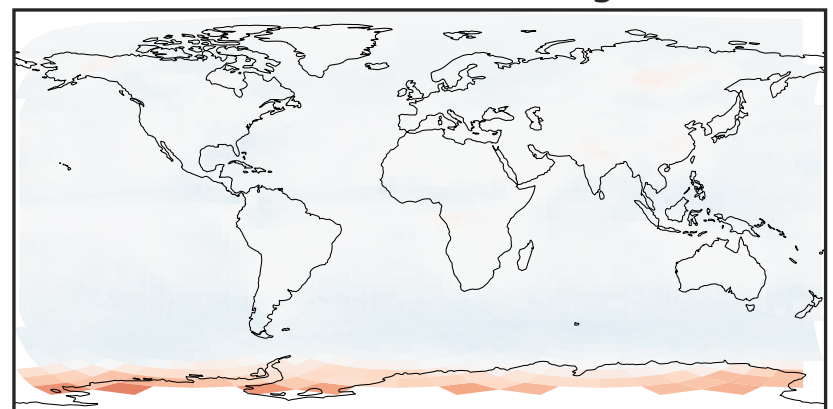
-1.5 0.0 1.5  
s-1 1e-6

Ratio  
Dev/Ref, Dynamic Range



0.7084 0.8542 1.0000 1.2058 1.4117  
unitless

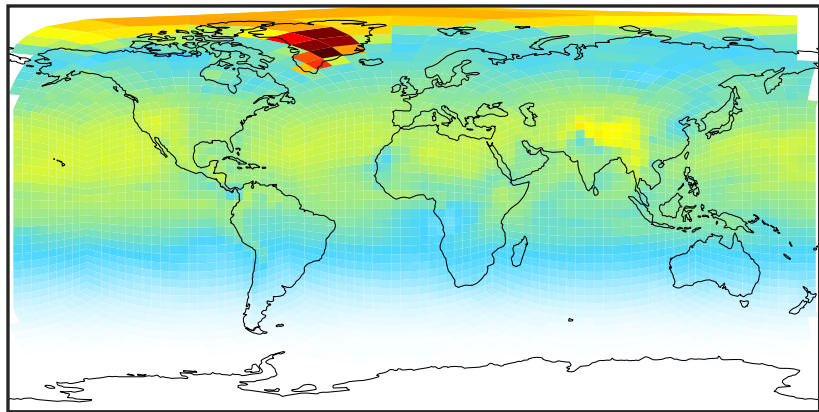
Ratio  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

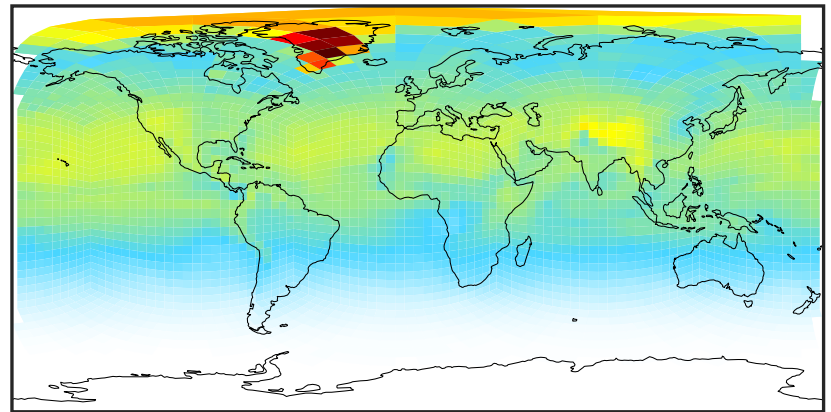
# Jval\_ICPDH (Jul2019)

14.2.0-rc.2 (Ref)  
c24



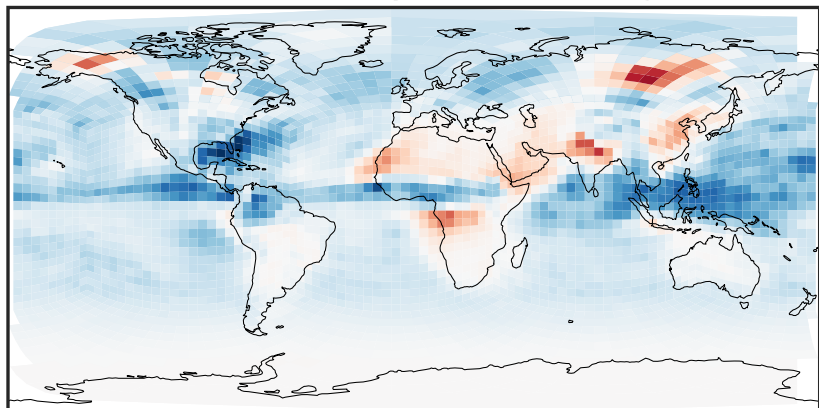
0.0 1.5 3.0  $1e-5$   
s-1

14.3.0-rc.0 (Dev)  
c24



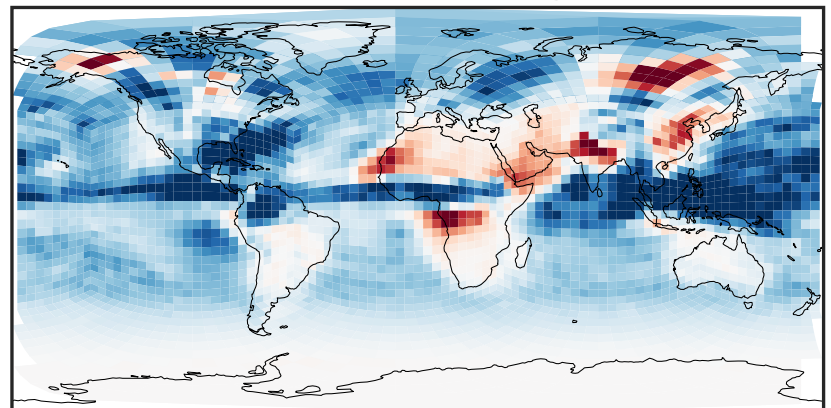
0.0 1.5 3.0  $1e-5$   
s-1

Difference  
Dev - Ref, Dynamic Range



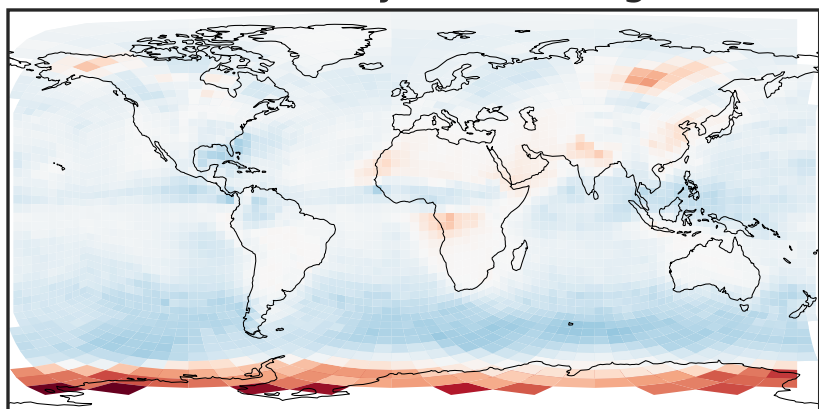
-5 0 5  $1e-7$   
s-1

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



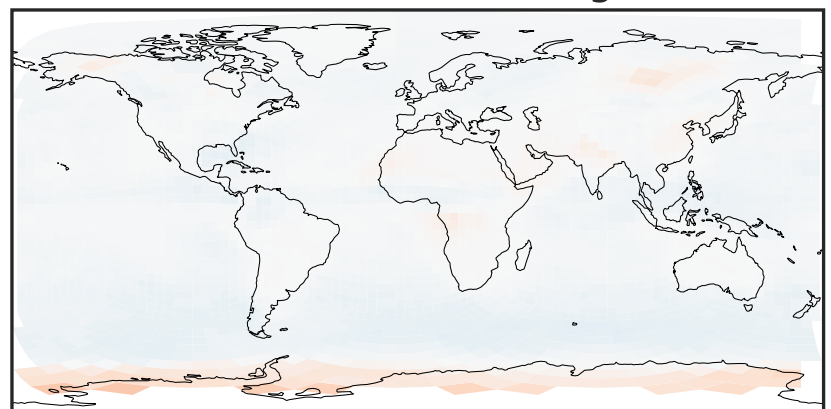
-2.5 0.0 2.5  $1e-7$   
s-1

Ratio  
Dev/Ref, Dynamic Range



0.8307 0.9154 1.0000 1.1019 1.2038  
unitless

Ratio  
Dev/Ref, Fixed Range

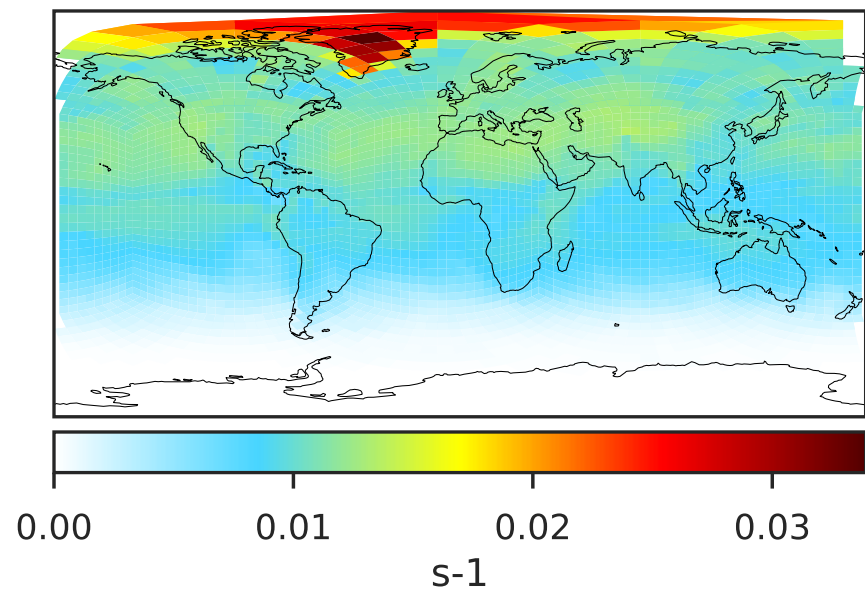


0.50 0.75 1.00 1.50 2.00  
unitless

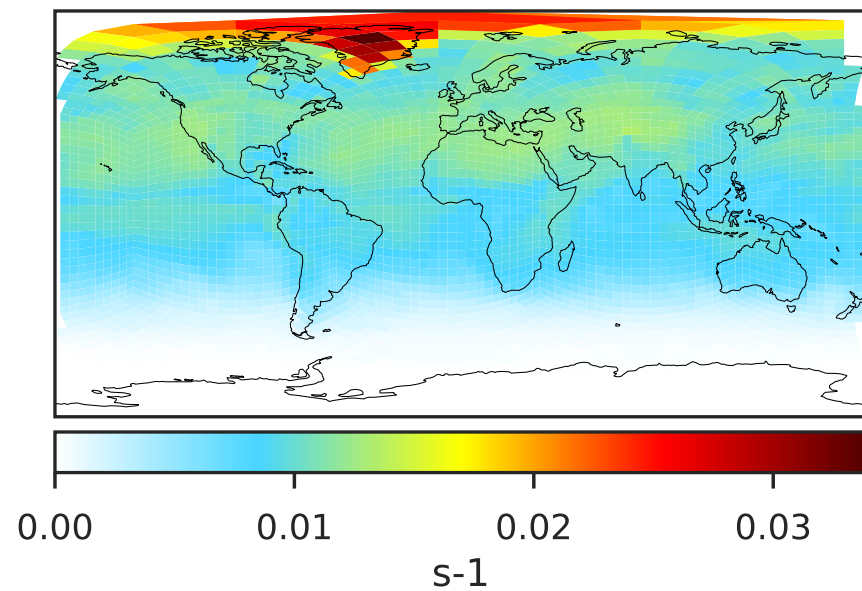


# Jval\_ICI (Jul2019)

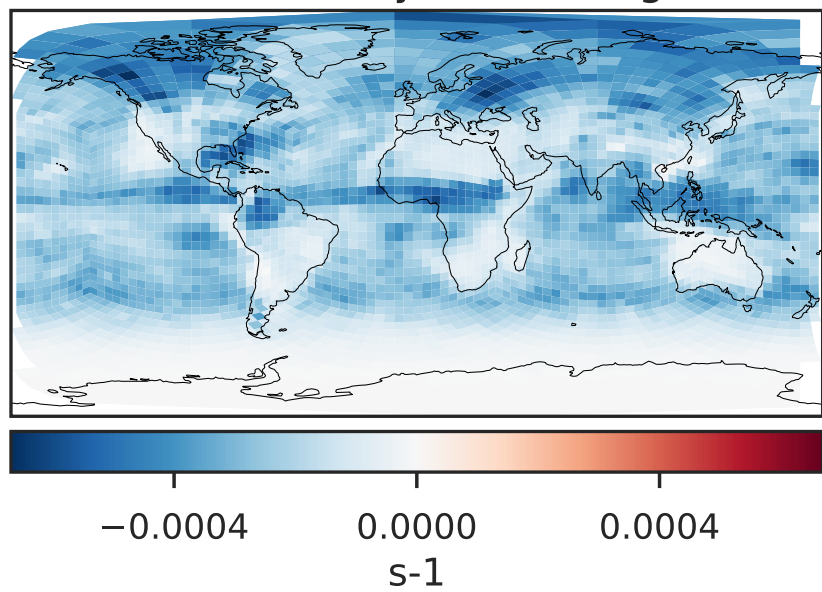
14.2.0-rc.2 (Ref)  
c24



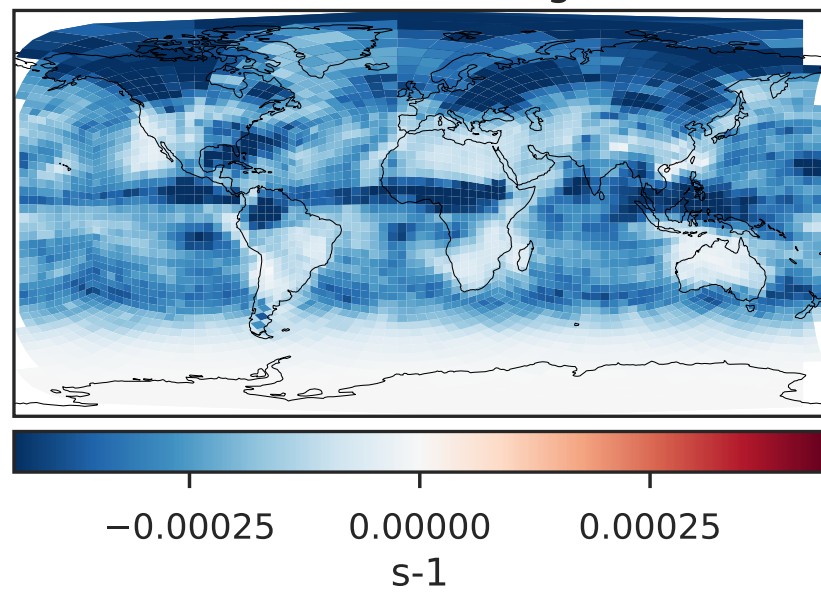
14.3.0-rc.0 (Dev)  
c24



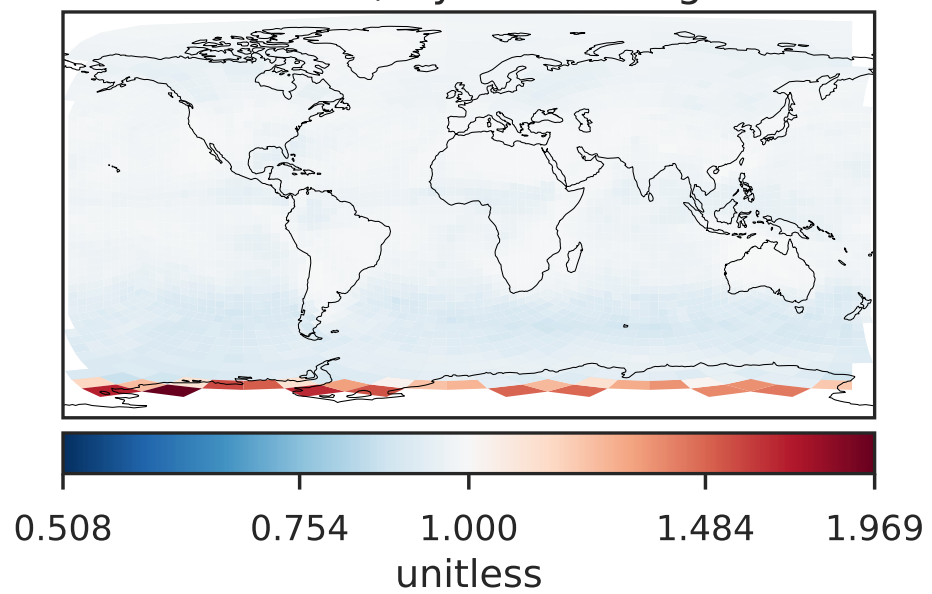
Difference  
Dev - Ref, Dynamic Range



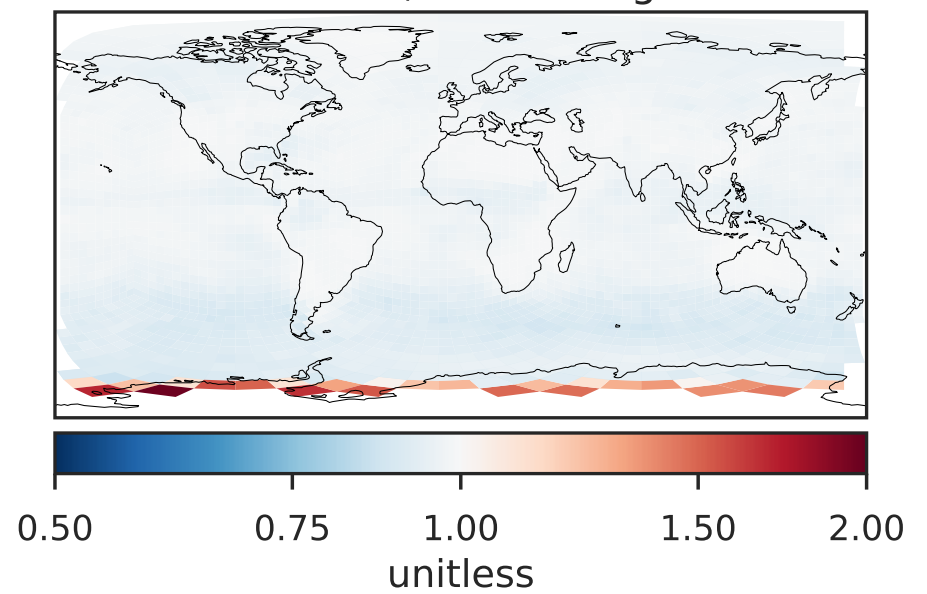
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



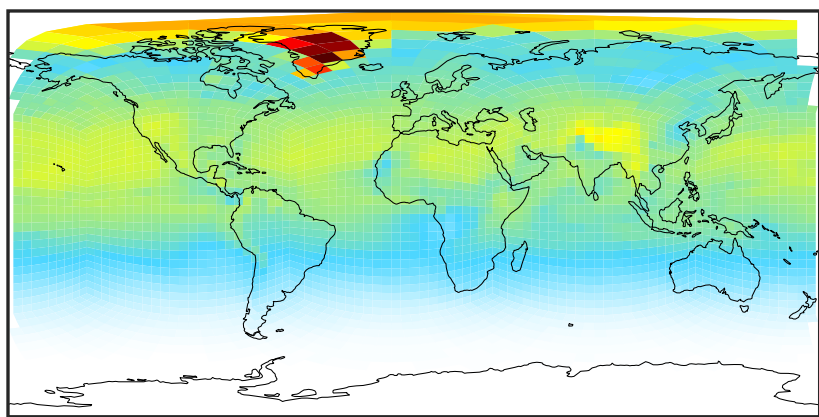
Ratio  
Dev/Ref, Fixed Range





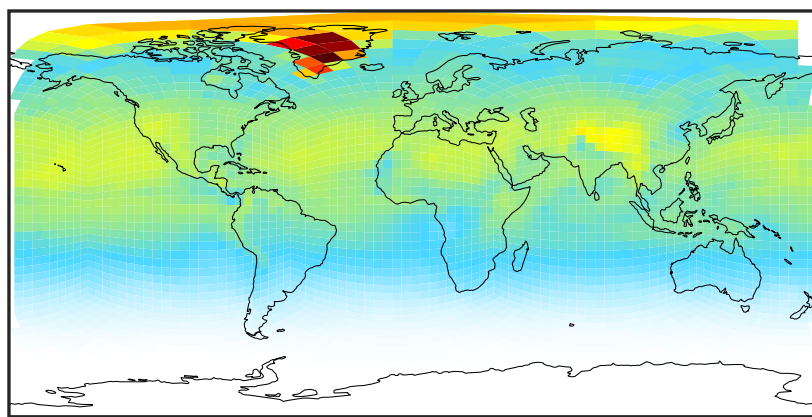
# Jval\_IDCHP (Jul2019)

14.2.0-rc.2 (Ref)  
c24



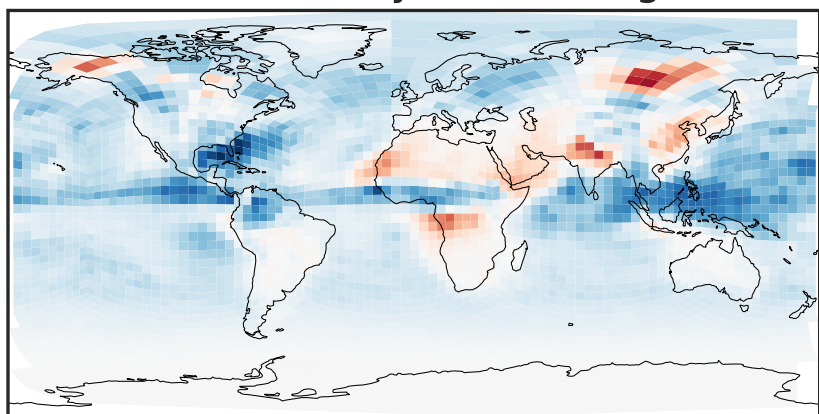
0.0 1.5 3.0  $1e-5$   
s-1

14.3.0-rc.0 (Dev)  
c24



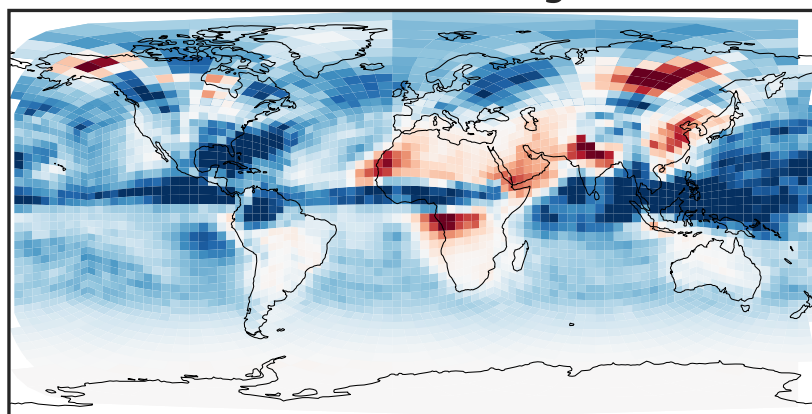
0.0 1.5 3.0  $1e-5$   
s-1

Difference  
Dev - Ref, Dynamic Range



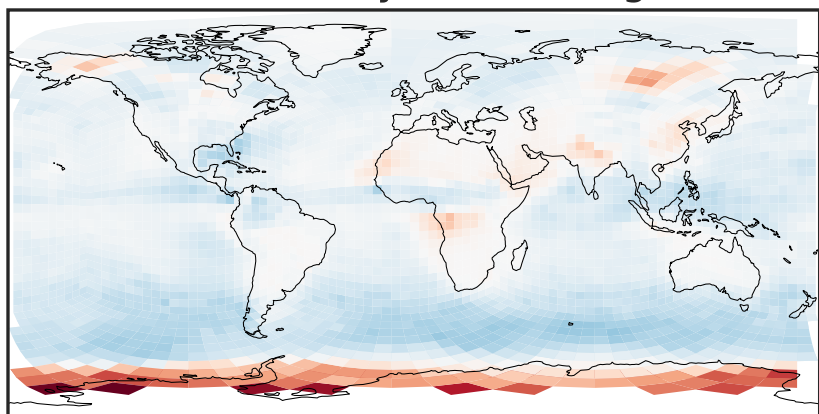
-5 0 5  $1e-7$   
s-1

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



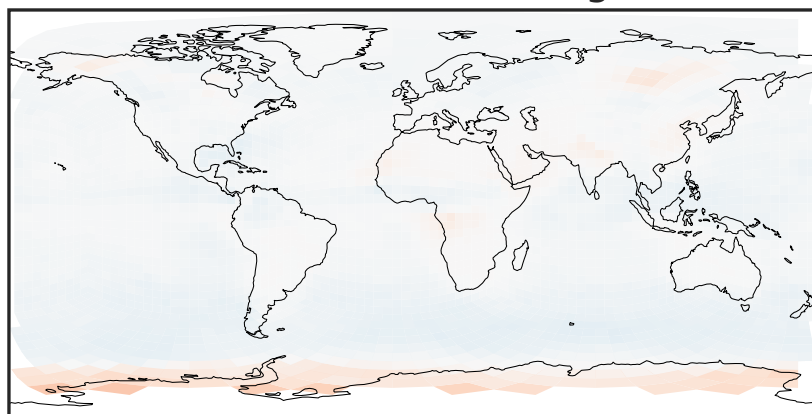
-2.5 0.0 2.5  $1e-7$   
s-1

Ratio  
Dev/Ref, Dynamic Range



0.8309 0.9155 1.0000 1.1018 1.2035  
unitless

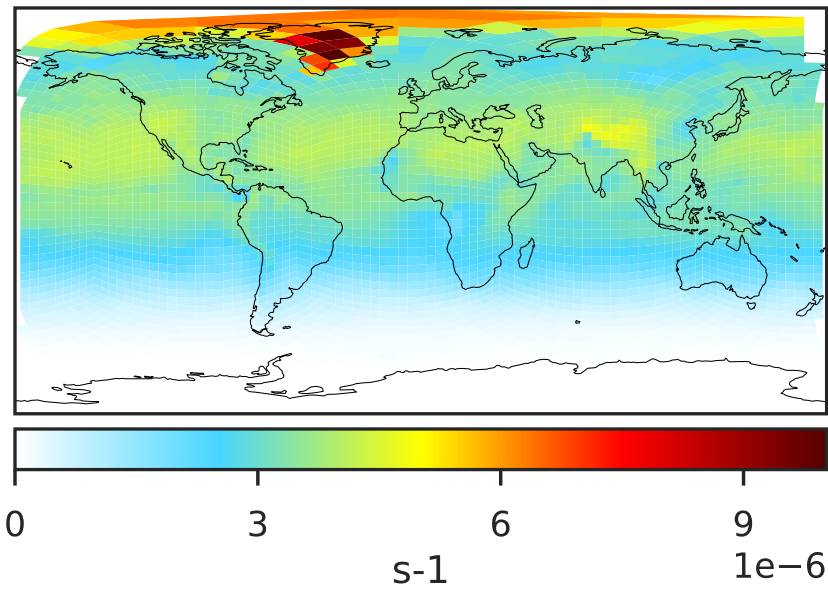
Ratio  
Dev/Ref, Fixed Range



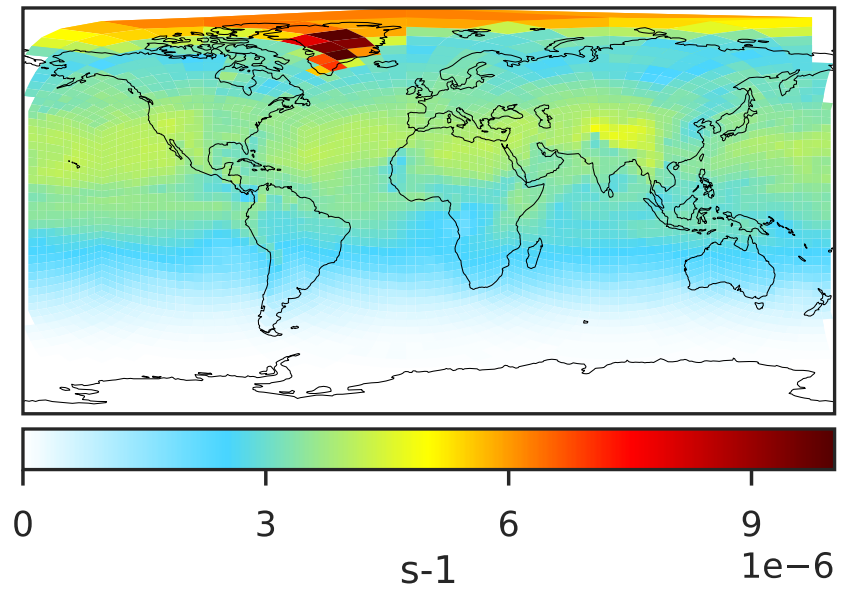
0.50 0.75 1.00 1.50 2.00  
unitless

# Jval\_IDHDP (Jul2019)

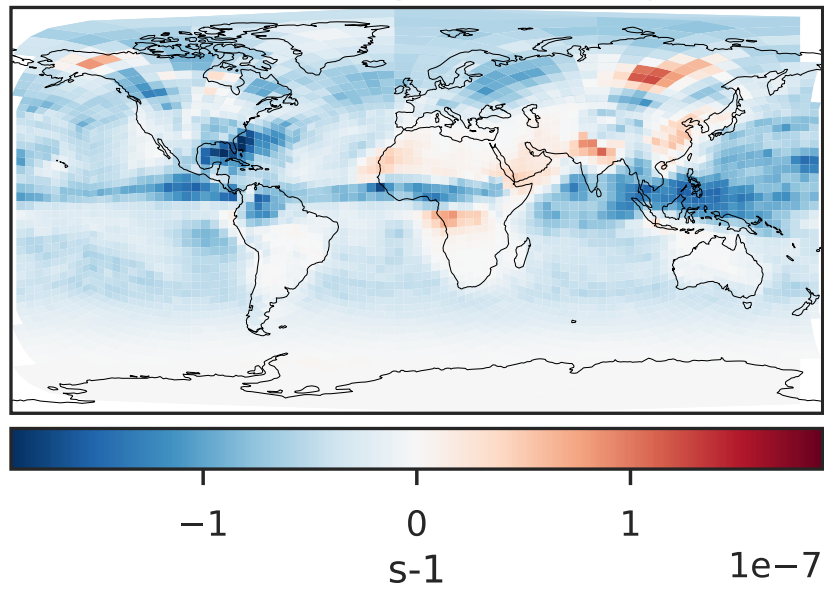
14.2.0-rc.2 (Ref)  
c24



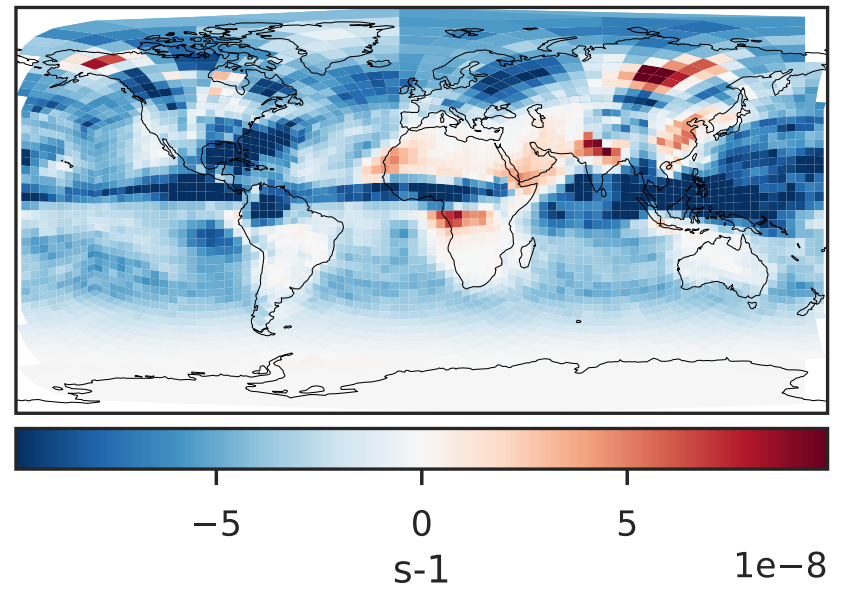
14.3.0-rc.0 (Dev)  
c24



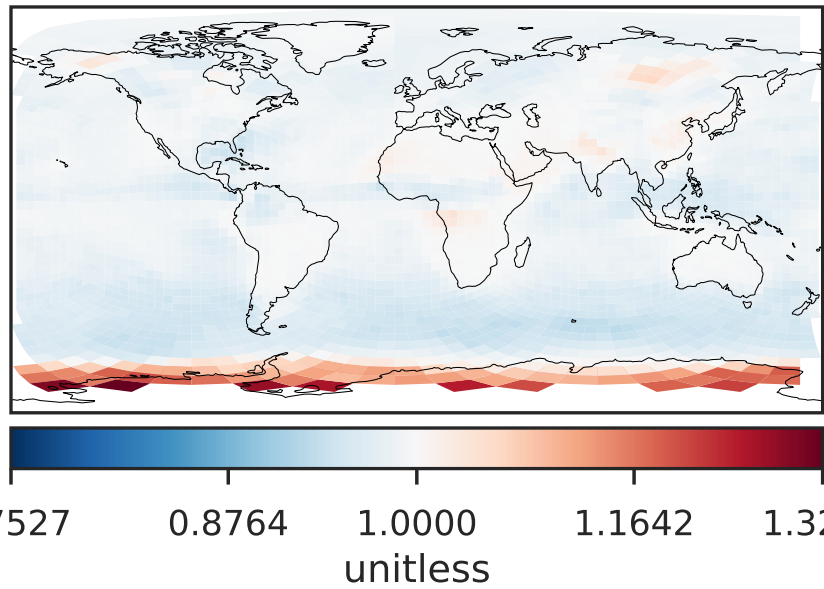
Difference  
Dev - Ref, Dynamic Range



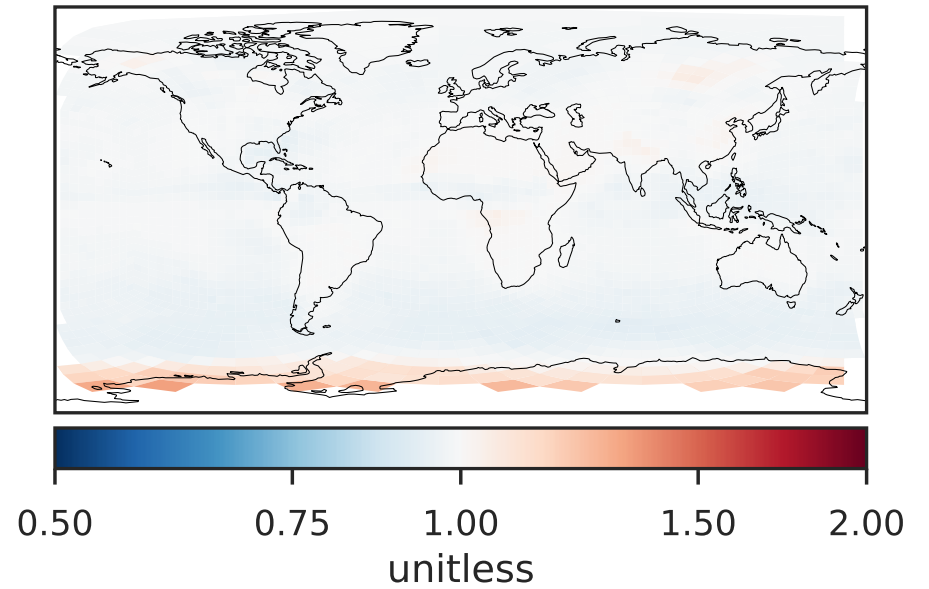
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



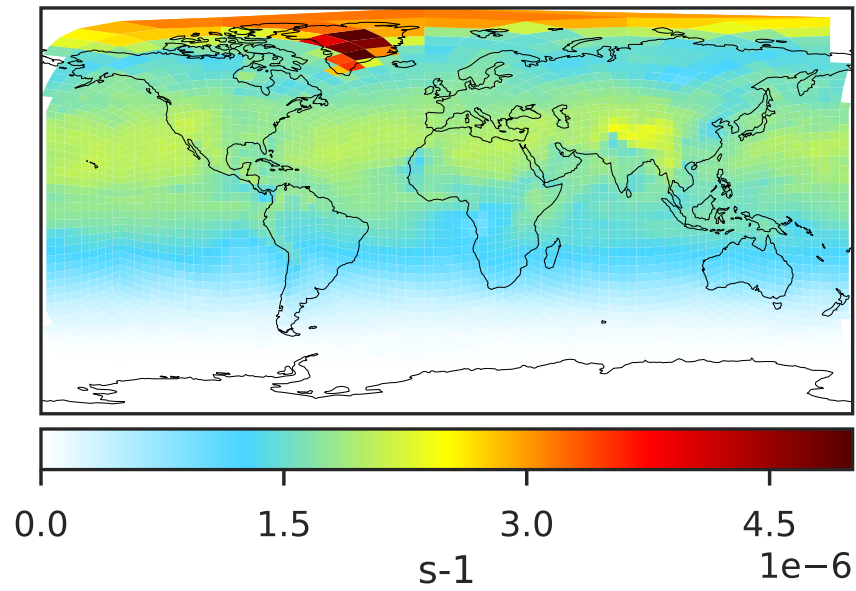
Ratio  
Dev/Ref, Fixed Range



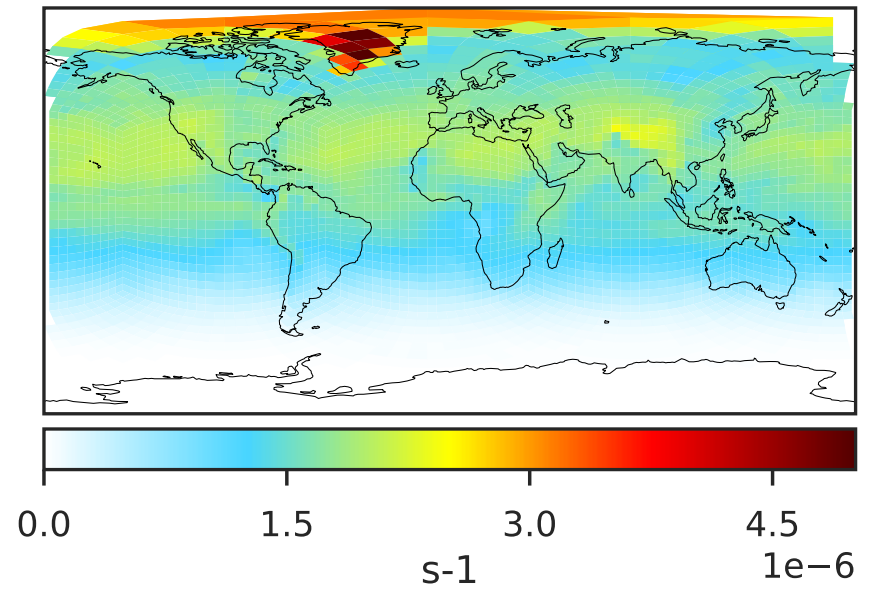


# Jval\_IDHPE (Jul2019)

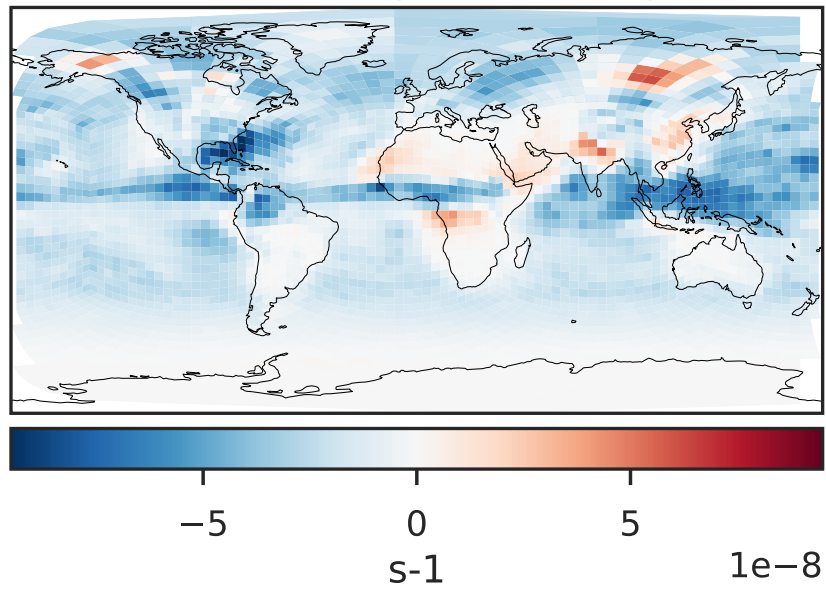
14.2.0-rc.2 (Ref)  
c24



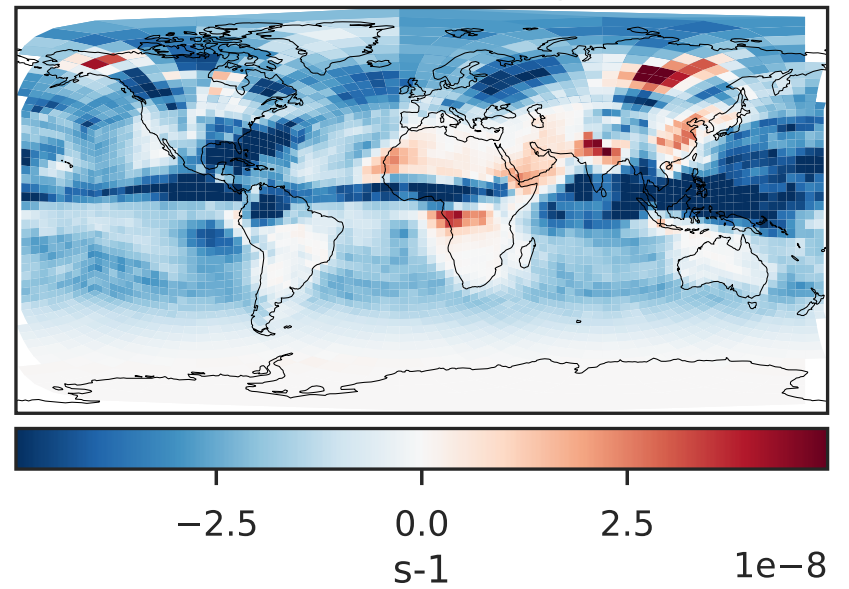
14.3.0-rc.0 (Dev)  
c24



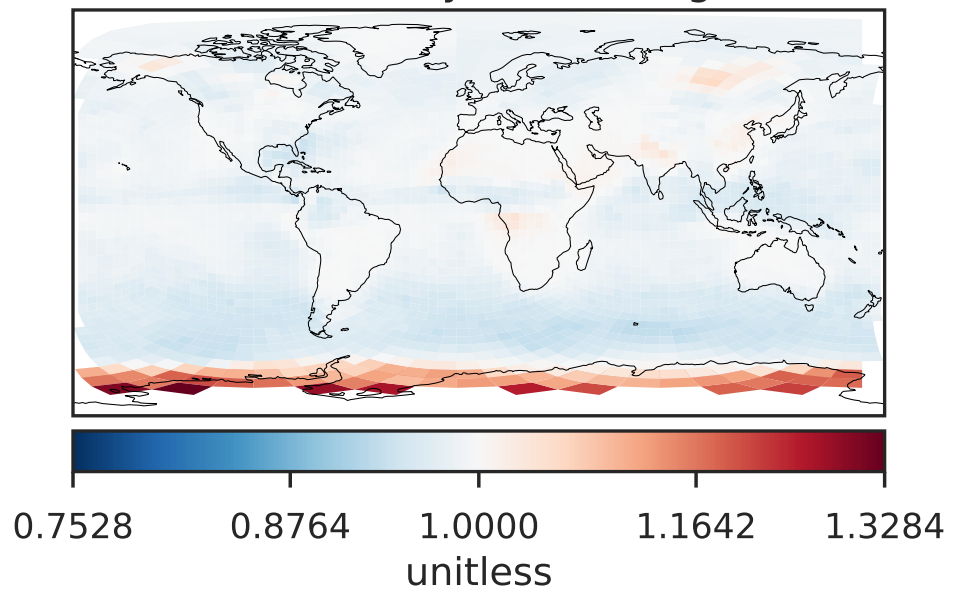
Difference  
Dev - Ref, Dynamic Range



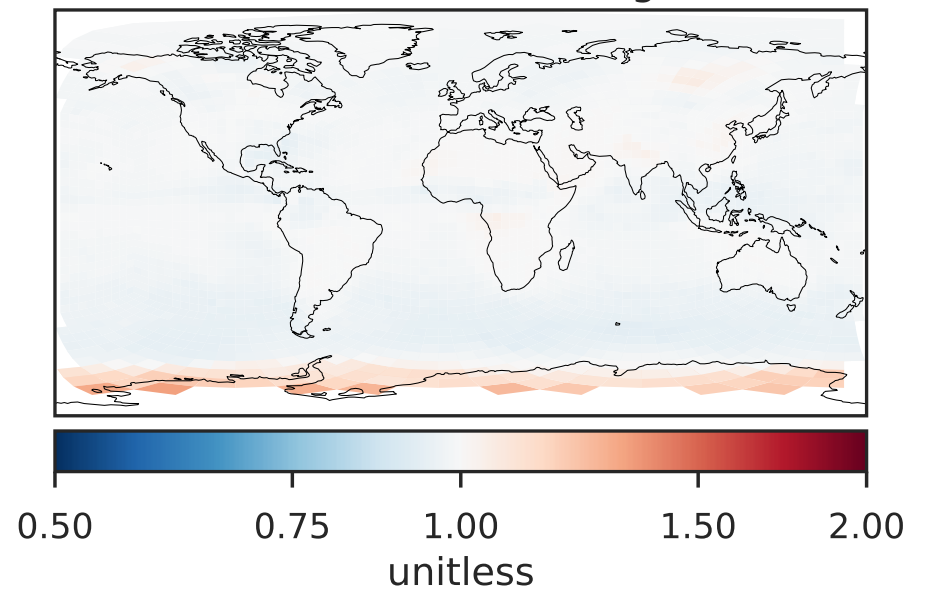
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



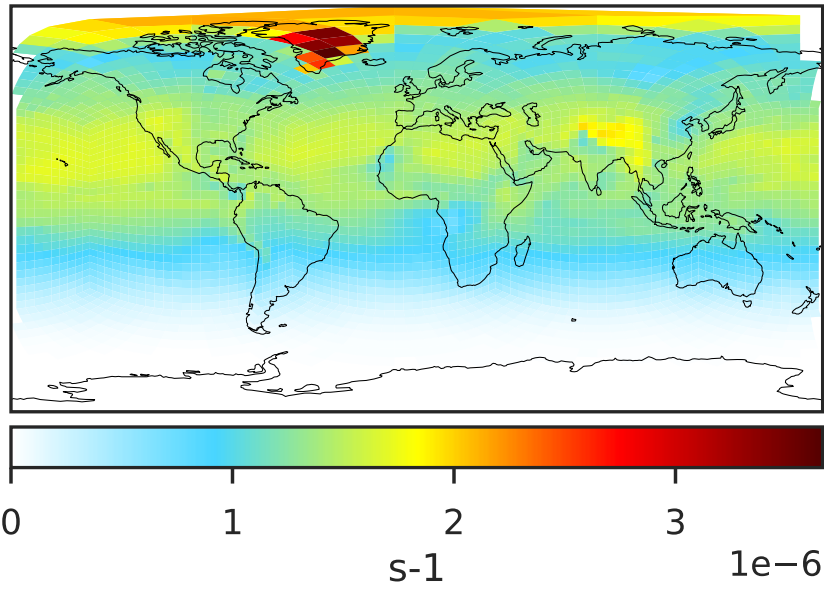
Ratio  
Dev/Ref, Fixed Range



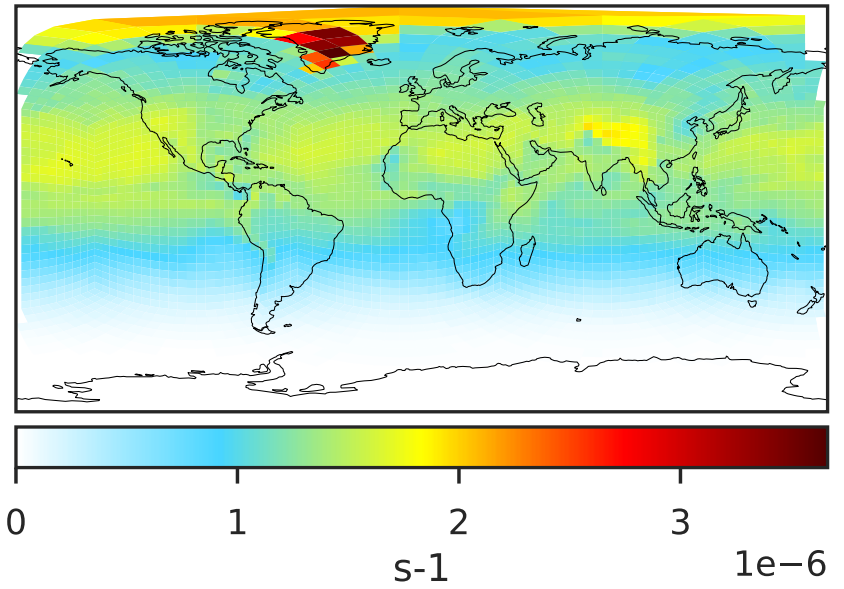


# Jval\_IDN (Jul2019)

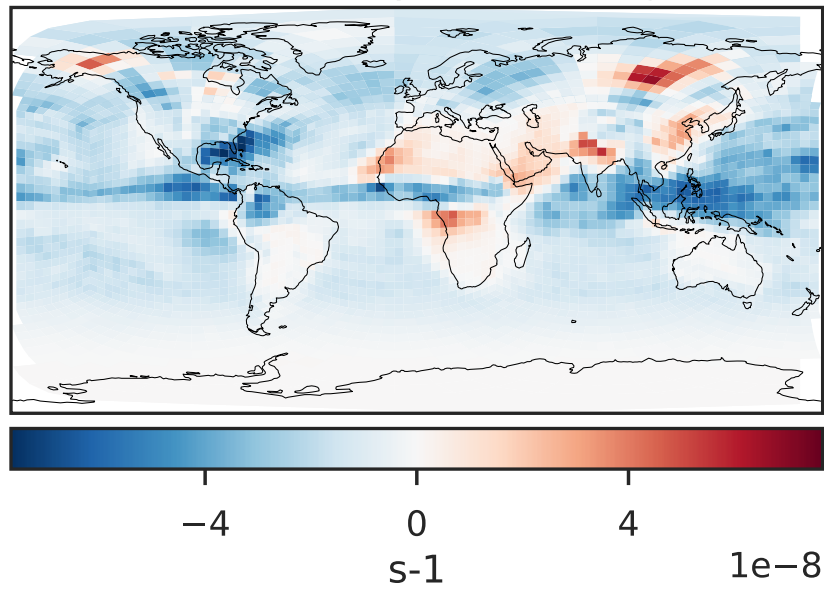
14.2.0-rc.2 (Ref)  
c24



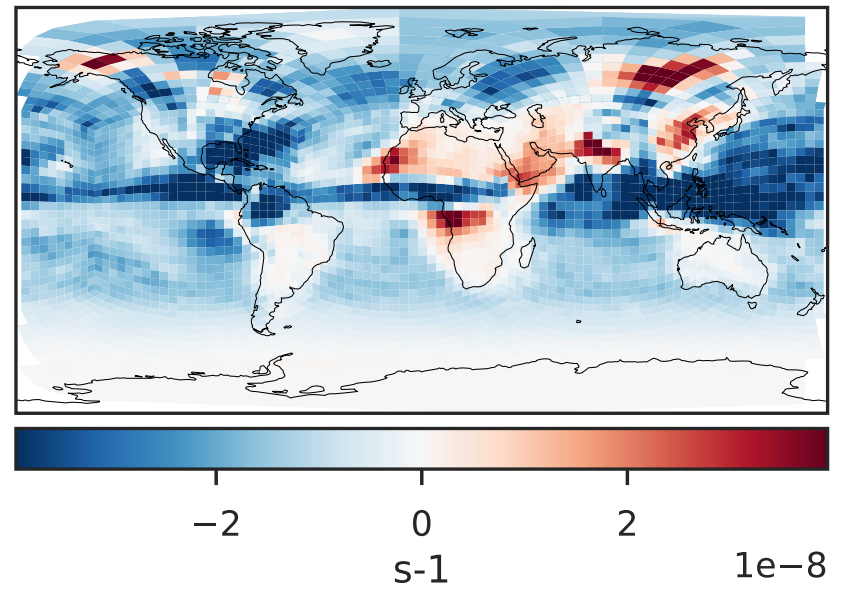
14.3.0-rc.0 (Dev)  
c24



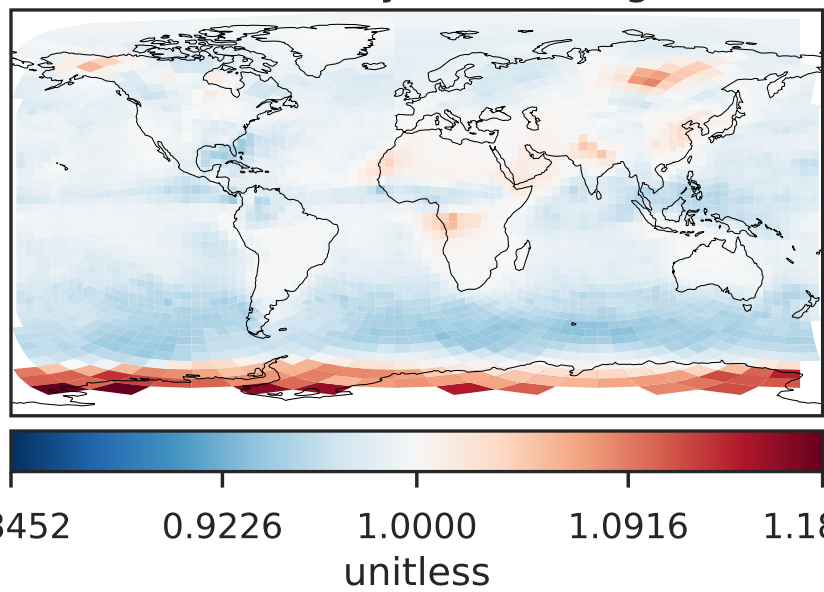
Difference  
Dev - Ref, Dynamic Range



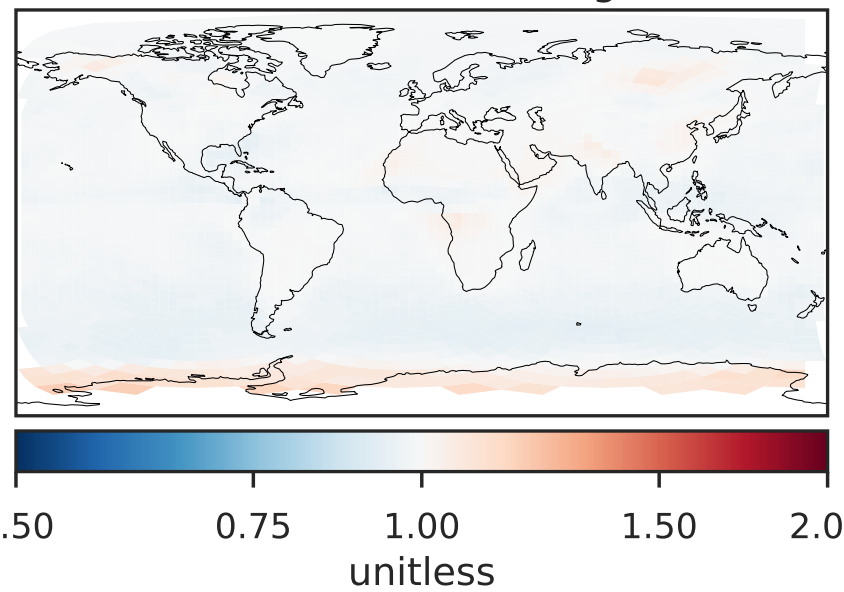
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



Ratio  
Dev/Ref, Fixed Range

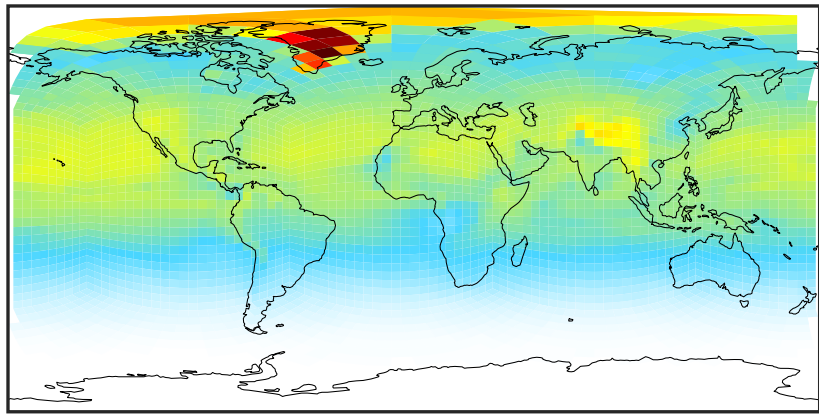


0.8452 0.9226 1.0000 1.0916 1.1832  
unitless

0.50 0.75 1.00 1.50 2.00  
unitless

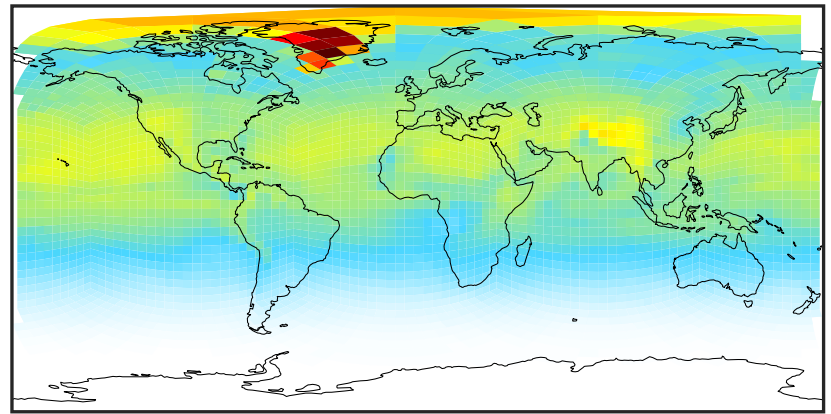
# Jval\_IHN1 (Jul2019)

14.2.0-rc.2 (Ref)  
c24



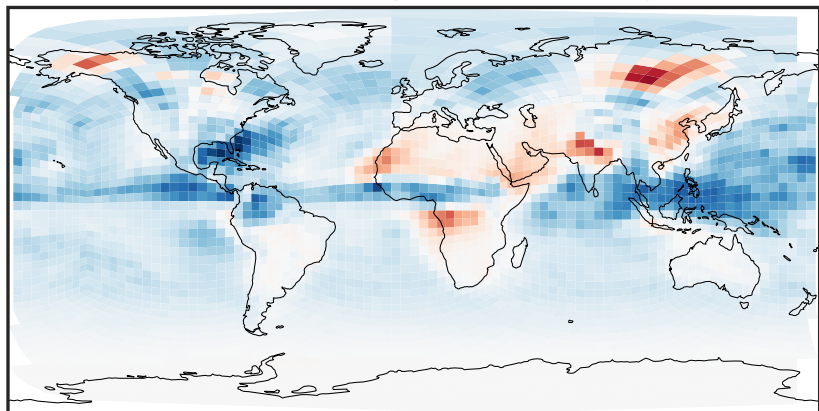
0.0 0.5 1.0 1.5  
s-1  $1e-6$

14.3.0-rc.0 (Dev)  
c24



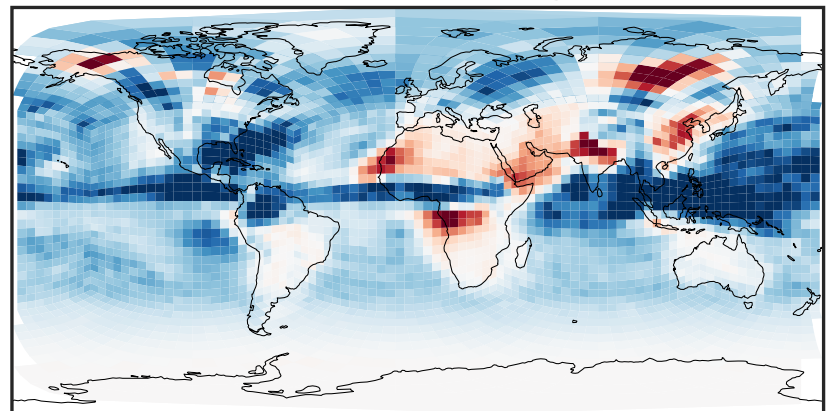
0.0 0.5 1.0 1.5  
s-1  $1e-6$

Difference  
Dev - Ref, Dynamic Range



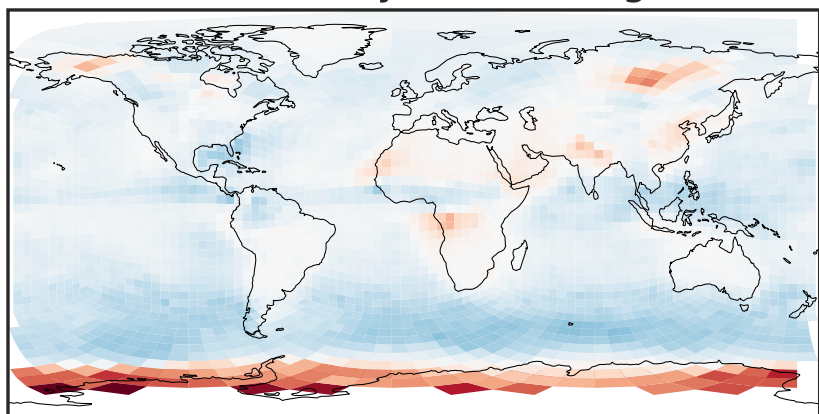
-2 0 2  
s-1  $1e-8$

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



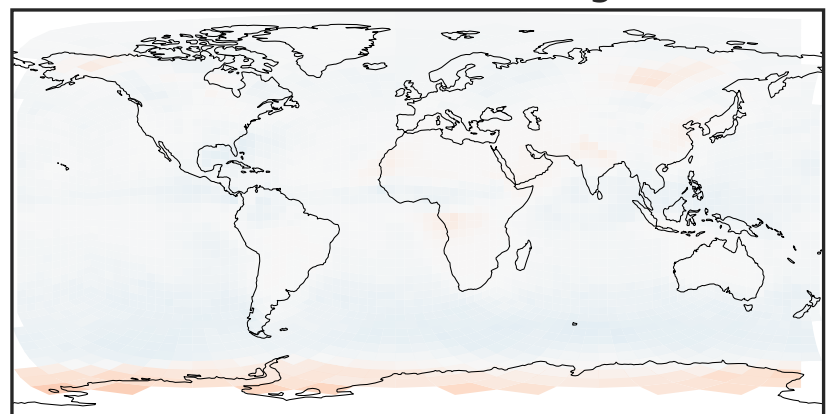
-1 0 1  
s-1  $1e-8$

Ratio  
Dev/Ref, Dynamic Range



0.8452 0.9226 1.0000 1.0916 1.1832  
unitless

Ratio  
Dev/Ref, Fixed Range

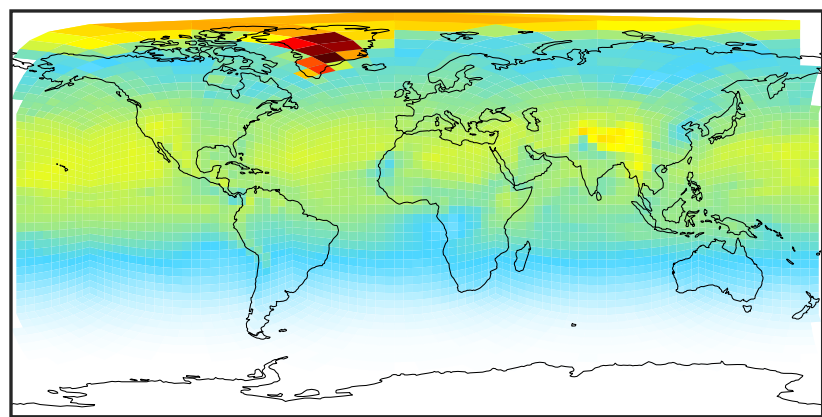


0.50 0.75 1.00 1.50 2.00  
unitless



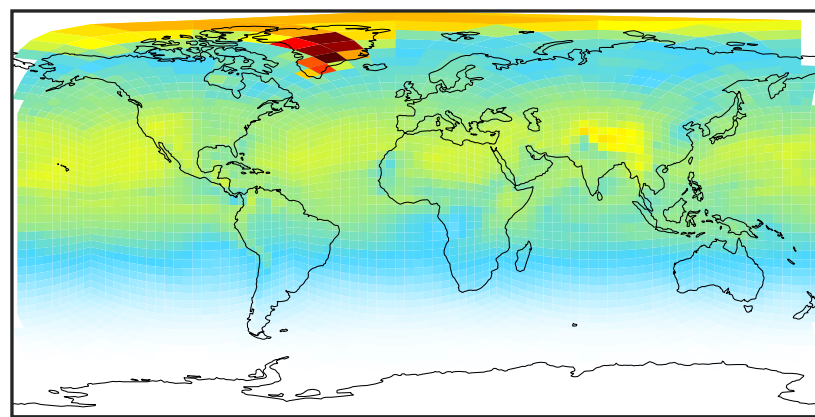
# Jval\_IHN2 (Jul2019)

14.2.0-rc.2 (Ref)  
c24



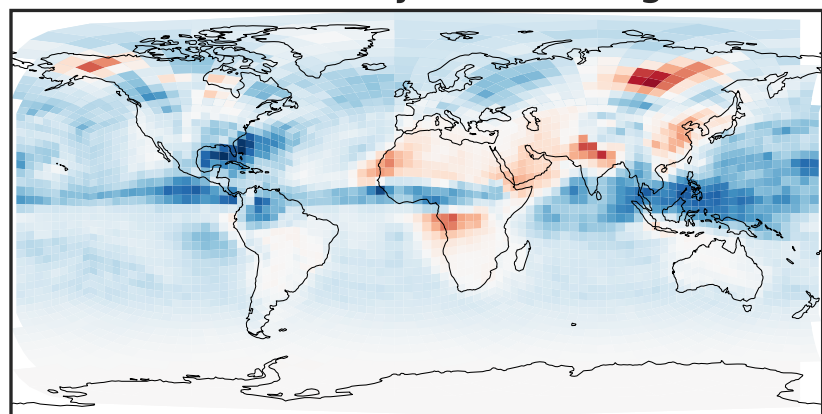
0.0 0.5 1.0 1.5  
s-1  $1e-6$

14.3.0-rc.0 (Dev)  
c24



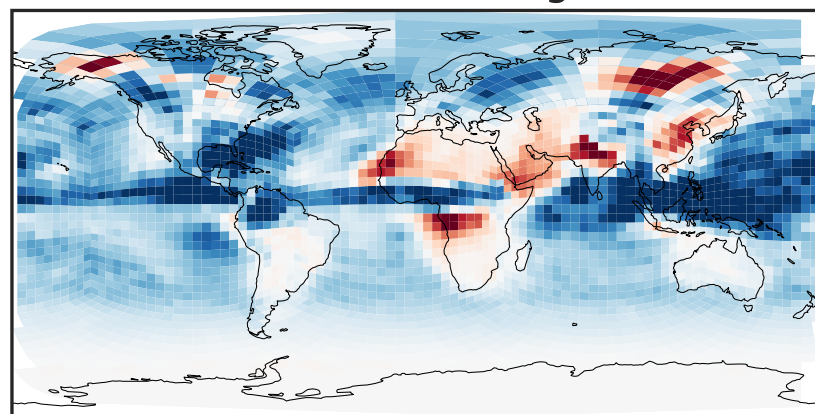
0.0 0.5 1.0 1.5  
s-1  $1e-6$

Difference  
Dev - Ref, Dynamic Range



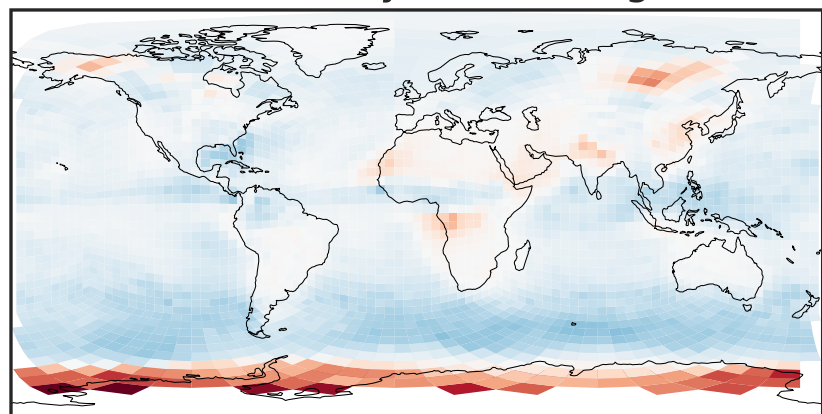
-2 0 2  
s-1  $1e-8$

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



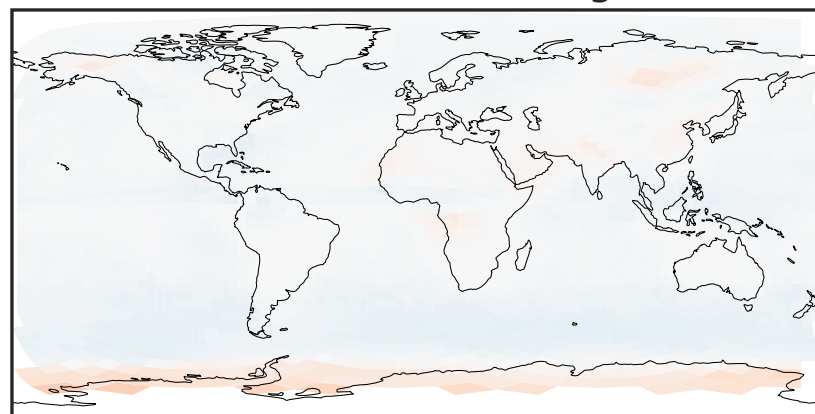
-1 0 1  
s-1  $1e-8$

Ratio  
Dev/Ref, Dynamic Range



0.8452 0.9226 1.0000 1.0916 1.1832  
unitless

Ratio  
Dev/Ref, Fixed Range

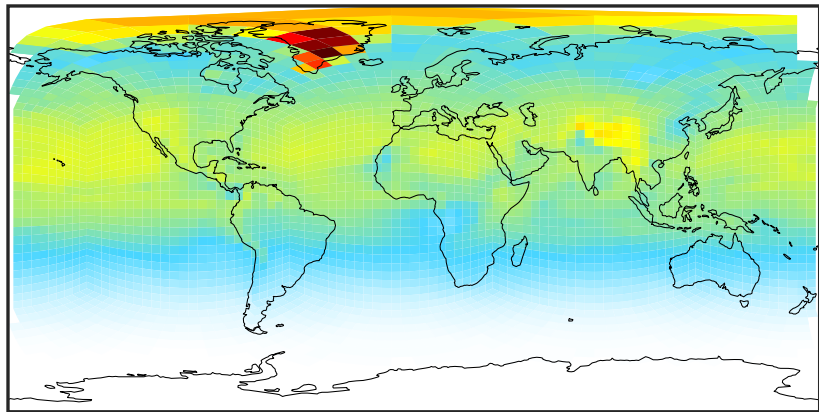


0.50 0.75 1.00 1.50 2.00  
unitless



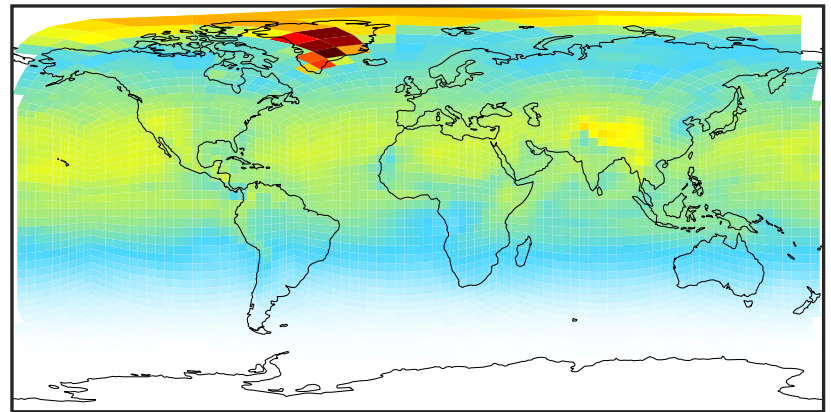
# Jval\_IHN3 (Jul2019)

14.2.0-rc.2 (Ref)  
c24



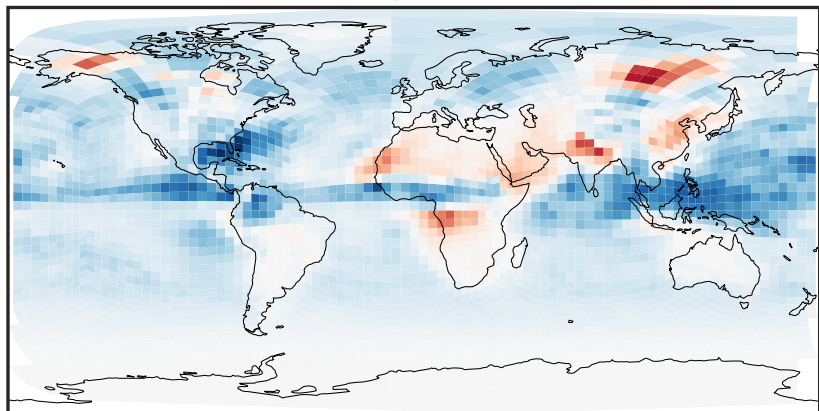
0.0 0.5 1.0 1.5  
s-1  $1e-6$

14.3.0-rc.0 (Dev)  
c24



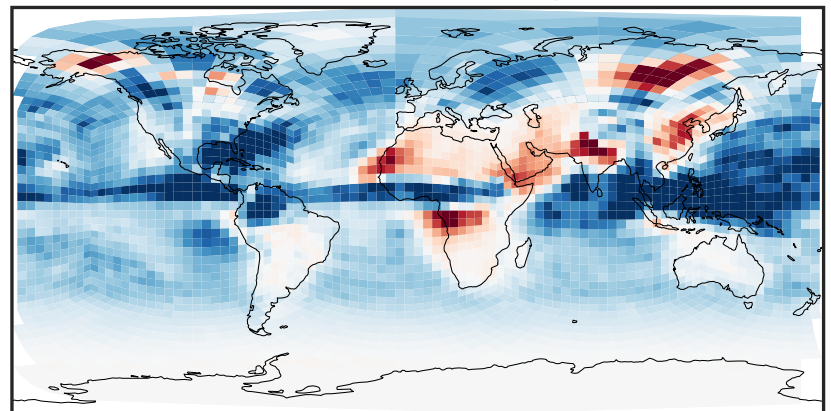
0.0 0.5 1.0 1.5  
s-1  $1e-6$

Difference  
Dev - Ref, Dynamic Range



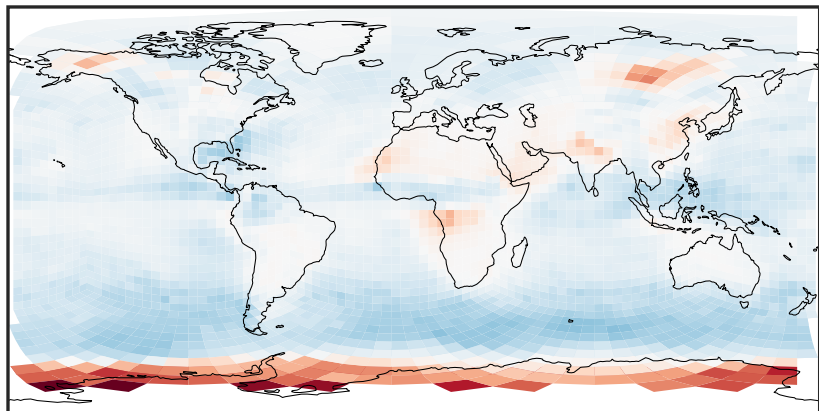
-2 0 2  
s-1  $1e-8$

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



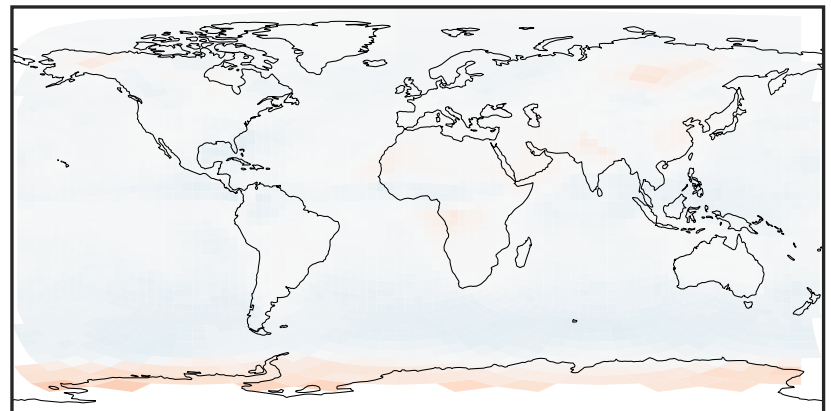
-1 0 1  
s-1  $1e-8$

Ratio  
Dev/Ref, Dynamic Range



0.8452 0.9226 1.0000 1.0916 1.1832  
unitless

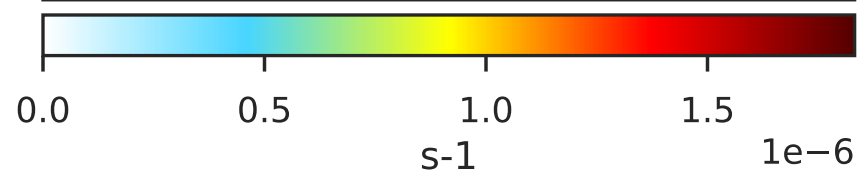
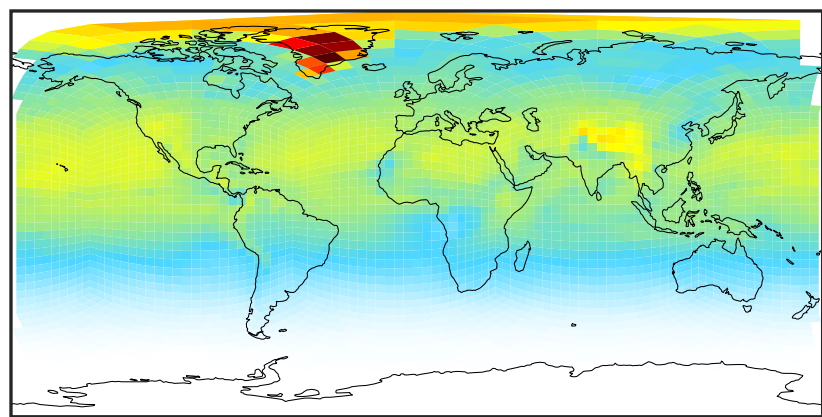
Ratio  
Dev/Ref, Fixed Range



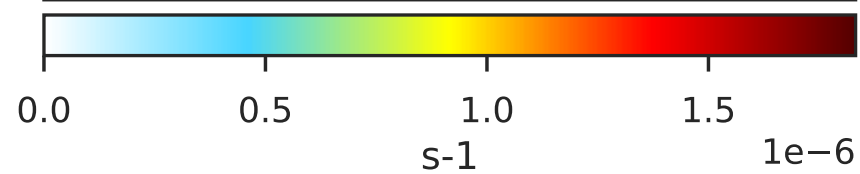
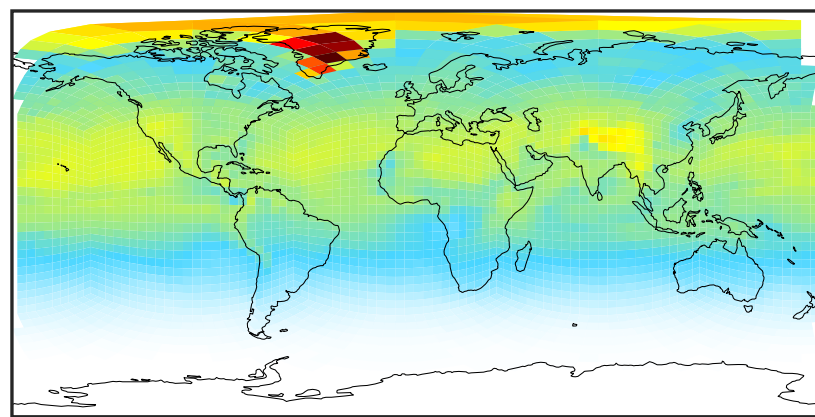
0.50 0.75 1.00 1.50 2.00  
unitless

# Jval\_IHN4 (Jul2019)

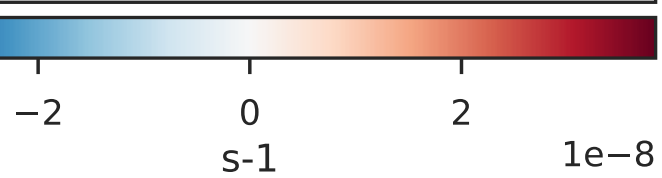
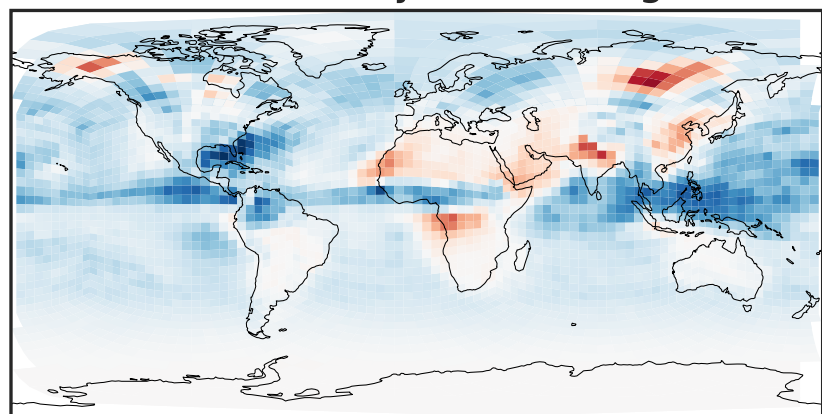
14.2.0-rc.2 (Ref)  
c24



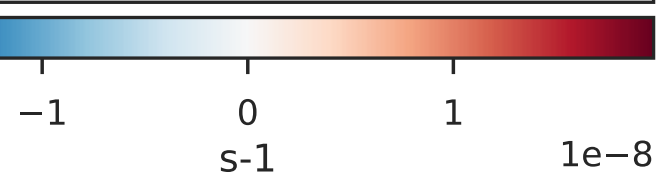
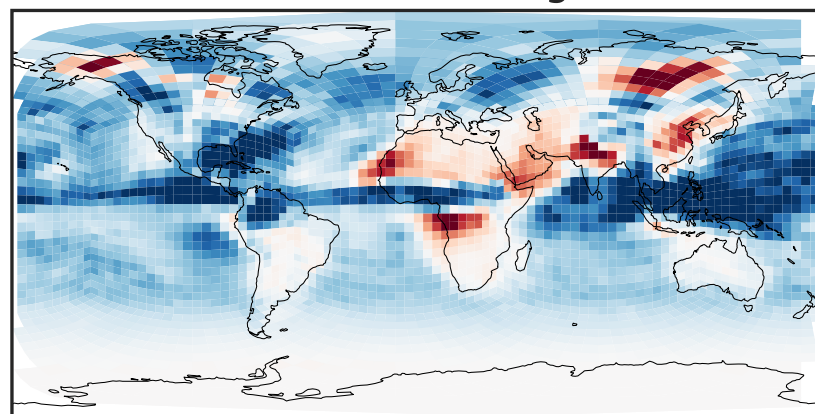
14.3.0-rc.0 (Dev)  
c24



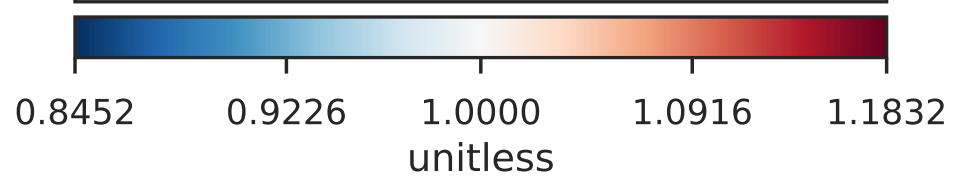
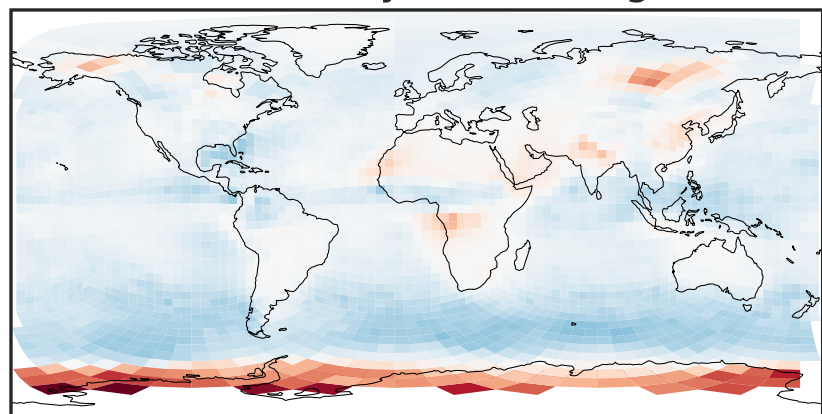
Difference  
Dev - Ref, Dynamic Range



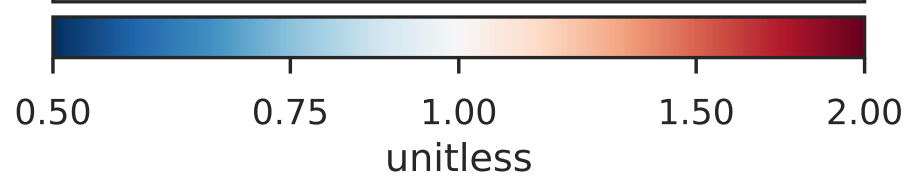
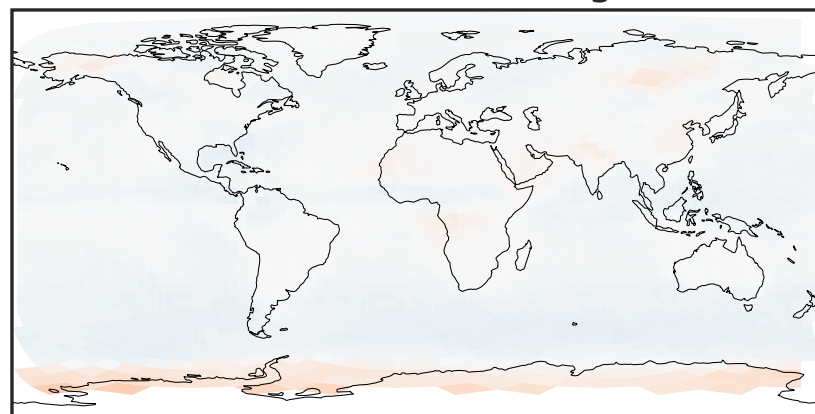
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



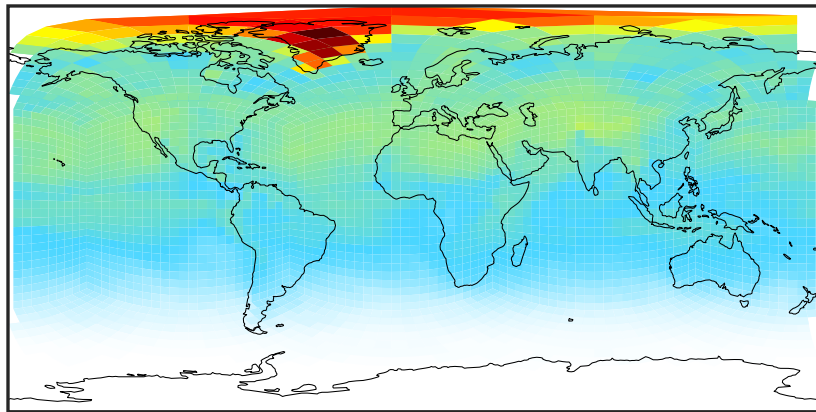
Ratio  
Dev/Ref, Fixed Range





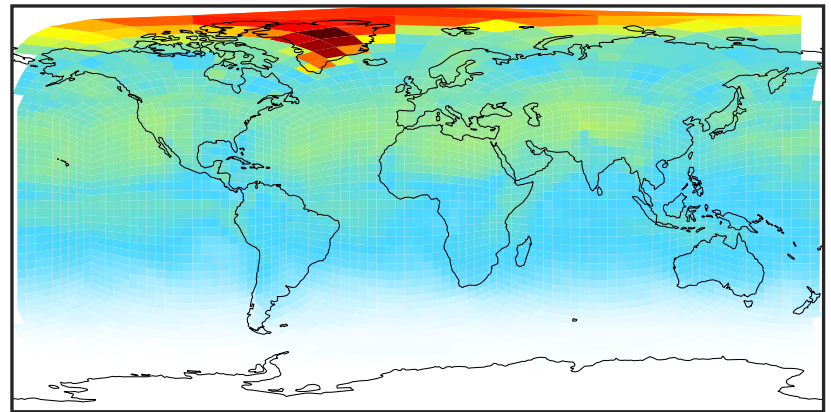
# Jval\_INO (Jul2019)

14.2.0-rc.2 (Ref)  
c24



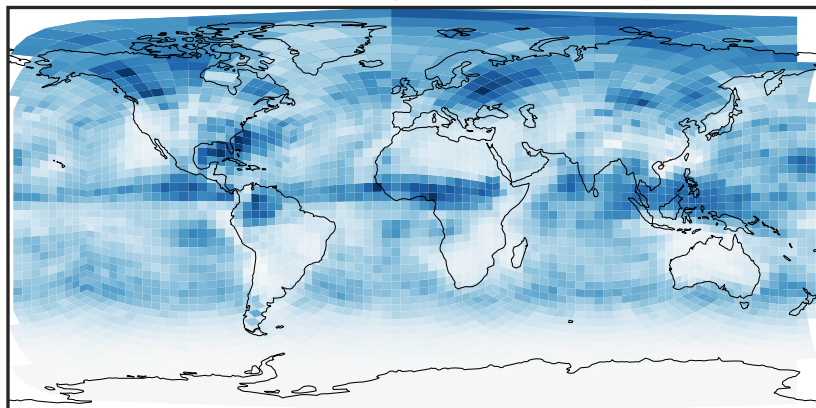
0.000 0.015 0.030  
s-1

14.3.0-rc.0 (Dev)  
c24



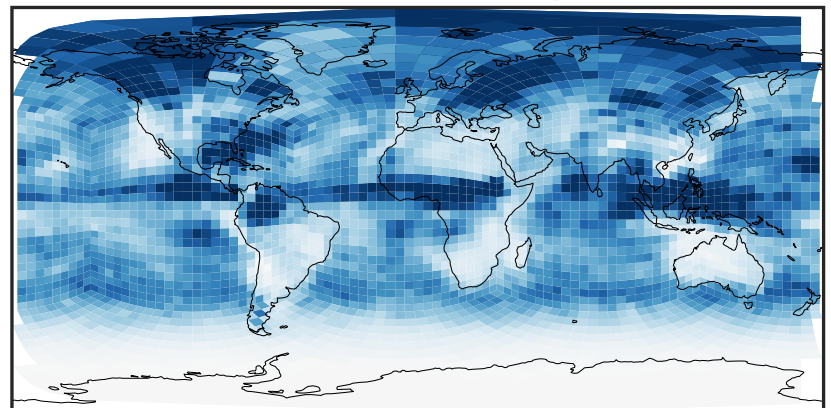
0.000 0.015 0.030  
s-1

Difference  
Dev - Ref, Dynamic Range



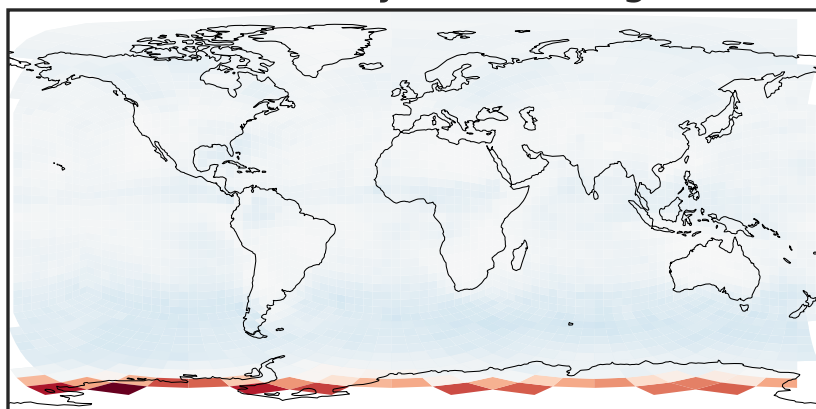
-0.0004 0.0000 0.0004  
s-1

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



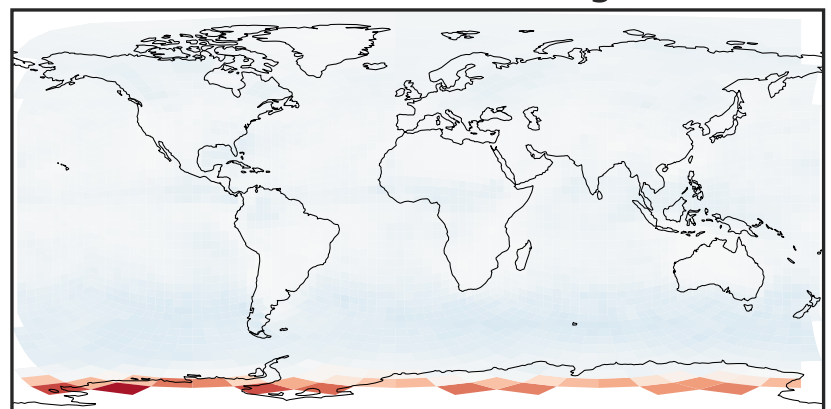
-0.00025 0.00000 0.00025  
s-1

Ratio  
Dev/Ref, Dynamic Range



0.566 0.783 1.000 1.384 1.767  
unitless

Ratio  
Dev/Ref, Fixed Range

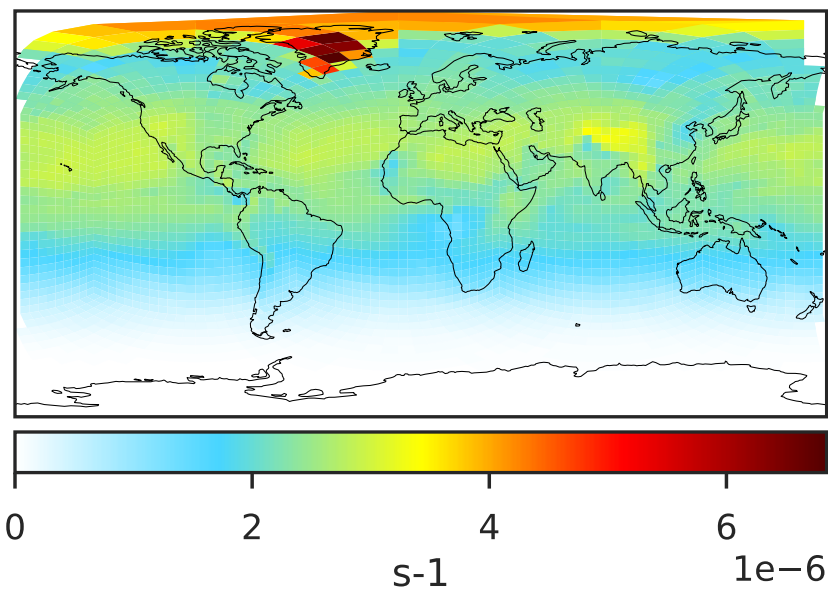


0.50 0.75 1.00 1.50 2.00  
unitless

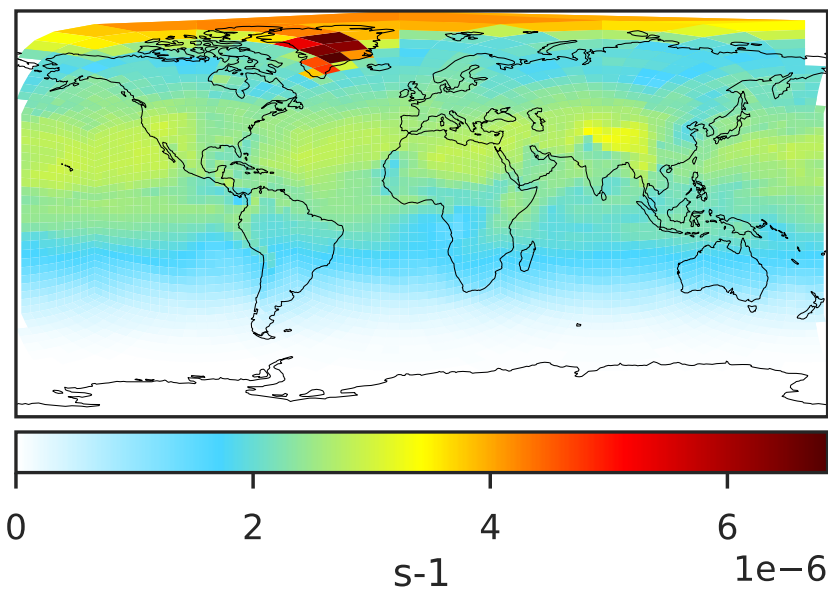


# Jval\_INPB (Jul2019)

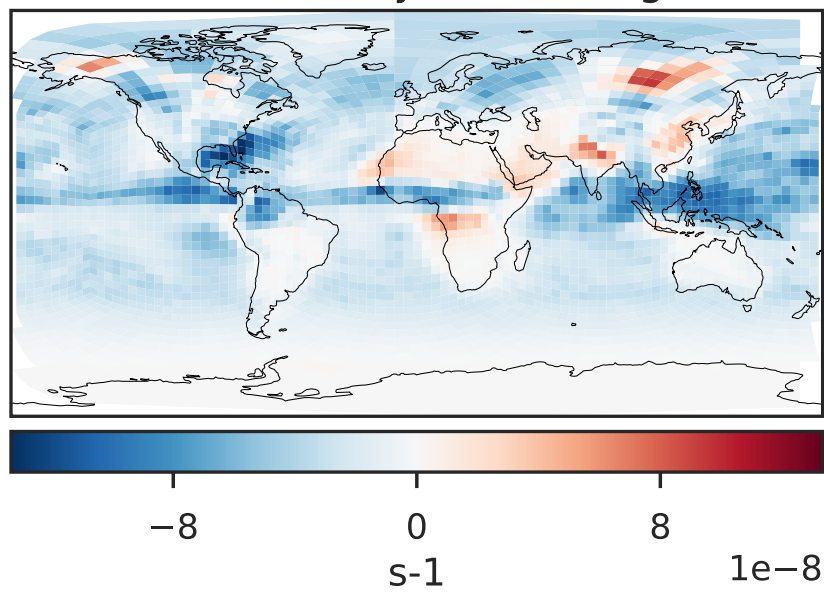
14.2.0-rc.2 (Ref)  
c24



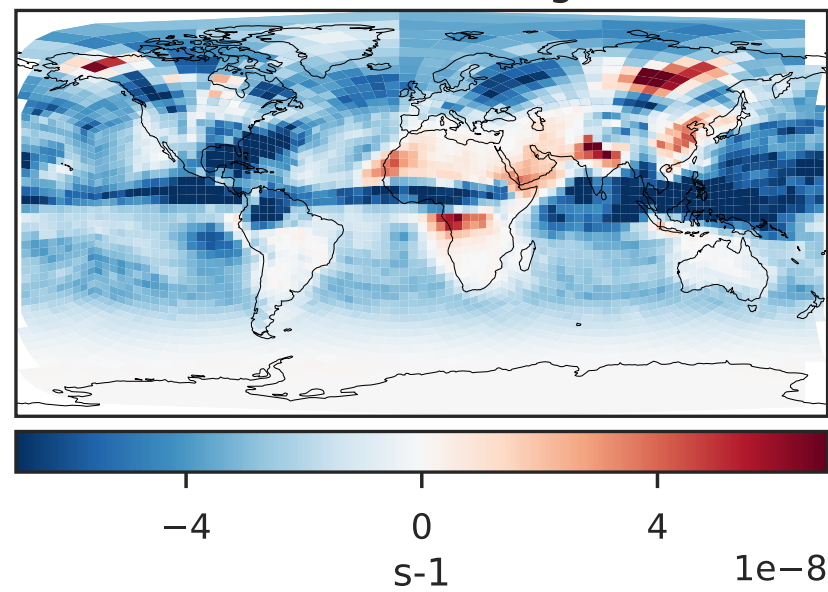
14.3.0-rc.0 (Dev)  
c24



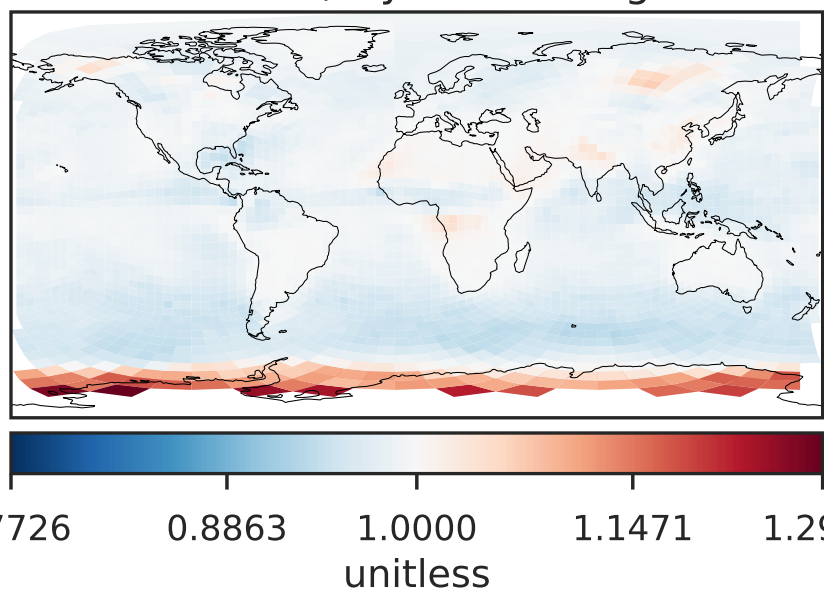
Difference  
Dev - Ref, Dynamic Range



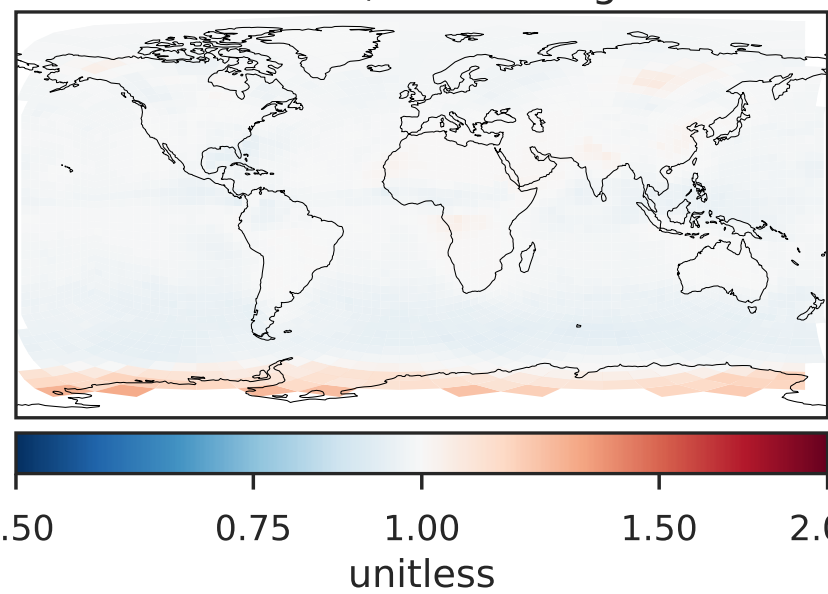
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

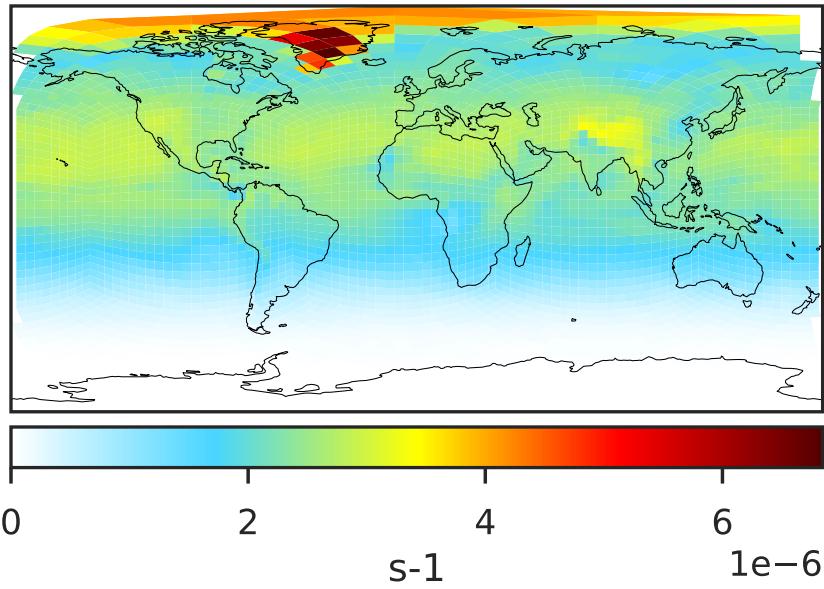


Ratio  
Dev/Ref, Fixed Range

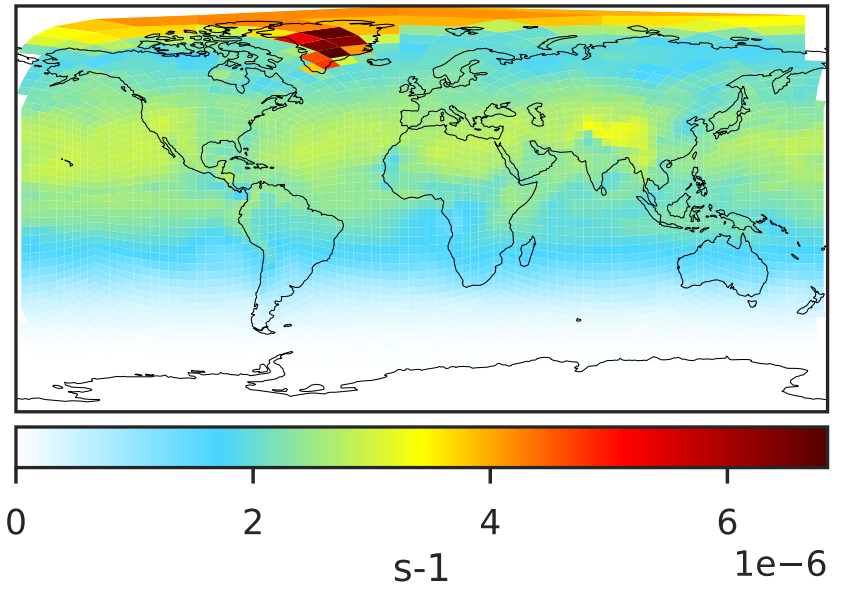


# Jval\_INPD (Jul2019)

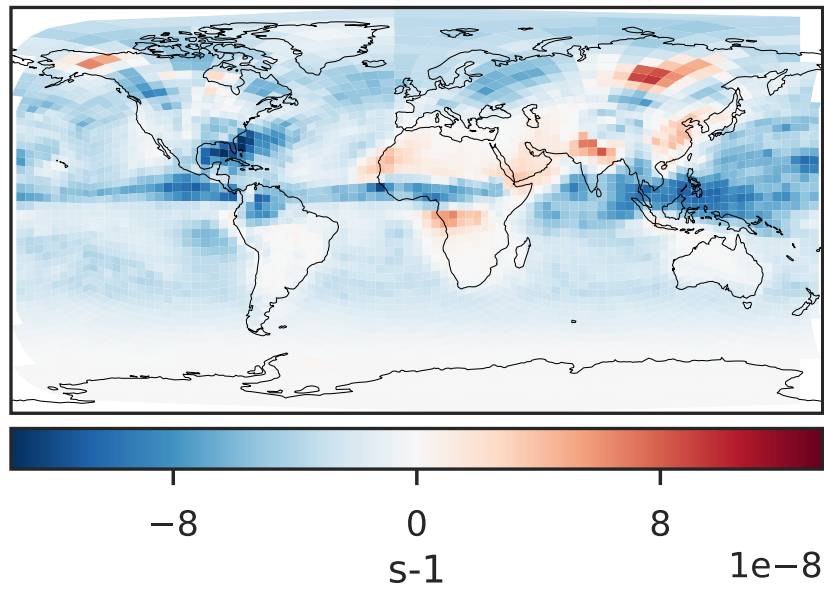
14.2.0-rc.2 (Ref)  
c24



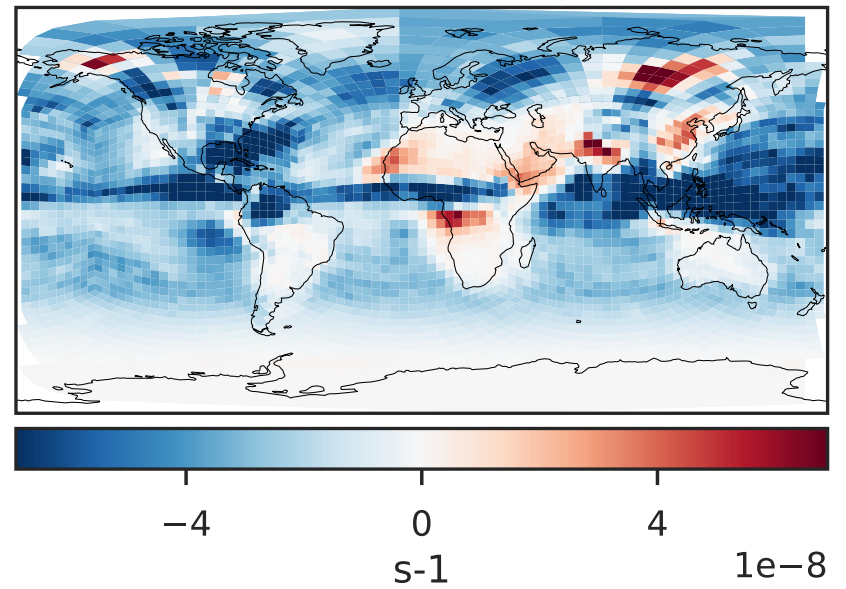
14.3.0-rc.0 (Dev)  
c24



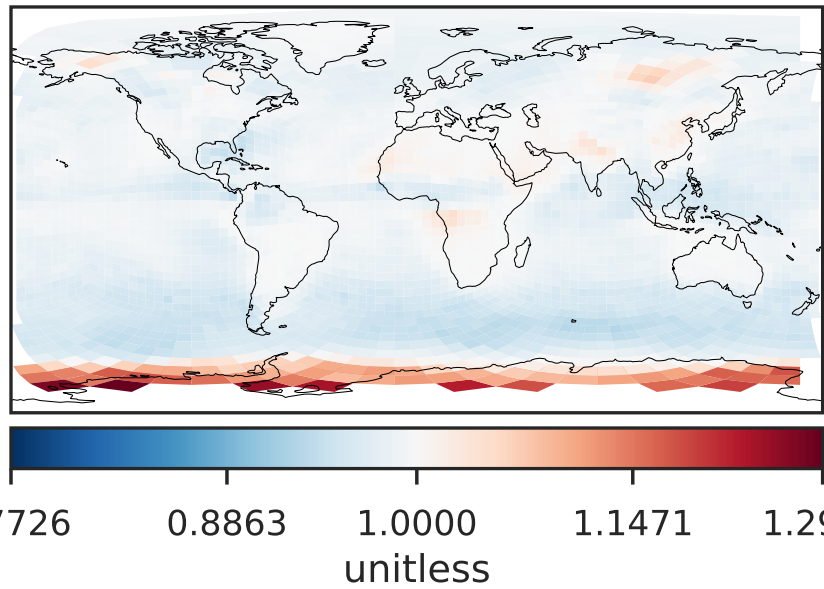
Difference  
Dev - Ref, Dynamic Range



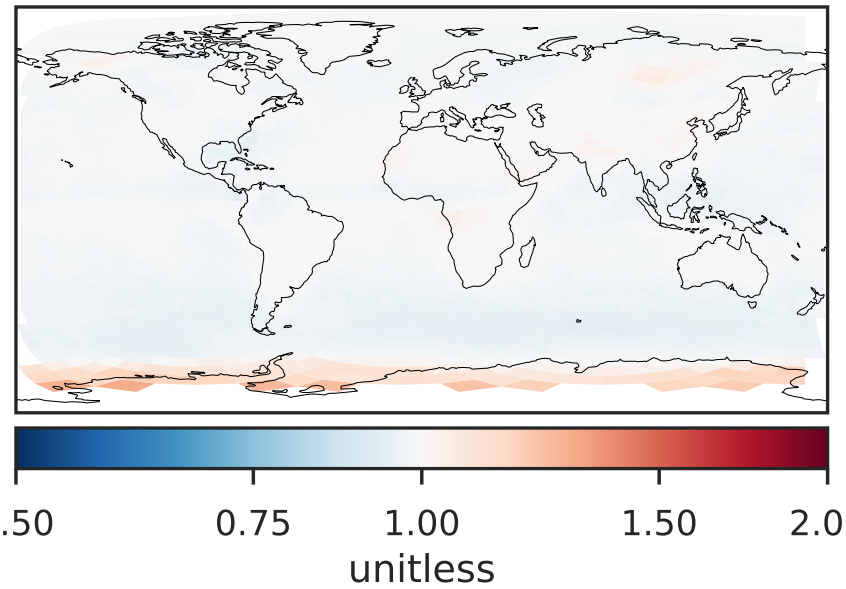
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



Ratio  
Dev/Ref, Fixed Range



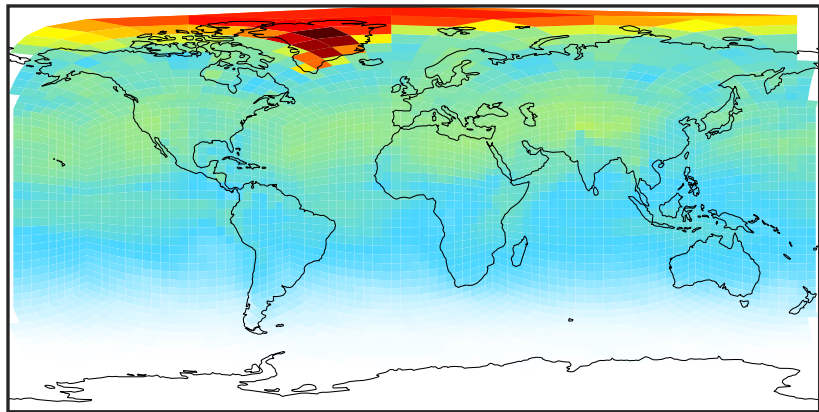
0.7726 0.8863 1.0000 1.1471 1.2943  
unitless

0.50 0.75 1.00 1.50 2.00  
unitless



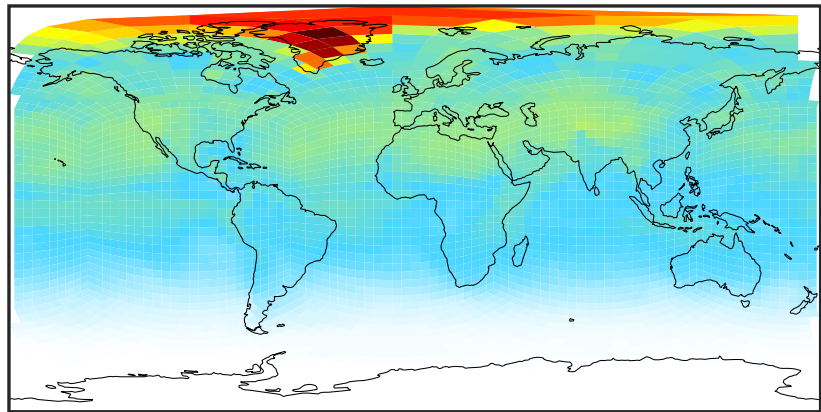
# Jval\_IO (Jul2019)

14.2.0-rc.2 (Ref)  
c24



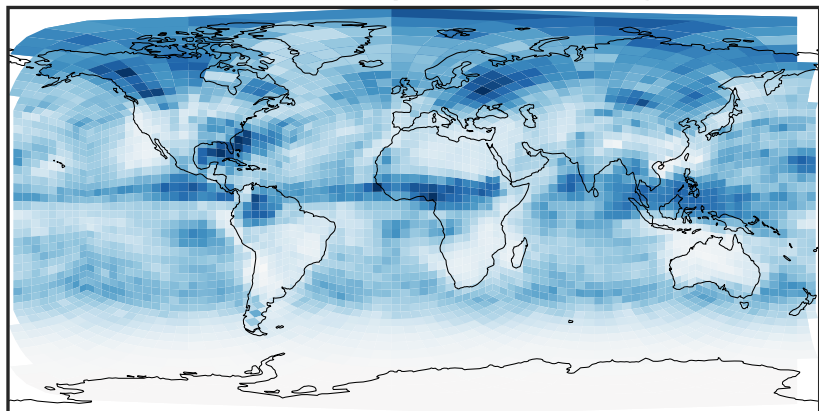
0.0000 0.0647 0.1294 0.1941 0.2588  
s-1

14.3.0-rc.0 (Dev)  
c24



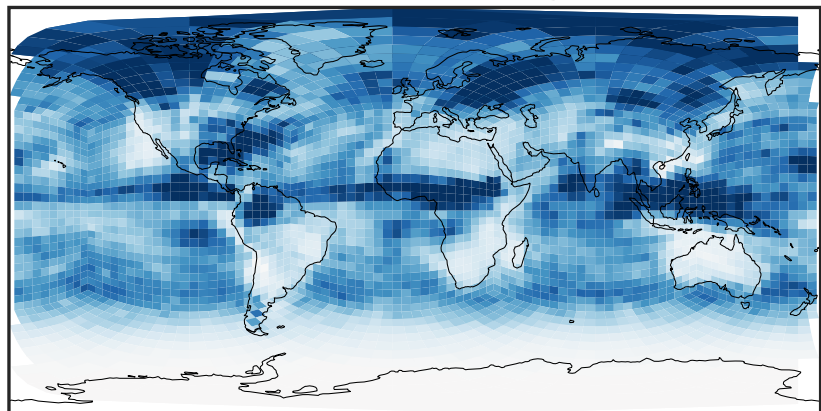
0.0000 0.0647 0.1294 0.1941 0.2588  
s-1

Difference  
Dev - Ref, Dynamic Range



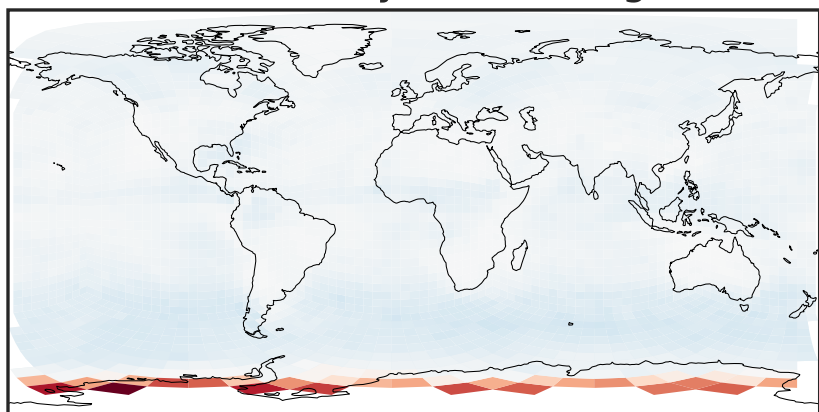
-0.0025 0.0000 0.0025  
s-1

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



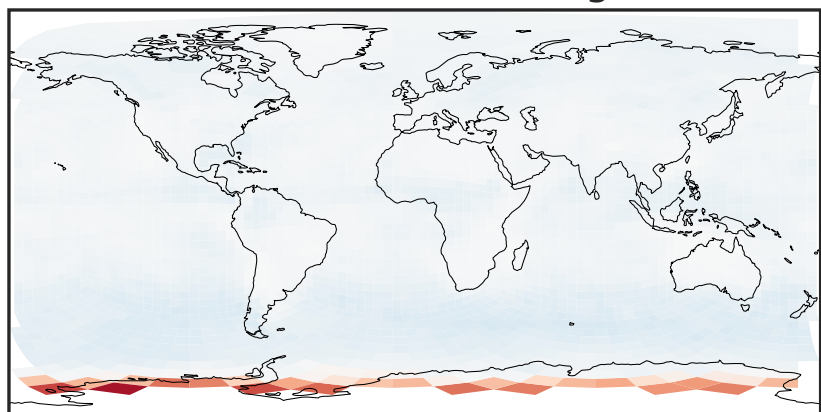
-0.002 0.000 0.002  
s-1

Ratio  
Dev/Ref, Dynamic Range



0.561 0.780 1.000 1.392 1.784  
unitless

Ratio  
Dev/Ref, Fixed Range

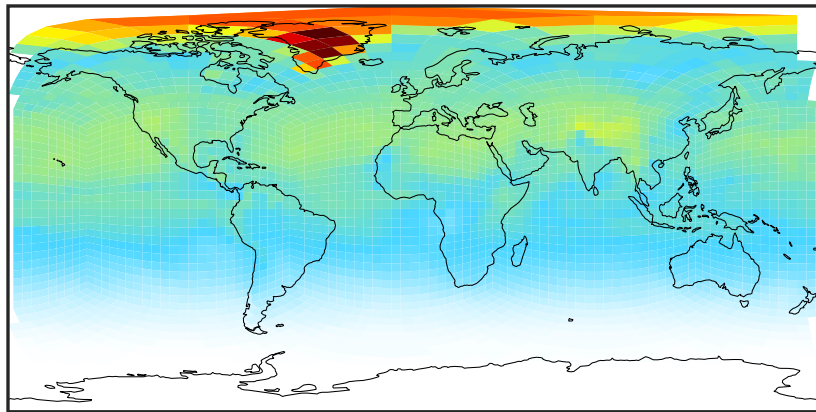


0.50 0.75 1.00 1.50 2.00  
unitless



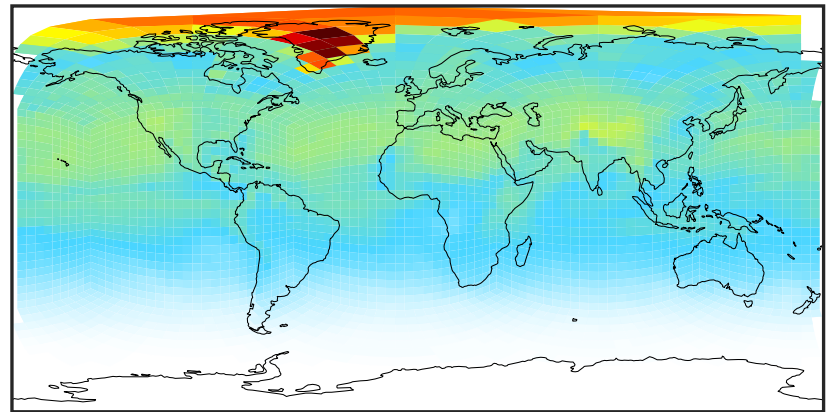
# Jval\_IONO (Jul2019)

14.2.0-rc.2 (Ref)  
c24



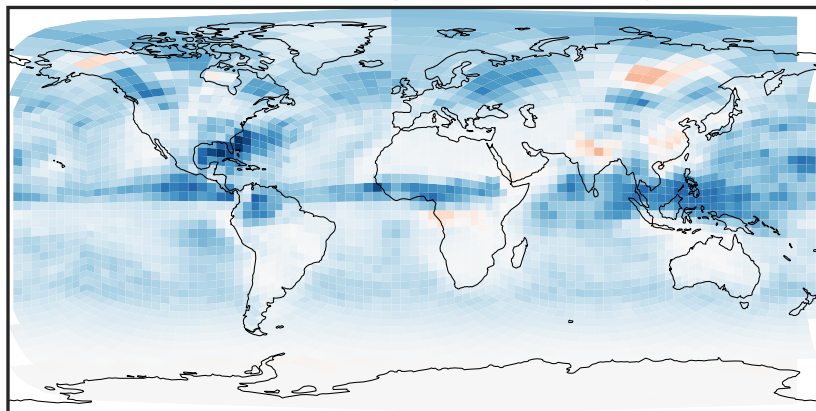
0.0000 0.0008 0.0016 0.0024  
s-1

14.3.0-rc.0 (Dev)  
c24



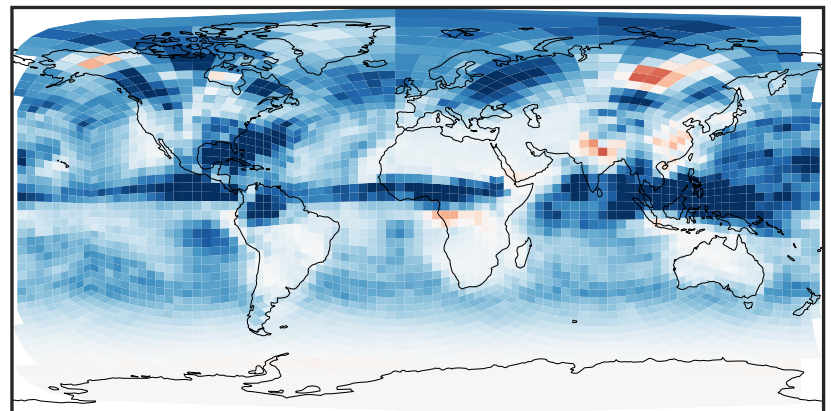
0.0000 0.0008 0.0016 0.0024  
s-1

Difference  
Dev - Ref, Dynamic Range



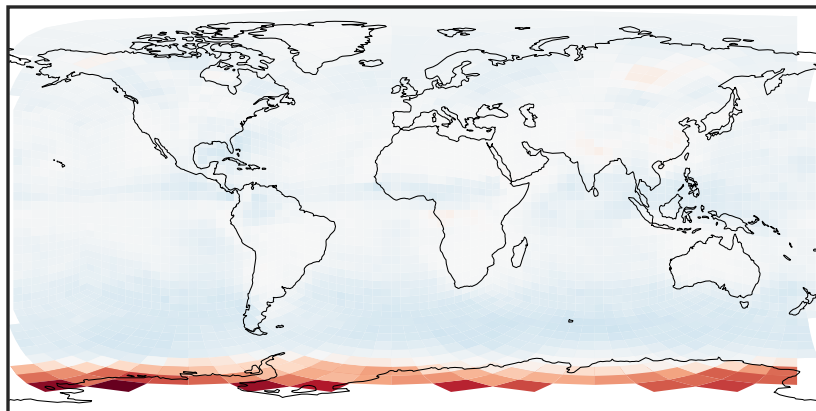
-3 0 3  
s-1 1e-5

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



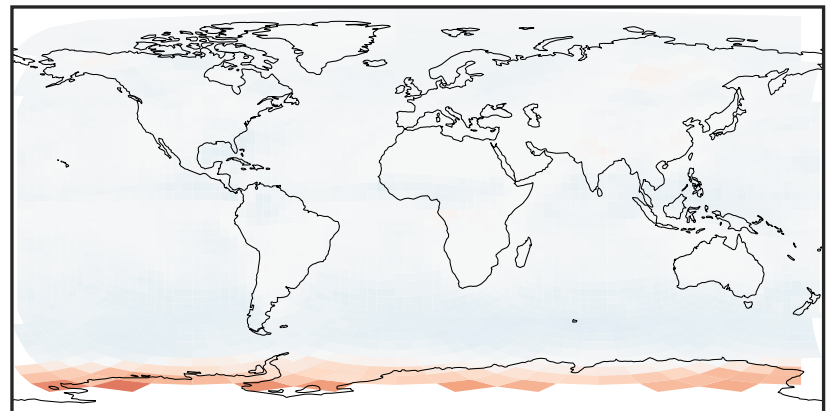
-1.5 0.0 1.5  
s-1 1e-5

Ratio  
Dev/Ref, Dynamic Range



0.6954 0.8477 1.0000 1.2190 1.4381  
unitless

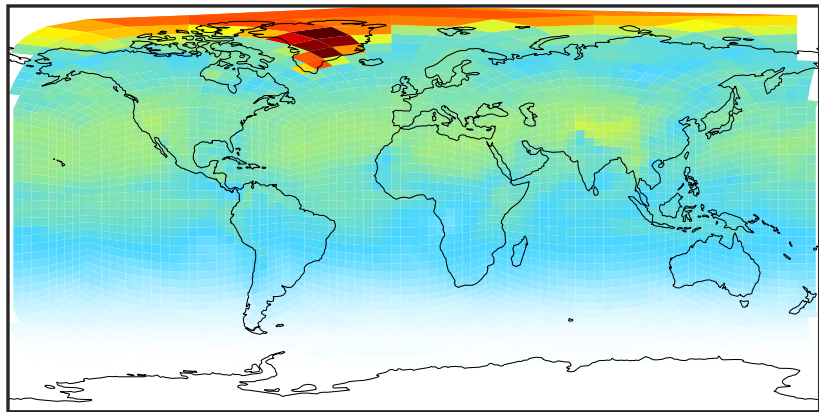
Ratio  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

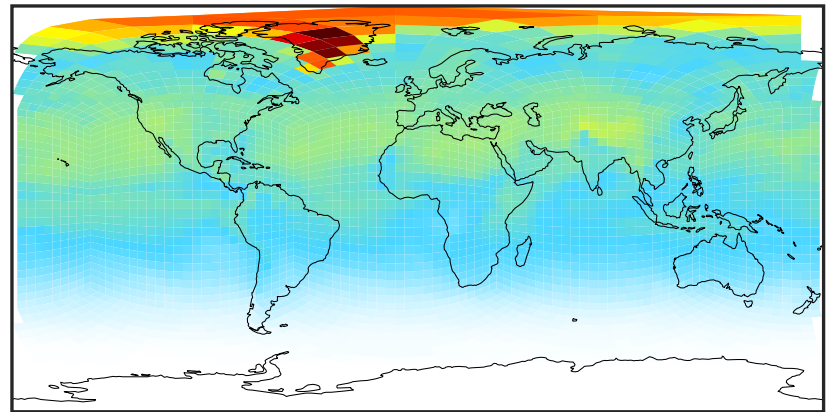
# Jval\_IONO2 (Jul2019)

14.2.0-rc.2 (Ref)  
c24



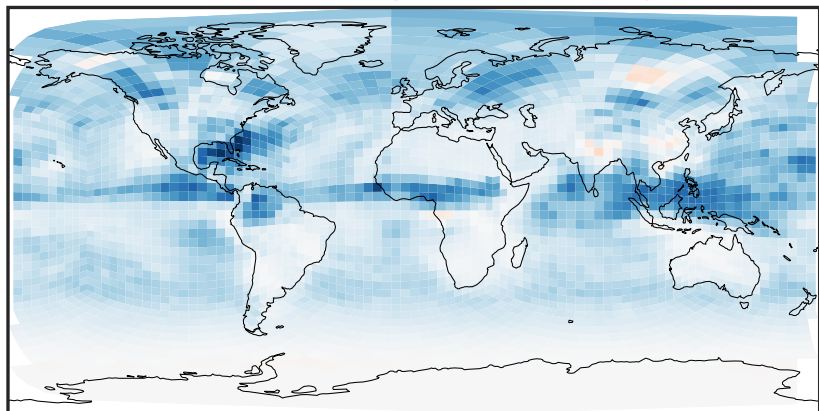
0.000 0.003 0.006 0.009  
s-1

14.3.0-rc.0 (Dev)  
c24



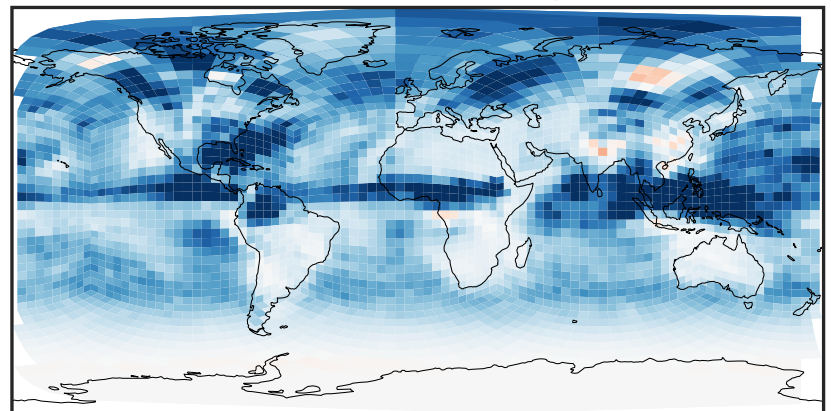
0.000 0.003 0.006 0.009  
s-1

Difference  
Dev - Ref, Dynamic Range



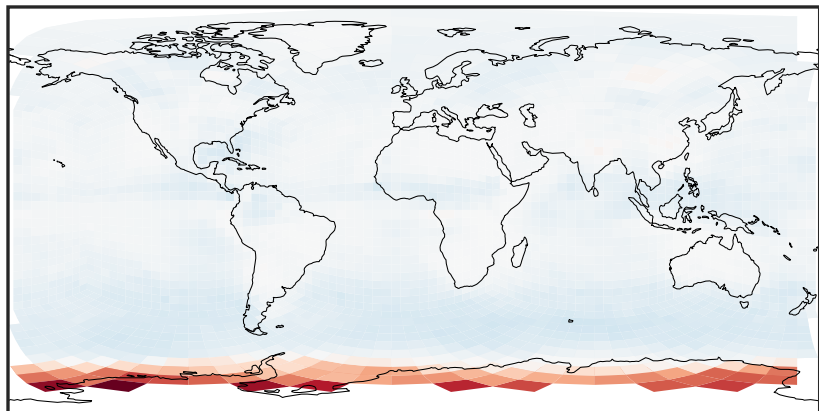
-0.0001 0.0000 0.0001  
s-1

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



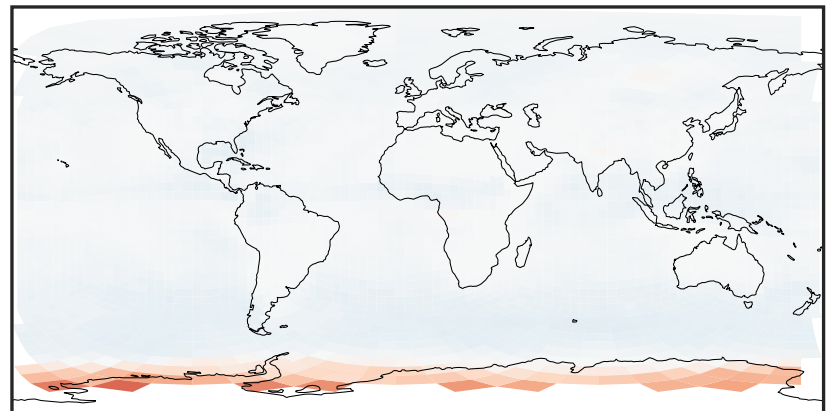
-6 0 6  
s-1 1e-5

Ratio  
Dev/Ref, Dynamic Range



0.6723 0.8362 1.0000 1.2437 1.4874  
unitless

Ratio  
Dev/Ref, Fixed Range

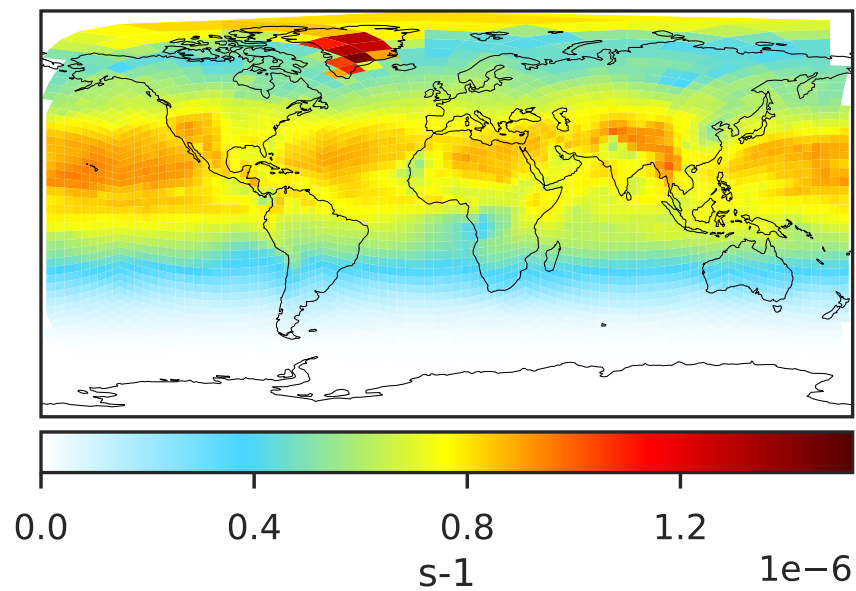


0.50 0.75 1.00 1.50 2.00  
unitless

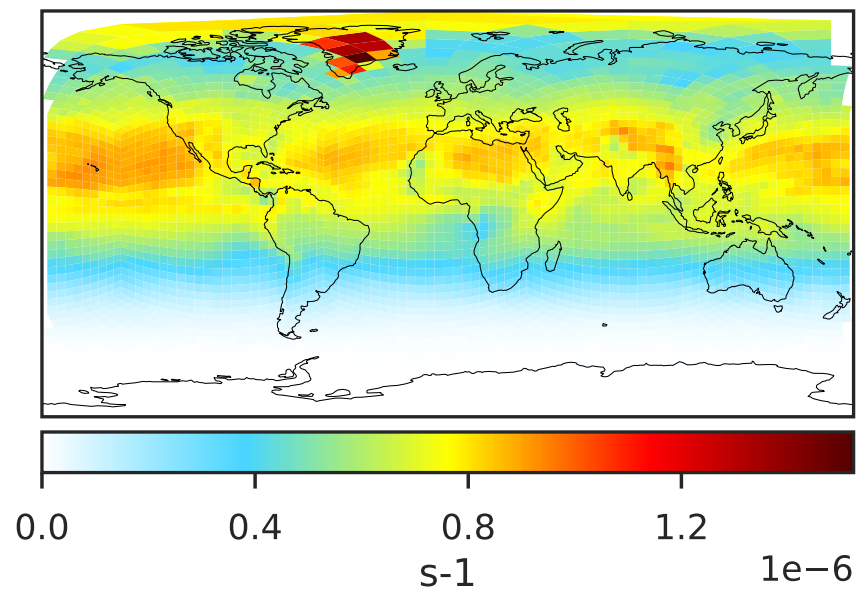


# Jval\_IPRNO3 (Jul2019)

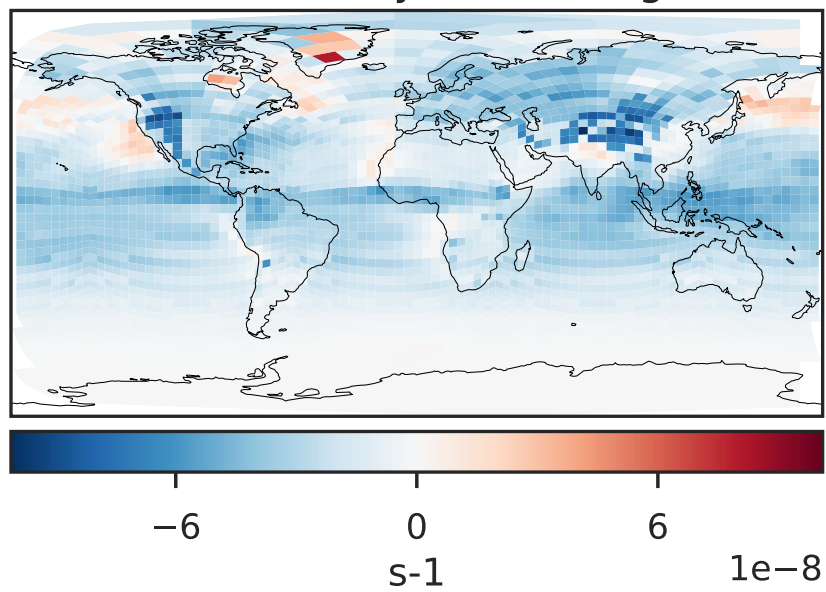
14.2.0-rc.2 (Ref)  
c24



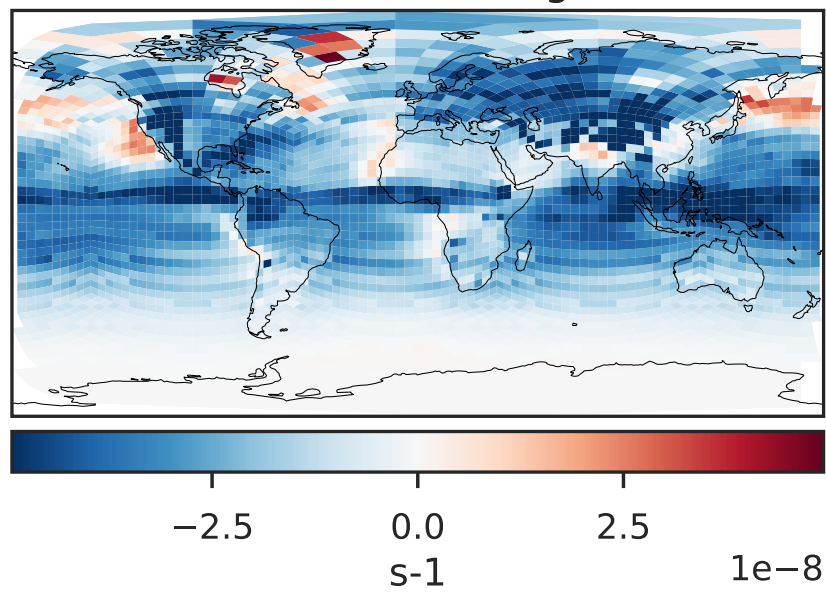
14.3.0-rc.0 (Dev)  
c24



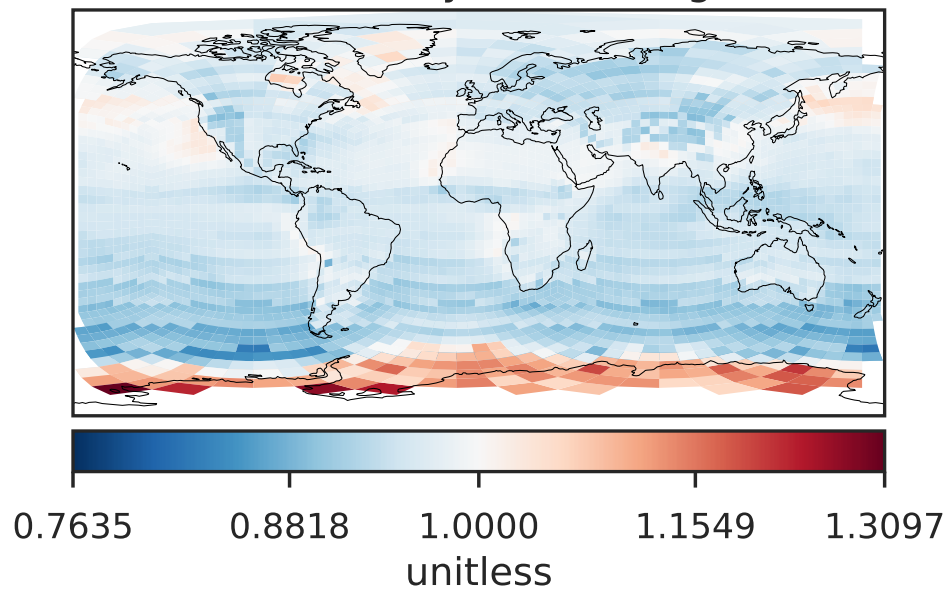
Difference  
Dev - Ref, Dynamic Range



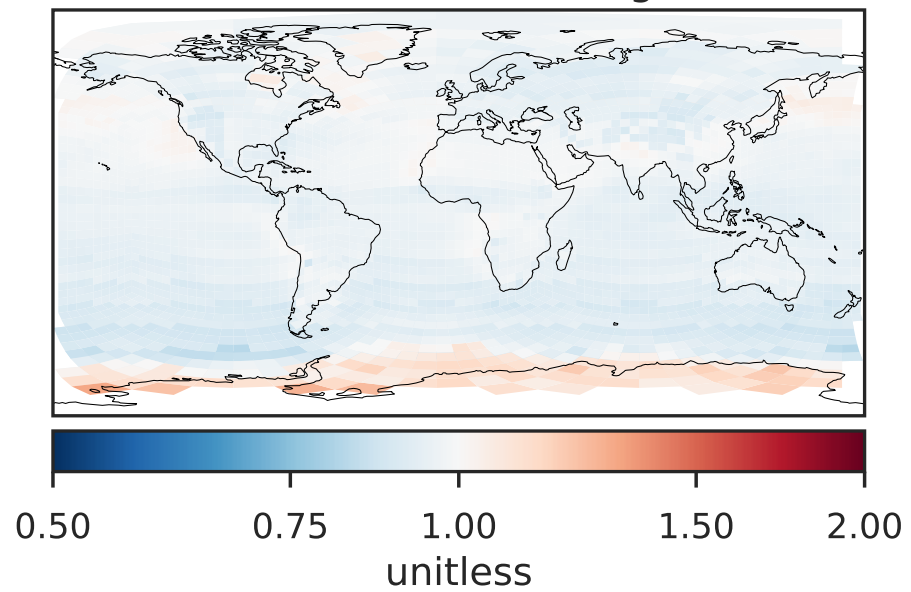
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



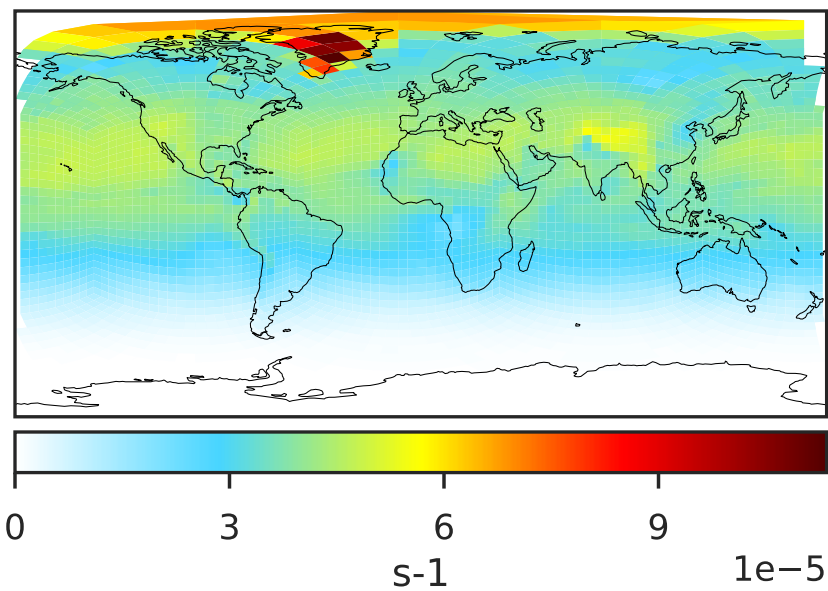
Ratio  
Dev/Ref, Fixed Range



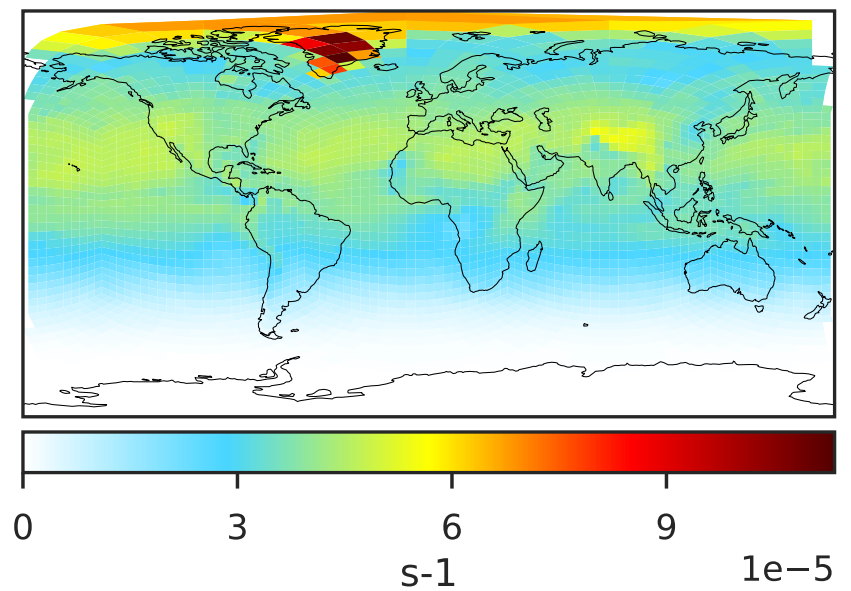


# Jval\_ITCN (Jul2019)

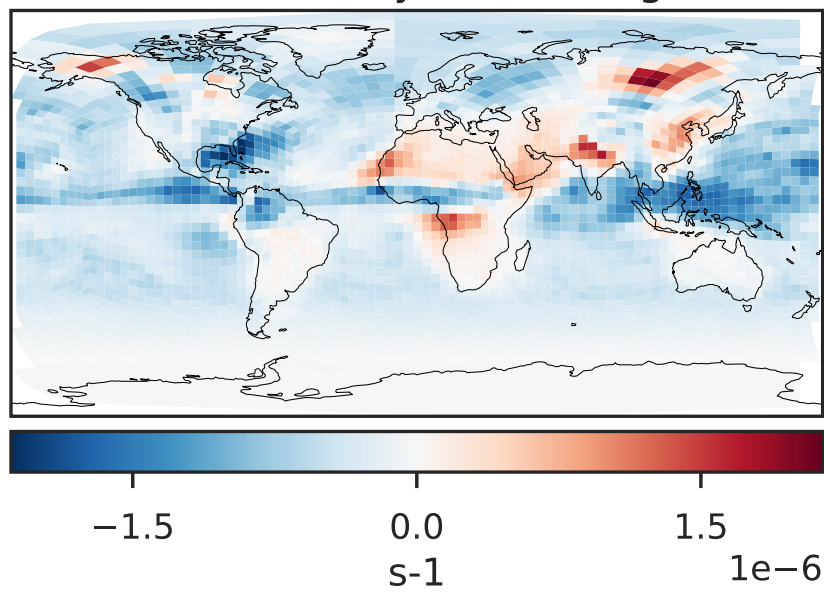
14.2.0-rc.2 (Ref)  
c24



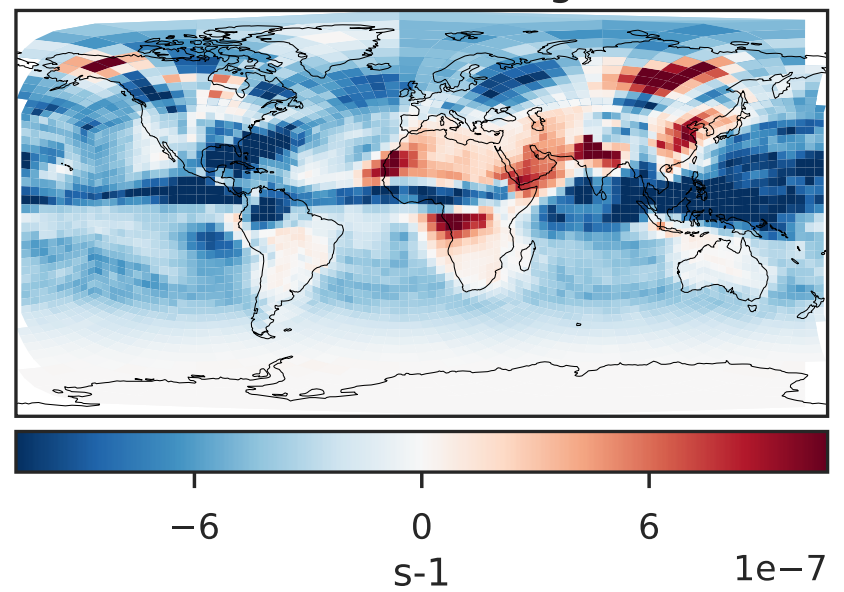
14.3.0-rc.0 (Dev)  
c24



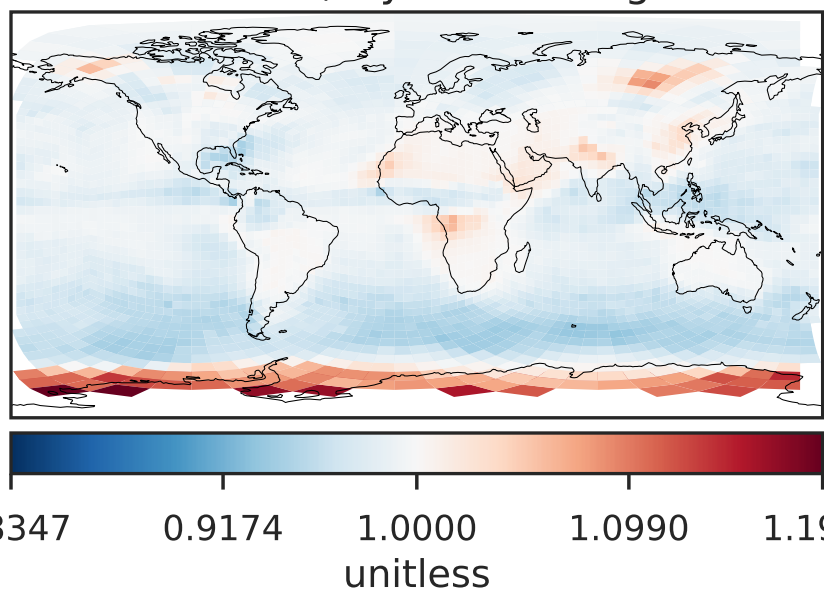
Difference  
Dev - Ref, Dynamic Range



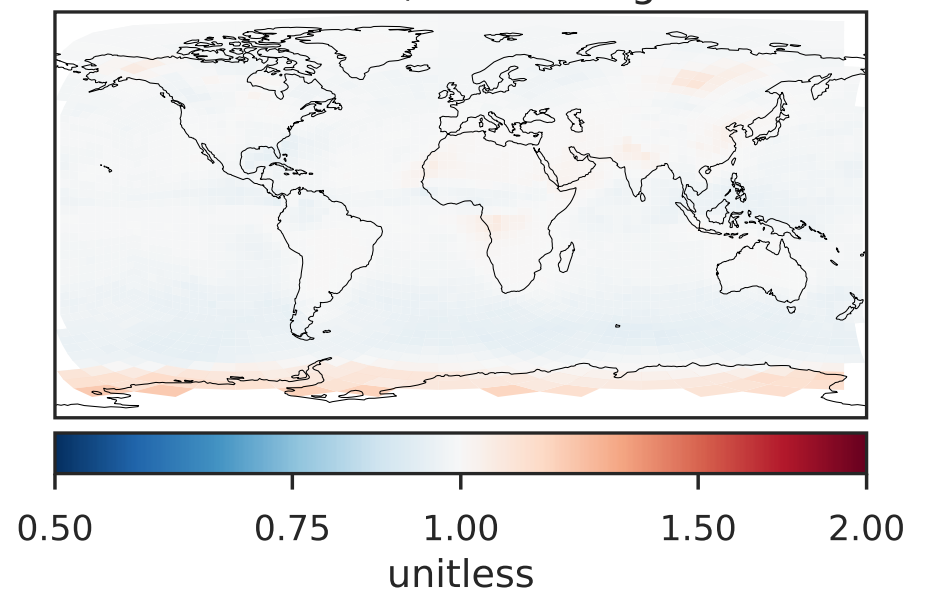
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

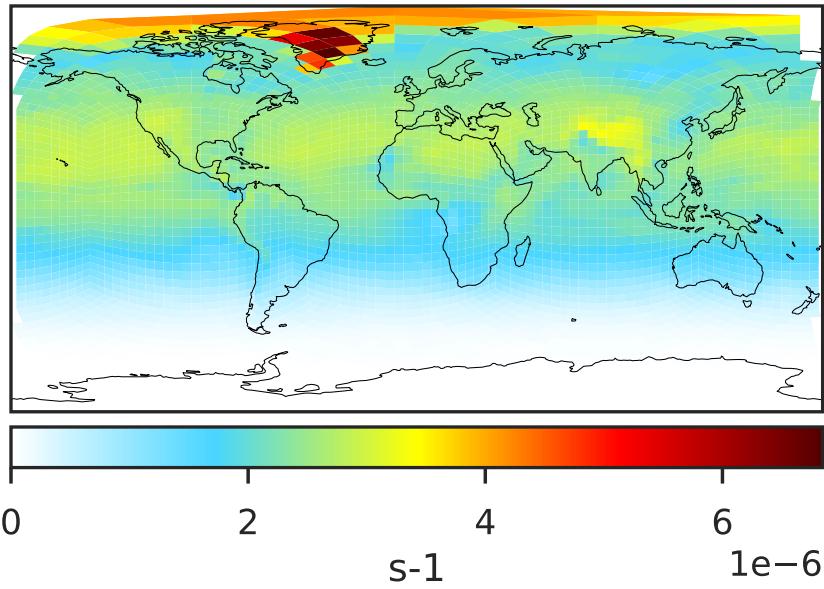


Ratio  
Dev/Ref, Fixed Range

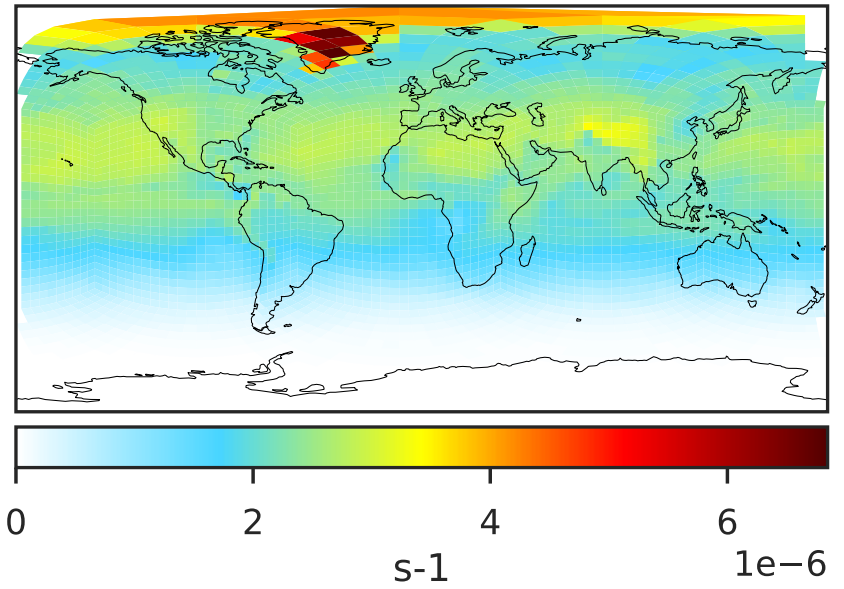


# Jval\_ITHN (Jul2019)

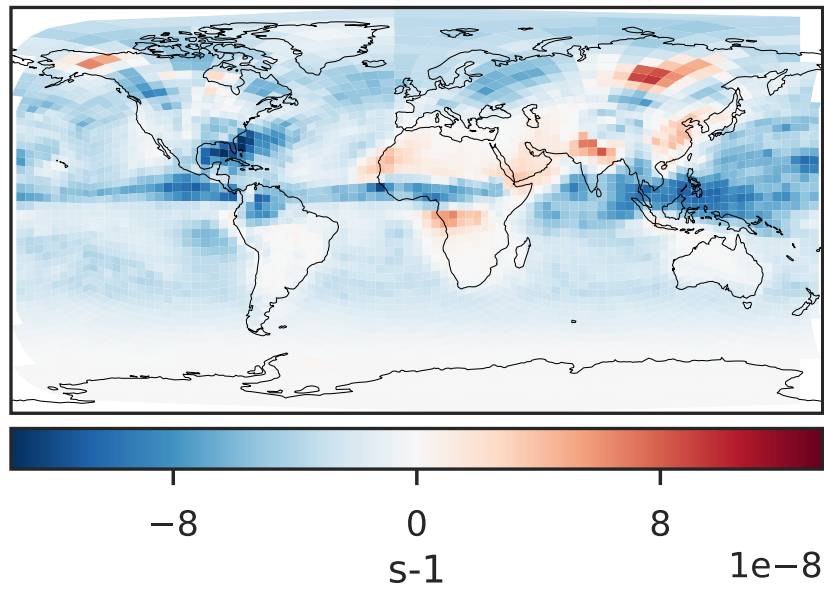
14.2.0-rc.2 (Ref)  
c24



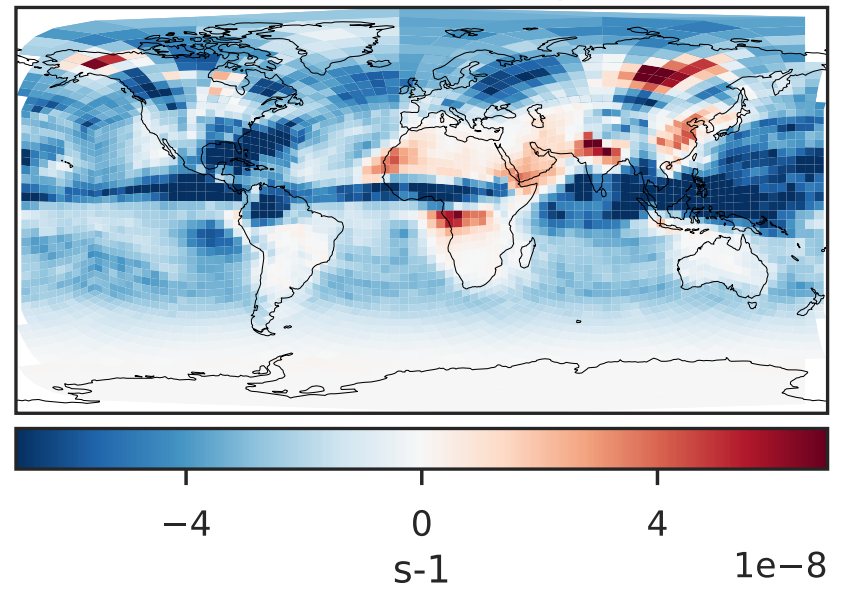
14.3.0-rc.0 (Dev)  
c24



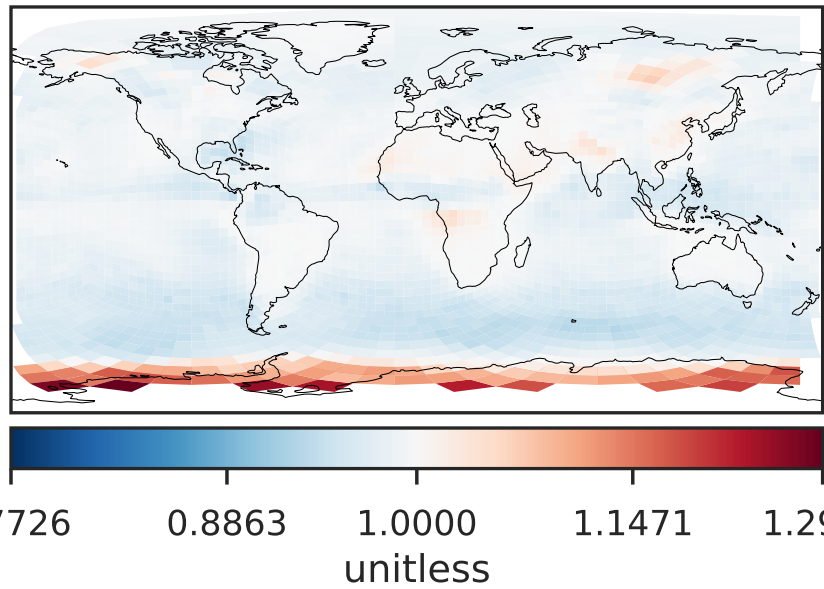
Difference  
Dev - Ref, Dynamic Range



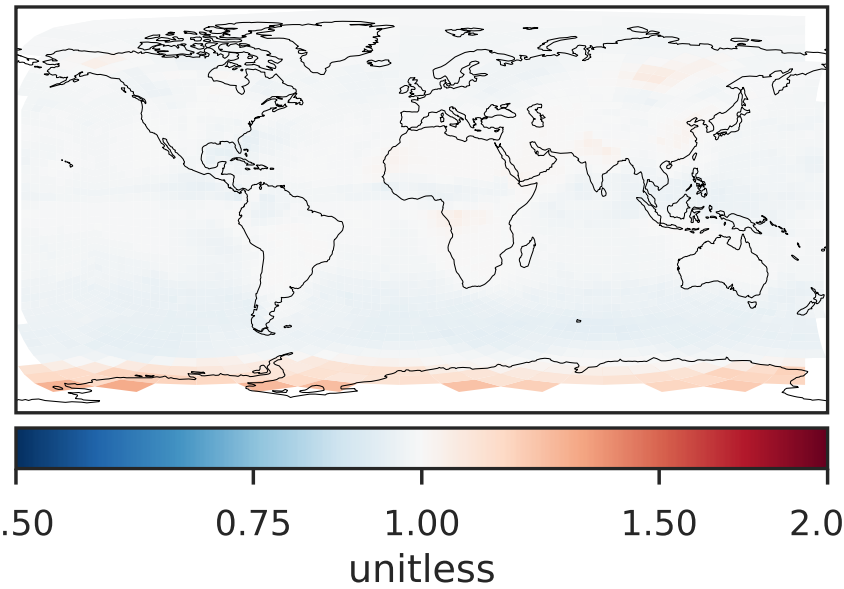
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



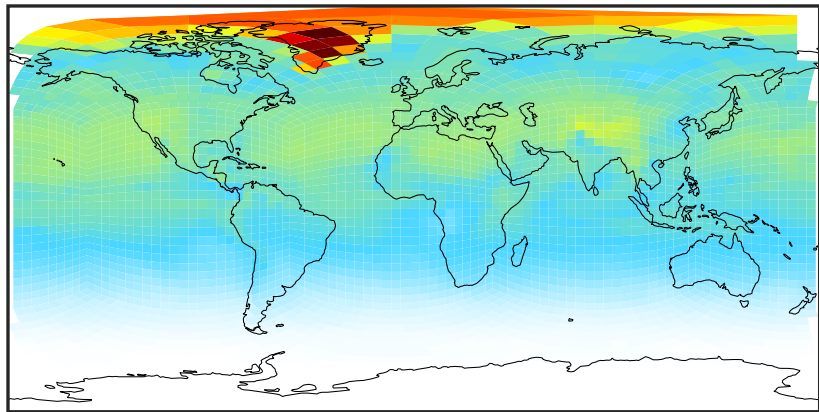
Ratio  
Dev/Ref, Fixed Range





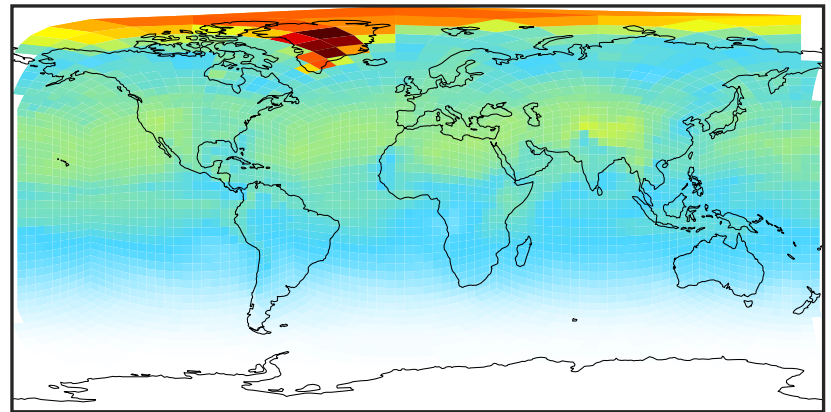
# Jval\_MACR (Jul2019)

14.2.0-rc.2 (Ref)  
c24



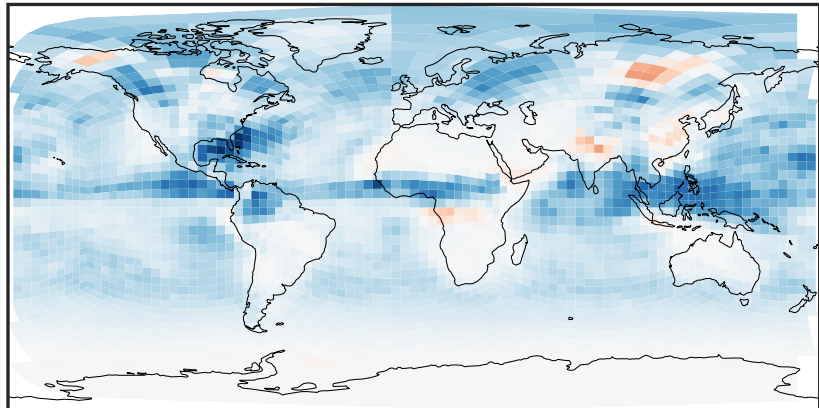
0.0 0.4 0.8 1.2  $1e-6$   
s-1

14.3.0-rc.0 (Dev)  
c24



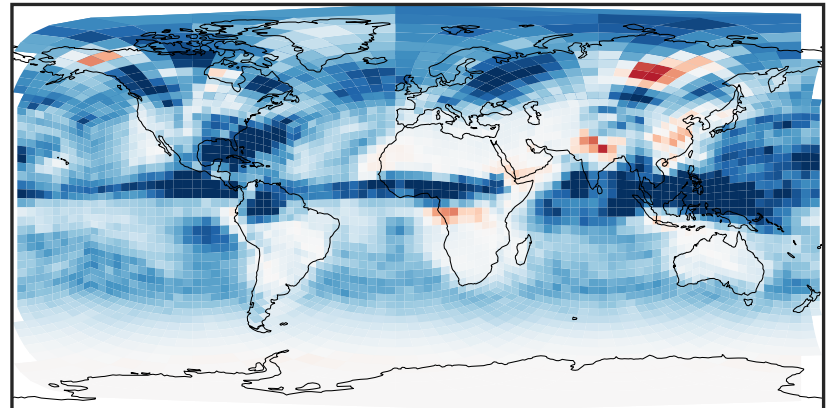
0.0 0.4 0.8 1.2  $1e-6$   
s-1

Difference  
Dev - Ref, Dynamic Range



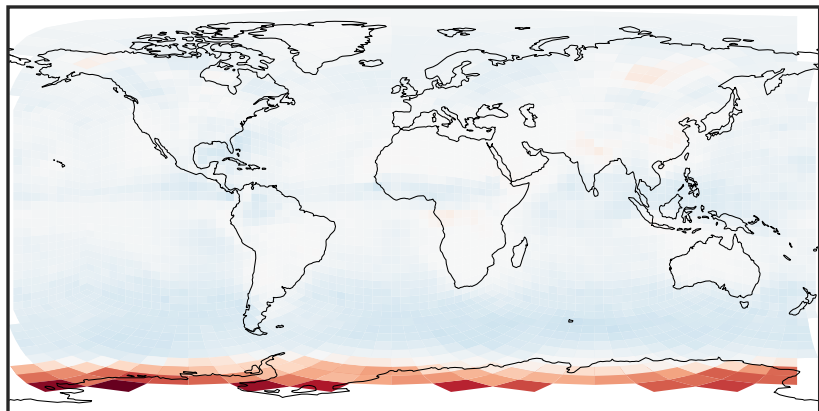
-1.5 0.0 1.5  $1e-8$   
s-1

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



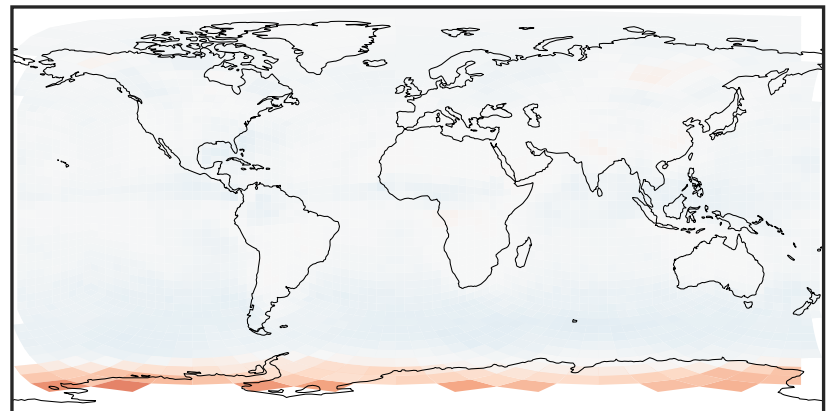
-8 0 8  $1e-9$   
s-1

Ratio  
Dev/Ref, Dynamic Range



0.7078 0.8539 1.000 1.2064 1.4127  
unitless

Ratio  
Dev/Ref, Fixed Range

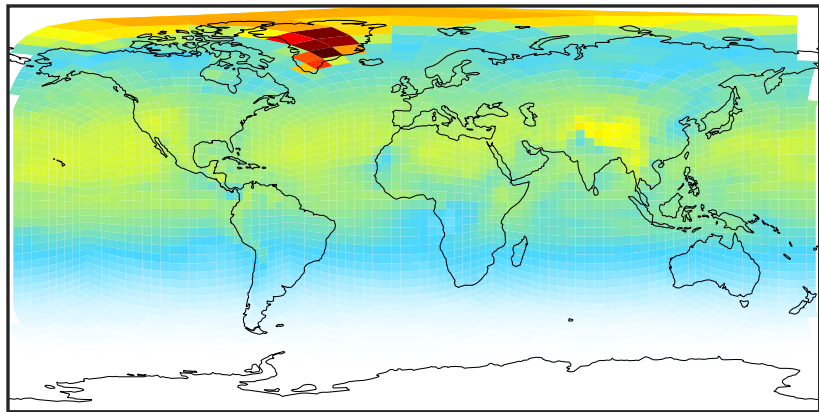


0.50 0.75 1.00 1.50 2.00  
unitless



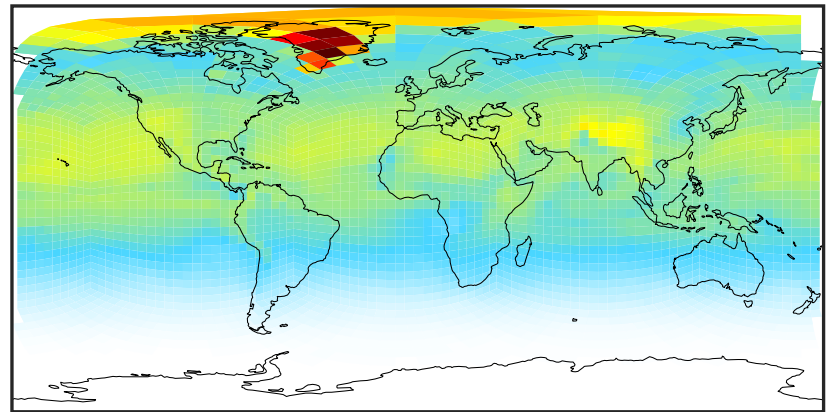
# Jval\_MACR100H (Jul2019)

14.2.0-rc.2 (Ref)  
c24



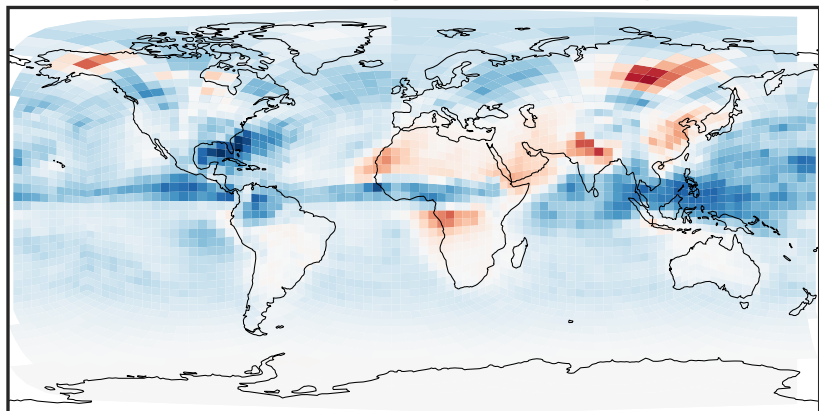
0.0 1.5 3.0  $1e-5$   
s-1

14.3.0-rc.0 (Dev)  
c24



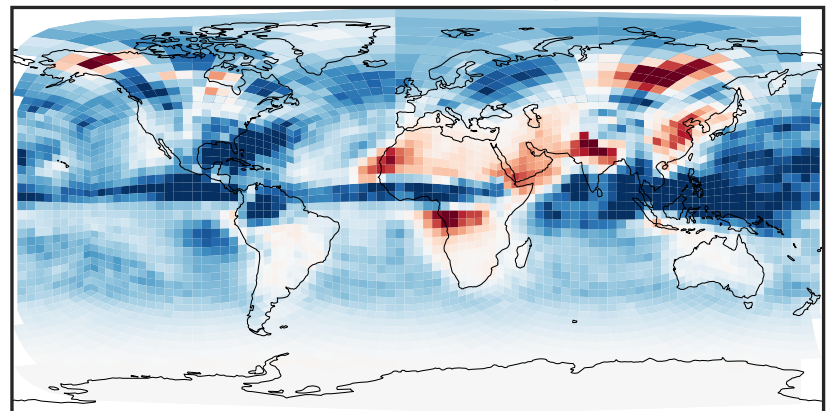
0.0 1.5 3.0  $1e-5$   
s-1

Difference  
Dev - Ref, Dynamic Range



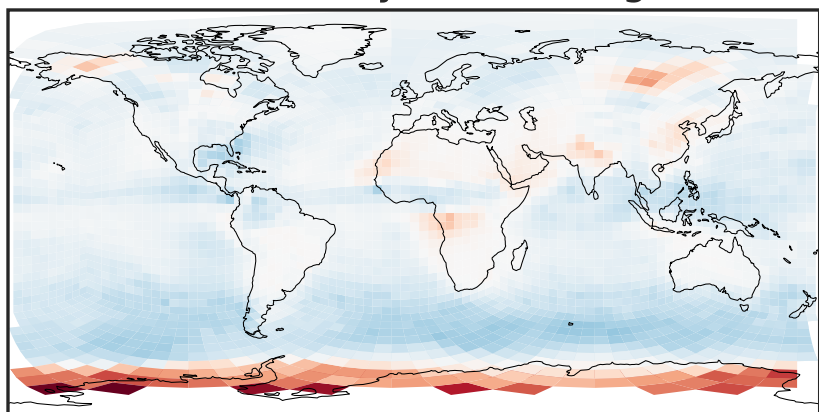
-5 0 5  $1e-7$   
s-1

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



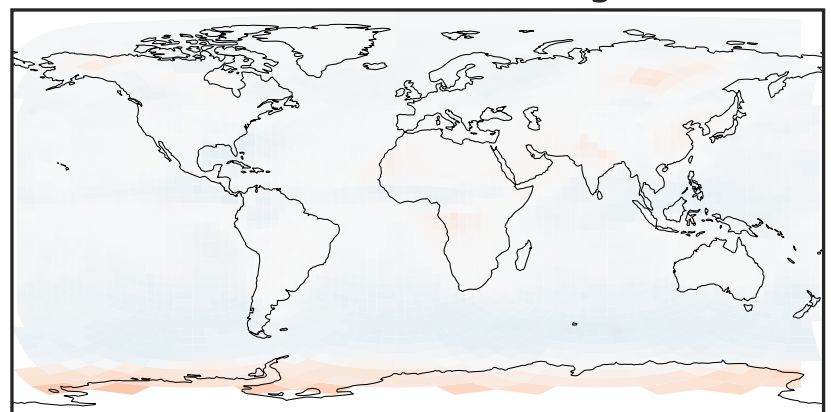
-2.5 0.0 2.5  $1e-7$   
s-1

Ratio  
Dev/Ref, Dynamic Range



0.8309 0.9155 1.0000 1.1018 1.2035  
unitless

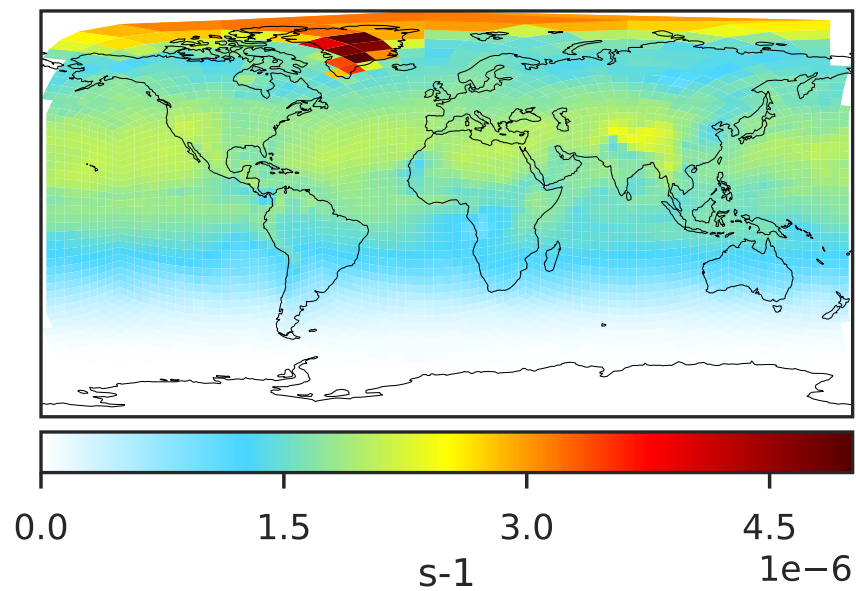
Ratio  
Dev/Ref, Fixed Range



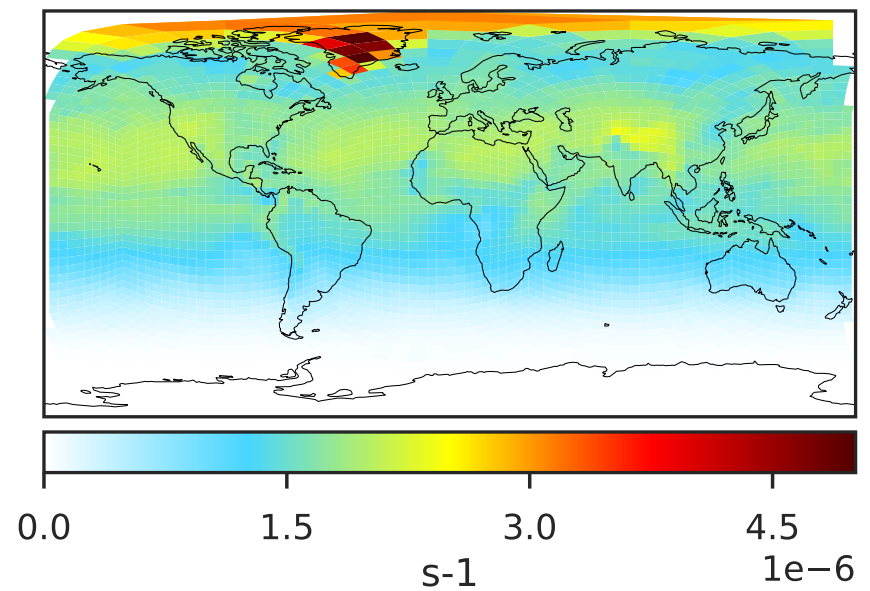
0.50 0.75 1.00 1.50 2.00  
unitless

# Jval\_MAP (Jul2019)

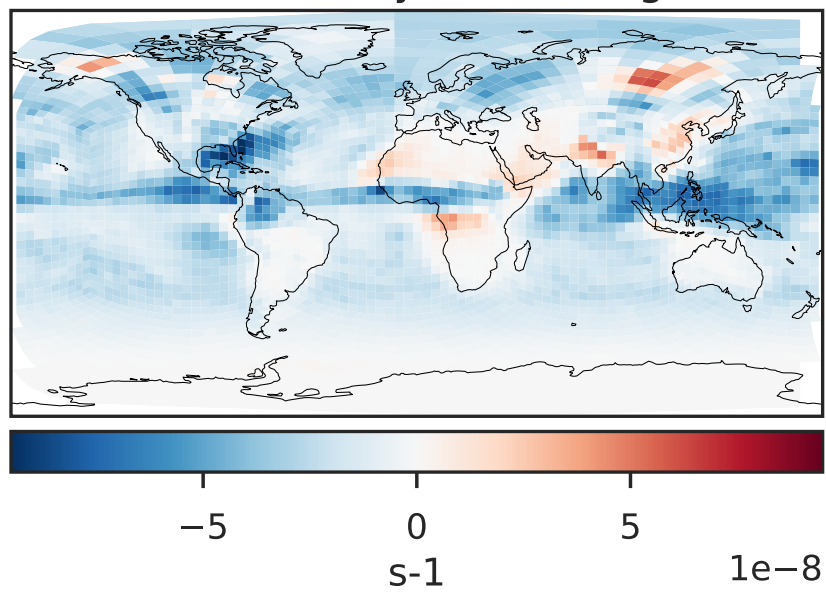
14.2.0-rc.2 (Ref)  
c24



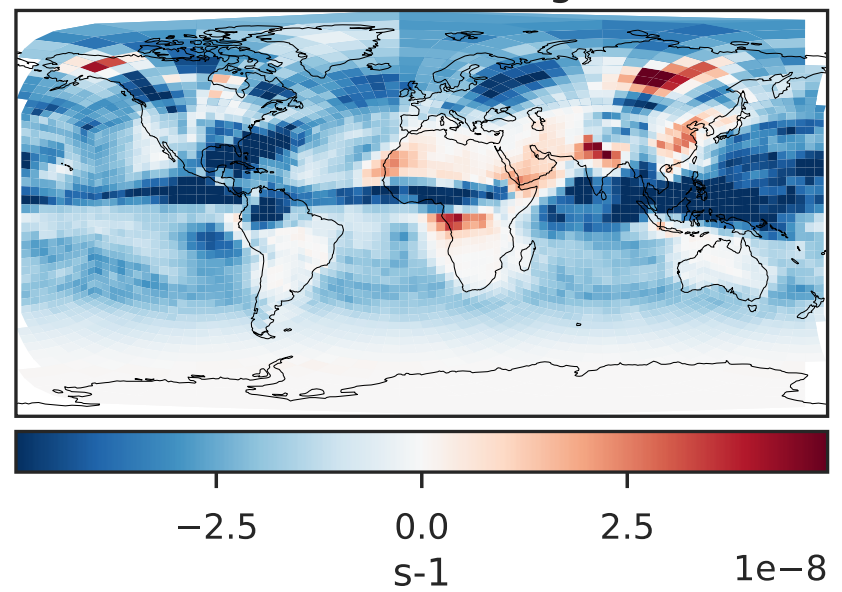
14.3.0-rc.0 (Dev)  
c24



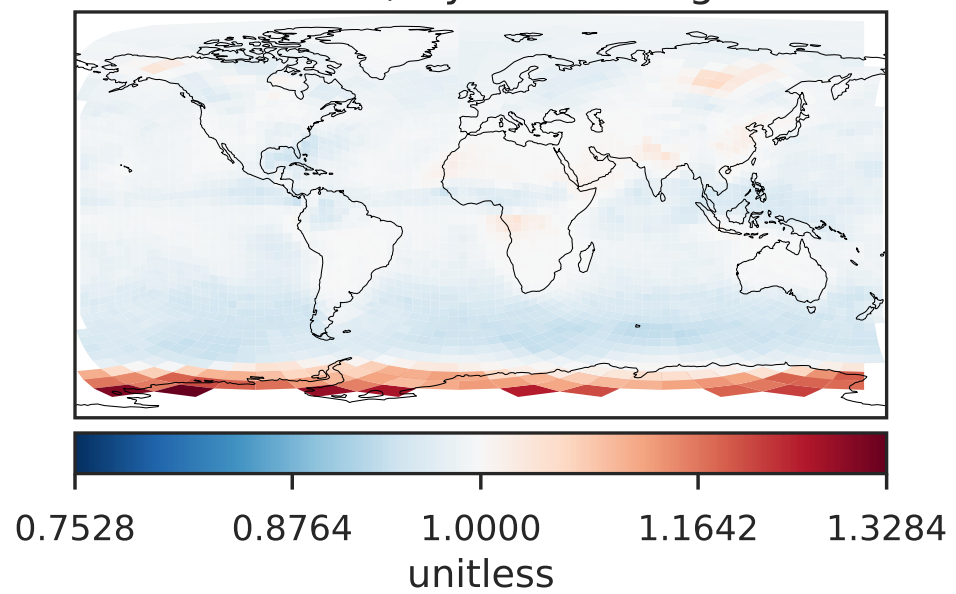
Difference  
Dev - Ref, Dynamic Range



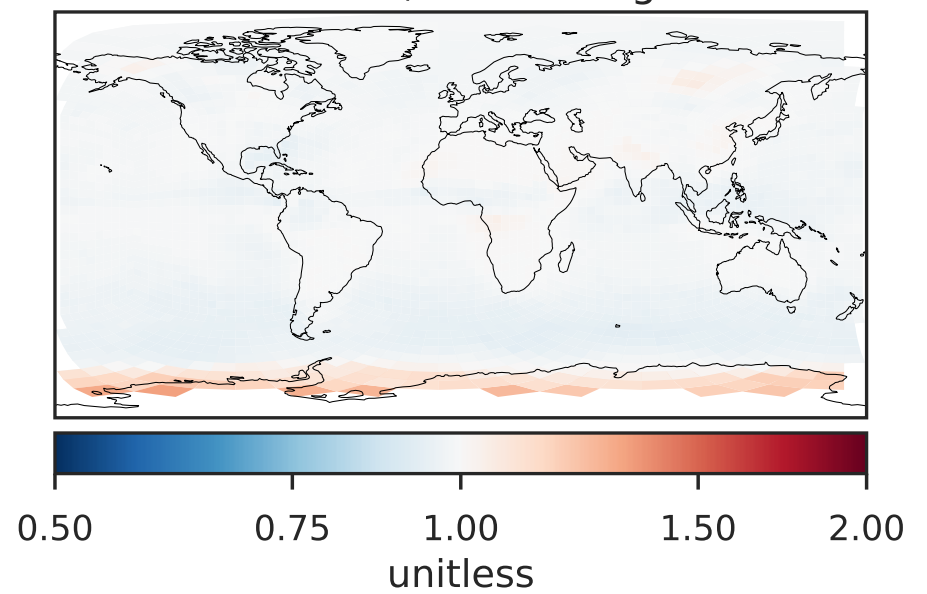
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



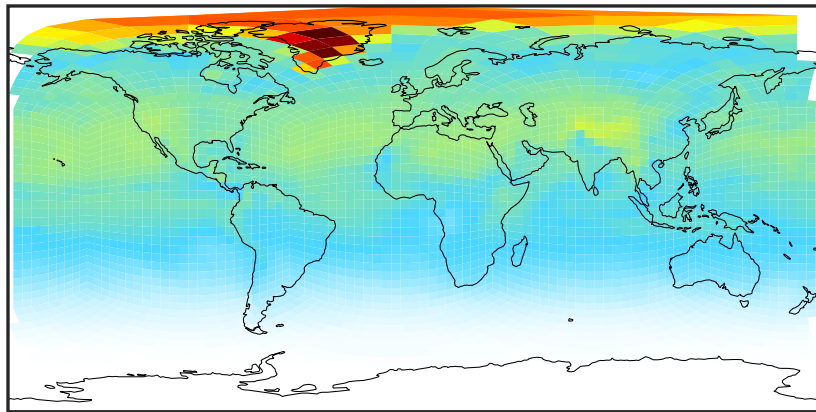
Ratio  
Dev/Ref, Fixed Range





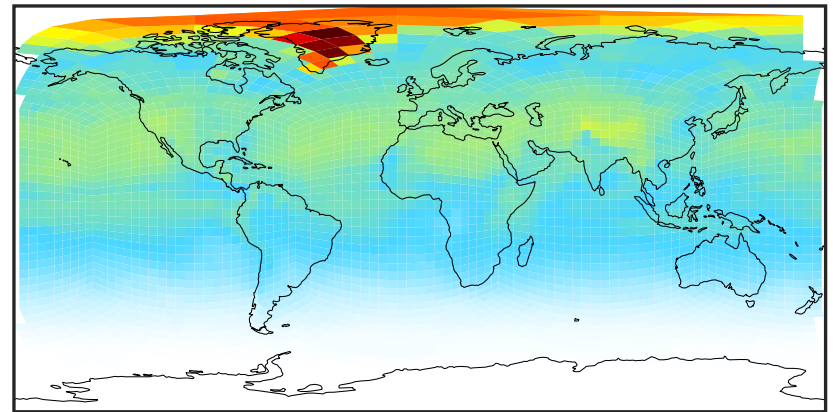
# Jval\_MCRENOL (Jul2019)

14.2.0-rc.2 (Ref)  
c24



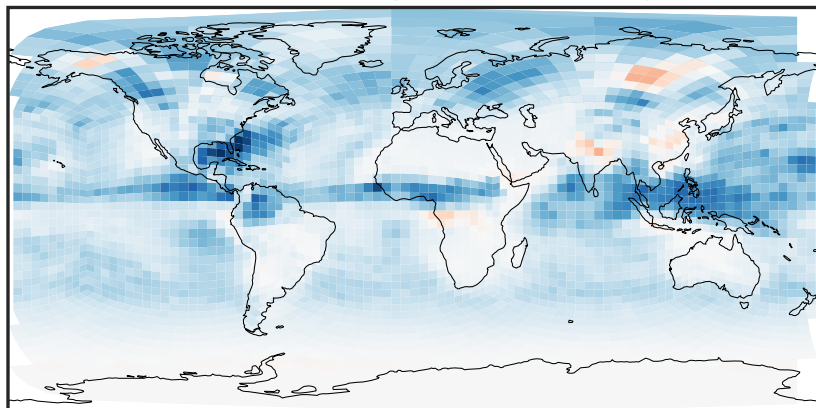
0.00000 0.00008 0.00016 0.00024  
s-1

14.3.0-rc.0 (Dev)  
c24



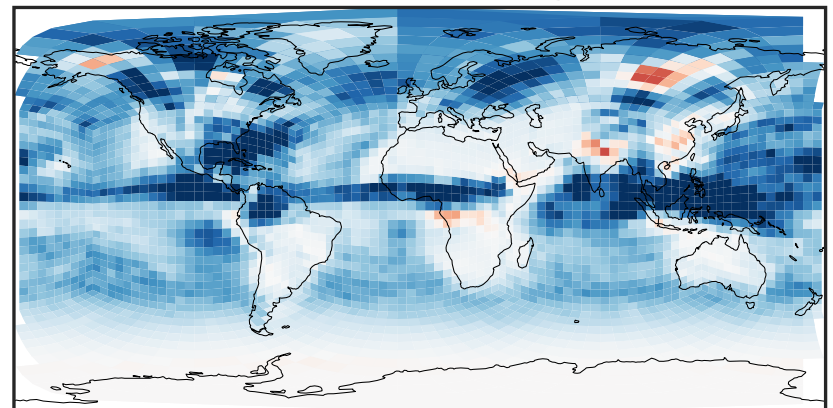
0.00000 0.00008 0.00016 0.00024  
s-1

Difference  
Dev - Ref, Dynamic Range



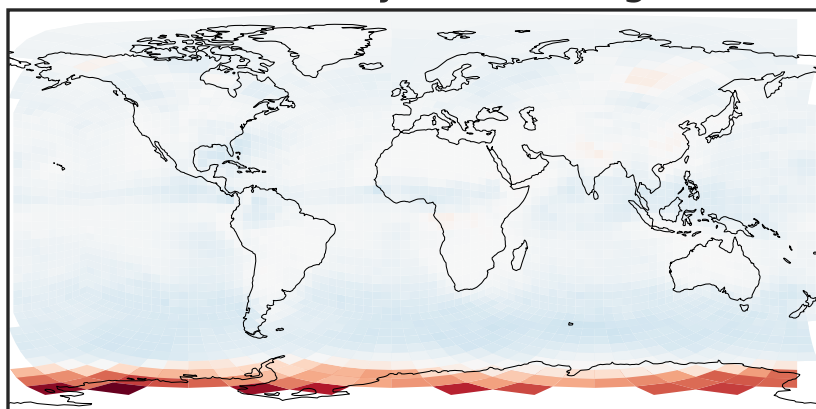
-3 0 3  
s-1 1e-6

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



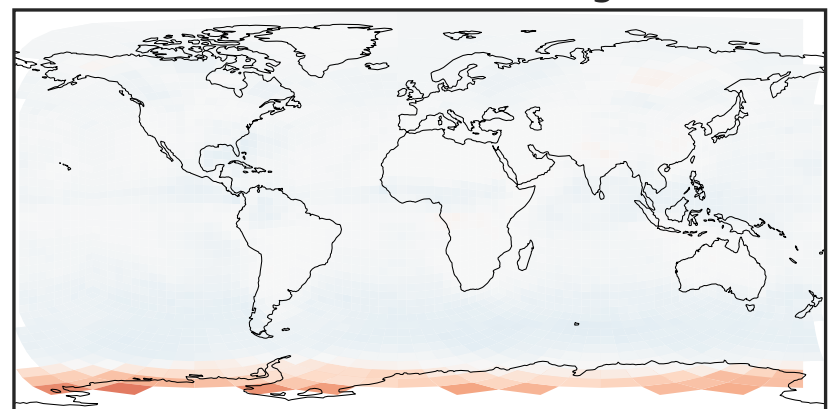
-1.5 0.0 1.5  
s-1 1e-6

Ratio  
Dev/Ref, Dynamic Range



0.6981 0.8491 1.0000 1.2162 1.4324  
unitless

Ratio  
Dev/Ref, Fixed Range

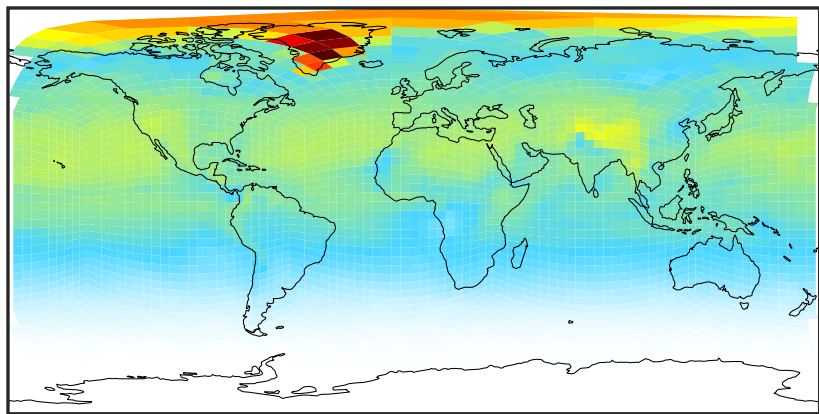


0.50 0.75 1.00 1.50 2.00  
unitless



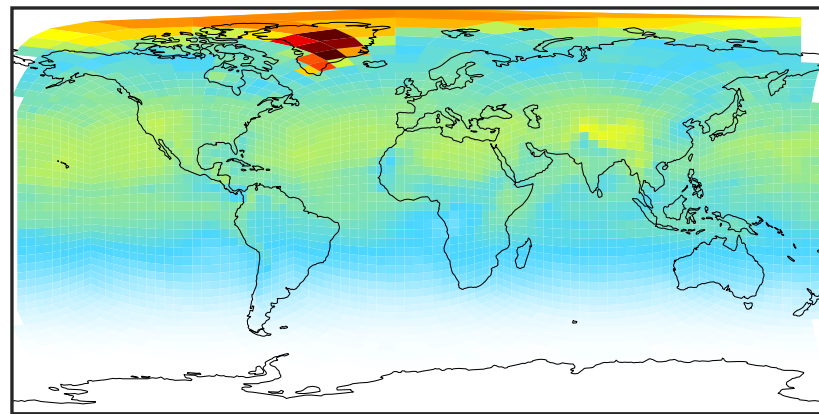
# Jval\_MCRHN (Jul2019)

14.2.0-rc.2 (Ref)  
c24



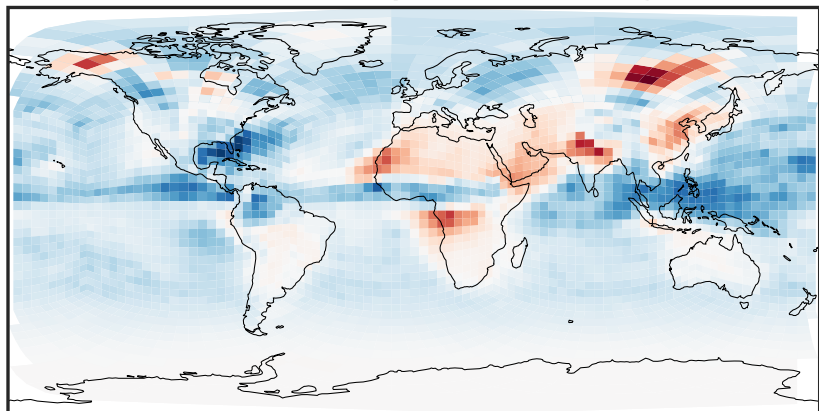
0.00000 0.00008 0.00016 0.00024  
s-1

14.3.0-rc.0 (Dev)  
c24



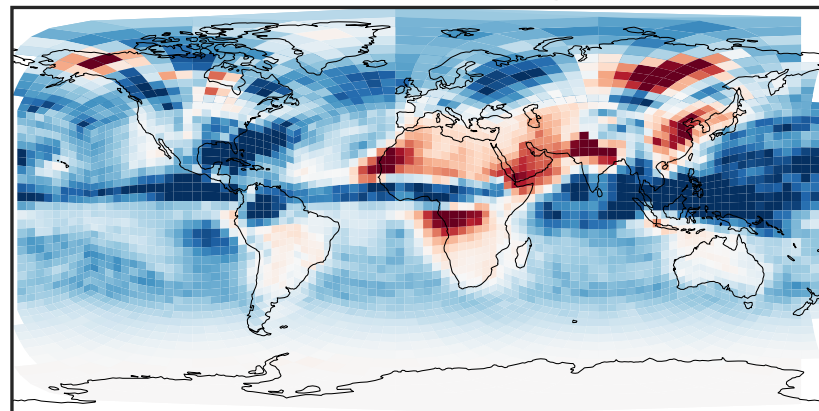
0.00000 0.00008 0.00016 0.00024  
s-1

Difference  
Dev - Ref, Dynamic Range



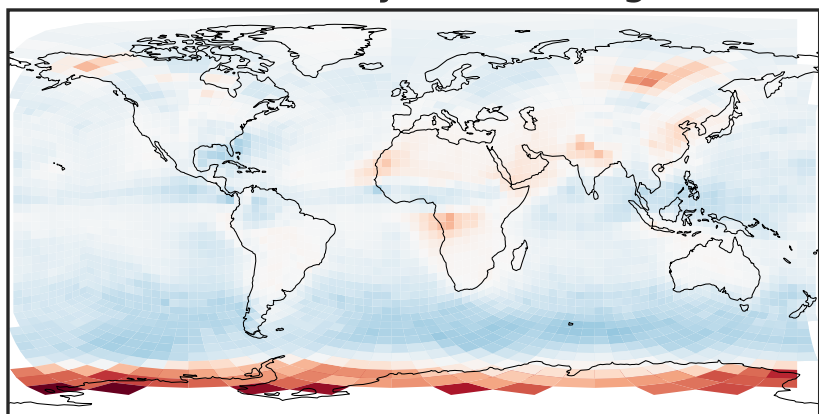
-3 0 3  
s-1 1e-6

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



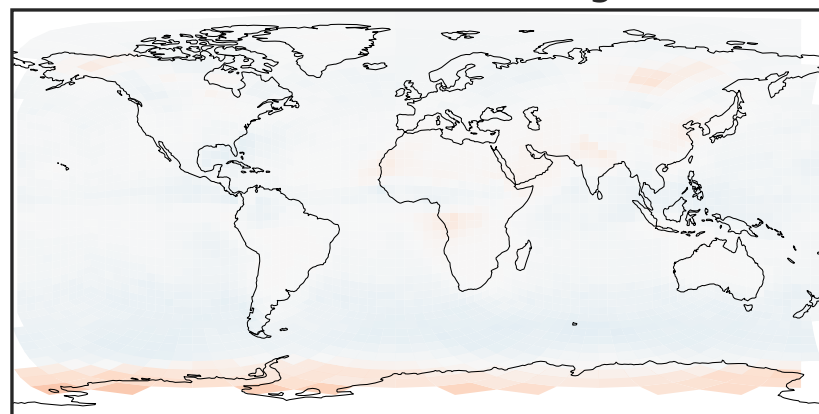
-1.5 0.0 1.5  
s-1 1e-6

Ratio  
Dev/Ref, Dynamic Range



0.8316 0.9158 1.0000 1.1013 1.2025  
unitless

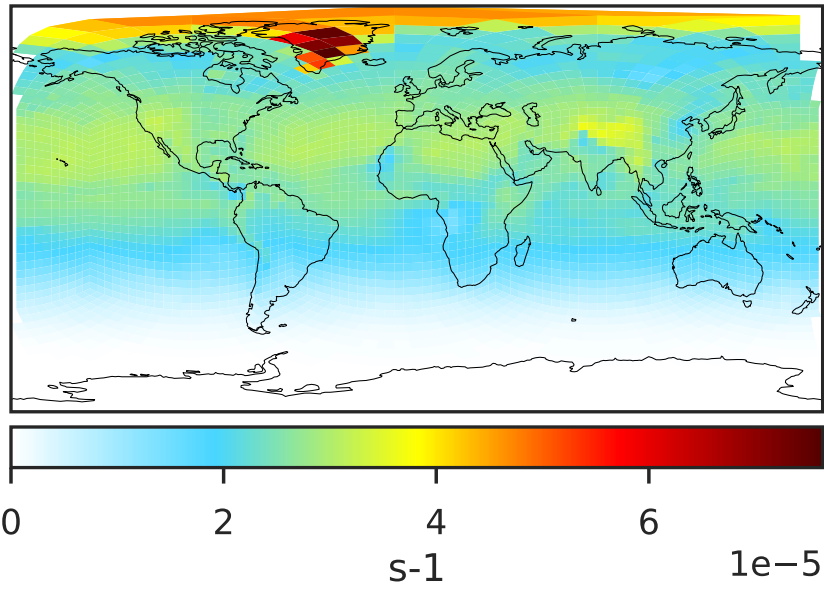
Ratio  
Dev/Ref, Fixed Range



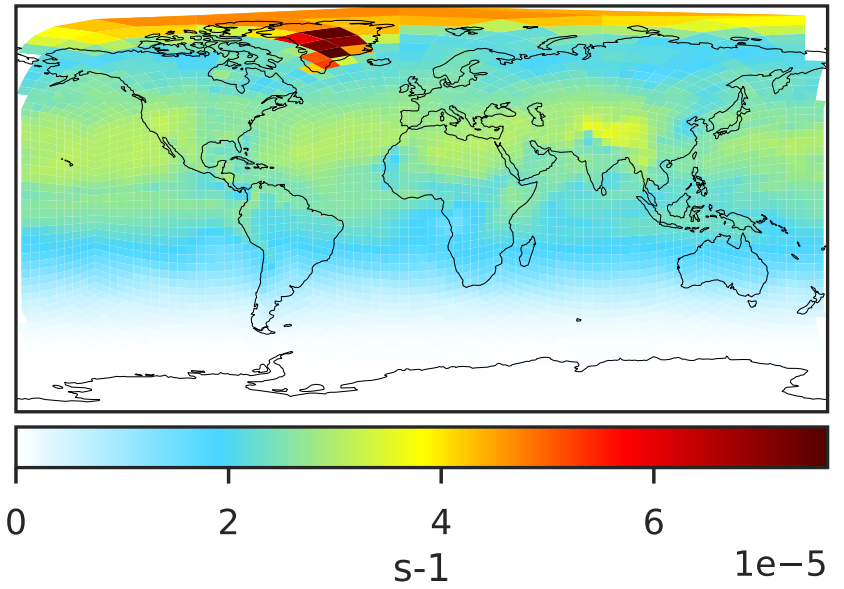
0.50 0.75 1.00 1.50 2.00  
unitless

# Jval\_MCRHNB (Jul2019)

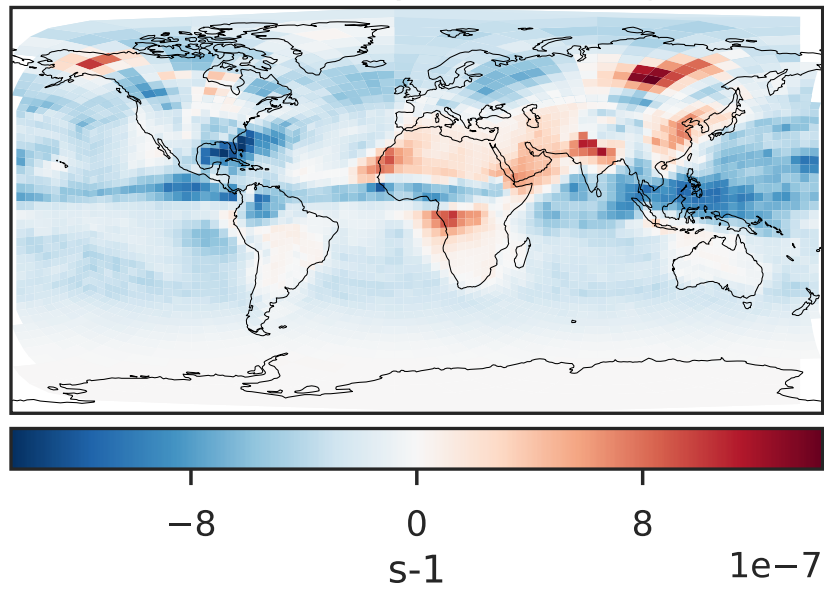
14.2.0-rc.2 (Ref)  
c24



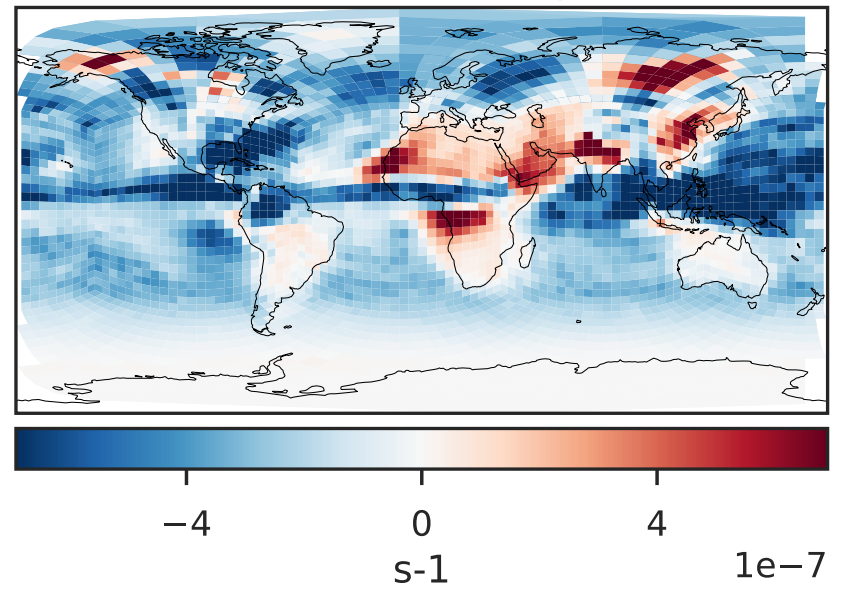
14.3.0-rc.0 (Dev)  
c24



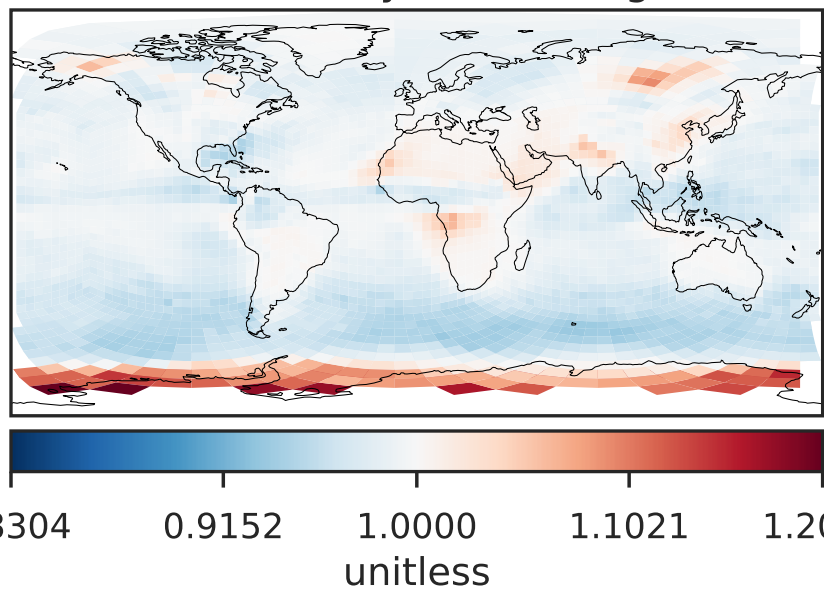
Difference  
Dev - Ref, Dynamic Range



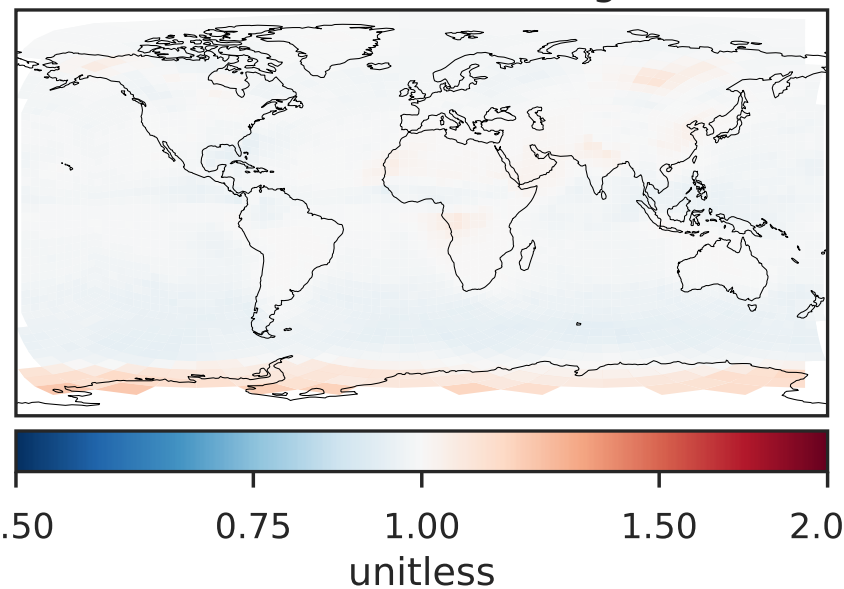
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



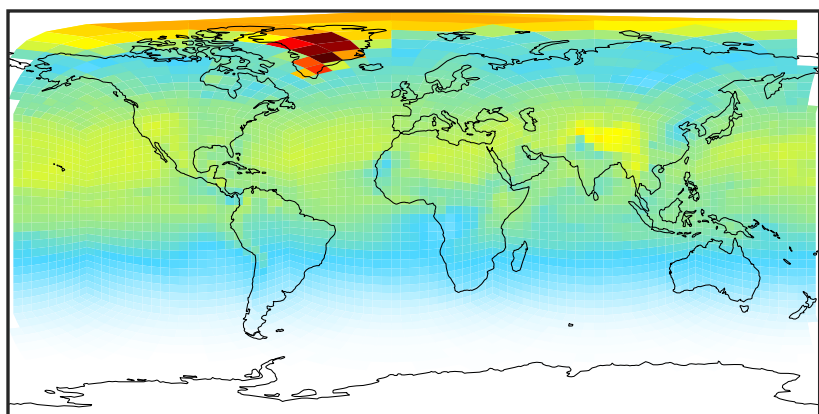
Ratio  
Dev/Ref, Fixed Range





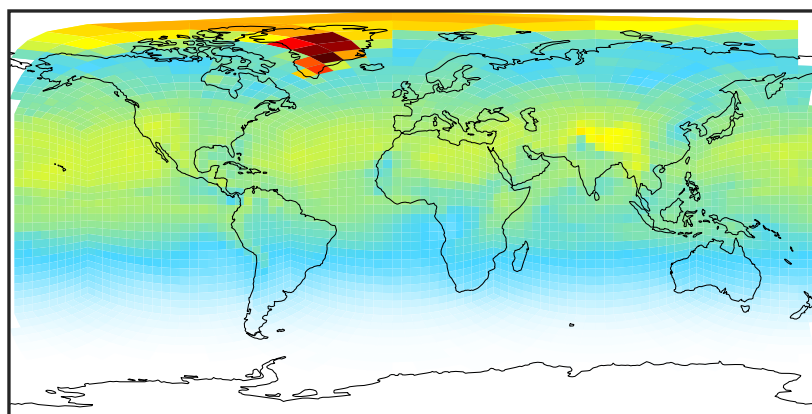
# Jval\_MCRHP (Jul2019)

14.2.0-rc.2 (Ref)  
c24



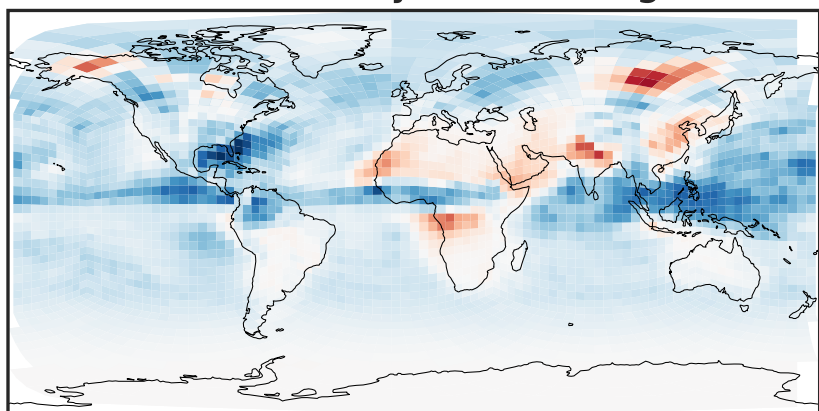
0.0 1.5 3.0  $1e-5$   
s-1

14.3.0-rc.0 (Dev)  
c24



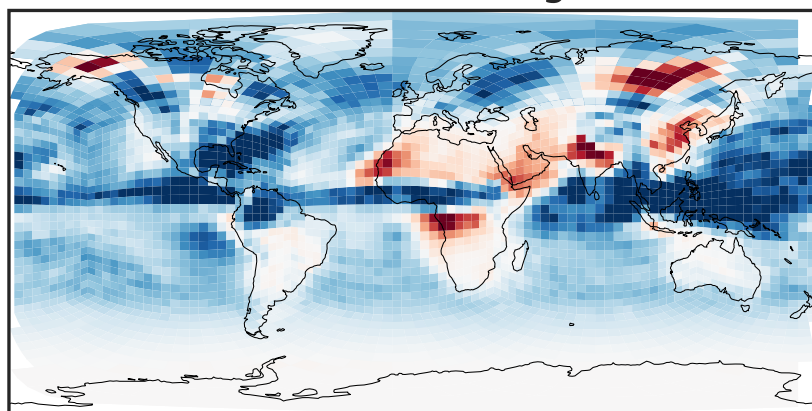
0.0 1.5 3.0  $1e-5$   
s-1

Difference  
Dev - Ref, Dynamic Range



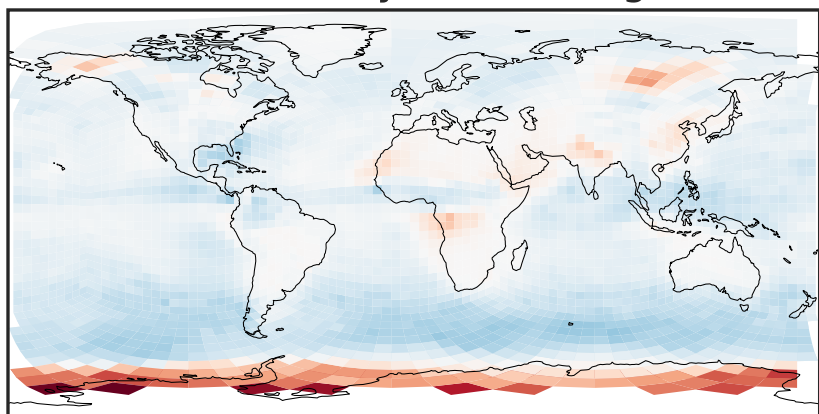
-5 0 5  $1e-7$   
s-1

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



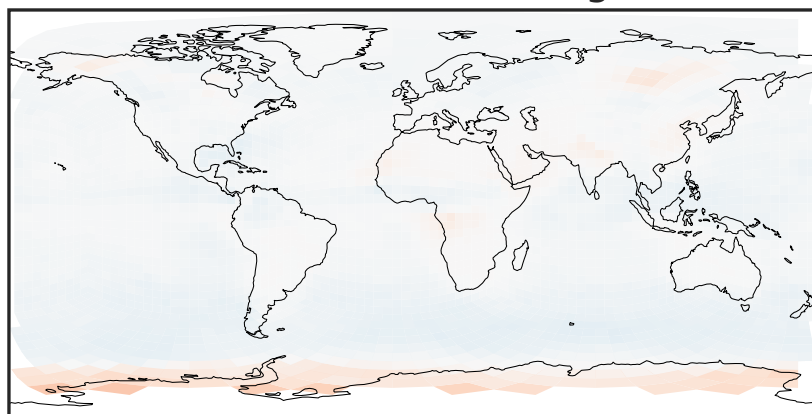
-2.5 0.0 2.5  $1e-7$   
s-1

Ratio  
Dev/Ref, Dynamic Range



0.8309 0.9155 1.0000 1.1018 1.2035  
unitless

Ratio  
Dev/Ref, Fixed Range

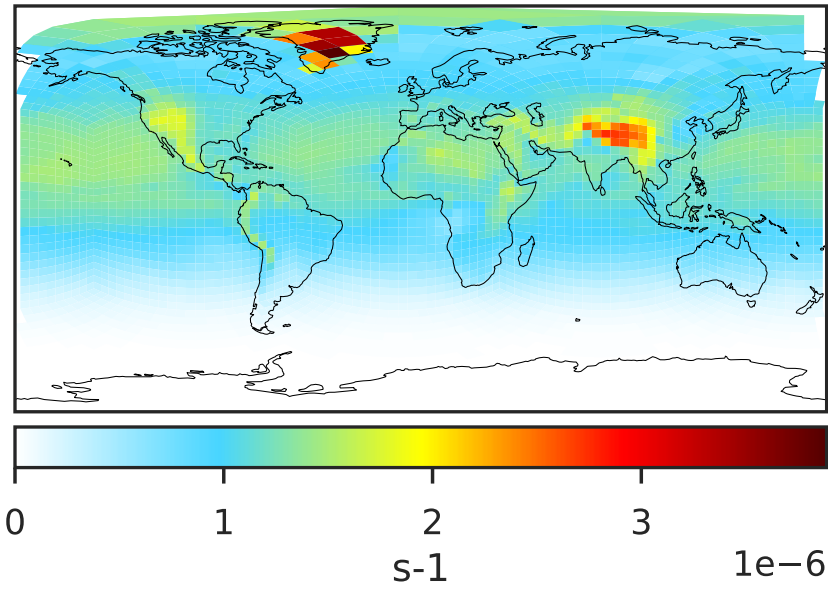


0.50 0.75 1.00 1.50 2.00  
unitless

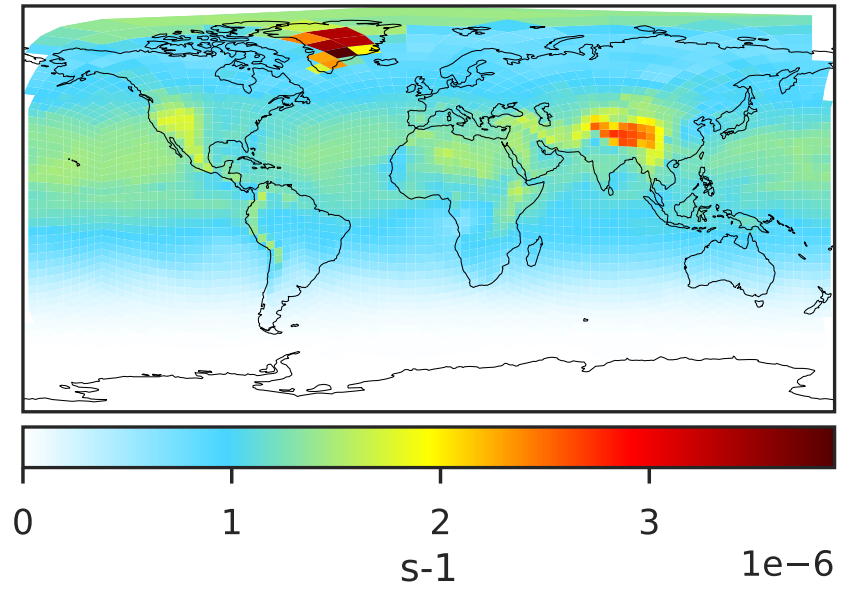


# Jval\_MEK (Jul2019)

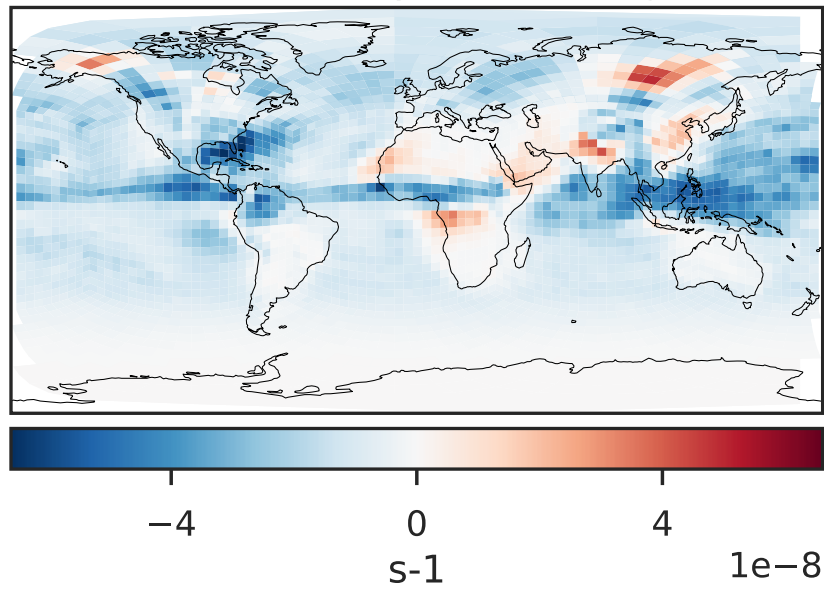
14.2.0-rc.2 (Ref)  
c24



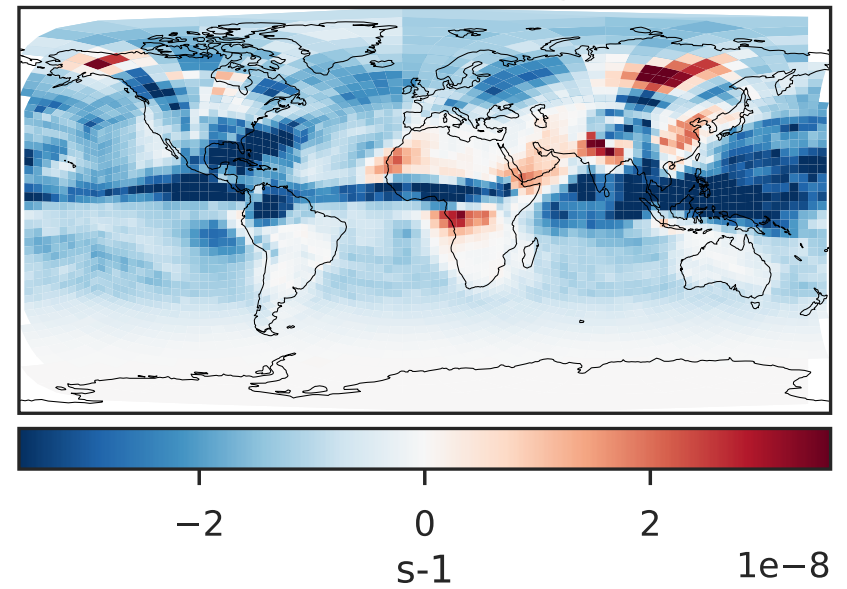
14.3.0-rc.0 (Dev)  
c24



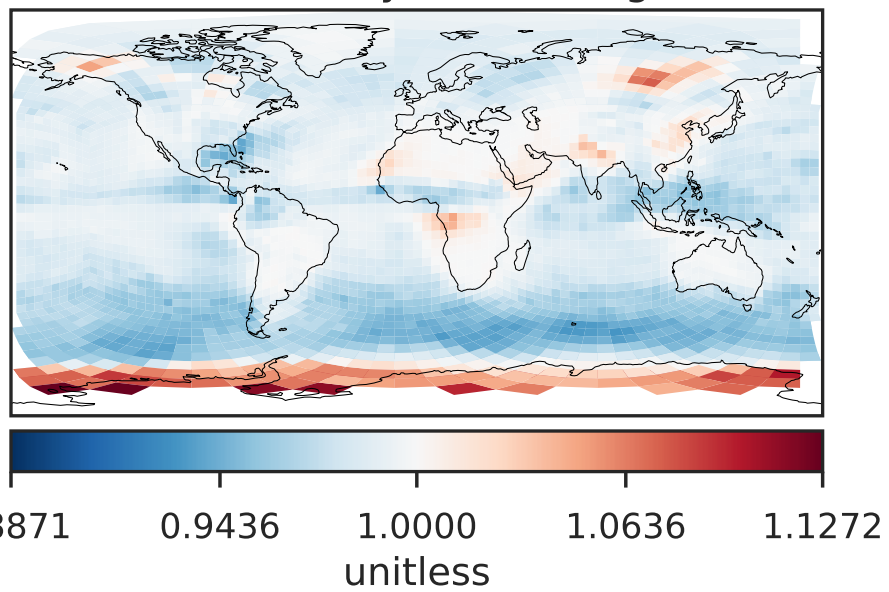
Difference  
Dev - Ref, Dynamic Range



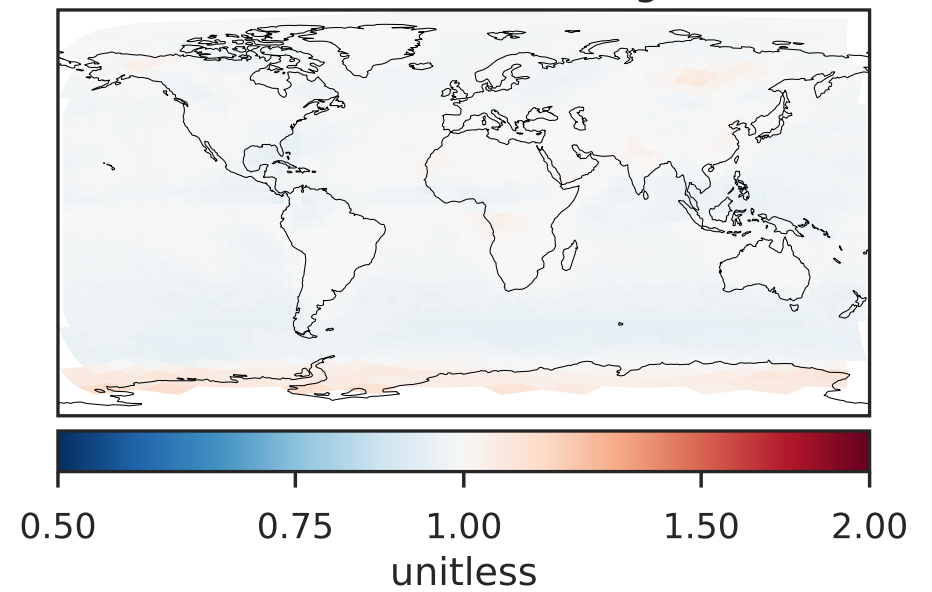
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

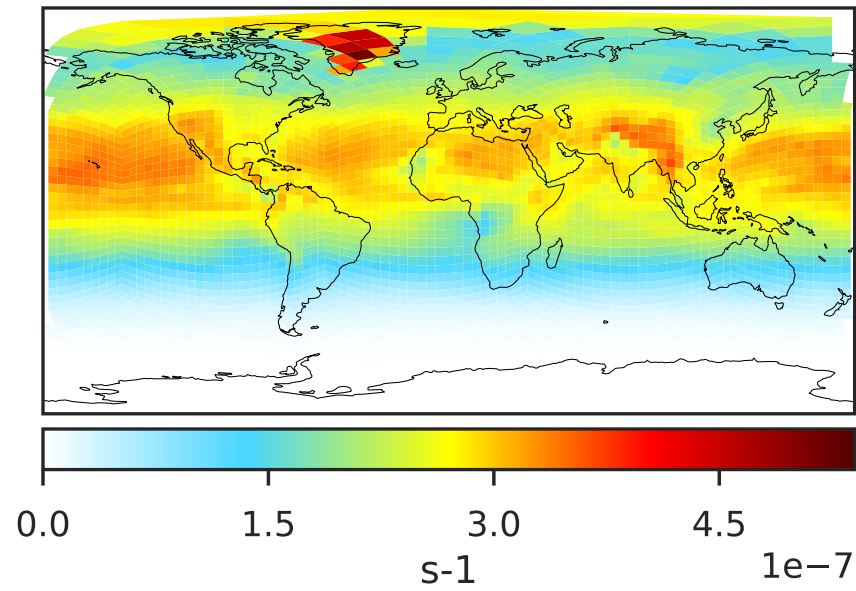


Ratio  
Dev/Ref, Fixed Range

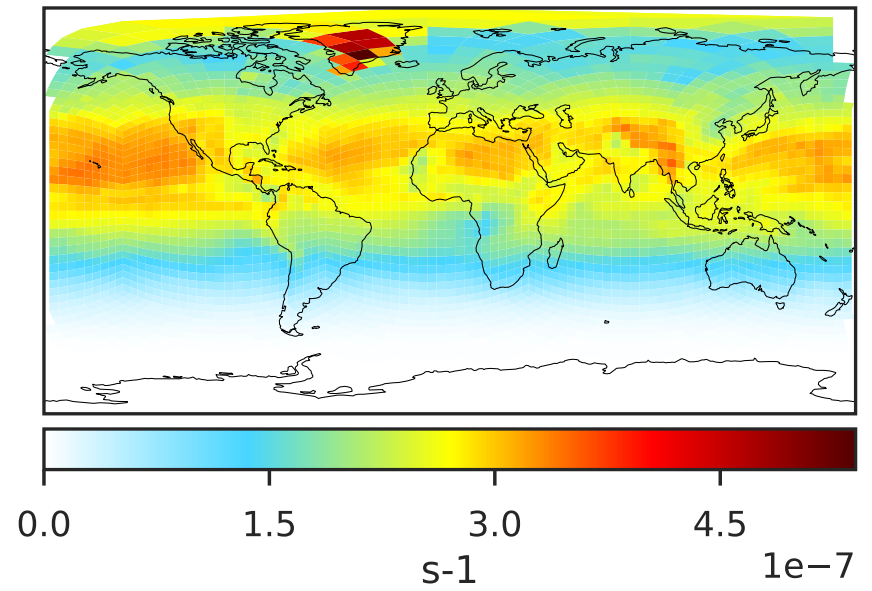


# Jval\_MENO3 (Jul2019)

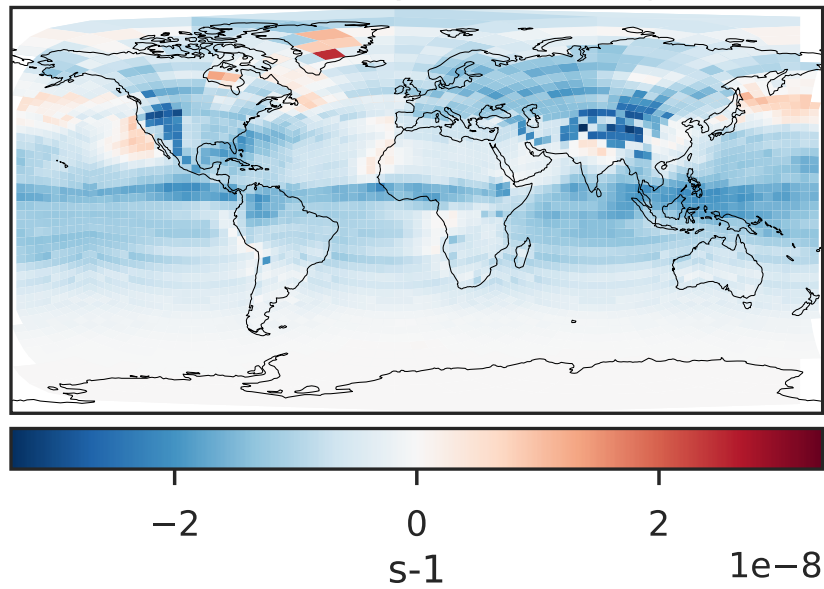
14.2.0-rc.2 (Ref)  
c24



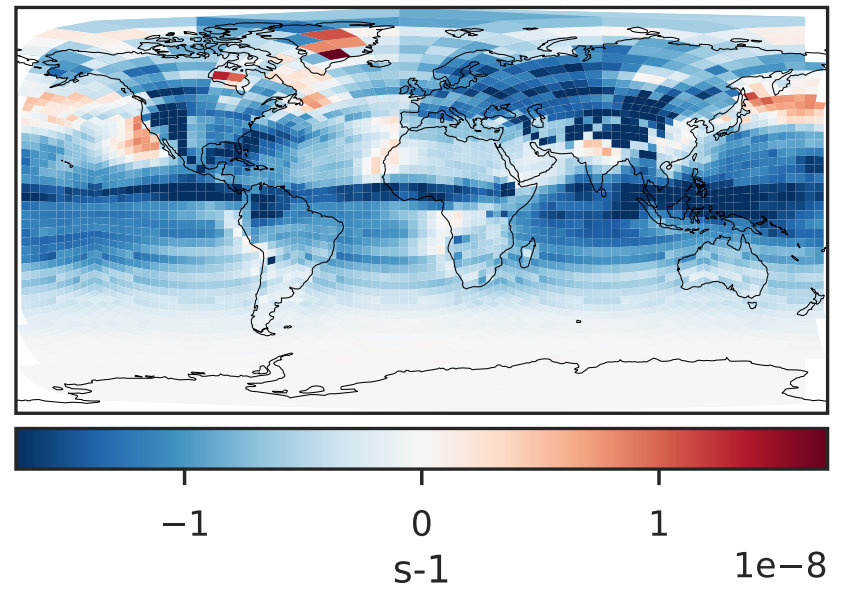
14.3.0-rc.0 (Dev)  
c24



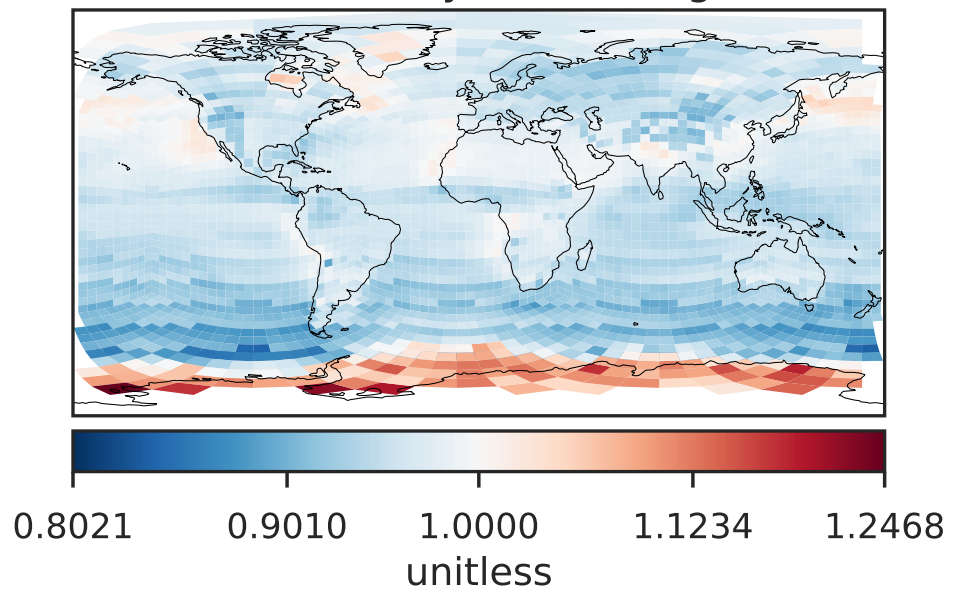
Difference  
Dev - Ref, Dynamic Range



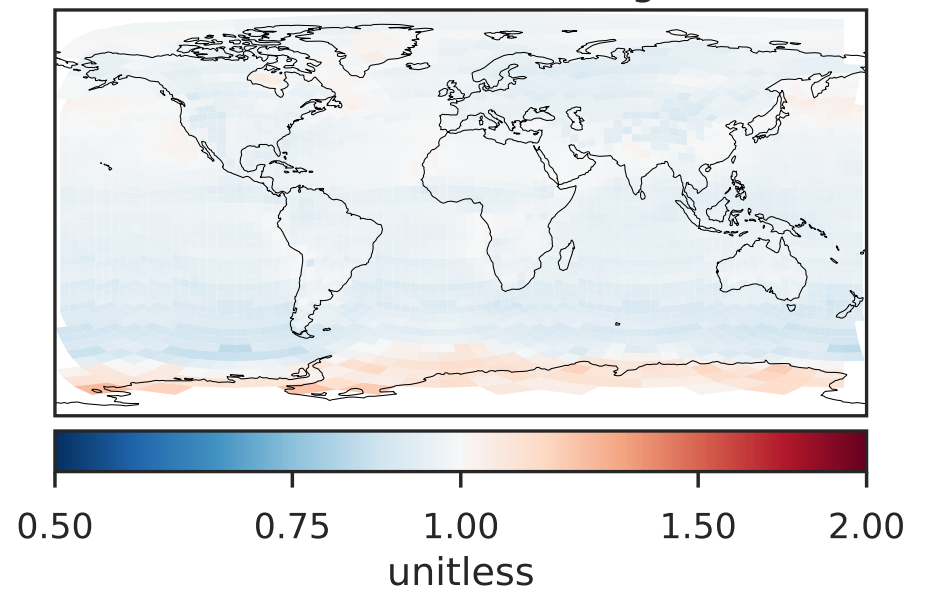
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



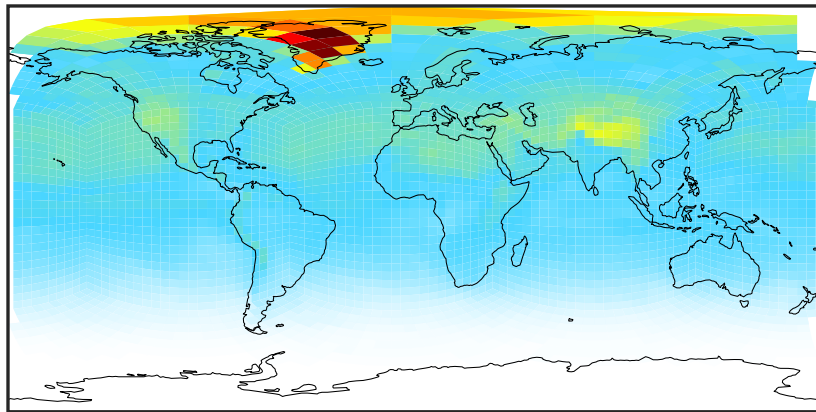
Ratio  
Dev/Ref, Fixed Range





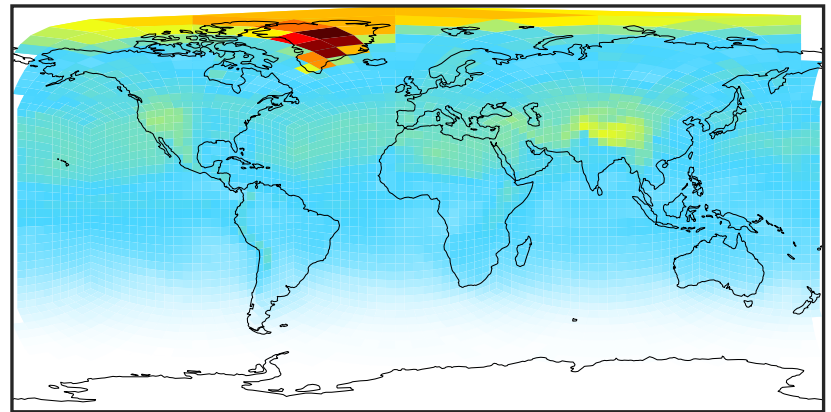
# Jval\_MGLY (Jul2019)

14.2.0-rc.2 (Ref)  
c24



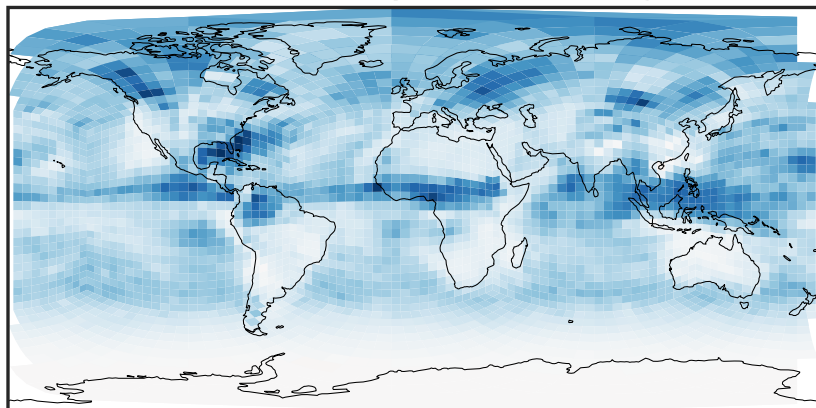
0.00000 0.00006 0.00012 0.00018  
s-1

14.3.0-rc.0 (Dev)  
c24



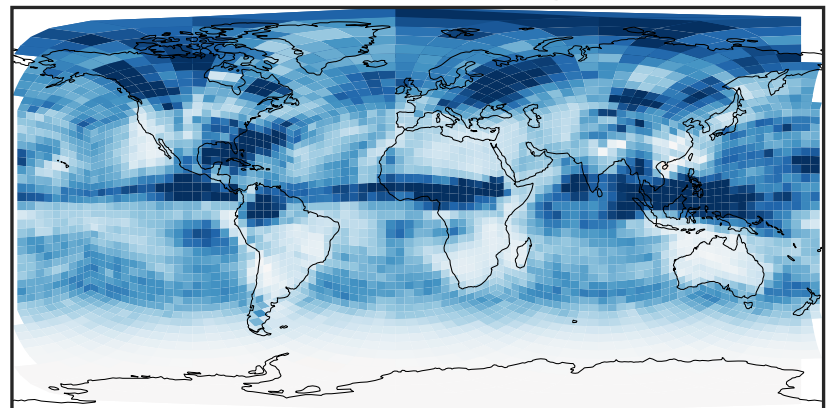
0.00000 0.00006 0.00012 0.00018  
s-1

Difference  
Dev - Ref, Dynamic Range



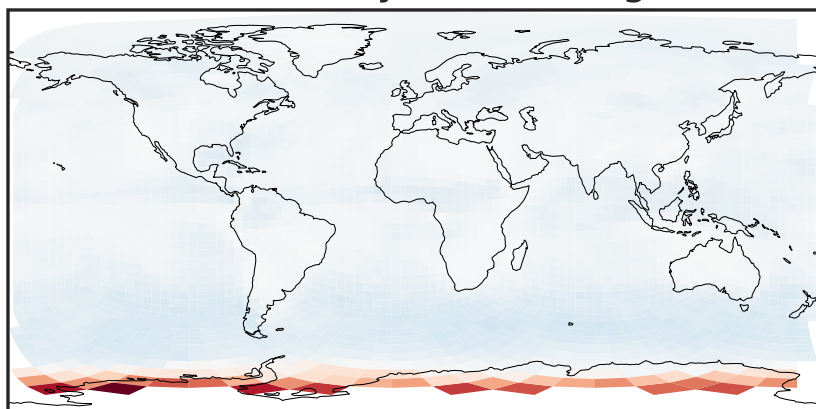
-2 0 2  
s-1 1e-6

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



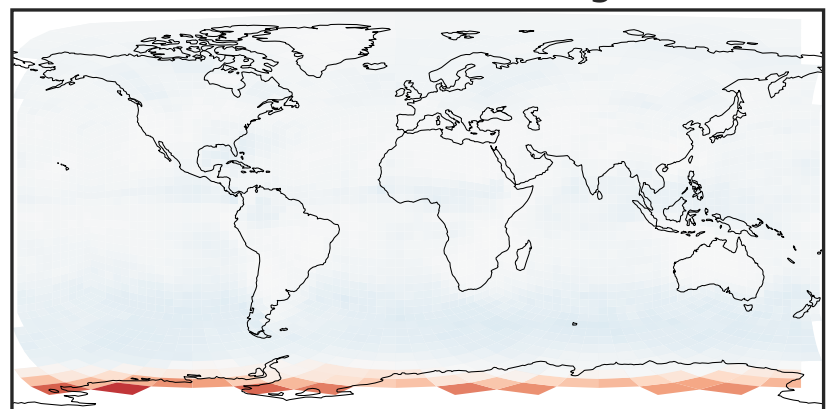
-1.5 0.0 1.5  
s-1 1e-6

Ratio  
Dev/Ref, Dynamic Range



0.608 0.804 1.000 1.322 1.644  
unitless

Ratio  
Dev/Ref, Fixed Range

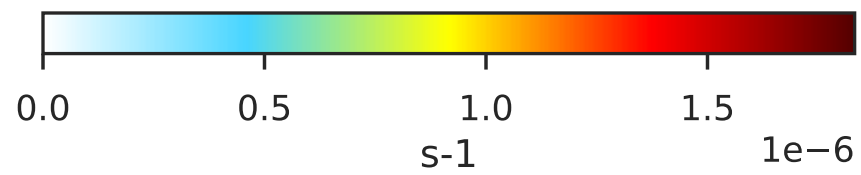
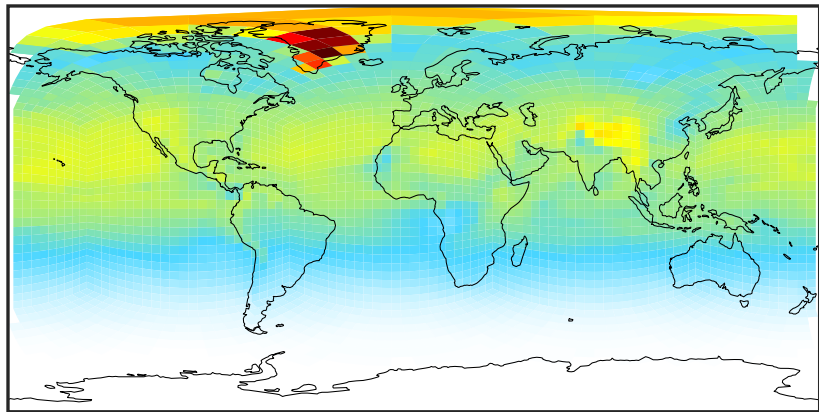


0.50 0.75 1.00 1.50 2.00  
unitless

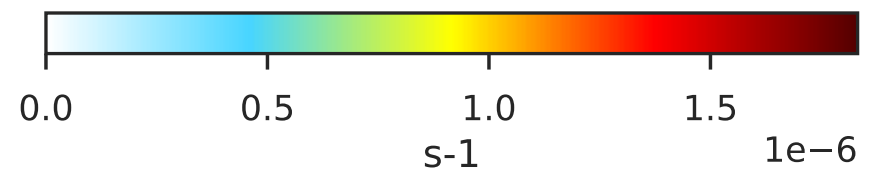
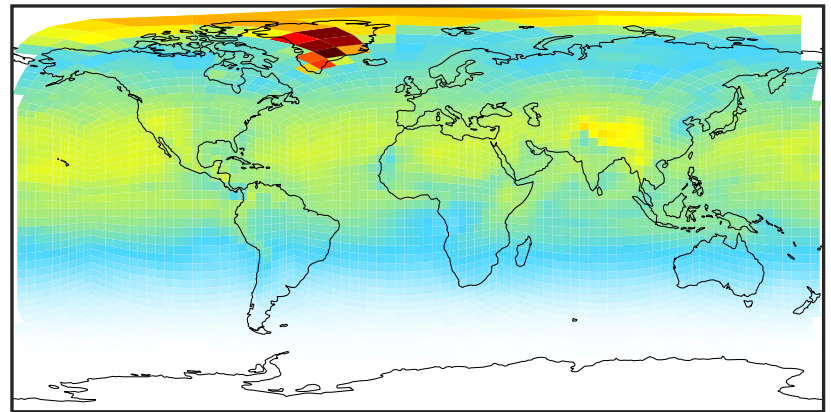


# Jval\_MONITS (Jul2019)

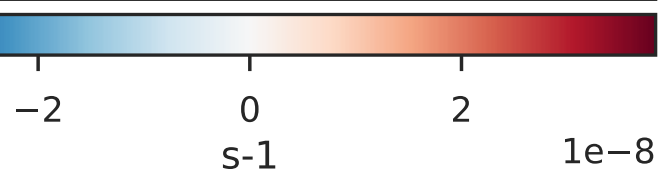
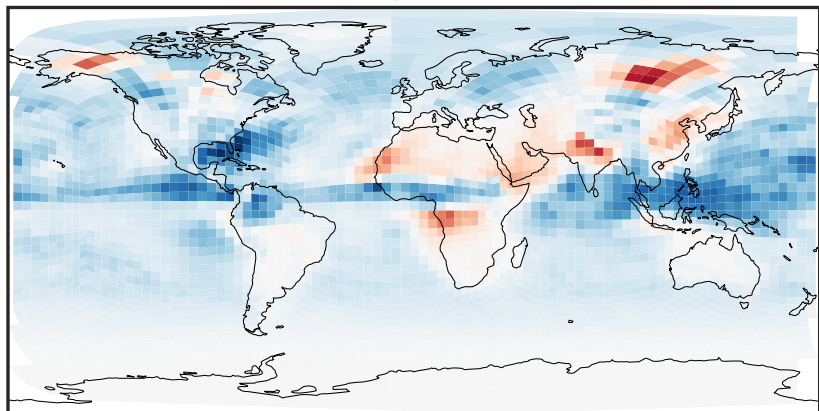
14.2.0-rc.2 (Ref)  
c24



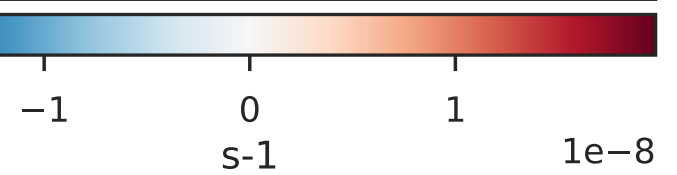
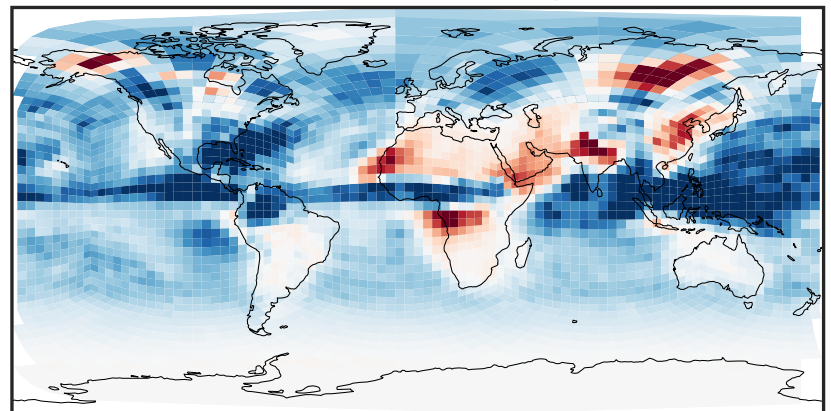
14.3.0-rc.0 (Dev)  
c24



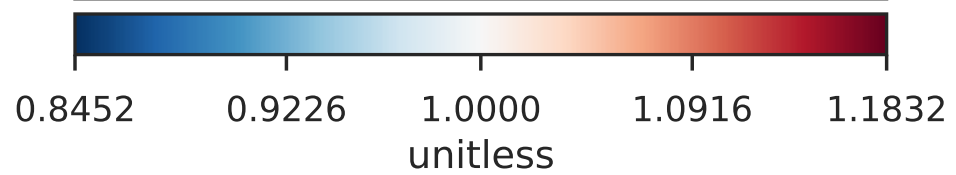
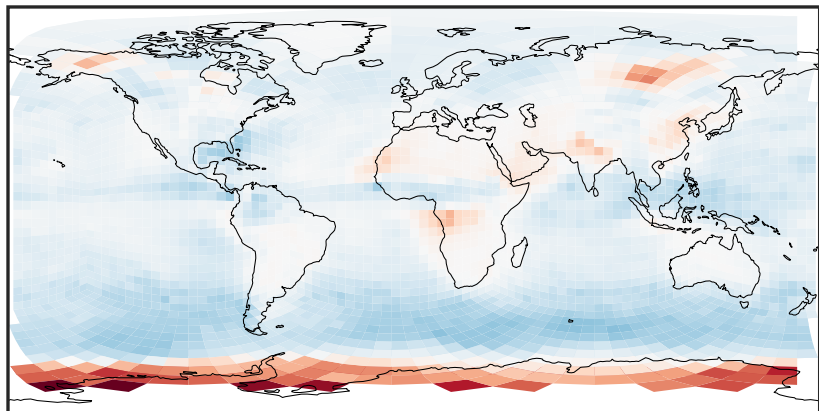
Difference  
Dev - Ref, Dynamic Range



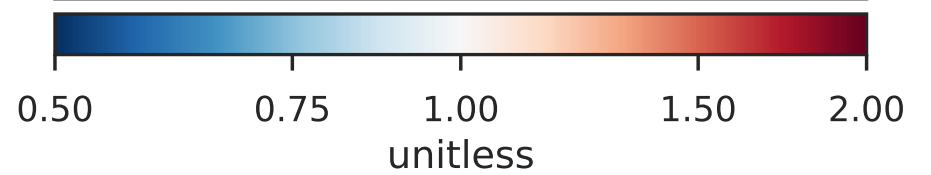
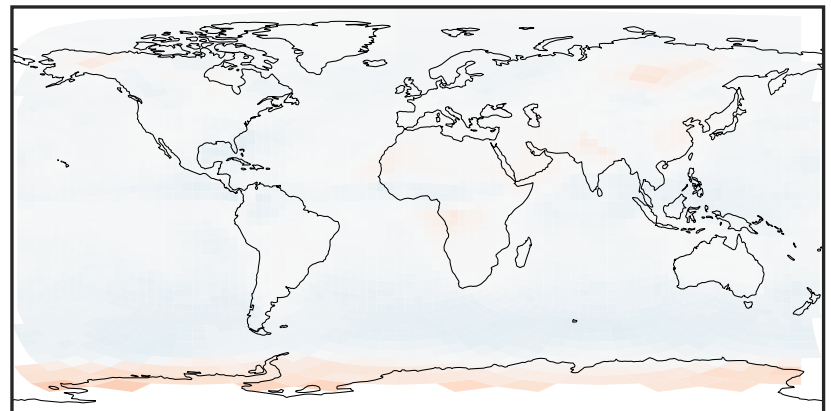
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

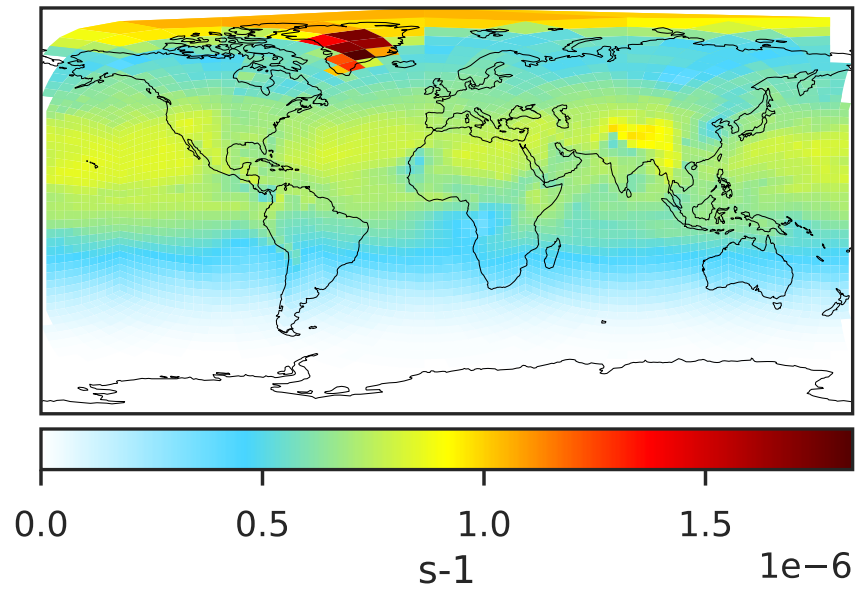


Ratio  
Dev/Ref, Fixed Range

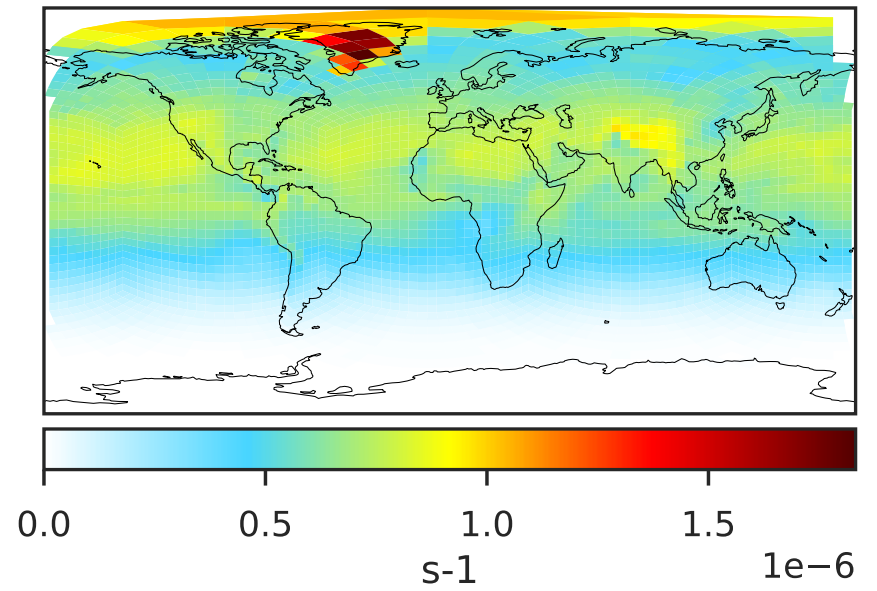


# Jval\_MONITU (Jul2019)

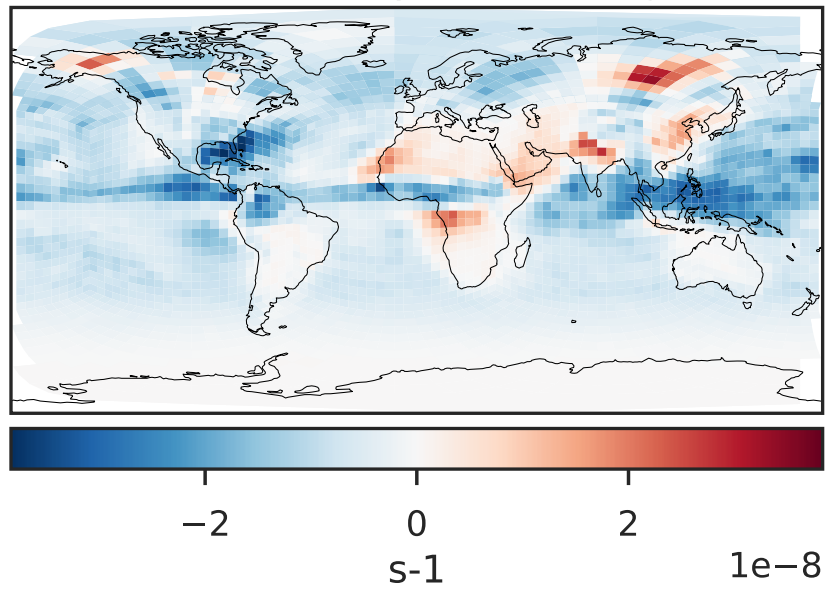
14.2.0-rc.2 (Ref)  
c24



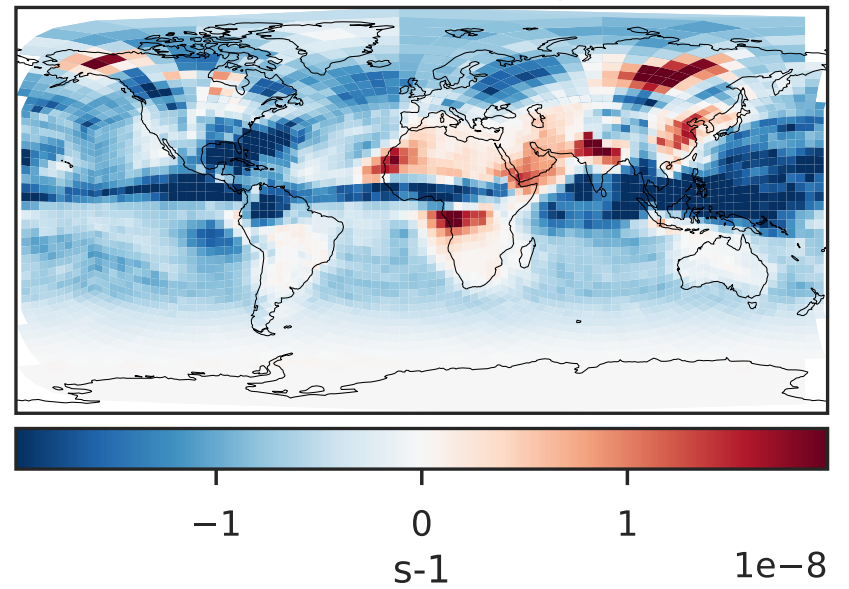
14.3.0-rc.0 (Dev)  
c24



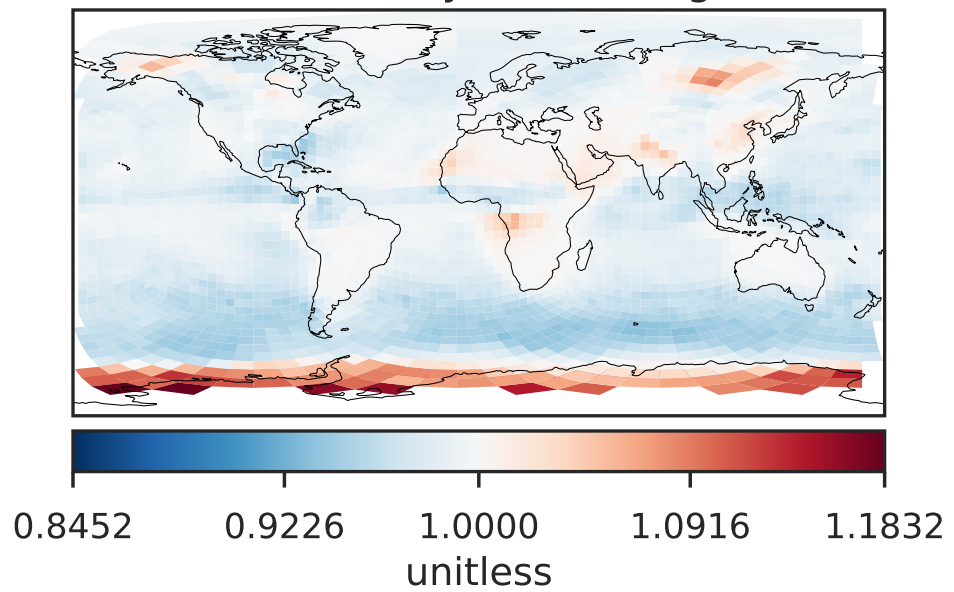
Difference  
Dev - Ref, Dynamic Range



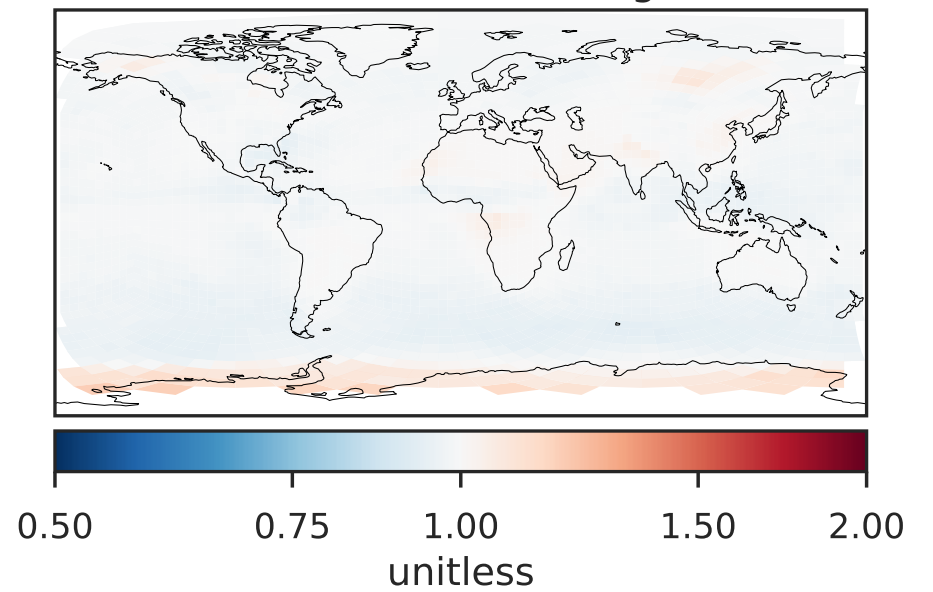
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



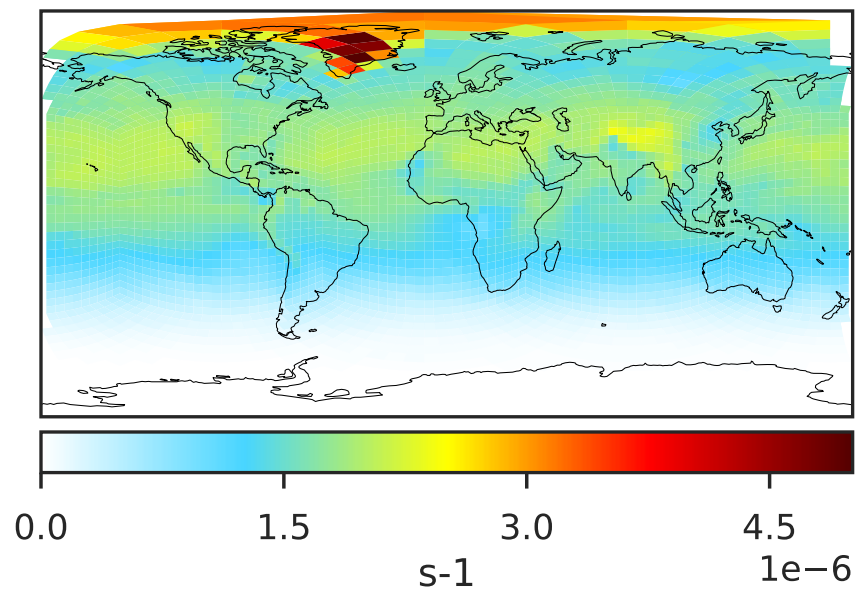
Ratio  
Dev/Ref, Fixed Range



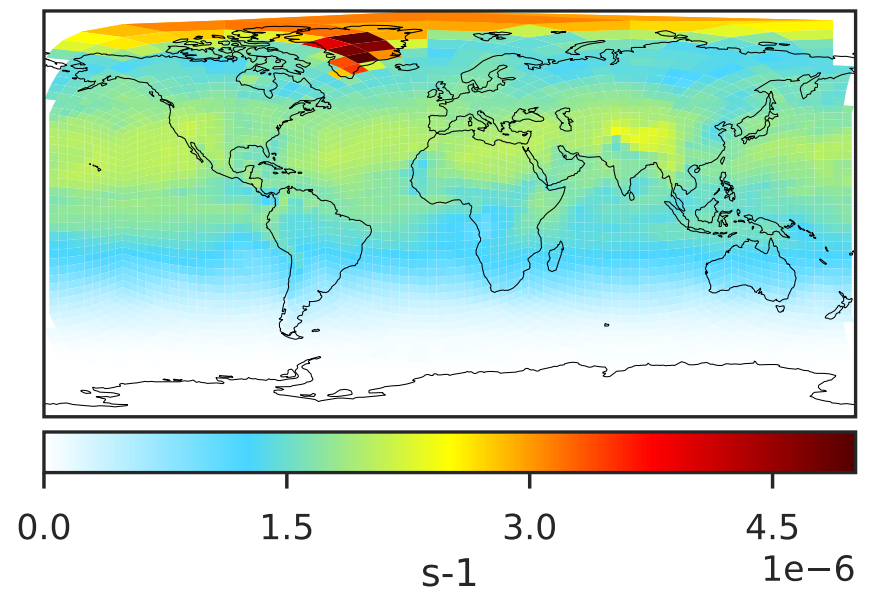


# Jval\_MP (Jul2019)

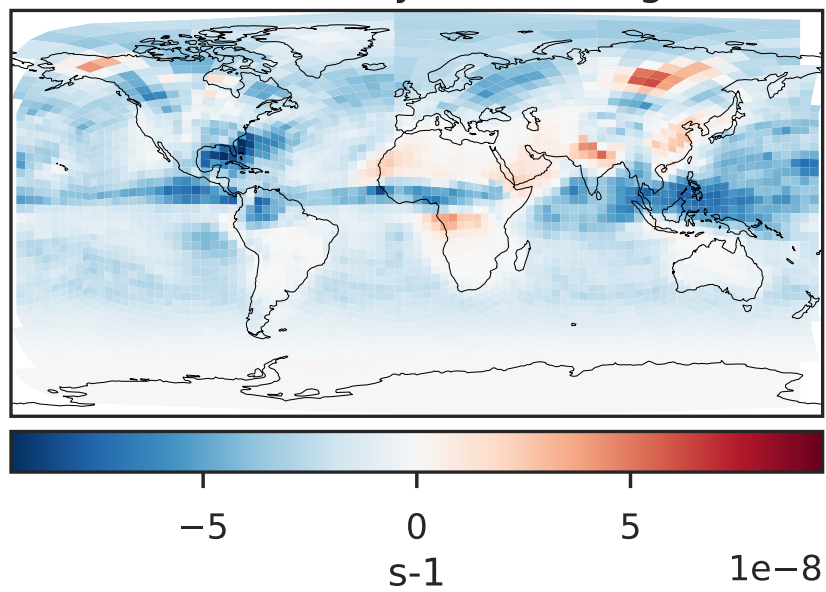
14.2.0-rc.2 (Ref)  
c24



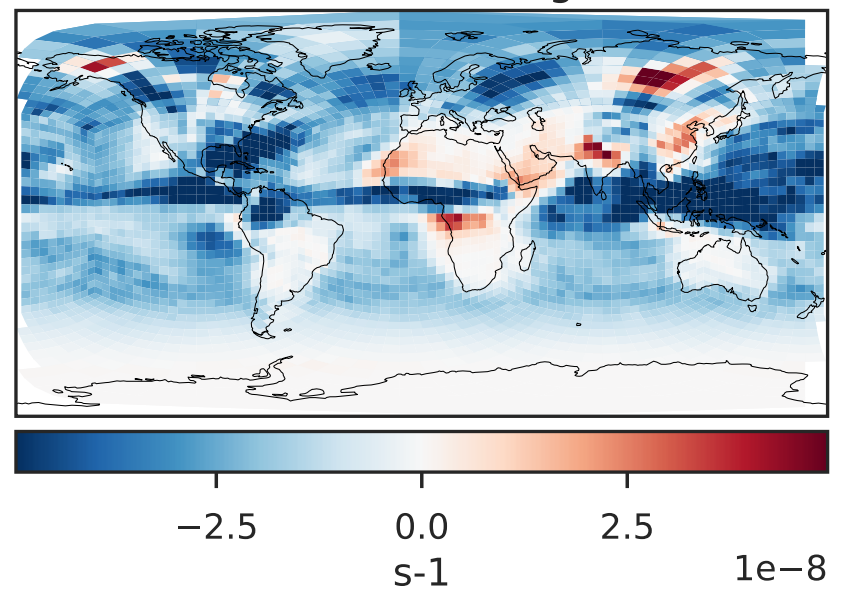
14.3.0-rc.0 (Dev)  
c24



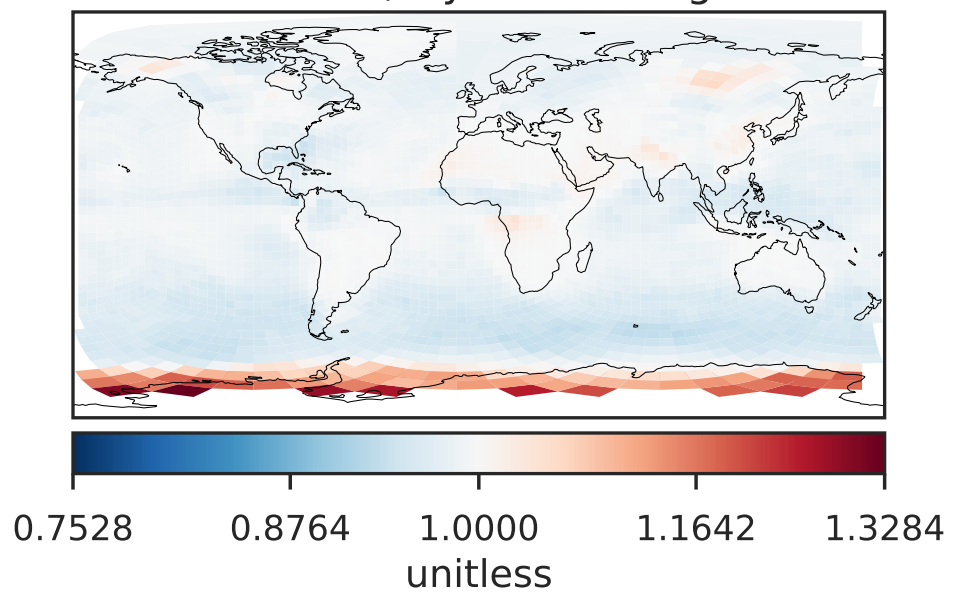
Difference  
Dev - Ref, Dynamic Range



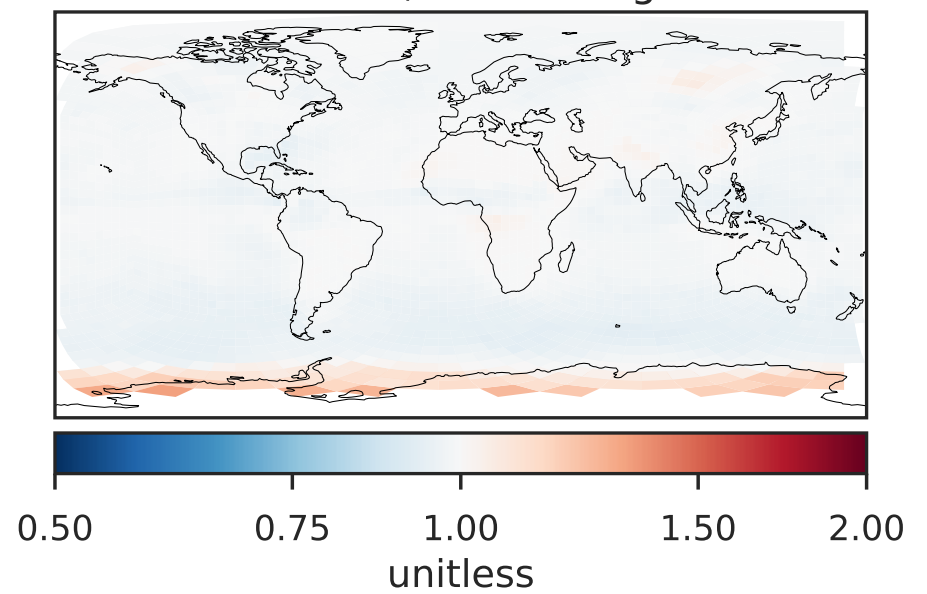
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



Ratio  
Dev/Ref, Fixed Range





# Jval\_MPAN (Jul2019)

14.2.0-rc.2 (Ref)  
c24



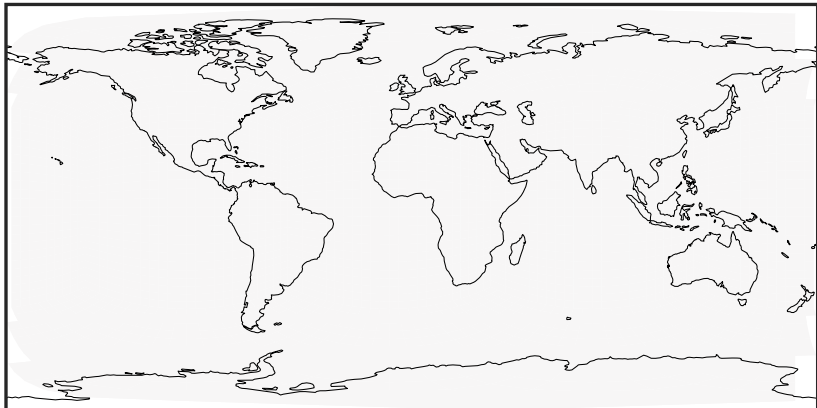
Zero throughput domain  
s-1

14.3.0-rc.0 (Dev)  
c24



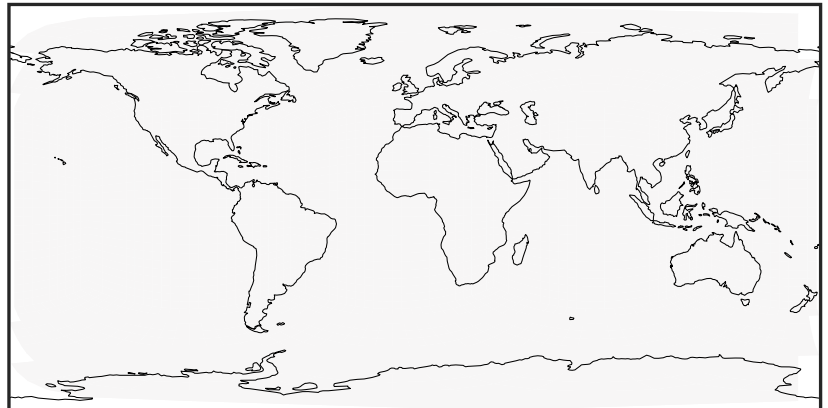
Zero throughput domain  
s-1

Difference  
Dev - Ref, Dynamic Range



Zero throughput domain  
s-1

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



Zero throughput domain  
s-1

Ratio  
Dev/Ref, Dynamic Range



Undefined throughput domain  
unitless

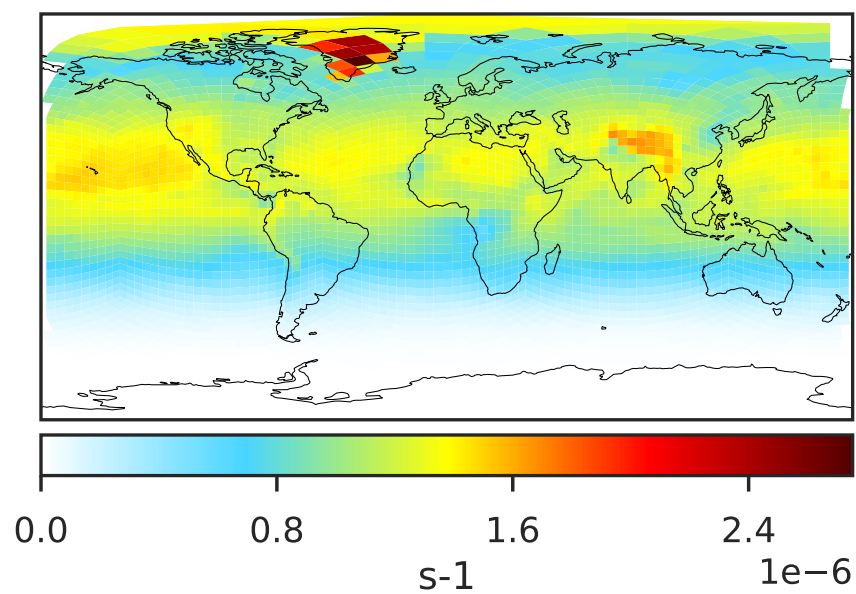
Ratio  
Dev/Ref, Fixed Range



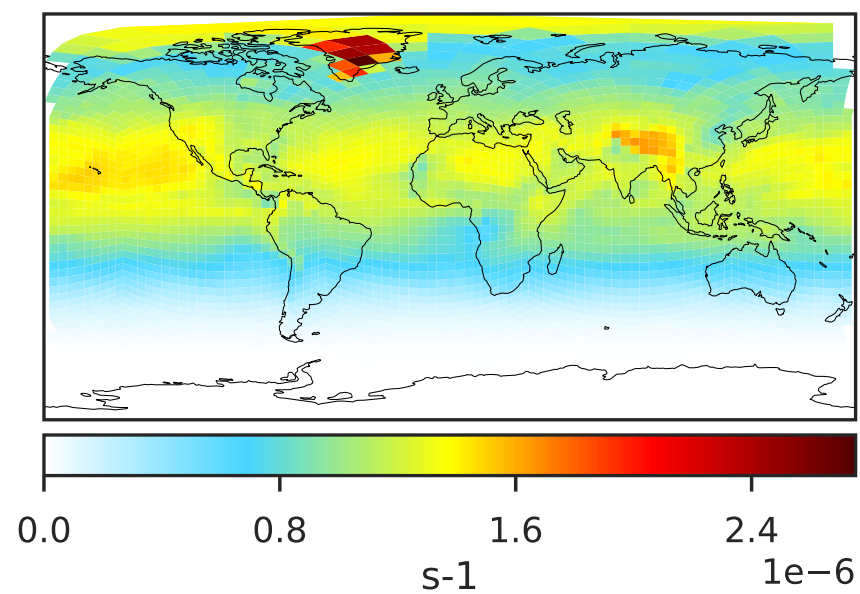
Undefined throughput domain  
unitless

# Jval\_MPN (Jul2019)

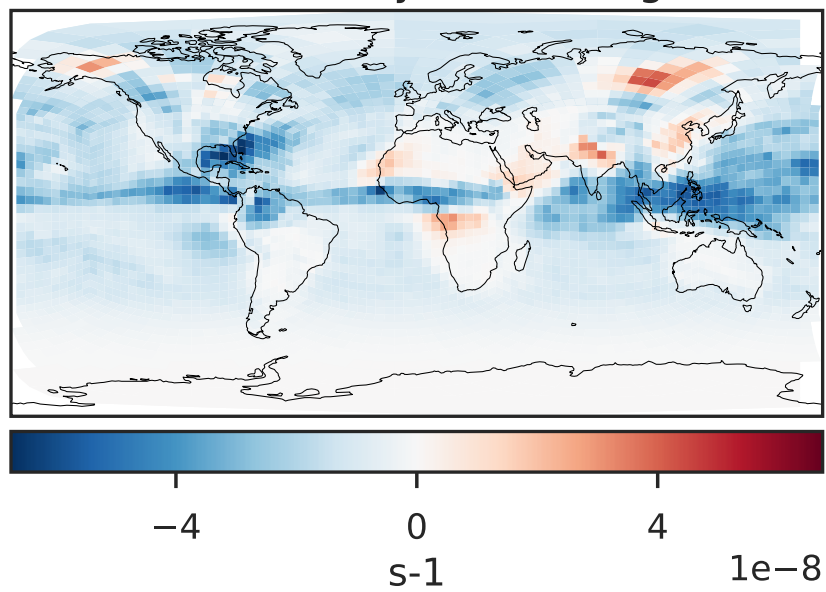
14.2.0-rc.2 (Ref)  
c24



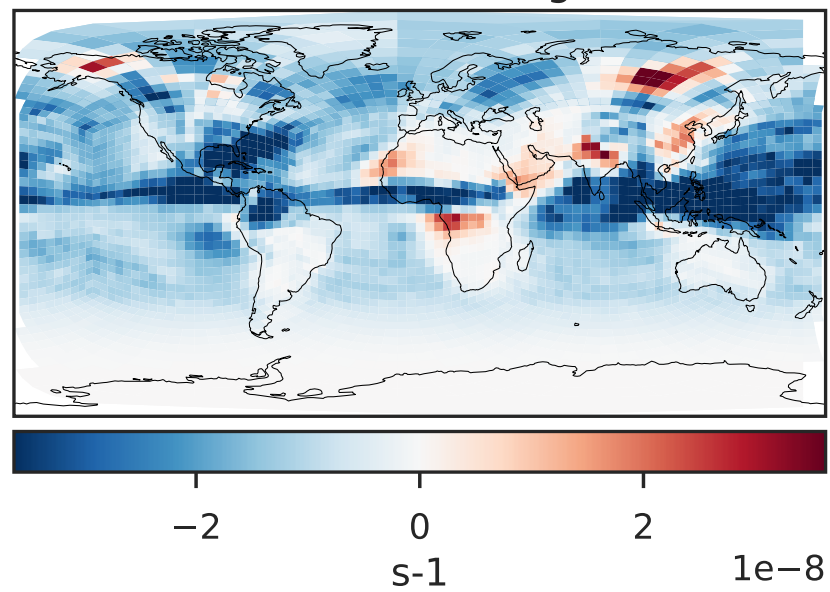
14.3.0-rc.0 (Dev)  
c24



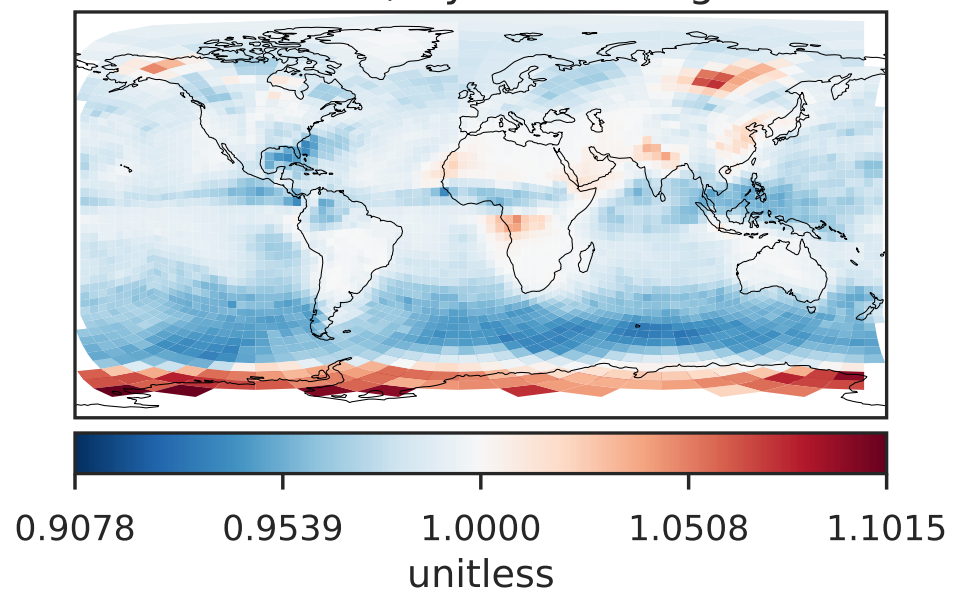
Difference  
Dev - Ref, Dynamic Range



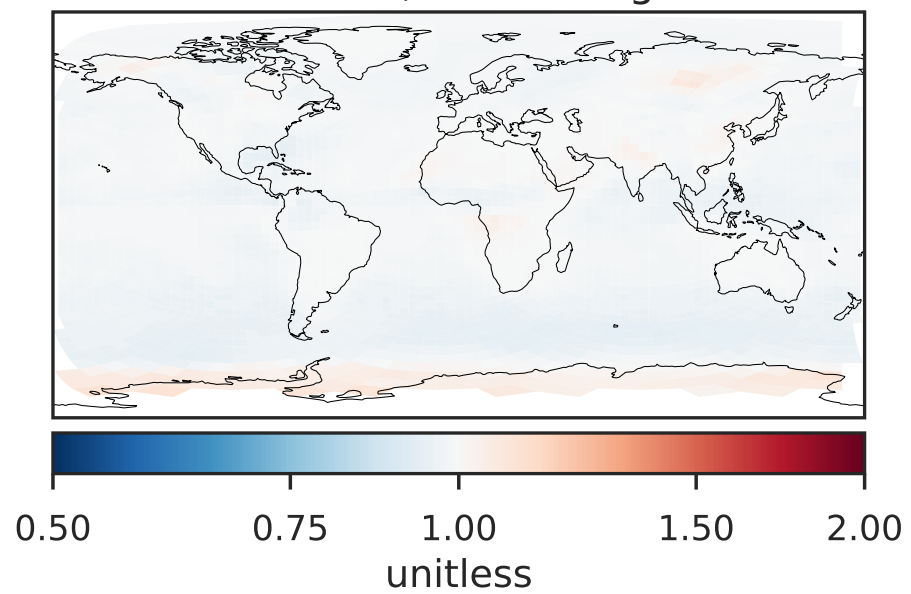
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

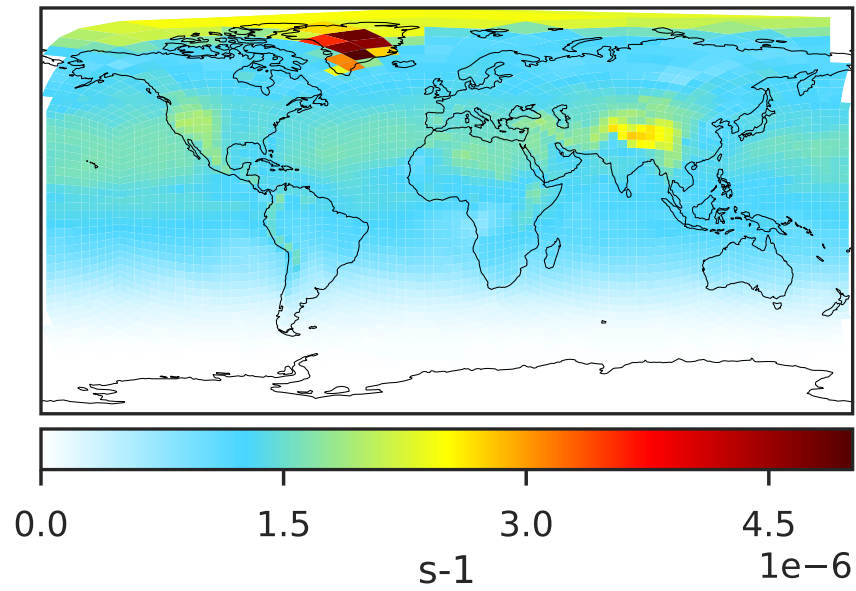


Ratio  
Dev/Ref, Fixed Range

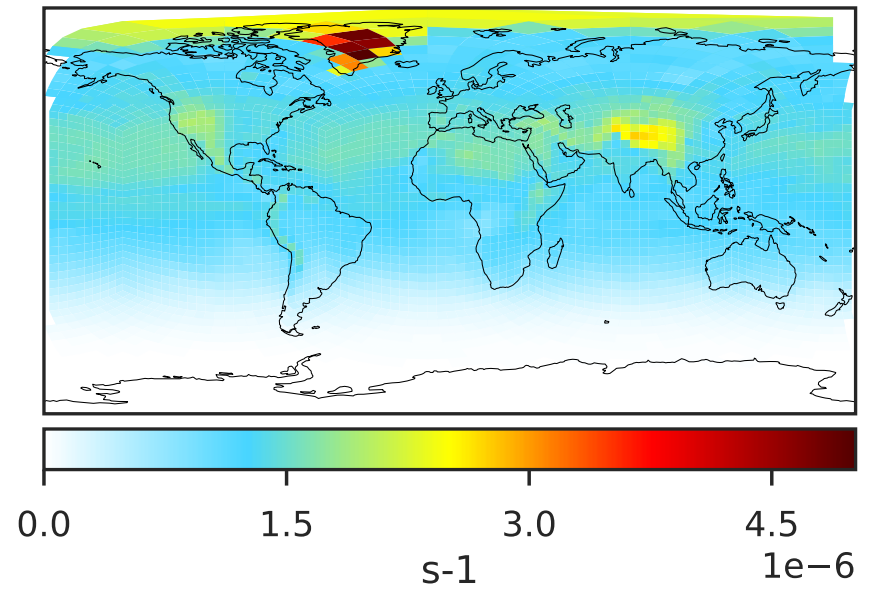


# Jval\_MVK (Jul2019)

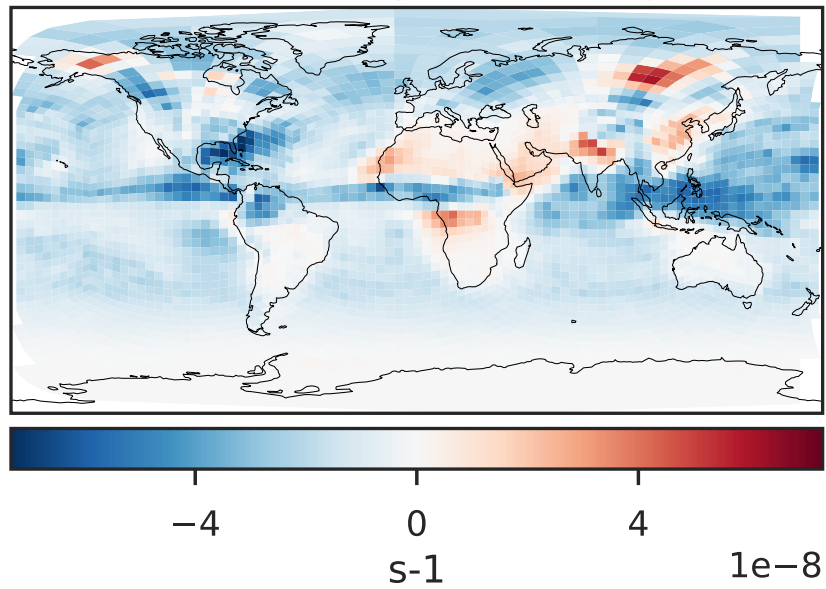
14.2.0-rc.2 (Ref)  
c24



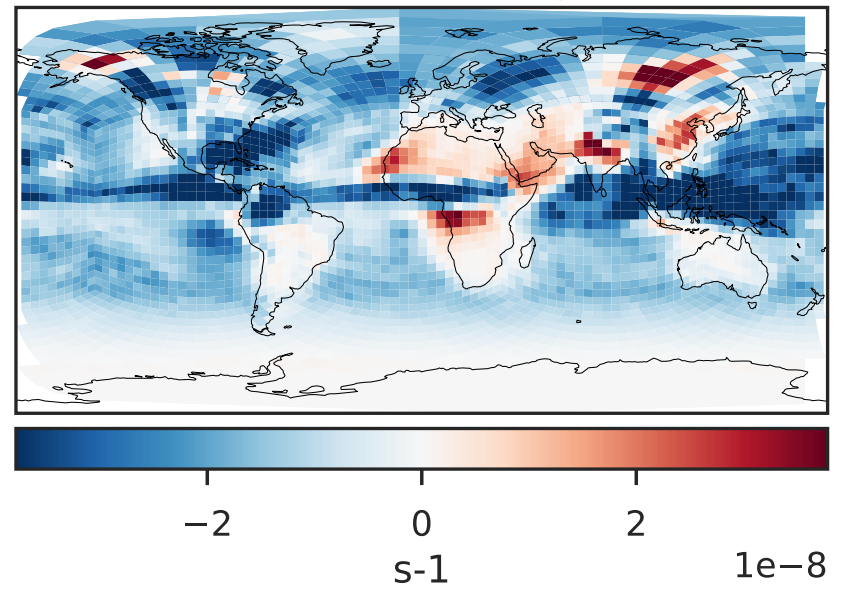
14.3.0-rc.0 (Dev)  
c24



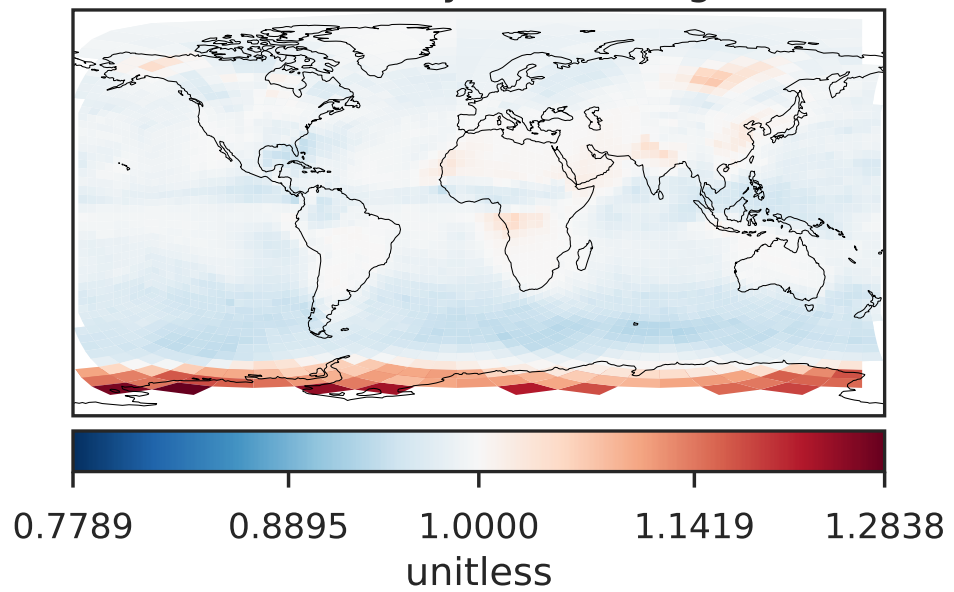
Difference  
Dev - Ref, Dynamic Range



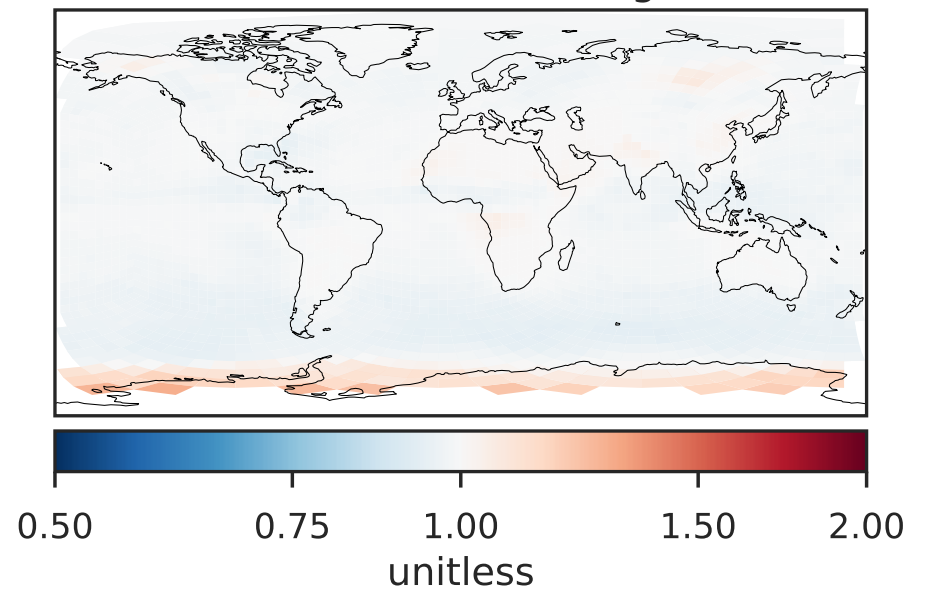
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



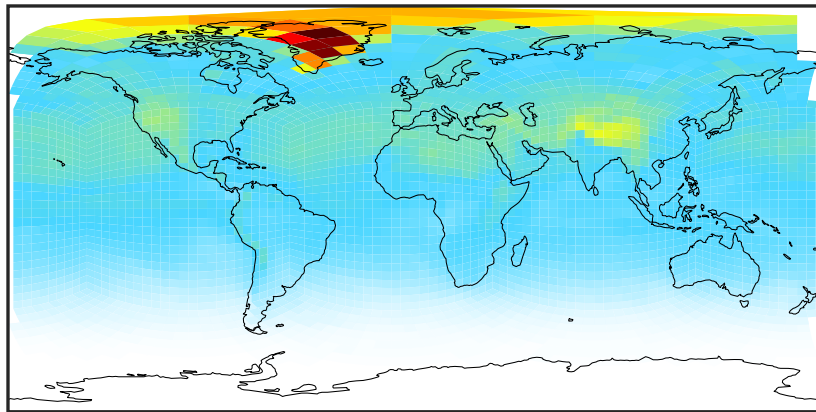
Ratio  
Dev/Ref, Fixed Range





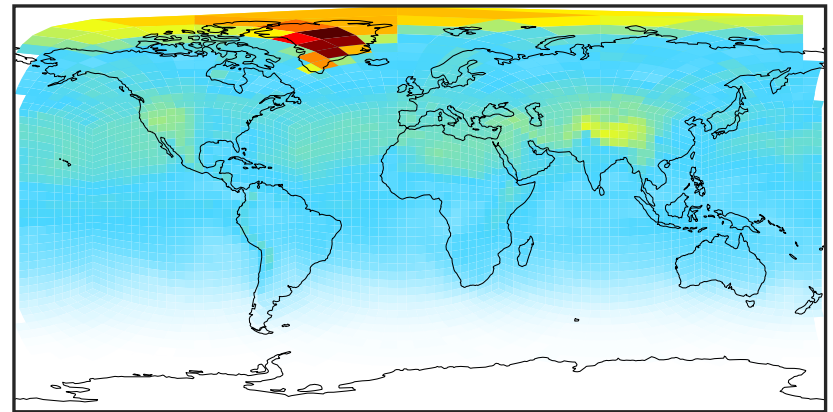
# Jval\_MVKHC (Jul2019)

14.2.0-rc.2 (Ref)  
c24



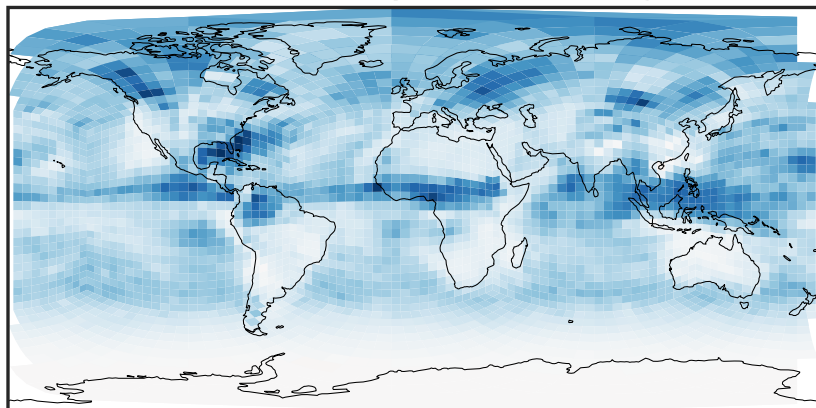
0.00000 0.00006 0.00012 0.00018  
s-1

14.3.0-rc.0 (Dev)  
c24



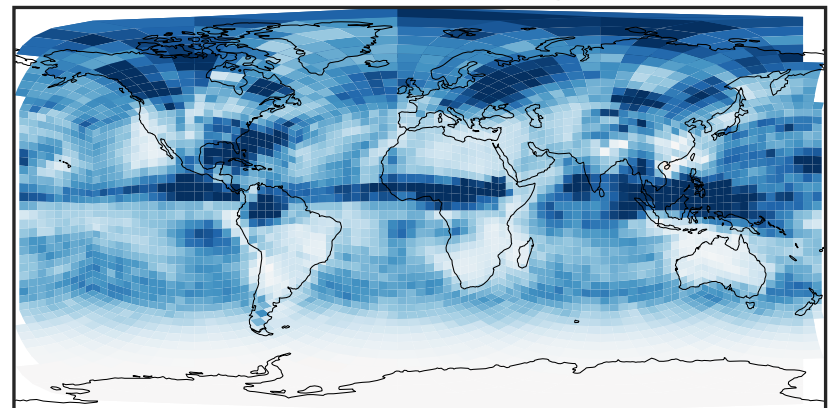
0.00000 0.00006 0.00012 0.00018  
s-1

Difference  
Dev - Ref, Dynamic Range



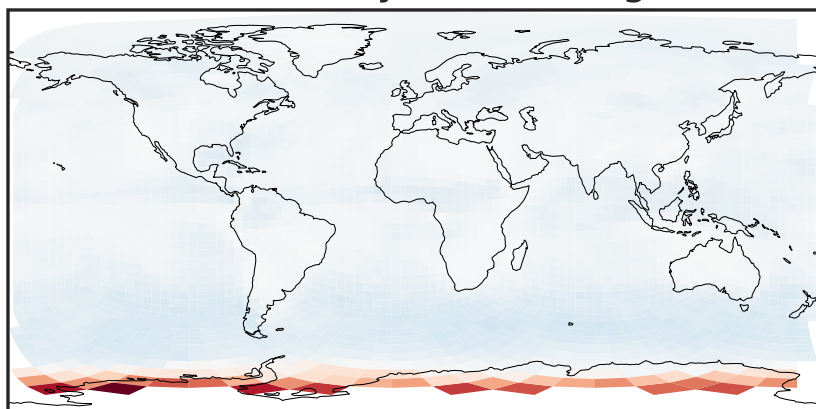
-2 0 2  
s-1  $1e-6$

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



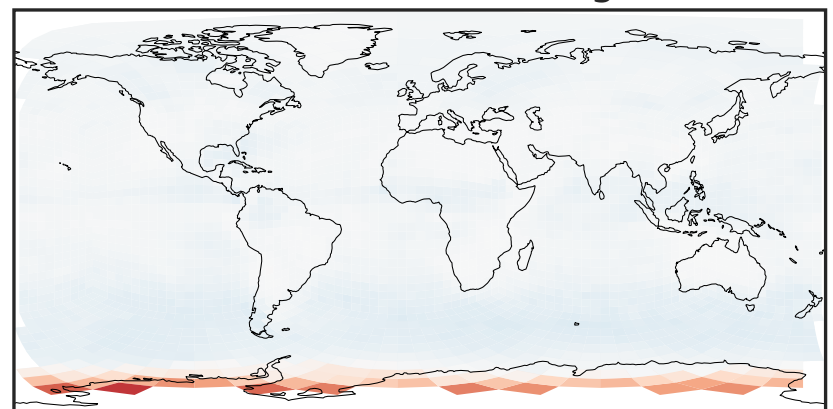
-1.5 0.0 1.5  
s-1  $1e-6$

Ratio  
Dev/Ref, Dynamic Range



0.608 0.804 1.000 1.322 1.644  
unitless

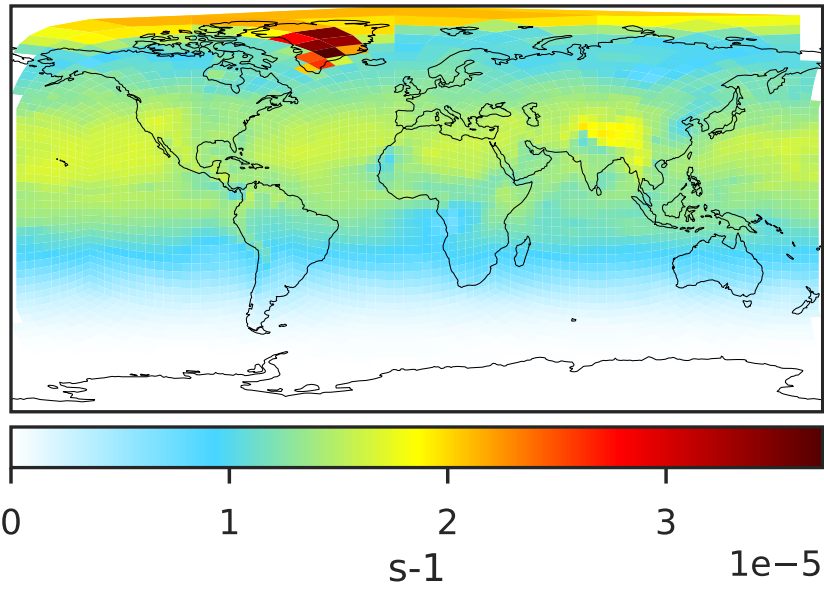
Ratio  
Dev/Ref, Fixed Range



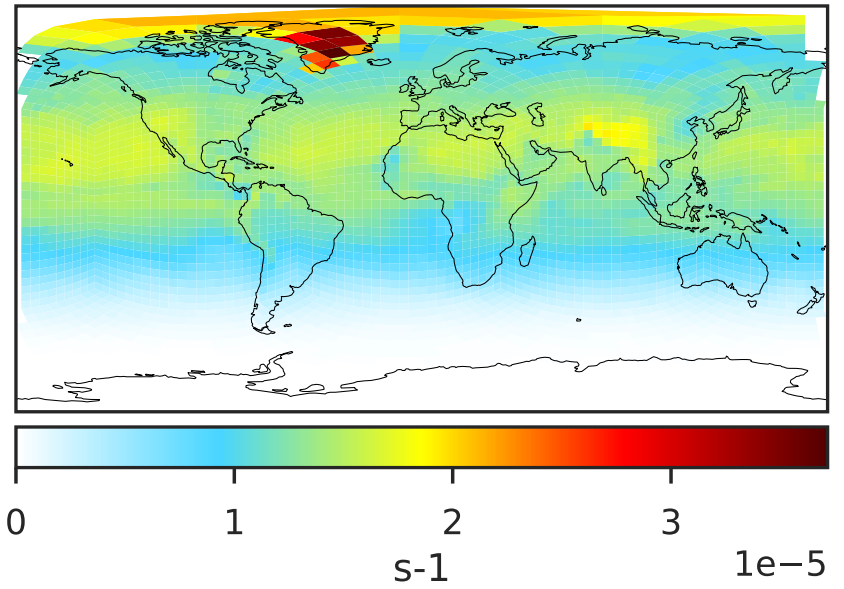
0.50 0.75 1.00 1.50 2.00  
unitless

# Jval\_MVKHCB (Jul2019)

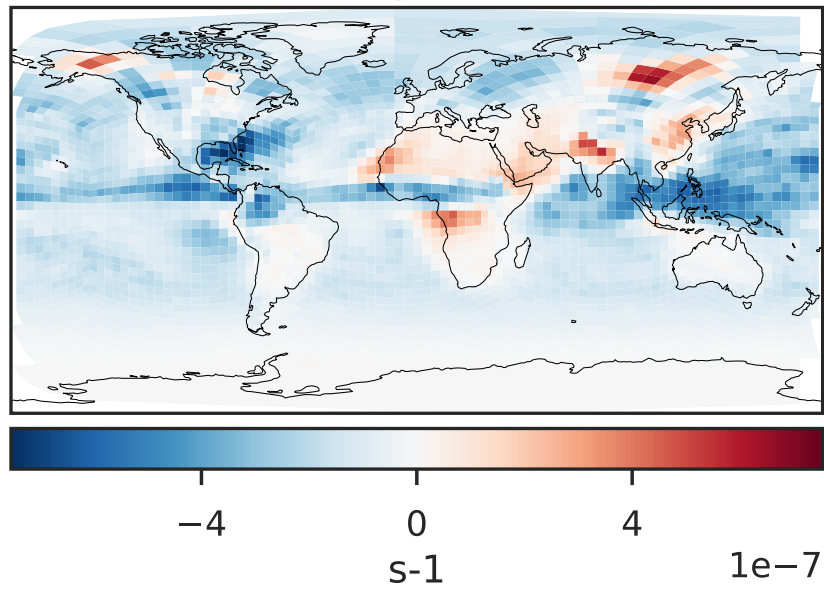
14.2.0-rc.2 (Ref)  
c24



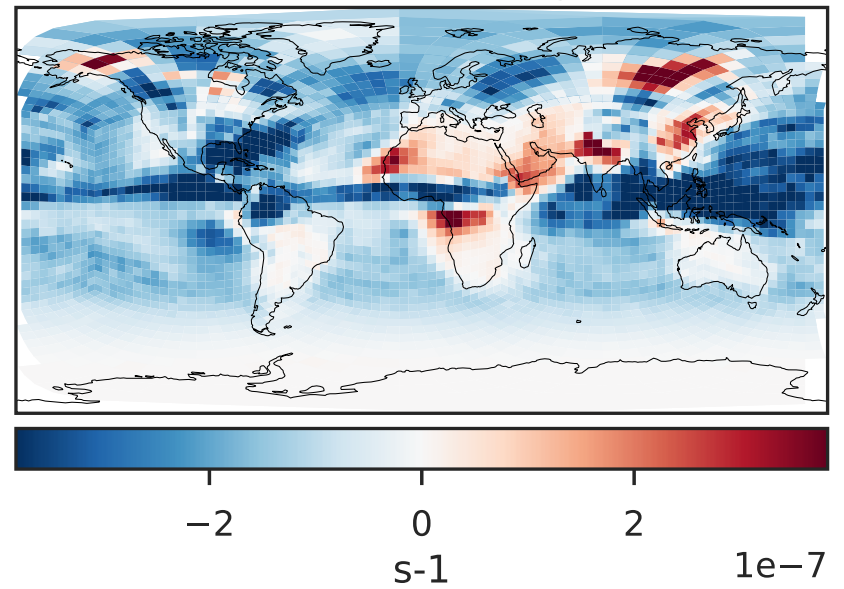
14.3.0-rc.0 (Dev)  
c24



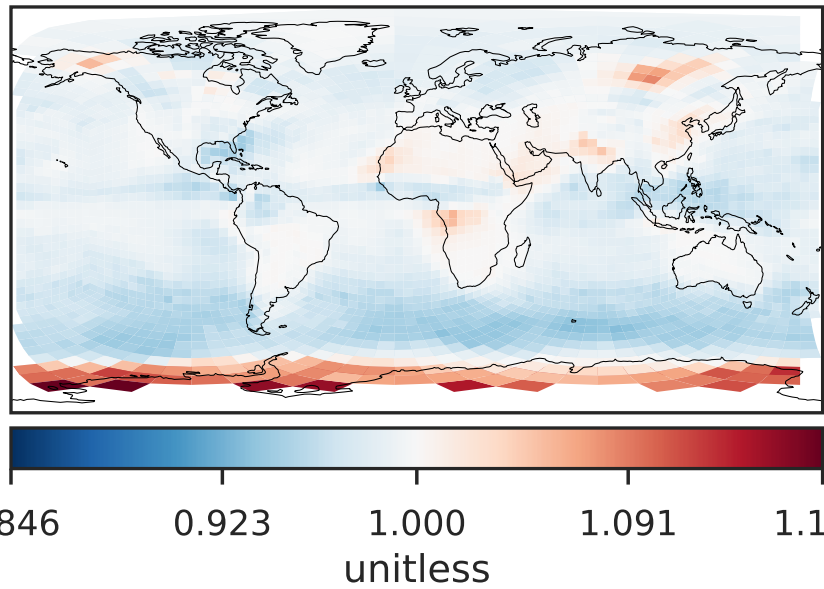
Difference  
Dev - Ref, Dynamic Range



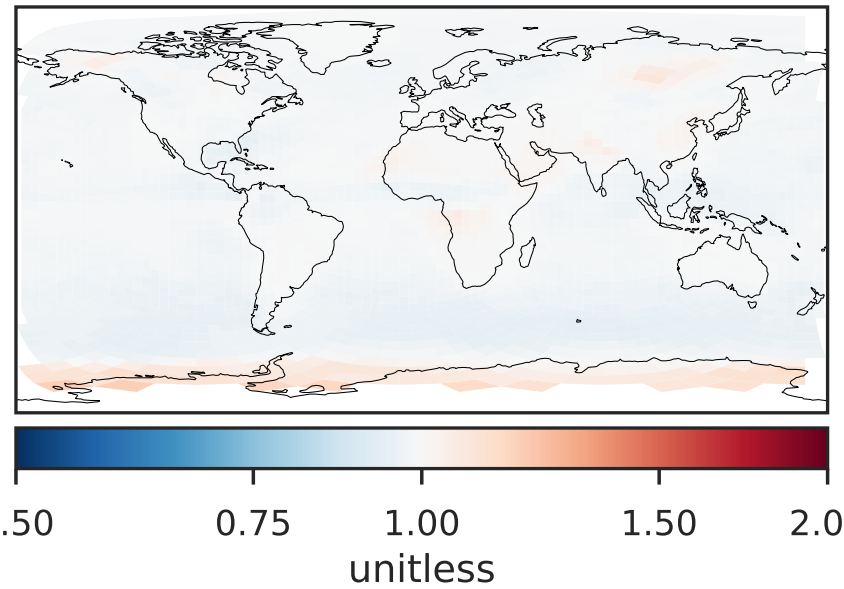
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



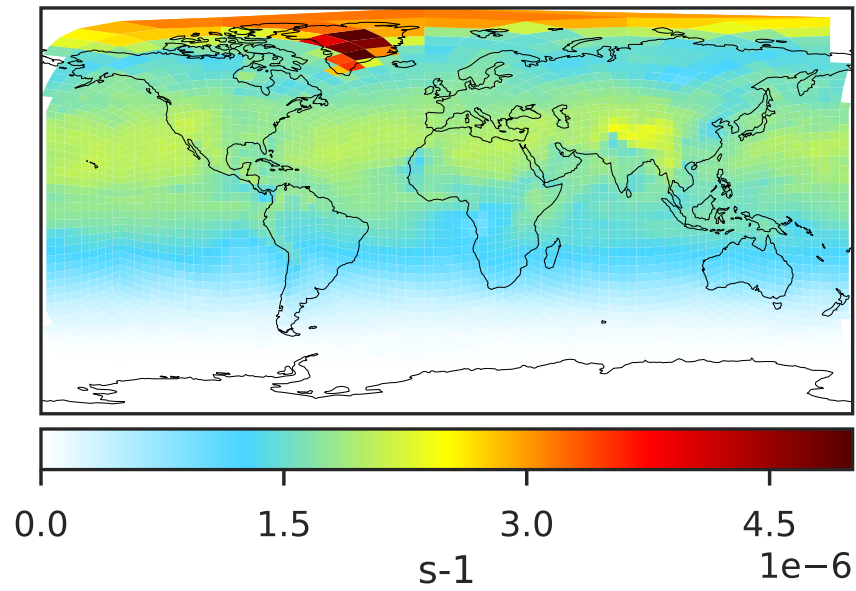
Ratio  
Dev/Ref, Fixed Range



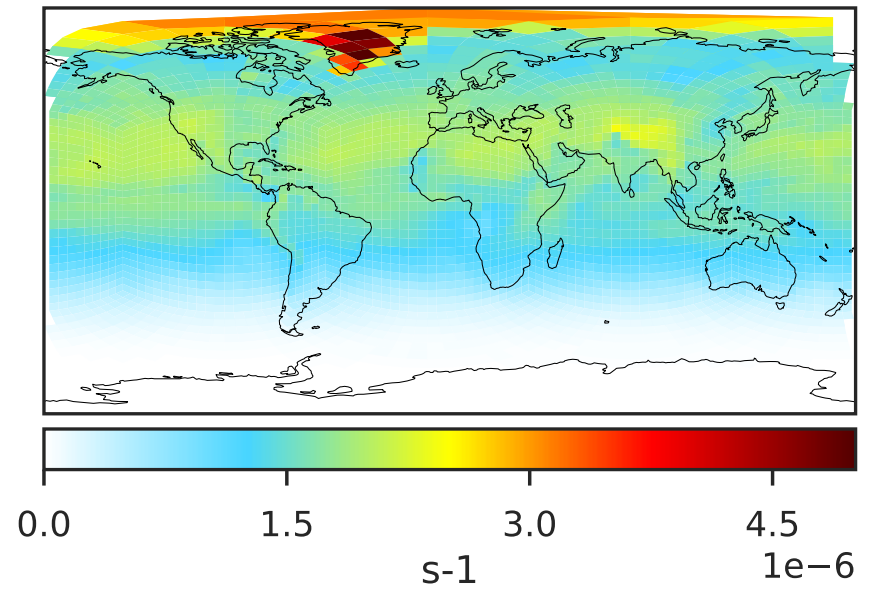


# Jval\_MVKHP (Jul2019)

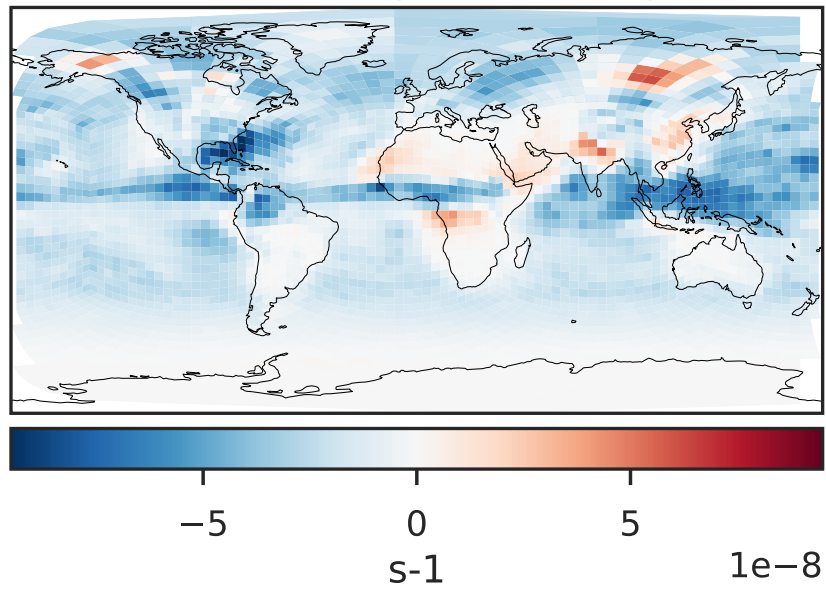
14.2.0-rc.2 (Ref)  
c24



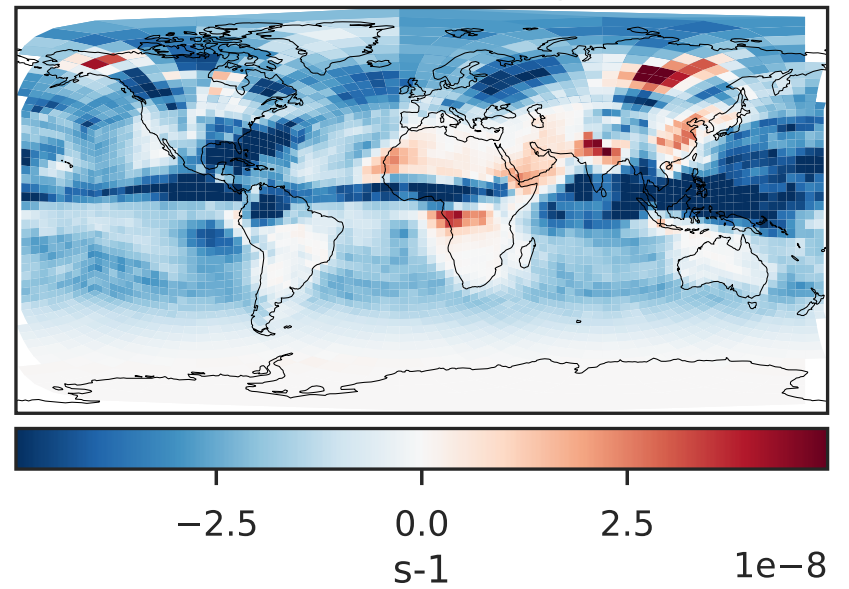
14.3.0-rc.0 (Dev)  
c24



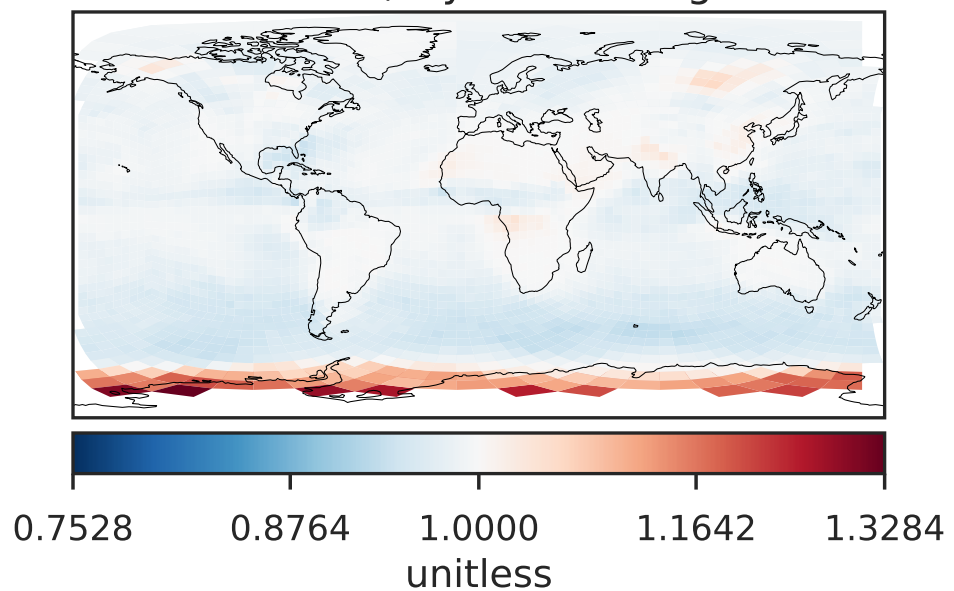
Difference  
Dev - Ref, Dynamic Range



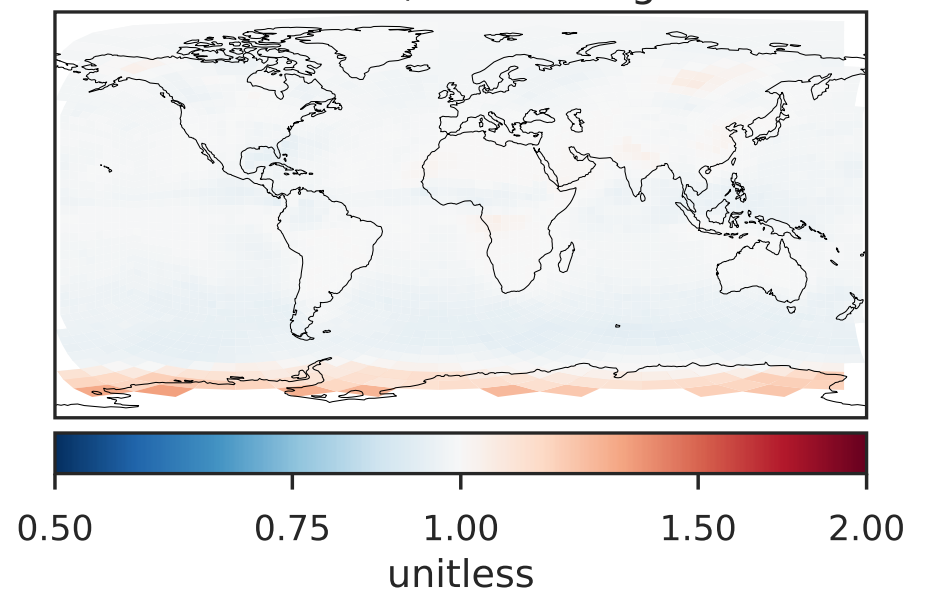
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



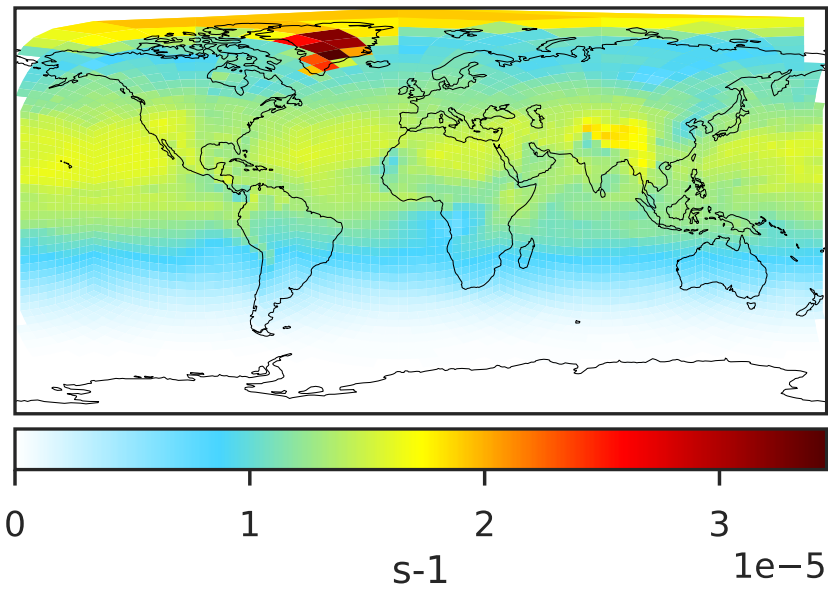
Ratio  
Dev/Ref, Fixed Range



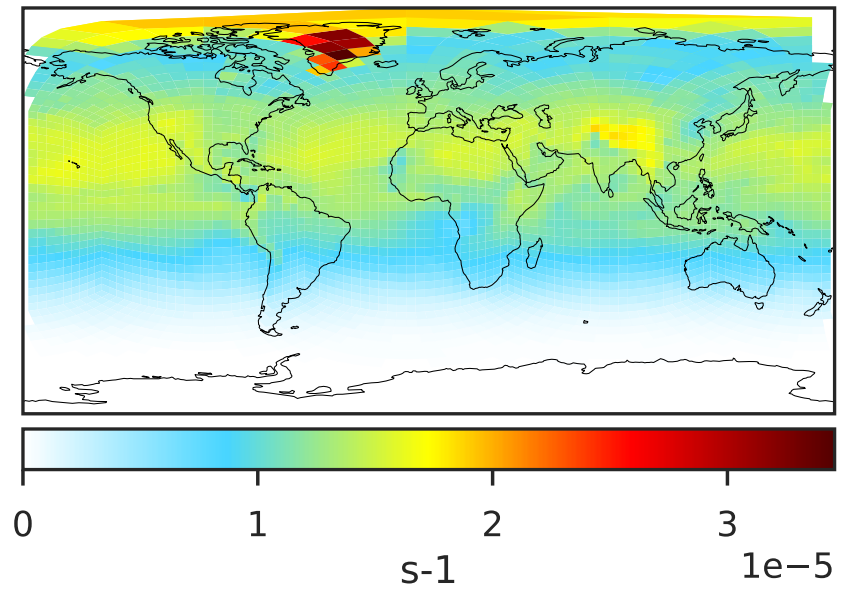


# Jval\_MVKN (Jul2019)

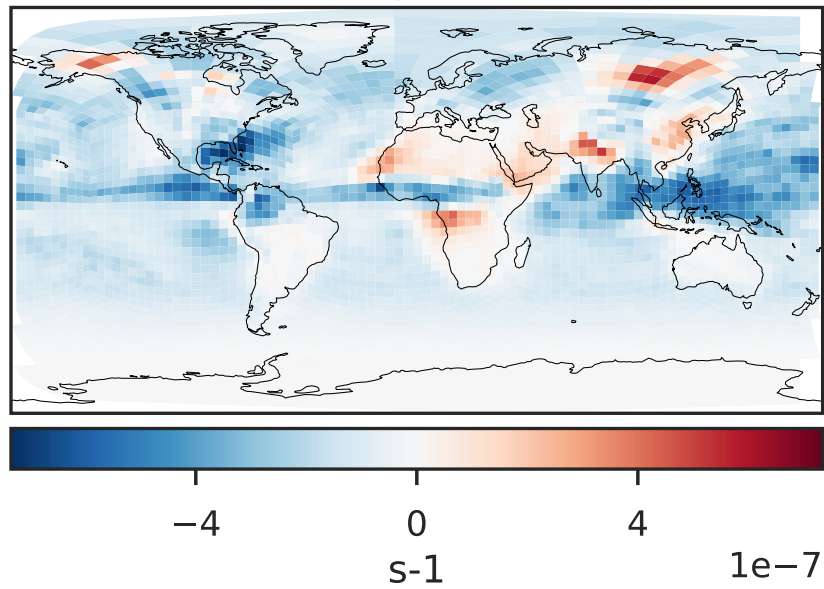
14.2.0-rc.2 (Ref)  
c24



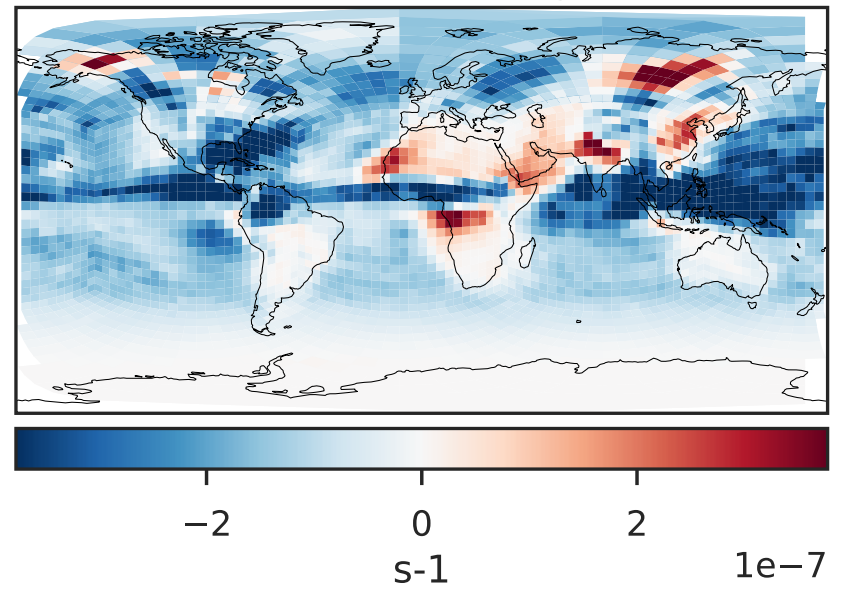
14.3.0-rc.0 (Dev)  
c24



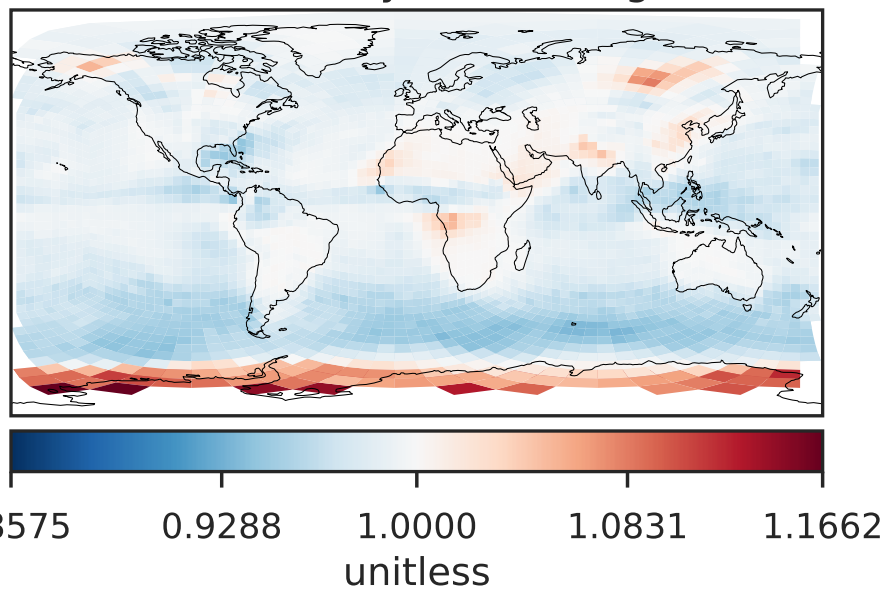
Difference  
Dev - Ref, Dynamic Range



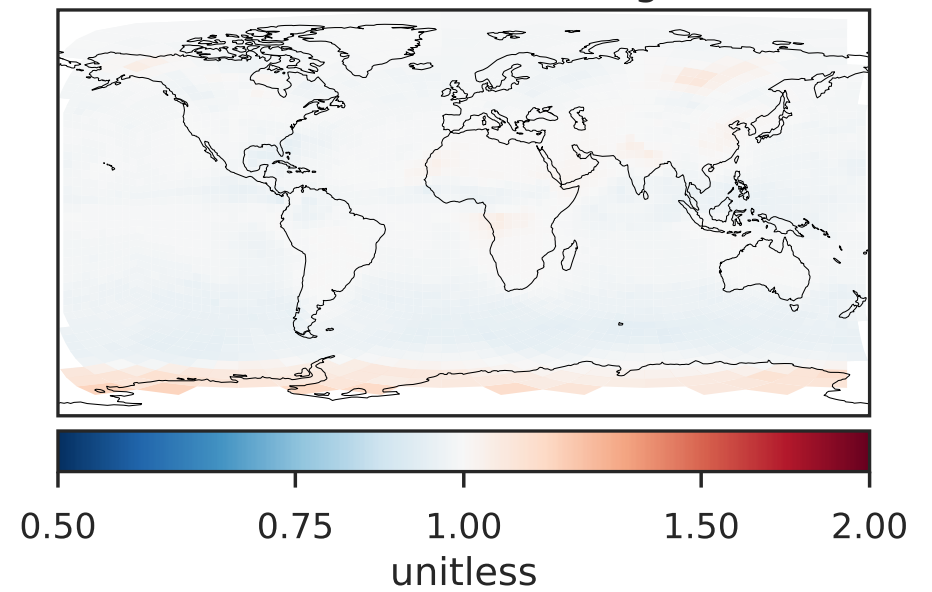
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

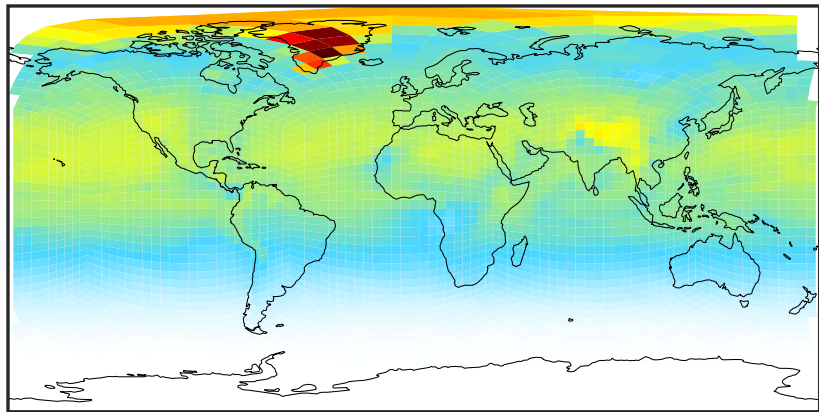


Ratio  
Dev/Ref, Fixed Range



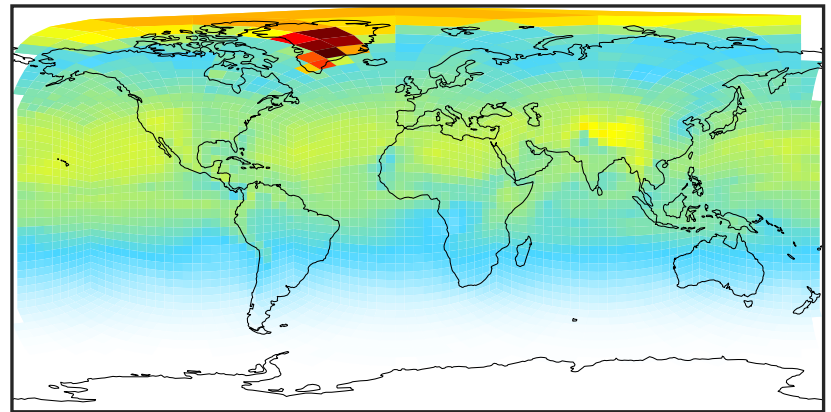
# Jval\_MVKPC (Jul2019)

14.2.0-rc.2 (Ref)  
c24



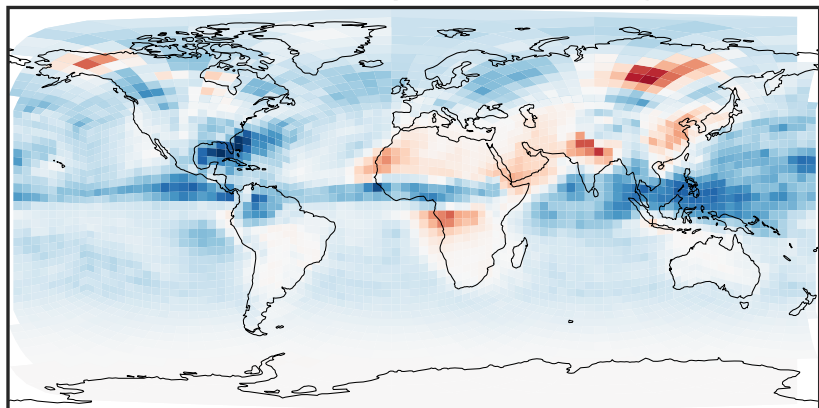
0.0 1.5 3.0  $1e-5$   
s-1

14.3.0-rc.0 (Dev)  
c24



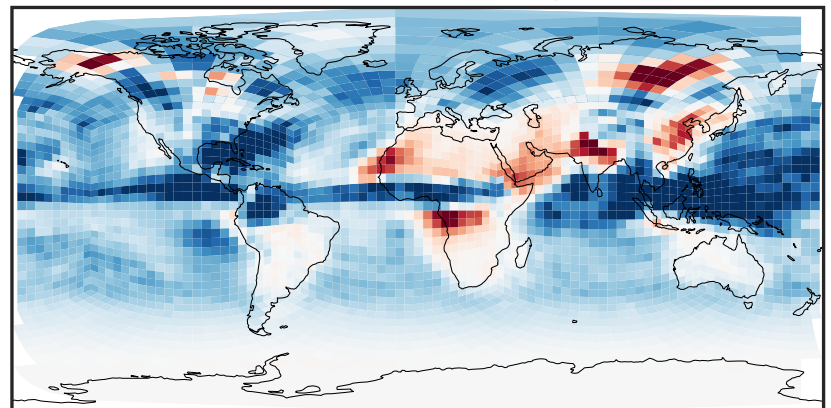
0.0 1.5 3.0  $1e-5$   
s-1

Difference  
Dev - Ref, Dynamic Range



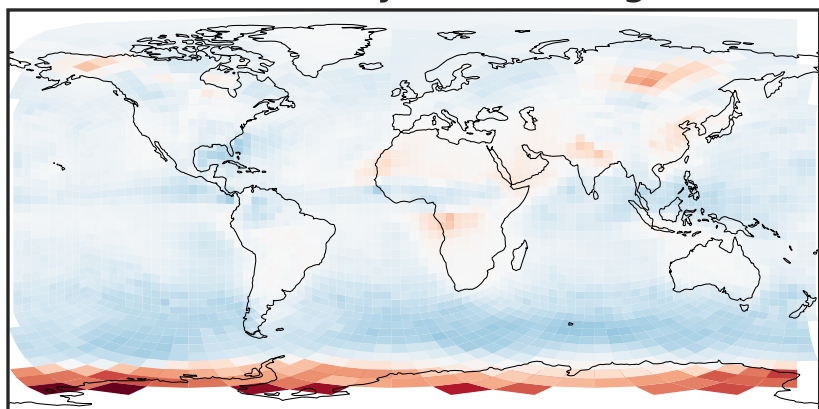
-5 0 5  $1e-7$   
s-1

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



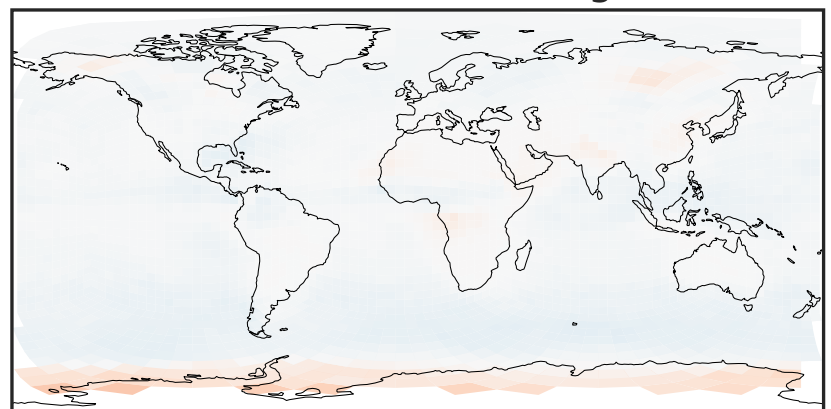
-2.5 0.0 2.5  $1e-7$   
s-1

Ratio  
Dev/Ref, Dynamic Range



0.8309 0.9155 1.0000 1.1018 1.2035  
unitless

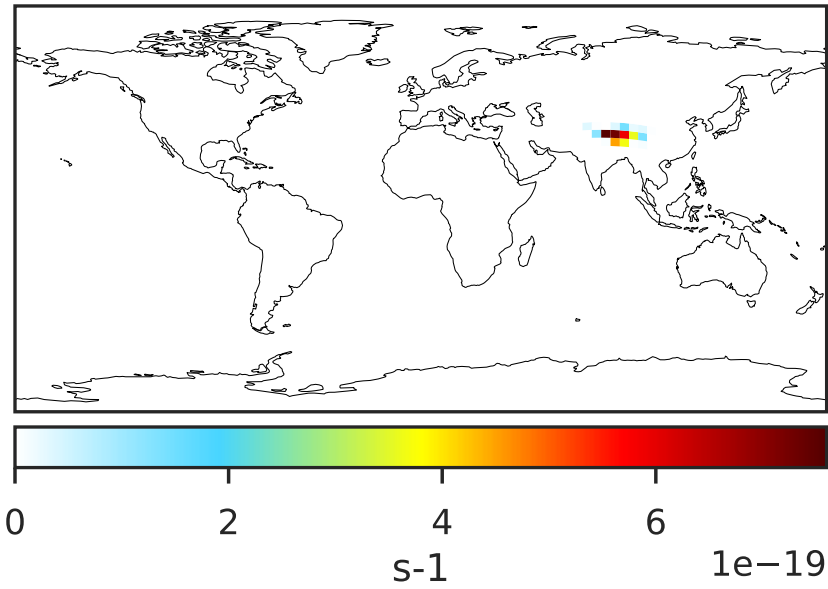
Ratio  
Dev/Ref, Fixed Range



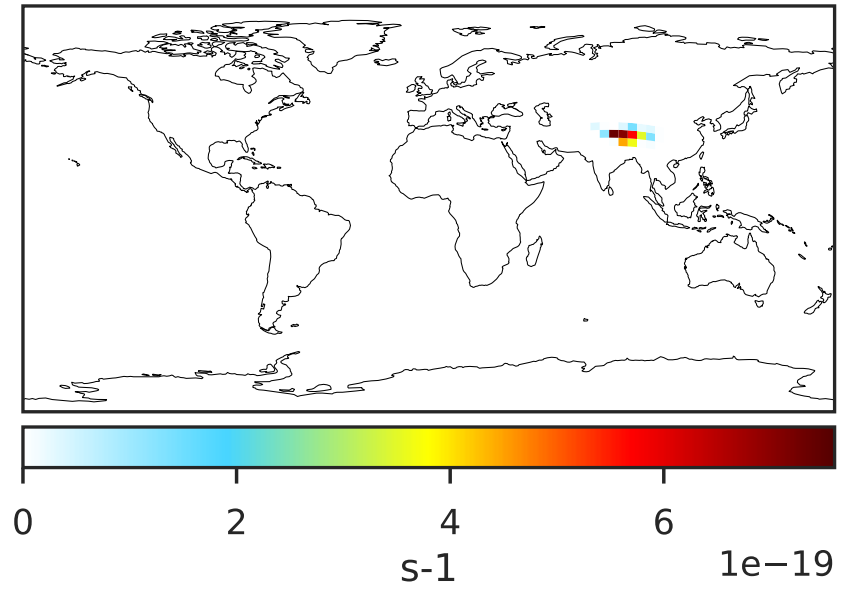
0.50 0.75 1.00 1.50 2.00  
unitless

# Jval\_N2O (Jul2019)

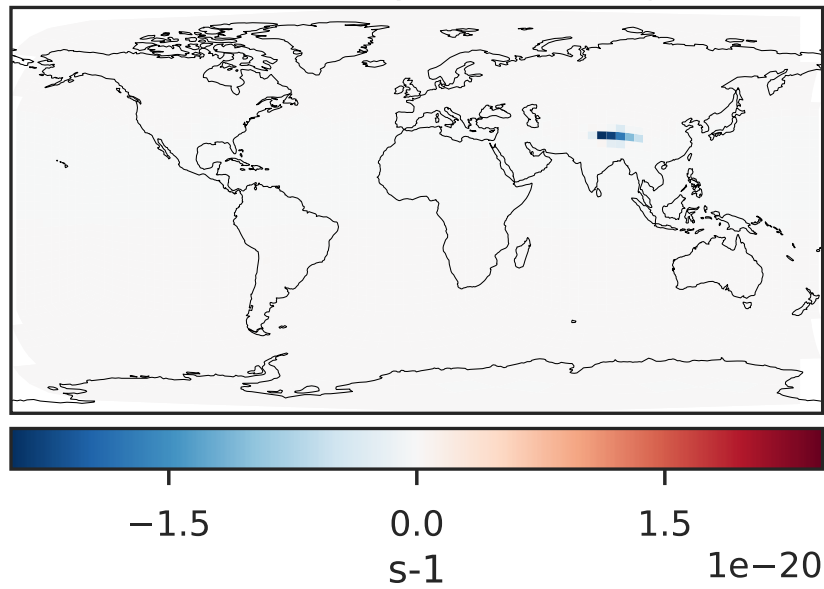
14.2.0-rc.2 (Ref)  
c24



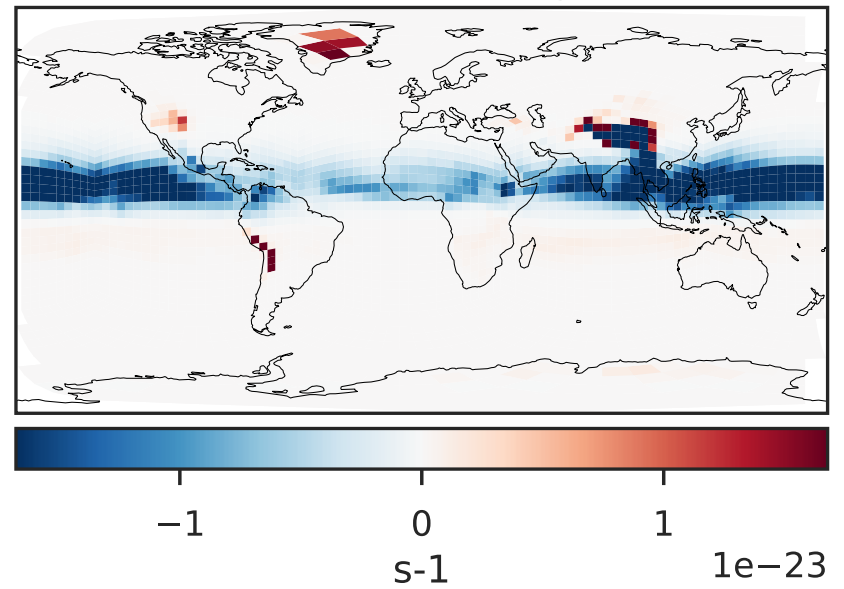
14.3.0-rc.0 (Dev)  
c24



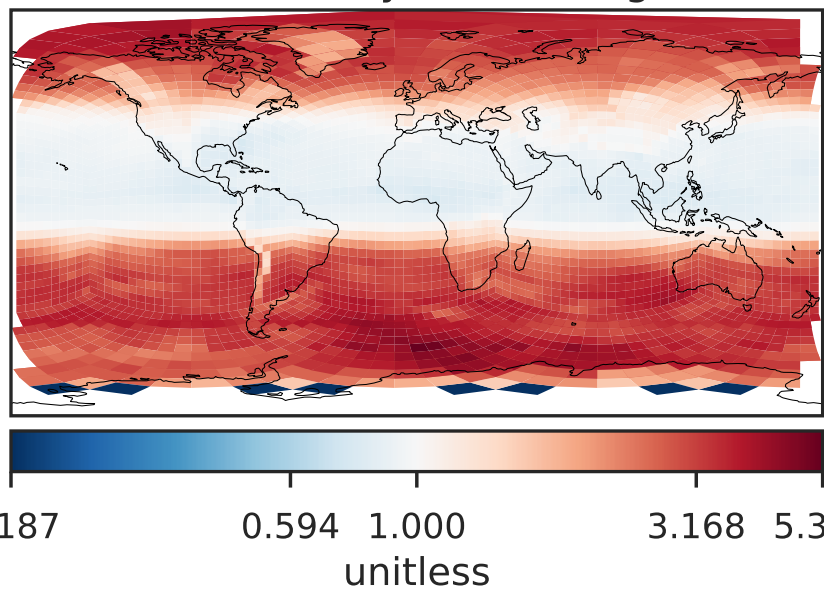
Difference  
Dev - Ref, Dynamic Range



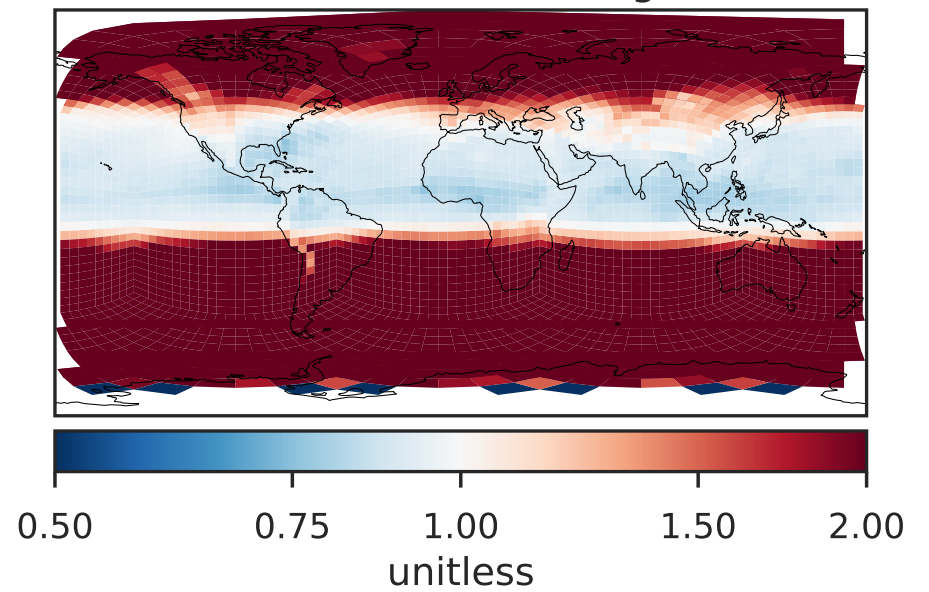
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



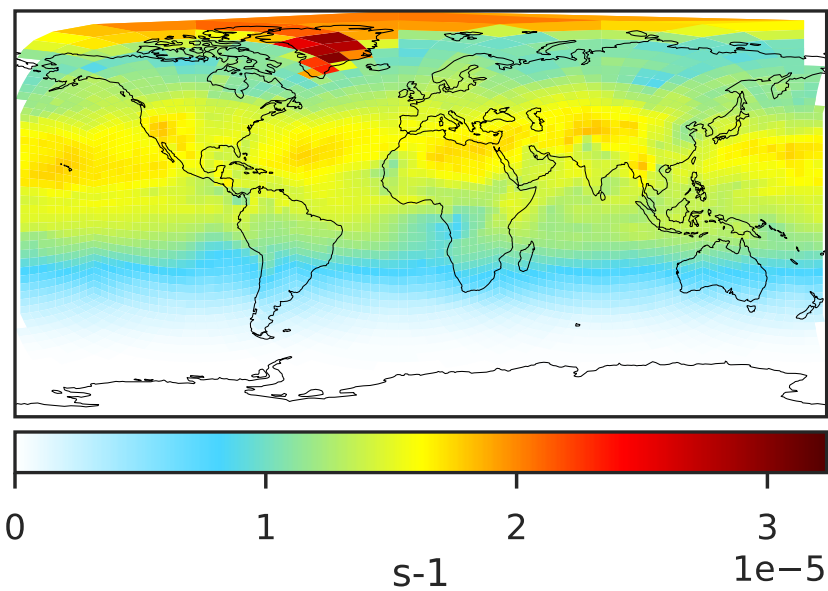
Ratio  
Dev/Ref, Fixed Range



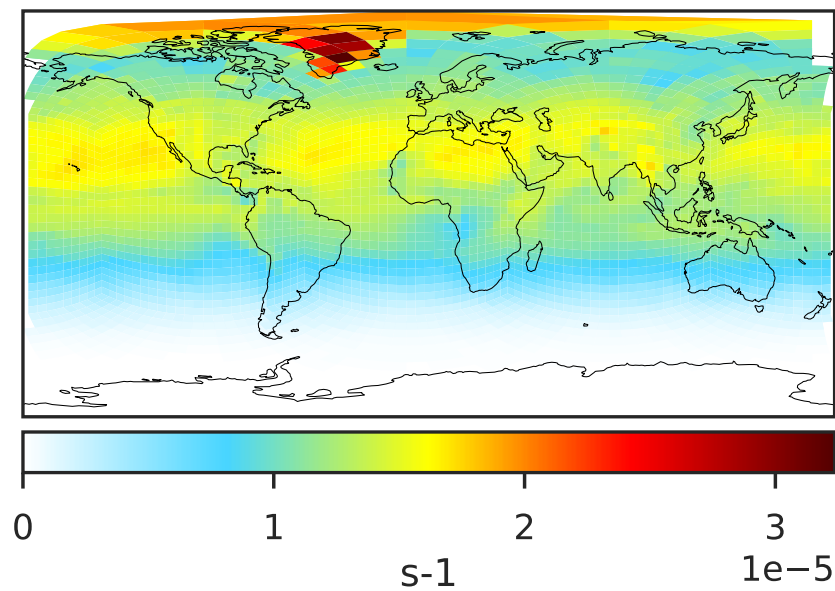


# Jval\_N205 (Jul2019)

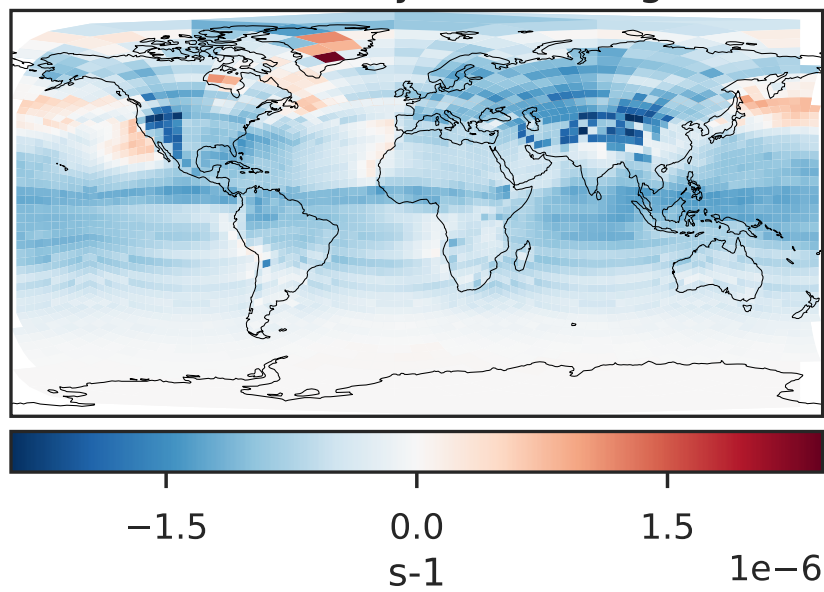
14.2.0-rc.2 (Ref)  
c24



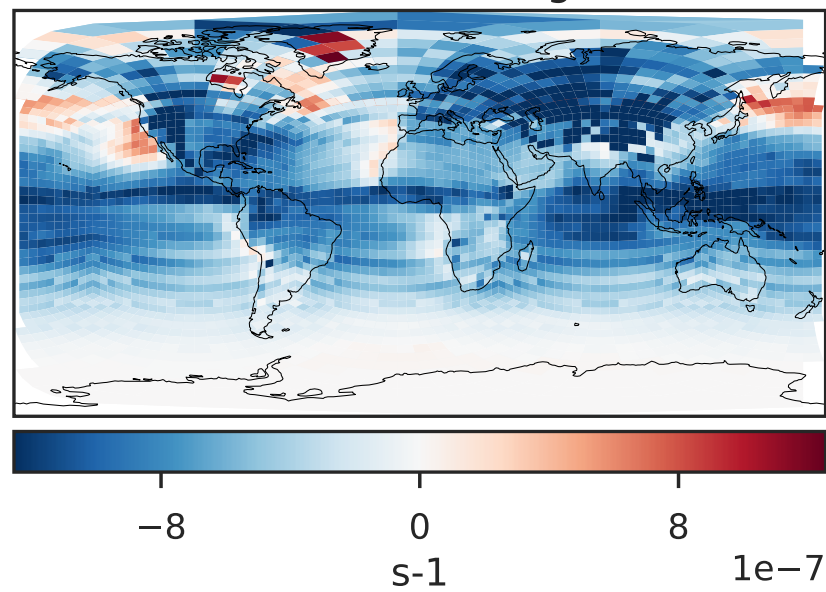
14.3.0-rc.0 (Dev)  
c24



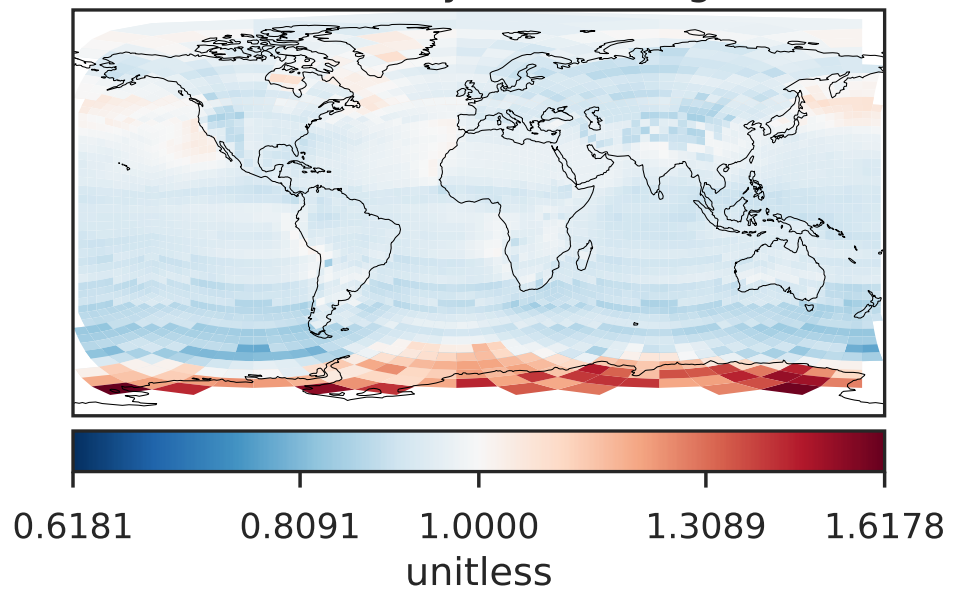
Difference  
Dev - Ref, Dynamic Range



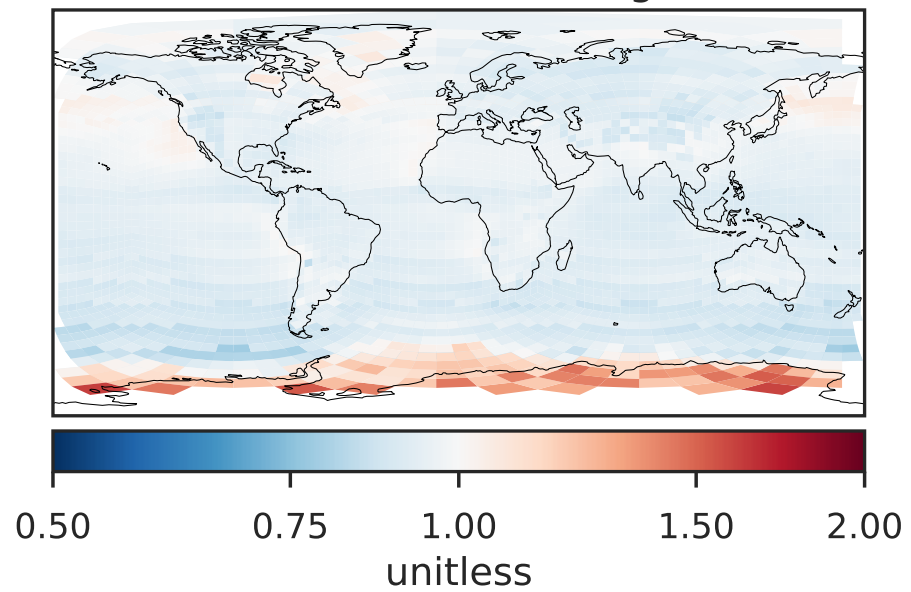
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

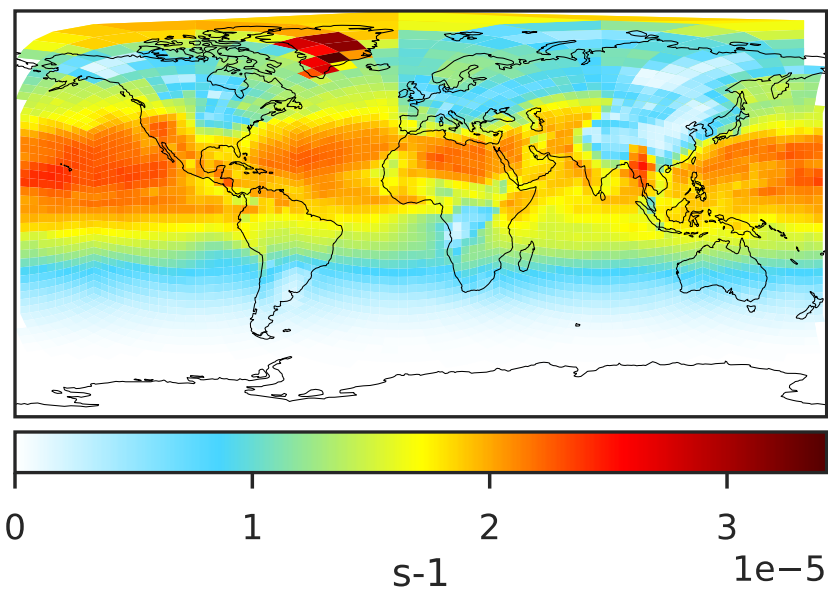


Ratio  
Dev/Ref, Fixed Range

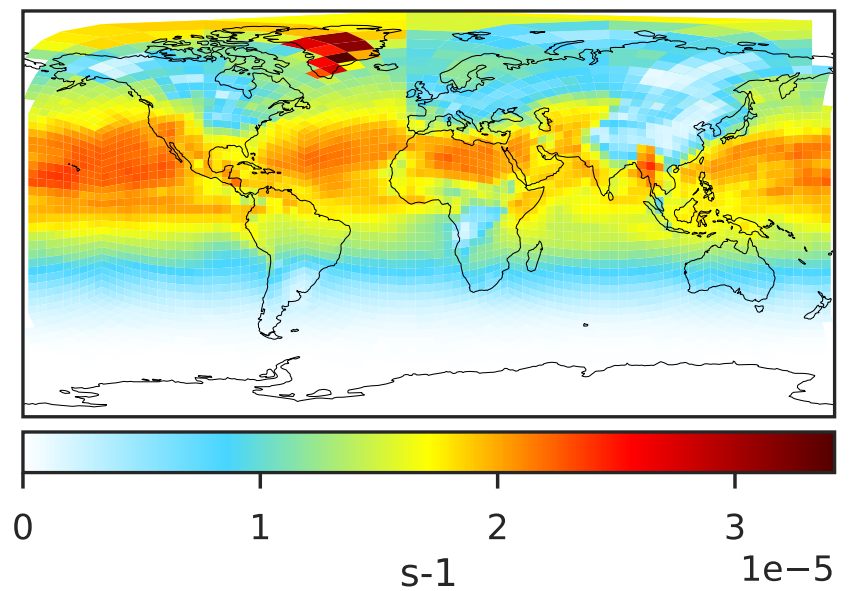


# Jval\_NIT (Jul2019)

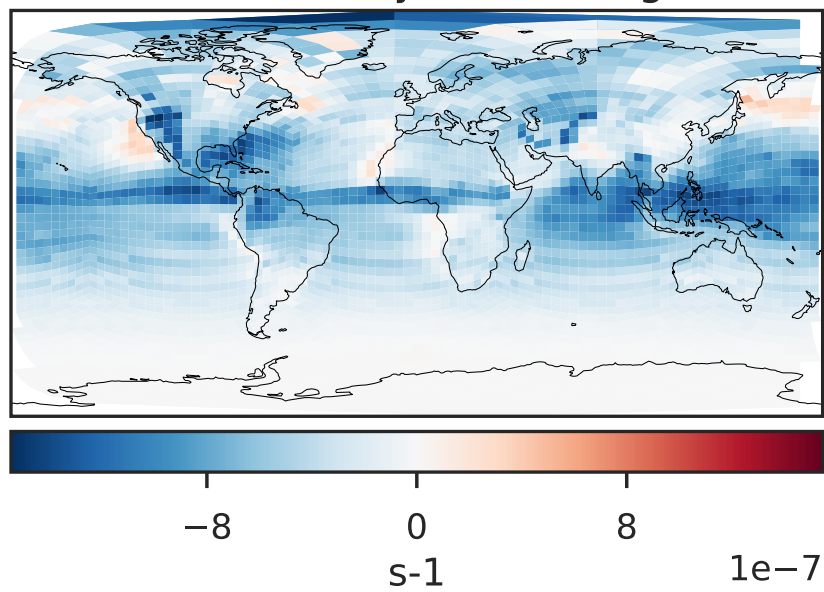
14.2.0-rc.2 (Ref)  
c24



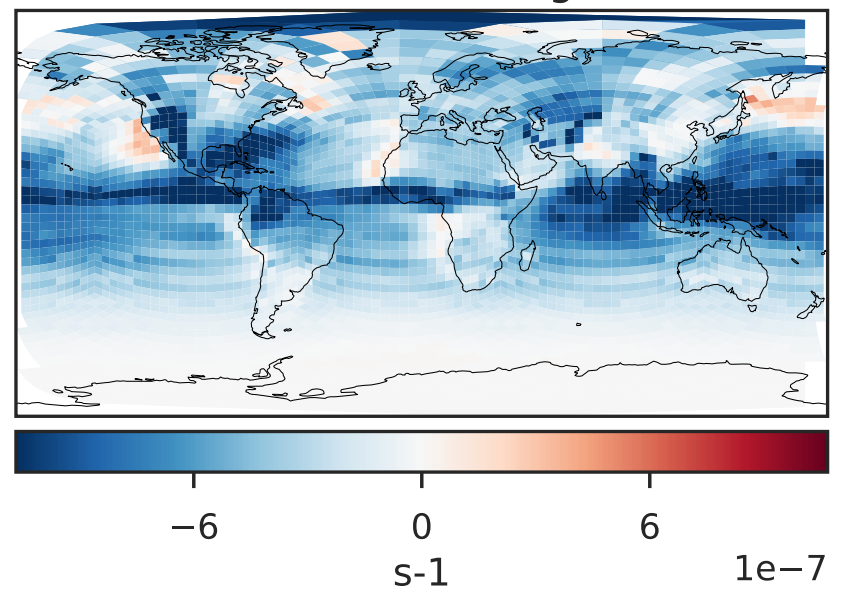
14.3.0-rc.0 (Dev)  
c24



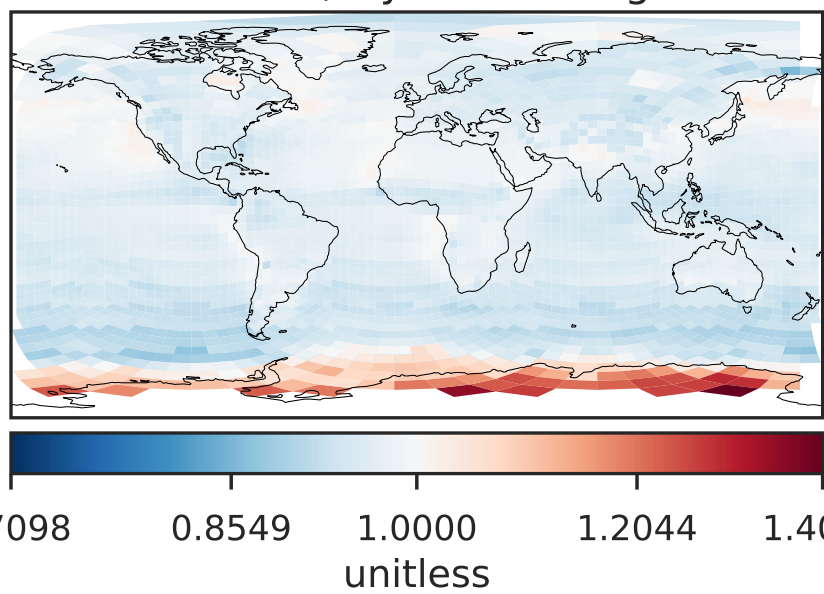
Difference  
Dev - Ref, Dynamic Range



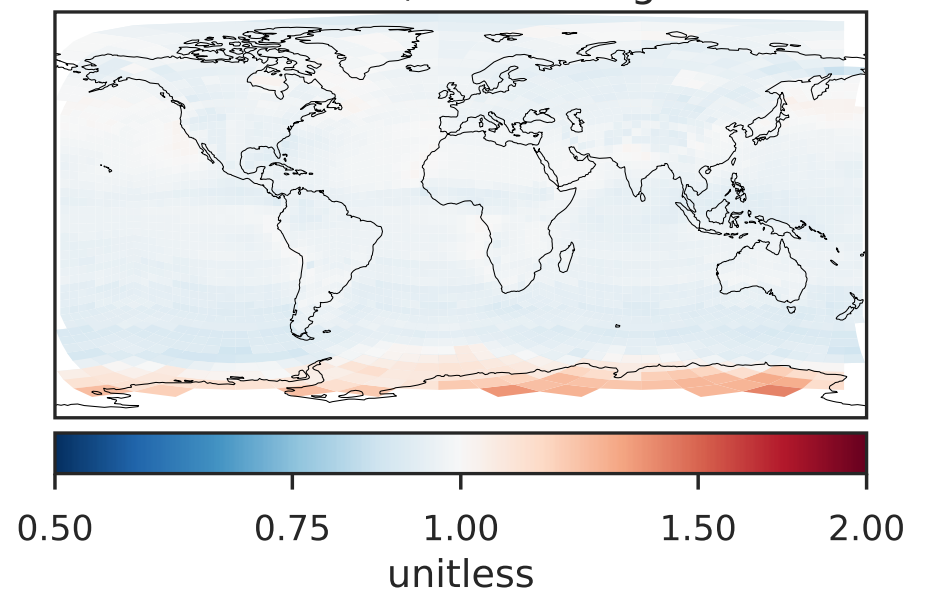
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



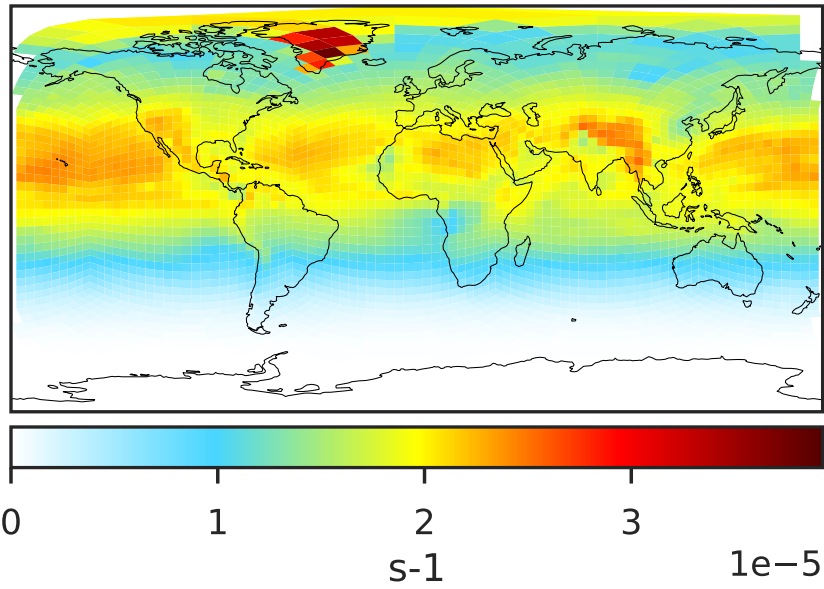
Ratio  
Dev/Ref, Fixed Range



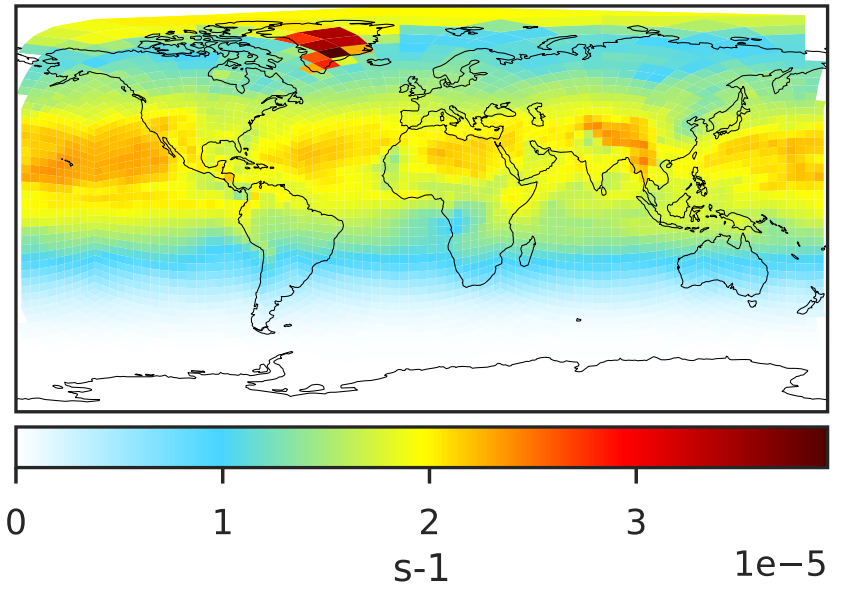


# Jval\_NITs (Jul2019)

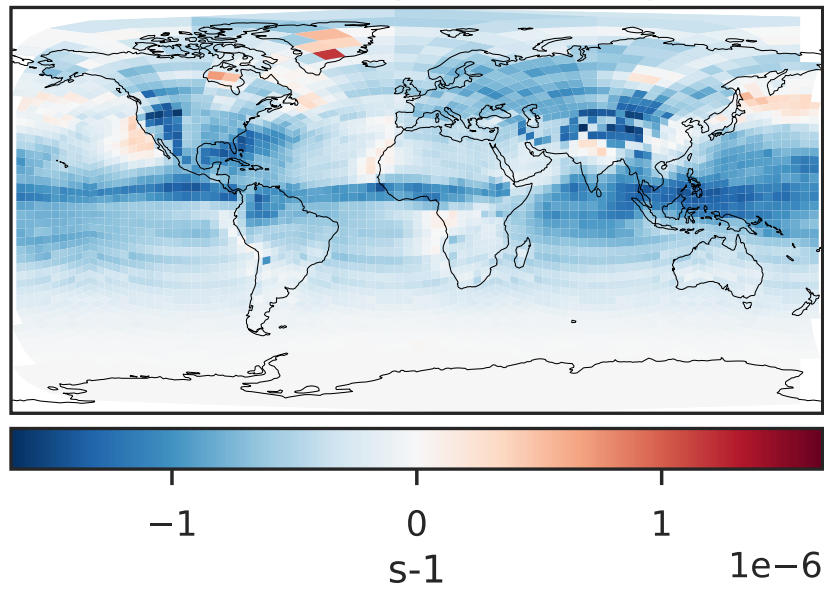
14.2.0-rc.2 (Ref)  
c24



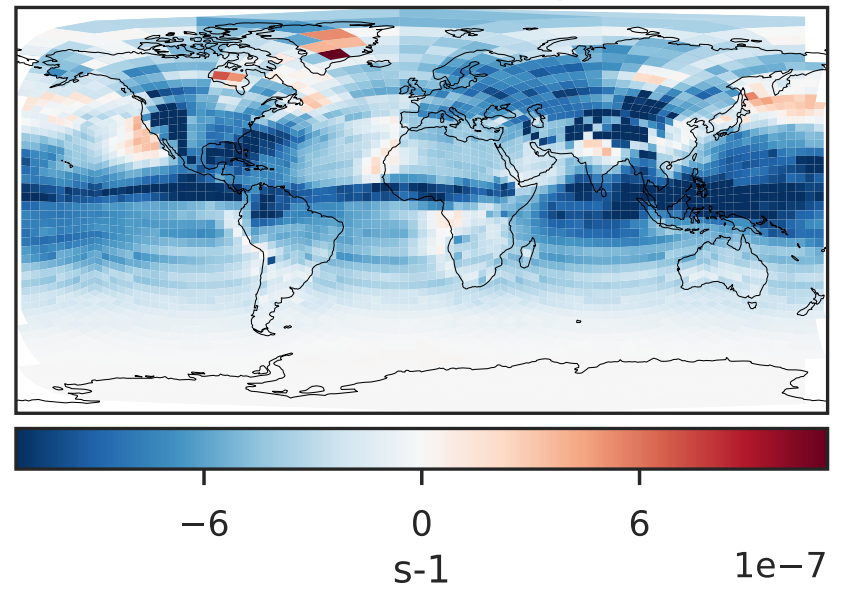
14.3.0-rc.0 (Dev)  
c24



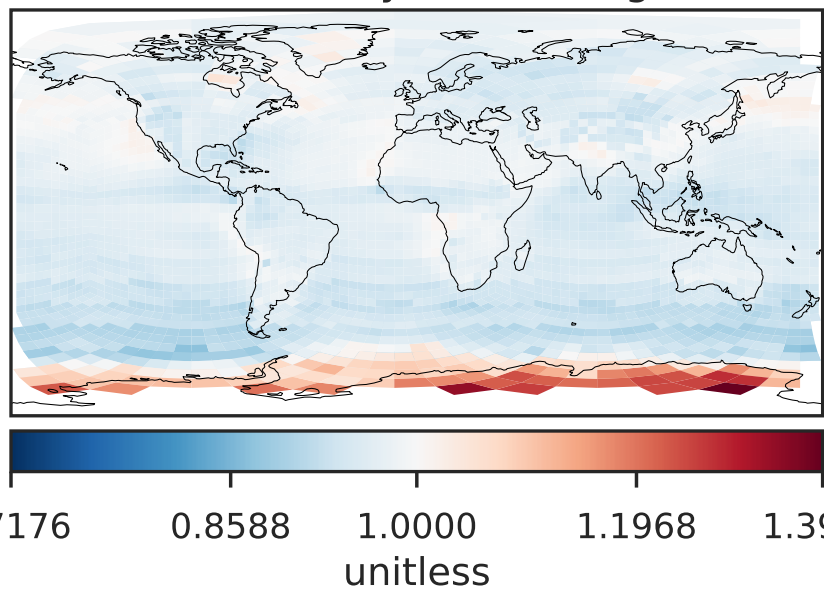
Difference  
Dev - Ref, Dynamic Range



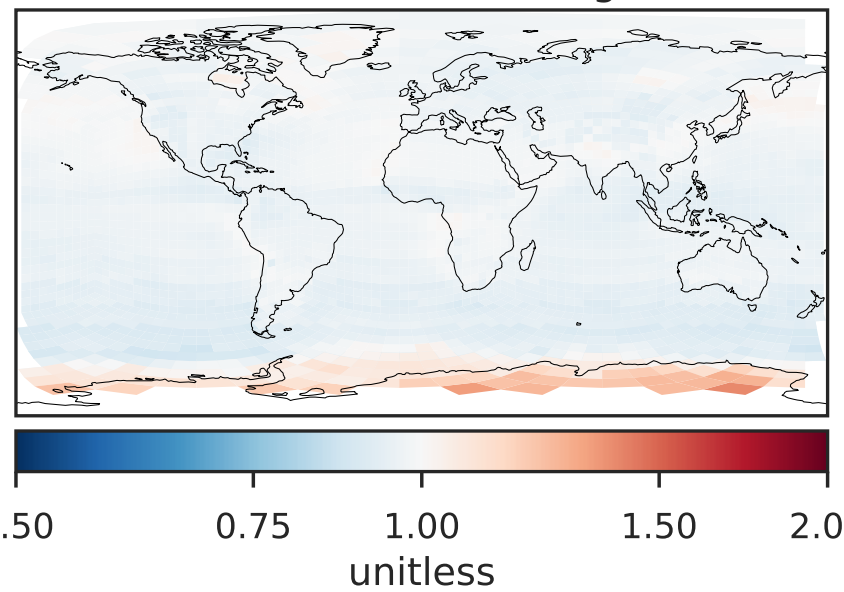
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



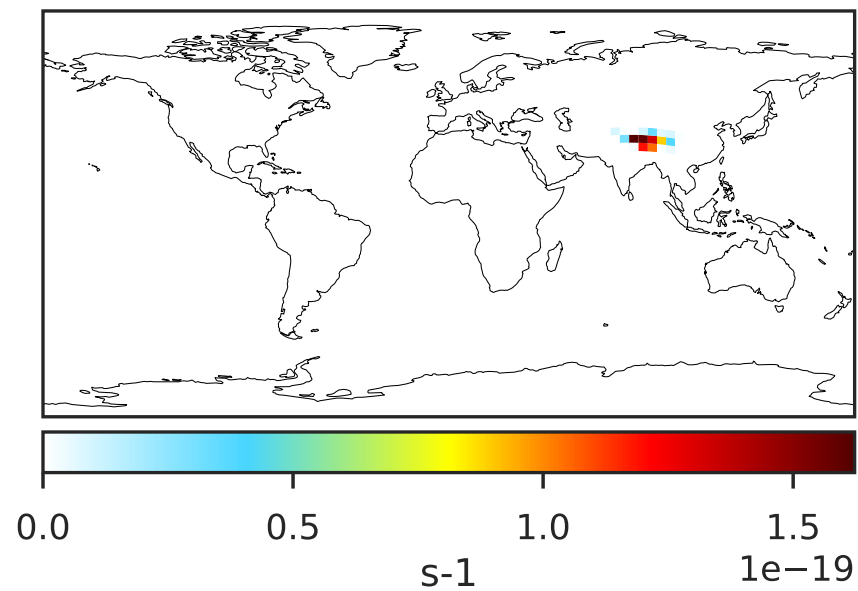
Ratio  
Dev/Ref, Fixed Range



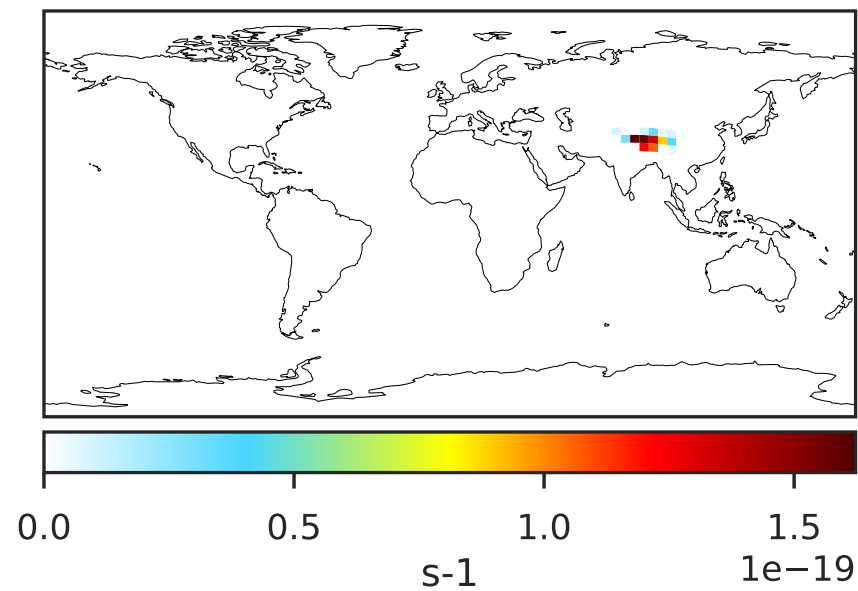


# Jval\_NO (Jul2019)

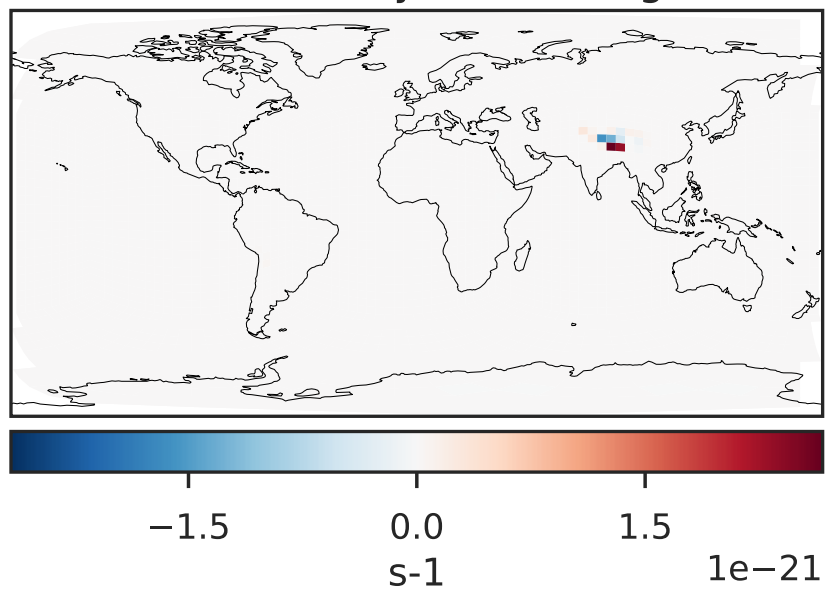
14.2.0-rc.2 (Ref)  
c24



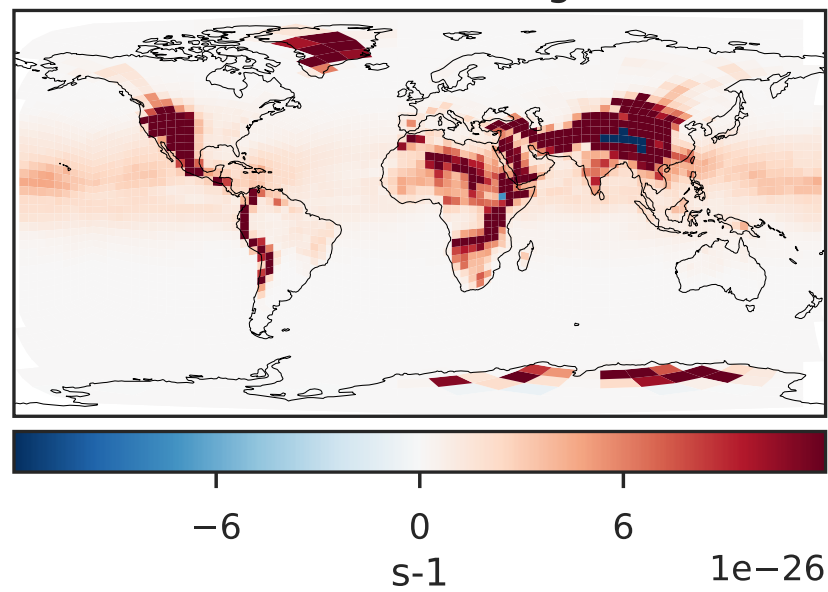
14.3.0-rc.0 (Dev)  
c24



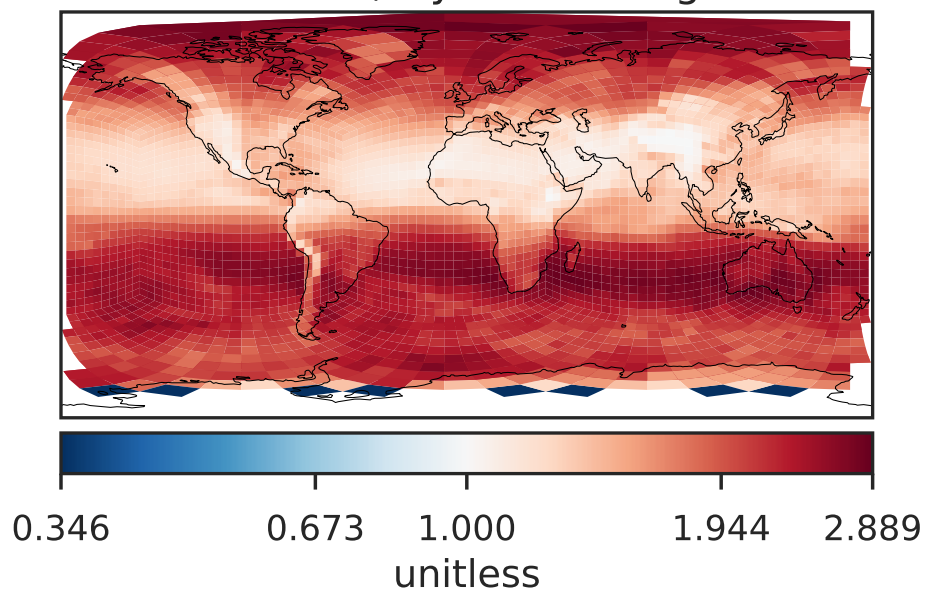
Difference  
Dev - Ref, Dynamic Range



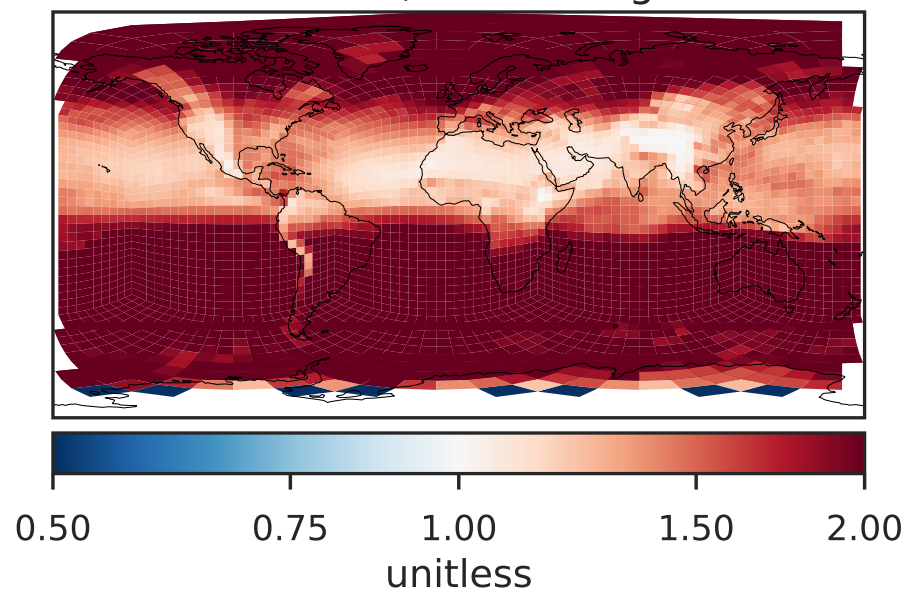
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

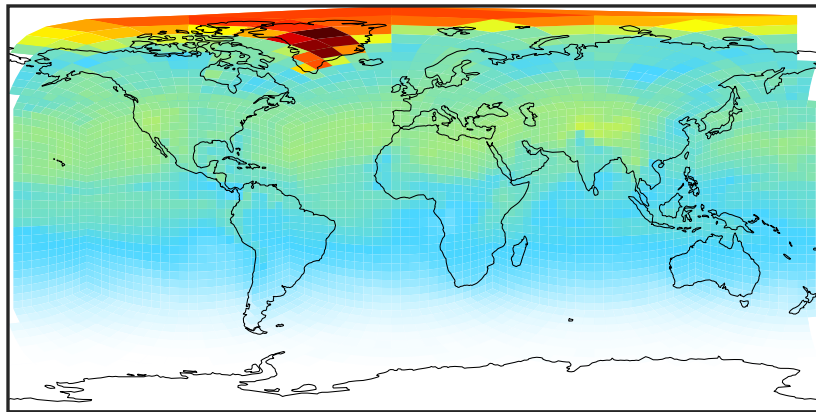


Ratio  
Dev/Ref, Fixed Range



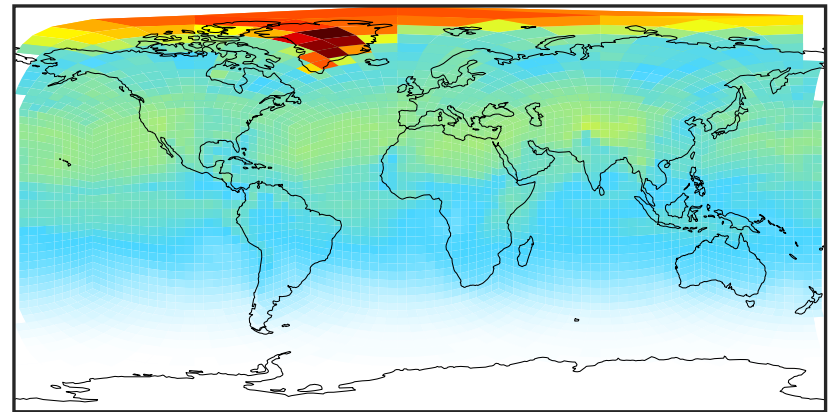
# Jval\_NO2 (Jul2019)

14.2.0-rc.2 (Ref)  
c24



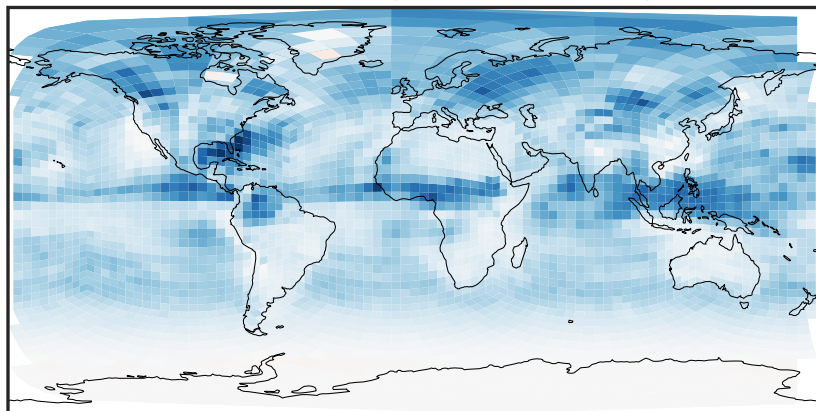
0.000 0.003 0.006 0.009  
s-1

14.3.0-rc.0 (Dev)  
c24



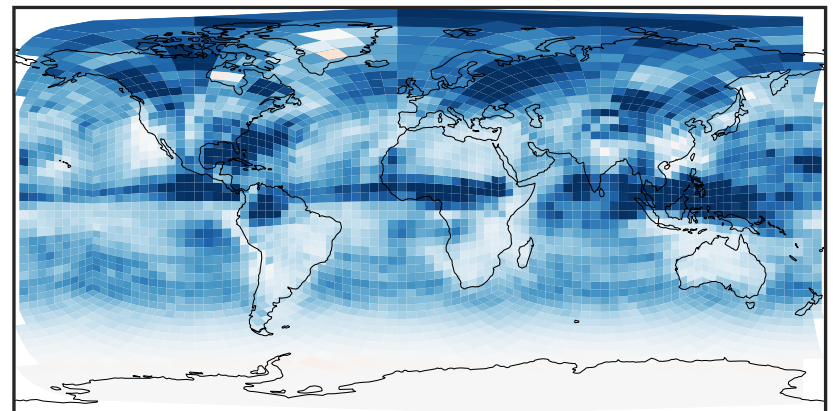
0.000 0.003 0.006 0.009  
s-1

Difference  
Dev - Ref, Dynamic Range



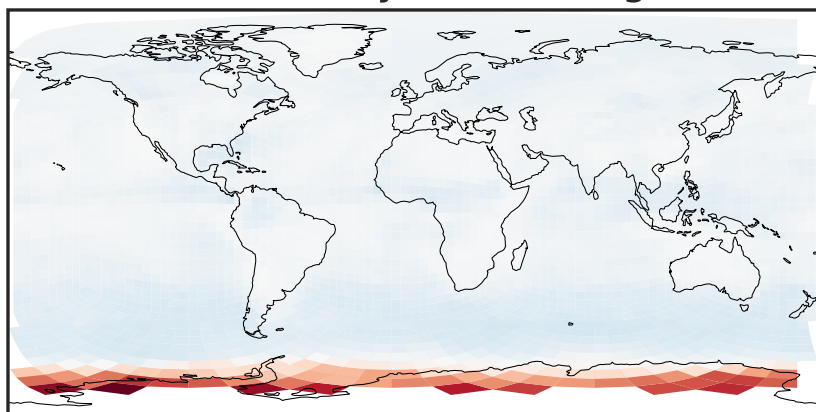
-0.0001 0.0000 0.0001  
s-1

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



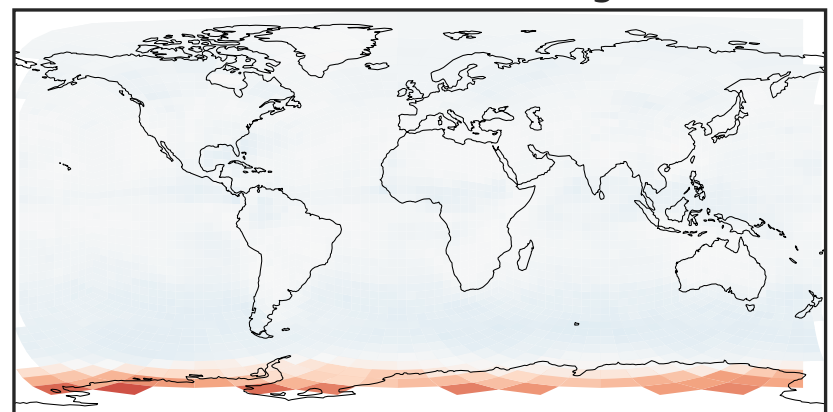
-6 0 6  
s-1 1e-5

Ratio  
Dev/Ref, Dynamic Range



0.6418 0.8209 1.0000 1.2791 1.5581  
unitless

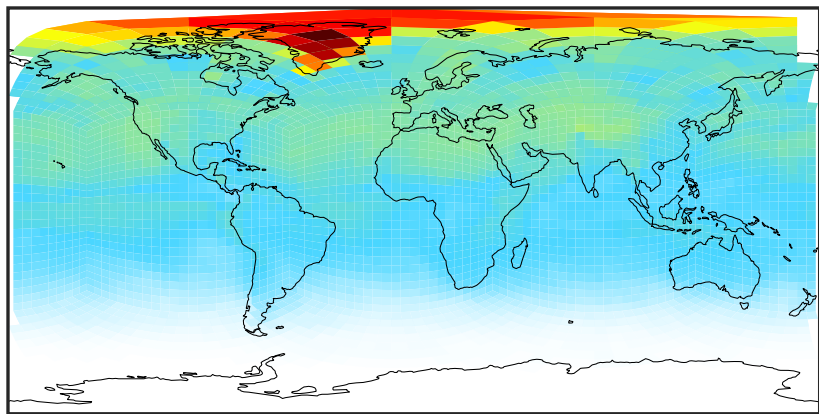
Ratio  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

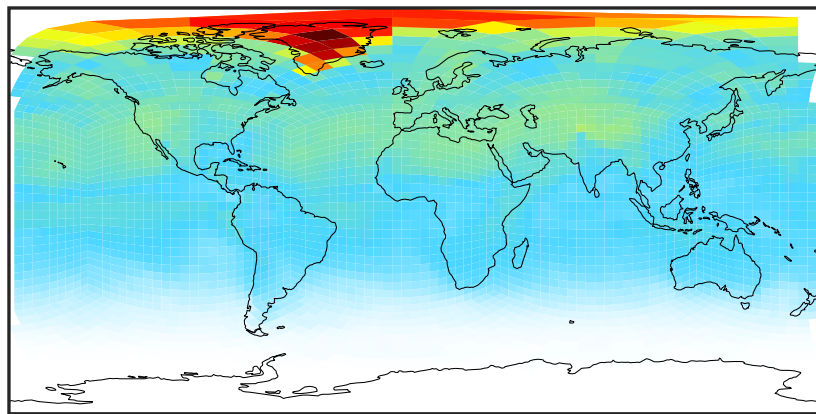
# Jval\_NO3 (Jul2019)

14.2.0-rc.2 (Ref)  
c24



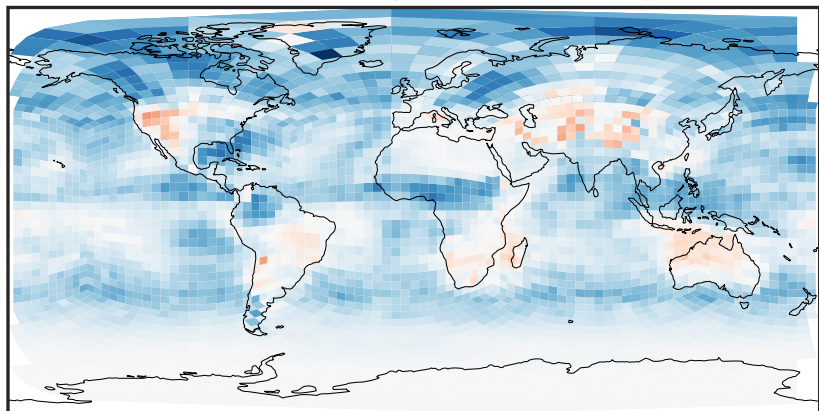
0.0000 0.0724 0.1449 0.2173 0.2898  
s-1

14.3.0-rc.0 (Dev)  
c24



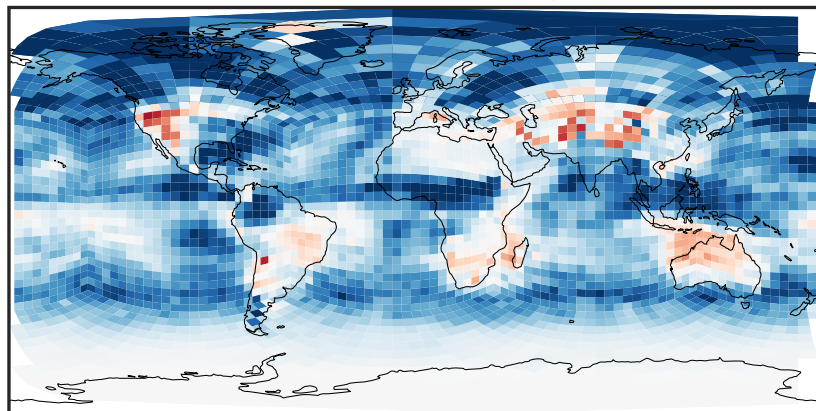
0.0000 0.0724 0.1449 0.2173 0.2898  
s-1

Difference  
Dev - Ref, Dynamic Range



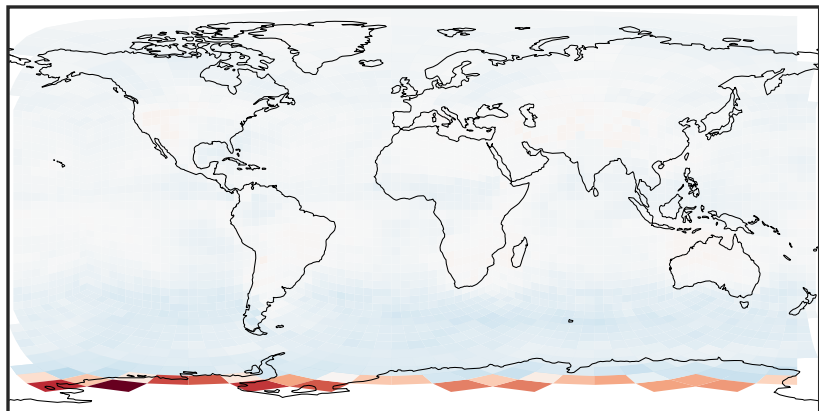
-0.003 0.000 0.003  
s-1

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



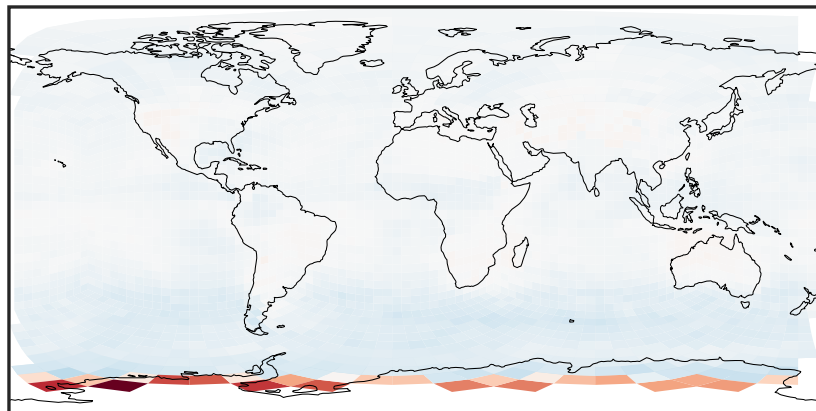
-0.002 0.000 0.002  
s-1

Ratio  
Dev/Ref, Dynamic Range



0.500 0.750 1.000 1.499 1.999  
unitless

Ratio  
Dev/Ref, Fixed Range

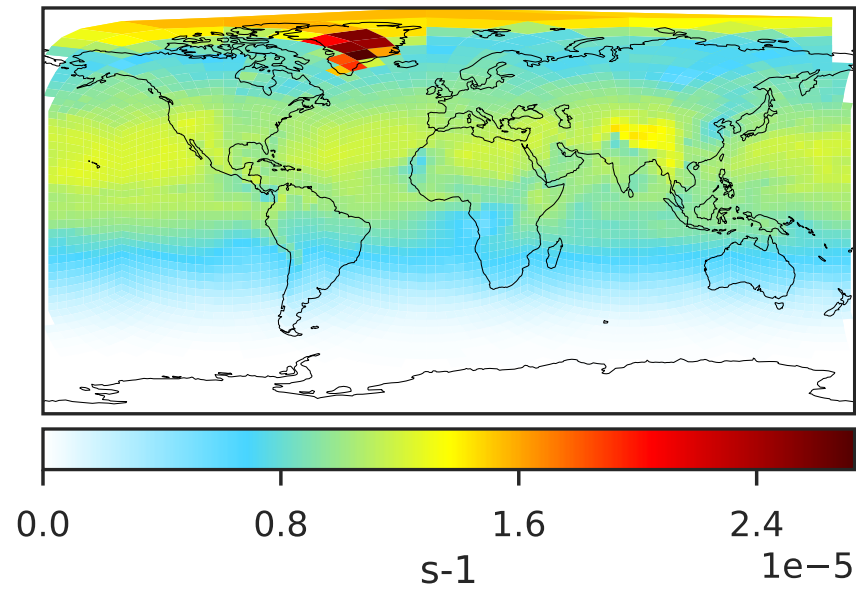


0.50 0.75 1.00 1.50 2.00  
unitless

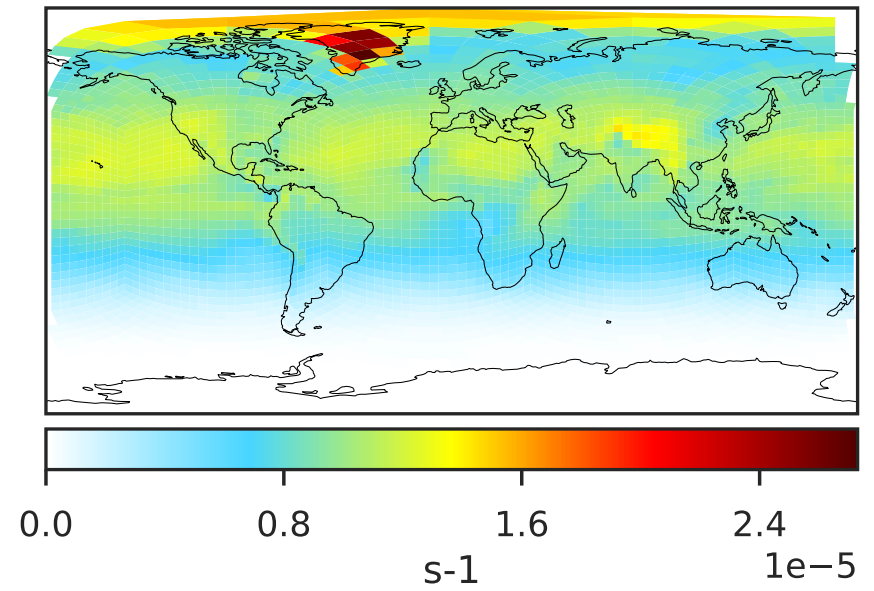


# Jval\_NPHEN (Jul2019)

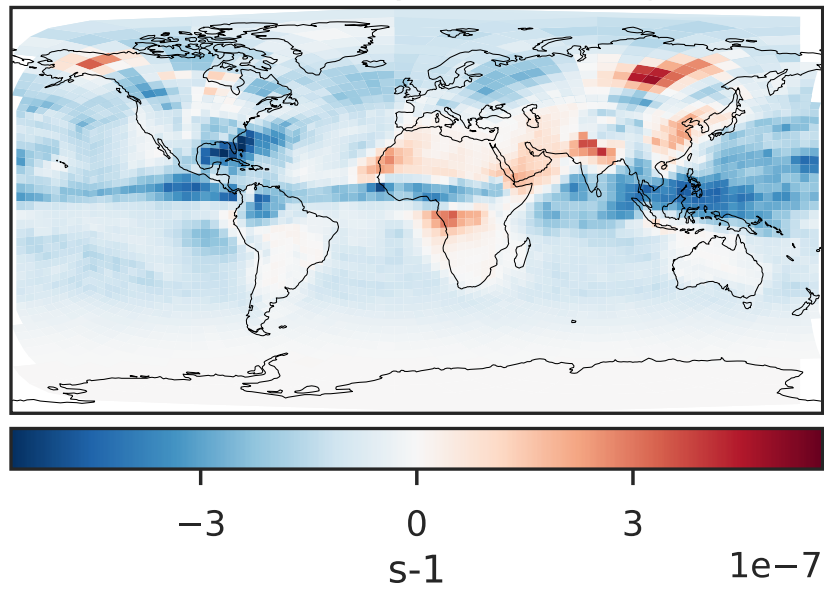
14.2.0-rc.2 (Ref)  
c24



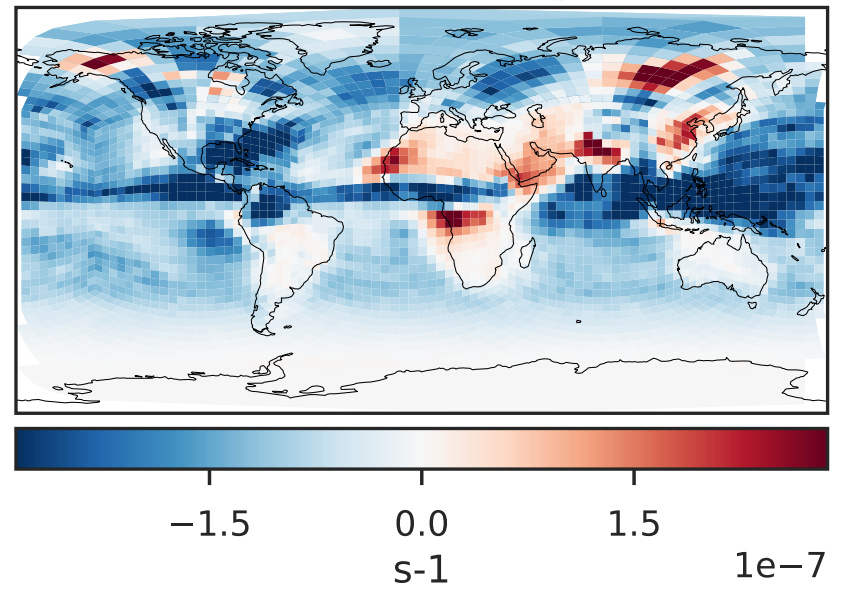
14.3.0-rc.0 (Dev)  
c24



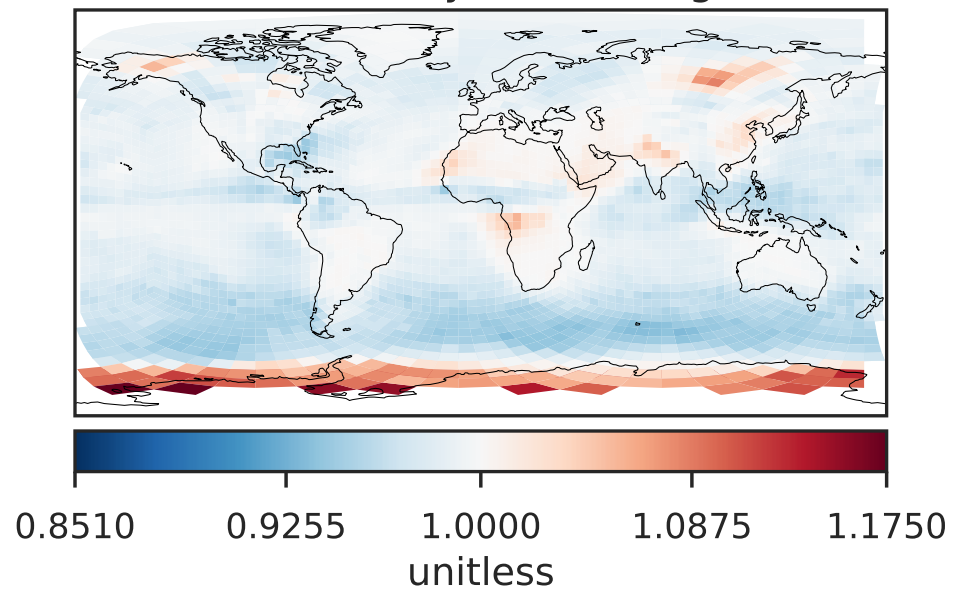
Difference  
Dev - Ref, Dynamic Range



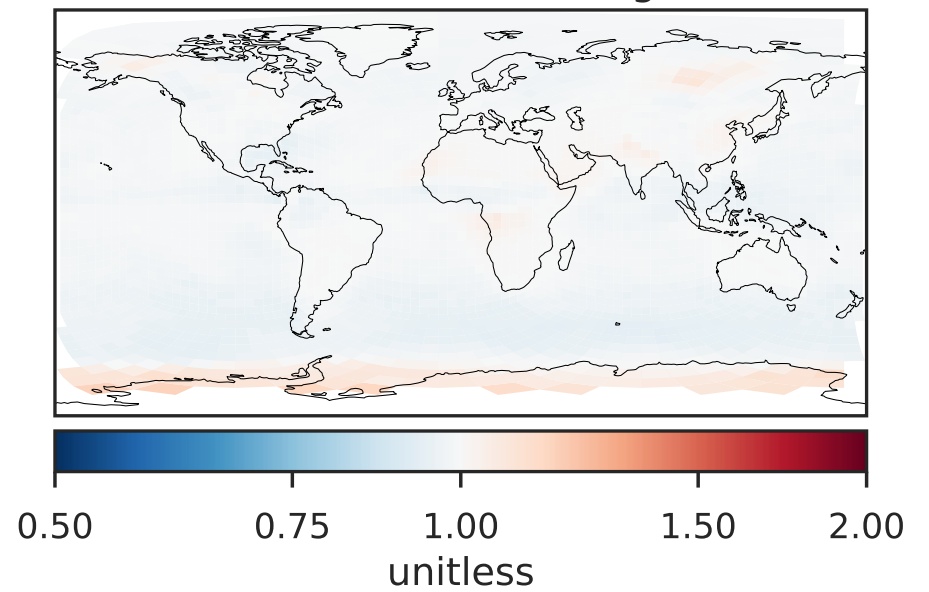
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

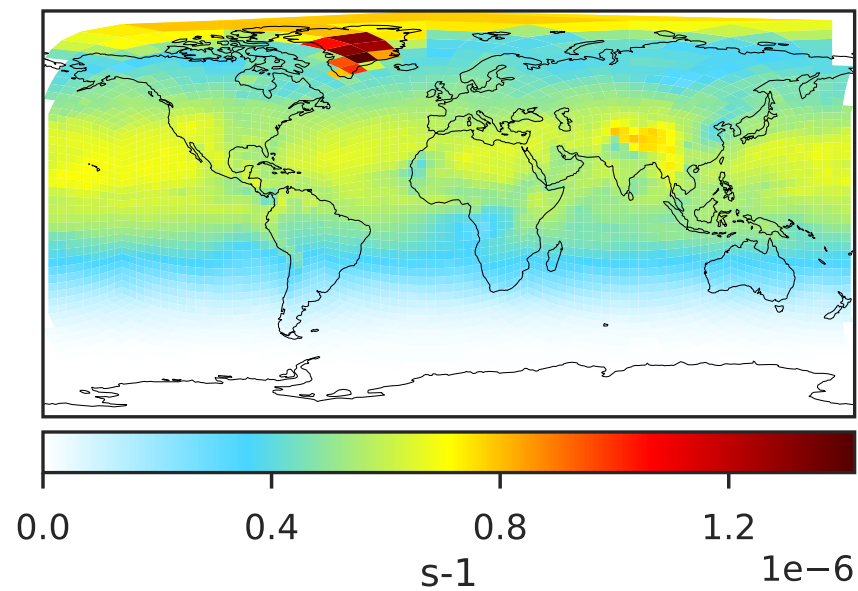


Ratio  
Dev/Ref, Fixed Range

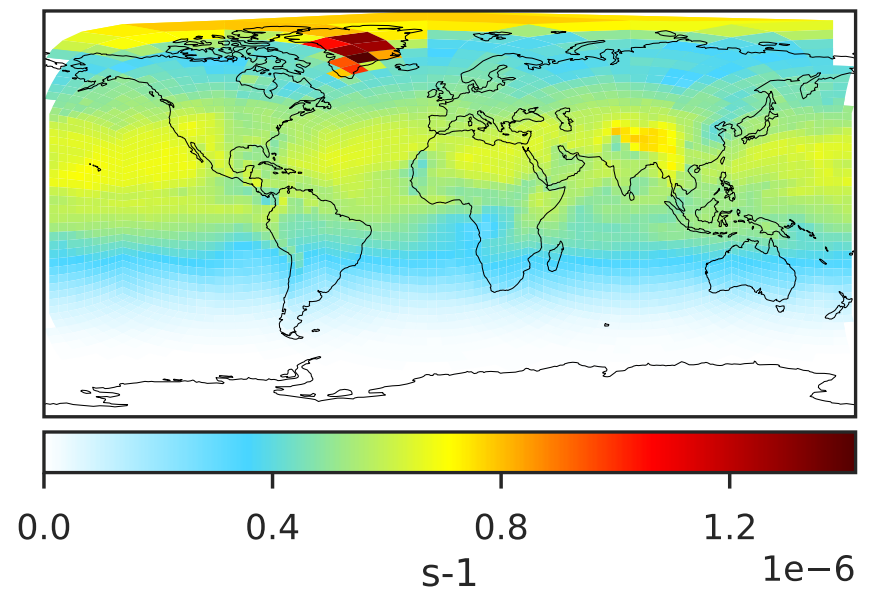


# Jval\_NPRNO3 (Jul2019)

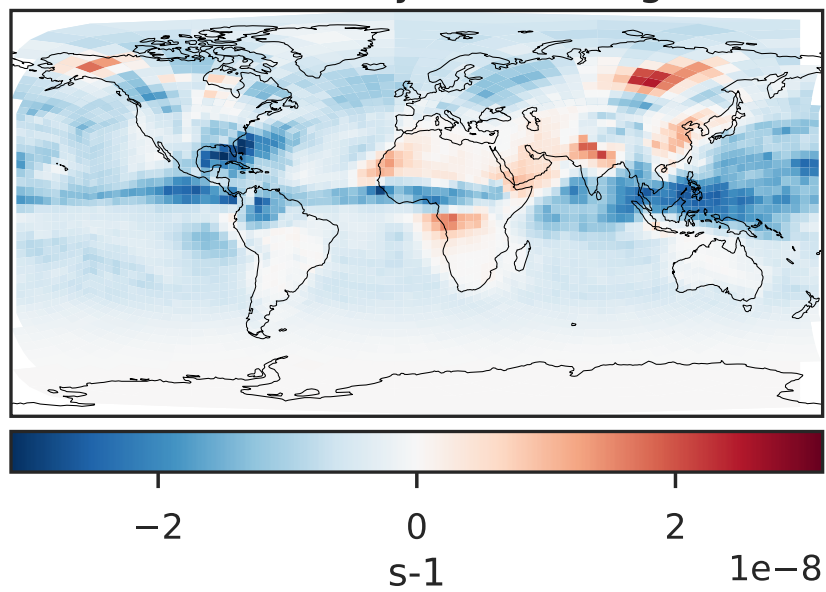
14.2.0-rc.2 (Ref)  
c24



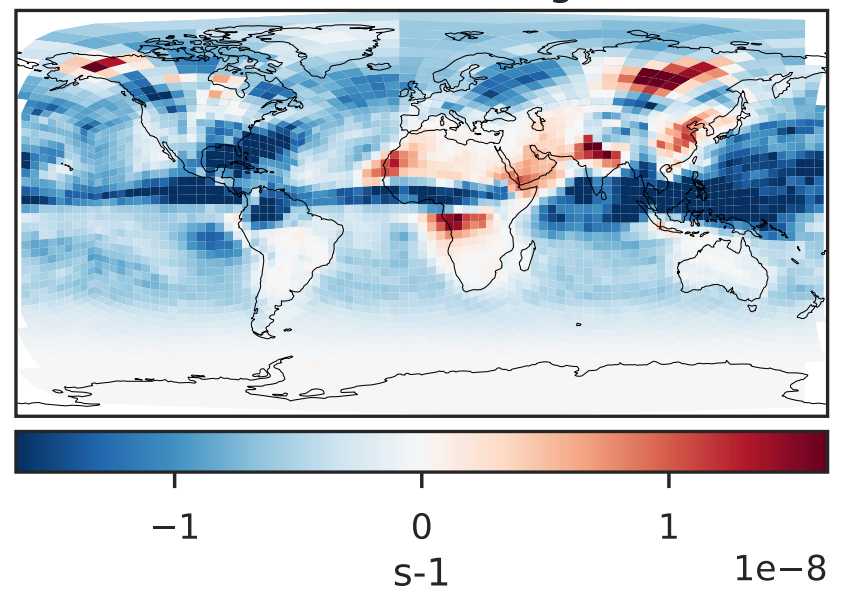
14.3.0-rc.0 (Dev)  
c24



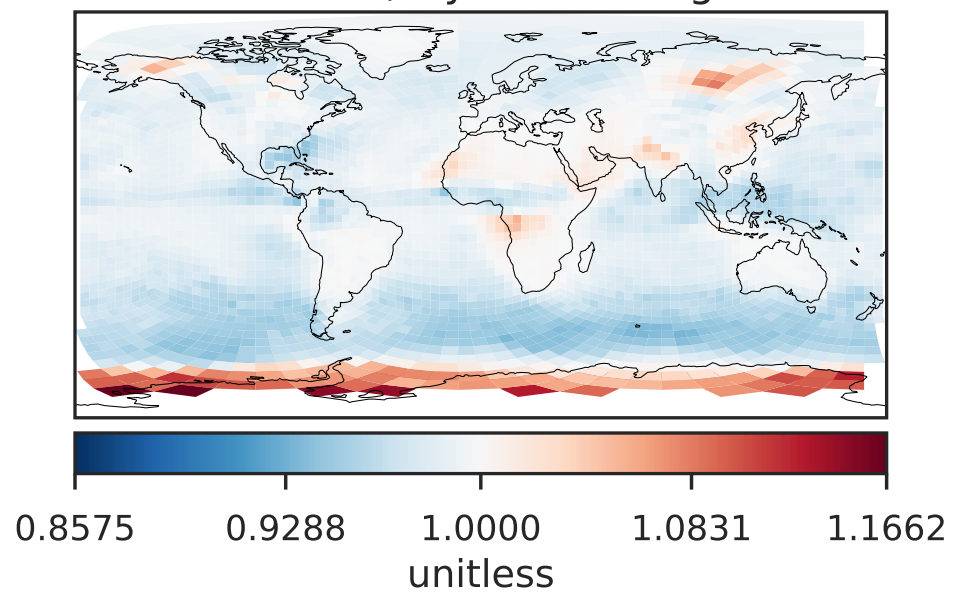
Difference  
Dev - Ref, Dynamic Range



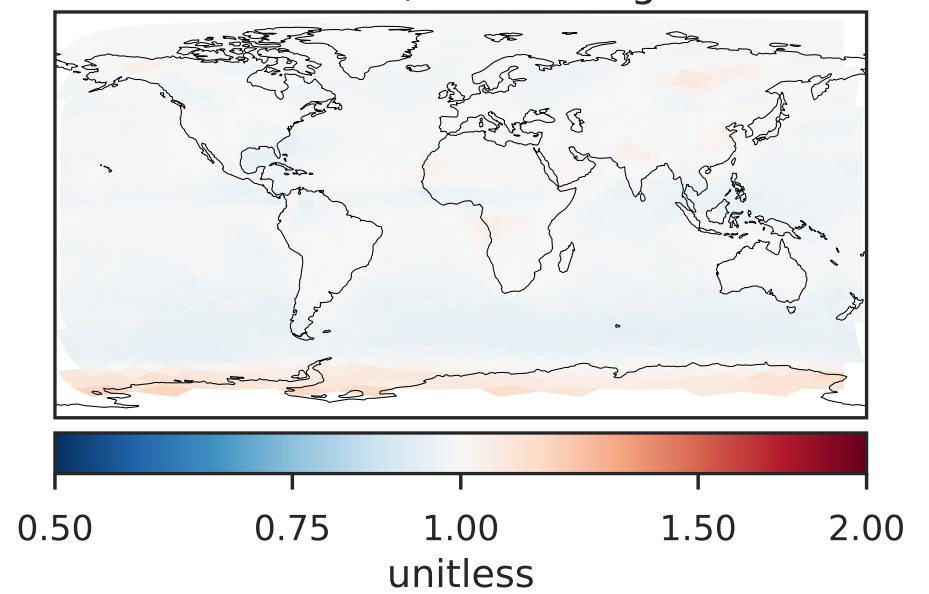
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

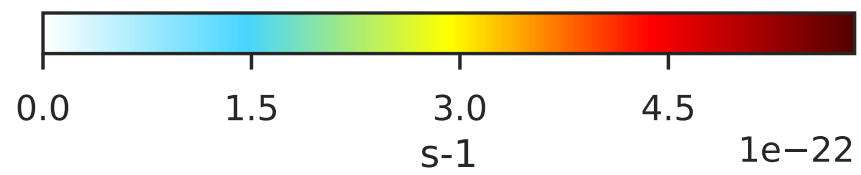
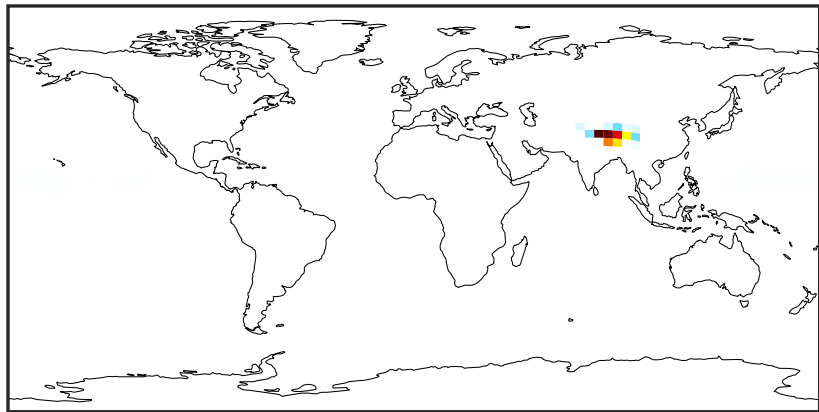


Ratio  
Dev/Ref, Fixed Range

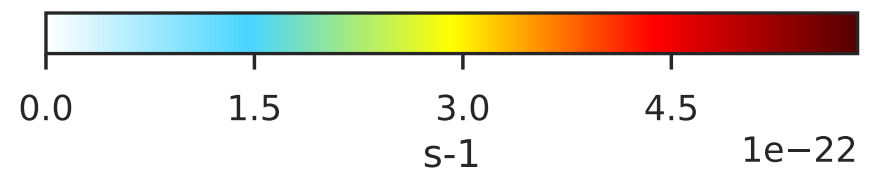
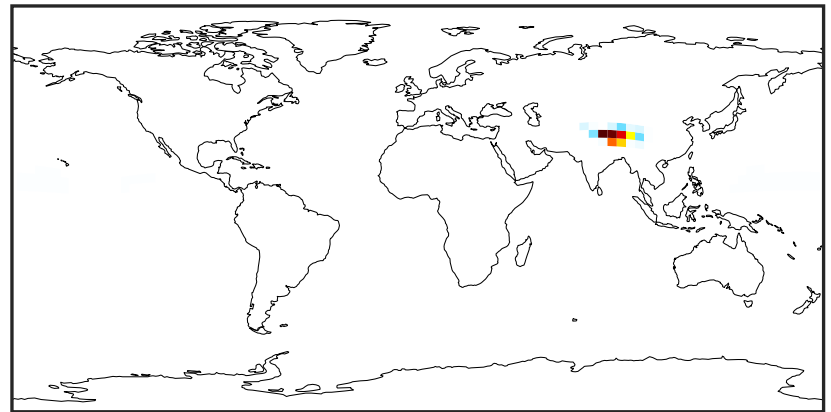


# Jval\_O2 (Jul2019)

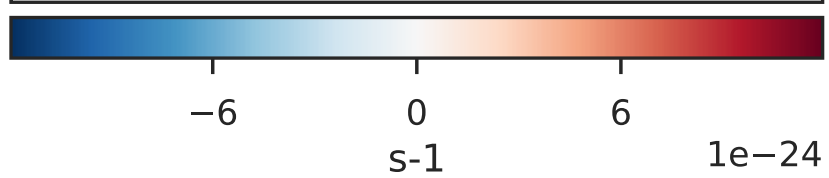
14.2.0-rc.2 (Ref)  
c24



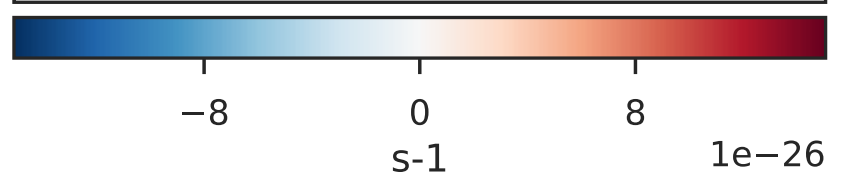
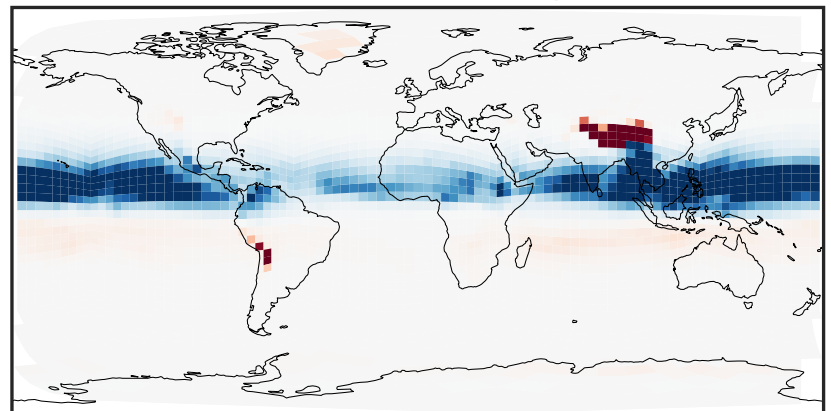
14.3.0-rc.0 (Dev)  
c24



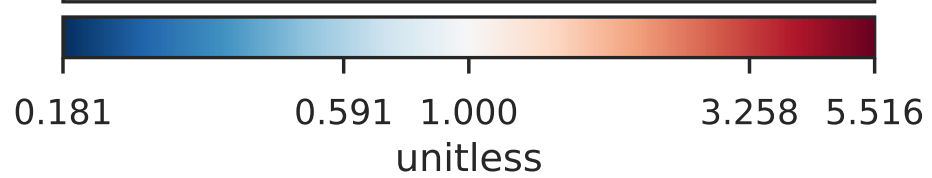
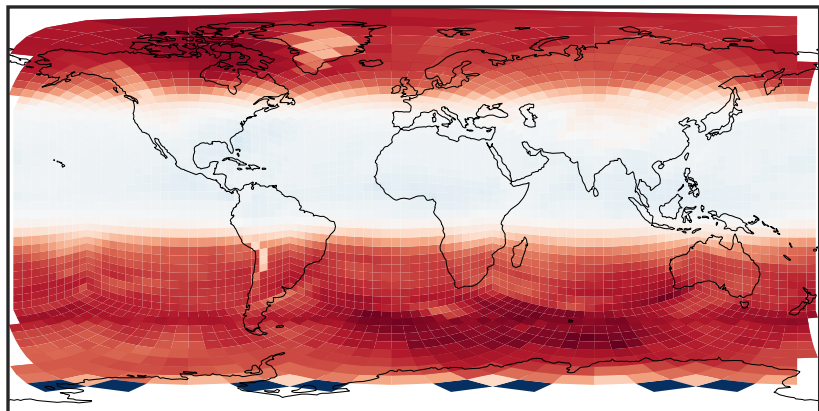
Difference  
Dev - Ref, Dynamic Range



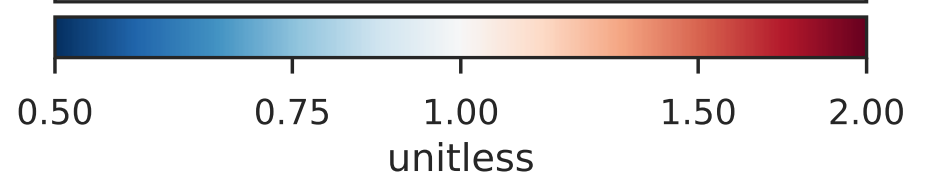
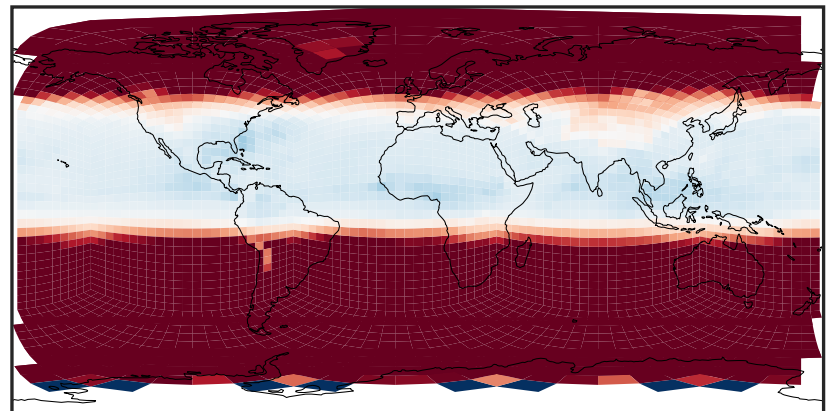
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



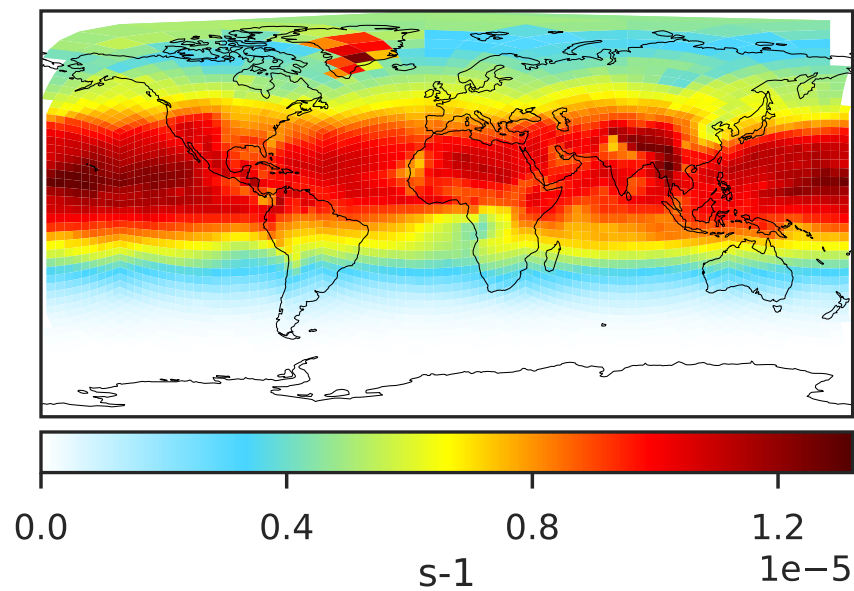
Ratio  
Dev/Ref, Fixed Range



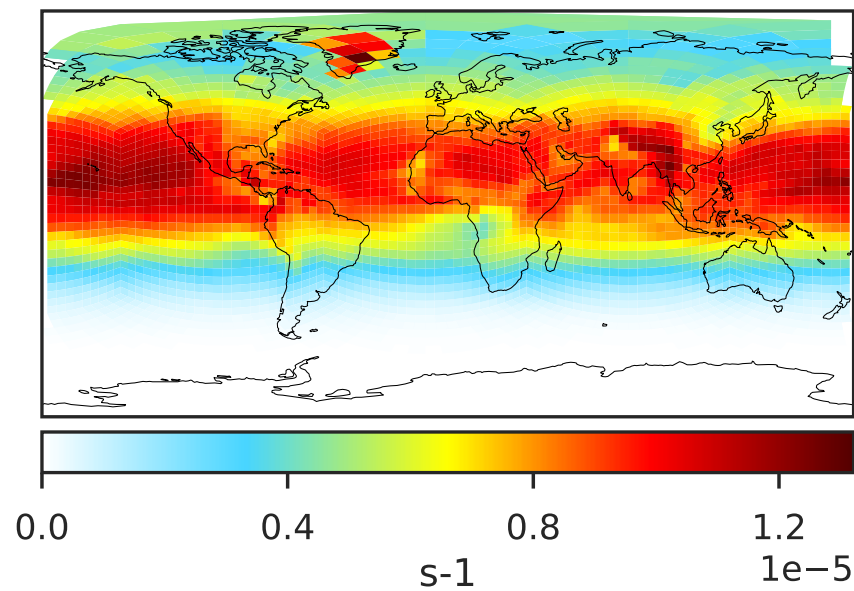


# Jval\_O3 (Jul2019)

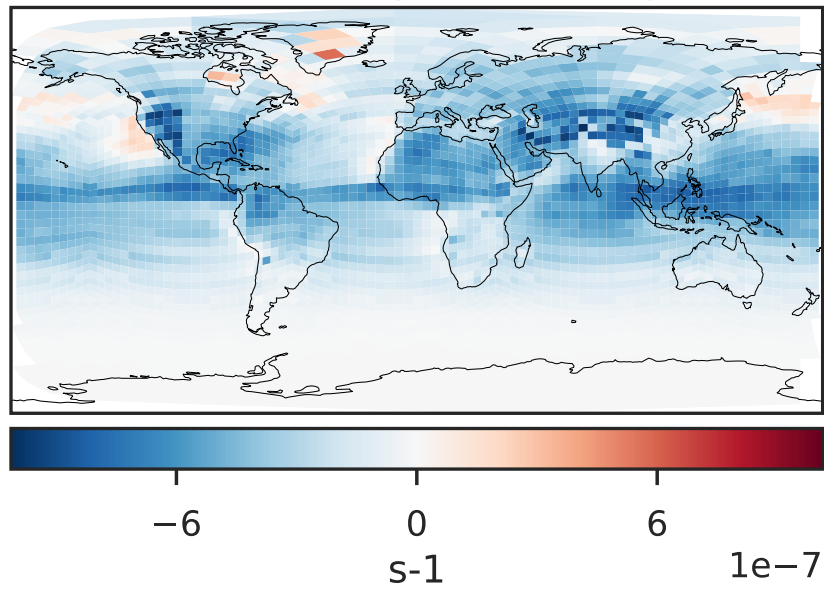
14.2.0-rc.2 (Ref)  
c24



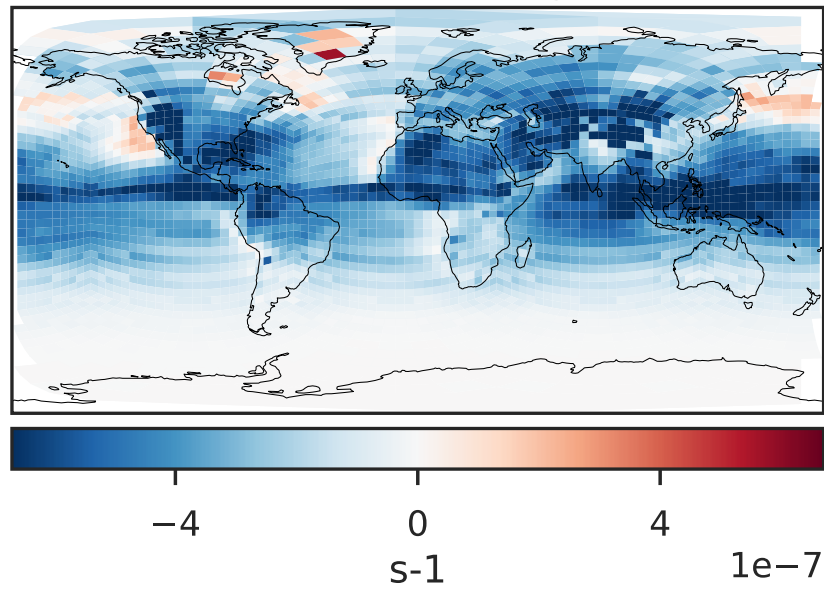
14.3.0-rc.0 (Dev)  
c24



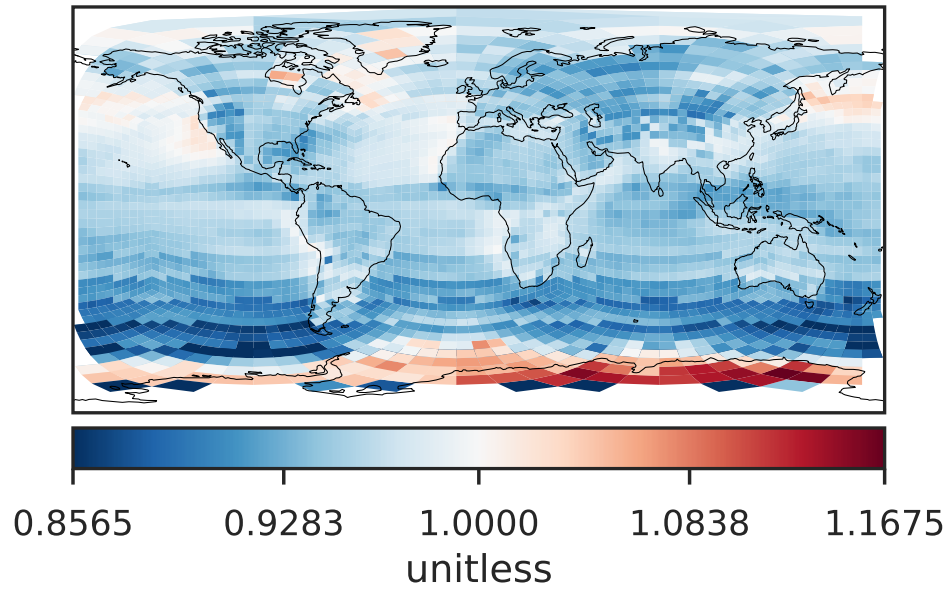
Difference  
Dev - Ref, Dynamic Range



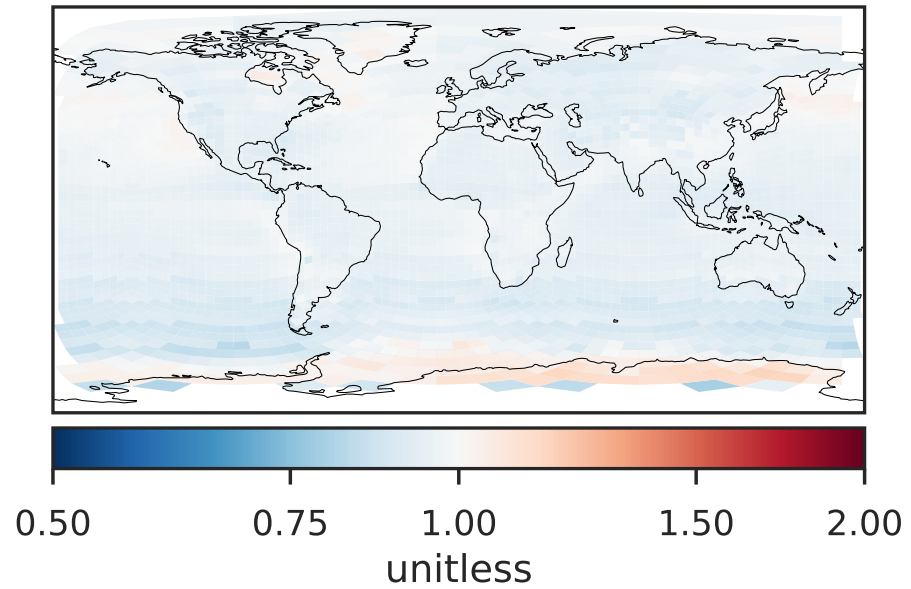
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

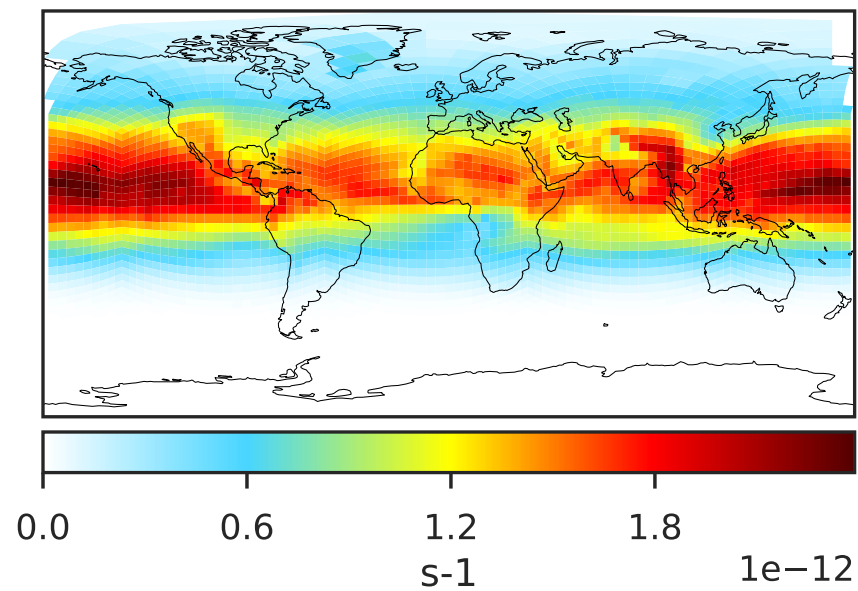


Ratio  
Dev/Ref, Fixed Range

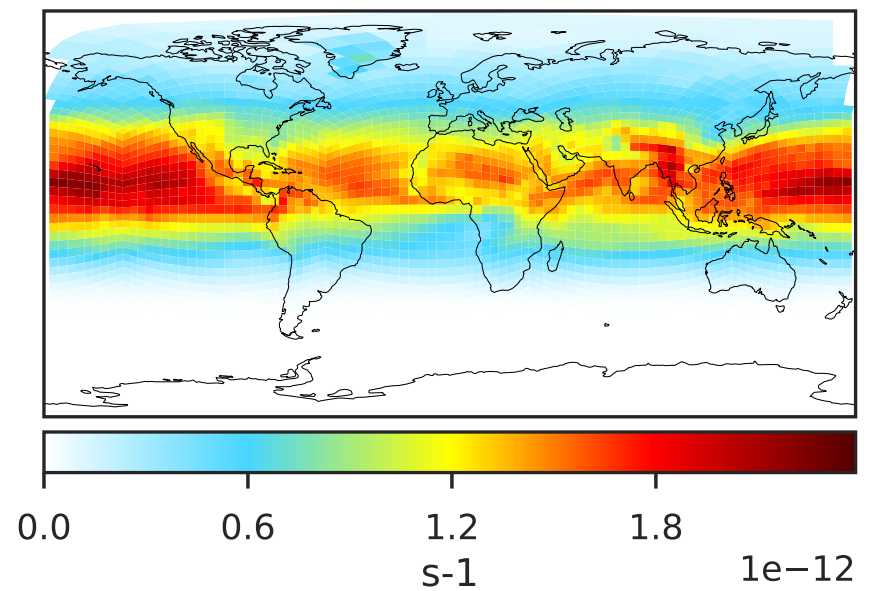


# Jval\_OCS (Jul2019)

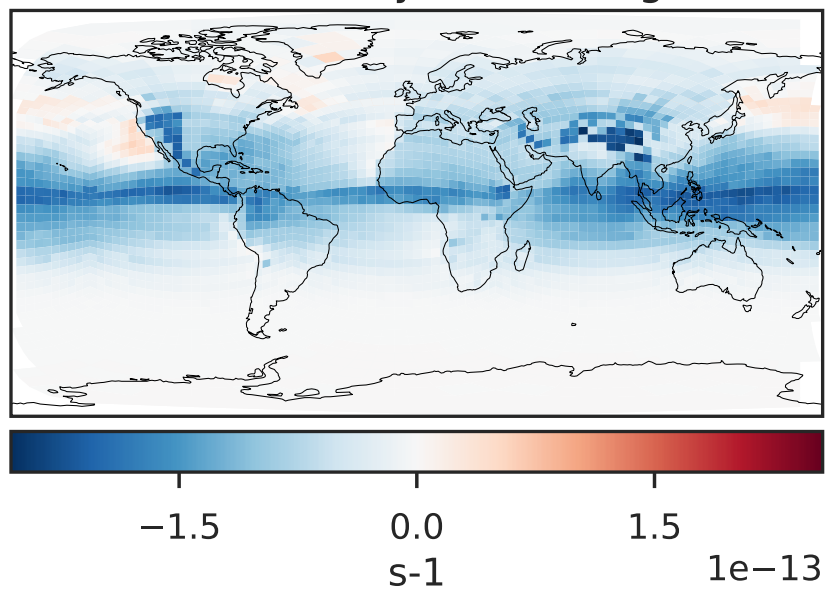
14.2.0-rc.2 (Ref)  
c24



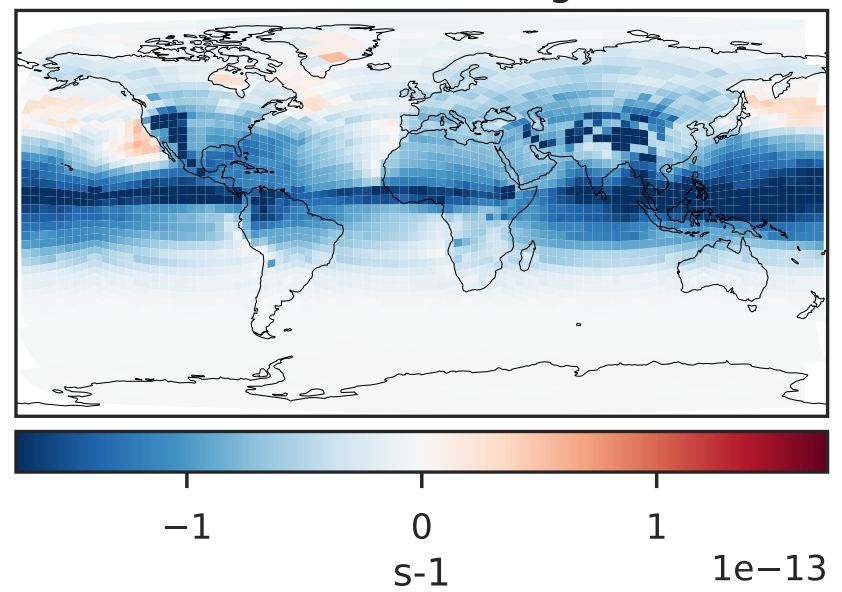
14.3.0-rc.0 (Dev)  
c24



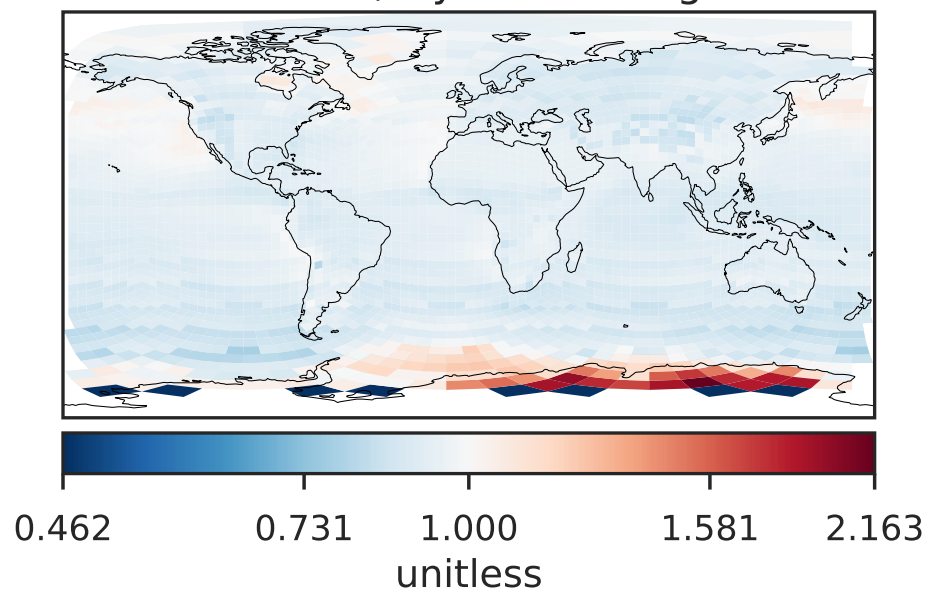
Difference  
Dev - Ref, Dynamic Range



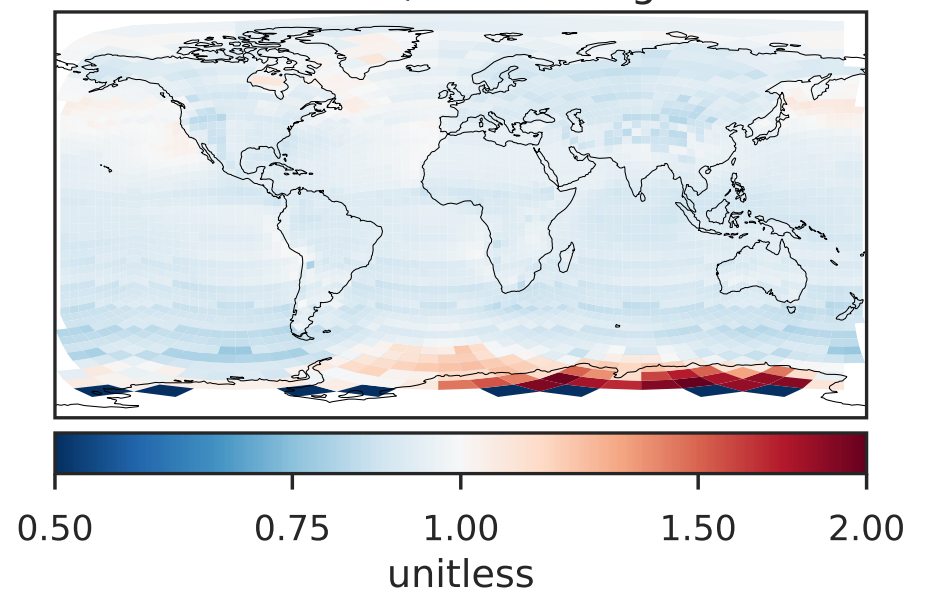
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



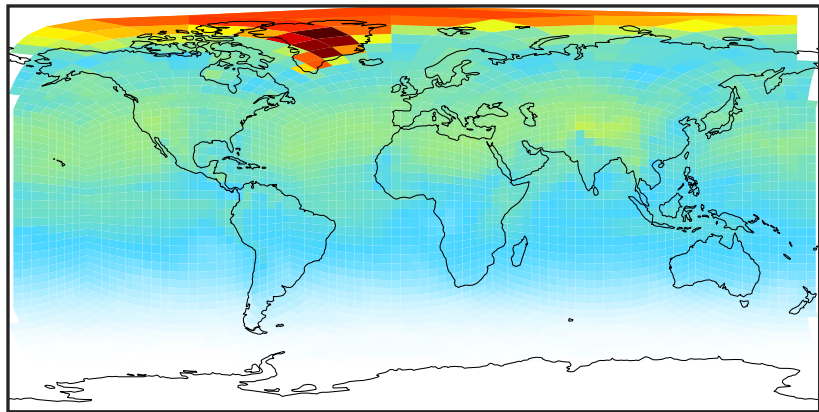
Ratio  
Dev/Ref, Fixed Range





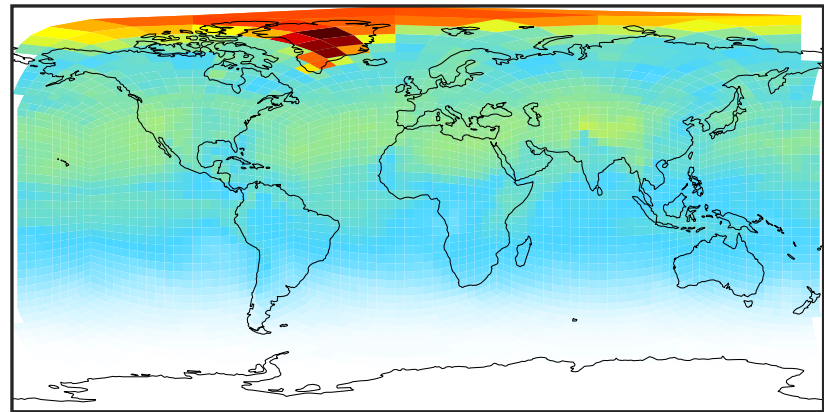
# Jval\_OCIO (Jul2019)

14.2.0-rc.2 (Ref)  
c24



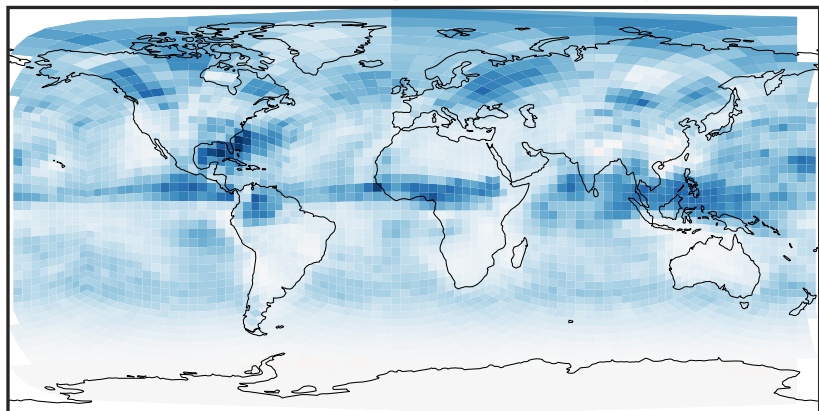
0.000 0.025 0.050 0.075  
s-1

14.3.0-rc.0 (Dev)  
c24



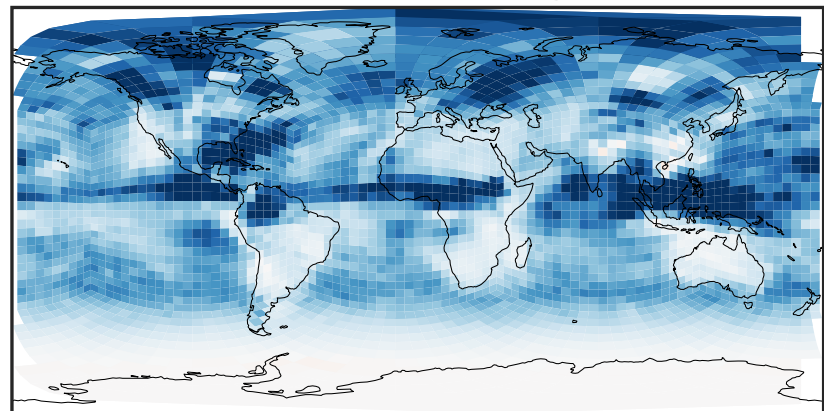
0.000 0.025 0.050 0.075  
s-1

Difference  
Dev - Ref, Dynamic Range



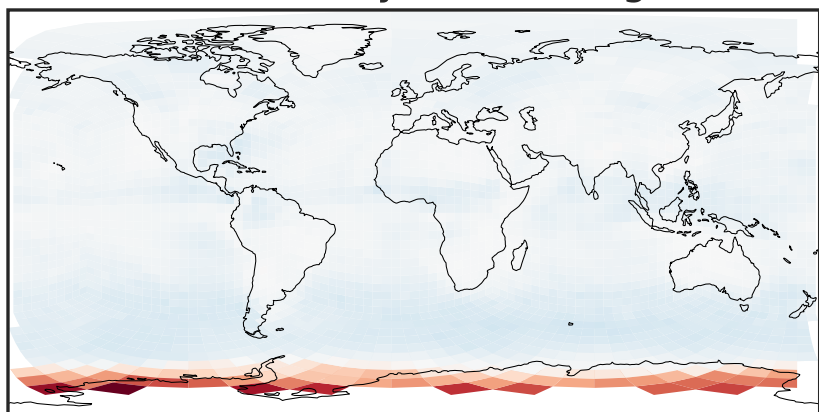
-0.001 0.000 0.001  
s-1

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



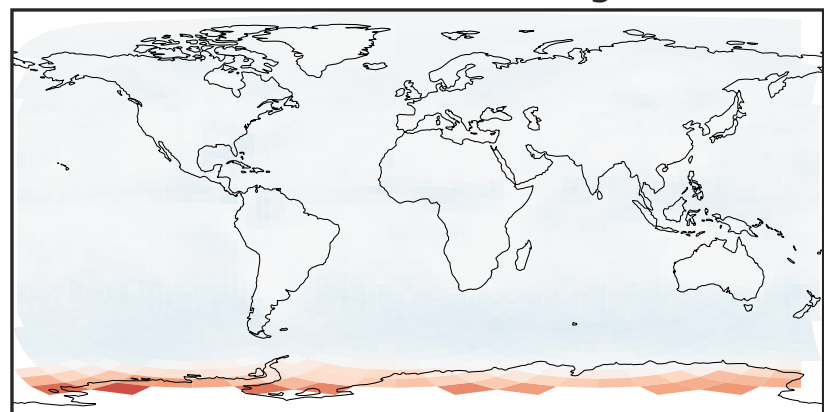
-0.0005 0.0000 0.0005  
s-1

Ratio  
Dev/Ref, Dynamic Range



0.6413 0.8206 1.0000 1.2797 1.5594  
unitless

Ratio  
Dev/Ref, Fixed Range

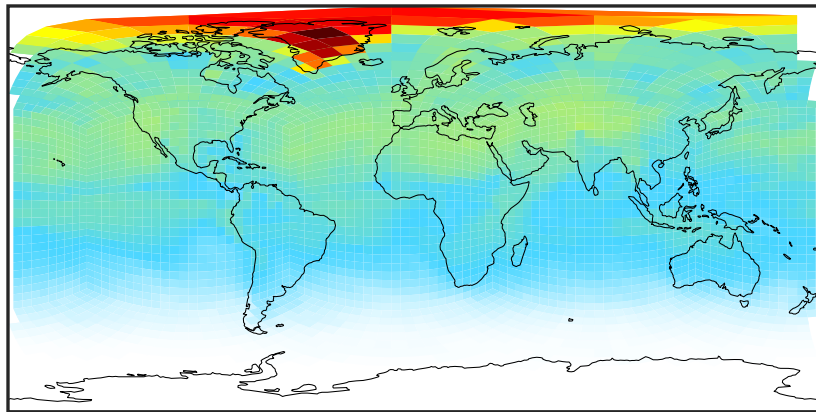


0.50 0.75 1.00 1.50 2.00  
unitless



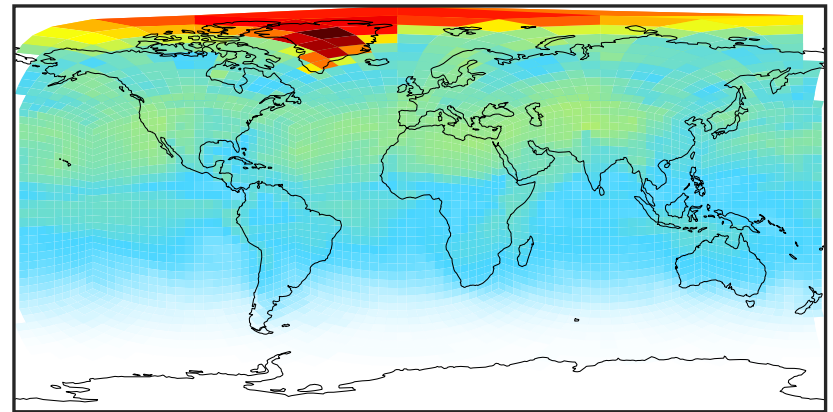
# Jval\_OIO (Jul2019)

14.2.0-rc.2 (Ref)  
c24



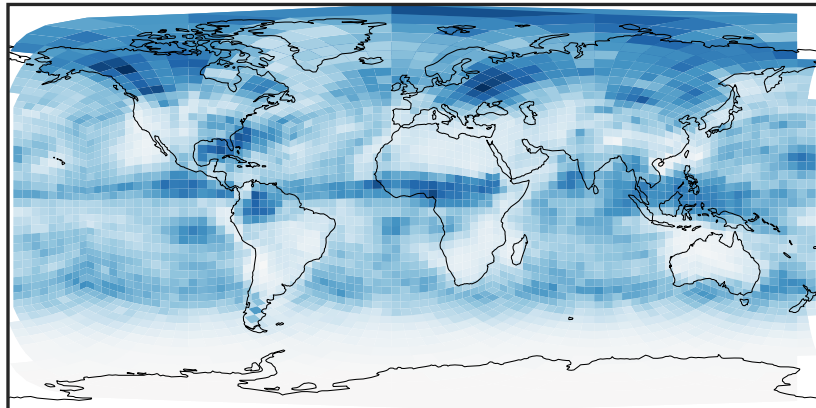
0.0000 0.0742 0.1485 0.2227 0.2970  
s-1

14.3.0-rc.0 (Dev)  
c24



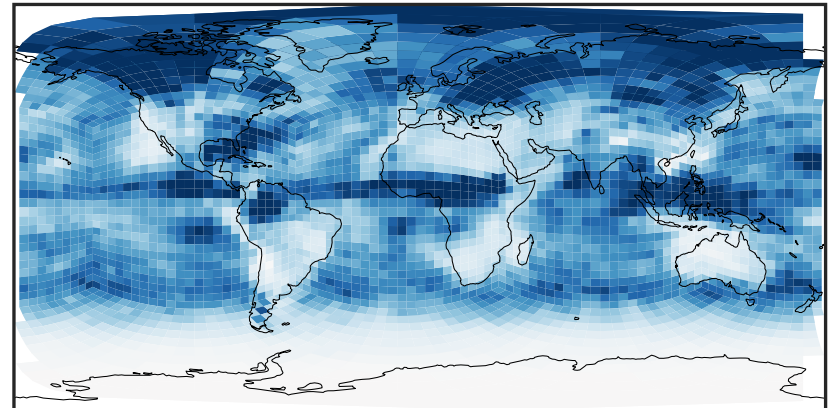
0.0000 0.0742 0.1485 0.2227 0.2970  
s-1

Difference  
Dev - Ref, Dynamic Range



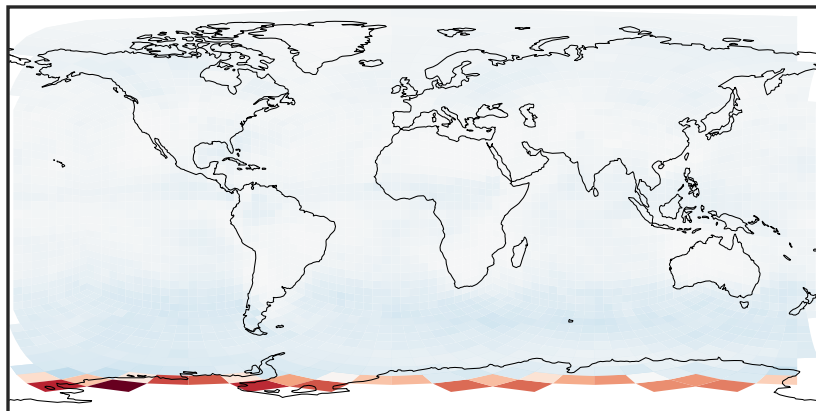
-0.003 0.000 0.003  
s-1

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



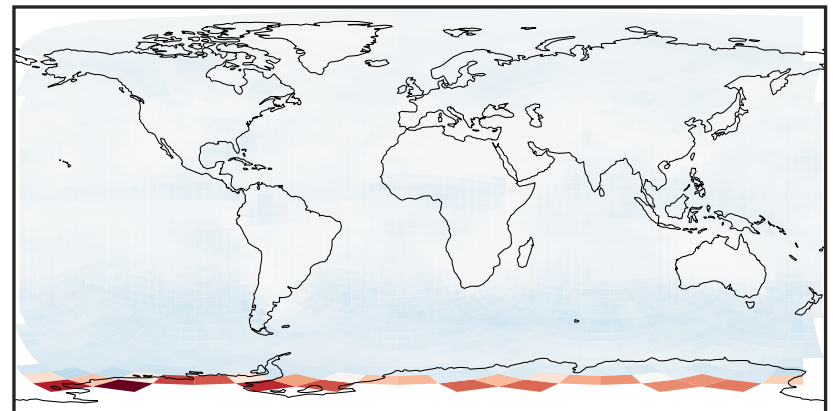
-0.002 0.000 0.002  
s-1

Ratio  
Dev/Ref, Dynamic Range



0.494 0.747 1.000 1.511 2.022  
unitless

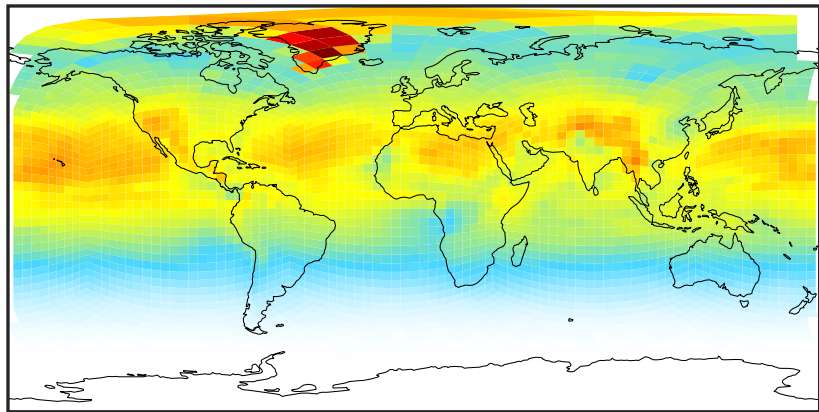
Ratio  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

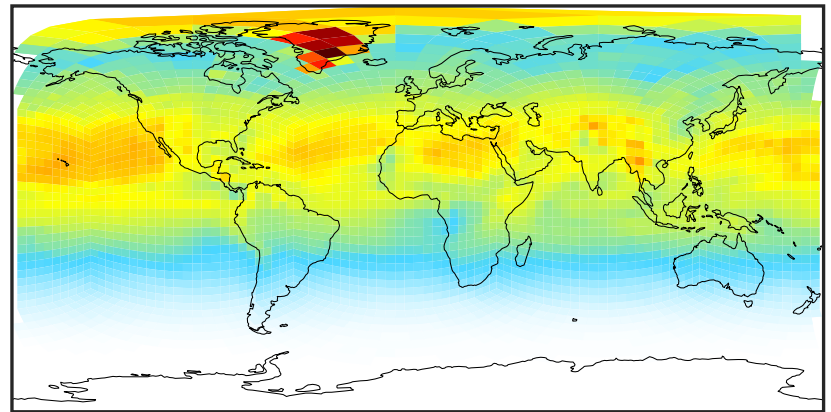
# Jval\_PAN (Jul2019)

14.2.0-rc.2 (Ref)  
c24



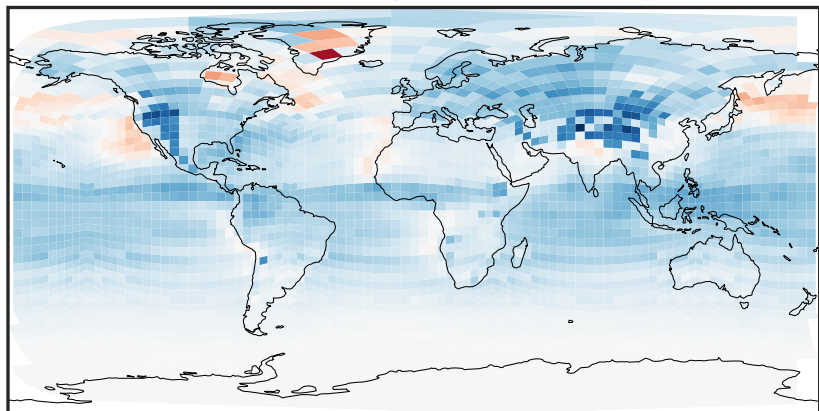
0.0 1.5 3.0 4.5  
s-1  $1e-7$

14.3.0-rc.0 (Dev)  
c24



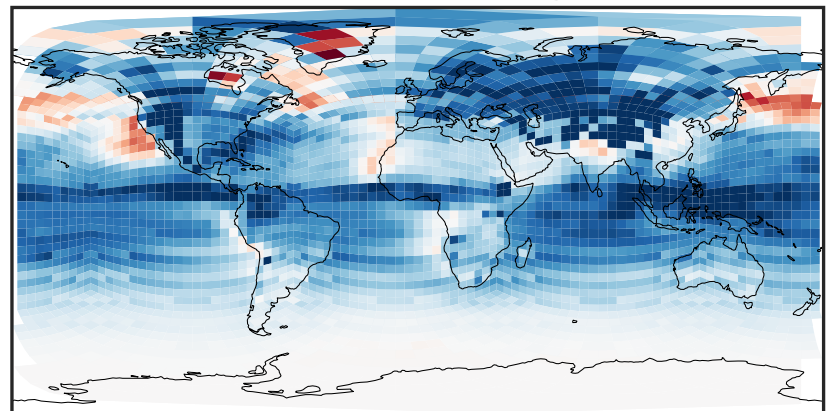
0.0 1.5 3.0 4.5  
s-1  $1e-7$

Difference  
Dev - Ref, Dynamic Range



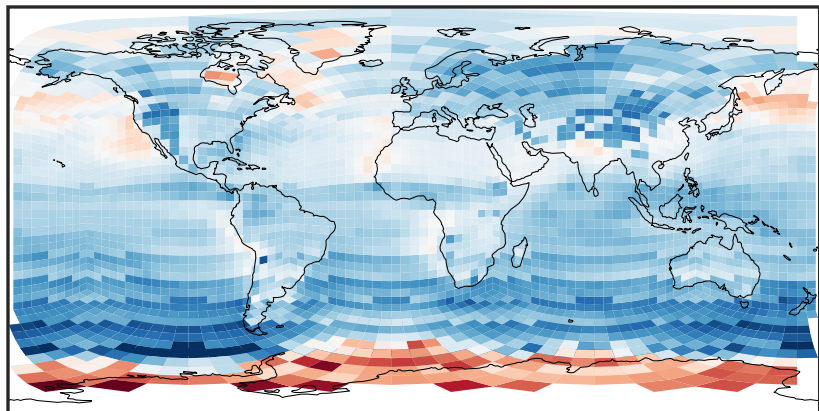
-2 0 2  
s-1  $1e-8$

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



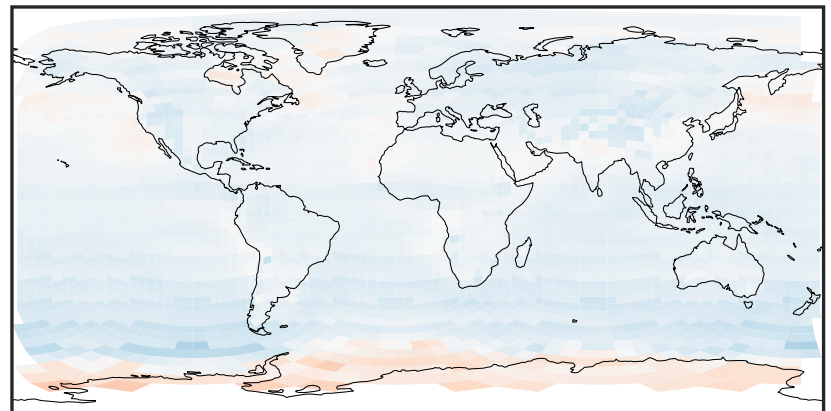
-1 0 1  
s-1  $1e-8$

Ratio  
Dev/Ref, Dynamic Range



0.8382 0.9191 1.0000 1.0965 1.1931  
unitless

Ratio  
Dev/Ref, Fixed Range

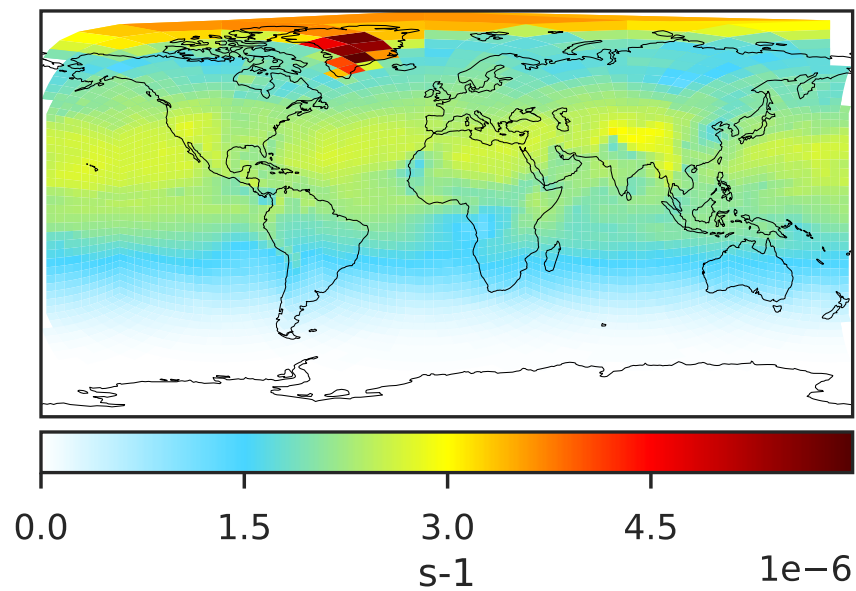


0.50 0.75 1.00 1.50 2.00  
unitless

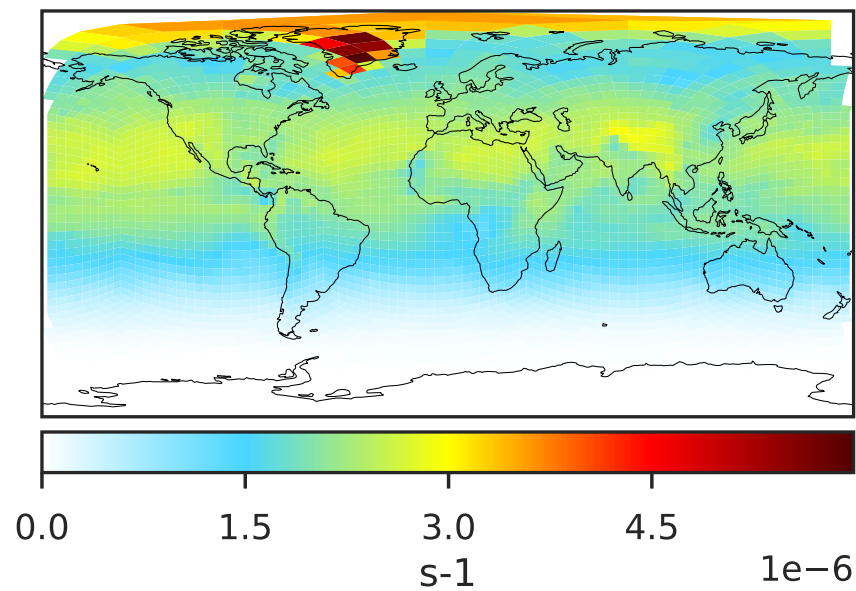


# Jval\_PIP (Jul2019)

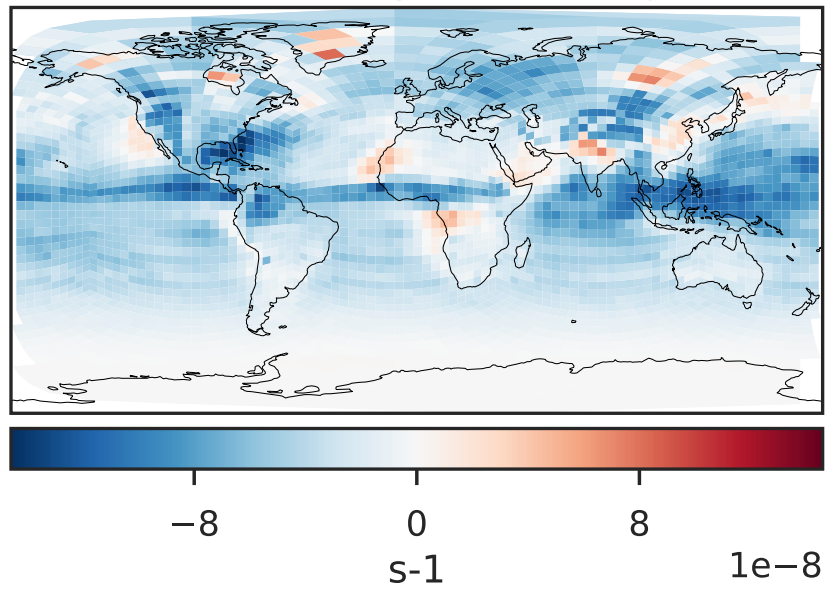
14.2.0-rc.2 (Ref)  
c24



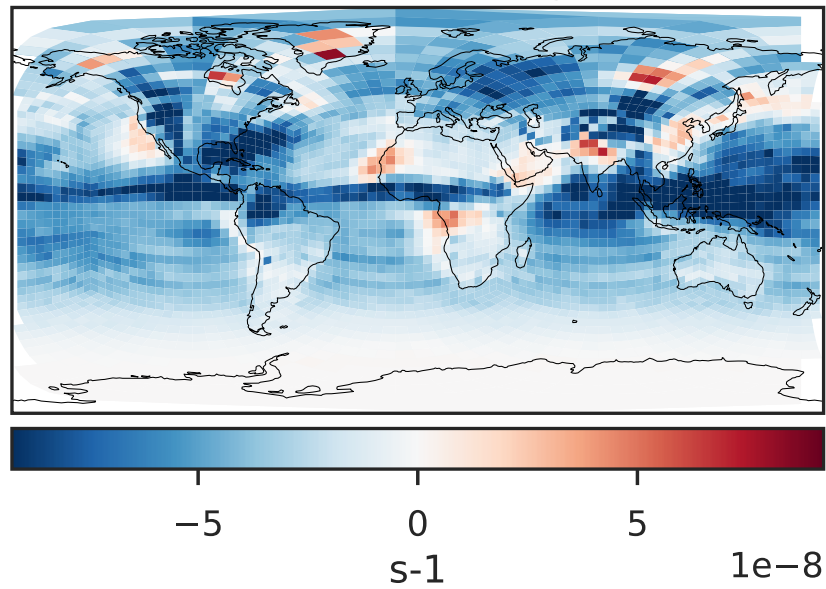
14.3.0-rc.0 (Dev)  
c24



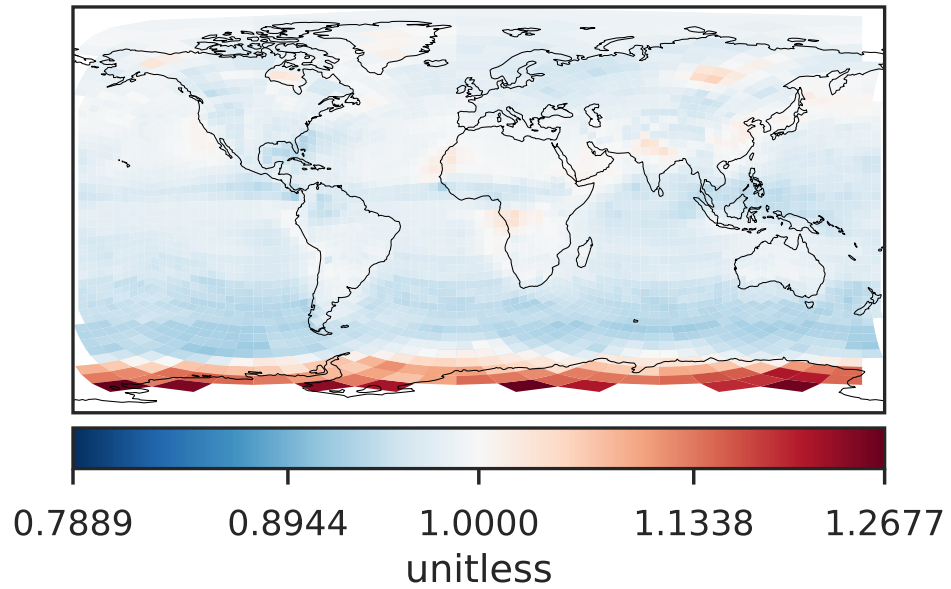
Difference  
Dev - Ref, Dynamic Range



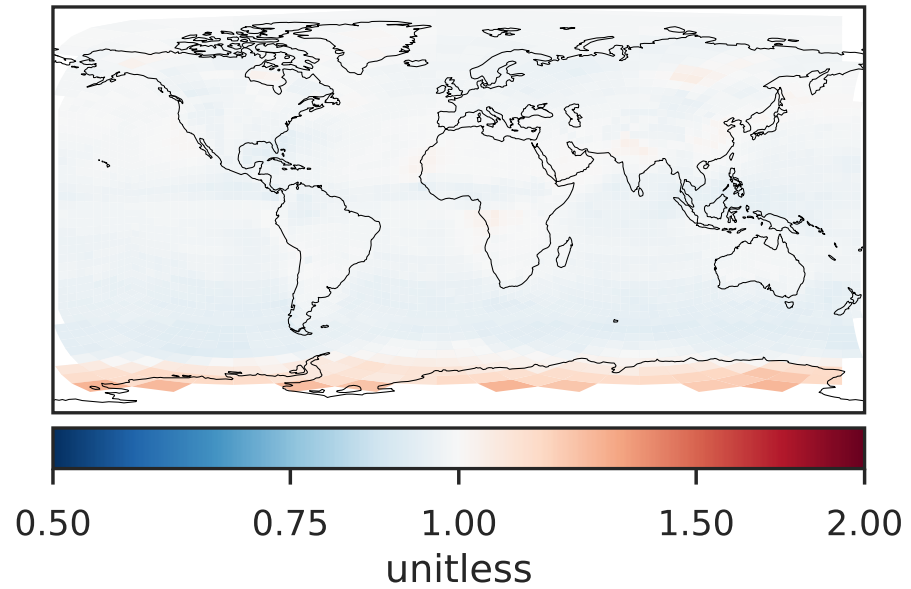
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



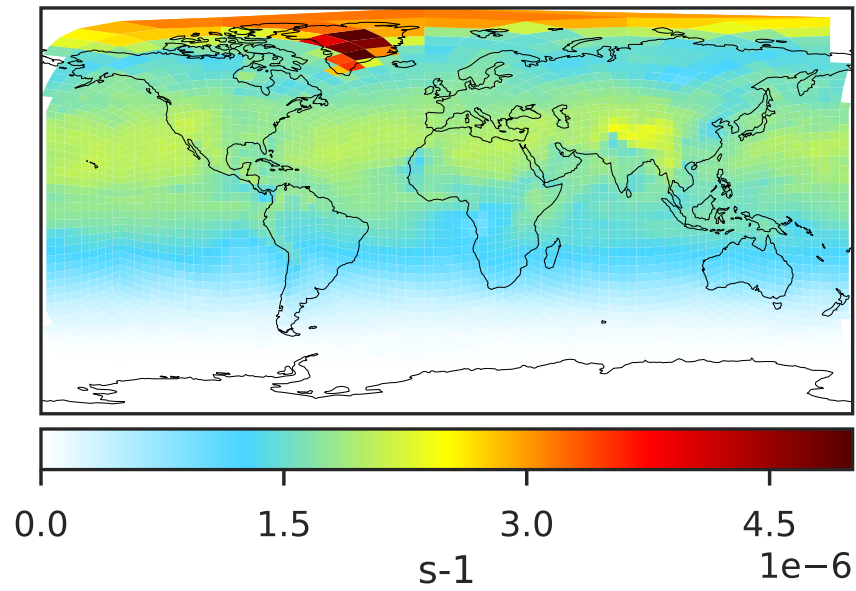
Ratio  
Dev/Ref, Fixed Range



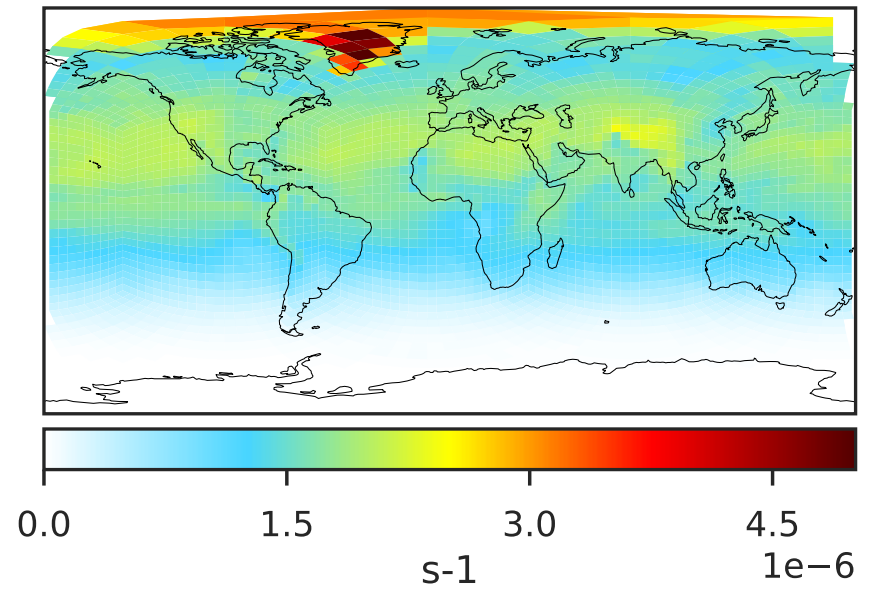


# Jval\_PP (Jul2019)

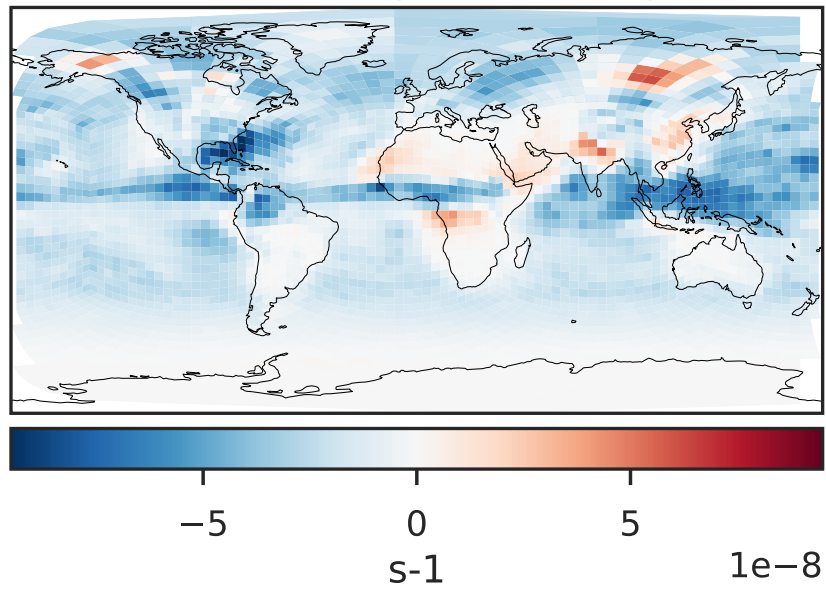
14.2.0-rc.2 (Ref)  
c24



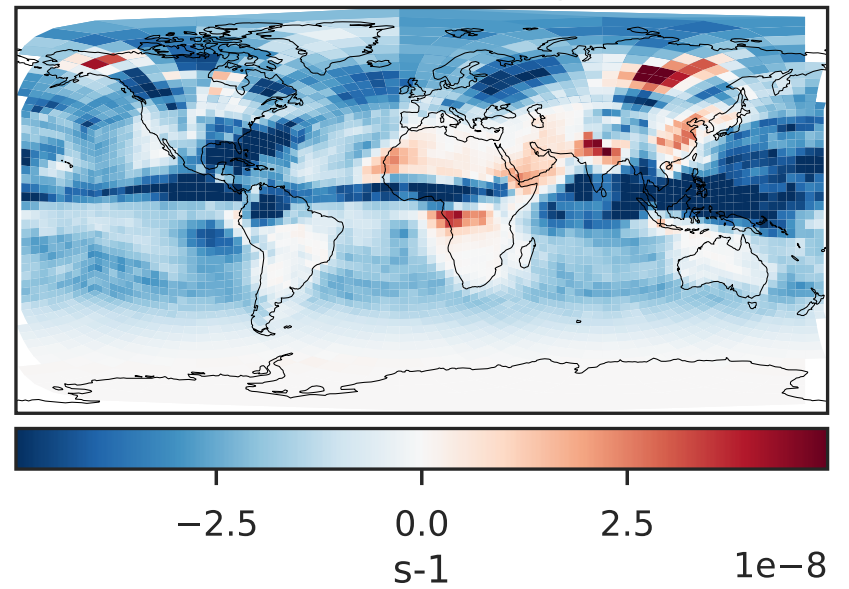
14.3.0-rc.0 (Dev)  
c24



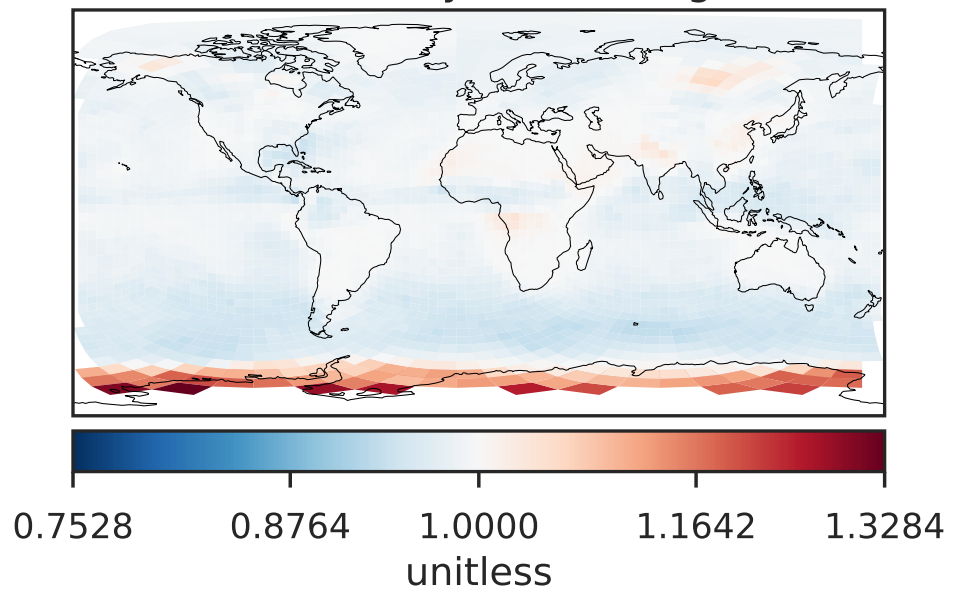
Difference  
Dev - Ref, Dynamic Range



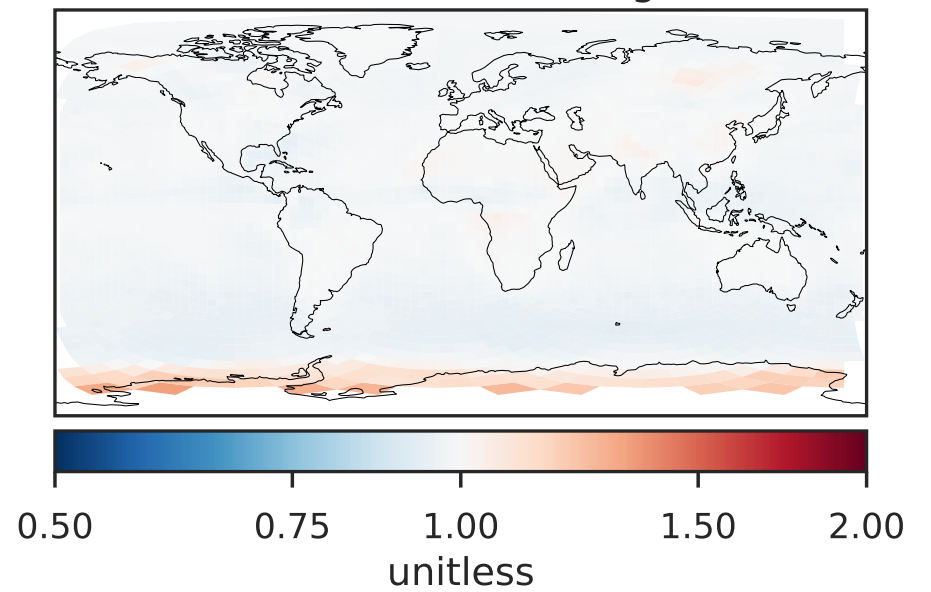
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

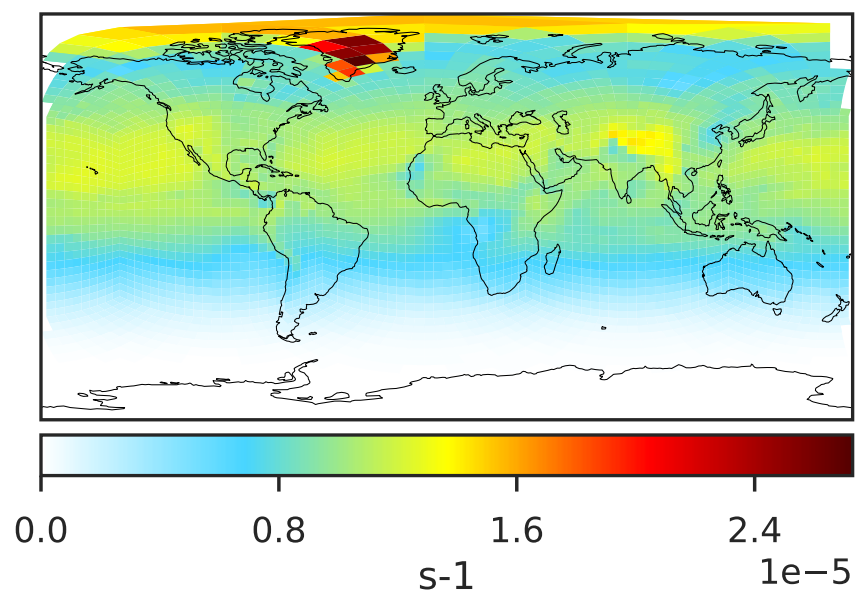


Ratio  
Dev/Ref, Fixed Range

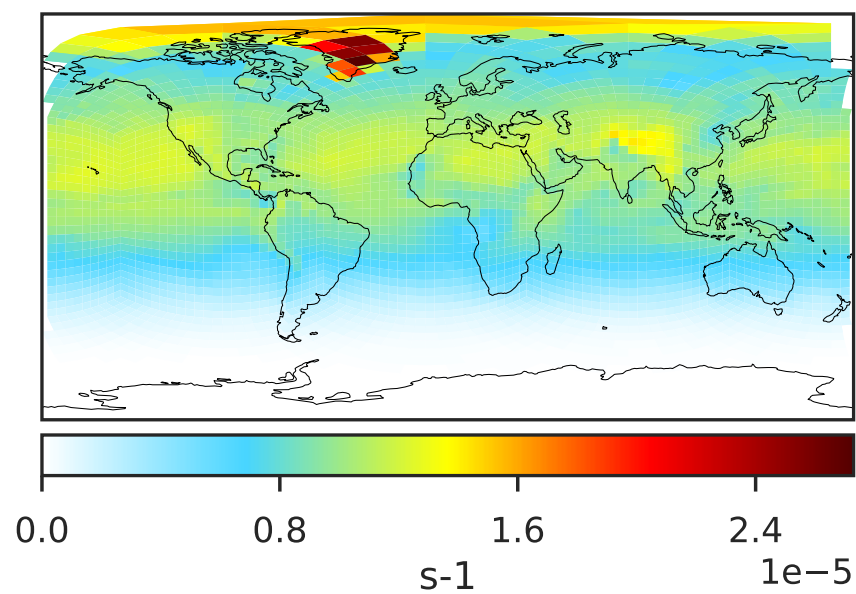


# Jval\_PROPNN (Jul2019)

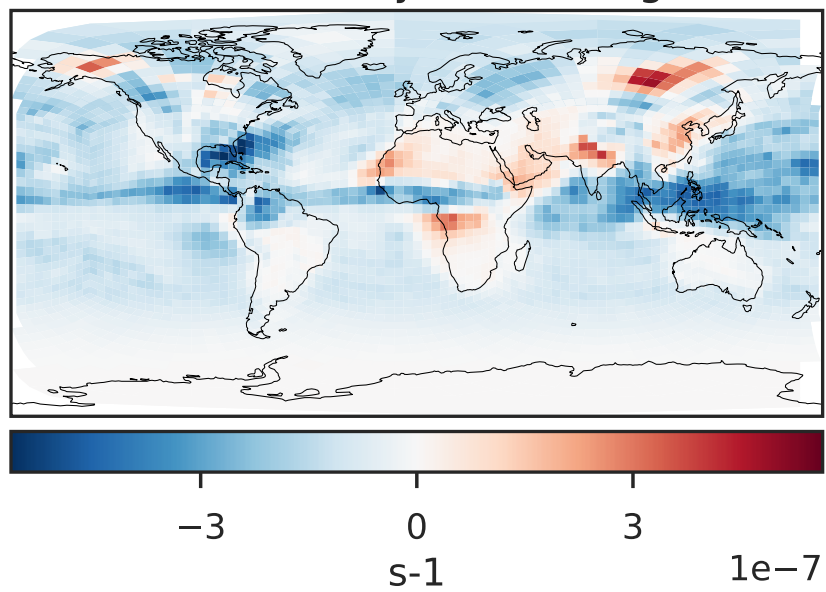
14.2.0-rc.2 (Ref)  
c24



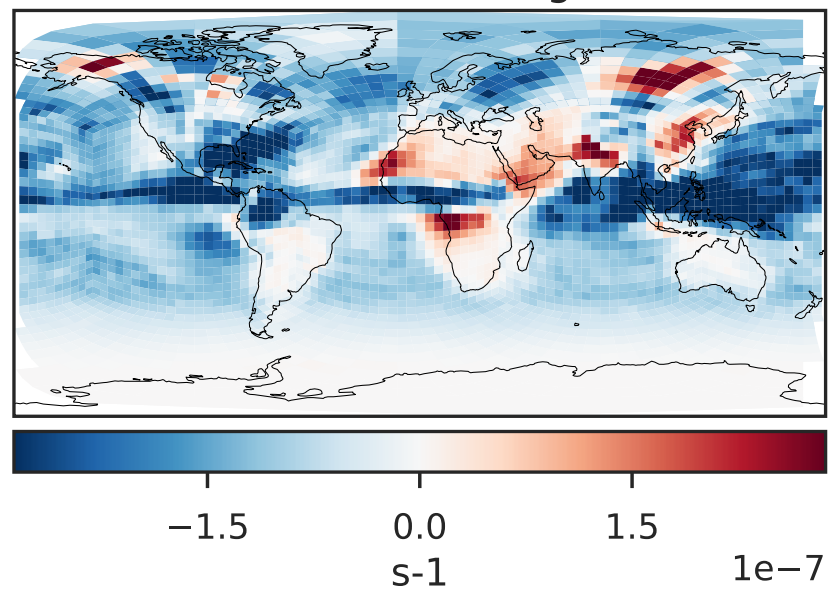
14.3.0-rc.0 (Dev)  
c24



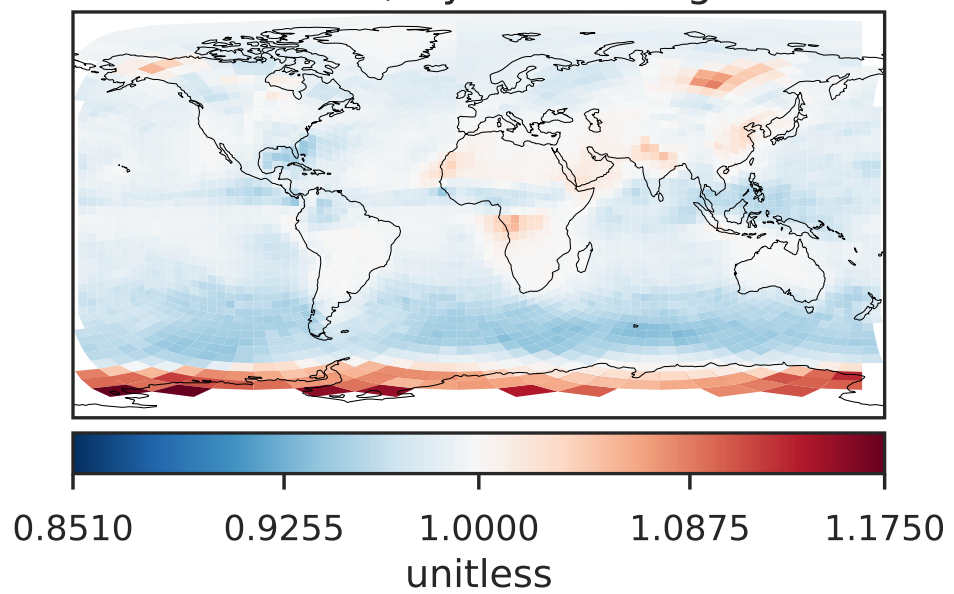
Difference  
Dev - Ref, Dynamic Range



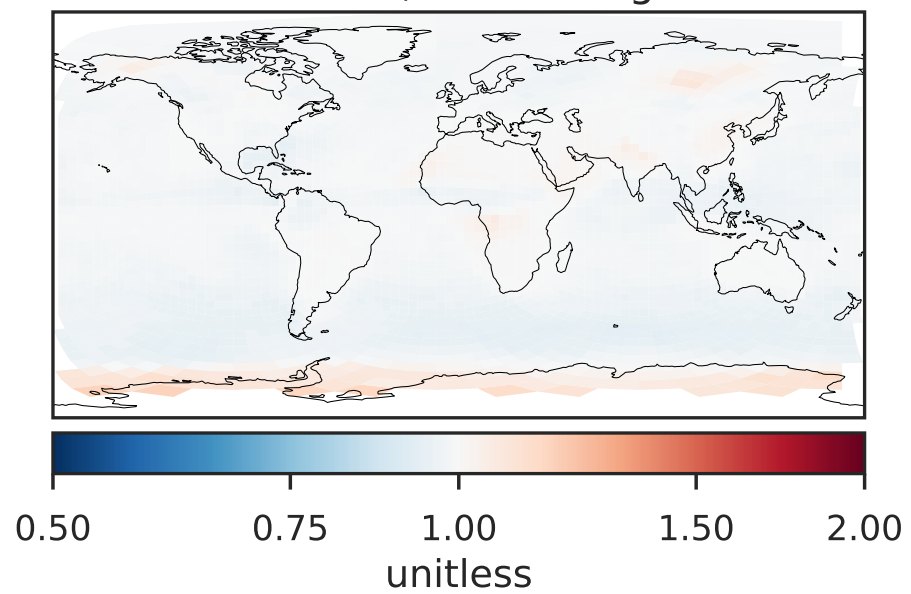
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



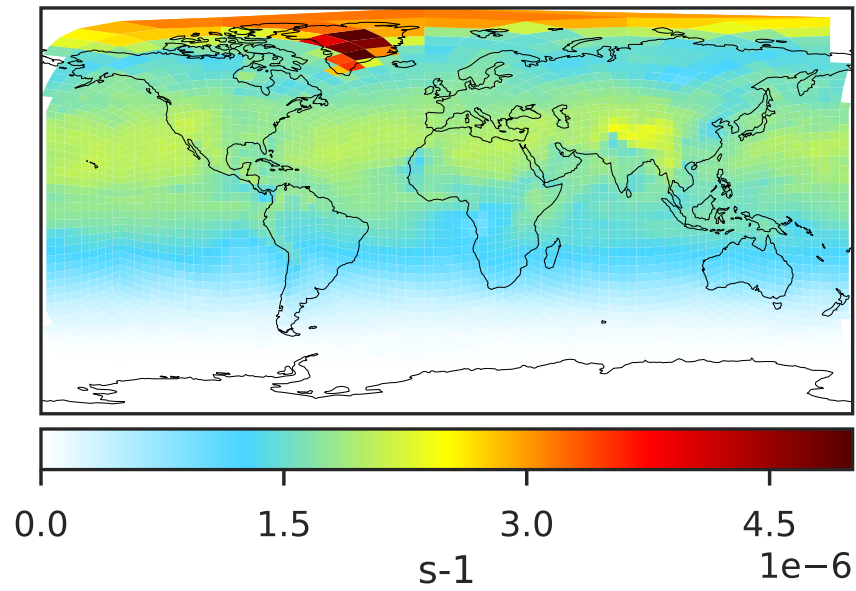
Ratio  
Dev/Ref, Fixed Range



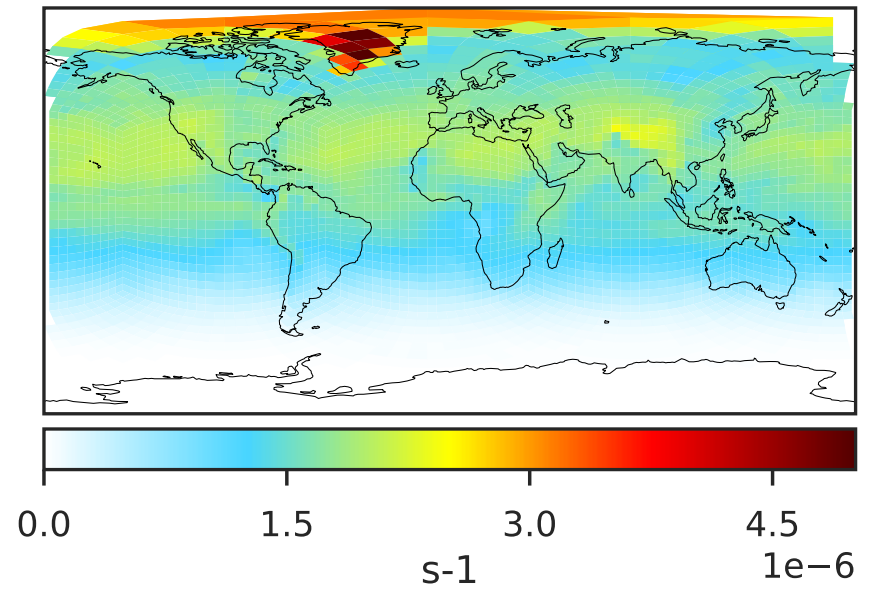


# Jval\_PRPN (Jul2019)

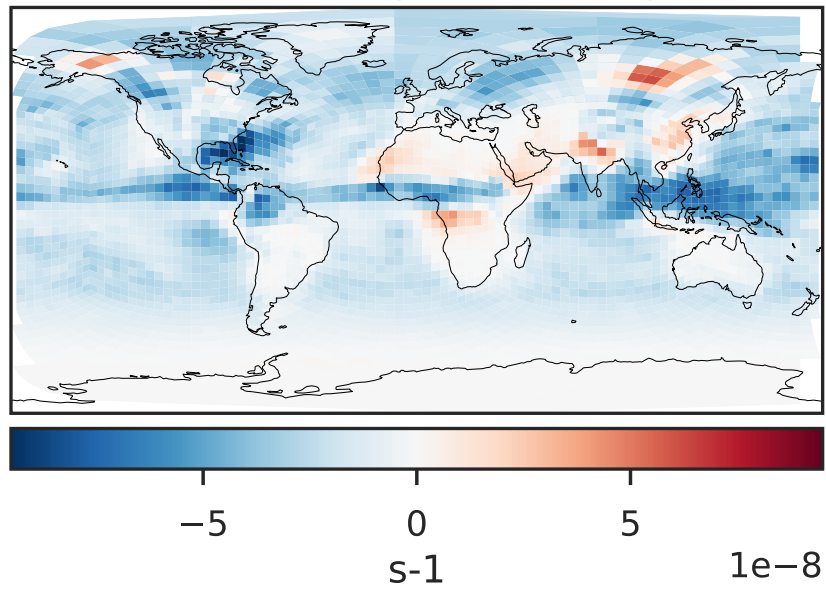
14.2.0-rc.2 (Ref)  
c24



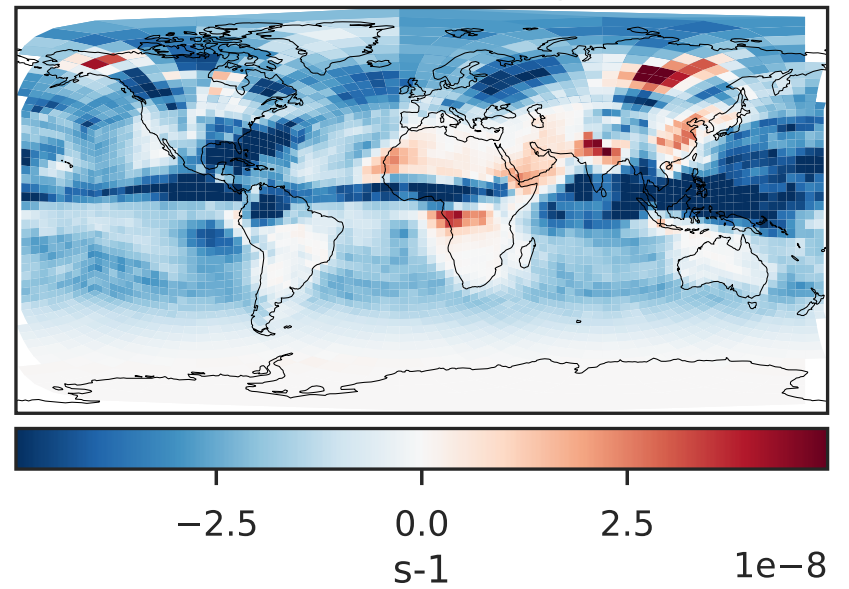
14.3.0-rc.0 (Dev)  
c24



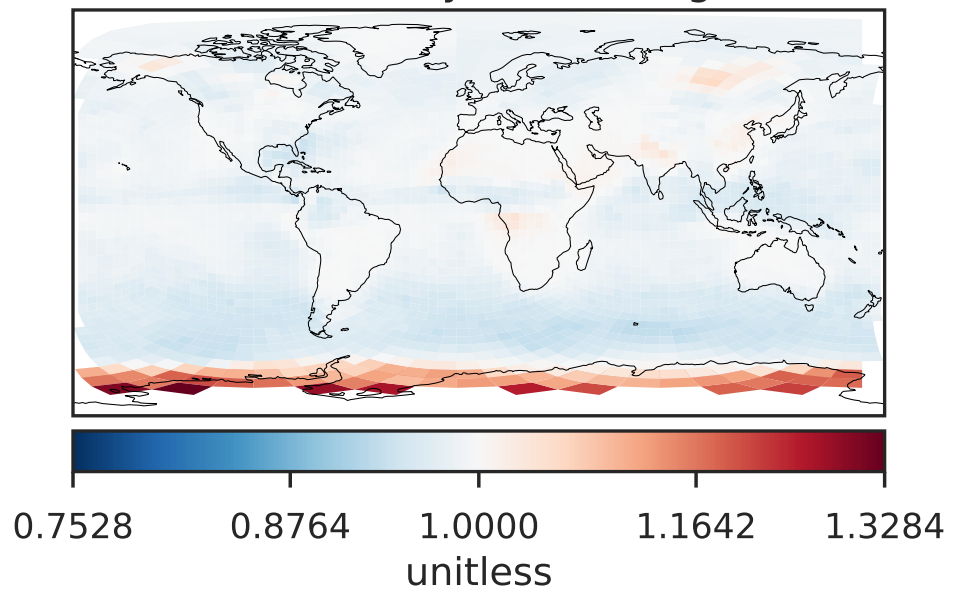
Difference  
Dev - Ref, Dynamic Range



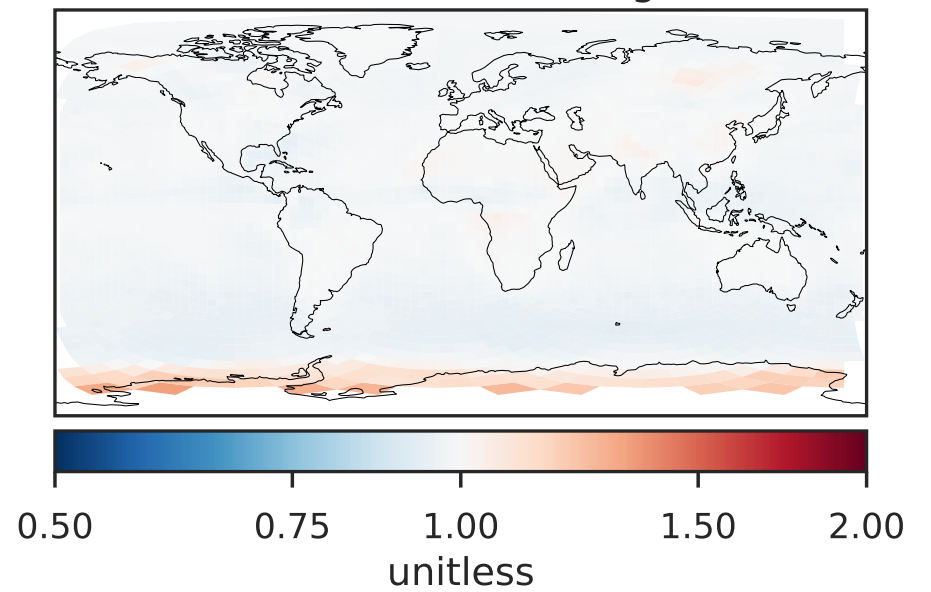
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



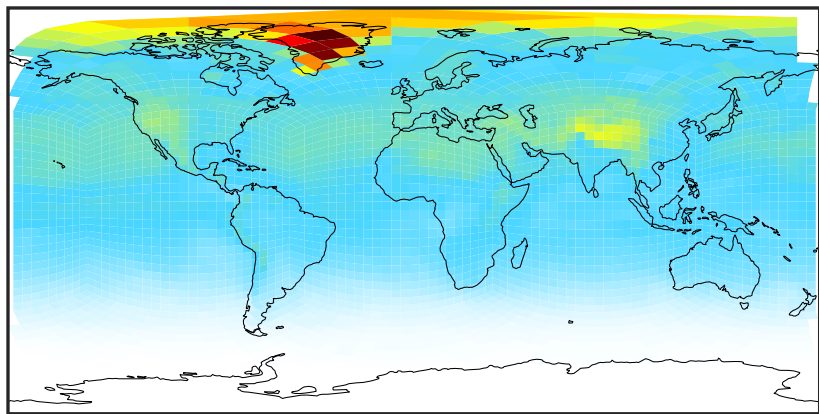
Ratio  
Dev/Ref, Fixed Range





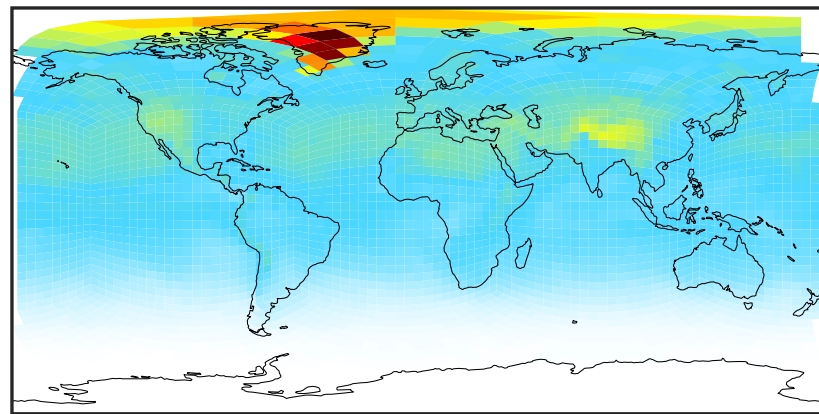
# Jval\_PYAC (Jul2019)

14.2.0-rc.2 (Ref)  
c24



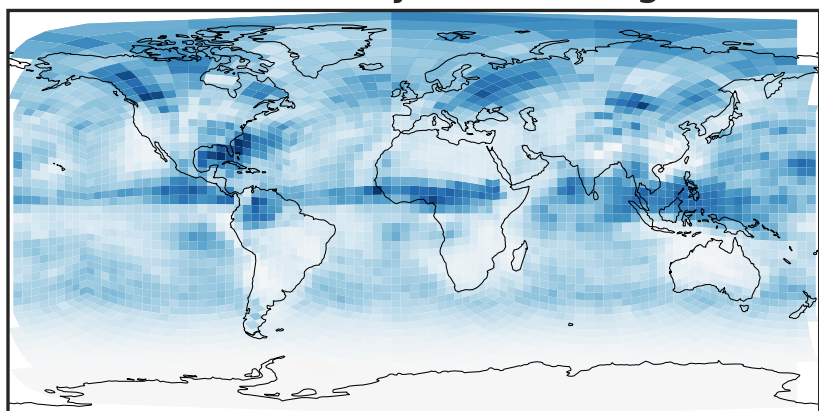
0.00000 0.00006 0.00012 0.00018  
s-1

14.3.0-rc.0 (Dev)  
c24



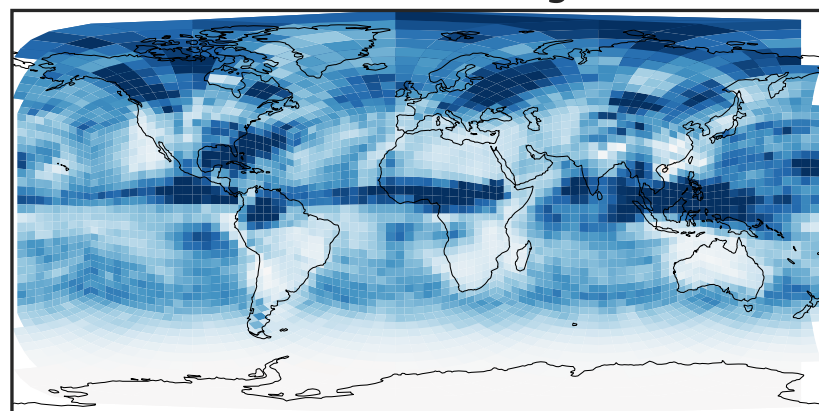
0.00000 0.00006 0.00012 0.00018  
s-1

Difference  
Dev - Ref, Dynamic Range



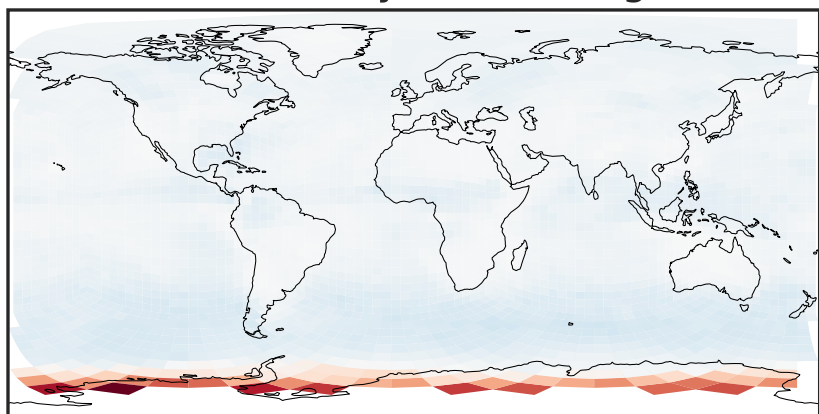
-2 0 2  
s-1  $1e-6$

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



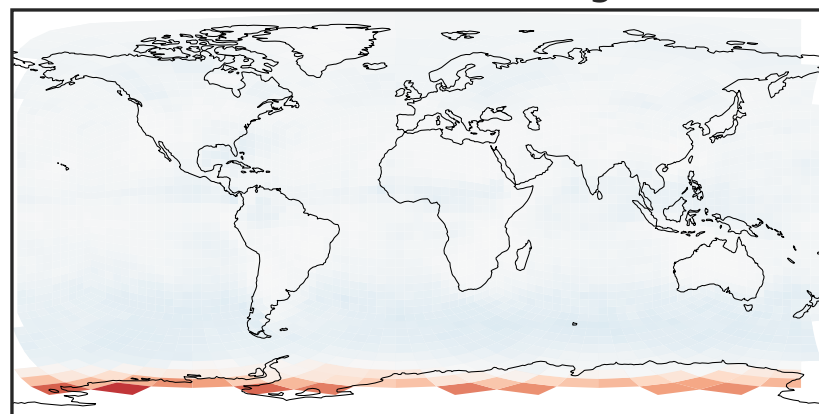
-1.5 0.0 1.5  
s-1  $1e-6$

Ratio  
Dev/Ref, Dynamic Range



0.608 0.804 1.000 1.322 1.644  
unitless

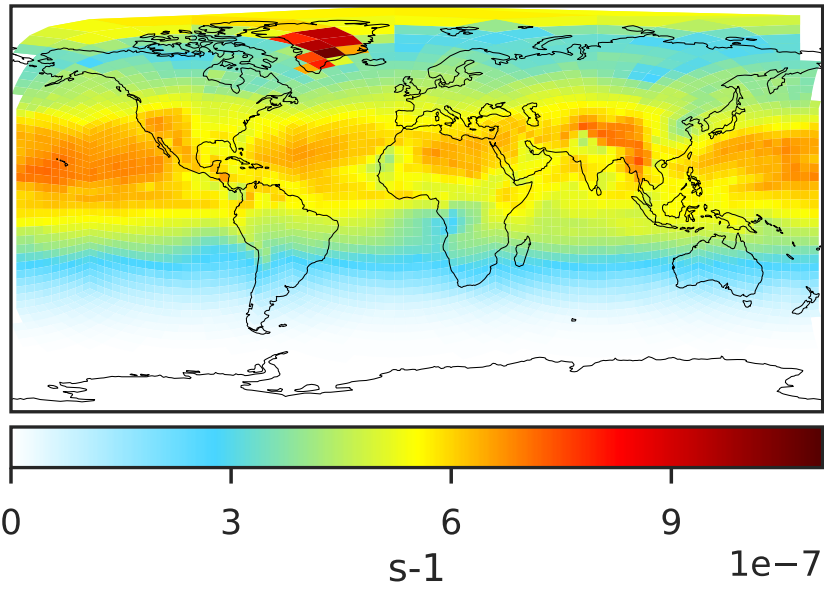
Ratio  
Dev/Ref, Fixed Range



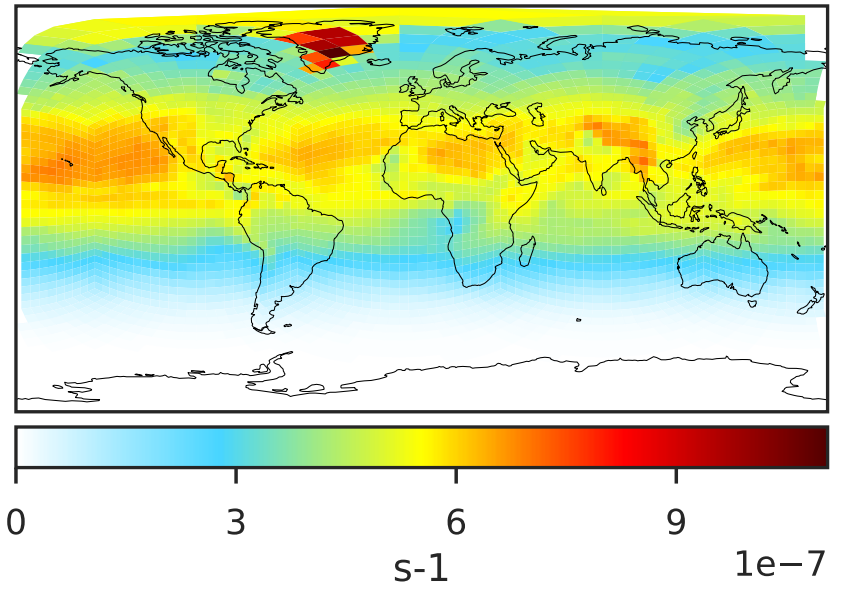
0.50 0.75 1.00 1.50 2.00  
unitless

# Jval\_R4N2 (Jul2019)

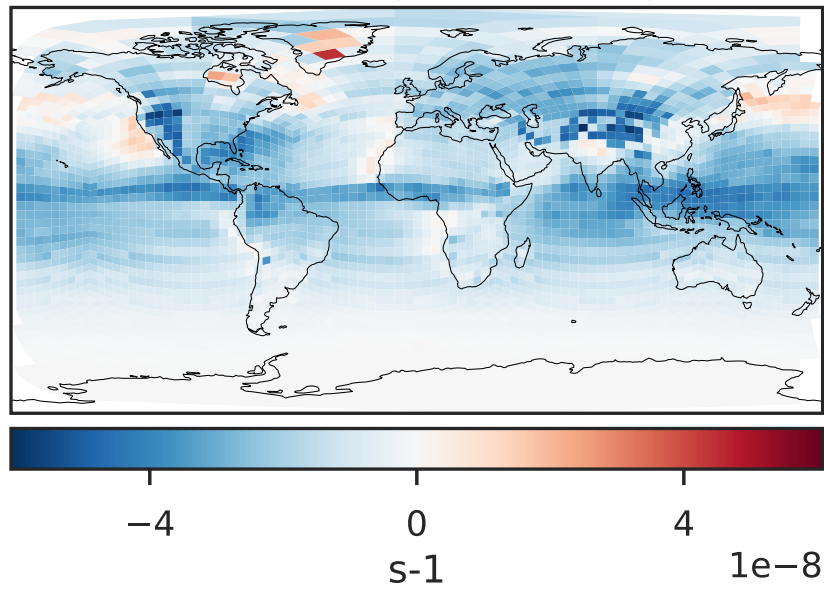
14.2.0-rc.2 (Ref)  
c24



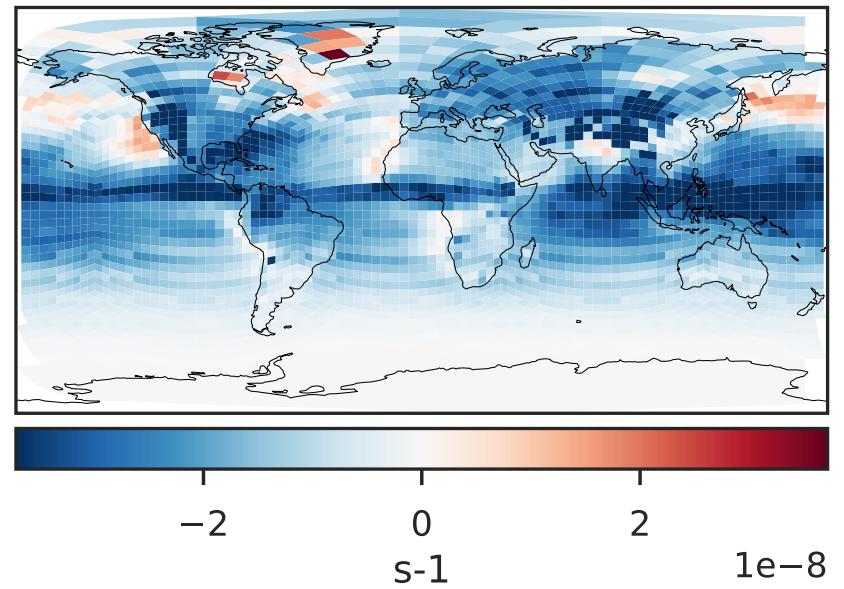
14.3.0-rc.0 (Dev)  
c24



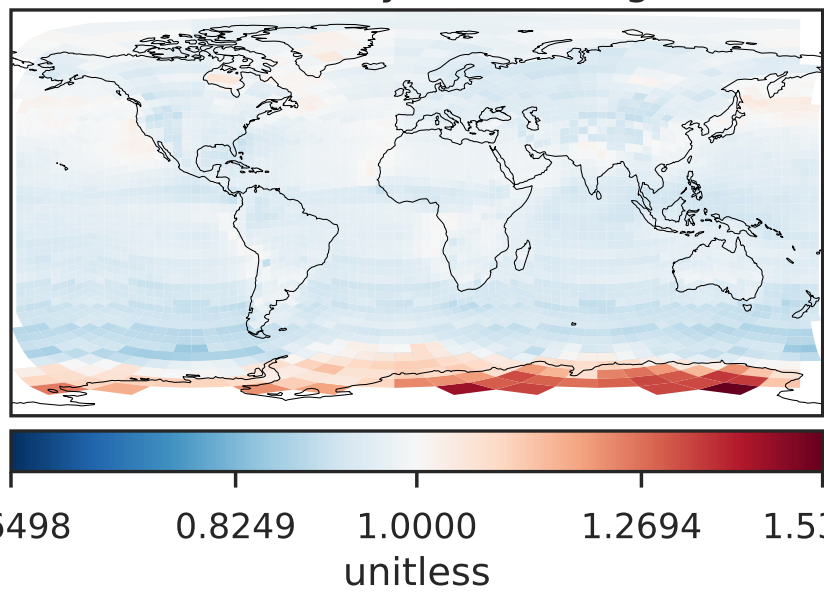
Difference  
Dev - Ref, Dynamic Range



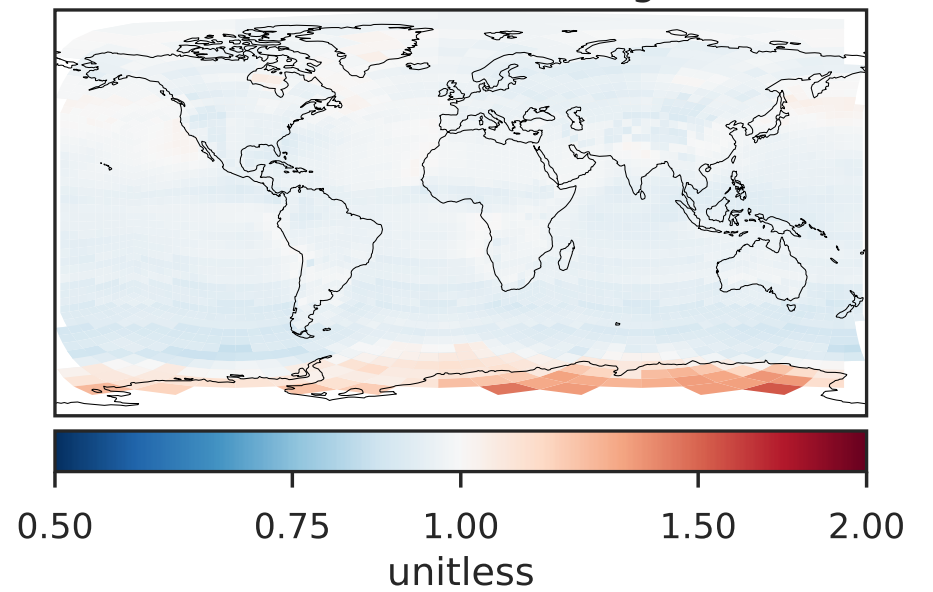
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



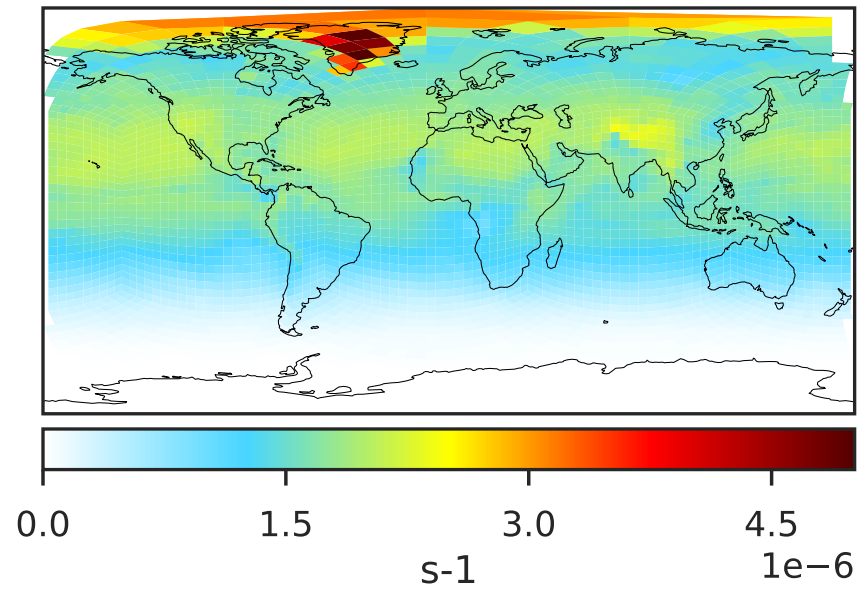
Ratio  
Dev/Ref, Fixed Range



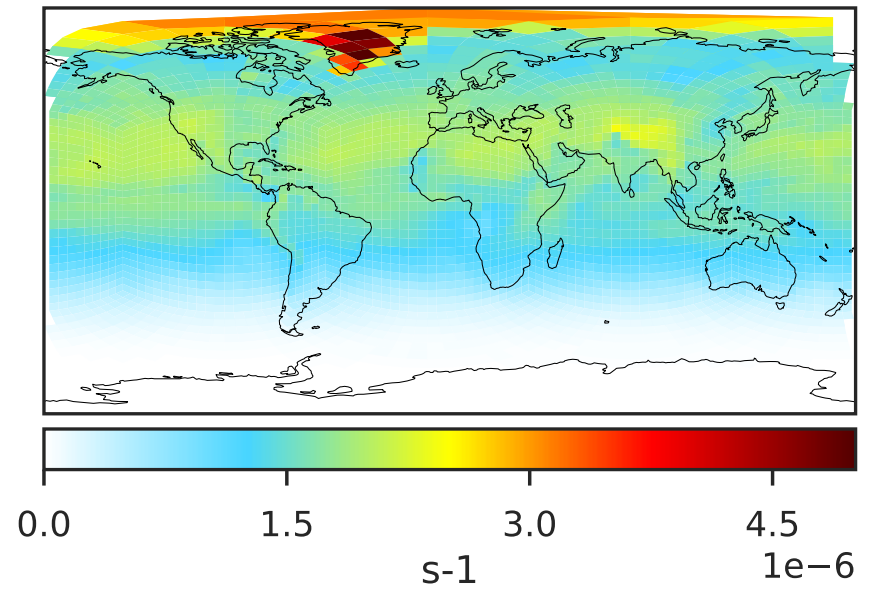


# Jval\_R4P (Jul2019)

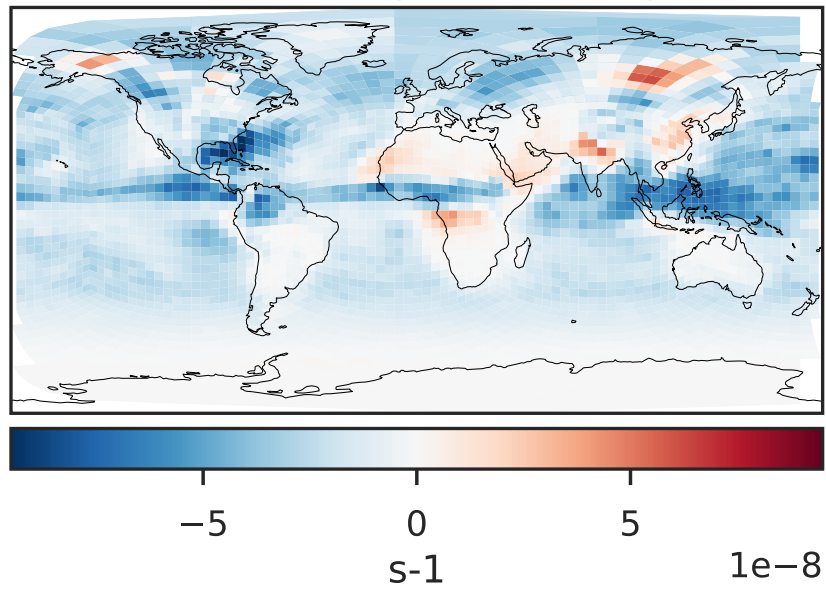
14.2.0-rc.2 (Ref)  
c24



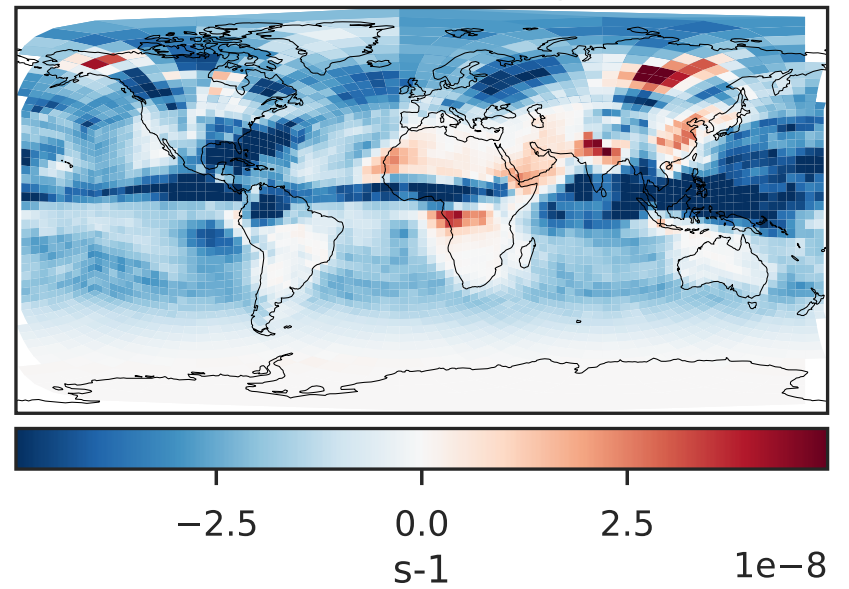
14.3.0-rc.0 (Dev)  
c24



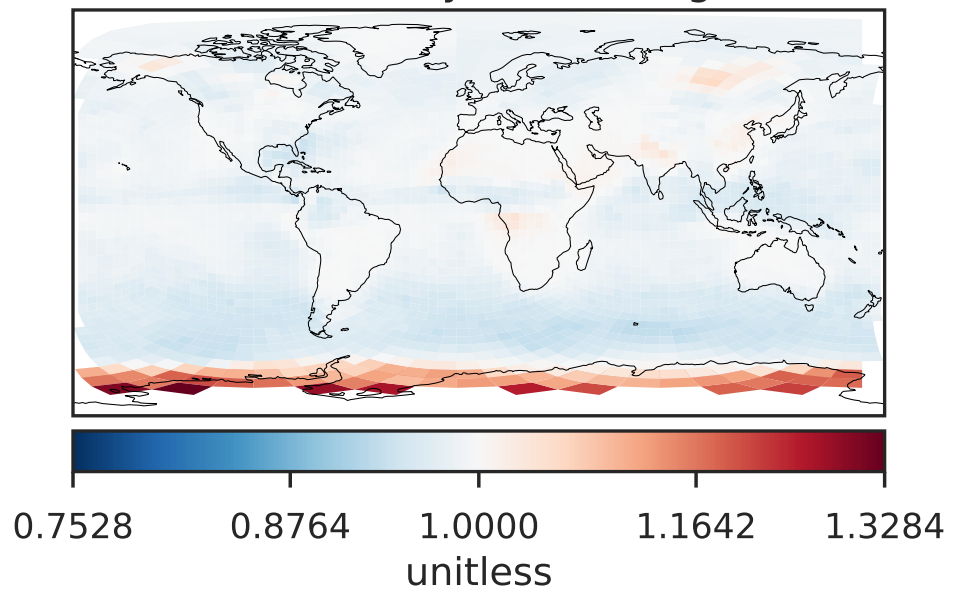
Difference  
Dev - Ref, Dynamic Range



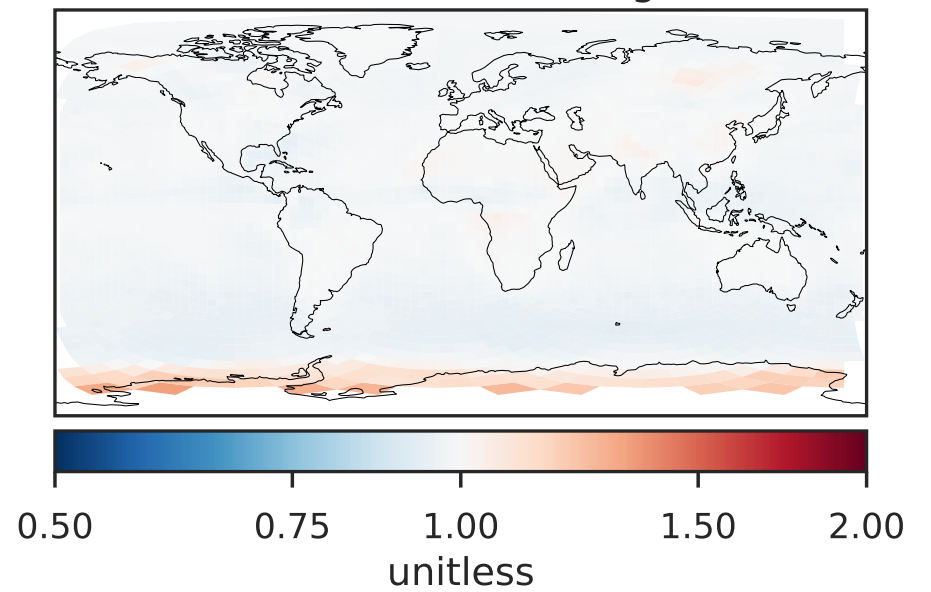
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



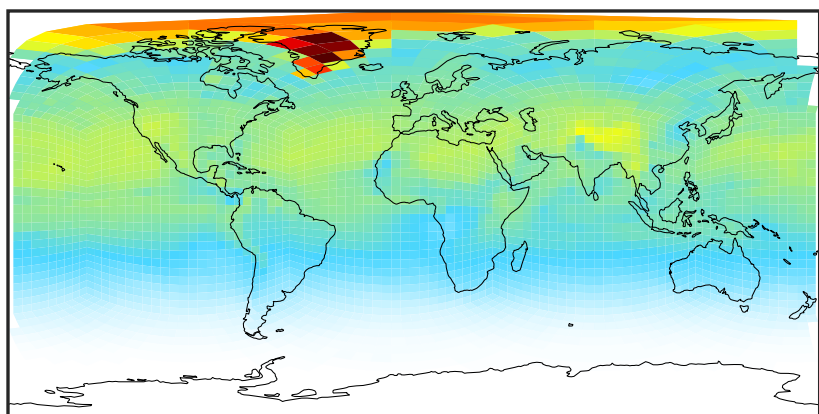
Ratio  
Dev/Ref, Fixed Range





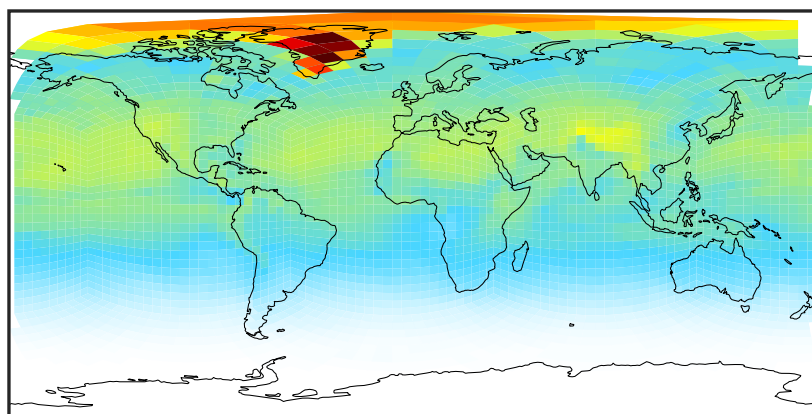
# Jval\_RA3P (Jul2019)

14.2.0-rc.2 (Ref)  
c24



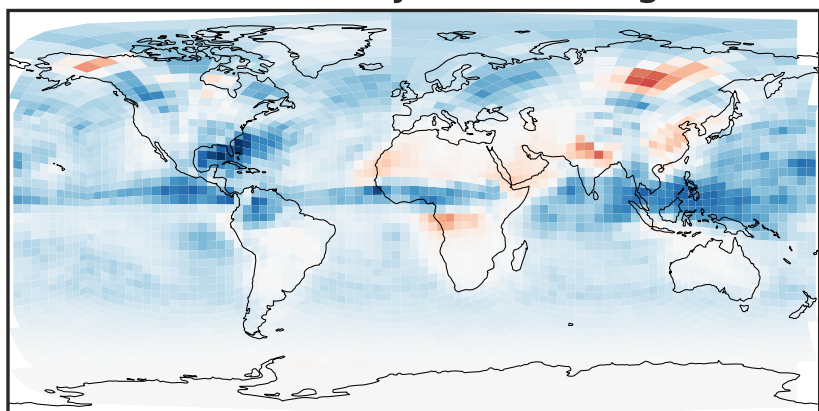
0.0 1.5 3.0 4.5  
s-1  $1e-6$

14.3.0-rc.0 (Dev)  
c24



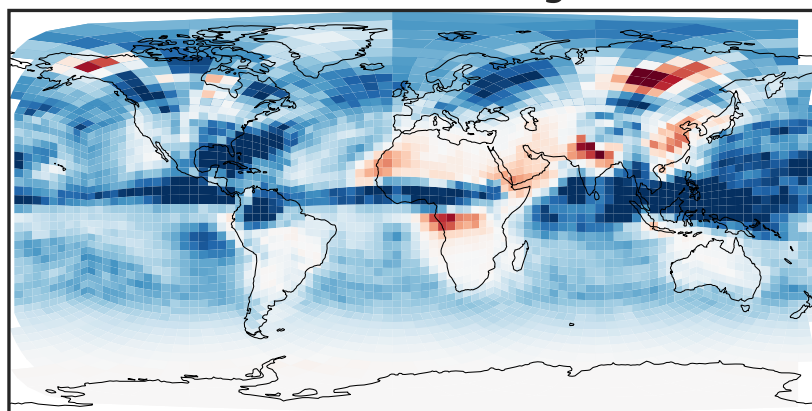
0.0 1.5 3.0 4.5  
s-1  $1e-6$

Difference  
Dev - Ref, Dynamic Range



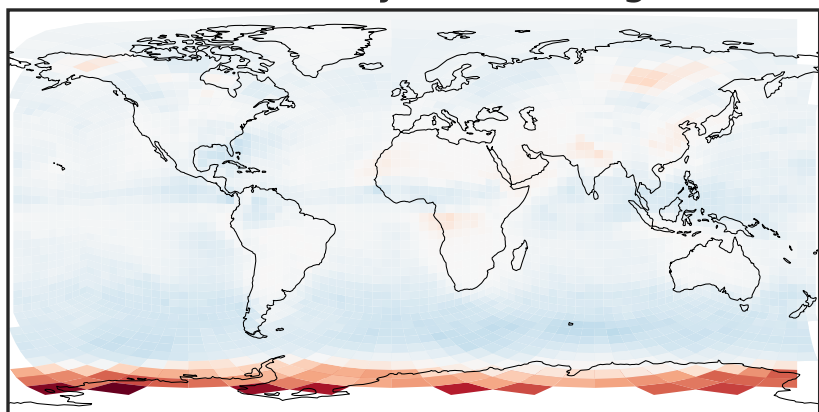
-5 0 5  
s-1  $1e-8$

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



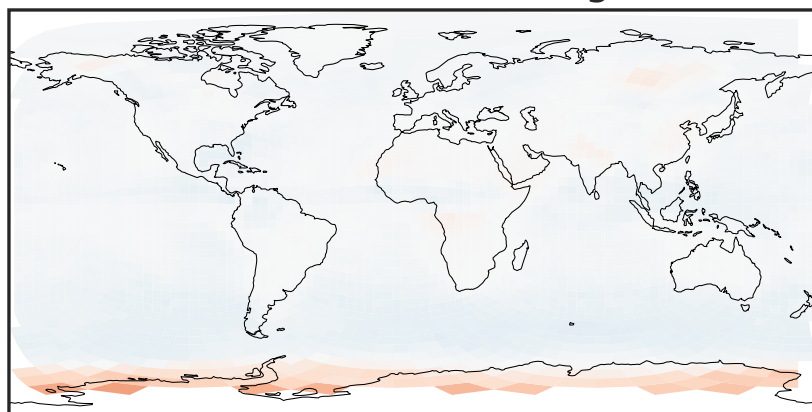
-2.5 0.0 2.5  
s-1  $1e-8$

Ratio  
Dev/Ref, Dynamic Range



0.7528 0.8764 1.0000 1.1642 1.3284  
unitless

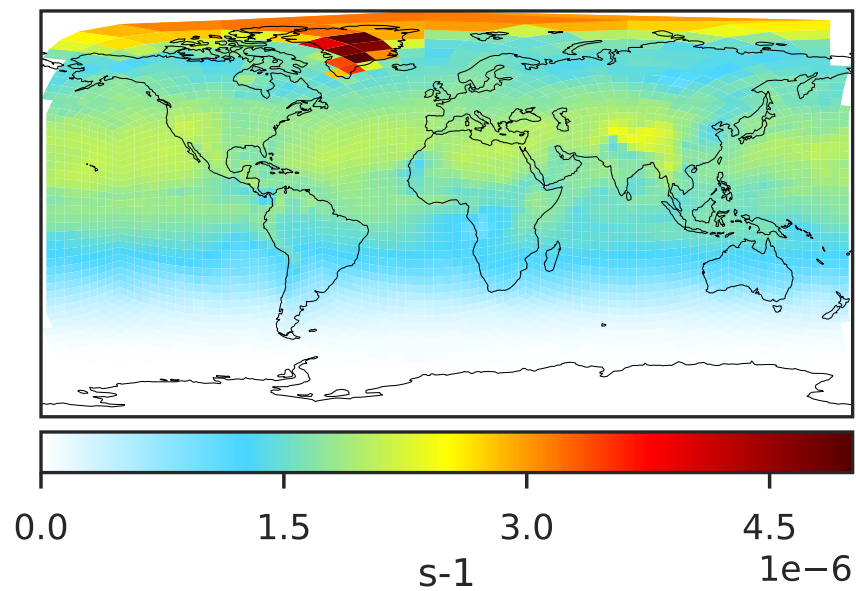
Ratio  
Dev/Ref, Fixed Range



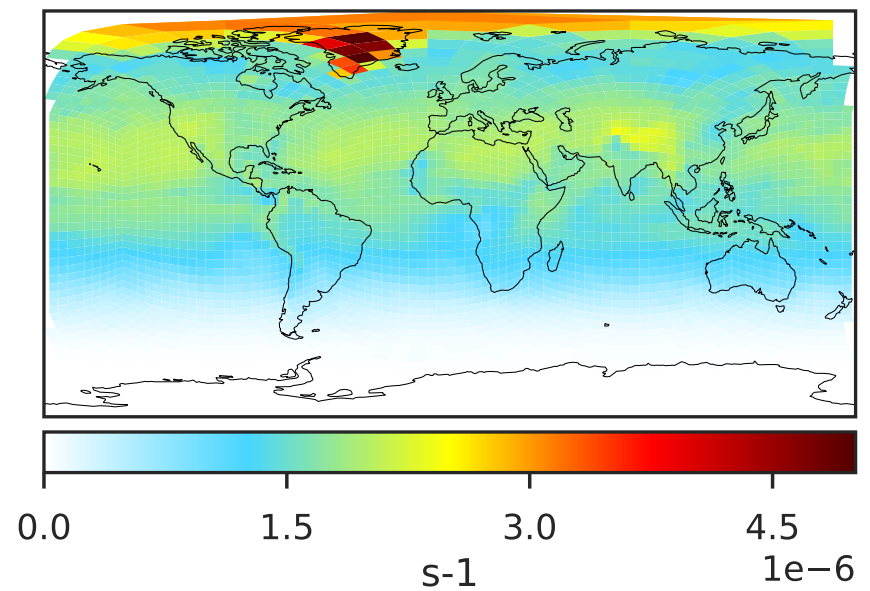
0.50 0.75 1.00 1.50 2.00  
unitless

# Jval\_RB3P (Jul2019)

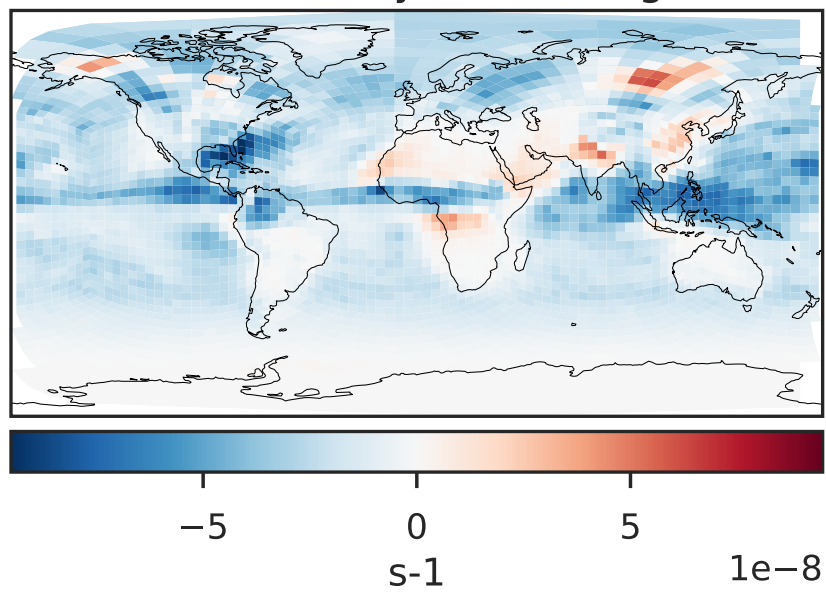
14.2.0-rc.2 (Ref)  
c24



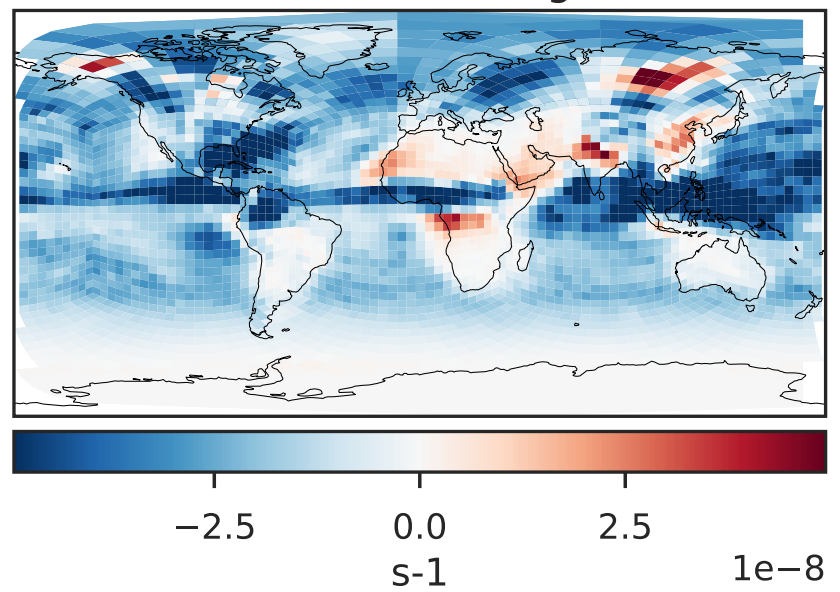
14.3.0-rc.0 (Dev)  
c24



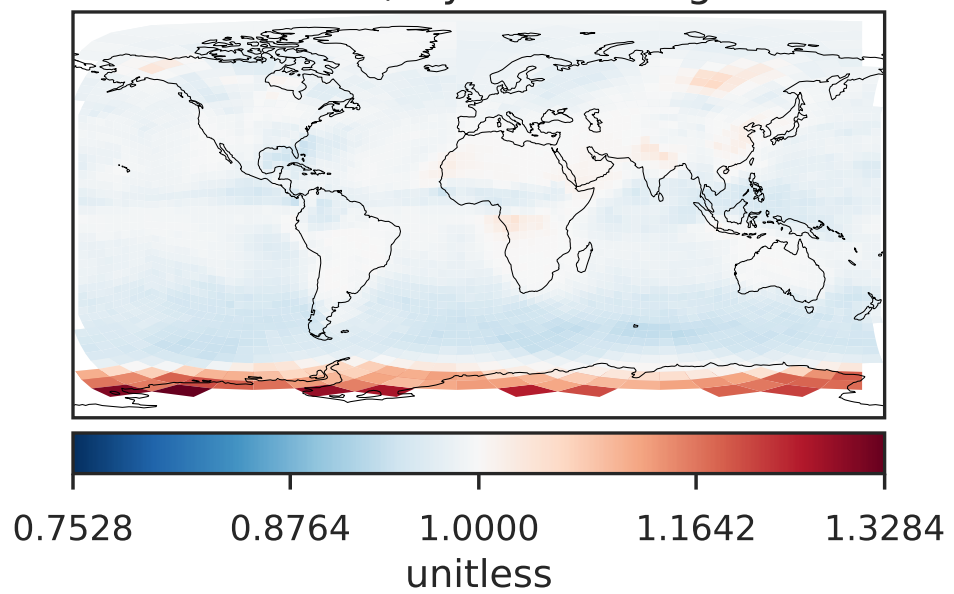
Difference  
Dev - Ref, Dynamic Range



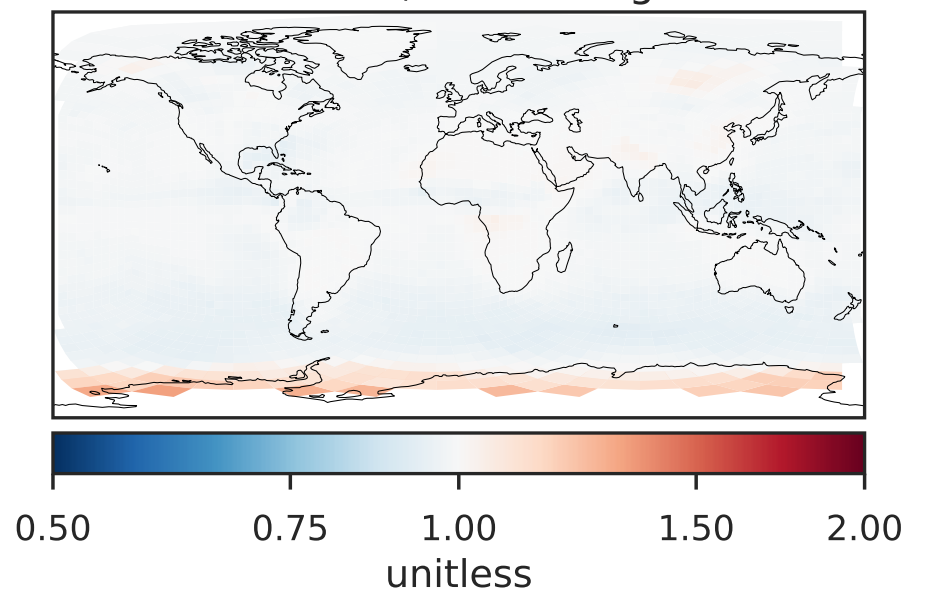
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



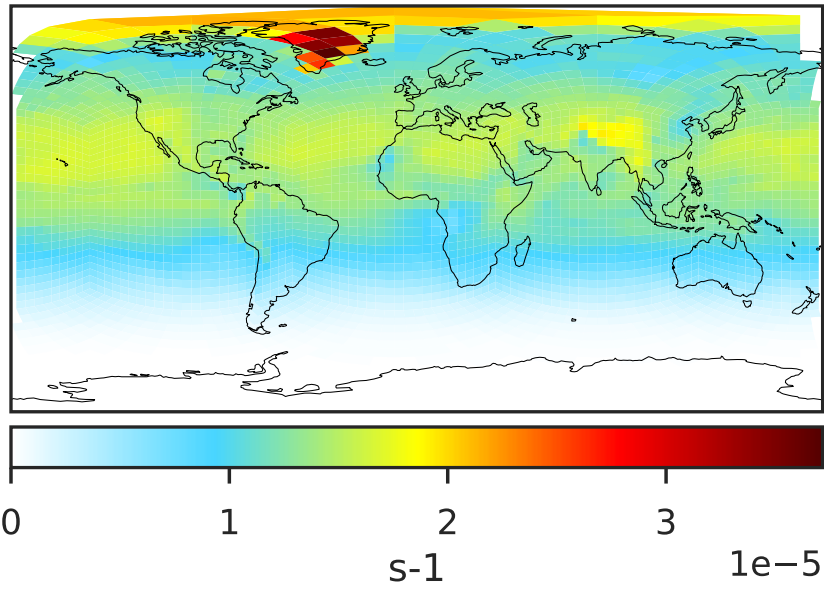
Ratio  
Dev/Ref, Fixed Range



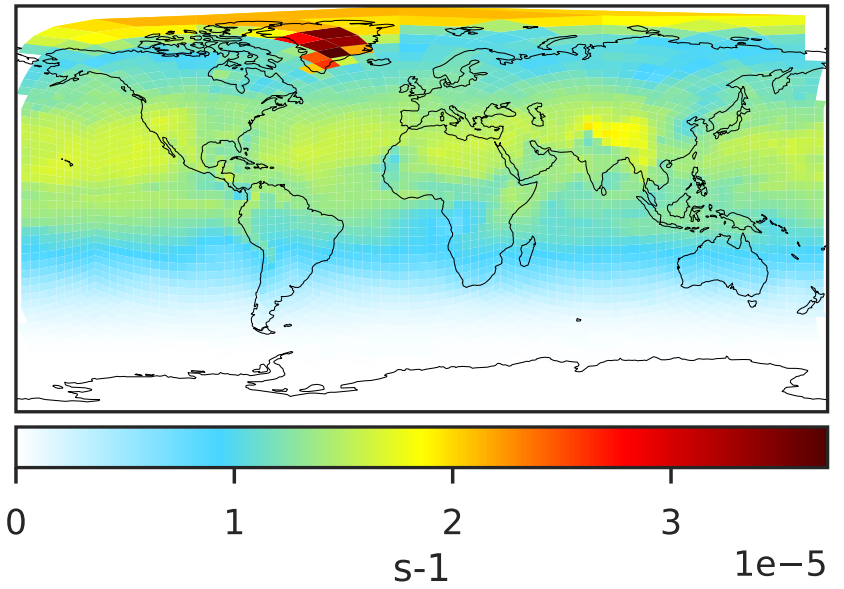


# Jval\_RCHO (Jul2019)

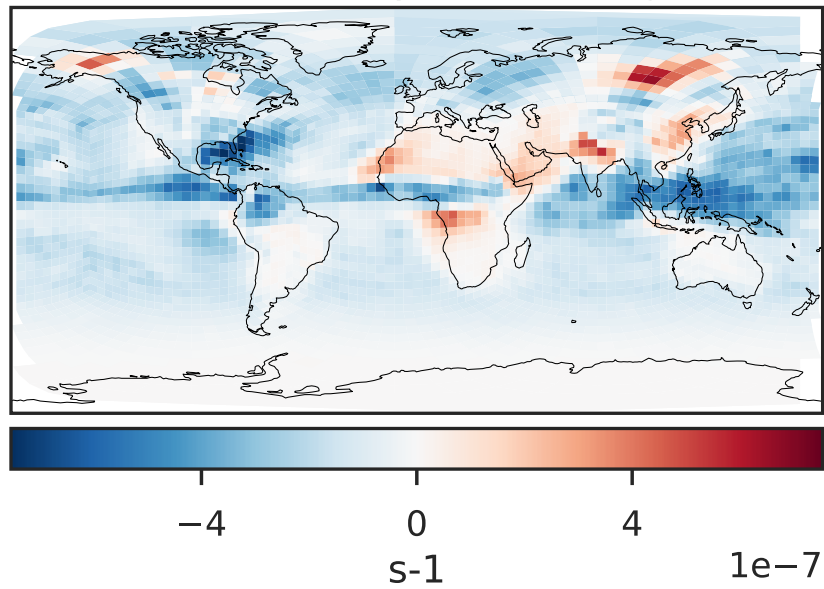
14.2.0-rc.2 (Ref)  
c24



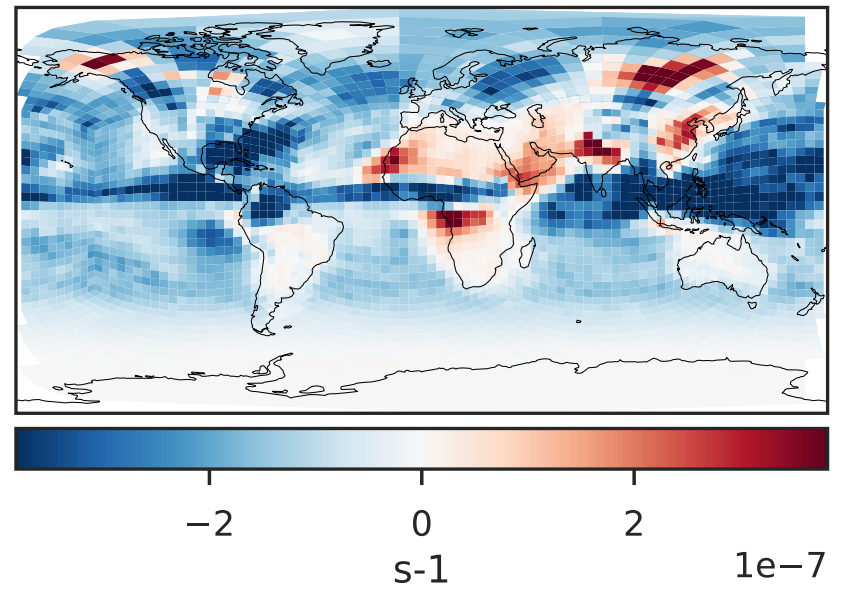
14.3.0-rc.0 (Dev)  
c24



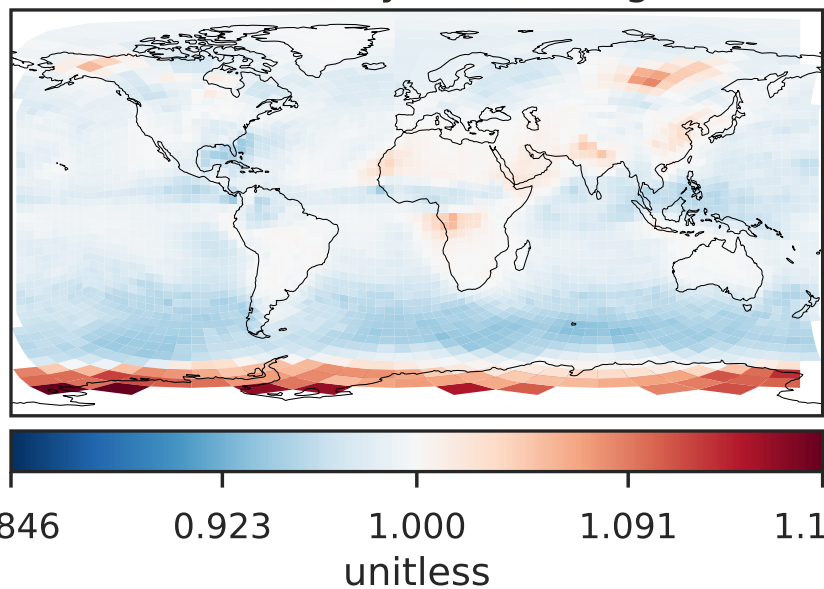
Difference  
Dev - Ref, Dynamic Range



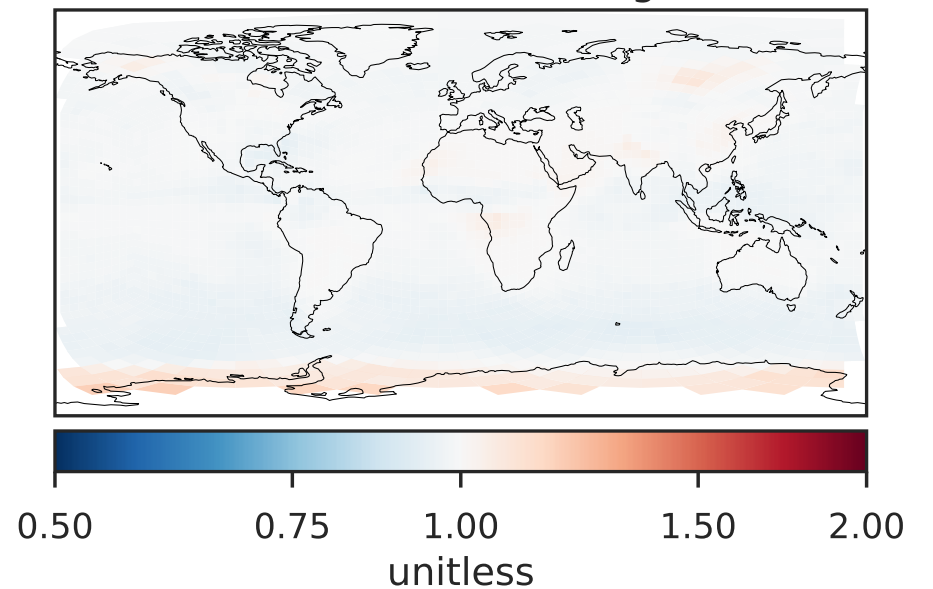
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



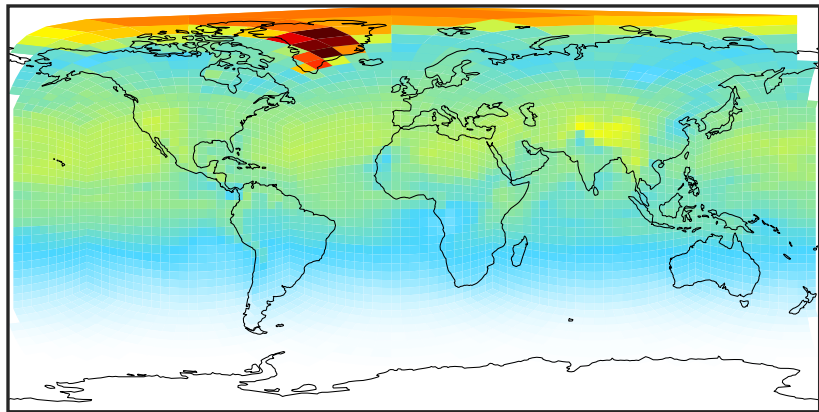
Ratio  
Dev/Ref, Fixed Range





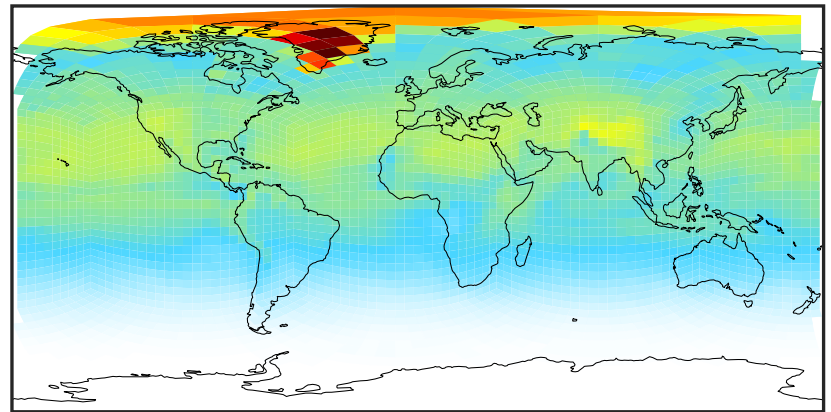
# Jval\_RIPA (Jul2019)

14.2.0-rc.2 (Ref)  
c24



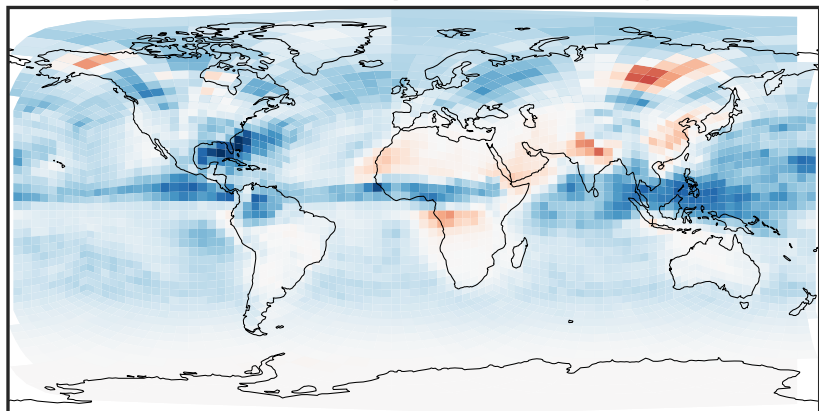
0.0 1.5 3.0 4.5  
s-1 1e-6

14.3.0-rc.0 (Dev)  
c24



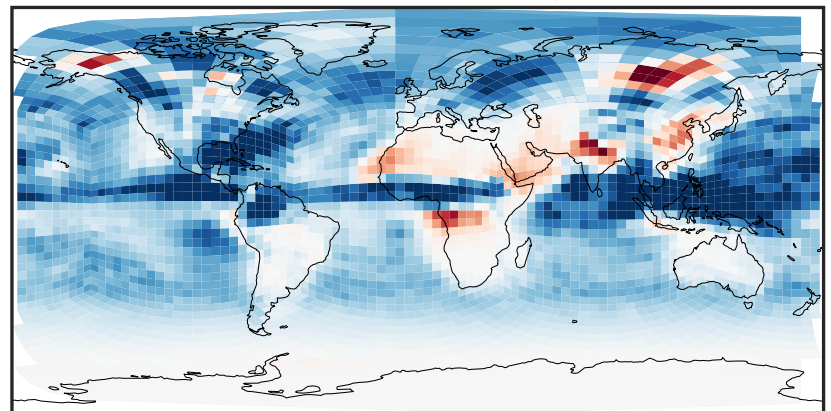
0.0 1.5 3.0 4.5  
s-1 1e-6

Difference  
Dev - Ref, Dynamic Range



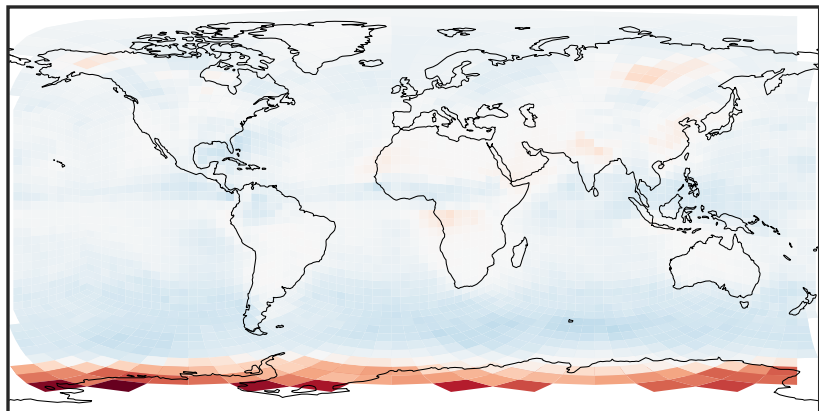
-5 0 5  
s-1 1e-8

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



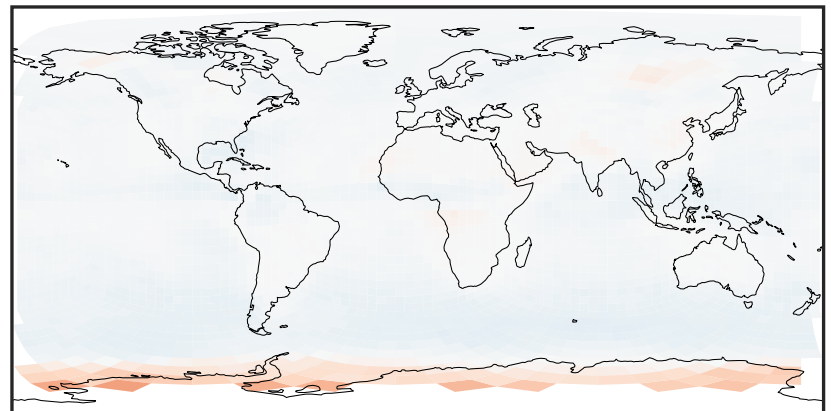
-2.5 0.0 2.5  
s-1 1e-8

Ratio  
Dev/Ref, Dynamic Range



0.7528 0.8764 1.0000 1.1642 1.3284  
unitless

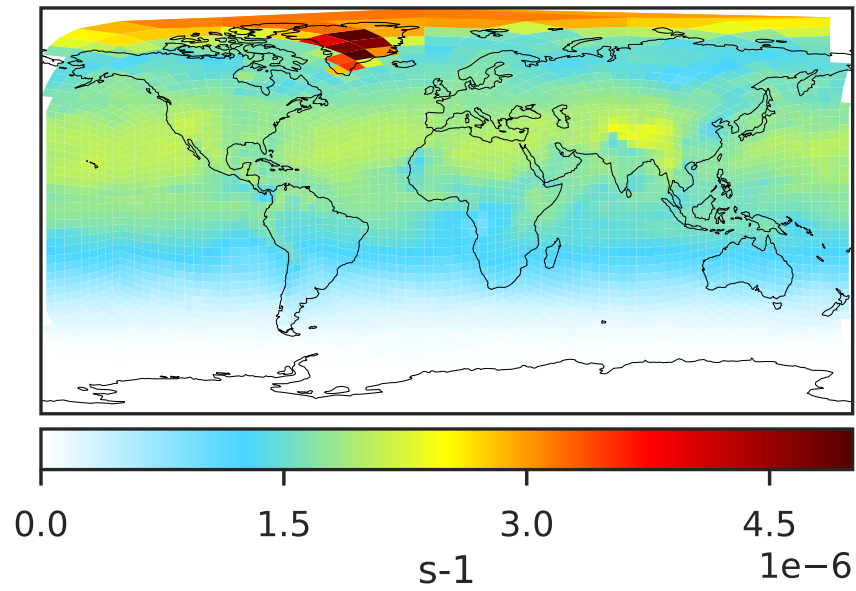
Ratio  
Dev/Ref, Fixed Range



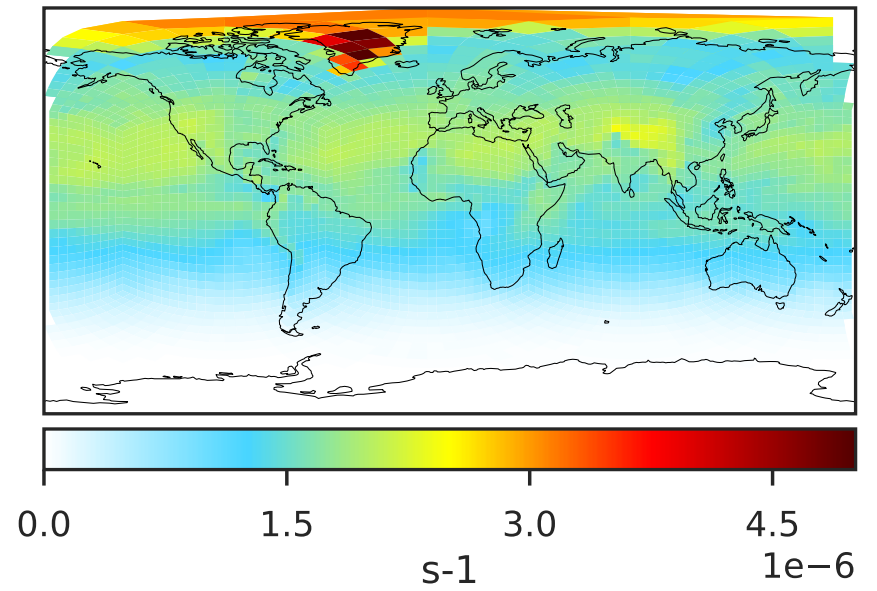
0.50 0.75 1.00 1.50 2.00  
unitless

# Jval\_RIPB (Jul2019)

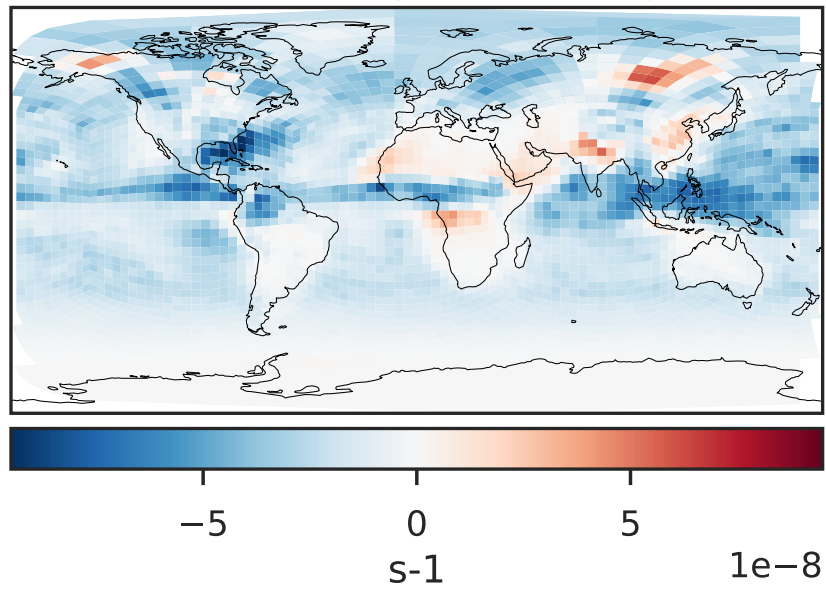
14.2.0-rc.2 (Ref)  
c24



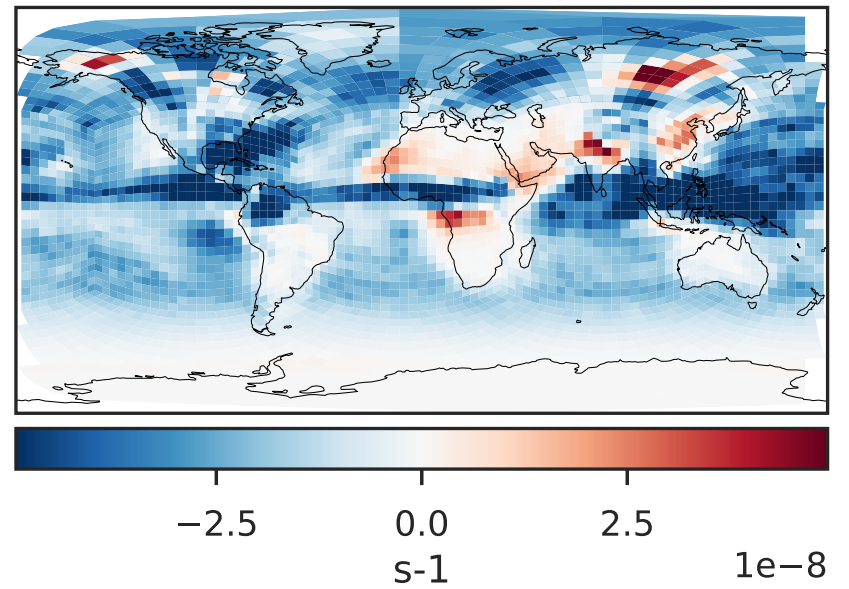
14.3.0-rc.0 (Dev)  
c24



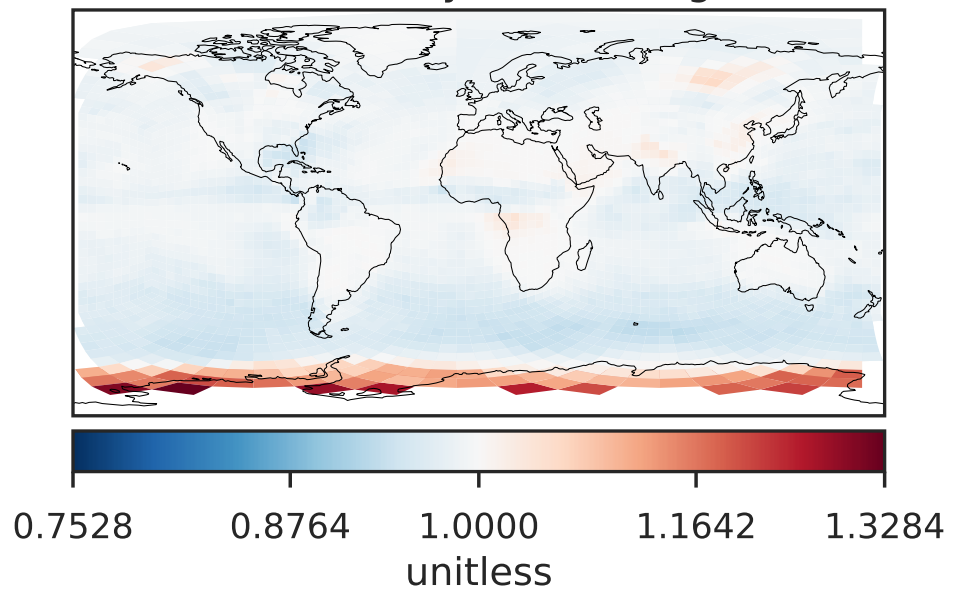
Difference  
Dev - Ref, Dynamic Range



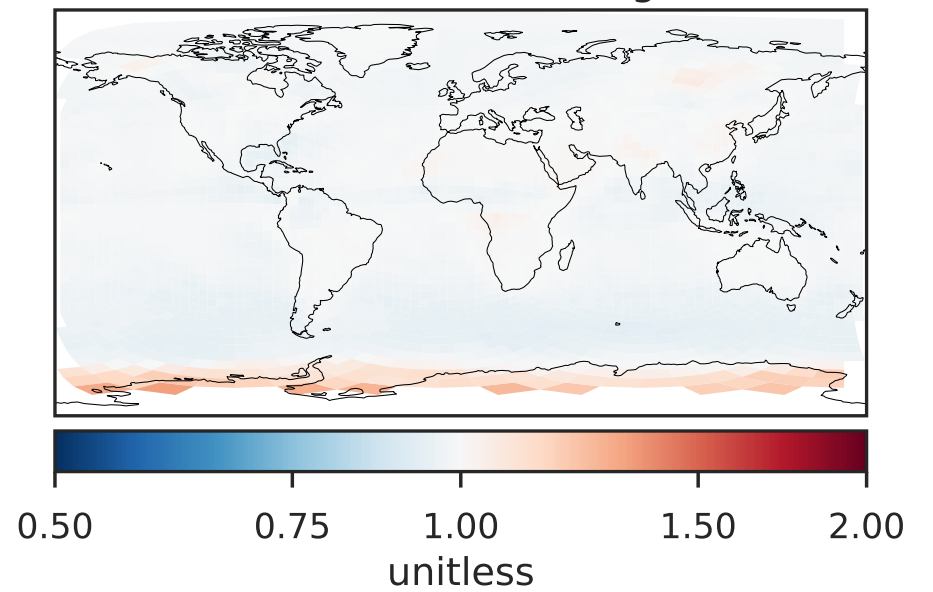
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



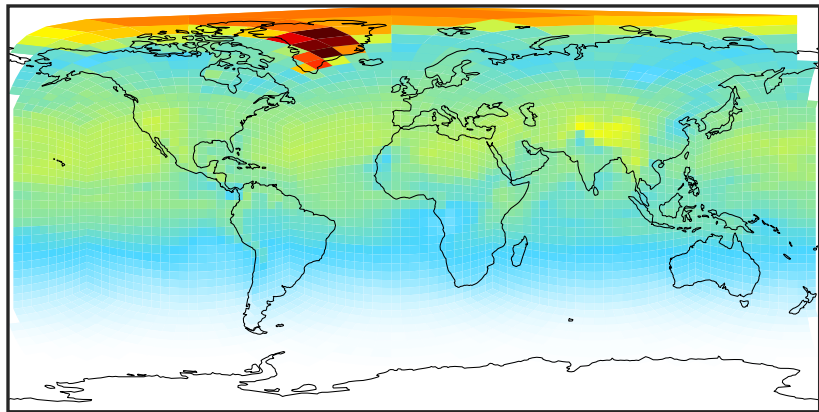
Ratio  
Dev/Ref, Fixed Range





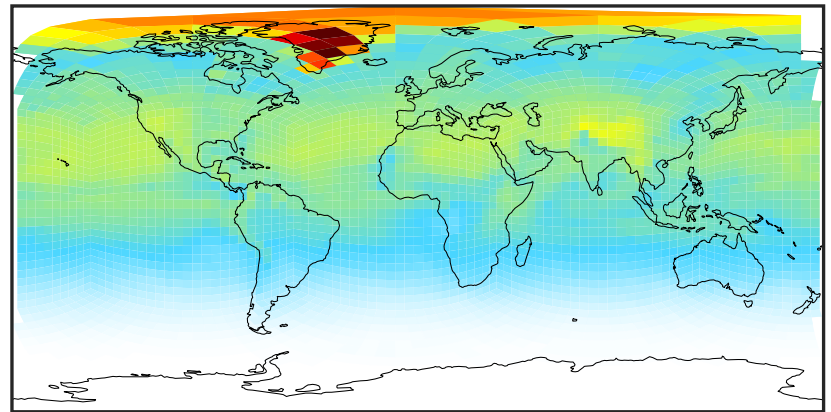
# Jval\_RIPC (Jul2019)

14.2.0-rc.2 (Ref)  
c24



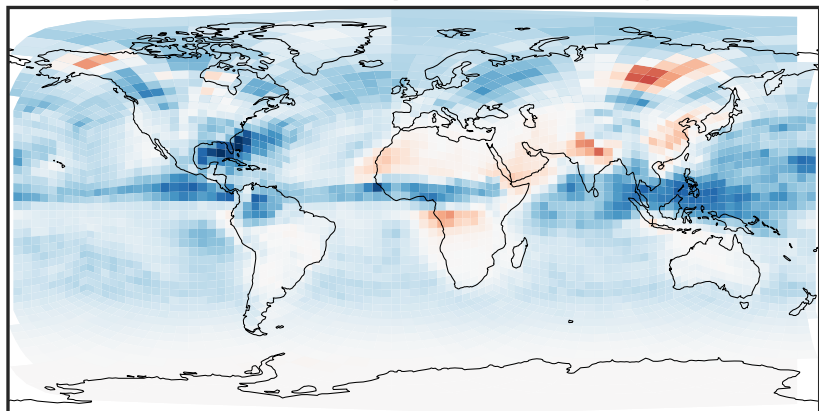
0.0 1.5 3.0 4.5  
s-1 1e-6

14.3.0-rc.0 (Dev)  
c24



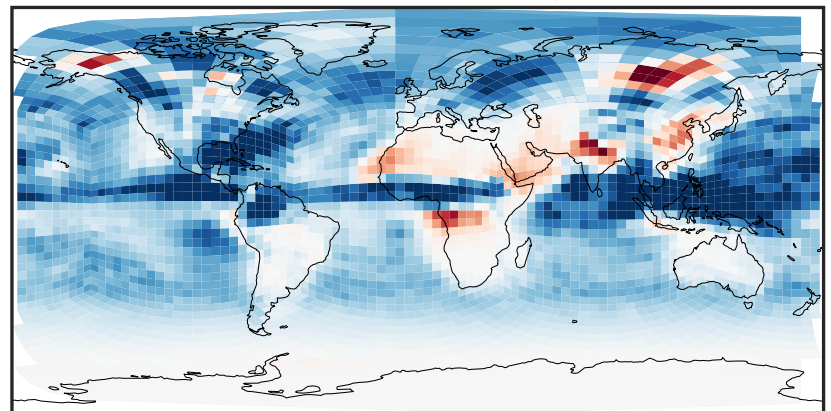
0.0 1.5 3.0 4.5  
s-1 1e-6

Difference  
Dev - Ref, Dynamic Range



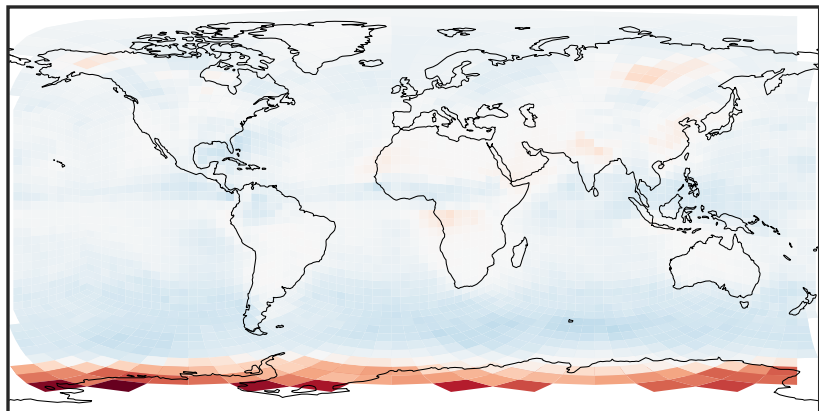
-5 0 5  
s-1 1e-8

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



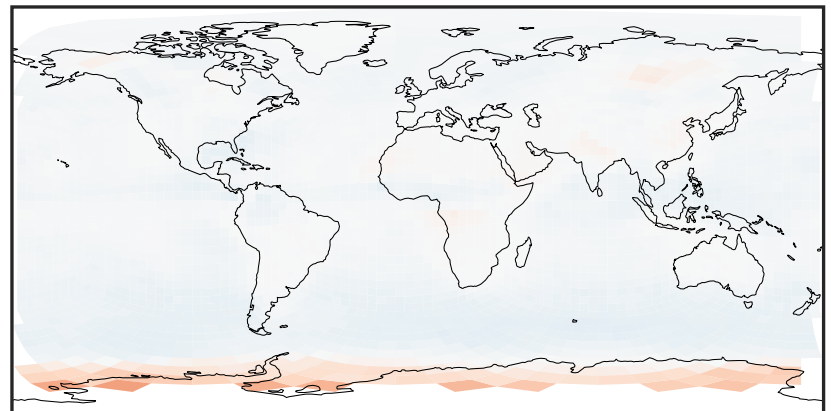
-2.5 0.0 2.5  
s-1 1e-8

Ratio  
Dev/Ref, Dynamic Range



0.7528 0.8764 1.0000 1.1642 1.3284  
unitless

Ratio  
Dev/Ref, Fixed Range

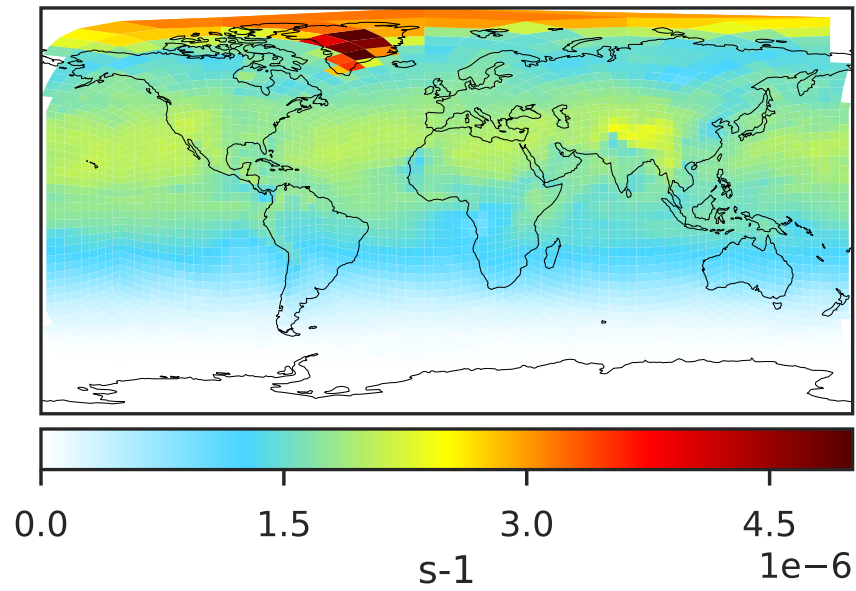


0.50 0.75 1.00 1.50 2.00  
unitless

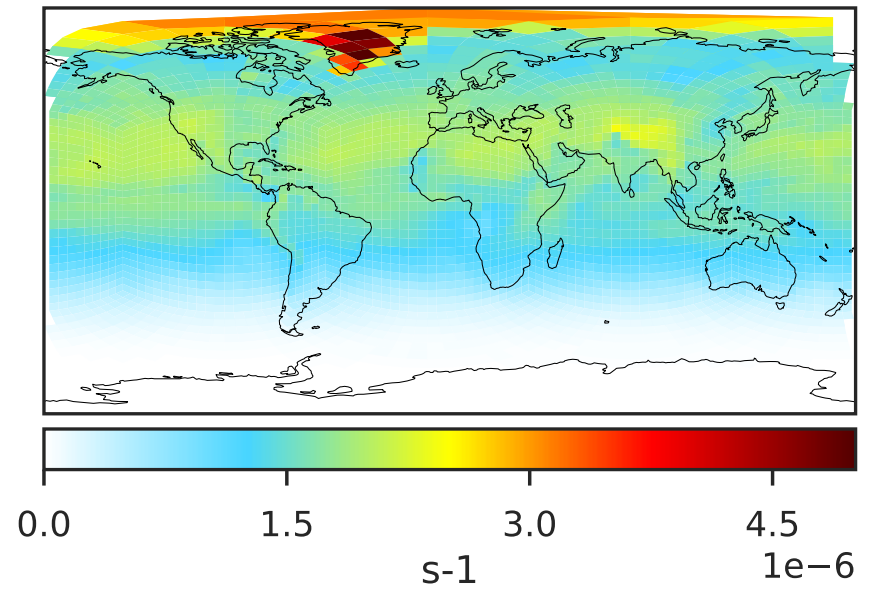


# Jval\_RIPD (Jul2019)

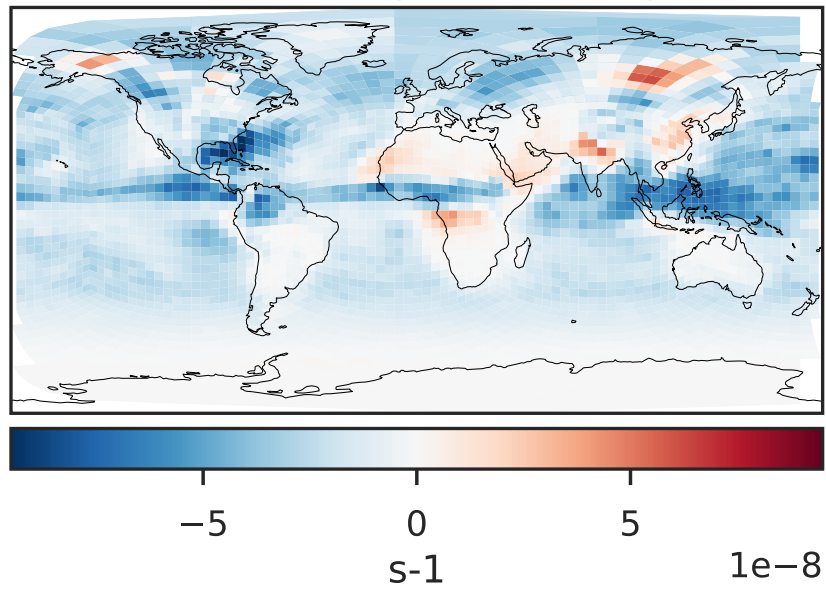
14.2.0-rc.2 (Ref)  
c24



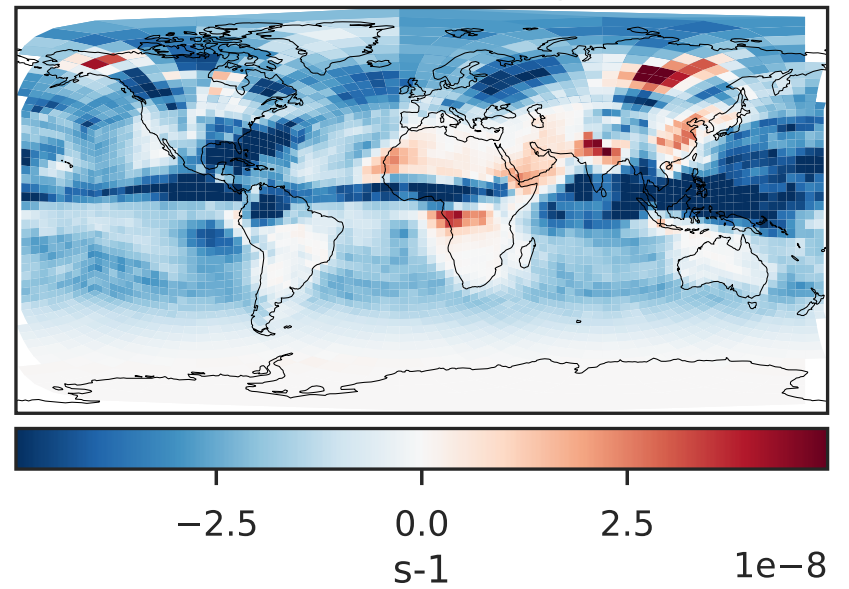
14.3.0-rc.0 (Dev)  
c24



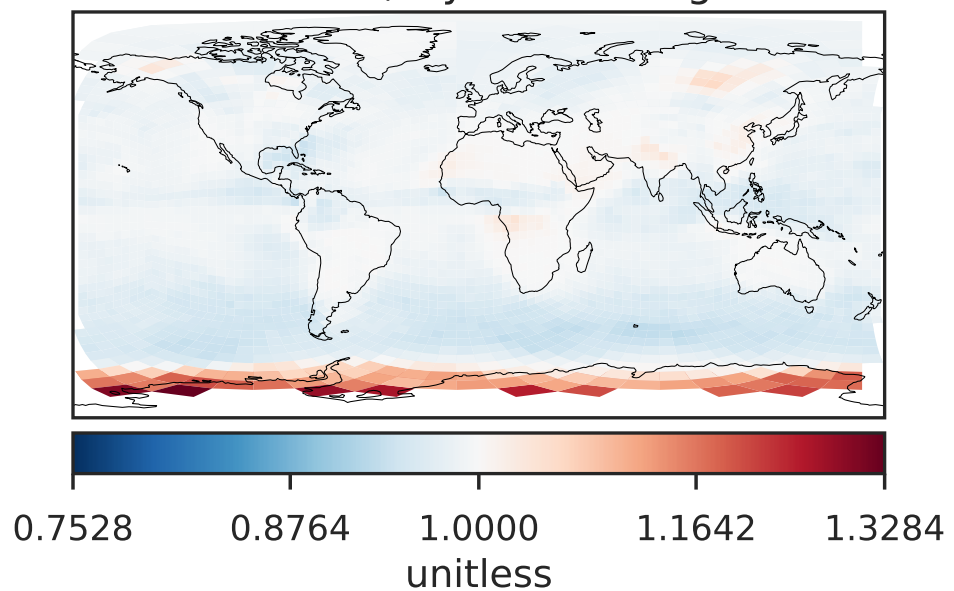
Difference  
Dev - Ref, Dynamic Range



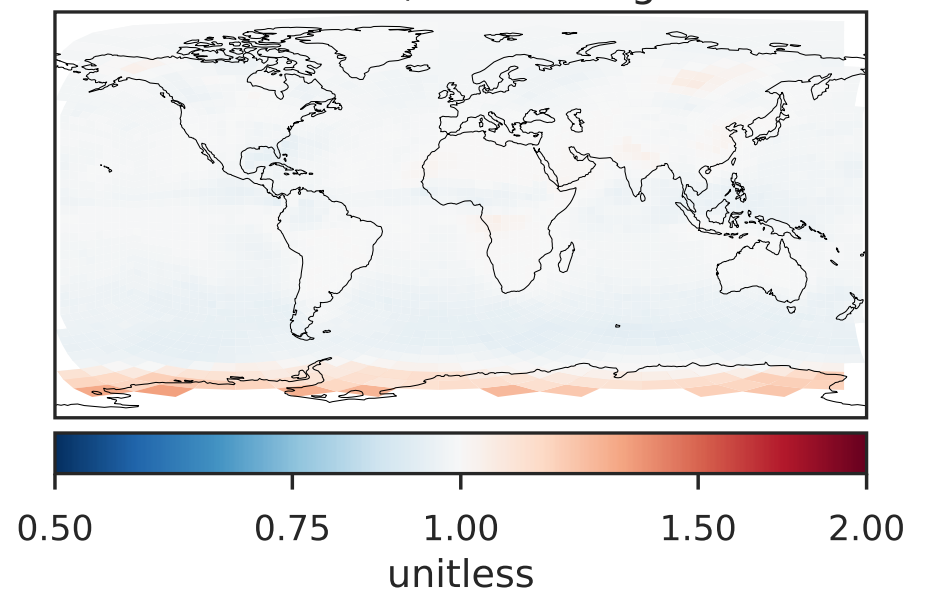
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

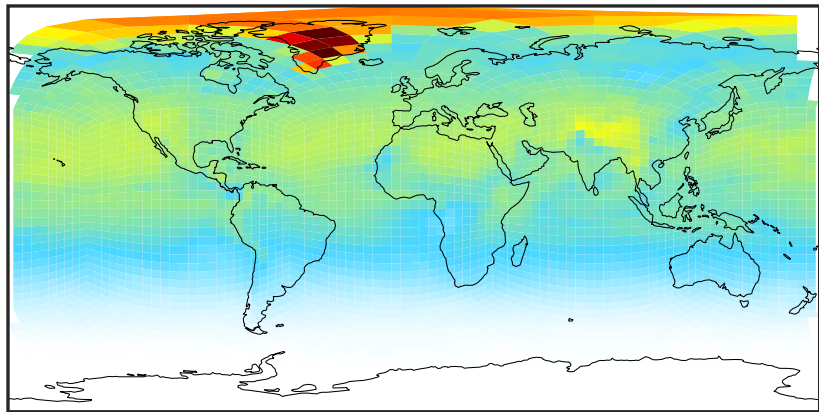


Ratio  
Dev/Ref, Fixed Range



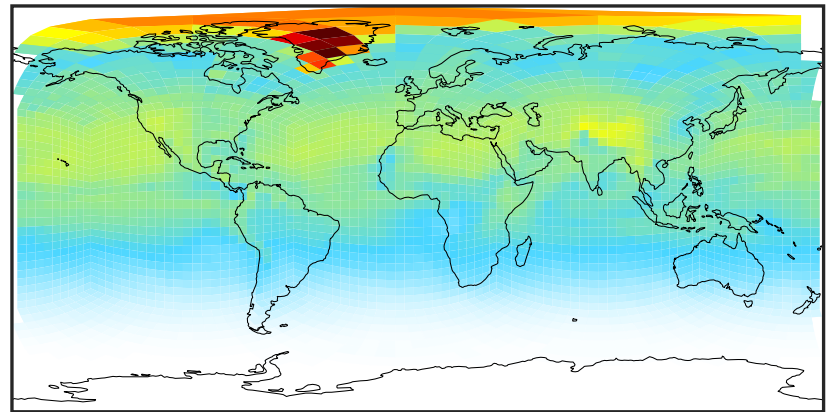
# Jval\_RP (Jul2019)

14.2.0-rc.2 (Ref)  
c24



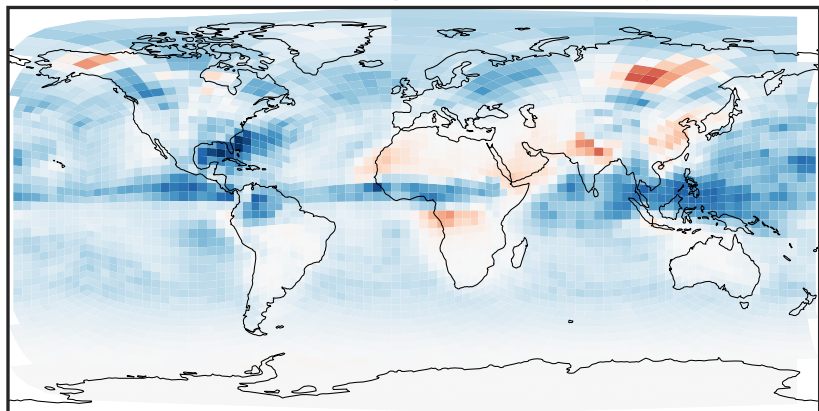
0.0 1.5 3.0 4.5  
s-1  $1e-6$

14.3.0-rc.0 (Dev)  
c24



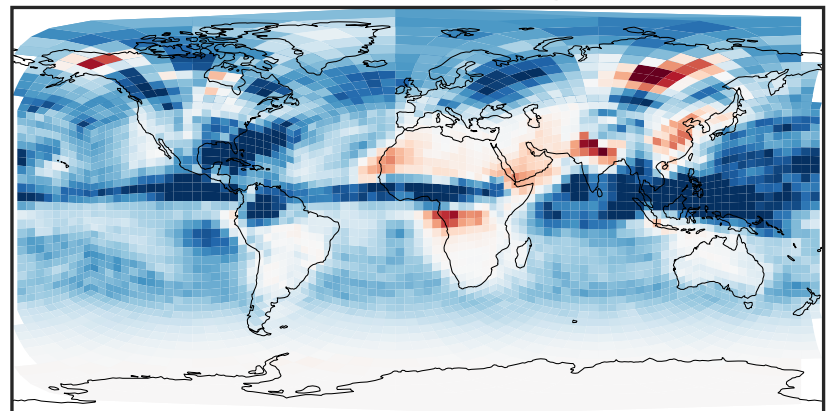
0.0 1.5 3.0 4.5  
s-1  $1e-6$

Difference  
Dev - Ref, Dynamic Range



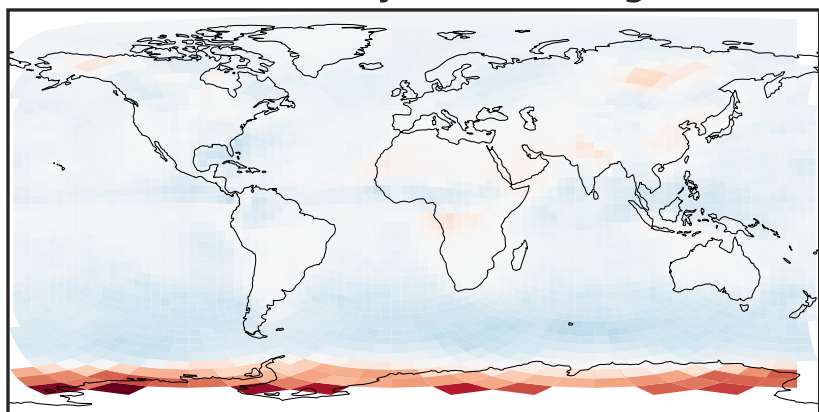
-5 0 5  
s-1  $1e-8$

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



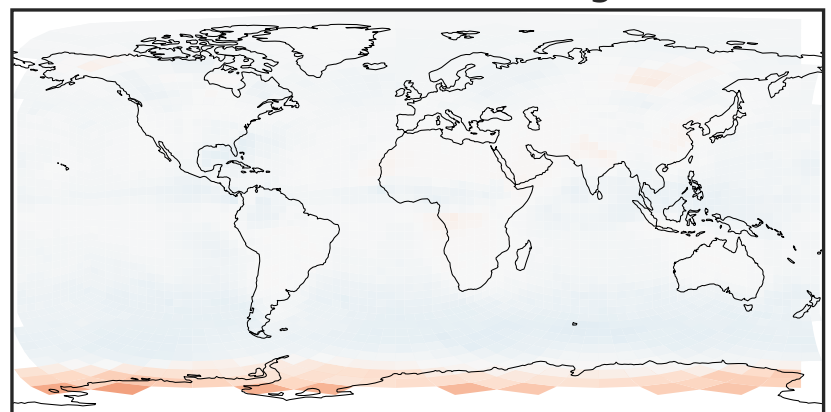
-2.5 0.0 2.5  
s-1  $1e-8$

Ratio  
Dev/Ref, Dynamic Range



0.7528 0.8764 1.0000 1.1642 1.3284  
unitless

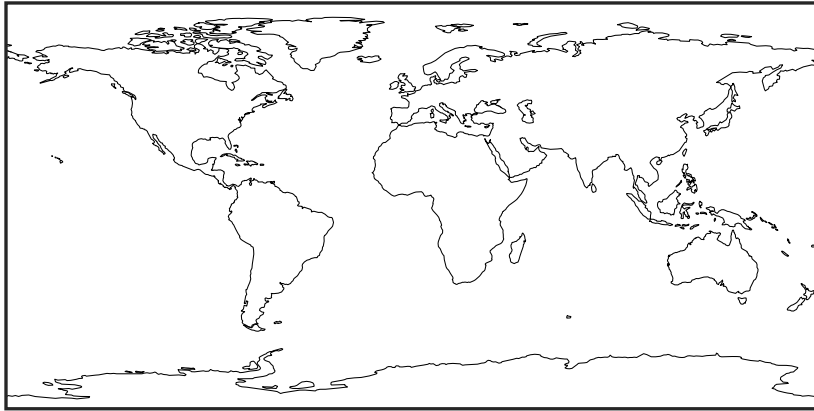
Ratio  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

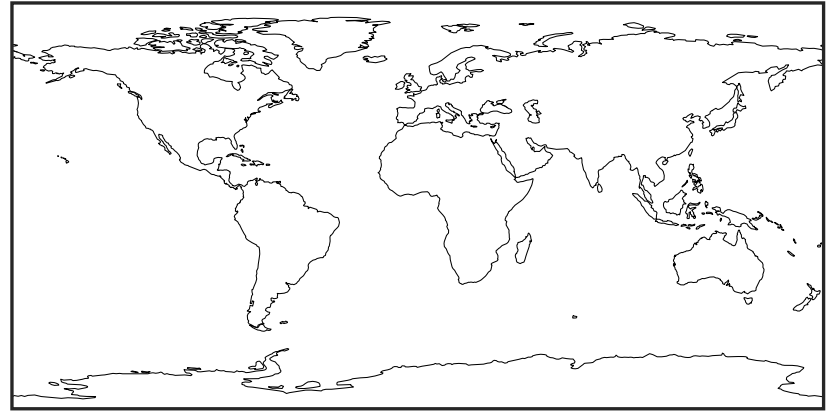
# Jval\_SO4 (Jul2019)

14.2.0-rc.2 (Ref)  
c24



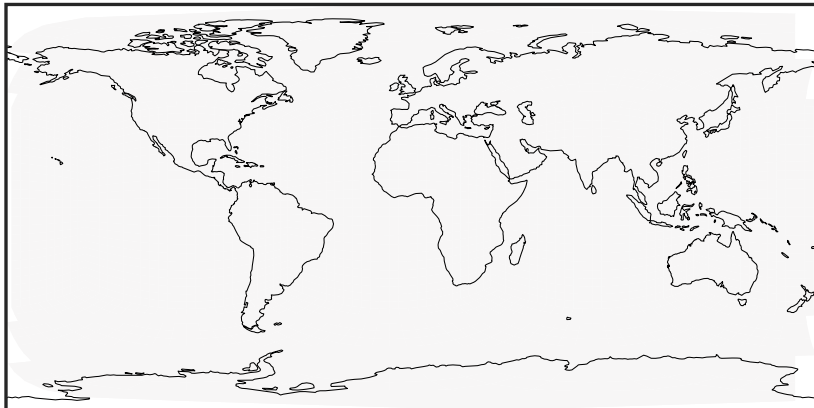
Zero throughout domain  
s-1

14.3.0-rc.0 (Dev)  
c24



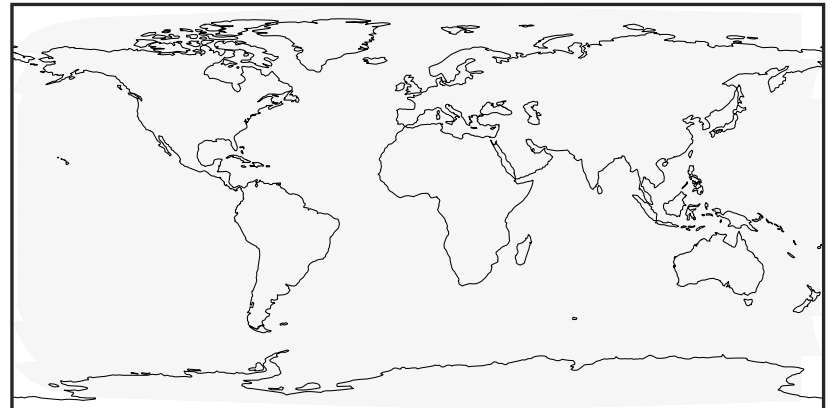
Zero throughout domain  
s-1

Difference  
Dev - Ref, Dynamic Range



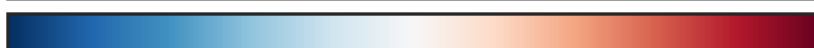
Zero throughout domain  
s-1

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



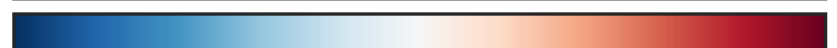
Zero throughout domain  
s-1

Ratio  
Dev/Ref, Dynamic Range



Undefined throughout domain  
unitless

Ratio  
Dev/Ref, Fixed Range



Undefined throughout domain  
unitless