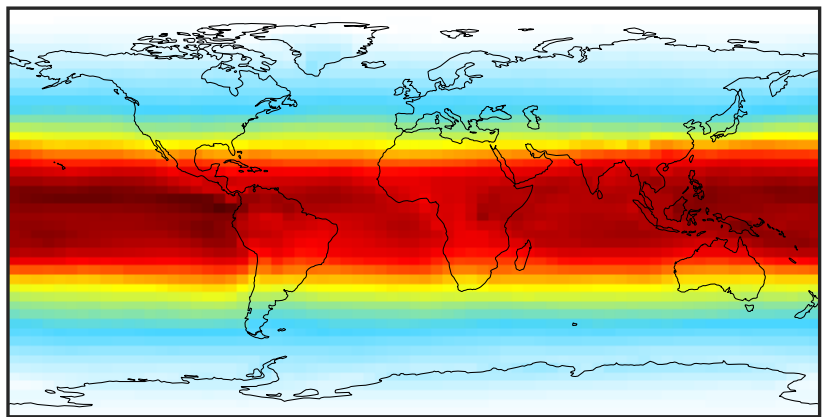


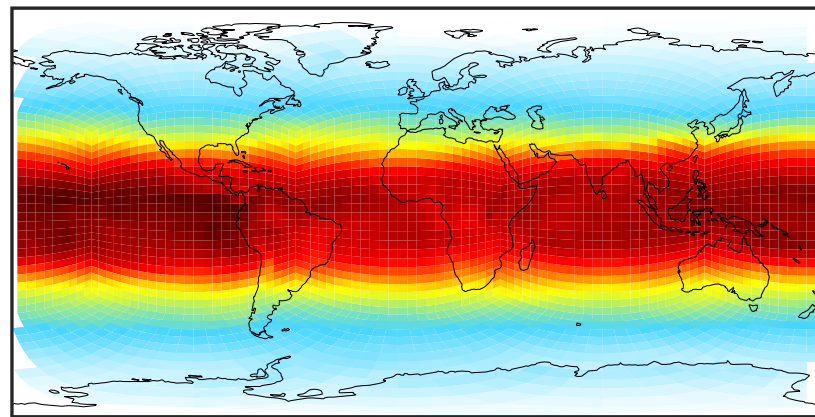
# JvalO301D (AnnualMean)

GCC\_14.2.0 (Ref)  
4.0x5.0



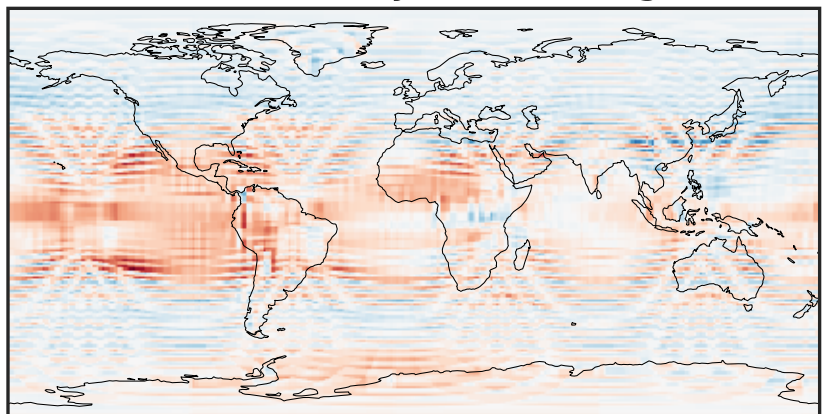
0.5 1.0 1.5 2.0  
s-1 1e-5

GCHP\_14.2.0 (Dev)  
c24



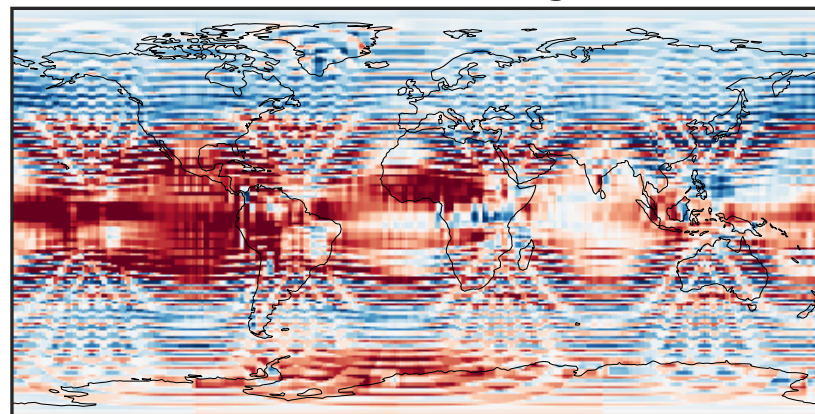
0.5 1.0 1.5 2.0  
s-1 1e-5

Difference (1x1.25)  
Dev - Ref, Dynamic Range



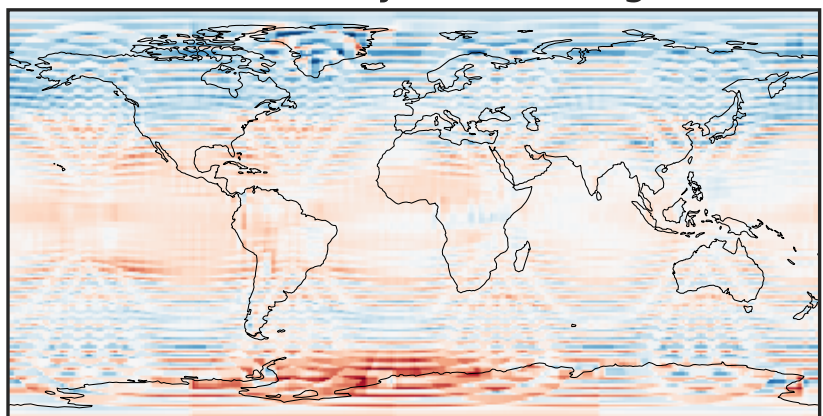
-1 0 1  
s-1 1e-6

Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



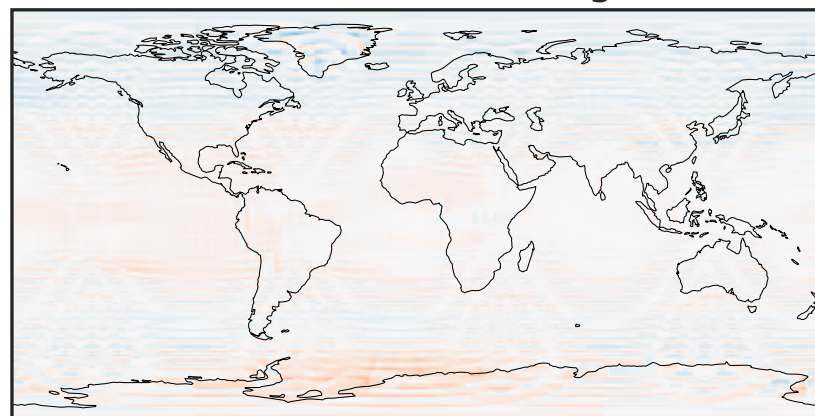
-4 0 4  
s-1 1e-7

Ratio (1x1.25)  
Dev/Ref, Dynamic Range



0.8015 0.9008 1.0000 1.1238 1.2477  
unitless

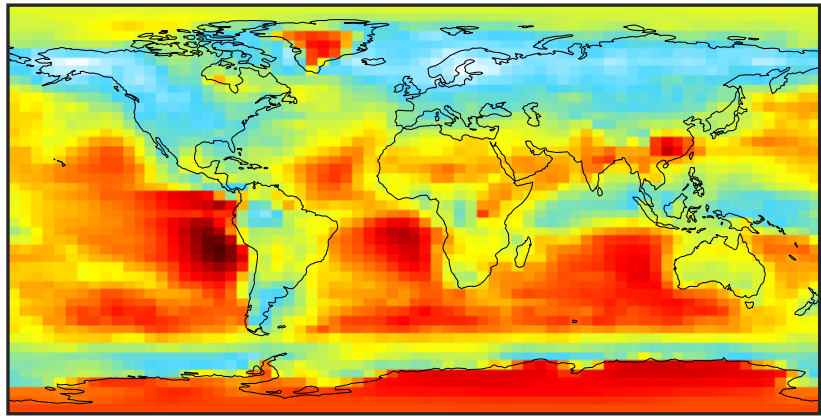
Ratio (1x1.25)  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

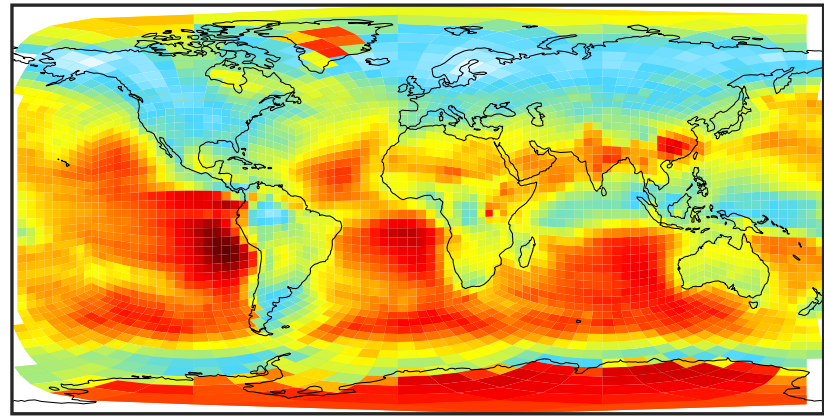
# JvalO3O3P (AnnualMean)

GCC\_14.2.0 (Ref)  
4.0x5.0



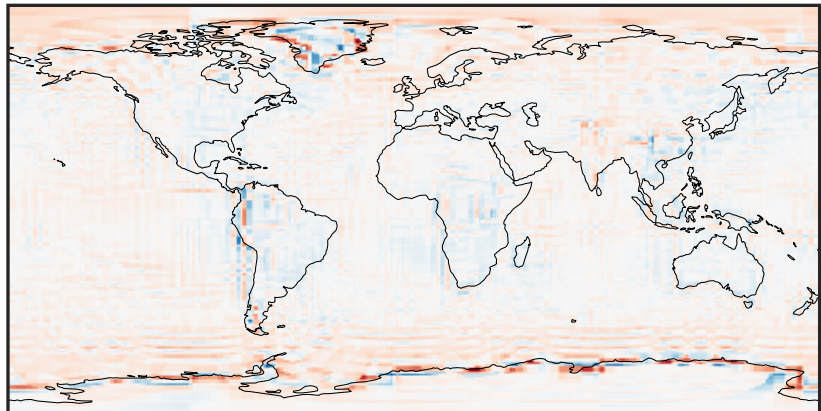
0.00018 0.00021 0.00024 0.00027  
s-1

GCHP\_14.2.0 (Dev)  
c24



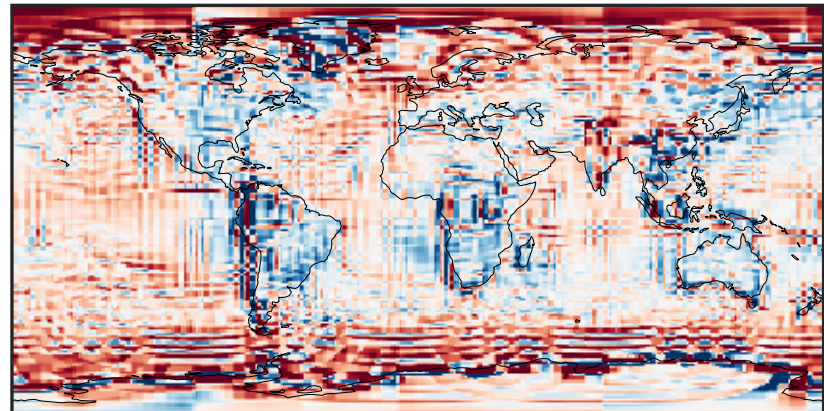
0.00018 0.00021 0.00024 0.00027  
s-1

Difference (1x1.25)  
Dev - Ref, Dynamic Range



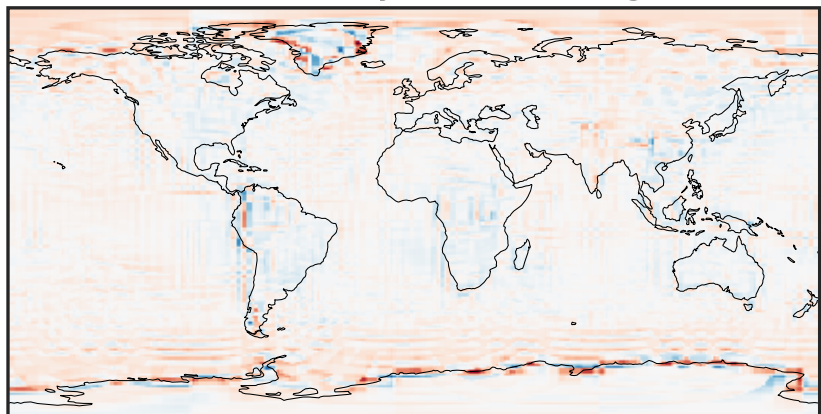
-2 0 2  
s-1 1e-5

Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



-4 0 4  
s-1 1e-6

Ratio (1x1.25)  
Dev/Ref, Dynamic Range



0.8349 0.9175 1.000 1.0988 1.1977  
unitless

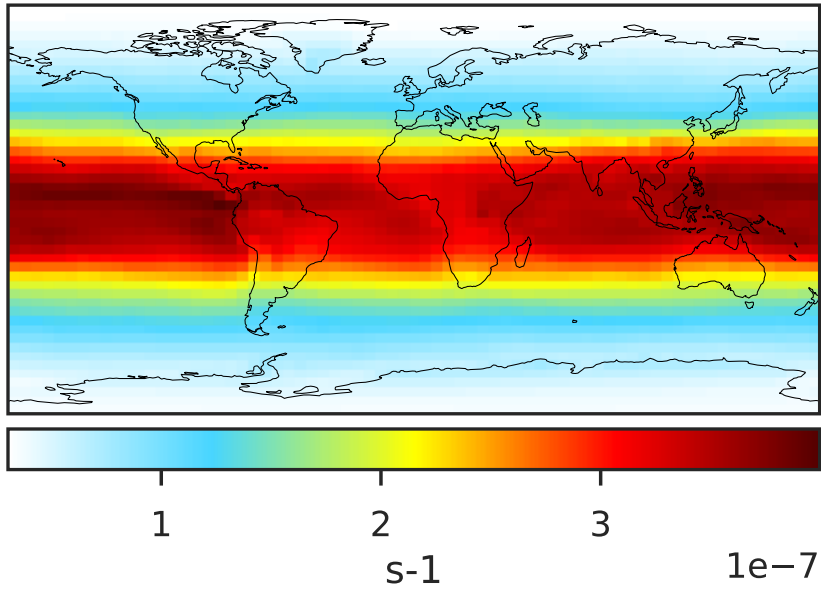
Ratio (1x1.25)  
Dev/Ref, Fixed Range



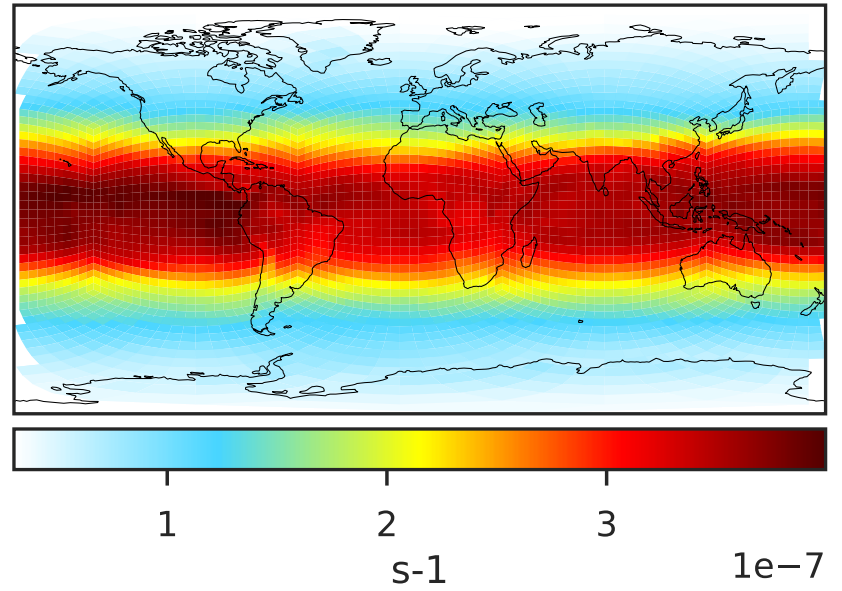
0.50 0.75 1.00 1.50 2.00  
unitless

# Jval\_ACET (AnnualMean)

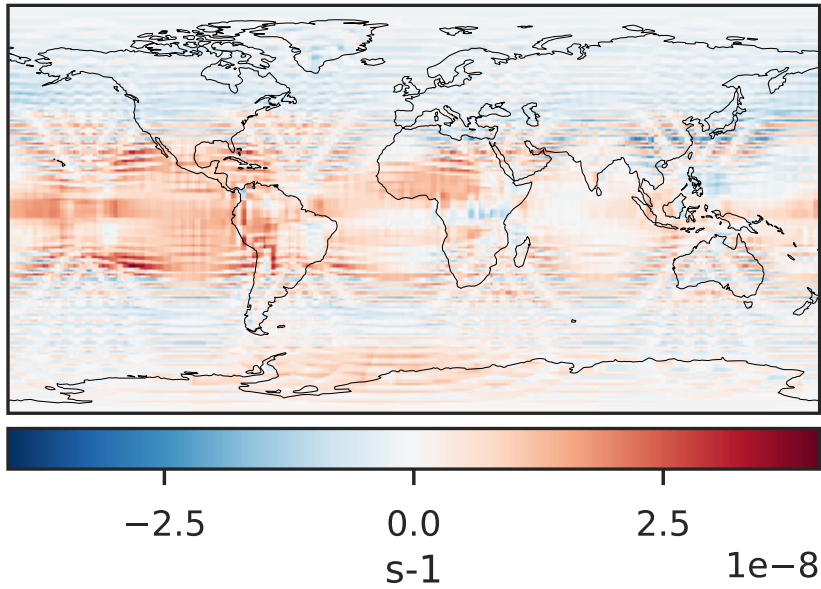
GCC\_14.2.0 (Ref)  
4.0x5.0



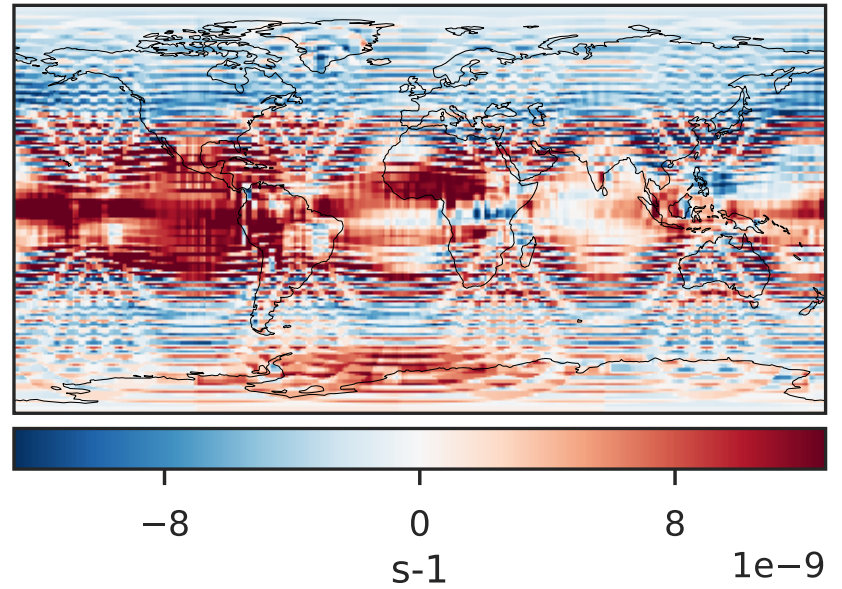
GCHP\_14.2.0 (Dev)  
c24



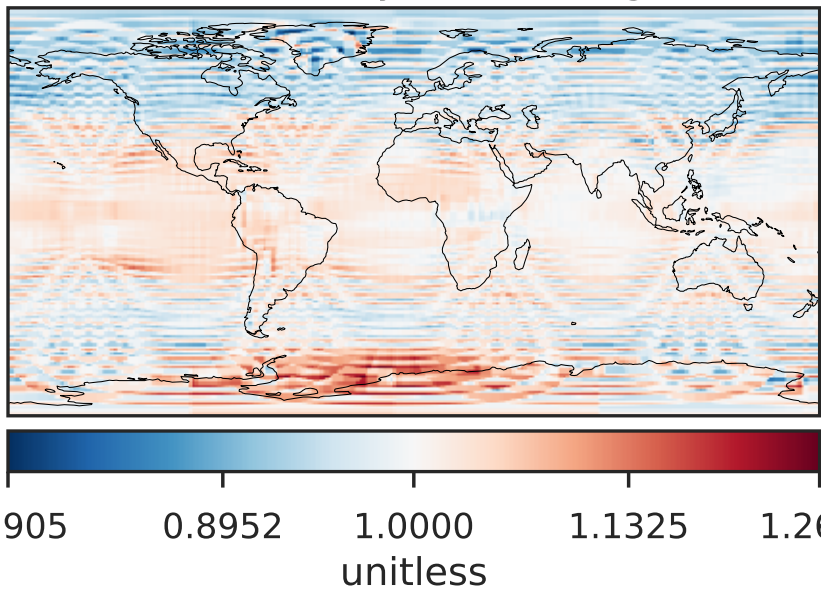
Difference (1x1.25)  
Dev - Ref, Dynamic Range



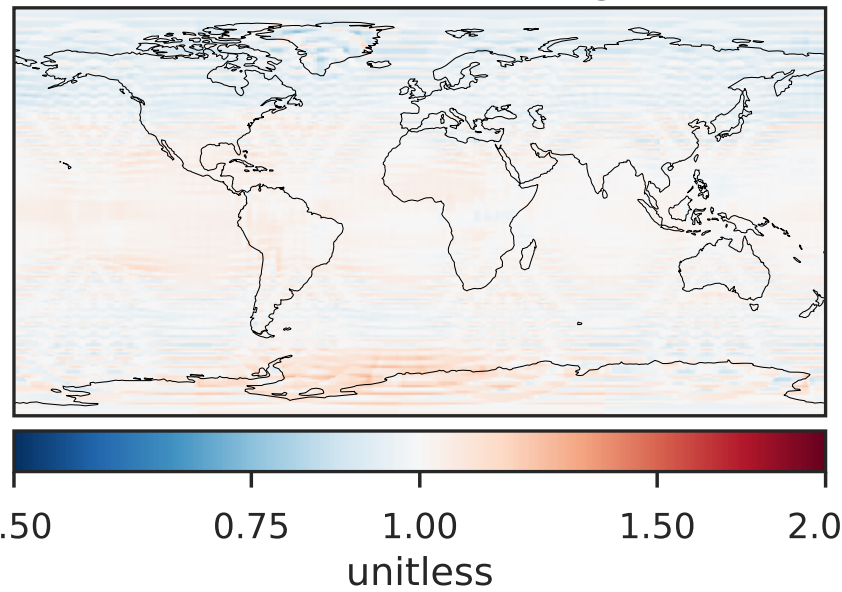
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)  
Dev/Ref, Dynamic Range

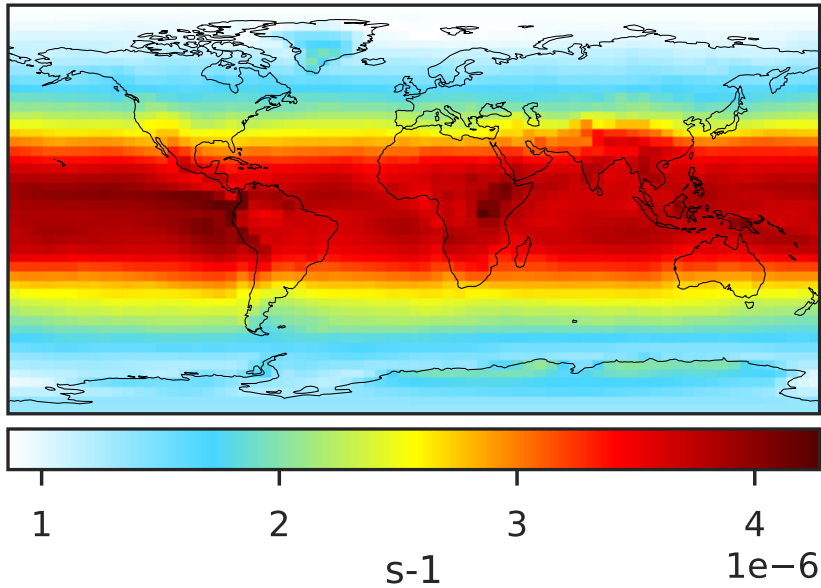


Ratio (1x1.25)  
Dev/Ref, Fixed Range

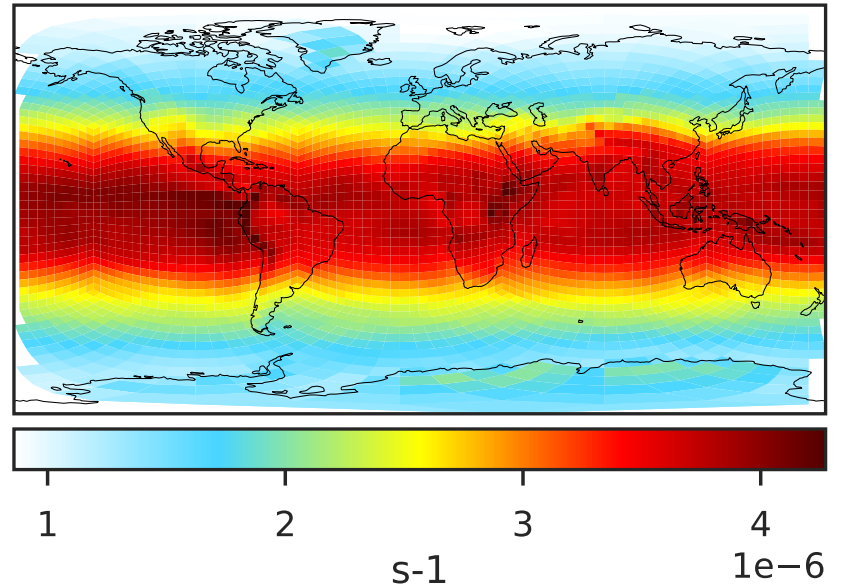


# Jval\_ALD2 (AnnualMean)

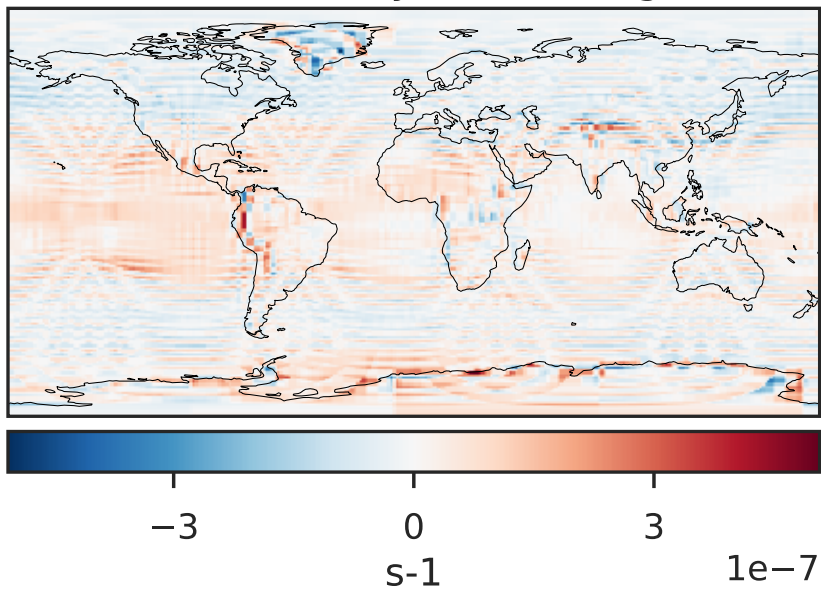
GCC\_14.2.0 (Ref)  
4.0x5.0



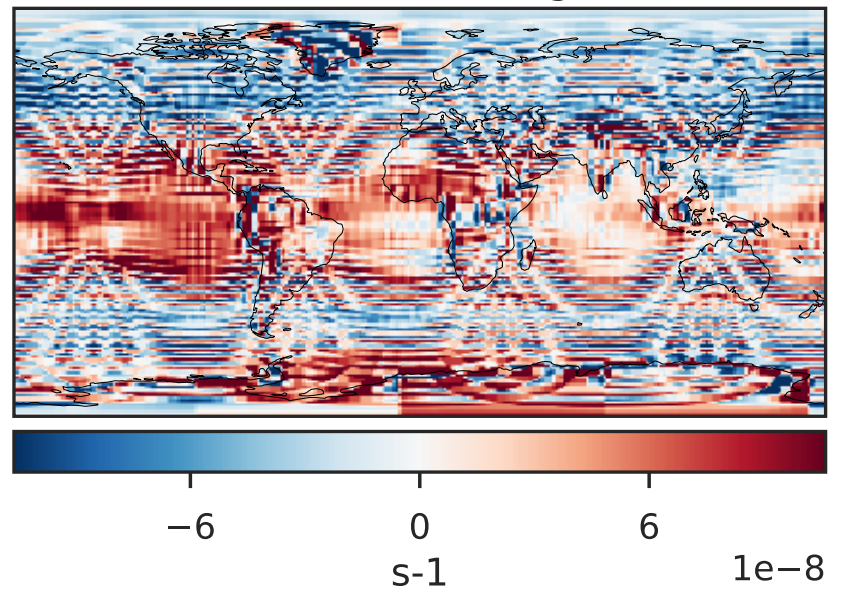
GCHP\_14.2.0 (Dev)  
c24



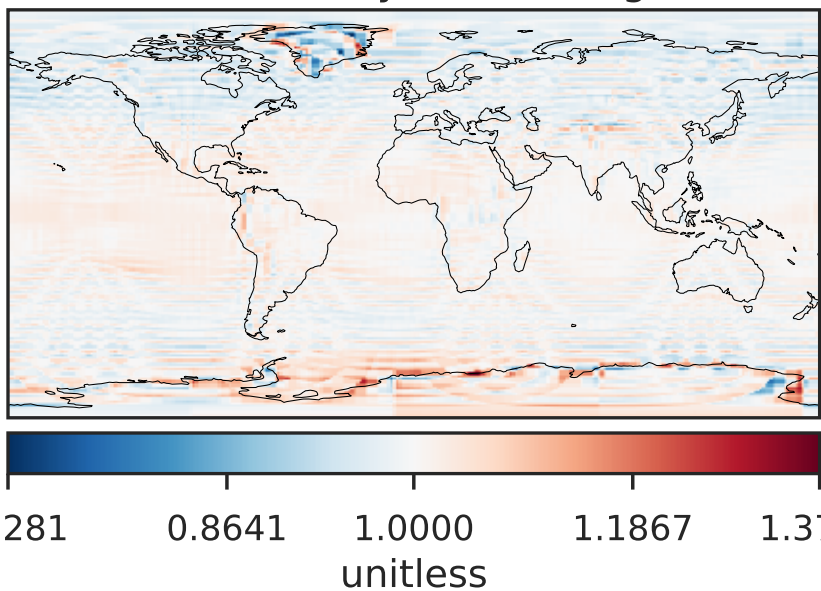
Difference (1x1.25)  
Dev - Ref, Dynamic Range



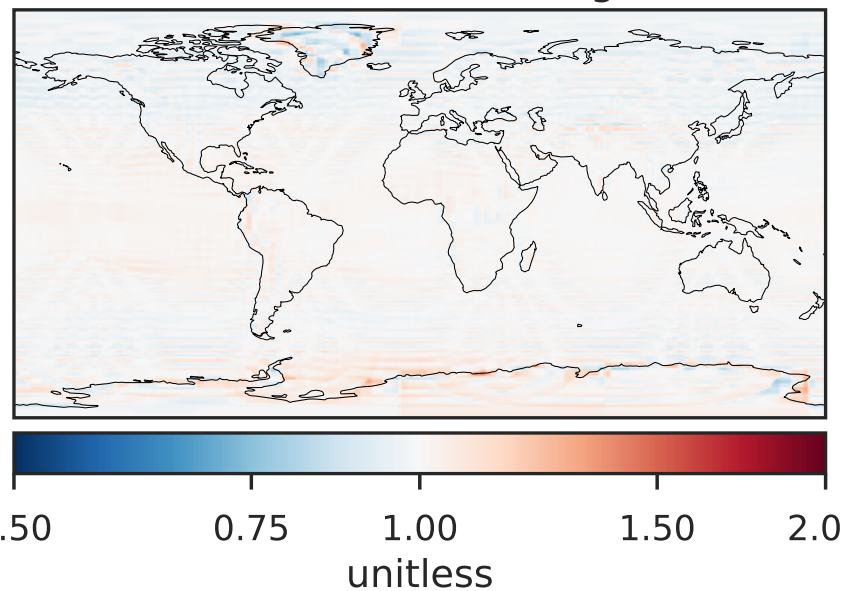
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)  
Dev/Ref, Dynamic Range

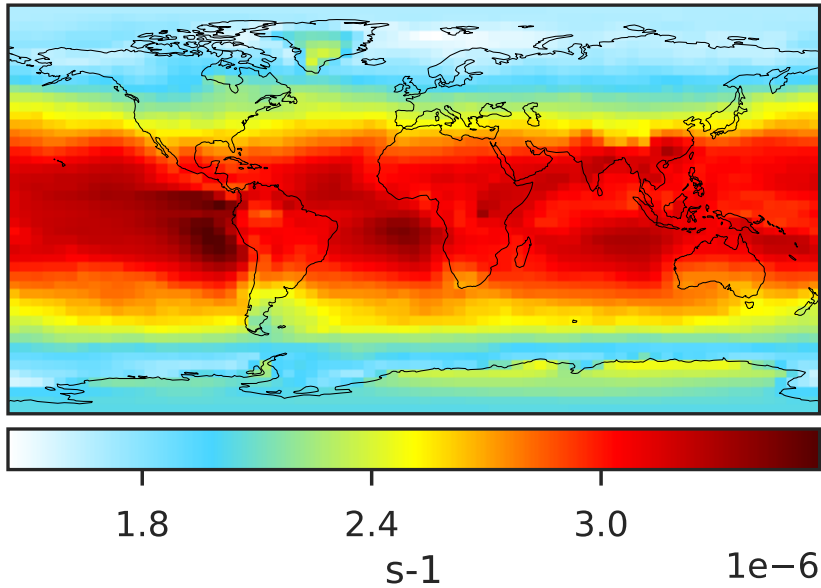


Ratio (1x1.25)  
Dev/Ref, Fixed Range

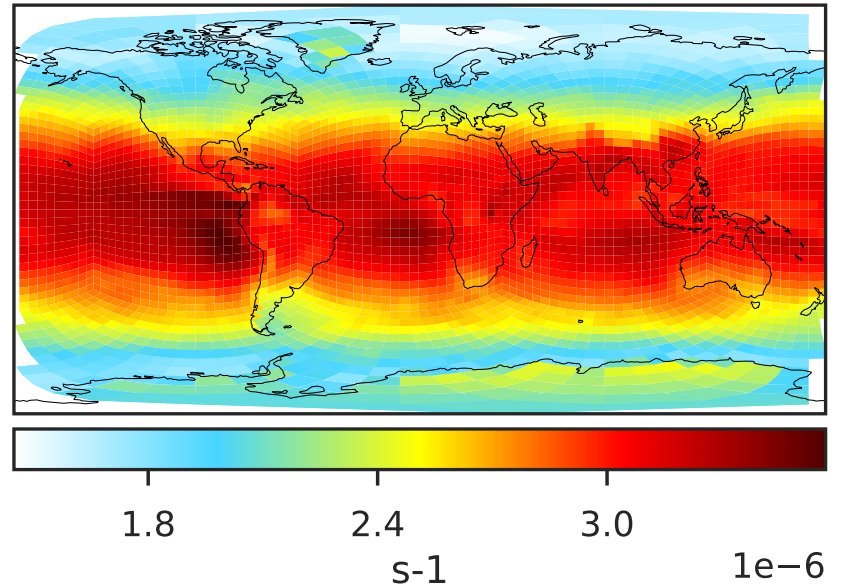


# Jval\_ATOOH (AnnualMean)

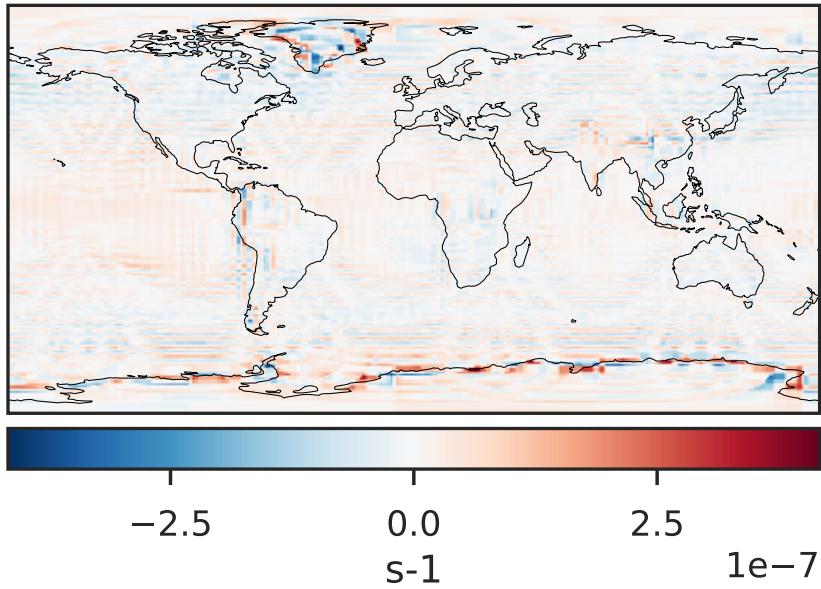
GCC\_14.2.0 (Ref)  
4.0x5.0



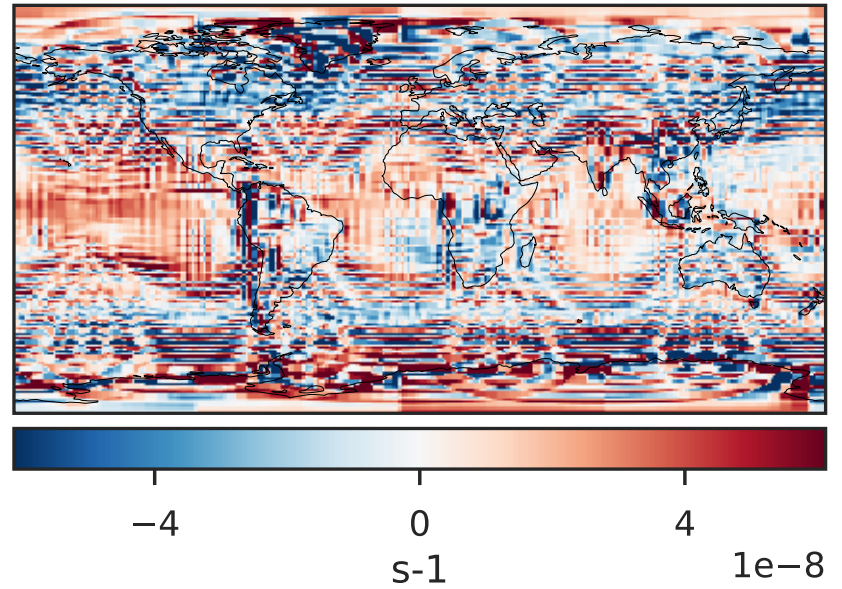
GCHP\_14.2.0 (Dev)  
c24



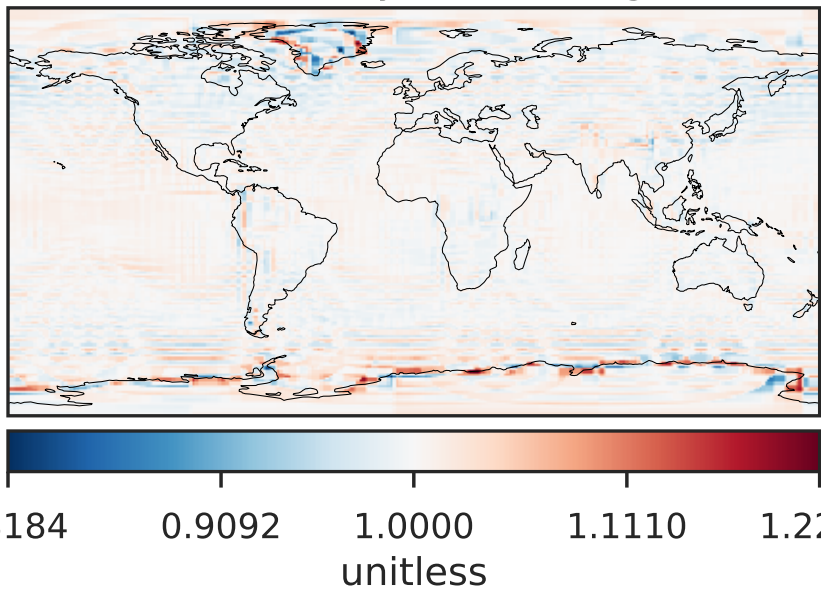
Difference (1x1.25)  
Dev - Ref, Dynamic Range



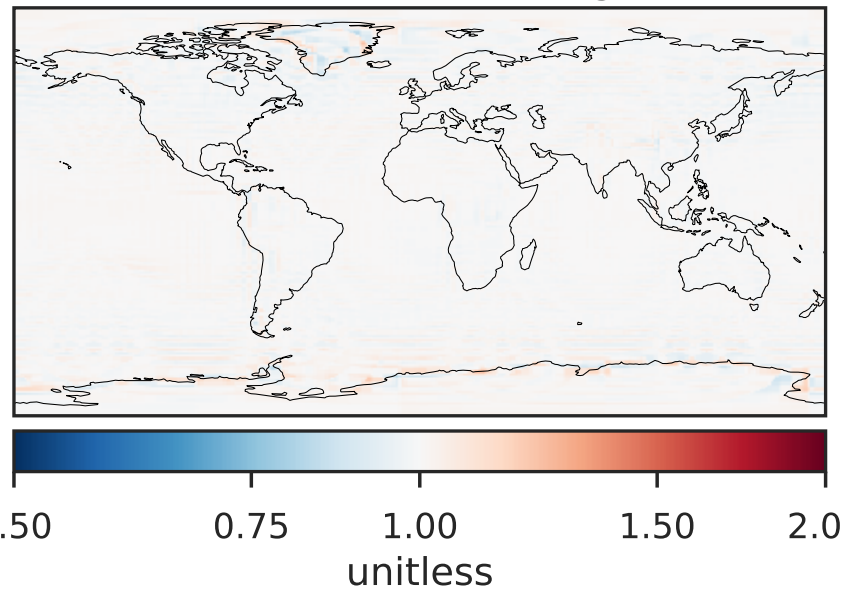
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)  
Dev/Ref, Dynamic Range

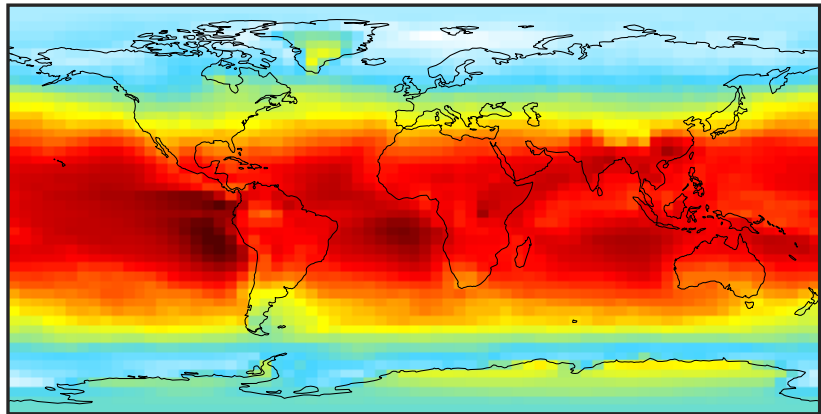


Ratio (1x1.25)  
Dev/Ref, Fixed Range



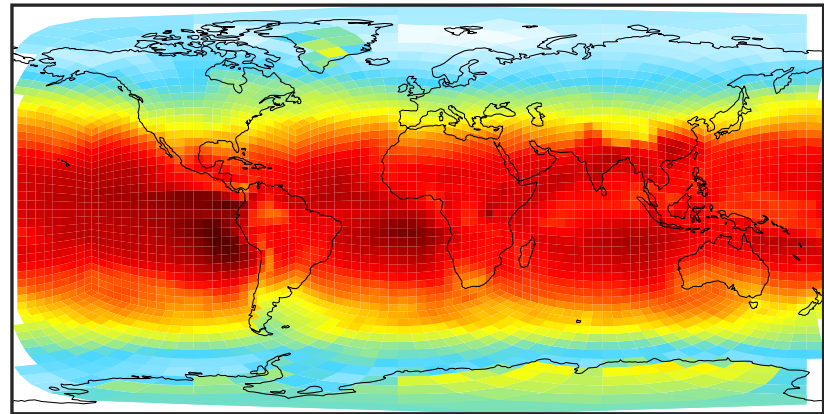
# Jval\_BALD (AnnualMean)

GCC\_14.2.0 (Ref)  
4.0x5.0



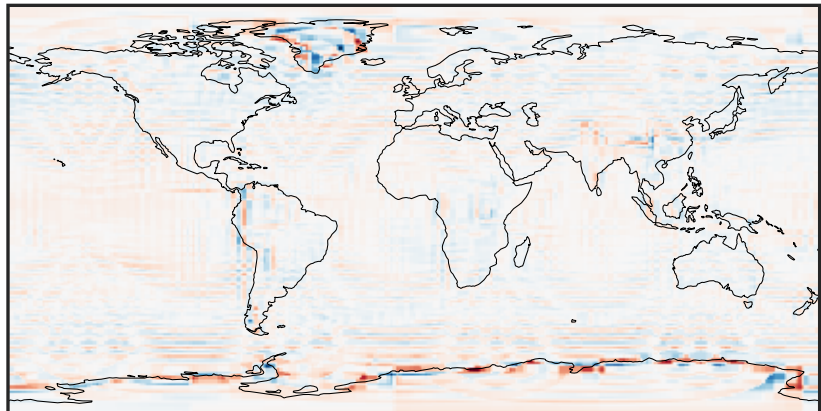
0.75 1.00 1.25 1.50  
s-1  $1e-5$

GCHP\_14.2.0 (Dev)  
c24



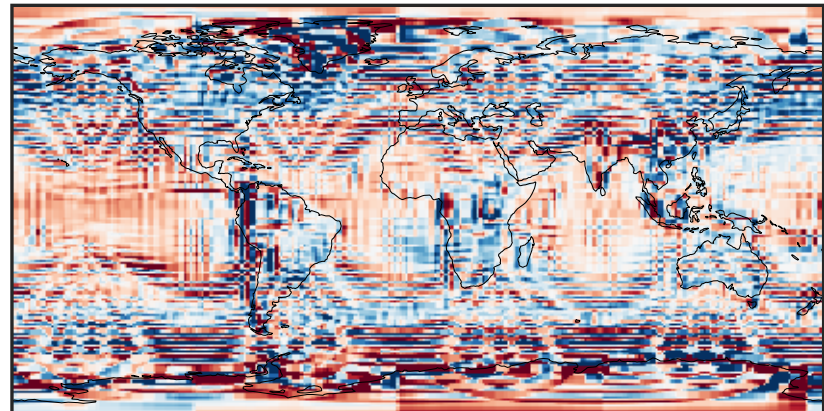
0.75 1.00 1.25 1.50  
s-1  $1e-5$

Difference (1x1.25)  
Dev - Ref, Dynamic Range



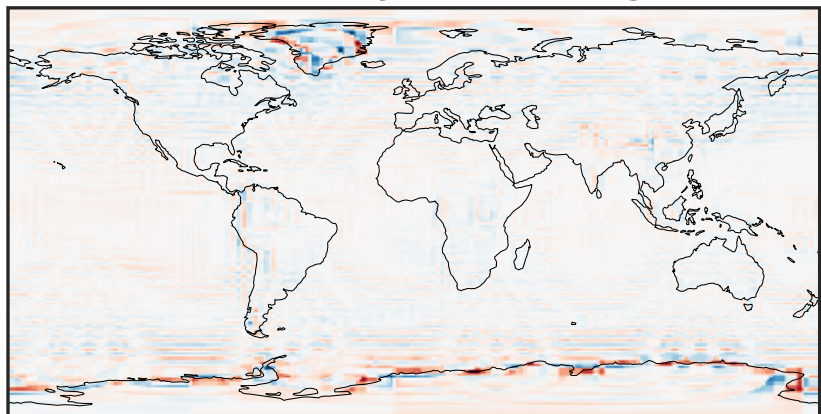
-1 0 1  
s-1  $1e-6$

Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



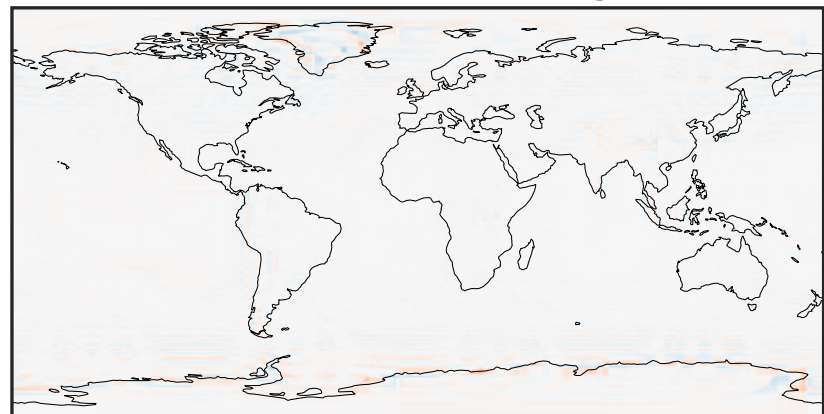
-1.5 0.0 1.5  
s-1  $1e-7$

Ratio (1x1.25)  
Dev/Ref, Dynamic Range



0.8159 0.9080 1.0000 1.1128 1.2256  
unitless

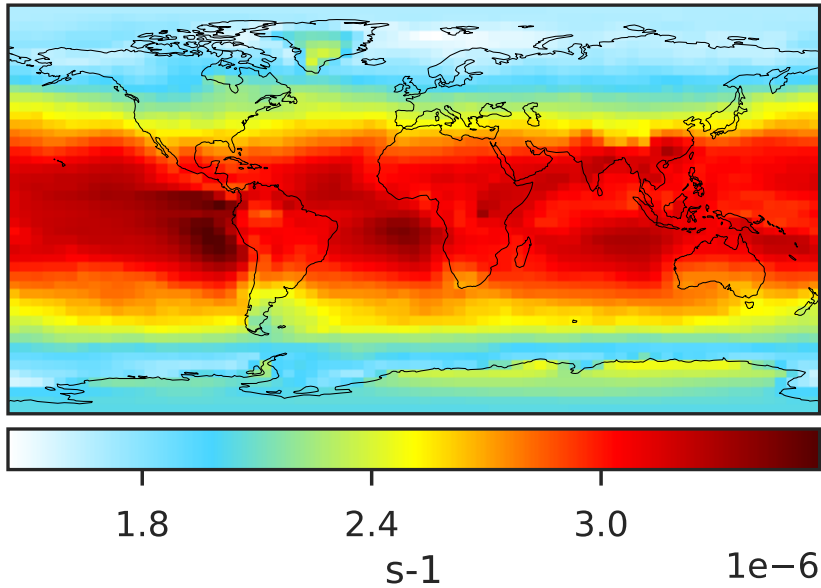
Ratio (1x1.25)  
Dev/Ref, Fixed Range



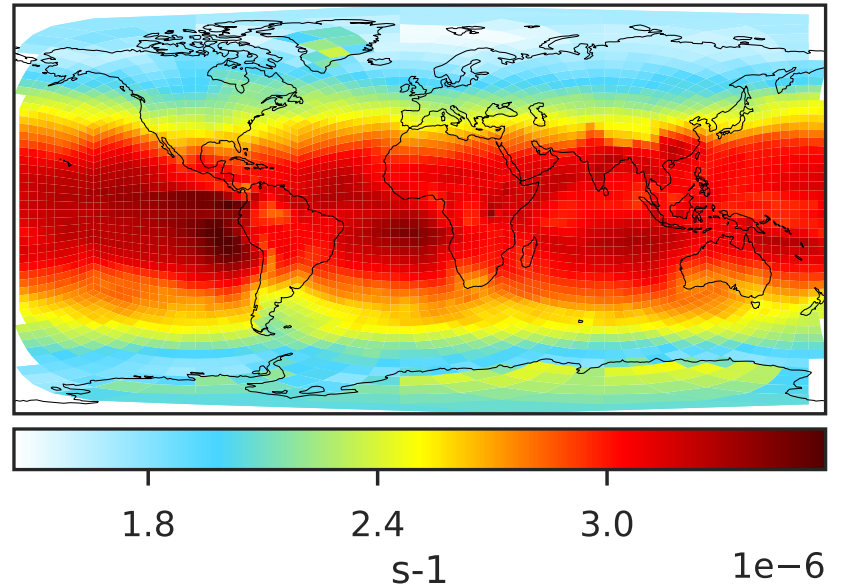
0.50 0.75 1.00 1.50 2.00  
unitless

# Jval\_BENZP (AnnualMean)

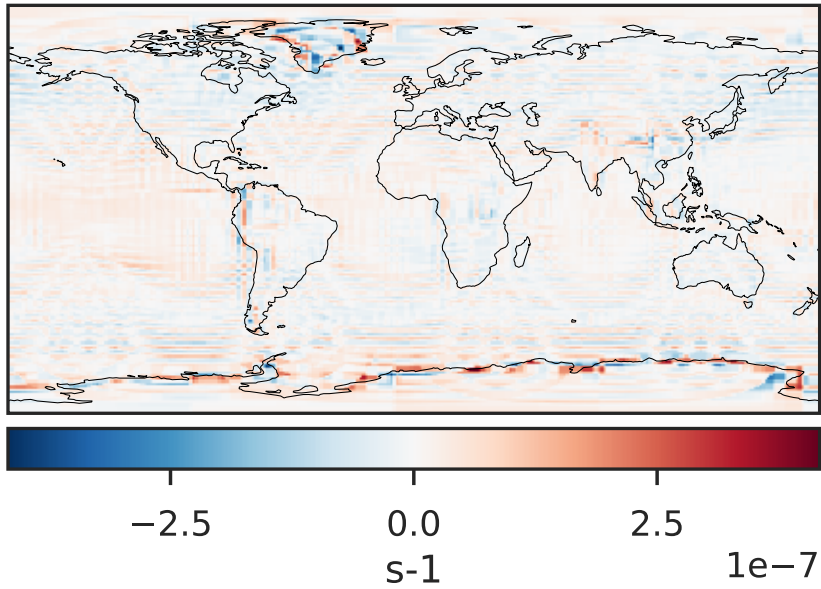
GCC\_14.2.0 (Ref)  
4.0x5.0



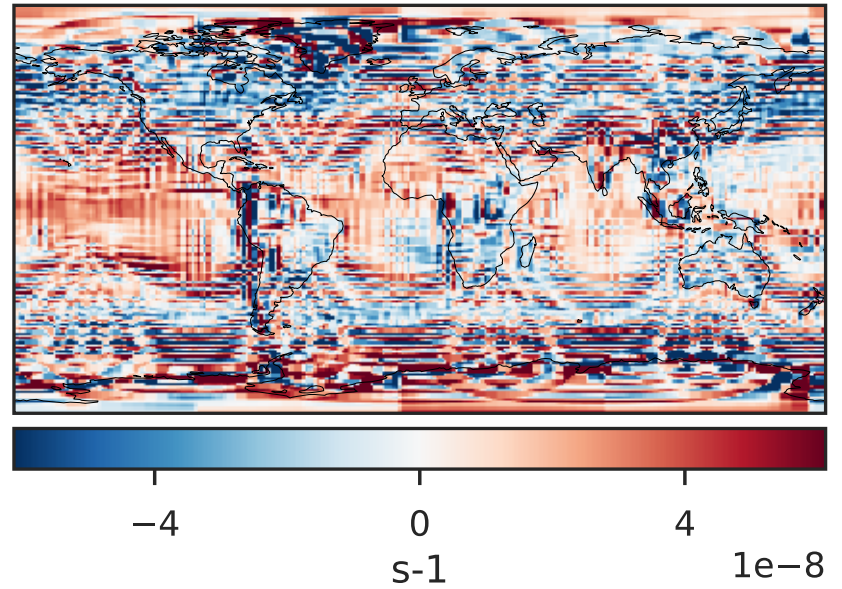
GCHP\_14.2.0 (Dev)  
c24



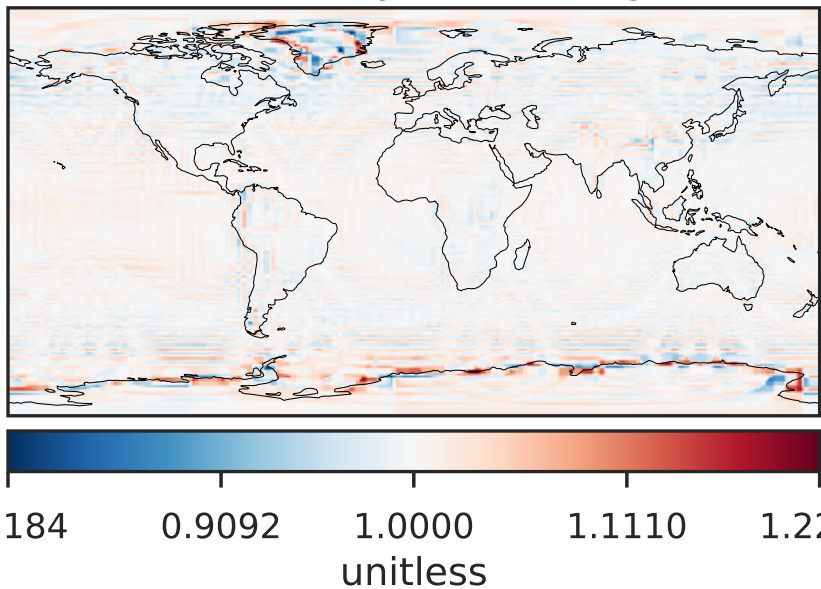
Difference (1x1.25)  
Dev - Ref, Dynamic Range



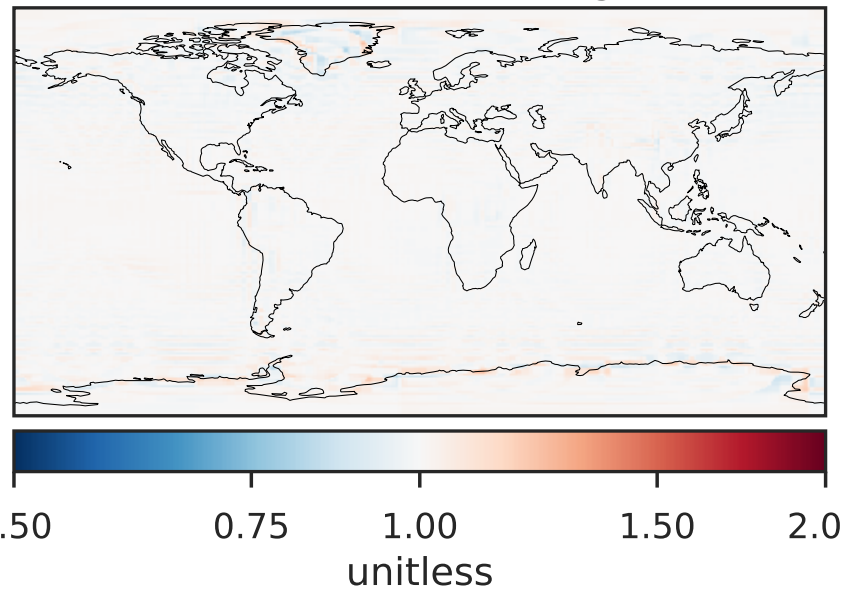
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)  
Dev/Ref, Dynamic Range

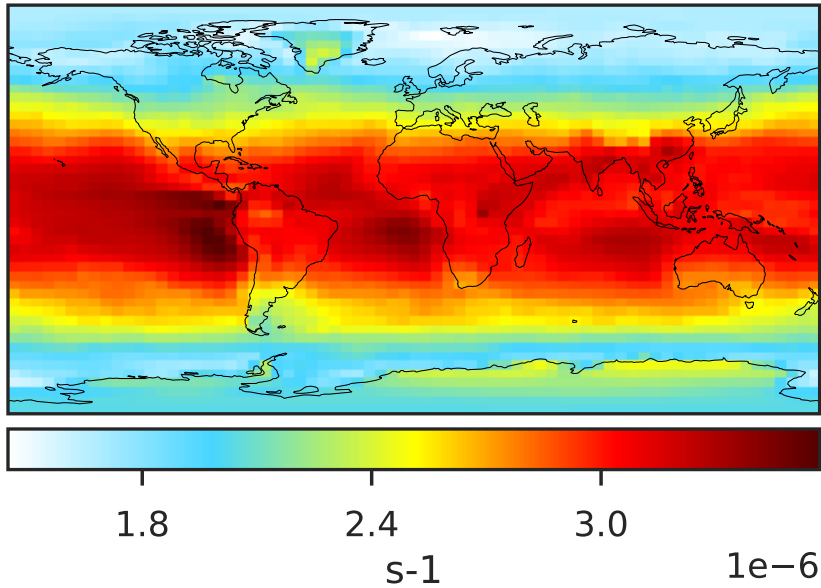


Ratio (1x1.25)  
Dev/Ref, Fixed Range

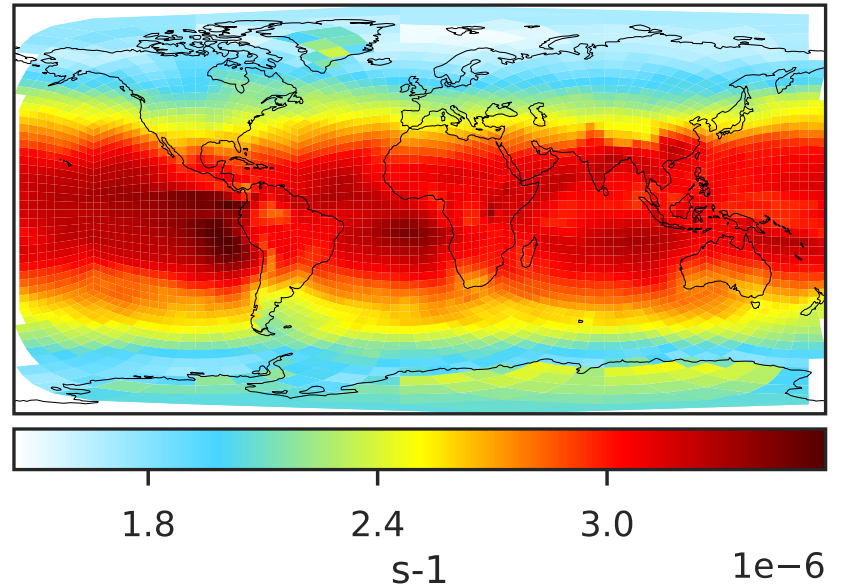


# Jval\_BZCO3H (AnnualMean)

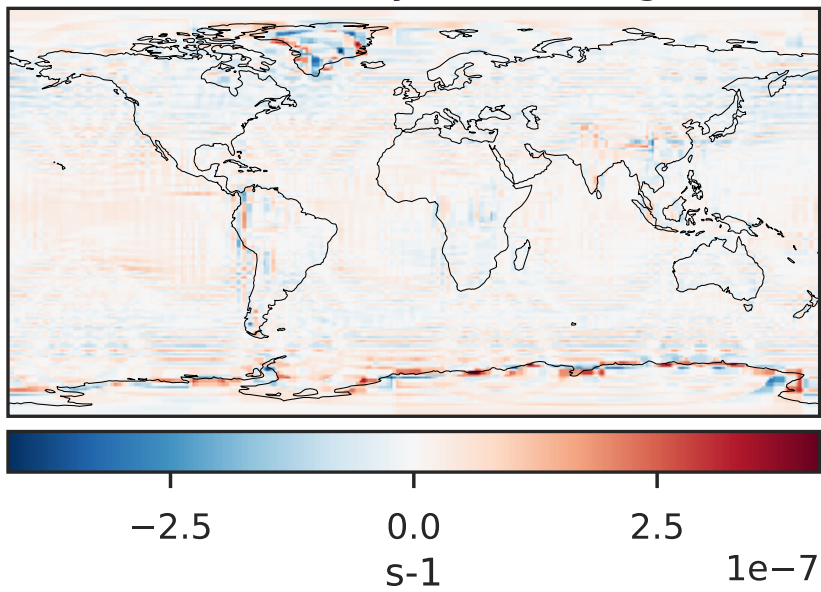
GCC\_14.2.0 (Ref)  
4.0x5.0



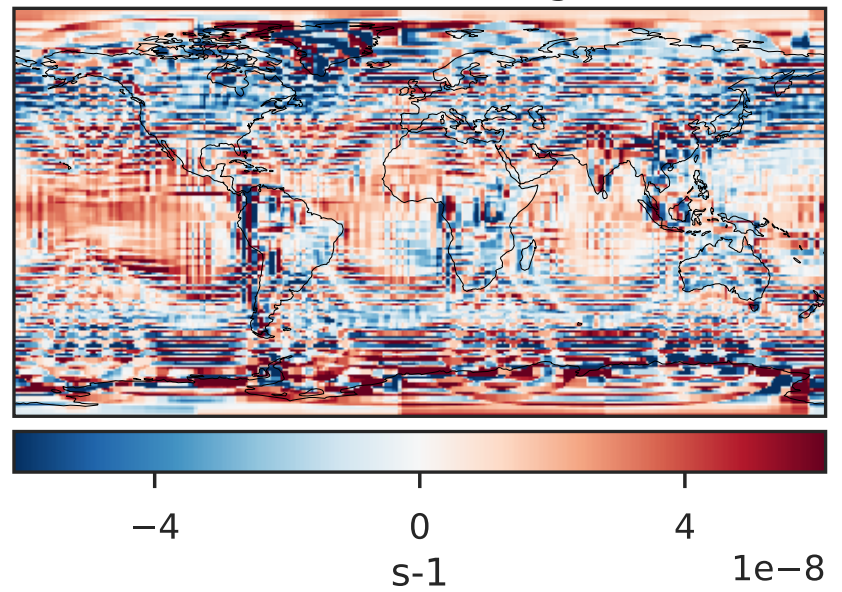
GCHP\_14.2.0 (Dev)  
c24



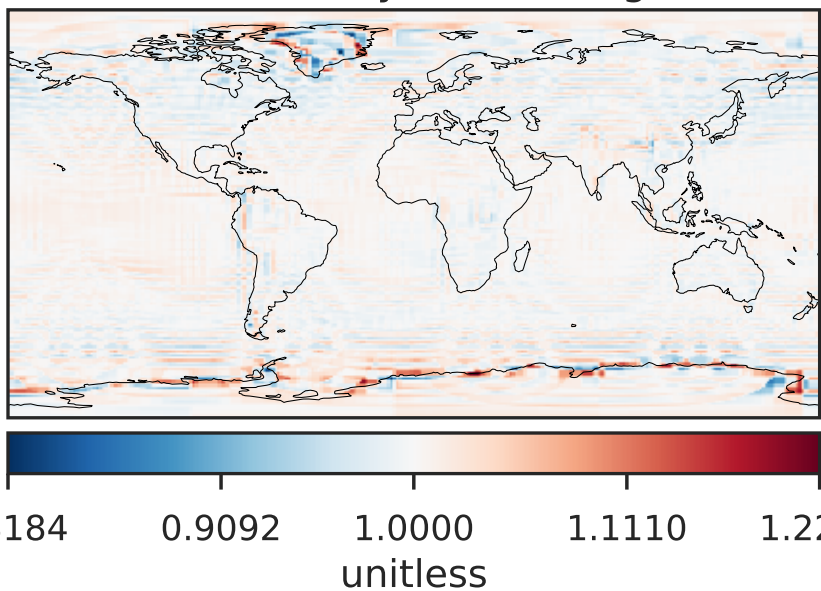
Difference (1x1.25)  
Dev - Ref, Dynamic Range



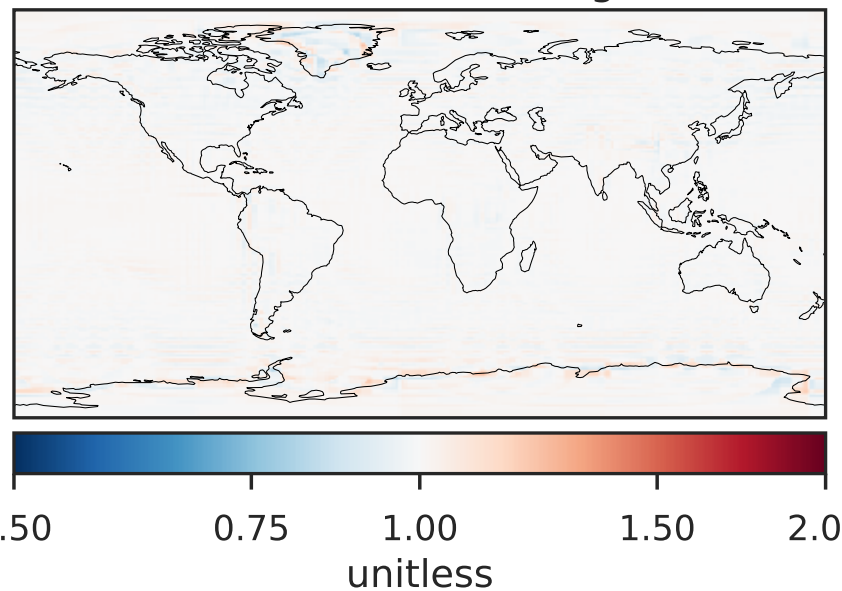
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)  
Dev/Ref, Dynamic Range



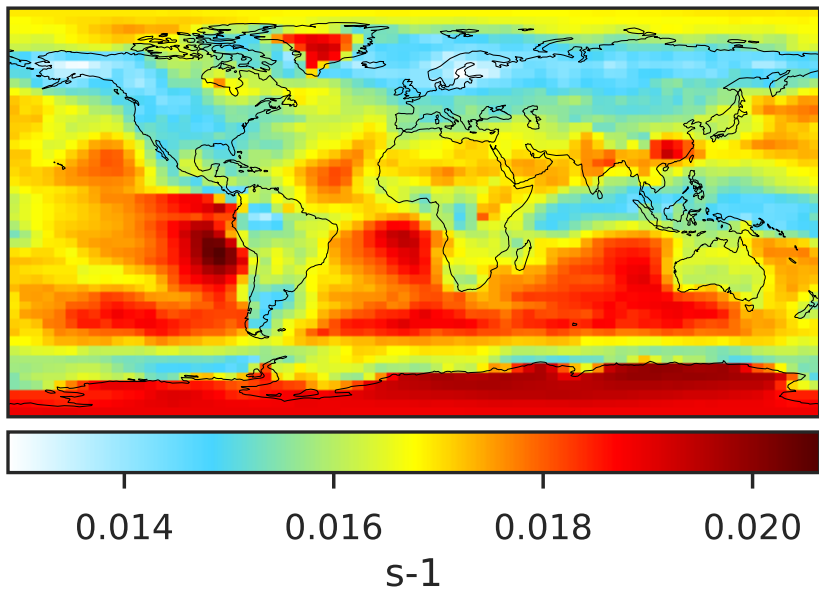
Ratio (1x1.25)  
Dev/Ref, Fixed Range



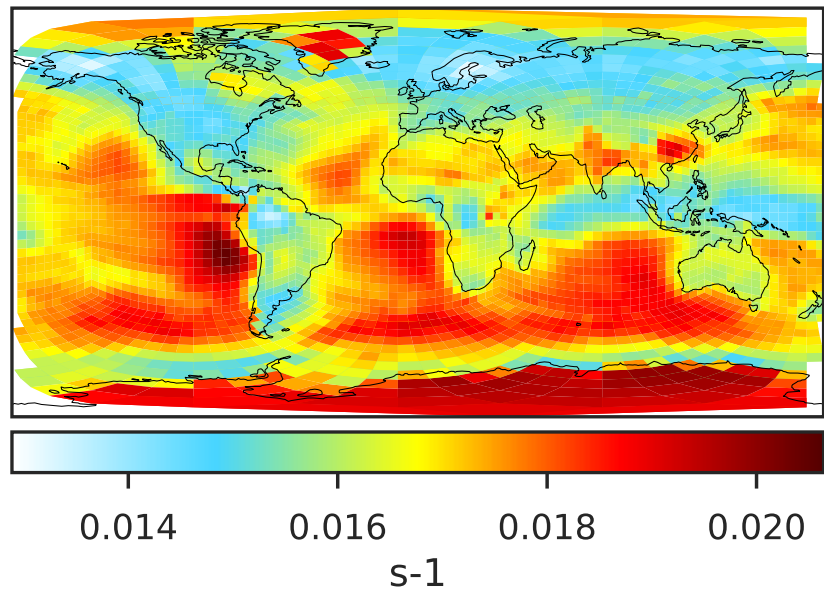


# Jval\_Br2 (AnnualMean)

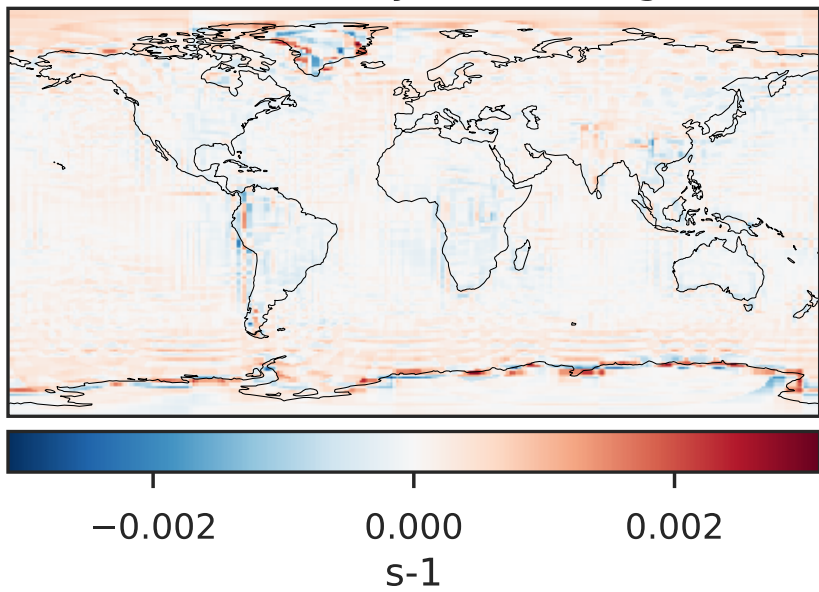
GCC\_14.2.0 (Ref)  
4.0x5.0



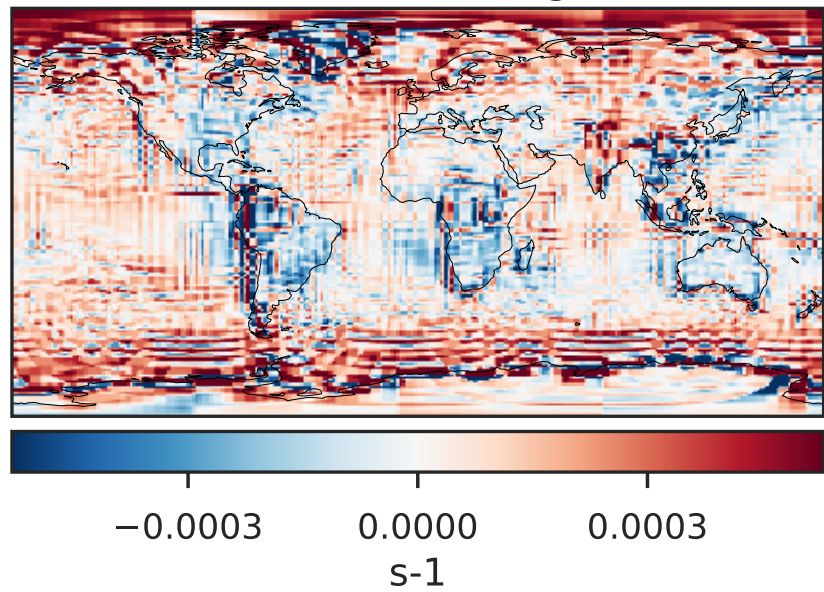
GCHP\_14.2.0 (Dev)  
c24



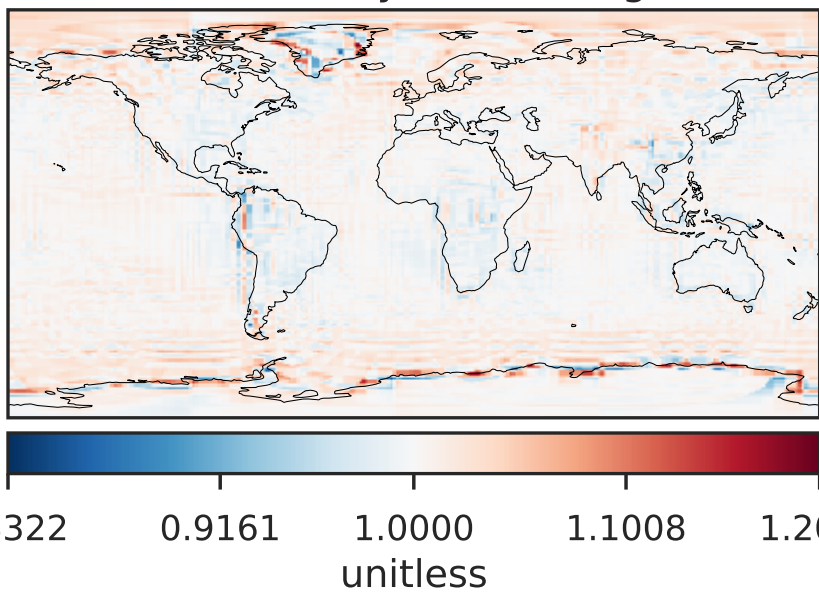
Difference (1x1.25)  
Dev - Ref, Dynamic Range



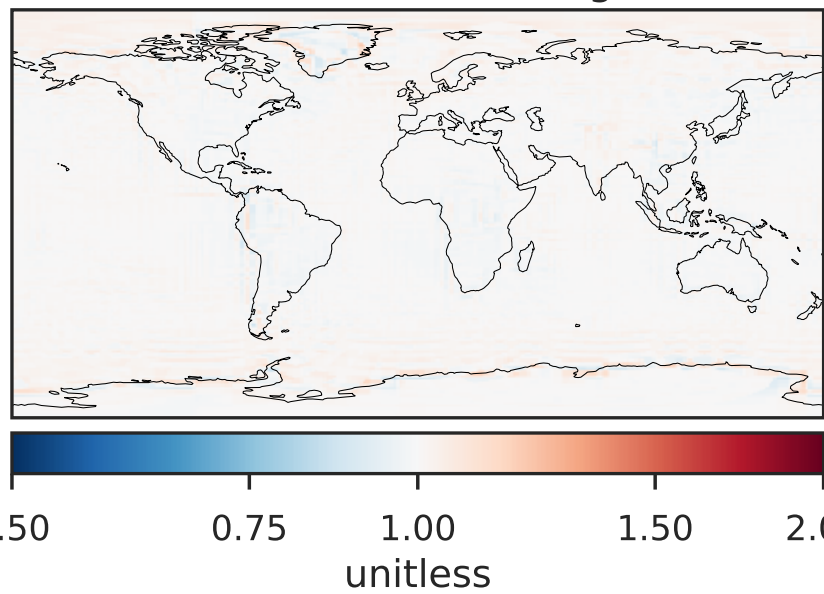
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)  
Dev/Ref, Dynamic Range

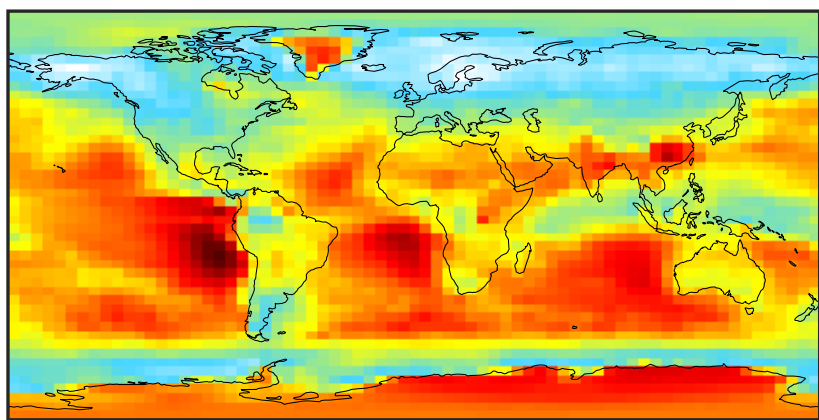


Ratio (1x1.25)  
Dev/Ref, Fixed Range



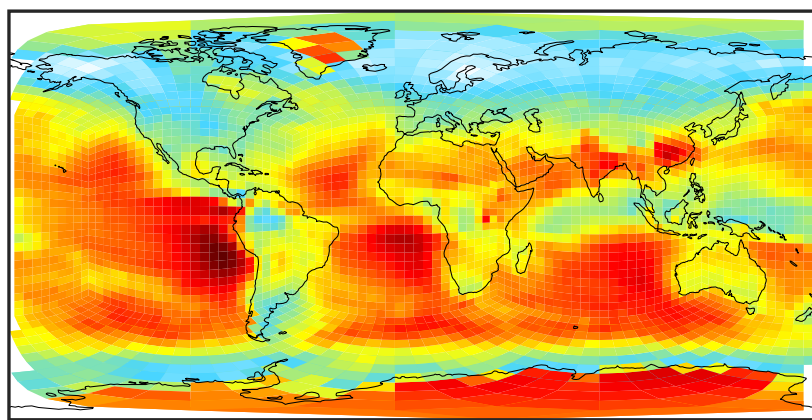
# Jval\_BrCl (AnnualMean)

GCC\_14.2.0 (Ref)  
4.0x5.0



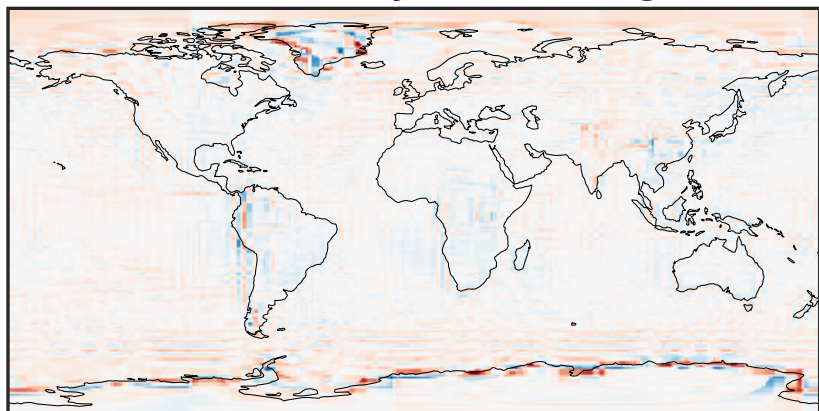
0.0040 0.0048 0.0056 0.0064  
s-1

GCHP\_14.2.0 (Dev)  
c24



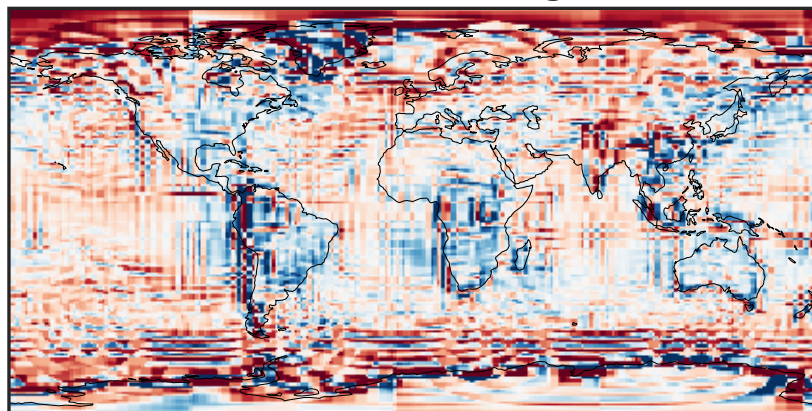
0.0040 0.0048 0.0056 0.0064  
s-1

Difference (1x1.25)  
Dev - Ref, Dynamic Range



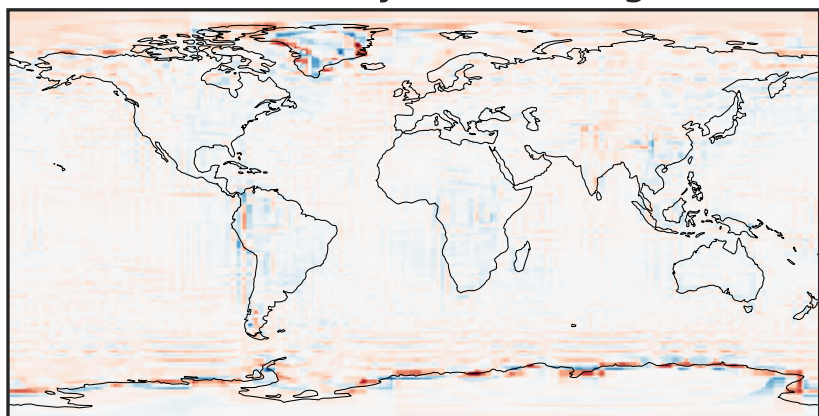
-0.0005 0.0000 0.0005  
s-1

Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



-8 0 8  
s-1 1e-5

Ratio (1x1.25)  
Dev/Ref, Dynamic Range



0.8272 0.9136 1.0000 1.1045 1.2090  
unitless

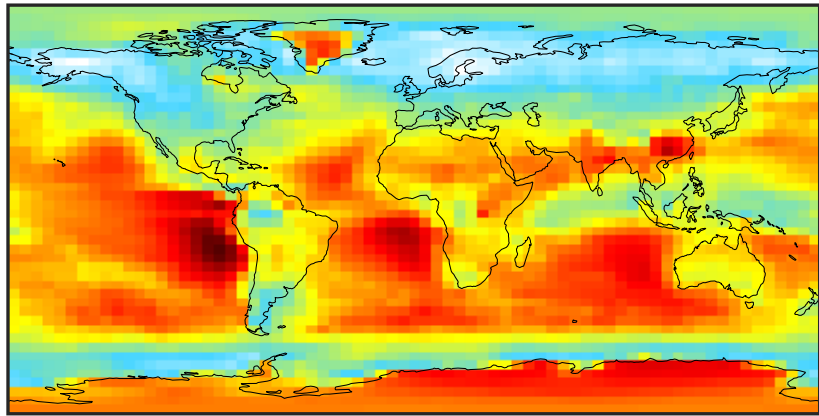
Ratio (1x1.25)  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

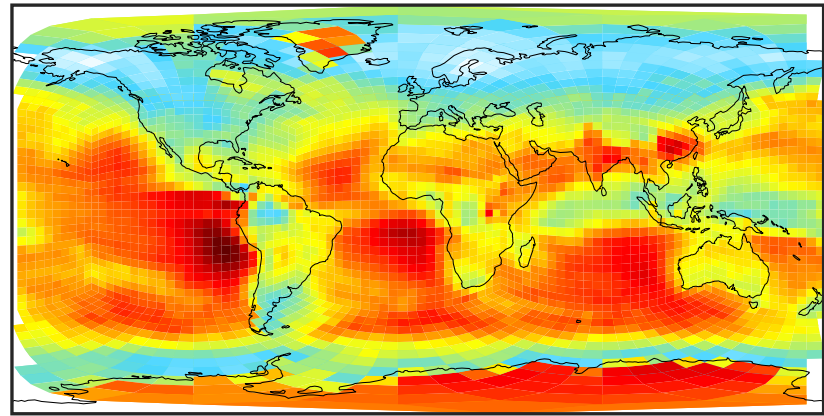
# Jval\_BrNO2 (AnnualMean)

GCC\_14.2.0 (Ref)  
4.0x5.0



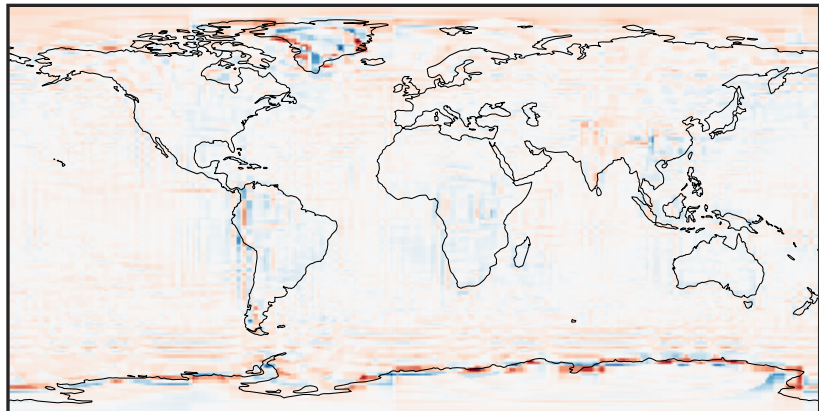
0.0025 0.0030 0.0035 0.0040  
s-1

GCHP\_14.2.0 (Dev)  
c24



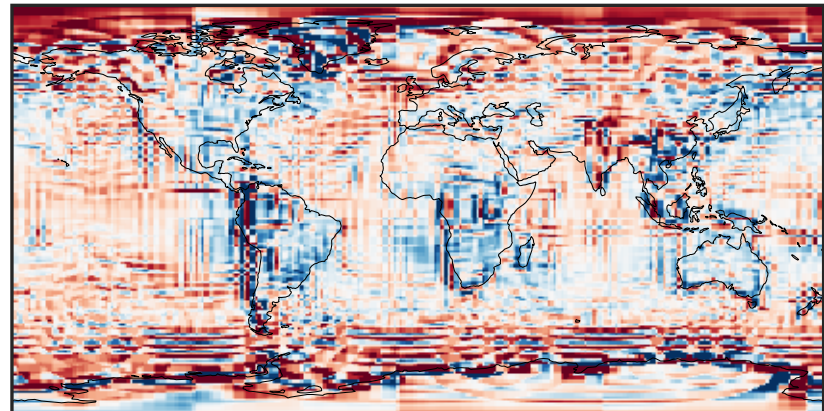
0.0025 0.0030 0.0035 0.0040  
s-1

Difference (1x1.25)  
Dev - Ref, Dynamic Range



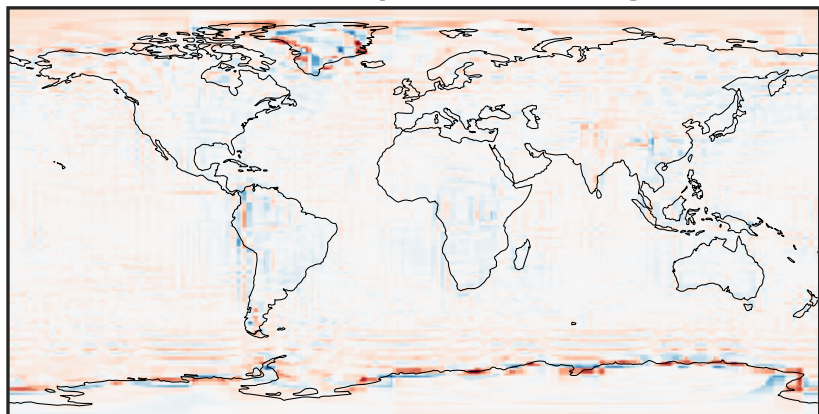
-0.0003 0.0000 0.0003  
s-1

Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



-5 0 5  
s-1 1e-5

Ratio (1x1.25)  
Dev/Ref, Dynamic Range



0.8277 0.9138 1.0000 1.1041 1.2082  
unitless

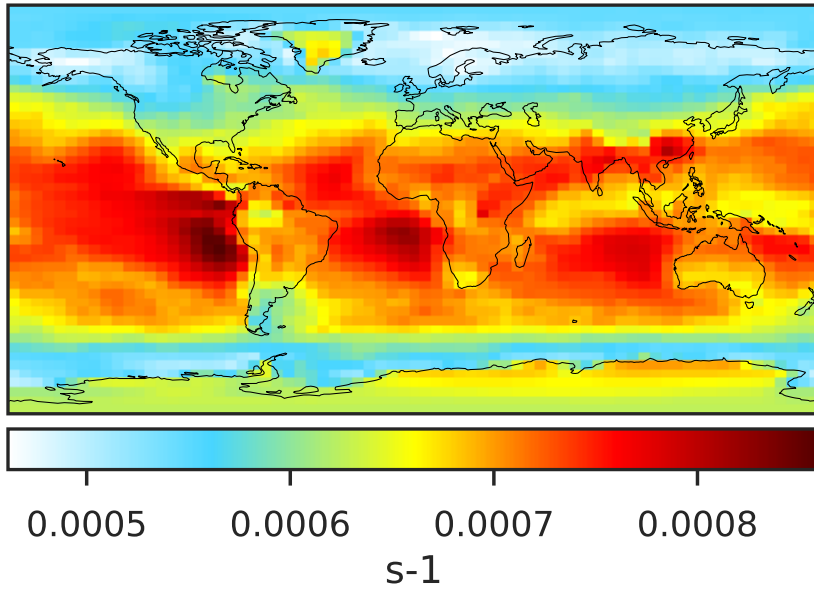
Ratio (1x1.25)  
Dev/Ref, Fixed Range



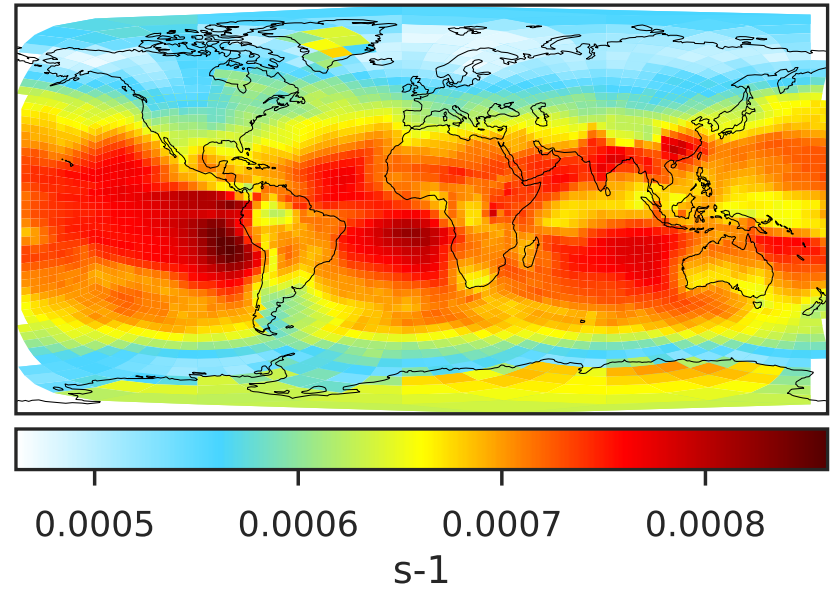
0.50 0.75 1.00 1.50 2.00  
unitless

# Jval\_BrNO3 (AnnualMean)

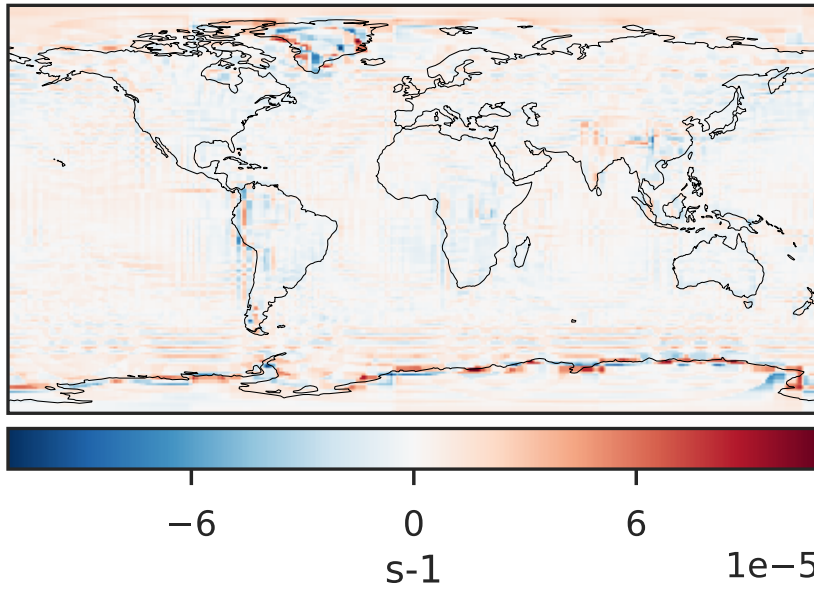
GCC\_14.2.0 (Ref)  
4.0x5.0



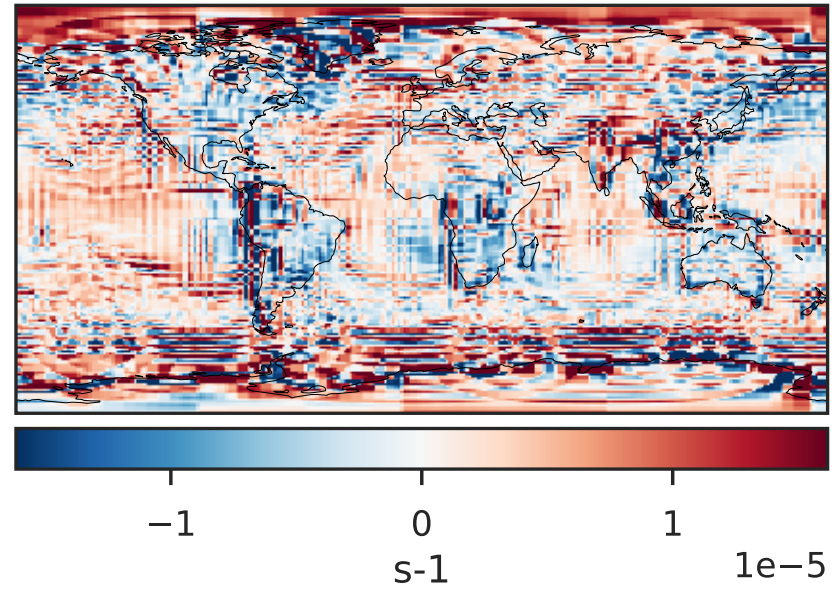
GCHP\_14.2.0 (Dev)  
c24



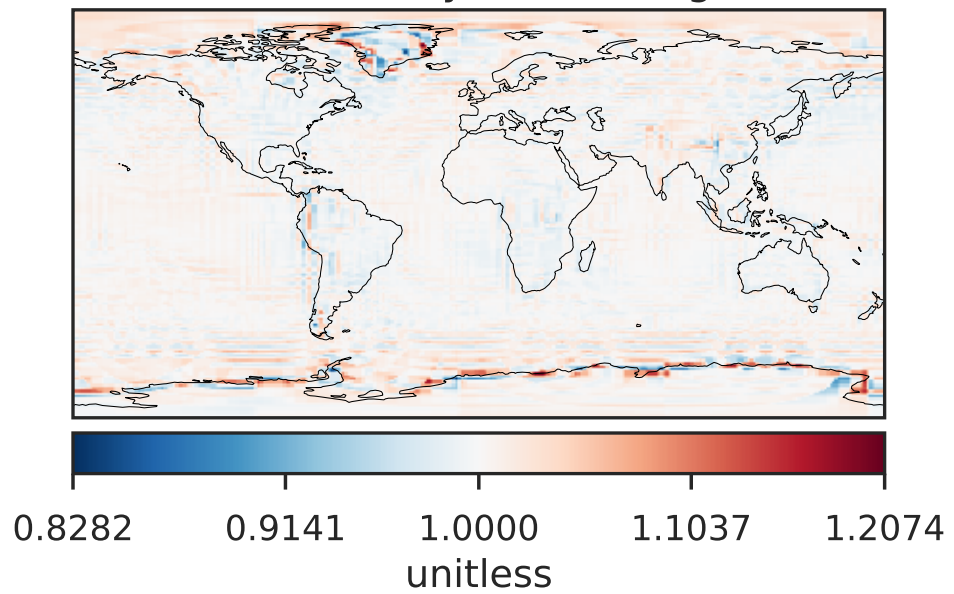
Difference (1x1.25)  
Dev - Ref, Dynamic Range



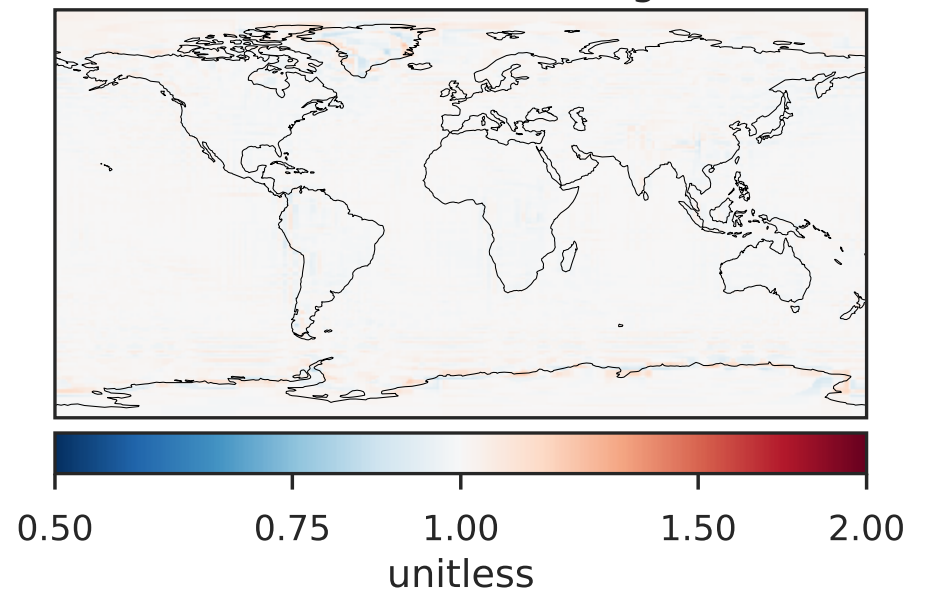
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)  
Dev/Ref, Dynamic Range

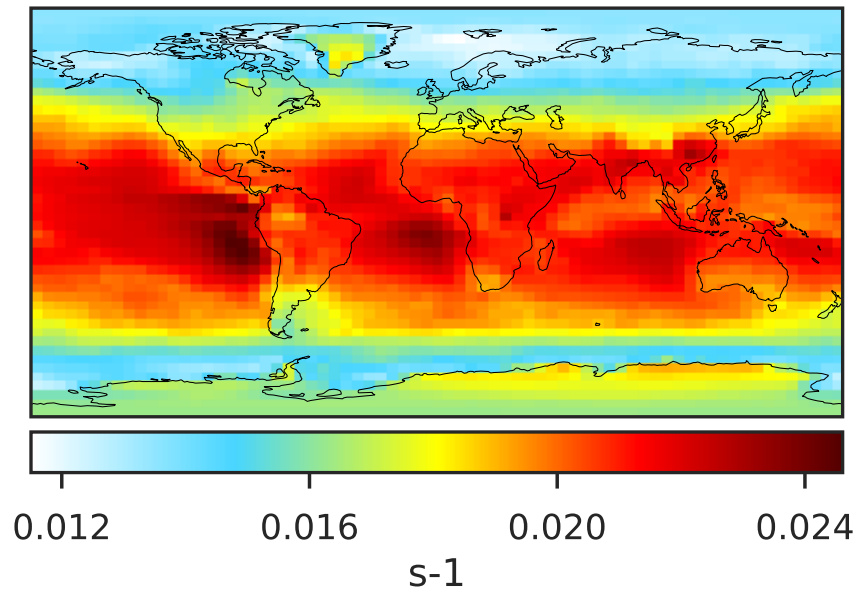


Ratio (1x1.25)  
Dev/Ref, Fixed Range

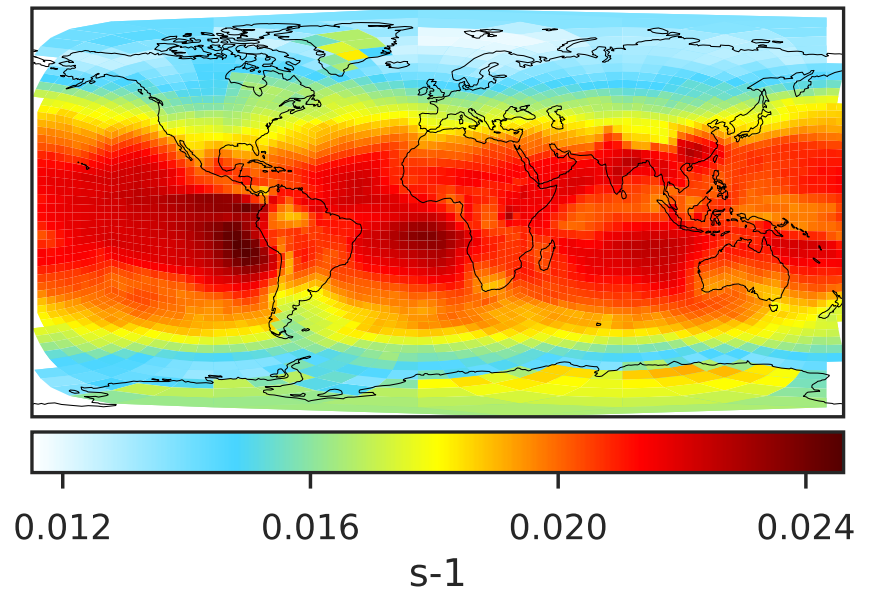


# Jval\_BrO (AnnualMean)

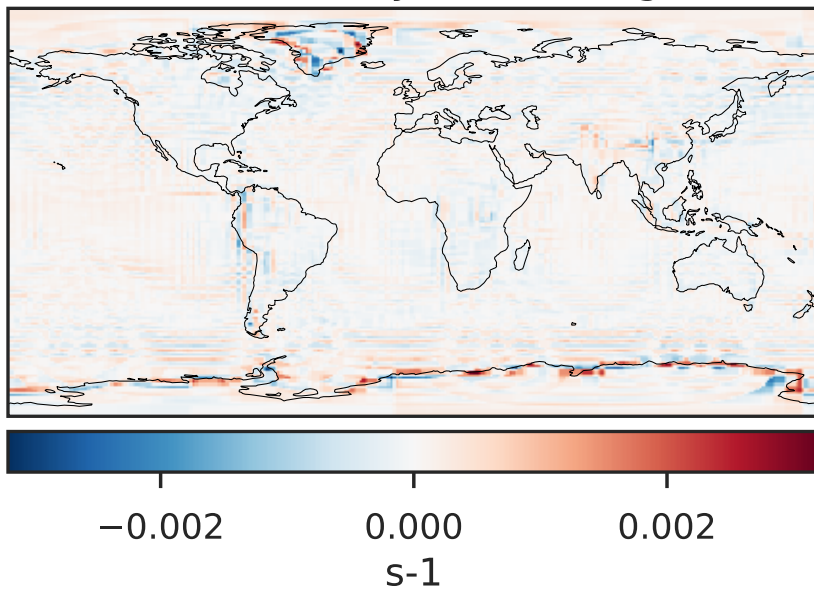
GCC\_14.2.0 (Ref)  
4.0x5.0



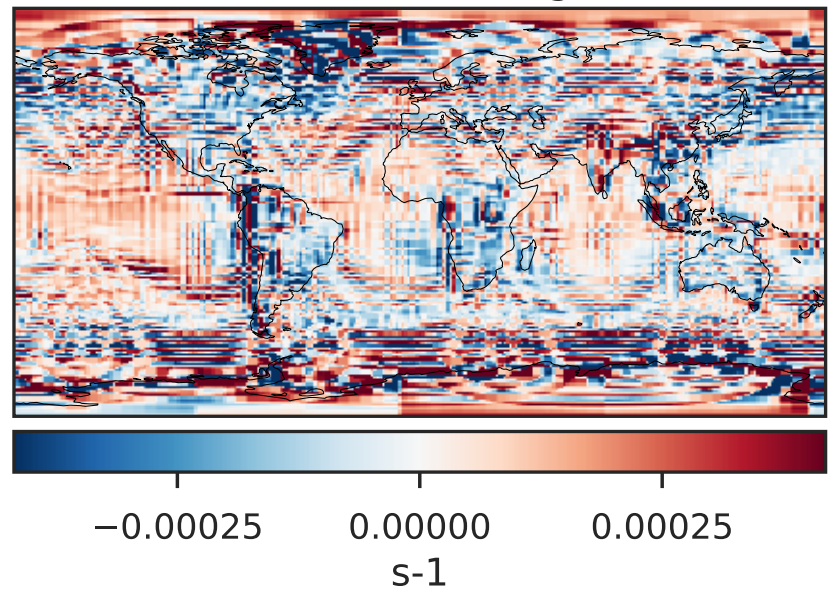
GCHP\_14.2.0 (Dev)  
c24



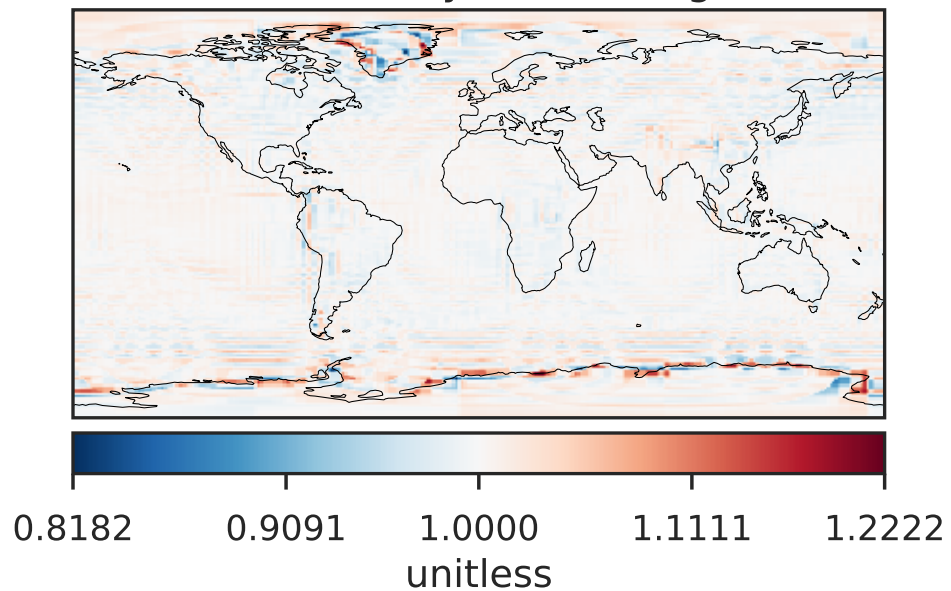
Difference (1x1.25)  
Dev - Ref, Dynamic Range



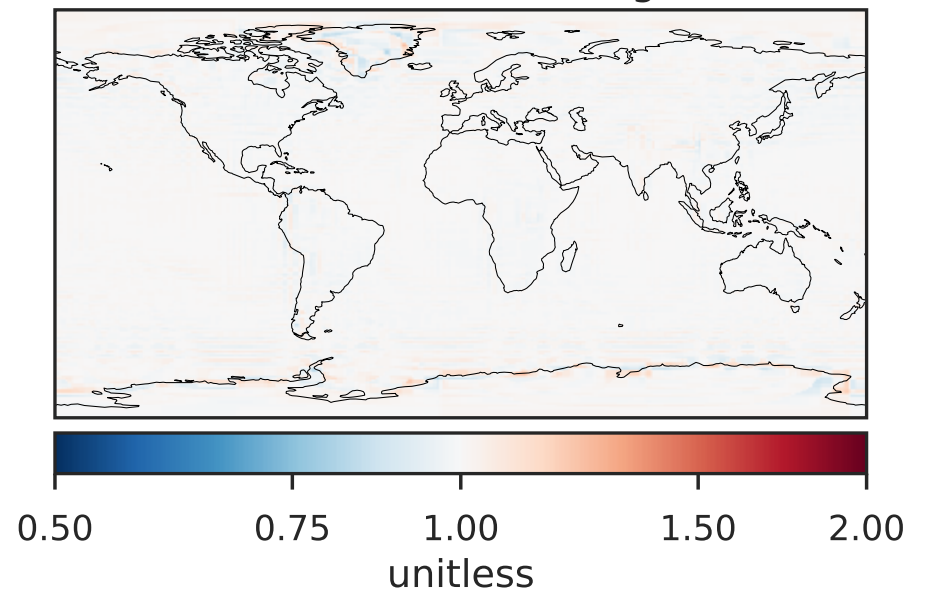
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)  
Dev/Ref, Dynamic Range

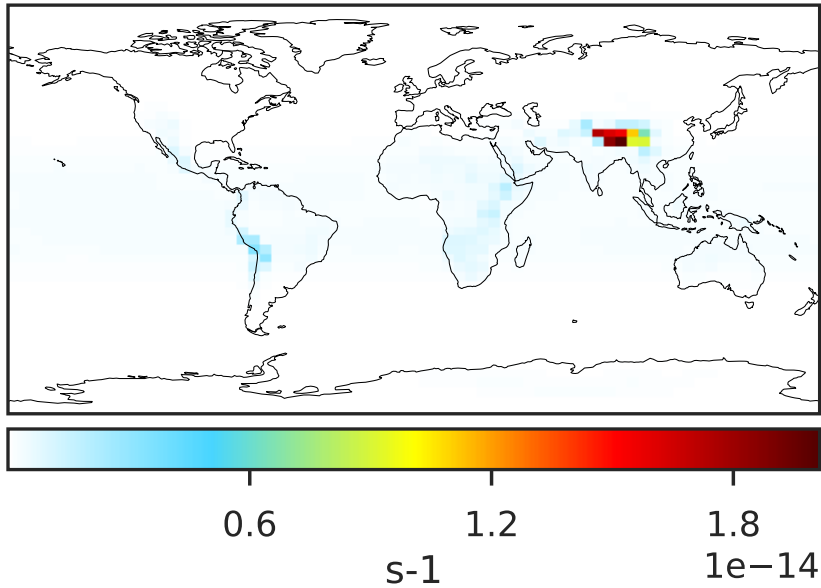


Ratio (1x1.25)  
Dev/Ref, Fixed Range

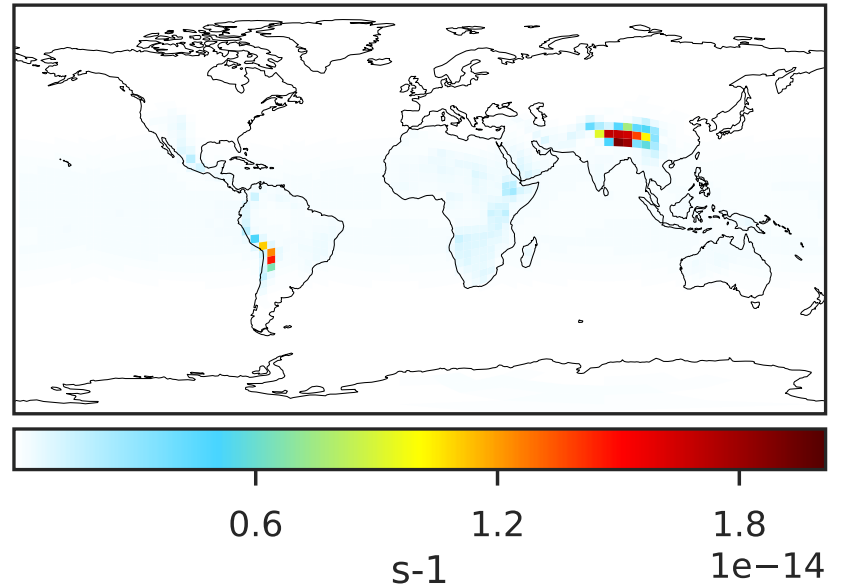


# Jval\_CCl4 (AnnualMean)

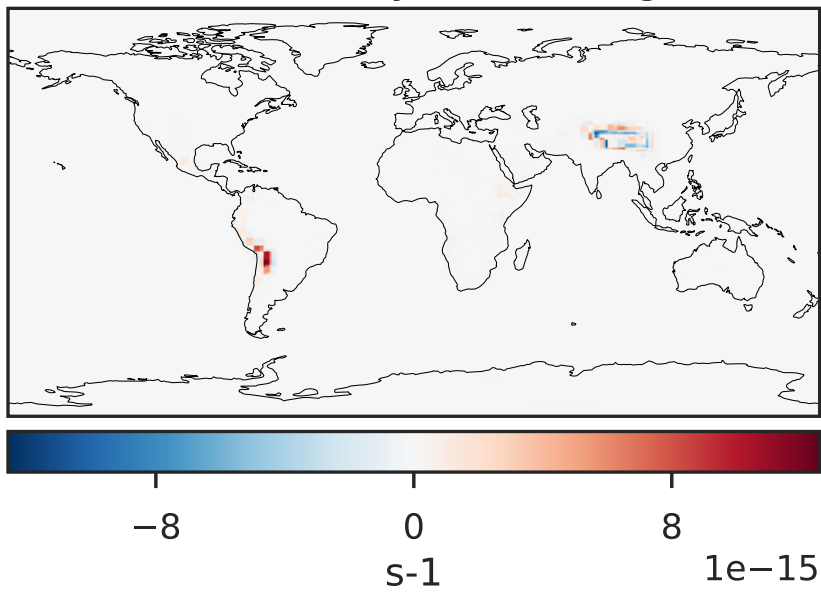
GCC\_14.2.0 (Ref)  
4.0x5.0



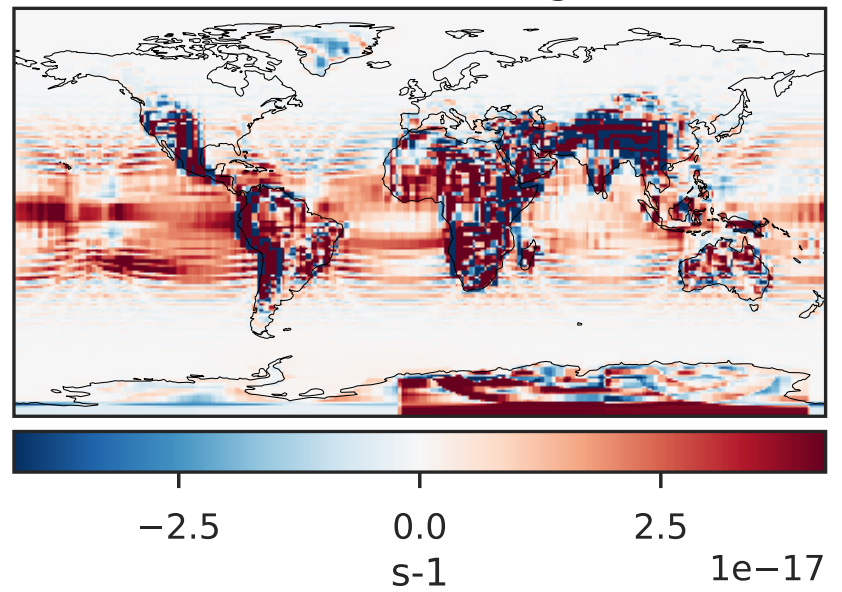
GCHP\_14.2.0 (Dev)  
c24



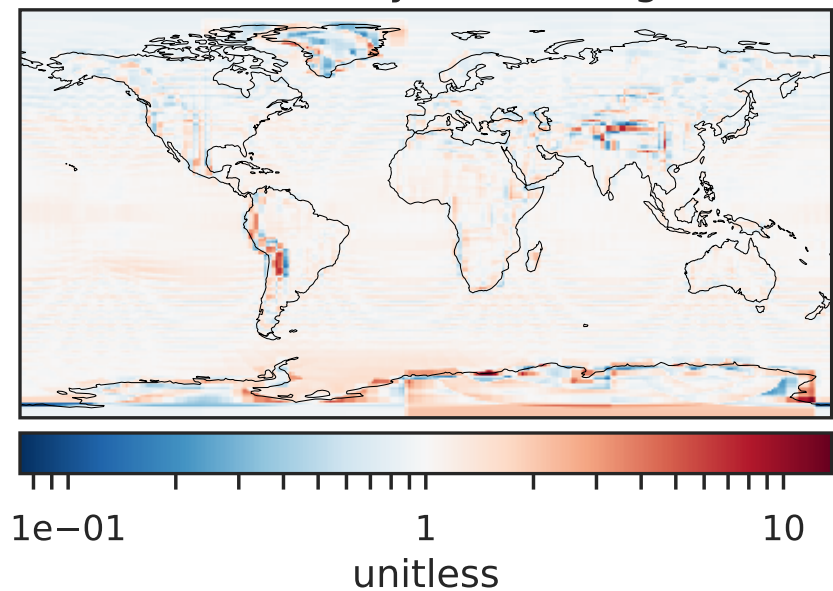
Difference (1x1.25)  
Dev - Ref, Dynamic Range



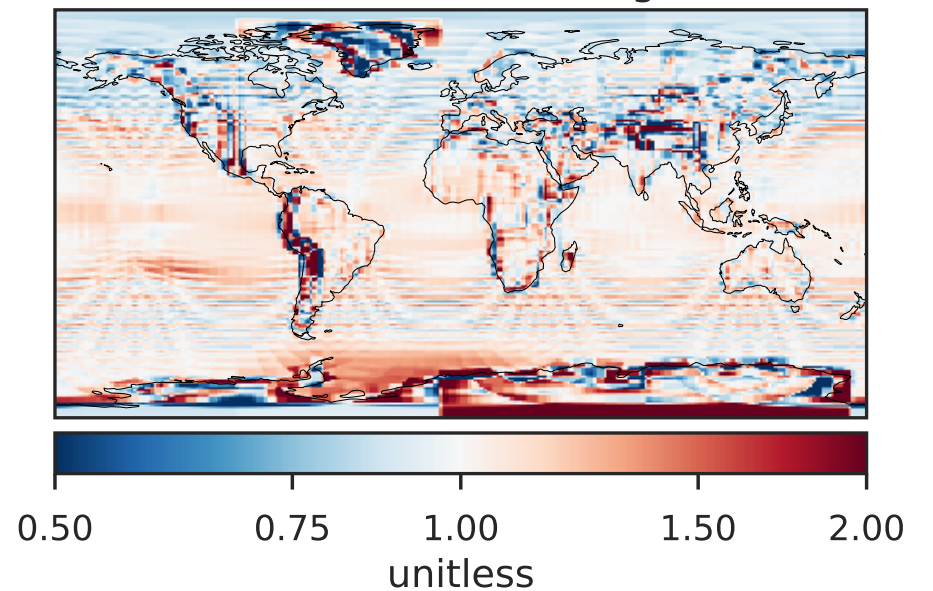
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)  
Dev/Ref, Dynamic Range

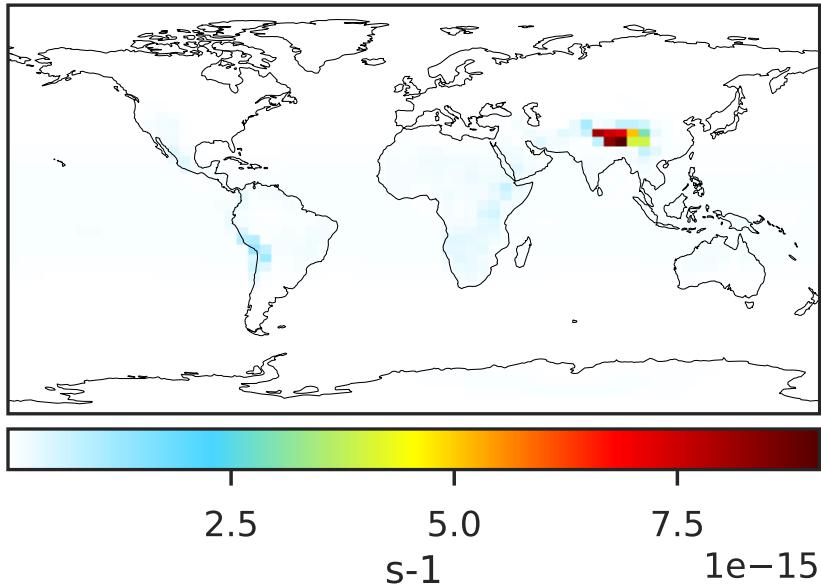


Ratio (1x1.25)  
Dev/Ref, Fixed Range

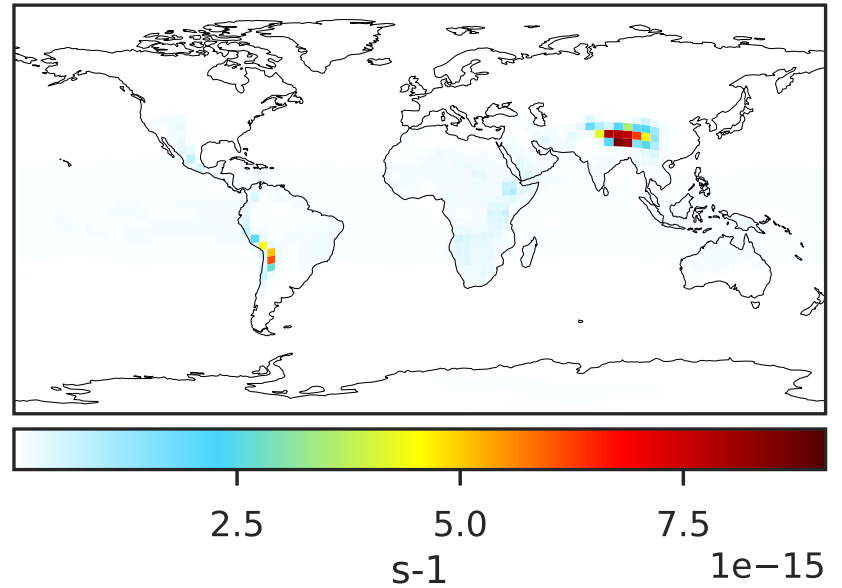


# Jval\_CFC11 (AnnualMean)

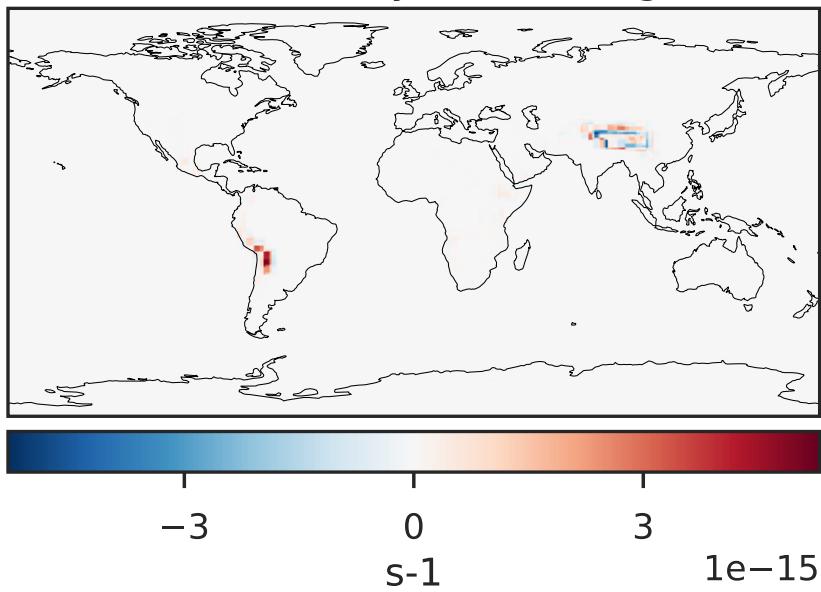
GCC\_14.2.0 (Ref)  
4.0x5.0



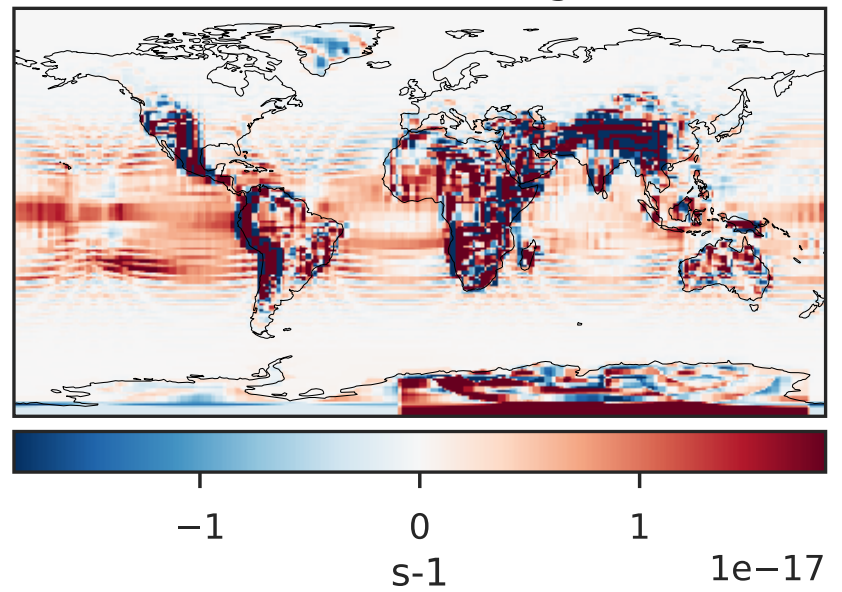
GCHP\_14.2.0 (Dev)  
c24



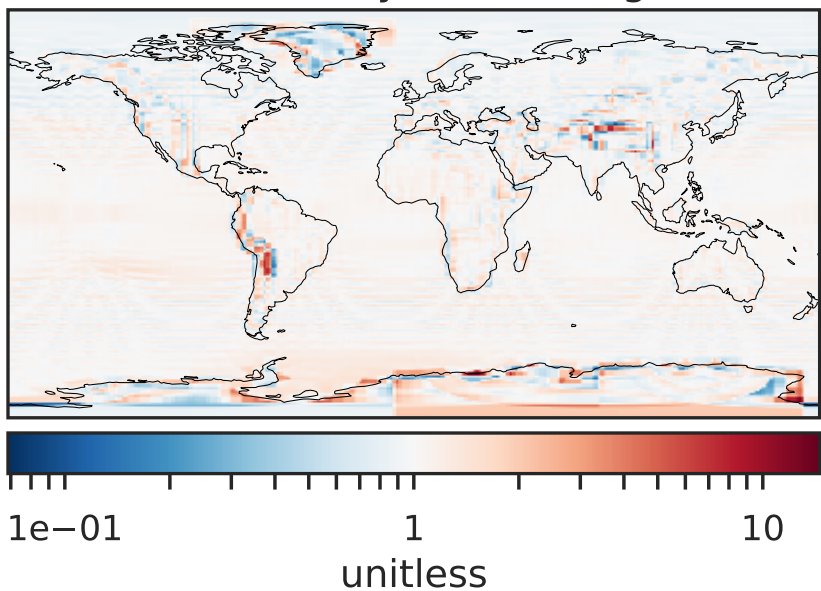
Difference (1x1.25)  
Dev - Ref, Dynamic Range



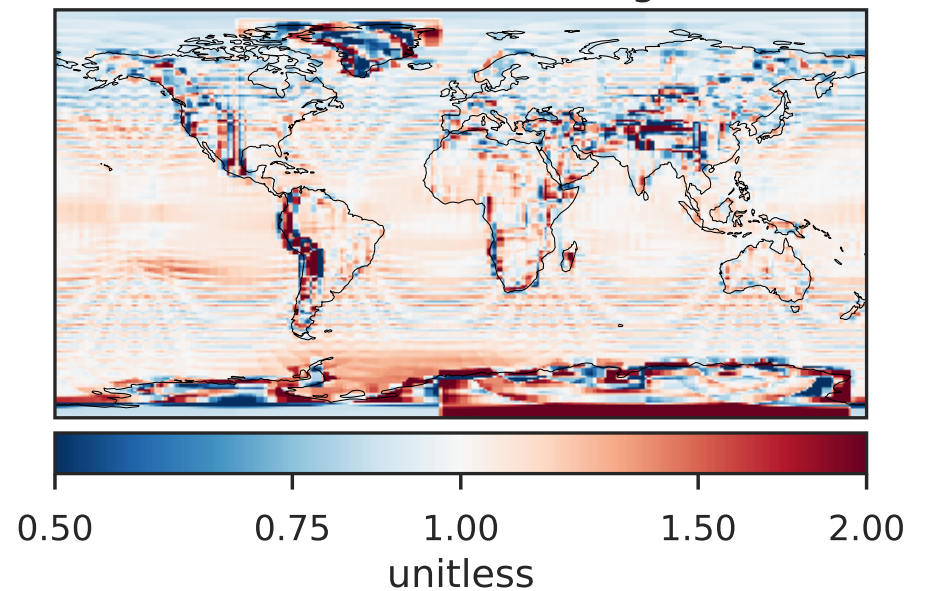
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)  
Dev/Ref, Dynamic Range

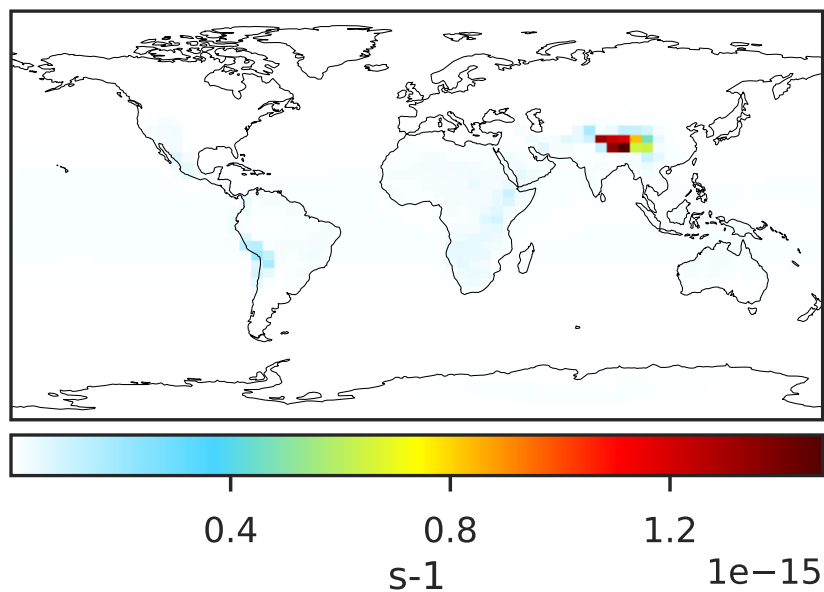


Ratio (1x1.25)  
Dev/Ref, Fixed Range

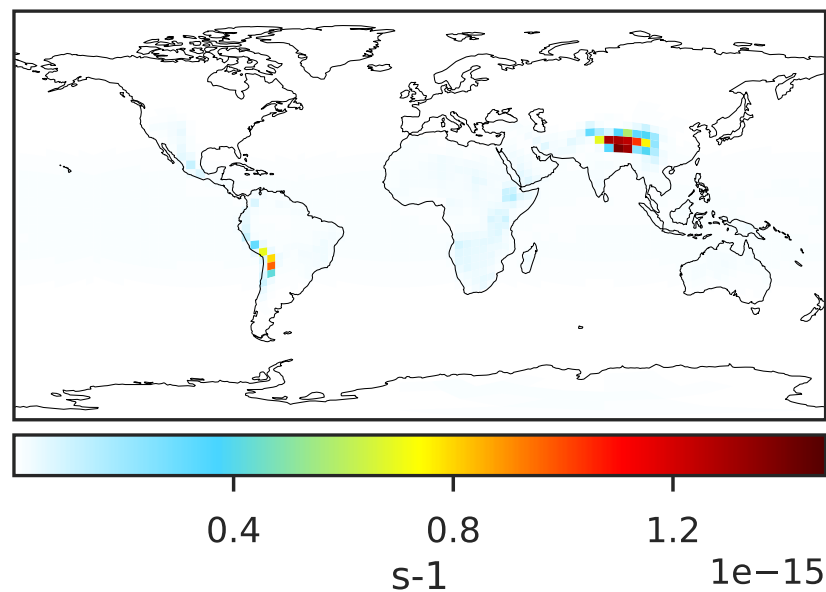


# Jval\_CFC113 (AnnualMean)

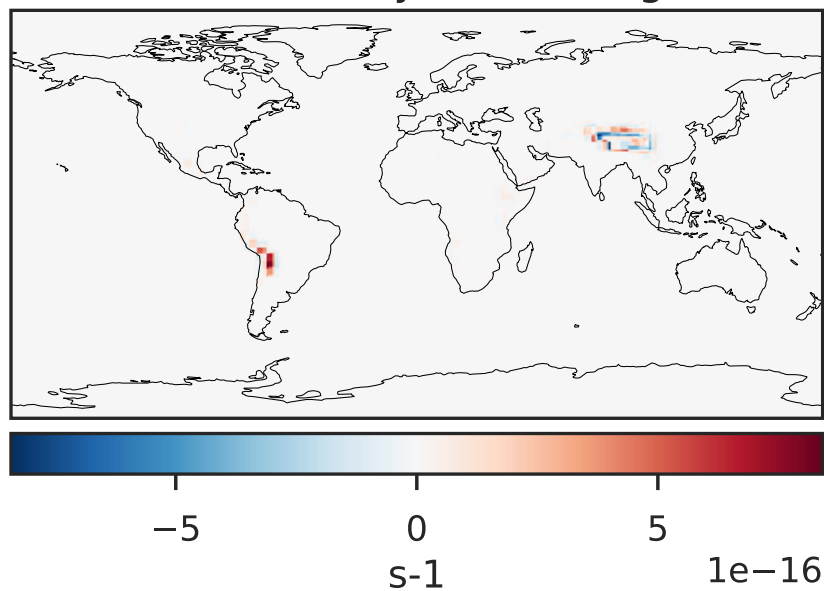
GCC\_14.2.0 (Ref)  
4.0x5.0



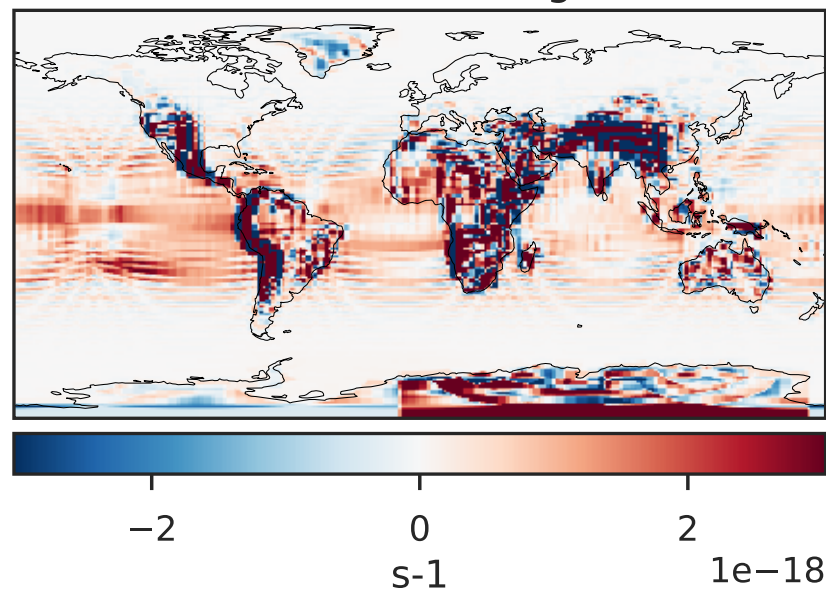
GCHP\_14.2.0 (Dev)  
c24



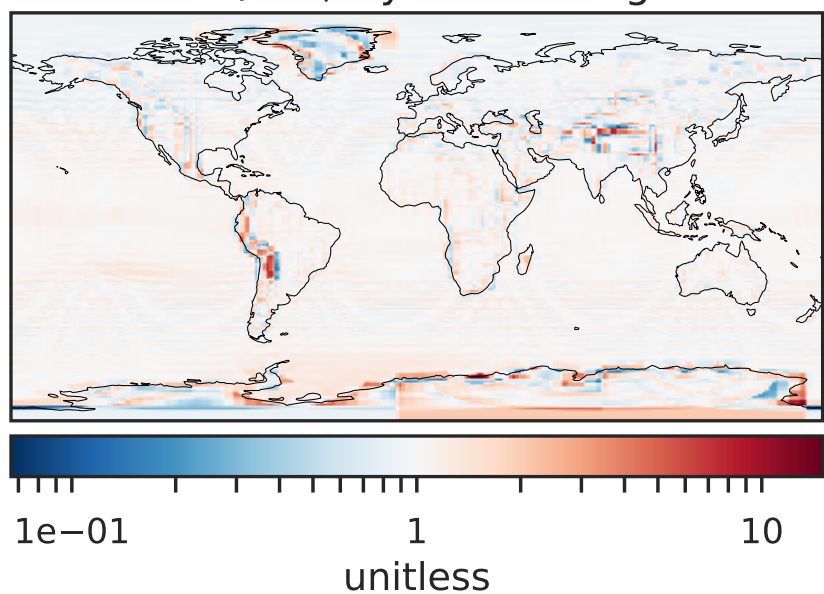
Difference (1x1.25)  
Dev - Ref, Dynamic Range



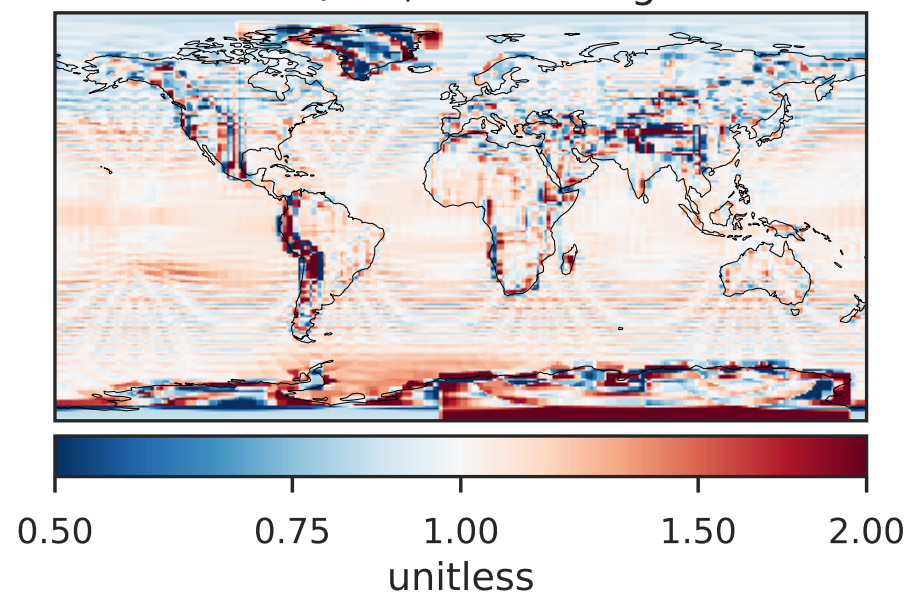
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)  
Dev/Ref, Dynamic Range



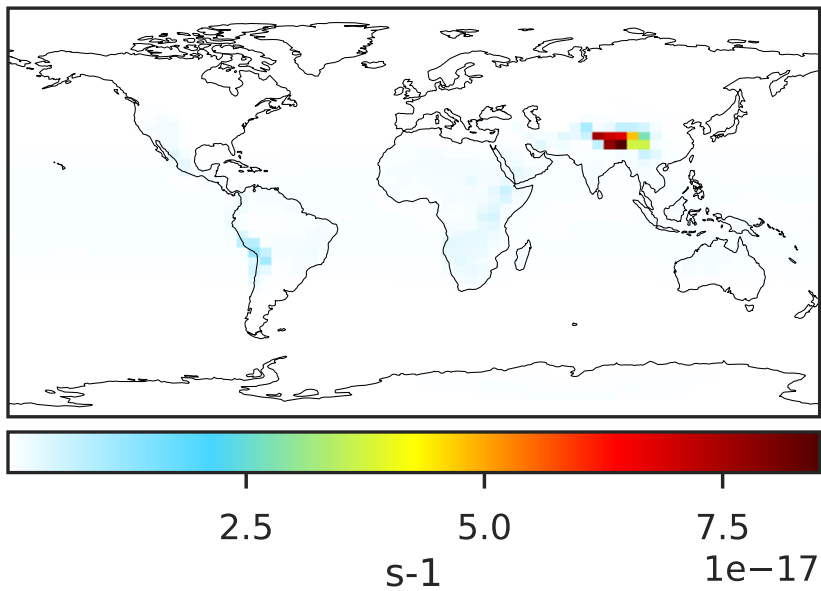
Ratio (1x1.25)  
Dev/Ref, Fixed Range



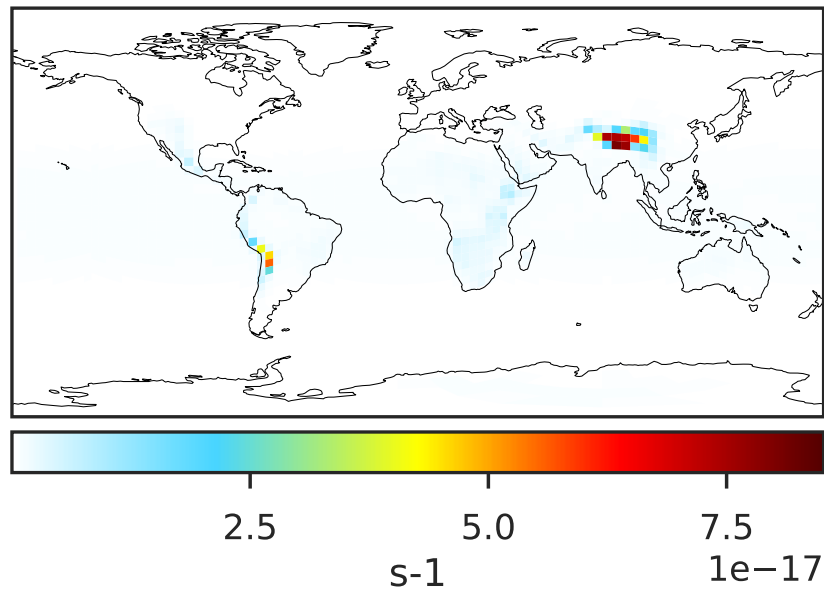


# Jval\_CFC114 (AnnualMean)

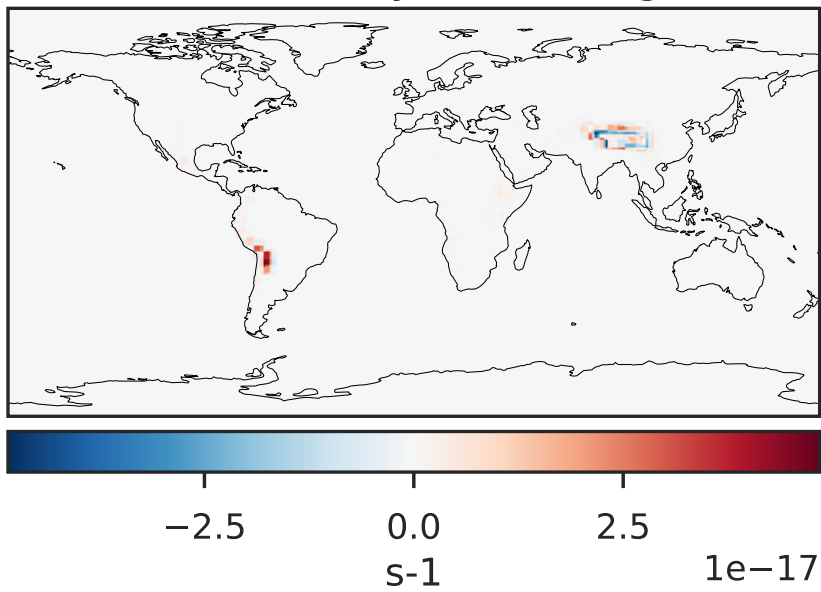
GCC\_14.2.0 (Ref)  
4.0x5.0



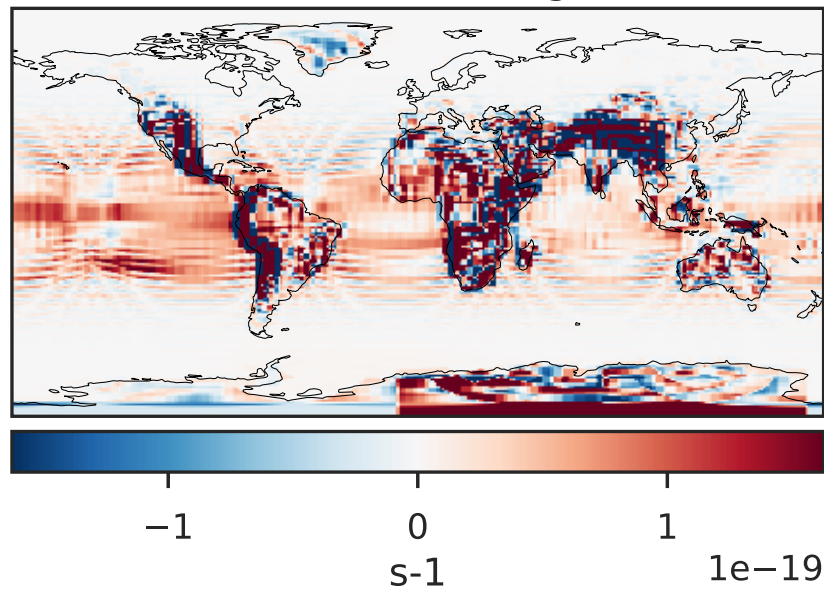
GCHP\_14.2.0 (Dev)  
c24



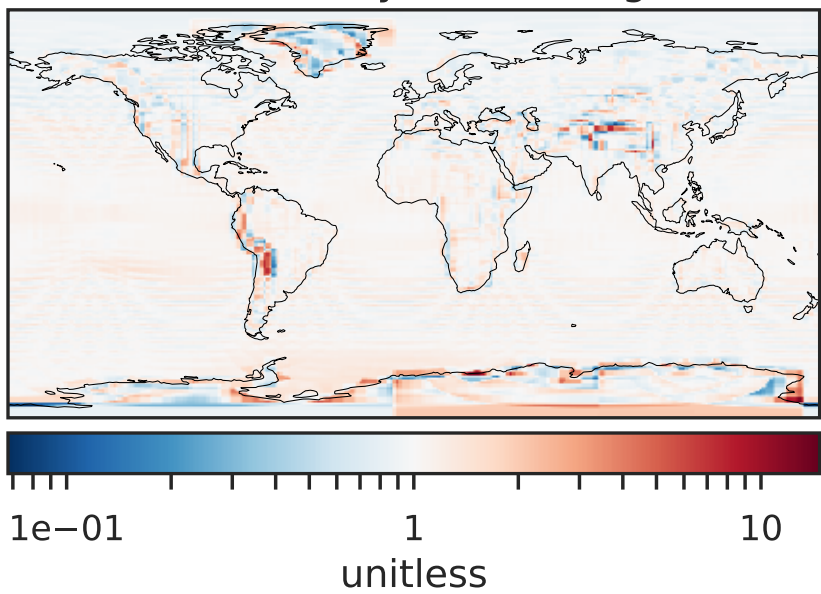
Difference (1x1.25)  
Dev - Ref, Dynamic Range



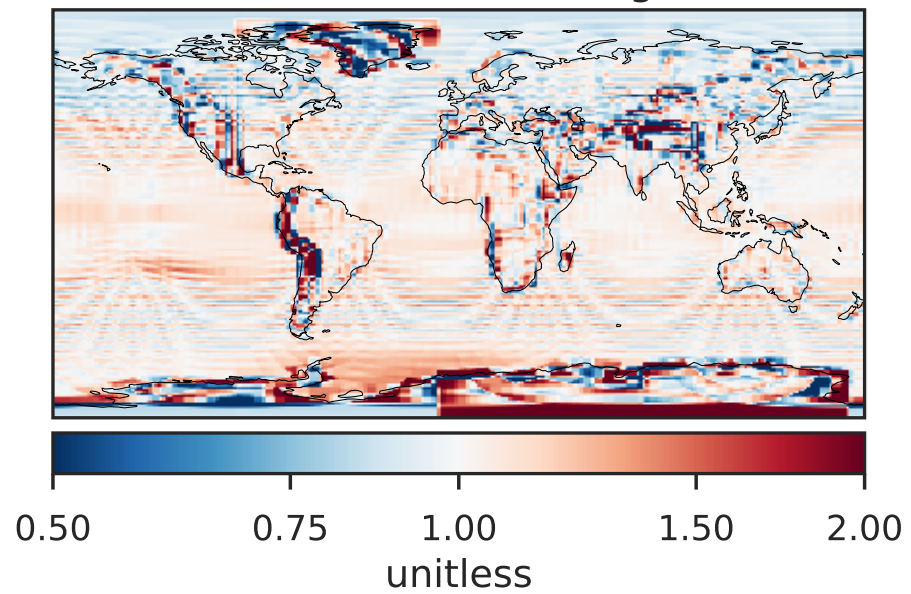
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)  
Dev/Ref, Dynamic Range

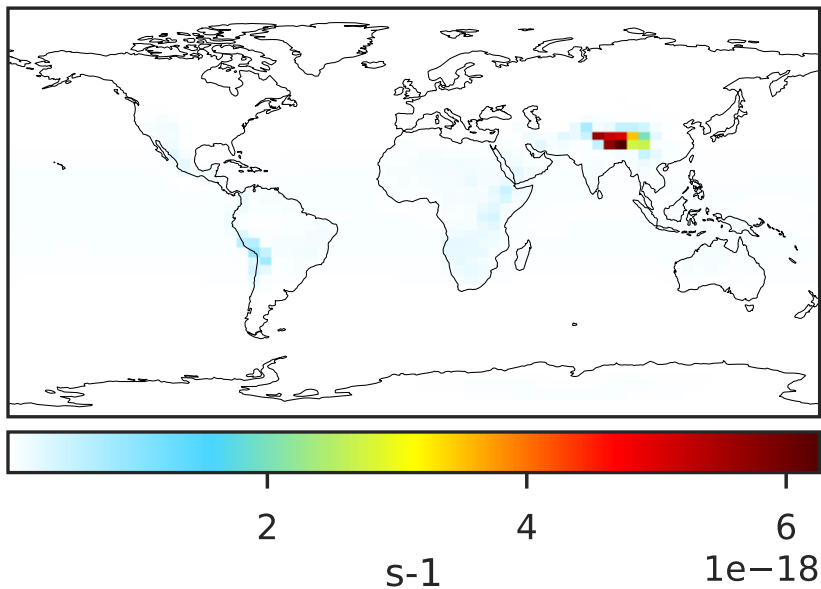


Ratio (1x1.25)  
Dev/Ref, Fixed Range

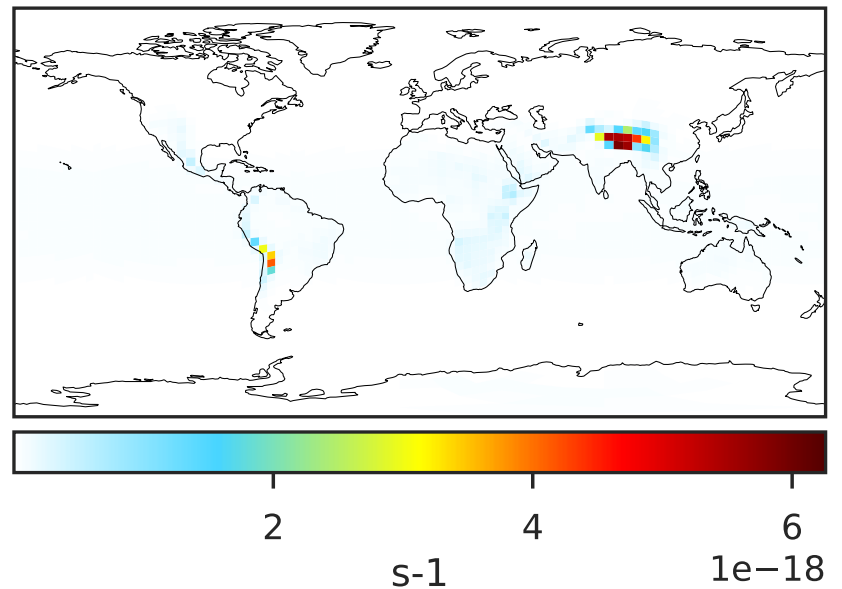


# Jval\_CFC115 (AnnualMean)

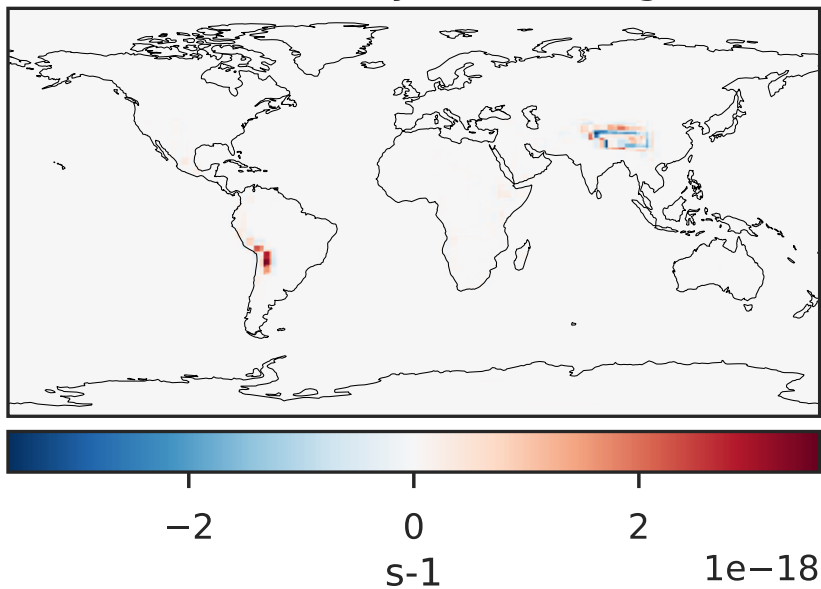
GCC\_14.2.0 (Ref)  
4.0x5.0



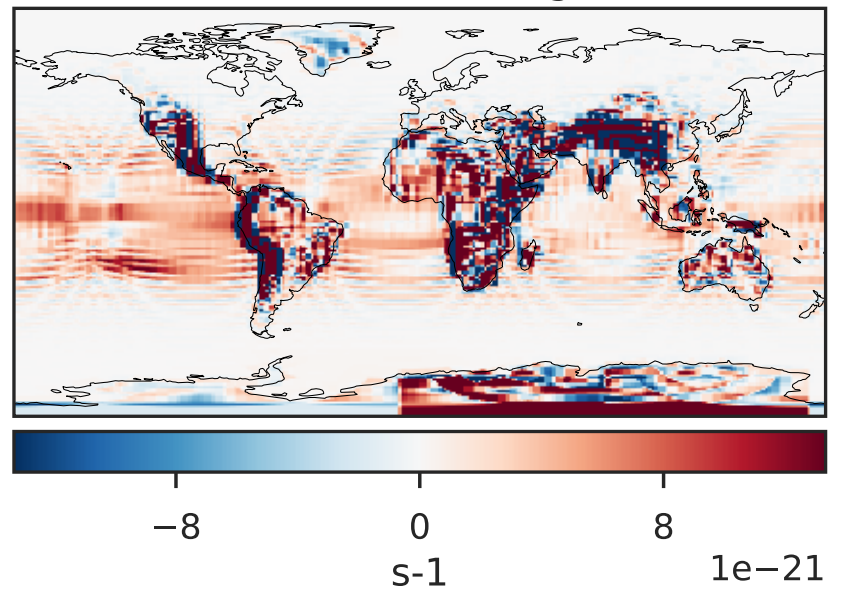
GCHP\_14.2.0 (Dev)  
c24



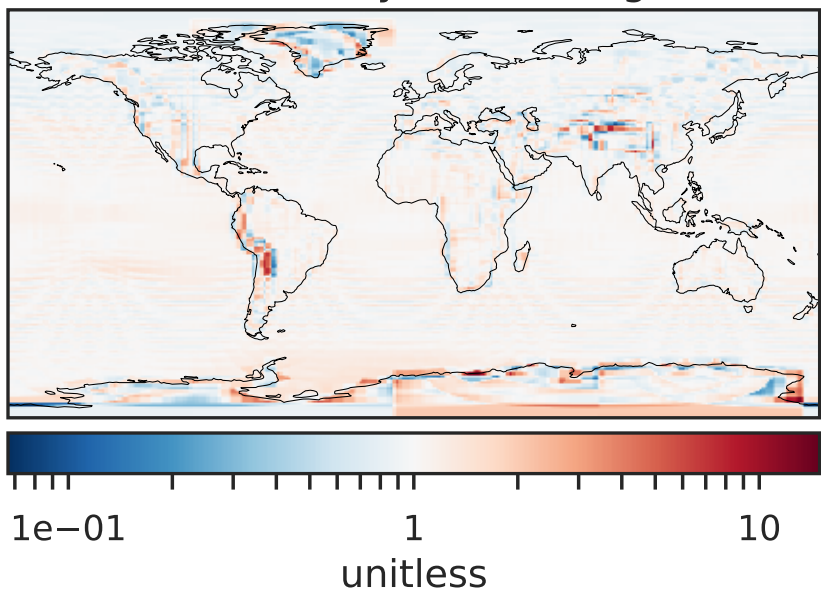
Difference (1x1.25)  
Dev - Ref, Dynamic Range



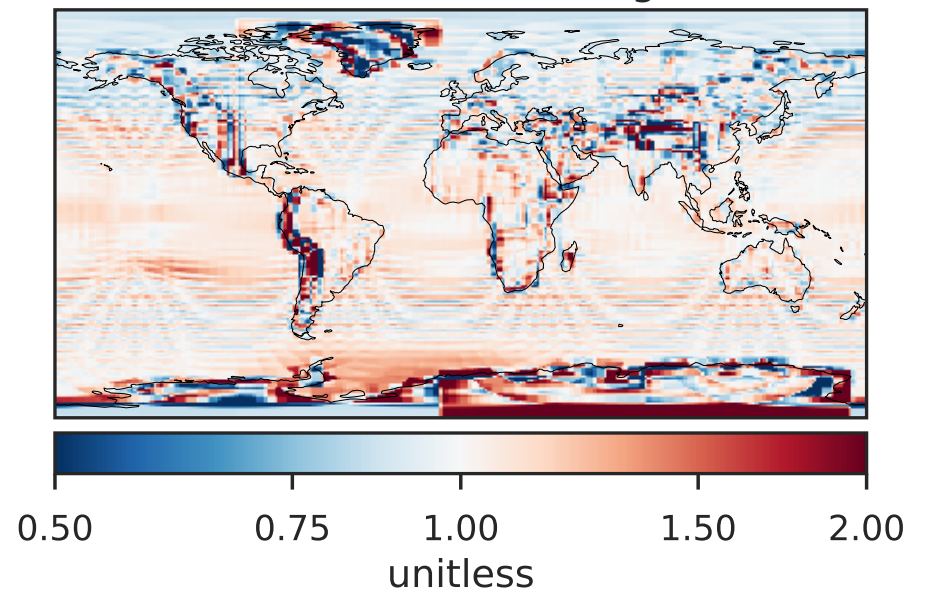
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)  
Dev/Ref, Dynamic Range

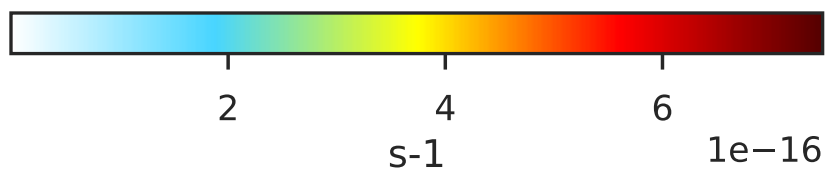
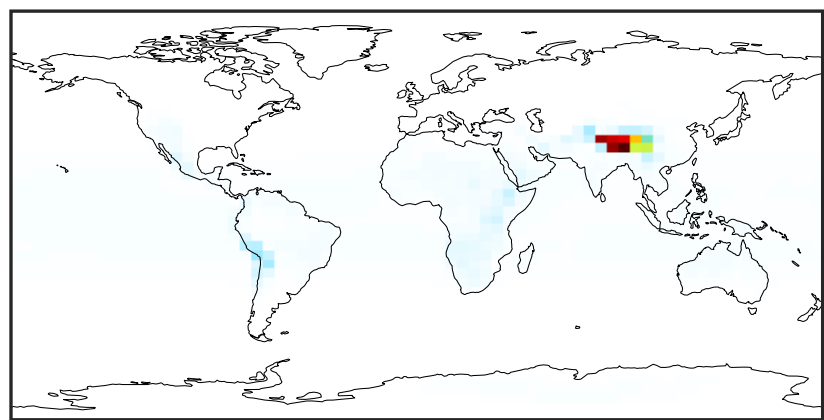


Ratio (1x1.25)  
Dev/Ref, Fixed Range

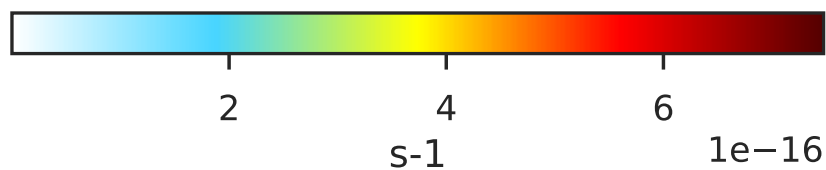
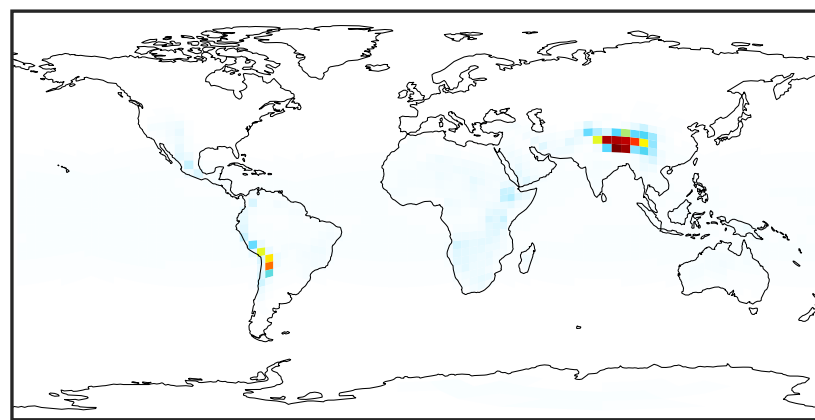


# Jval\_CFC12 (AnnualMean)

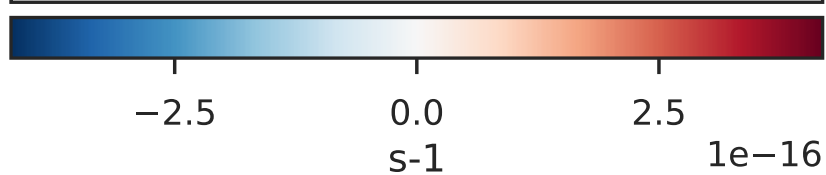
GCC\_14.2.0 (Ref)  
4.0x5.0



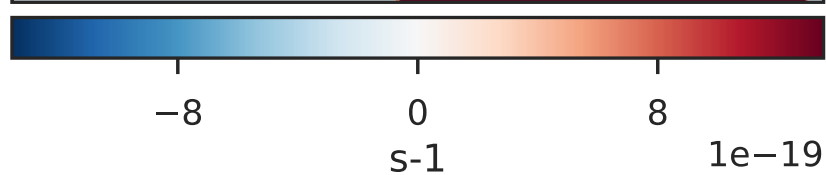
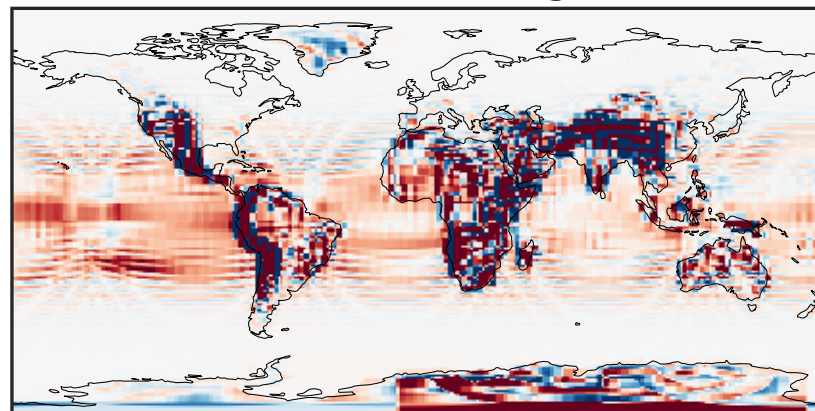
GCHP\_14.2.0 (Dev)  
c24



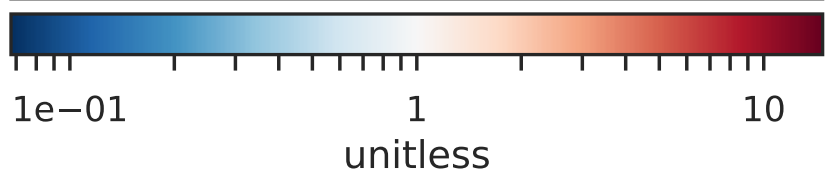
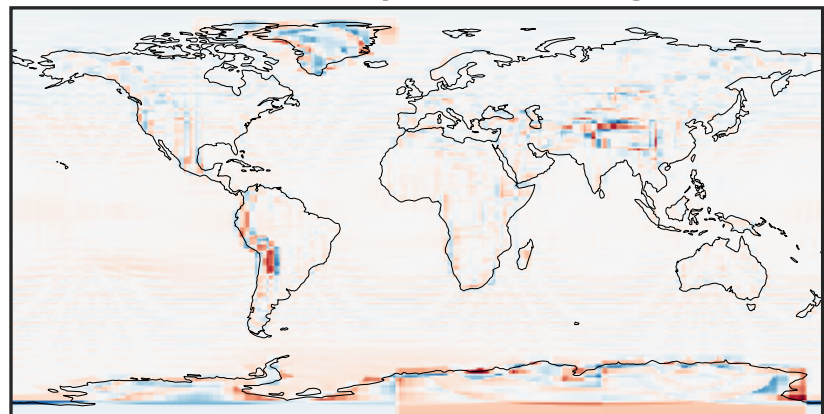
Difference (1x1.25)  
Dev - Ref, Dynamic Range



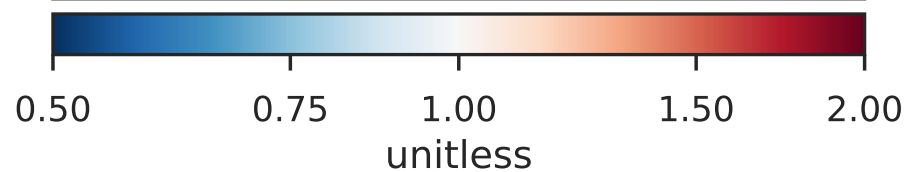
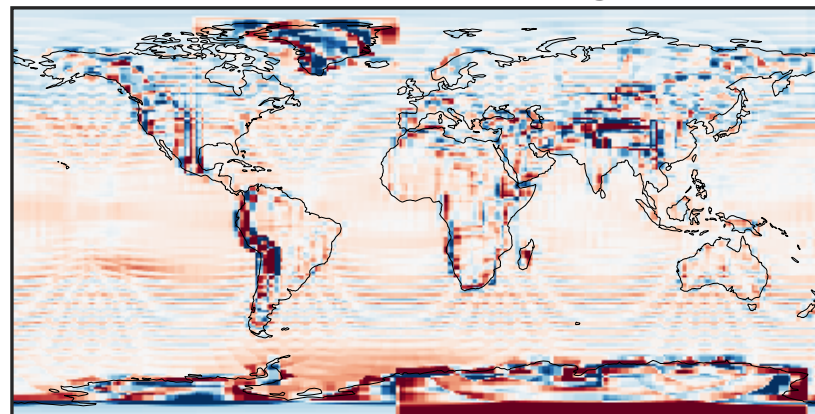
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)  
Dev/Ref, Dynamic Range

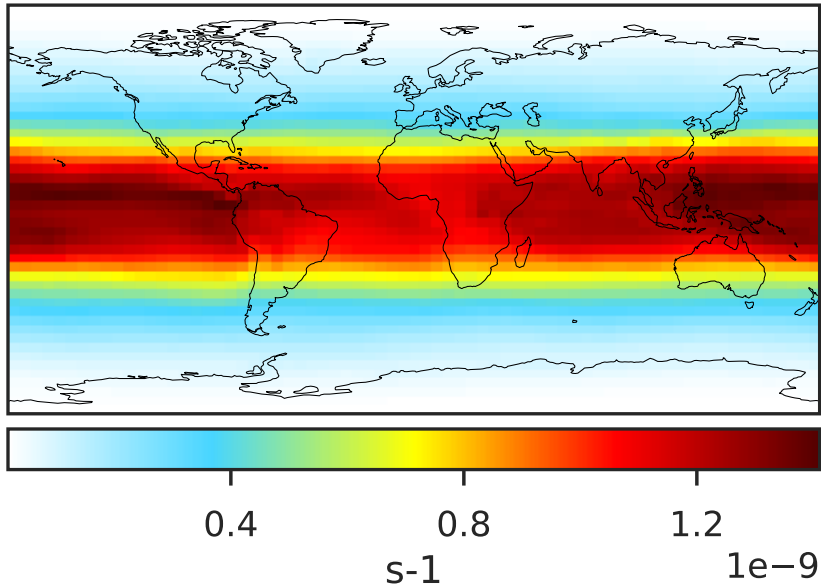


Ratio (1x1.25)  
Dev/Ref, Fixed Range

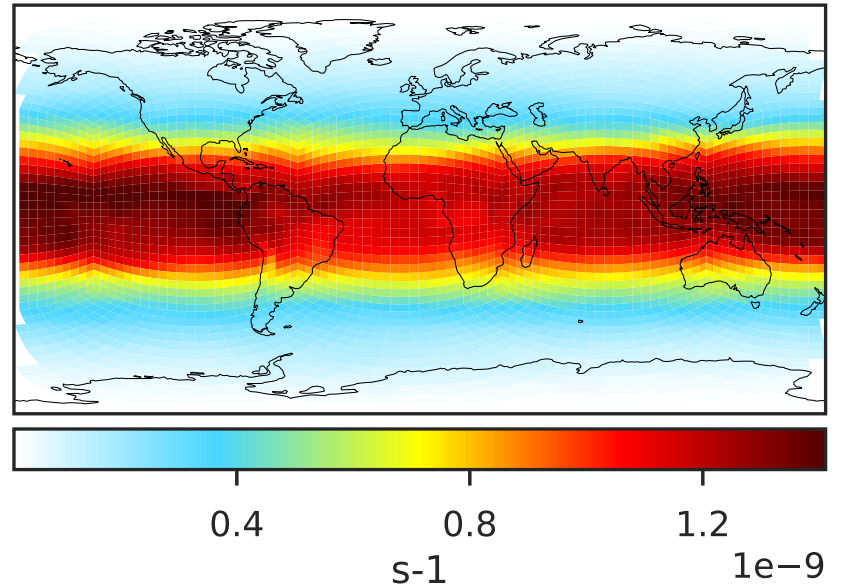


# Jval\_CH2Br2 (AnnualMean)

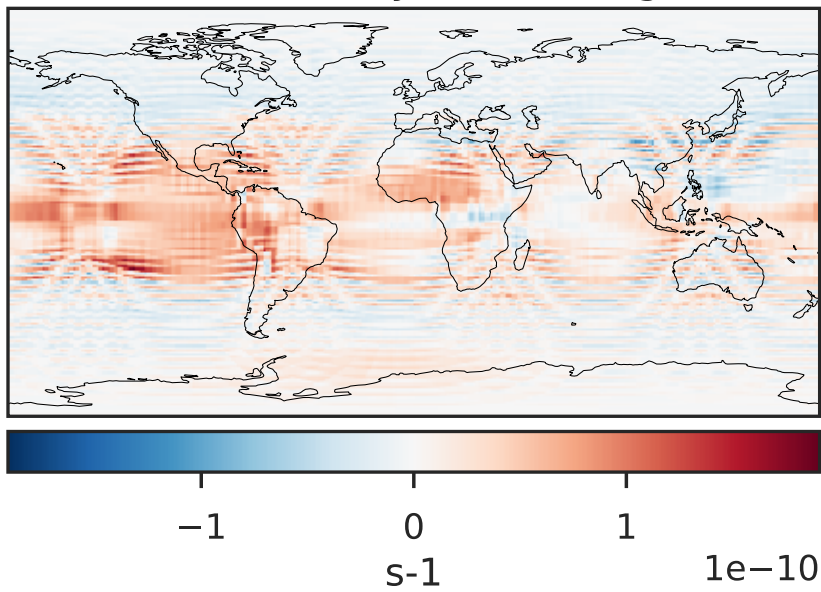
GCC\_14.2.0 (Ref)  
4.0x5.0



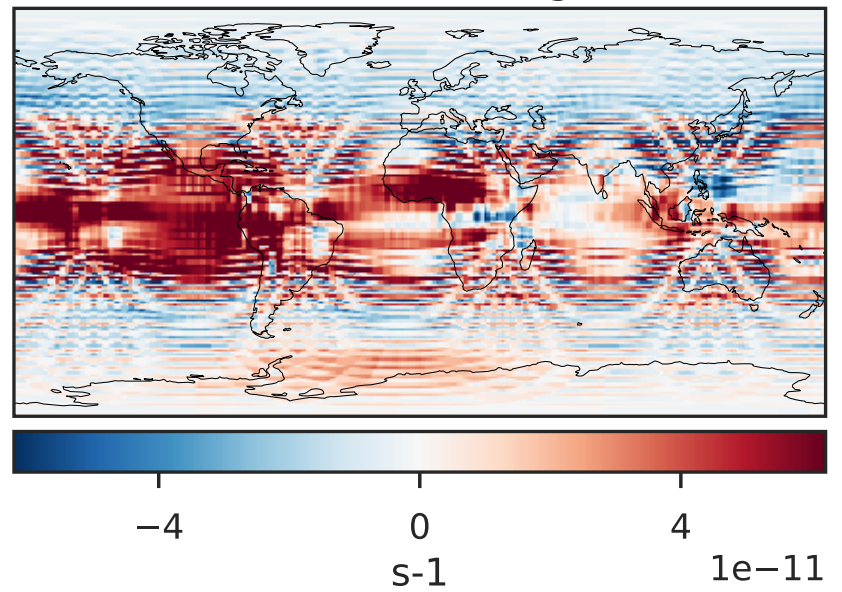
GCHP\_14.2.0 (Dev)  
c24



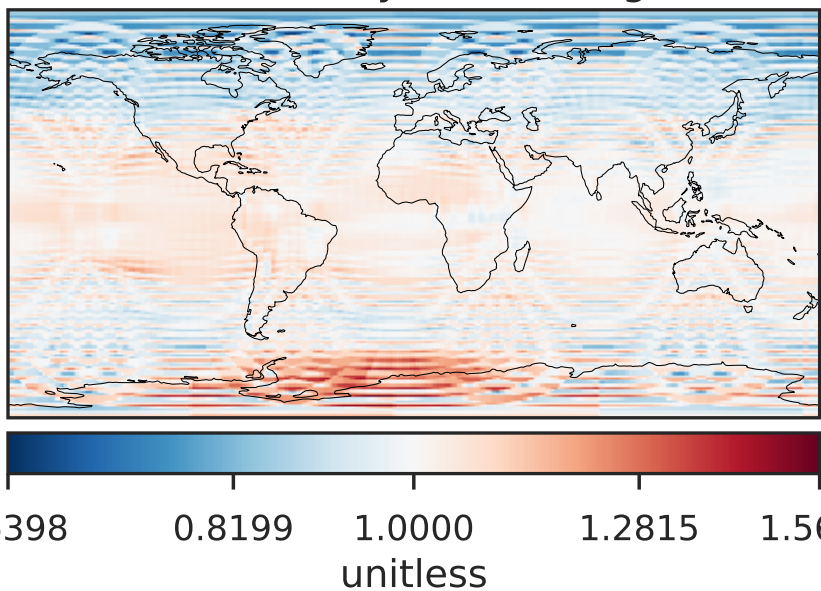
Difference (1x1.25)  
Dev - Ref, Dynamic Range



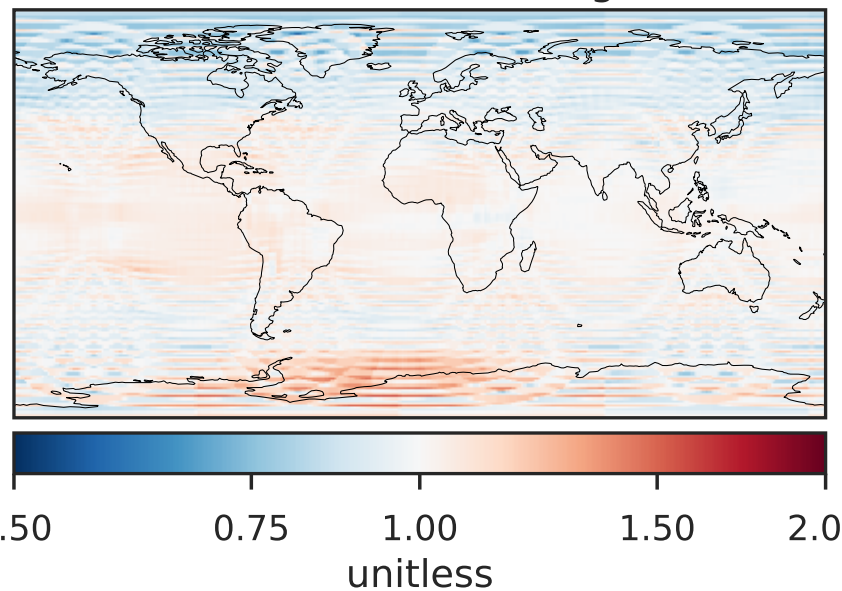
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)  
Dev/Ref, Dynamic Range

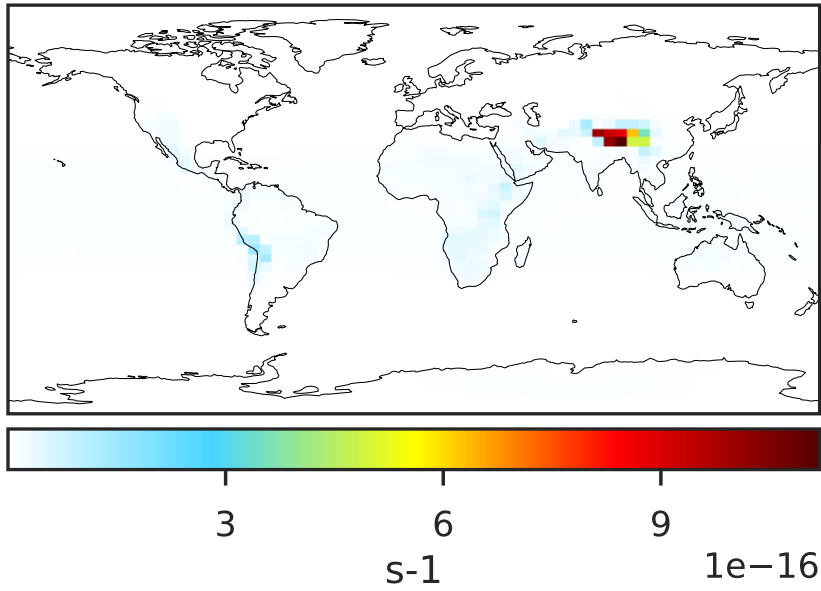


Ratio (1x1.25)  
Dev/Ref, Fixed Range

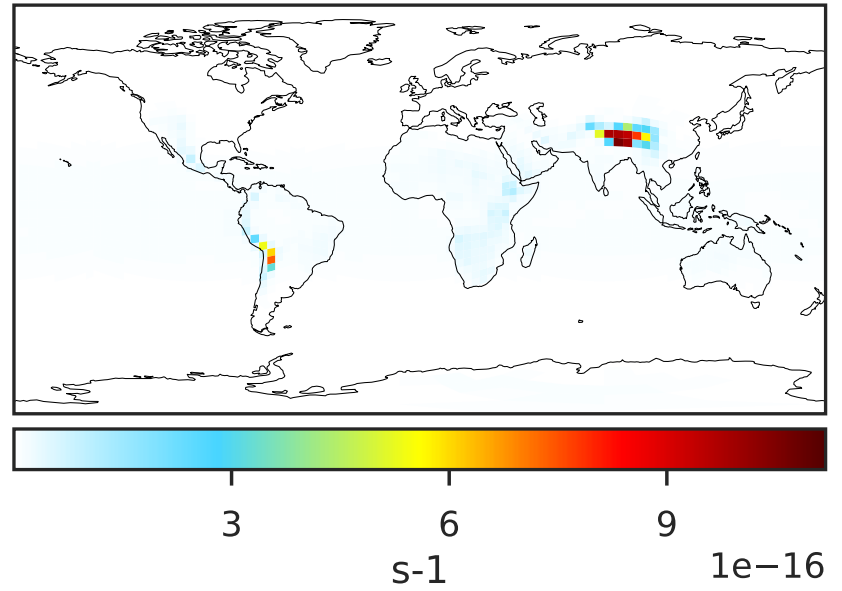


# Jval\_CH2Cl2 (AnnualMean)

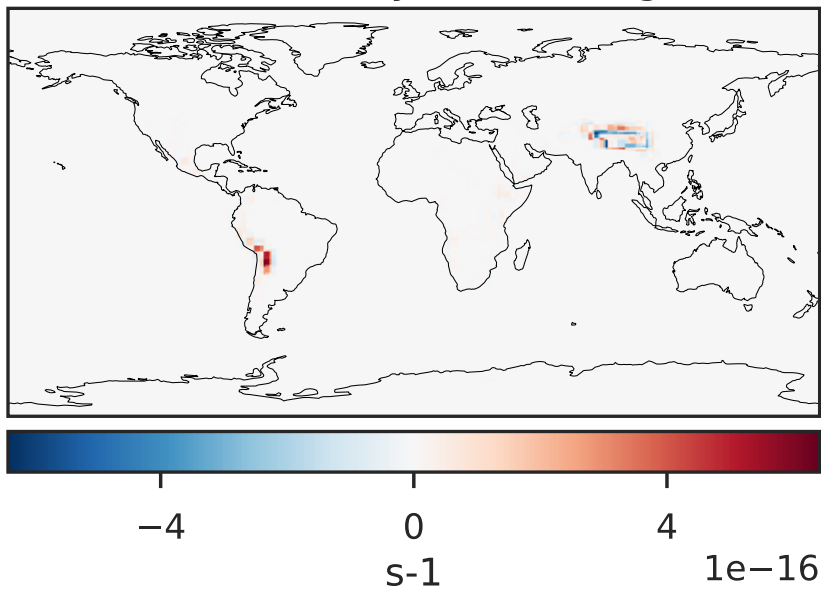
GCC\_14.2.0 (Ref)  
4.0x5.0



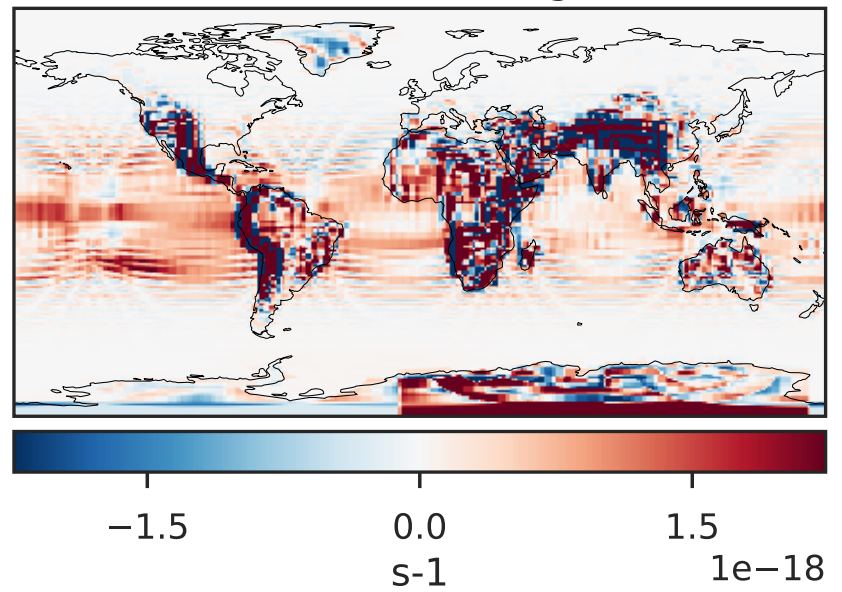
GCHP\_14.2.0 (Dev)  
c24



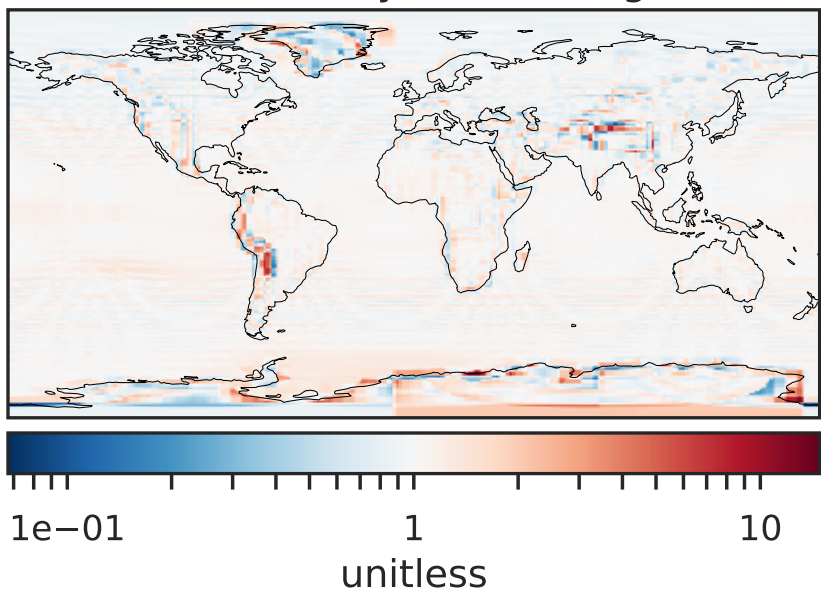
Difference (1x1.25)  
Dev - Ref, Dynamic Range



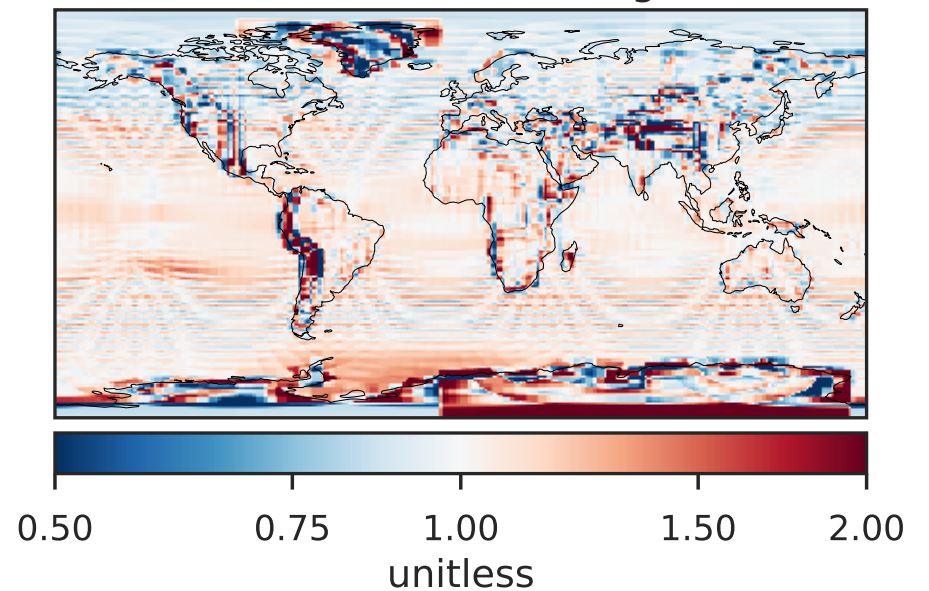
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)  
Dev/Ref, Dynamic Range

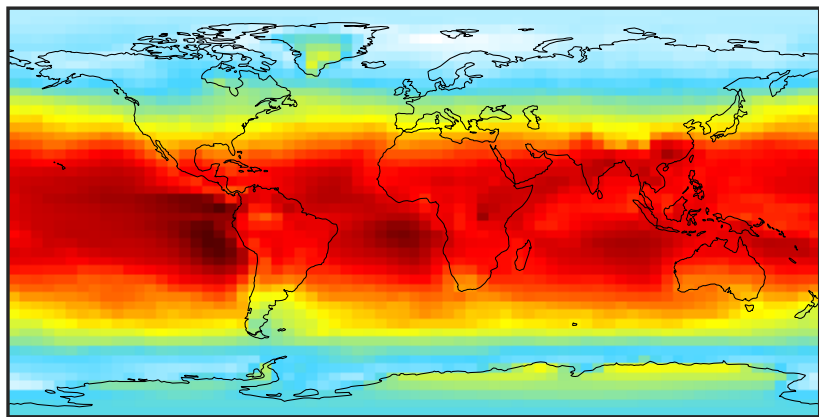


Ratio (1x1.25)  
Dev/Ref, Fixed Range



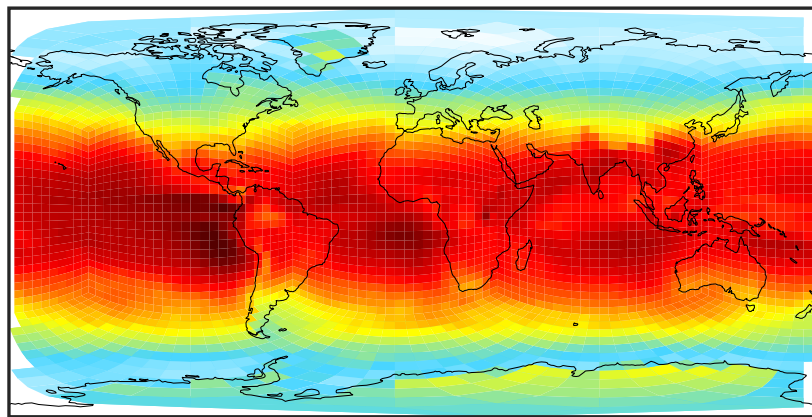
# Jval\_CH2I2 (AnnualMean)

GCC\_14.2.0 (Ref)  
4.0x5.0



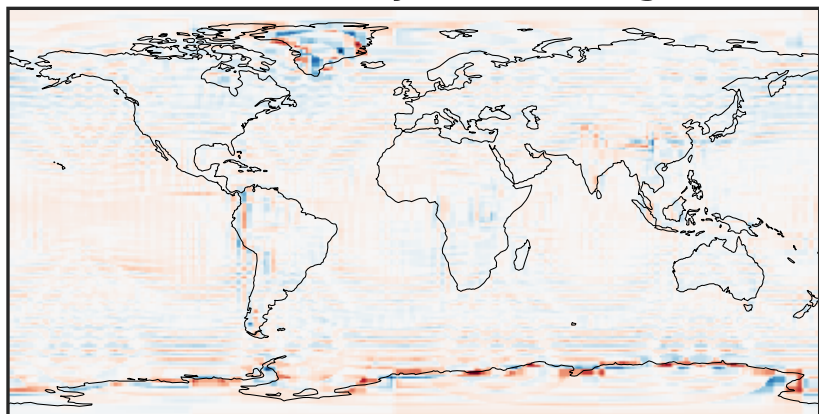
0.003      0.004      0.005  
s-1

GCHP\_14.2.0 (Dev)  
c24



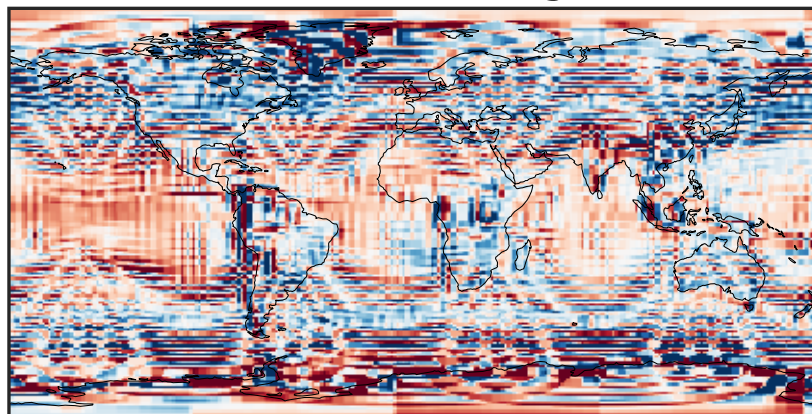
0.003      0.004      0.005  
s-1

Difference (1x1.25)  
Dev - Ref, Dynamic Range



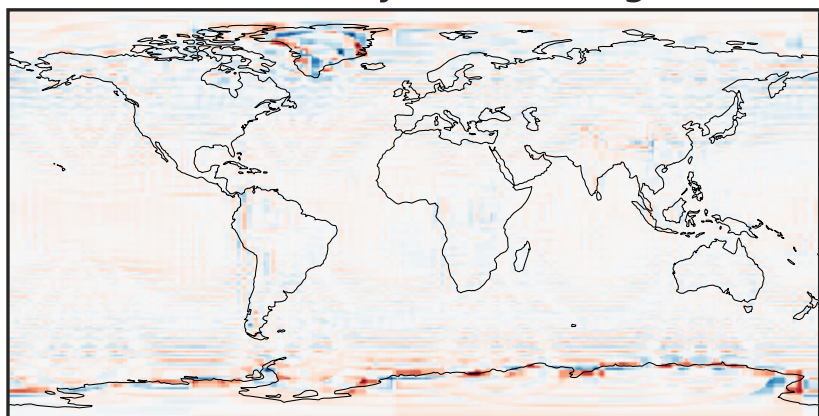
-0.0004      0.0000      0.0004  
s-1

Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



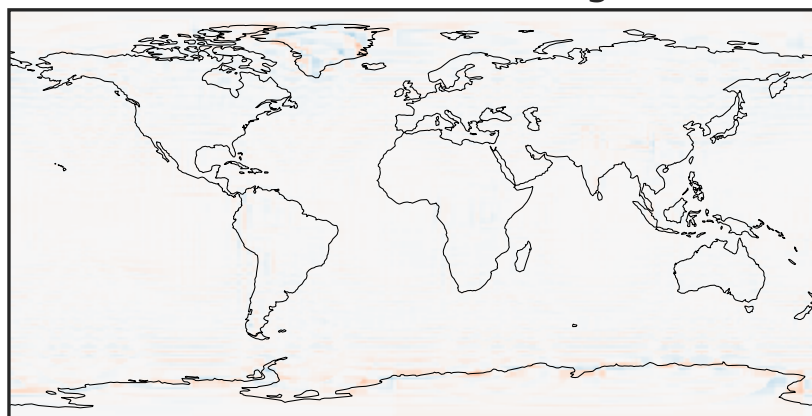
-5      0      5  
s-1      1e-5

Ratio (1x1.25)  
Dev/Ref, Dynamic Range



0.8171      0.9086      1.0000      1.1119      1.2238  
unitless

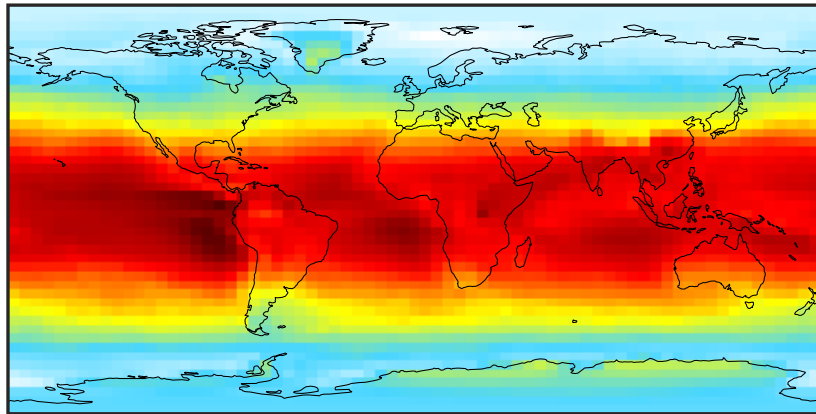
Ratio (1x1.25)  
Dev/Ref, Fixed Range



0.50      0.75      1.00      1.50      2.00  
unitless

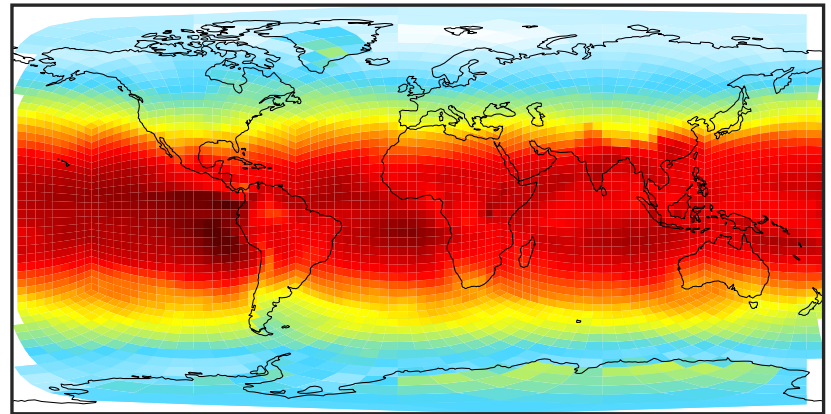
# Jval\_CH2IBr (AnnualMean)

GCC\_14.2.0 (Ref)  
4.0x5.0



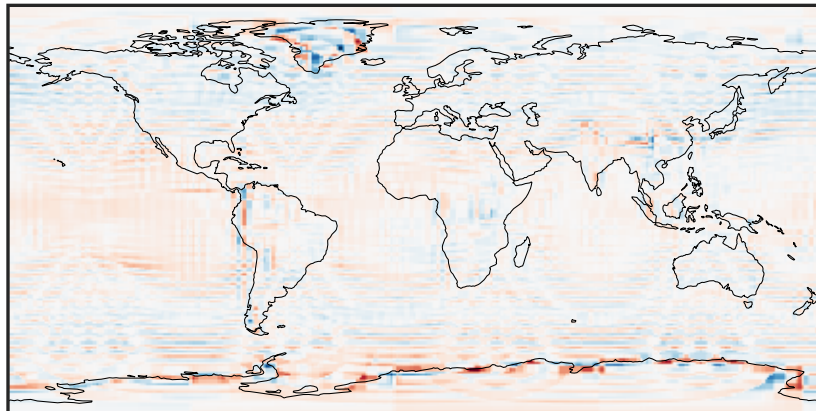
0.00012 0.00018 0.00024 0.00030  
s-1

GCHP\_14.2.0 (Dev)  
c24



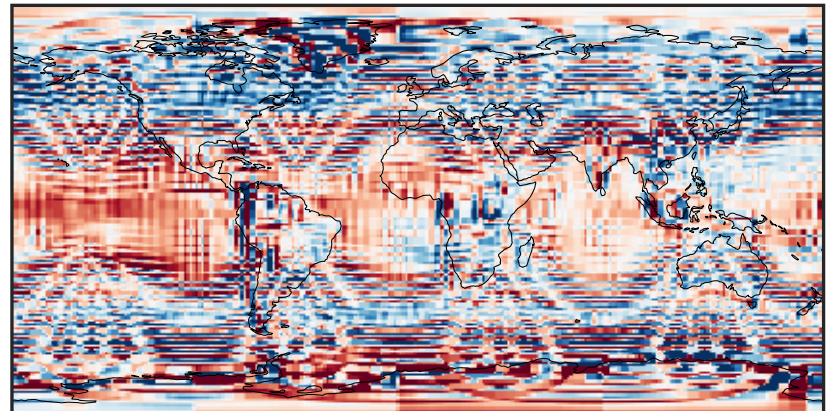
0.00012 0.00018 0.00024 0.00030  
s-1

Difference (1x1.25)  
Dev - Ref, Dynamic Range



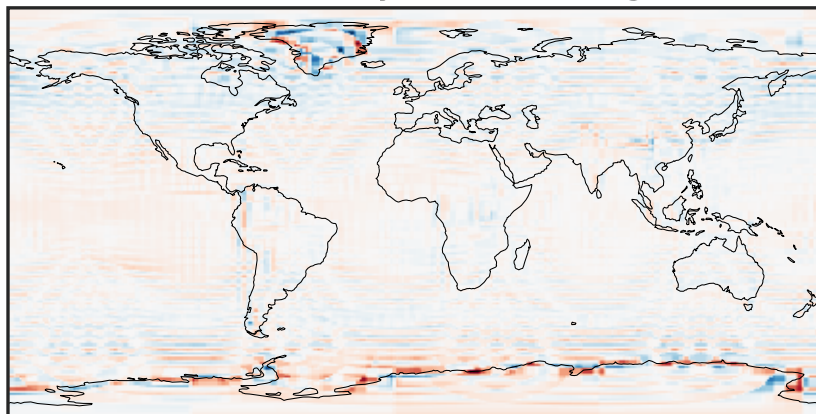
-2 0 2  
s-1 1e-5

Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



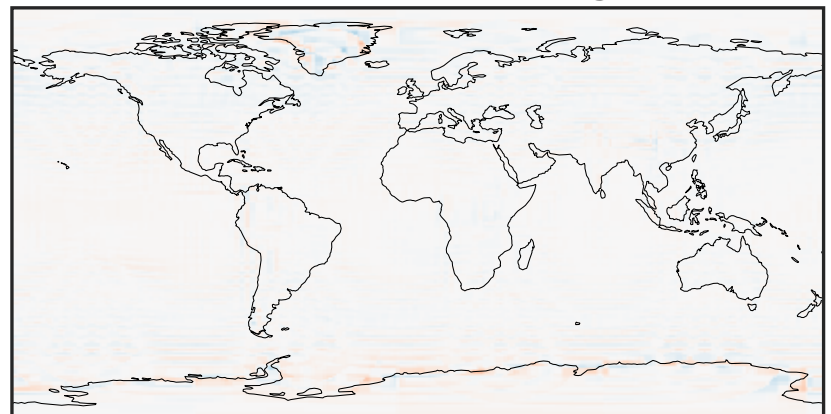
-3 0 3  
s-1 1e-6

Ratio (1x1.25)  
Dev/Ref, Dynamic Range



0.8163 0.9082 1.000 1.1125 1.2250  
unitless

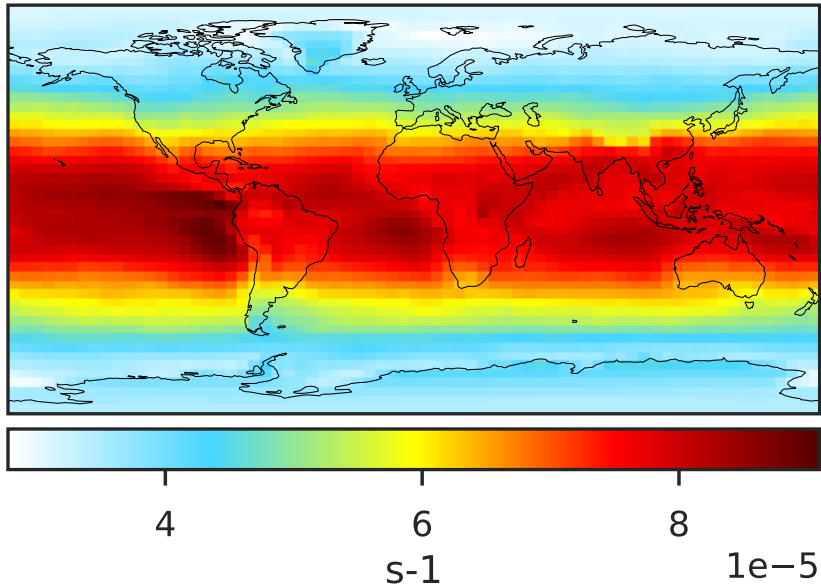
Ratio (1x1.25)  
Dev/Ref, Fixed Range



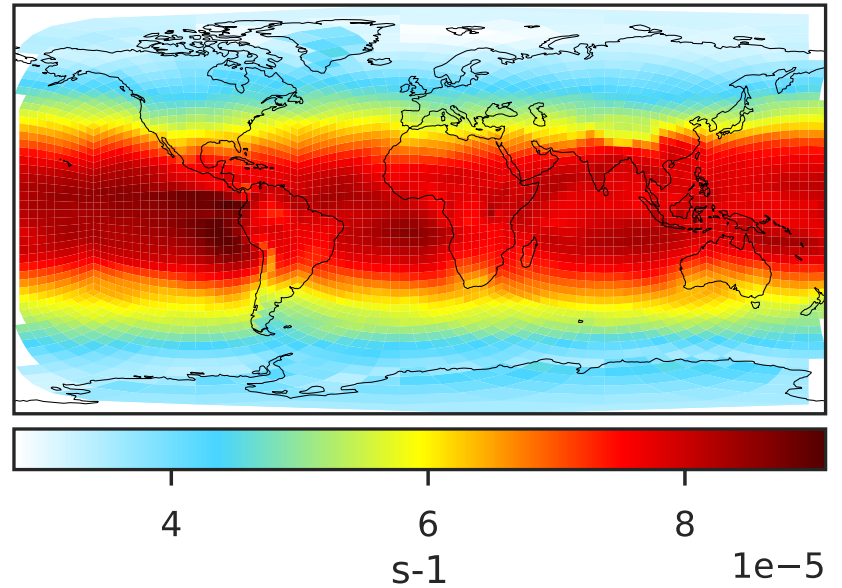
0.50 0.75 1.00 1.50 2.00  
unitless

# Jval\_CH2ICl (AnnualMean)

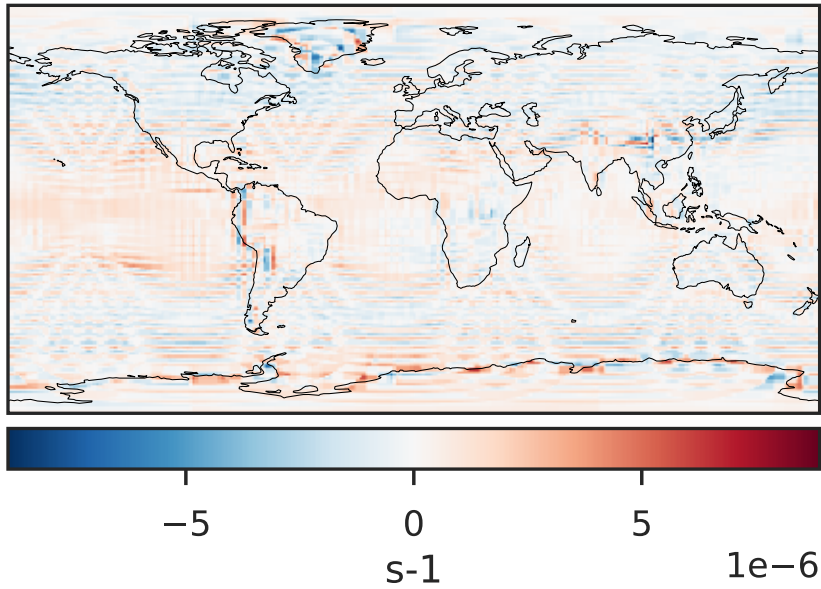
GCC\_14.2.0 (Ref)  
4.0x5.0



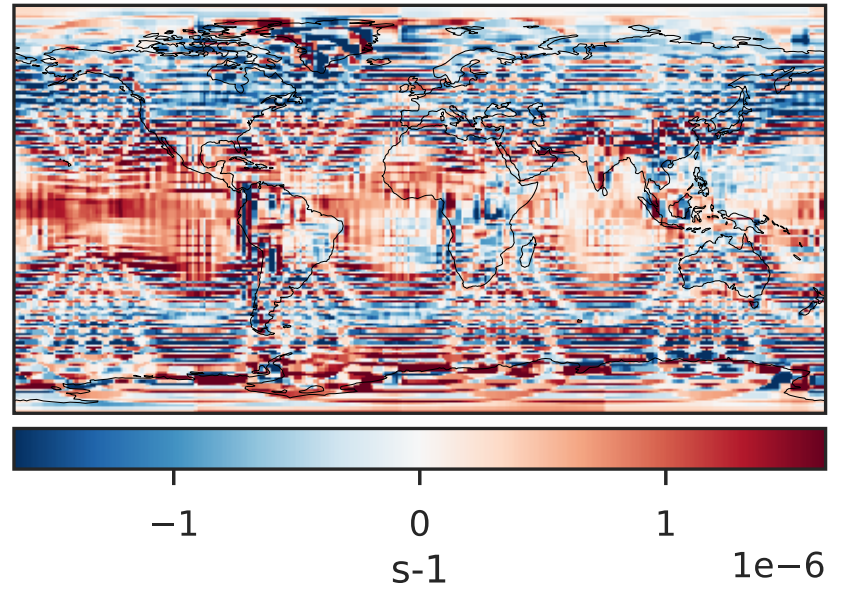
GCHP\_14.2.0 (Dev)  
c24



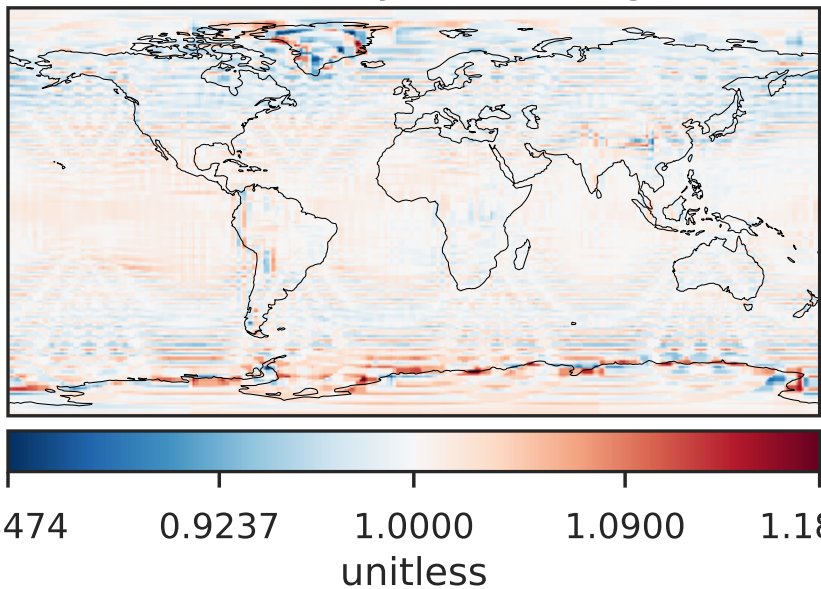
Difference (1x1.25)  
Dev - Ref, Dynamic Range



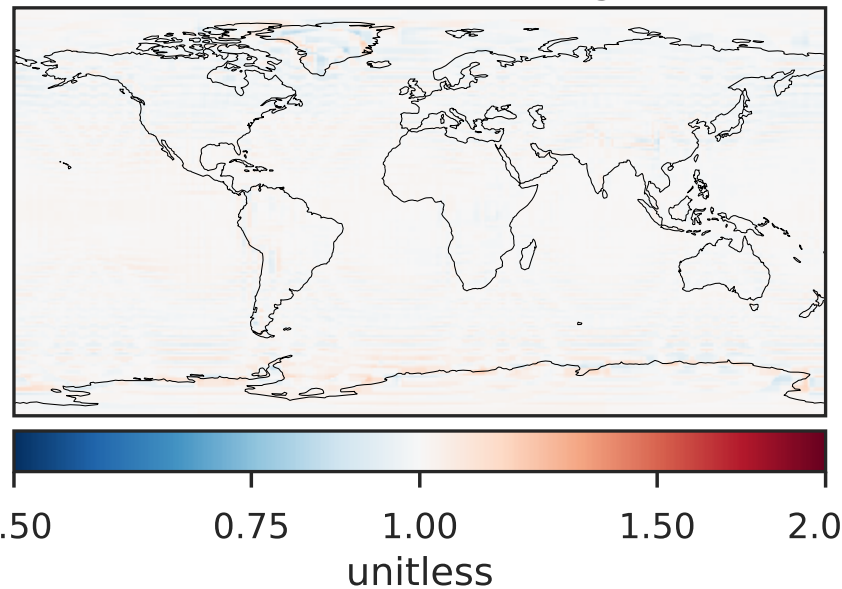
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)  
Dev/Ref, Dynamic Range



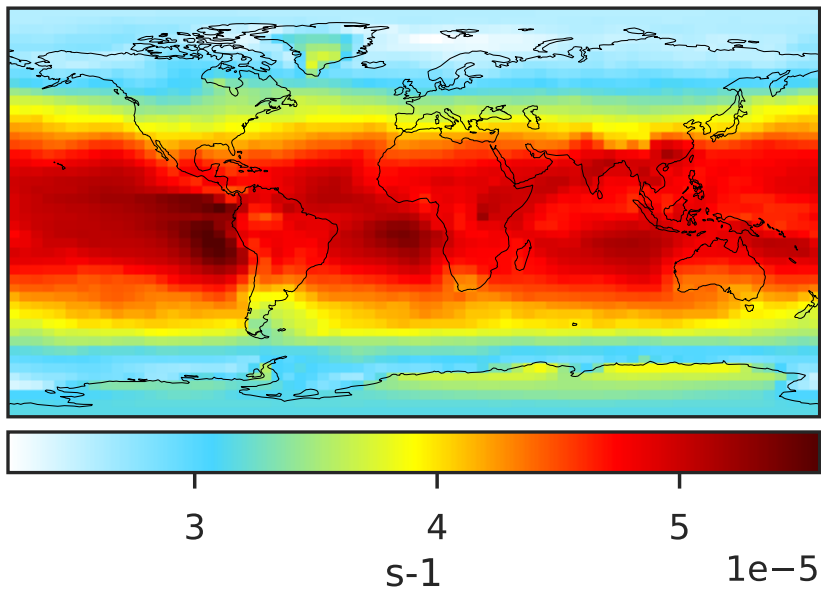
Ratio (1x1.25)  
Dev/Ref, Fixed Range



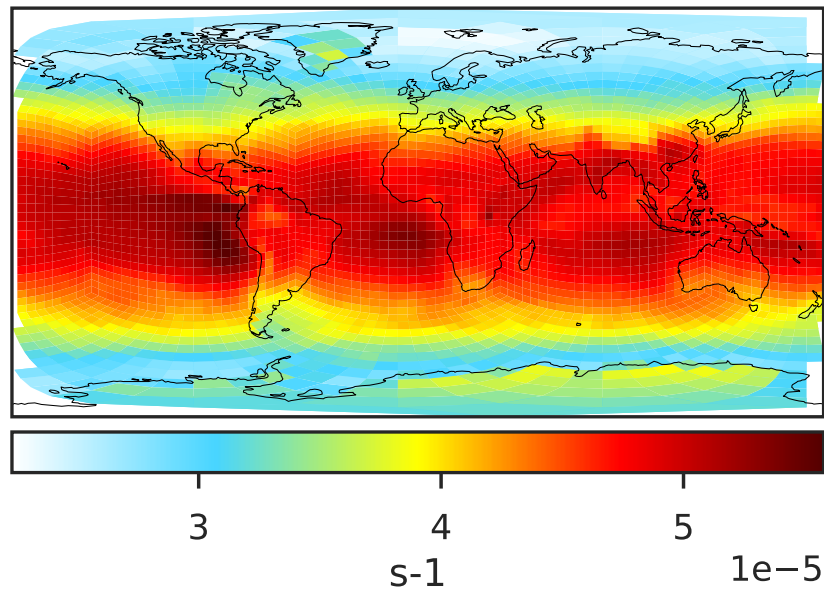


# Jval\_CH20 (AnnualMean)

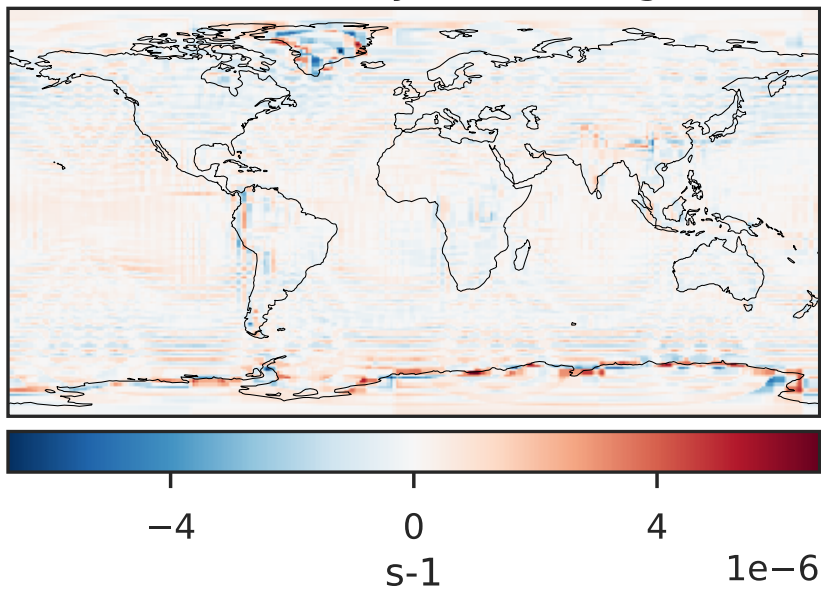
GCC\_14.2.0 (Ref)  
4.0x5.0



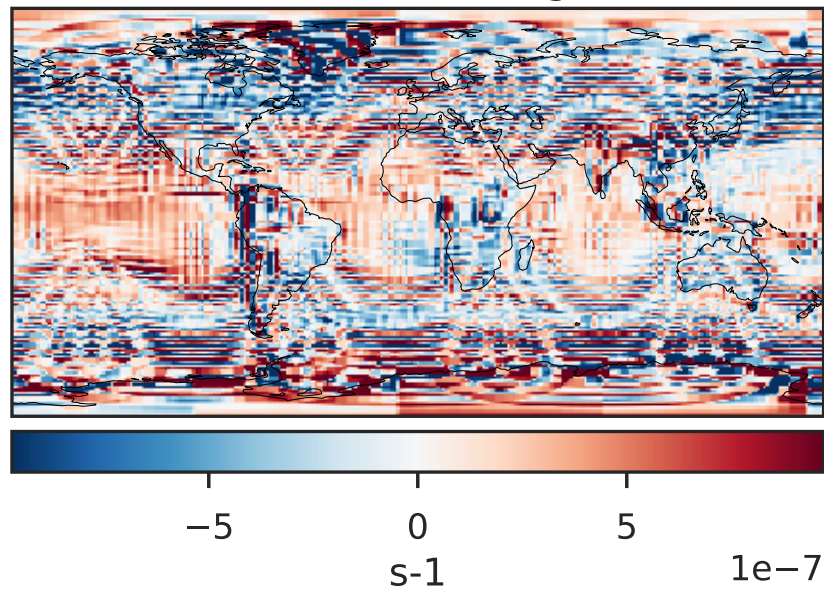
GCHP\_14.2.0 (Dev)  
c24



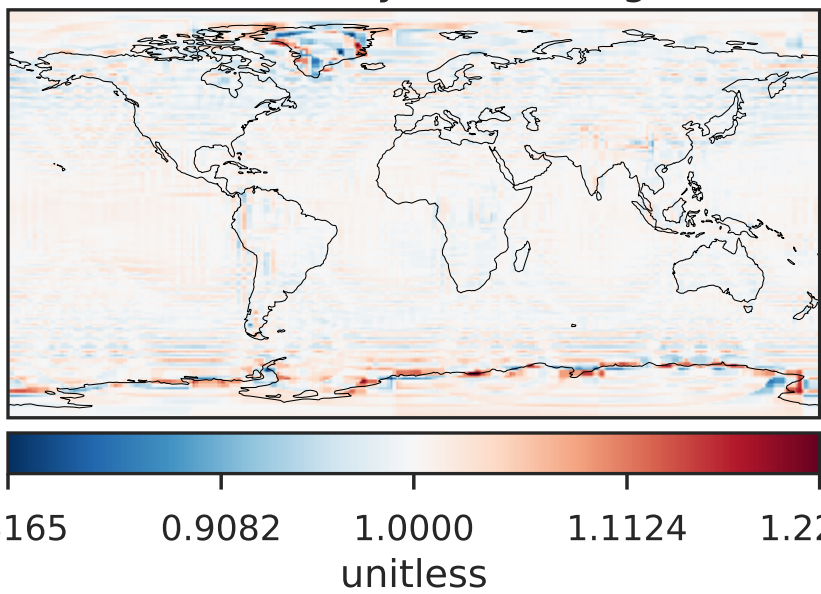
Difference (1x1.25)  
Dev - Ref, Dynamic Range



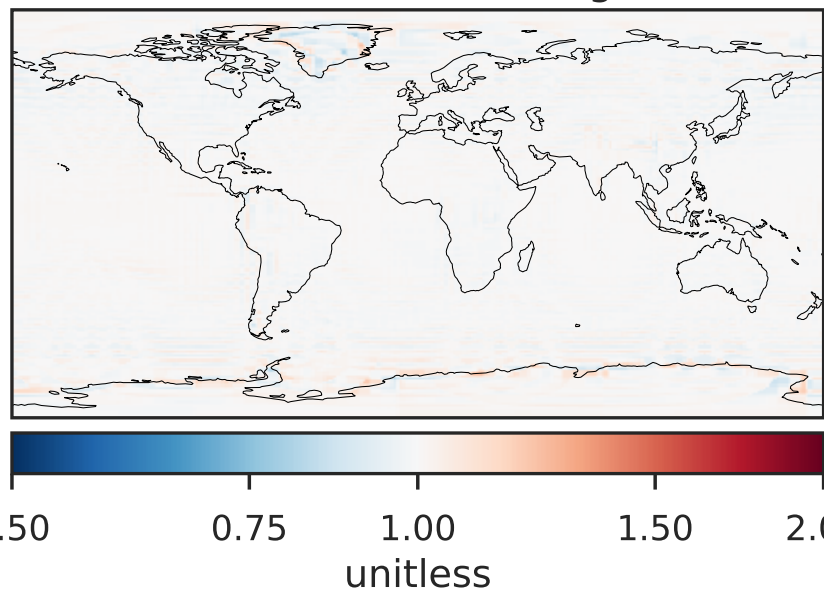
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)  
Dev/Ref, Dynamic Range

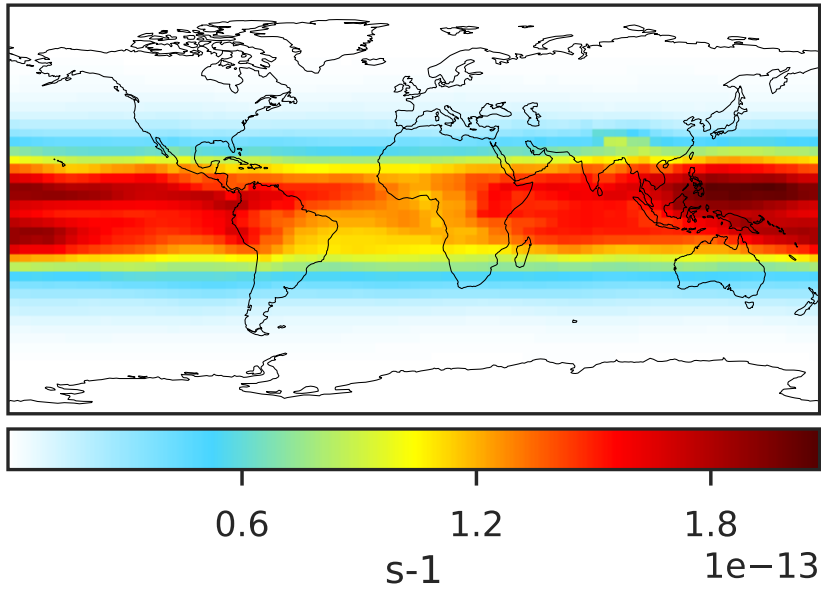


Ratio (1x1.25)  
Dev/Ref, Fixed Range

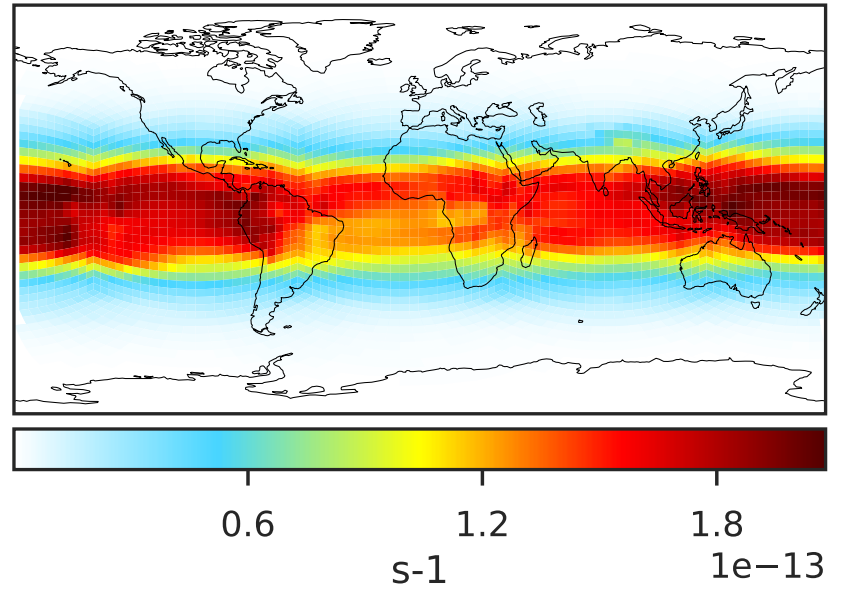


# Jval\_CH3Br (AnnualMean)

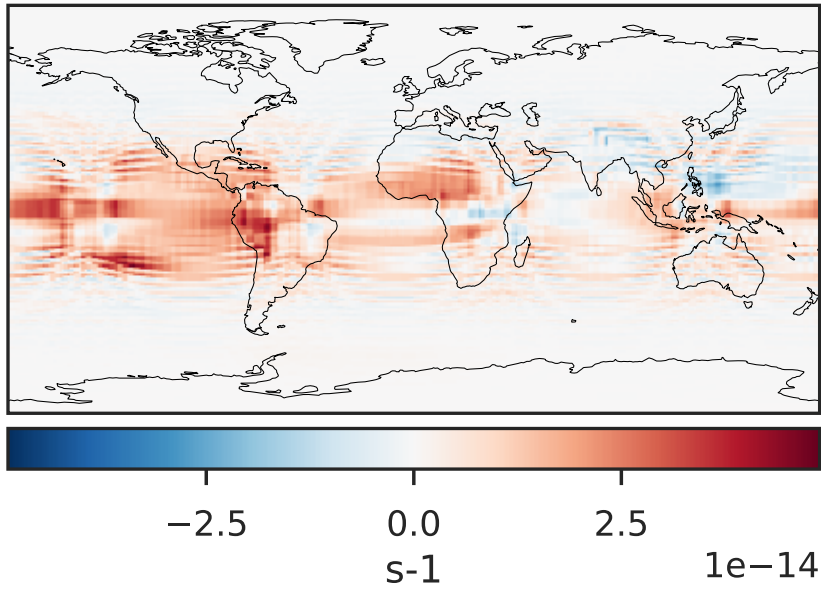
GCC\_14.2.0 (Ref)  
4.0x5.0



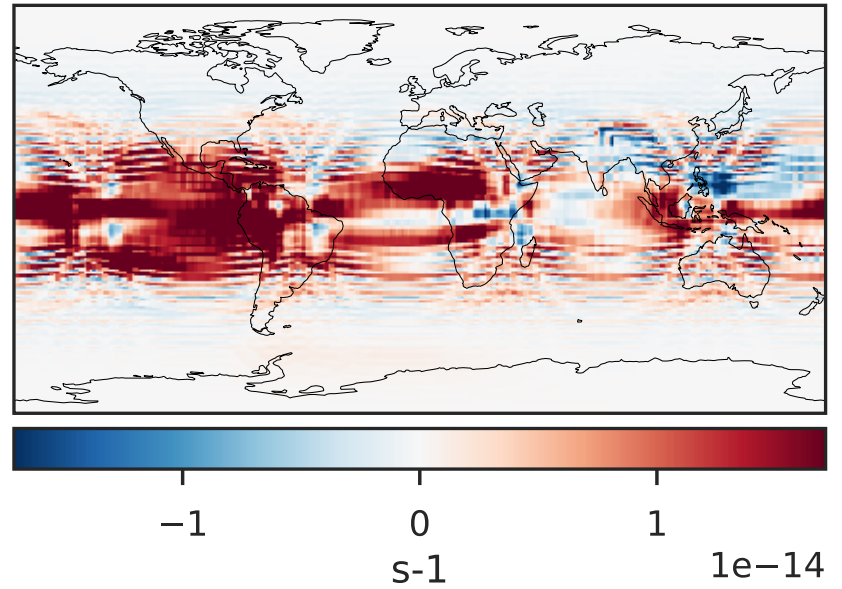
GCHP\_14.2.0 (Dev)  
c24



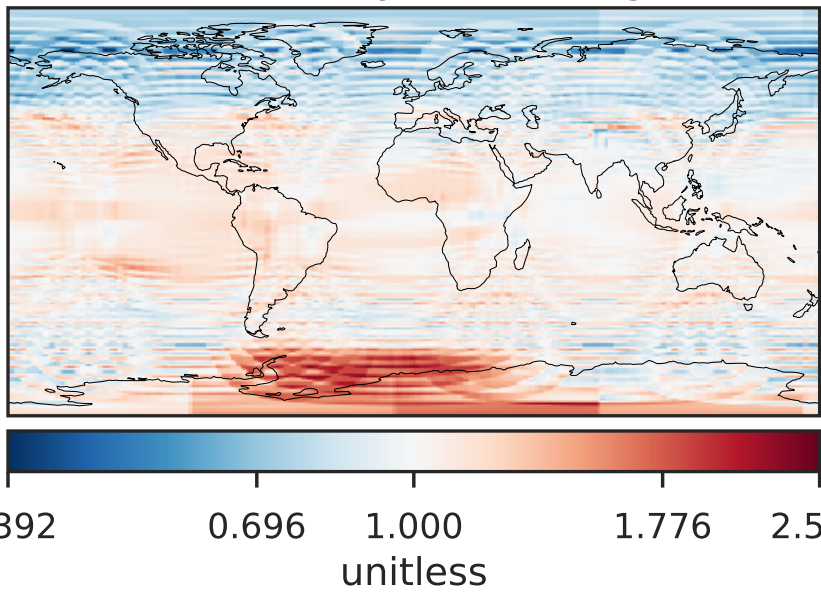
Difference (1x1.25)  
Dev - Ref, Dynamic Range



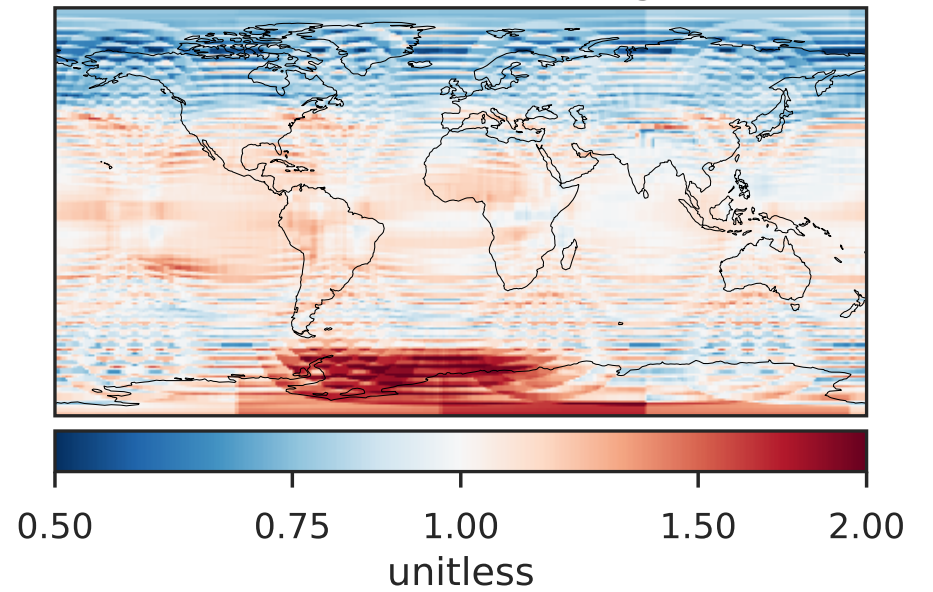
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)  
Dev/Ref, Dynamic Range

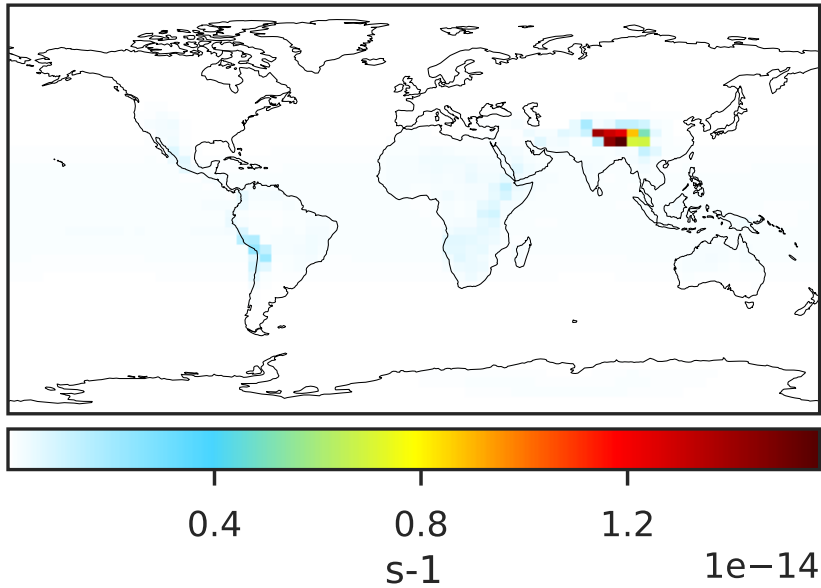


Ratio (1x1.25)  
Dev/Ref, Fixed Range

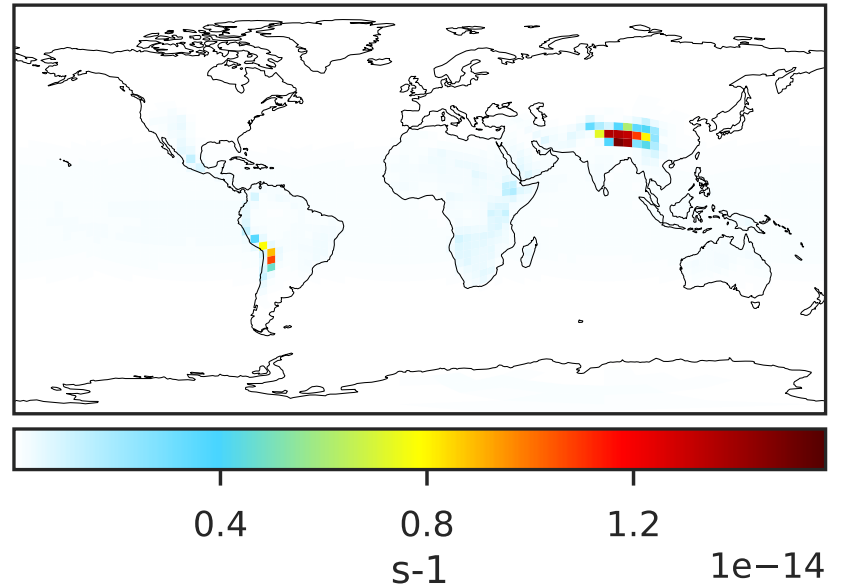


# Jval\_CH3CCI3 (AnnualMean)

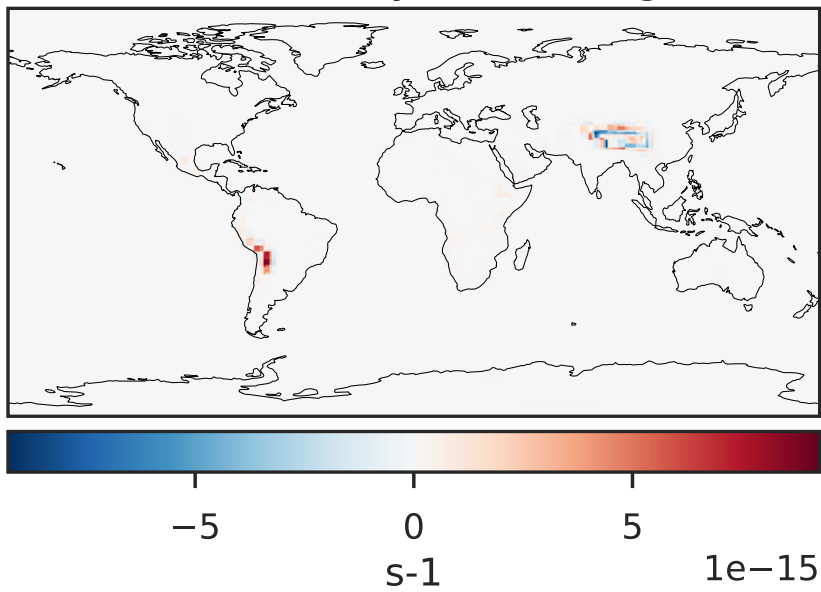
GCC\_14.2.0 (Ref)  
4.0x5.0



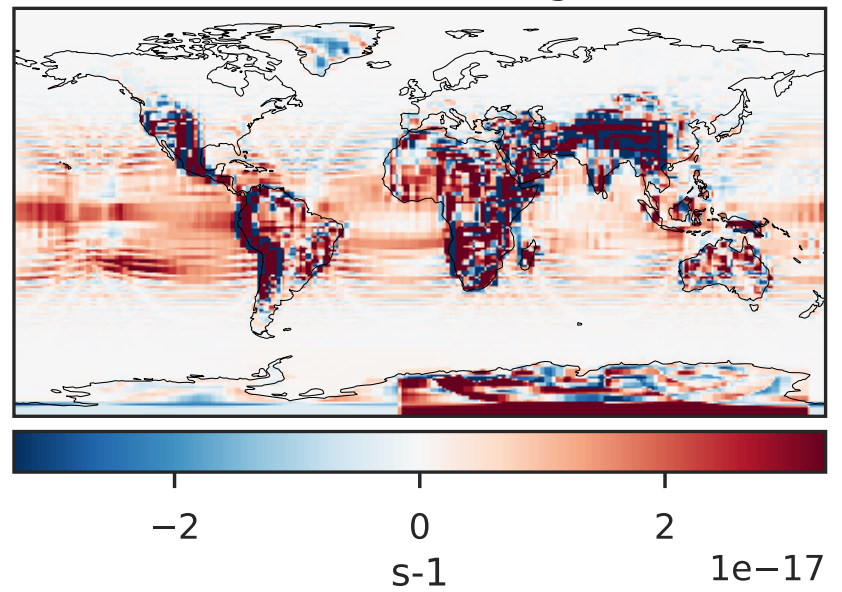
GCHP\_14.2.0 (Dev)  
c24



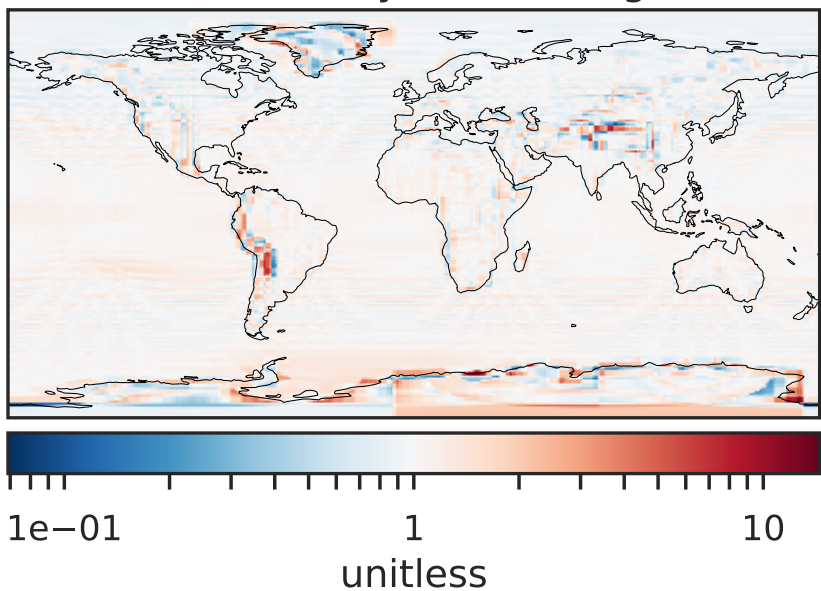
Difference (1x1.25)  
Dev - Ref, Dynamic Range



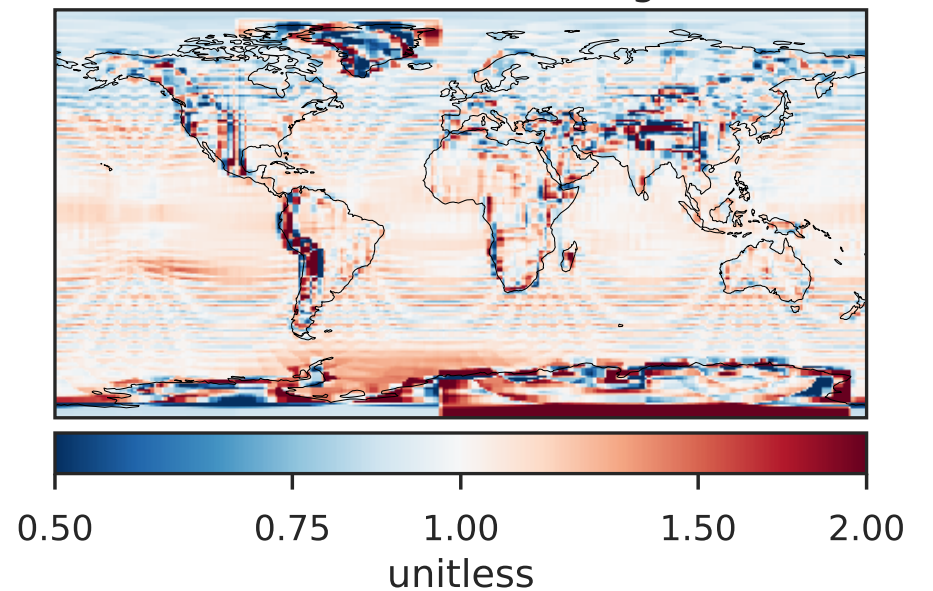
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)  
Dev/Ref, Dynamic Range

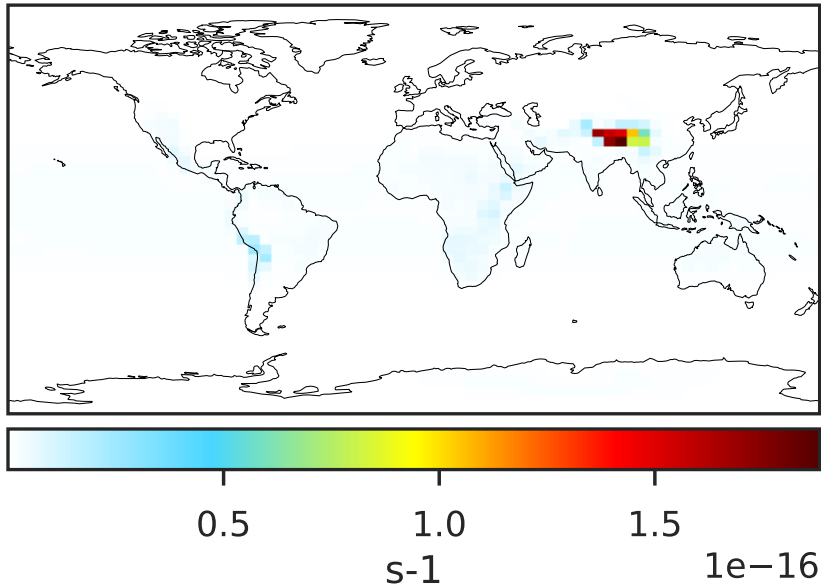


Ratio (1x1.25)  
Dev/Ref, Fixed Range

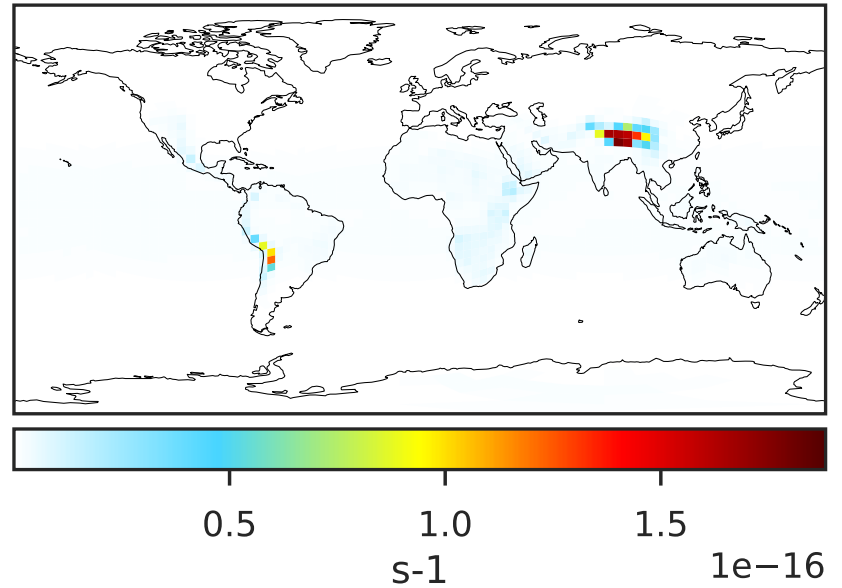


# Jval\_CH3Cl (AnnualMean)

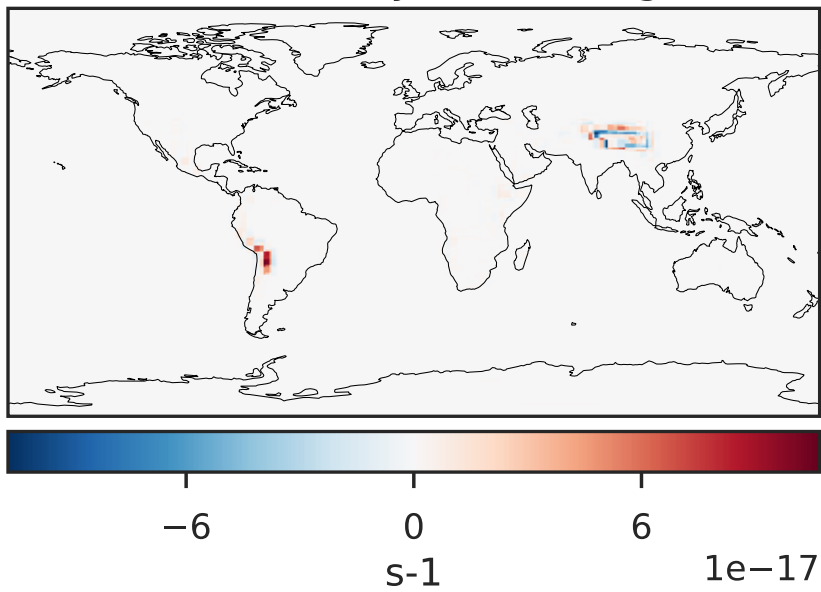
GCC\_14.2.0 (Ref)  
4.0x5.0



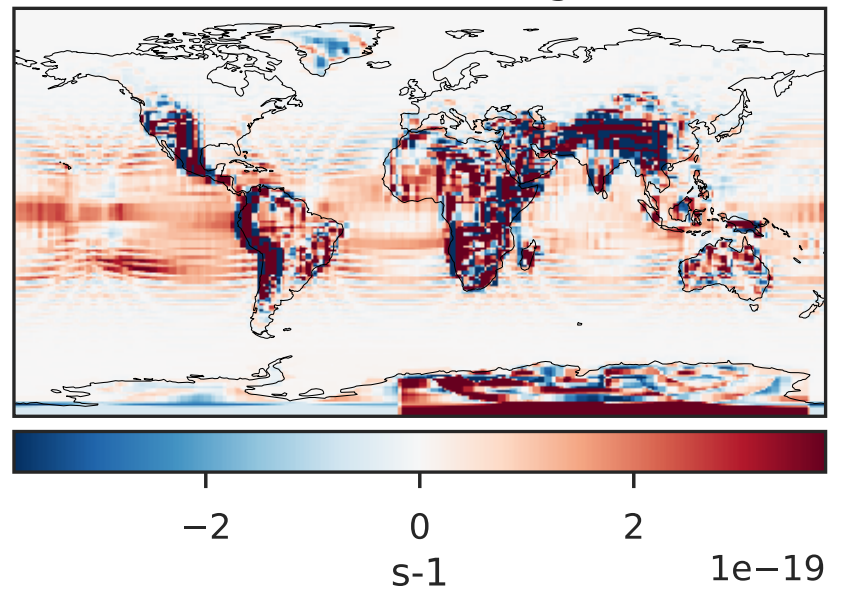
GCHP\_14.2.0 (Dev)  
c24



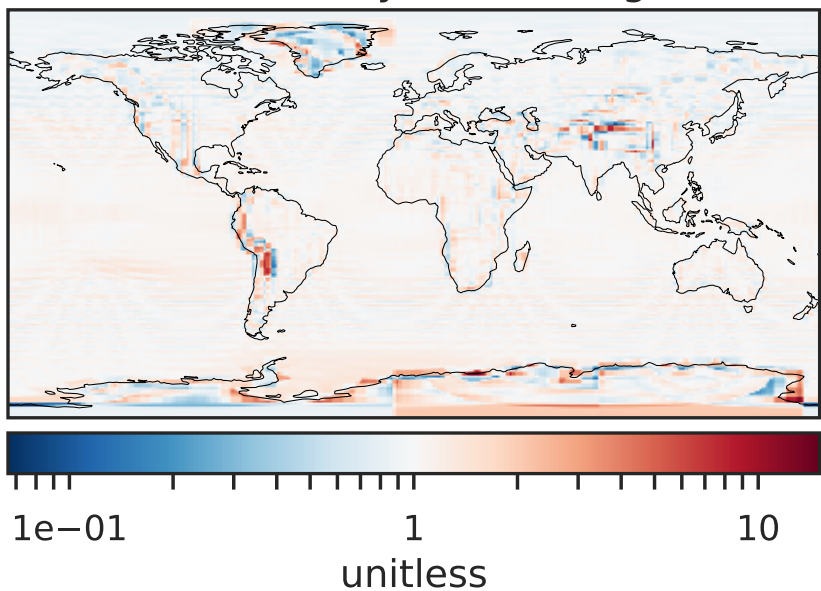
Difference (1x1.25)  
Dev - Ref, Dynamic Range



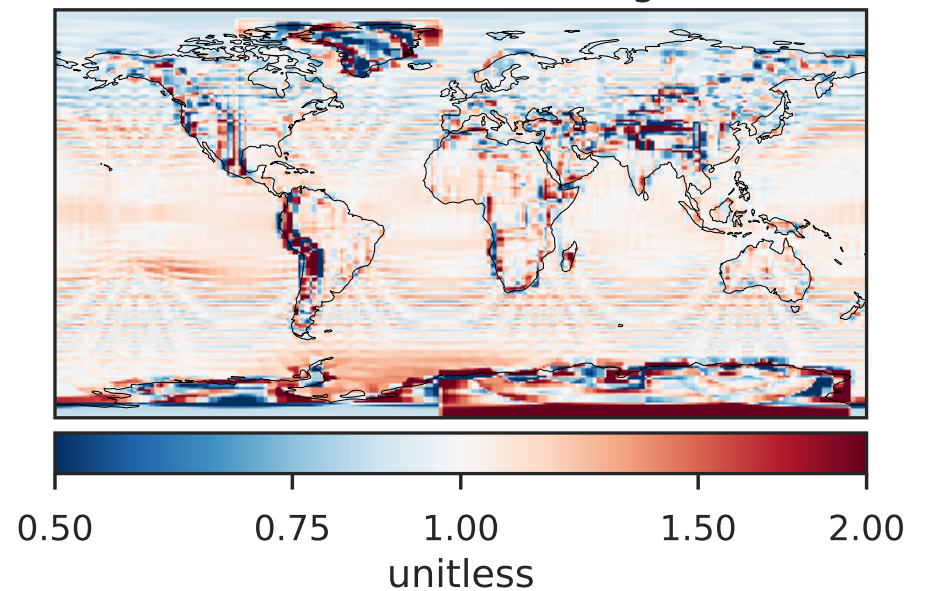
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)  
Dev/Ref, Dynamic Range

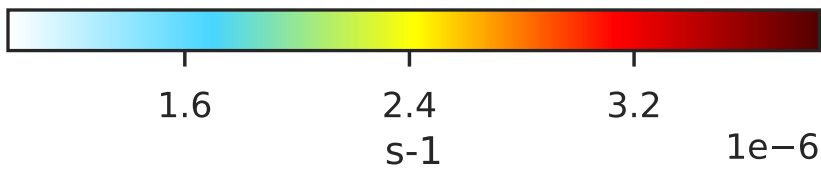
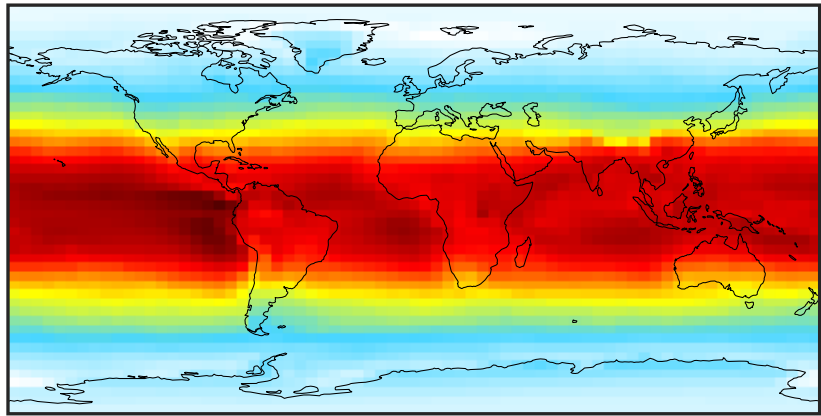


Ratio (1x1.25)  
Dev/Ref, Fixed Range

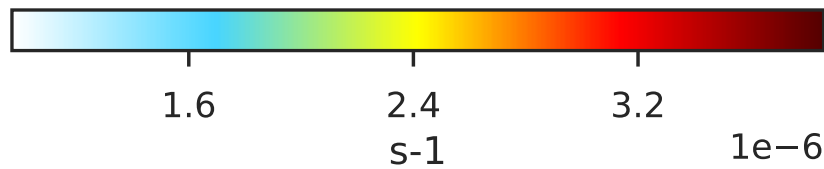
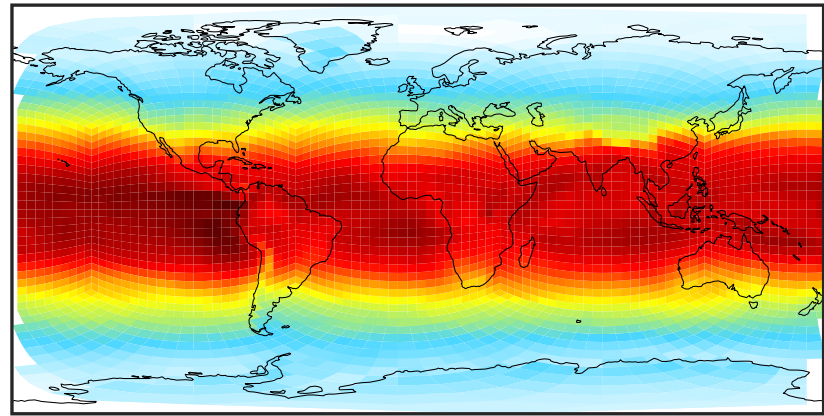


# Jval\_CH3I (AnnualMean)

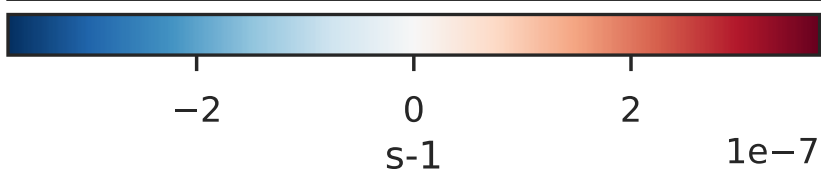
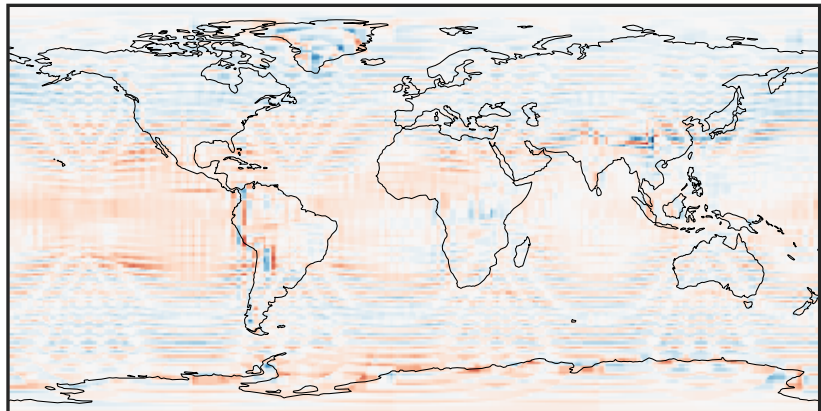
GCC\_14.2.0 (Ref)  
4.0x5.0



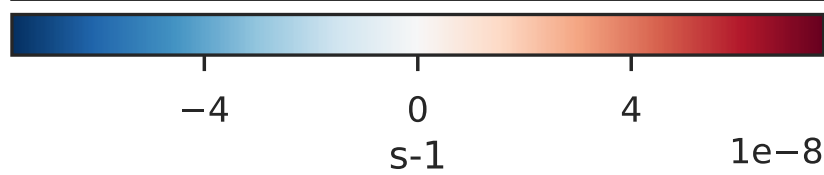
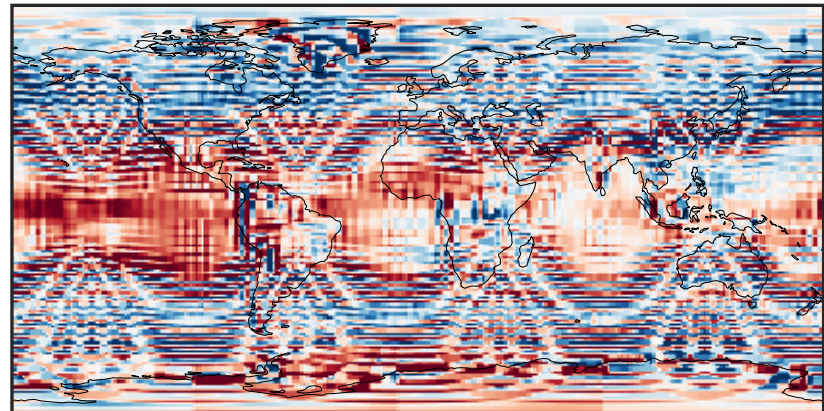
GCHP\_14.2.0 (Dev)  
c24



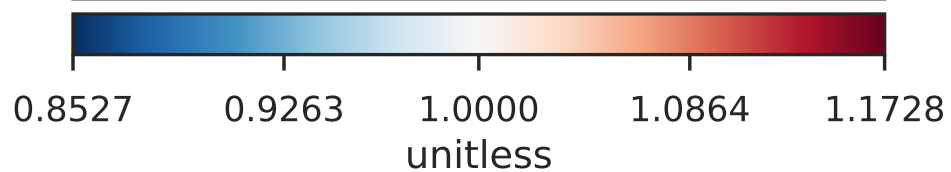
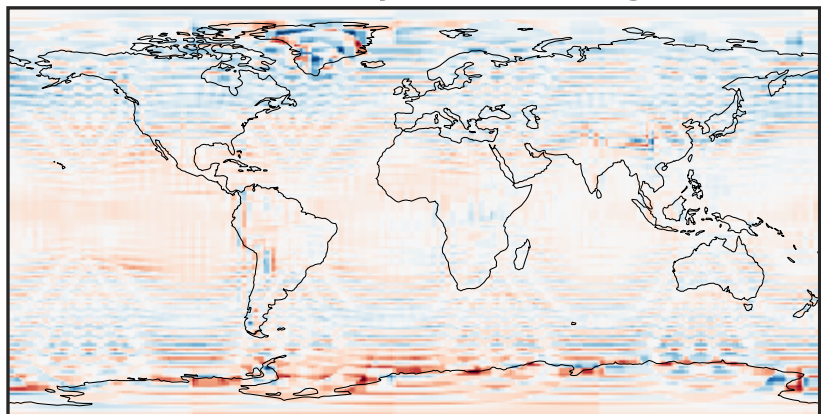
Difference (1x1.25)  
Dev - Ref, Dynamic Range



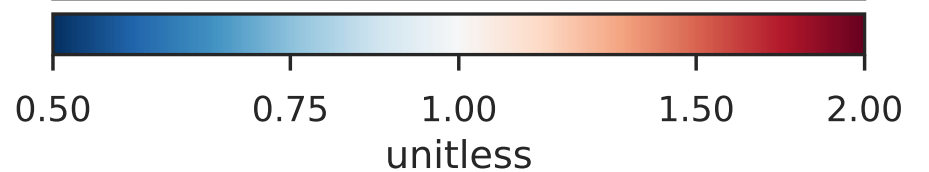
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)  
Dev/Ref, Dynamic Range

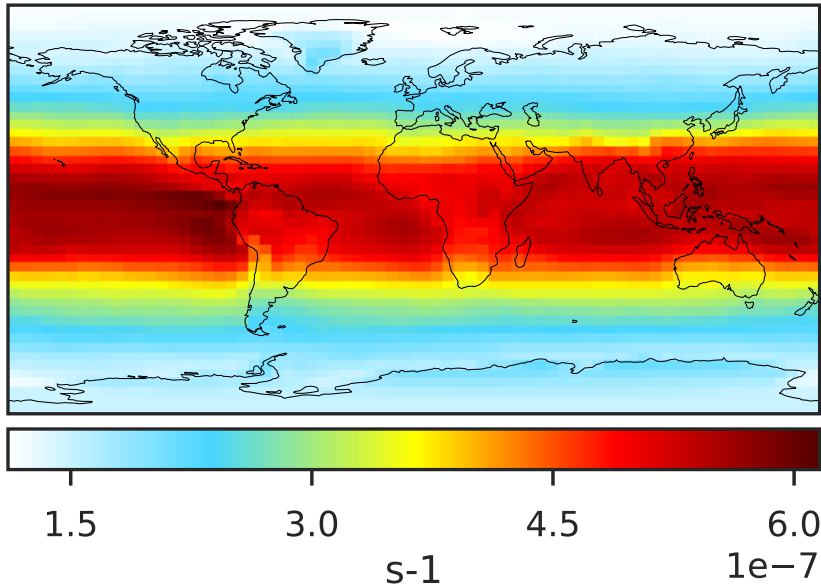


Ratio (1x1.25)  
Dev/Ref, Fixed Range

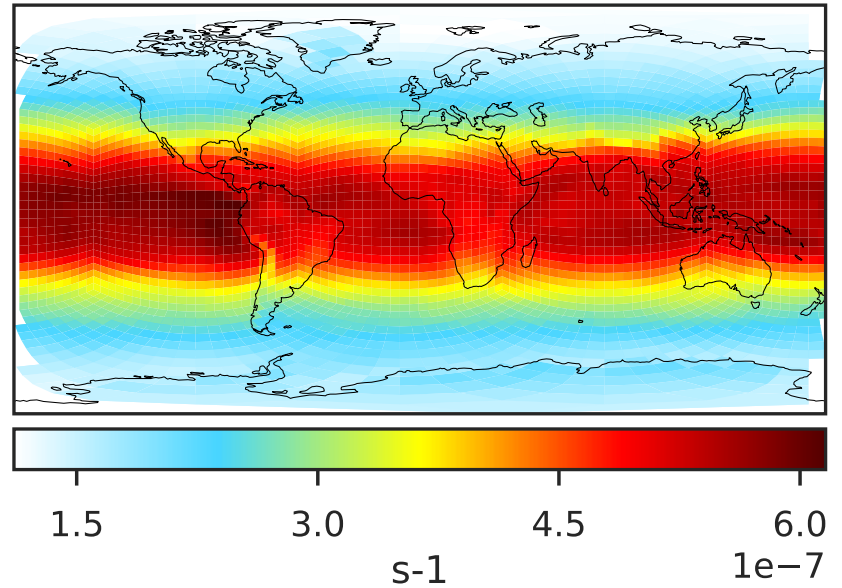


# Jval\_CHBr3 (AnnualMean)

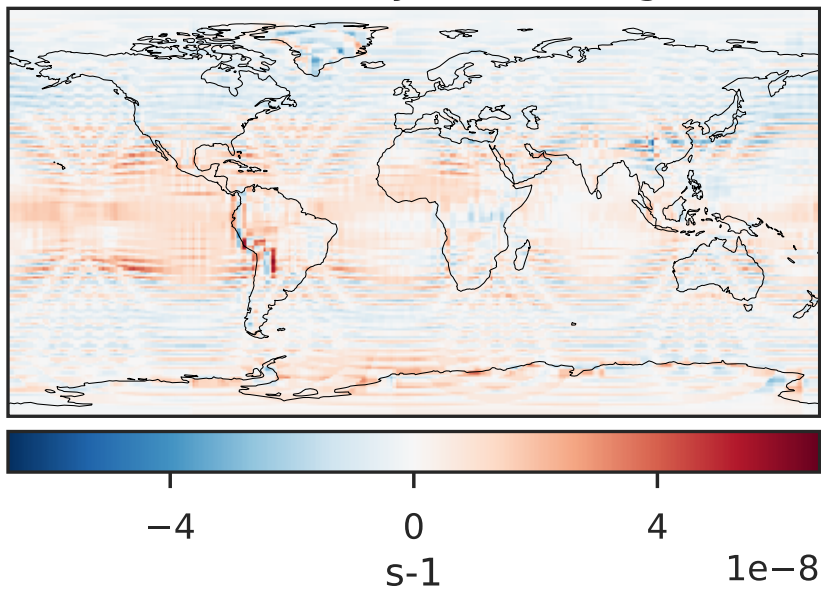
GCC\_14.2.0 (Ref)  
4.0x5.0



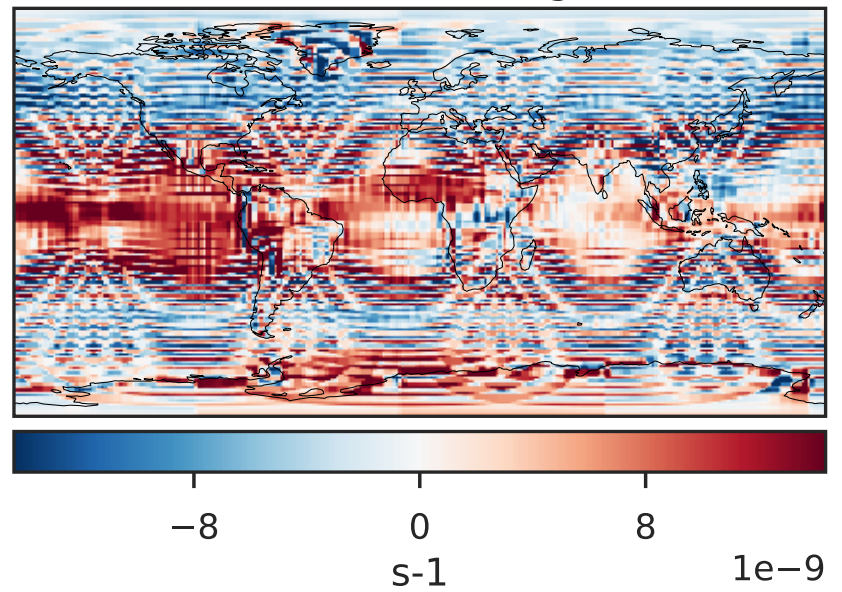
GCHP\_14.2.0 (Dev)  
c24



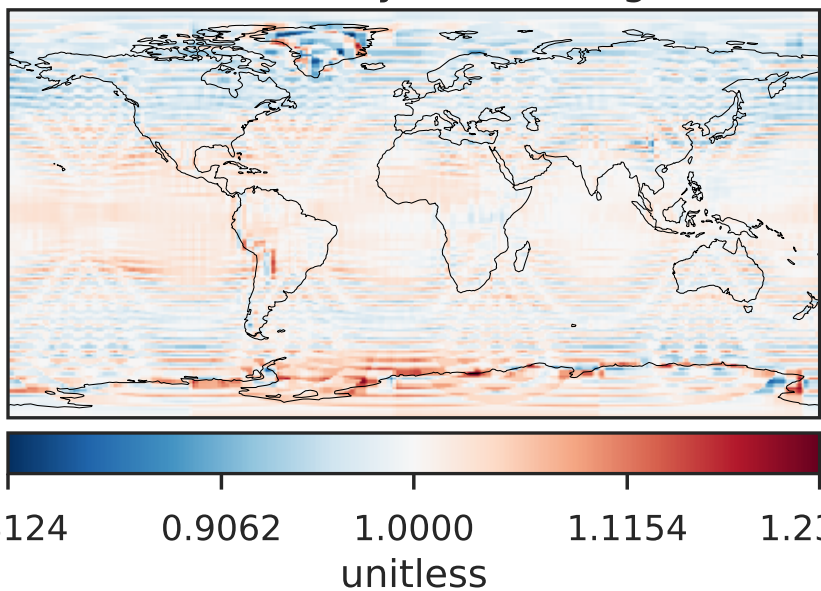
Difference (1x1.25)  
Dev - Ref, Dynamic Range



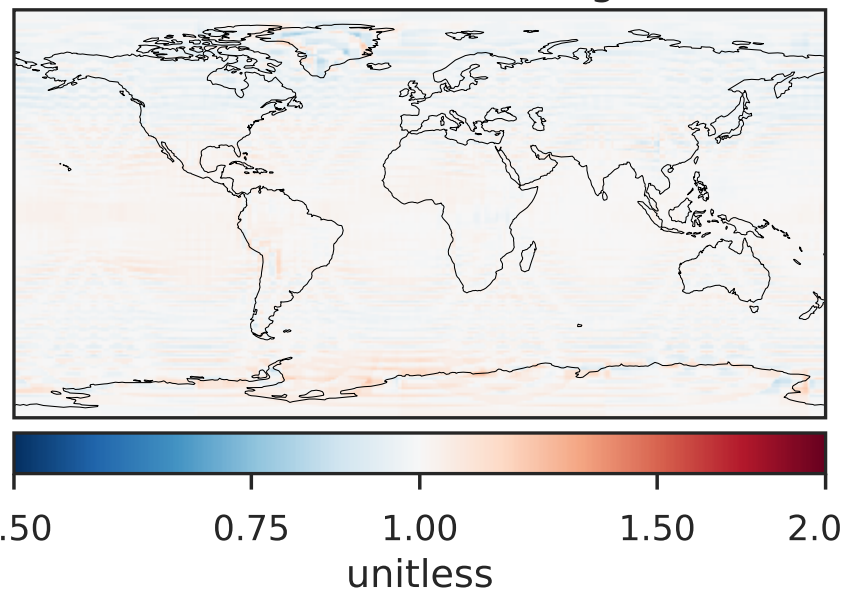
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)  
Dev/Ref, Dynamic Range

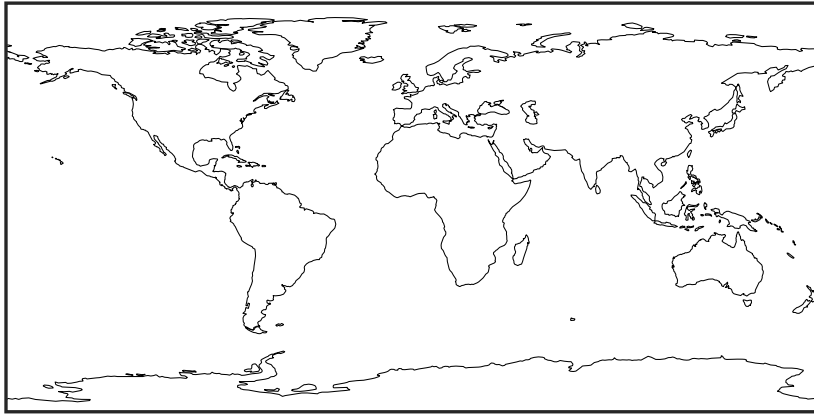


Ratio (1x1.25)  
Dev/Ref, Fixed Range



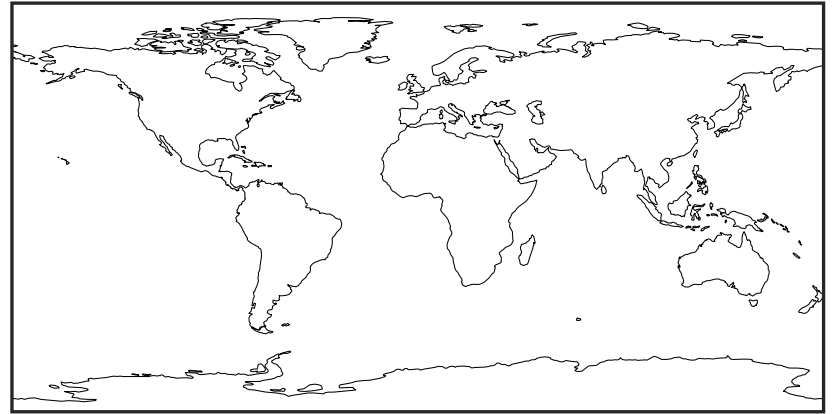
# Jval\_CHCl3 (AnnualMean)

GCC\_14.2.0 (Ref)  
4.0x5.0



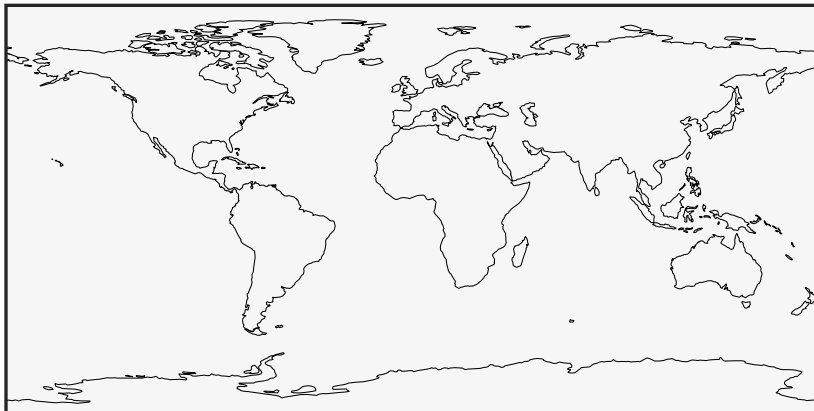
Zero throughout domain  
s-1

GCHP\_14.2.0 (Dev)  
c24



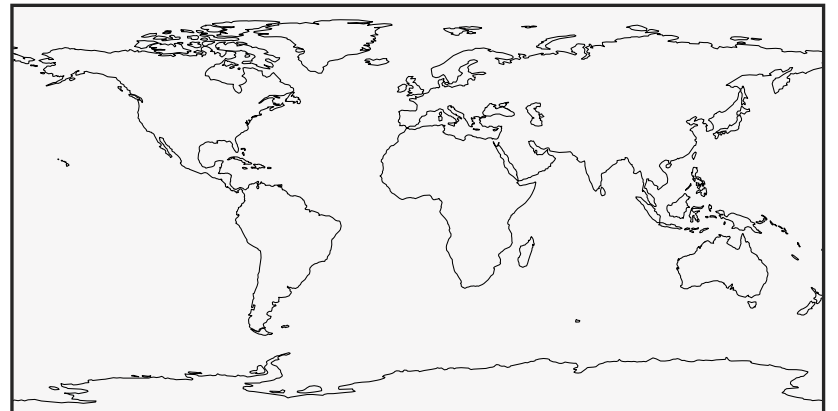
Zero throughout domain  
s-1

Difference (1x1.25)  
Dev - Ref, Dynamic Range



Zero throughout domain  
s-1

Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



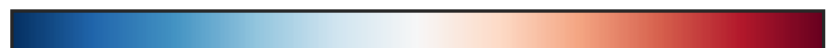
Zero throughout domain  
s-1

Ratio (1x1.25)  
Dev/Ref, Dynamic Range



Undefined throughout domain  
unitless

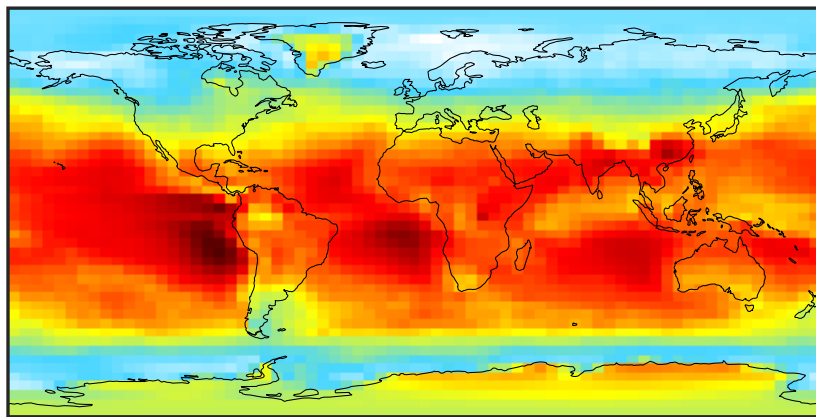
Ratio (1x1.25)  
Dev/Ref, Fixed Range



Undefined throughout domain  
unitless

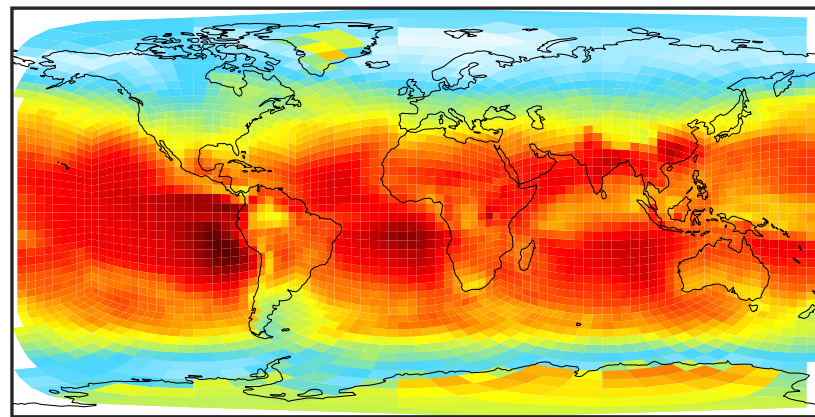
# Jval\_CI2 (AnnualMean)

GCC\_14.2.0 (Ref)  
4.0x5.0



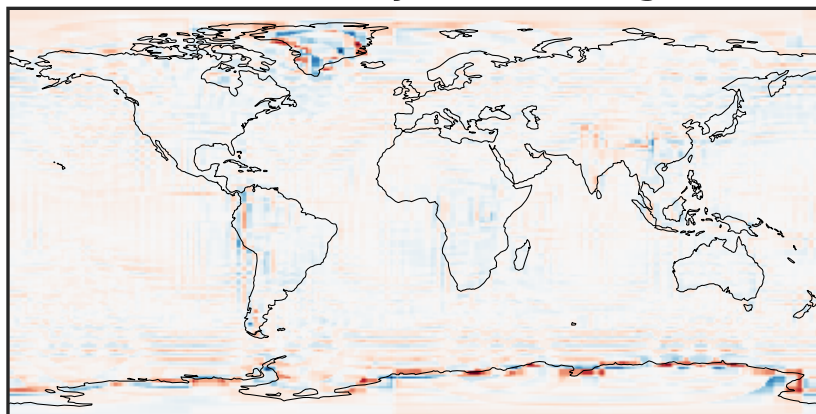
0.0008 0.0010 0.0012 0.0014  
s-1

GCHP\_14.2.0 (Dev)  
c24



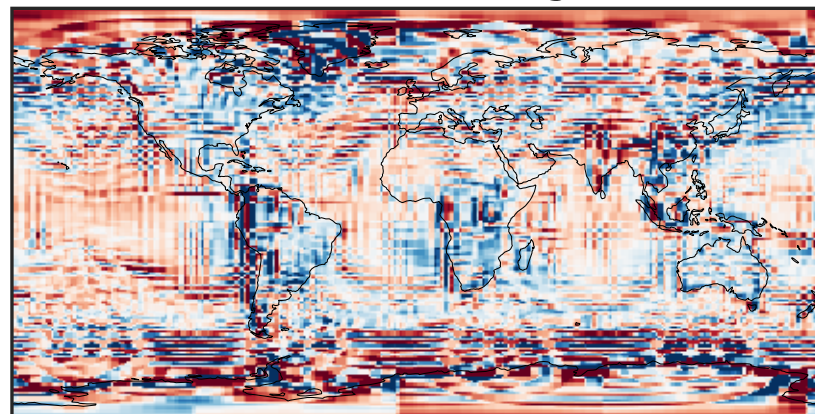
0.0008 0.0010 0.0012 0.0014  
s-1

Difference (1x1.25)  
Dev - Ref, Dynamic Range



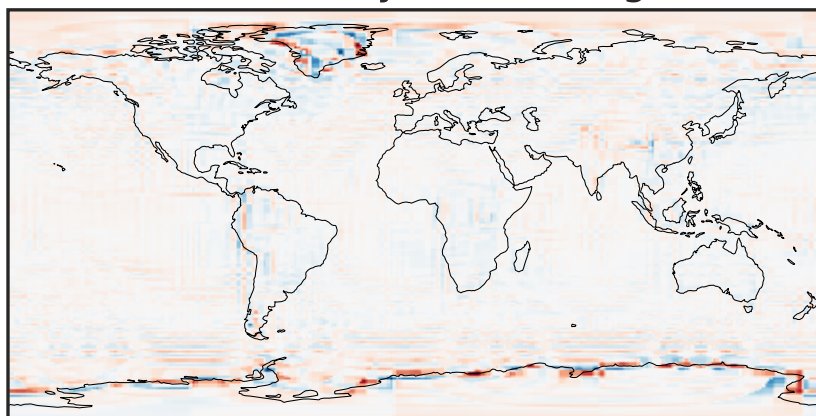
-0.00015 0.00000 0.00015  
s-1

Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



-1.5 0.0 1.5  
s-1 1e-5

Ratio (1x1.25)  
Dev/Ref, Dynamic Range



0.8200 0.9100 1.0000 1.1097 1.2194  
unitless

Ratio (1x1.25)  
Dev/Ref, Fixed Range

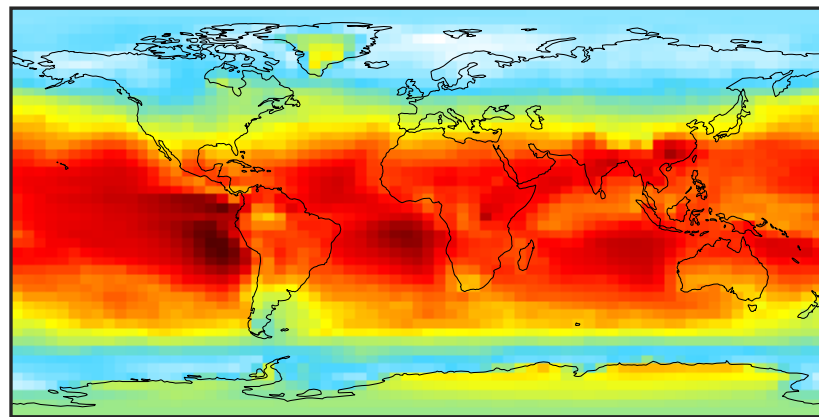


0.50 0.75 1.00 1.50 2.00  
unitless



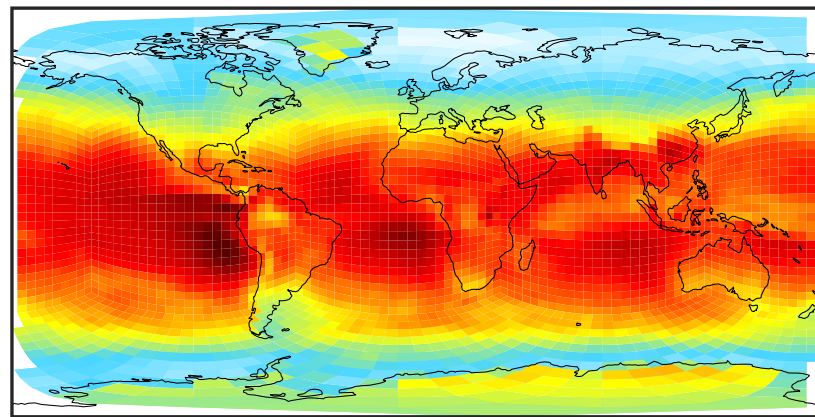
# Jval\_Cl202 (AnnualMean)

GCC\_14.2.0 (Ref)  
4.0x5.0



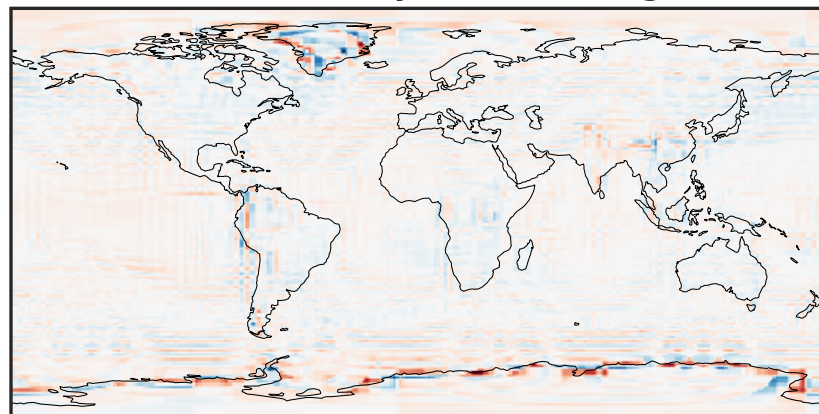
0.0006 0.0008 0.0010  
s-1

GCHP\_14.2.0 (Dev)  
c24



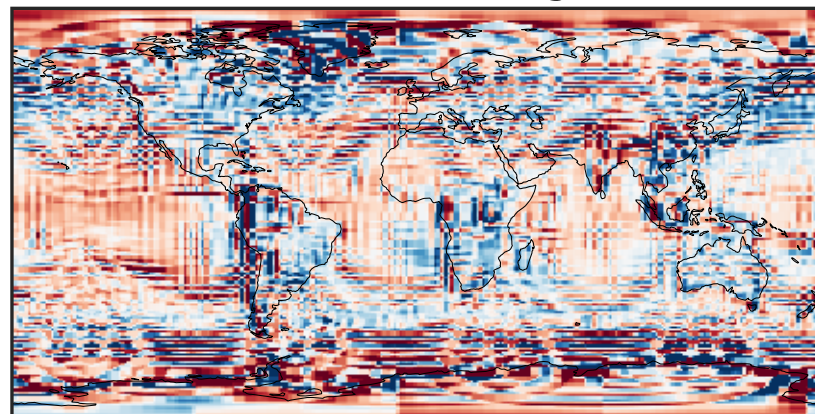
0.0006 0.0008 0.0010  
s-1

Difference (1x1.25)  
Dev - Ref, Dynamic Range



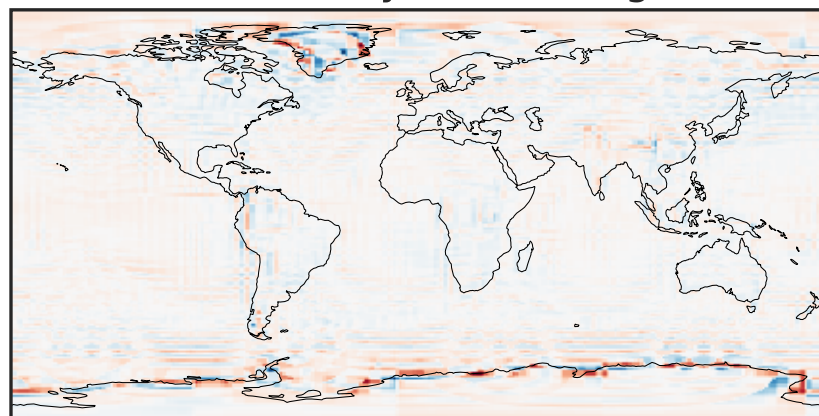
-8 0 8  
s-1 1e-5

Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



-1.5 0.0 1.5  
s-1 1e-5

Ratio (1x1.25)  
Dev/Ref, Dynamic Range



0.8216 0.9108 1.0000 1.1086 1.2171  
unitless

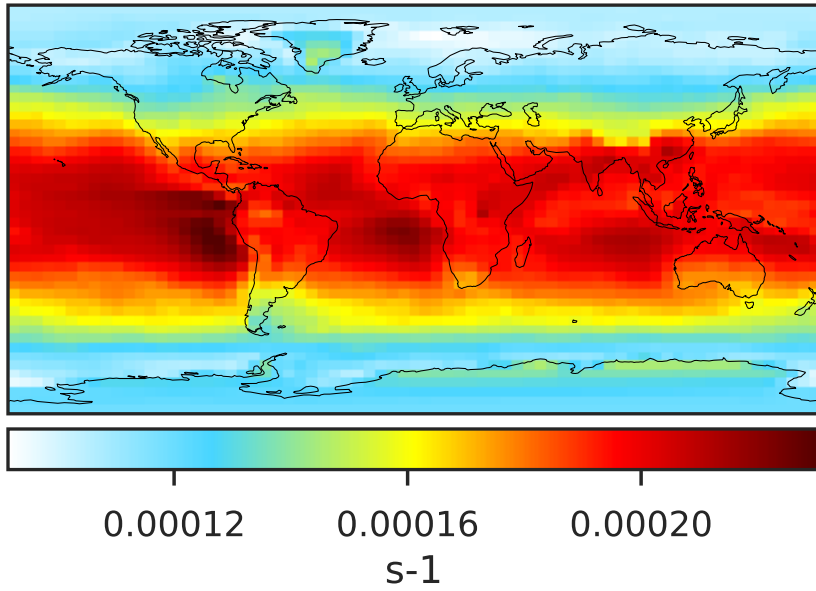
Ratio (1x1.25)  
Dev/Ref, Fixed Range



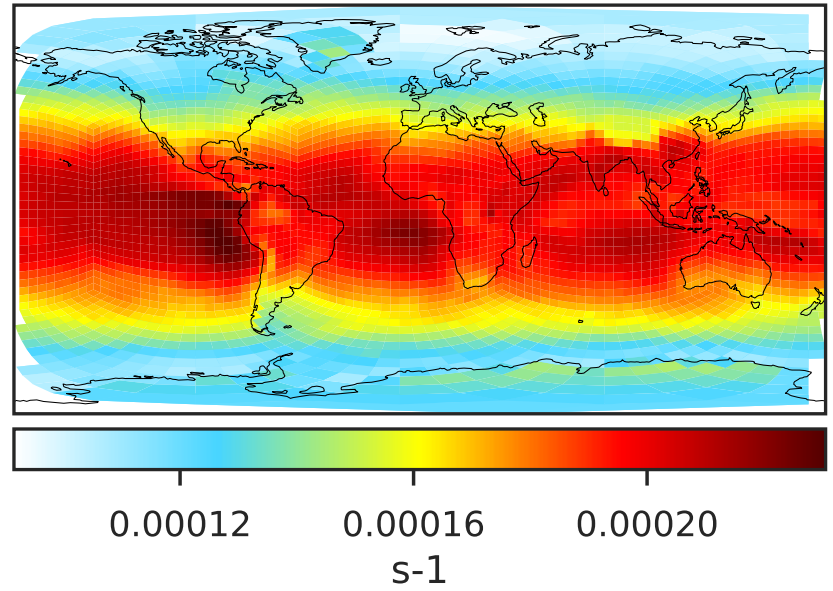
0.50 0.75 1.00 1.50 2.00  
unitless

# Jval\_CIN02 (AnnualMean)

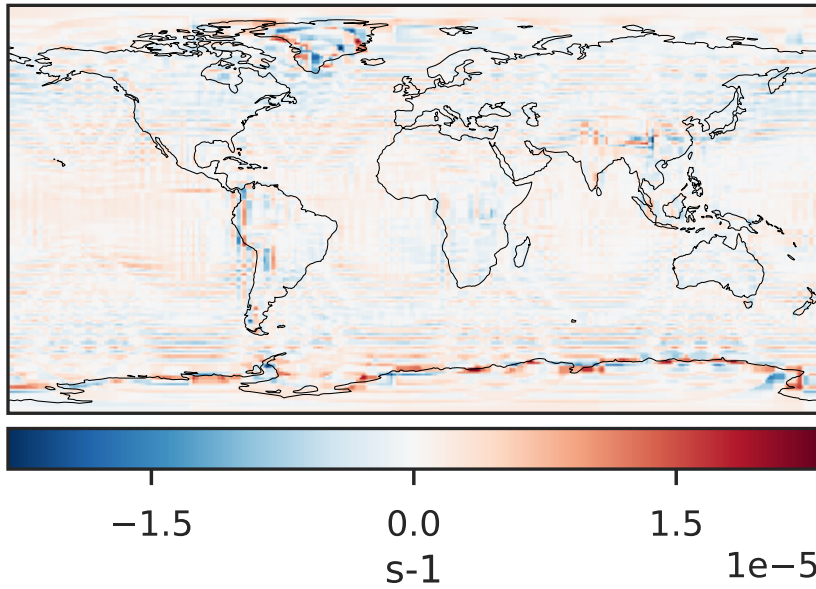
GCC\_14.2.0 (Ref)  
4.0x5.0



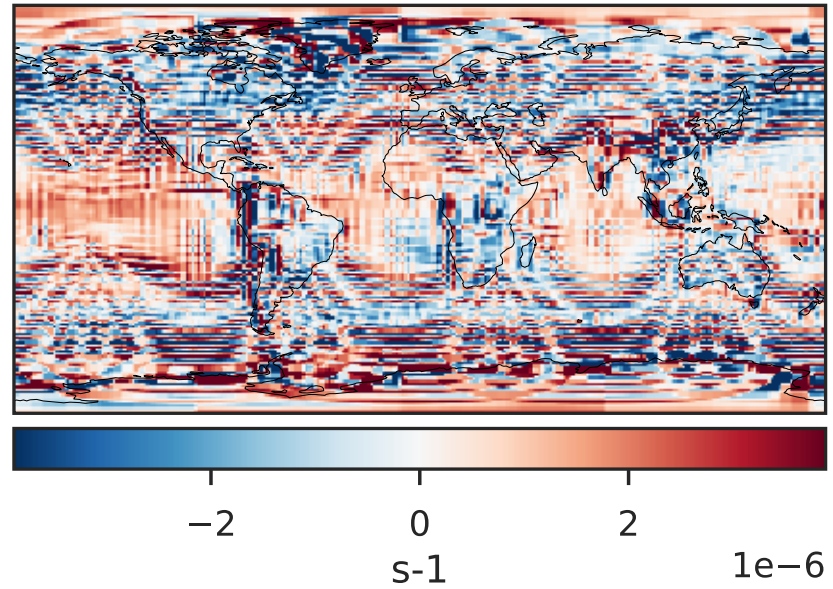
GCHP\_14.2.0 (Dev)  
c24



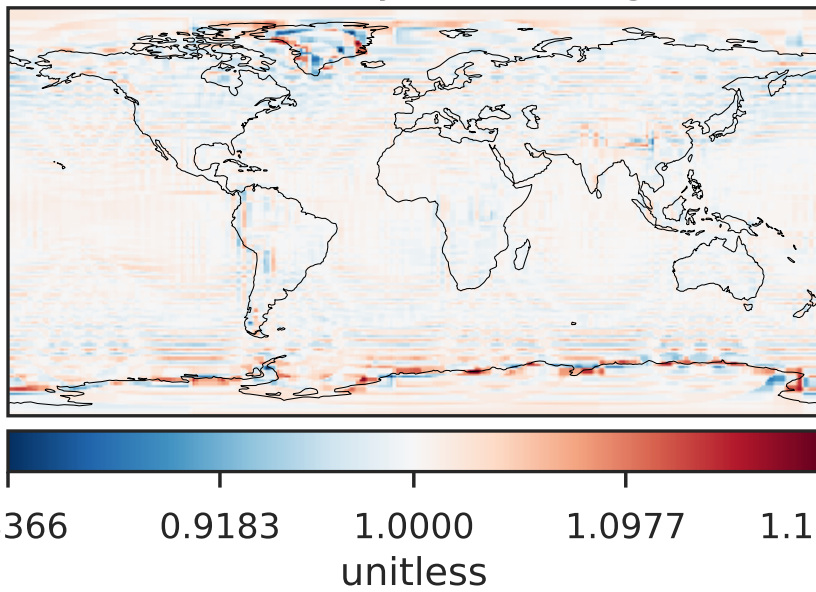
Difference (1x1.25)  
Dev - Ref, Dynamic Range



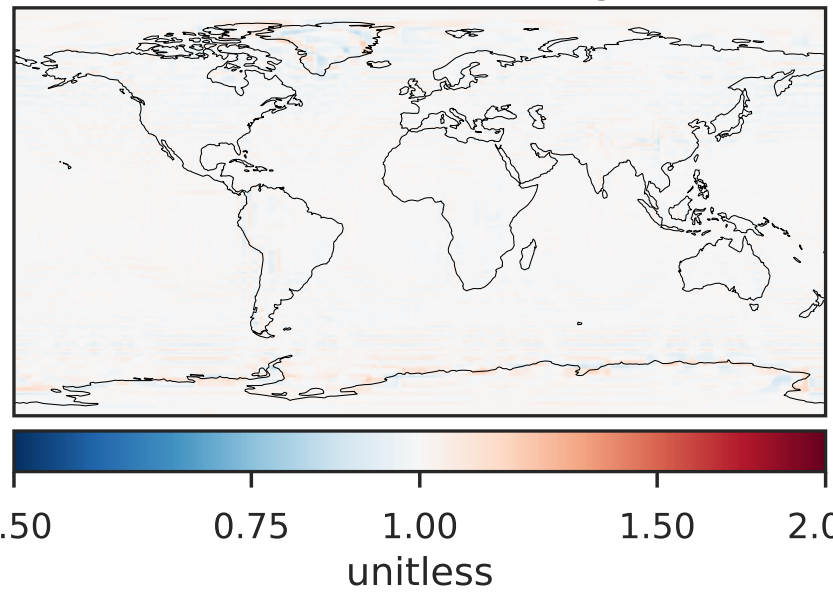
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)  
Dev/Ref, Dynamic Range

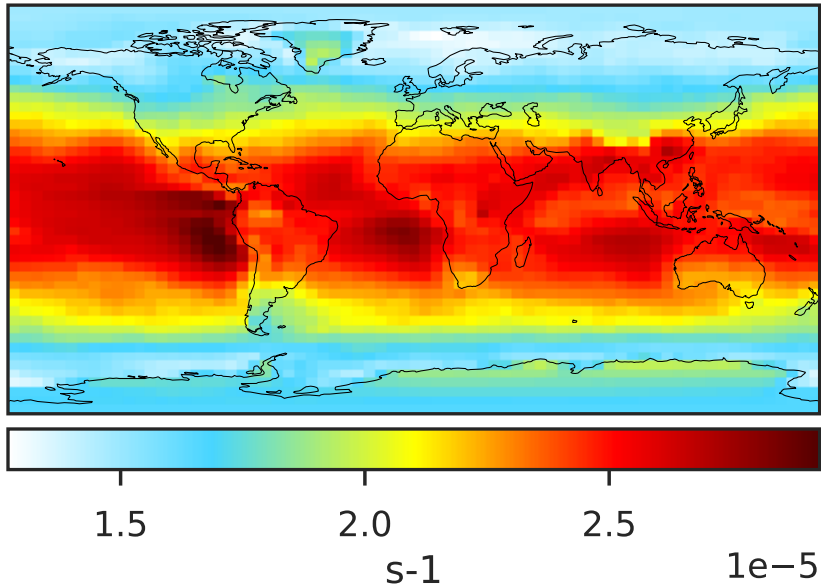


Ratio (1x1.25)  
Dev/Ref, Fixed Range

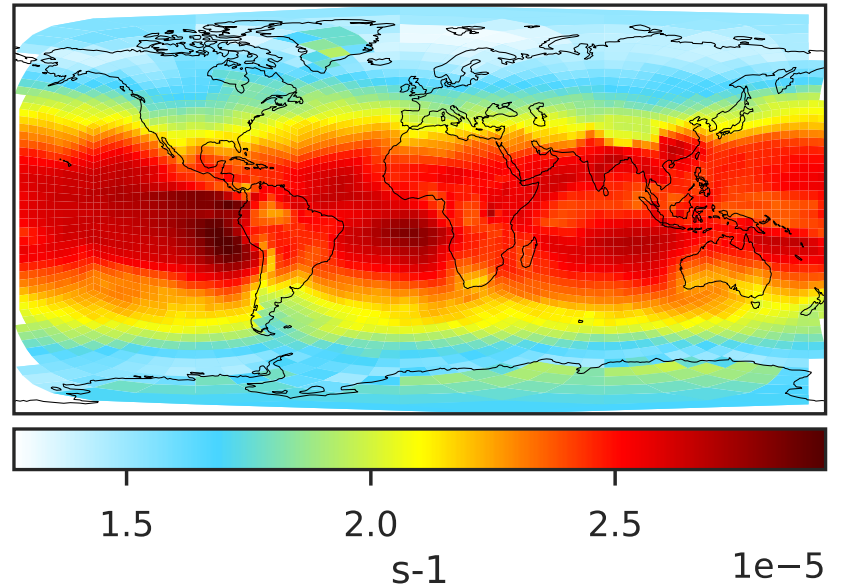


# Jval\_CIN03 (AnnualMean)

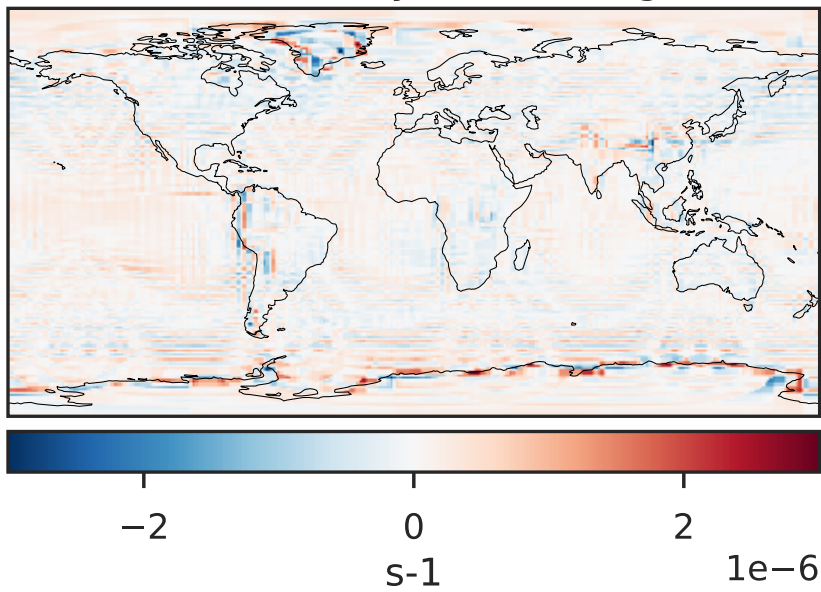
GCC\_14.2.0 (Ref)  
4.0x5.0



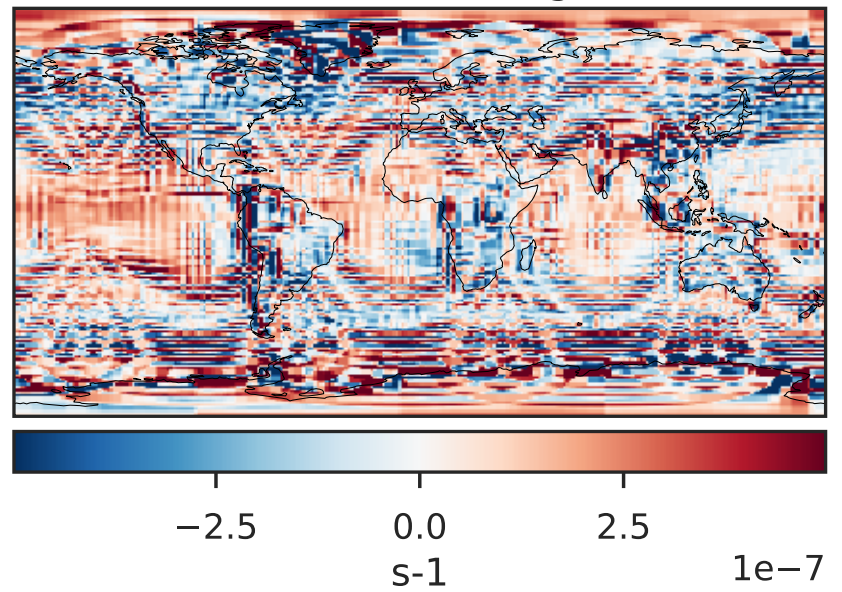
GCHP\_14.2.0 (Dev)  
c24



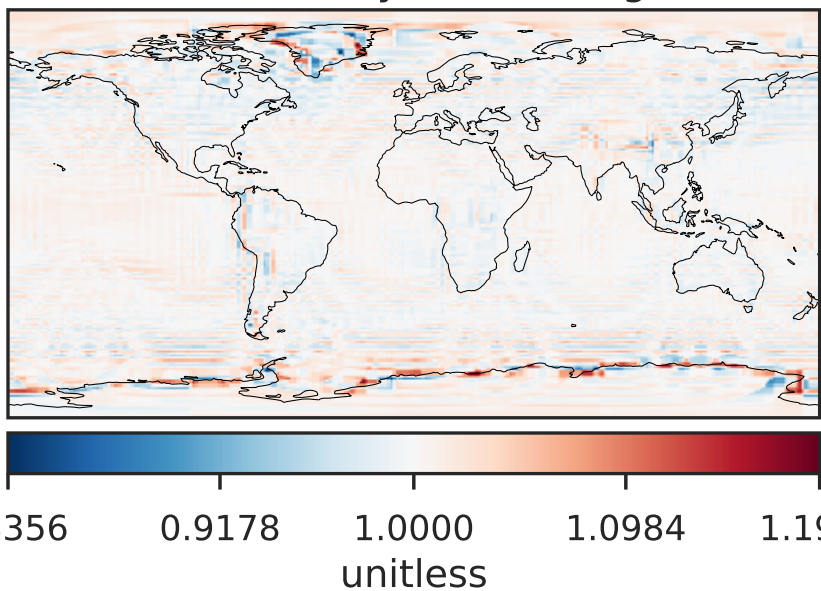
Difference (1x1.25)  
Dev - Ref, Dynamic Range



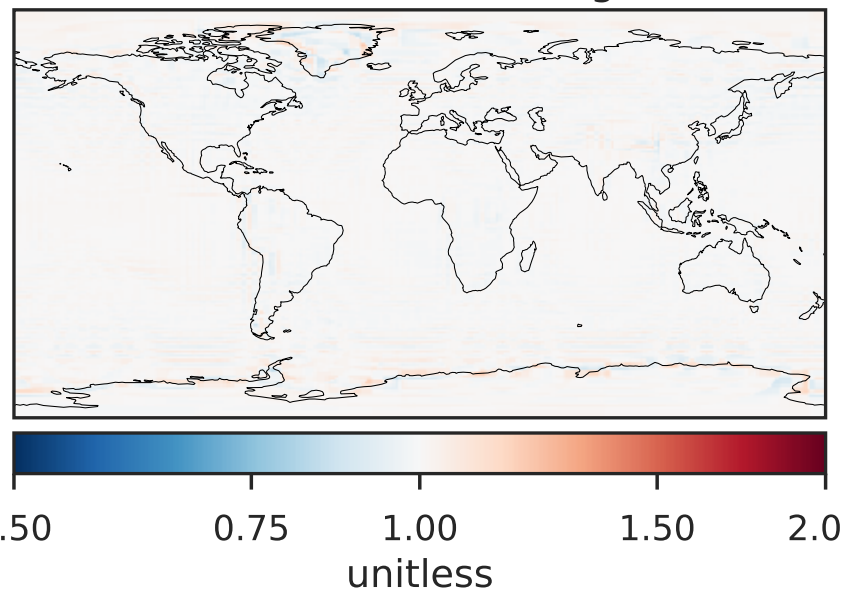
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)  
Dev/Ref, Dynamic Range

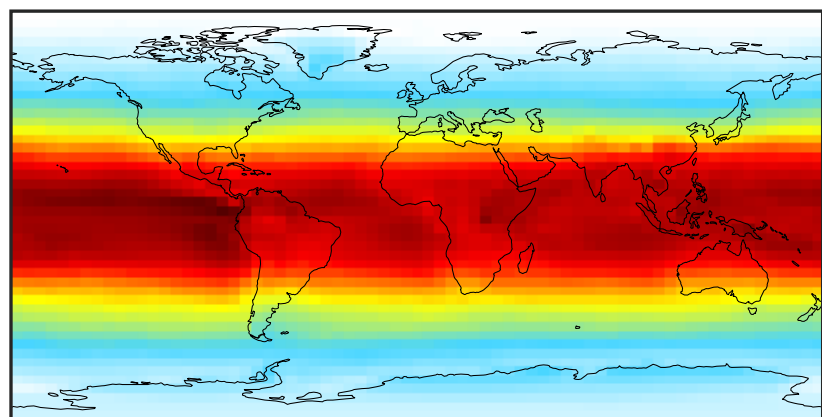


Ratio (1x1.25)  
Dev/Ref, Fixed Range



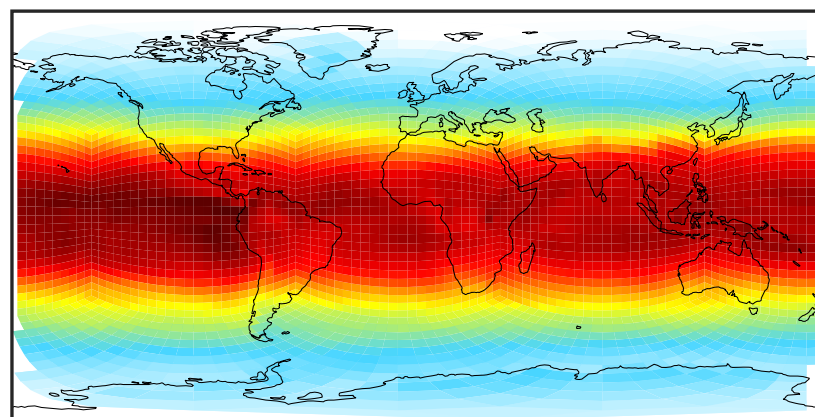
# Jval\_CIO (AnnualMean)

GCC\_14.2.0 (Ref)  
4.0x5.0



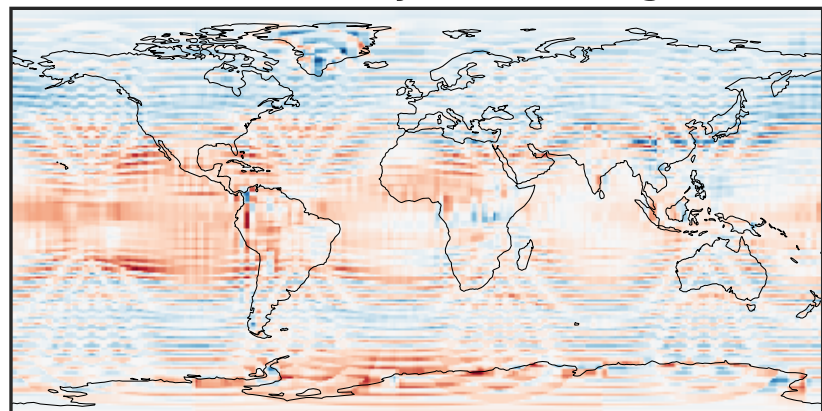
0.00003 0.00006 0.00009 0.00012  
s-1

GCHP\_14.2.0 (Dev)  
c24



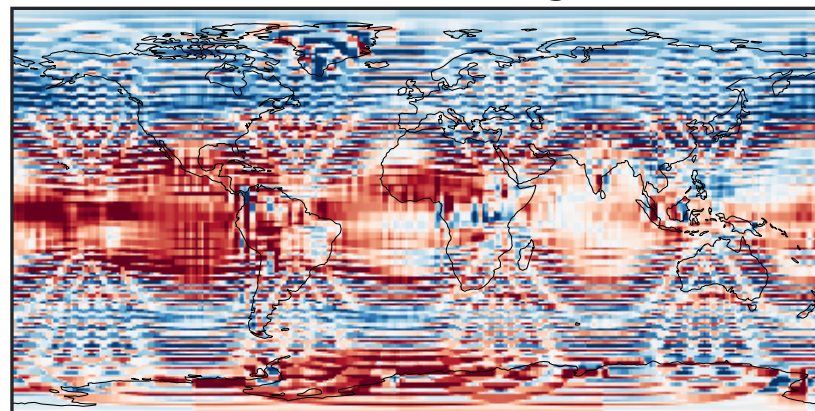
0.00003 0.00006 0.00009 0.00012  
s-1

Difference (1x1.25)  
Dev - Ref, Dynamic Range



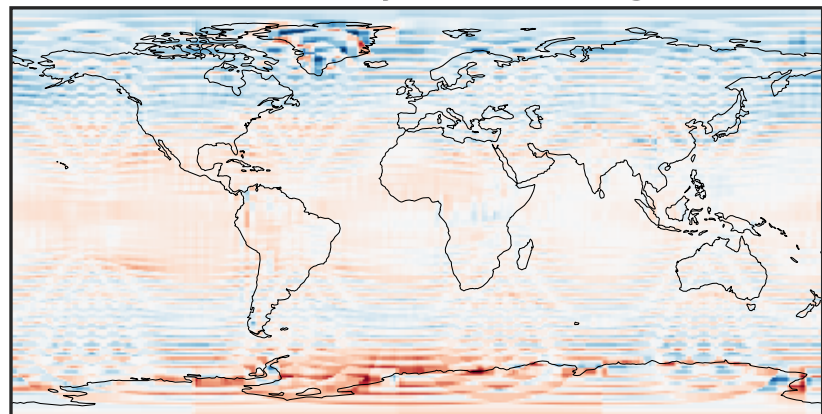
-5 0 5  
s-1 1e-6

Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



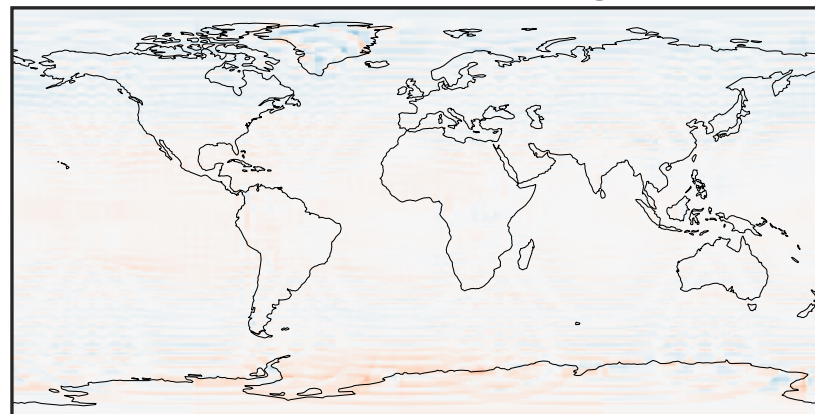
-2 0 2  
s-1 1e-6

Ratio (1x1.25)  
Dev/Ref, Dynamic Range



0.8119 0.9060 1.0000 1.1158 1.2317  
unitless

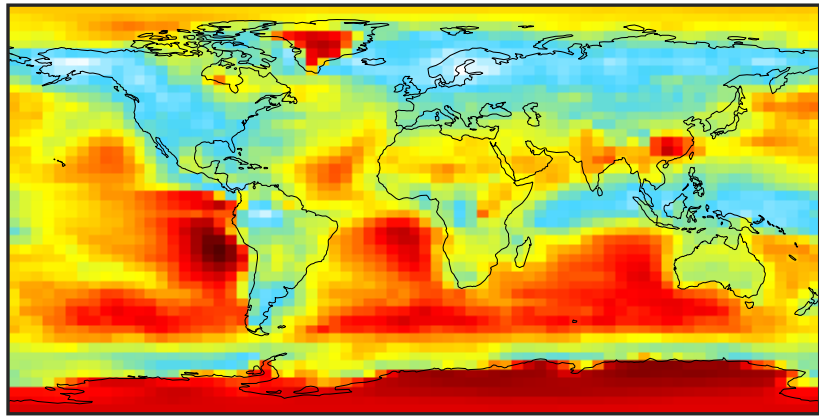
Ratio (1x1.25)  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

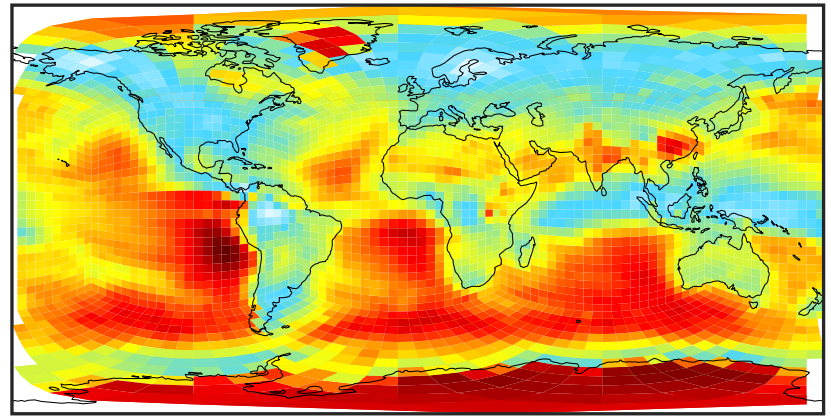
# Jval\_C100 (AnnualMean)

GCC\_14.2.0 (Ref)  
4.0x5.0



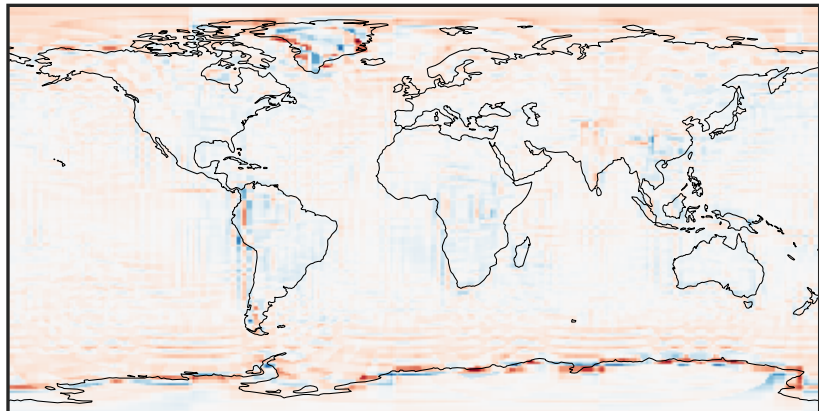
0.020505890884 0.1997 0.3176  
s-1

GCHP\_14.2.0 (Dev)  
c24



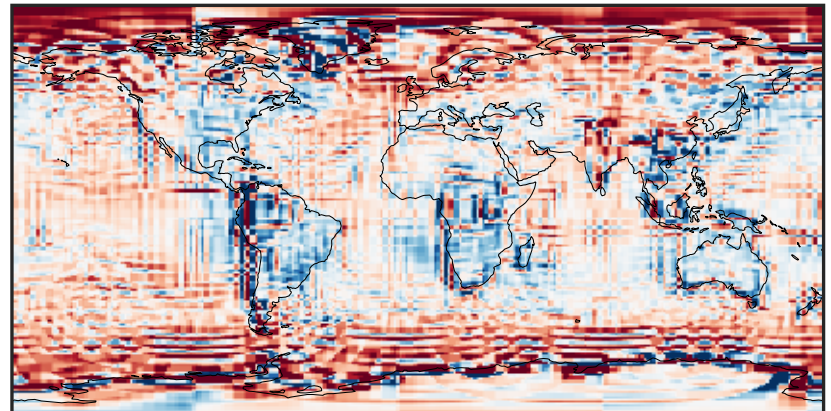
0.020505890884 0.1997 0.3176  
s-1

Difference (1x1.25)  
Dev - Ref, Dynamic Range



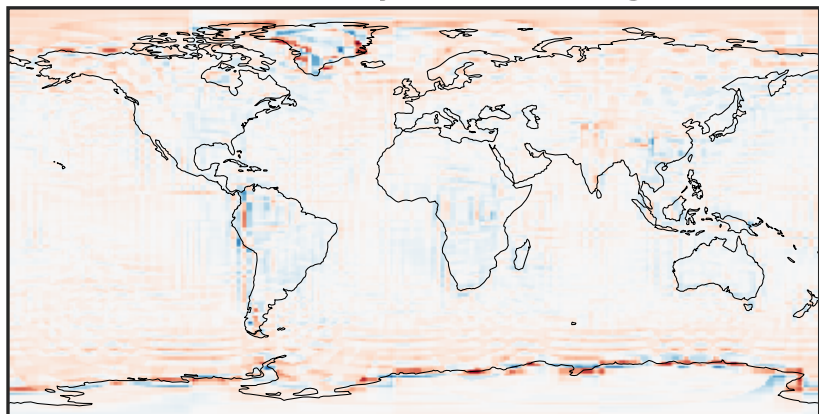
-0.025 0.000 0.025  
s-1

Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



-0.005 0.000 0.005  
s-1

Ratio (1x1.25)  
Dev/Ref, Dynamic Range



0.8335 0.9167 1.000 1.0999 1.1998  
unitless

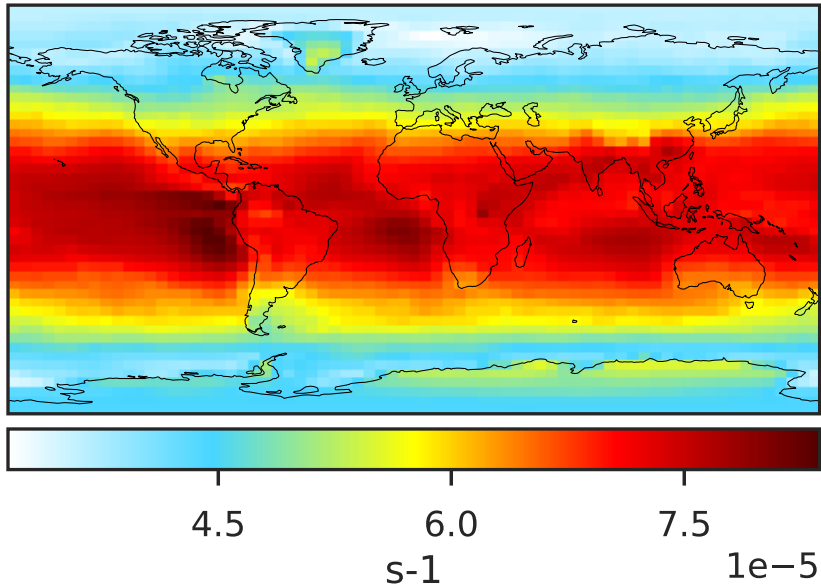
Ratio (1x1.25)  
Dev/Ref, Fixed Range



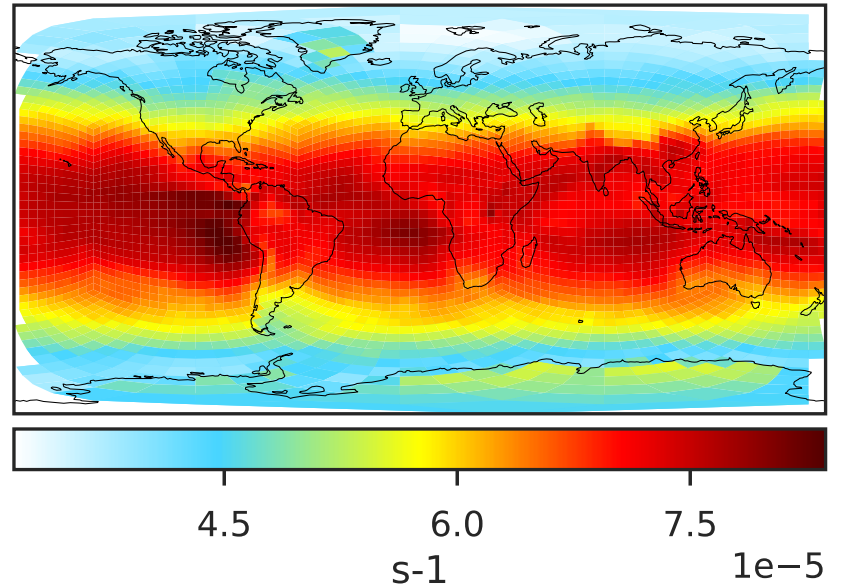
0.50 0.75 1.00 1.50 2.00  
unitless

# Jval\_ETHLN (AnnualMean)

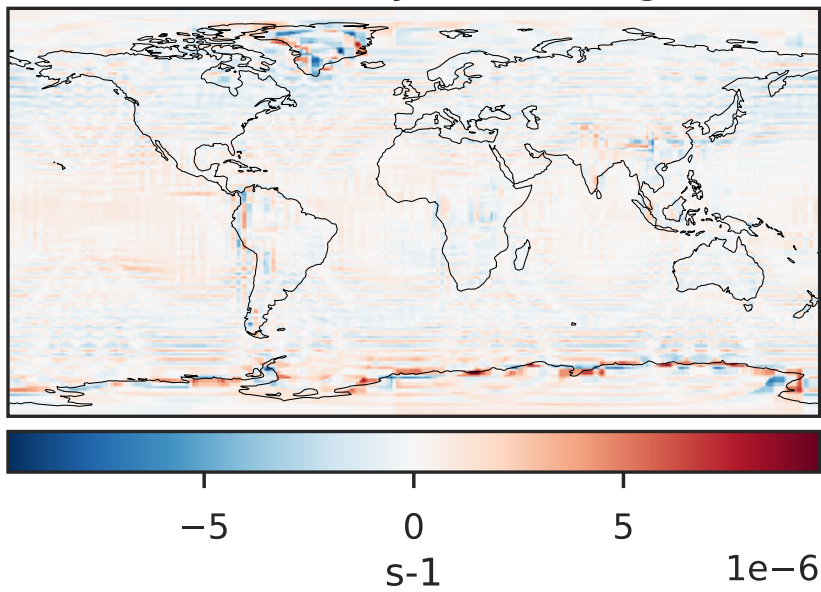
GCC\_14.2.0 (Ref)  
4.0x5.0



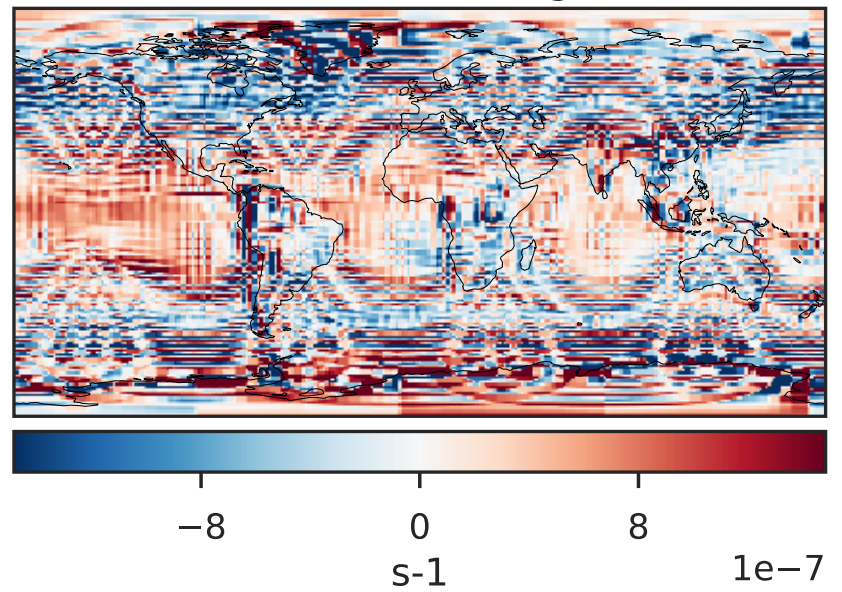
GCHP\_14.2.0 (Dev)  
c24



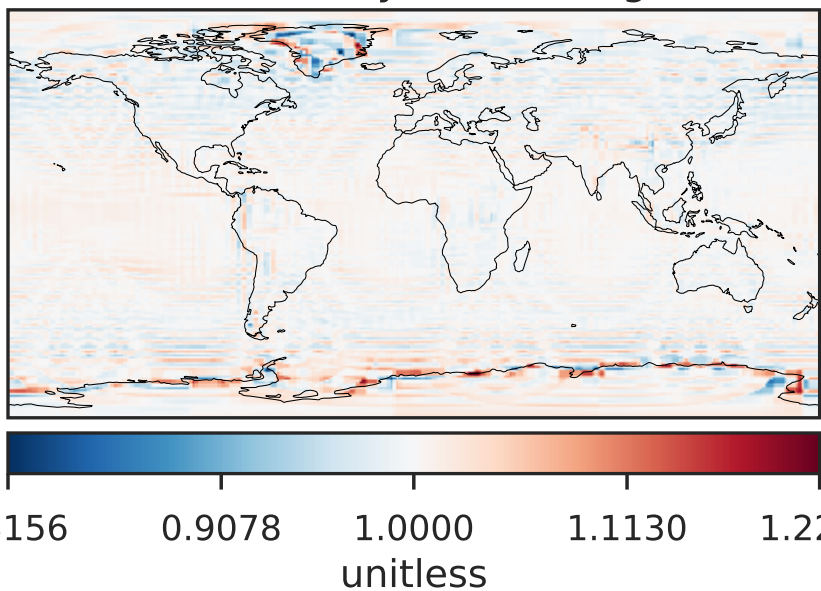
Difference (1x1.25)  
Dev - Ref, Dynamic Range



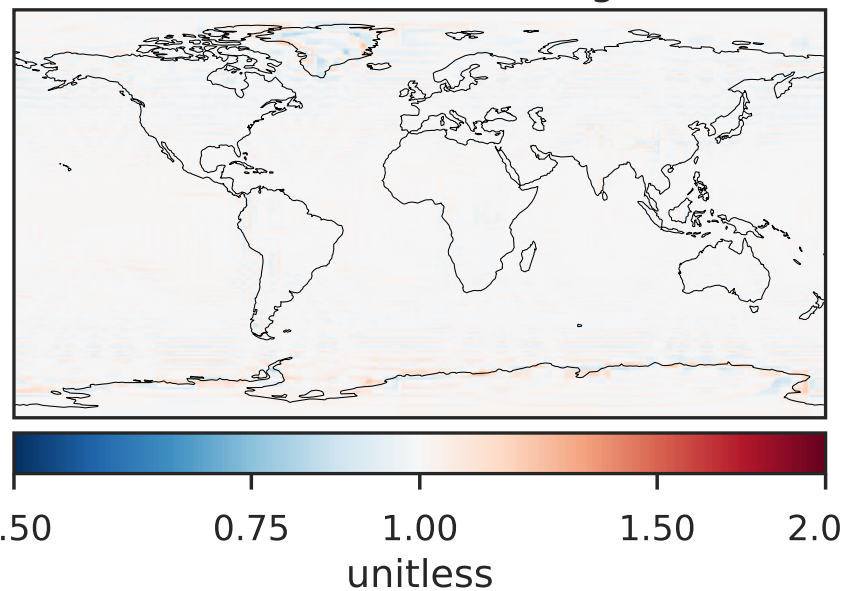
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)  
Dev/Ref, Dynamic Range

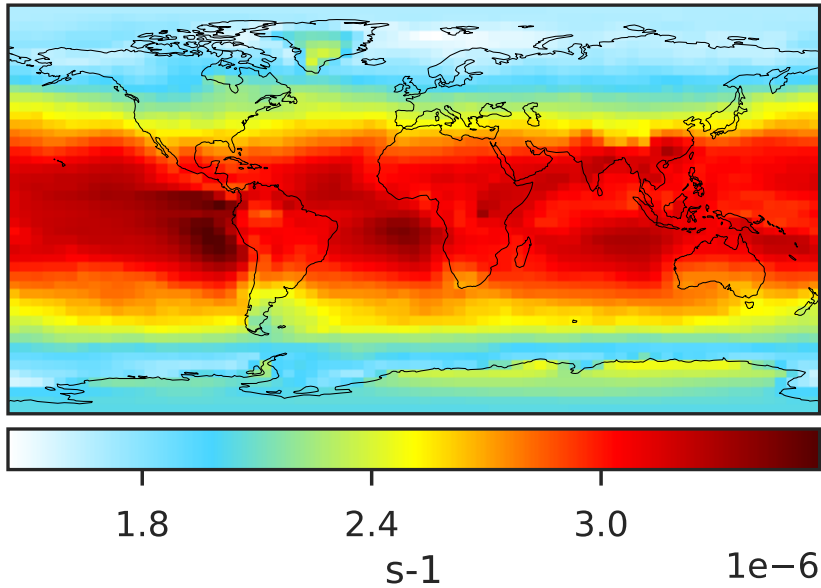


Ratio (1x1.25)  
Dev/Ref, Fixed Range

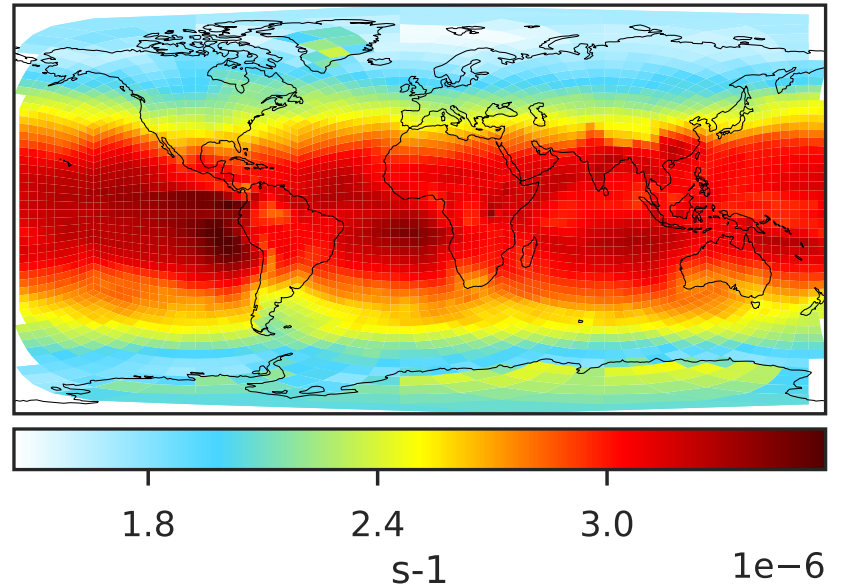


# Jval\_ETHP (AnnualMean)

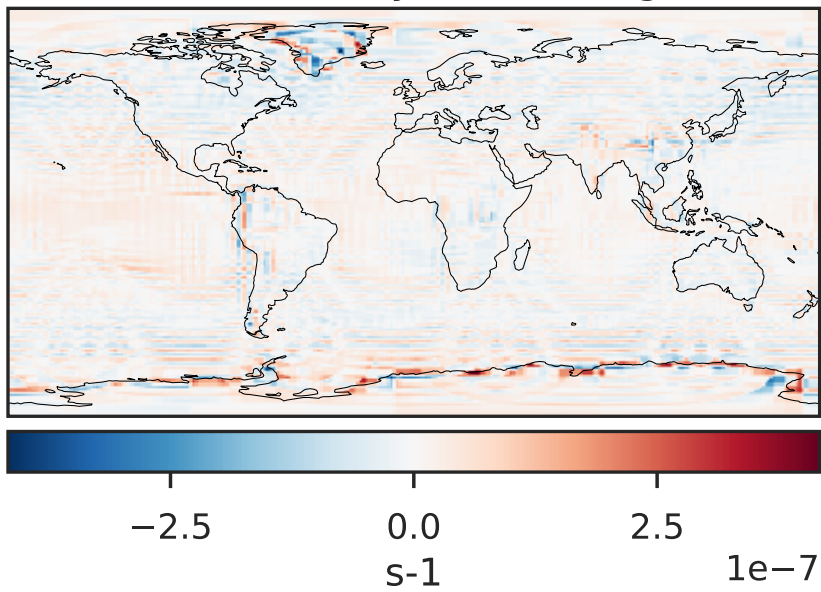
GCC\_14.2.0 (Ref)  
4.0x5.0



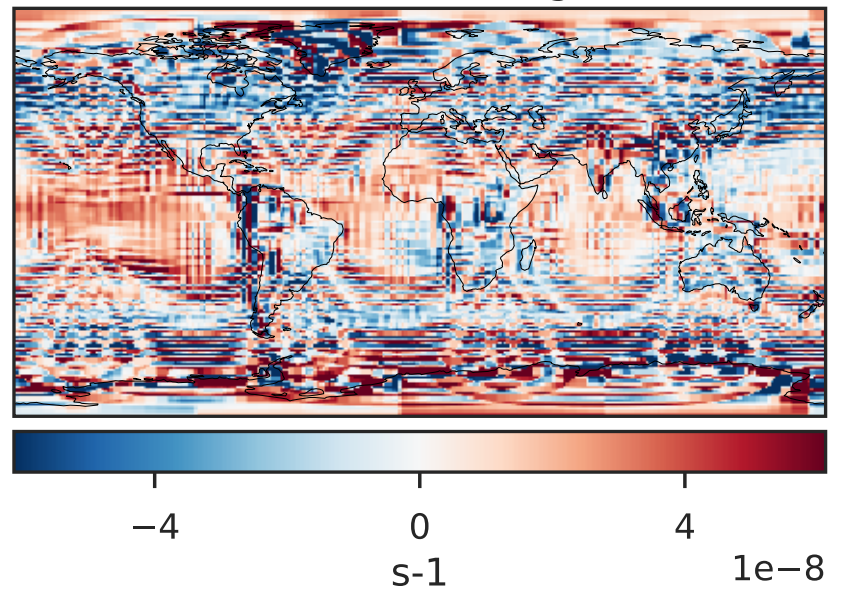
GCHP\_14.2.0 (Dev)  
c24



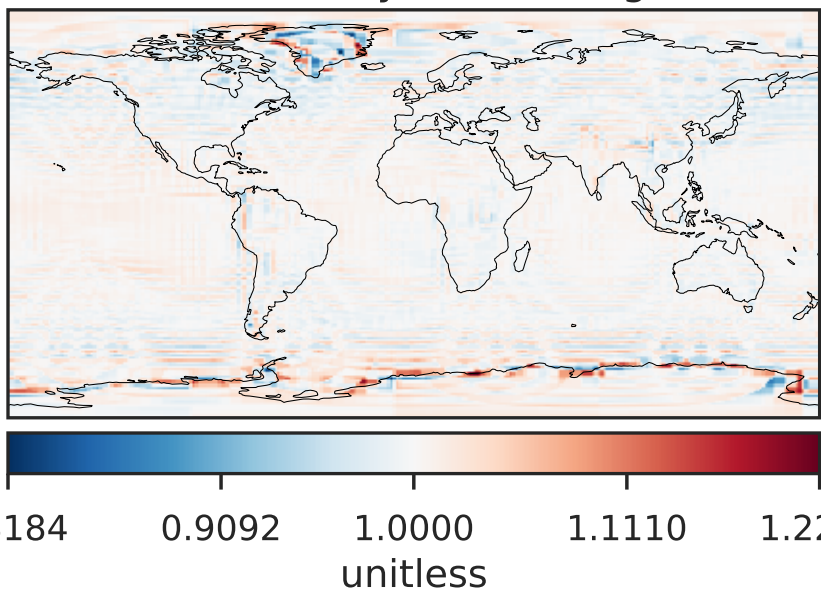
Difference (1x1.25)  
Dev - Ref, Dynamic Range



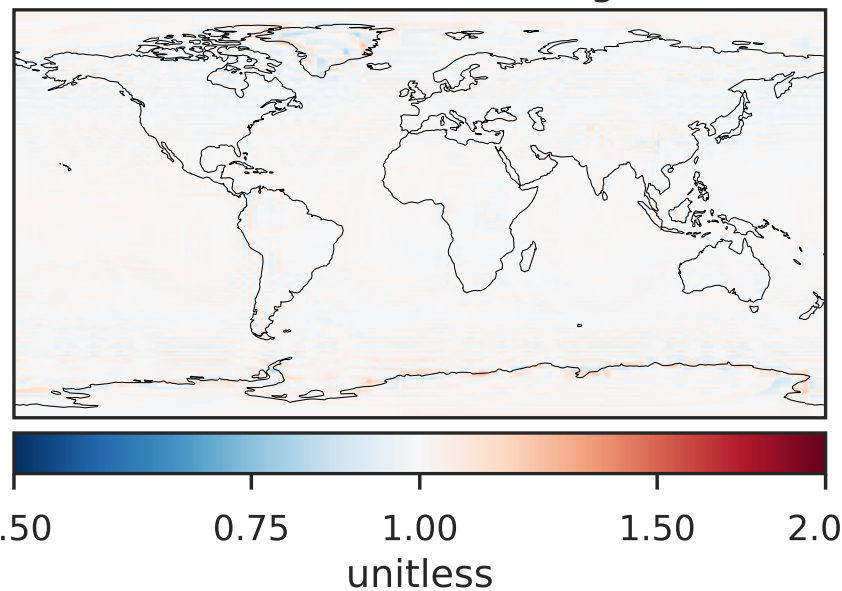
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)  
Dev/Ref, Dynamic Range

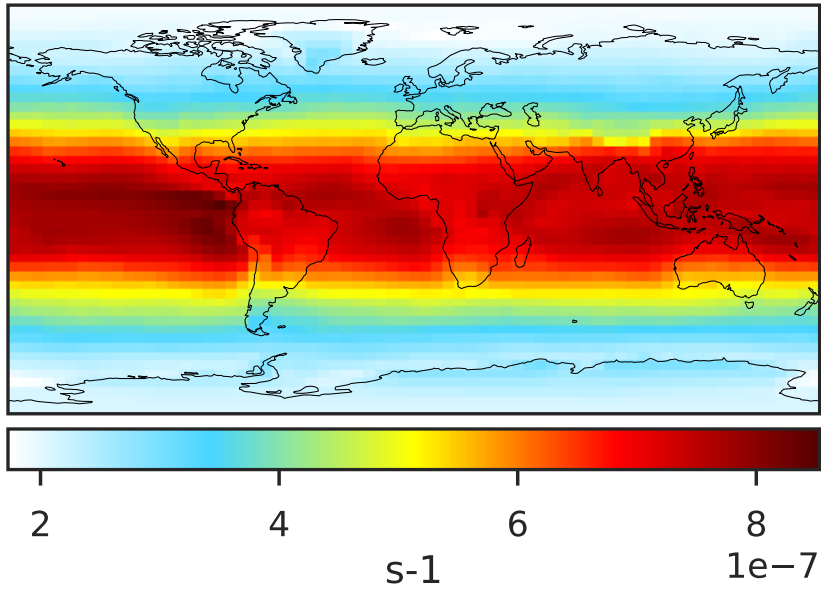


Ratio (1x1.25)  
Dev/Ref, Fixed Range

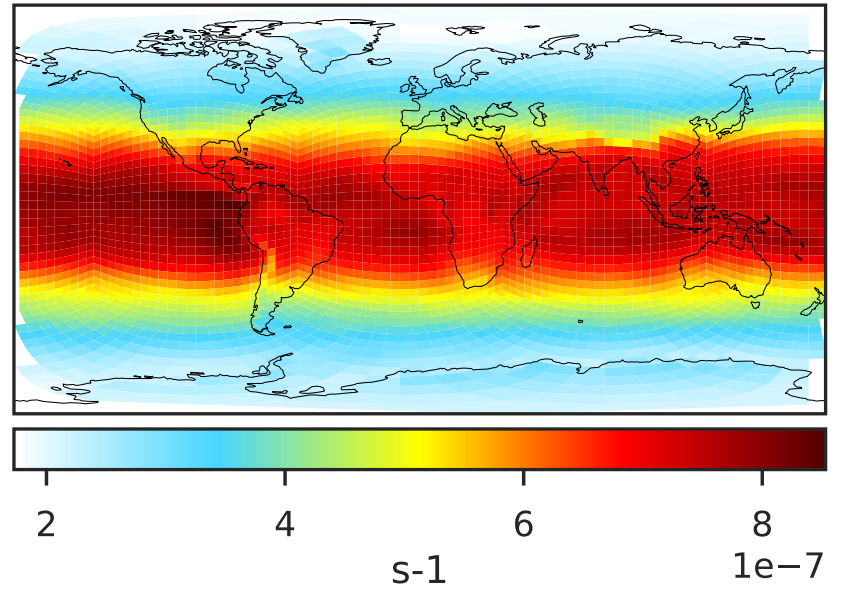


# Jval\_ETNO3 (AnnualMean)

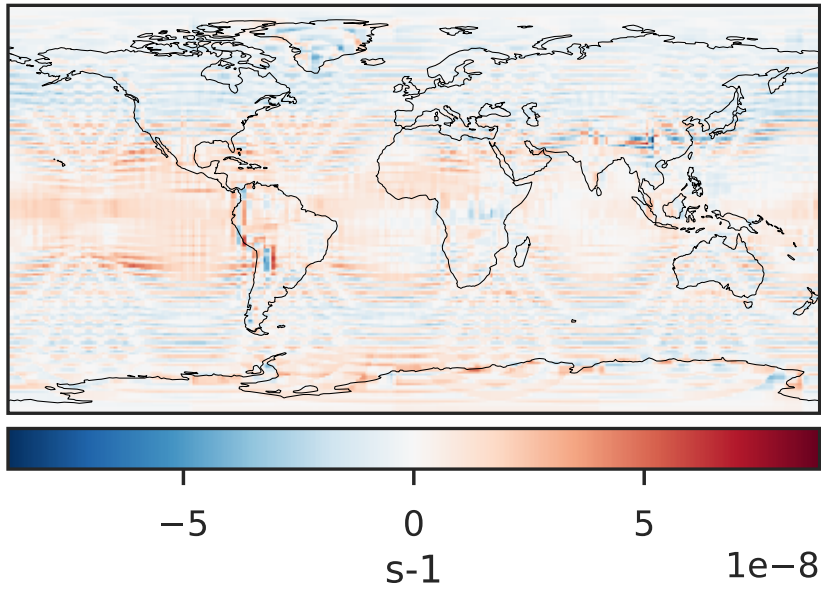
GCC\_14.2.0 (Ref)  
4.0x5.0



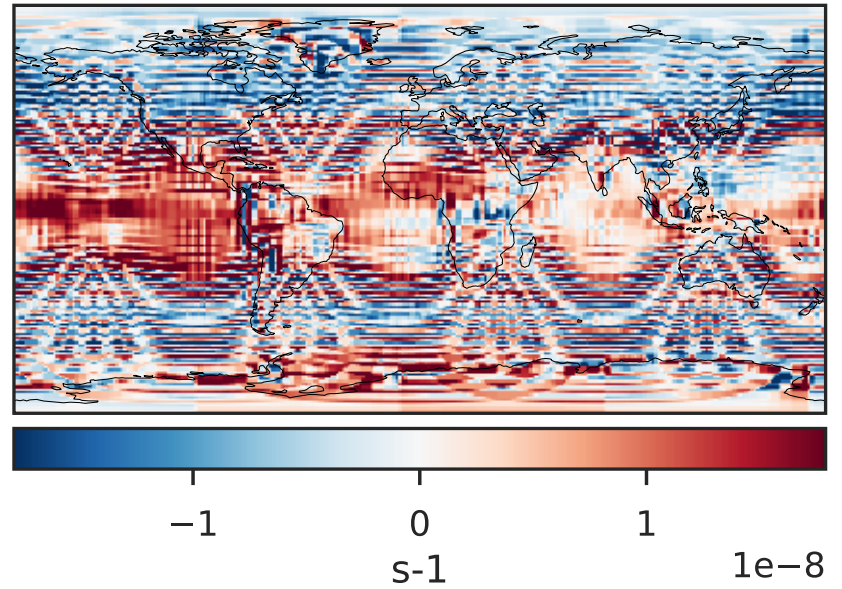
GCHP\_14.2.0 (Dev)  
c24



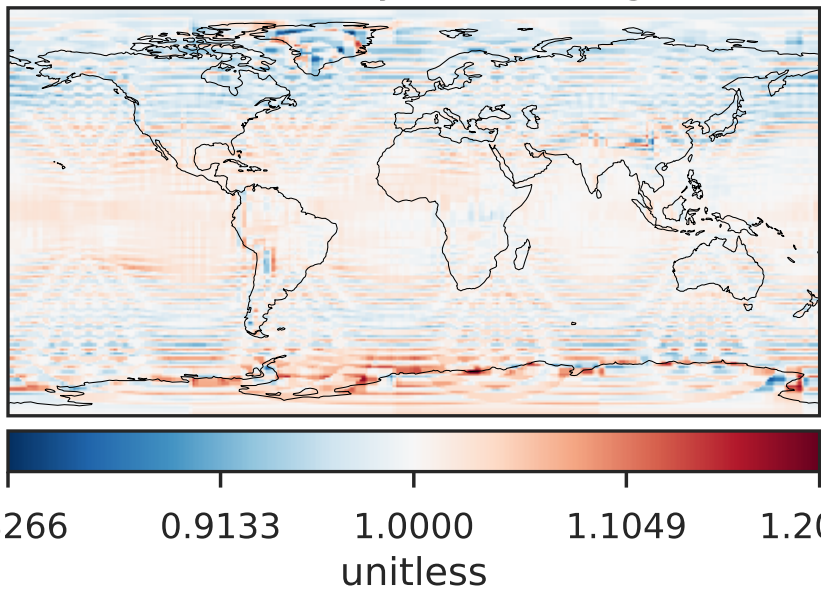
Difference (1x1.25)  
Dev - Ref, Dynamic Range



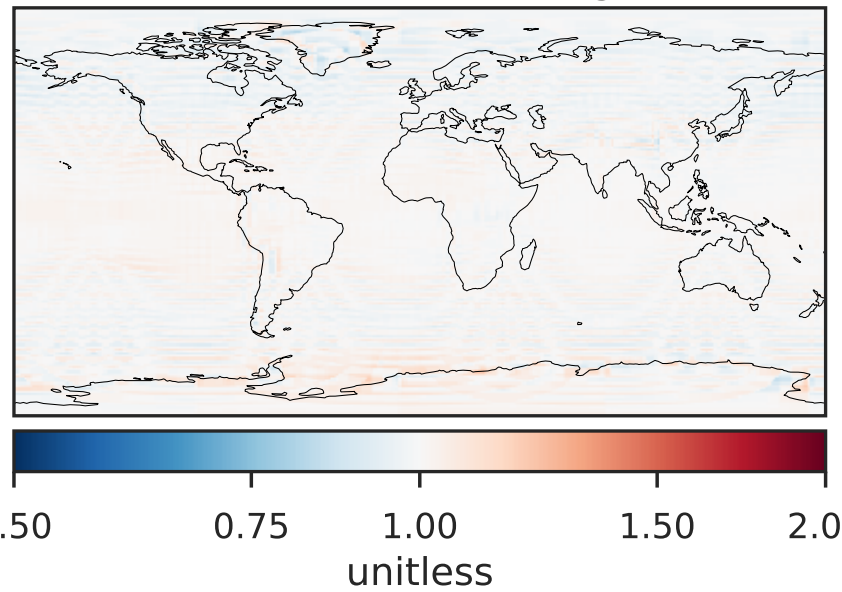
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)  
Dev/Ref, Dynamic Range



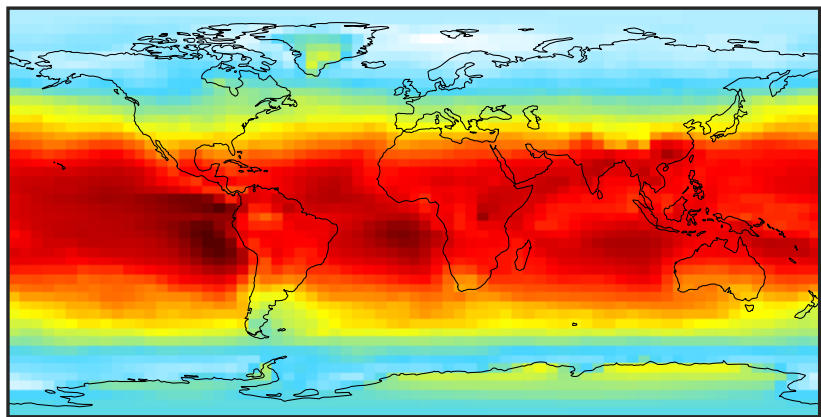
Ratio (1x1.25)  
Dev/Ref, Fixed Range





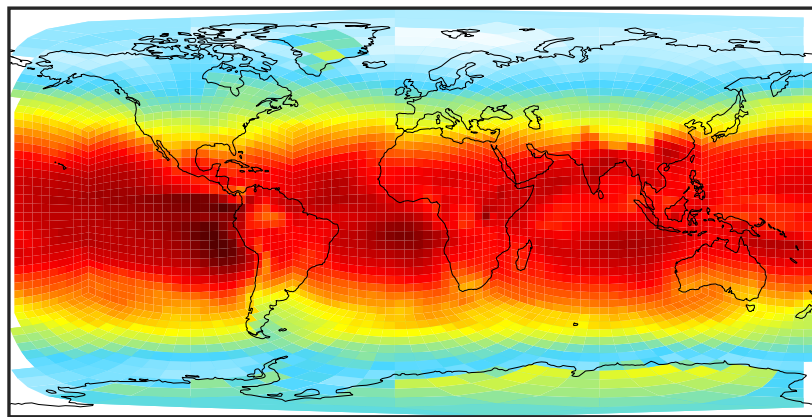
# Jval\_ETP (AnnualMean)

GCC\_14.2.0 (Ref)  
4.0x5.0



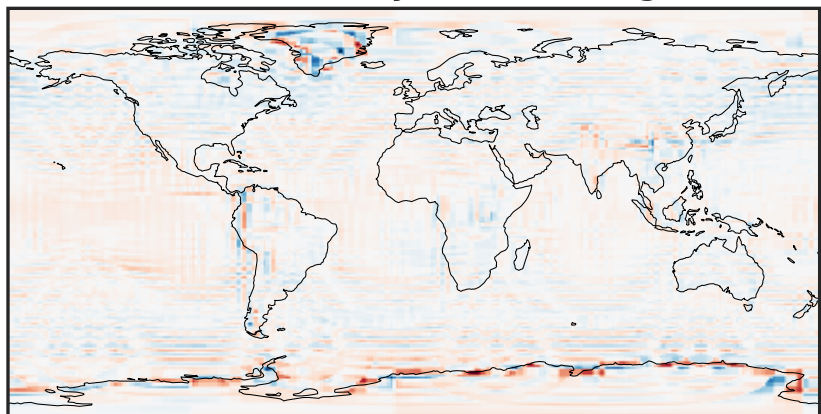
0.9 1.2 1.5  
s-1 1e-6

GCHP\_14.2.0 (Dev)  
c24



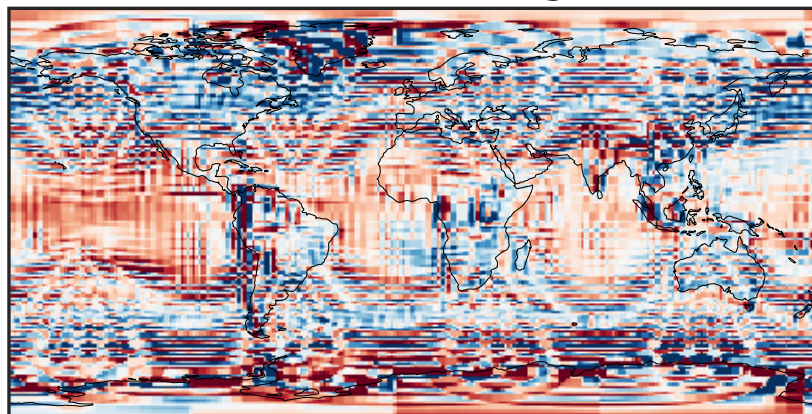
0.9 1.2 1.5  
s-1 1e-6

Difference (1x1.25)  
Dev - Ref, Dynamic Range



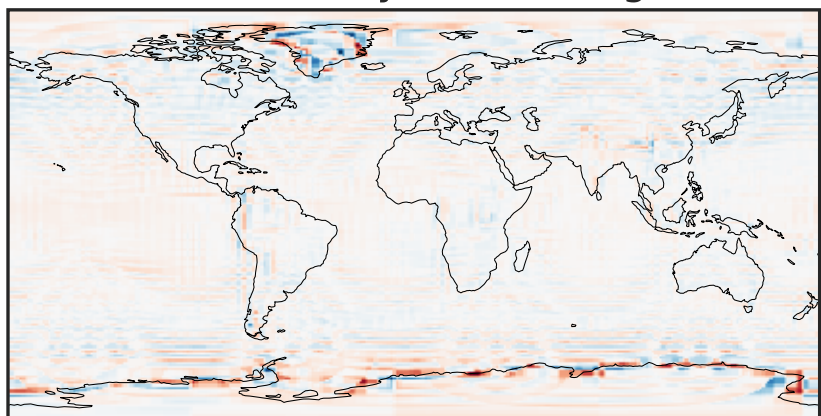
-1.5 0.0 1.5  
s-1 1e-7

Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



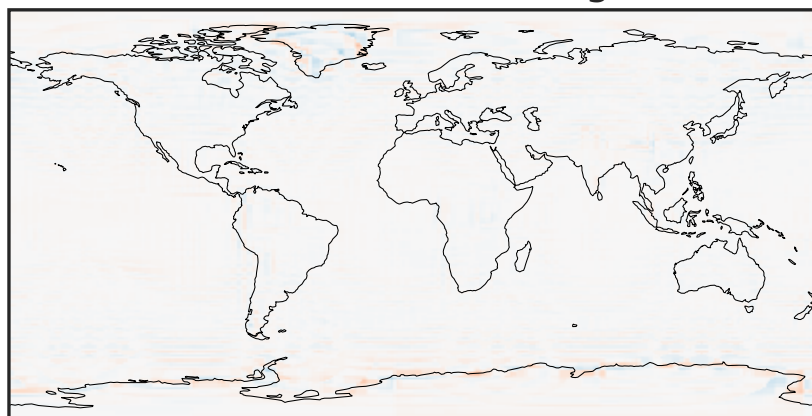
-2 0 2  
s-1 1e-8

Ratio (1x1.25)  
Dev/Ref, Dynamic Range



0.8184 0.9092 1.0000 1.1110 1.2219  
unitless

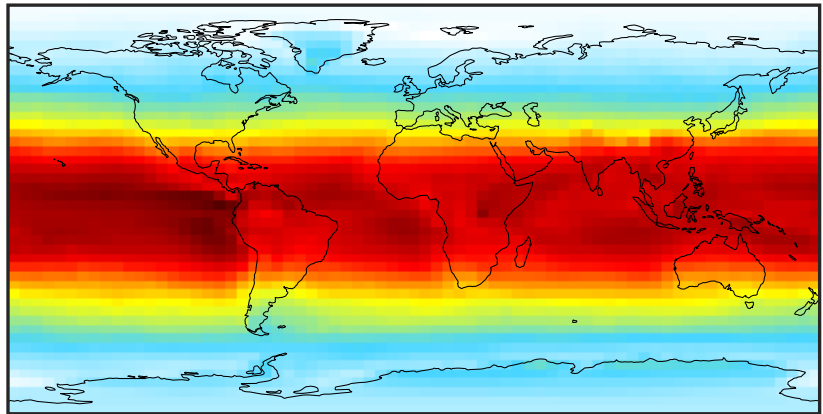
Ratio (1x1.25)  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

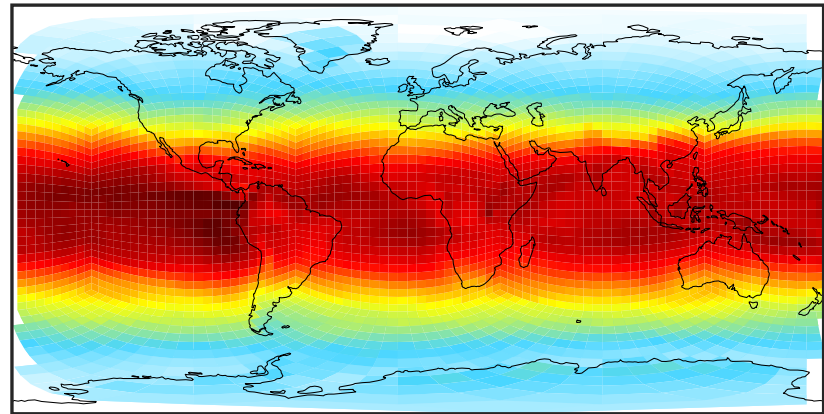
# Jval\_GLYC (AnnualMean)

GCC\_14.2.0 (Ref)  
4.0x5.0



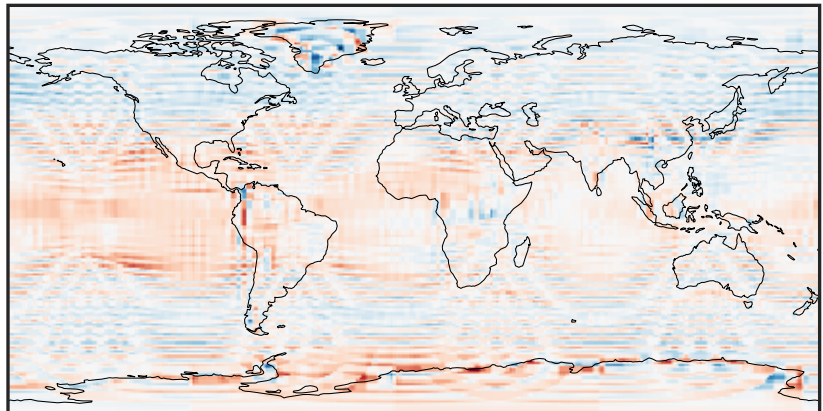
3.0 4.5 6.0 7.5  
s-1  $1e-6$

GCHP\_14.2.0 (Dev)  
c24



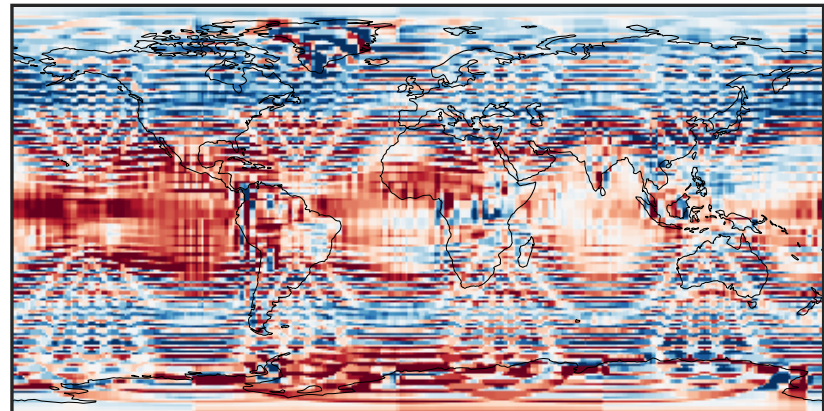
3.0 4.5 6.0 7.5  
s-1  $1e-6$

Difference (1x1.25)  
Dev - Ref, Dynamic Range



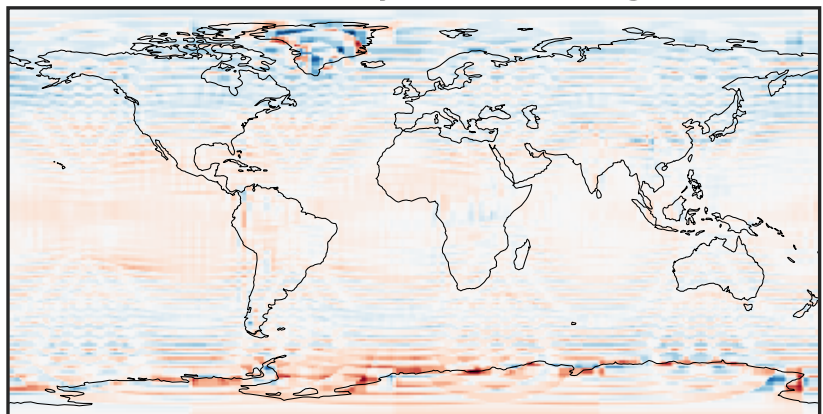
-4 0 4  
s-1  $1e-7$

Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



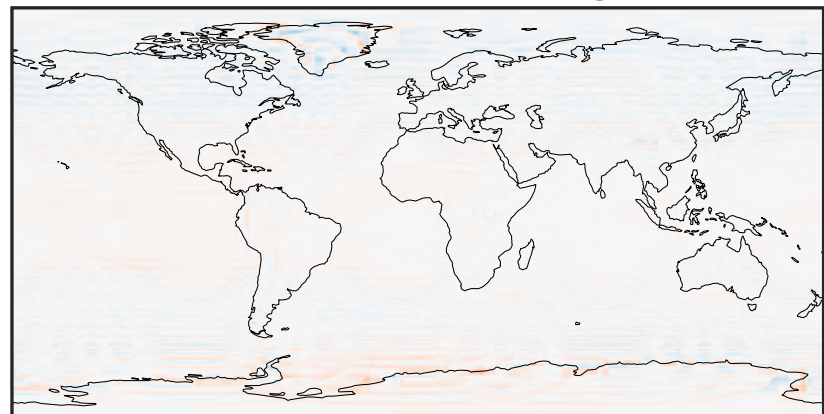
-1 0 1  
s-1  $1e-7$

Ratio (1x1.25)  
Dev/Ref, Dynamic Range



0.8135 0.9068 1.0000 1.1146 1.2292  
unitless

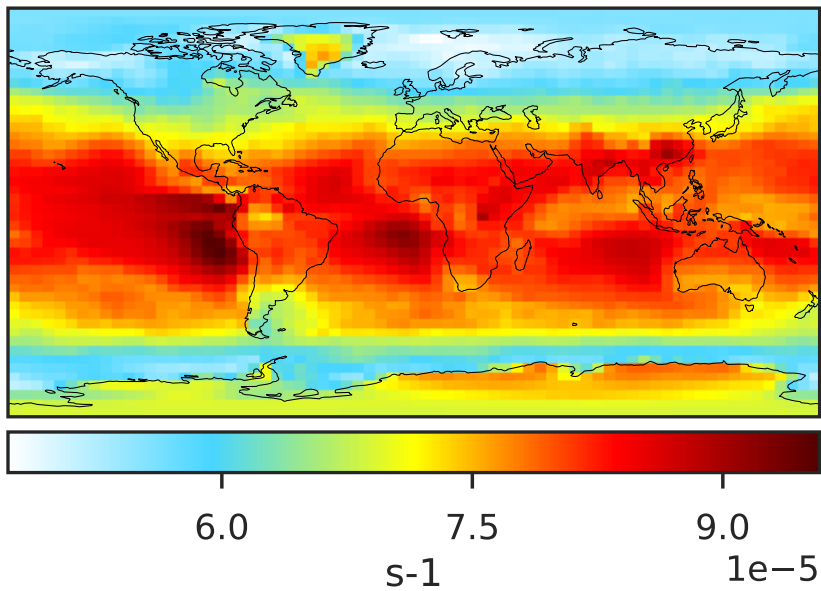
Ratio (1x1.25)  
Dev/Ref, Fixed Range



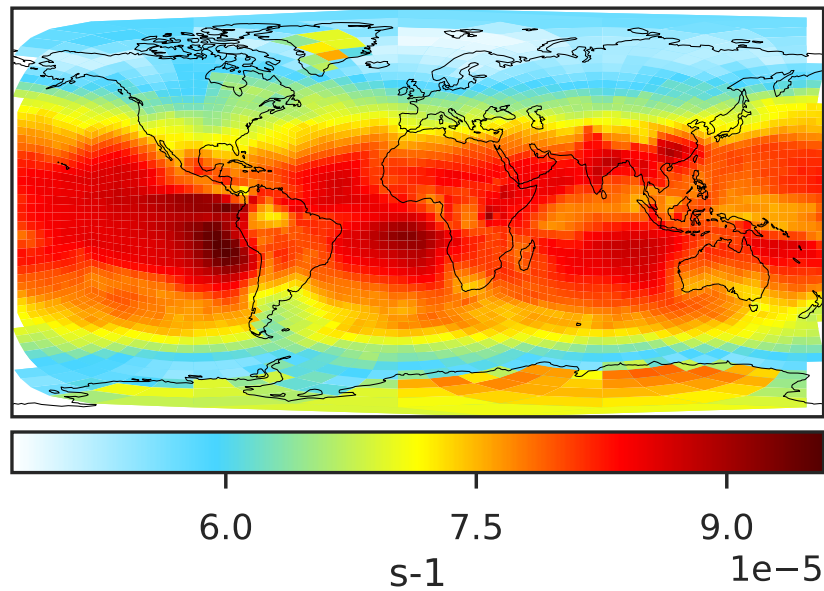
0.50 0.75 1.00 1.50 2.00  
unitless

# Jval\_GLYX (AnnualMean)

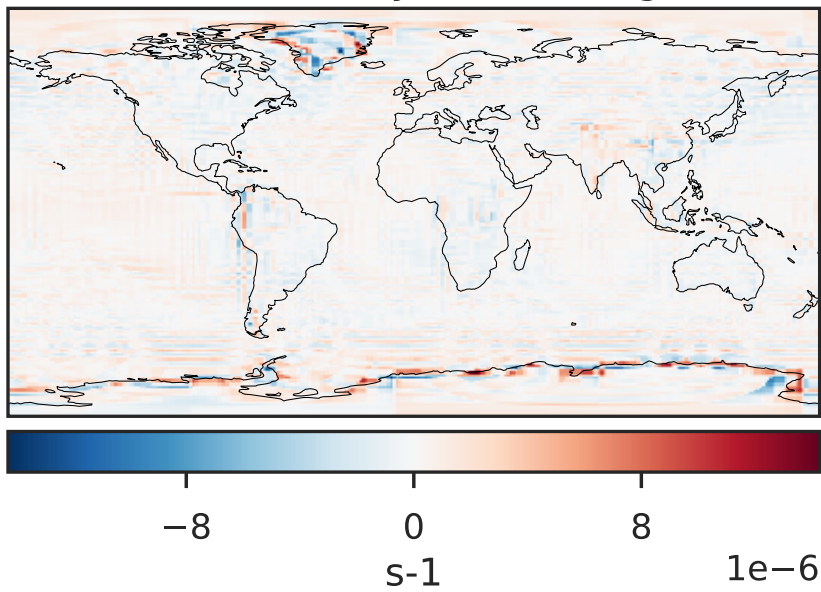
GCC\_14.2.0 (Ref)  
4.0x5.0



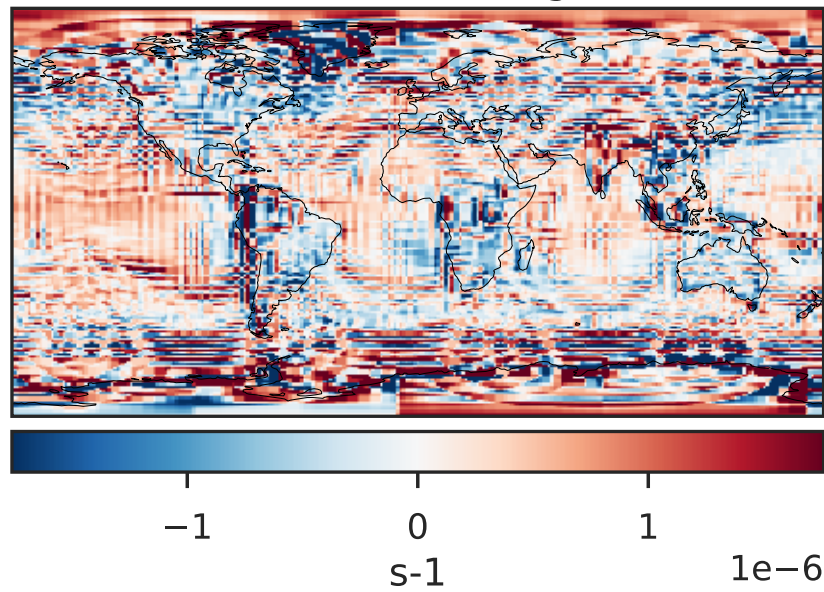
GCHP\_14.2.0 (Dev)  
c24



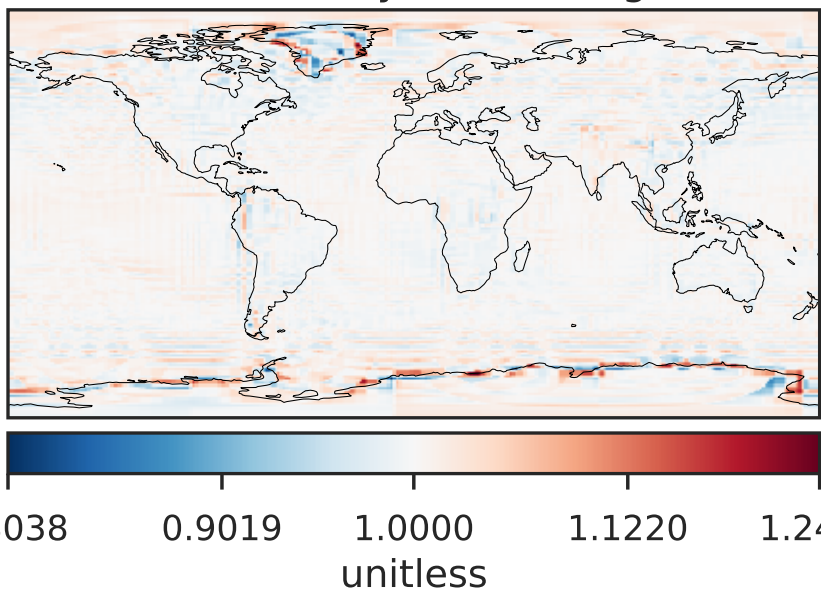
Difference (1x1.25)  
Dev - Ref, Dynamic Range



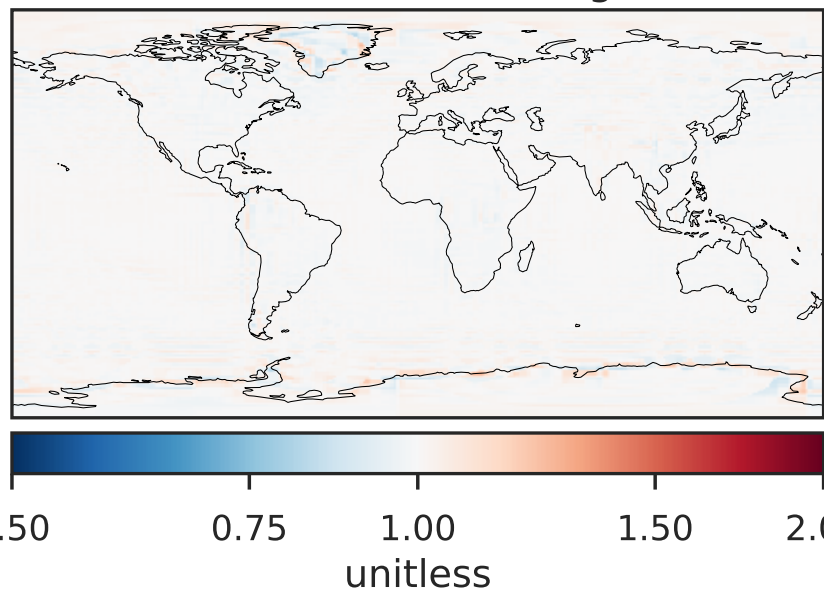
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)  
Dev/Ref, Dynamic Range

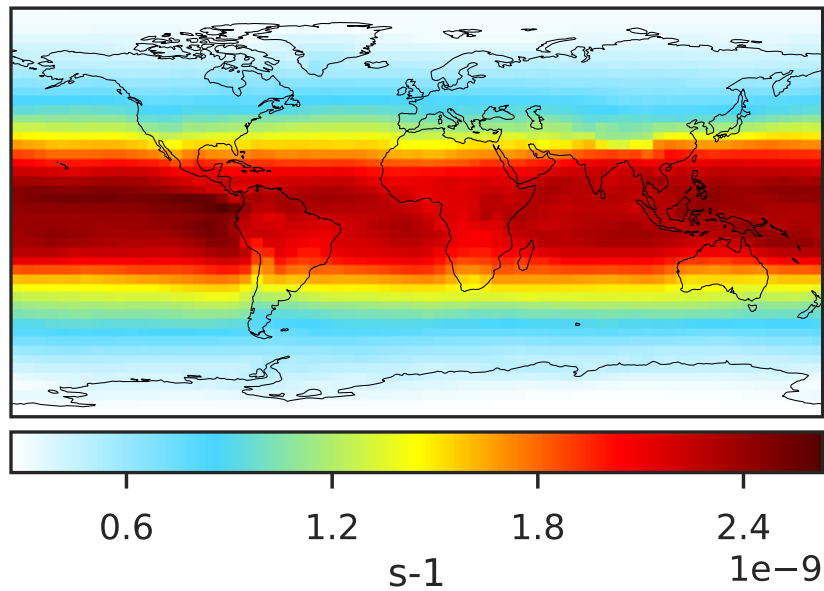


Ratio (1x1.25)  
Dev/Ref, Fixed Range

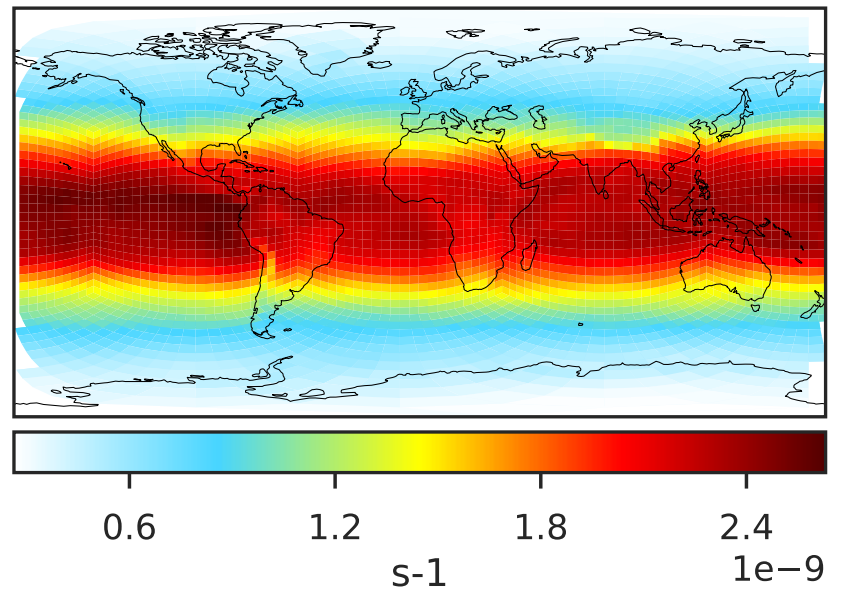


# Jval\_H1211 (AnnualMean)

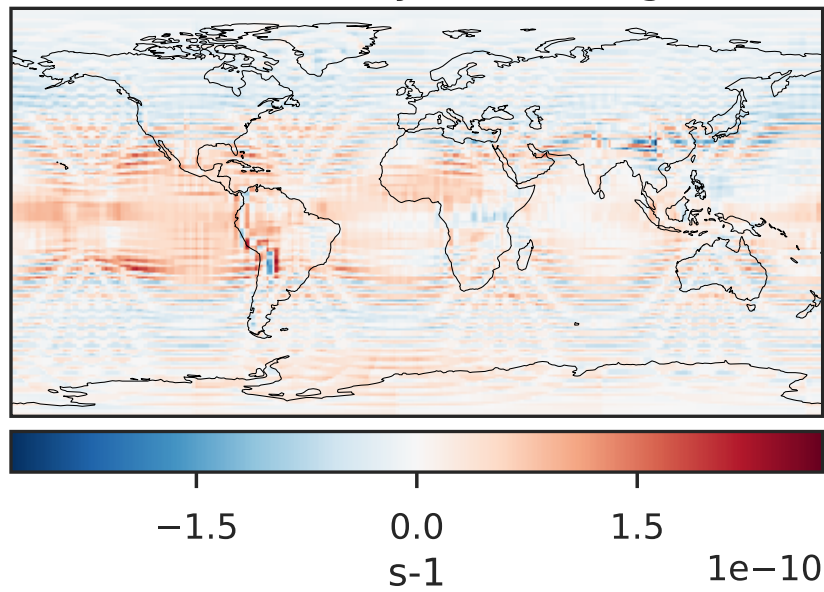
GCC\_14.2.0 (Ref)  
4.0x5.0



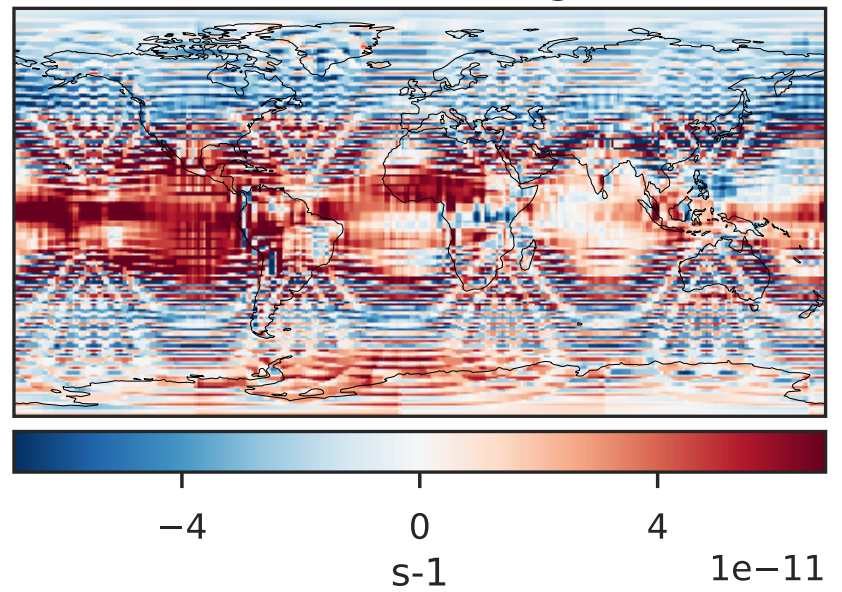
GCHP\_14.2.0 (Dev)  
c24



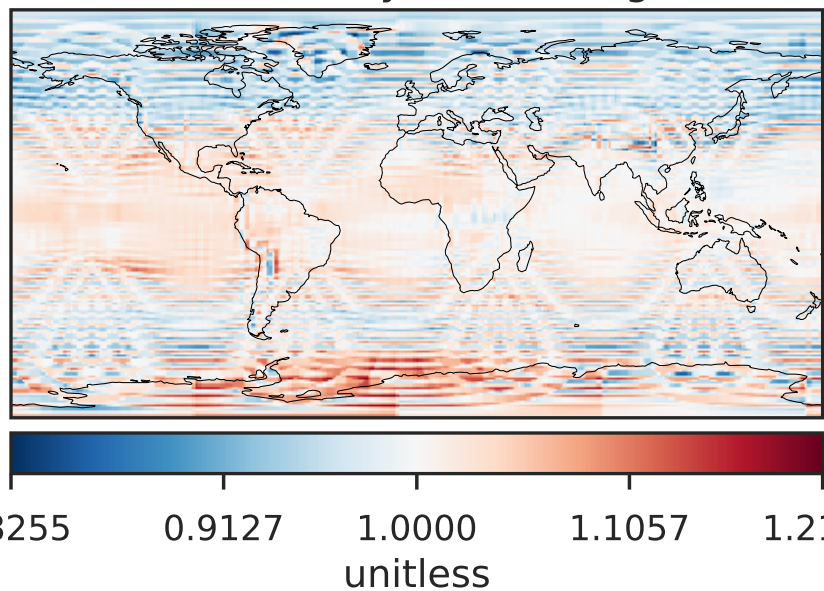
Difference (1x1.25)  
Dev - Ref, Dynamic Range



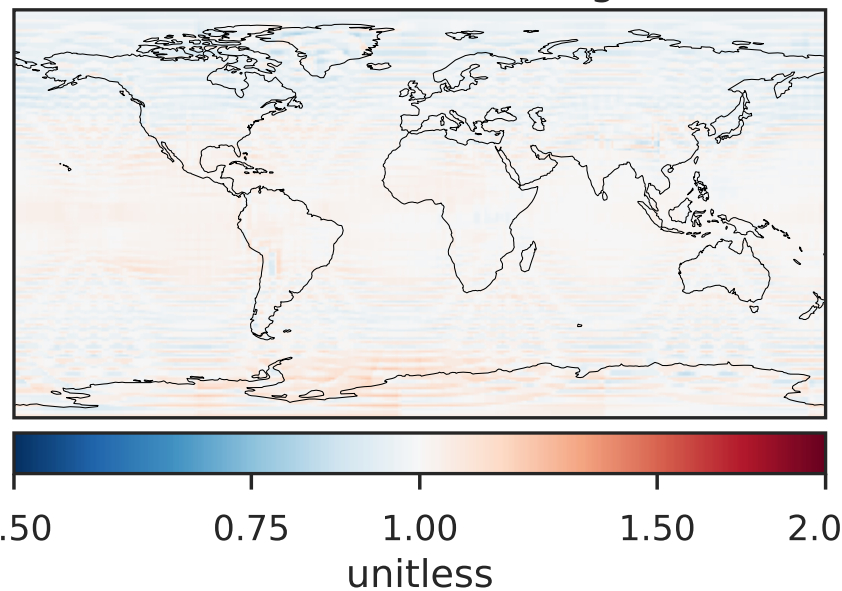
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)  
Dev/Ref, Dynamic Range

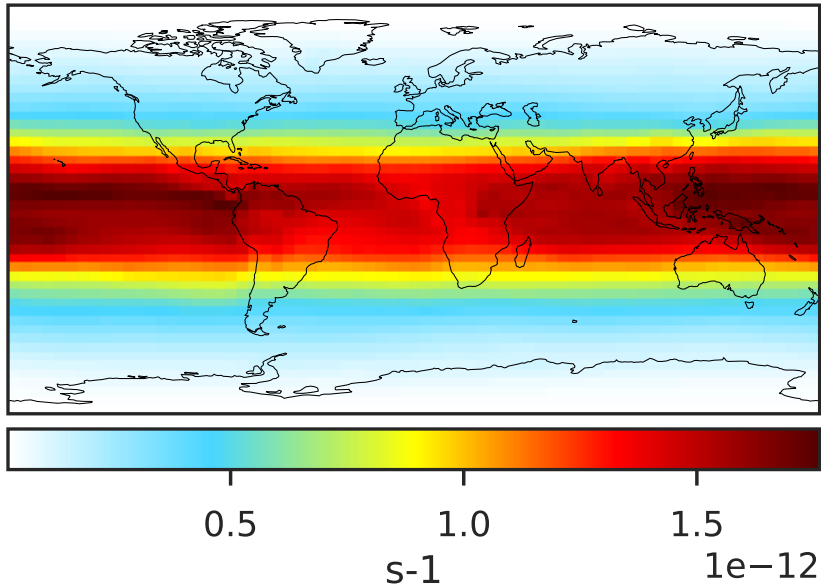


Ratio (1x1.25)  
Dev/Ref, Fixed Range

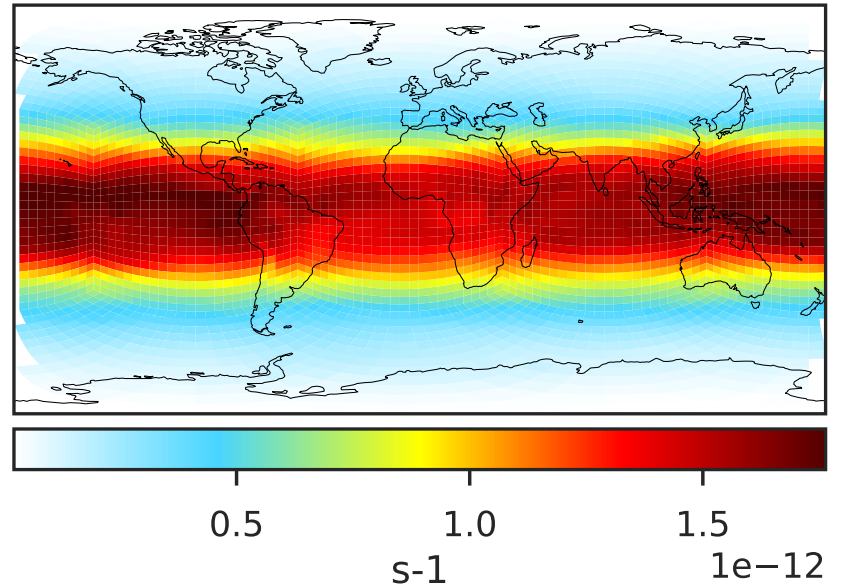


# Jval\_H1301 (AnnualMean)

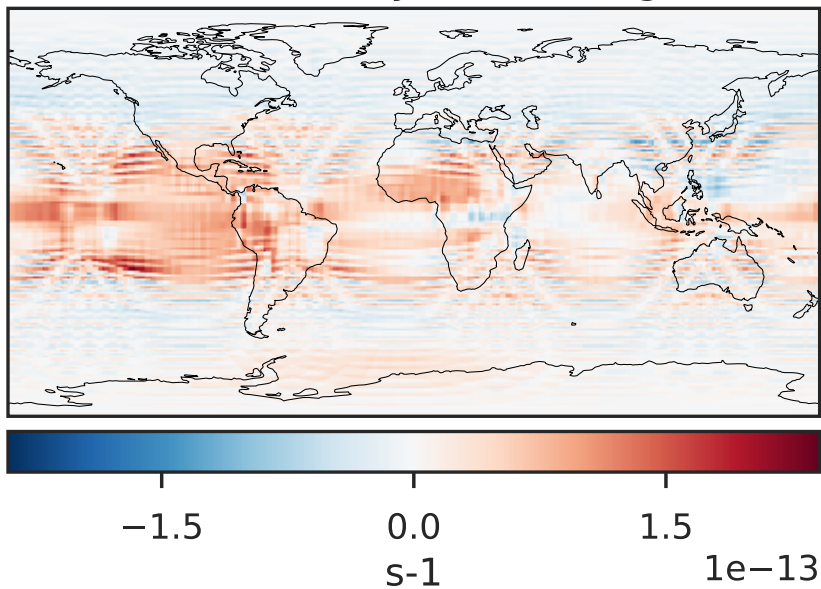
GCC\_14.2.0 (Ref)  
4.0x5.0



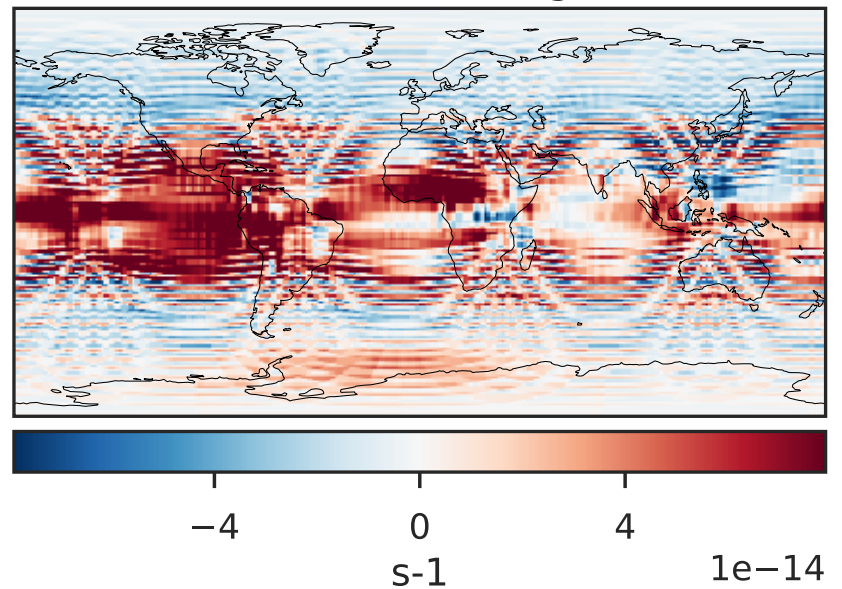
GCHP\_14.2.0 (Dev)  
c24



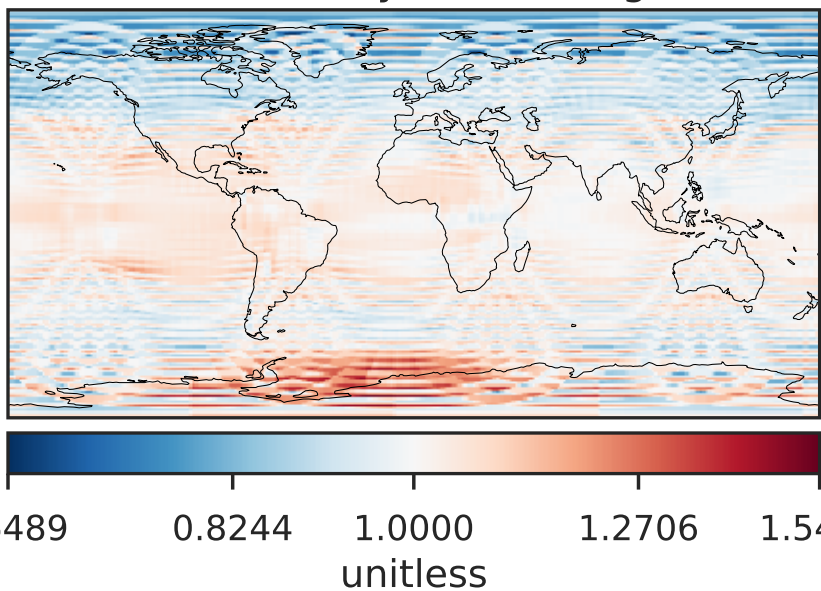
Difference (1x1.25)  
Dev - Ref, Dynamic Range



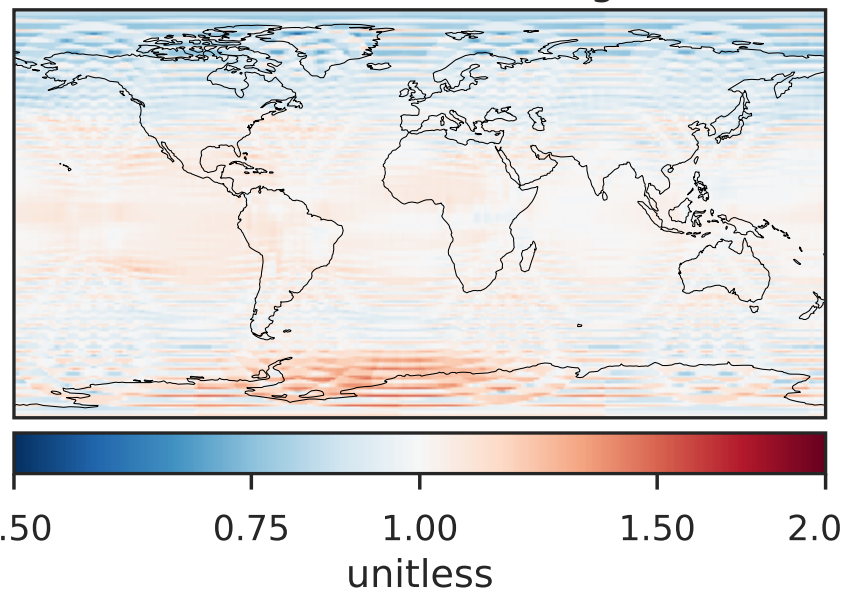
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)  
Dev/Ref, Dynamic Range

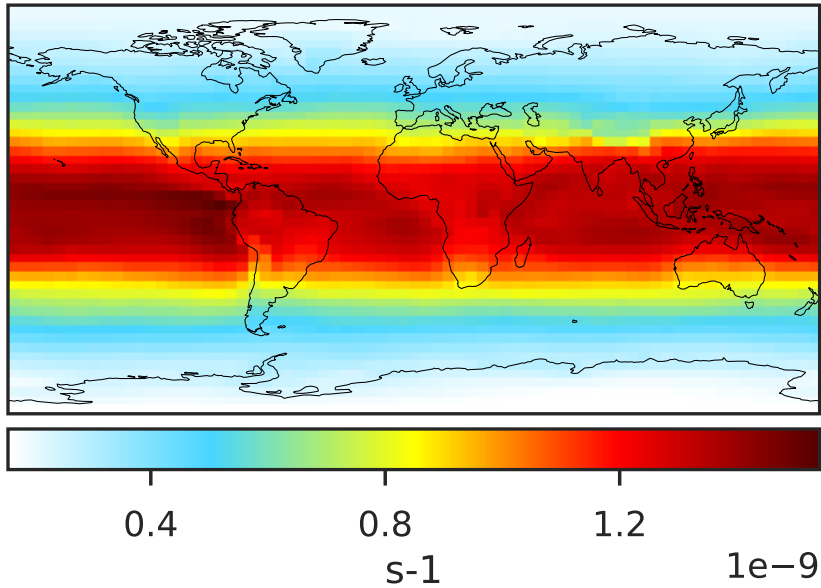


Ratio (1x1.25)  
Dev/Ref, Fixed Range

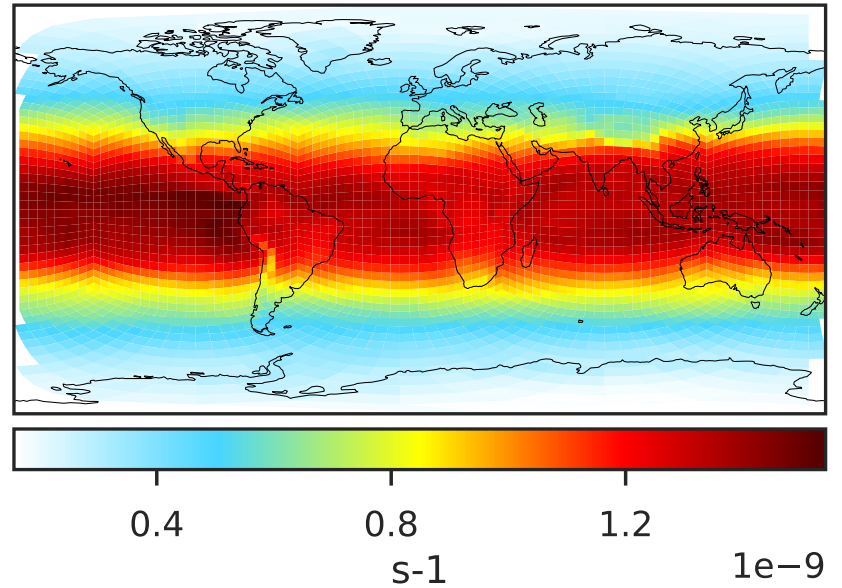


# Jval\_H2402 (AnnualMean)

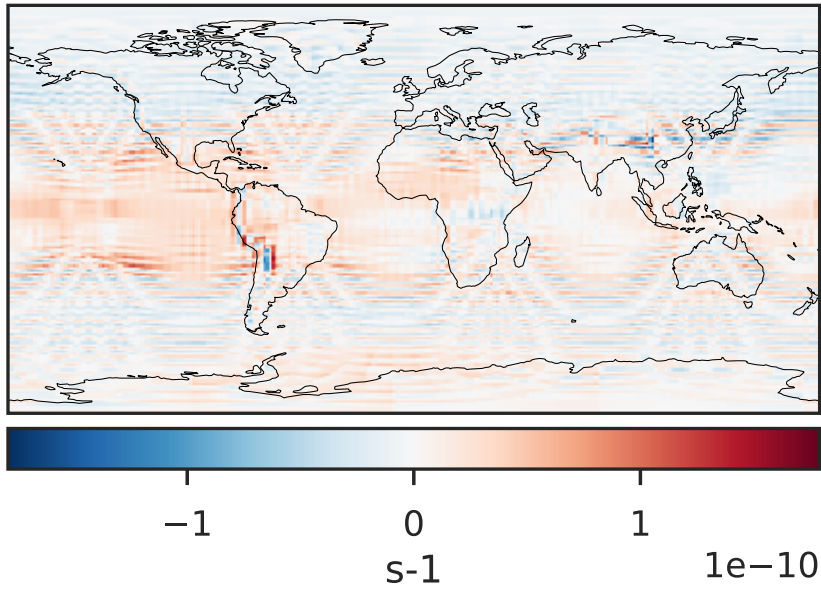
GCC\_14.2.0 (Ref)  
4.0x5.0



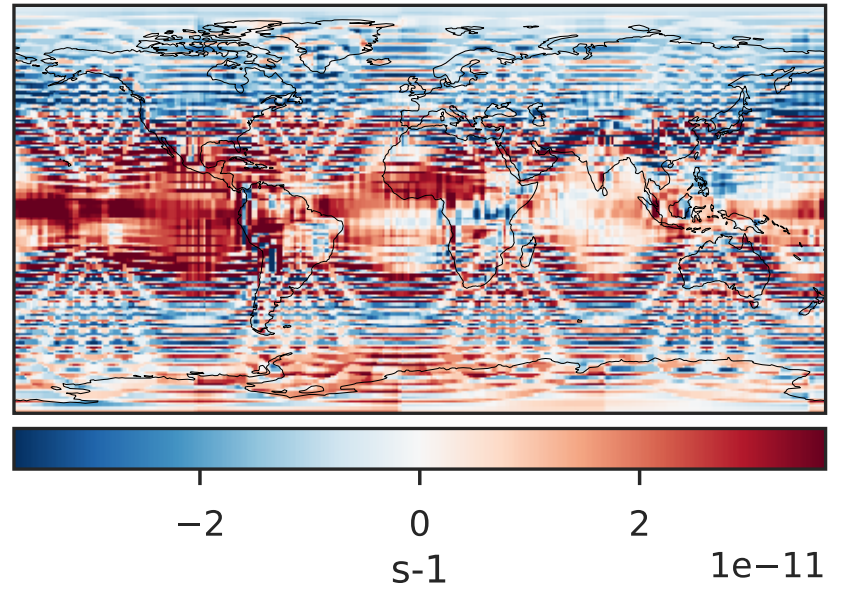
GCHP\_14.2.0 (Dev)  
c24



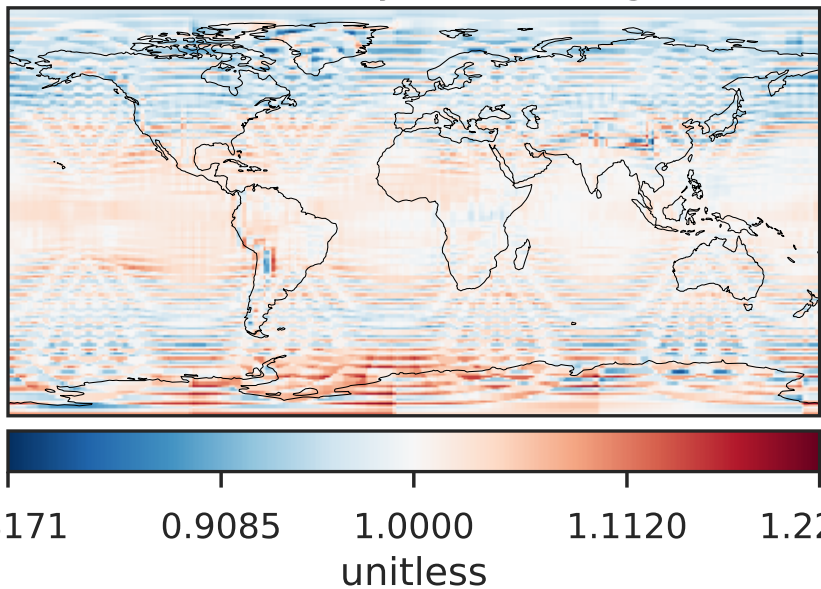
Difference (1x1.25)  
Dev - Ref, Dynamic Range



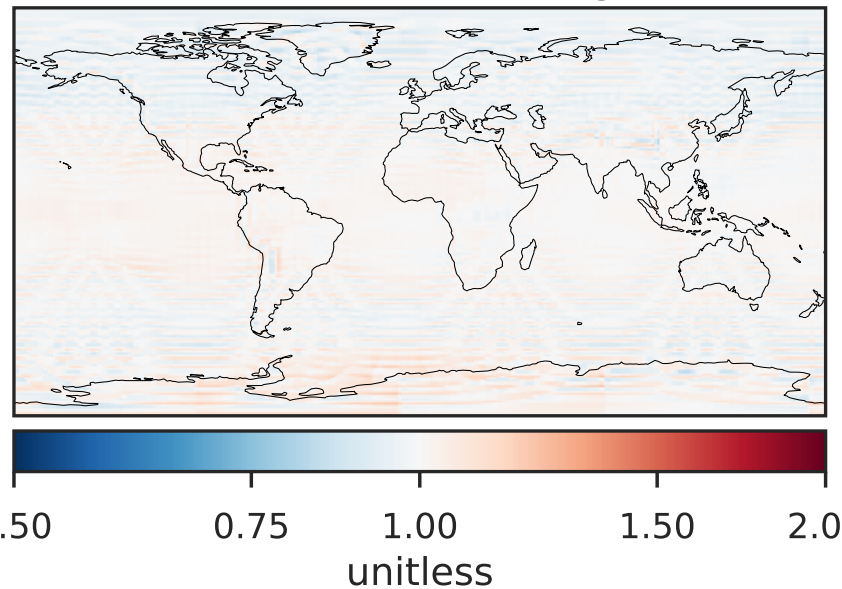
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)  
Dev/Ref, Dynamic Range

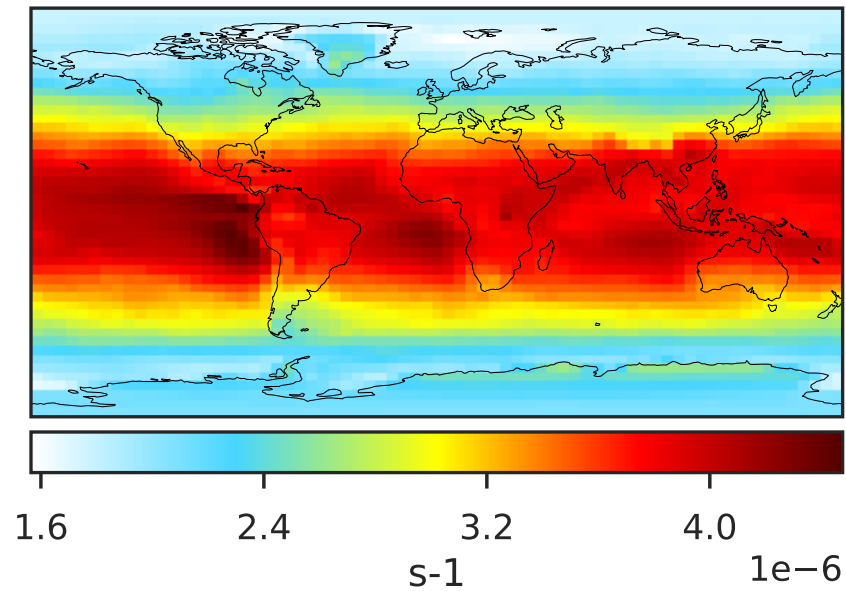


Ratio (1x1.25)  
Dev/Ref, Fixed Range

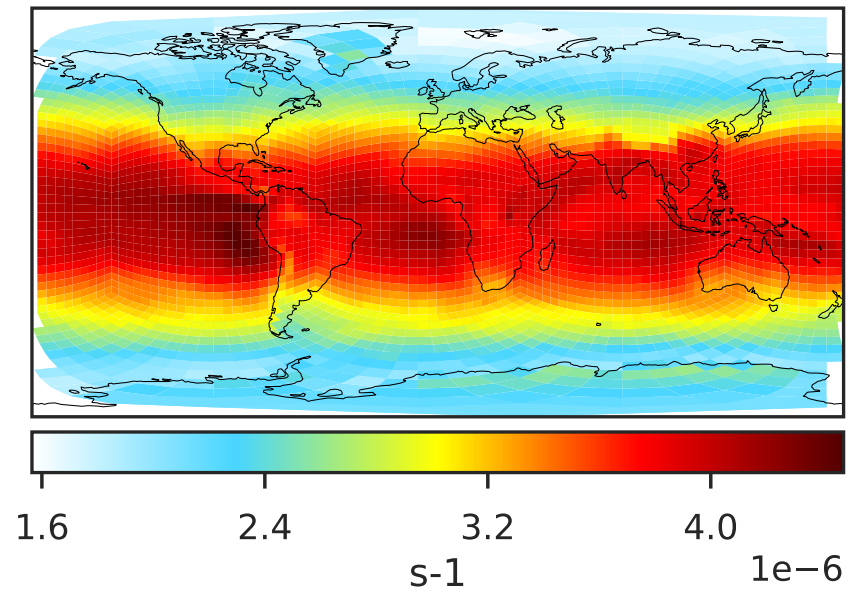


# Jval\_H2O2 (AnnualMean)

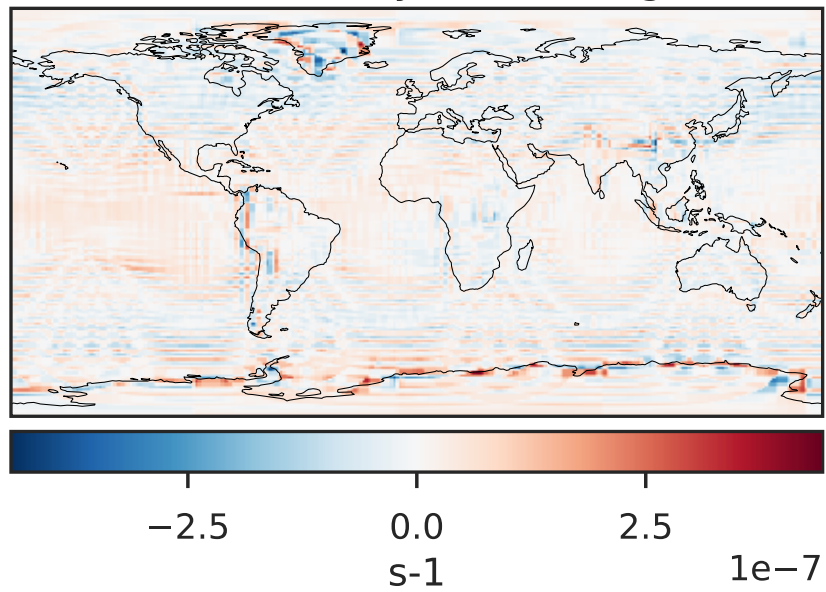
GCC\_14.2.0 (Ref)  
4.0x5.0



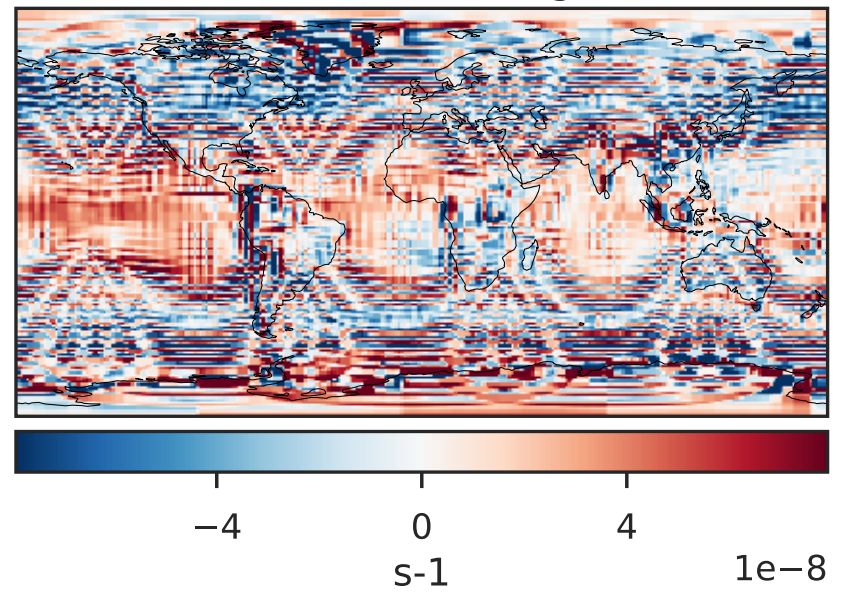
GCHP\_14.2.0 (Dev)  
c24



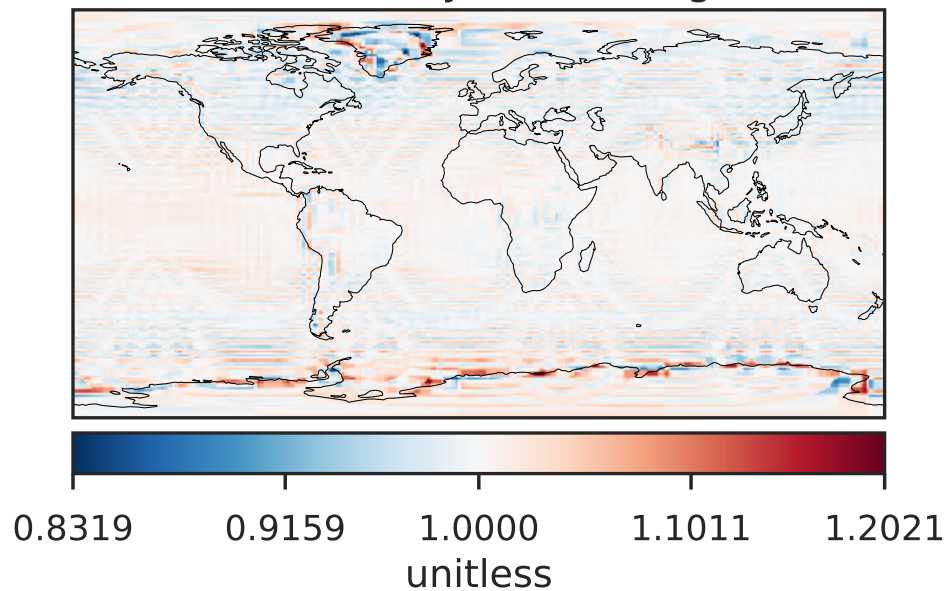
Difference (1x1.25)  
Dev - Ref, Dynamic Range



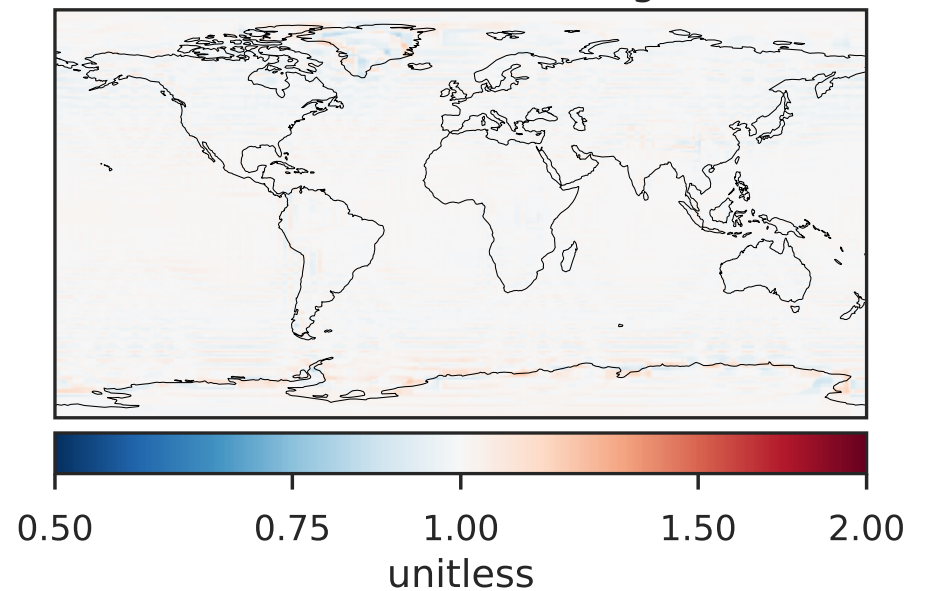
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)  
Dev/Ref, Dynamic Range

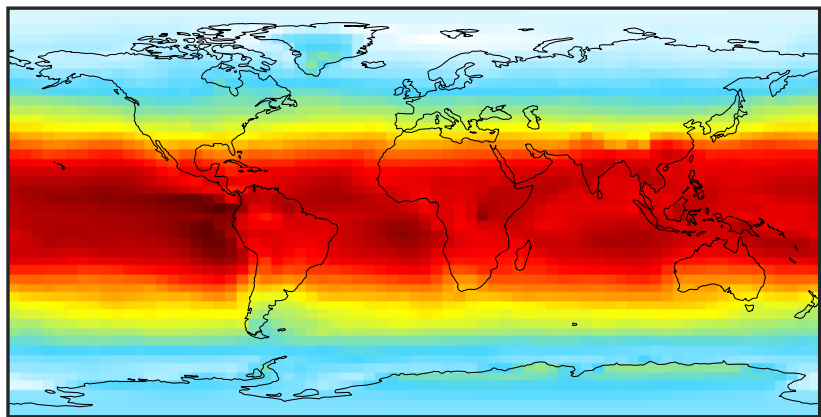


Ratio (1x1.25)  
Dev/Ref, Fixed Range



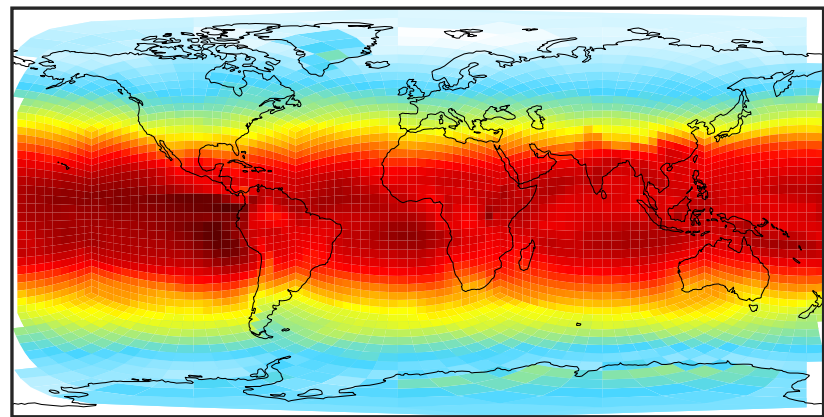
# Jval\_HAC (AnnualMean)

GCC\_14.2.0 (Ref)  
4.0x5.0



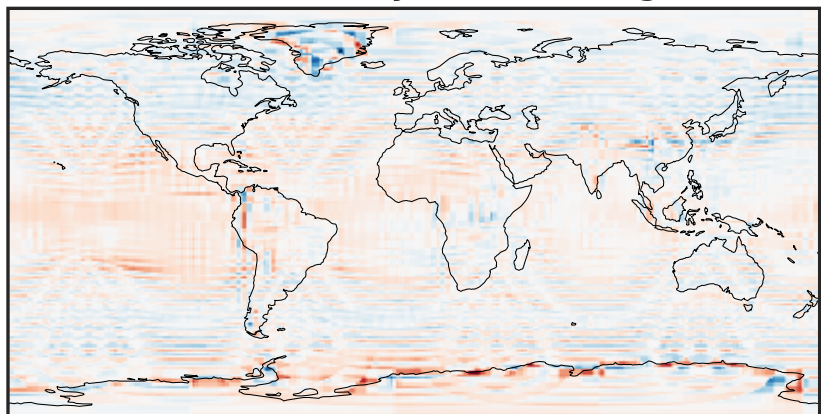
0.50 0.75 1.00 1.25  
s-1  $1e-6$

GCHP\_14.2.0 (Dev)  
c24



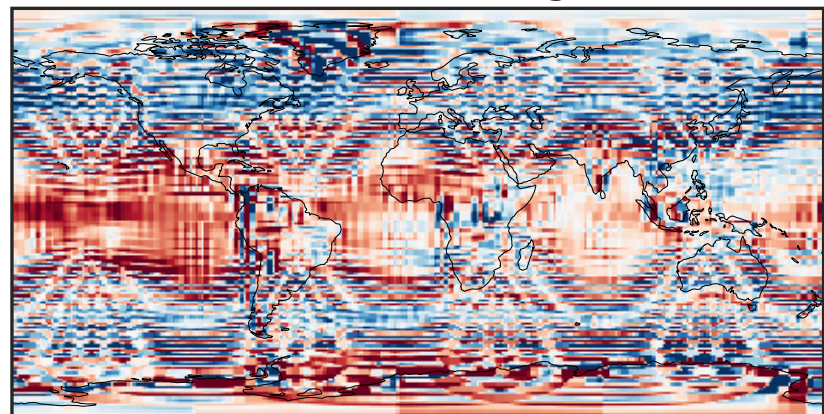
0.50 0.75 1.00 1.25  
s-1  $1e-6$

Difference (1x1.25)  
Dev - Ref, Dynamic Range



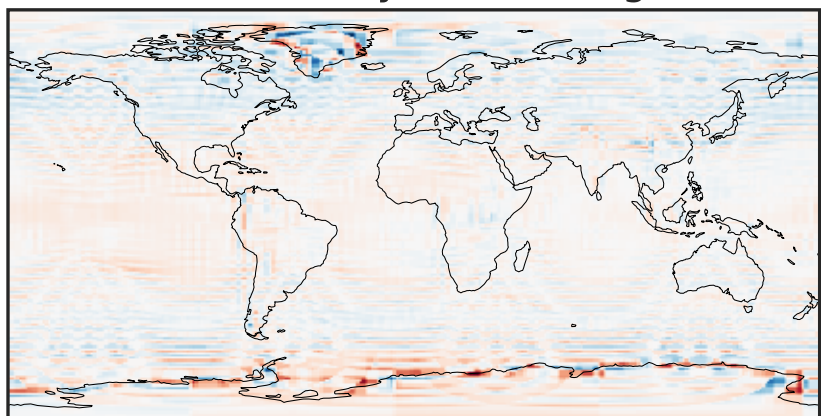
-8 0 8  
s-1  $1e-8$

Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



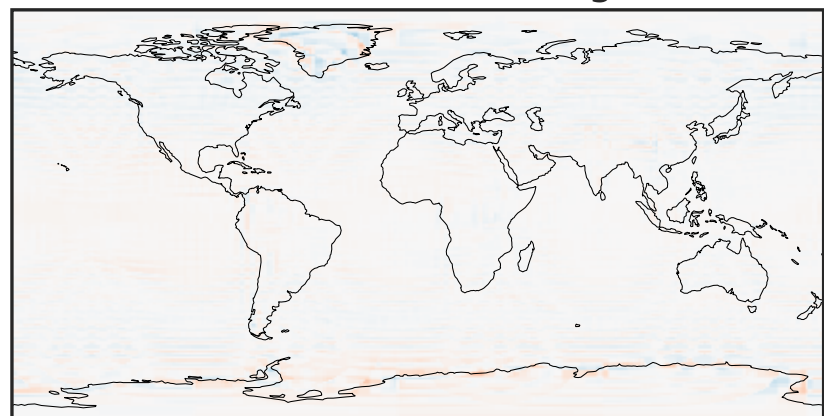
-1.5 0.0 1.5  
s-1  $1e-8$

Ratio (1x1.25)  
Dev/Ref, Dynamic Range



0.8145 0.9073 1.0000 1.1138 1.2277  
unitless

Ratio (1x1.25)  
Dev/Ref, Fixed Range

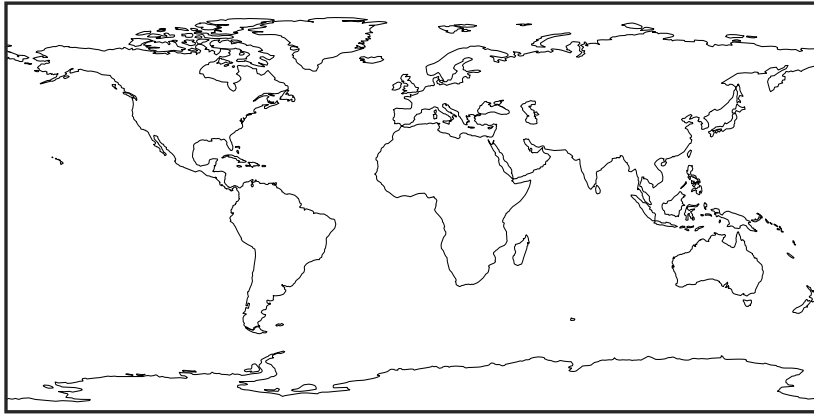


0.50 0.75 1.00 1.50 2.00  
unitless



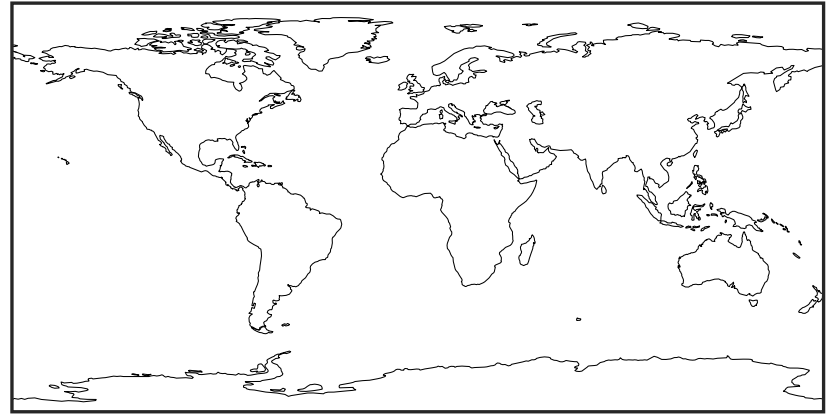
# Jval\_HC5A (AnnualMean)

GCC\_14.2.0 (Ref)  
4.0x5.0



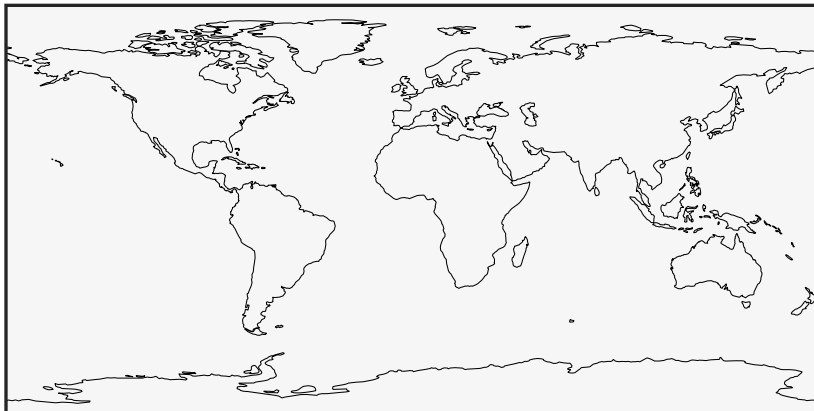
Zero throughout domain  
s-1

GCHP\_14.2.0 (Dev)  
c24



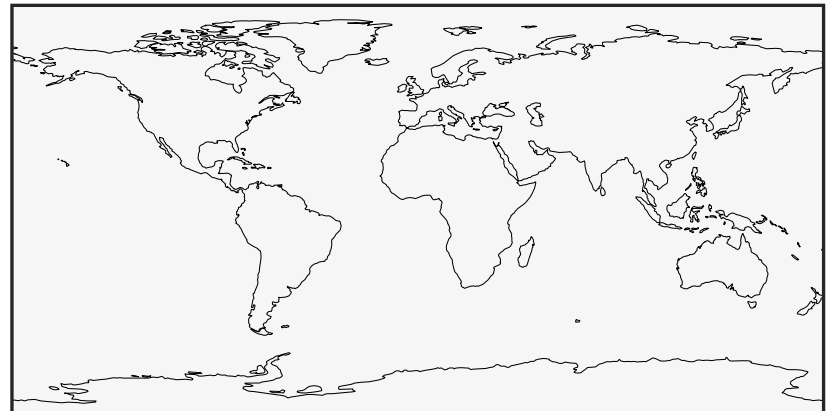
Zero throughout domain  
s-1

Difference (1x1.25)  
Dev - Ref, Dynamic Range



Zero throughout domain  
s-1

Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



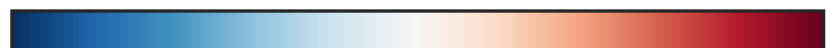
Zero throughout domain  
s-1

Ratio (1x1.25)  
Dev/Ref, Dynamic Range



Undefined throughout domain  
unitless

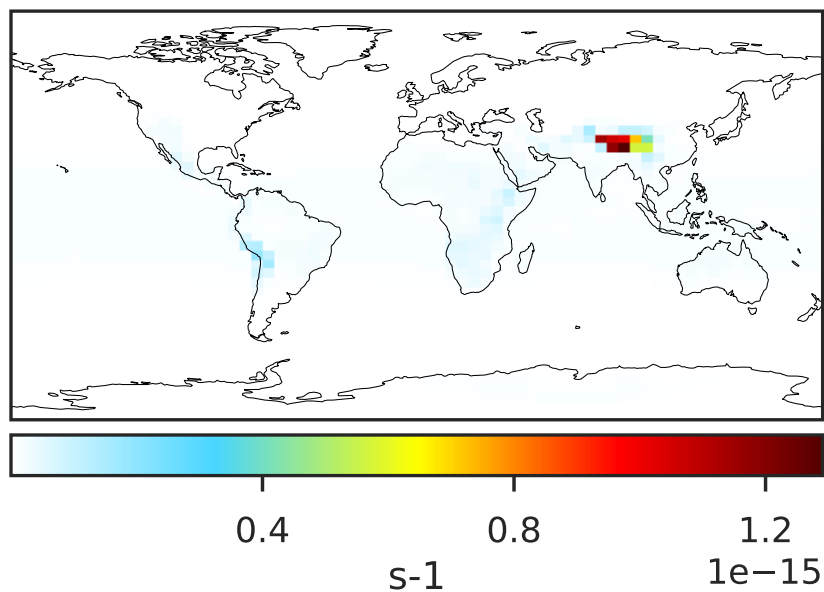
Ratio (1x1.25)  
Dev/Ref, Fixed Range



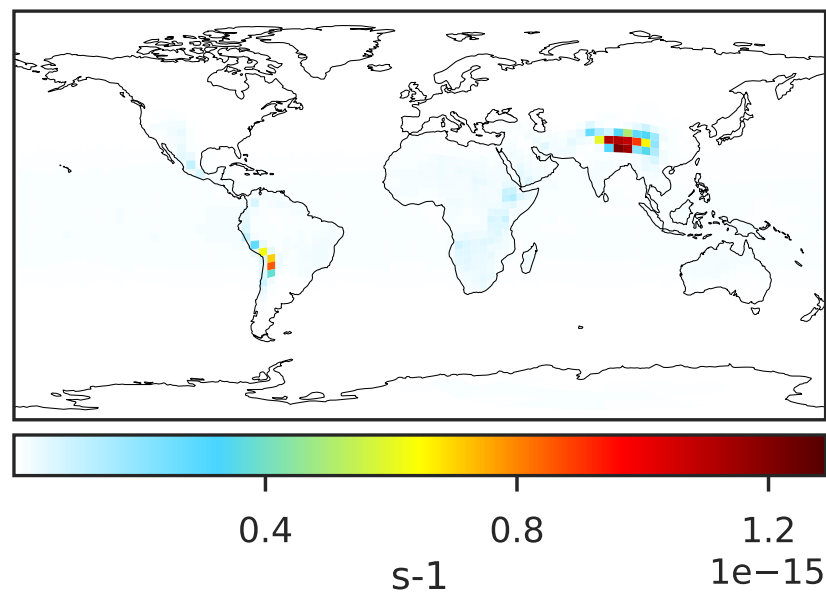
Undefined throughout domain  
unitless

# Jval\_HCFC123 (AnnualMean)

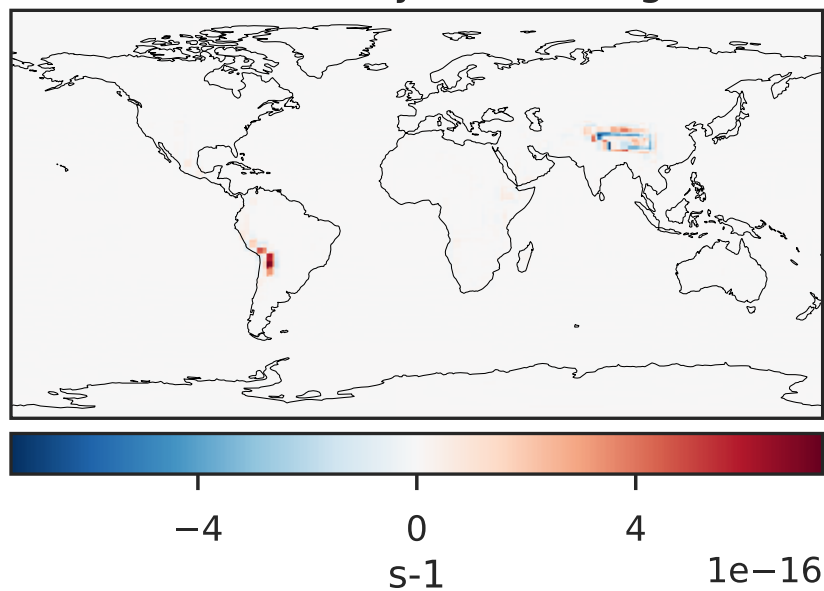
GCC\_14.2.0 (Ref)  
4.0x5.0



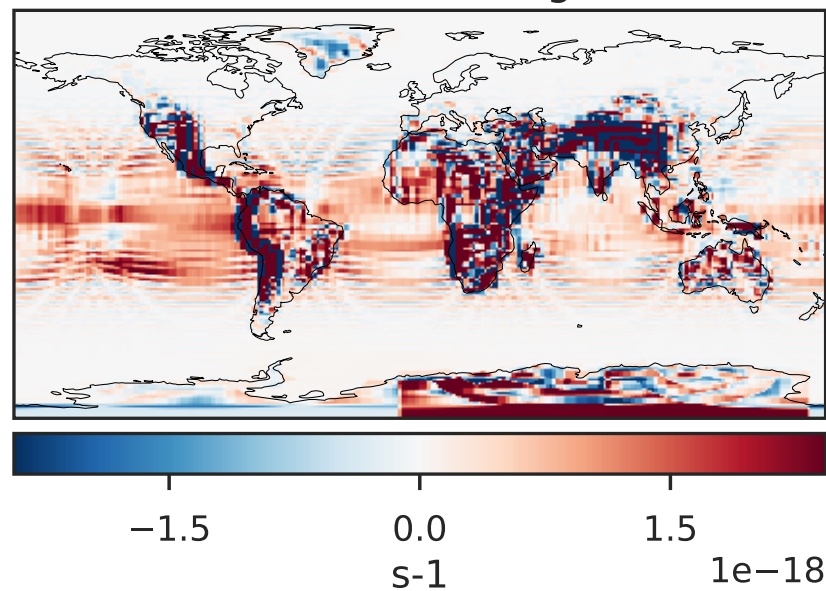
GCHP\_14.2.0 (Dev)  
c24



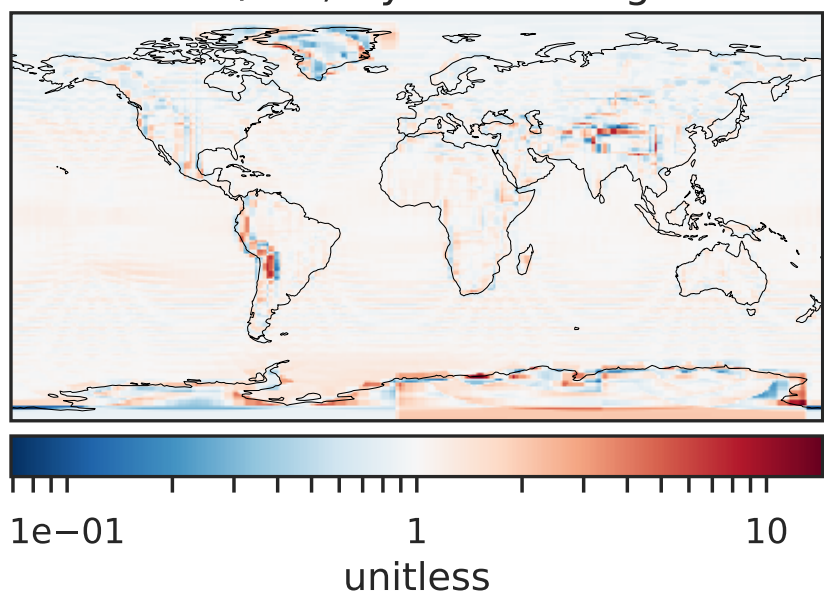
Difference (1x1.25)  
Dev - Ref, Dynamic Range



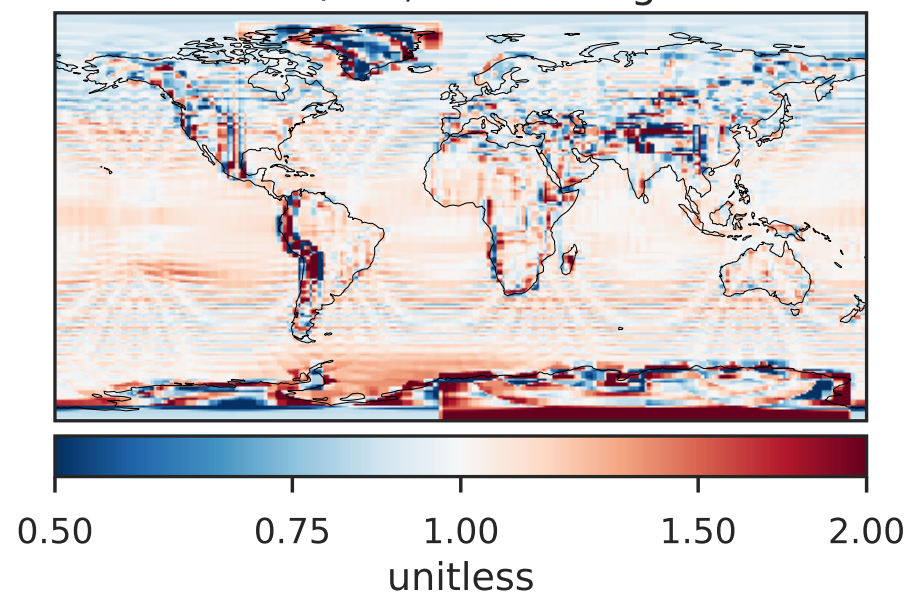
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)  
Dev/Ref, Dynamic Range

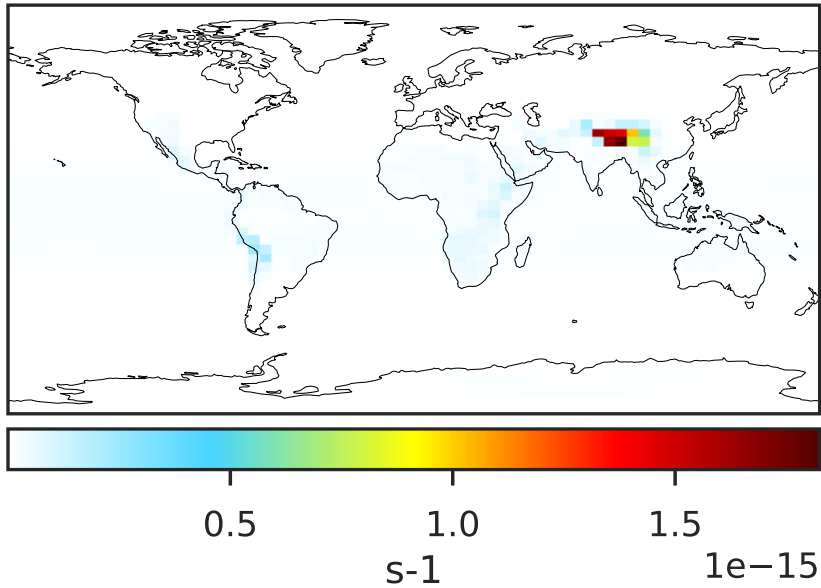


Ratio (1x1.25)  
Dev/Ref, Fixed Range

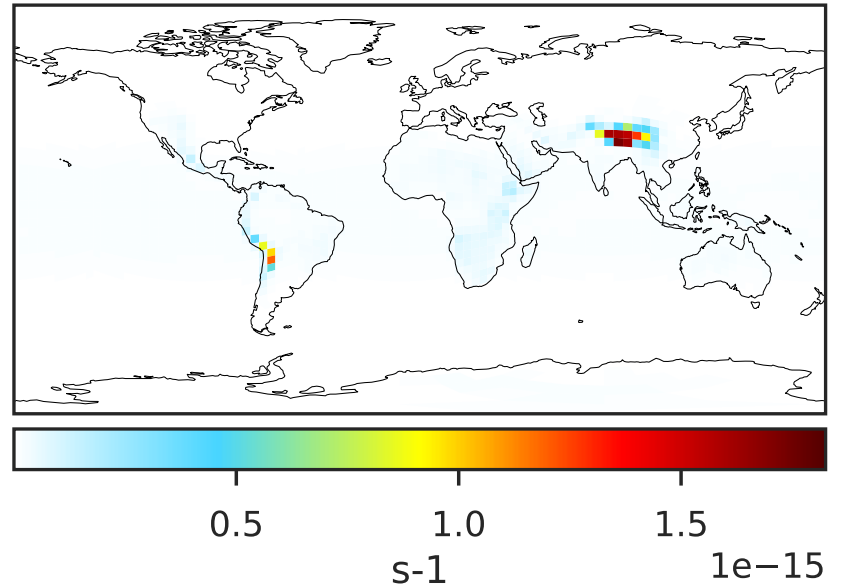


# Jval\_HCFC141b (AnnualMean)

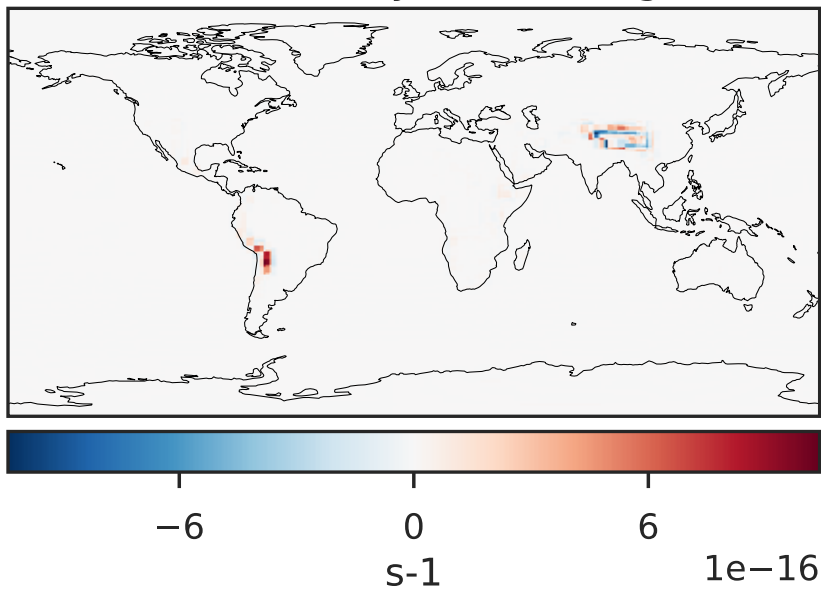
GCC\_14.2.0 (Ref)  
4.0x5.0



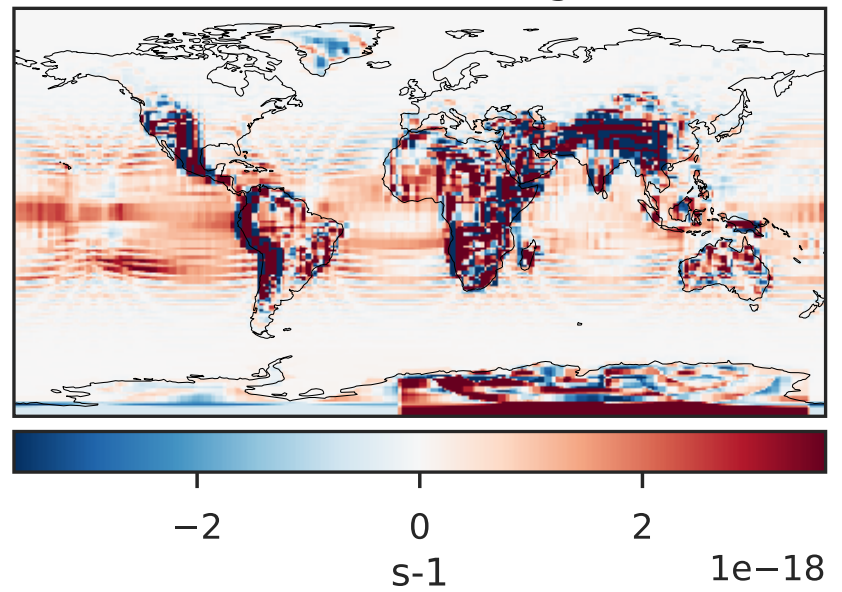
GCHP\_14.2.0 (Dev)  
c24



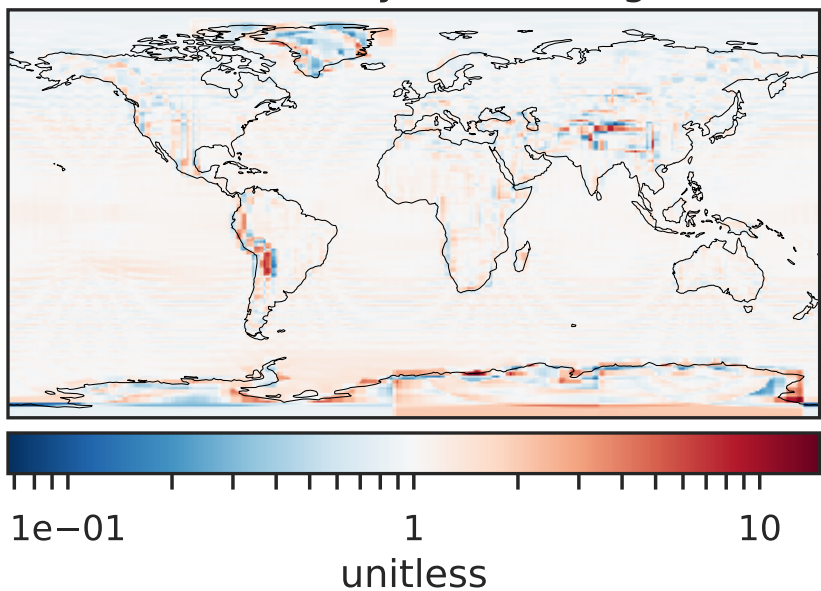
Difference (1x1.25)  
Dev - Ref, Dynamic Range



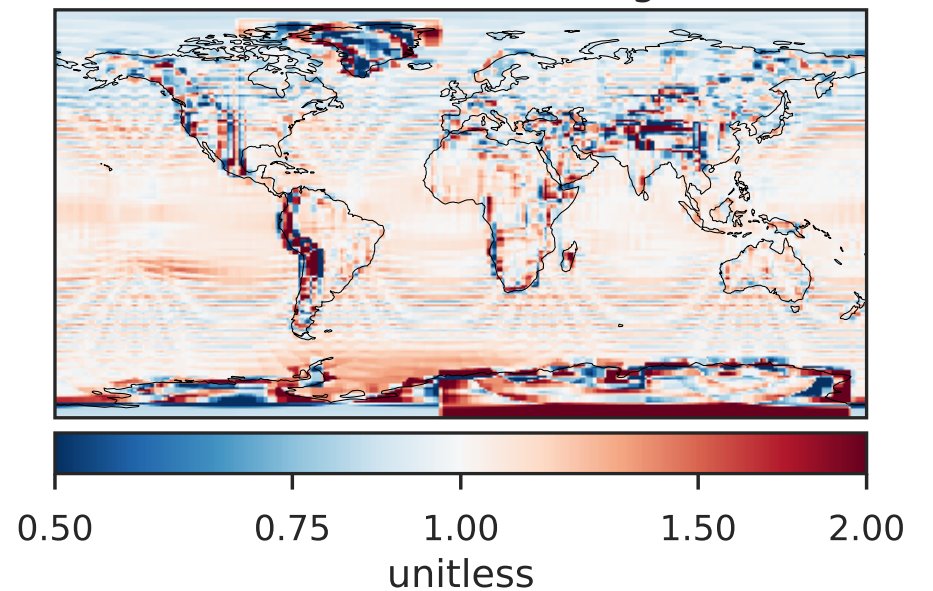
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)  
Dev/Ref, Dynamic Range

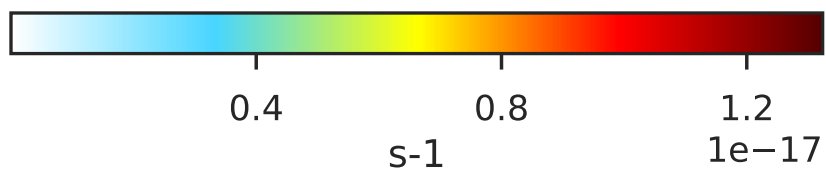
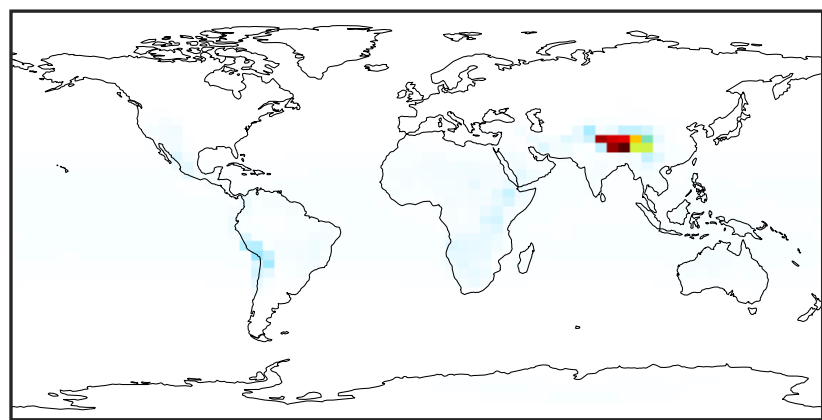


Ratio (1x1.25)  
Dev/Ref, Fixed Range

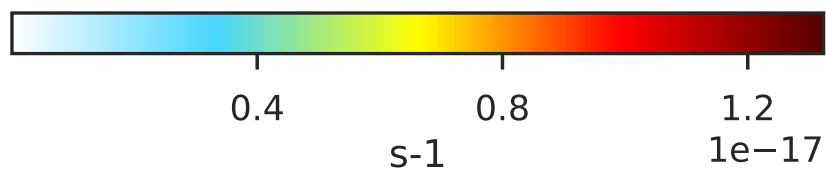
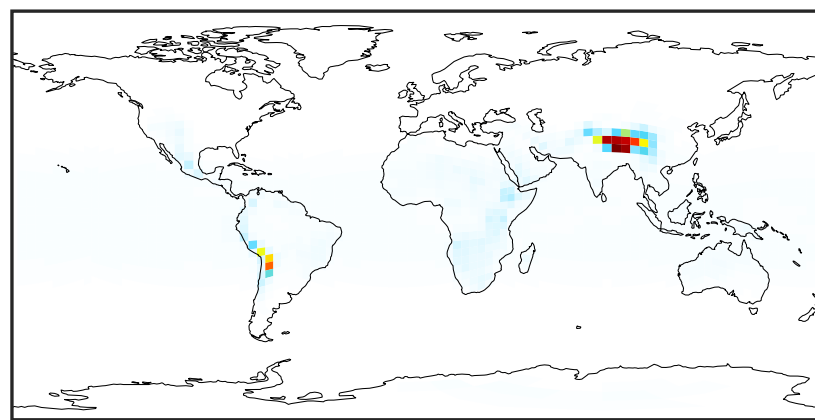


# Jval\_HCFC142b (AnnualMean)

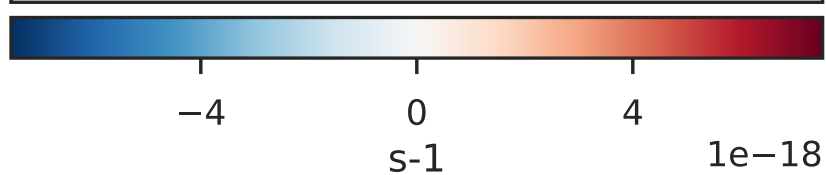
GCC\_14.2.0 (Ref)  
4.0x5.0



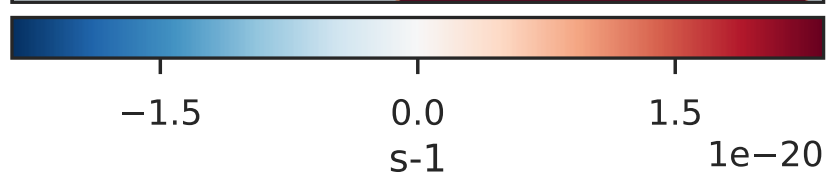
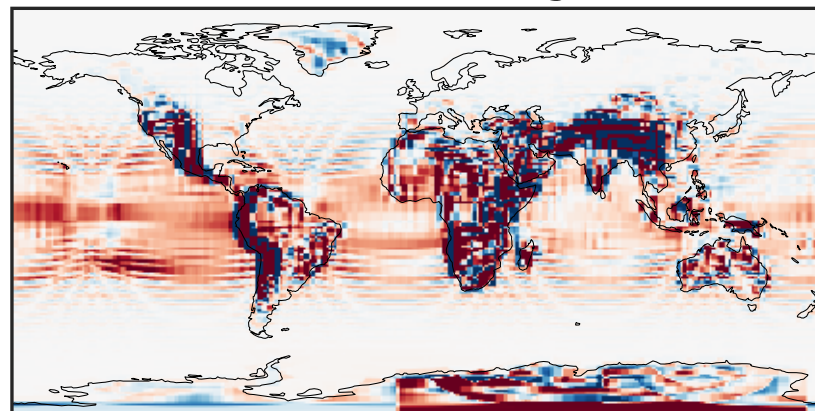
GCHP\_14.2.0 (Dev)  
c24



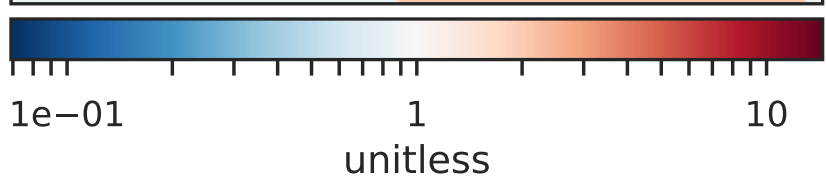
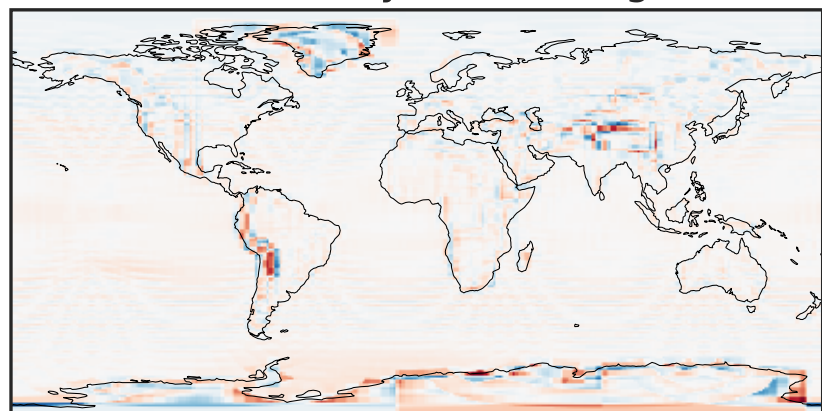
Difference (1x1.25)  
Dev - Ref, Dynamic Range



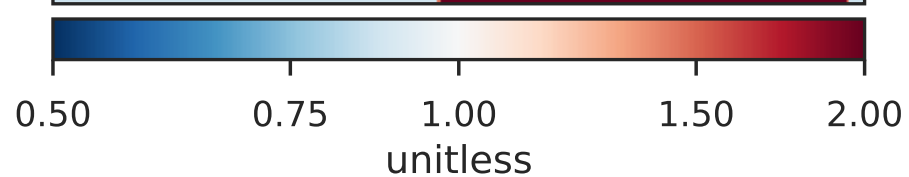
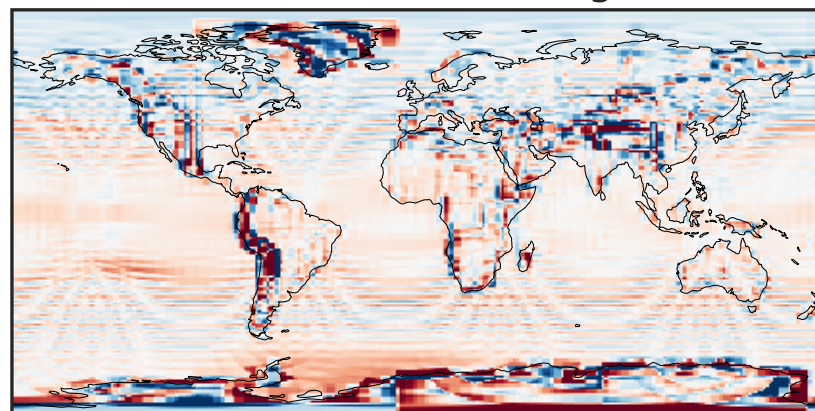
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)  
Dev/Ref, Dynamic Range

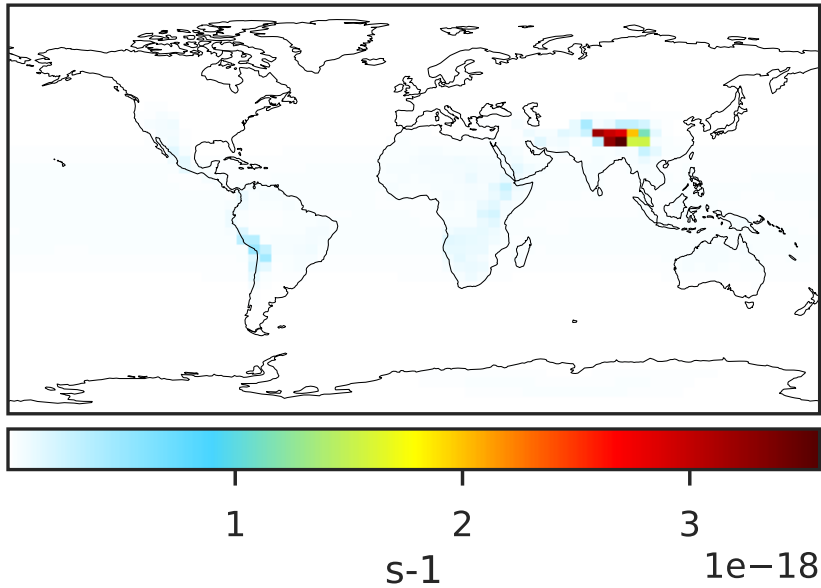


Ratio (1x1.25)  
Dev/Ref, Fixed Range

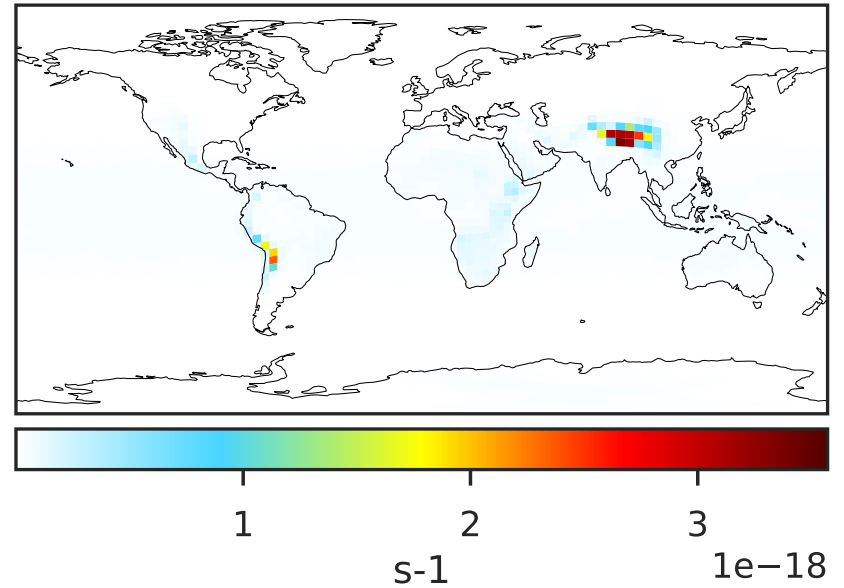


# Jval\_HCFC22 (AnnualMean)

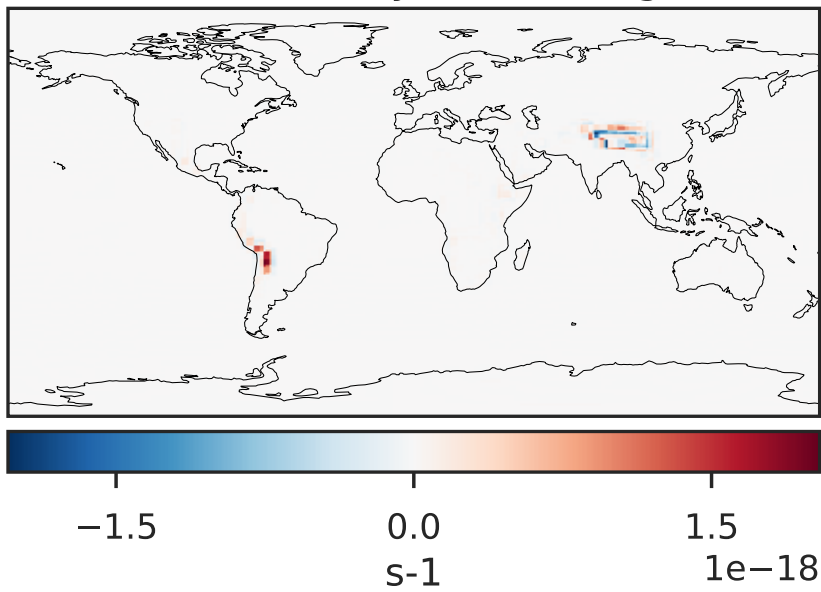
GCC\_14.2.0 (Ref)  
4.0x5.0



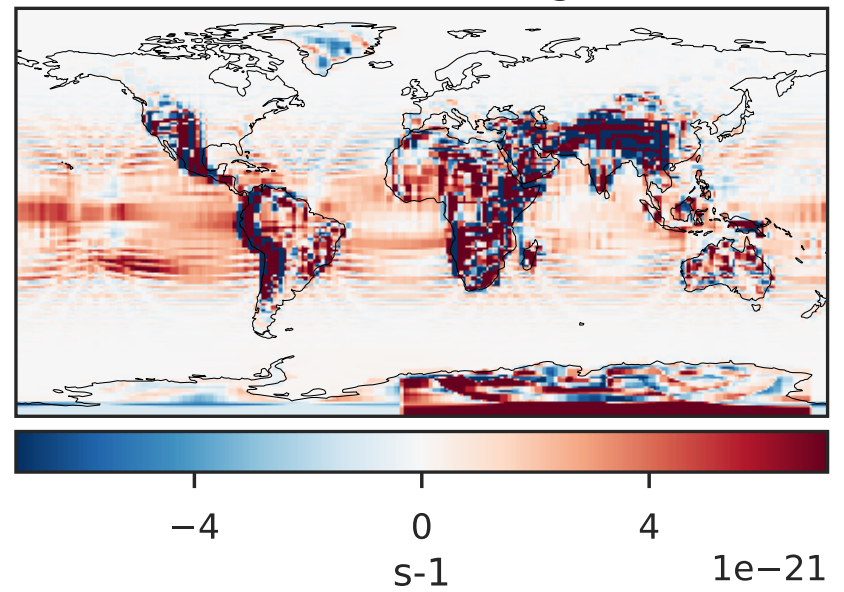
GCHP\_14.2.0 (Dev)  
c24



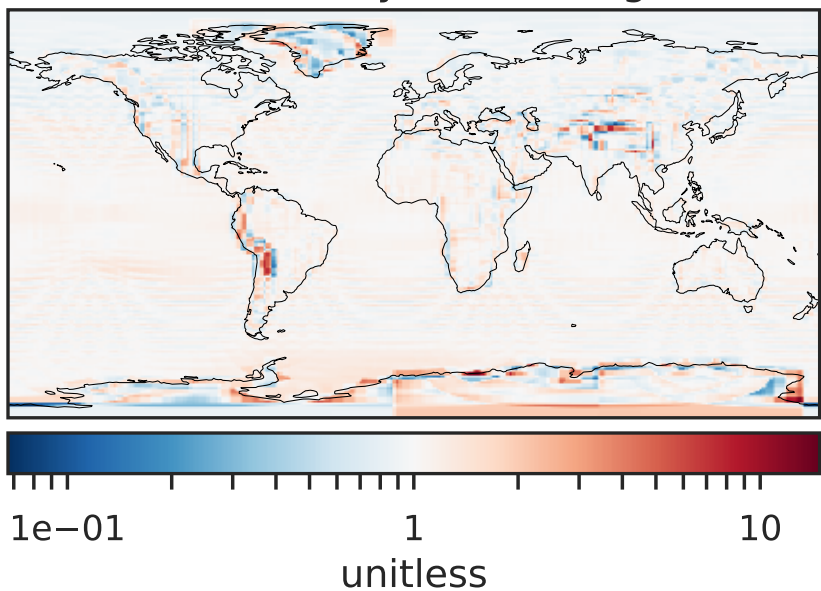
Difference (1x1.25)  
Dev - Ref, Dynamic Range



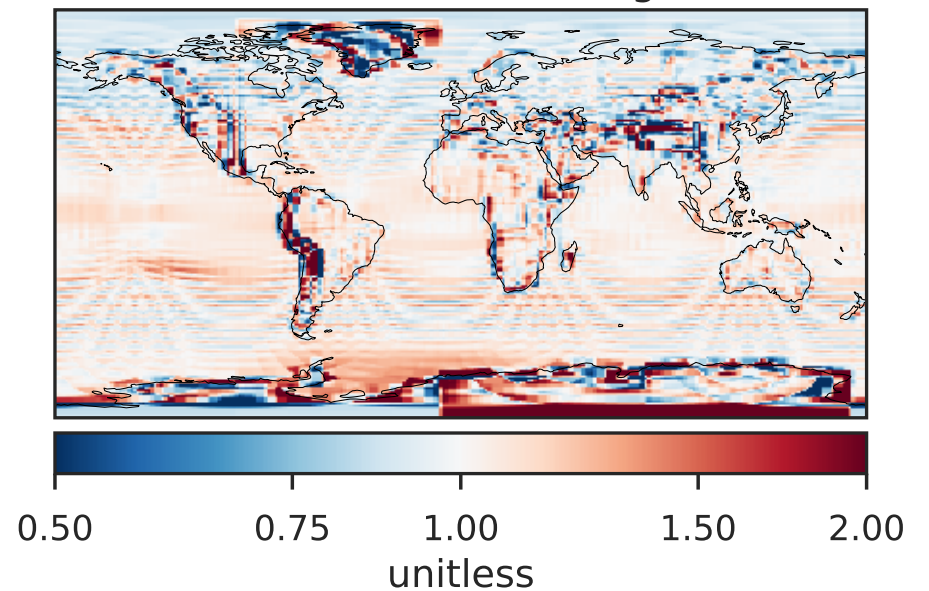
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)  
Dev/Ref, Dynamic Range

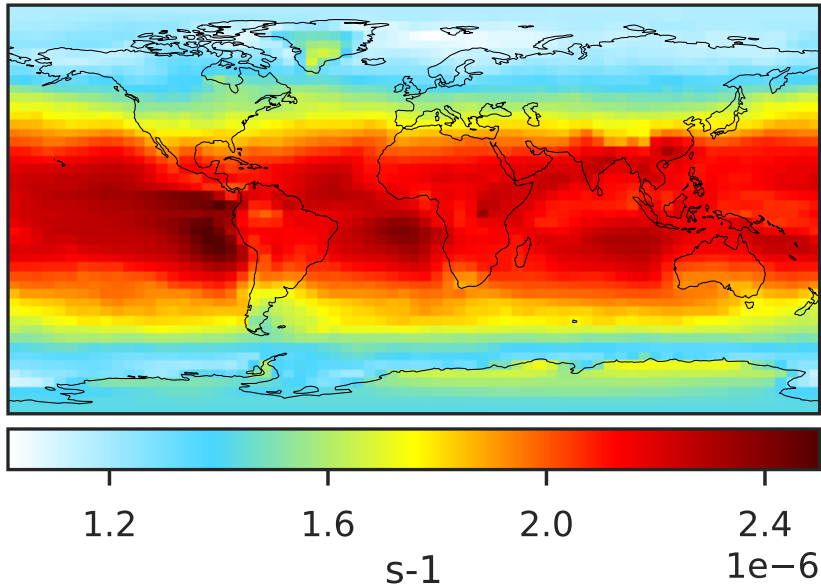


Ratio (1x1.25)  
Dev/Ref, Fixed Range

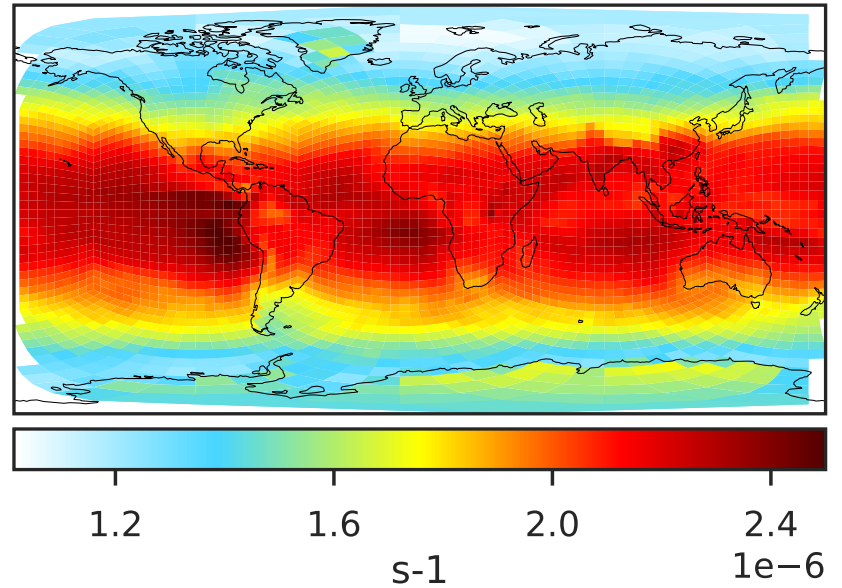


# Jval\_HMHP (AnnualMean)

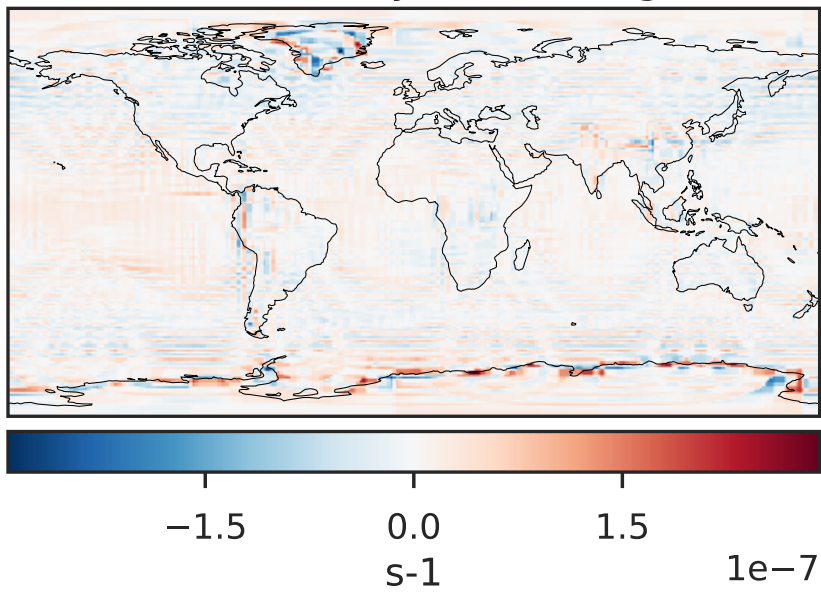
GCC\_14.2.0 (Ref)  
4.0x5.0



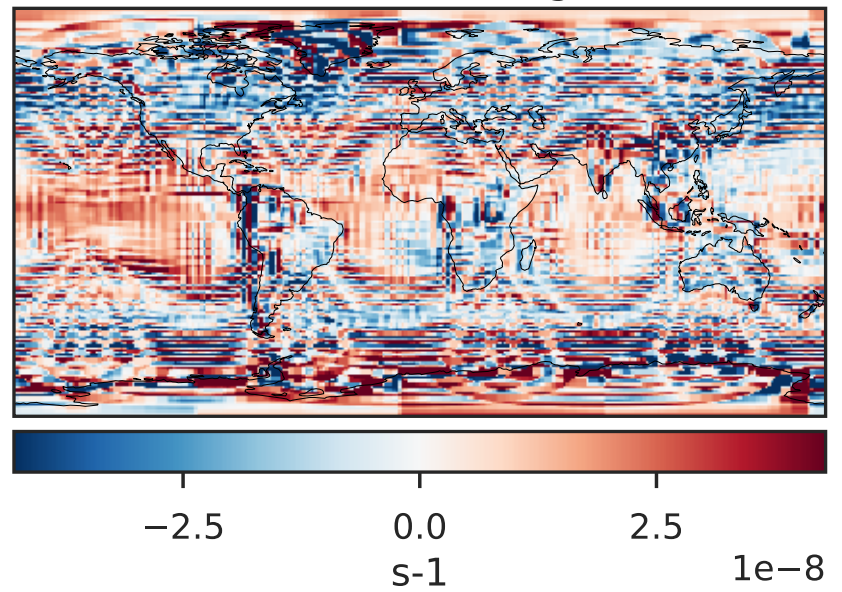
GCHP\_14.2.0 (Dev)  
c24



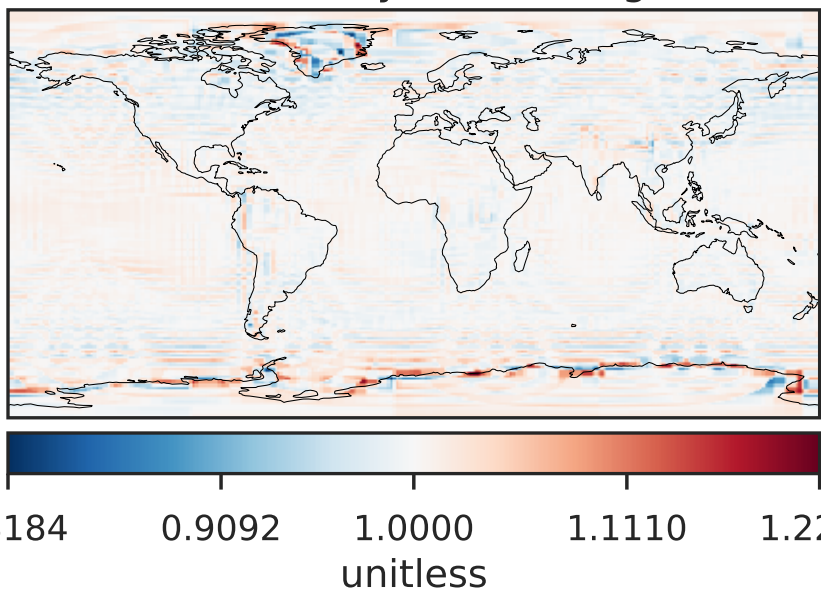
Difference (1x1.25)  
Dev - Ref, Dynamic Range



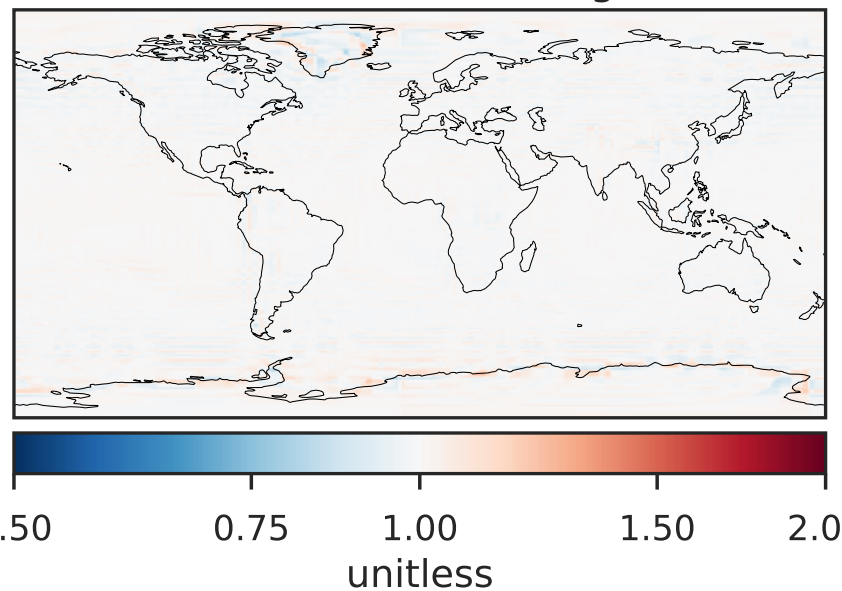
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)  
Dev/Ref, Dynamic Range



Ratio (1x1.25)  
Dev/Ref, Fixed Range

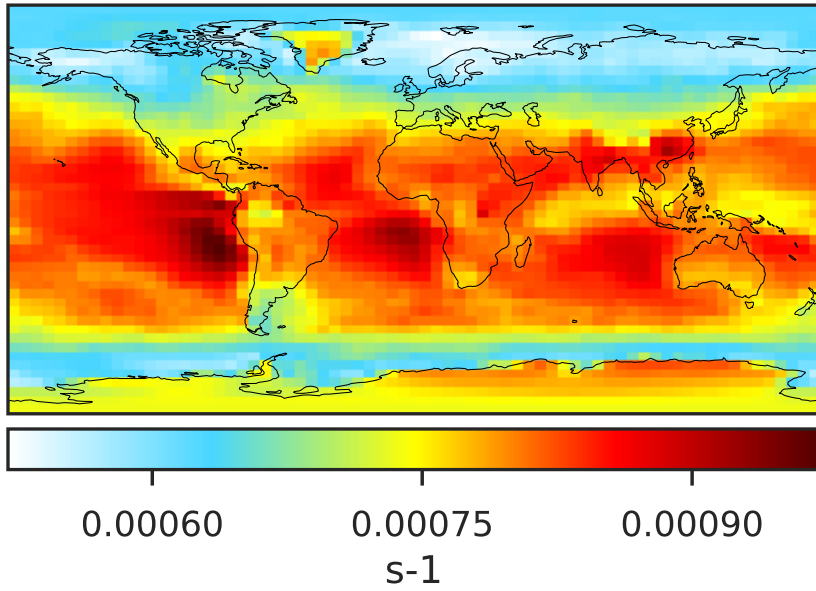


0.8184 0.9092 1.0000 1.1110 1.2219  
unitless

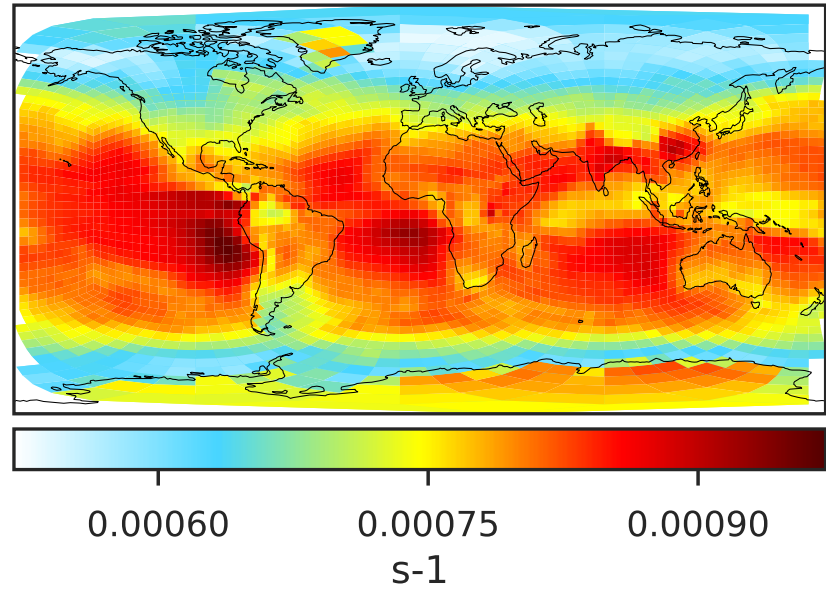
0.50 0.75 1.00 1.50 2.00  
unitless

# Jval\_HNO2 (AnnualMean)

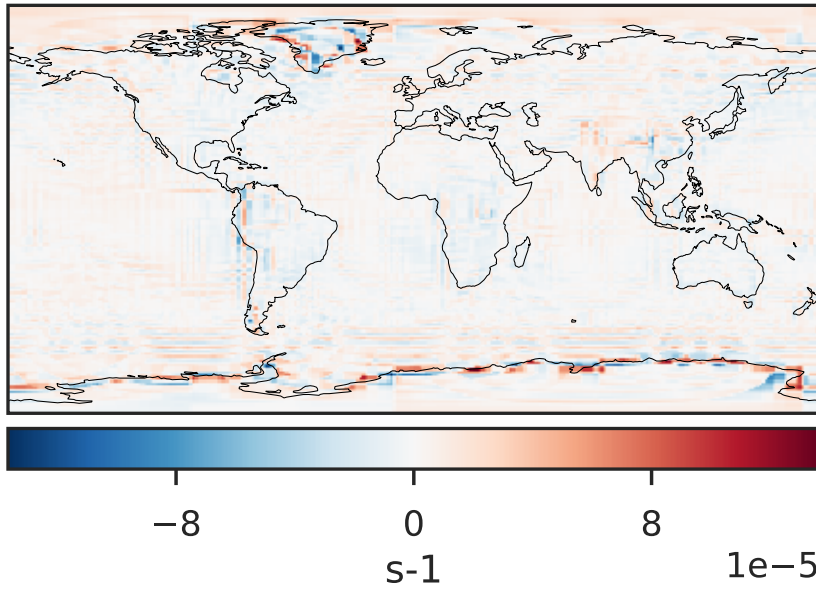
GCC\_14.2.0 (Ref)  
4.0x5.0



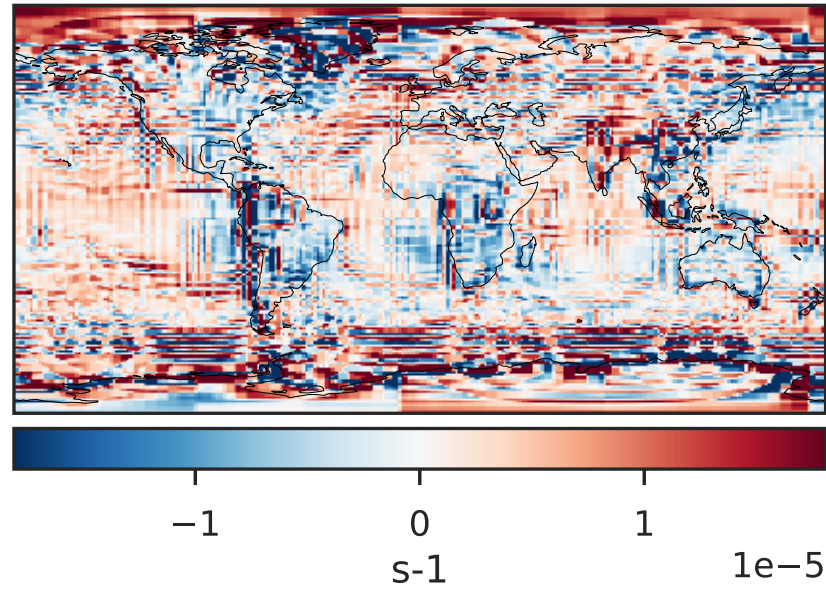
GCHP\_14.2.0 (Dev)  
c24



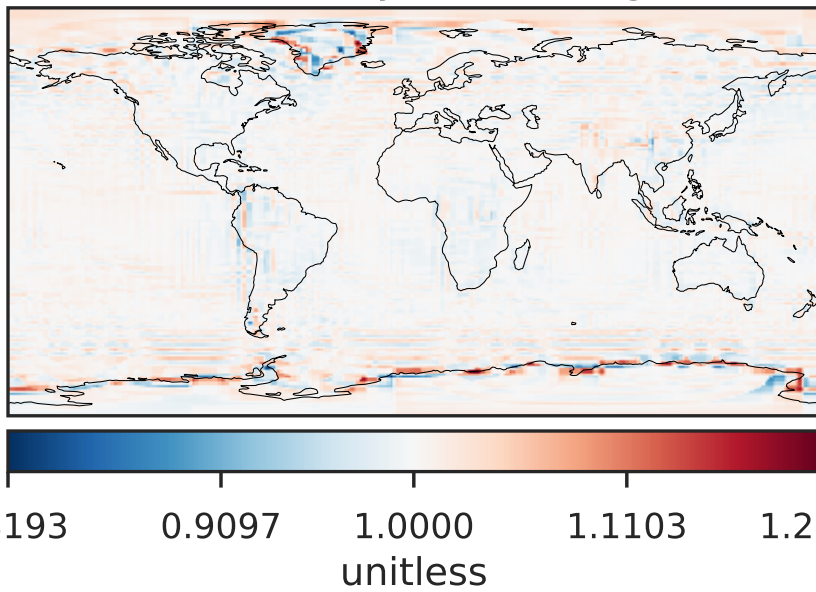
Difference (1x1.25)  
Dev - Ref, Dynamic Range



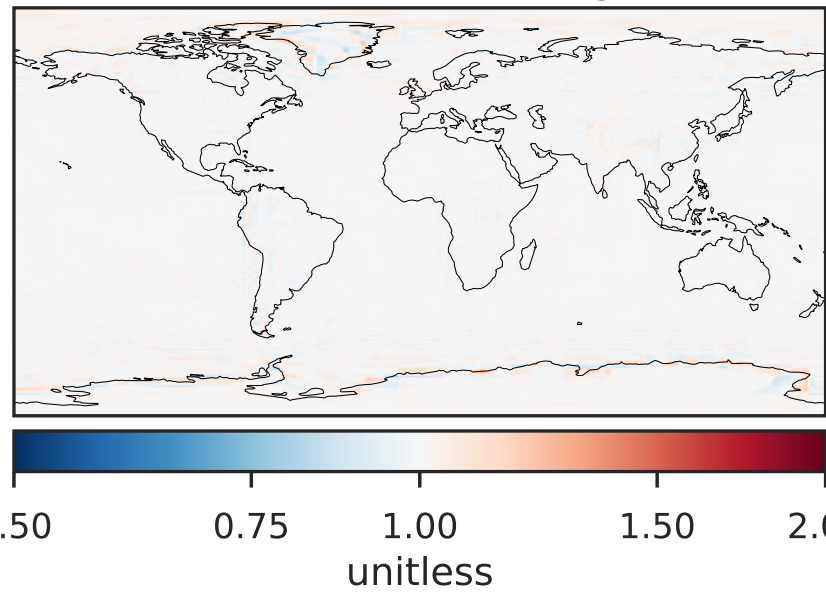
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)  
Dev/Ref, Dynamic Range

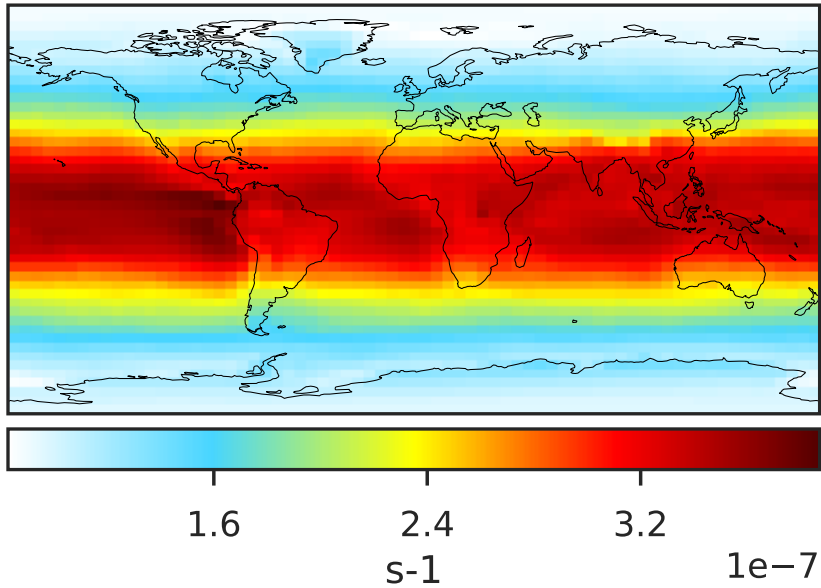


Ratio (1x1.25)  
Dev/Ref, Fixed Range

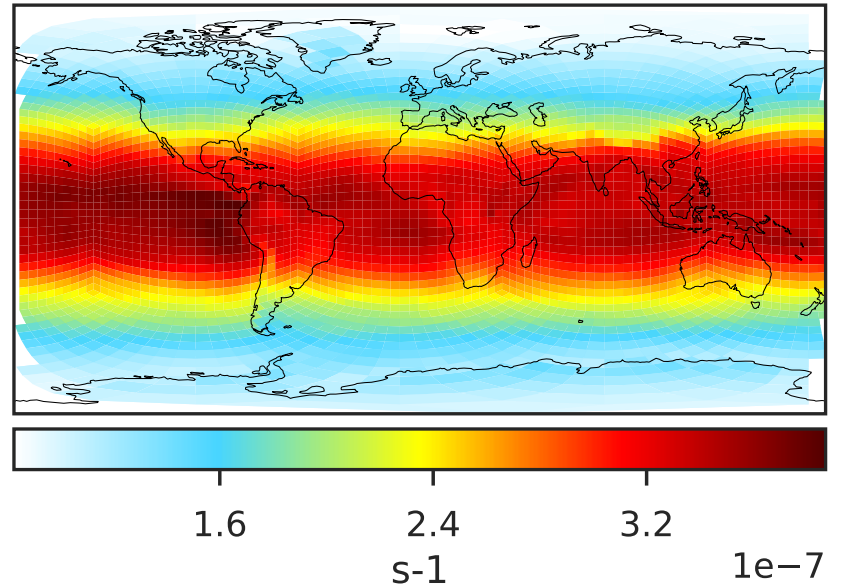


# Jval\_HNO3 (AnnualMean)

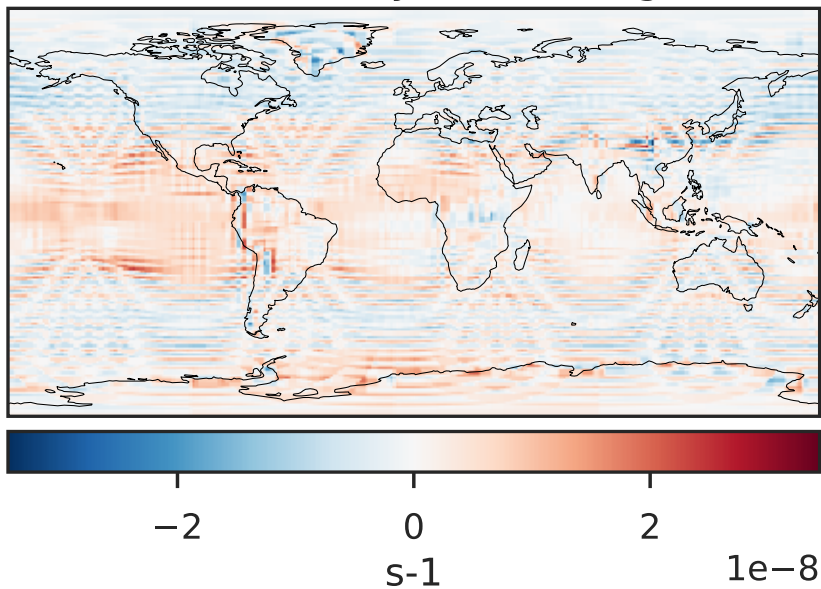
GCC\_14.2.0 (Ref)  
4.0x5.0



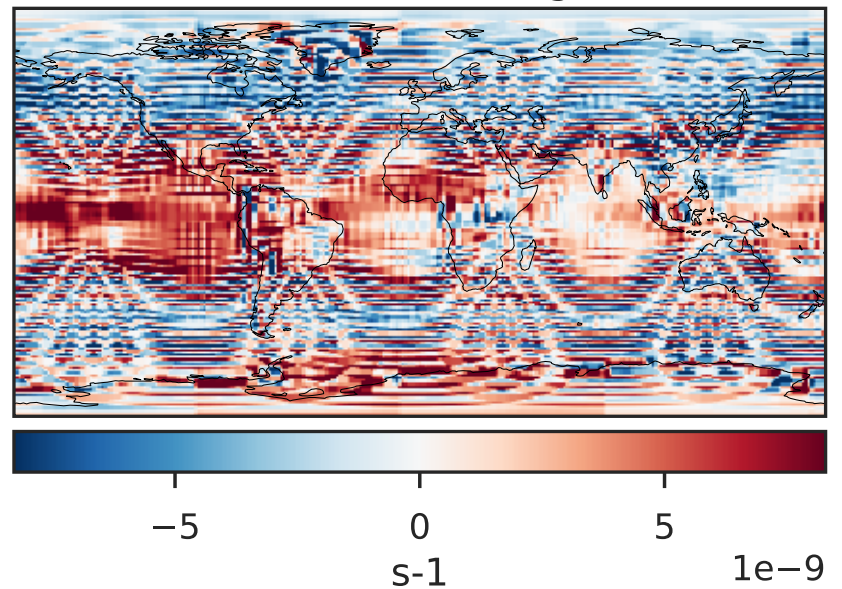
GCHP\_14.2.0 (Dev)  
c24



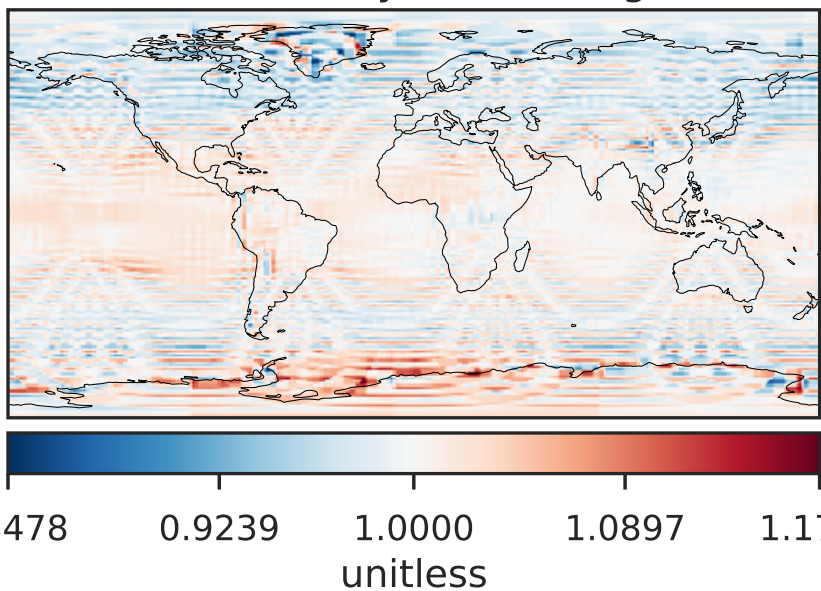
Difference (1x1.25)  
Dev - Ref, Dynamic Range



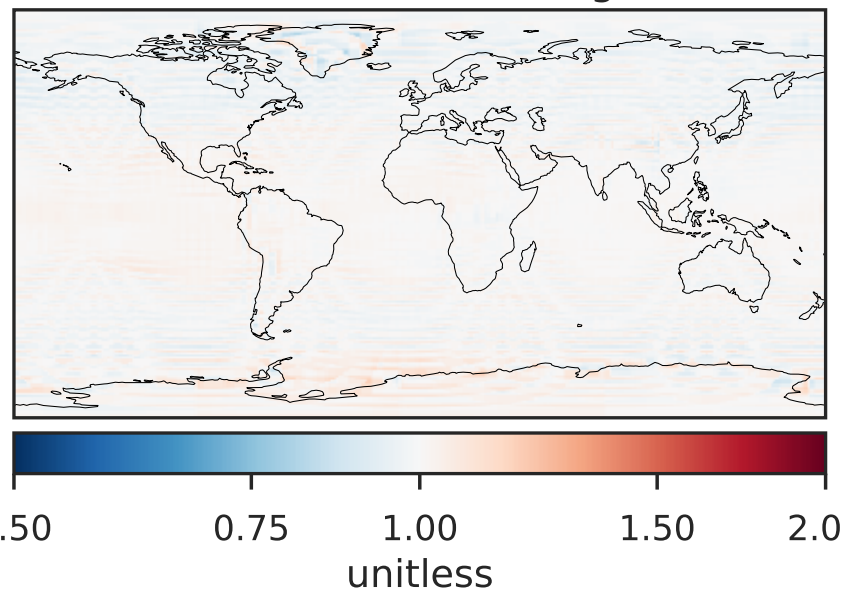
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)  
Dev/Ref, Dynamic Range



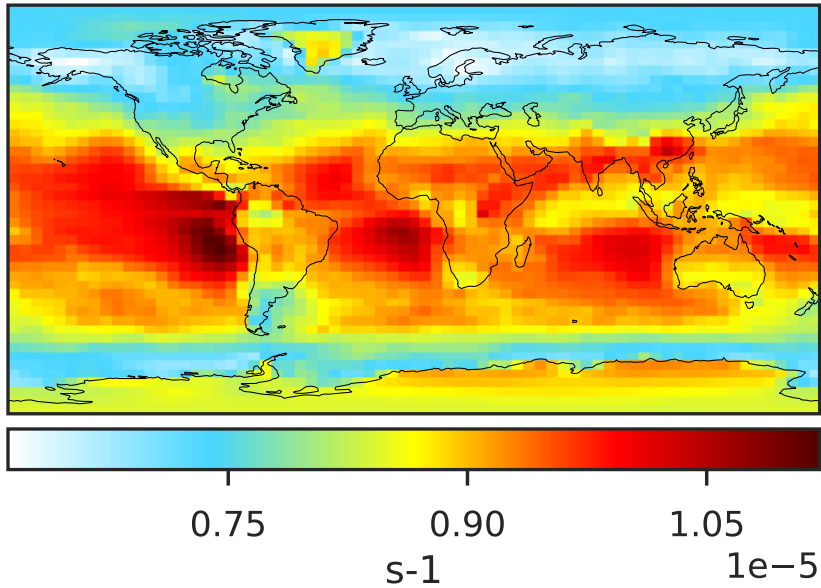
Ratio (1x1.25)  
Dev/Ref, Fixed Range



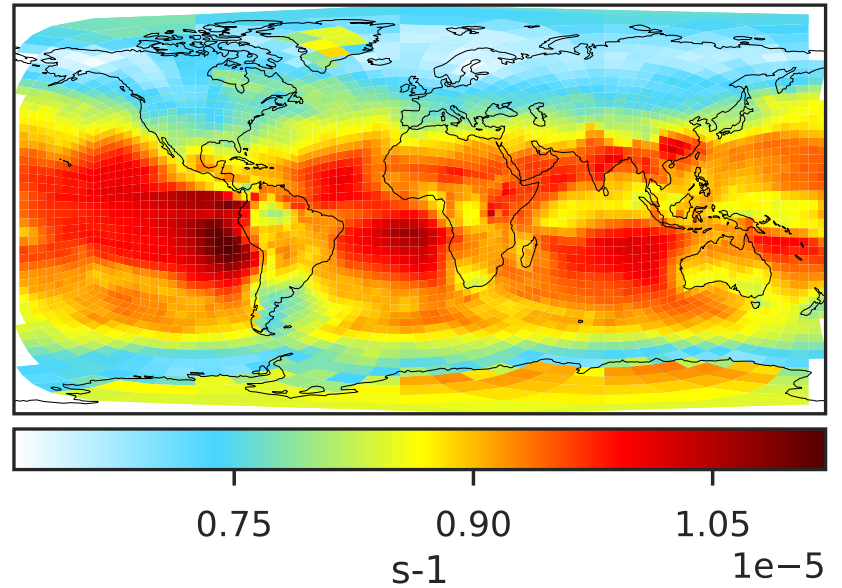


# Jval\_HNO4 (AnnualMean)

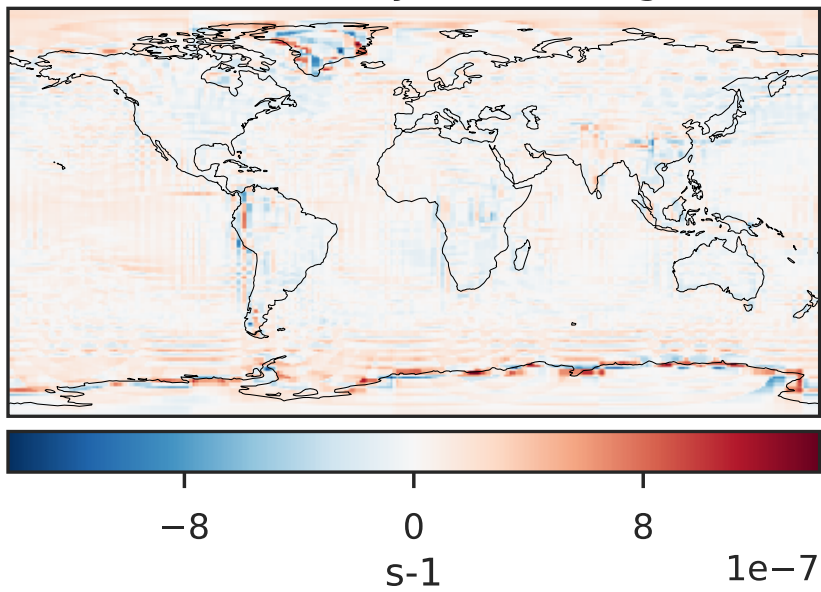
GCC\_14.2.0 (Ref)  
4.0x5.0



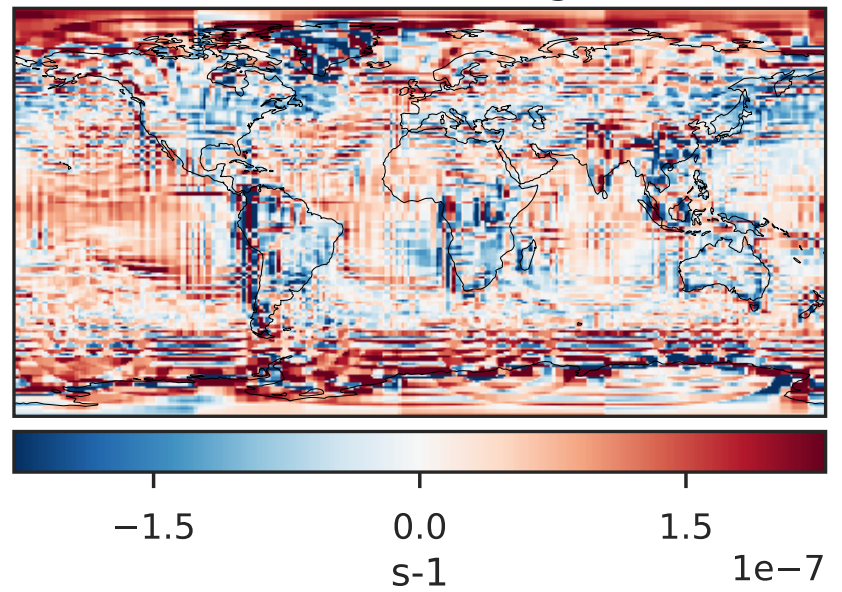
GCHP\_14.2.0 (Dev)  
c24



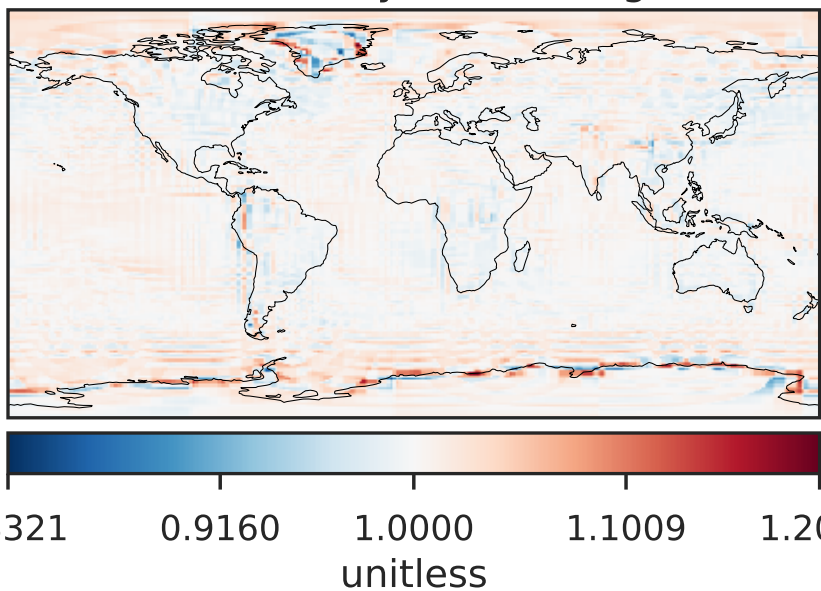
Difference (1x1.25)  
Dev - Ref, Dynamic Range



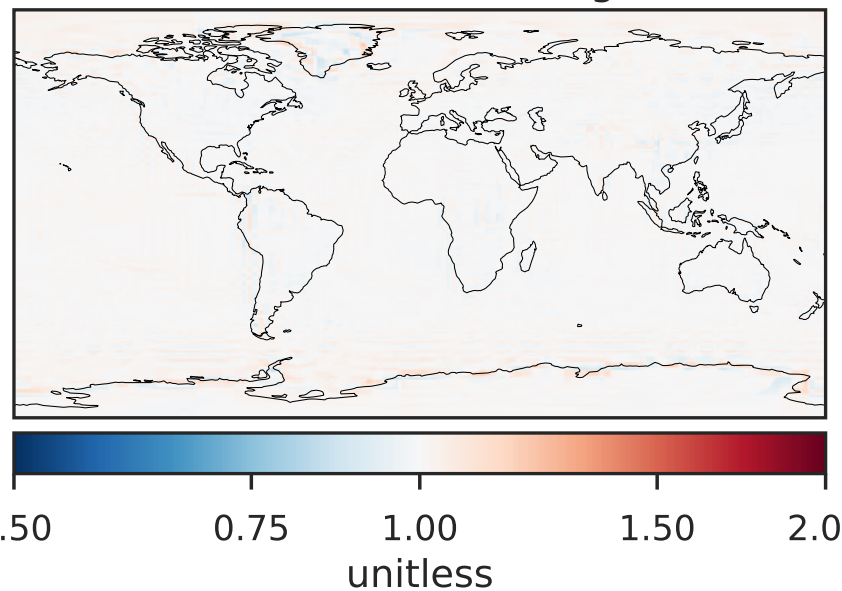
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)  
Dev/Ref, Dynamic Range

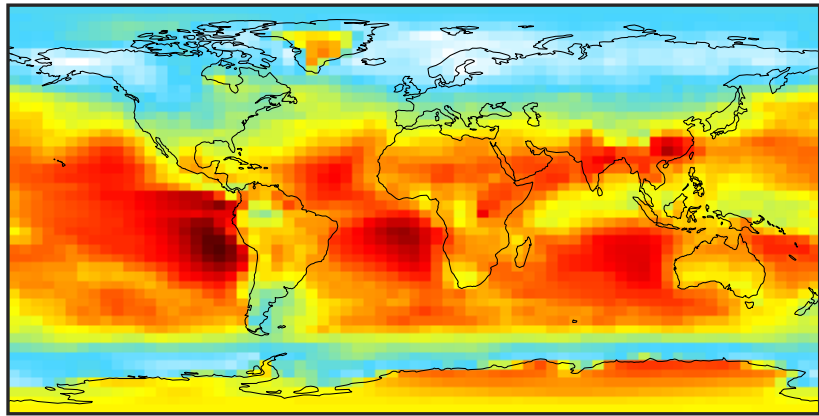


Ratio (1x1.25)  
Dev/Ref, Fixed Range



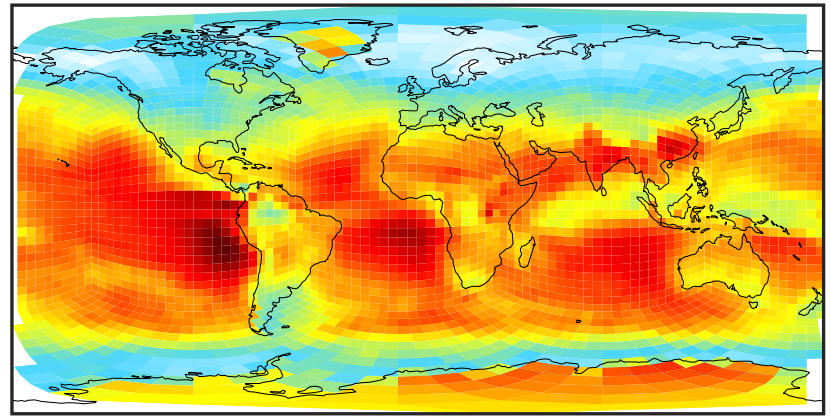
# Jval\_HOBr (AnnualMean)

GCC\_14.2.0 (Ref)  
4.0x5.0



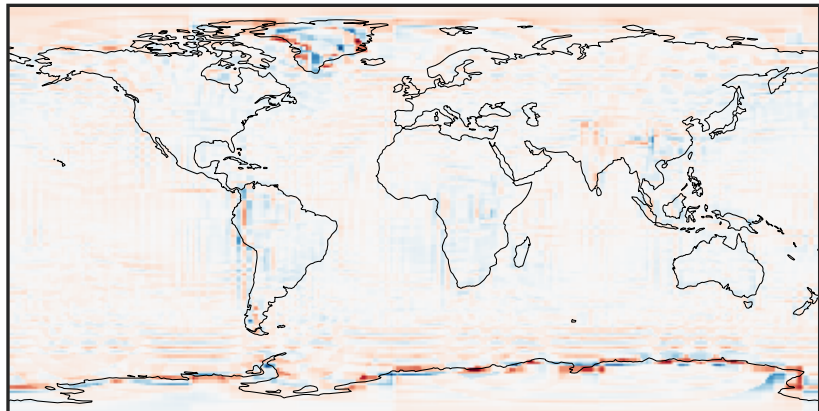
0.0008 0.0010 0.0012 0.0014  
s-1

GCHP\_14.2.0 (Dev)  
c24



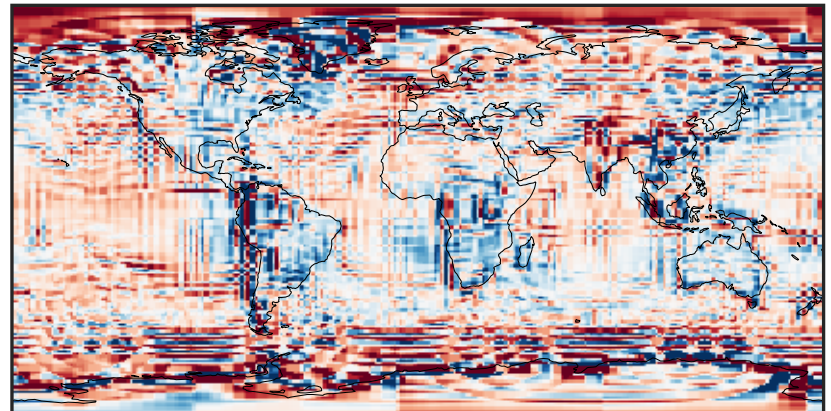
0.0008 0.0010 0.0012 0.0014  
s-1

Difference (1x1.25)  
Dev - Ref, Dynamic Range



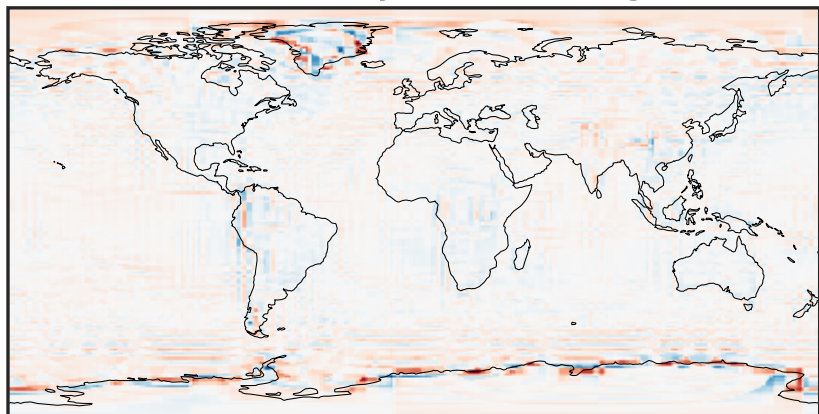
-0.0001 0.0000 0.0001  
s-1

Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



-1.5 0.0 1.5  
s-1 1e-5

Ratio (1x1.25)  
Dev/Ref, Dynamic Range



0.8245 0.9123 1.0000 1.1064 1.2128  
unitless

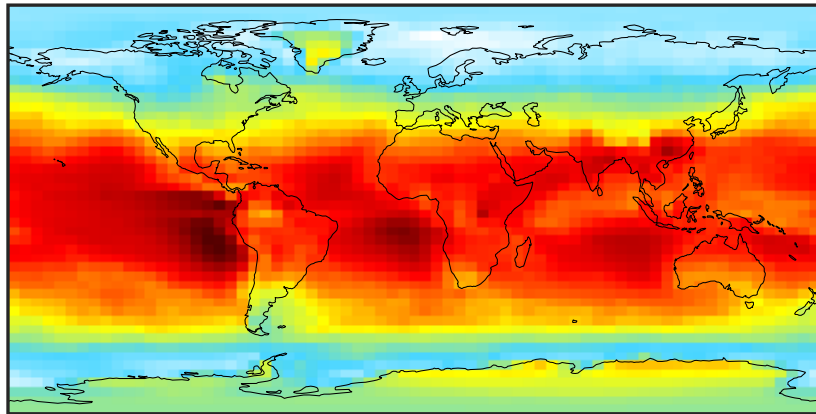
Ratio (1x1.25)  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

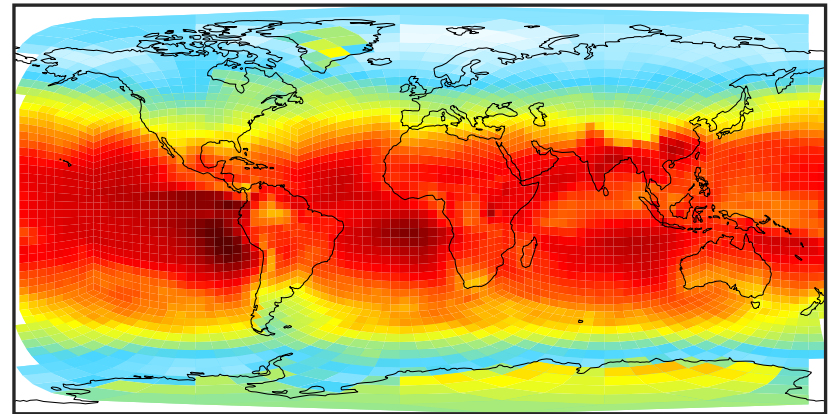
# Jval\_HOCl (AnnualMean)

GCC\_14.2.0 (Ref)  
4.0x5.0



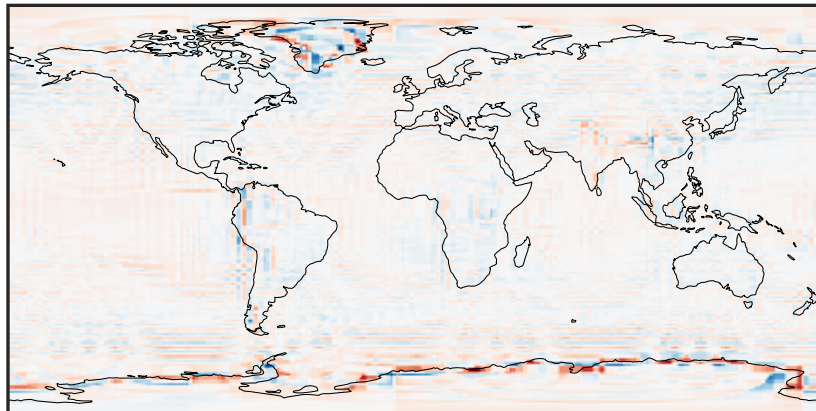
0.000100 0.000125 0.000150 0.000175  
s-1

GCHP\_14.2.0 (Dev)  
c24



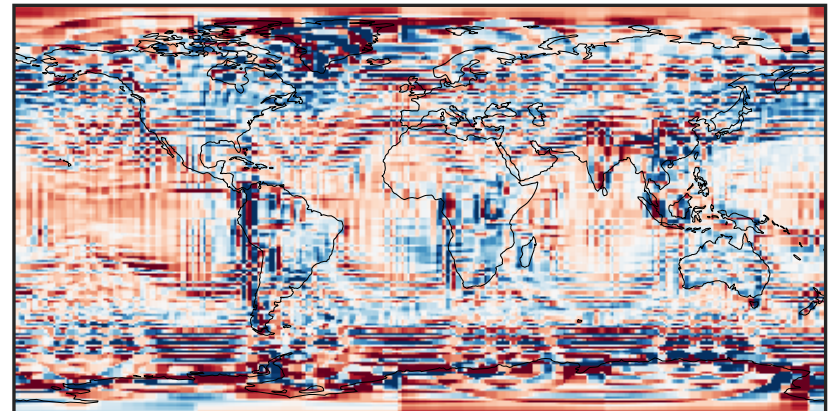
0.000100 0.000125 0.000150 0.000175  
s-1

Difference (1x1.25)  
Dev - Ref, Dynamic Range



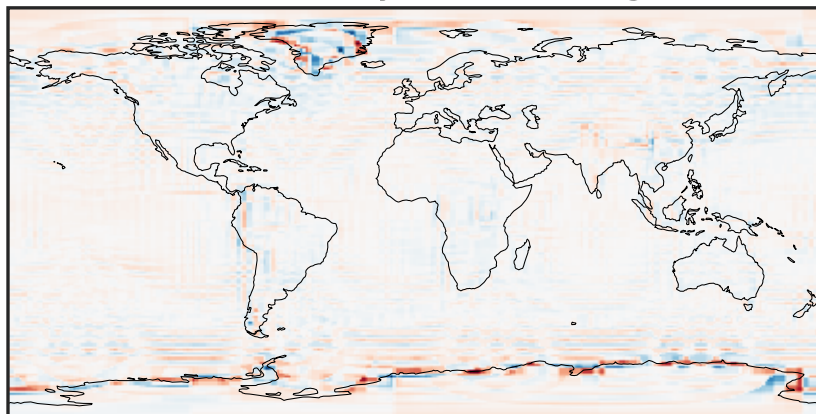
-1.5 0.0 1.5  
s-1 1e-5

Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



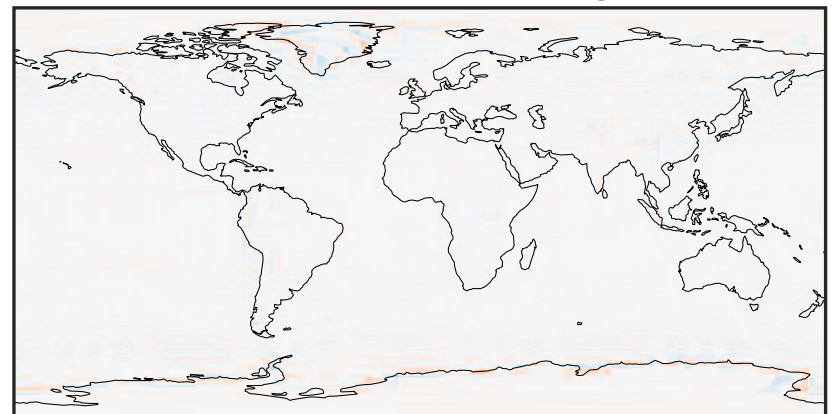
-2 0 2  
s-1 1e-6

Ratio (1x1.25)  
Dev/Ref, Dynamic Range



0.8199 0.9100 1.0000 1.1098 1.2196  
unitless

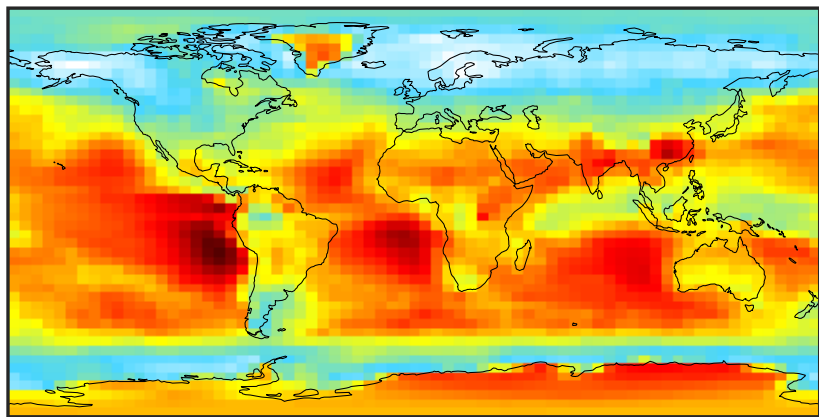
Ratio (1x1.25)  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

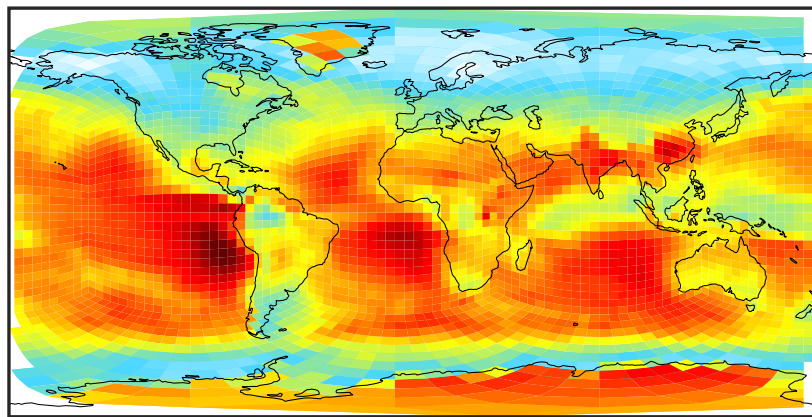
# Jval\_HOI (AnnualMean)

GCC\_14.2.0 (Ref)  
4.0x5.0



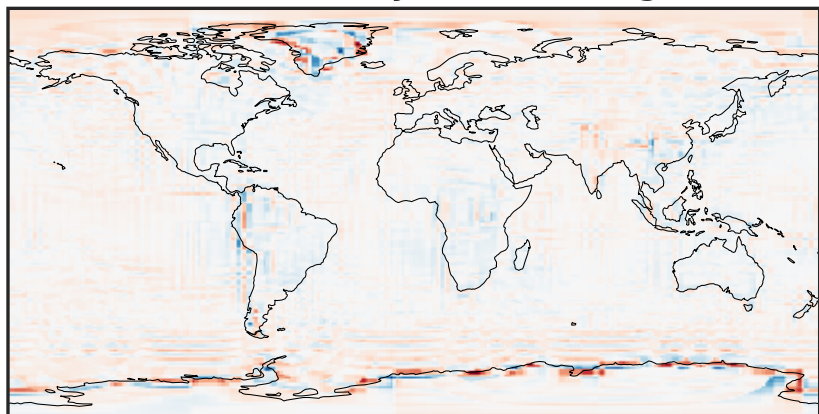
0.0036 0.0042 0.0048 0.0054  
s-1

GCHP\_14.2.0 (Dev)  
c24



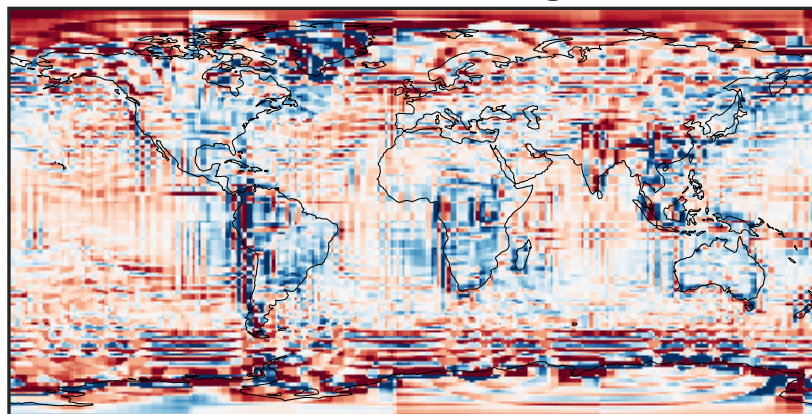
0.0036 0.0042 0.0048 0.0054  
s-1

Difference (1x1.25)  
Dev - Ref, Dynamic Range



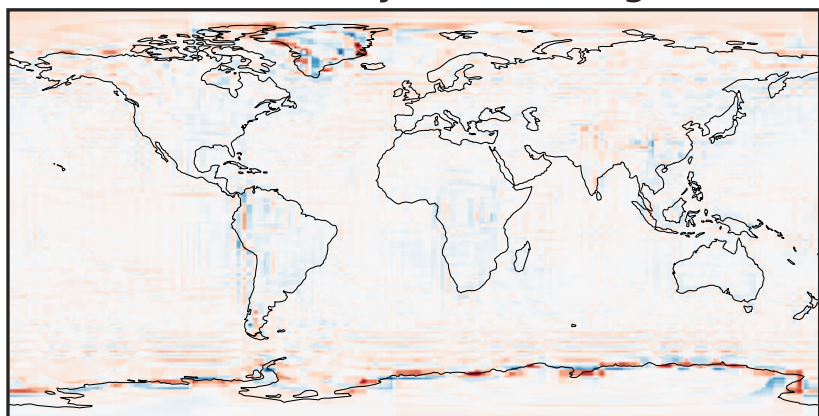
-0.0005 0.0000 0.0005  
s-1

Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



-6 0 6  
s-1 1e-5

Ratio (1x1.25)  
Dev/Ref, Dynamic Range



0.8254 0.9127 1.0000 1.1058 1.2116  
unitless

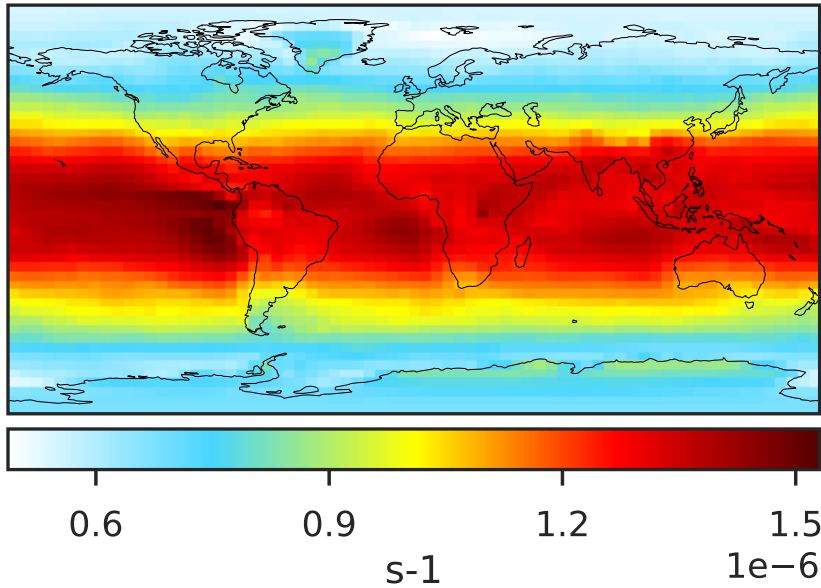
Ratio (1x1.25)  
Dev/Ref, Fixed Range



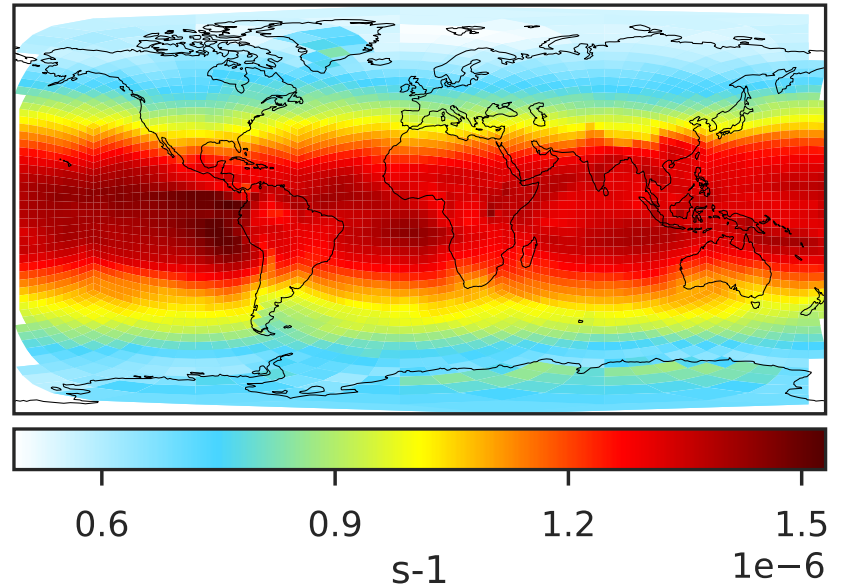
0.50 0.75 1.00 1.50 2.00  
unitless

# Jval\_HONIT (AnnualMean)

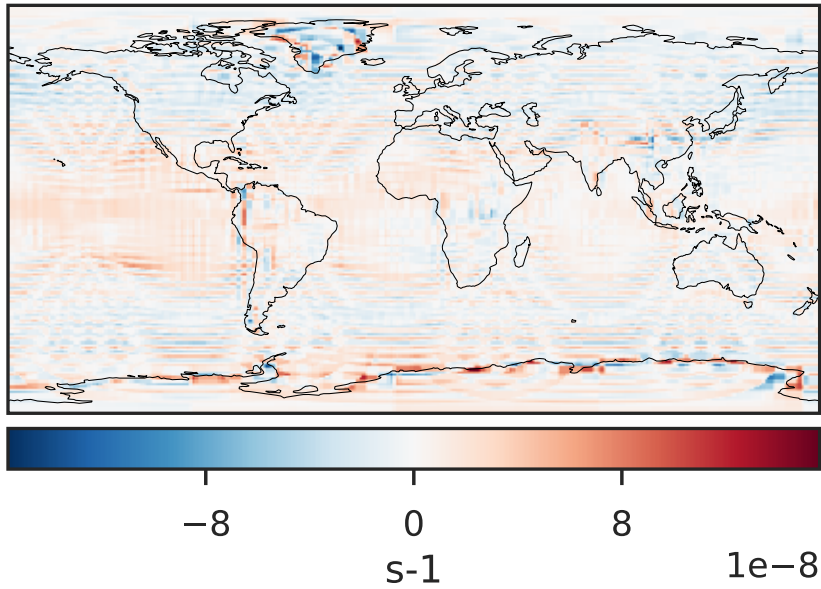
GCC\_14.2.0 (Ref)  
4.0x5.0



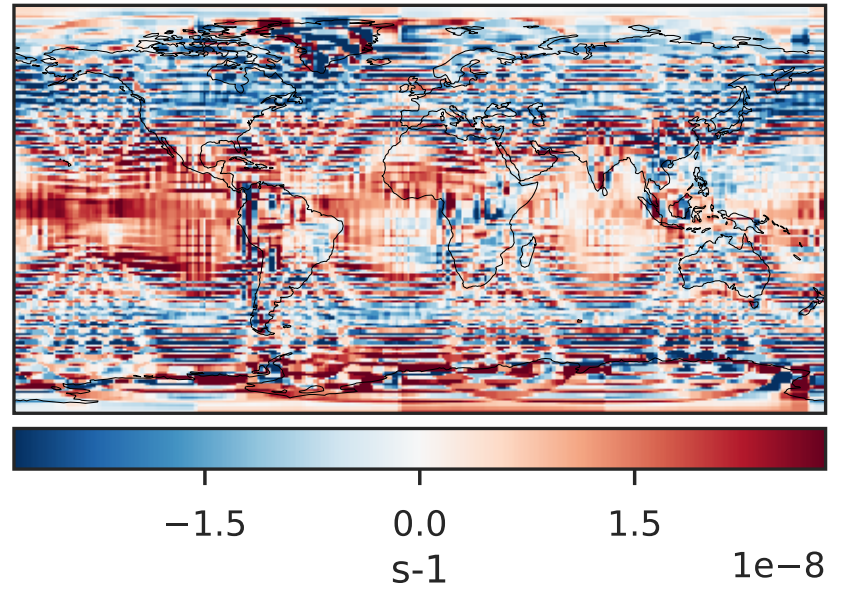
GCHP\_14.2.0 (Dev)  
c24



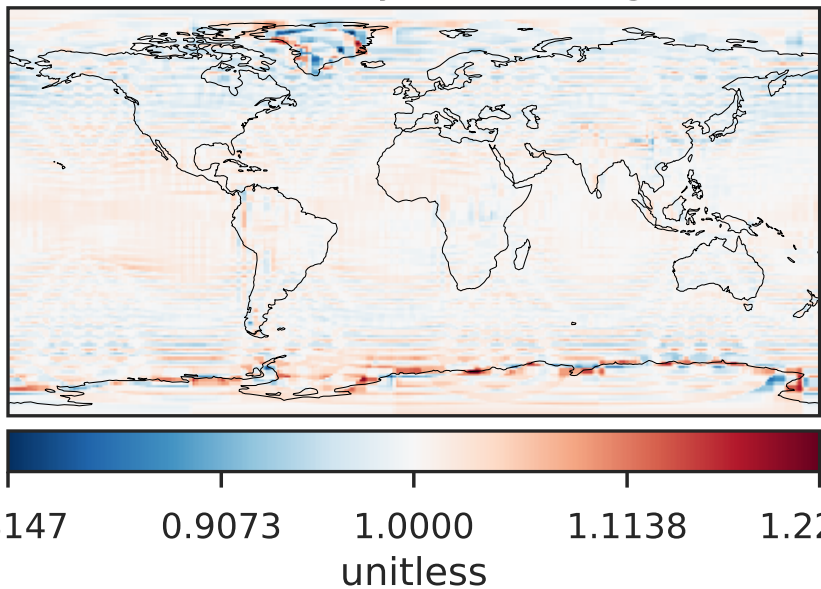
Difference (1x1.25)  
Dev - Ref, Dynamic Range



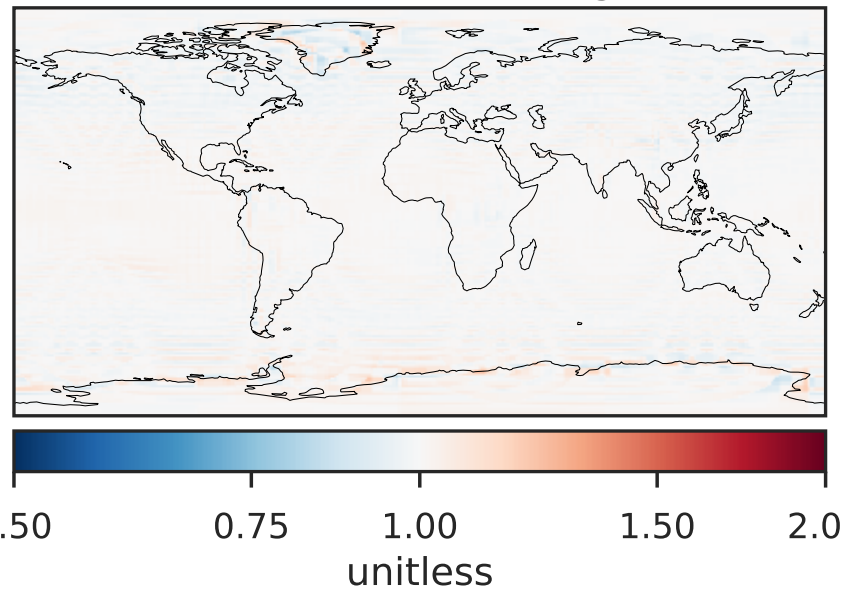
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)  
Dev/Ref, Dynamic Range

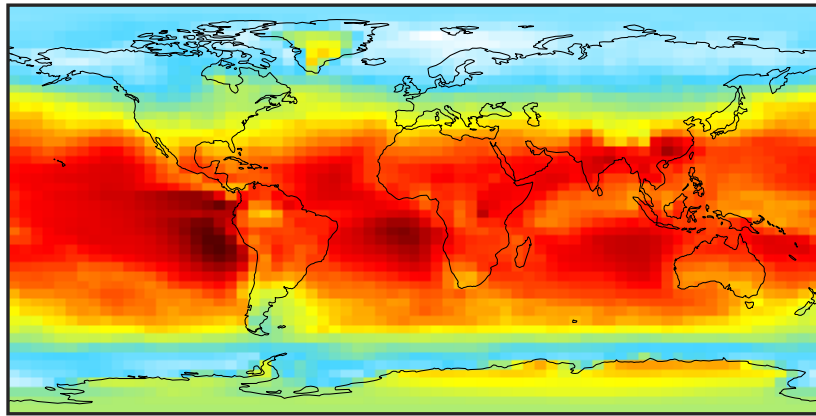


Ratio (1x1.25)  
Dev/Ref, Fixed Range



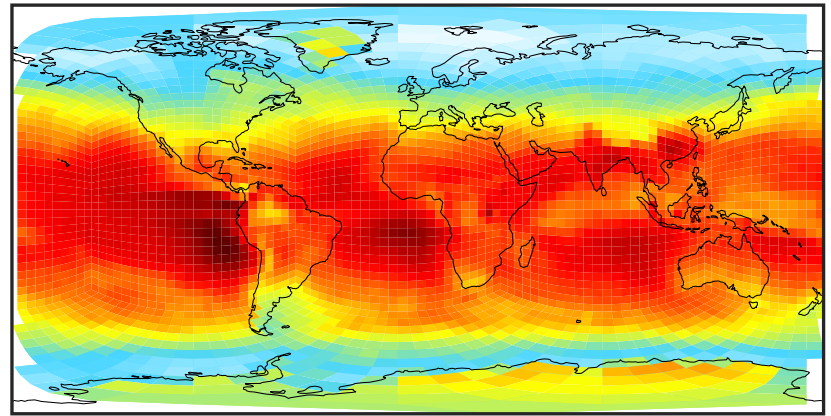
# Jval\_HPALD1 (AnnualMean)

GCC\_14.2.0 (Ref)  
4.0x5.0



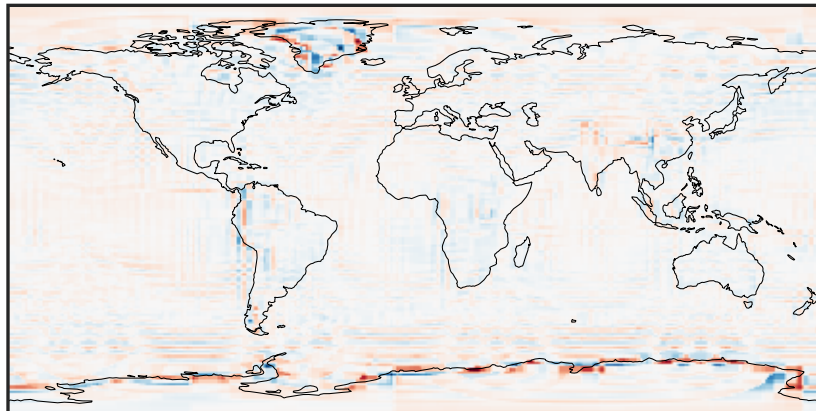
0.000100 0.000125 0.000150 0.000175  
s-1

GCHP\_14.2.0 (Dev)  
c24



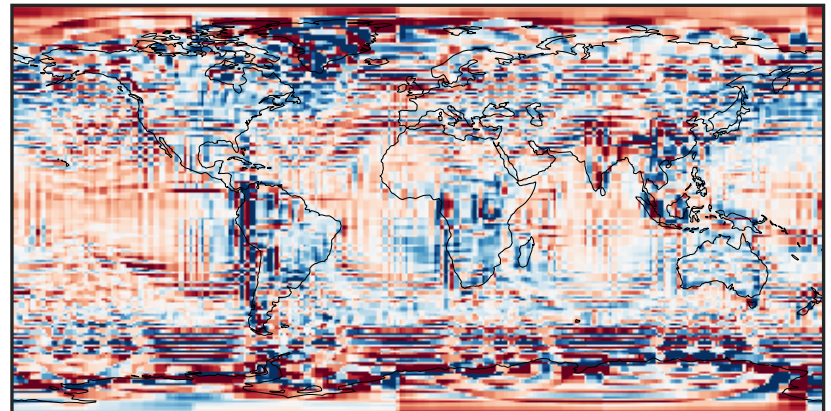
0.000100 0.000125 0.000150 0.000175  
s-1

Difference (1x1.25)  
Dev - Ref, Dynamic Range



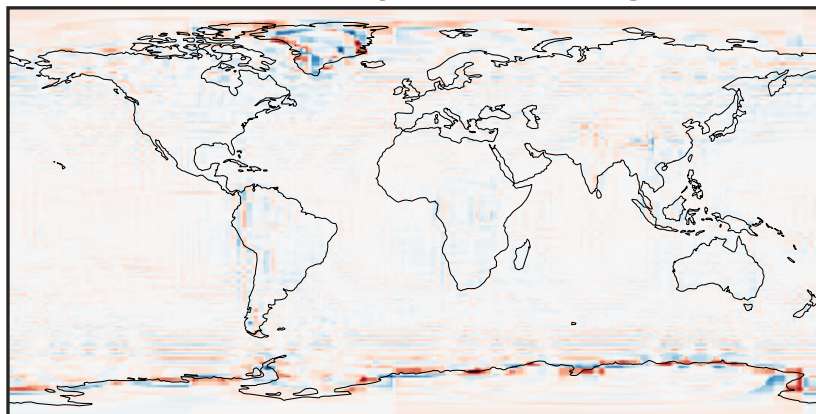
-1.5 0.0 1.5  
s-1 1e-5

Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



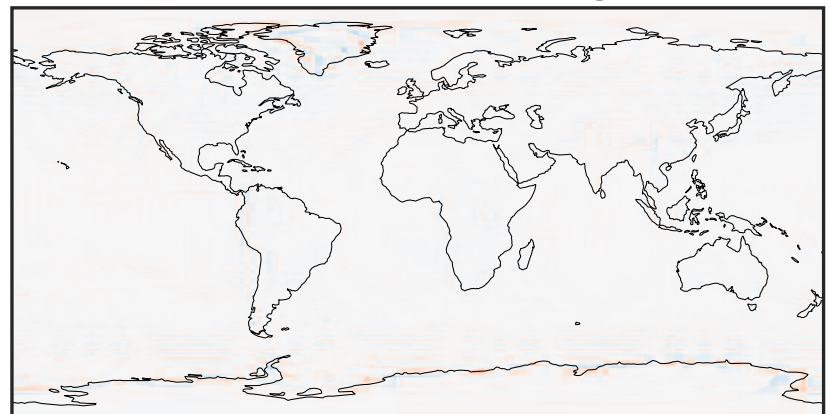
-2 0 2  
s-1 1e-6

Ratio (1x1.25)  
Dev/Ref, Dynamic Range



0.8186 0.9093 1.0000 1.1108 1.2215  
unitless

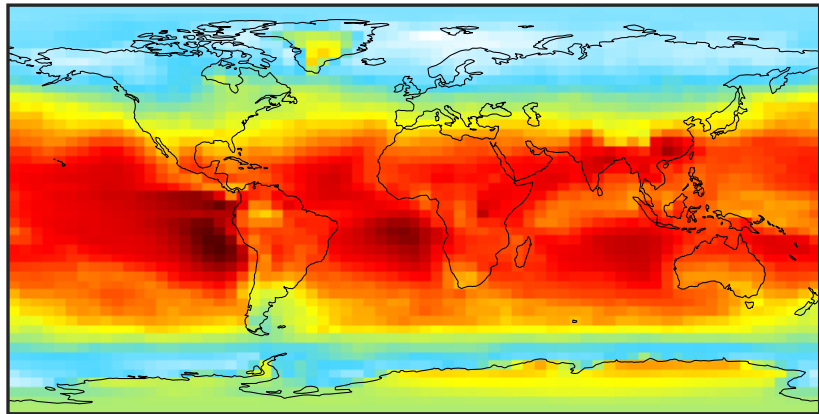
Ratio (1x1.25)  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

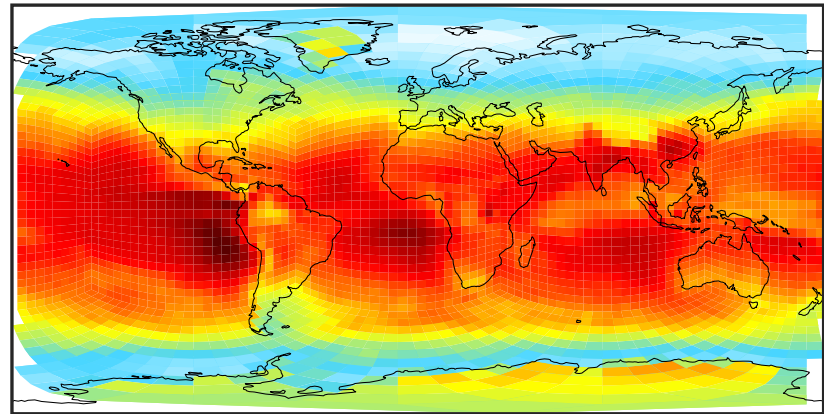
# Jval\_HPALD2 (AnnualMean)

GCC\_14.2.0 (Ref)  
4.0x5.0



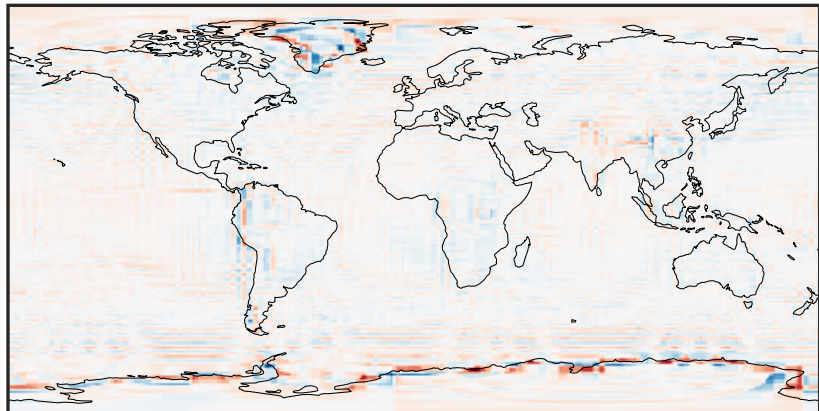
0.000100 0.000125 0.000150 0.000175  
s-1

GCHP\_14.2.0 (Dev)  
c24



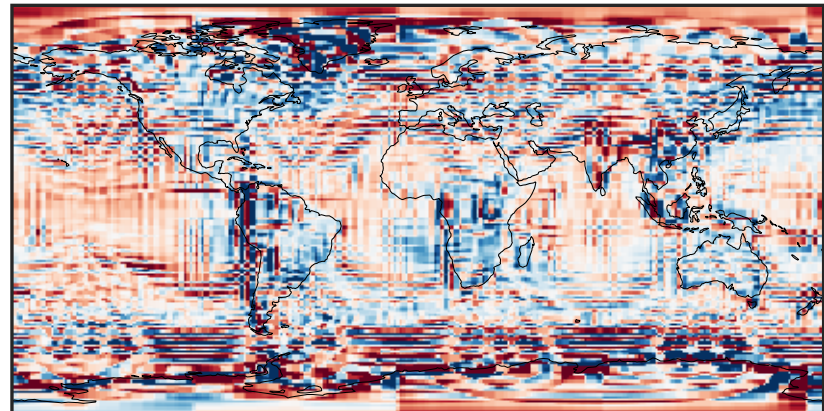
0.000100 0.000125 0.000150 0.000175  
s-1

Difference (1x1.25)  
Dev - Ref, Dynamic Range



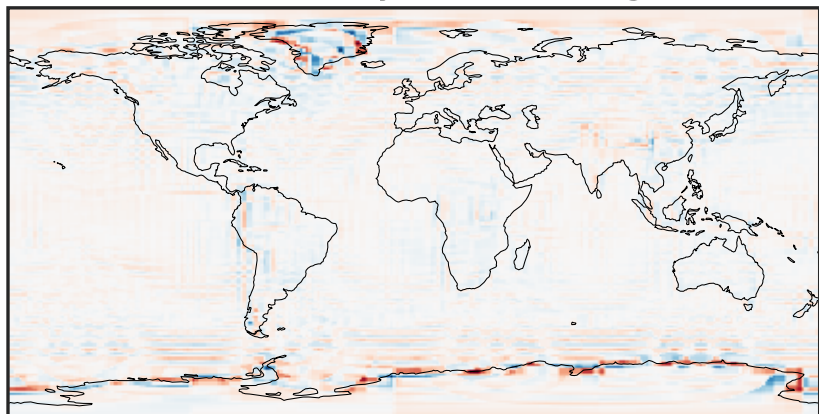
-1.5 0.0 1.5  
s-1 1e-5

Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



-2 0 2  
s-1 1e-6

Ratio (1x1.25)  
Dev/Ref, Dynamic Range



0.8186 0.9093 1.0000 1.1108 1.2215  
unitless

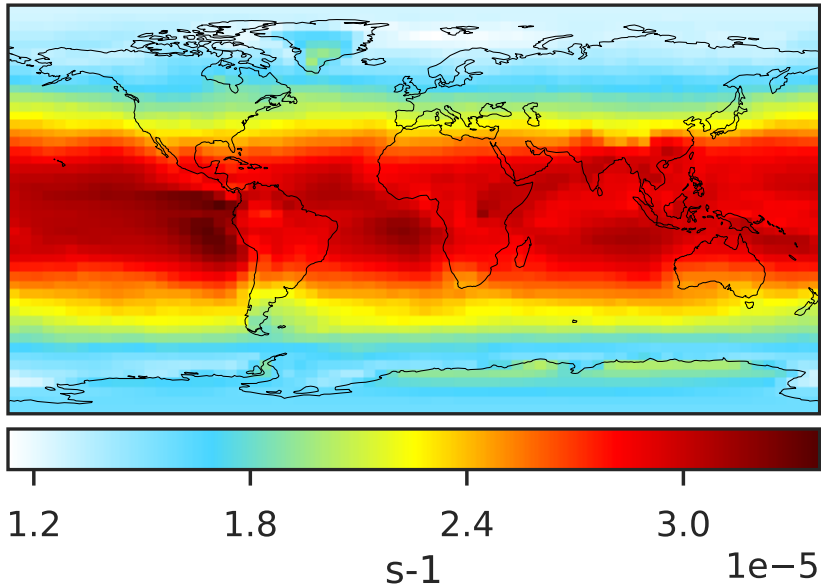
Ratio (1x1.25)  
Dev/Ref, Fixed Range



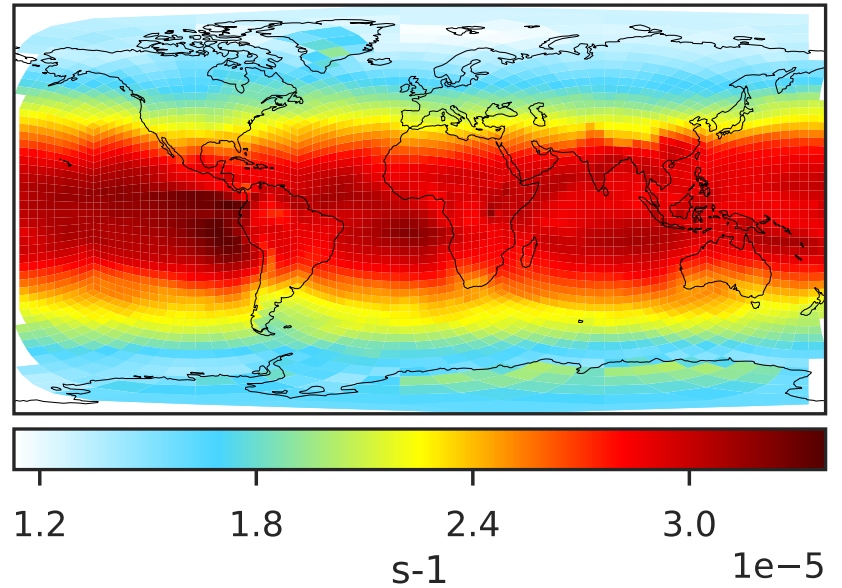
0.50 0.75 1.00 1.50 2.00  
unitless

# Jval\_HPALD3 (AnnualMean)

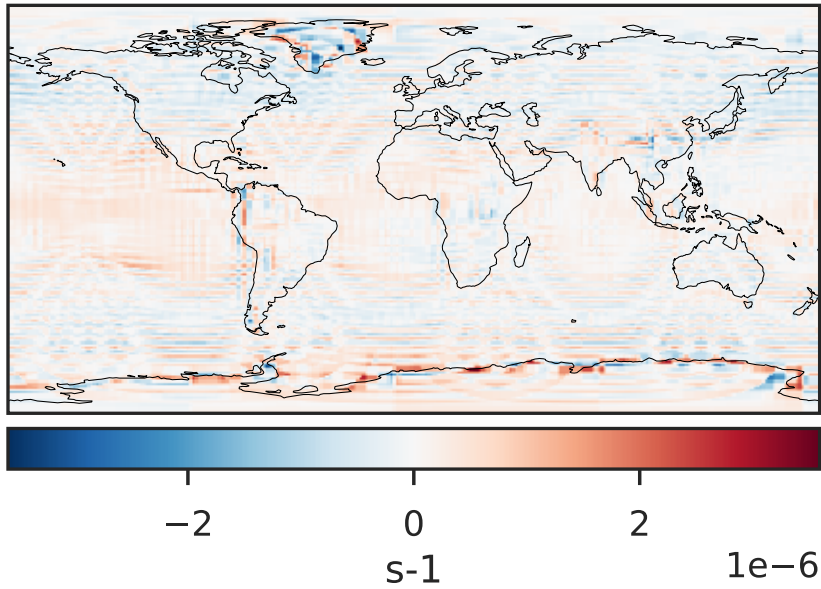
GCC\_14.2.0 (Ref)  
4.0x5.0



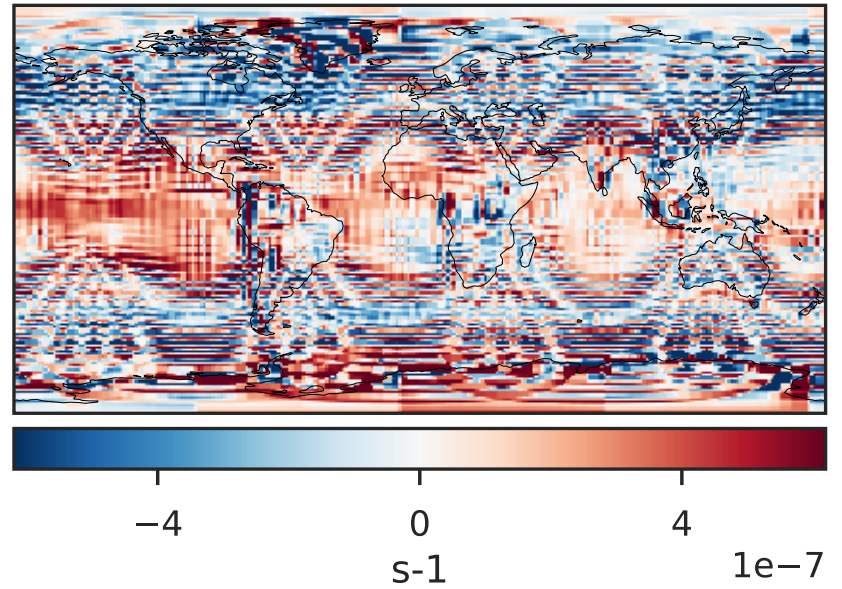
GCHP\_14.2.0 (Dev)  
c24



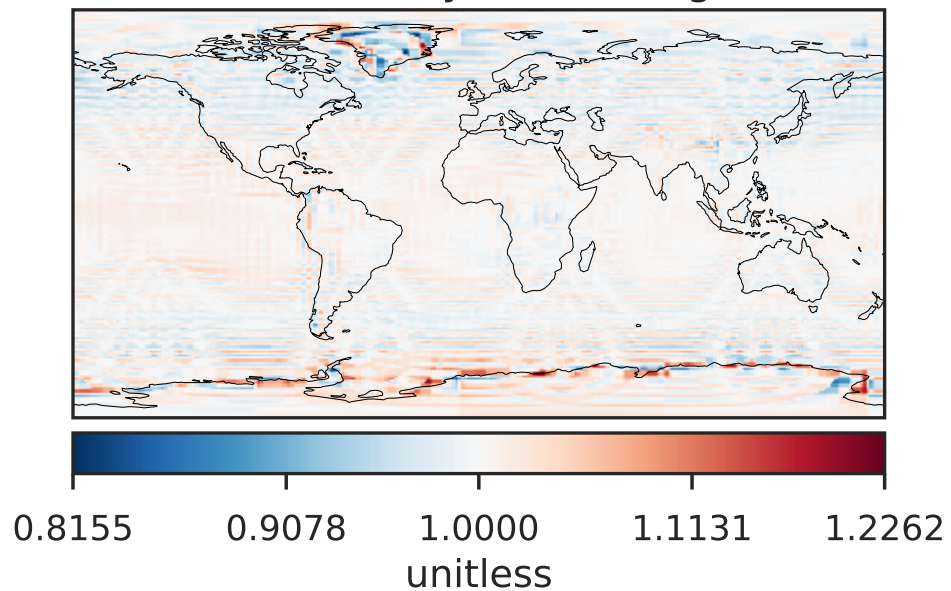
Difference (1x1.25)  
Dev - Ref, Dynamic Range



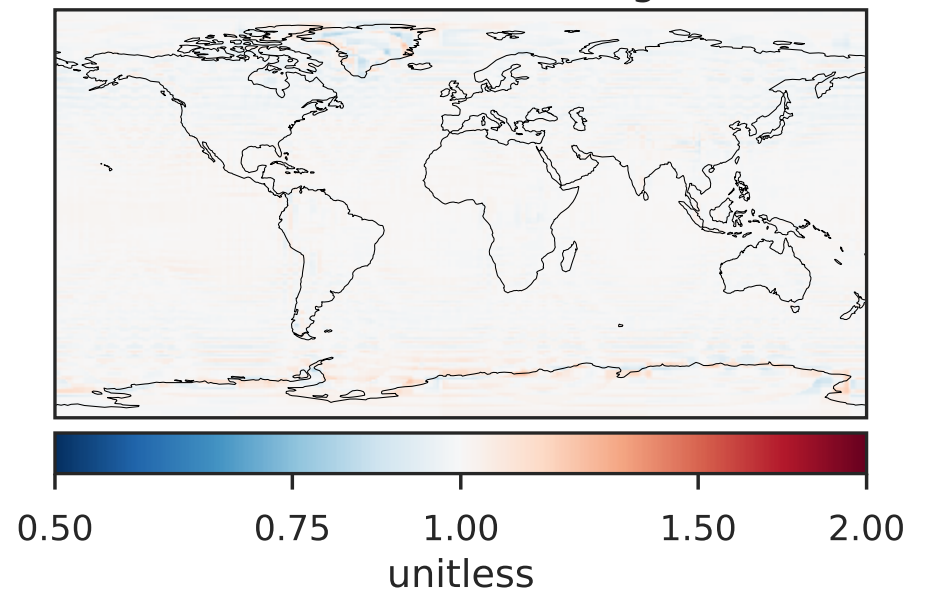
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)  
Dev/Ref, Dynamic Range



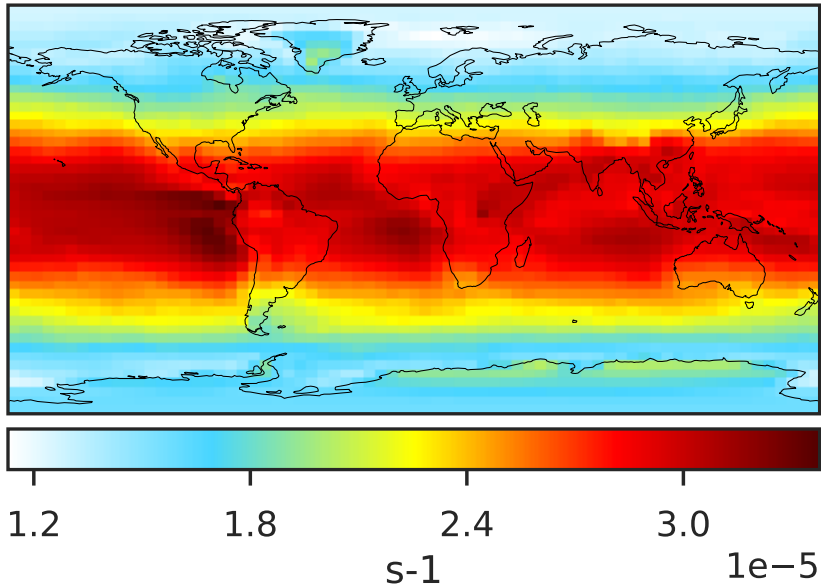
Ratio (1x1.25)  
Dev/Ref, Fixed Range



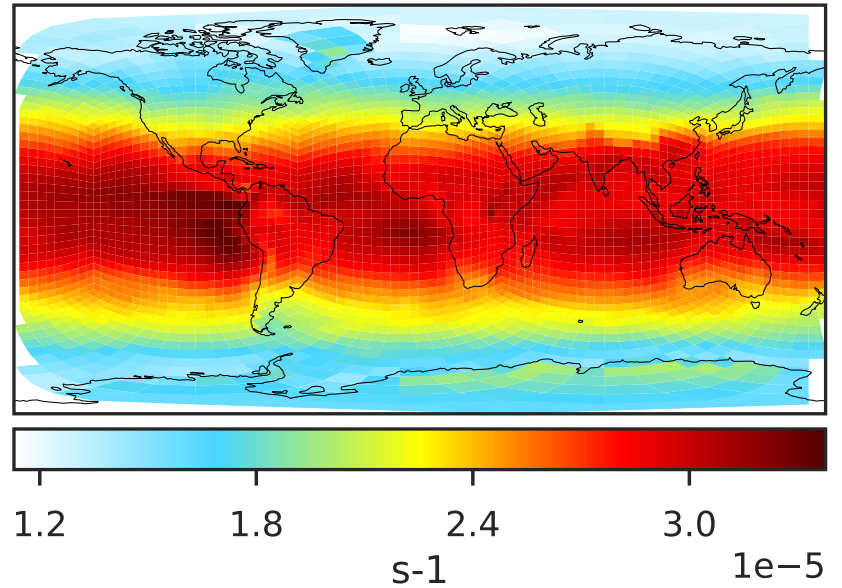


# Jval\_HPALD4 (AnnualMean)

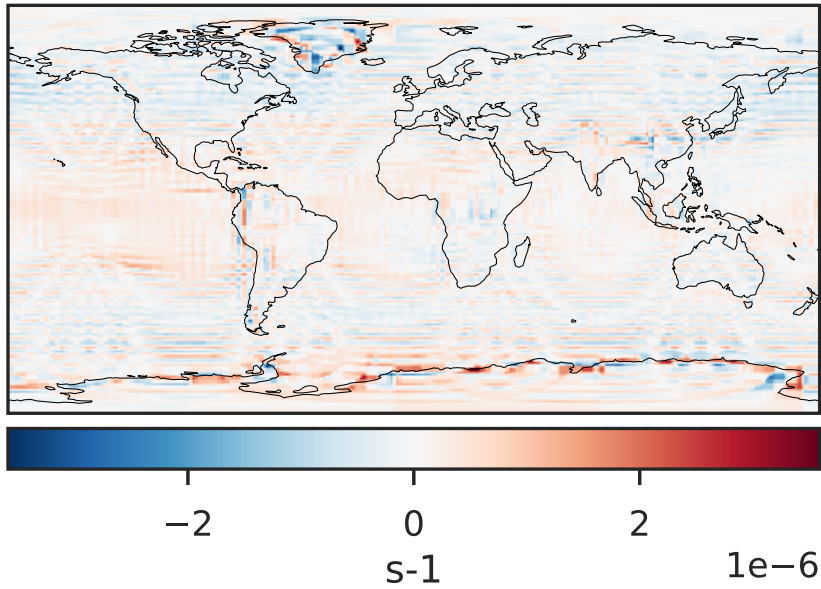
GCC\_14.2.0 (Ref)  
4.0x5.0



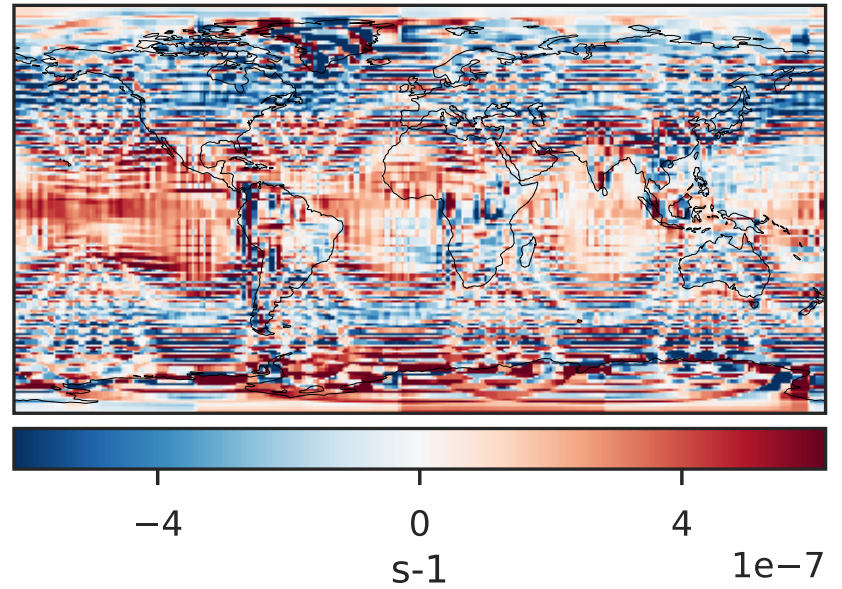
GCHP\_14.2.0 (Dev)  
c24



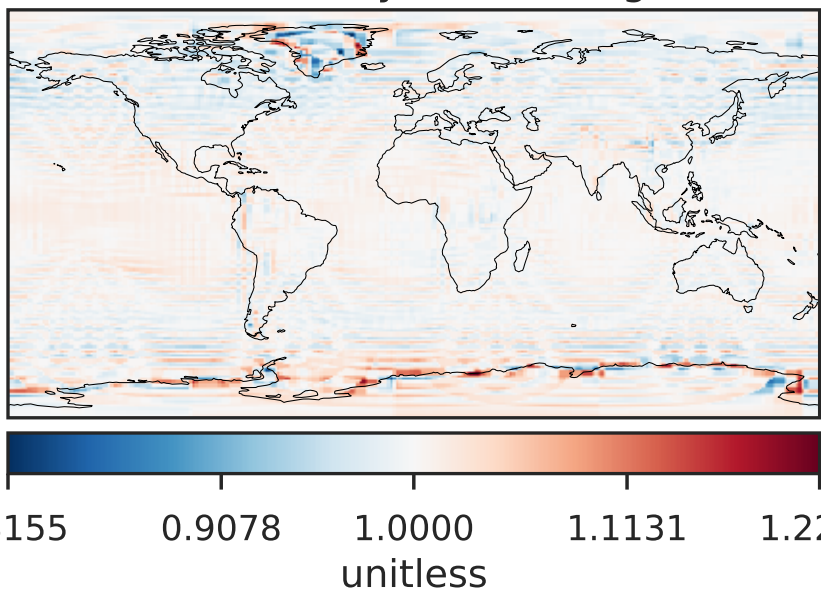
Difference (1x1.25)  
Dev - Ref, Dynamic Range



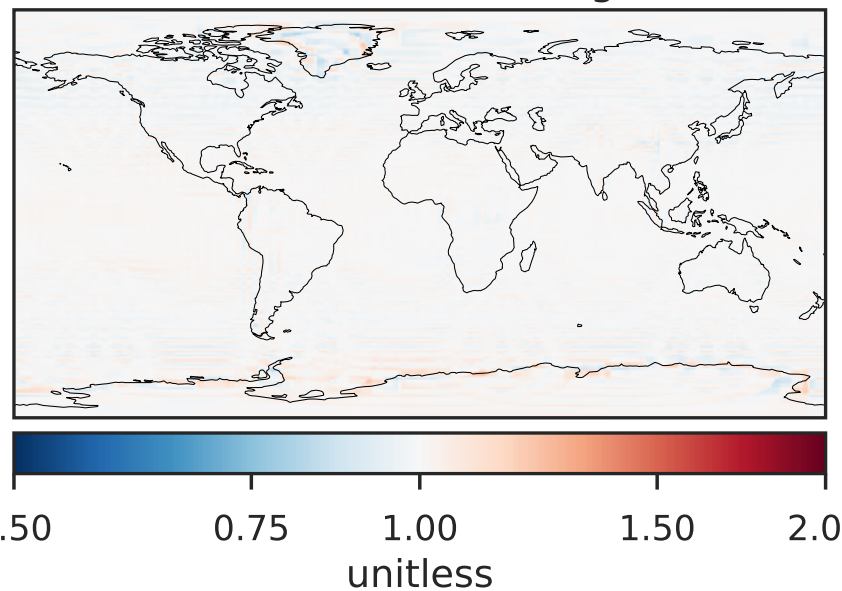
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)  
Dev/Ref, Dynamic Range

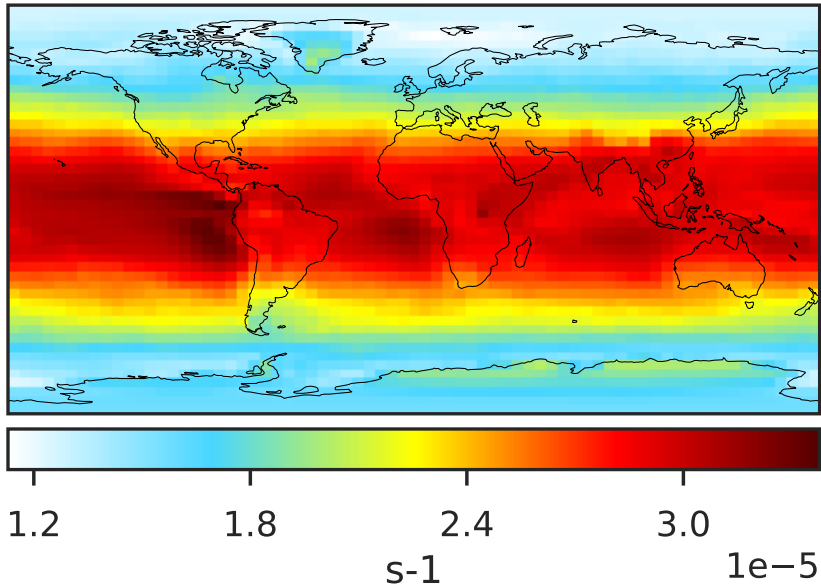


Ratio (1x1.25)  
Dev/Ref, Fixed Range

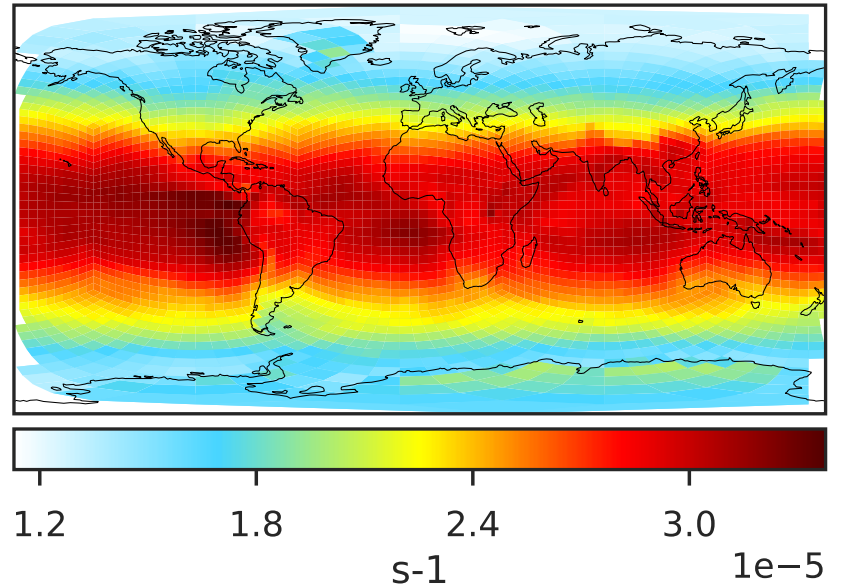


# Jval\_HPETHNL (AnnualMean)

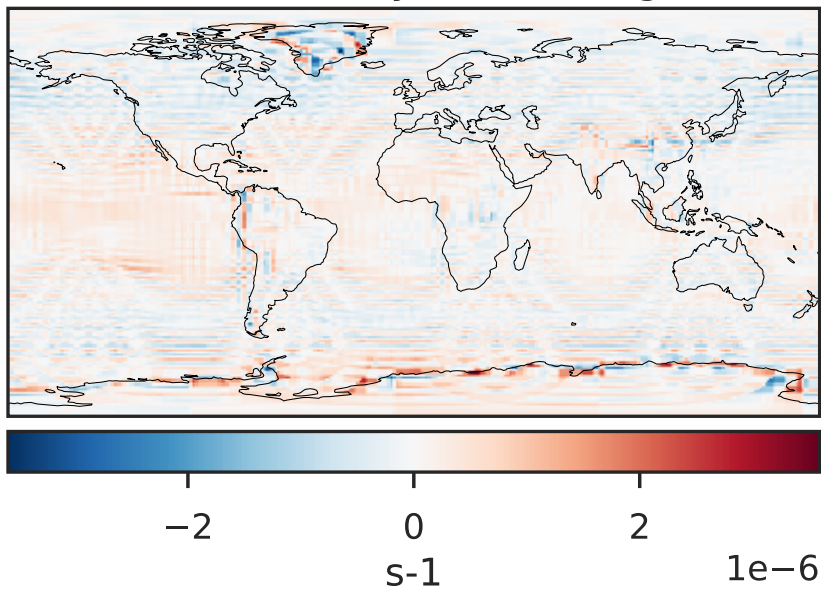
GCC\_14.2.0 (Ref)  
4.0x5.0



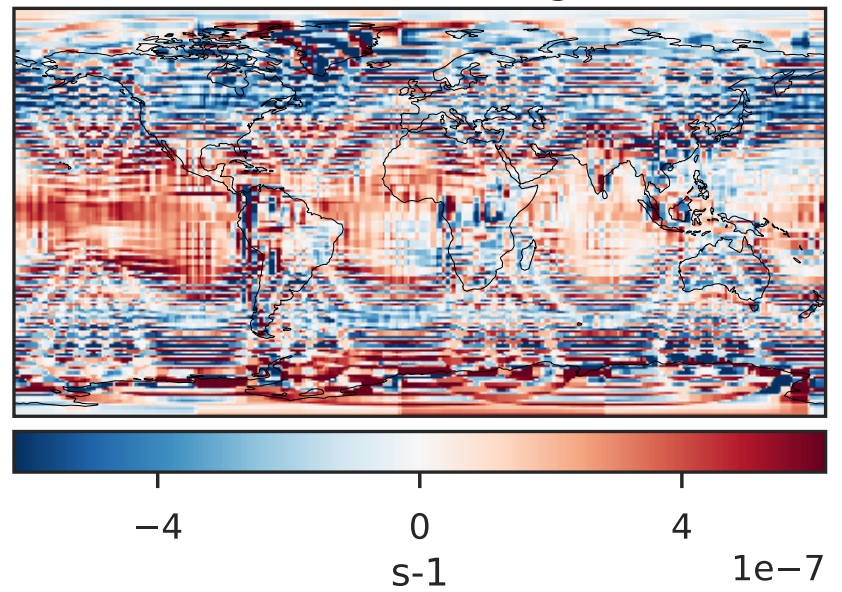
GCHP\_14.2.0 (Dev)  
c24



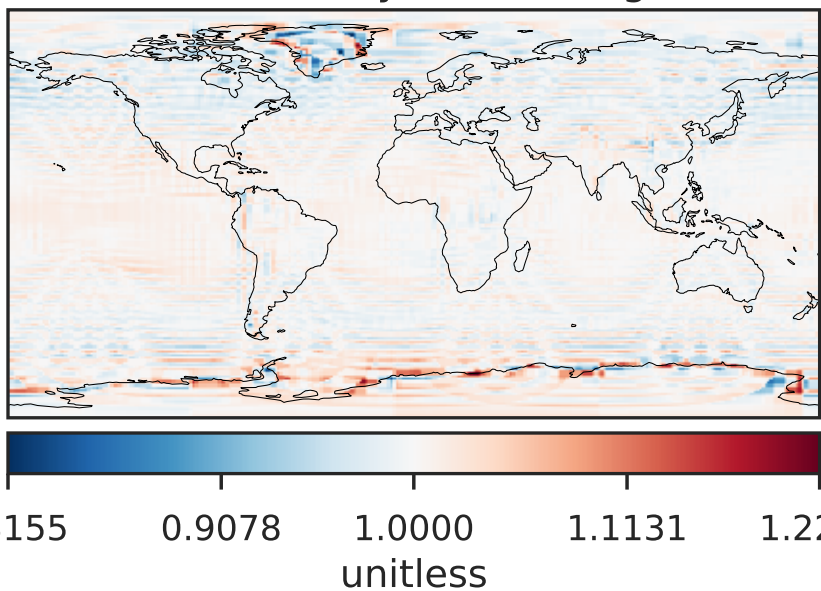
Difference (1x1.25)  
Dev - Ref, Dynamic Range



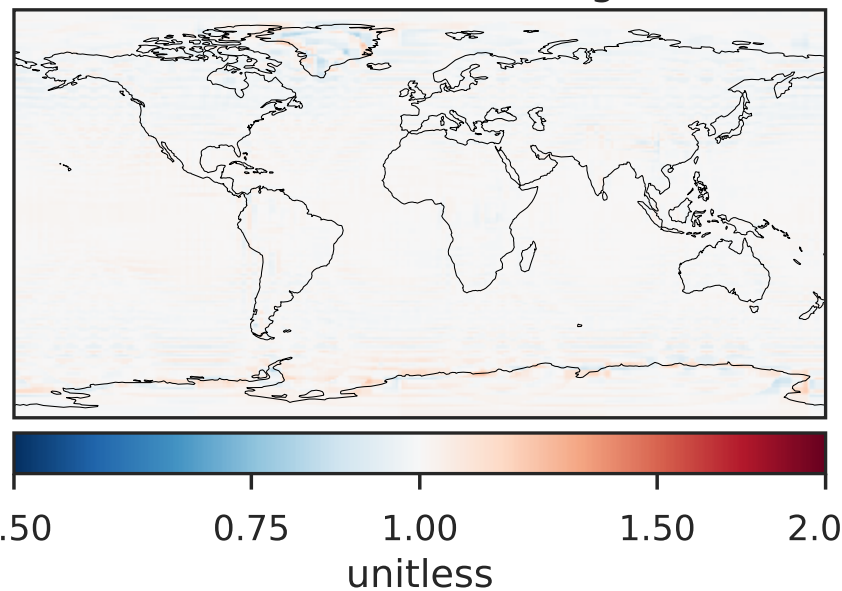
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)  
Dev/Ref, Dynamic Range

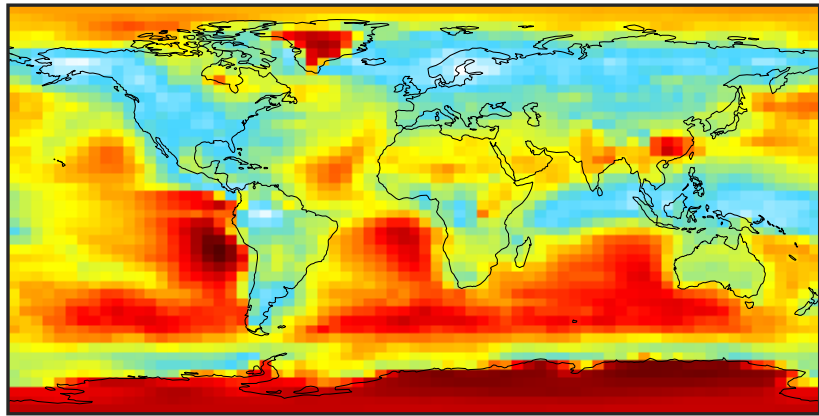


Ratio (1x1.25)  
Dev/Ref, Fixed Range



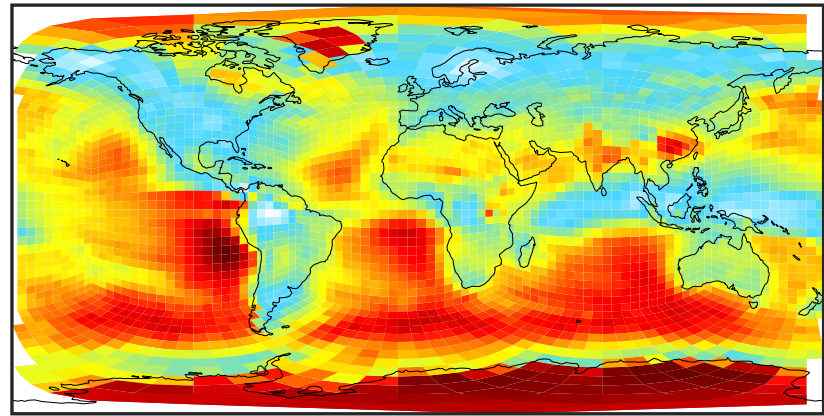
# Jval\_I2 (AnnualMean)

GCC\_14.2.0 (Ref)  
4.0x5.0



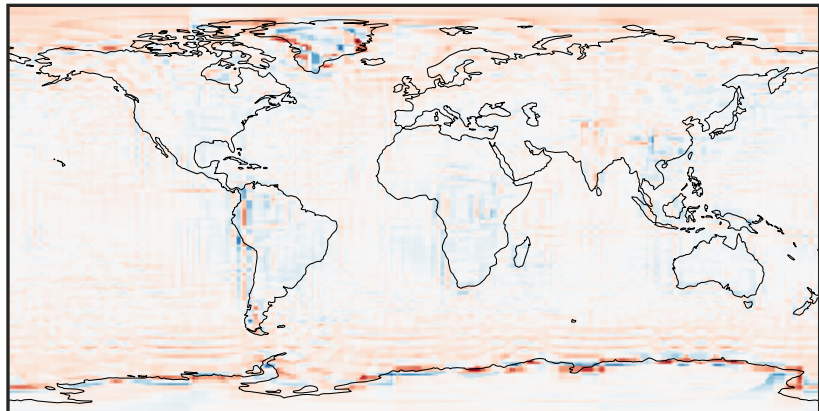
0.090 0.105 0.120  
s-1

GCHP\_14.2.0 (Dev)  
c24



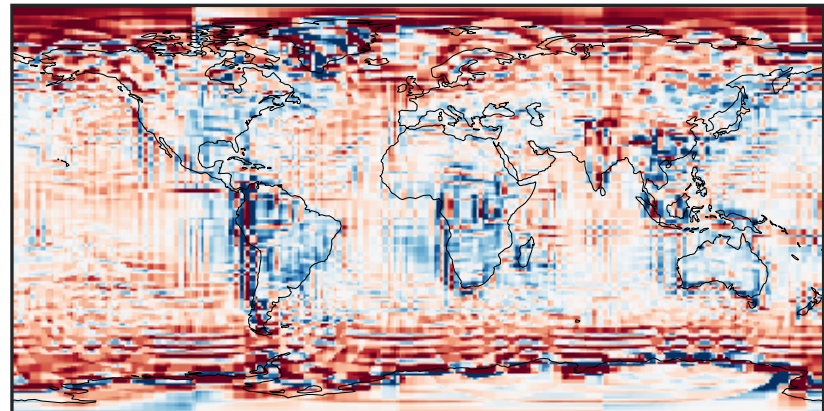
0.090 0.105 0.120  
s-1

Difference (1x1.25)  
Dev - Ref, Dynamic Range



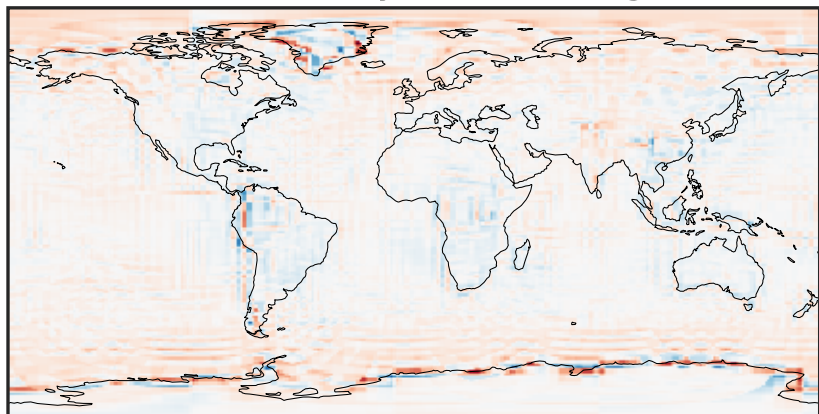
-0.01 0.00 0.01  
s-1

Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



-0.002 0.000 0.002  
s-1

Ratio (1x1.25)  
Dev/Ref, Dynamic Range



0.8345 0.9172 1.0000 1.0992 1.1983  
unitless

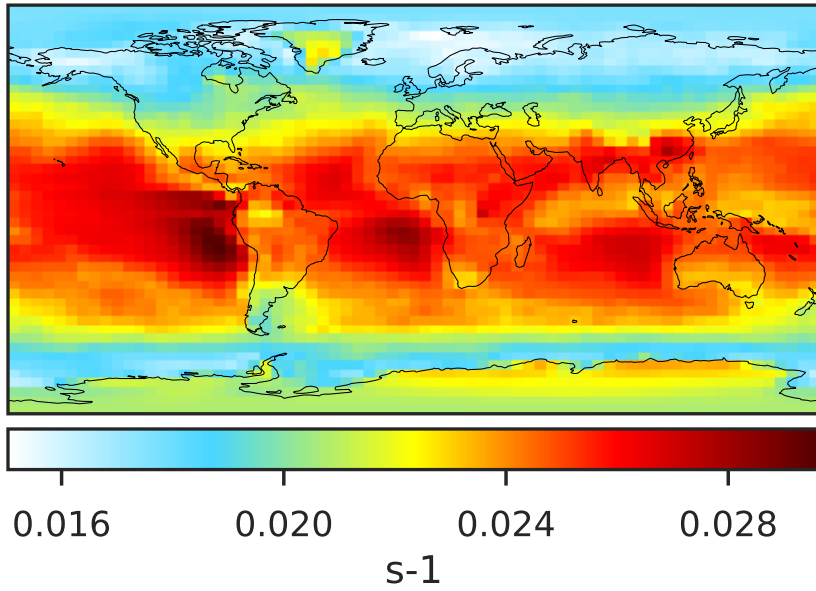
Ratio (1x1.25)  
Dev/Ref, Fixed Range



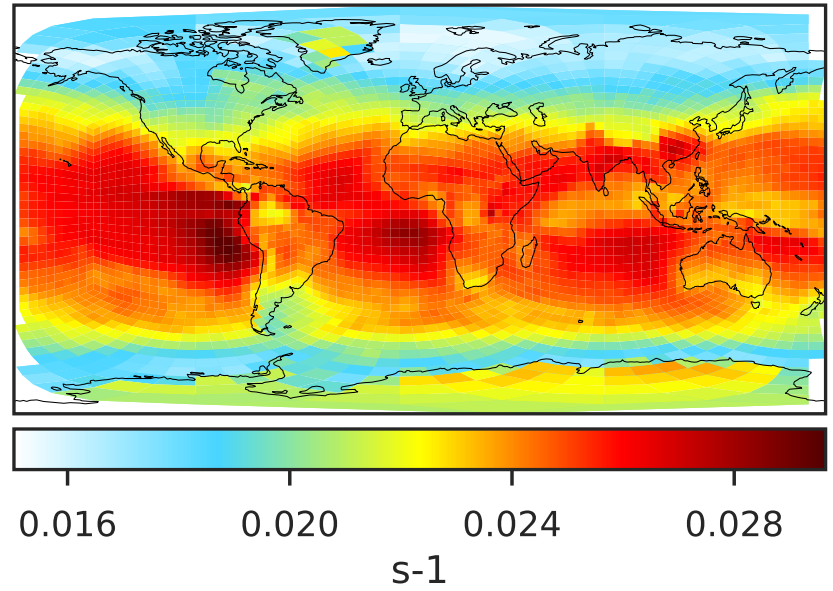
0.50 0.75 1.00 1.50 2.00  
unitless

# Jval\_I2O2 (AnnualMean)

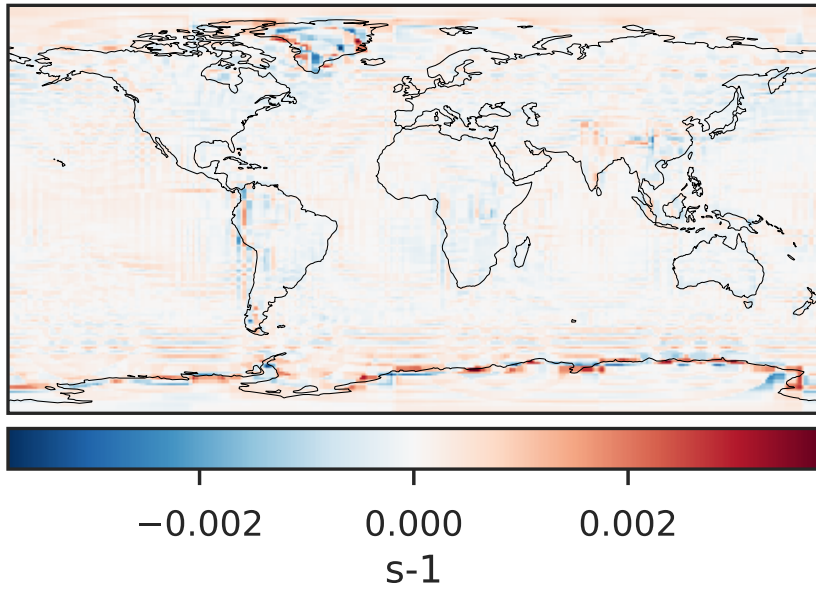
GCC\_14.2.0 (Ref)  
4.0x5.0



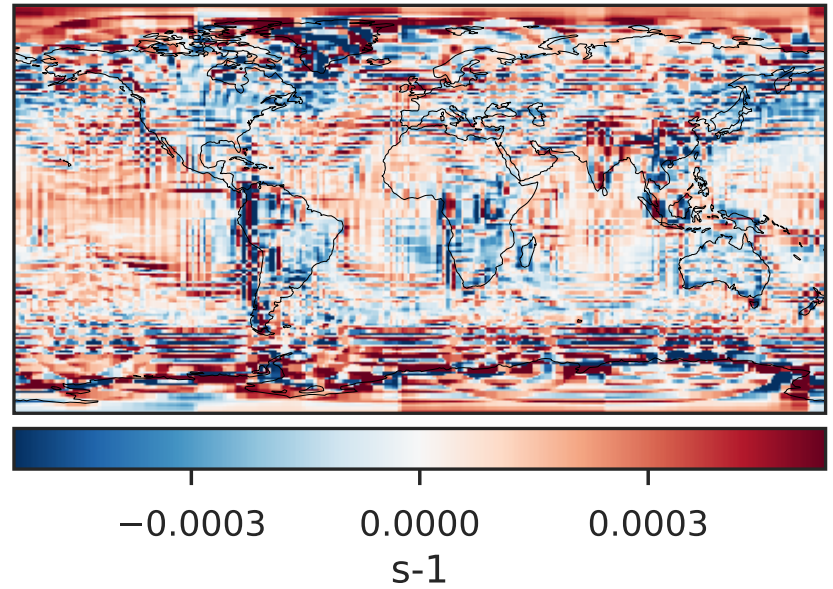
GCHP\_14.2.0 (Dev)  
c24



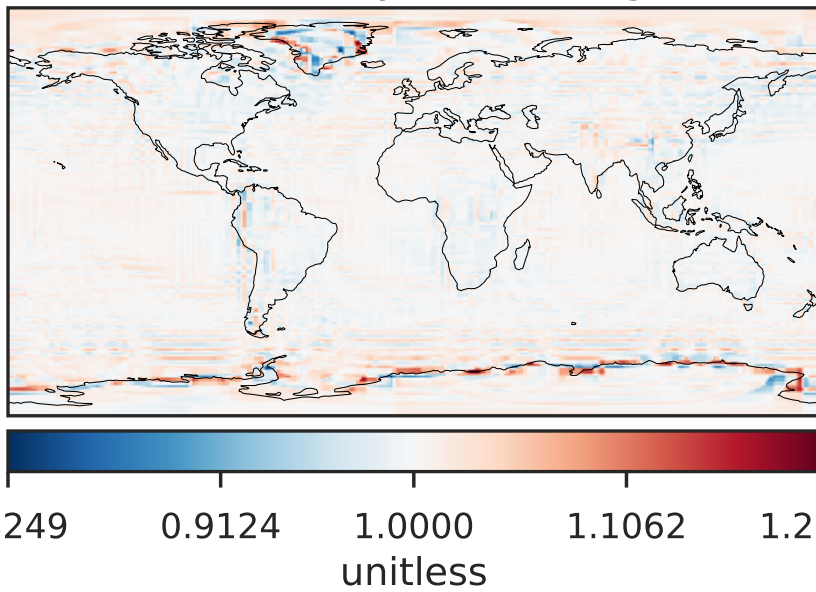
Difference (1x1.25)  
Dev - Ref, Dynamic Range



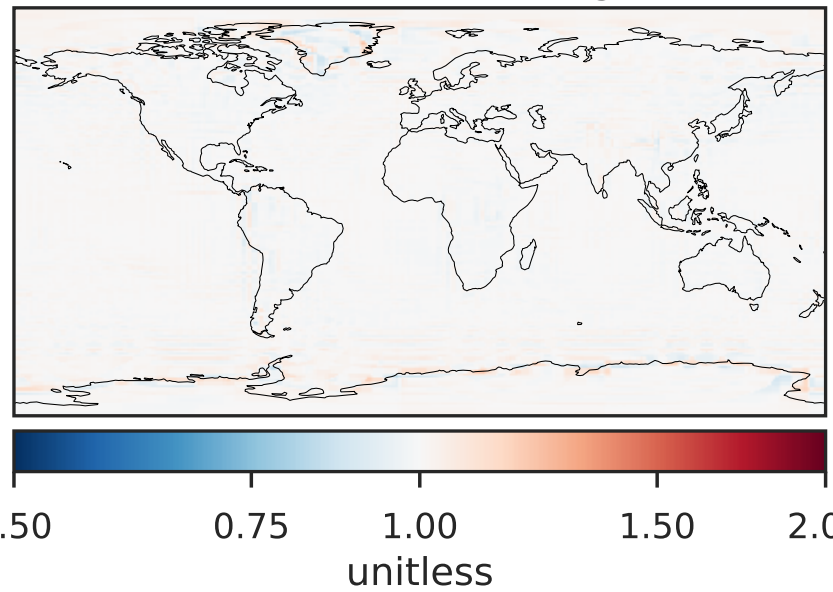
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)  
Dev/Ref, Dynamic Range

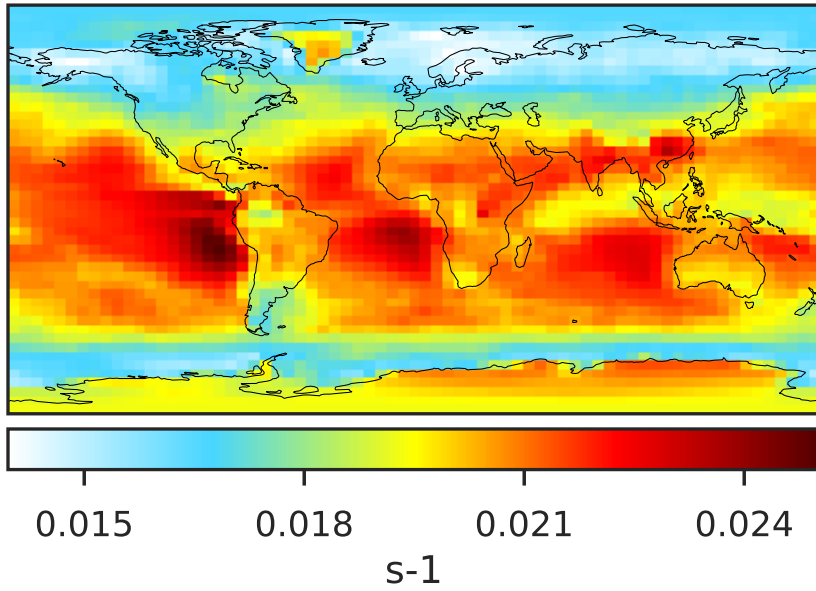


Ratio (1x1.25)  
Dev/Ref, Fixed Range

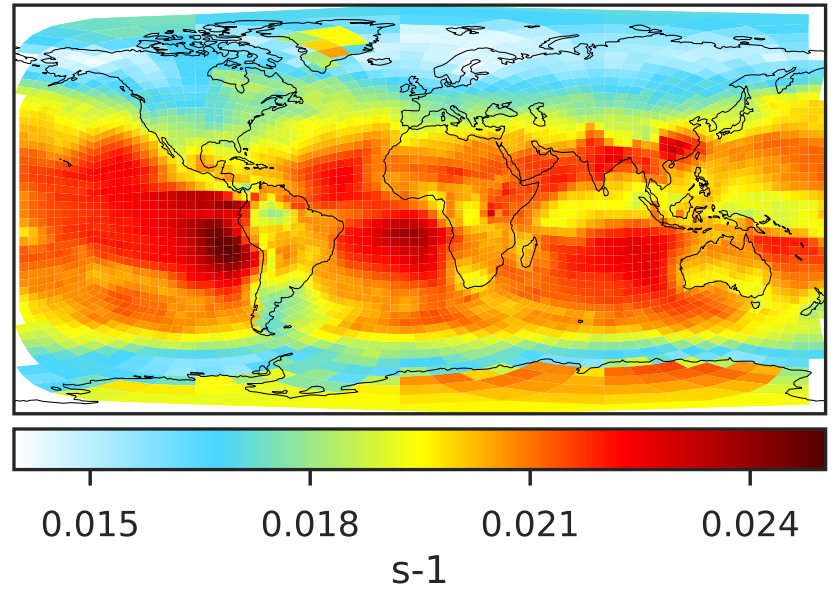


# Jval\_I203 (AnnualMean)

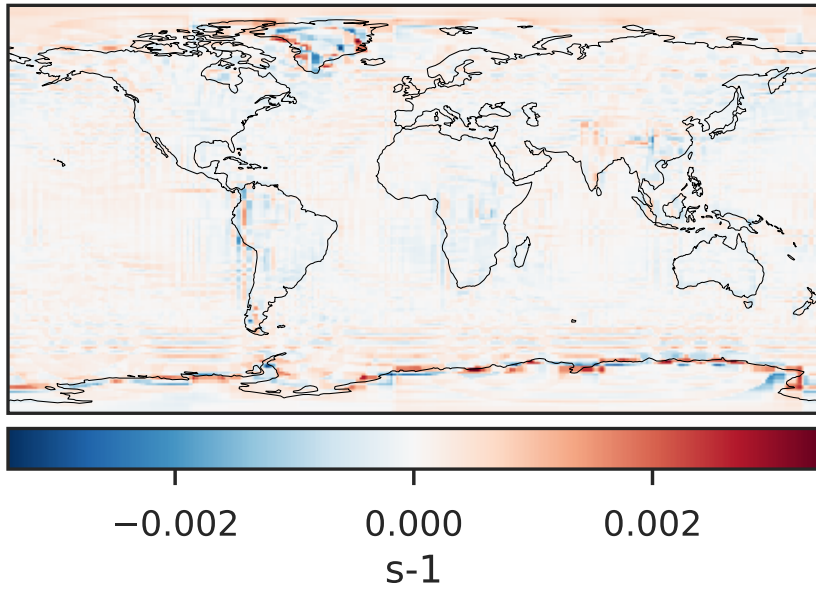
GCC\_14.2.0 (Ref)  
4.0x5.0



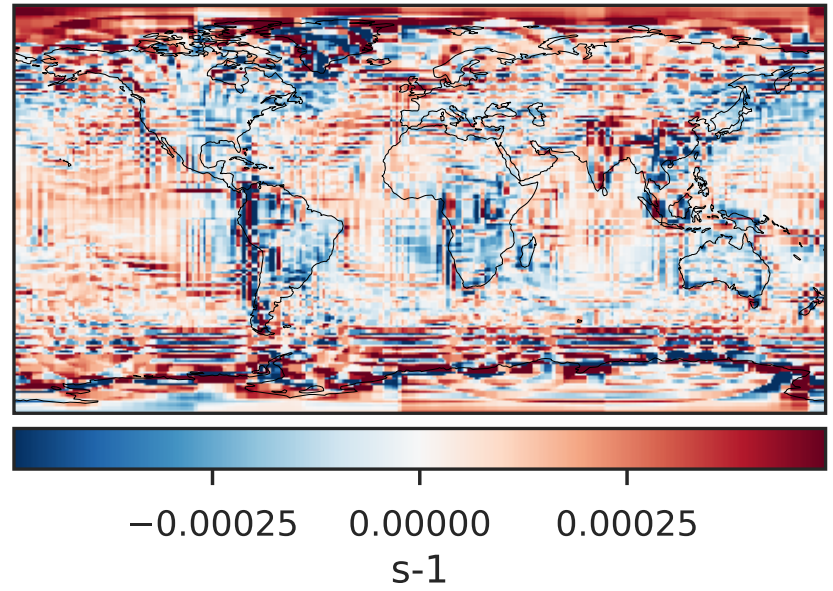
GCHP\_14.2.0 (Dev)  
c24



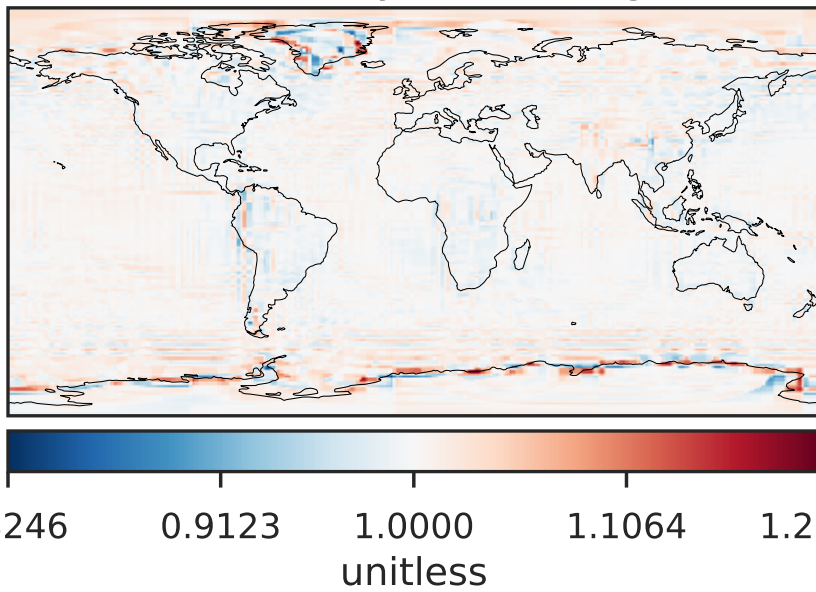
Difference (1x1.25)  
Dev - Ref, Dynamic Range



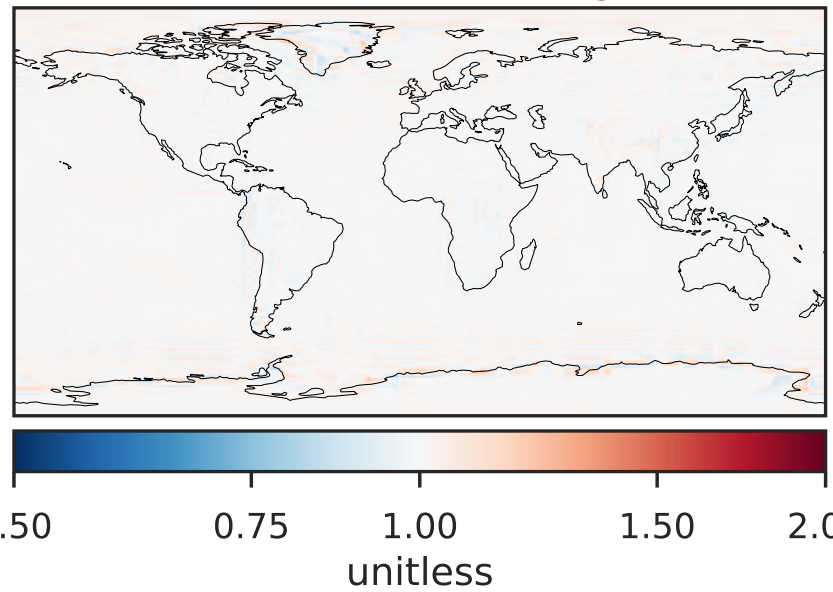
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)  
Dev/Ref, Dynamic Range

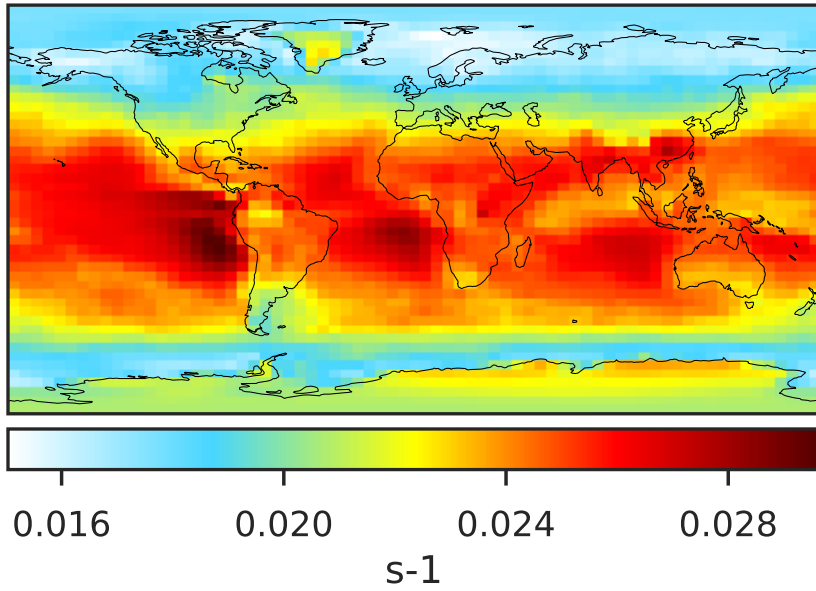


Ratio (1x1.25)  
Dev/Ref, Fixed Range

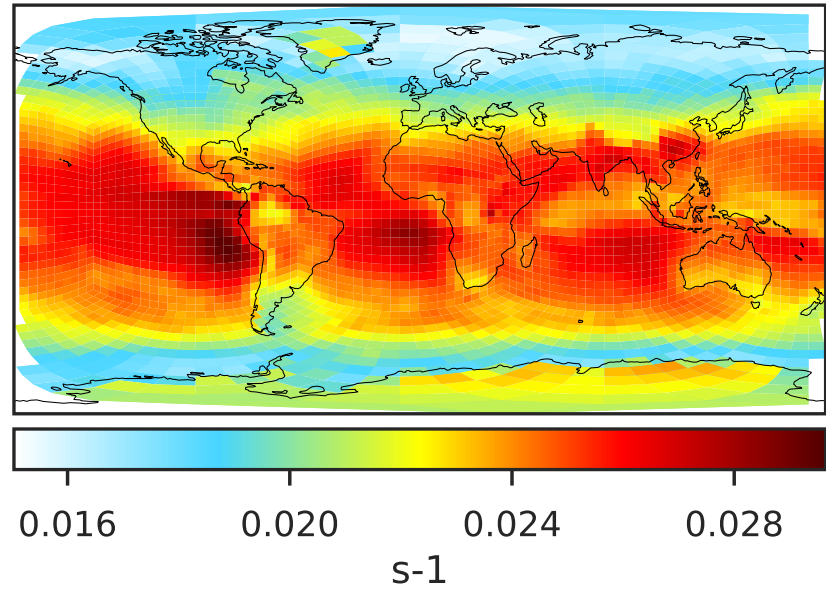


# Jval\_I2O4 (AnnualMean)

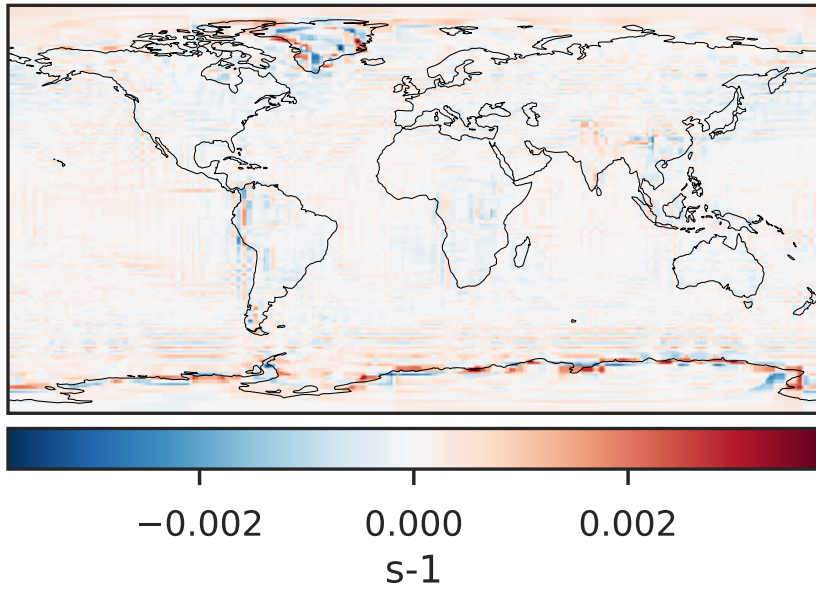
GCC\_14.2.0 (Ref)  
4.0x5.0



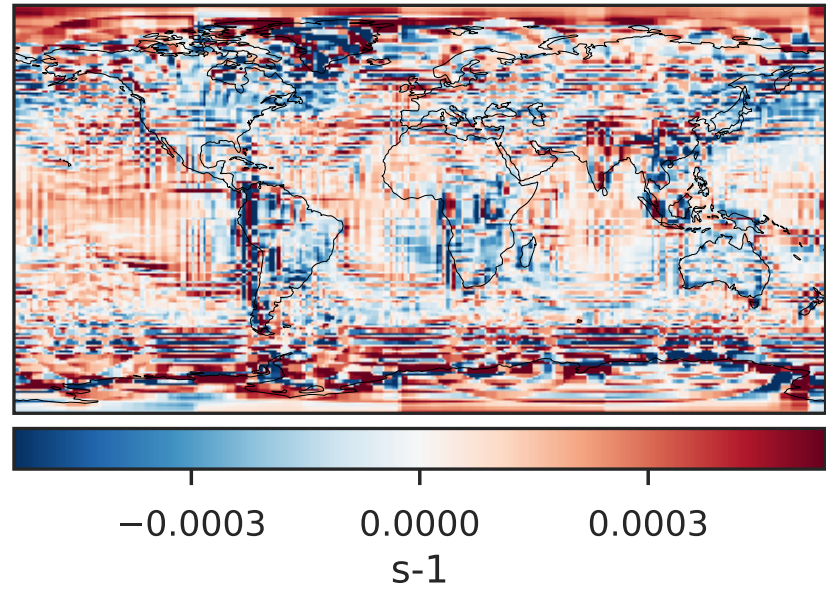
GCHP\_14.2.0 (Dev)  
c24



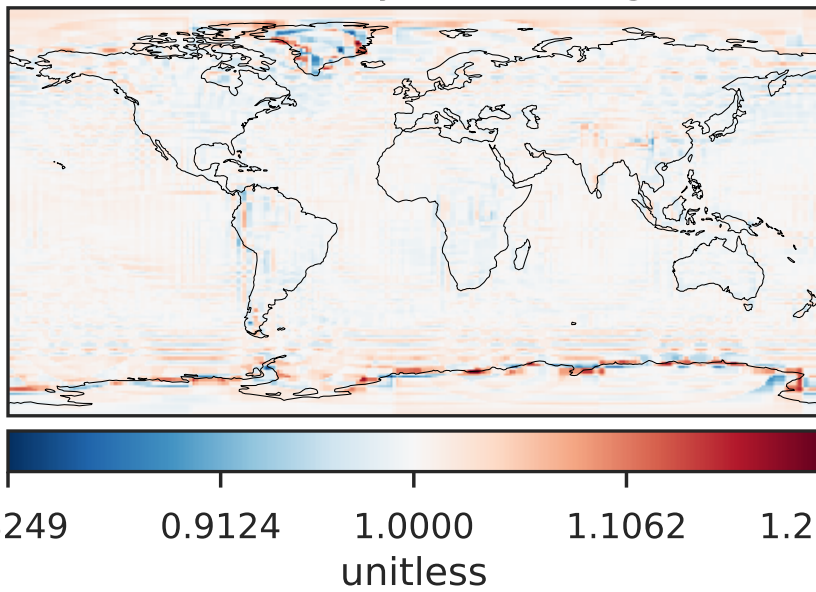
Difference (1x1.25)  
Dev - Ref, Dynamic Range



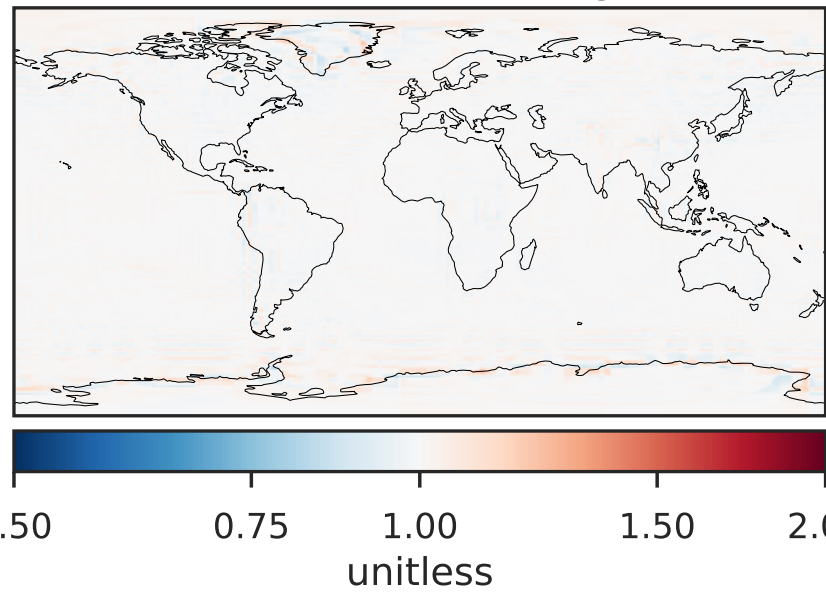
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)  
Dev/Ref, Dynamic Range

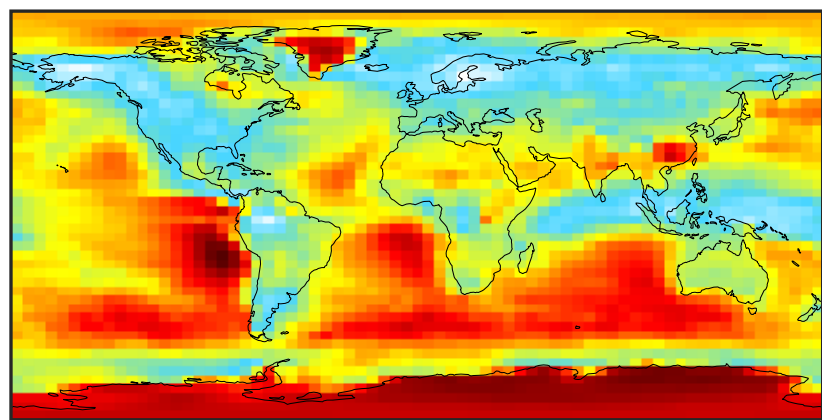


Ratio (1x1.25)  
Dev/Ref, Fixed Range



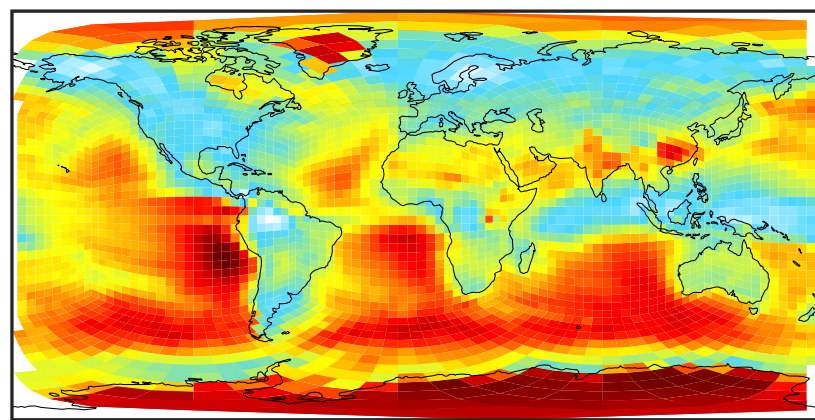
# Jval\_IBr (AnnualMean)

GCC\_14.2.0 (Ref)  
4.0x5.0



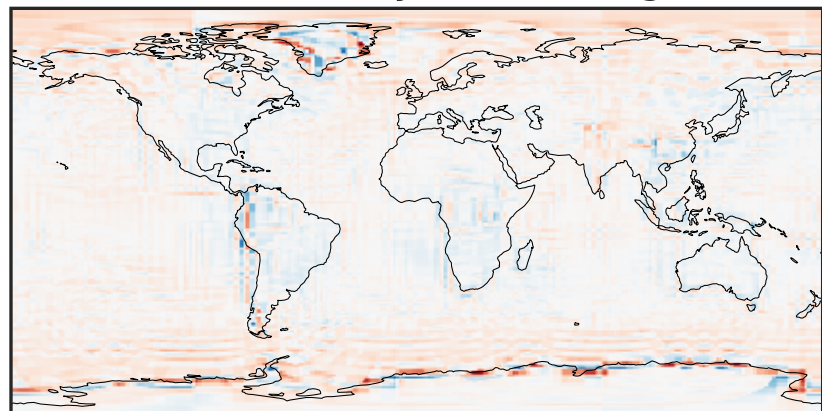
0.035 0.040 0.045 0.050  
s-1

GCHP\_14.2.0 (Dev)  
c24



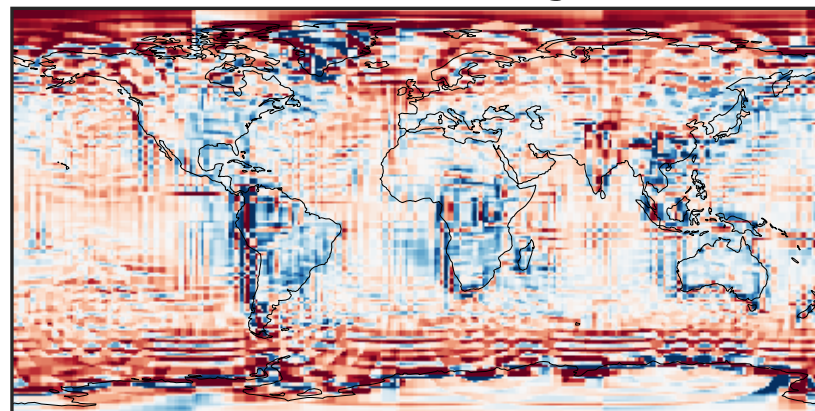
0.035 0.040 0.045 0.050  
s-1

Difference (1x1.25)  
Dev - Ref, Dynamic Range



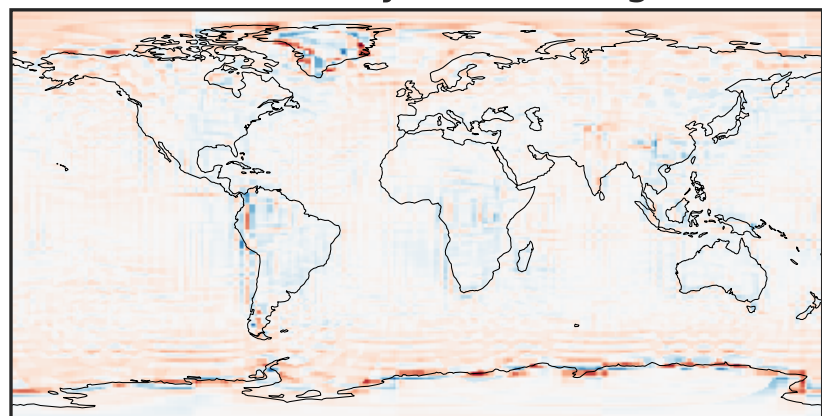
-0.004 0.000 0.004  
s-1

Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



-0.0008 0.0000 0.0008  
s-1

Ratio (1x1.25)  
Dev/Ref, Dynamic Range



0.8343 0.9171 1.0000 1.0993 1.1986  
unitless

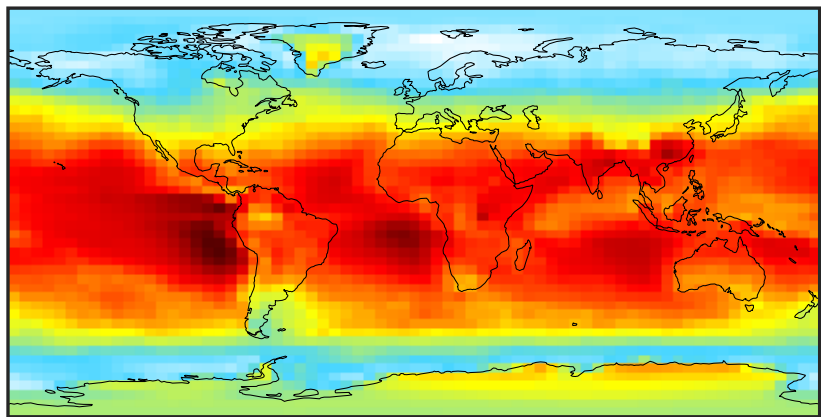
Ratio (1x1.25)  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

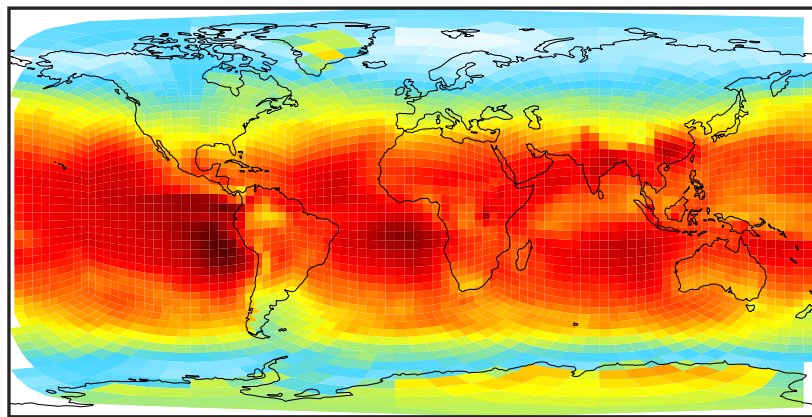
# Jval\_ICN (AnnualMean)

GCC\_14.2.0 (Ref)  
4.0x5.0



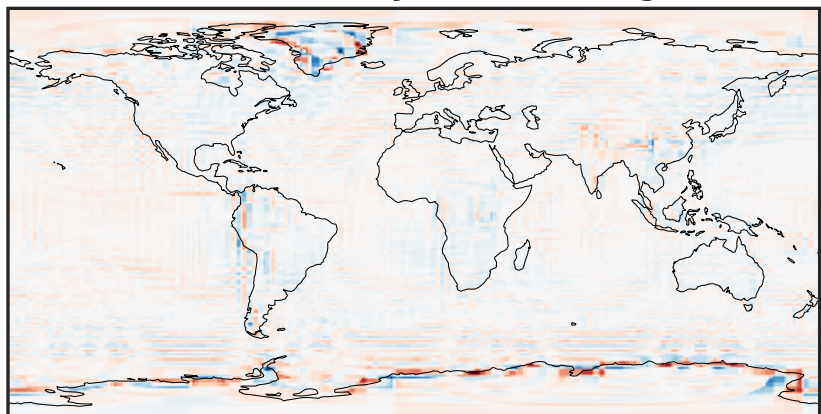
0.000100 0.000125 0.000150 0.000175  
s-1

GCHP\_14.2.0 (Dev)  
c24



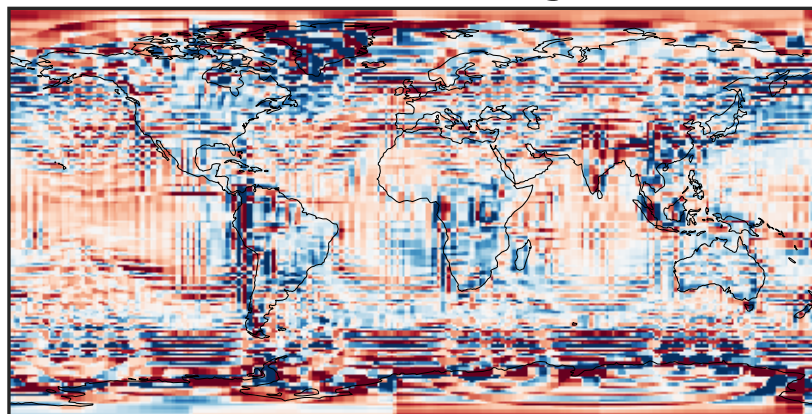
0.000100 0.000125 0.000150 0.000175  
s-1

Difference (1x1.25)  
Dev - Ref, Dynamic Range



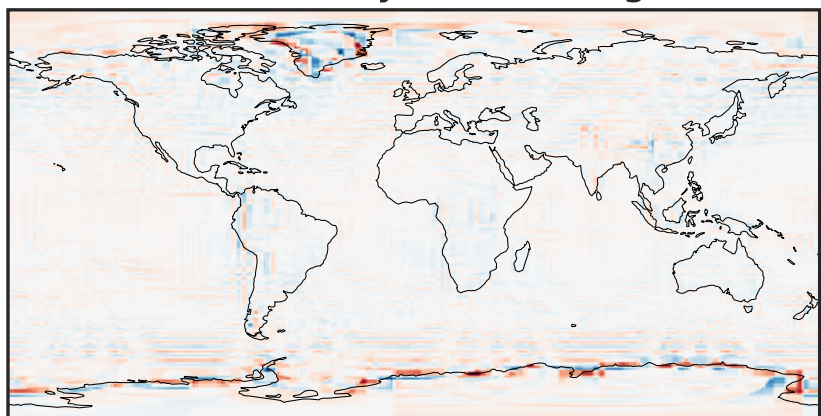
-1.5 0.0 1.5  
s-1 1e-5

Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



-2 0 2  
s-1 1e-6

Ratio (1x1.25)  
Dev/Ref, Dynamic Range



0.8187 0.9093 1.0000 1.1108 1.2215  
unitless

Ratio (1x1.25)  
Dev/Ref, Fixed Range

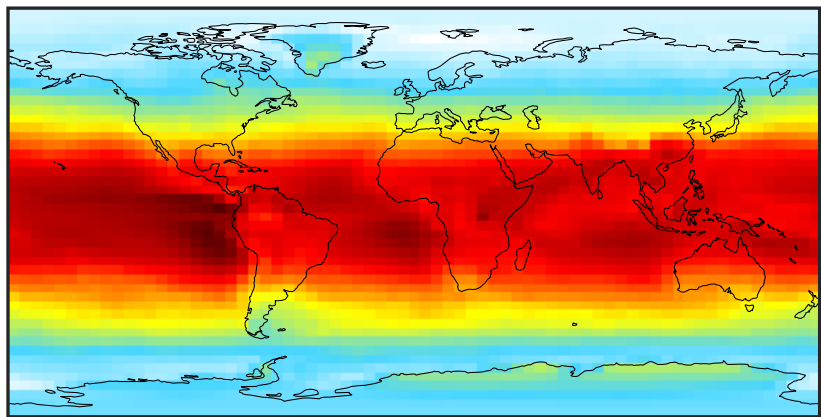


0.50 0.75 1.00 1.50 2.00  
unitless



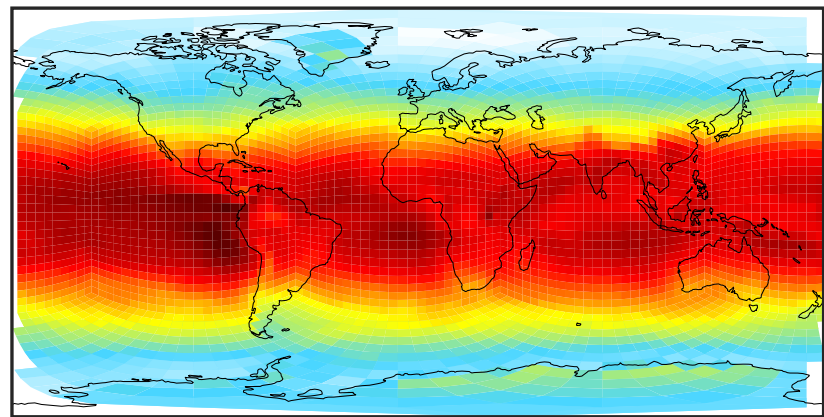
# Jval\_ICPDH (AnnualMean)

GCC\_14.2.0 (Ref)  
4.0x5.0



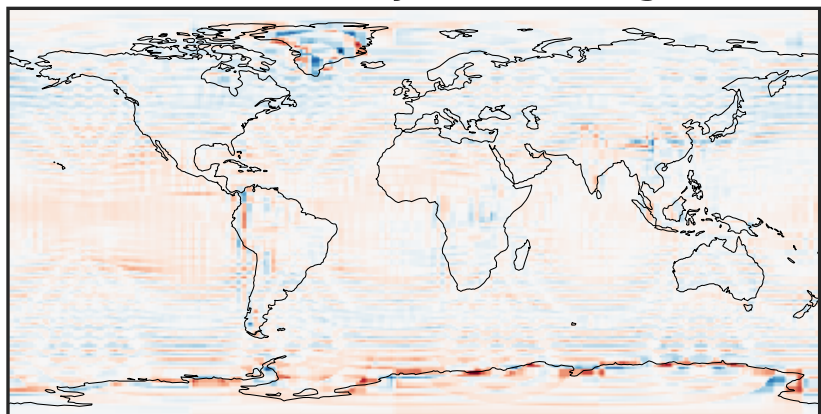
1.2 1.8 2.4 3.0  
s-1 1e-5

GCHP\_14.2.0 (Dev)  
c24



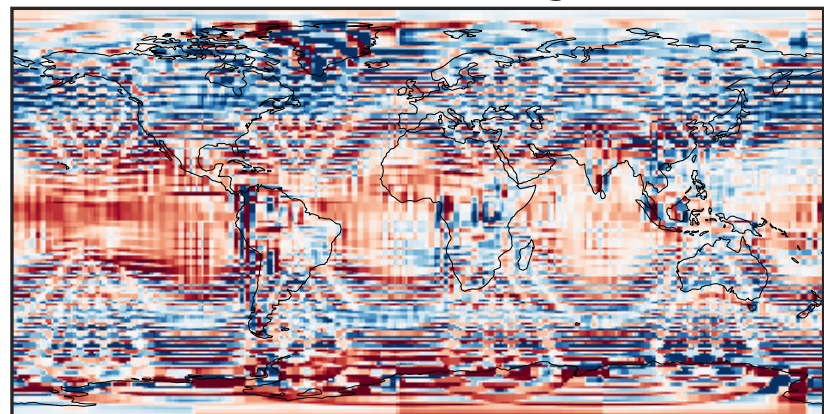
1.2 1.8 2.4 3.0  
s-1 1e-5

Difference (1x1.25)  
Dev - Ref, Dynamic Range



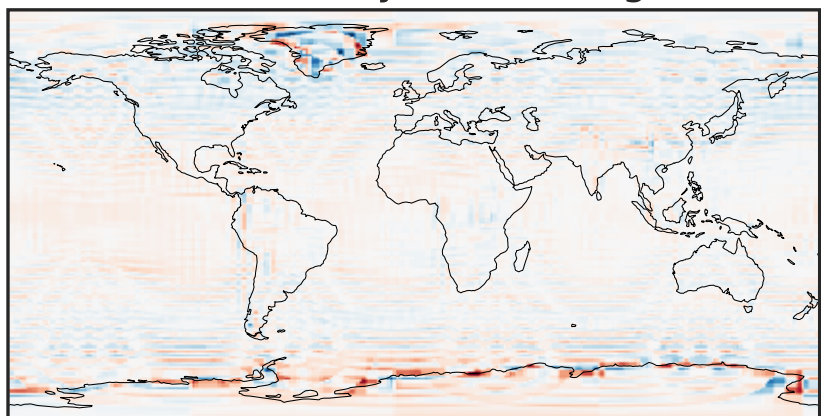
-2 0 2  
s-1 1e-6

Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



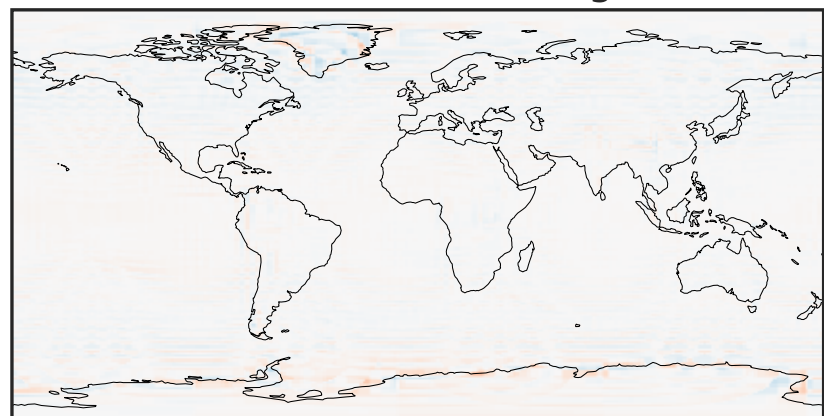
-4 0 4  
s-1 1e-7

Ratio (1x1.25)  
Dev/Ref, Dynamic Range



0.8155 0.9078 1.0000 1.1131 1.2262  
unitless

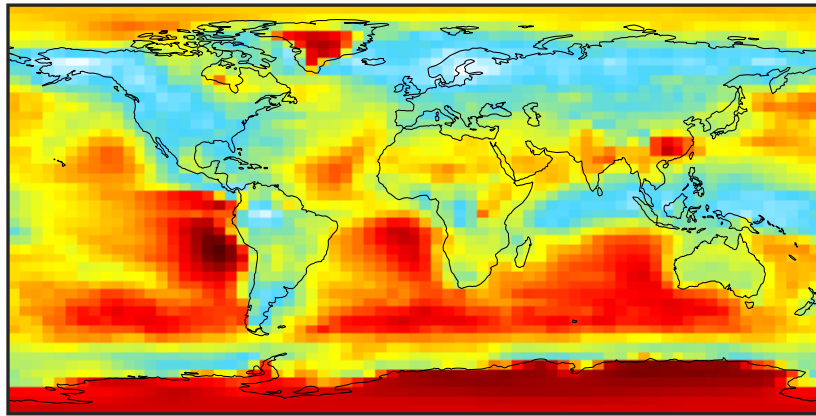
Ratio (1x1.25)  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

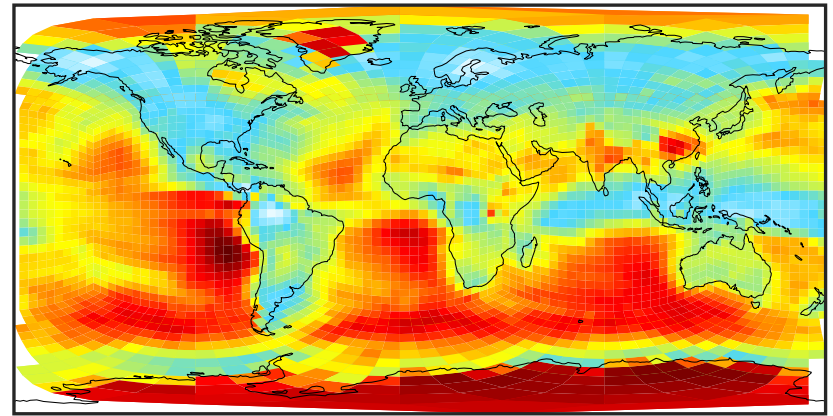
# Jval\_ICI (AnnualMean)

GCC\_14.2.0 (Ref)  
4.0x5.0



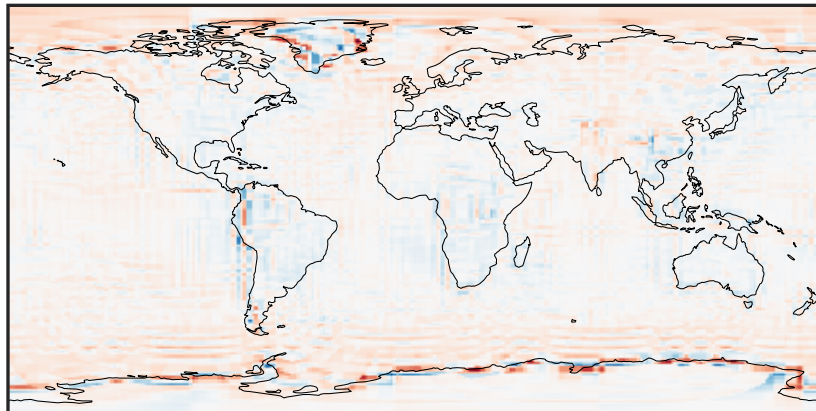
0.0105 0.0120 0.0135 0.0150  
s-1

GCHP\_14.2.0 (Dev)  
c24



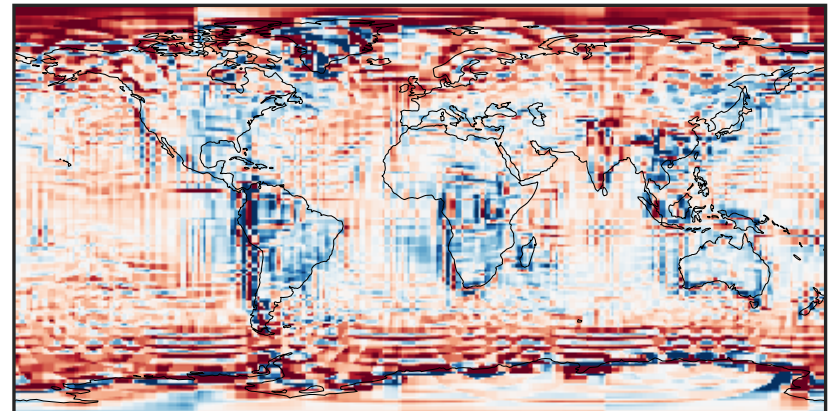
0.0105 0.0120 0.0135 0.0150  
s-1

Difference (1x1.25)  
Dev - Ref, Dynamic Range



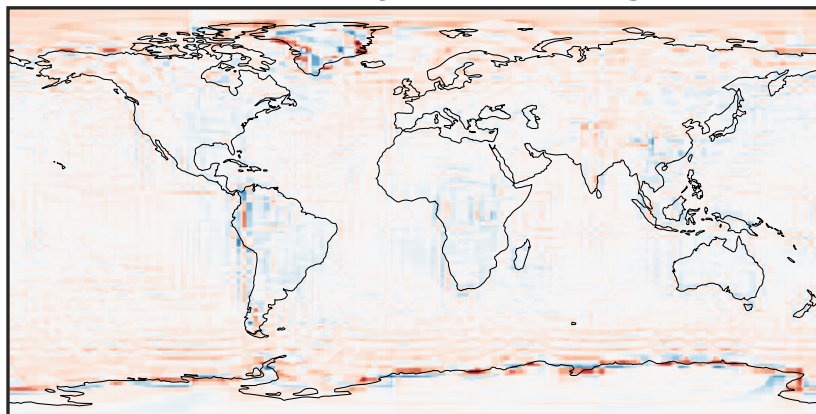
-0.0015 0.0000 0.0015  
s-1

Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



-0.00025 0.00000 0.00025  
s-1

Ratio (1x1.25)  
Dev/Ref, Dynamic Range



0.8336 0.9168 1.0000 1.0998 1.1997  
unitless

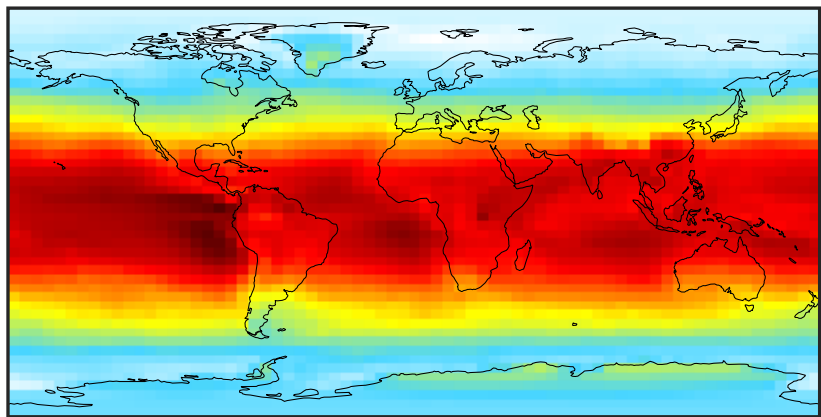
Ratio (1x1.25)  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

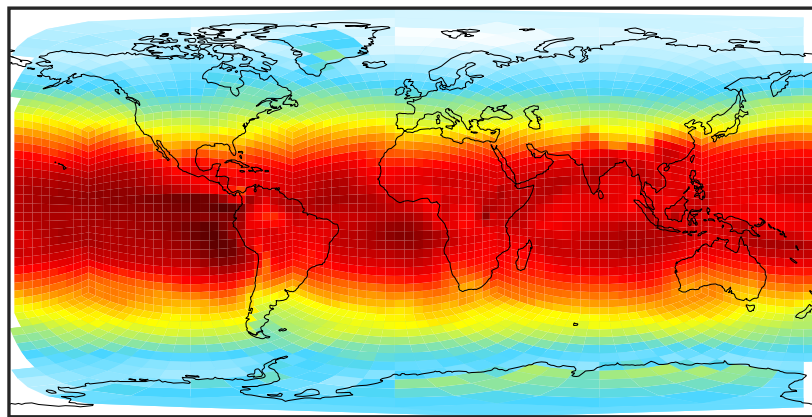
# Jval\_IDCHP (AnnualMean)

GCC\_14.2.0 (Ref)  
4.0x5.0



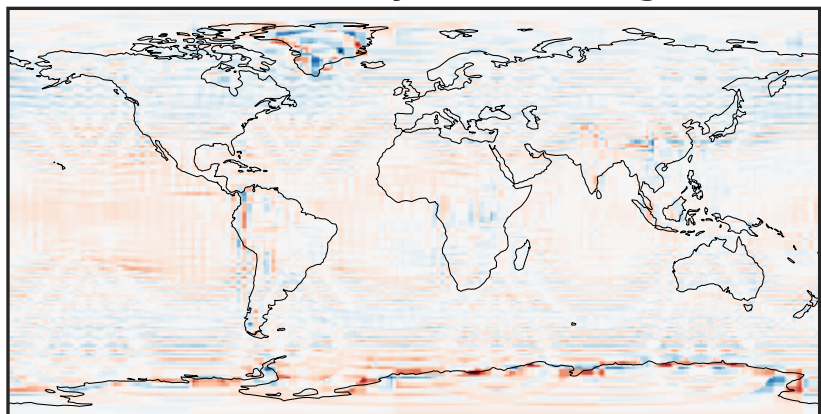
1.2 1.8 2.4 3.0  
s-1  $1e-5$

GCHP\_14.2.0 (Dev)  
c24



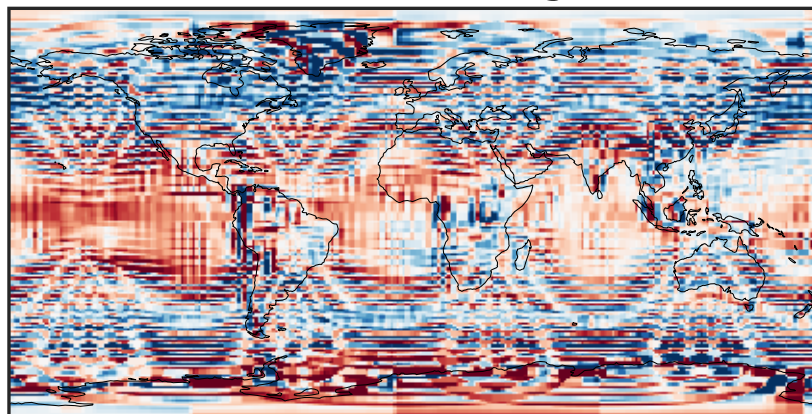
1.2 1.8 2.4 3.0  
s-1  $1e-5$

Difference (1x1.25)  
Dev - Ref, Dynamic Range



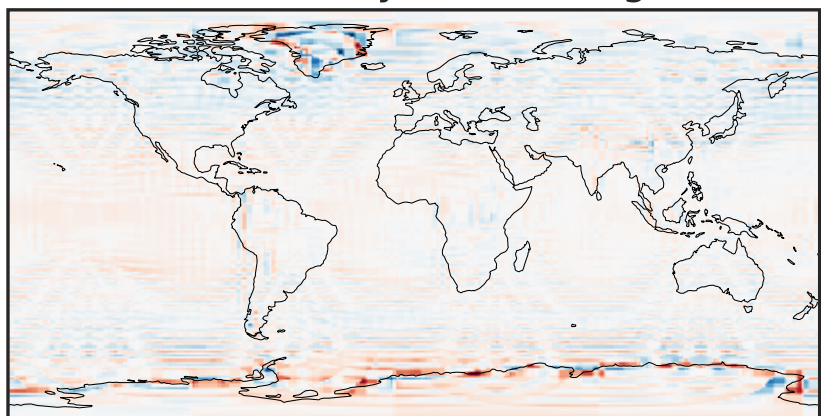
-2 0 2  
s-1  $1e-6$

Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



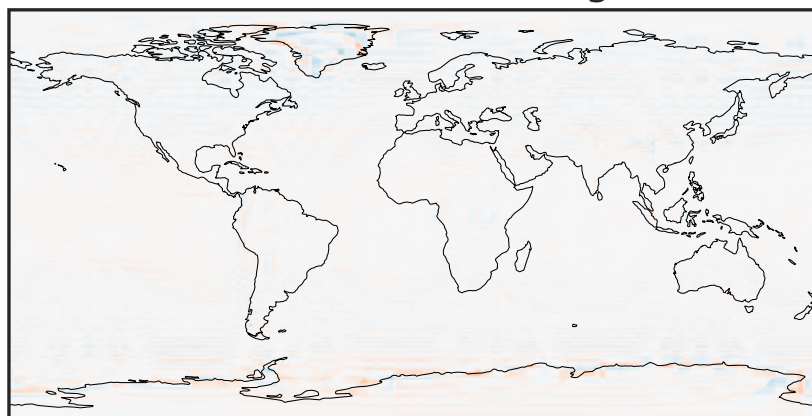
-4 0 4  
s-1  $1e-7$

Ratio (1x1.25)  
Dev/Ref, Dynamic Range



0.8155 0.9078 1.0000 1.1131 1.2262  
unitless

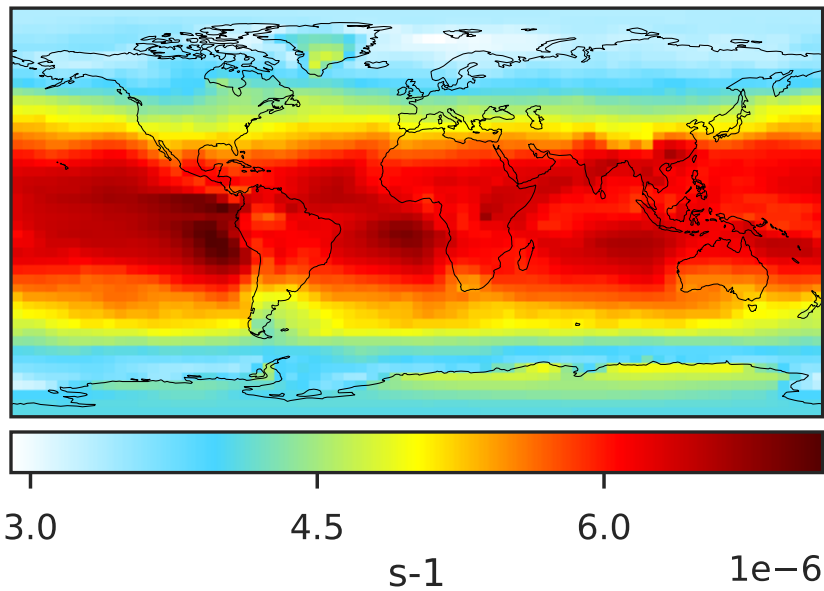
Ratio (1x1.25)  
Dev/Ref, Fixed Range



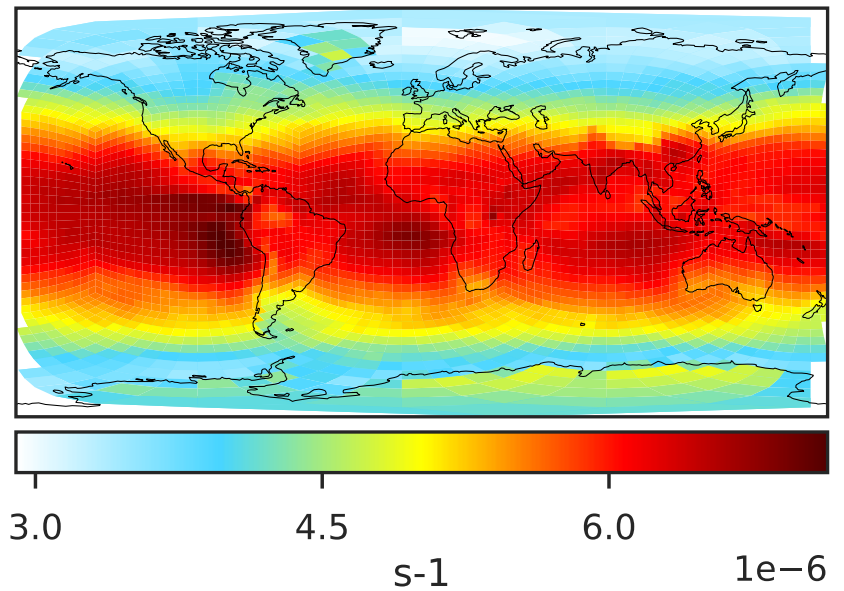
0.50 0.75 1.00 1.50 2.00  
unitless

# Jval\_IDHDP (AnnualMean)

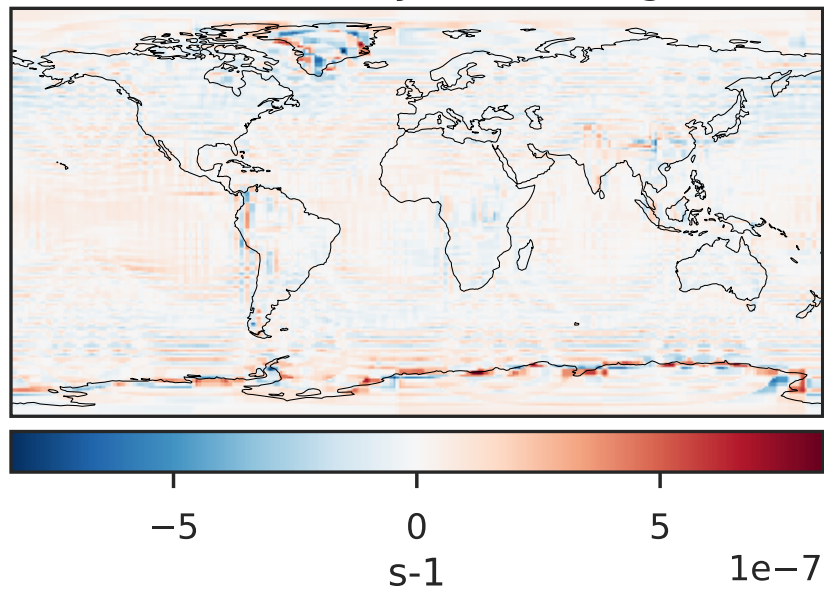
GCC\_14.2.0 (Ref)  
4.0x5.0



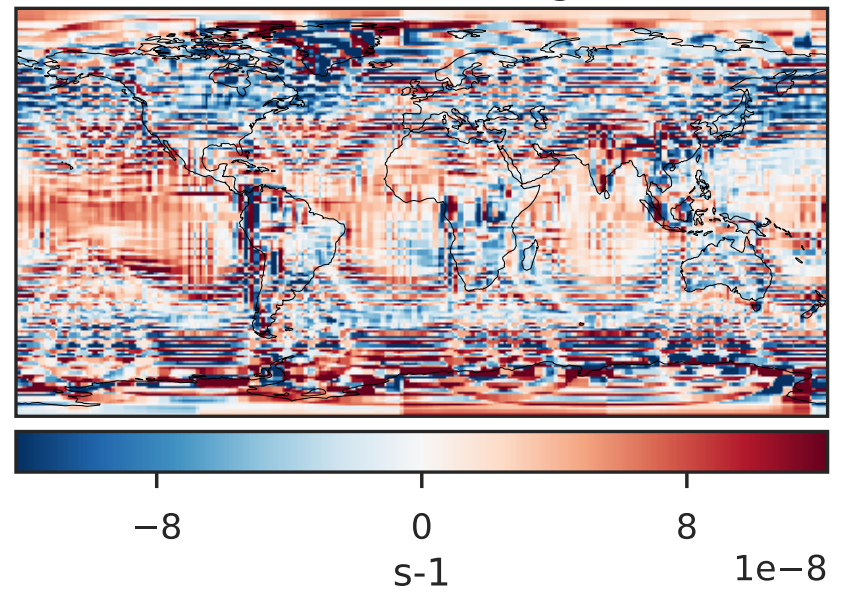
GCHP\_14.2.0 (Dev)  
c24



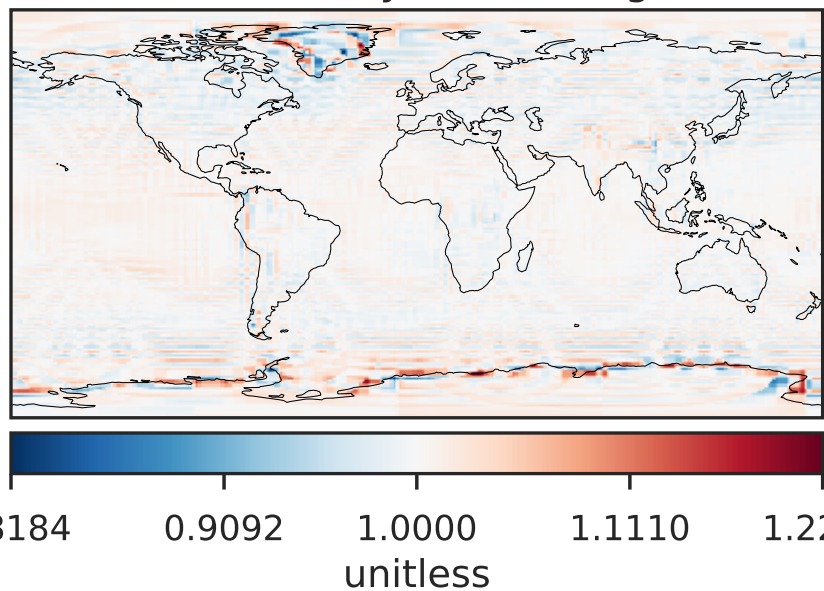
Difference (1x1.25)  
Dev - Ref, Dynamic Range



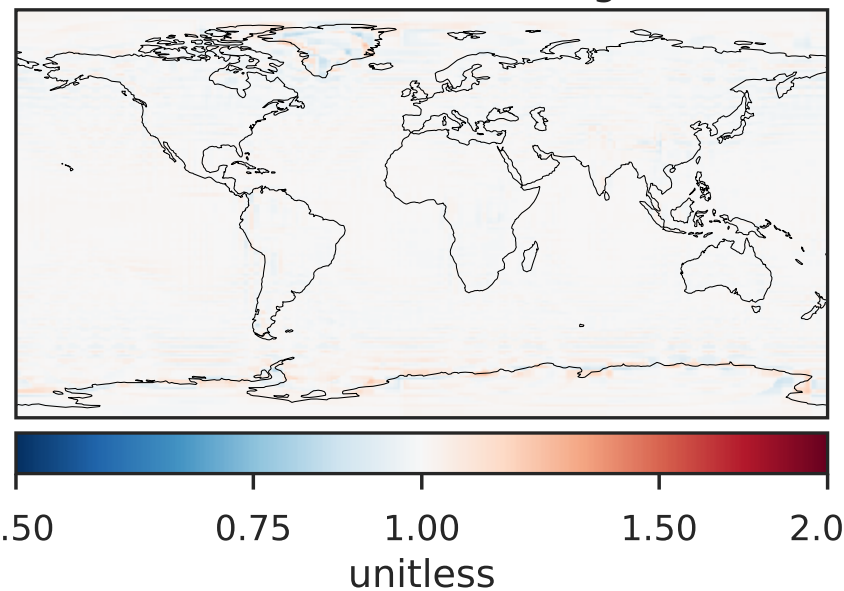
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)  
Dev/Ref, Dynamic Range

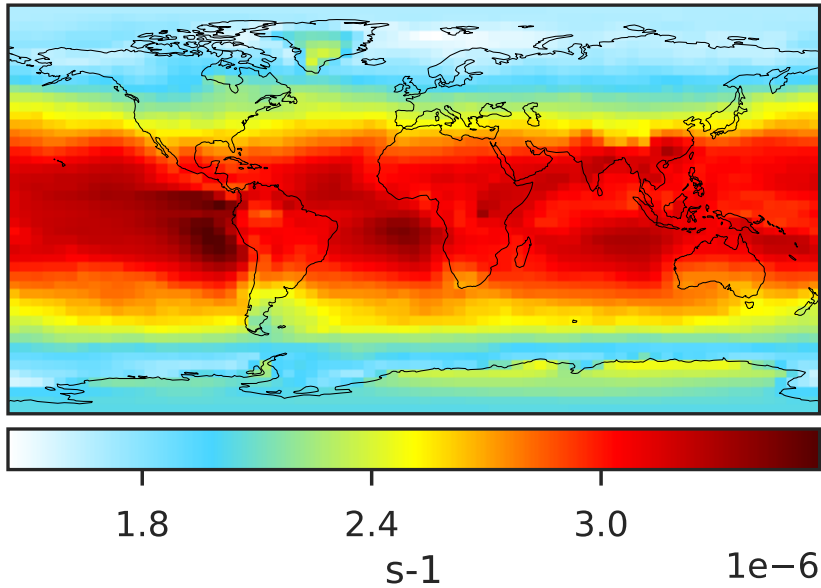


Ratio (1x1.25)  
Dev/Ref, Fixed Range

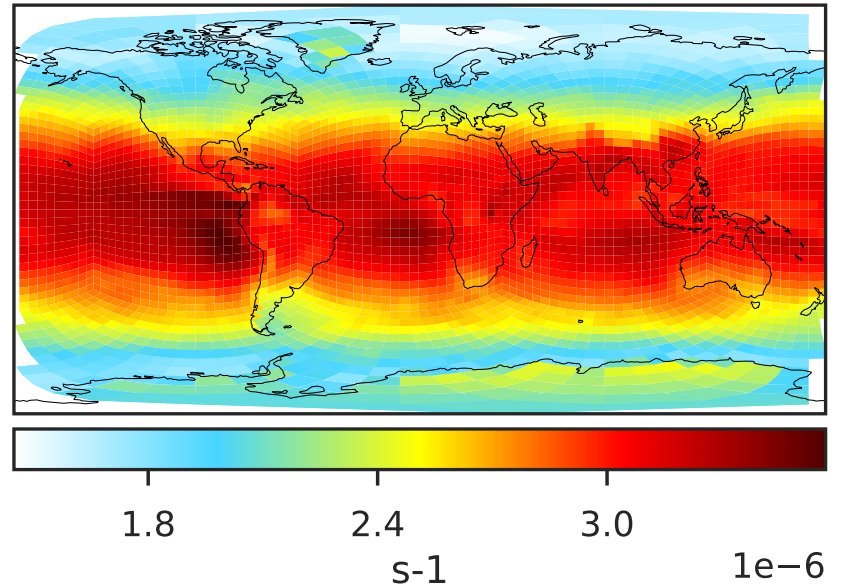


# Jval\_IDHPE (AnnualMean)

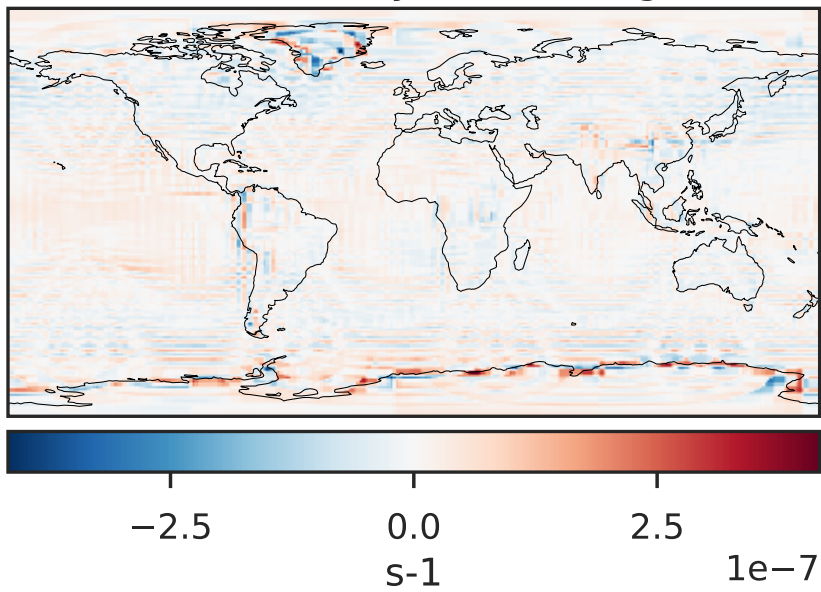
GCC\_14.2.0 (Ref)  
4.0x5.0



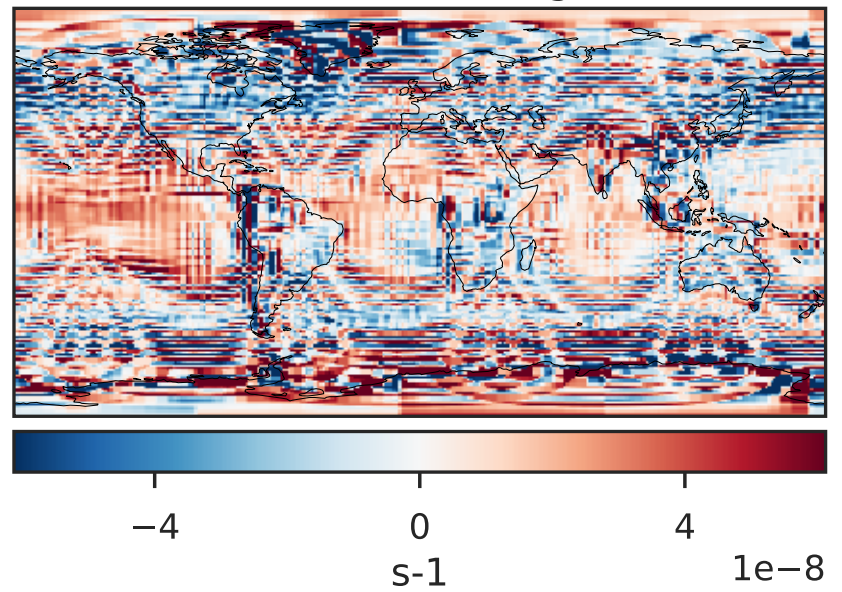
GCHP\_14.2.0 (Dev)  
c24



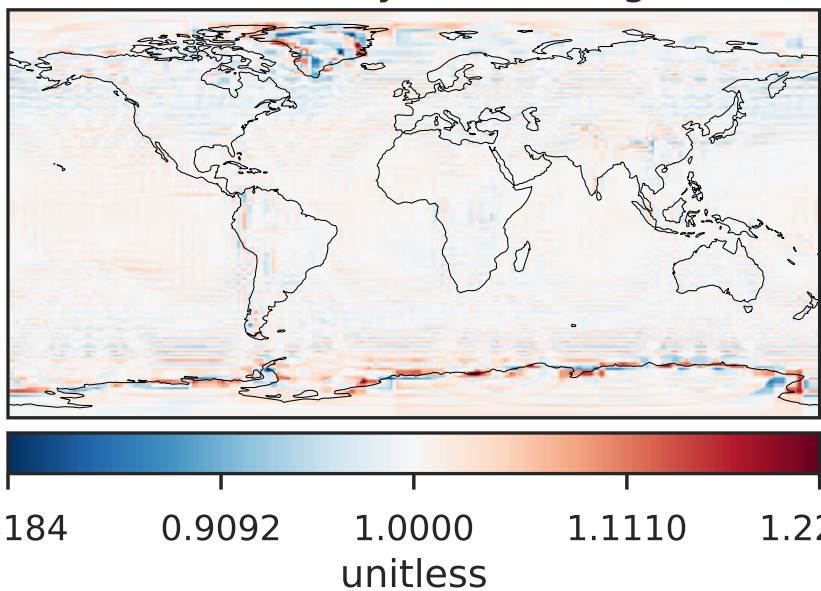
Difference (1x1.25)  
Dev - Ref, Dynamic Range



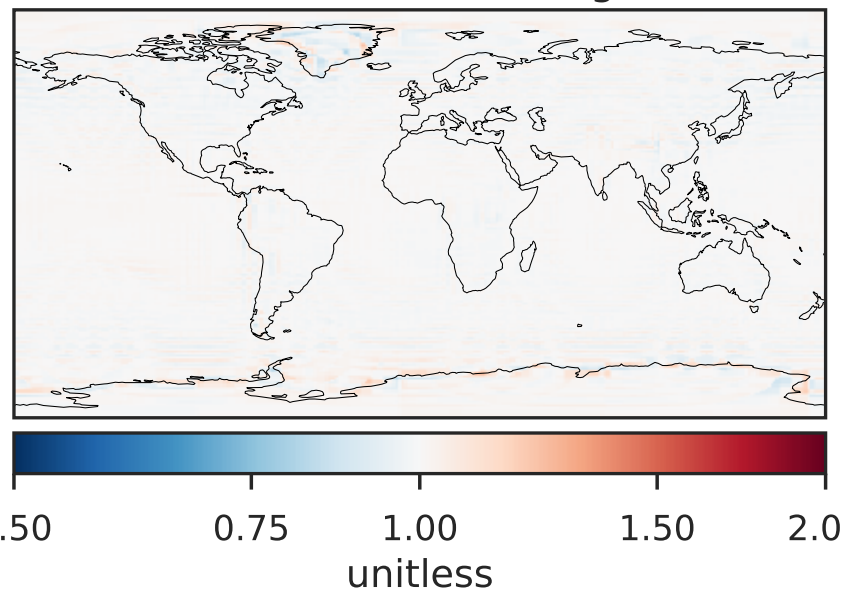
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)  
Dev/Ref, Dynamic Range

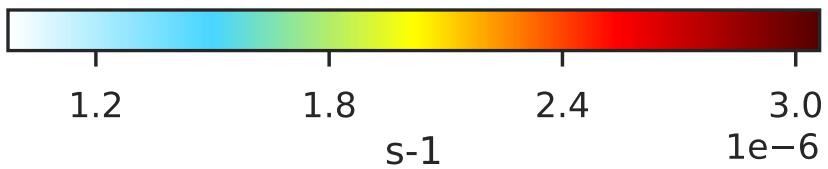
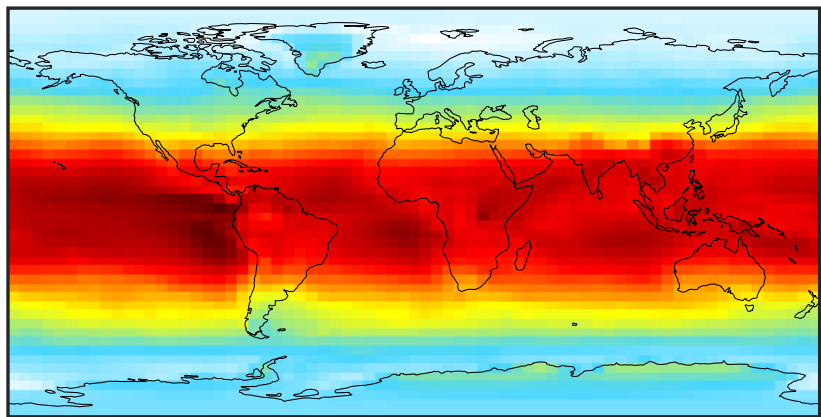


Ratio (1x1.25)  
Dev/Ref, Fixed Range

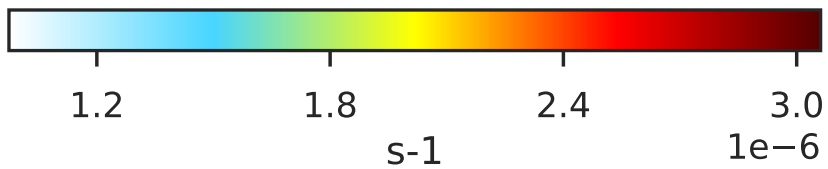
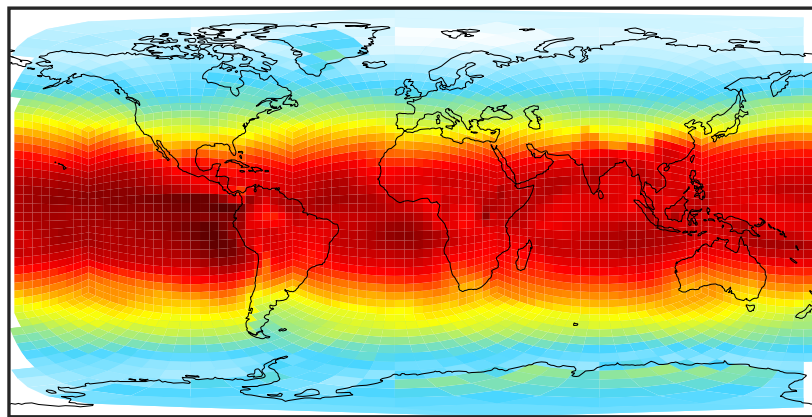


# Jval\_IDN (AnnualMean)

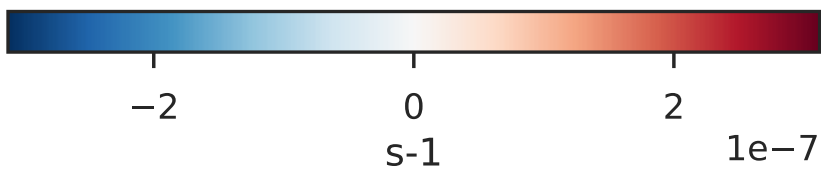
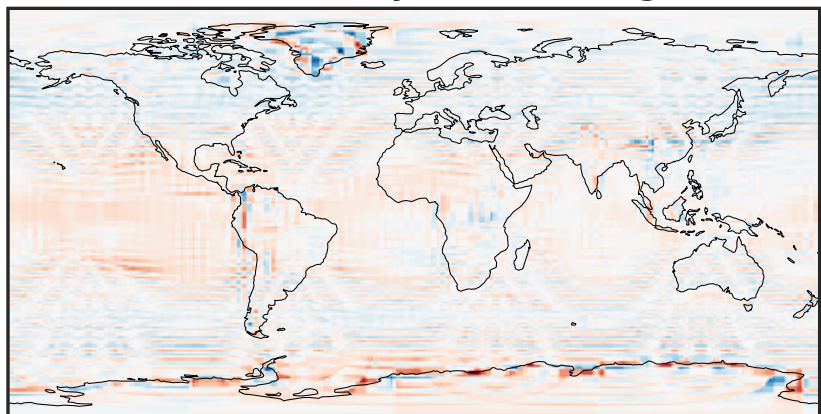
GCC\_14.2.0 (Ref)  
4.0x5.0



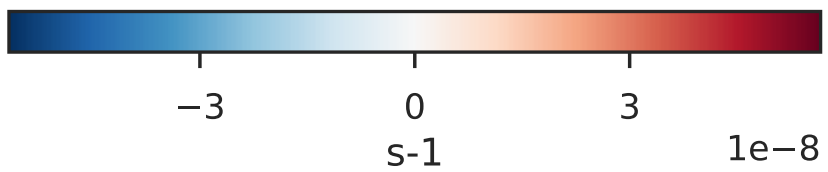
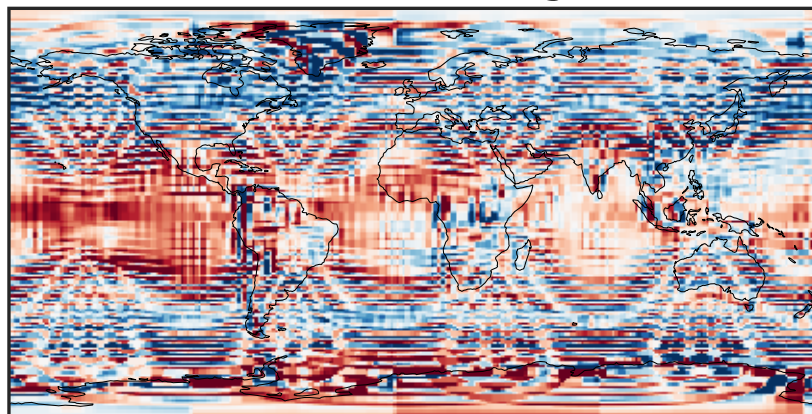
GCHP\_14.2.0 (Dev)  
c24



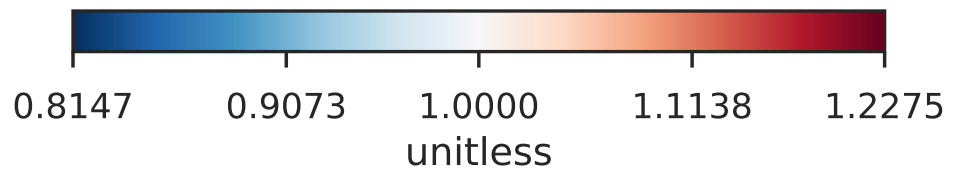
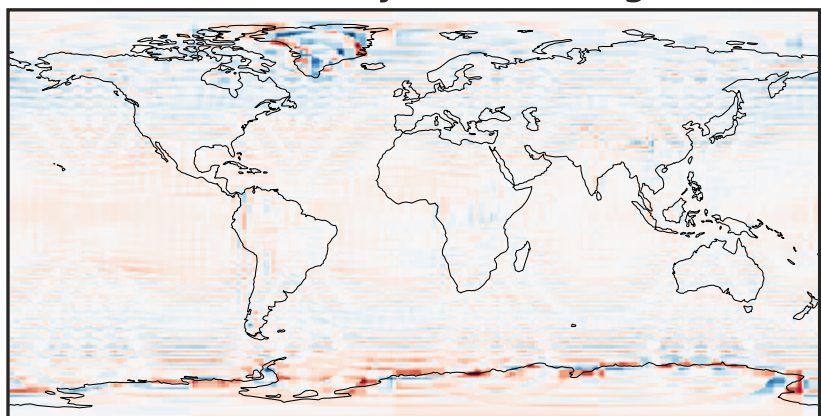
Difference (1x1.25)  
Dev - Ref, Dynamic Range



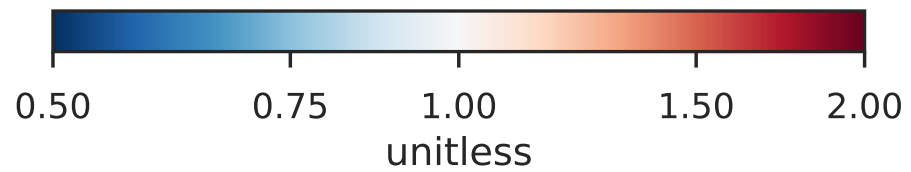
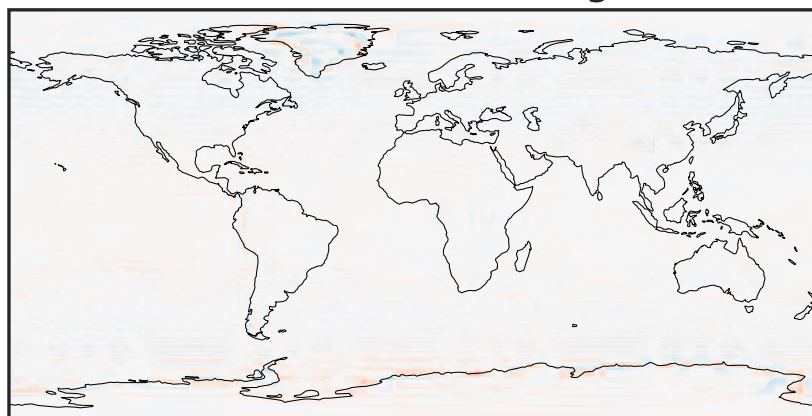
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)  
Dev/Ref, Dynamic Range

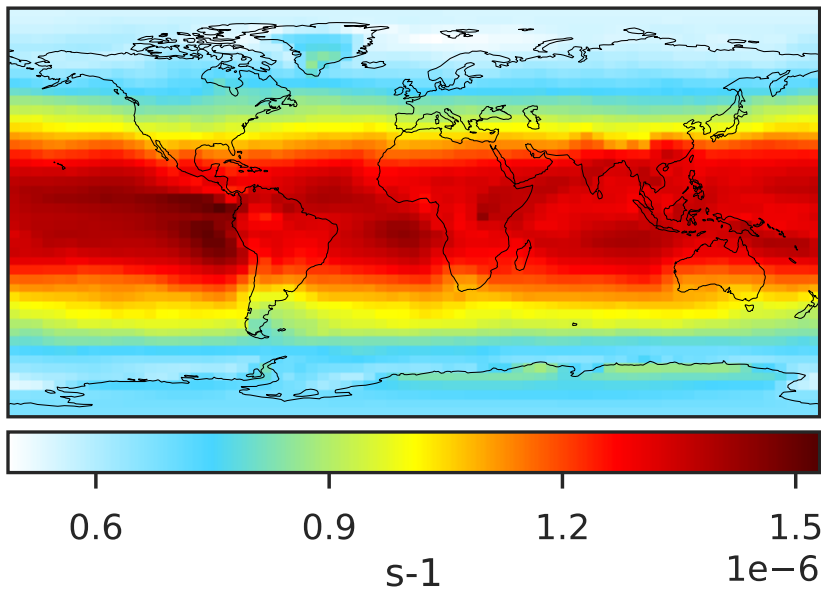


Ratio (1x1.25)  
Dev/Ref, Fixed Range

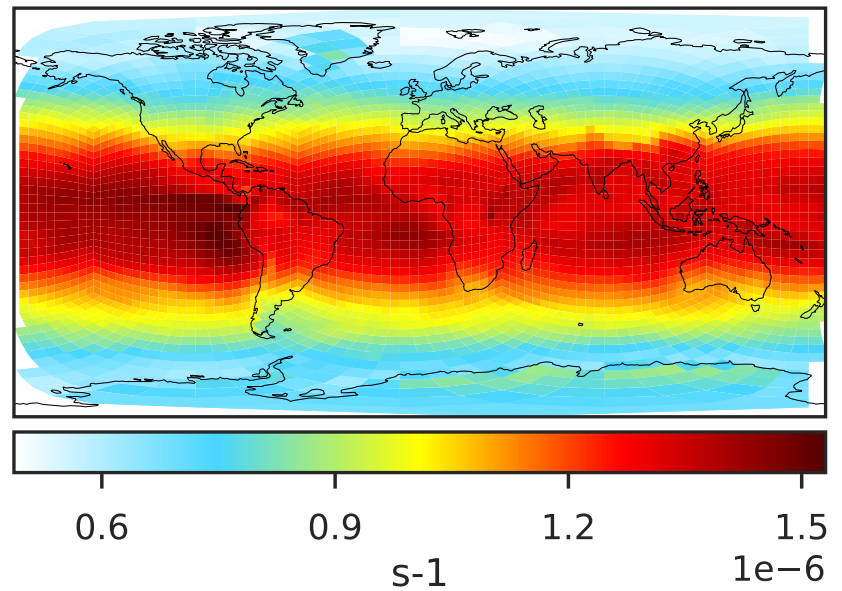


# Jval\_IHN1 (AnnualMean)

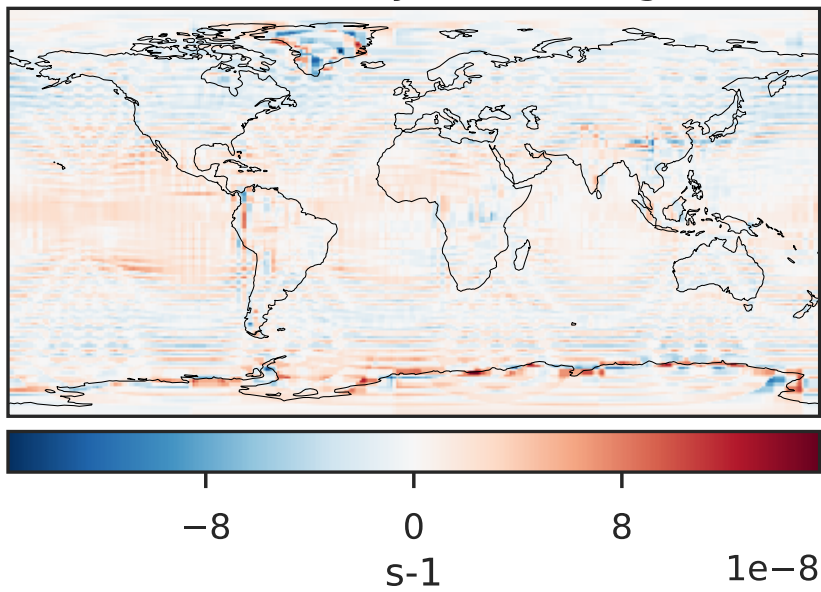
GCC\_14.2.0 (Ref)  
4.0x5.0



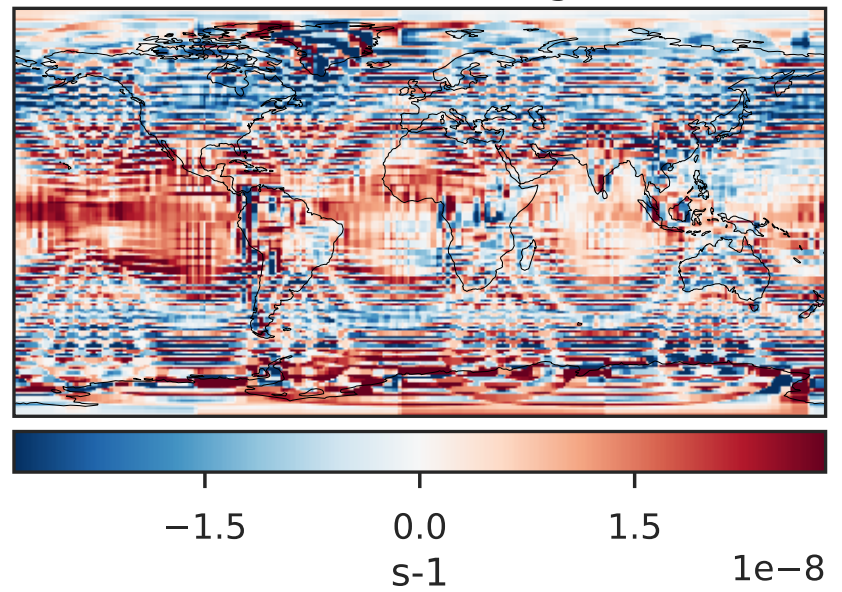
GCHP\_14.2.0 (Dev)  
c24



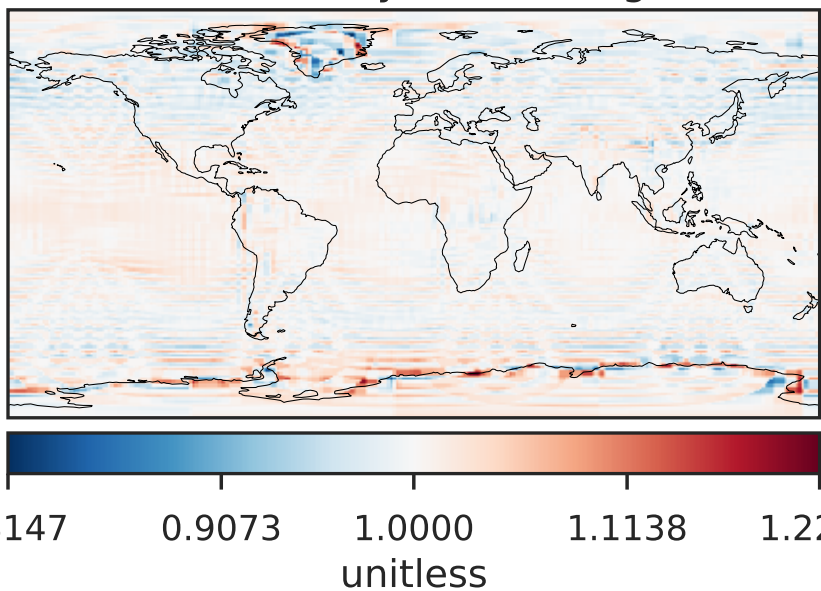
Difference (1x1.25)  
Dev - Ref, Dynamic Range



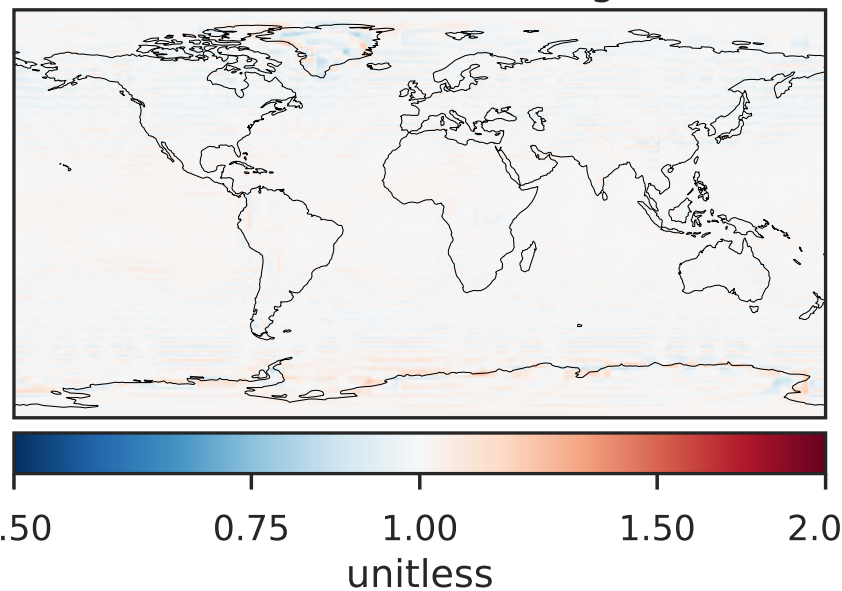
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)  
Dev/Ref, Dynamic Range

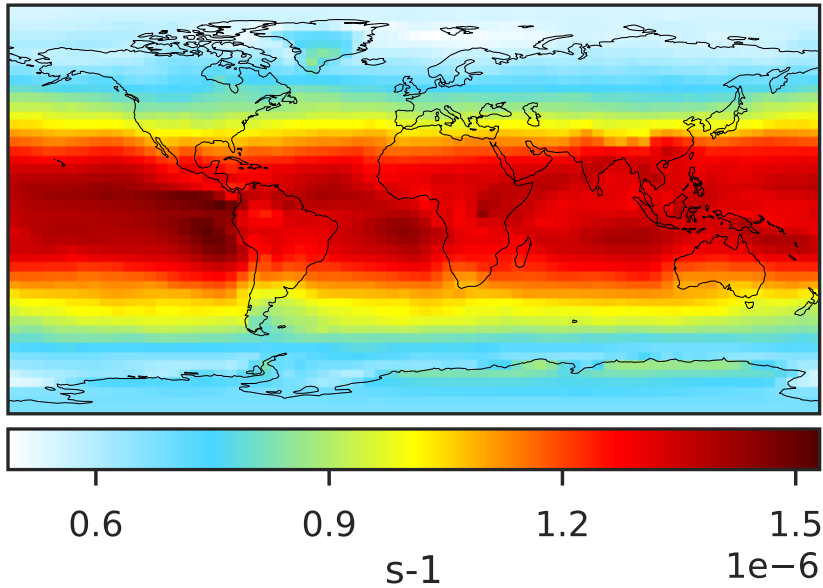


Ratio (1x1.25)  
Dev/Ref, Fixed Range

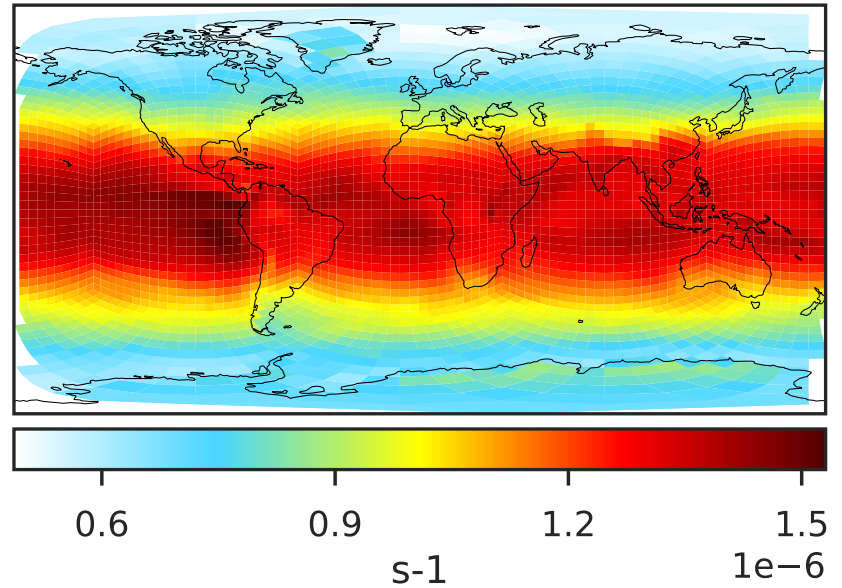


# Jval\_IHN2 (AnnualMean)

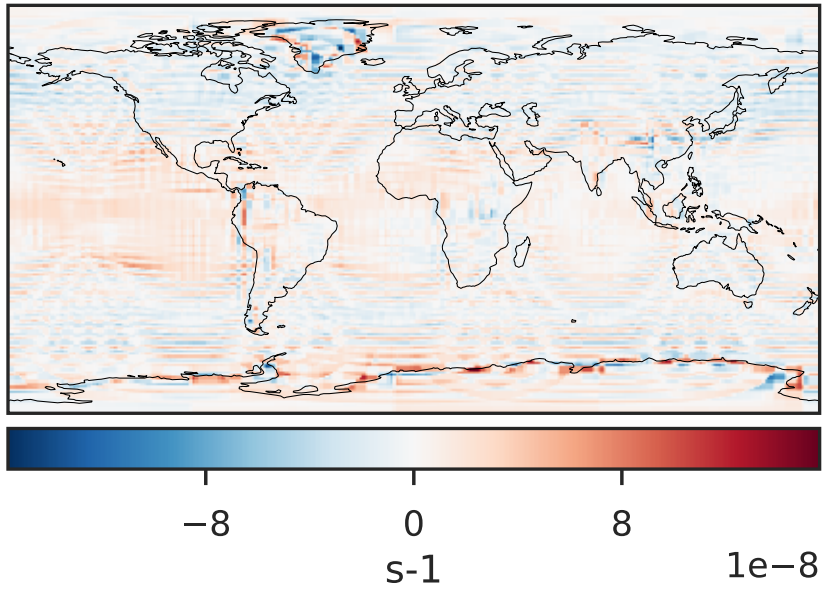
GCC\_14.2.0 (Ref)  
4.0x5.0



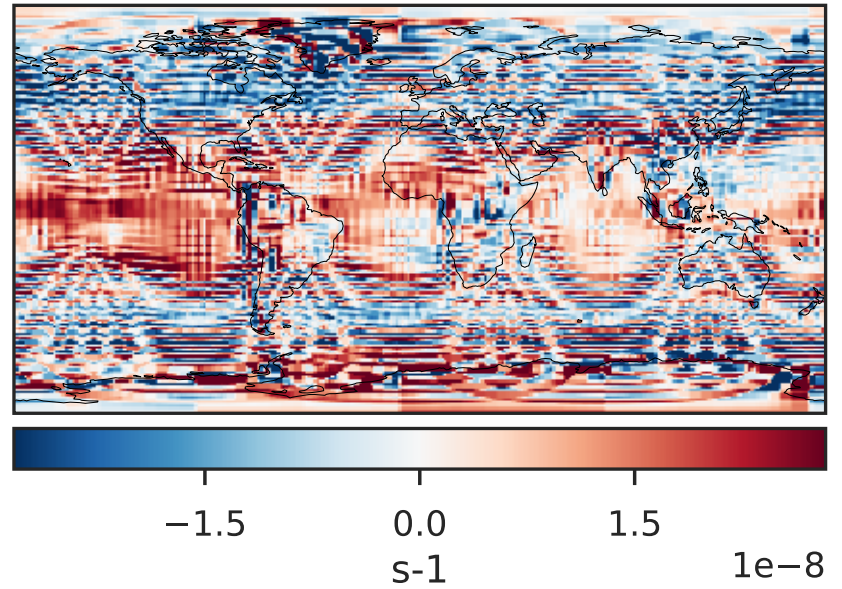
GCHP\_14.2.0 (Dev)  
c24



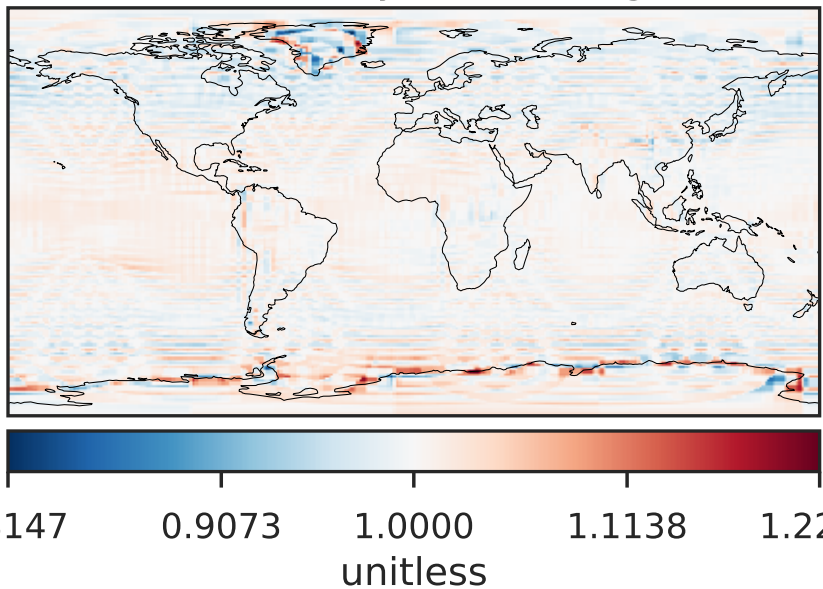
Difference (1x1.25)  
Dev - Ref, Dynamic Range



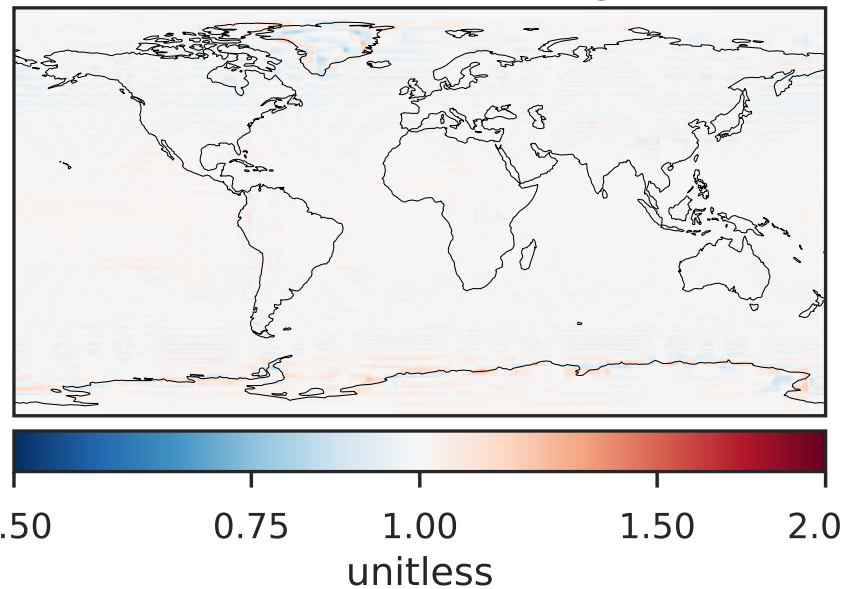
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)  
Dev/Ref, Dynamic Range



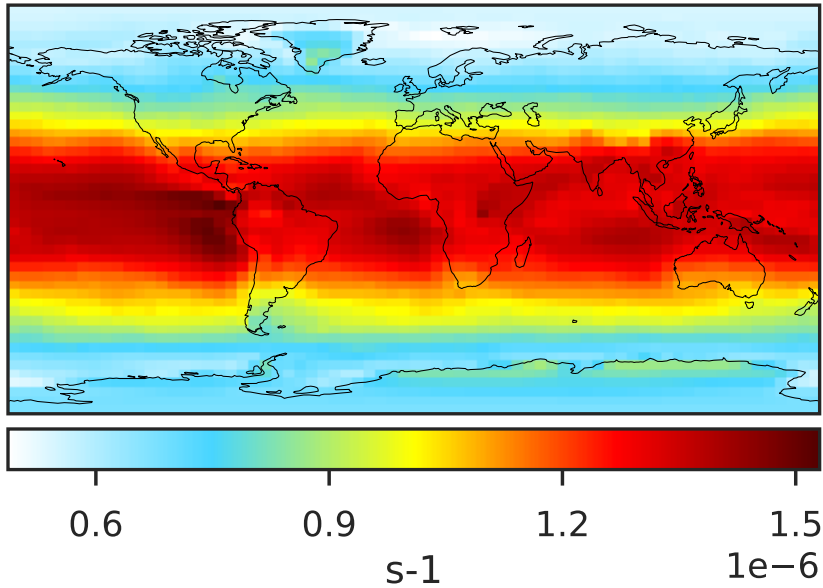
Ratio (1x1.25)  
Dev/Ref, Fixed Range



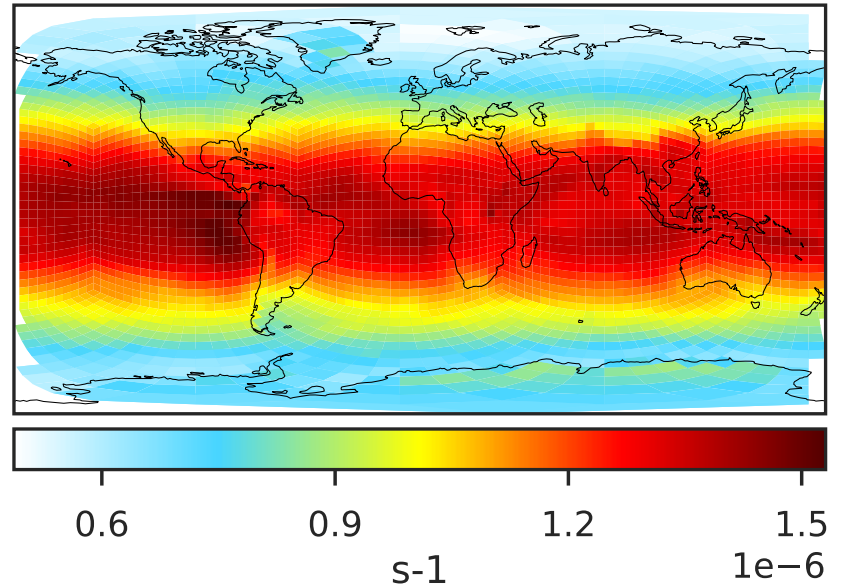


# Jval\_IHN3 (AnnualMean)

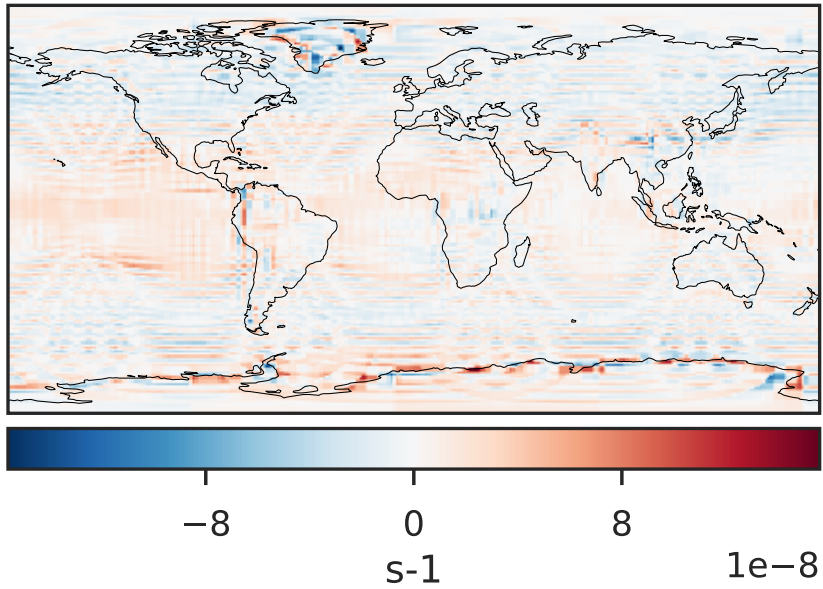
GCC\_14.2.0 (Ref)  
4.0x5.0



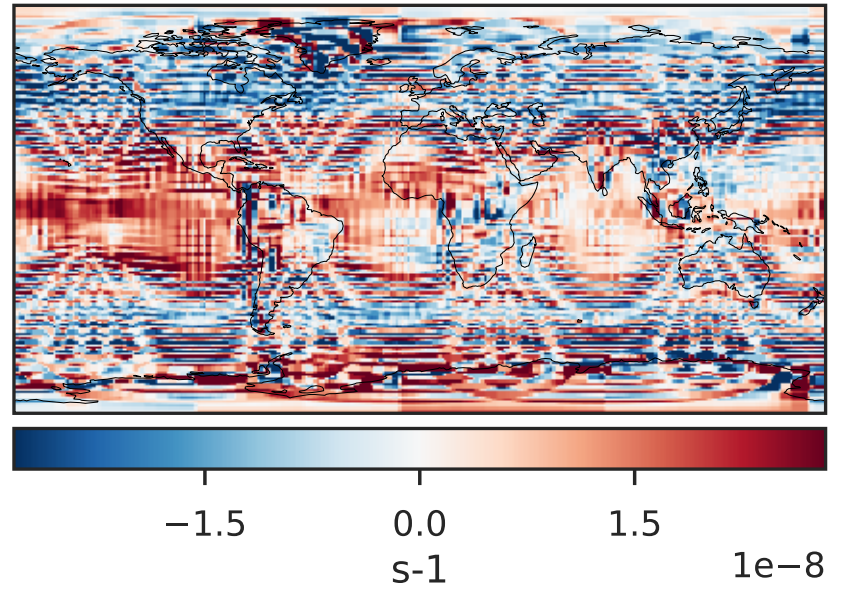
GCHP\_14.2.0 (Dev)  
c24



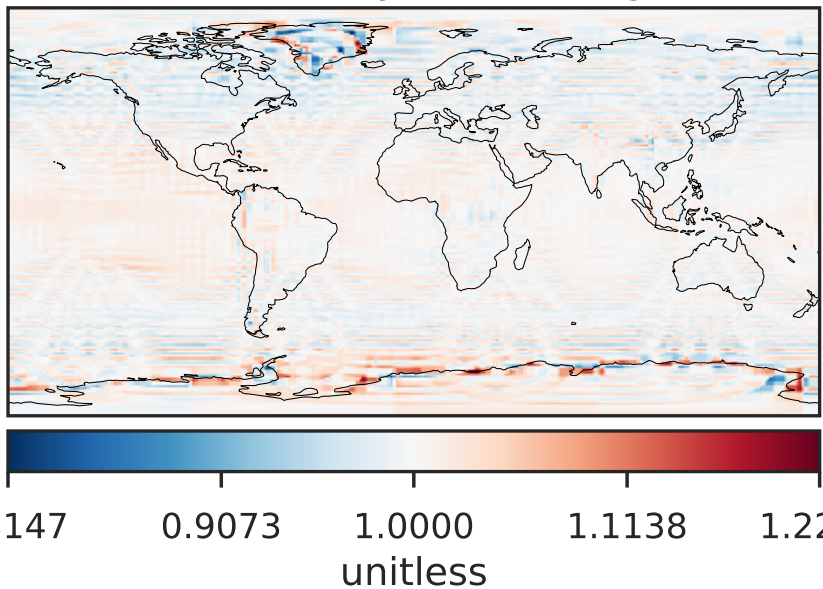
Difference (1x1.25)  
Dev - Ref, Dynamic Range



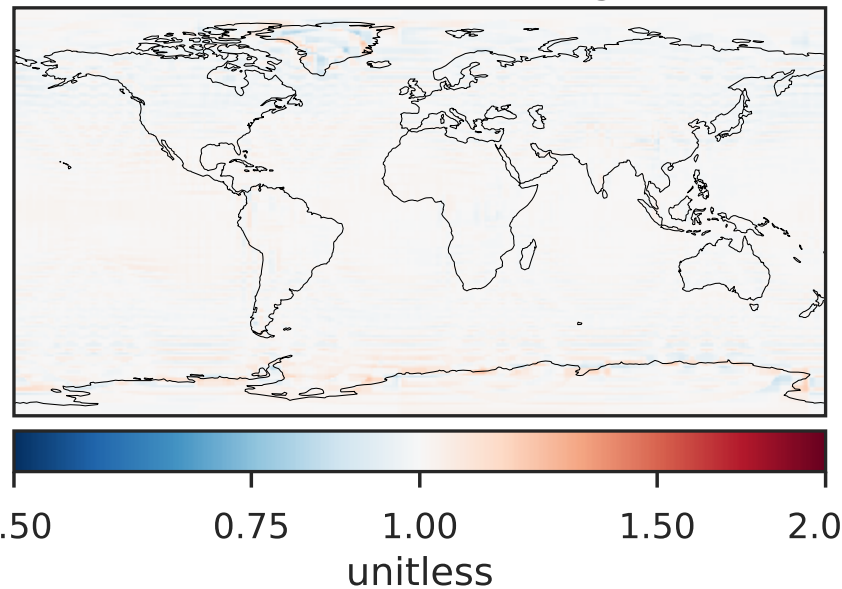
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)  
Dev/Ref, Dynamic Range

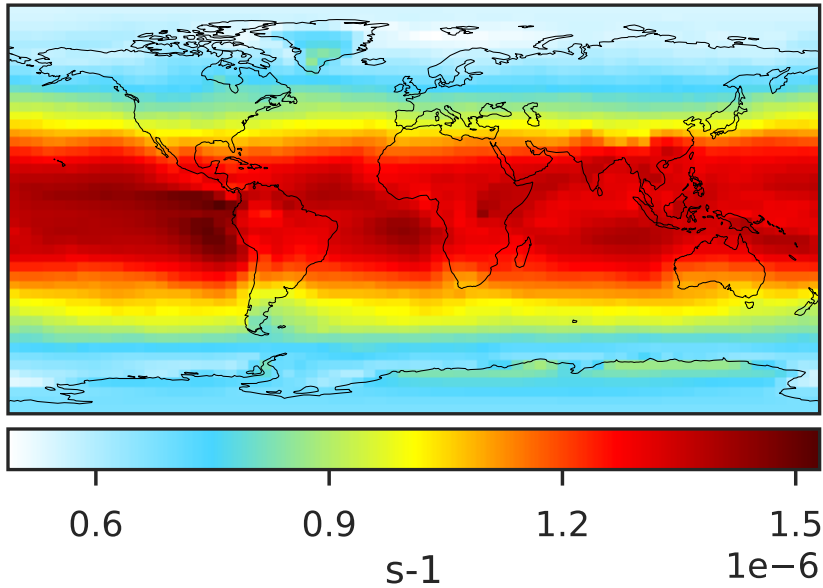


Ratio (1x1.25)  
Dev/Ref, Fixed Range

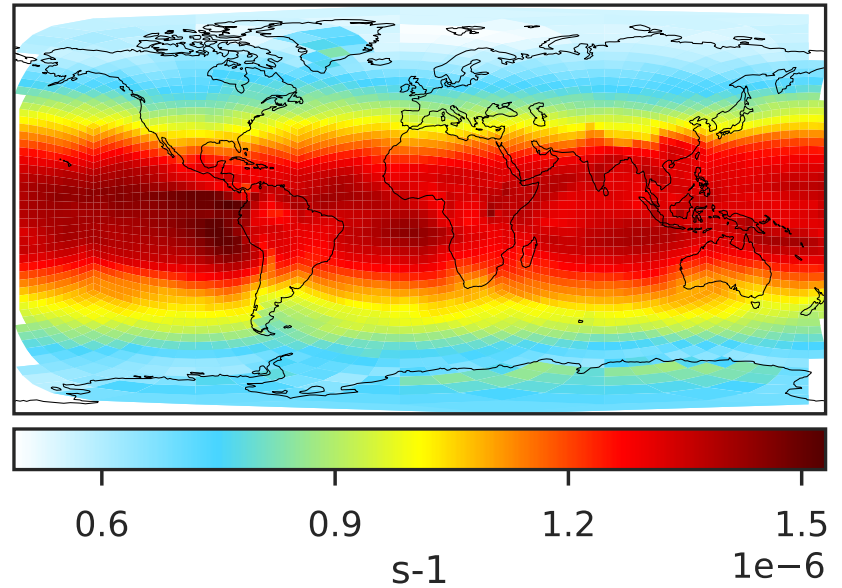


# Jval\_IHN4 (AnnualMean)

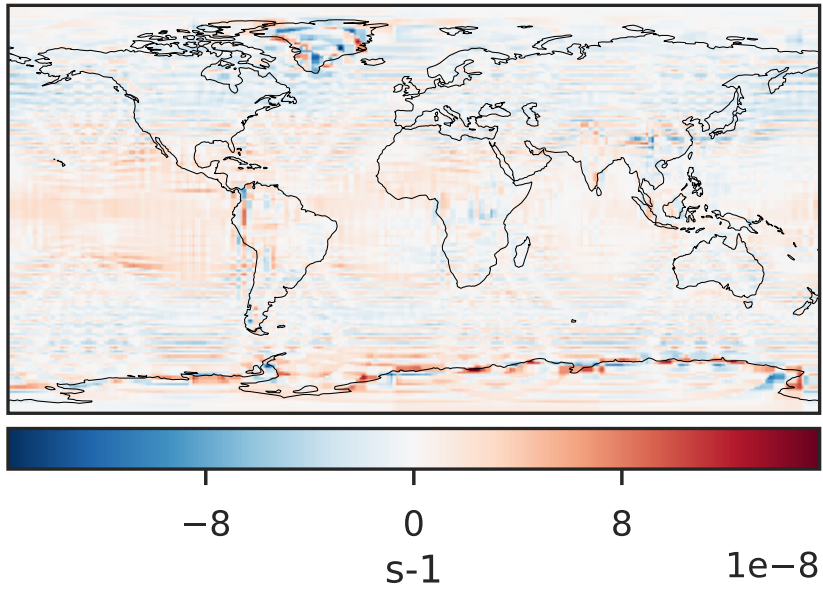
GCC\_14.2.0 (Ref)  
4.0x5.0



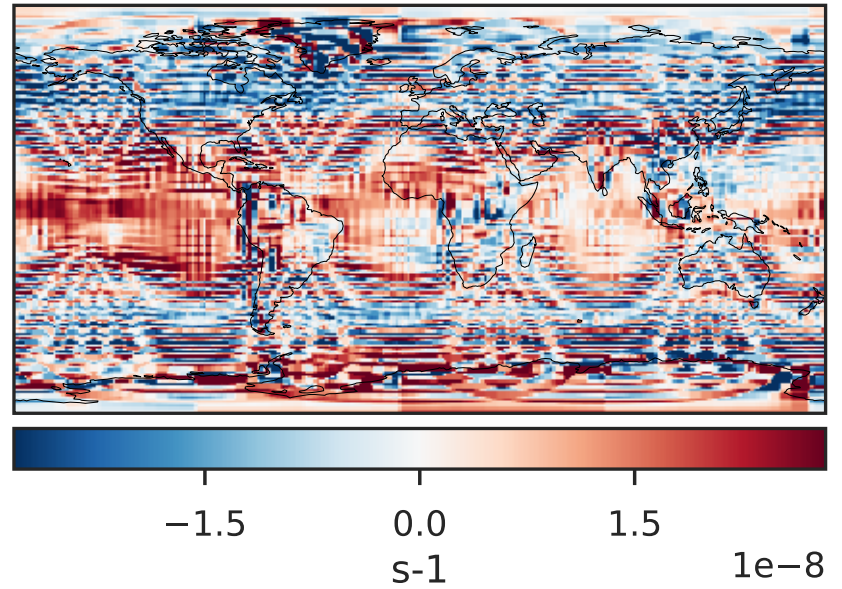
GCHP\_14.2.0 (Dev)  
c24



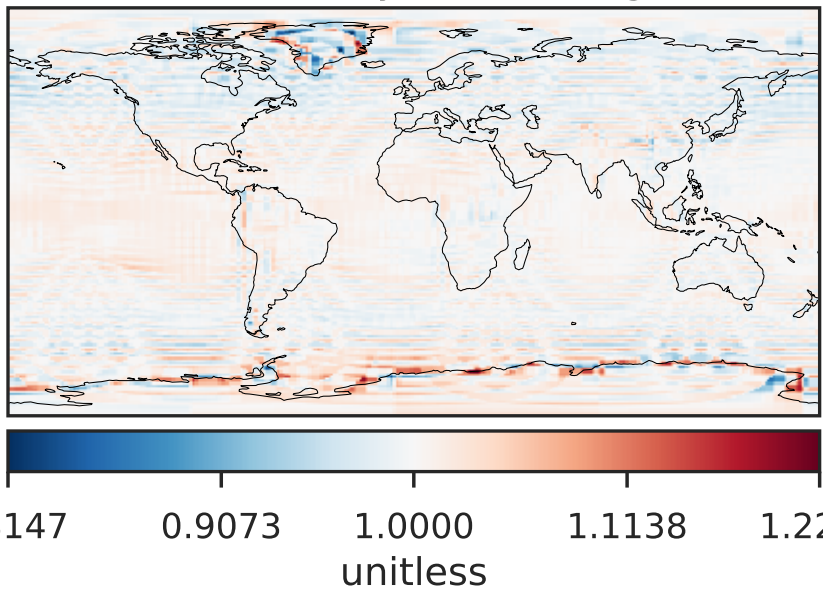
Difference (1x1.25)  
Dev - Ref, Dynamic Range



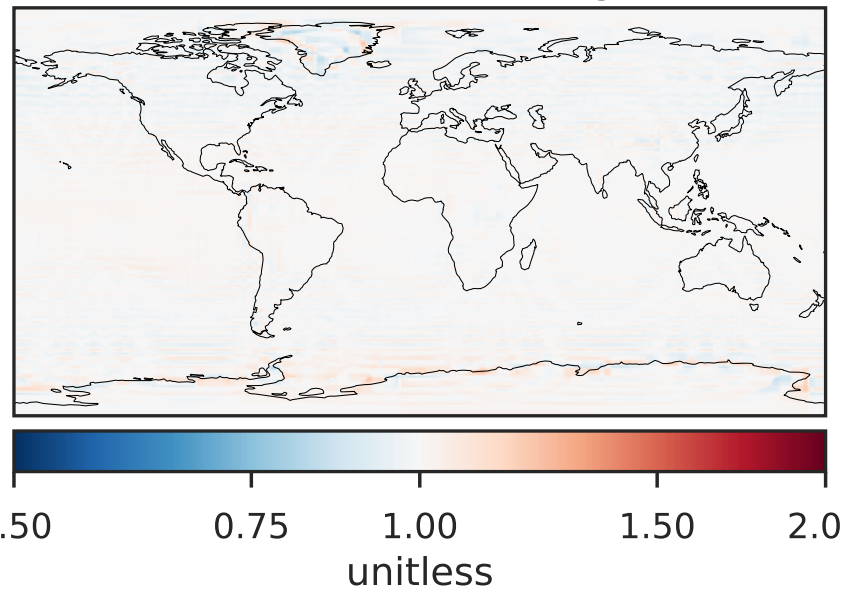
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)  
Dev/Ref, Dynamic Range

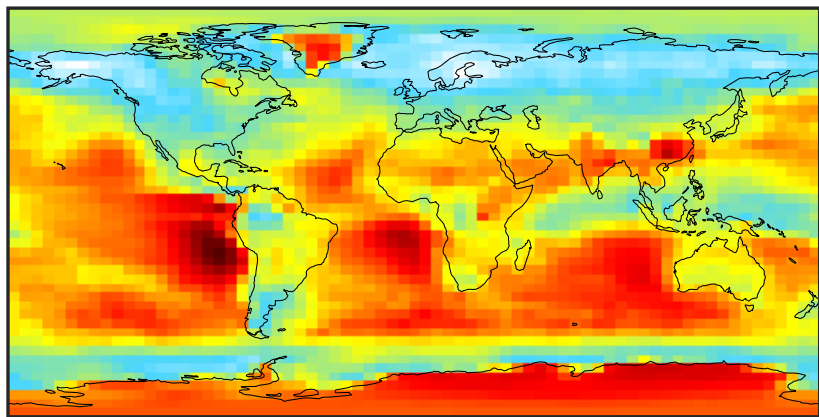


Ratio (1x1.25)  
Dev/Ref, Fixed Range



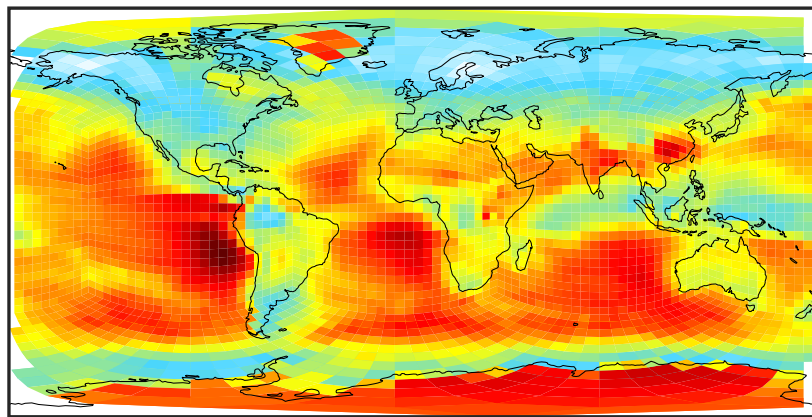
# Jval\_INO (AnnualMean)

GCC\_14.2.0 (Ref)  
4.0x5.0



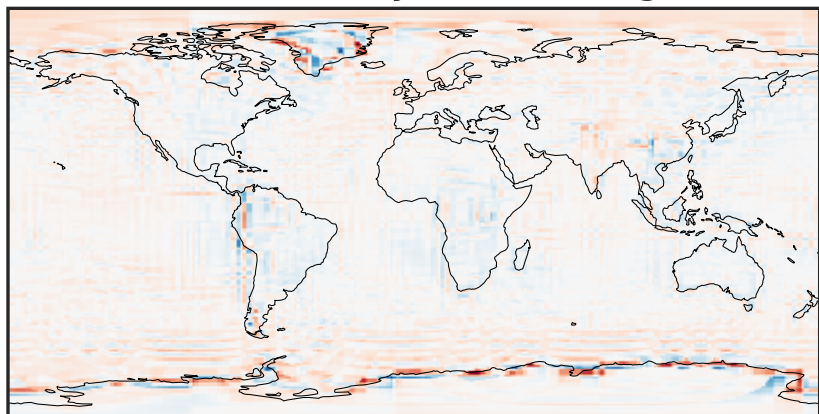
0.0150 0.0175 0.0200  
s-1

GCHP\_14.2.0 (Dev)  
c24



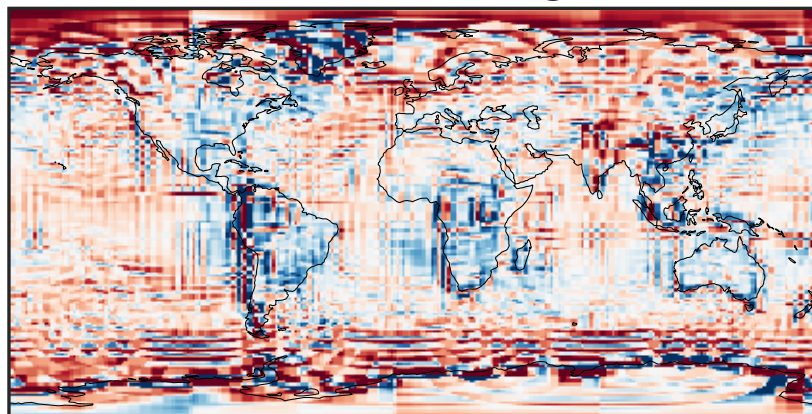
0.0150 0.0175 0.0200  
s-1

Difference (1x1.25)  
Dev - Ref, Dynamic Range



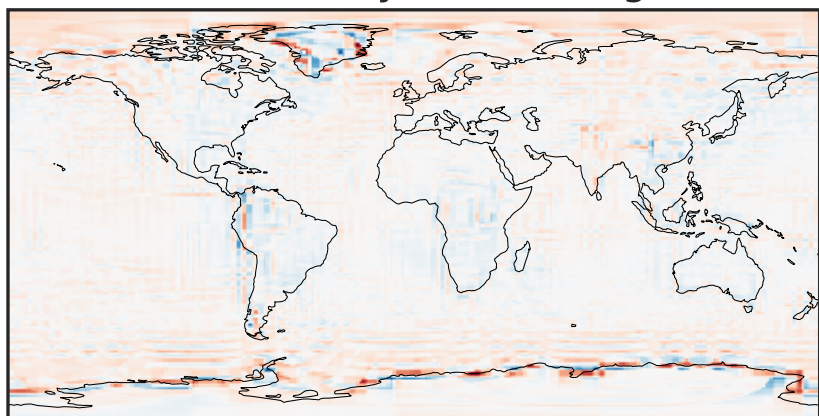
-0.002 0.000 0.002  
s-1

Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



-0.00025 0.00000 0.00025  
s-1

Ratio (1x1.25)  
Dev/Ref, Dynamic Range



0.8289 0.9144 1.0000 1.1032 1.2064  
unitless

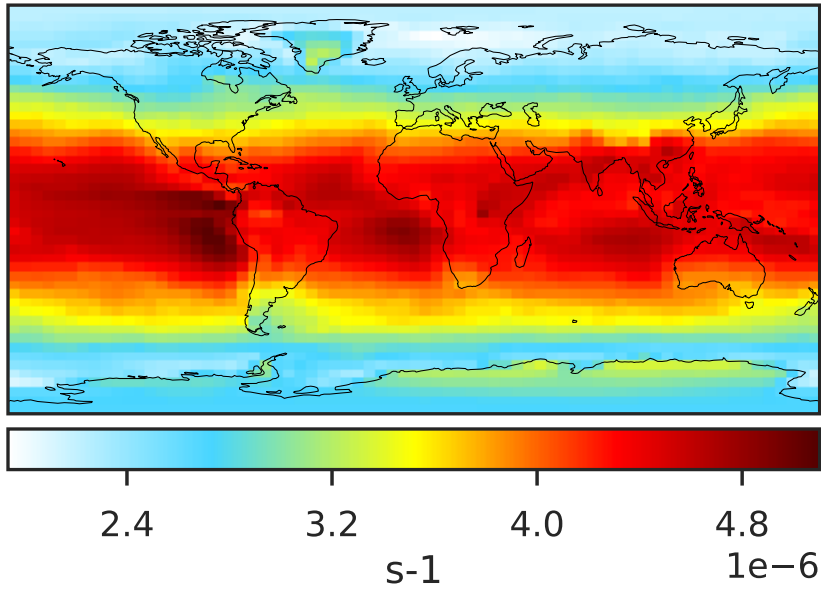
Ratio (1x1.25)  
Dev/Ref, Fixed Range



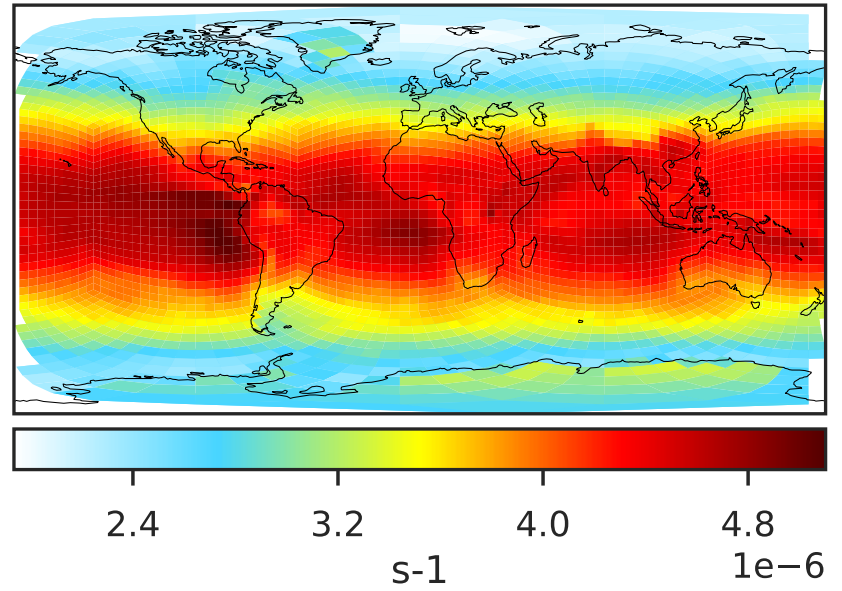
0.50 0.75 1.00 1.50 2.00  
unitless

# Jval\_INPB (AnnualMean)

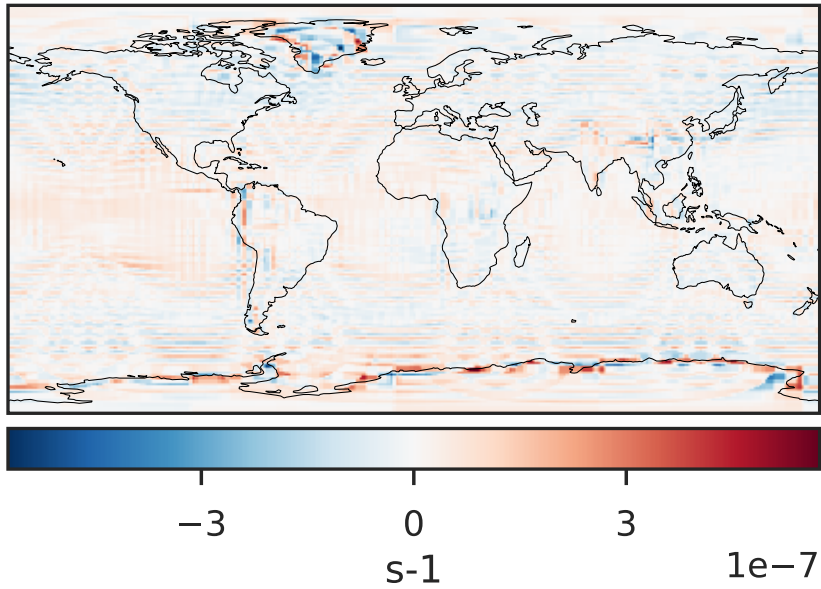
GCC\_14.2.0 (Ref)  
4.0x5.0



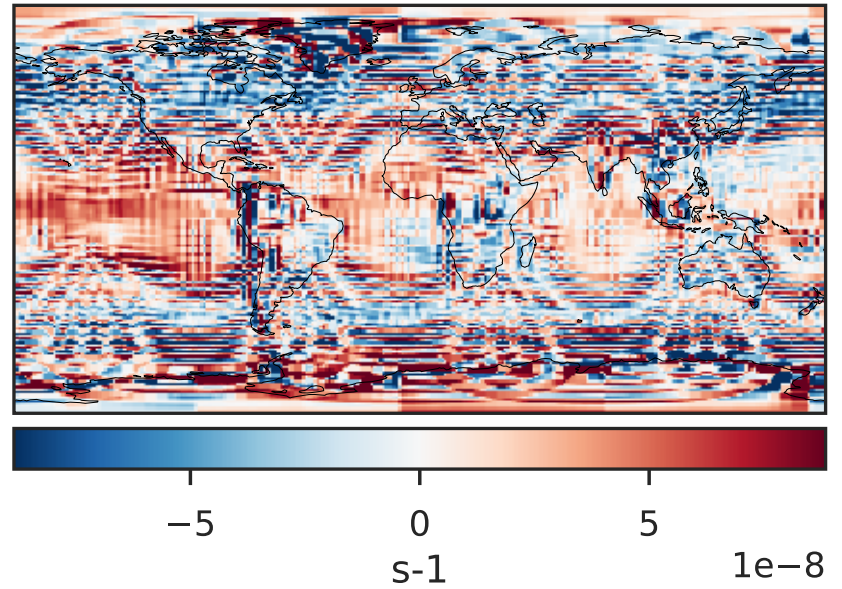
GCHP\_14.2.0 (Dev)  
c24



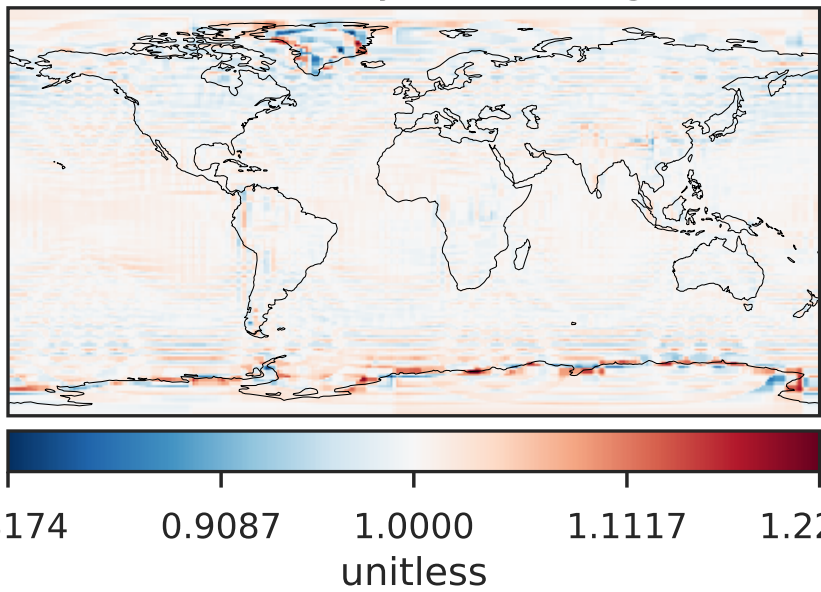
Difference (1x1.25)  
Dev - Ref, Dynamic Range



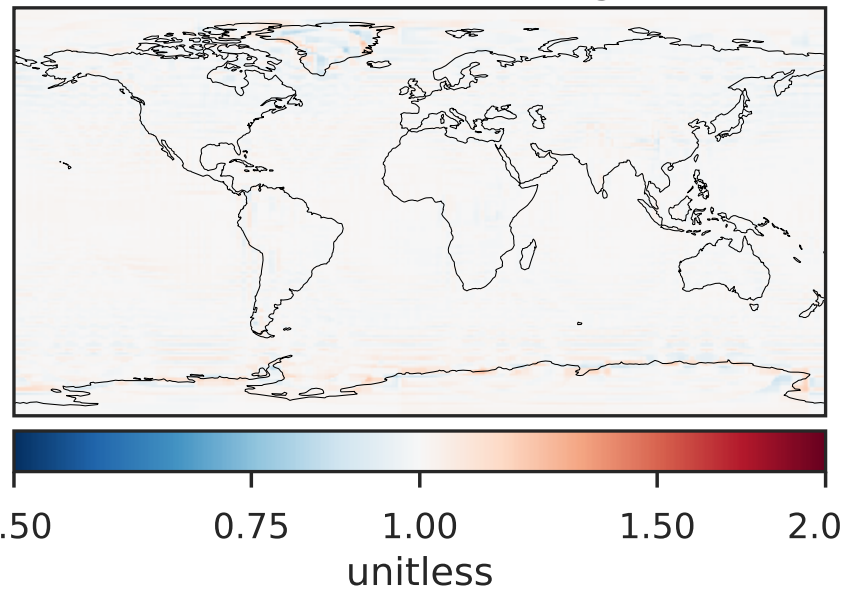
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)  
Dev/Ref, Dynamic Range

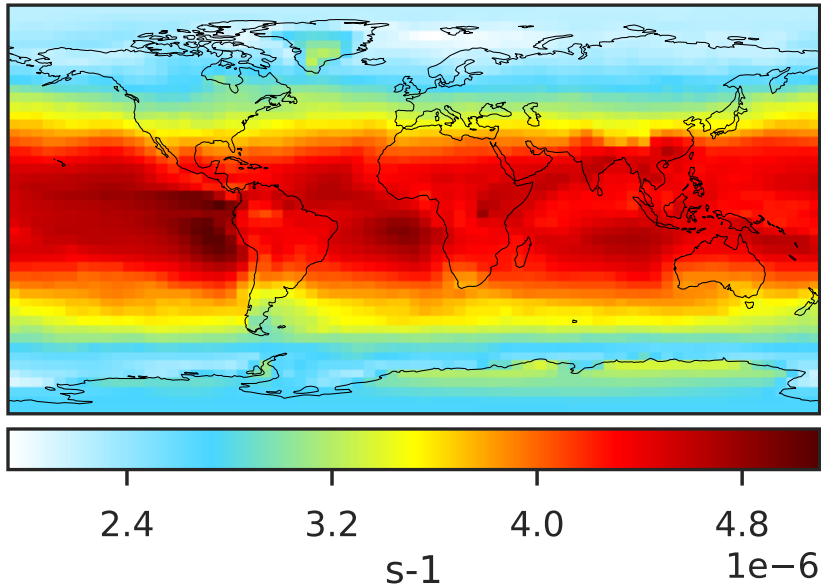


Ratio (1x1.25)  
Dev/Ref, Fixed Range

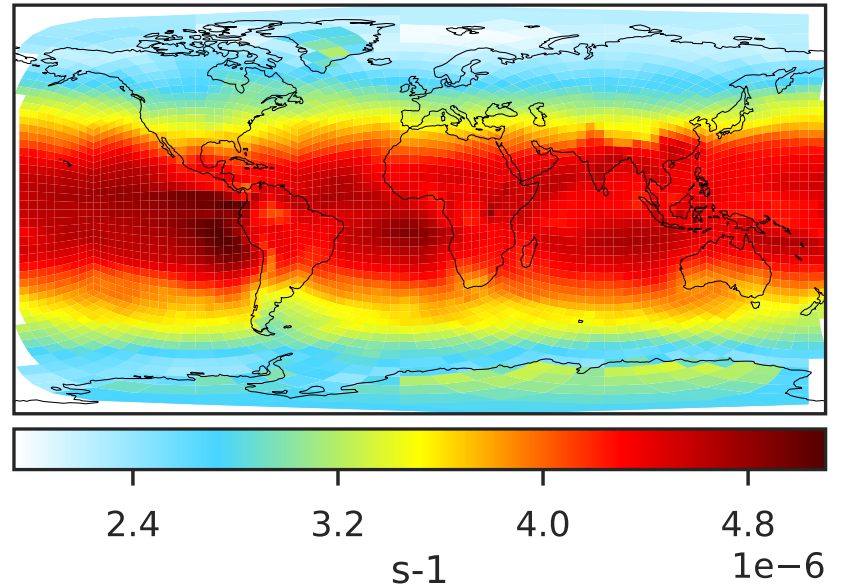


# Jval\_INPD (AnnualMean)

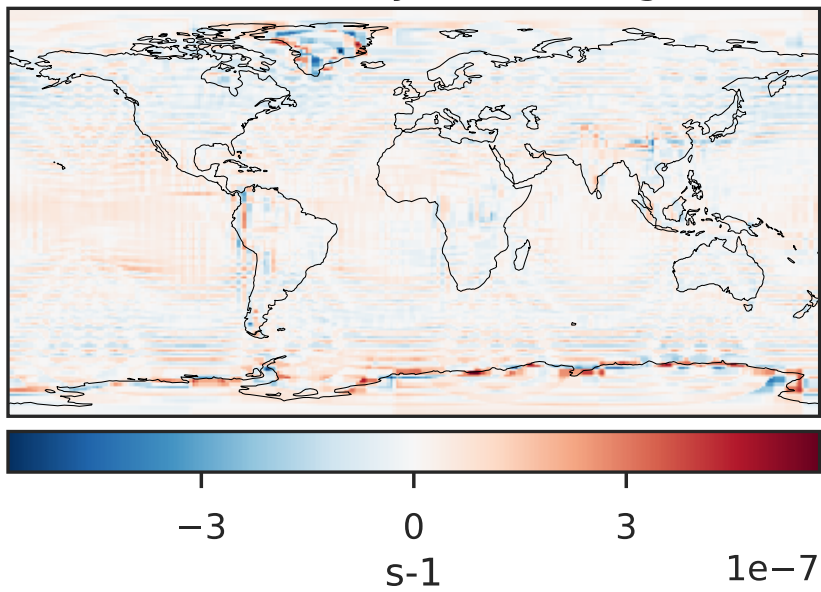
GCC\_14.2.0 (Ref)  
4.0x5.0



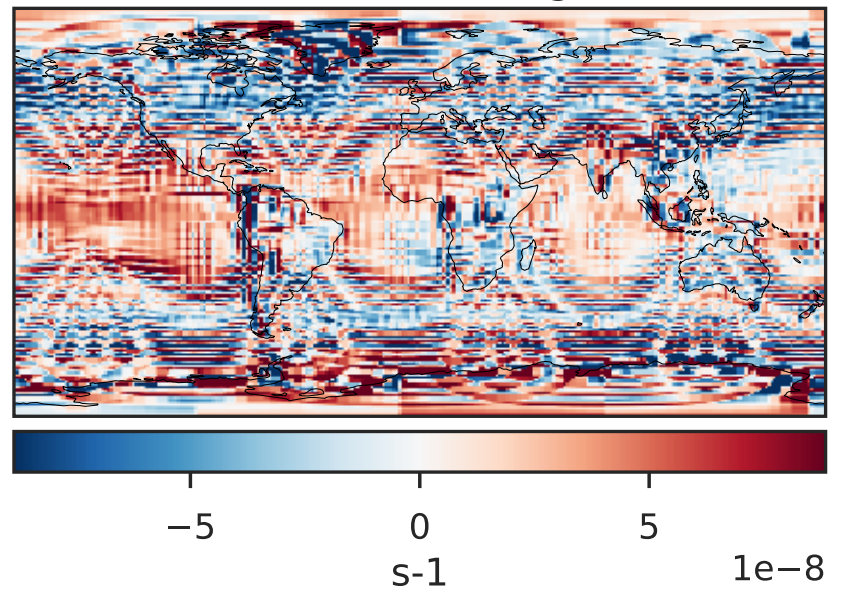
GCHP\_14.2.0 (Dev)  
c24



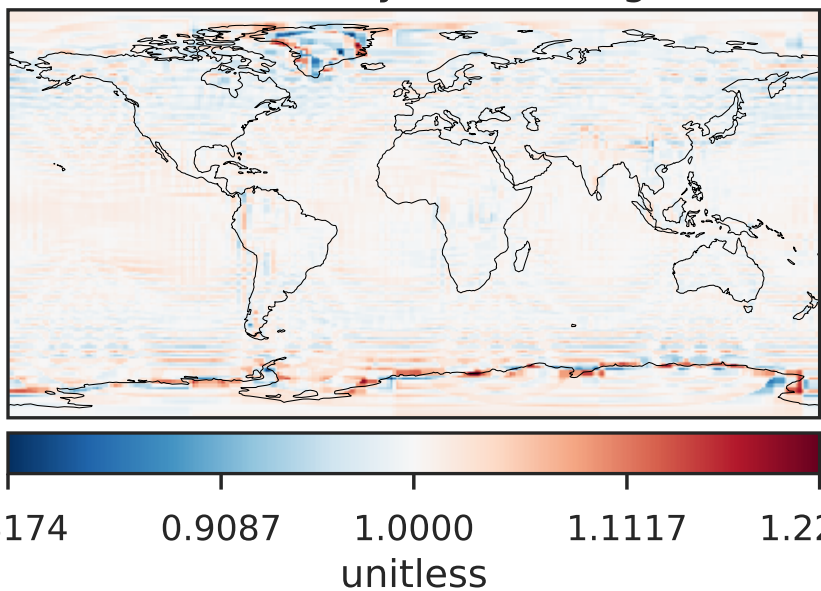
Difference (1x1.25)  
Dev - Ref, Dynamic Range



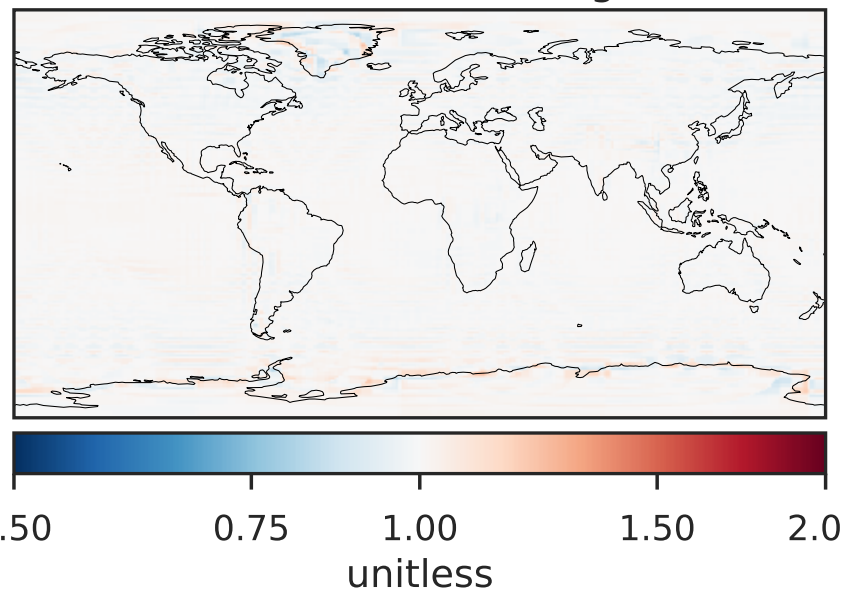
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)  
Dev/Ref, Dynamic Range

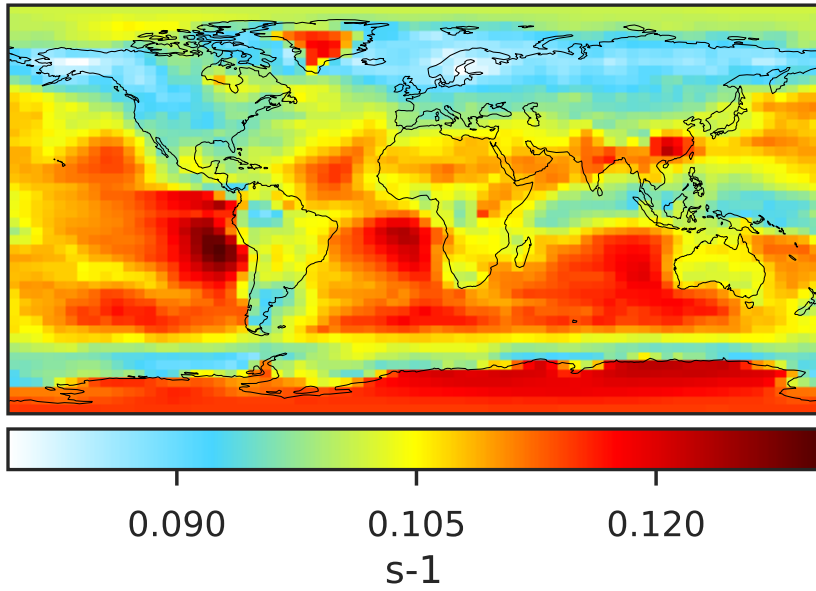


Ratio (1x1.25)  
Dev/Ref, Fixed Range

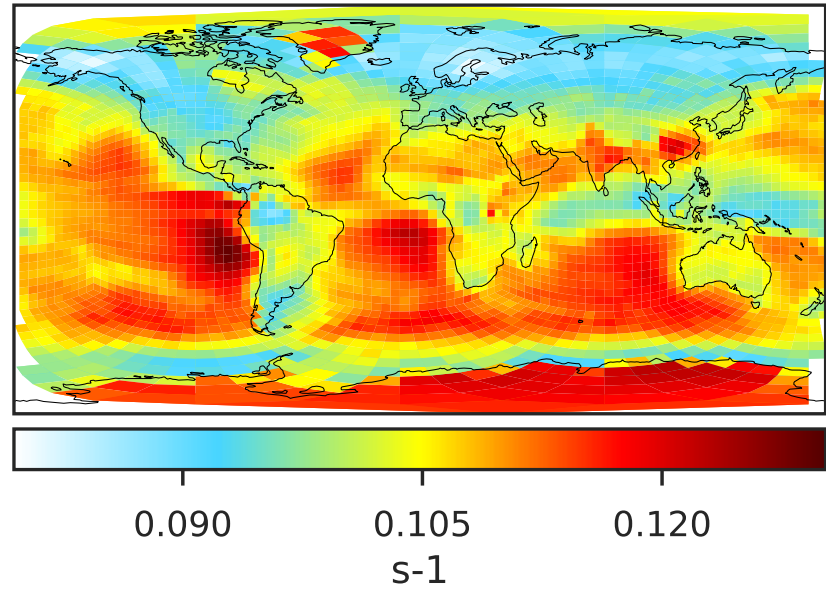


# Jval\_IO (AnnualMean)

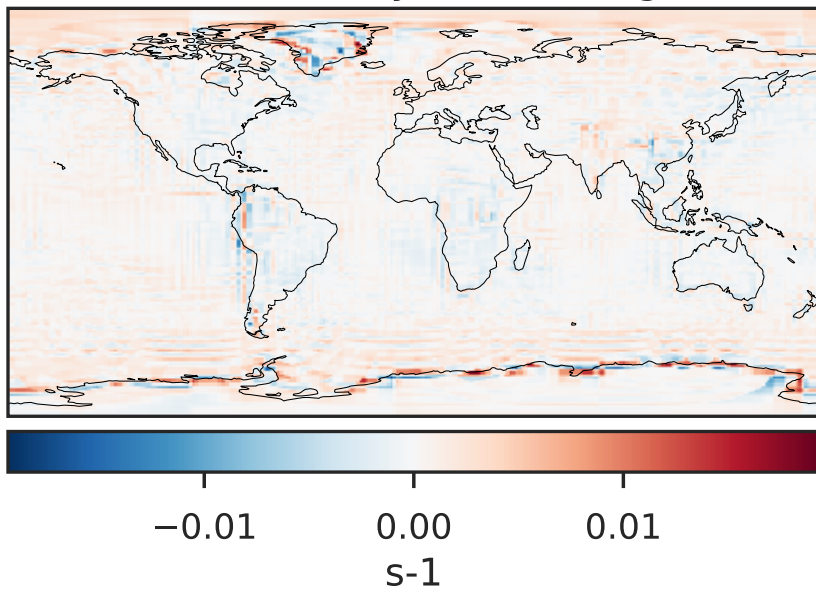
GCC\_14.2.0 (Ref)  
4.0x5.0



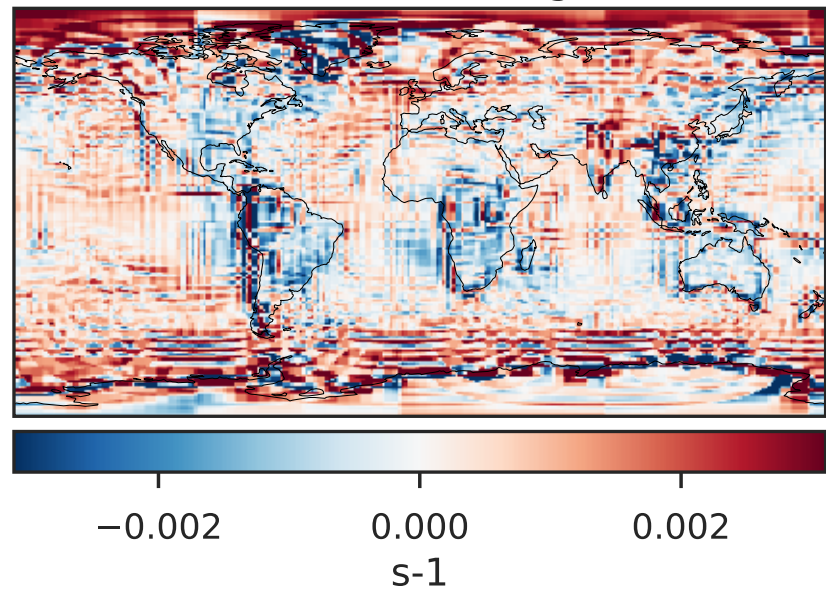
GCHP\_14.2.0 (Dev)  
c24



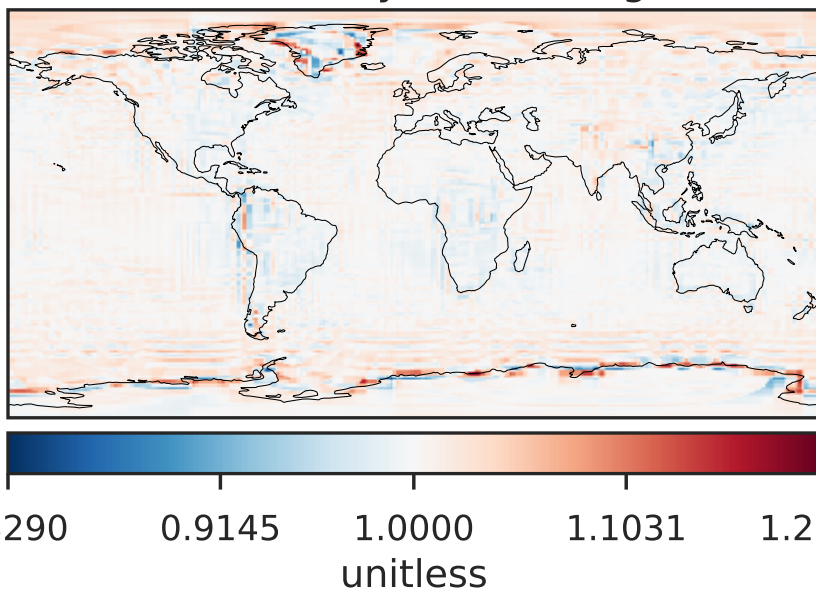
Difference (1x1.25)  
Dev - Ref, Dynamic Range



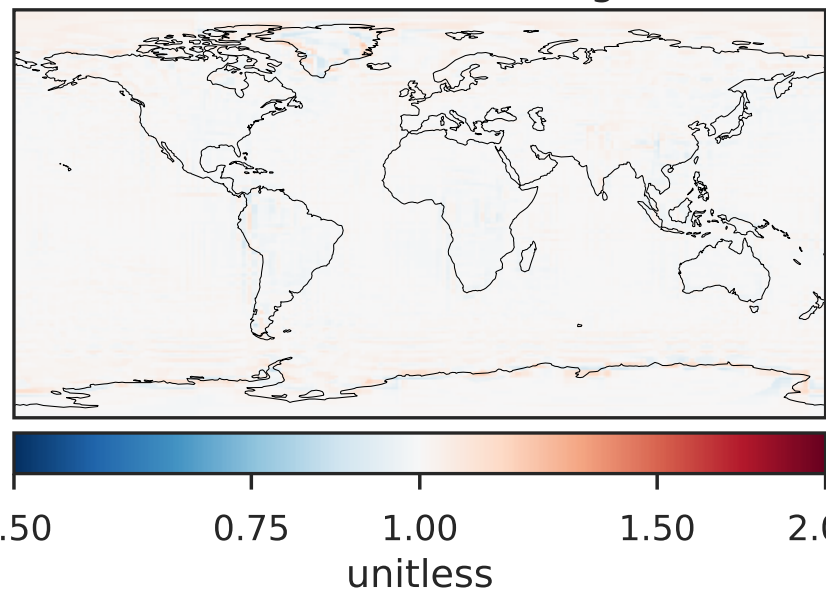
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)  
Dev/Ref, Dynamic Range

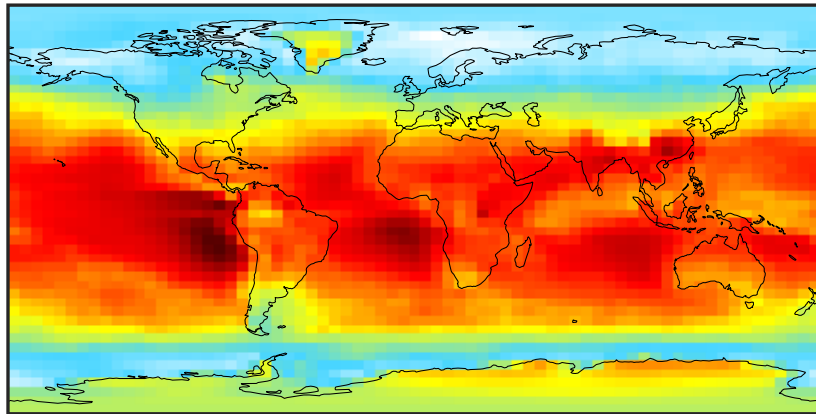


Ratio (1x1.25)  
Dev/Ref, Fixed Range



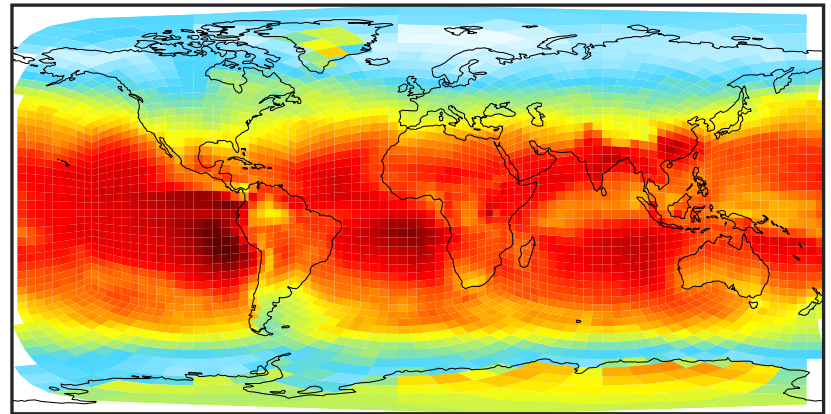
# Jval\_IONO (AnnualMean)

GCC\_14.2.0 (Ref)  
4.0x5.0



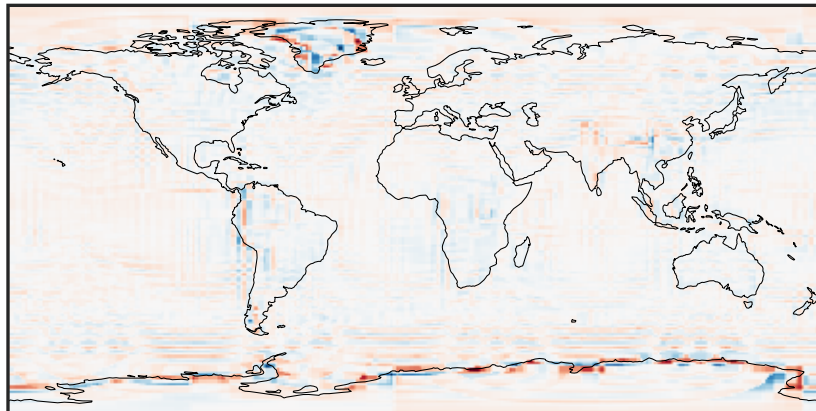
0.00100 0.00125 0.00150 0.00175  
s-1

GCHP\_14.2.0 (Dev)  
c24



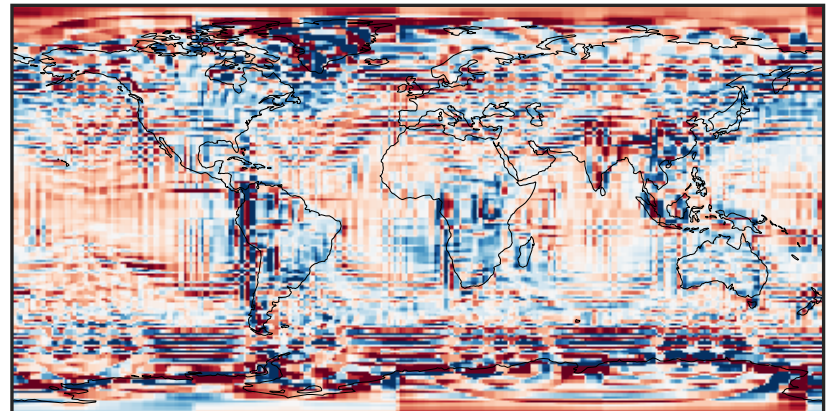
0.00100 0.00125 0.00150 0.00175  
s-1

Difference (1x1.25)  
Dev - Ref, Dynamic Range



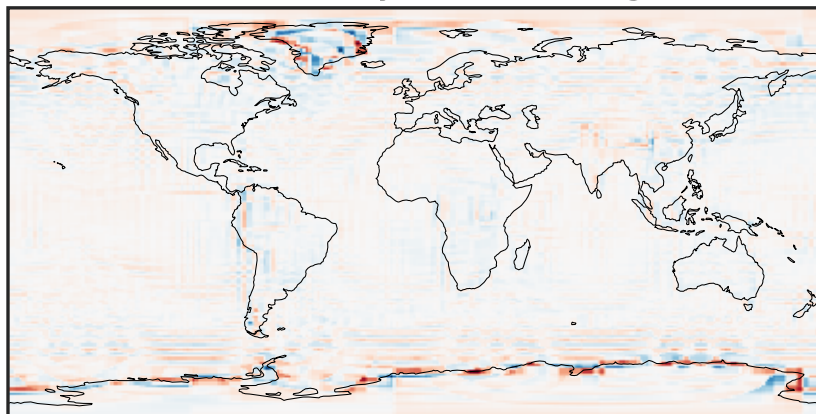
-0.00015 0.00000 0.00015  
s-1

Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



-2 0 2  
s-1 1e-5

Ratio (1x1.25)  
Dev/Ref, Dynamic Range



0.8188 0.9094 1.0000 1.1107 1.2213  
unitless

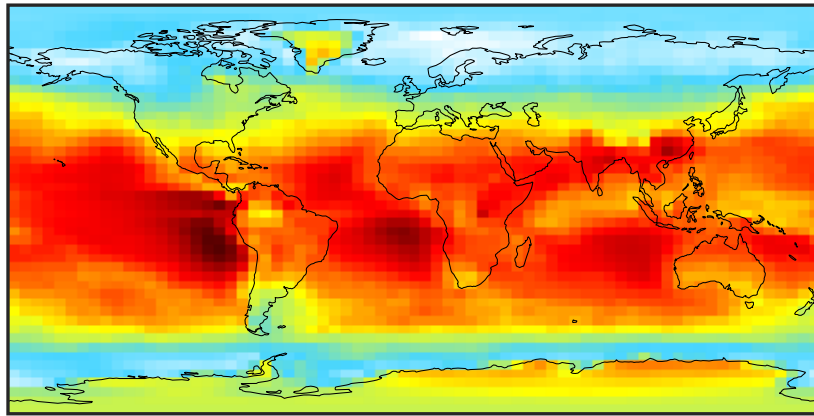
Ratio (1x1.25)  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

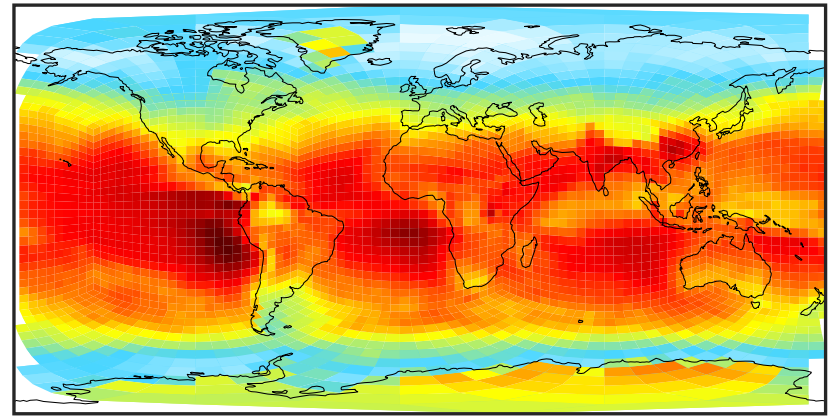
# Jval\_IONO2 (AnnualMean)

GCC\_14.2.0 (Ref)  
4.0x5.0



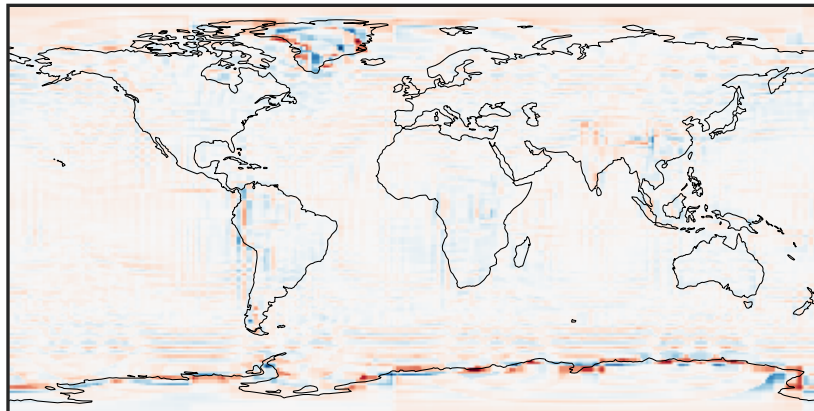
0.0040 0.0048 0.0056  
s-1

GCHP\_14.2.0 (Dev)  
c24



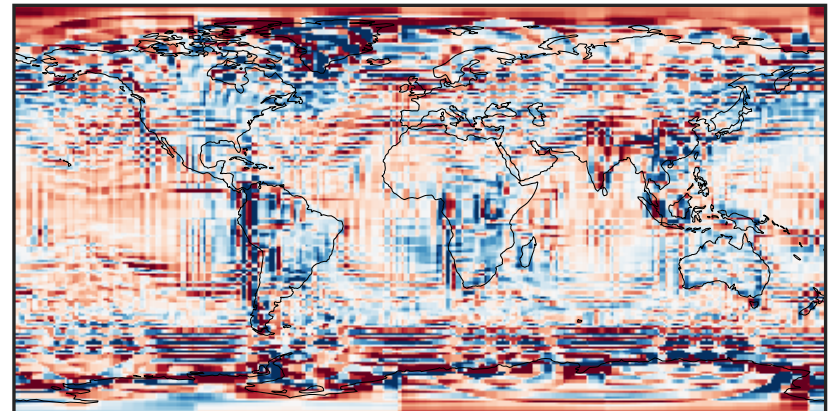
0.0040 0.0048 0.0056  
s-1

Difference (1x1.25)  
Dev - Ref, Dynamic Range



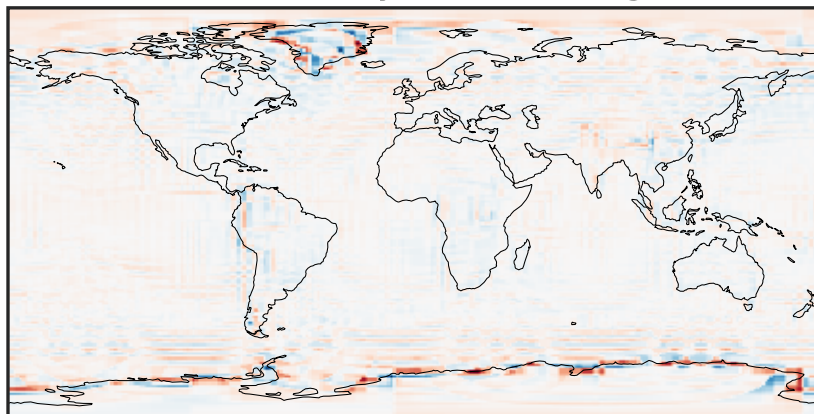
-0.0005 0.0000 0.0005  
s-1

Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



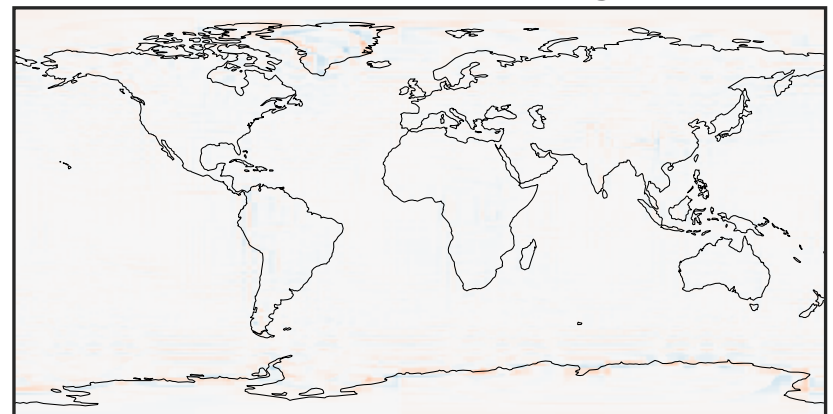
-6 0 6  
s-1 1e-5

Ratio (1x1.25)  
Dev/Ref, Dynamic Range



0.8197 0.9099 1.0000 1.1100 1.2200  
unitless

Ratio (1x1.25)  
Dev/Ref, Fixed Range

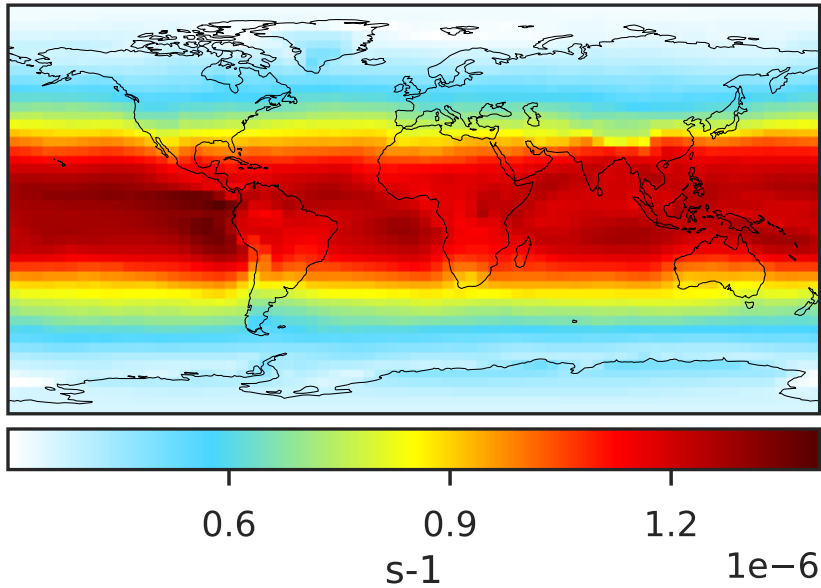


0.50 0.75 1.00 1.50 2.00  
unitless

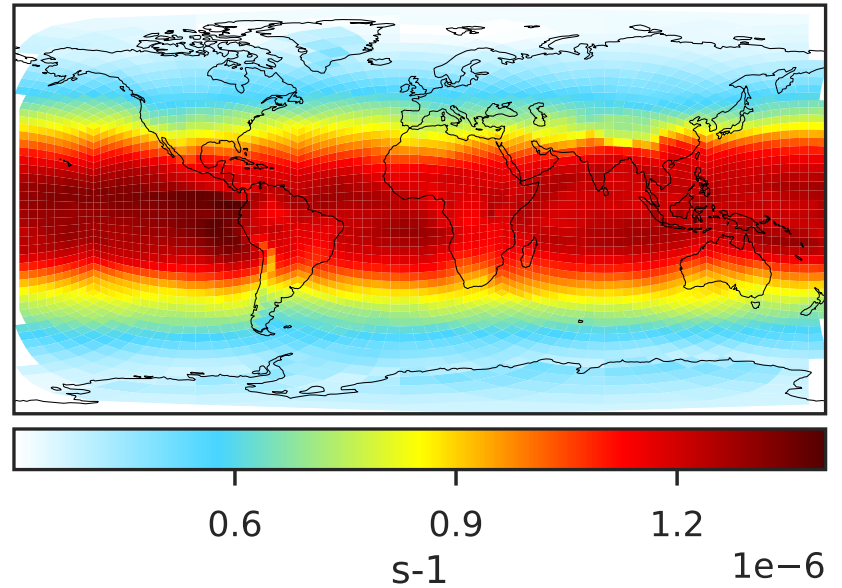


# Jval\_IPRNO3 (AnnualMean)

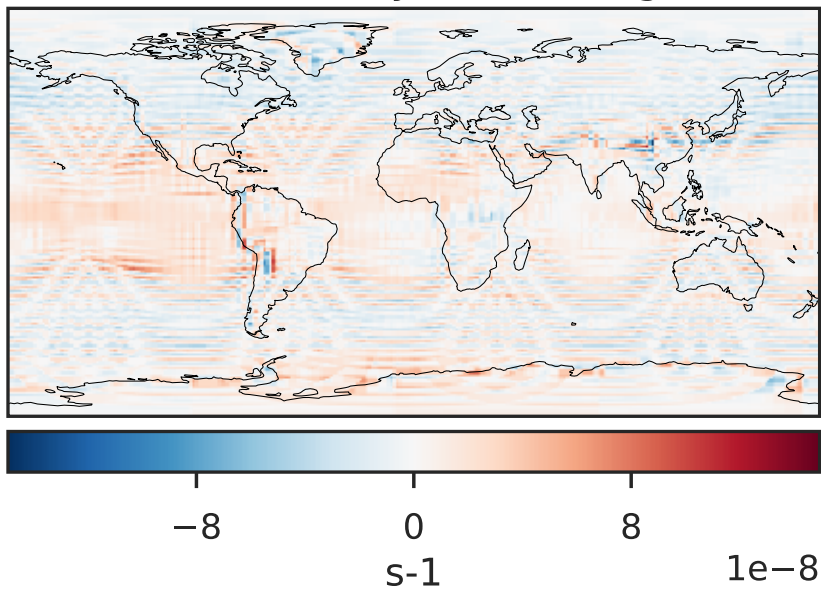
GCC\_14.2.0 (Ref)  
4.0x5.0



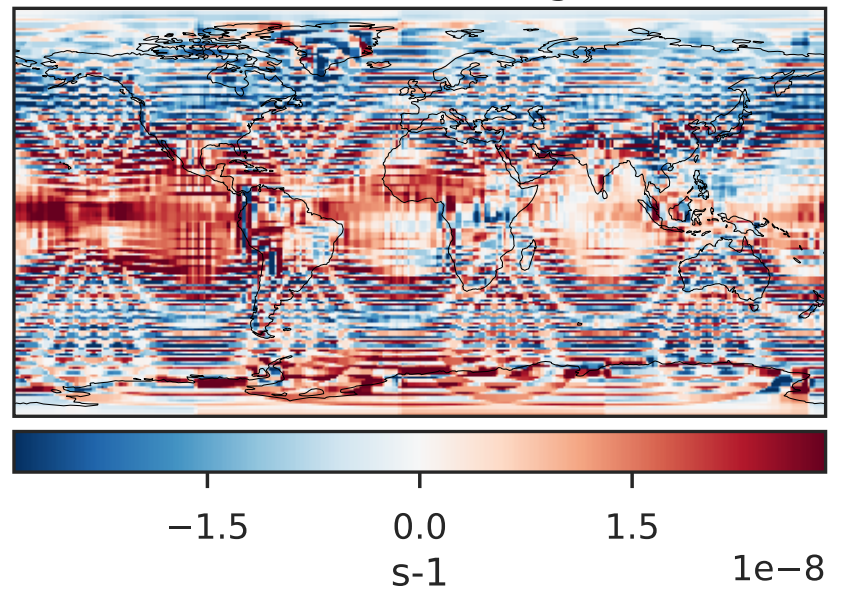
GCHP\_14.2.0 (Dev)  
c24



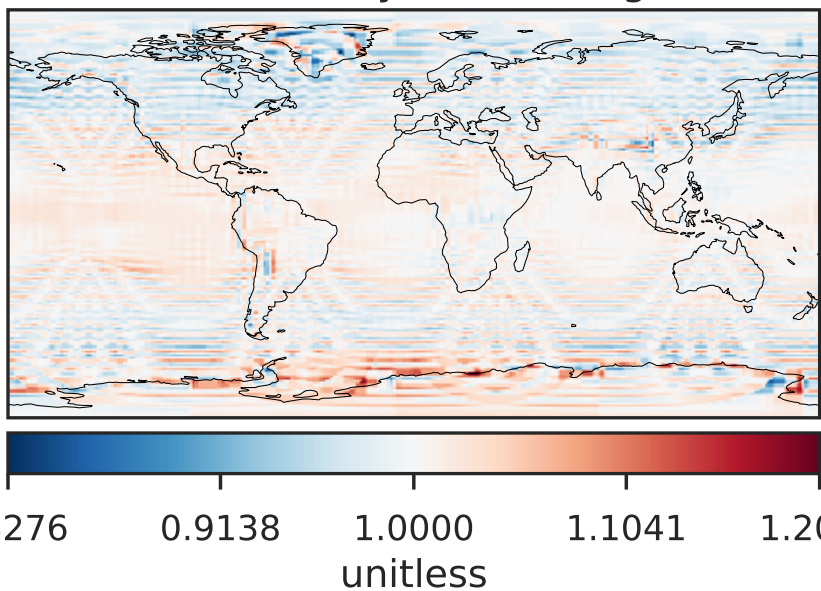
Difference (1x1.25)  
Dev - Ref, Dynamic Range



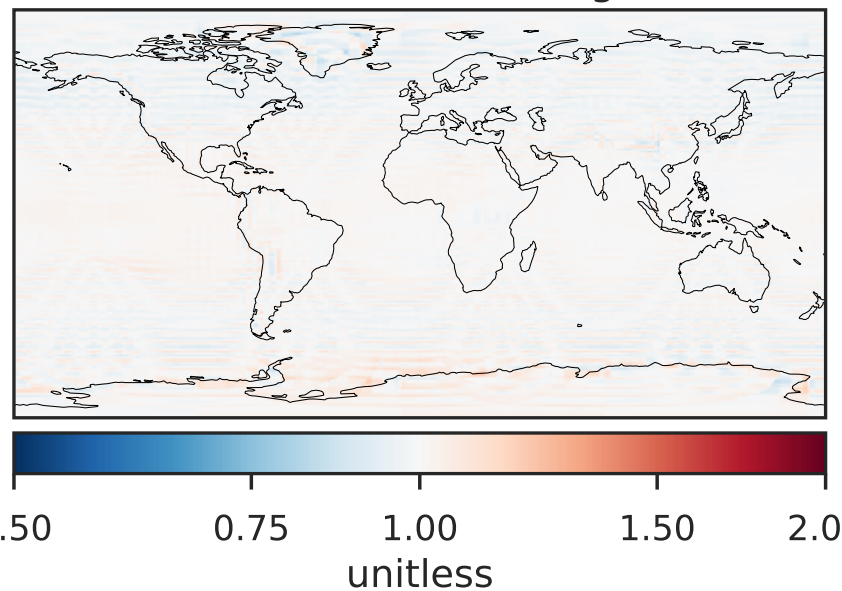
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)  
Dev/Ref, Dynamic Range

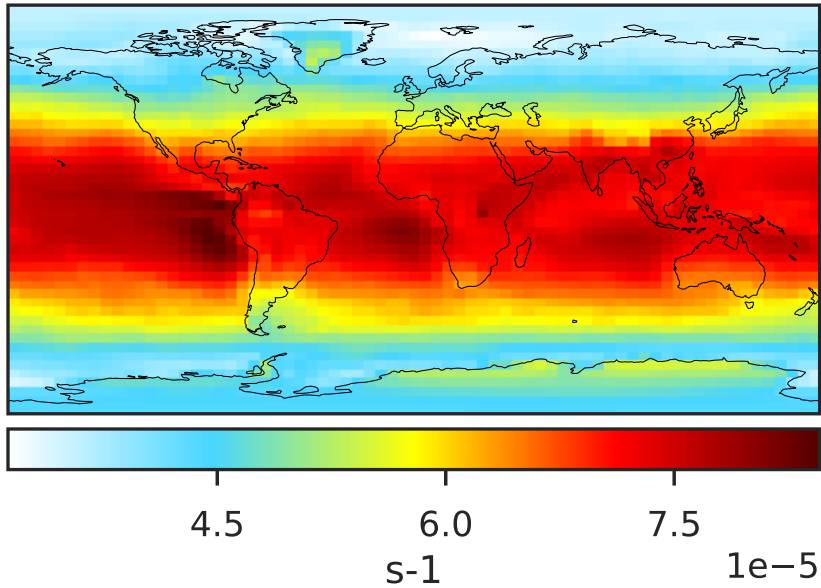


Ratio (1x1.25)  
Dev/Ref, Fixed Range

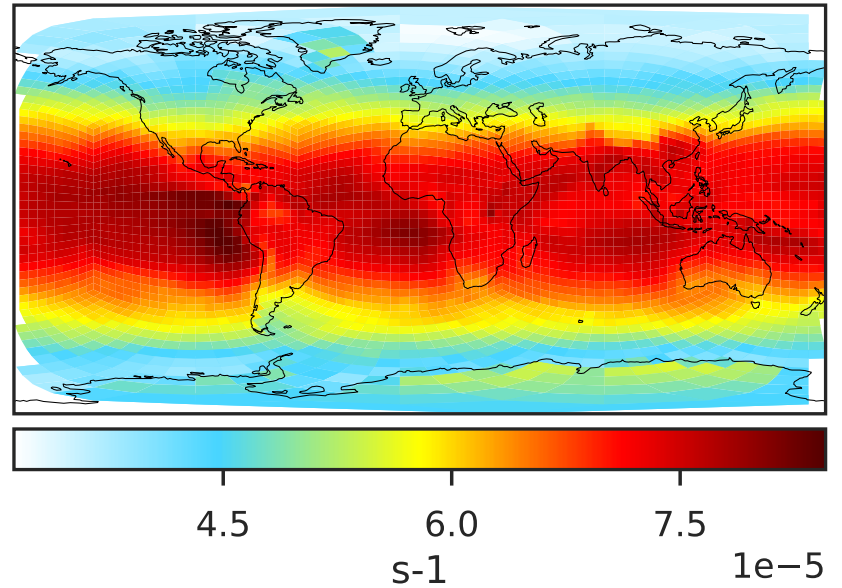


# Jval\_ITCN (AnnualMean)

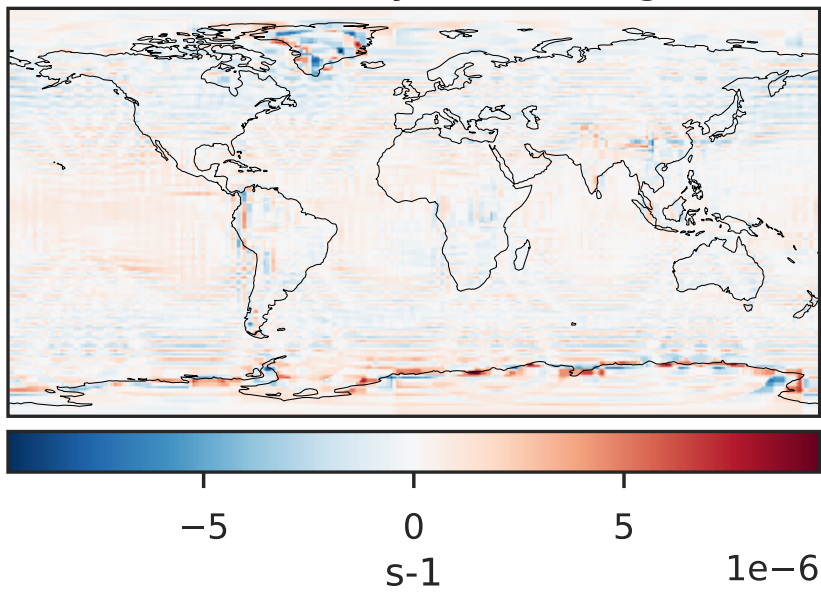
GCC\_14.2.0 (Ref)  
4.0x5.0



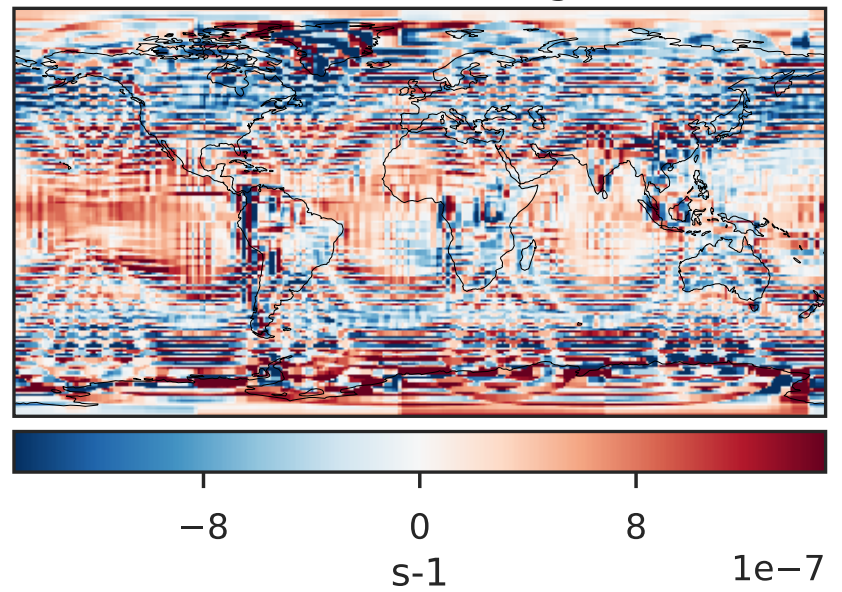
GCHP\_14.2.0 (Dev)  
c24



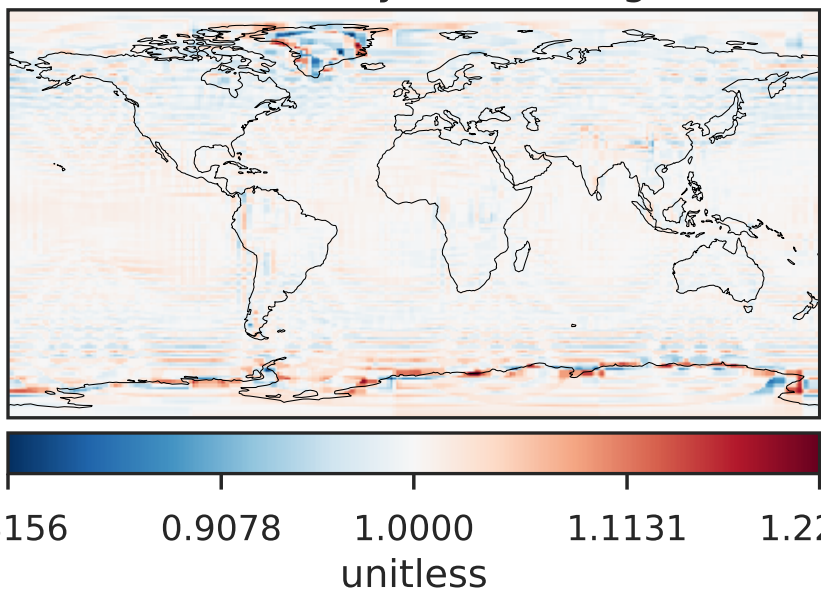
Difference (1x1.25)  
Dev - Ref, Dynamic Range



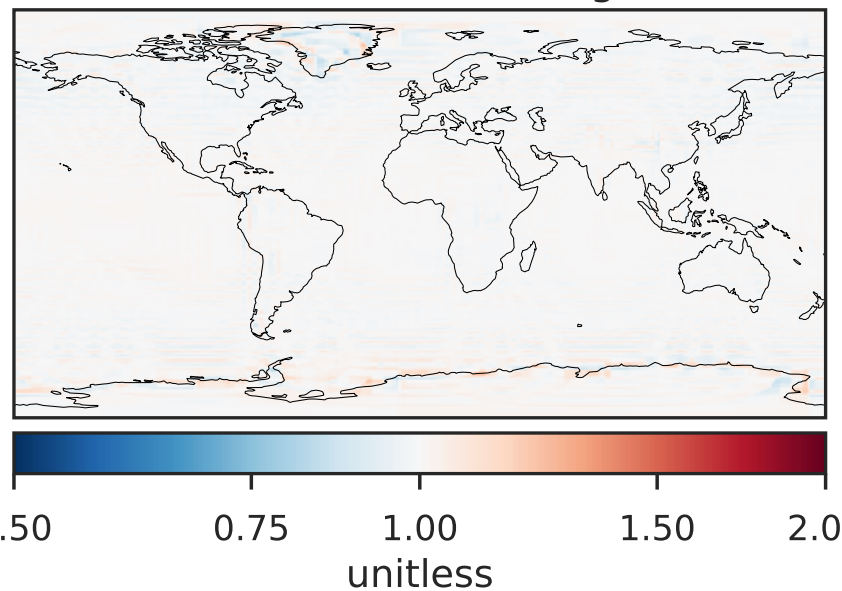
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)  
Dev/Ref, Dynamic Range

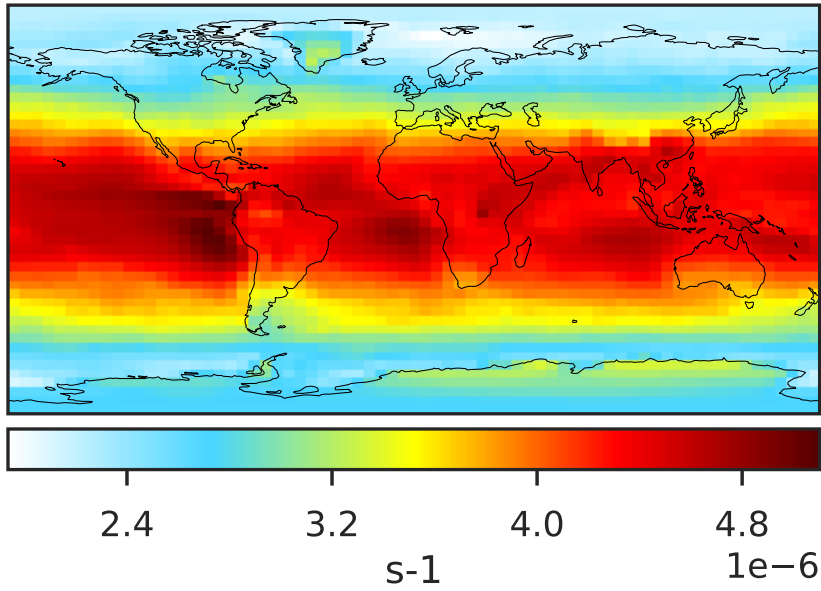


Ratio (1x1.25)  
Dev/Ref, Fixed Range

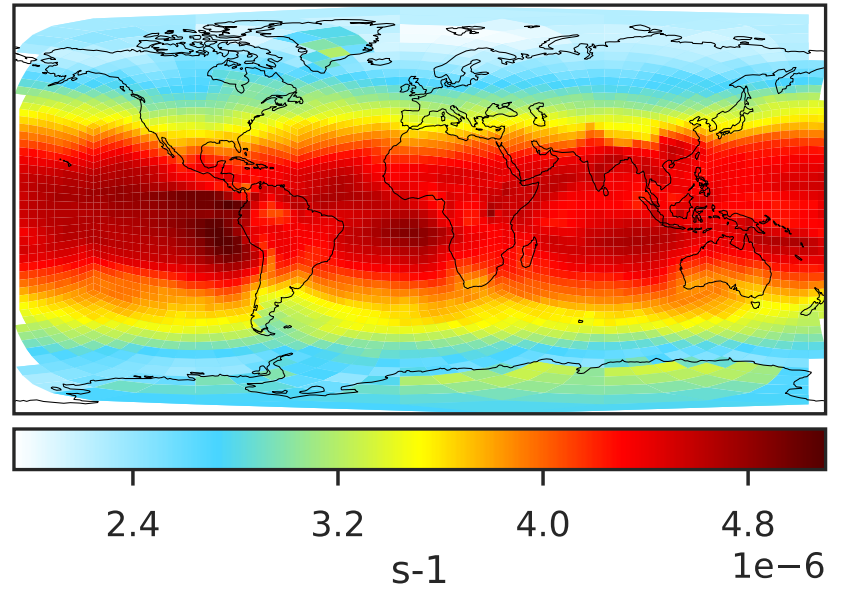


# Jval\_ITHN (AnnualMean)

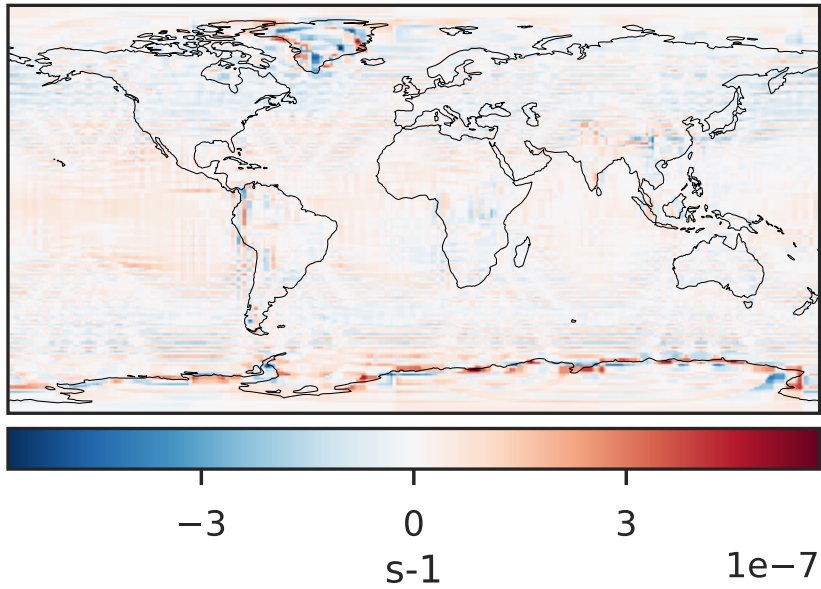
GCC\_14.2.0 (Ref)  
4.0x5.0



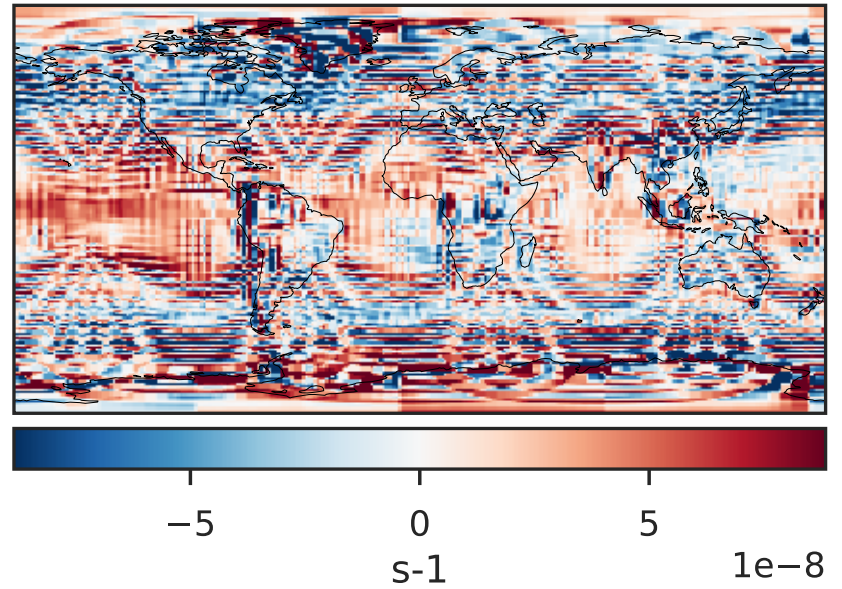
GCHP\_14.2.0 (Dev)  
c24



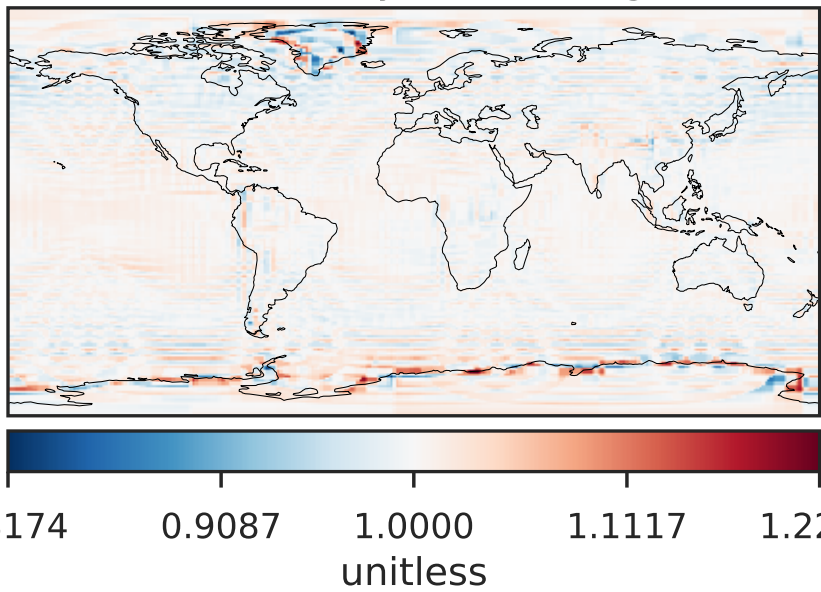
Difference (1x1.25)  
Dev - Ref, Dynamic Range



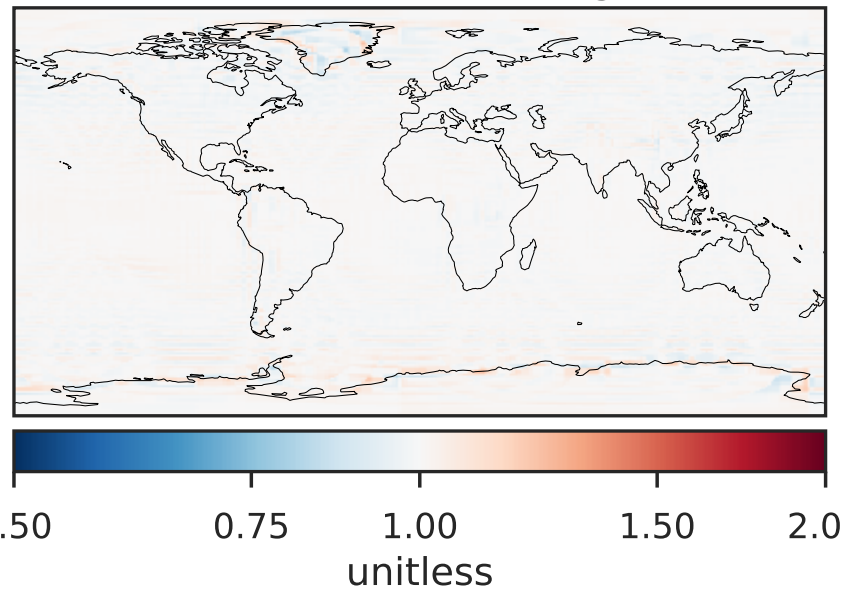
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)  
Dev/Ref, Dynamic Range

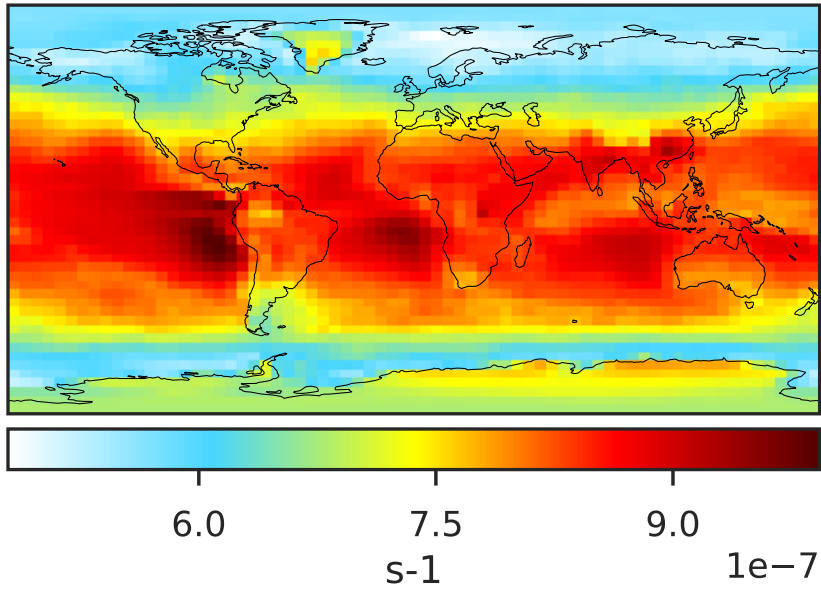


Ratio (1x1.25)  
Dev/Ref, Fixed Range

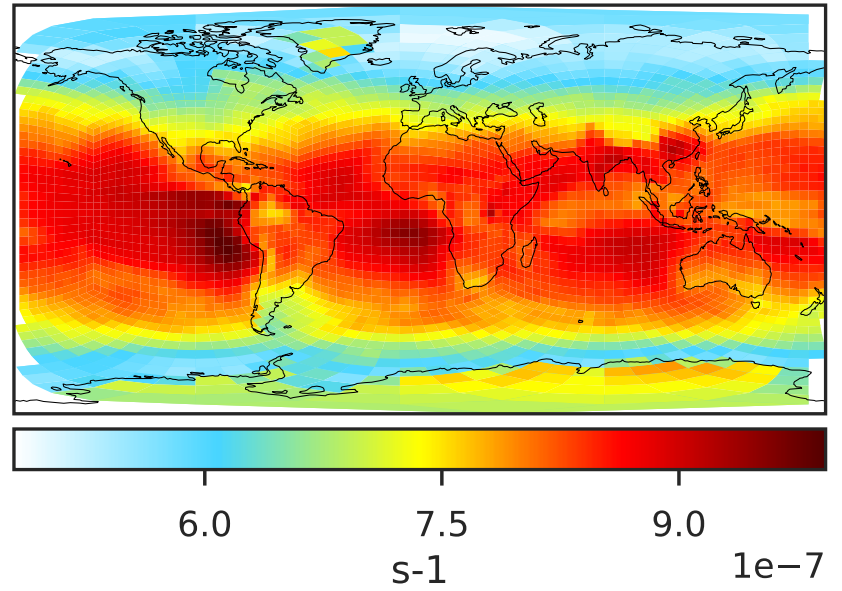


# Jval\_MACR (AnnualMean)

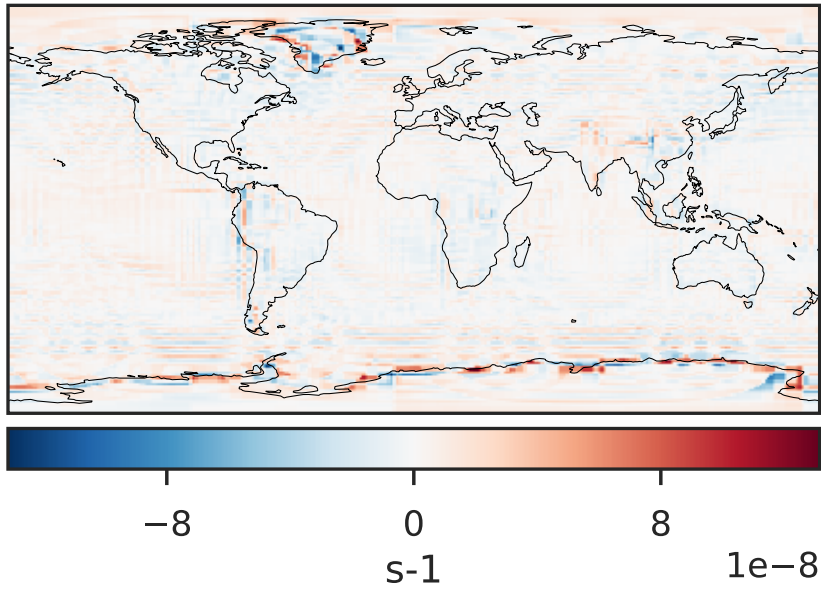
GCC\_14.2.0 (Ref)  
4.0x5.0



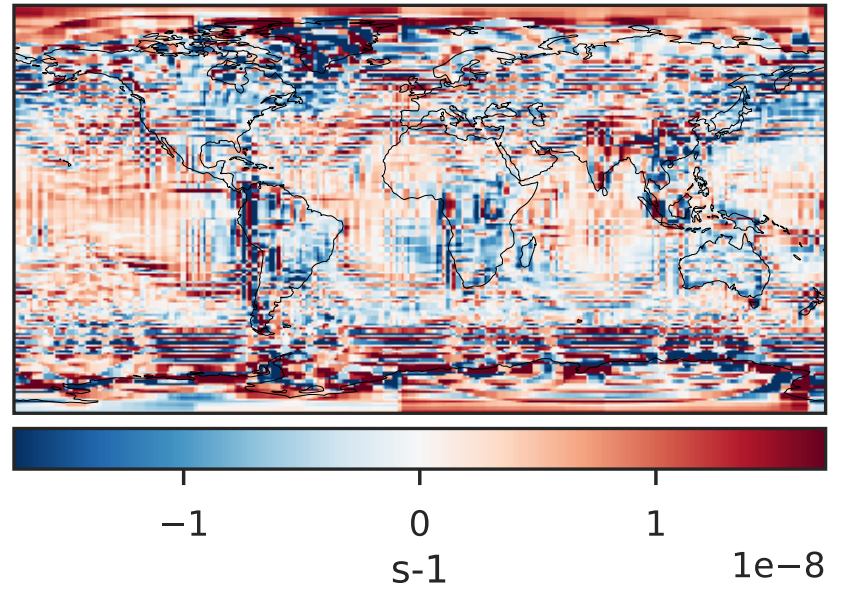
GCHP\_14.2.0 (Dev)  
c24



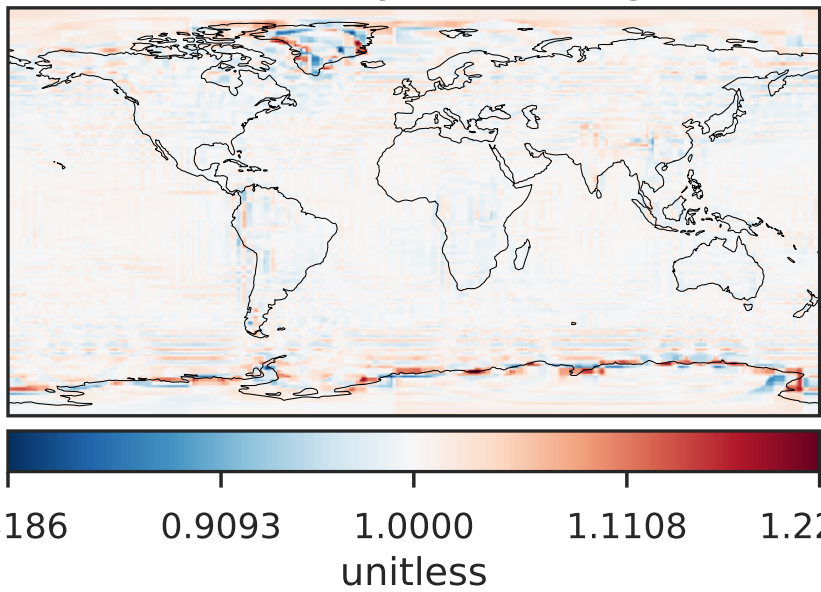
Difference (1x1.25)  
Dev - Ref, Dynamic Range



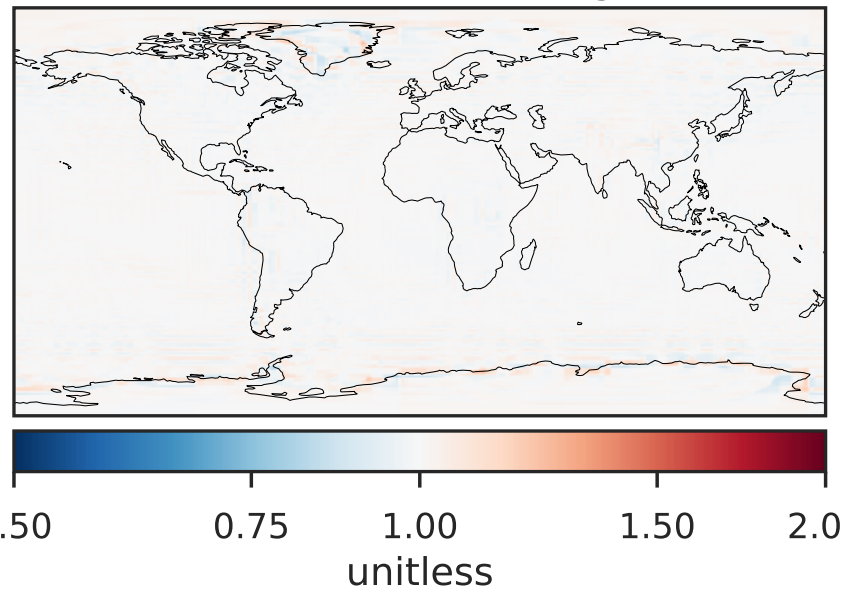
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)  
Dev/Ref, Dynamic Range

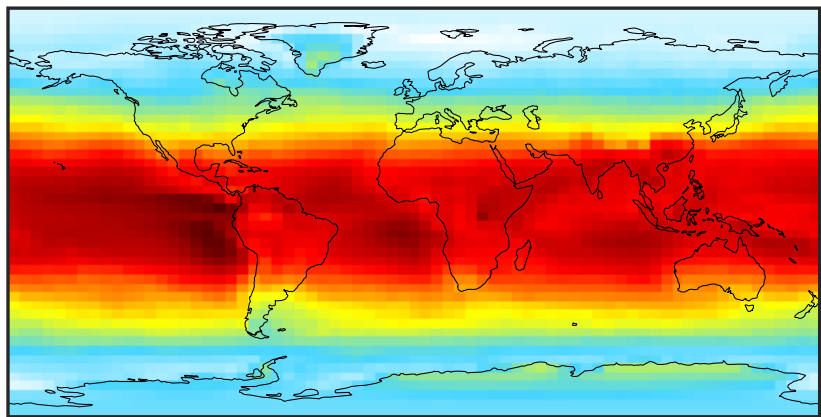


Ratio (1x1.25)  
Dev/Ref, Fixed Range



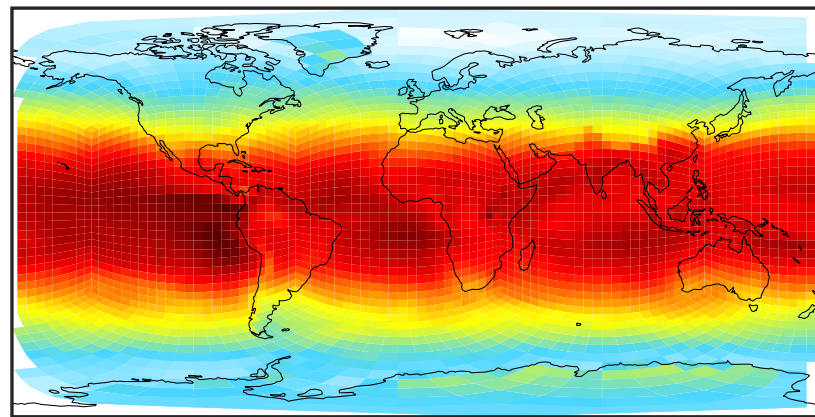
# Jval\_MACR100H (AnnualMean)

GCC\_14.2.0 (Ref)  
4.0x5.0



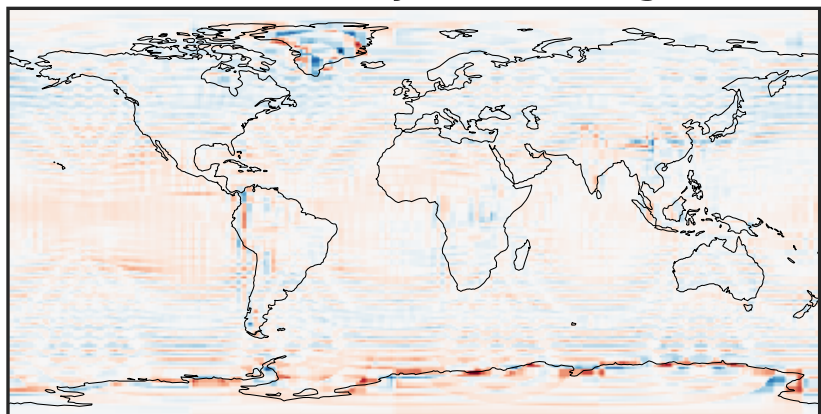
1.2 1.8 2.4 3.0  
s-1 1e-5

GCHP\_14.2.0 (Dev)  
c24



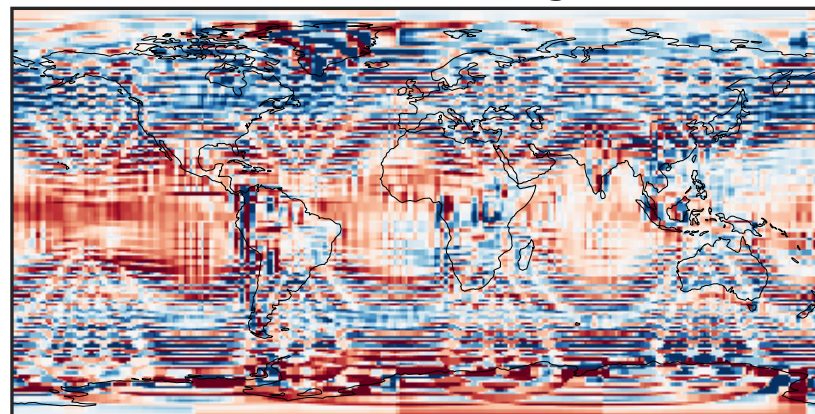
1.2 1.8 2.4 3.0  
s-1 1e-5

Difference (1x1.25)  
Dev - Ref, Dynamic Range



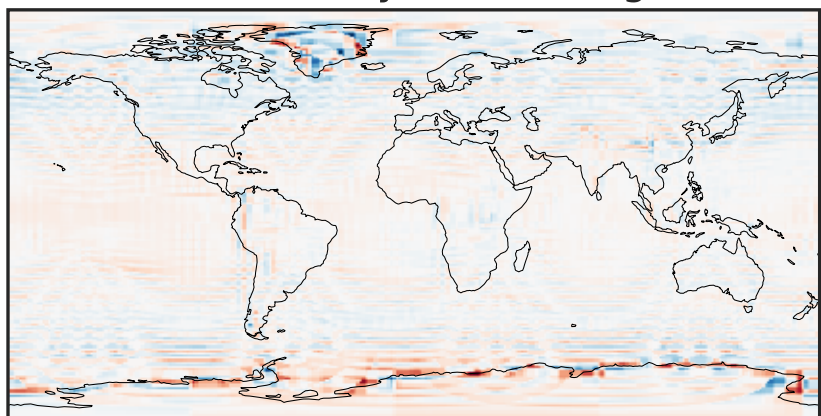
-2 0 2  
s-1 1e-6

Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



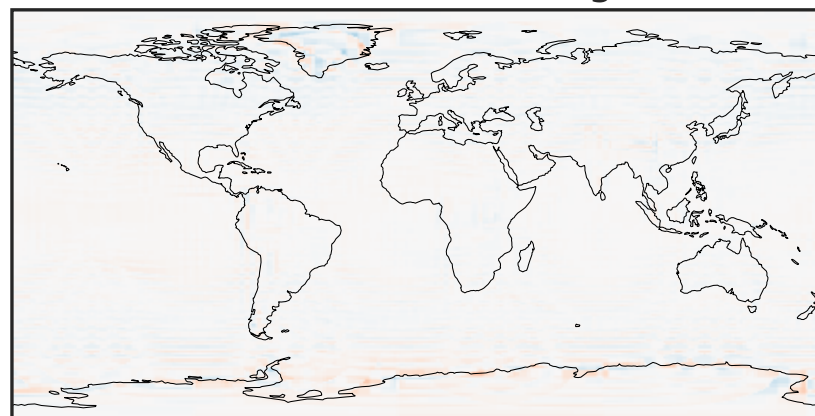
-4 0 4  
s-1 1e-7

Ratio (1x1.25)  
Dev/Ref, Dynamic Range



0.8155 0.9078 1.0000 1.1131 1.2262  
unitless

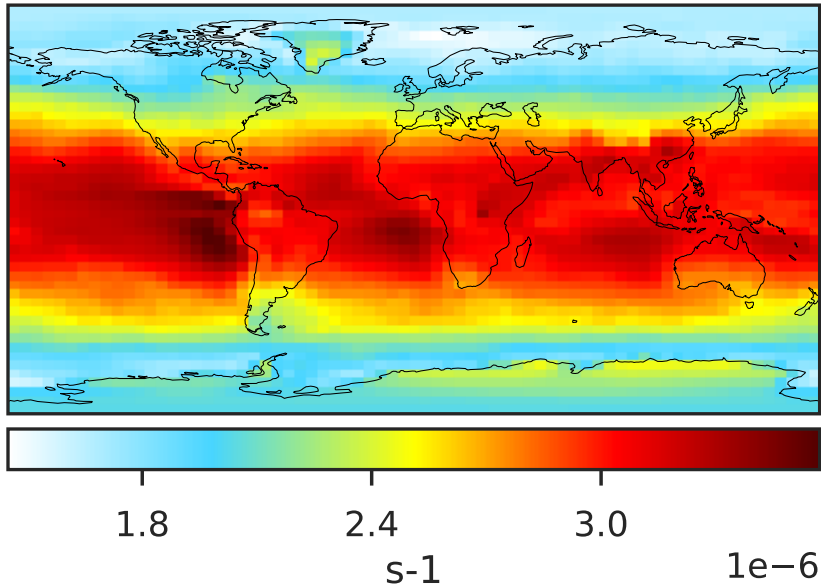
Ratio (1x1.25)  
Dev/Ref, Fixed Range



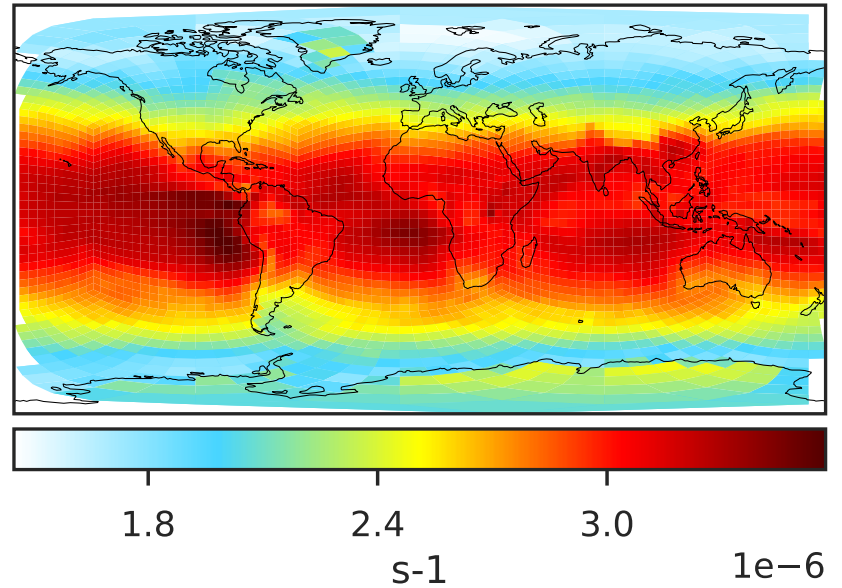
0.50 0.75 1.00 1.50 2.00  
unitless

# Jval\_MAP (AnnualMean)

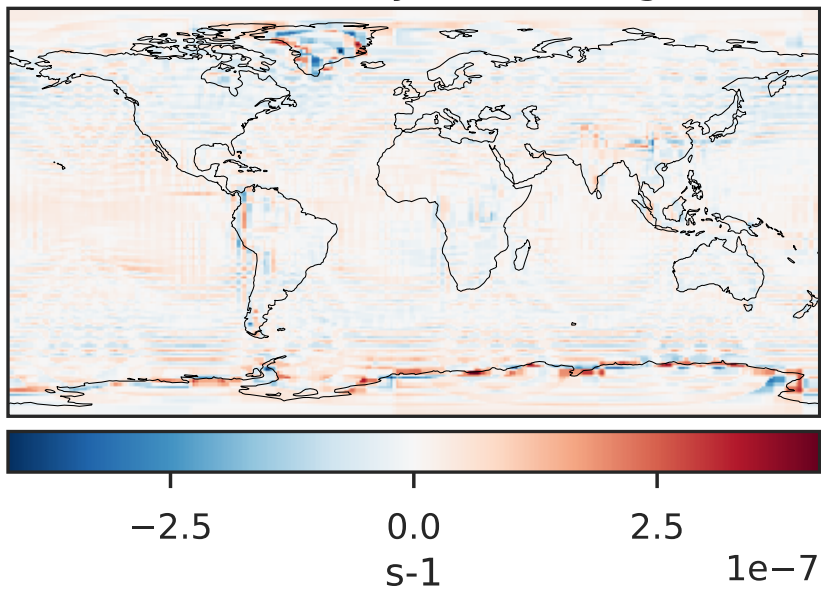
GCC\_14.2.0 (Ref)  
4.0x5.0



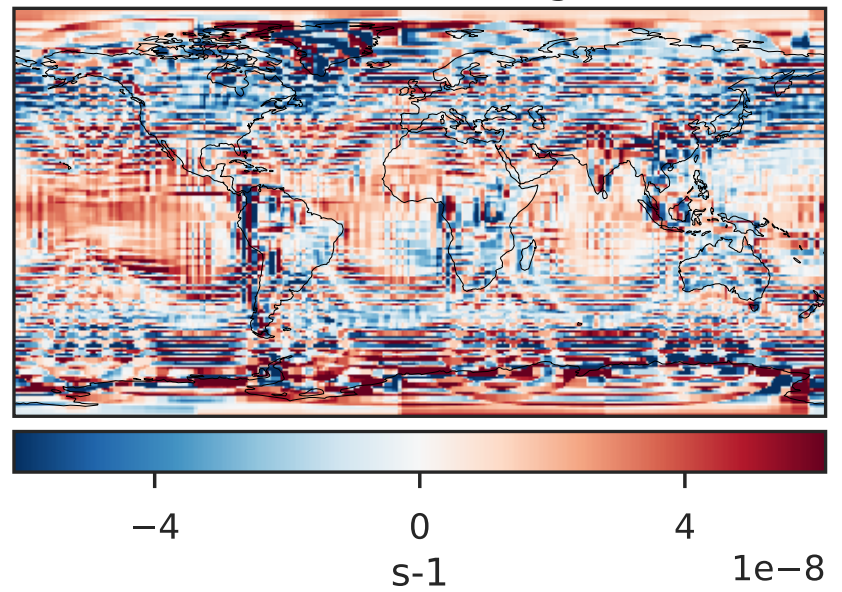
GCHP\_14.2.0 (Dev)  
c24



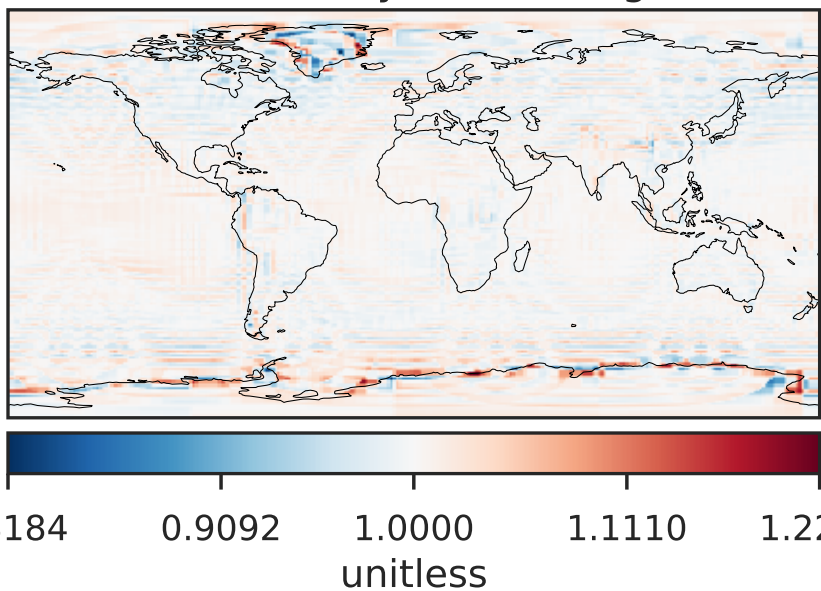
Difference (1x1.25)  
Dev - Ref, Dynamic Range



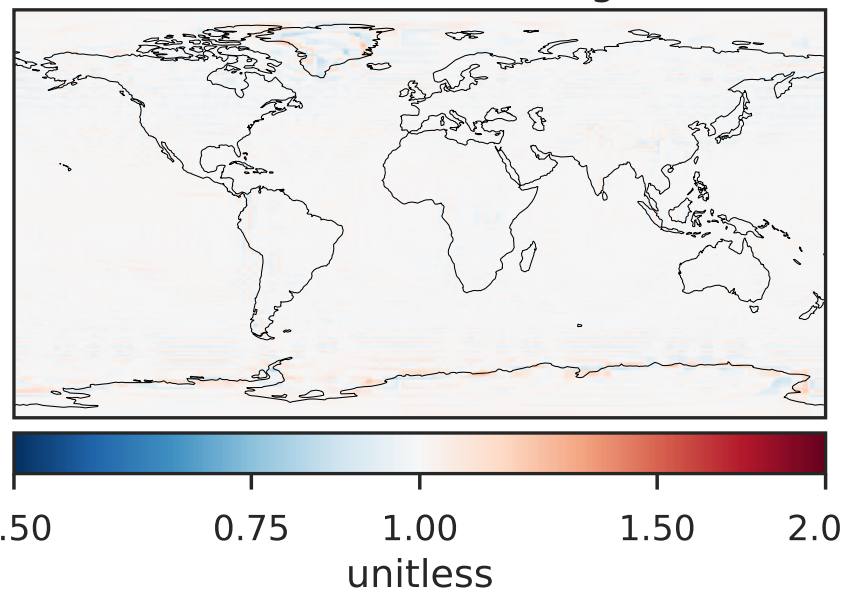
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)  
Dev/Ref, Dynamic Range

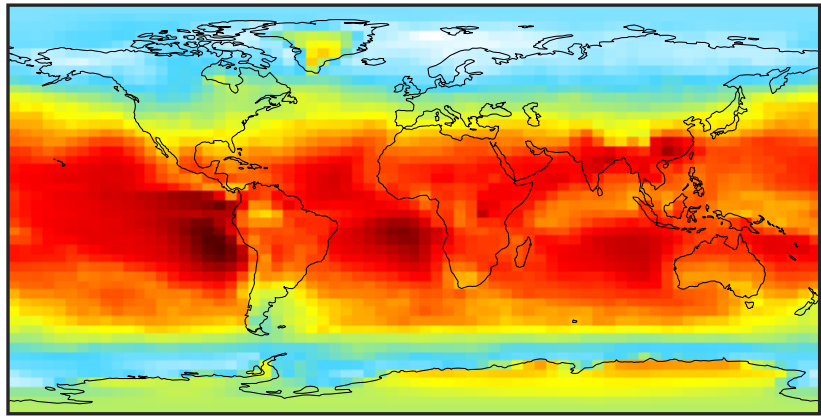


Ratio (1x1.25)  
Dev/Ref, Fixed Range



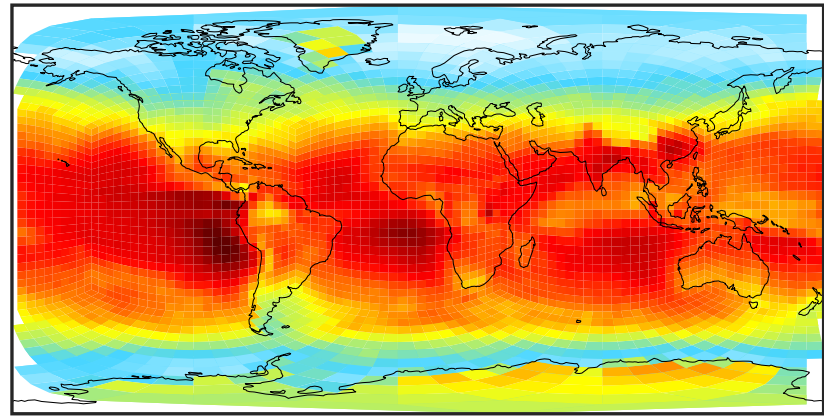
# Jval\_MCRENOL (AnnualMean)

GCC\_14.2.0 (Ref)  
4.0x5.0



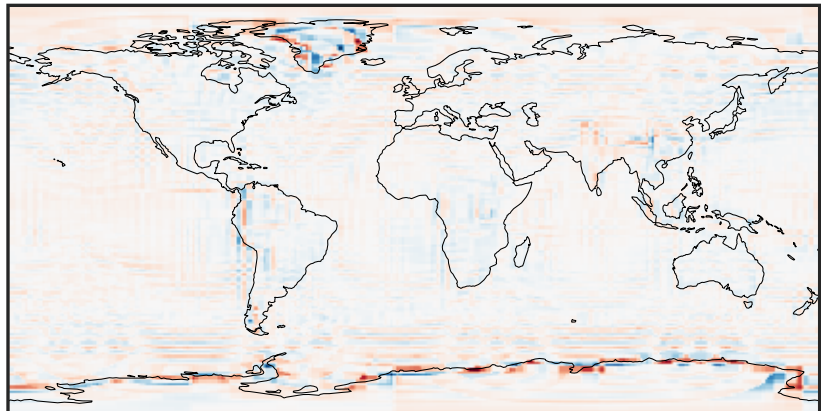
0.000100 0.000125 0.000150 0.000175  
s-1

GCHP\_14.2.0 (Dev)  
c24



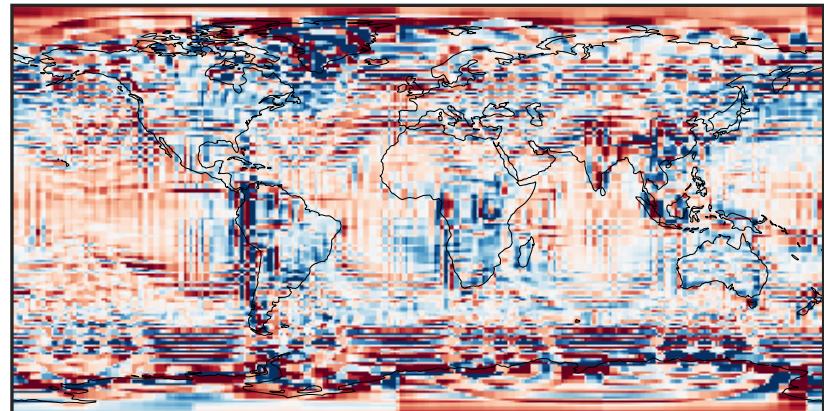
0.000100 0.000125 0.000150 0.000175  
s-1

Difference (1x1.25)  
Dev - Ref, Dynamic Range



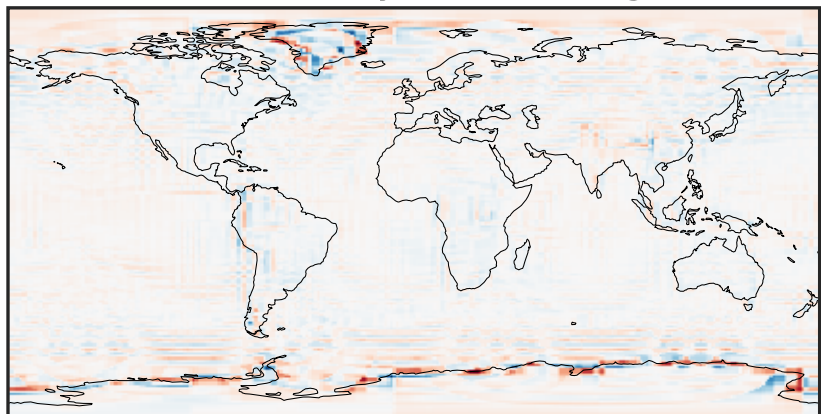
-1.5 0.0 1.5  
s-1 1e-5

Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



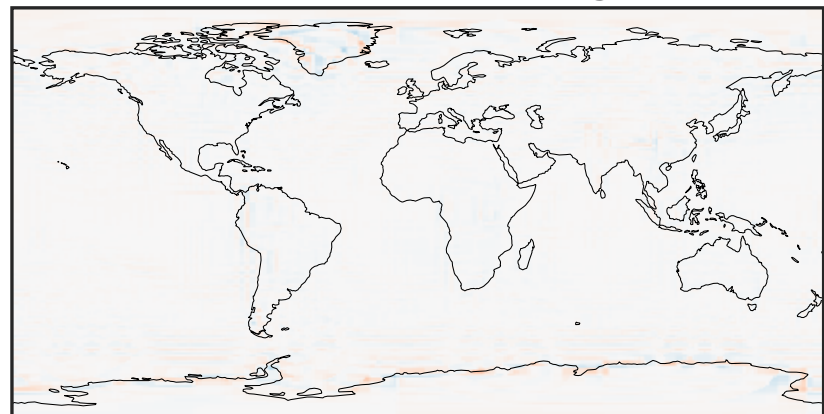
-2 0 2  
s-1 1e-6

Ratio (1x1.25)  
Dev/Ref, Dynamic Range



0.8188 0.9094 1.0000 1.1106 1.2213  
unitless

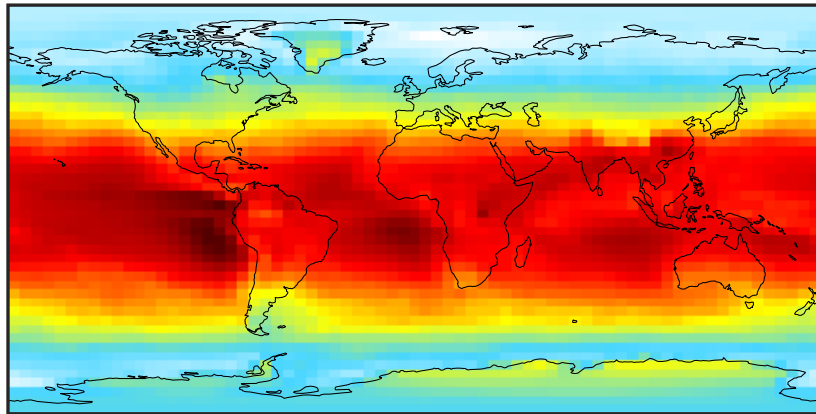
Ratio (1x1.25)  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

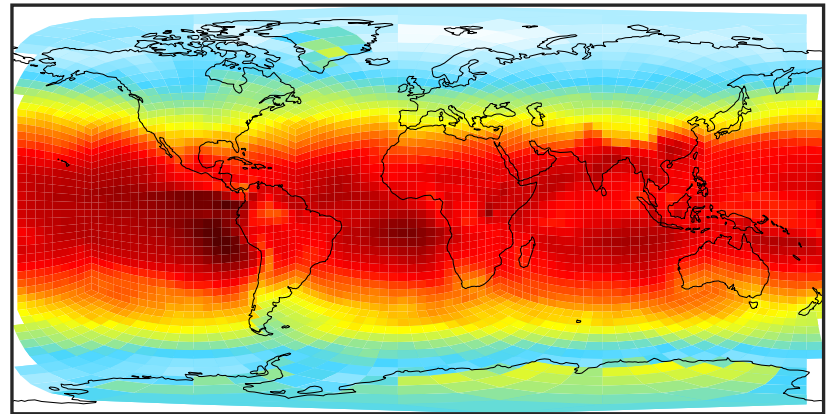
# Jval\_MCRHN (AnnualMean)

GCC\_14.2.0 (Ref)  
4.0x5.0



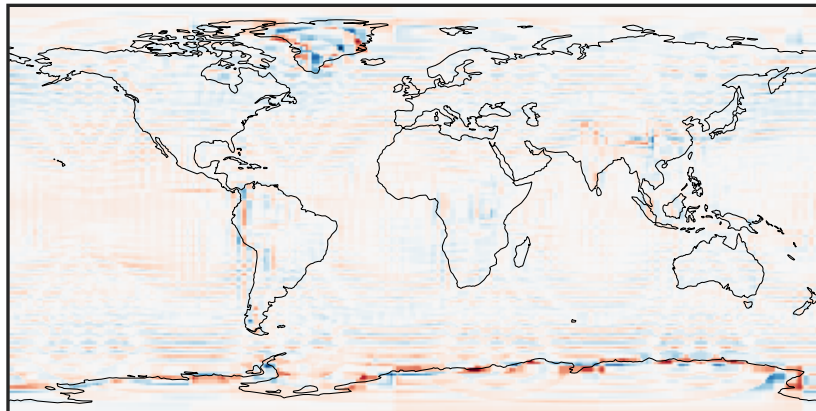
0.00012 0.00016 0.00020  
s-1

GCHP\_14.2.0 (Dev)  
c24



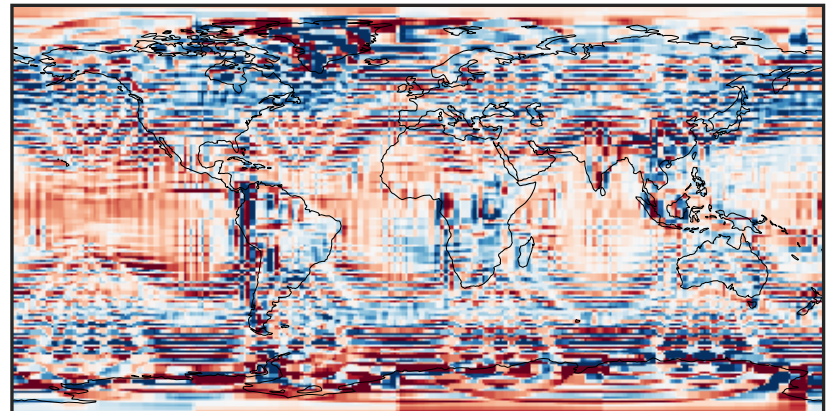
0.00012 0.00016 0.00020  
s-1

Difference (1x1.25)  
Dev - Ref, Dynamic Range



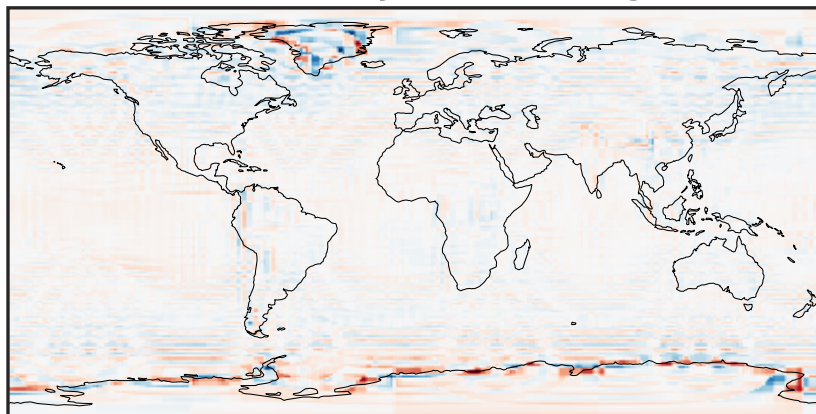
-1.5 0.0 1.5  
s-1 1e-5

Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



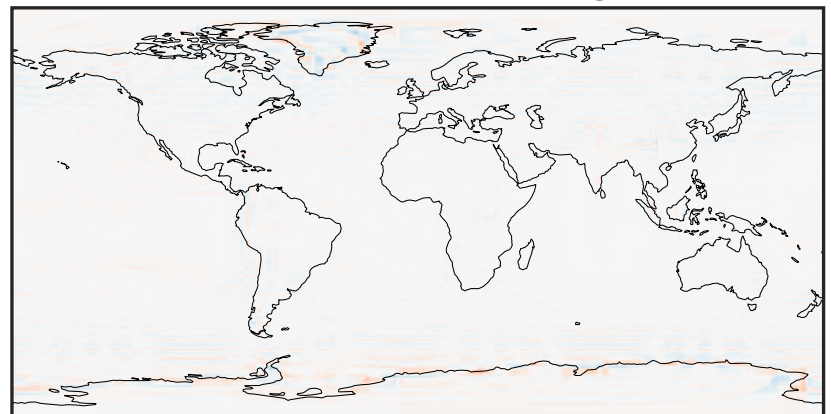
-2 0 2  
s-1 1e-6

Ratio (1x1.25)  
Dev/Ref, Dynamic Range



0.8157 0.9079 1.0000 1.1129 1.2259  
unitless

Ratio (1x1.25)  
Dev/Ref, Fixed Range

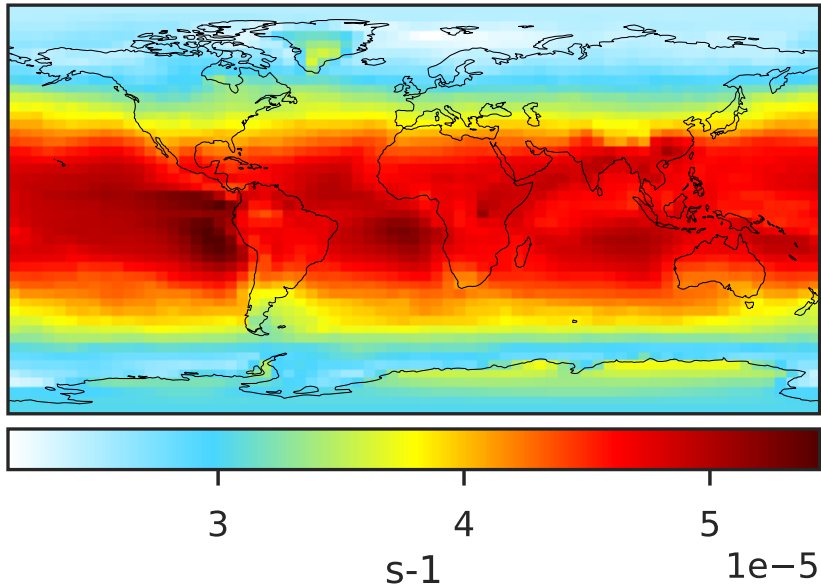


0.50 0.75 1.00 1.50 2.00  
unitless

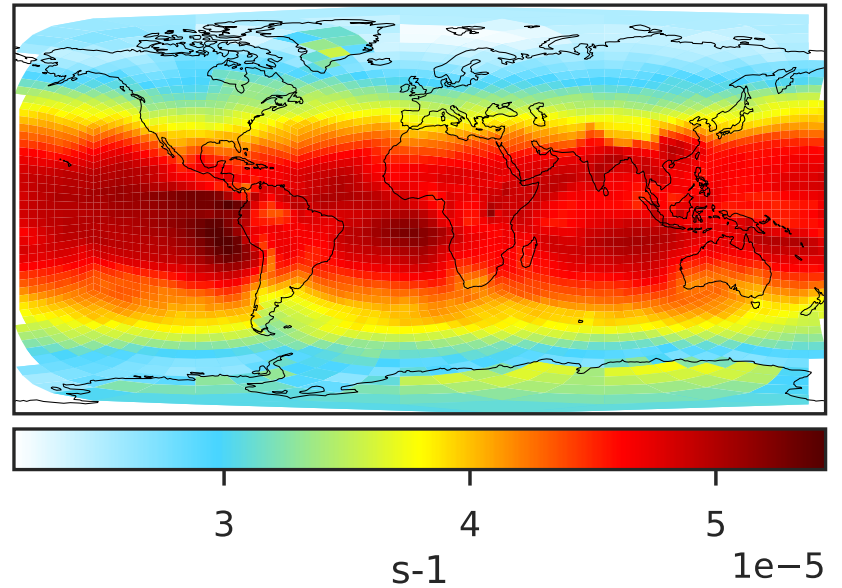


# Jval\_MCRHNB (AnnualMean)

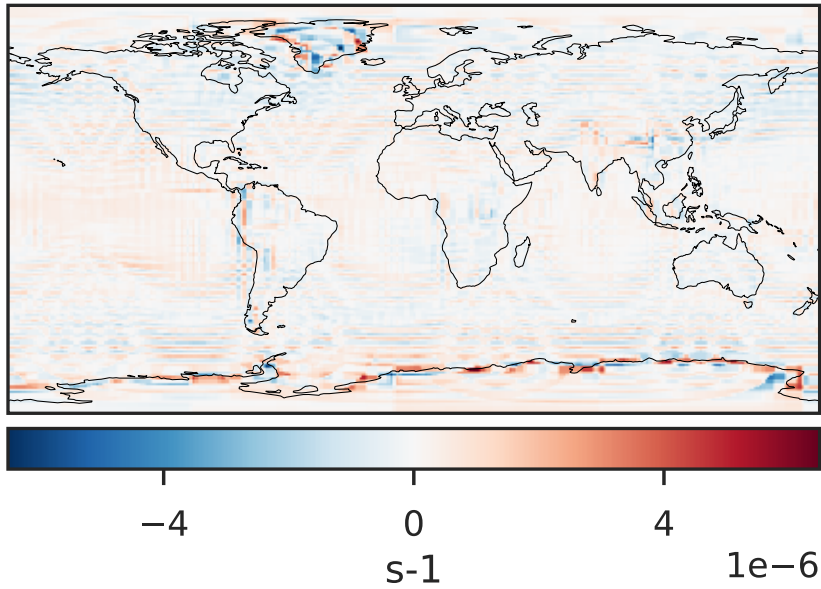
GCC\_14.2.0 (Ref)  
4.0x5.0



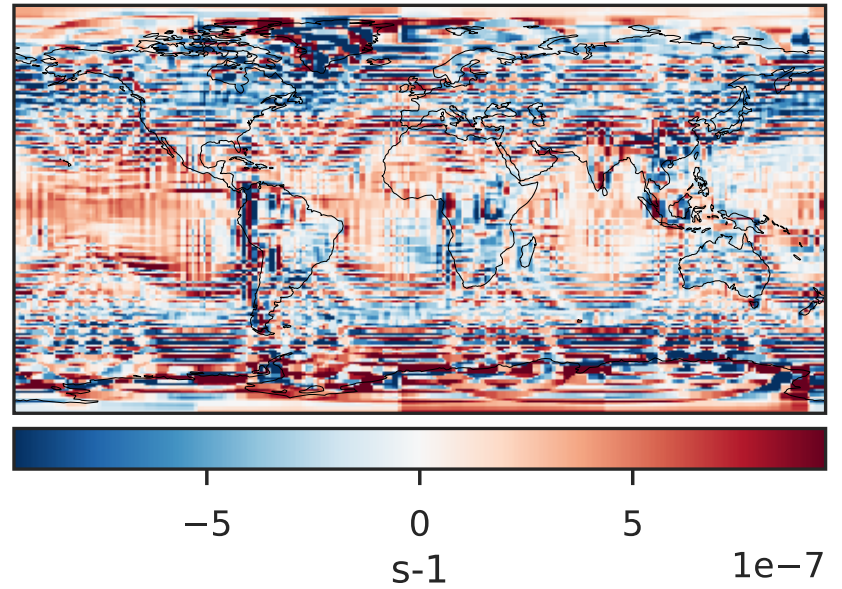
GCHP\_14.2.0 (Dev)  
c24



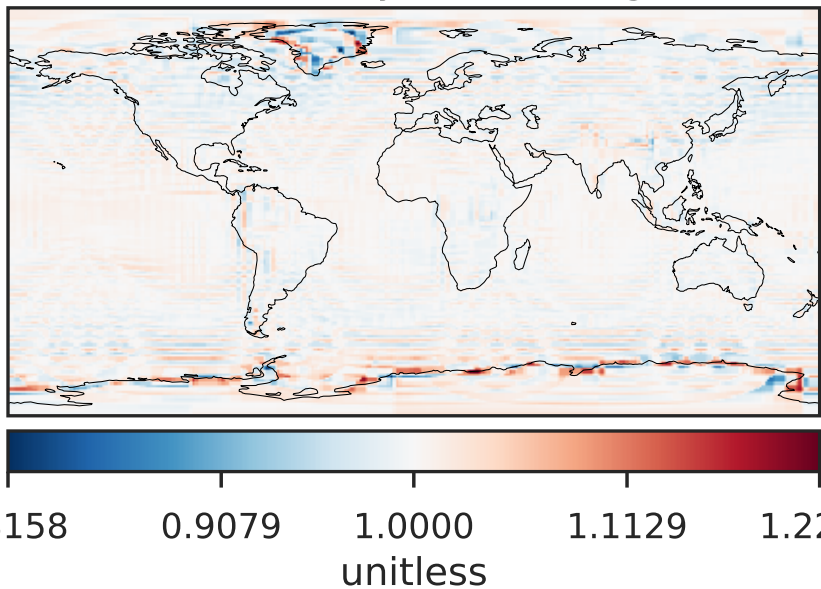
Difference (1x1.25)  
Dev - Ref, Dynamic Range



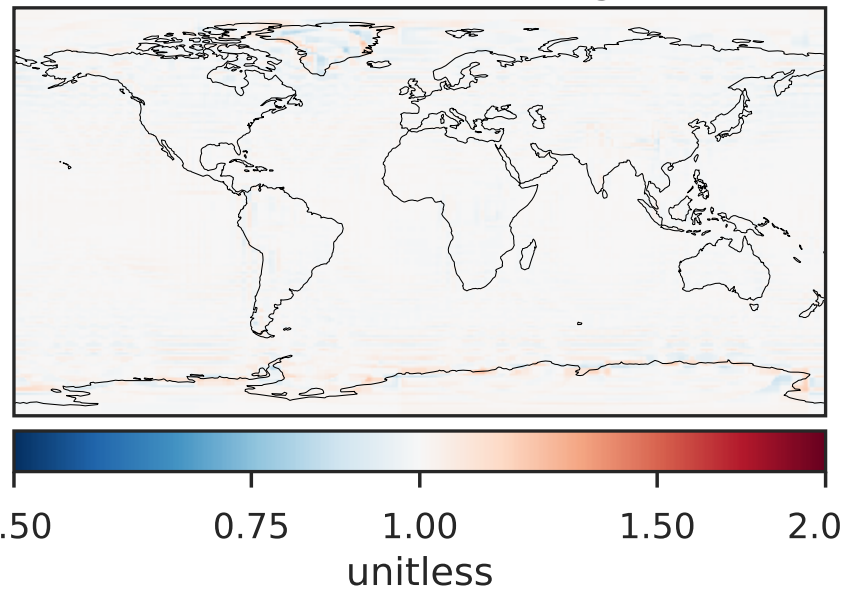
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)  
Dev/Ref, Dynamic Range

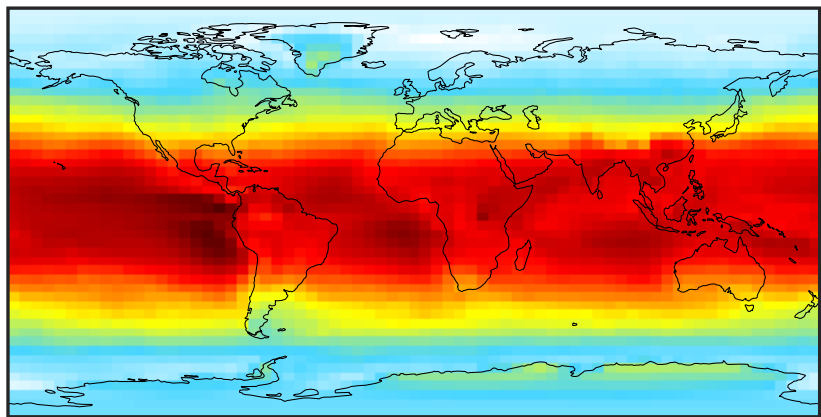


Ratio (1x1.25)  
Dev/Ref, Fixed Range



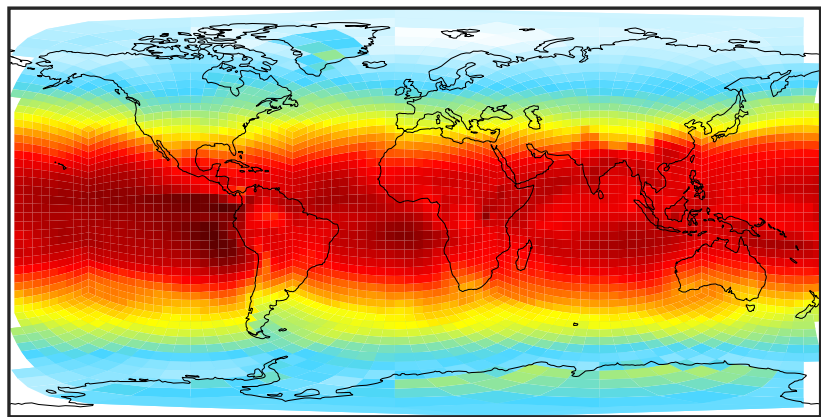
# Jval\_MCRHP (AnnualMean)

GCC\_14.2.0 (Ref)  
4.0x5.0



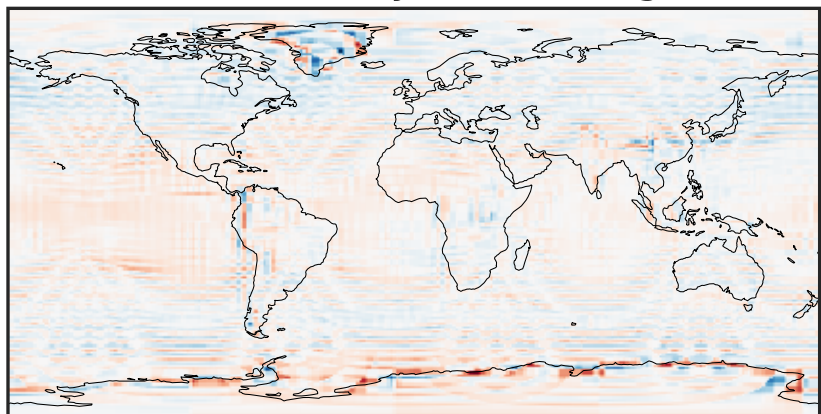
1.2 1.8 2.4 3.0  
s-1 1e-5

GCHP\_14.2.0 (Dev)  
c24



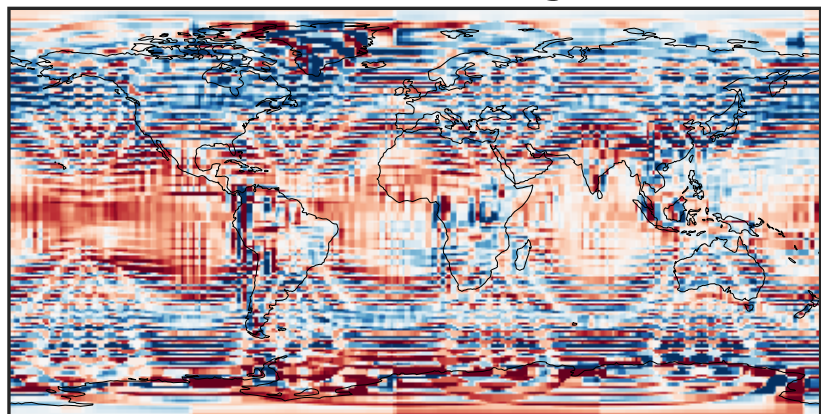
1.2 1.8 2.4 3.0  
s-1 1e-5

Difference (1x1.25)  
Dev - Ref, Dynamic Range



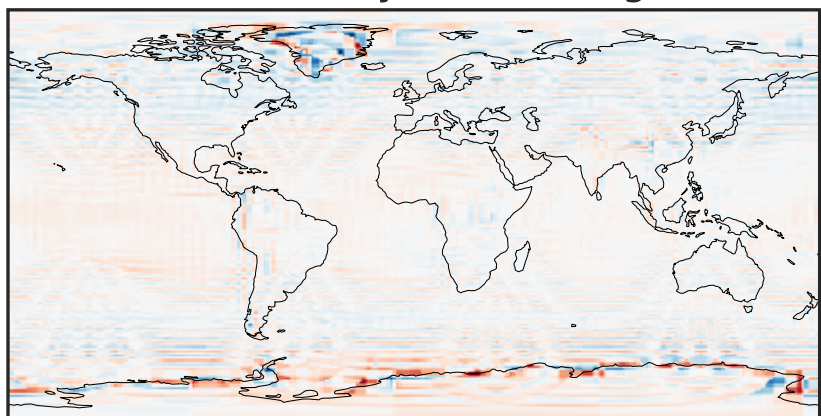
-2 0 2  
s-1 1e-6

Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



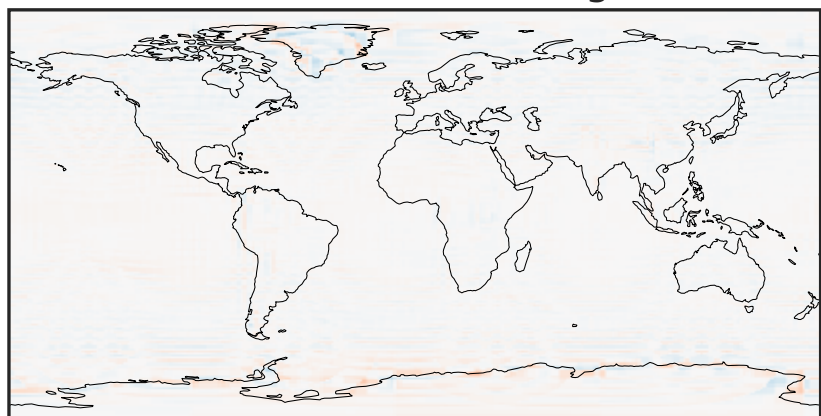
-4 0 4  
s-1 1e-7

Ratio (1x1.25)  
Dev/Ref, Dynamic Range



0.8155 0.9078 1.0000 1.1131 1.2262  
unitless

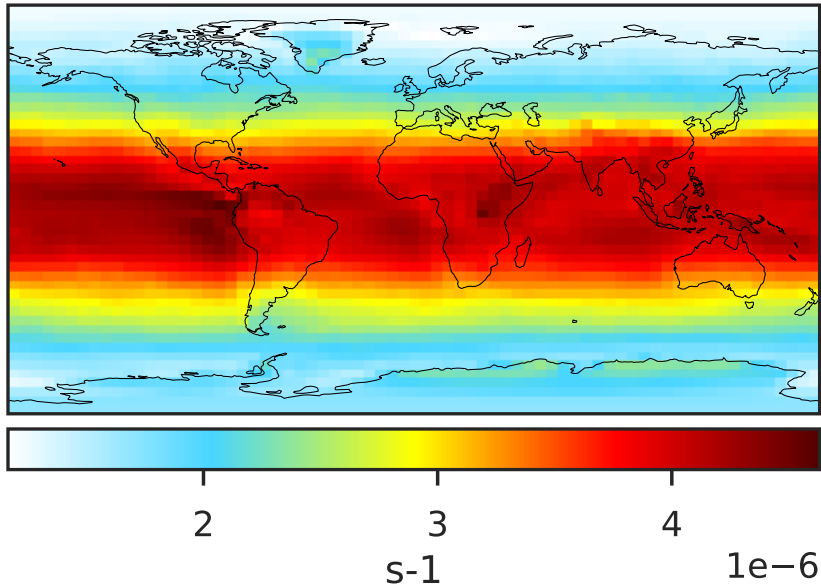
Ratio (1x1.25)  
Dev/Ref, Fixed Range



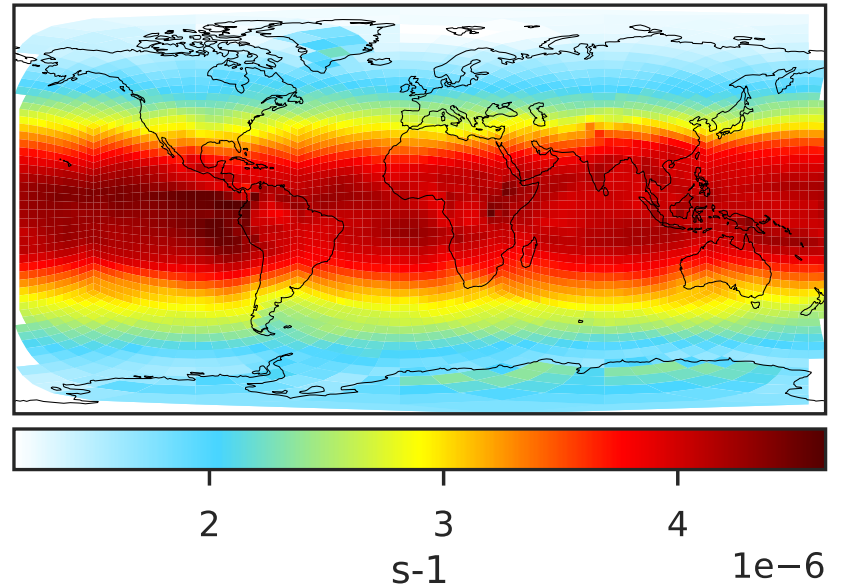
0.50 0.75 1.00 1.50 2.00  
unitless

# Jval\_MEK (AnnualMean)

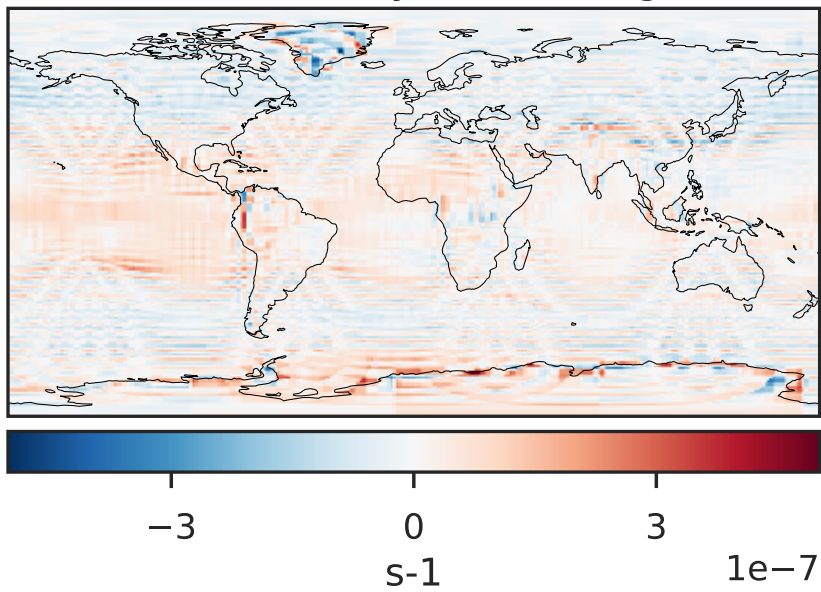
GCC\_14.2.0 (Ref)  
4.0x5.0



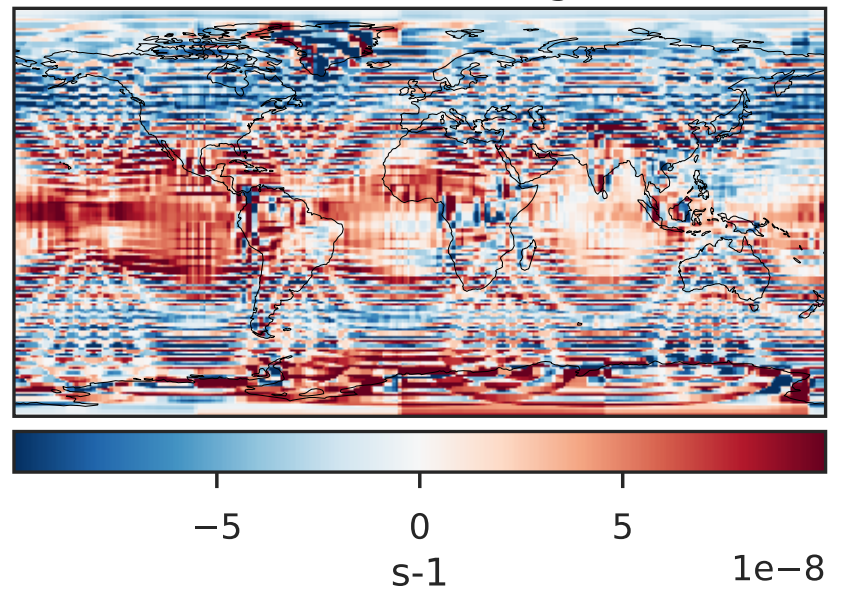
GCHP\_14.2.0 (Dev)  
c24



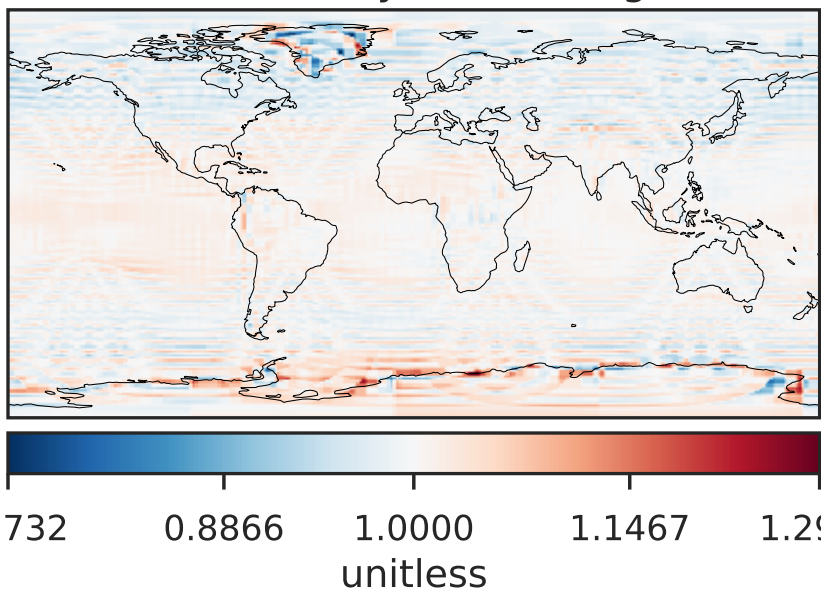
Difference (1x1.25)  
Dev - Ref, Dynamic Range



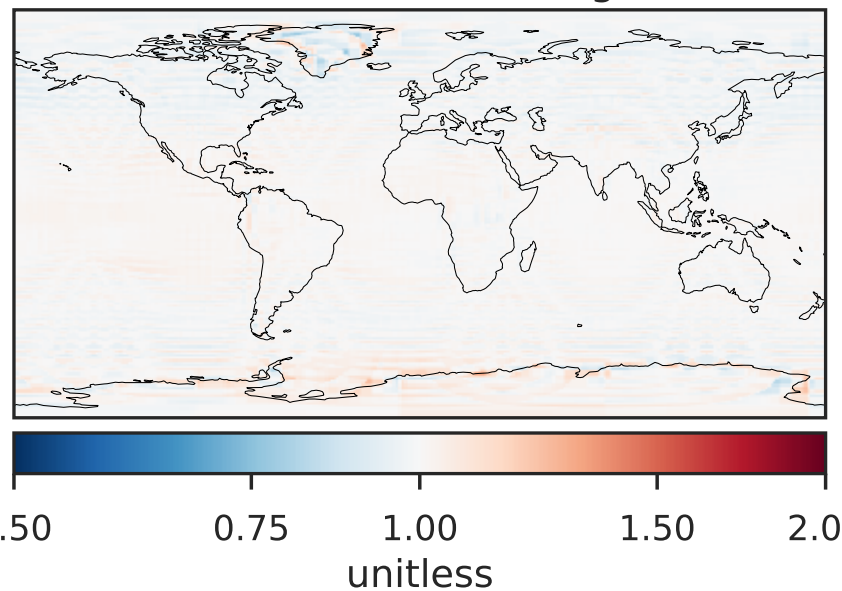
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)  
Dev/Ref, Dynamic Range

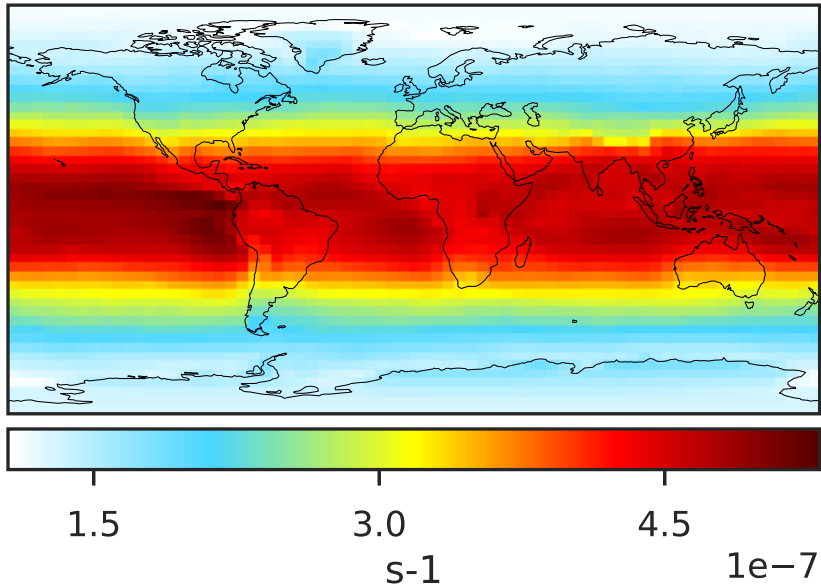


Ratio (1x1.25)  
Dev/Ref, Fixed Range

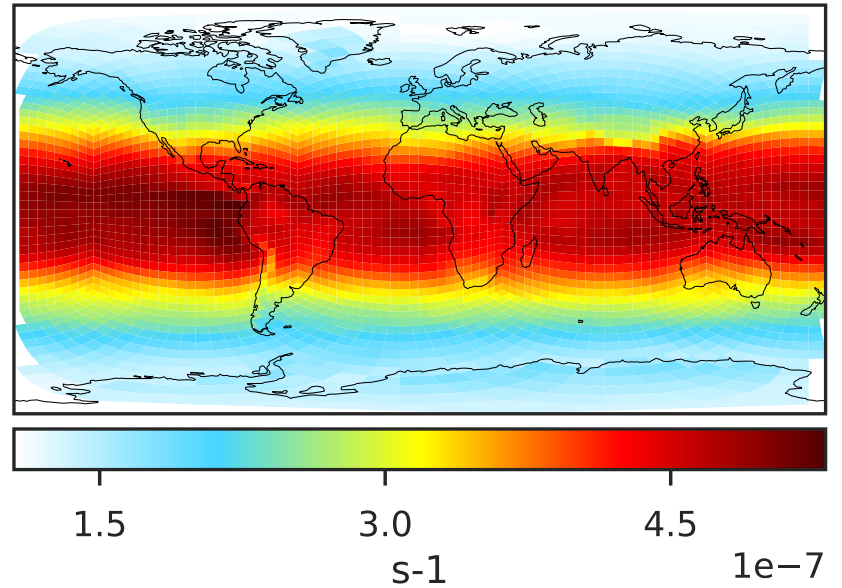


# Jval\_MENO3 (AnnualMean)

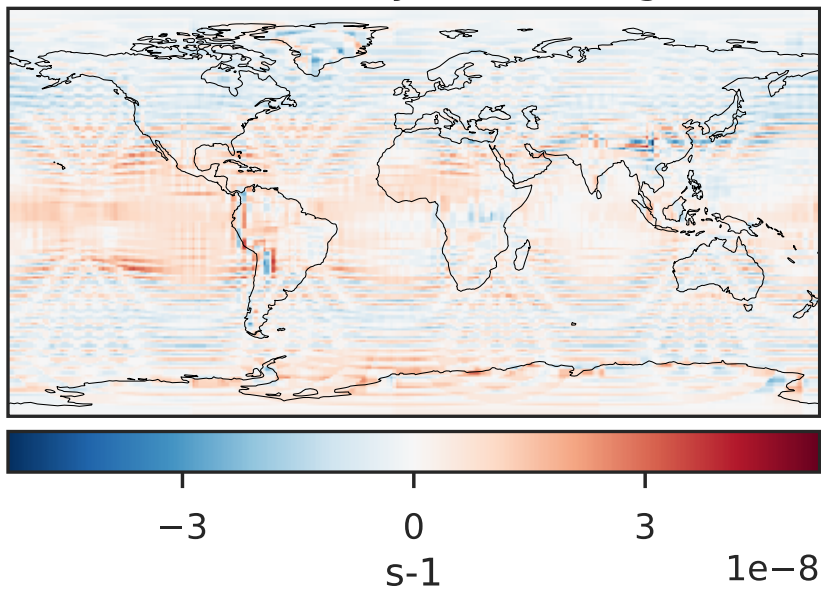
GCC\_14.2.0 (Ref)  
4.0x5.0



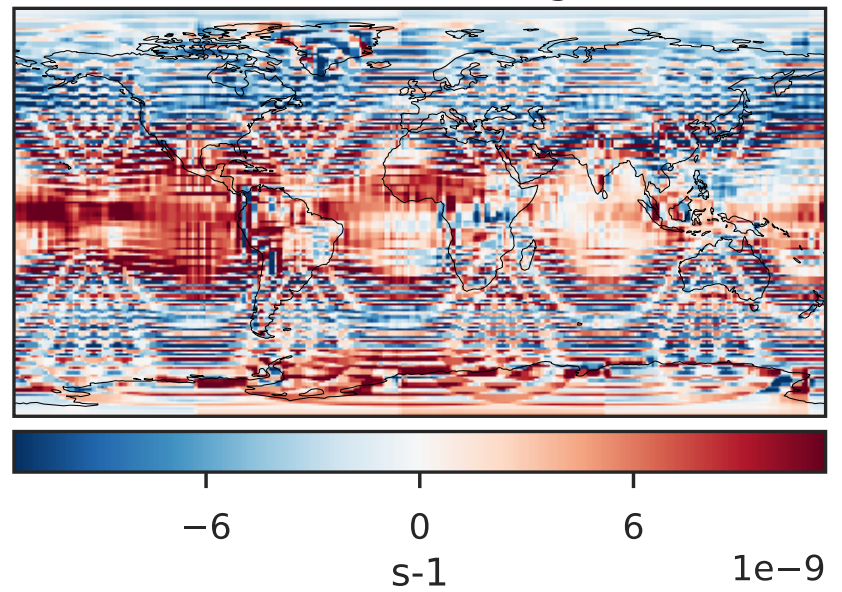
GCHP\_14.2.0 (Dev)  
c24



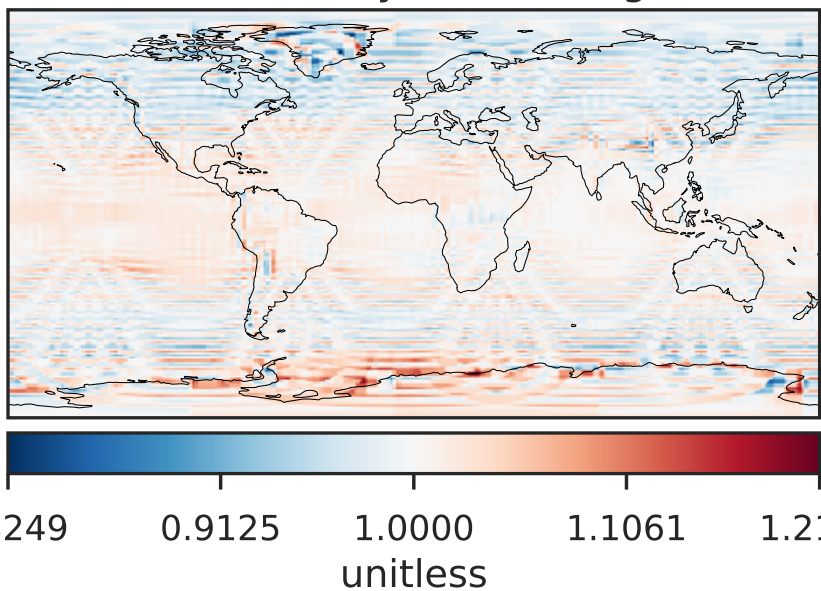
Difference (1x1.25)  
Dev - Ref, Dynamic Range



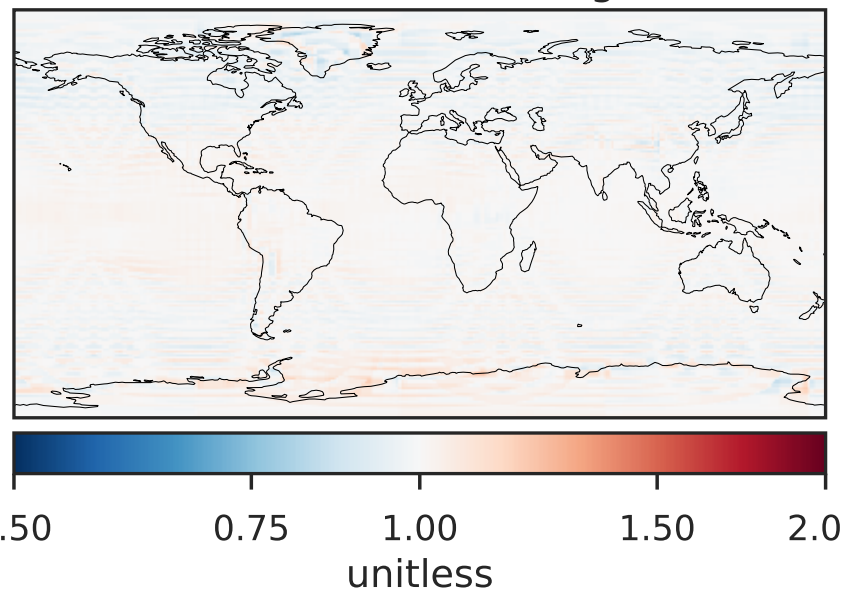
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)  
Dev/Ref, Dynamic Range

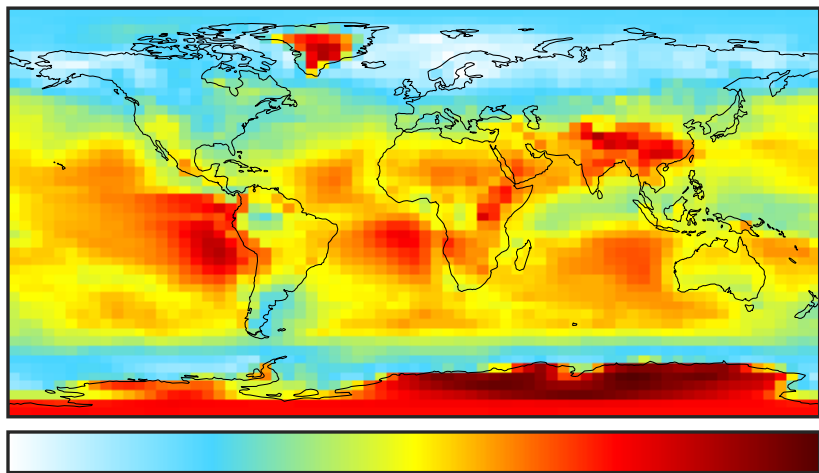


Ratio (1x1.25)  
Dev/Ref, Fixed Range



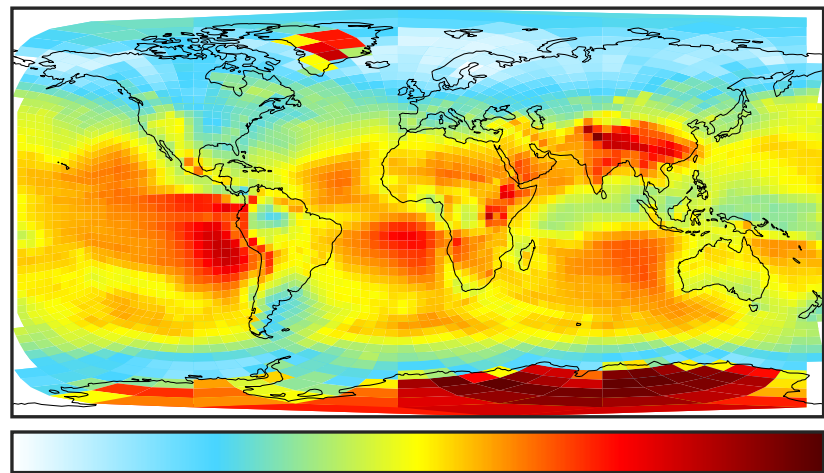
# Jval\_MGLY (AnnualMean)

GCC\_14.2.0 (Ref)  
4.0x5.0



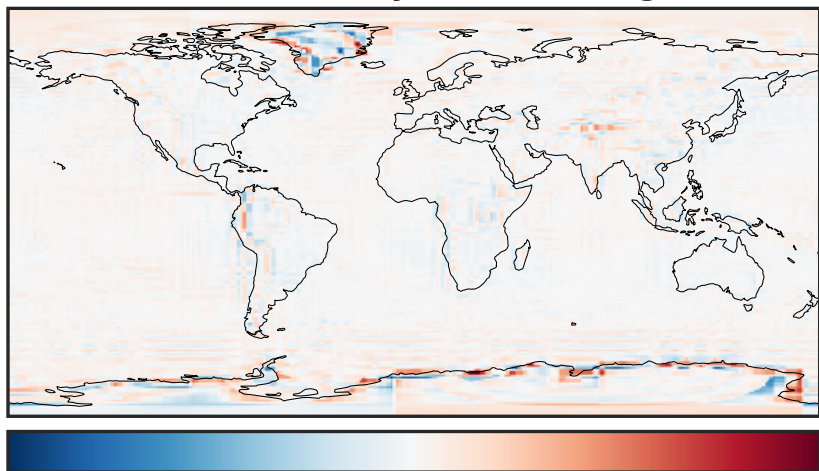
0.000100 0.000125 0.000150 0.000175  
s-1

GCHP\_14.2.0 (Dev)  
c24



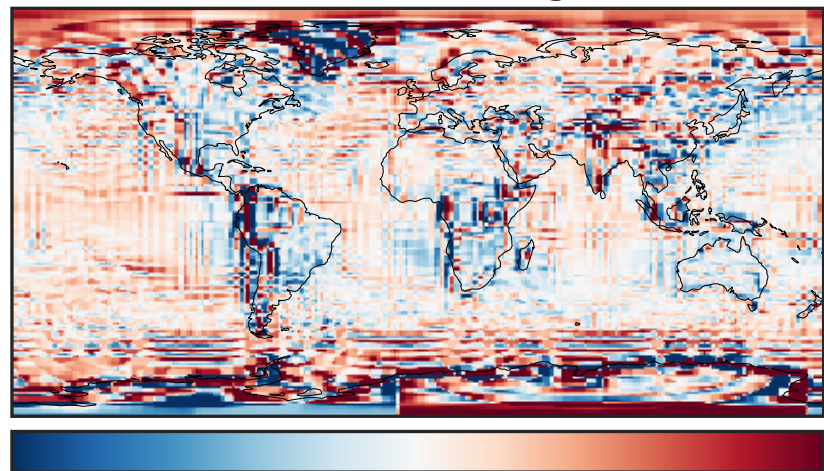
0.000100 0.000125 0.000150 0.000175  
s-1

Difference (1x1.25)  
Dev - Ref, Dynamic Range



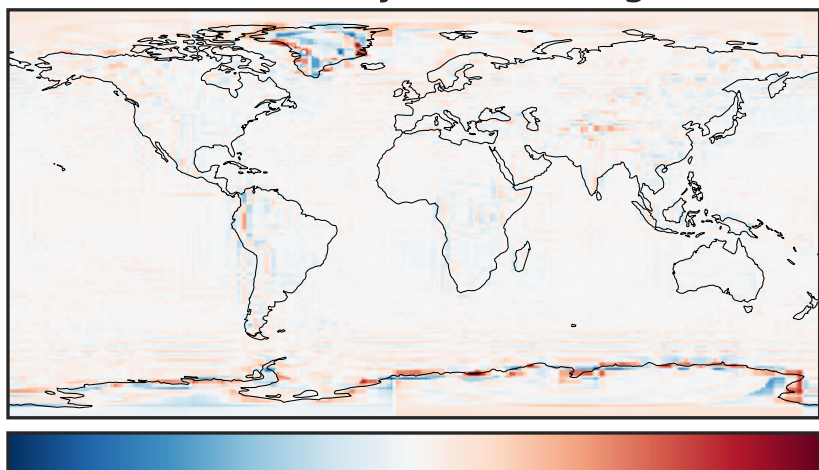
-2 0 2  
s-1 1e-5

Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



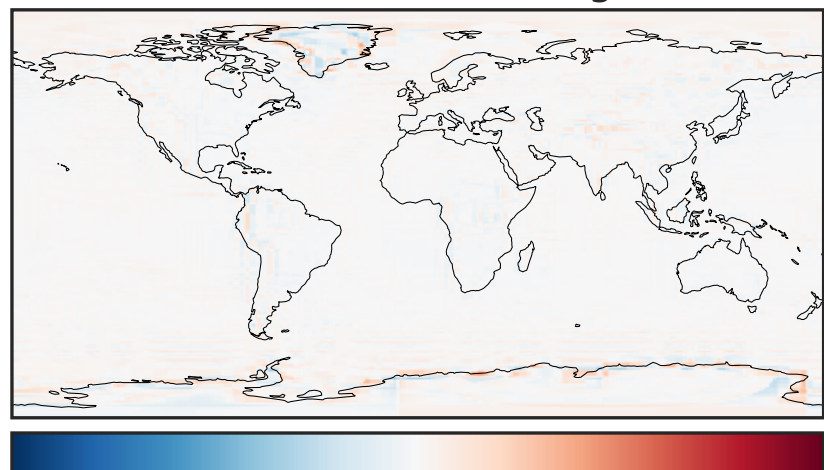
-2.5 0.0 2.5  
s-1 1e-6

Ratio (1x1.25)  
Dev/Ref, Dynamic Range



0.7527 0.8763 1.0000 1.1643 1.3286  
unitless

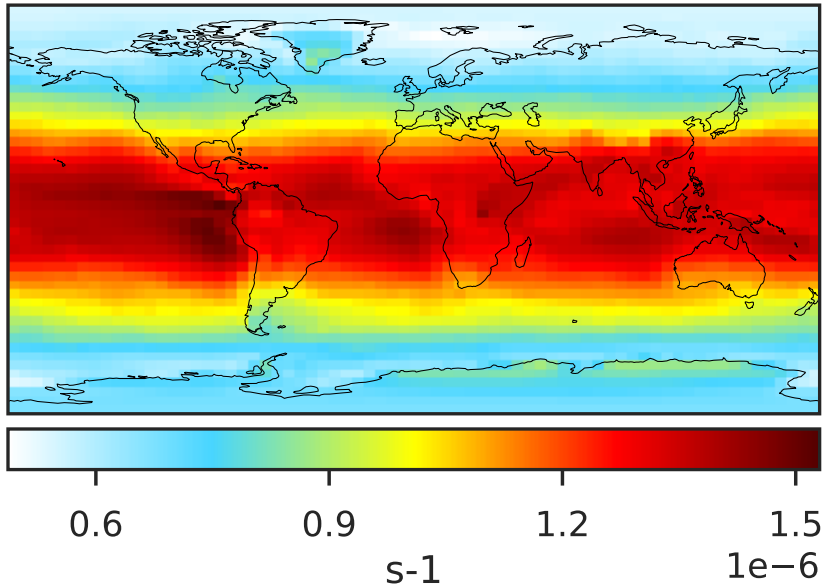
Ratio (1x1.25)  
Dev/Ref, Fixed Range



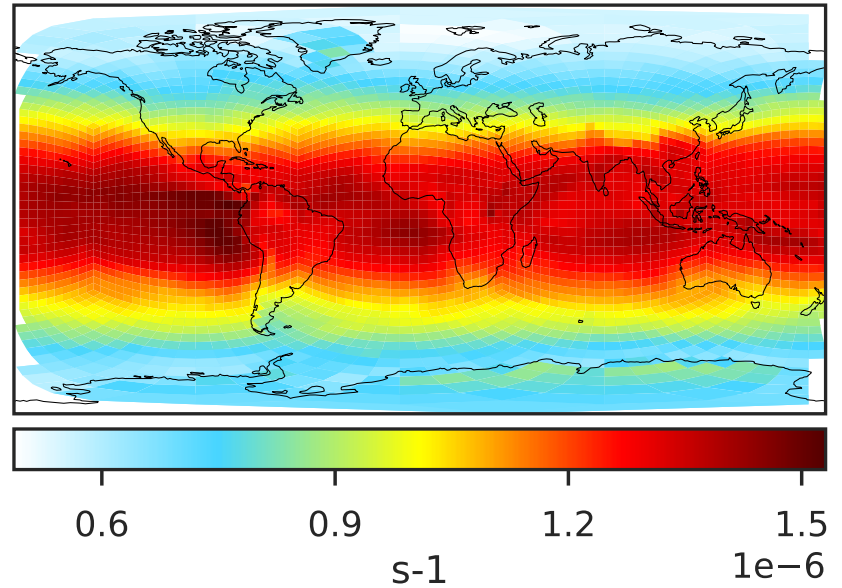
0.50 0.75 1.00 1.50 2.00  
unitless

# Jval\_MONITS (AnnualMean)

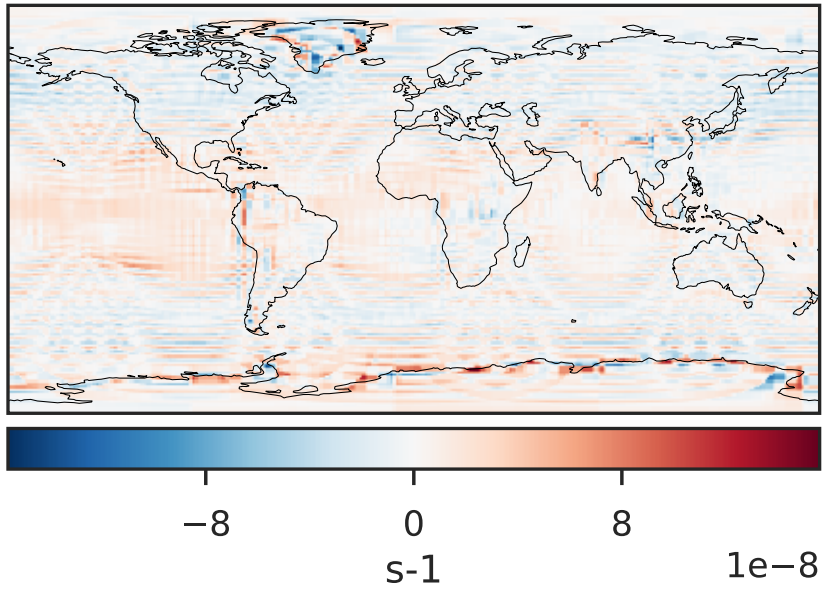
GCC\_14.2.0 (Ref)  
4.0x5.0



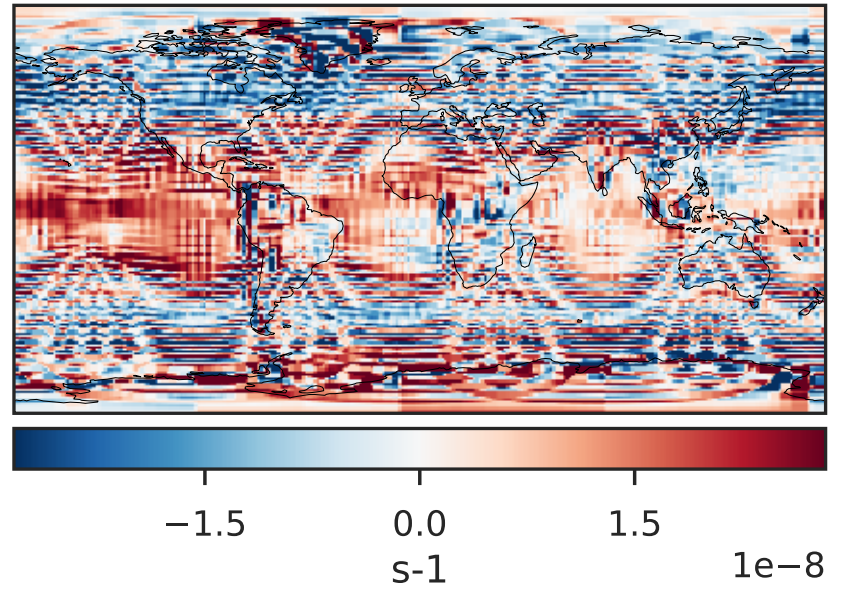
GCHP\_14.2.0 (Dev)  
c24



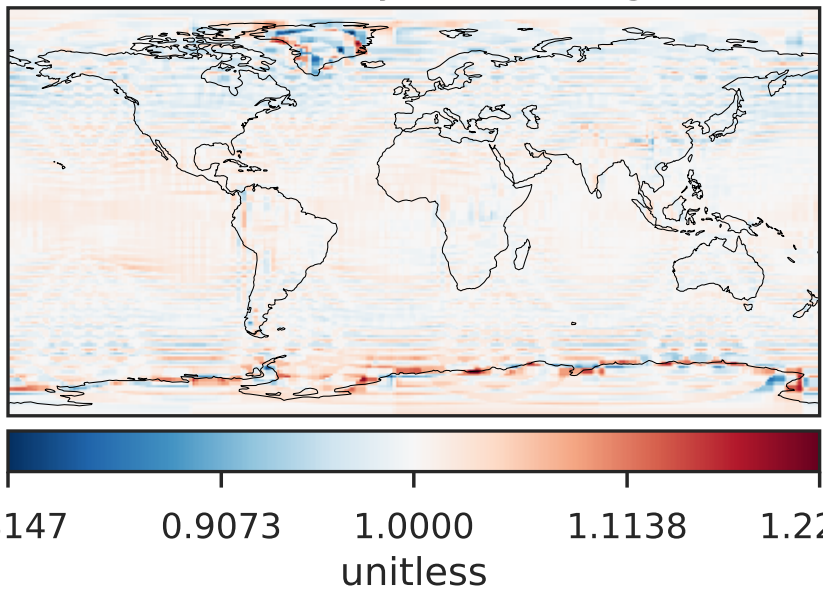
Difference (1x1.25)  
Dev - Ref, Dynamic Range



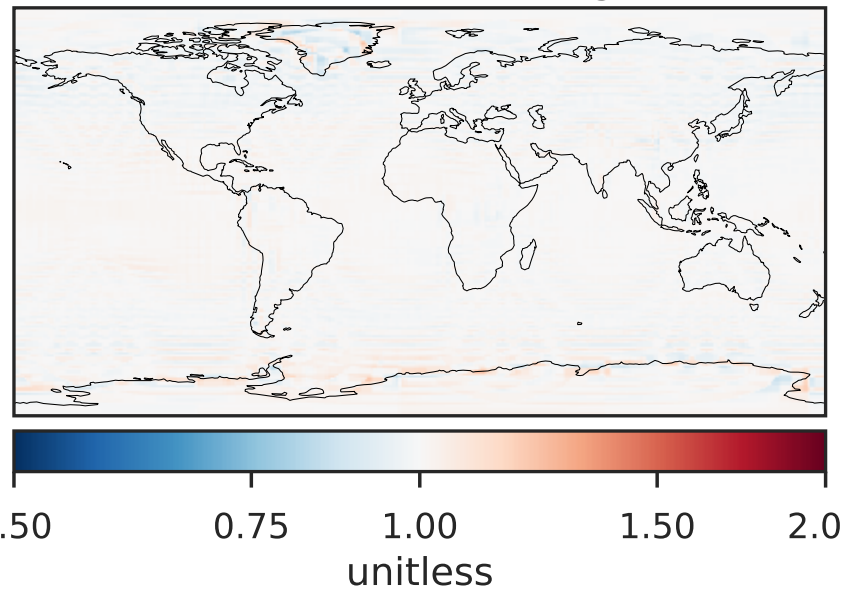
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)  
Dev/Ref, Dynamic Range

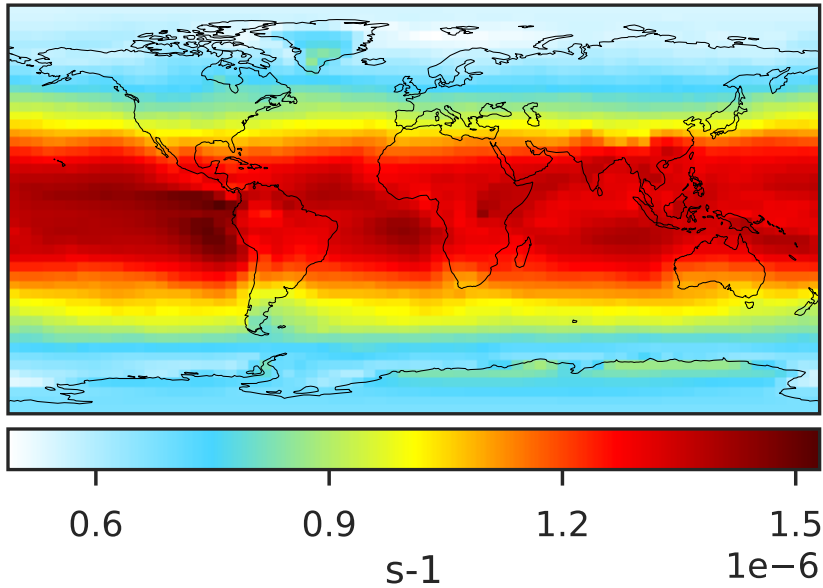


Ratio (1x1.25)  
Dev/Ref, Fixed Range

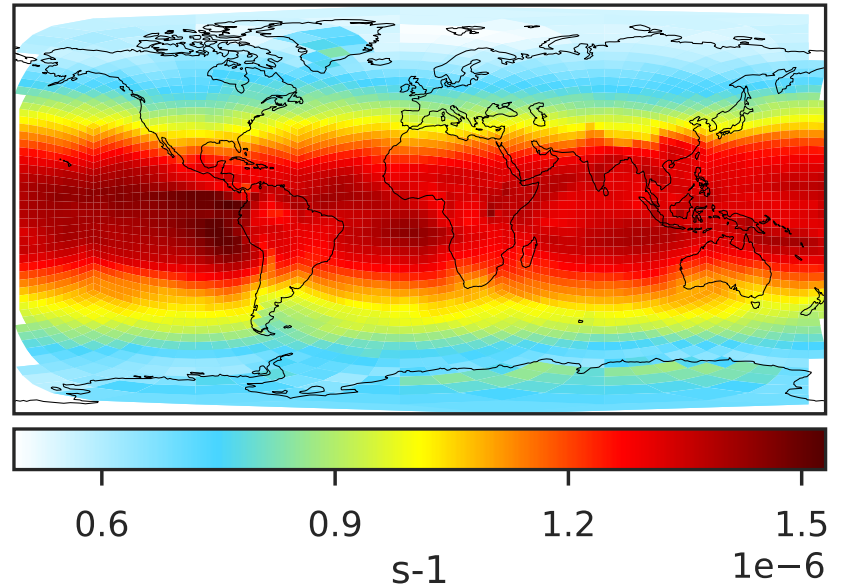


# Jval\_MONITU (AnnualMean)

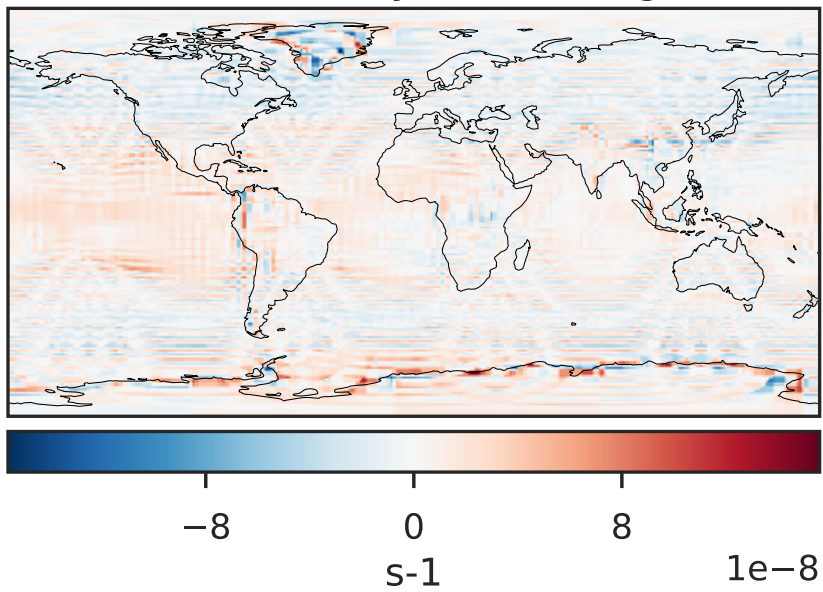
GCC\_14.2.0 (Ref)  
4.0x5.0



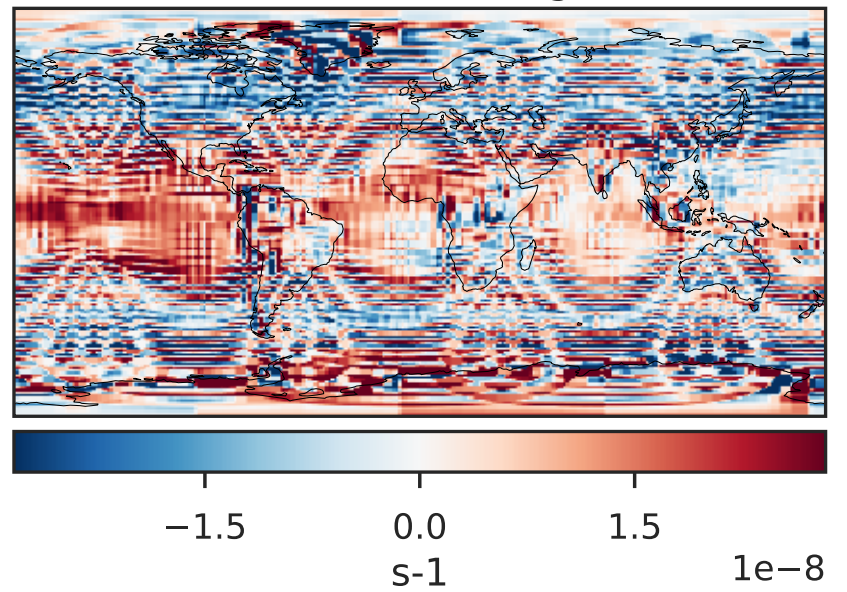
GCHP\_14.2.0 (Dev)  
c24



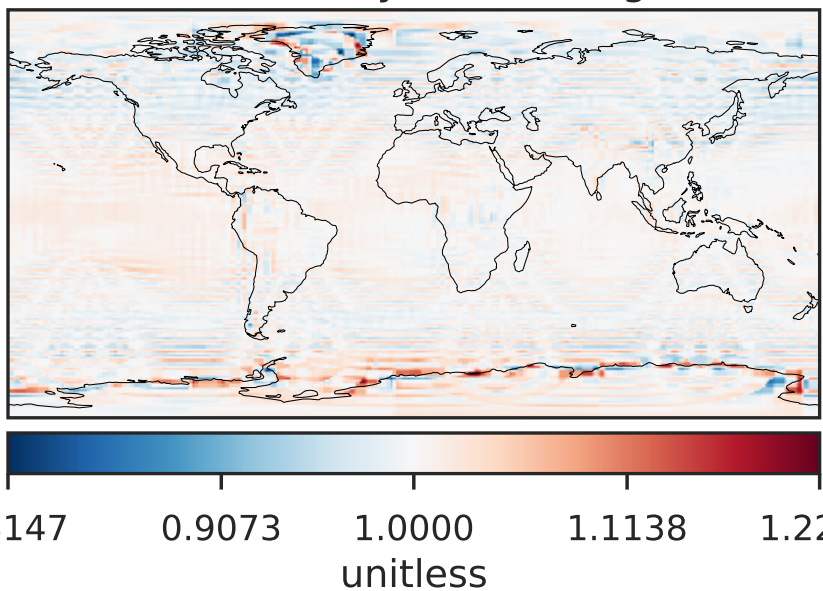
Difference (1x1.25)  
Dev - Ref, Dynamic Range



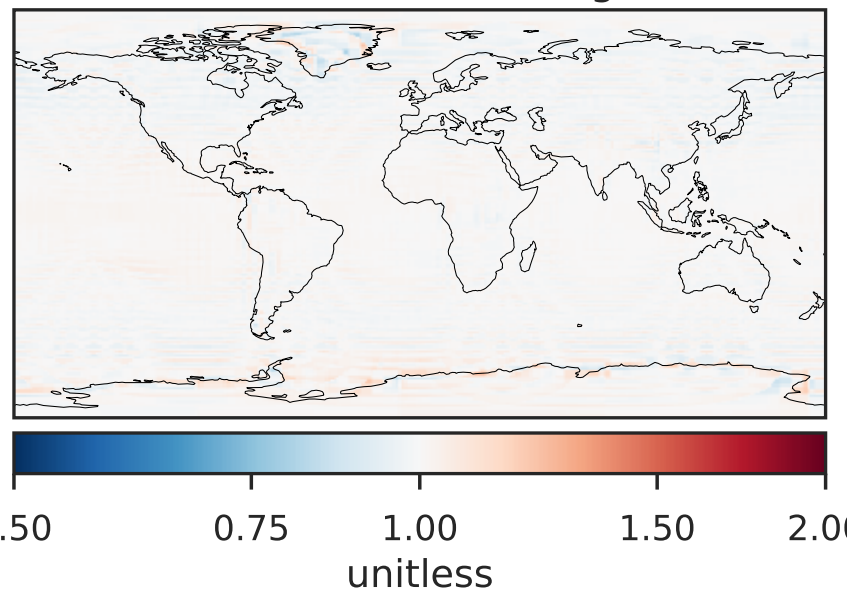
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)  
Dev/Ref, Dynamic Range

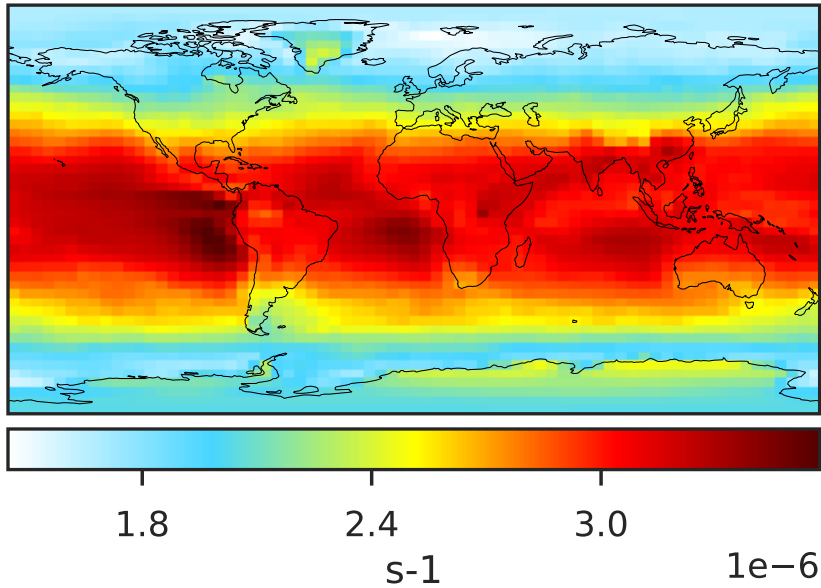


Ratio (1x1.25)  
Dev/Ref, Fixed Range

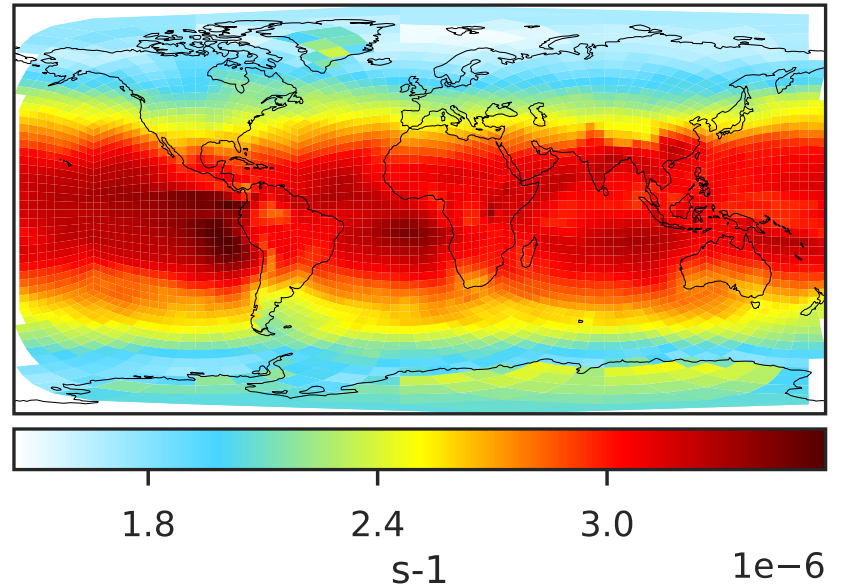


# Jval\_MP (AnnualMean)

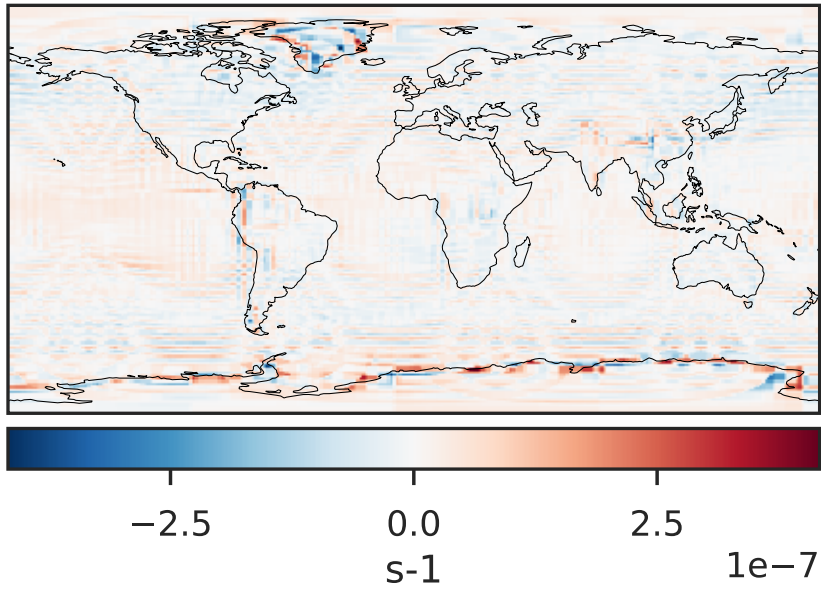
GCC\_14.2.0 (Ref)  
4.0x5.0



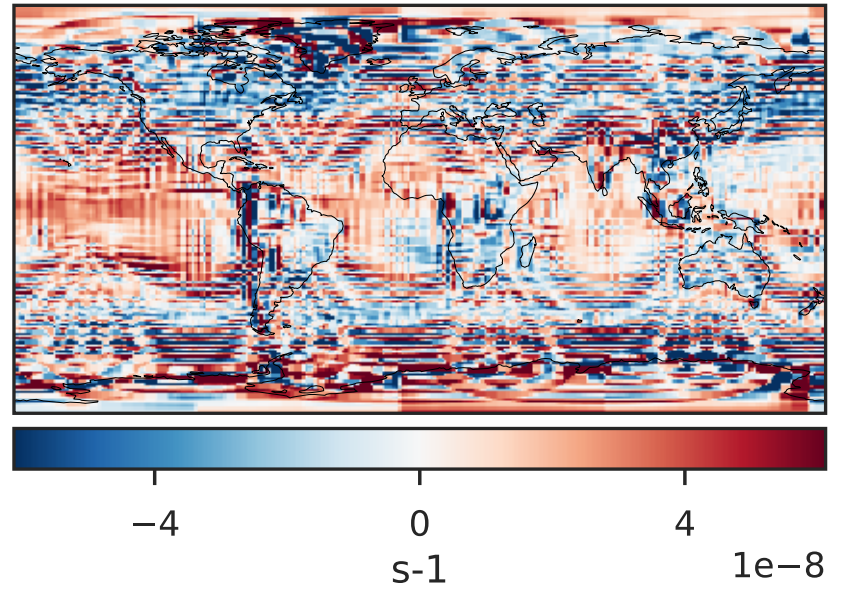
GCHP\_14.2.0 (Dev)  
c24



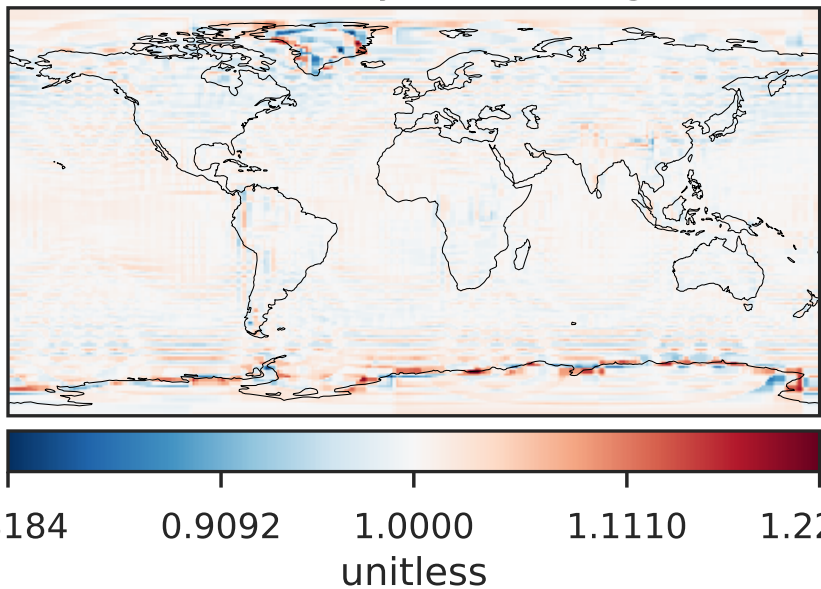
Difference (1x1.25)  
Dev - Ref, Dynamic Range



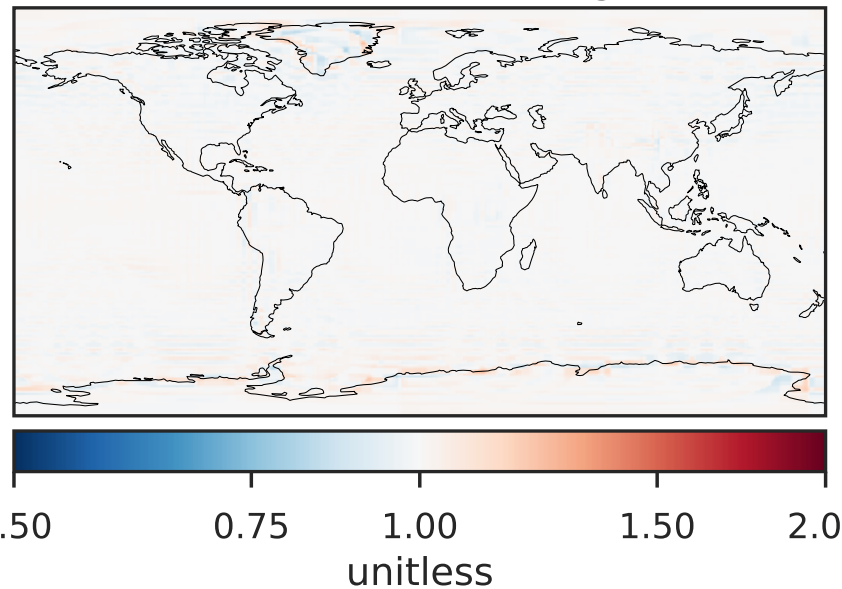
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)  
Dev/Ref, Dynamic Range



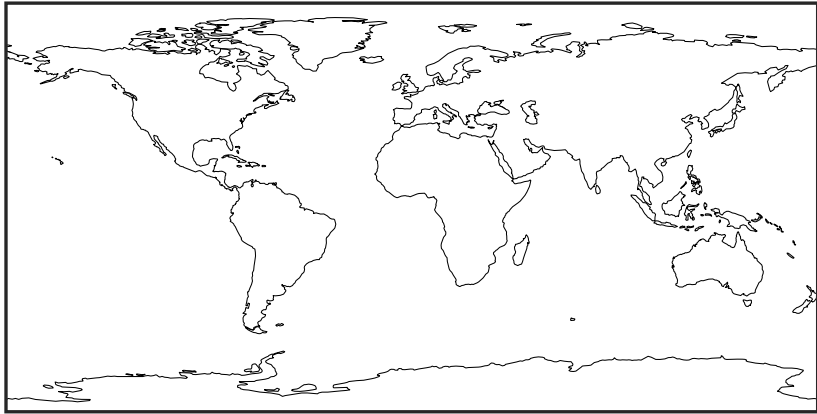
Ratio (1x1.25)  
Dev/Ref, Fixed Range





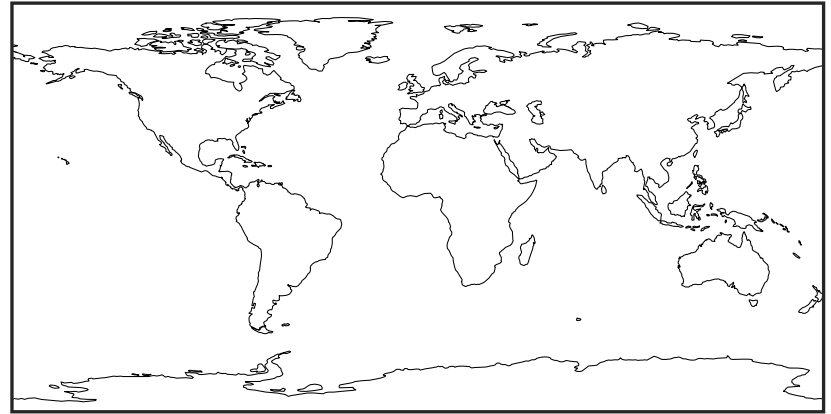
# Jval\_MPAN (AnnualMean)

GCC\_14.2.0 (Ref)  
4.0x5.0



Zero throughout domain  
s-1

GCHP\_14.2.0 (Dev)  
c24



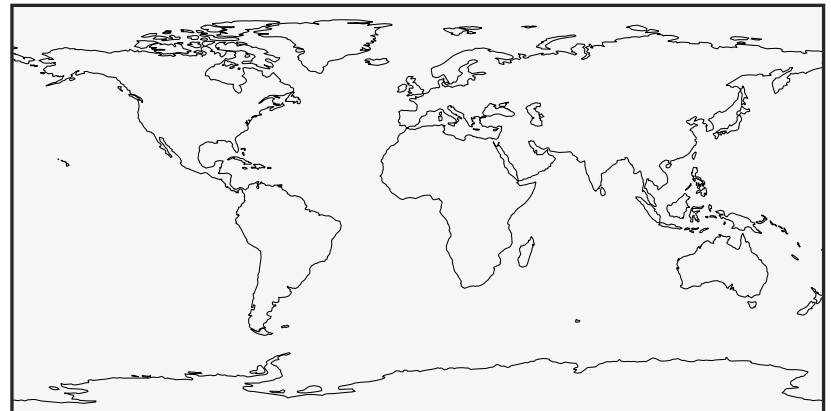
Zero throughout domain  
s-1

Difference (1x1.25)  
Dev - Ref, Dynamic Range



Zero throughout domain  
s-1

Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Zero throughout domain  
s-1

Ratio (1x1.25)  
Dev/Ref, Dynamic Range



Undefined throughout domain  
unitless

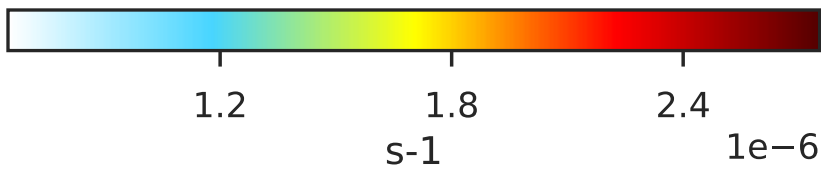
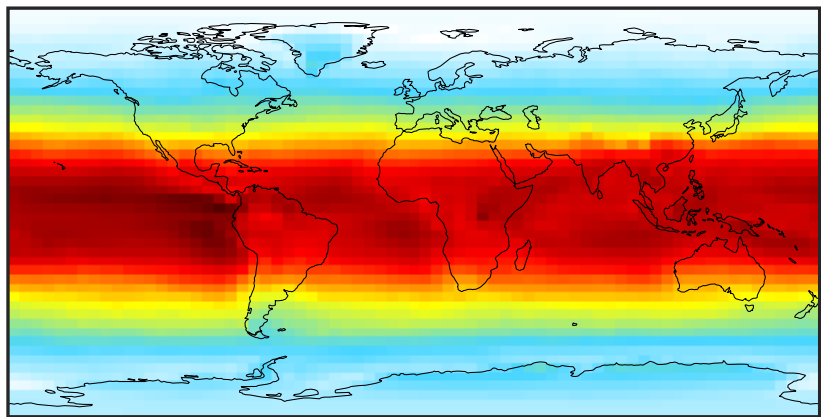
Ratio (1x1.25)  
Dev/Ref, Fixed Range



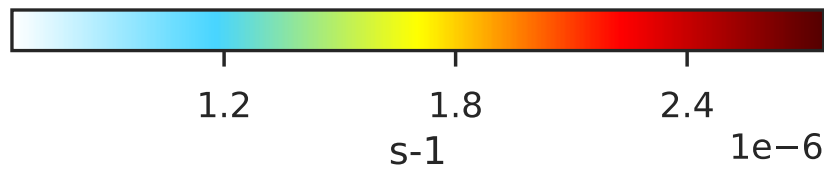
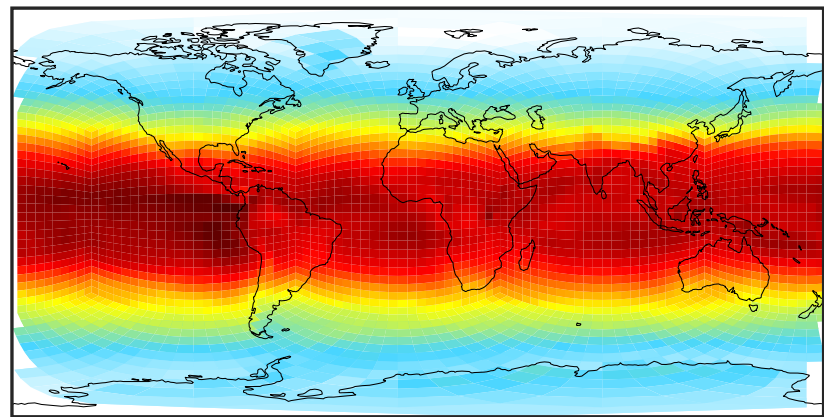
Undefined throughout domain  
unitless

# Jval\_MPN (AnnualMean)

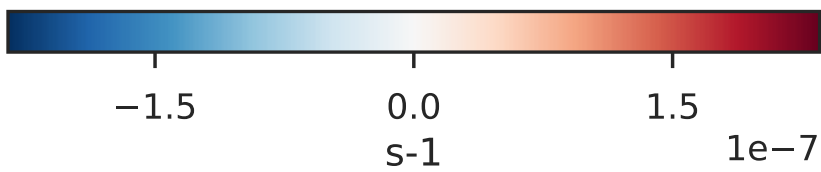
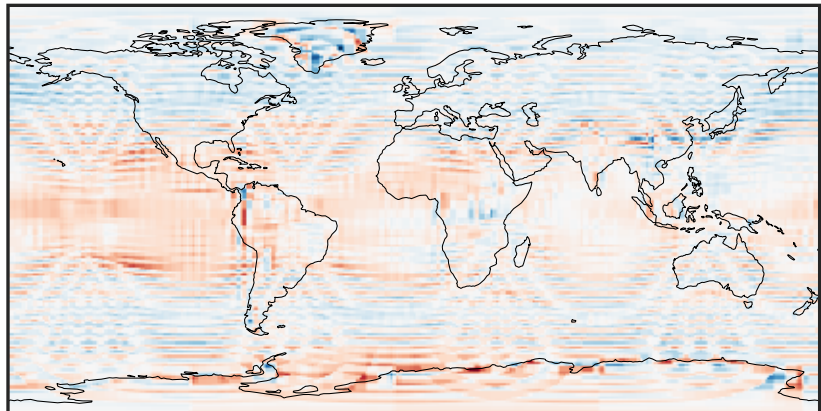
GCC\_14.2.0 (Ref)  
4.0x5.0



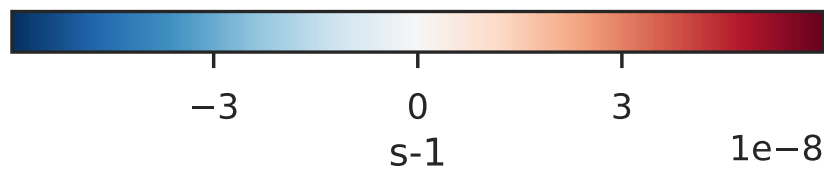
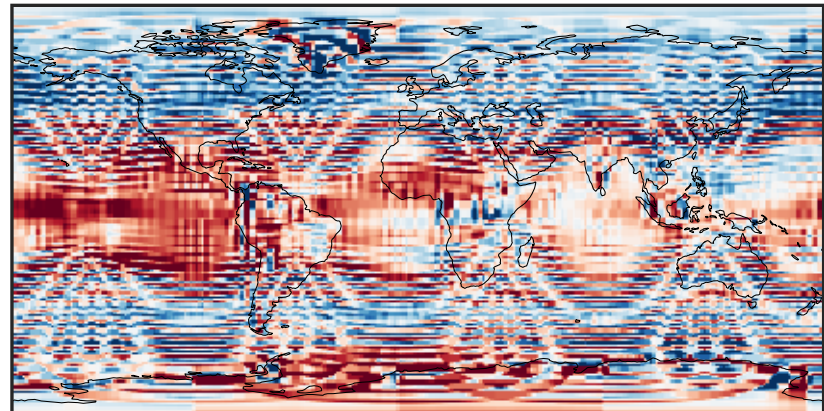
GCHP\_14.2.0 (Dev)  
c24



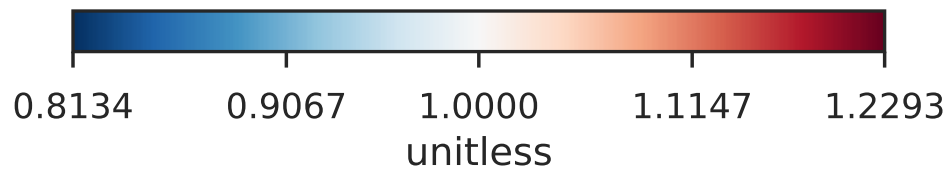
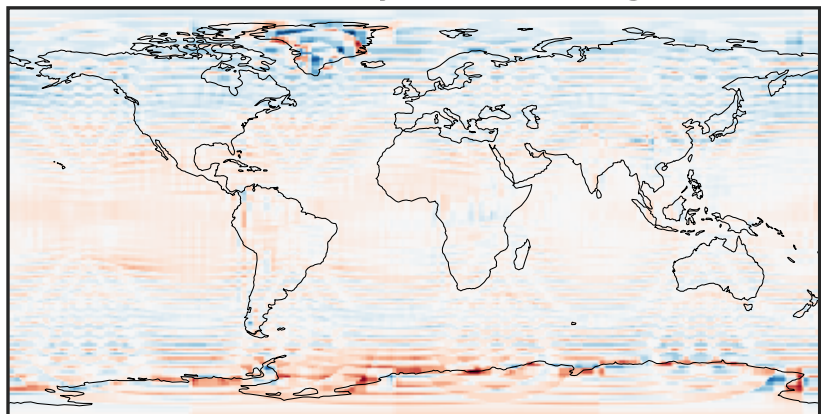
Difference (1x1.25)  
Dev - Ref, Dynamic Range



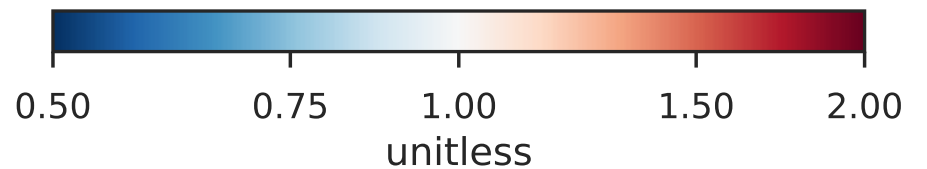
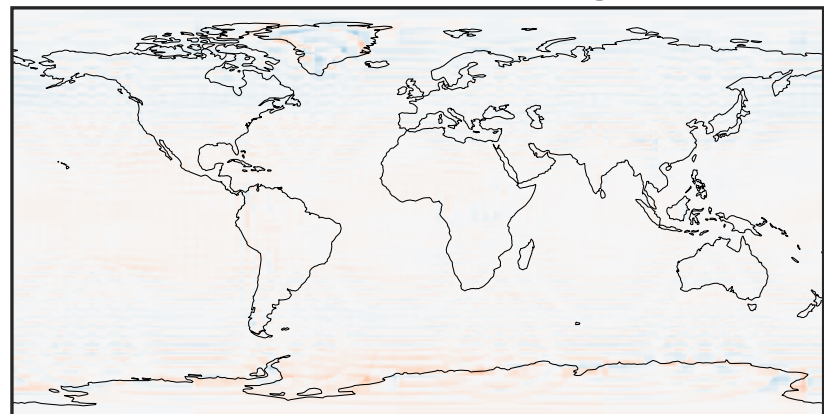
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)  
Dev/Ref, Dynamic Range

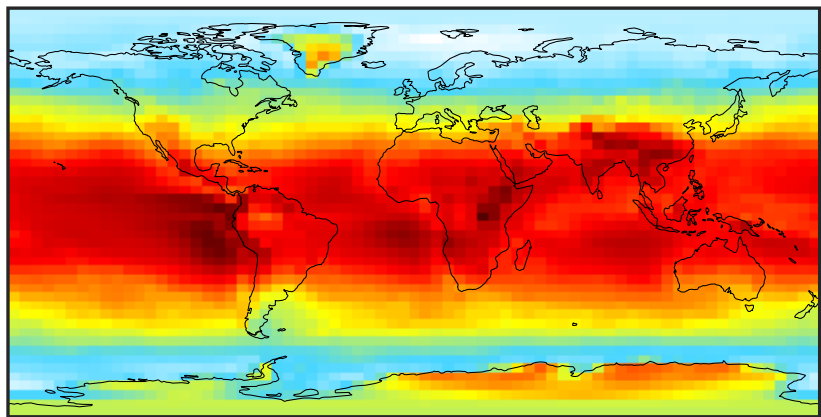


Ratio (1x1.25)  
Dev/Ref, Fixed Range



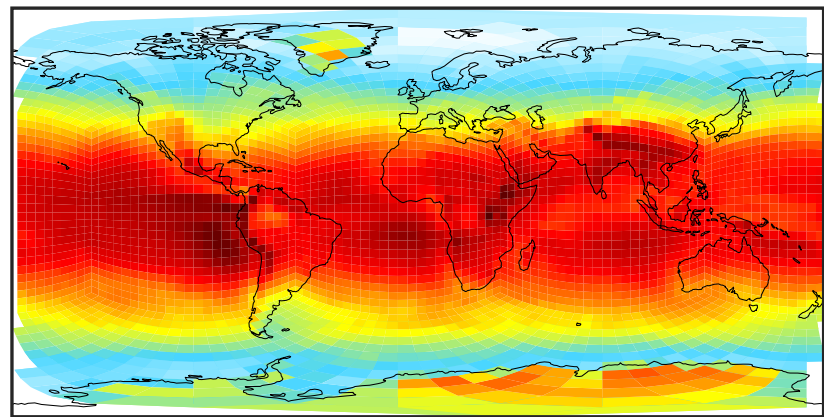
# Jval\_MVK (AnnualMean)

GCC\_14.2.0 (Ref)  
4.0x5.0



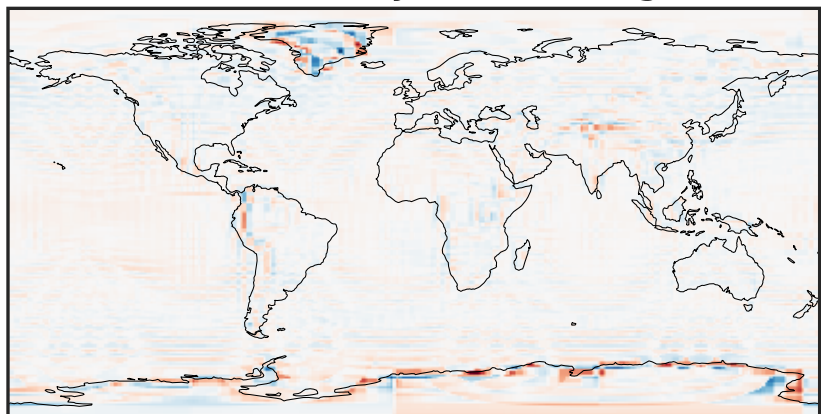
2.4 3.2 4.0  
s-1 1e-6

GCHP\_14.2.0 (Dev)  
c24



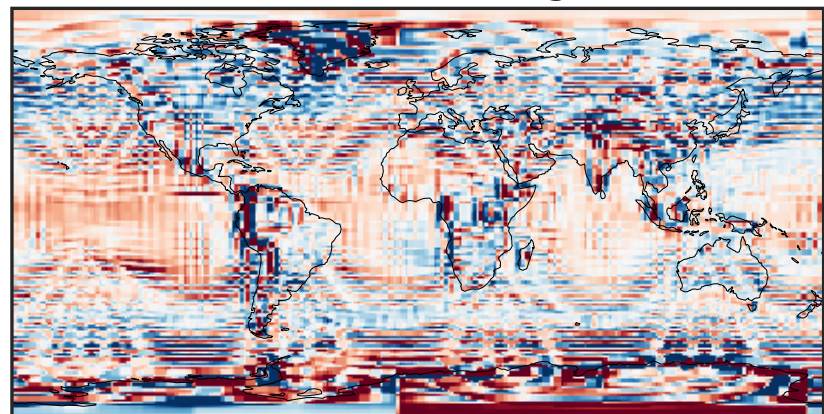
2.4 3.2 4.0  
s-1 1e-6

Difference (1x1.25)  
Dev - Ref, Dynamic Range



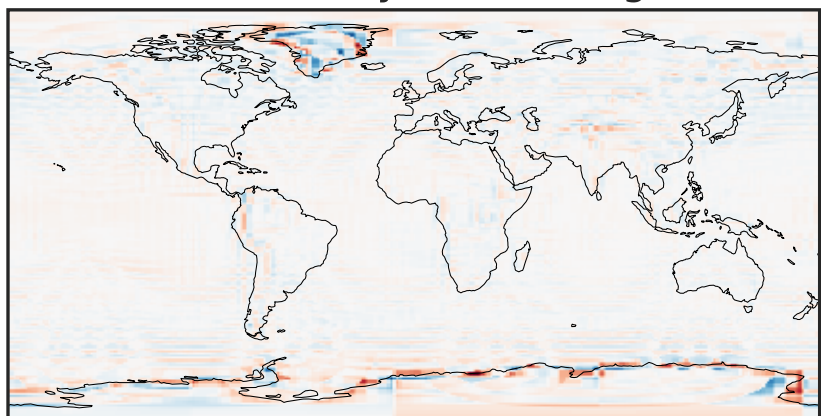
-5 0 5  
s-1 1e-7

Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



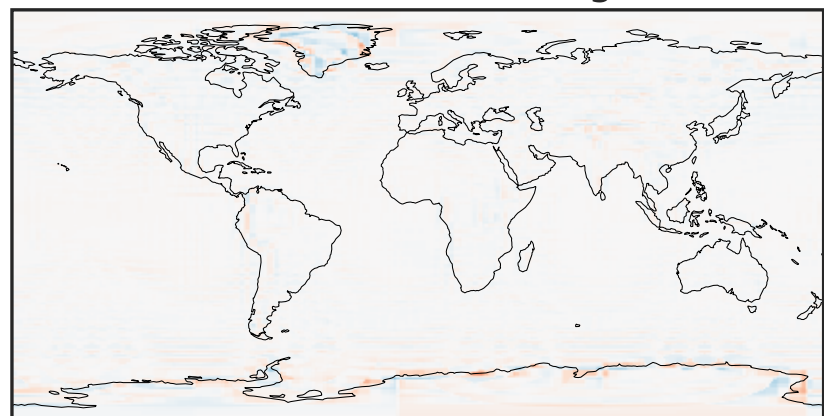
-6 0 6  
s-1 1e-8

Ratio (1x1.25)  
Dev/Ref, Dynamic Range



0.7370 0.8685 1.0000 1.1784 1.3568  
unitless

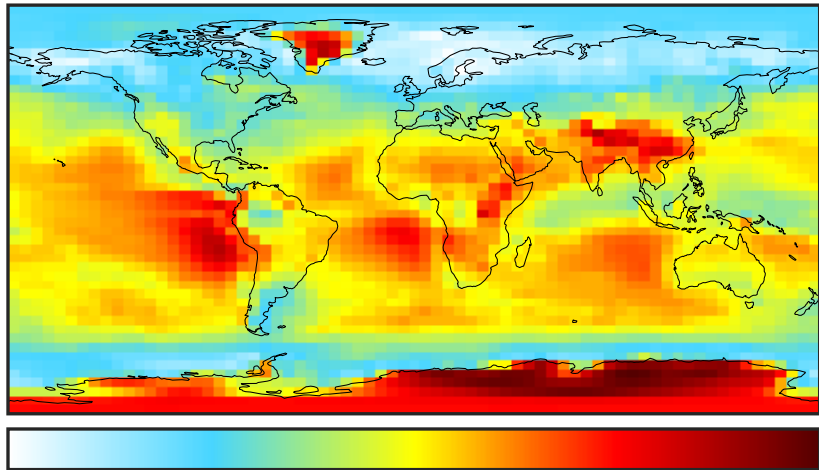
Ratio (1x1.25)  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

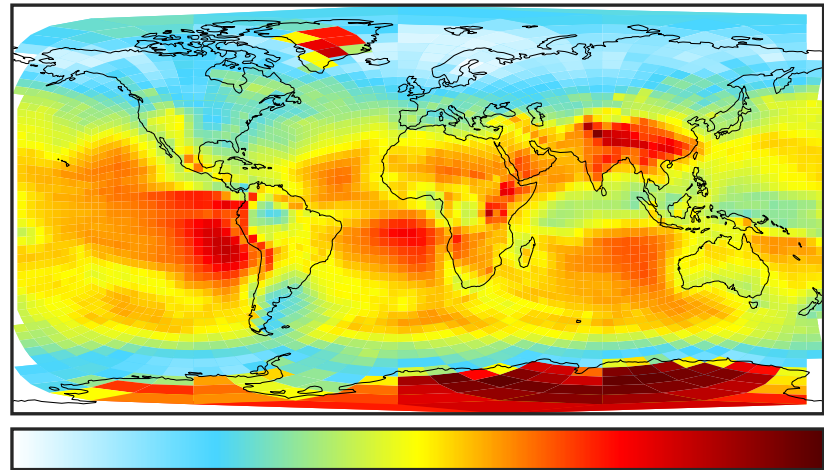
# Jval\_MVKHC (AnnualMean)

GCC\_14.2.0 (Ref)  
4.0x5.0



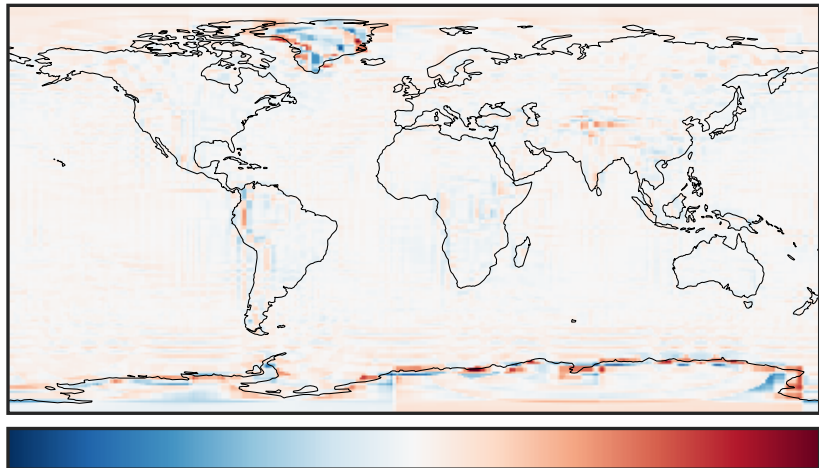
0.000100 0.000125 0.000150 0.000175  
s-1

GCHP\_14.2.0 (Dev)  
c24



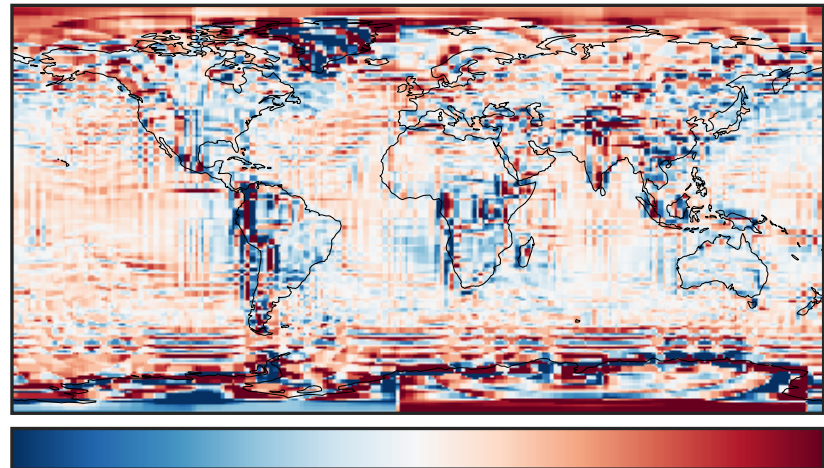
0.000100 0.000125 0.000150 0.000175  
s-1

Difference (1x1.25)  
Dev - Ref, Dynamic Range



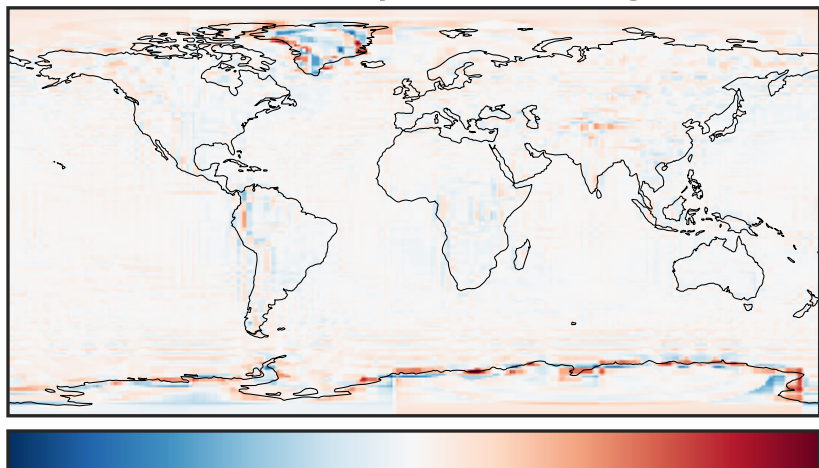
-2 0 2  
s-1 1e-5

Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



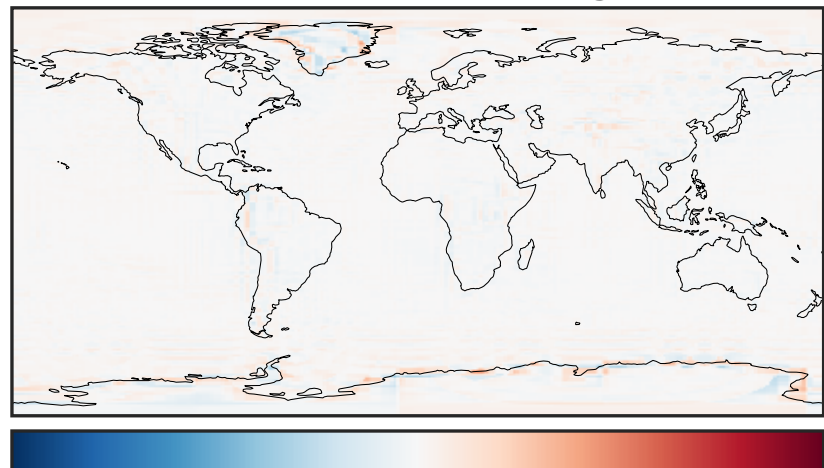
-2.5 0.0 2.5  
s-1 1e-6

Ratio (1x1.25)  
Dev/Ref, Dynamic Range



0.7527 0.8763 1.0000 1.1643 1.3286  
unitless

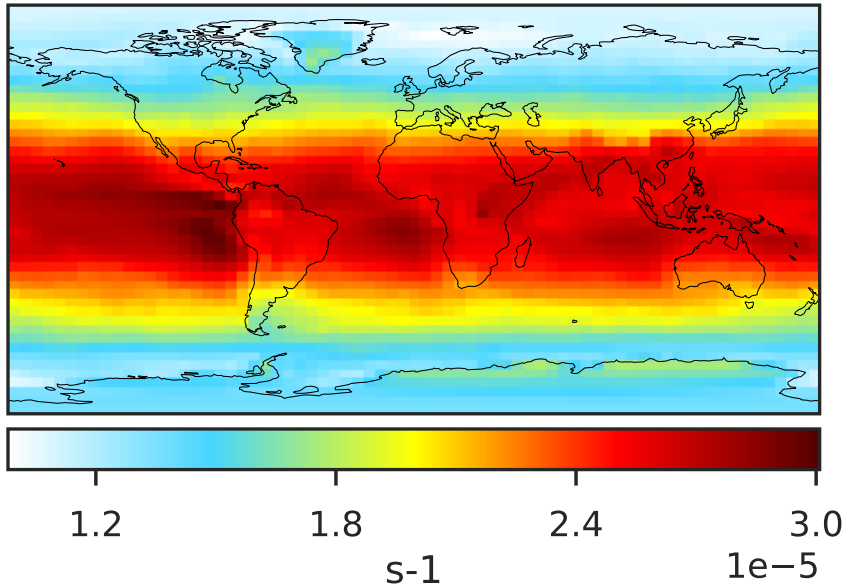
Ratio (1x1.25)  
Dev/Ref, Fixed Range



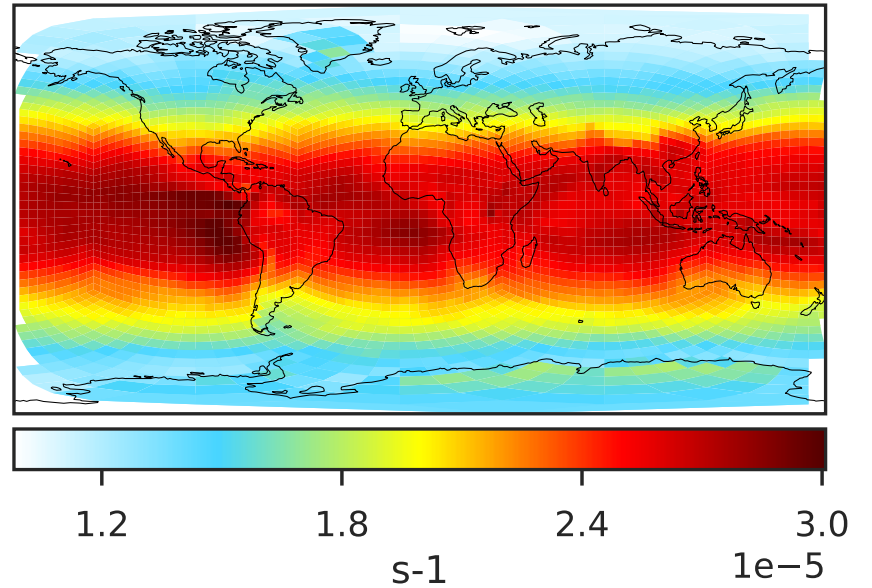
0.50 0.75 1.00 1.50 2.00  
unitless

# Jval\_MVKHCB (AnnualMean)

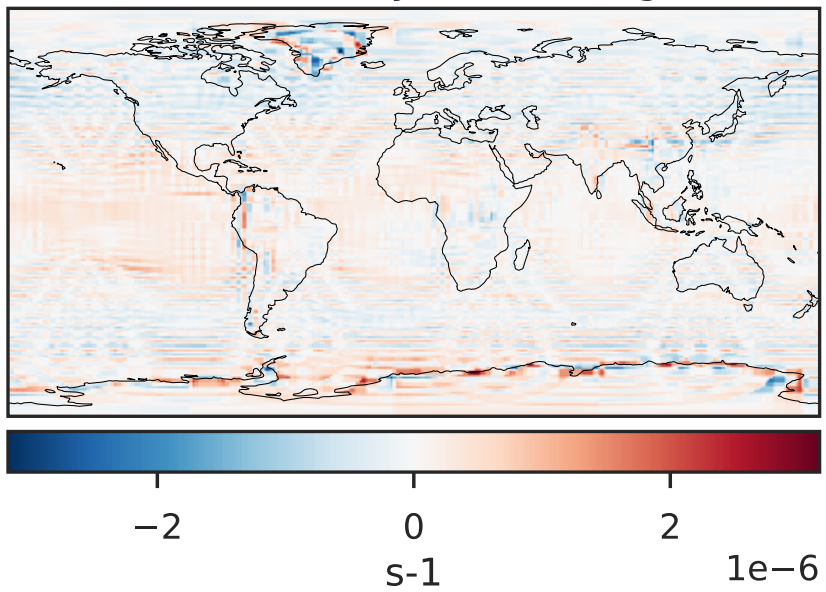
GCC\_14.2.0 (Ref)  
4.0x5.0



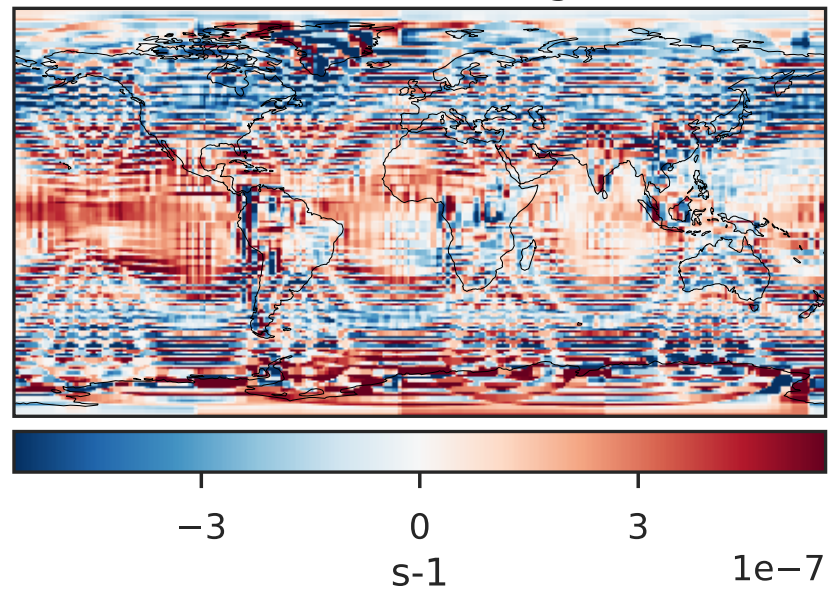
GCHP\_14.2.0 (Dev)  
c24



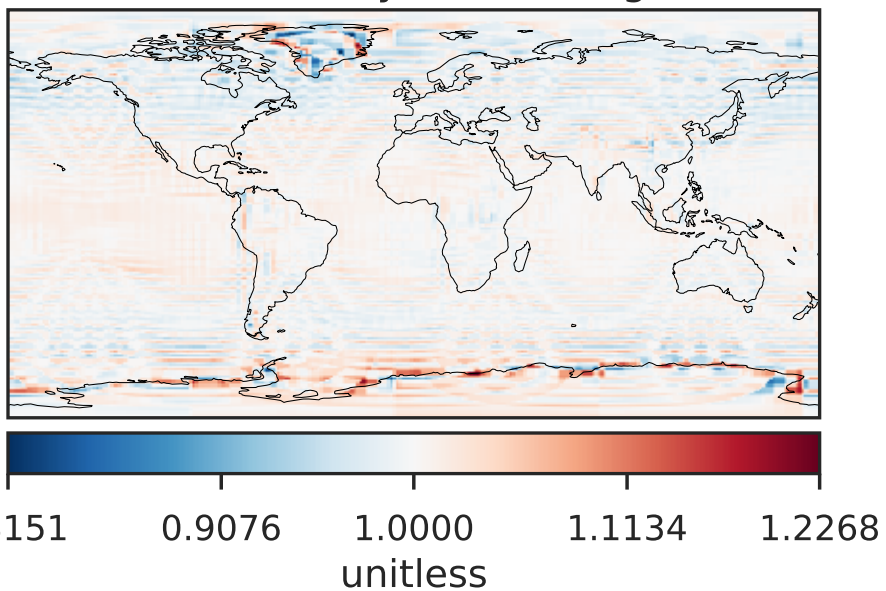
Difference (1x1.25)  
Dev - Ref, Dynamic Range



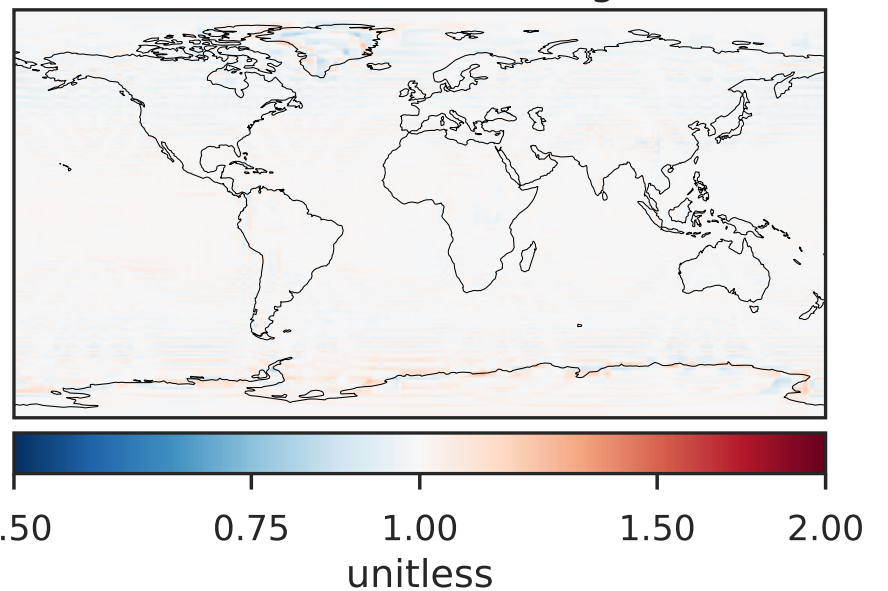
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)  
Dev/Ref, Dynamic Range

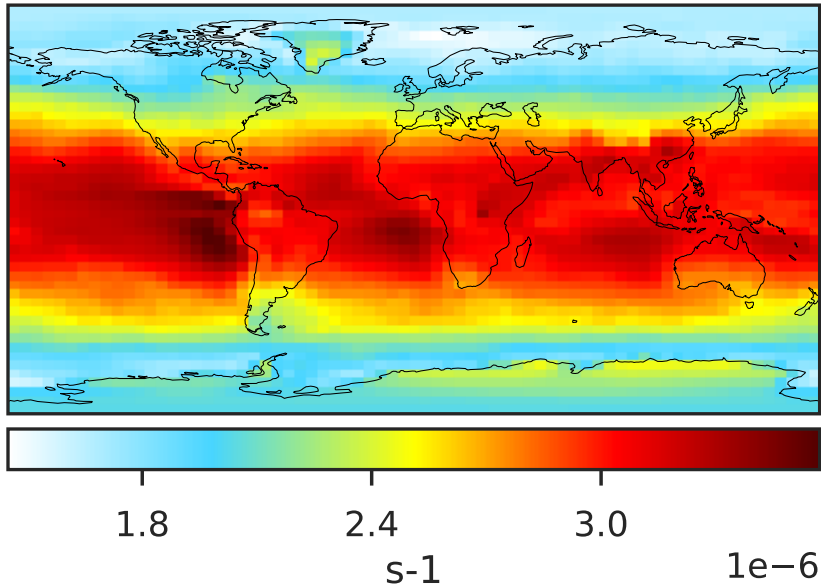


Ratio (1x1.25)  
Dev/Ref, Fixed Range

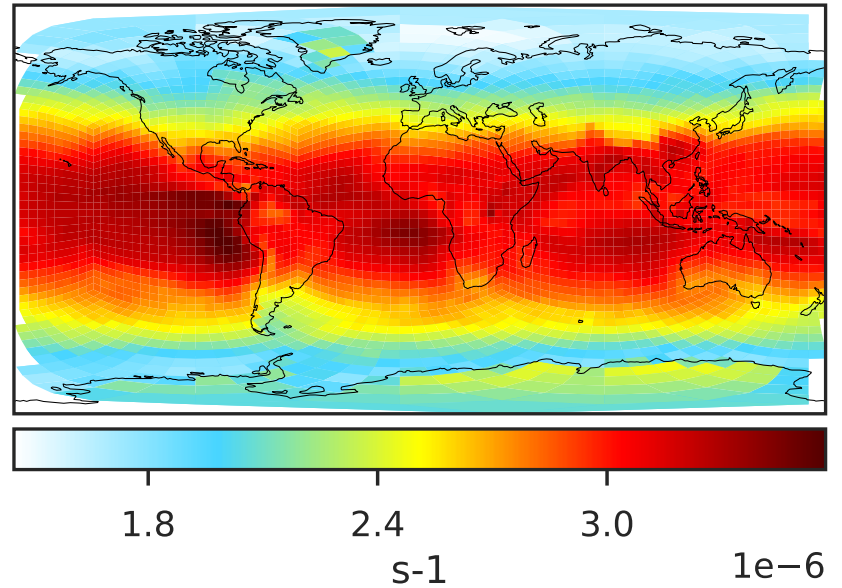


# Jval\_MVKHP (AnnualMean)

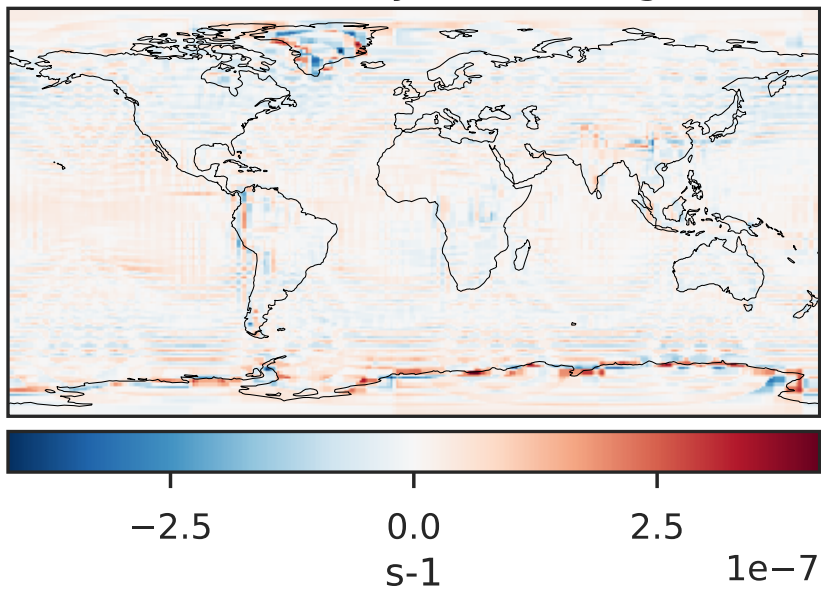
GCC\_14.2.0 (Ref)  
4.0x5.0



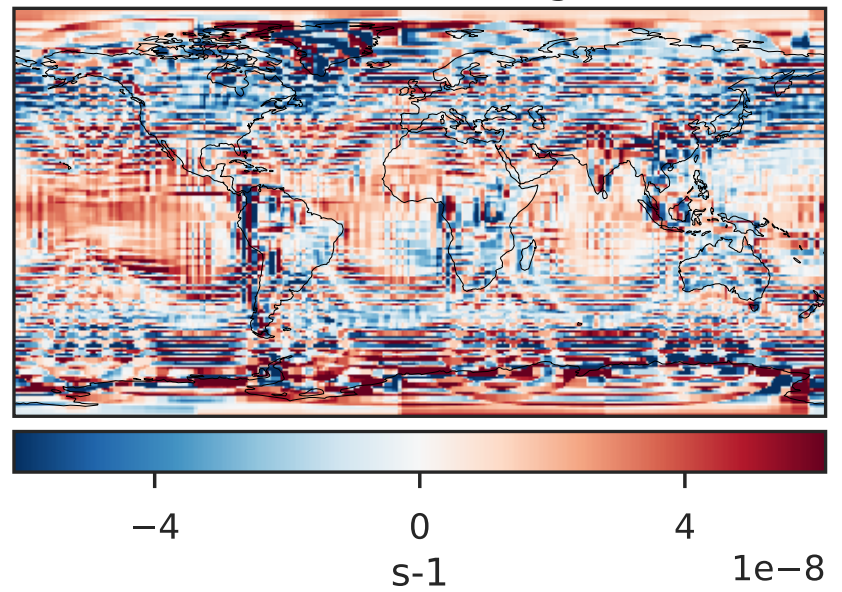
GCHP\_14.2.0 (Dev)  
c24



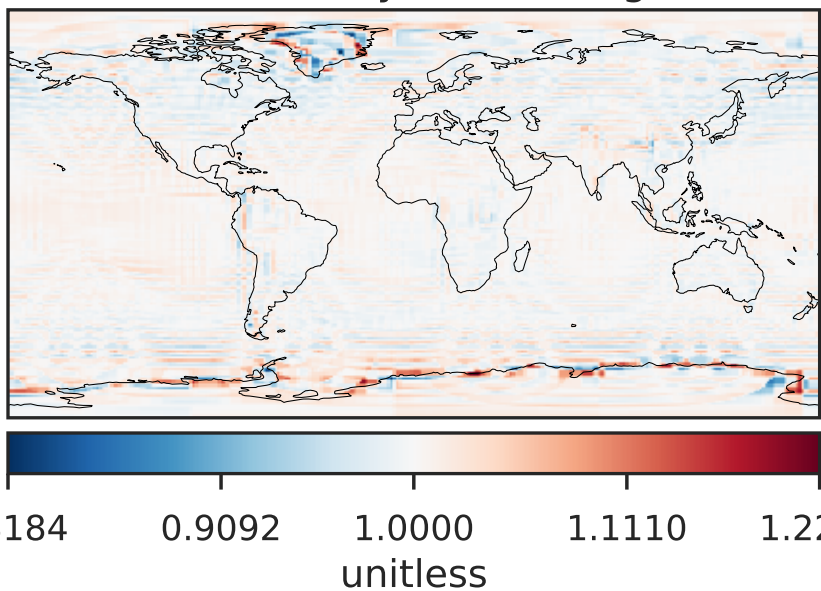
Difference (1x1.25)  
Dev - Ref, Dynamic Range



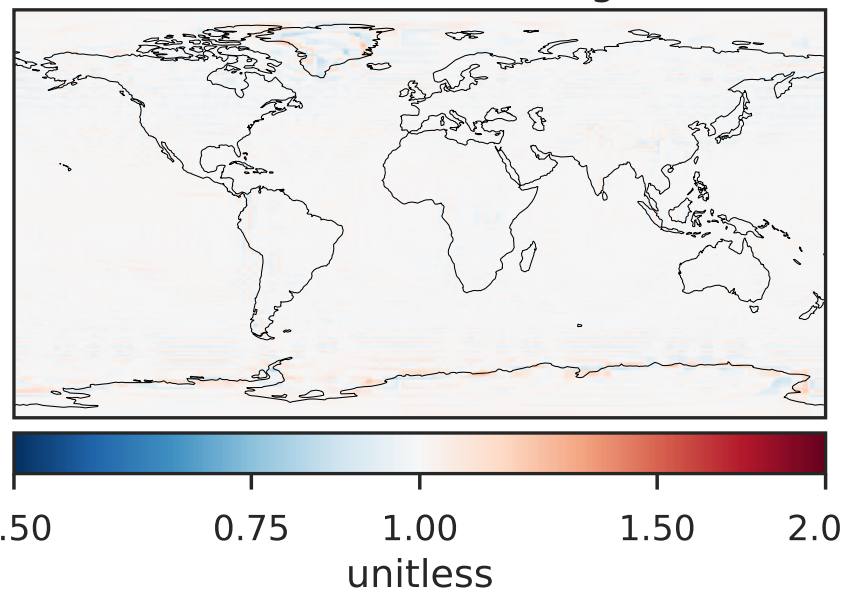
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)  
Dev/Ref, Dynamic Range

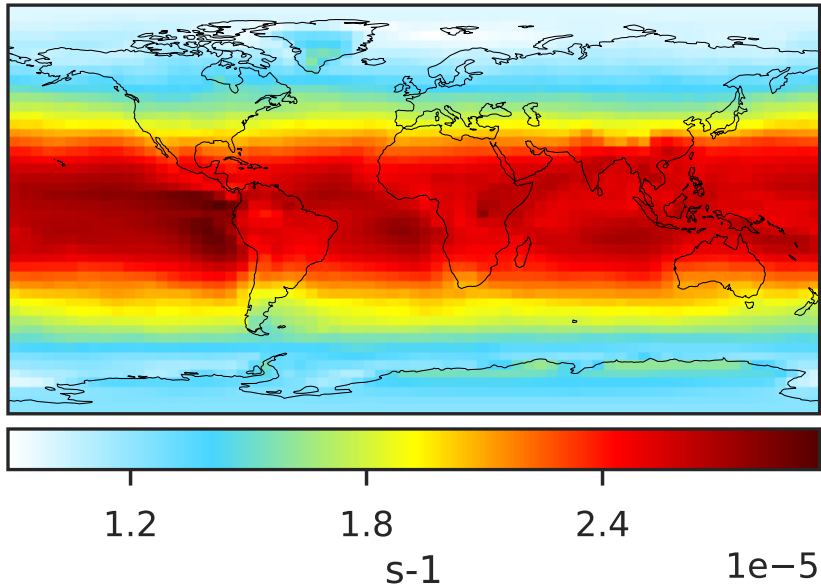


Ratio (1x1.25)  
Dev/Ref, Fixed Range

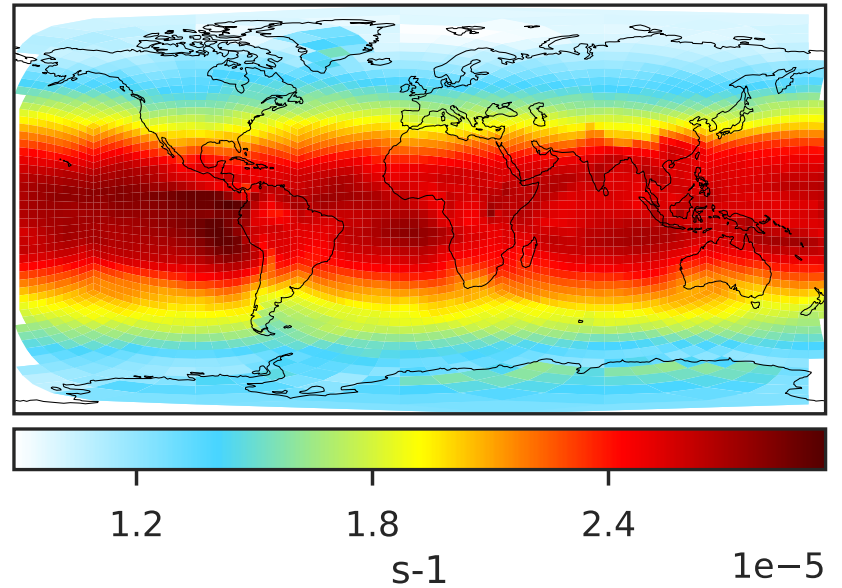


# Jval\_MVKN (AnnualMean)

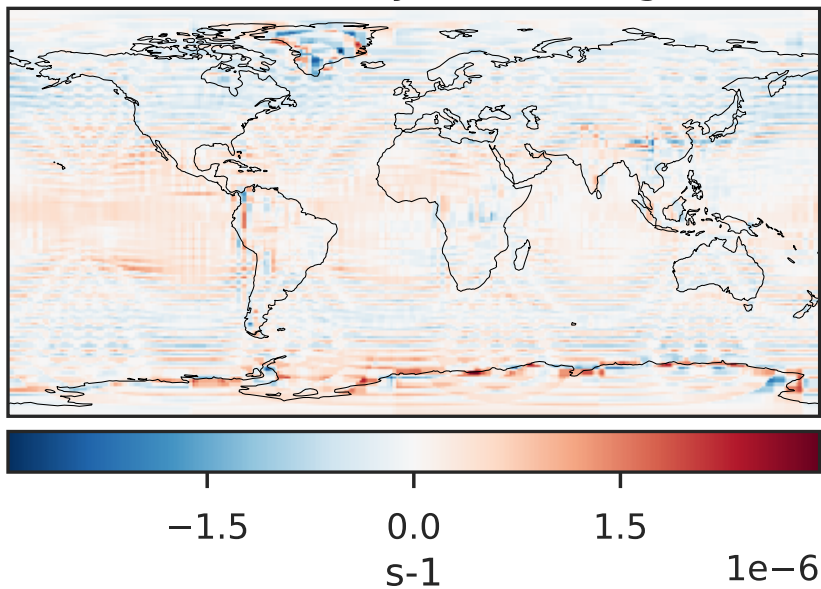
GCC\_14.2.0 (Ref)  
4.0x5.0



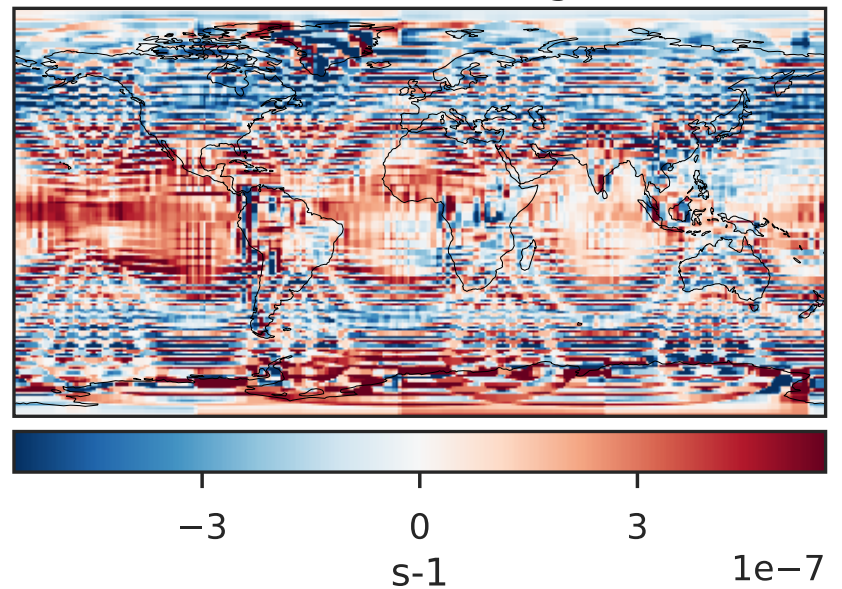
GCHP\_14.2.0 (Dev)  
c24



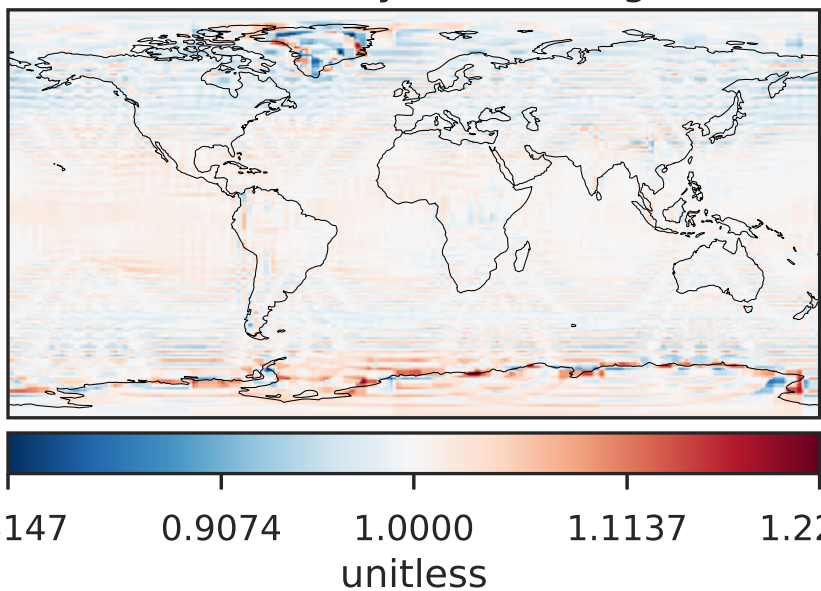
Difference (1x1.25)  
Dev - Ref, Dynamic Range



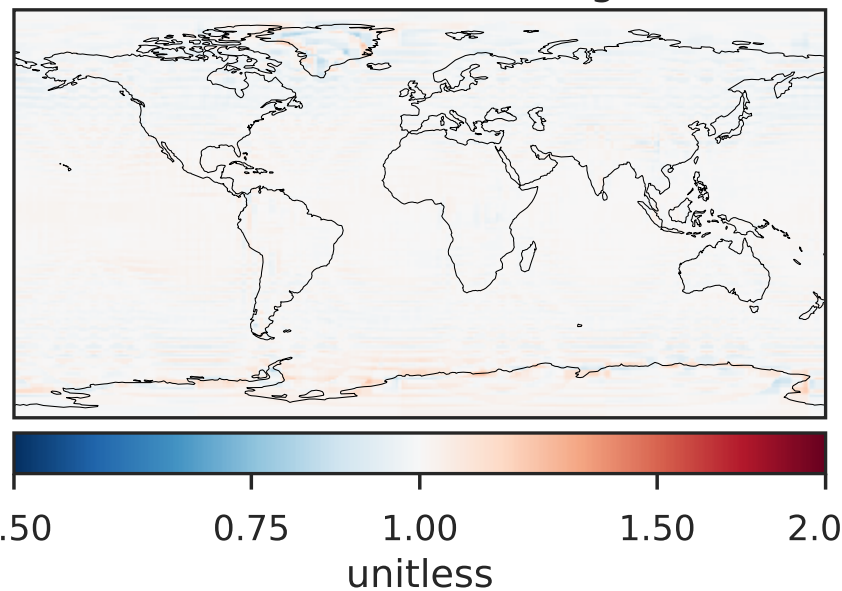
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)  
Dev/Ref, Dynamic Range

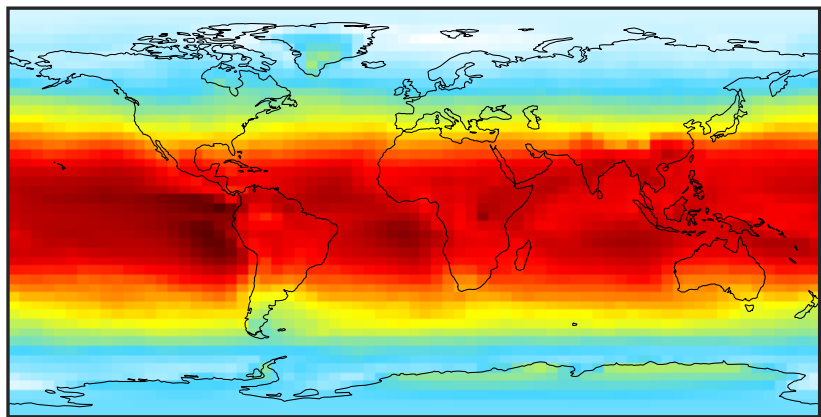


Ratio (1x1.25)  
Dev/Ref, Fixed Range



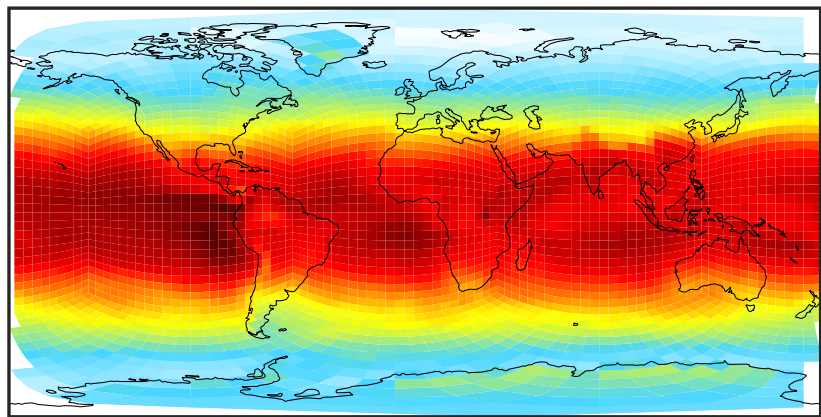
# Jval\_MVKPC (AnnualMean)

GCC\_14.2.0 (Ref)  
4.0x5.0



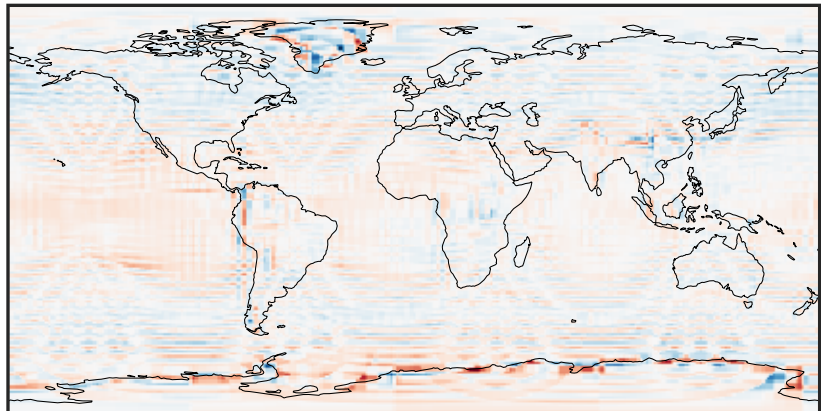
1.2 1.8 2.4 3.0  
s-1  $1e-5$

GCHP\_14.2.0 (Dev)  
c24



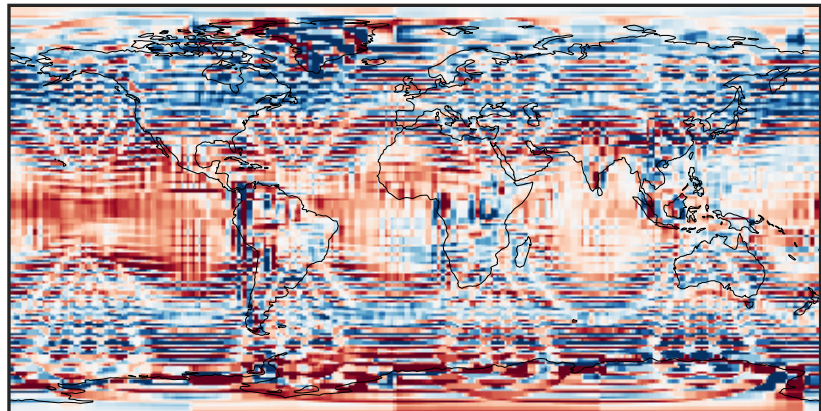
1.2 1.8 2.4 3.0  
s-1  $1e-5$

Difference (1x1.25)  
Dev - Ref, Dynamic Range



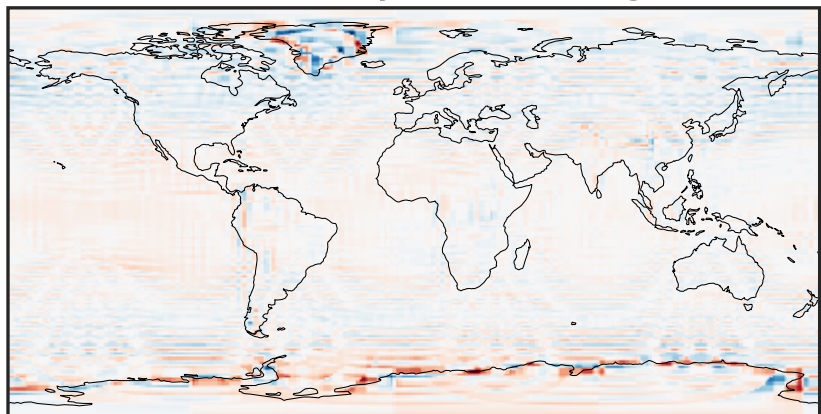
-2 0 2  
s-1  $1e-6$

Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



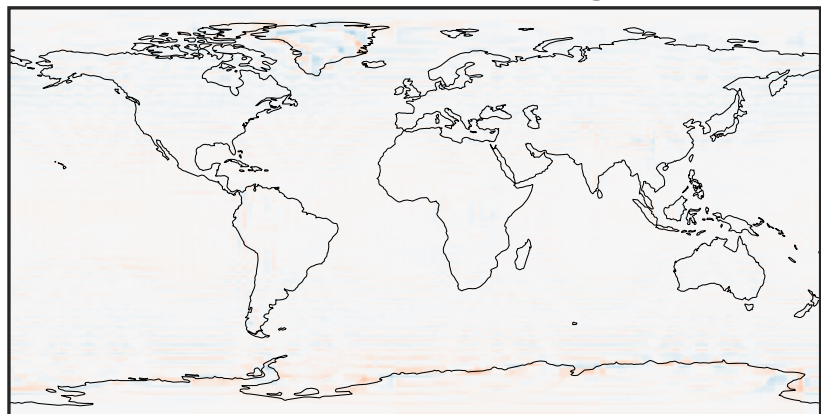
-4 0 4  
s-1  $1e-7$

Ratio (1x1.25)  
Dev/Ref, Dynamic Range



0.8155 0.9078 1.0000 1.1131 1.2262  
unitless

Ratio (1x1.25)  
Dev/Ref, Fixed Range

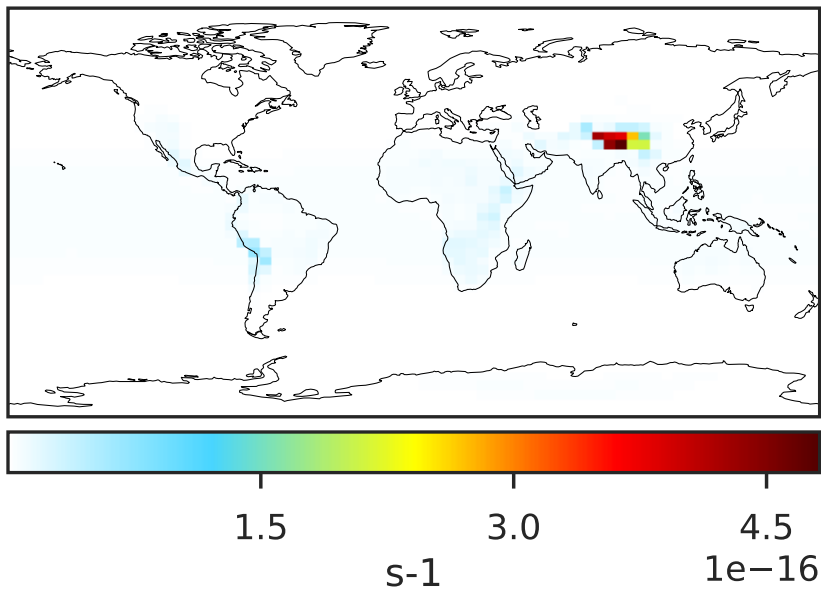


0.50 0.75 1.00 1.50 2.00  
unitless

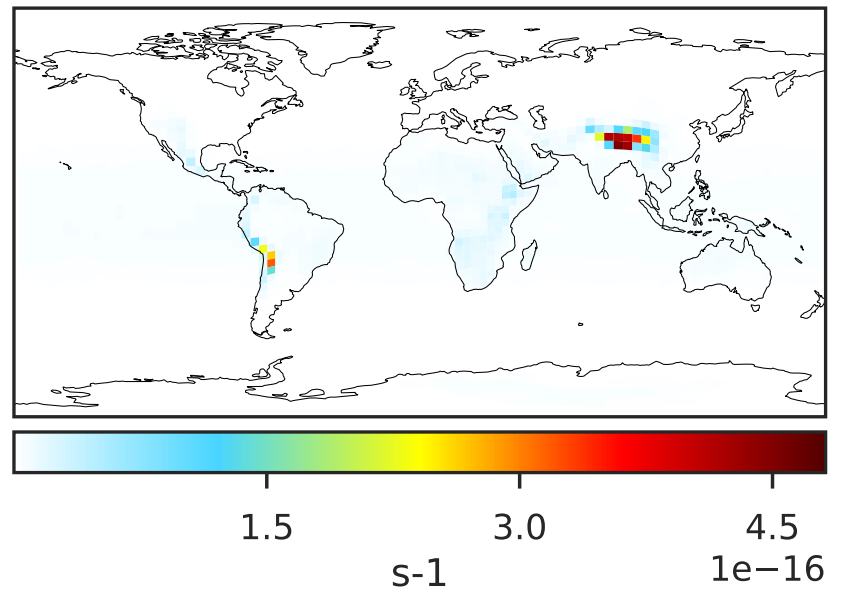


# Jval\_N2O (AnnualMean)

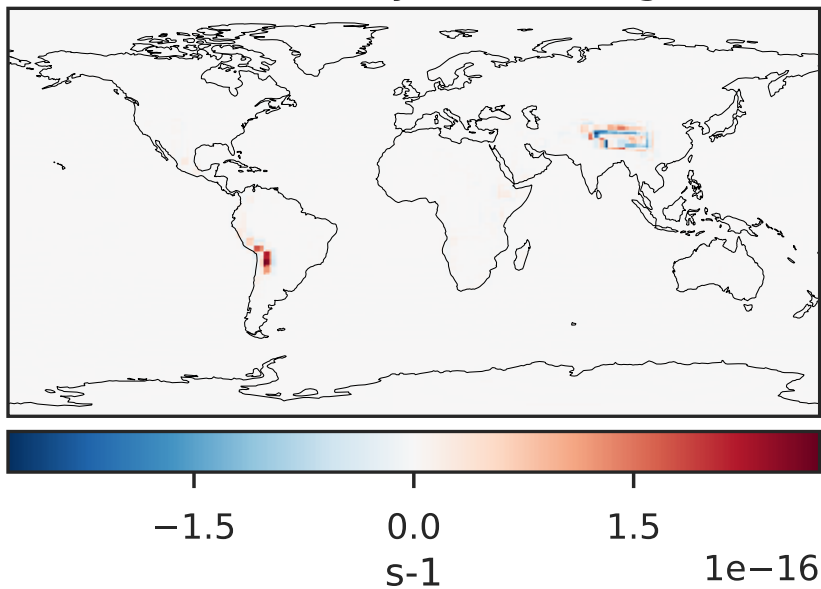
GCC\_14.2.0 (Ref)  
4.0x5.0



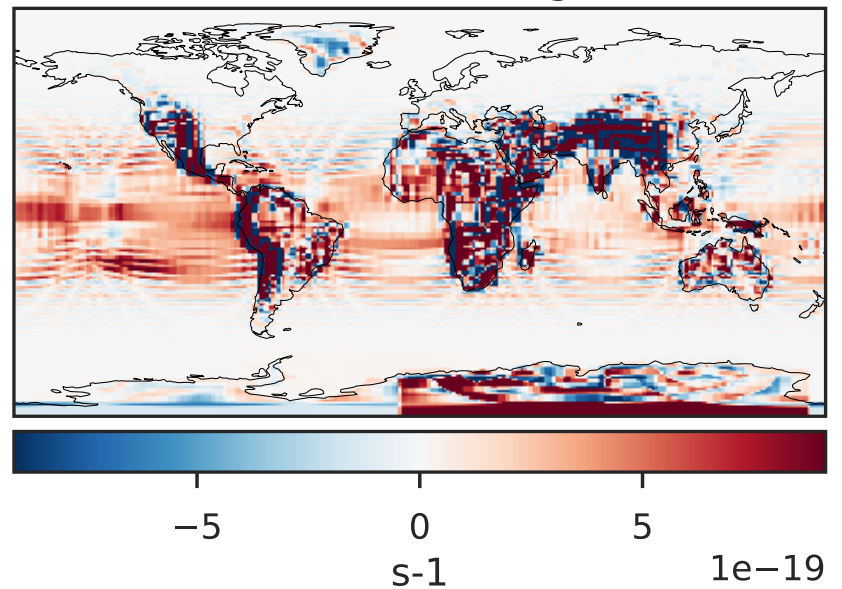
GCHP\_14.2.0 (Dev)  
c24



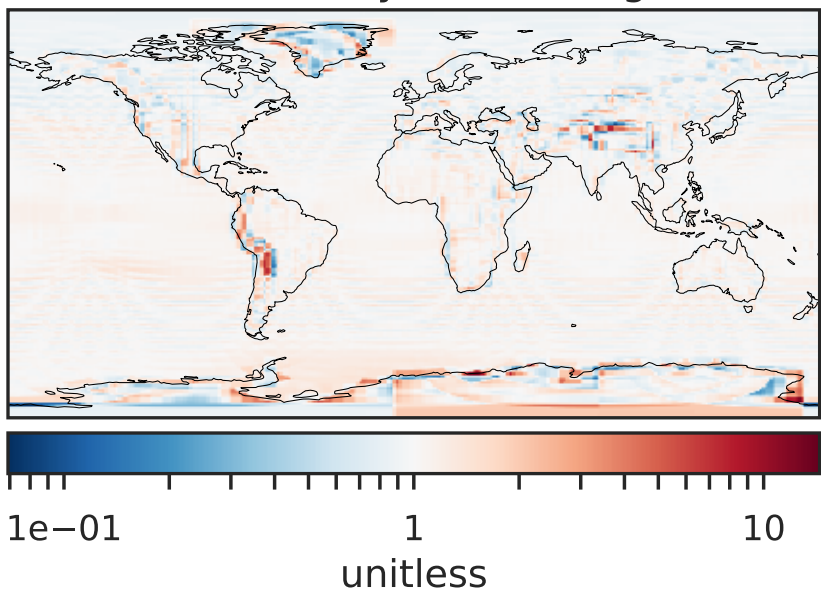
Difference (1x1.25)  
Dev - Ref, Dynamic Range



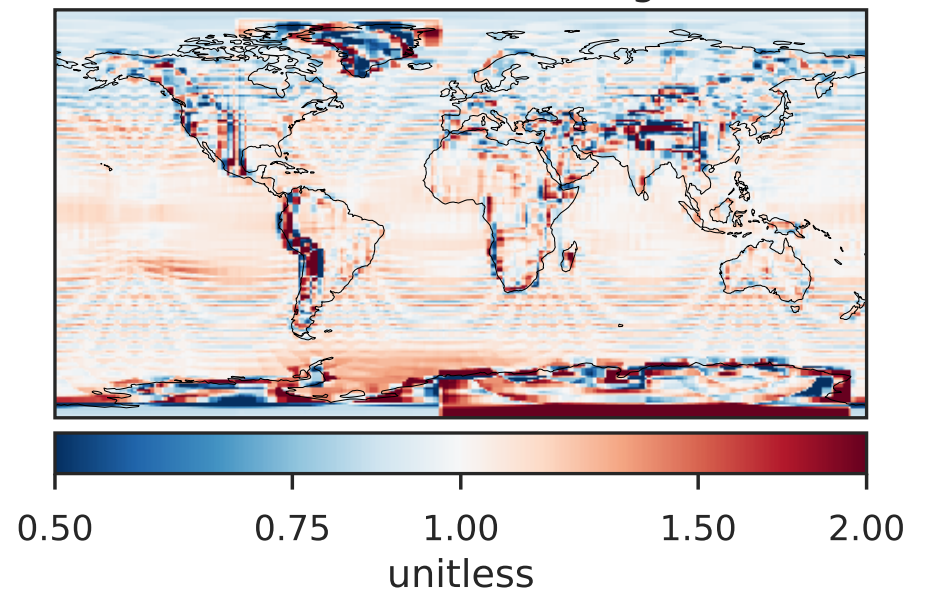
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)  
Dev/Ref, Dynamic Range

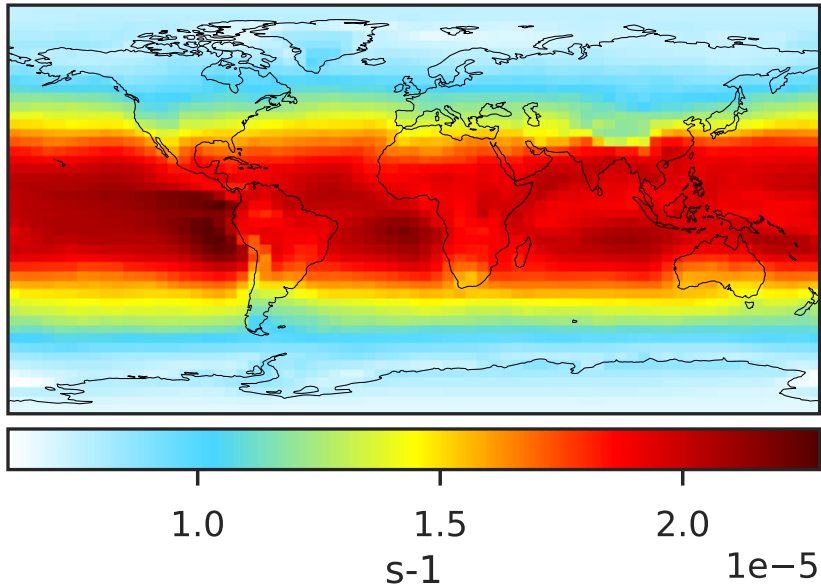


Ratio (1x1.25)  
Dev/Ref, Fixed Range

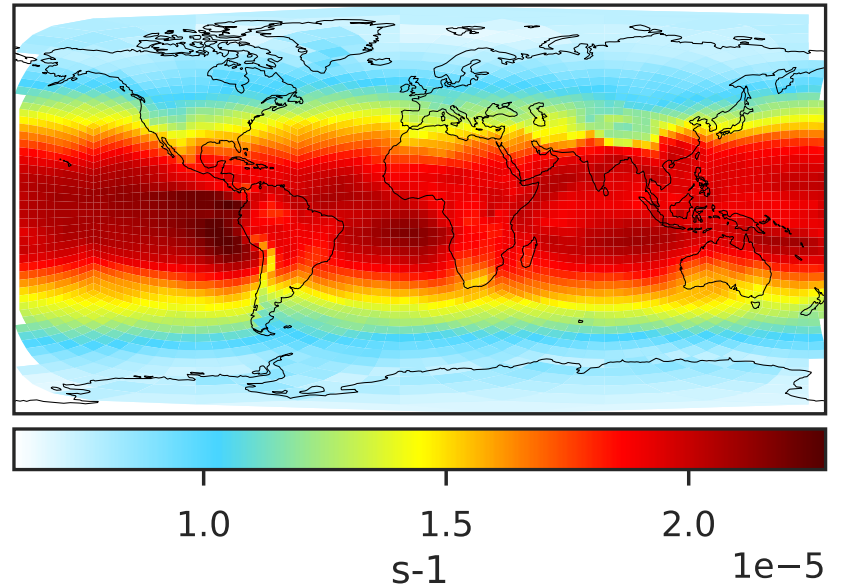


# Jval\_N2O5 (AnnualMean)

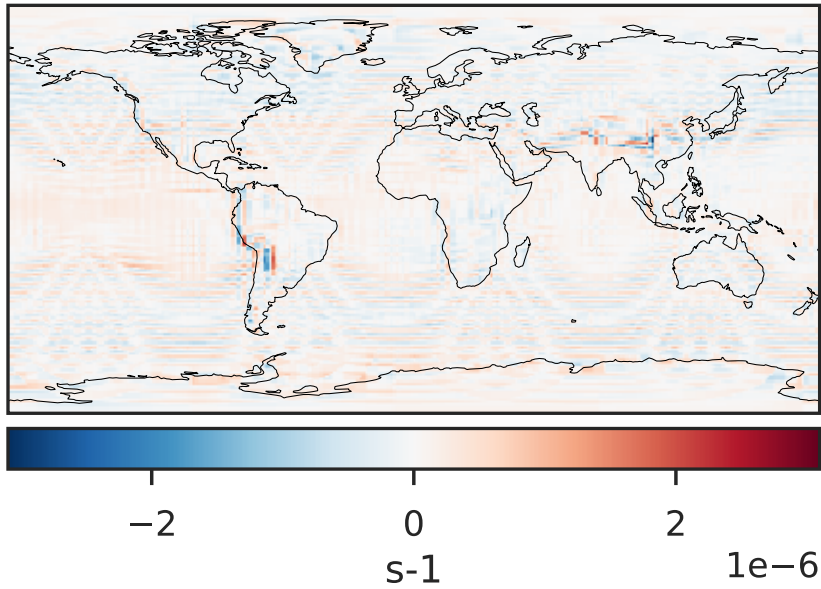
GCC\_14.2.0 (Ref)  
4.0x5.0



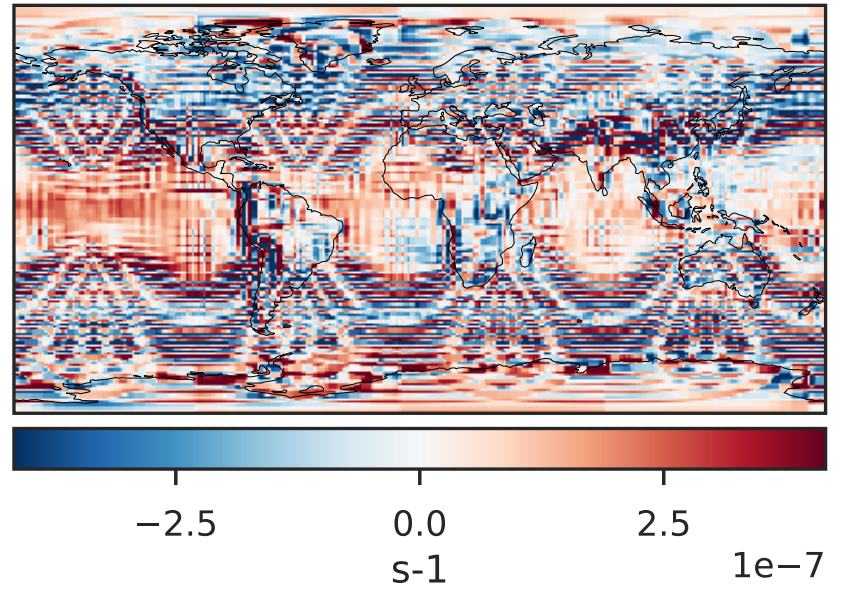
GCHP\_14.2.0 (Dev)  
c24



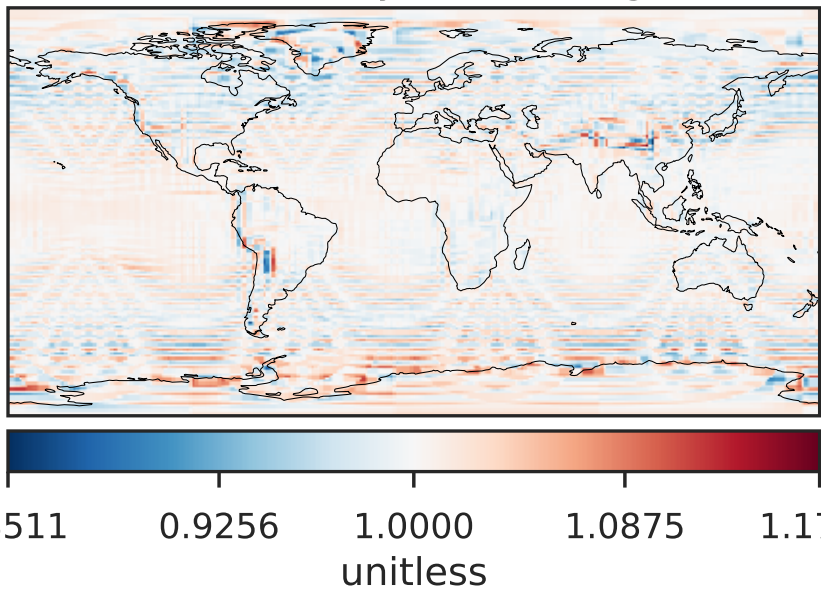
Difference (1x1.25)  
Dev - Ref, Dynamic Range



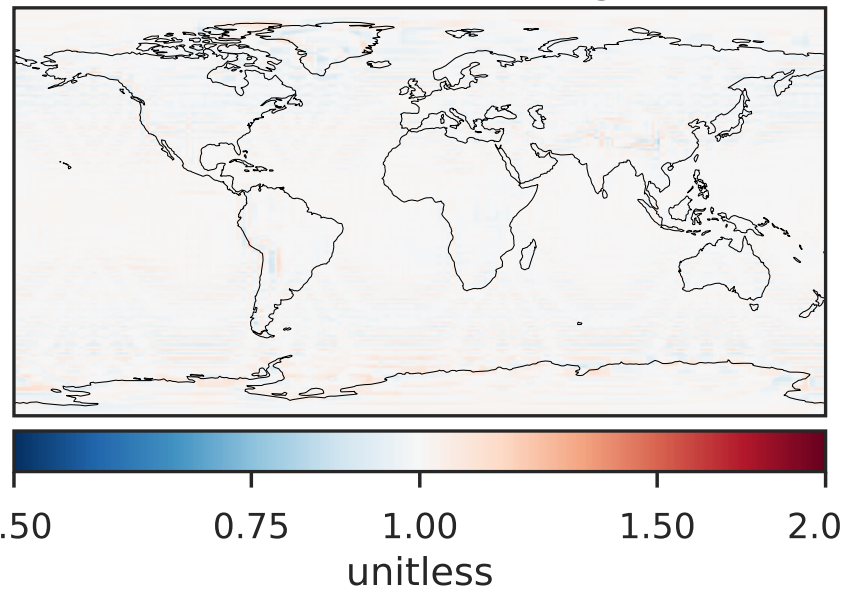
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)  
Dev/Ref, Dynamic Range

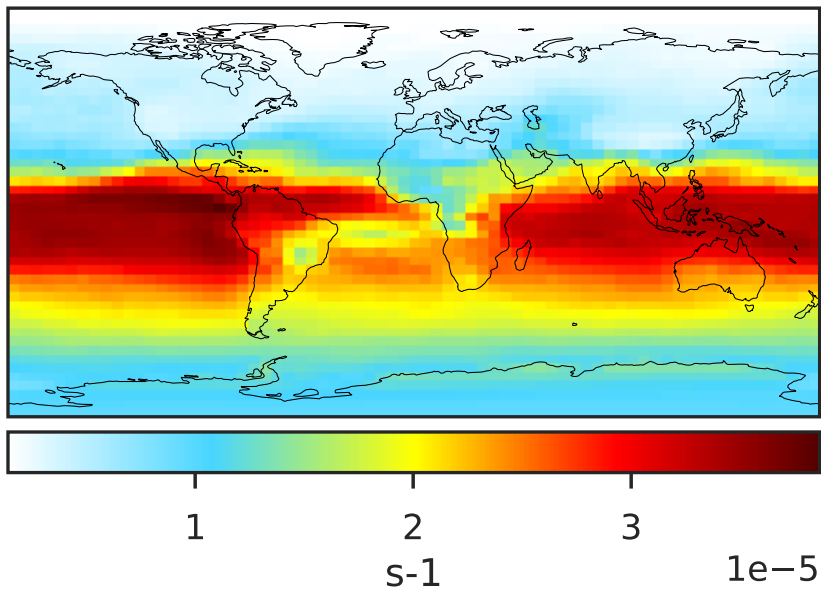


Ratio (1x1.25)  
Dev/Ref, Fixed Range

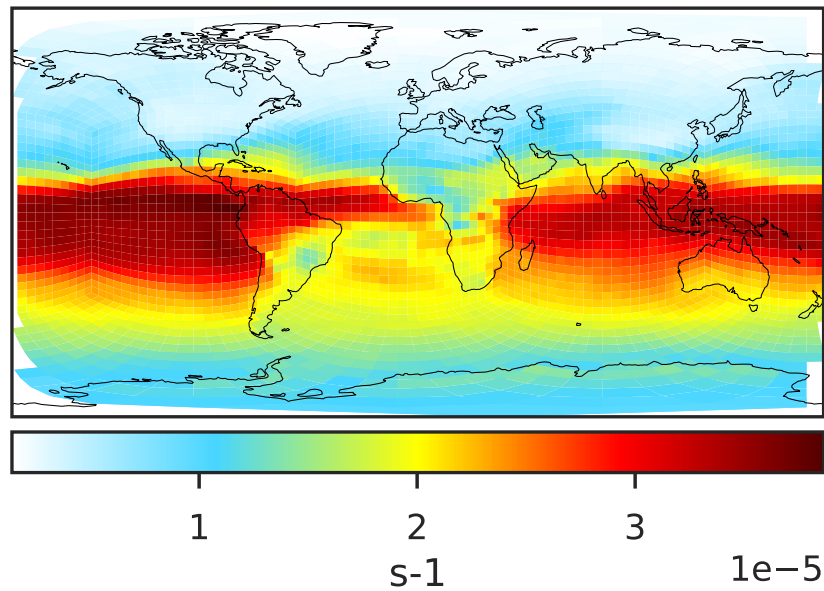


# Jval\_NIT (AnnualMean)

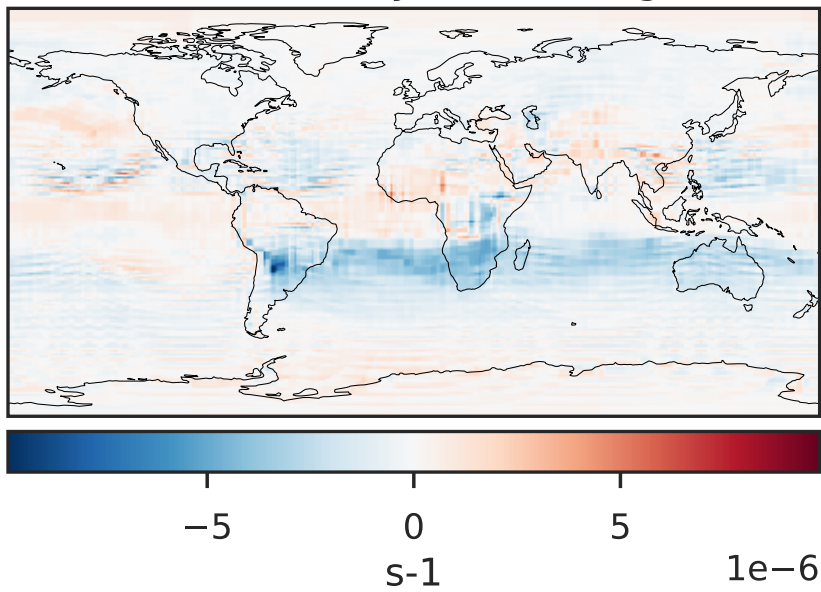
GCC\_14.2.0 (Ref)  
4.0x5.0



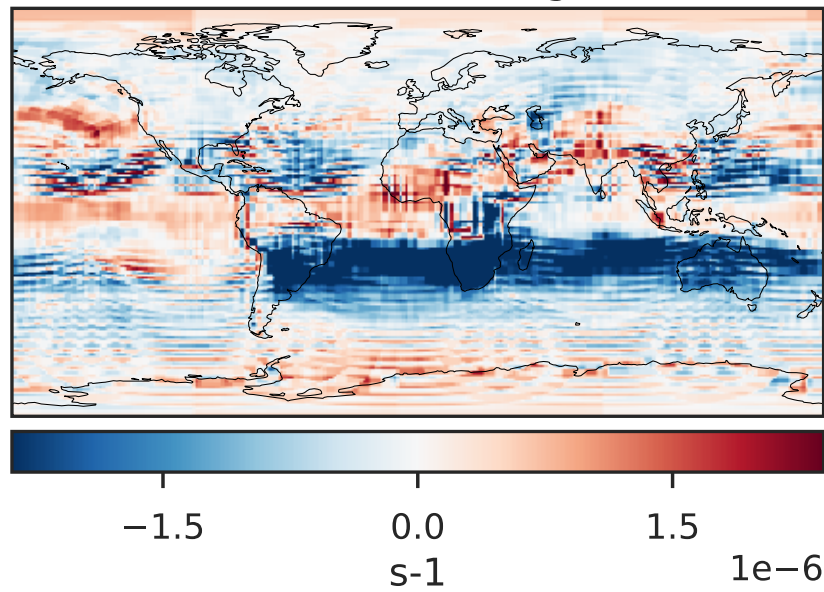
GCHP\_14.2.0 (Dev)  
c24



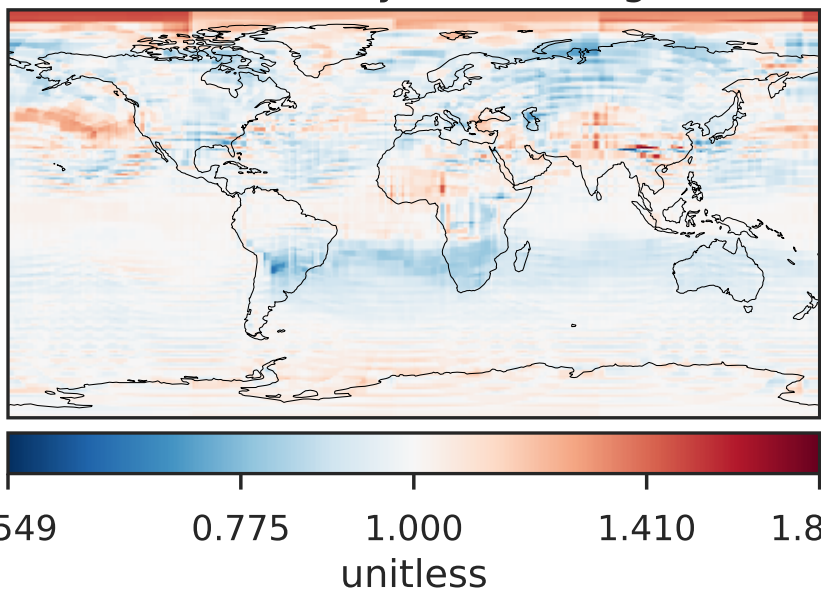
Difference (1x1.25)  
Dev - Ref, Dynamic Range



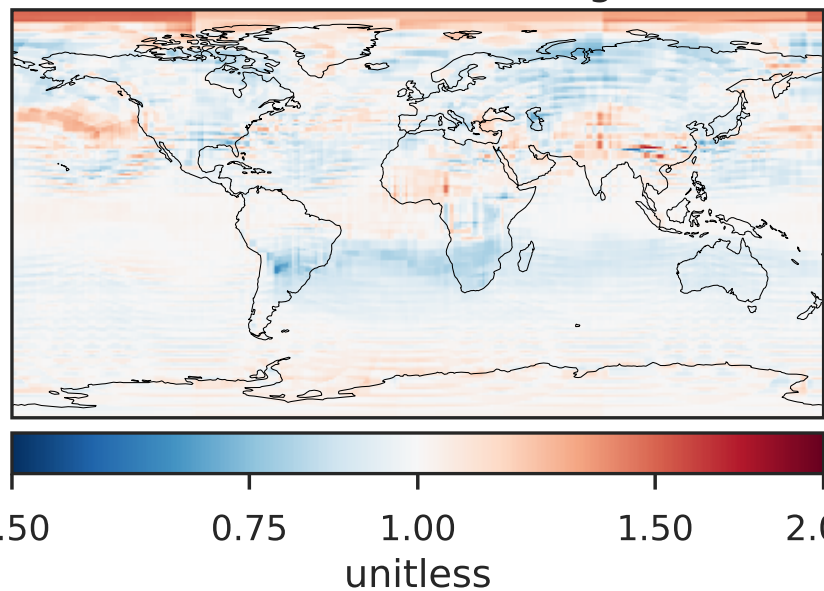
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)  
Dev/Ref, Dynamic Range

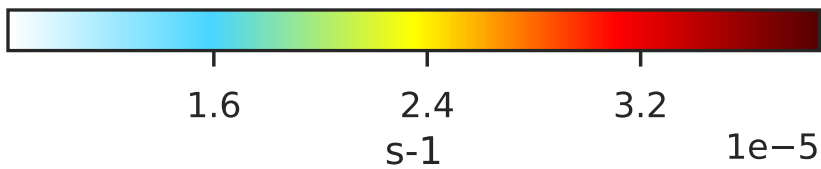
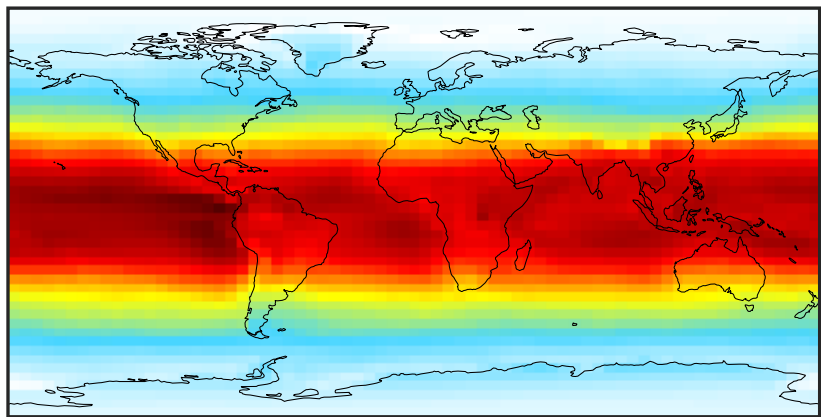


Ratio (1x1.25)  
Dev/Ref, Fixed Range

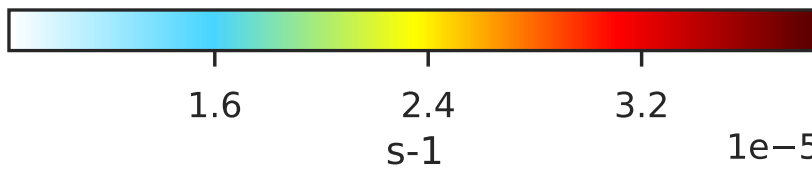
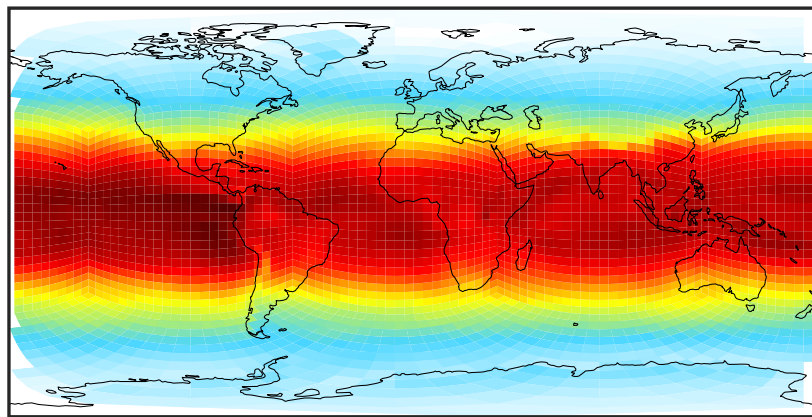


# Jval\_NITs (AnnualMean)

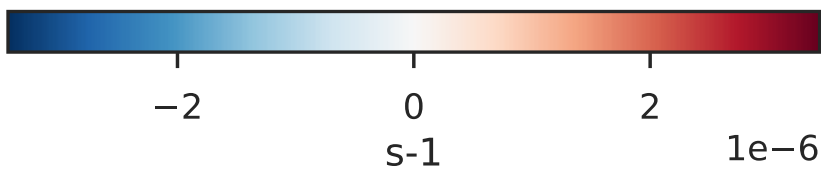
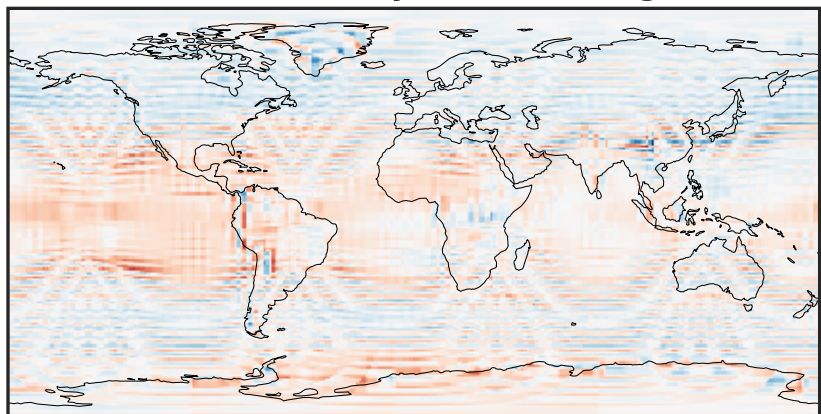
GCC\_14.2.0 (Ref)  
4.0x5.0



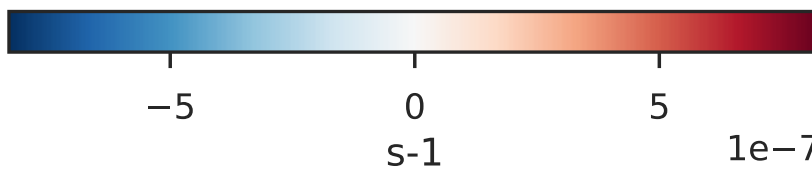
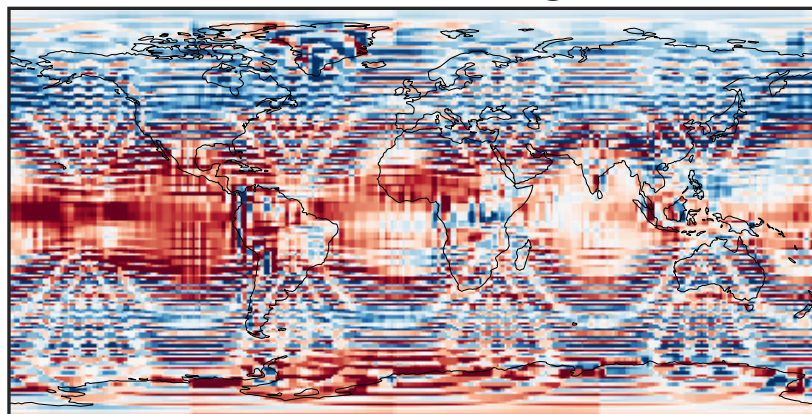
GCHP\_14.2.0 (Dev)  
c24



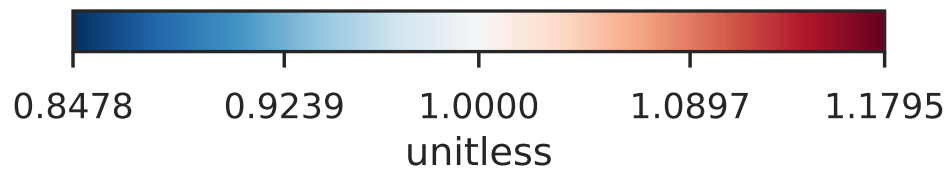
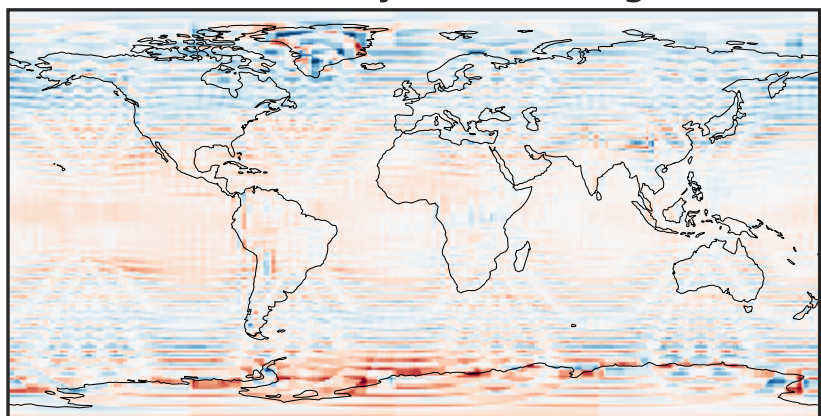
Difference (1x1.25)  
Dev - Ref, Dynamic Range



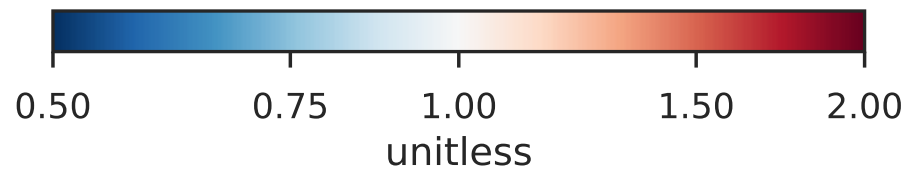
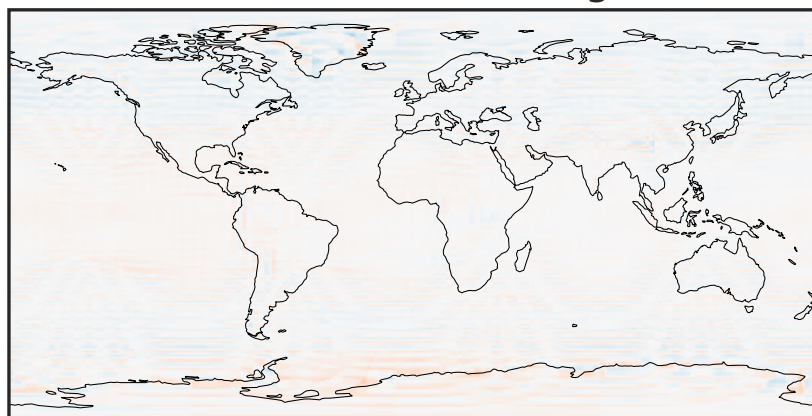
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)  
Dev/Ref, Dynamic Range

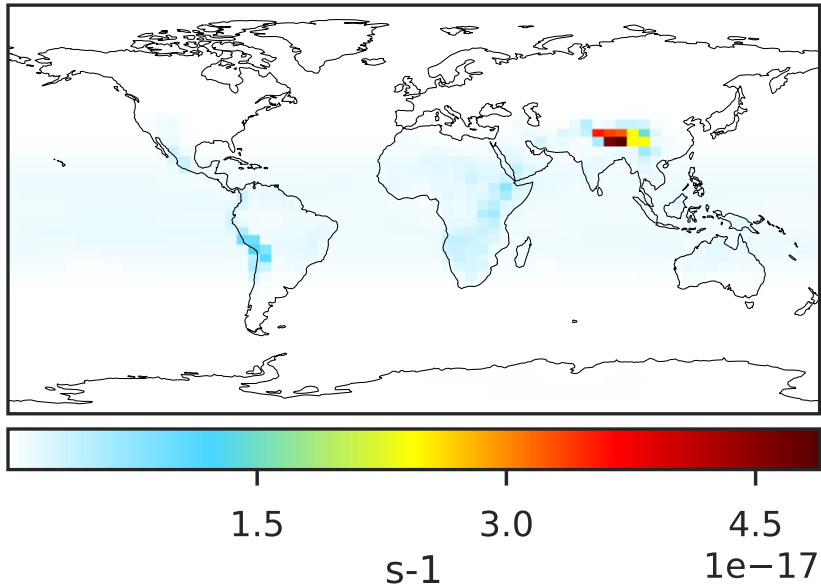


Ratio (1x1.25)  
Dev/Ref, Fixed Range

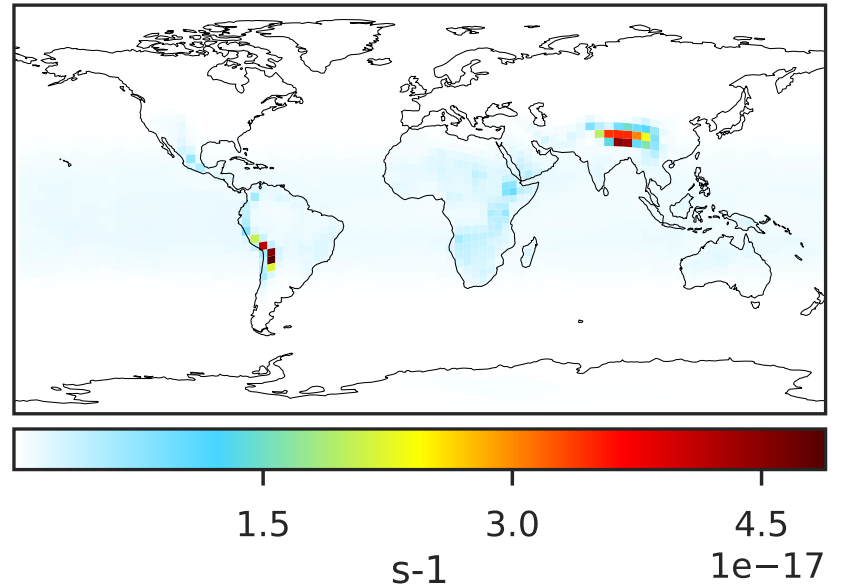


# Jval\_NO (AnnualMean)

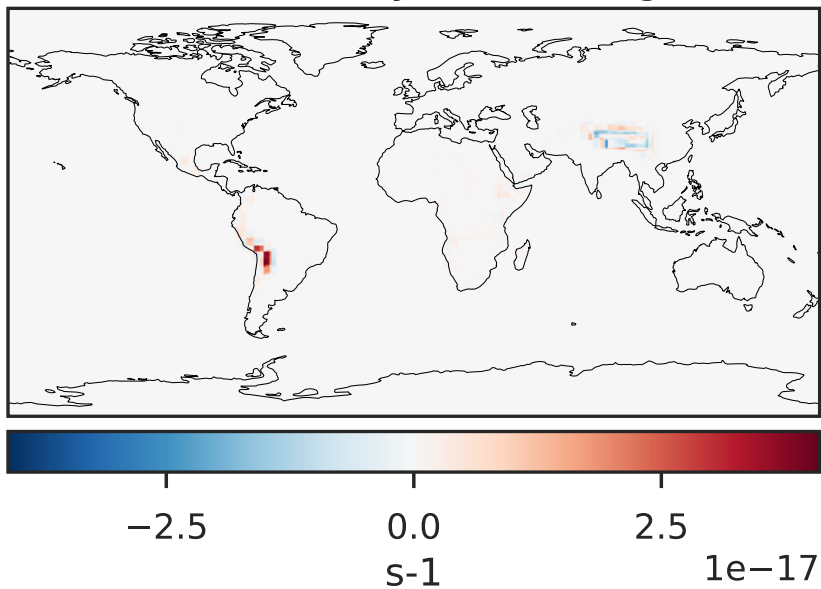
GCC\_14.2.0 (Ref)  
4.0x5.0



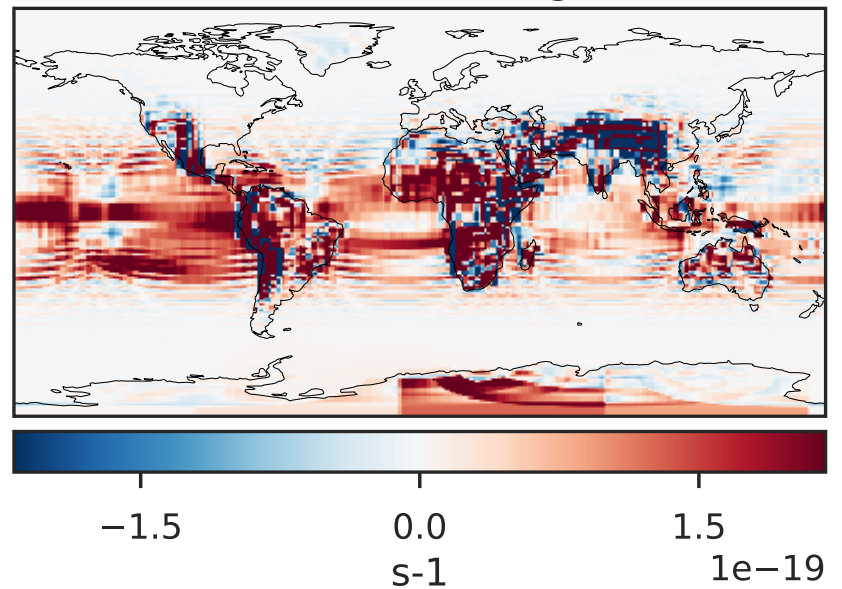
GCHP\_14.2.0 (Dev)  
c24



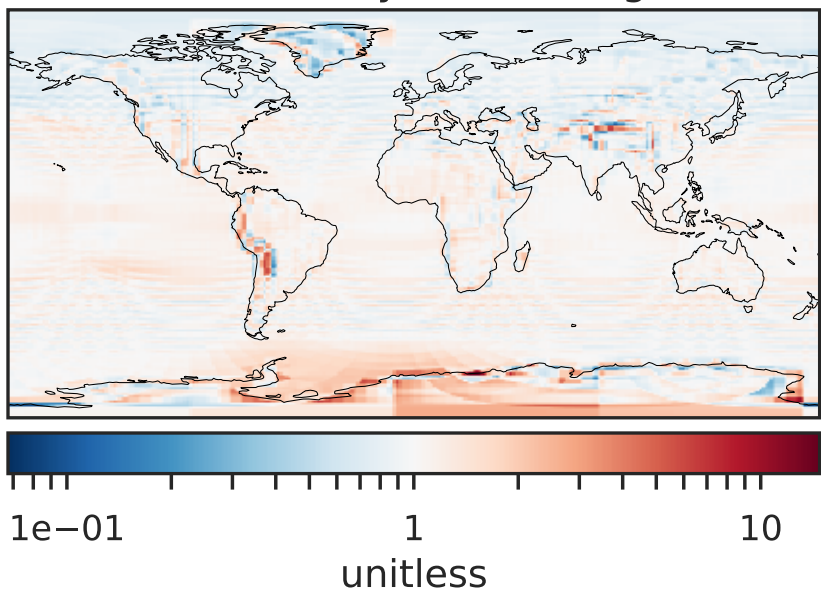
Difference (1x1.25)  
Dev - Ref, Dynamic Range



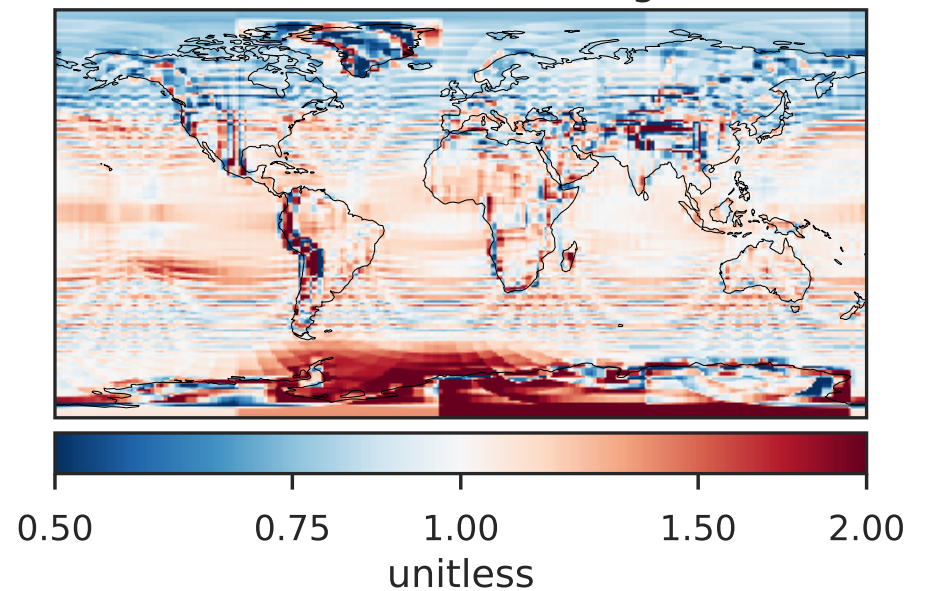
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)  
Dev/Ref, Dynamic Range

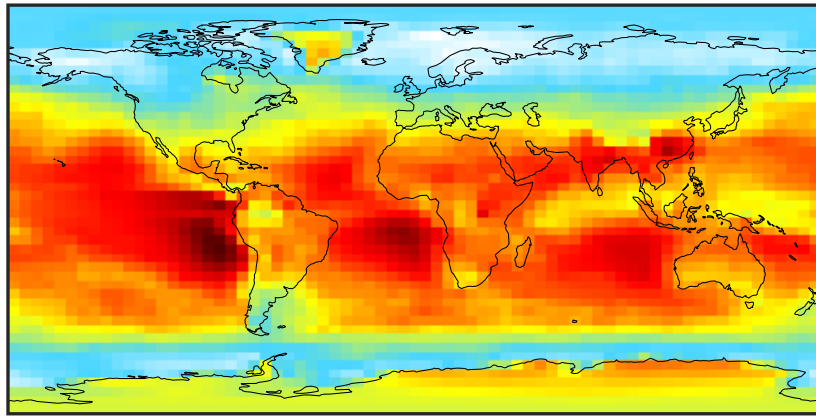


Ratio (1x1.25)  
Dev/Ref, Fixed Range



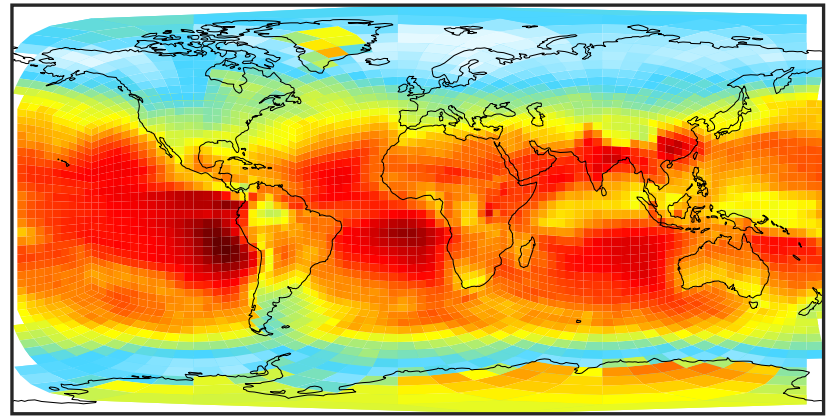
# Jval\_NO2 (AnnualMean)

GCC\_14.2.0 (Ref)  
4.0x5.0



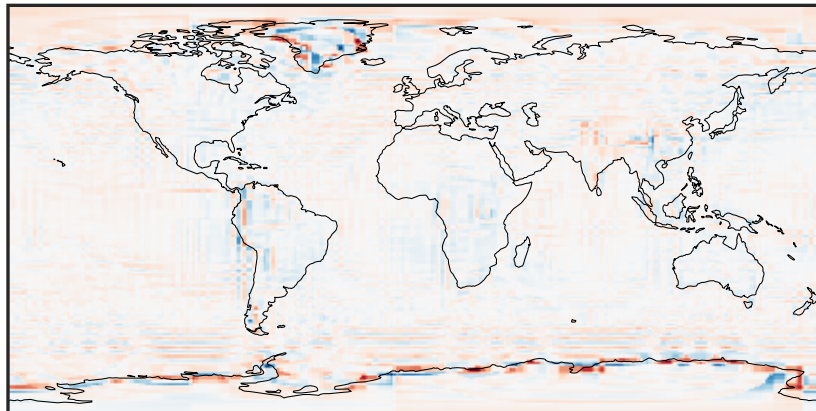
0.0032 0.0040 0.0048 0.0056  
s-1

GCHP\_14.2.0 (Dev)  
c24



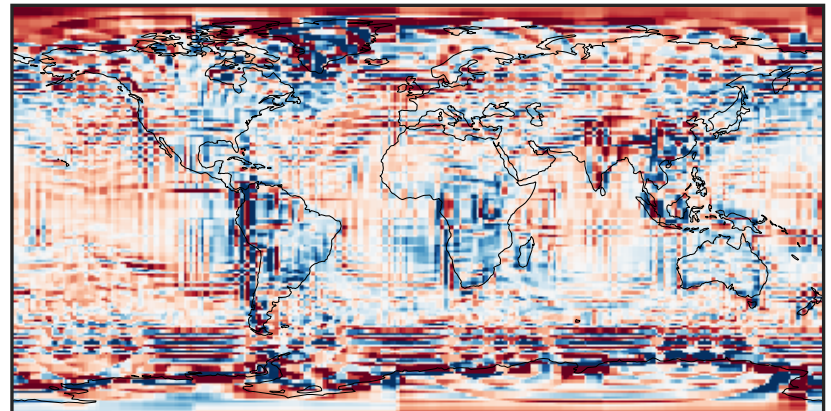
0.0032 0.0040 0.0048 0.0056  
s-1

Difference (1x1.25)  
Dev - Ref, Dynamic Range



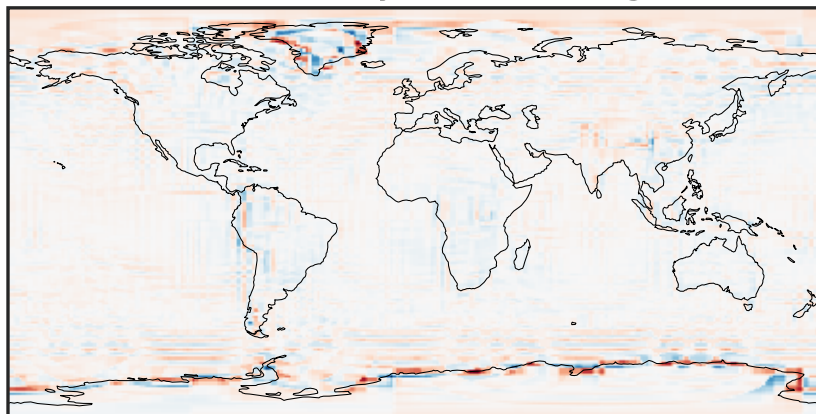
-0.0004 0.0000 0.0004  
s-1

Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



-6 0 6  
s-1 1e-5

Ratio (1x1.25)  
Dev/Ref, Dynamic Range



0.8237 0.9118 1.0000 1.1070 1.2140  
unitless

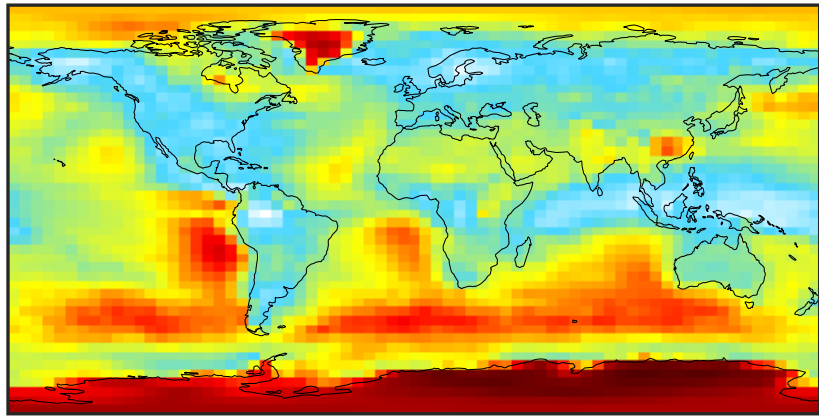
Ratio (1x1.25)  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

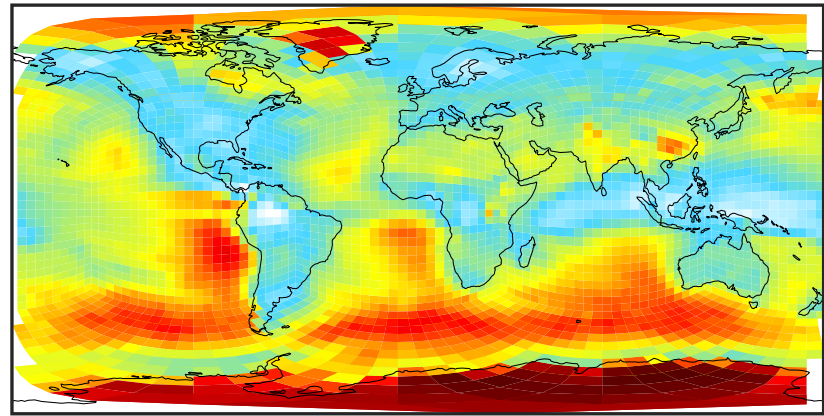
# Jval\_NO3 (AnnualMean)

GCC\_14.2.0 (Ref)  
4.0x5.0



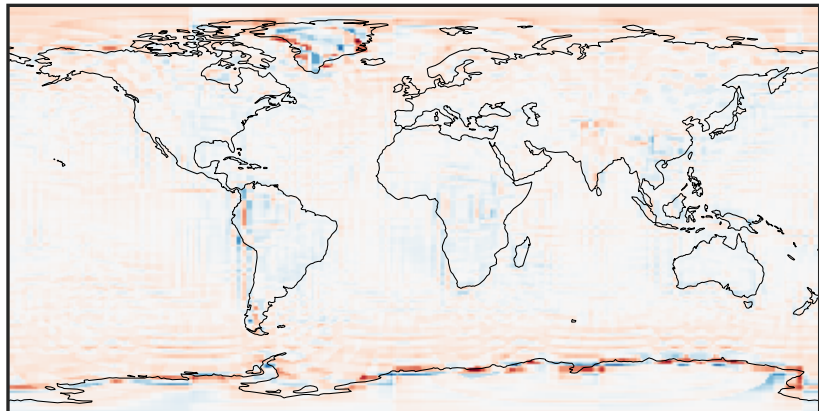
0.090 0.105 0.120 0.135  
s-1

GCHP\_14.2.0 (Dev)  
c24



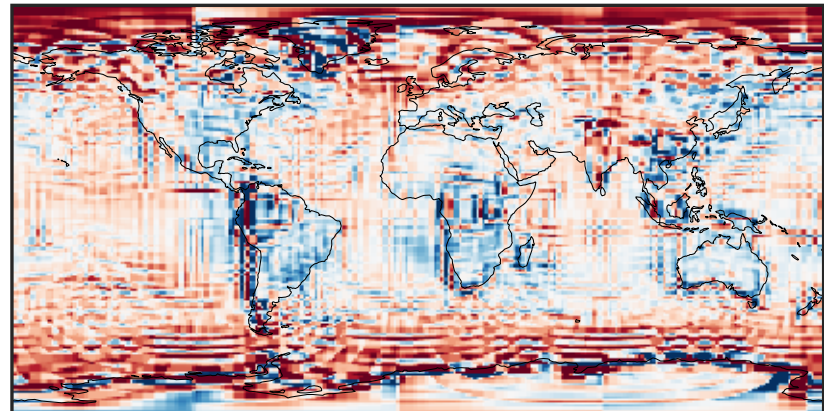
0.090 0.105 0.120 0.135  
s-1

Difference (1x1.25)  
Dev - Ref, Dynamic Range



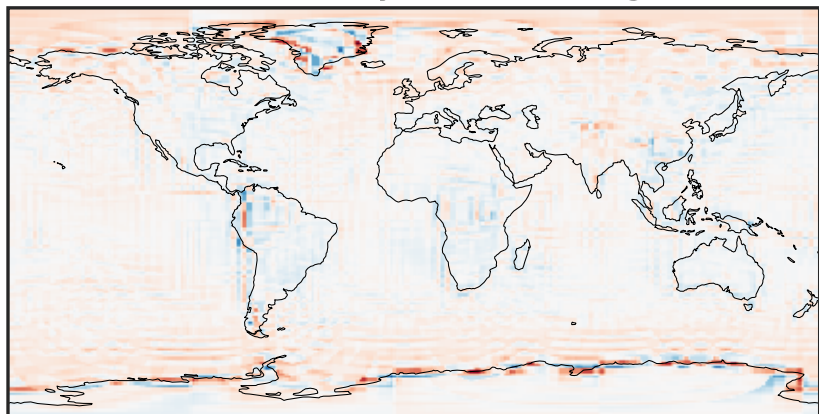
-0.015 0.000 0.015  
s-1

Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



-0.002 0.000 0.002  
s-1

Ratio (1x1.25)  
Dev/Ref, Dynamic Range



0.8248 0.9124 1.0000 1.1062 1.2124  
unitless

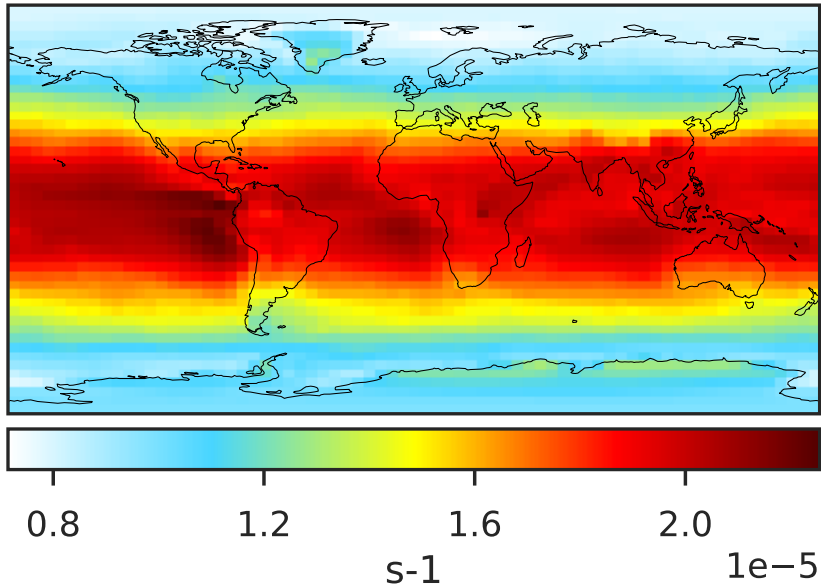
Ratio (1x1.25)  
Dev/Ref, Fixed Range



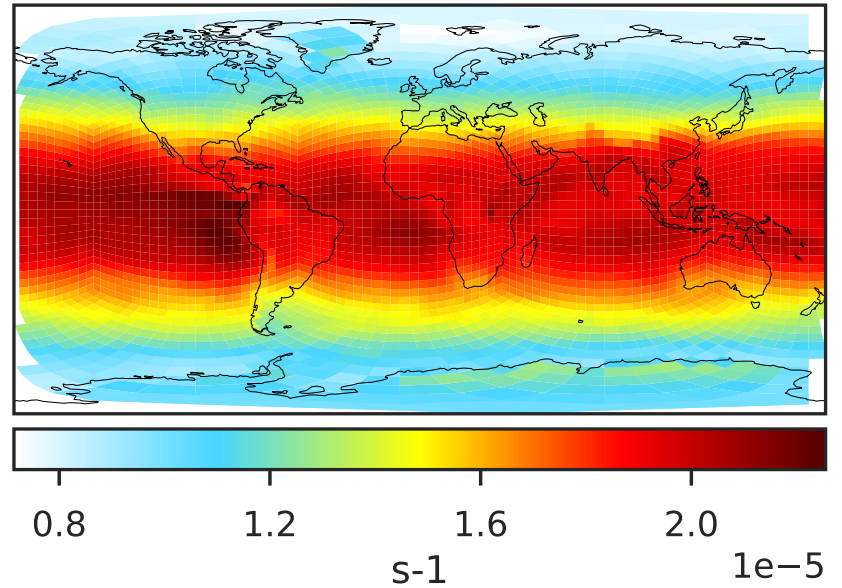
0.50 0.75 1.00 1.50 2.00  
unitless

# Jval\_NPHEN (AnnualMean)

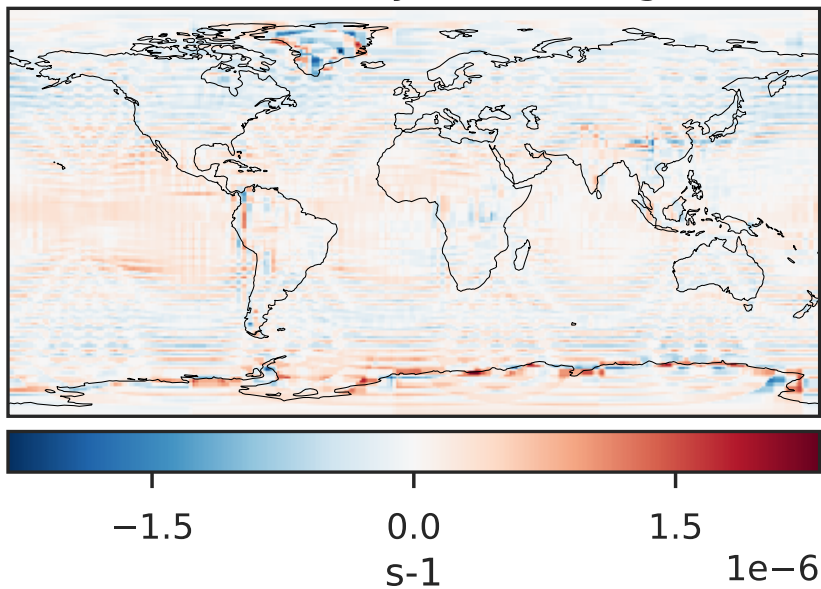
GCC\_14.2.0 (Ref)  
4.0x5.0



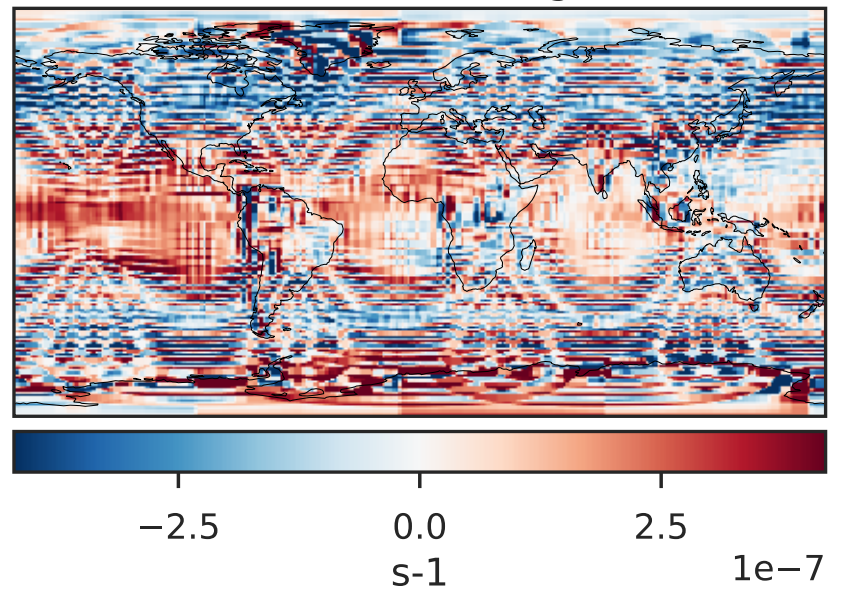
GCHP\_14.2.0 (Dev)  
c24



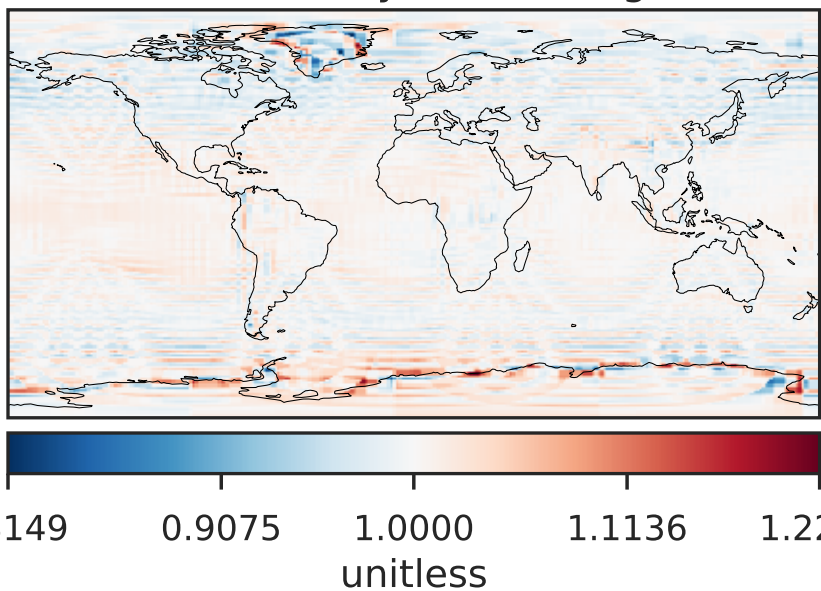
Difference (1x1.25)  
Dev - Ref, Dynamic Range



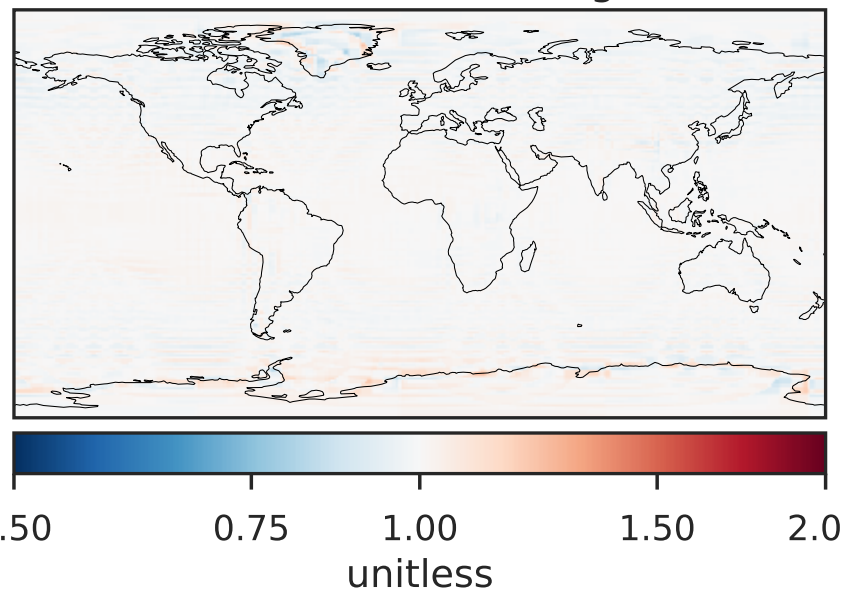
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)  
Dev/Ref, Dynamic Range



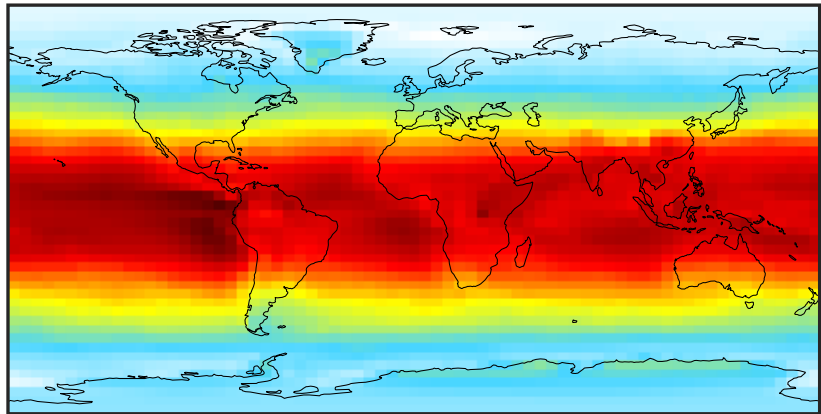
Ratio (1x1.25)  
Dev/Ref, Fixed Range





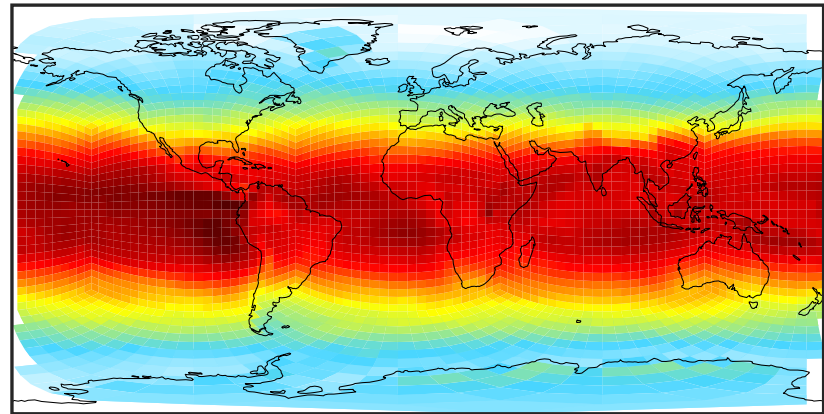
# Jval\_NPRNO3 (AnnualMean)

GCC\_14.2.0 (Ref)  
4.0x5.0



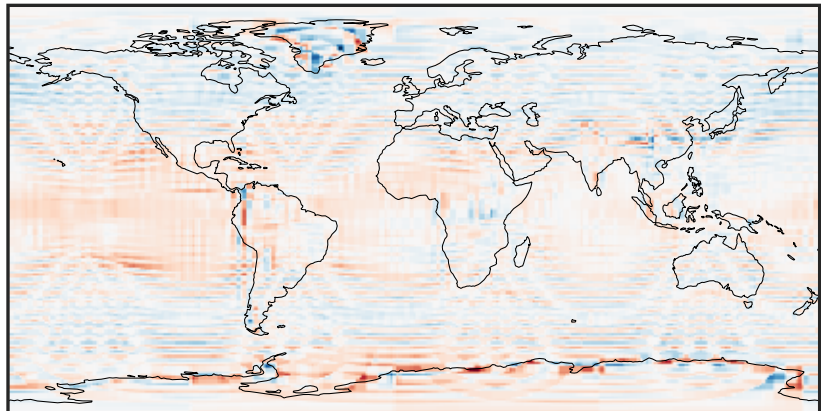
0.50 0.75 1.00 1.25  
s-1  $1e-6$

GCHP\_14.2.0 (Dev)  
c24



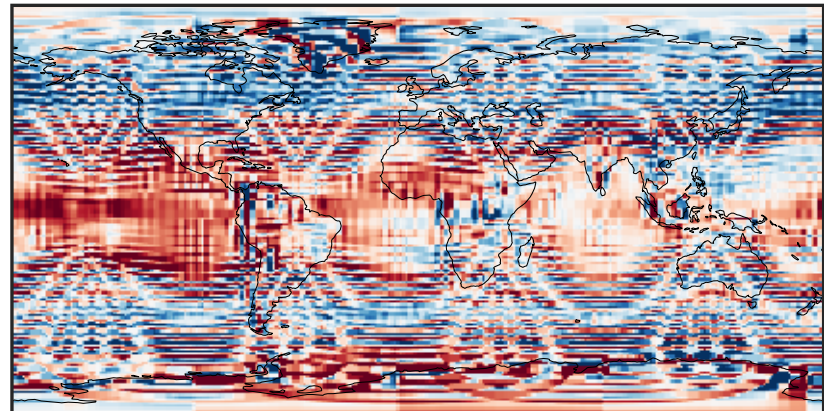
0.50 0.75 1.00 1.25  
s-1  $1e-6$

Difference (1x1.25)  
Dev - Ref, Dynamic Range



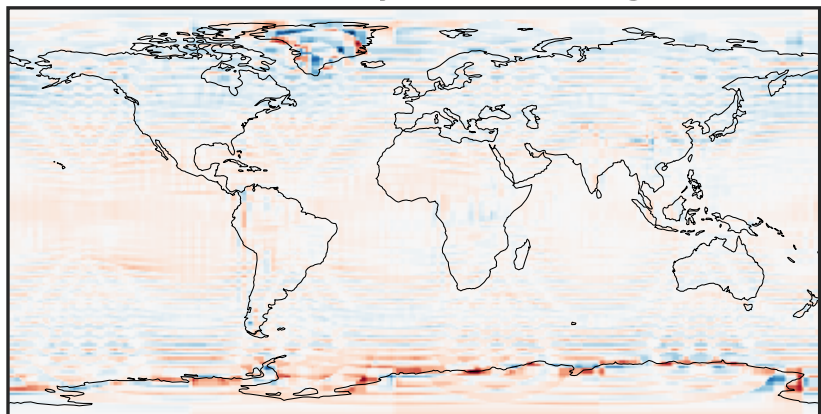
-8 0 8  
s-1  $1e-8$

Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



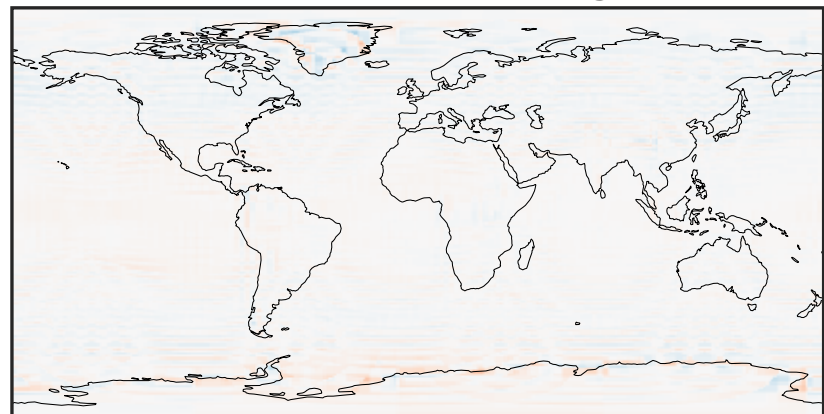
-1.5 0.0 1.5  
s-1  $1e-8$

Ratio (1x1.25)  
Dev/Ref, Dynamic Range



0.8143 0.9071 1.0000 1.1141 1.2281  
unitless

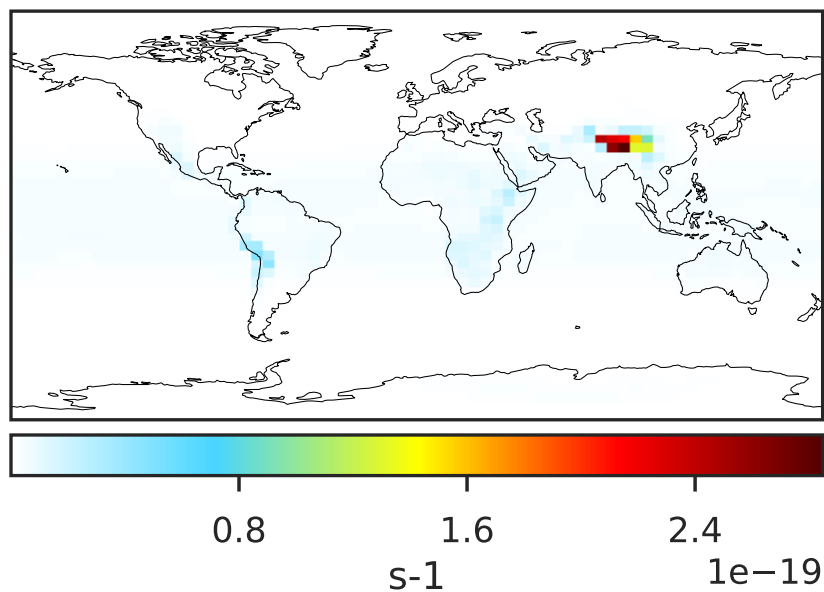
Ratio (1x1.25)  
Dev/Ref, Fixed Range



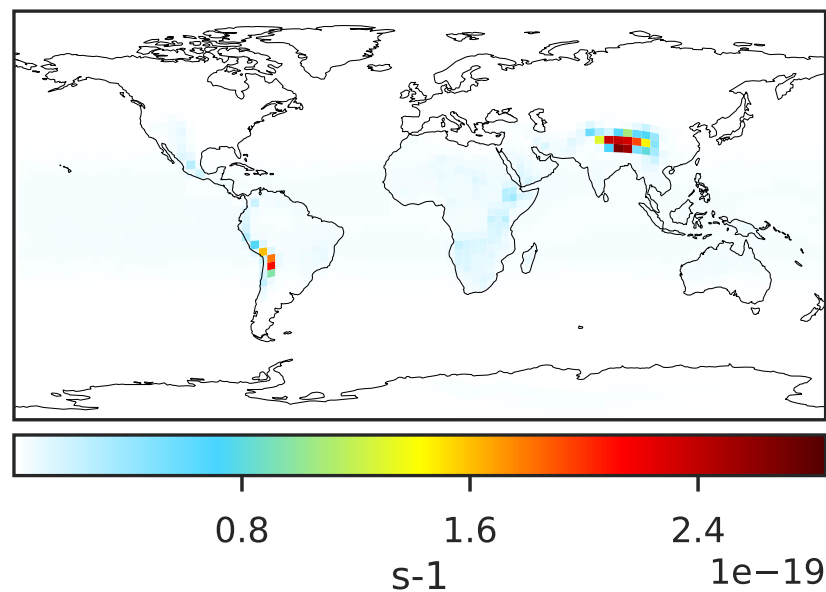
0.50 0.75 1.00 1.50 2.00  
unitless

# Jval\_O2 (AnnualMean)

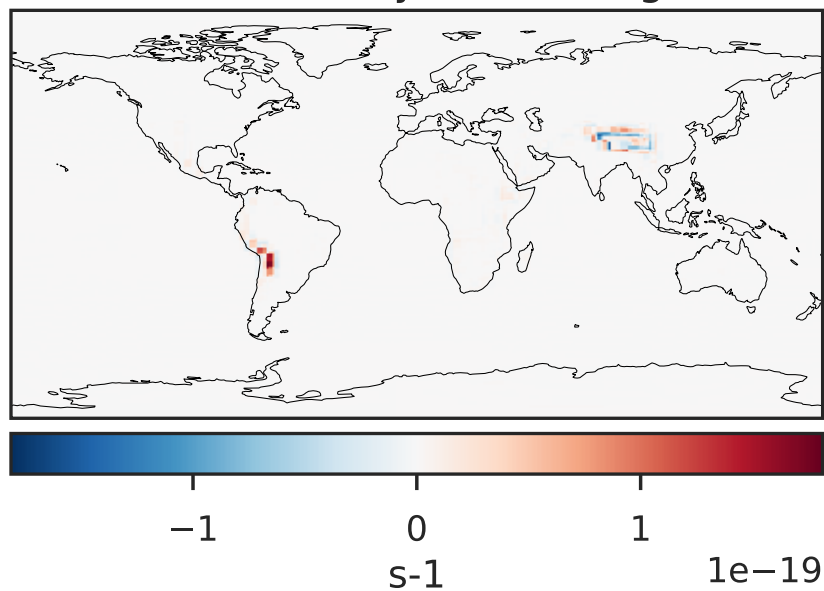
GCC\_14.2.0 (Ref)  
4.0x5.0



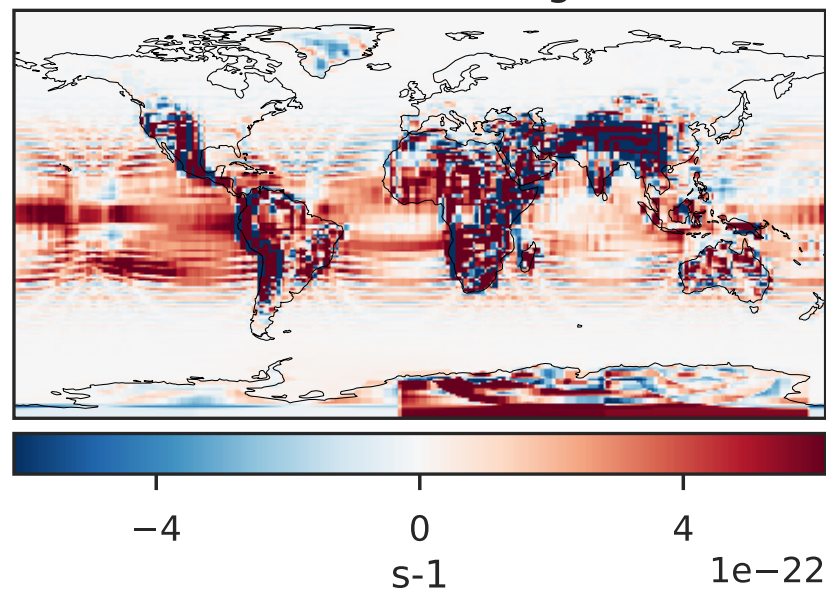
GCHP\_14.2.0 (Dev)  
c24



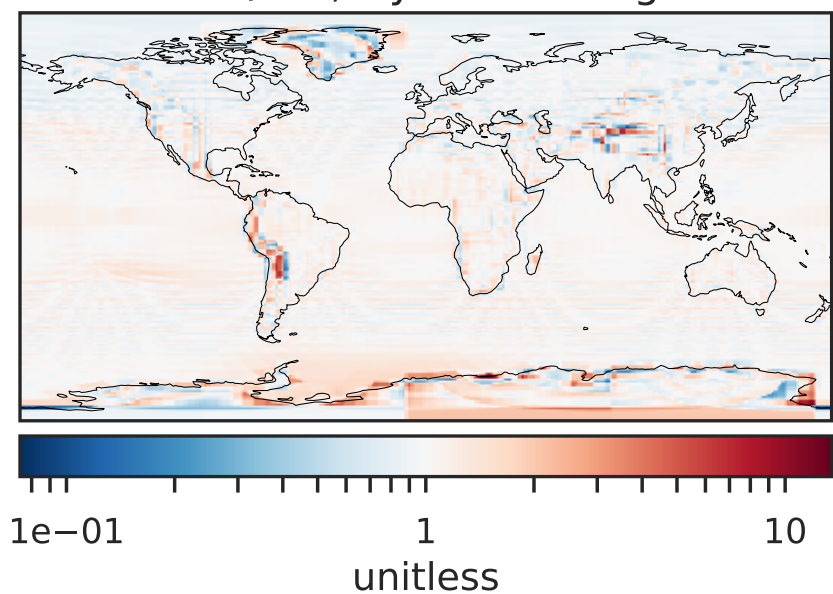
Difference (1x1.25)  
Dev - Ref, Dynamic Range



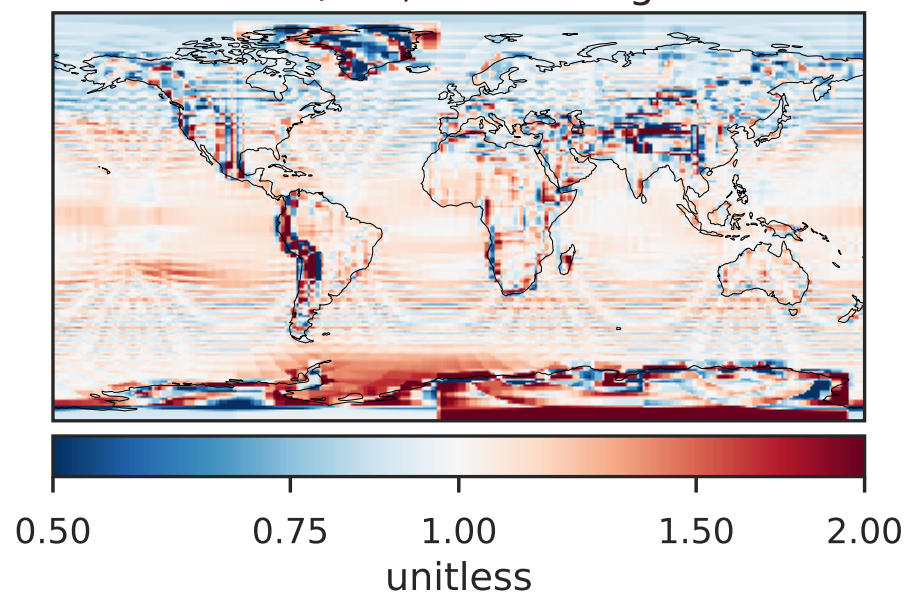
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)  
Dev/Ref, Dynamic Range

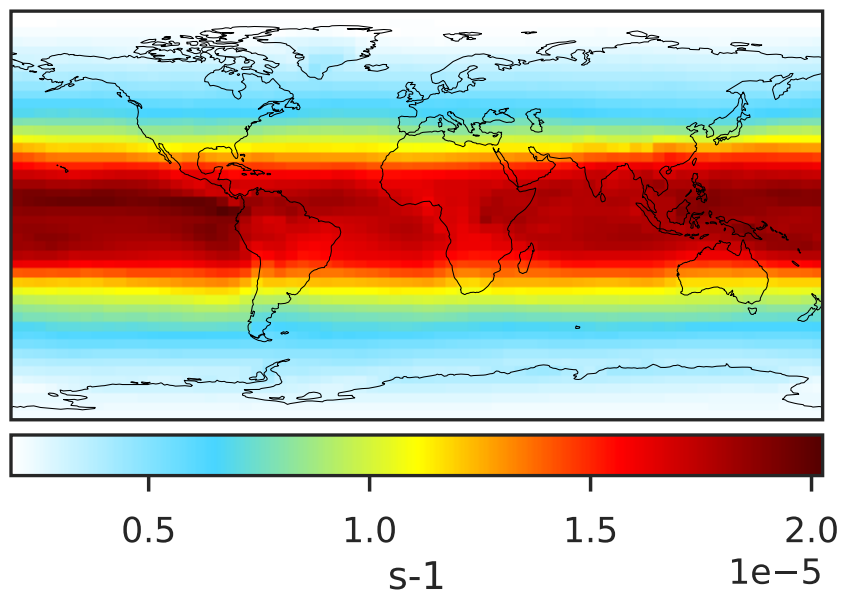


Ratio (1x1.25)  
Dev/Ref, Fixed Range

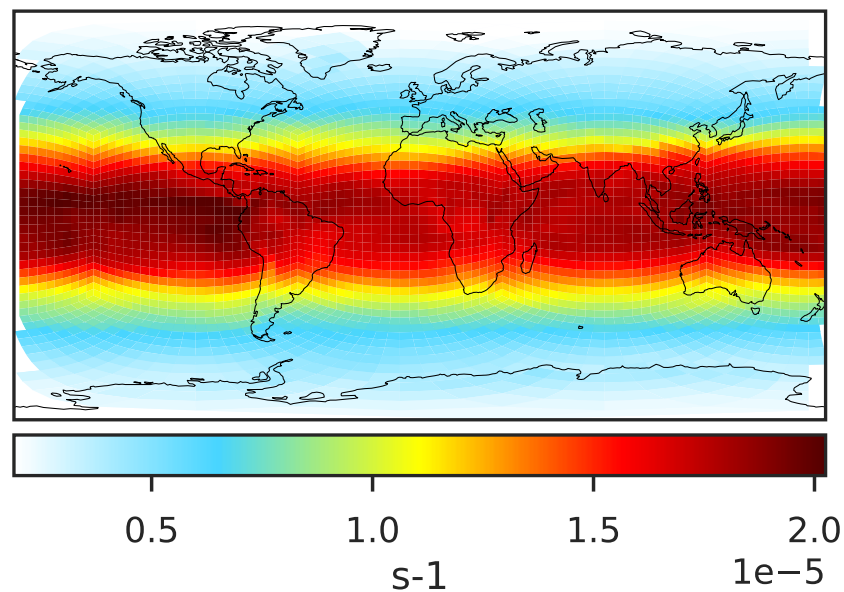


# Jval\_O3 (AnnualMean)

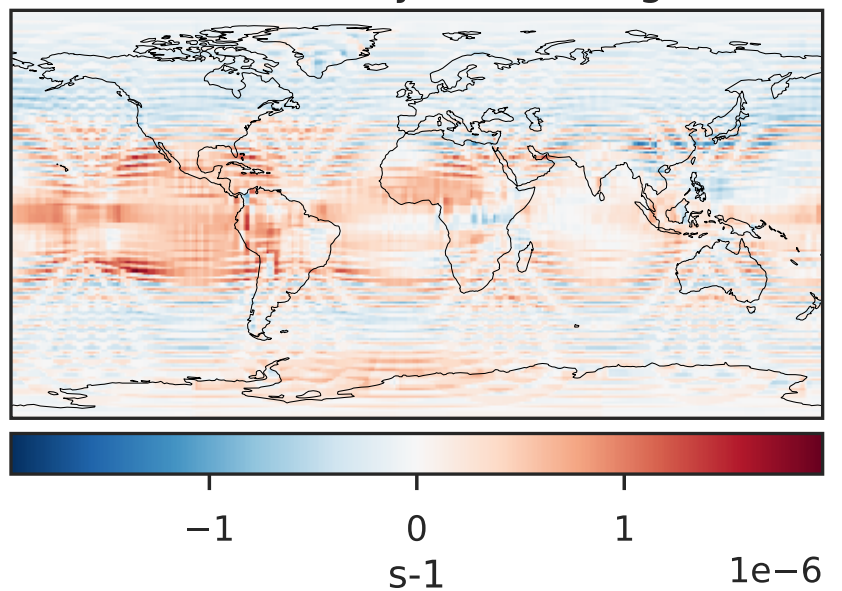
GCC\_14.2.0 (Ref)  
4.0x5.0



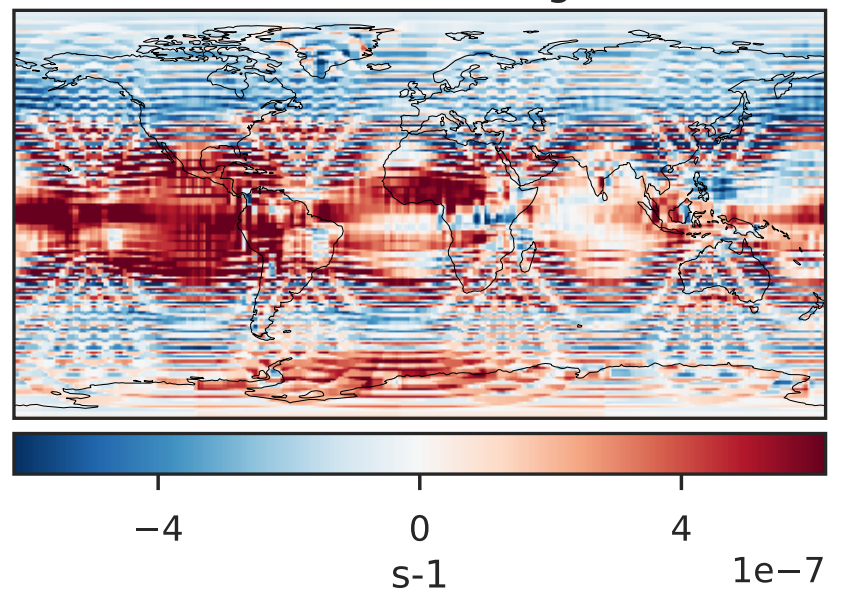
GCHP\_14.2.0 (Dev)  
c24



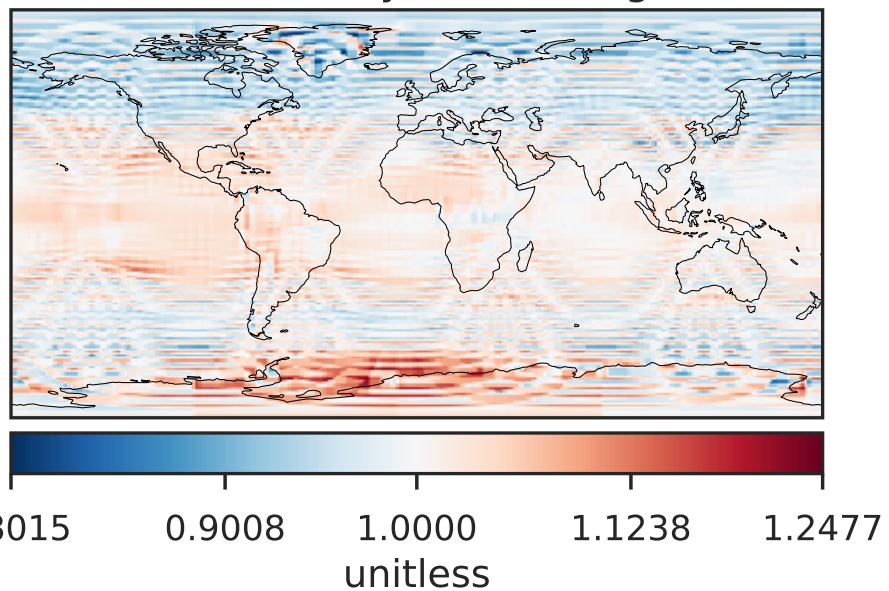
Difference (1x1.25)  
Dev - Ref, Dynamic Range



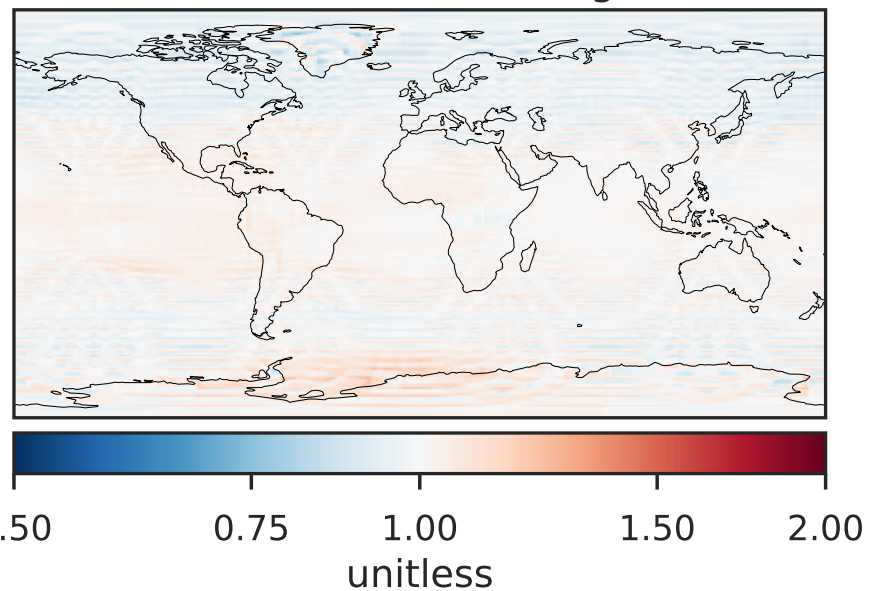
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)  
Dev/Ref, Dynamic Range

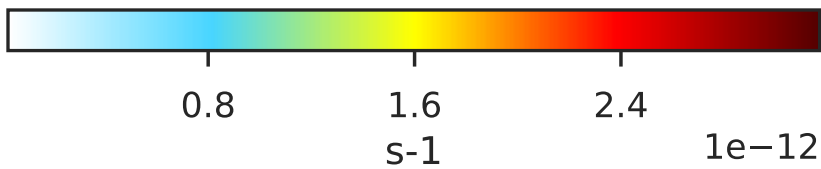
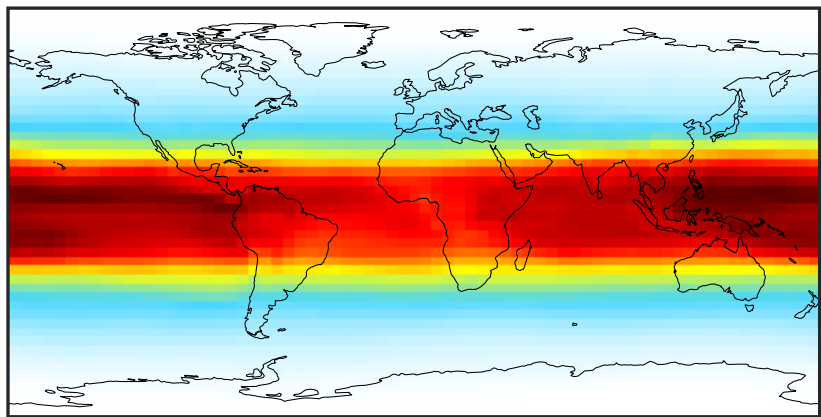


Ratio (1x1.25)  
Dev/Ref, Fixed Range

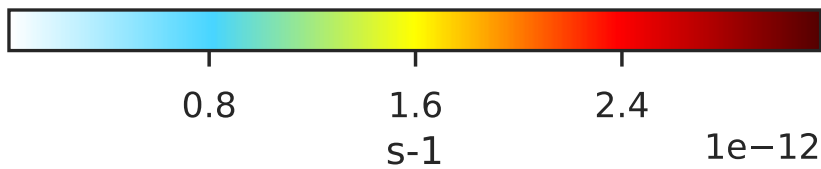
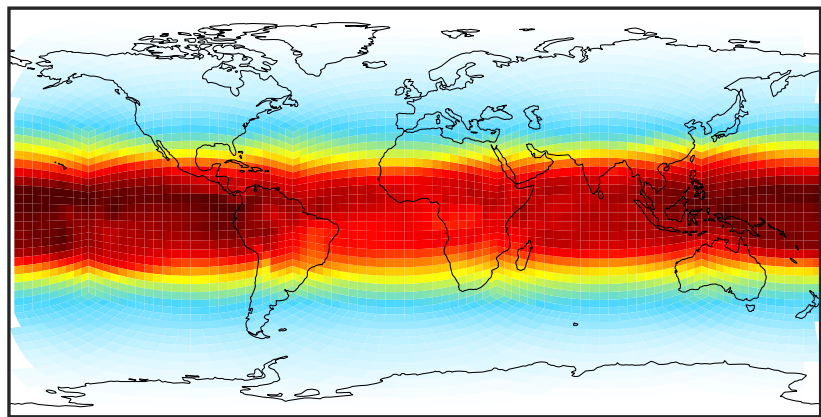


# Jval\_OCS (AnnualMean)

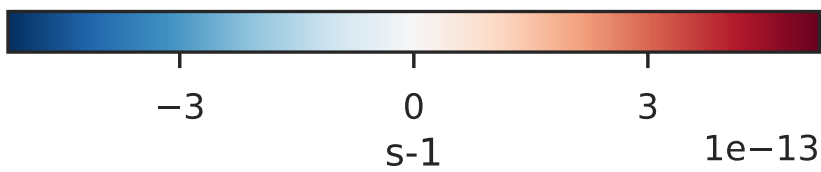
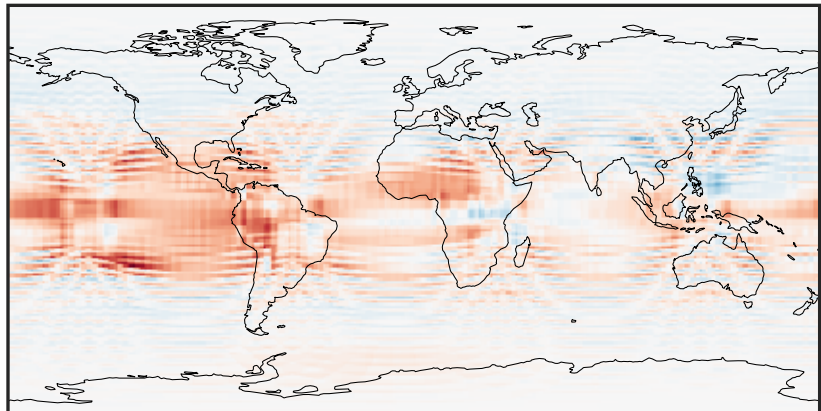
GCC\_14.2.0 (Ref)  
4.0x5.0



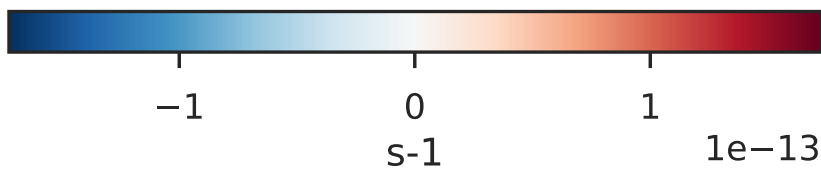
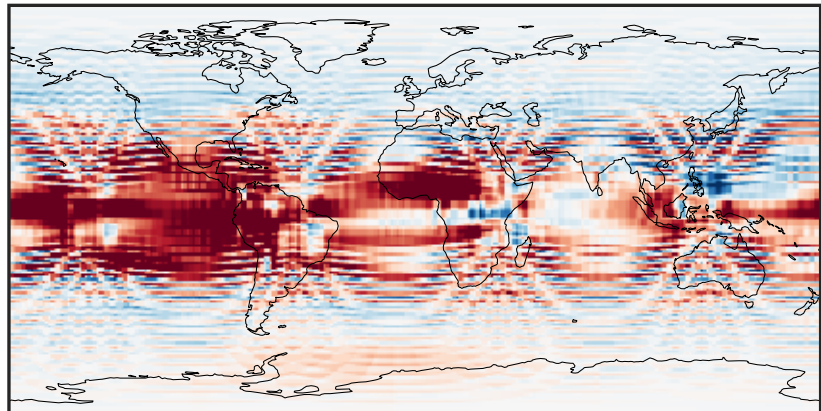
GCHP\_14.2.0 (Dev)  
c24



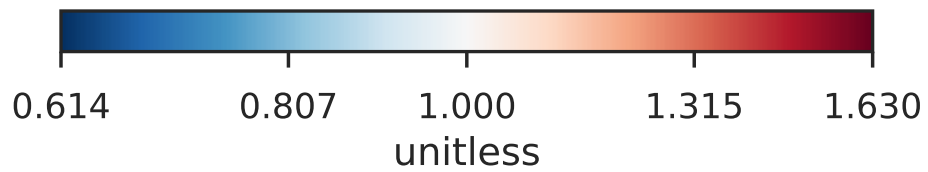
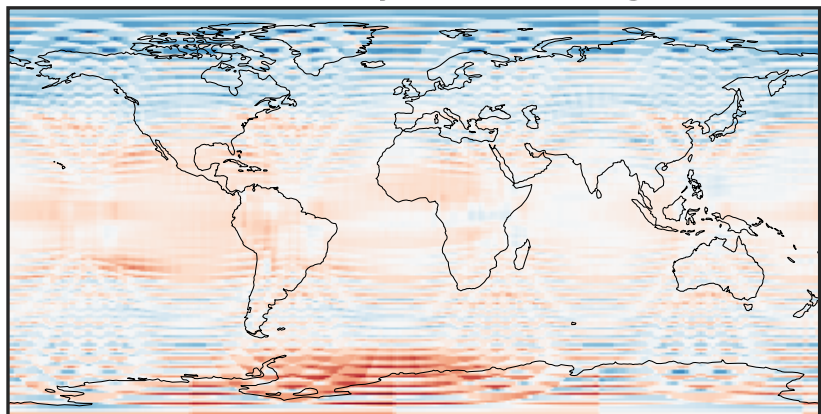
Difference (1x1.25)  
Dev - Ref, Dynamic Range



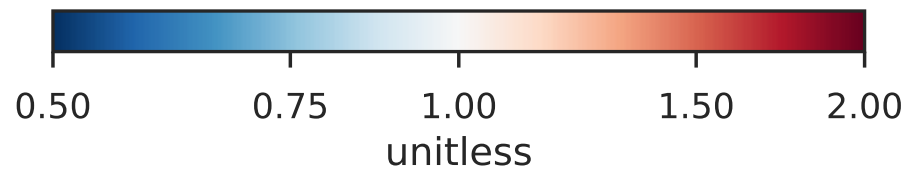
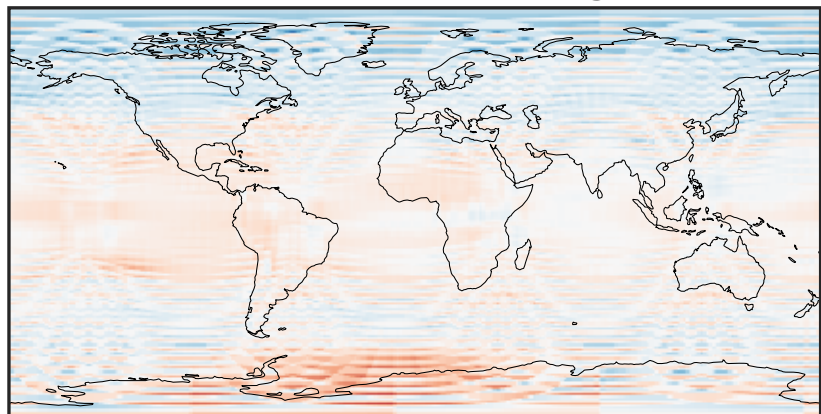
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)  
Dev/Ref, Dynamic Range

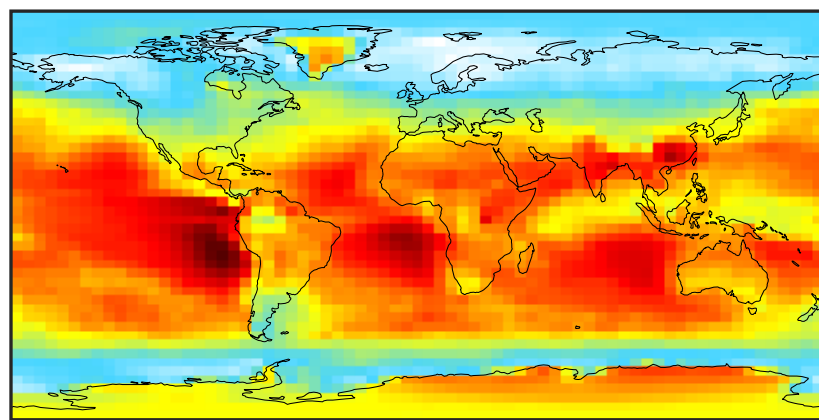


Ratio (1x1.25)  
Dev/Ref, Fixed Range



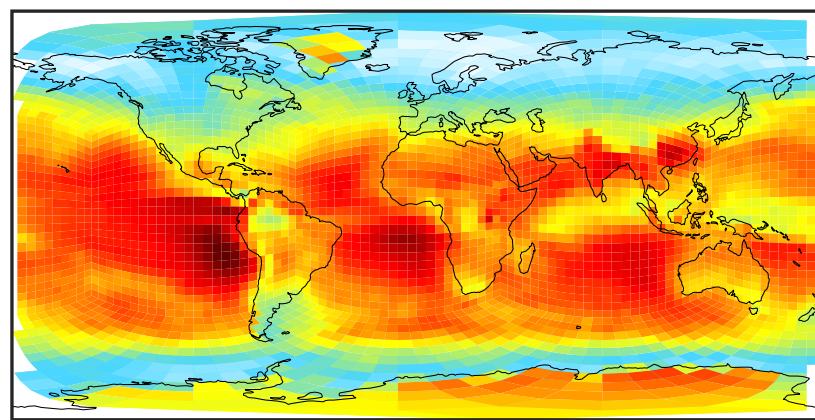
# Jval\_OCIO (AnnualMean)

GCC\_14.2.0 (Ref)  
4.0x5.0



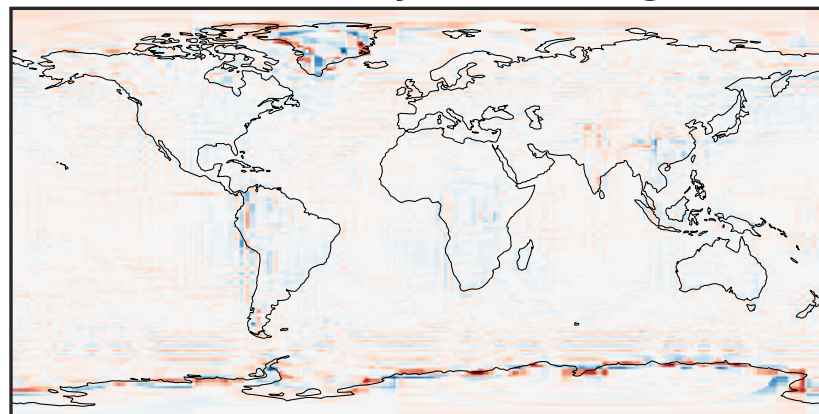
0.030 0.036 0.042 0.048  
s-1

GCHP\_14.2.0 (Dev)  
c24



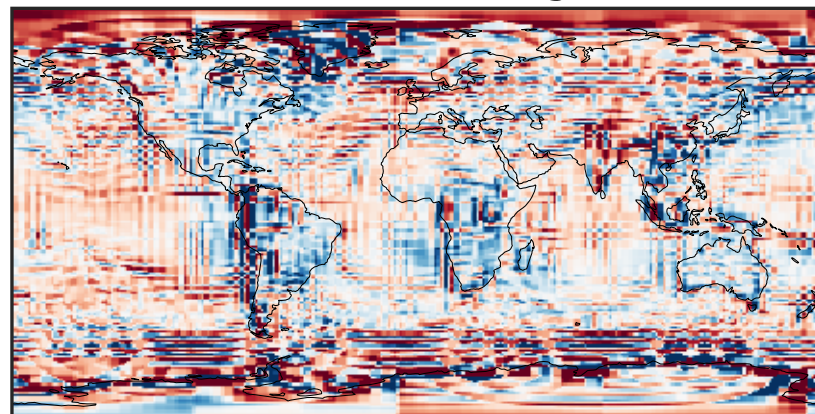
0.030 0.036 0.042 0.048  
s-1

Difference (1x1.25)  
Dev - Ref, Dynamic Range



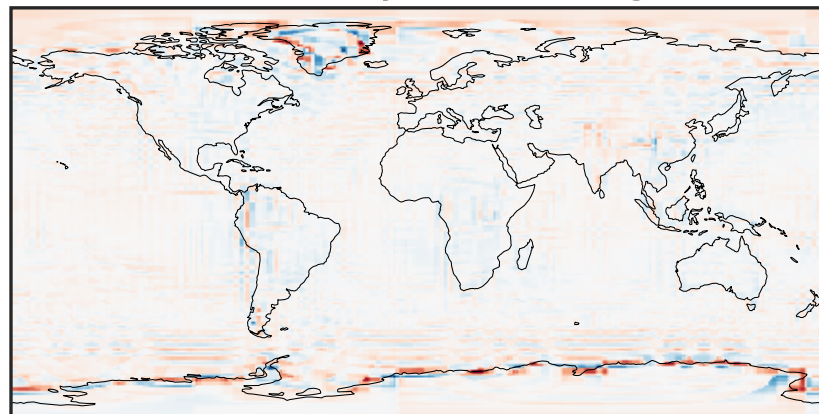
-0.004 0.000 0.004  
s-1

Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



-0.0006 0.0000 0.0006  
s-1

Ratio (1x1.25)  
Dev/Ref, Dynamic Range



0.8215 0.9107 1.0000 1.1087 1.2173  
unitless

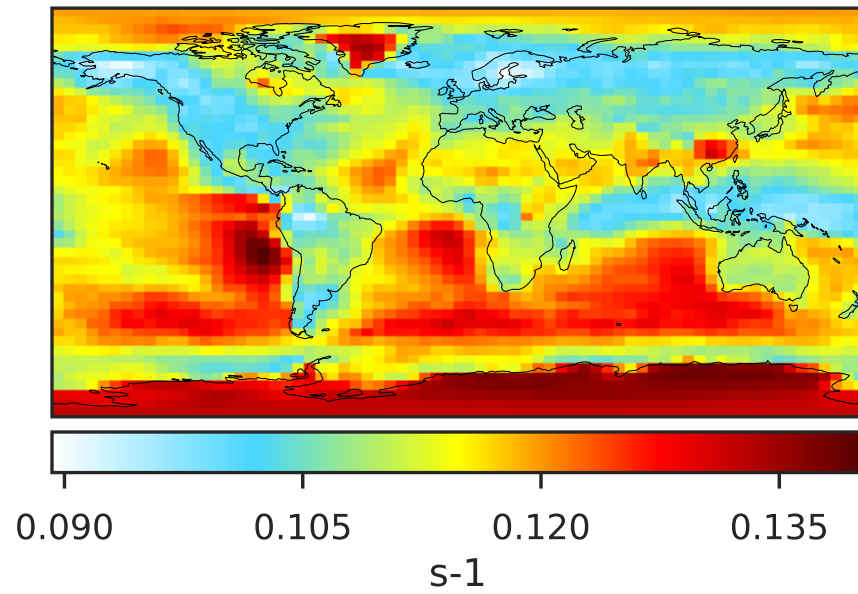
Ratio (1x1.25)  
Dev/Ref, Fixed Range



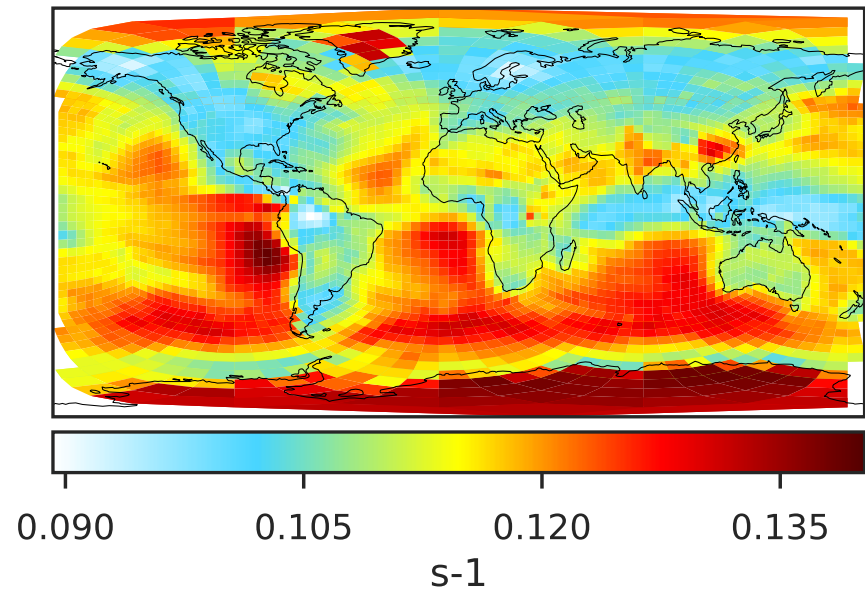
0.50 0.75 1.00 1.50 2.00  
unitless

# Jval\_OIO (AnnualMean)

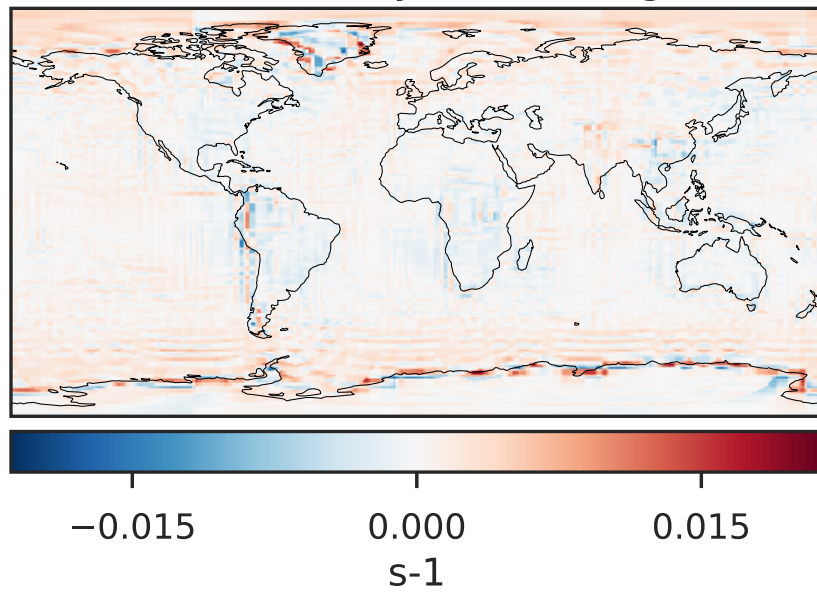
GCC\_14.2.0 (Ref)  
4.0x5.0



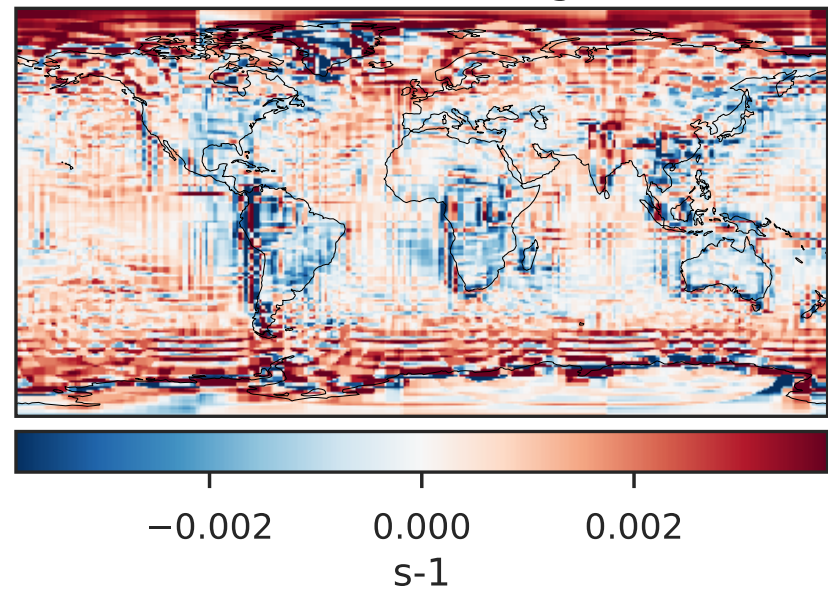
GCHP\_14.2.0 (Dev)  
c24



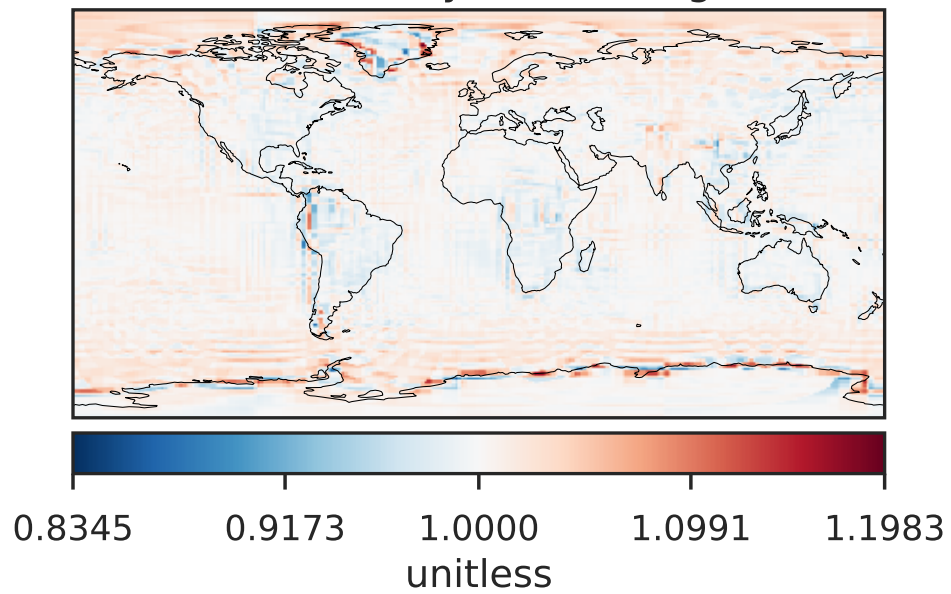
Difference (1x1.25)  
Dev - Ref, Dynamic Range



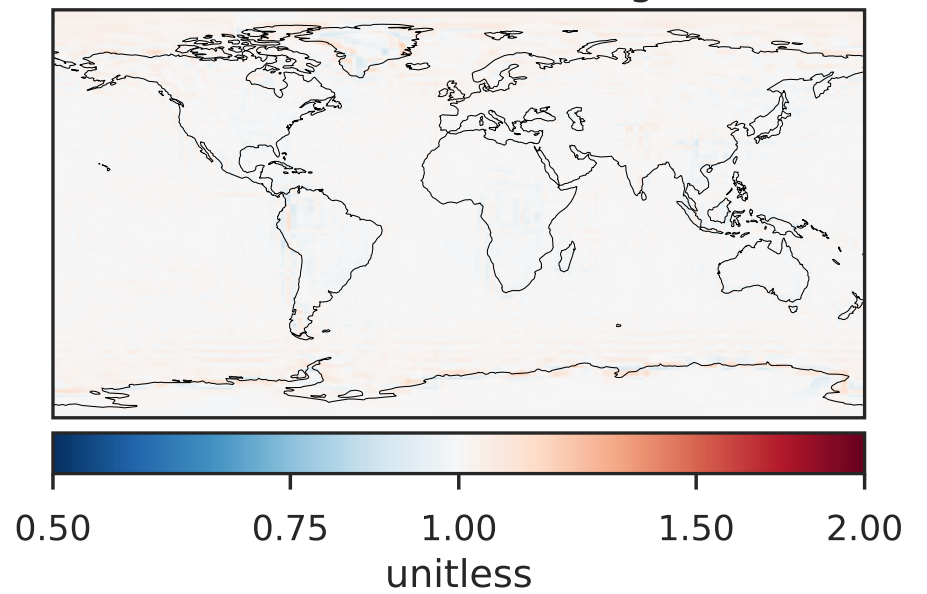
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)  
Dev/Ref, Dynamic Range

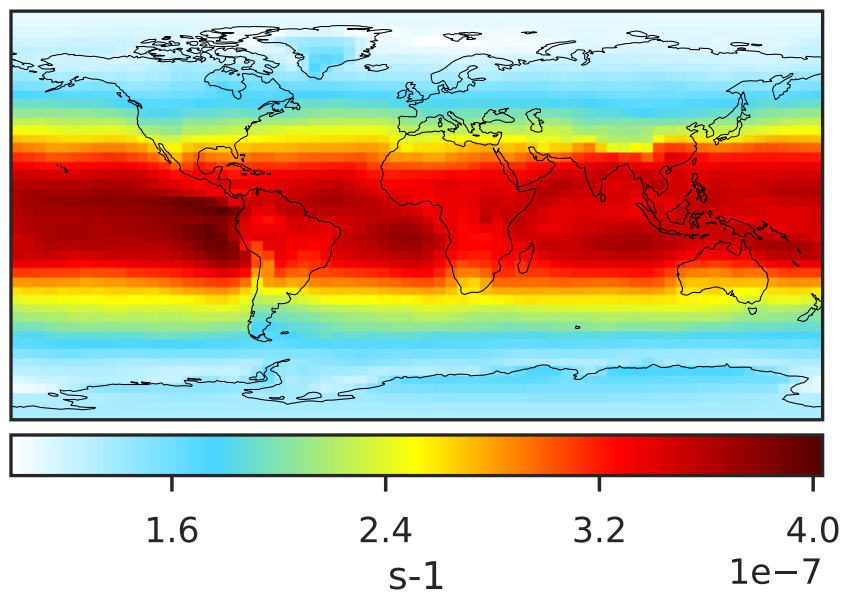


Ratio (1x1.25)  
Dev/Ref, Fixed Range

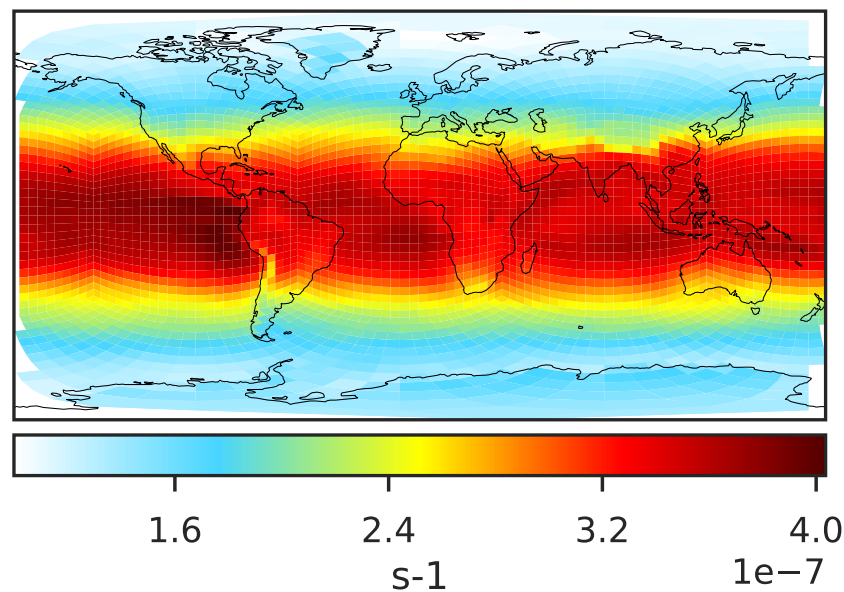


# Jval\_PAN (AnnualMean)

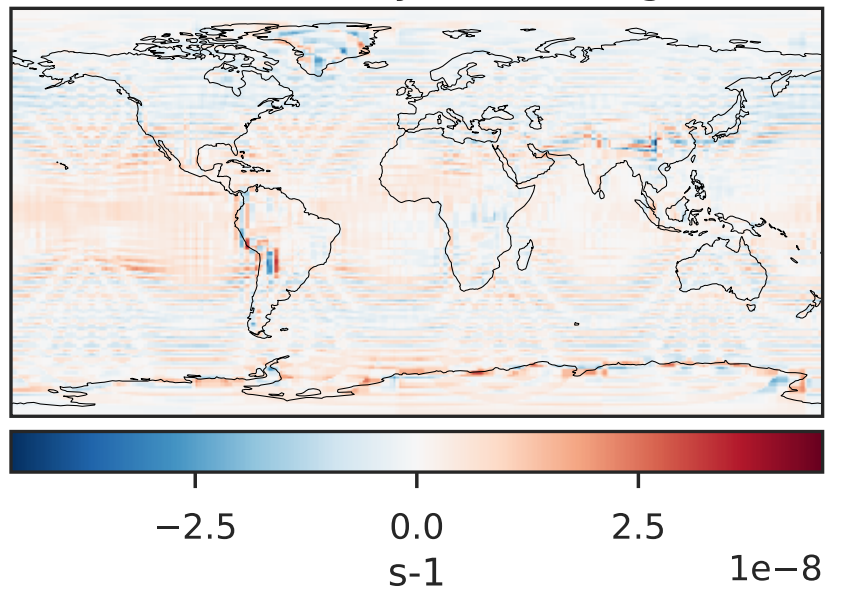
GCC\_14.2.0 (Ref)  
4.0x5.0



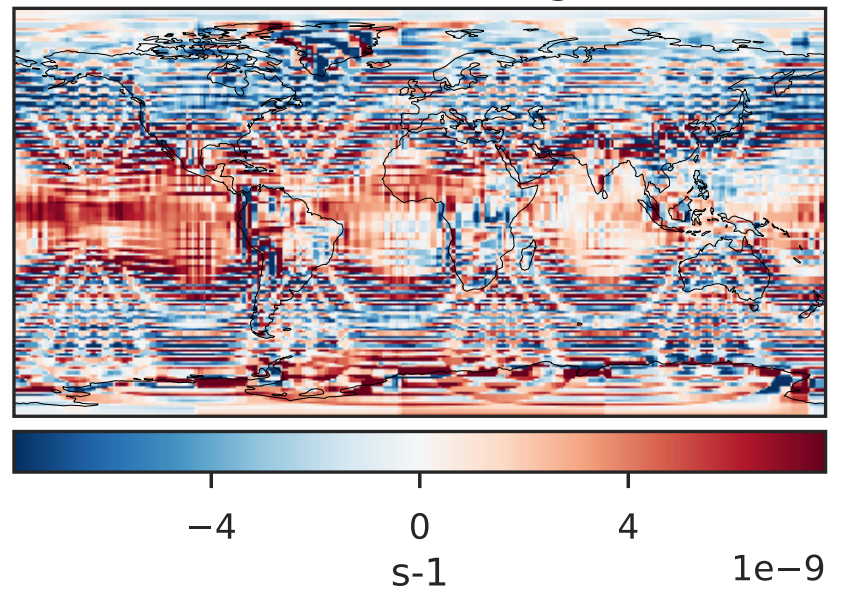
GCHP\_14.2.0 (Dev)  
c24



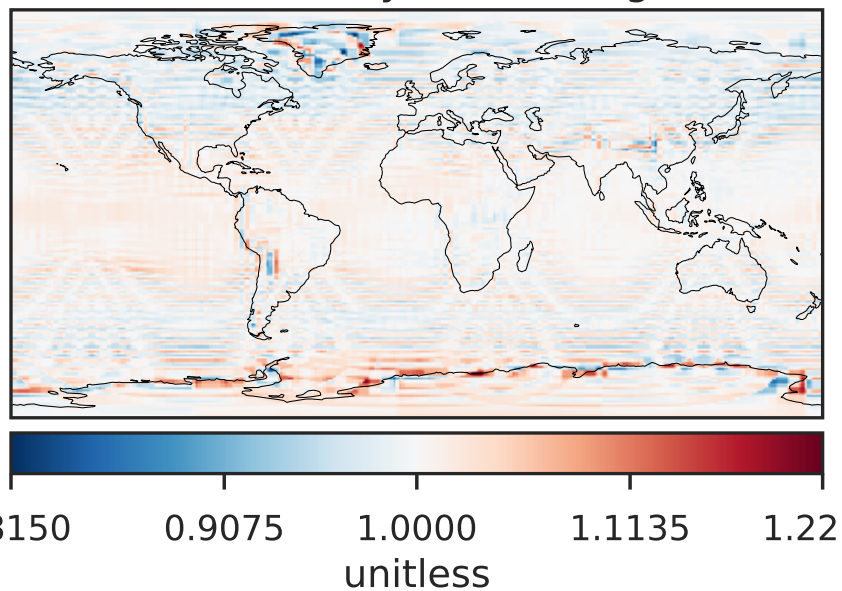
Difference (1x1.25)  
Dev - Ref, Dynamic Range



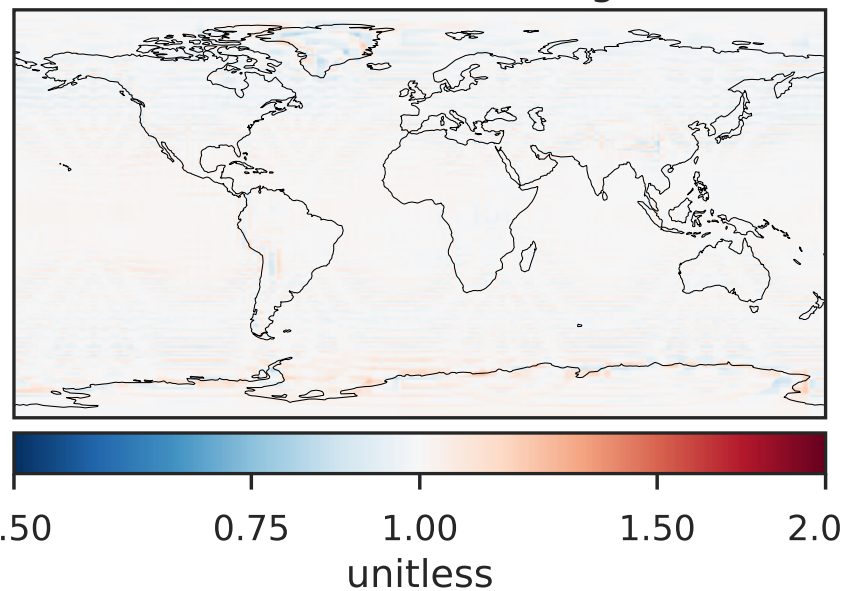
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)  
Dev/Ref, Dynamic Range

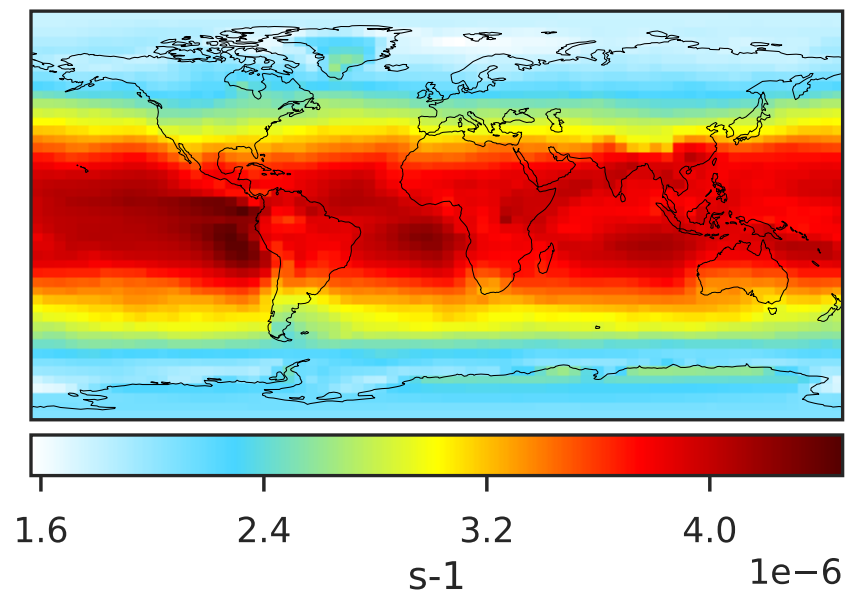


Ratio (1x1.25)  
Dev/Ref, Fixed Range

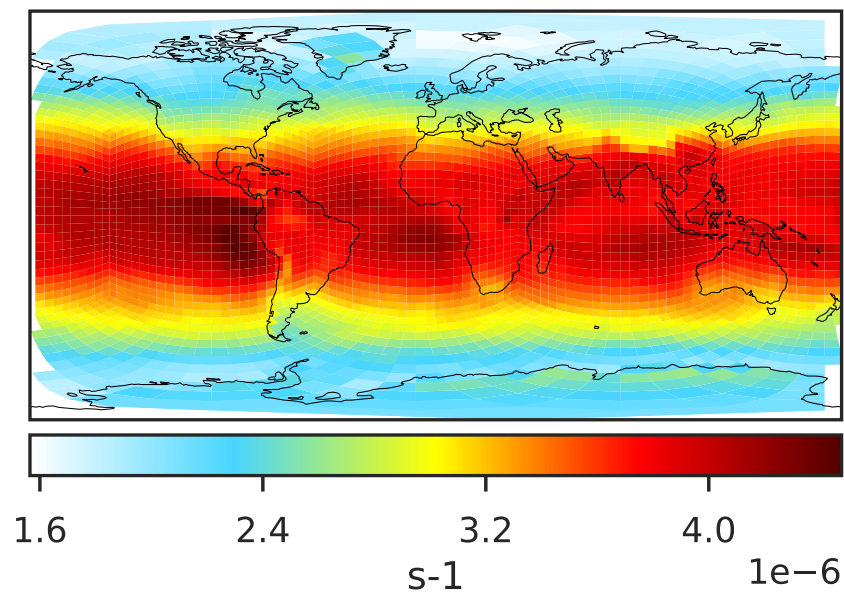


# Jval\_PIP (AnnualMean)

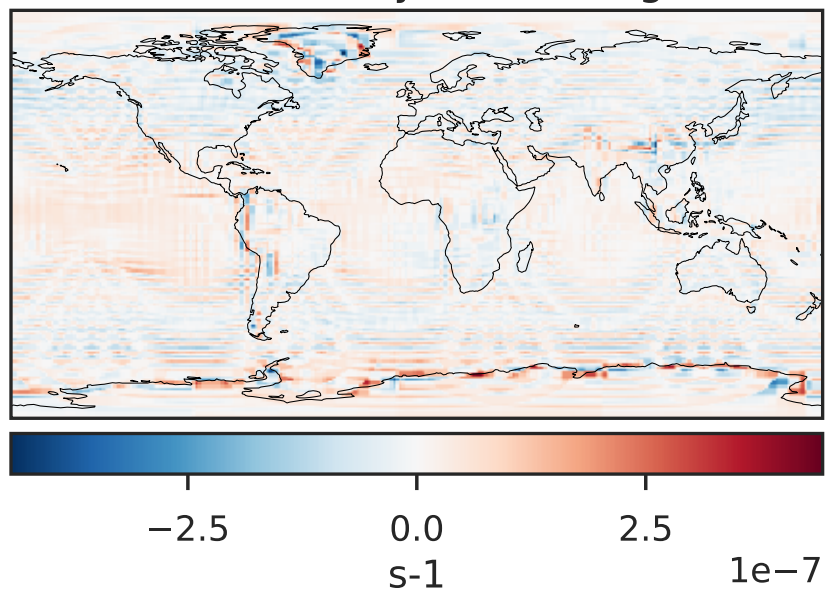
GCC\_14.2.0 (Ref)  
4.0x5.0



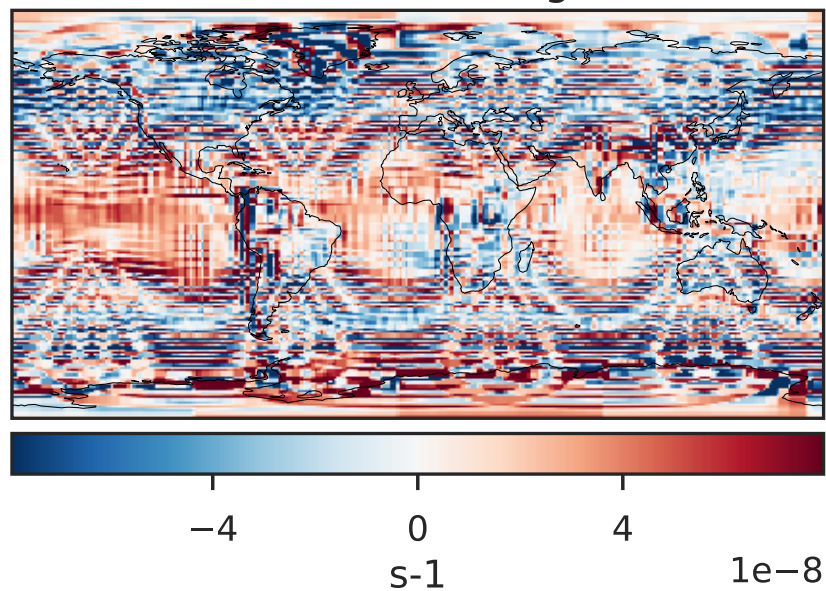
GCHP\_14.2.0 (Dev)  
c24



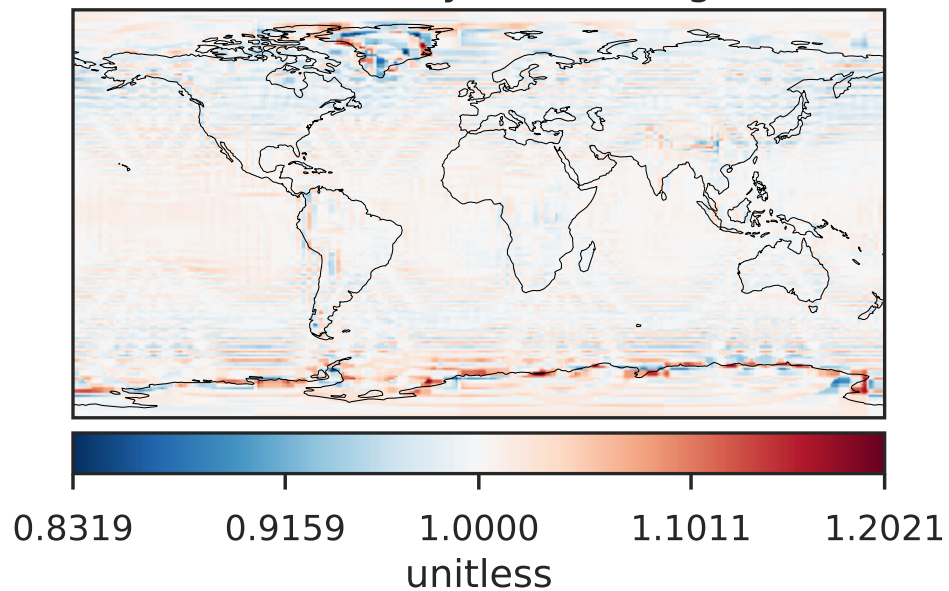
Difference (1x1.25)  
Dev - Ref, Dynamic Range



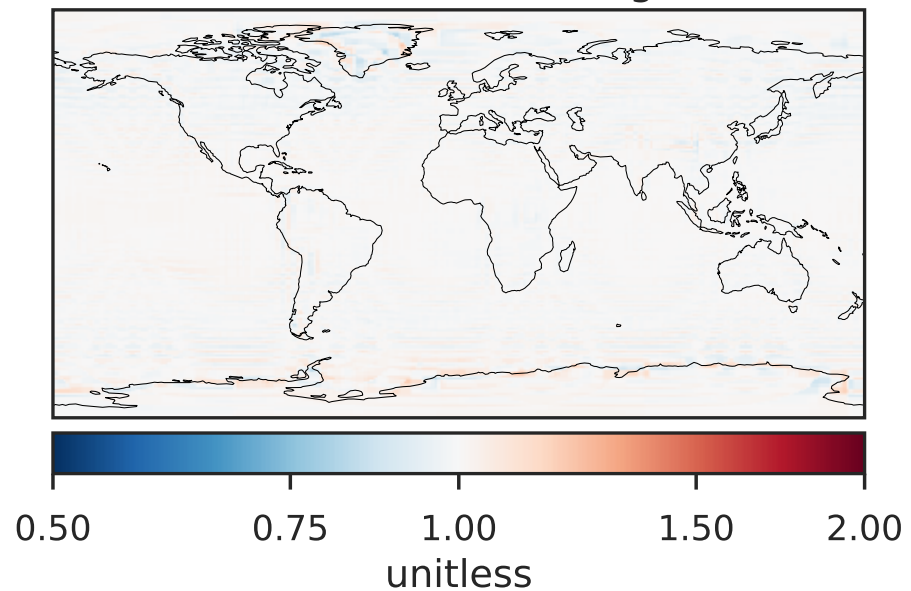
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)  
Dev/Ref, Dynamic Range



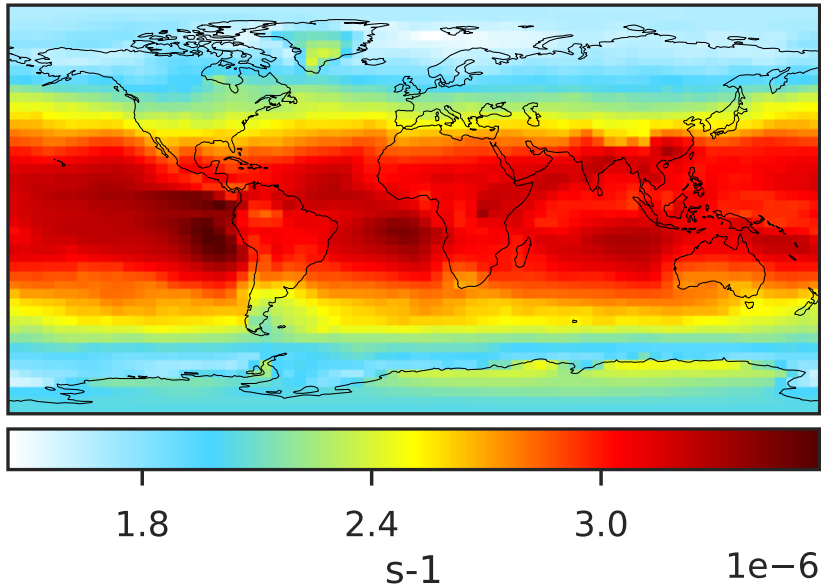
Ratio (1x1.25)  
Dev/Ref, Fixed Range



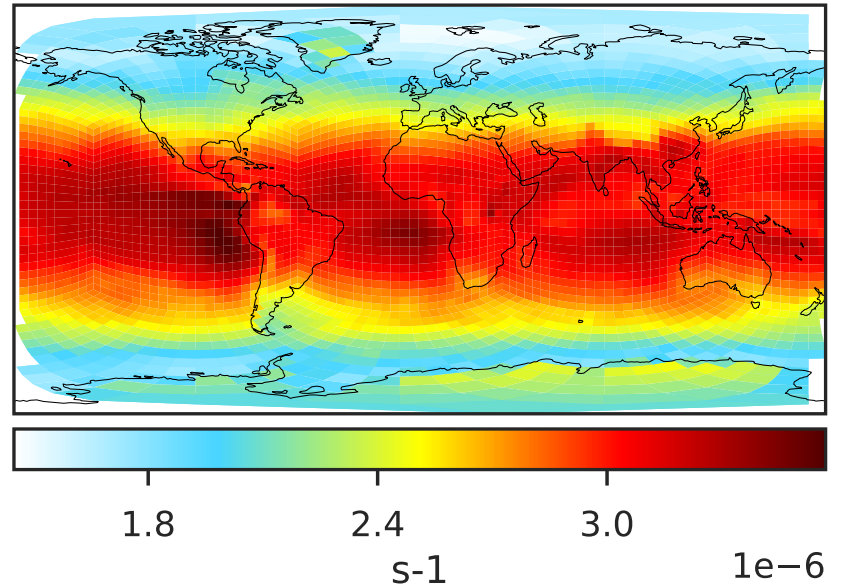


# Jval\_PP (AnnualMean)

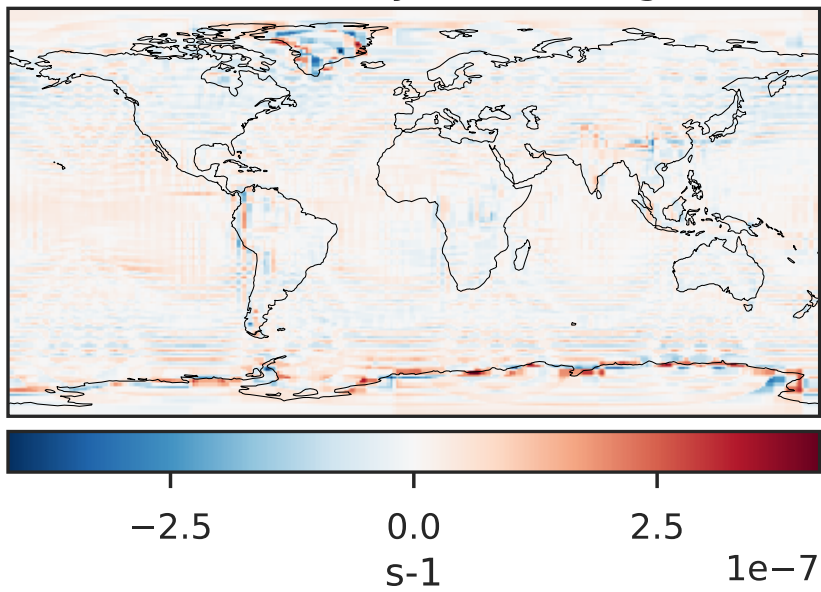
GCC\_14.2.0 (Ref)  
4.0x5.0



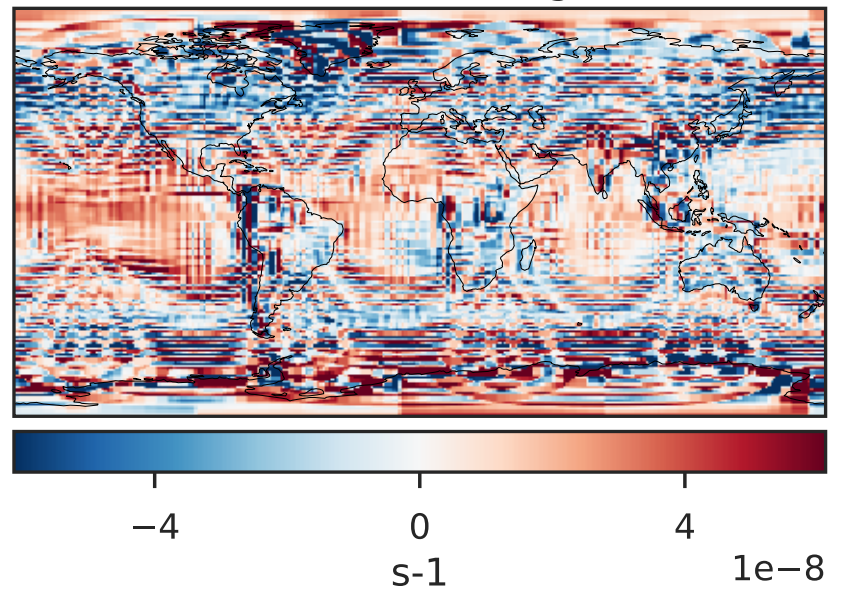
GCHP\_14.2.0 (Dev)  
c24



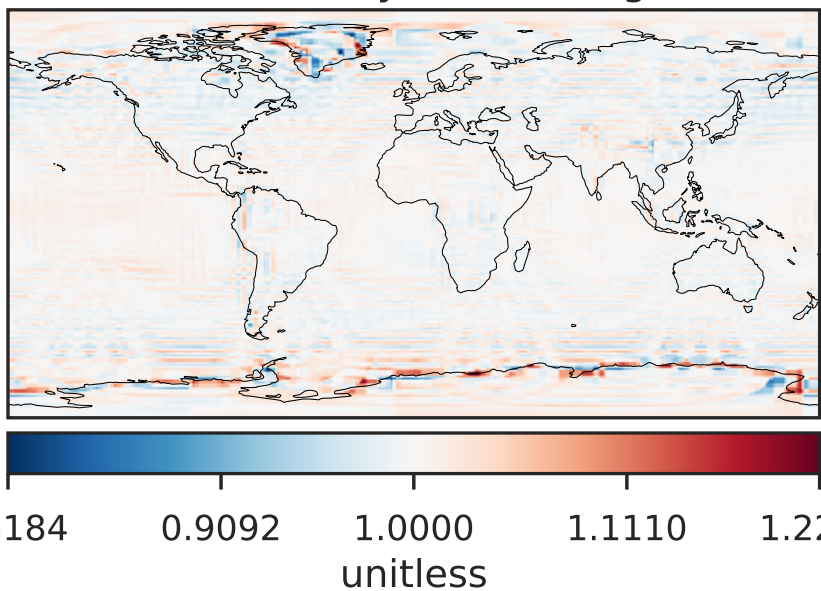
Difference (1x1.25)  
Dev - Ref, Dynamic Range



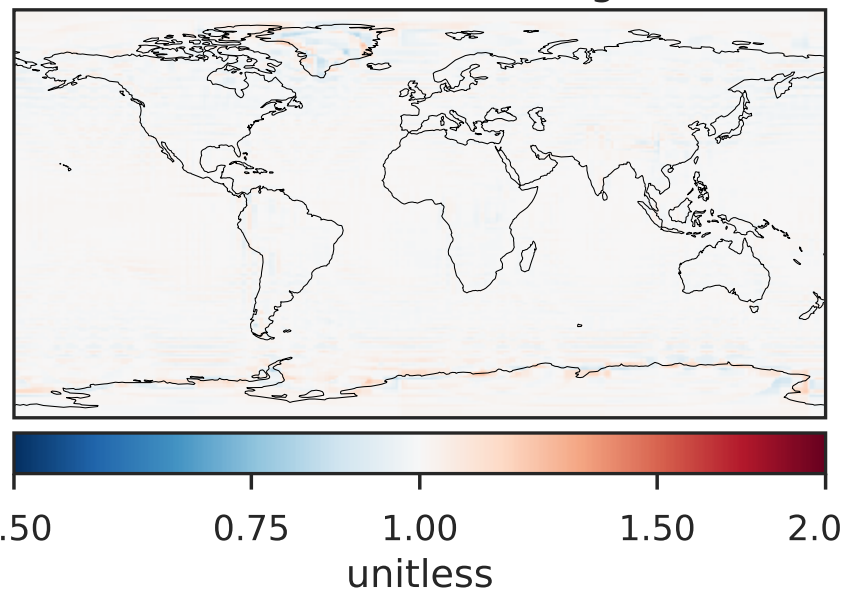
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)  
Dev/Ref, Dynamic Range



Ratio (1x1.25)  
Dev/Ref, Fixed Range

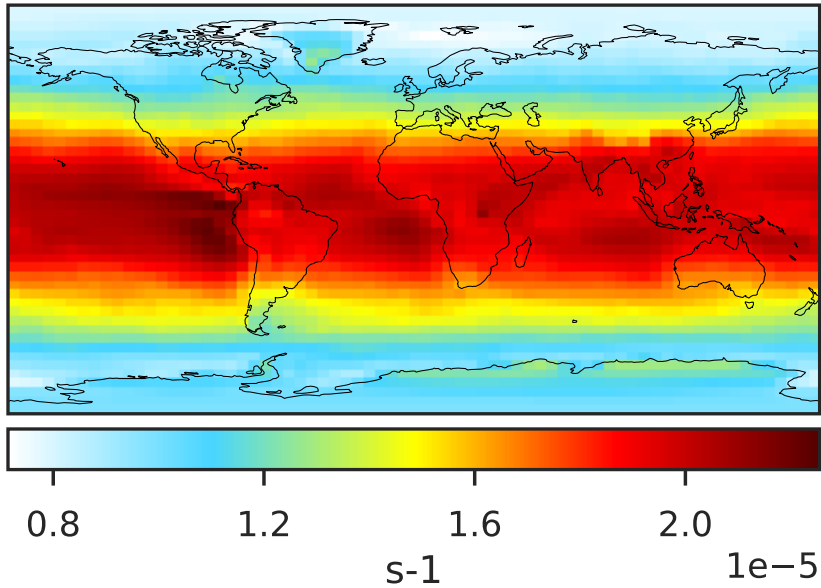


0.8184 0.9092 1.0000 1.1110 1.2219  
unitless

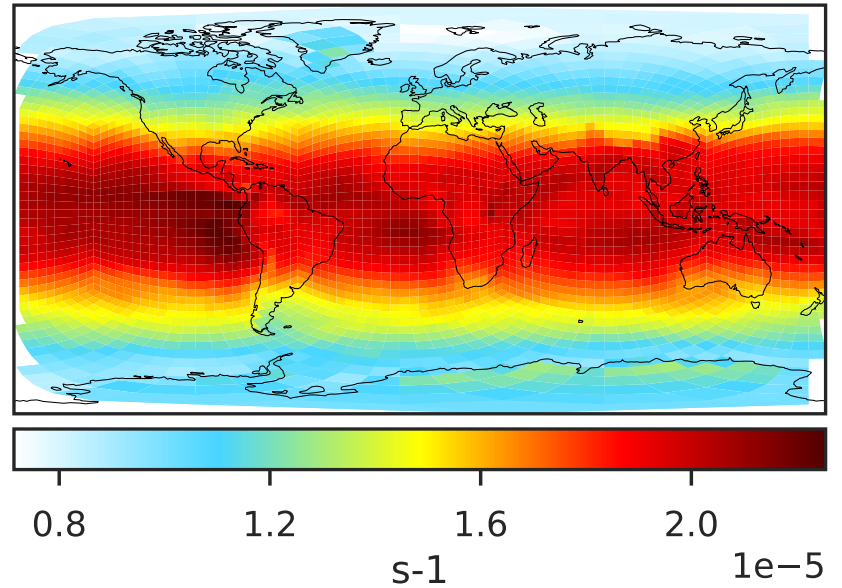
0.50 0.75 1.00 1.50 2.00  
unitless

# Jval\_PROPNN (AnnualMean)

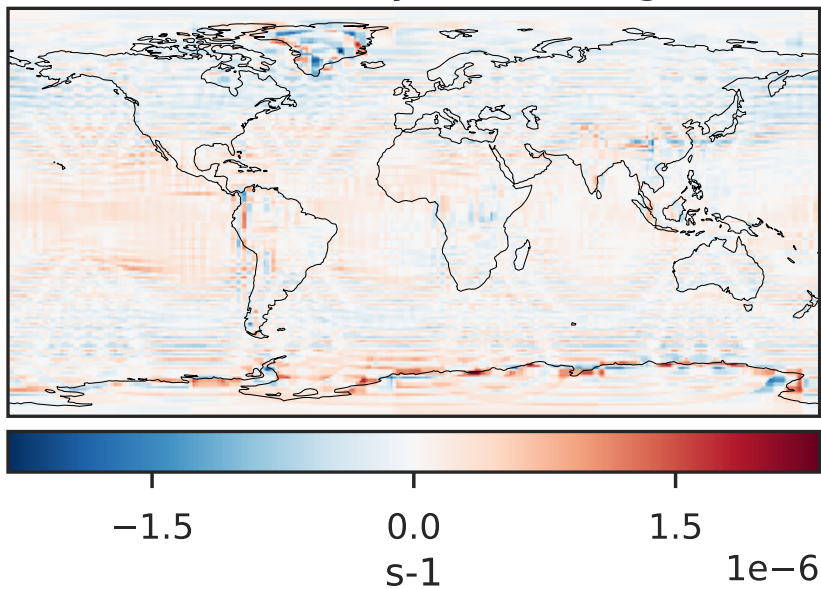
GCC\_14.2.0 (Ref)  
4.0x5.0



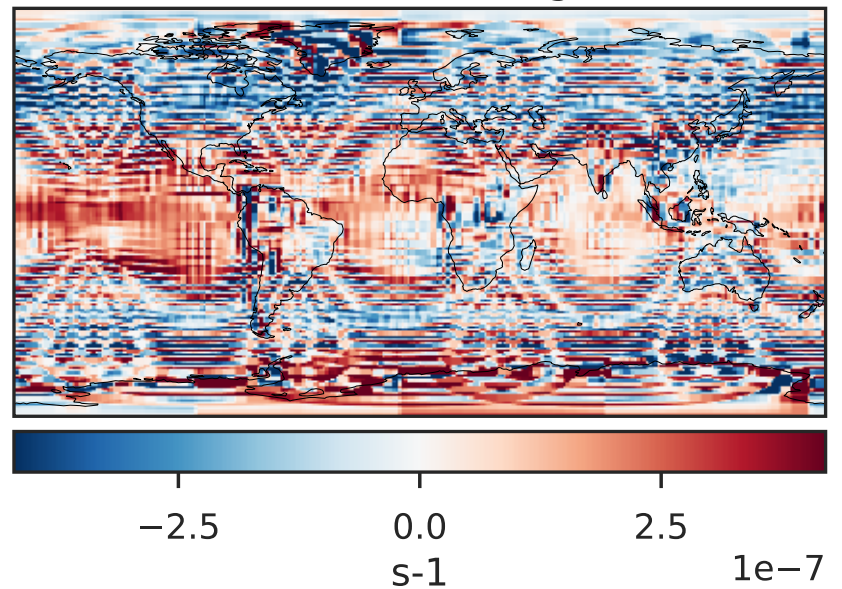
GCHP\_14.2.0 (Dev)  
c24



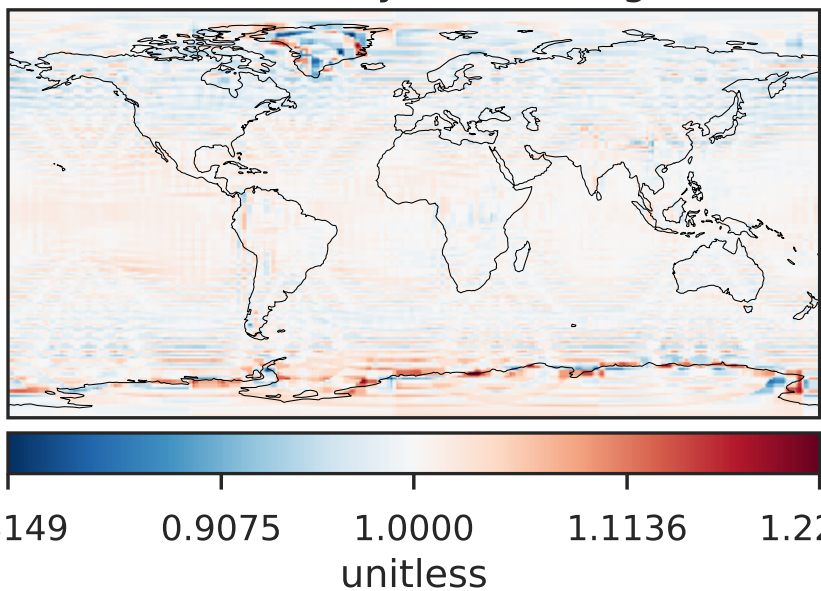
Difference (1x1.25)  
Dev - Ref, Dynamic Range



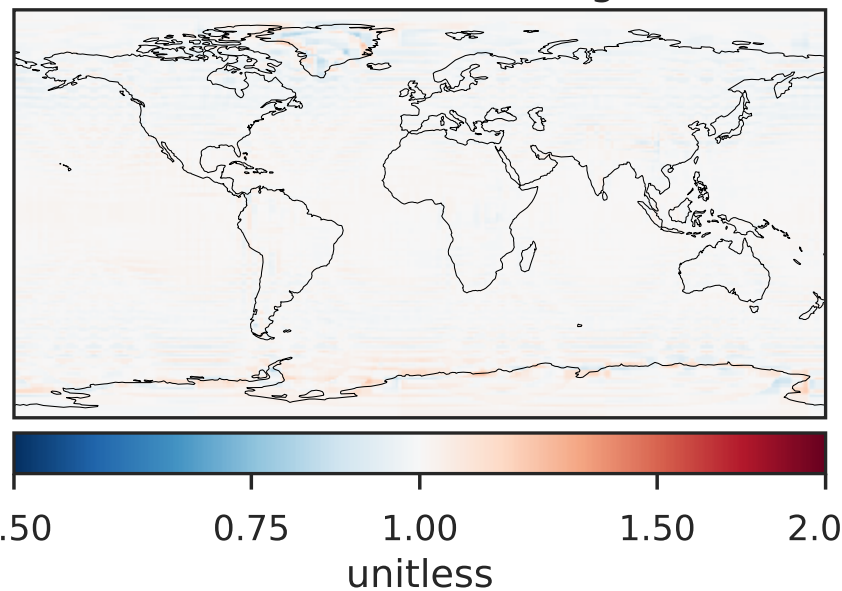
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)  
Dev/Ref, Dynamic Range

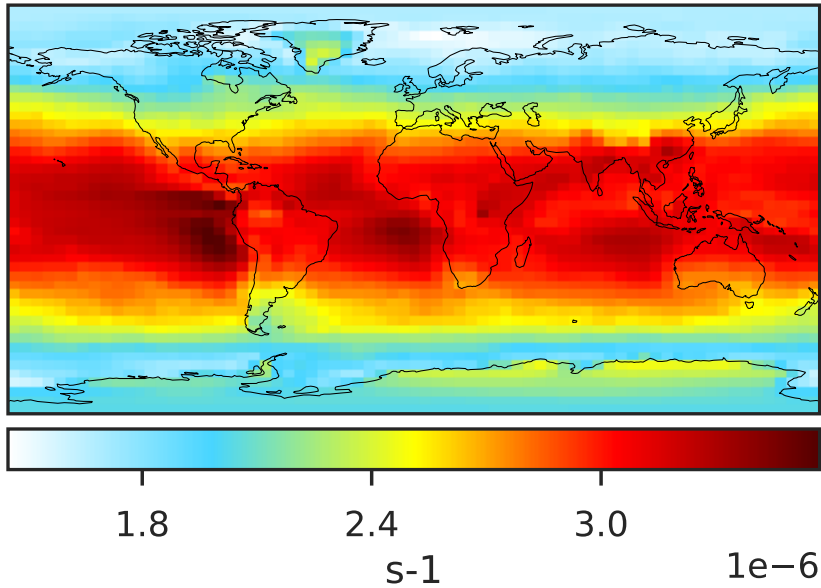


Ratio (1x1.25)  
Dev/Ref, Fixed Range

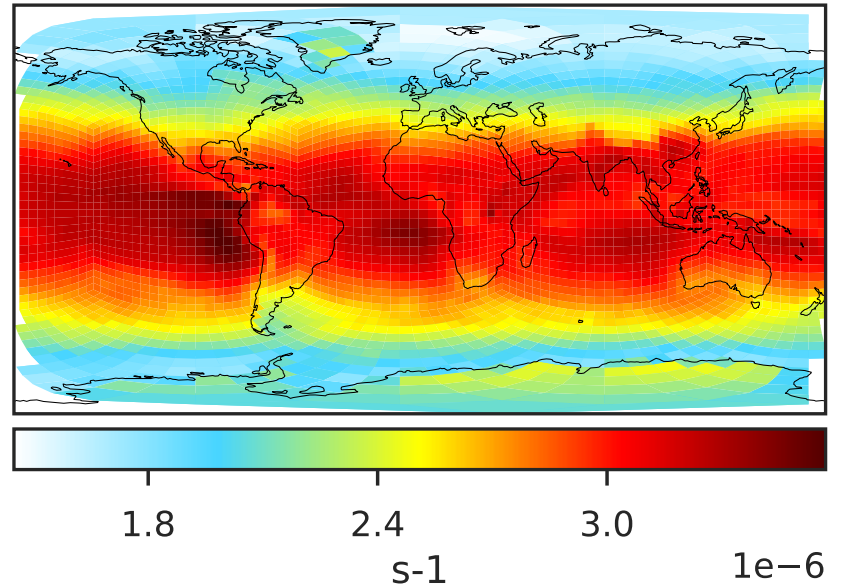


# Jval\_PRPN (AnnualMean)

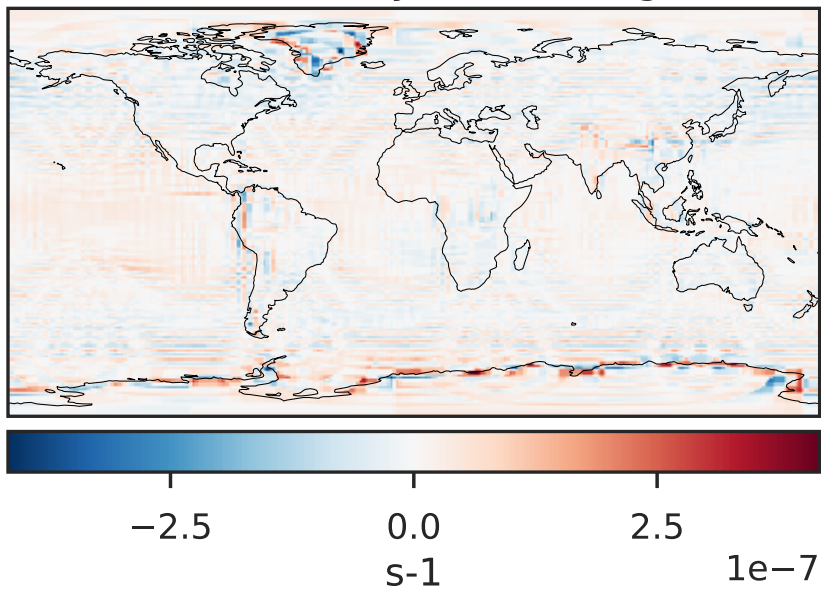
GCC\_14.2.0 (Ref)  
4.0x5.0



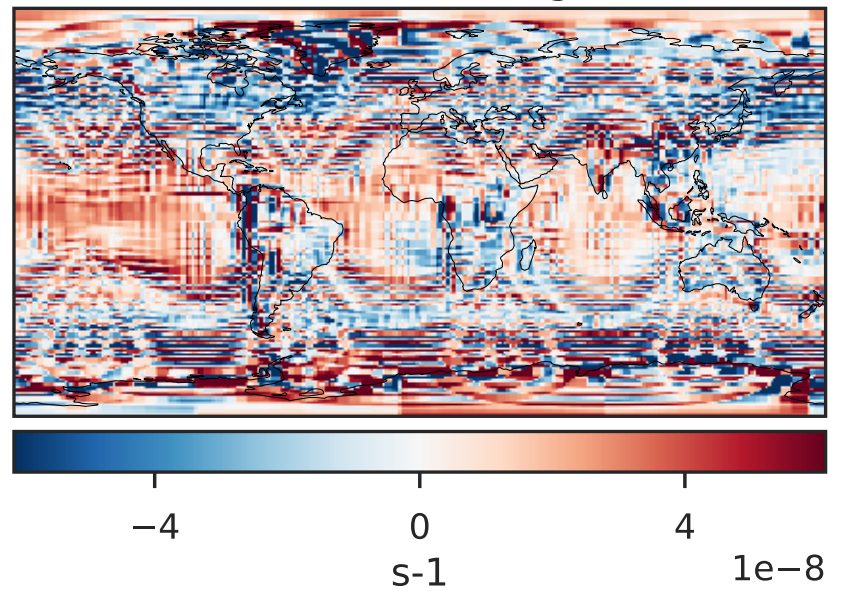
GCHP\_14.2.0 (Dev)  
c24



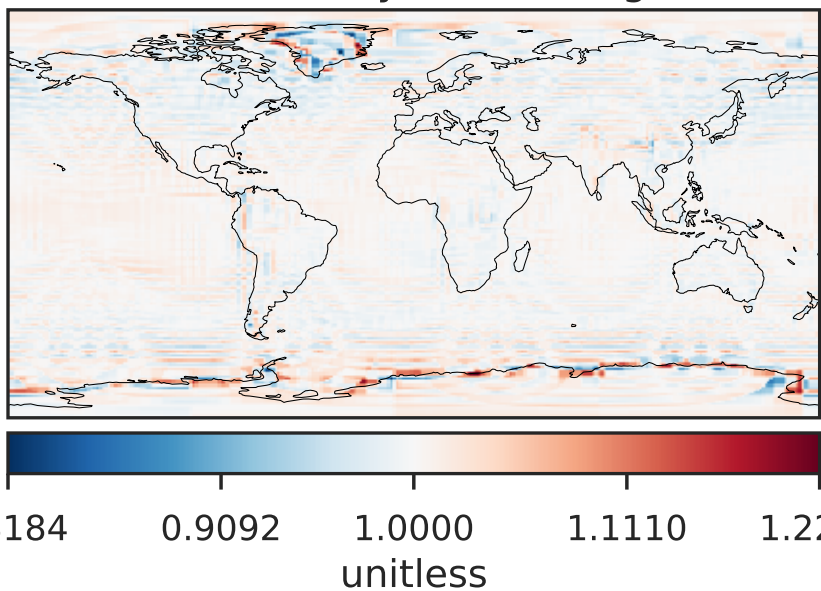
Difference (1x1.25)  
Dev - Ref, Dynamic Range



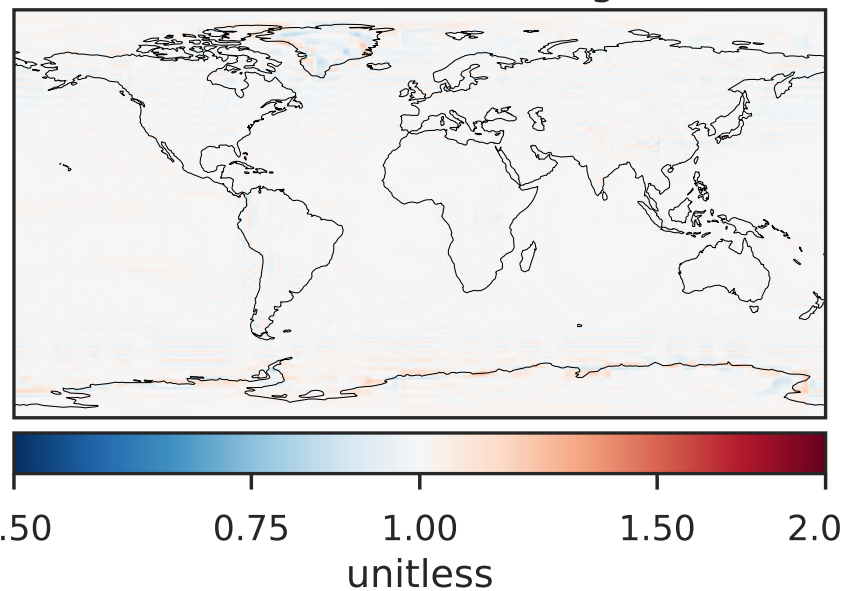
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)  
Dev/Ref, Dynamic Range

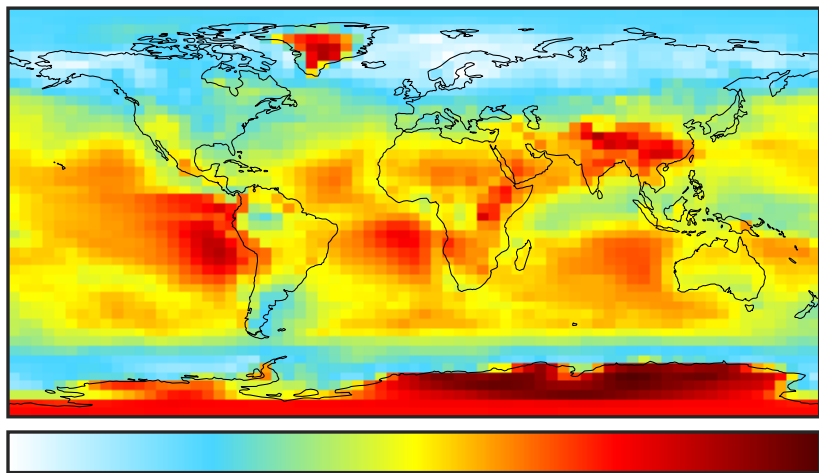


Ratio (1x1.25)  
Dev/Ref, Fixed Range



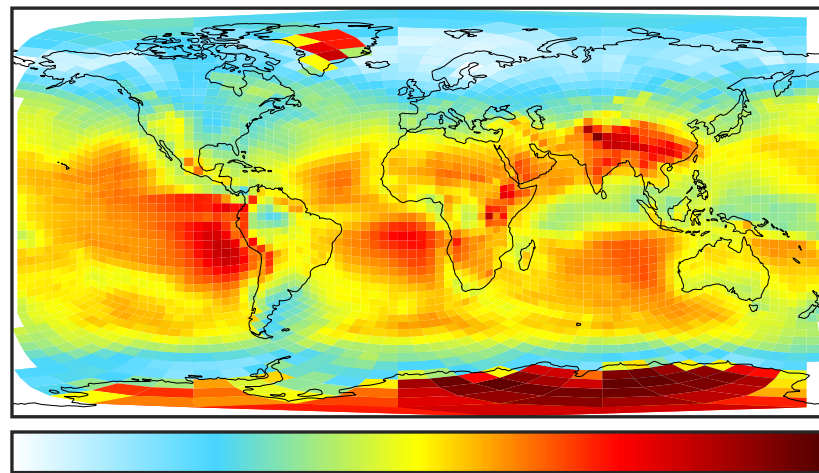
# Jval\_PYAC (AnnualMean)

GCC\_14.2.0 (Ref)  
4.0x5.0



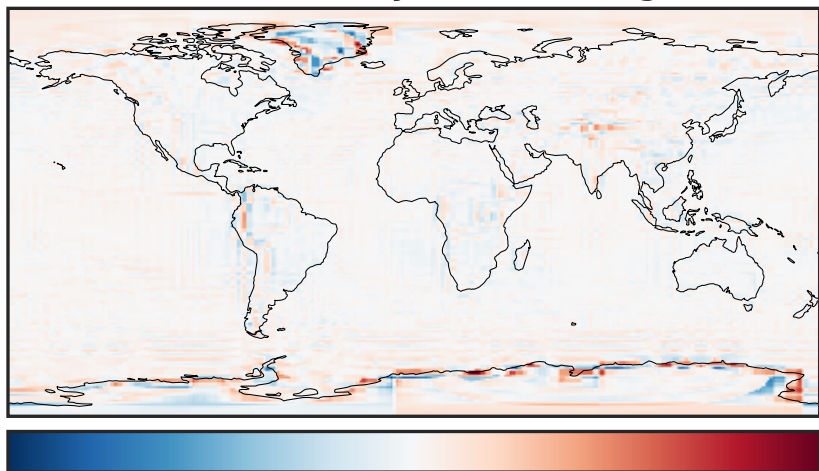
0.000100 0.000125 0.000150 0.000175  
s-1

GCHP\_14.2.0 (Dev)  
c24



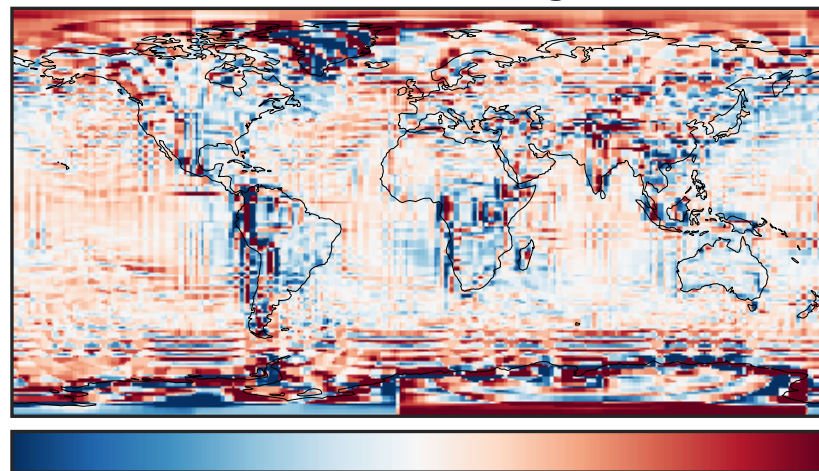
0.000100 0.000125 0.000150 0.000175  
s-1

Difference (1x1.25)  
Dev - Ref, Dynamic Range



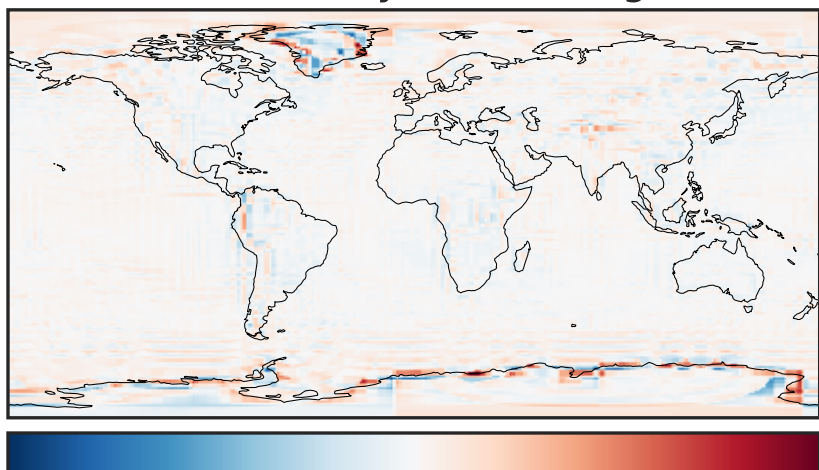
-2 0 2  
s-1 1e-5

Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



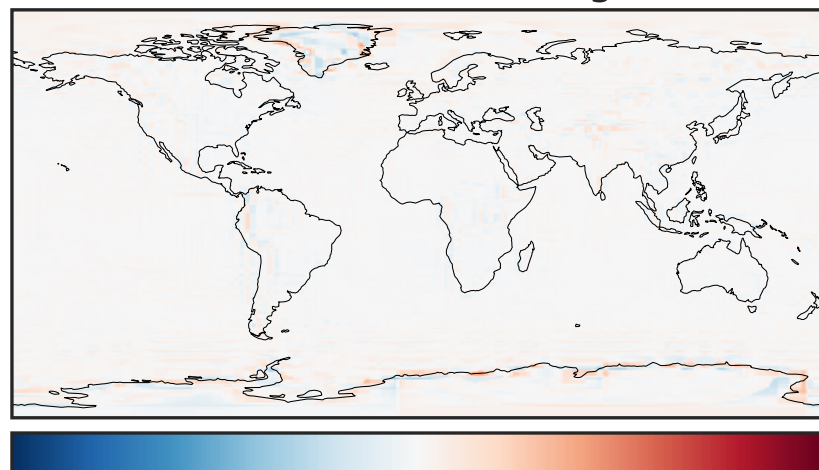
-2.5 0.0 2.5  
s-1 1e-6

Ratio (1x1.25)  
Dev/Ref, Dynamic Range



0.7527 0.8763 1.0000 1.1643 1.3286  
unitless

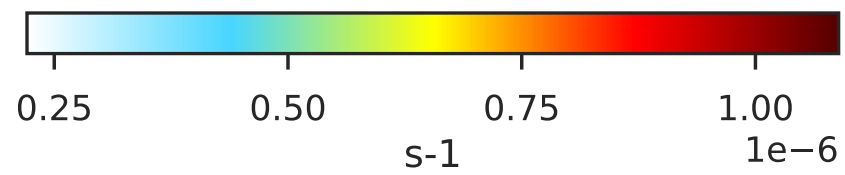
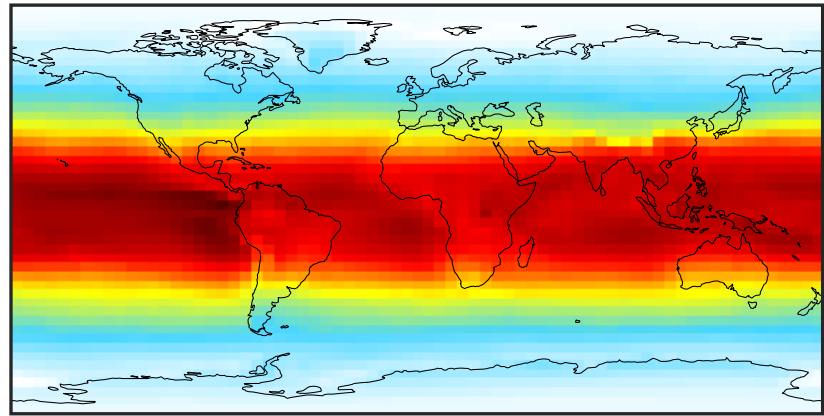
Ratio (1x1.25)  
Dev/Ref, Fixed Range



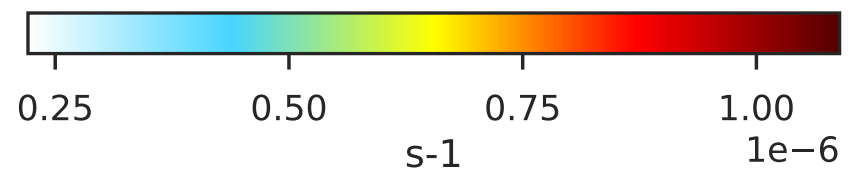
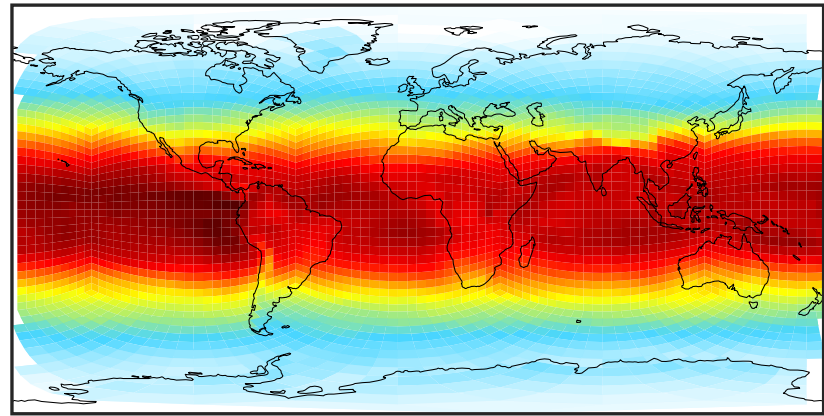
0.50 0.75 1.00 1.50 2.00  
unitless

# Jval\_R4N2 (AnnualMean)

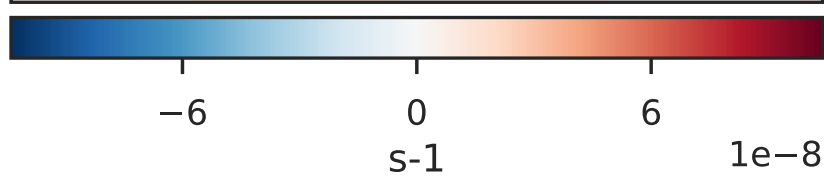
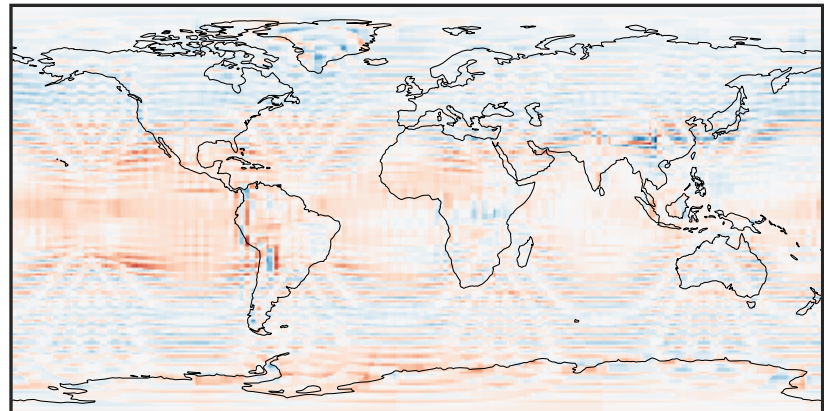
GCC\_14.2.0 (Ref)  
4.0x5.0



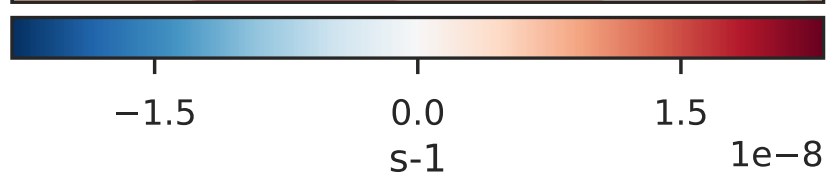
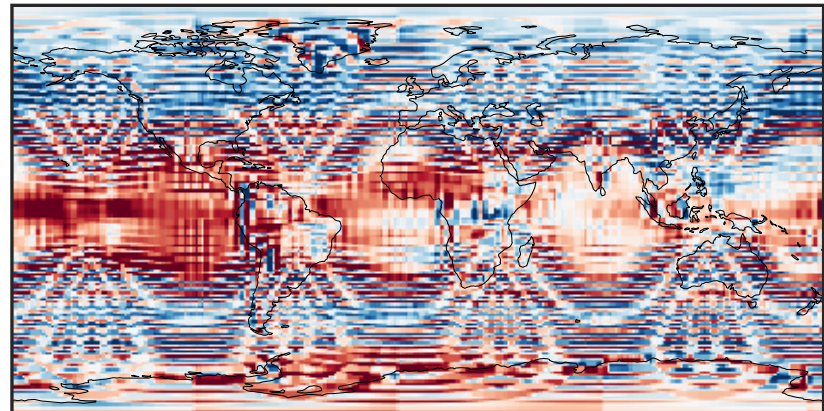
GCHP\_14.2.0 (Dev)  
c24



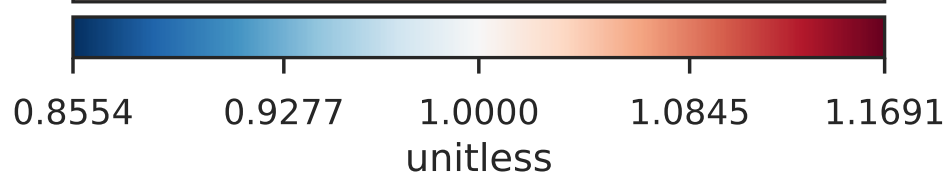
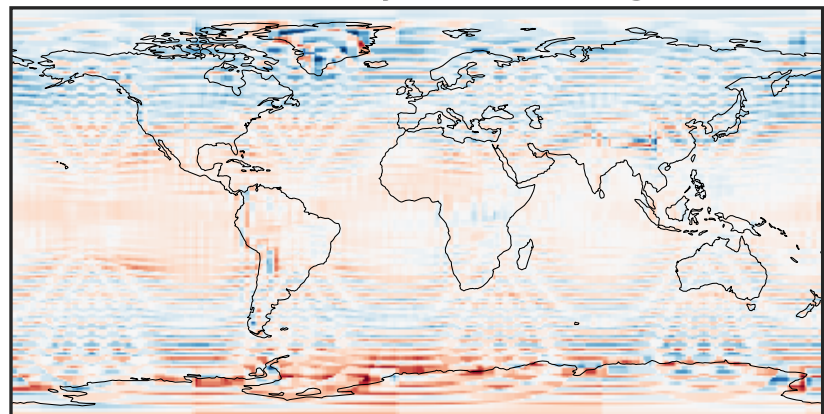
Difference (1x1.25)  
Dev - Ref, Dynamic Range



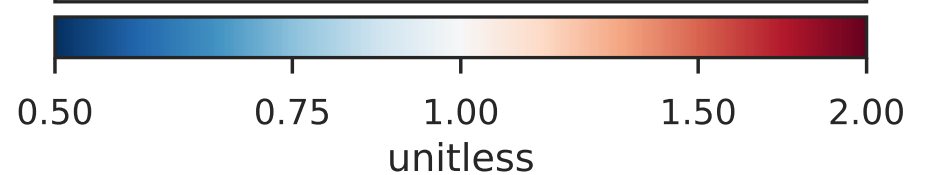
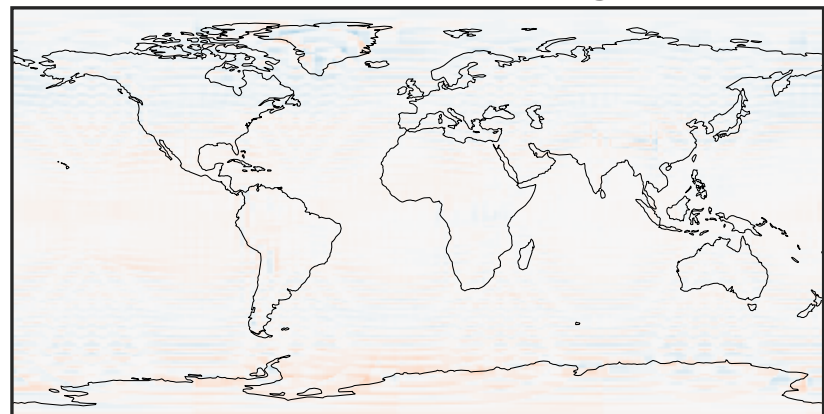
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)  
Dev/Ref, Dynamic Range

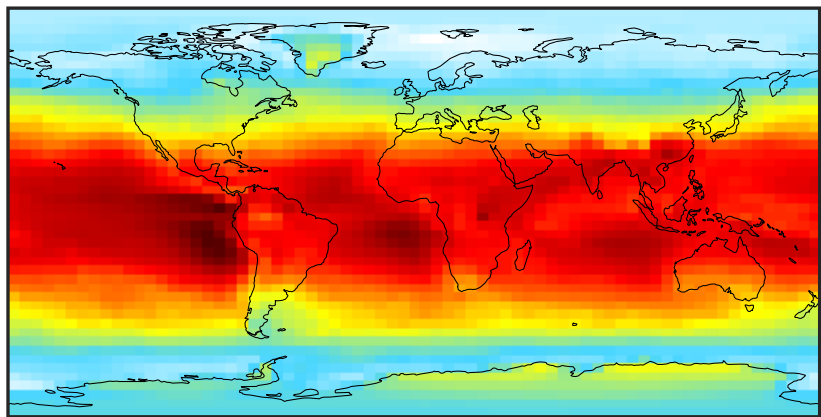


Ratio (1x1.25)  
Dev/Ref, Fixed Range



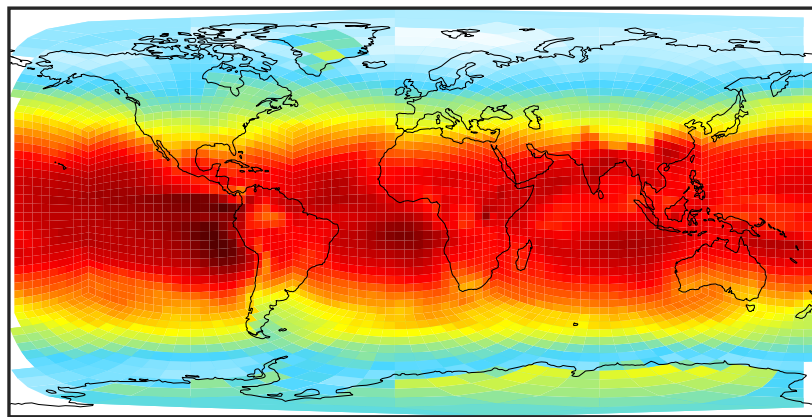
# Jval\_R4P (AnnualMean)

GCC\_14.2.0 (Ref)  
4.0x5.0



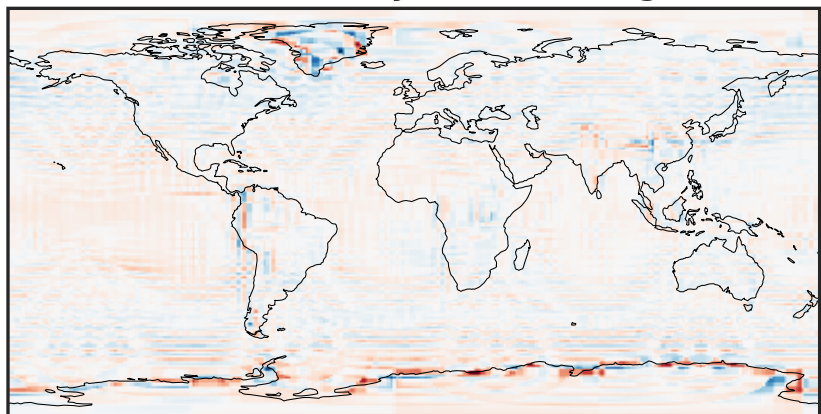
1.8 2.4 3.0  
s-1 1e-6

GCHP\_14.2.0 (Dev)  
c24



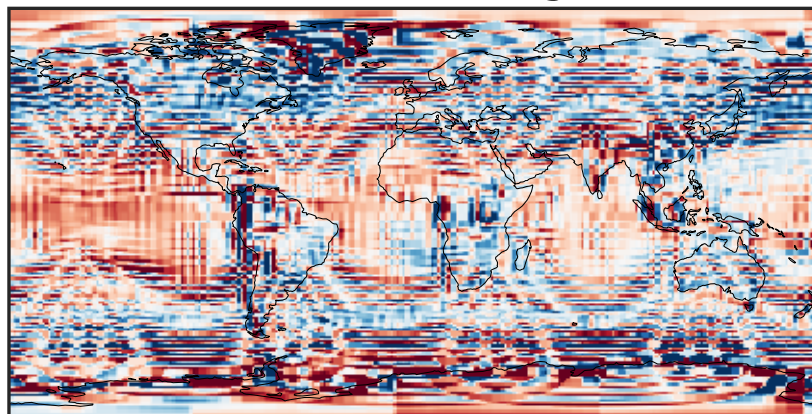
1.8 2.4 3.0  
s-1 1e-6

Difference (1x1.25)  
Dev - Ref, Dynamic Range



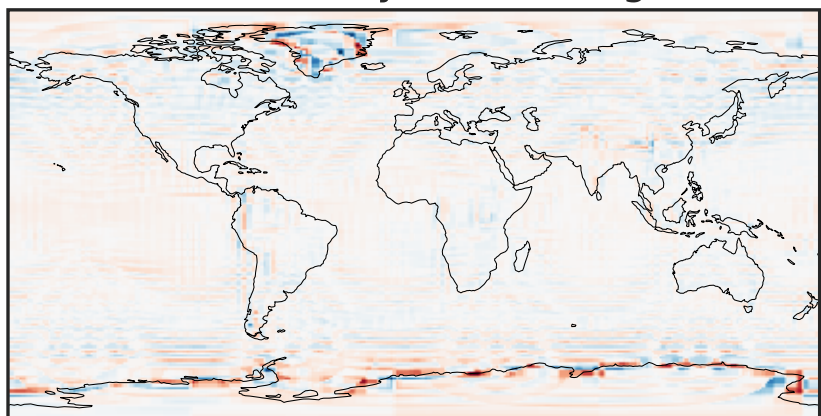
-2.5 0.0 2.5  
s-1 1e-7

Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



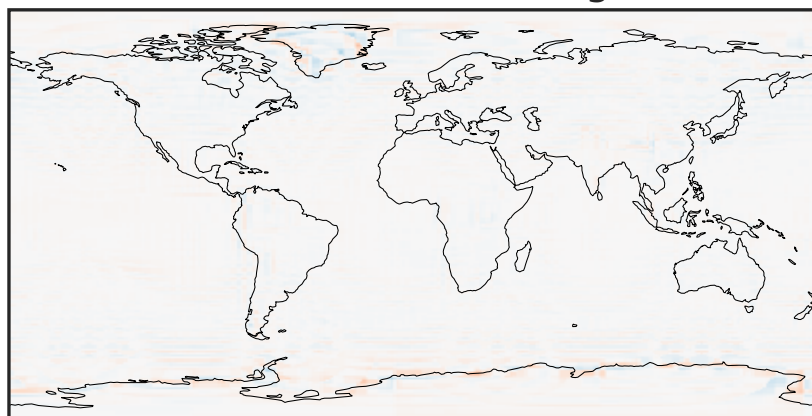
-4 0 4  
s-1 1e-8

Ratio (1x1.25)  
Dev/Ref, Dynamic Range



0.8184 0.9092 1.0000 1.1110 1.2219  
unitless

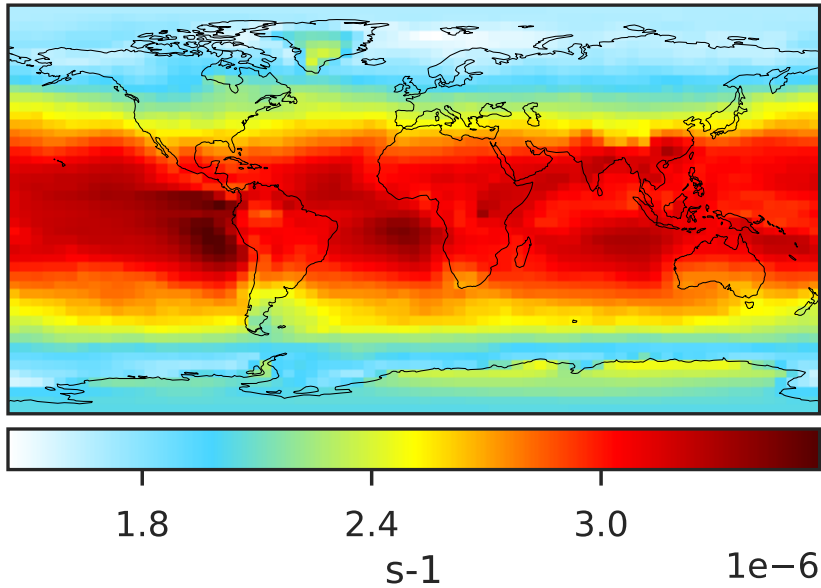
Ratio (1x1.25)  
Dev/Ref, Fixed Range



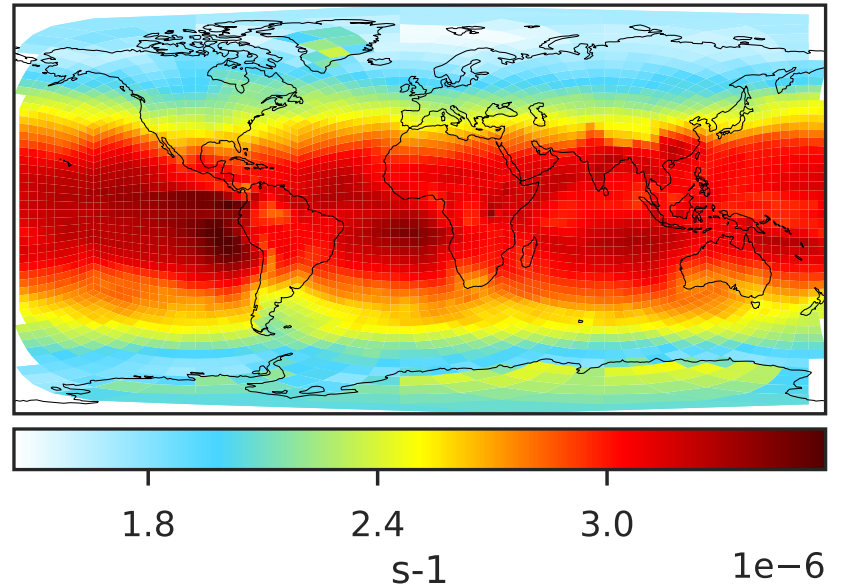
0.50 0.75 1.00 1.50 2.00  
unitless

# Jval\_RA3P (AnnualMean)

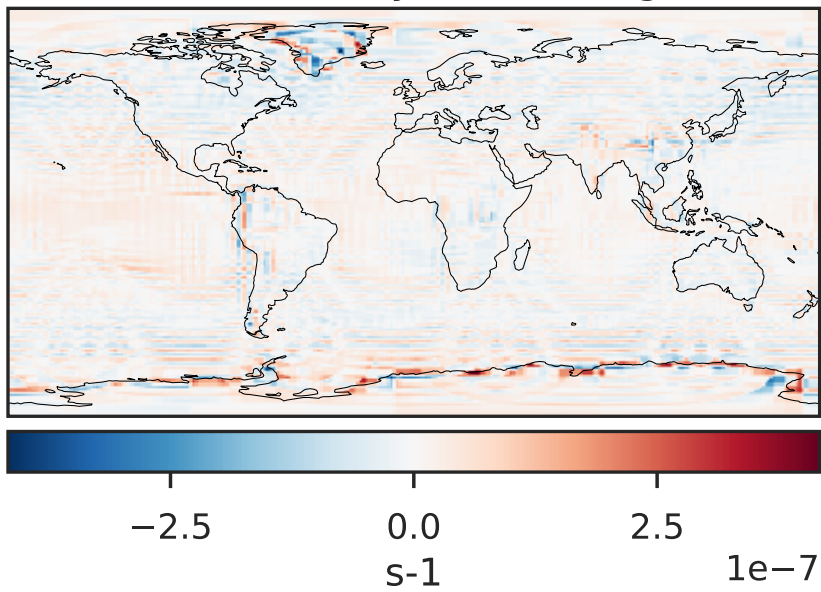
GCC\_14.2.0 (Ref)  
4.0x5.0



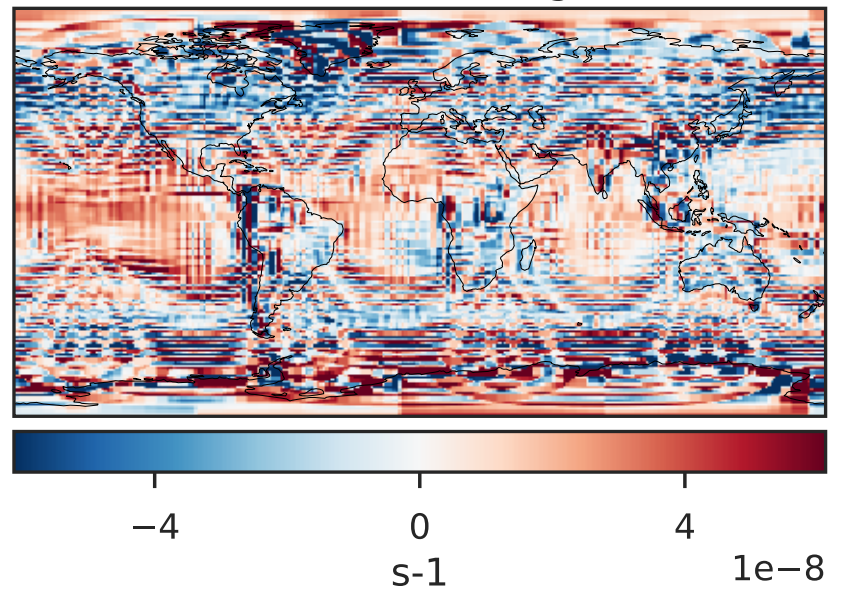
GCHP\_14.2.0 (Dev)  
c24



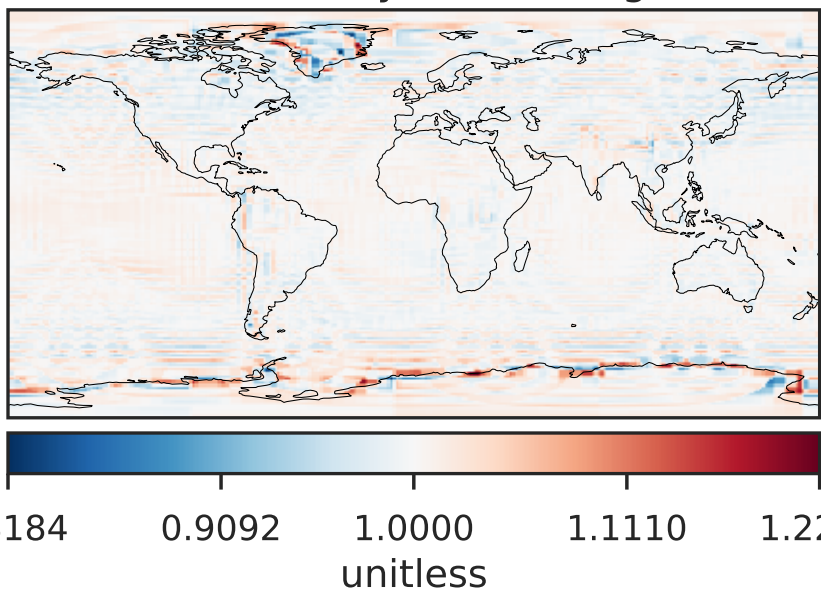
Difference (1x1.25)  
Dev - Ref, Dynamic Range



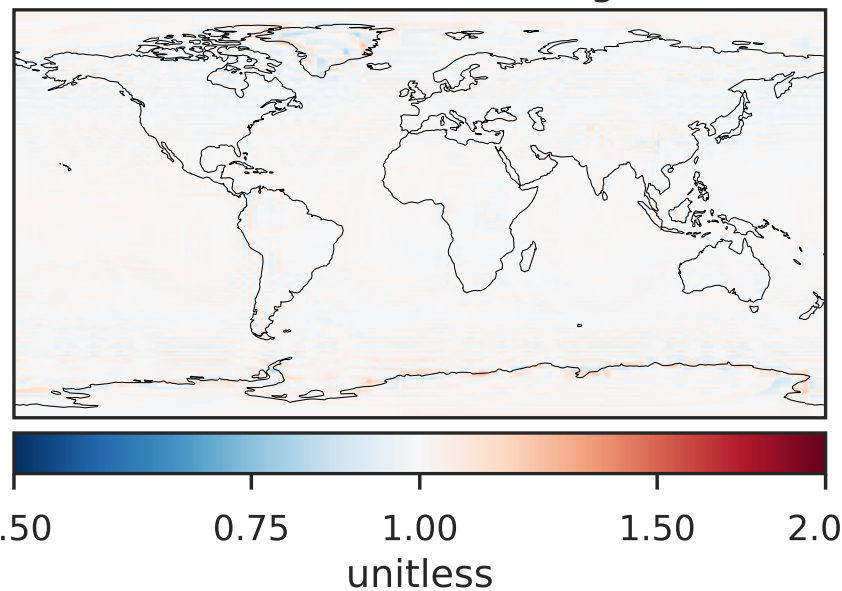
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)  
Dev/Ref, Dynamic Range

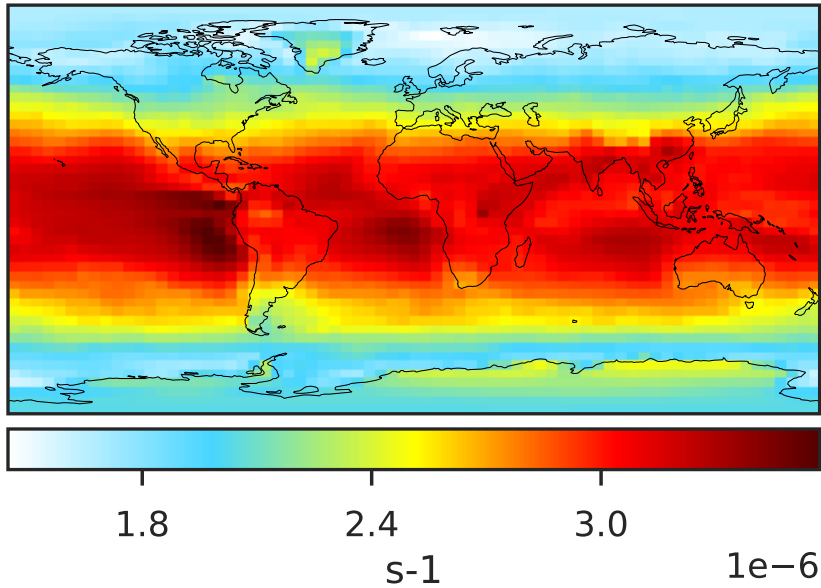


Ratio (1x1.25)  
Dev/Ref, Fixed Range

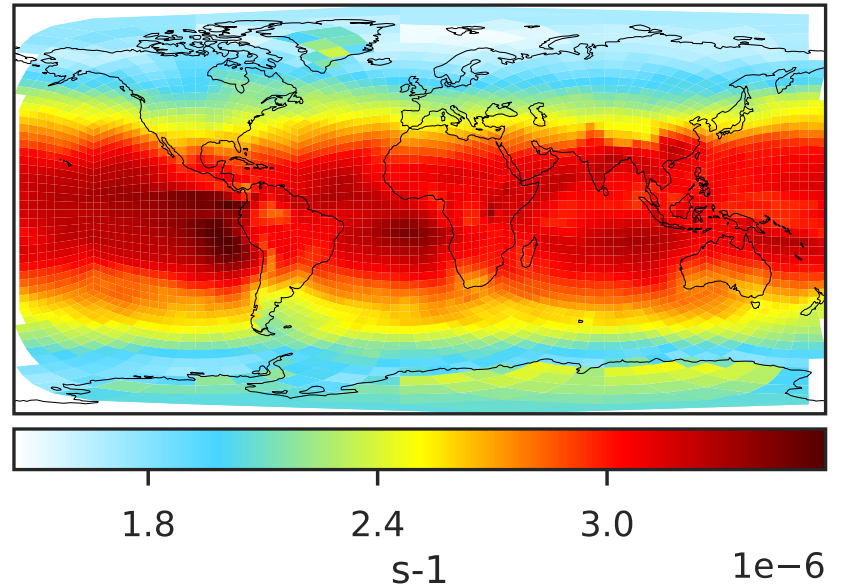


# Jval\_RB3P (AnnualMean)

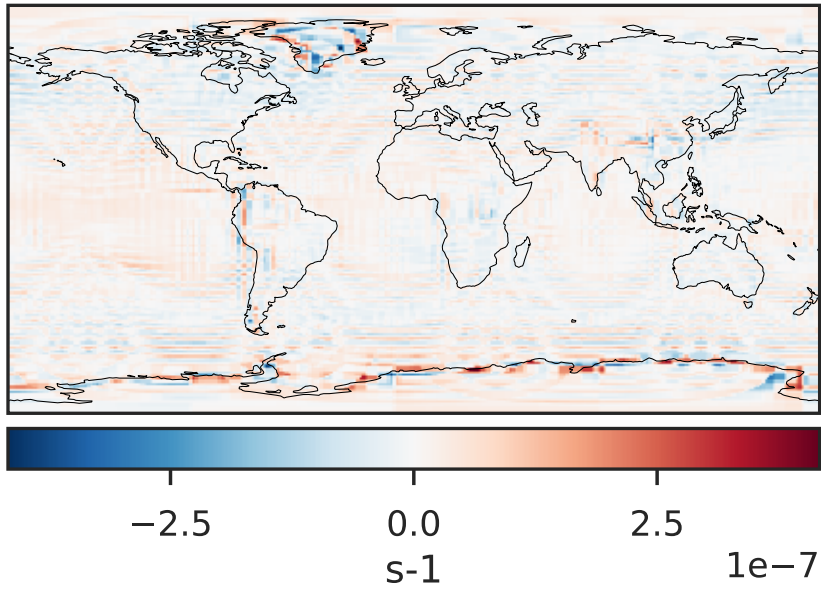
GCC\_14.2.0 (Ref)  
4.0x5.0



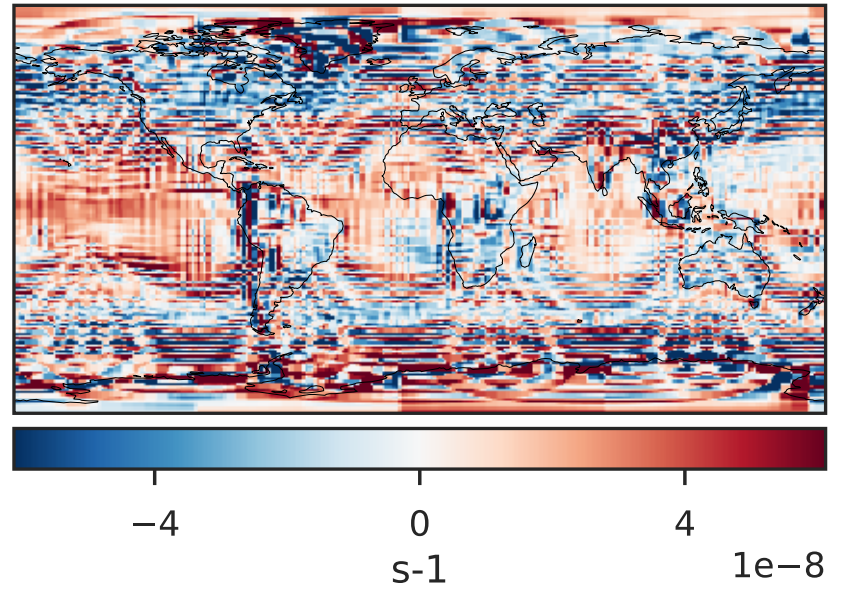
GCHP\_14.2.0 (Dev)  
c24



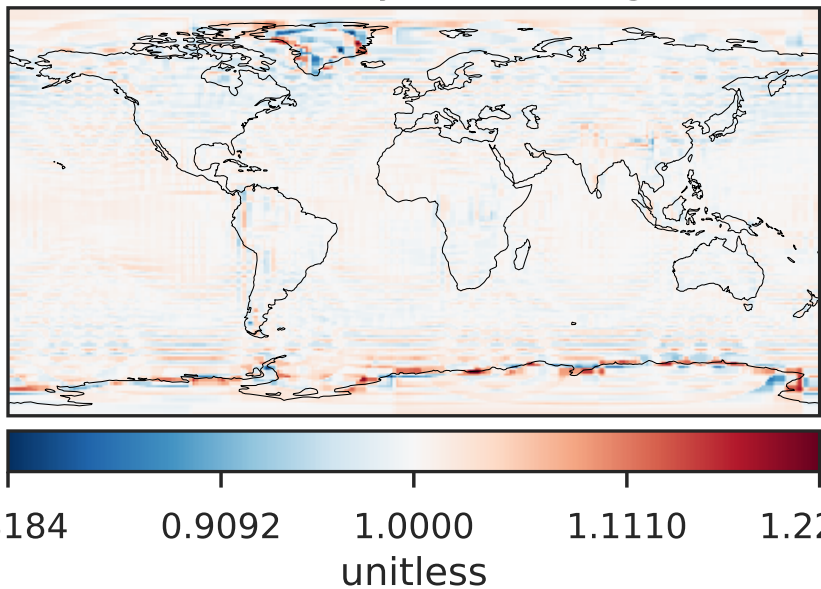
Difference (1x1.25)  
Dev - Ref, Dynamic Range



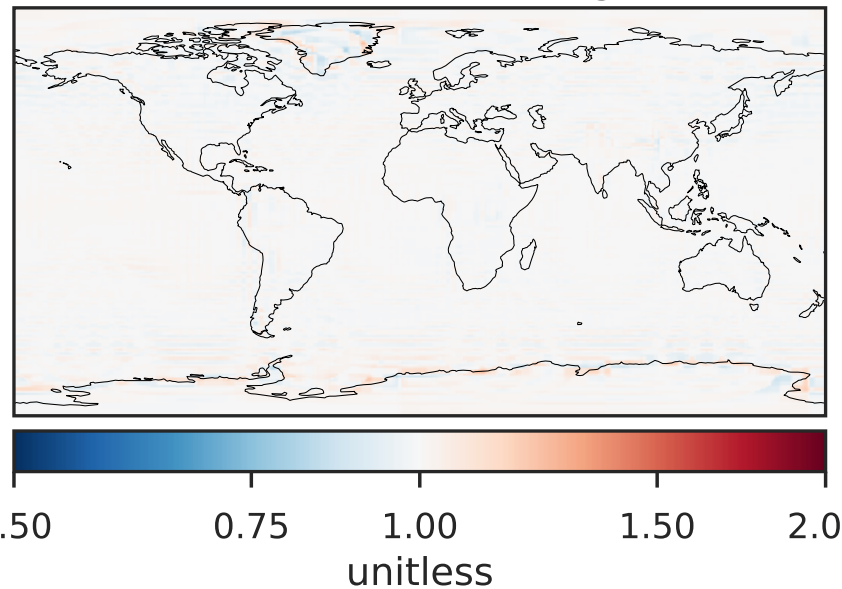
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)  
Dev/Ref, Dynamic Range



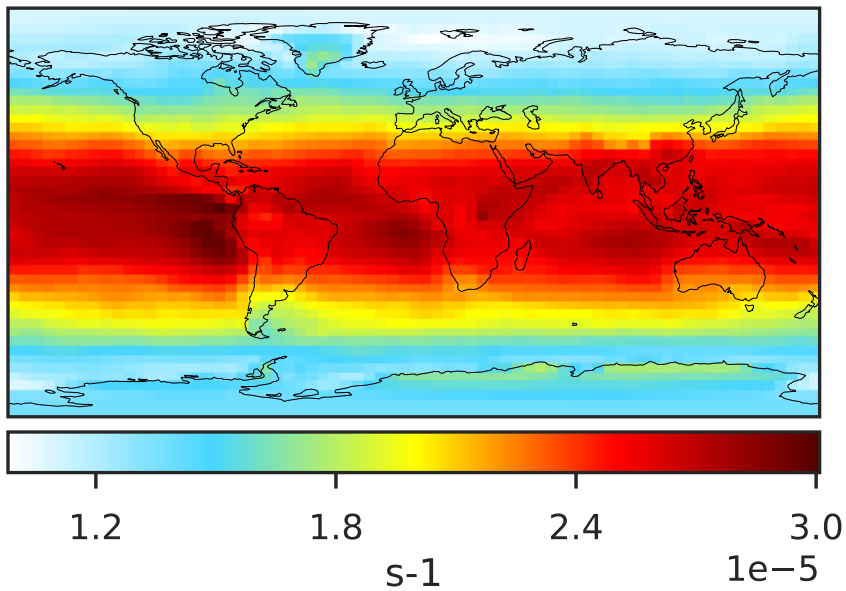
Ratio (1x1.25)  
Dev/Ref, Fixed Range



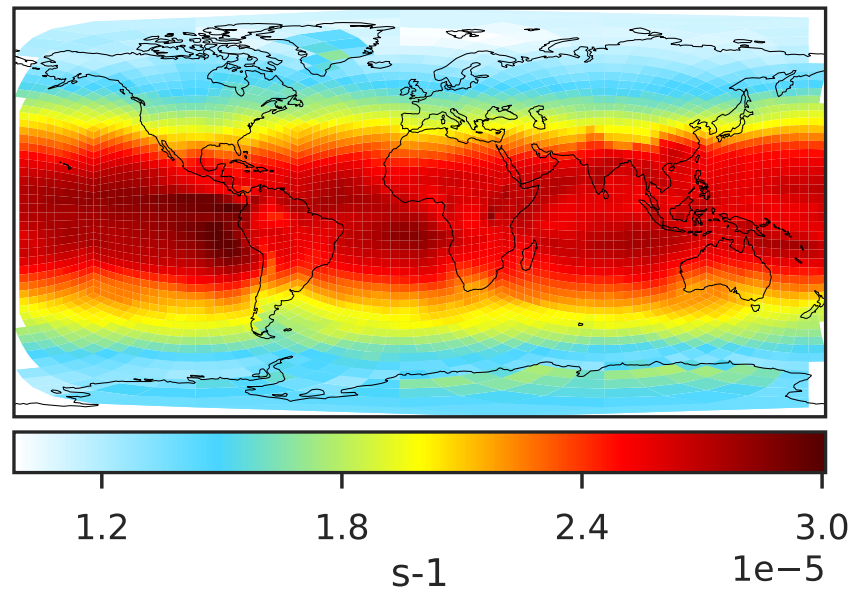


# Jval\_RCHO (AnnualMean)

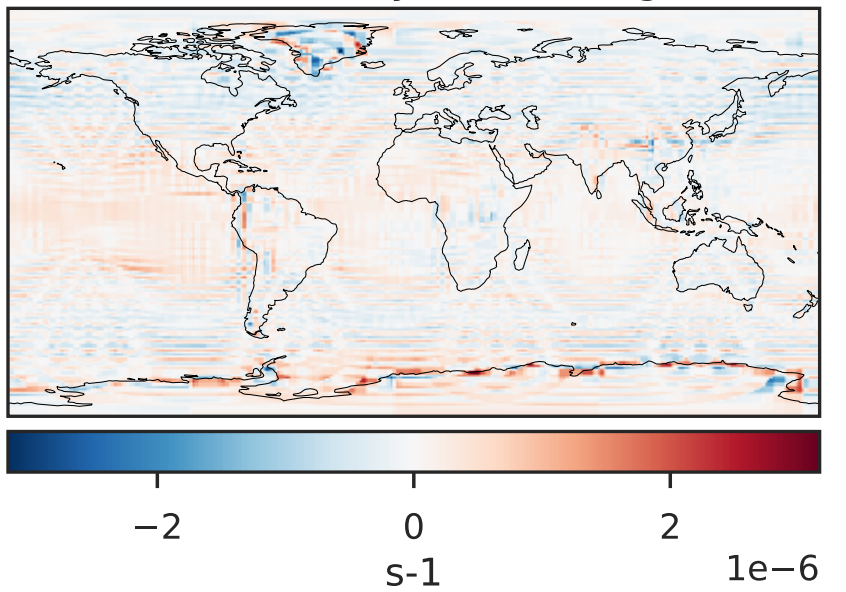
GCC\_14.2.0 (Ref)  
4.0x5.0



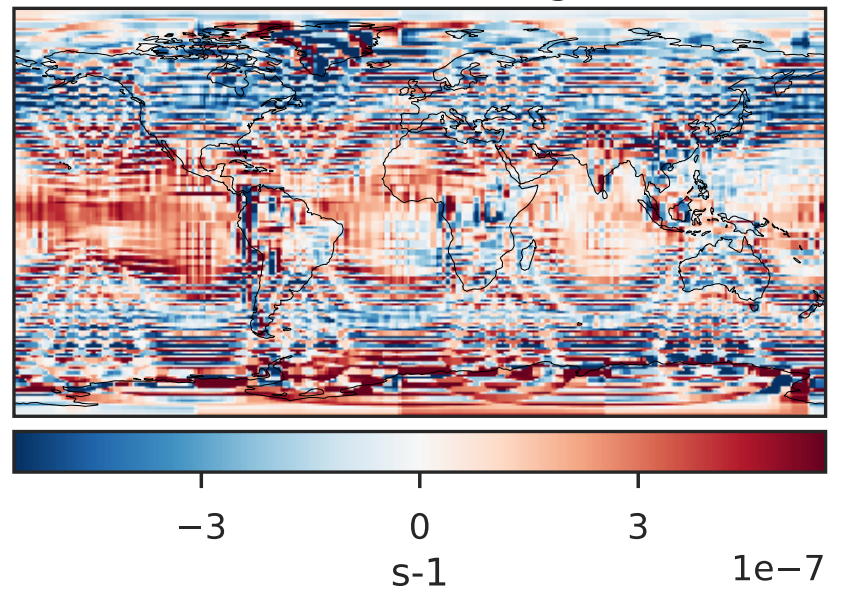
GCHP\_14.2.0 (Dev)  
c24



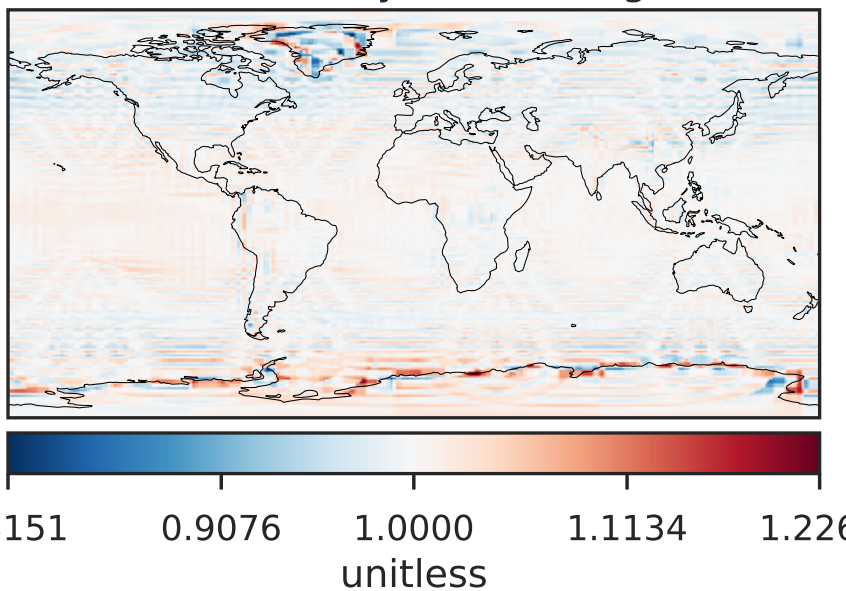
Difference (1x1.25)  
Dev - Ref, Dynamic Range



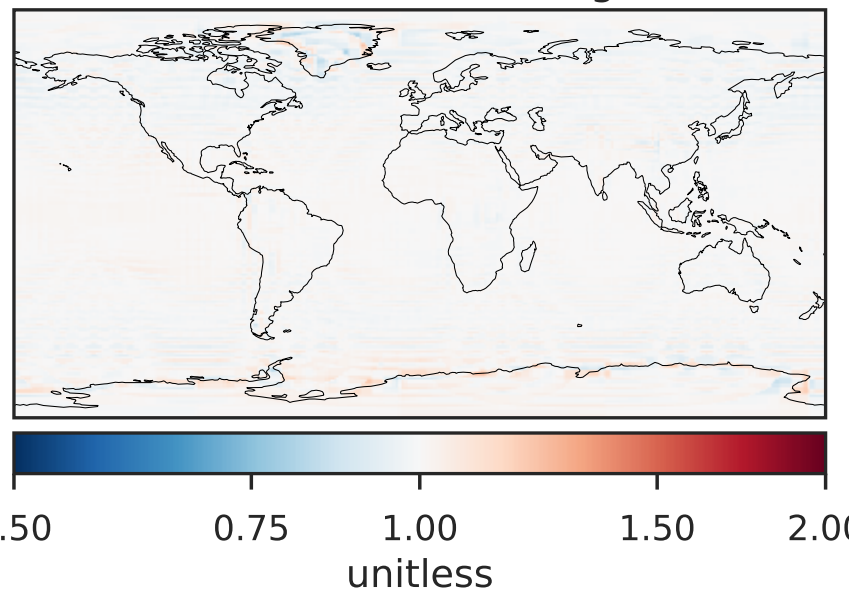
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)  
Dev/Ref, Dynamic Range

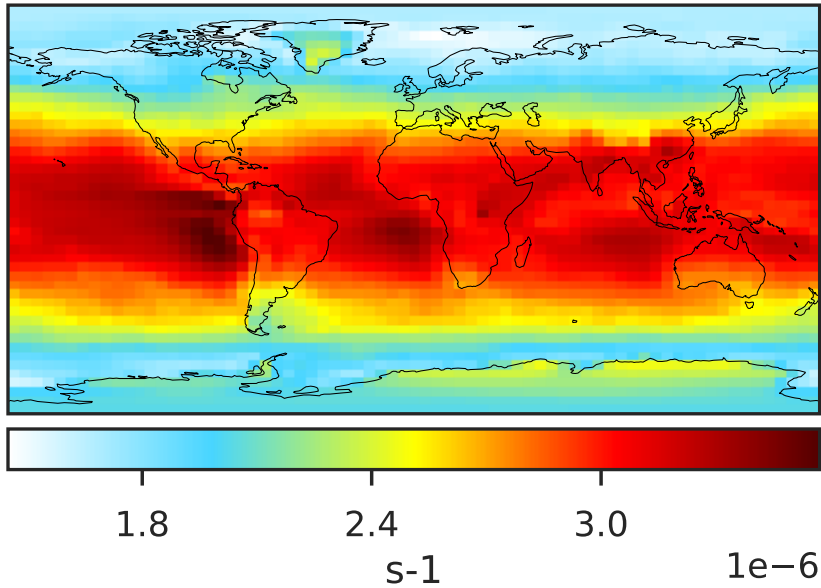


Ratio (1x1.25)  
Dev/Ref, Fixed Range

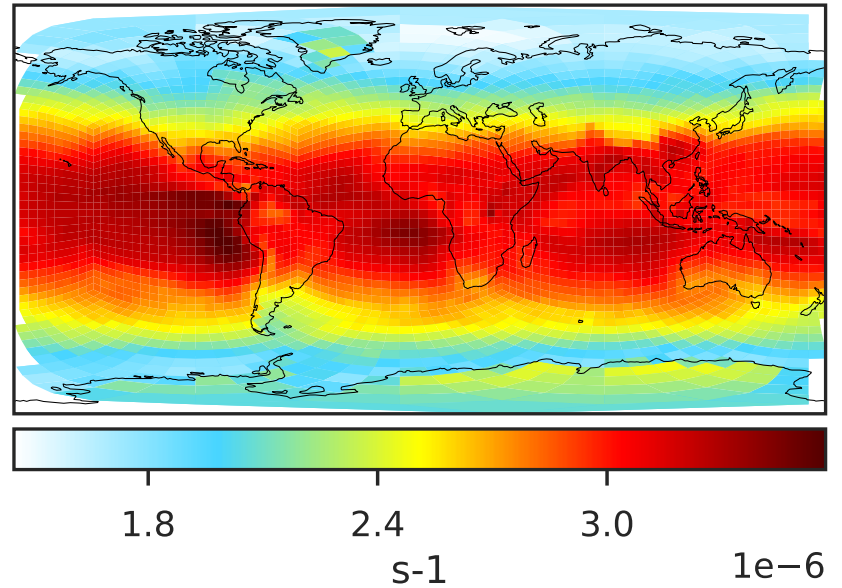


# Jval\_RIPA (AnnualMean)

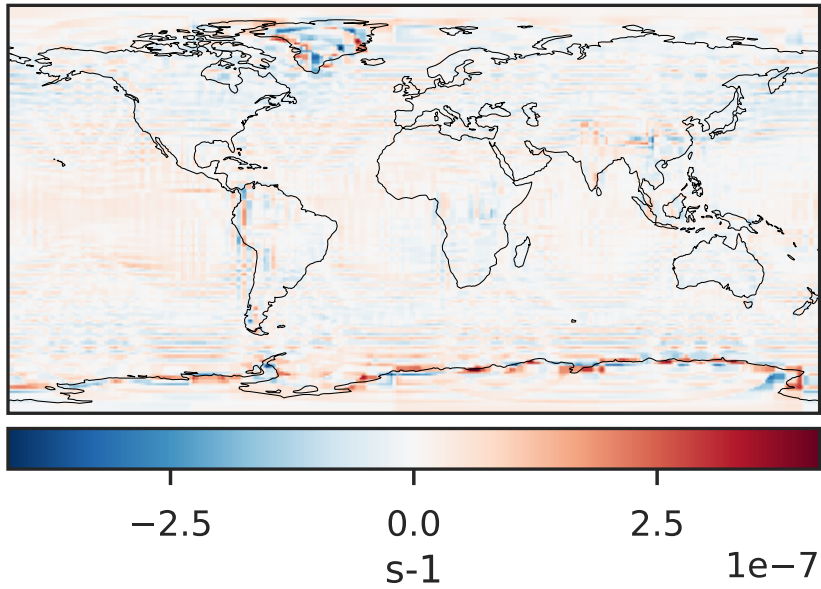
GCC\_14.2.0 (Ref)  
4.0x5.0



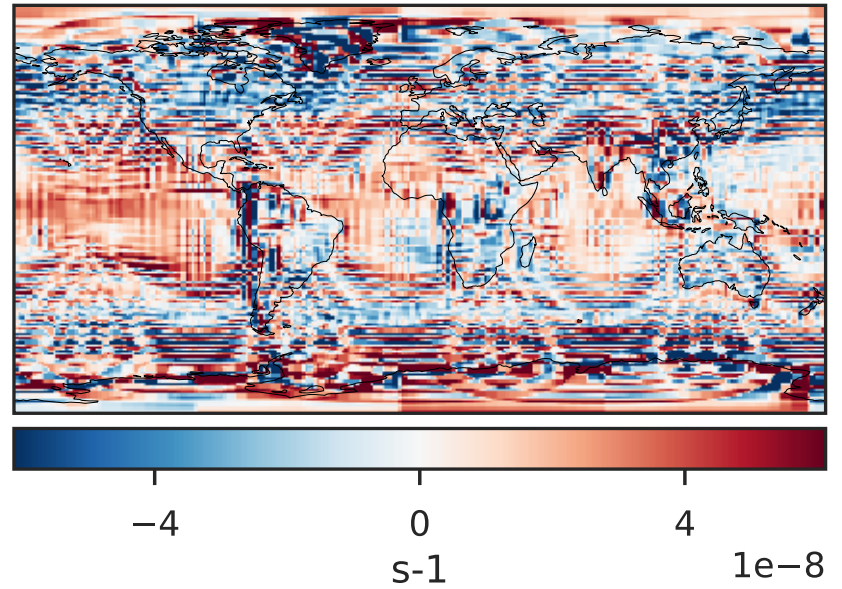
GCHP\_14.2.0 (Dev)  
c24



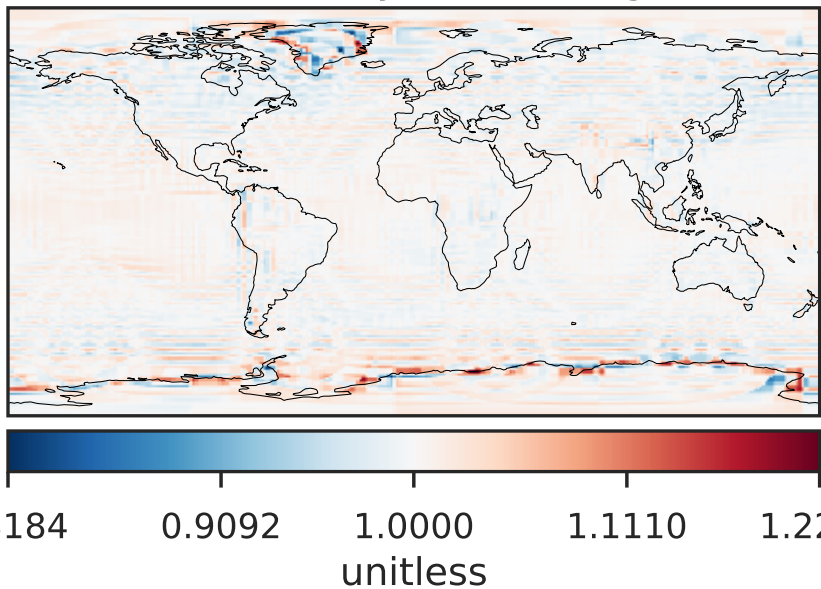
Difference (1x1.25)  
Dev - Ref, Dynamic Range



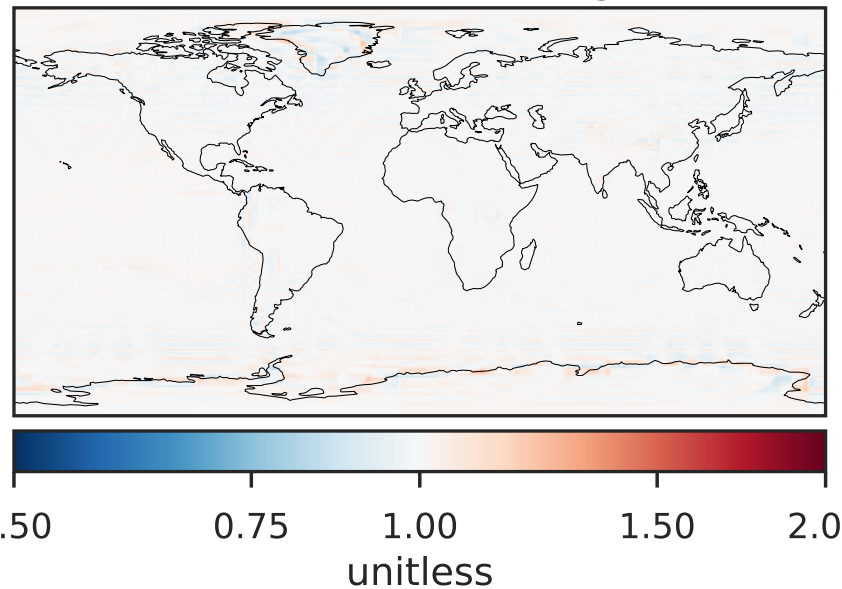
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)  
Dev/Ref, Dynamic Range

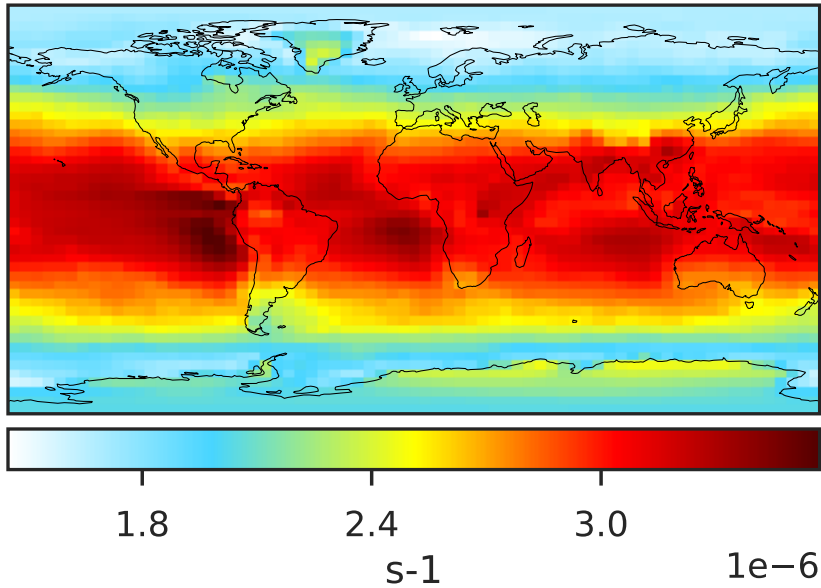


Ratio (1x1.25)  
Dev/Ref, Fixed Range

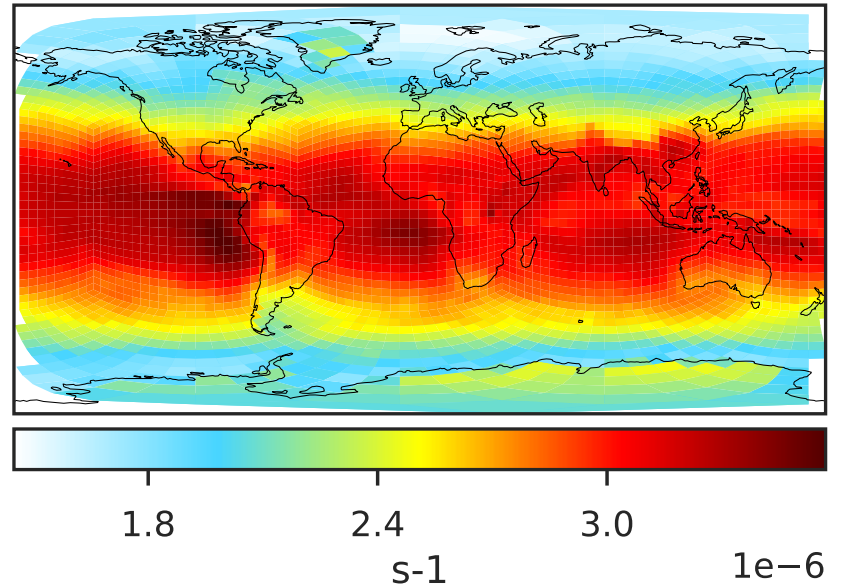


# Jval\_RIPB (AnnualMean)

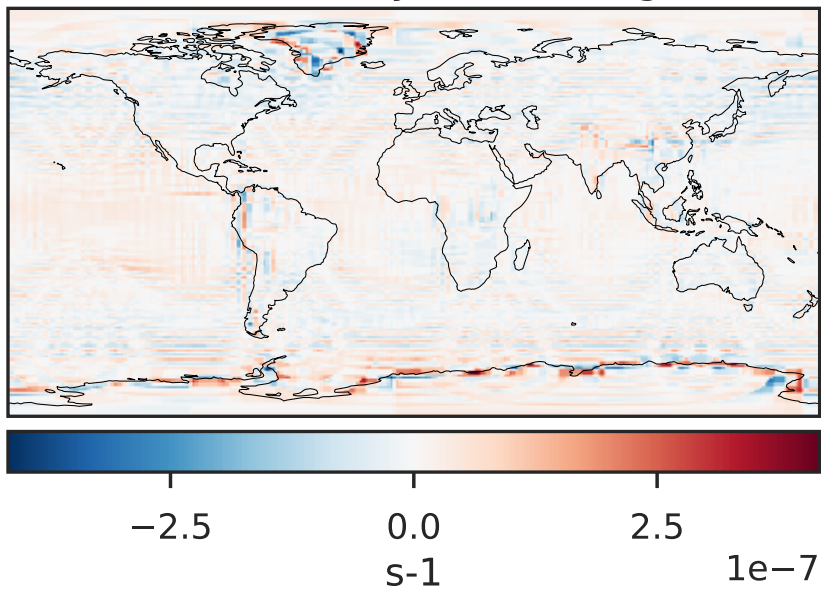
GCC\_14.2.0 (Ref)  
4.0x5.0



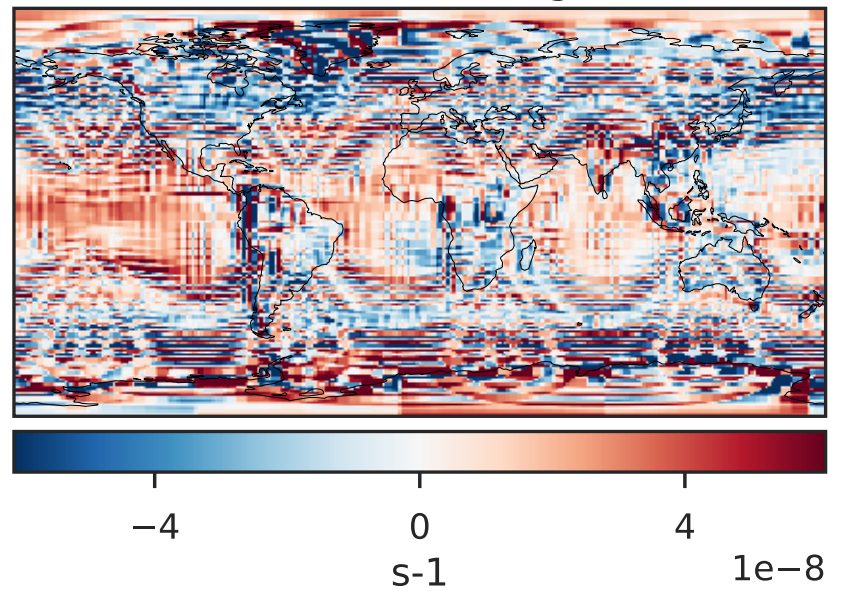
GCHP\_14.2.0 (Dev)  
c24



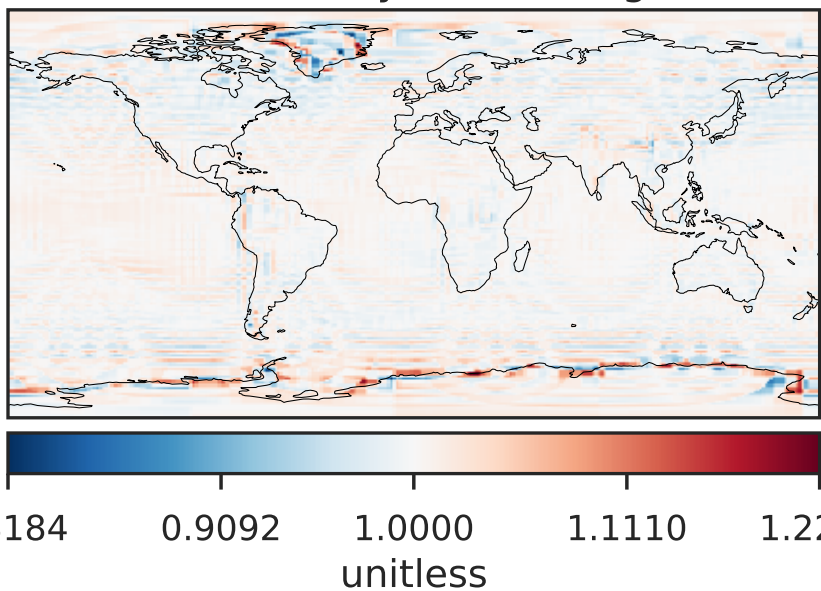
Difference (1x1.25)  
Dev - Ref, Dynamic Range



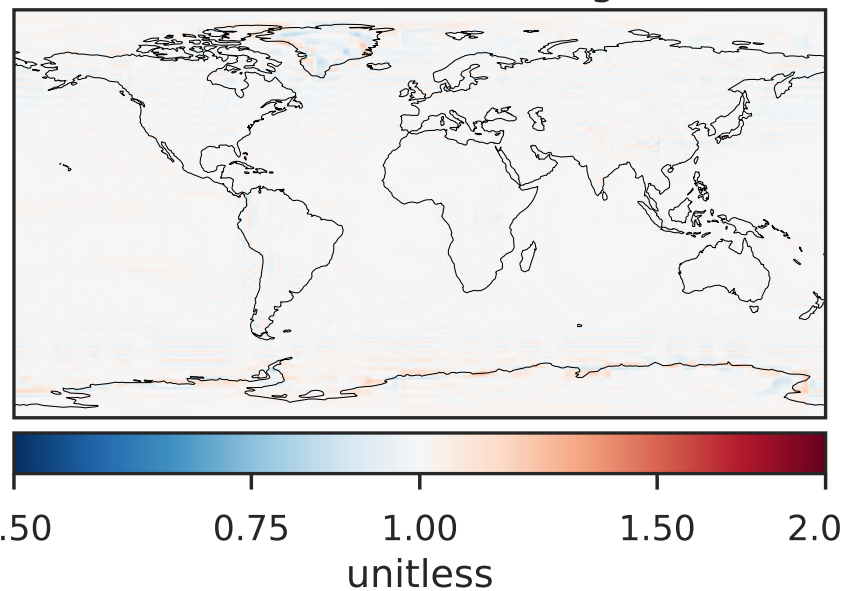
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)  
Dev/Ref, Dynamic Range

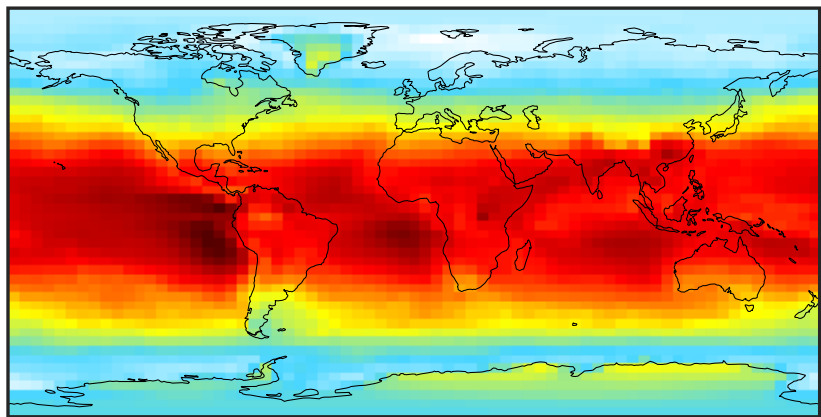


Ratio (1x1.25)  
Dev/Ref, Fixed Range



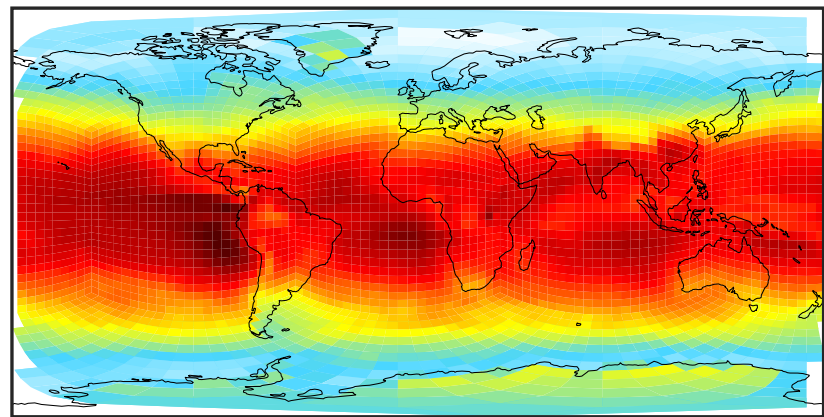
# Jval\_RIPC (AnnualMean)

GCC\_14.2.0 (Ref)  
4.0x5.0



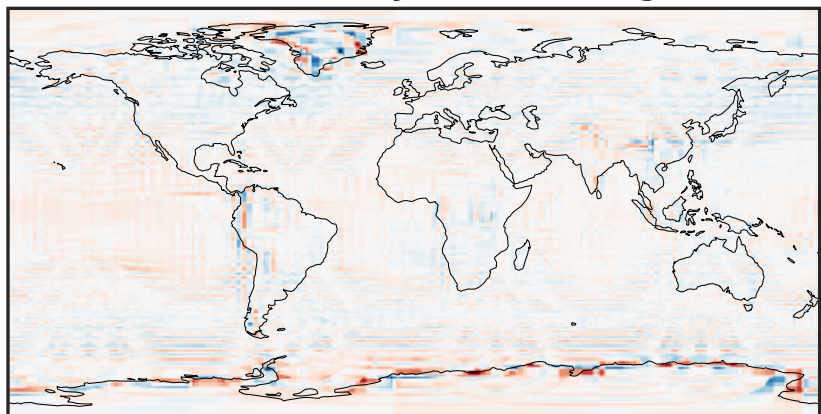
1.8 2.4 3.0  
s-1  $1e-6$

GCHP\_14.2.0 (Dev)  
c24



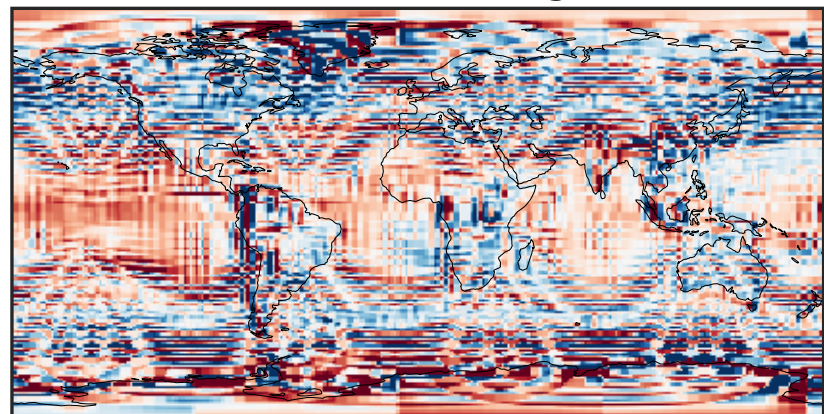
1.8 2.4 3.0  
s-1  $1e-6$

Difference (1x1.25)  
Dev - Ref, Dynamic Range



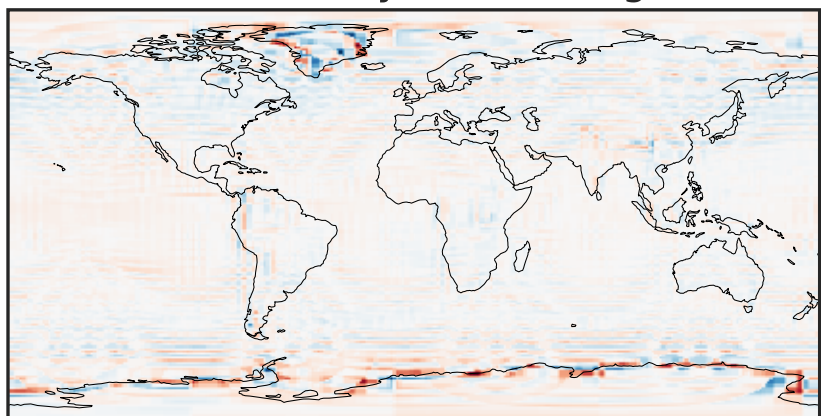
-2.5 0.0 2.5  
s-1  $1e-7$

Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



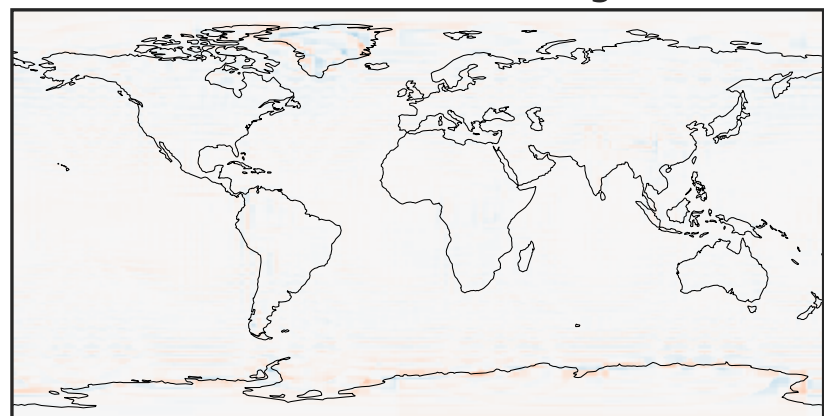
-4 0 4  
s-1  $1e-8$

Ratio (1x1.25)  
Dev/Ref, Dynamic Range



0.8184 0.9092 1.0000 1.1110 1.2219  
unitless

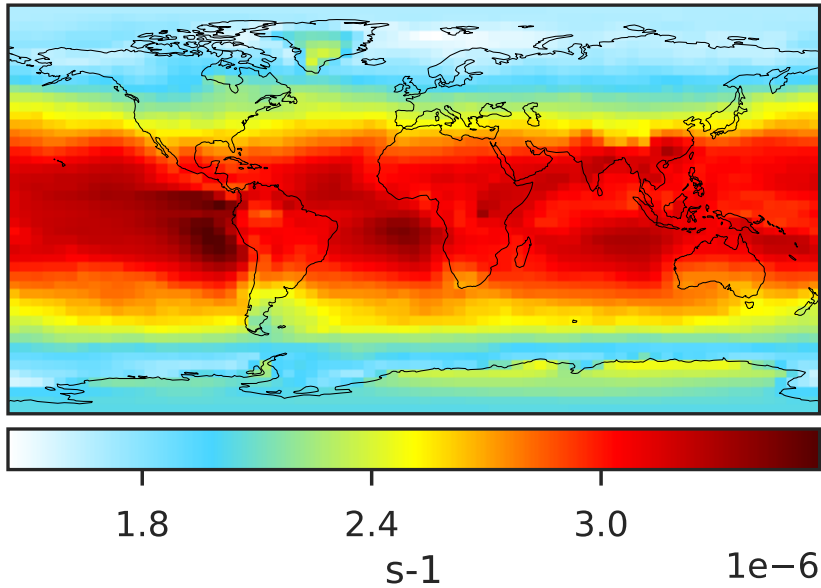
Ratio (1x1.25)  
Dev/Ref, Fixed Range



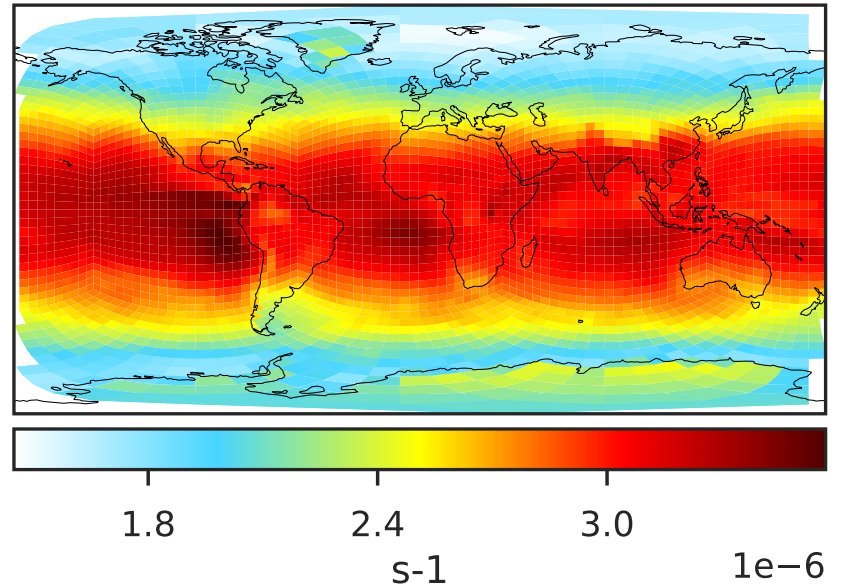
0.50 0.75 1.00 1.50 2.00  
unitless

# Jval\_RIPD (AnnualMean)

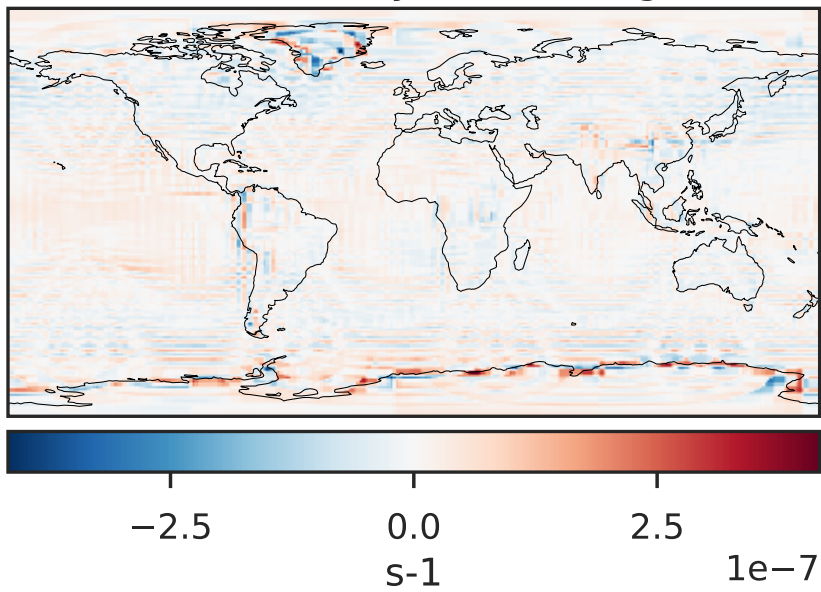
GCC\_14.2.0 (Ref)  
4.0x5.0



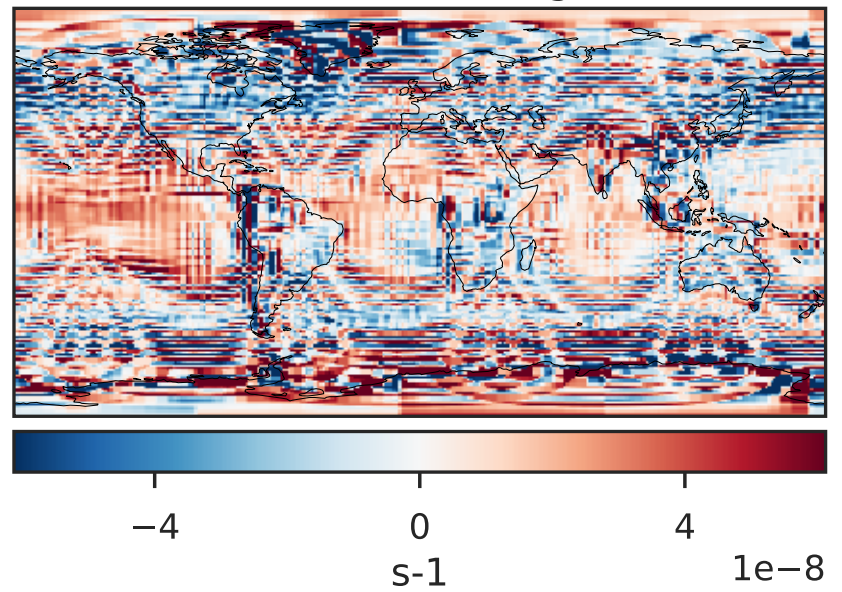
GCHP\_14.2.0 (Dev)  
c24



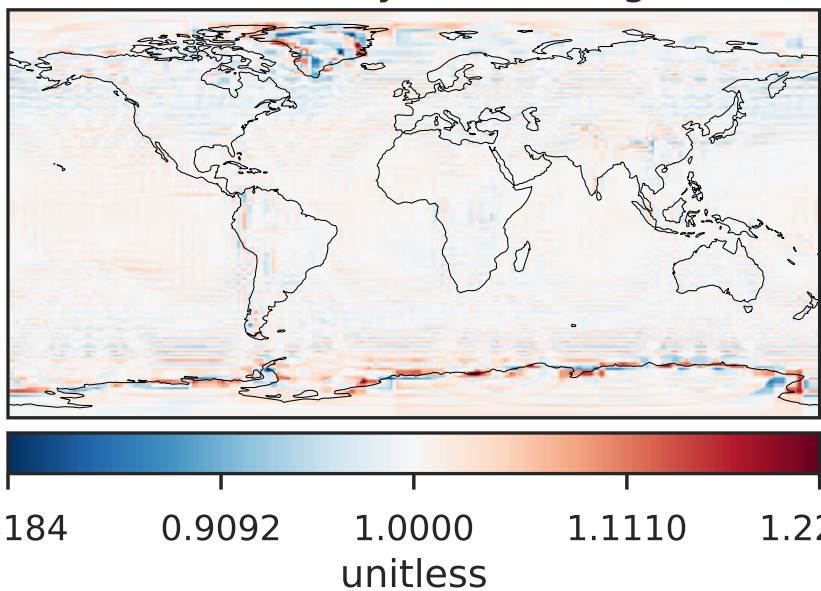
Difference (1x1.25)  
Dev - Ref, Dynamic Range



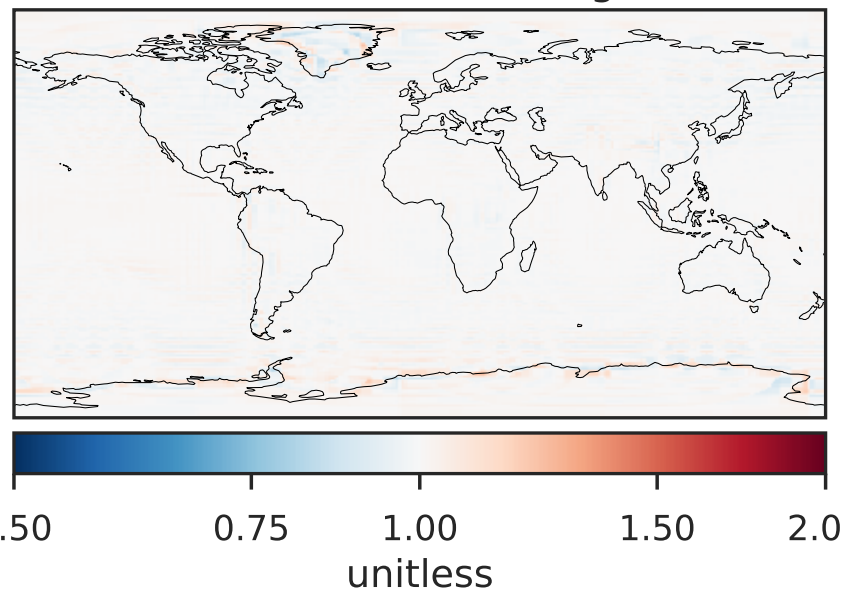
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)  
Dev/Ref, Dynamic Range

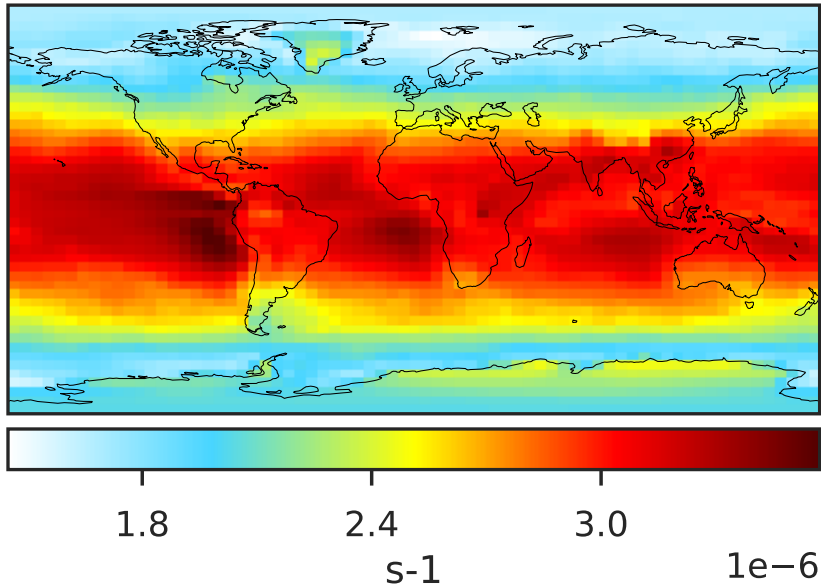


Ratio (1x1.25)  
Dev/Ref, Fixed Range

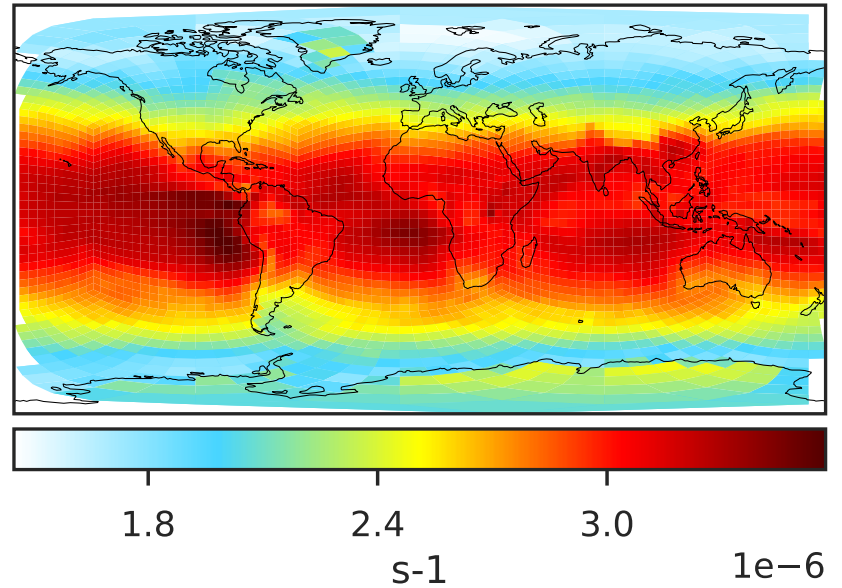


# Jval\_RP (AnnualMean)

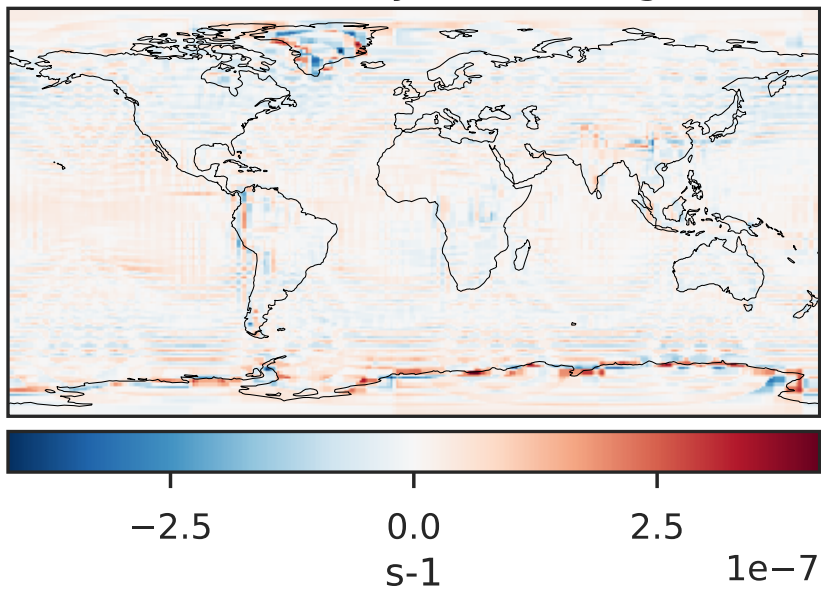
GCC\_14.2.0 (Ref)  
4.0x5.0



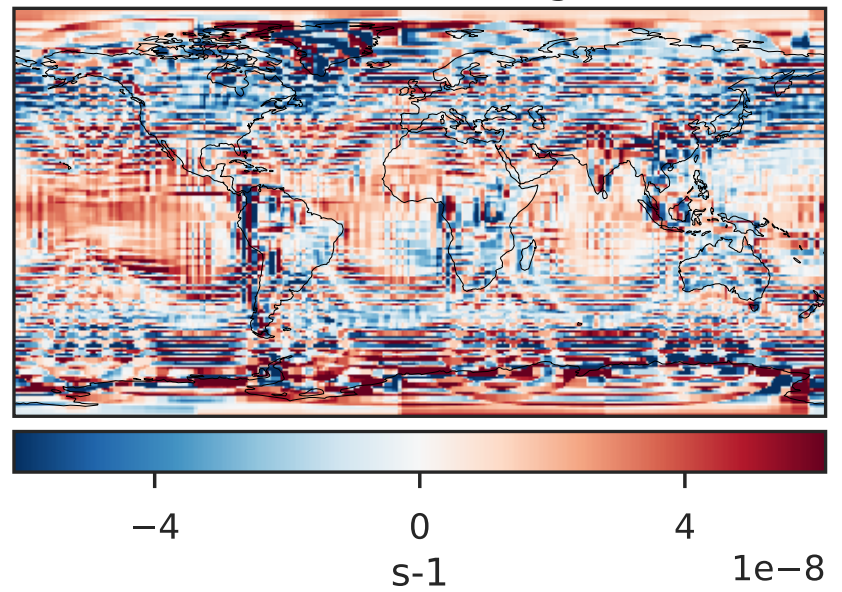
GCHP\_14.2.0 (Dev)  
c24



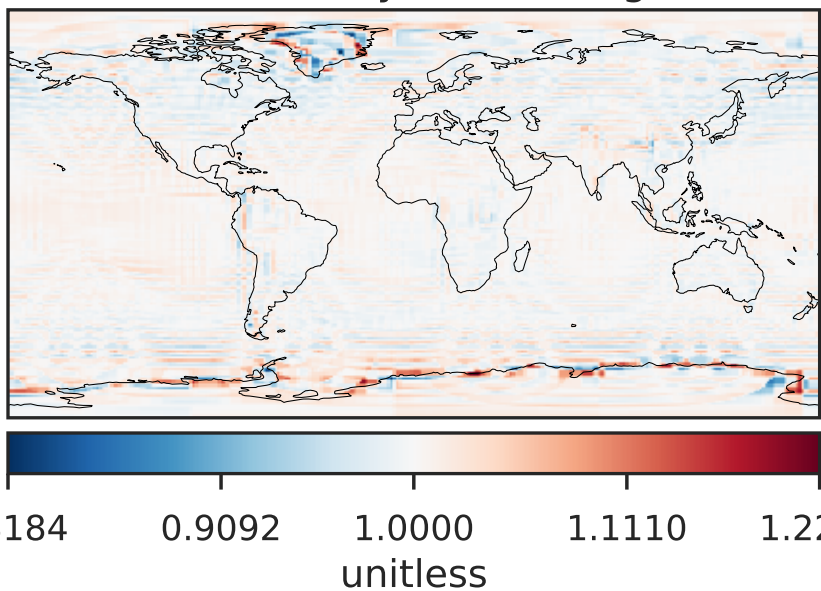
Difference (1x1.25)  
Dev - Ref, Dynamic Range



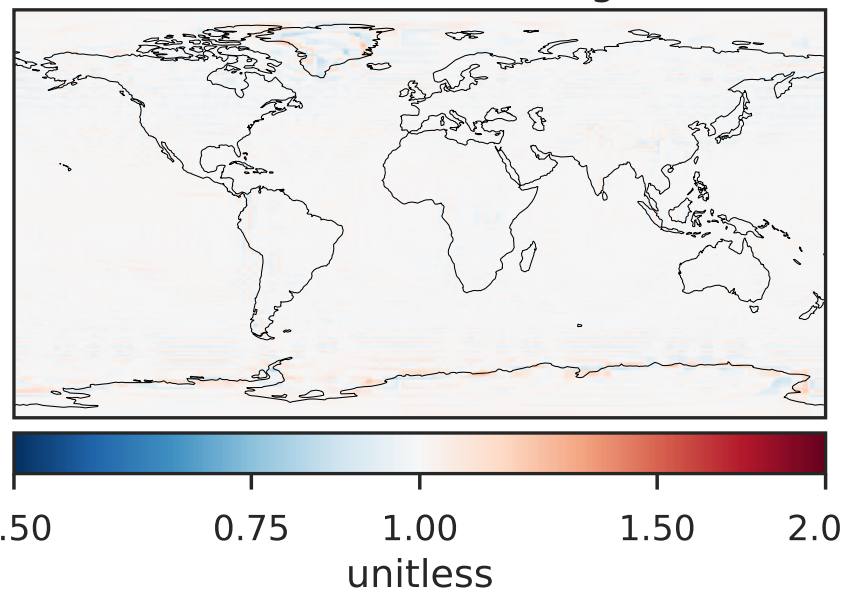
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)  
Dev/Ref, Dynamic Range

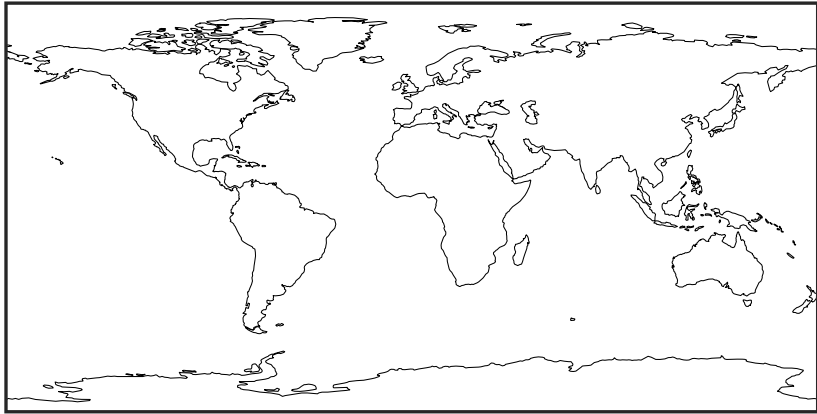


Ratio (1x1.25)  
Dev/Ref, Fixed Range



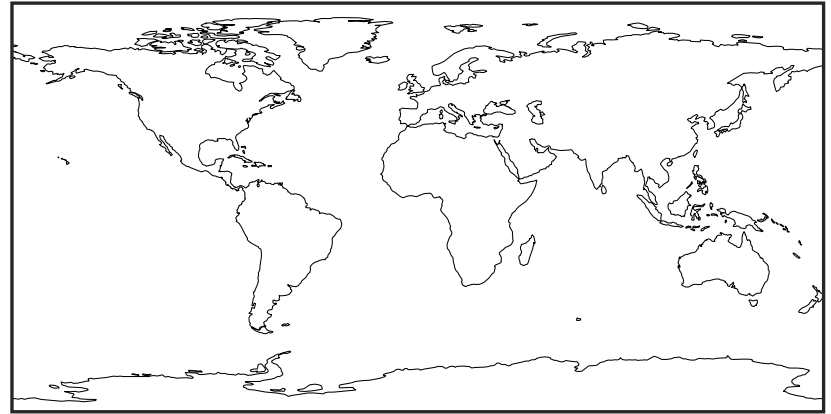
# Jval\_SO4 (AnnualMean)

GCC\_14.2.0 (Ref)  
4.0x5.0



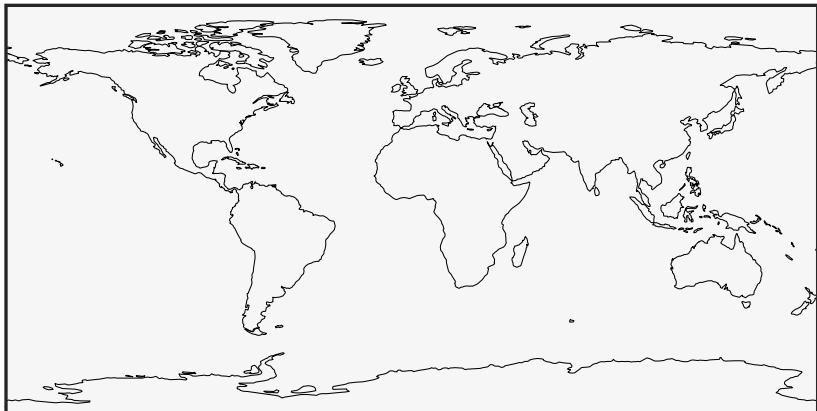
Zero throughput domain  
s-1

GCHP\_14.2.0 (Dev)  
c24



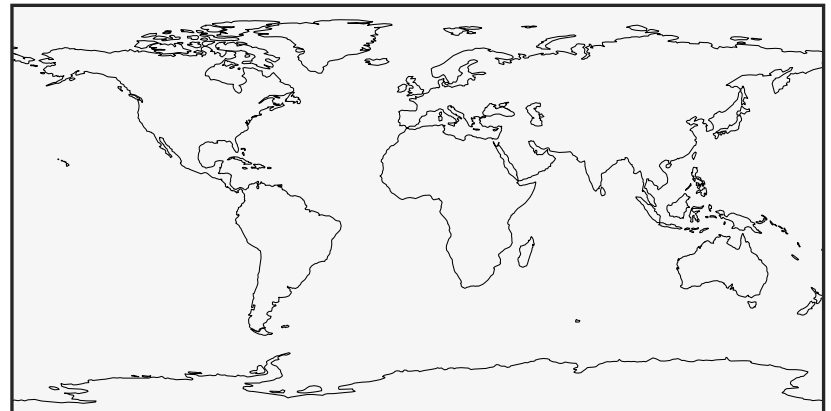
Zero throughput domain  
s-1

Difference (1x1.25)  
Dev - Ref, Dynamic Range



Zero throughput domain  
s-1

Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Zero throughput domain  
s-1

Ratio (1x1.25)  
Dev/Ref, Dynamic Range



Undefined throughput domain  
unitless

Ratio (1x1.25)  
Dev/Ref, Fixed Range



Undefined throughput domain  
unitless