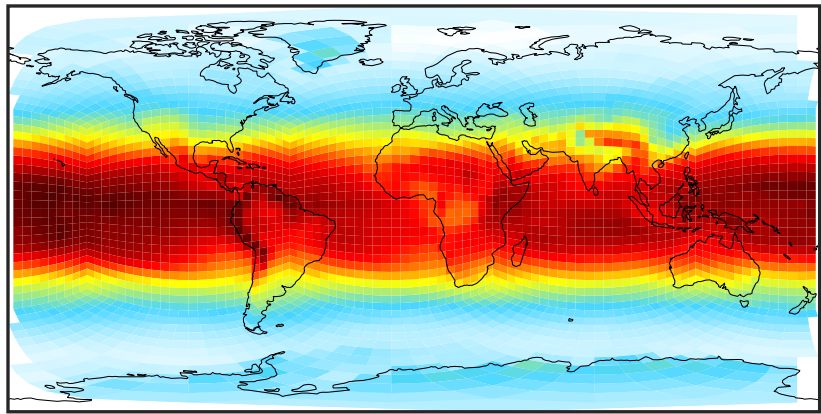


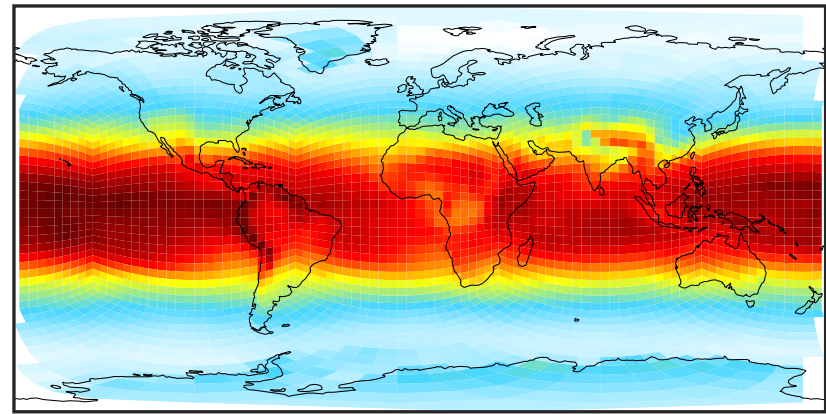
# JvalO301D (AnnualMean)

GCHP\_14.0.0 (Ref)  
c24



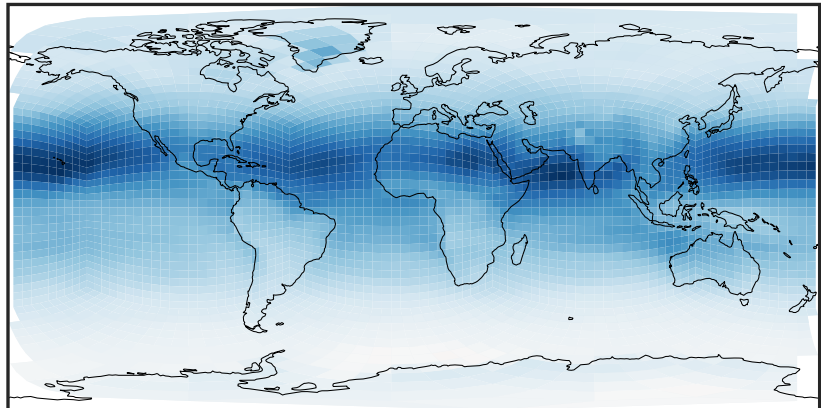
0.3 0.6 0.9 1.2  
s-1 1e-5

GCHP\_14.2.0 (Dev)  
c24



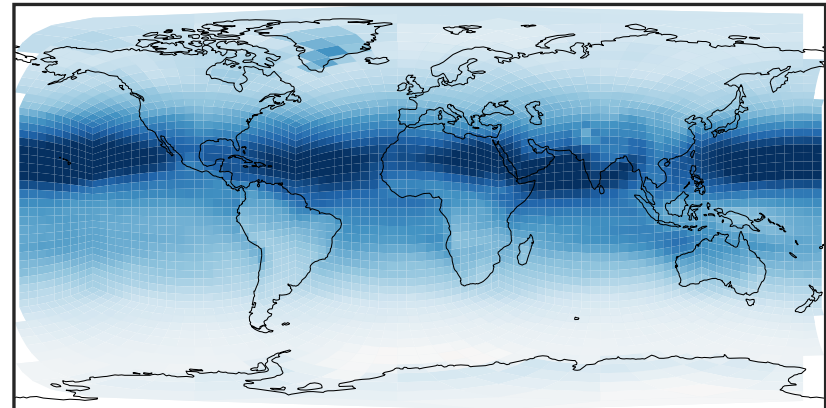
0.3 0.6 0.9 1.2  
s-1 1e-5

Difference  
Dev - Ref, Dynamic Range



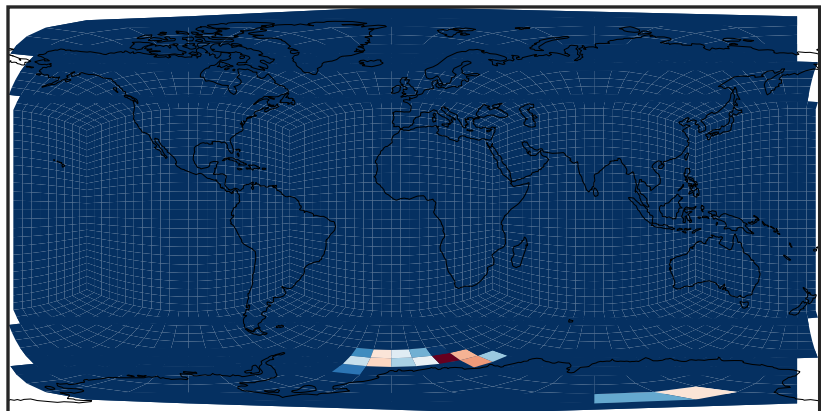
-2 0 2  
s-1 1e-7

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



-2 0 2  
s-1 1e-7

Ratio  
Dev/Ref, Dynamic Range



0.997690 0.998845 1.000000 1.001158 1.002315  
unitless

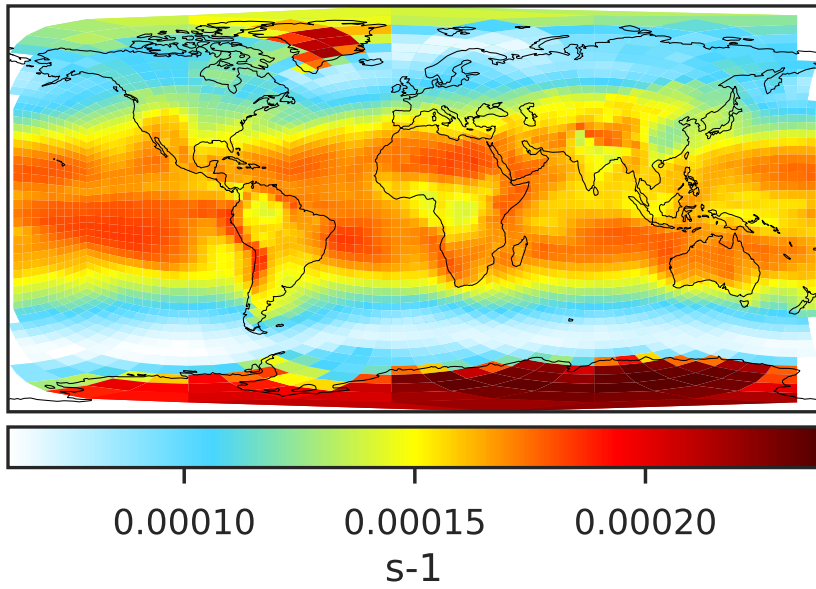
Ratio  
Dev/Ref, Fixed Range



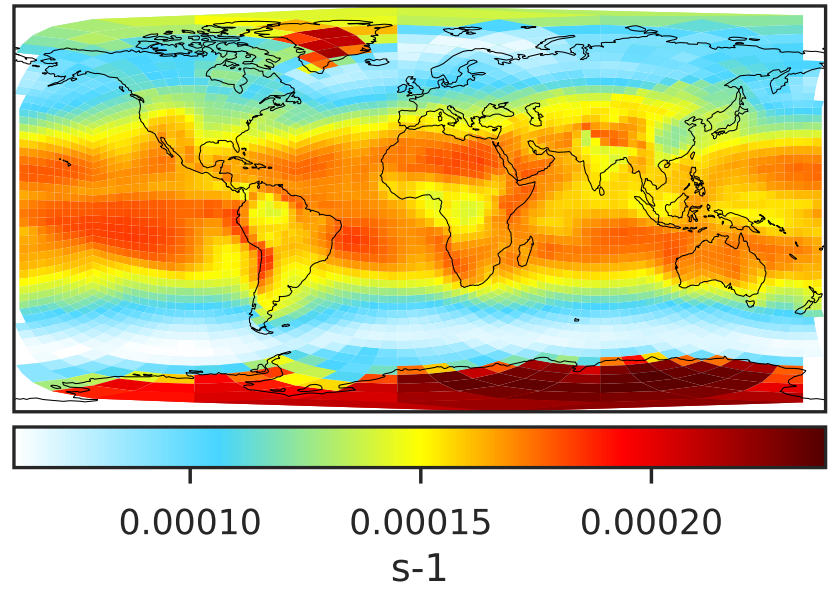
0.50 0.75 1.00 1.50 2.00  
unitless

# JvalO3O3P (AnnualMean)

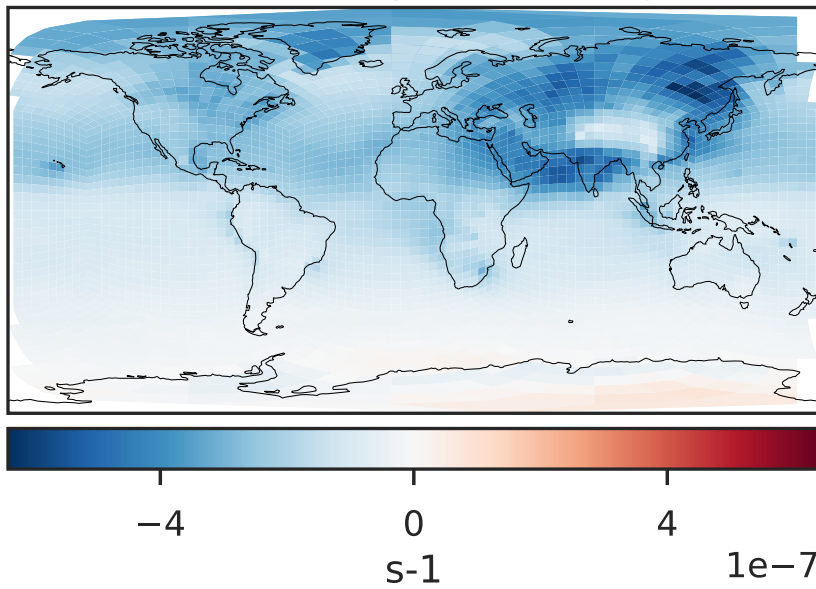
GCHP\_14.0.0 (Ref)  
c24



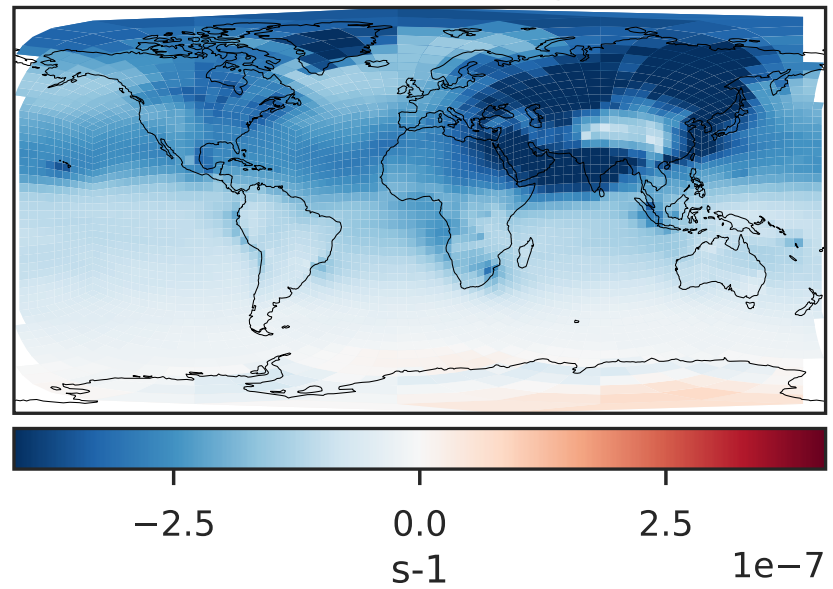
GCHP\_14.2.0 (Dev)  
c24



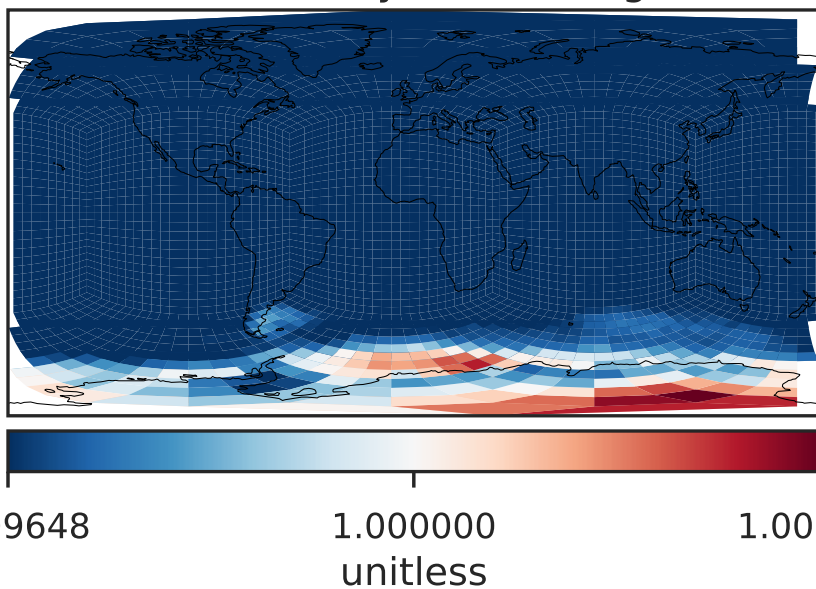
Difference  
Dev - Ref, Dynamic Range



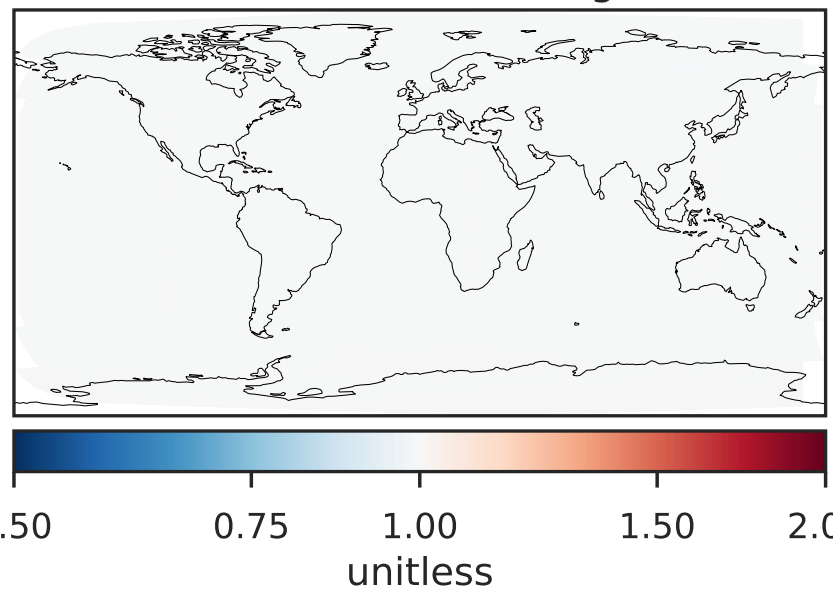
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



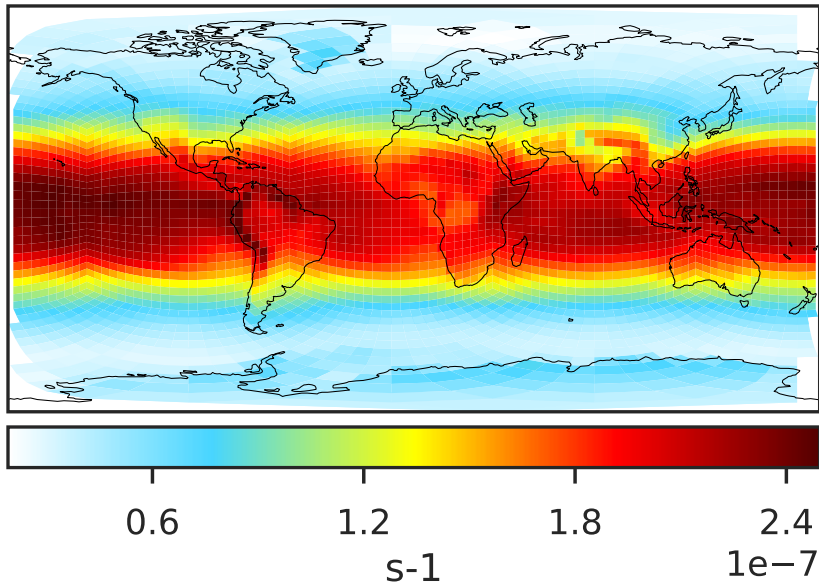
Ratio  
Dev/Ref, Fixed Range



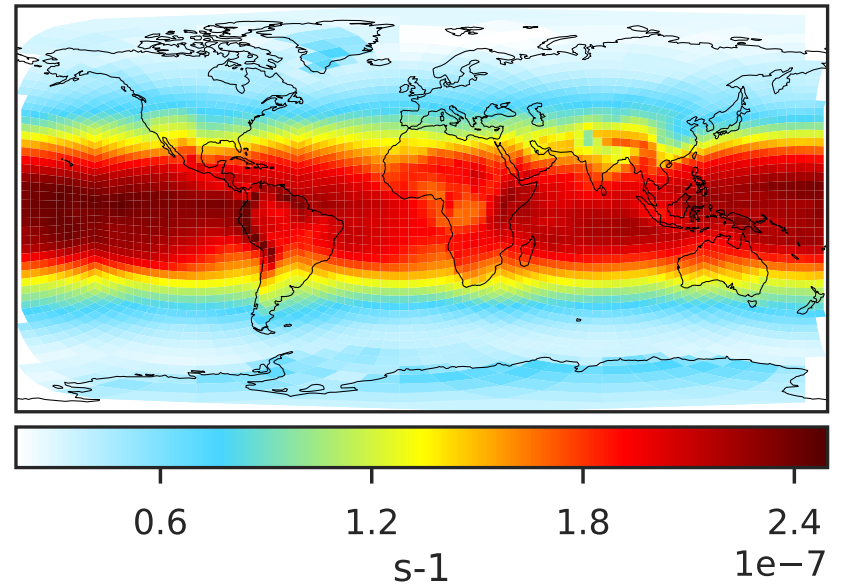


# Jval\_ACET (AnnualMean)

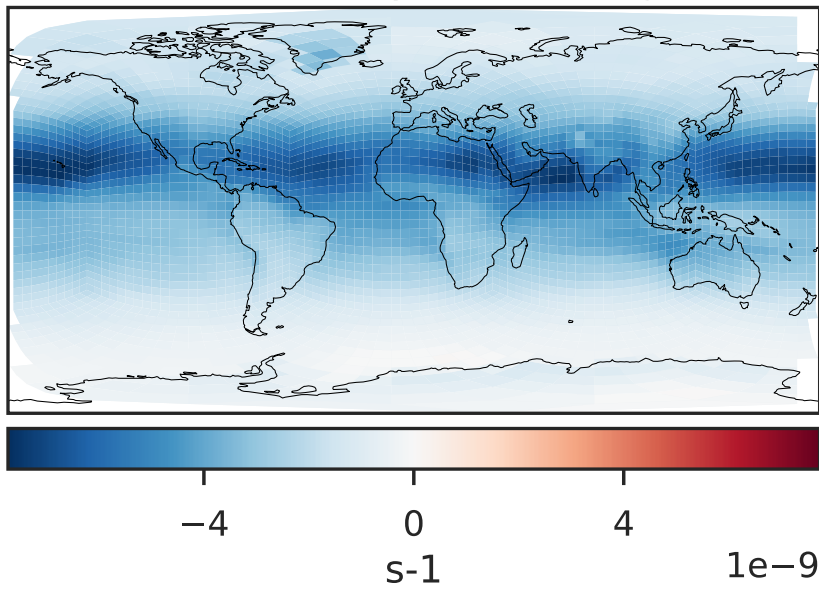
GCHP\_14.0.0 (Ref)  
c24



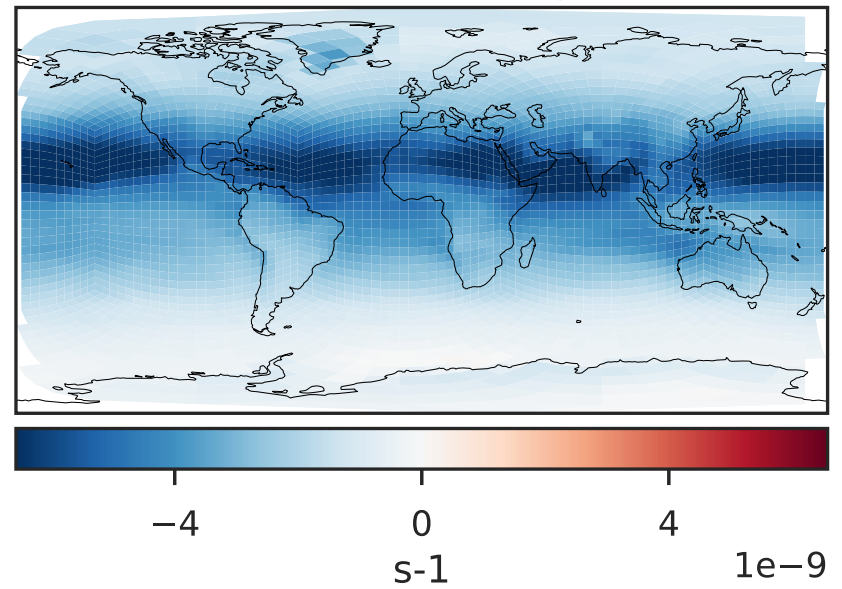
GCHP\_14.2.0 (Dev)  
c24



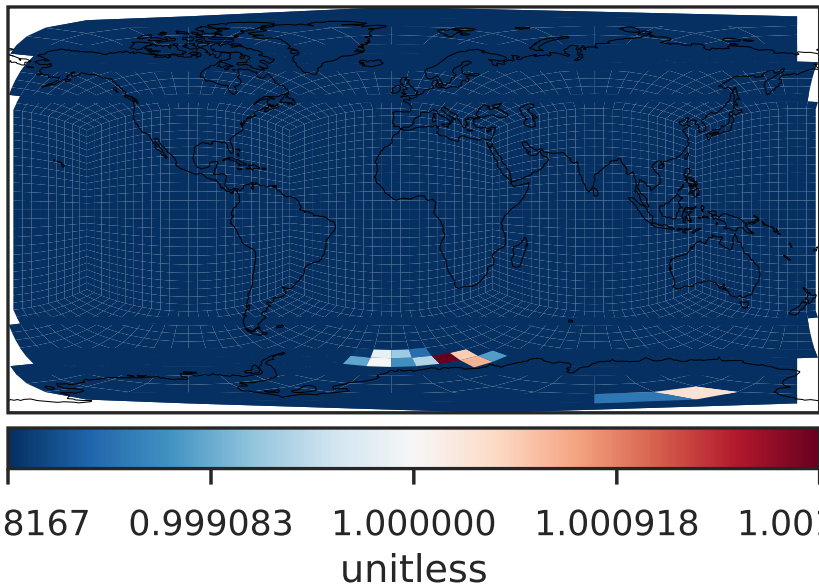
Difference  
Dev - Ref, Dynamic Range



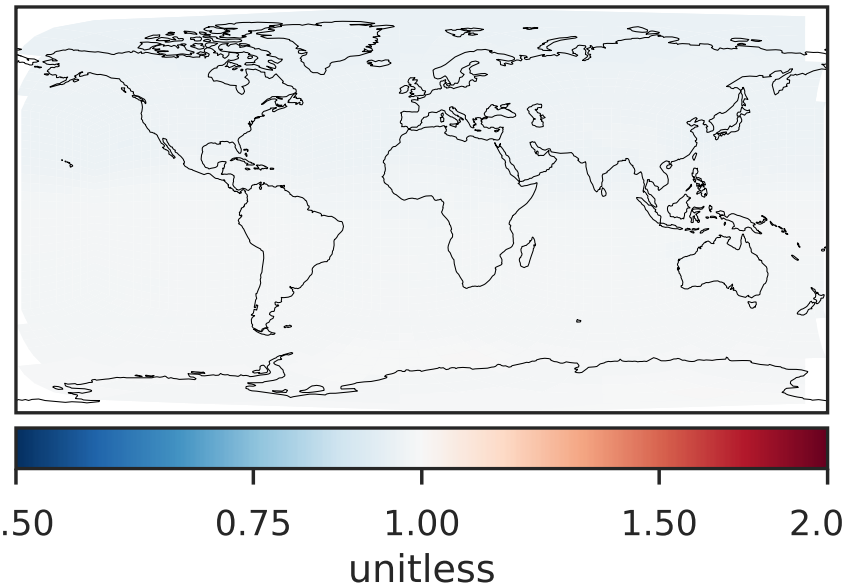
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

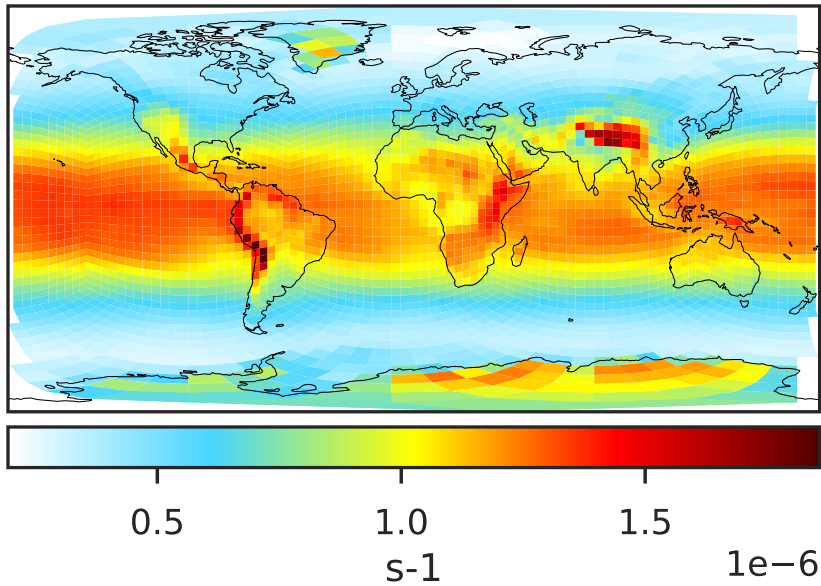


Ratio  
Dev/Ref, Fixed Range

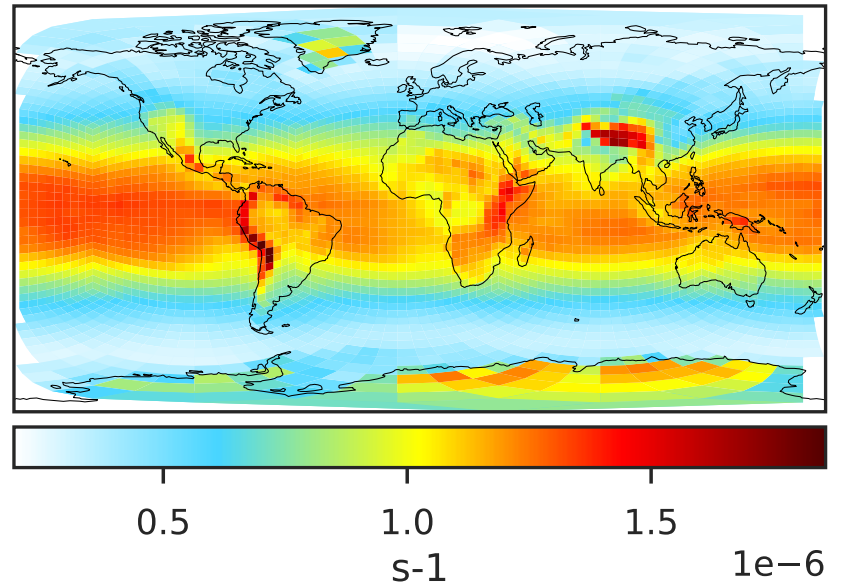


# Jval\_ALD2 (AnnualMean)

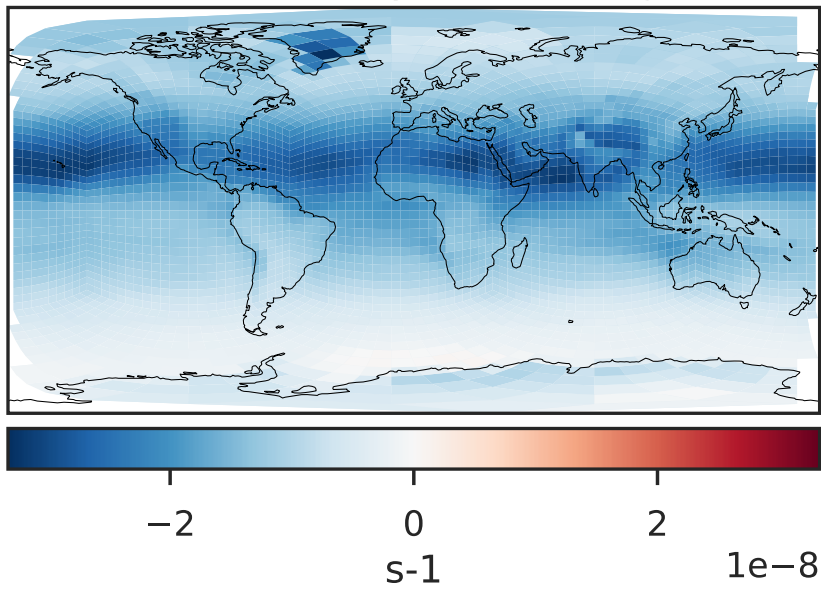
GCHP\_14.0.0 (Ref)  
c24



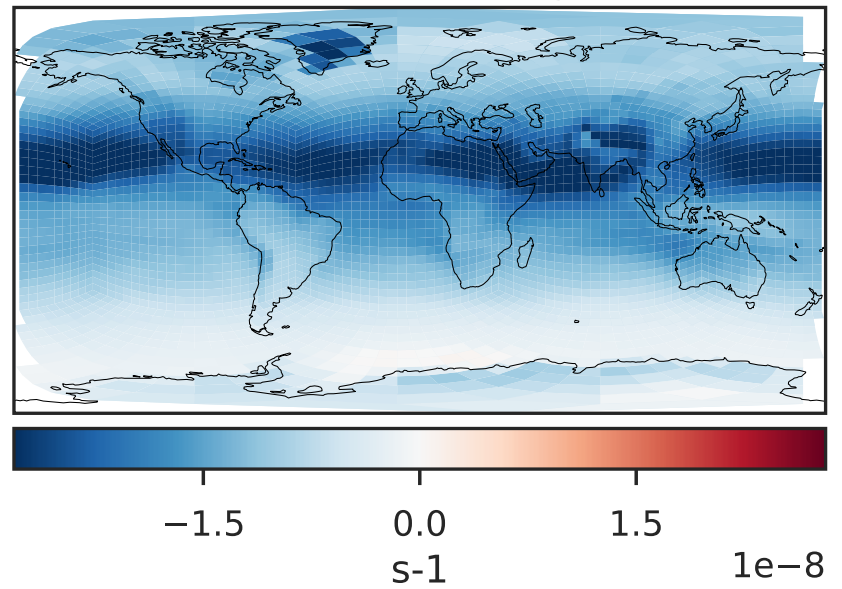
GCHP\_14.2.0 (Dev)  
c24



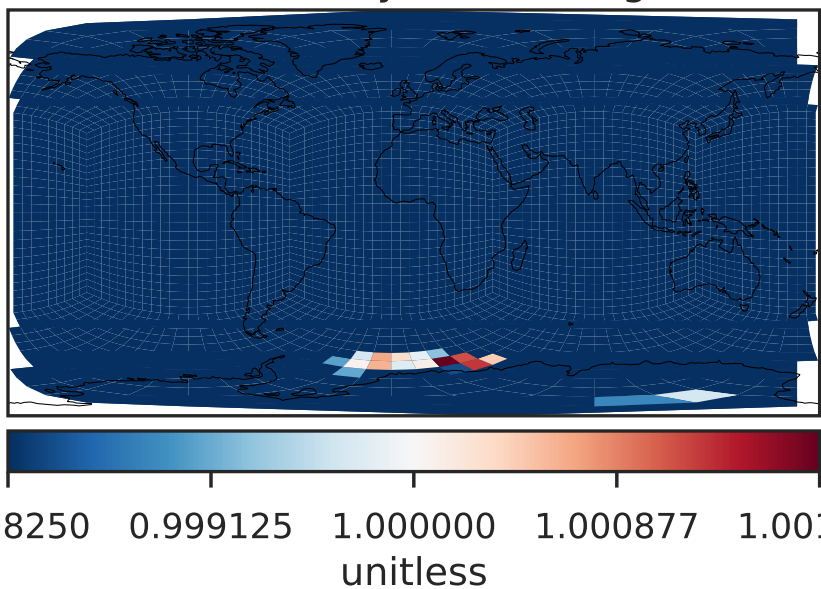
Difference  
Dev - Ref, Dynamic Range



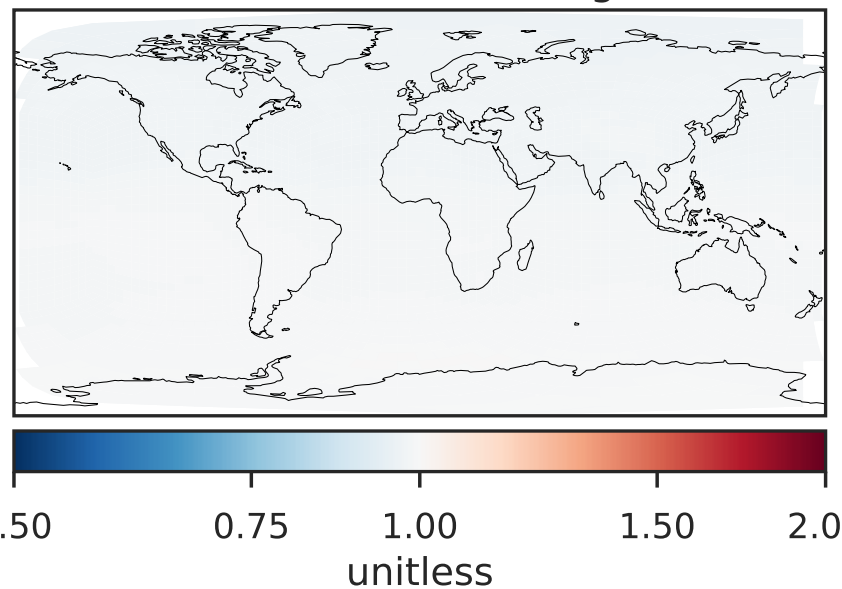
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



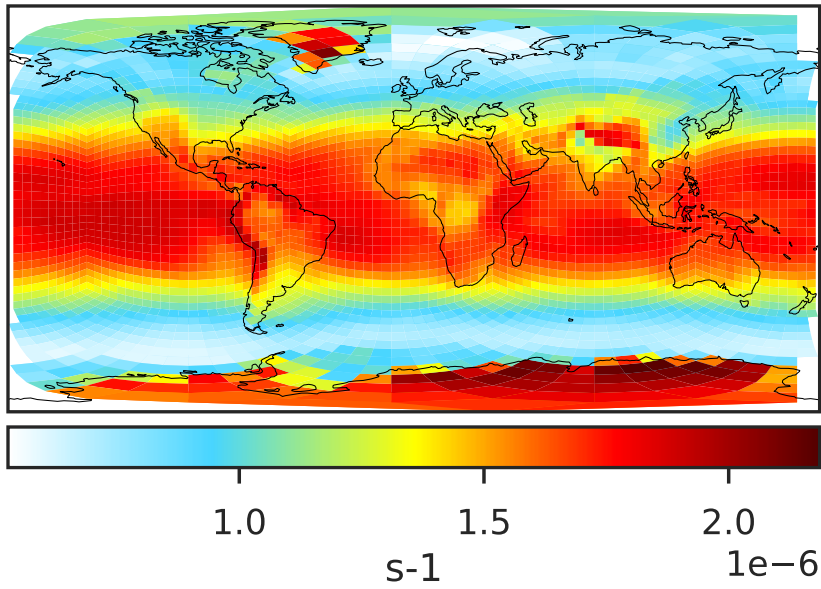
Ratio  
Dev/Ref, Fixed Range



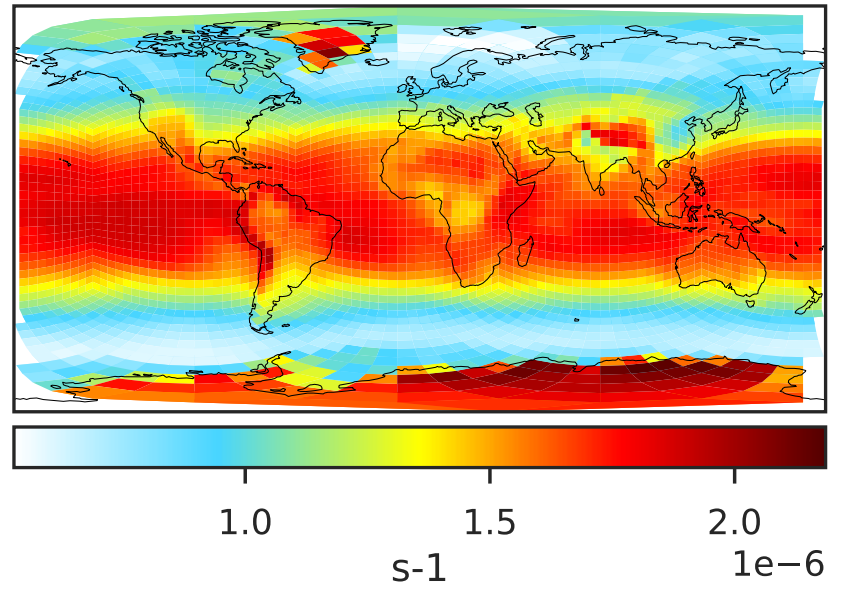


# Jval\_ATOOH (AnnualMean)

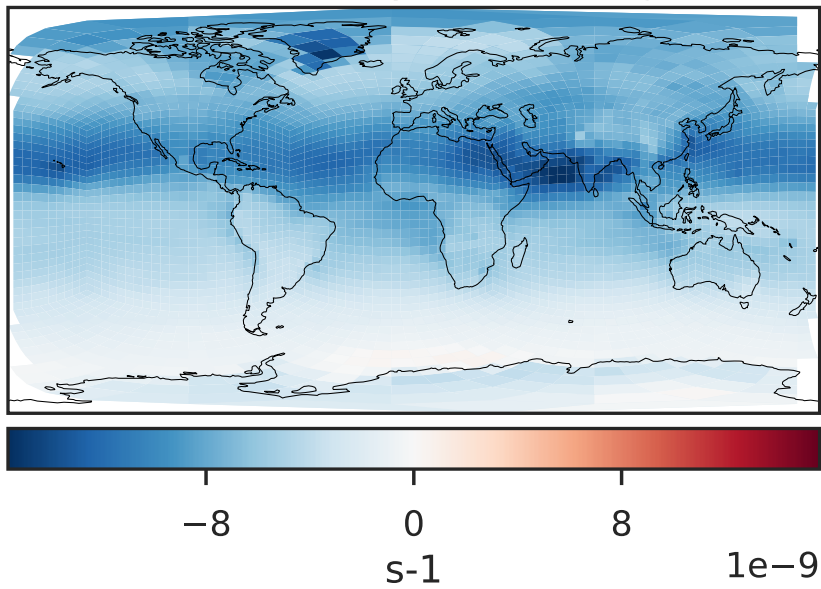
GCHP\_14.0.0 (Ref)  
c24



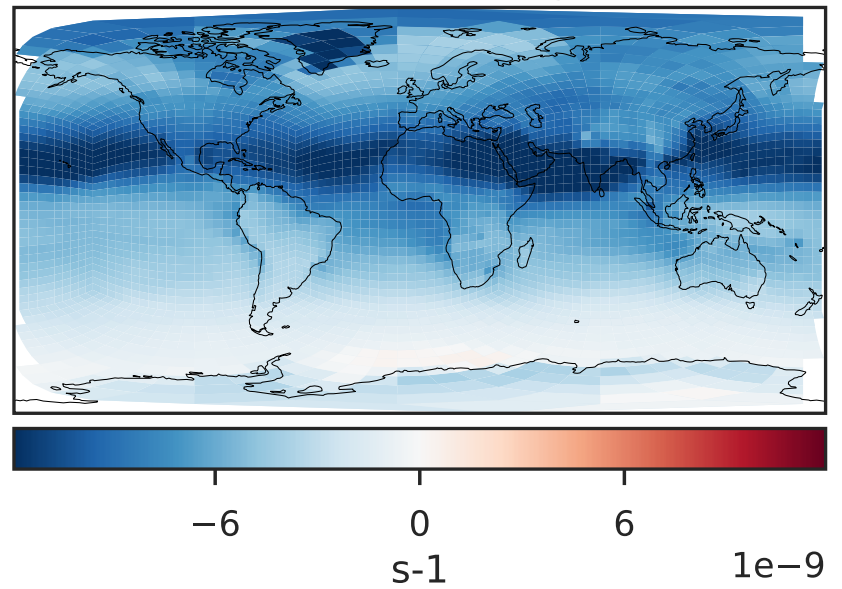
GCHP\_14.2.0 (Dev)  
c24



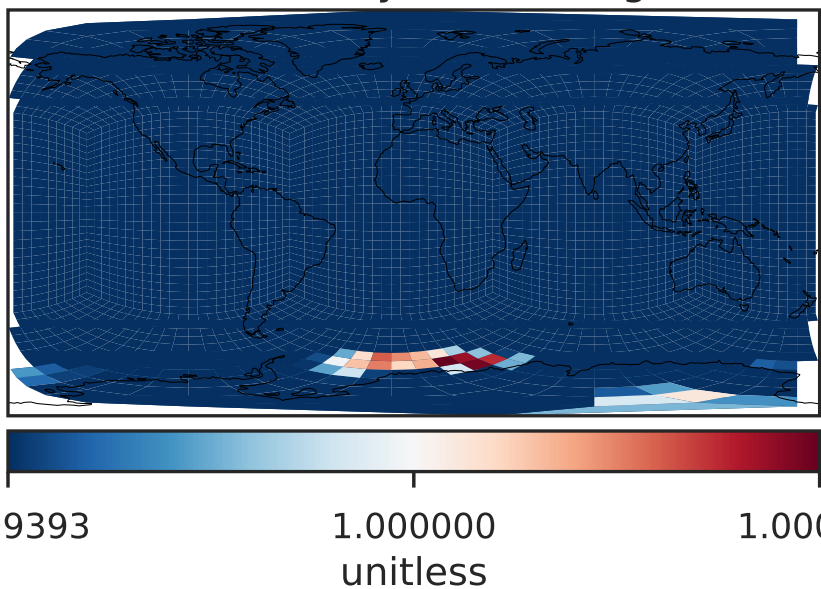
Difference  
Dev - Ref, Dynamic Range



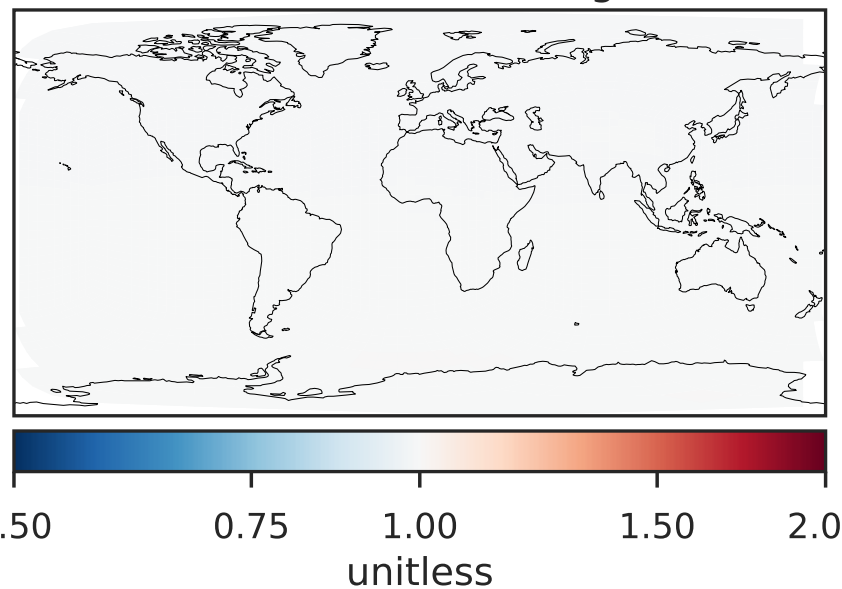
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



Ratio  
Dev/Ref, Fixed Range



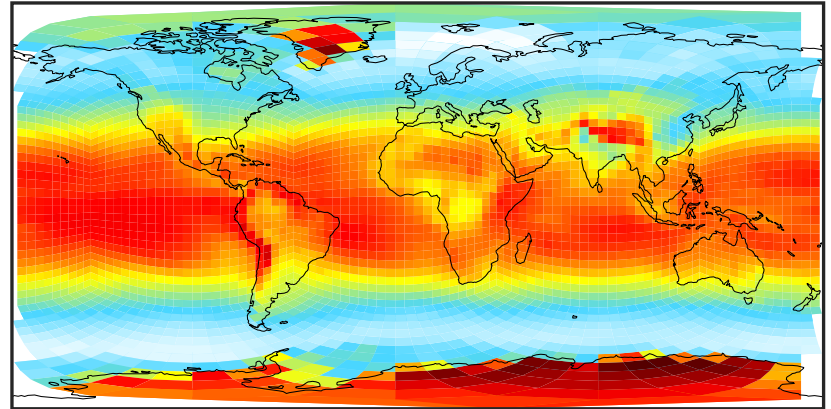
# Jval\_BALD (AnnualMean)

GCHP\_14.0.0 (Ref)  
c24



Undefined throughout domain  
s-1

GCHP\_14.2.0 (Dev)  
c24



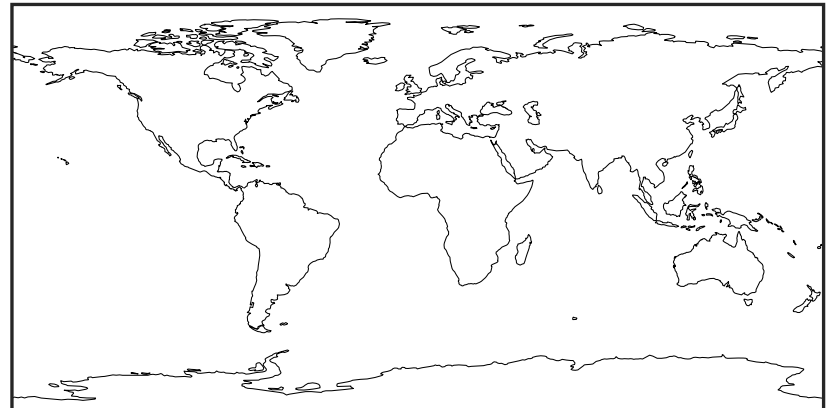
4 6 8  
s-1 1e-6

Difference  
Dev - Ref, Dynamic Range



Undefined throughout domain  
s-1

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



Undefined throughout domain  
s-1

Ratio  
Dev/Ref, Dynamic Range



Undefined throughout domain  
unitless

Ratio  
Dev/Ref, Fixed Range

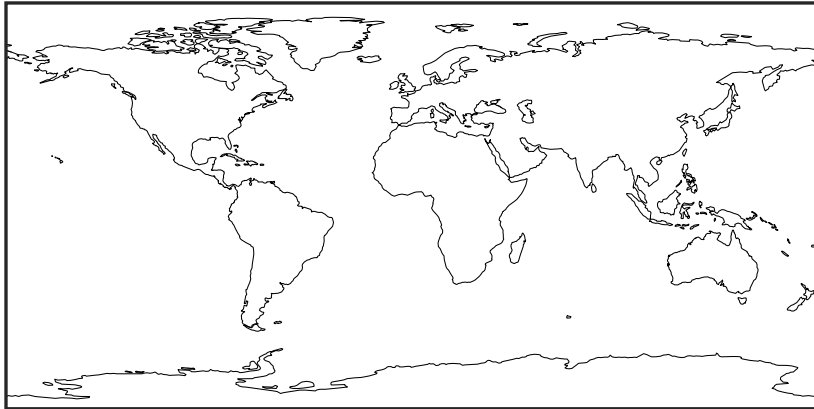


Undefined throughout domain  
unitless



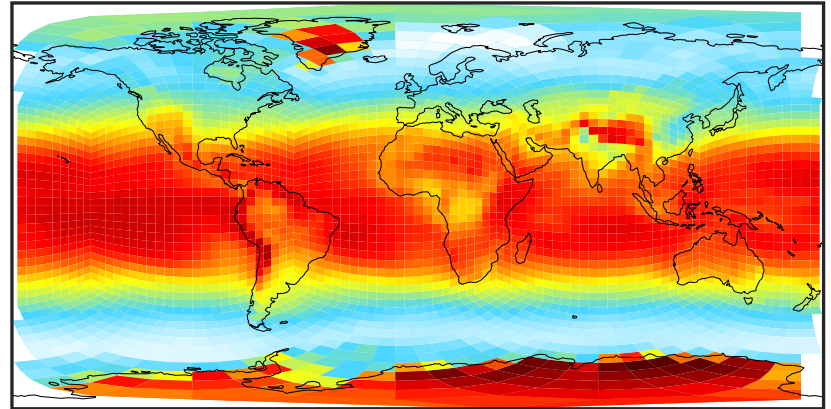
# Jval\_BENZP (AnnualMean)

GCHP\_14.0.0 (Ref)  
c24



Undefined throughout domain  
s-1

GCHP\_14.2.0 (Dev)  
c24



1.0 1.5 2.0  
s-1  $1e-6$

Difference  
Dev - Ref, Dynamic Range



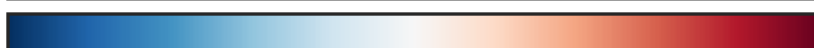
Undefined throughout domain  
s-1

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



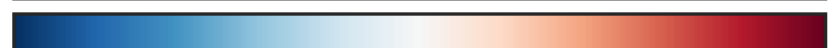
Undefined throughout domain  
s-1

Ratio  
Dev/Ref, Dynamic Range



Undefined throughout domain  
unitless

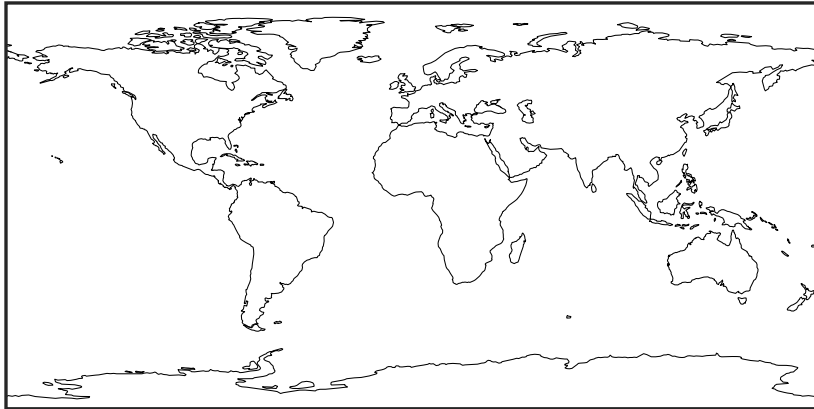
Ratio  
Dev/Ref, Fixed Range



Undefined throughout domain  
unitless

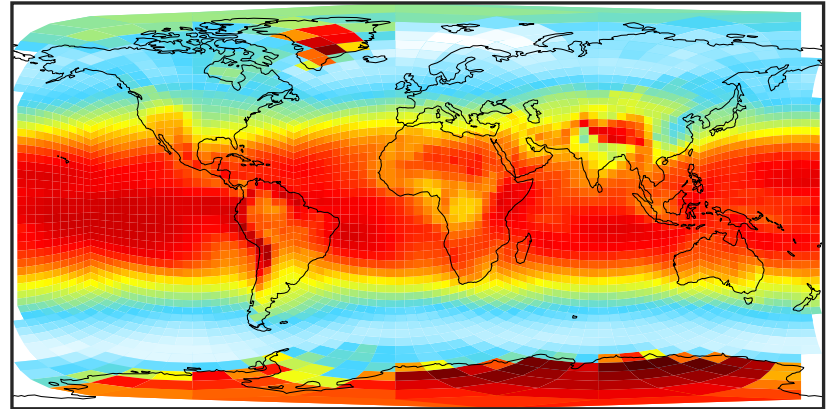
# Jval\_BZCO3H (AnnualMean)

GCHP\_14.0.0 (Ref)  
c24



Undefined throughout domain  
s-1

GCHP\_14.2.0 (Dev)  
c24



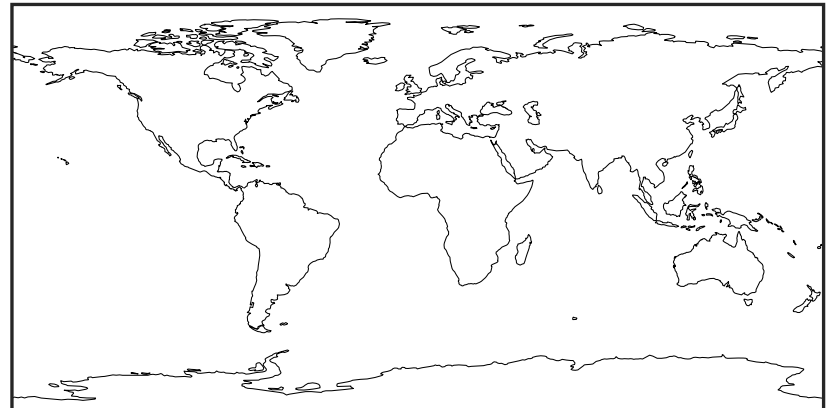
1.0 1.5 2.0  
s-1 1e-6

Difference  
Dev - Ref, Dynamic Range



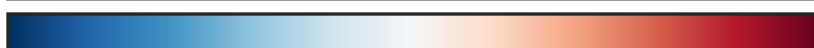
Undefined throughout domain  
s-1

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



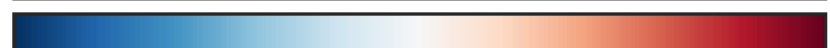
Undefined throughout domain  
s-1

Ratio  
Dev/Ref, Dynamic Range



Undefined throughout domain  
unitless

Ratio  
Dev/Ref, Fixed Range

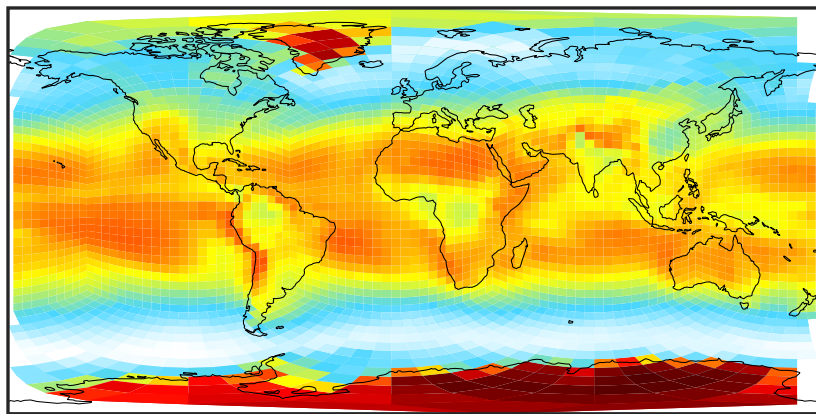


Undefined throughout domain  
unitless



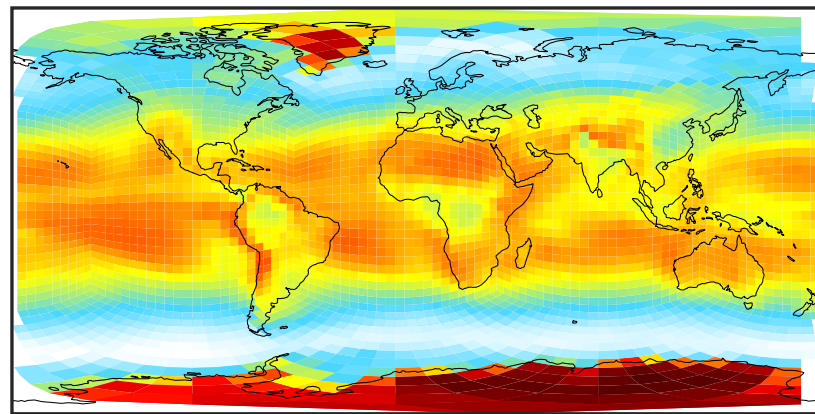
# Jval\_Br2 (AnnualMean)

GCHP\_14.0.0 (Ref)  
c24



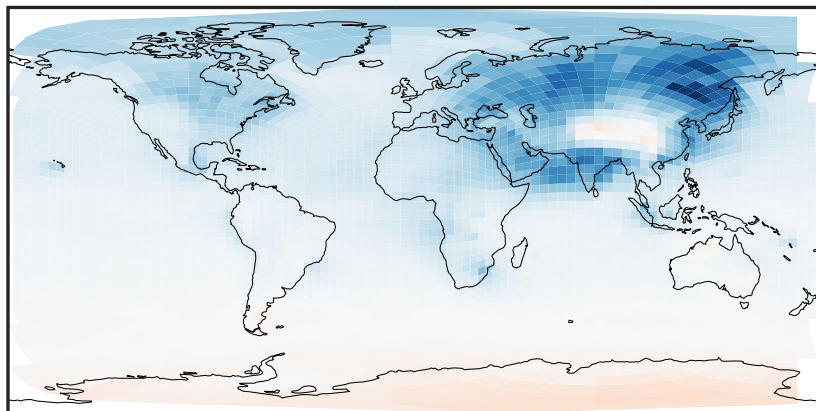
0.008 0.012 0.016  
s-1

GCHP\_14.2.0 (Dev)  
c24



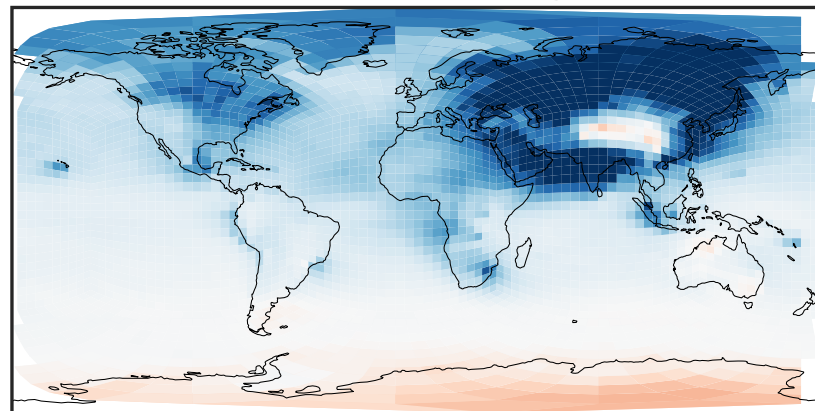
0.008 0.012 0.016  
s-1

Difference  
Dev - Ref, Dynamic Range



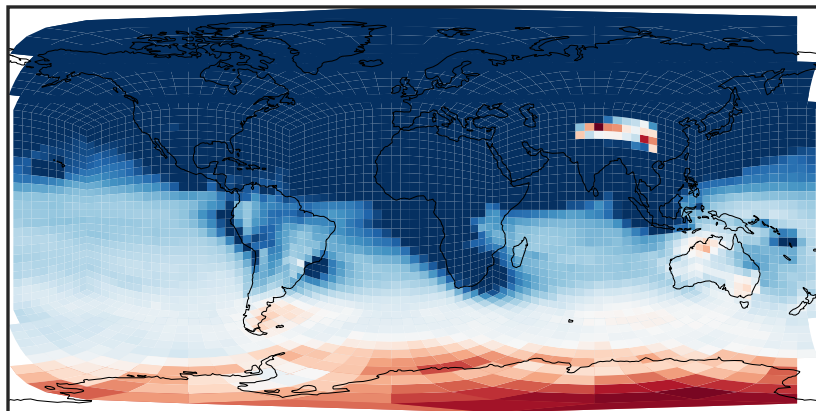
-2.5 0.0 2.5  
s-1 1e-5

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



-1.5 0.0 1.5  
s-1 1e-5

Ratio  
Dev/Ref, Dynamic Range



0.9995859 1.000000 1.0004143  
unitless

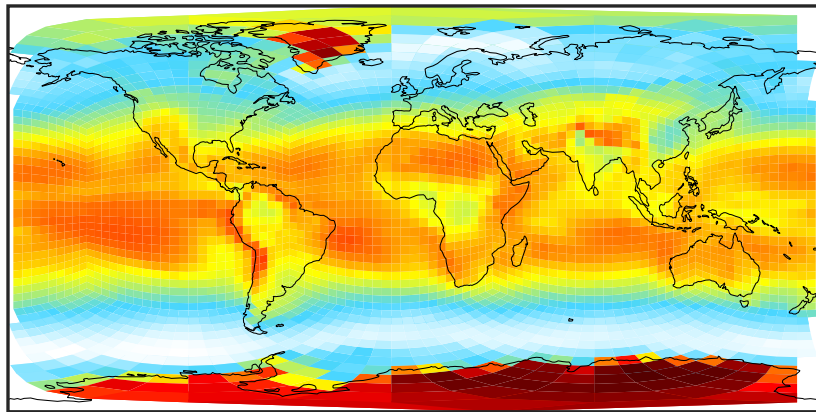
Ratio  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

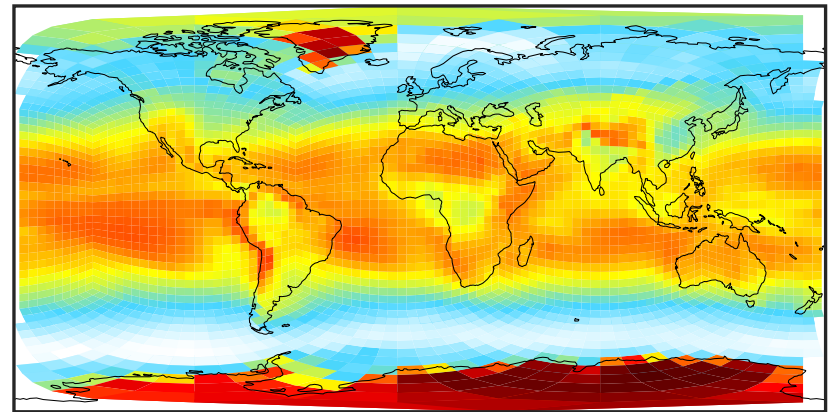
# Jval\_BrCl (AnnualMean)

GCHP\_14.0.0 (Ref)  
c24



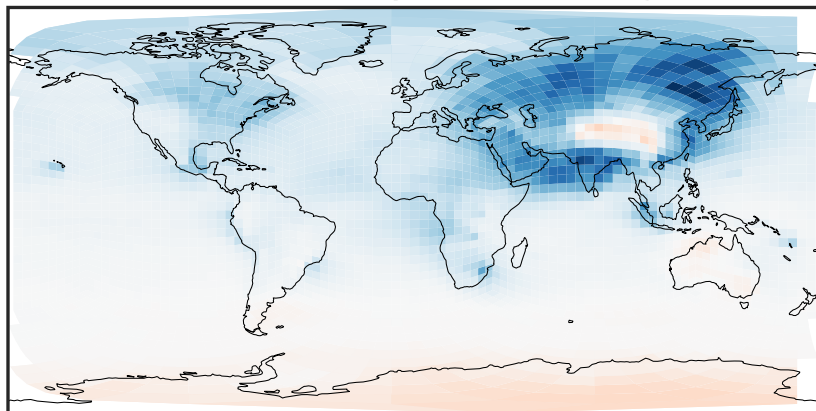
0.0015      0.0030      0.0045  
s-1

GCHP\_14.2.0 (Dev)  
c24



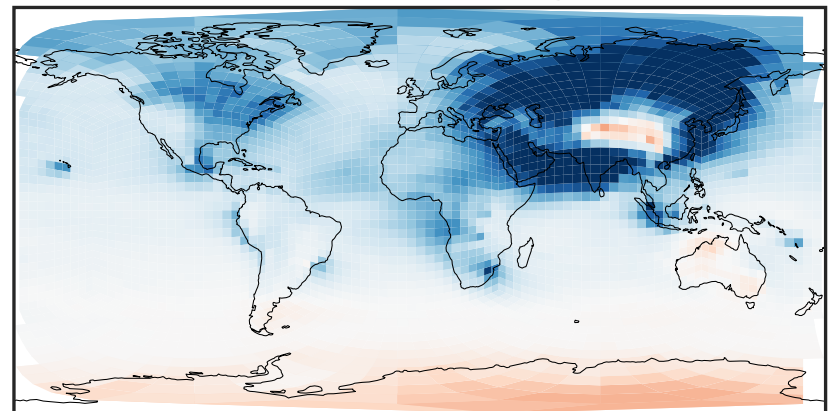
0.0015      0.0030      0.0045  
s-1

Difference  
Dev - Ref, Dynamic Range



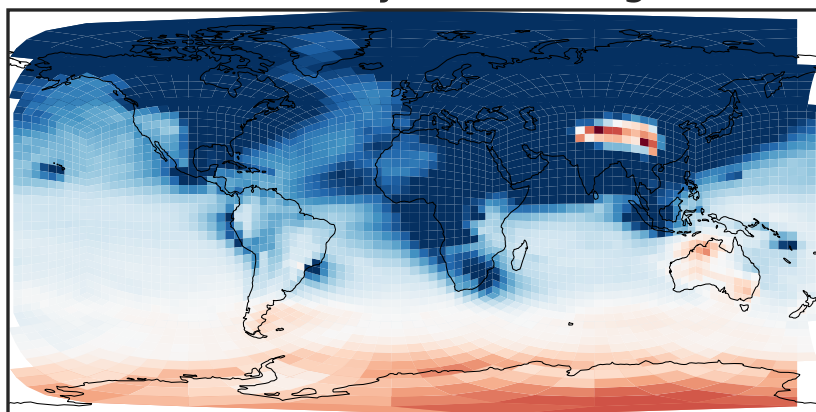
-6      0      6  
s-1       $1e-6$

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



-3      0      3  
s-1       $1e-6$

Ratio  
Dev/Ref, Dynamic Range



0.999373      1.000000      1.000627  
unitless

Ratio  
Dev/Ref, Fixed Range

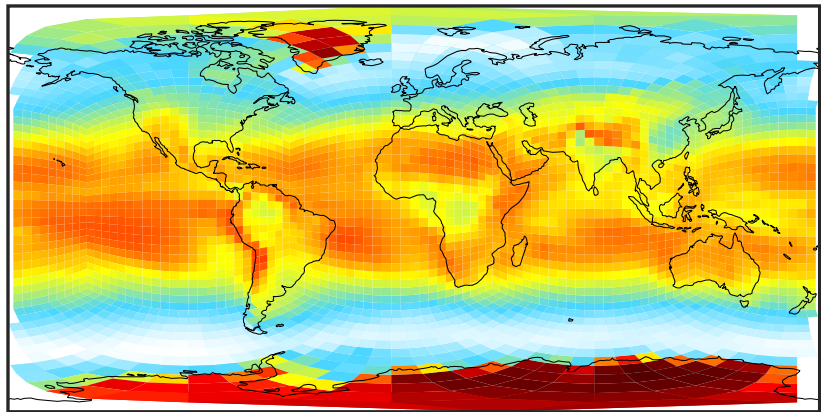


0.50      0.75      1.00      1.50      2.00  
unitless



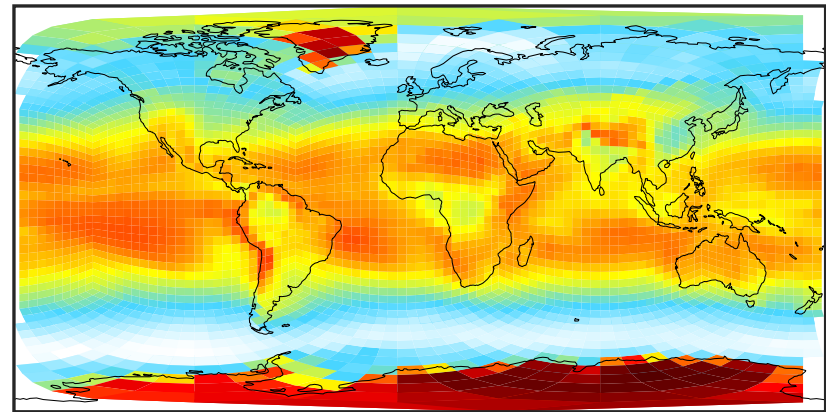
# Jval\_BrNO2 (AnnualMean)

GCHP\_14.0.0 (Ref)  
c24



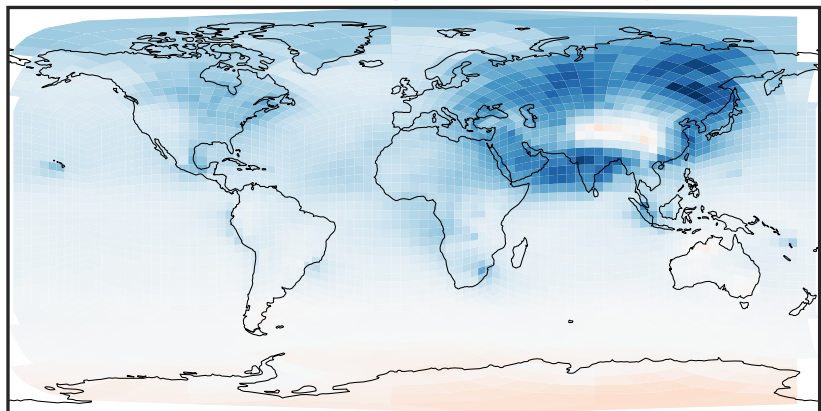
0.0016 0.0024 0.0032  
s-1

GCHP\_14.2.0 (Dev)  
c24



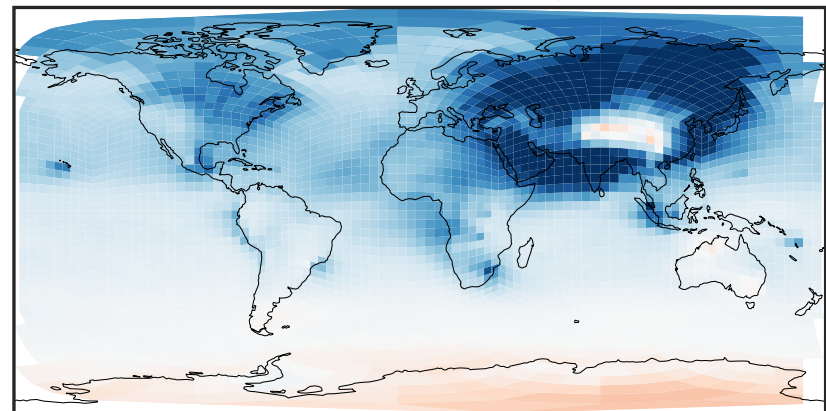
0.0016 0.0024 0.0032  
s-1

Difference  
Dev - Ref, Dynamic Range



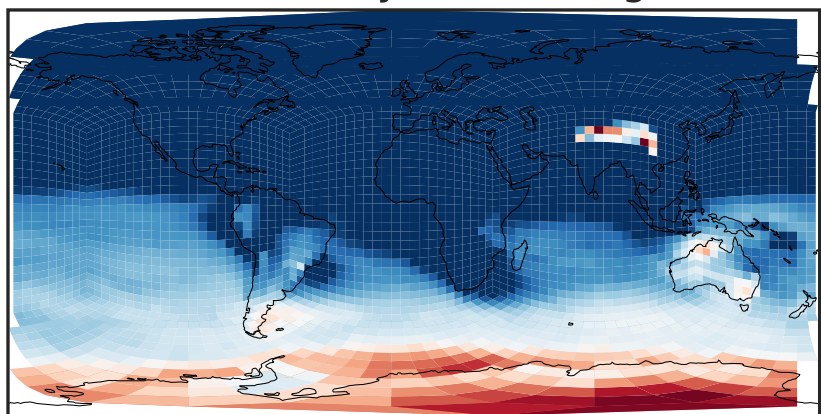
-4 0 4  
s-1 1e-6

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



-2.5 0.0 2.5  
s-1 1e-6

Ratio  
Dev/Ref, Dynamic Range



0.9996100 1.0000000 1.0003902  
unitless

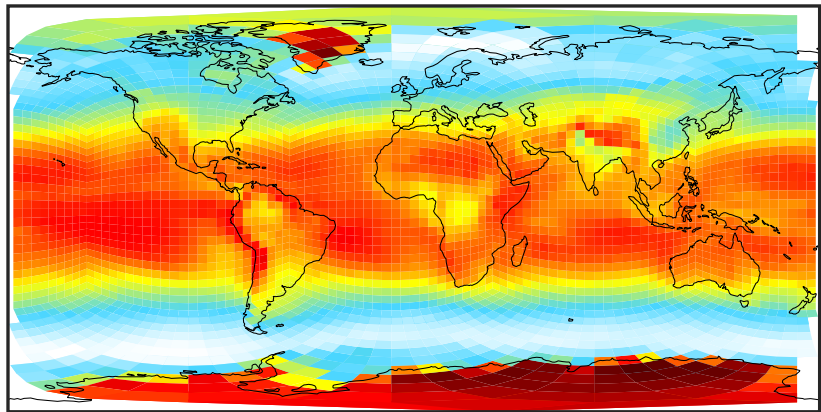
Ratio  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

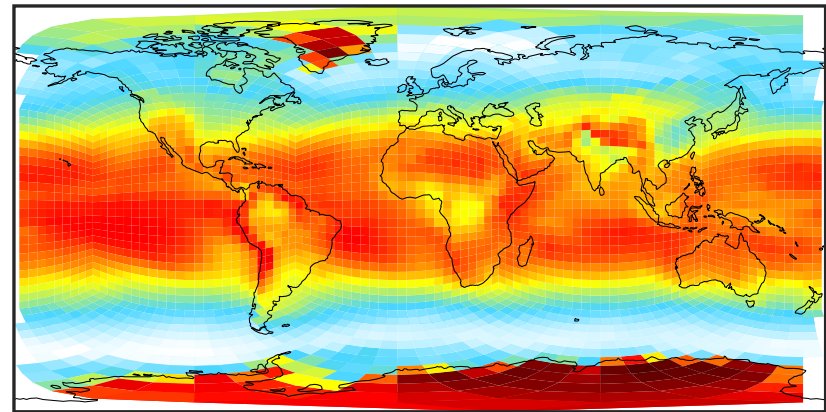
# Jval\_BrNO3 (AnnualMean)

GCHP\_14.0.0 (Ref)  
c24



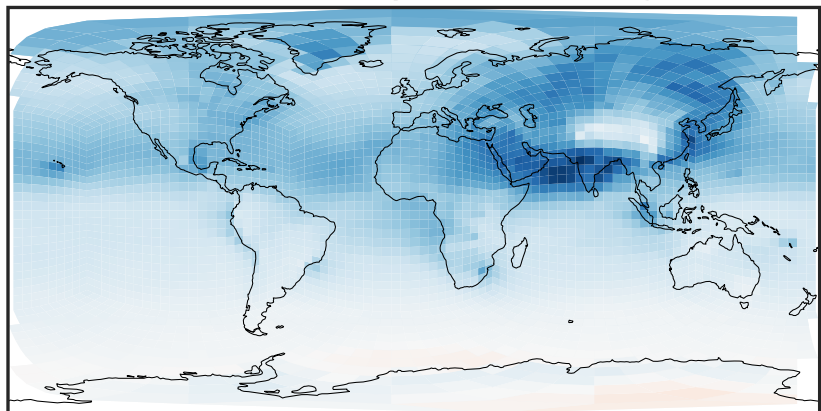
0.00030 0.00045 0.00060  
s-1

GCHP\_14.2.0 (Dev)  
c24



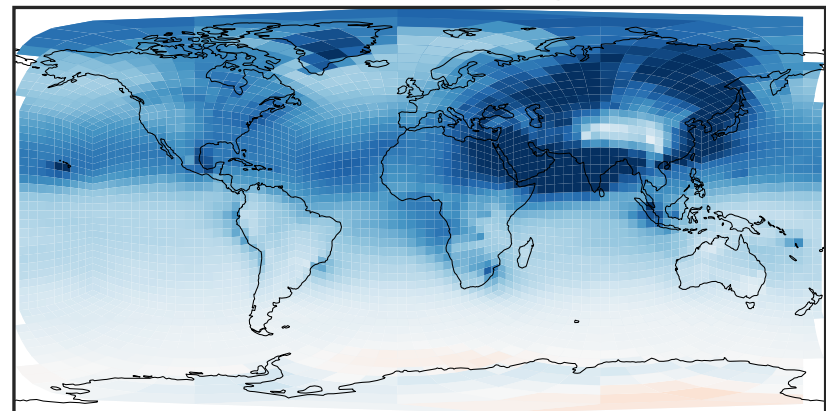
0.00030 0.00045 0.00060  
s-1

Difference  
Dev - Ref, Dynamic Range



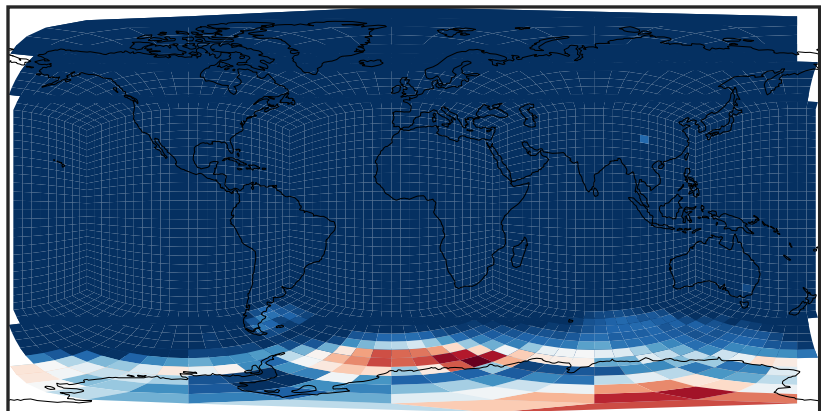
-1 0 1  
s-1 1e-6

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



-6 0 6  
s-1 1e-7

Ratio  
Dev/Ref, Dynamic Range



0.9996408 1.000000 1.0003593  
unitless

Ratio  
Dev/Ref, Fixed Range

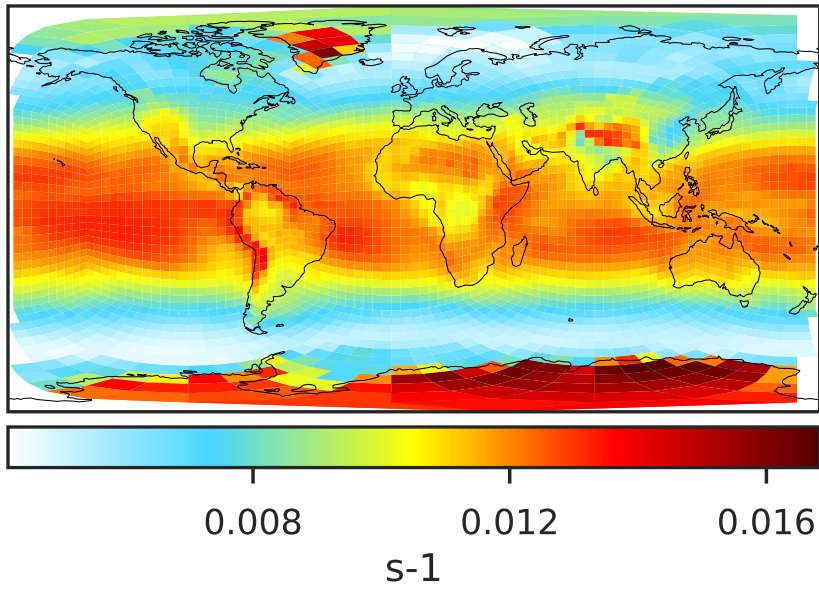


0.50 0.75 1.00 1.50 2.00  
unitless

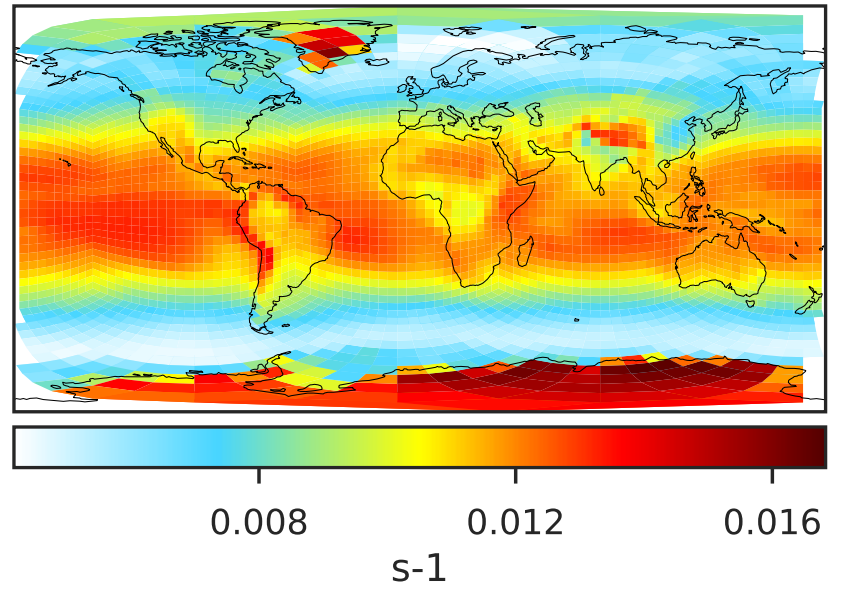


# Jval\_BrO (AnnualMean)

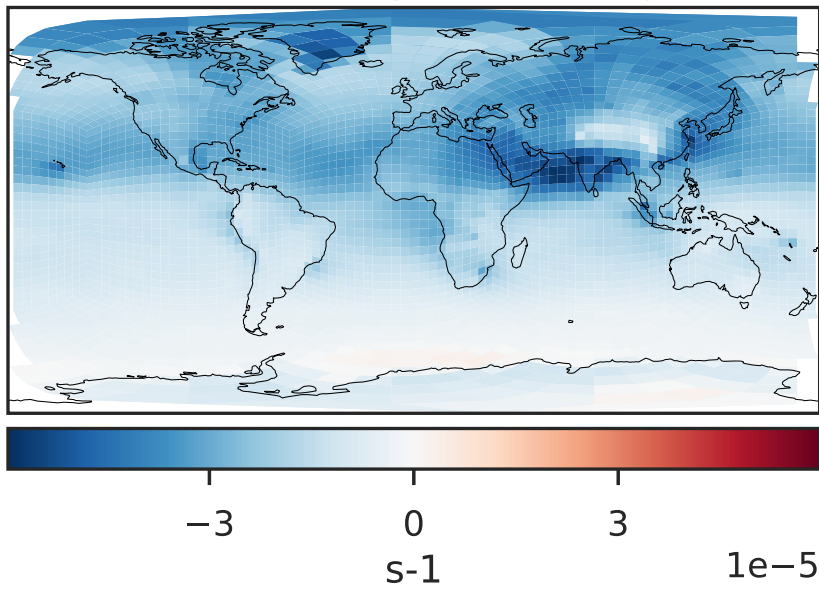
GCHP\_14.0.0 (Ref)  
c24



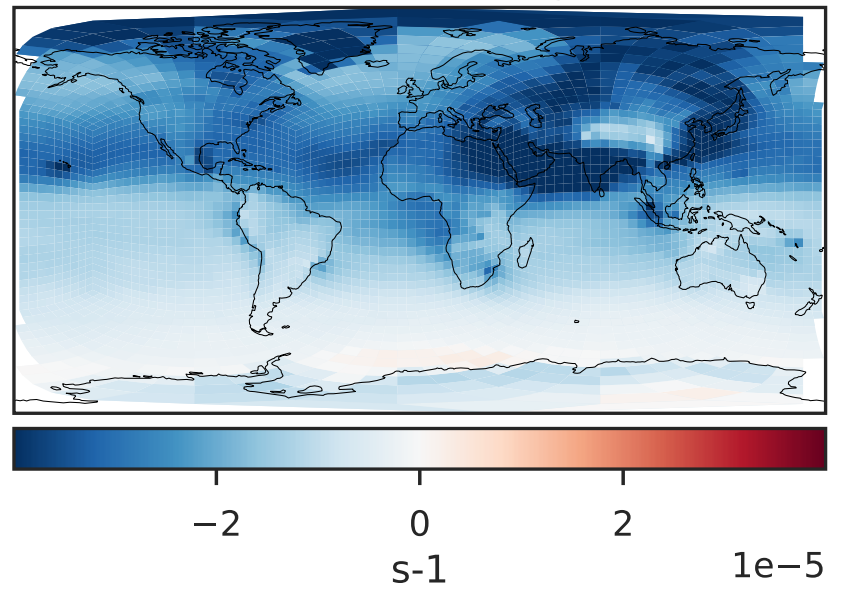
GCHP\_14.2.0 (Dev)  
c24



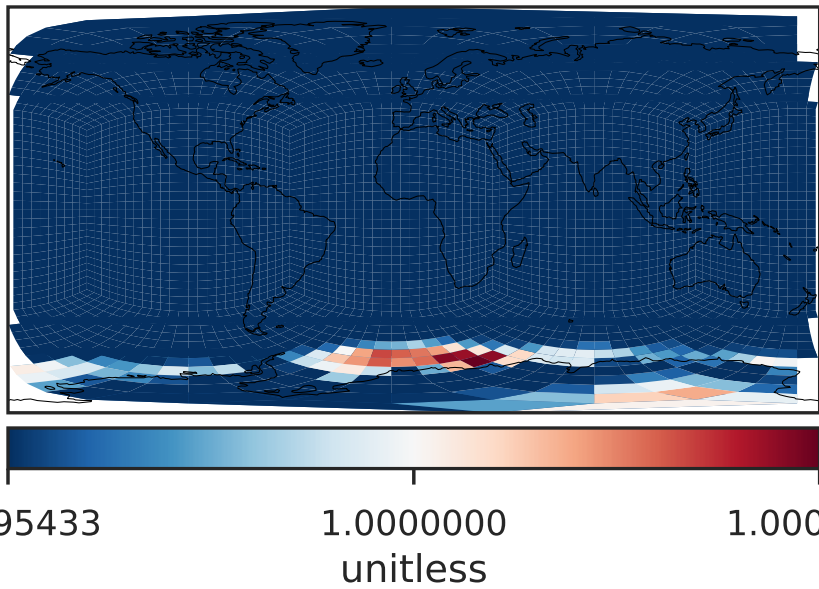
Difference  
Dev - Ref, Dynamic Range



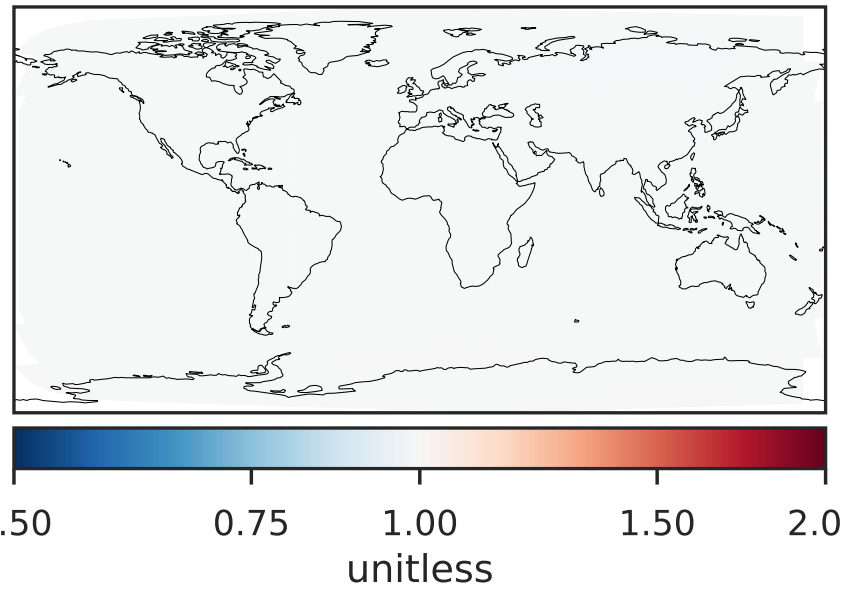
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



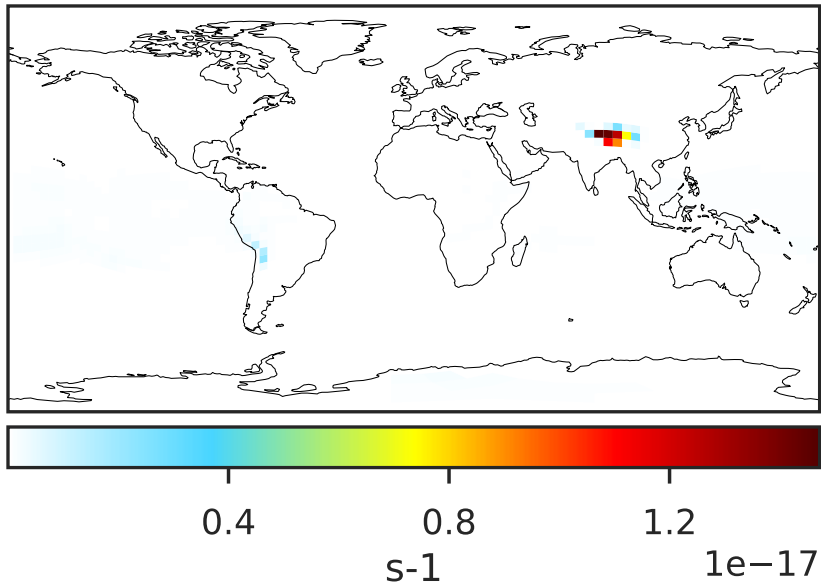
Ratio  
Dev/Ref, Fixed Range



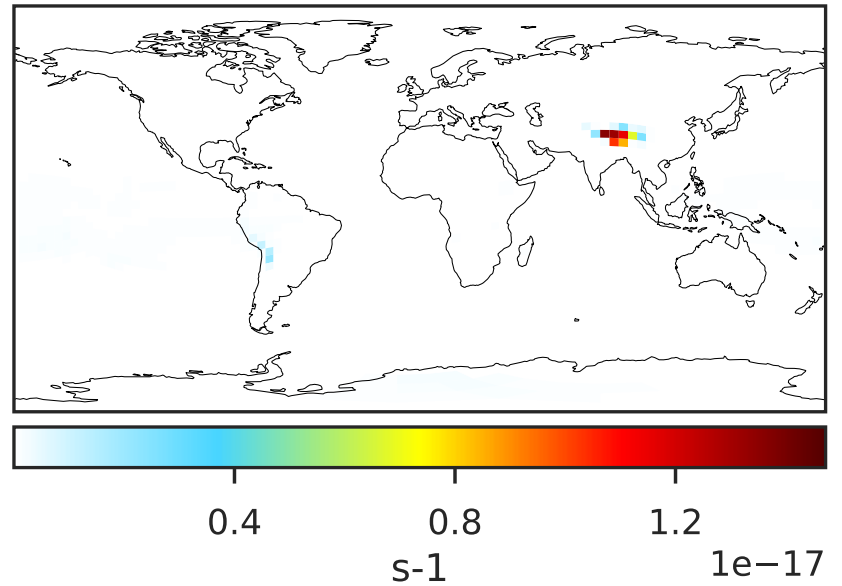


# Jval\_CCl4 (AnnualMean)

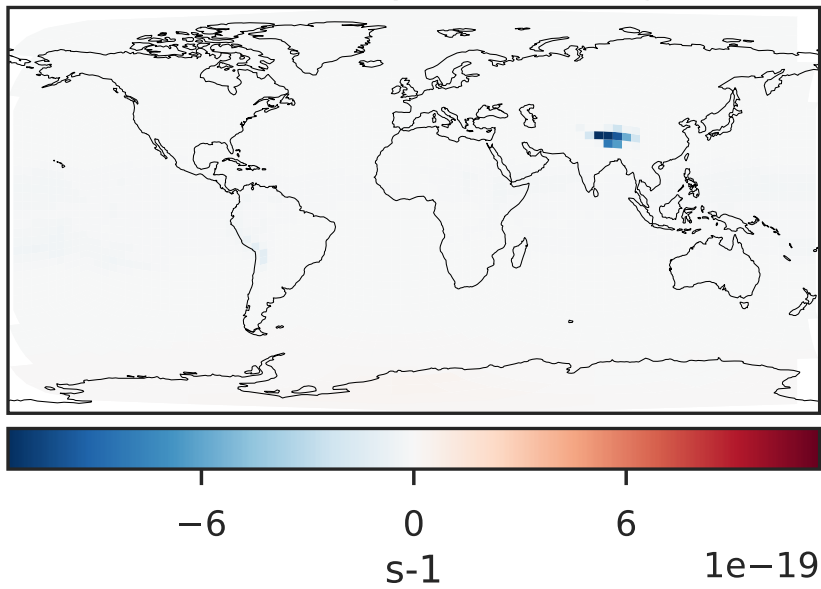
GCHP\_14.0.0 (Ref)  
c24



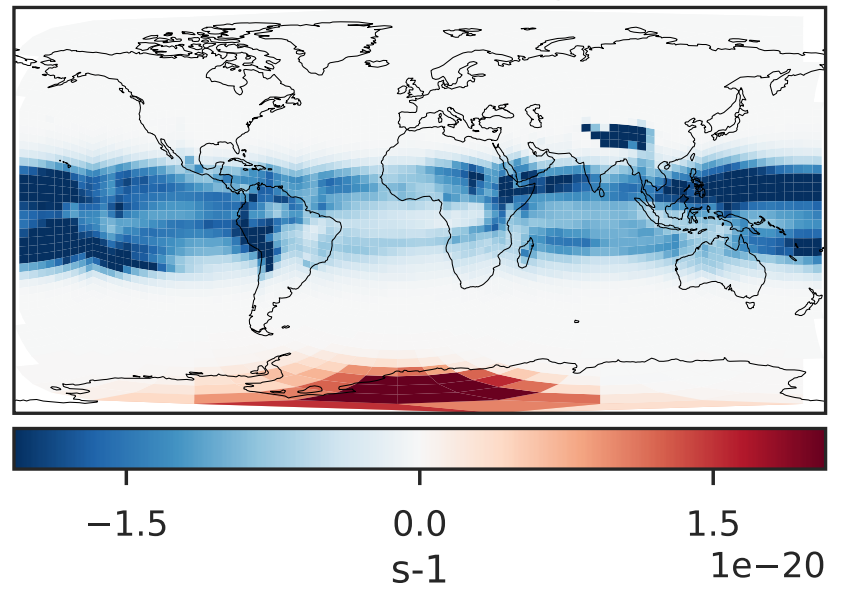
GCHP\_14.2.0 (Dev)  
c24



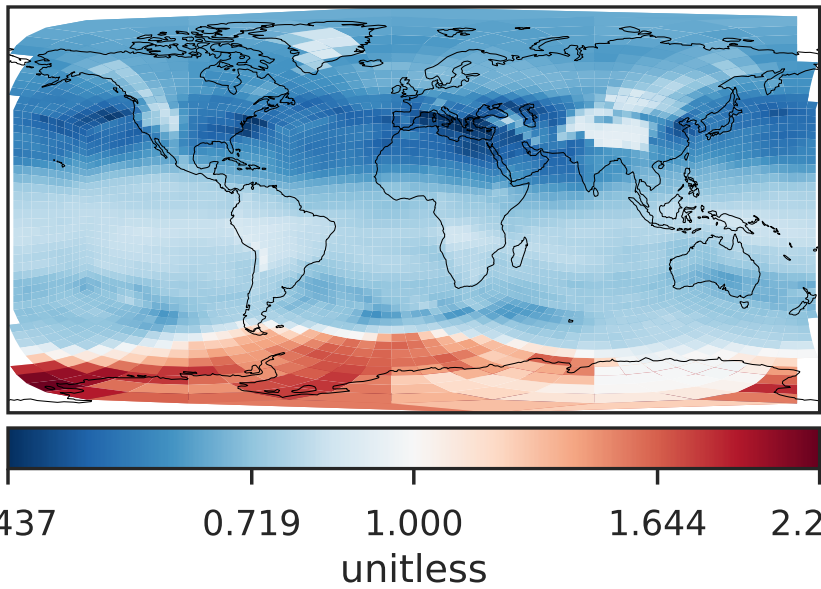
Difference  
Dev - Ref, Dynamic Range



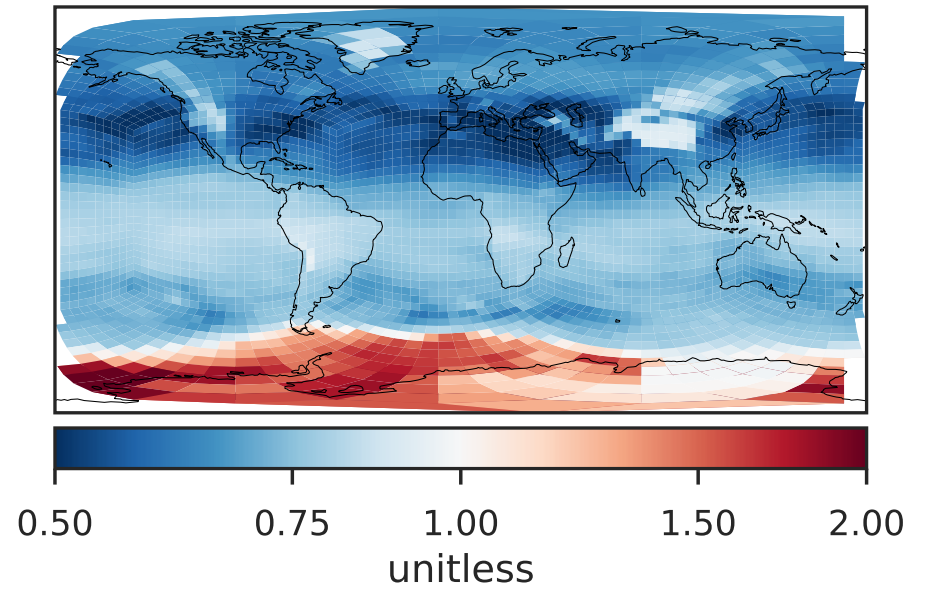
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

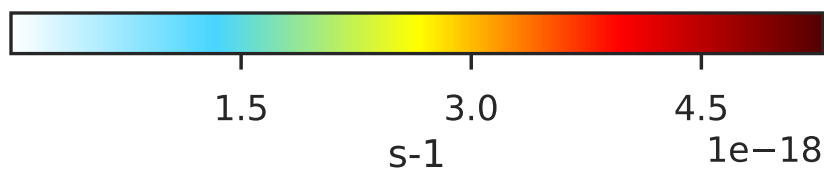
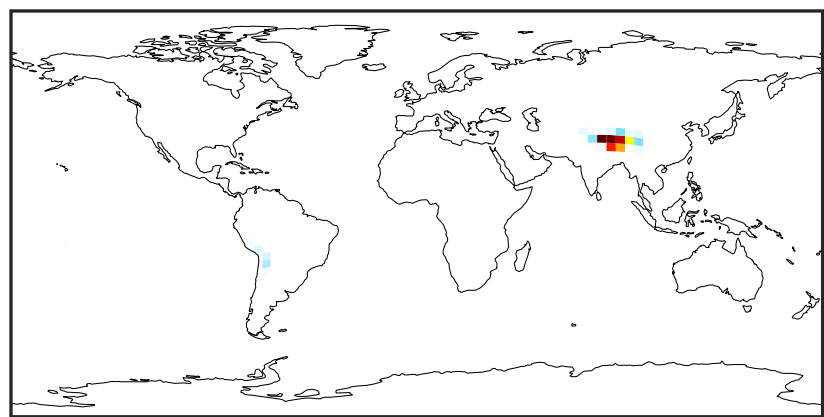


Ratio  
Dev/Ref, Fixed Range

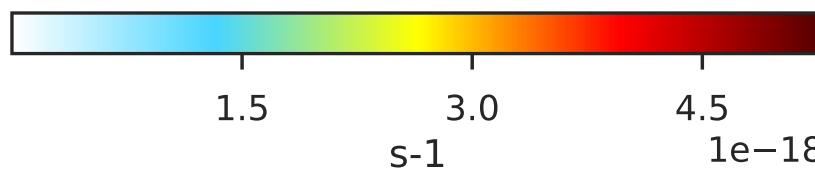
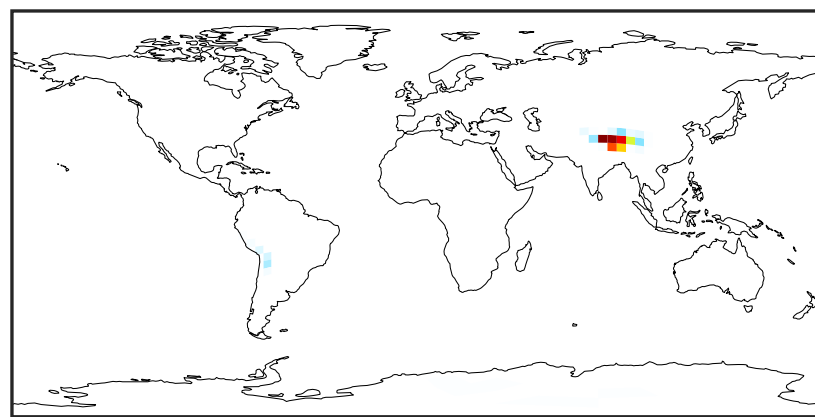


# Jval\_CFC11 (AnnualMean)

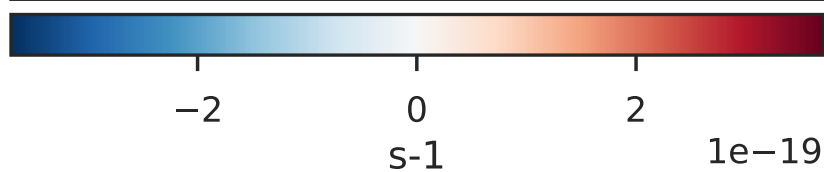
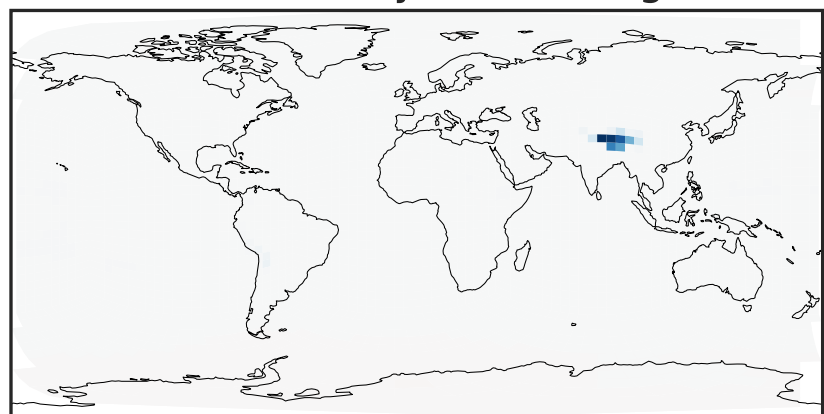
GCHP\_14.0.0 (Ref)  
c24



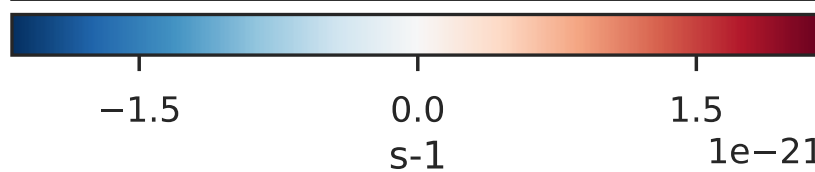
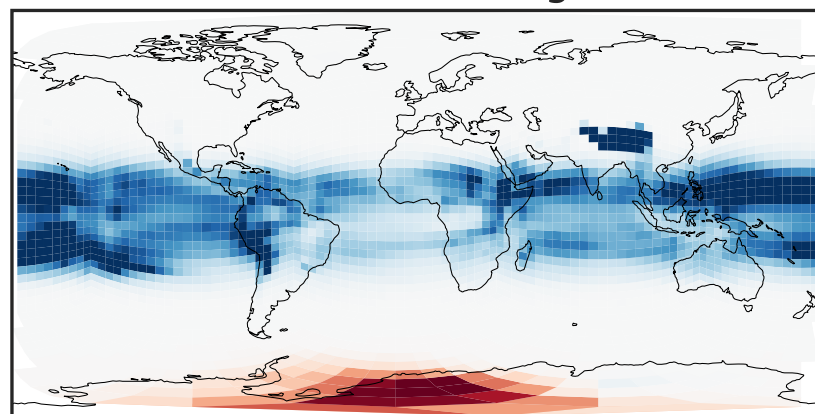
GCHP\_14.2.0 (Dev)  
c24



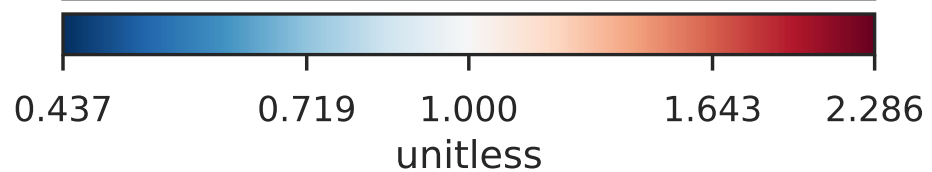
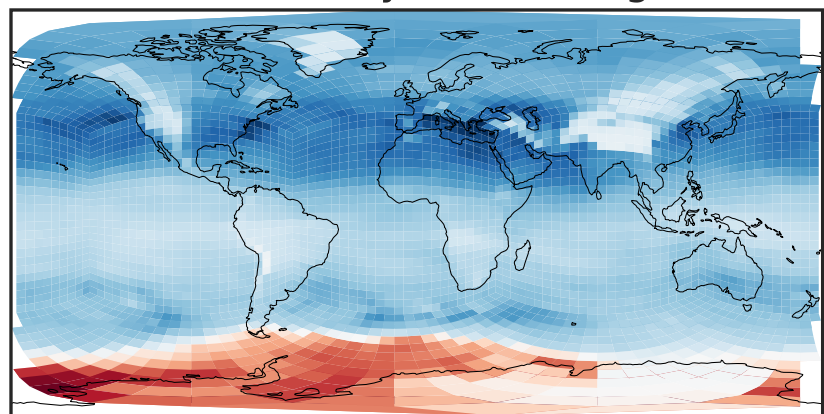
Difference  
Dev - Ref, Dynamic Range



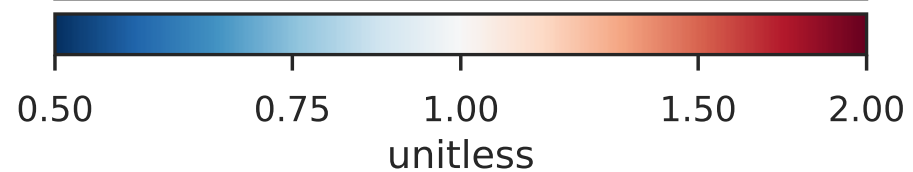
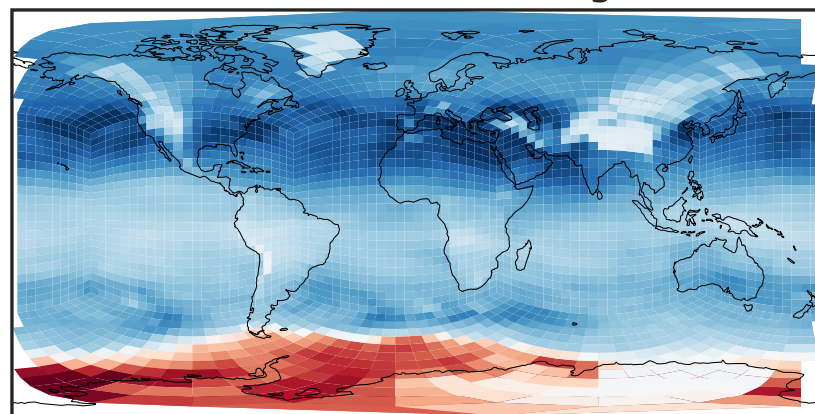
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

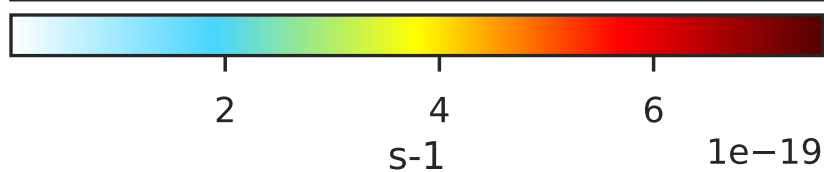
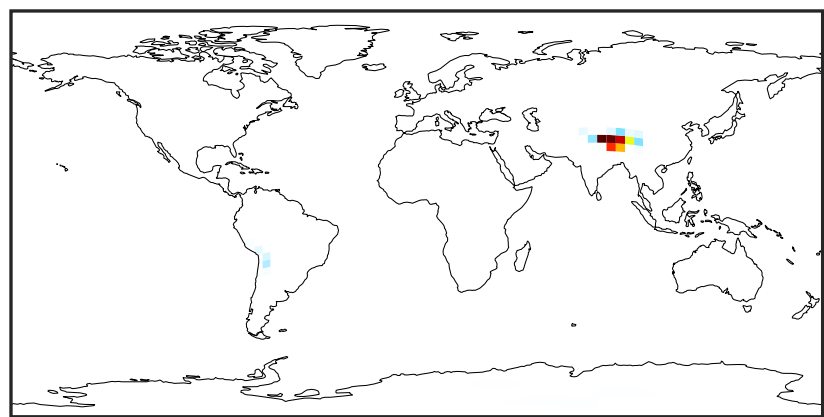


Ratio  
Dev/Ref, Fixed Range

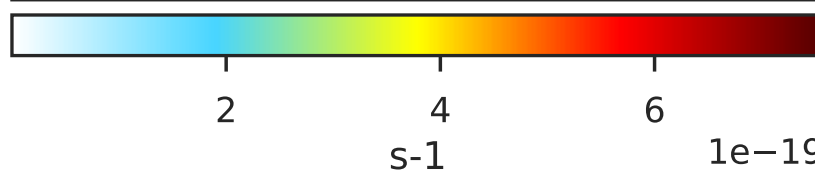
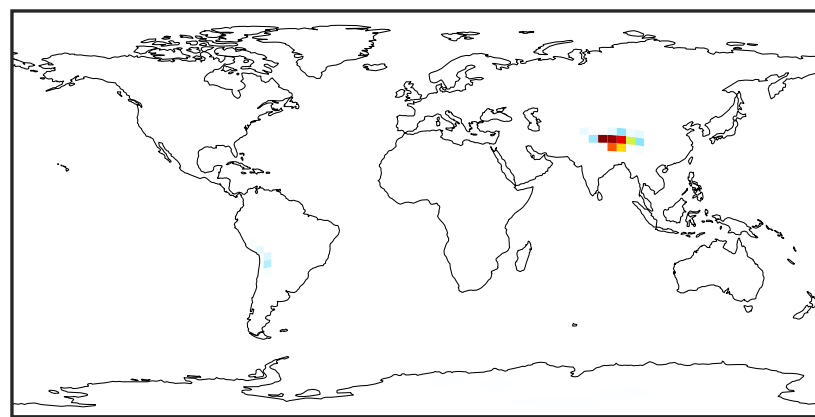


# Jval\_CFC113 (AnnualMean)

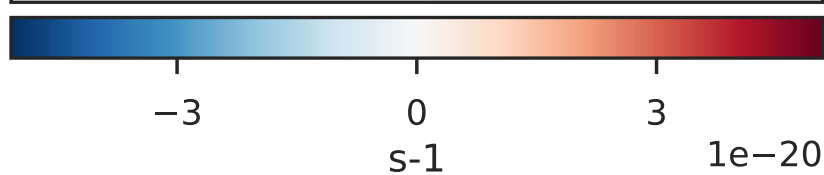
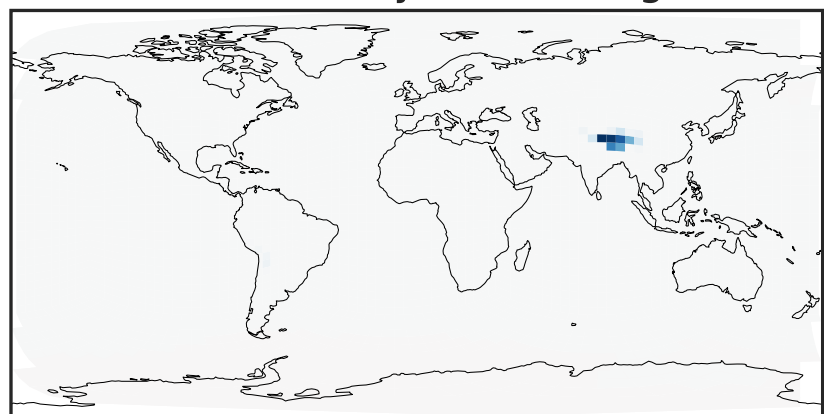
GCHP\_14.0.0 (Ref)  
c24



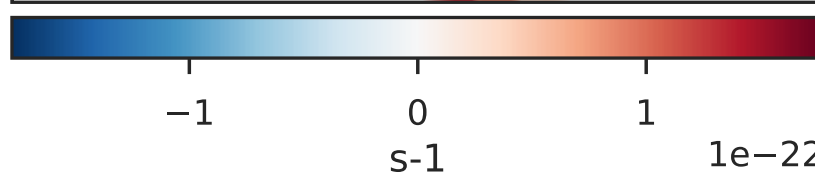
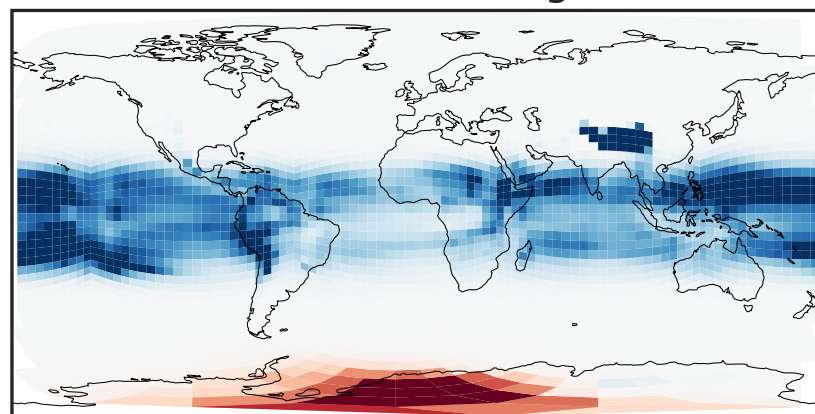
GCHP\_14.2.0 (Dev)  
c24



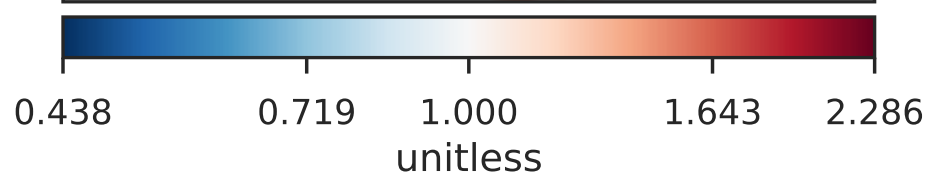
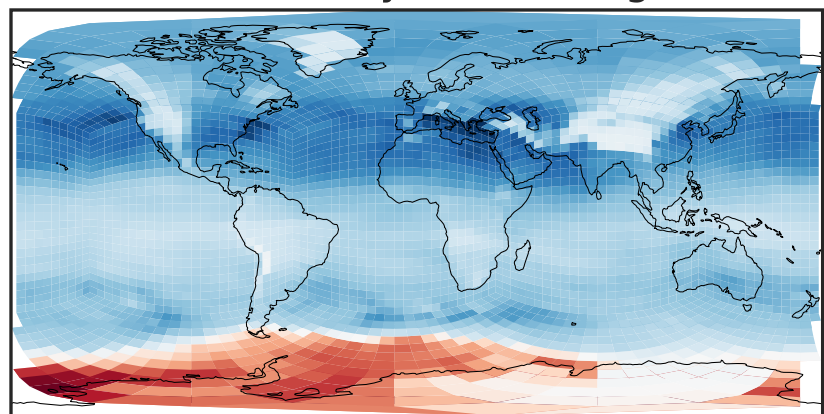
Difference  
Dev - Ref, Dynamic Range



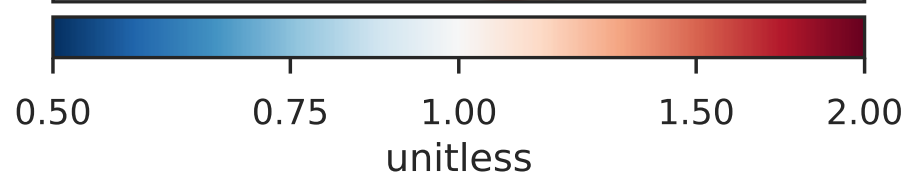
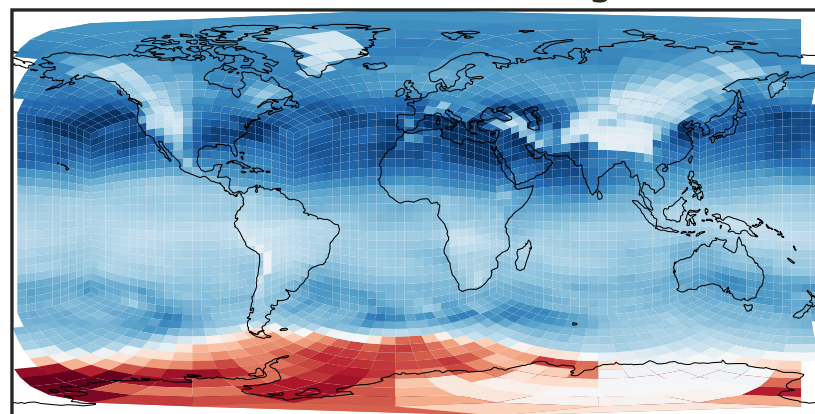
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



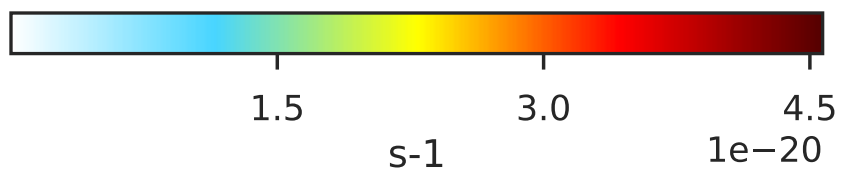
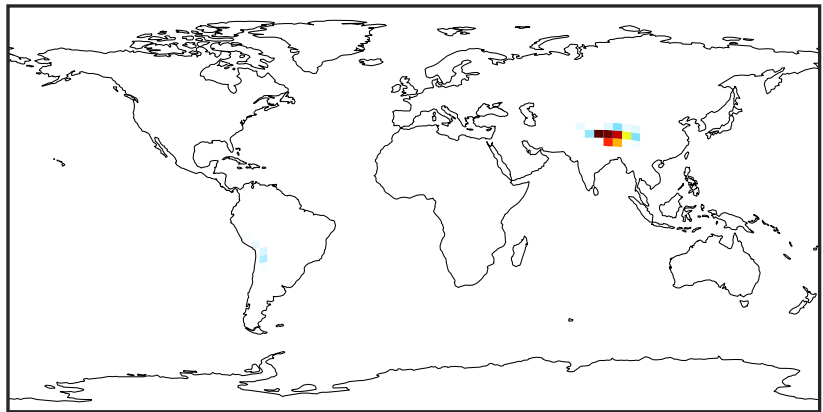
Ratio  
Dev/Ref, Fixed Range



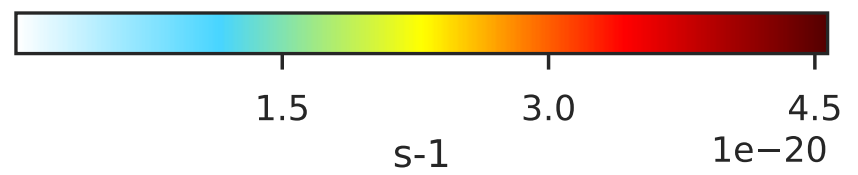


# Jval\_CFC114 (AnnualMean)

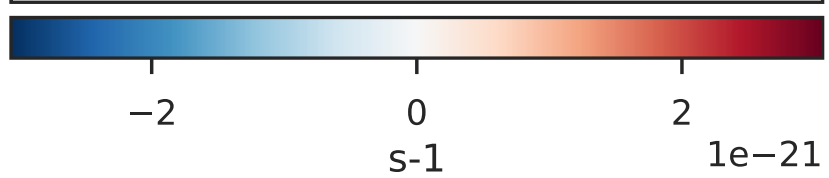
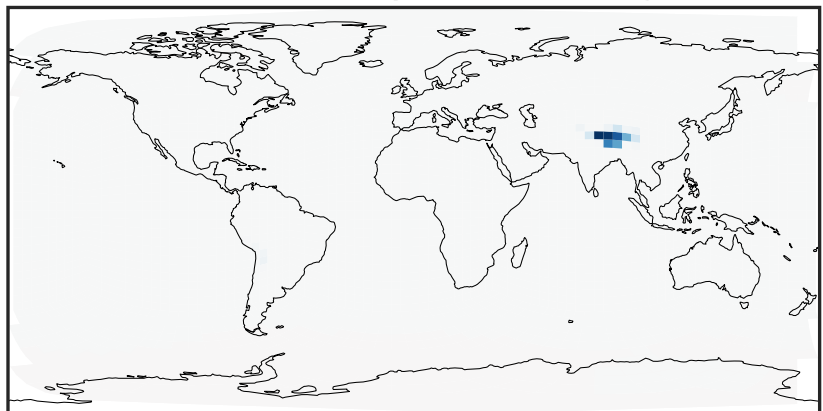
GCHP\_14.0.0 (Ref)  
c24



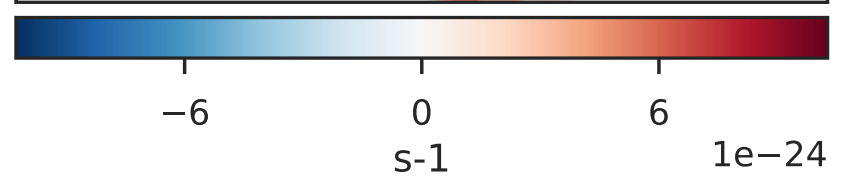
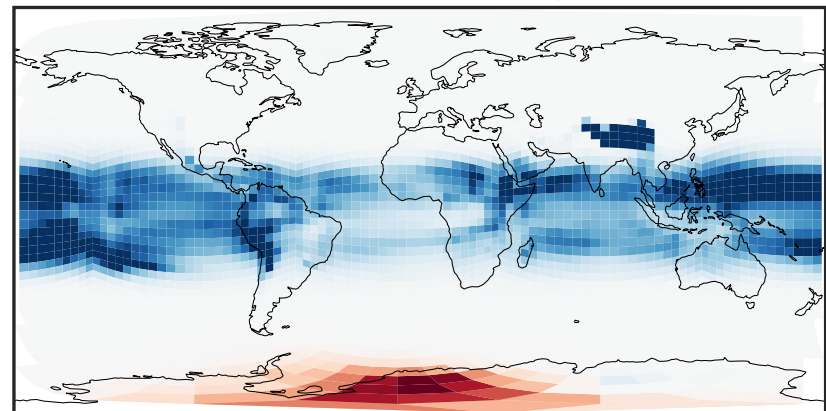
GCHP\_14.2.0 (Dev)  
c24



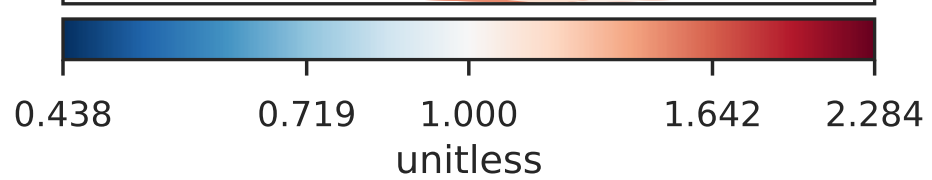
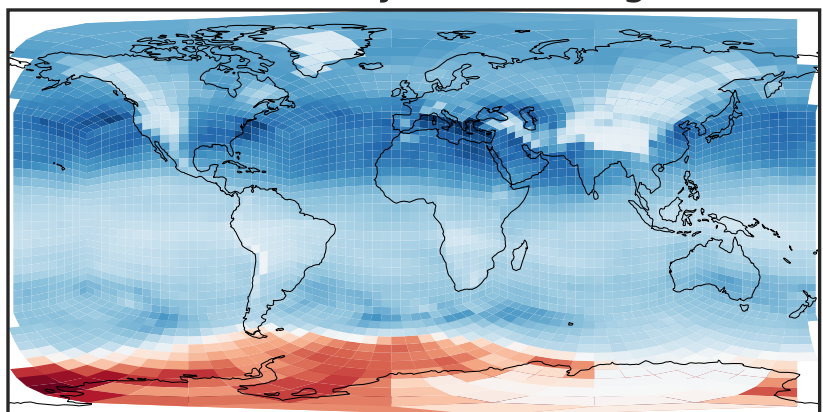
Difference  
Dev - Ref, Dynamic Range



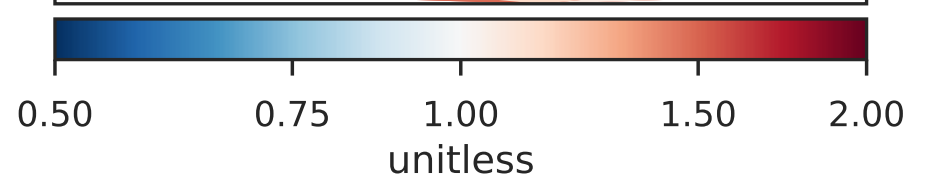
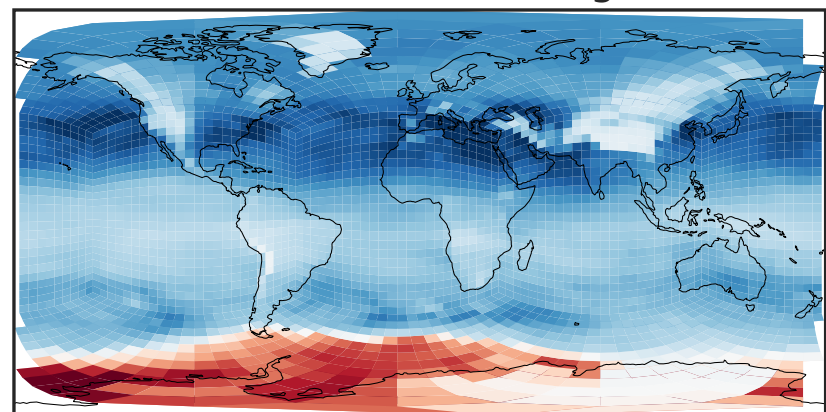
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

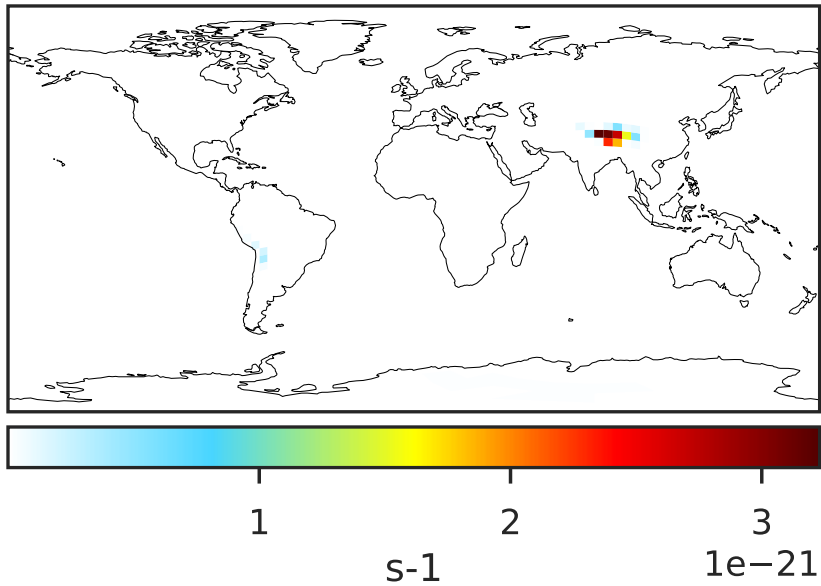


Ratio  
Dev/Ref, Fixed Range

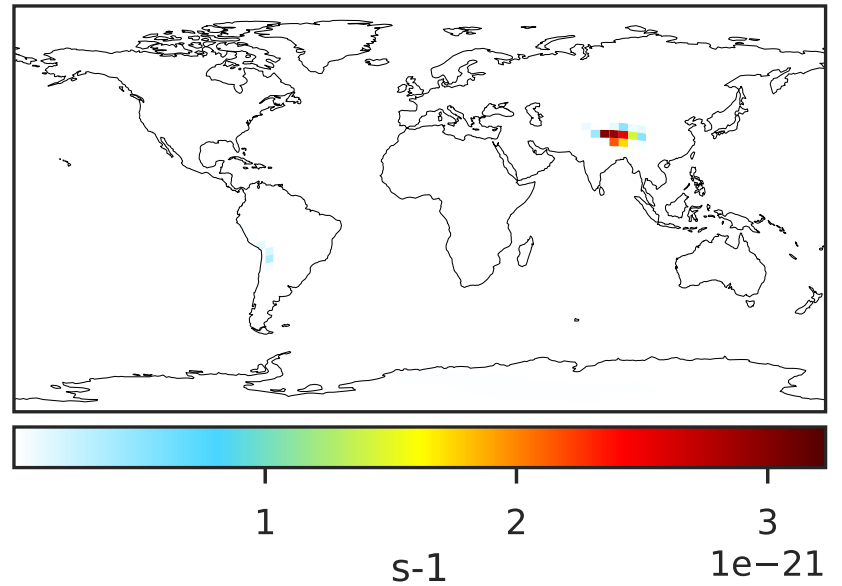


# Jval\_CFC115 (AnnualMean)

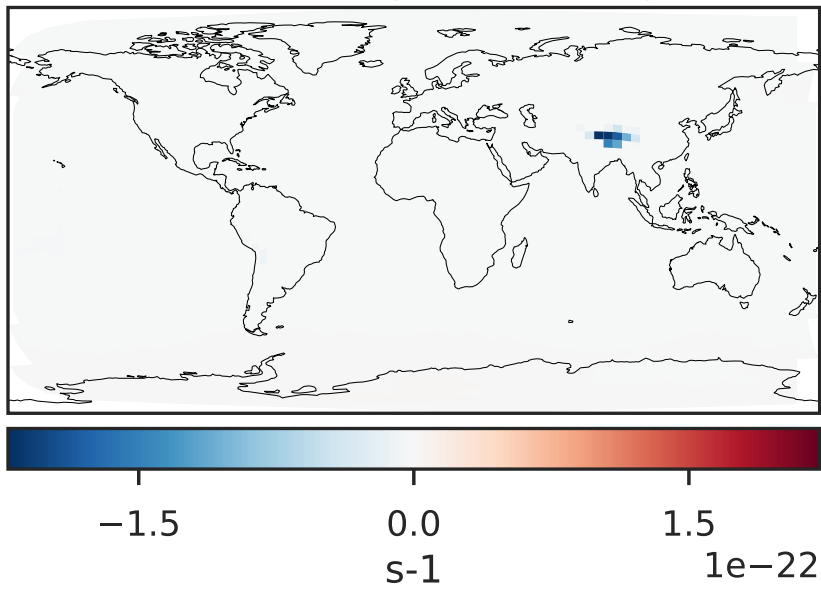
GCHP\_14.0.0 (Ref)  
c24



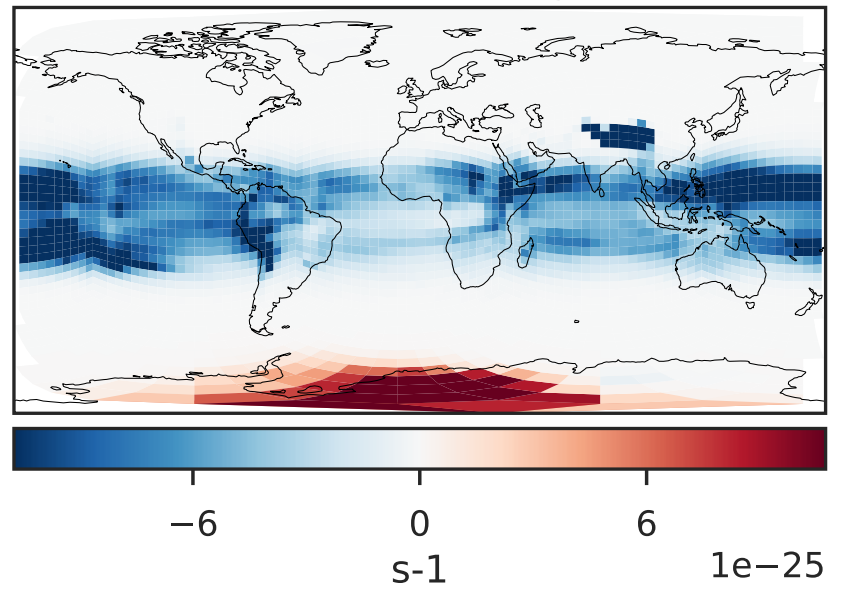
GCHP\_14.2.0 (Dev)  
c24



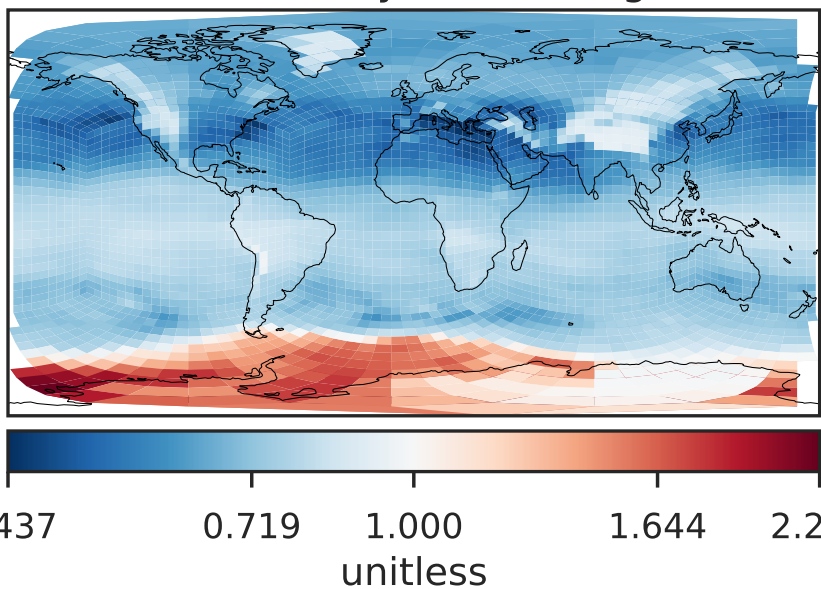
Difference  
Dev - Ref, Dynamic Range



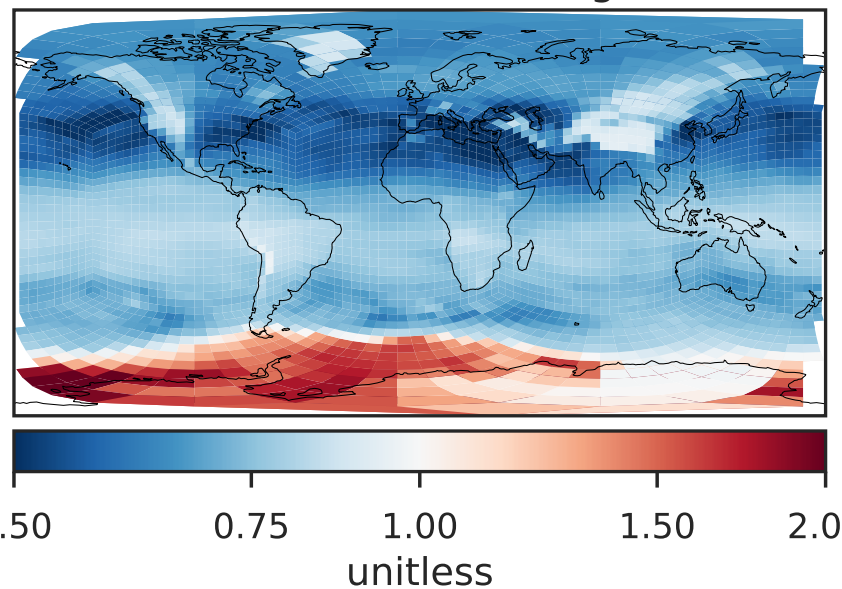
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

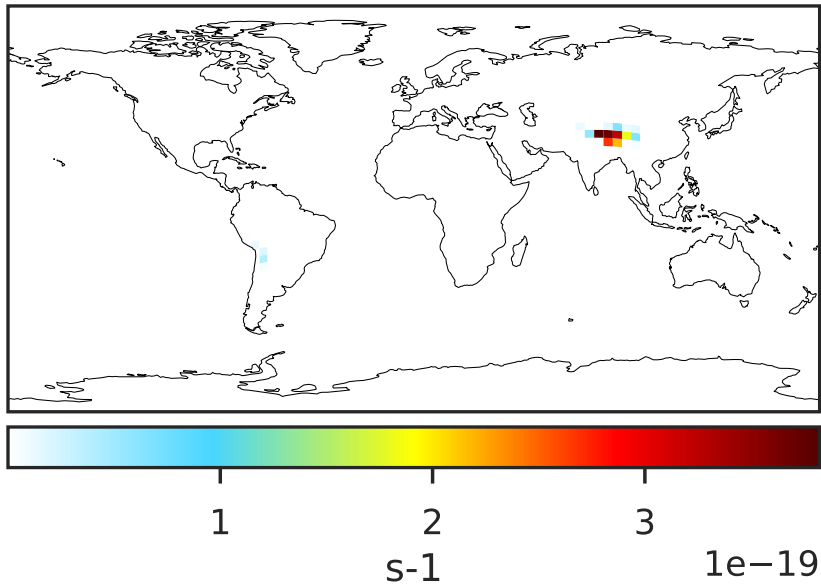


Ratio  
Dev/Ref, Fixed Range

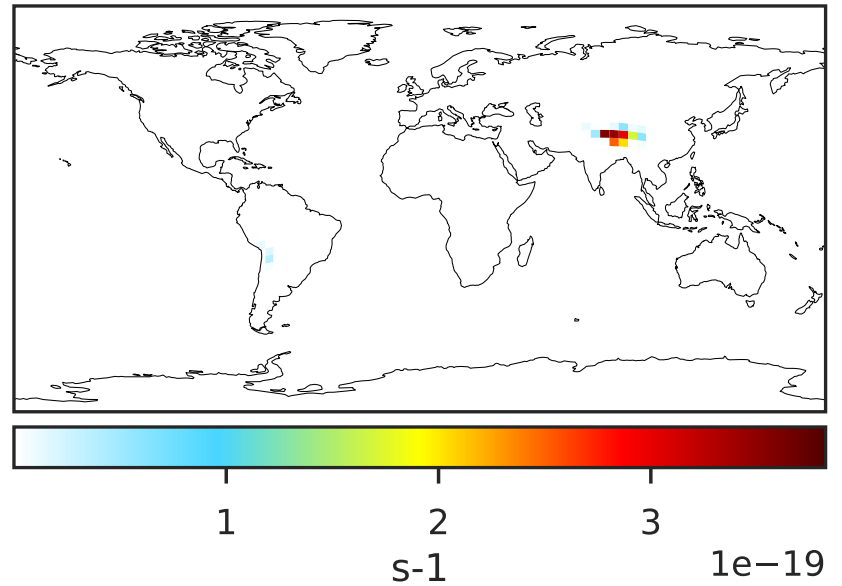


# Jval\_CFC12 (AnnualMean)

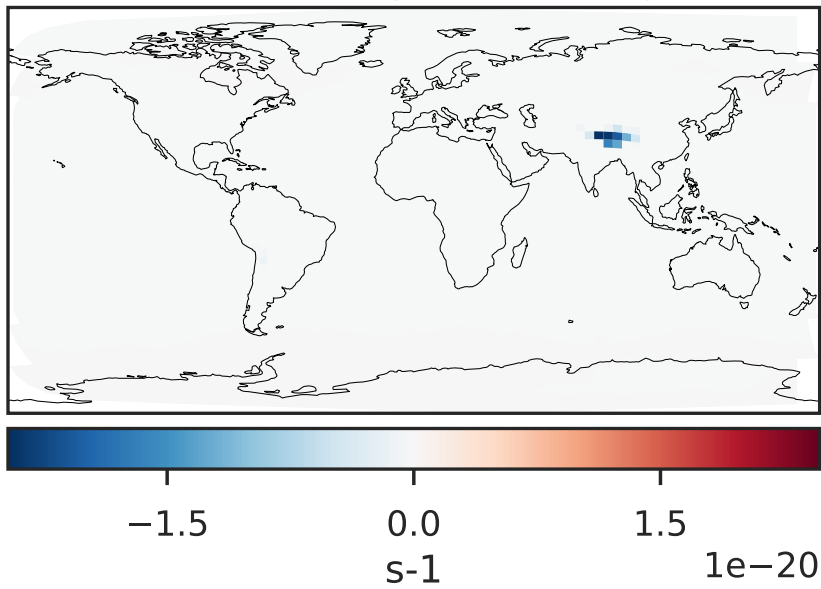
GCHP\_14.0.0 (Ref)  
c24



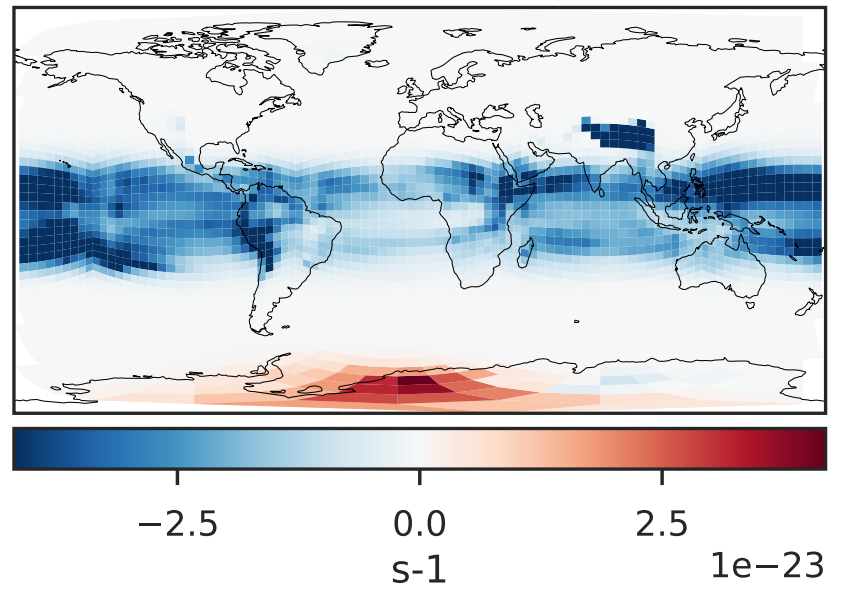
GCHP\_14.2.0 (Dev)  
c24



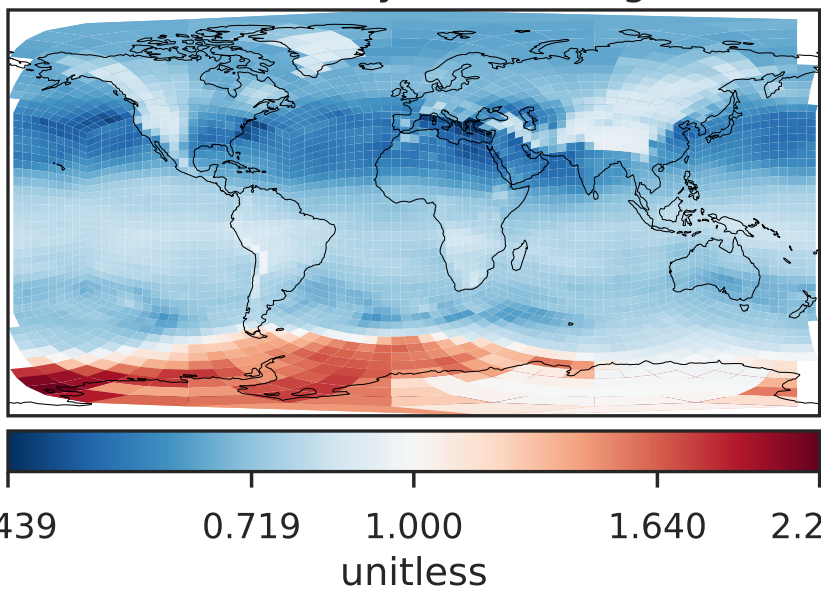
Difference  
Dev - Ref, Dynamic Range



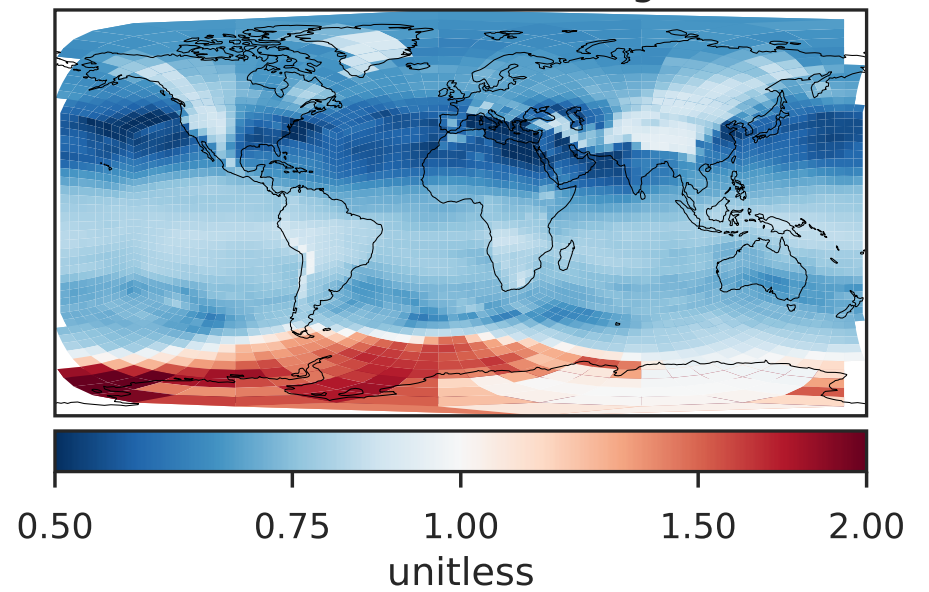
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



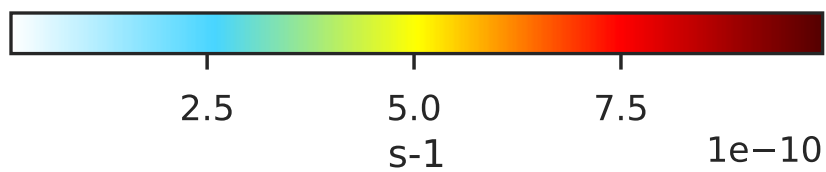
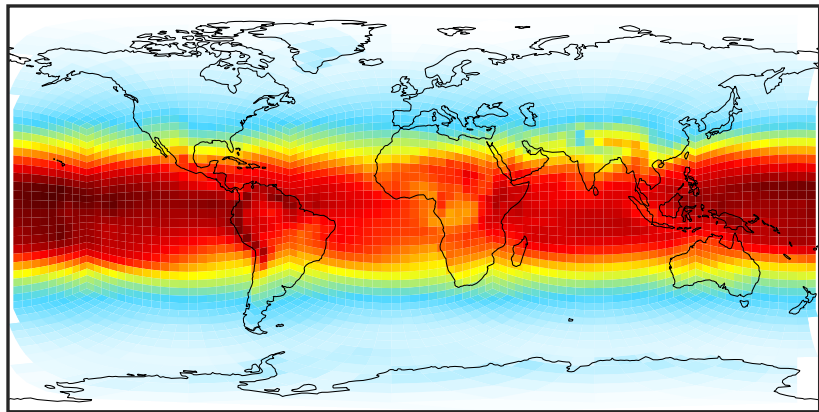
Ratio  
Dev/Ref, Fixed Range



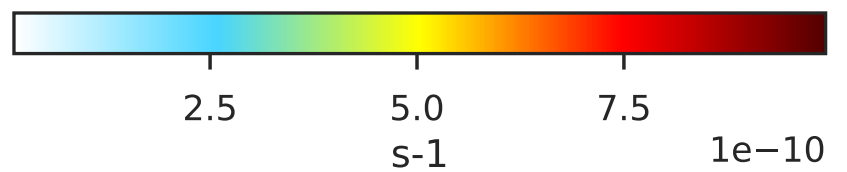
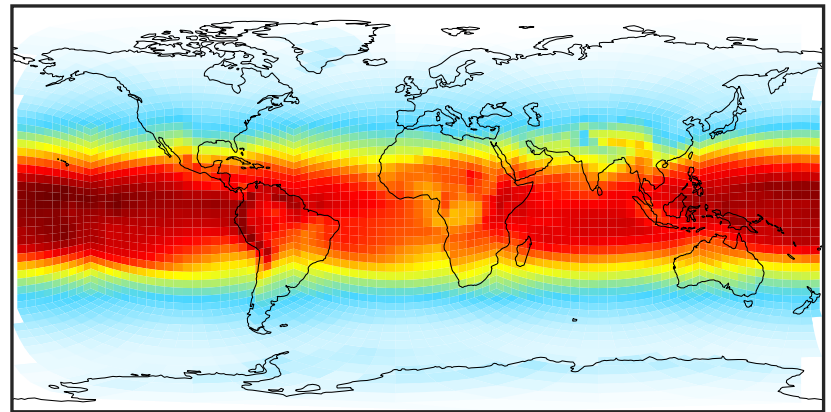


# Jval\_CH2Br2 (AnnualMean)

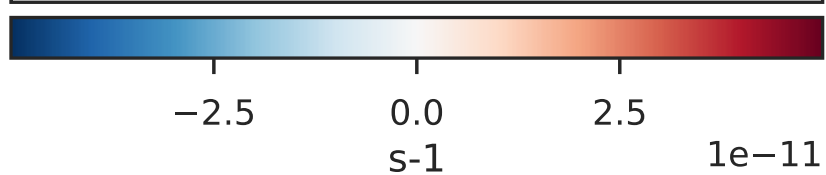
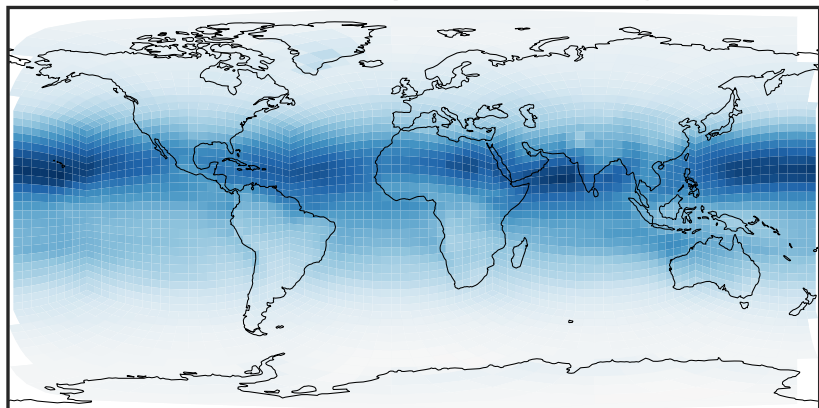
GCHP\_14.0.0 (Ref)  
c24



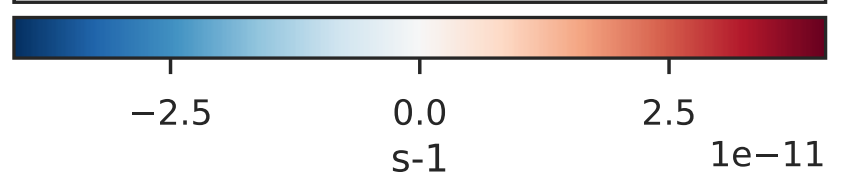
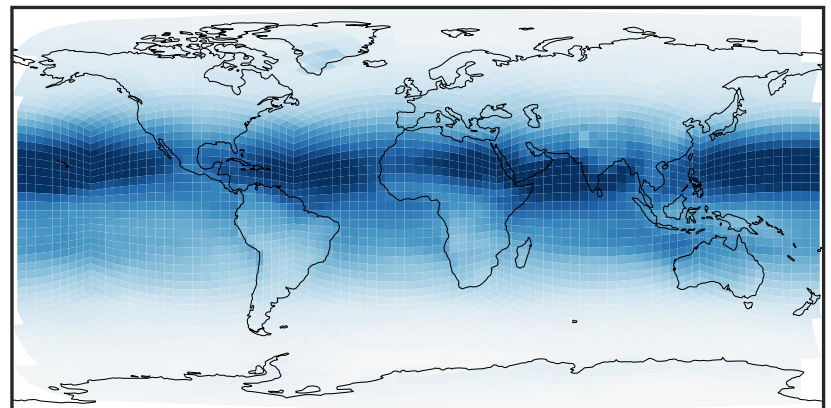
GCHP\_14.2.0 (Dev)  
c24



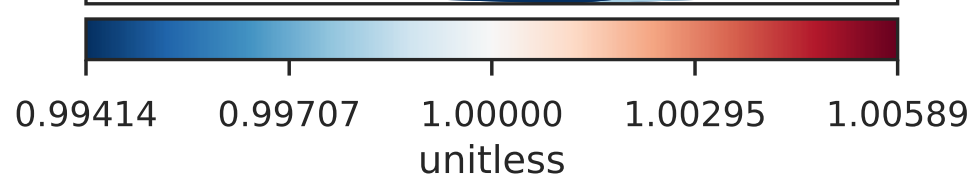
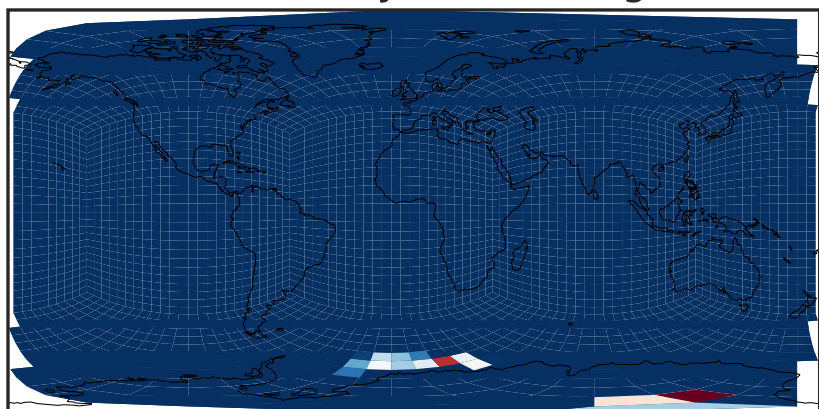
Difference  
Dev - Ref, Dynamic Range



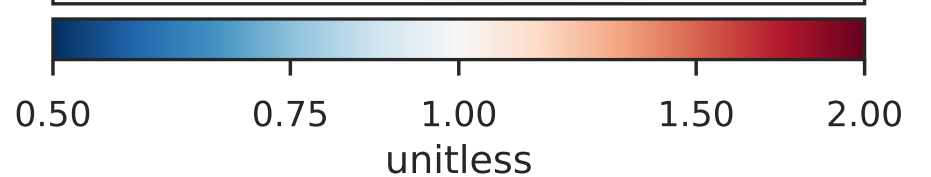
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

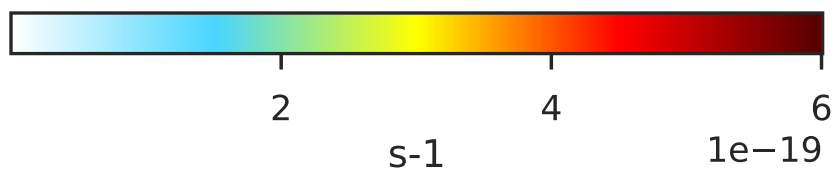
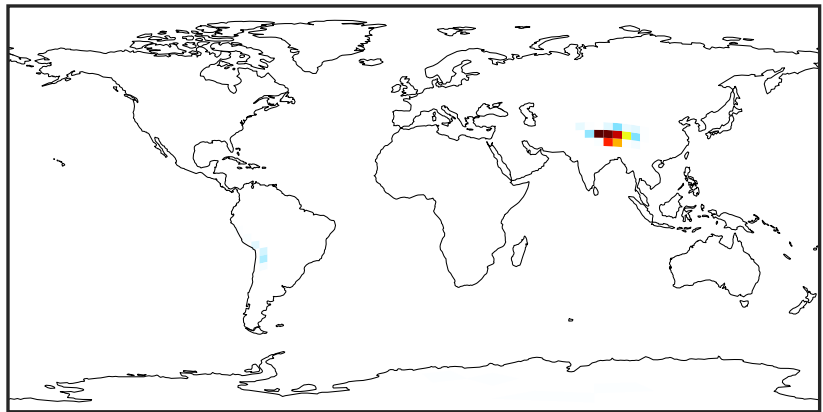


Ratio  
Dev/Ref, Fixed Range

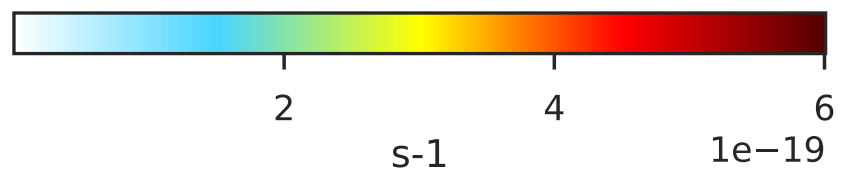


# Jval\_CH2Cl2 (AnnualMean)

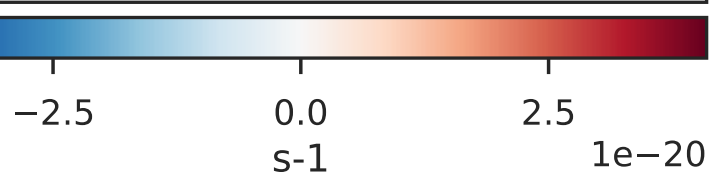
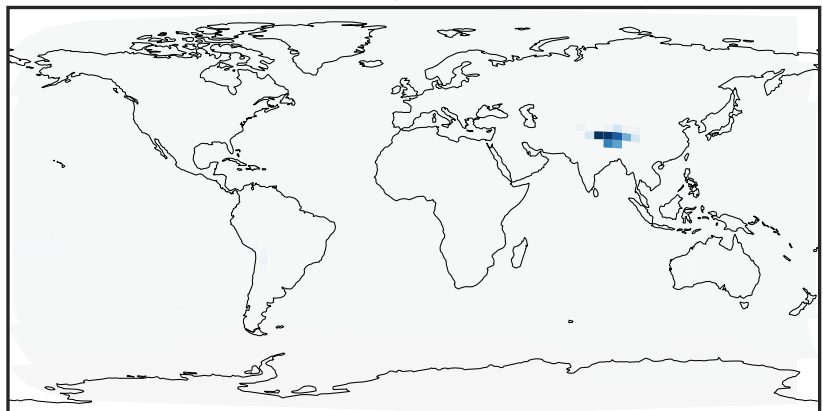
GCHP\_14.0.0 (Ref)  
c24



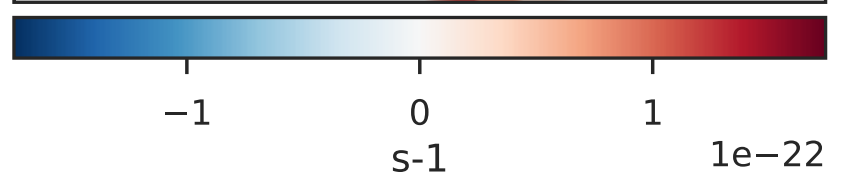
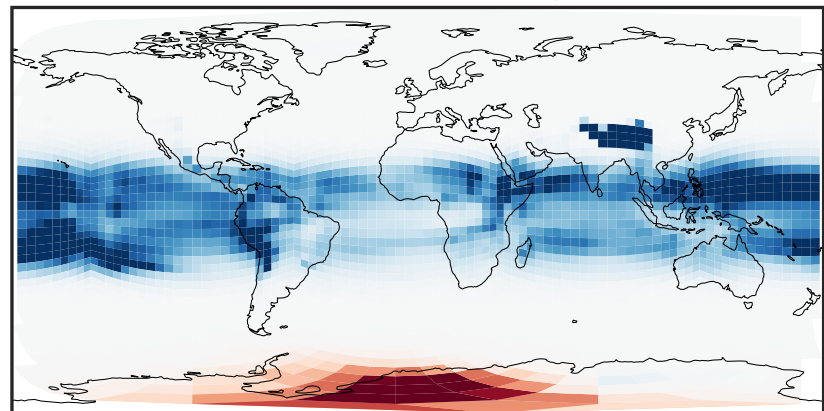
GCHP\_14.2.0 (Dev)  
c24



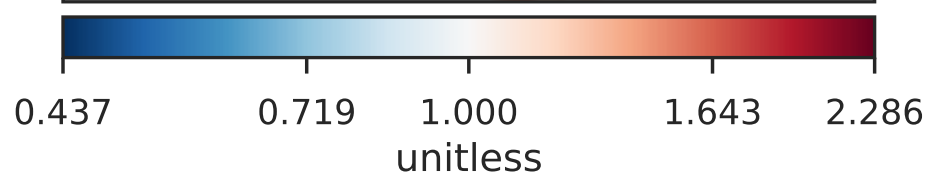
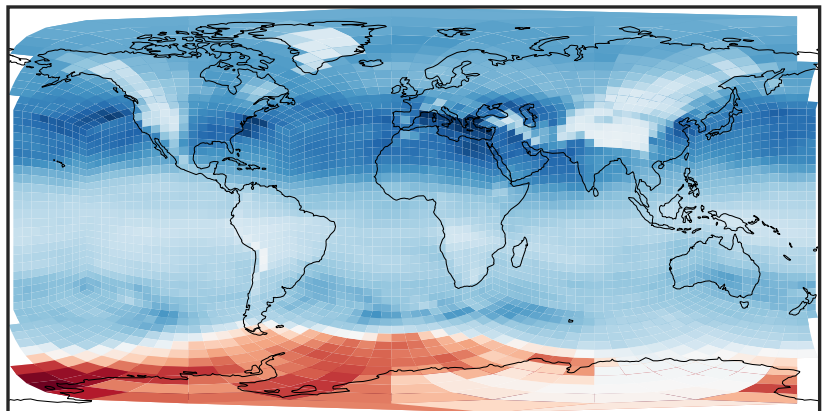
Difference  
Dev - Ref, Dynamic Range



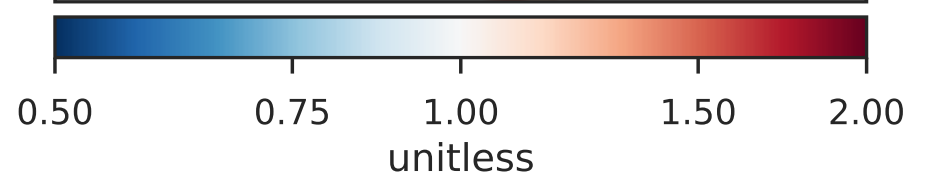
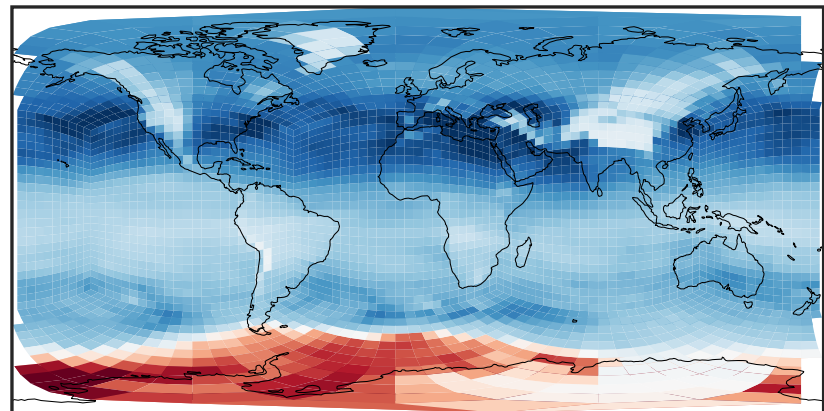
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

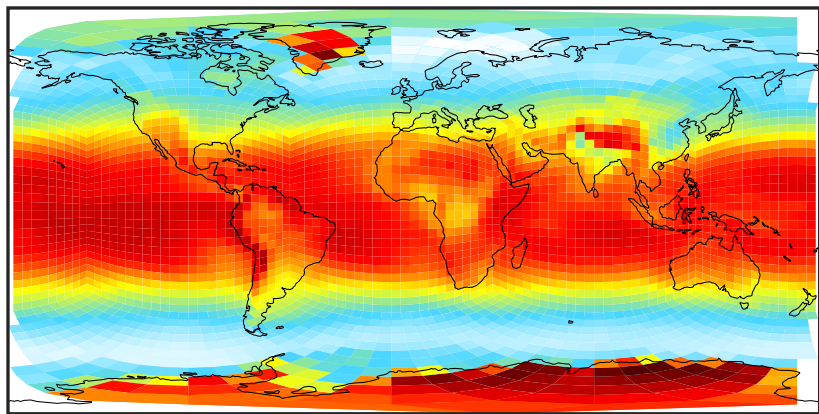


Ratio  
Dev/Ref, Fixed Range



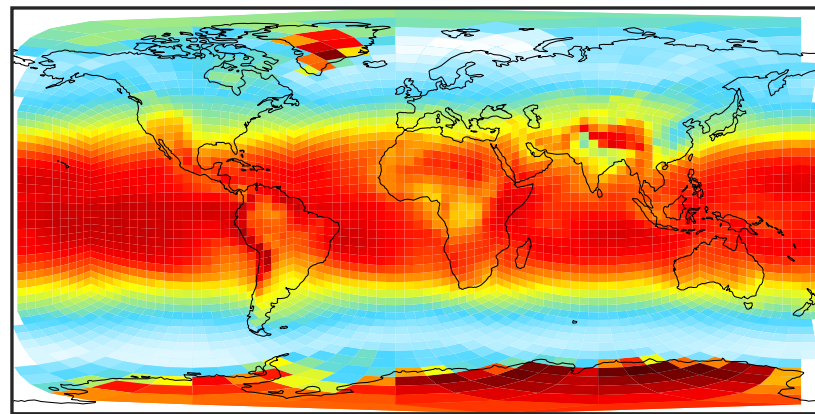
# Jval\_CH2I2 (AnnualMean)

GCHP\_14.0.0 (Ref)  
c24



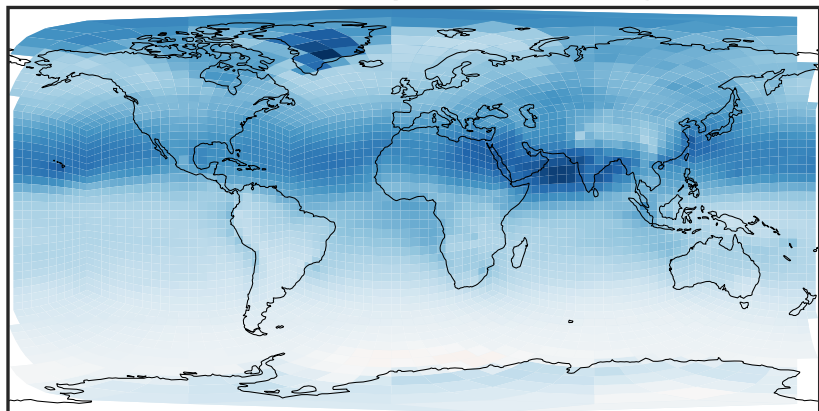
0.0008 0.0016 0.0024 0.0032  
s-1

GCHP\_14.2.0 (Dev)  
c24



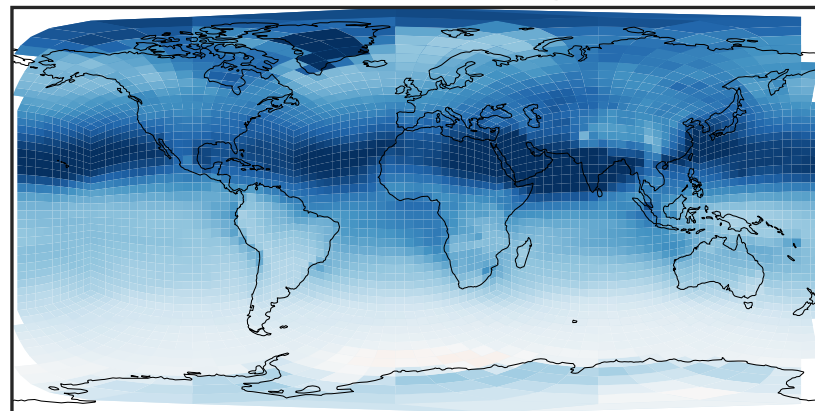
0.0008 0.0016 0.0024 0.0032  
s-1

Difference  
Dev - Ref, Dynamic Range



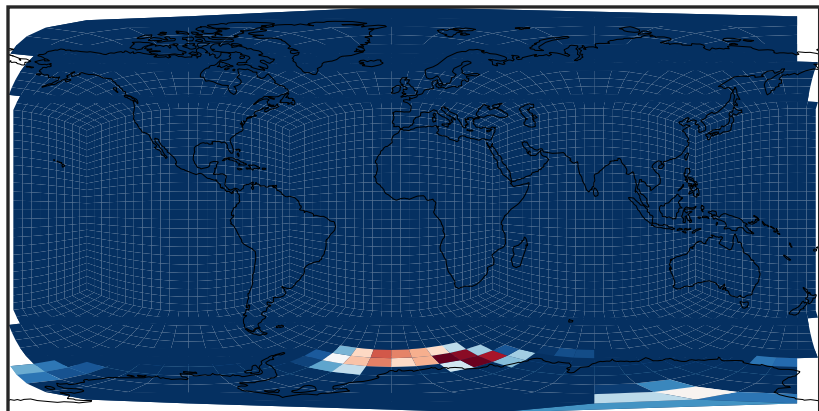
-1.5 0.0 1.5  
s-1 1e-5

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



-1 0 1  
s-1 1e-5

Ratio  
Dev/Ref, Dynamic Range



0.999404 1.000000 1.000597  
unitless

Ratio  
Dev/Ref, Fixed Range

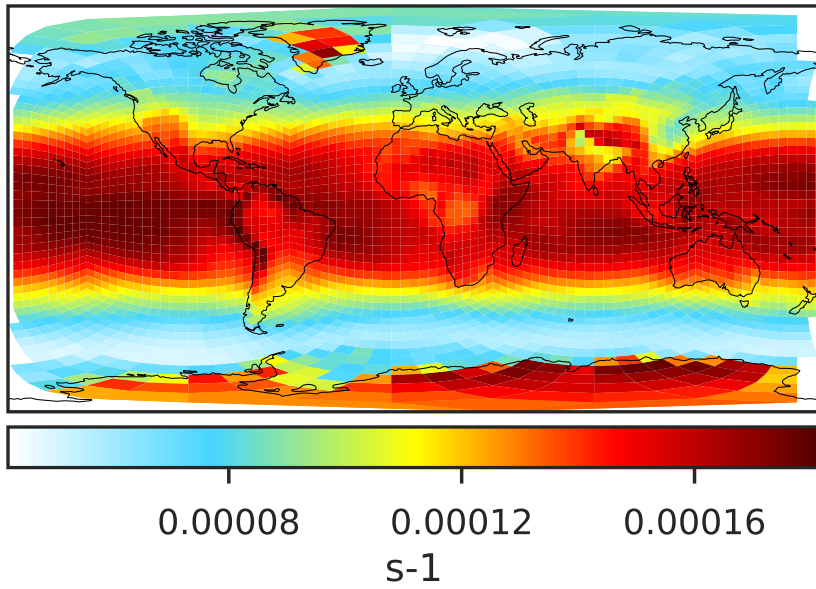


0.50 0.75 1.00 1.50 2.00  
unitless

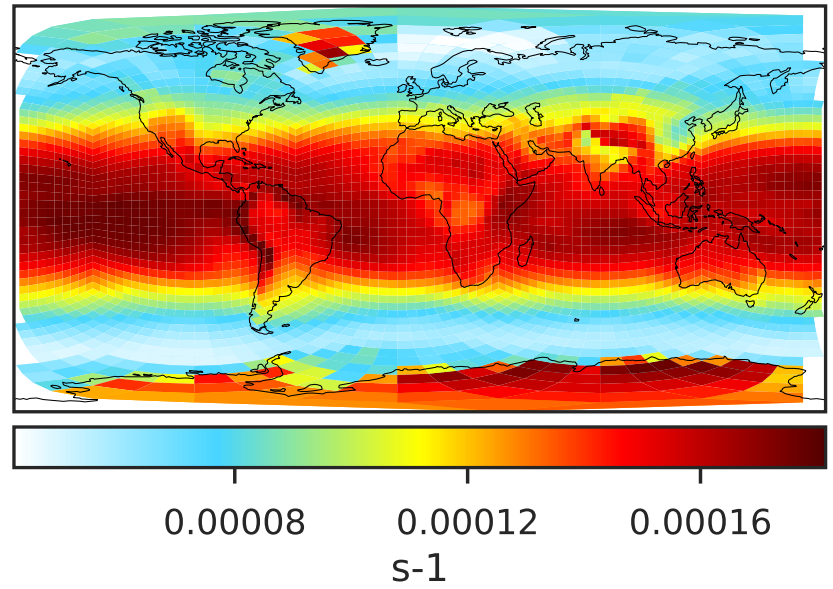


# Jval\_CH2IBr (AnnualMean)

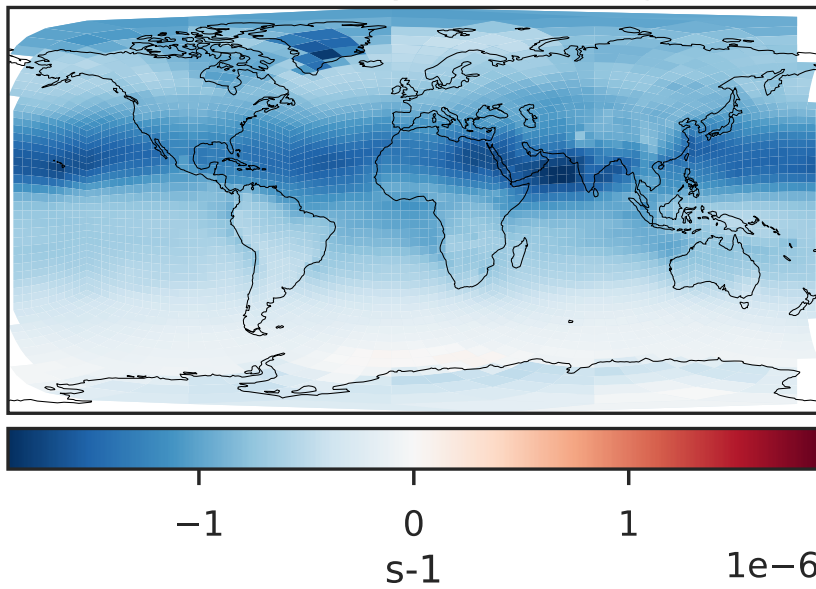
GCHP\_14.0.0 (Ref)  
c24



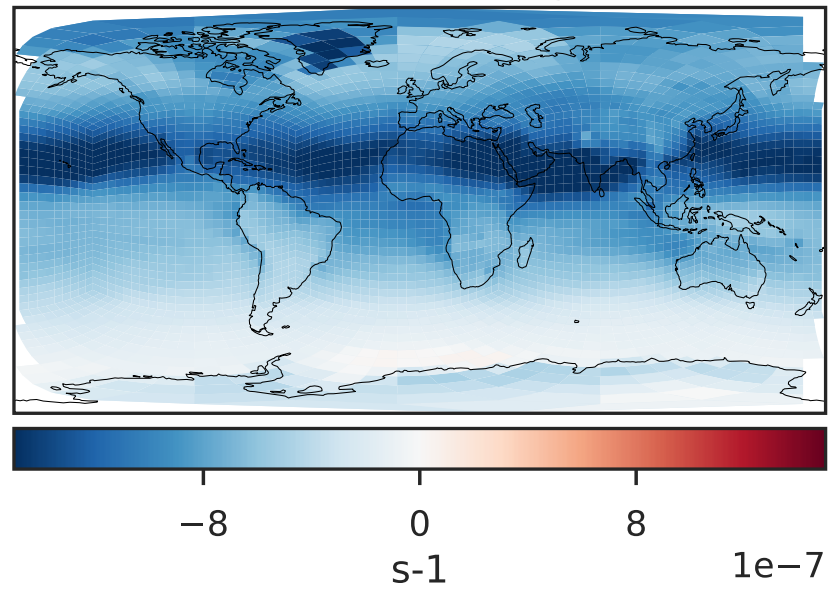
GCHP\_14.2.0 (Dev)  
c24



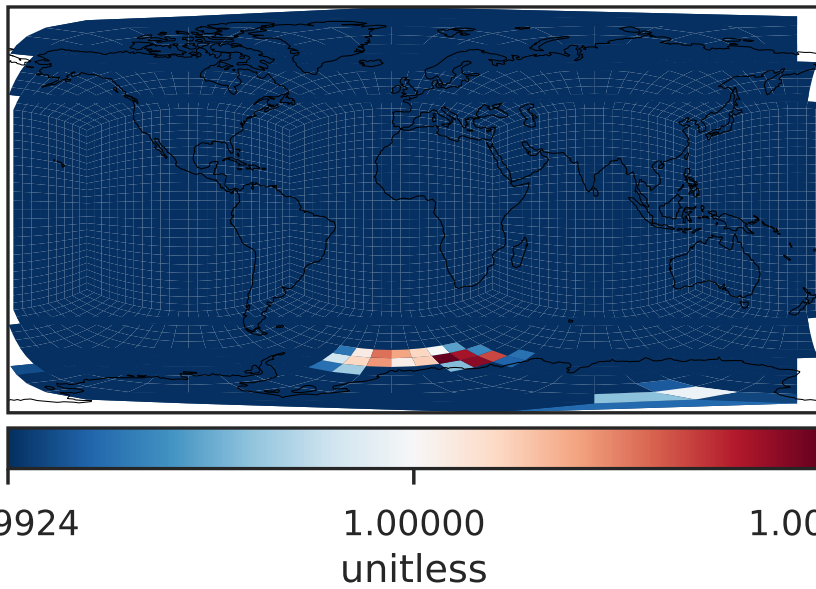
Difference  
Dev - Ref, Dynamic Range



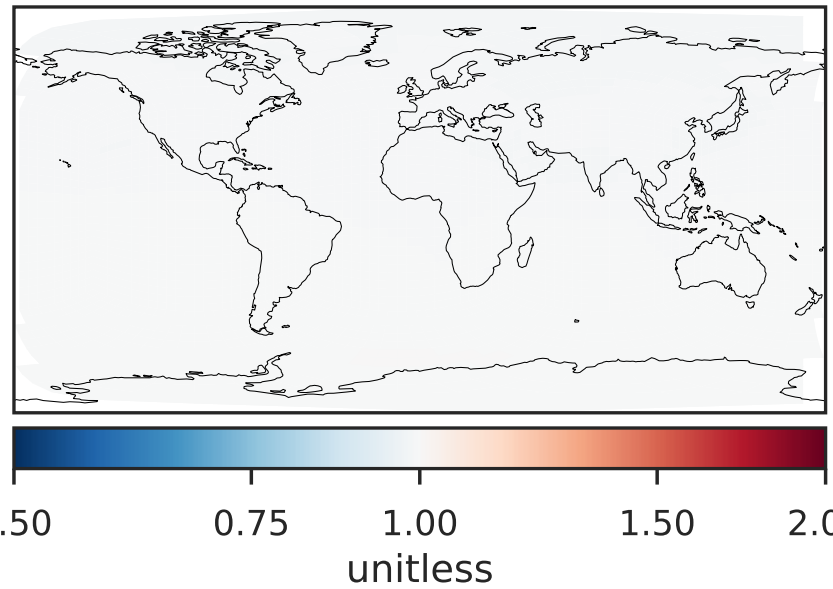
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

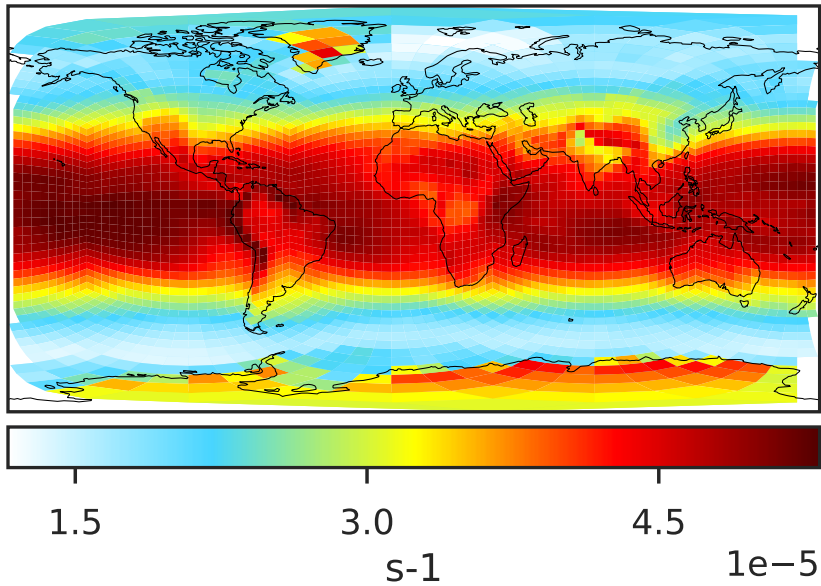


Ratio  
Dev/Ref, Fixed Range

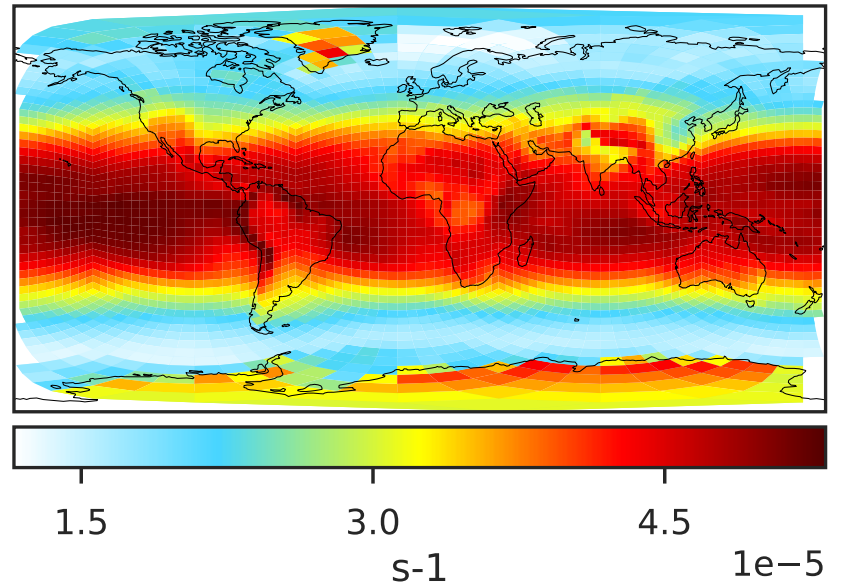


# Jval\_CH2ICl (AnnualMean)

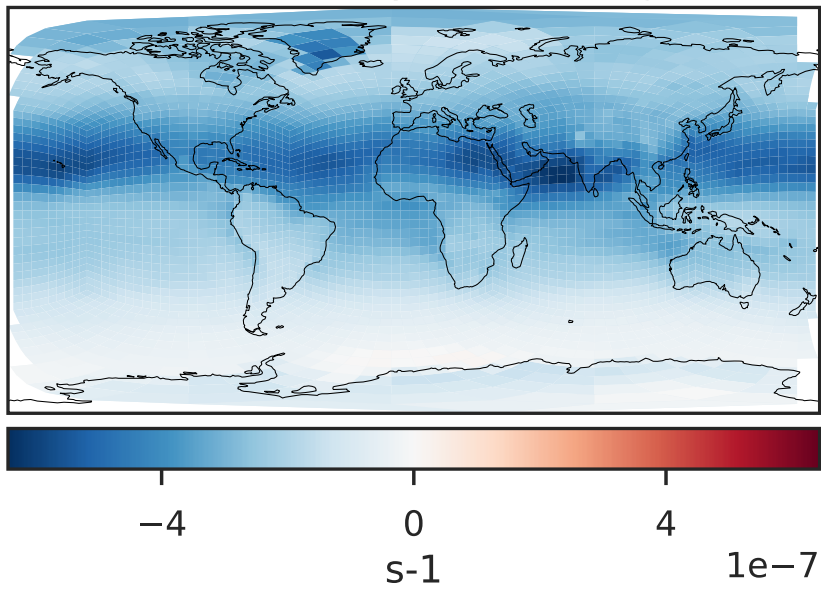
GCHP\_14.0.0 (Ref)  
c24



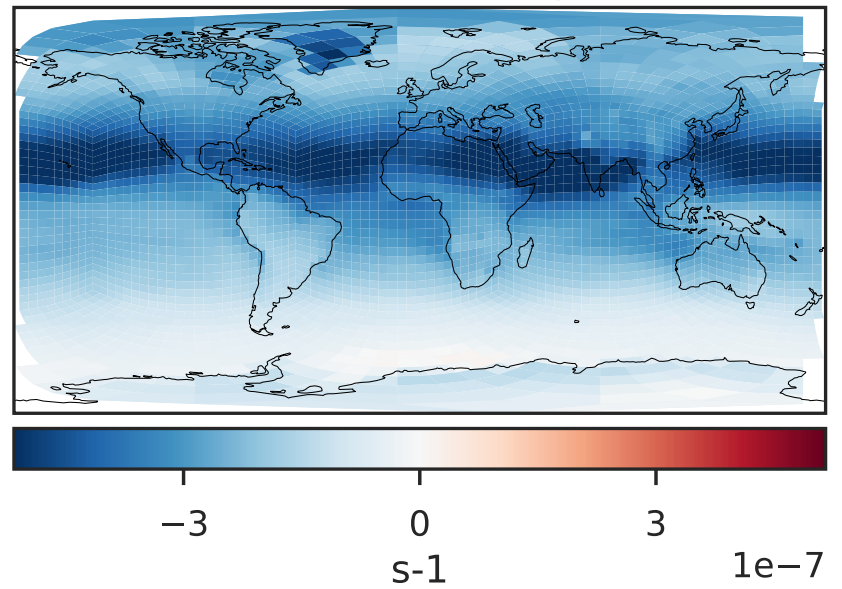
GCHP\_14.2.0 (Dev)  
c24



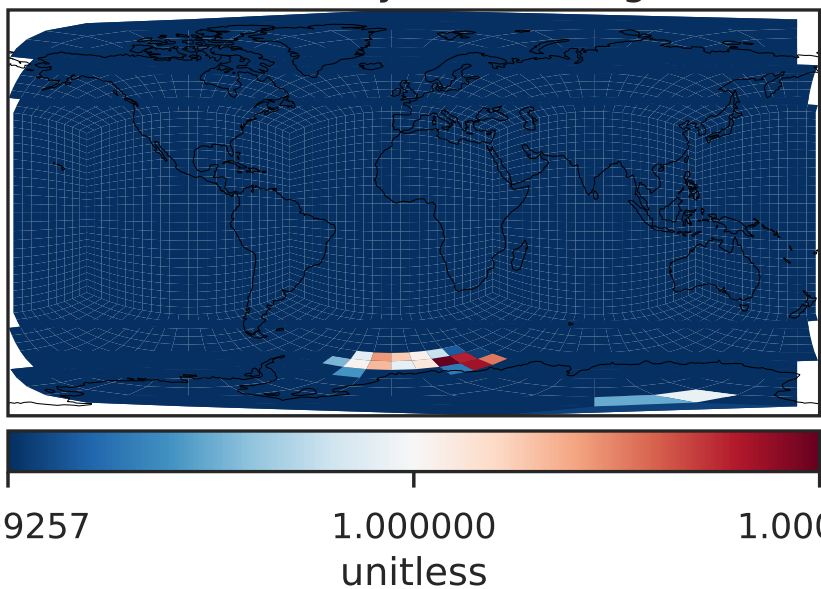
Difference  
Dev - Ref, Dynamic Range



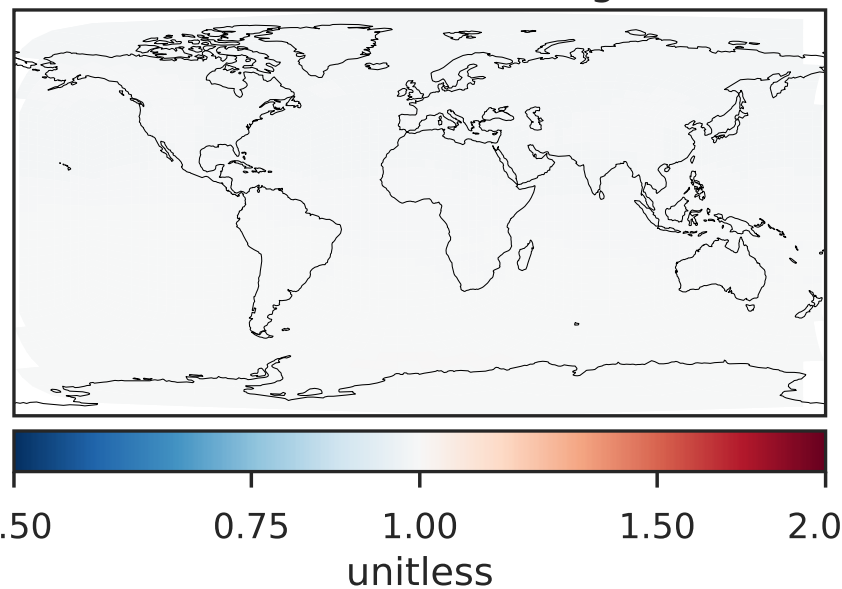
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



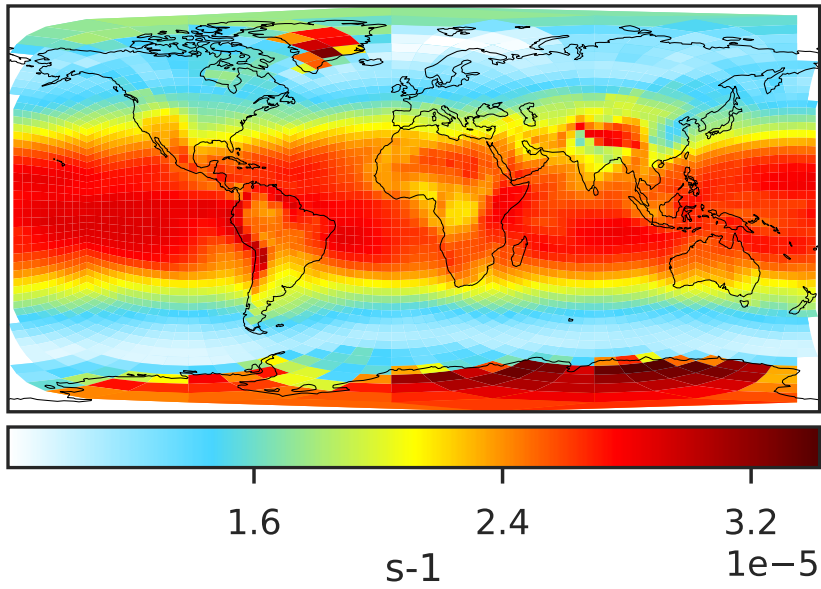
Ratio  
Dev/Ref, Fixed Range



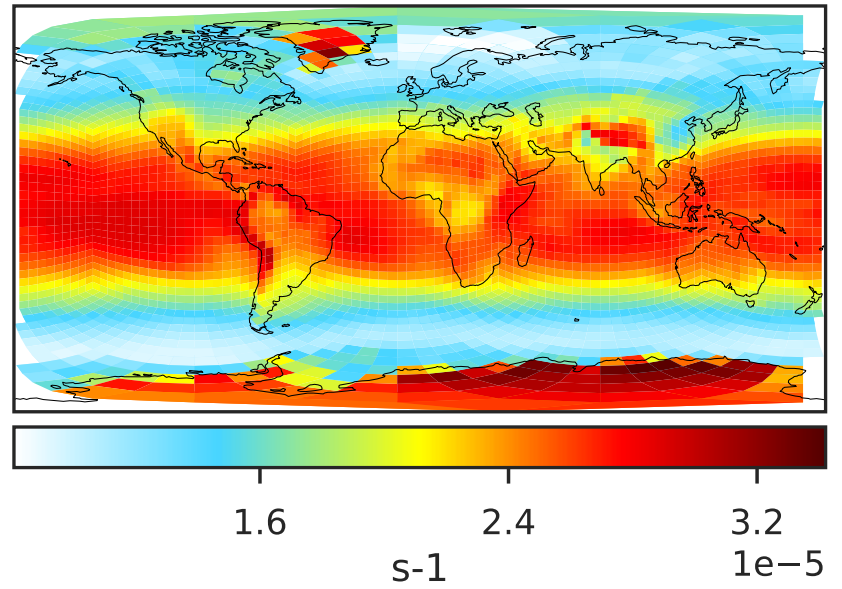


# Jval\_CH20 (AnnualMean)

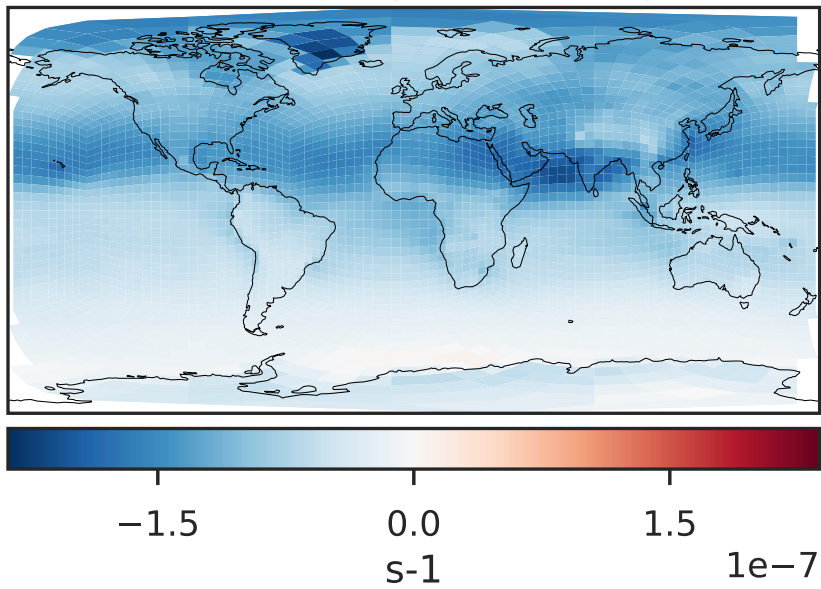
GCHP\_14.0.0 (Ref)  
c24



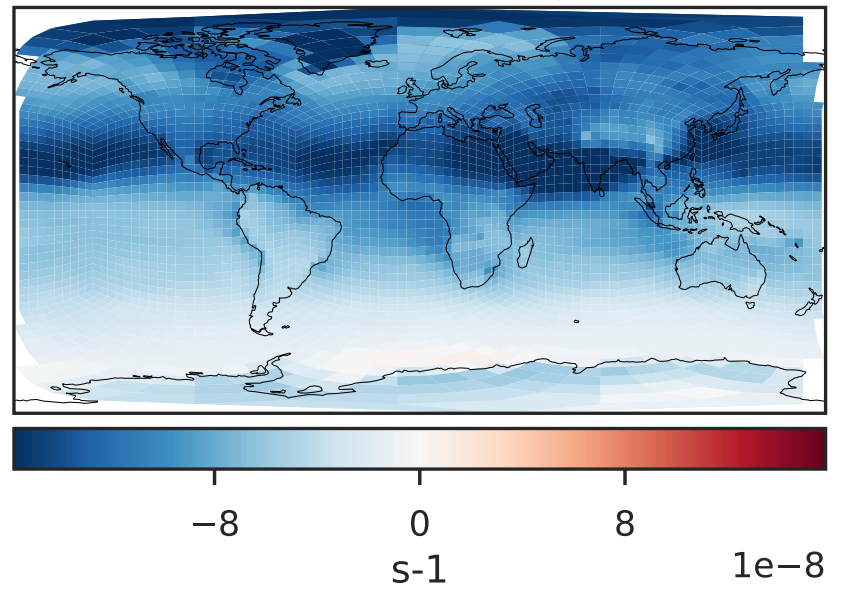
GCHP\_14.2.0 (Dev)  
c24



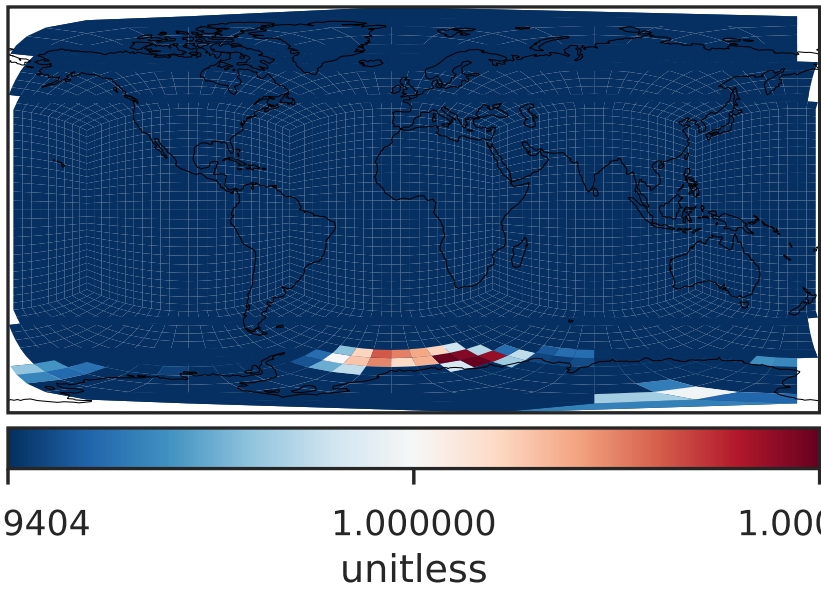
Difference  
Dev - Ref, Dynamic Range



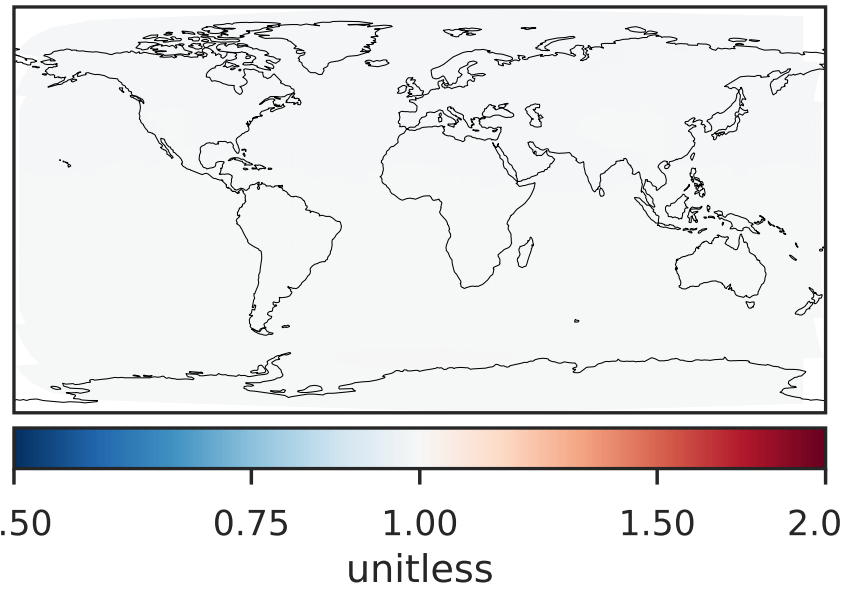
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



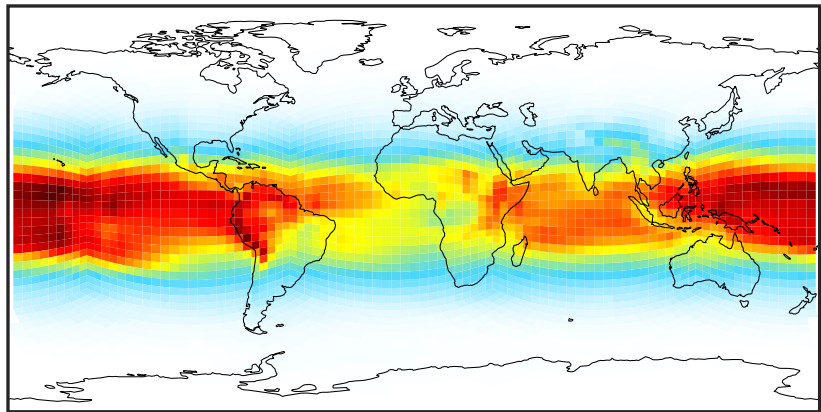
Ratio  
Dev/Ref, Fixed Range





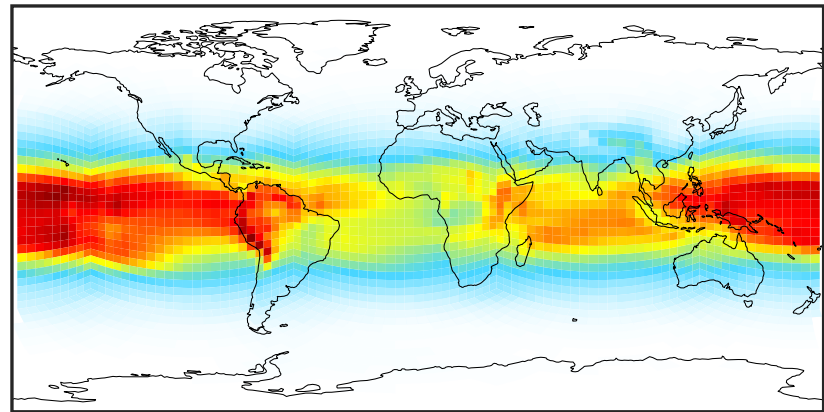
# Jval\_CH3Br (AnnualMean)

GCHP\_14.0.0 (Ref)  
c24



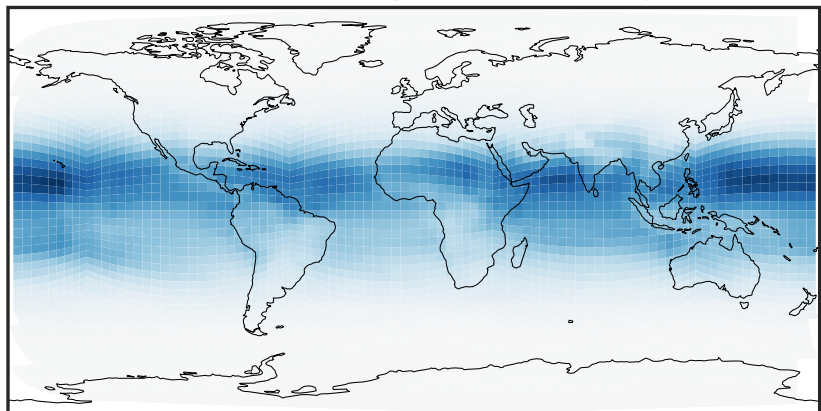
0.4 0.8 1.2  
s-1 1e-13

GCHP\_14.2.0 (Dev)  
c24



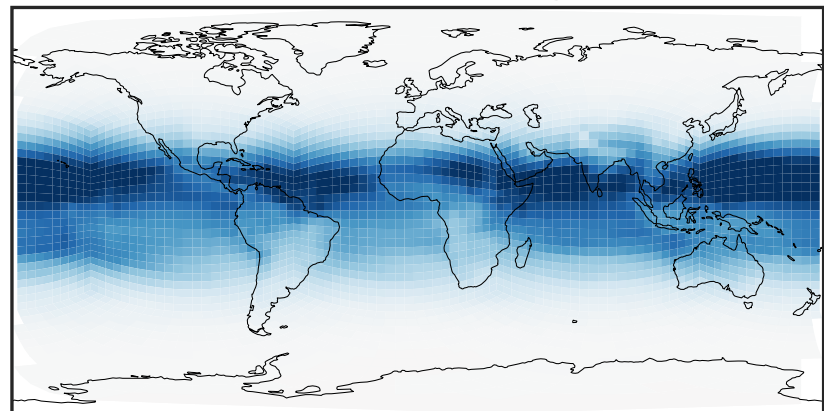
0.4 0.8 1.2  
s-1 1e-13

Difference  
Dev - Ref, Dynamic Range



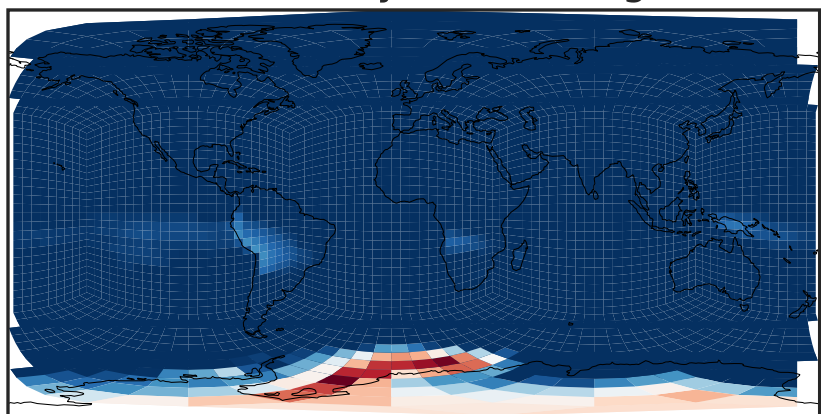
-8 0 8  
s-1 1e-15

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



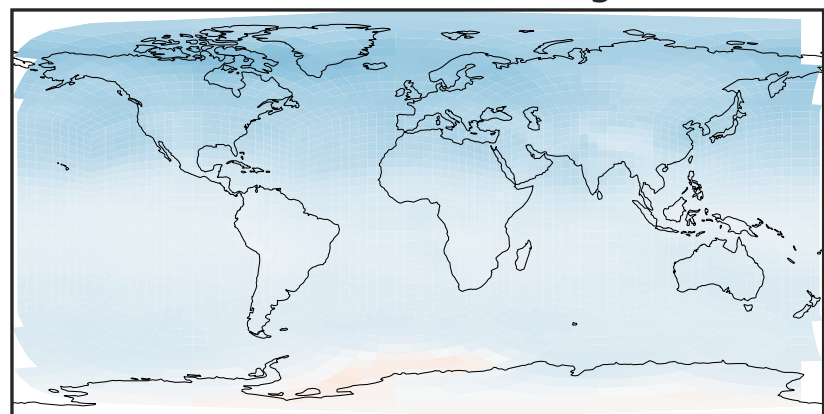
-6 0 6  
s-1 1e-15

Ratio  
Dev/Ref, Dynamic Range



0.9352 0.9676 1.0000 1.0346 1.0692  
unitless

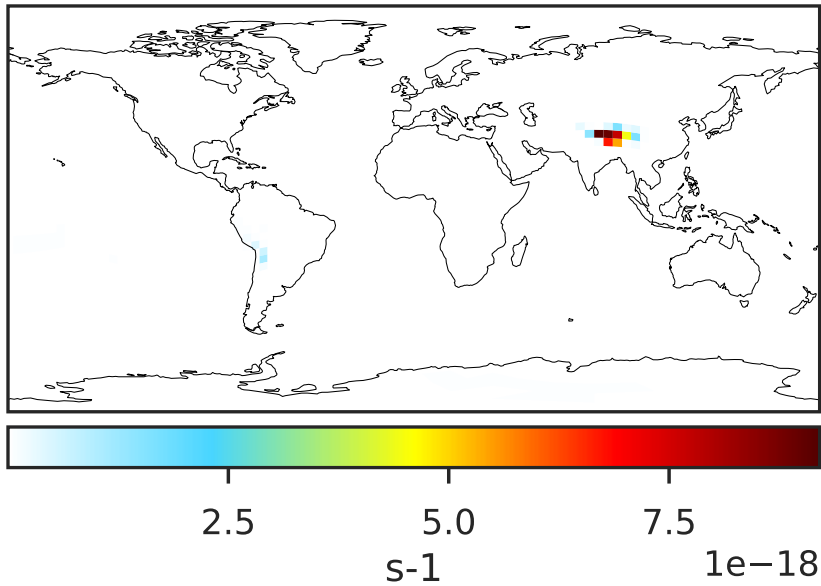
Ratio  
Dev/Ref, Fixed Range



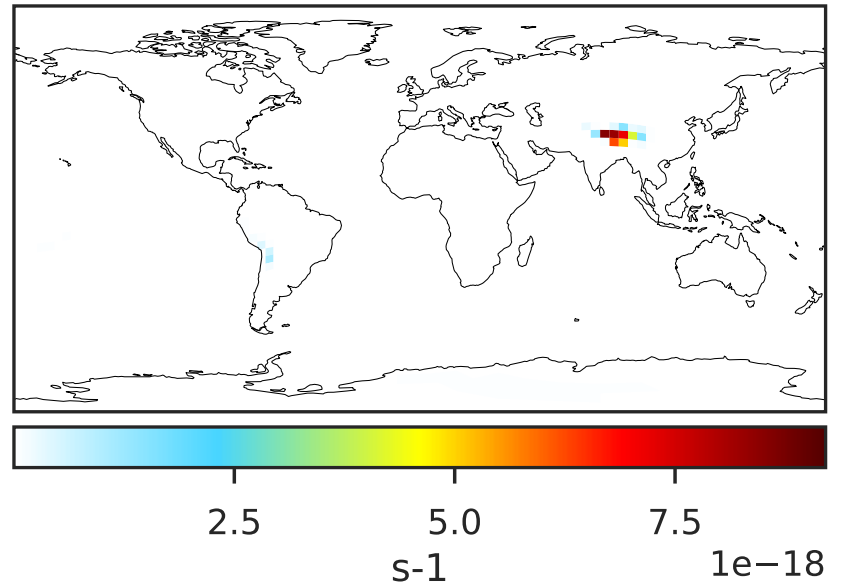
0.50 0.75 1.00 1.50 2.00  
unitless

# Jval\_CH3CCI3 (AnnualMean)

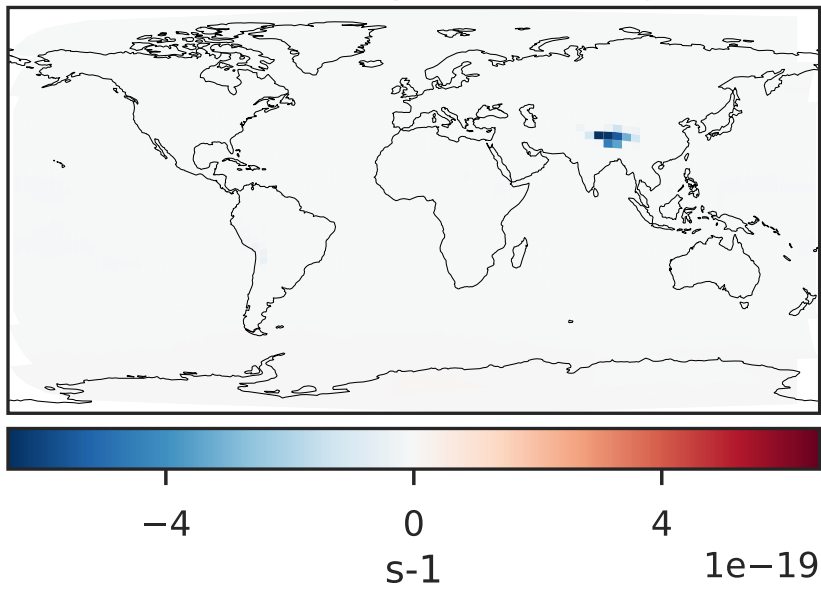
GCHP\_14.0.0 (Ref)  
c24



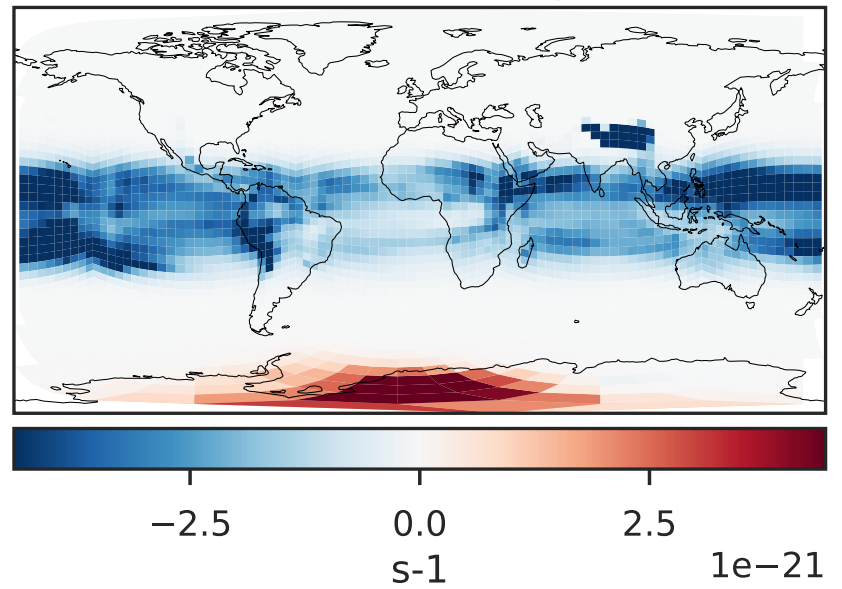
GCHP\_14.2.0 (Dev)  
c24



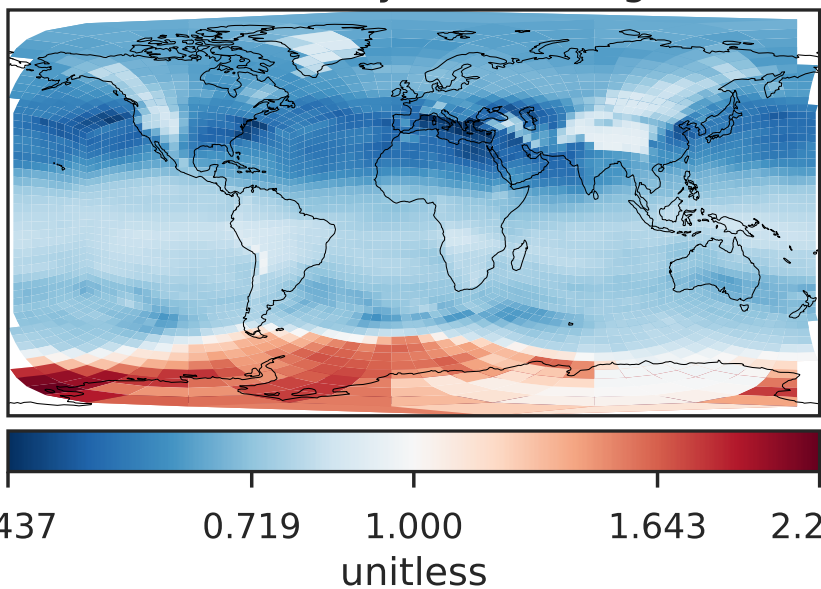
Difference  
Dev - Ref, Dynamic Range



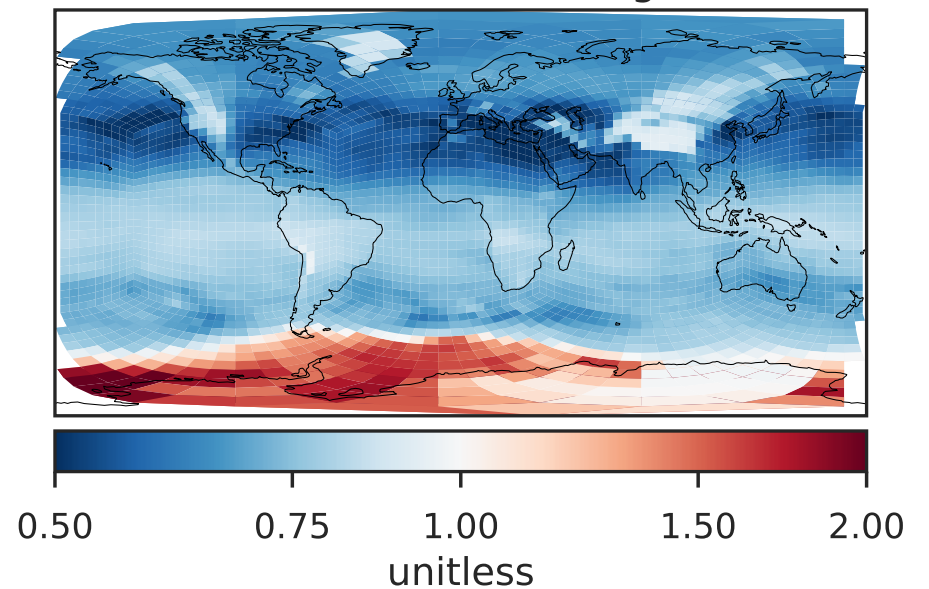
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

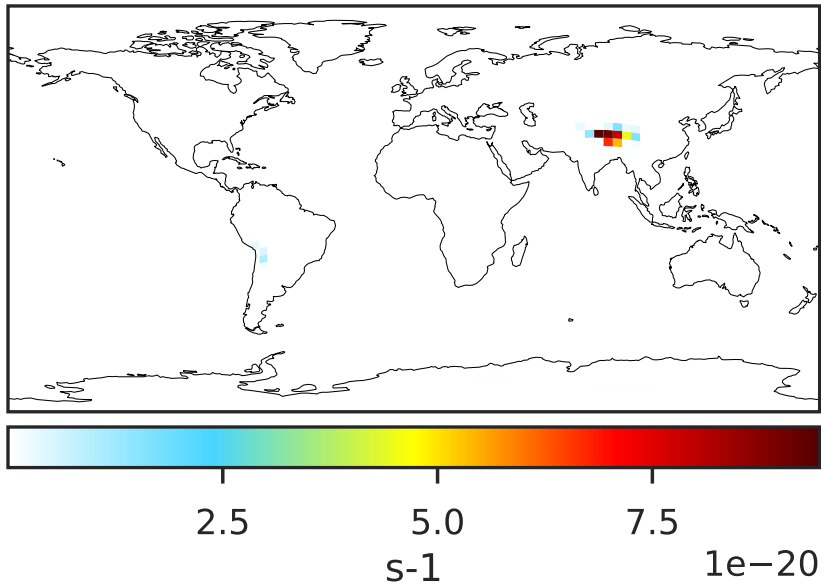


Ratio  
Dev/Ref, Fixed Range

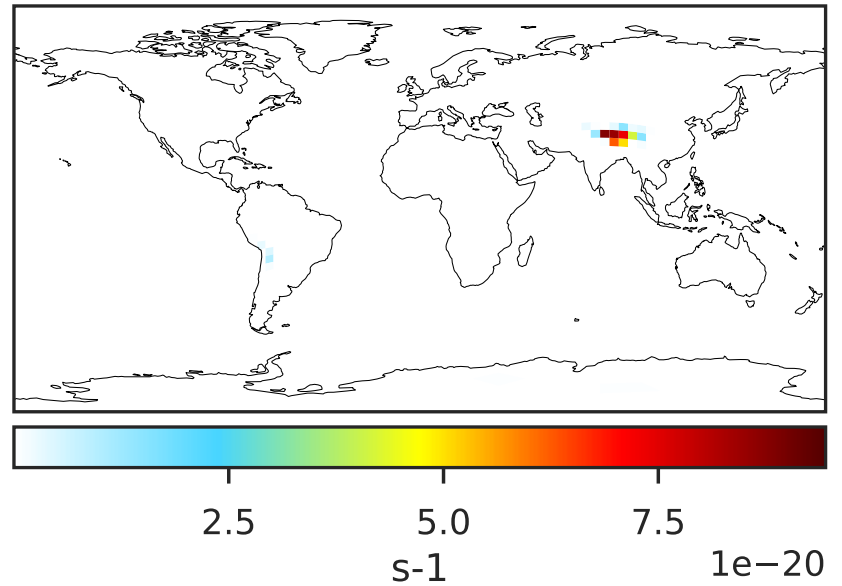


# Jval\_CH3Cl (AnnualMean)

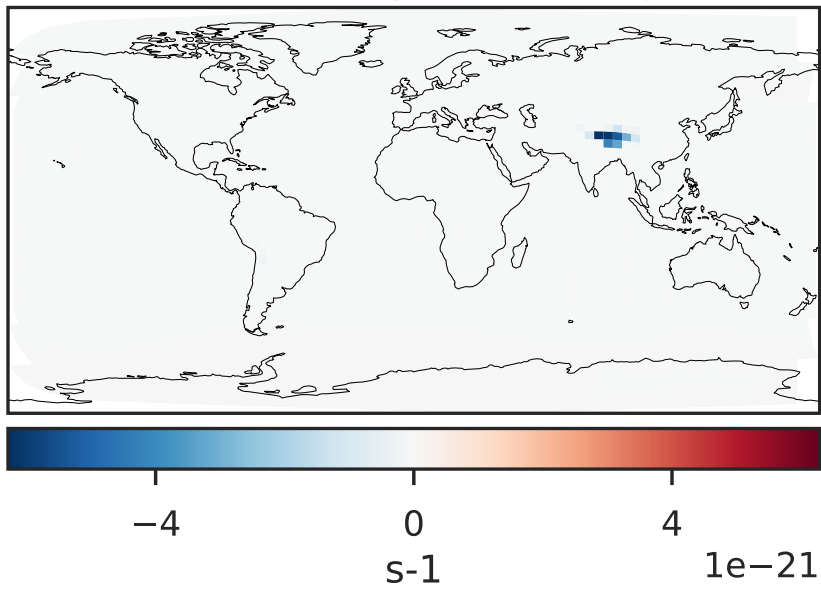
GCHP\_14.0.0 (Ref)  
c24



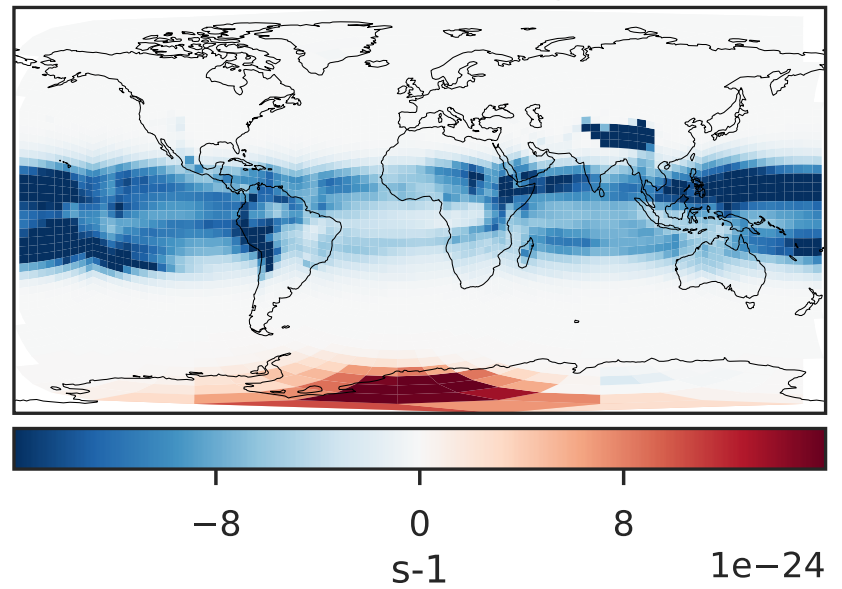
GCHP\_14.2.0 (Dev)  
c24



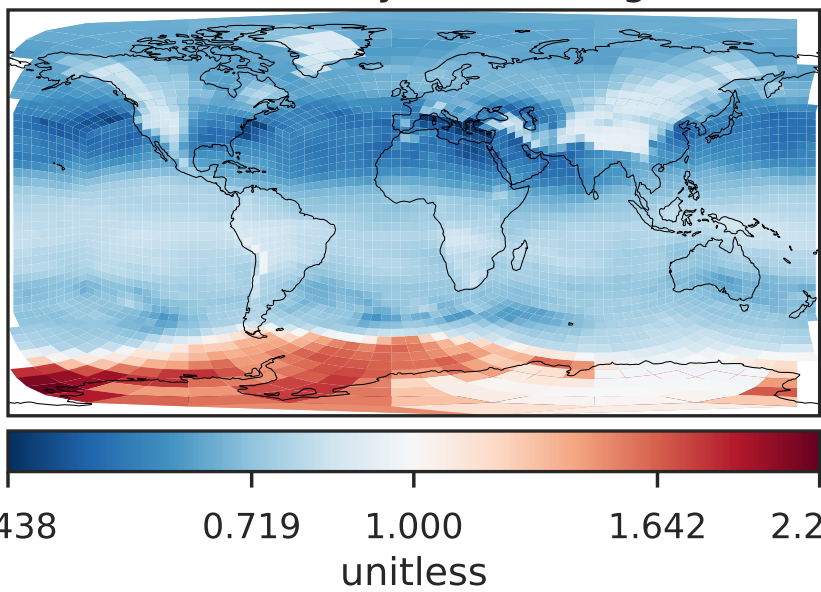
Difference  
Dev - Ref, Dynamic Range



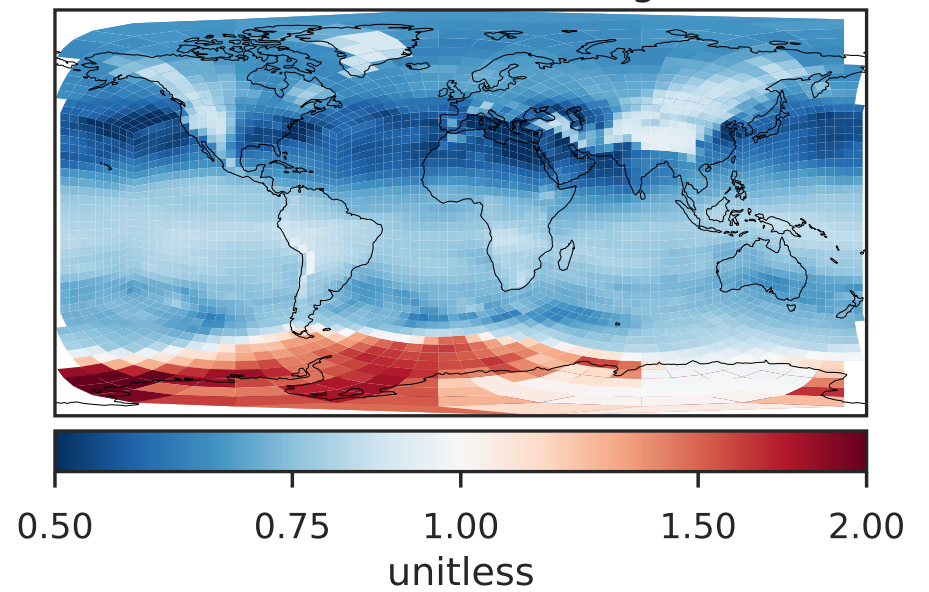
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



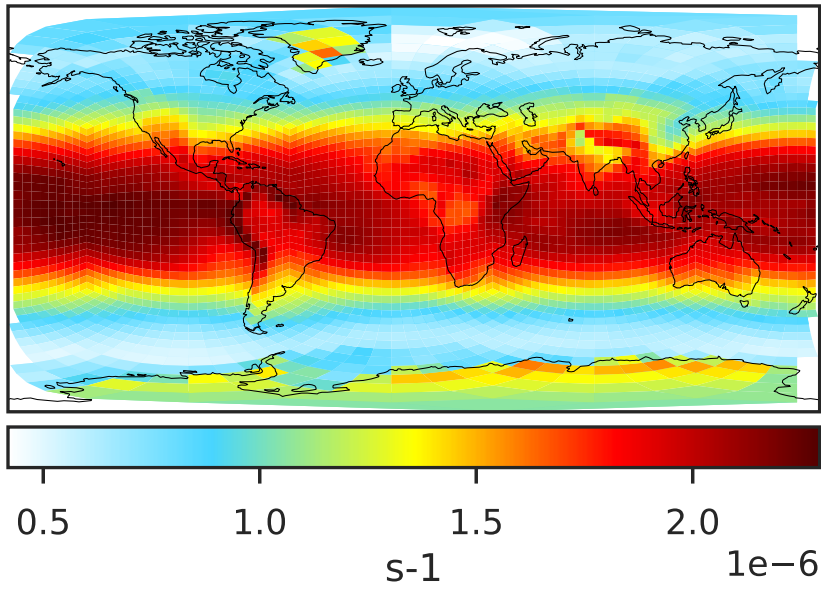
Ratio  
Dev/Ref, Fixed Range



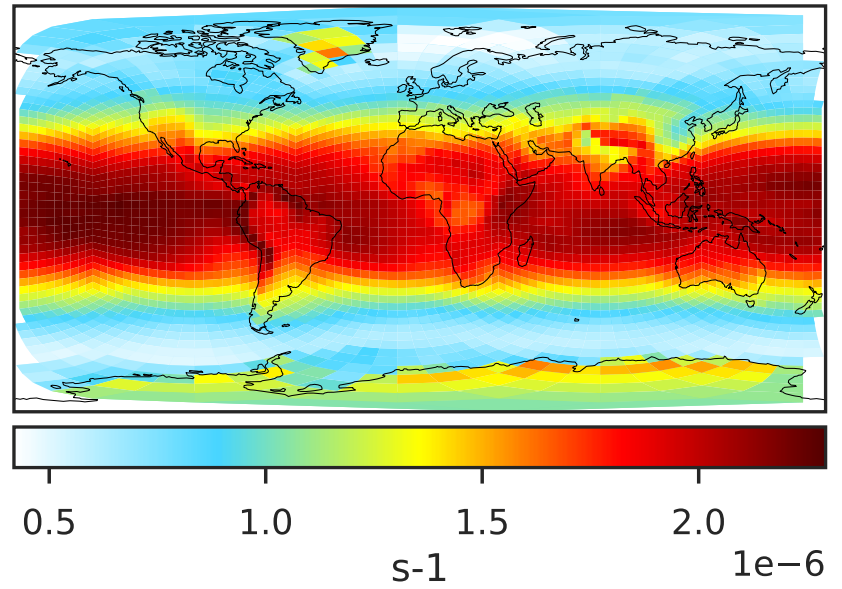


# Jval\_CH3I (AnnualMean)

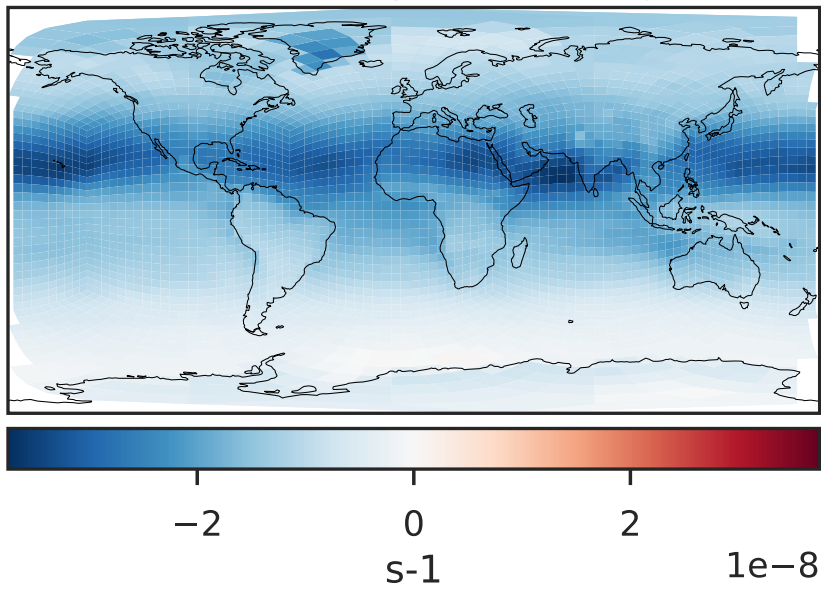
GCHP\_14.0.0 (Ref)  
c24



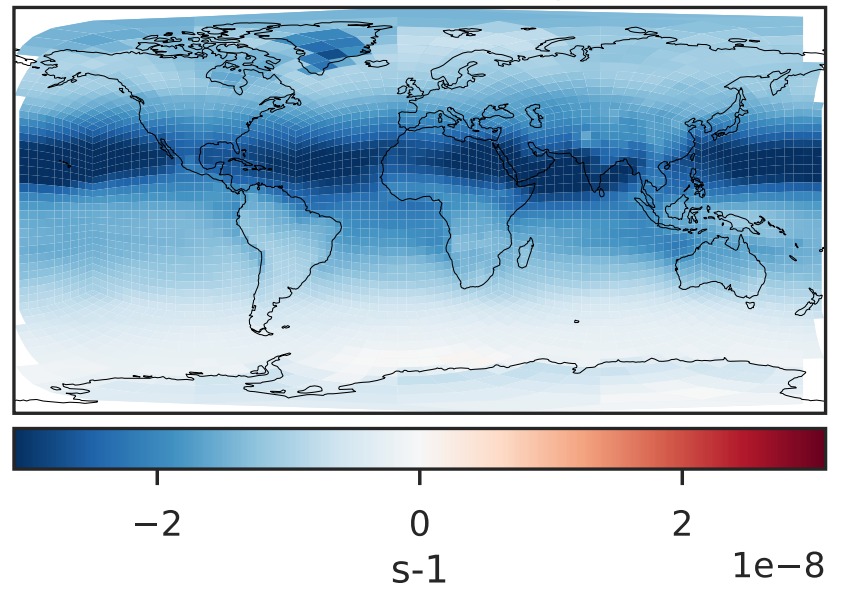
GCHP\_14.2.0 (Dev)  
c24



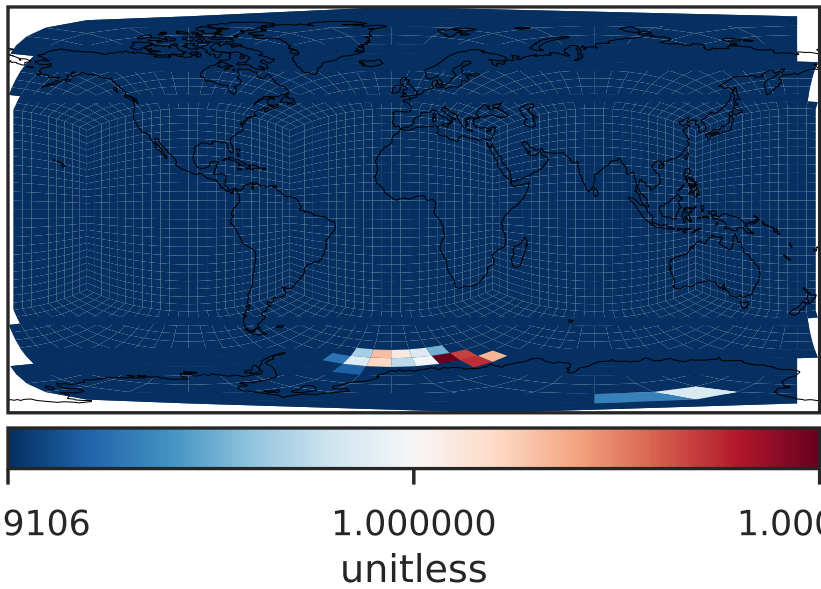
Difference  
Dev - Ref, Dynamic Range



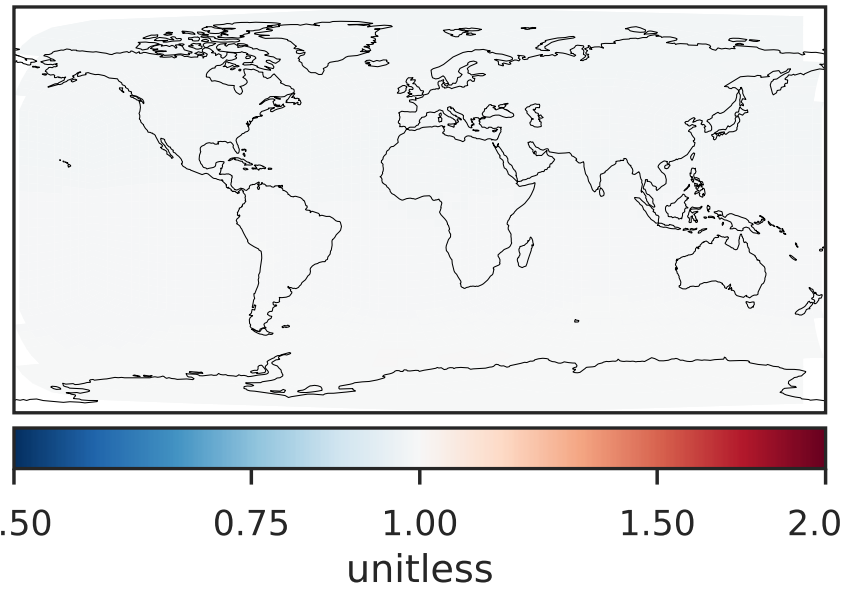
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

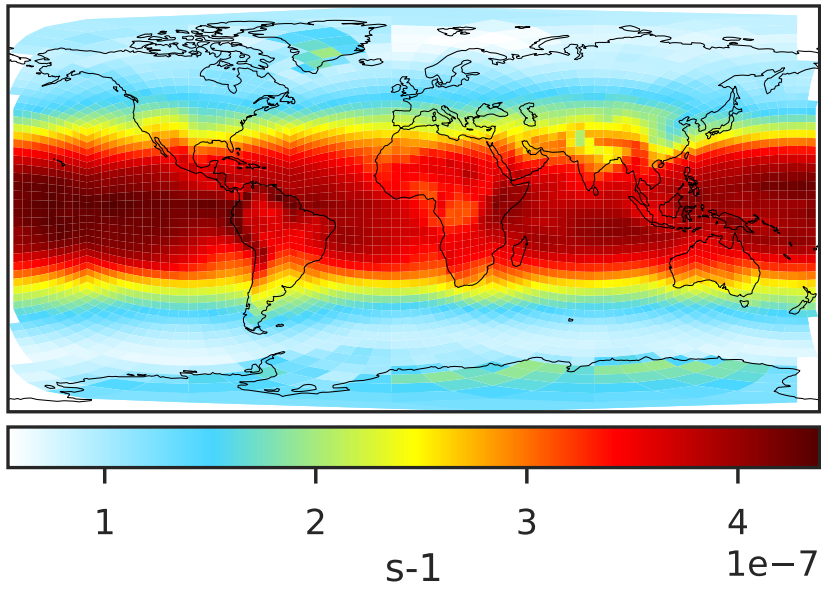


Ratio  
Dev/Ref, Fixed Range

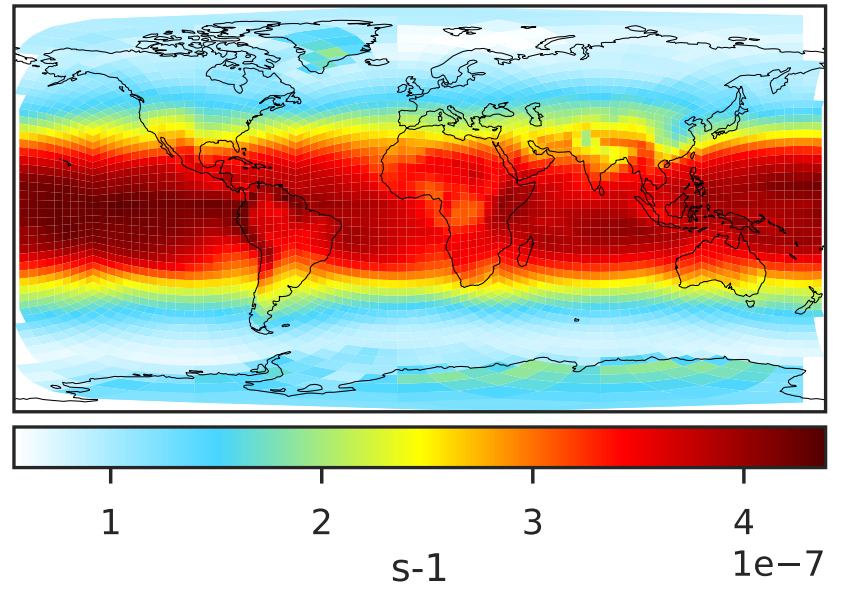


# Jval\_CHBr3 (AnnualMean)

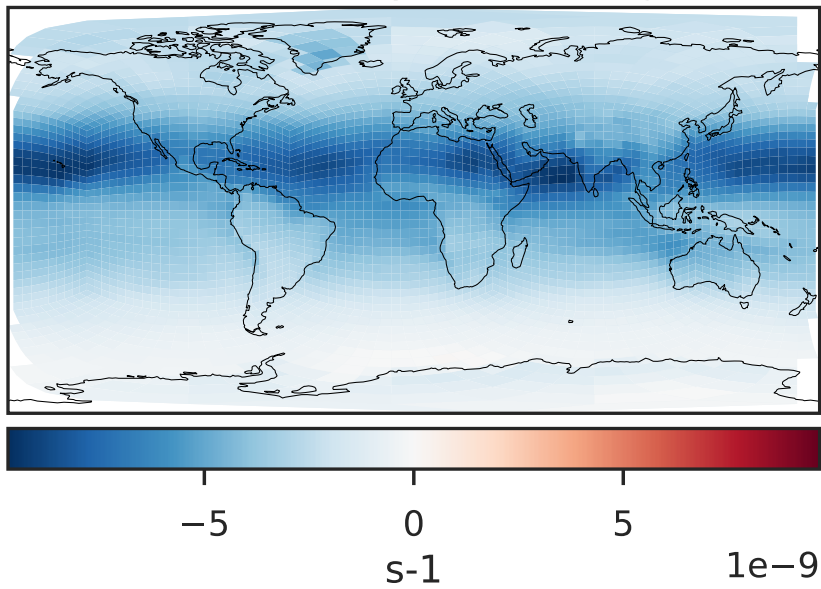
GCHP\_14.0.0 (Ref)  
c24



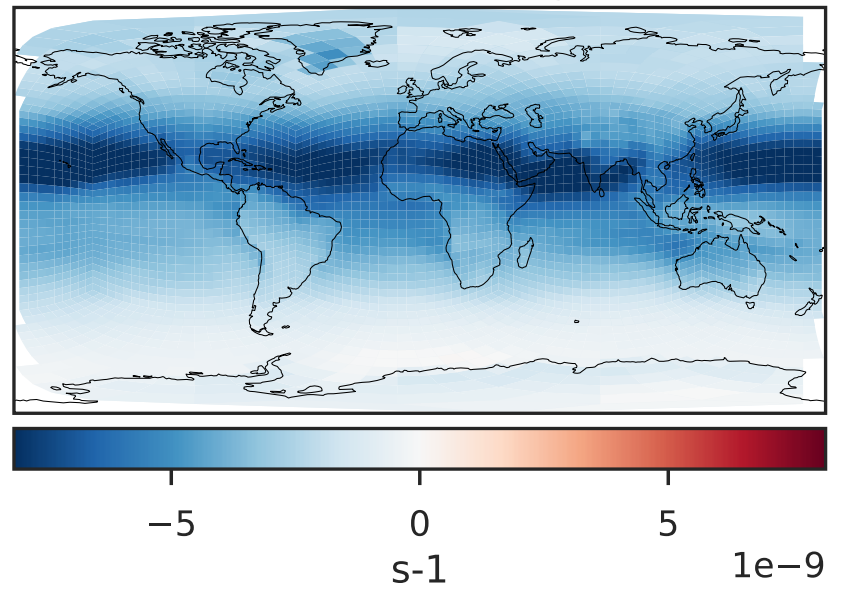
GCHP\_14.2.0 (Dev)  
c24



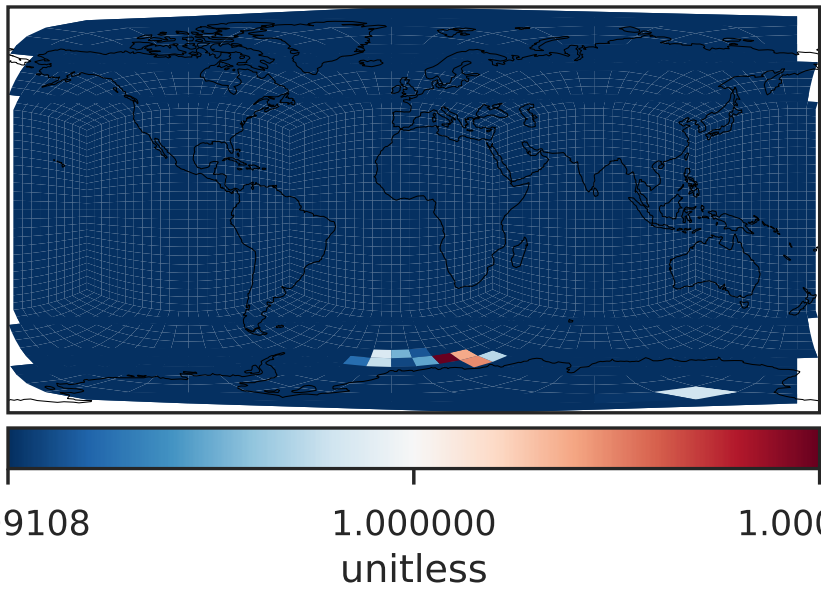
Difference  
Dev - Ref, Dynamic Range



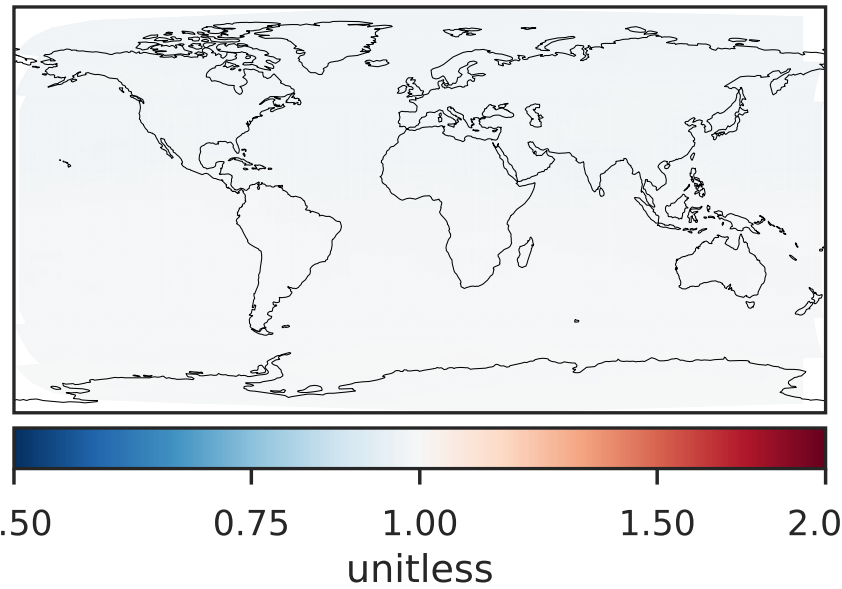
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

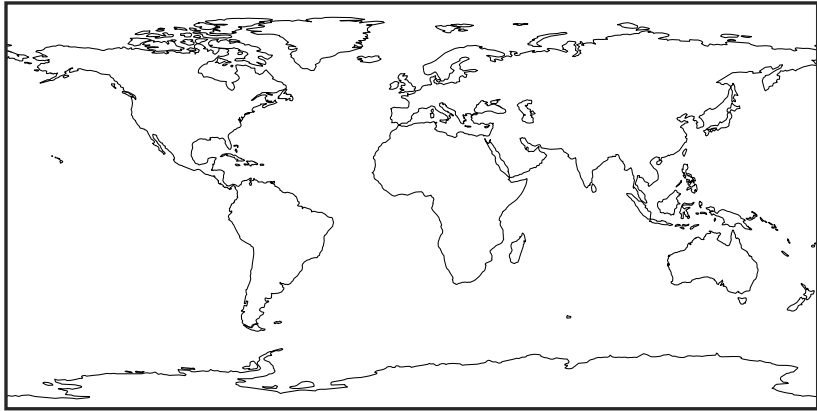


Ratio  
Dev/Ref, Fixed Range



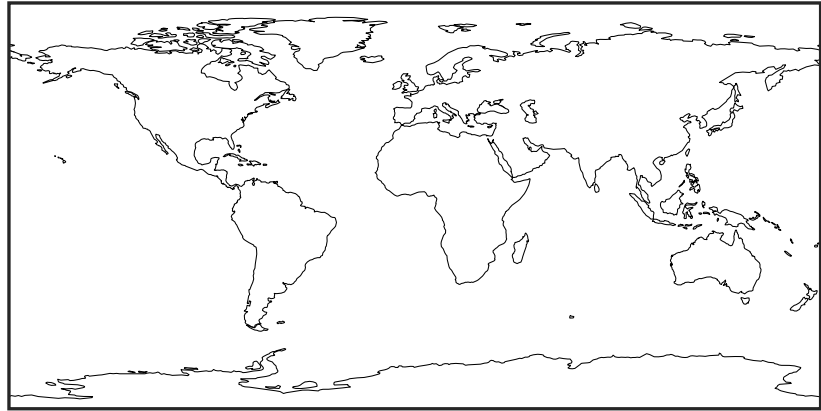
# Jval\_CHCl3 (AnnualMean)

GCHP\_14.0.0 (Ref)  
c24



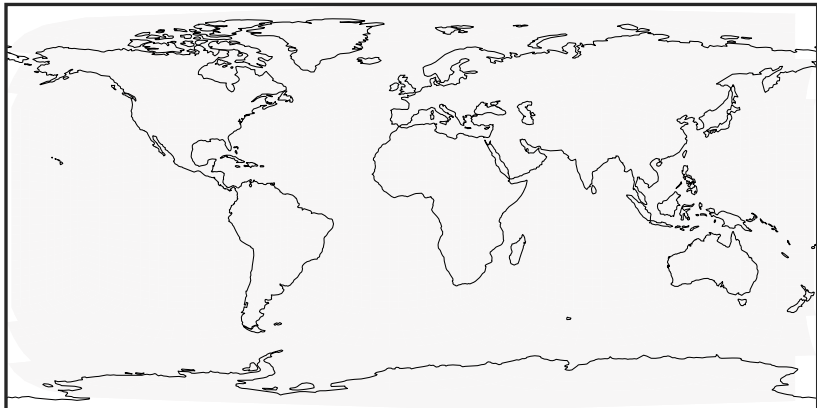
Zero throughput domain  
s-1

GCHP\_14.2.0 (Dev)  
c24



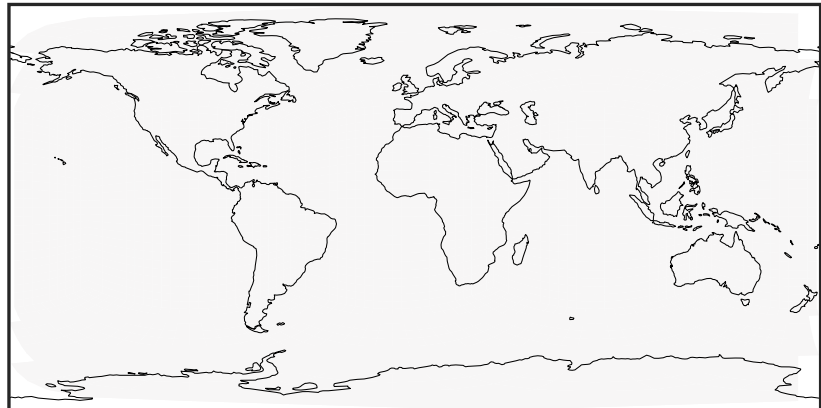
Zero throughput domain  
s-1

Difference  
Dev - Ref, Dynamic Range



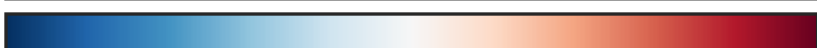
Zero throughput domain  
s-1

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



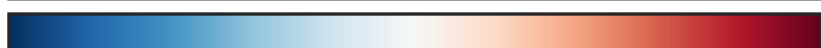
Zero throughput domain  
s-1

Ratio  
Dev/Ref, Dynamic Range



Undefined throughput domain  
unitless

Ratio  
Dev/Ref, Fixed Range

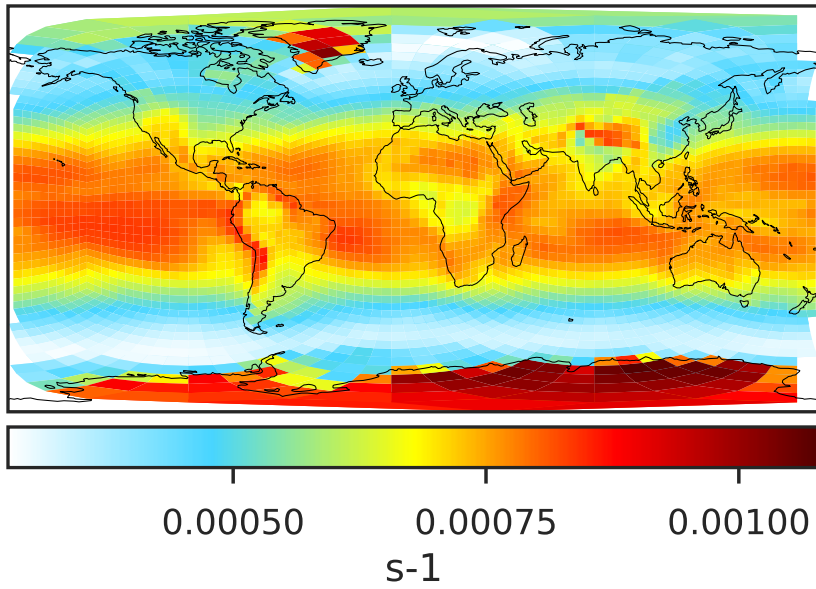


Undefined throughput domain  
unitless

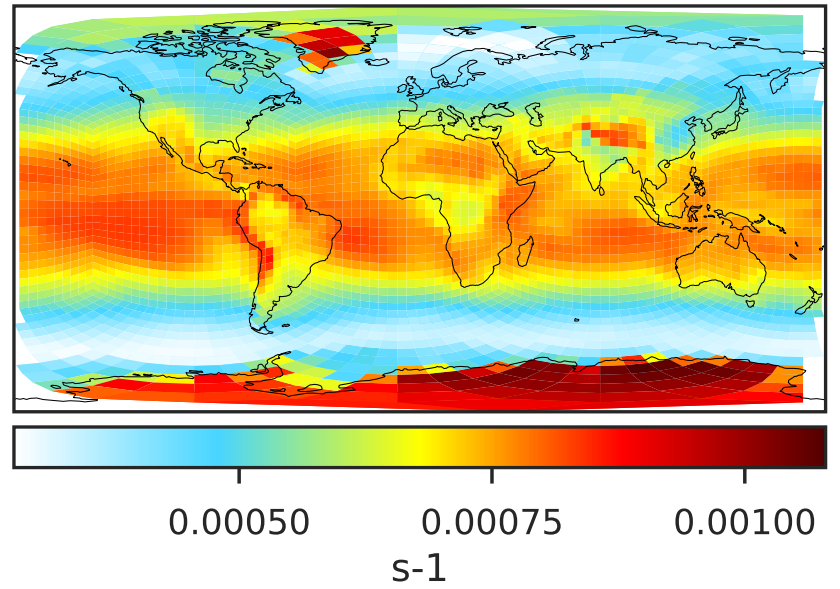


# Jval\_CI2 (AnnualMean)

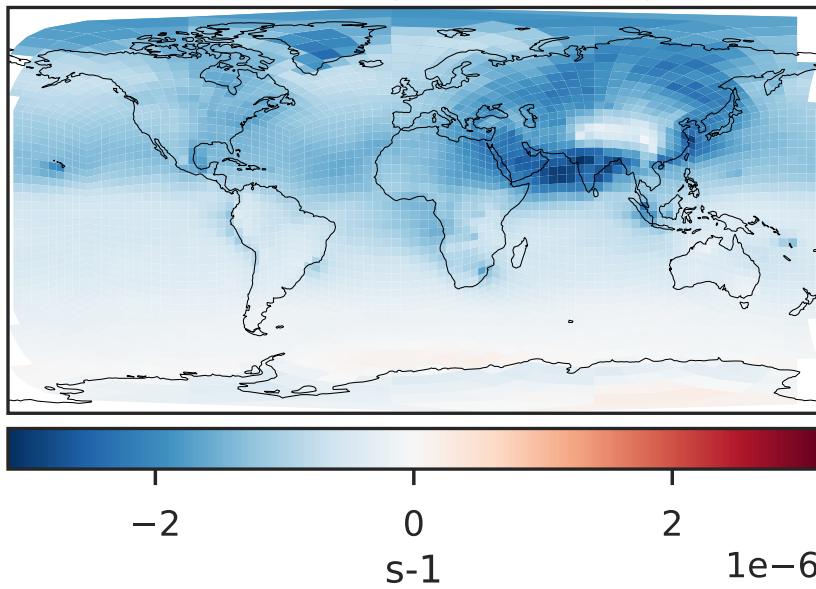
GCHP\_14.0.0 (Ref)  
c24



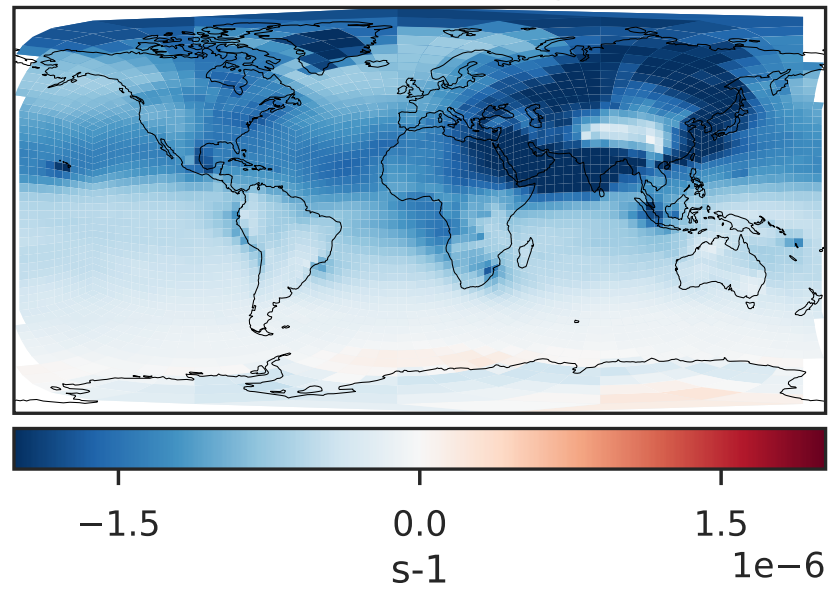
GCHP\_14.2.0 (Dev)  
c24



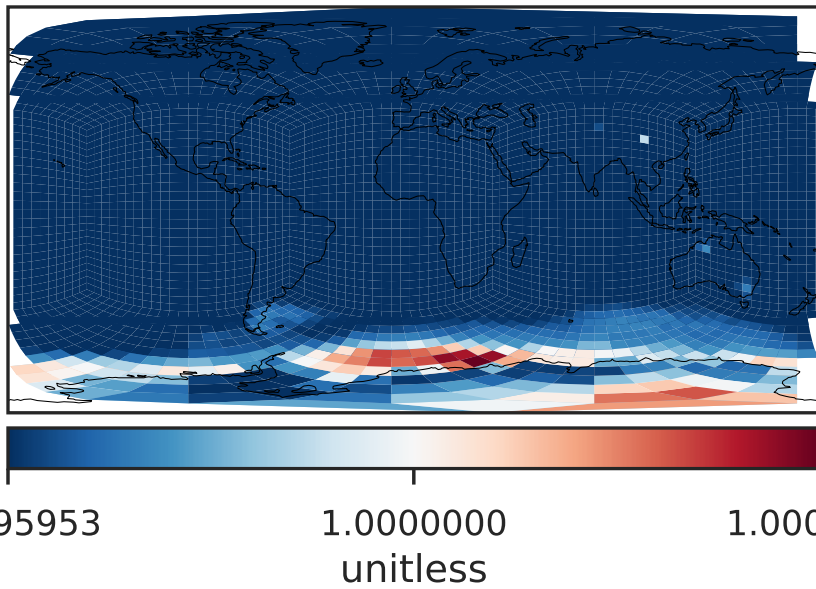
Difference  
Dev - Ref, Dynamic Range



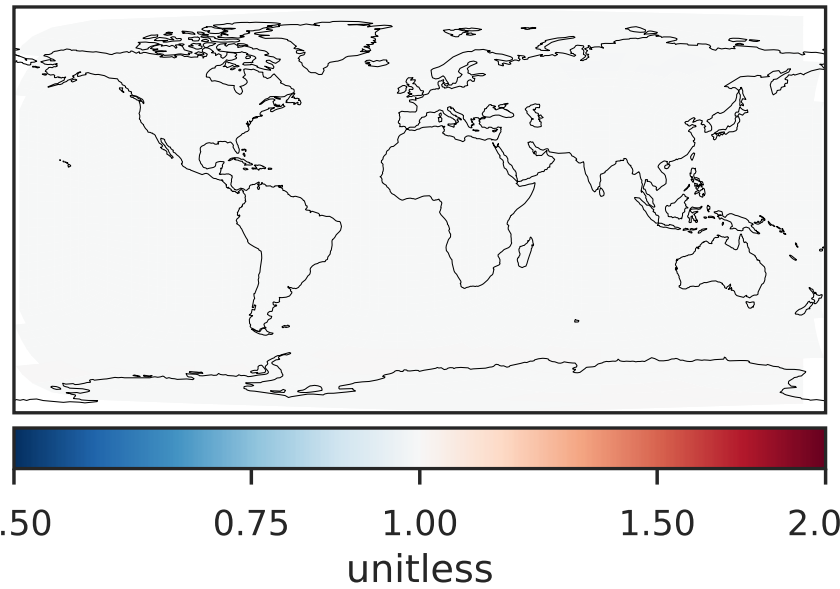
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

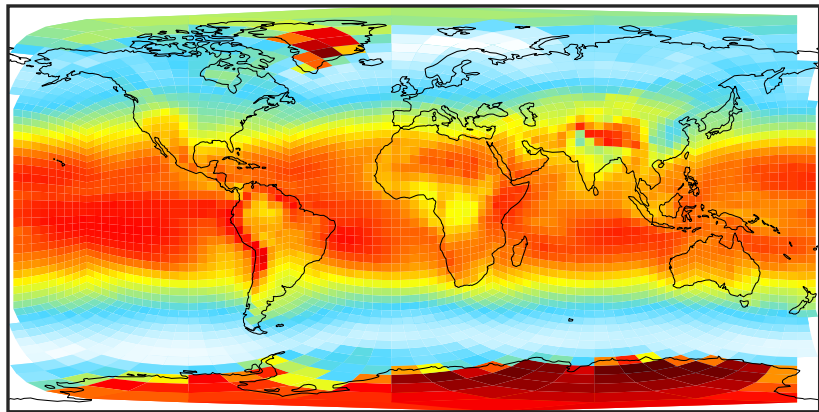


Ratio  
Dev/Ref, Fixed Range



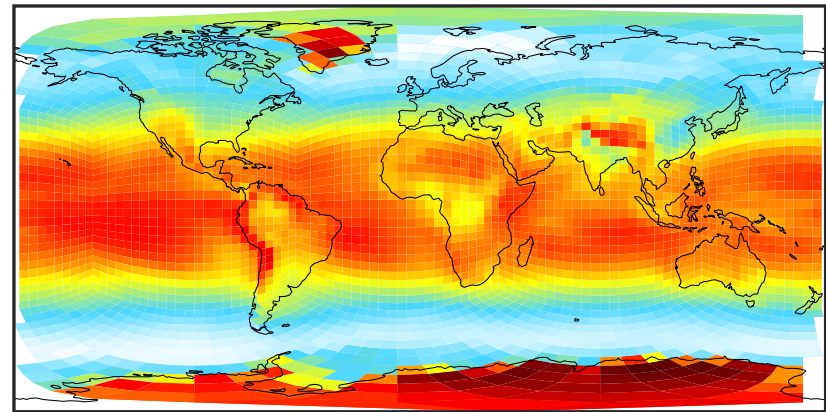
# Jval\_Cl202 (AnnualMean)

GCHP\_14.0.0 (Ref)  
c24



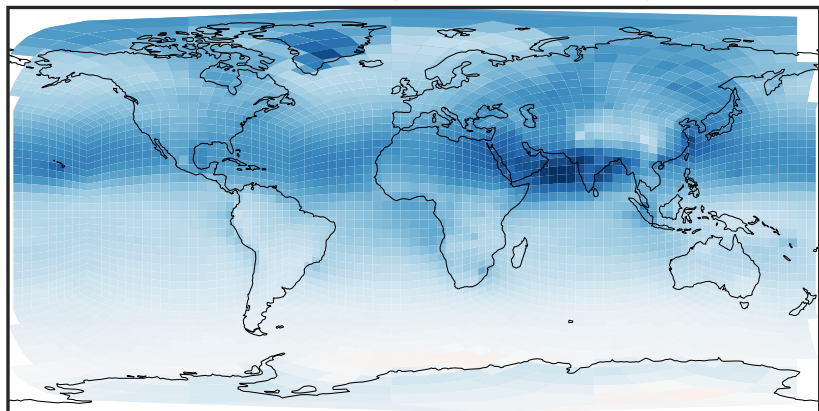
0.0004 0.0006 0.0008  
s-1

GCHP\_14.2.0 (Dev)  
c24



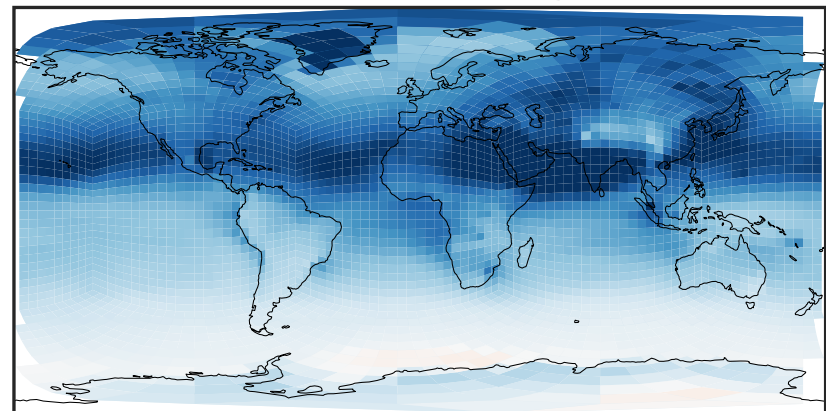
0.0004 0.0006 0.0008  
s-1

Difference  
Dev - Ref, Dynamic Range



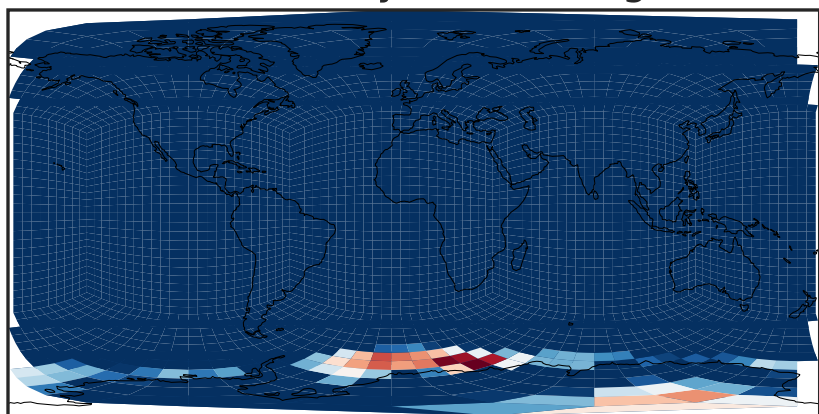
-2 0 2  
s-1 1e-6

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



-1.5 0.0 1.5  
s-1 1e-6

Ratio  
Dev/Ref, Dynamic Range



0.9995452 1.000000 1.0004550  
unitless

Ratio  
Dev/Ref, Fixed Range

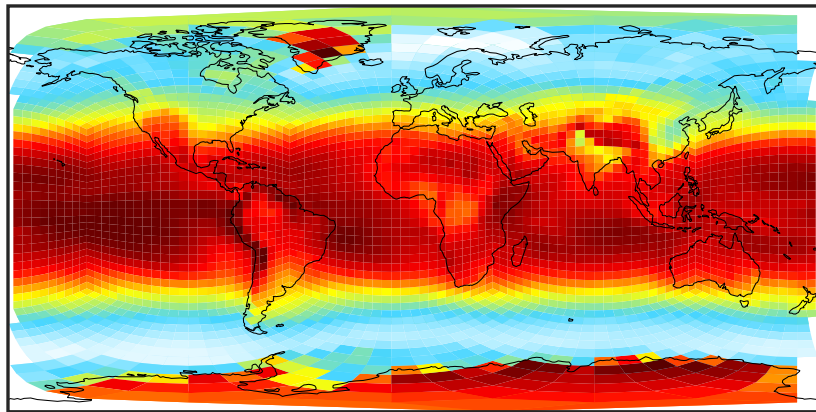


0.50 0.75 1.00 1.50 2.00  
unitless



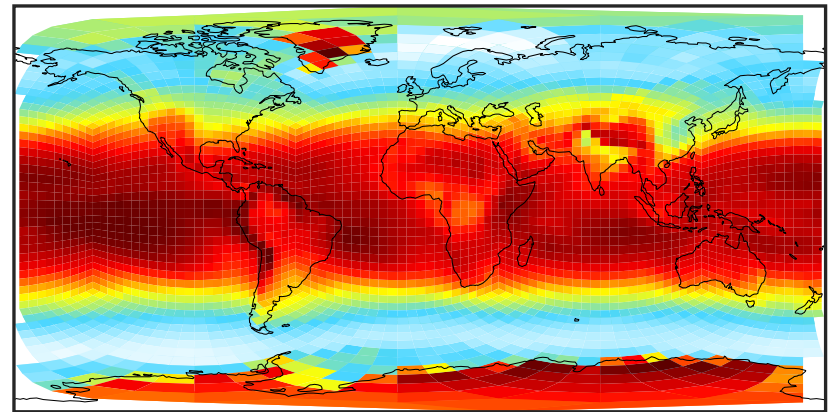
# Jval\_CIN02 (AnnualMean)

GCHP\_14.0.0 (Ref)  
c24



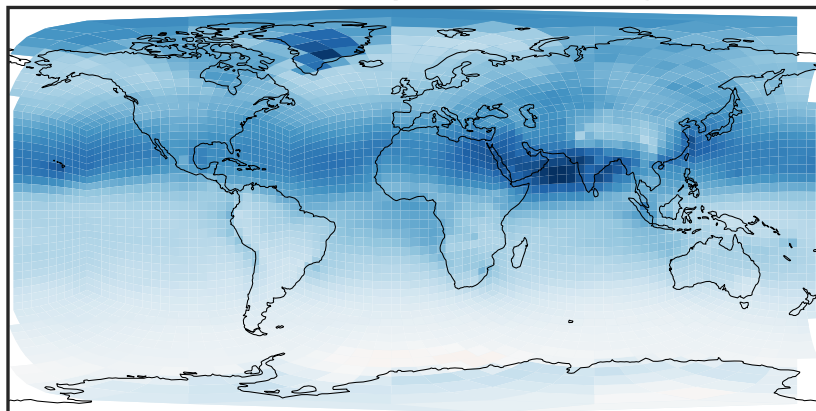
0.000050 0.000075 0.000100 0.000125  
s-1

GCHP\_14.2.0 (Dev)  
c24



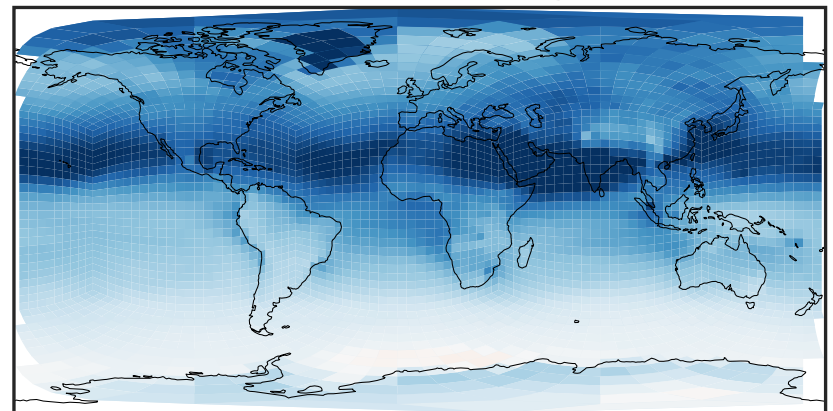
0.000050 0.000075 0.000100 0.000125  
s-1

Difference  
Dev - Ref, Dynamic Range



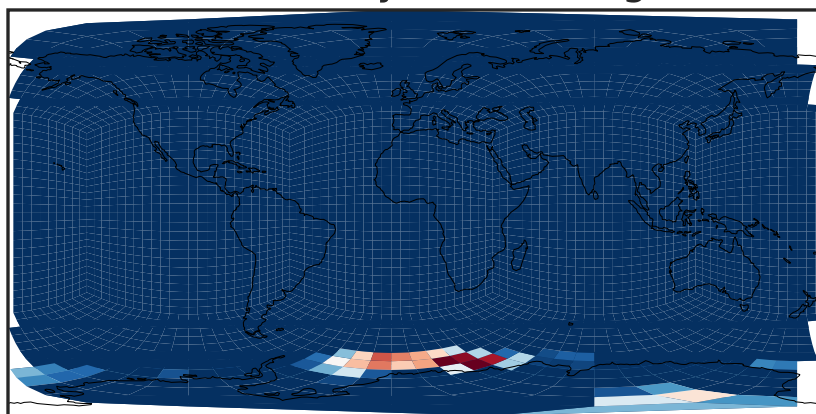
-5 0 5  
s-1 1e-7

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



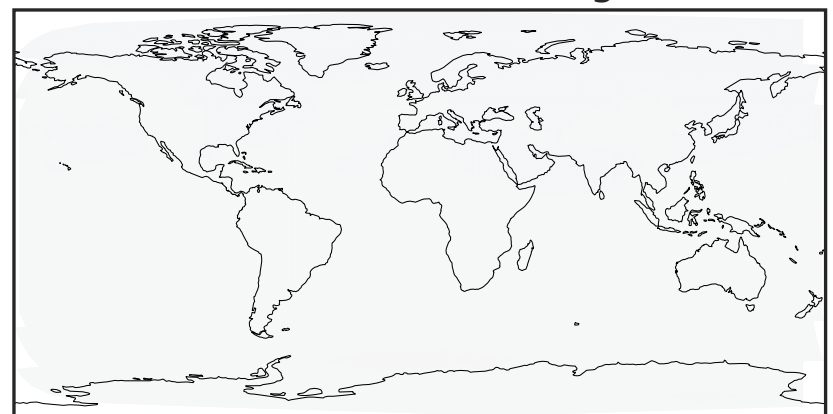
-4 0 4  
s-1 1e-7

Ratio  
Dev/Ref, Dynamic Range



0.999476 1.000000 1.000524  
unitless

Ratio  
Dev/Ref, Fixed Range

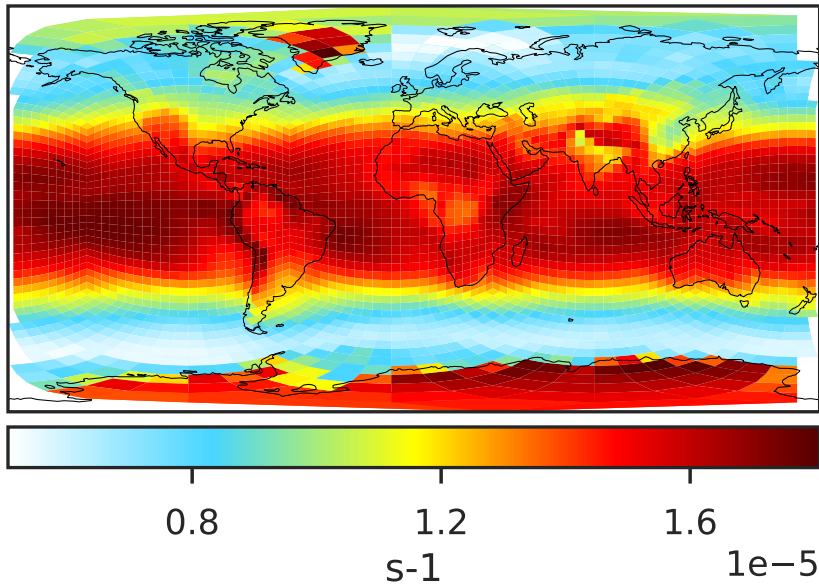


0.50 0.75 1.00 1.50 2.00  
unitless

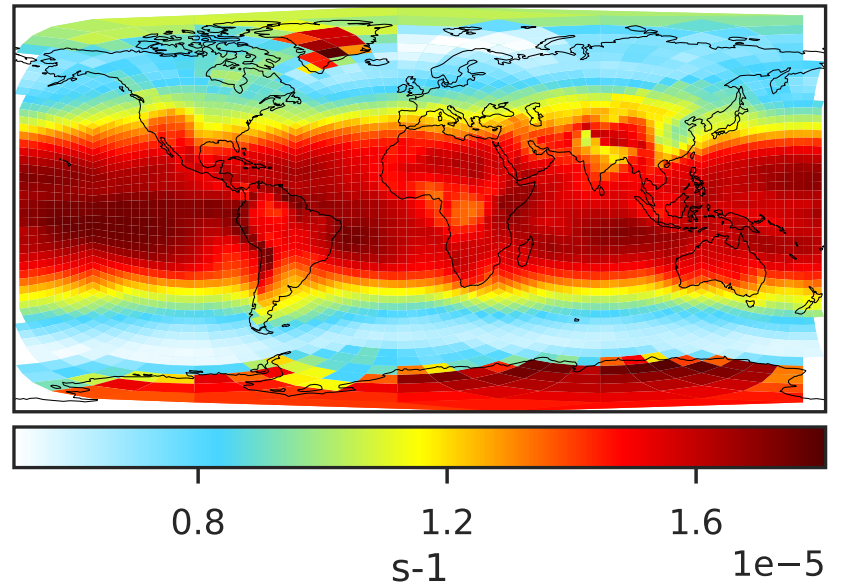


# Jval\_CIN03 (AnnualMean)

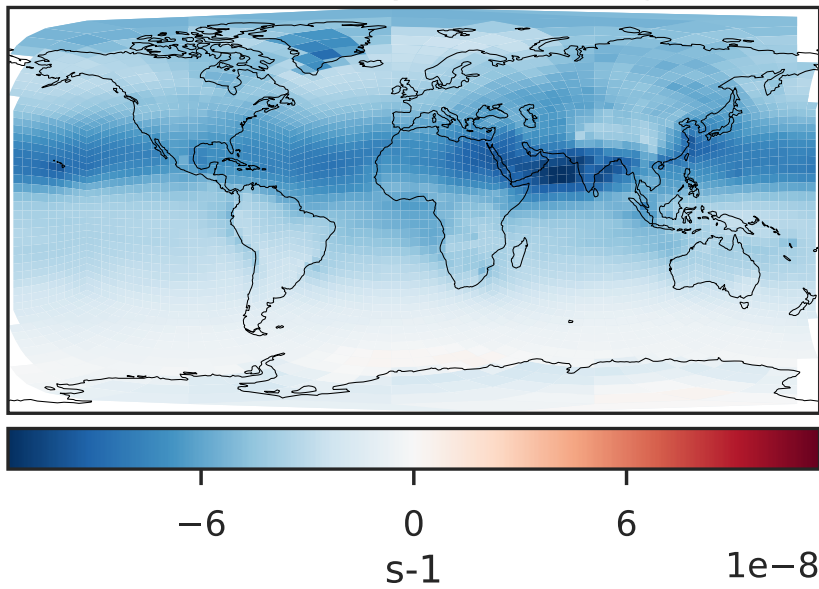
GCHP\_14.0.0 (Ref)  
c24



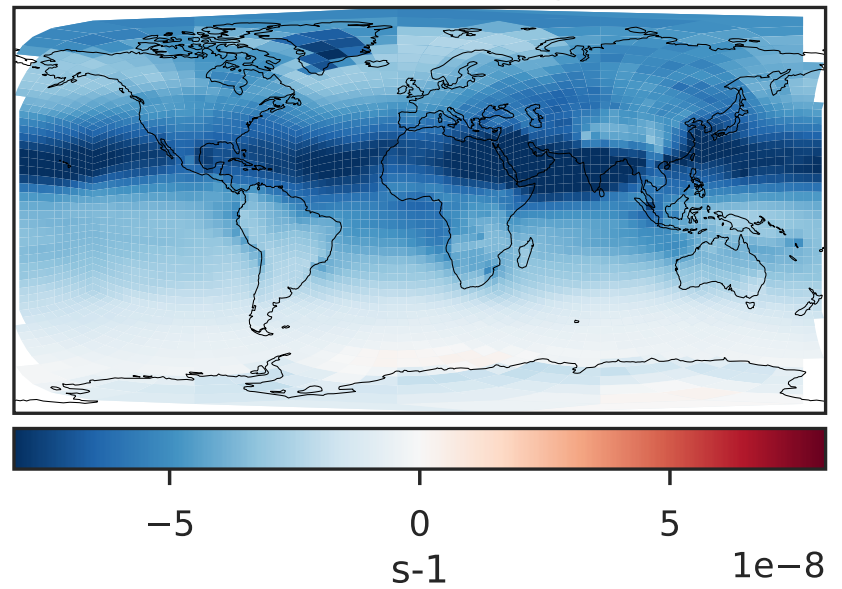
GCHP\_14.2.0 (Dev)  
c24



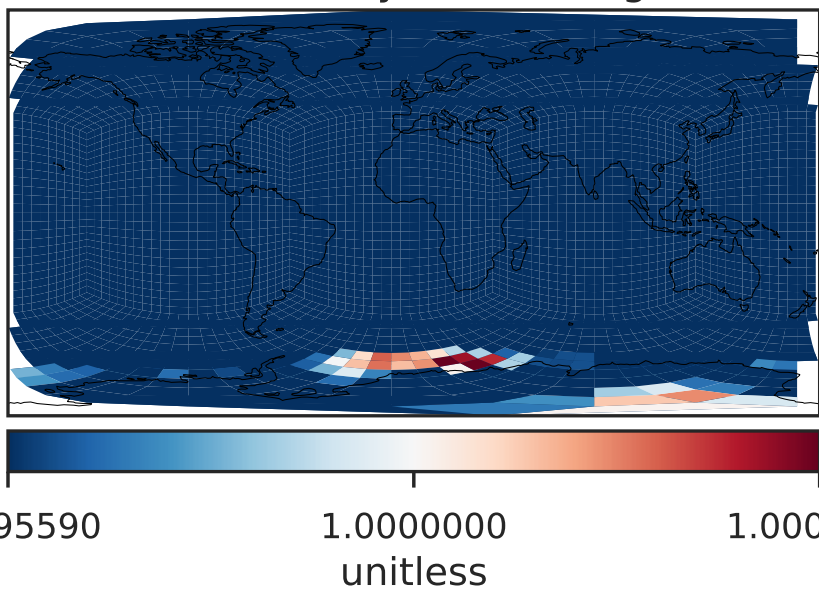
Difference  
Dev - Ref, Dynamic Range



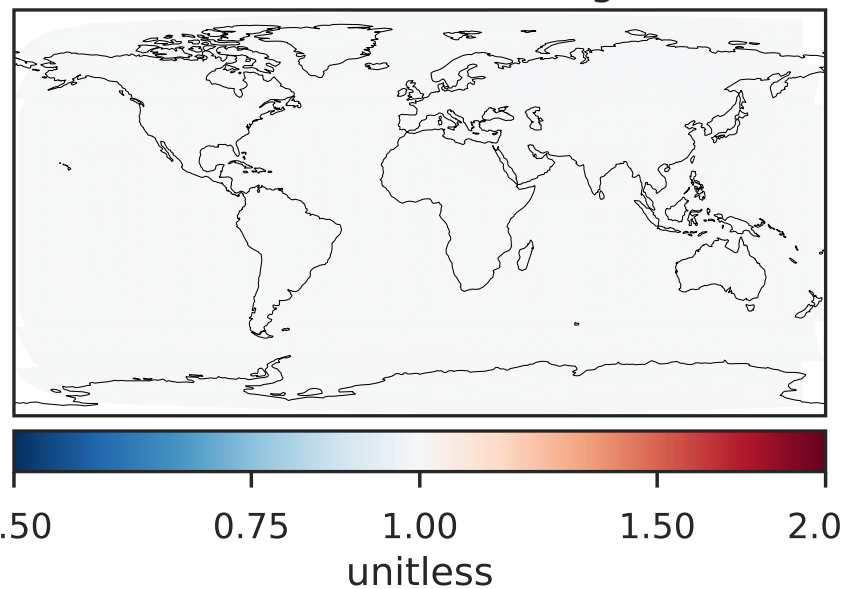
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

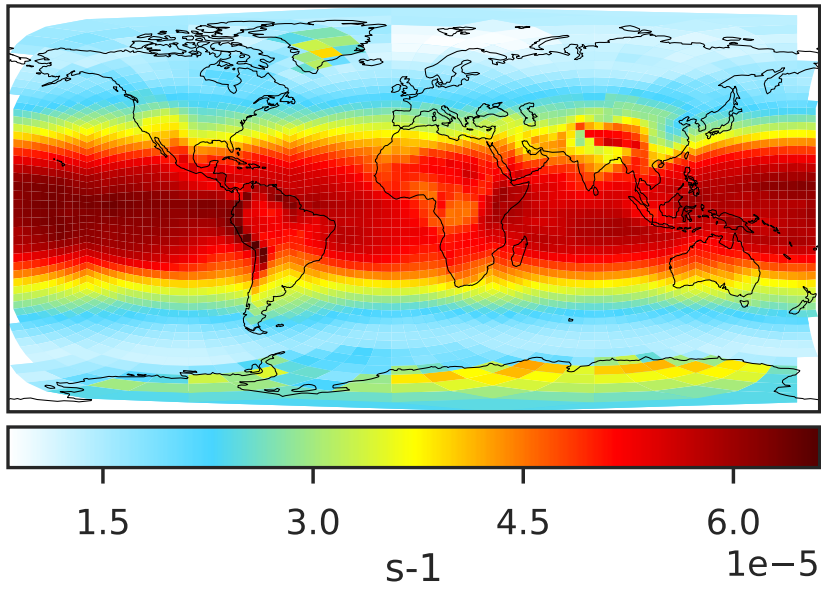


Ratio  
Dev/Ref, Fixed Range

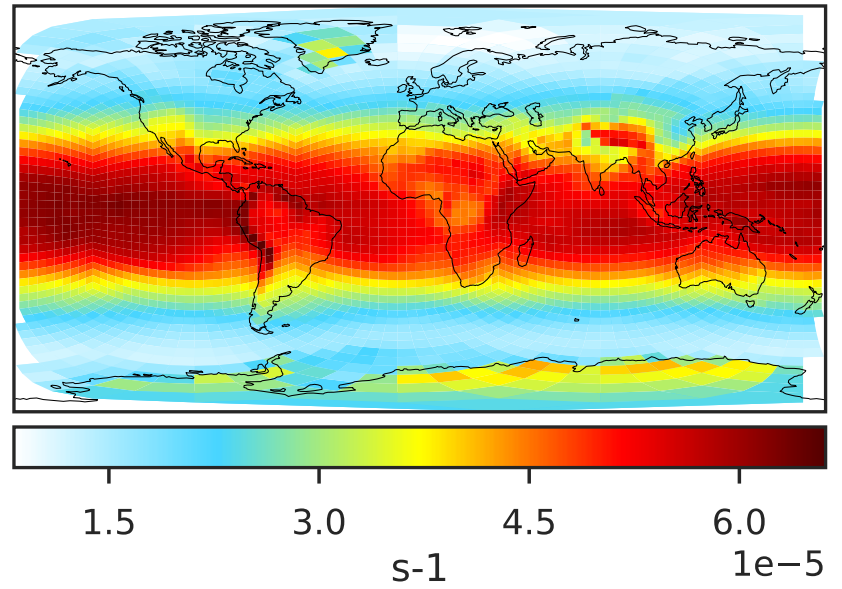


# Jval\_CIO (AnnualMean)

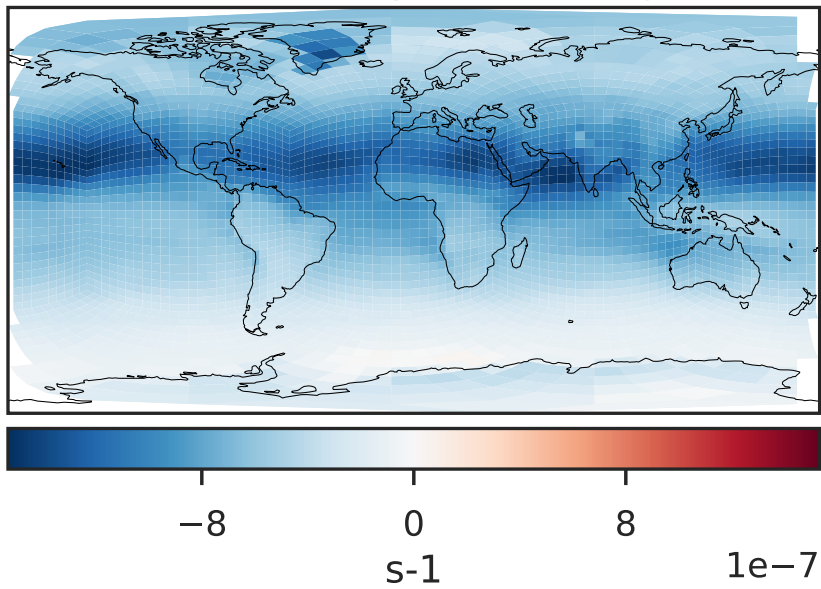
GCHP\_14.0.0 (Ref)  
c24



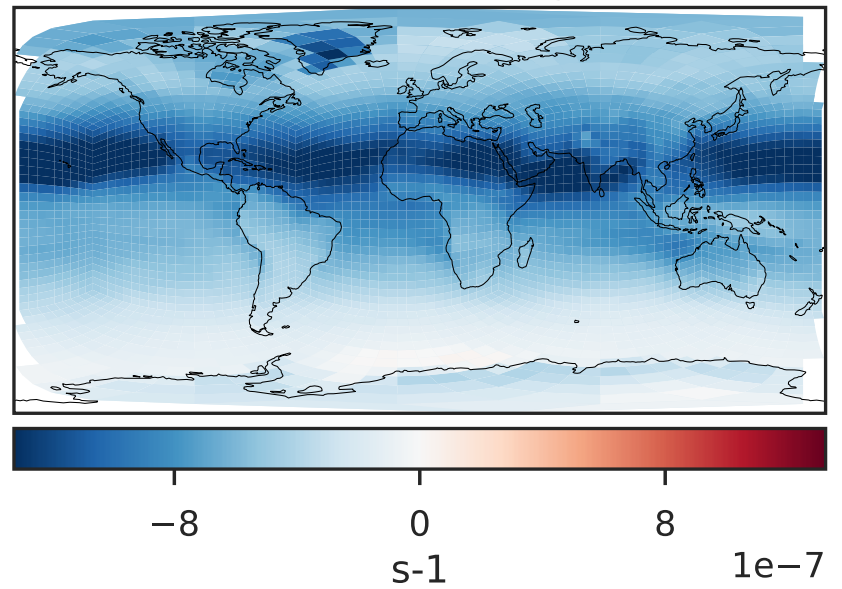
GCHP\_14.2.0 (Dev)  
c24



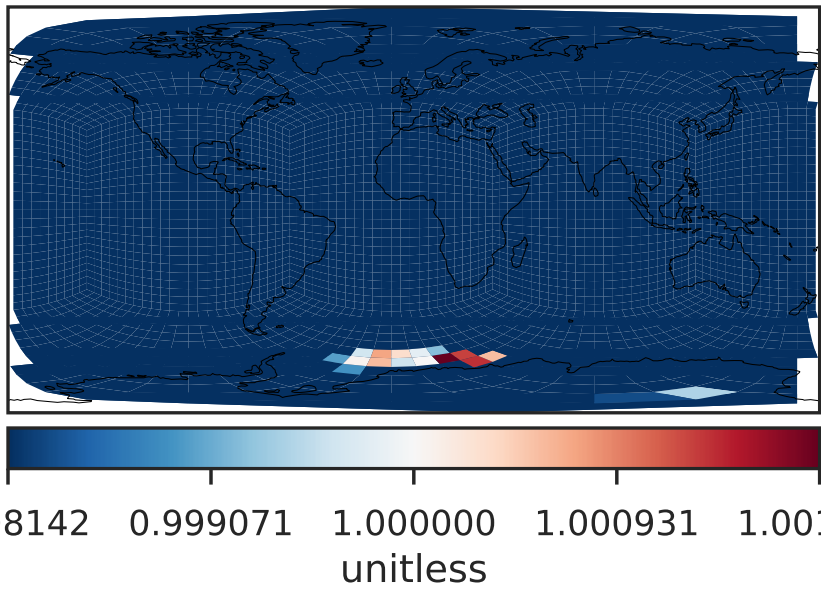
Difference  
Dev - Ref, Dynamic Range



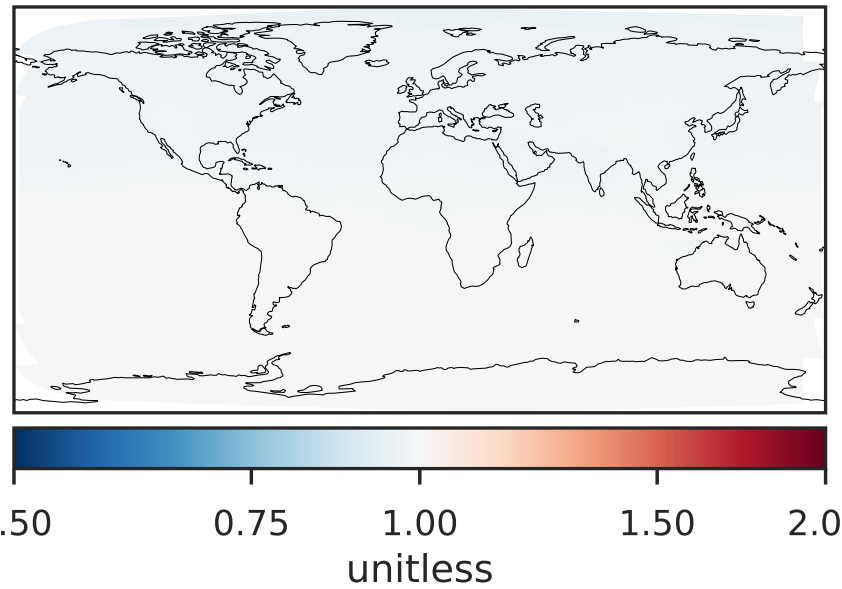
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



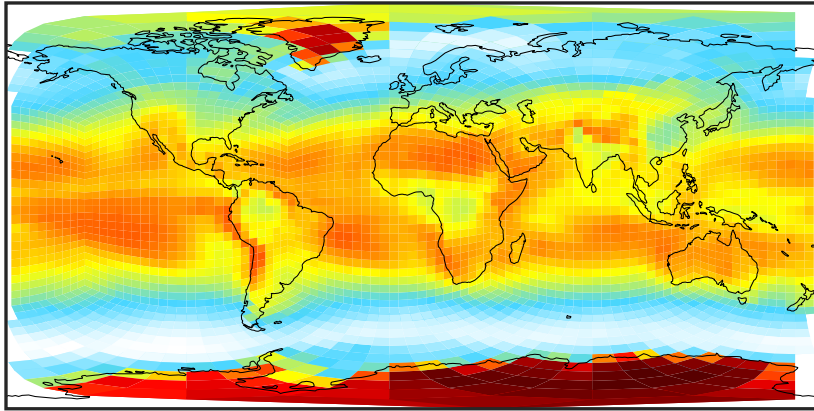
Ratio  
Dev/Ref, Fixed Range





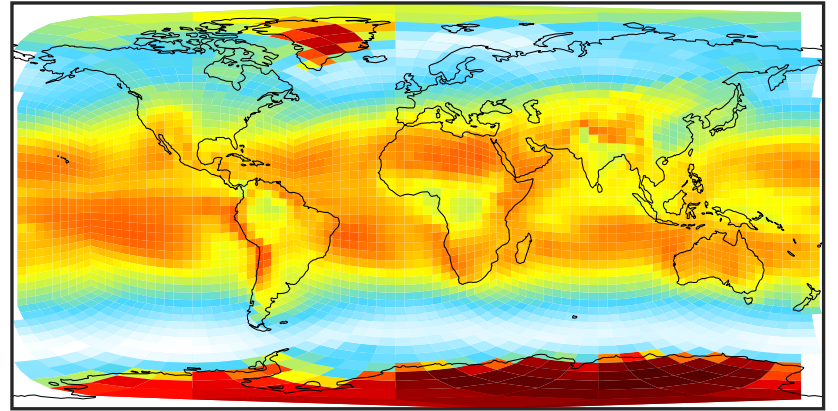
# Jval\_C100 (AnnualMean)

GCHP\_14.0.0 (Ref)  
c24



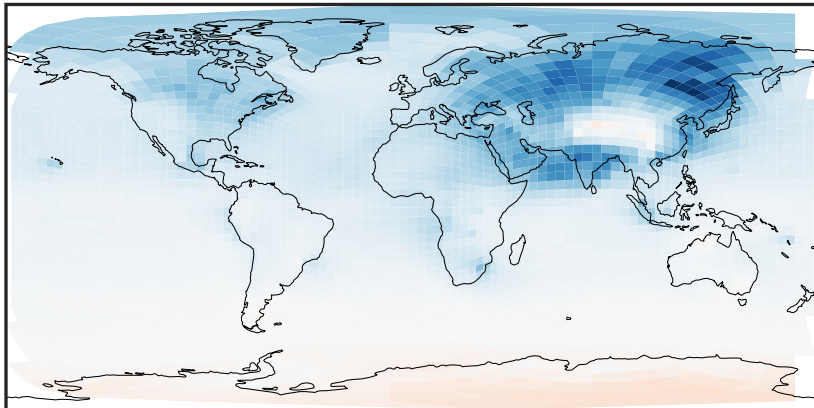
0.05307380.1067 0.1600 0.2871  
s-1

GCHP\_14.2.0 (Dev)  
c24



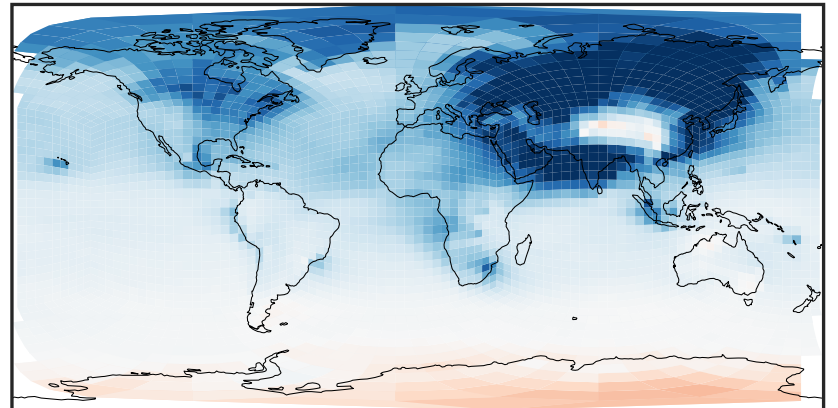
0.05307380.1067 0.1600 0.2871  
s-1

Difference  
Dev - Ref, Dynamic Range



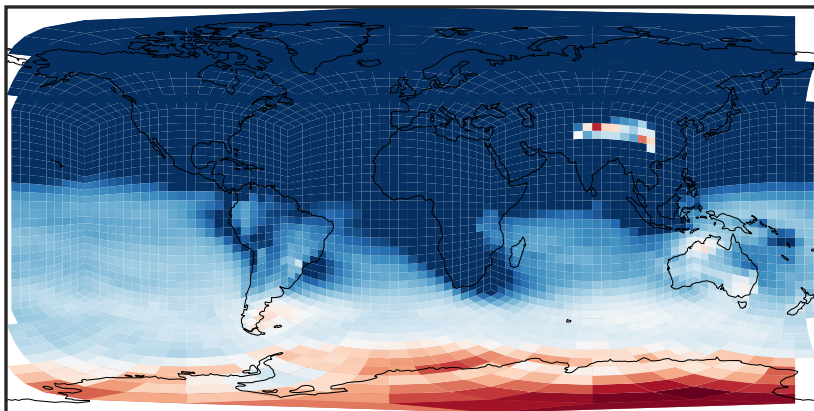
-0.0004 0.0000 0.0004  
s-1

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



-0.0002 0.0000 0.0002  
s-1

Ratio  
Dev/Ref, Dynamic Range



0.9996149 1.000000 1.0003853  
unitless

Ratio  
Dev/Ref, Fixed Range

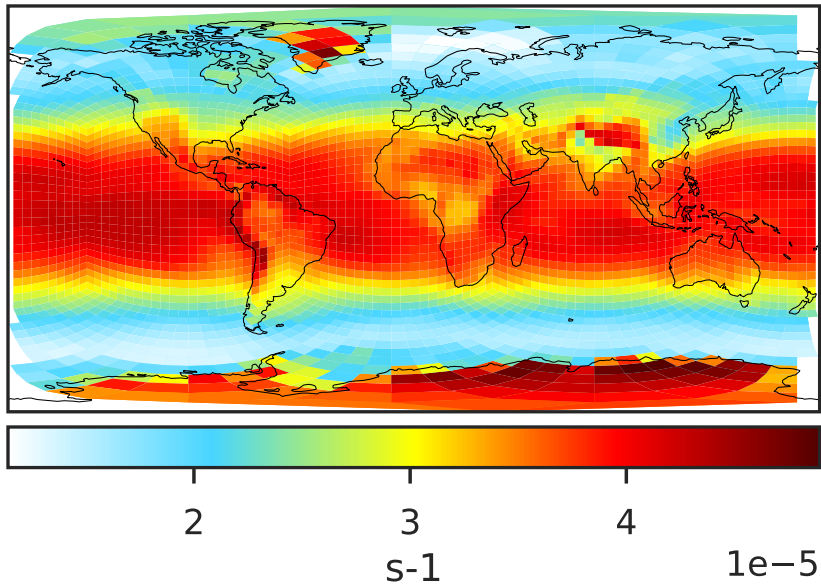


0.50 0.75 1.00 1.50 2.00  
unitless

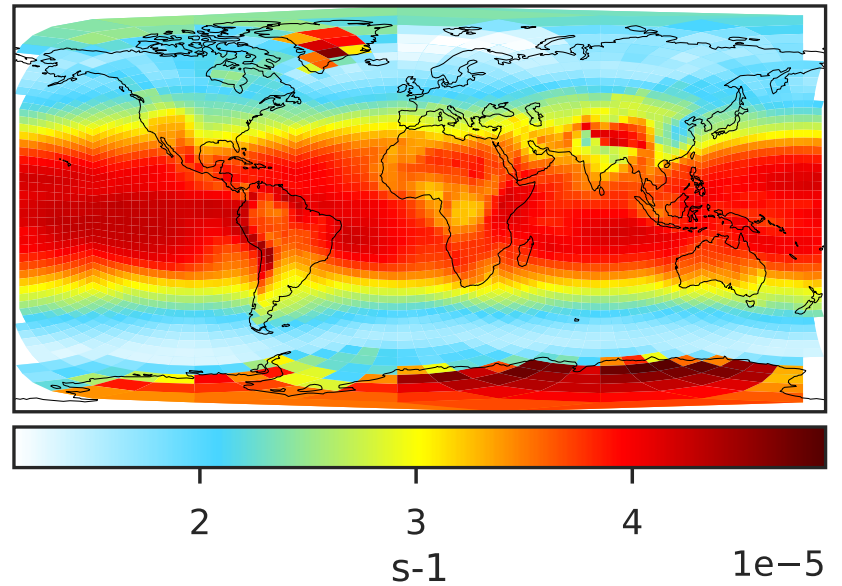


# Jval\_ETHLN (AnnualMean)

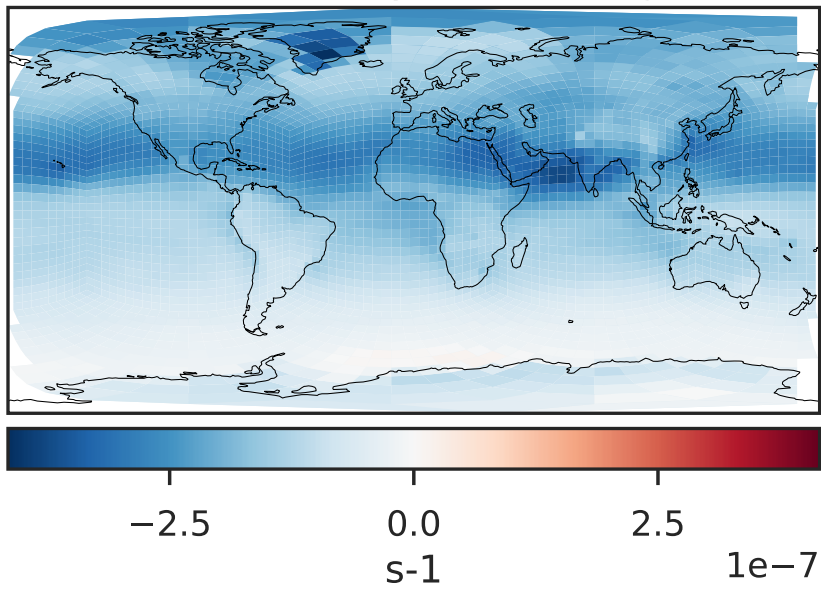
GCHP\_14.0.0 (Ref)  
c24



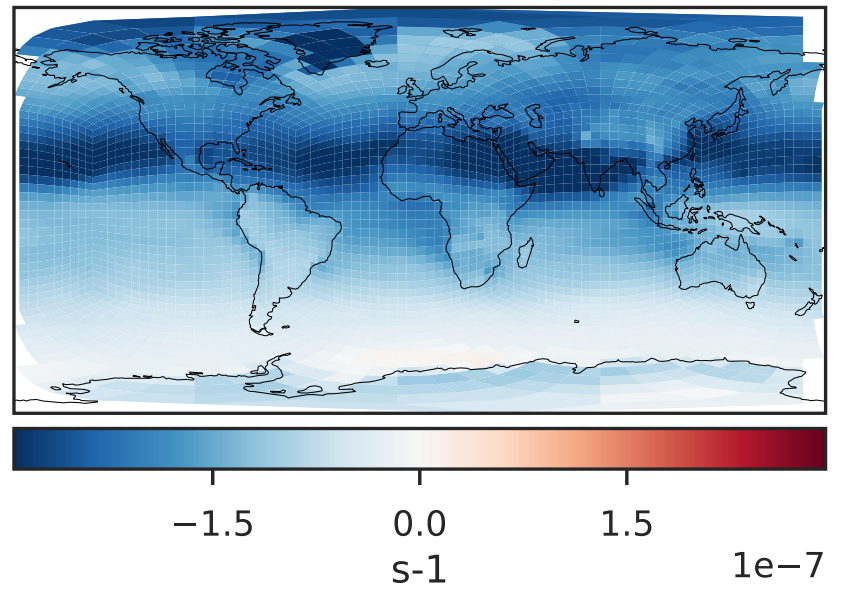
GCHP\_14.2.0 (Dev)  
c24



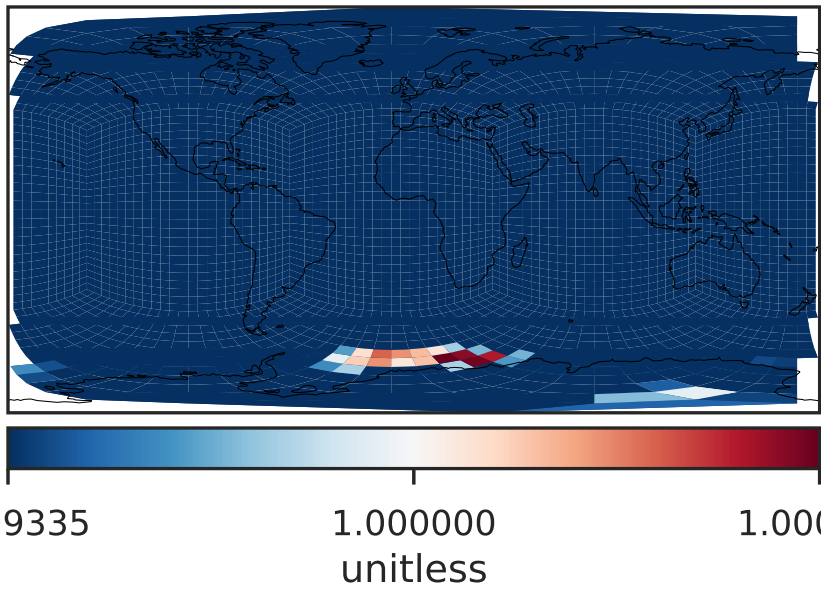
Difference  
Dev - Ref, Dynamic Range



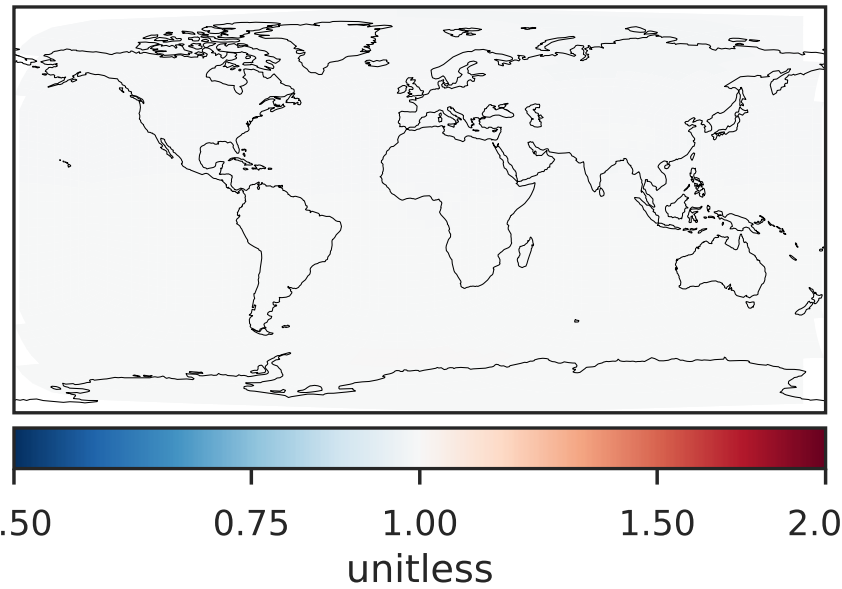
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

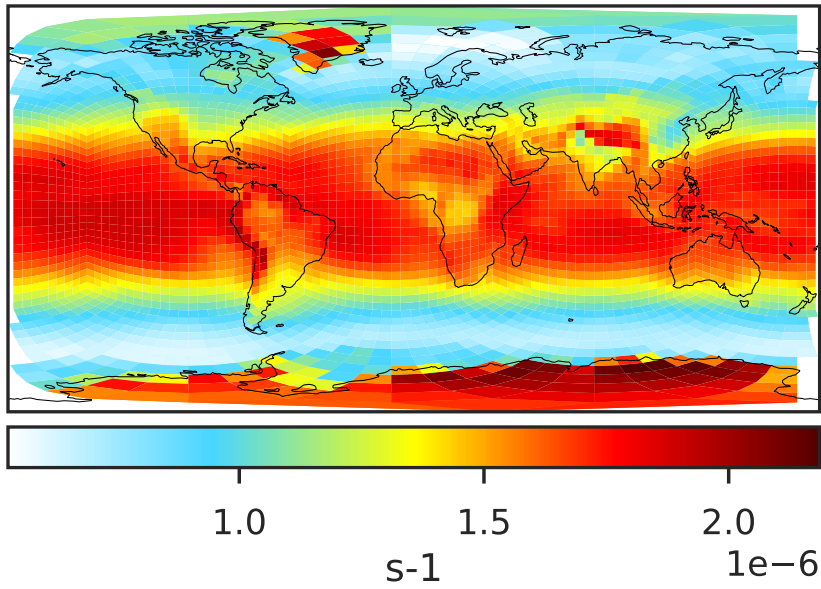


Ratio  
Dev/Ref, Fixed Range

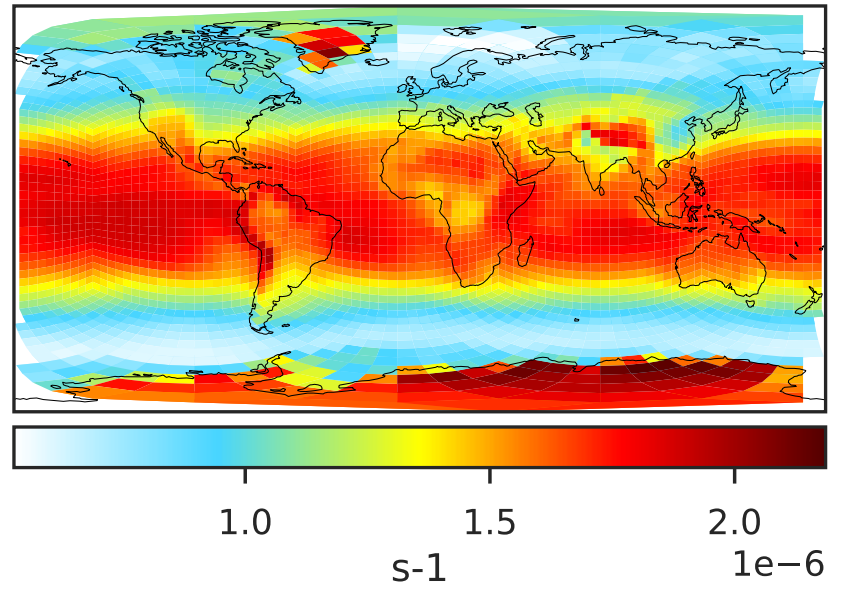


# Jval\_ETHP (AnnualMean)

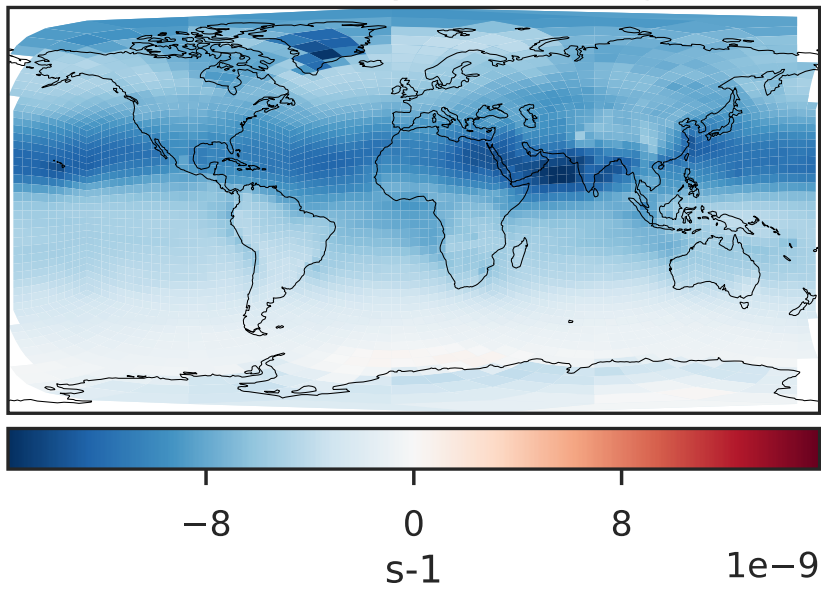
GCHP\_14.0.0 (Ref)  
c24



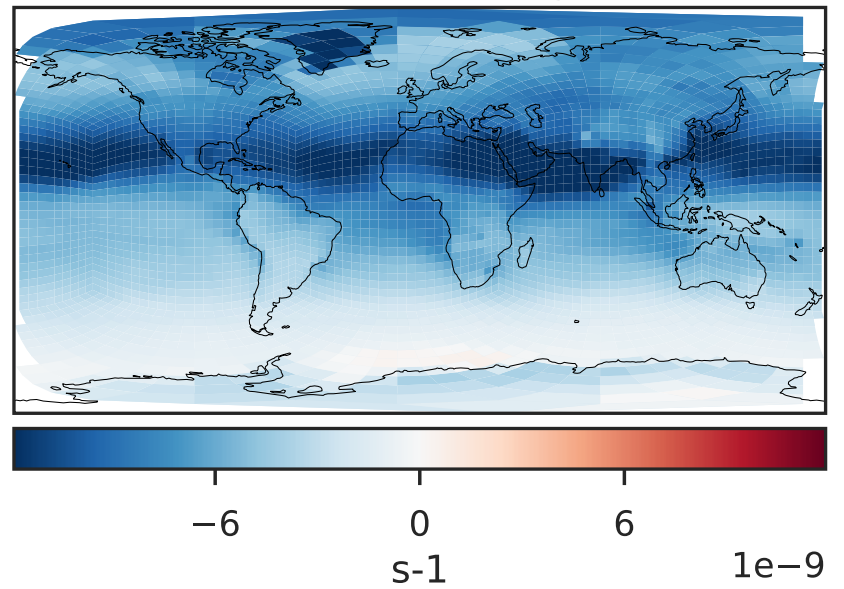
GCHP\_14.2.0 (Dev)  
c24



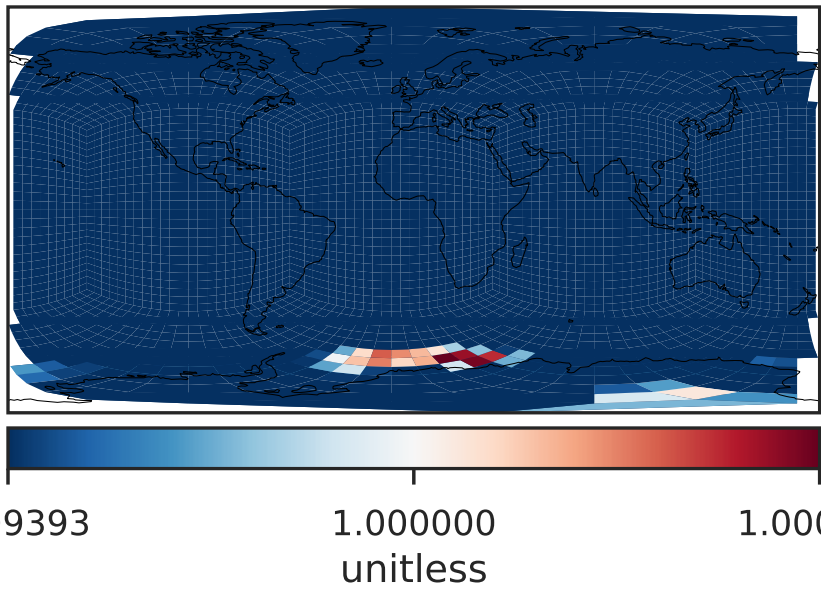
Difference  
Dev - Ref, Dynamic Range



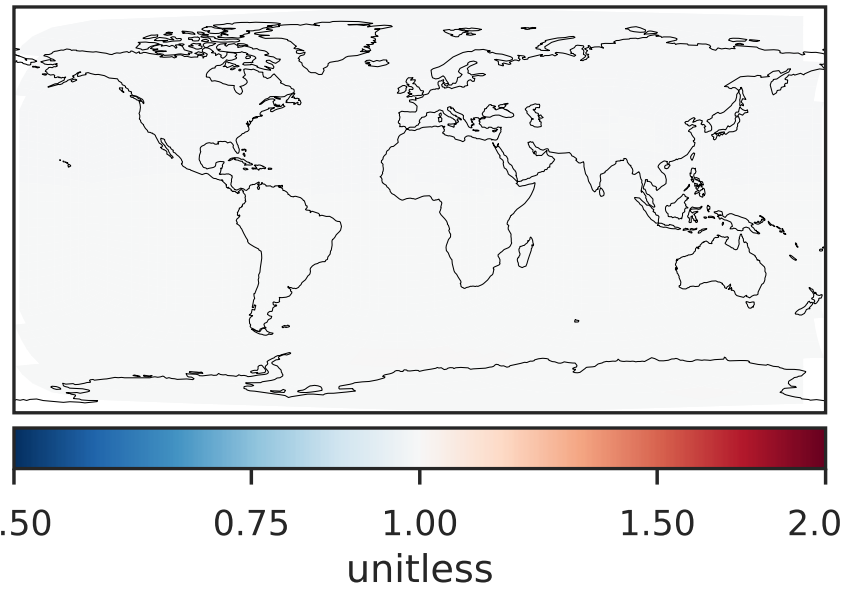
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



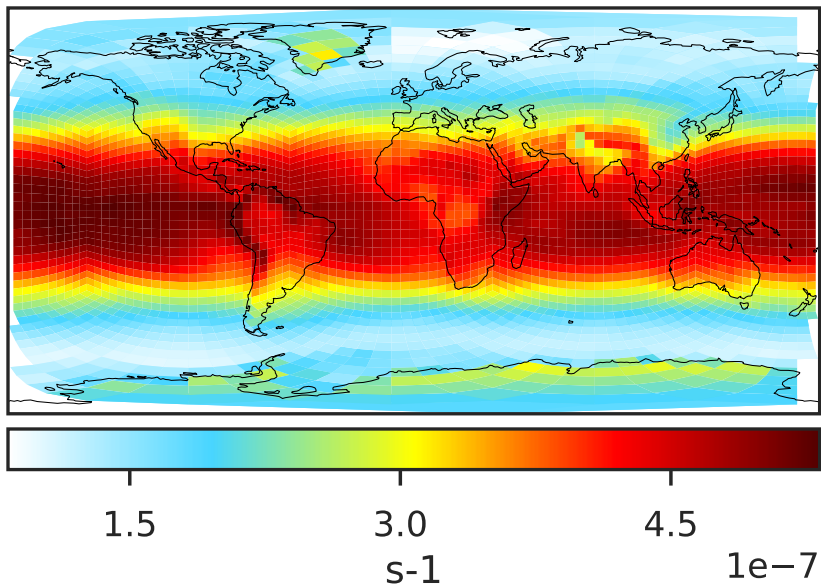
Ratio  
Dev/Ref, Fixed Range



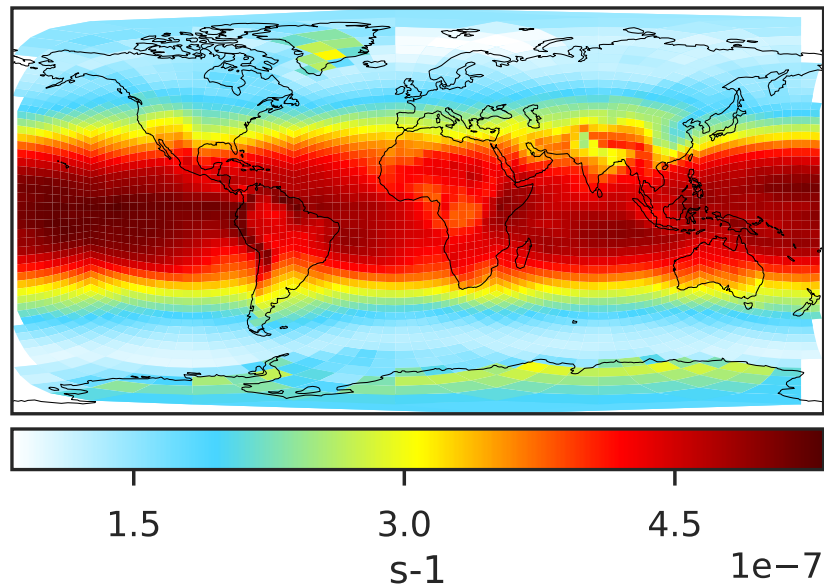


# Jval\_ETNO3 (AnnualMean)

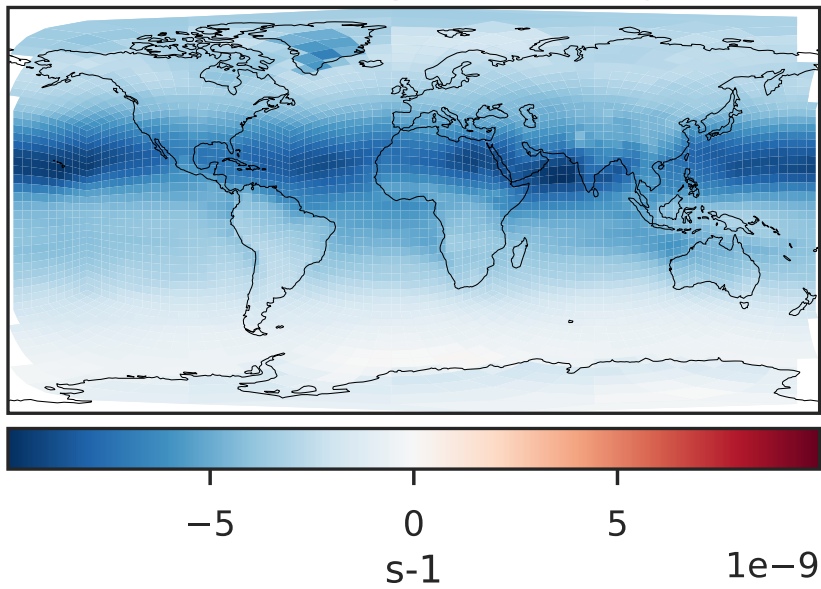
GCHP\_14.0.0 (Ref)  
c24



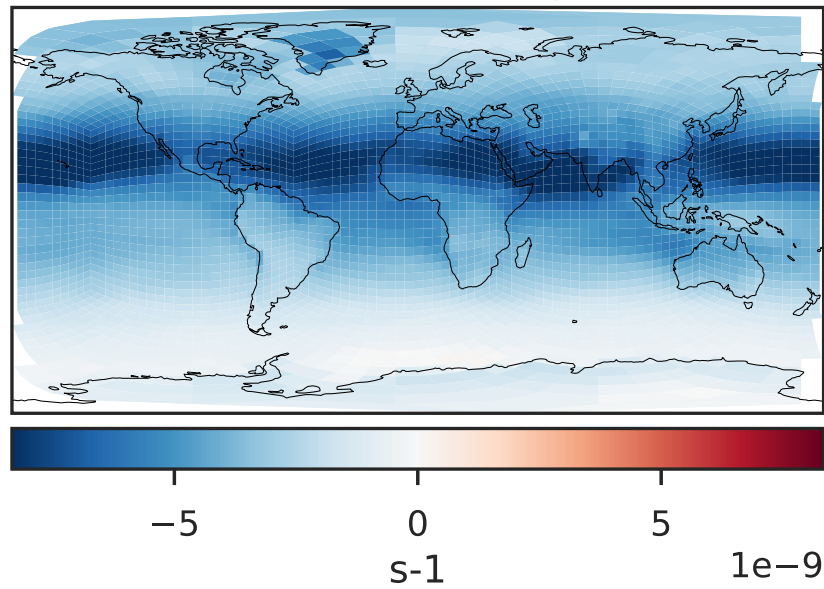
GCHP\_14.2.0 (Dev)  
c24



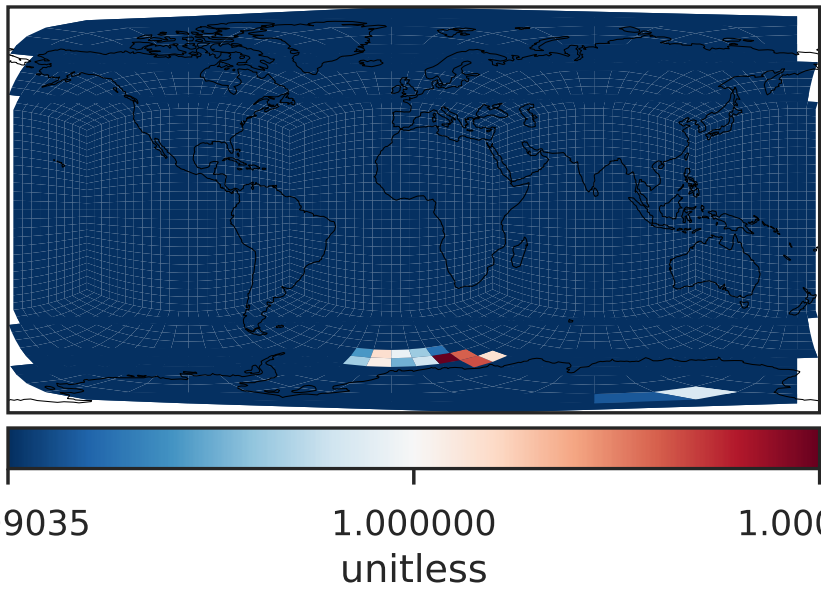
Difference  
Dev - Ref, Dynamic Range



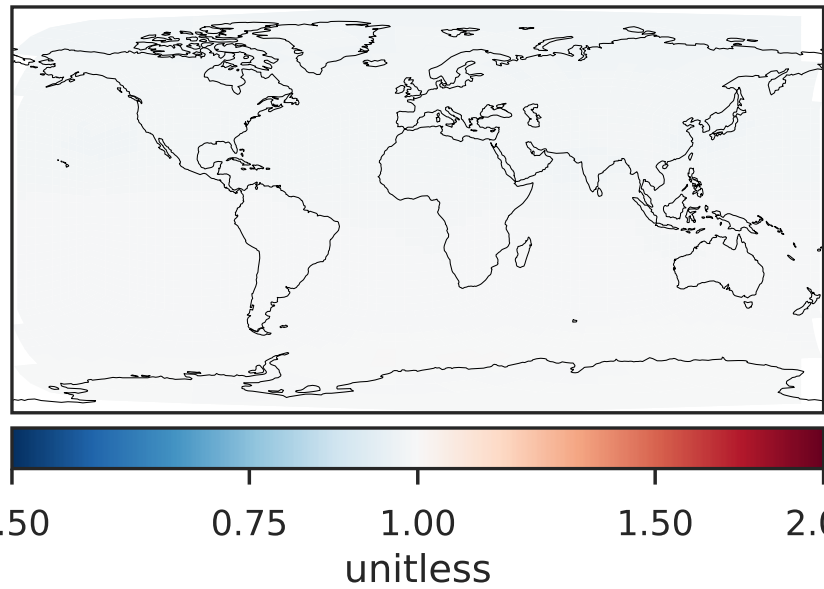
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



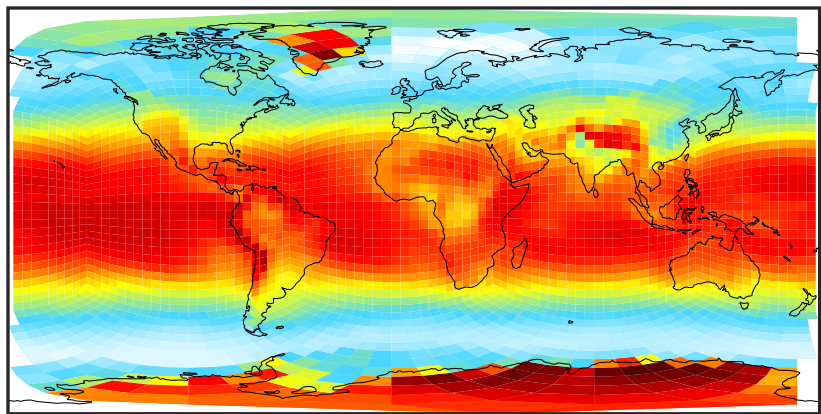
Ratio  
Dev/Ref, Fixed Range





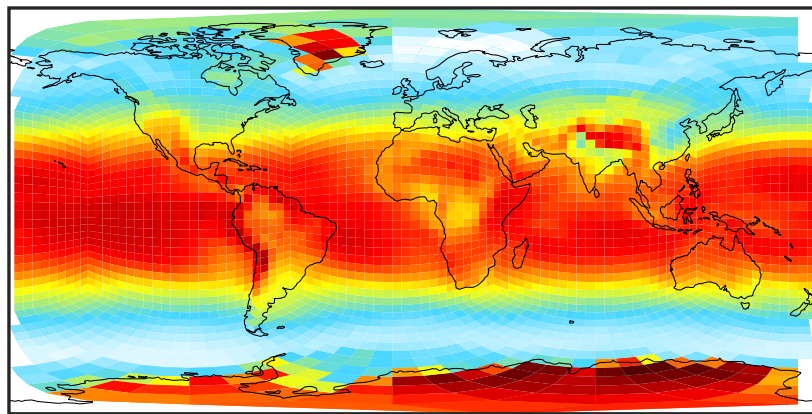
# Jval\_ETP (AnnualMean)

GCHP\_14.0.0 (Ref)  
c24



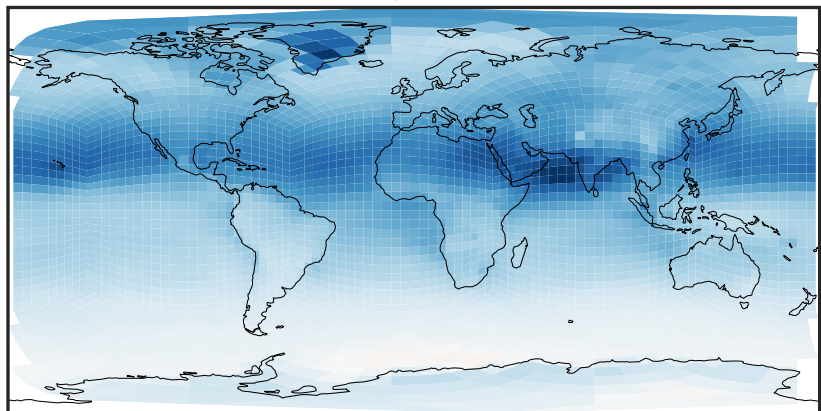
0.50 0.75 1.00  
s-1  $1e-6$

GCHP\_14.2.0 (Dev)  
c24



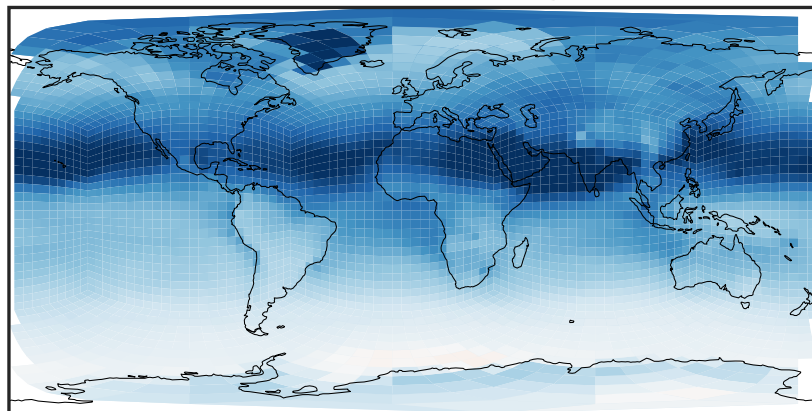
0.50 0.75 1.00  
s-1  $1e-6$

Difference  
Dev - Ref, Dynamic Range



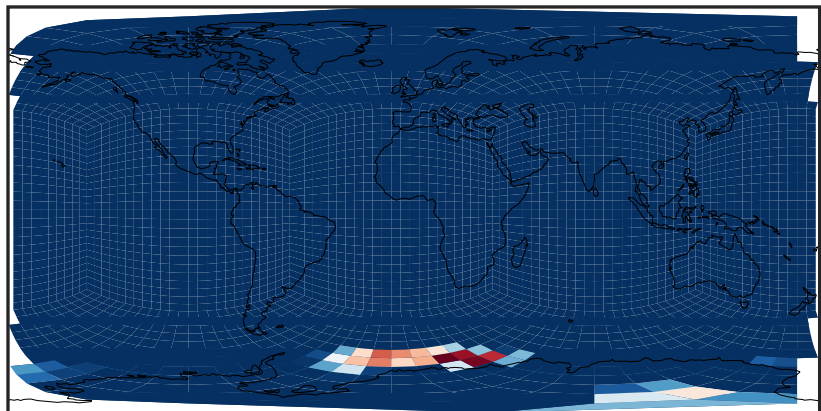
-4 0 4  
s-1  $1e-9$

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



-3 0 3  
s-1  $1e-9$

Ratio  
Dev/Ref, Dynamic Range



0.999393 1.000000 1.000607  
unitless

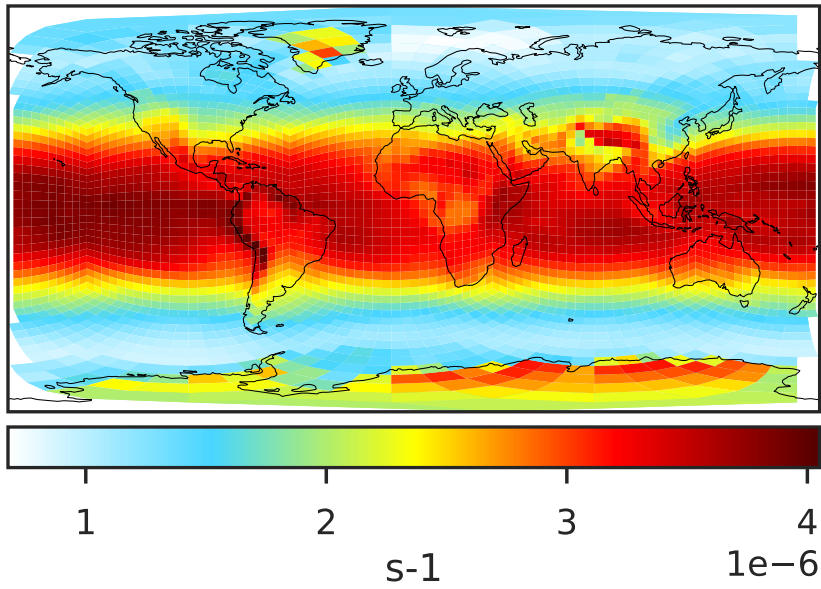
Ratio  
Dev/Ref, Fixed Range



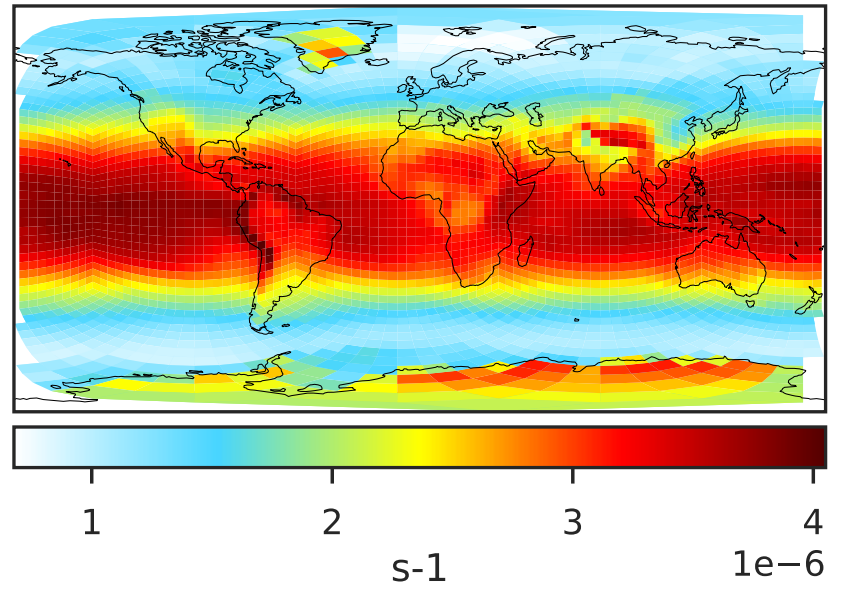
0.50 0.75 1.00 1.50 2.00  
unitless

# Jval\_GLYC (AnnualMean)

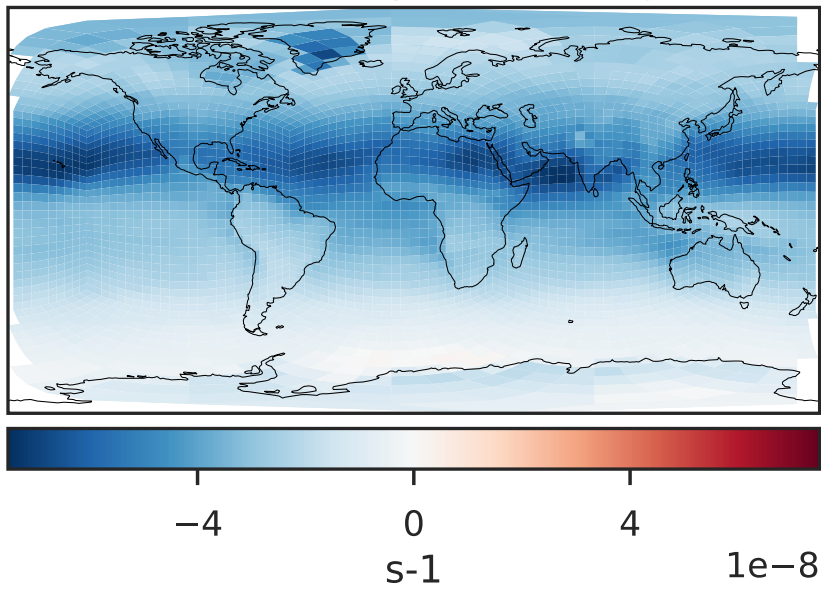
GCHP\_14.0.0 (Ref)  
c24



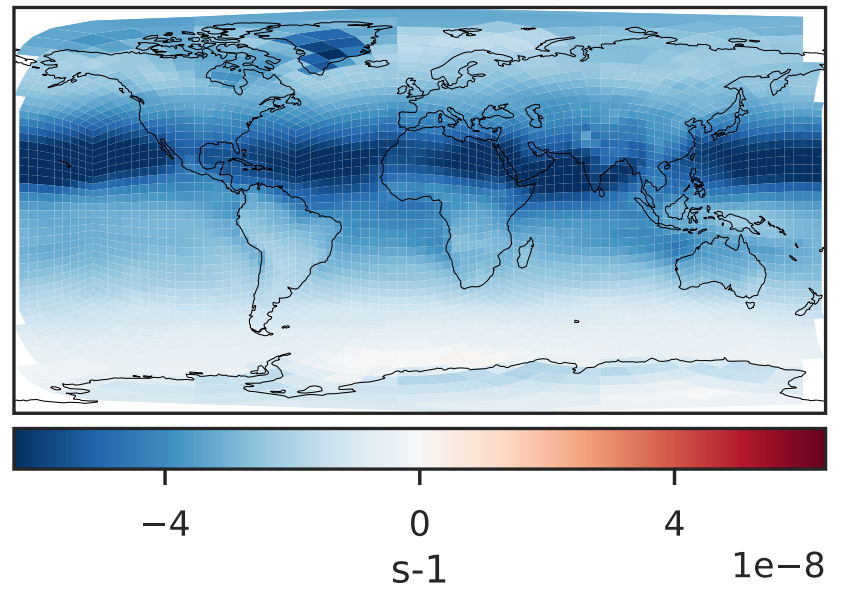
GCHP\_14.2.0 (Dev)  
c24



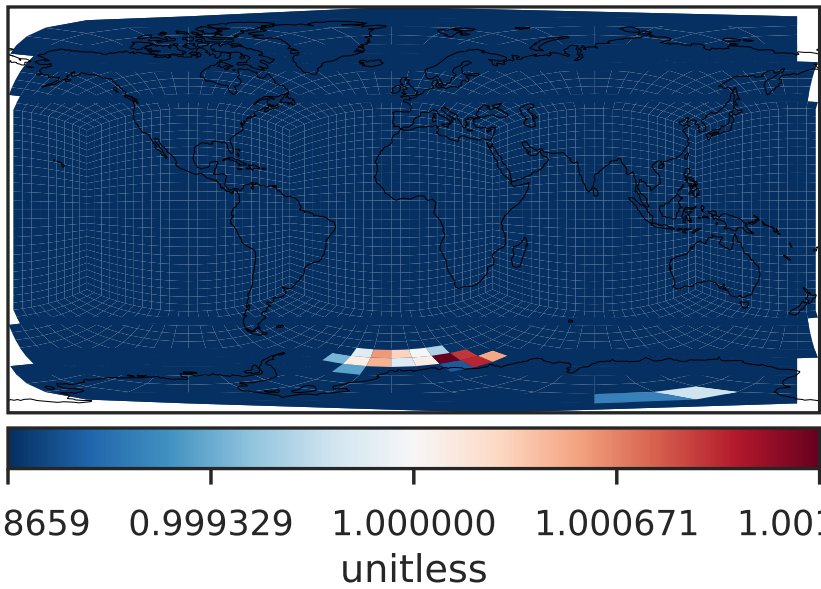
Difference  
Dev - Ref, Dynamic Range



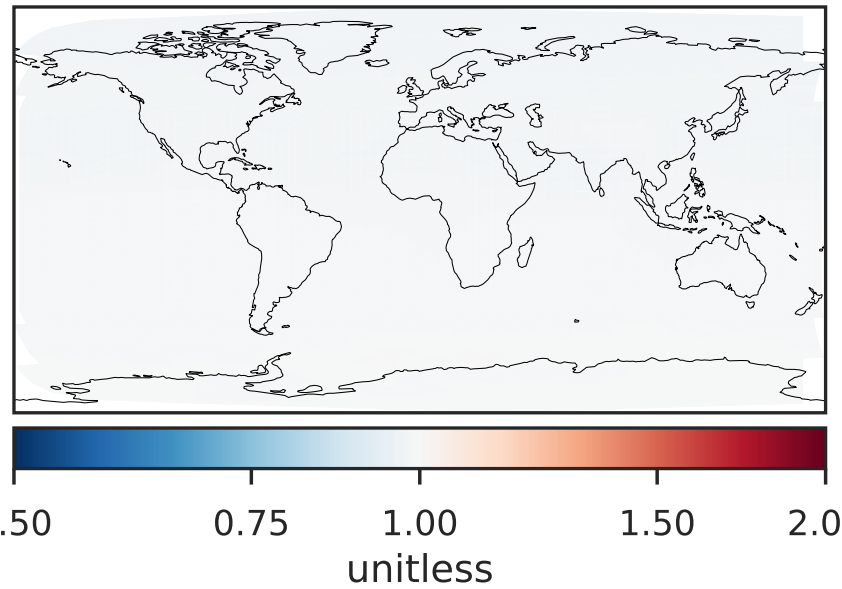
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



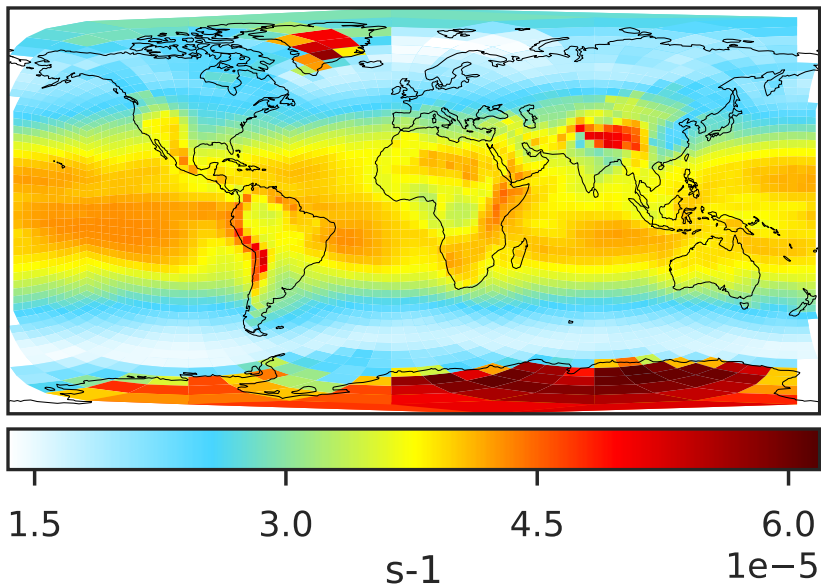
Ratio  
Dev/Ref, Fixed Range



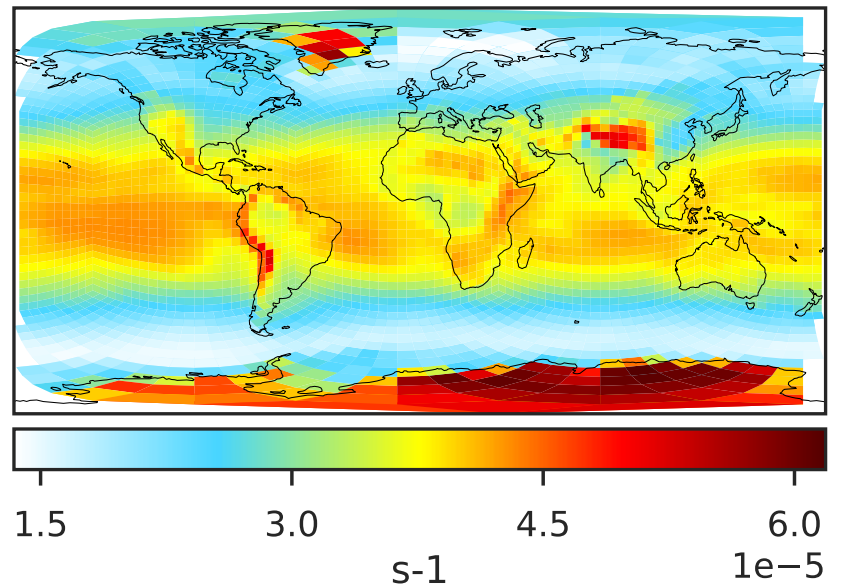


# Jval\_GLYX (AnnualMean)

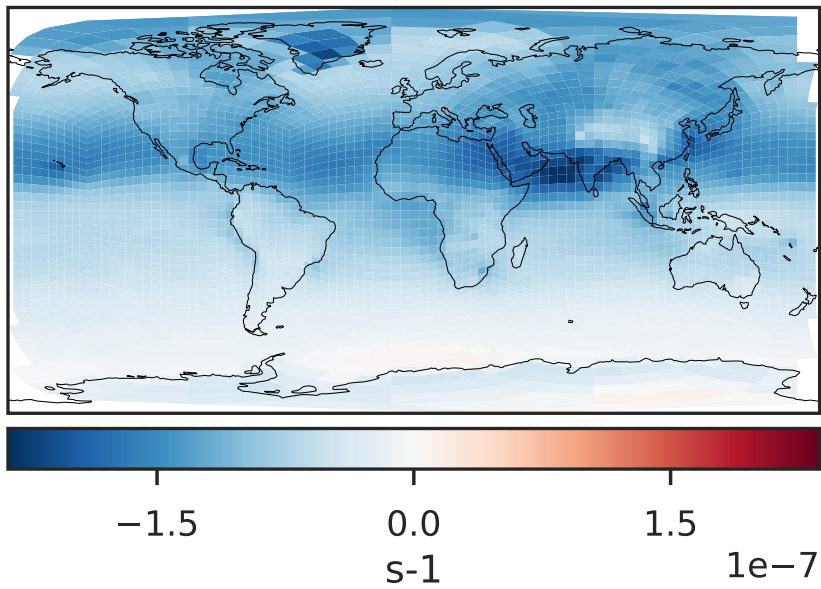
GCHP\_14.0.0 (Ref)  
c24



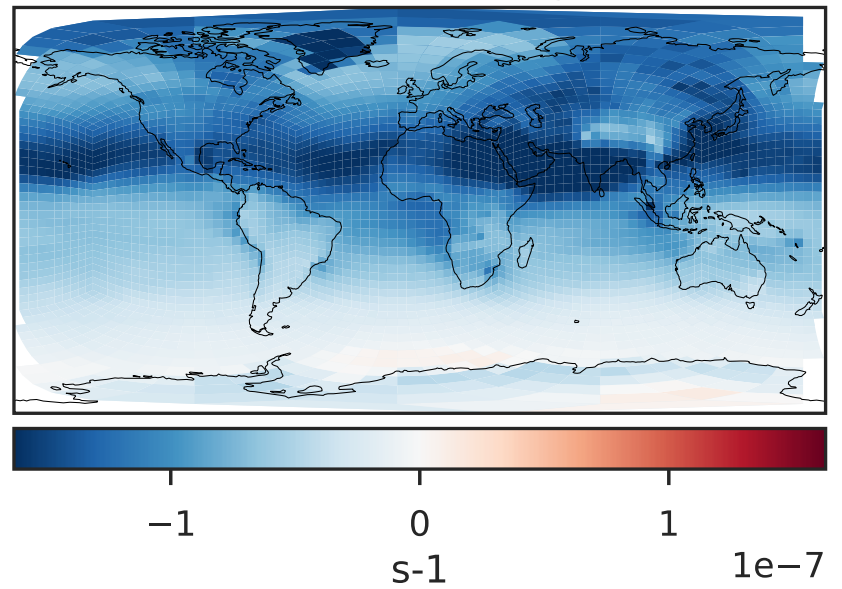
GCHP\_14.2.0 (Dev)  
c24



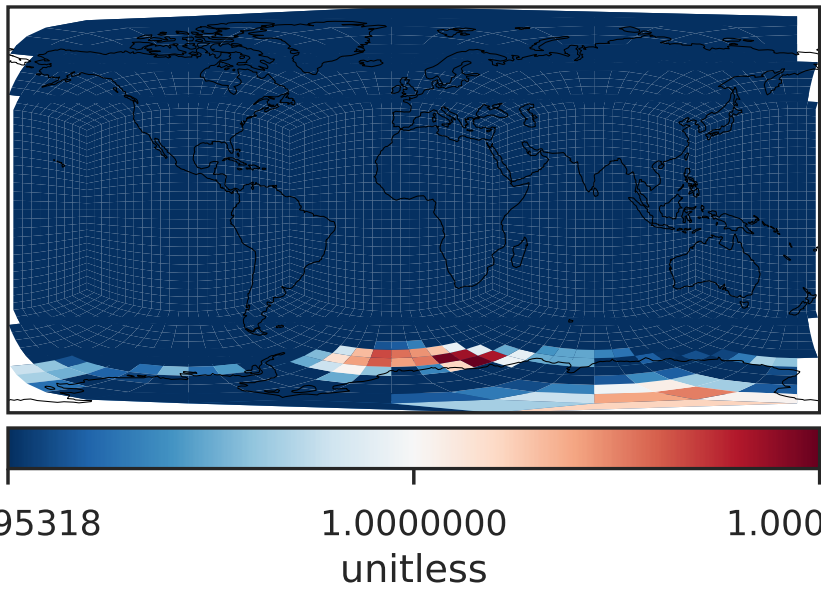
Difference  
Dev - Ref, Dynamic Range



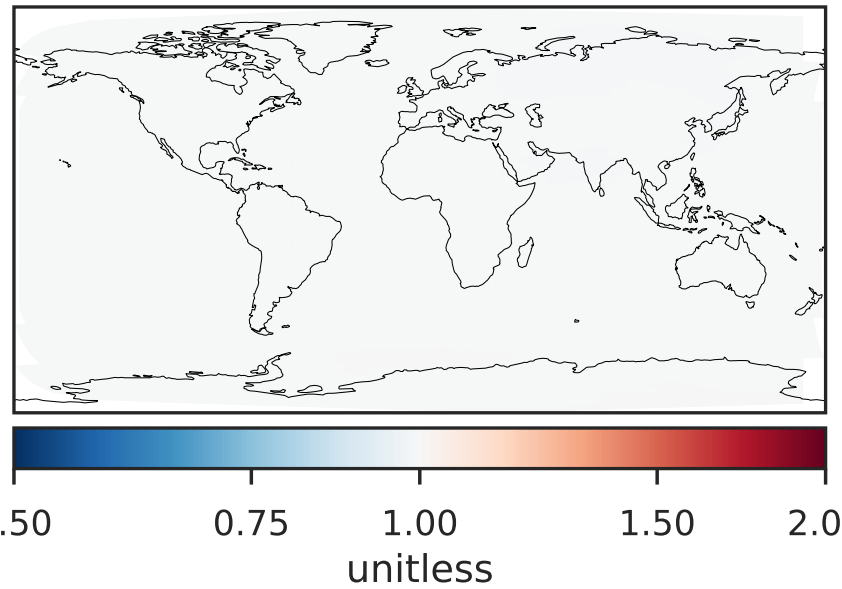
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



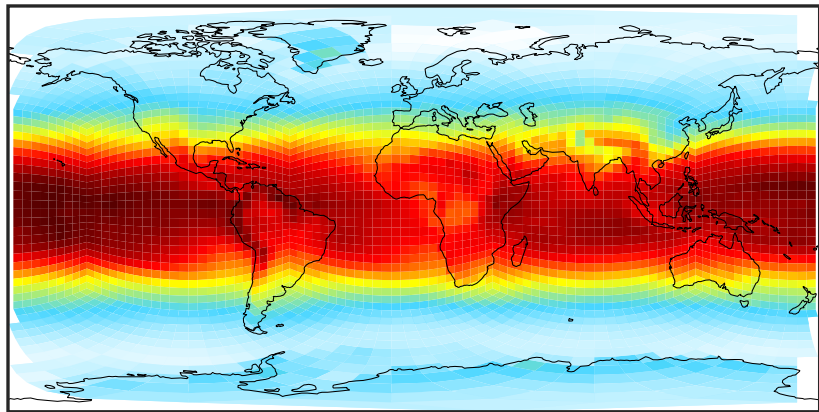
Ratio  
Dev/Ref, Fixed Range





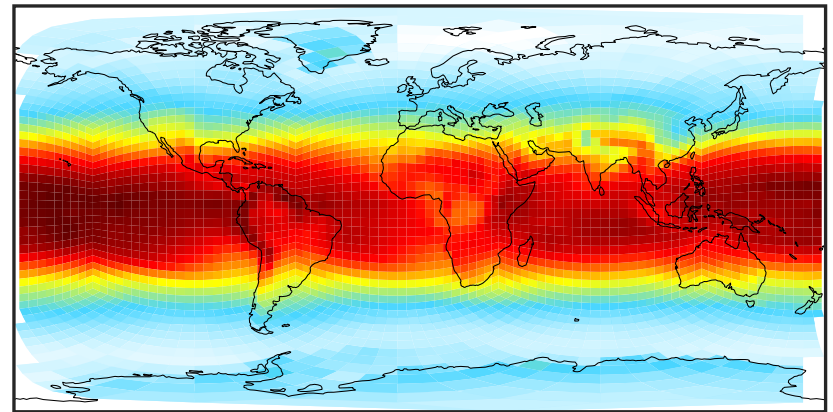
# Jval\_H1211 (AnnualMean)

GCHP\_14.0.0 (Ref)  
c24



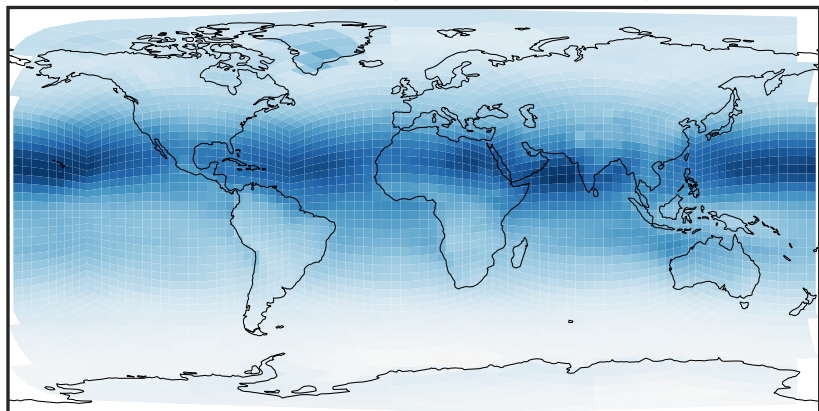
0.5 1.0 1.5  
s-1  $1e-9$

GCHP\_14.2.0 (Dev)  
c24



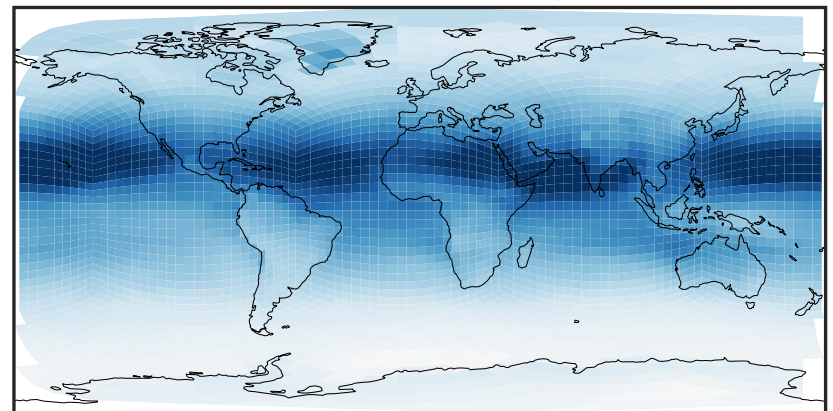
0.5 1.0 1.5  
s-1  $1e-9$

Difference  
Dev - Ref, Dynamic Range



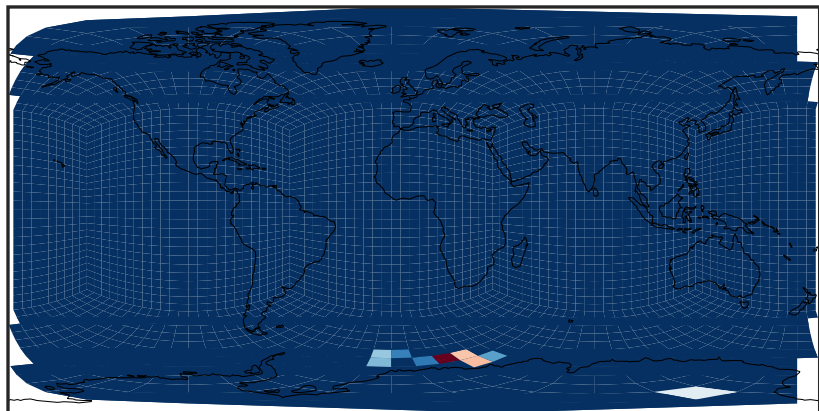
-3 0 3  
s-1  $1e-11$

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



-2.5 0.0 2.5  
s-1  $1e-11$

Ratio  
Dev/Ref, Dynamic Range



0.998847 0.999424 1.000000 1.000577 1.001154  
unitless

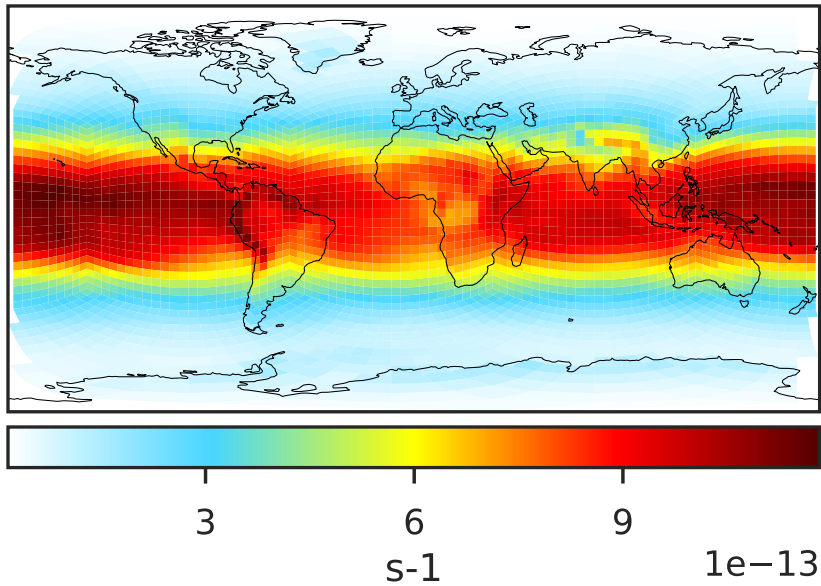
Ratio  
Dev/Ref, Fixed Range



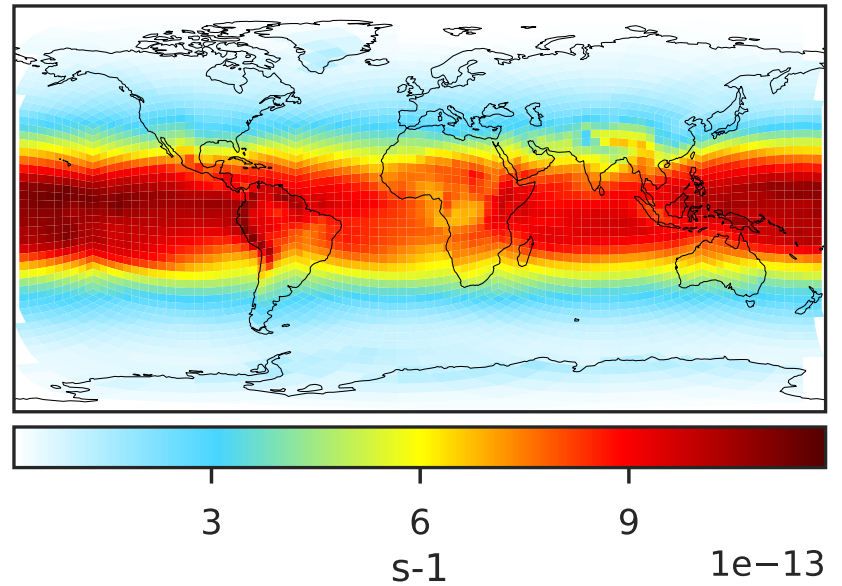
0.50 0.75 1.00 1.50 2.00  
unitless

# Jval\_H1301 (AnnualMean)

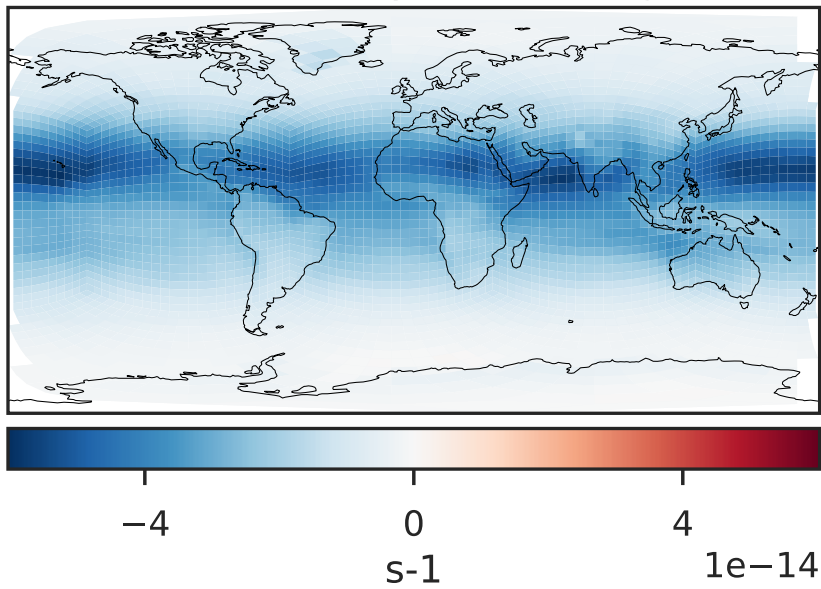
GCHP\_14.0.0 (Ref)  
c24



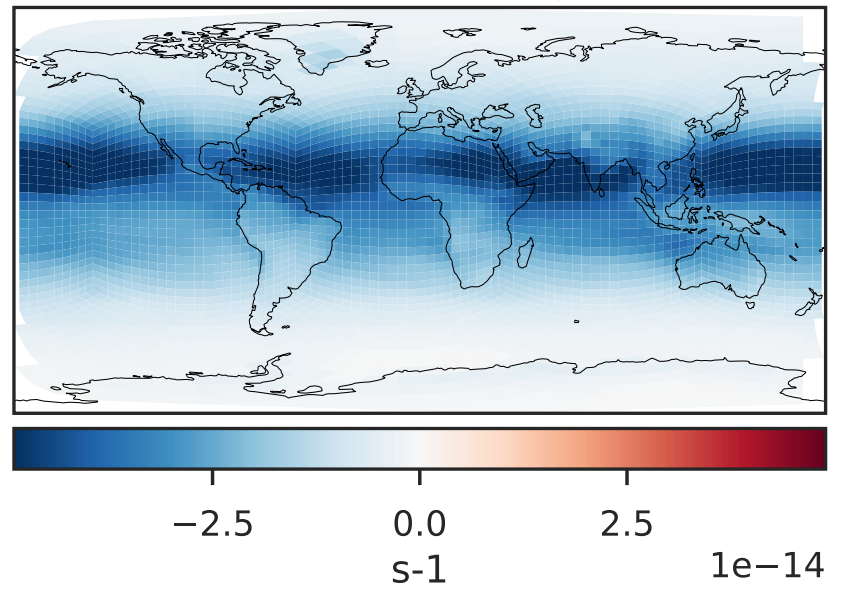
GCHP\_14.2.0 (Dev)  
c24



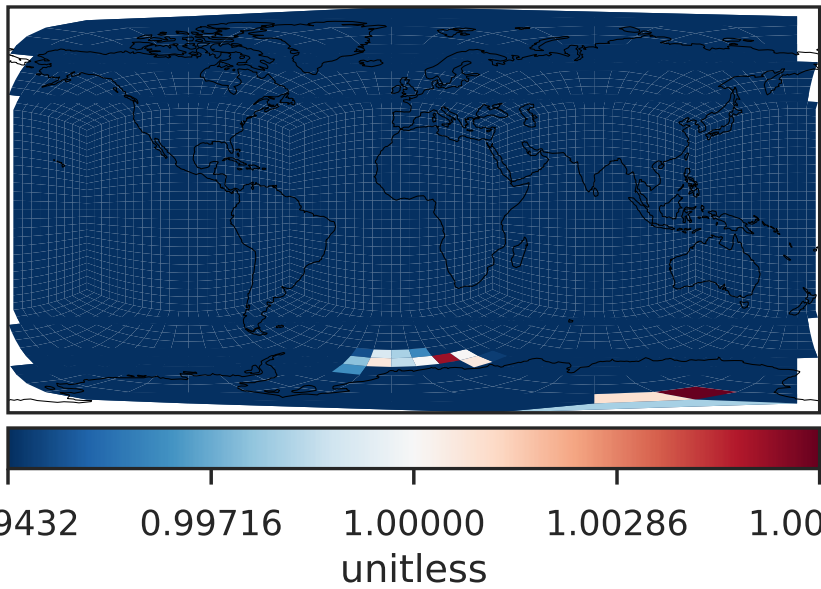
Difference  
Dev - Ref, Dynamic Range



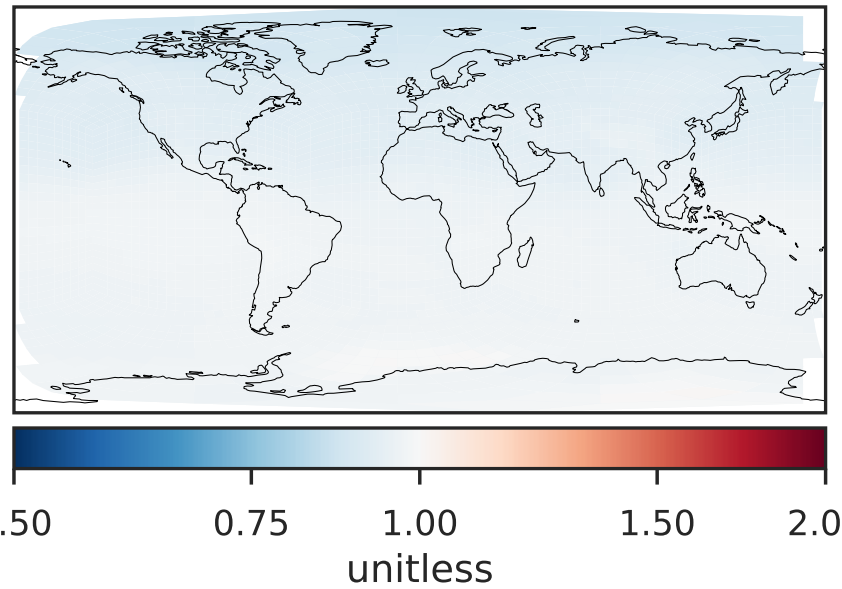
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



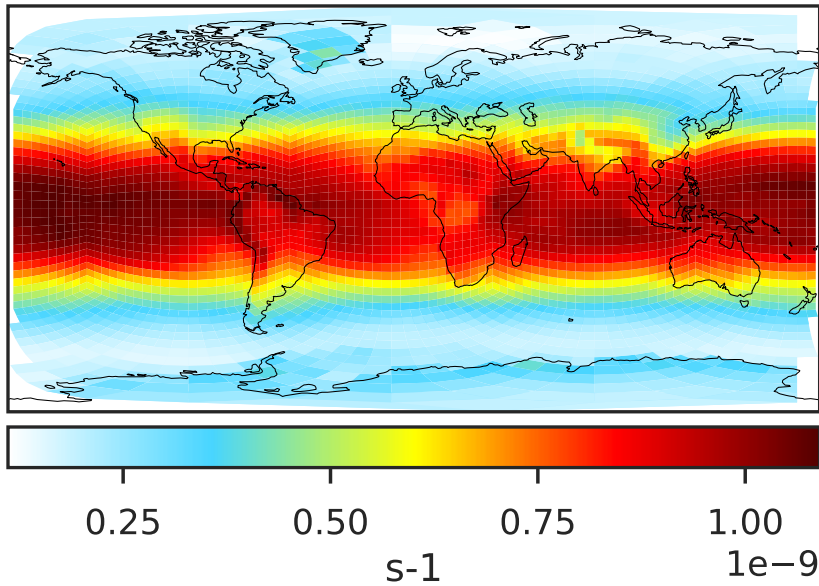
Ratio  
Dev/Ref, Fixed Range



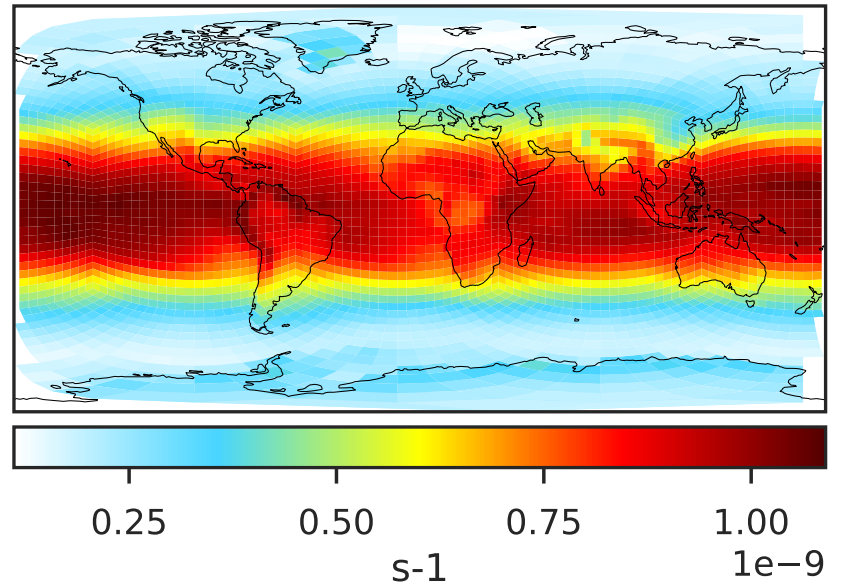


# Jval\_H2402 (AnnualMean)

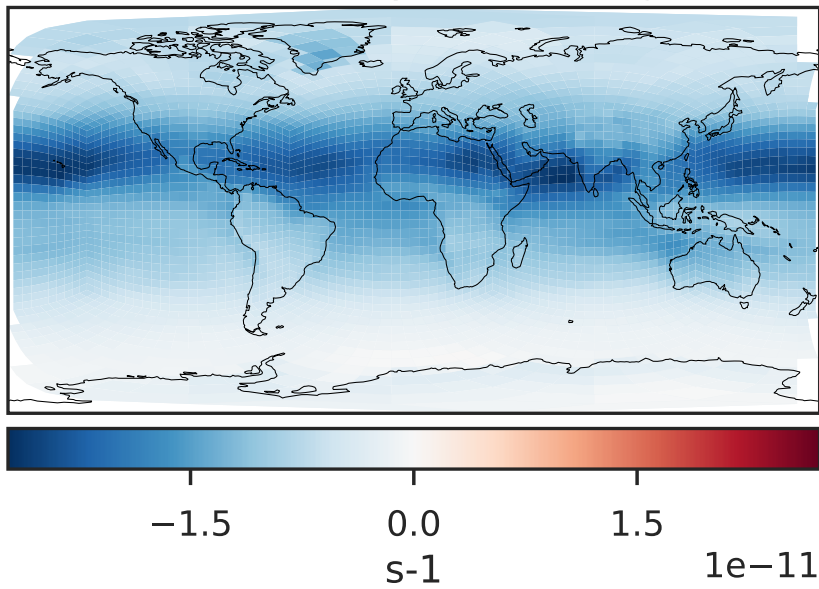
GCHP\_14.0.0 (Ref)  
c24



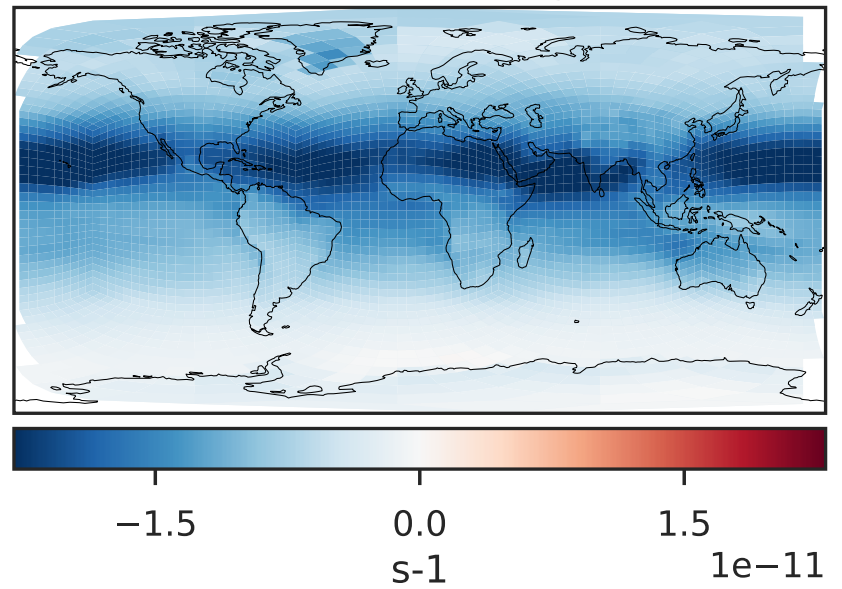
GCHP\_14.2.0 (Dev)  
c24



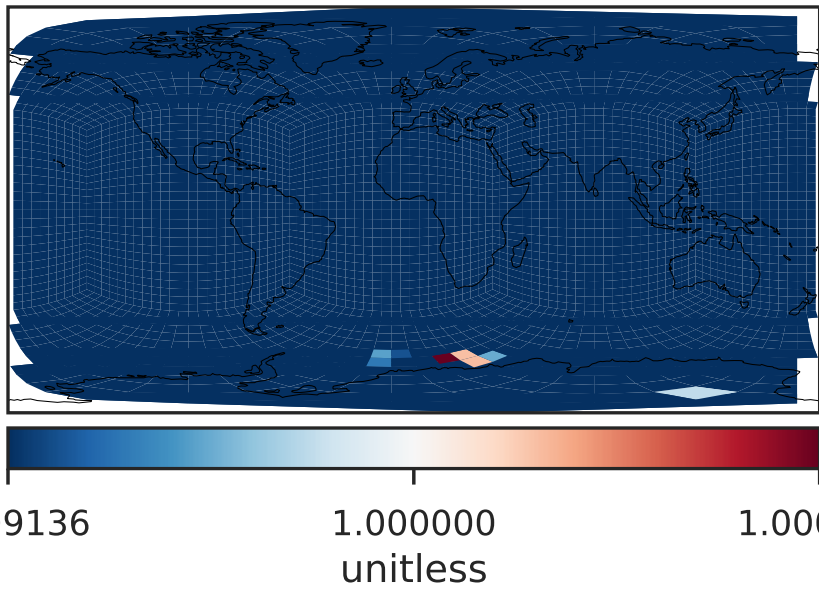
Difference  
Dev - Ref, Dynamic Range



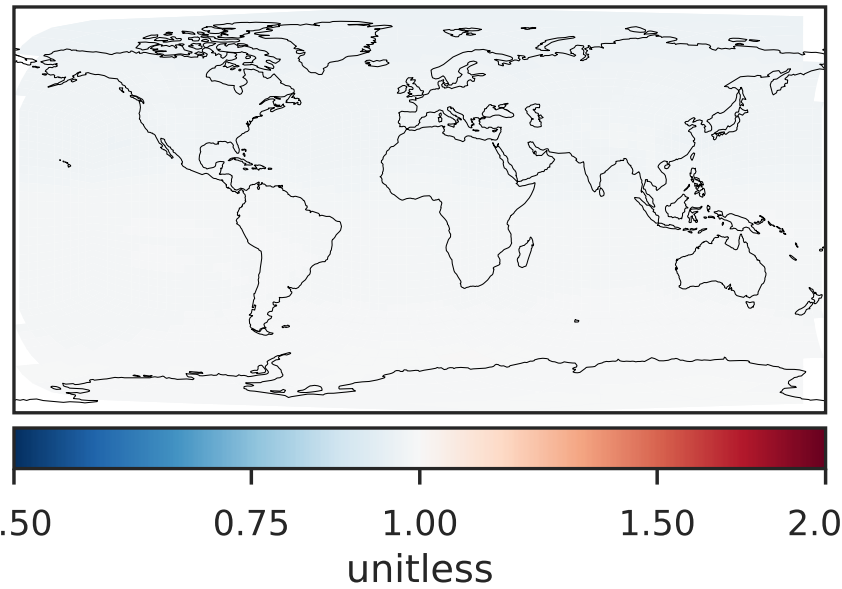
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



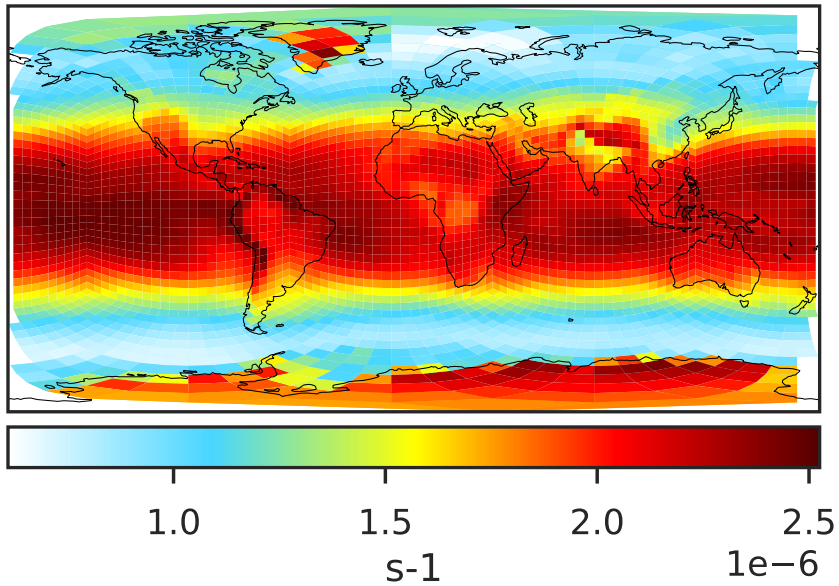
Ratio  
Dev/Ref, Fixed Range



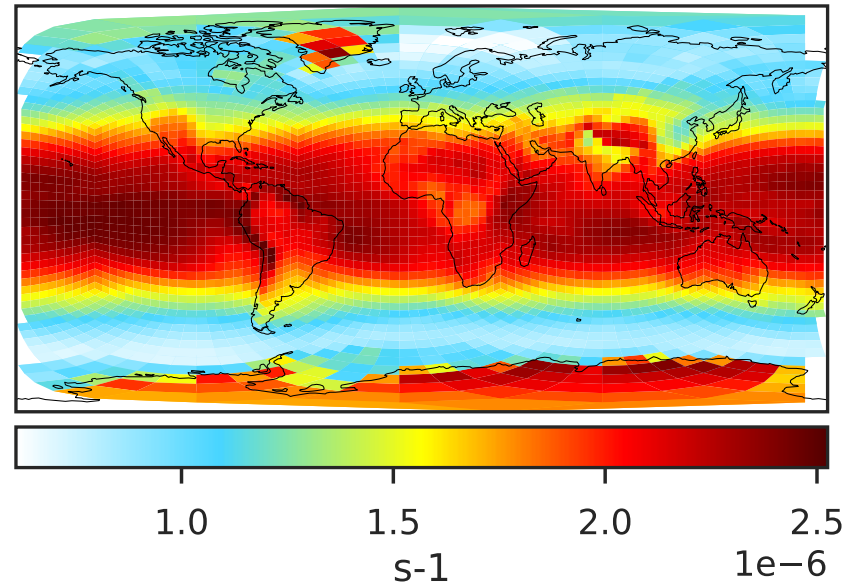


# Jval\_H2O2 (AnnualMean)

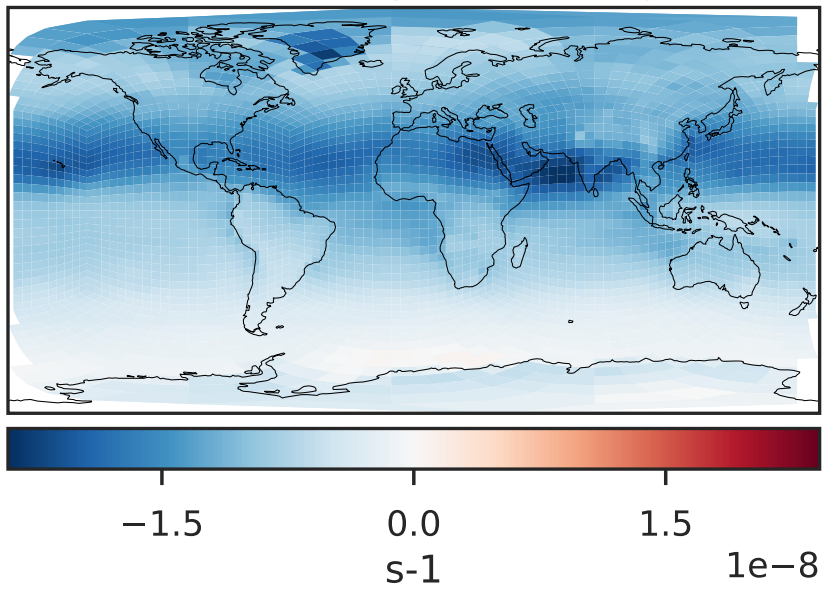
GCHP\_14.0.0 (Ref)  
c24



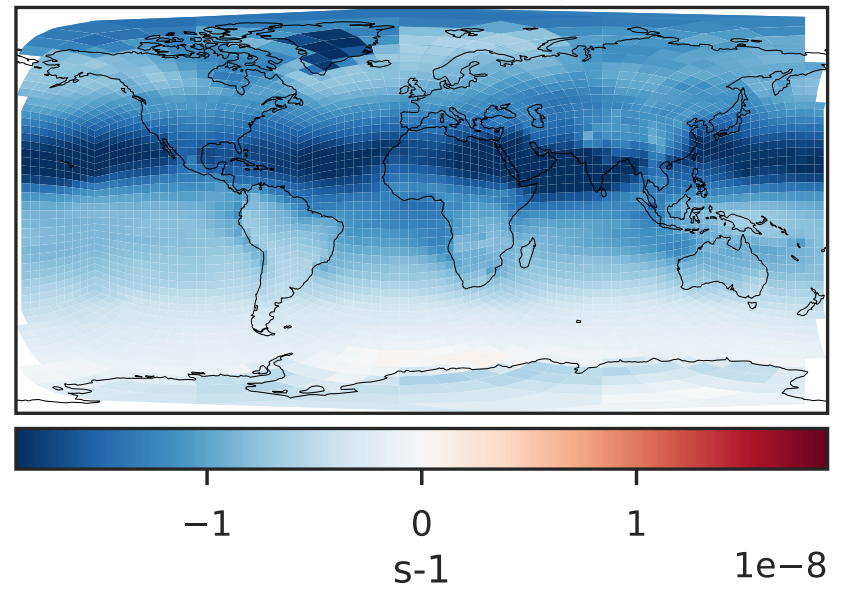
GCHP\_14.2.0 (Dev)  
c24



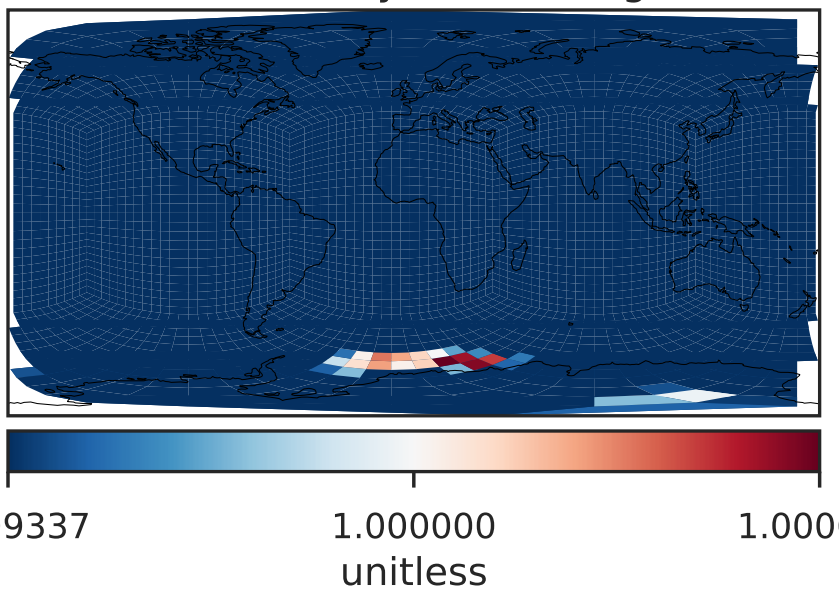
Difference  
Dev - Ref, Dynamic Range



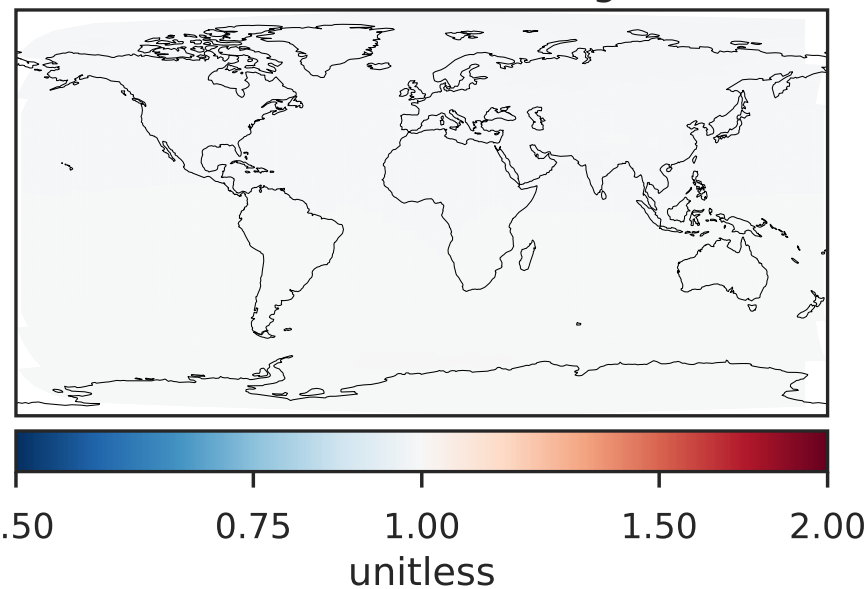
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

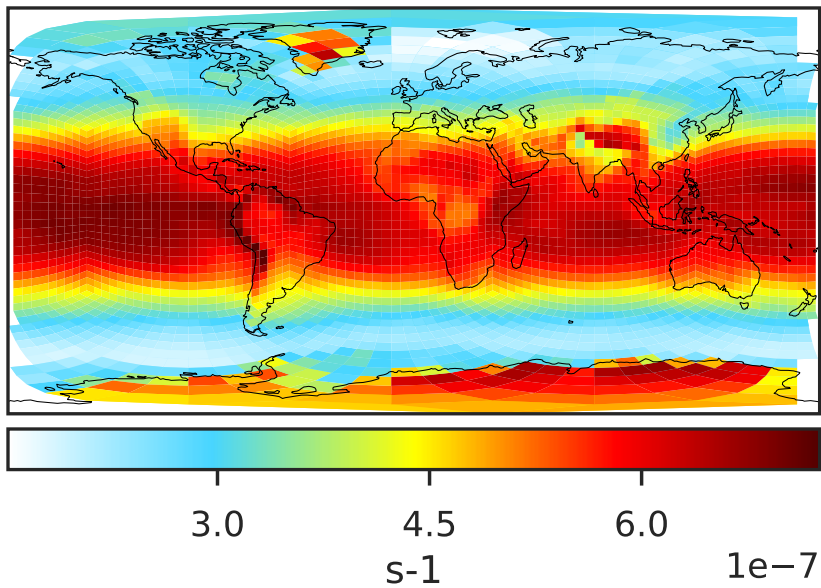


Ratio  
Dev/Ref, Fixed Range

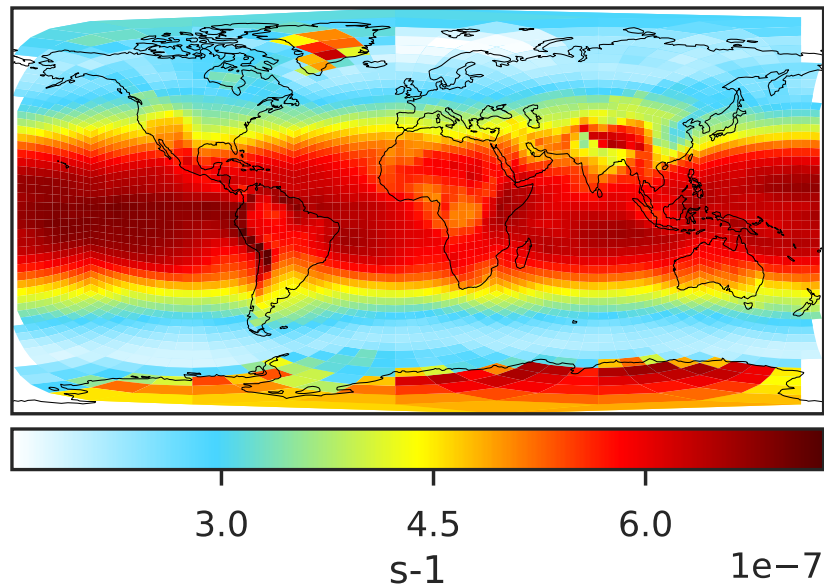


# Jval\_HAC (AnnualMean)

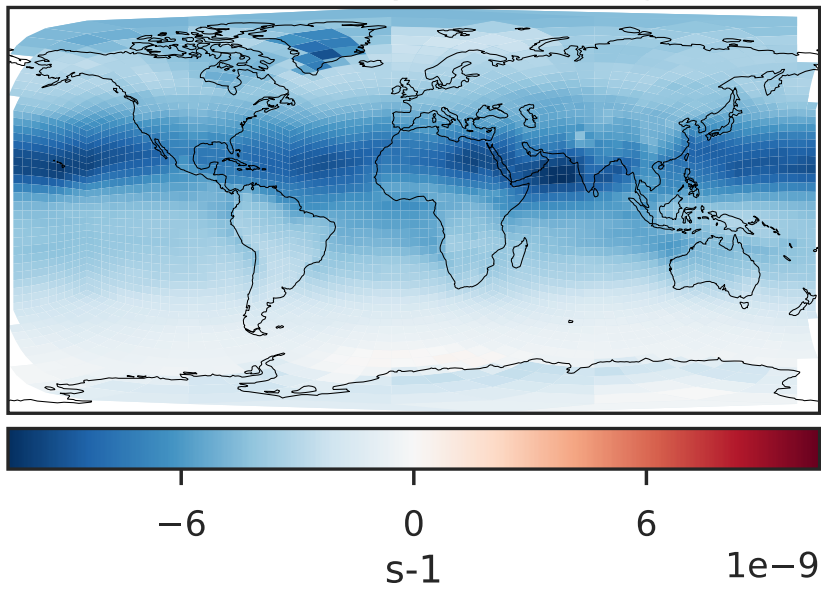
GCHP\_14.0.0 (Ref)  
c24



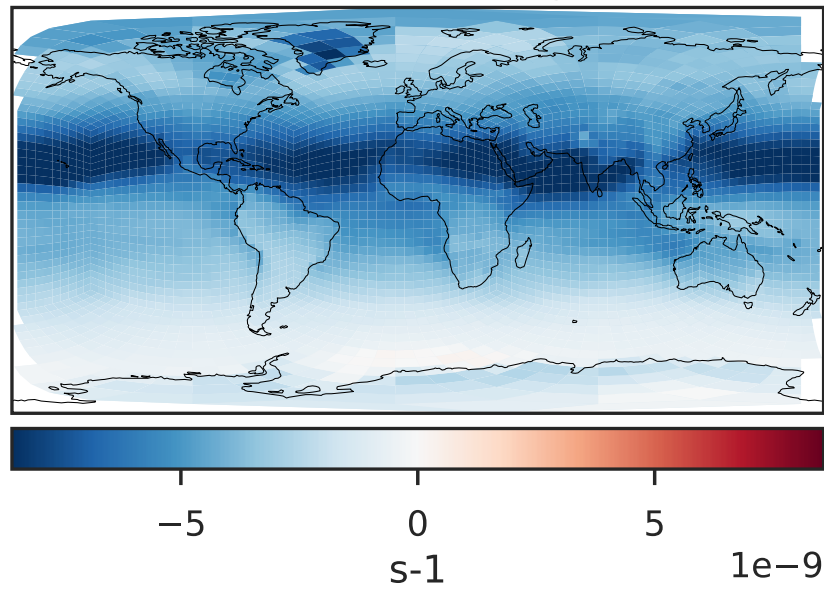
GCHP\_14.2.0 (Dev)  
c24



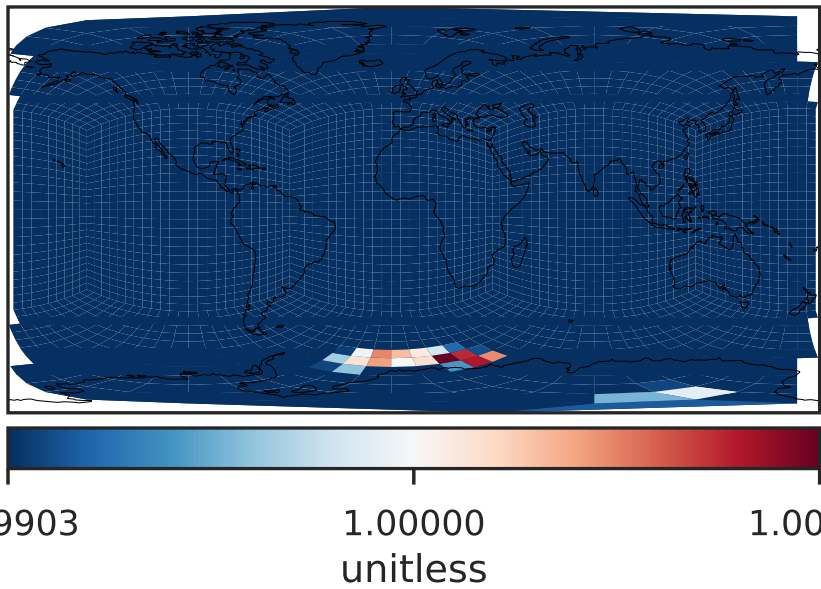
Difference  
Dev - Ref, Dynamic Range



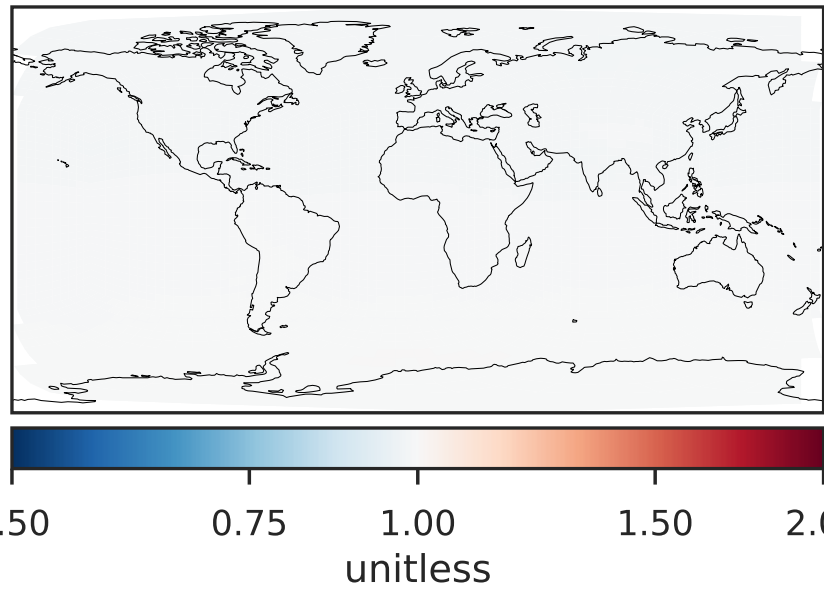
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



Ratio  
Dev/Ref, Fixed Range



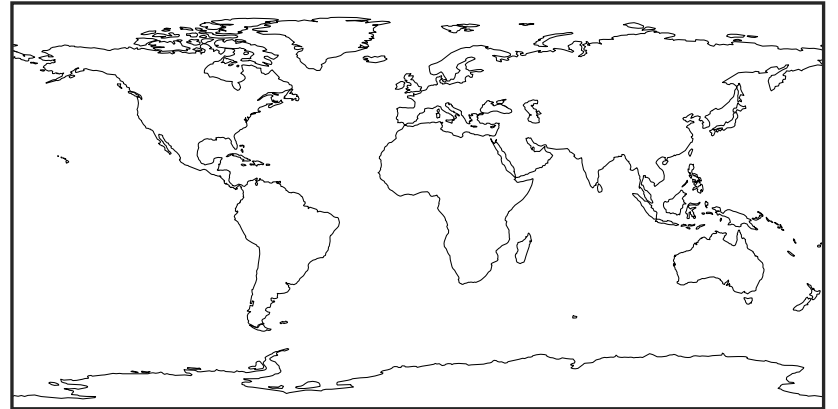
# Jval\_HC5A (AnnualMean)

GCHP\_14.0.0 (Ref)  
c24



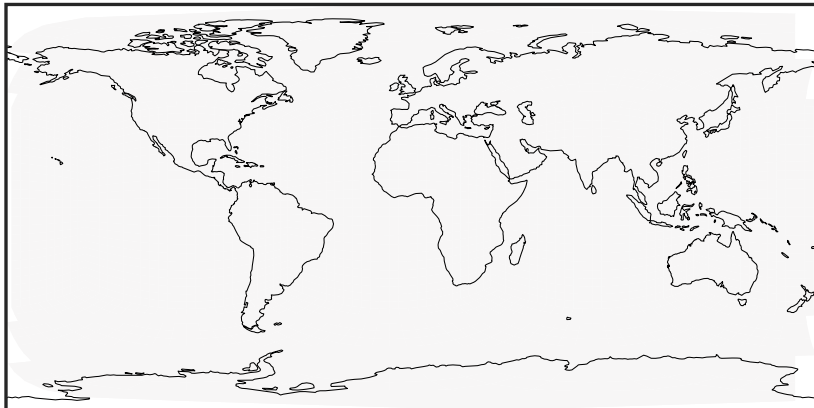
Zero throughput domain  
s-1

GCHP\_14.2.0 (Dev)  
c24



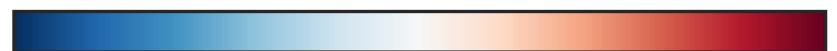
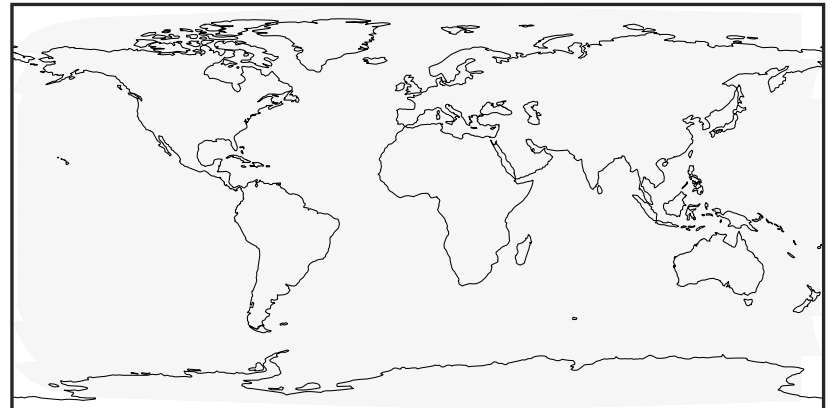
Zero throughput domain  
s-1

Difference  
Dev - Ref, Dynamic Range



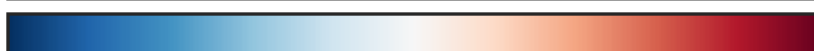
Zero throughput domain  
s-1

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



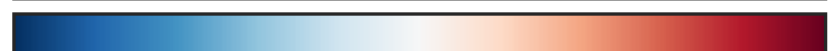
Zero throughput domain  
s-1

Ratio  
Dev/Ref, Dynamic Range



Undefined throughput domain  
unitless

Ratio  
Dev/Ref, Fixed Range

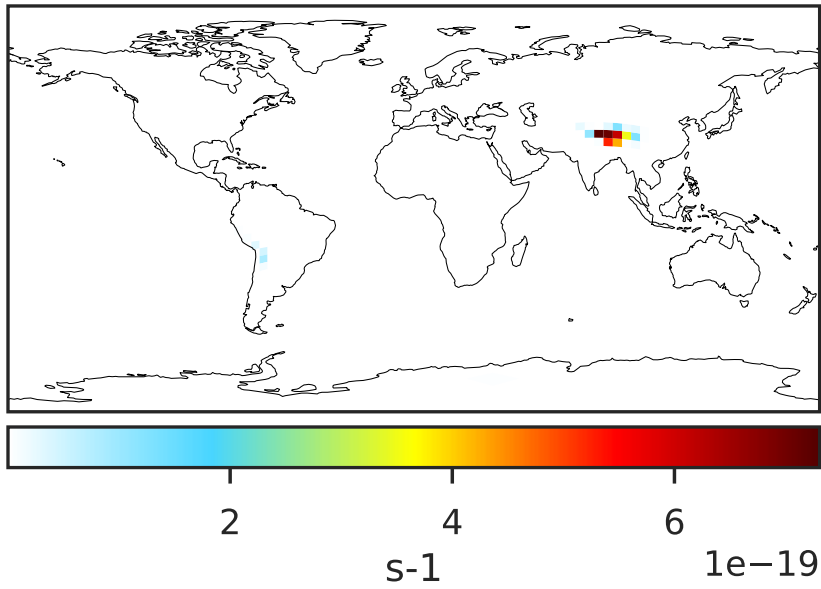


Undefined throughput domain  
unitless

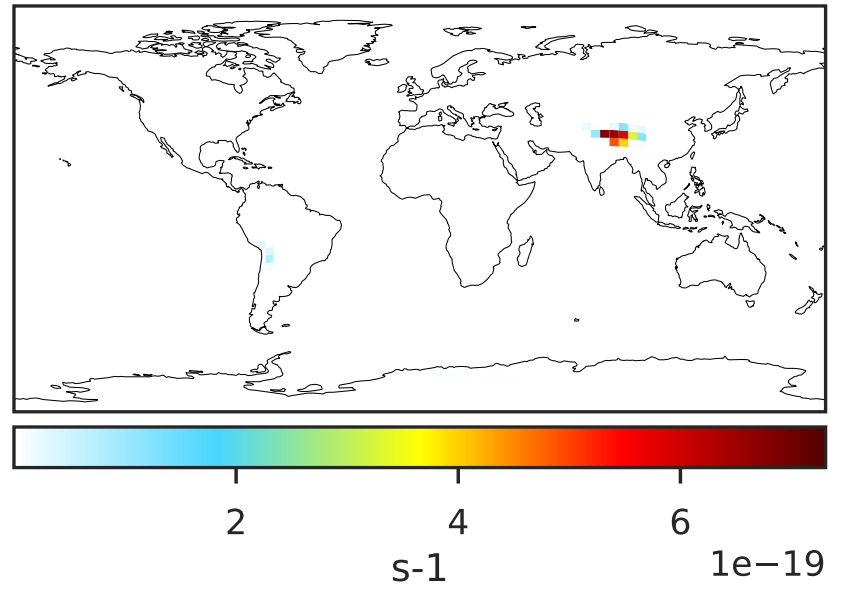


# Jval\_HCFC123 (AnnualMean)

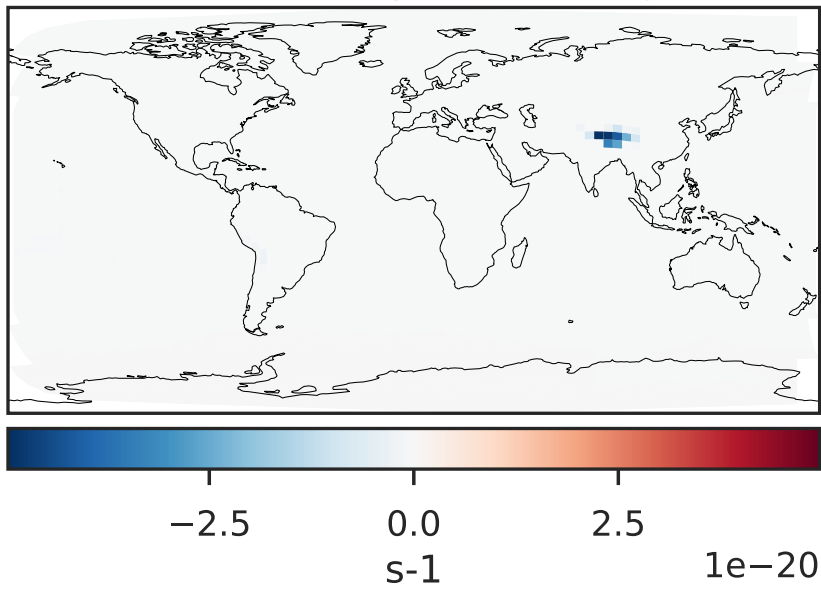
GCHP\_14.0.0 (Ref)  
c24



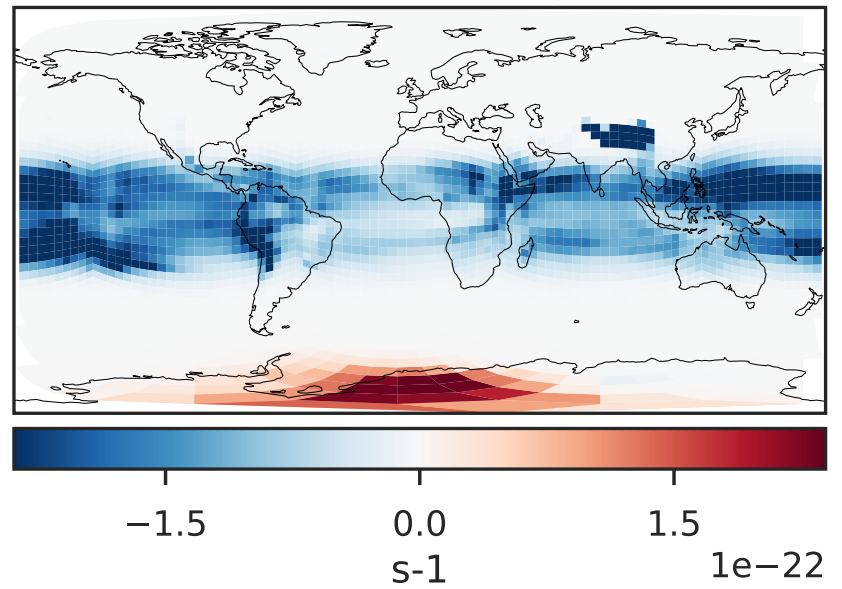
GCHP\_14.2.0 (Dev)  
c24



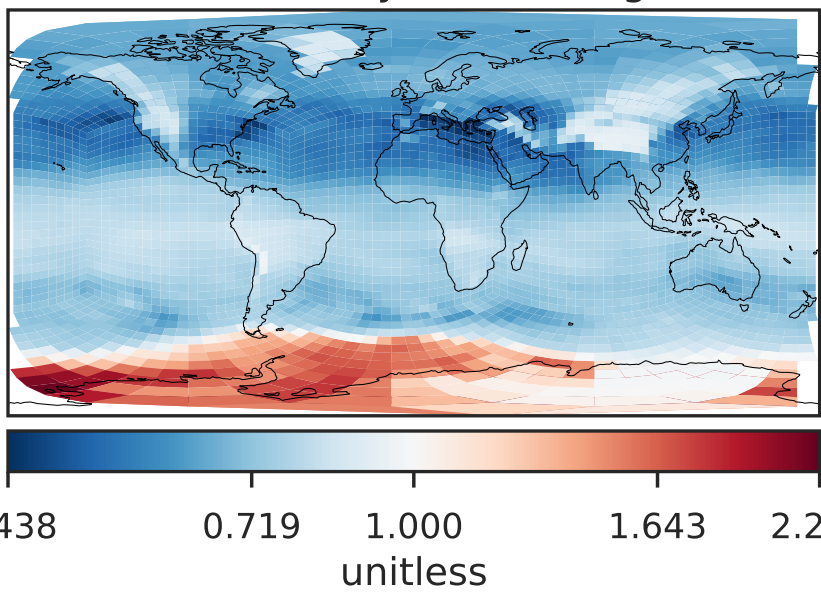
Difference  
Dev - Ref, Dynamic Range



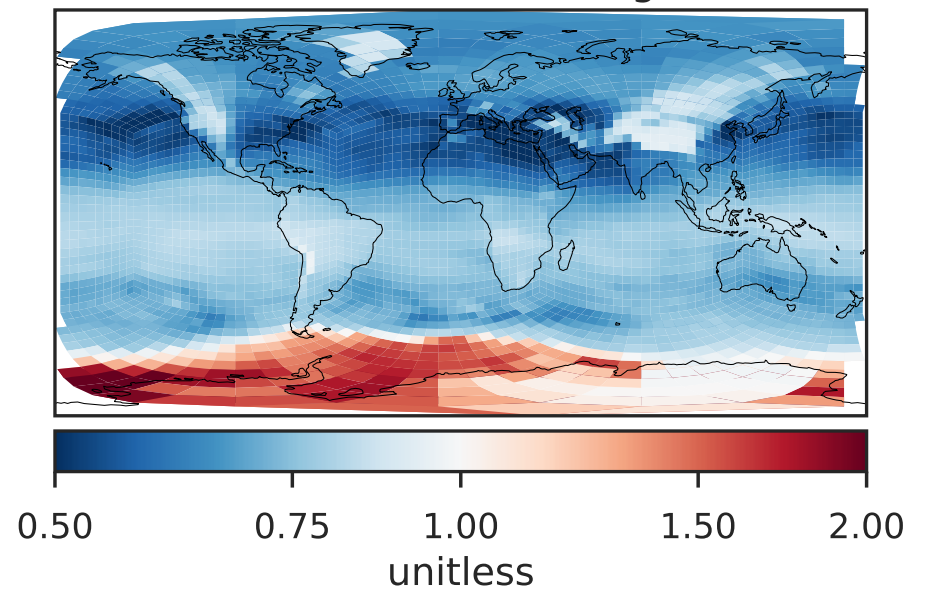
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

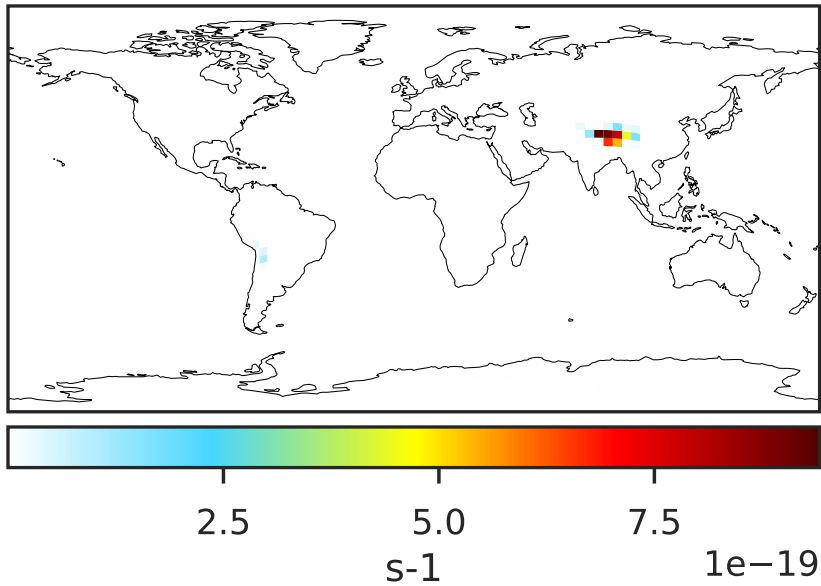


Ratio  
Dev/Ref, Fixed Range

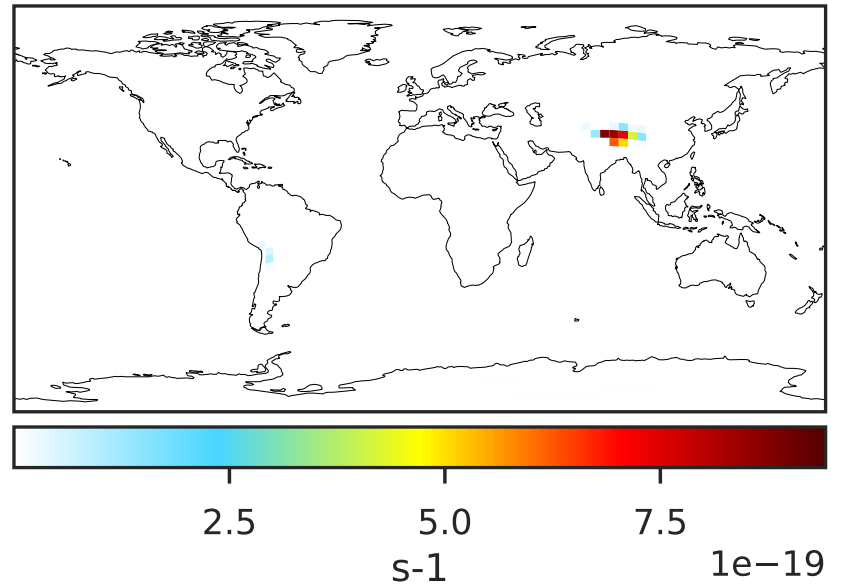


# Jval\_HCFC141b (AnnualMean)

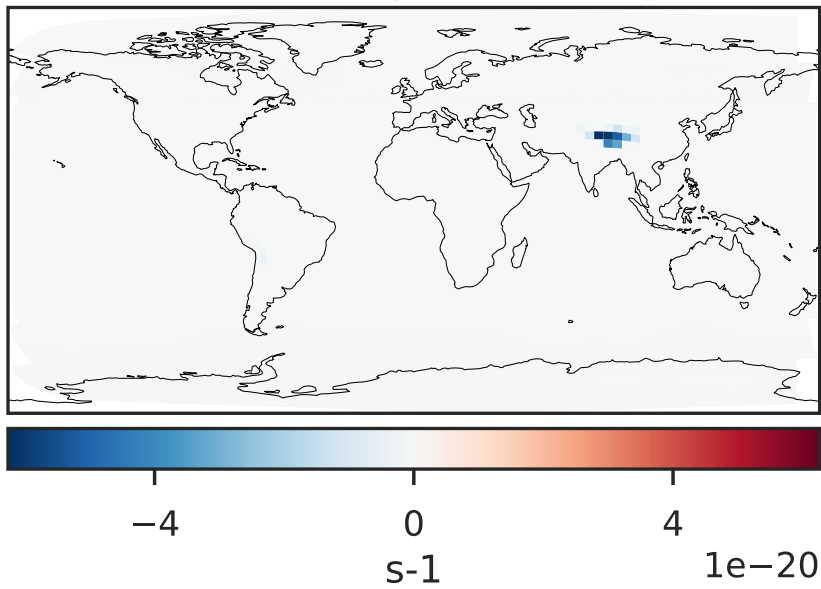
GCHP\_14.0.0 (Ref)  
c24



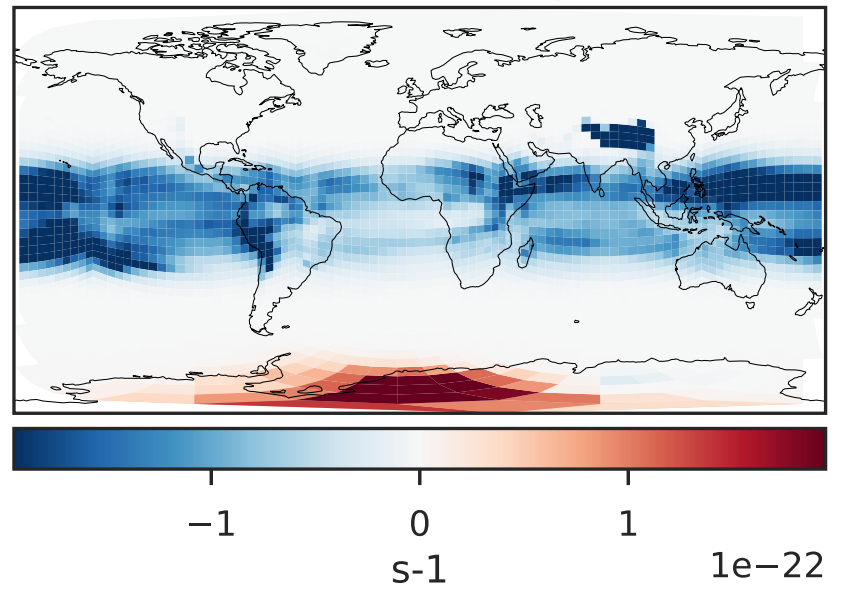
GCHP\_14.2.0 (Dev)  
c24



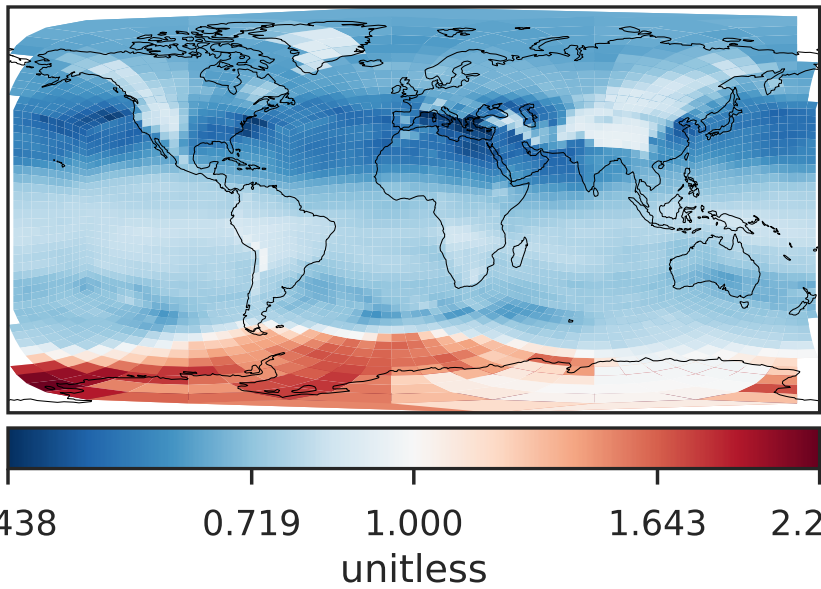
Difference  
Dev - Ref, Dynamic Range



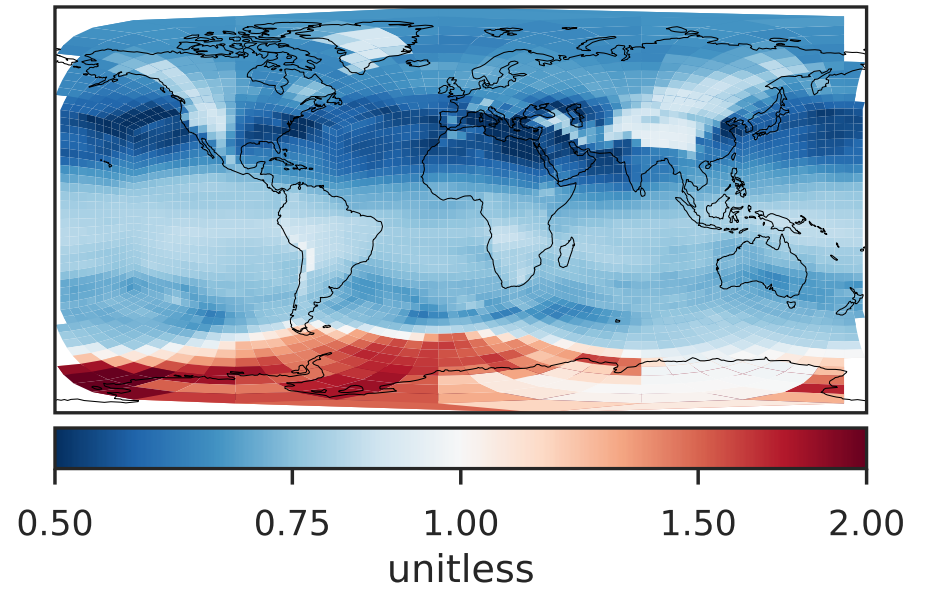
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

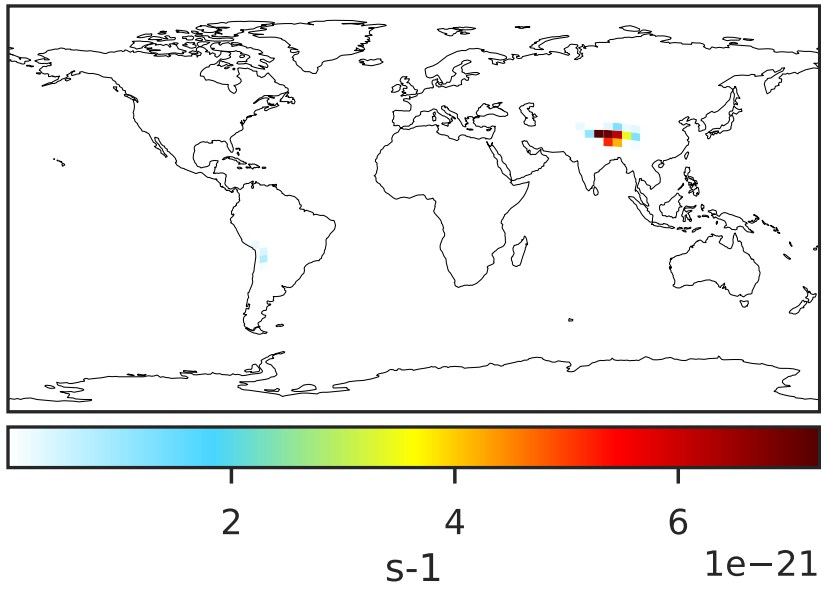


Ratio  
Dev/Ref, Fixed Range

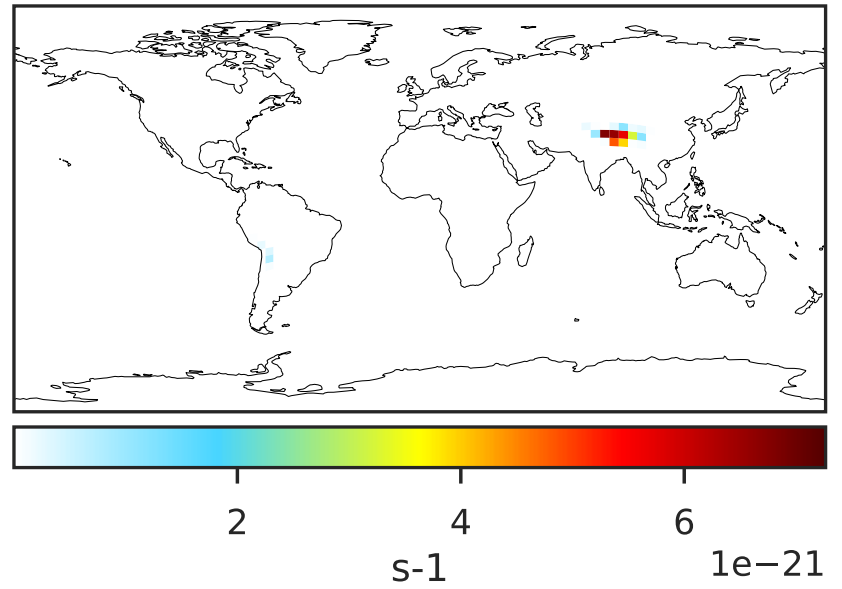


# Jval\_HCFC142b (AnnualMean)

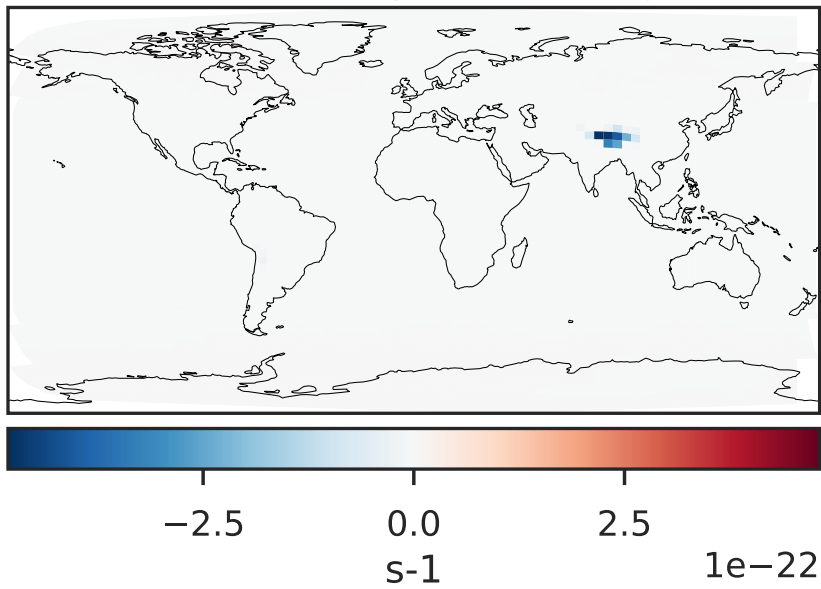
GCHP\_14.0.0 (Ref)  
c24



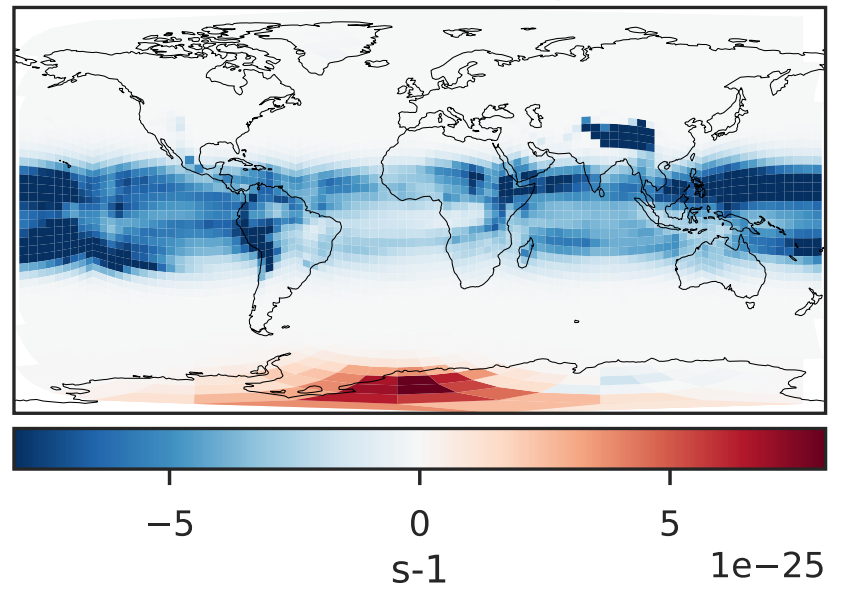
GCHP\_14.2.0 (Dev)  
c24



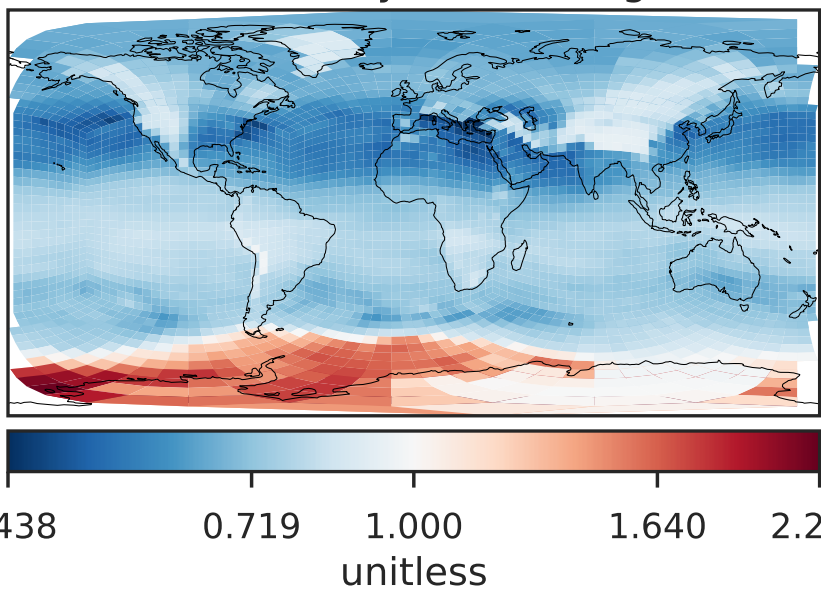
Difference  
Dev - Ref, Dynamic Range



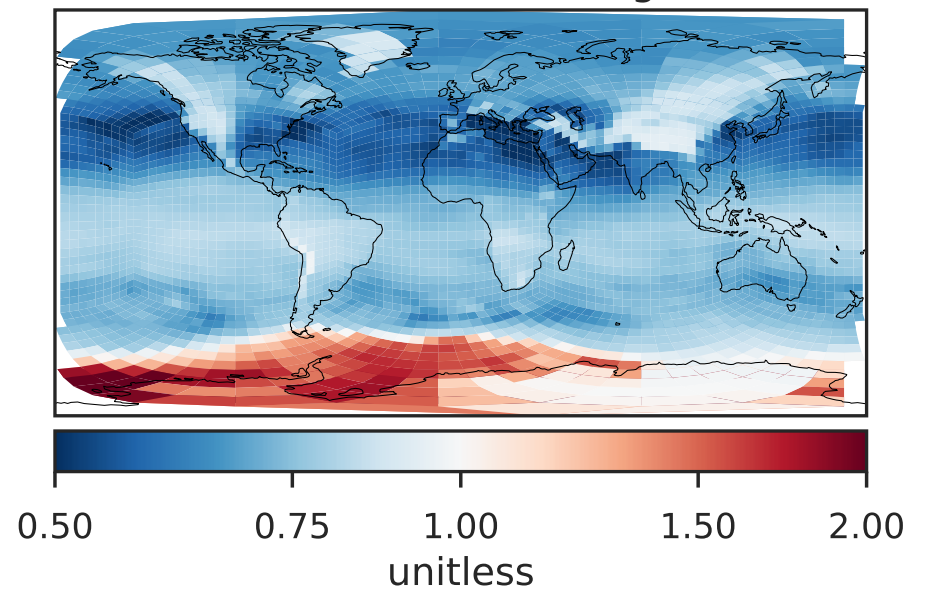
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



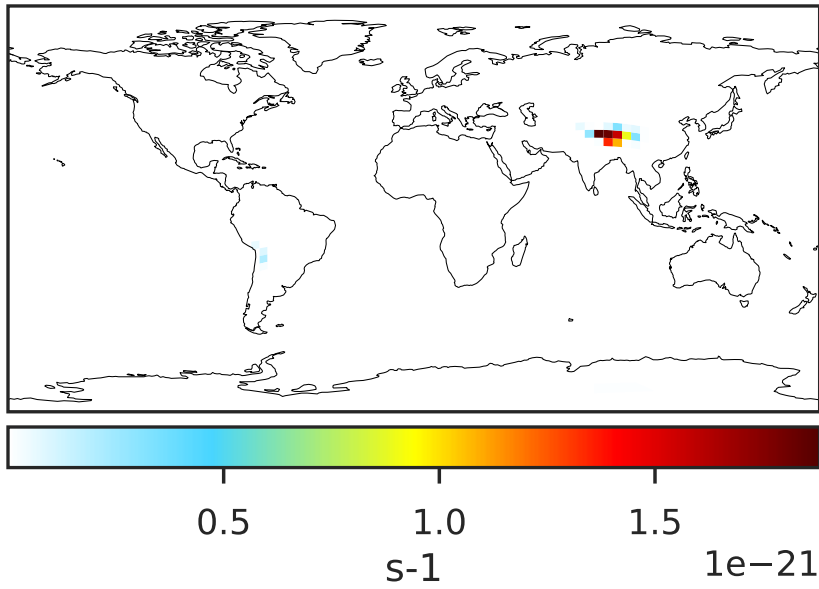
Ratio  
Dev/Ref, Fixed Range



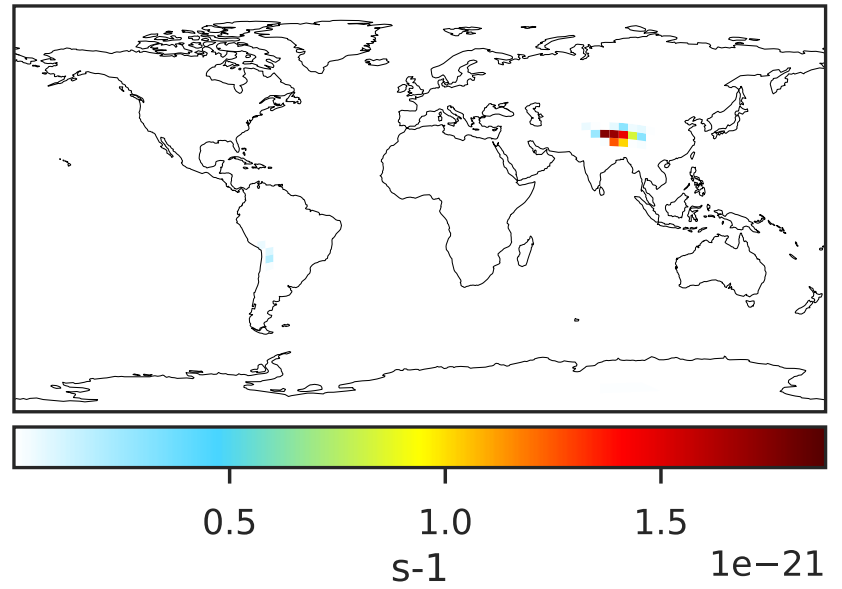


# Jval\_HCFC22 (AnnualMean)

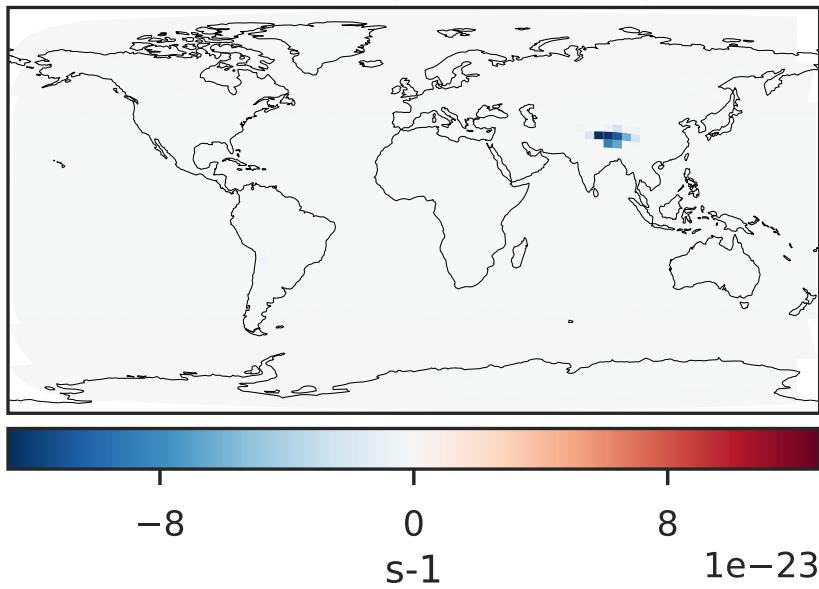
GCHP\_14.0.0 (Ref)  
c24



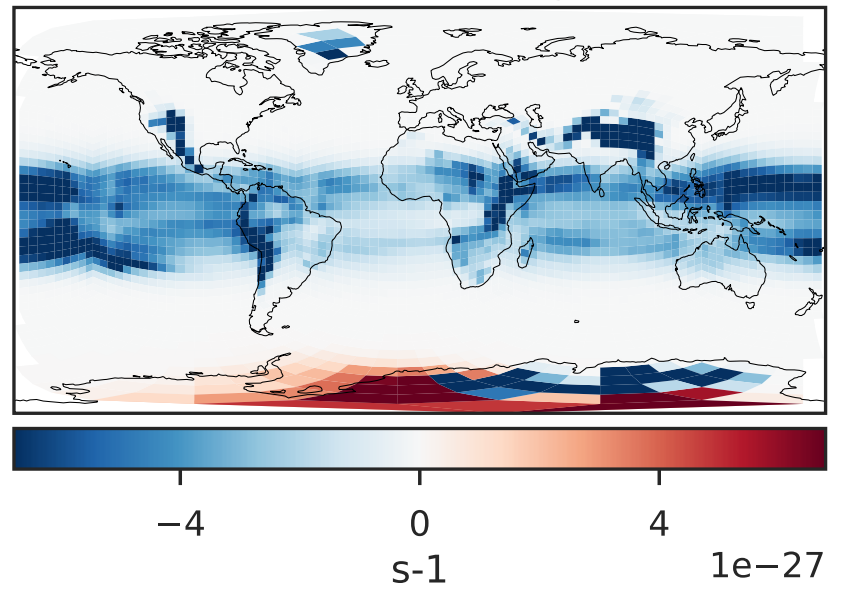
GCHP\_14.2.0 (Dev)  
c24



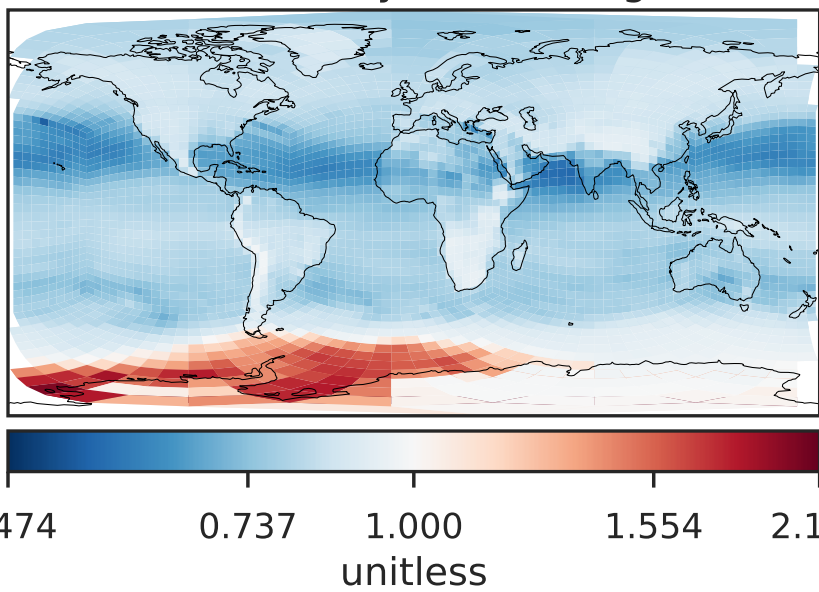
Difference  
Dev - Ref, Dynamic Range



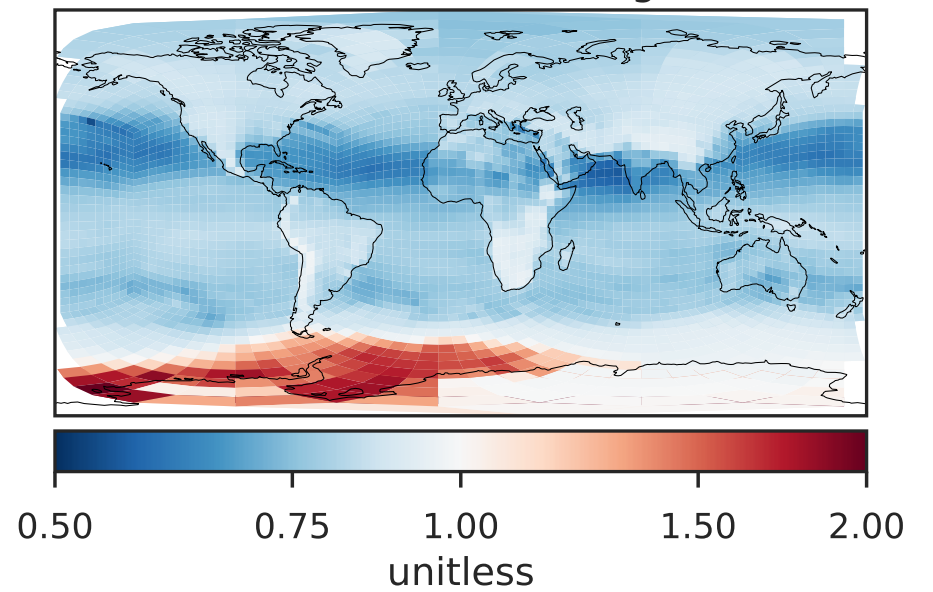
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

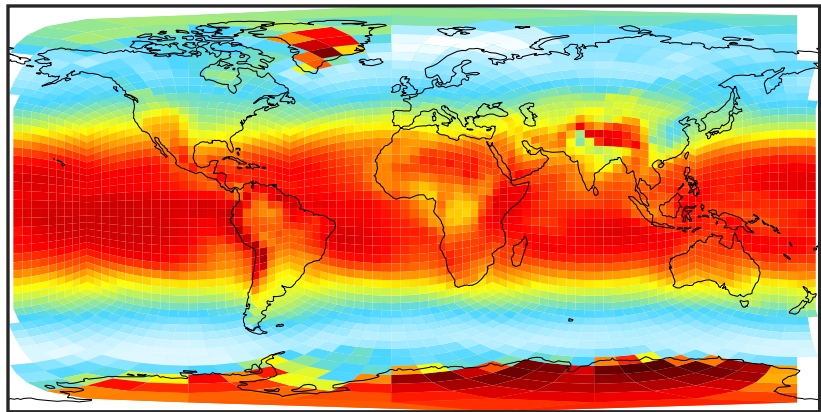


Ratio  
Dev/Ref, Fixed Range



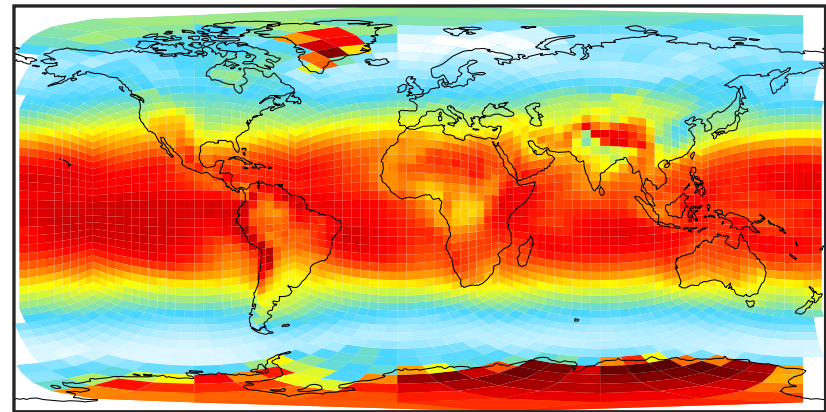
# Jval\_HMHP (AnnualMean)

GCHP\_14.0.0 (Ref)  
c24



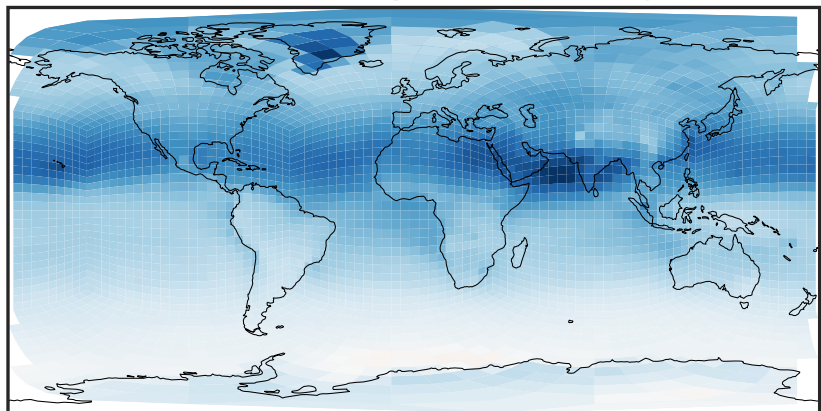
0.6 0.9 1.2 1.5  
s-1  $1e-6$

GCHP\_14.2.0 (Dev)  
c24



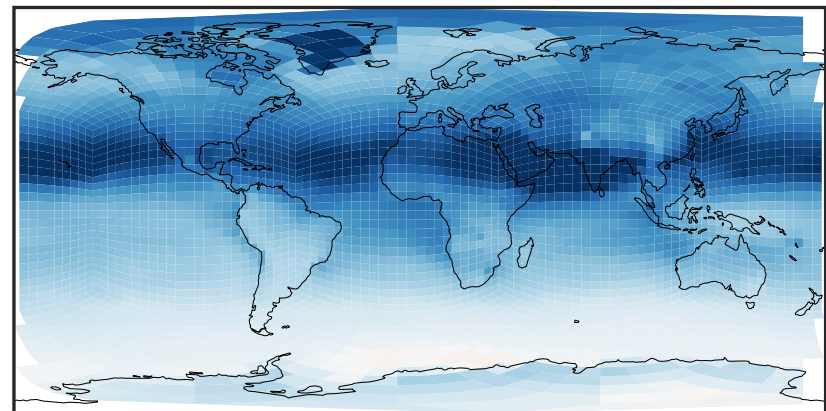
0.6 0.9 1.2 1.5  
s-1  $1e-6$

Difference  
Dev - Ref, Dynamic Range



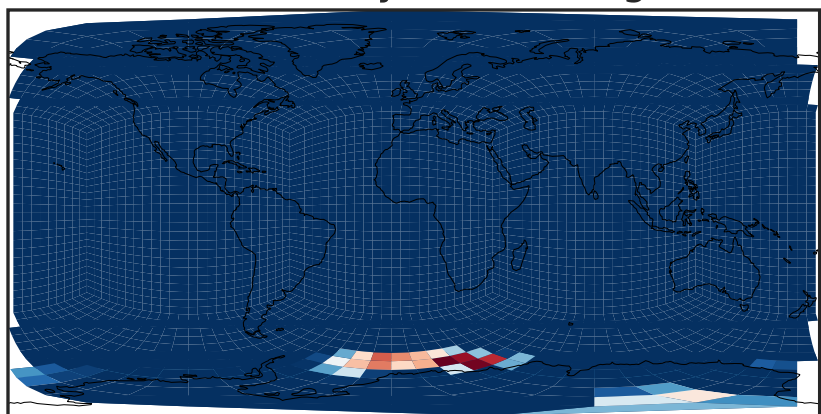
-6 0 6  
s-1  $1e-9$

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



-5 0 5  
s-1  $1e-9$

Ratio  
Dev/Ref, Dynamic Range



0.999396 1.000000 1.000604  
unitless

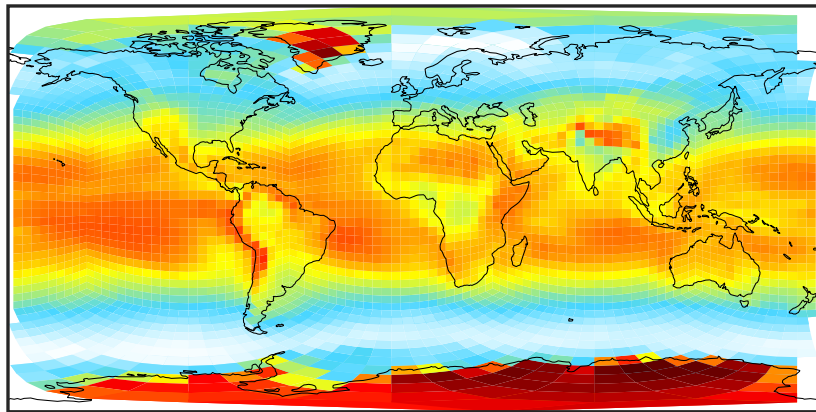
Ratio  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

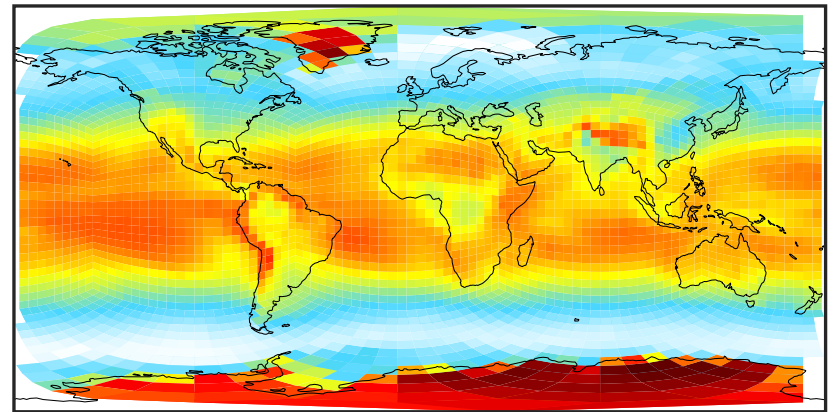
# Jval\_HNO2 (AnnualMean)

GCHP\_14.0.0 (Ref)  
c24



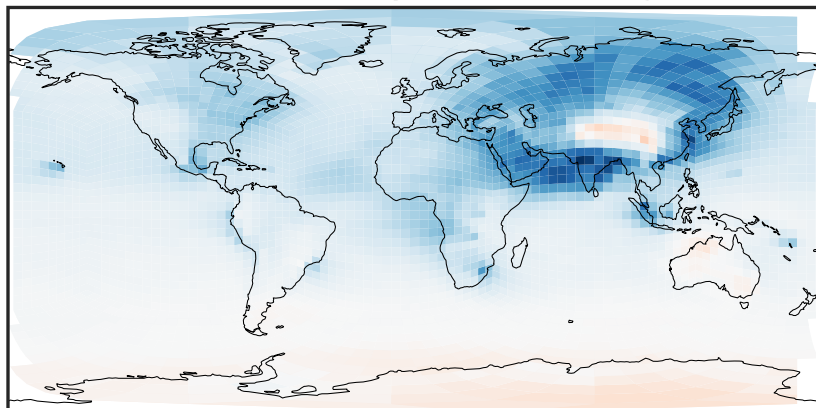
0.00030 0.00045 0.00060  
s-1

GCHP\_14.2.0 (Dev)  
c24



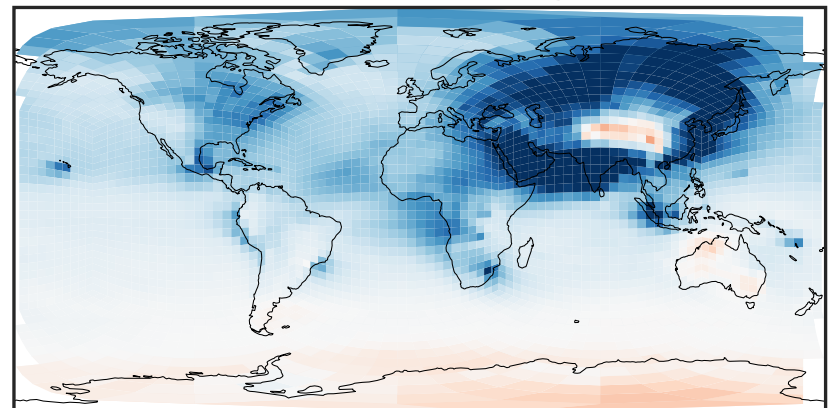
0.00030 0.00045 0.00060  
s-1

Difference  
Dev - Ref, Dynamic Range



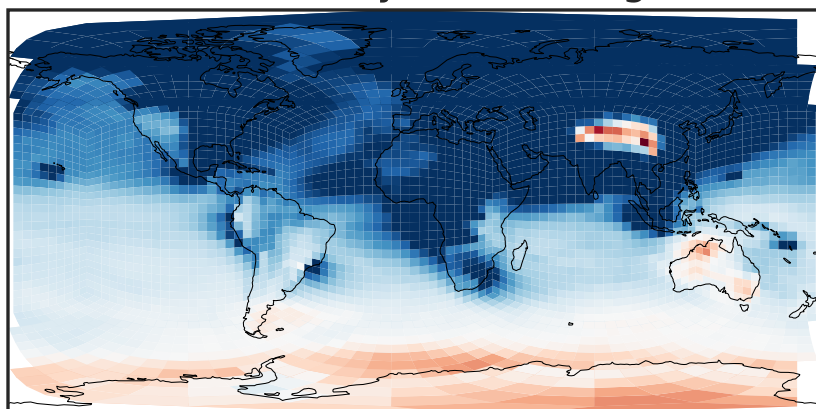
-8 0 8  
s-1 1e-7

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



-5 0 5  
s-1 1e-7

Ratio  
Dev/Ref, Dynamic Range



0.999219 1.000000 1.000782  
unitless

Ratio  
Dev/Ref, Fixed Range

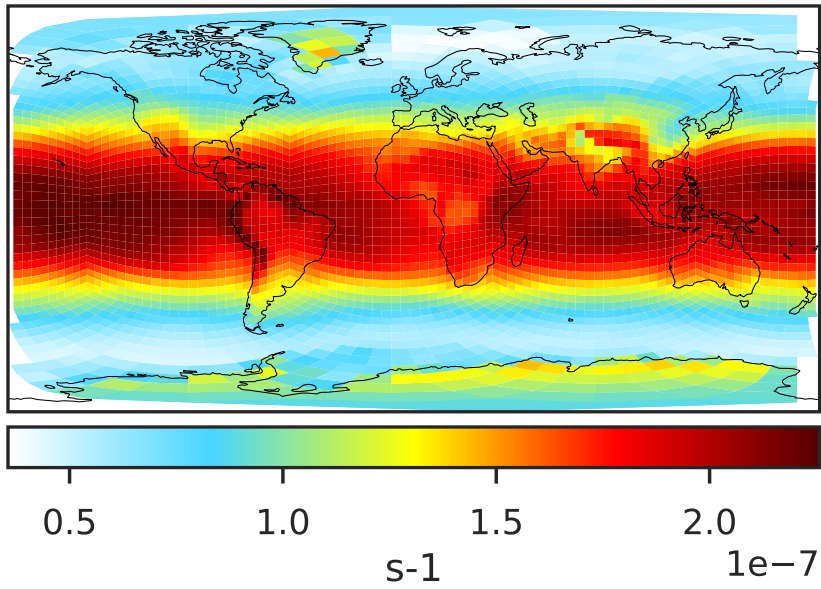


0.50 0.75 1.00 1.50 2.00  
unitless

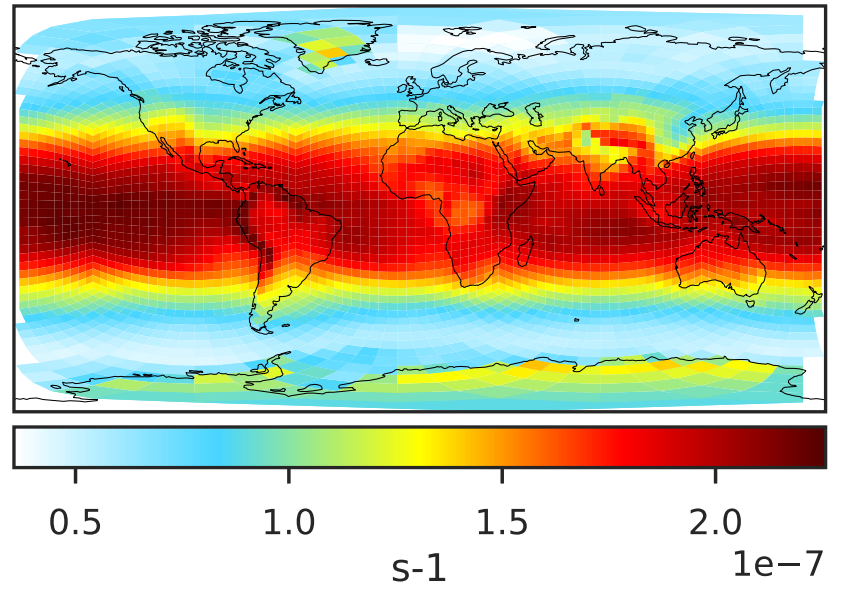


# Jval\_HNO3 (AnnualMean)

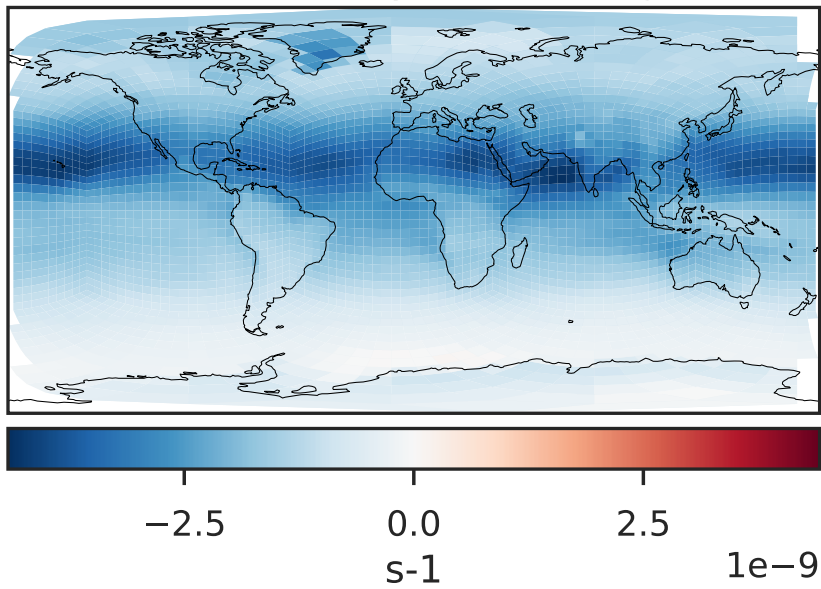
GCHP\_14.0.0 (Ref)  
c24



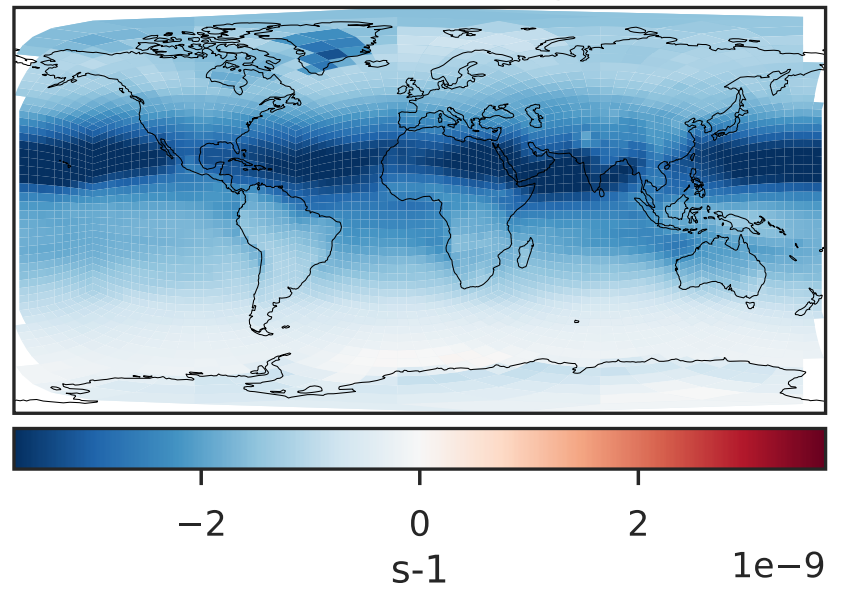
GCHP\_14.2.0 (Dev)  
c24



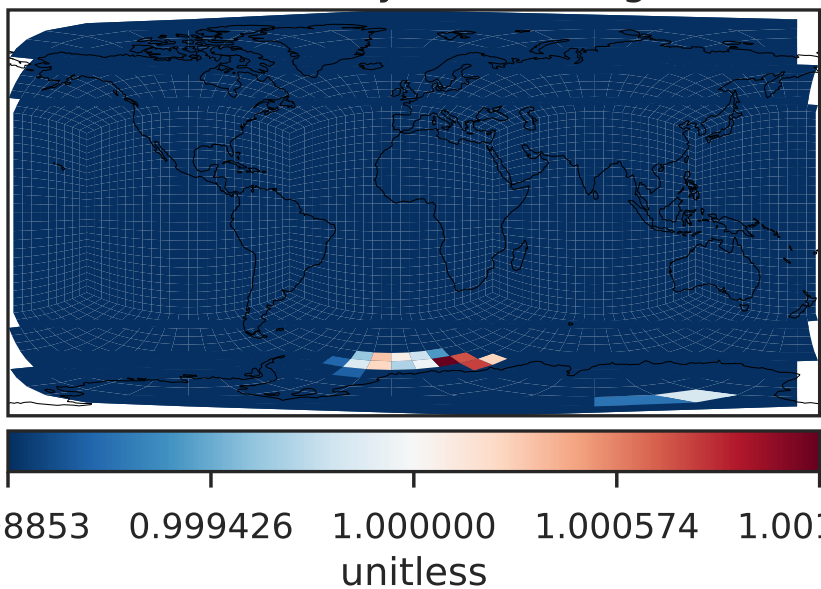
Difference  
Dev - Ref, Dynamic Range



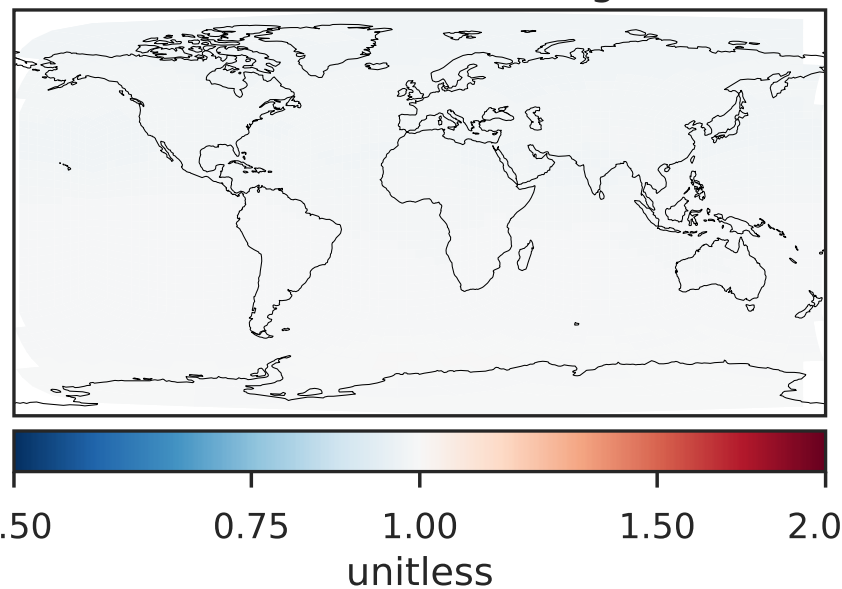
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

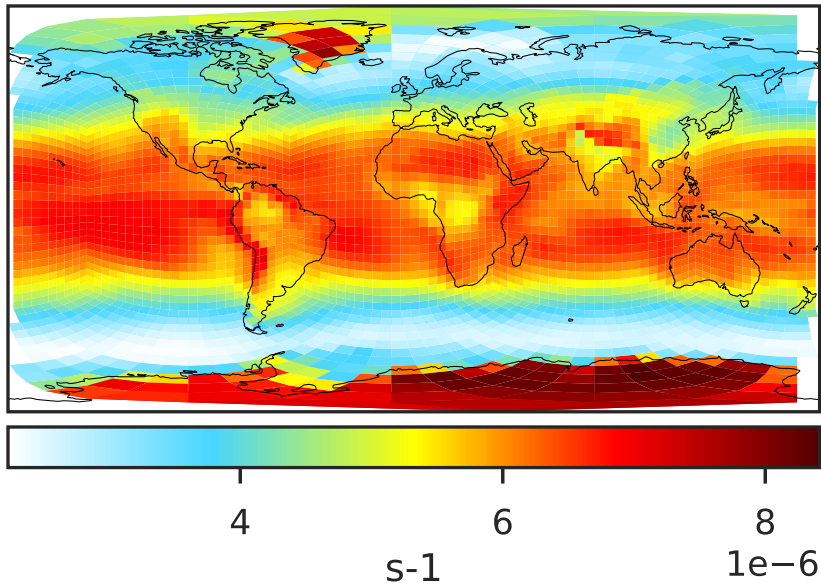


Ratio  
Dev/Ref, Fixed Range

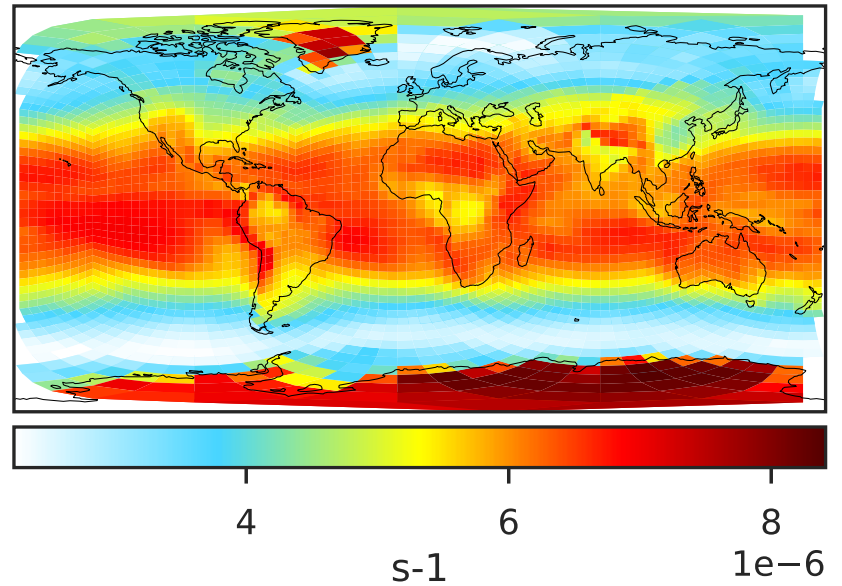


# Jval\_HNO4 (AnnualMean)

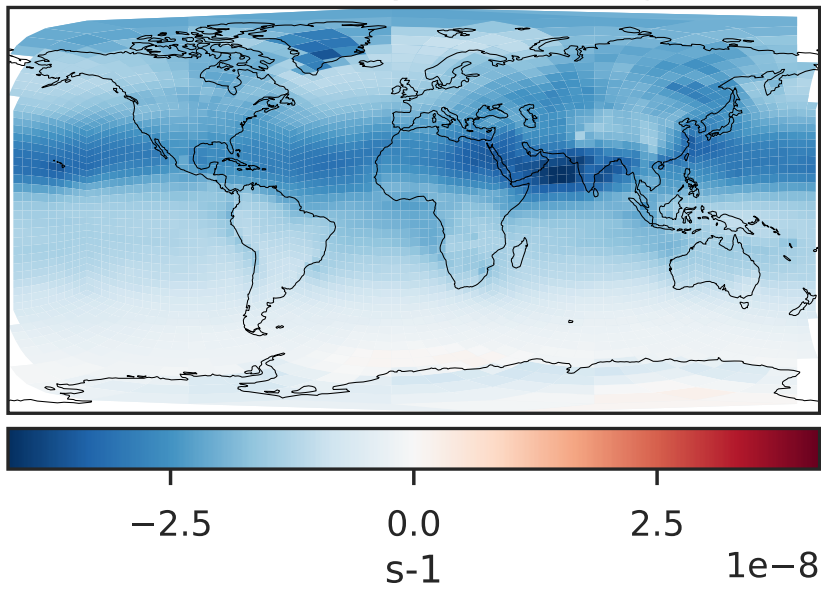
GCHP\_14.0.0 (Ref)  
c24



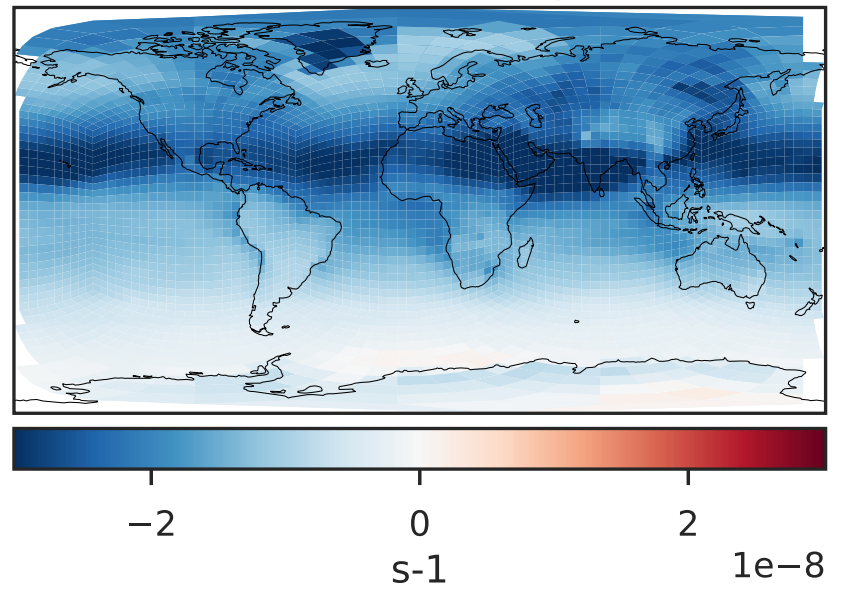
GCHP\_14.2.0 (Dev)  
c24



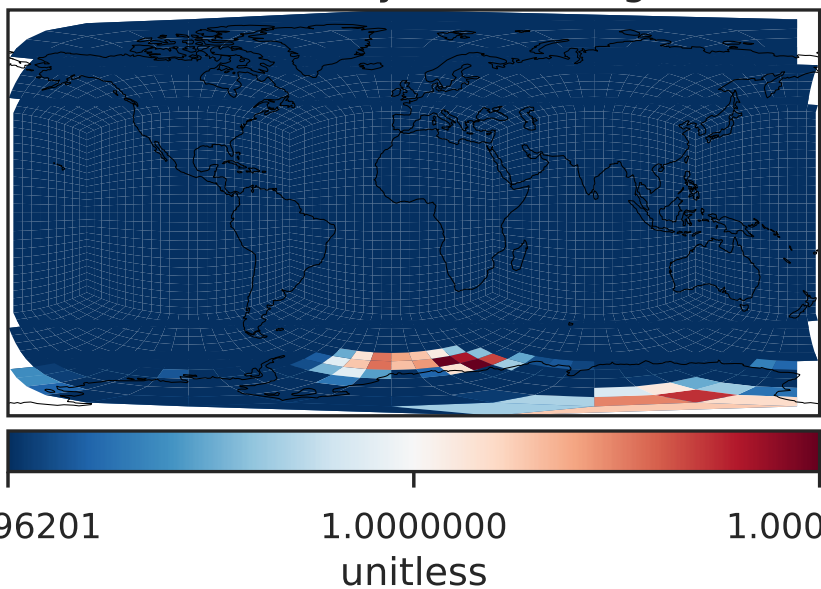
Difference  
Dev - Ref, Dynamic Range



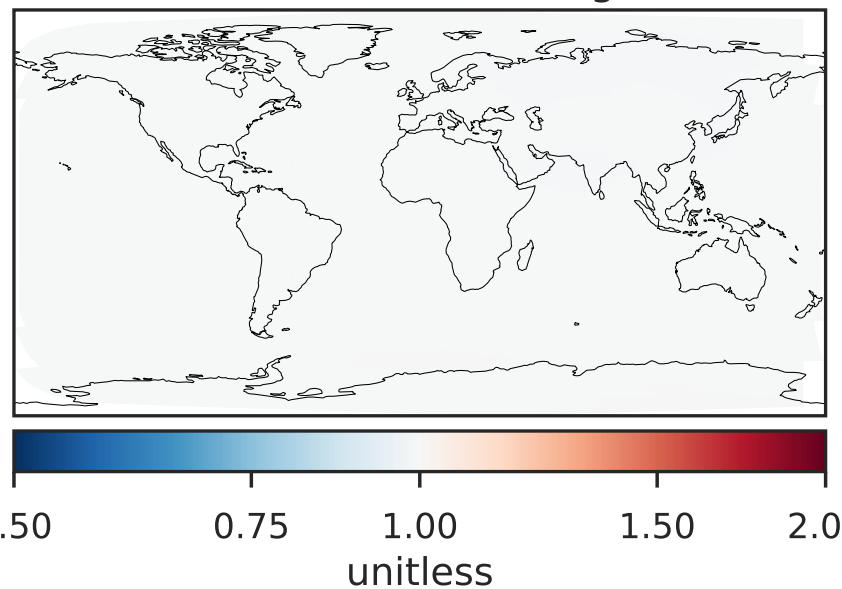
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



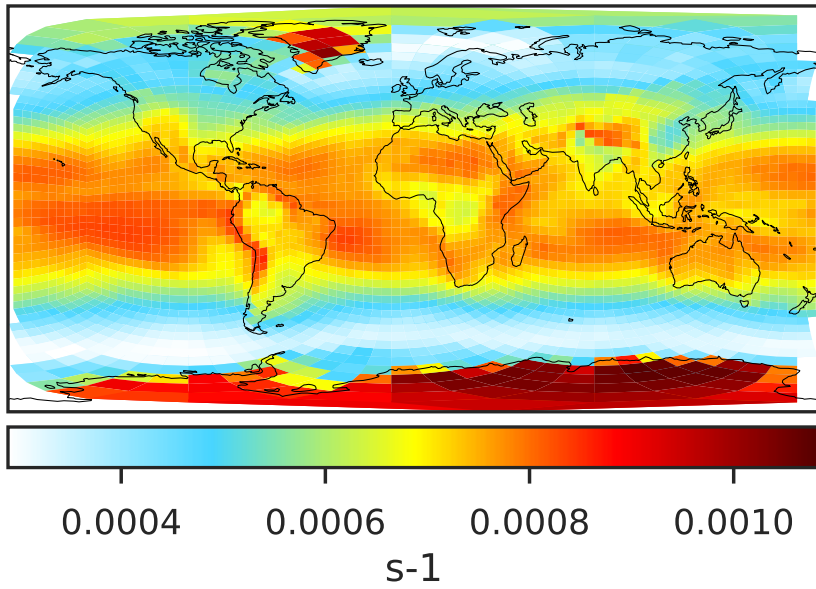
Ratio  
Dev/Ref, Fixed Range



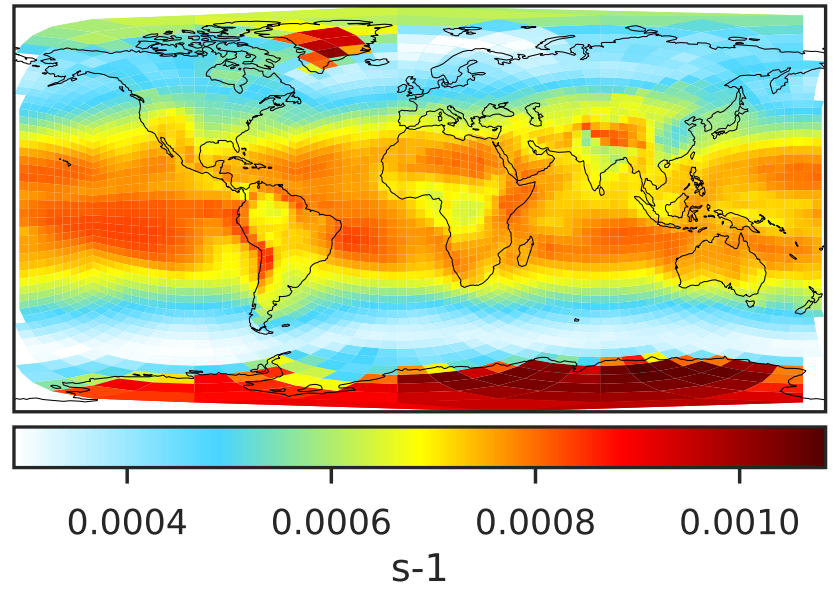


# Jval\_HOBr (AnnualMean)

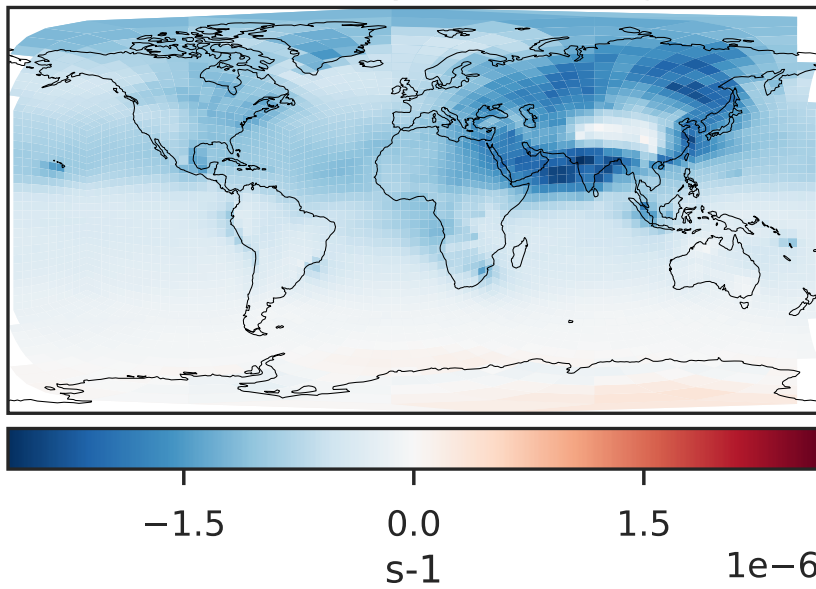
GCHP\_14.0.0 (Ref)  
c24



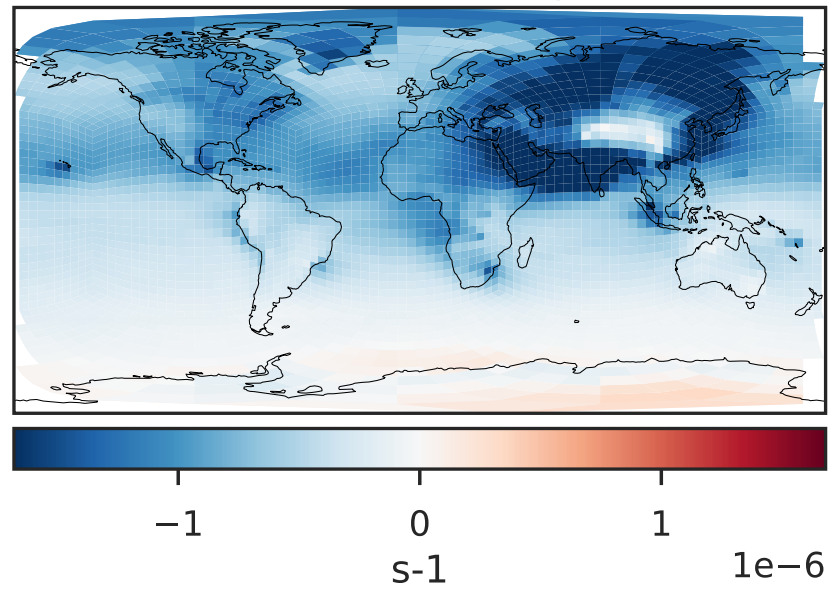
GCHP\_14.2.0 (Dev)  
c24



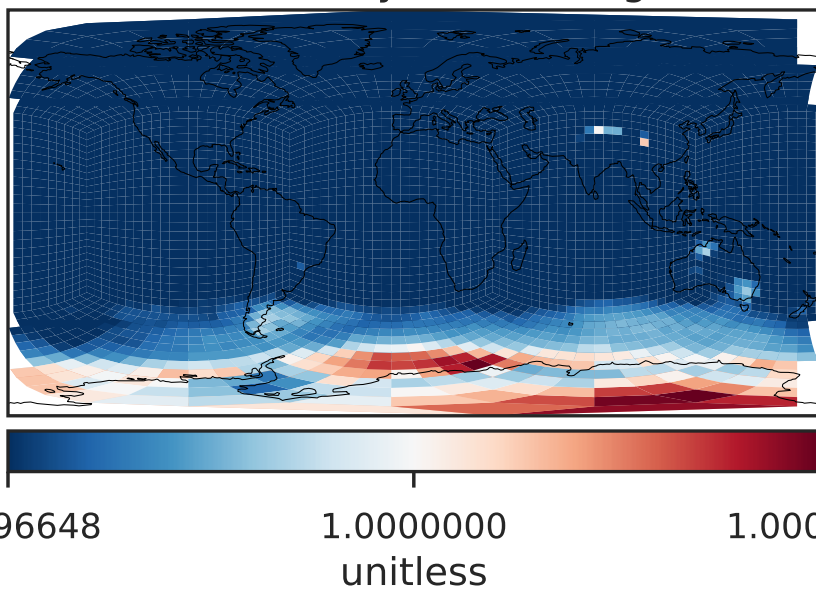
Difference  
Dev - Ref, Dynamic Range



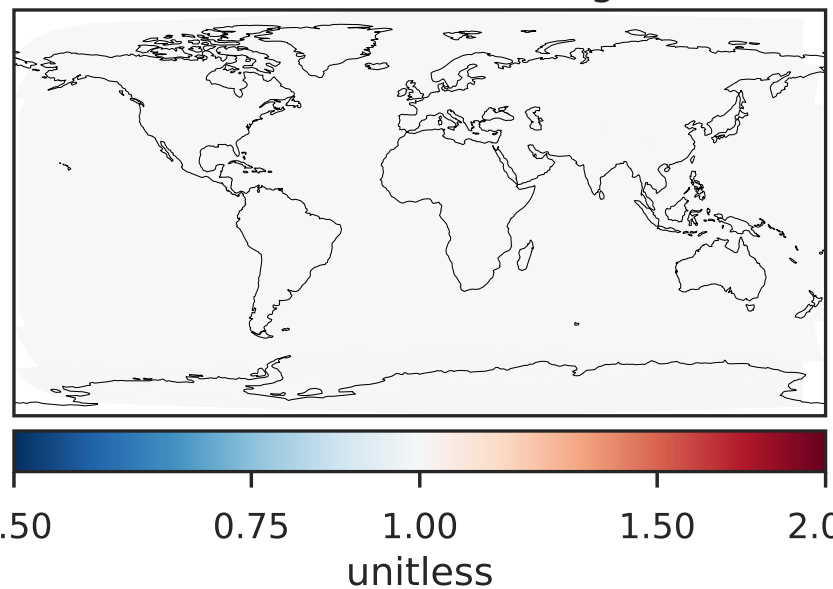
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



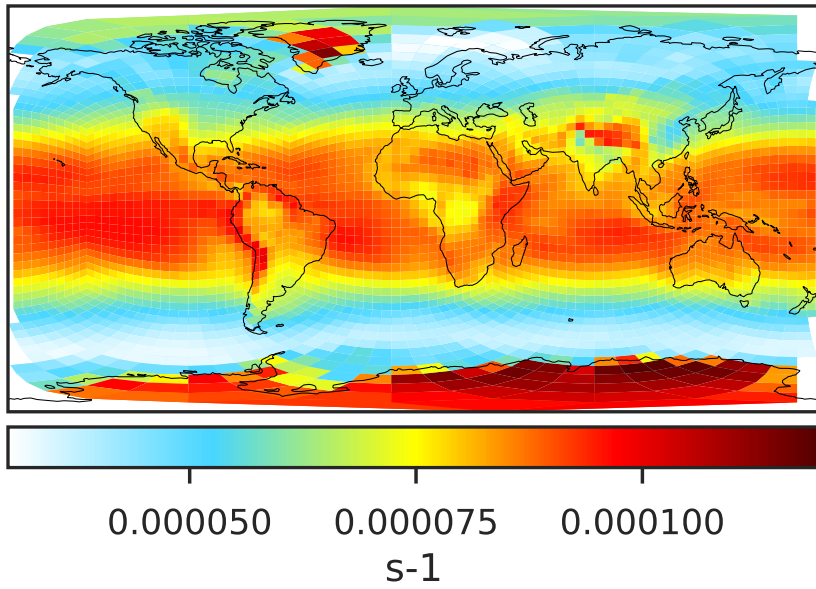
Ratio  
Dev/Ref, Fixed Range



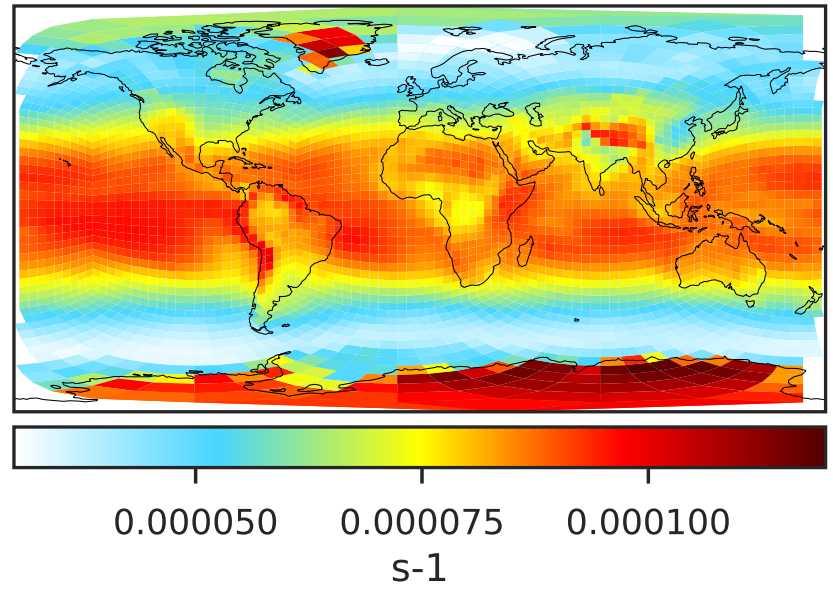


# Jval\_HOCl (AnnualMean)

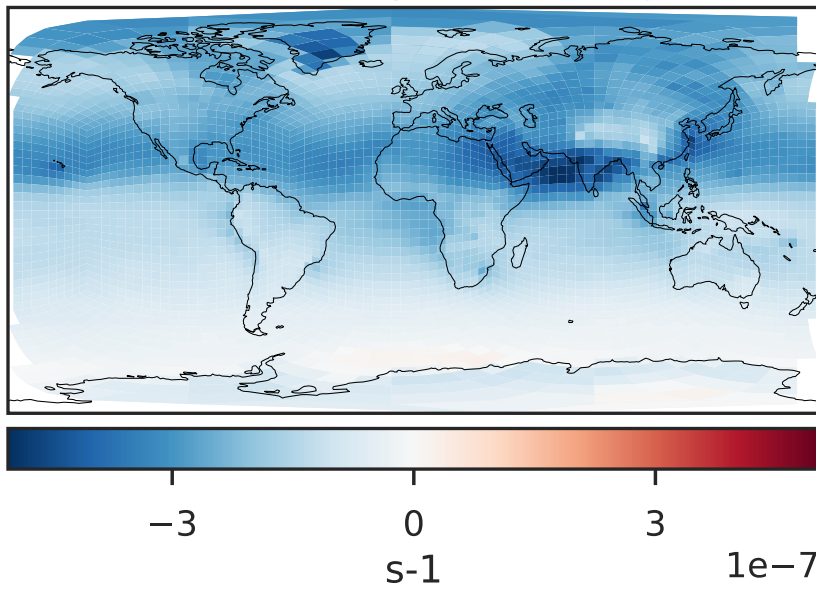
GCHP\_14.0.0 (Ref)  
c24



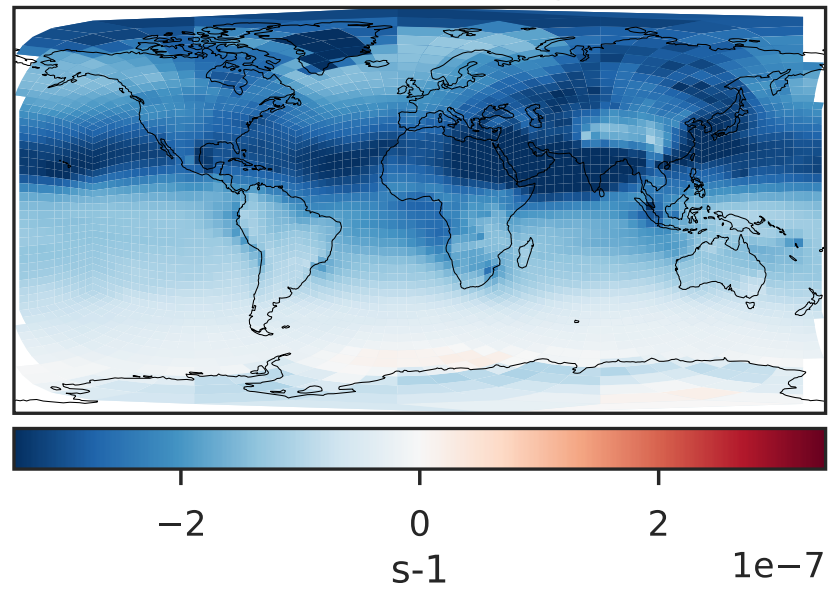
GCHP\_14.2.0 (Dev)  
c24



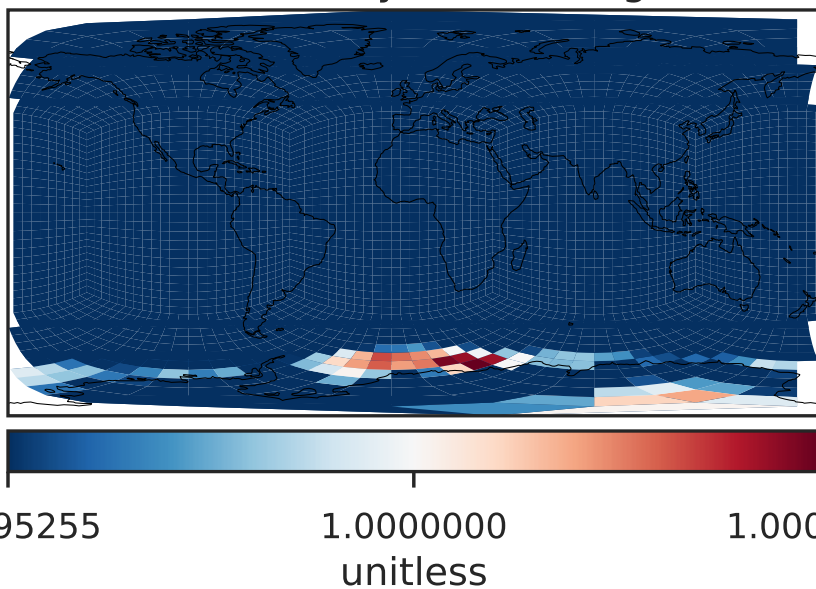
Difference  
Dev - Ref, Dynamic Range



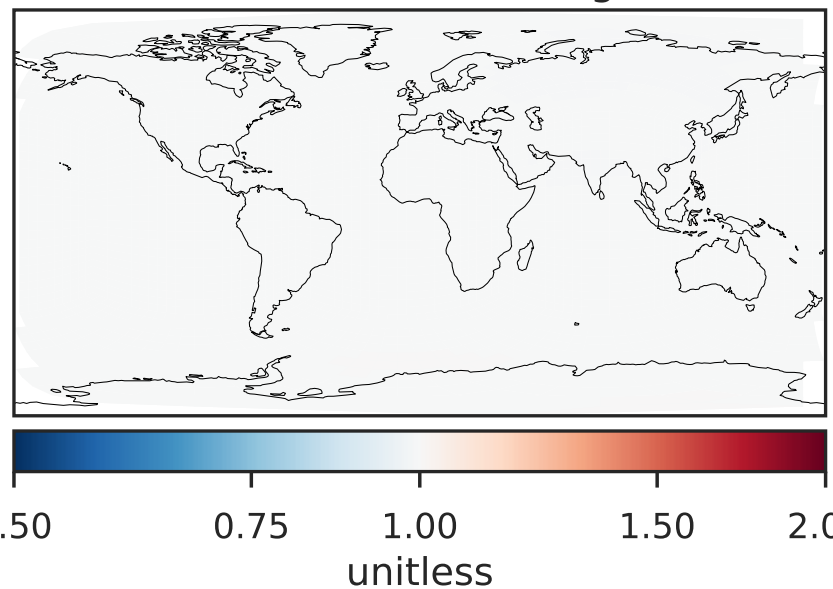
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

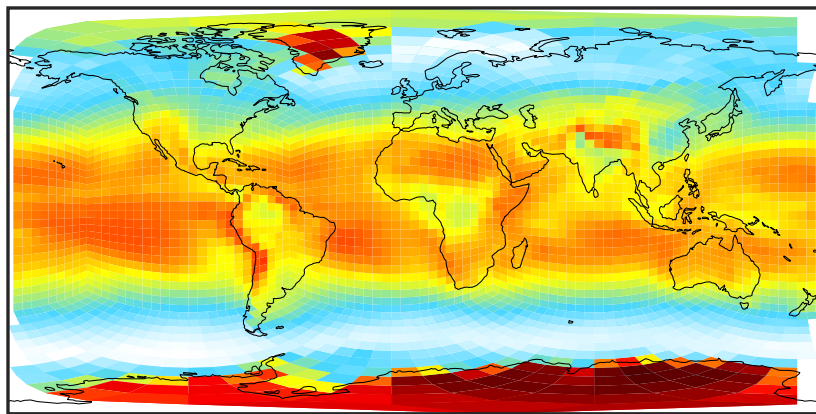


Ratio  
Dev/Ref, Fixed Range



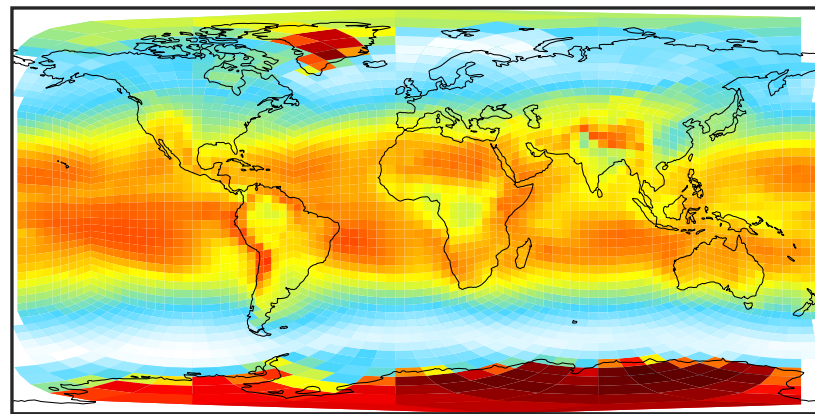
# Jval\_HOI (AnnualMean)

GCHP\_14.0.0 (Ref)  
c24



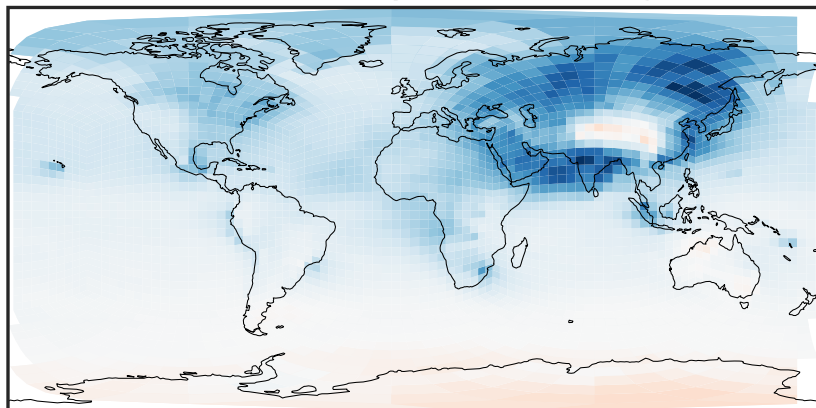
0.002 0.003 0.004  
s-1

GCHP\_14.2.0 (Dev)  
c24



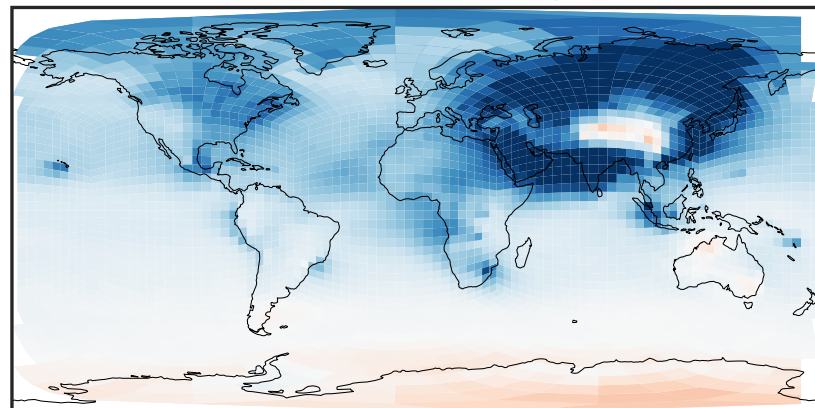
0.002 0.003 0.004  
s-1

Difference  
Dev - Ref, Dynamic Range



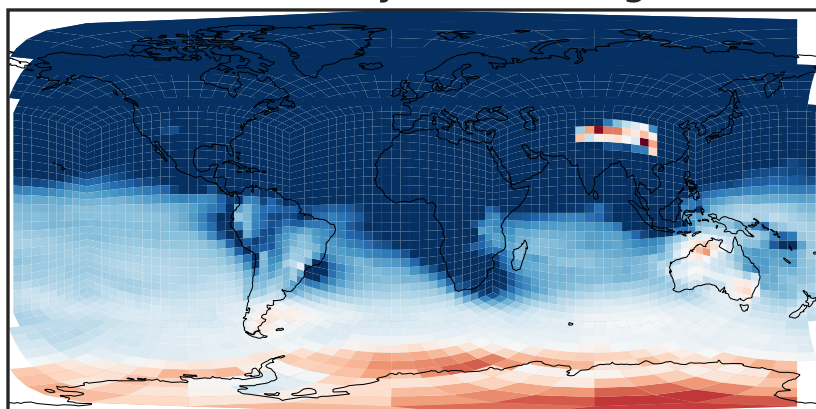
-5 0 5  
s-1 1e-6

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



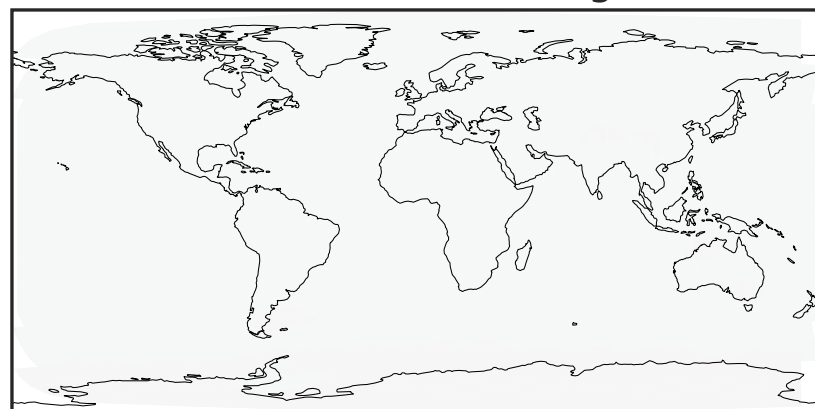
-3 0 3  
s-1 1e-6

Ratio  
Dev/Ref, Dynamic Range



0.999494 1.000000 1.000506  
unitless

Ratio  
Dev/Ref, Fixed Range

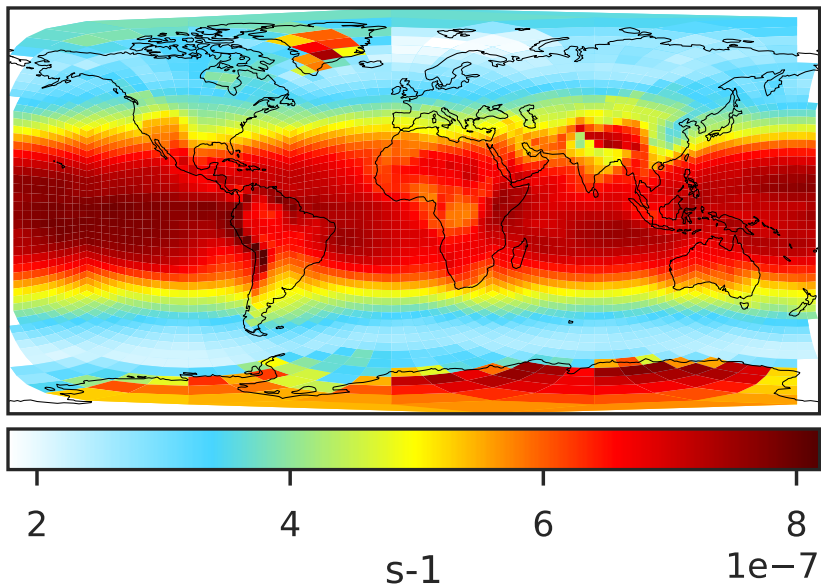


0.50 0.75 1.00 1.50 2.00  
unitless

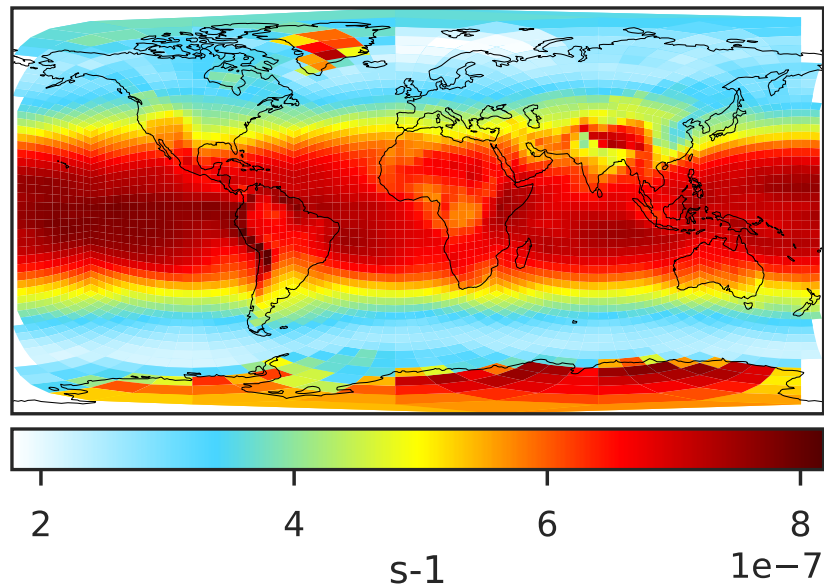


# Jval\_HONIT (AnnualMean)

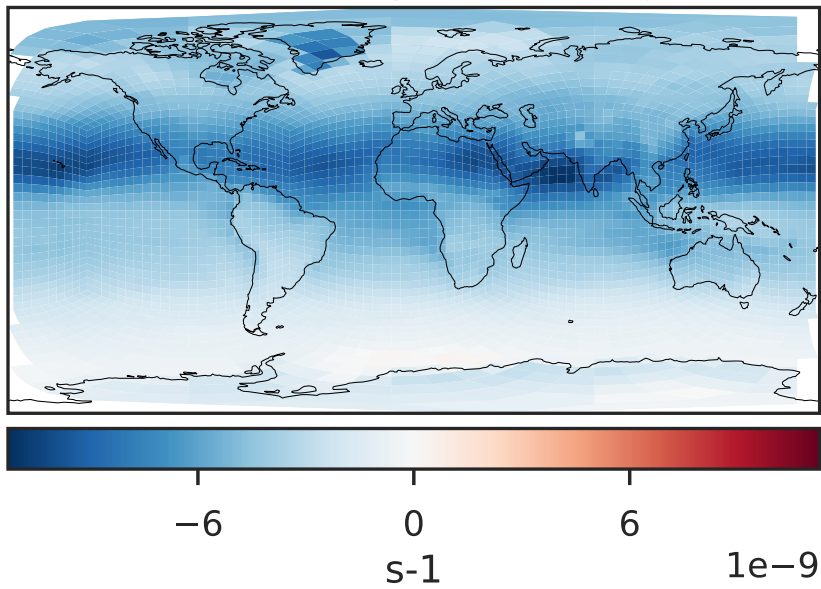
GCHP\_14.0.0 (Ref)  
c24



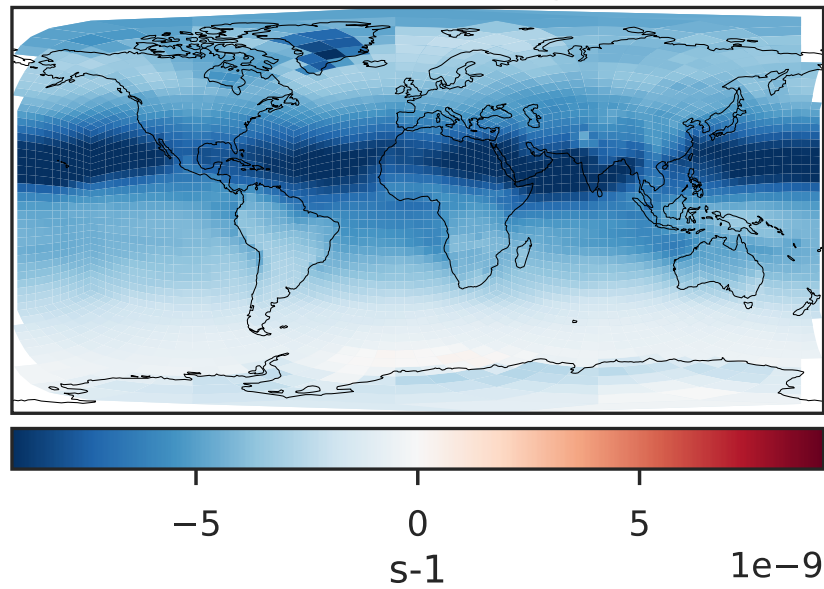
GCHP\_14.2.0 (Dev)  
c24



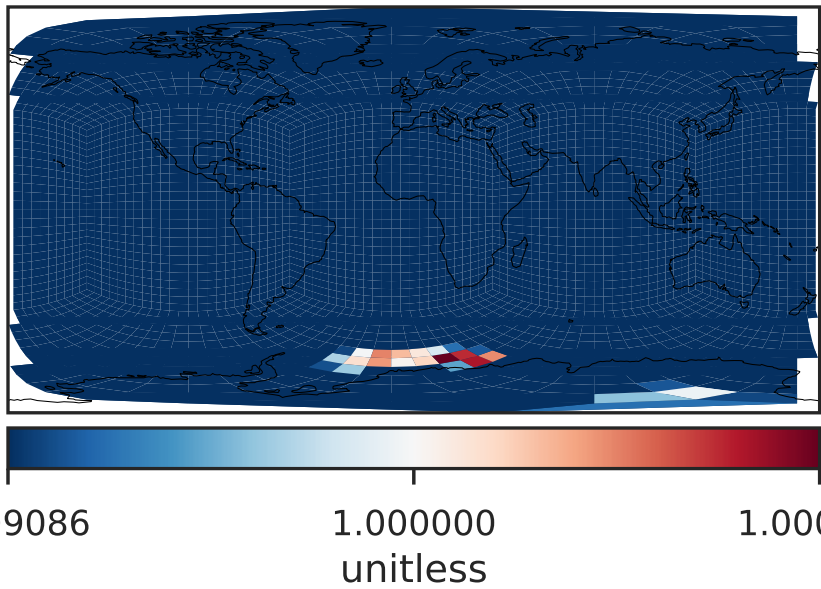
Difference  
Dev - Ref, Dynamic Range



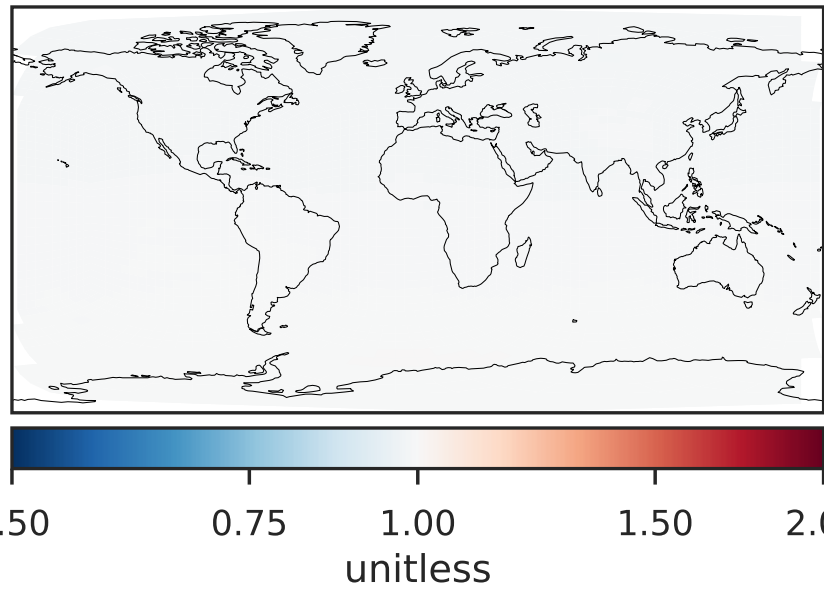
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



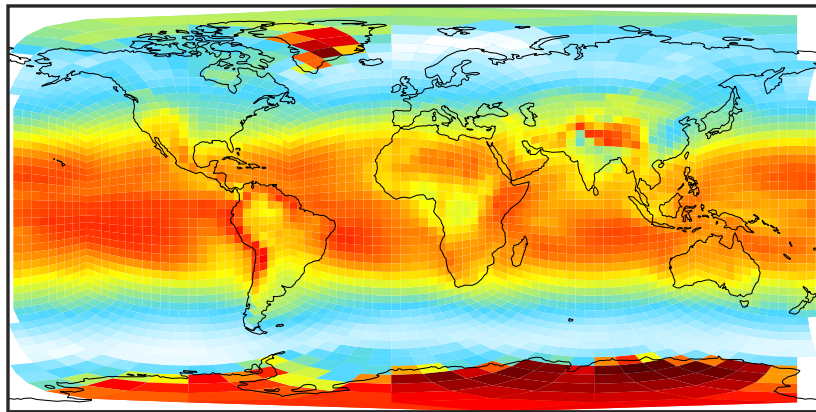
Ratio  
Dev/Ref, Fixed Range





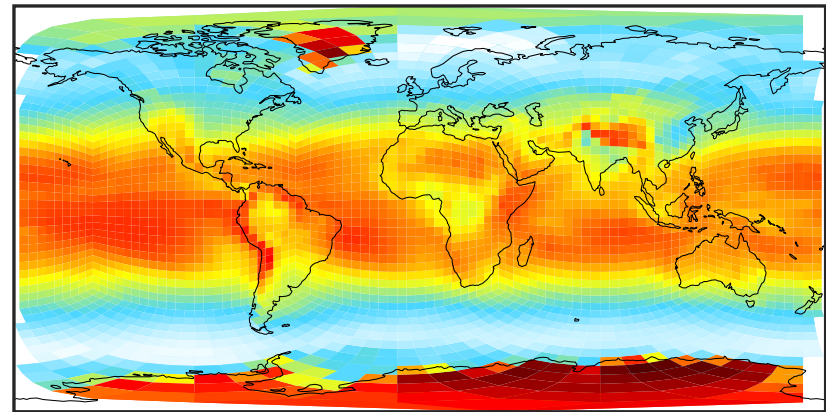
# Jval\_HPALD1 (AnnualMean)

GCHP\_14.0.0 (Ref)  
c24



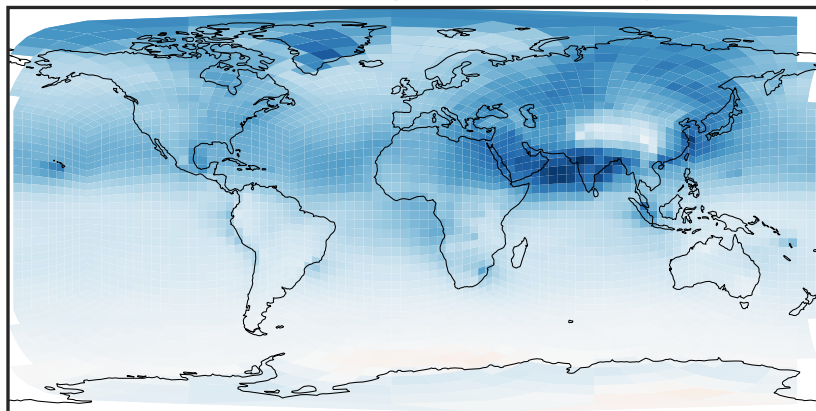
0.00006 0.00009 0.00012  
s-1

GCHP\_14.2.0 (Dev)  
c24



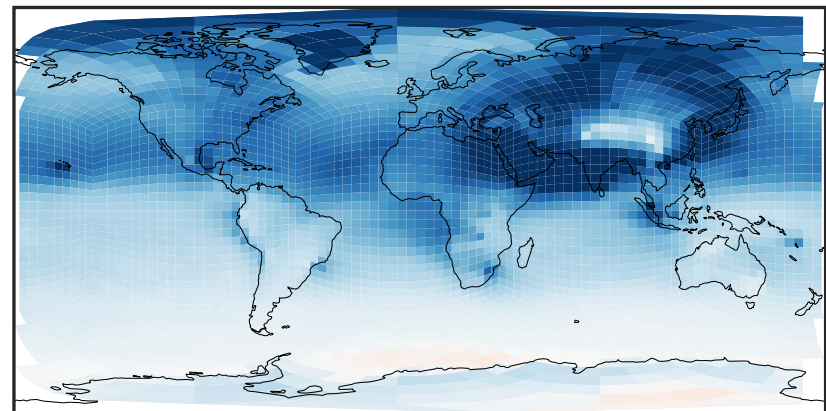
0.00006 0.00009 0.00012  
s-1

Difference  
Dev - Ref, Dynamic Range



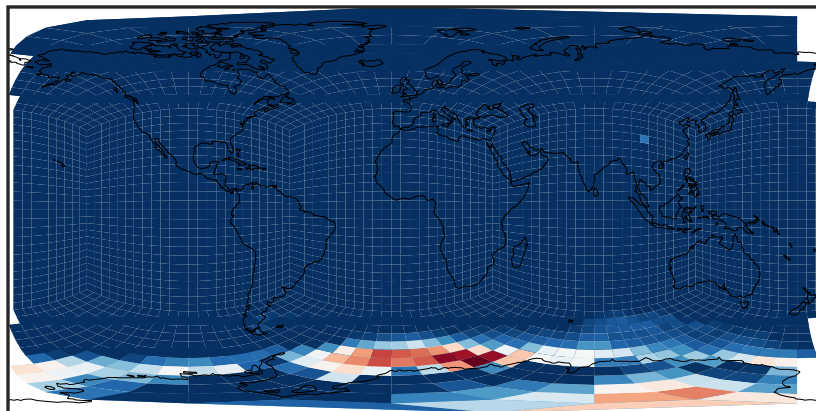
-2.5 0.0 2.5  
s-1 1e-7

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



-1.5 0.0 1.5  
s-1 1e-7

Ratio  
Dev/Ref, Dynamic Range



0.9995663 1.000000 1.0004339  
unitless

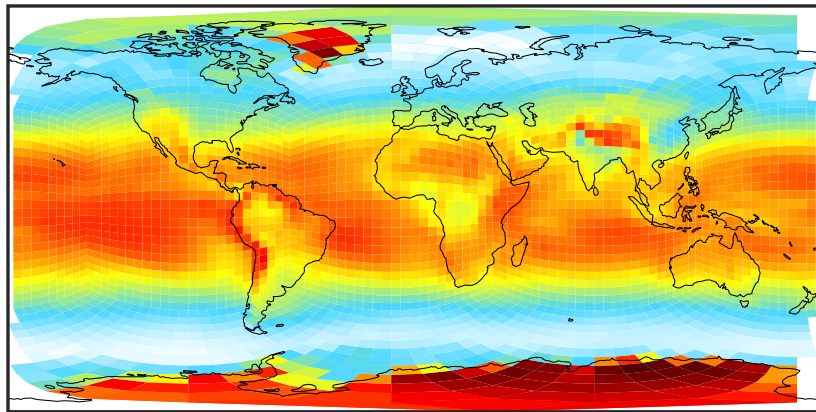
Ratio  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

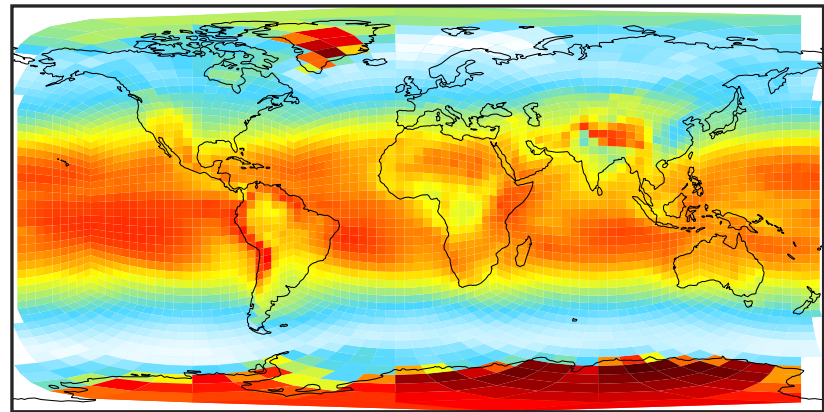
# Jval\_HPALD2 (AnnualMean)

GCHP\_14.0.0 (Ref)  
c24



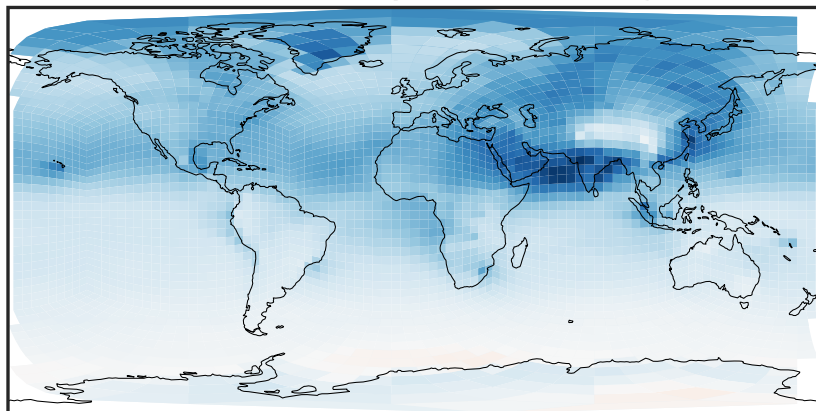
0.000050 0.000075 0.000100 0.000125  
s-1

GCHP\_14.2.0 (Dev)  
c24



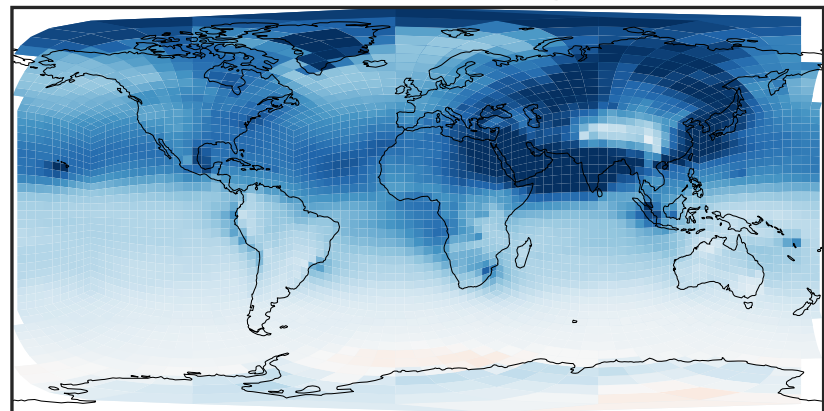
0.000050 0.000075 0.000100 0.000125  
s-1

Difference  
Dev - Ref, Dynamic Range



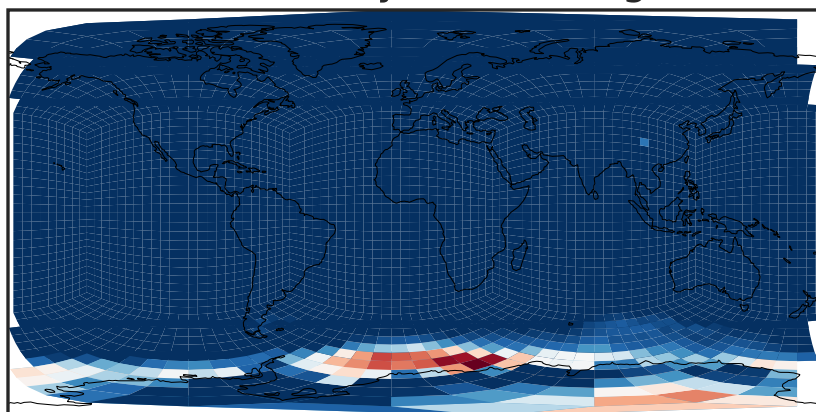
-2.5 0.0 2.5  
s-1 1e-7

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



-1.5 0.0 1.5  
s-1 1e-7

Ratio  
Dev/Ref, Dynamic Range



0.9995657 1.000000 1.0004345  
unitless

Ratio  
Dev/Ref, Fixed Range

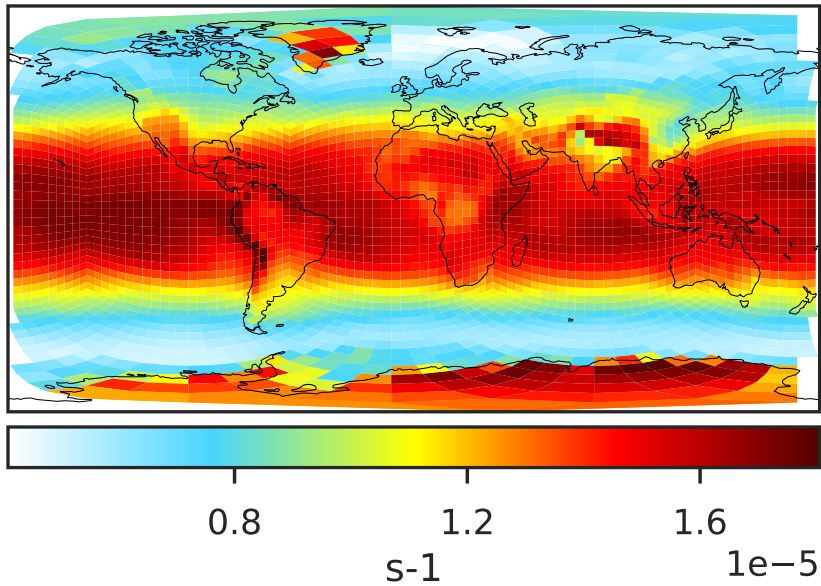


0.50 0.75 1.00 1.50 2.00  
unitless

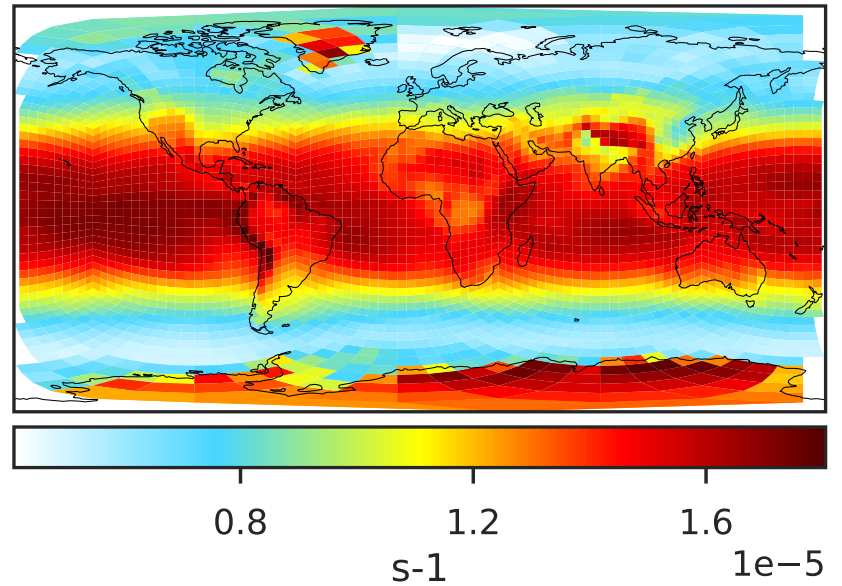


# Jval\_HPALD3 (AnnualMean)

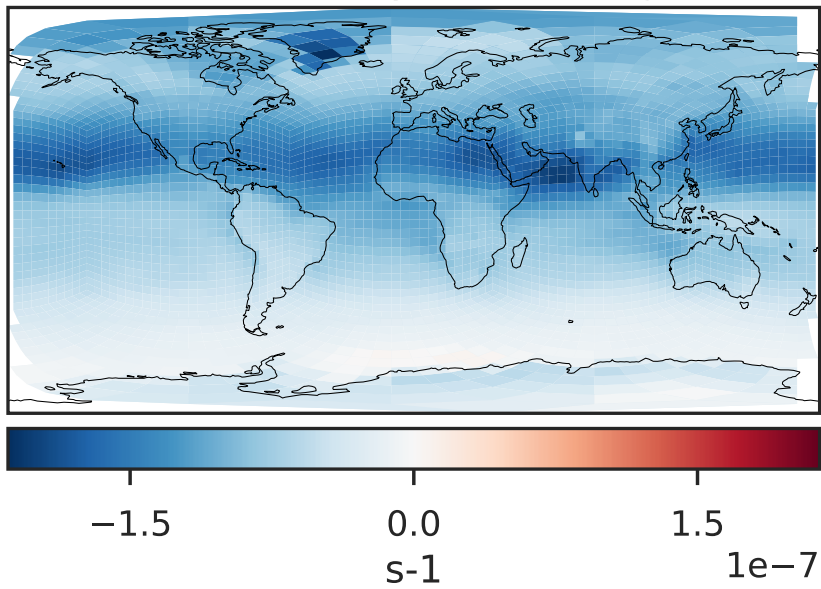
GCHP\_14.0.0 (Ref)  
c24



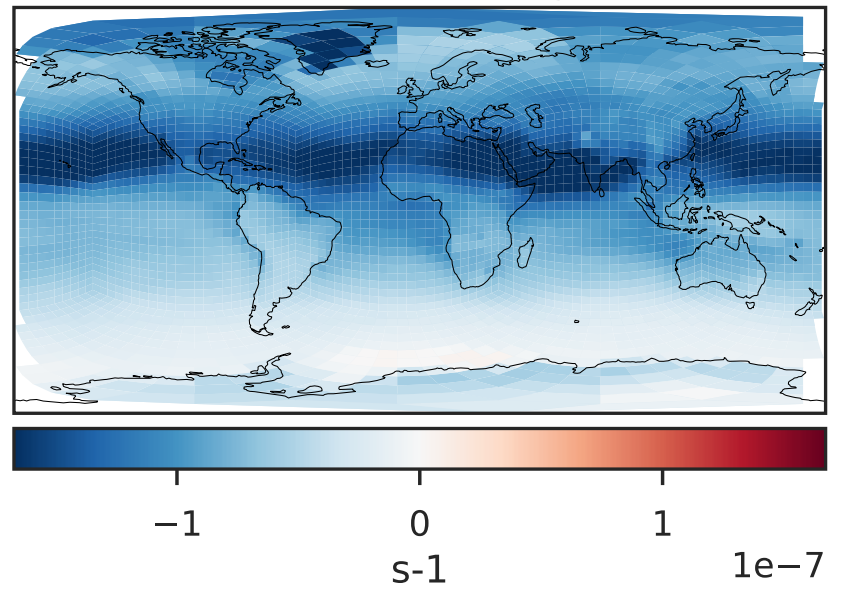
GCHP\_14.2.0 (Dev)  
c24



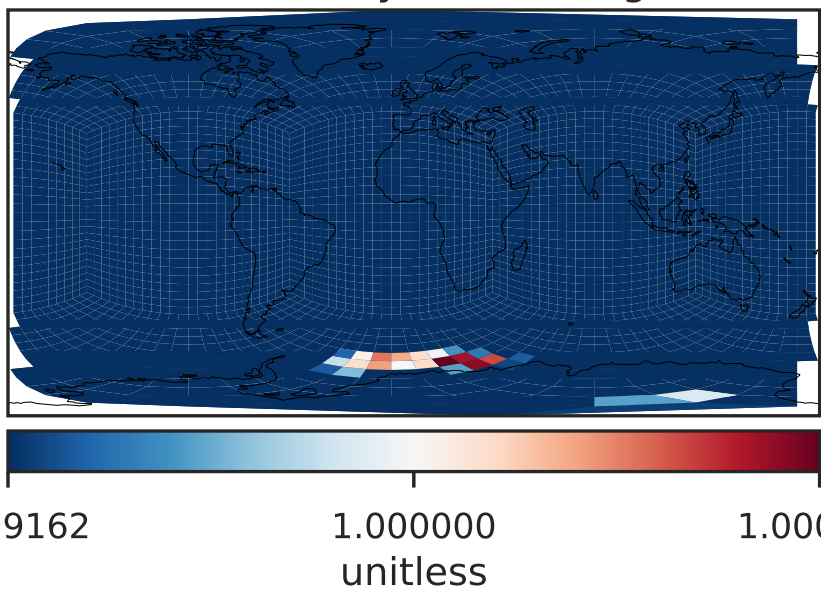
Difference  
Dev - Ref, Dynamic Range



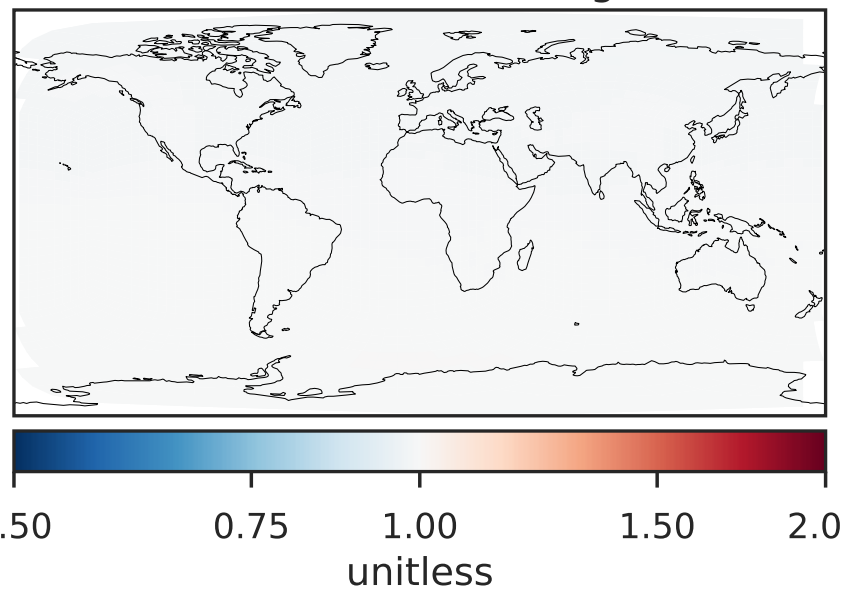
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



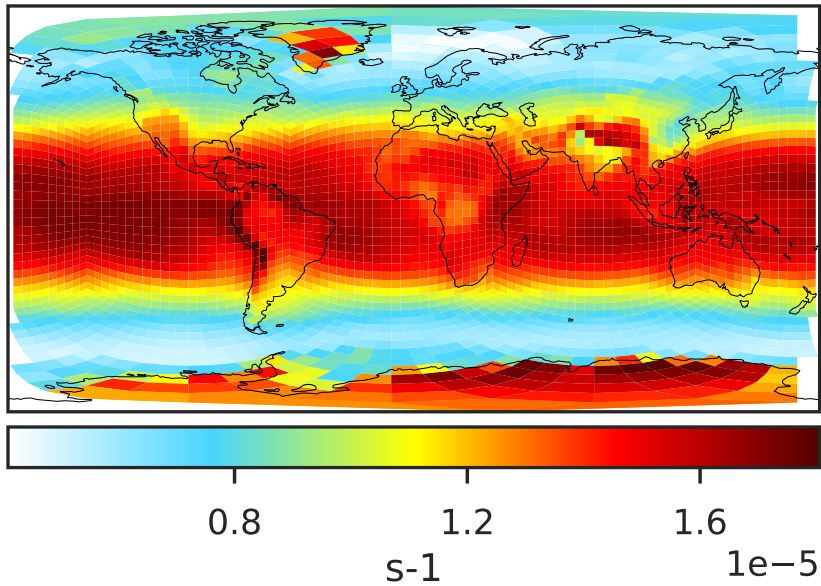
Ratio  
Dev/Ref, Fixed Range



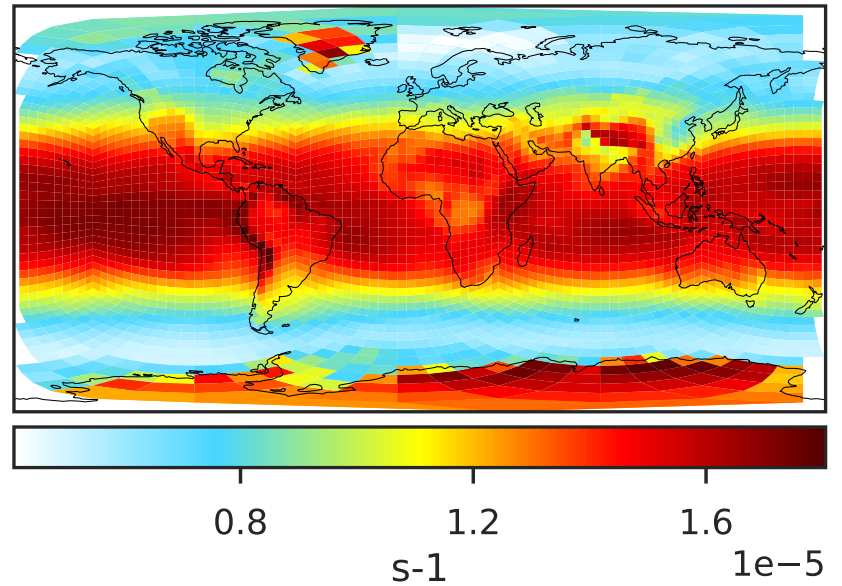


# Jval\_HPALD4 (AnnualMean)

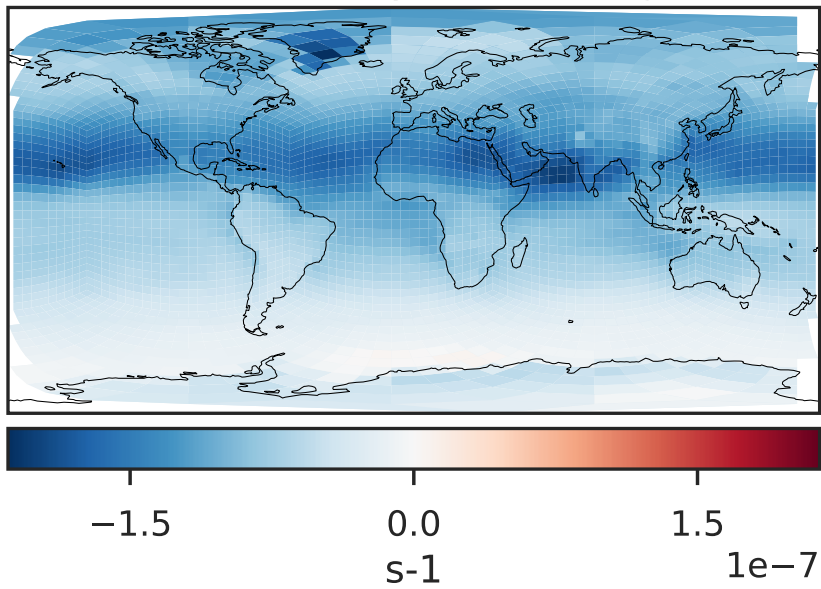
GCHP\_14.0.0 (Ref)  
c24



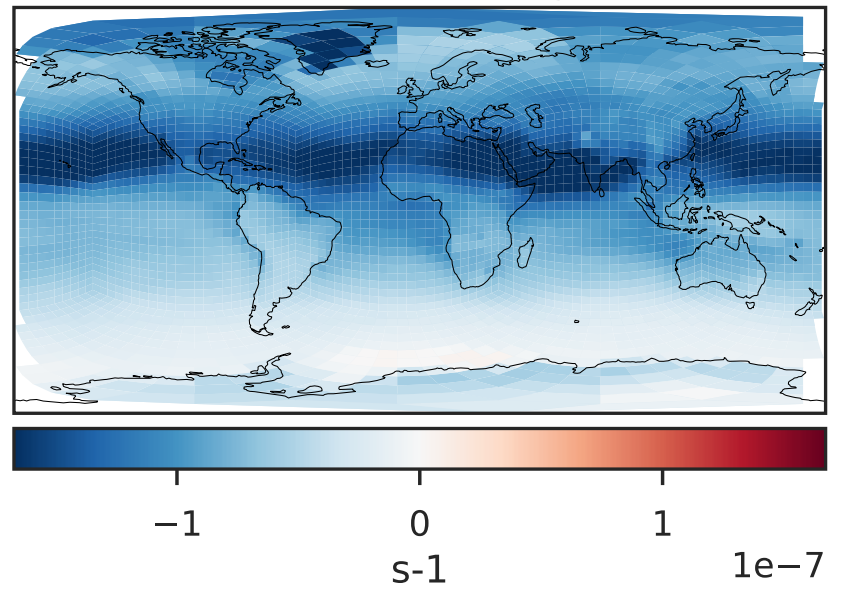
GCHP\_14.2.0 (Dev)  
c24



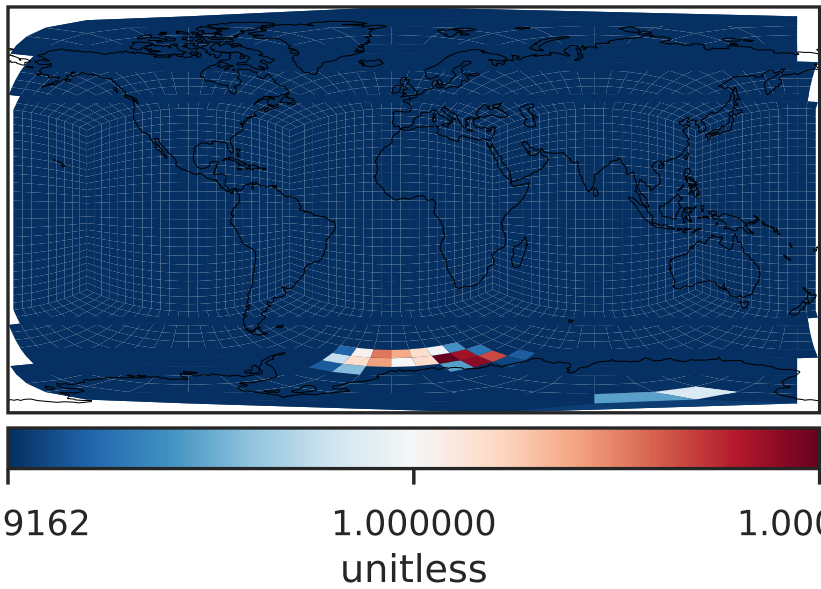
Difference  
Dev - Ref, Dynamic Range



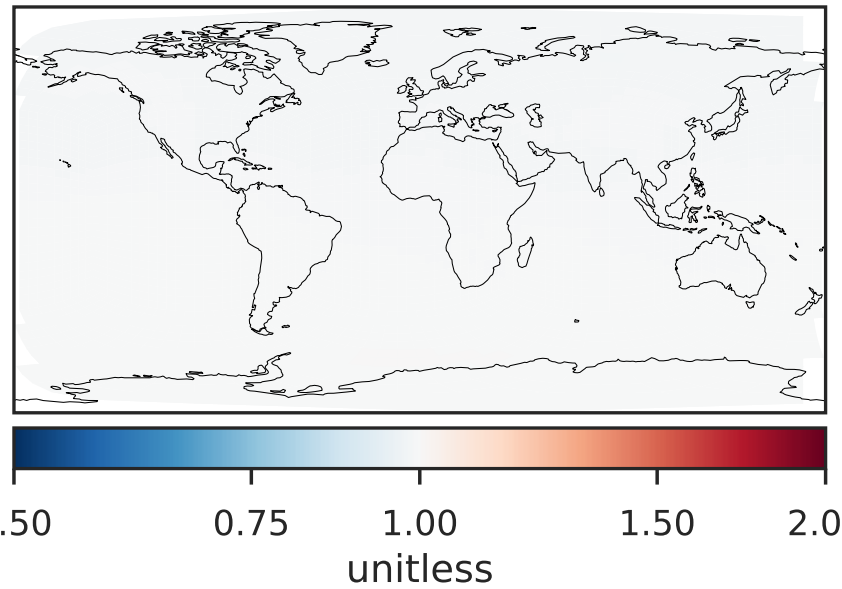
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

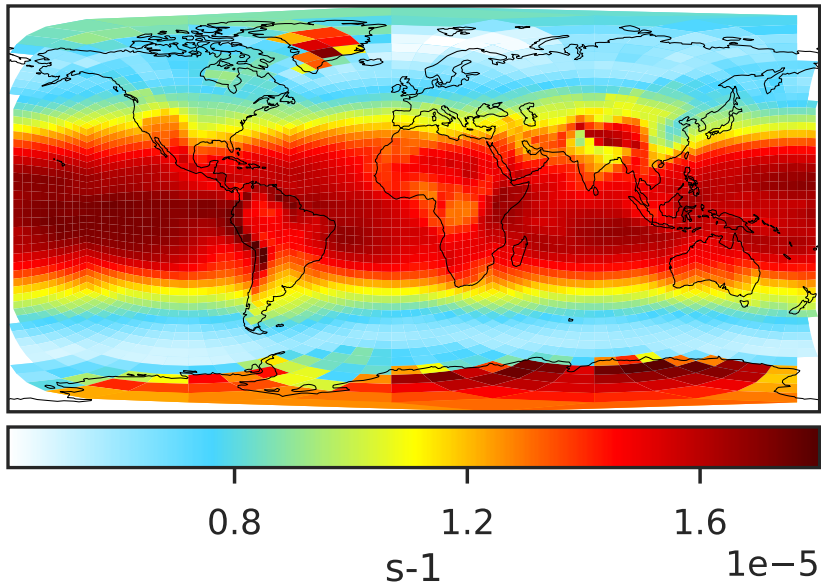


Ratio  
Dev/Ref, Fixed Range

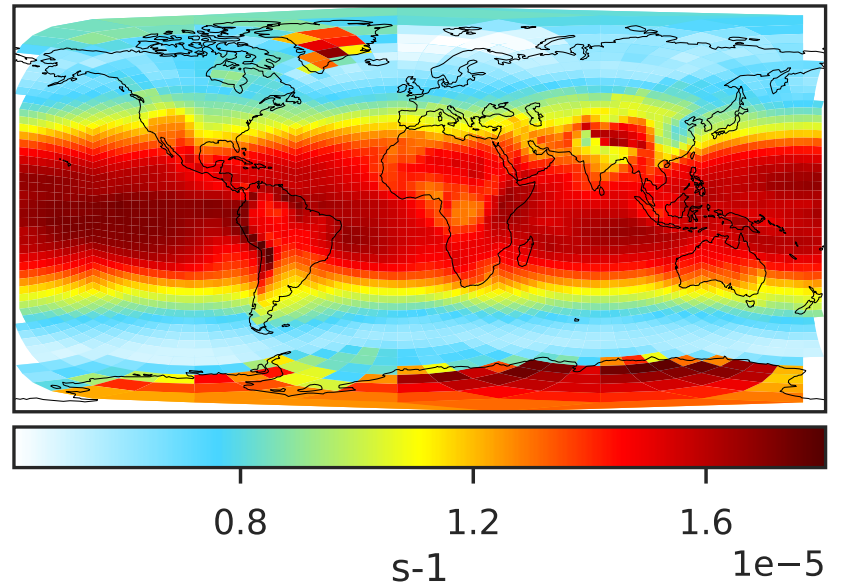


# Jval\_HPETHNL (AnnualMean)

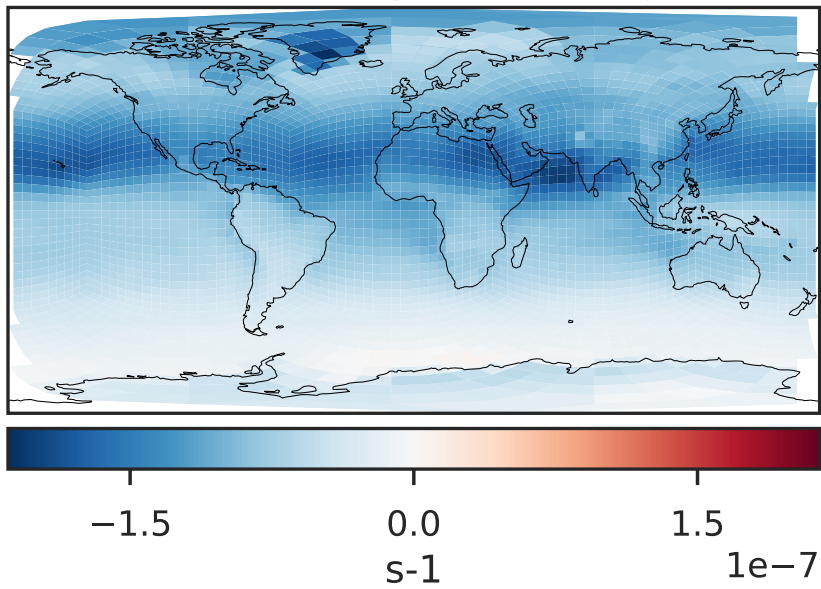
GCHP\_14.0.0 (Ref)  
c24



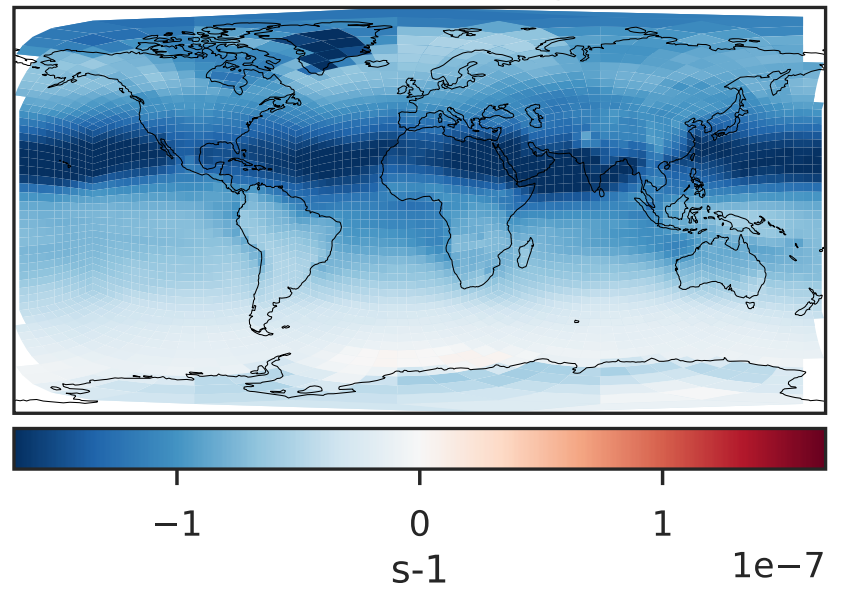
GCHP\_14.2.0 (Dev)  
c24



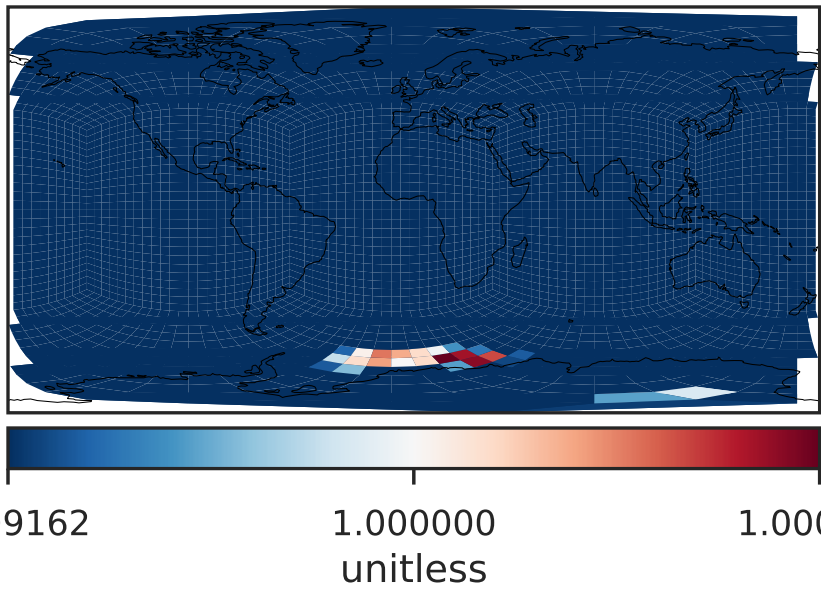
Difference  
Dev - Ref, Dynamic Range



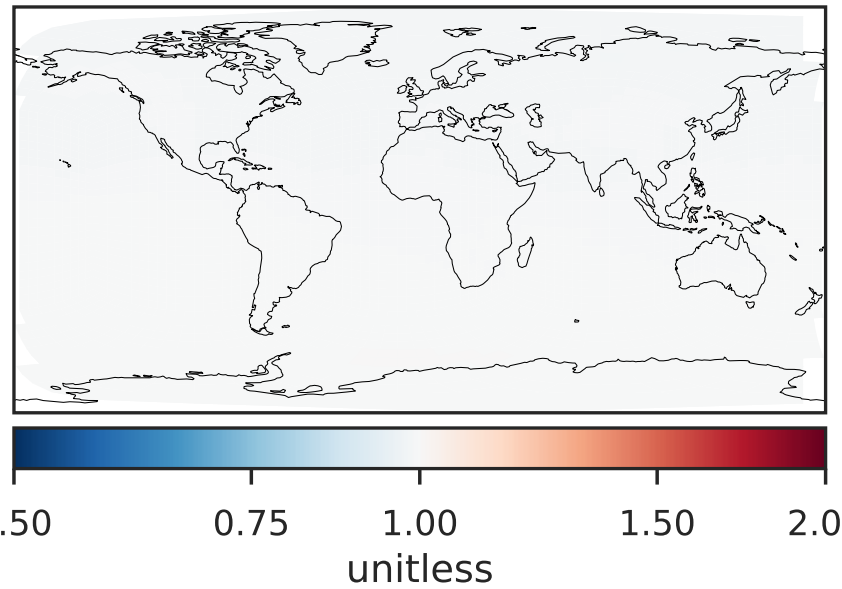
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



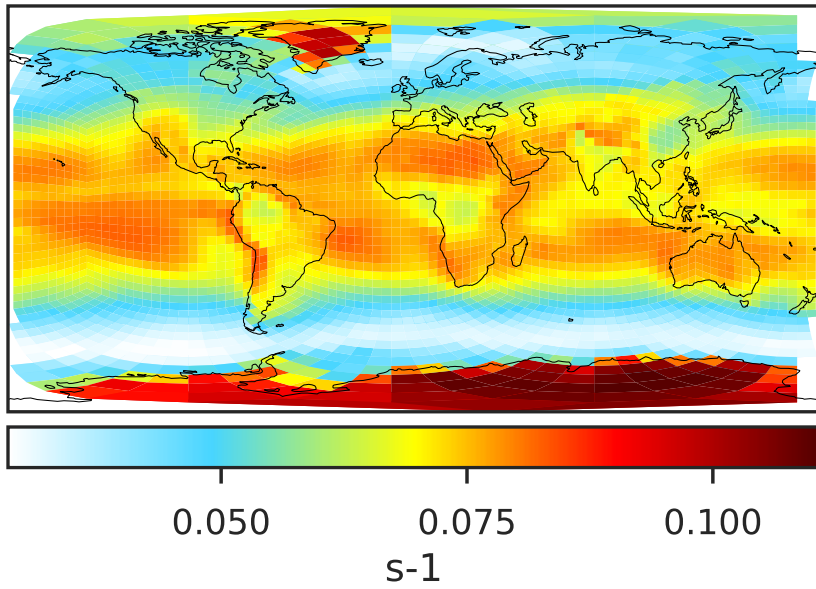
Ratio  
Dev/Ref, Fixed Range



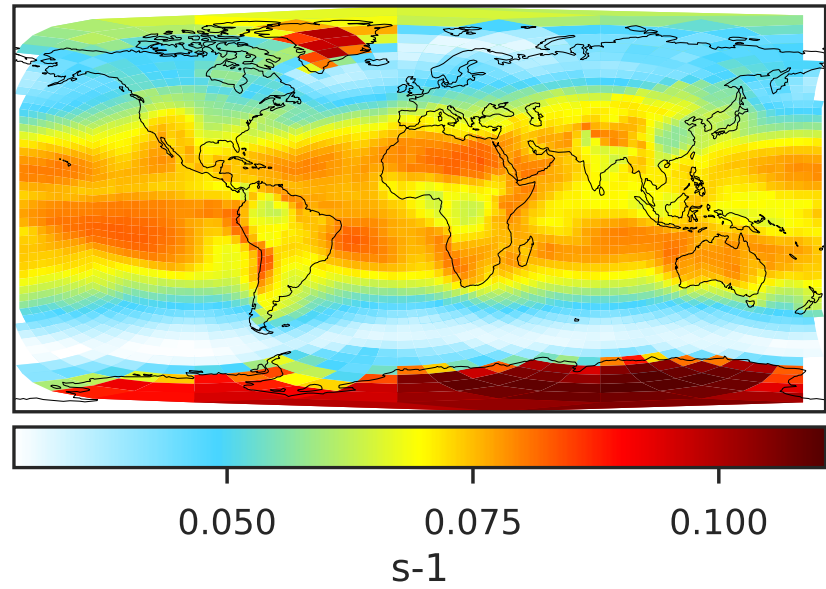


# Jval\_I2 (AnnualMean)

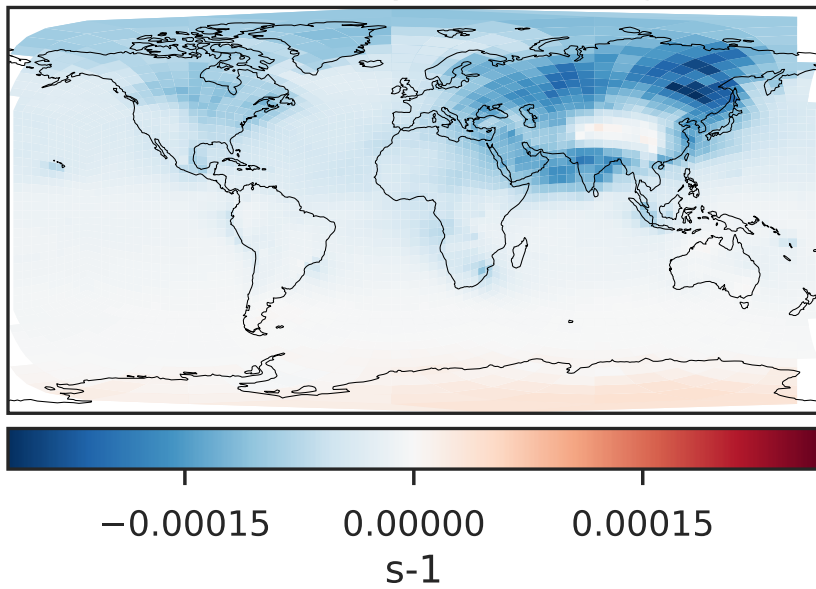
GCHP\_14.0.0 (Ref)  
c24



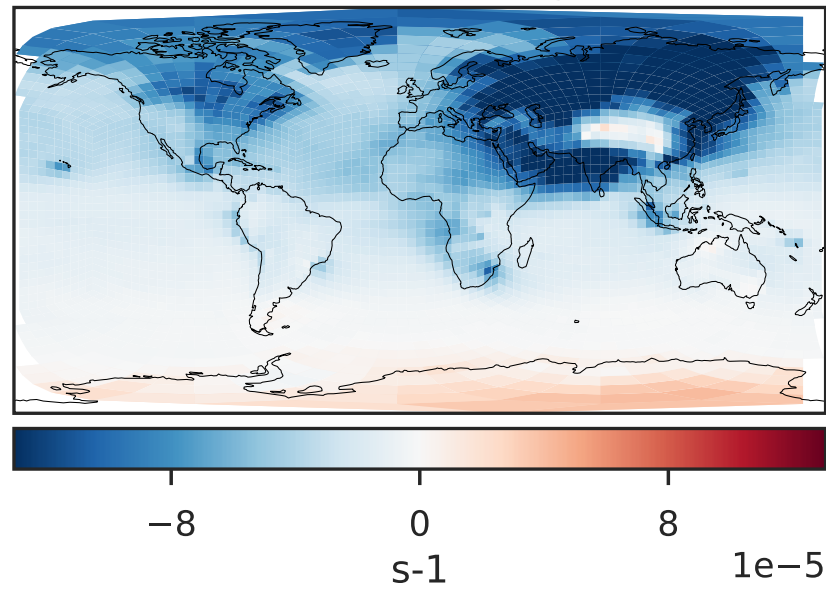
GCHP\_14.2.0 (Dev)  
c24



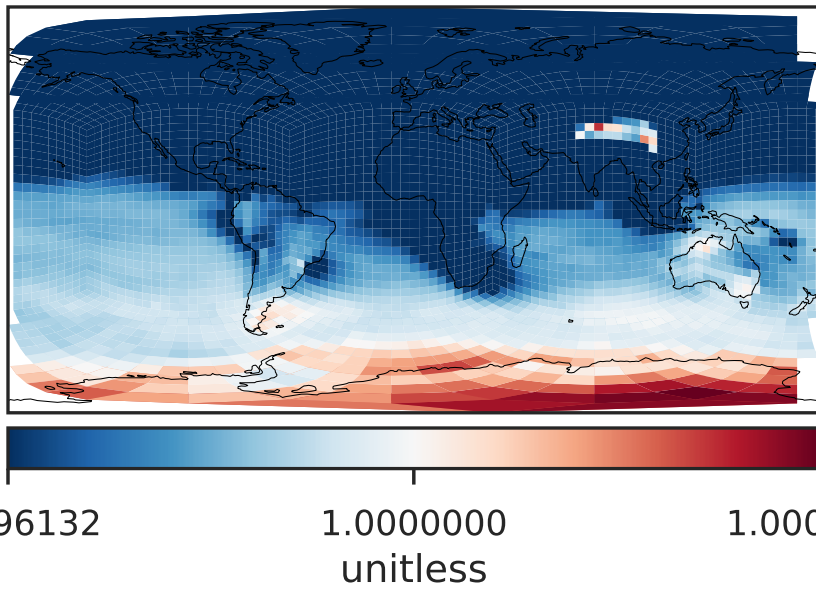
Difference  
Dev - Ref, Dynamic Range



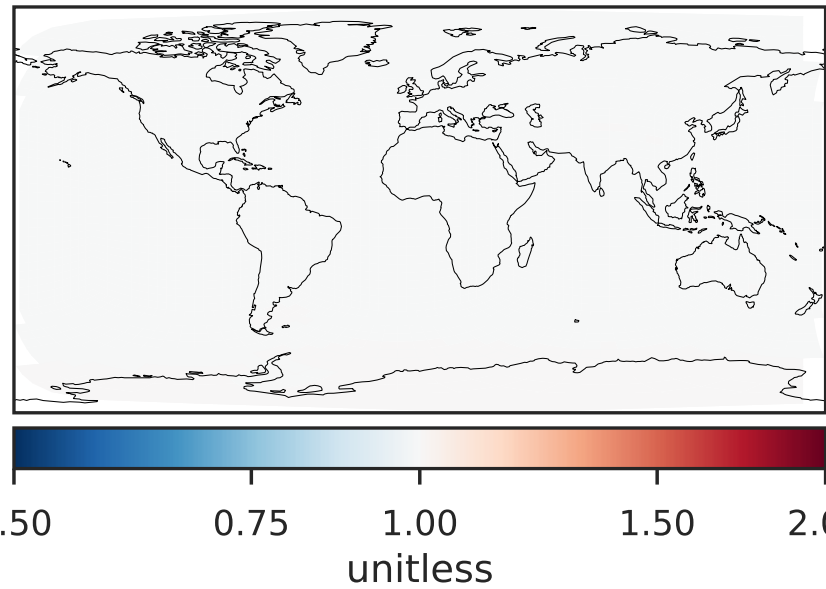
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



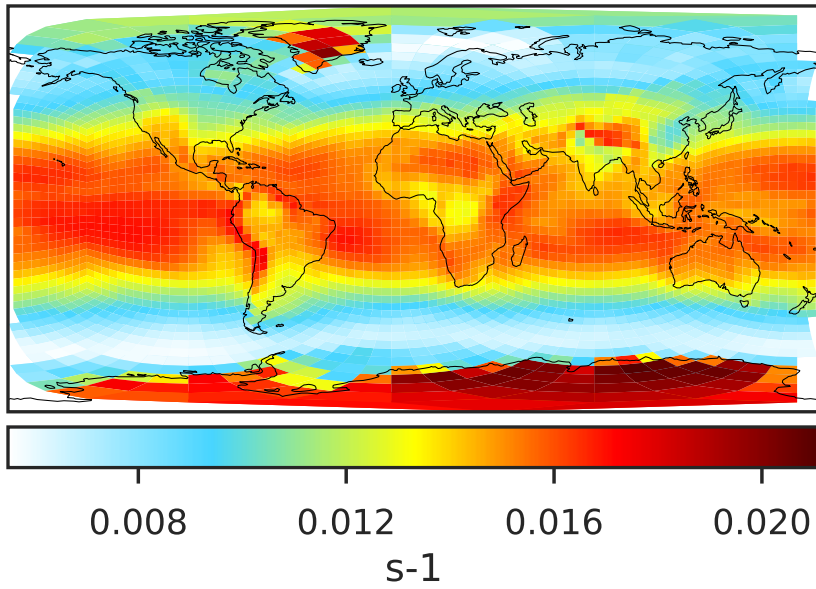
Ratio  
Dev/Ref, Fixed Range



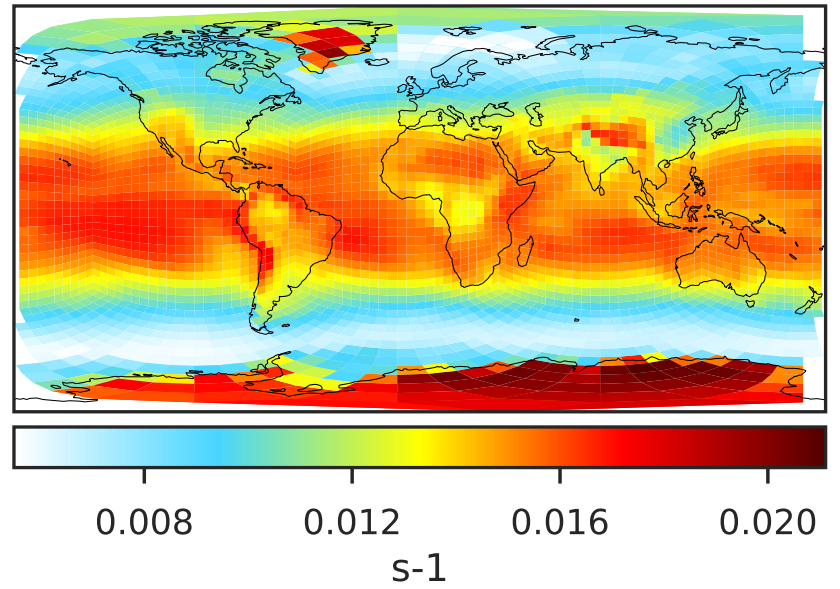


# Jval\_I2O2 (AnnualMean)

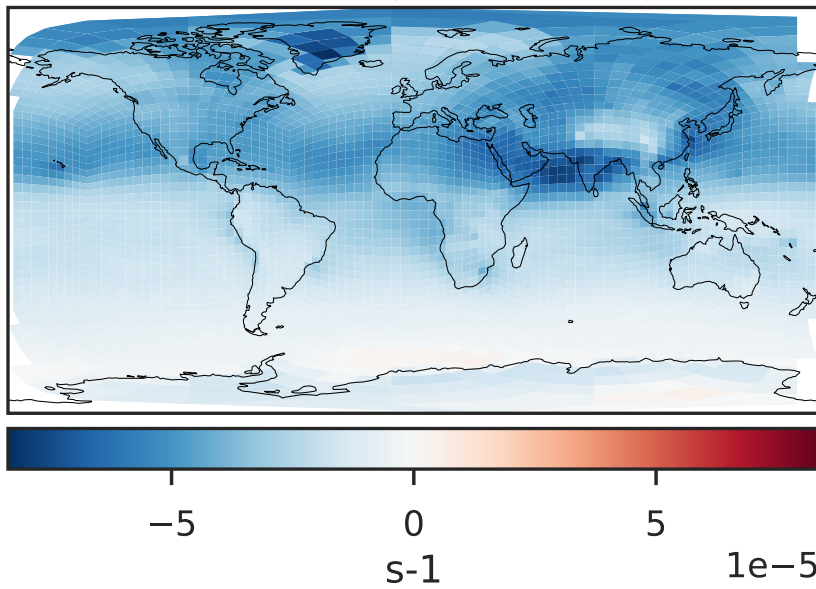
GCHP\_14.0.0 (Ref)  
c24



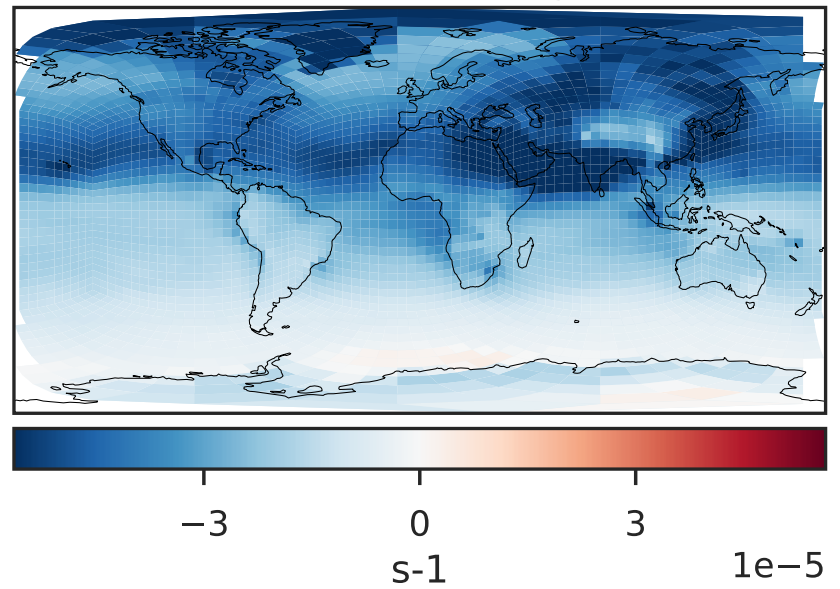
GCHP\_14.2.0 (Dev)  
c24



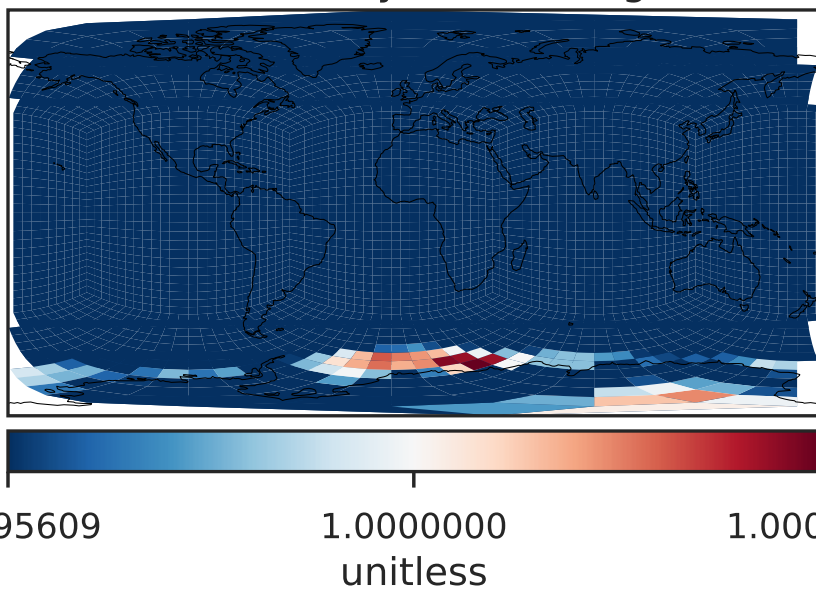
Difference  
Dev - Ref, Dynamic Range



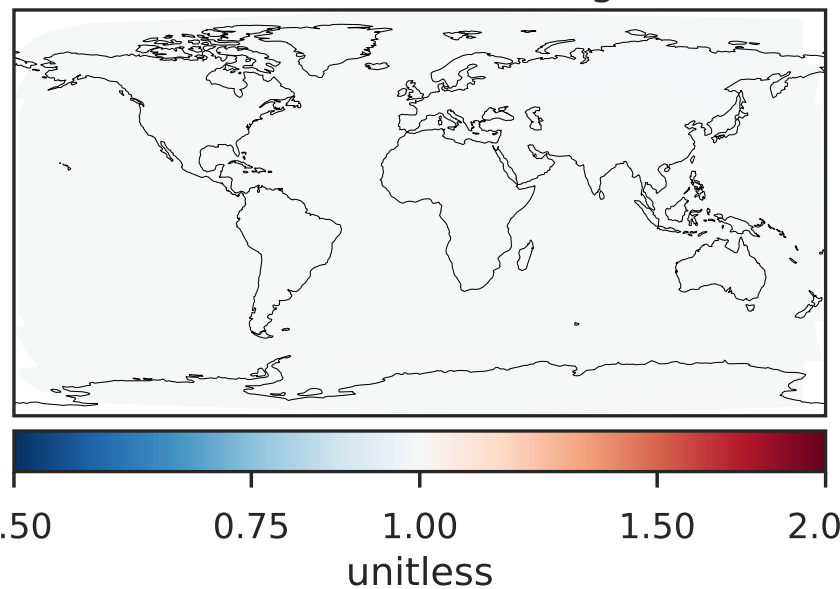
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

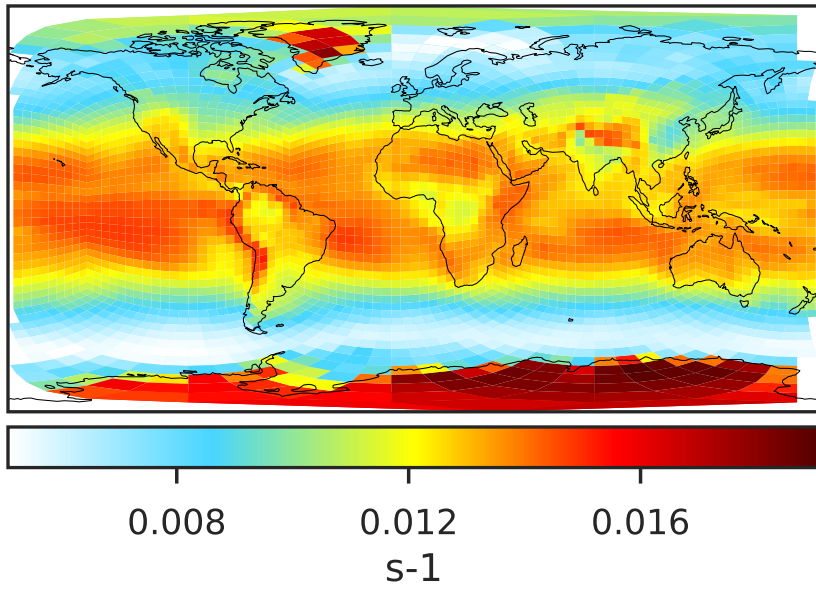


Ratio  
Dev/Ref, Fixed Range

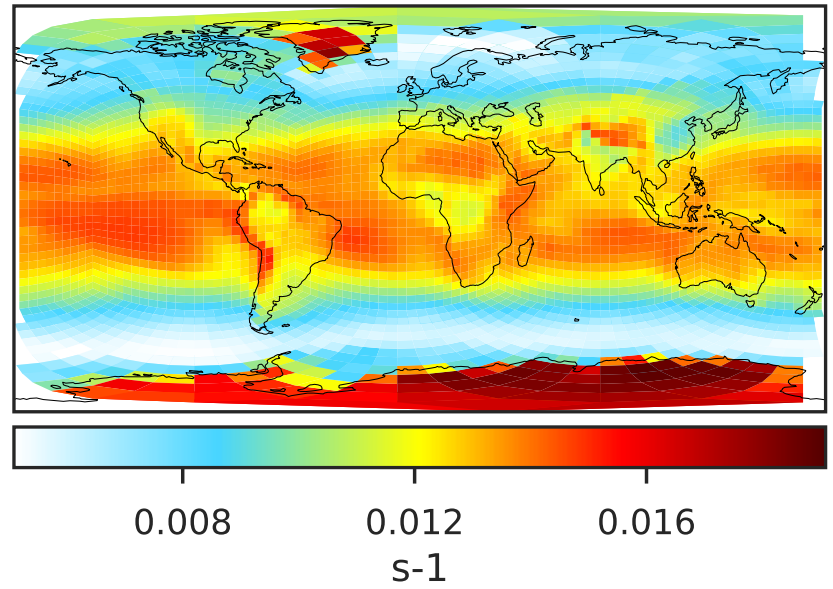


# Jval\_I203 (AnnualMean)

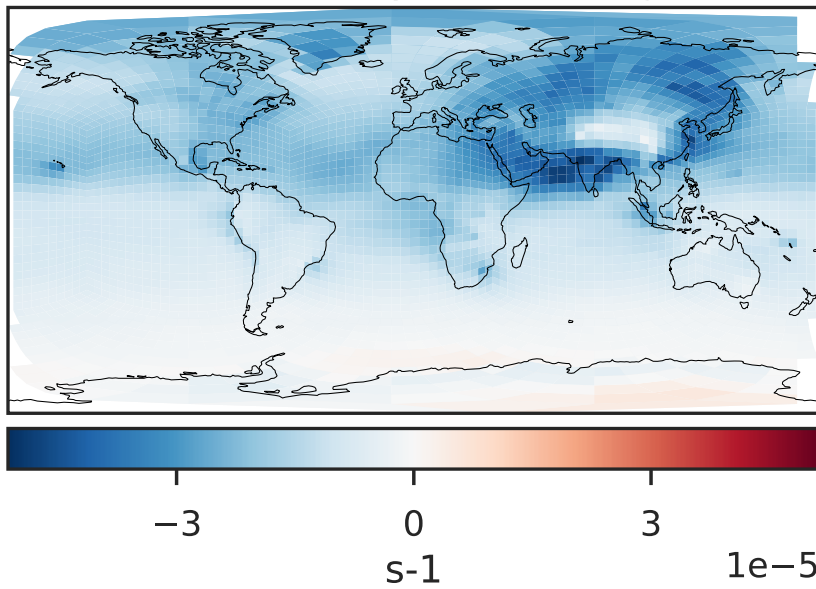
GCHP\_14.0.0 (Ref)  
c24



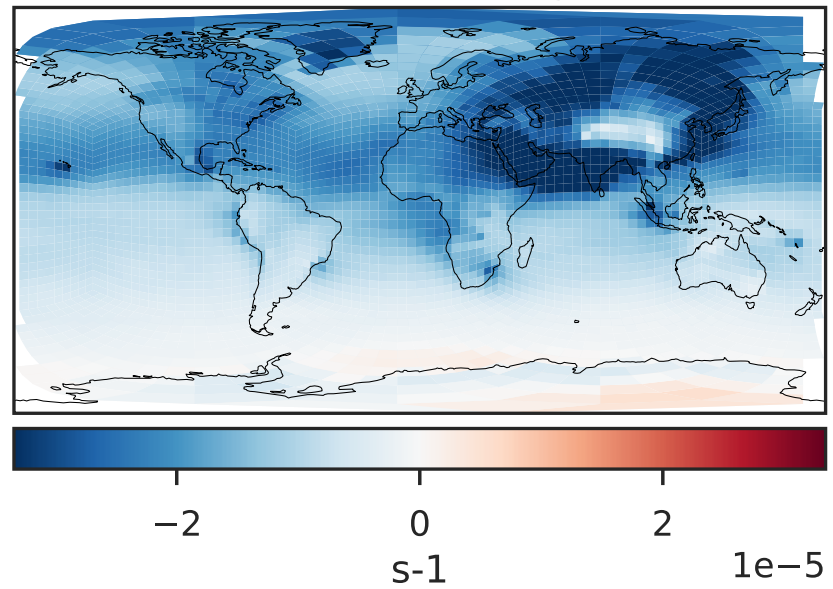
GCHP\_14.2.0 (Dev)  
c24



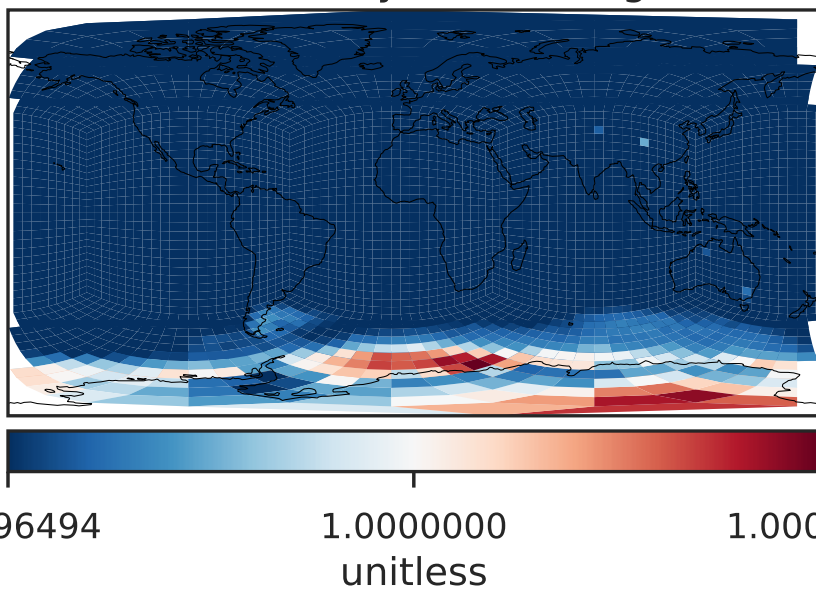
Difference  
Dev - Ref, Dynamic Range



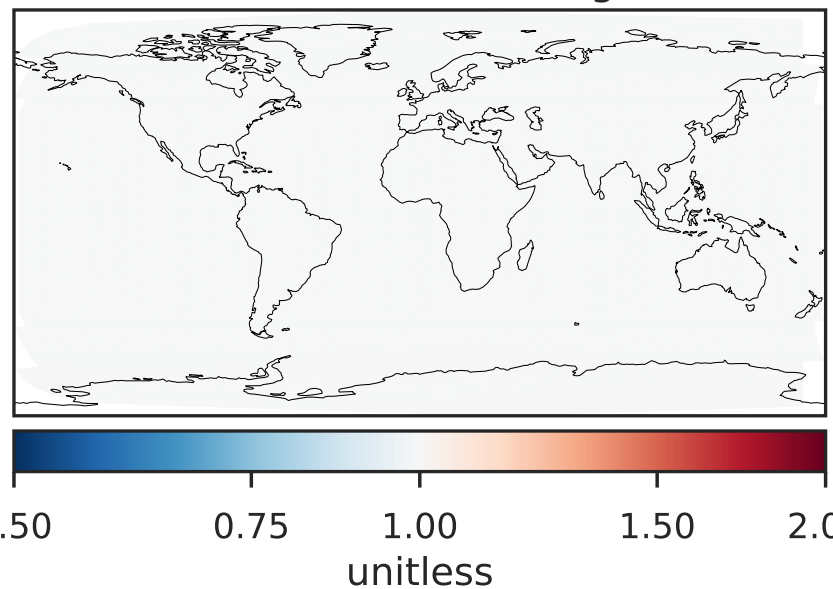
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



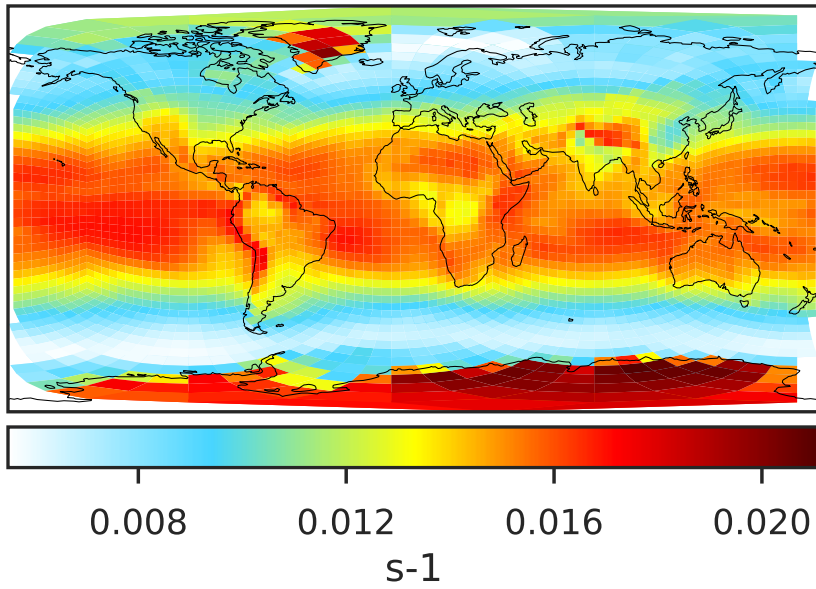
Ratio  
Dev/Ref, Fixed Range



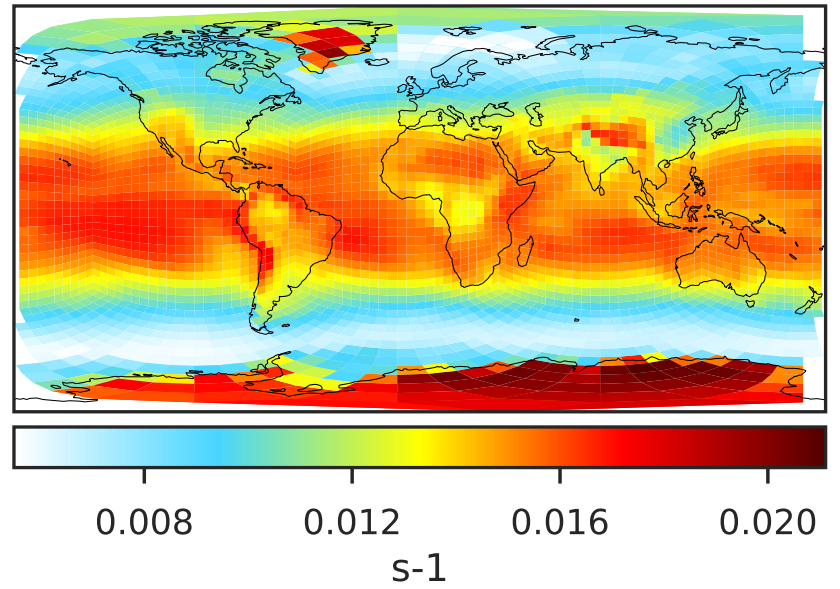


# Jval\_I2O4 (AnnualMean)

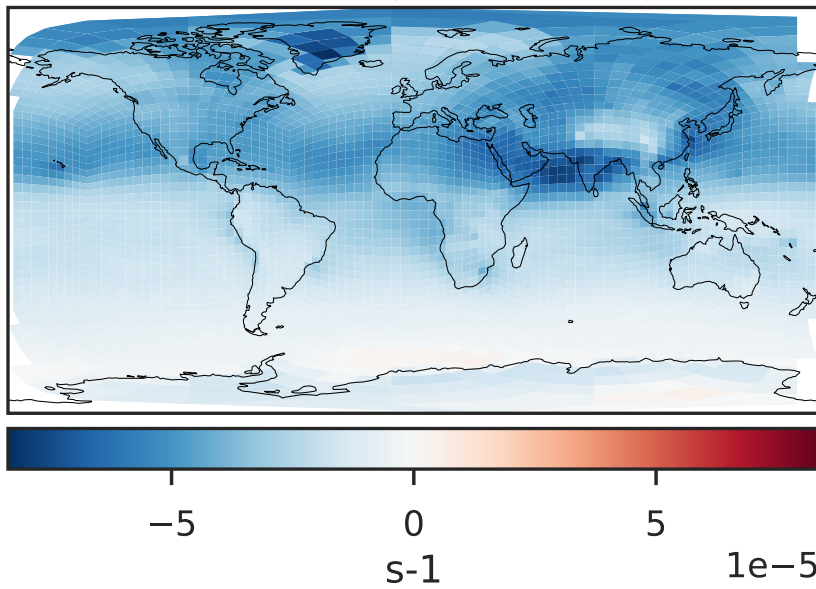
GCHP\_14.0.0 (Ref)  
c24



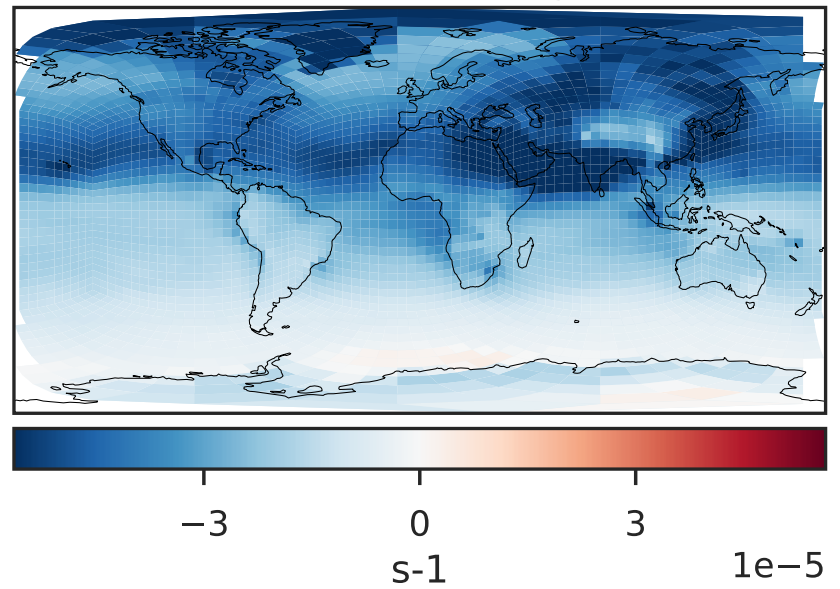
GCHP\_14.2.0 (Dev)  
c24



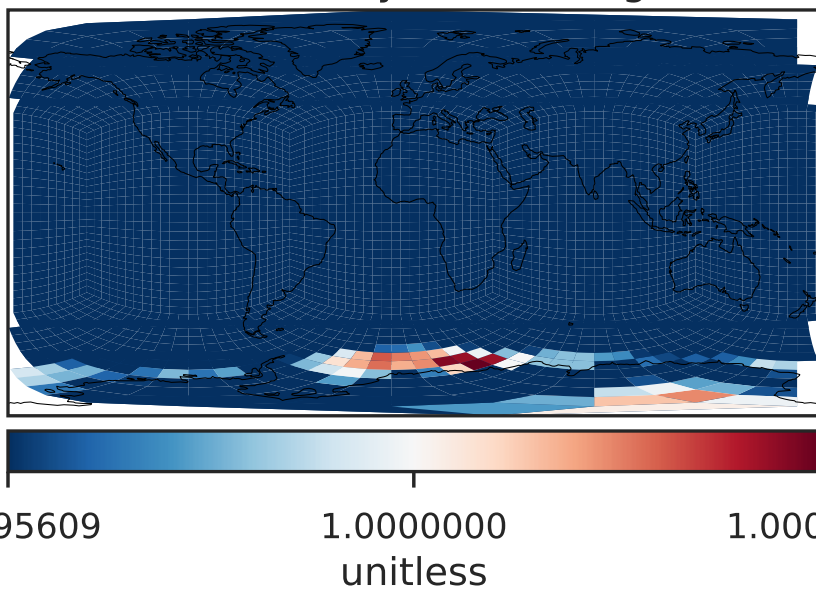
Difference  
Dev - Ref, Dynamic Range



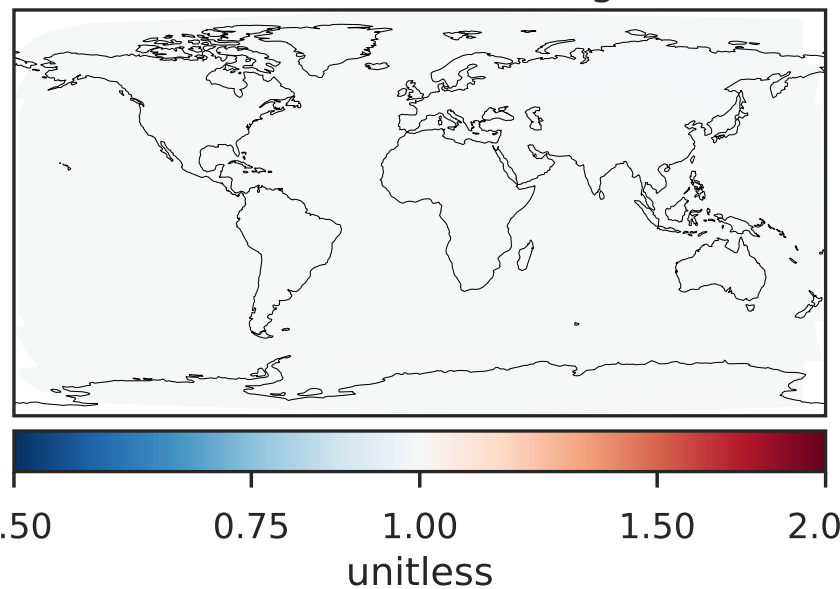
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



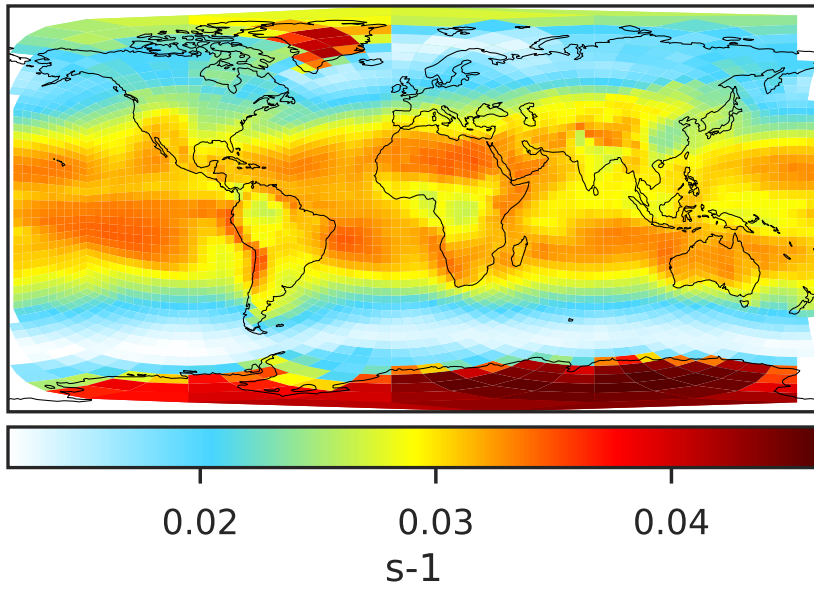
Ratio  
Dev/Ref, Fixed Range



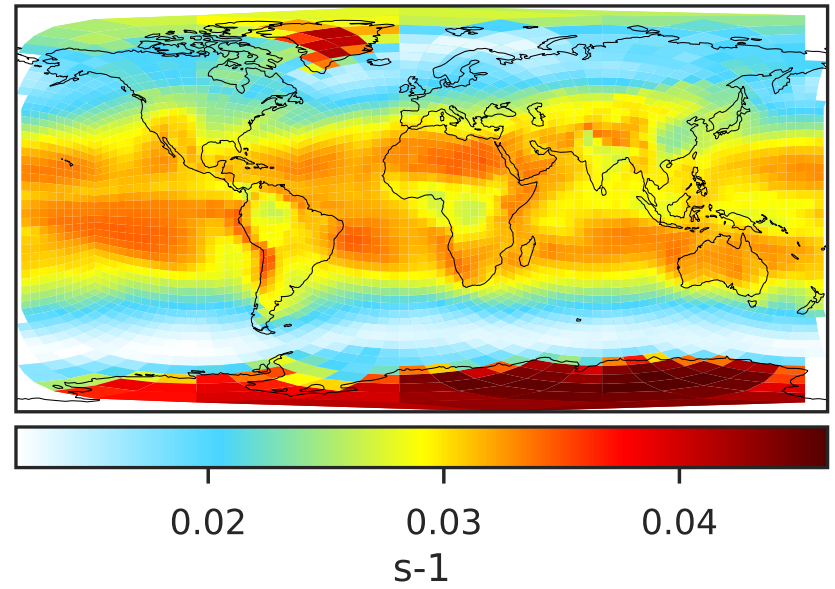


# Jval\_IBr (AnnualMean)

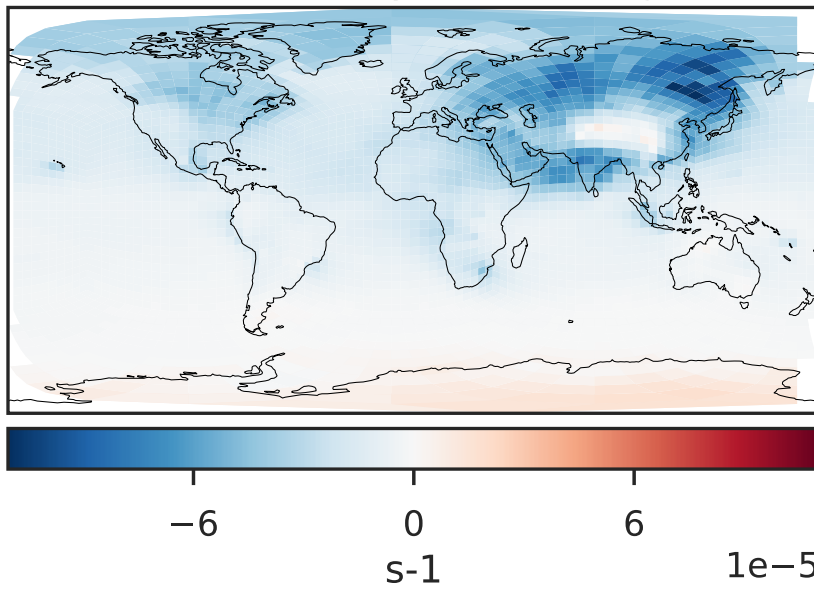
GCHP\_14.0.0 (Ref)  
c24



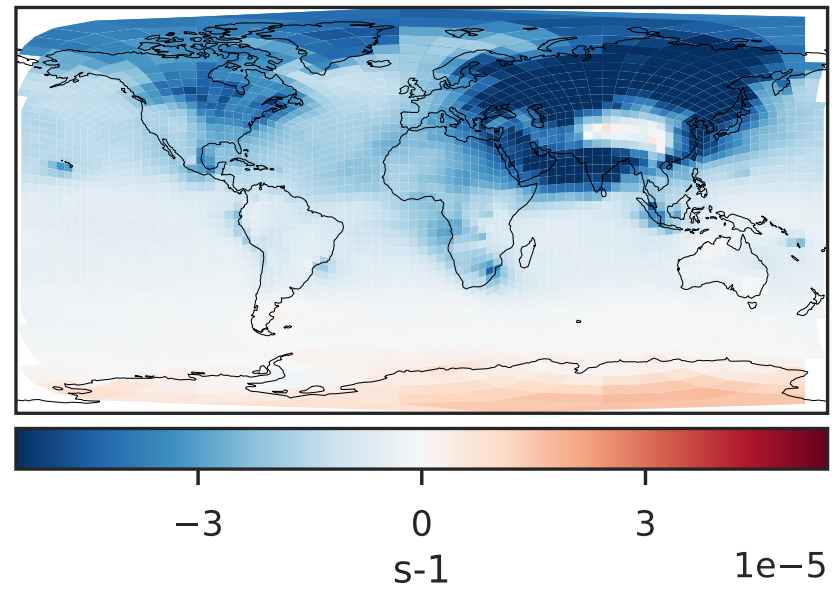
GCHP\_14.2.0 (Dev)  
c24



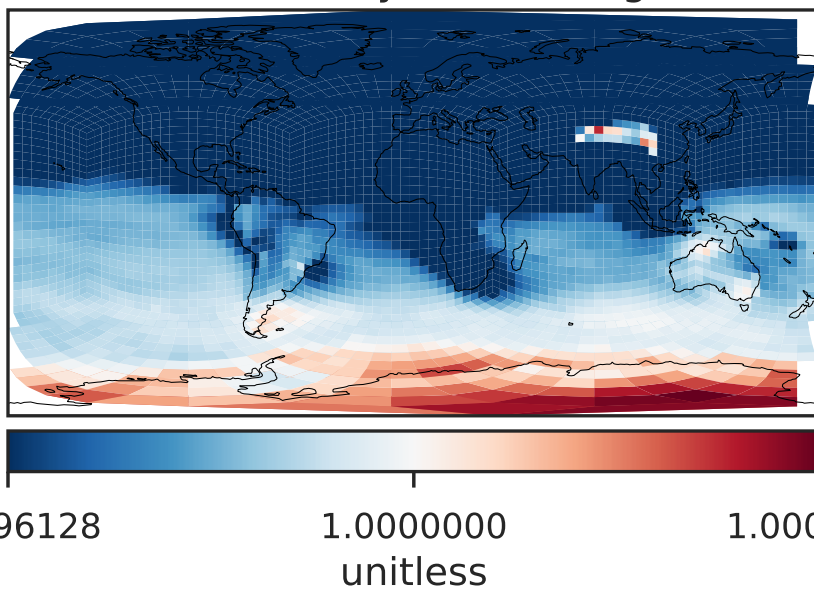
Difference  
Dev - Ref, Dynamic Range



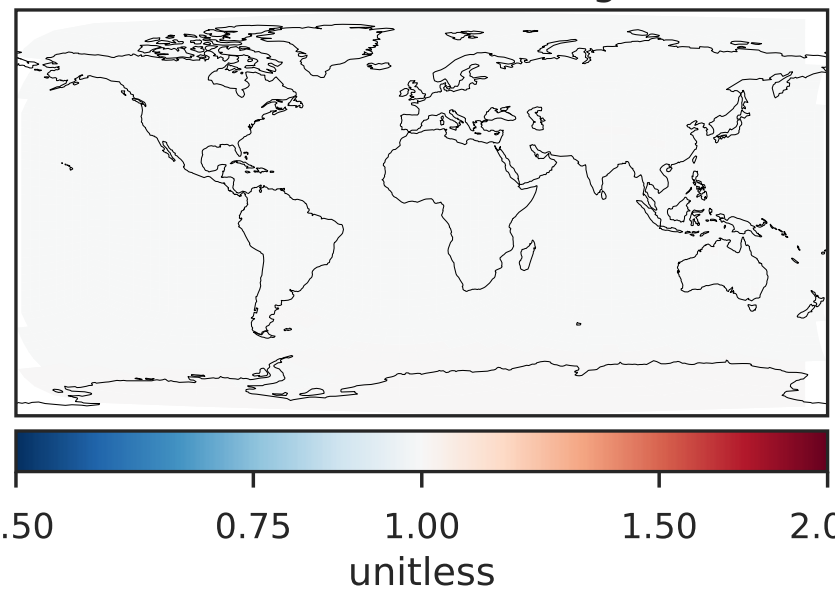
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

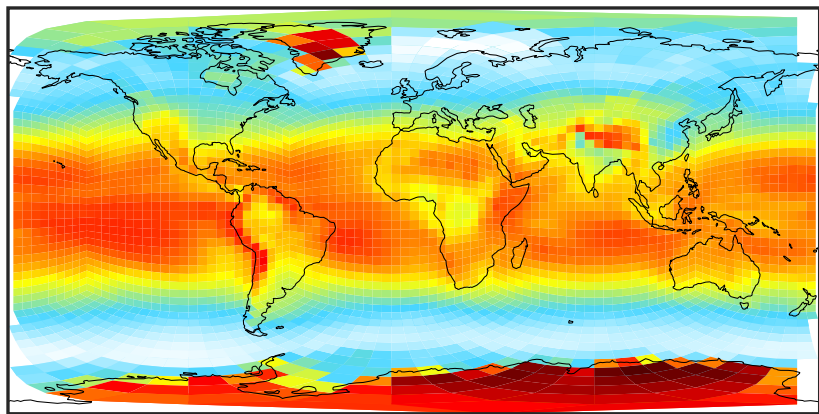


Ratio  
Dev/Ref, Fixed Range



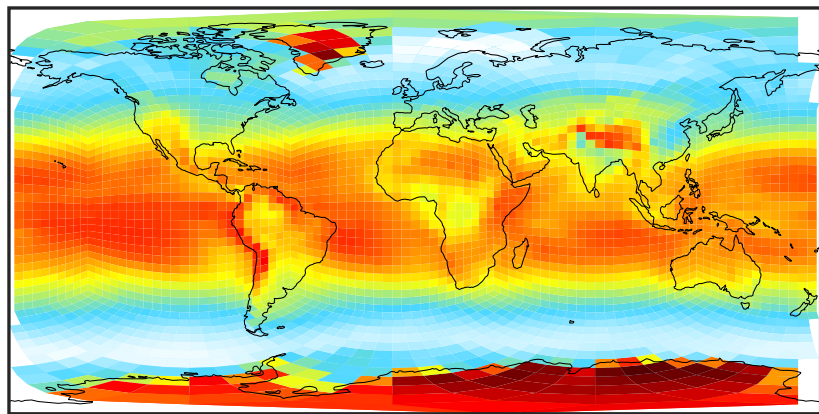
# Jval\_ICN (AnnualMean)

GCHP\_14.0.0 (Ref)  
c24



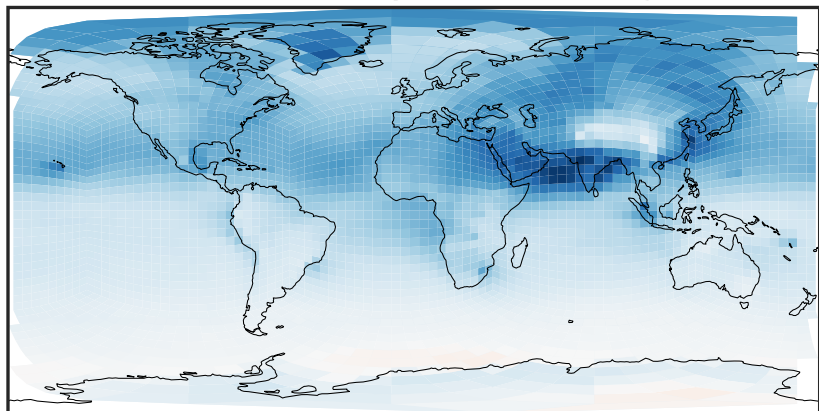
0.000050 0.000075 0.000100 0.000125  
s-1

GCHP\_14.2.0 (Dev)  
c24



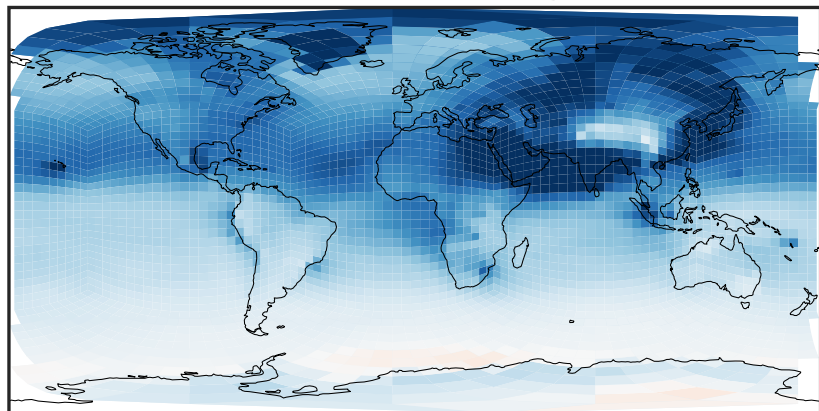
0.000050 0.000075 0.000100 0.000125  
s-1

Difference  
Dev - Ref, Dynamic Range



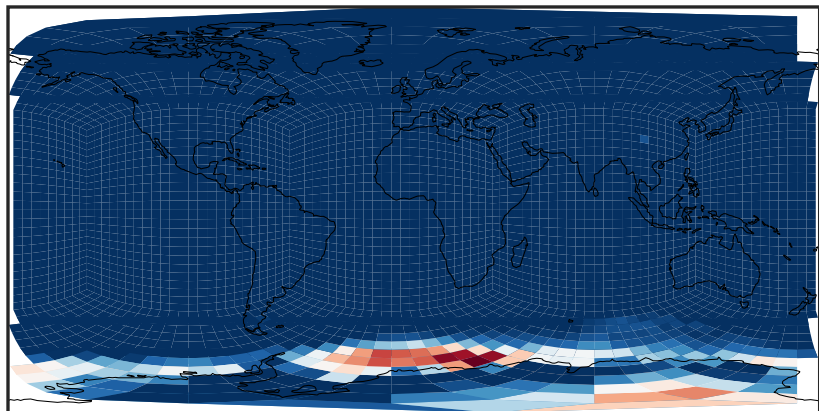
-2.5 0.0 2.5  
s-1 1e-7

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



-1.5 0.0 1.5  
s-1 1e-7

Ratio  
Dev/Ref, Dynamic Range



0.9995644 1.000000 1.0004358  
unitless

Ratio  
Dev/Ref, Fixed Range

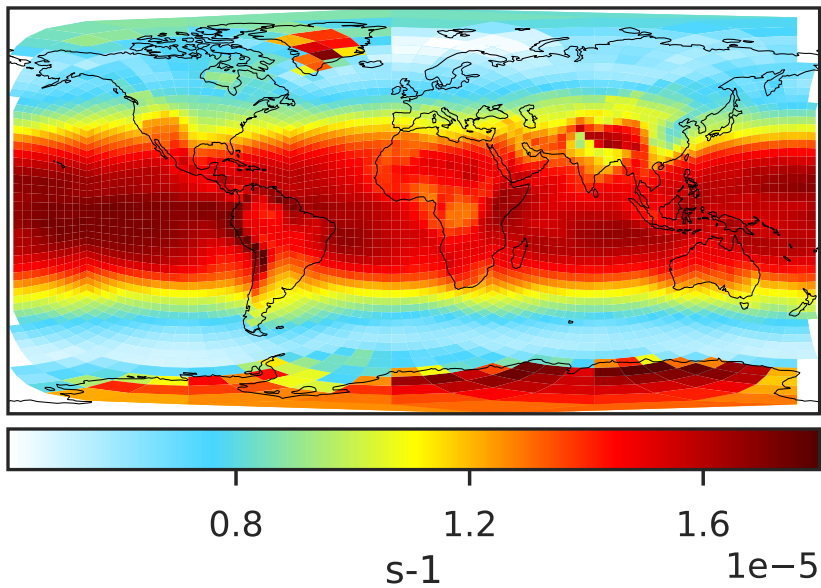


0.50 0.75 1.00 1.50 2.00  
unitless

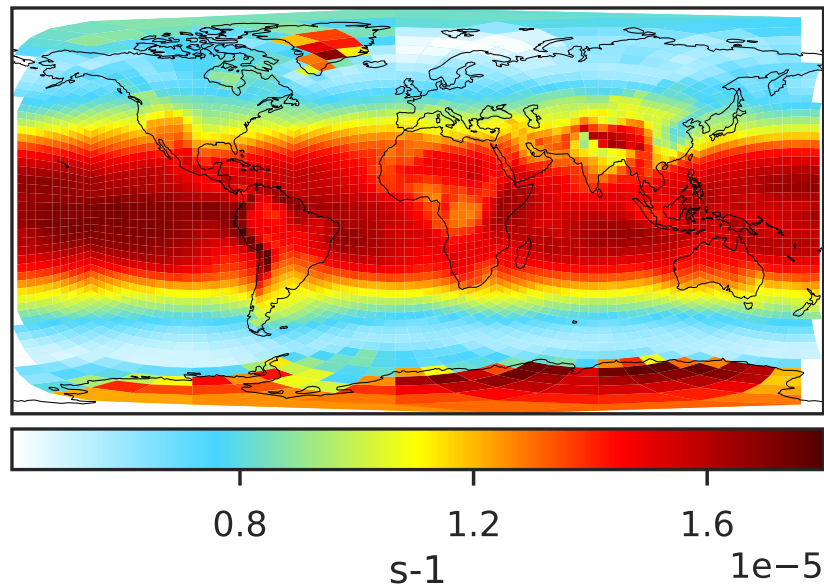


# Jval\_ICPDH (AnnualMean)

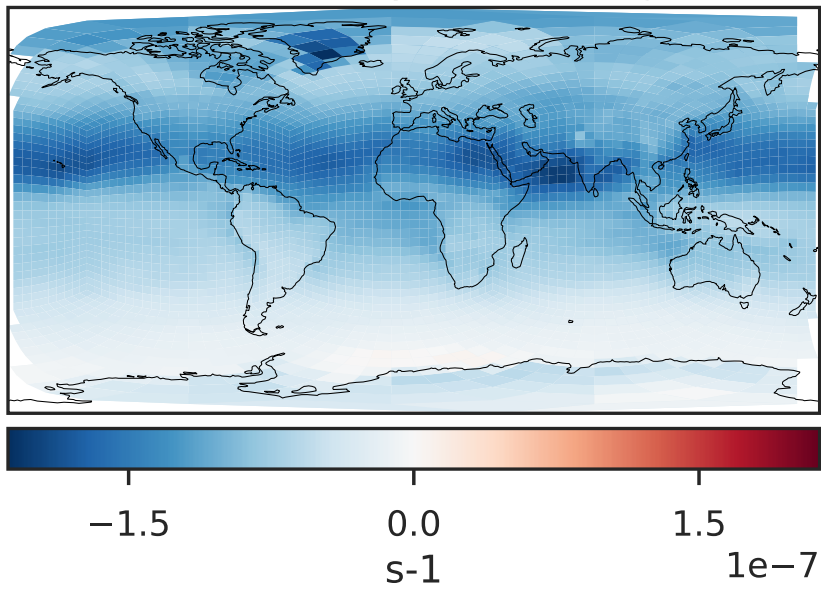
GCHP\_14.0.0 (Ref)  
c24



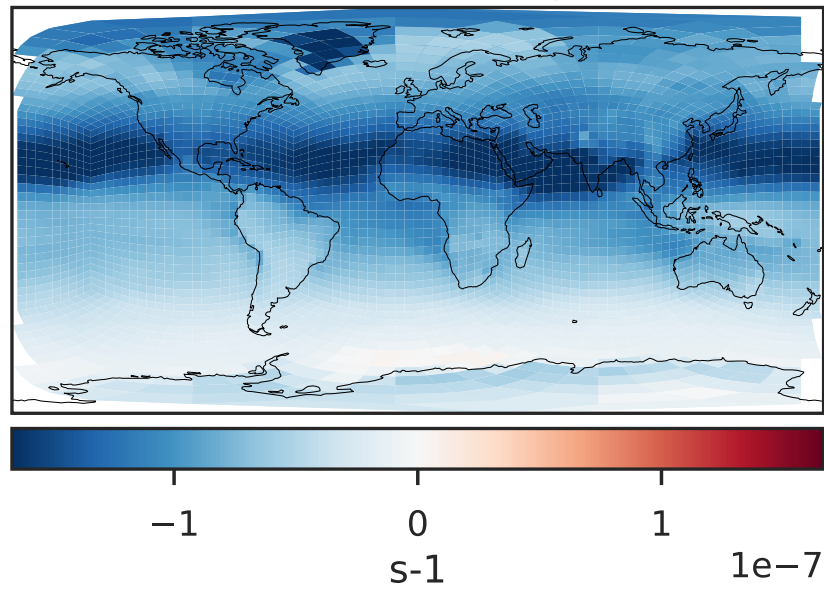
GCHP\_14.2.0 (Dev)  
c24



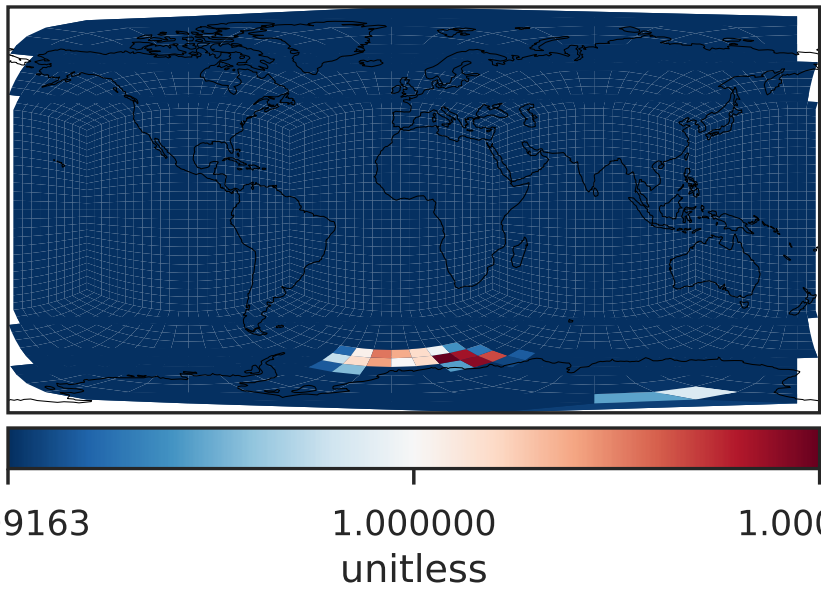
Difference  
Dev - Ref, Dynamic Range



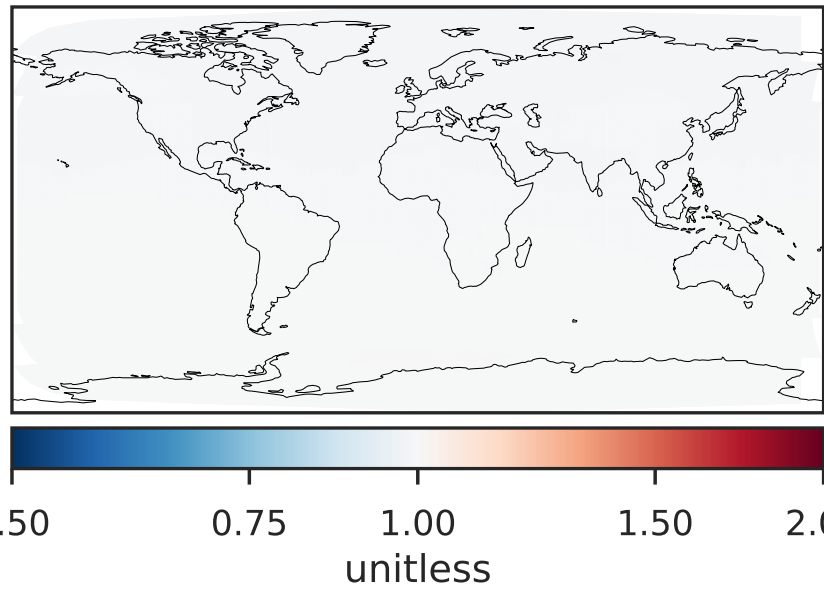
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



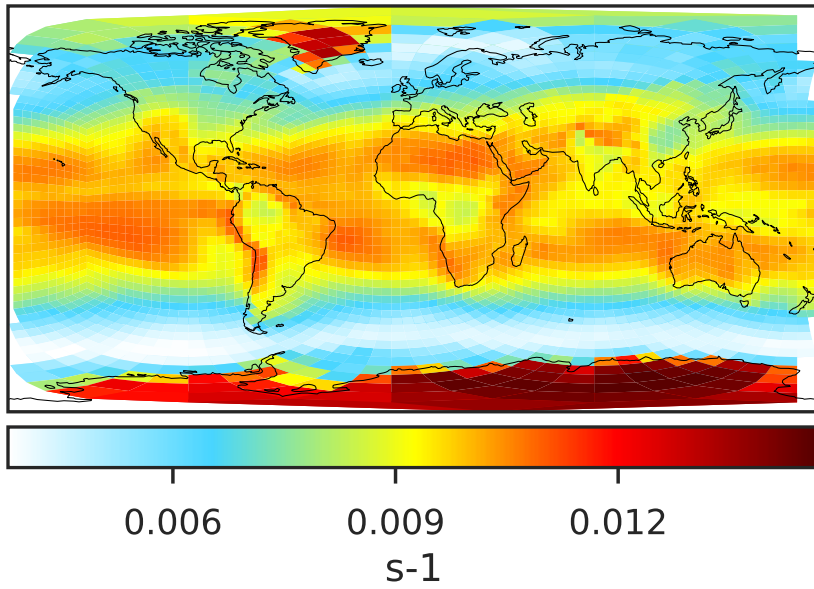
Ratio  
Dev/Ref, Fixed Range



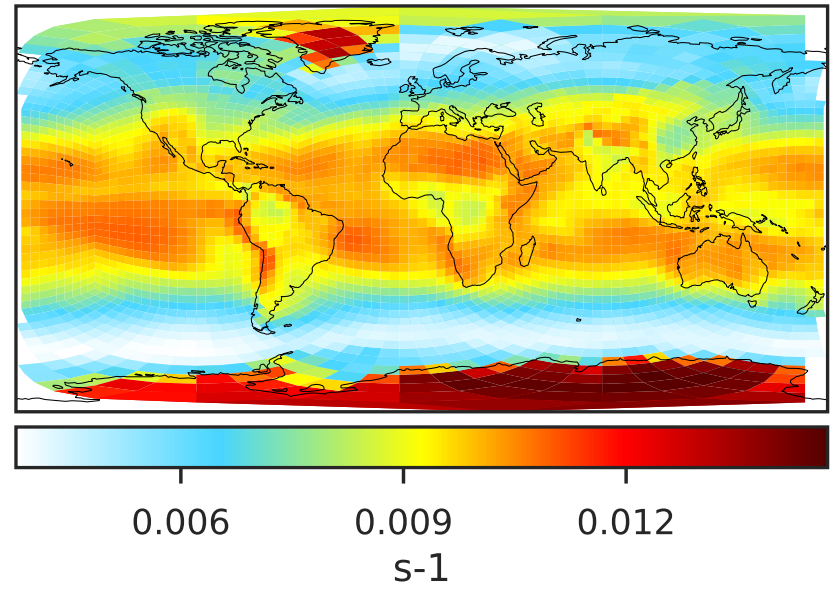


# Jval\_ICI (AnnualMean)

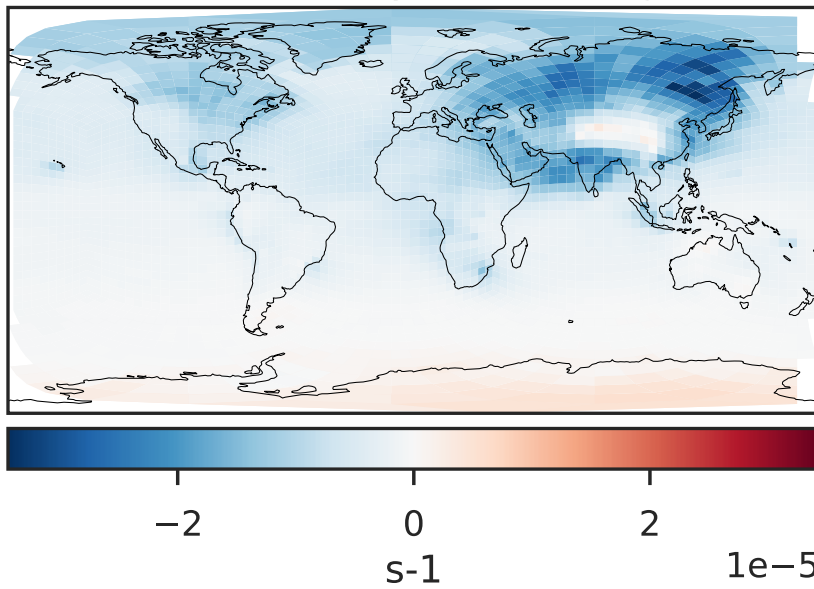
GCHP\_14.0.0 (Ref)  
c24



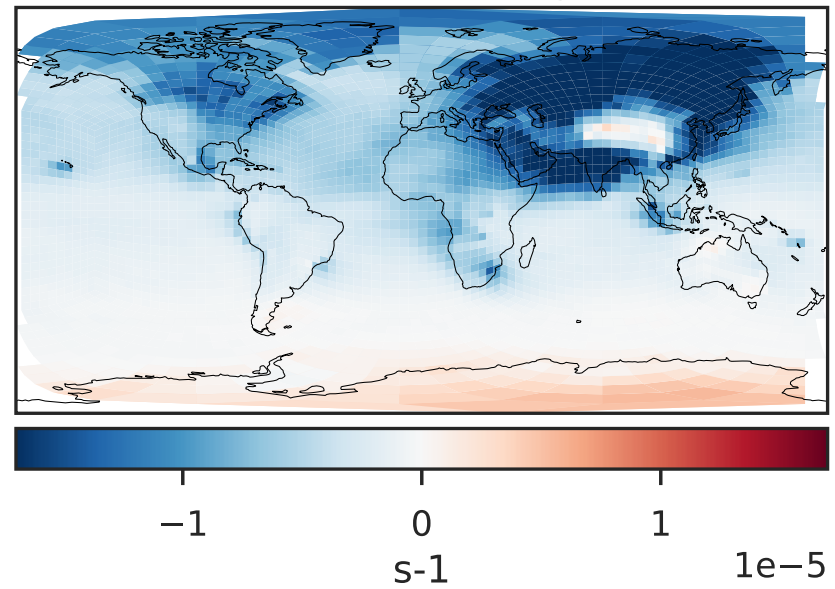
GCHP\_14.2.0 (Dev)  
c24



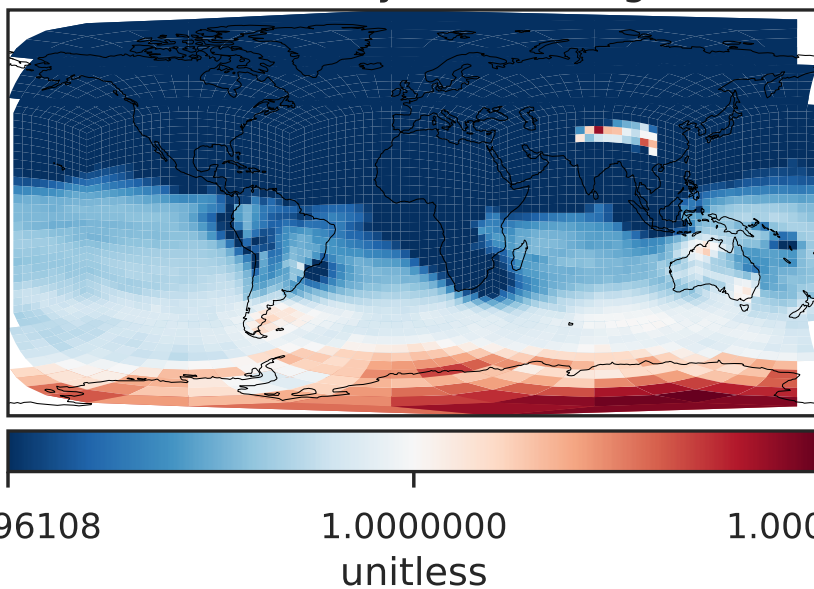
Difference  
Dev - Ref, Dynamic Range



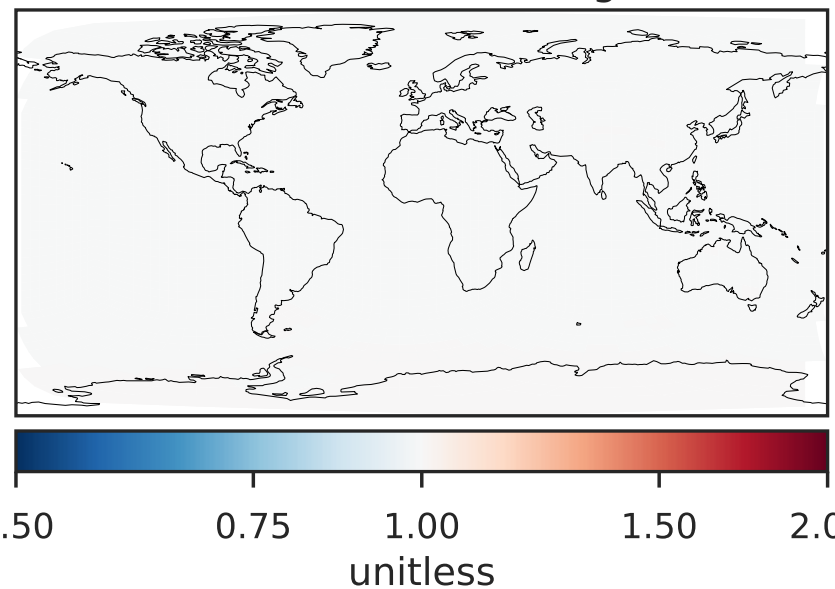
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

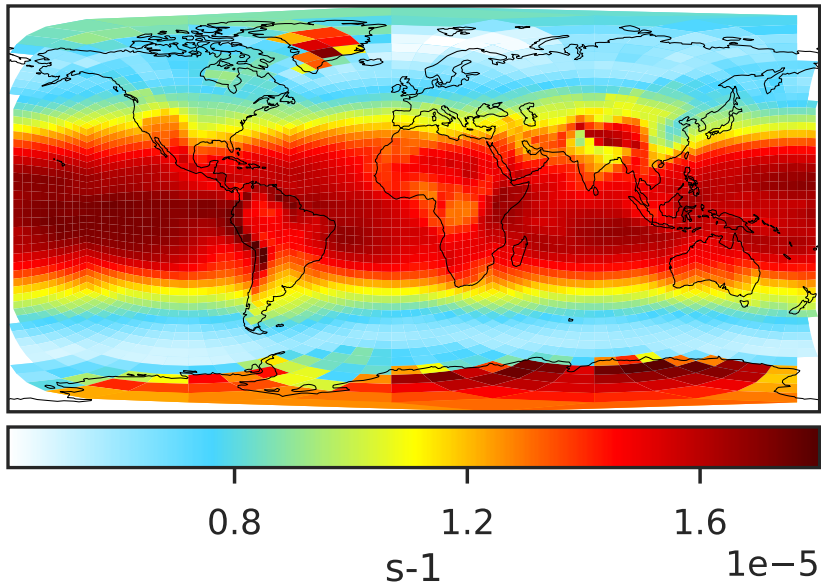


Ratio  
Dev/Ref, Fixed Range

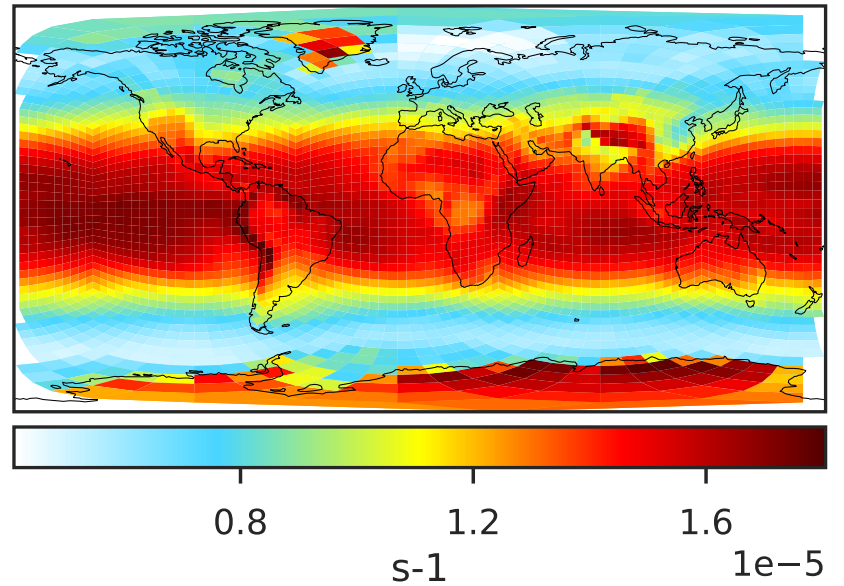


# Jval\_IDCHP (AnnualMean)

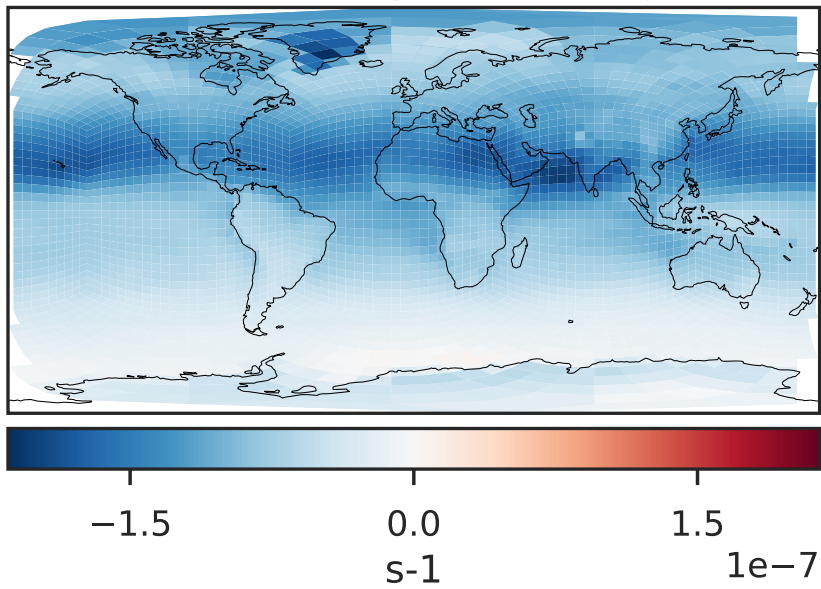
GCHP\_14.0.0 (Ref)  
c24



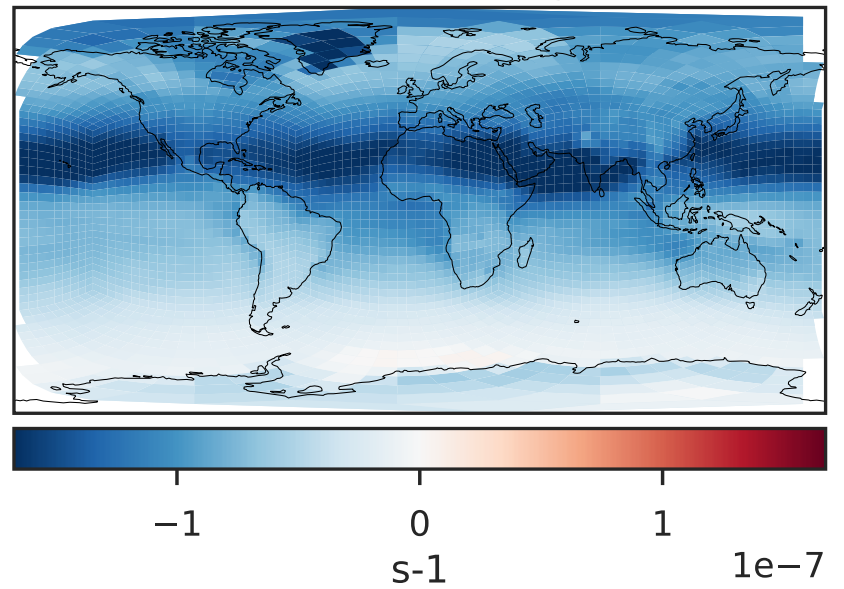
GCHP\_14.2.0 (Dev)  
c24



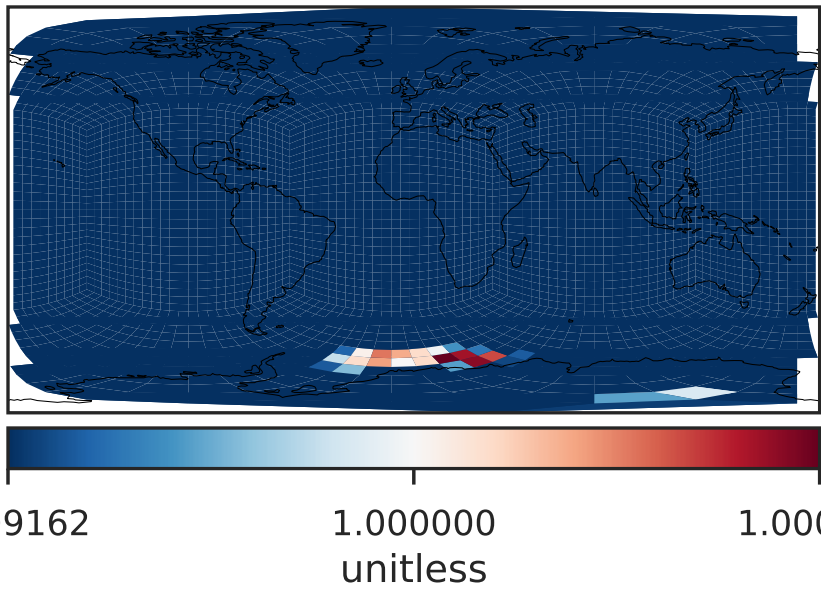
Difference  
Dev - Ref, Dynamic Range



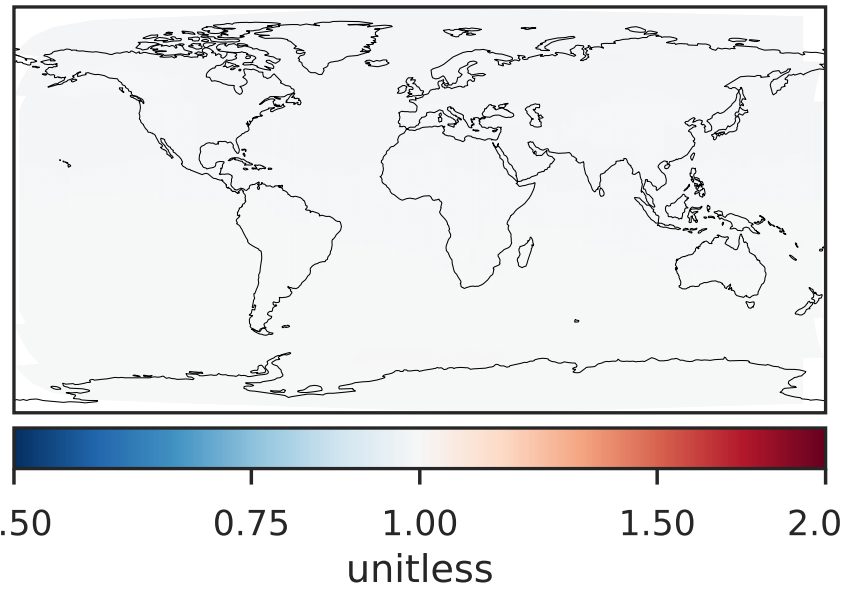
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



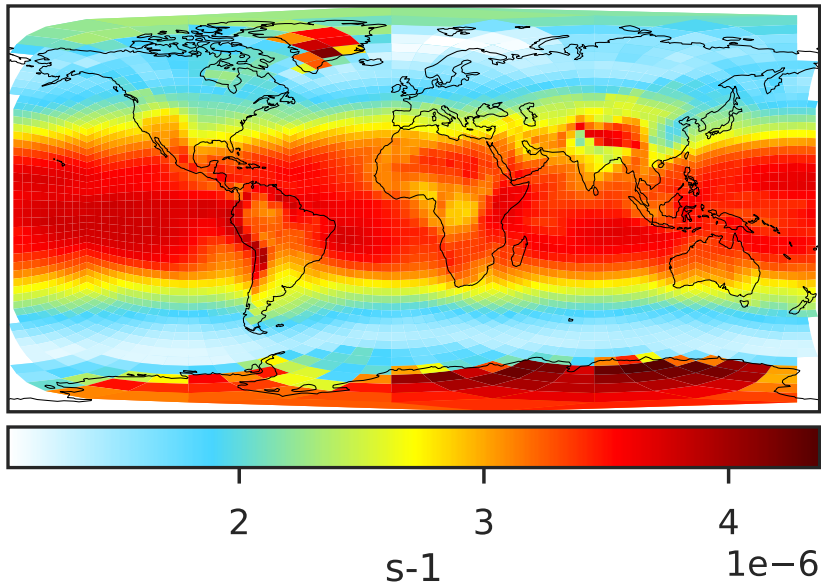
Ratio  
Dev/Ref, Fixed Range



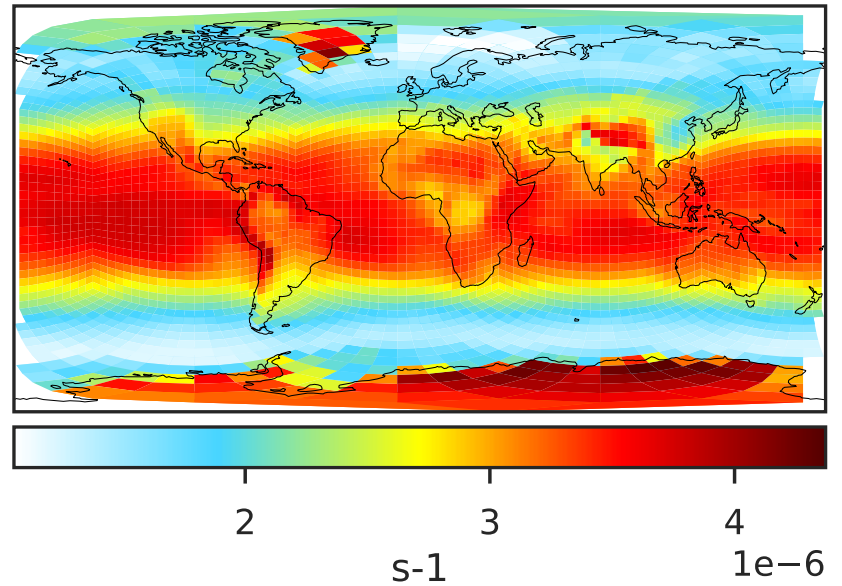


# Jval\_IDHDP (AnnualMean)

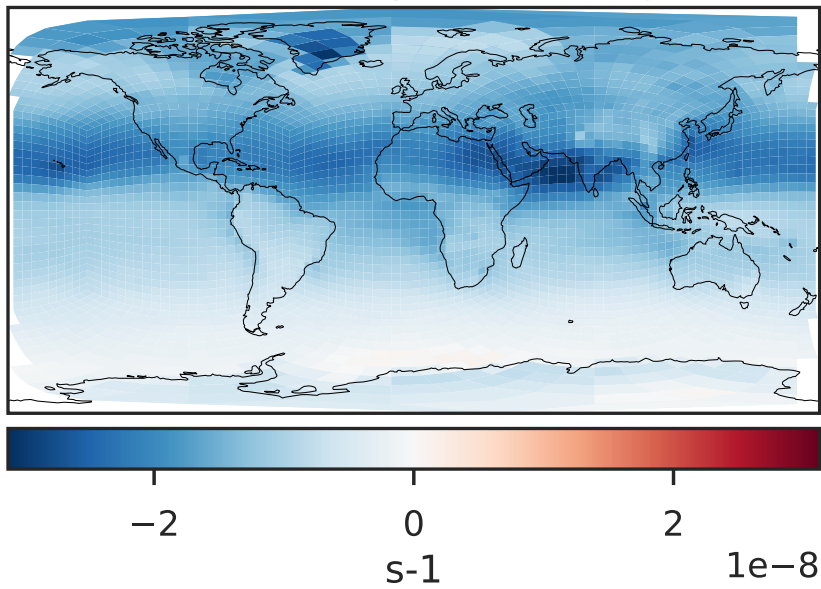
GCHP\_14.0.0 (Ref)  
c24



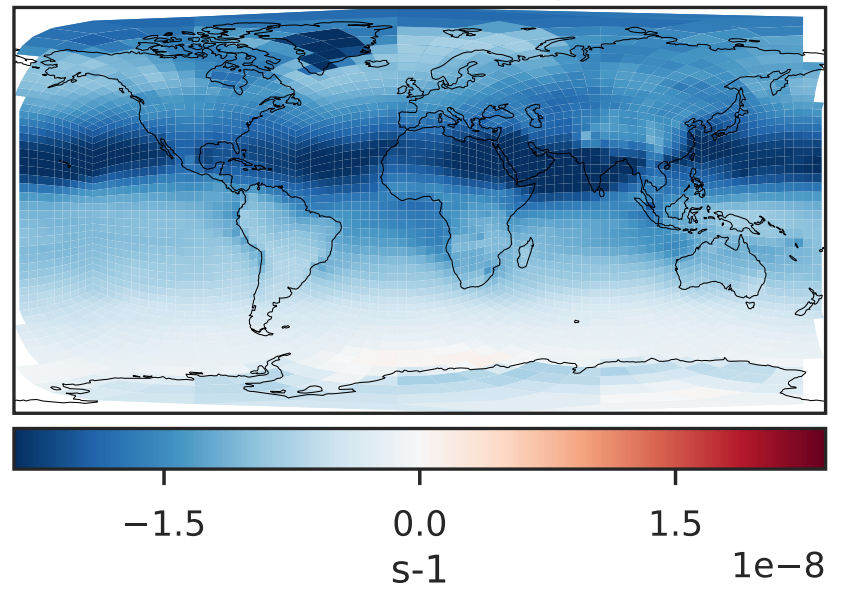
GCHP\_14.2.0 (Dev)  
c24



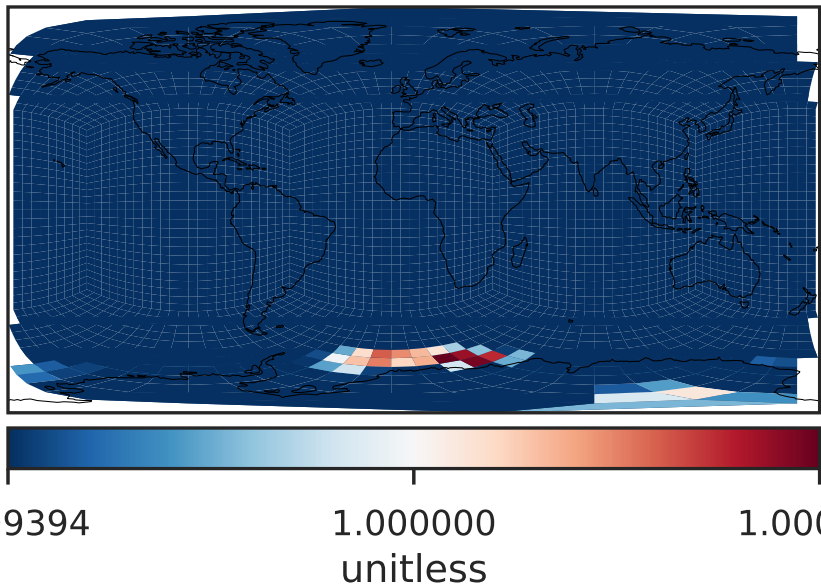
Difference  
Dev - Ref, Dynamic Range



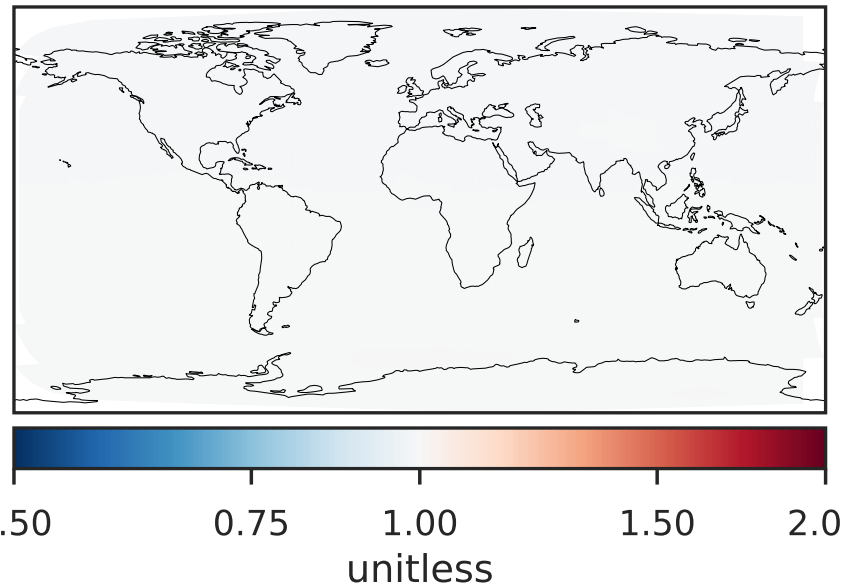
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



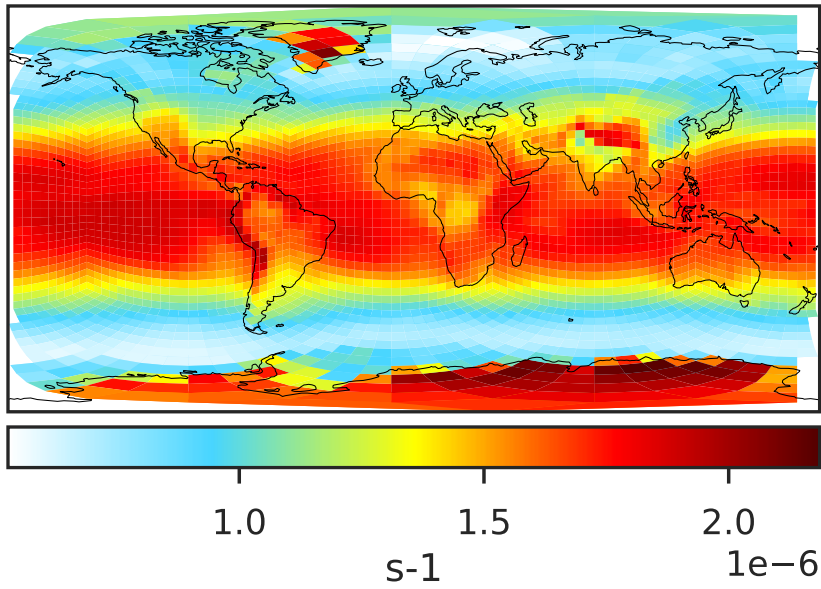
Ratio  
Dev/Ref, Fixed Range



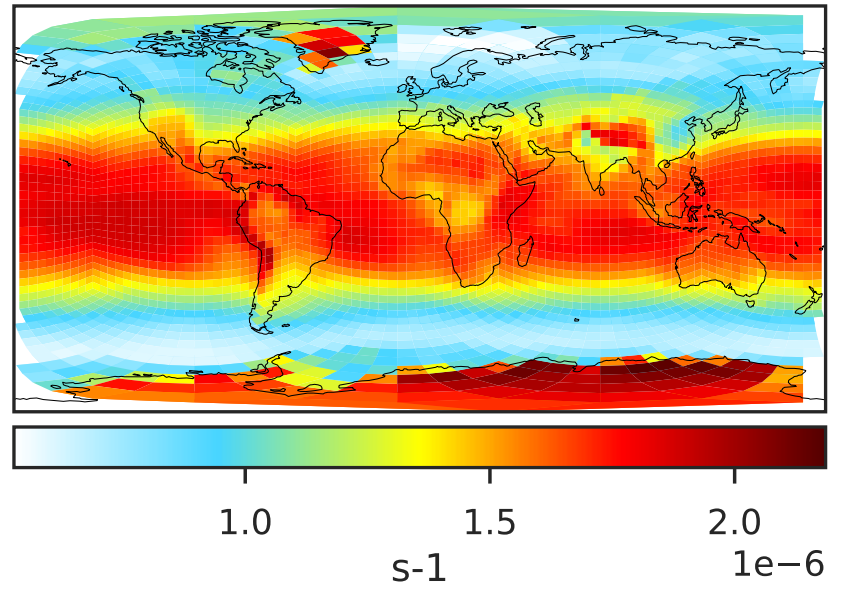


# Jval\_IDHPE (AnnualMean)

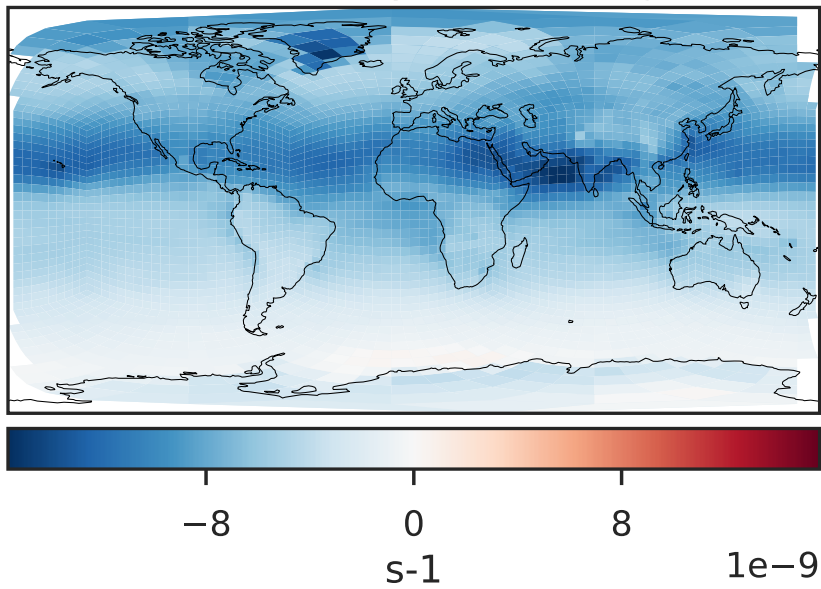
GCHP\_14.0.0 (Ref)  
c24



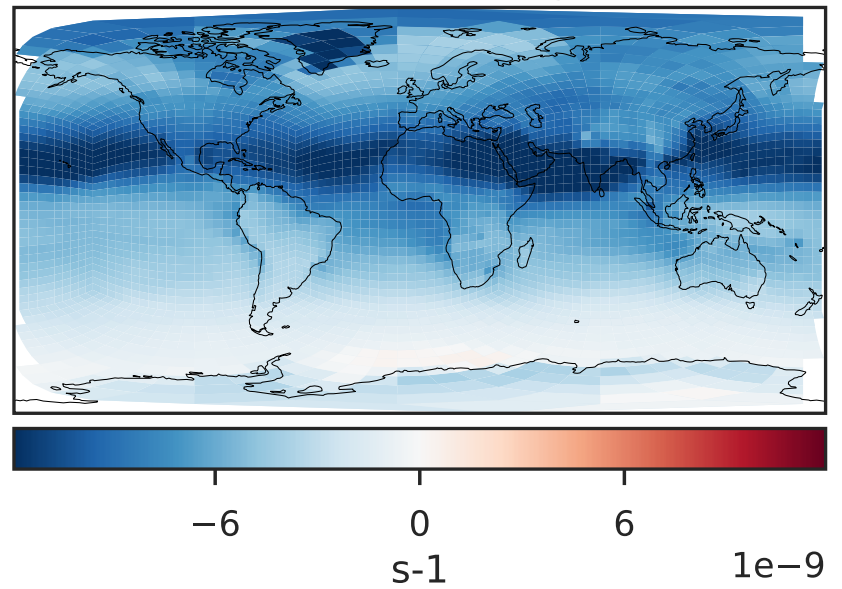
GCHP\_14.2.0 (Dev)  
c24



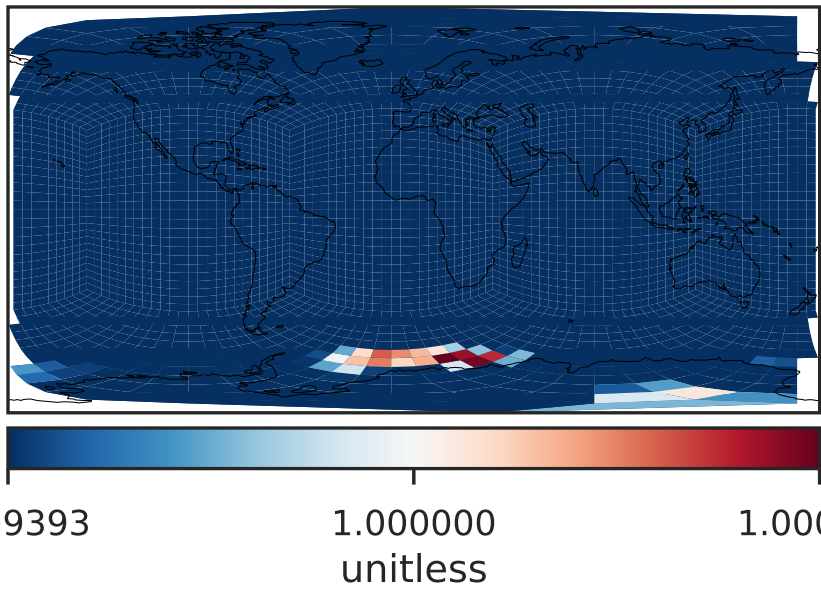
Difference  
Dev - Ref, Dynamic Range



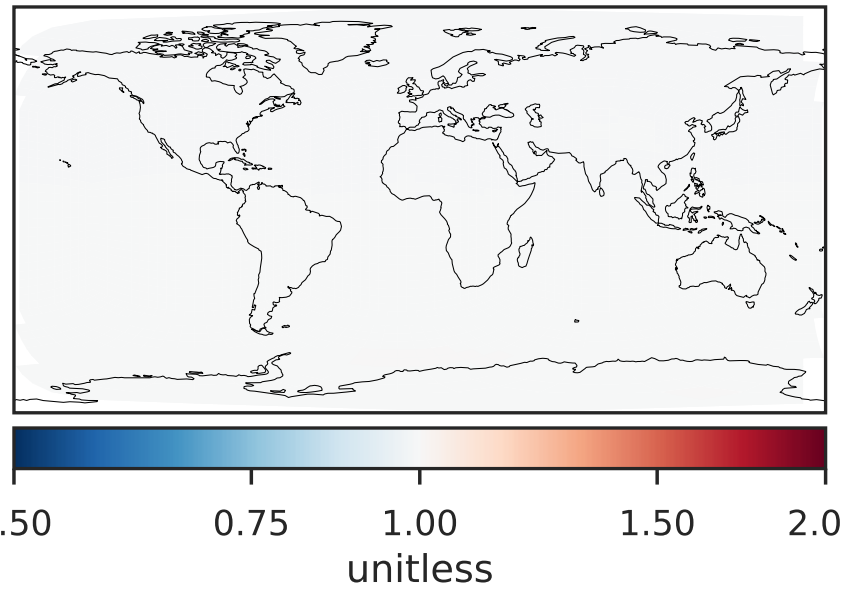
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

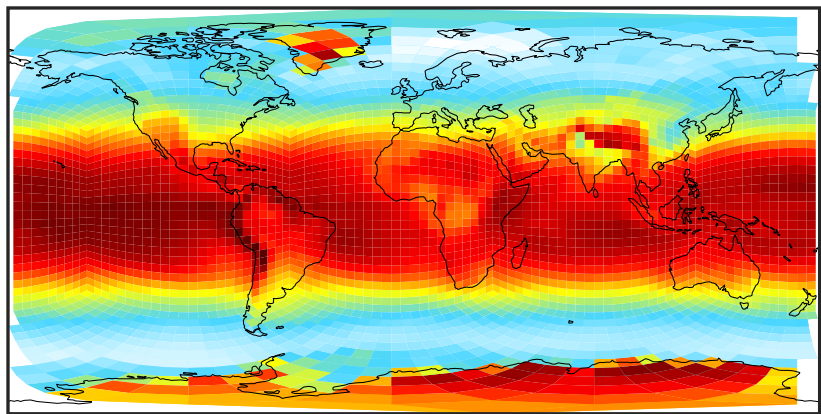


Ratio  
Dev/Ref, Fixed Range



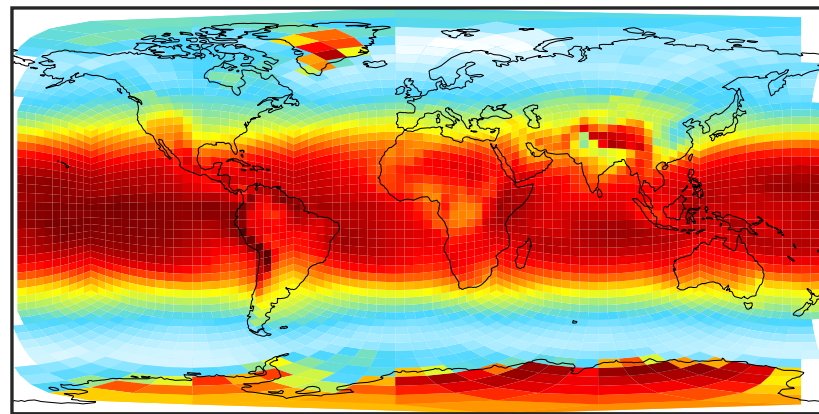
# Jval\_IDN (AnnualMean)

GCHP\_14.0.0 (Ref)  
c24



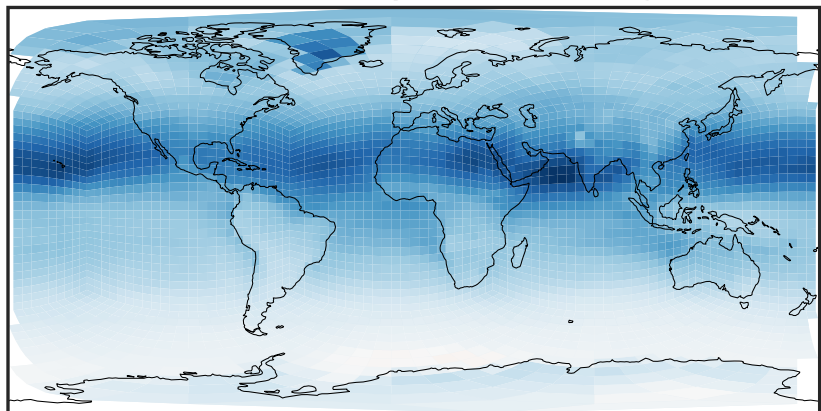
0.4 0.8 1.2 1.6  
s-1 1e-6

GCHP\_14.2.0 (Dev)  
c24



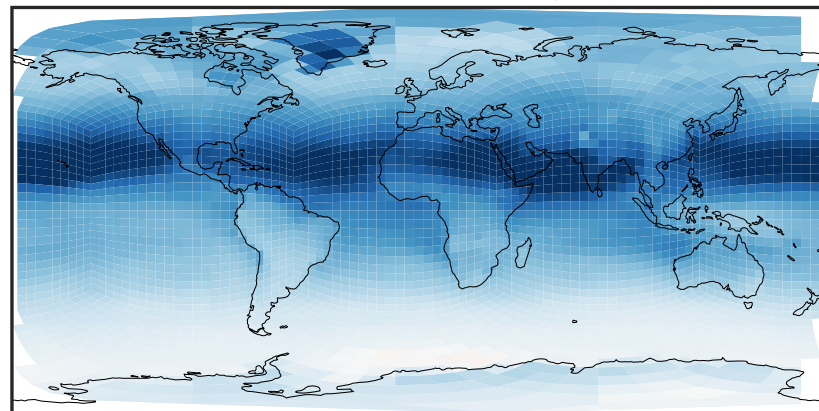
0.4 0.8 1.2 1.6  
s-1 1e-6

Difference  
Dev - Ref, Dynamic Range



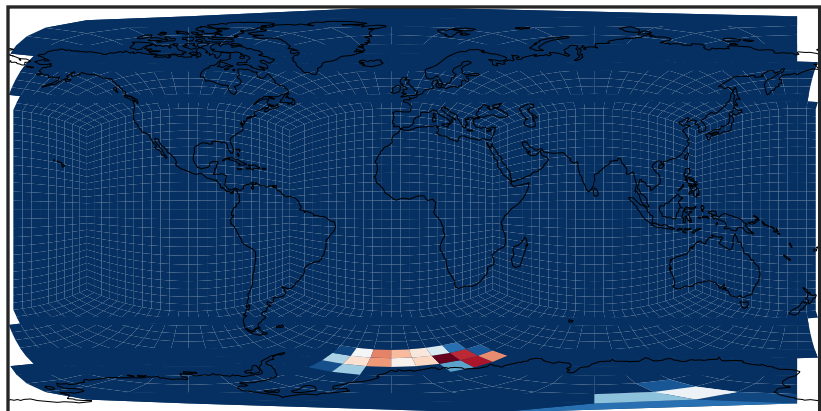
-1.5 0.0 1.5  
s-1 1e-8

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



-1 0 1  
s-1 1e-8

Ratio  
Dev/Ref, Dynamic Range



0.999086 1.000000 1.000915  
unitless

Ratio  
Dev/Ref, Fixed Range

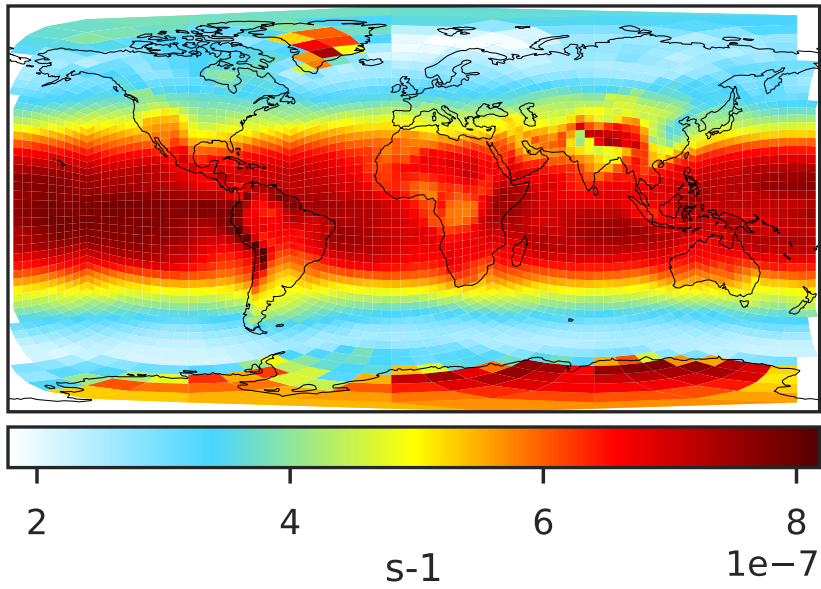


0.50 0.75 1.00 1.50 2.00  
unitless

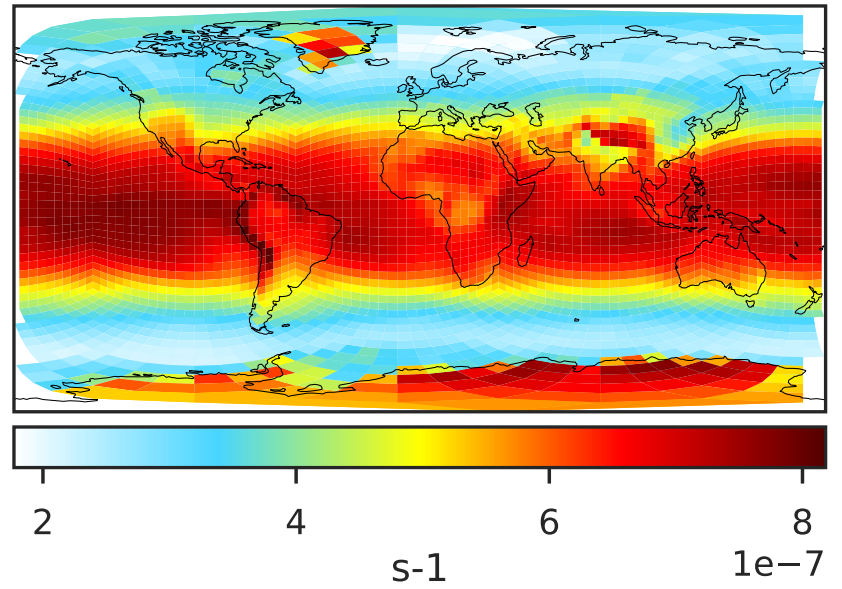


# Jval\_IHN1 (AnnualMean)

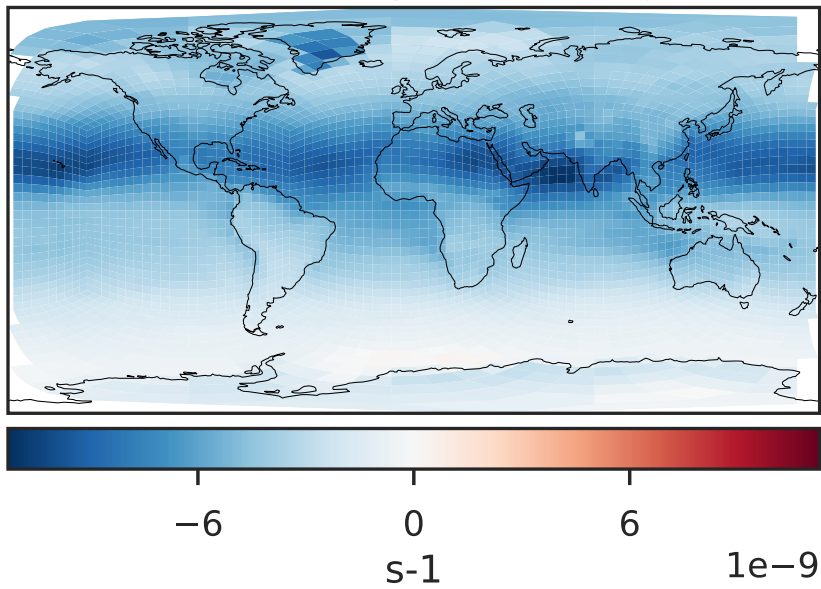
GCHP\_14.0.0 (Ref)  
c24



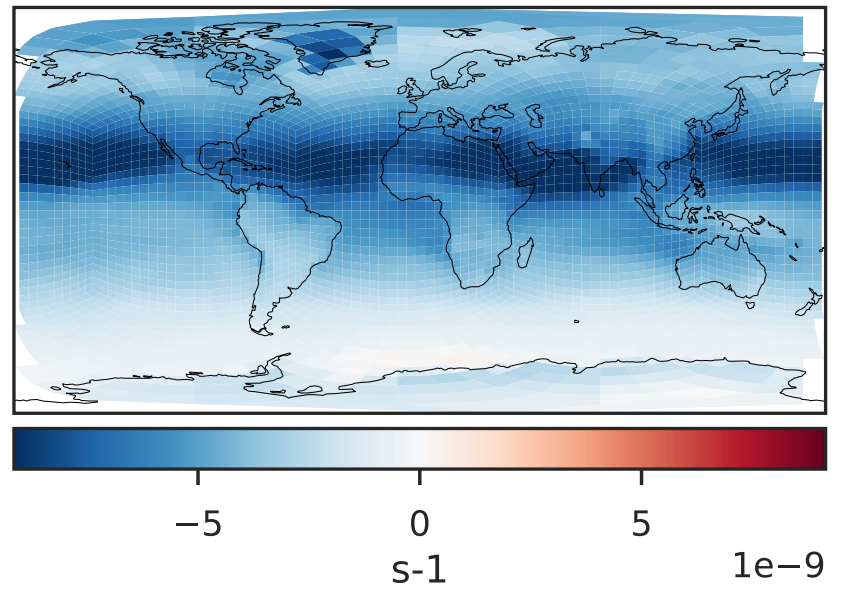
GCHP\_14.2.0 (Dev)  
c24



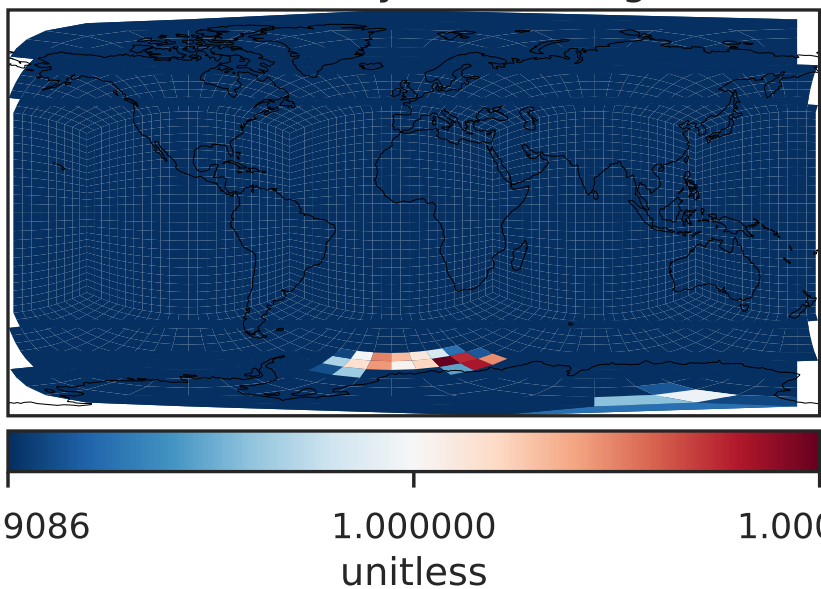
Difference  
Dev - Ref, Dynamic Range



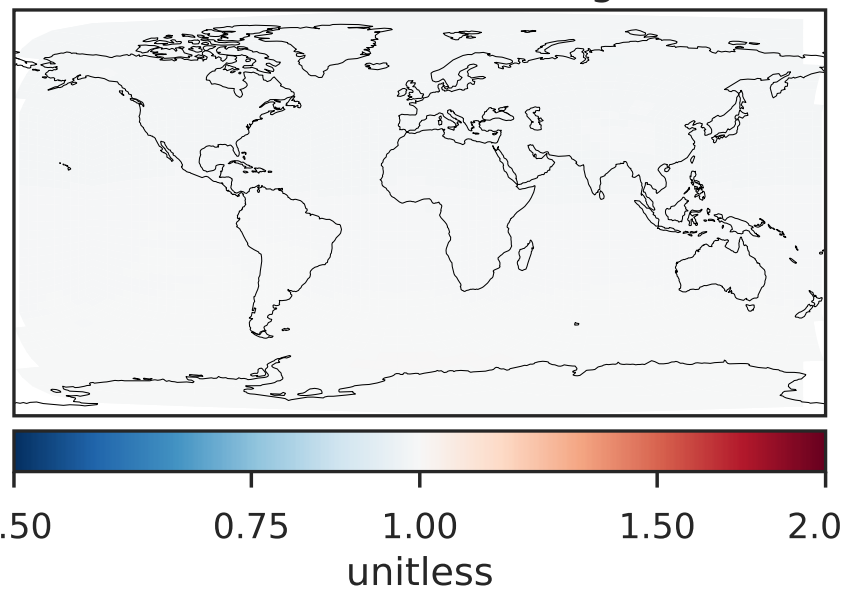
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



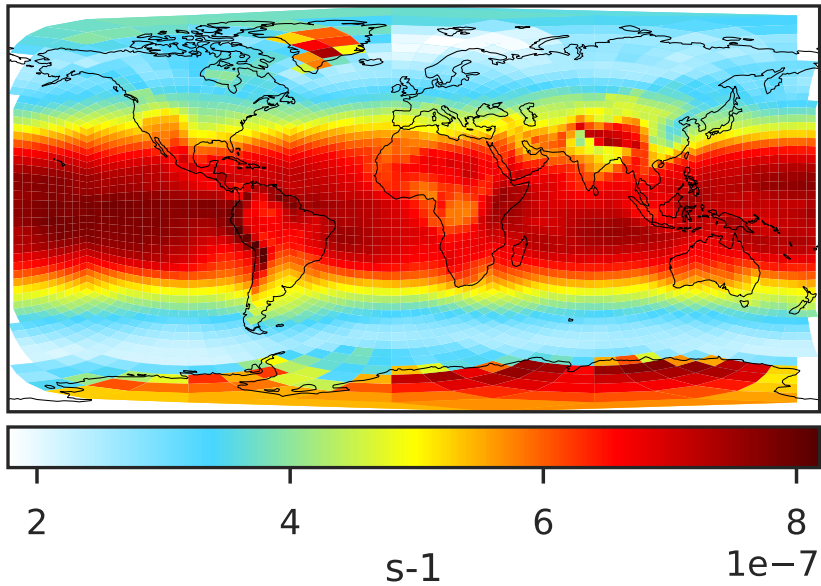
Ratio  
Dev/Ref, Fixed Range



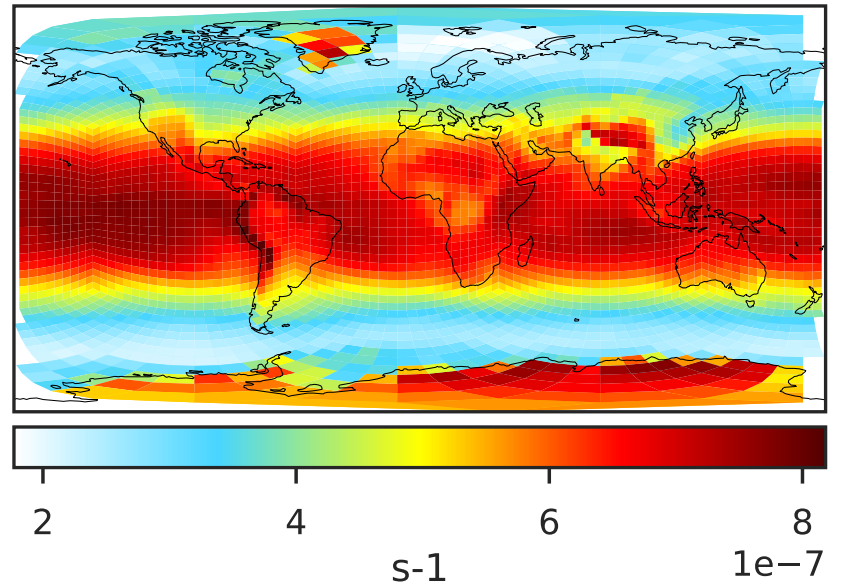


# Jval\_IHN2 (AnnualMean)

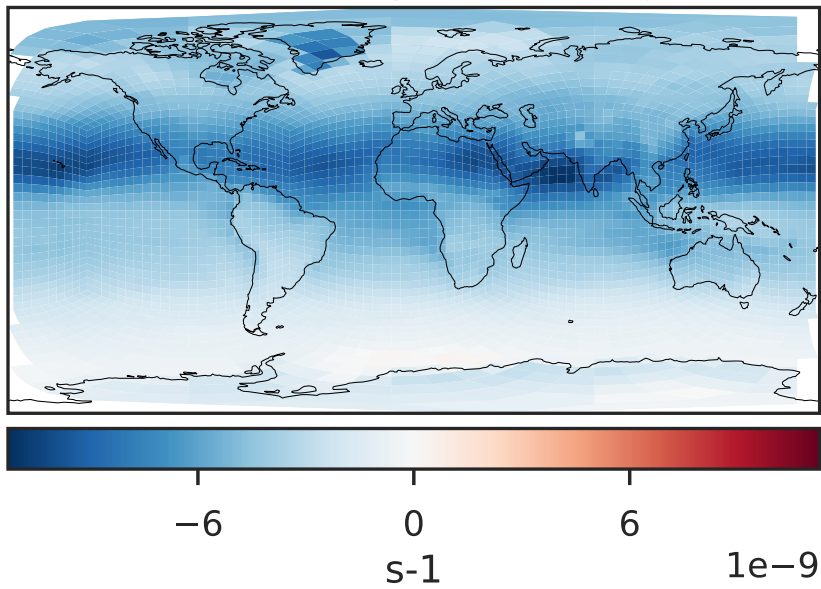
GCHP\_14.0.0 (Ref)  
c24



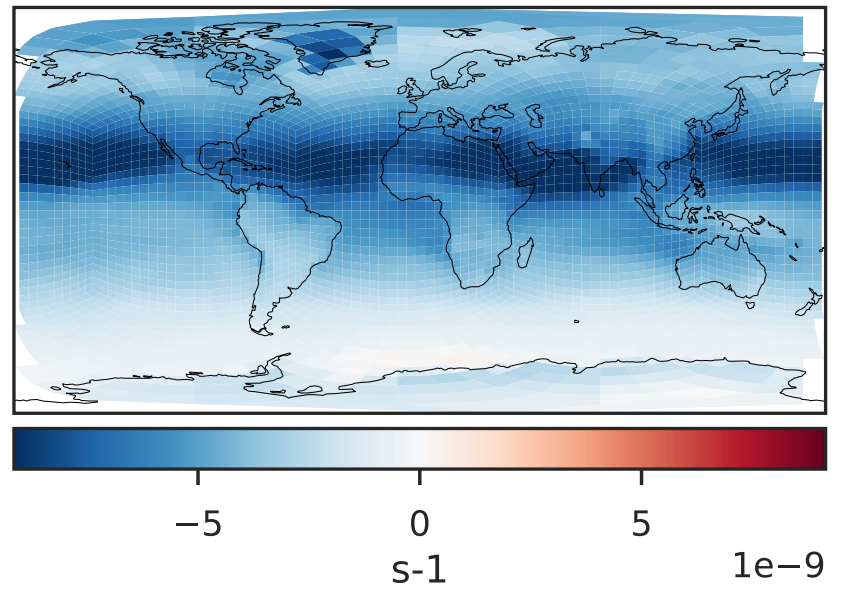
GCHP\_14.2.0 (Dev)  
c24



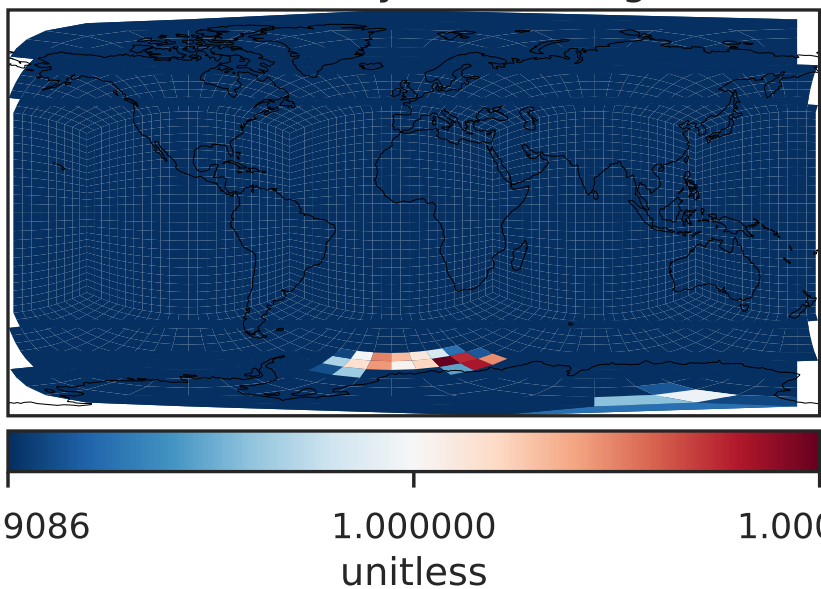
Difference  
Dev - Ref, Dynamic Range



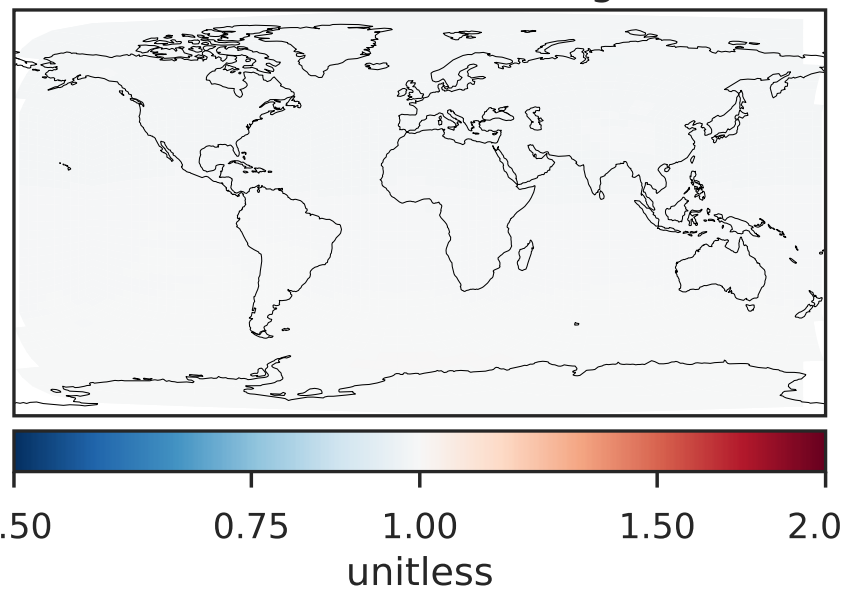
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

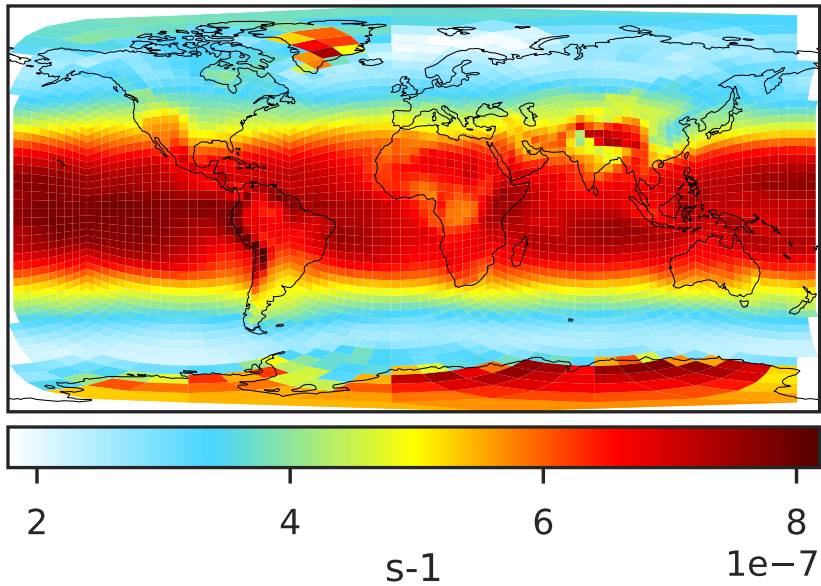


Ratio  
Dev/Ref, Fixed Range

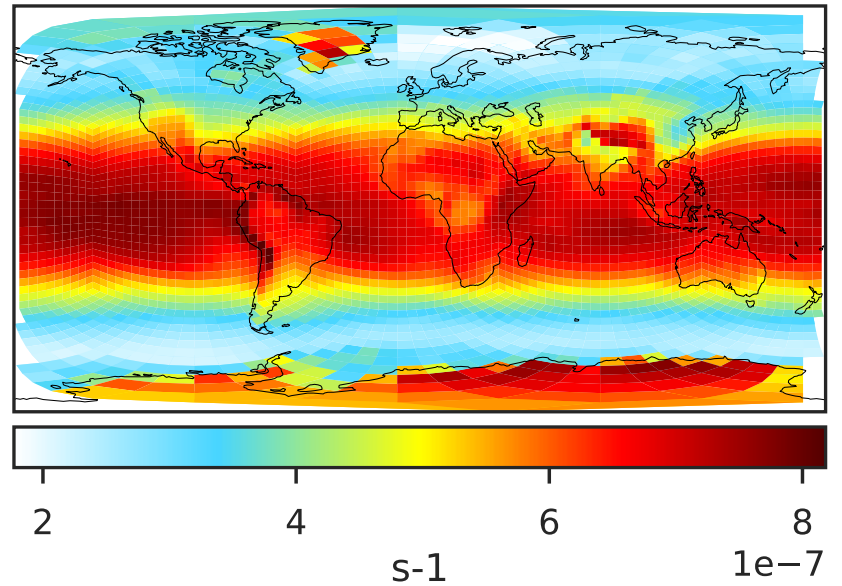


# Jval\_IHN3 (AnnualMean)

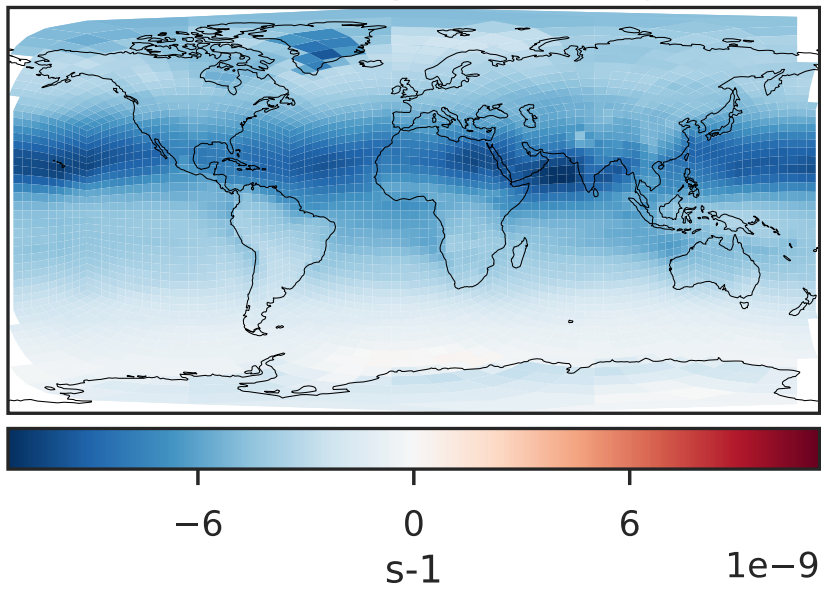
GCHP\_14.0.0 (Ref)  
c24



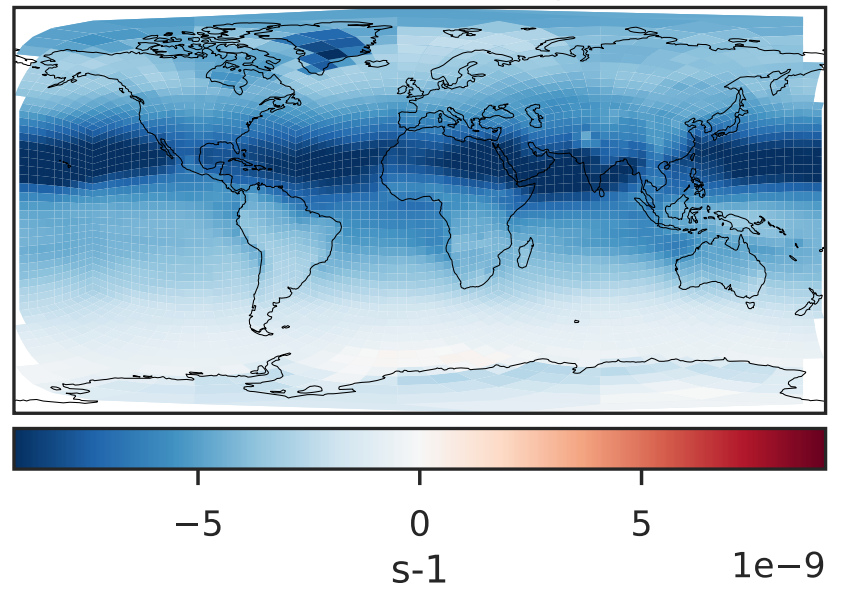
GCHP\_14.2.0 (Dev)  
c24



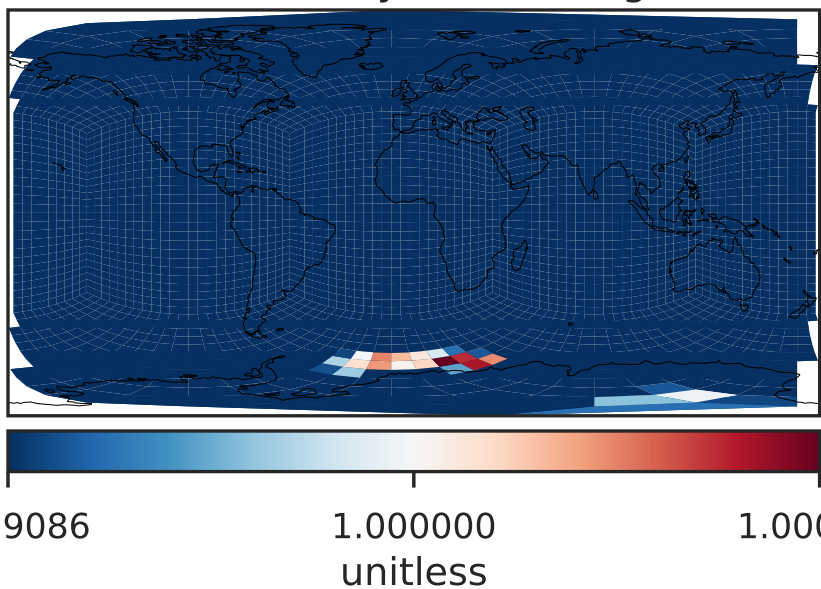
Difference  
Dev - Ref, Dynamic Range



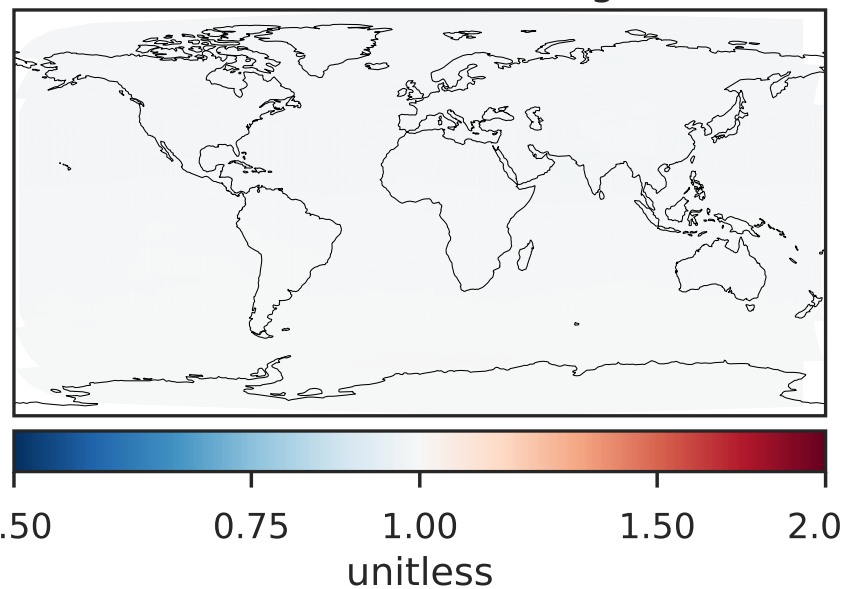
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



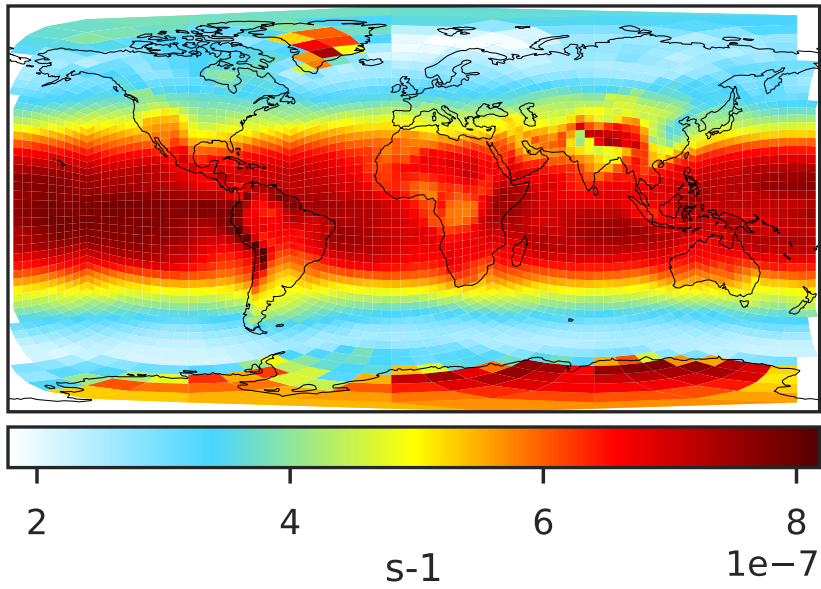
Ratio  
Dev/Ref, Fixed Range



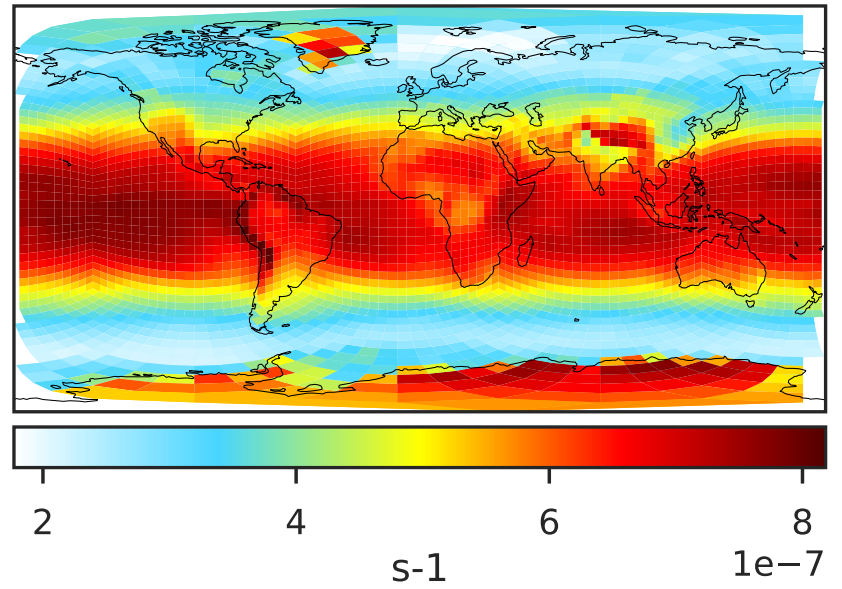


# Jval\_IHN4 (AnnualMean)

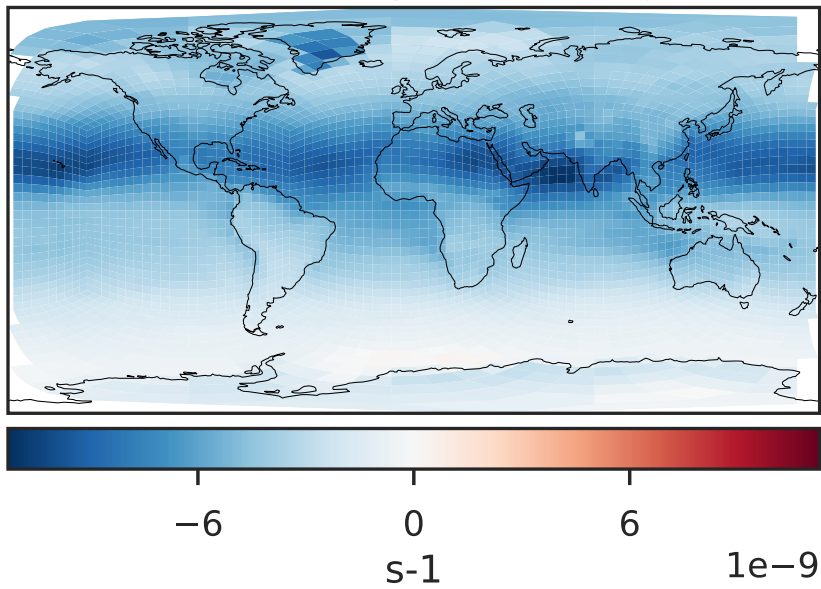
GCHP\_14.0.0 (Ref)  
c24



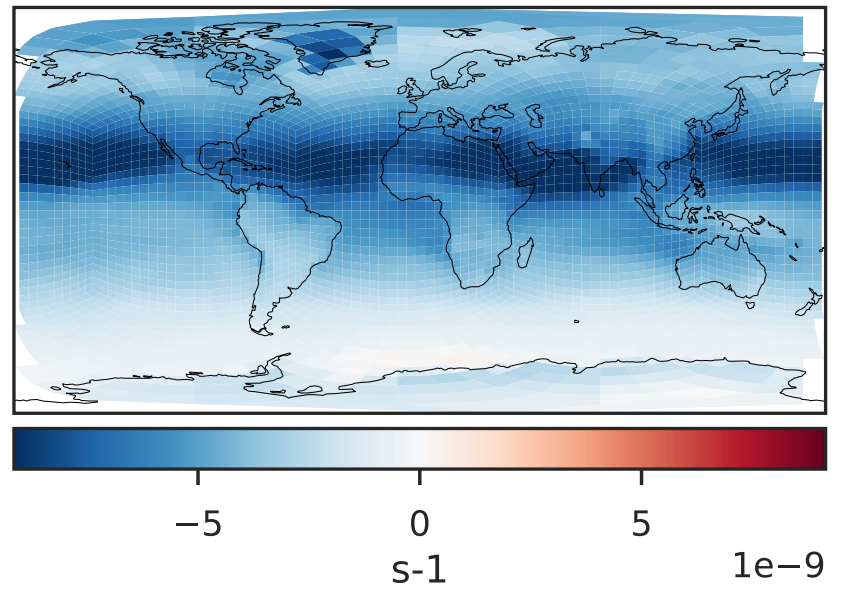
GCHP\_14.2.0 (Dev)  
c24



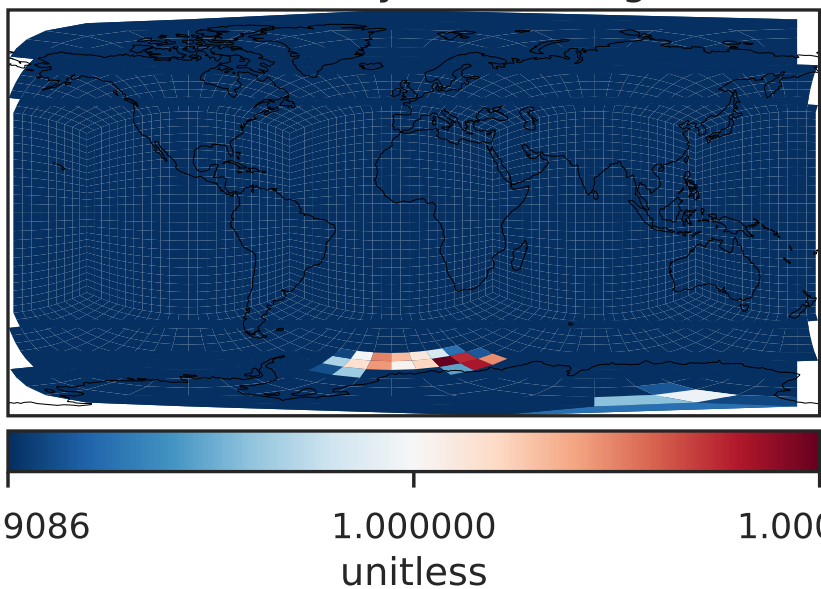
Difference  
Dev - Ref, Dynamic Range



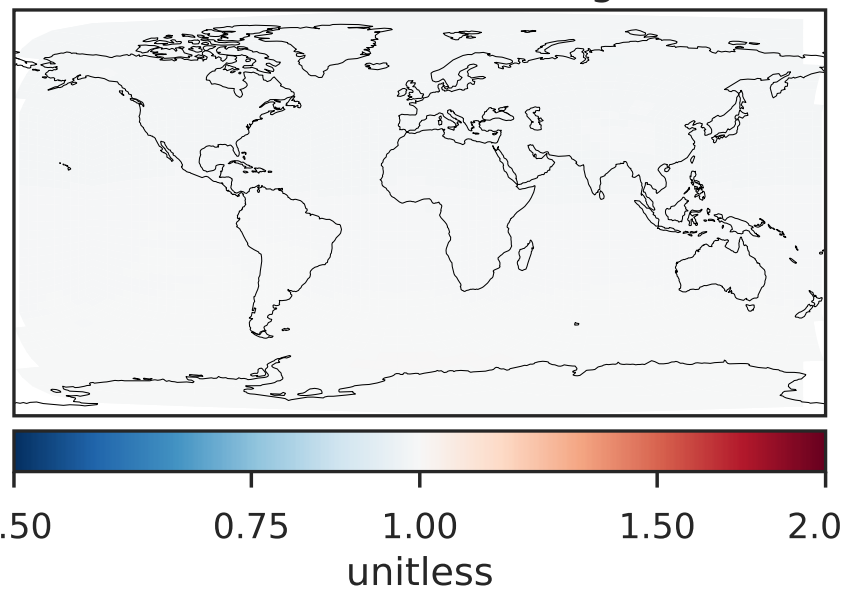
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



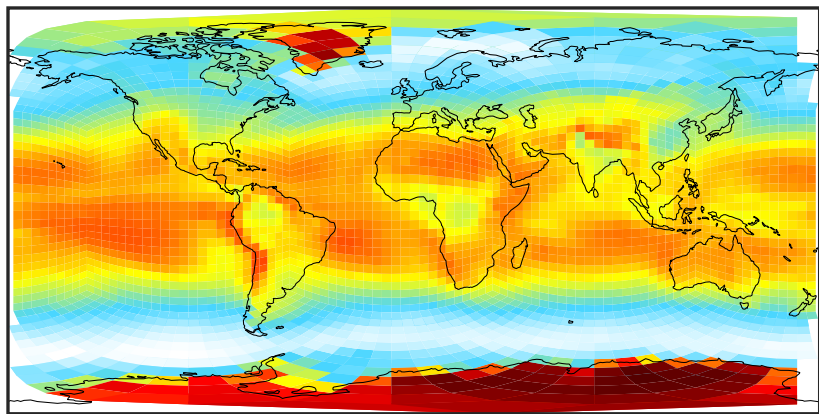
Ratio  
Dev/Ref, Fixed Range





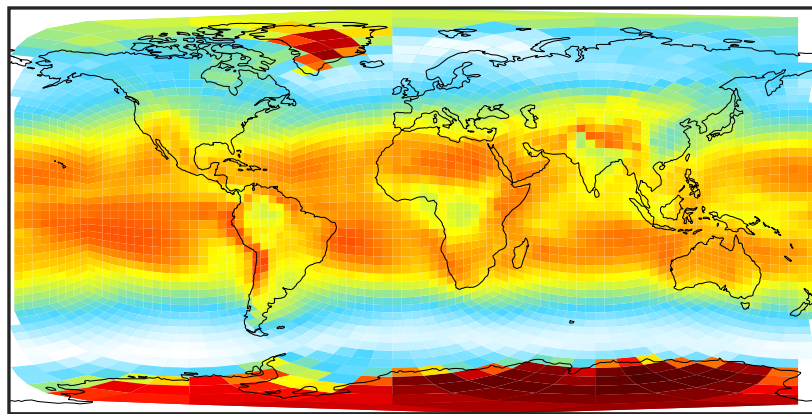
# Jval\_INO (AnnualMean)

GCHP\_14.0.0 (Ref)  
c24



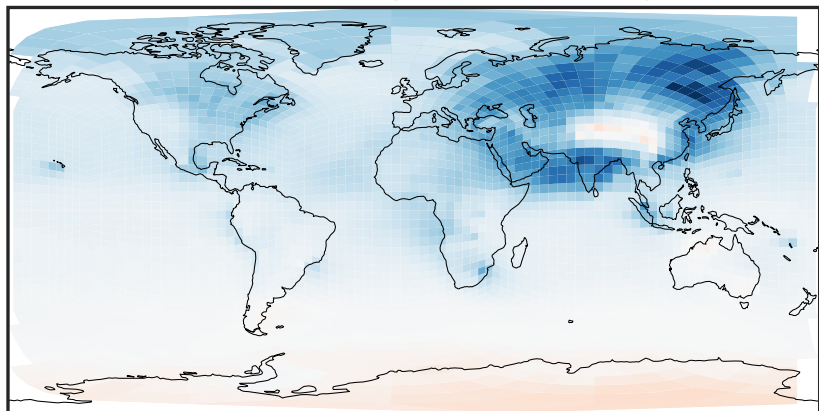
0.008 0.012 0.016  
s-1

GCHP\_14.2.0 (Dev)  
c24



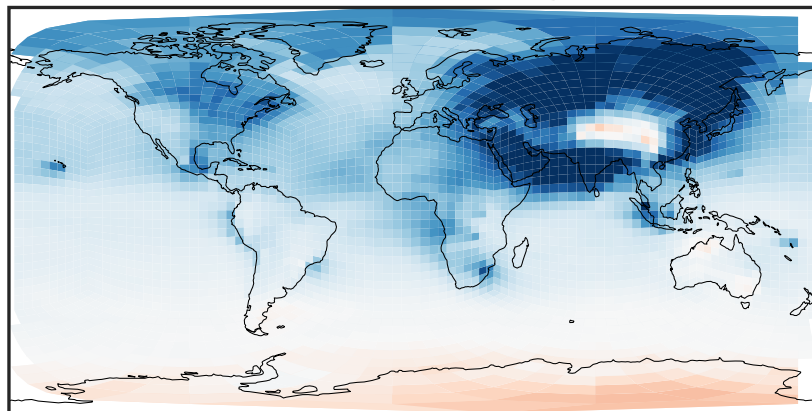
0.008 0.012 0.016  
s-1

Difference  
Dev - Ref, Dynamic Range



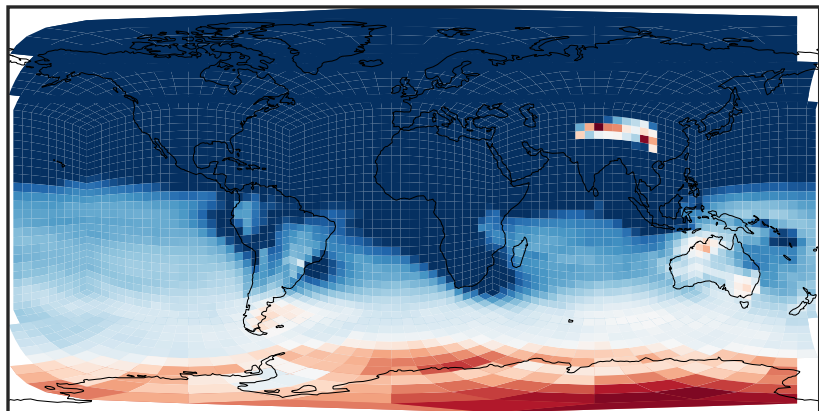
-2 0 2  
s-1 1e-5

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



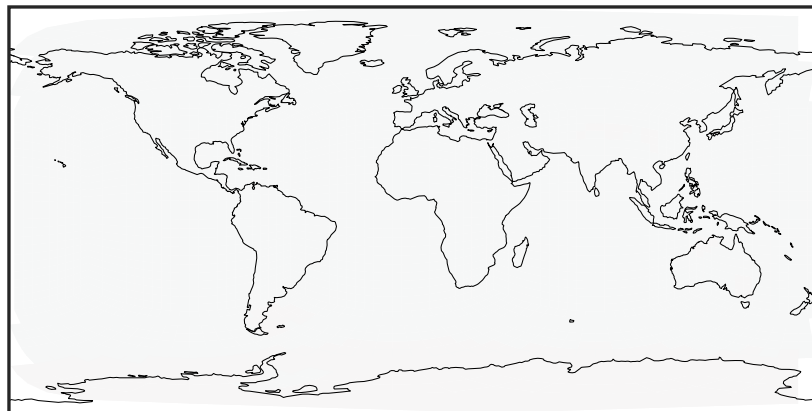
-1.5 0.0 1.5  
s-1 1e-5

Ratio  
Dev/Ref, Dynamic Range



0.9995919 1.000000 1.0004083  
unitless

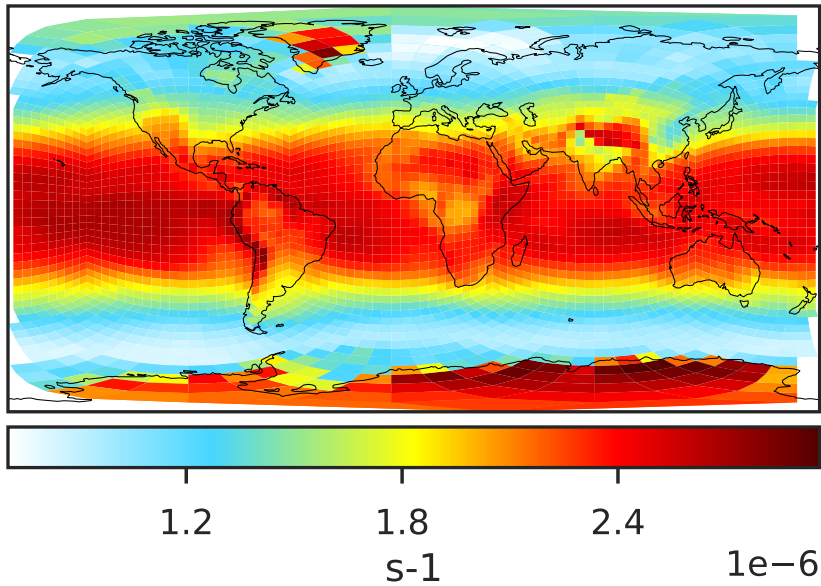
Ratio  
Dev/Ref, Fixed Range



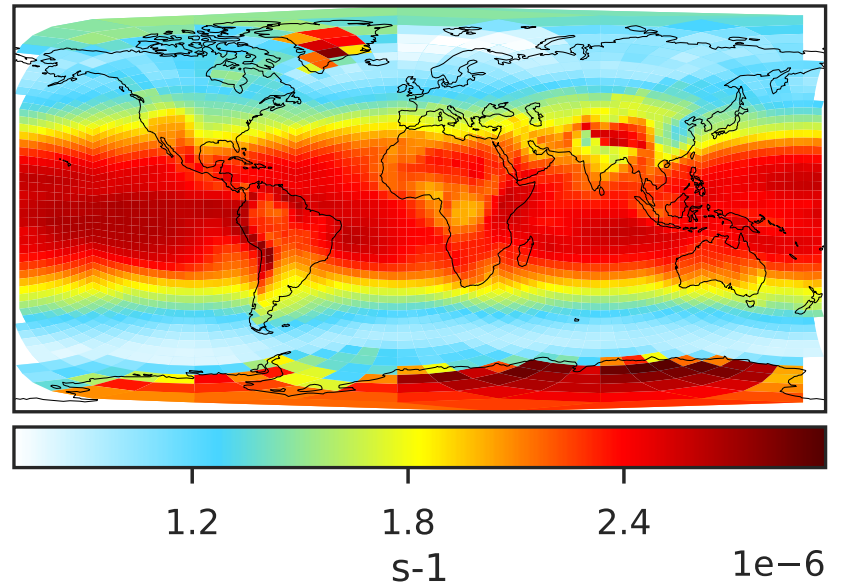
0.50 0.75 1.00 1.50 2.00  
unitless

# Jval\_INPB (AnnualMean)

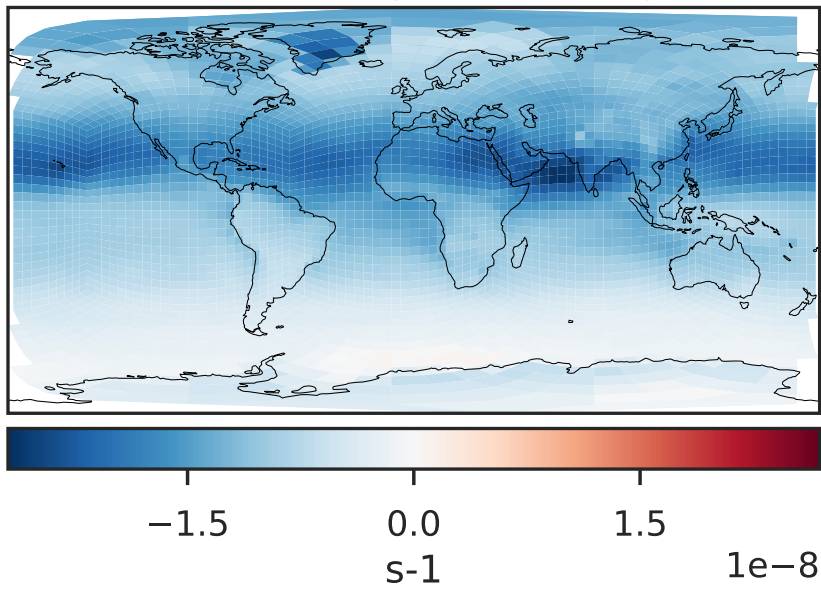
GCHP\_14.0.0 (Ref)  
c24



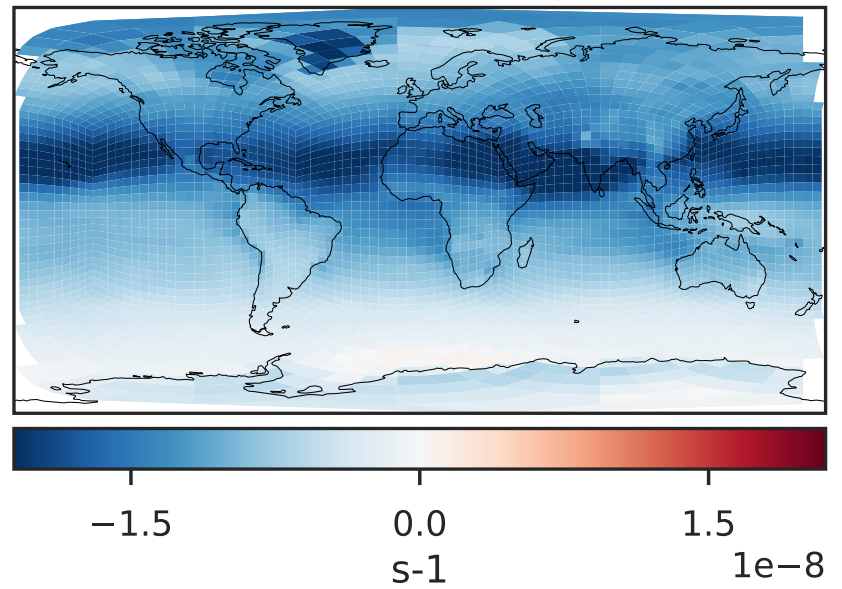
GCHP\_14.2.0 (Dev)  
c24



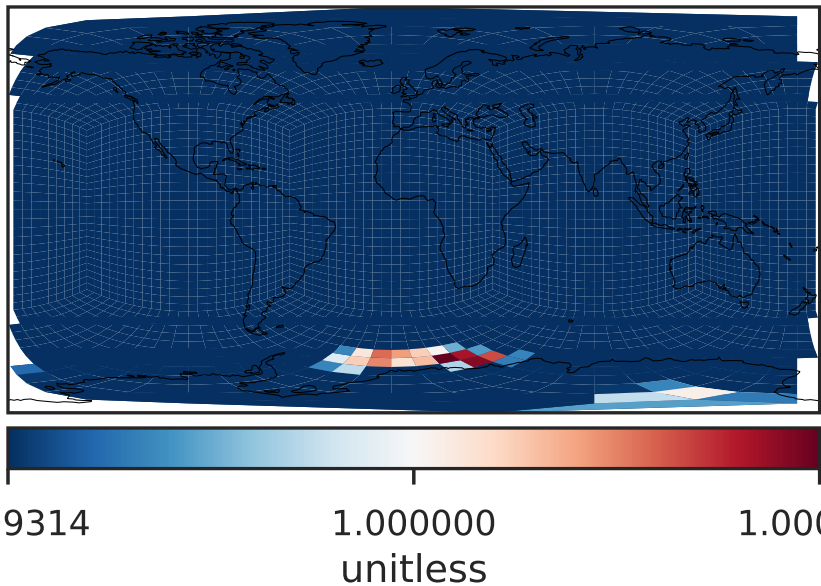
Difference  
Dev - Ref, Dynamic Range



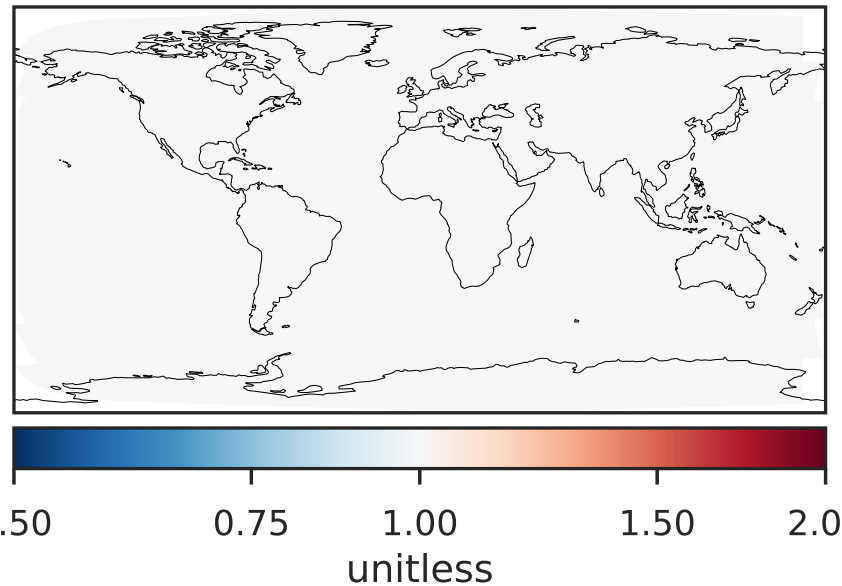
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



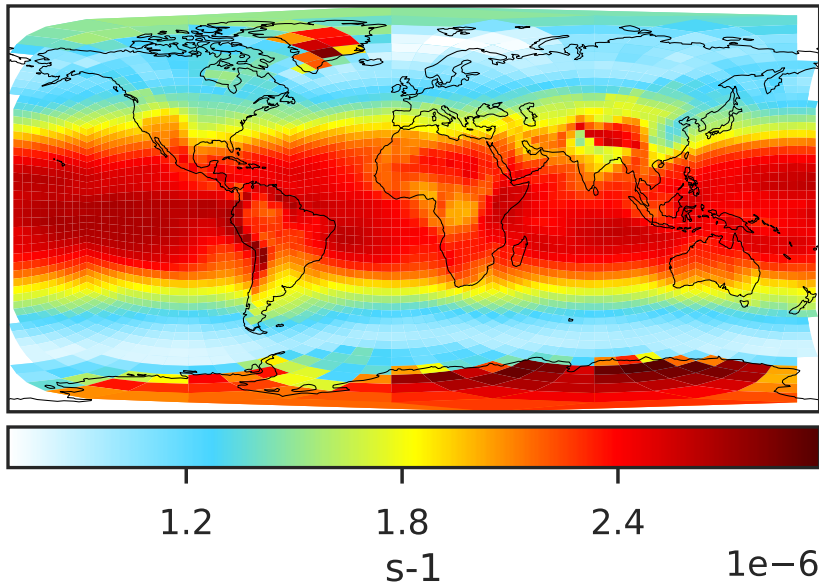
Ratio  
Dev/Ref, Fixed Range



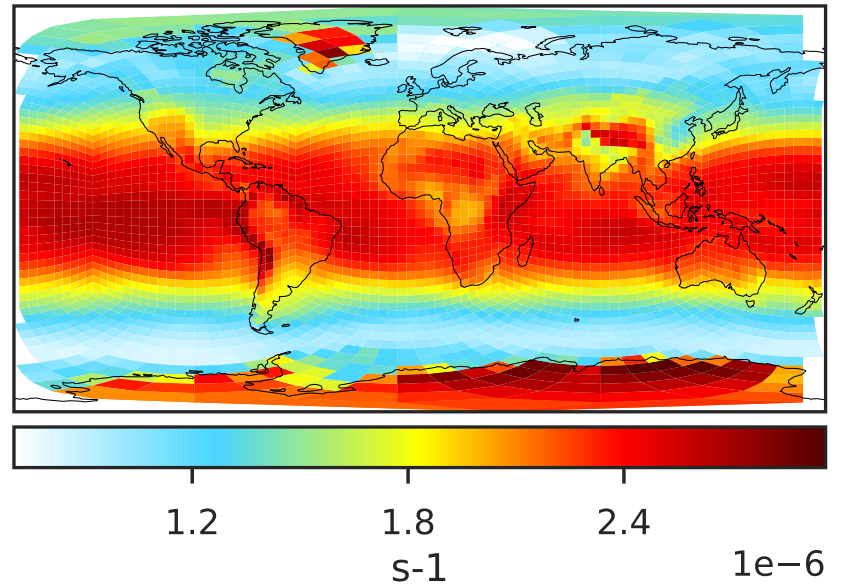


# Jval\_INPD (AnnualMean)

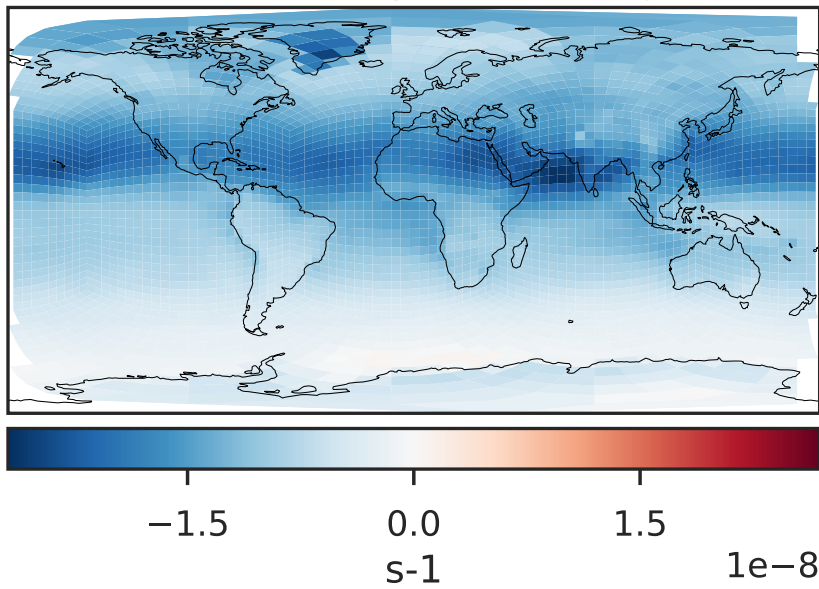
GCHP\_14.0.0 (Ref)  
c24



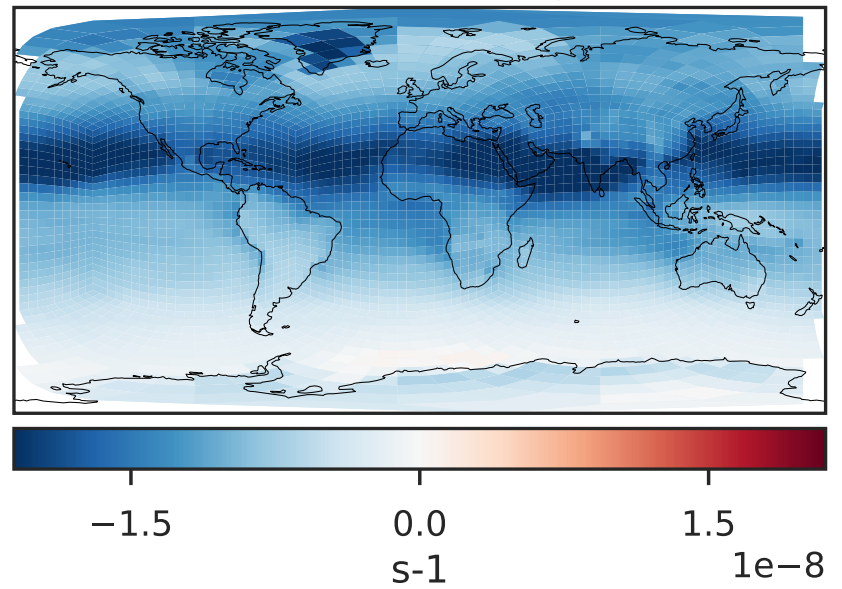
GCHP\_14.2.0 (Dev)  
c24



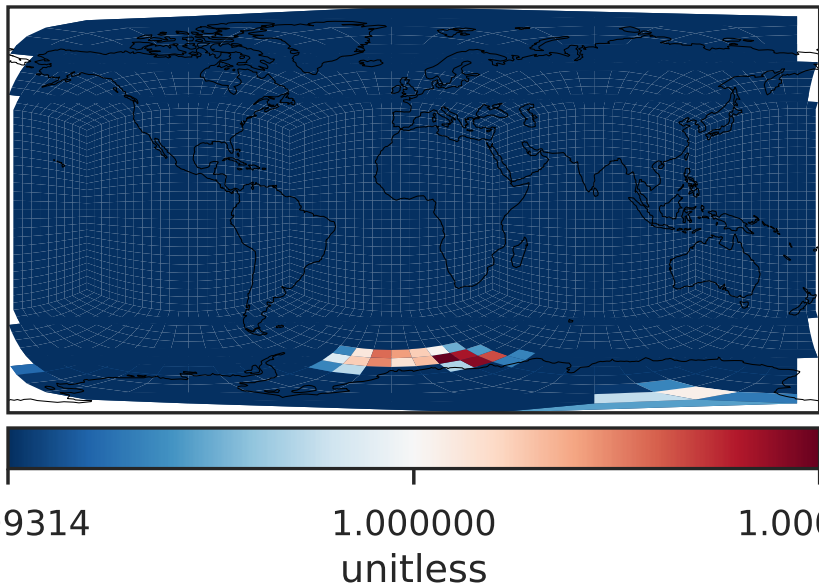
Difference  
Dev - Ref, Dynamic Range



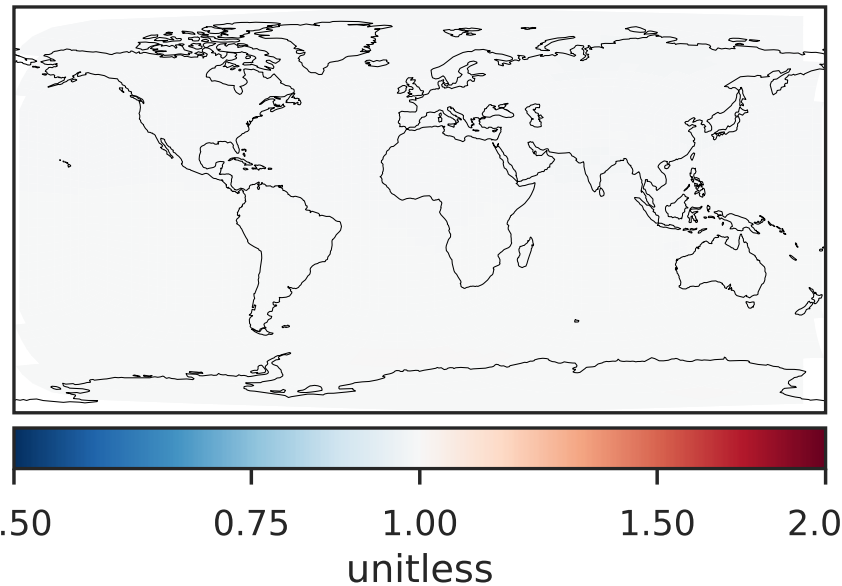
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



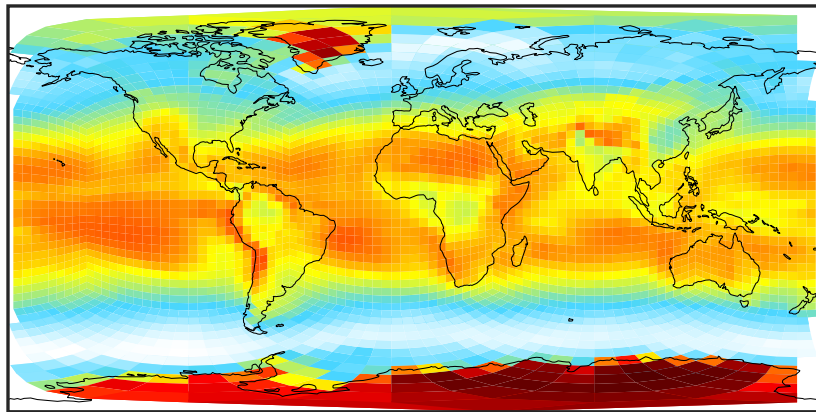
Ratio  
Dev/Ref, Fixed Range





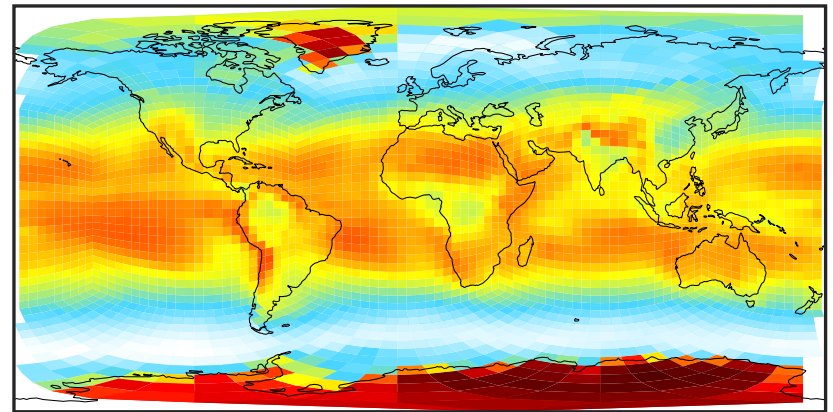
# Jval\_IO (AnnualMean)

GCHP\_14.0.0 (Ref)  
c24



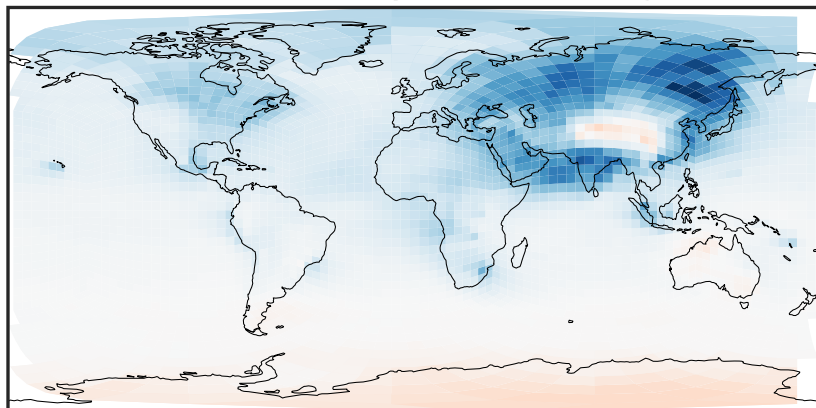
0.050 0.075 0.100  
s-1

GCHP\_14.2.0 (Dev)  
c24



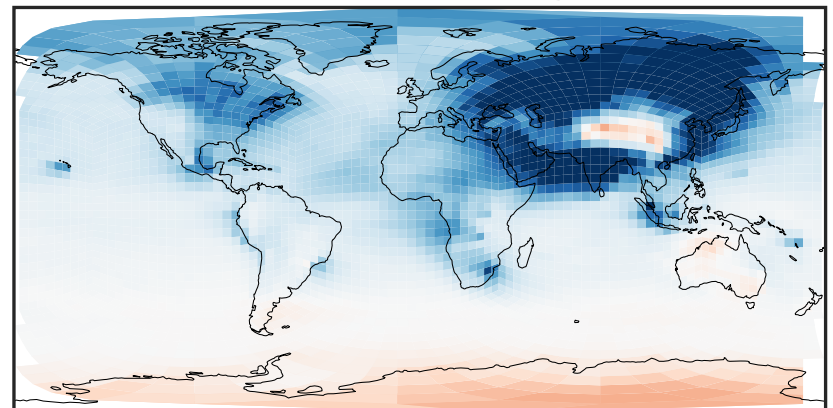
0.050 0.075 0.100  
s-1

Difference  
Dev - Ref, Dynamic Range



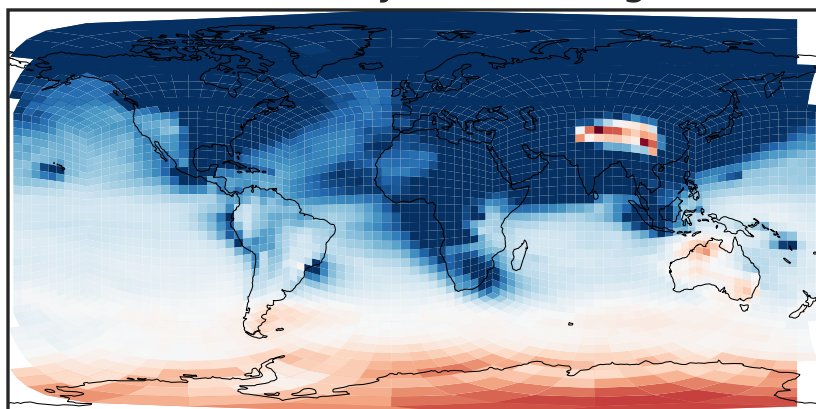
-0.00015 0.00000 0.00015  
s-1

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



-6 0 6  
s-1 1e-5

Ratio  
Dev/Ref, Dynamic Range



0.999417 1.000000 1.000583  
unitless

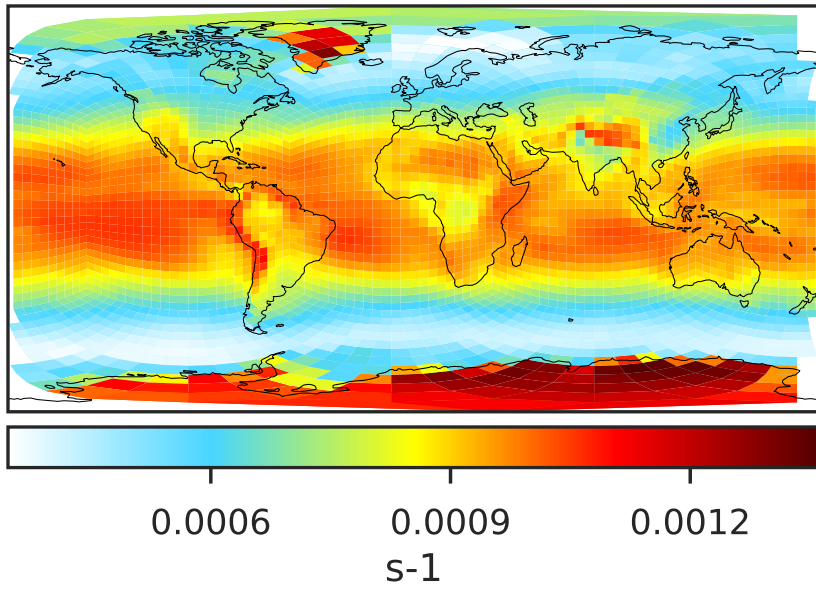
Ratio  
Dev/Ref, Fixed Range



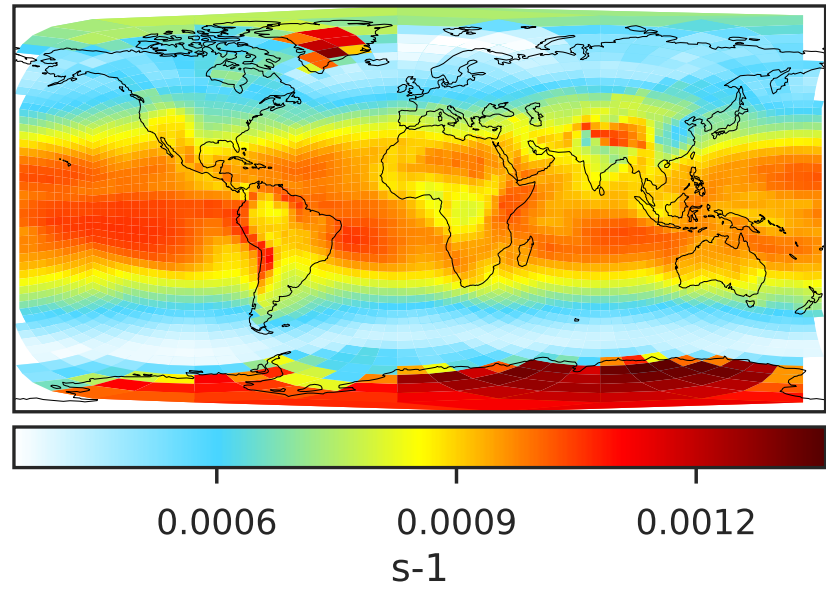
0.50 0.75 1.00 1.50 2.00  
unitless

# Jval\_IONO (AnnualMean)

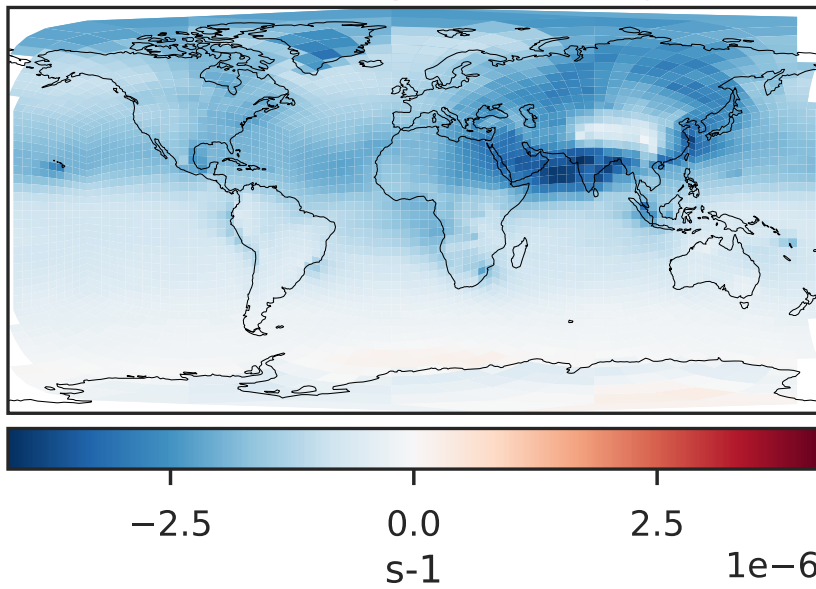
GCHP\_14.0.0 (Ref)  
c24



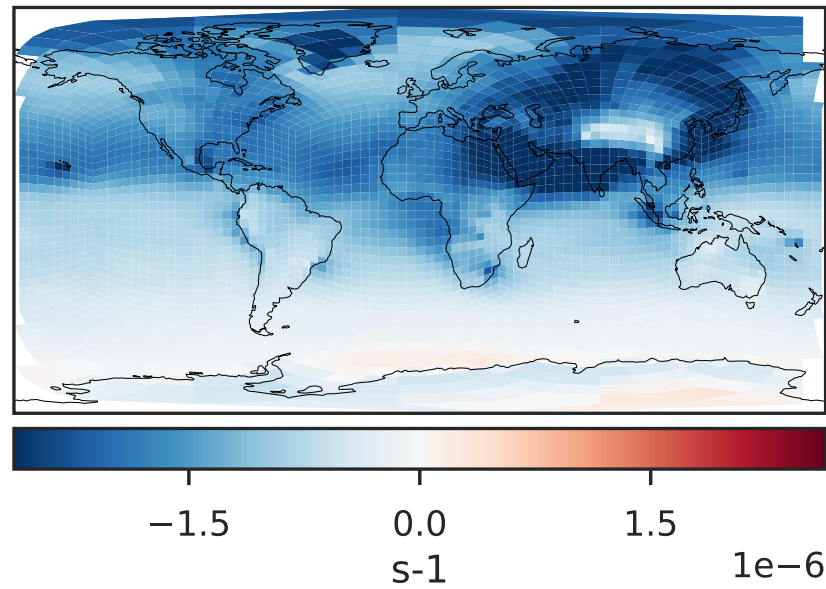
GCHP\_14.2.0 (Dev)  
c24



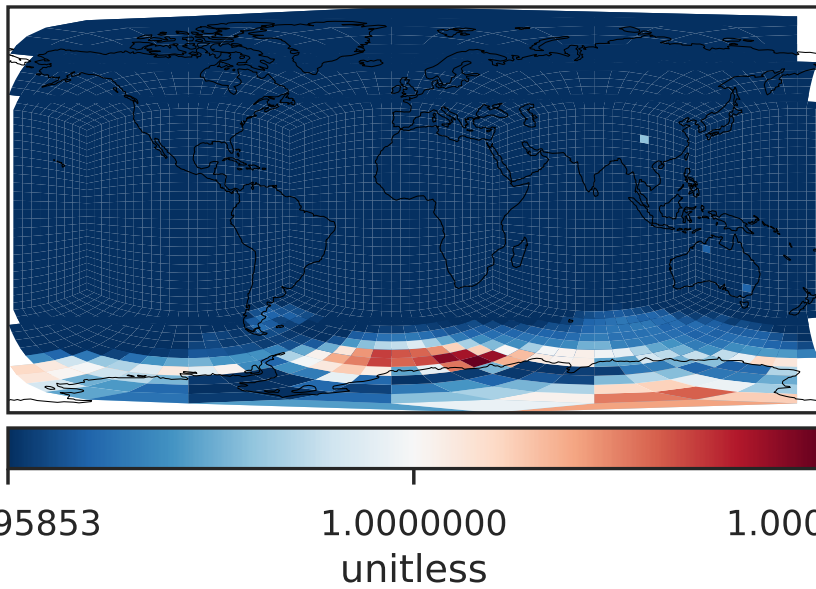
Difference  
Dev - Ref, Dynamic Range



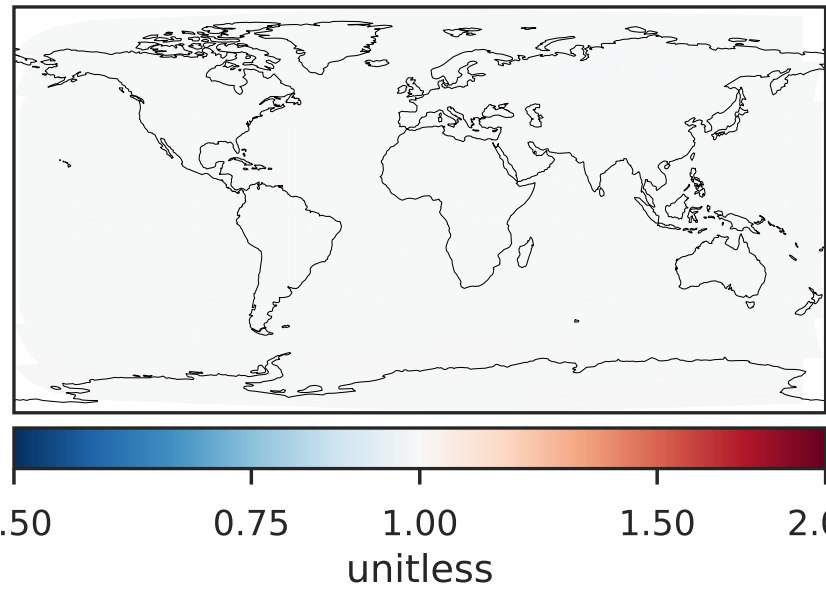
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



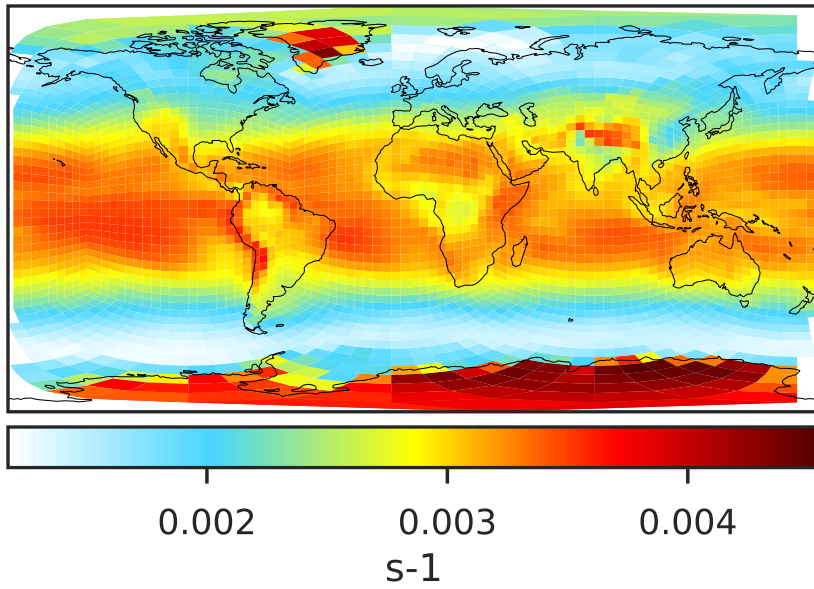
Ratio  
Dev/Ref, Fixed Range



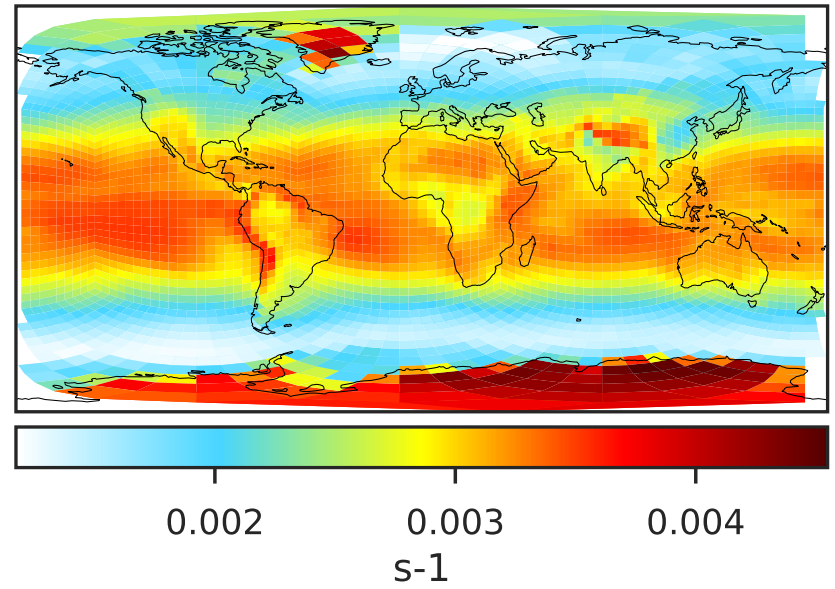


# Jval\_IONO2 (AnnualMean)

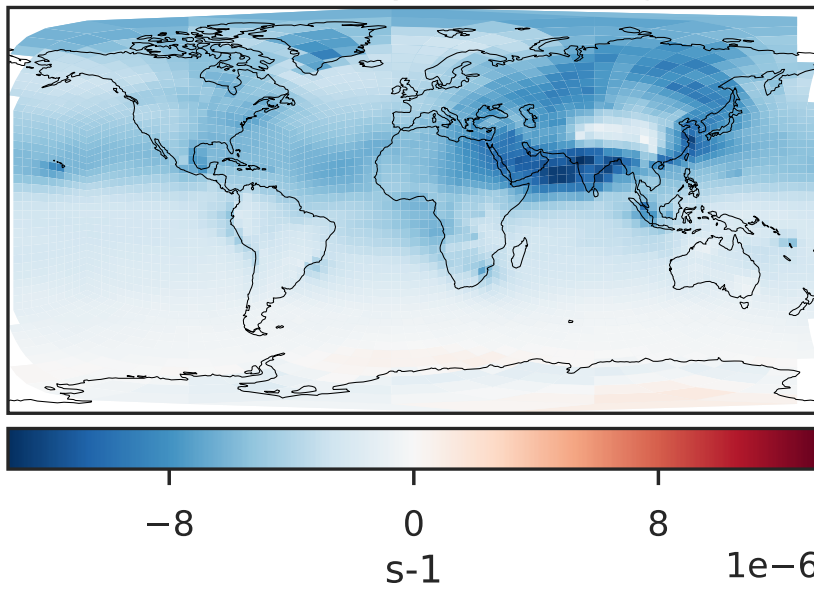
GCHP\_14.0.0 (Ref)  
c24



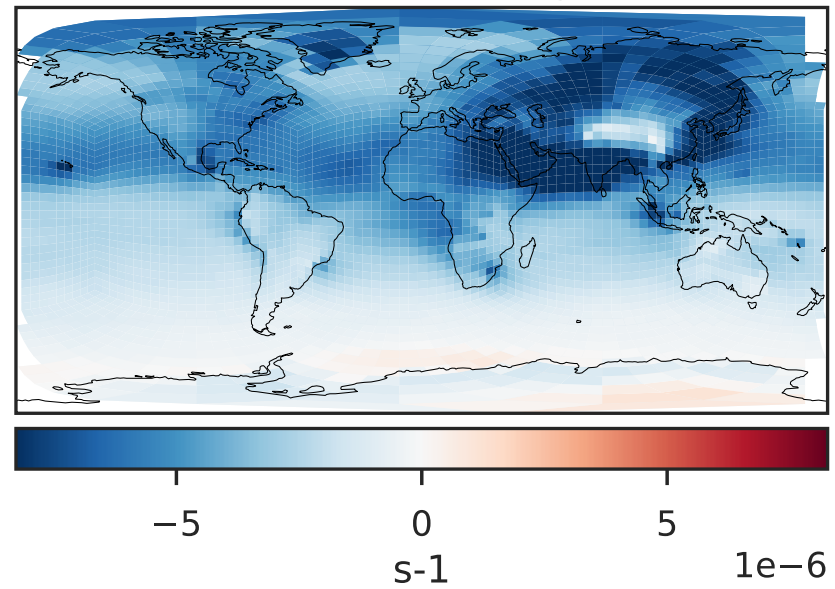
GCHP\_14.2.0 (Dev)  
c24



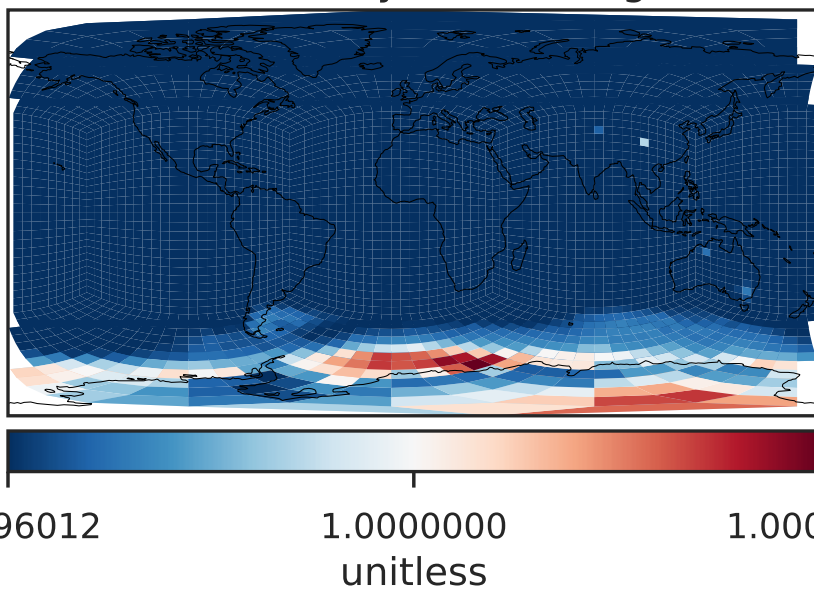
Difference  
Dev - Ref, Dynamic Range



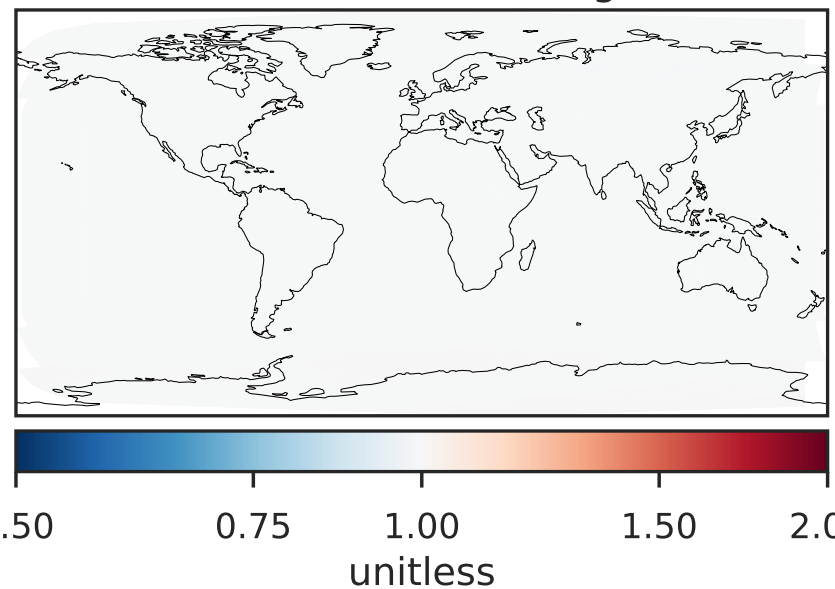
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



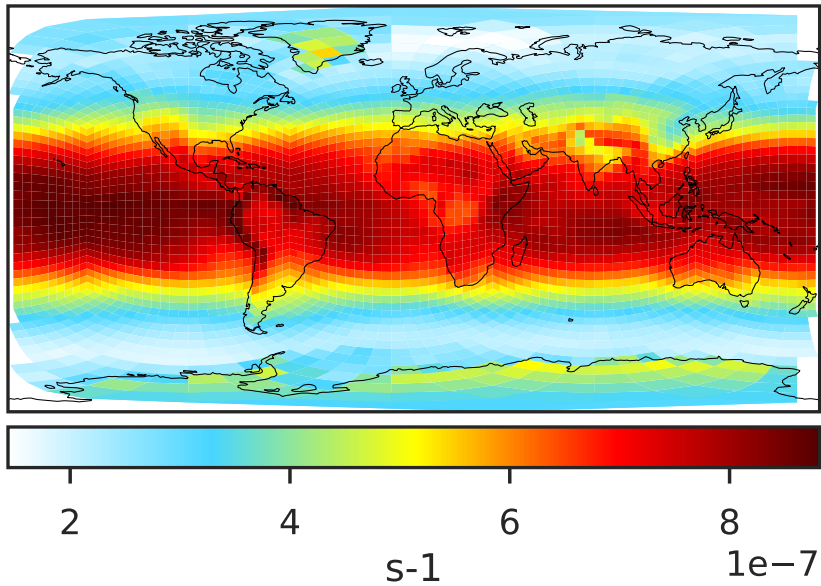
Ratio  
Dev/Ref, Fixed Range



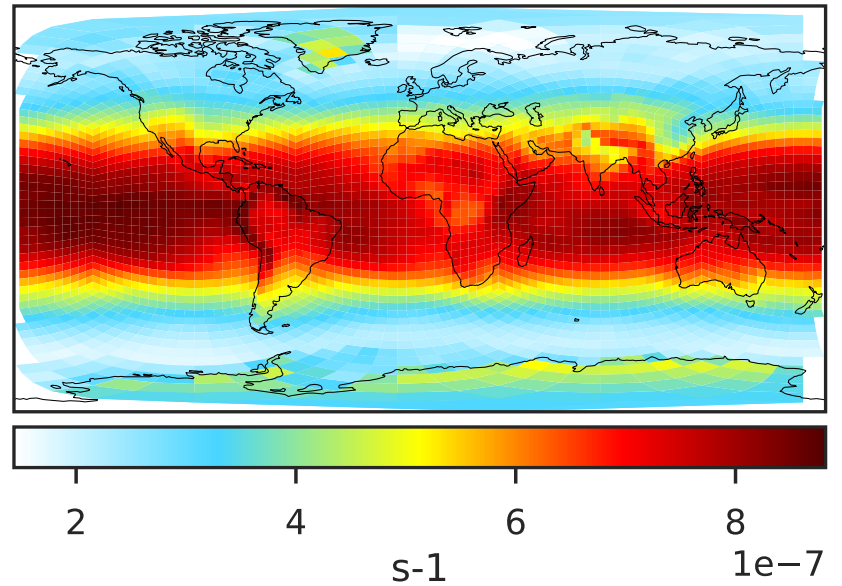


# Jval\_IPRNO3 (AnnualMean)

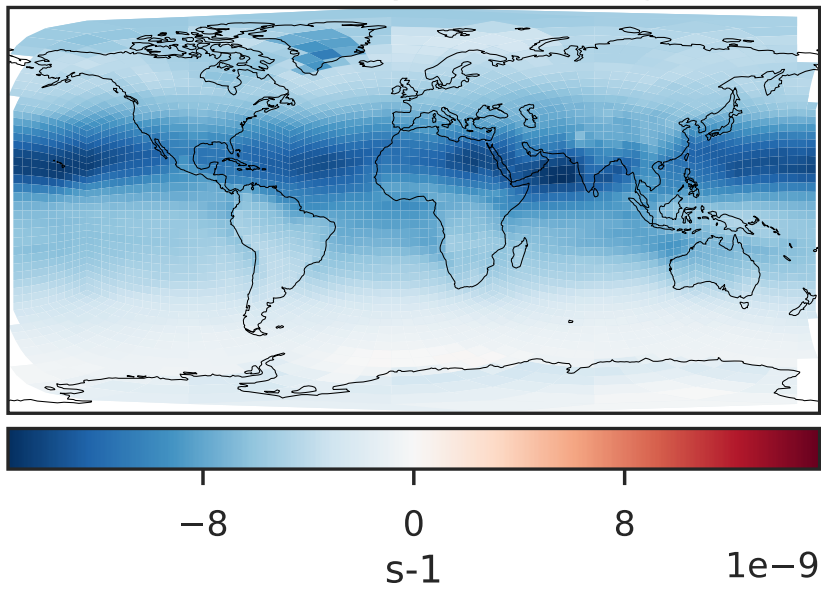
GCHP\_14.0.0 (Ref)  
c24



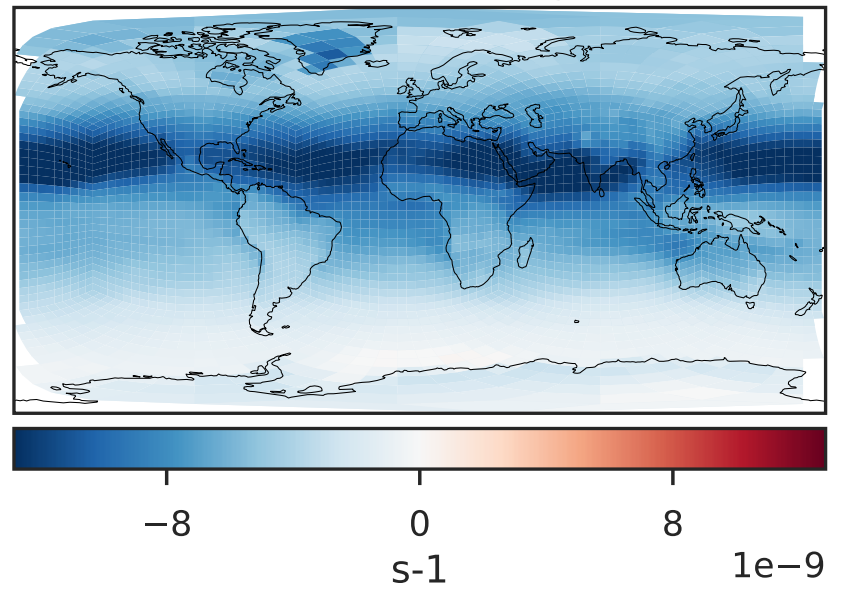
GCHP\_14.2.0 (Dev)  
c24



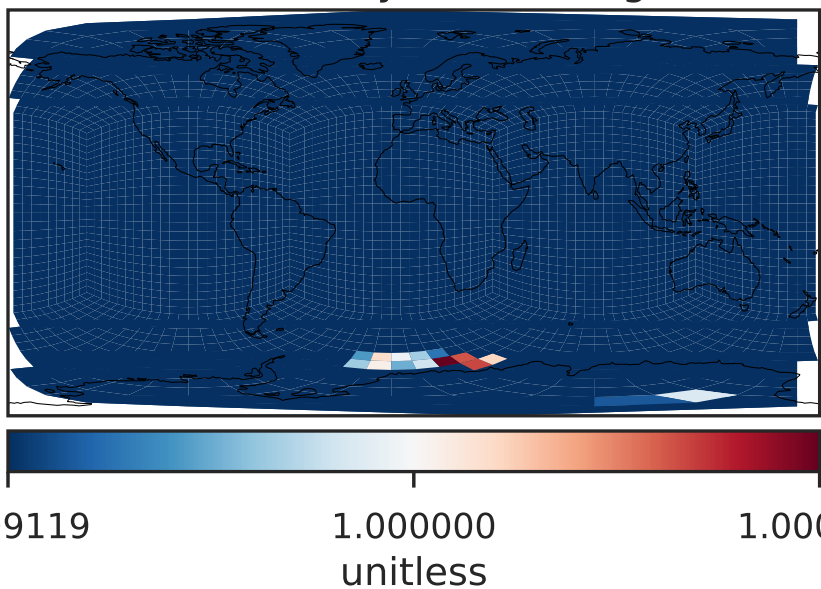
Difference  
Dev - Ref, Dynamic Range



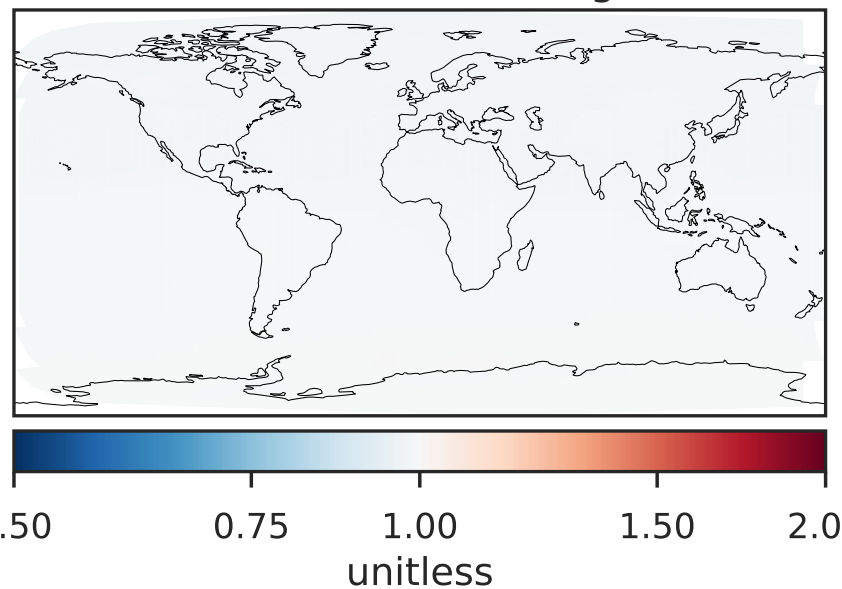
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

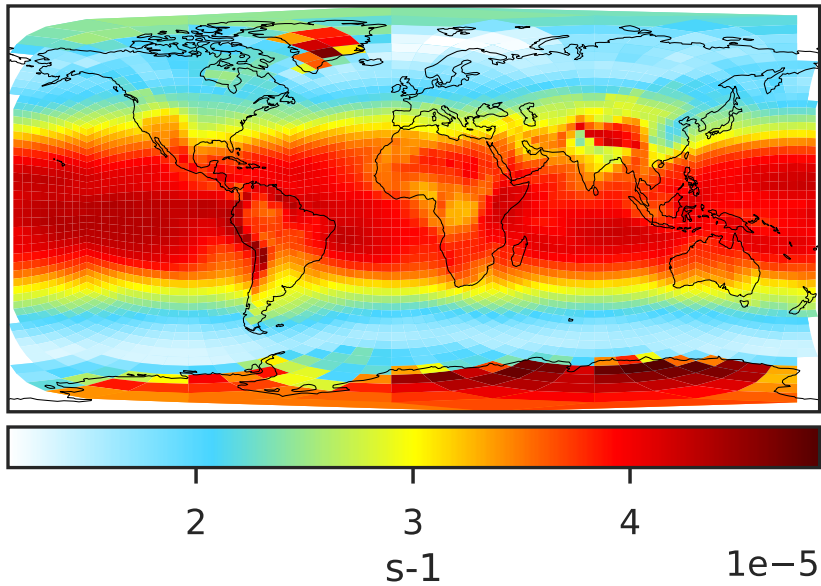


Ratio  
Dev/Ref, Fixed Range

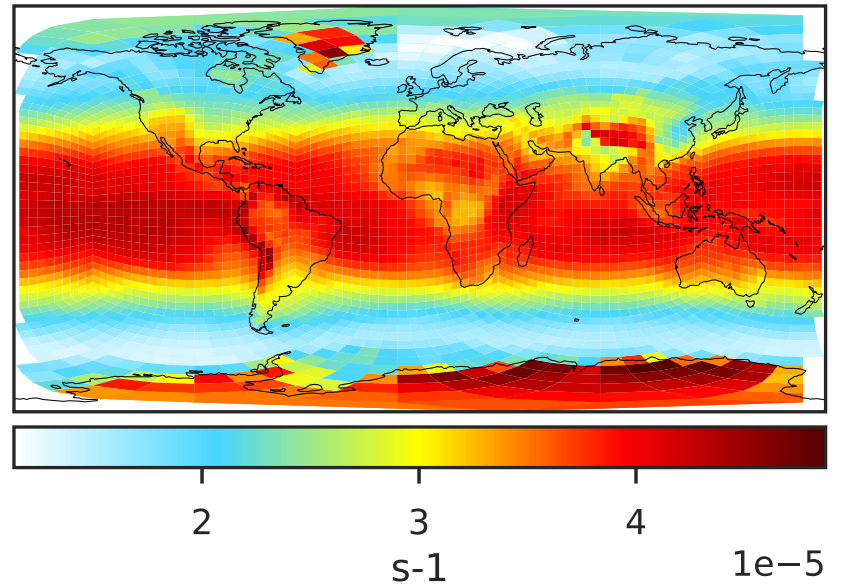


# Jval\_ITCN (AnnualMean)

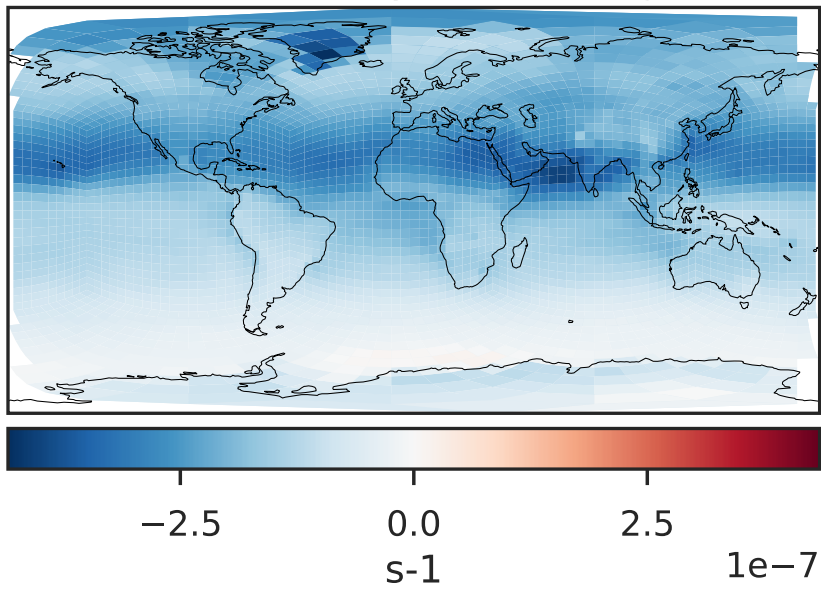
GCHP\_14.0.0 (Ref)  
c24



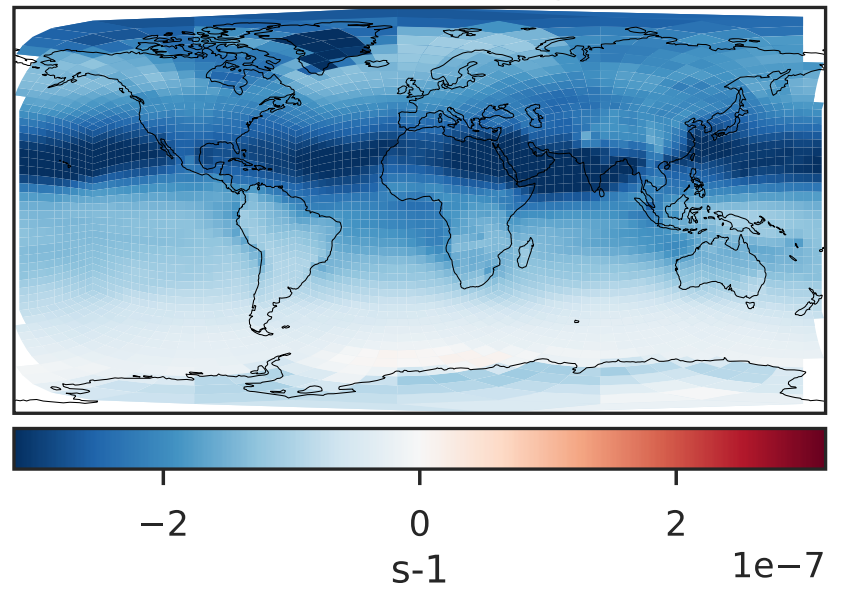
GCHP\_14.2.0 (Dev)  
c24



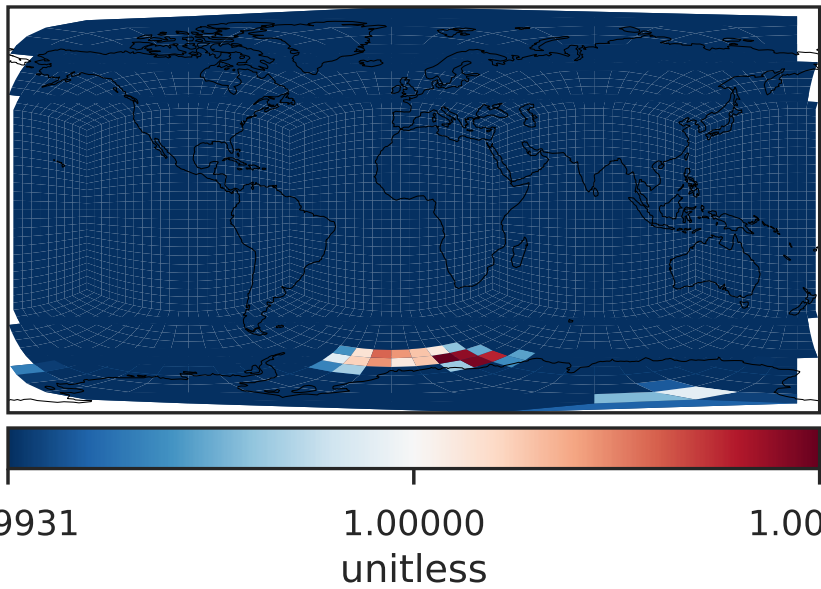
Difference  
Dev - Ref, Dynamic Range



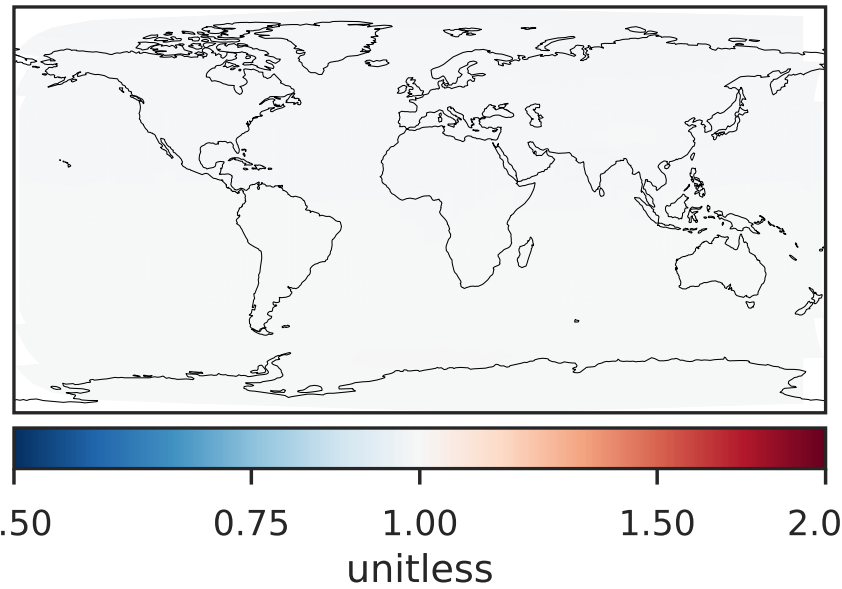
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



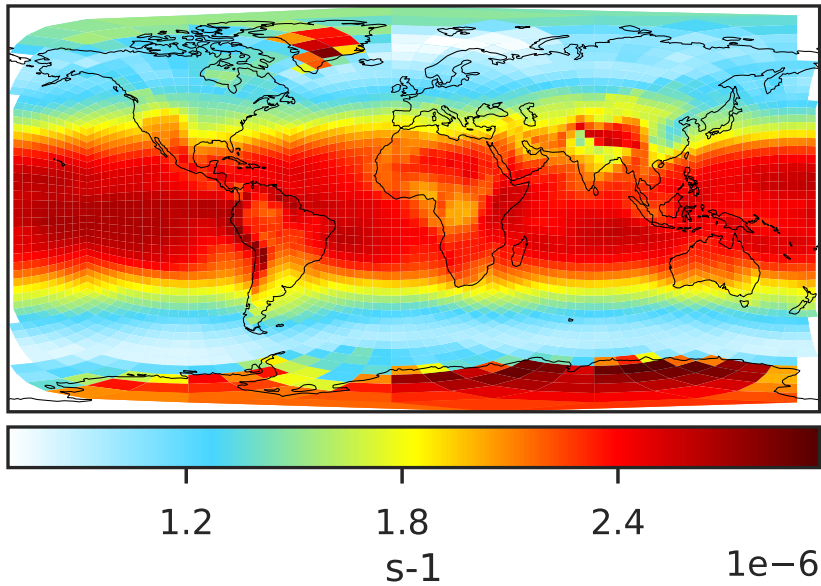
Ratio  
Dev/Ref, Fixed Range



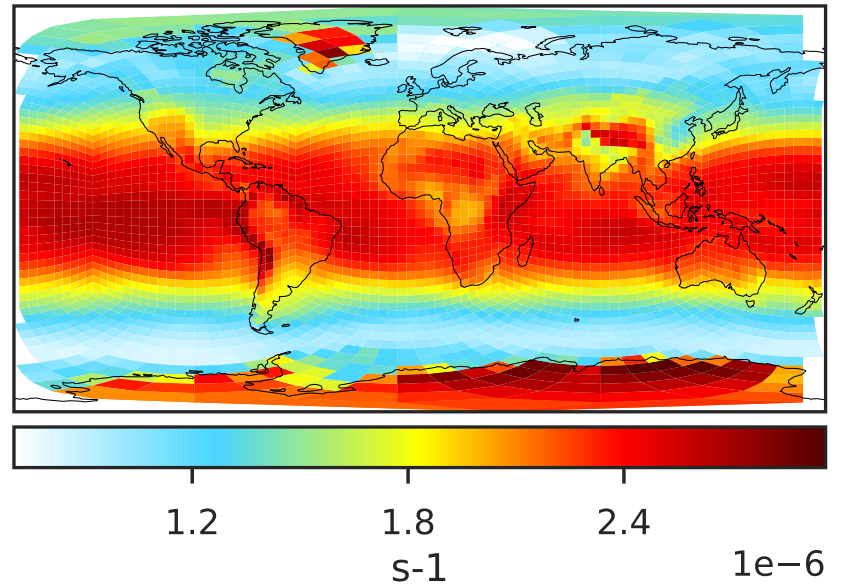


# Jval\_ITHN (AnnualMean)

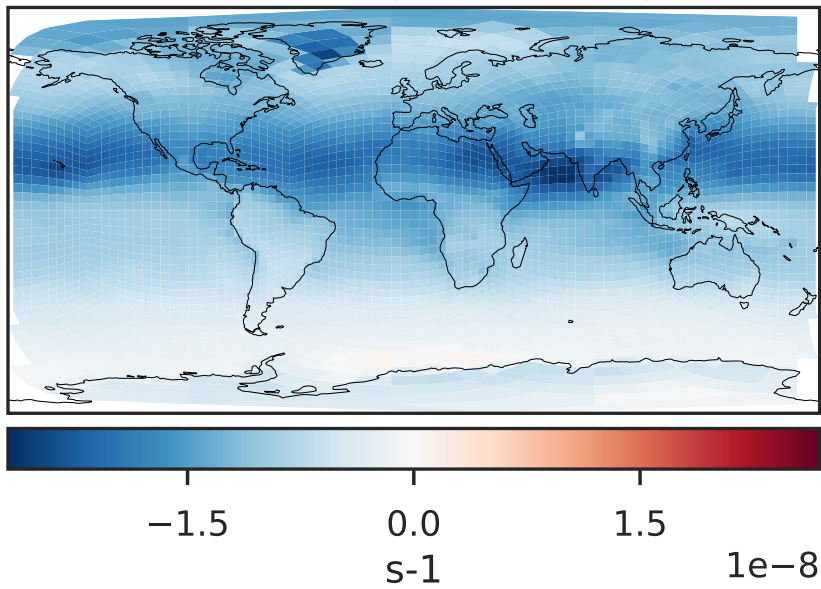
GCHP\_14.0.0 (Ref)  
c24



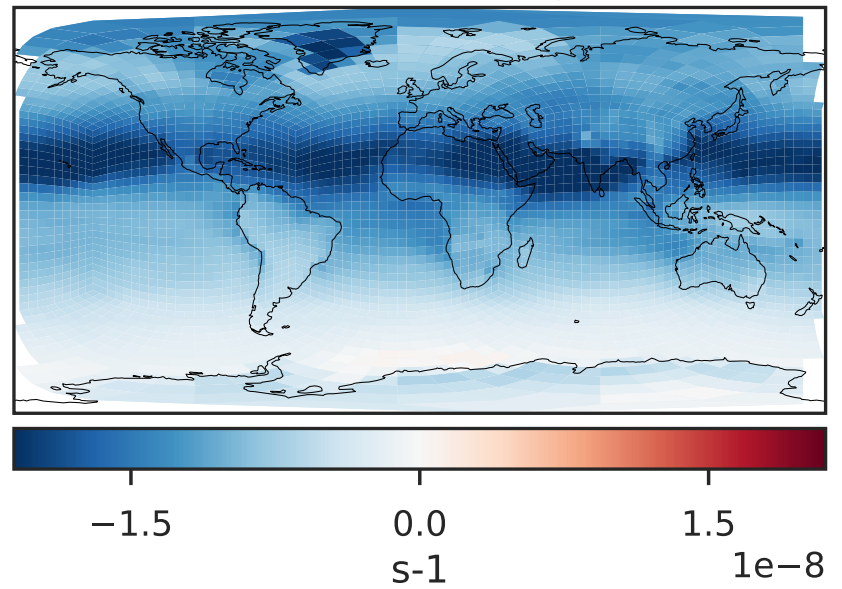
GCHP\_14.2.0 (Dev)  
c24



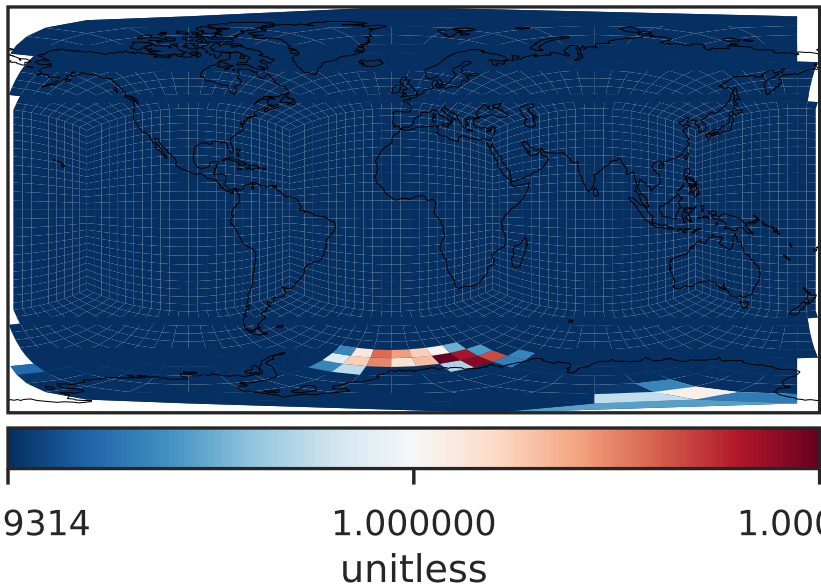
Difference  
Dev - Ref, Dynamic Range



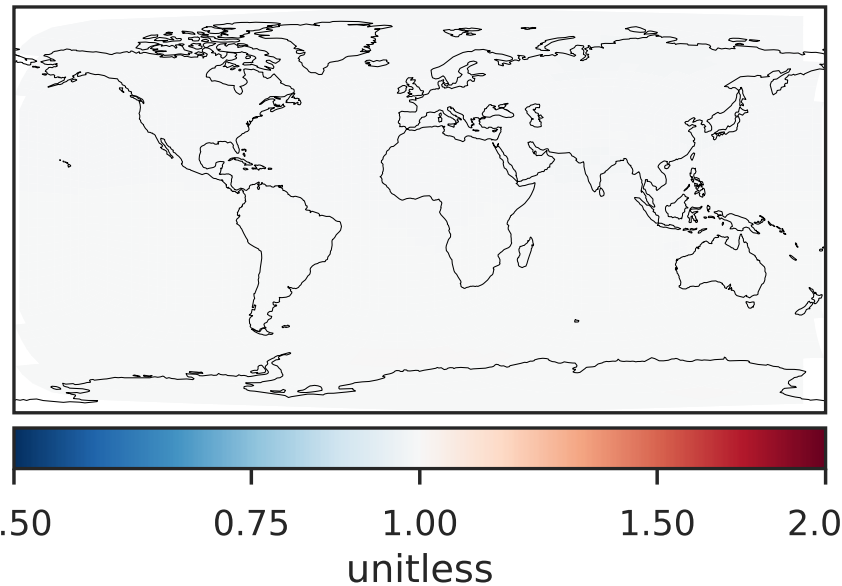
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



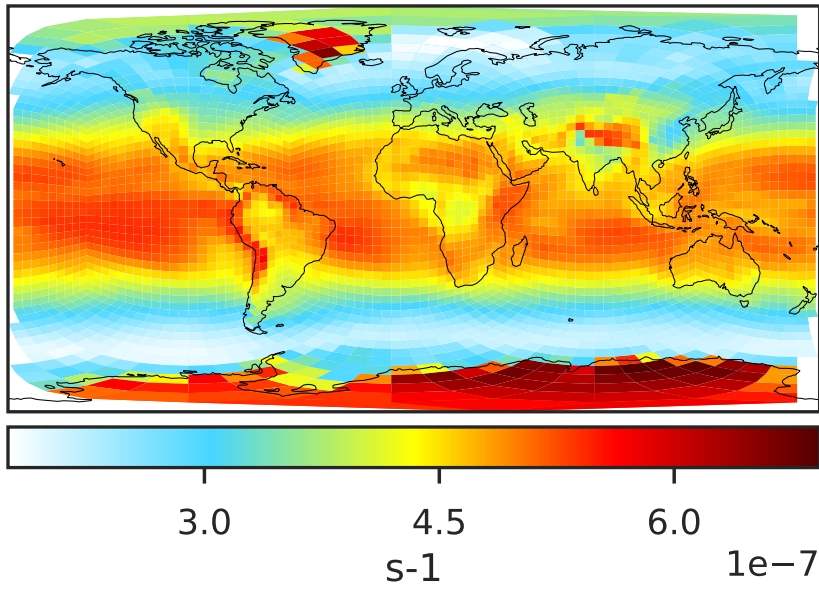
Ratio  
Dev/Ref, Fixed Range



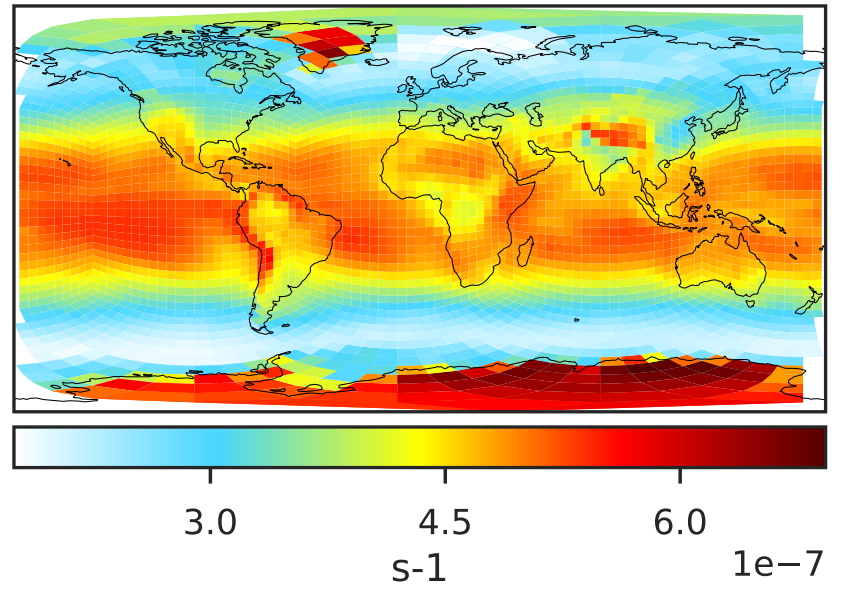


# Jval\_MACR (AnnualMean)

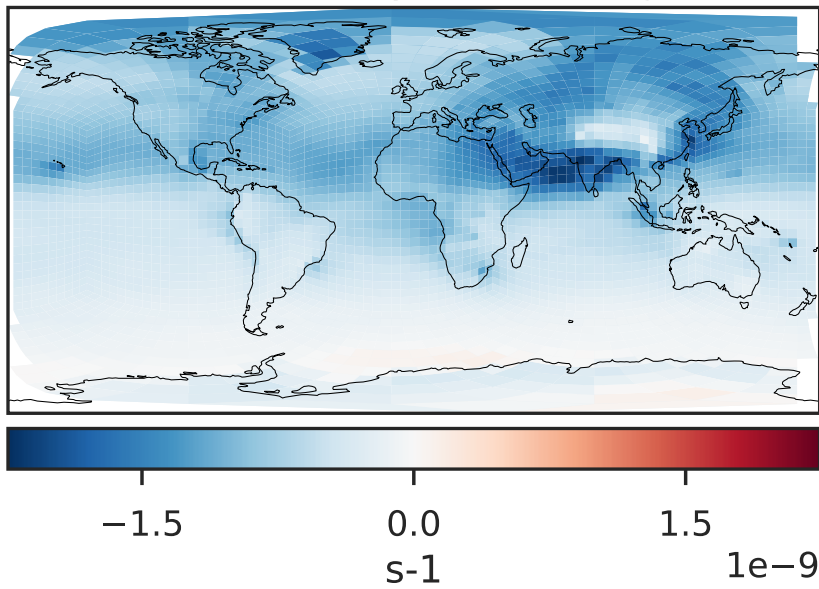
GCHP\_14.0.0 (Ref)  
c24



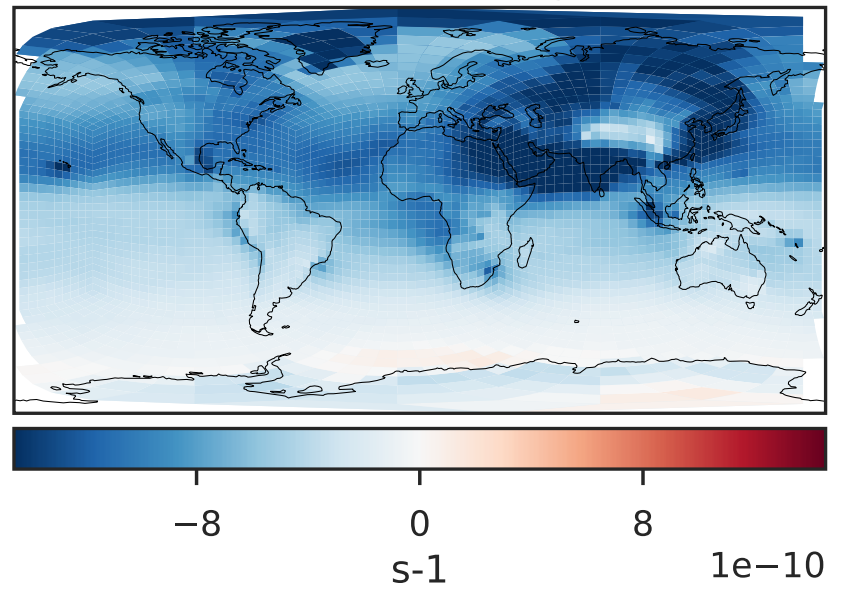
GCHP\_14.2.0 (Dev)  
c24



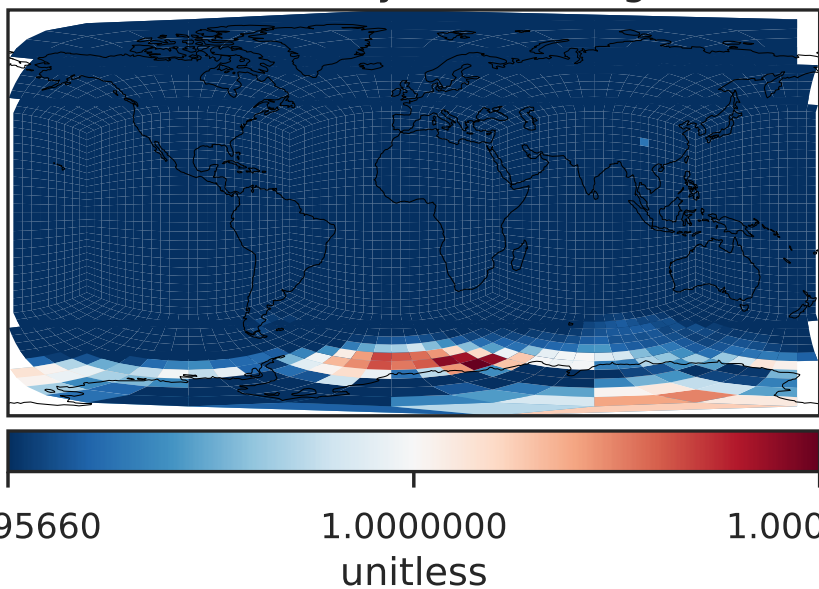
Difference  
Dev - Ref, Dynamic Range



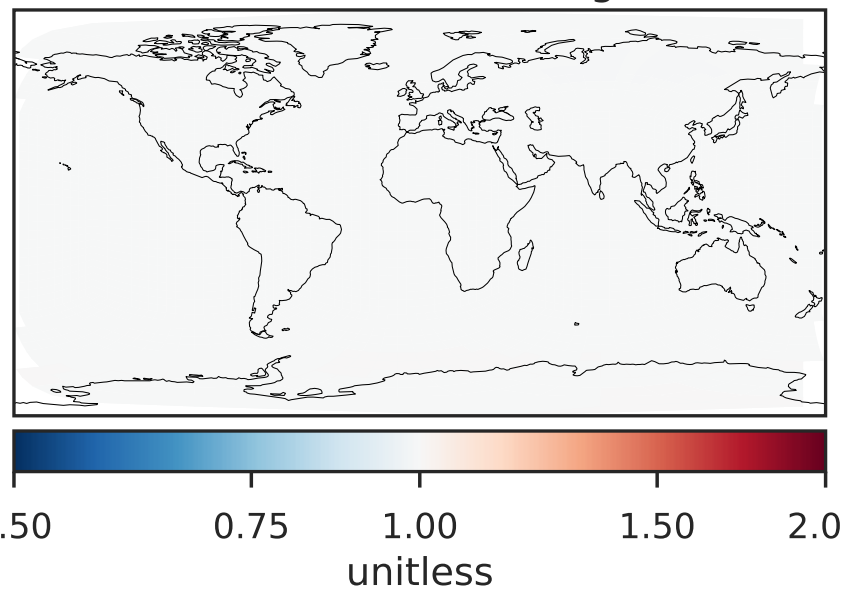
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

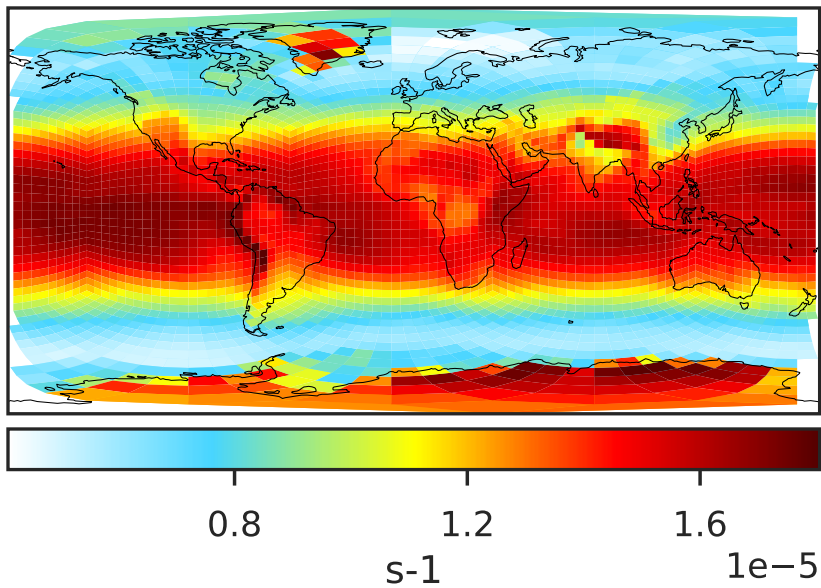


Ratio  
Dev/Ref, Fixed Range

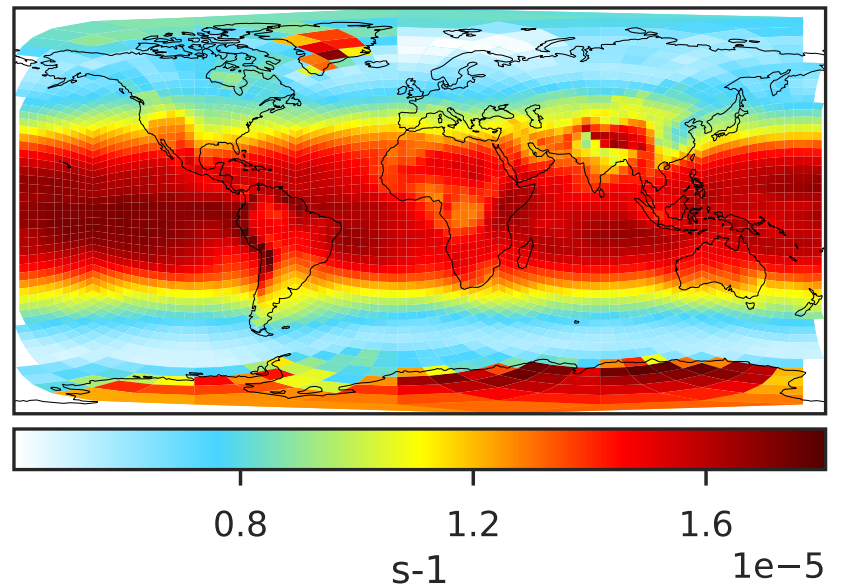


# Jval\_MACR100H (AnnualMean)

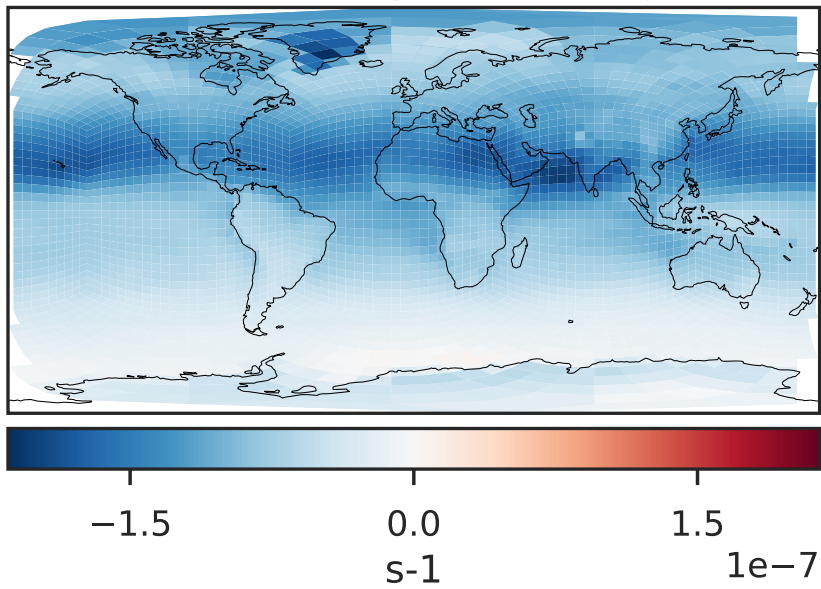
GCHP\_14.0.0 (Ref)  
c24



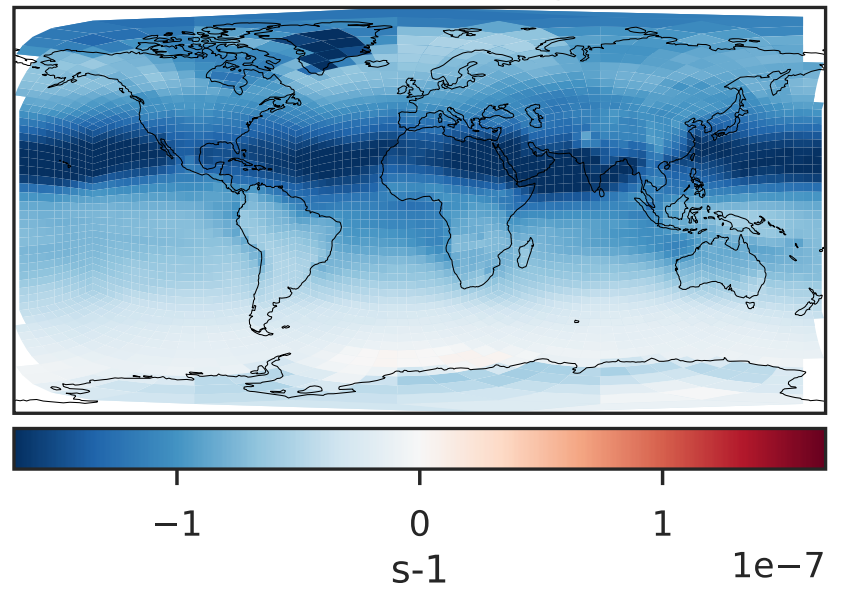
GCHP\_14.2.0 (Dev)  
c24



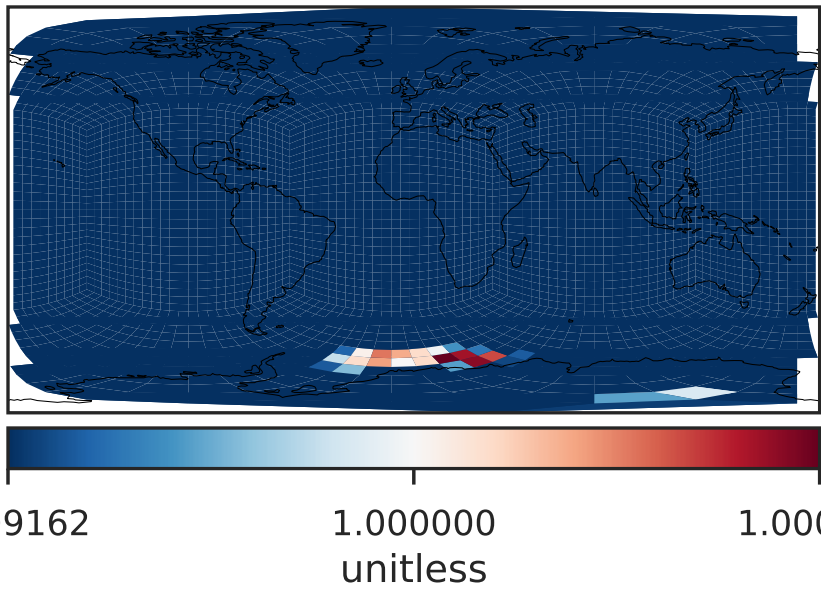
Difference  
Dev - Ref, Dynamic Range



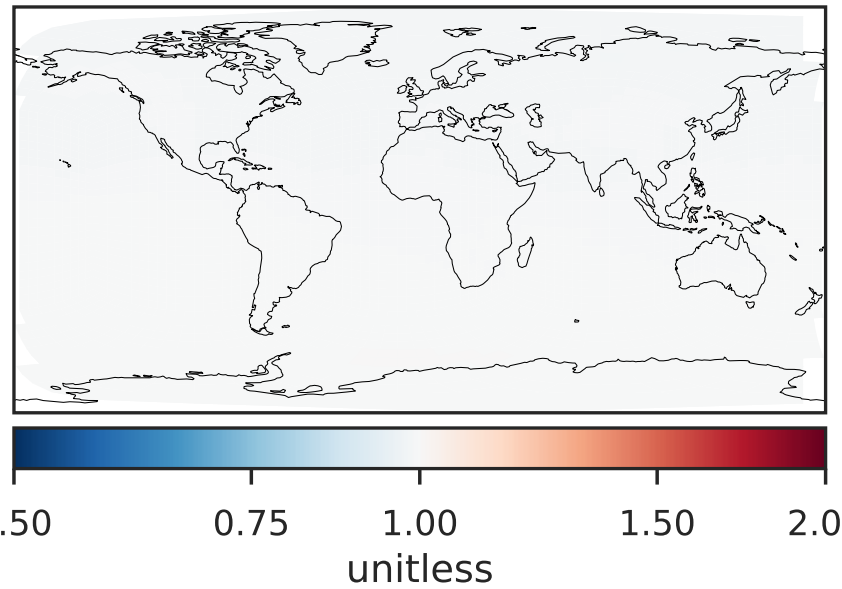
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



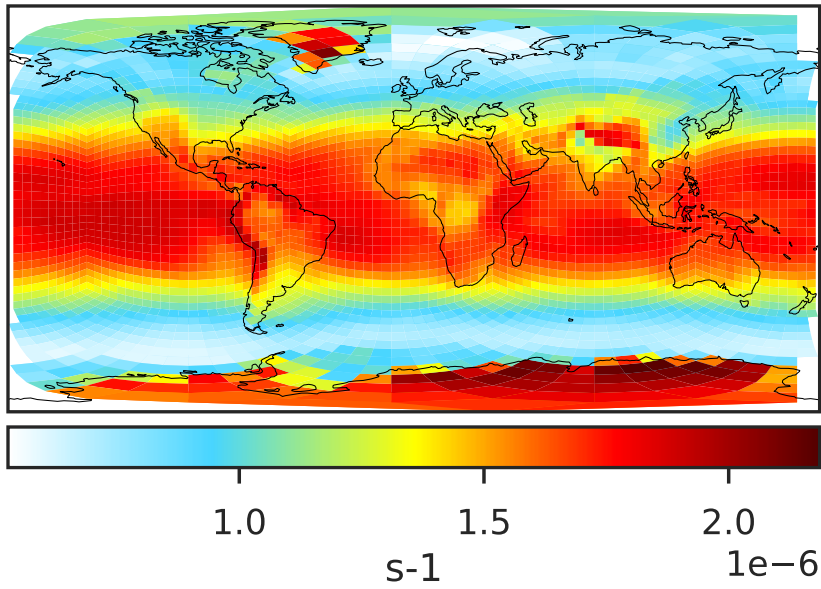
Ratio  
Dev/Ref, Fixed Range



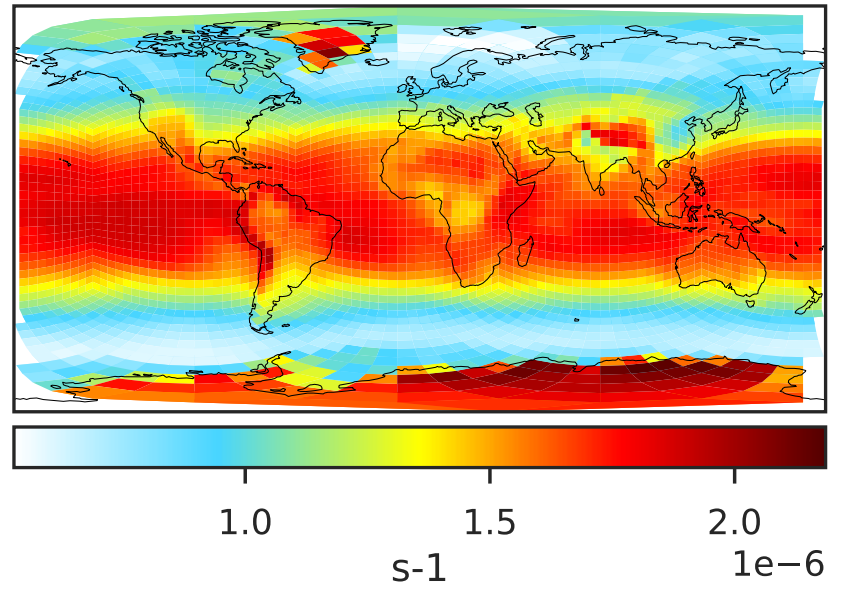


# Jval\_MAP (AnnualMean)

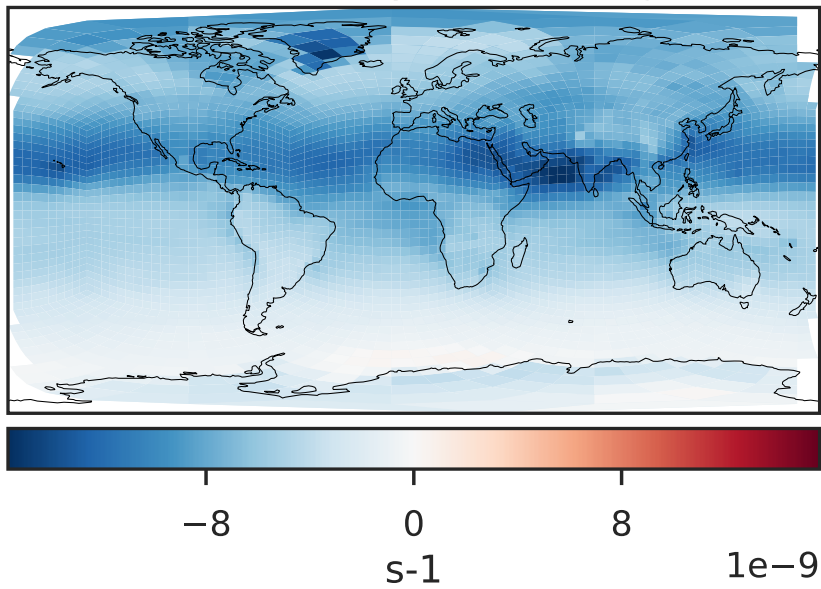
GCHP\_14.0.0 (Ref)  
c24



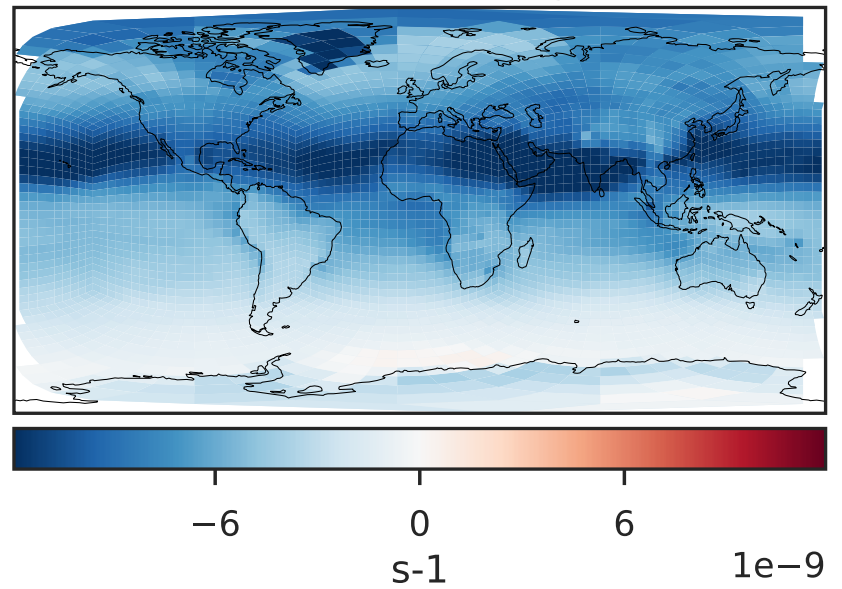
GCHP\_14.2.0 (Dev)  
c24



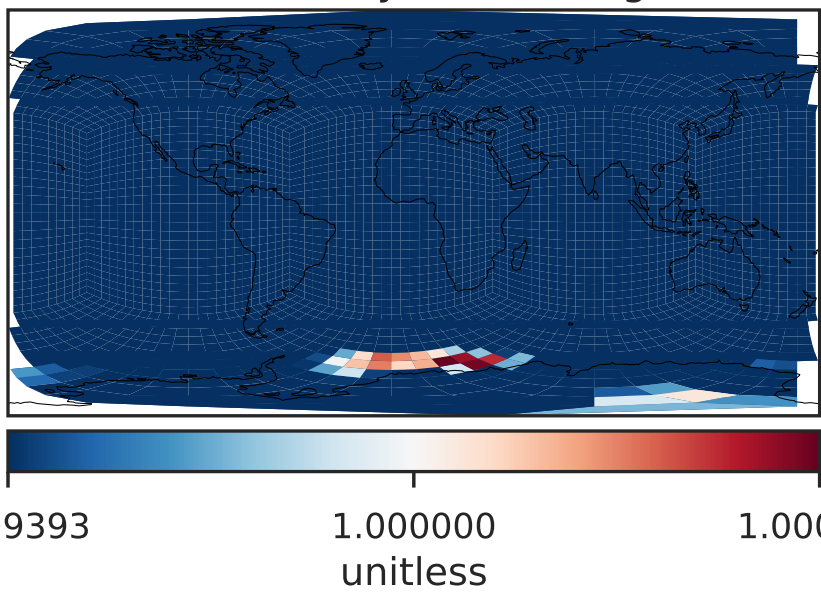
Difference  
Dev - Ref, Dynamic Range



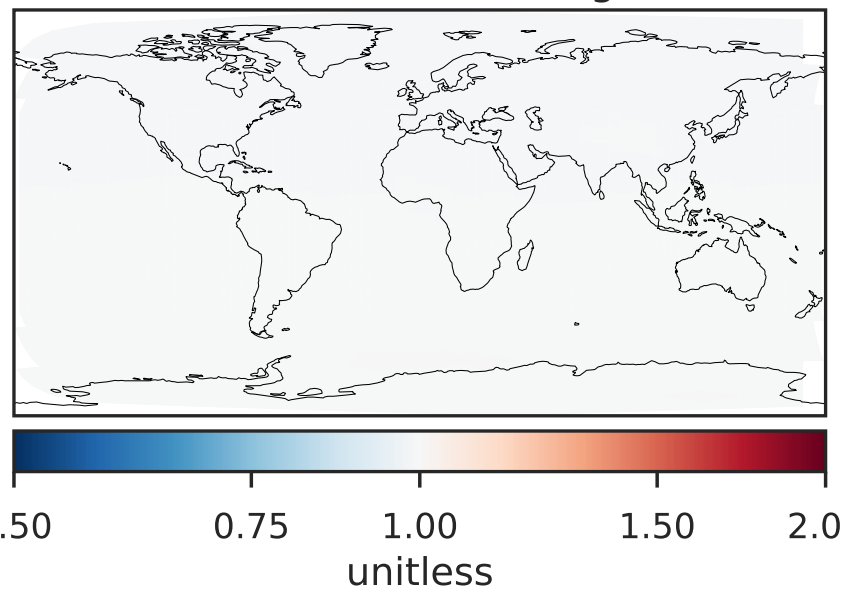
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

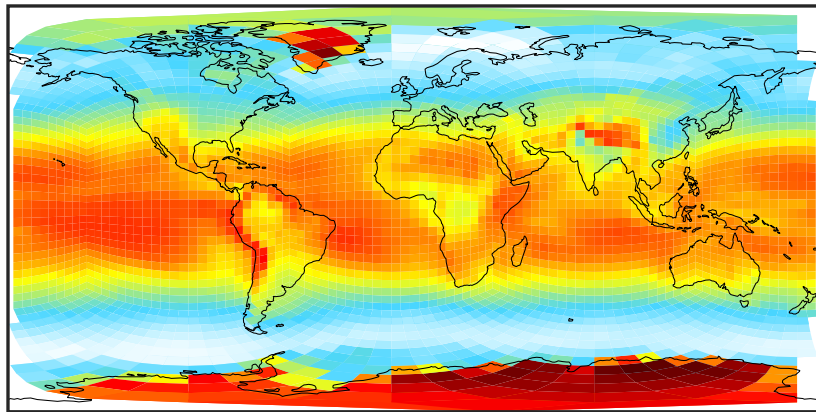


Ratio  
Dev/Ref, Fixed Range



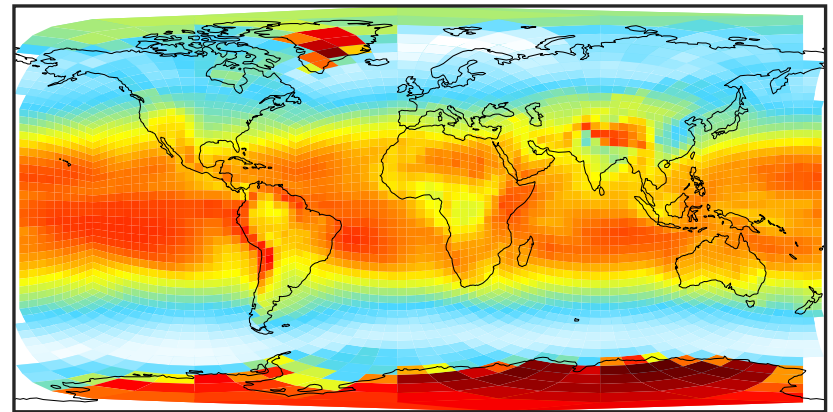
# Jval\_MCRENOL (AnnualMean)

GCHP\_14.0.0 (Ref)  
c24



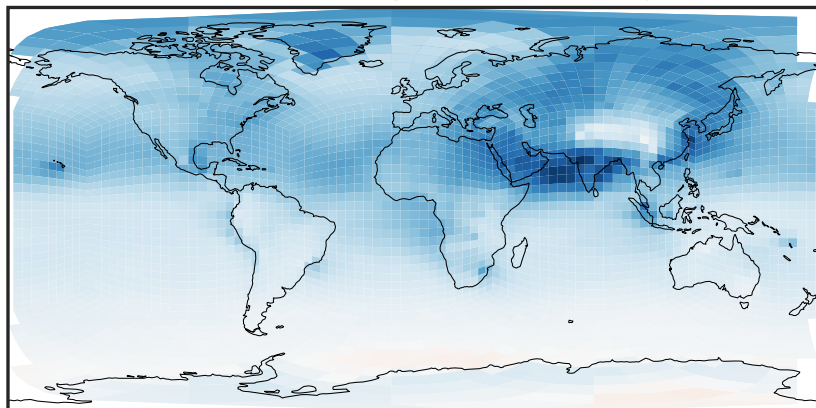
0.000050 0.000075 0.000100 0.000125  
s-1

GCHP\_14.2.0 (Dev)  
c24



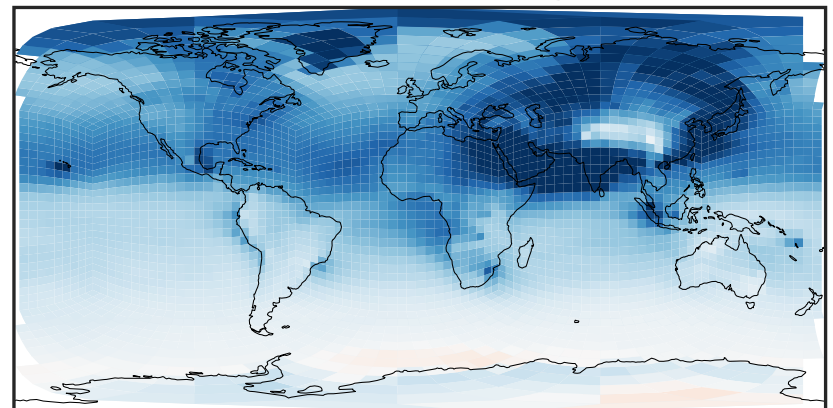
0.000050 0.000075 0.000100 0.000125  
s-1

Difference  
Dev - Ref, Dynamic Range



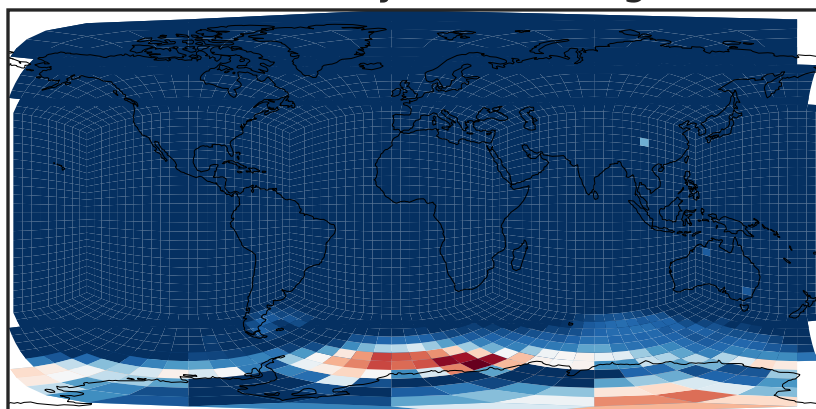
-2.5 0.0 2.5  
s-1 1e-7

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



-1.5 0.0 1.5  
s-1 1e-7

Ratio  
Dev/Ref, Dynamic Range



0.9995776 1.000000 1.0004226  
unitless

Ratio  
Dev/Ref, Fixed Range

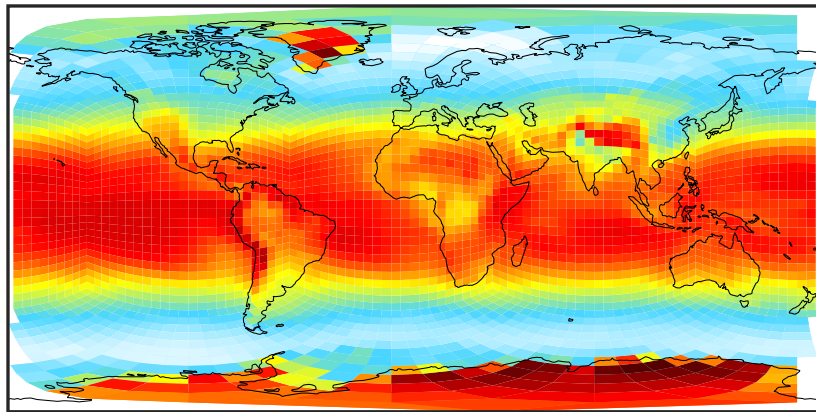


0.50 0.75 1.00 1.50 2.00  
unitless



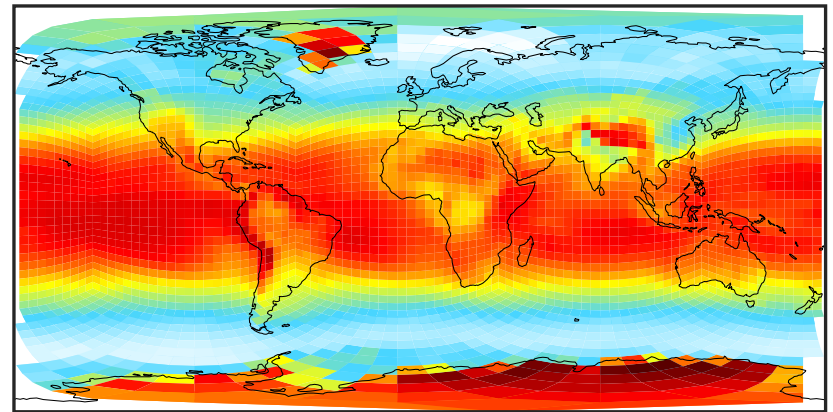
# Jval\_MCRHN (AnnualMean)

GCHP\_14.0.0 (Ref)  
c24



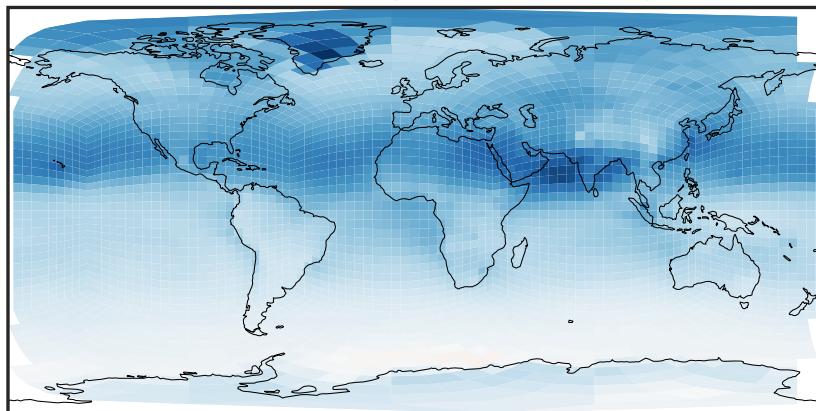
0.000050 0.000075 0.000100 0.000125  
s-1

GCHP\_14.2.0 (Dev)  
c24



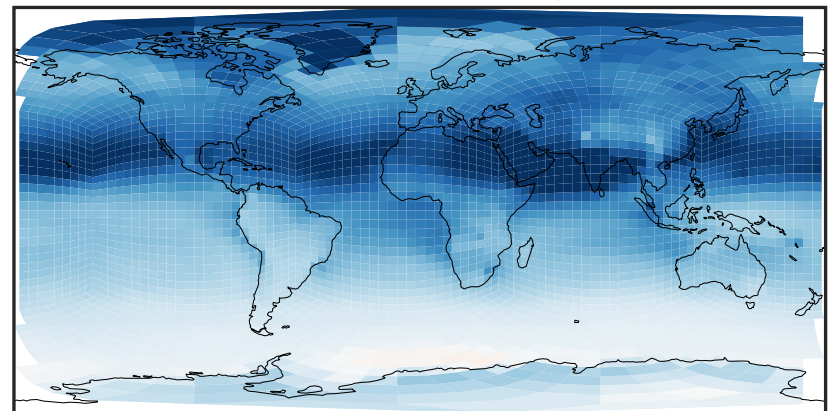
0.000050 0.000075 0.000100 0.000125  
s-1

Difference  
Dev - Ref, Dynamic Range



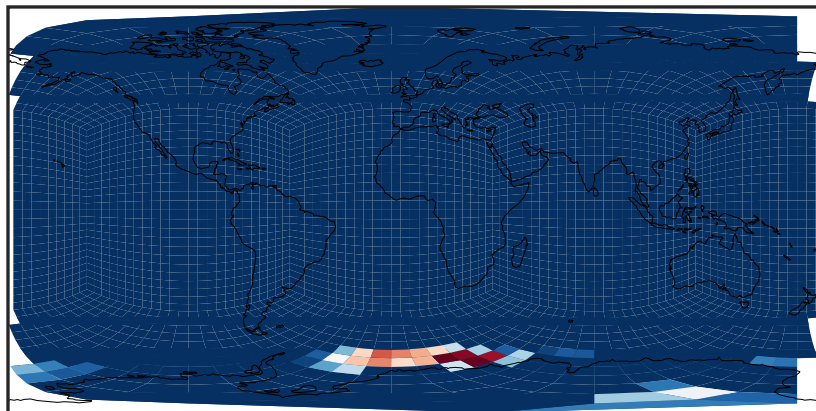
-5 0 5  
s-1 1e-7

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



-4 0 4  
s-1 1e-7

Ratio  
Dev/Ref, Dynamic Range



0.9994 1.0000 1.0006  
unitless

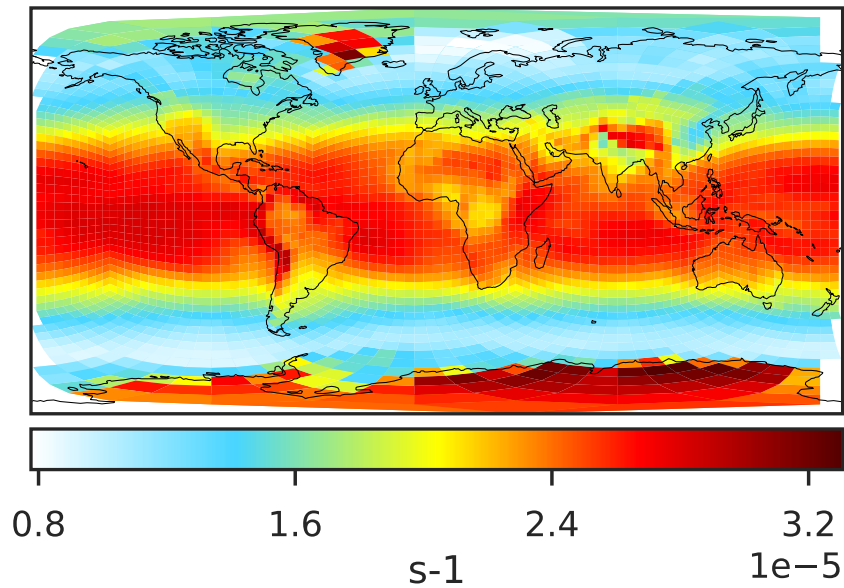
Ratio  
Dev/Ref, Fixed Range



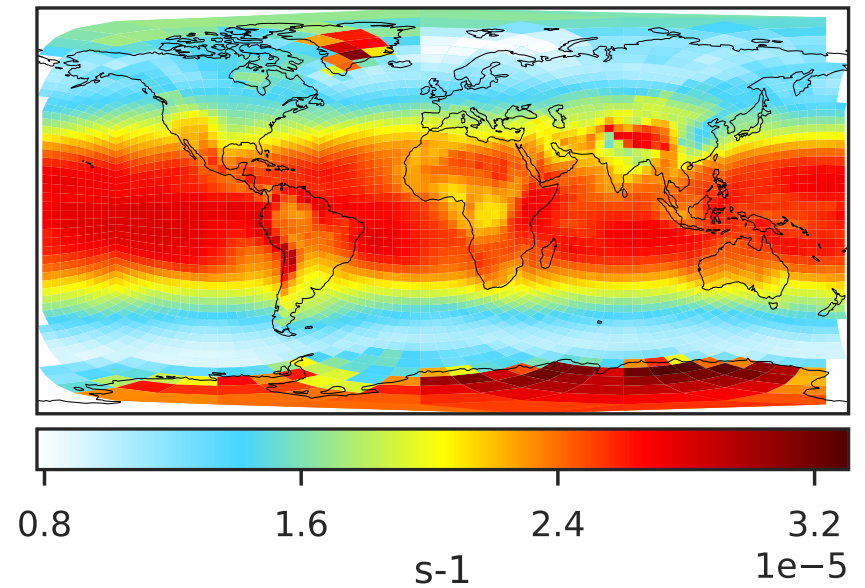
0.50 0.75 1.00 1.50 2.00  
unitless

# Jval\_MCRHNB (AnnualMean)

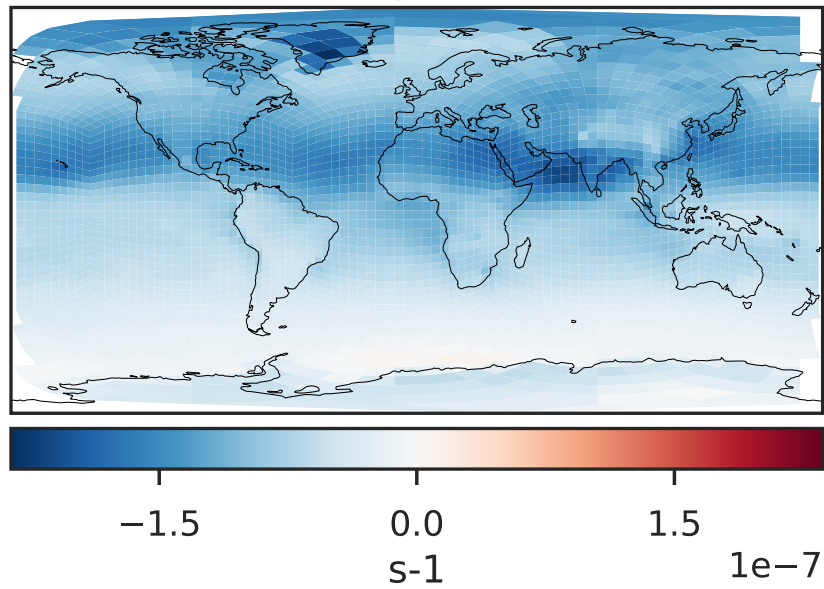
GCHP\_14.0.0 (Ref)  
c24



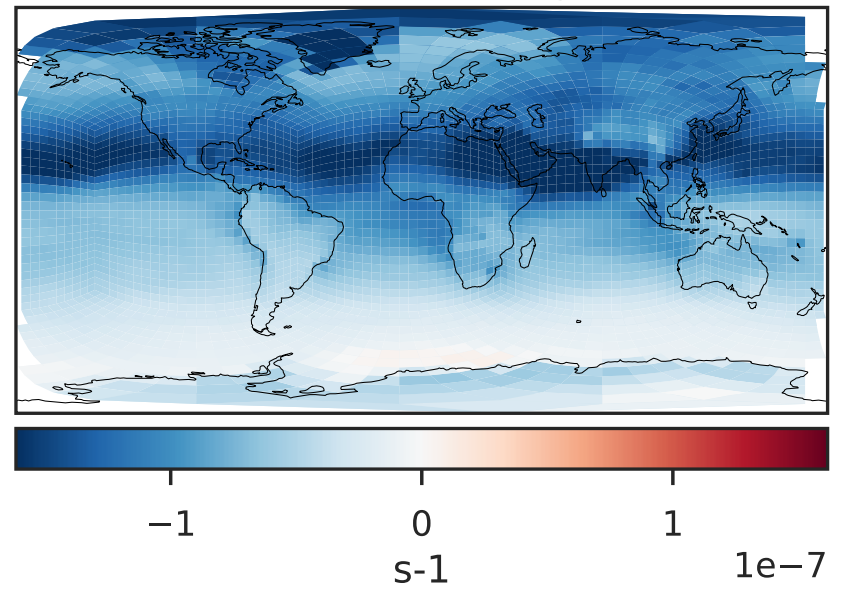
GCHP\_14.2.0 (Dev)  
c24



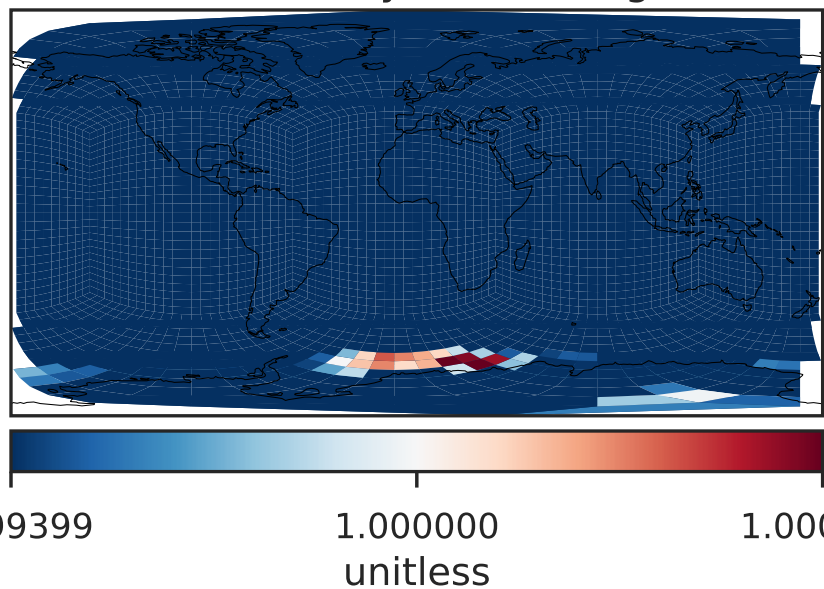
Difference  
Dev - Ref, Dynamic Range



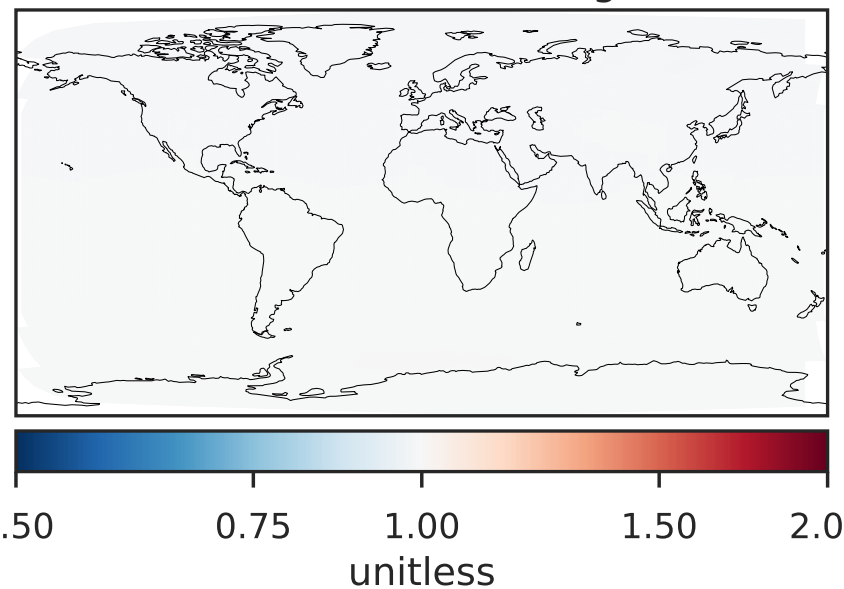
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



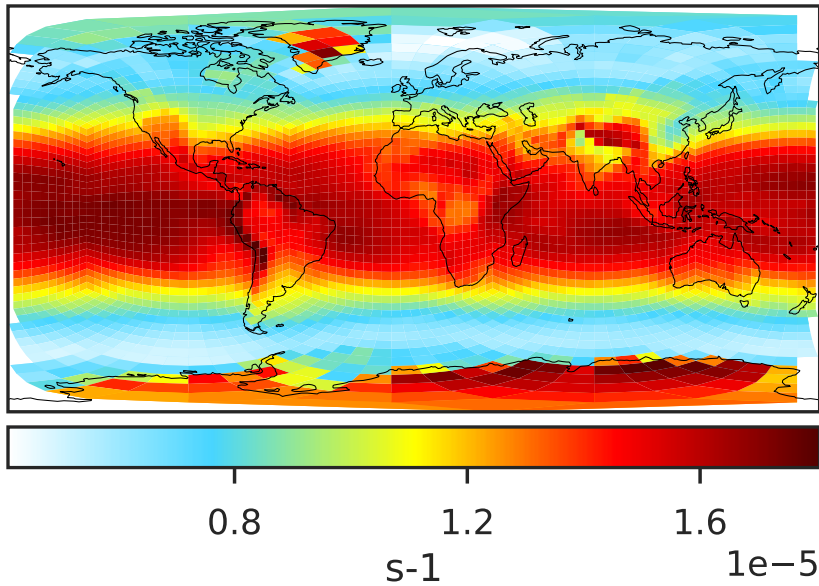
Ratio  
Dev/Ref, Fixed Range



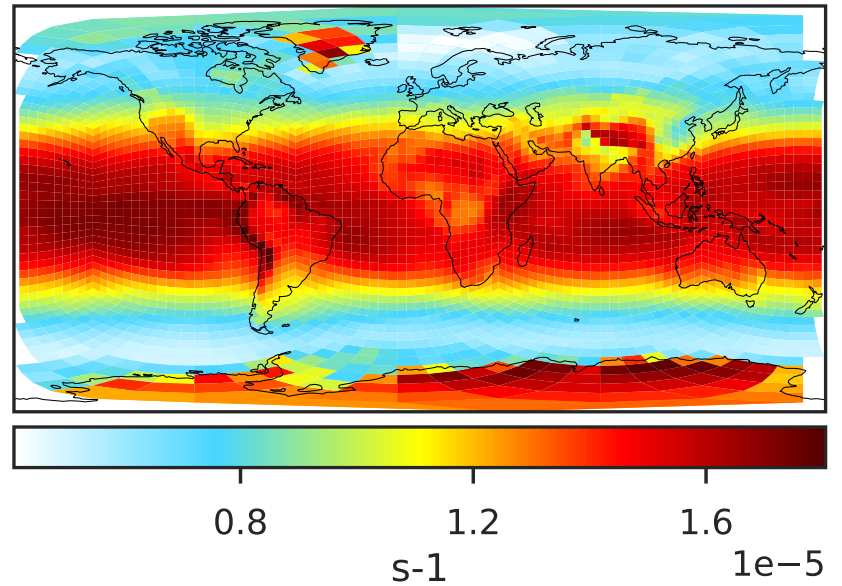


# Jval\_MCRHP (AnnualMean)

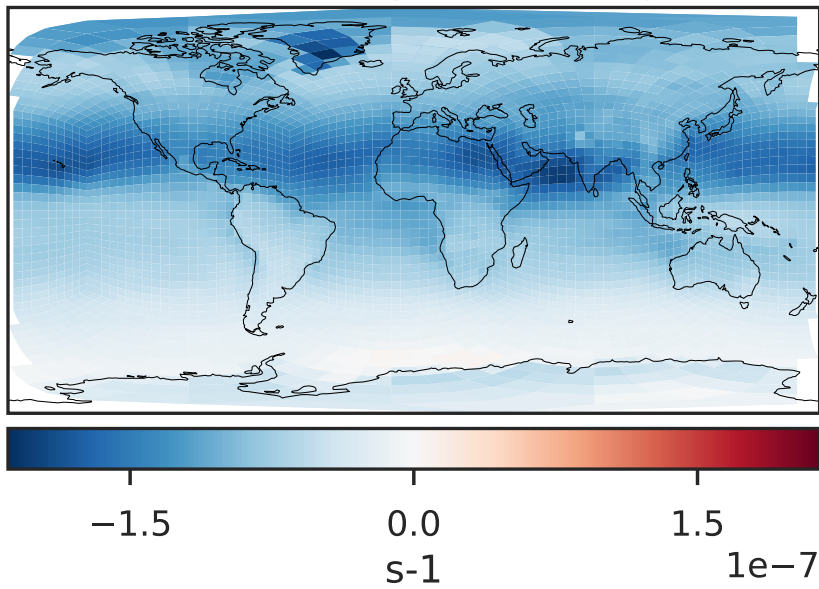
GCHP\_14.0.0 (Ref)  
c24



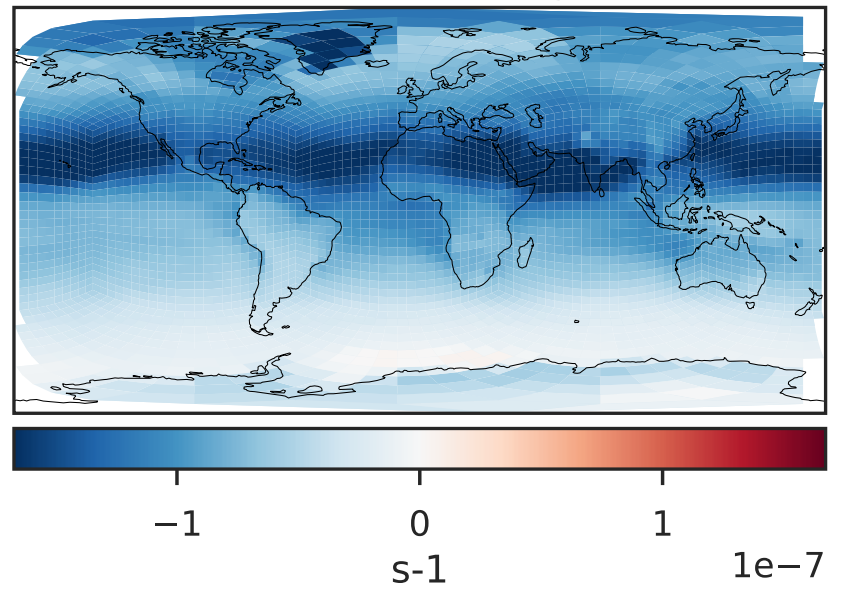
GCHP\_14.2.0 (Dev)  
c24



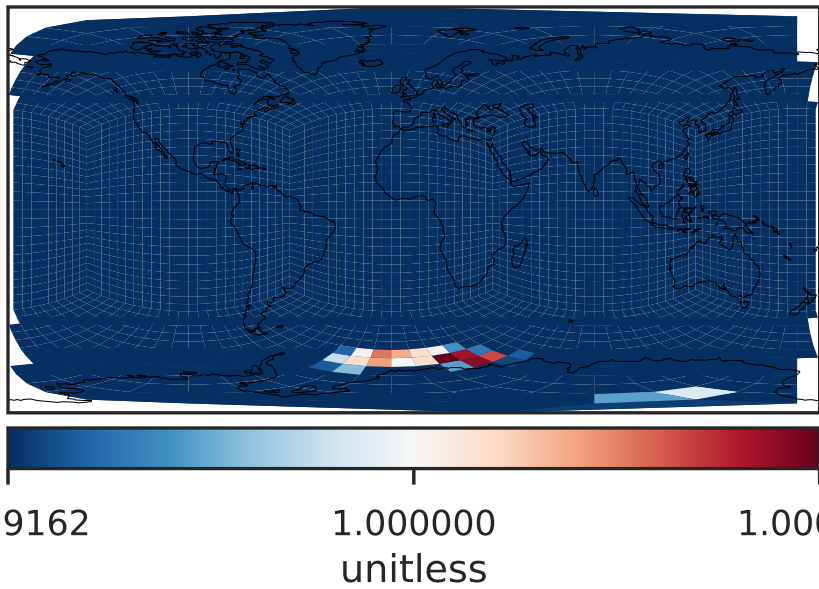
Difference  
Dev - Ref, Dynamic Range



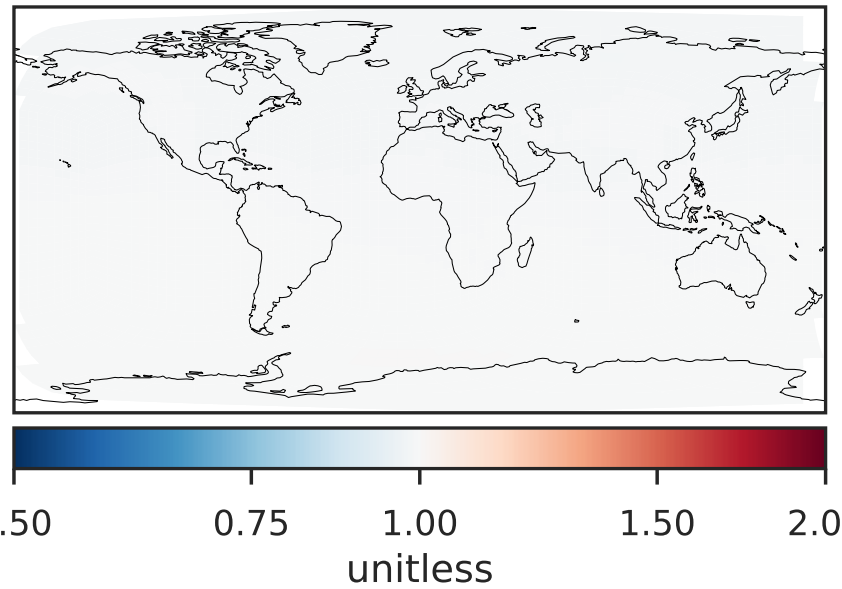
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

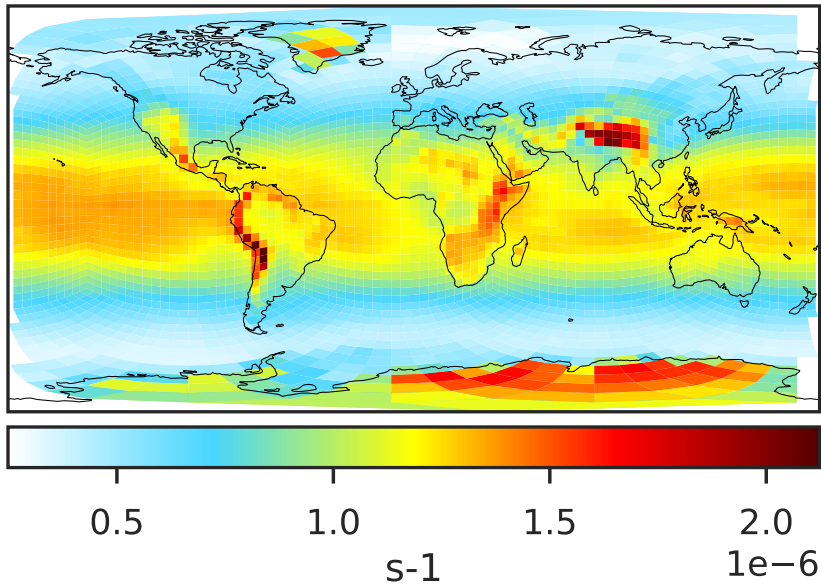


Ratio  
Dev/Ref, Fixed Range

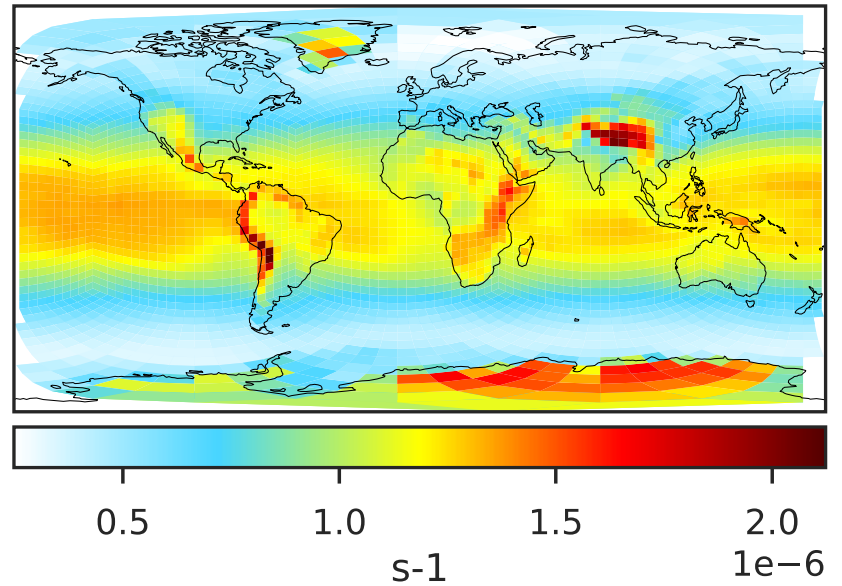


# Jval\_MEK (AnnualMean)

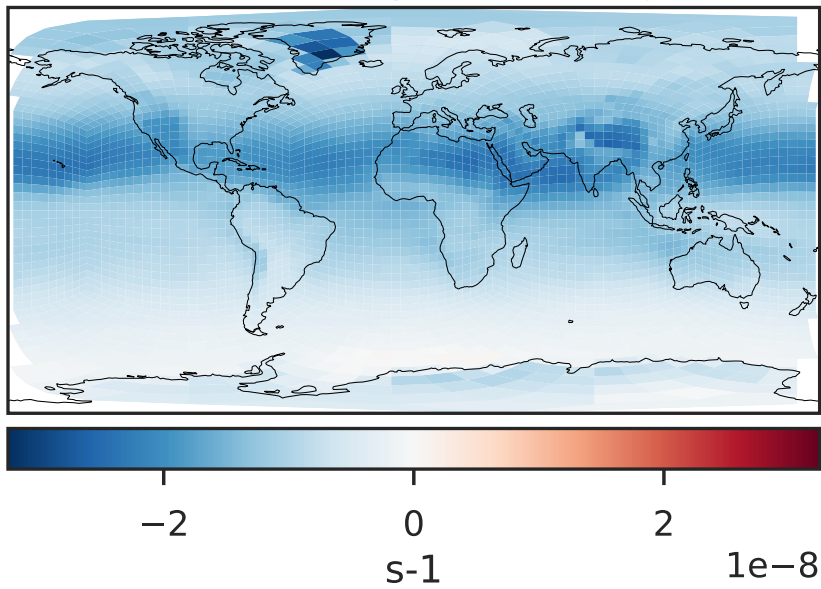
GCHP\_14.0.0 (Ref)  
c24



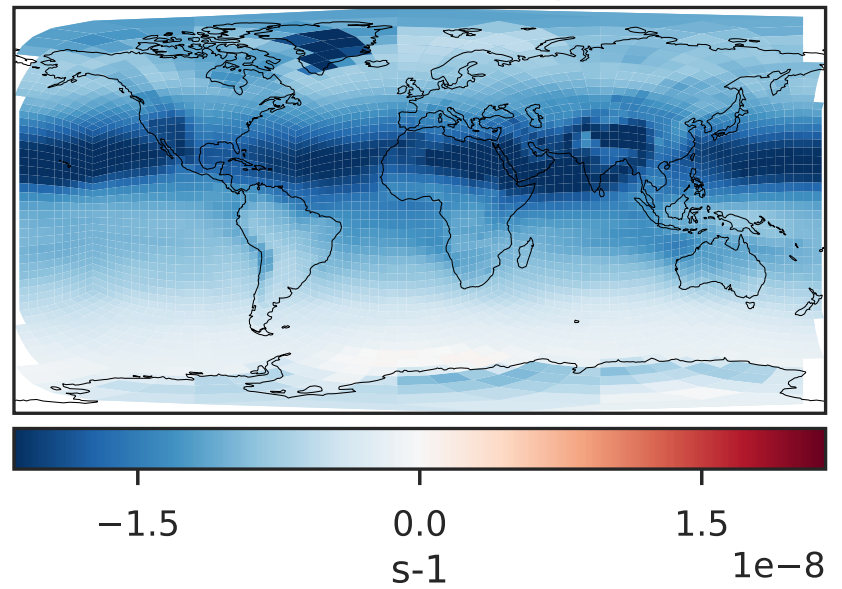
GCHP\_14.2.0 (Dev)  
c24



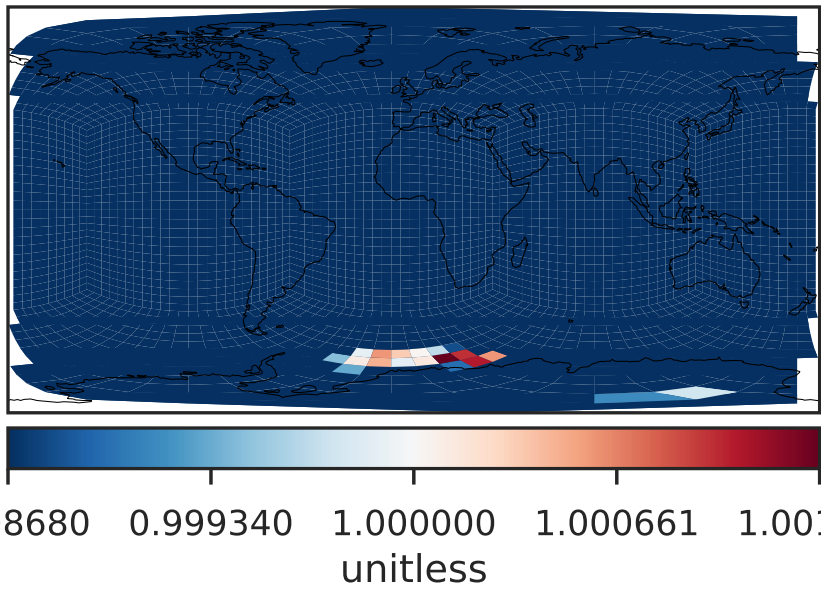
Difference  
Dev - Ref, Dynamic Range



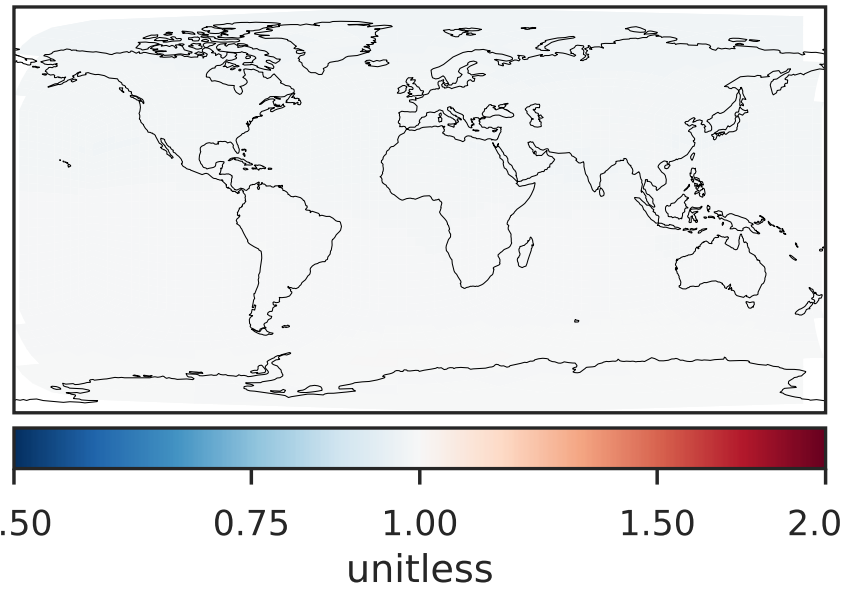
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



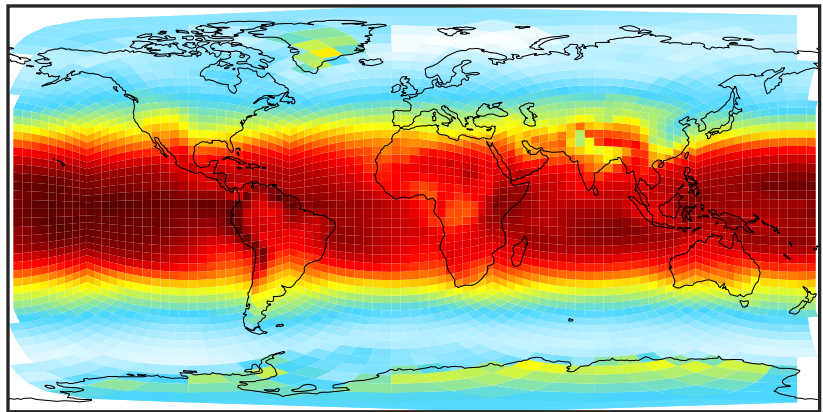
Ratio  
Dev/Ref, Fixed Range





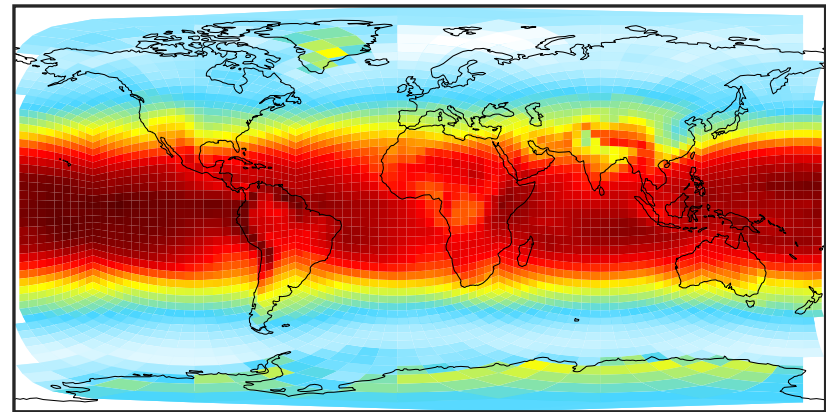
# Jval\_MENO3 (AnnualMean)

GCHP\_14.0.0 (Ref)  
c24



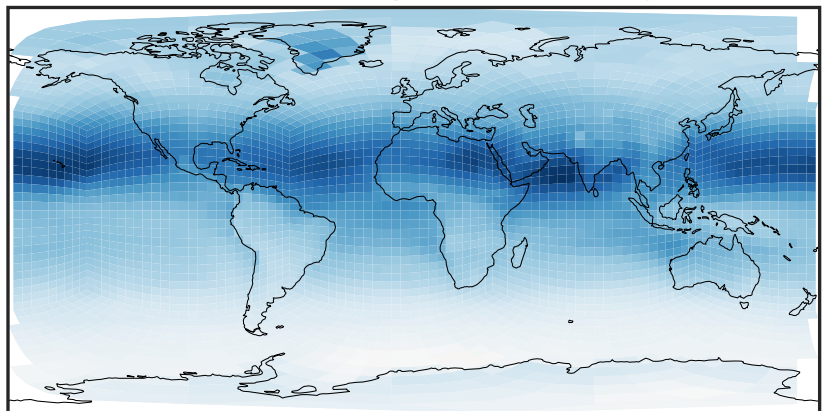
0.8 1.6 2.4 3.2  
s-1  $1e-7$

GCHP\_14.2.0 (Dev)  
c24



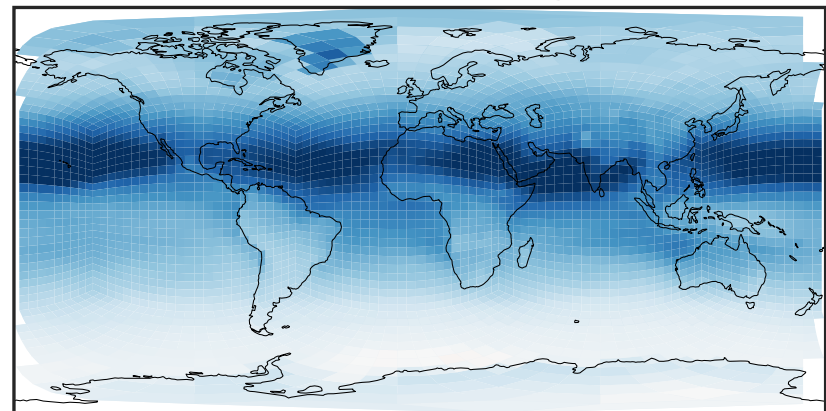
0.8 1.6 2.4 3.2  
s-1  $1e-7$

Difference  
Dev - Ref, Dynamic Range



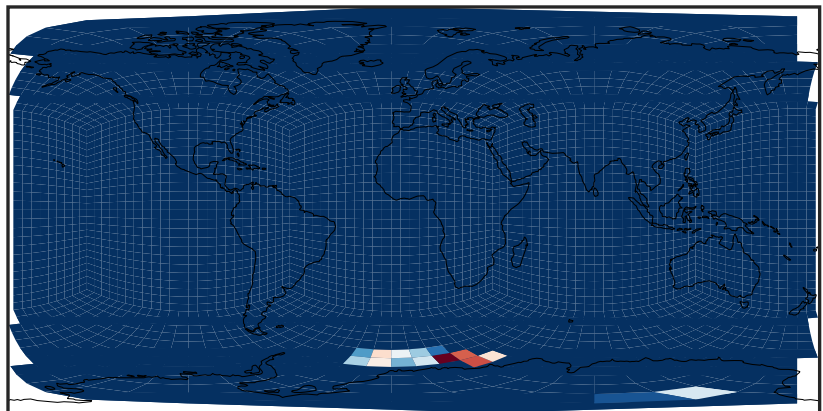
-4 0 4  
s-1  $1e-9$

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



-3 0 3  
s-1  $1e-9$

Ratio  
Dev/Ref, Dynamic Range



0.998964 0.999482 1.000000 1.000518 1.001037  
unitless

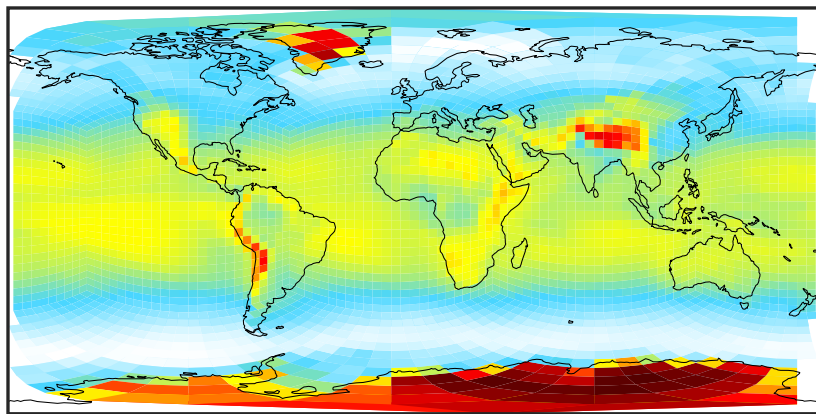
Ratio  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

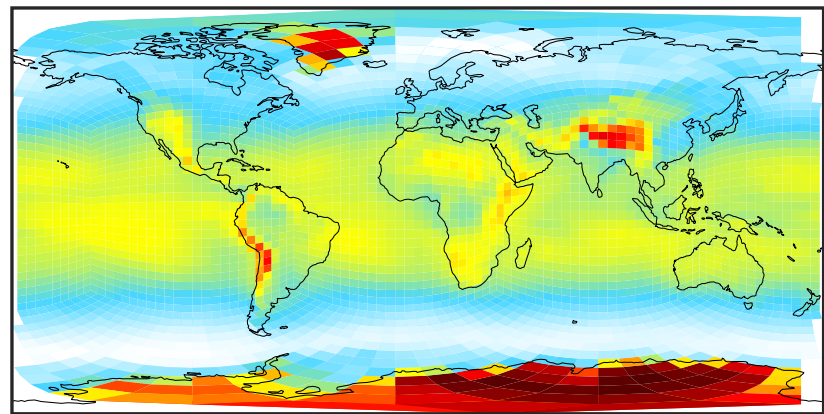
# Jval\_MGLY (AnnualMean)

GCHP\_14.0.0 (Ref)  
c24



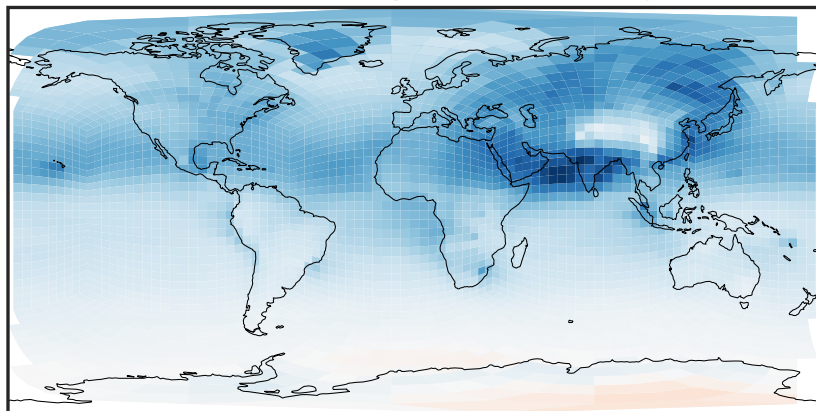
0.000025 0.000050 0.000075 0.000100  
s-1

GCHP\_14.2.0 (Dev)  
c24



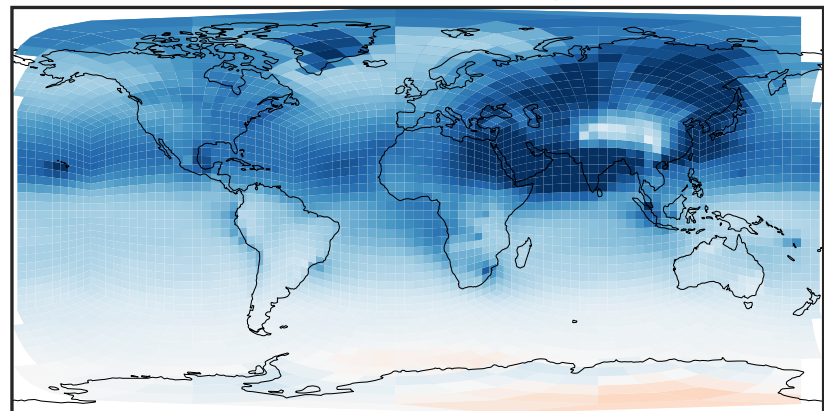
0.000025 0.000050 0.000075 0.000100  
s-1

Difference  
Dev - Ref, Dynamic Range



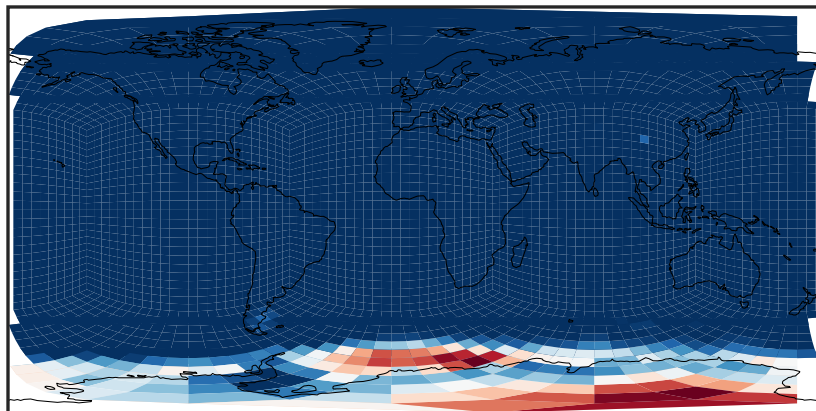
-1.5 0.0 1.5  
s-1 1e-7

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



-1 0 1  
s-1 1e-7

Ratio  
Dev/Ref, Dynamic Range



0.9996468 1.000000 1.0003533  
unitless

Ratio  
Dev/Ref, Fixed Range

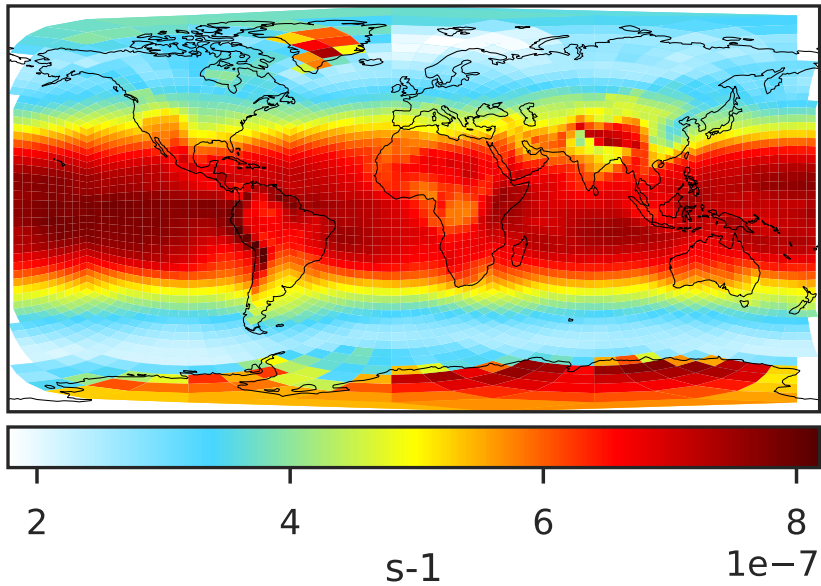


0.50 0.75 1.00 1.50 2.00  
unitless

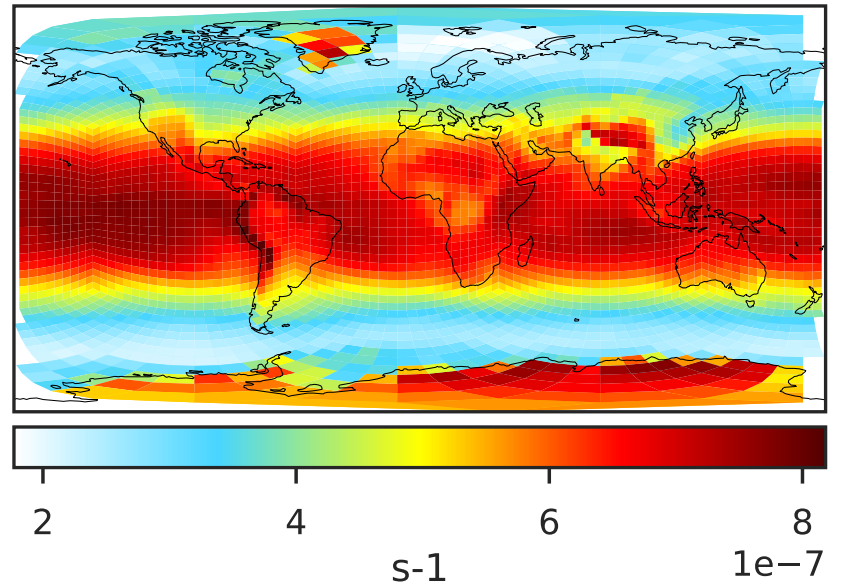


# Jval\_MONITS (AnnualMean)

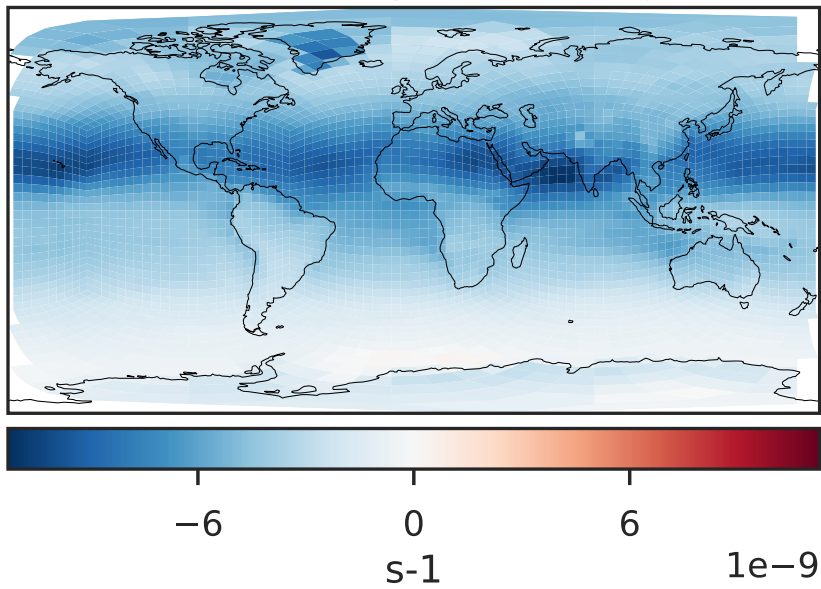
GCHP\_14.0.0 (Ref)  
c24



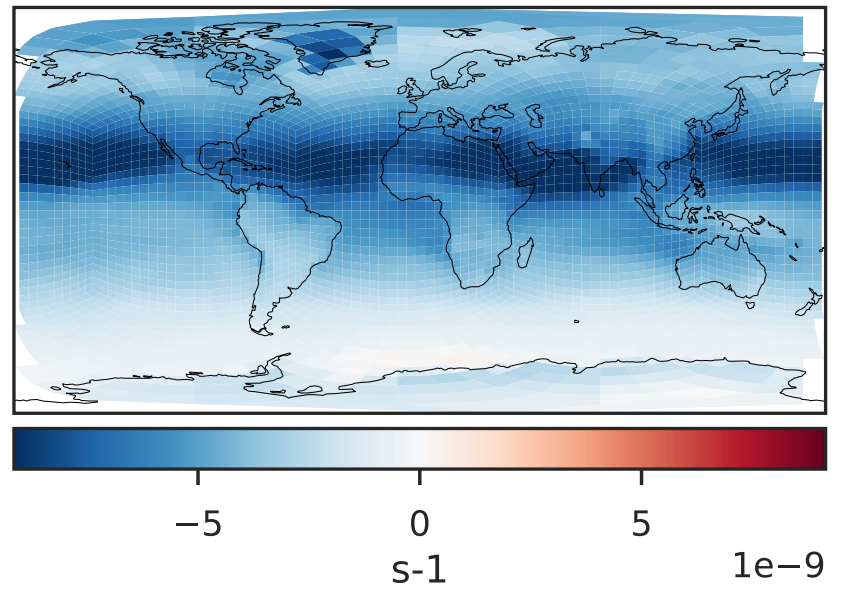
GCHP\_14.2.0 (Dev)  
c24



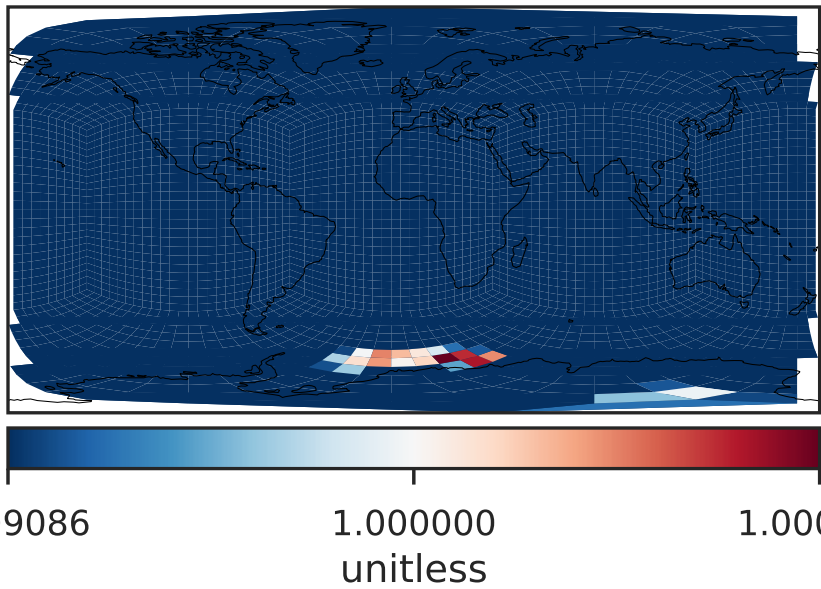
Difference  
Dev - Ref, Dynamic Range



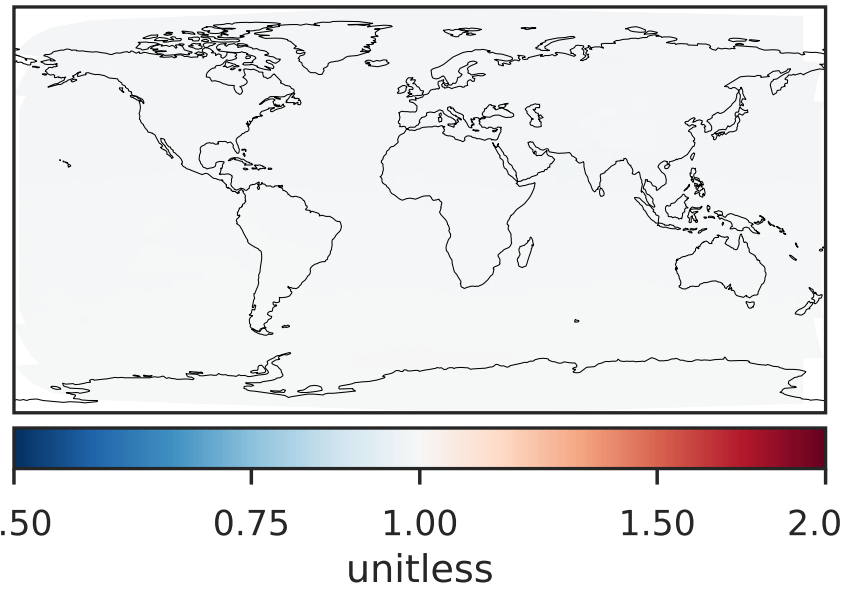
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

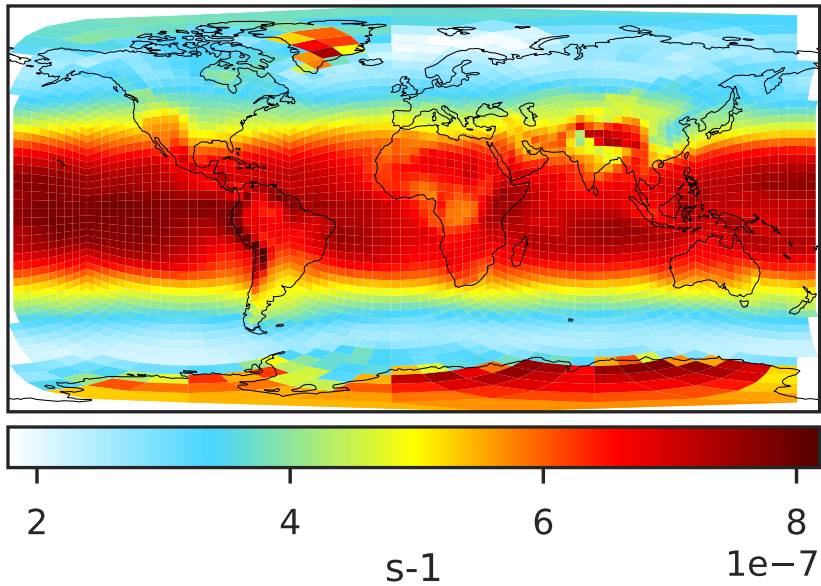


Ratio  
Dev/Ref, Fixed Range

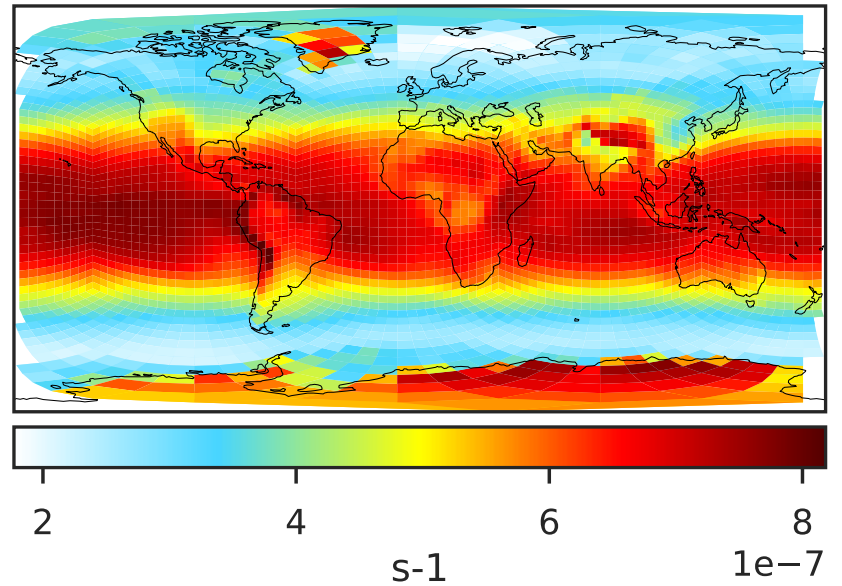


# Jval\_MONITU (AnnualMean)

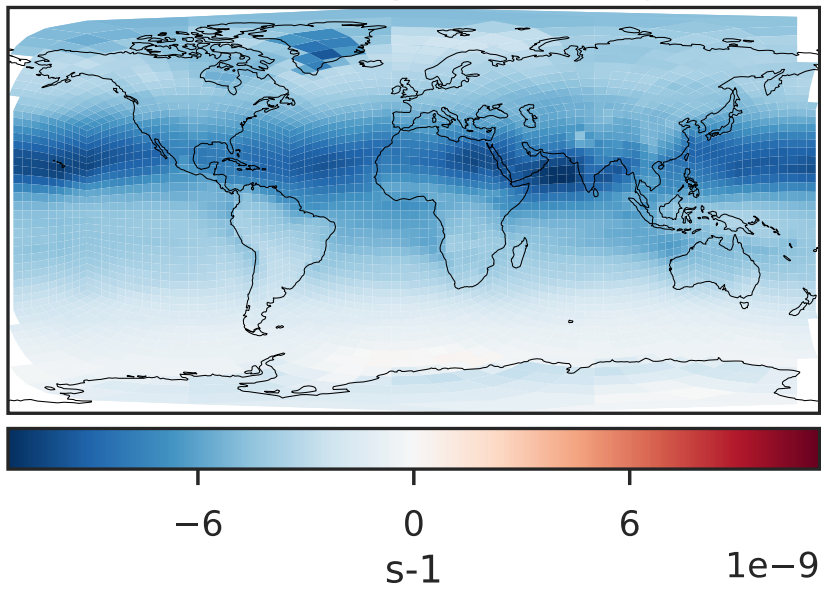
GCHP\_14.0.0 (Ref)  
c24



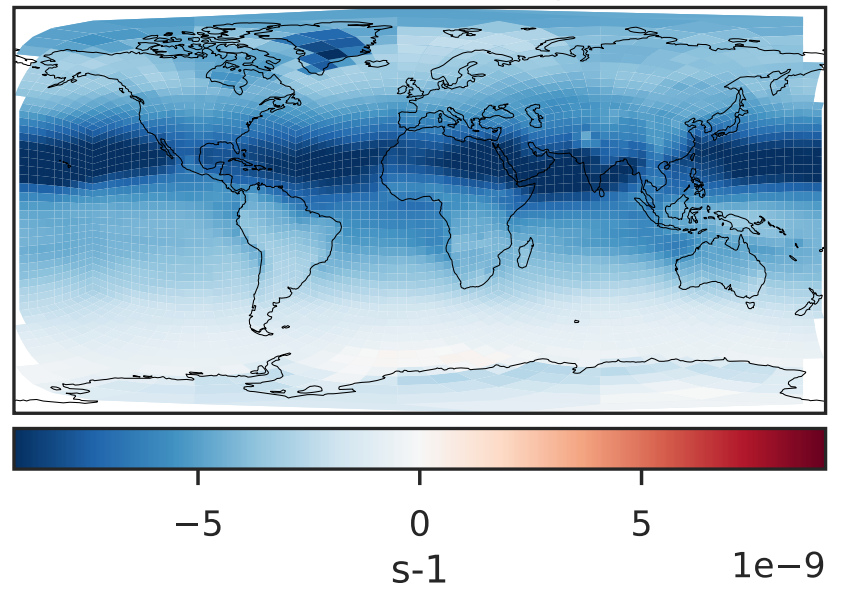
GCHP\_14.2.0 (Dev)  
c24



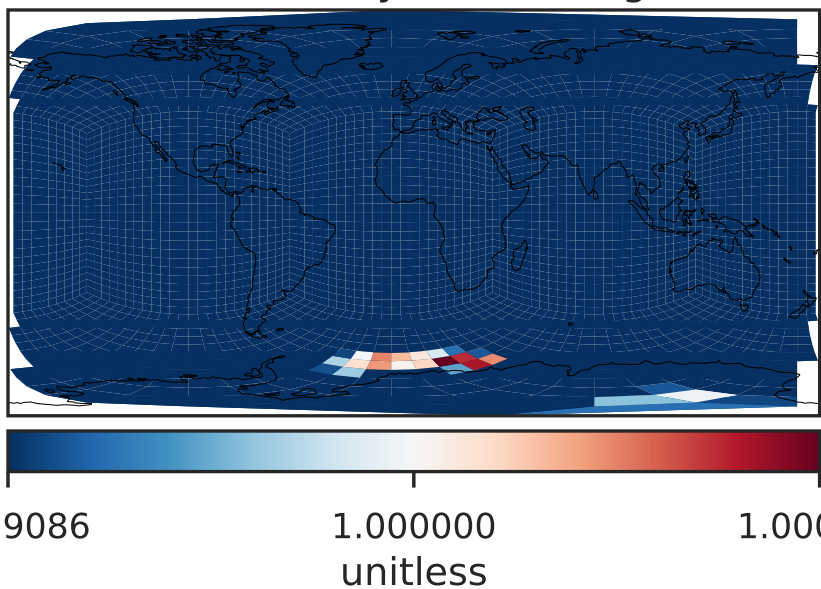
Difference  
Dev - Ref, Dynamic Range



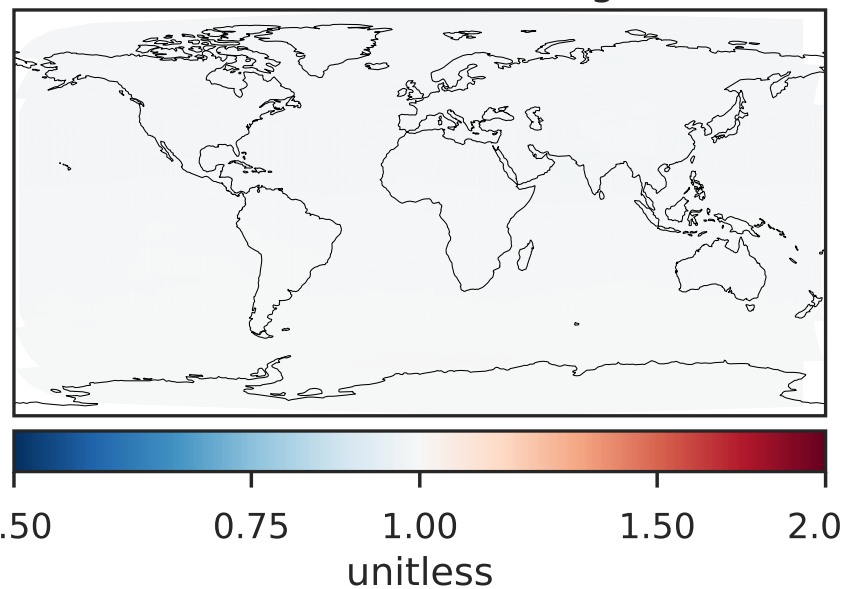
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



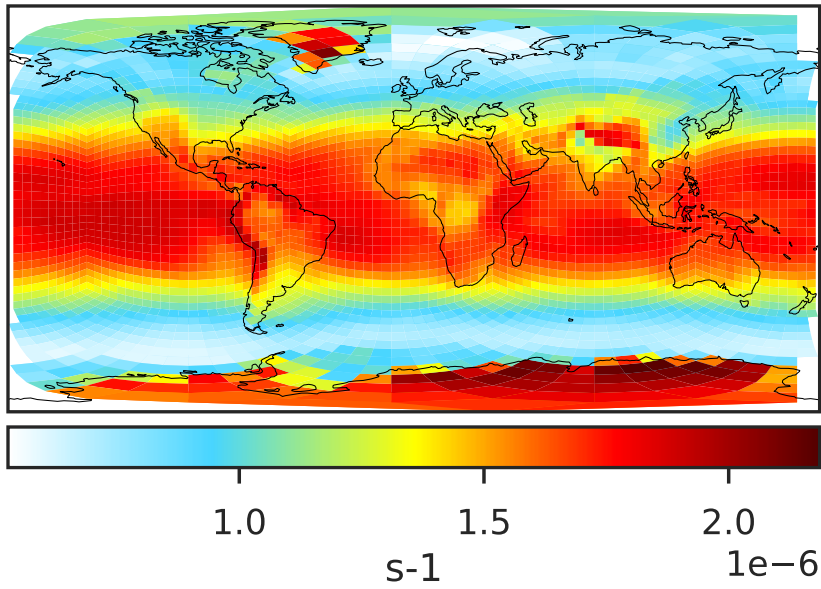
Ratio  
Dev/Ref, Fixed Range



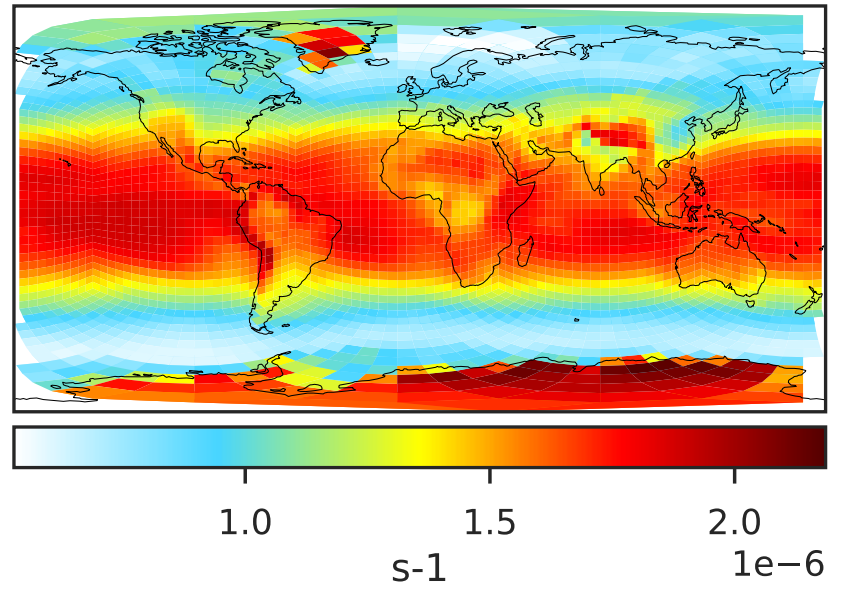


# Jval\_MP (AnnualMean)

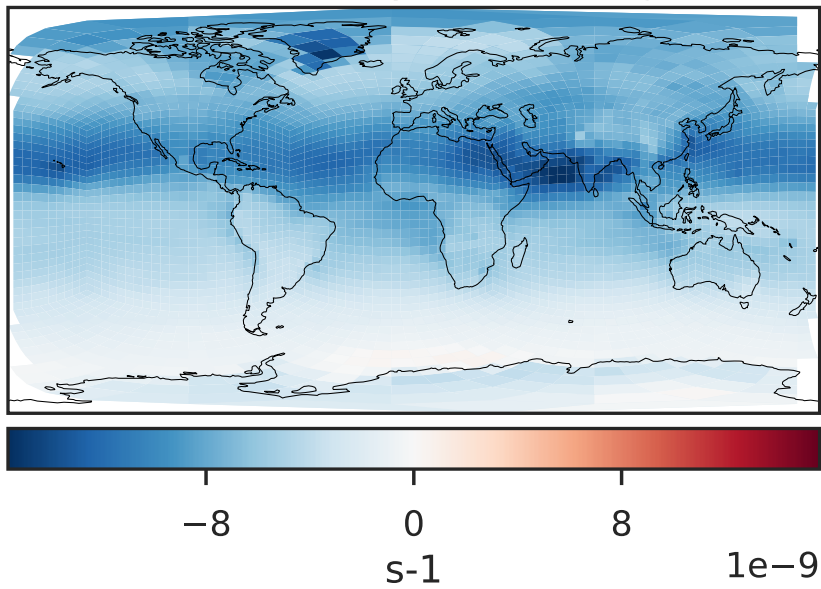
GCHP\_14.0.0 (Ref)  
c24



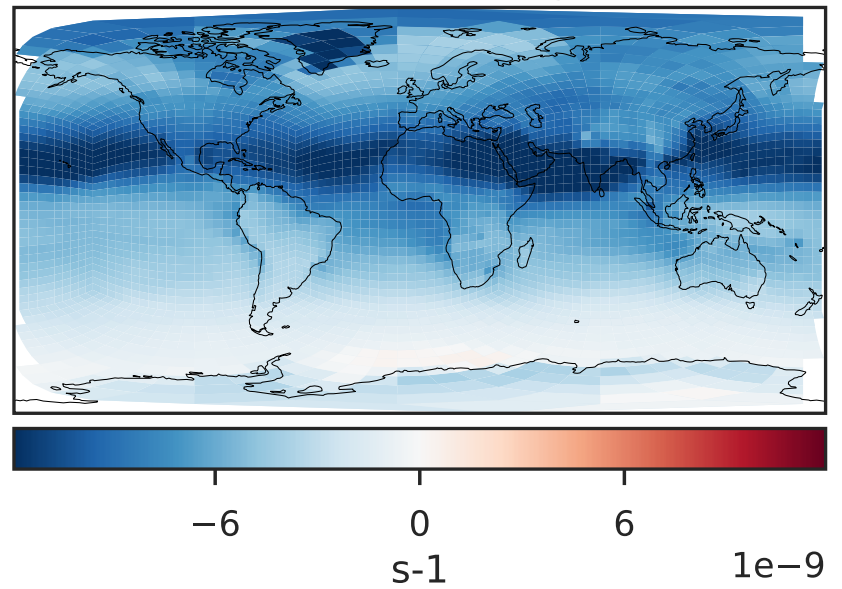
GCHP\_14.2.0 (Dev)  
c24



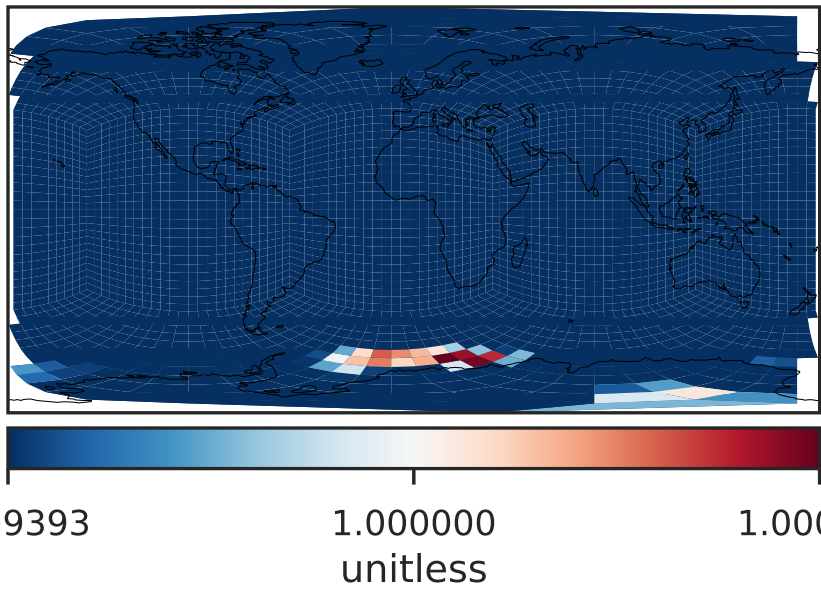
Difference  
Dev - Ref, Dynamic Range



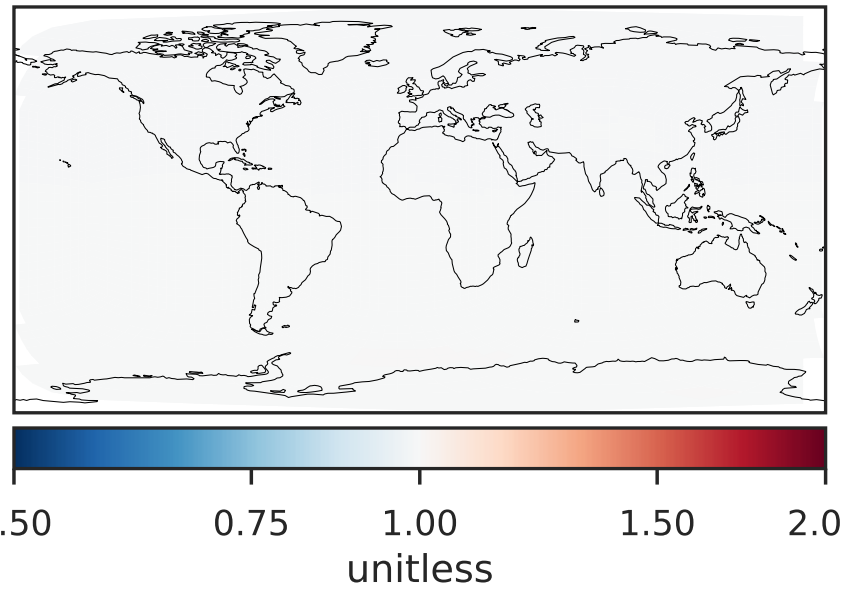
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

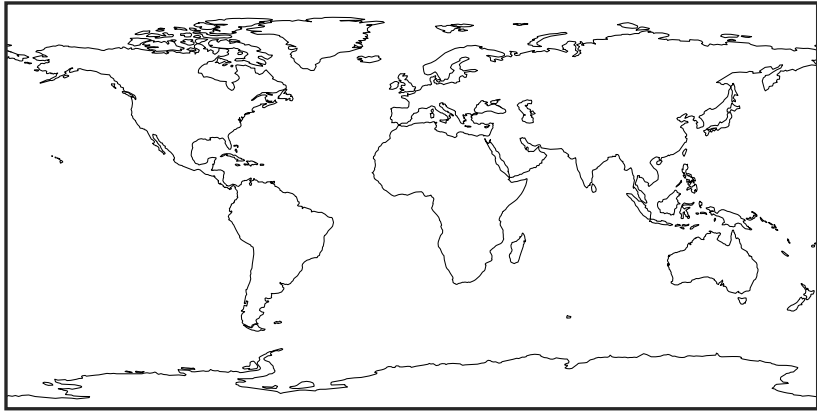


Ratio  
Dev/Ref, Fixed Range



# Jval\_MPAN (AnnualMean)

GCHP\_14.0.0 (Ref)  
c24



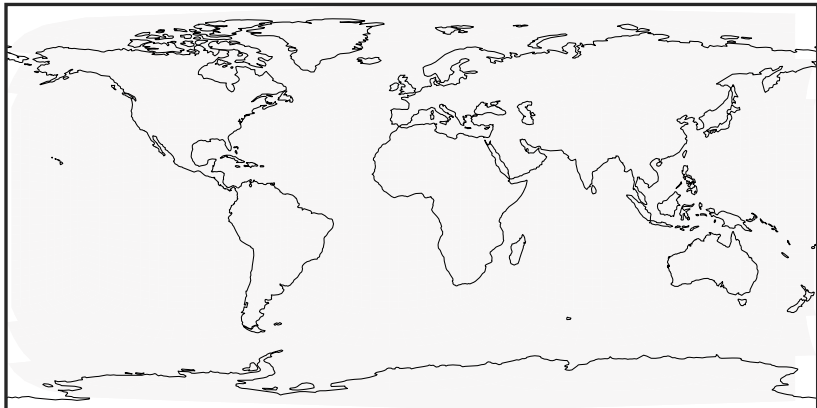
Zero throughput domain  
s-1

GCHP\_14.2.0 (Dev)  
c24



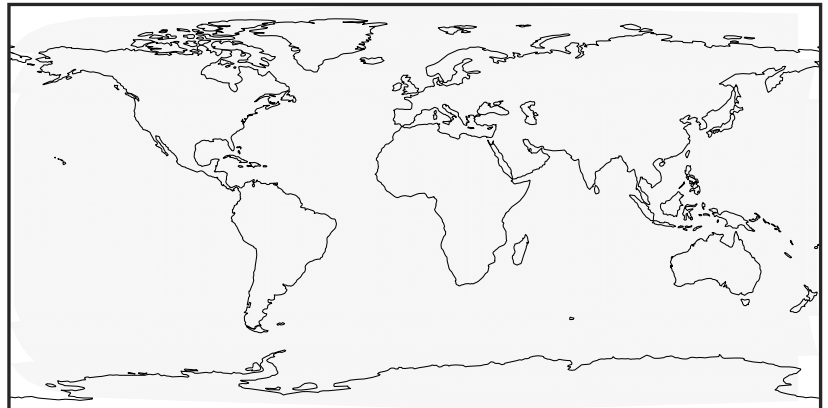
Zero throughput domain  
s-1

Difference  
Dev - Ref, Dynamic Range



Zero throughput domain  
s-1

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



Zero throughput domain  
s-1

Ratio  
Dev/Ref, Dynamic Range



Undefined throughput domain  
unitless

Ratio  
Dev/Ref, Fixed Range

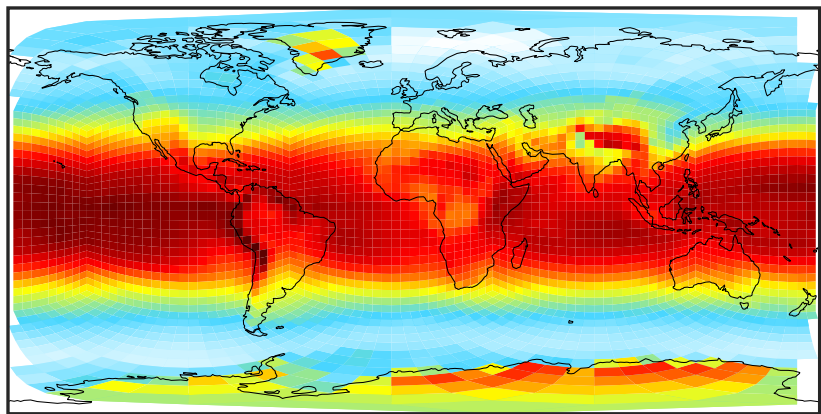


Undefined throughput domain  
unitless



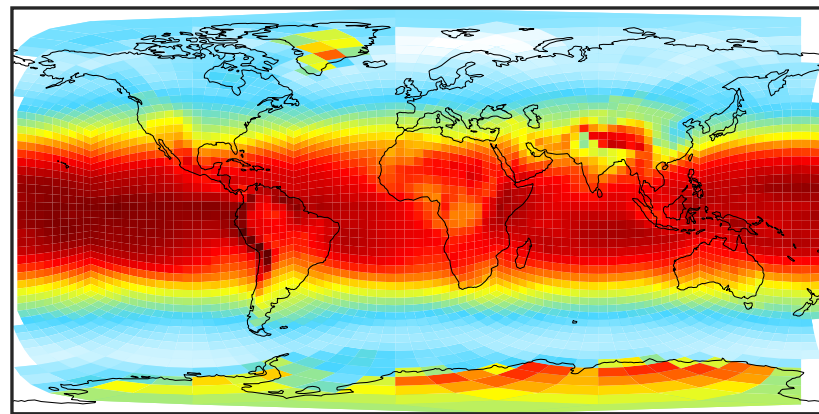
# Jval\_MPN (AnnualMean)

GCHP\_14.0.0 (Ref)  
c24



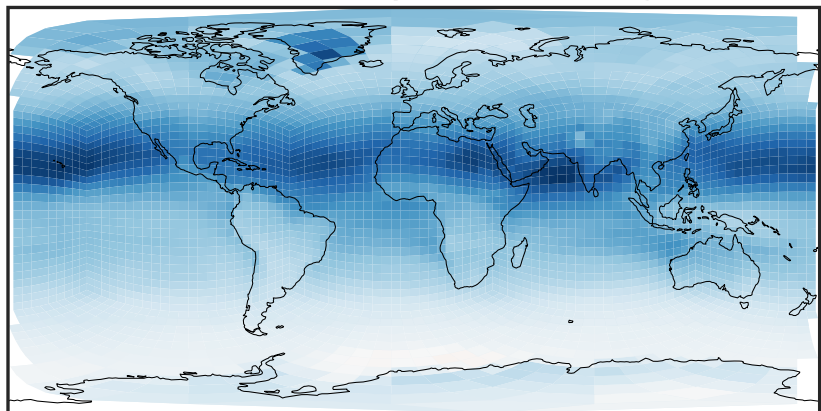
0.4 0.8 1.2  $1e-6$   
s-1

GCHP\_14.2.0 (Dev)  
c24



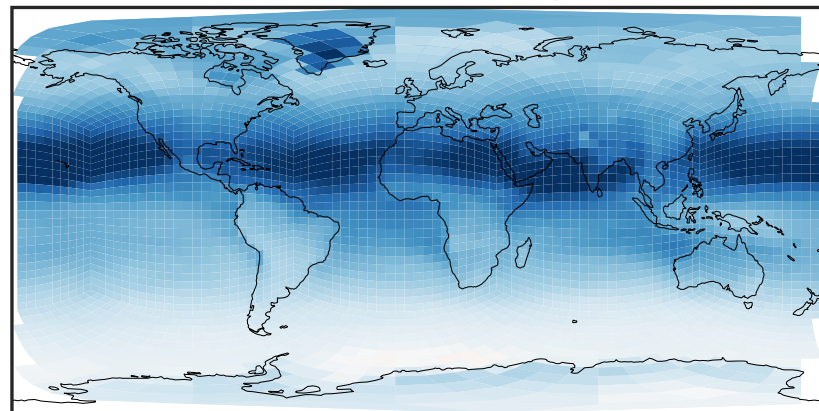
0.4 0.8 1.2  $1e-6$   
s-1

Difference  
Dev - Ref, Dynamic Range



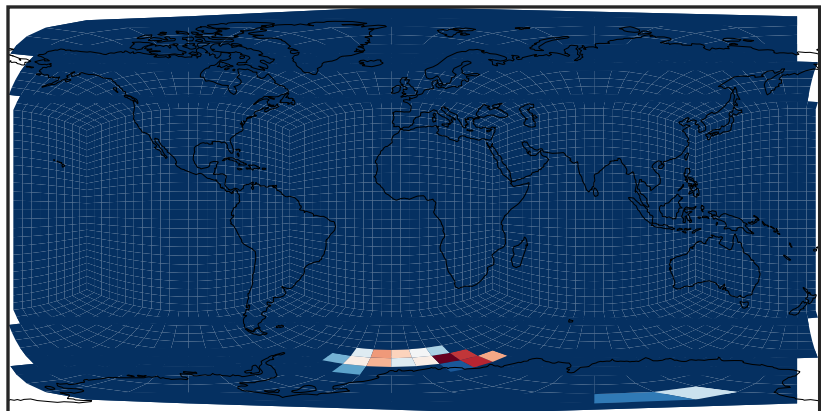
-1.5 0.0 1.5  $1e-8$   
s-1

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



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

Ratio  
Dev/Ref, Dynamic Range



0.998623 0.999311 1.000000 1.000690 1.001379  
unitless

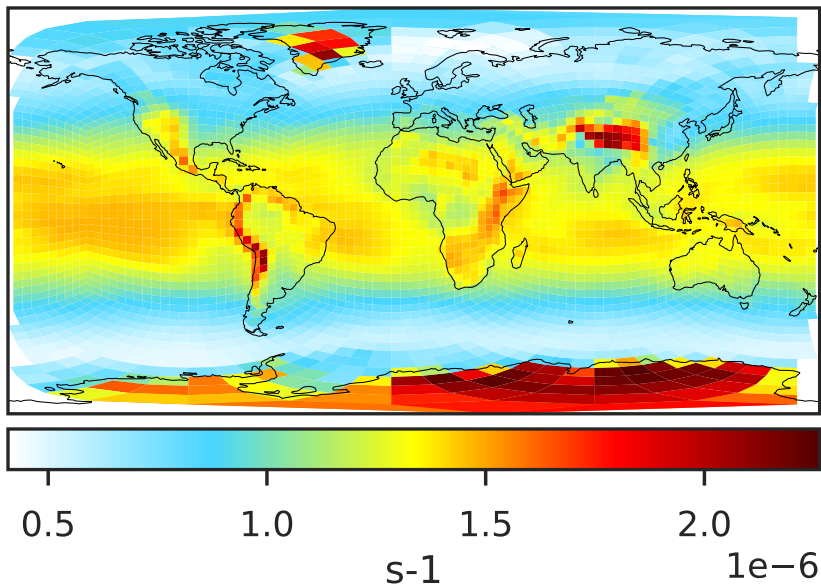
Ratio  
Dev/Ref, Fixed Range



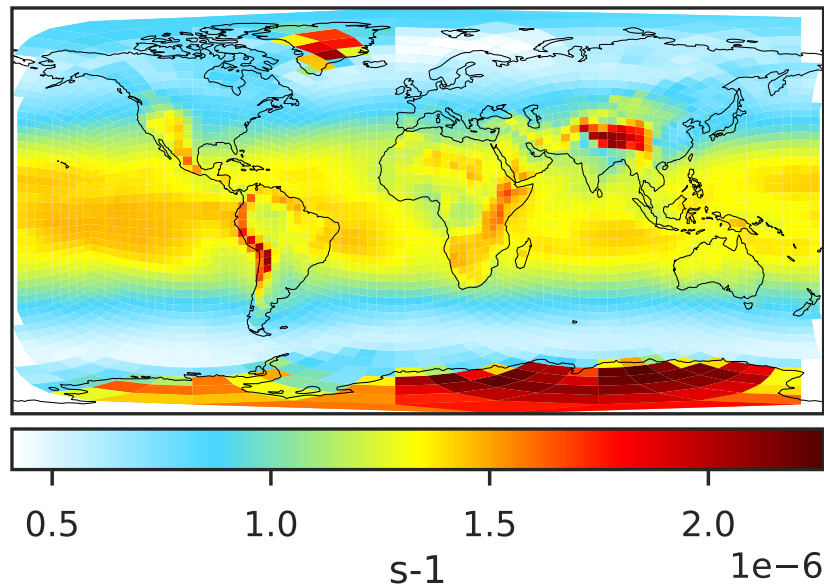
0.50 0.75 1.00 1.50 2.00  
unitless

# Jval\_MVK (AnnualMean)

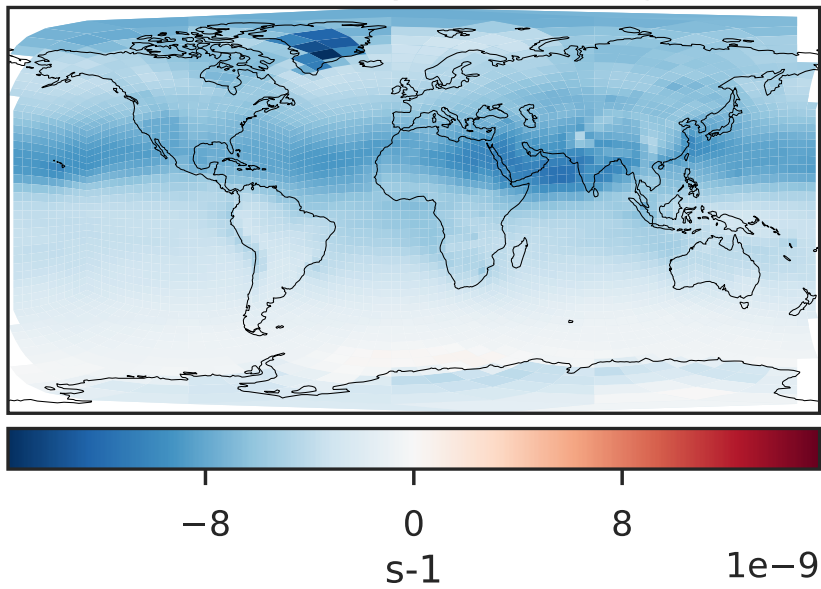
GCHP\_14.0.0 (Ref)  
c24



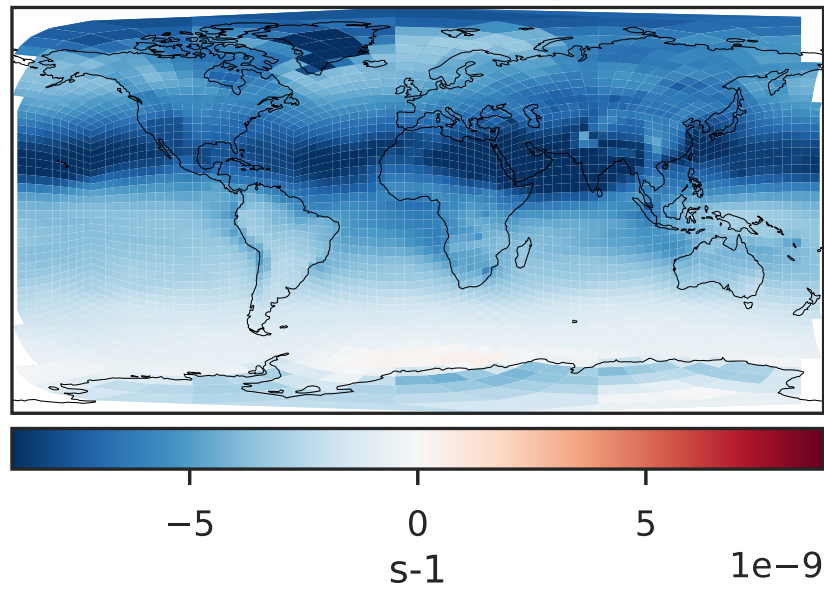
GCHP\_14.2.0 (Dev)  
c24



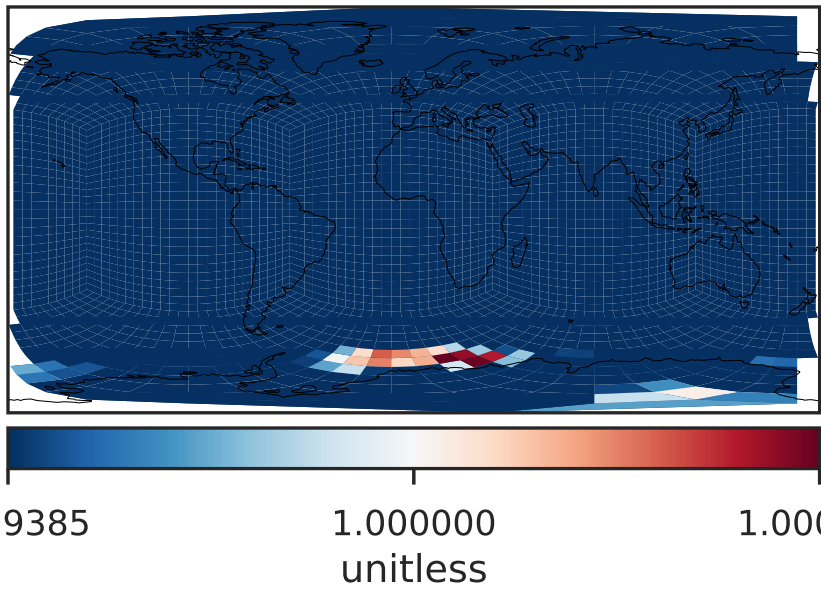
Difference  
Dev - Ref, Dynamic Range



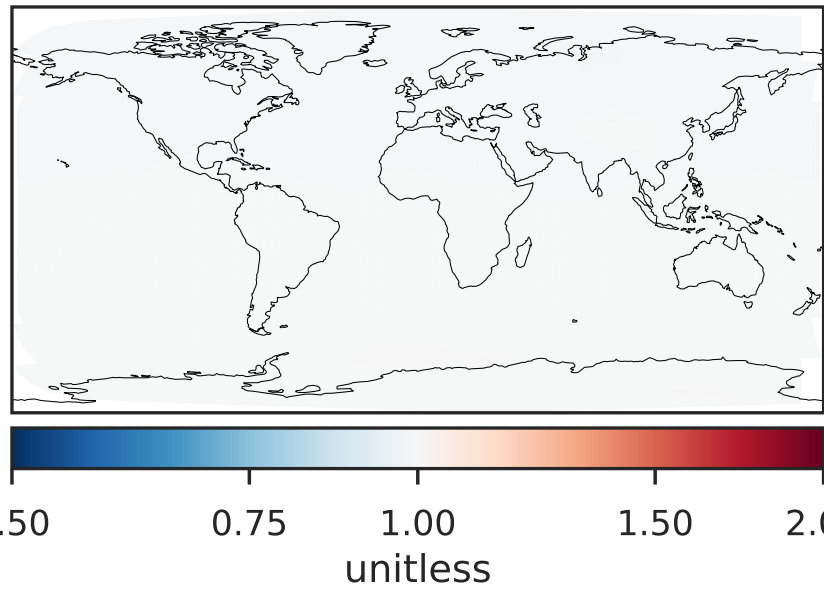
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



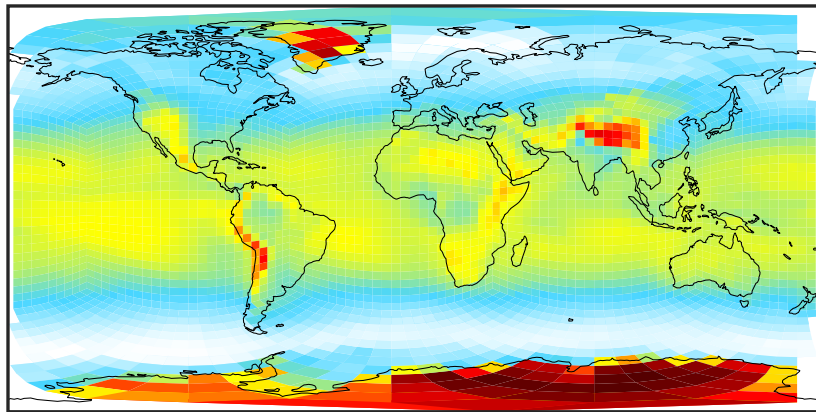
Ratio  
Dev/Ref, Fixed Range





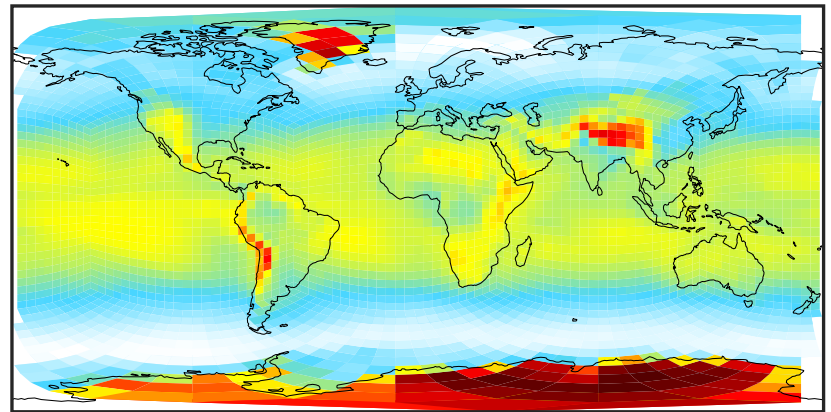
# Jval\_MVKHC (AnnualMean)

GCHP\_14.0.0 (Ref)  
c24



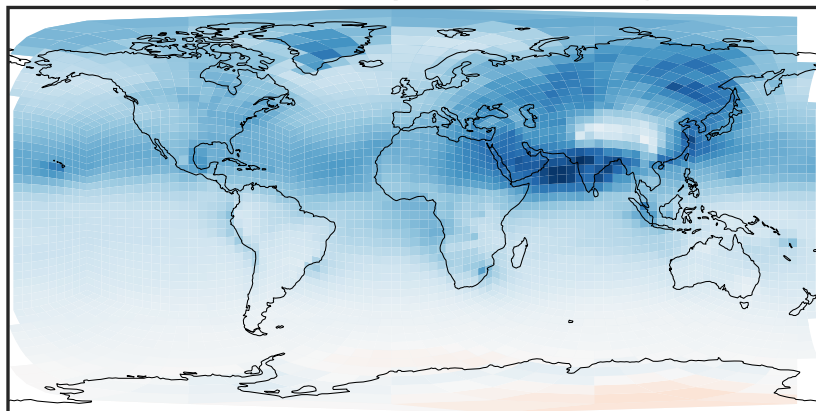
0.000025 0.000050 0.000075 0.000100  
s-1

GCHP\_14.2.0 (Dev)  
c24



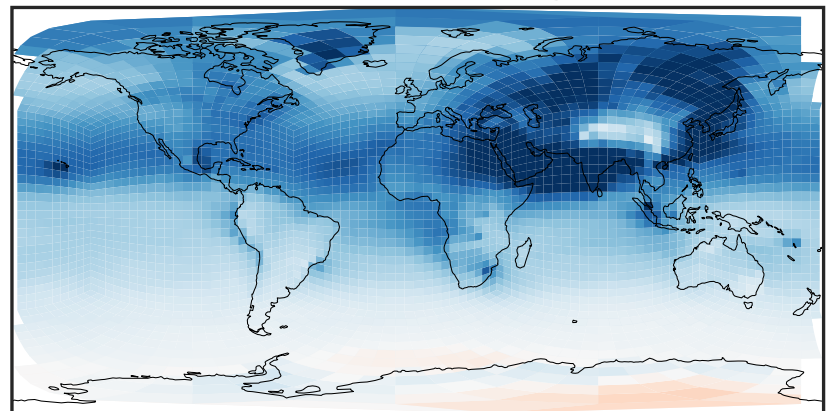
0.000025 0.000050 0.000075 0.000100  
s-1

Difference  
Dev - Ref, Dynamic Range



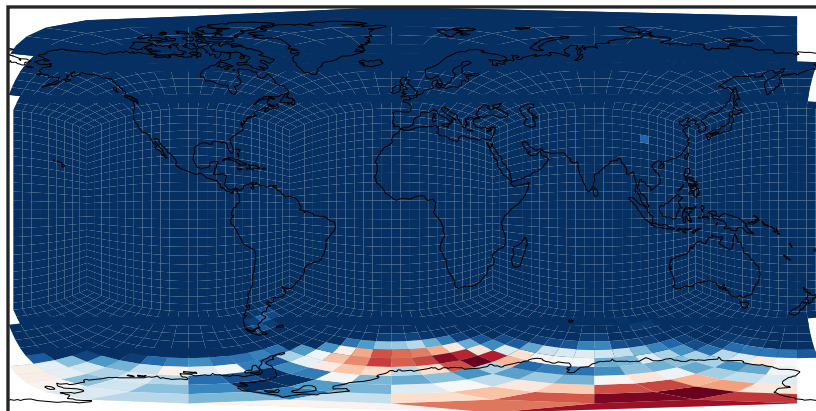
-1.5 0.0 1.5  
s-1 1e-7

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



-1 0 1  
s-1 1e-7

Ratio  
Dev/Ref, Dynamic Range



0.9996468 1.000000 1.0003533  
unitless

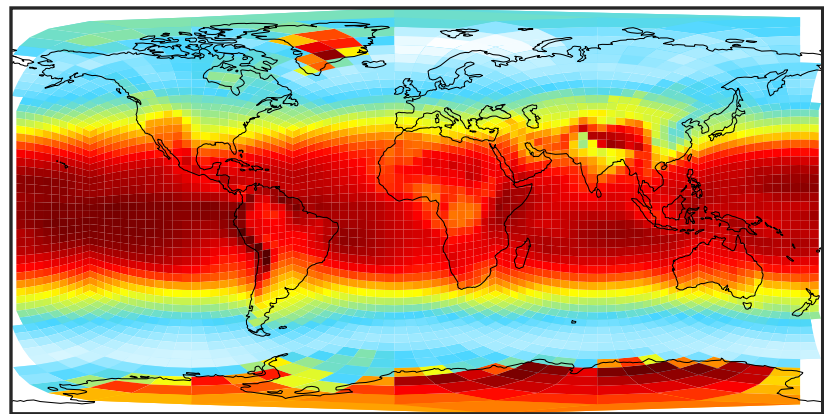
Ratio  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

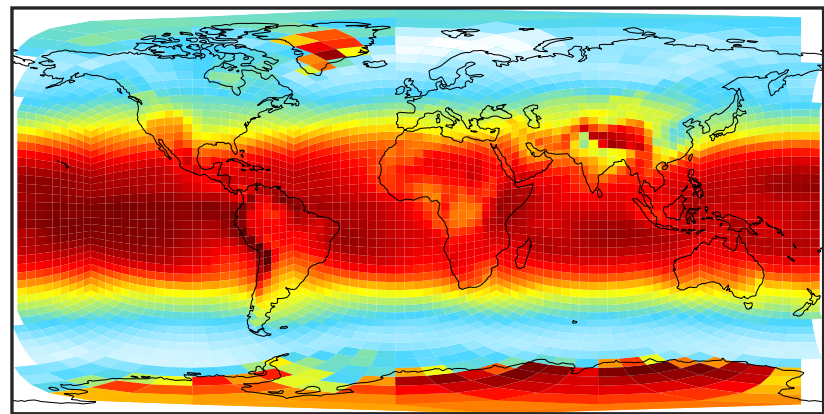
# Jval\_MVKHCB (AnnualMean)

GCHP\_14.0.0 (Ref)  
c24



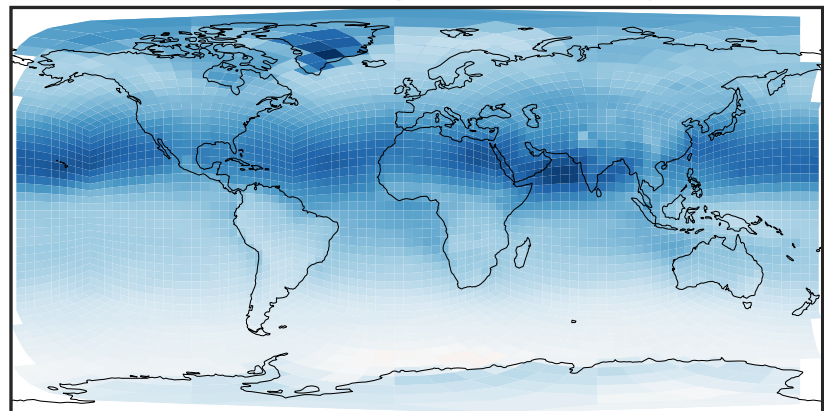
0.4 0.8 1.2 1.6  
s-1 1e-5

GCHP\_14.2.0 (Dev)  
c24



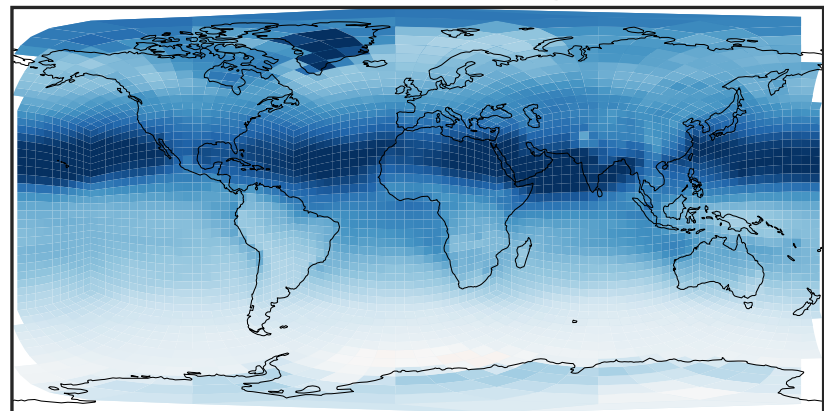
0.4 0.8 1.2 1.6  
s-1 1e-5

Difference  
Dev - Ref, Dynamic Range



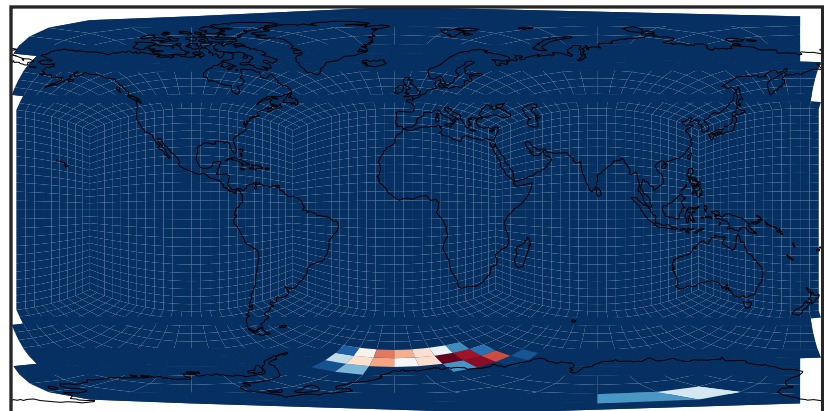
-1 0 1  
s-1 1e-7

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



-8 0 8  
s-1 1e-8

Ratio  
Dev/Ref, Dynamic Range



0.999131 1.000000 1.000869  
unitless

Ratio  
Dev/Ref, Fixed Range

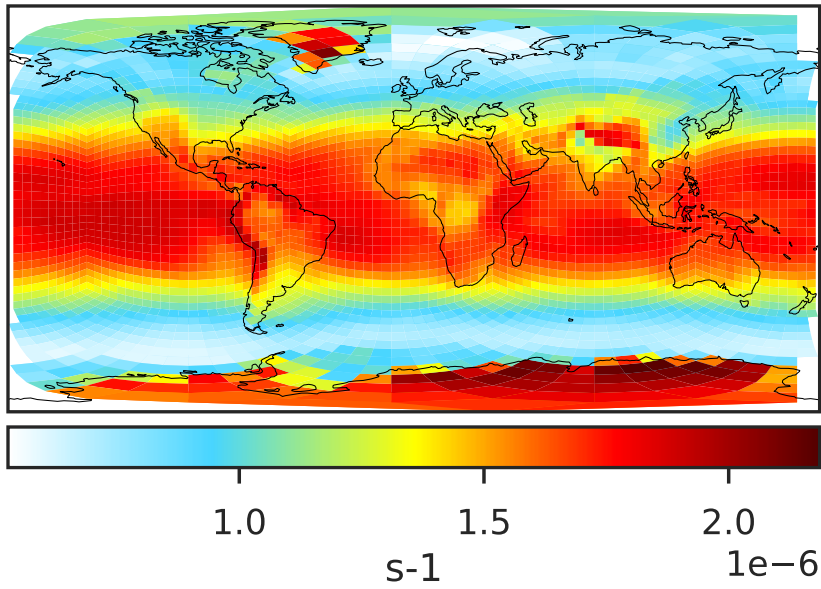


0.50 0.75 1.00 1.50 2.00  
unitless

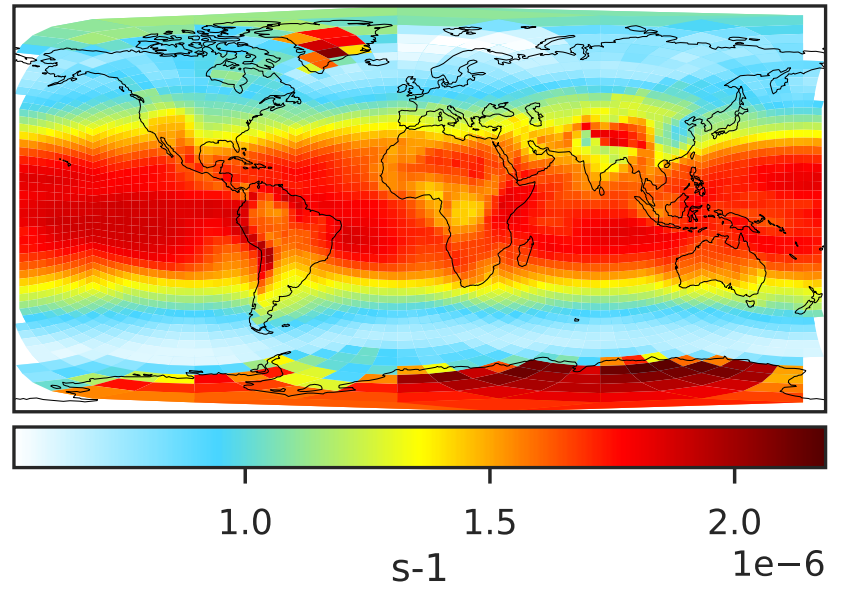


# Jval\_MVKHP (AnnualMean)

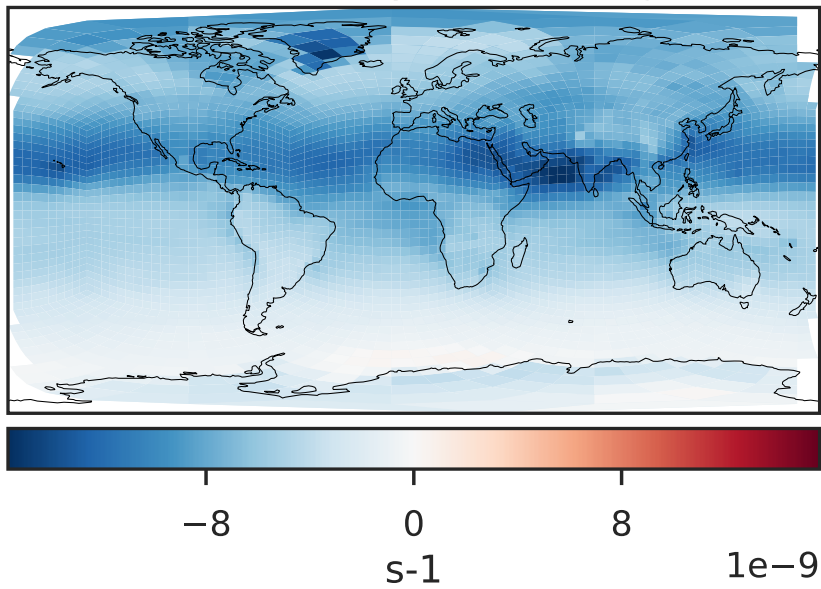
GCHP\_14.0.0 (Ref)  
c24



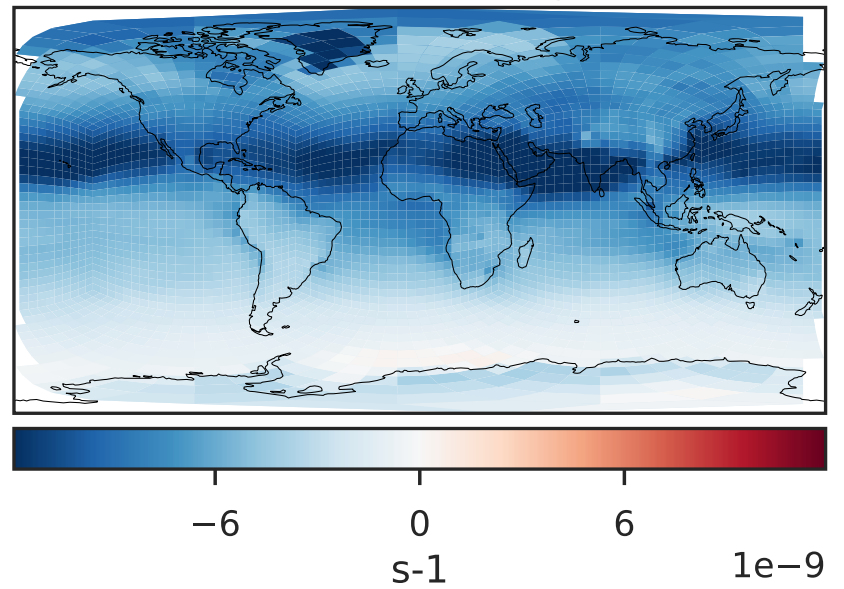
GCHP\_14.2.0 (Dev)  
c24



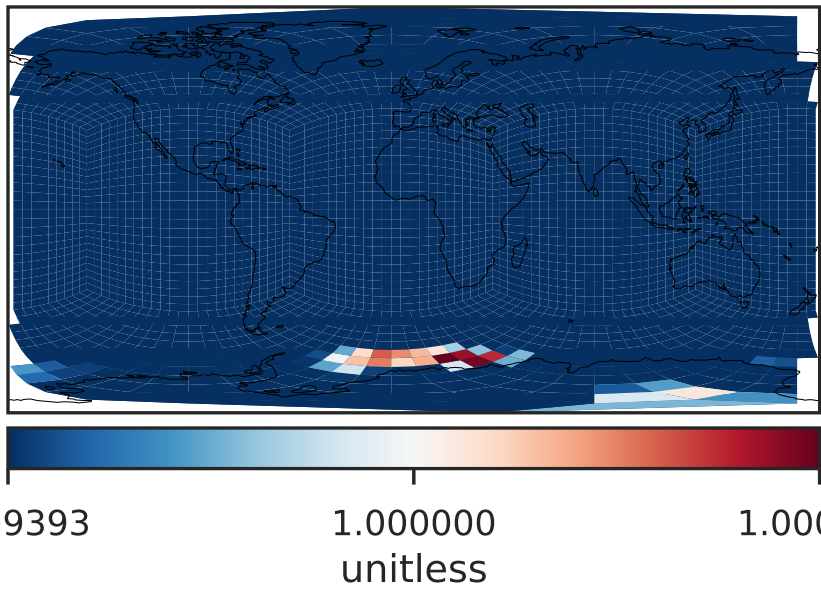
Difference  
Dev - Ref, Dynamic Range



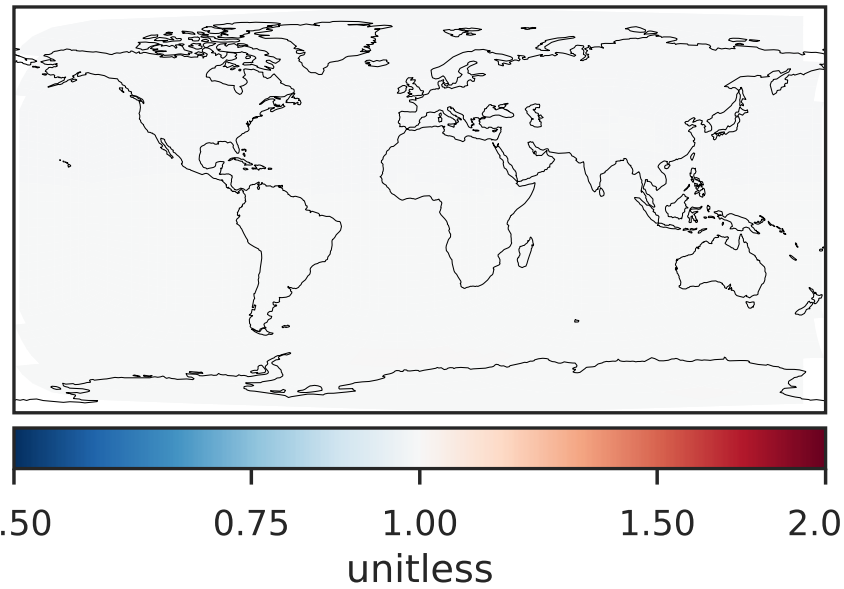
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

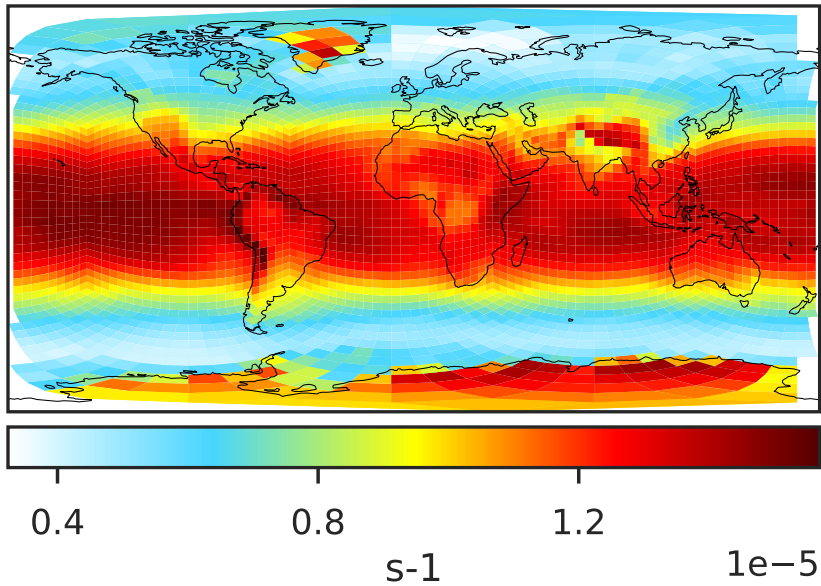


Ratio  
Dev/Ref, Fixed Range

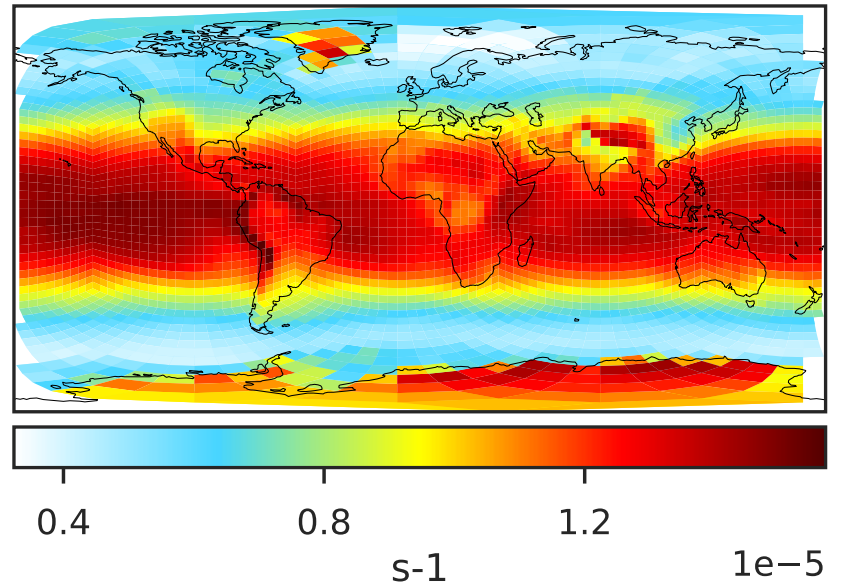


# Jval\_MVKN (AnnualMean)

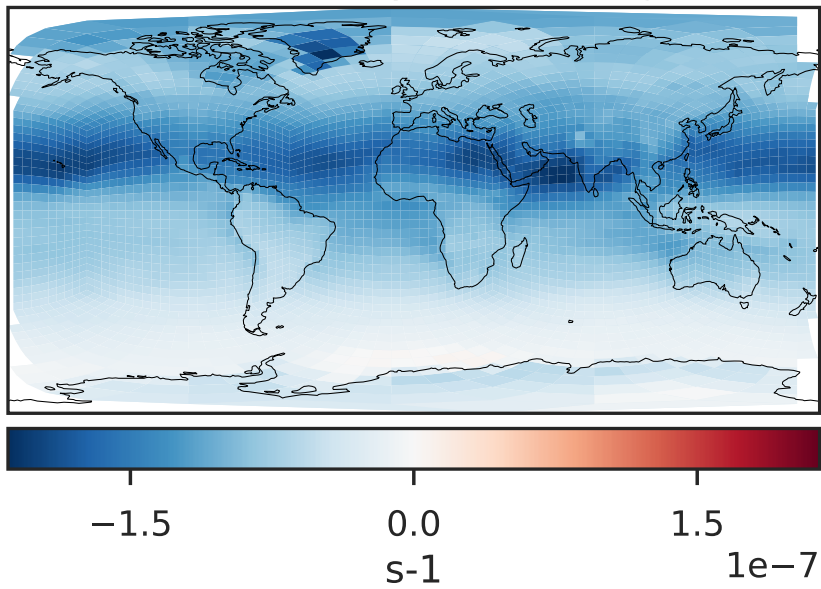
GCHP\_14.0.0 (Ref)  
c24



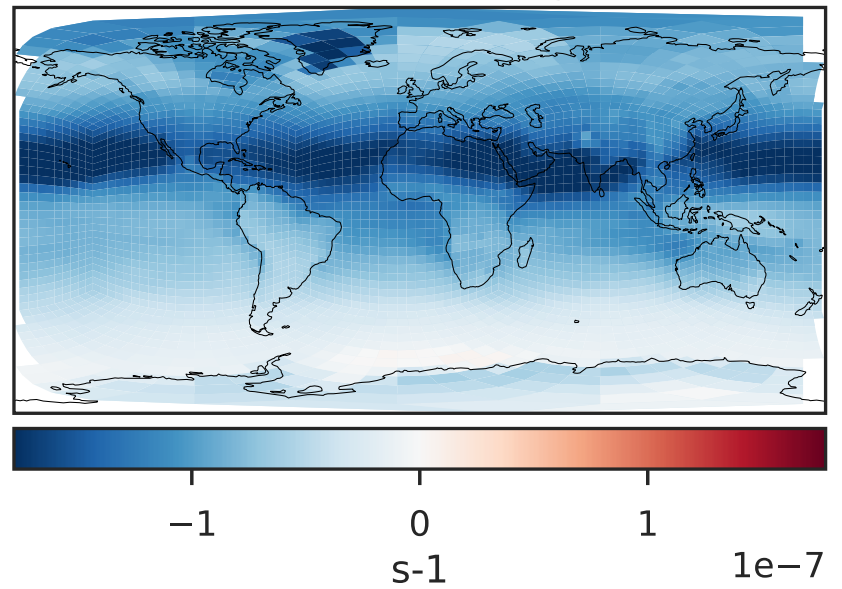
GCHP\_14.2.0 (Dev)  
c24



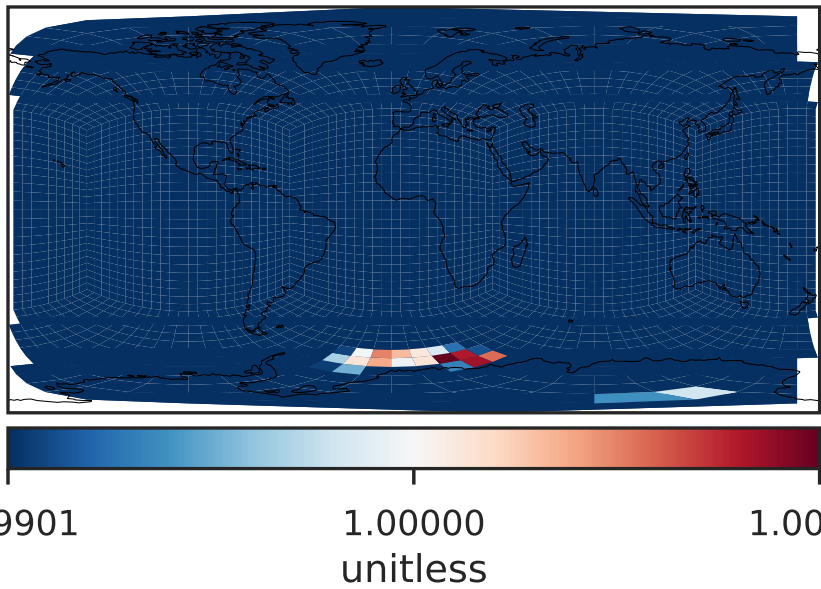
Difference  
Dev - Ref, Dynamic Range



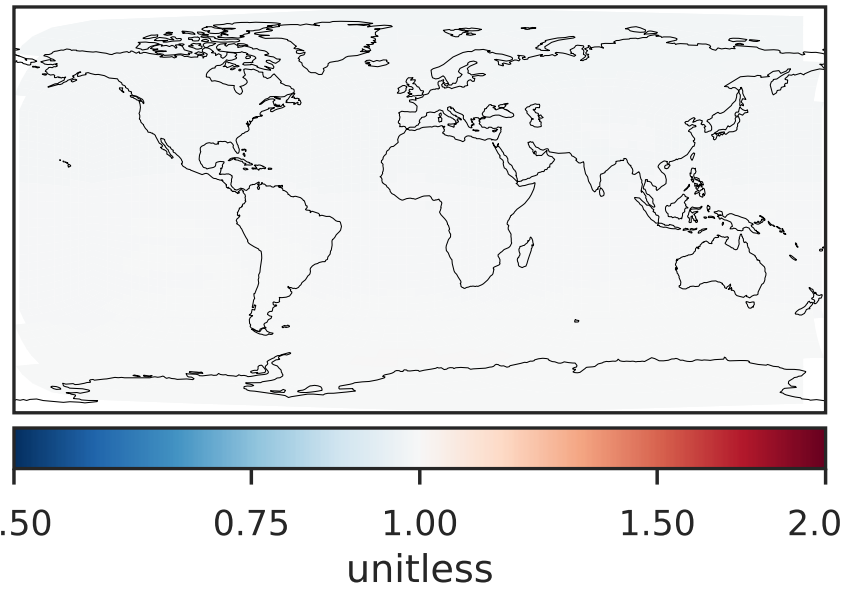
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



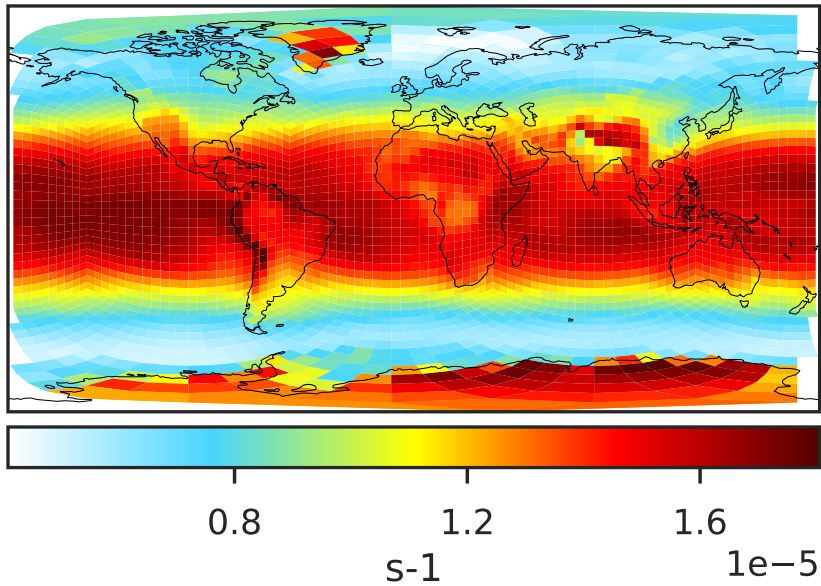
Ratio  
Dev/Ref, Fixed Range



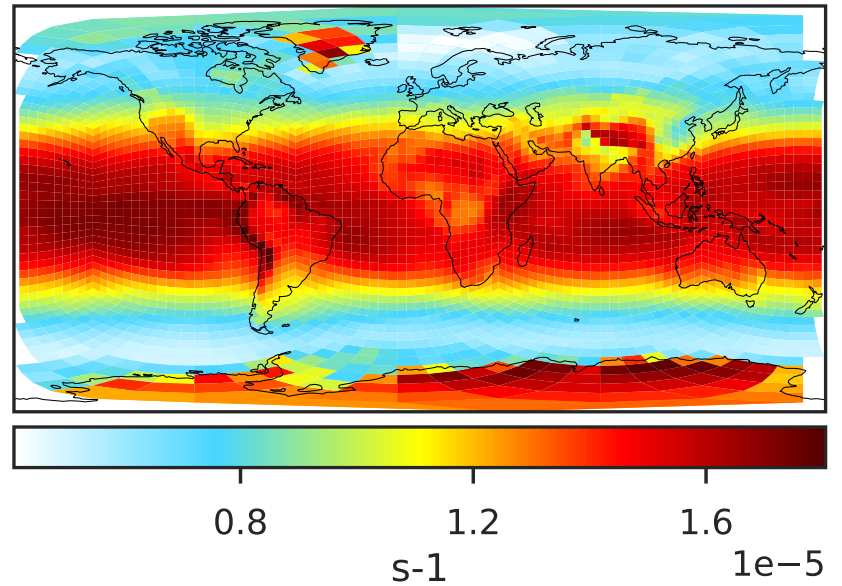


# Jval\_MVKPC (AnnualMean)

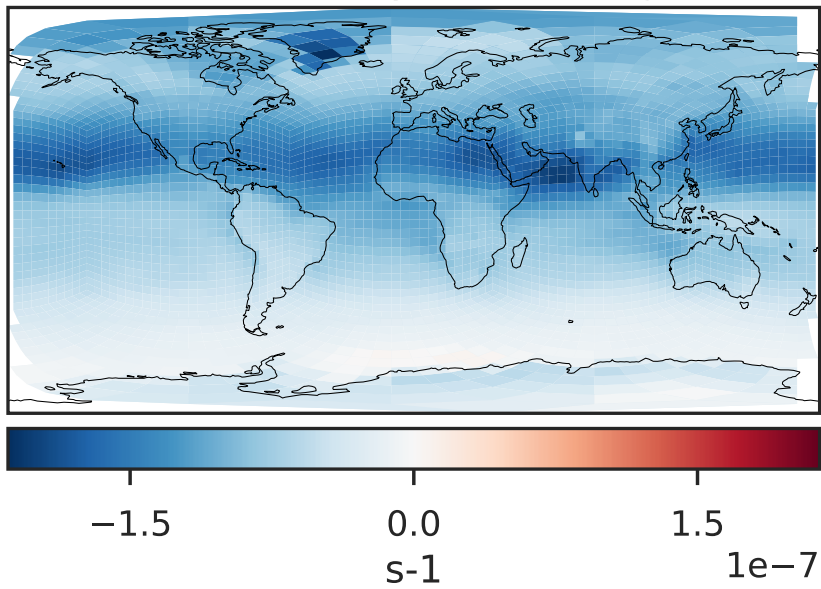
GCHP\_14.0.0 (Ref)  
c24



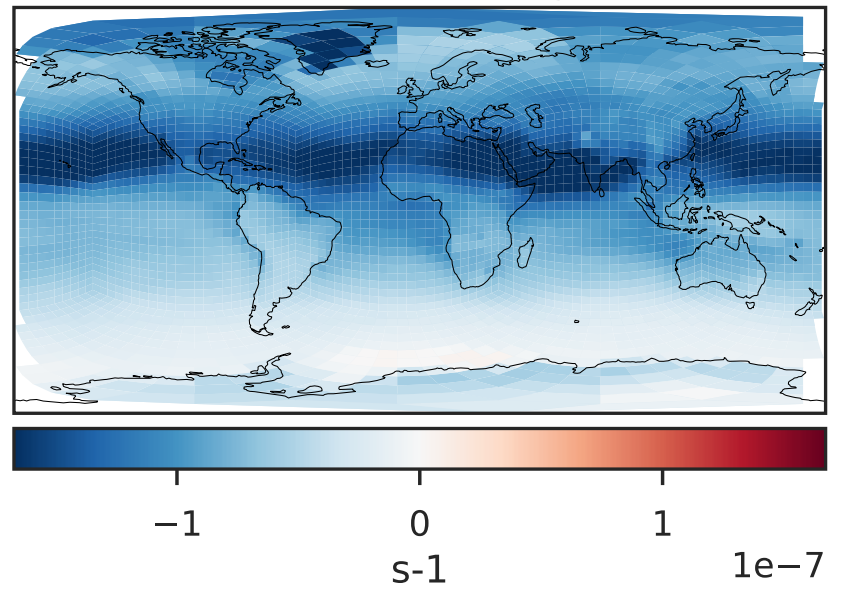
GCHP\_14.2.0 (Dev)  
c24



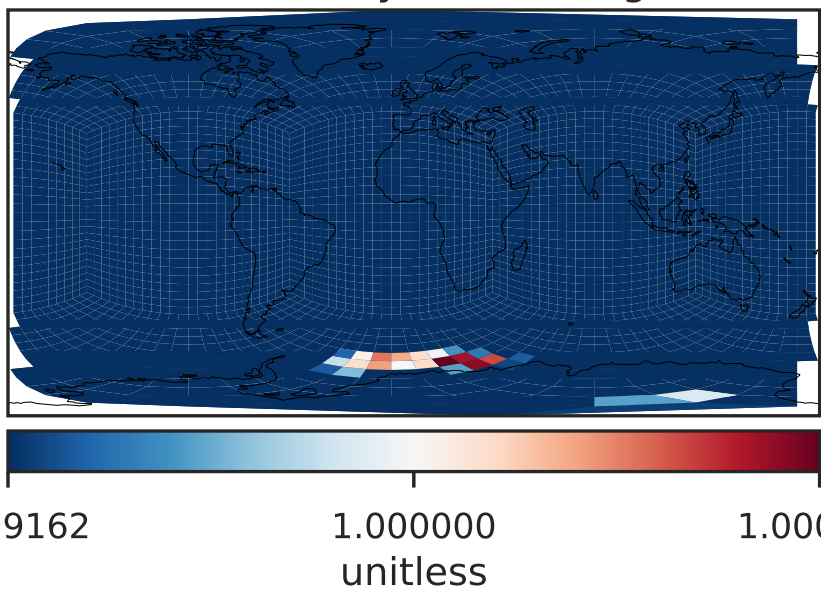
Difference  
Dev - Ref, Dynamic Range



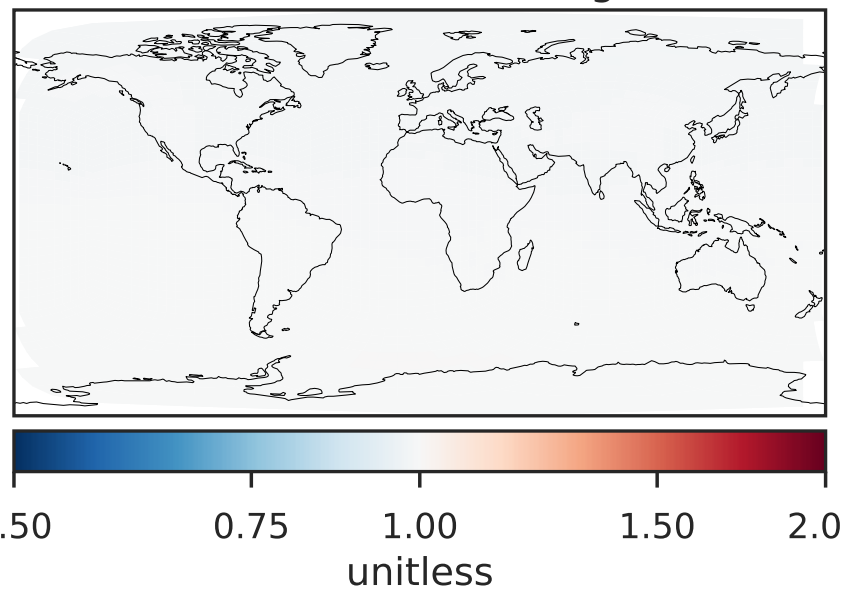
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

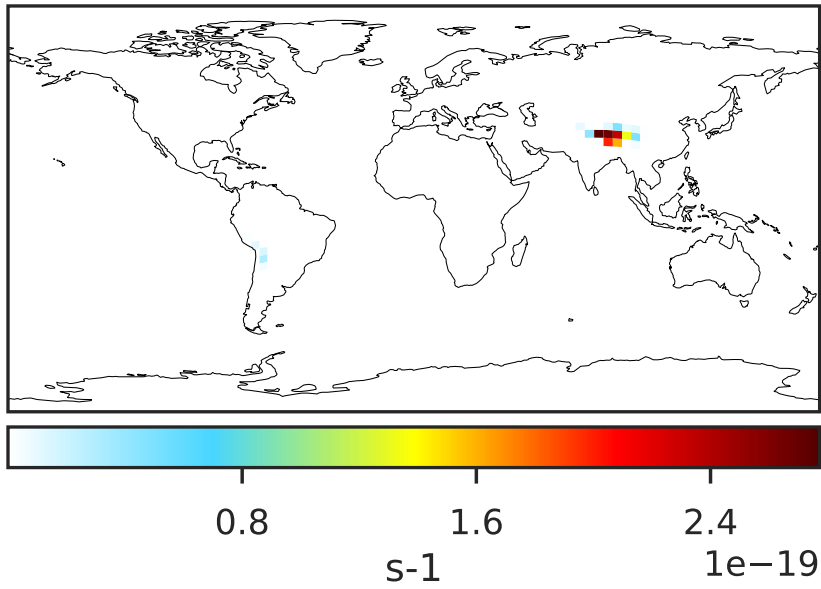


Ratio  
Dev/Ref, Fixed Range

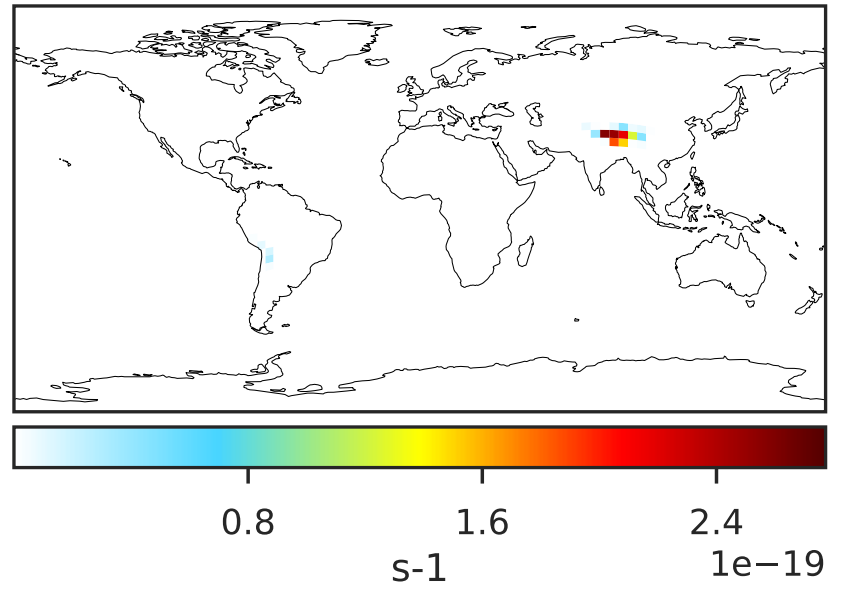


# Jval\_N2O (AnnualMean)

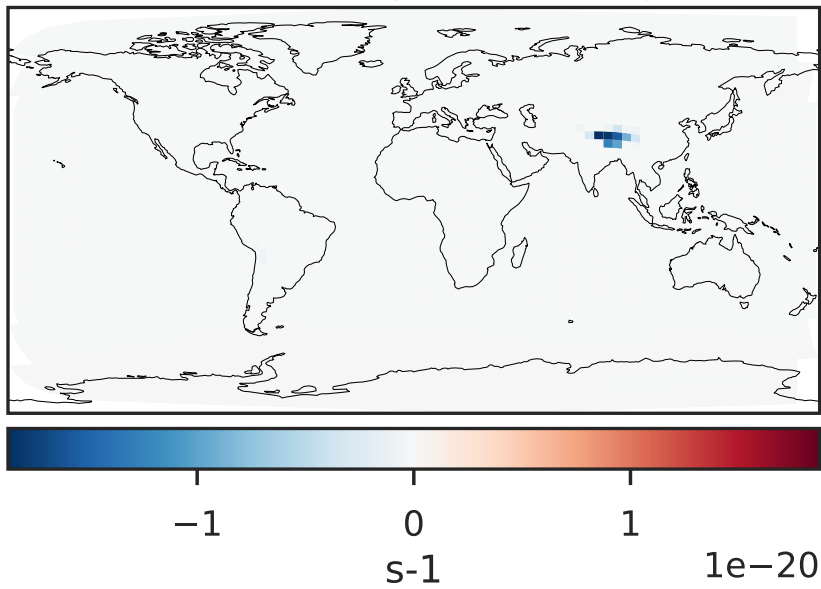
GCHP\_14.0.0 (Ref)  
c24



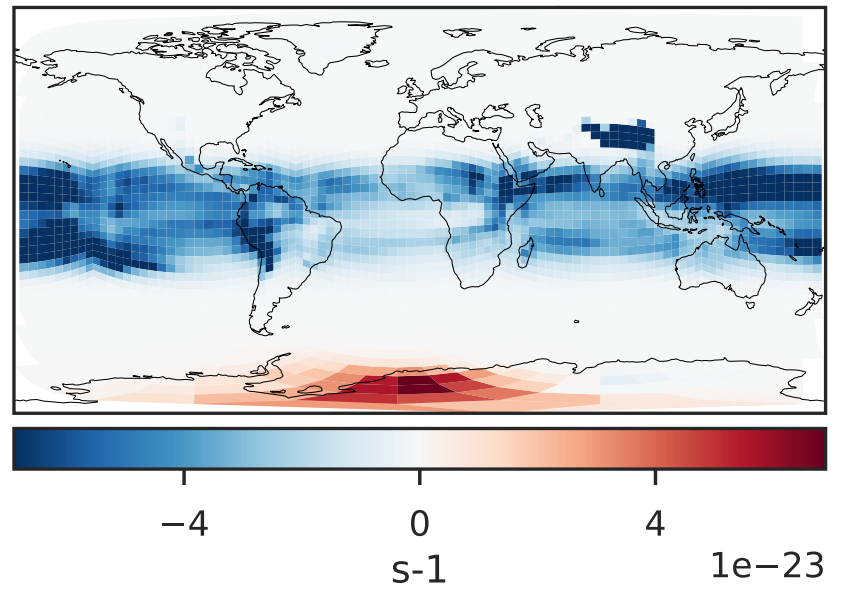
GCHP\_14.2.0 (Dev)  
c24



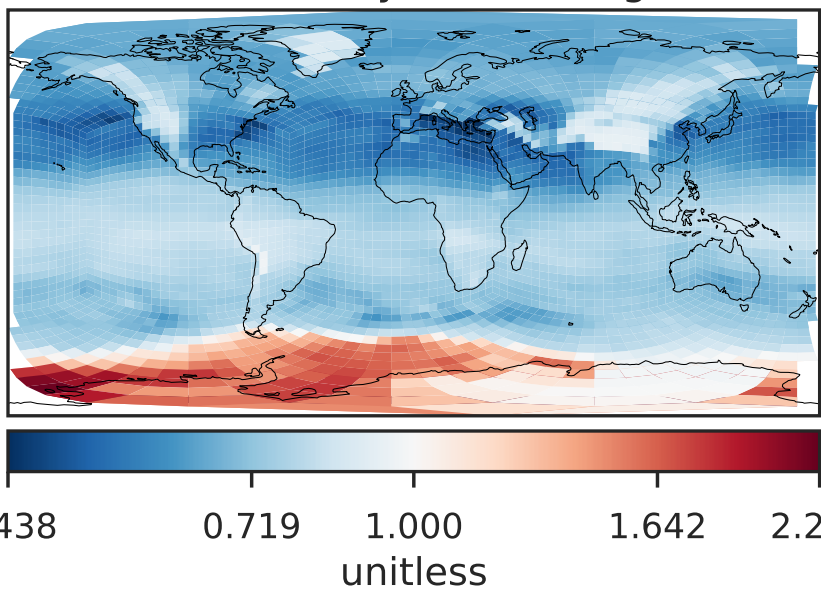
Difference  
Dev - Ref, Dynamic Range



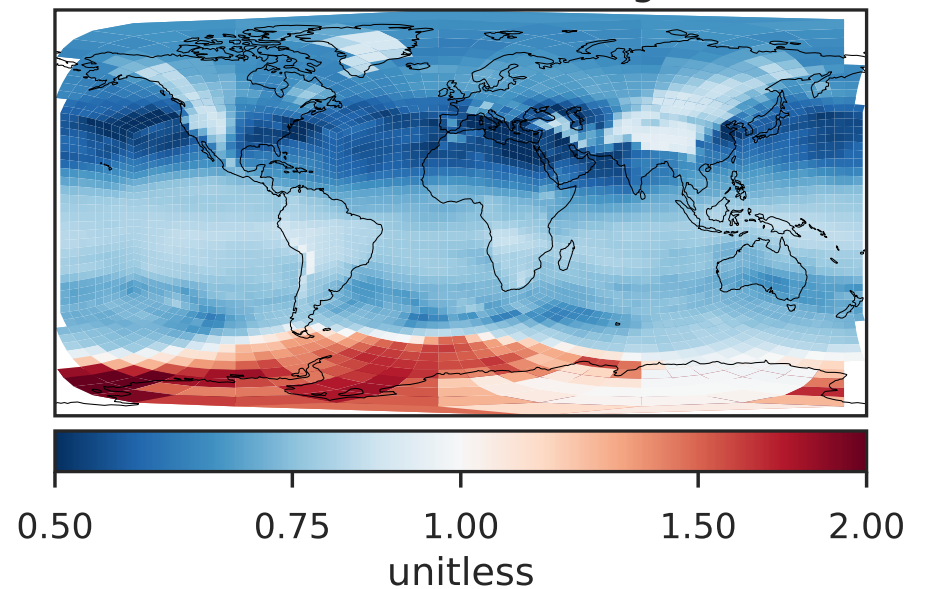
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



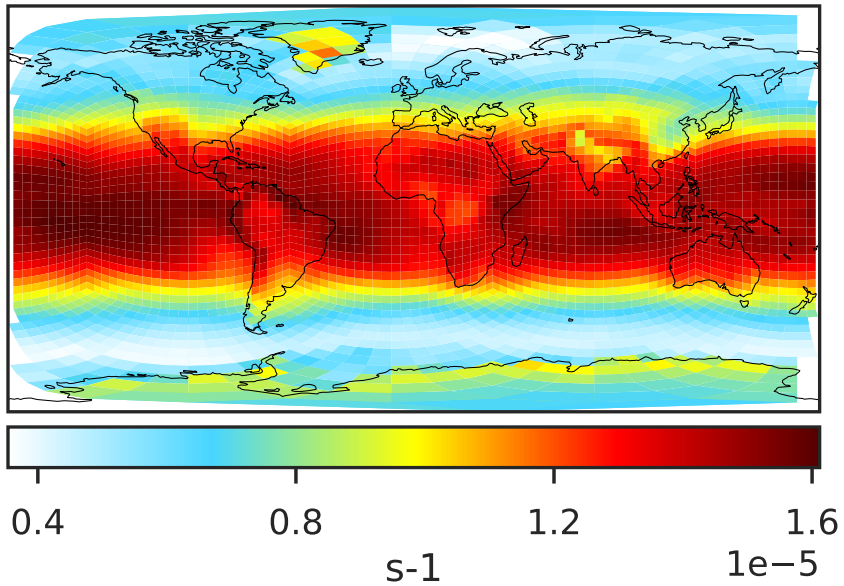
Ratio  
Dev/Ref, Fixed Range



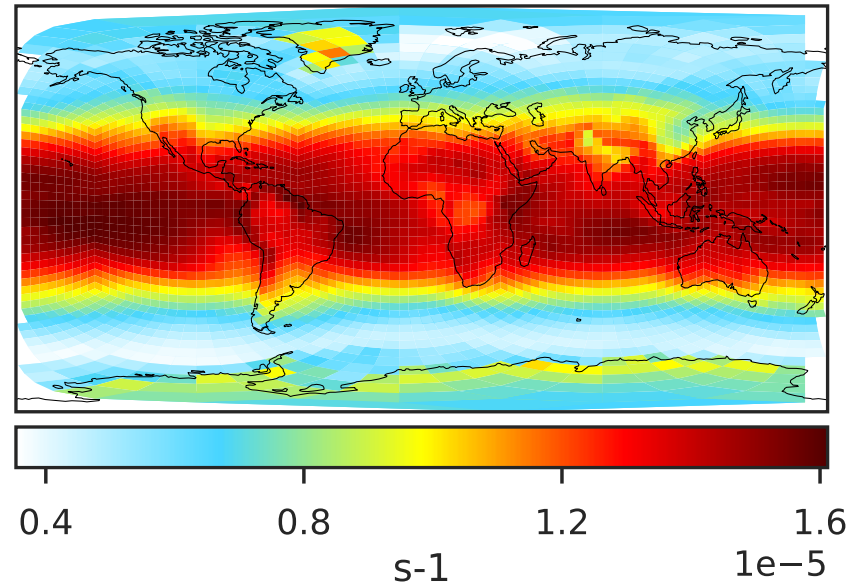


# Jval\_N2O5 (AnnualMean)

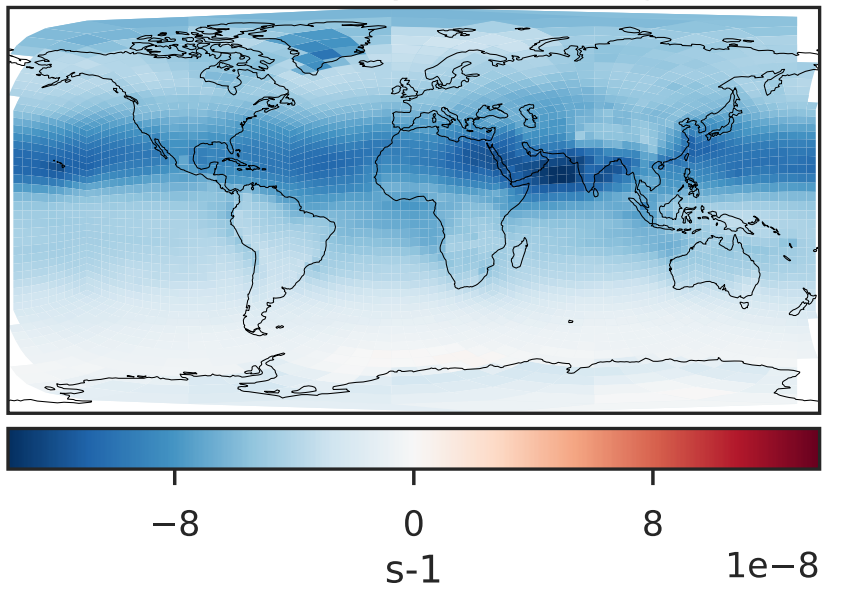
GCHP\_14.0.0 (Ref)  
c24



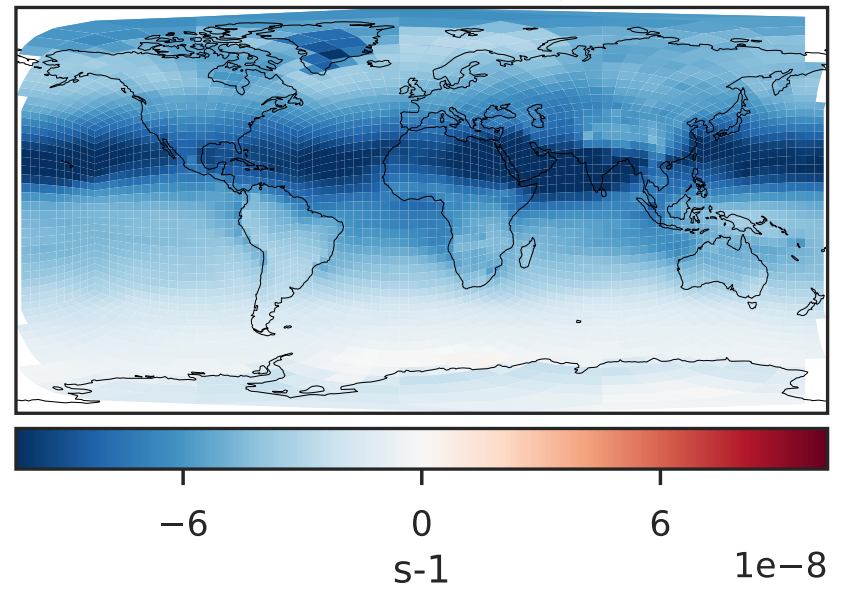
GCHP\_14.2.0 (Dev)  
c24



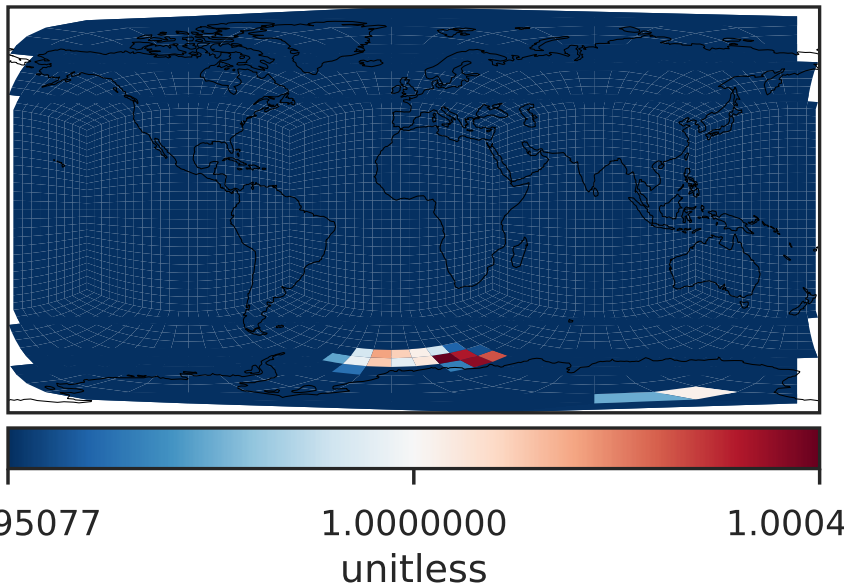
Difference  
Dev - Ref, Dynamic Range



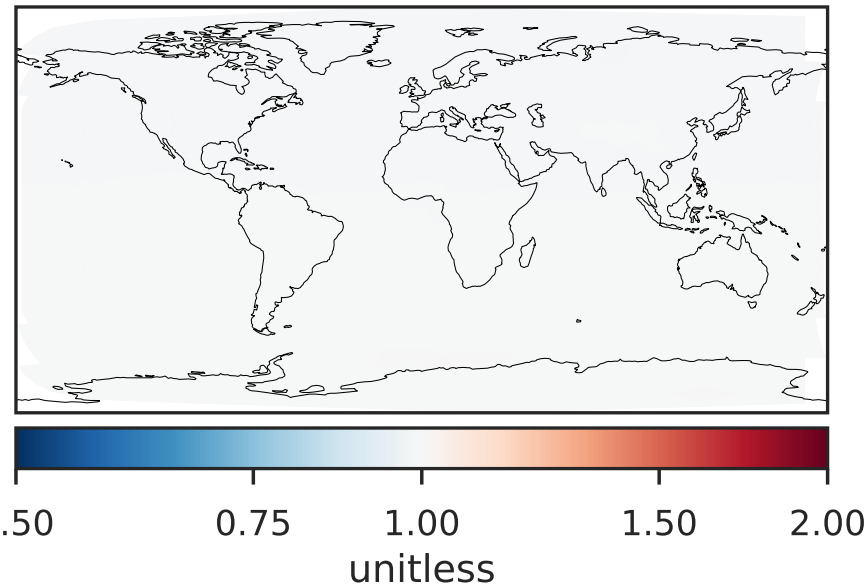
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



Ratio  
Dev/Ref, Fixed Range



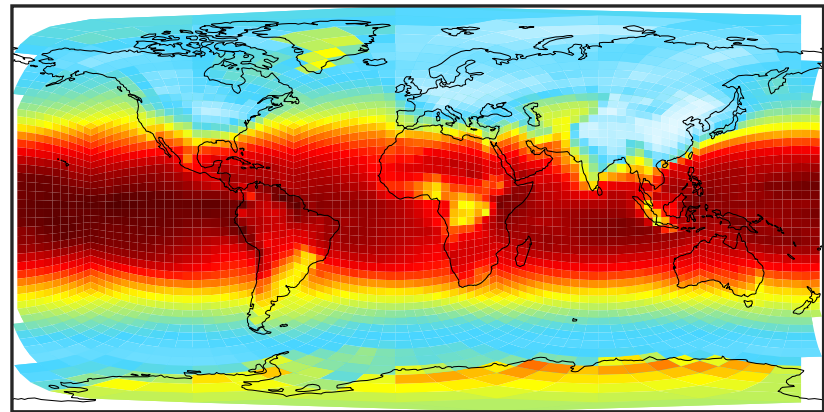
# Jval\_NIT (AnnualMean)

GCHP\_14.0.0 (Ref)  
c24



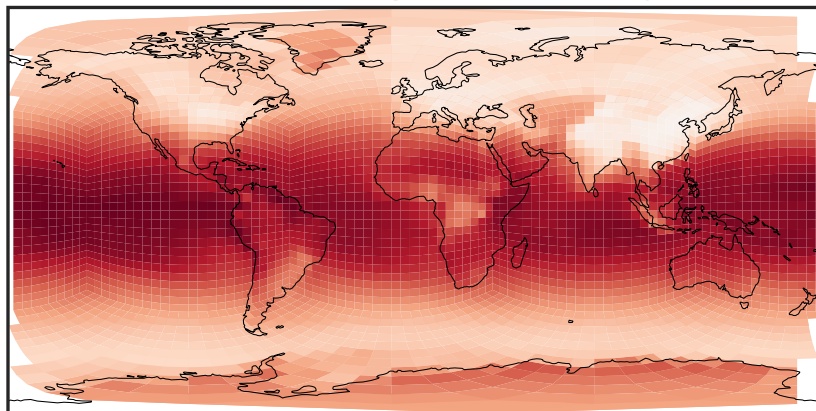
Zero throughout domain  
s-1

GCHP\_14.2.0 (Dev)  
c24



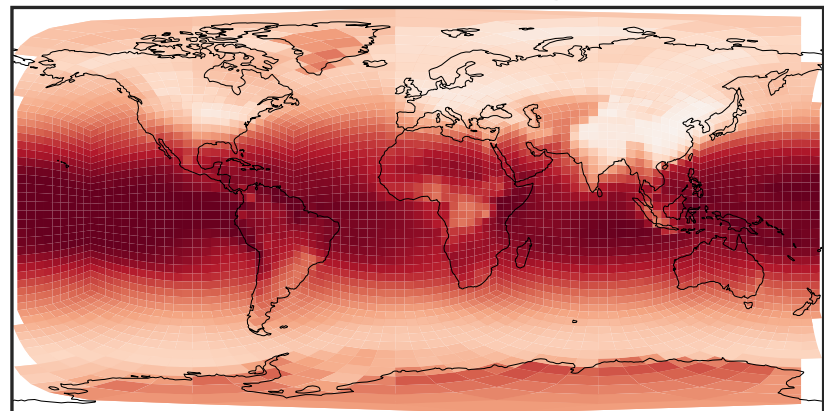
0.0 0.6 1.2 1.8  
s-1 1e-5

Difference  
Dev - Ref, Dynamic Range



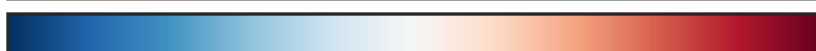
-1.5 0.0 1.5  
s-1 1e-5

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



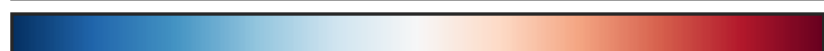
-1.5 0.0 1.5  
s-1 1e-5

Ratio  
Dev/Ref, Dynamic Range



Undefined throughout domain  
unitless

Ratio  
Dev/Ref, Fixed Range



Undefined throughout domain  
unitless



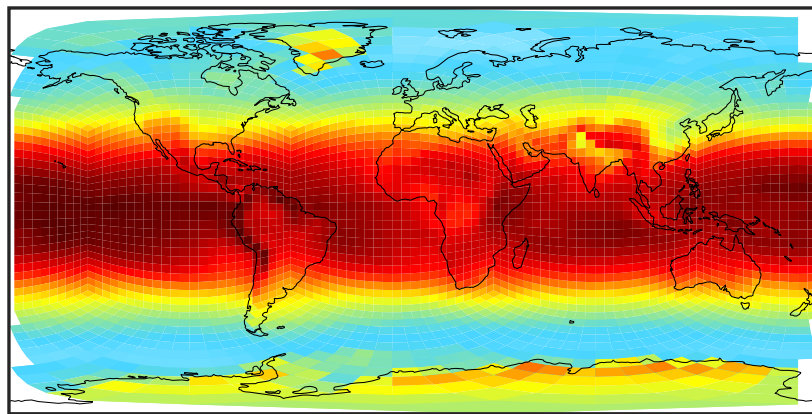
# Jval\_NITs (AnnualMean)

GCHP\_14.0.0 (Ref)  
c24



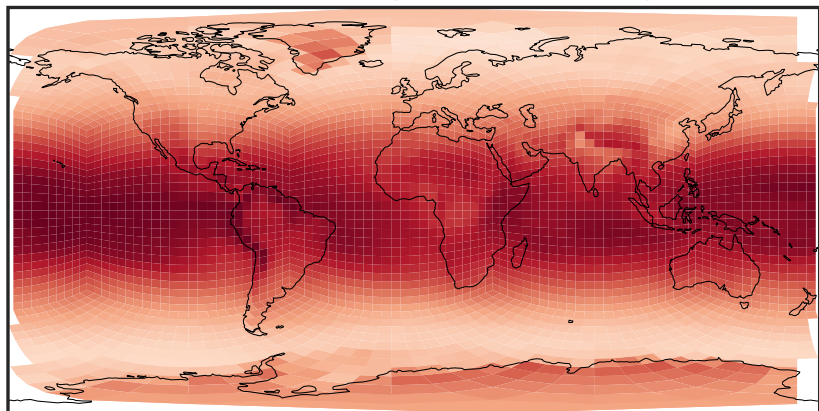
Zero throughout domain  
s-1

GCHP\_14.2.0 (Dev)  
c24



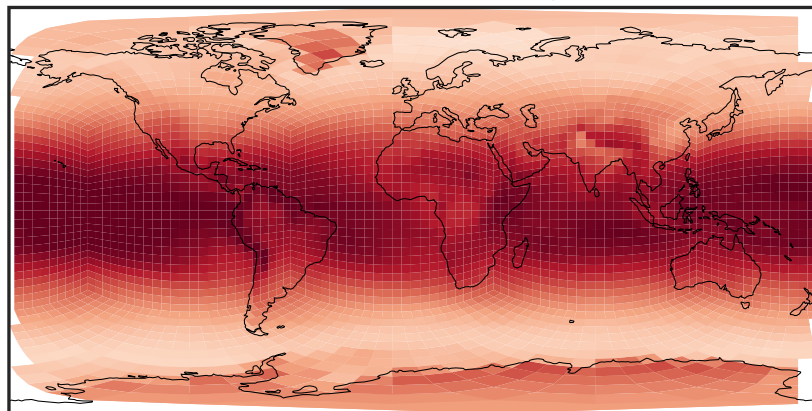
0.0 0.6 1.2 1.8  
s-1 1e-5

Difference  
Dev - Ref, Dynamic Range



-1.5 0.0 1.5  
s-1 1e-5

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



-1.5 0.0 1.5  
s-1 1e-5

Ratio  
Dev/Ref, Dynamic Range



Undefined throughout domain  
unitless

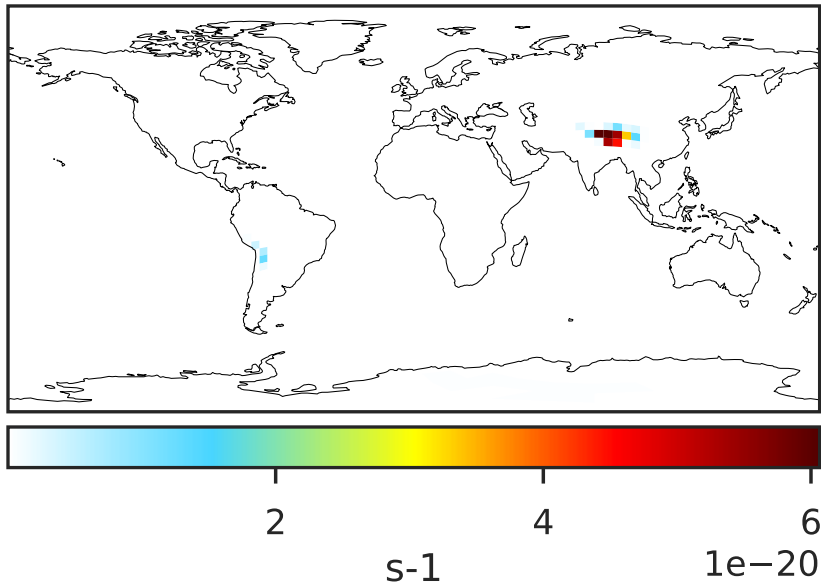
Ratio  
Dev/Ref, Fixed Range



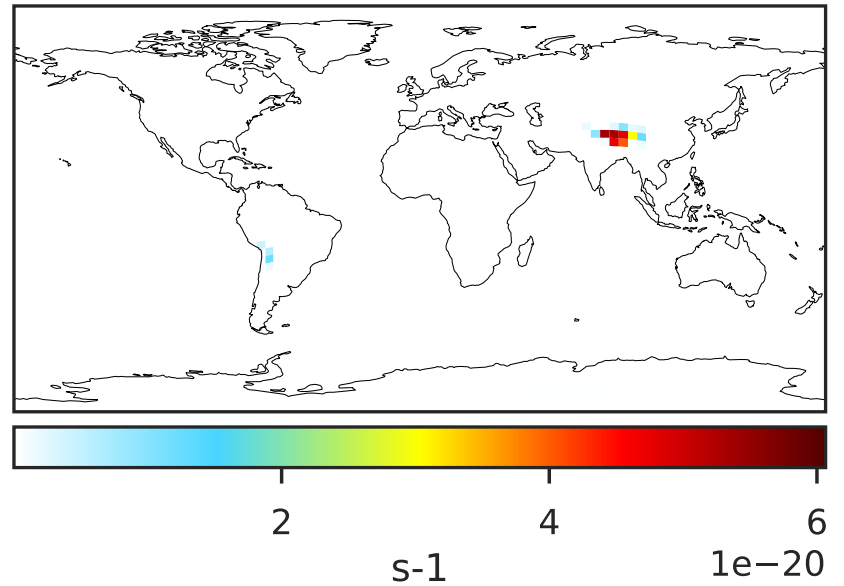
Undefined throughout domain  
unitless

# Jval\_NO (AnnualMean)

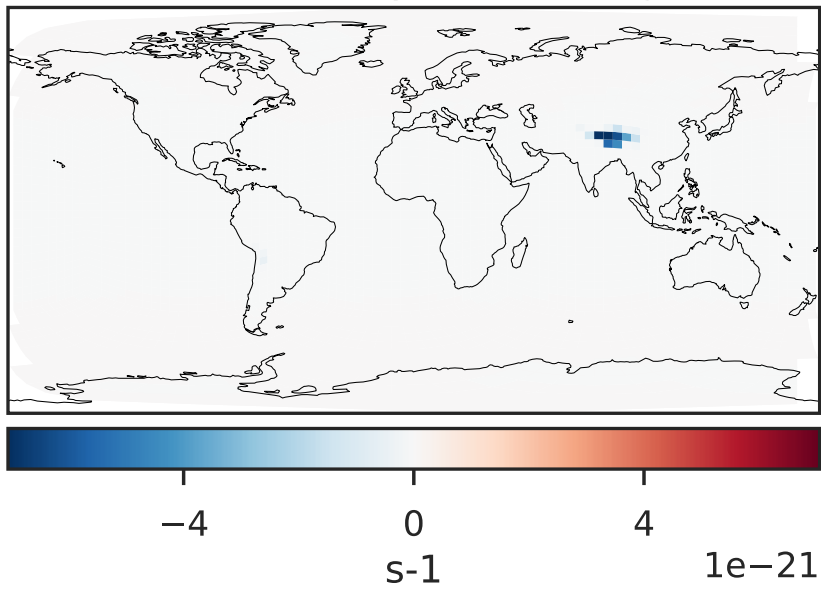
GCHP\_14.0.0 (Ref)  
c24



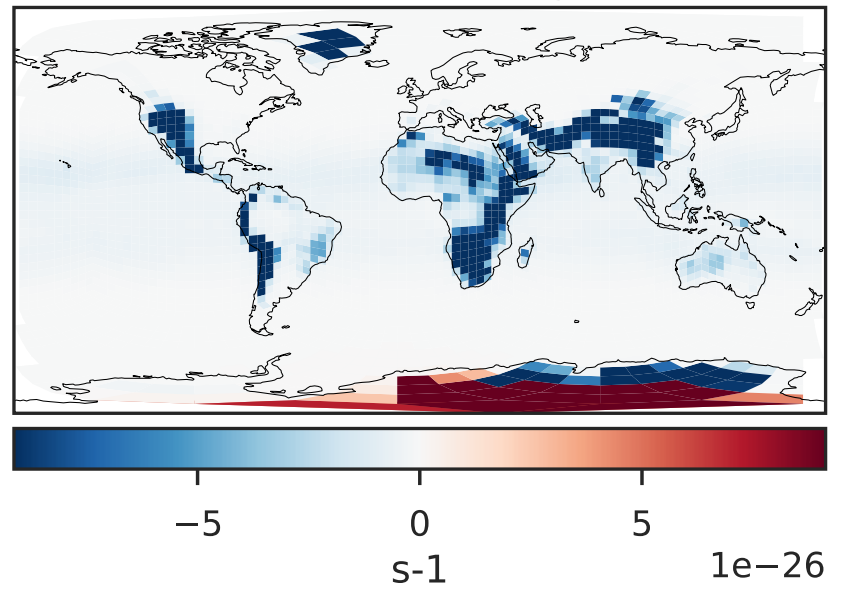
GCHP\_14.2.0 (Dev)  
c24



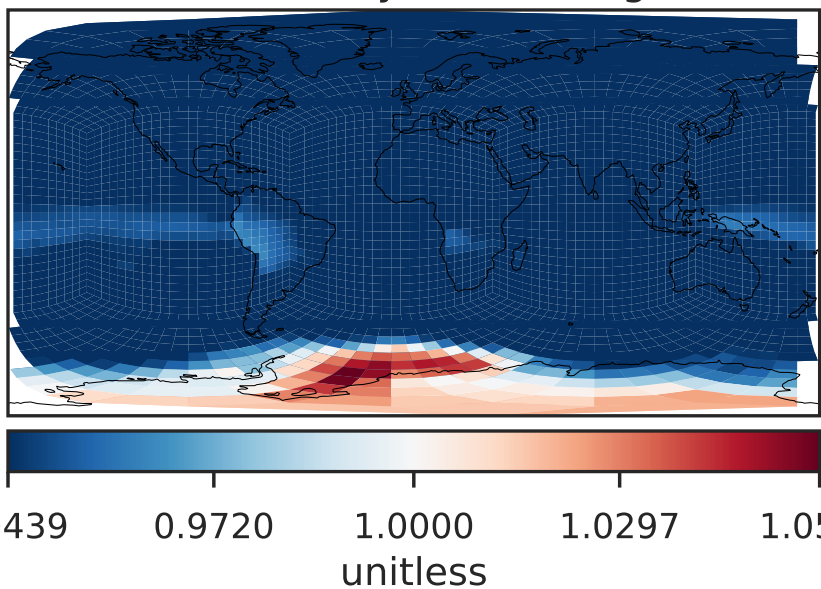
Difference  
Dev - Ref, Dynamic Range



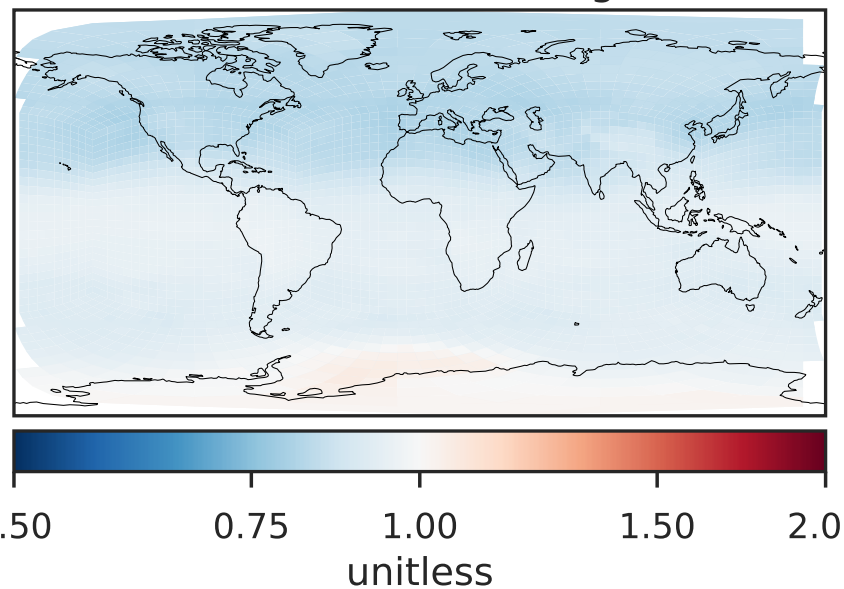
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



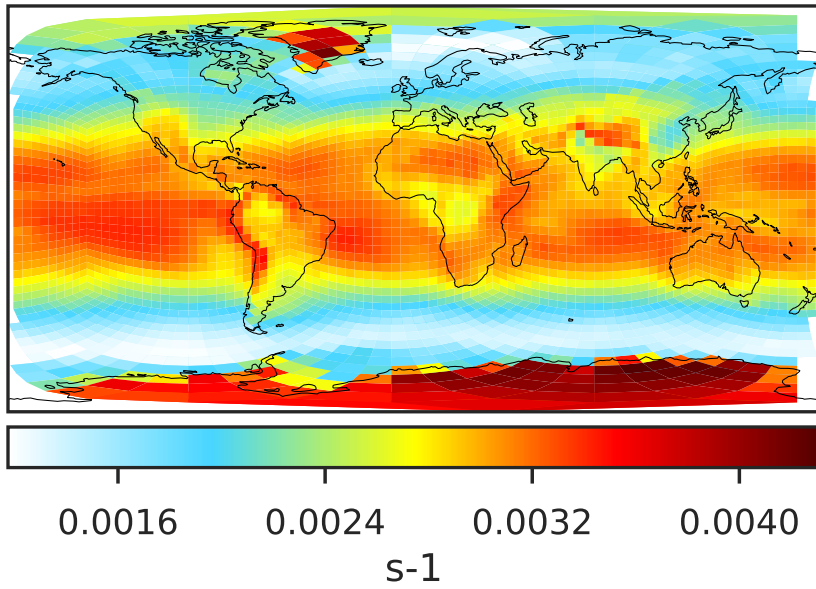
Ratio  
Dev/Ref, Fixed Range



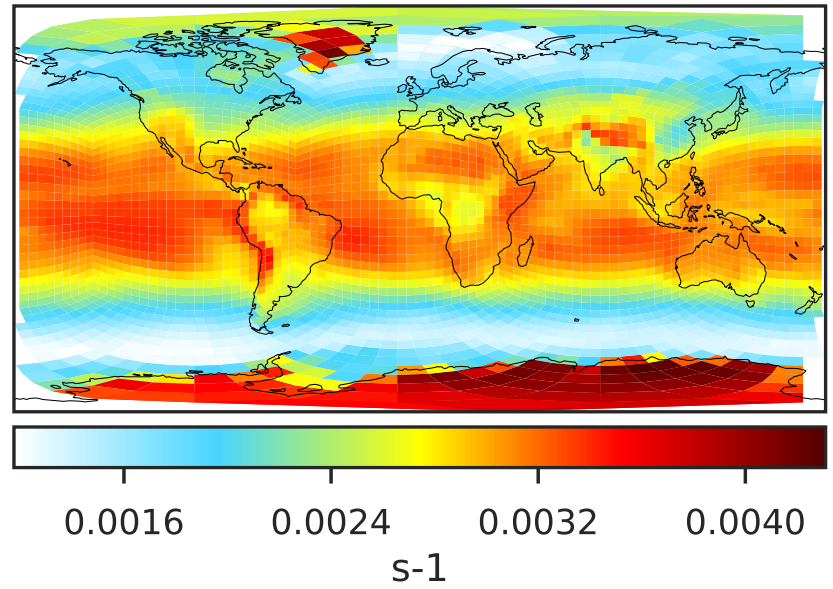


# Jval\_NO2 (AnnualMean)

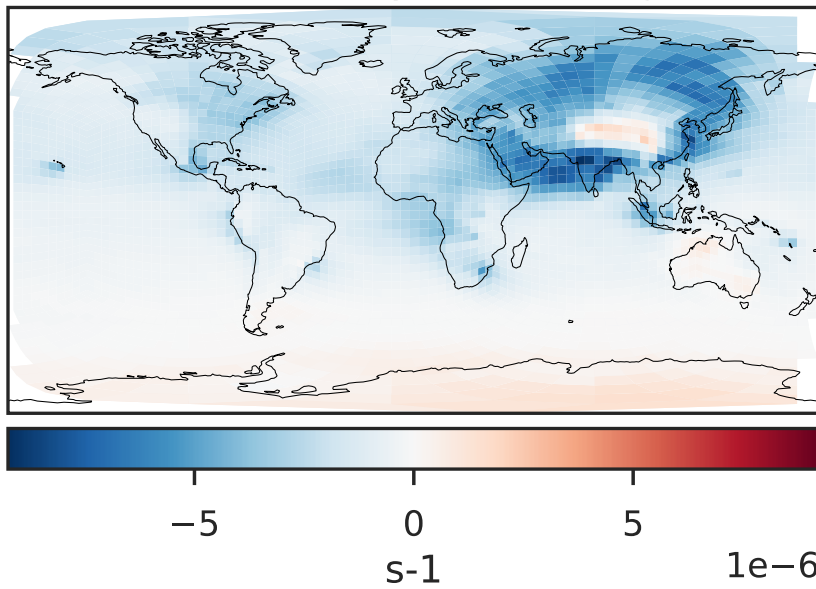
GCHP\_14.0.0 (Ref)  
c24



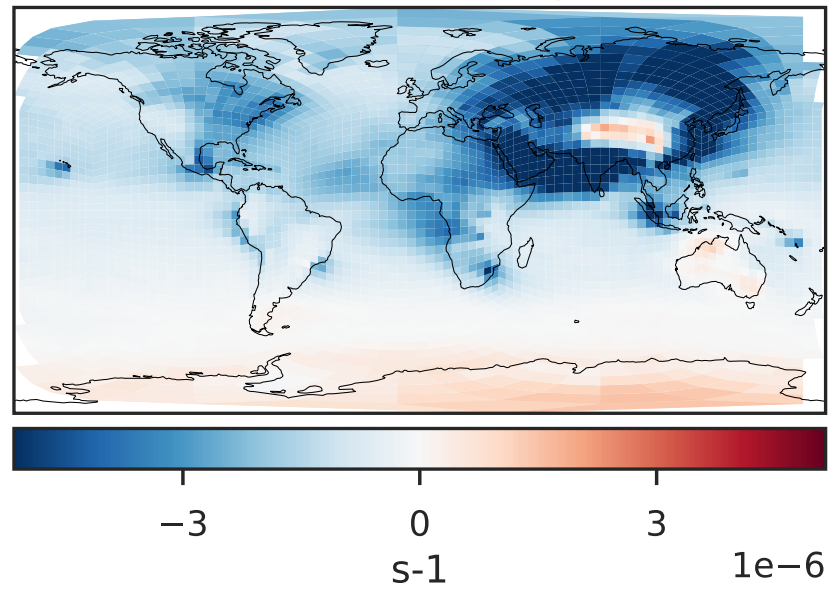
GCHP\_14.2.0 (Dev)  
c24



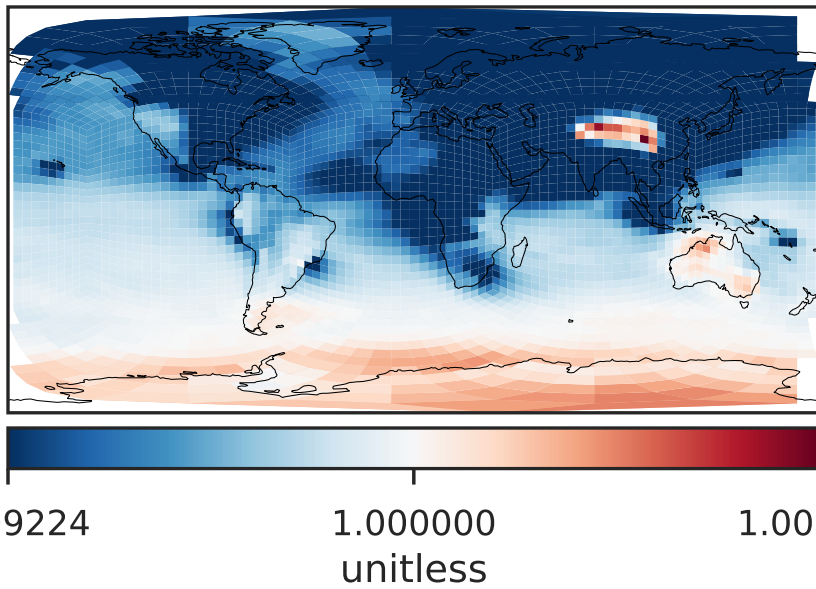
Difference  
Dev - Ref, Dynamic Range



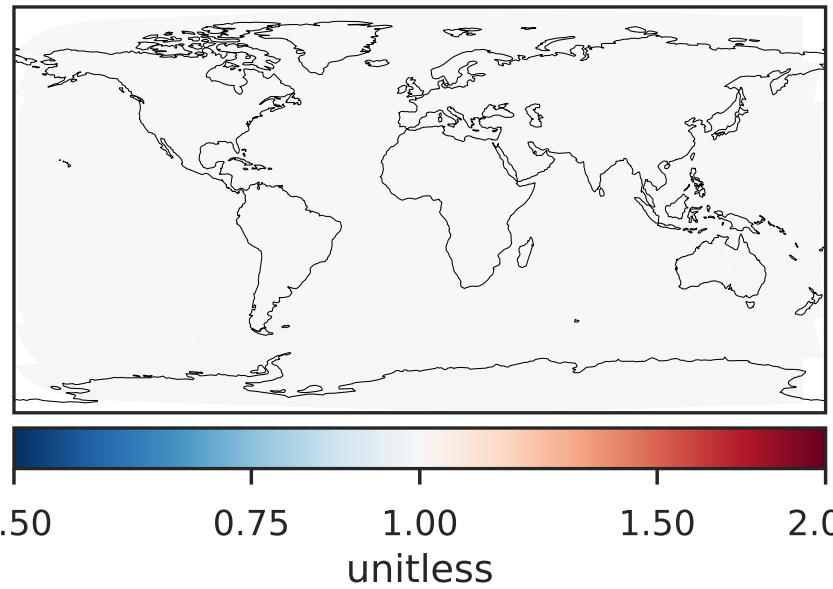
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

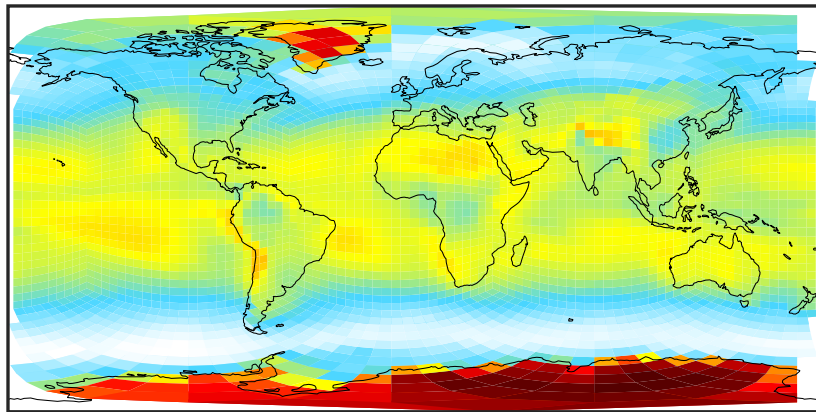


Ratio  
Dev/Ref, Fixed Range



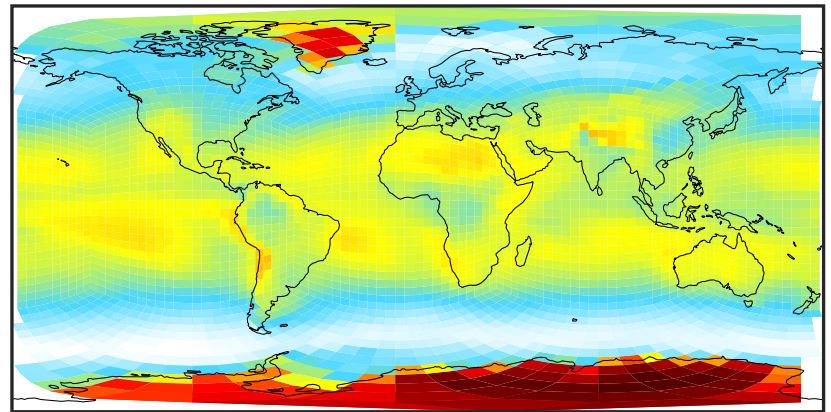
# Jval\_NO3 (AnnualMean)

GCHP\_14.0.0 (Ref)  
c24



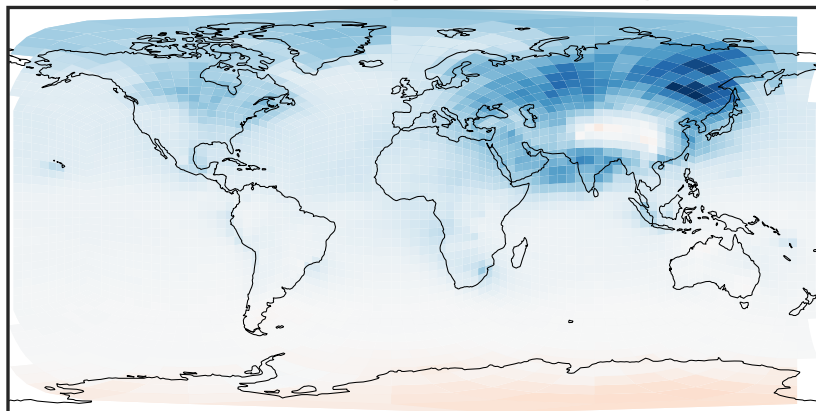
0.0026918 0.0518 0.0778 0.1354  
s-1

GCHP\_14.2.0 (Dev)  
c24



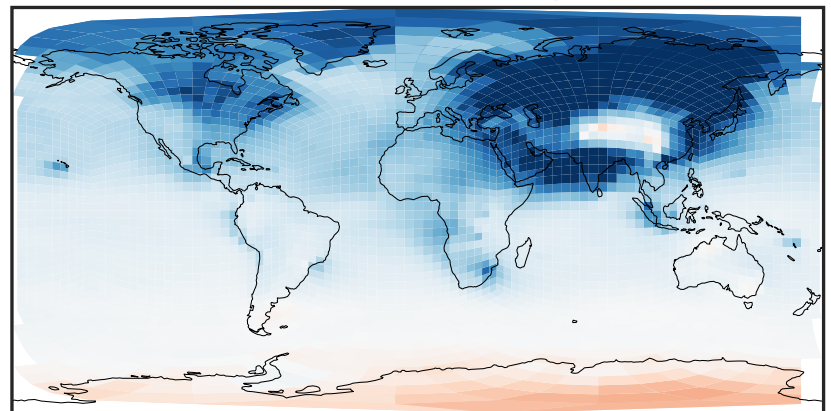
0.0026918 0.0518 0.0778 0.1354  
s-1

Difference  
Dev - Ref, Dynamic Range



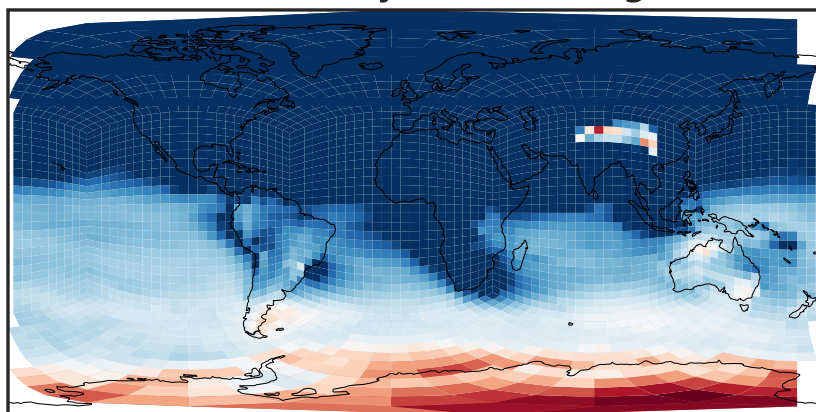
-0.0002 0.0000 0.0002  
s-1

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



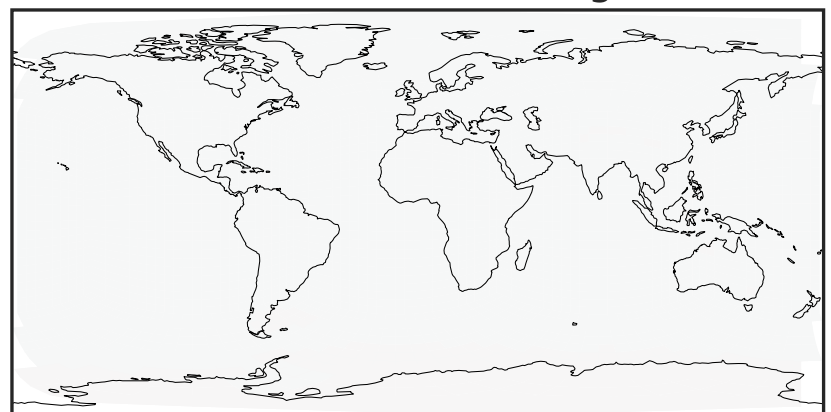
-8 0 8  
s-1 1e-5

Ratio  
Dev/Ref, Dynamic Range



0.9995996 1.000000 1.0004005  
unitless

Ratio  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless



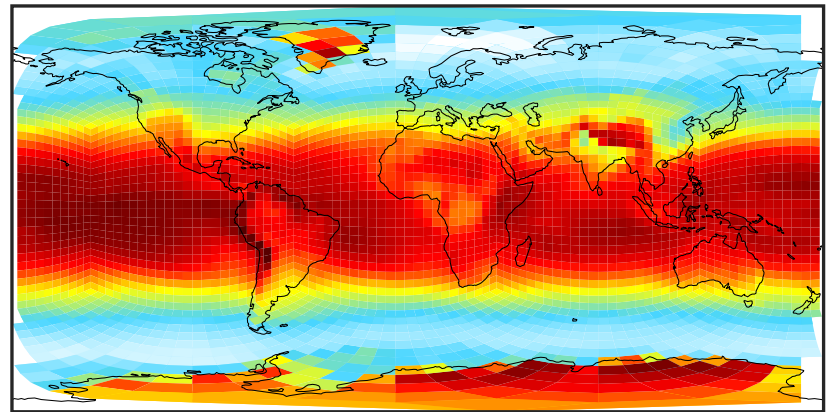
# Jval\_NPHEN (AnnualMean)

GCHP\_14.0.0 (Ref)  
c24



Undefined throughout domain  
s-1

GCHP\_14.2.0 (Dev)  
c24



0.50 0.75 1.00  
s-1  $1e-5$

Difference  
Dev - Ref, Dynamic Range



Undefined throughout domain  
s-1

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



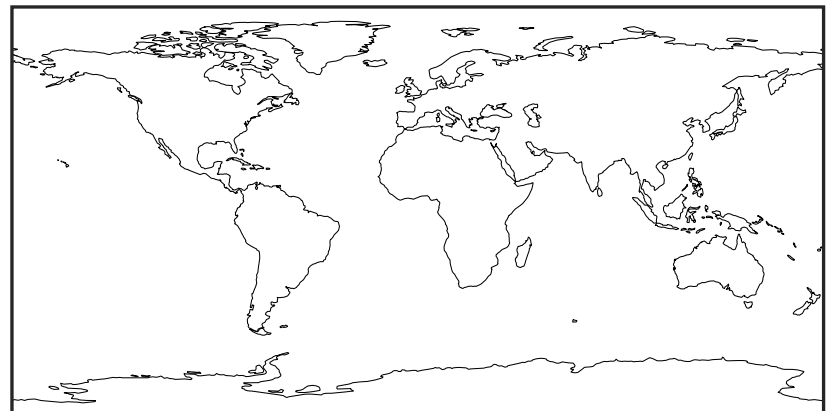
Undefined throughout domain  
s-1

Ratio  
Dev/Ref, Dynamic Range



Undefined throughout domain  
unitless

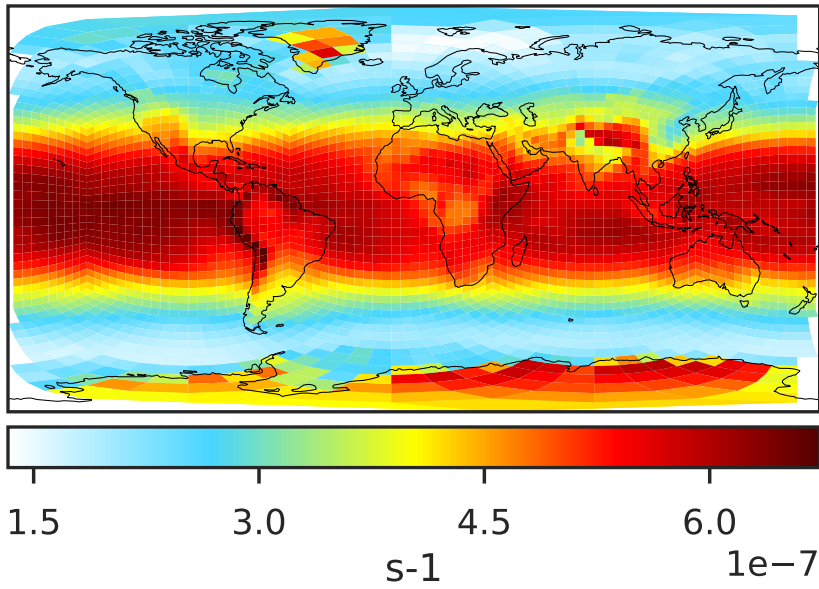
Ratio  
Dev/Ref, Fixed Range



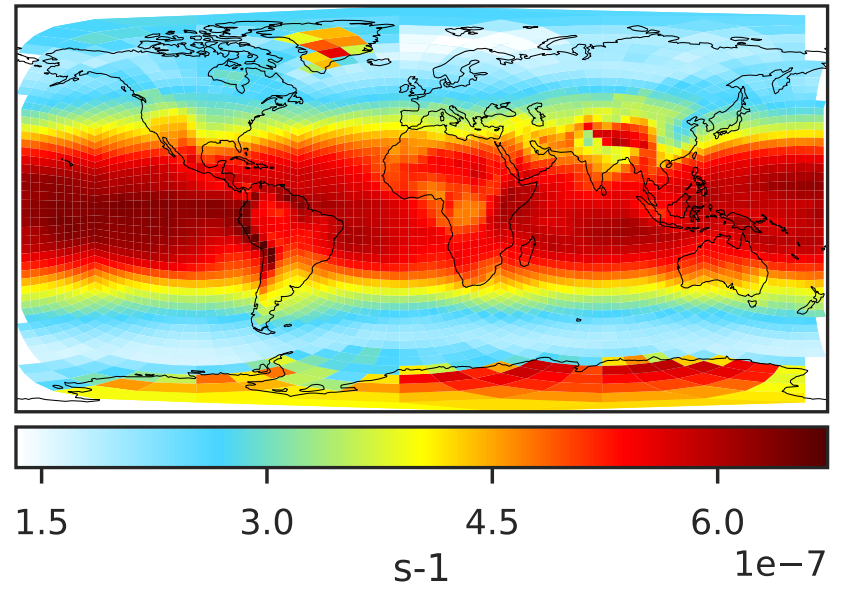
Undefined throughout domain  
unitless

# Jval\_NPRNO3 (AnnualMean)

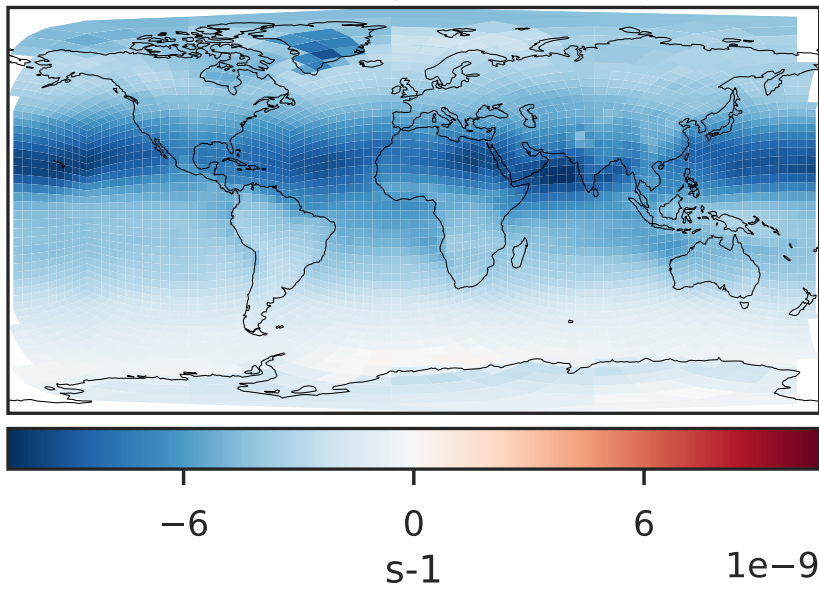
GCHP\_14.0.0 (Ref)  
c24



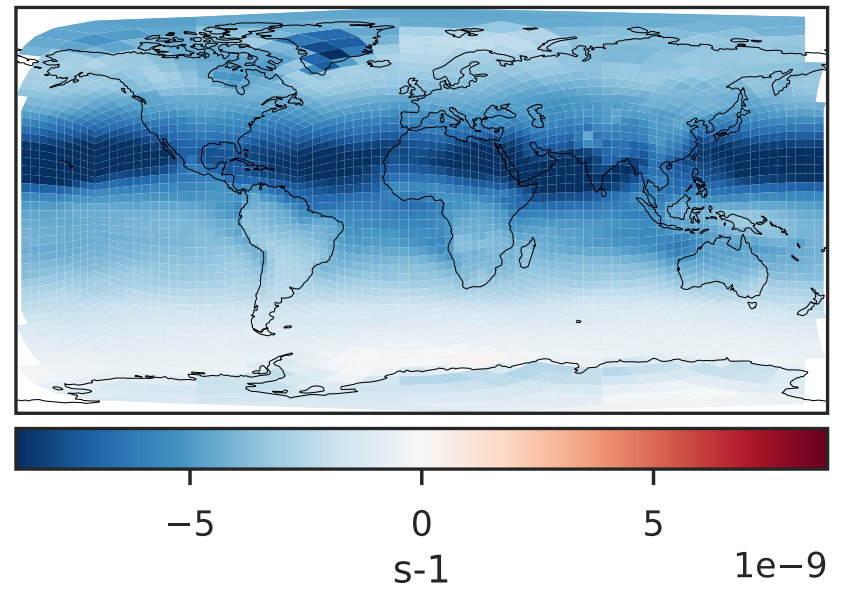
GCHP\_14.2.0 (Dev)  
c24



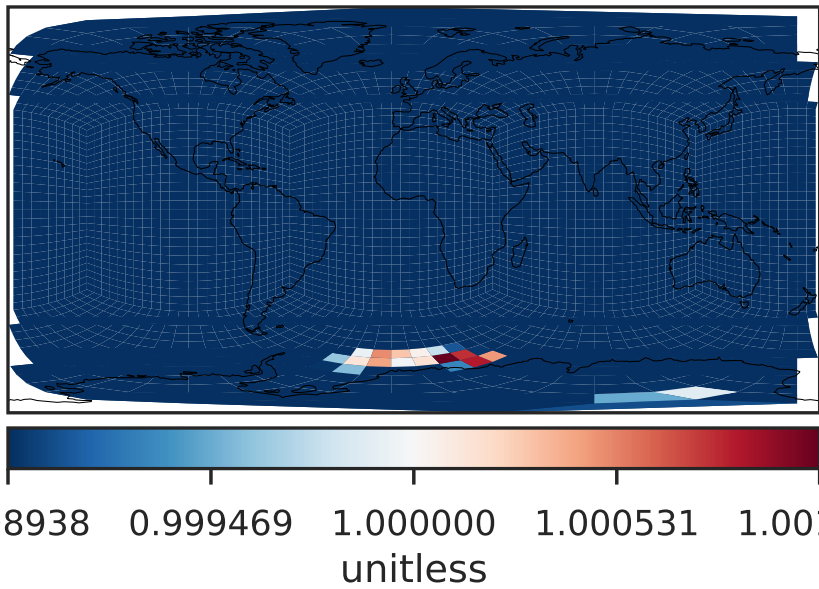
Difference  
Dev - Ref, Dynamic Range



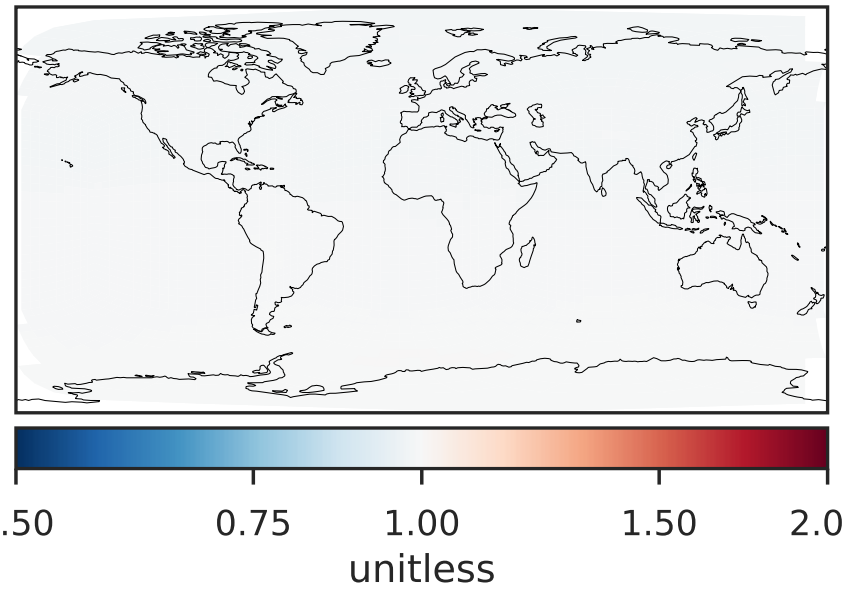
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



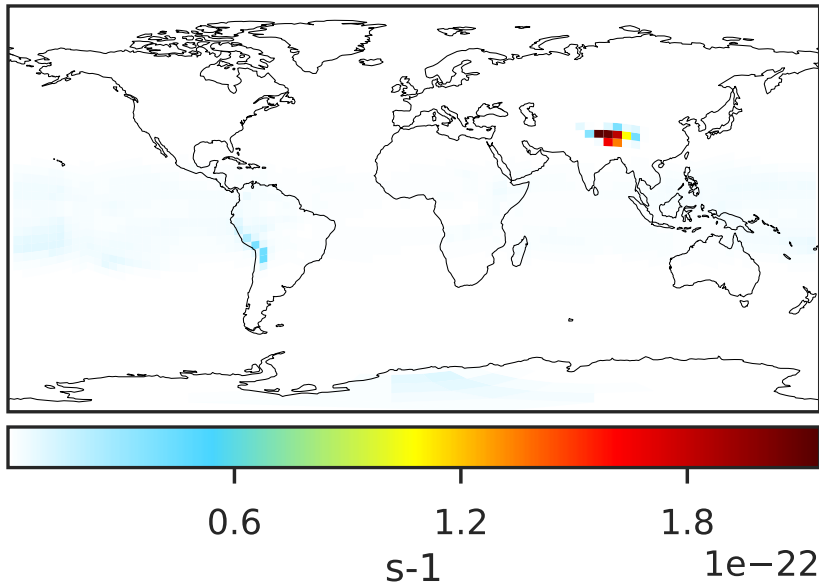
Ratio  
Dev/Ref, Fixed Range



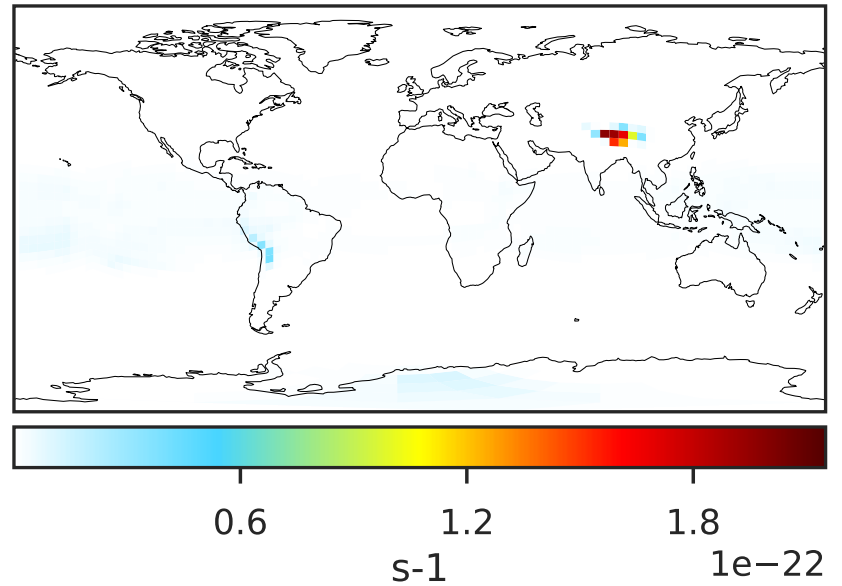


# Jval\_O2 (AnnualMean)

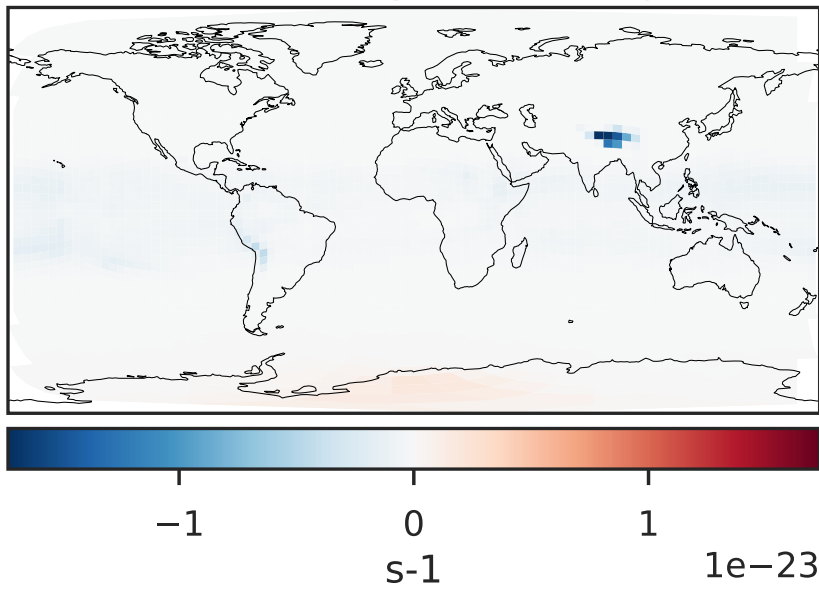
GCHP\_14.0.0 (Ref)  
c24



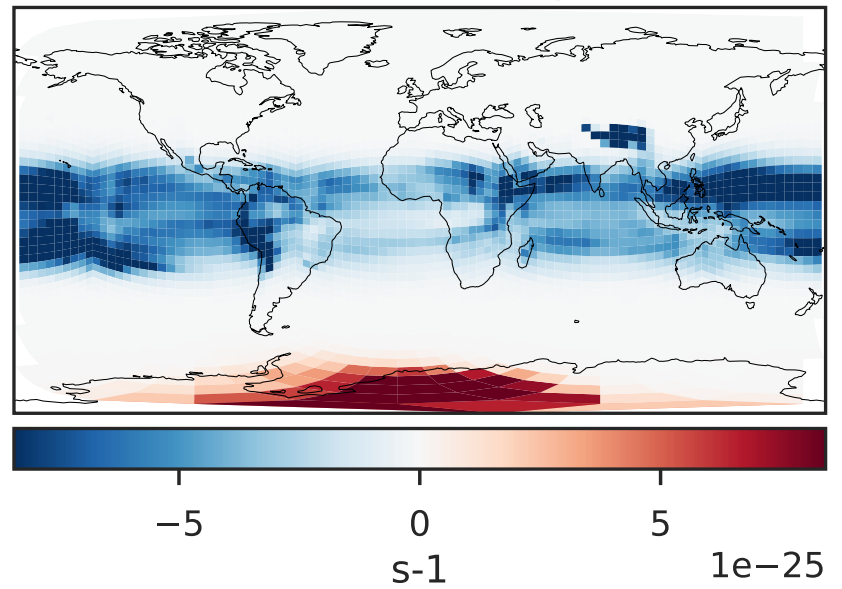
GCHP\_14.2.0 (Dev)  
c24



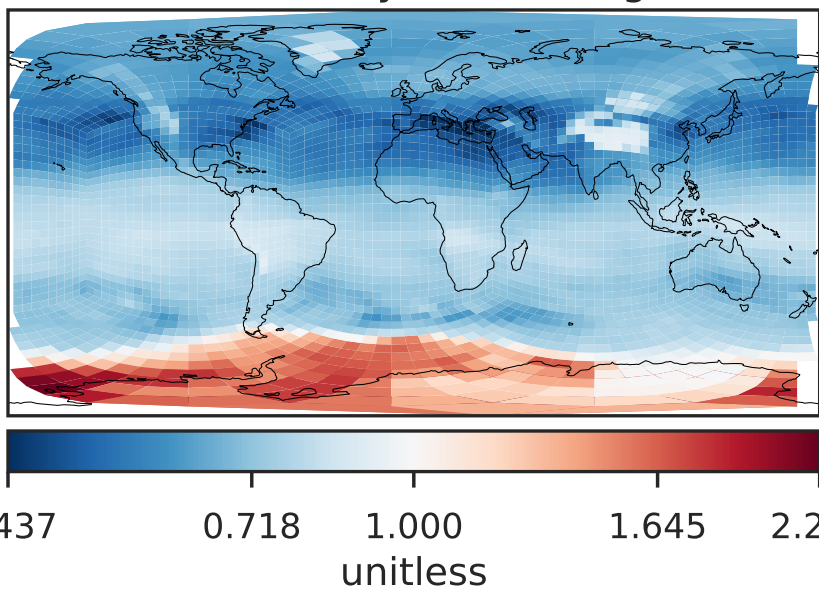
Difference  
Dev - Ref, Dynamic Range



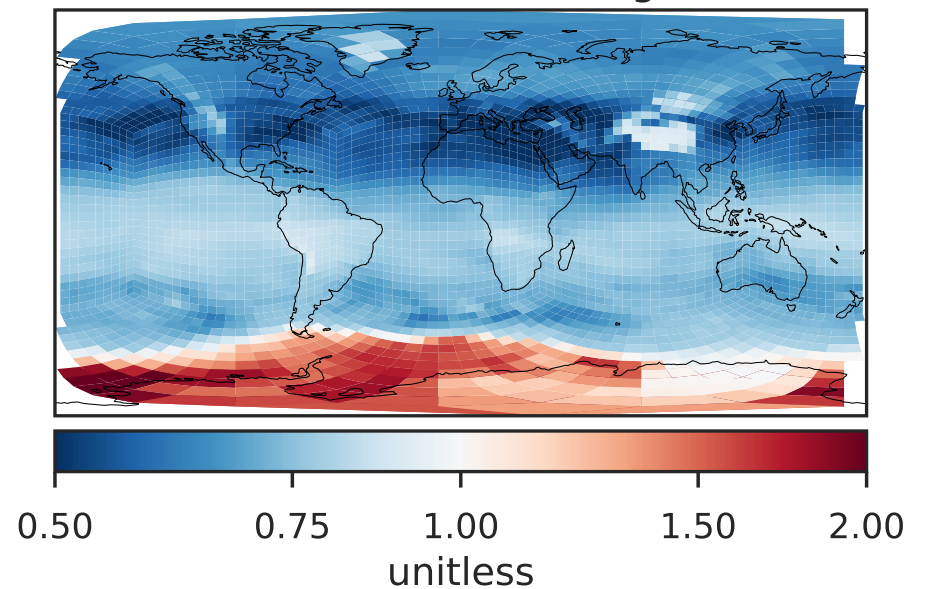
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

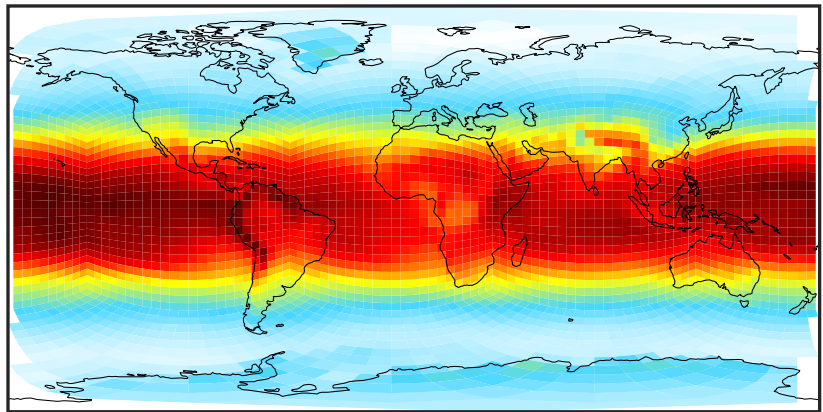


Ratio  
Dev/Ref, Fixed Range



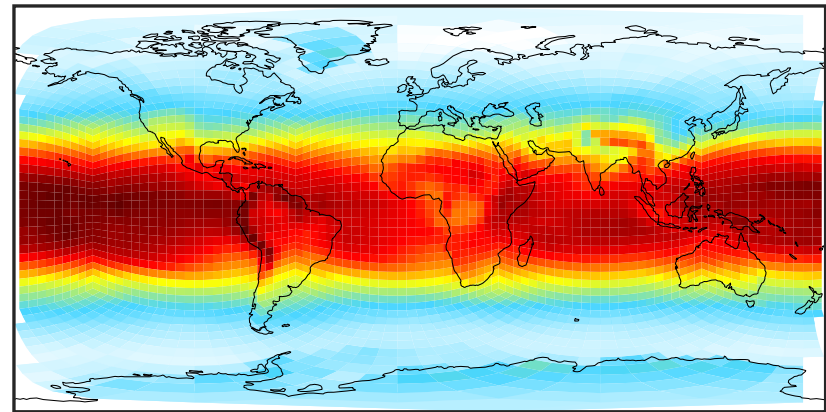
# Jval\_O3 (AnnualMean)

GCHP\_14.0.0 (Ref)  
c24



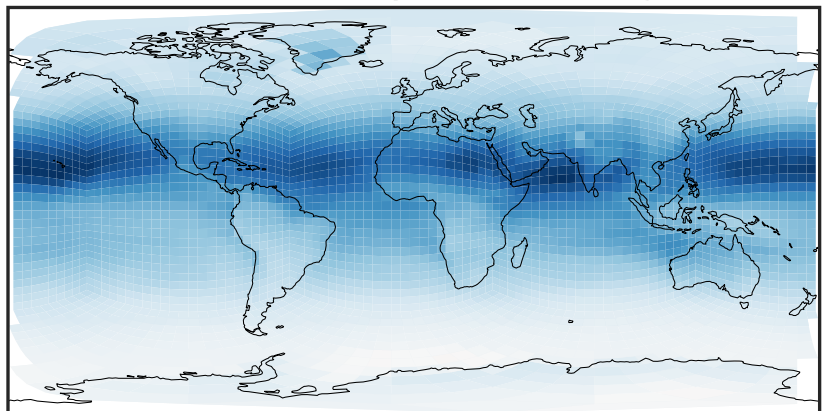
0.3 0.6 0.9 1.2  
s-1 1e-5

GCHP\_14.2.0 (Dev)  
c24



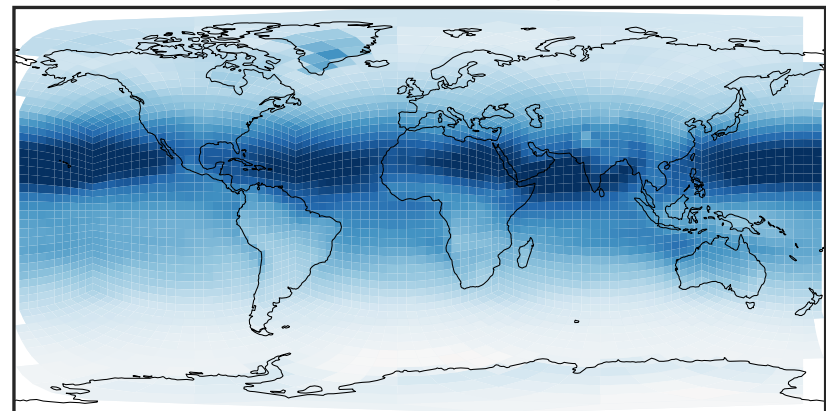
0.3 0.6 0.9 1.2  
s-1 1e-5

Difference  
Dev - Ref, Dynamic Range



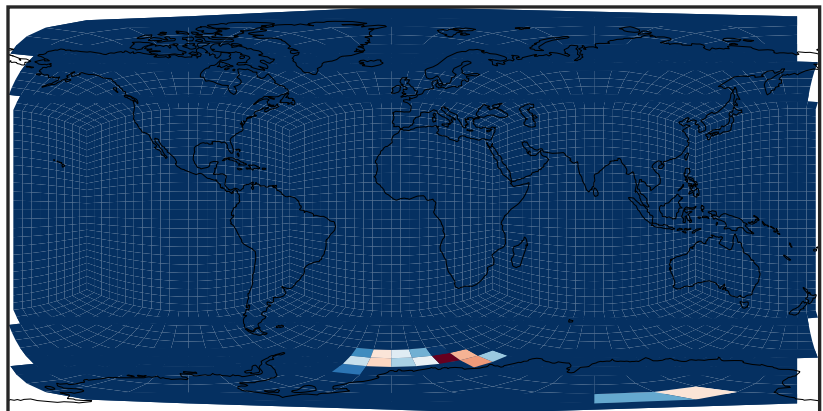
-2 0 2  
s-1 1e-7

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



-2 0 2  
s-1 1e-7

Ratio  
Dev/Ref, Dynamic Range



0.997690 0.998845 1.000000 1.001158 1.002315  
unitless

Ratio  
Dev/Ref, Fixed Range

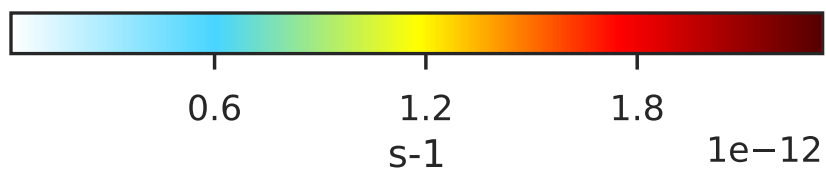
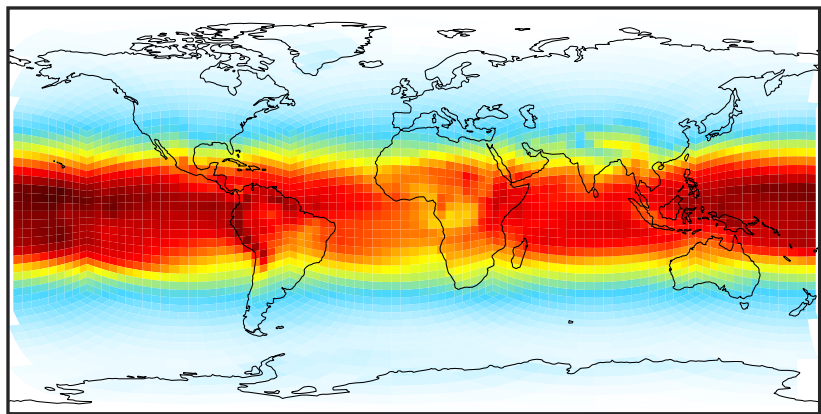


0.50 0.75 1.00 1.50 2.00  
unitless

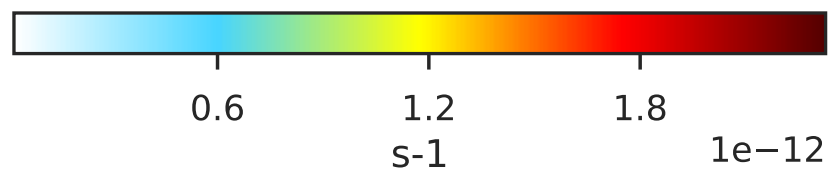
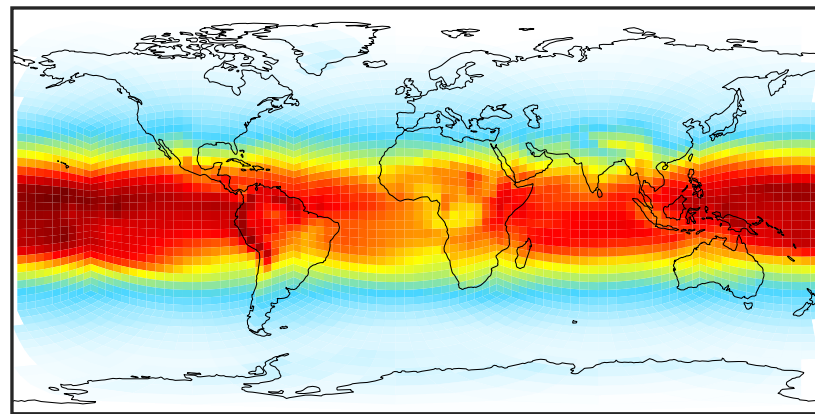


# Jval\_OCS (AnnualMean)

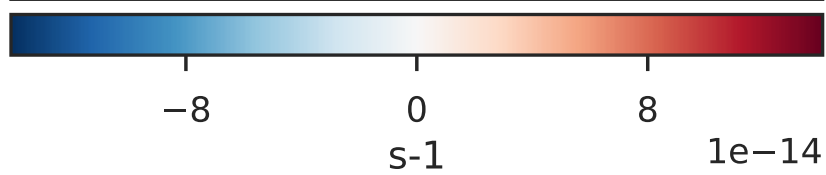
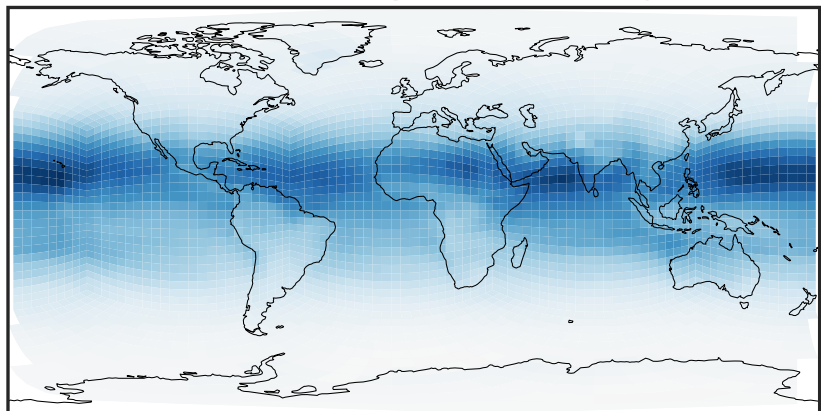
GCHP\_14.0.0 (Ref)  
c24



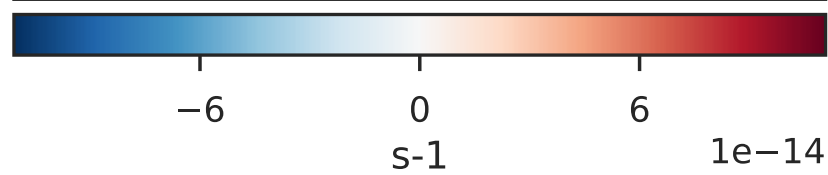
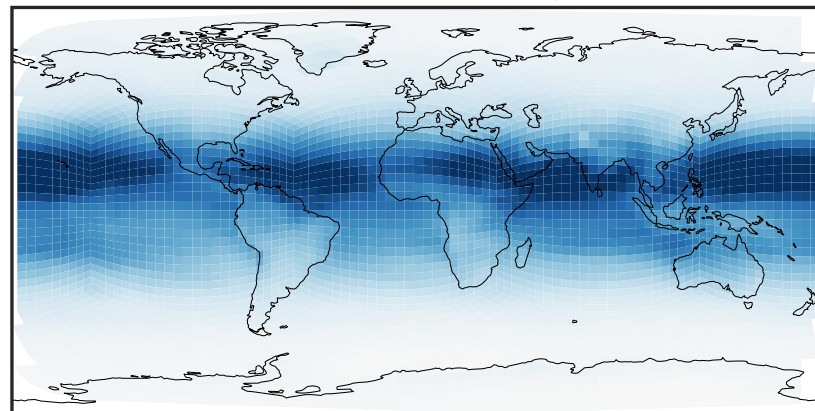
GCHP\_14.2.0 (Dev)  
c24



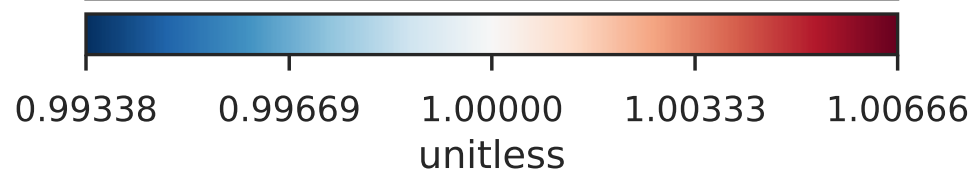
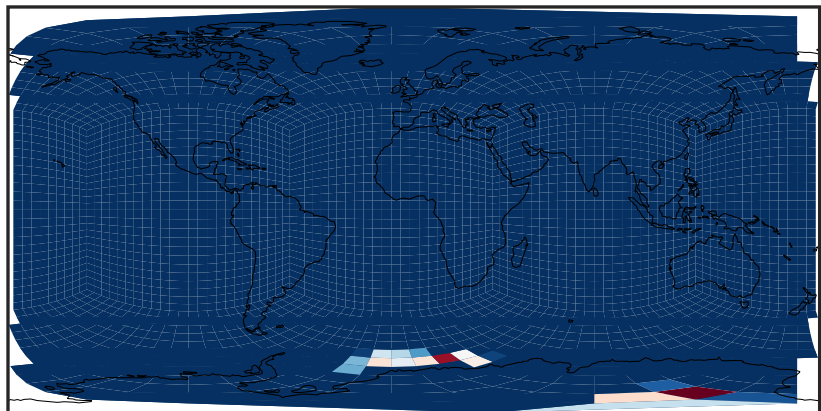
Difference  
Dev - Ref, Dynamic Range



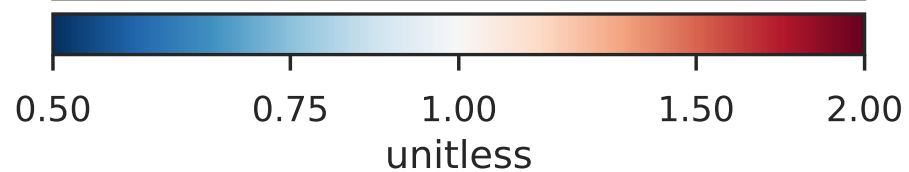
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

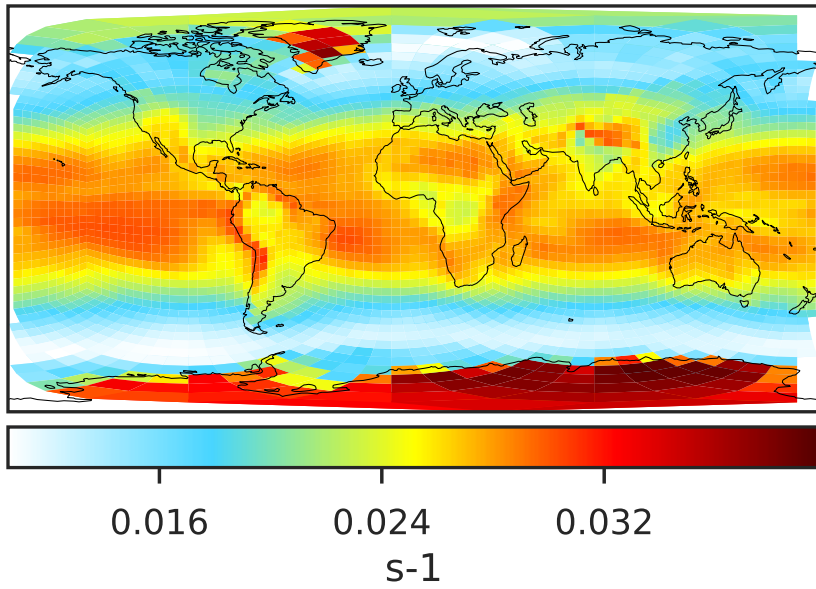


Ratio  
Dev/Ref, Fixed Range

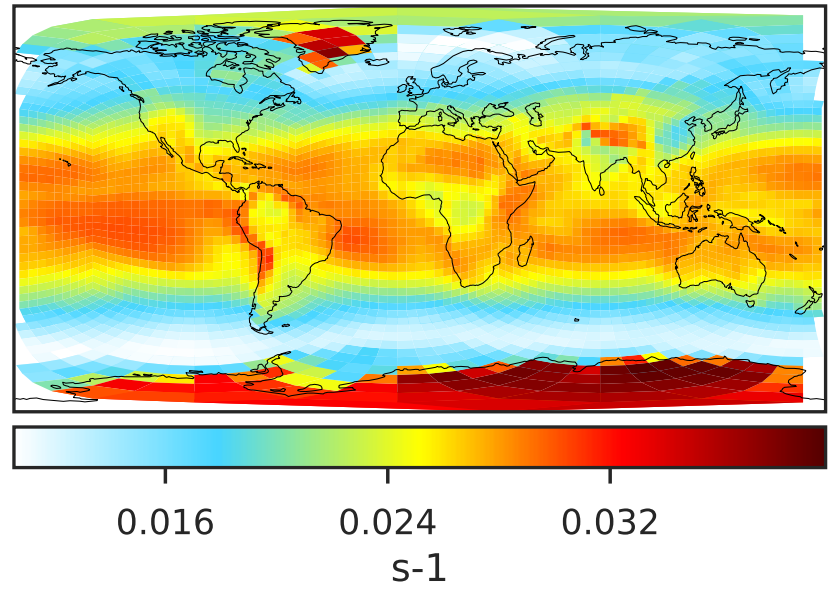


# Jval\_OCIO (AnnualMean)

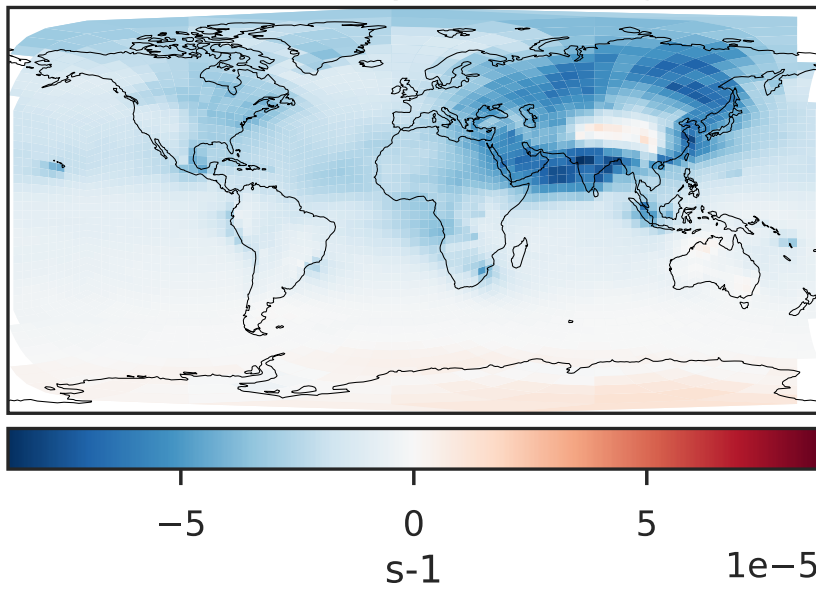
GCHP\_14.0.0 (Ref)  
c24



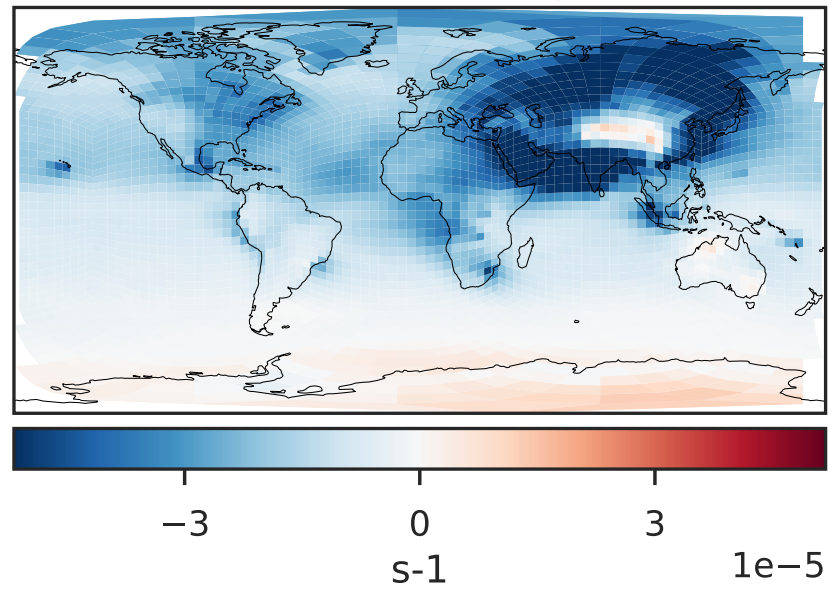
GCHP\_14.2.0 (Dev)  
c24



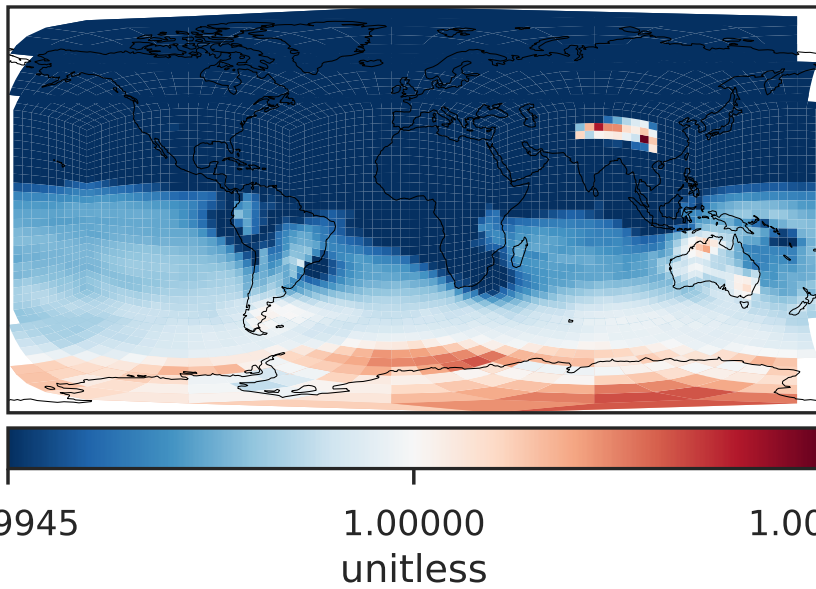
Difference  
Dev - Ref, Dynamic Range



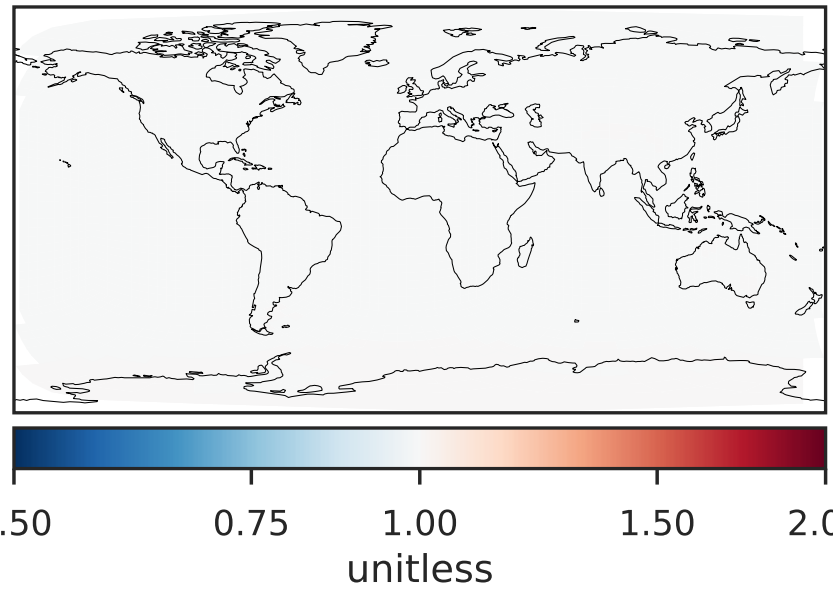
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



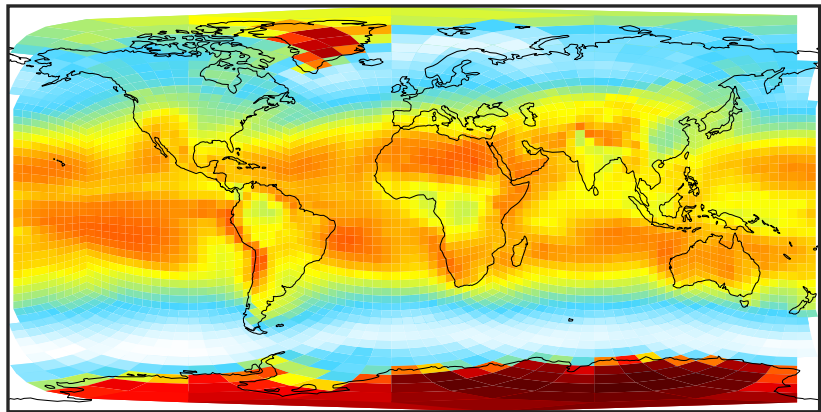
Ratio  
Dev/Ref, Fixed Range





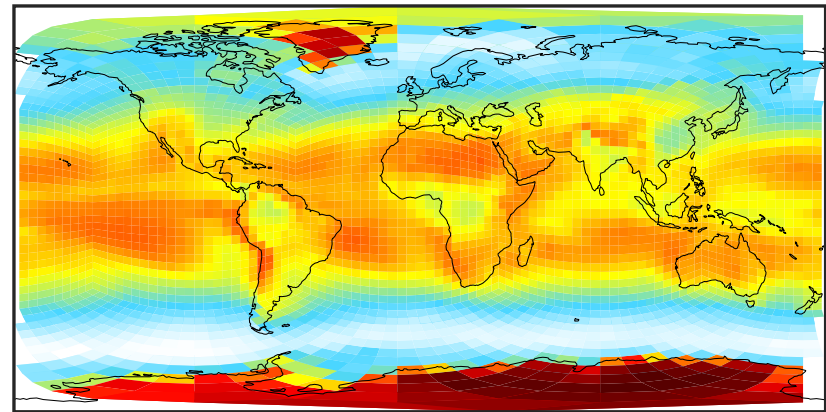
# Jval\_OIO (AnnualMean)

GCHP\_14.0.0 (Ref)  
c24



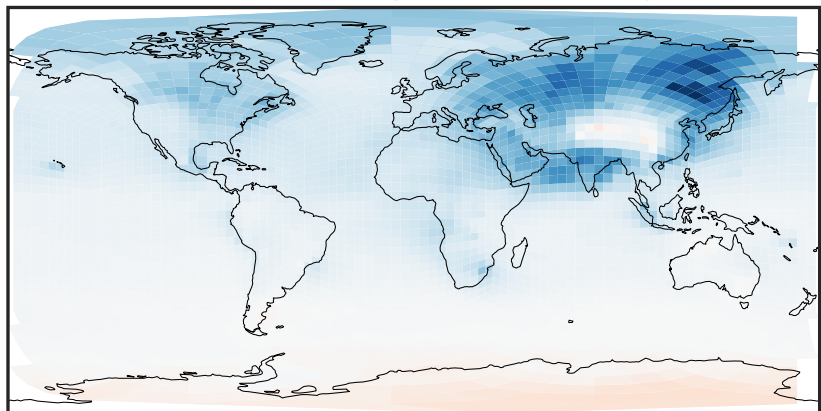
0.050 0.075 0.100 0.125  
s-1

GCHP\_14.2.0 (Dev)  
c24



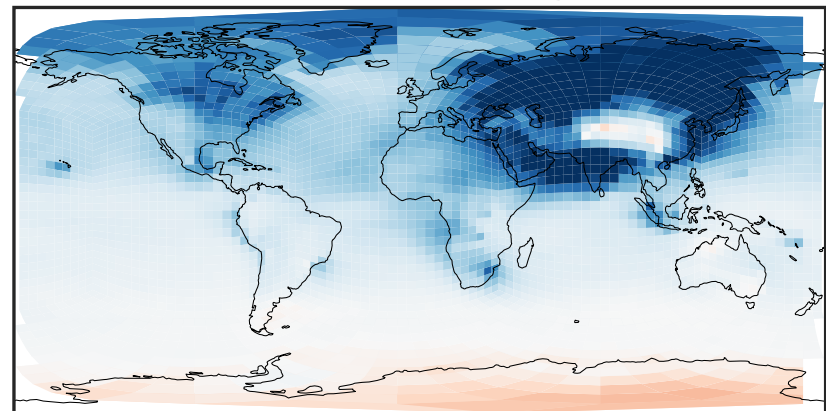
0.050 0.075 0.100 0.125  
s-1

Difference  
Dev - Ref, Dynamic Range



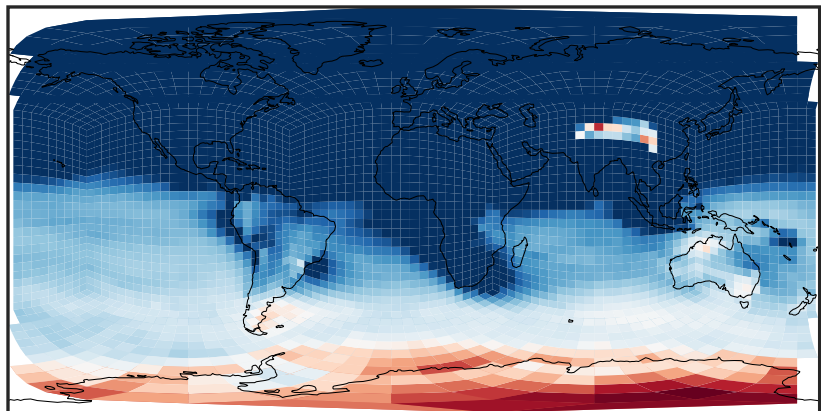
-0.0002 0.0000 0.0002  
s-1

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



-8 0 8  
s-1 1e-5

Ratio  
Dev/Ref, Dynamic Range



0.9996139 1.000000 1.0003862  
unitless

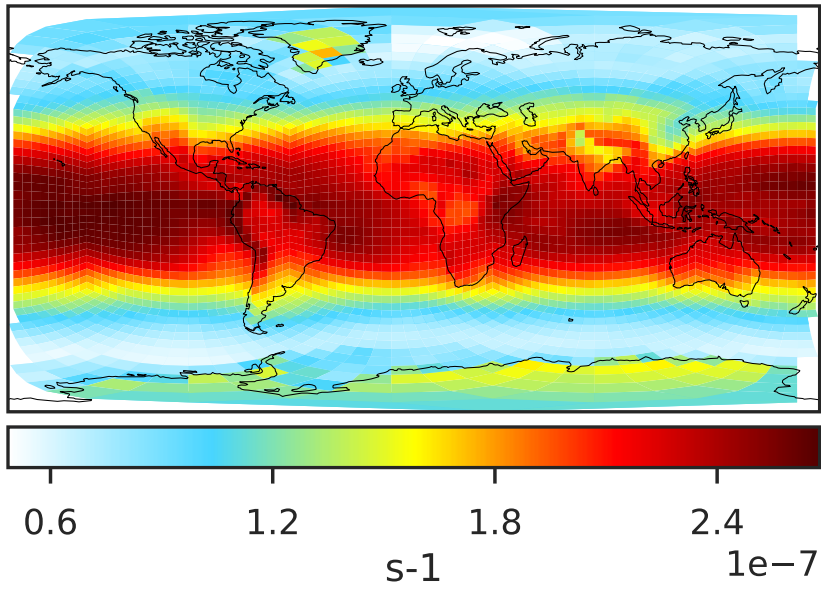
Ratio  
Dev/Ref, Fixed Range



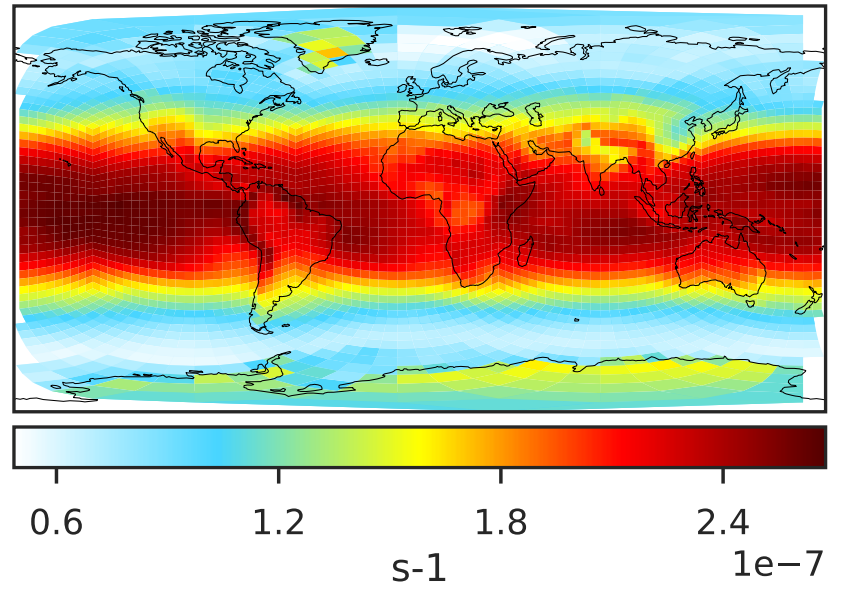
0.50 0.75 1.00 1.50 2.00  
unitless

# Jval\_PAN (AnnualMean)

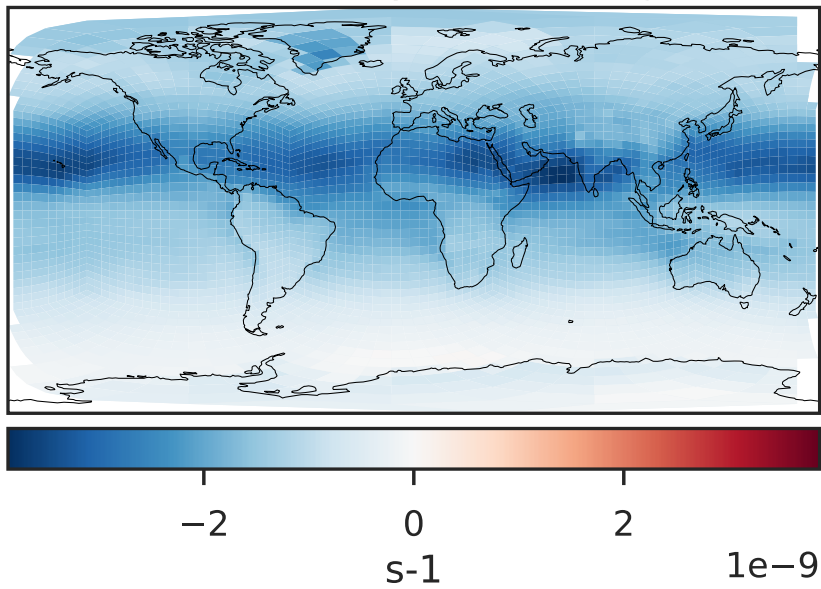
GCHP\_14.0.0 (Ref)  
c24



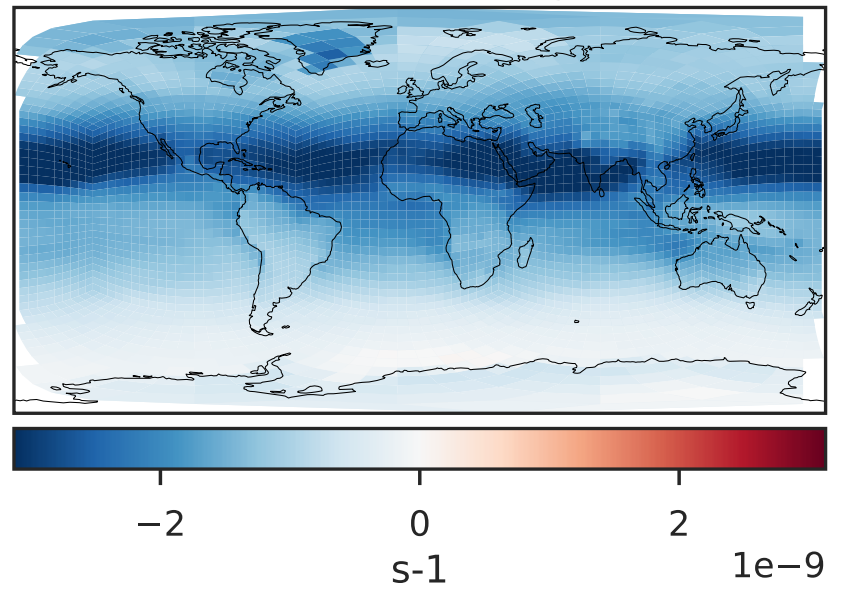
GCHP\_14.2.0 (Dev)  
c24



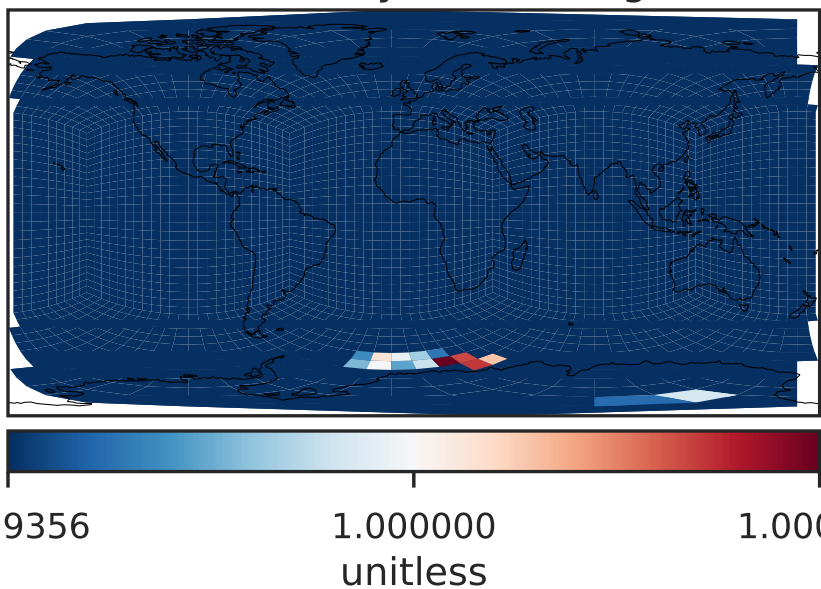
Difference  
Dev - Ref, Dynamic Range



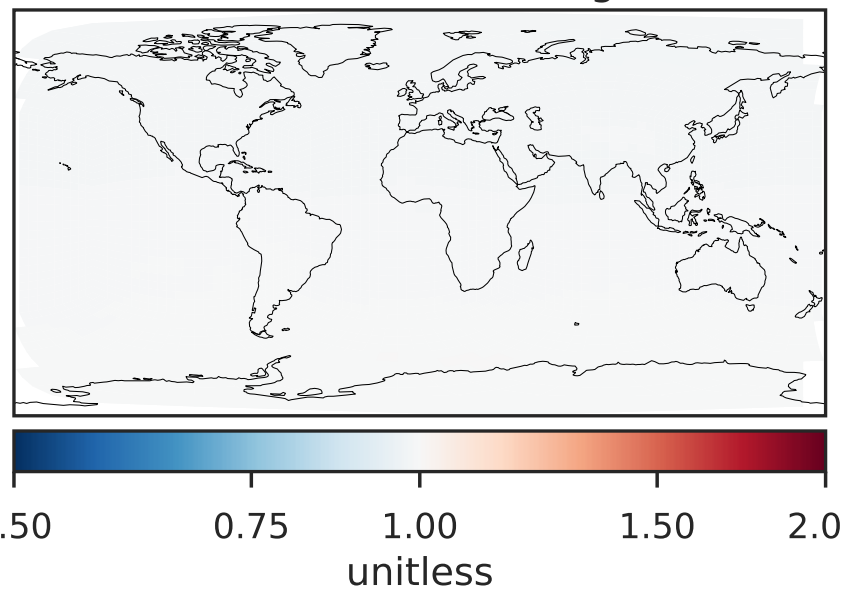
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



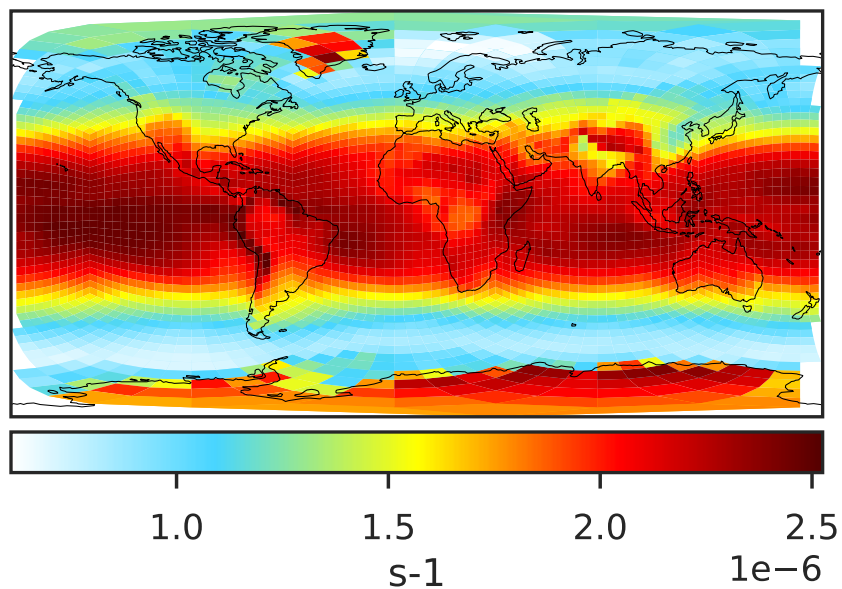
Ratio  
Dev/Ref, Fixed Range



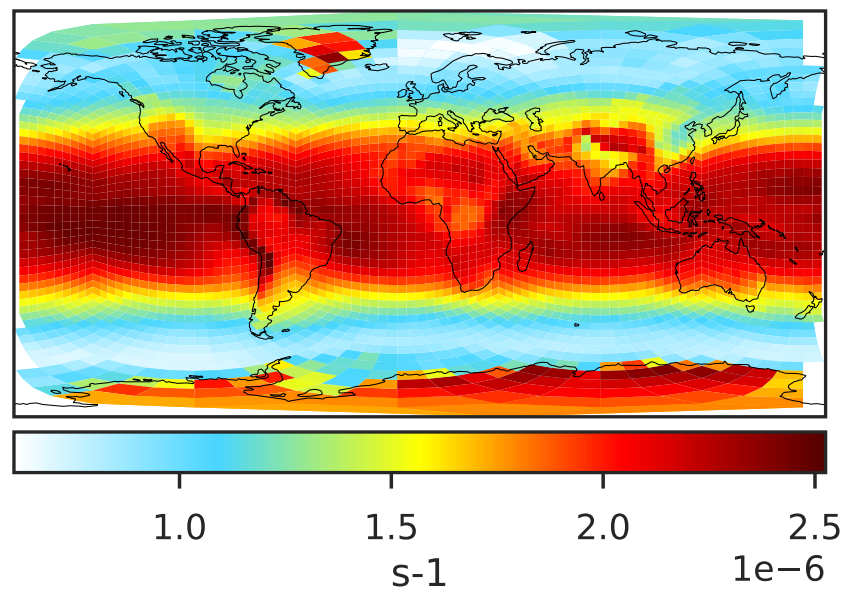


# Jval\_PIP (AnnualMean)

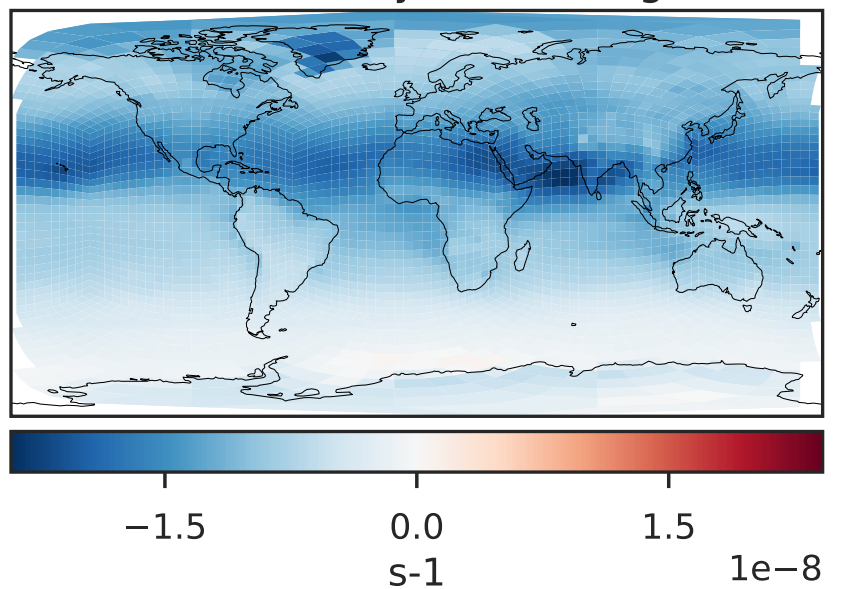
GCHP\_14.0.0 (Ref)  
c24



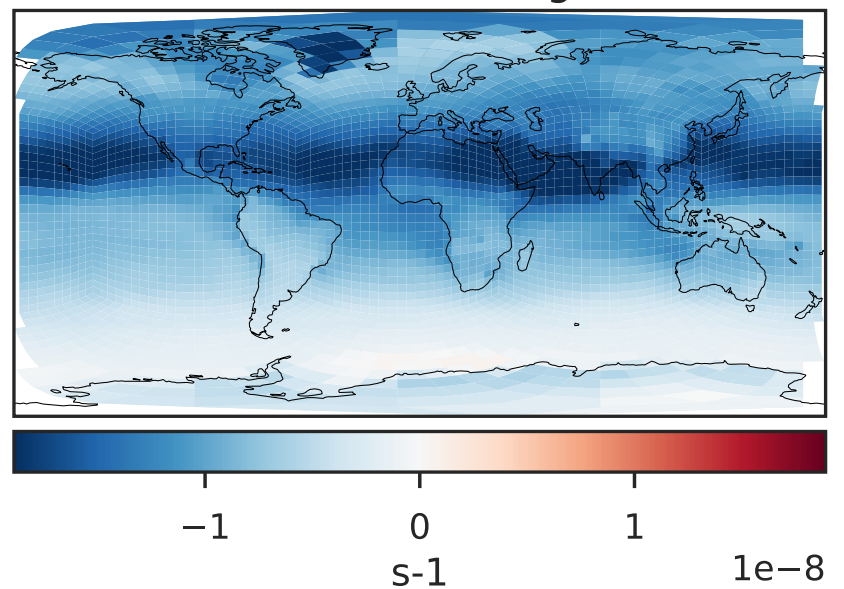
GCHP\_14.2.0 (Dev)  
c24



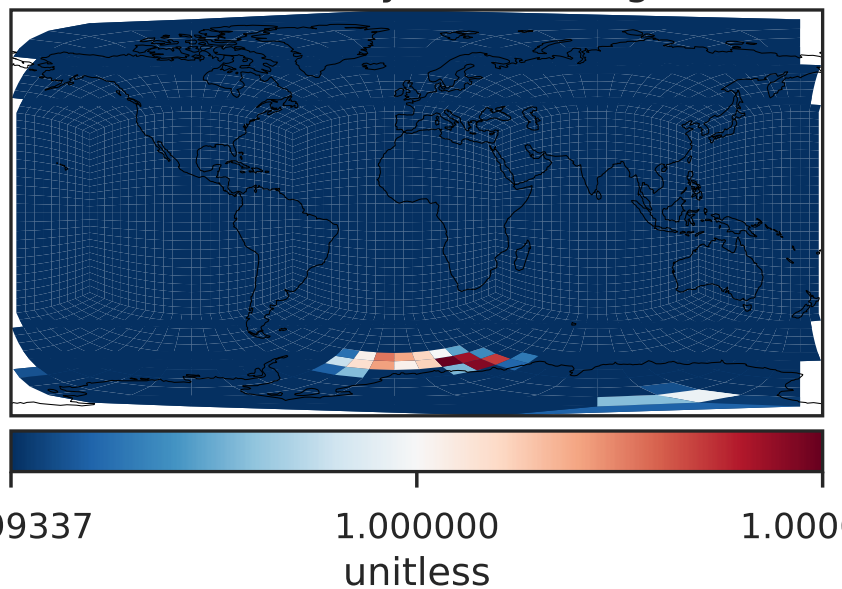
Difference  
Dev - Ref, Dynamic Range



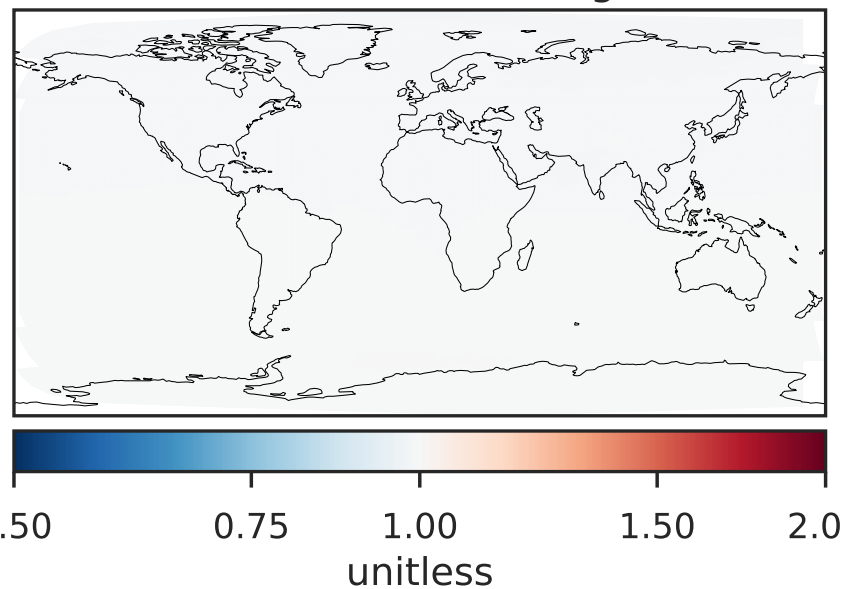
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

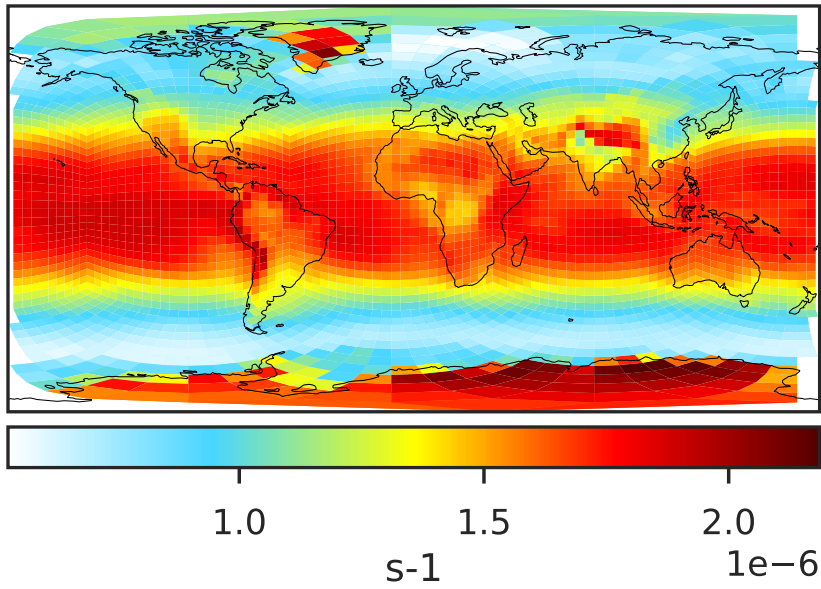


Ratio  
Dev/Ref, Fixed Range

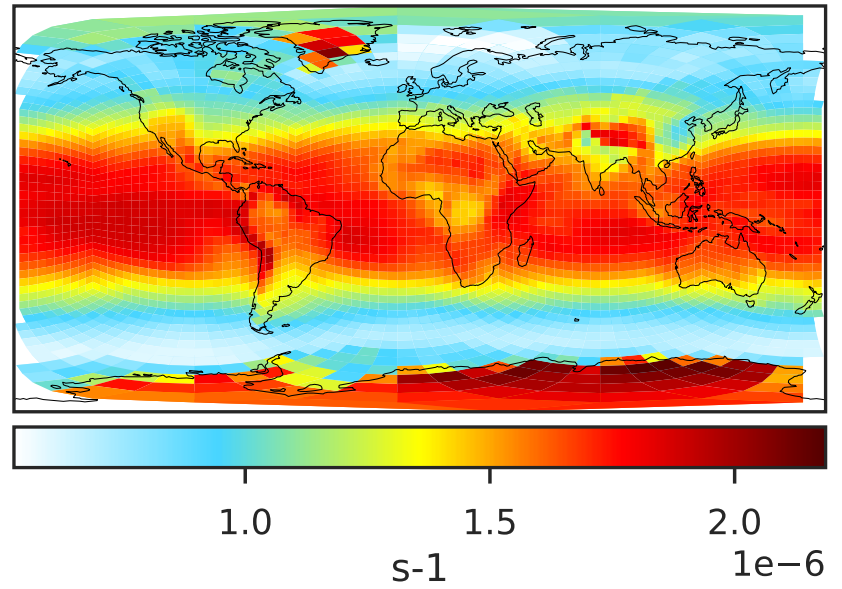


# Jval\_PP (AnnualMean)

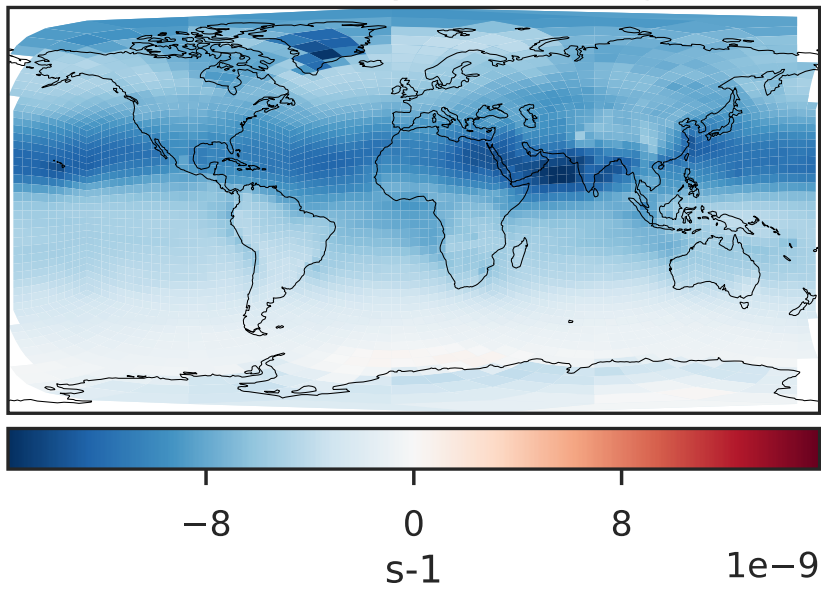
GCHP\_14.0.0 (Ref)  
c24



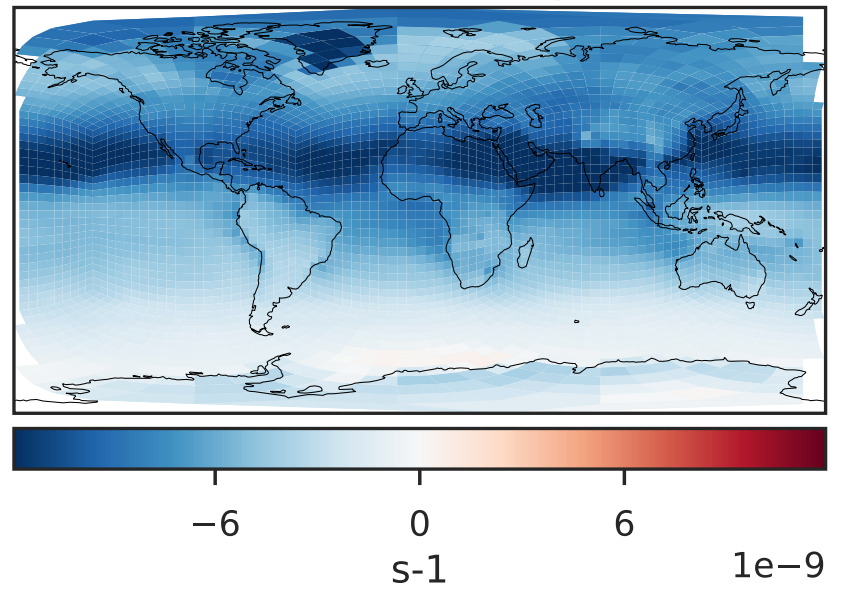
GCHP\_14.2.0 (Dev)  
c24



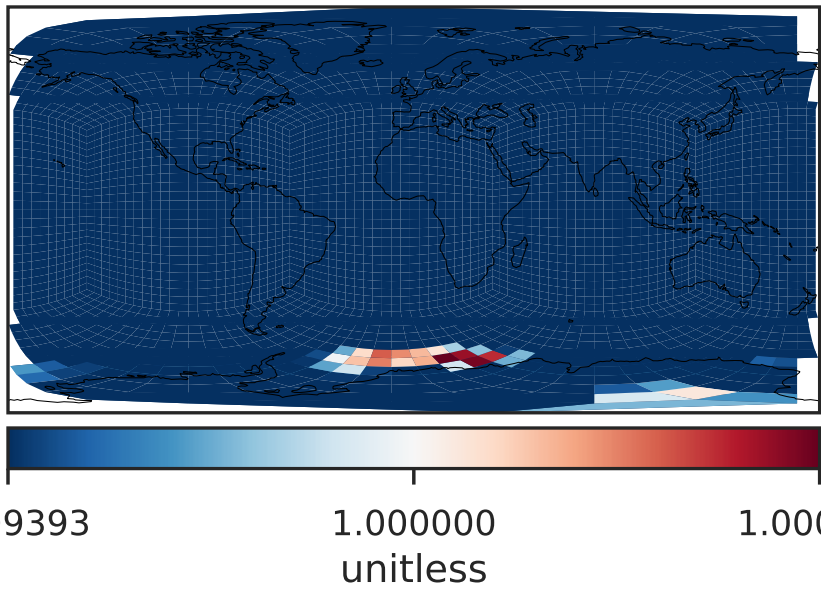
Difference  
Dev - Ref, Dynamic Range



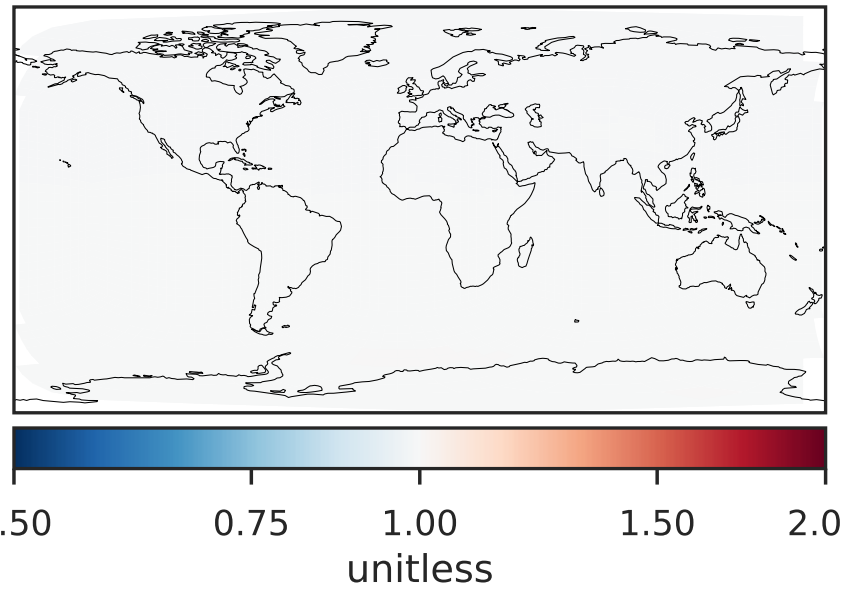
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



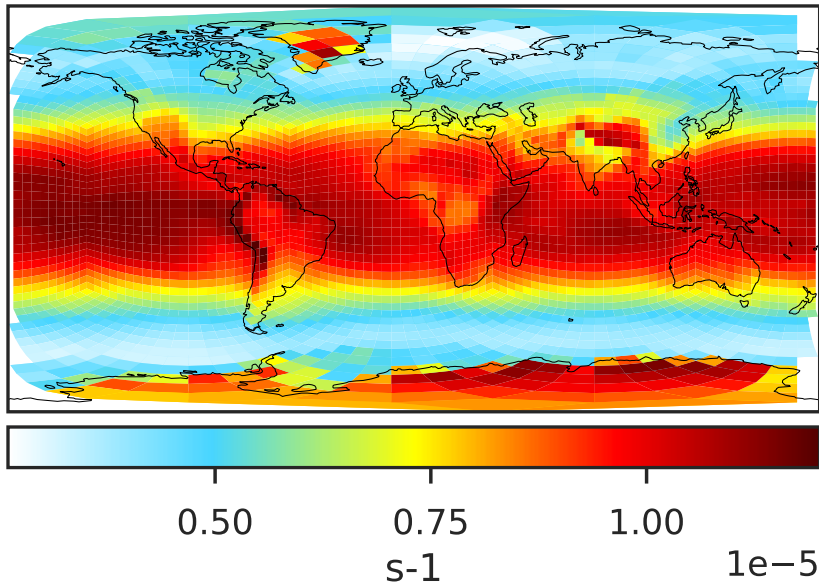
Ratio  
Dev/Ref, Fixed Range



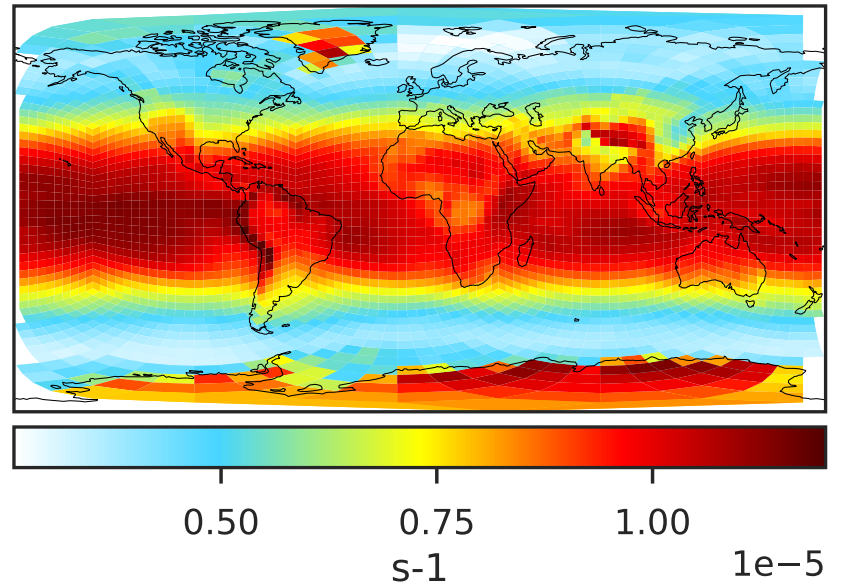


# Jval\_PROPNN (AnnualMean)

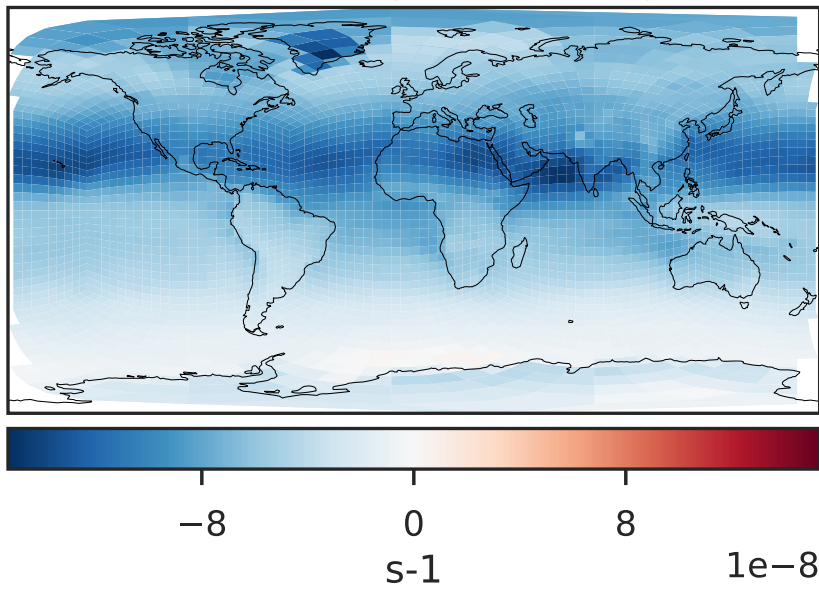
GCHP\_14.0.0 (Ref)  
c24



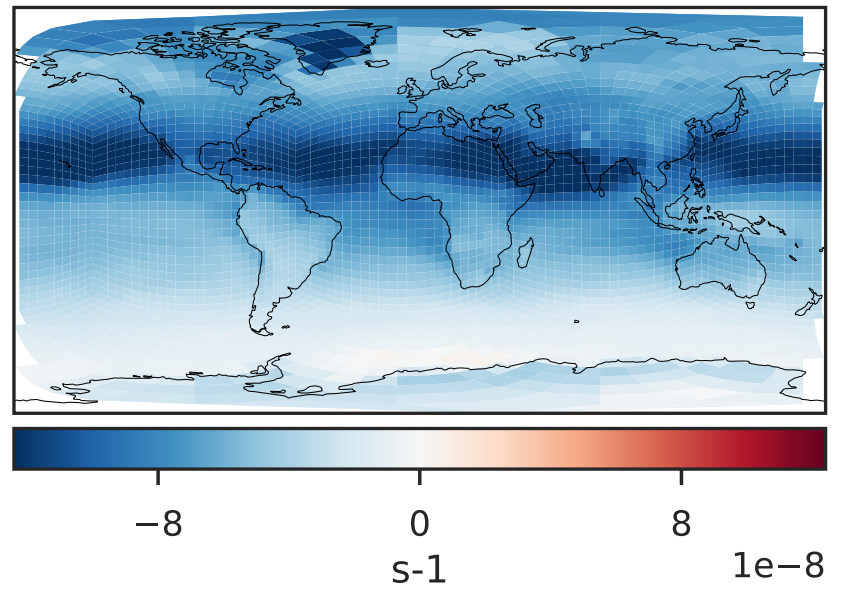
GCHP\_14.2.0 (Dev)  
c24



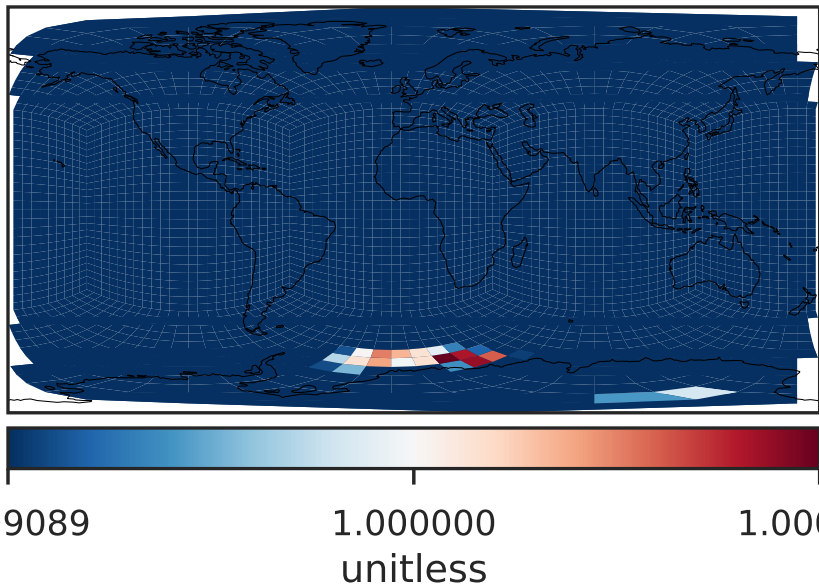
Difference  
Dev - Ref, Dynamic Range



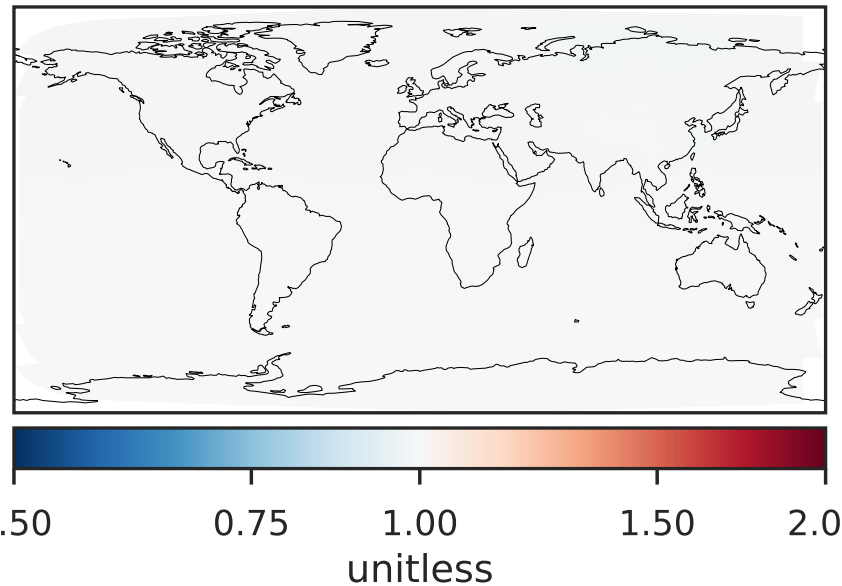
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

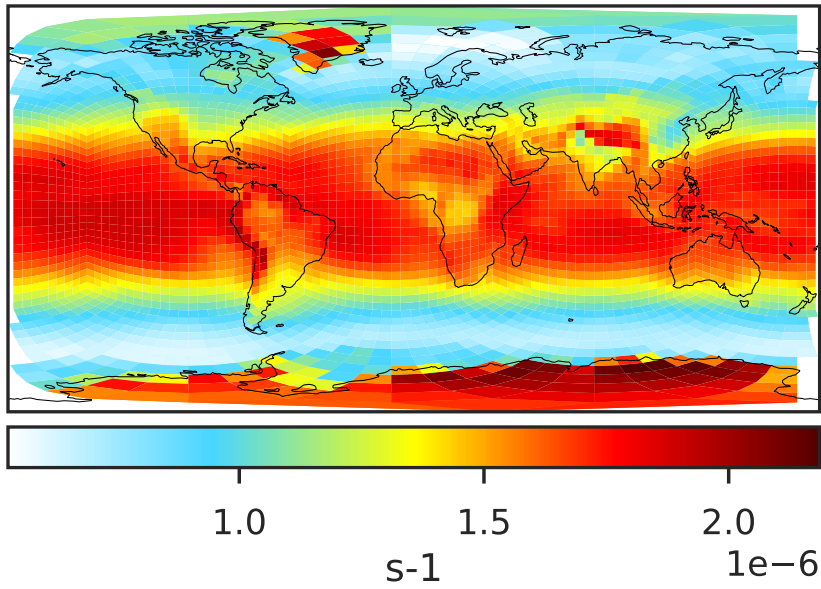


Ratio  
Dev/Ref, Fixed Range

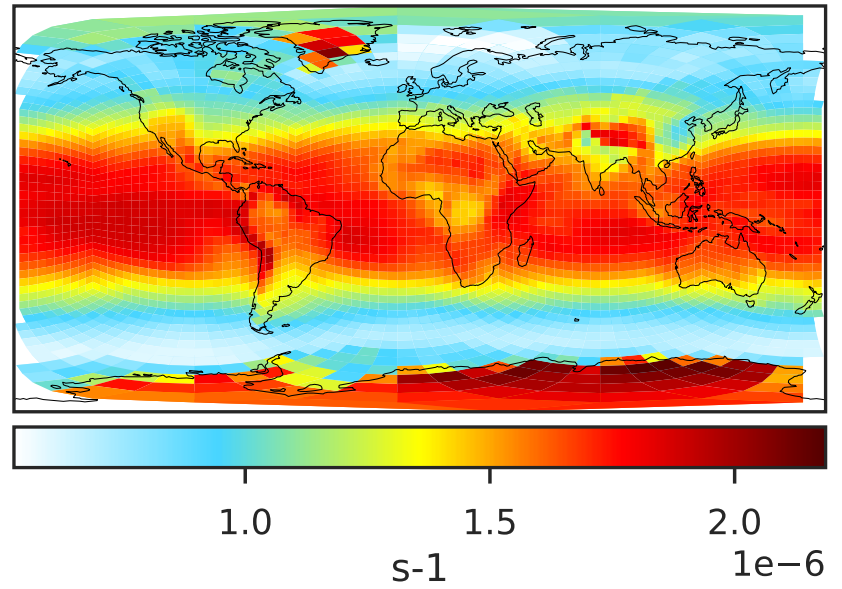


# Jval\_PRPN (AnnualMean)

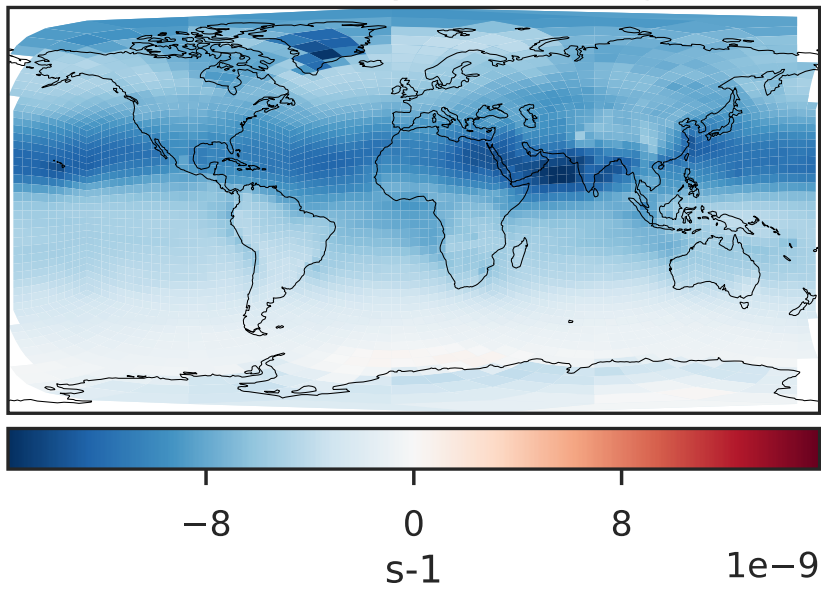
GCHP\_14.0.0 (Ref)  
c24



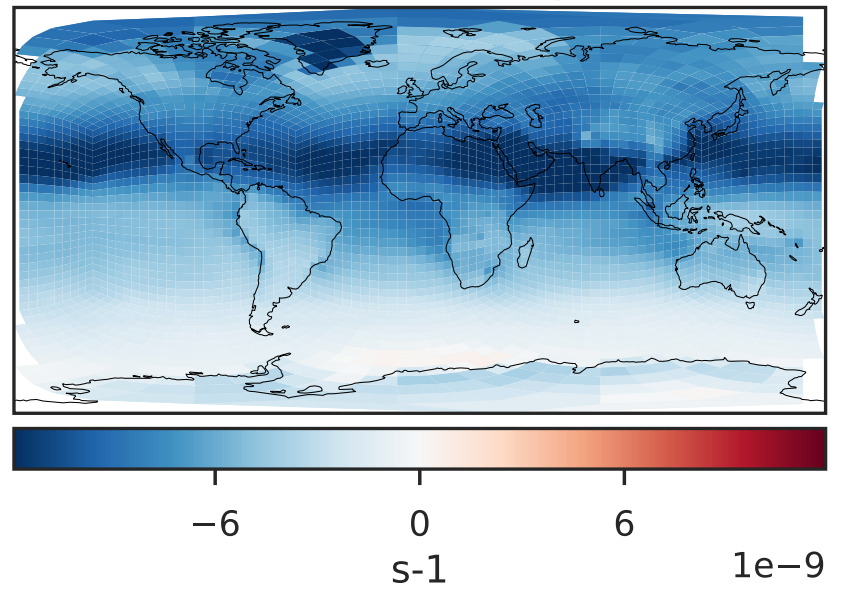
GCHP\_14.2.0 (Dev)  
c24



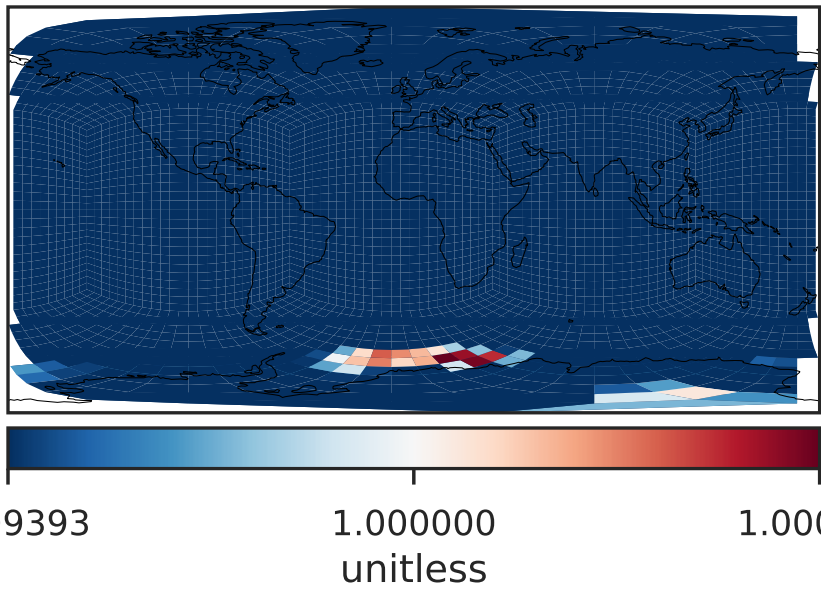
Difference  
Dev - Ref, Dynamic Range



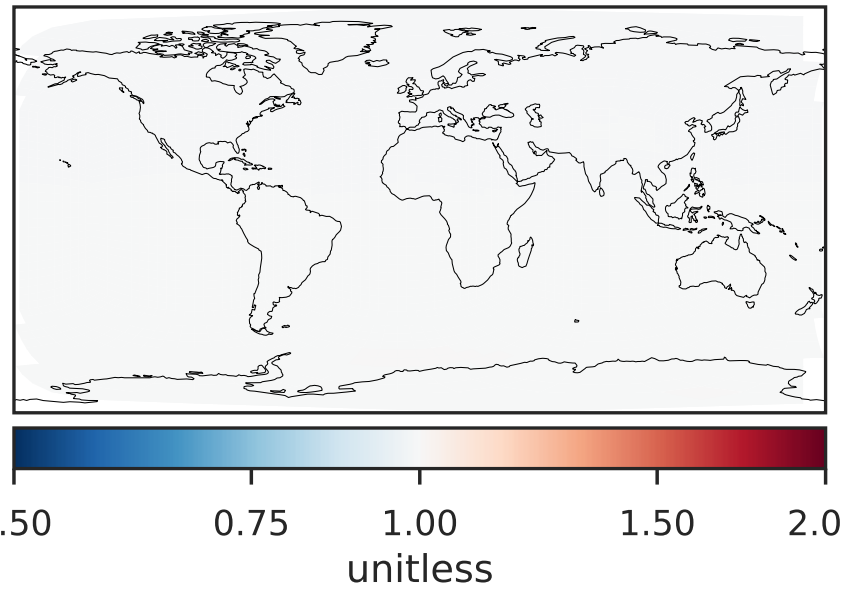
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



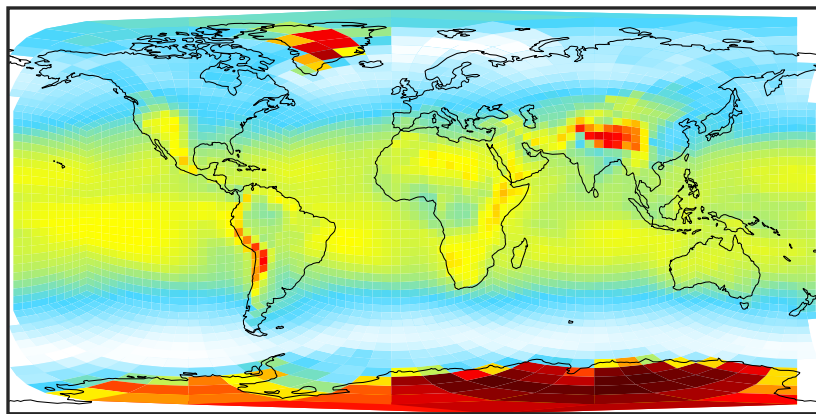
Ratio  
Dev/Ref, Fixed Range





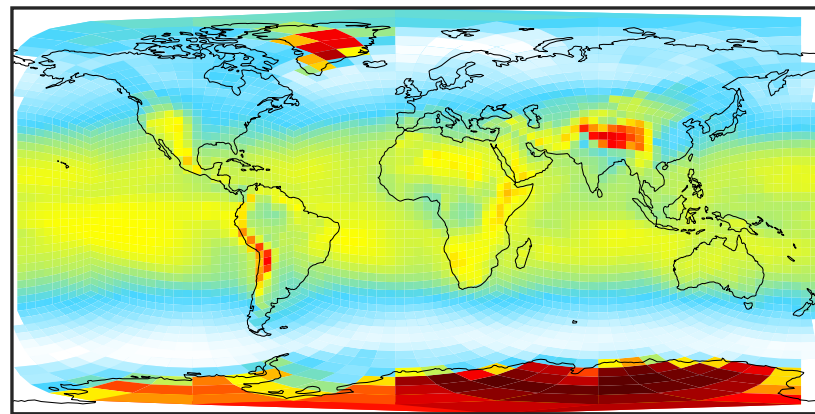
# Jval\_PYAC (AnnualMean)

GCHP\_14.0.0 (Ref)  
c24



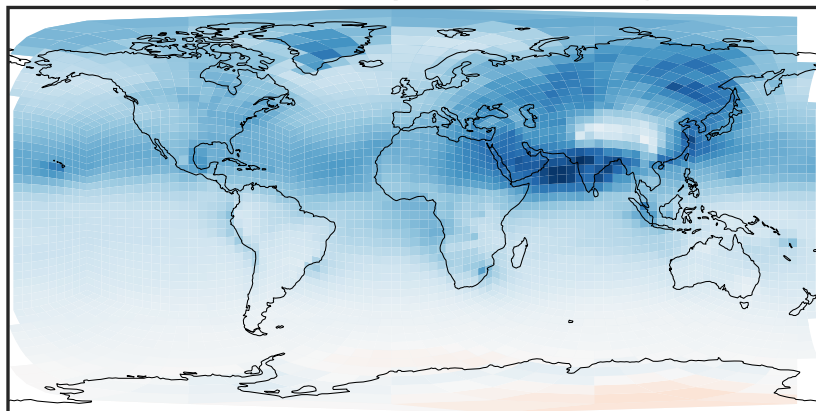
0.000025 0.000050 0.000075 0.000100  
s-1

GCHP\_14.2.0 (Dev)  
c24



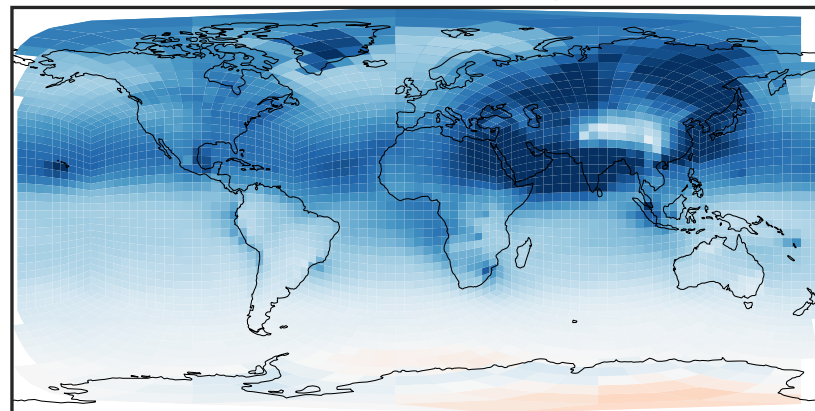
0.000025 0.000050 0.000075 0.000100  
s-1

Difference  
Dev - Ref, Dynamic Range



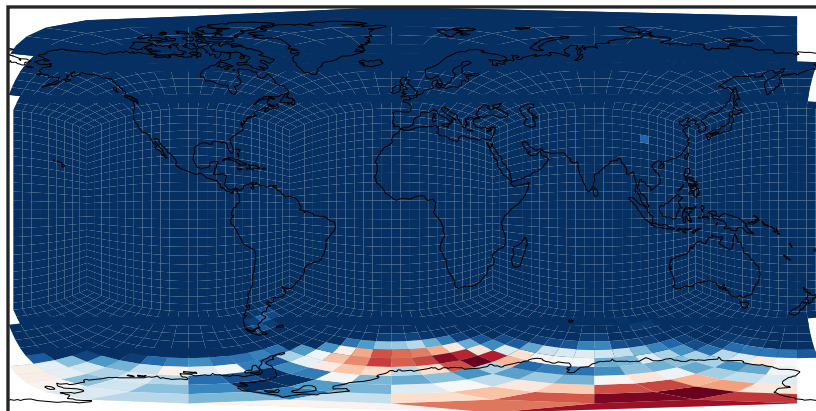
-1.5 0.0 1.5  
s-1 1e-7

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



-1 0 1  
s-1 1e-7

Ratio  
Dev/Ref, Dynamic Range



0.9996468 1.000000 1.0003533  
unitless

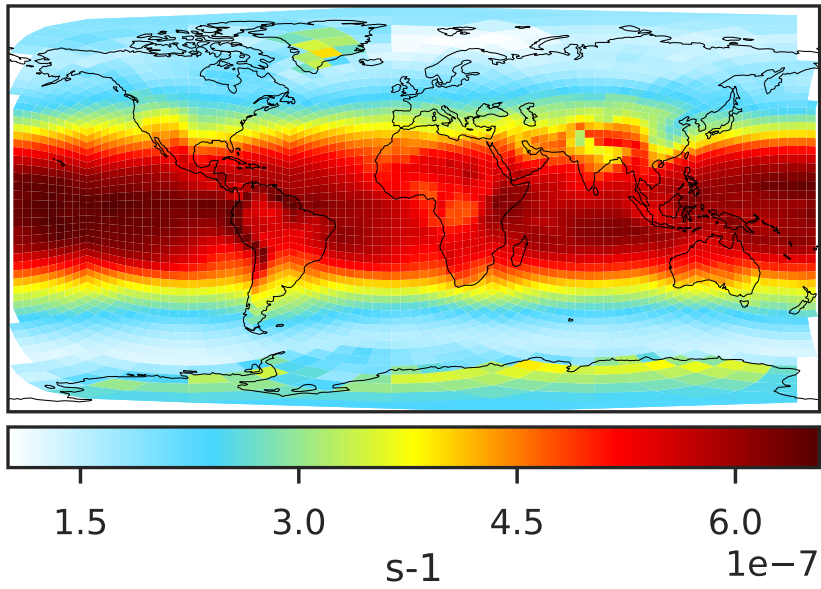
Ratio  
Dev/Ref, Fixed Range



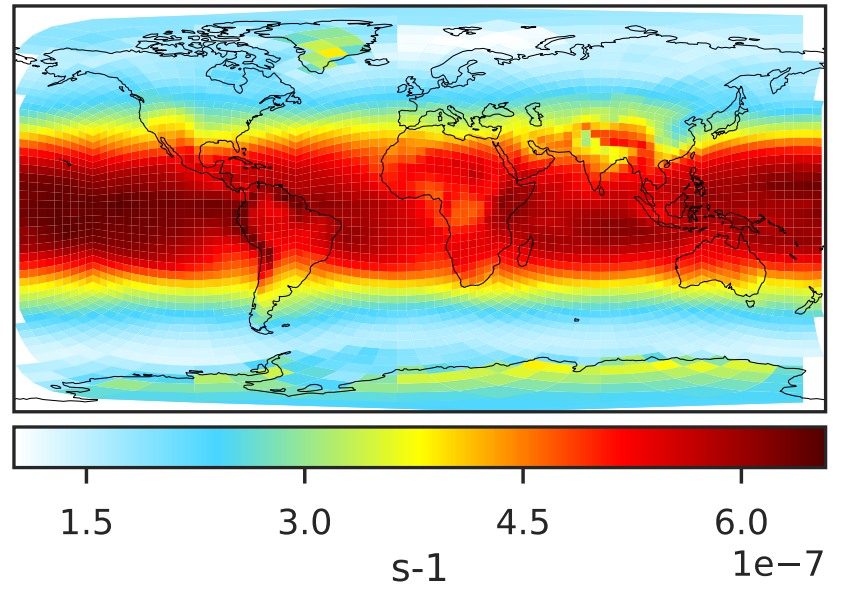
0.50 0.75 1.00 1.50 2.00  
unitless

# Jval\_R4N2 (AnnualMean)

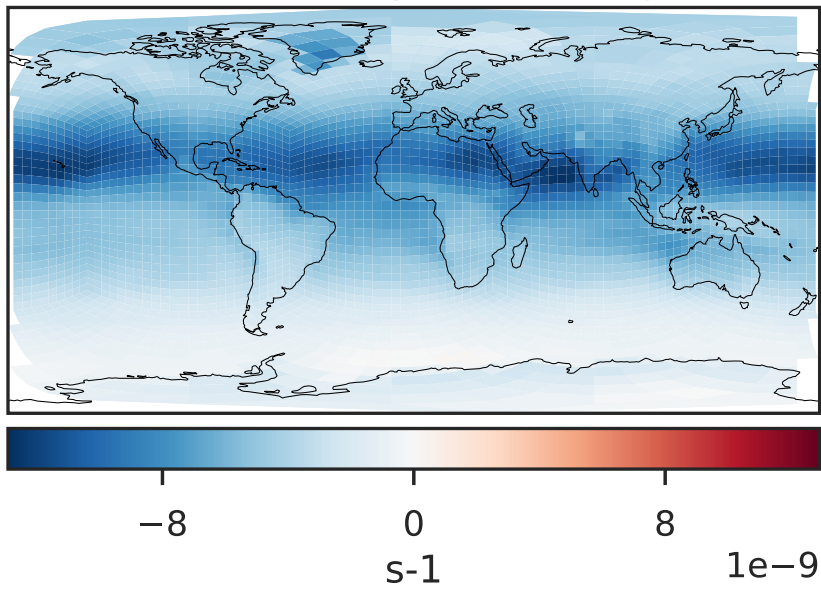
GCHP\_14.0.0 (Ref)  
c24



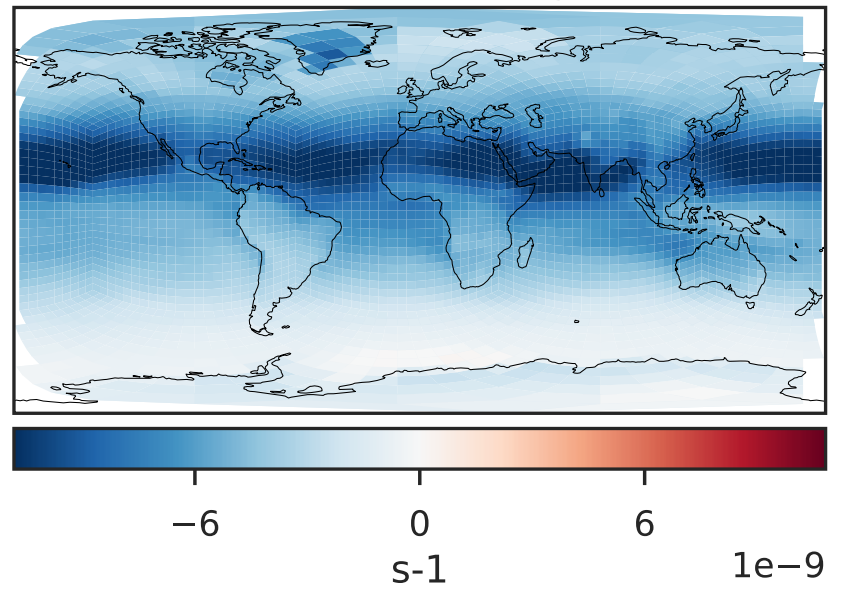
GCHP\_14.2.0 (Dev)  
c24



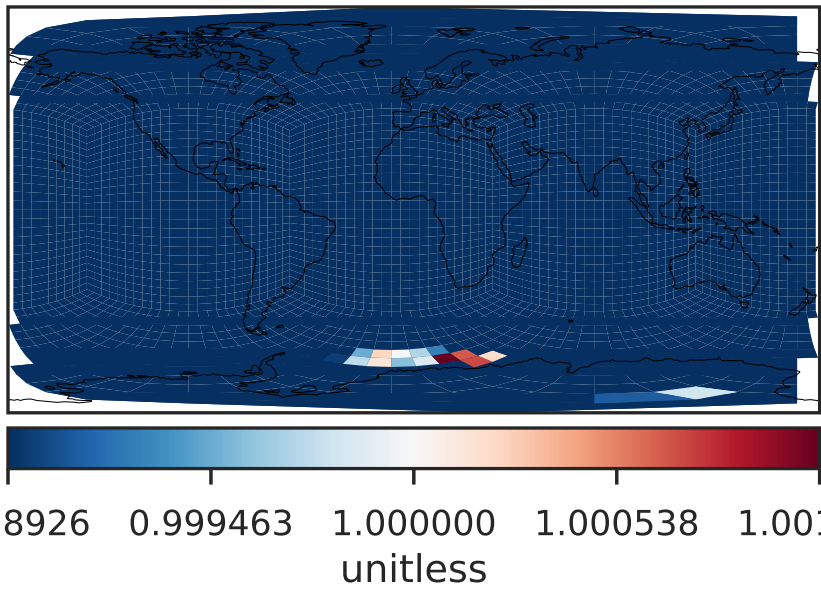
Difference  
Dev - Ref, Dynamic Range



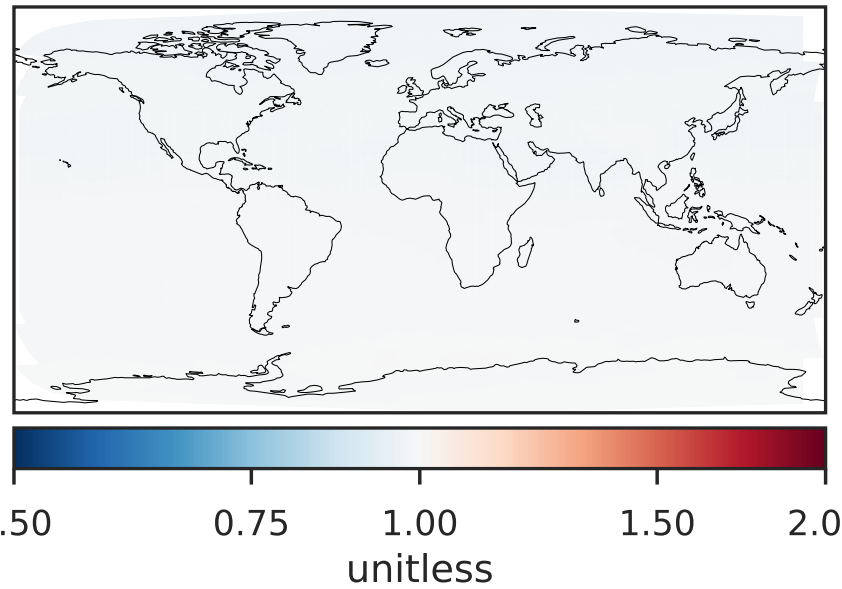
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



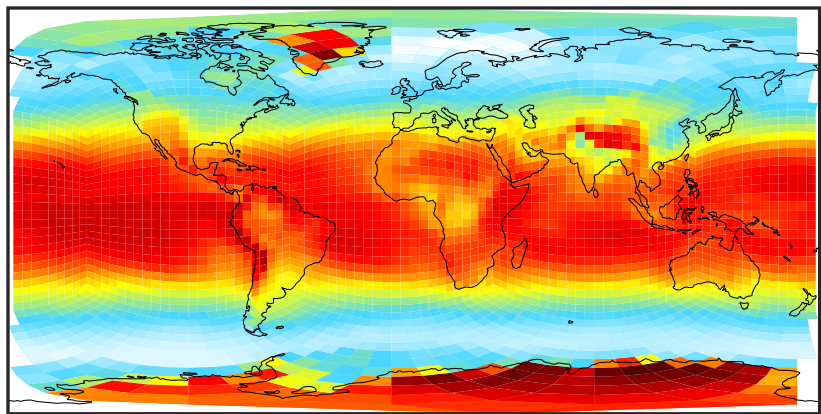
Ratio  
Dev/Ref, Fixed Range





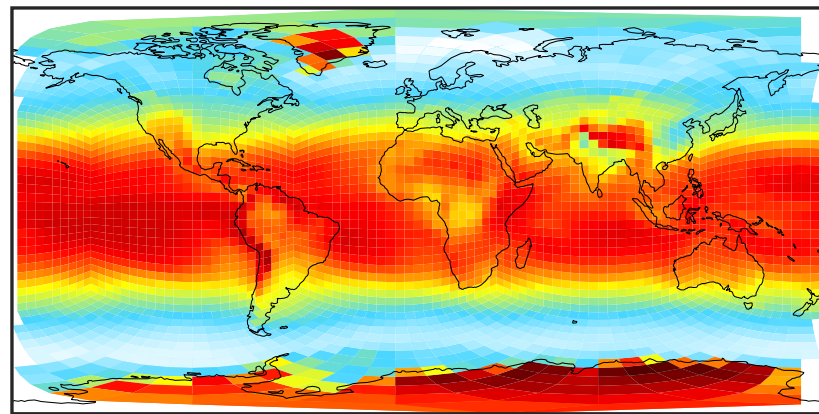
# Jval\_R4P (AnnualMean)

GCHP\_14.0.0 (Ref)  
c24



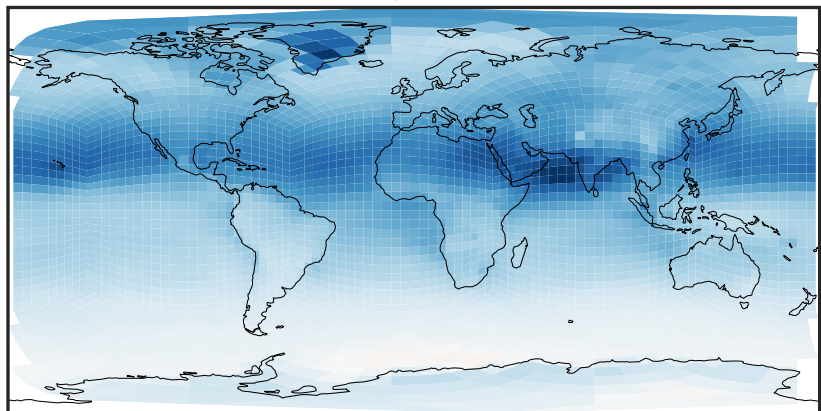
1.0 1.5 2.0  
s-1 1e-6

GCHP\_14.2.0 (Dev)  
c24



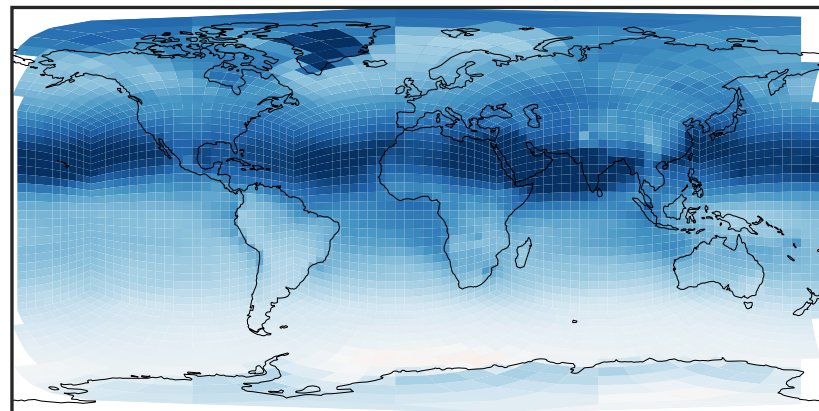
1.0 1.5 2.0  
s-1 1e-6

Difference  
Dev - Ref, Dynamic Range



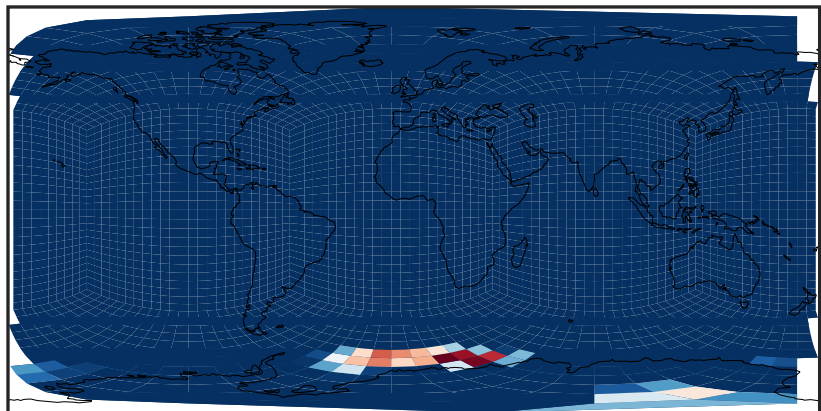
-8 0 8  
s-1 1e-9

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



-6 0 6  
s-1 1e-9

Ratio  
Dev/Ref, Dynamic Range



0.999393 1.000000 1.000607  
unitless

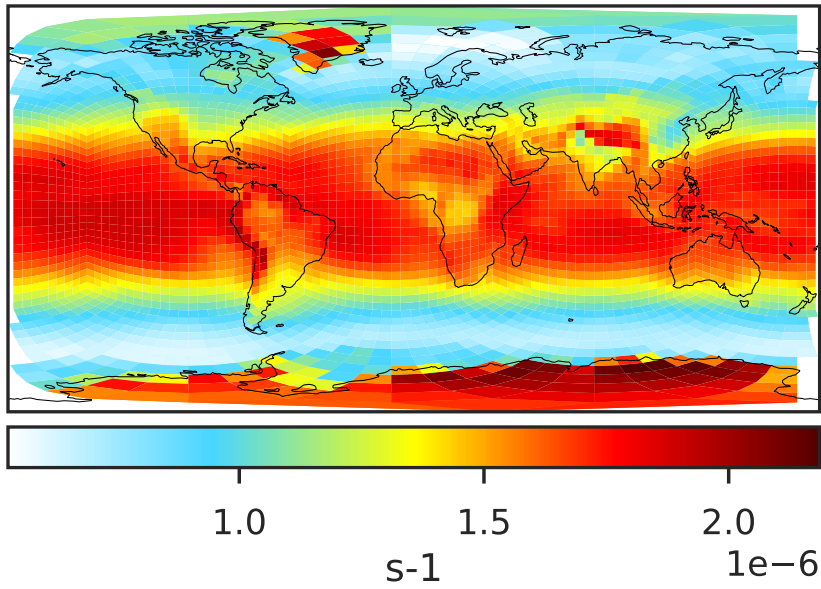
Ratio  
Dev/Ref, Fixed Range



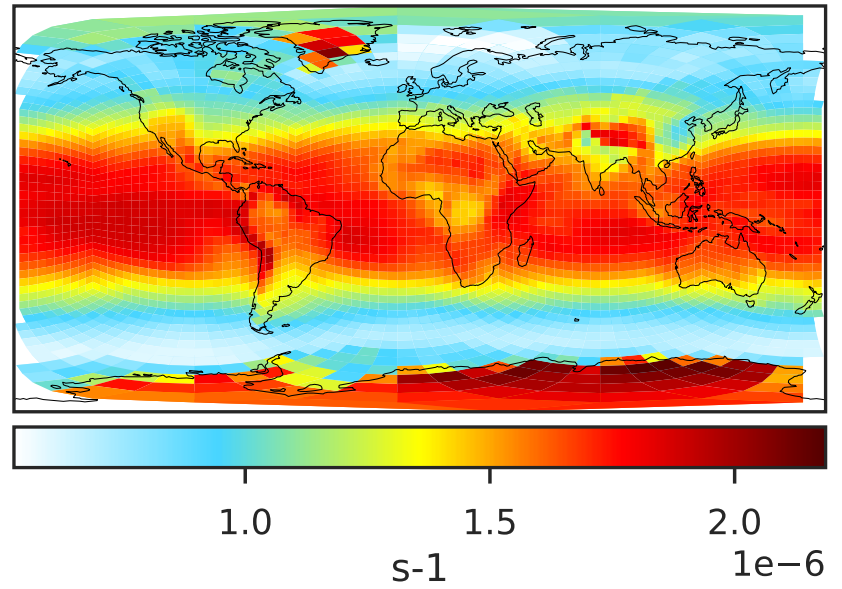
0.50 0.75 1.00 1.50 2.00  
unitless

# Jval\_RA3P (AnnualMean)

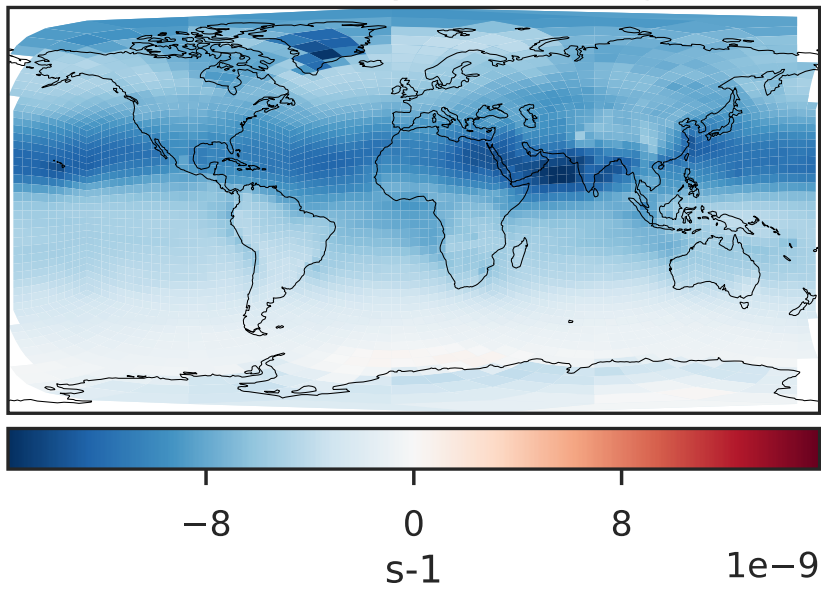
GCHP\_14.0.0 (Ref)  
c24



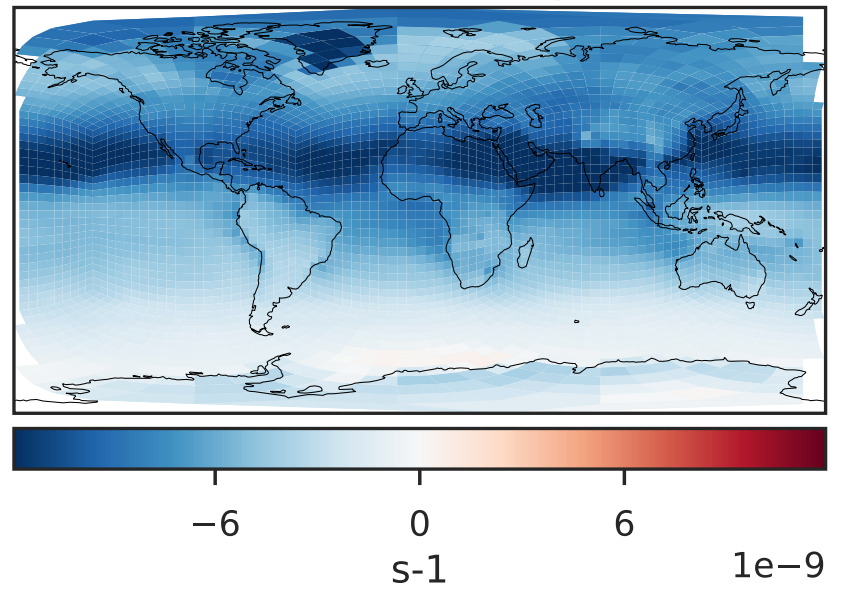
GCHP\_14.2.0 (Dev)  
c24



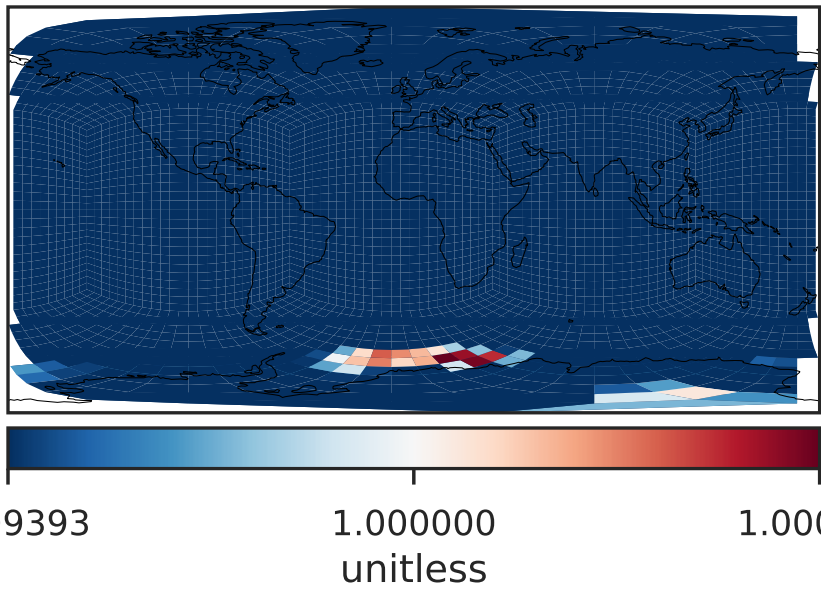
Difference  
Dev - Ref, Dynamic Range



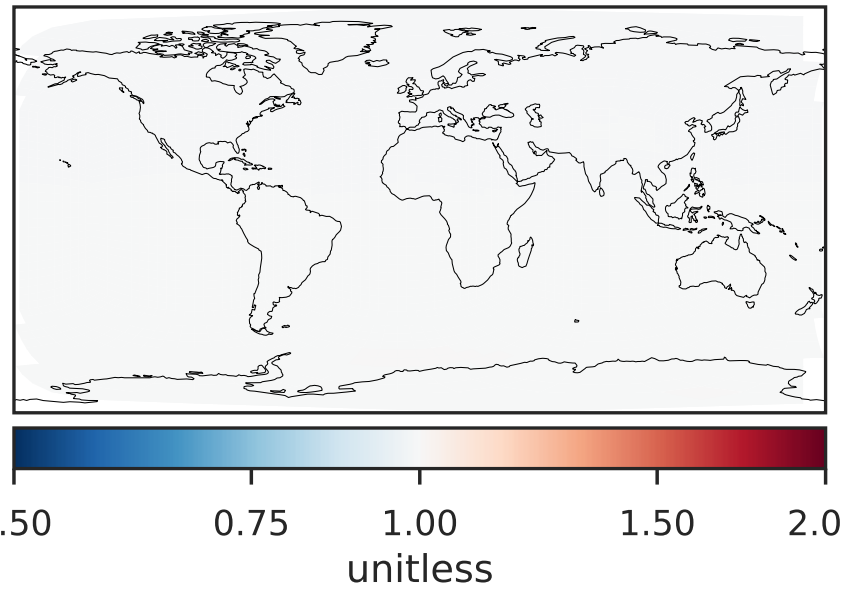
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



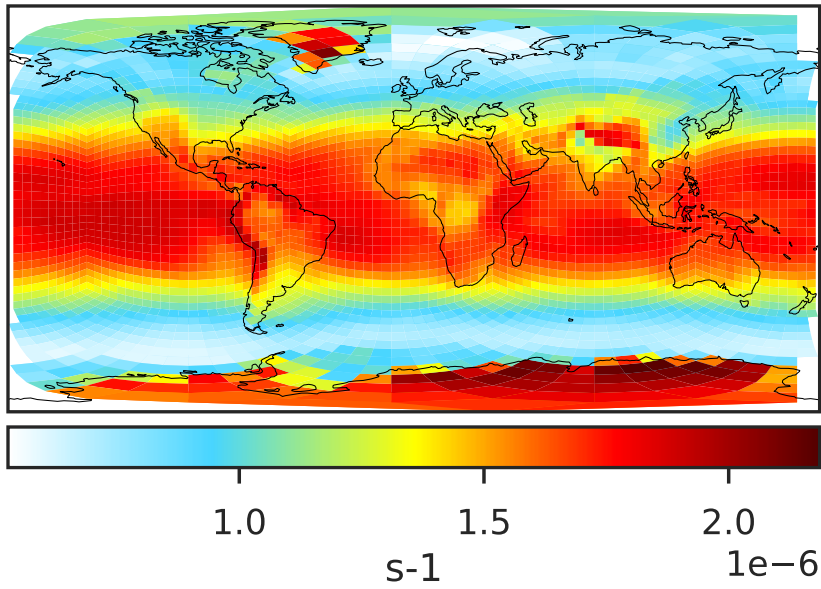
Ratio  
Dev/Ref, Fixed Range



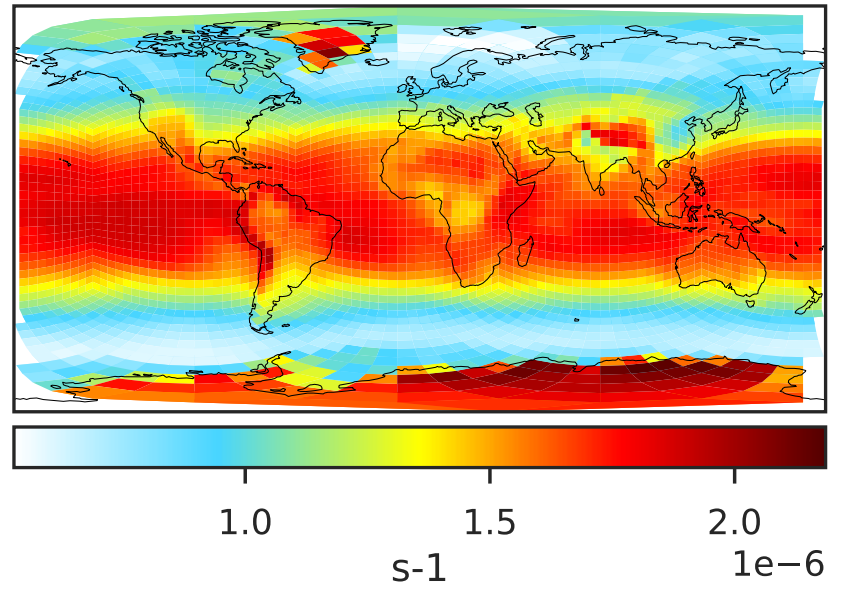


# Jval\_RB3P (AnnualMean)

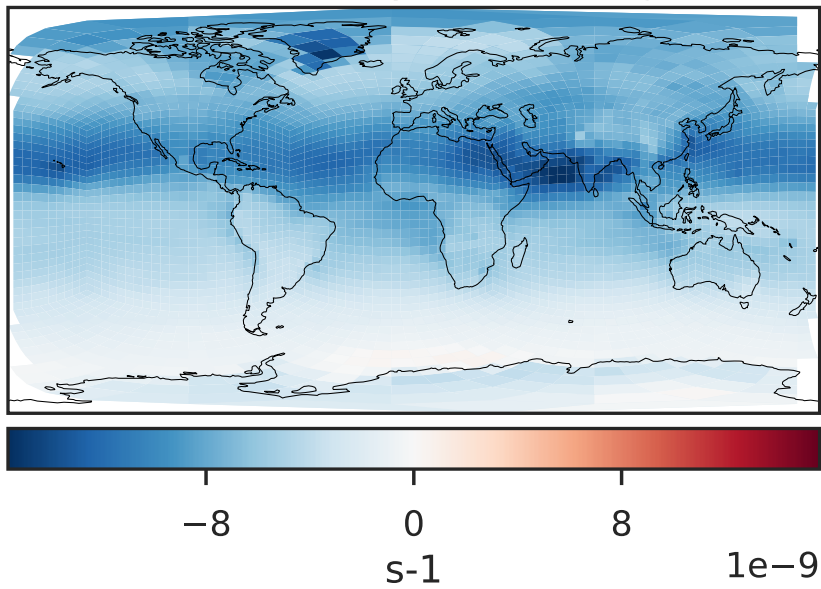
GCHP\_14.0.0 (Ref)  
c24



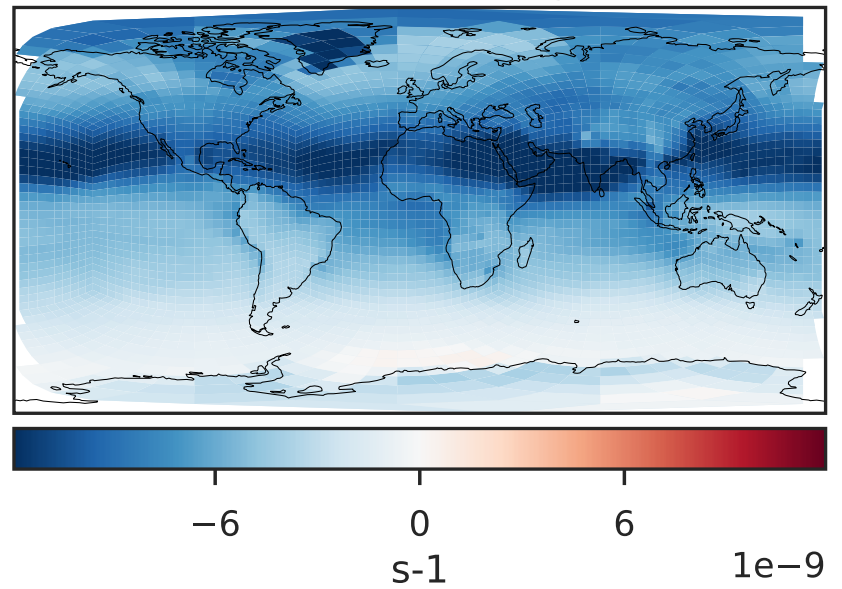
GCHP\_14.2.0 (Dev)  
c24



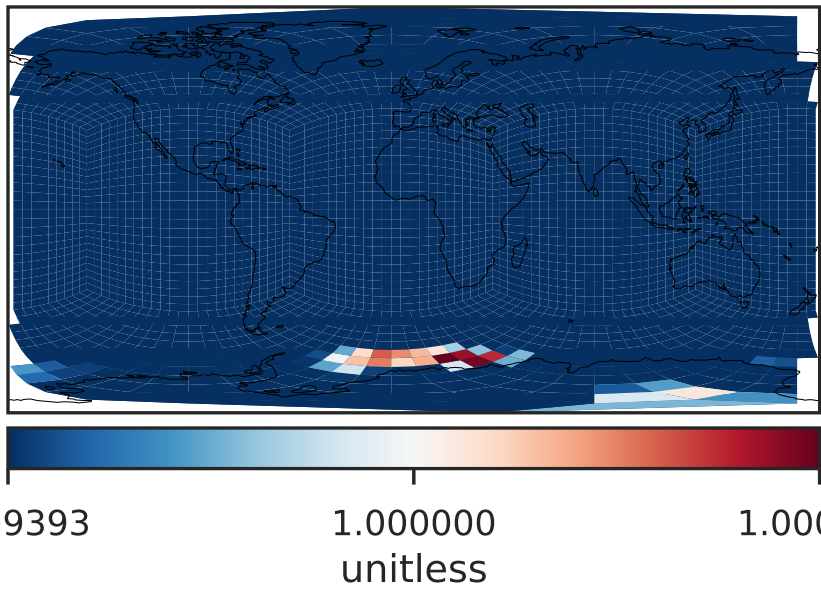
Difference  
Dev - Ref, Dynamic Range



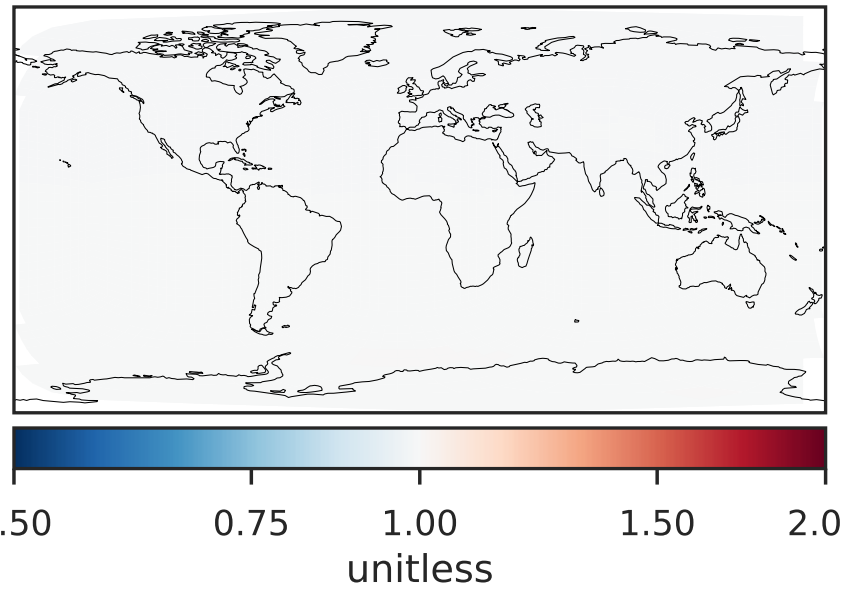
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

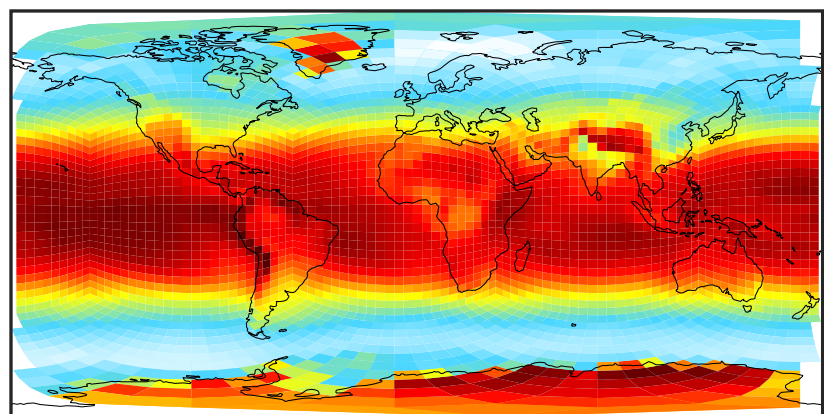


Ratio  
Dev/Ref, Fixed Range



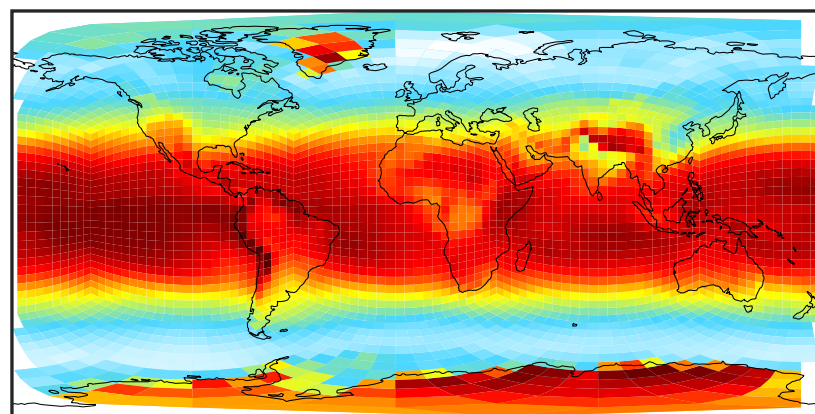
# Jval\_RCHO (AnnualMean)

GCHP\_14.0.0 (Ref)  
c24



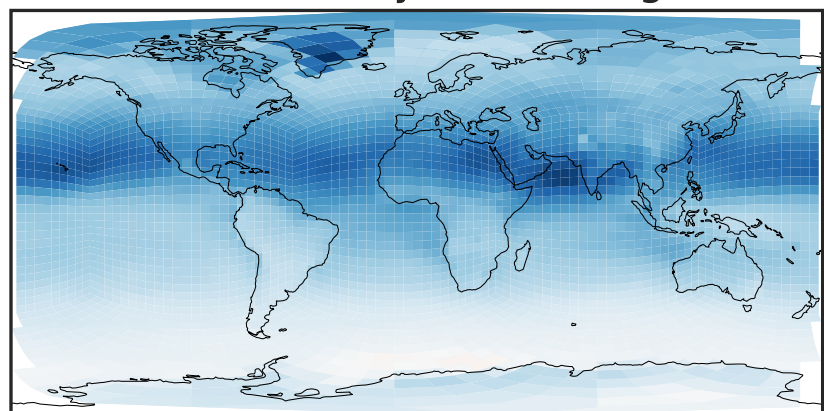
0.4 0.8 1.2 1.6  
s-1  $1e-5$

GCHP\_14.2.0 (Dev)  
c24



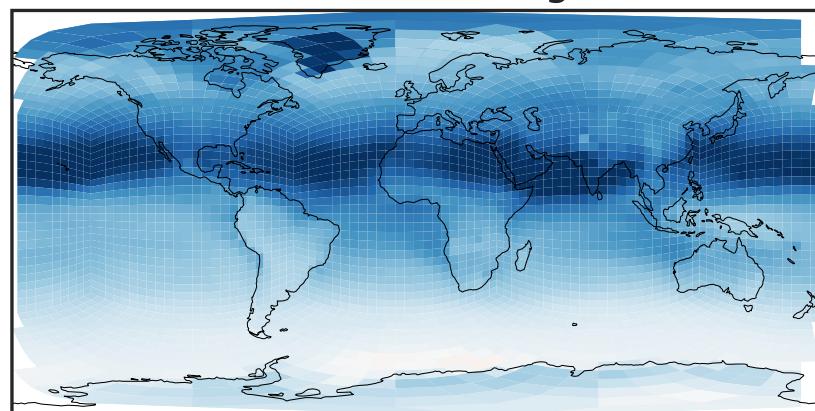
0.4 0.8 1.2 1.6  
s-1  $1e-5$

Difference  
Dev - Ref, Dynamic Range



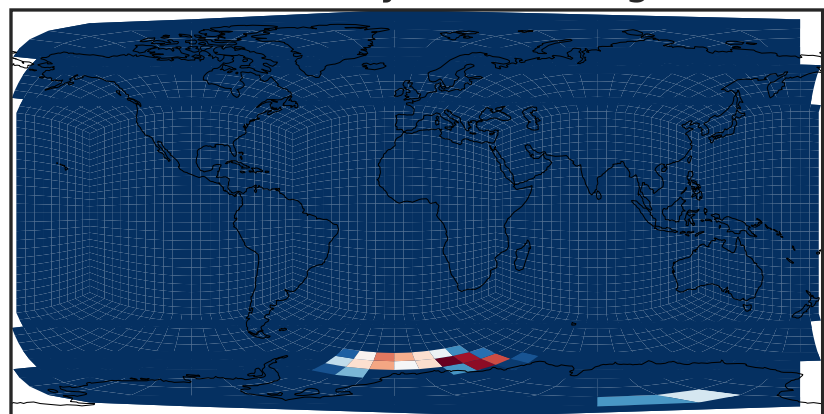
-1 0 1  
s-1  $1e-7$

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



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

Ratio  
Dev/Ref, Dynamic Range



0.999131 1.000000 1.000869  
unitless

Ratio  
Dev/Ref, Fixed Range

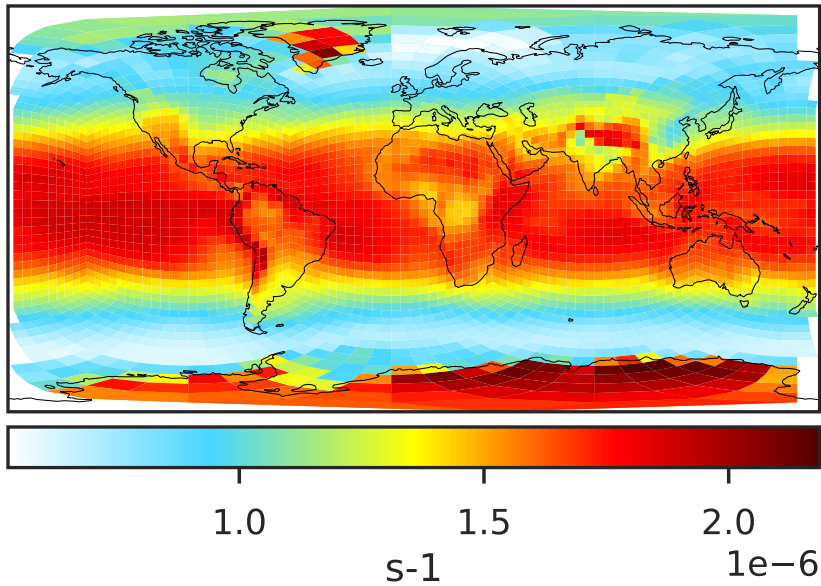


0.50 0.75 1.00 1.50 2.00  
unitless

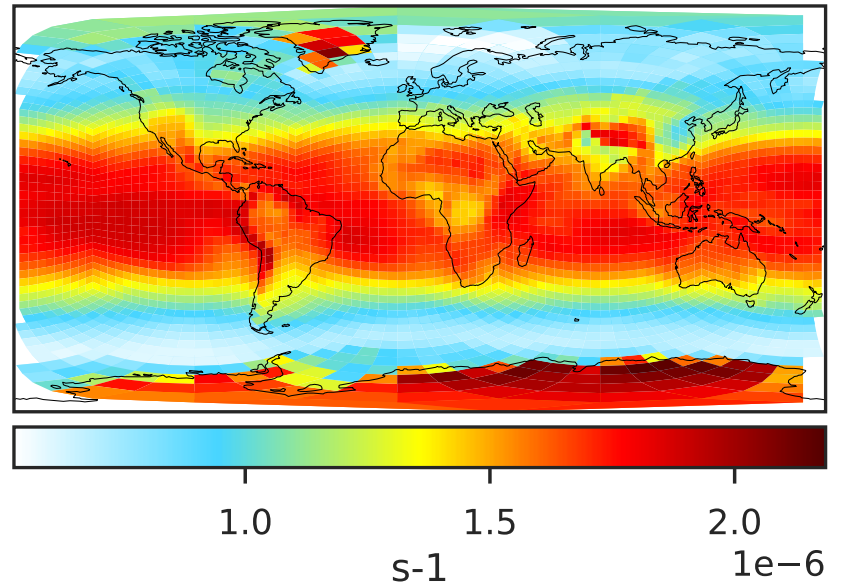


# Jval\_RIPA (AnnualMean)

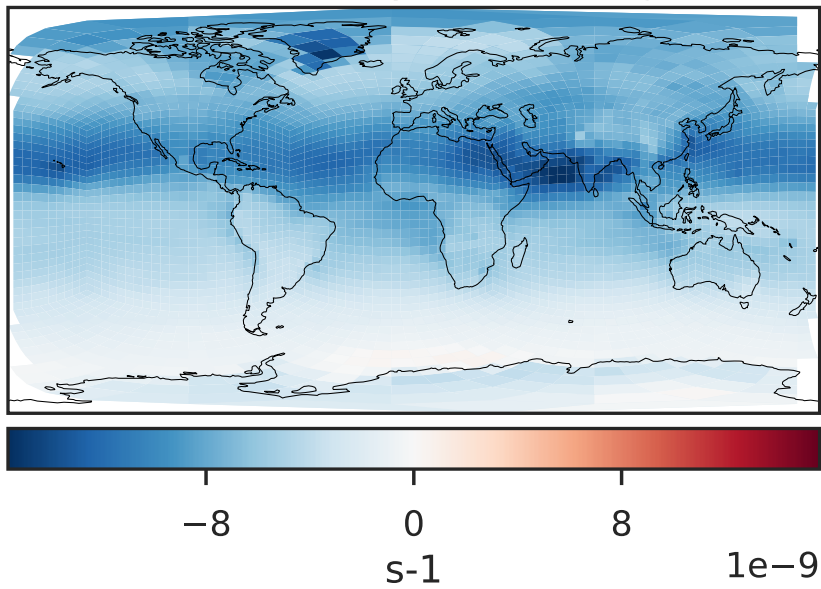
GCHP\_14.0.0 (Ref)  
c24



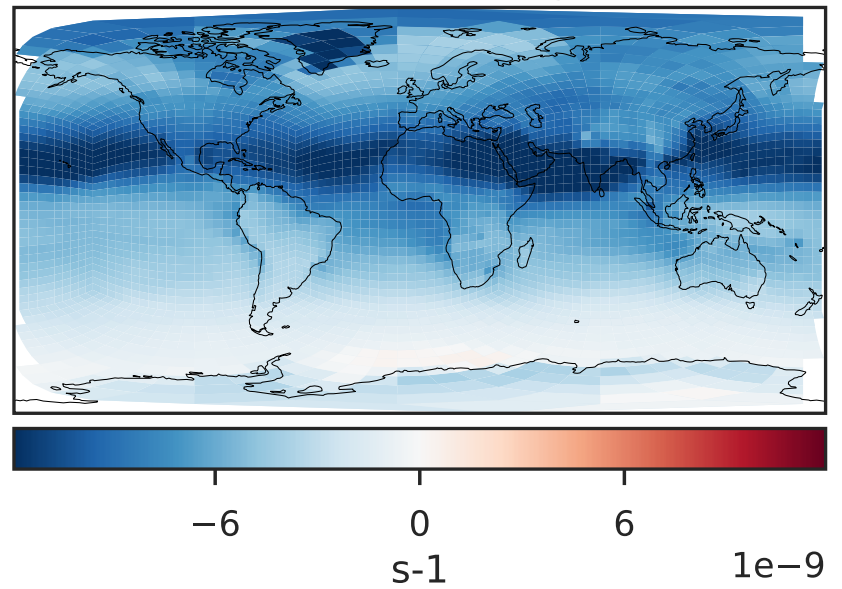
GCHP\_14.2.0 (Dev)  
c24



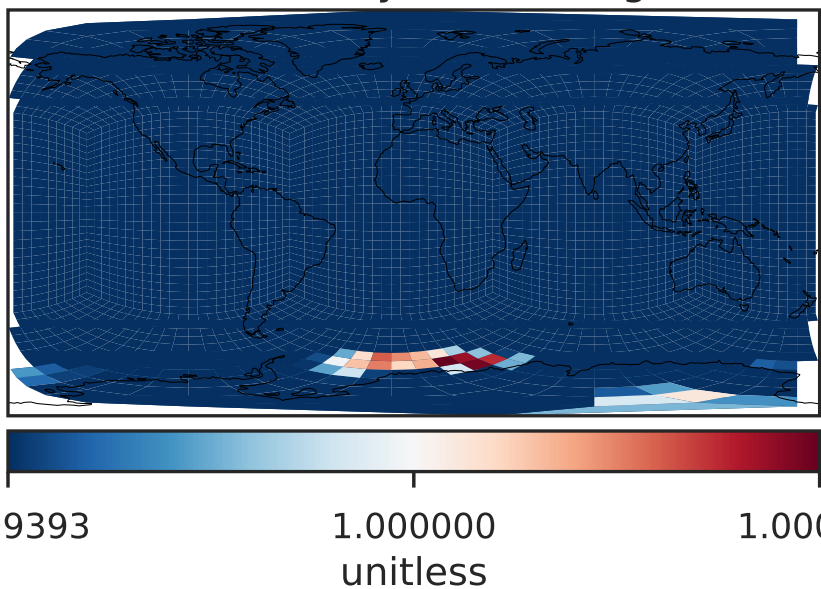
Difference  
Dev - Ref, Dynamic Range



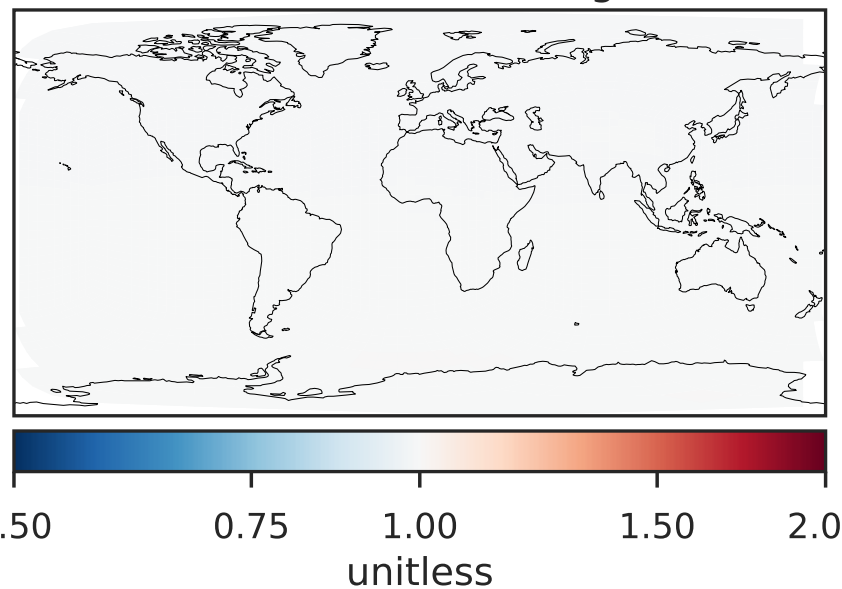
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

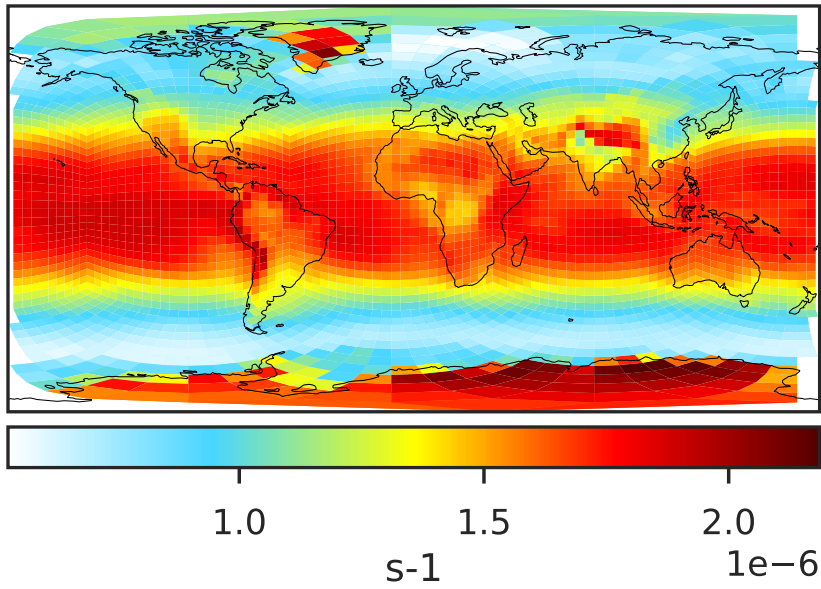


Ratio  
Dev/Ref, Fixed Range

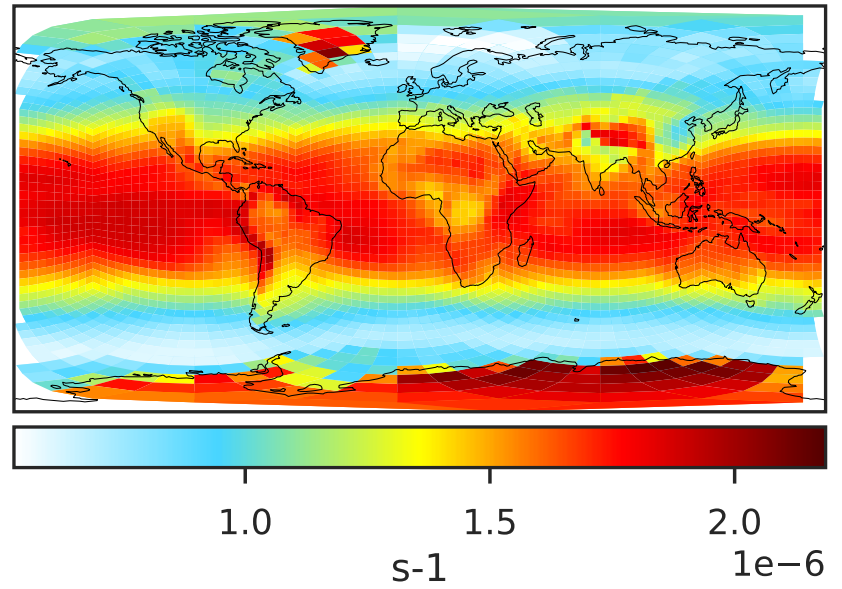


# Jval\_RIPB (AnnualMean)

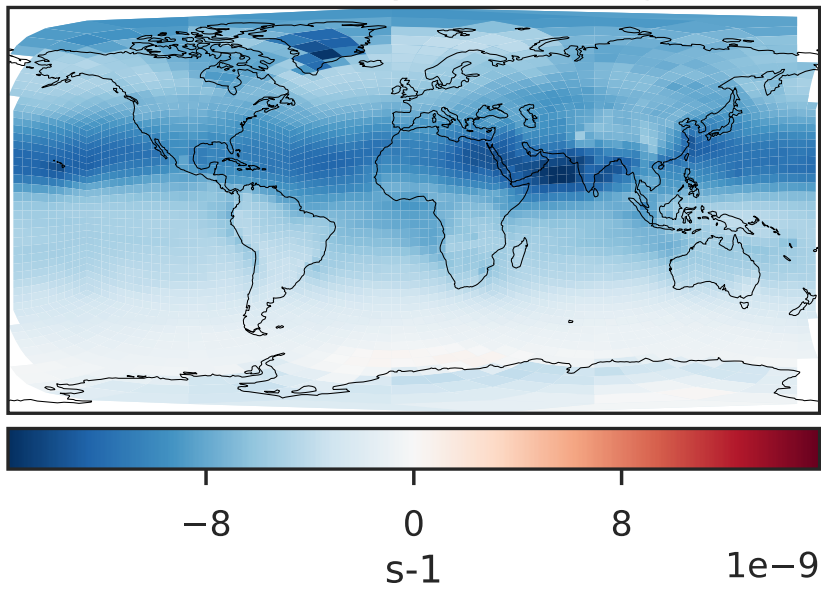
GCHP\_14.0.0 (Ref)  
c24



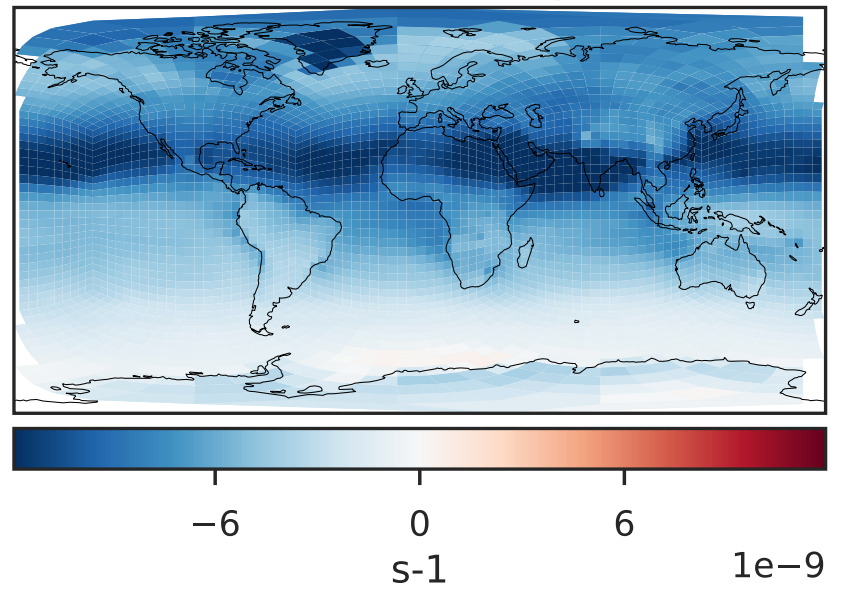
GCHP\_14.2.0 (Dev)  
c24



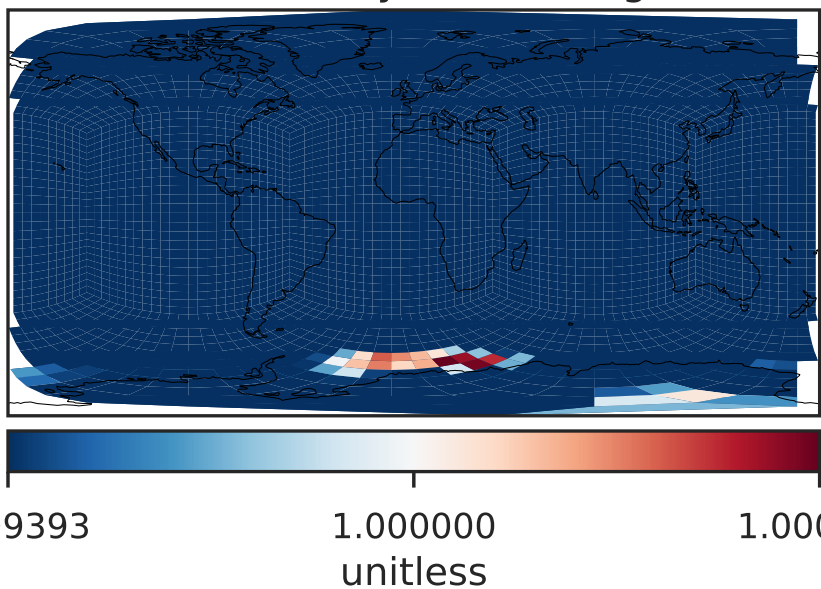
Difference  
Dev - Ref, Dynamic Range



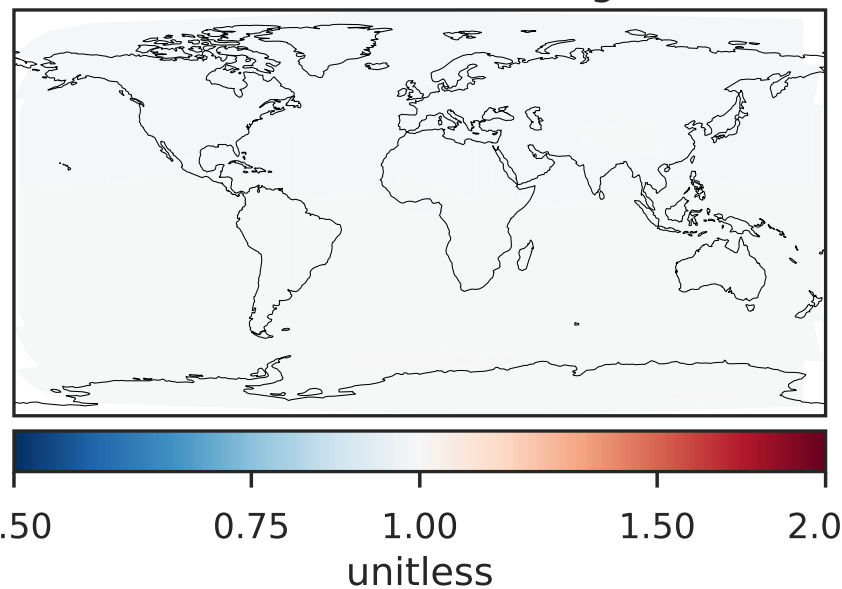
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



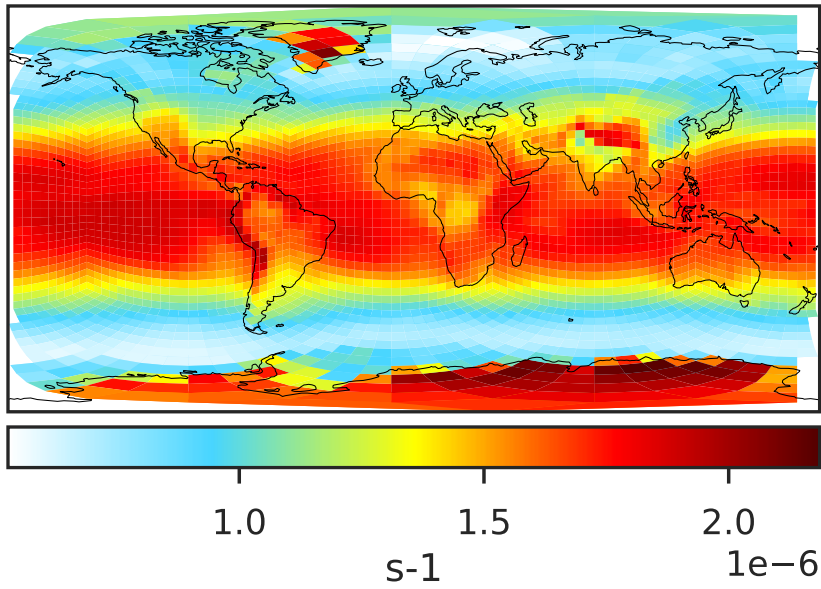
Ratio  
Dev/Ref, Fixed Range



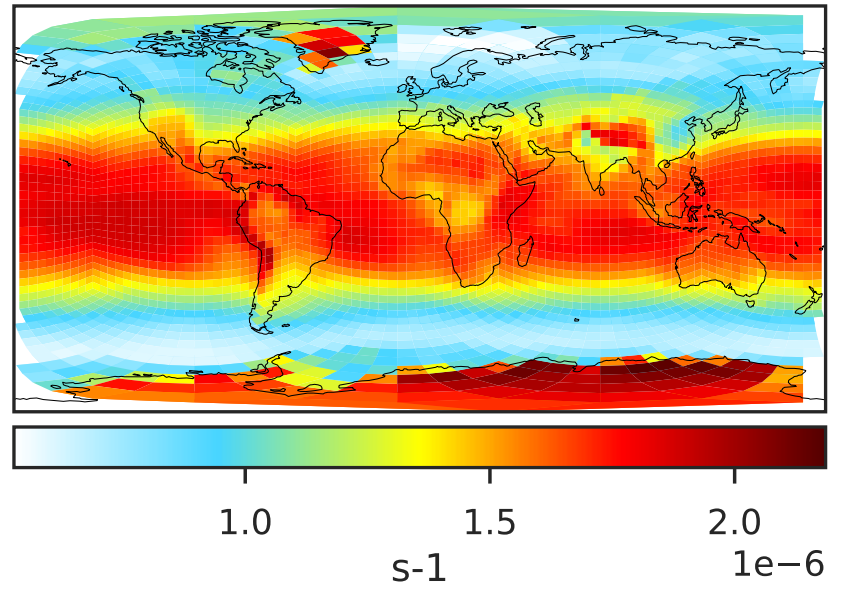


# Jval\_RIPC (AnnualMean)

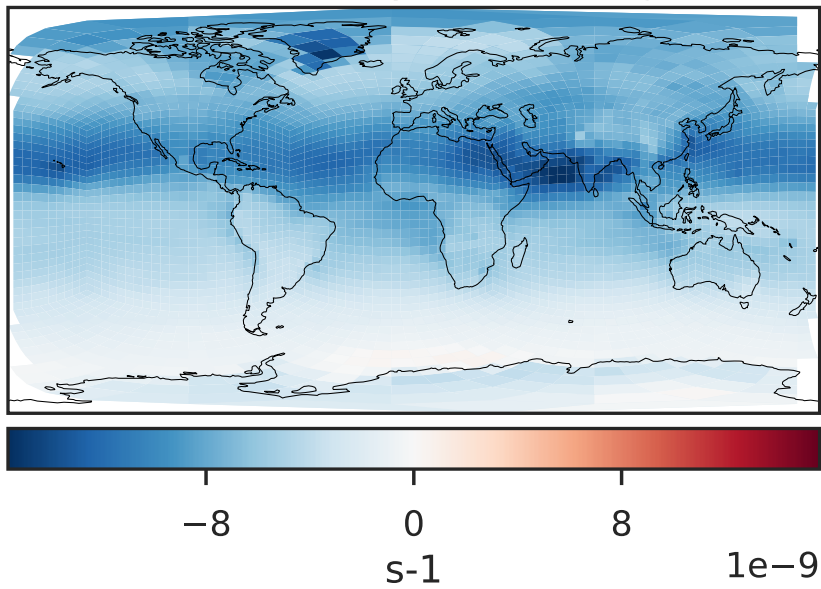
GCHP\_14.0.0 (Ref)  
c24



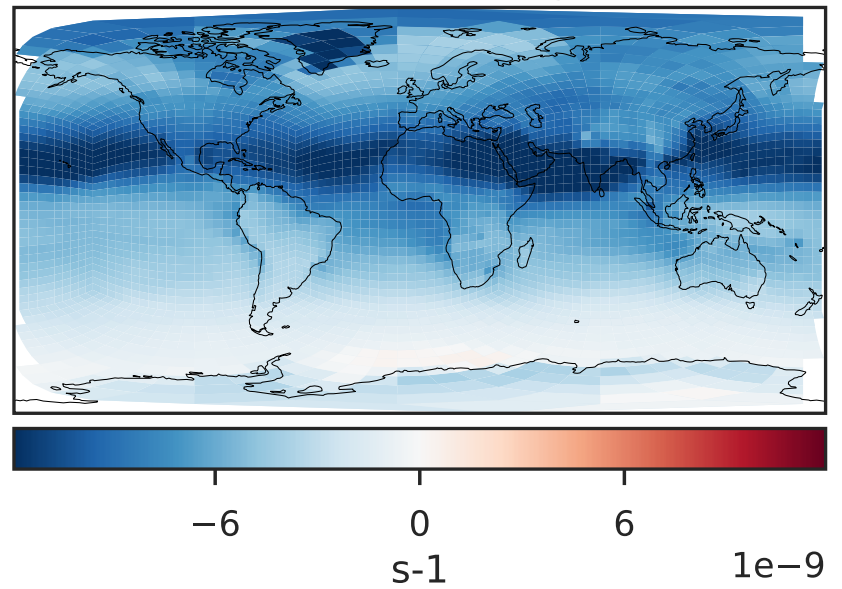
GCHP\_14.2.0 (Dev)  
c24



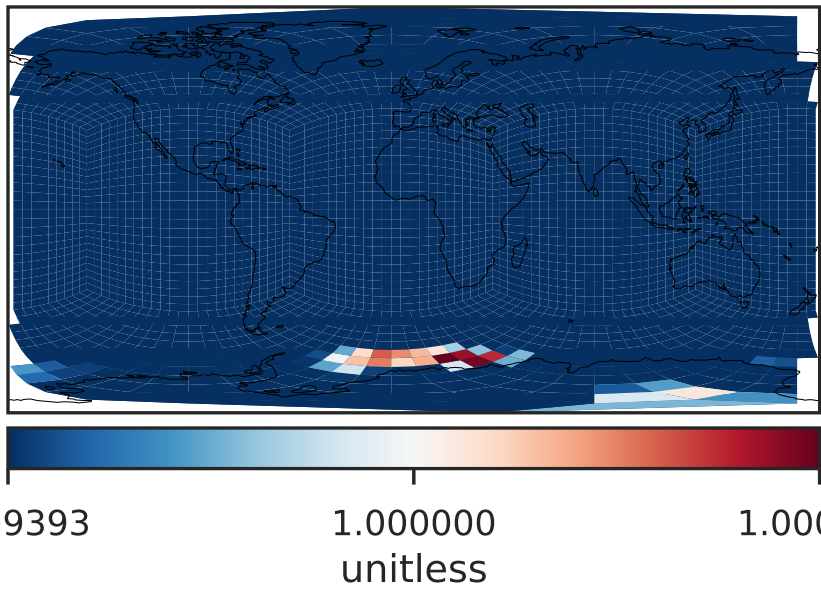
Difference  
Dev - Ref, Dynamic Range



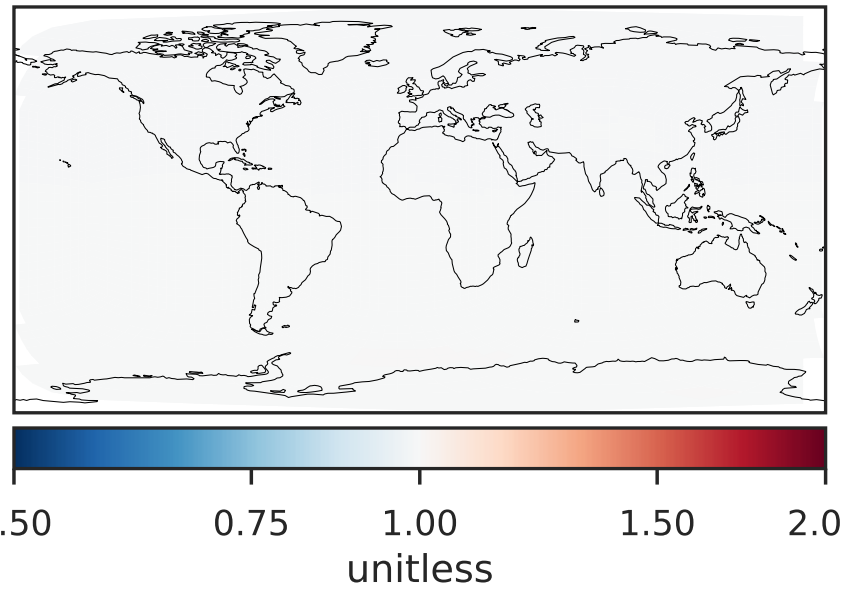
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

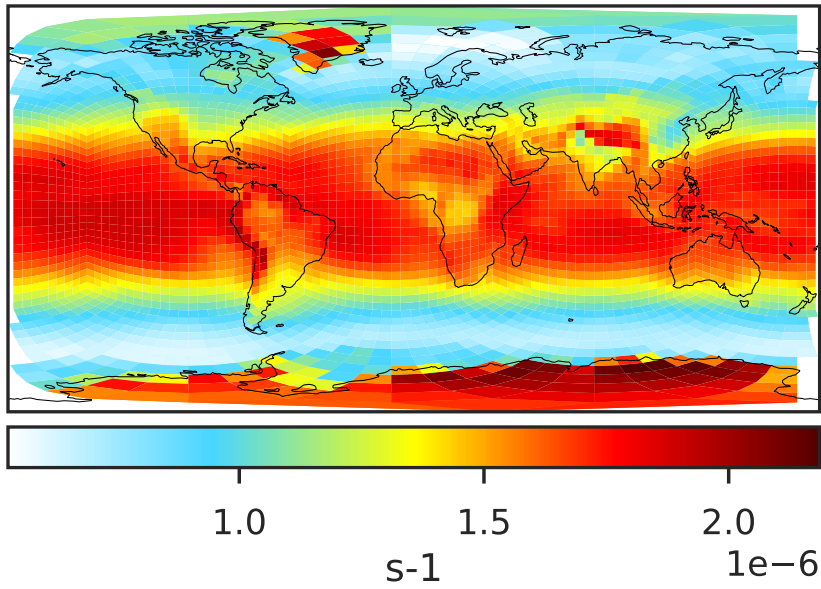


Ratio  
Dev/Ref, Fixed Range

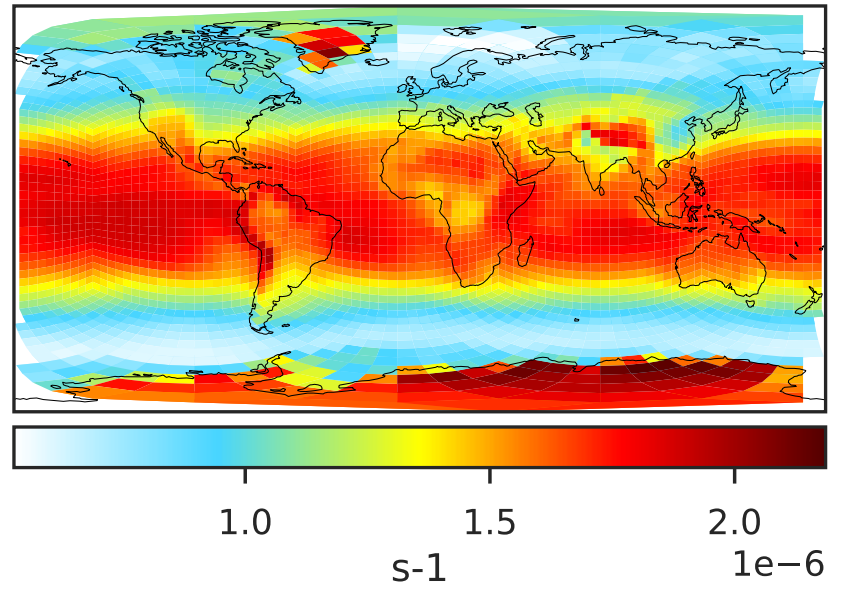


# Jval\_RIPD (AnnualMean)

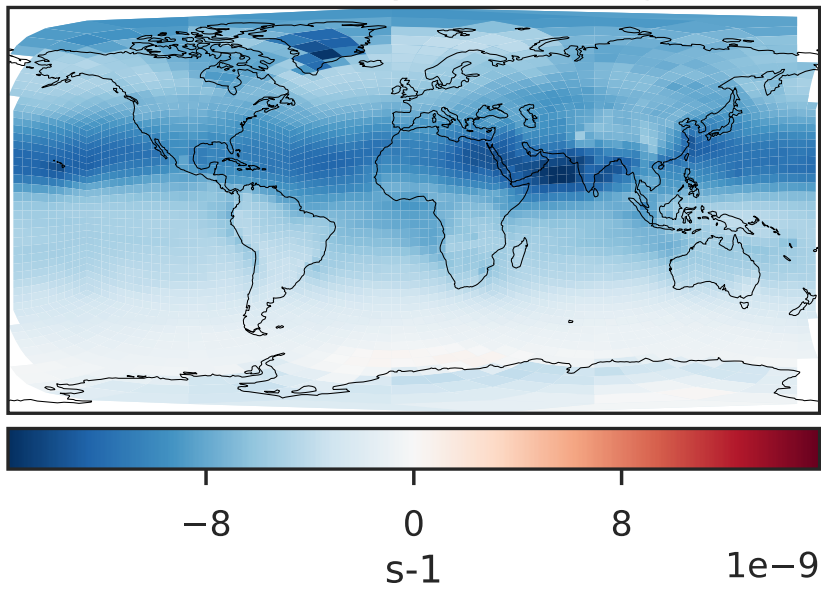
GCHP\_14.0.0 (Ref)  
c24



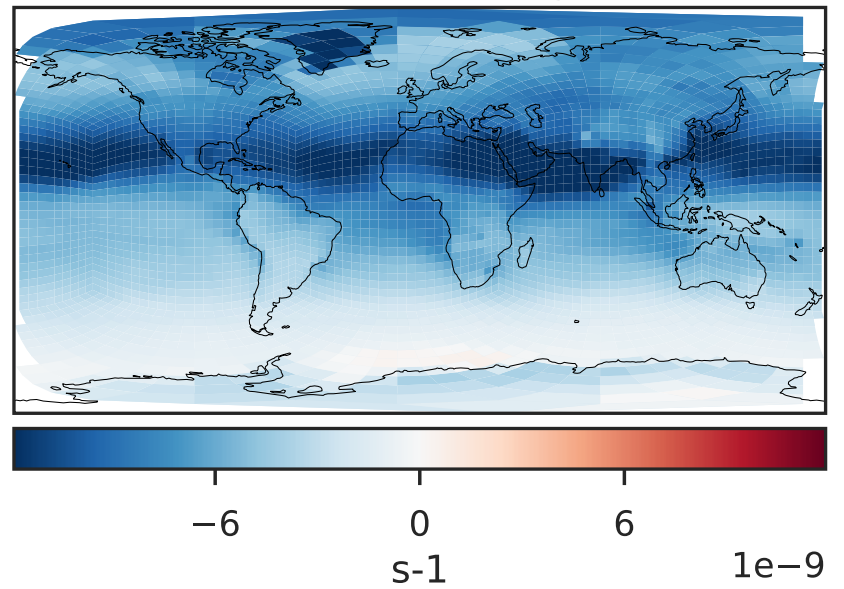
GCHP\_14.2.0 (Dev)  
c24



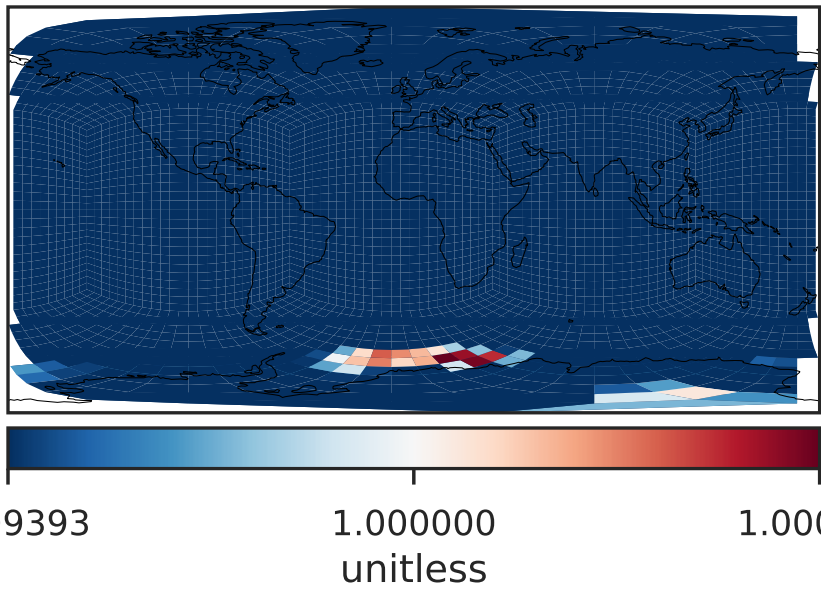
Difference  
Dev - Ref, Dynamic Range



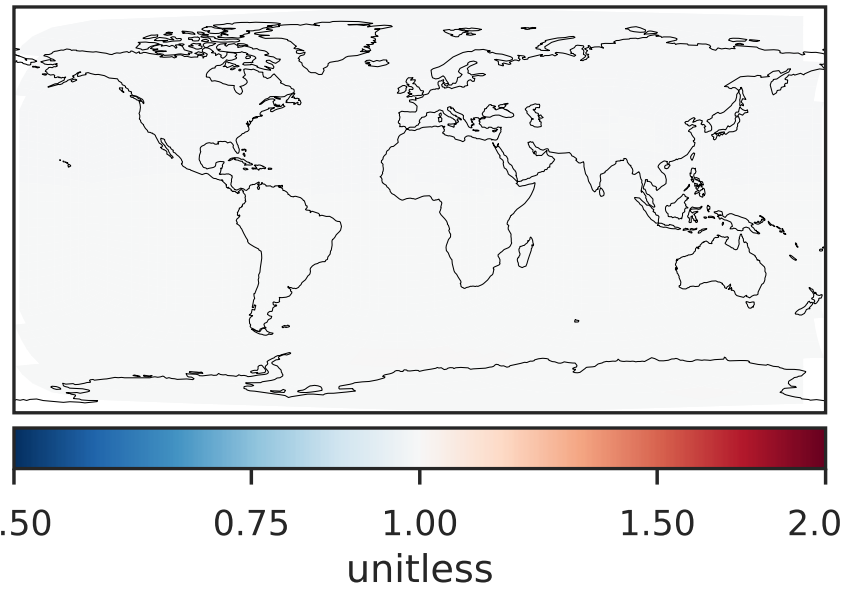
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



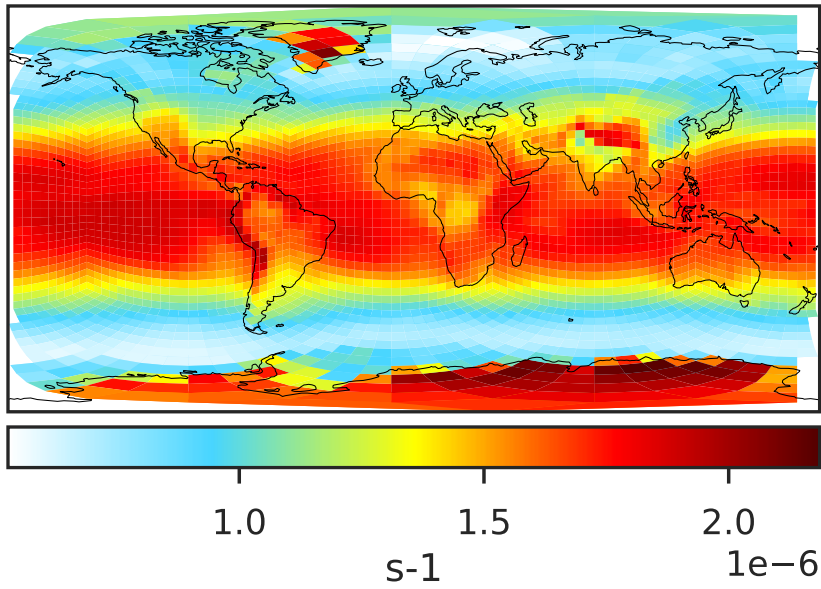
Ratio  
Dev/Ref, Fixed Range



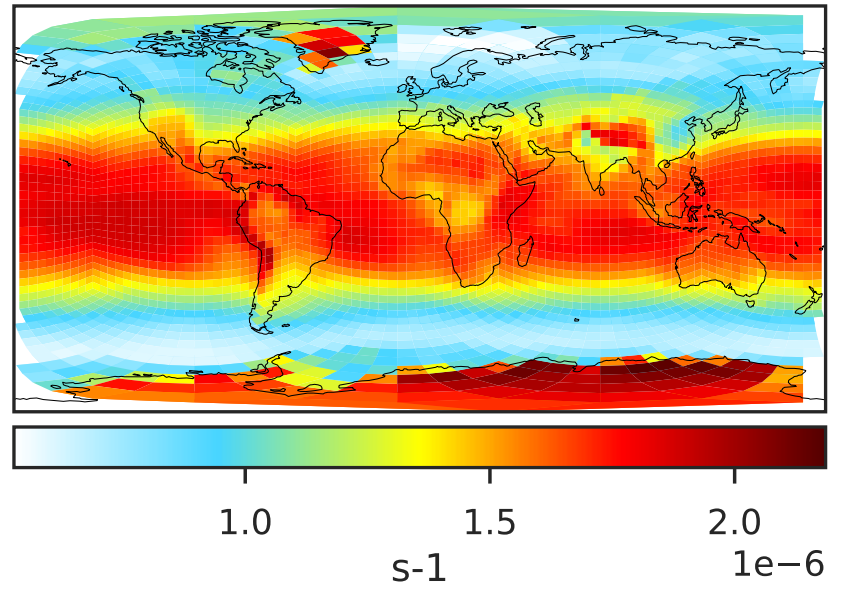


# Jval\_RP (AnnualMean)

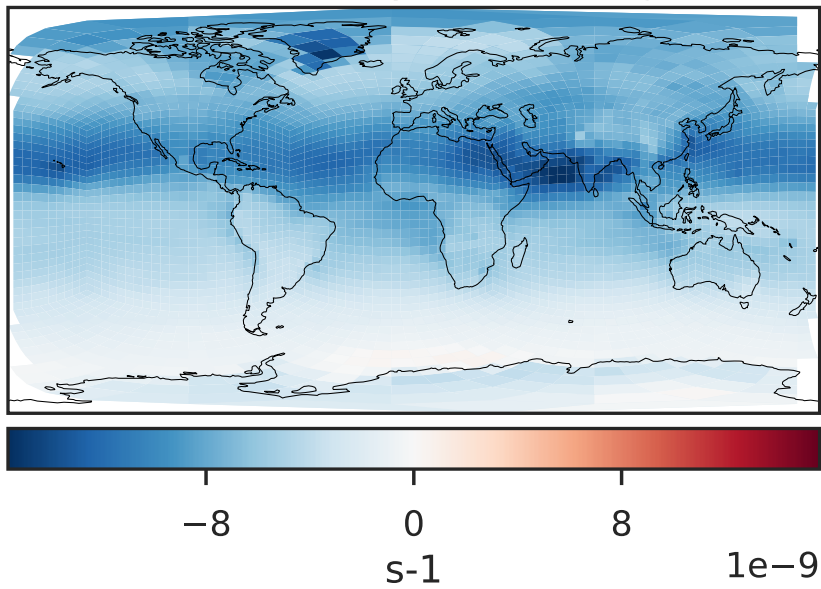
GCHP\_14.0.0 (Ref)  
c24



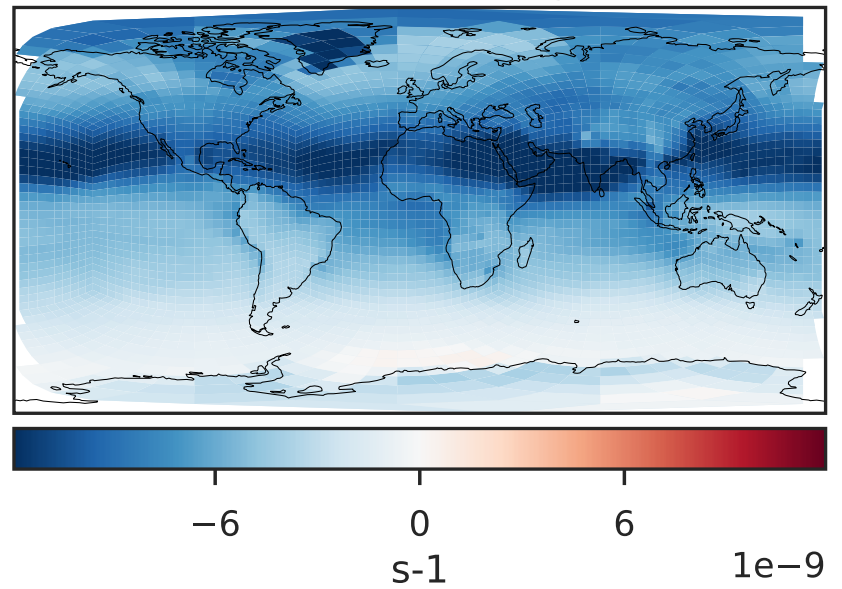
GCHP\_14.2.0 (Dev)  
c24



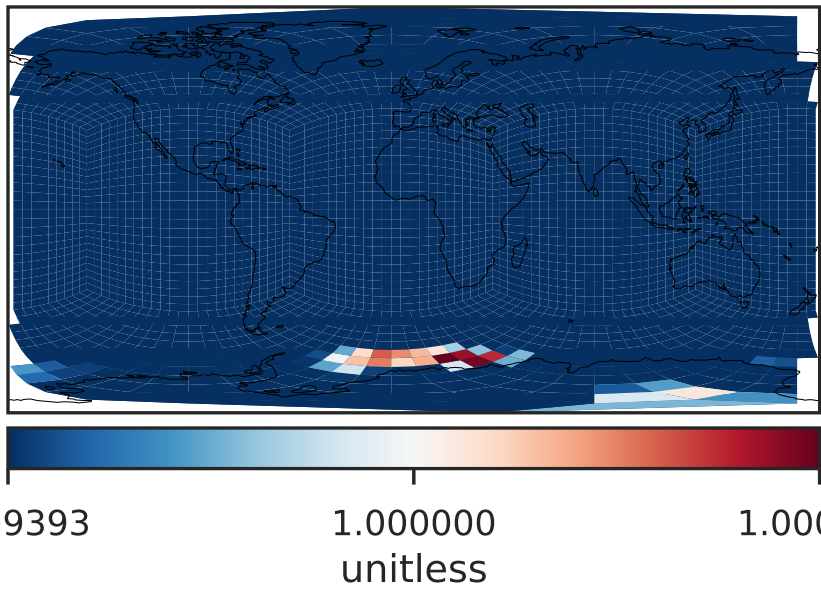
Difference  
Dev - Ref, Dynamic Range



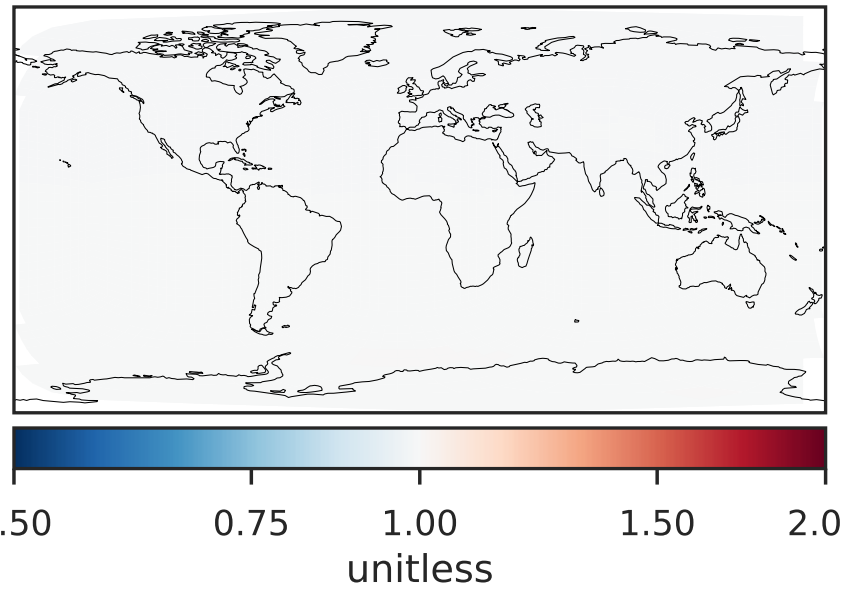
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

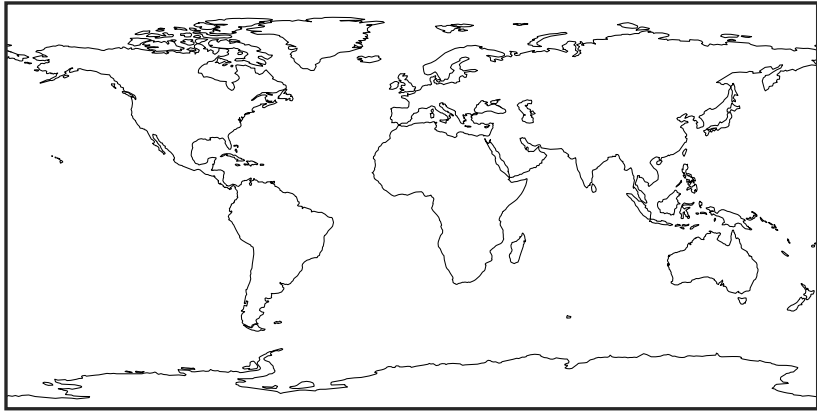


Ratio  
Dev/Ref, Fixed Range



# Jval\_SO4 (AnnualMean)

GCHP\_14.0.0 (Ref)  
c24



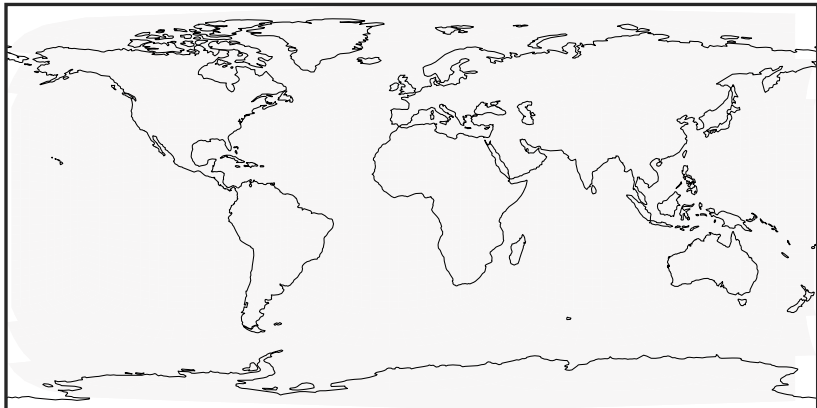
Zero throughput domain  
s-1

GCHP\_14.2.0 (Dev)  
c24



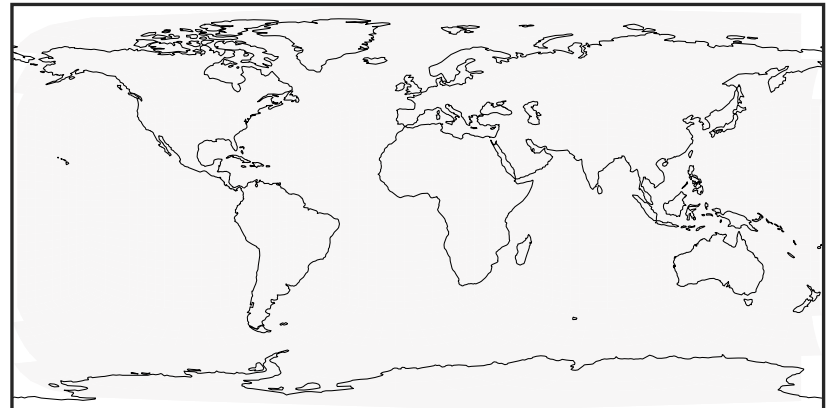
Zero throughput domain  
s-1

Difference  
Dev - Ref, Dynamic Range



Zero throughput domain  
s-1

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



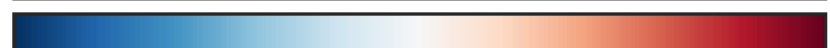
Zero throughput domain  
s-1

Ratio  
Dev/Ref, Dynamic Range



Undefined throughput domain  
unitless

Ratio  
Dev/Ref, Fixed Range



Undefined throughput domain  
unitless