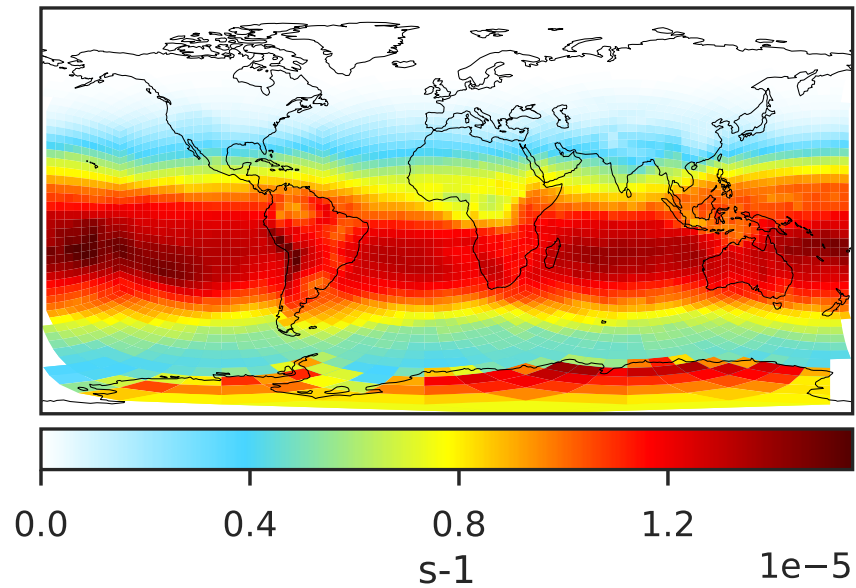
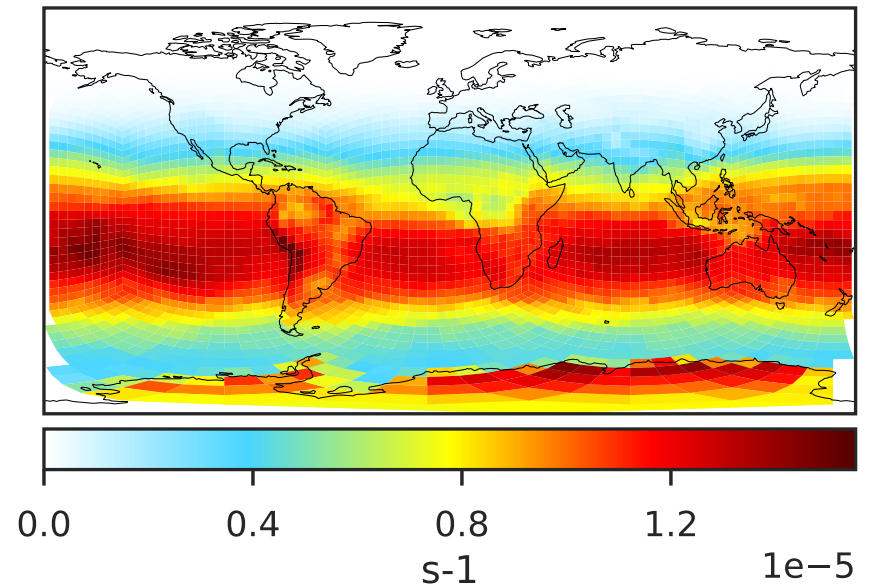


Jval0301D (Jan2019)

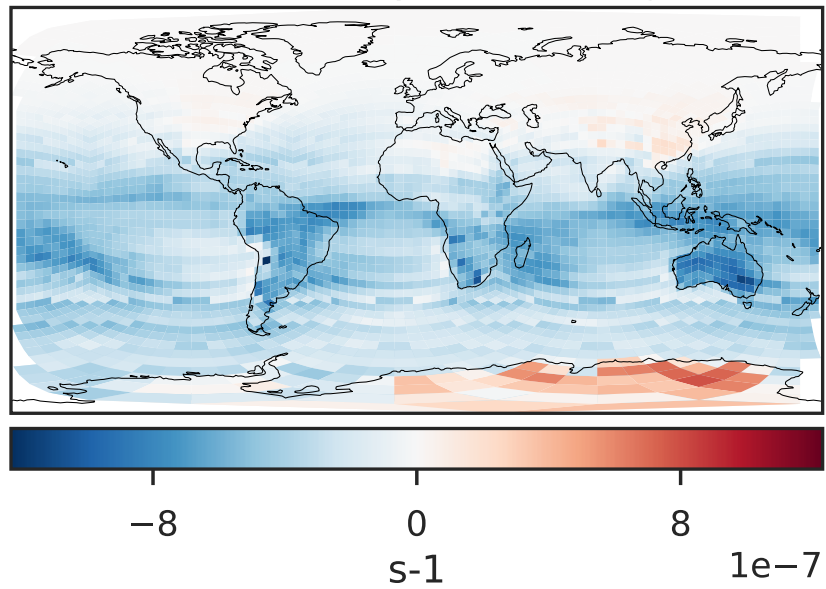
14.2.0-rc.2 (Ref)
c24



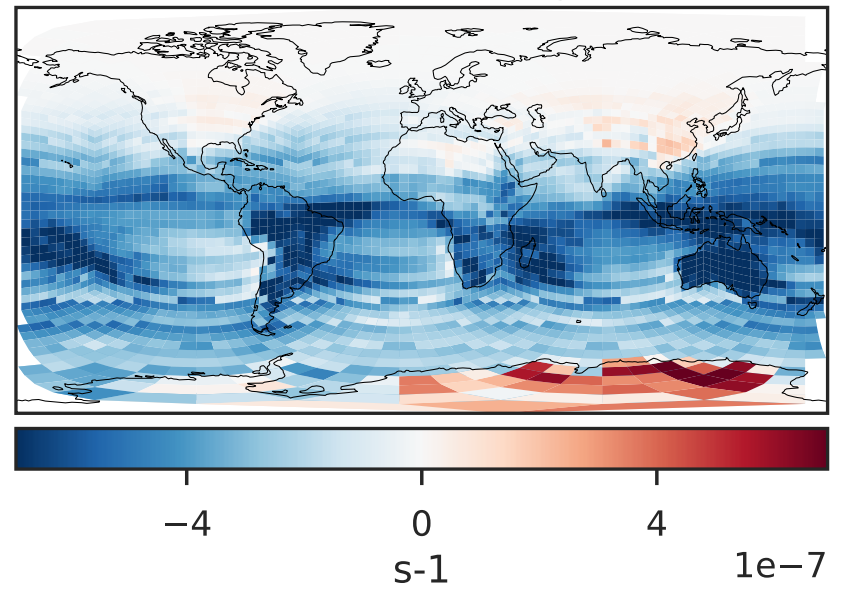
14.3.0-rc.0 (Dev)
c24



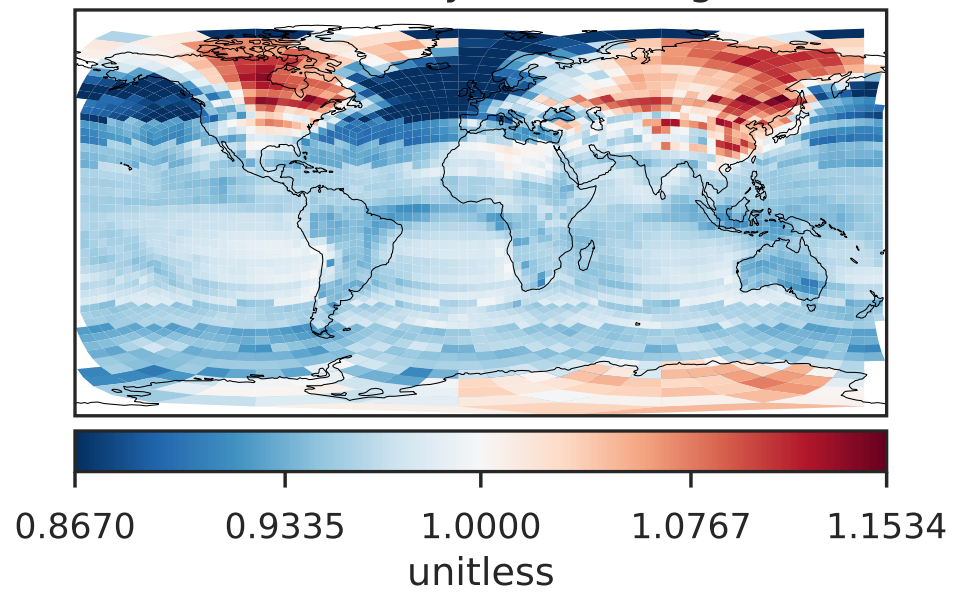
Difference
Dev - Ref, Dynamic Range



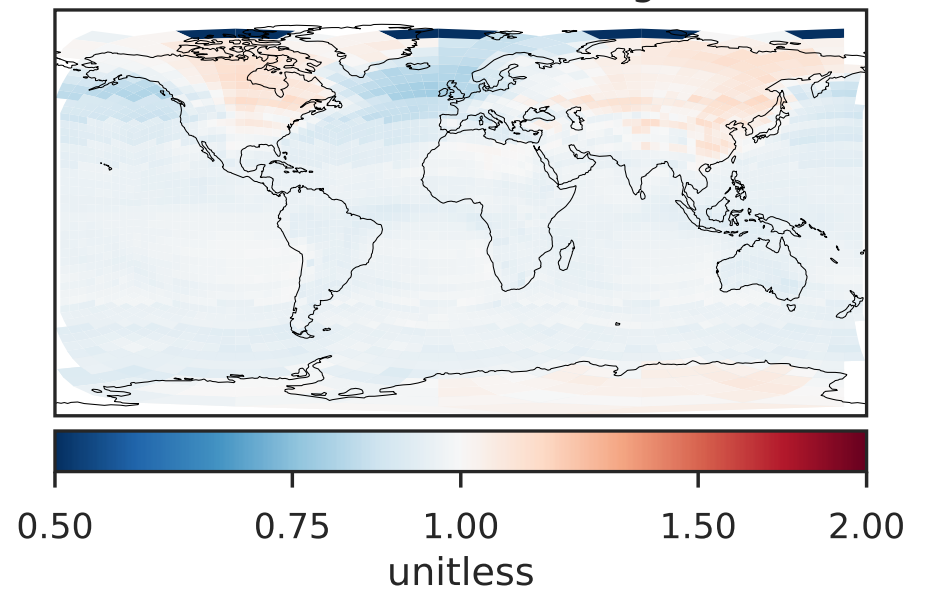
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

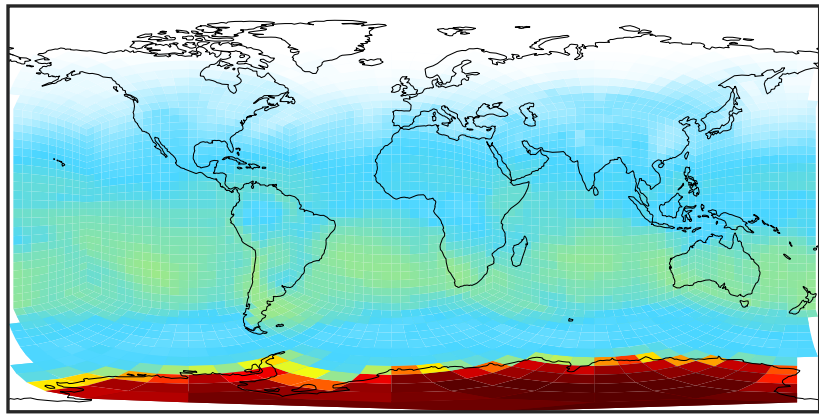


Ratio
Dev/Ref, Fixed Range



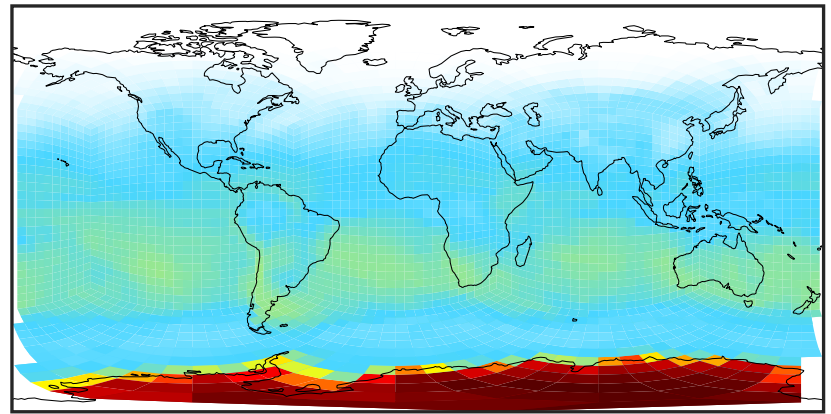
JvalO3O3P (Jan2019)

14.2.0-rc.2 (Ref)
c24



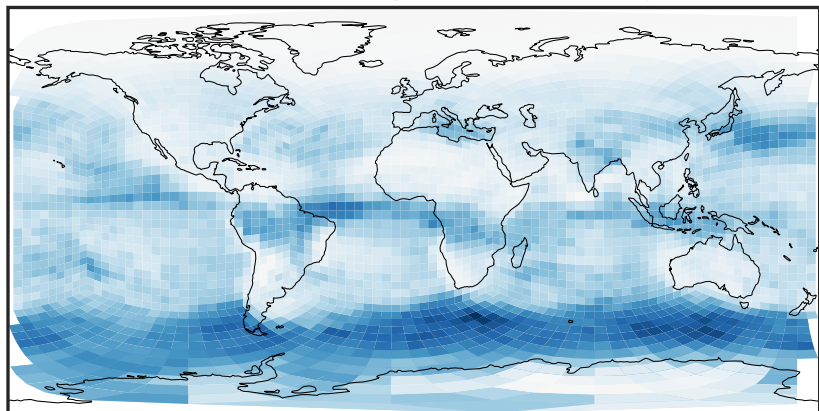
0.0000 0.0002 0.0004 0.0006
s-1

14.3.0-rc.0 (Dev)
c24



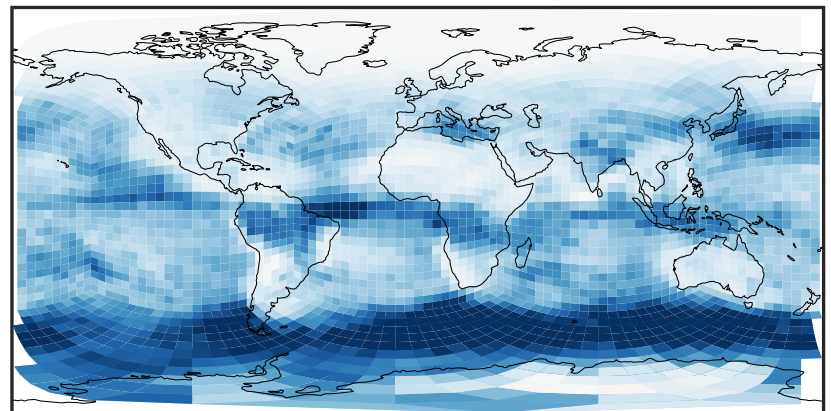
0.0000 0.0002 0.0004 0.0006
s-1

Difference
Dev - Ref, Dynamic Range



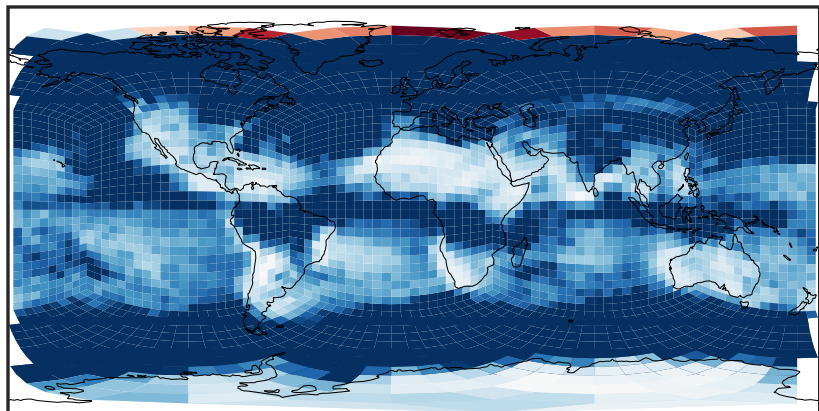
-8 0 8
s-1 1e-6

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



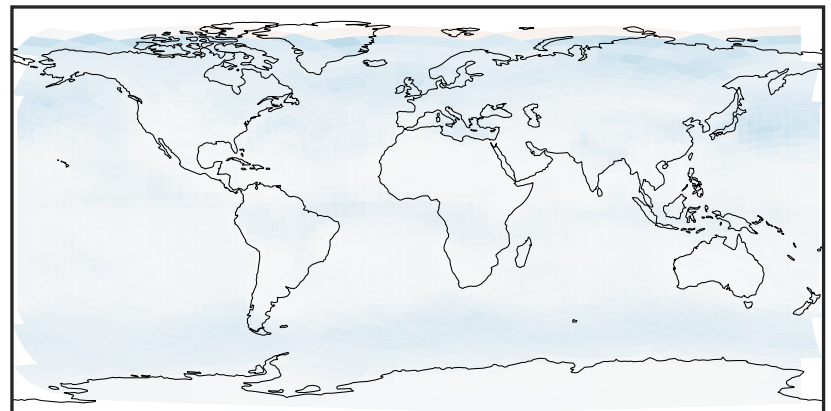
-6 0 6
s-1 1e-6

Ratio
Dev/Ref, Dynamic Range



0.96507 0.98254 1.00000 1.01810 1.03619
unitless

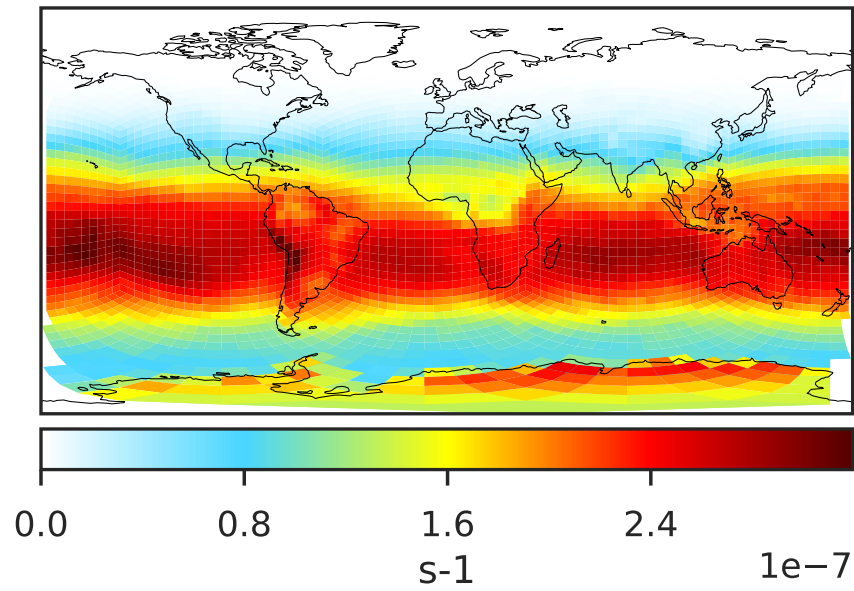
Ratio
Dev/Ref, Fixed Range



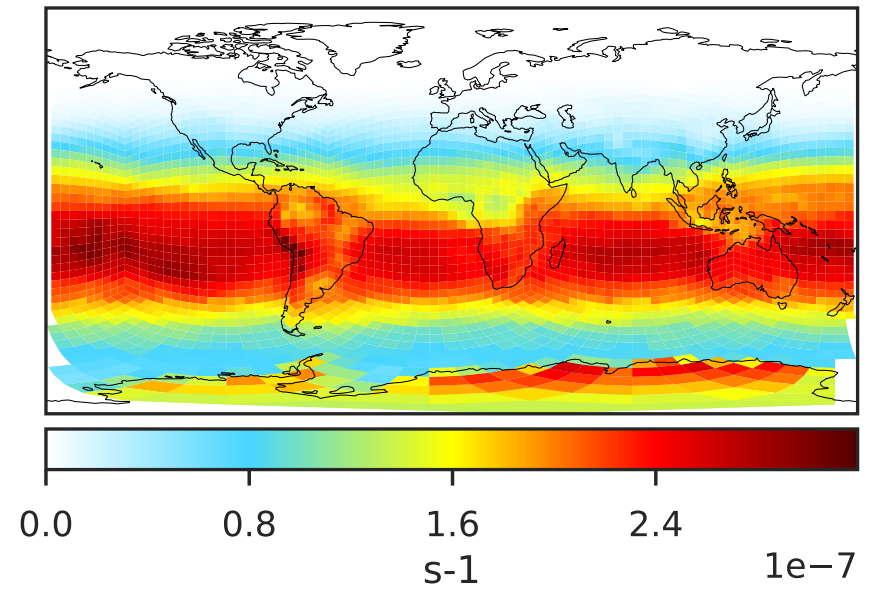
0.50 0.75 1.00 1.50 2.00
unitless

Jval_ACET (Jan2019)

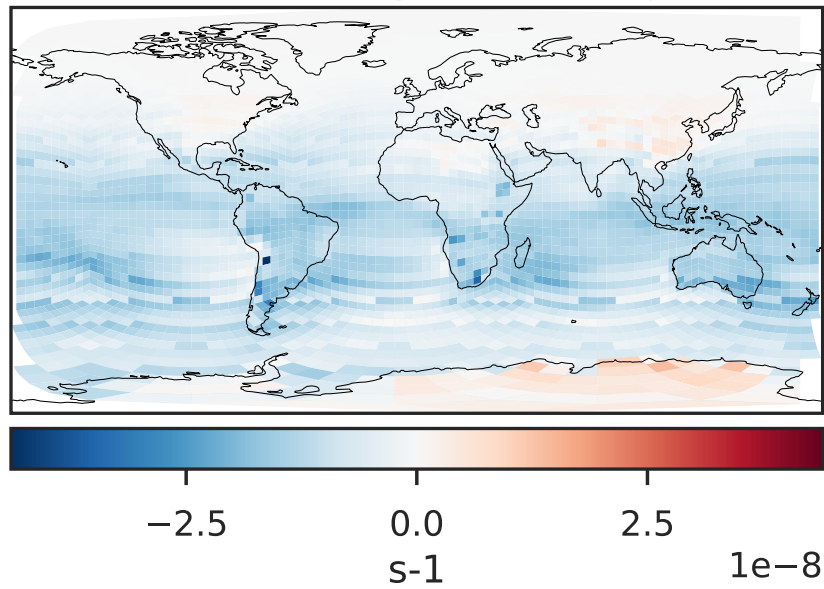
14.2.0-rc.2 (Ref)
c24



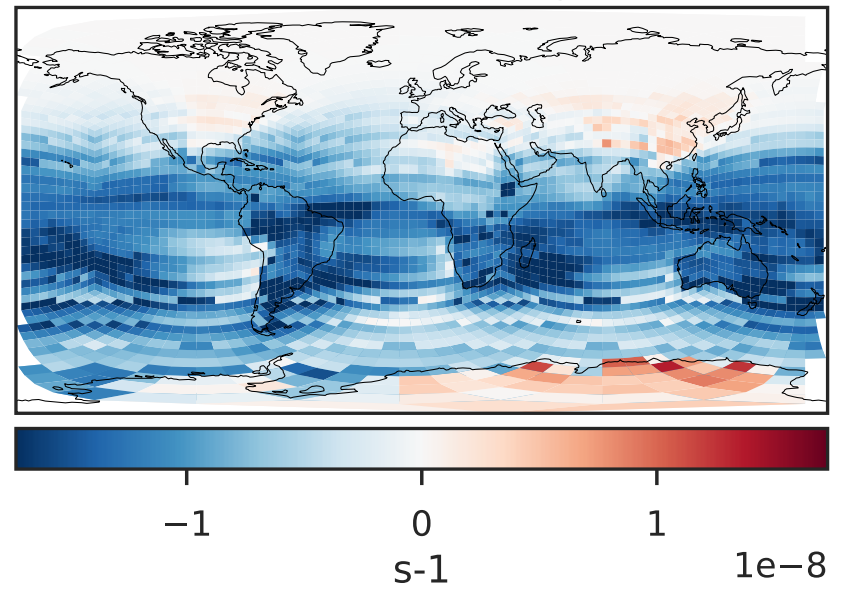
14.3.0-rc.0 (Dev)
c24



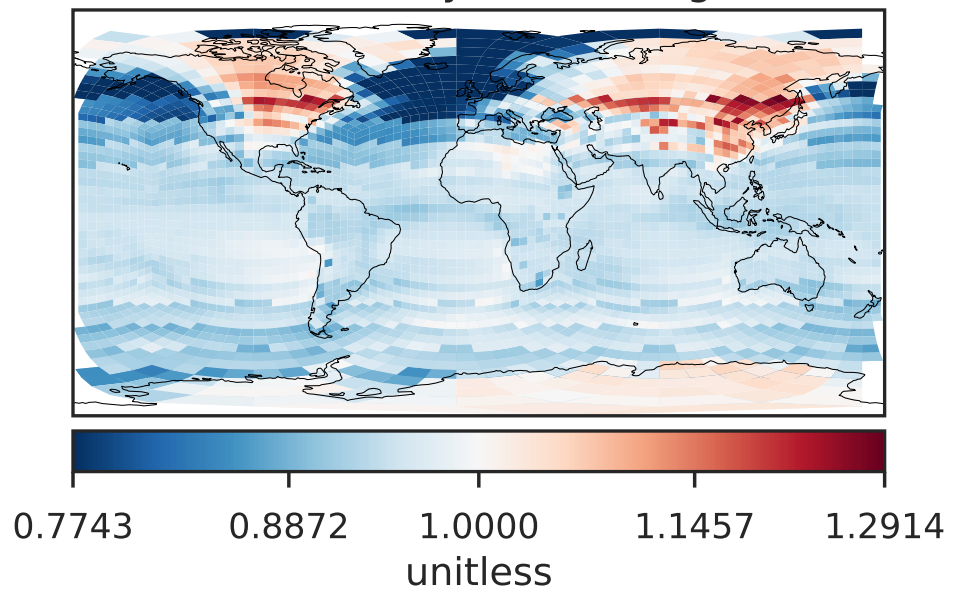
Difference
Dev - Ref, Dynamic Range



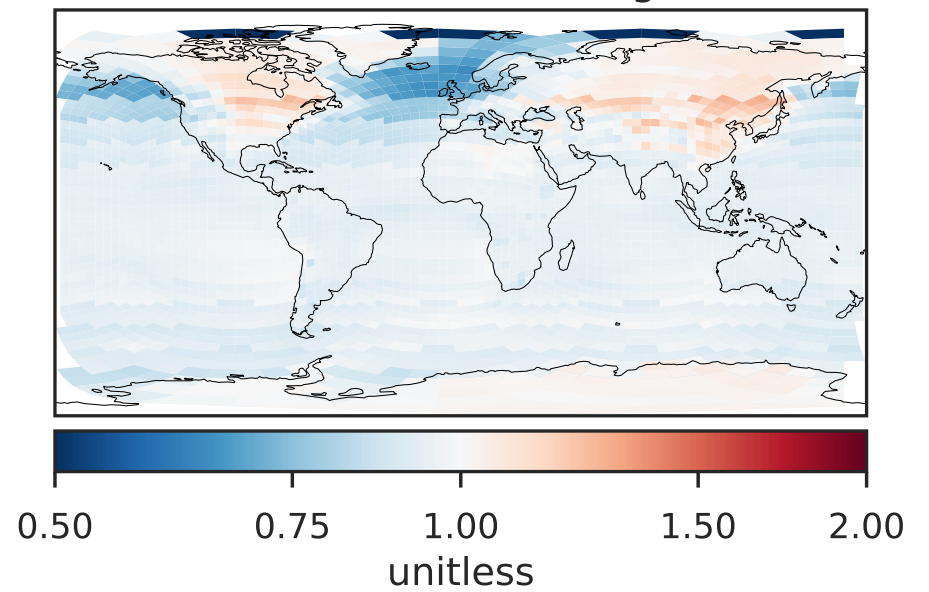
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

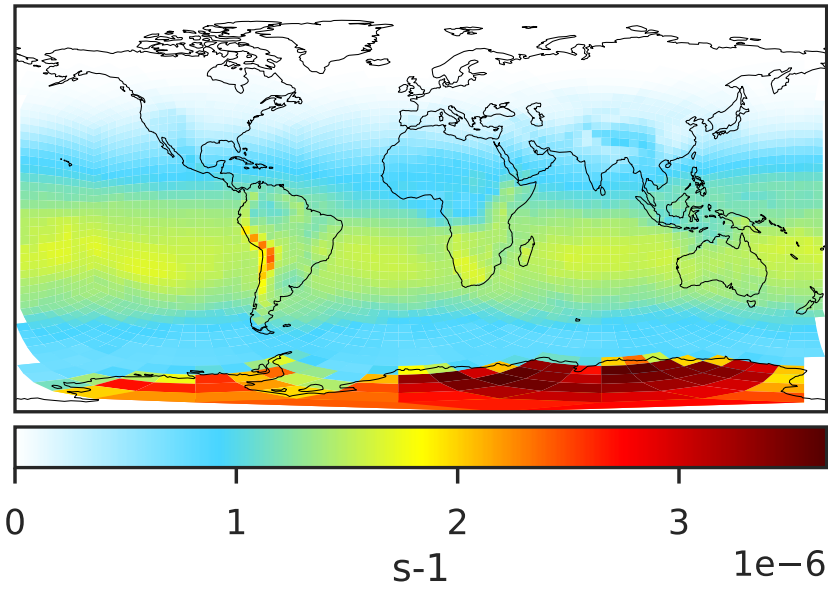


Ratio
Dev/Ref, Fixed Range

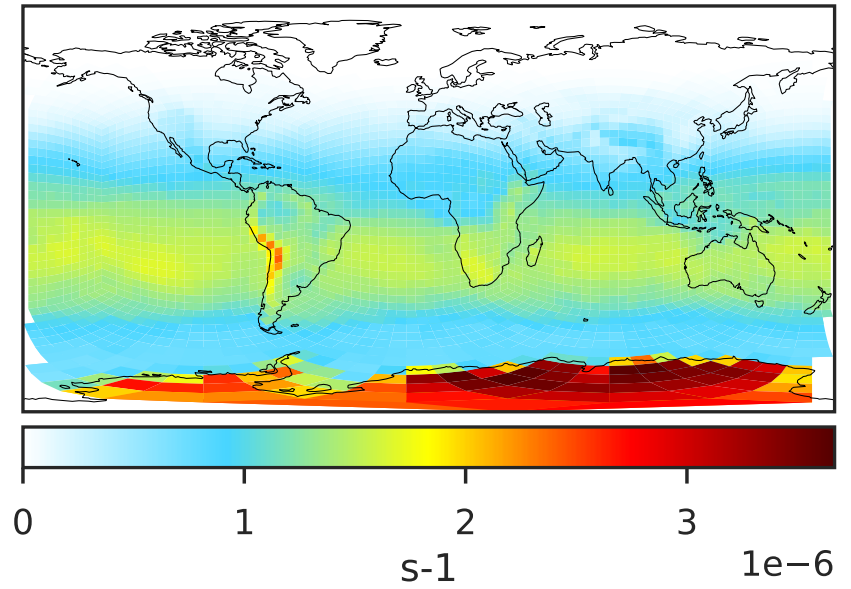


Jval_ALD2 (Jan2019)

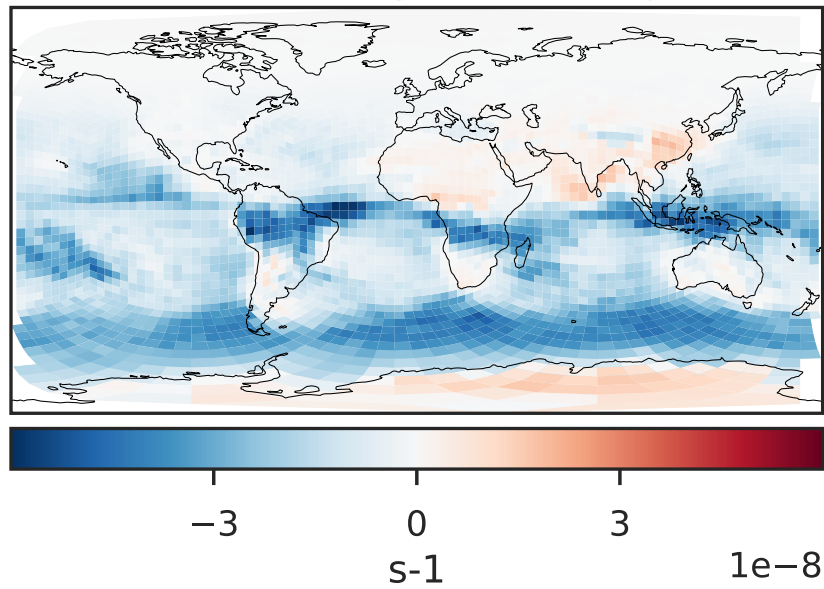
14.2.0-rc.2 (Ref)
c24



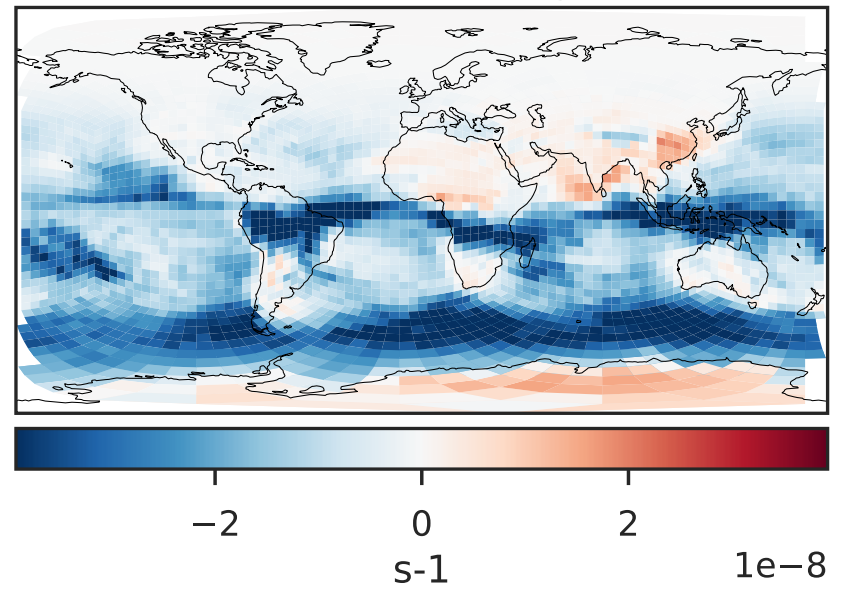
14.3.0-rc.0 (Dev)
c24



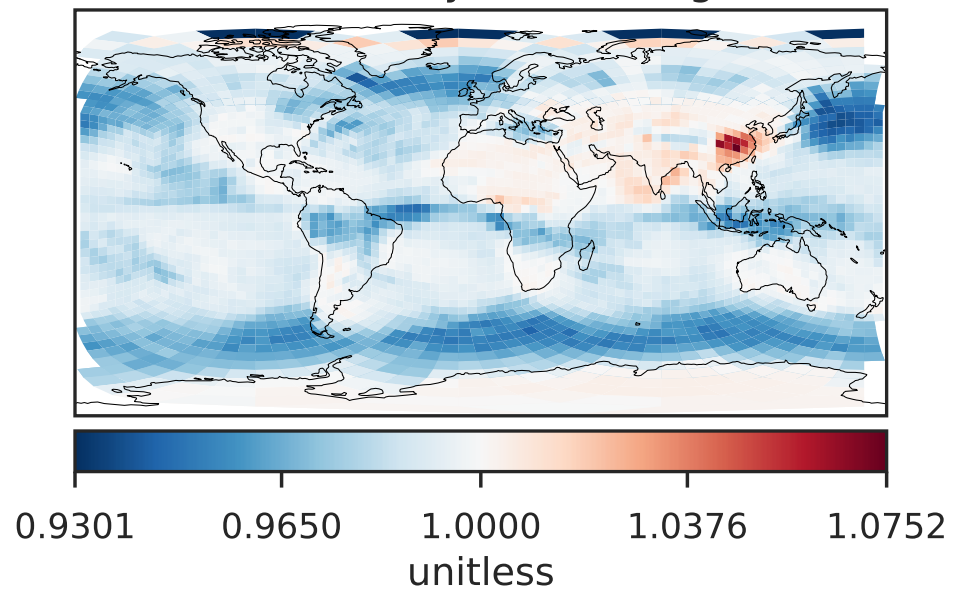
Difference
Dev - Ref, Dynamic Range



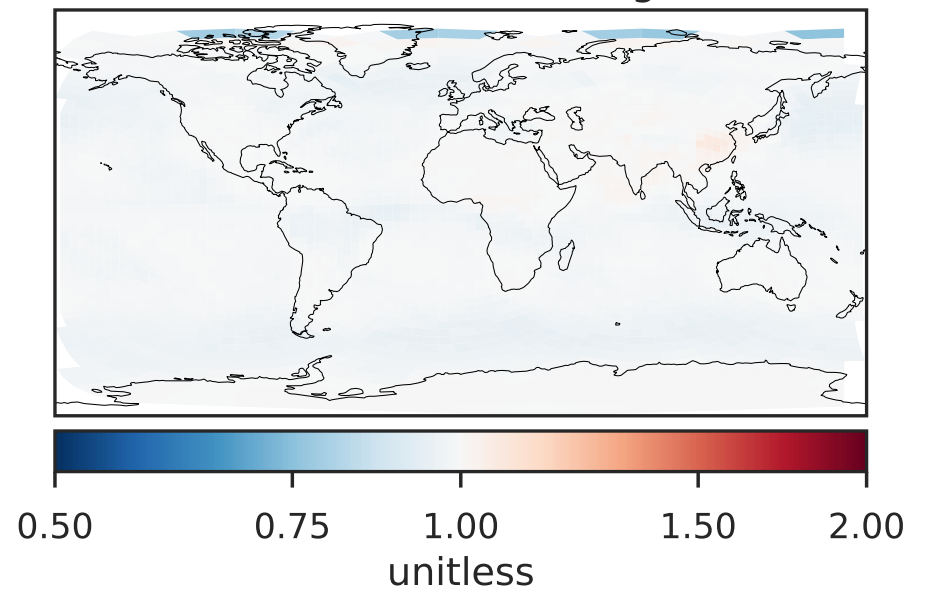
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

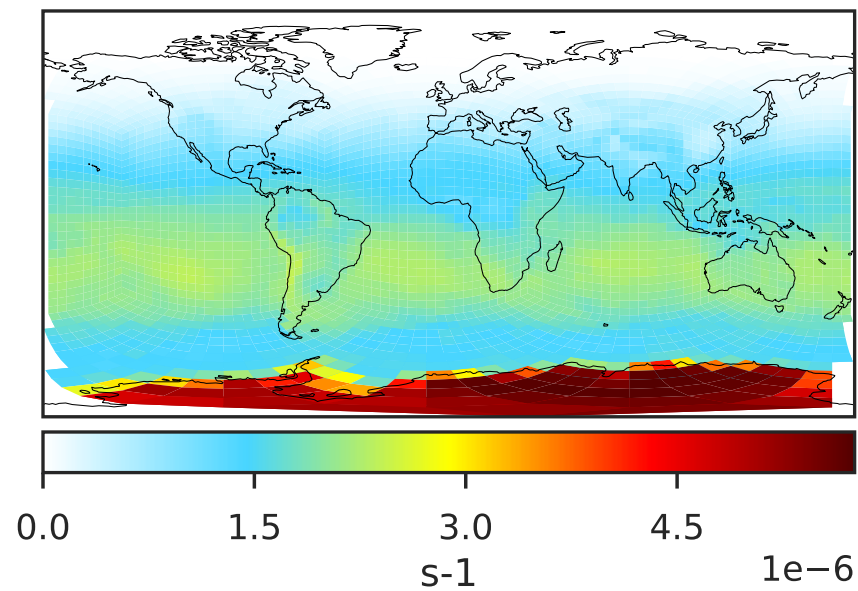


Ratio
Dev/Ref, Fixed Range

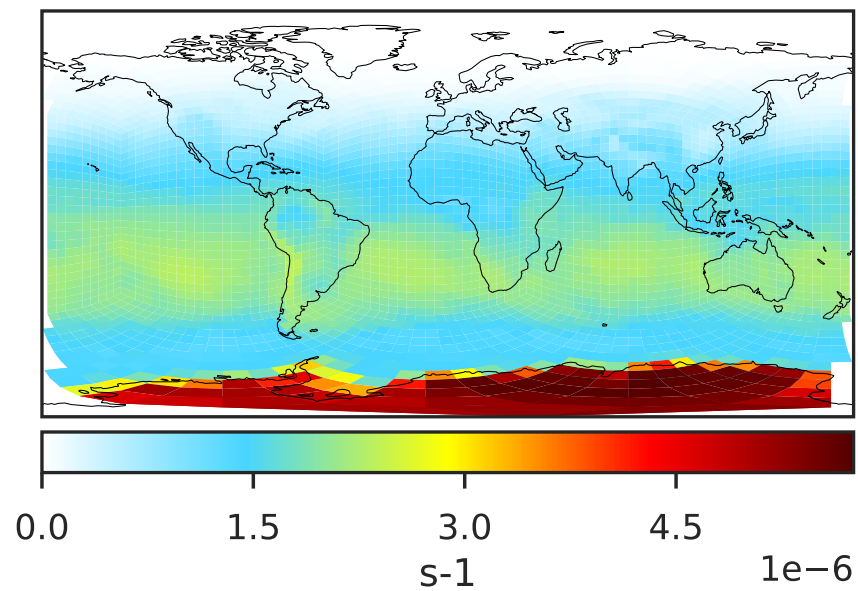


Jval_ATOOH (Jan2019)

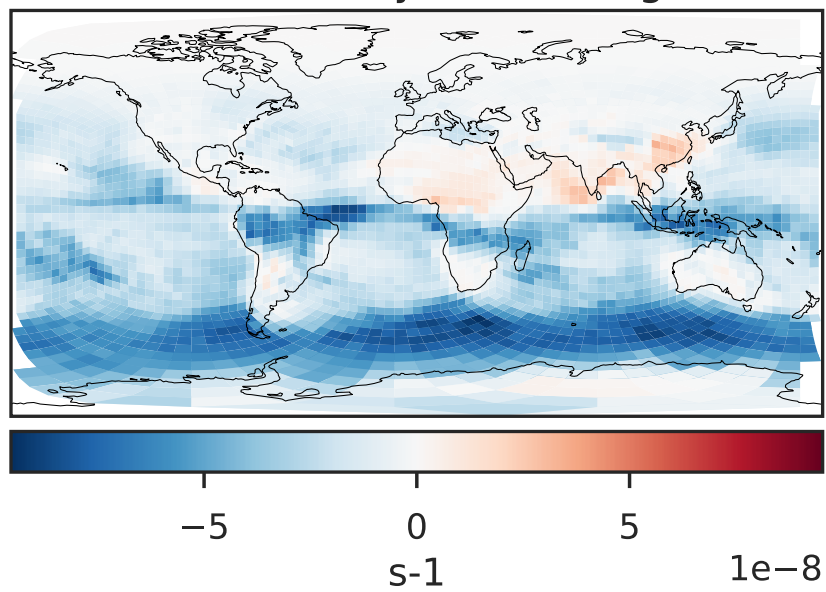
14.2.0-rc.2 (Ref)
c24



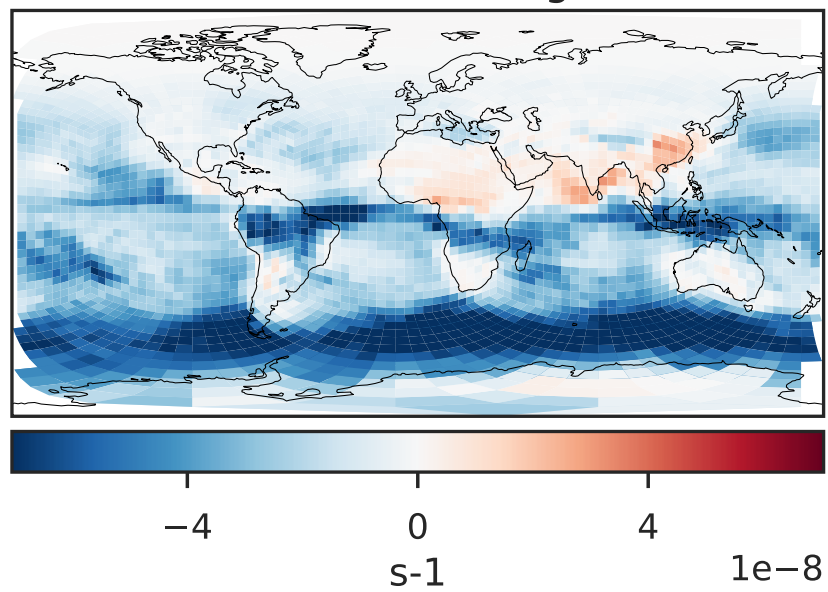
14.3.0-rc.0 (Dev)
c24



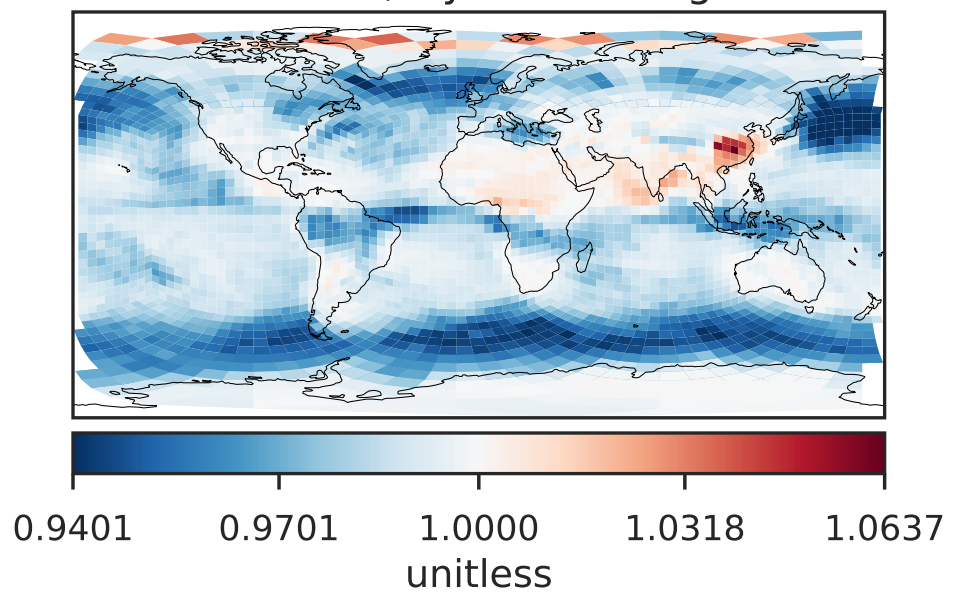
Difference
Dev - Ref, Dynamic Range



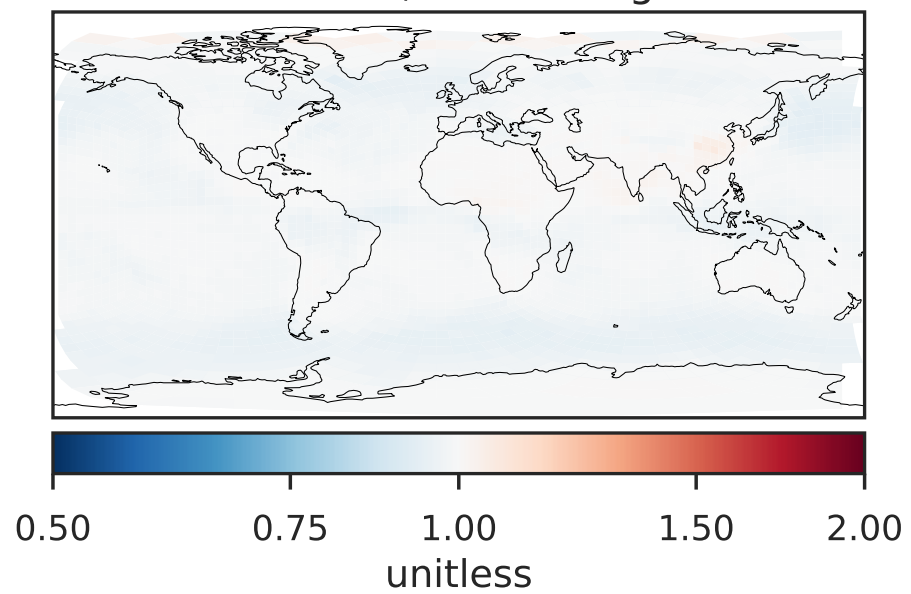
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

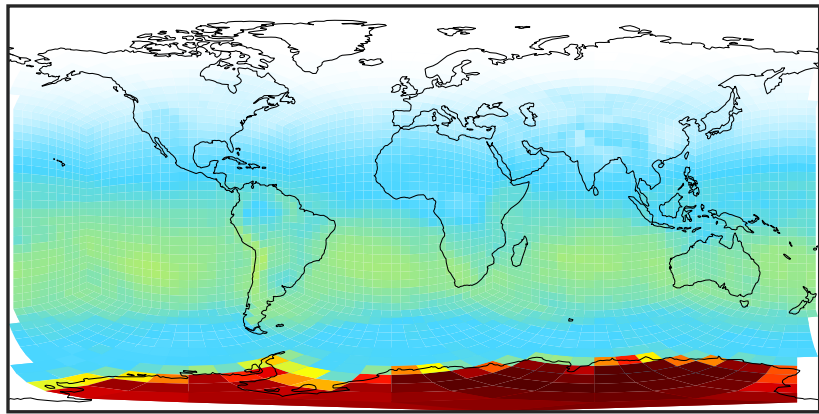


Ratio
Dev/Ref, Fixed Range



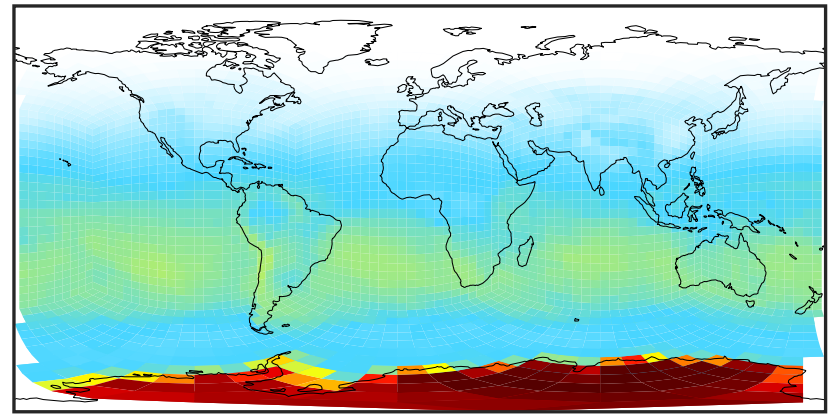
Jval_BALD (Jan2019)

14.2.0-rc.2 (Ref)
c24



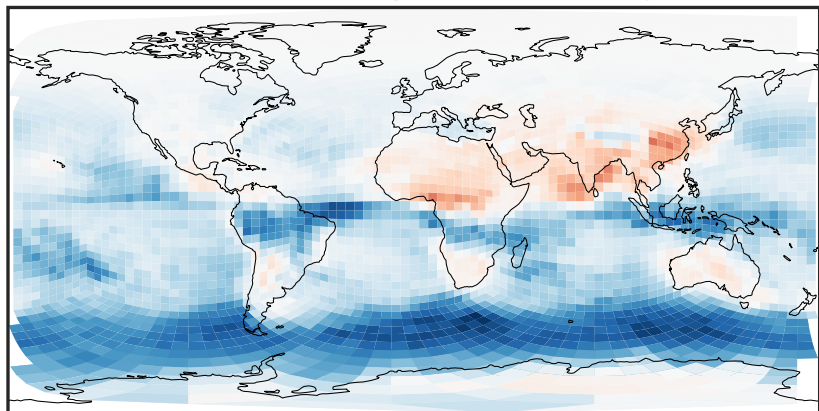
0.0 0.8 1.6 2.4
s-1 $1e-5$

14.3.0-rc.0 (Dev)
c24



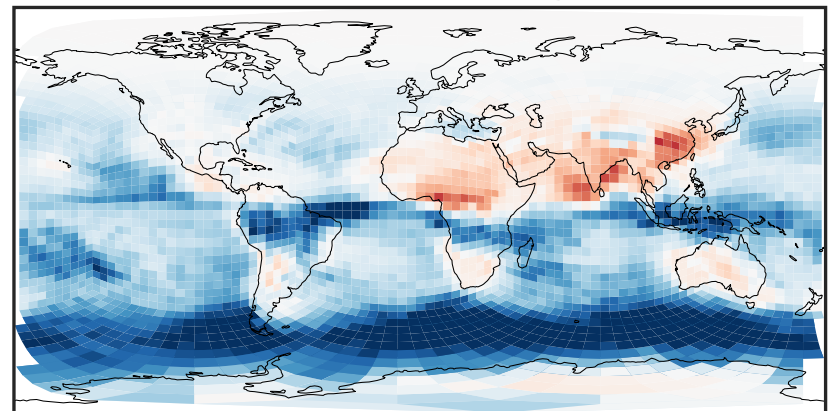
0.0 0.8 1.6 2.4
s-1 $1e-5$

Difference
Dev - Ref, Dynamic Range



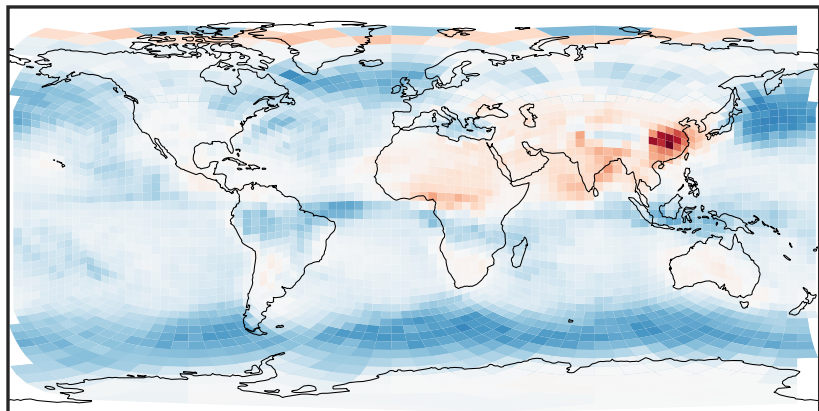
-2 0 2
s-1 $1e-7$

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



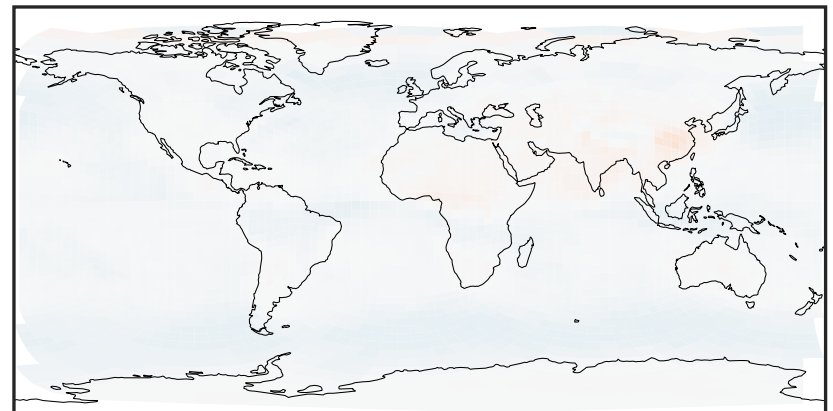
-1.5 0.0 1.5
s-1 $1e-7$

Ratio
Dev/Ref, Dynamic Range



0.9045 0.9523 1.0000 1.0528 1.1055
unitless

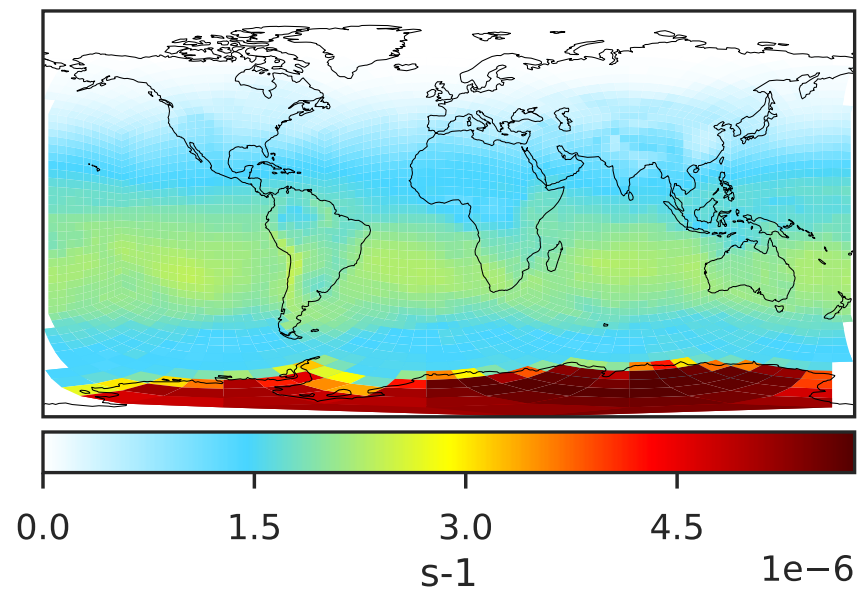
Ratio
Dev/Ref, Fixed Range



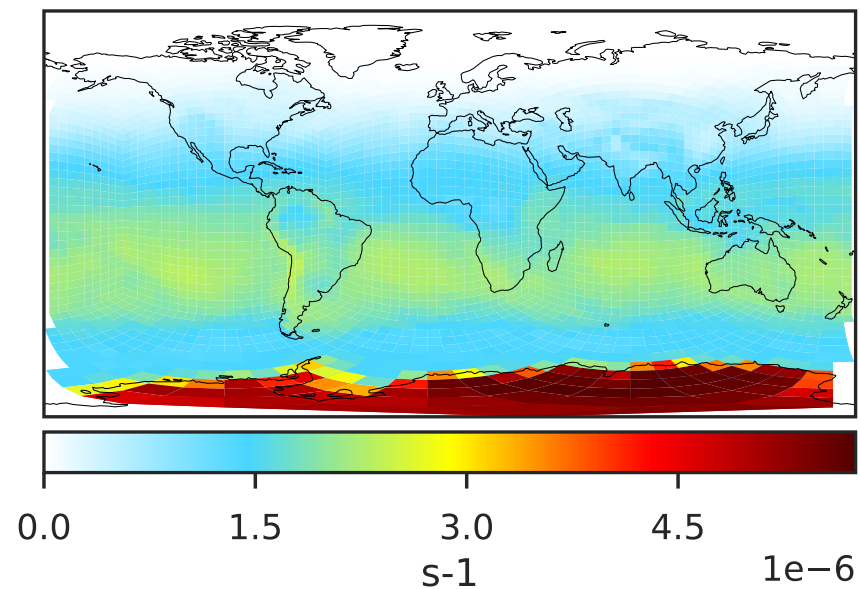
0.50 0.75 1.00 1.50 2.00
unitless

Jval_BENZP (Jan2019)

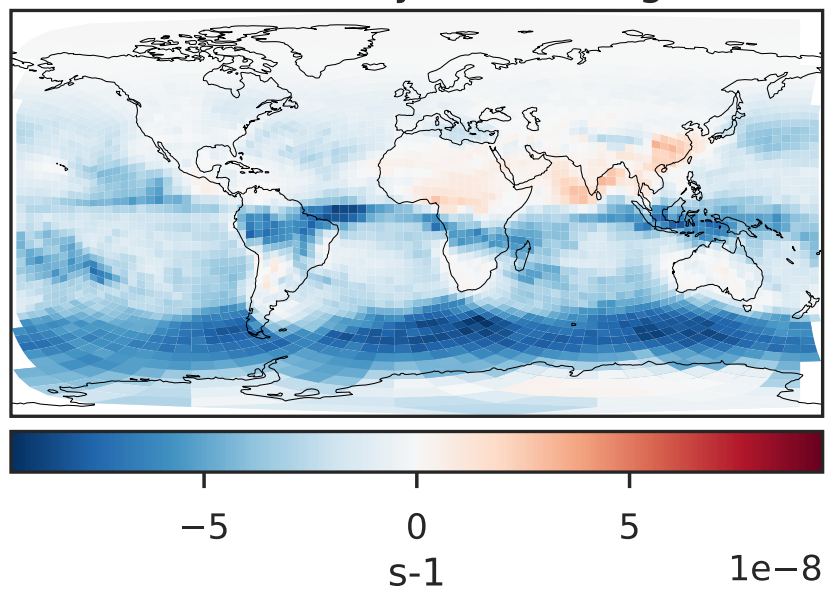
14.2.0-rc.2 (Ref)
c24



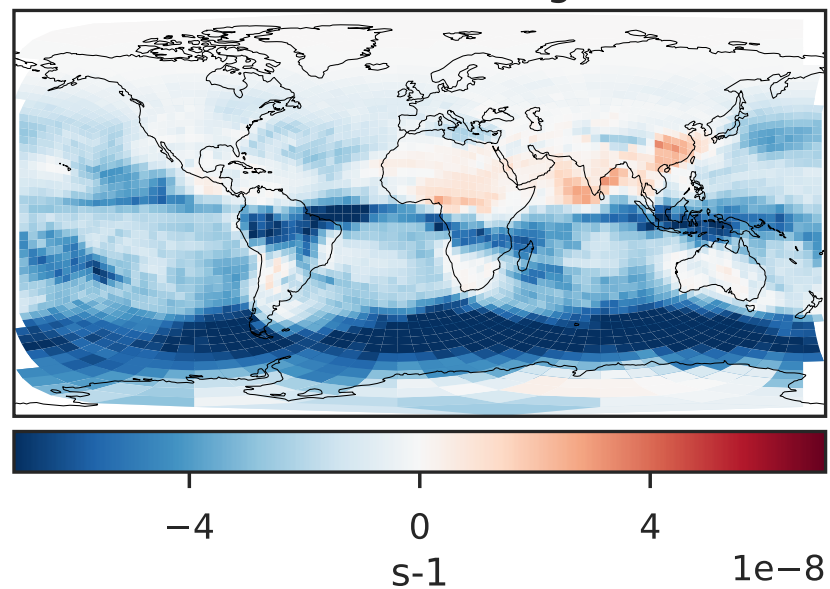
14.3.0-rc.0 (Dev)
c24



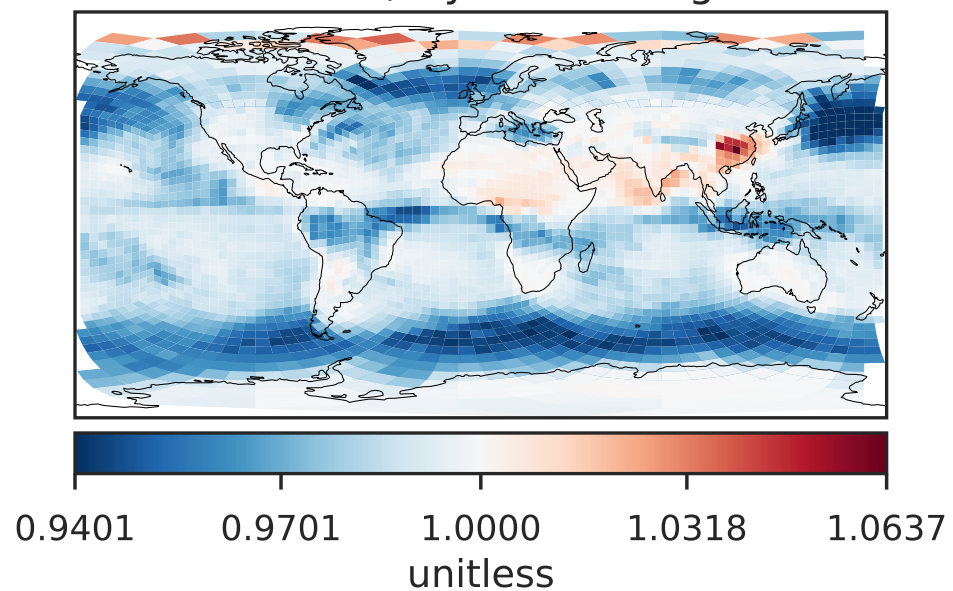
Difference
Dev - Ref, Dynamic Range



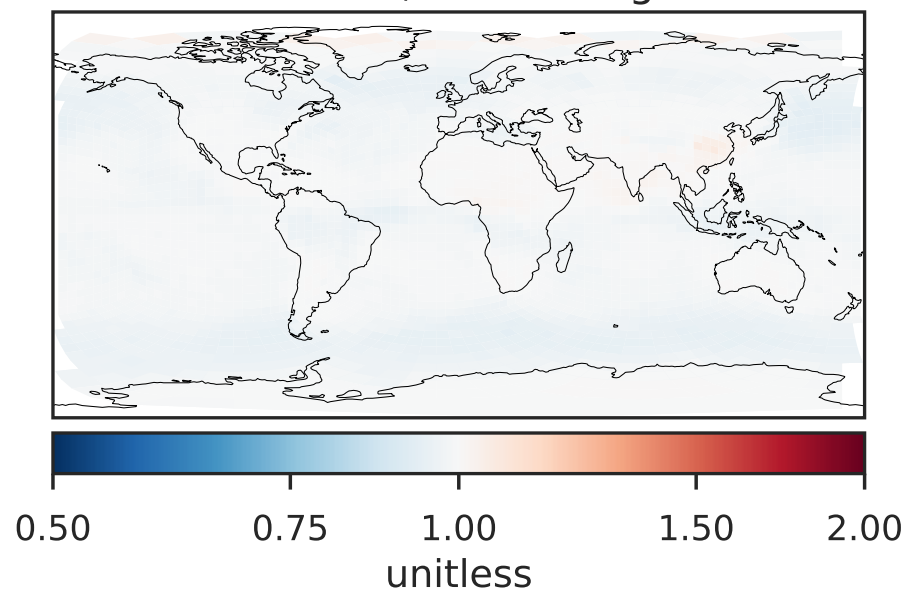
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

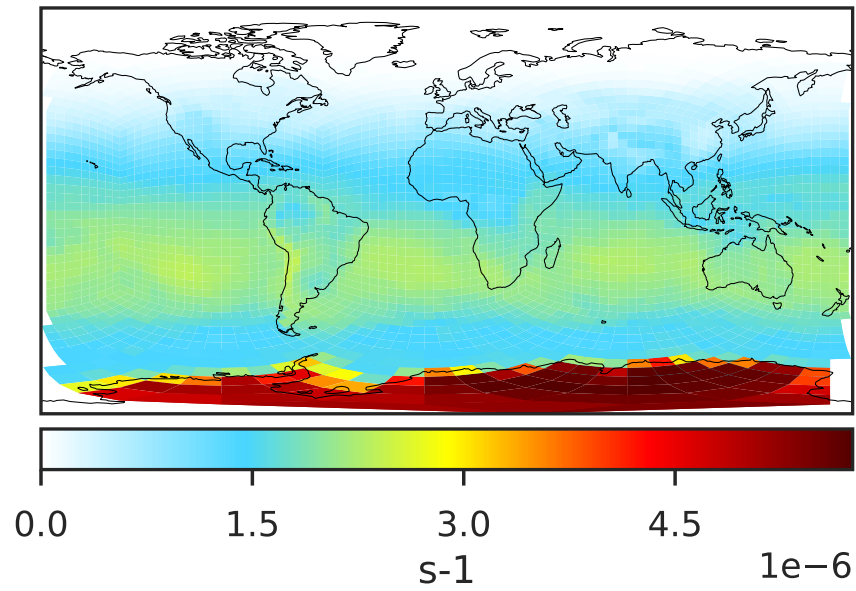


Ratio
Dev/Ref, Fixed Range

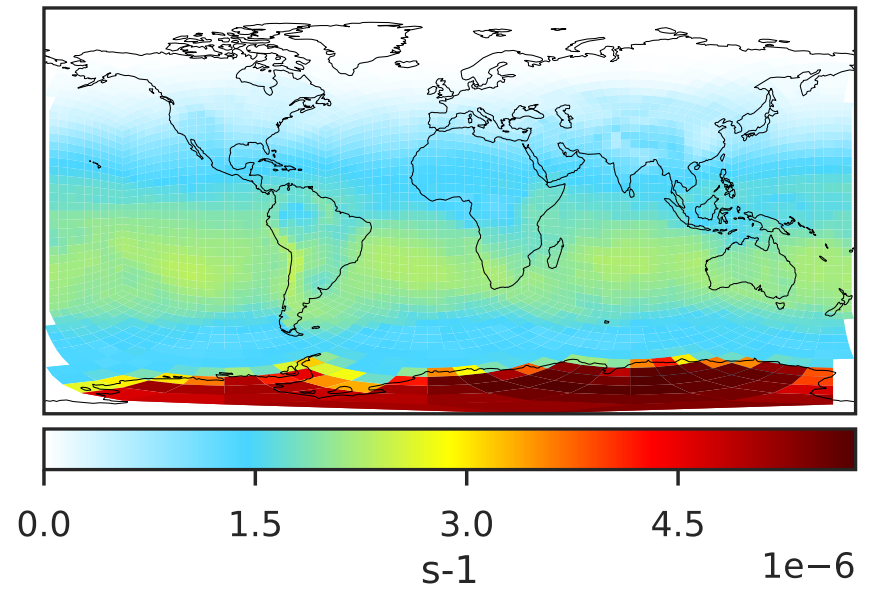


Jval_BZCO3H (Jan2019)

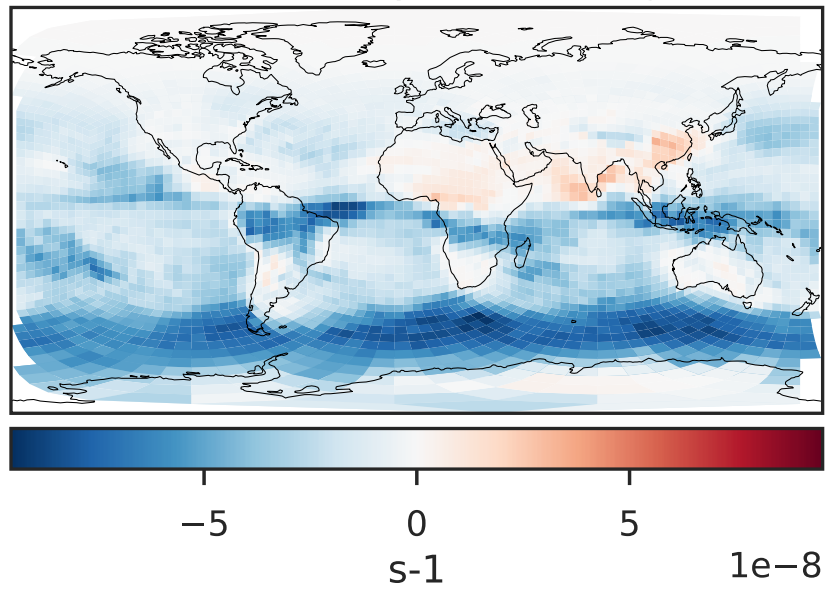
14.2.0-rc.2 (Ref)
c24



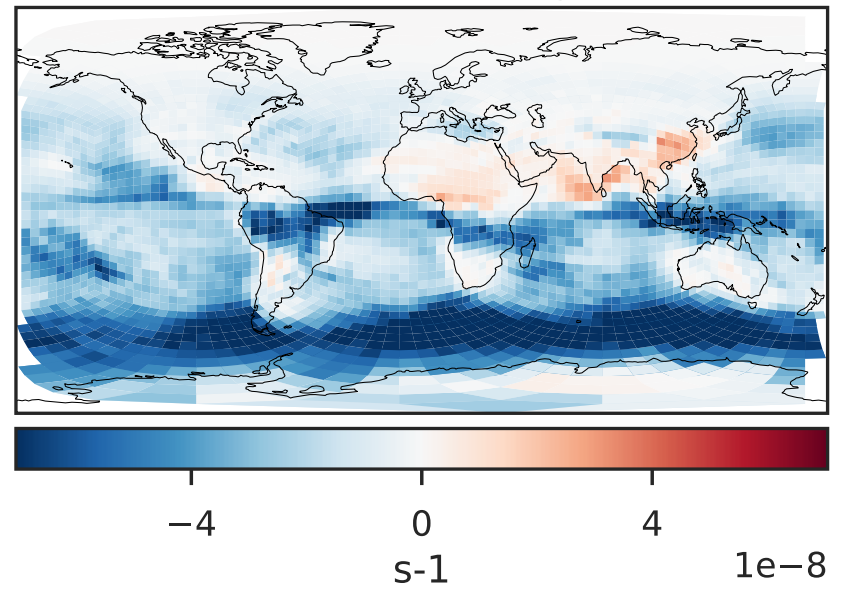
14.3.0-rc.0 (Dev)
c24



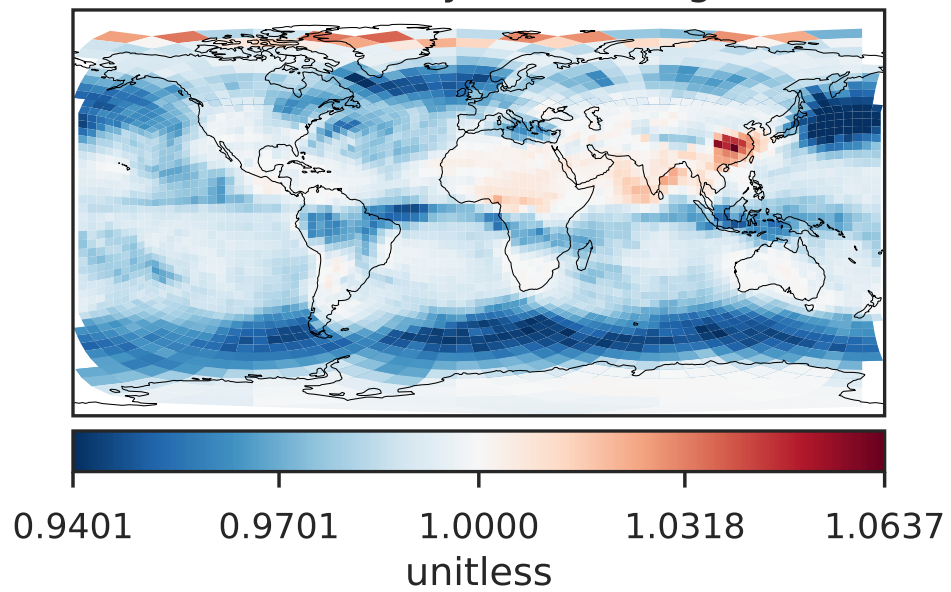
Difference
Dev - Ref, Dynamic Range



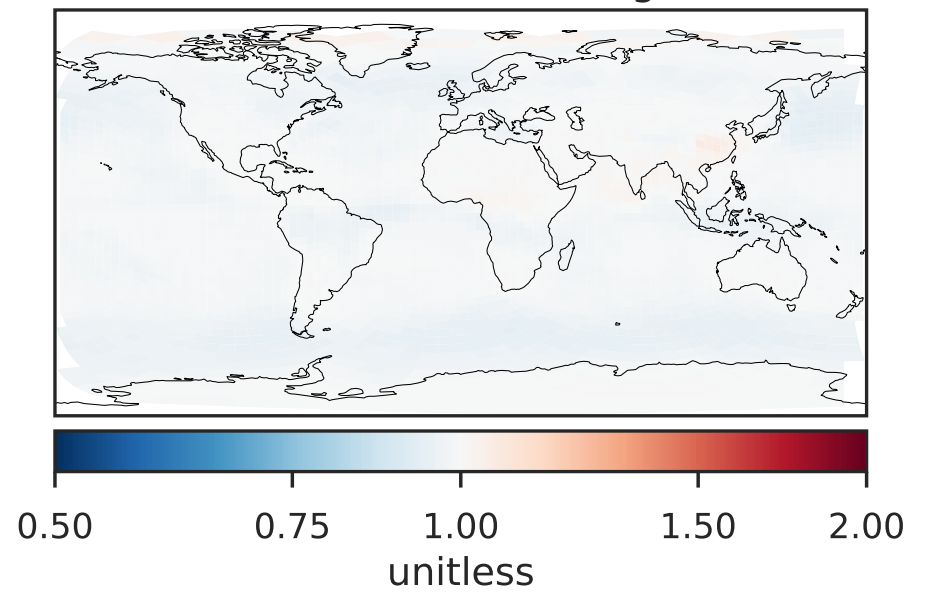
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

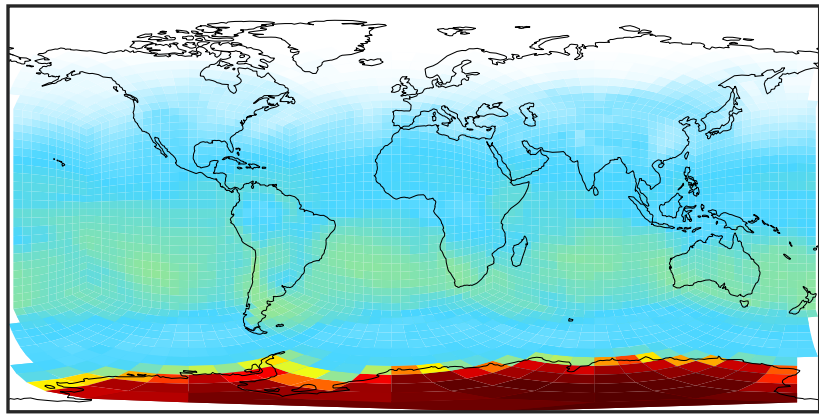


Ratio
Dev/Ref, Fixed Range



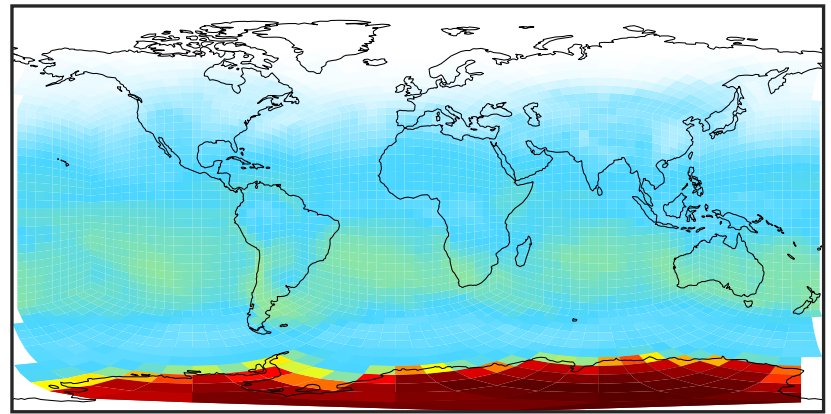
Jval_Br2 (Jan2019)

14.2.0-rc.2 (Ref)
c24



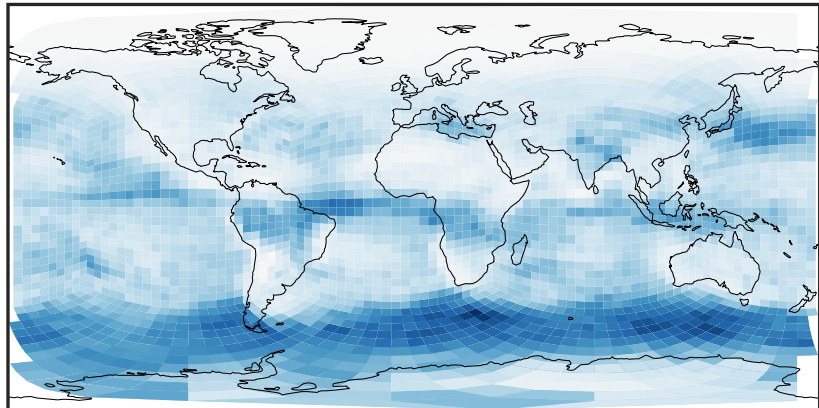
0.000 0.015 0.030 0.045
s-1

14.3.0-rc.0 (Dev)
c24



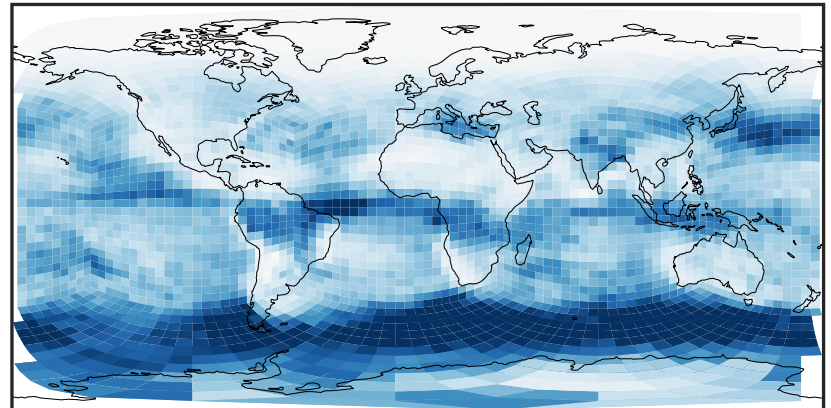
0.000 0.015 0.030 0.045
s-1

Difference
Dev - Ref, Dynamic Range



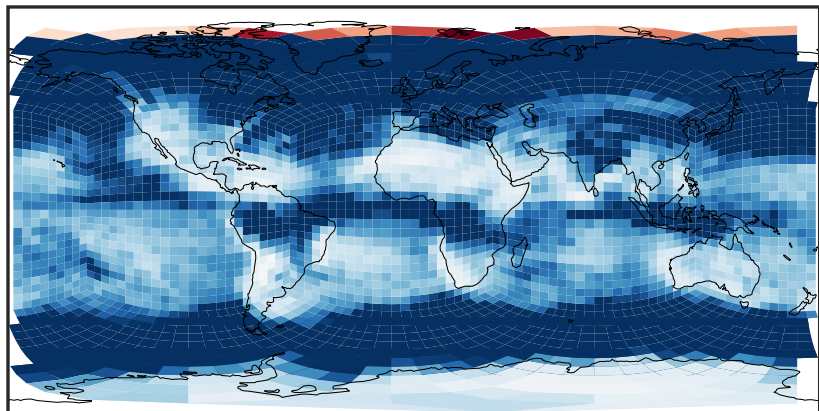
-0.0006 0.0000 0.0006
s-1

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



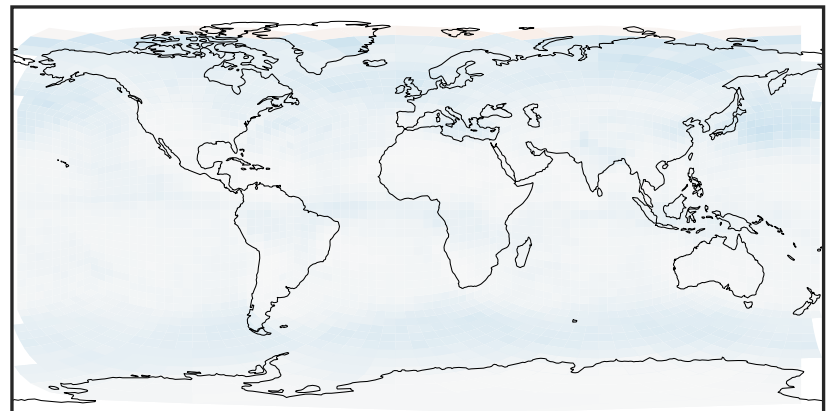
-0.0004 0.0000 0.0004
s-1

Ratio
Dev/Ref, Dynamic Range



0.95772 0.97886 1.00000 1.02207 1.04414
unitless

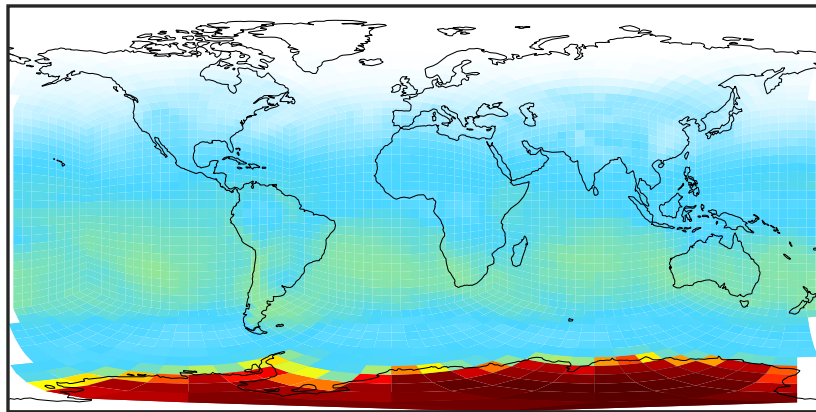
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

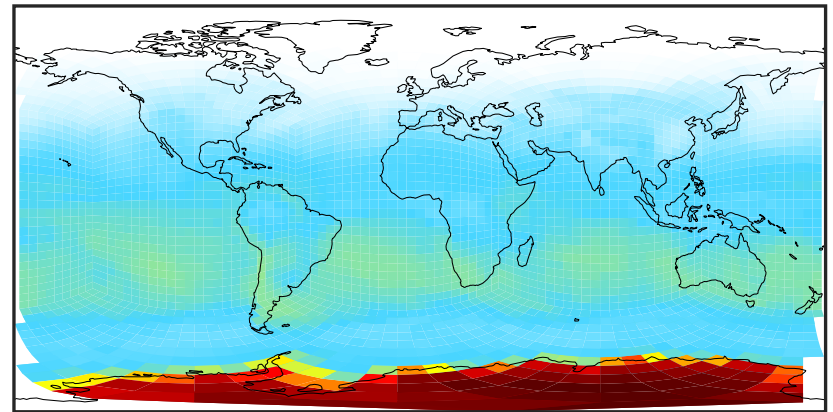
Jval_BrCl (Jan2019)

14.2.0-rc.2 (Ref)
c24



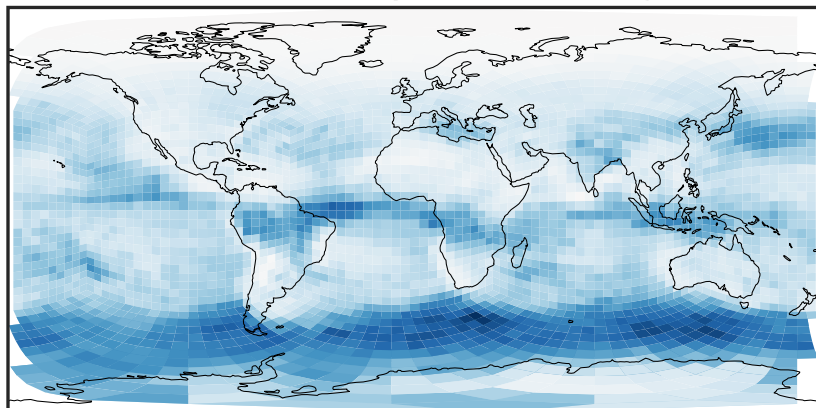
0.000 0.004 0.008 0.012
s-1

14.3.0-rc.0 (Dev)
c24



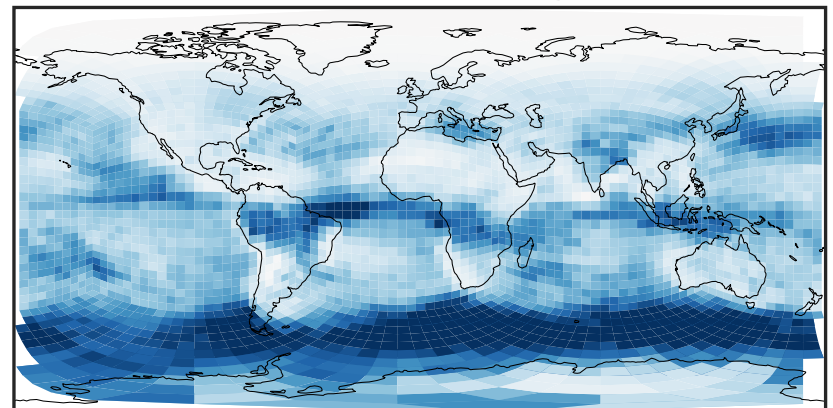
0.000 0.004 0.008 0.012
s-1

Difference
Dev - Ref, Dynamic Range



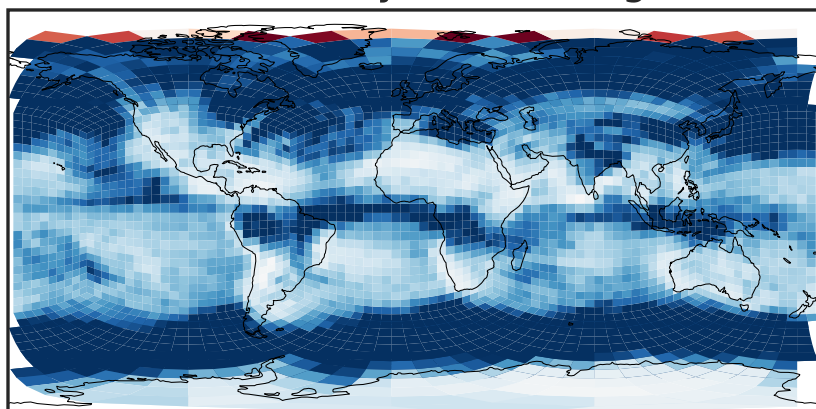
-0.00015 0.00000 0.00015
s-1

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



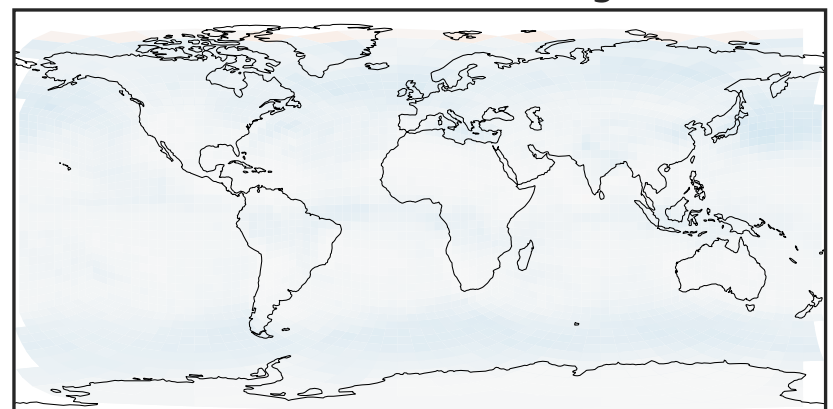
-0.00015 0.00000 0.00015
s-1

Ratio
Dev/Ref, Dynamic Range



0.95588 0.97794 1.00000 1.02308 1.04615
unitless

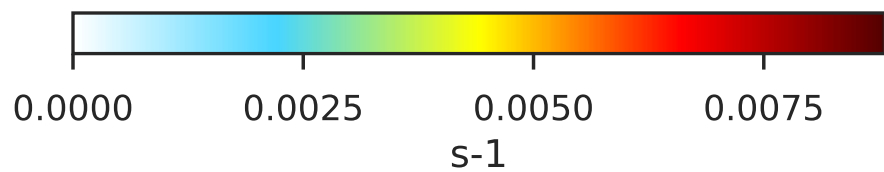
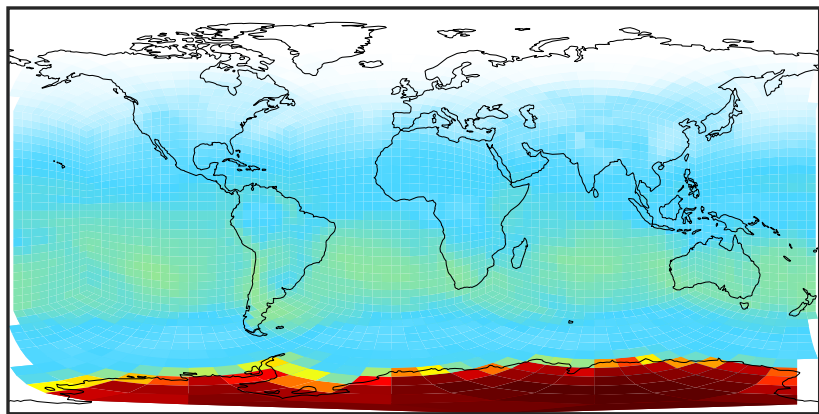
Ratio
Dev/Ref, Fixed Range



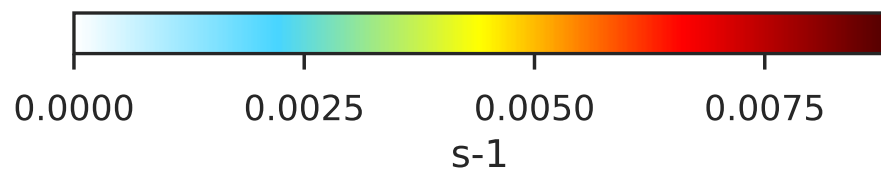
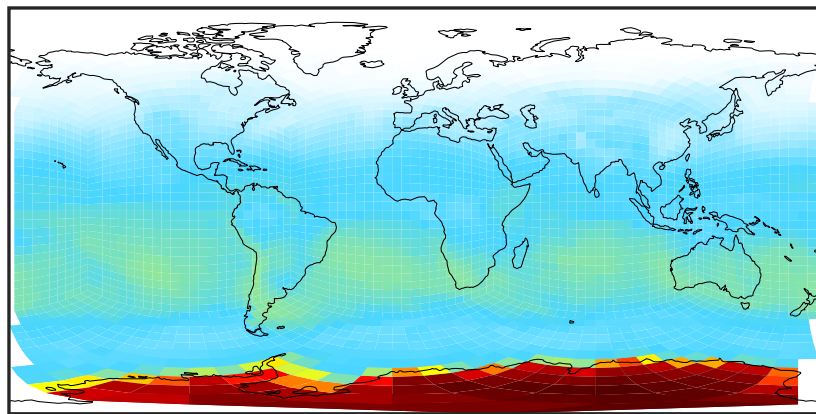
0.50 0.75 1.00 1.50 2.00
unitless

Jval_BrNO2 (Jan2019)

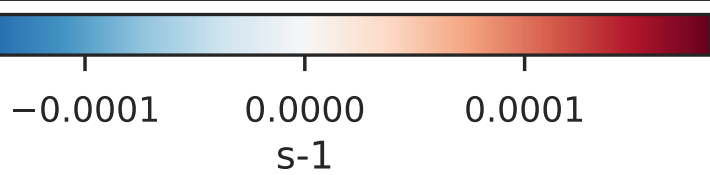
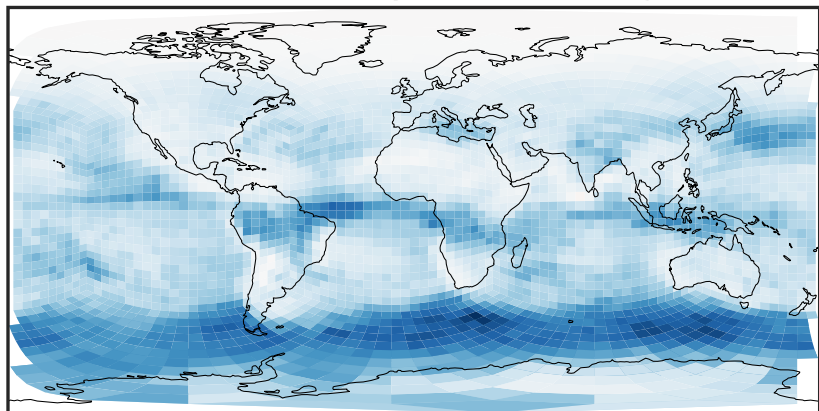
14.2.0-rc.2 (Ref)
c24



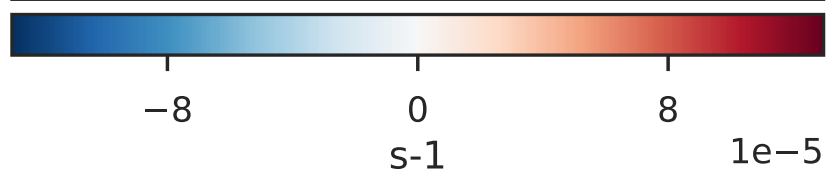
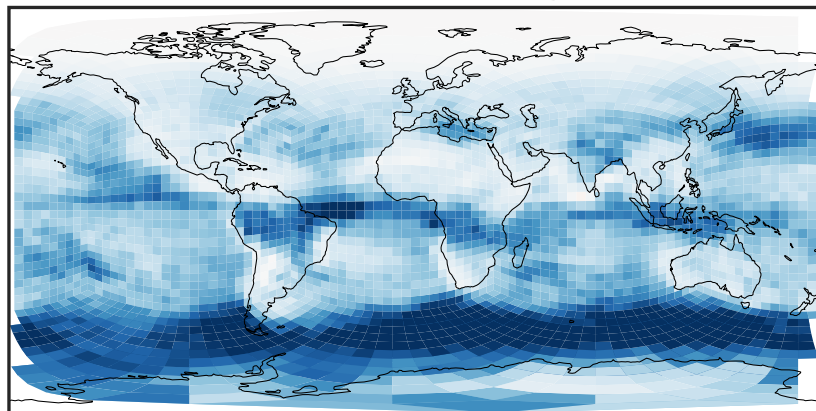
14.3.0-rc.0 (Dev)
c24



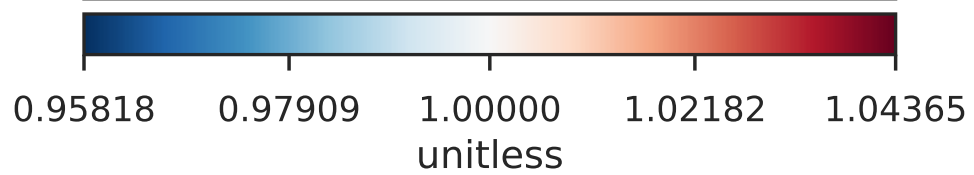
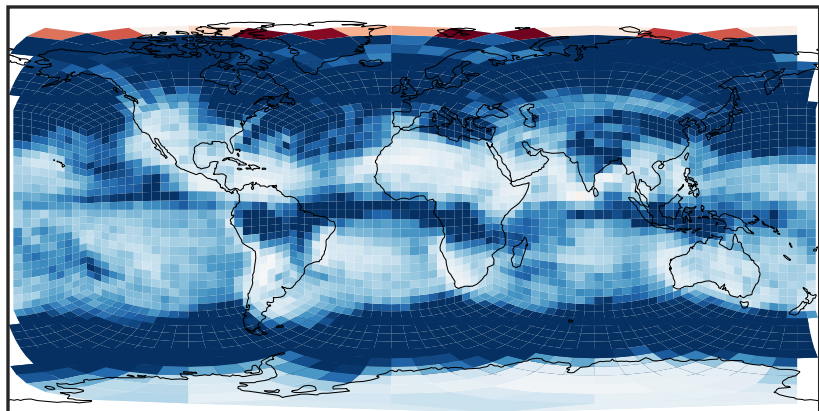
Difference
Dev - Ref, Dynamic Range



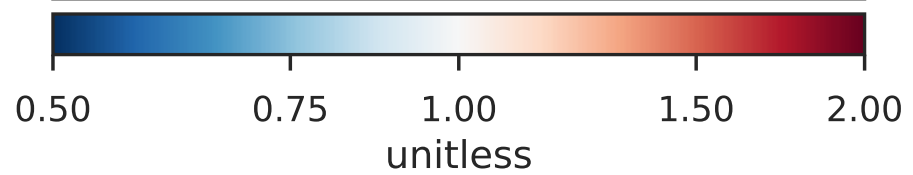
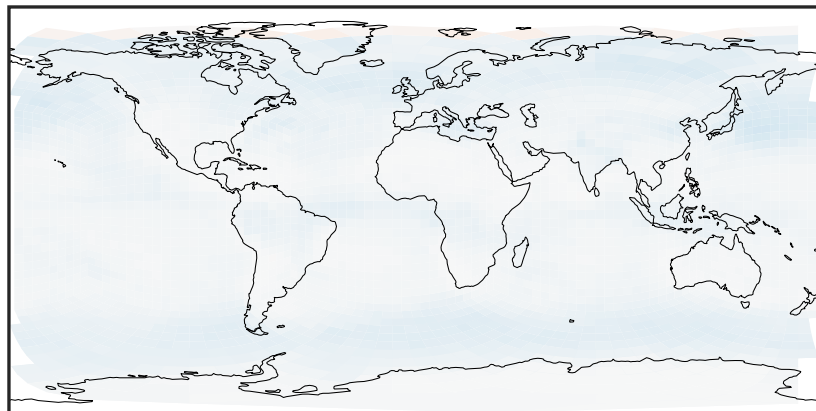
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

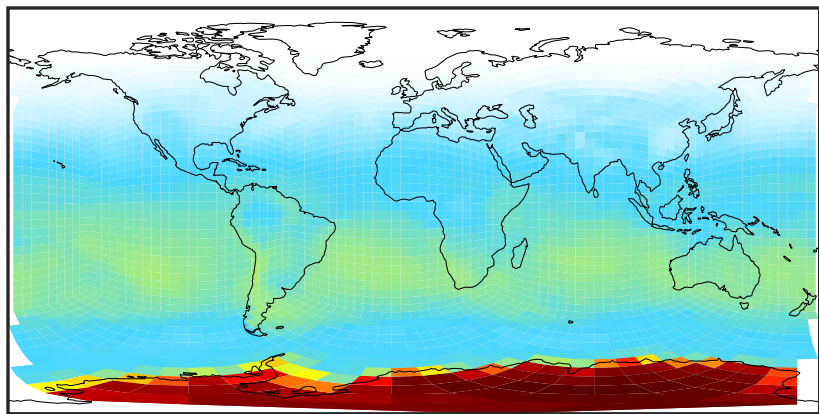


Ratio
Dev/Ref, Fixed Range



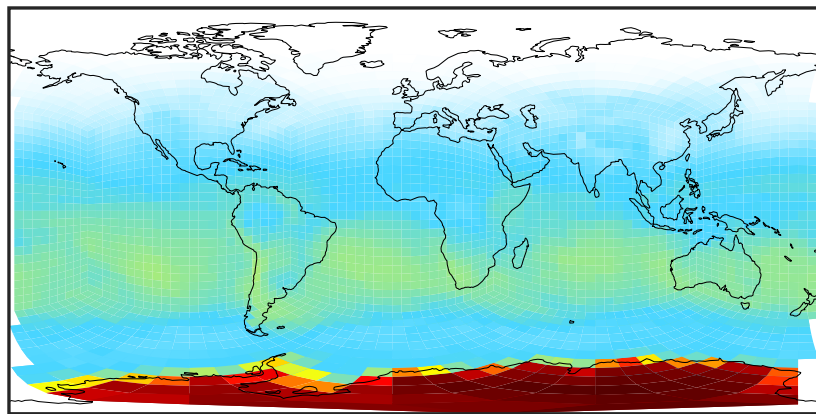
Jval_BrNO3 (Jan2019)

14.2.0-rc.2 (Ref)
c24



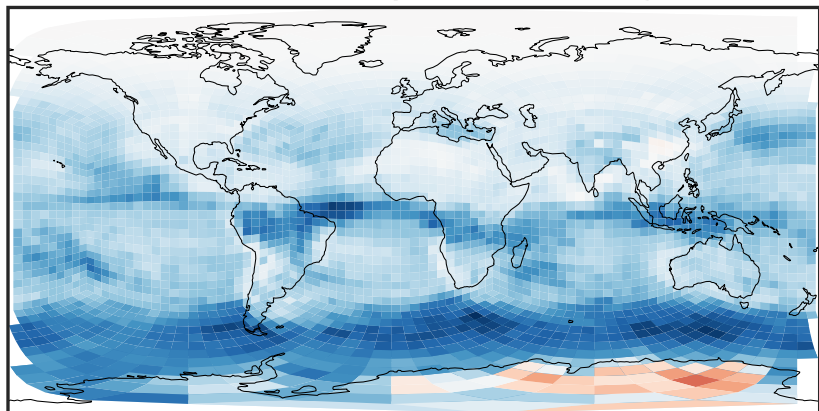
0.0000 0.0005 0.0010 0.0015
s-1

14.3.0-rc.0 (Dev)
c24



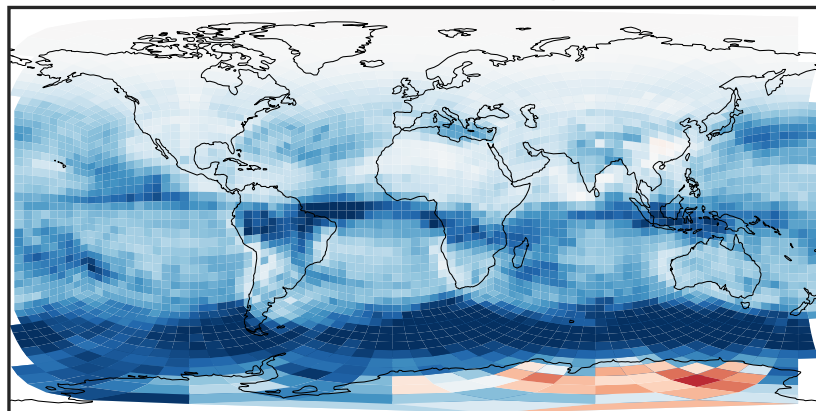
0.0000 0.0005 0.0010 0.0015
s-1

Difference
Dev - Ref, Dynamic Range



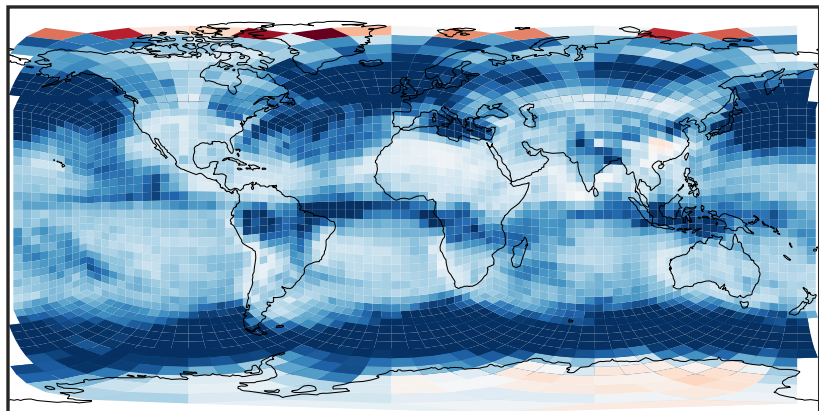
-2 0 2
s-1 1e-5

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



-1.5 0.0 1.5
s-1 1e-5

Ratio
Dev/Ref, Dynamic Range



0.9490 0.9745 1.0000 1.0268 1.0537
unitless

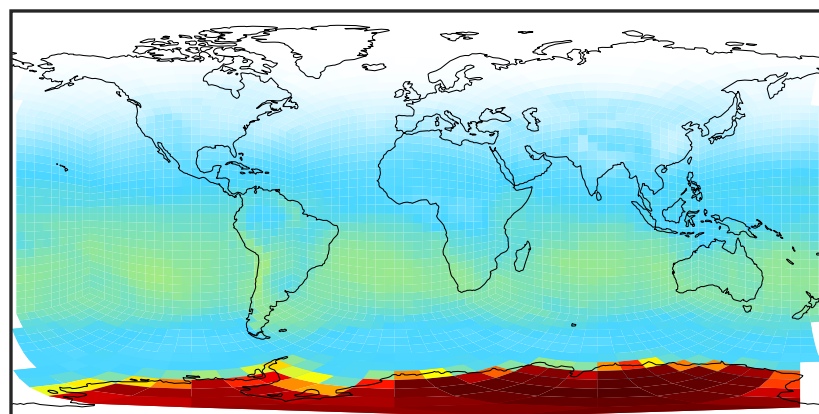
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

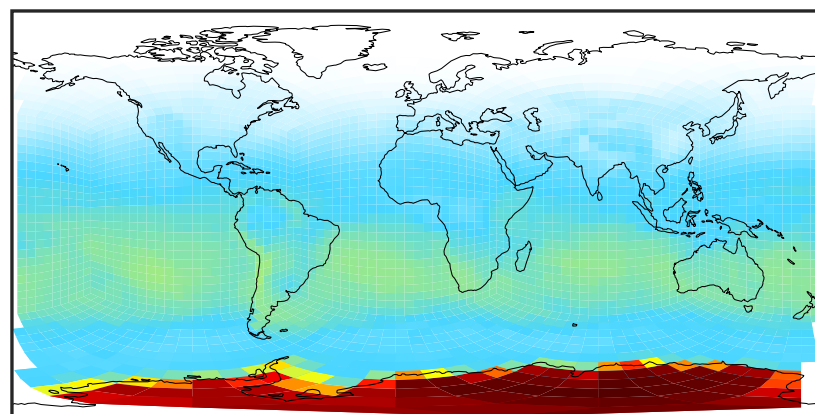
Jval_BrO (Jan2019)

14.2.0-rc.2 (Ref)
c24



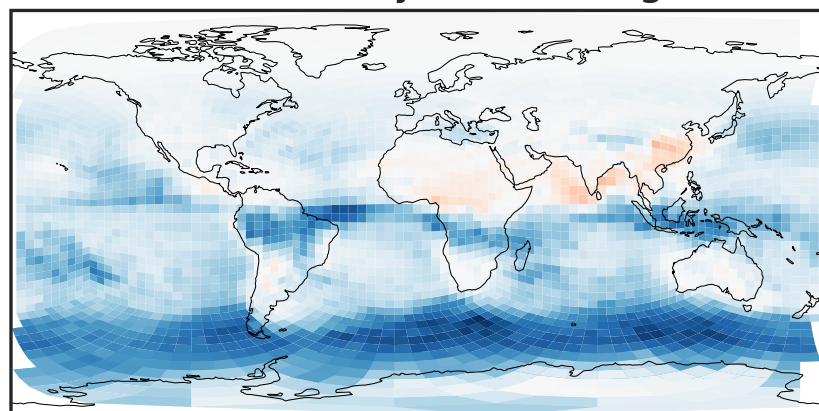
0.000 0.015 0.030
s-1

14.3.0-rc.0 (Dev)
c24



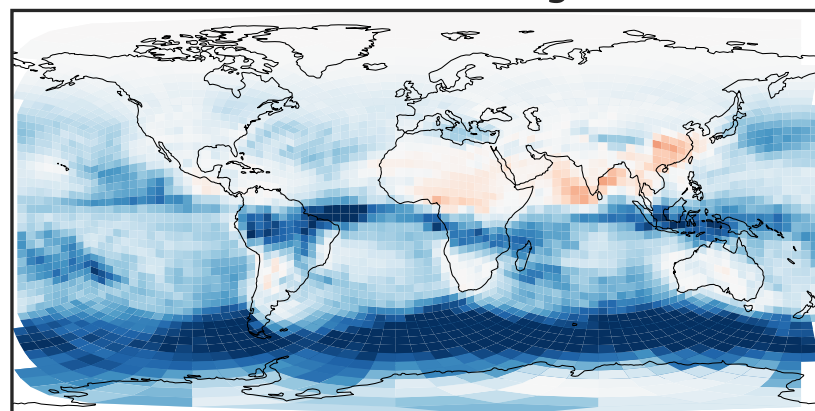
0.000 0.015 0.030
s-1

Difference
Dev - Ref, Dynamic Range



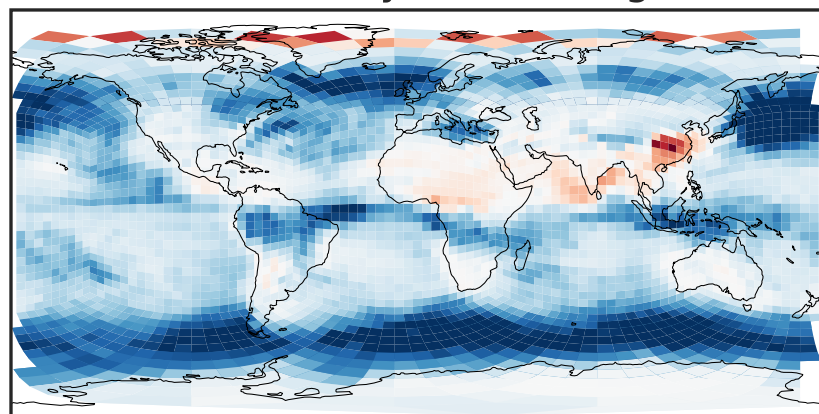
-0.0004 0.0000 0.0004
s-1

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



-0.0003 0.0000 0.0003
s-1

Ratio
Dev/Ref, Dynamic Range



0.9484 0.9742 1.0000 1.0272 1.0544
unitless

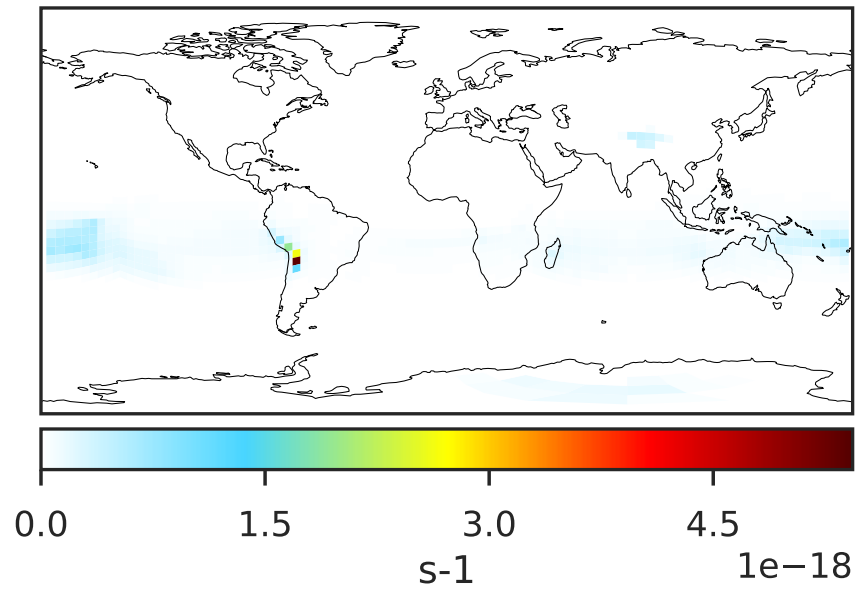
Ratio
Dev/Ref, Fixed Range



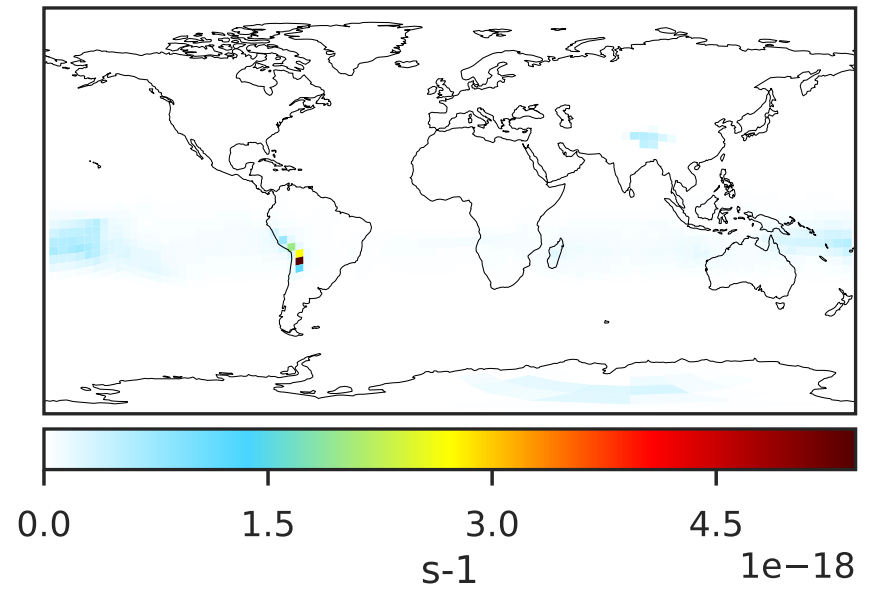
0.50 0.75 1.00 1.50 2.00
unitless

Jval_CCl4 (Jan2019)

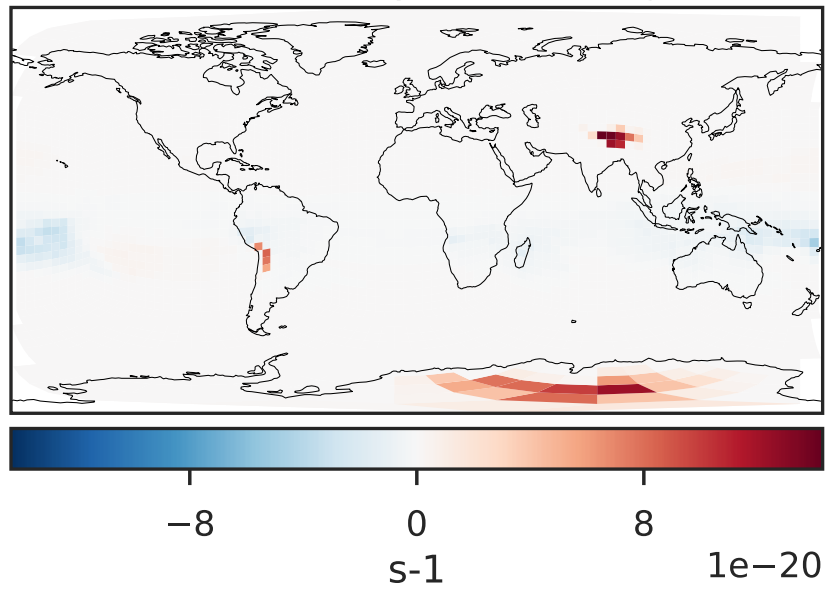
14.2.0-rc.2 (Ref)
c24



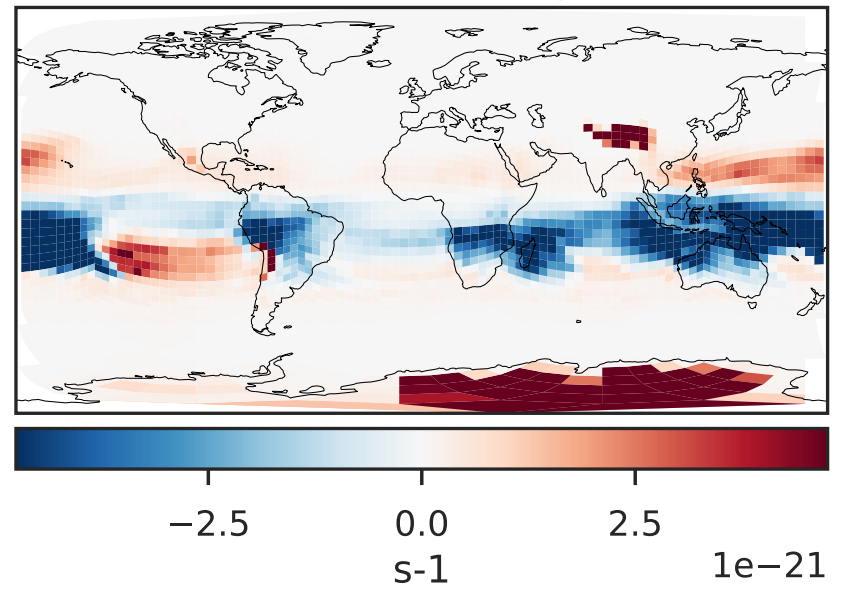
14.3.0-rc.0 (Dev)
c24



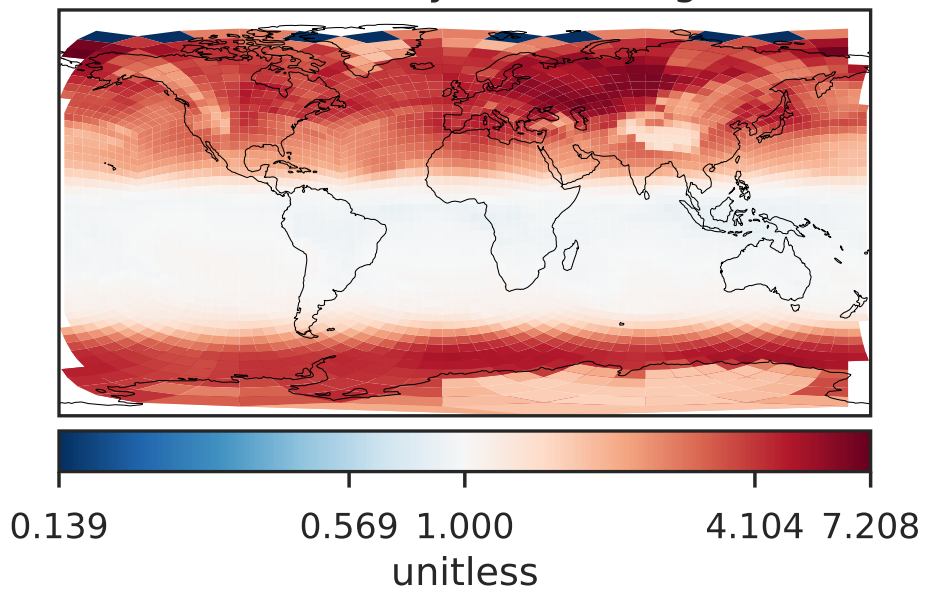
Difference
Dev - Ref, Dynamic Range



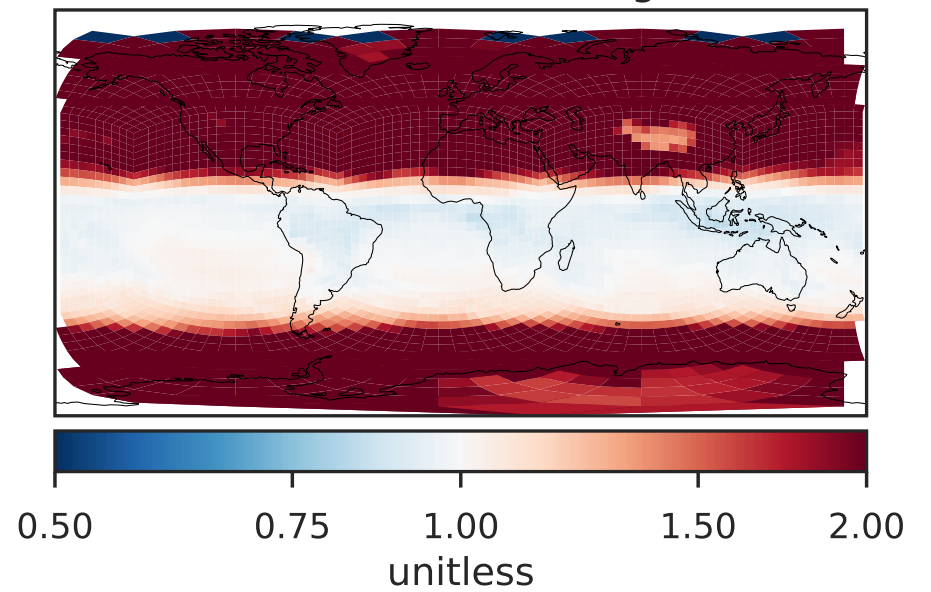
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

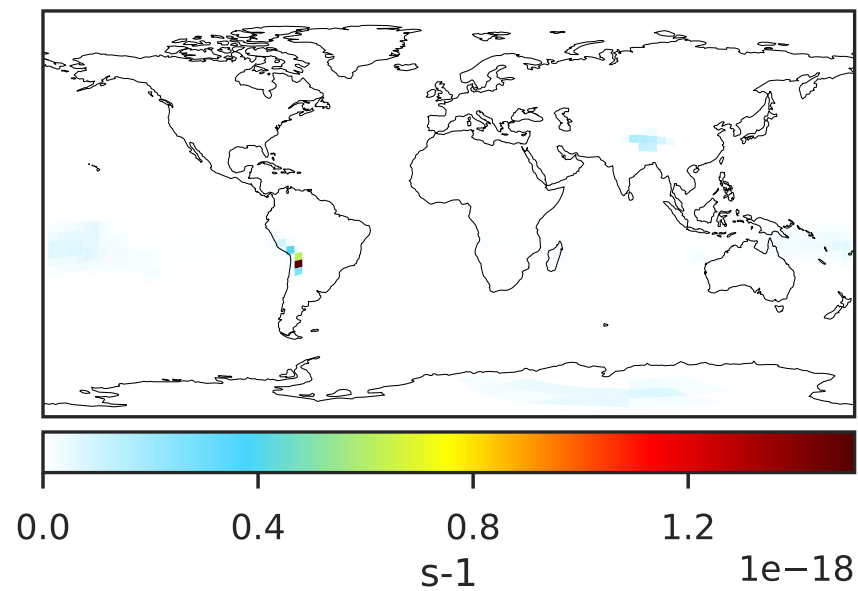


Ratio
Dev/Ref, Fixed Range

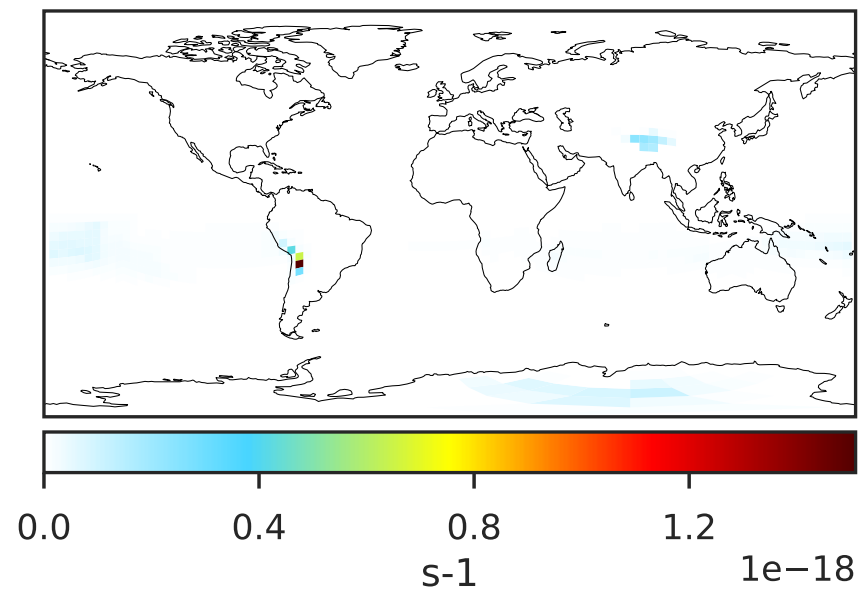


Jval_CFC11 (Jan2019)

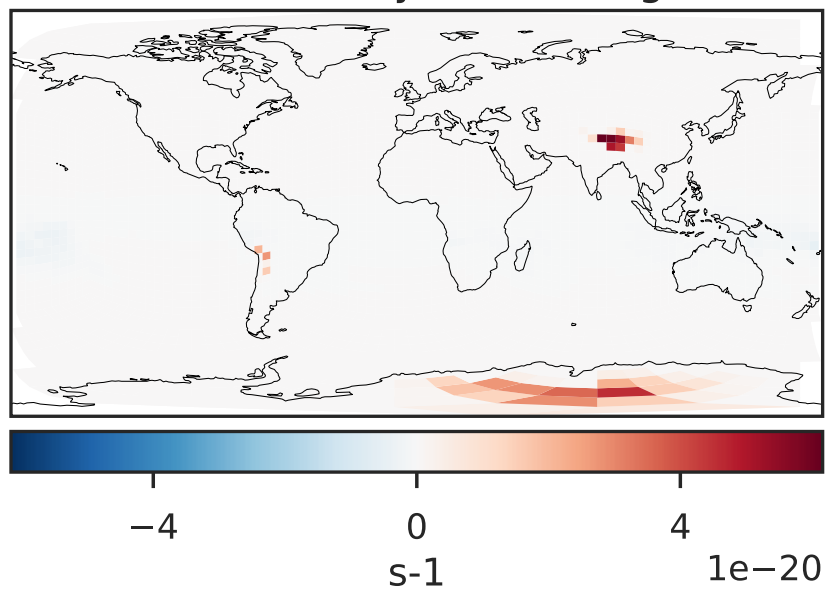
14.2.0-rc.2 (Ref)
c24



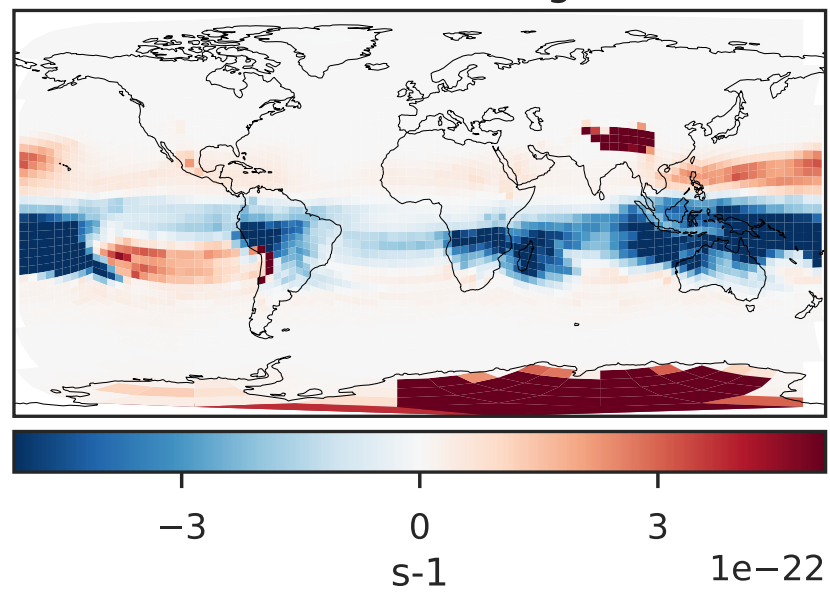
14.3.0-rc.0 (Dev)
c24



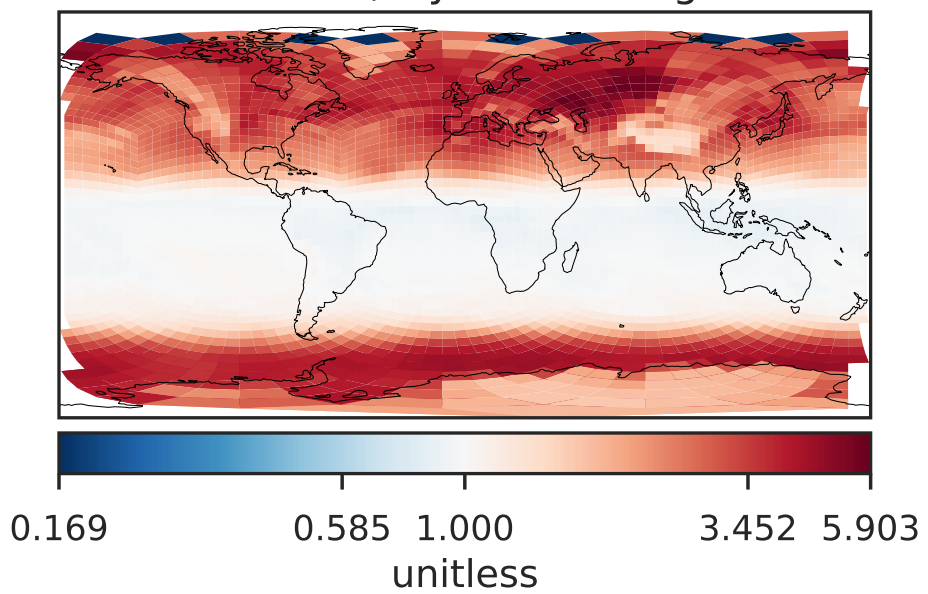
Difference
Dev - Ref, Dynamic Range



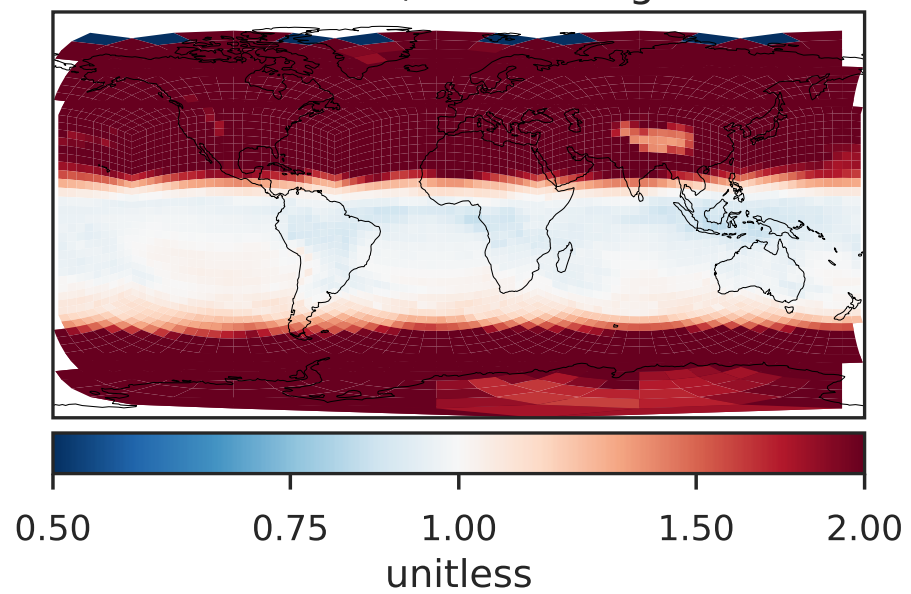
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

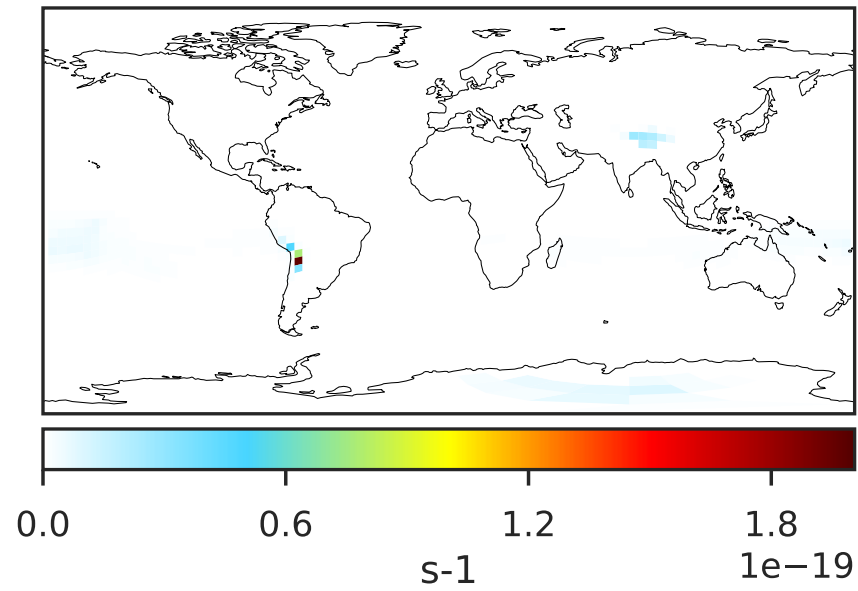


Ratio
Dev/Ref, Fixed Range

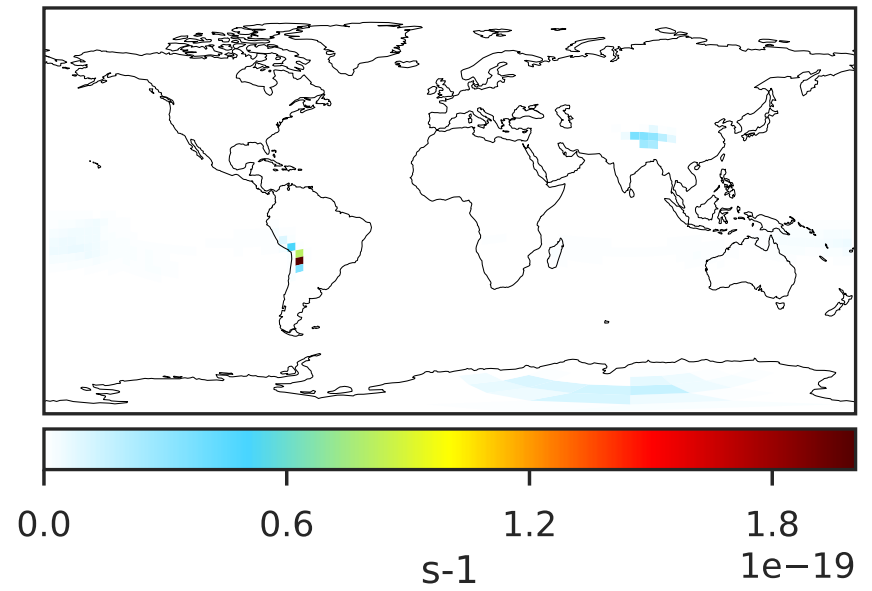


Jval_CFC113 (Jan2019)

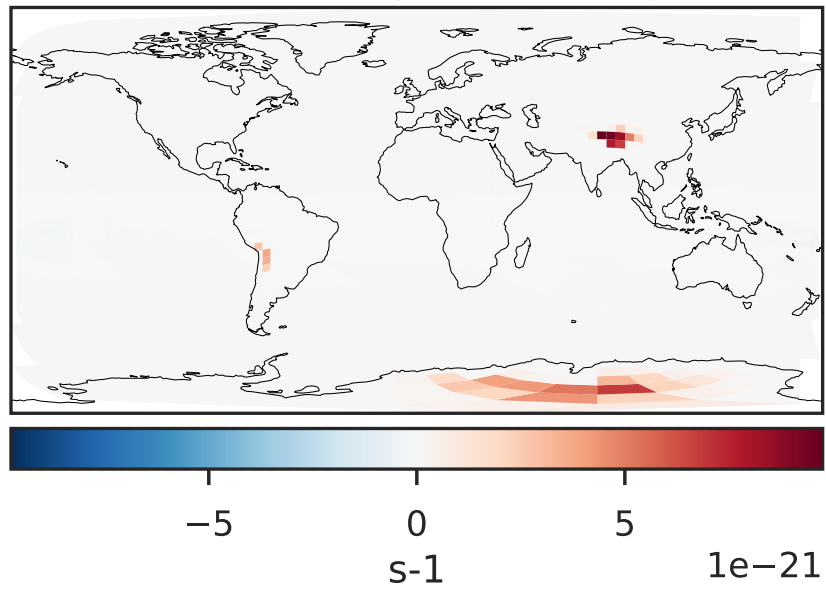
14.2.0-rc.2 (Ref)
c24



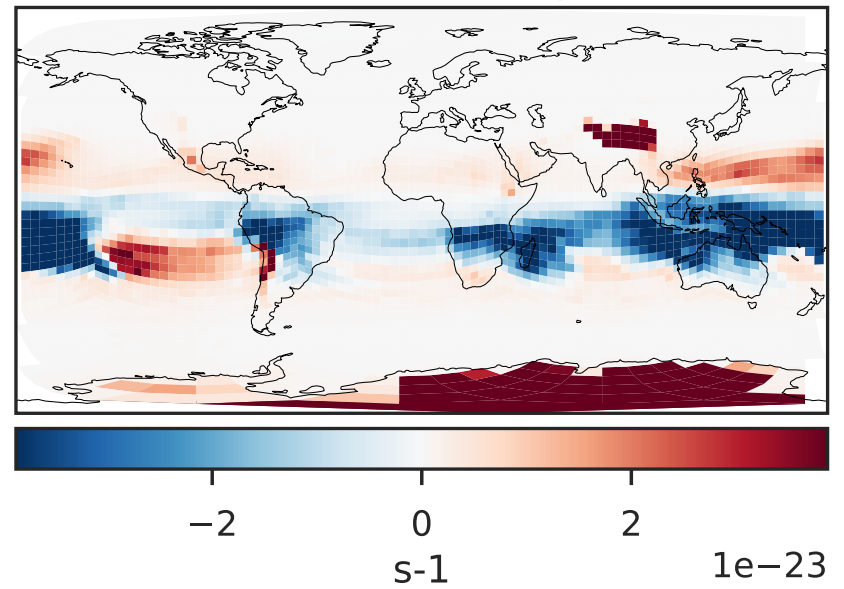
14.3.0-rc.0 (Dev)
c24



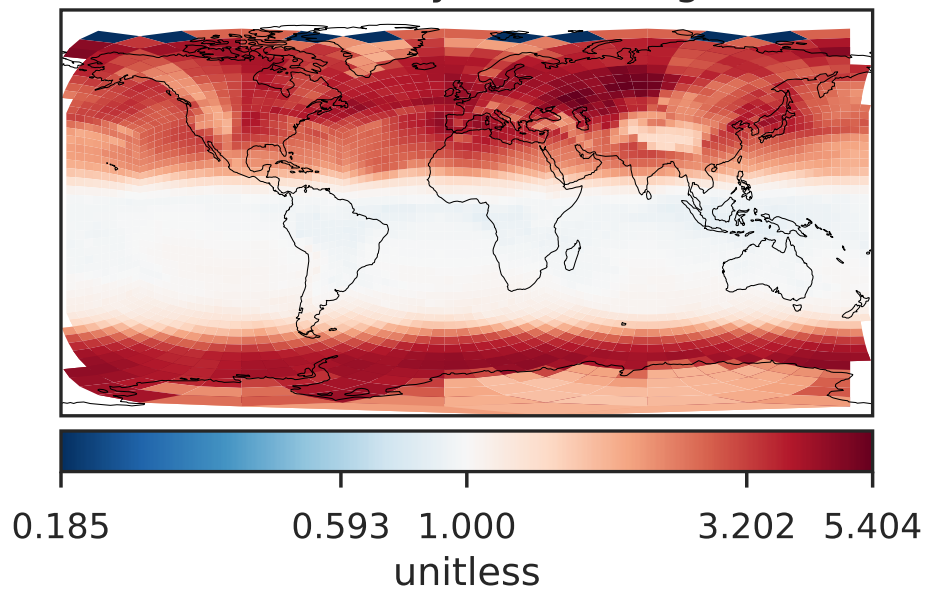
Difference
Dev - Ref, Dynamic Range



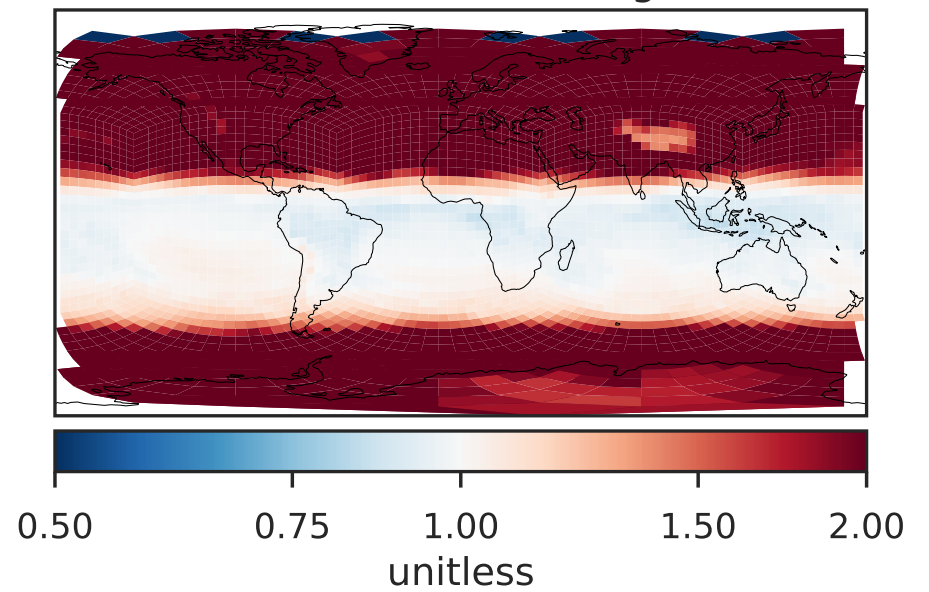
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

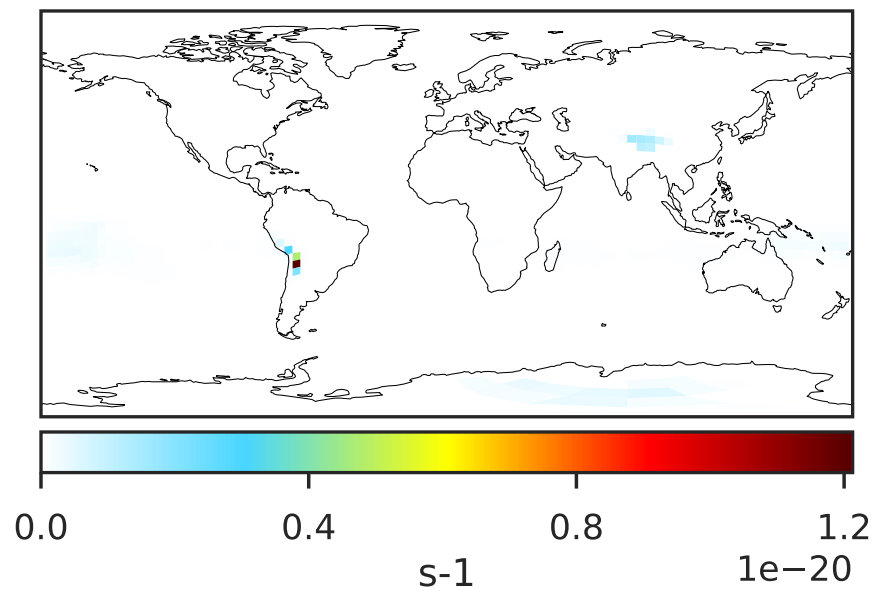


Ratio
Dev/Ref, Fixed Range

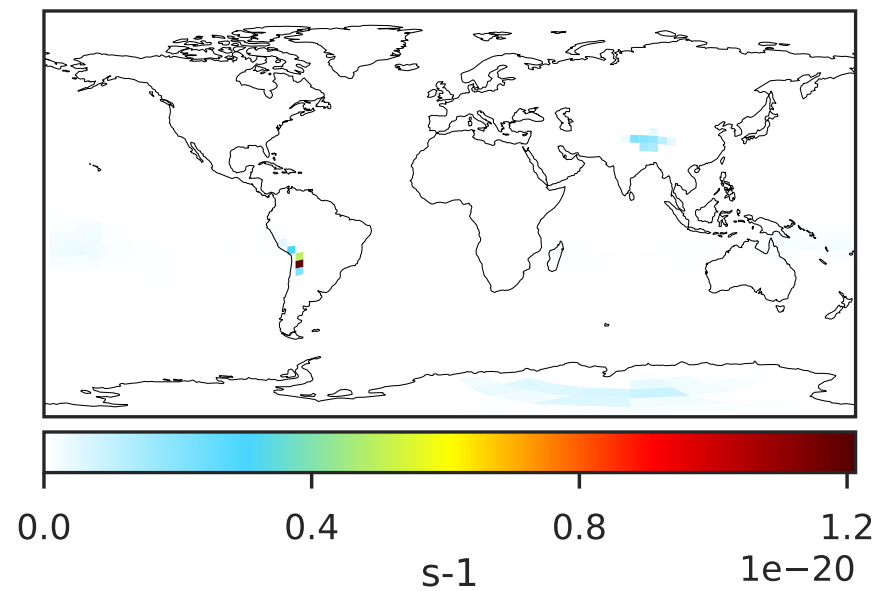


Jval_CFC114 (Jan2019)

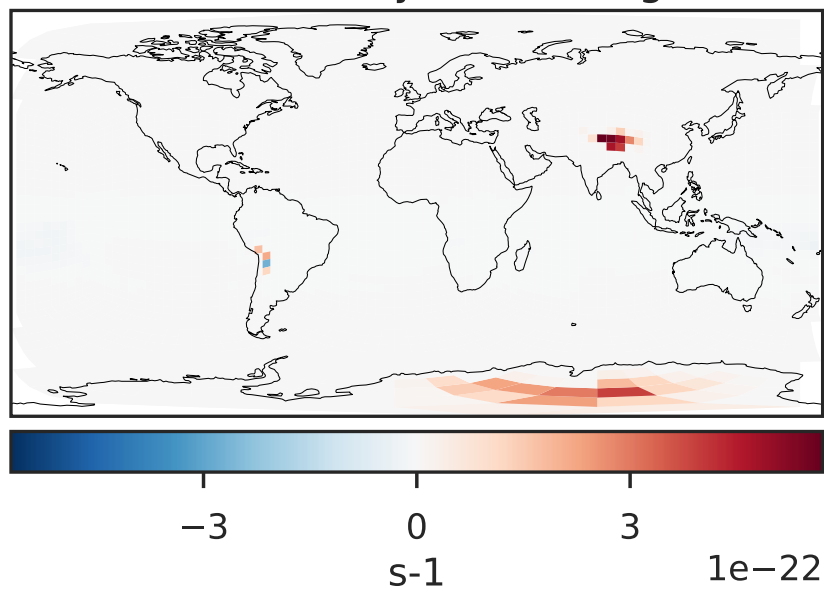
14.2.0-rc.2 (Ref)
c24



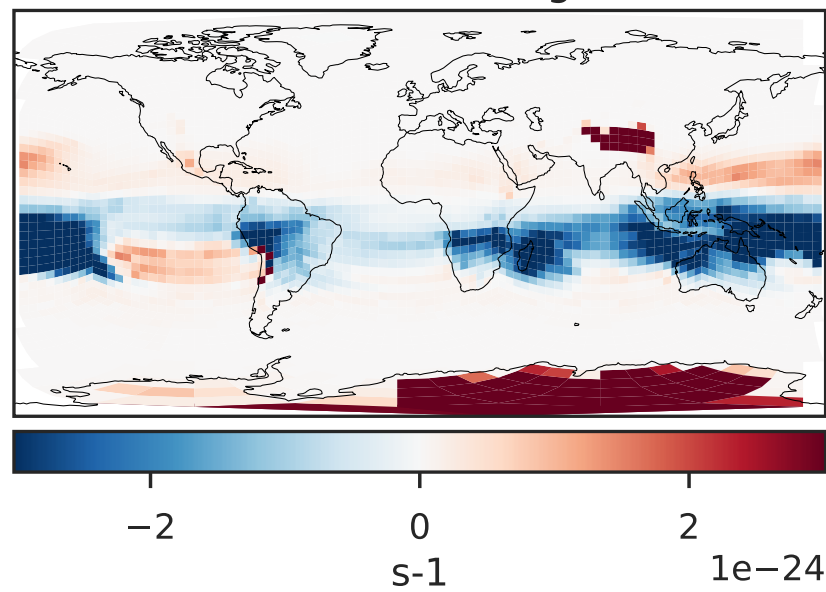
14.3.0-rc.0 (Dev)
c24



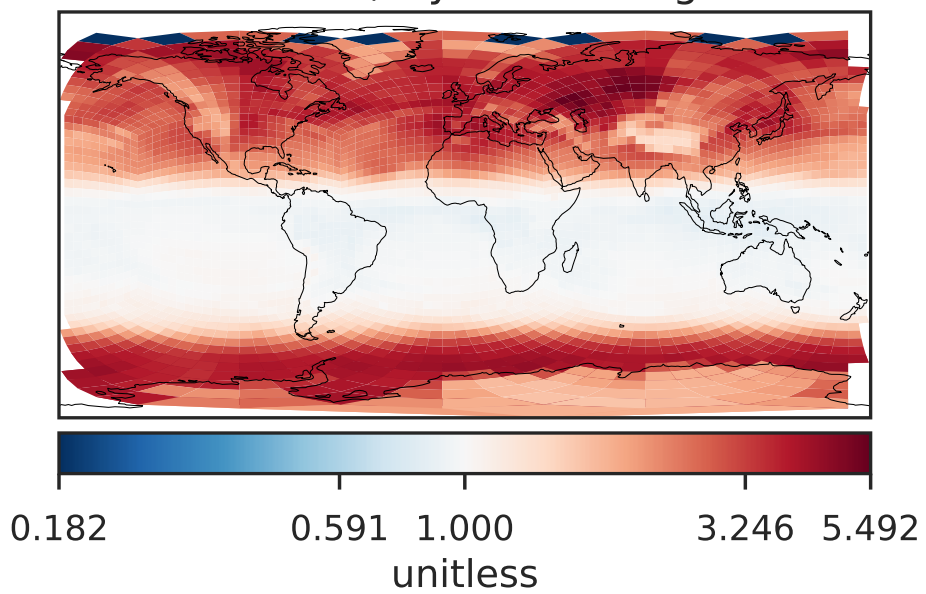
Difference
Dev - Ref, Dynamic Range



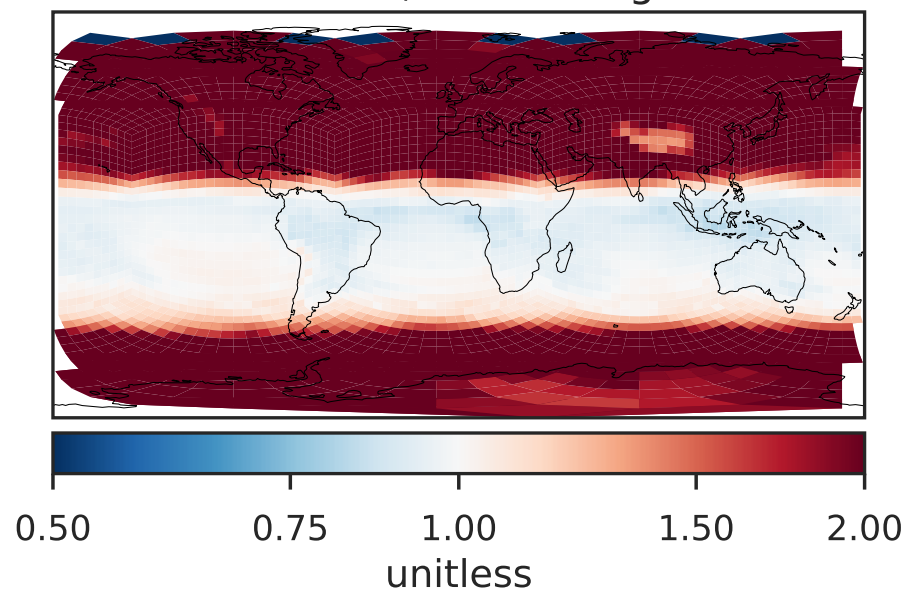
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

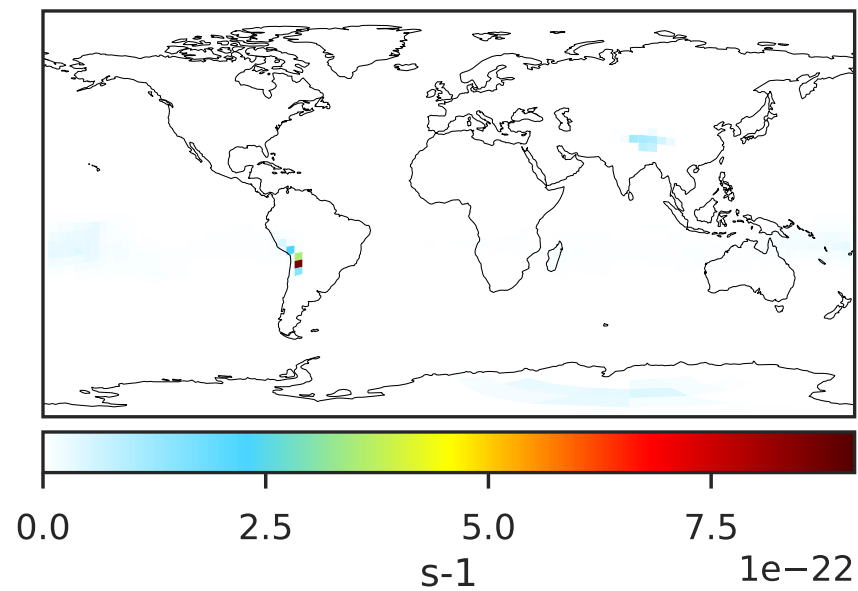


Ratio
Dev/Ref, Fixed Range

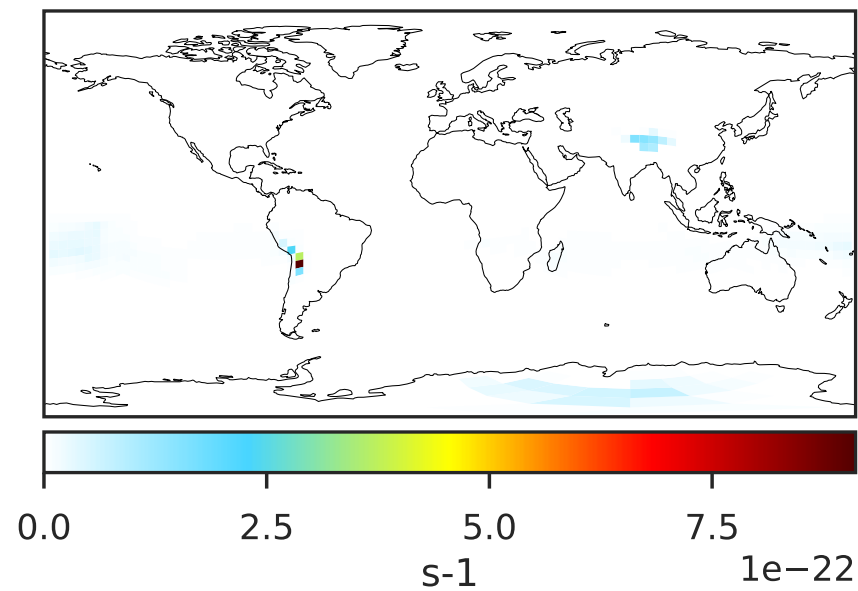


Jval_CFC115 (Jan2019)

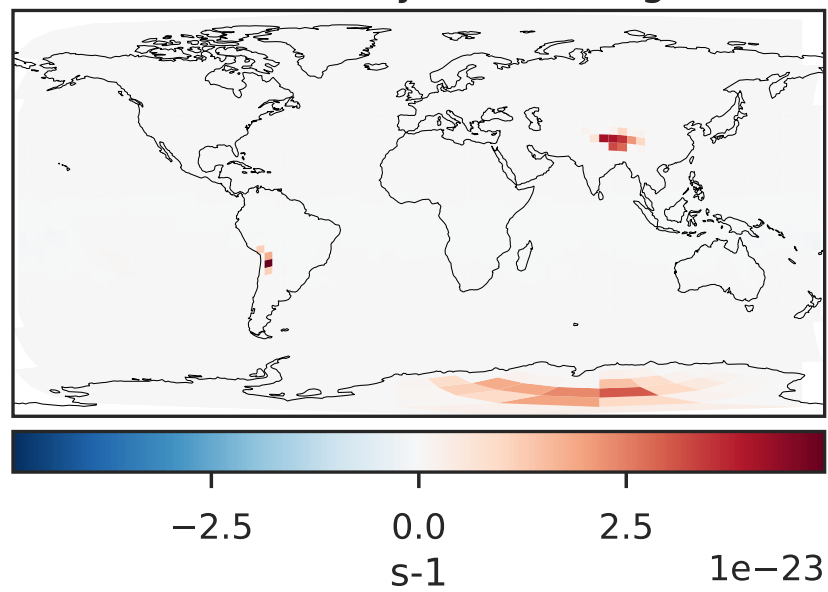
14.2.0-rc.2 (Ref)
c24



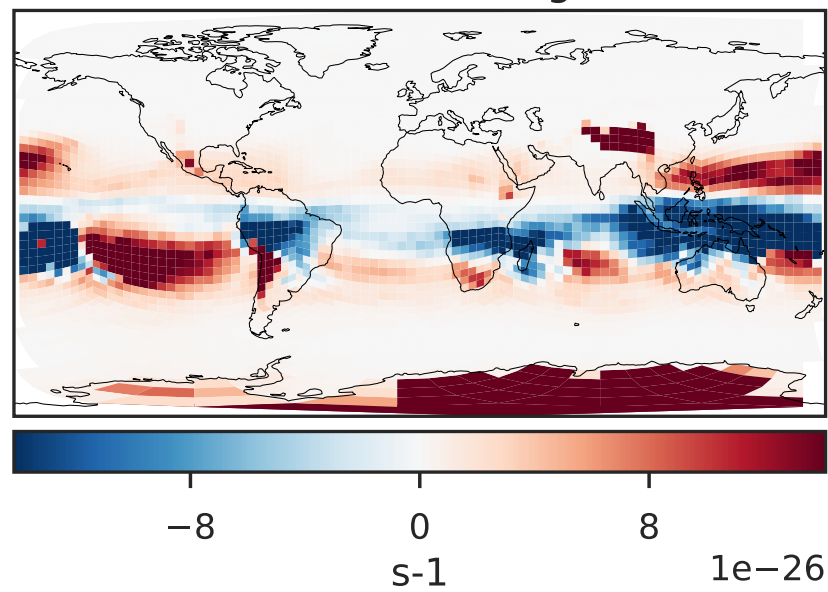
14.3.0-rc.0 (Dev)
c24



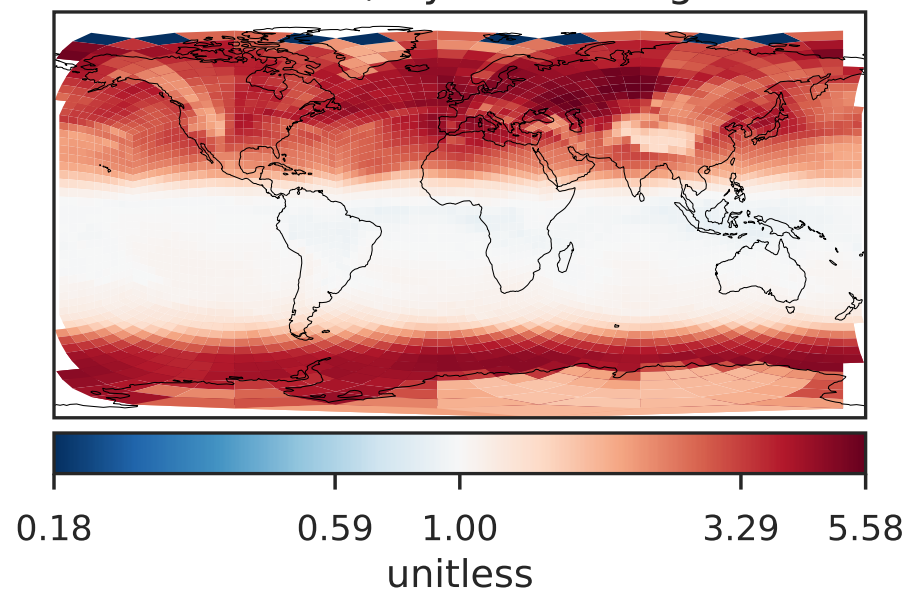
Difference
Dev - Ref, Dynamic Range



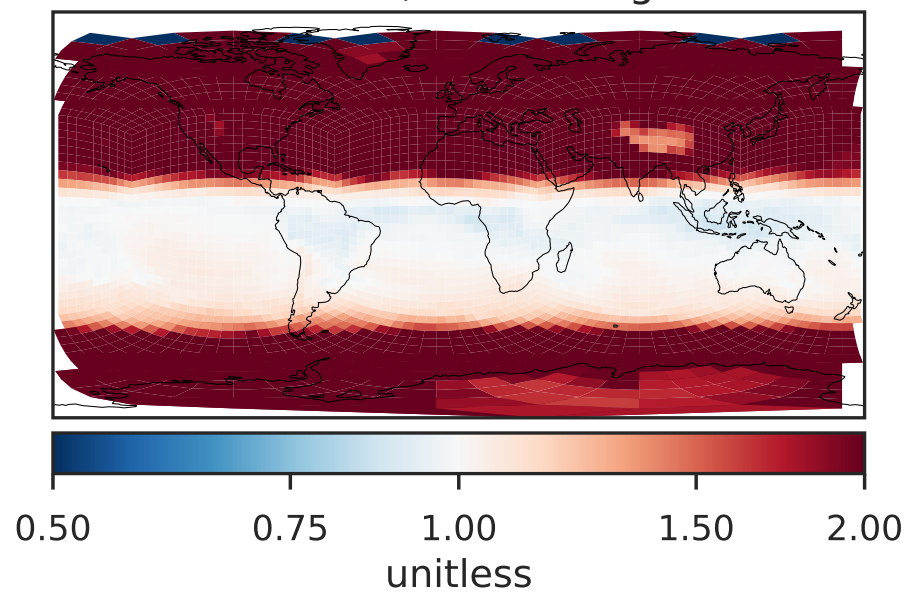
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

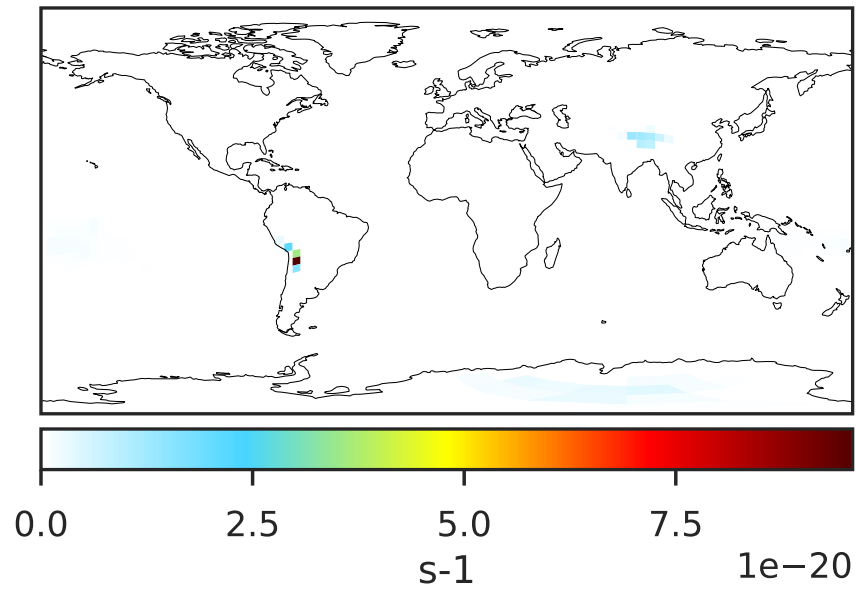


Ratio
Dev/Ref, Fixed Range

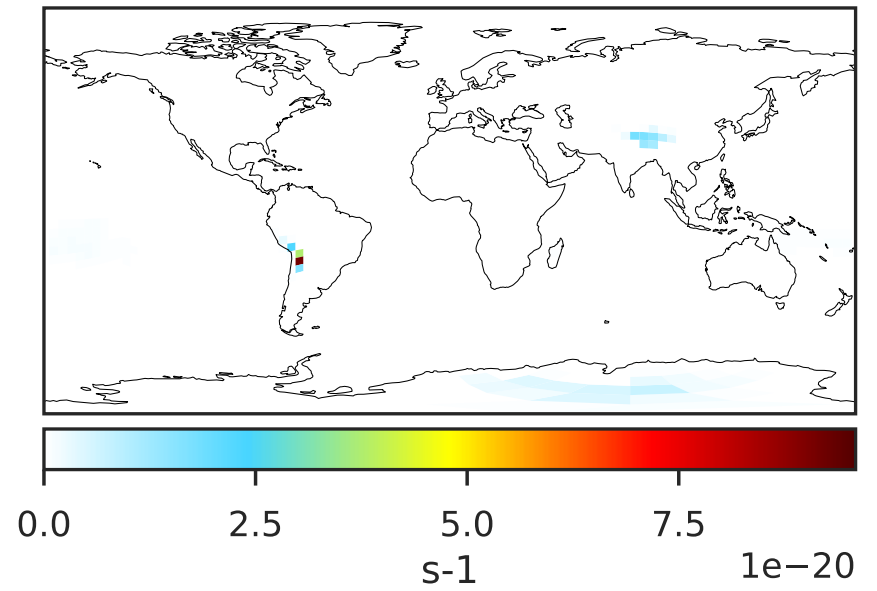


Jval_CFC12 (Jan2019)

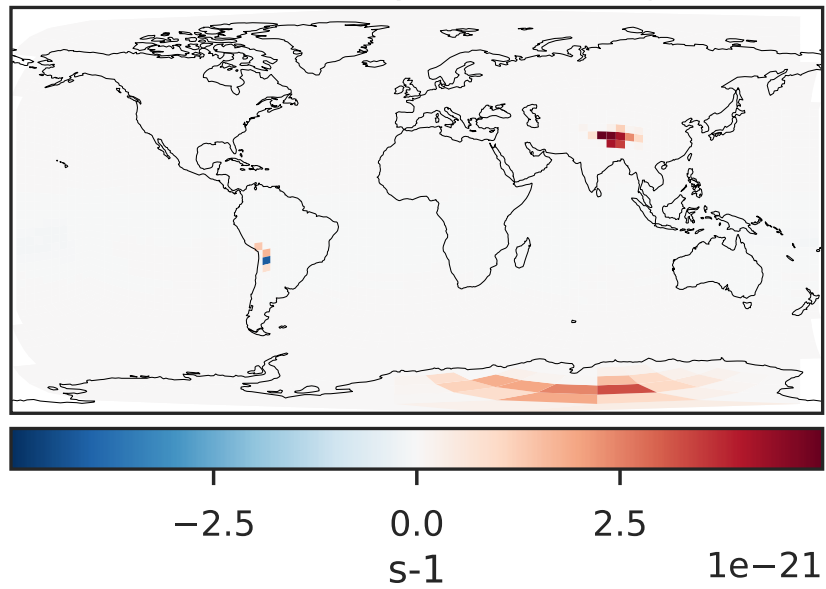
14.2.0-rc.2 (Ref)
c24



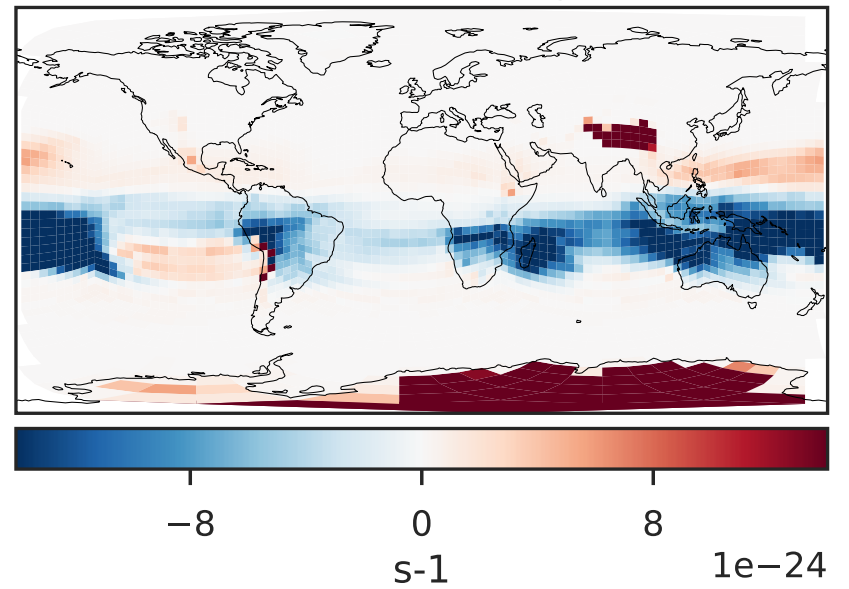
14.3.0-rc.0 (Dev)
c24



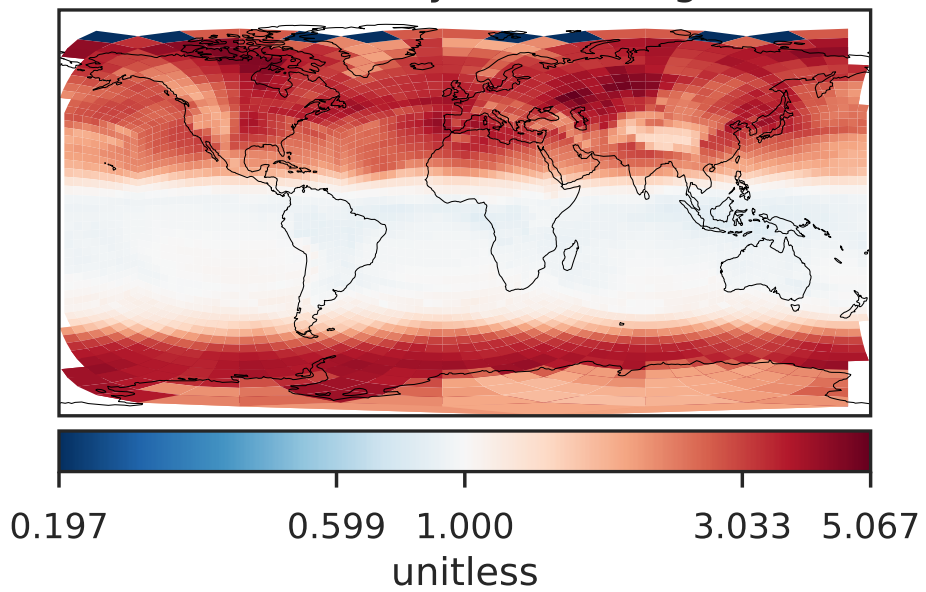
Difference
Dev - Ref, Dynamic Range



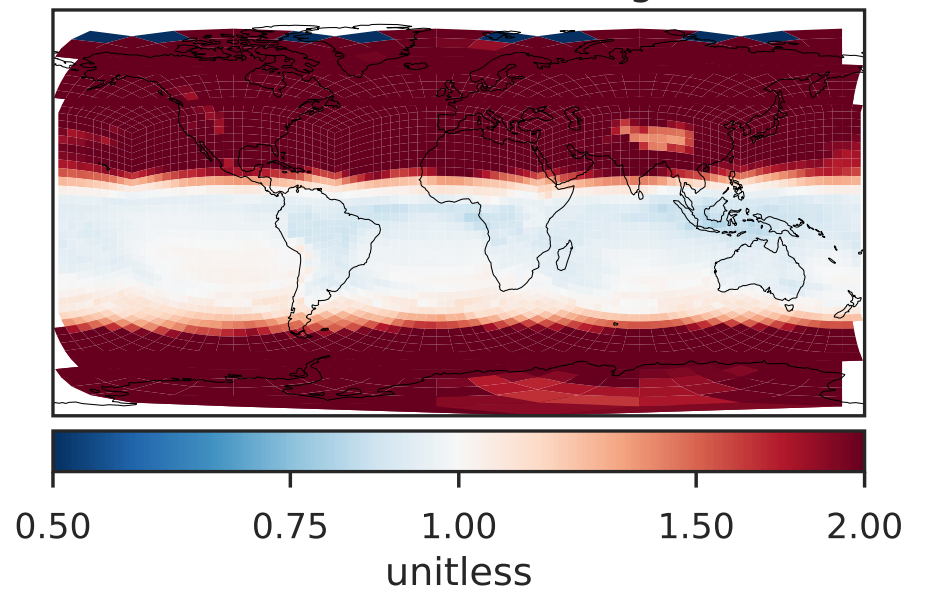
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

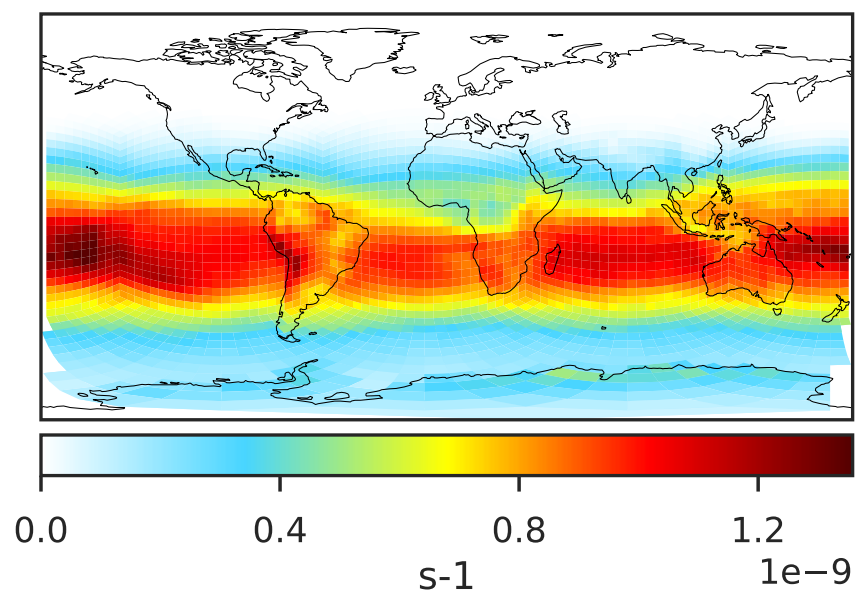


Ratio
Dev/Ref, Fixed Range

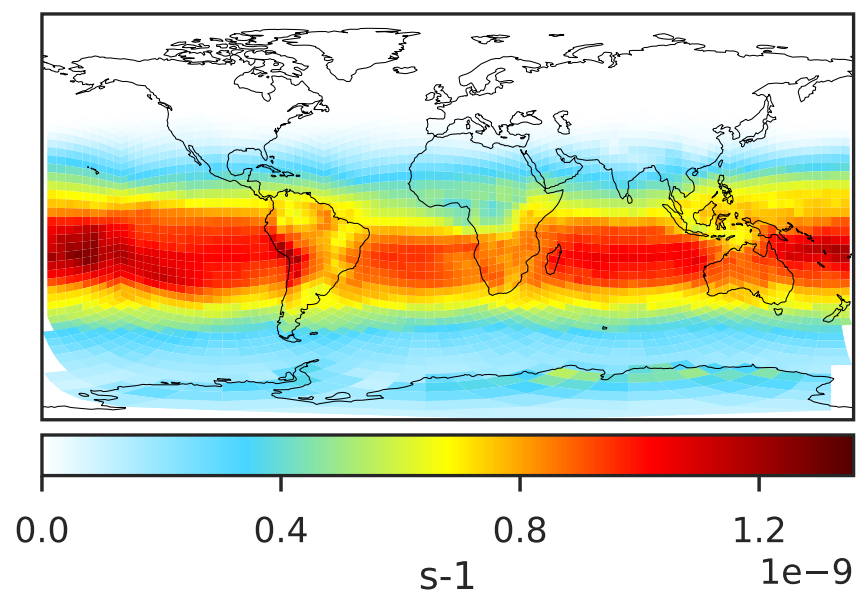


Jval_CH2Br2 (Jan2019)

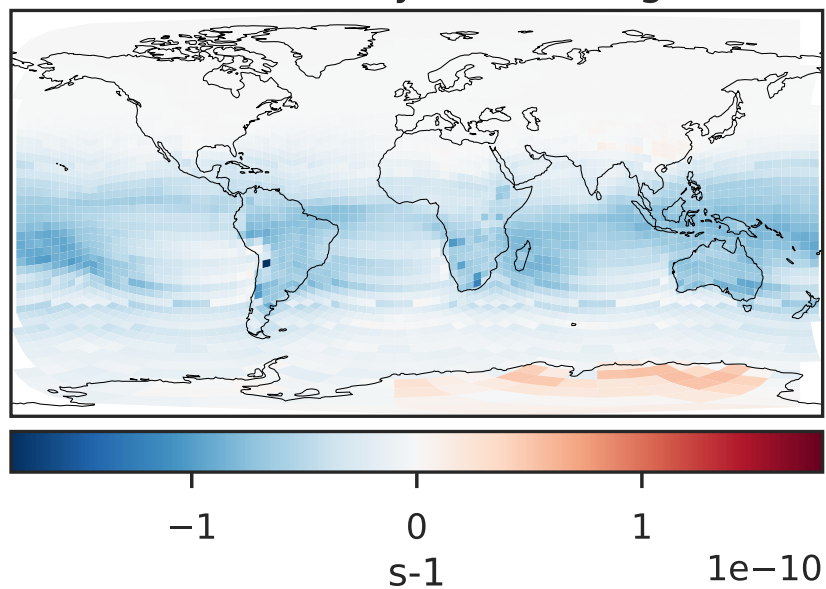
14.2.0-rc.2 (Ref)
c24



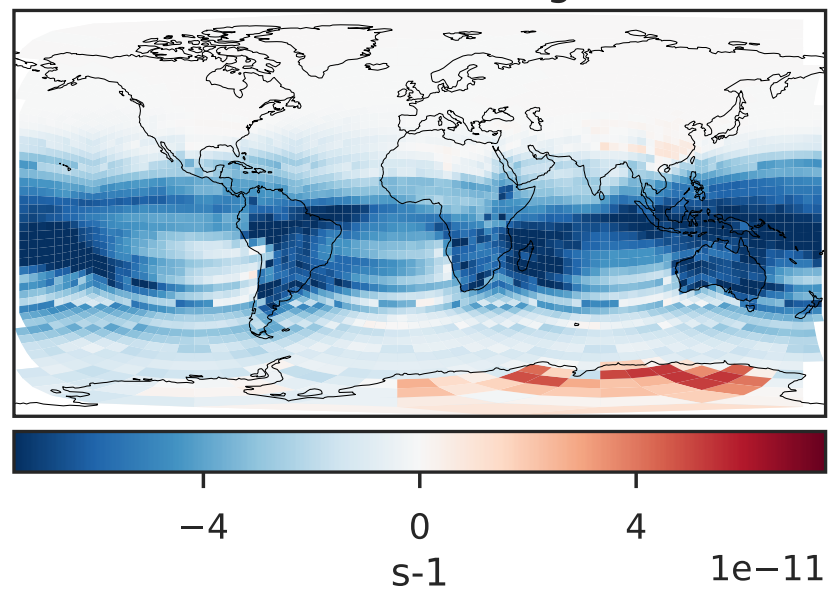
14.3.0-rc.0 (Dev)
c24



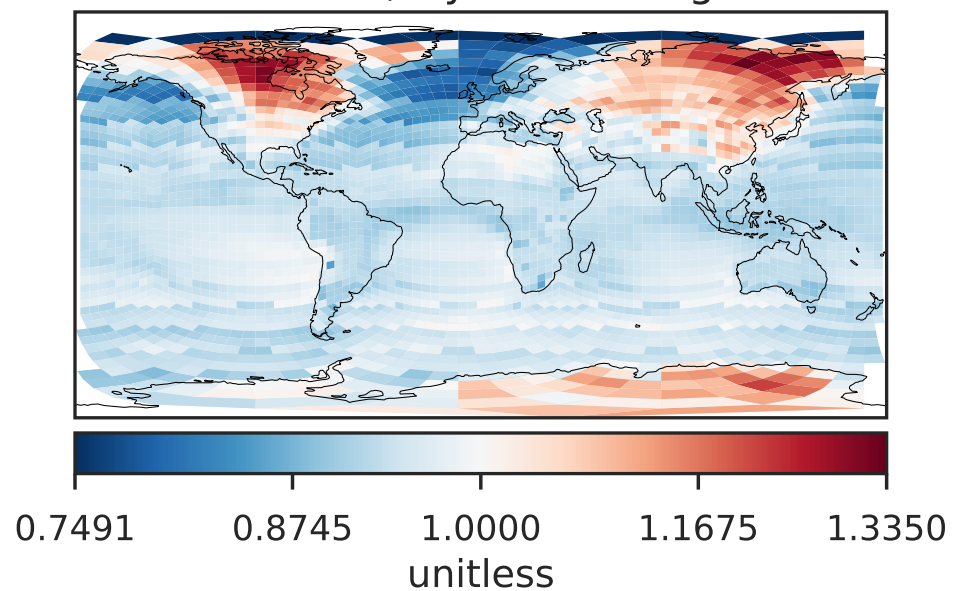
Difference
Dev - Ref, Dynamic Range



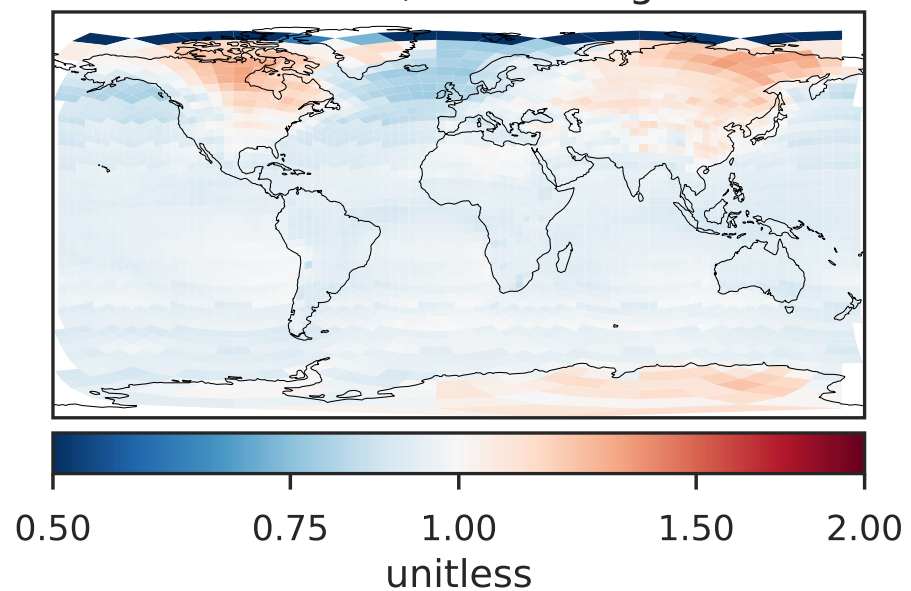
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

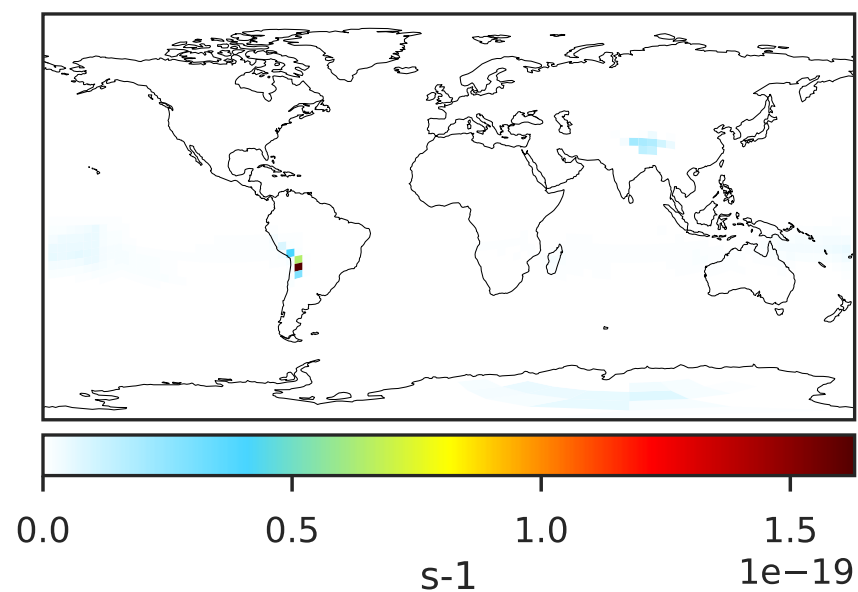


Ratio
Dev/Ref, Fixed Range

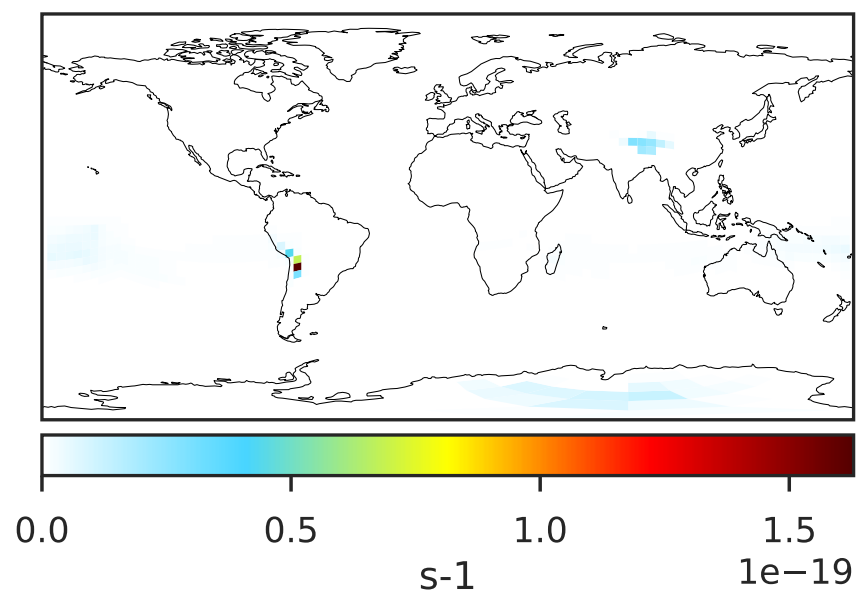


Jval_CH2Cl2 (Jan2019)

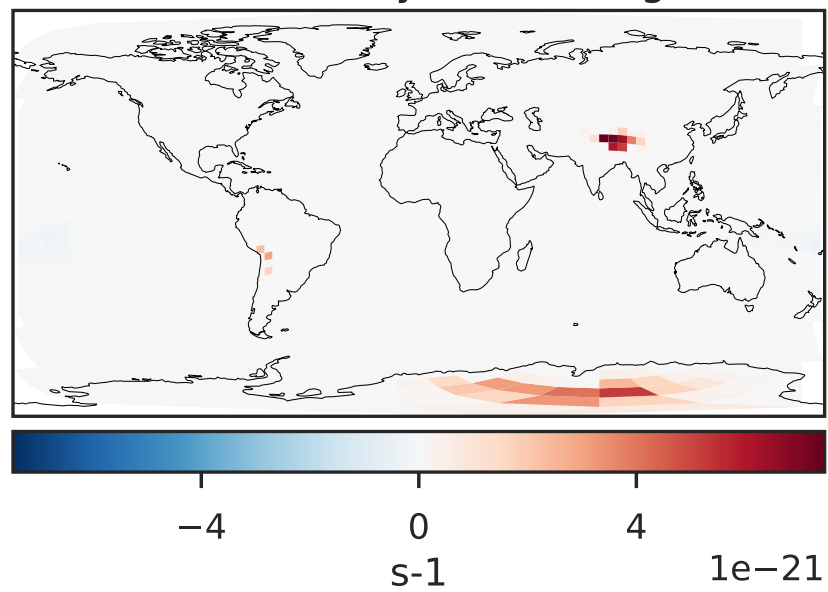
14.2.0-rc.2 (Ref)
c24



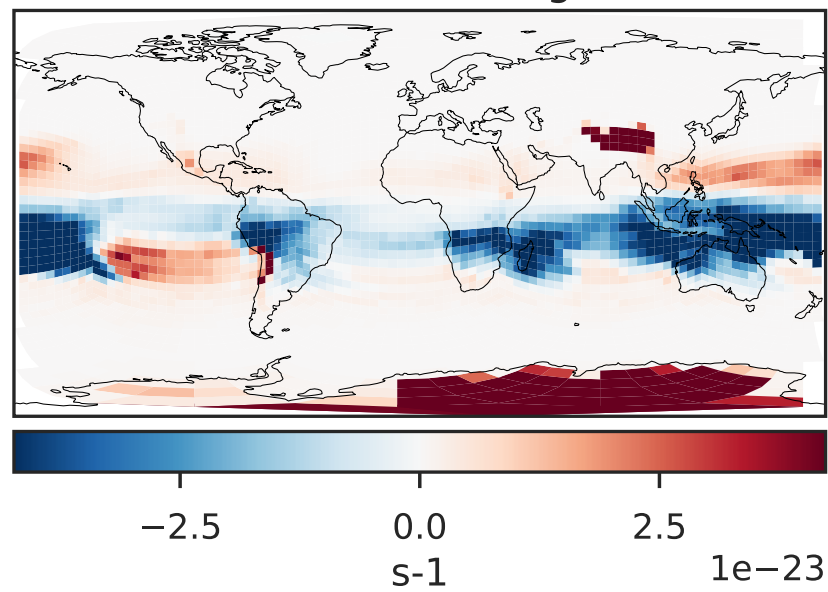
14.3.0-rc.0 (Dev)
c24



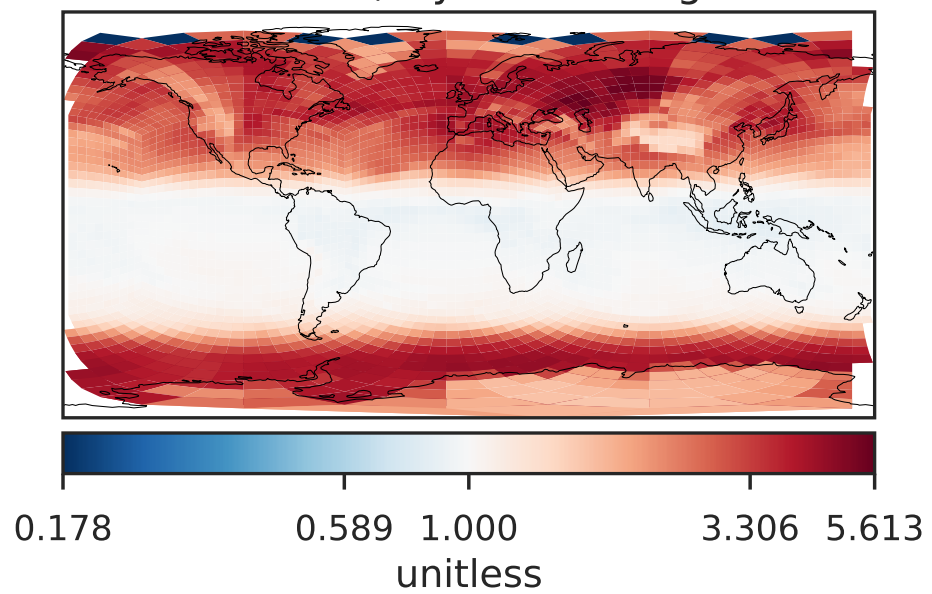
Difference
Dev - Ref, Dynamic Range



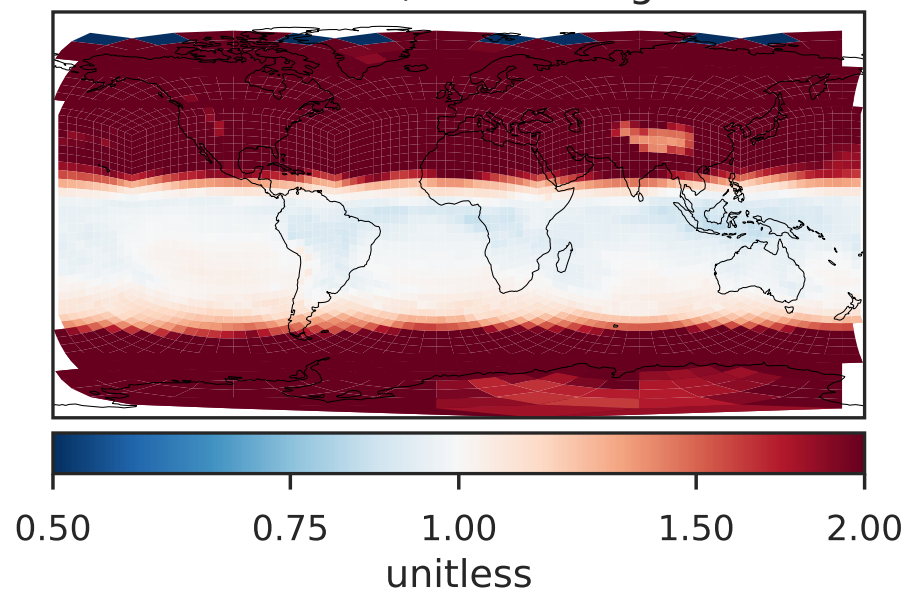
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

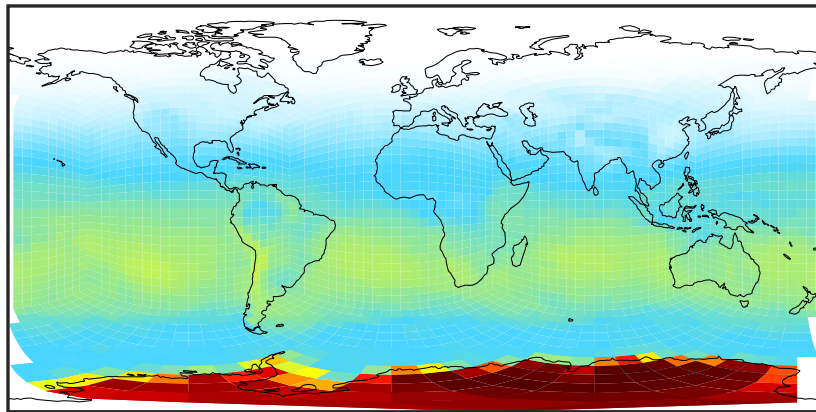


Ratio
Dev/Ref, Fixed Range



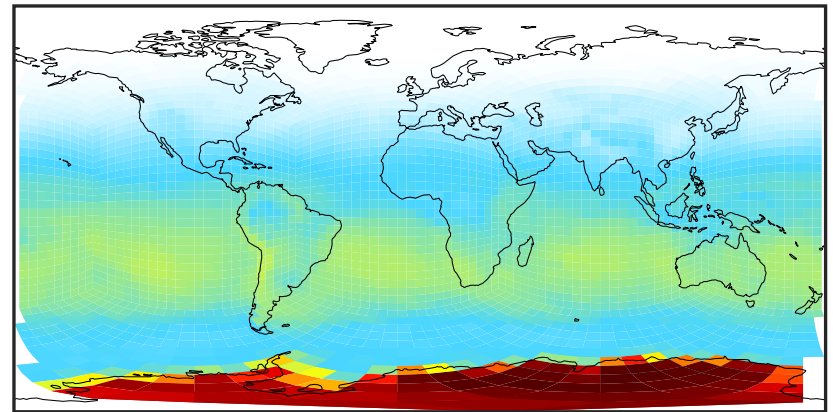
Jval_CH2I2 (Jan2019)

14.2.0-rc.2 (Ref)
c24



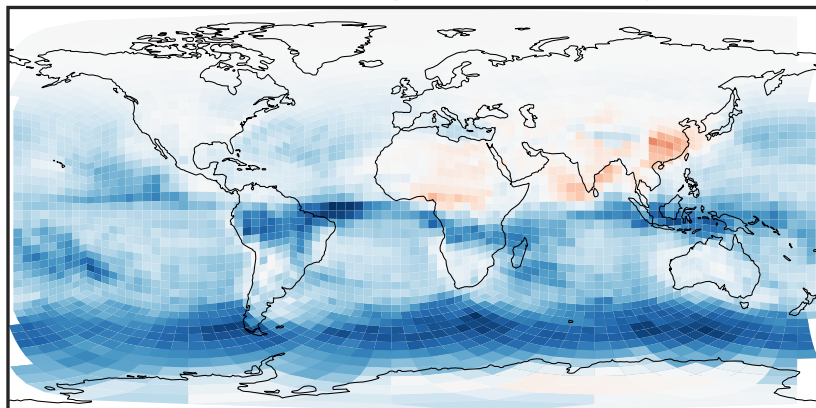
0.0000 0.0025 0.0050 0.0075
s-1

14.3.0-rc.0 (Dev)
c24



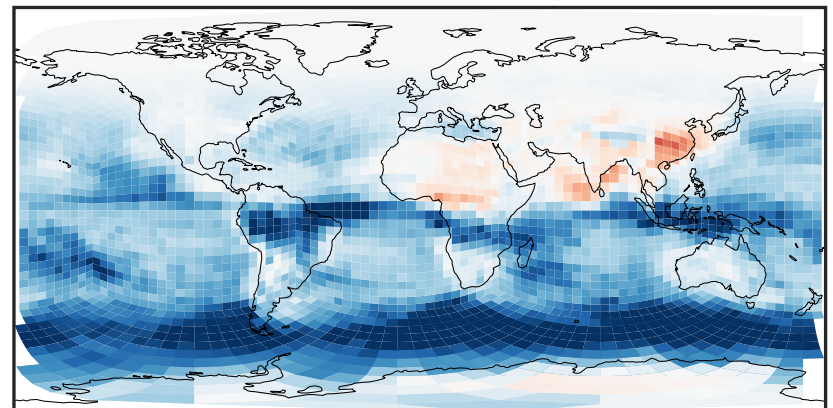
0.0000 0.0025 0.0050 0.0075
s-1

Difference
Dev - Ref, Dynamic Range



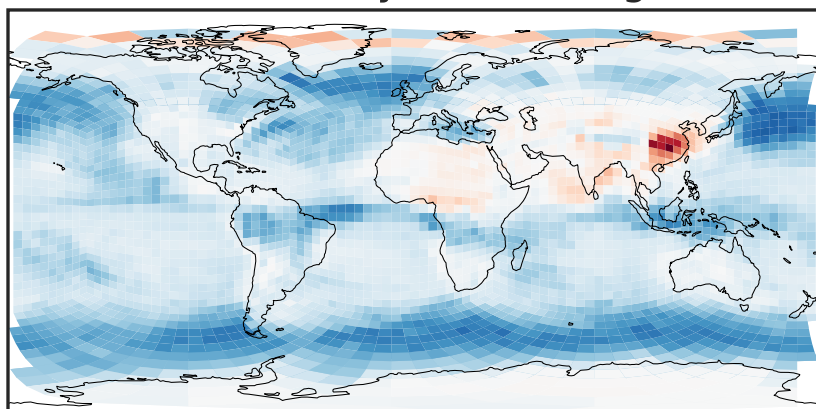
-8 0 8
s-1 1e-5

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



-6 0 6
s-1 1e-5

Ratio
Dev/Ref, Dynamic Range



0.9181 0.9590 1.0000 1.0446 1.0893
unitless

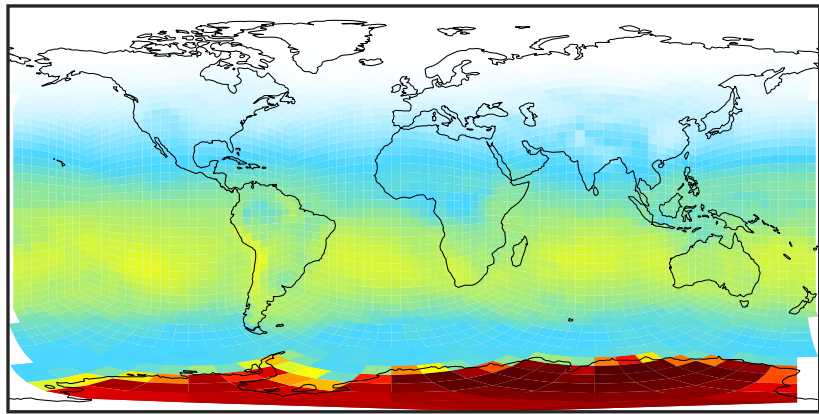
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

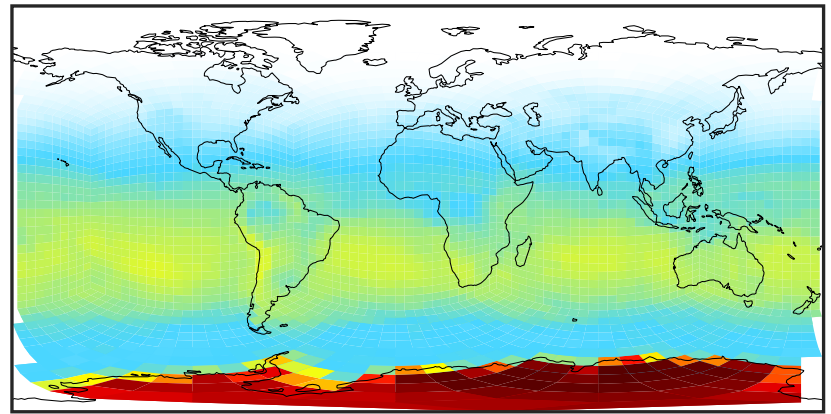
Jval_CH2IBr (Jan2019)

14.2.0-rc.2 (Ref)
c24



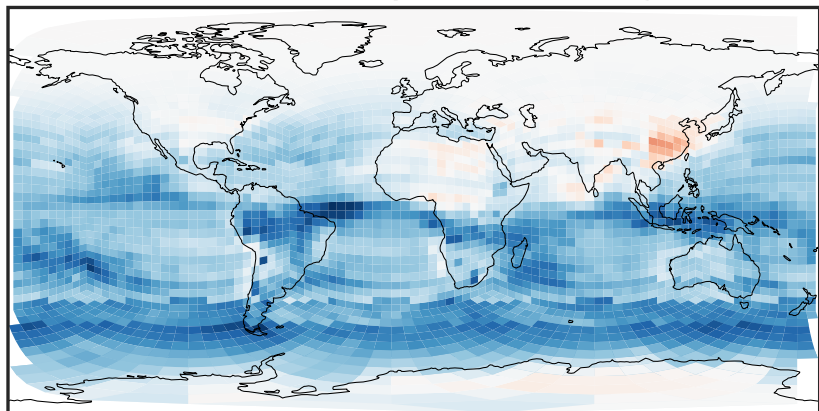
0.00000 0.00015 0.00030 0.00045
s-1

14.3.0-rc.0 (Dev)
c24



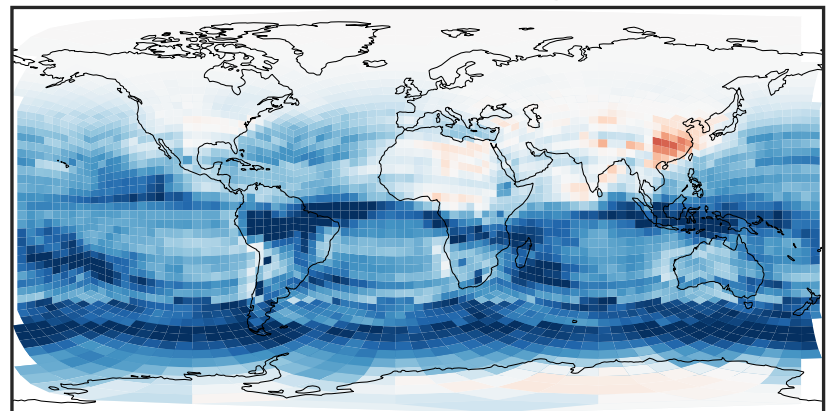
0.00000 0.00015 0.00030 0.00045
s-1

Difference
Dev - Ref, Dynamic Range



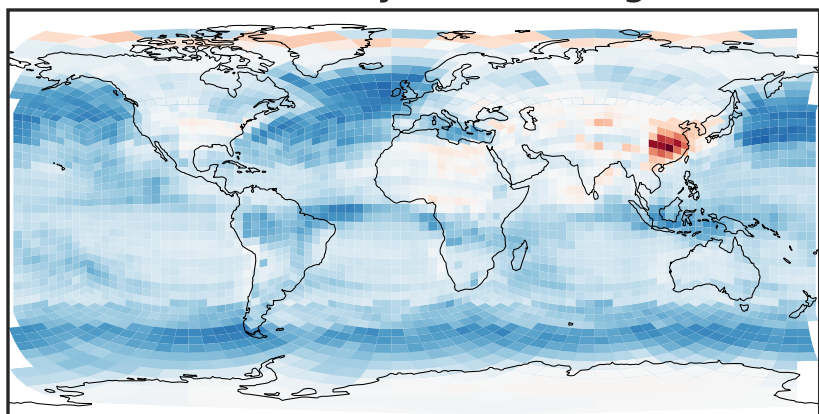
-6 0 6
s-1 1e-6

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



-4 0 4
s-1 1e-6

Ratio
Dev/Ref, Dynamic Range



0.9042 0.9521 1.0000 1.0529 1.1059
unitless

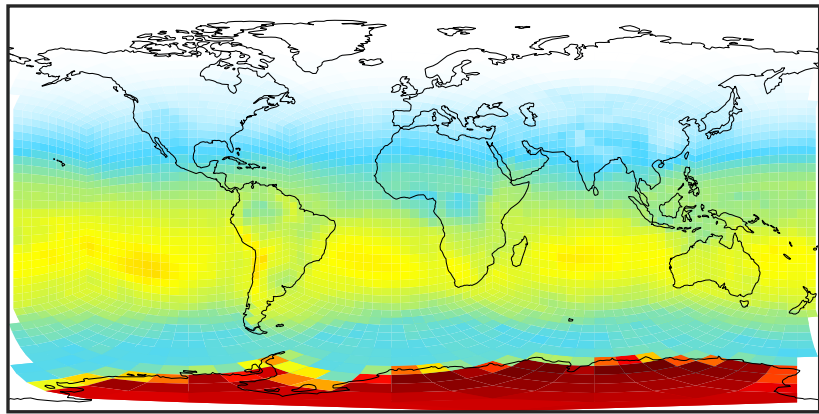
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

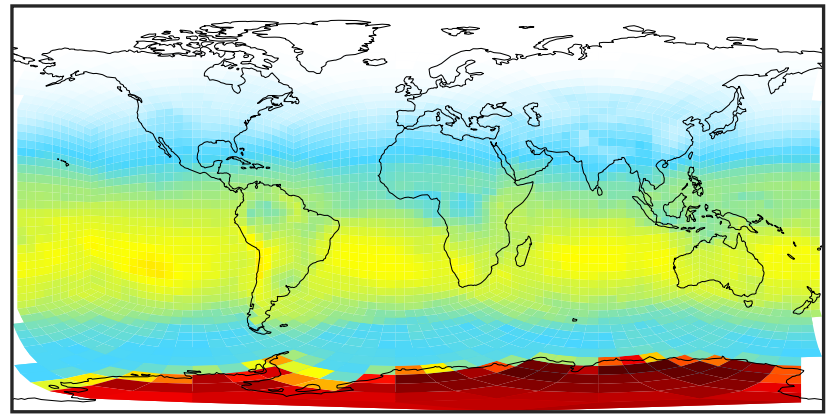
Jval_CH2ICI (Jan2019)

14.2.0-rc.2 (Ref)
c24



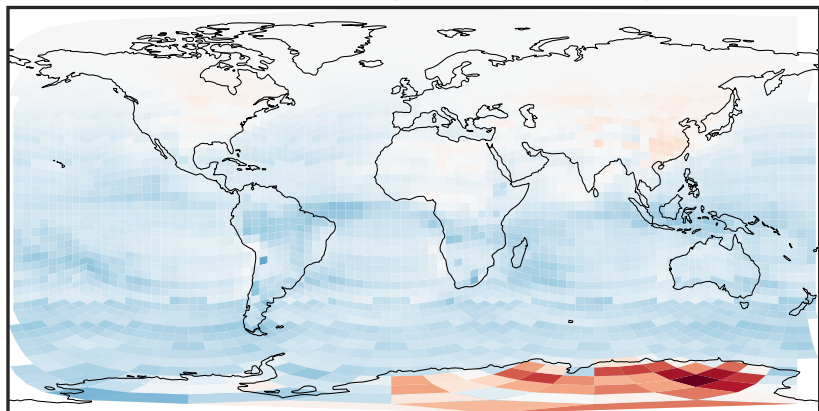
0.00000 0.00004 0.00008 0.00012 s-1

14.3.0-rc.0 (Dev)
c24



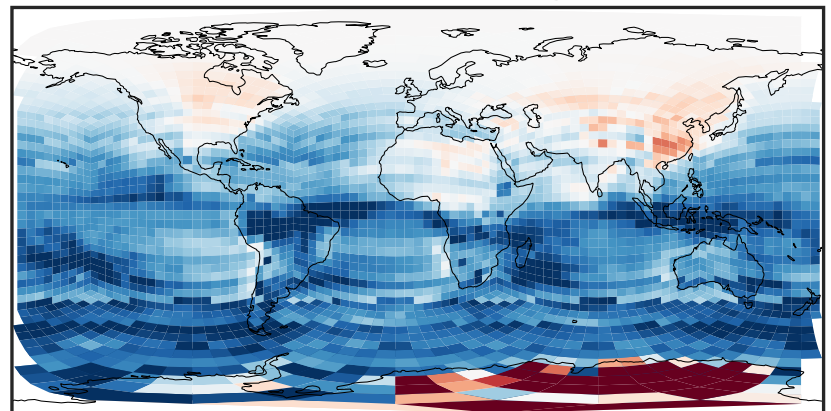
0.00000 0.00004 0.00008 0.00012 s-1

Difference
Dev - Ref, Dynamic Range



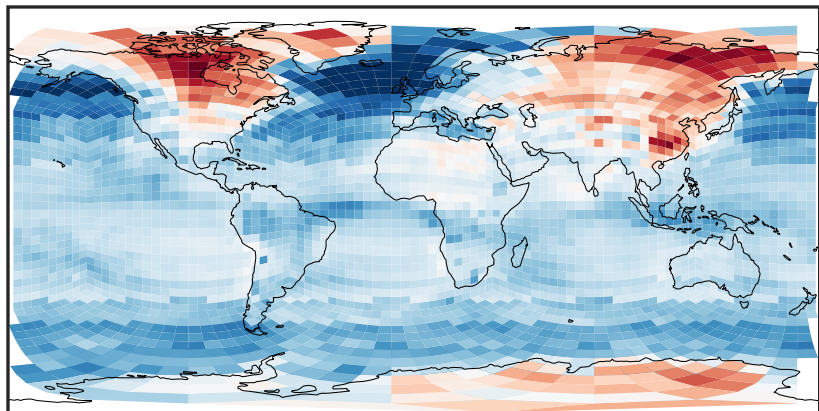
-4 0 4 1e-6 s-1

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



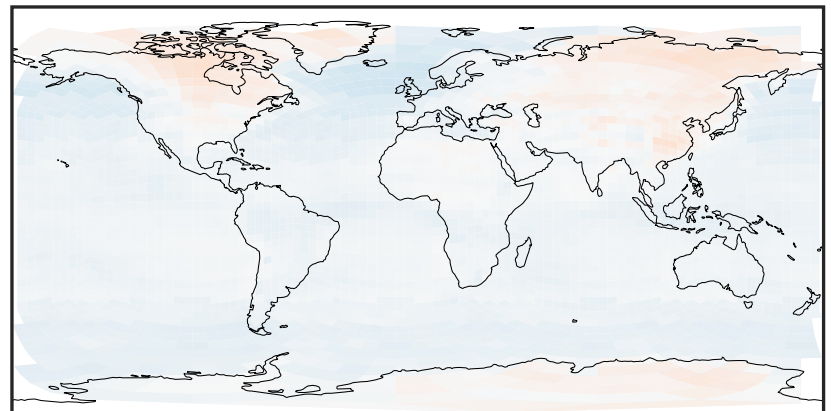
-1.5 0.0 1.5 1e-6 s-1

Ratio
Dev/Ref, Dynamic Range



0.8934 0.9467 1.0000 1.0597 1.1194 unitless

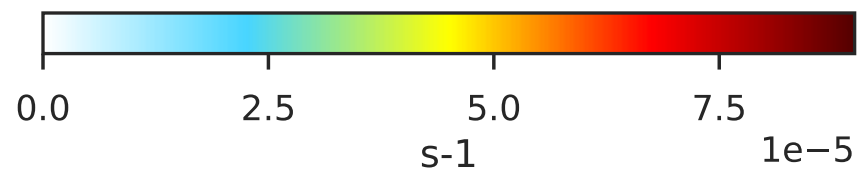
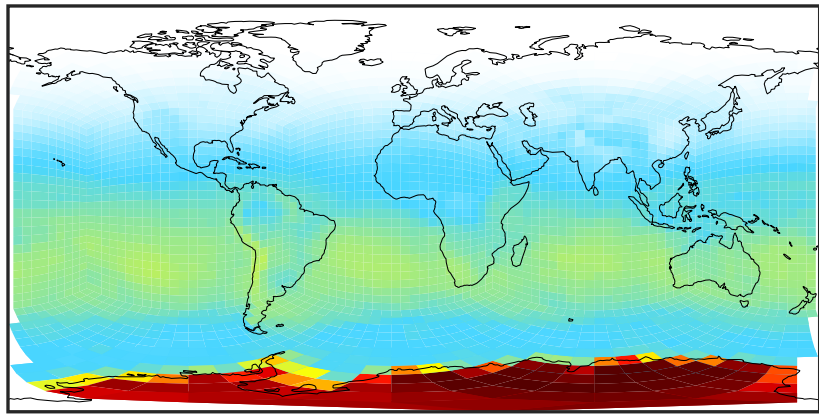
Ratio
Dev/Ref, Fixed Range



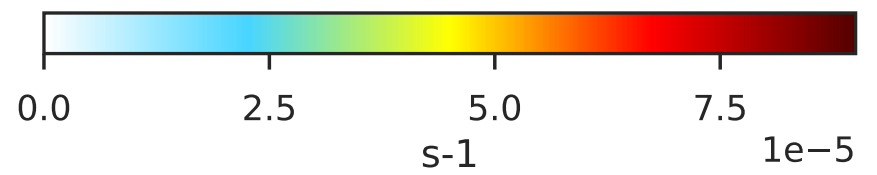
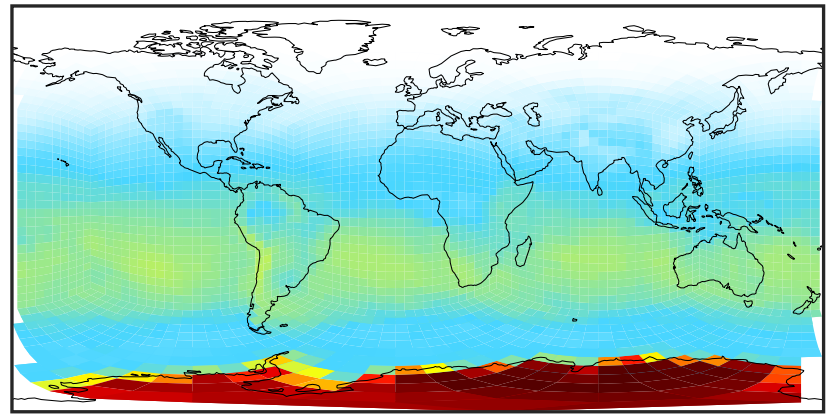
0.50 0.75 1.00 1.50 2.00 unitless

Jval_CH20 (Jan2019)

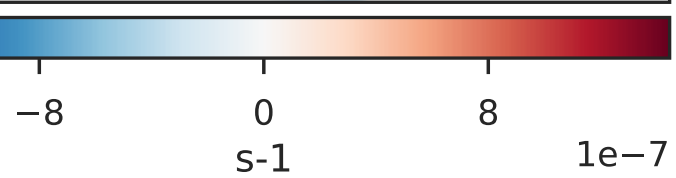
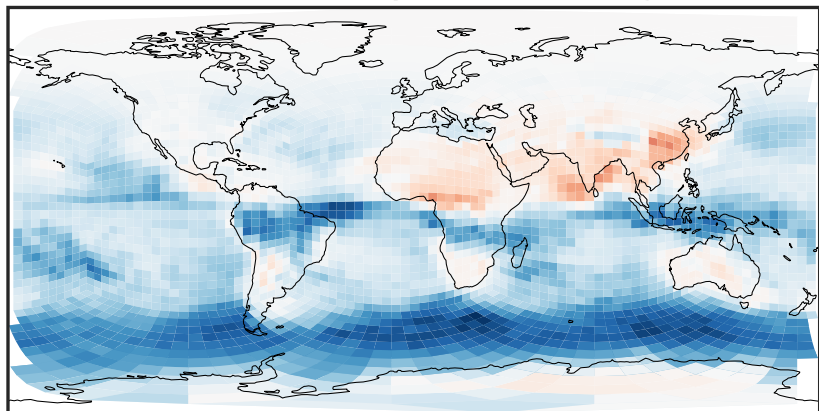
14.2.0-rc.2 (Ref)
c24



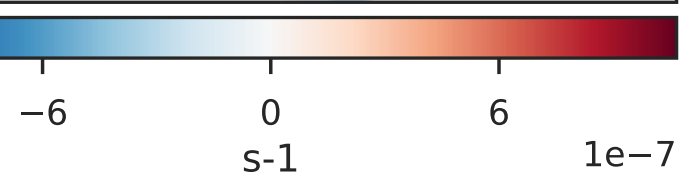
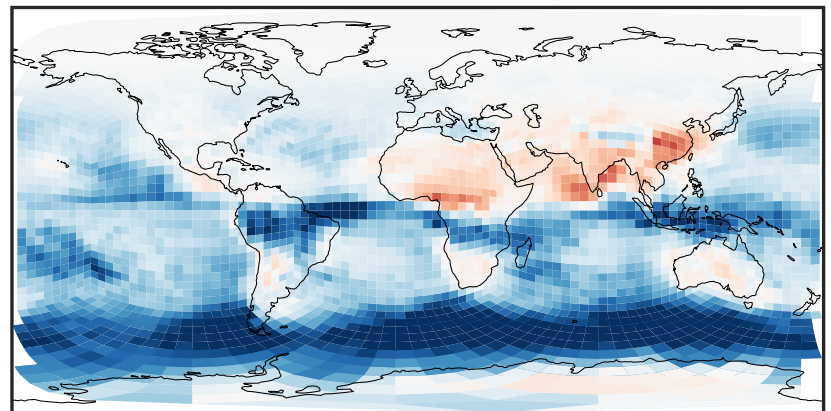
14.3.0-rc.0 (Dev)
c24



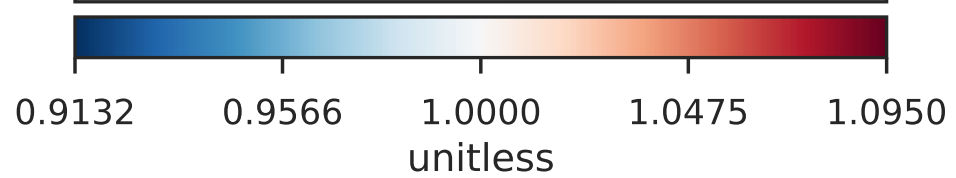
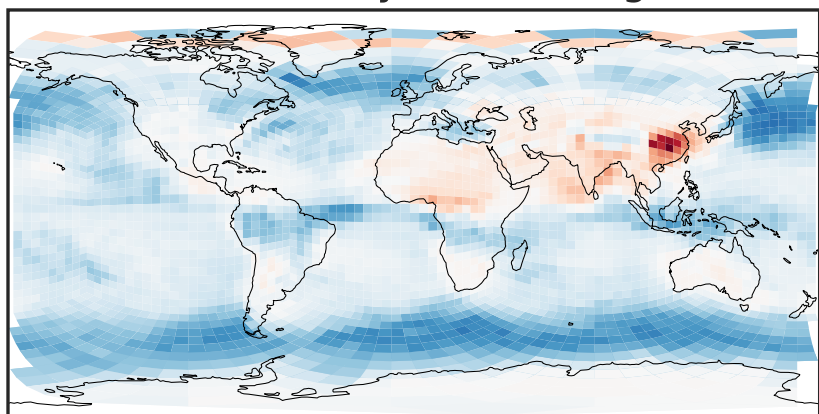
Difference
Dev - Ref, Dynamic Range



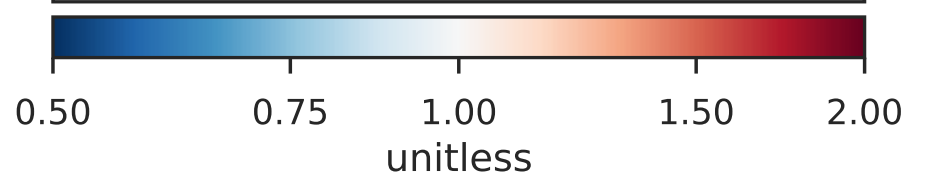
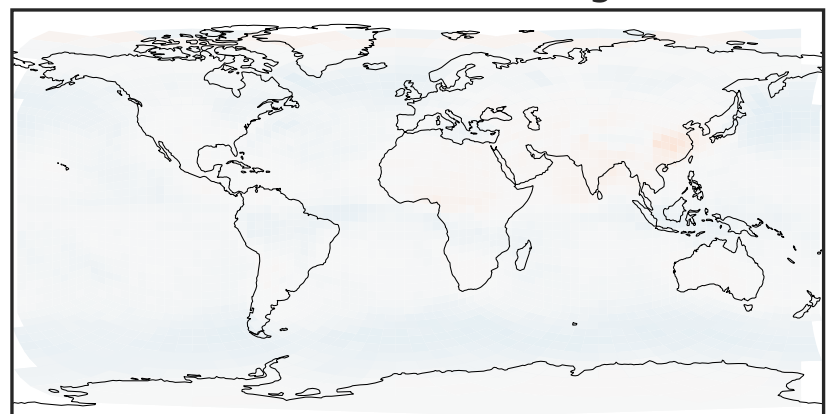
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

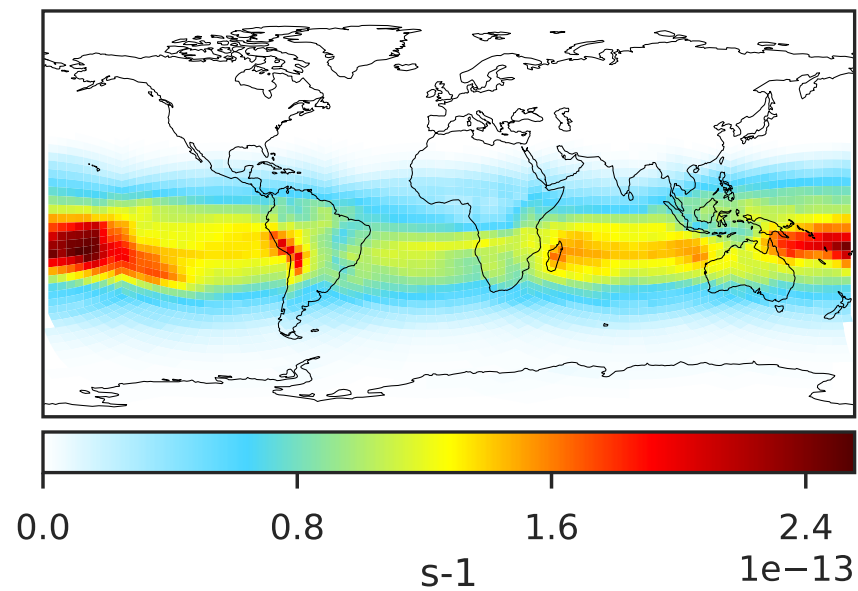


Ratio
Dev/Ref, Fixed Range

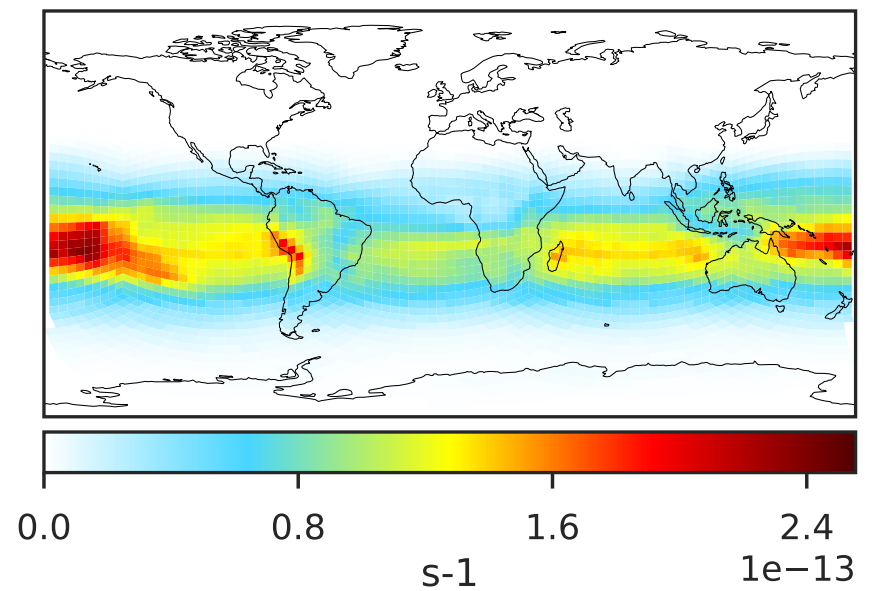


Jval_CH3Br (Jan2019)

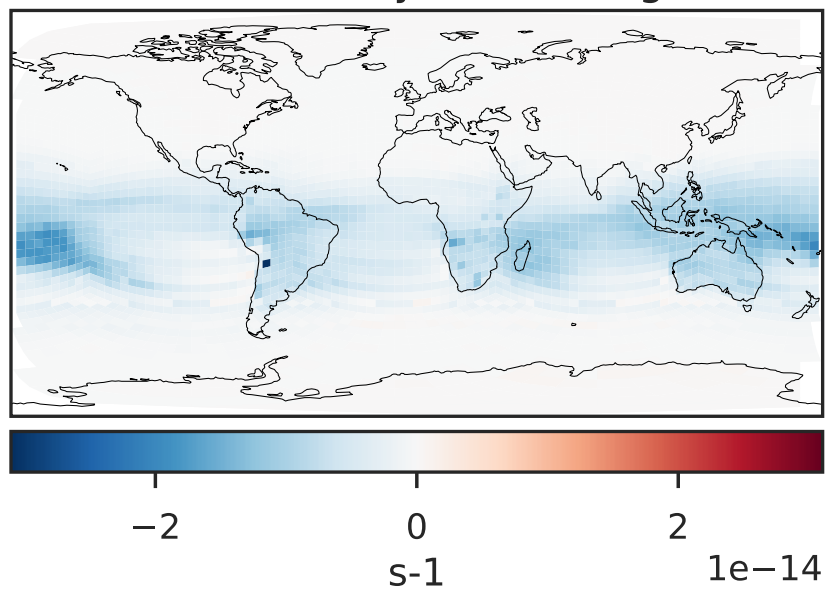
14.2.0-rc.2 (Ref)
c24



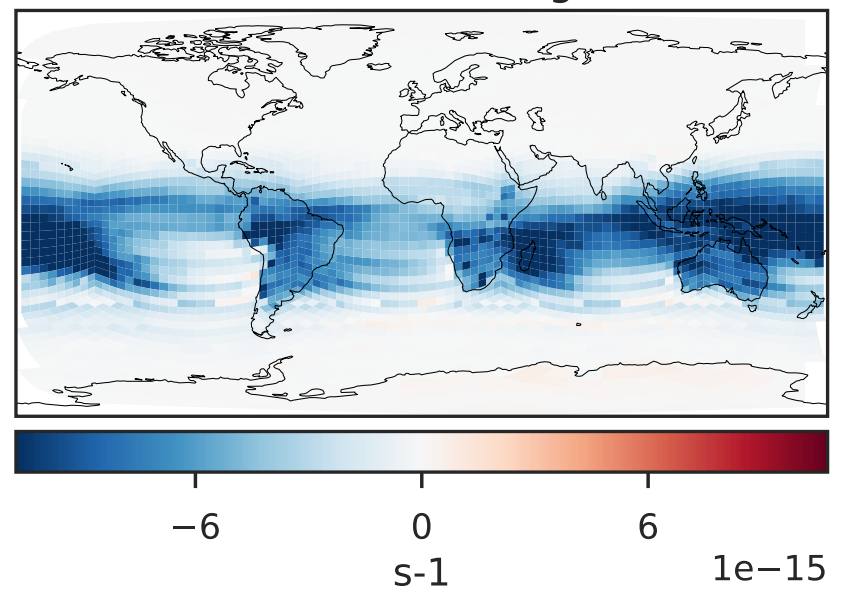
14.3.0-rc.0 (Dev)
c24



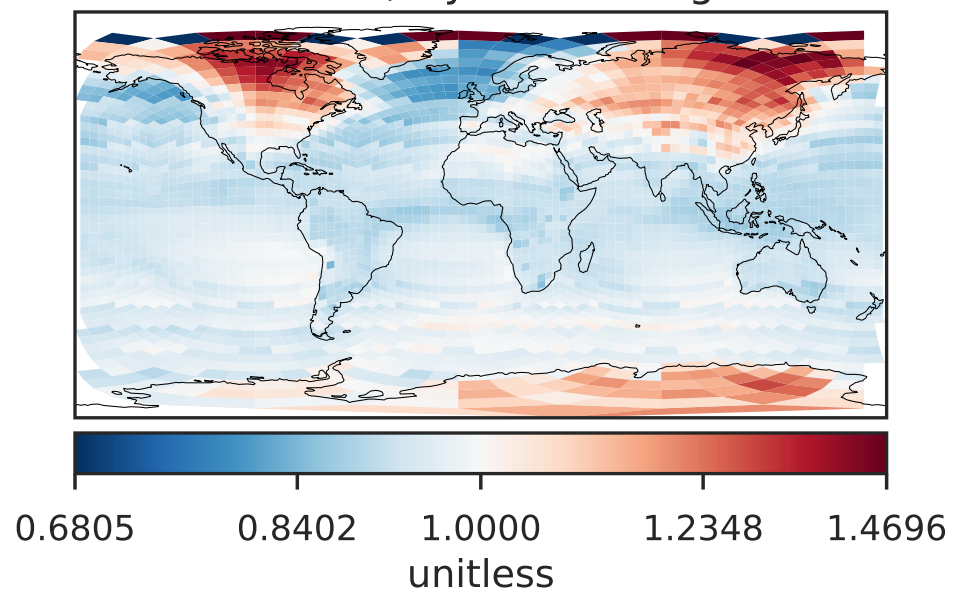
Difference
Dev - Ref, Dynamic Range



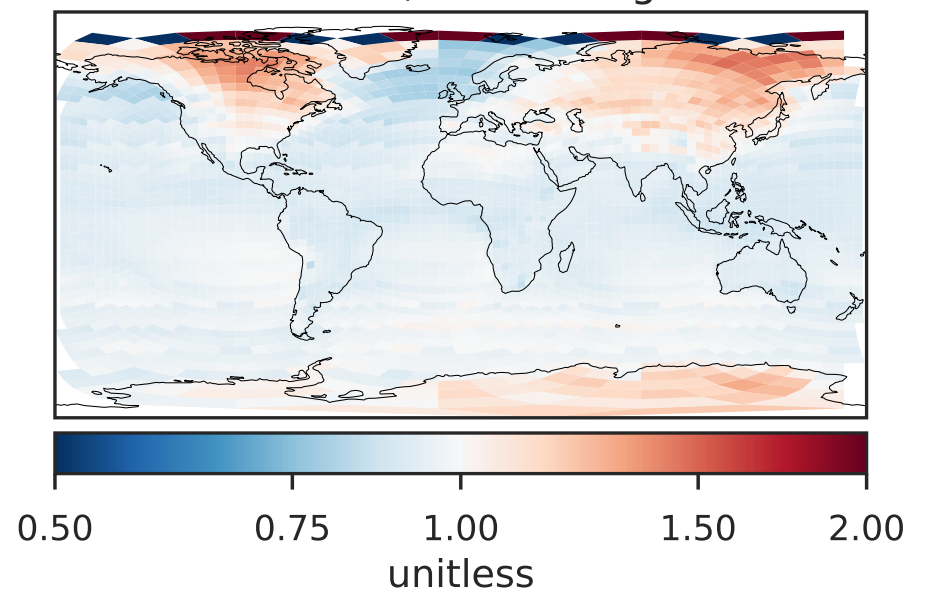
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

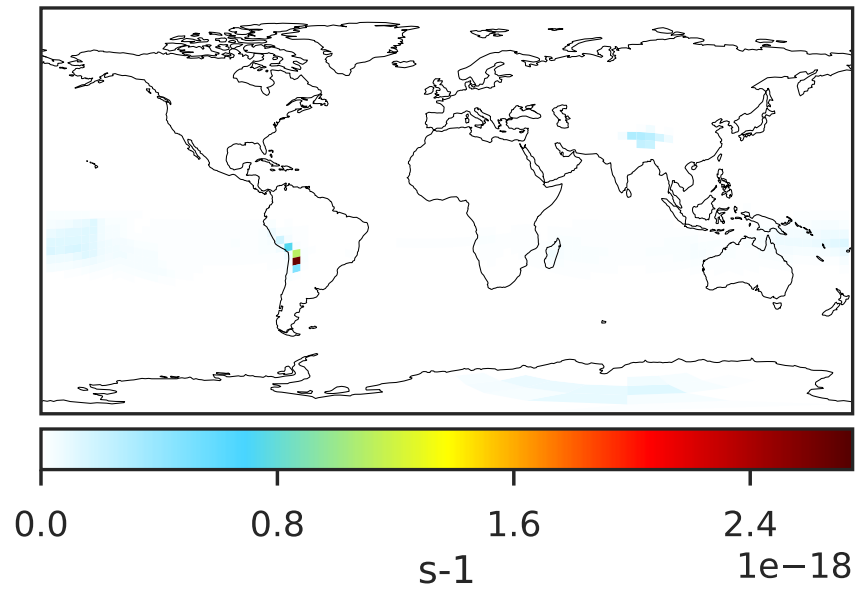


Ratio
Dev/Ref, Fixed Range

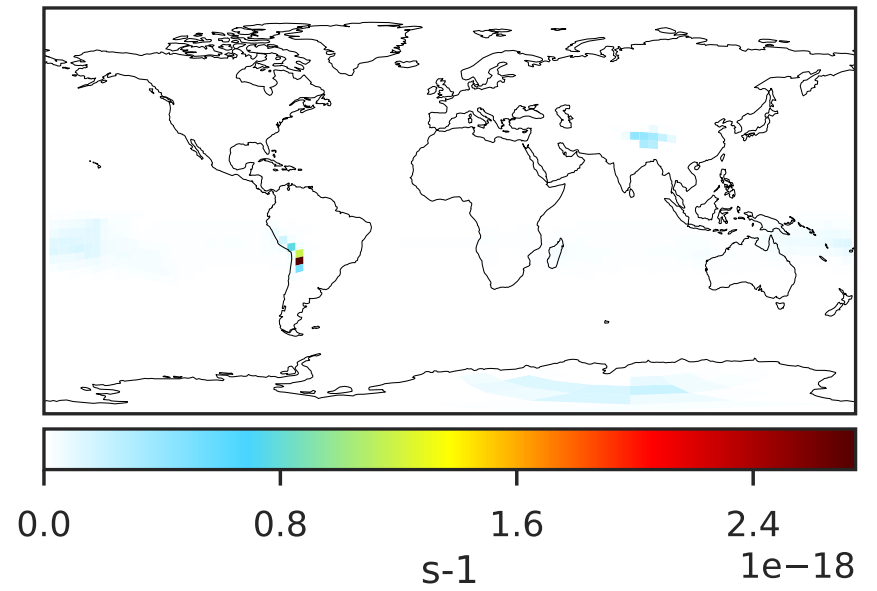


Jval_CH3CCI3 (Jan2019)

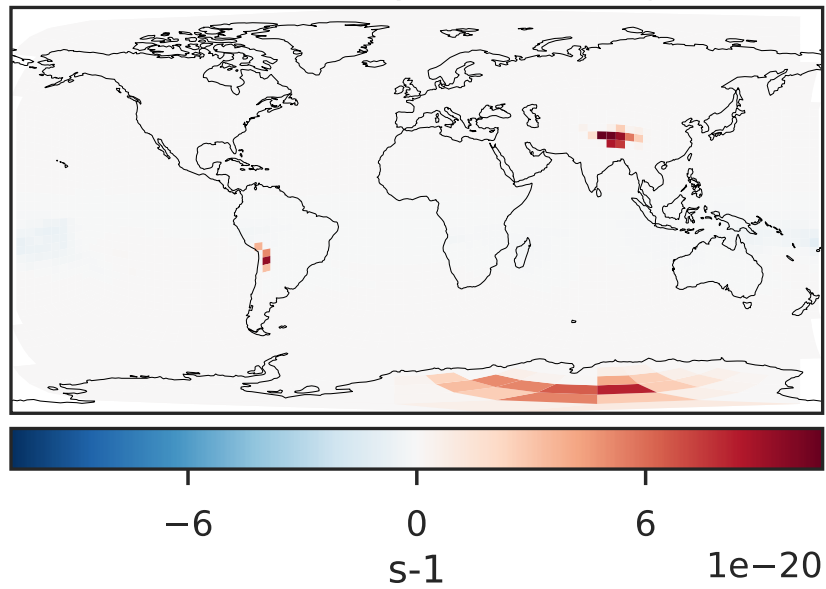
14.2.0-rc.2 (Ref)
c24



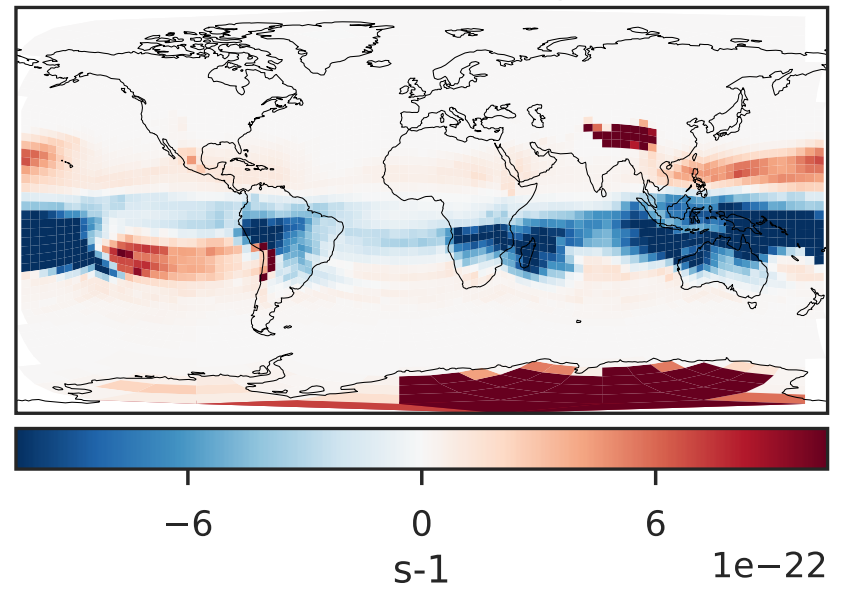
14.3.0-rc.0 (Dev)
c24



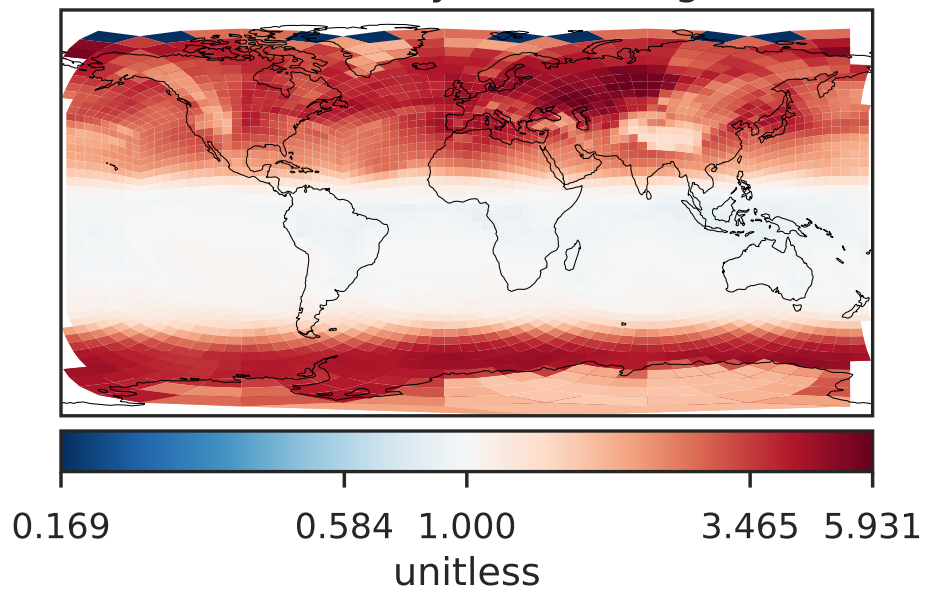
Difference
Dev - Ref, Dynamic Range



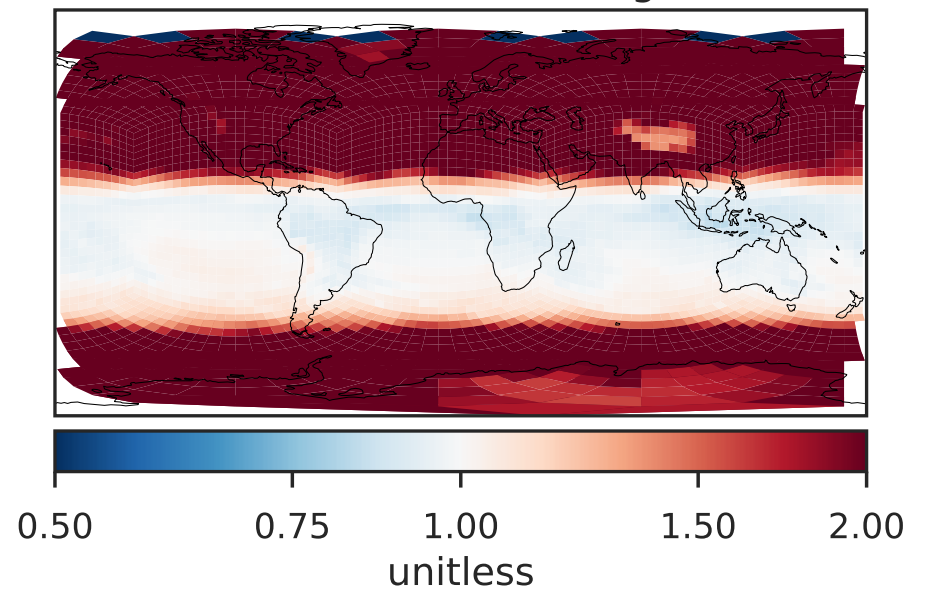
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

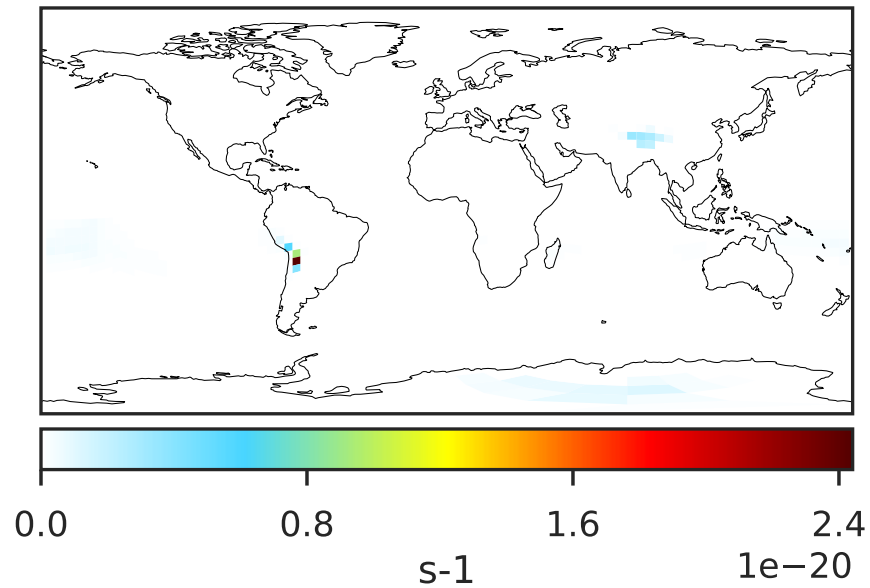


Ratio
Dev/Ref, Fixed Range

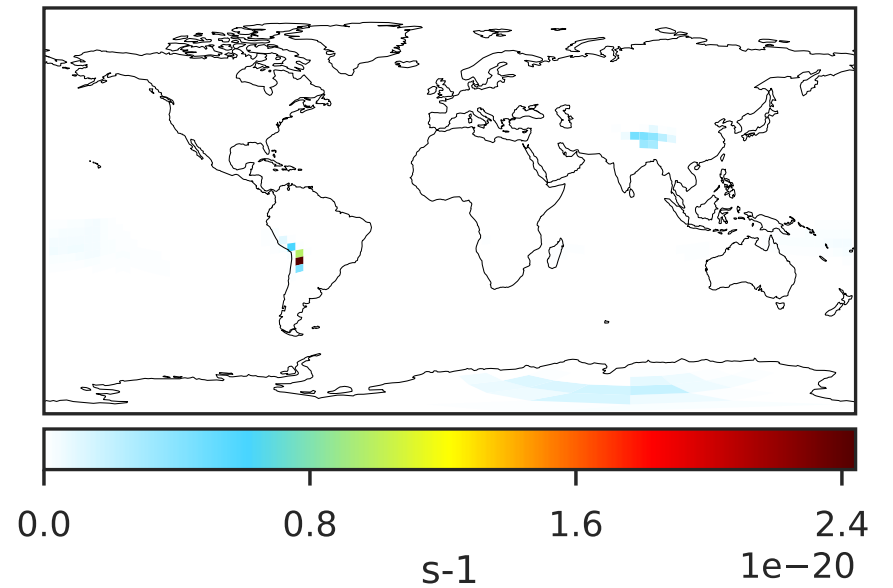


Jval_CH3Cl (Jan2019)

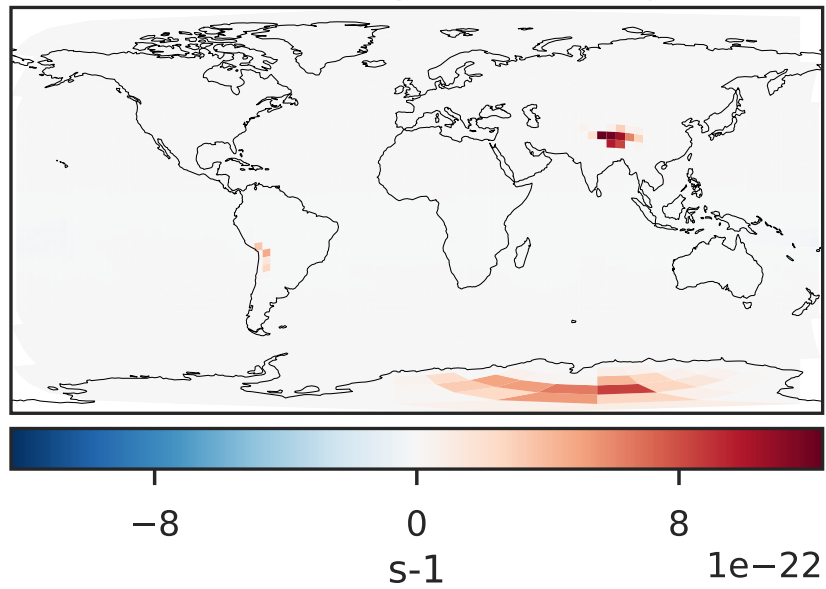
14.2.0-rc.2 (Ref)
c24



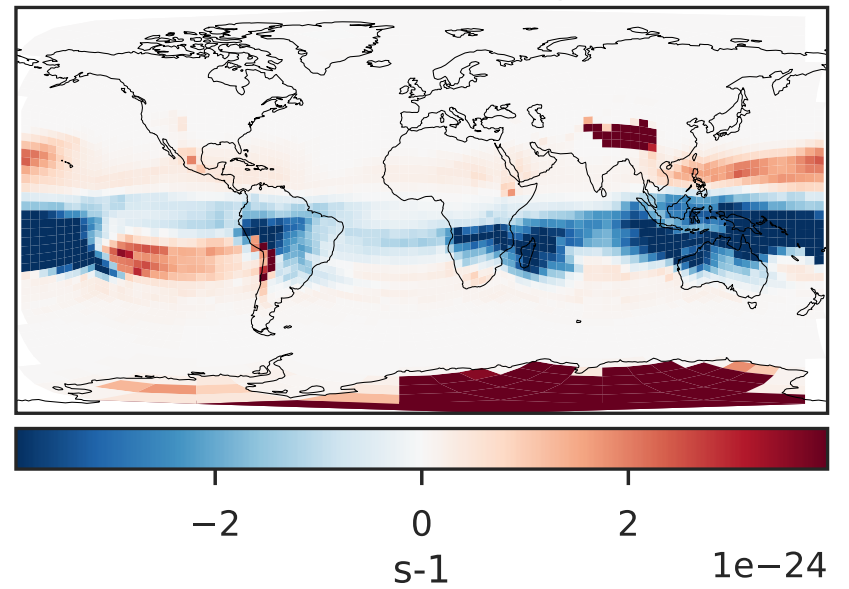
14.3.0-rc.0 (Dev)
c24



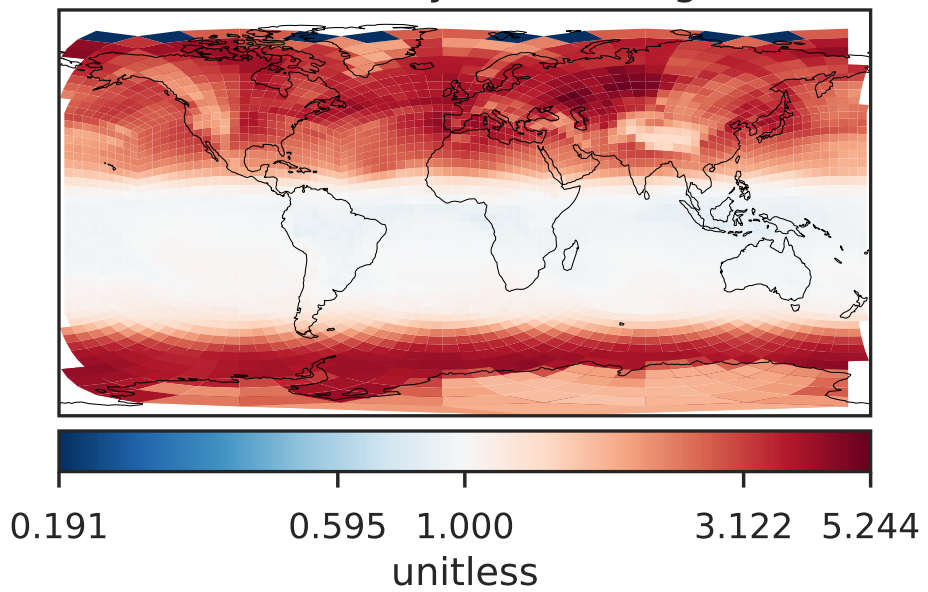
Difference
Dev - Ref, Dynamic Range



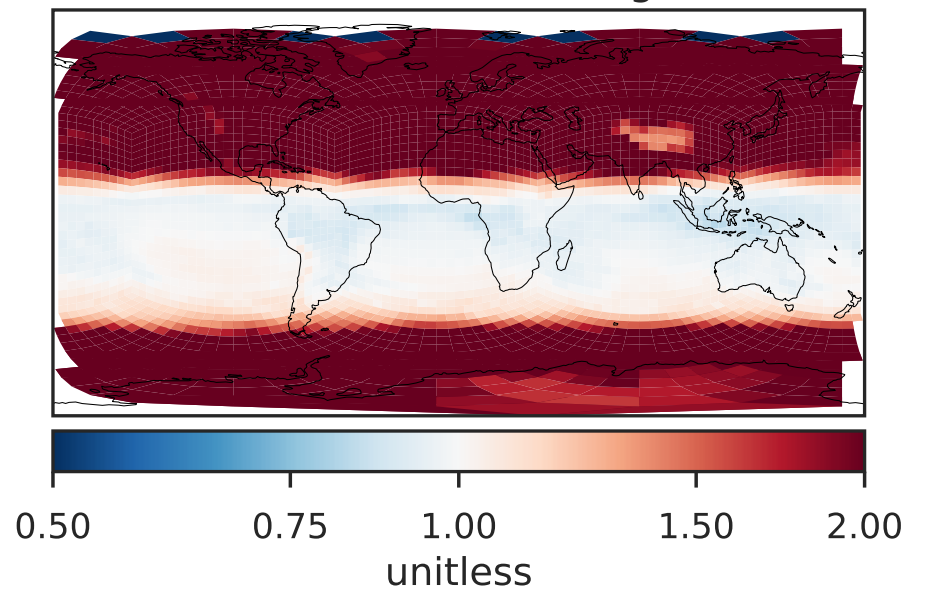
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

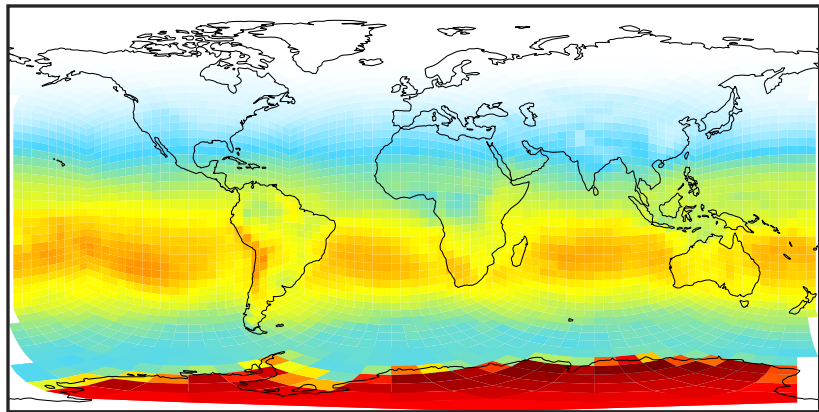


Ratio
Dev/Ref, Fixed Range



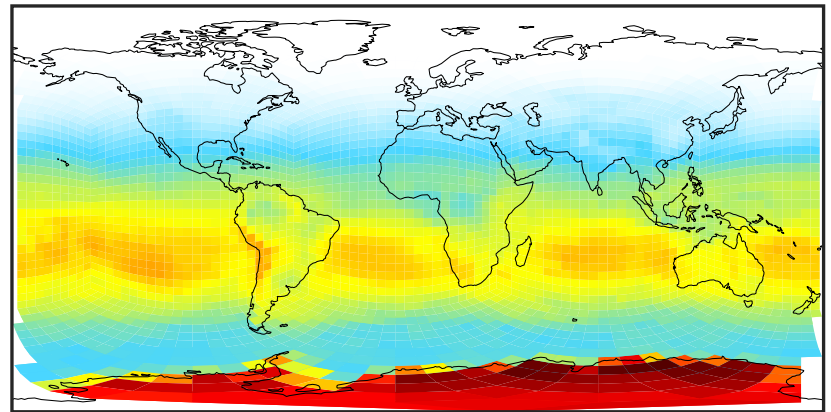
Jval_CH3I (Jan2019)

14.2.0-rc.2 (Ref)
c24



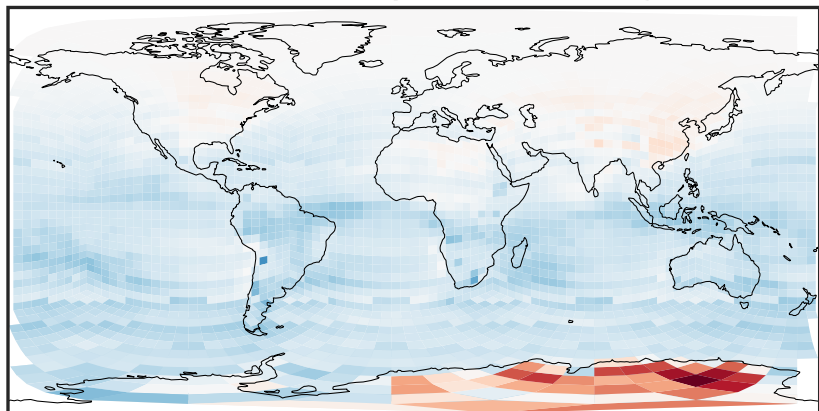
0.0 1.5 3.0 4.5
s-1 $1e-6$

14.3.0-rc.0 (Dev)
c24



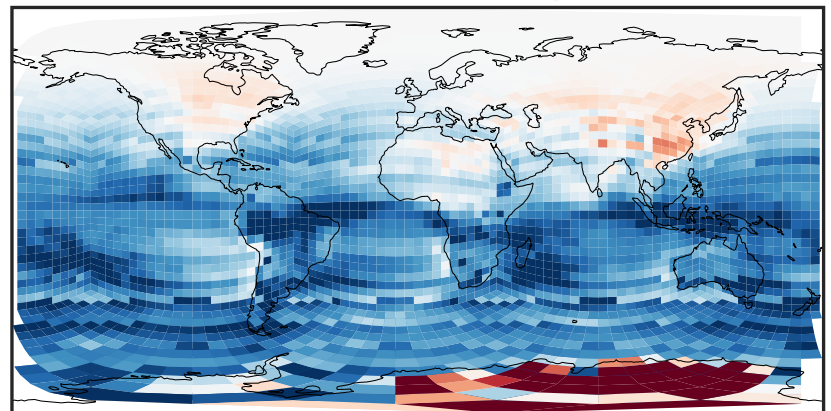
0.0 1.5 3.0 4.5
s-1 $1e-6$

Difference
Dev - Ref, Dynamic Range



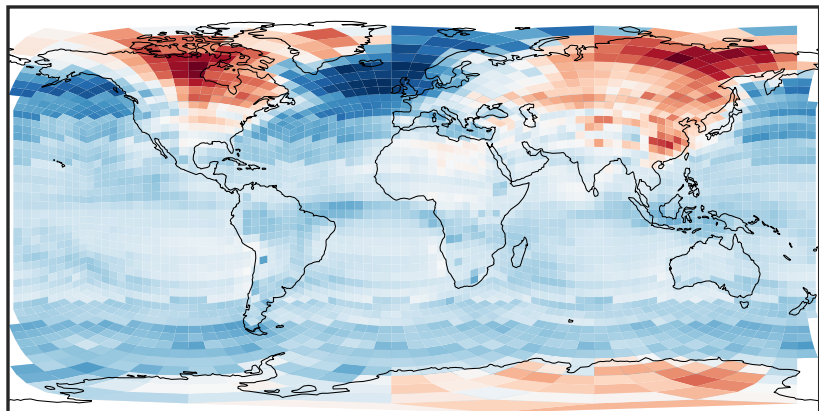
-2 0 2
s-1 $1e-7$

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



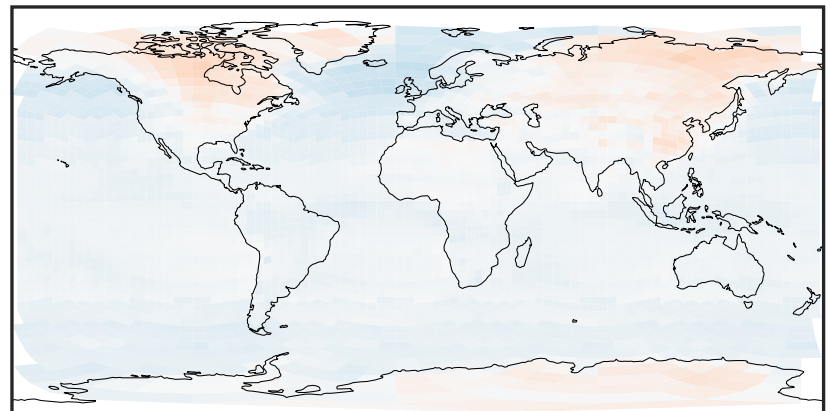
-6 0 6
s-1 $1e-8$

Ratio
Dev/Ref, Dynamic Range



0.8557 0.9279 1.0000 1.0843 1.1686
unitless

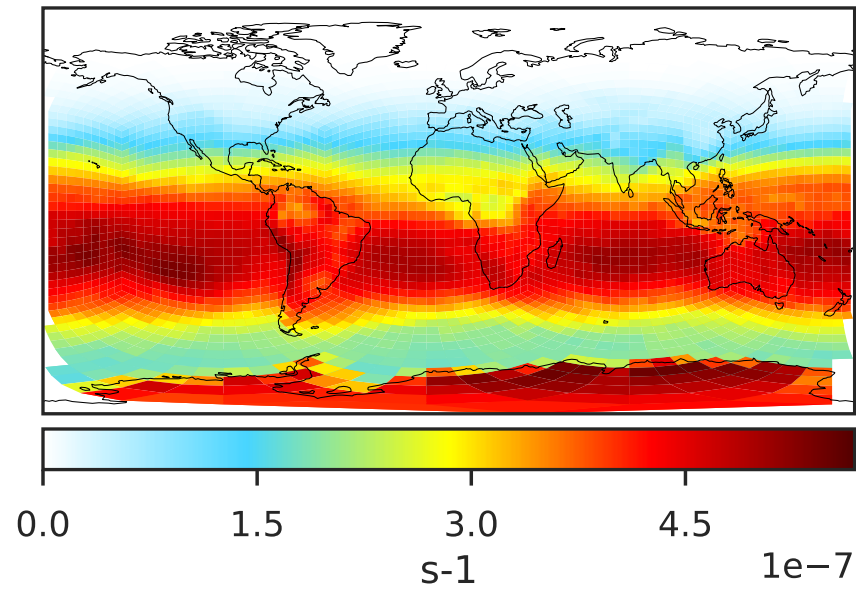
Ratio
Dev/Ref, Fixed Range



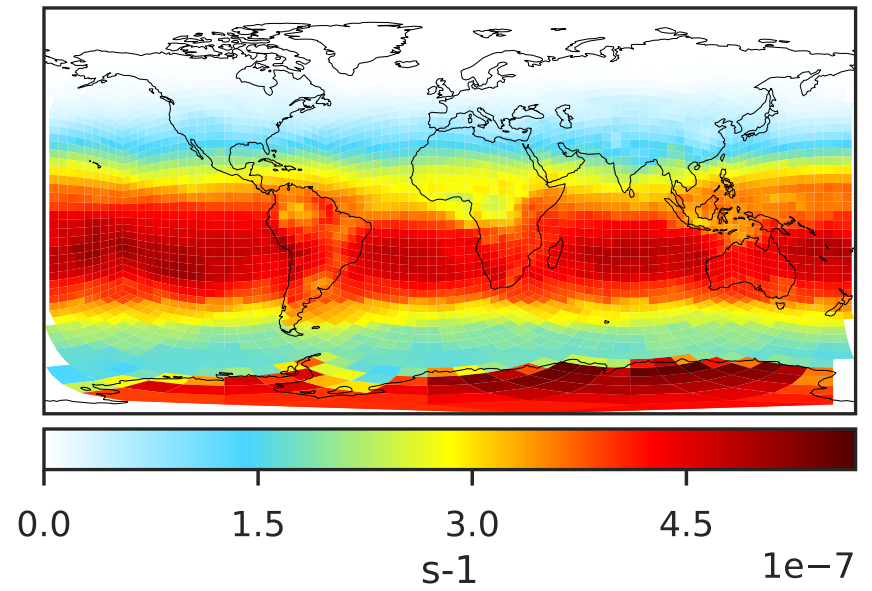
0.50 0.75 1.00 1.50 2.00
unitless

Jval_CHBr3 (Jan2019)

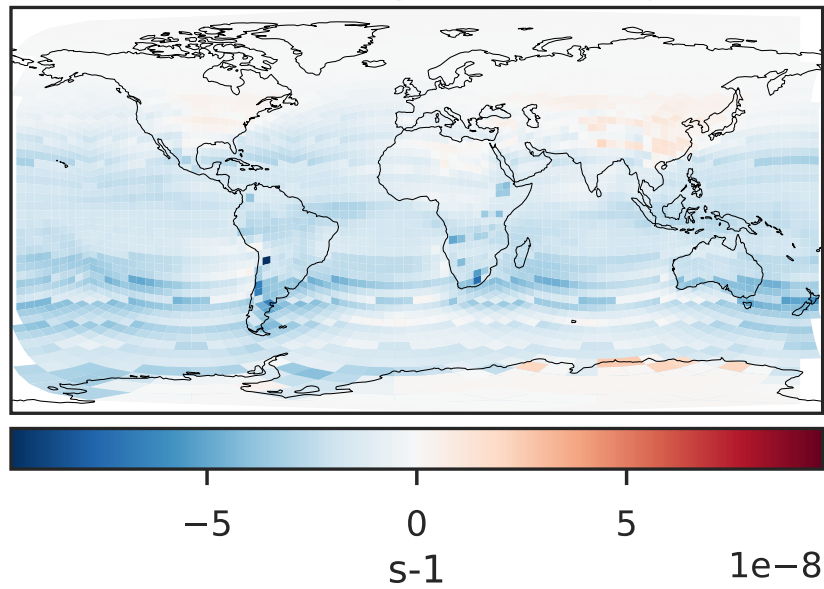
14.2.0-rc.2 (Ref)
c24



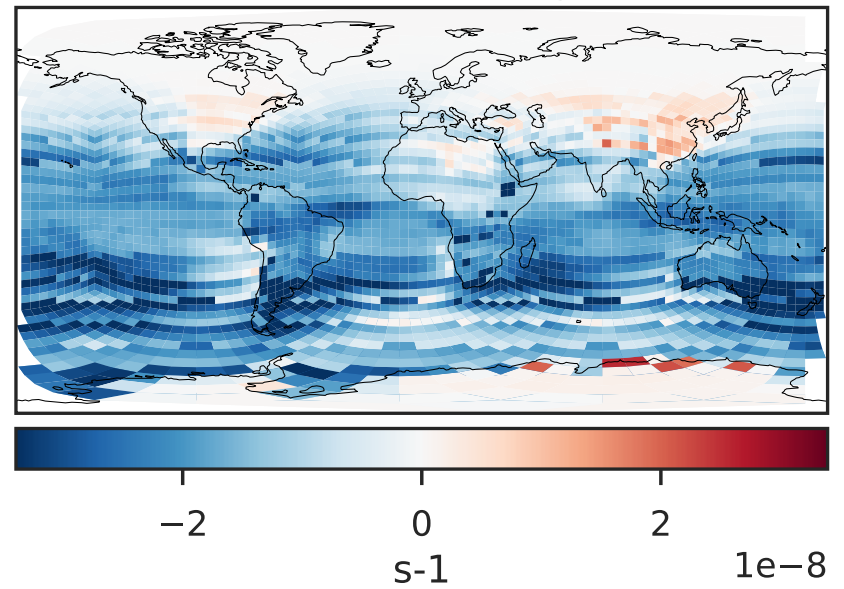
14.3.0-rc.0 (Dev)
c24



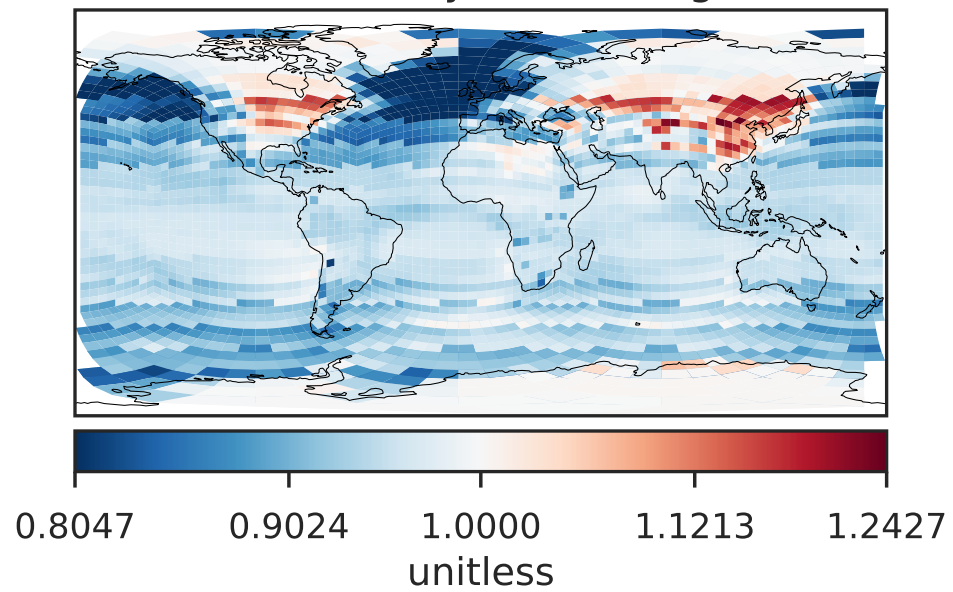
Difference
Dev - Ref, Dynamic Range



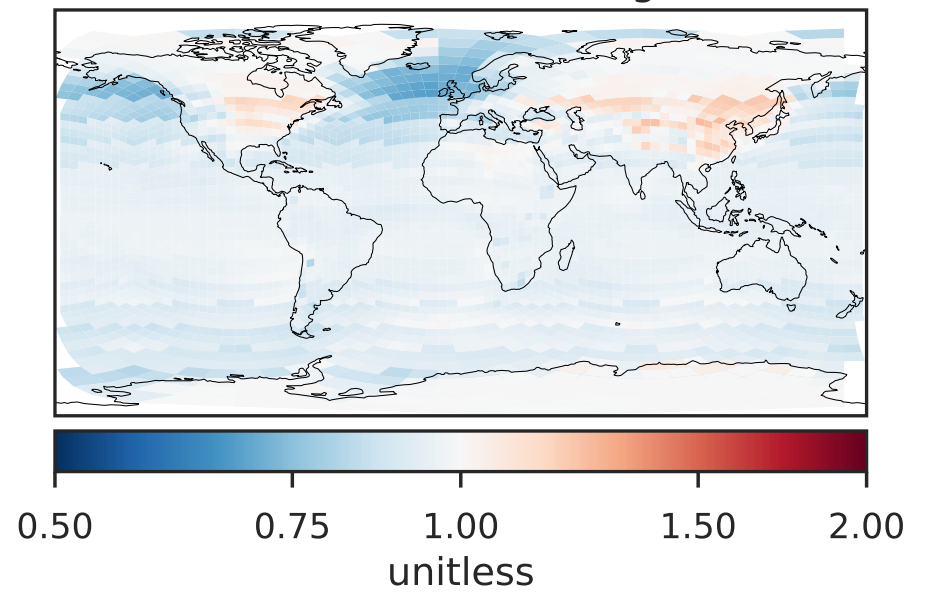
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range



Ratio
Dev/Ref, Fixed Range



Jval_CHCl3 (Jan2019)

14.2.0-rc.2 (Ref)
c24



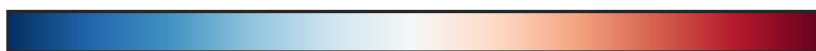
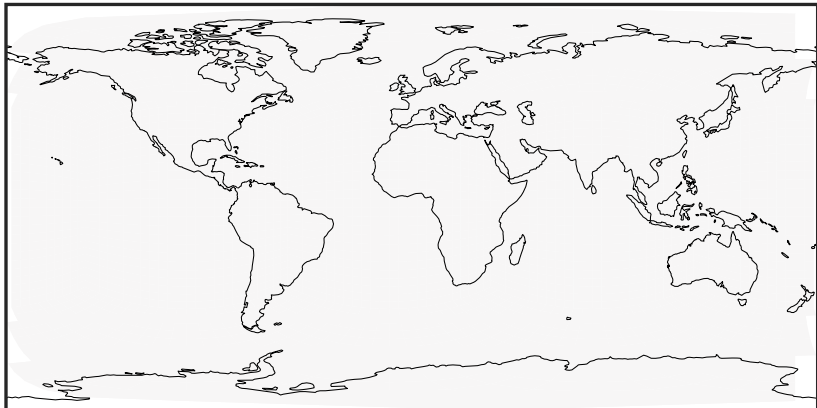
Zero throughput domain
s-1

14.3.0-rc.0 (Dev)
c24



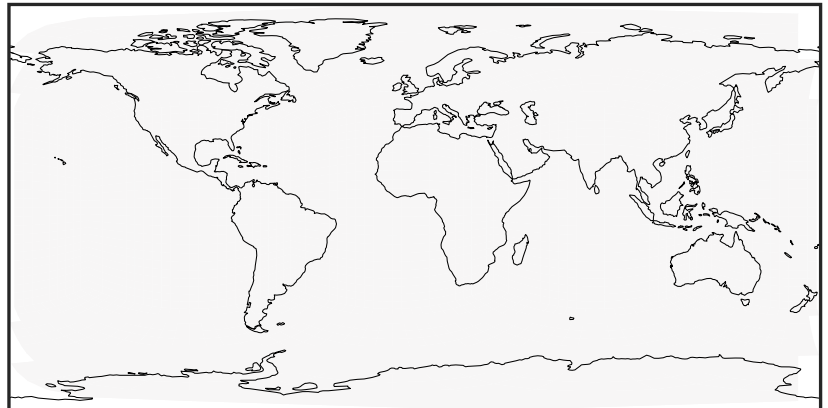
Zero throughput domain
s-1

Difference
Dev - Ref, Dynamic Range



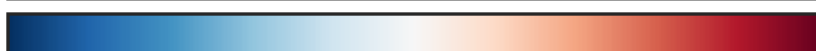
Zero throughput domain
s-1

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



Zero throughput domain
s-1

Ratio
Dev/Ref, Dynamic Range



Undefined throughout domain
unitless

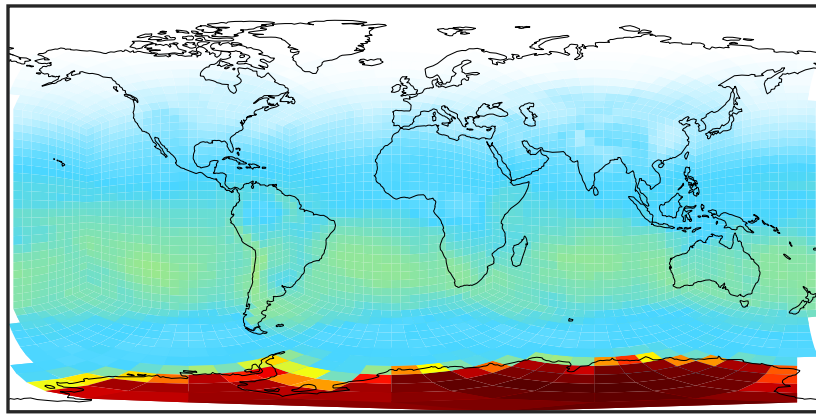
Ratio
Dev/Ref, Fixed Range



Undefined throughout domain
unitless

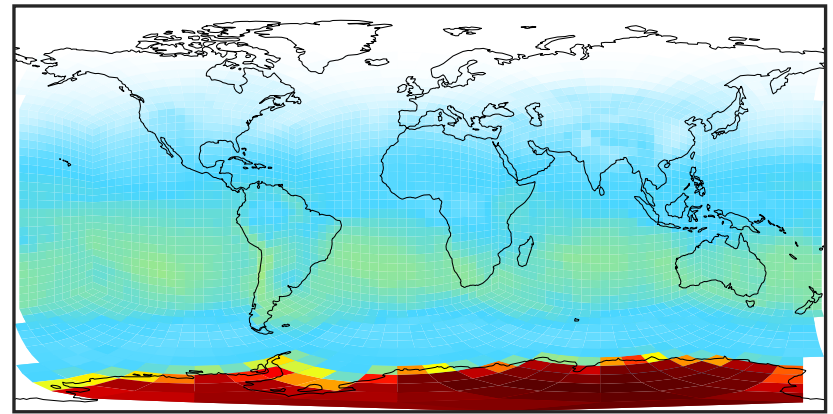
Jval_CI2 (Jan2019)

14.2.0-rc.2 (Ref)
c24



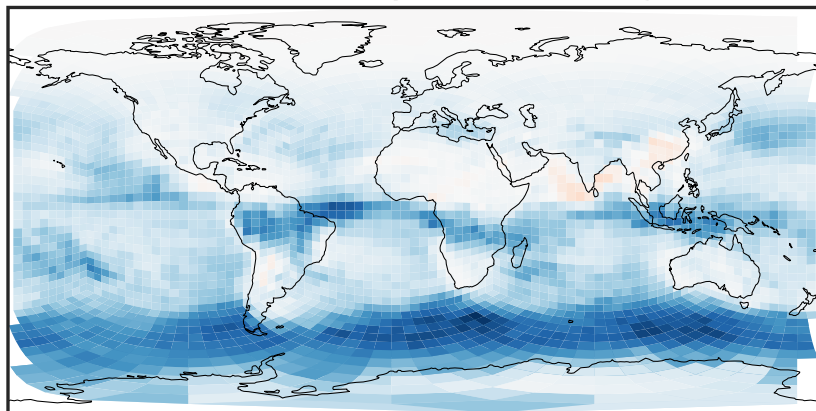
0.0000 0.0008 0.0016 0.0024
s-1

14.3.0-rc.0 (Dev)
c24



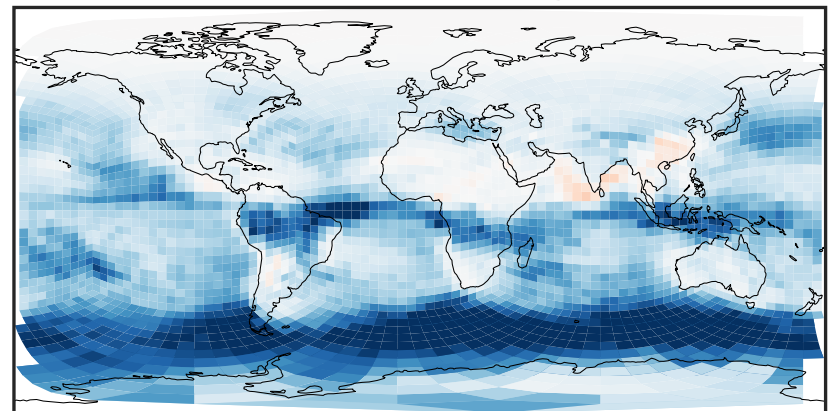
0.0000 0.0008 0.0016 0.0024
s-1

Difference
Dev - Ref, Dynamic Range



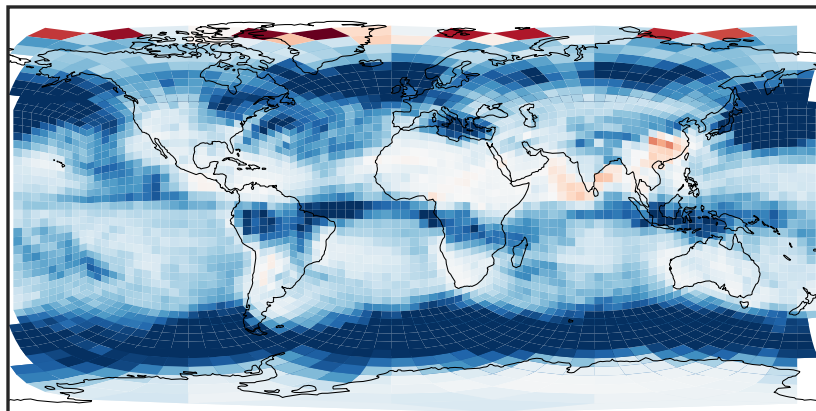
-2.5 0.0 2.5
s-1 1e-5

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



-2 0 2
s-1 1e-5

Ratio
Dev/Ref, Dynamic Range



0.95612 0.97806 1.00000 1.02295 1.04589
unitless

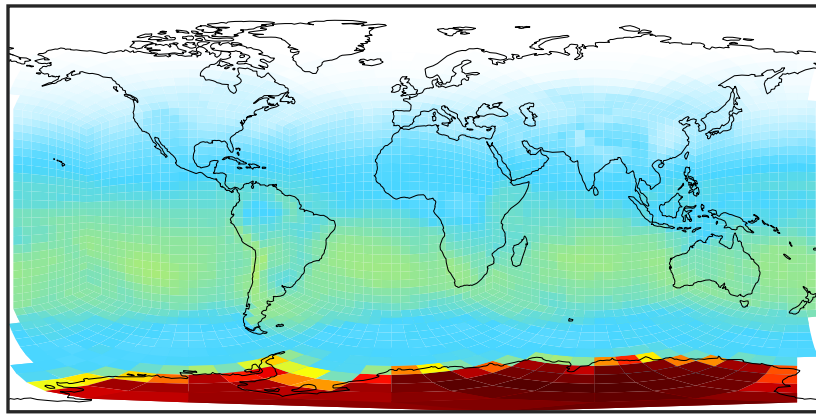
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

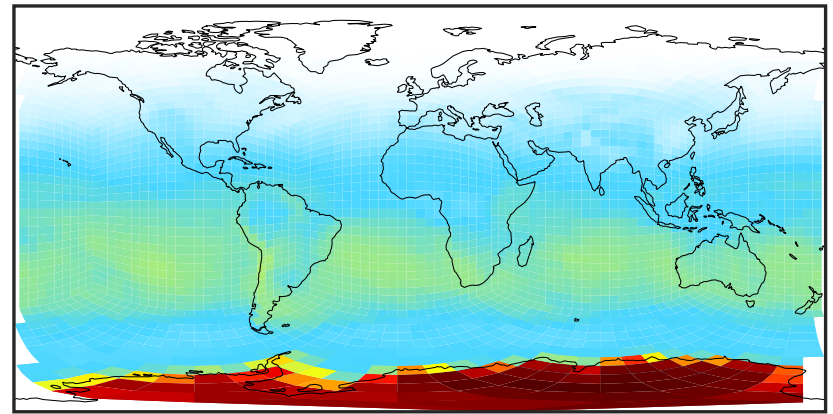
Jval_CI202 (Jan2019)

14.2.0-rc.2 (Ref)
c24



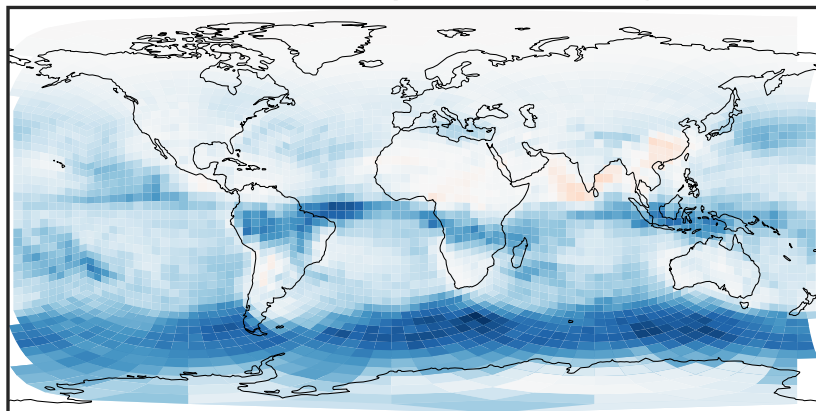
0.0000 0.0006 0.0012 0.0018
s-1

14.3.0-rc.0 (Dev)
c24



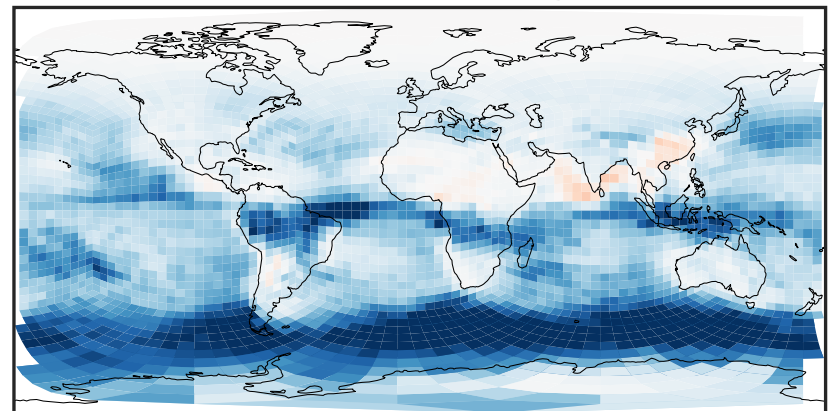
0.0000 0.0006 0.0012 0.0018
s-1

Difference
Dev - Ref, Dynamic Range



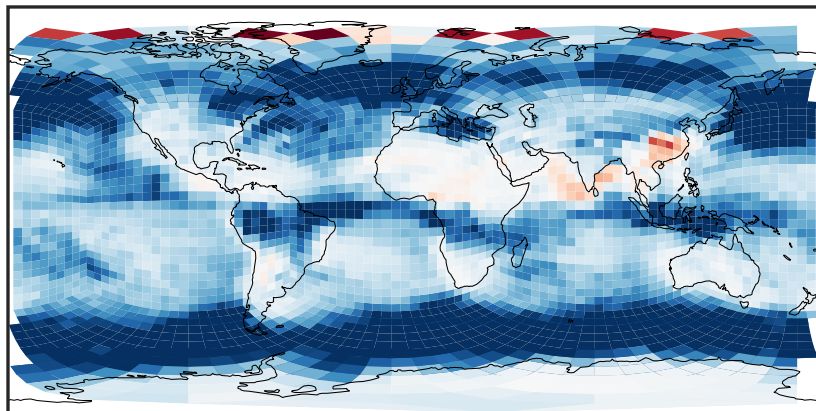
-2 0 2
s-1 1e-5

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



-1.5 0.0 1.5
s-1 1e-5

Ratio
Dev/Ref, Dynamic Range



0.96010 0.98005 1.00000 1.02078 1.04156
unitless

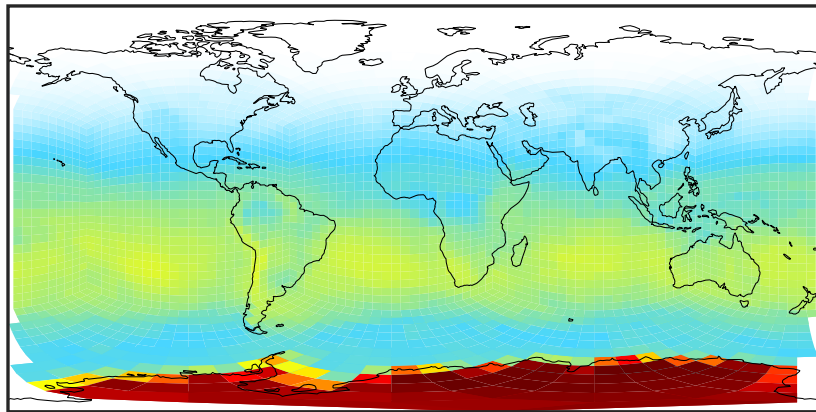
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

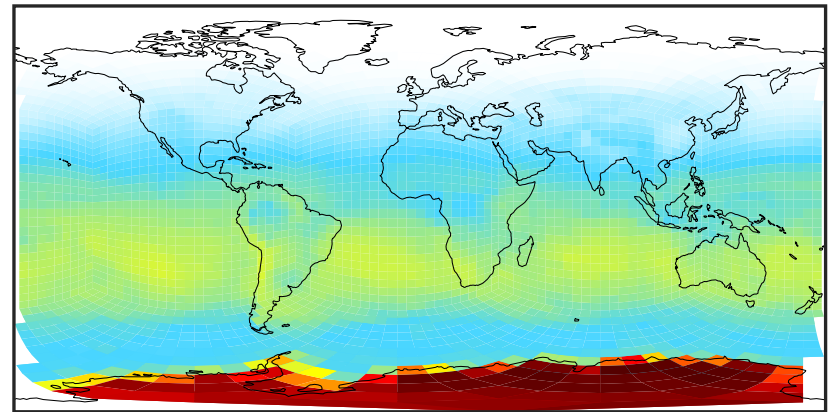
Jval_CINO2 (Jan2019)

14.2.0-rc.2 (Ref)
c24



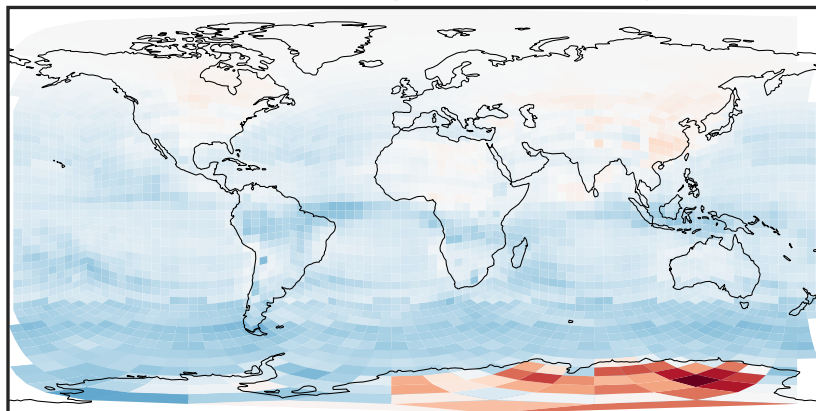
0.0000 0.0001 0.0002 0.0003
s-1

14.3.0-rc.0 (Dev)
c24



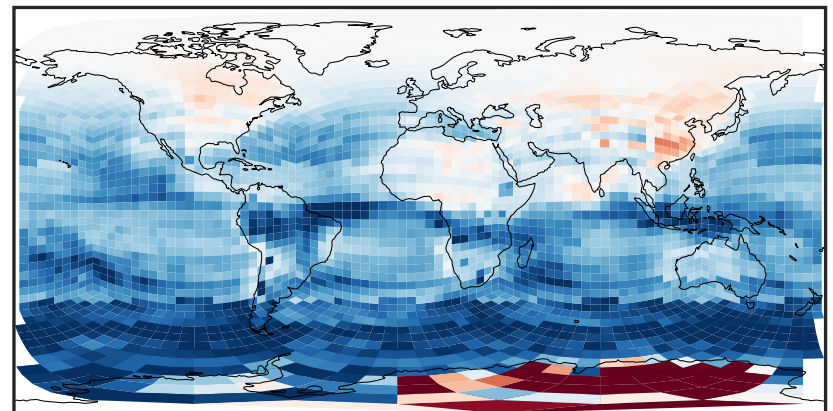
0.0000 0.0001 0.0002 0.0003
s-1

Difference
Dev - Ref, Dynamic Range



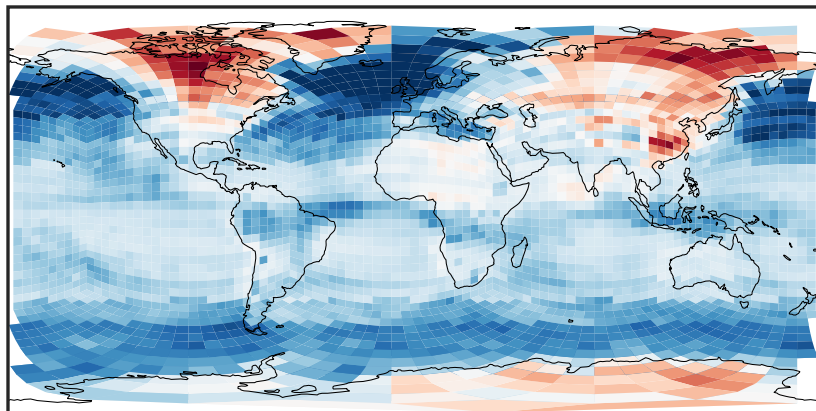
-1 0 1
s-1 1e-5

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



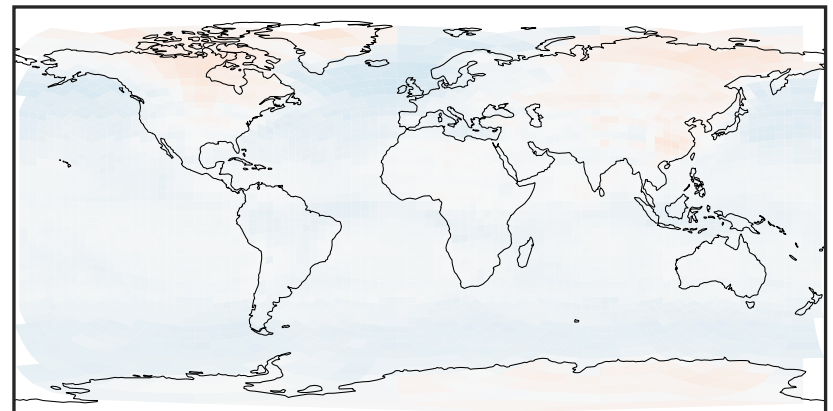
-3 0 3
s-1 1e-6

Ratio
Dev/Ref, Dynamic Range



0.9171 0.9585 1.0000 1.0452 1.0904
unitless

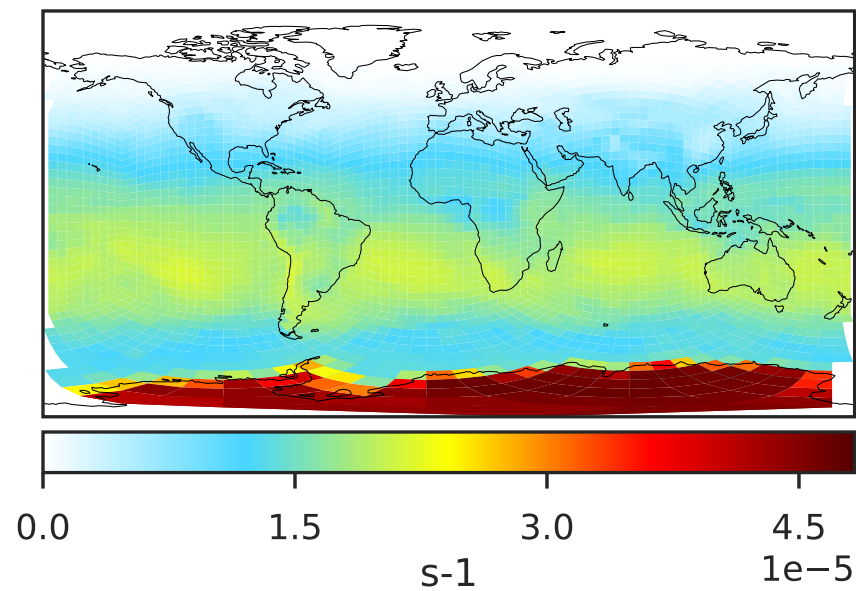
Ratio
Dev/Ref, Fixed Range



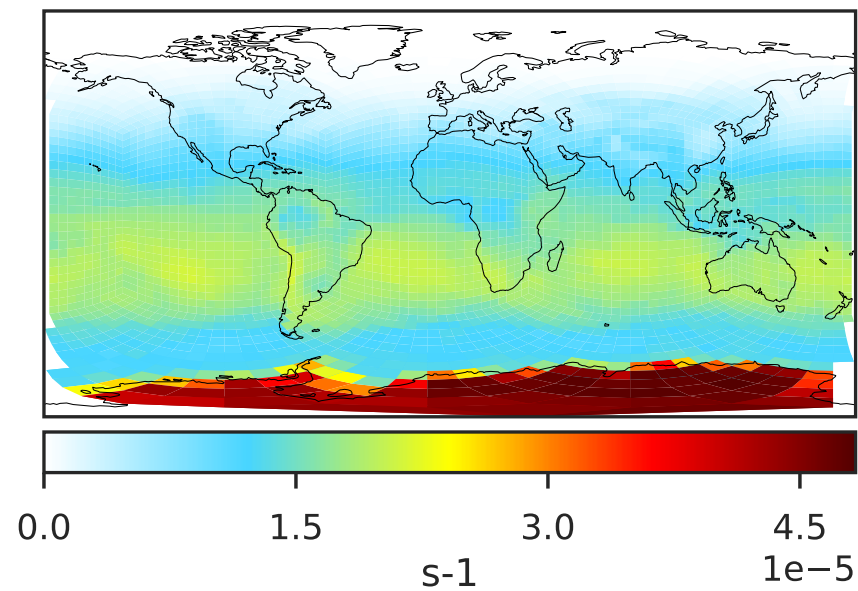
0.50 0.75 1.00 1.50 2.00
unitless

Jval_CINO3 (Jan2019)

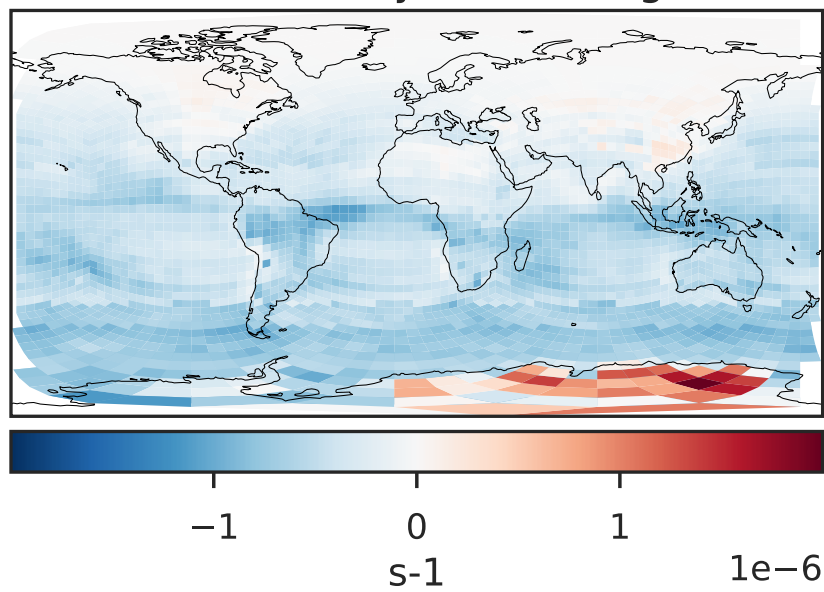
14.2.0-rc.2 (Ref)
c24



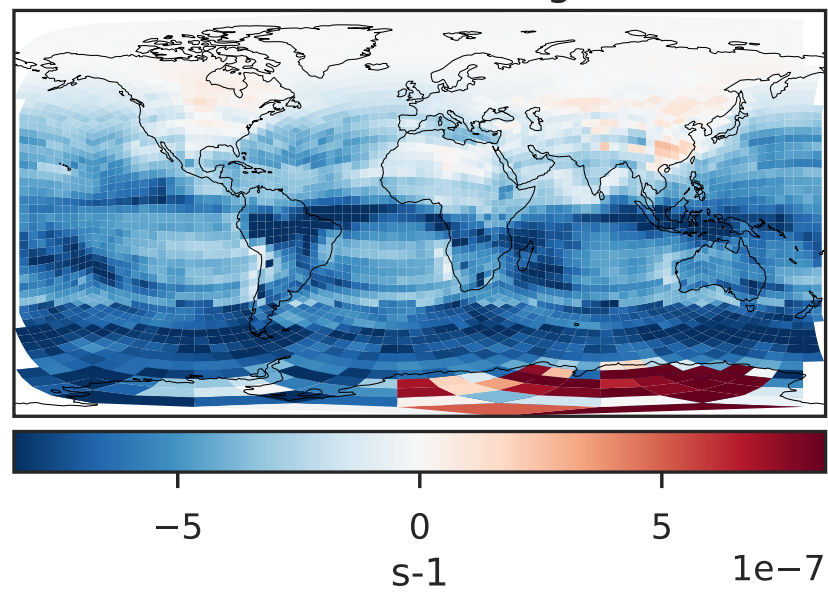
14.3.0-rc.0 (Dev)
c24



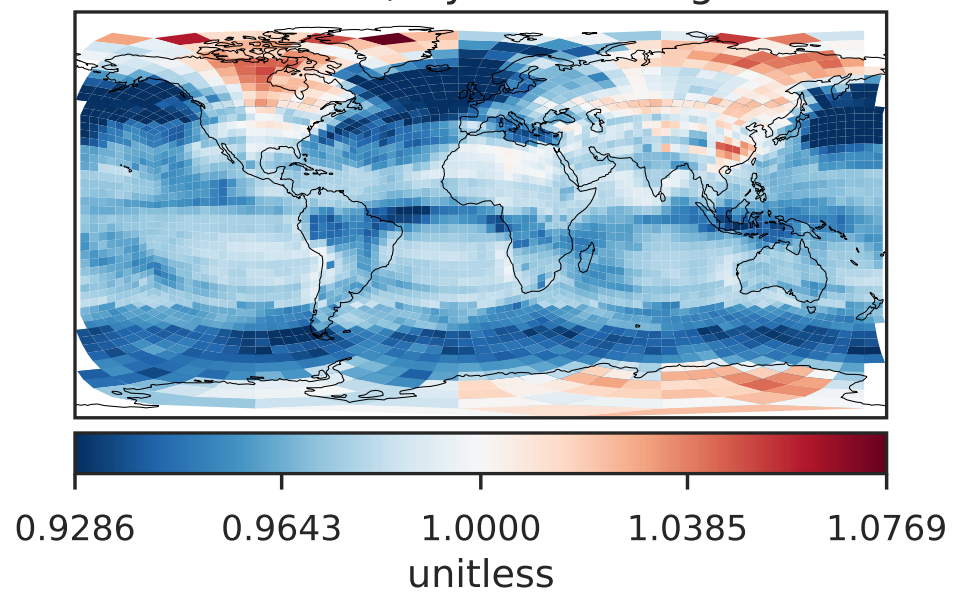
Difference
Dev - Ref, Dynamic Range



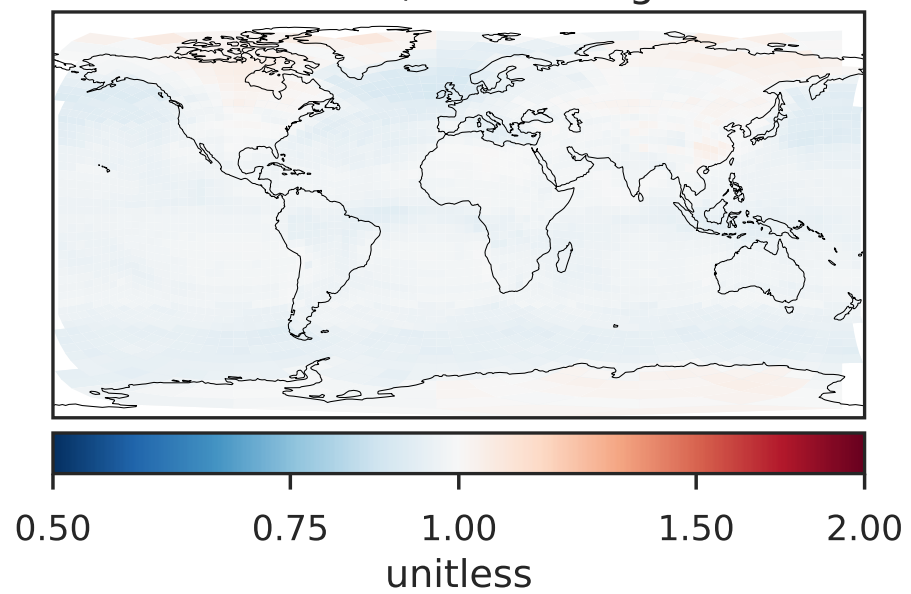
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

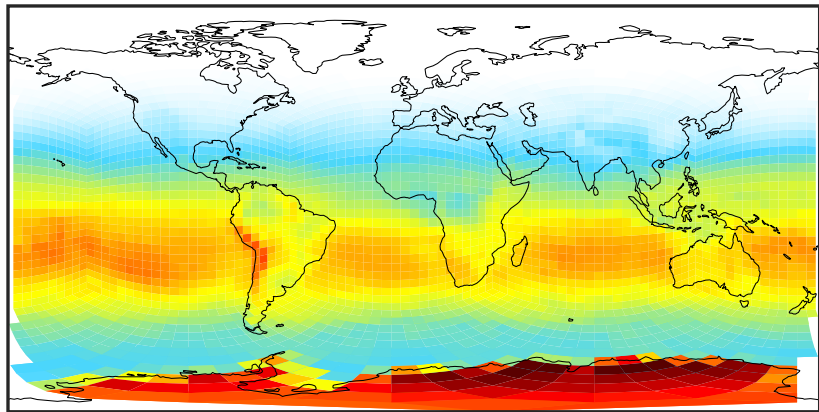


Ratio
Dev/Ref, Fixed Range



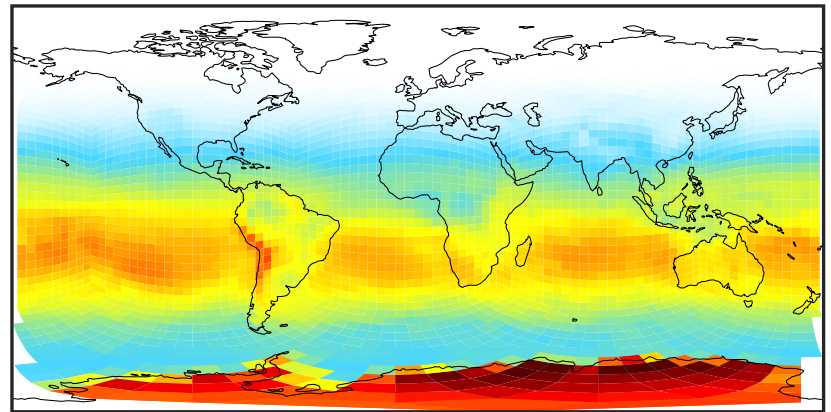
Jval_CIO (Jan2019)

14.2.0-rc.2 (Ref)
c24



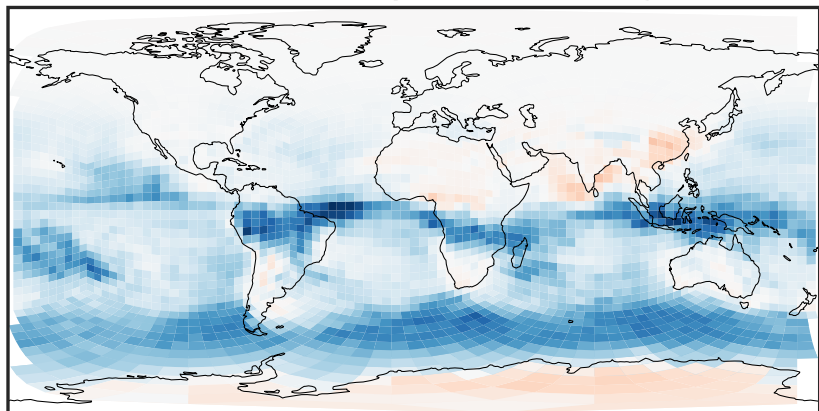
0.00000 0.00004 0.00008 0.00012 s-1

14.3.0-rc.0 (Dev)
c24



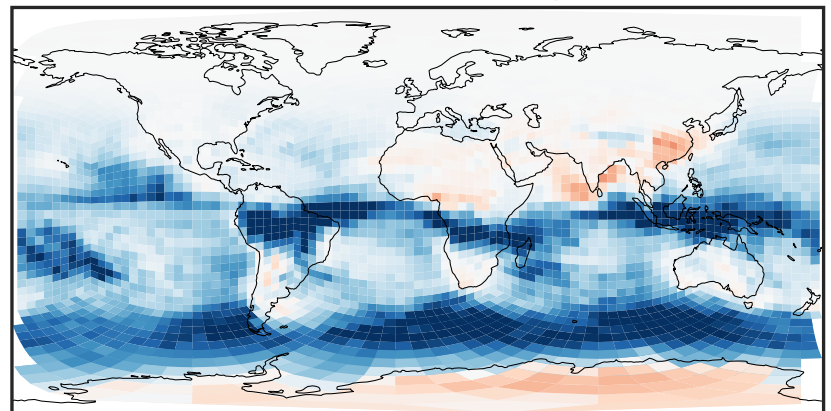
0.00000 0.00004 0.00008 0.00012 s-1

Difference
Dev - Ref, Dynamic Range



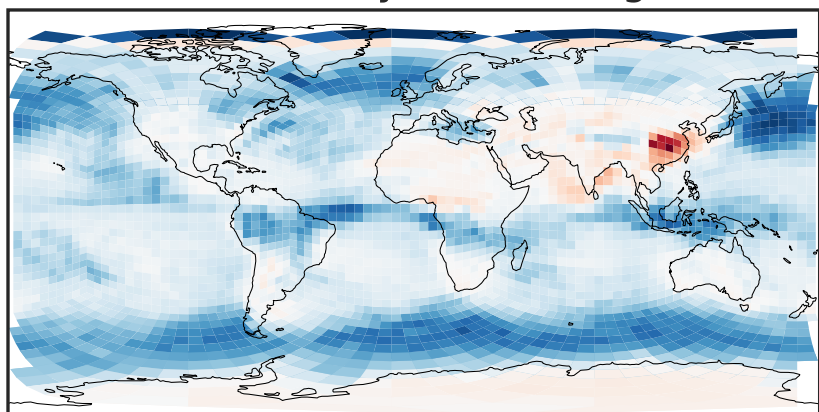
-1.5 0.0 1.5 s-1 1e-6

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



-1 0 1 s-1 1e-6

Ratio
Dev/Ref, Dynamic Range



0.9355 0.9677 1.0000 1.0345 1.0690 unitless

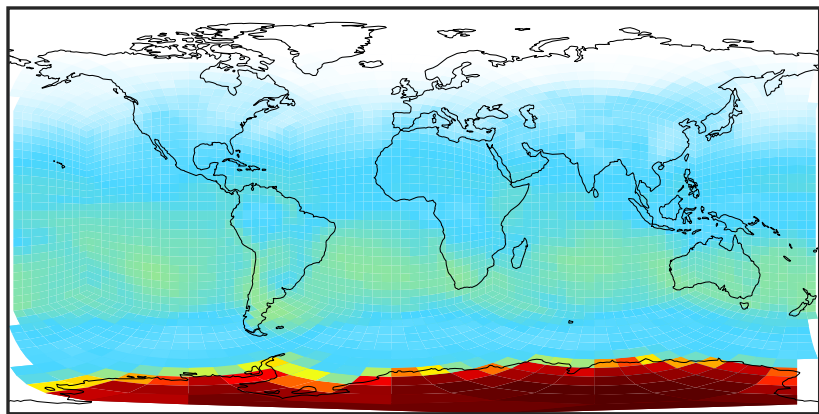
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00 unitless

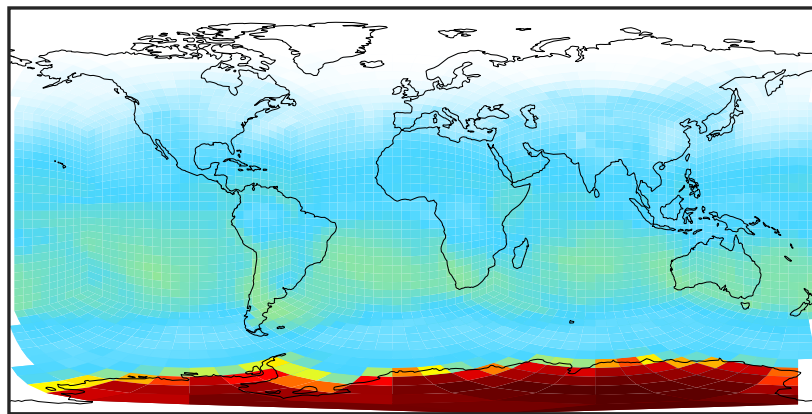
Jval_C100 (Jan2019)

14.2.0-rc.2 (Ref)
c24



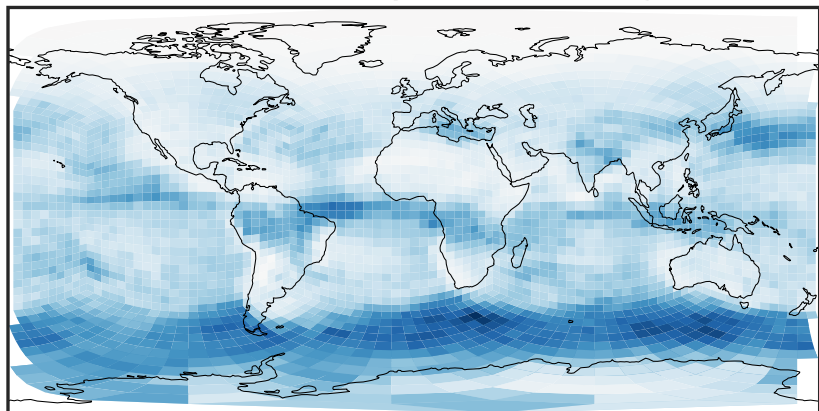
0.0000 0.1843 0.3686 0.5528 0.7371
s-1

14.3.0-rc.0 (Dev)
c24



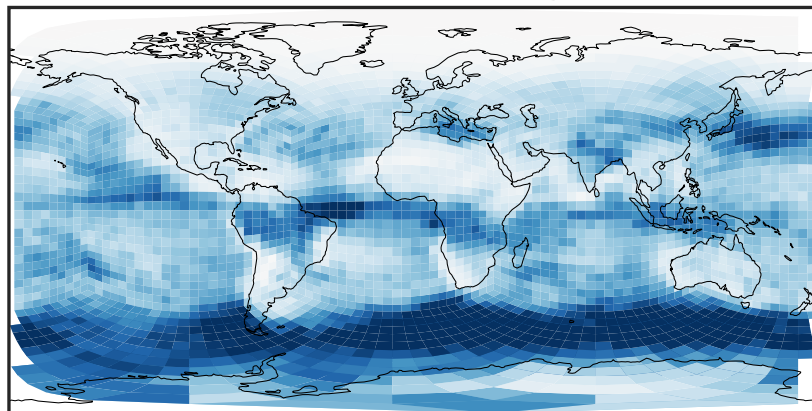
0.0000 0.1843 0.3686 0.5528 0.7371
s-1

Difference
Dev - Ref, Dynamic Range



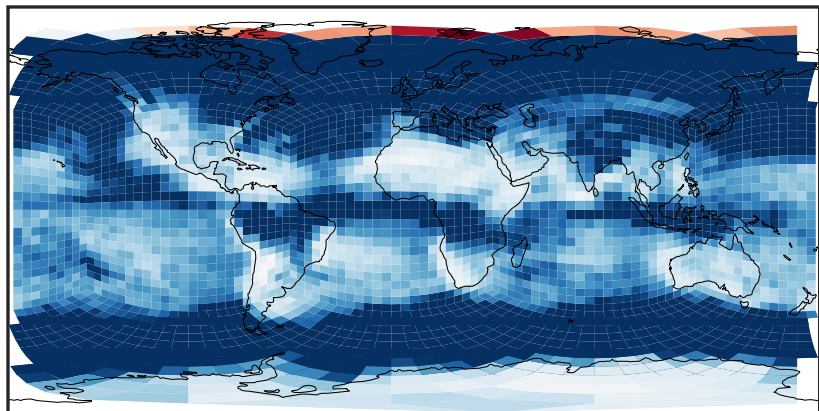
-0.01 0.00 0.01
s-1

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



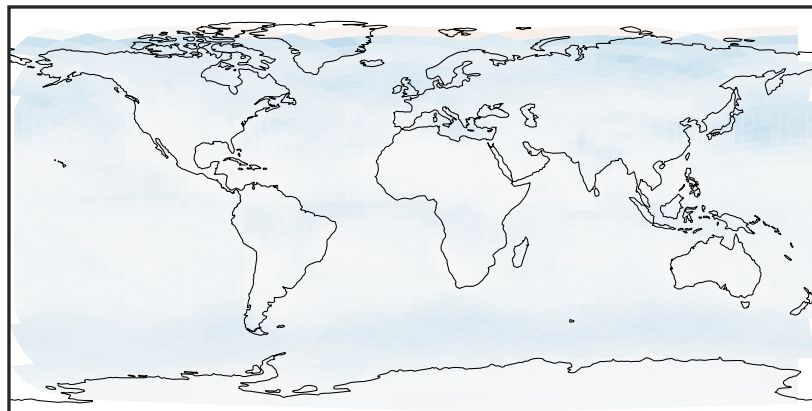
-0.008 0.000 0.008
s-1

Ratio
Dev/Ref, Dynamic Range



0.95882 0.97941 1.00000 1.02147 1.04294
unitless

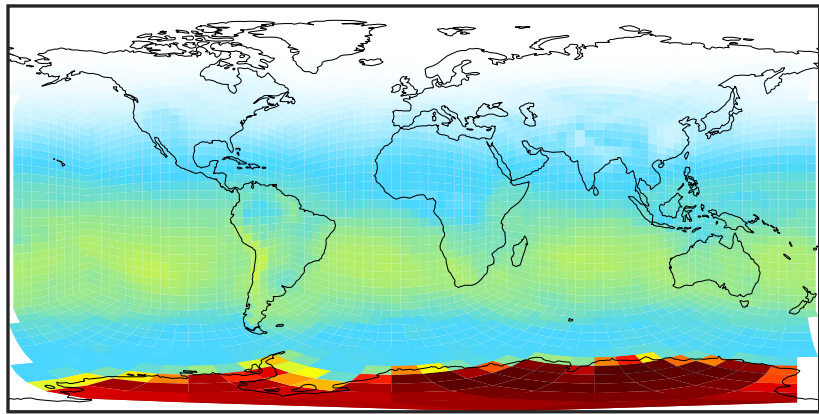
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

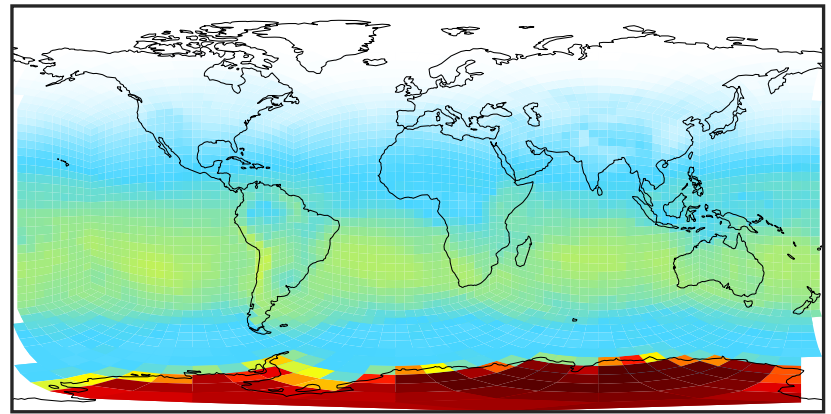
Jval_ETHLN (Jan2019)

14.2.0-rc.2 (Ref)
c24



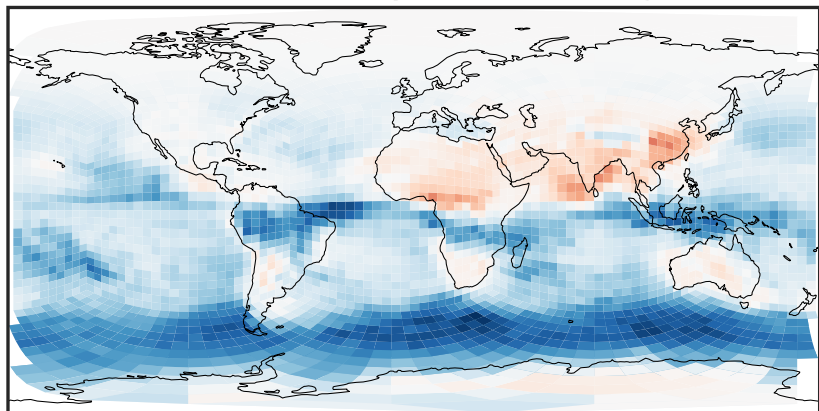
0.00000 0.00004 0.00008 0.00012
s-1

14.3.0-rc.0 (Dev)
c24



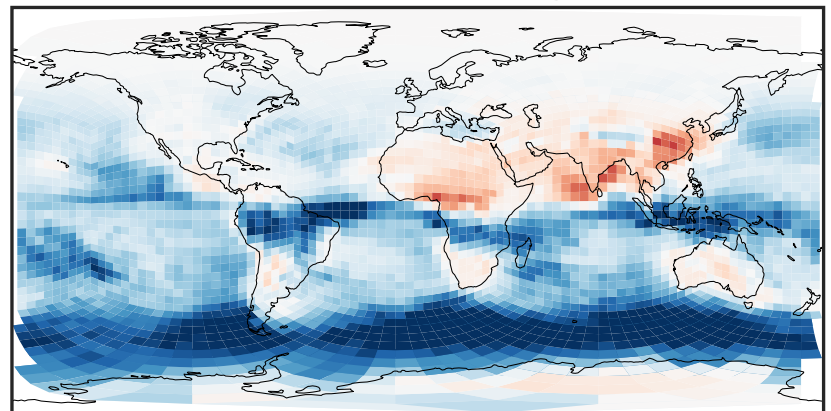
0.00000 0.00004 0.00008 0.00012
s-1

Difference
Dev - Ref, Dynamic Range



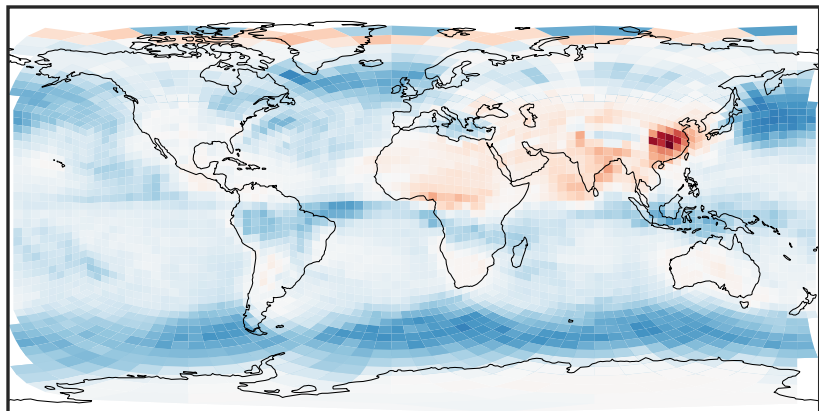
-1.5 0.0 1.5
s-1 1e-6

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



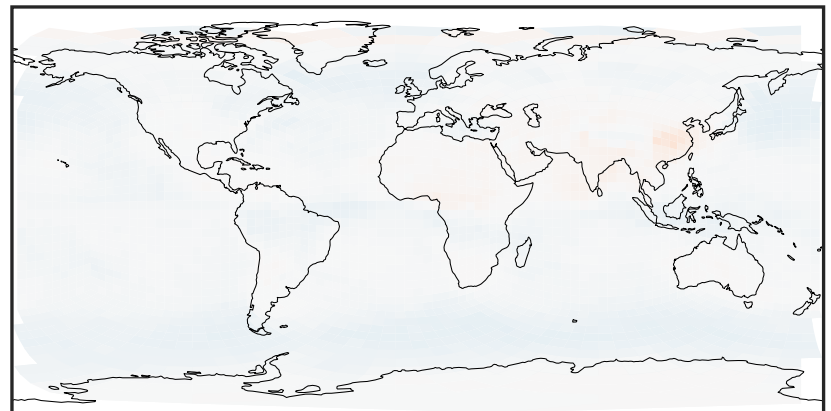
-8 0 8
s-1 1e-7

Ratio
Dev/Ref, Dynamic Range



0.9088 0.9544 1.0000 1.0502 1.1004
unitless

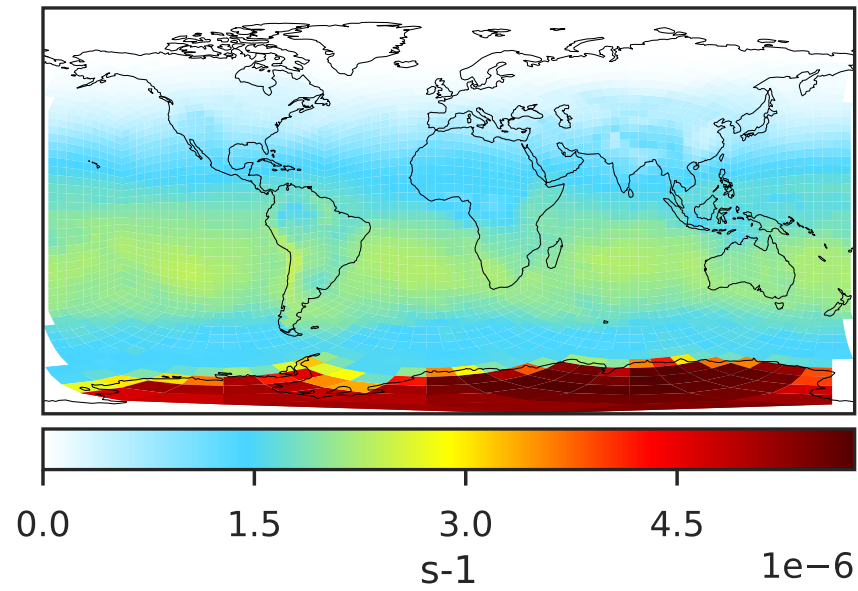
Ratio
Dev/Ref, Fixed Range



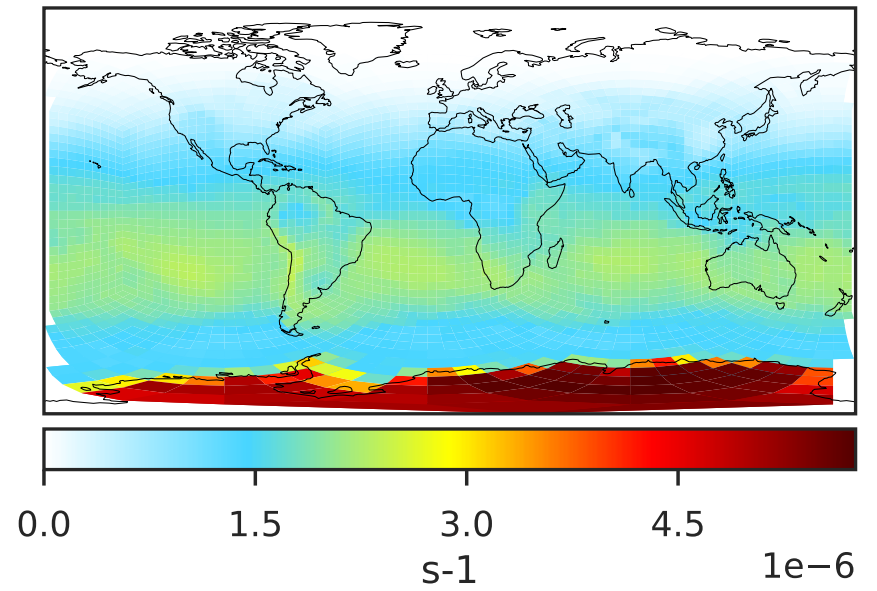
0.50 0.75 1.00 1.50 2.00
unitless

Jval_ETHP (Jan2019)

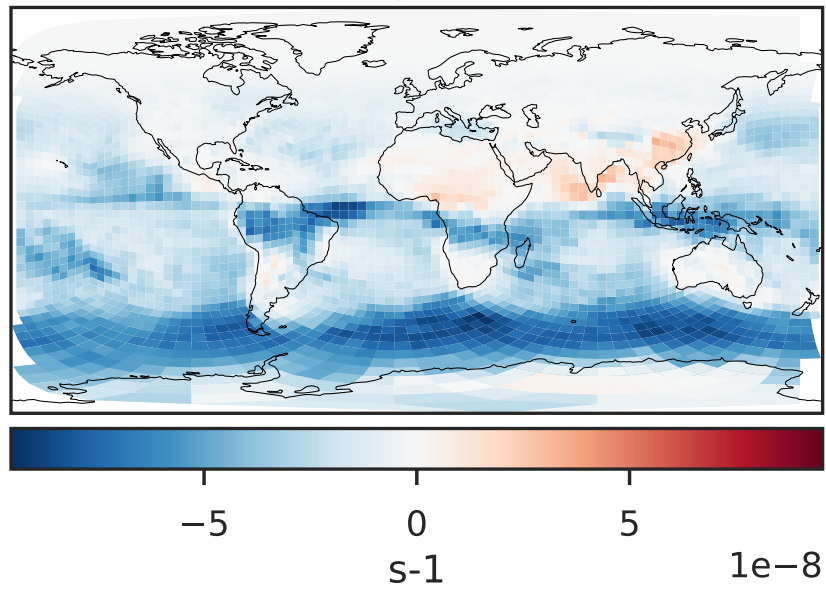
14.2.0-rc.2 (Ref)
c24



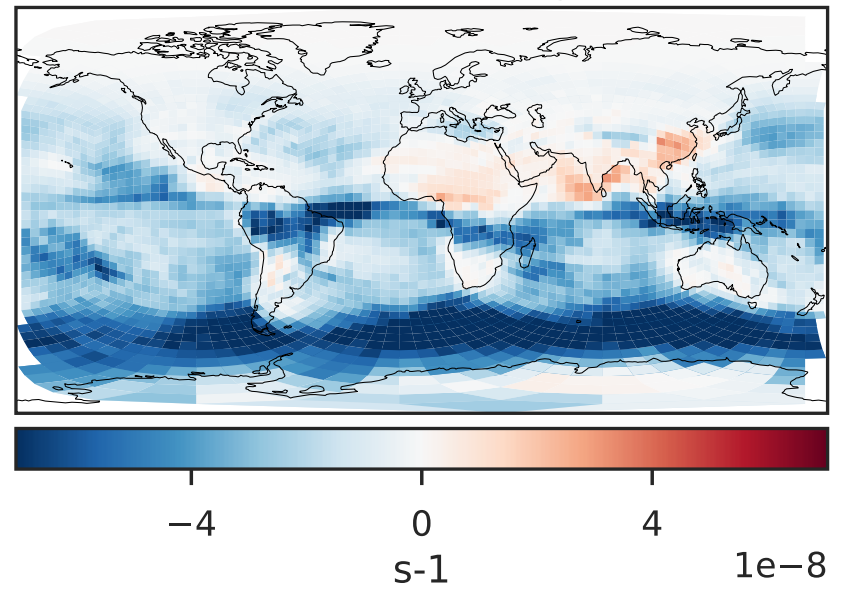
14.3.0-rc.0 (Dev)
c24



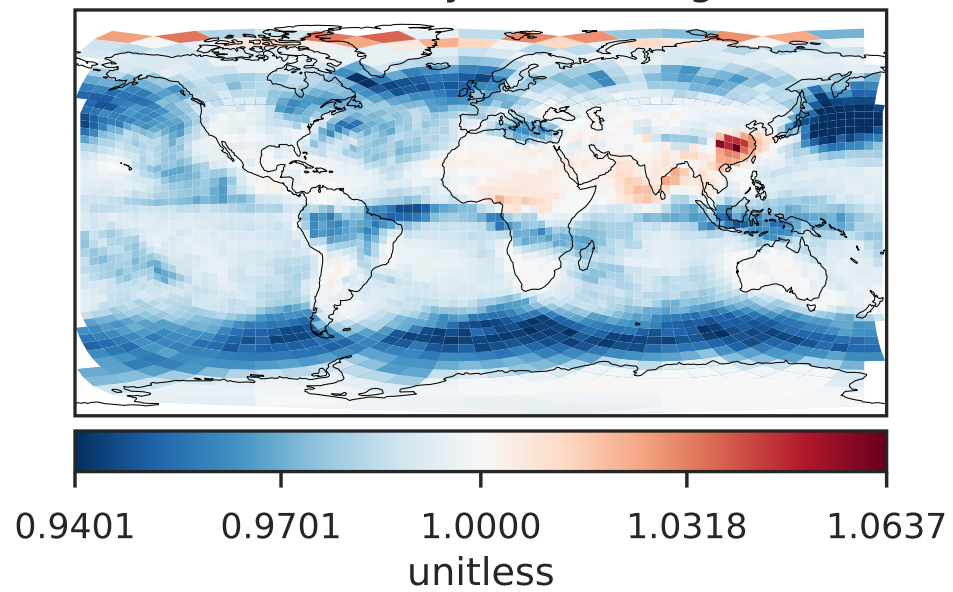
Difference
Dev - Ref, Dynamic Range



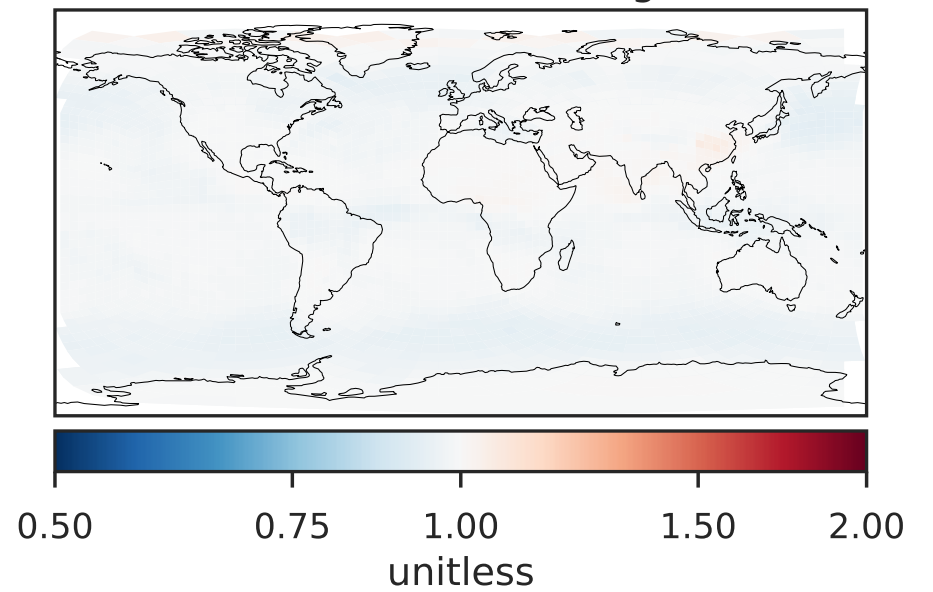
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

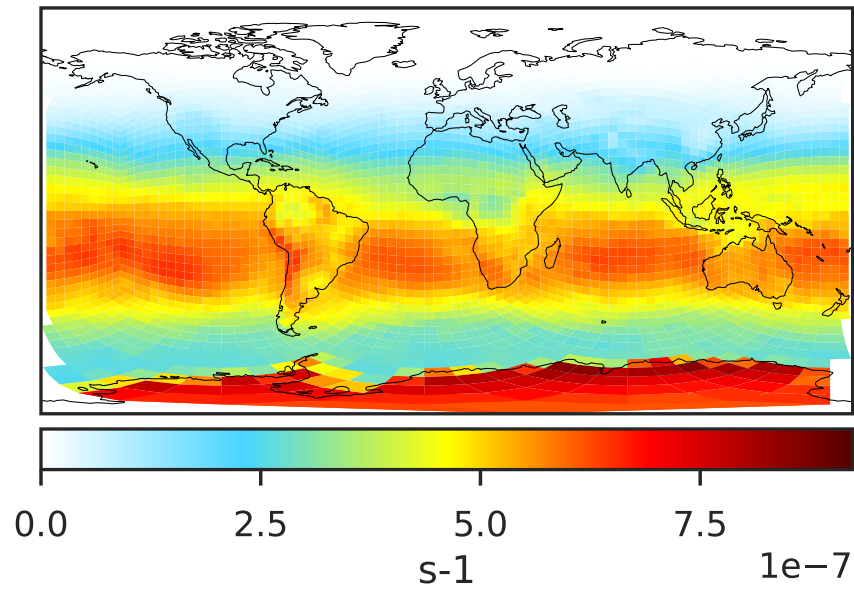


Ratio
Dev/Ref, Fixed Range

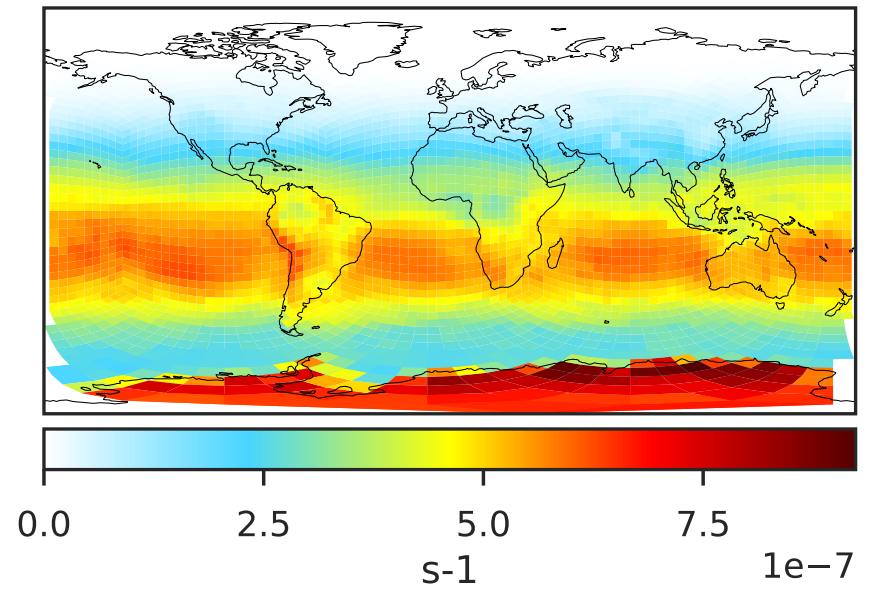


Jval_ETNO3 (Jan2019)

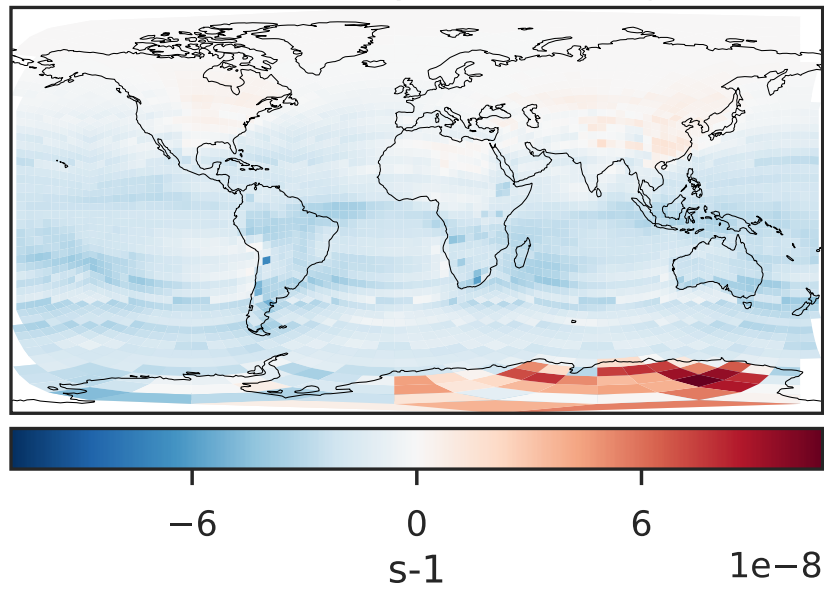
14.2.0-rc.2 (Ref)
c24



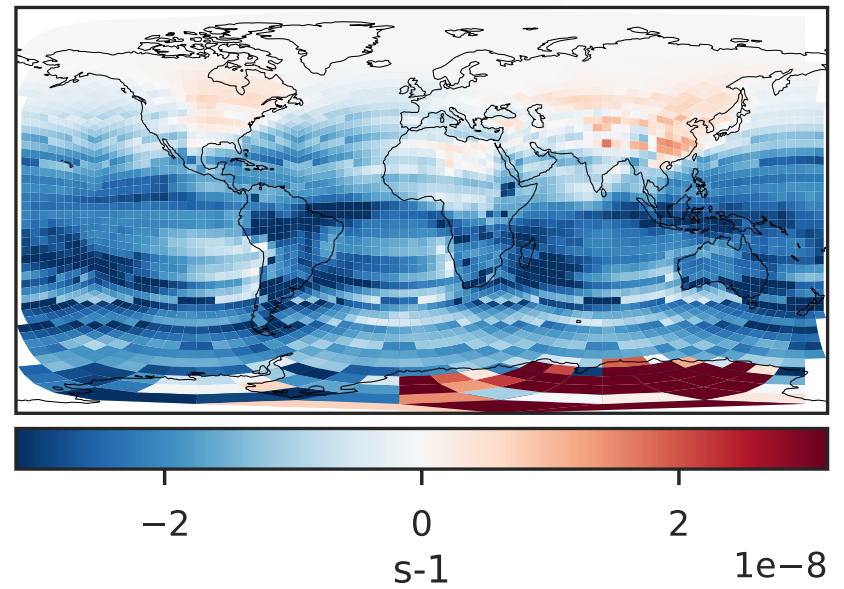
14.3.0-rc.0 (Dev)
c24



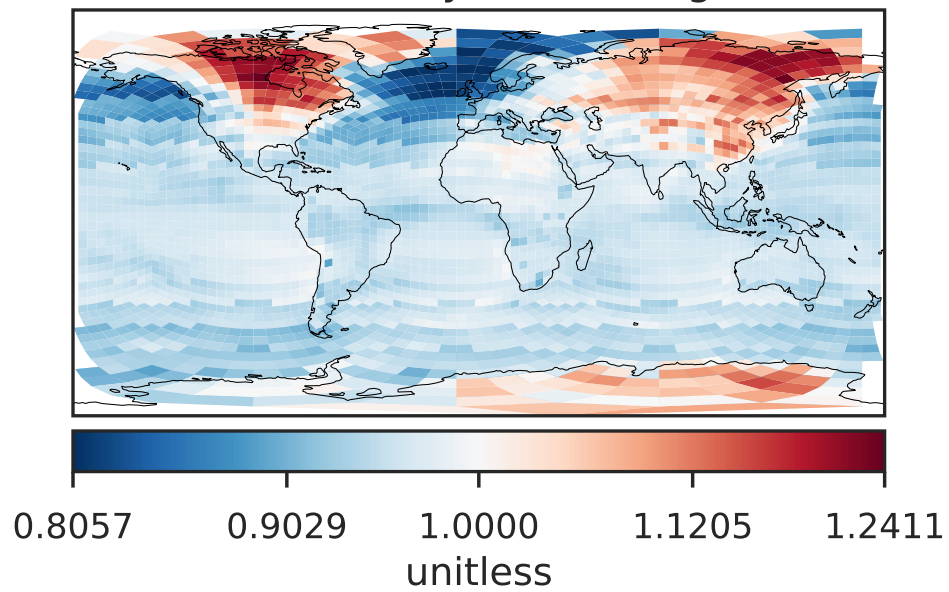
Difference
Dev - Ref, Dynamic Range



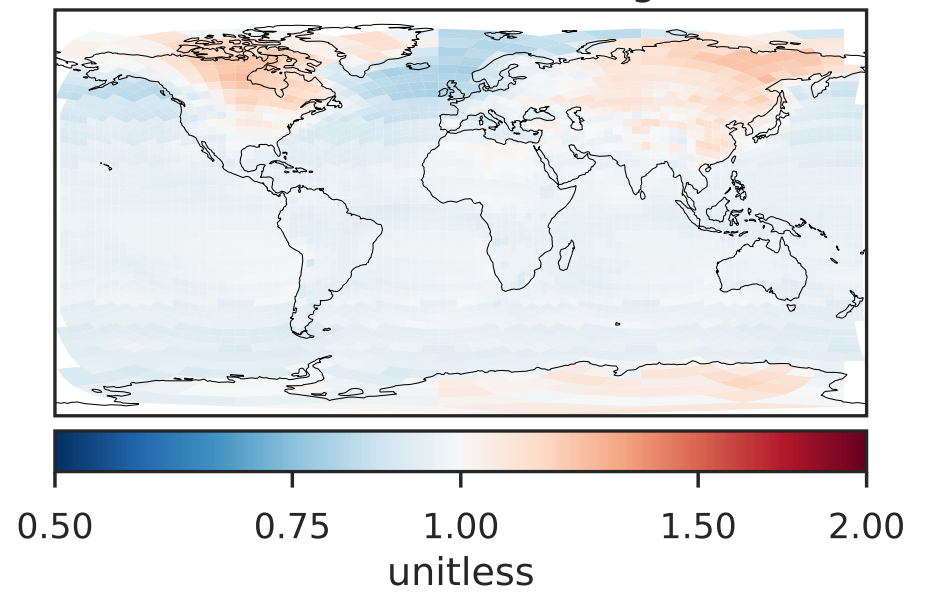
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

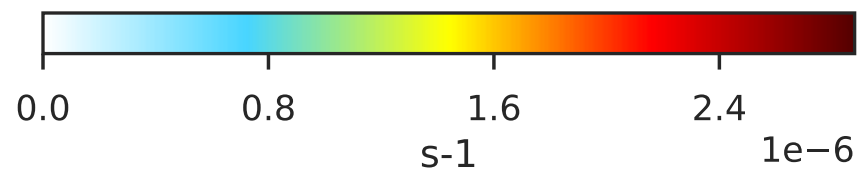
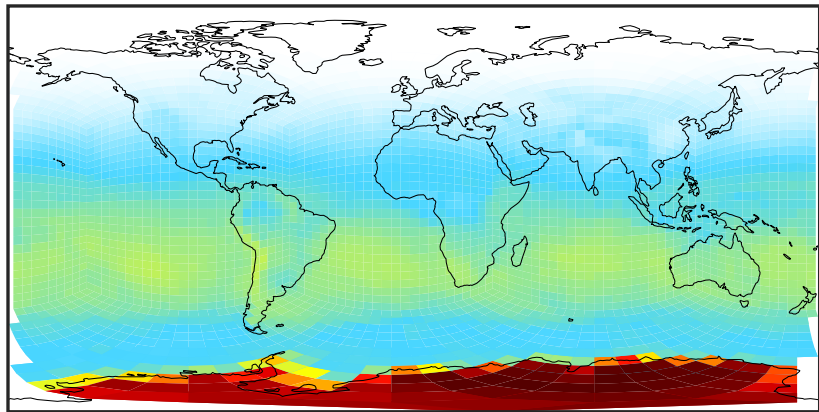


Ratio
Dev/Ref, Fixed Range

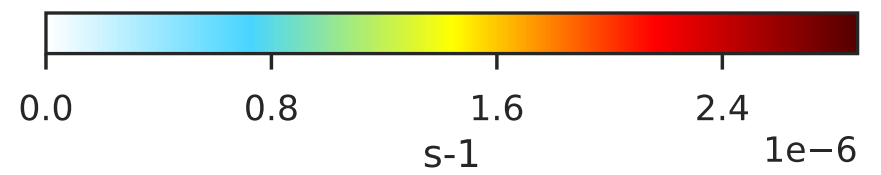
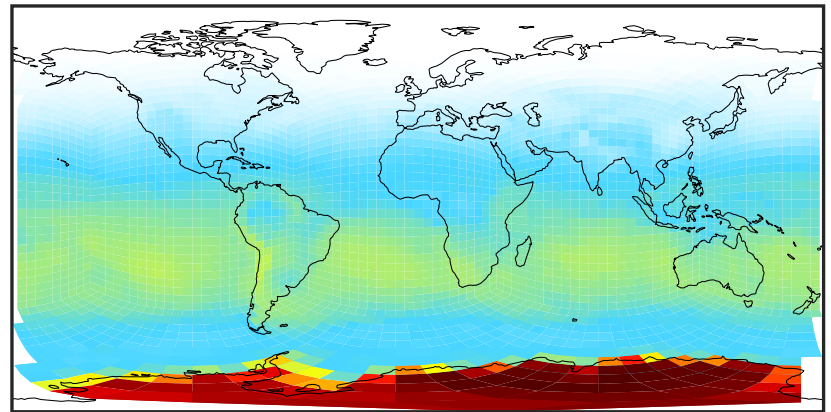


Jval_ETP (Jan2019)

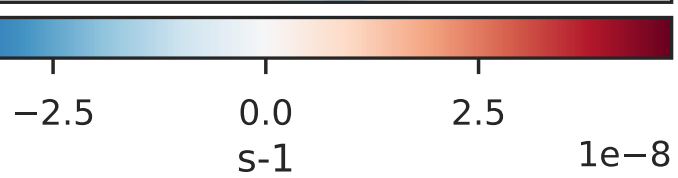
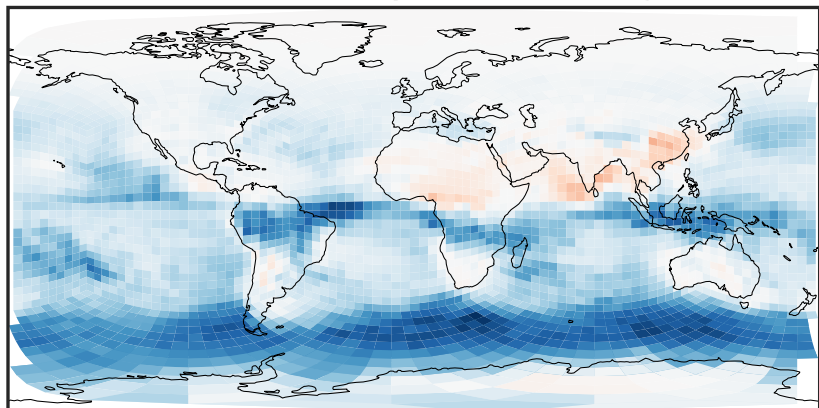
14.2.0-rc.2 (Ref)
c24



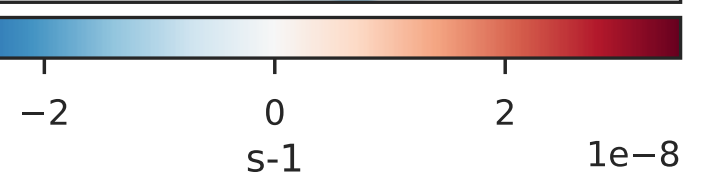
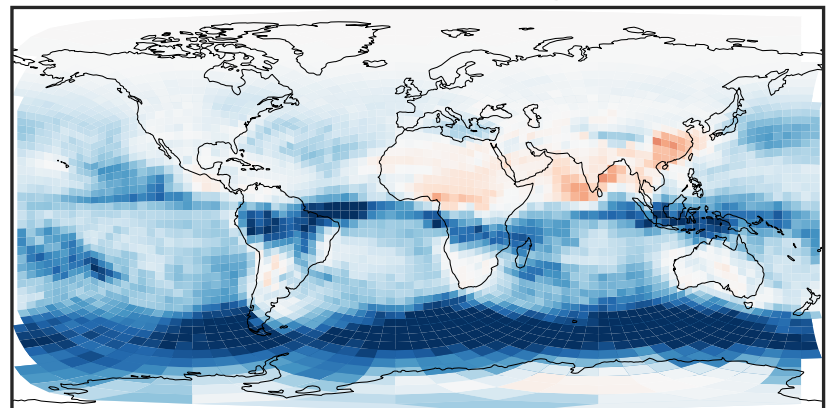
14.3.0-rc.0 (Dev)
c24



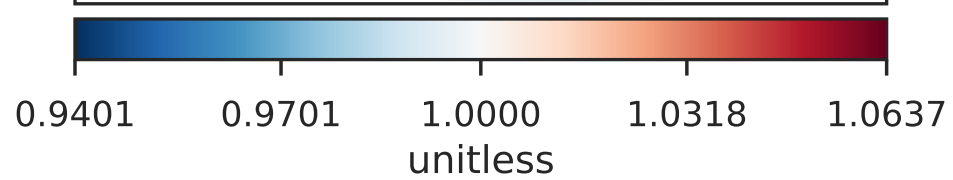
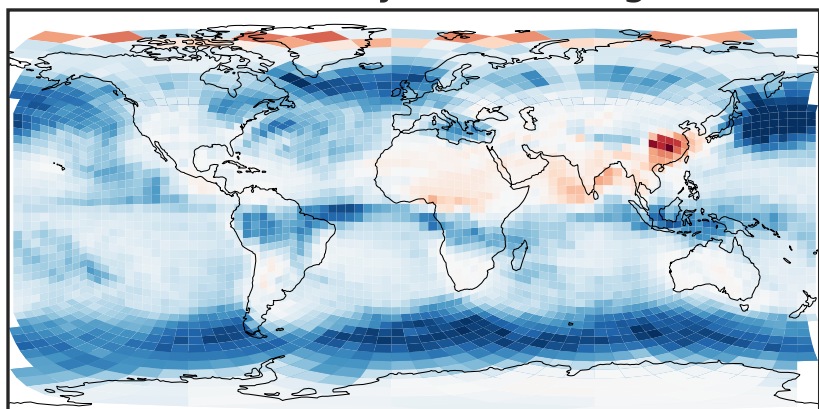
Difference
Dev - Ref, Dynamic Range



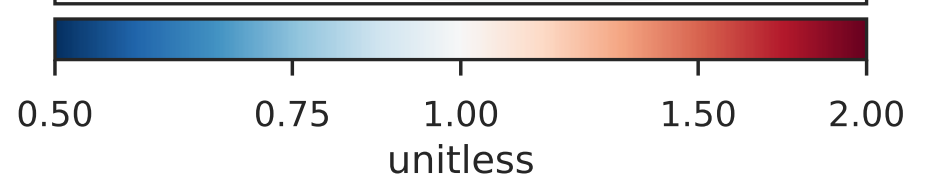
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

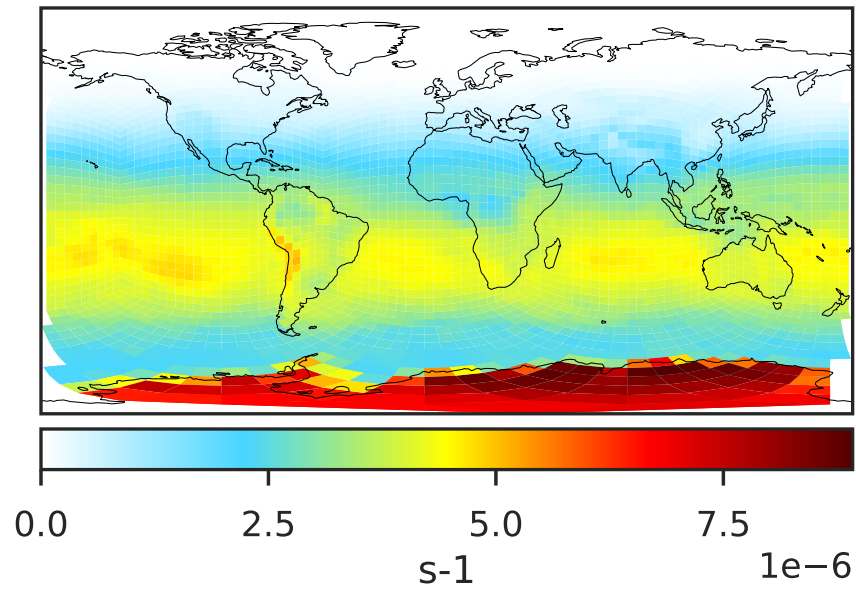


Ratio
Dev/Ref, Fixed Range

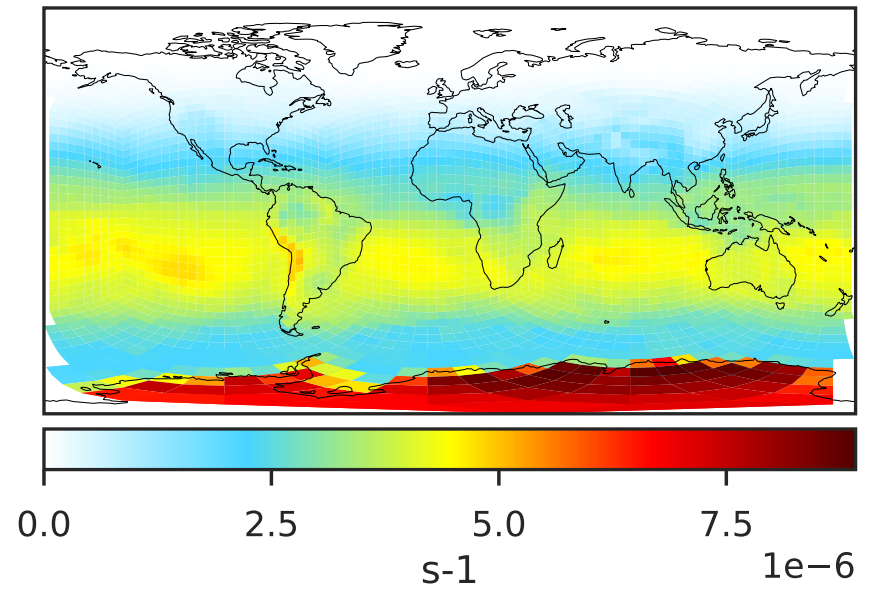


Jval_GLYC (Jan2019)

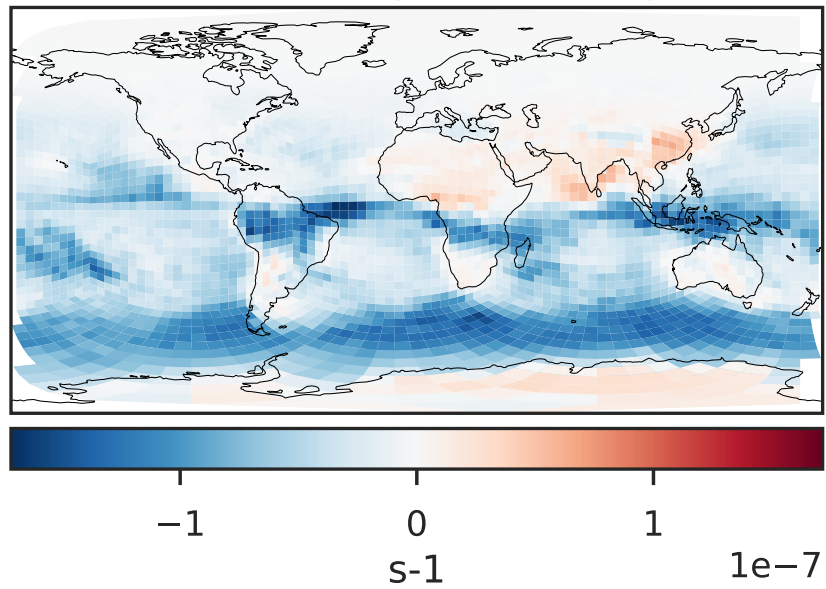
14.2.0-rc.2 (Ref)
c24



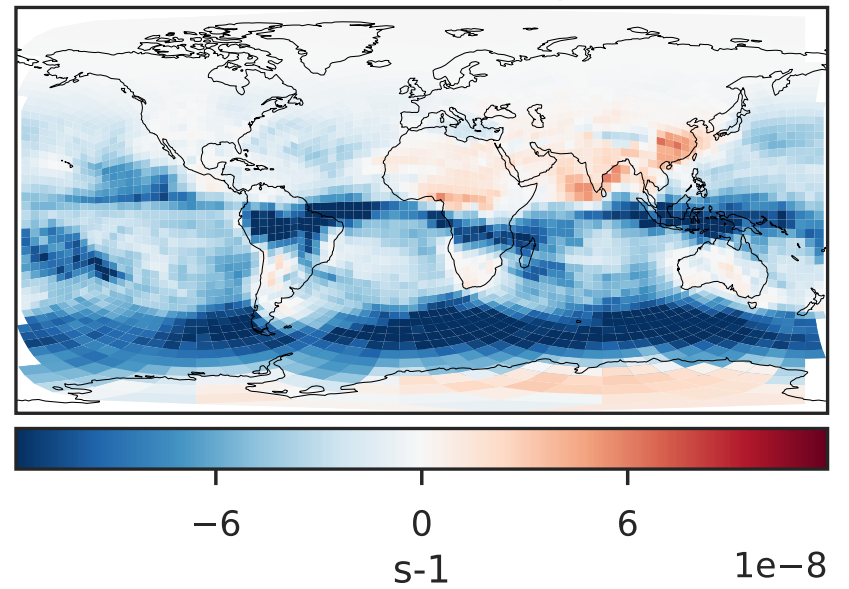
14.3.0-rc.0 (Dev)
c24



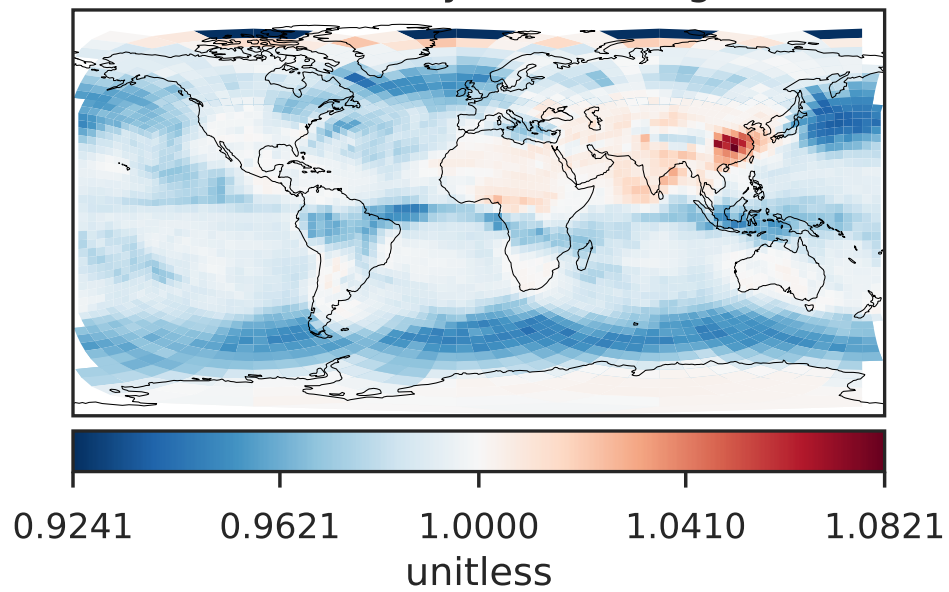
Difference
Dev - Ref, Dynamic Range



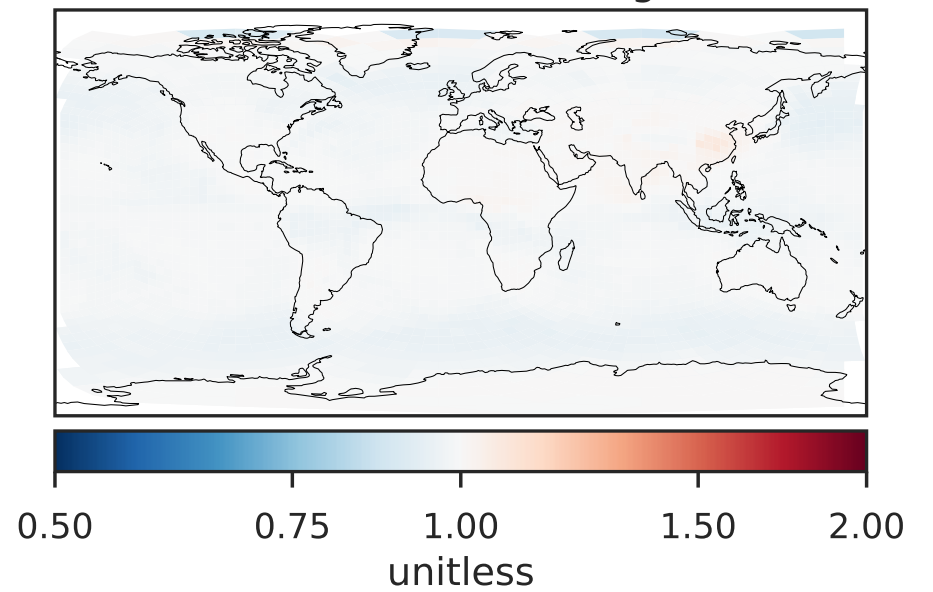
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

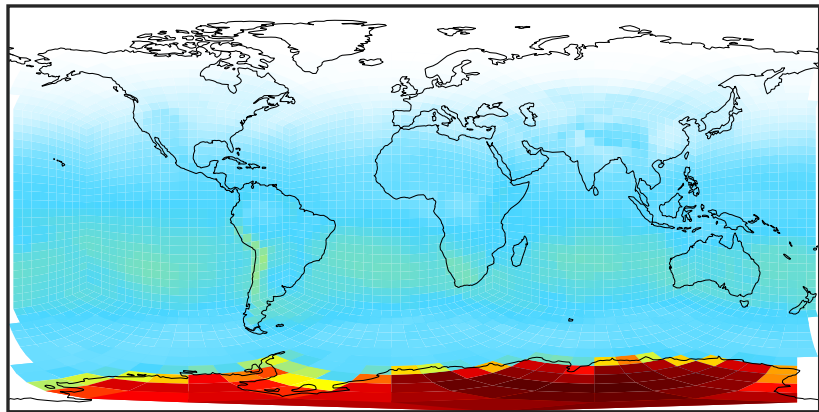


Ratio
Dev/Ref, Fixed Range



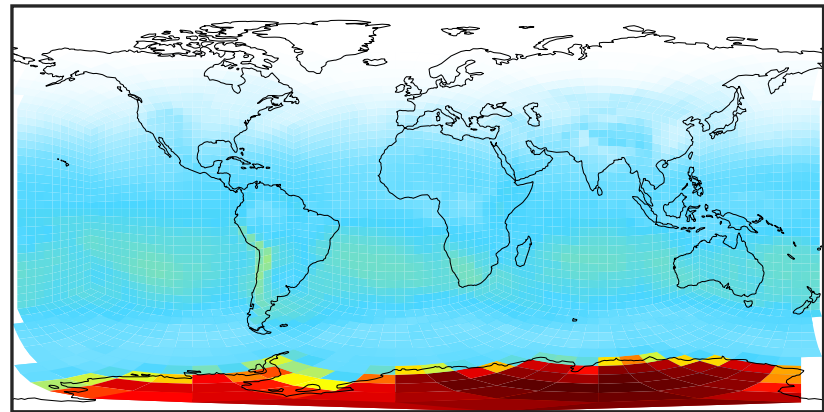
Jval_GLYX (Jan2019)

14.2.0-rc.2 (Ref)
c24



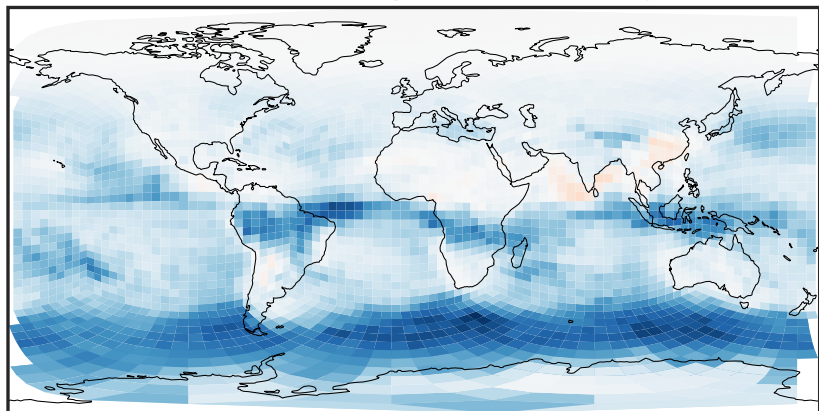
0.00000 0.00005 0.00010 0.00015
s-1

14.3.0-rc.0 (Dev)
c24



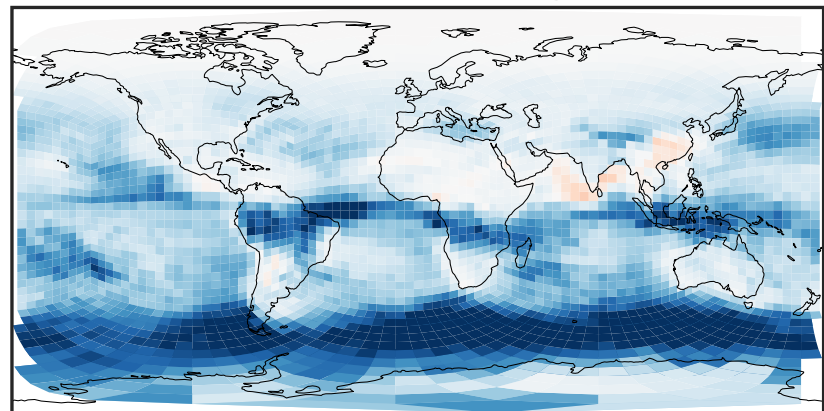
0.00000 0.00005 0.00010 0.00015
s-1

Difference
Dev - Ref, Dynamic Range



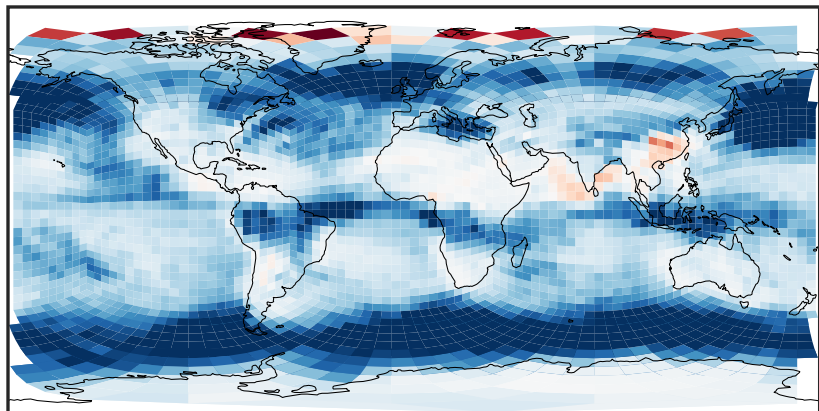
-1.5 0.0 1.5
s-1 1e-6

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



-1 0 1
s-1 1e-6

Ratio
Dev/Ref, Dynamic Range



0.95537 0.97768 1.00000 1.02336 1.04672
unitless

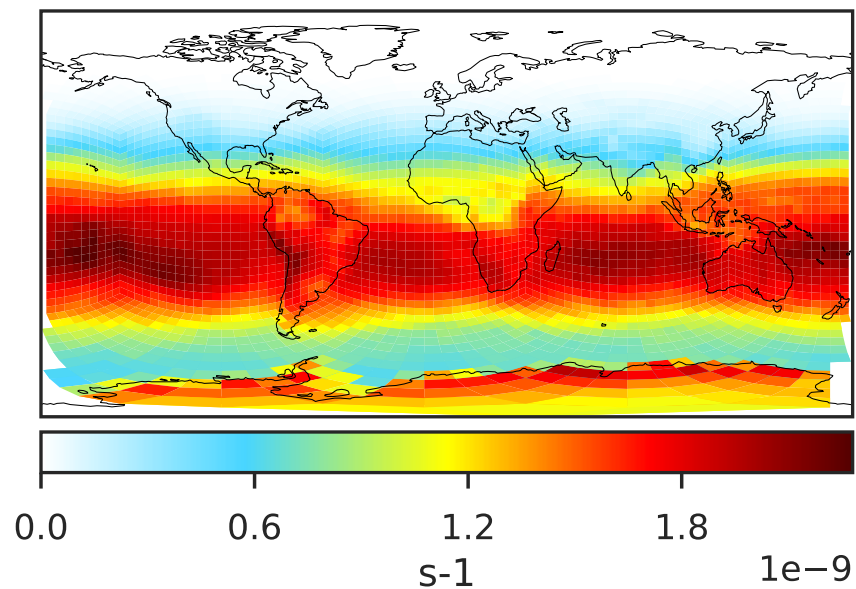
Ratio
Dev/Ref, Fixed Range



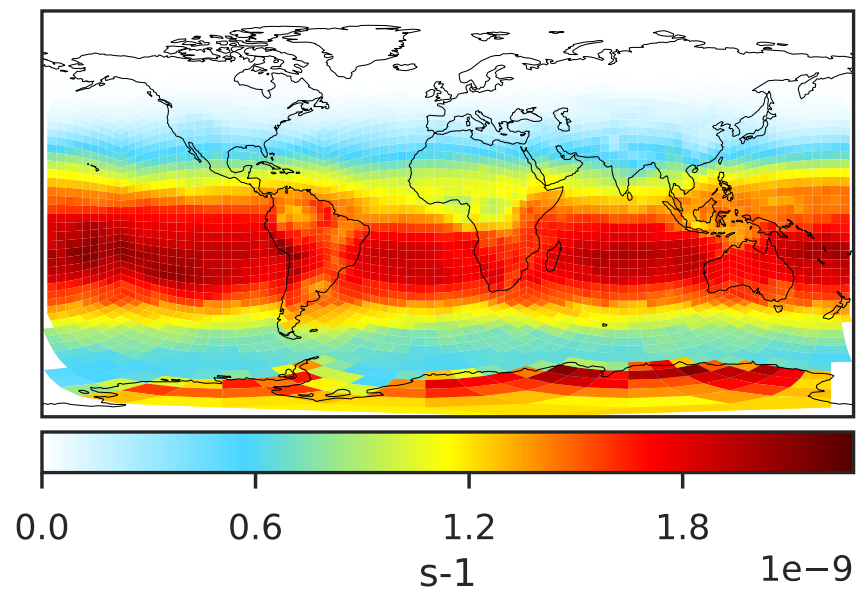
0.50 0.75 1.00 1.50 2.00
unitless

Jval_H1211 (Jan2019)

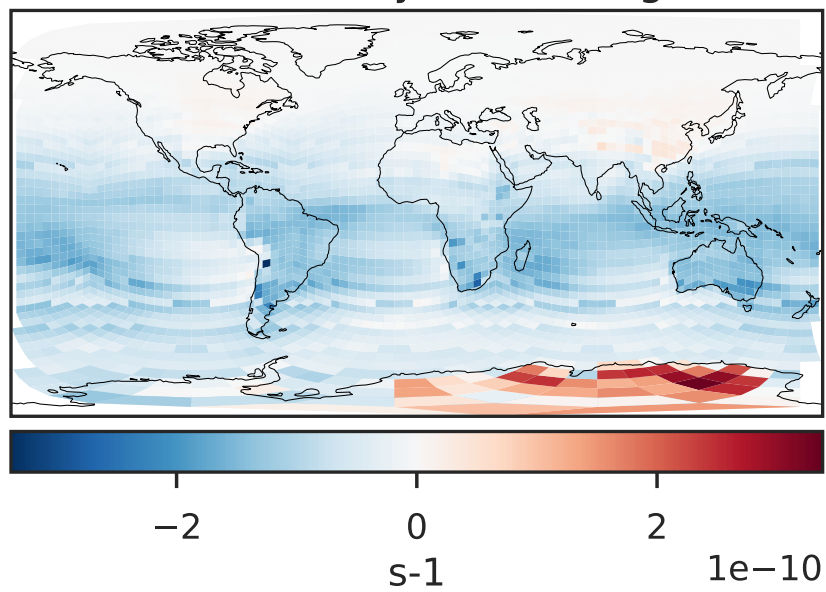
14.2.0-rc.2 (Ref)
c24



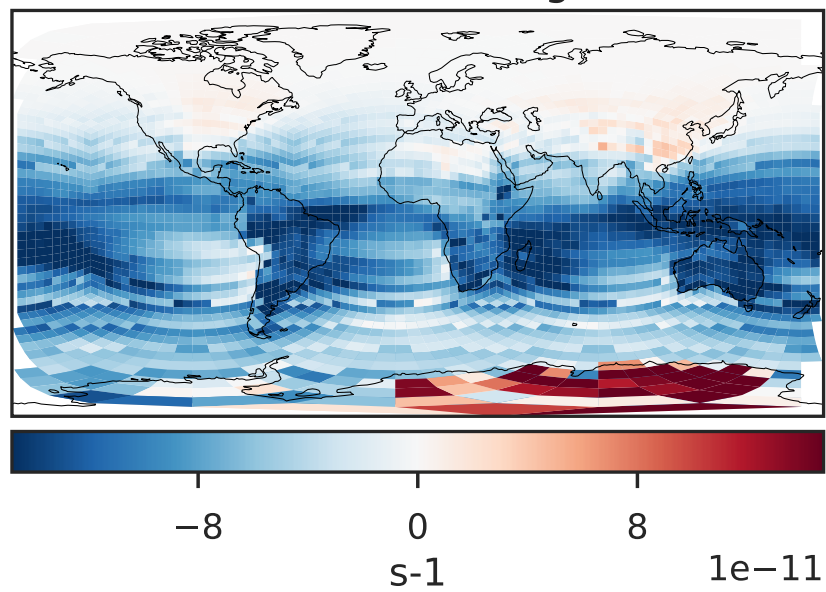
14.3.0-rc.0 (Dev)
c24



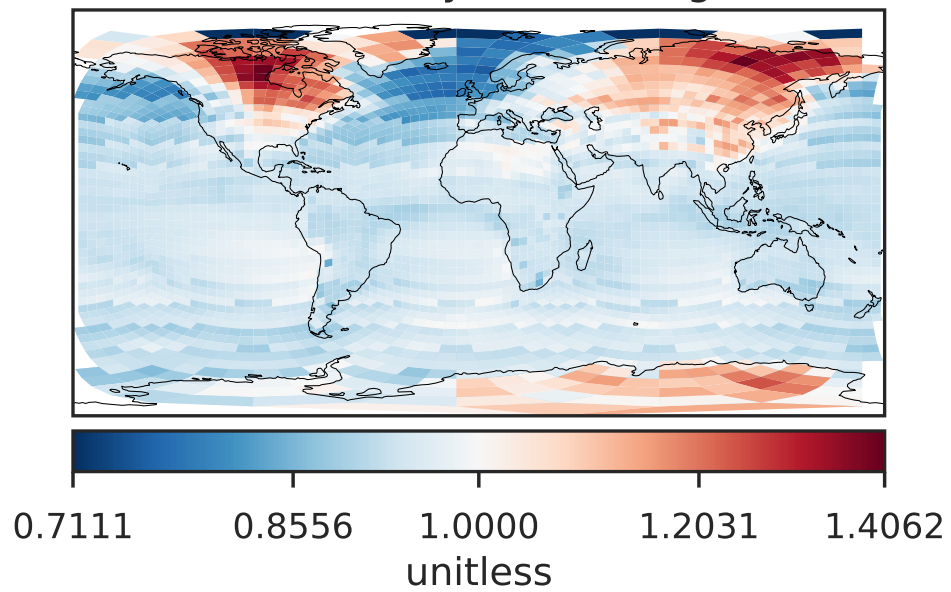
Difference
Dev - Ref, Dynamic Range



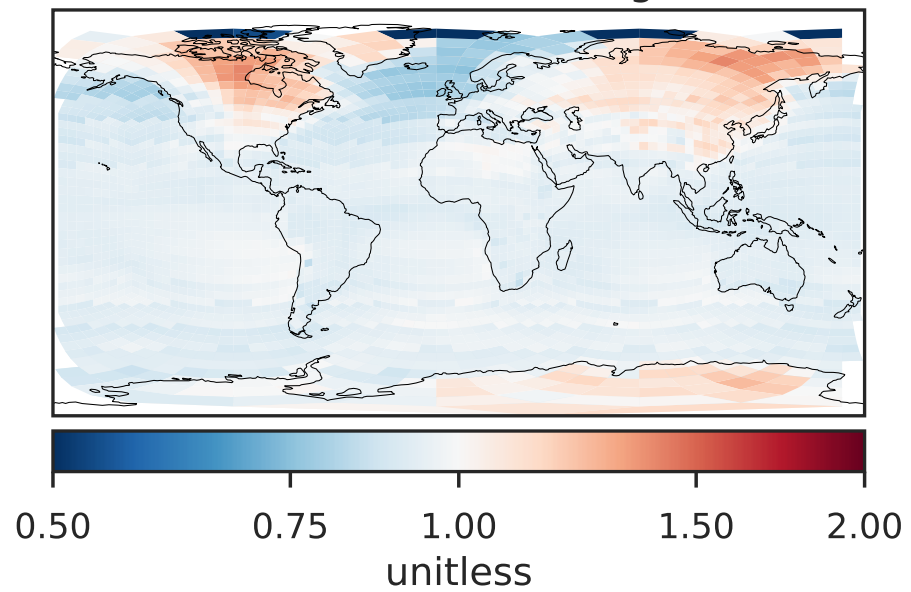
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

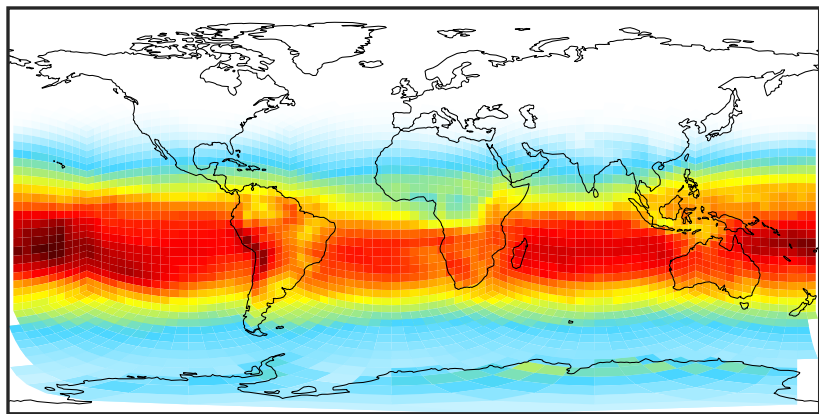


Ratio
Dev/Ref, Fixed Range



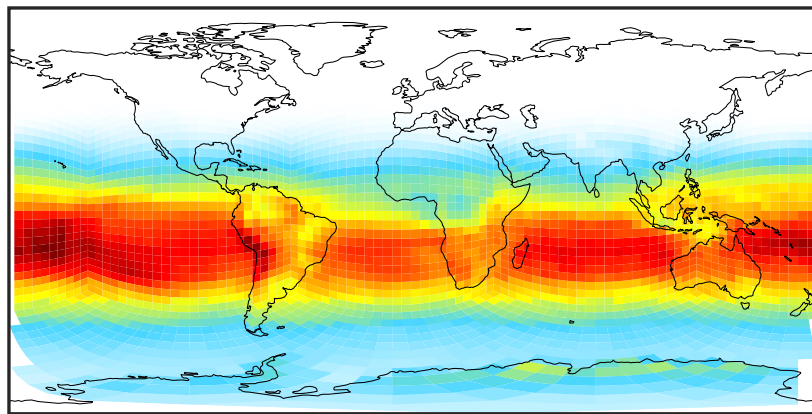
Jval_H1301 (Jan2019)

14.2.0-rc.2 (Ref)
c24



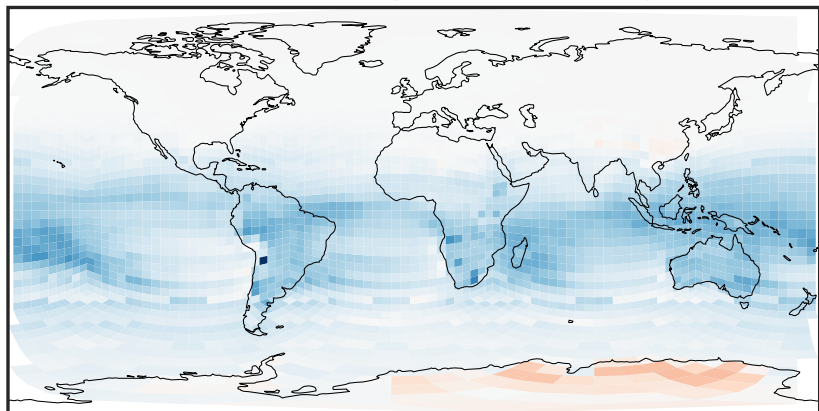
0.0 0.5 1.0 1.5
s-1 $1e-12$

14.3.0-rc.0 (Dev)
c24



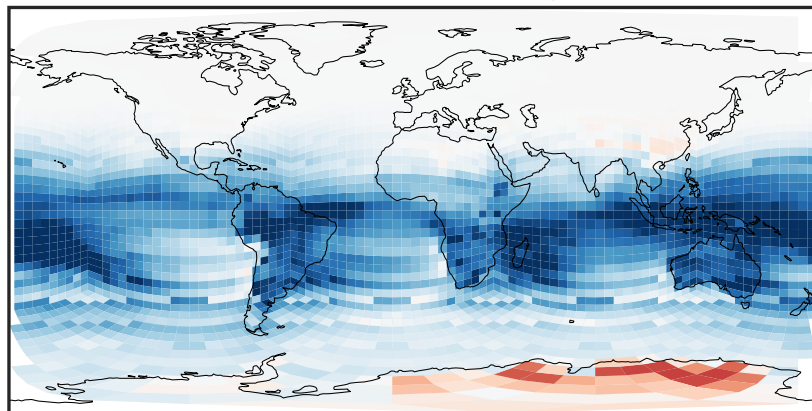
0.0 0.5 1.0 1.5
s-1 $1e-12$

Difference
Dev - Ref, Dynamic Range



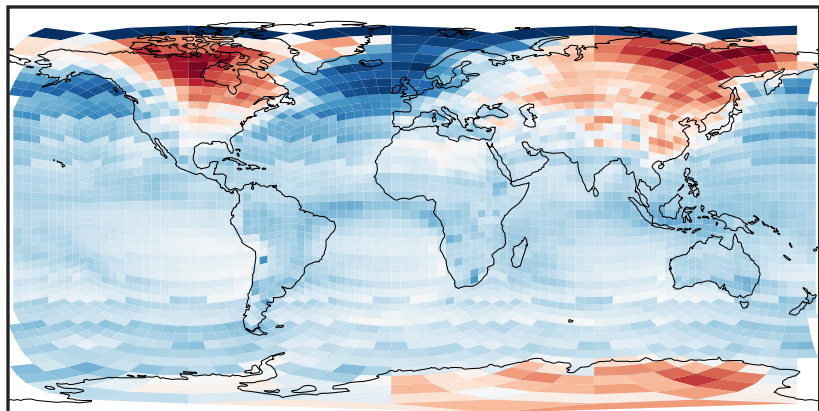
-1 0 1
s-1 $1e-13$

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



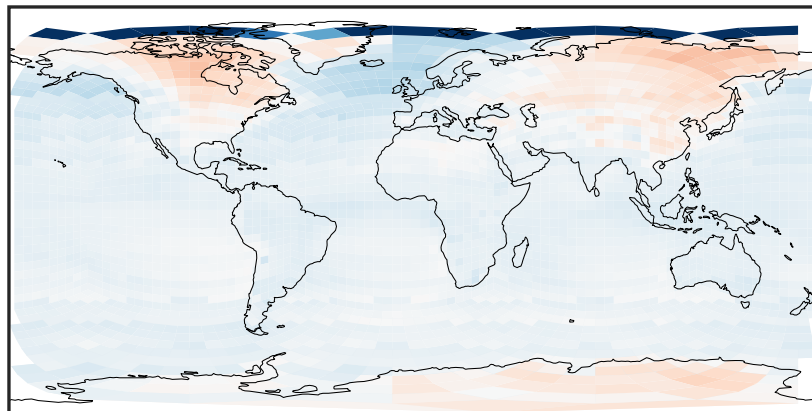
-4 0 4
s-1 $1e-14$

Ratio
Dev/Ref, Dynamic Range



0.8071 0.9036 1.0000 1.1195 1.2390
unitless

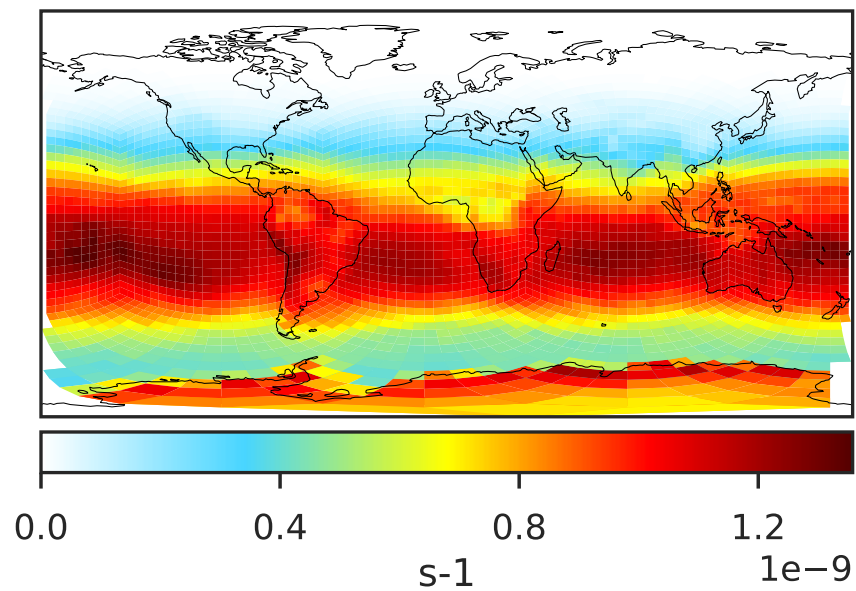
Ratio
Dev/Ref, Fixed Range



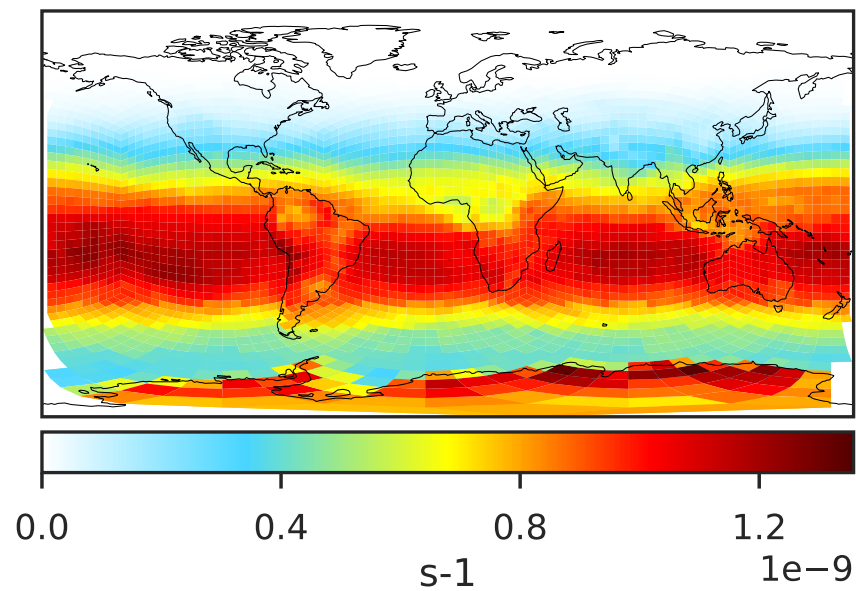
0.50 0.75 1.00 1.50 2.00
unitless

Jval_H2402 (Jan2019)

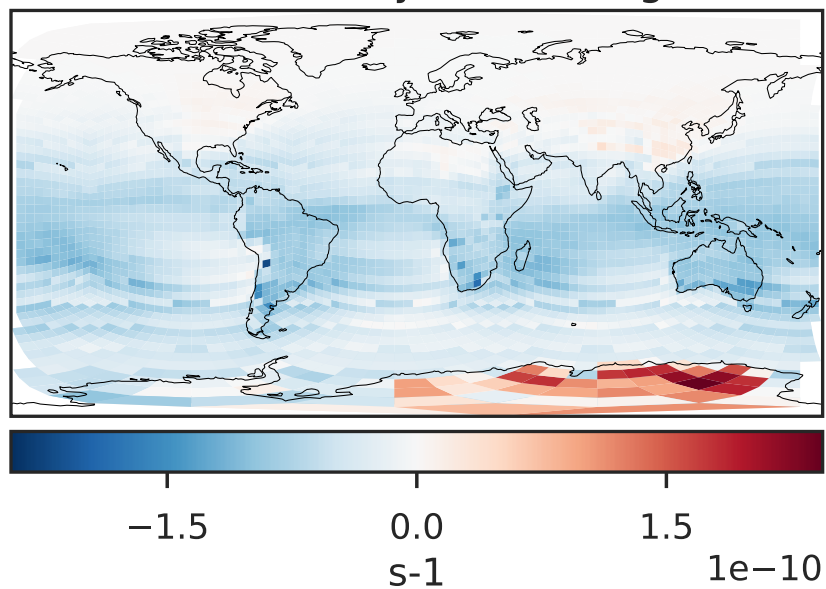
14.2.0-rc.2 (Ref)
c24



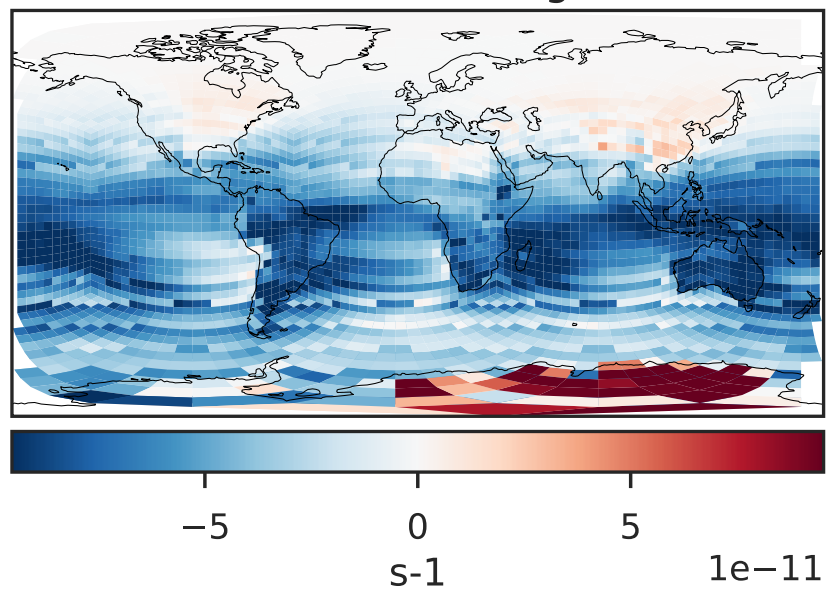
14.3.0-rc.0 (Dev)
c24



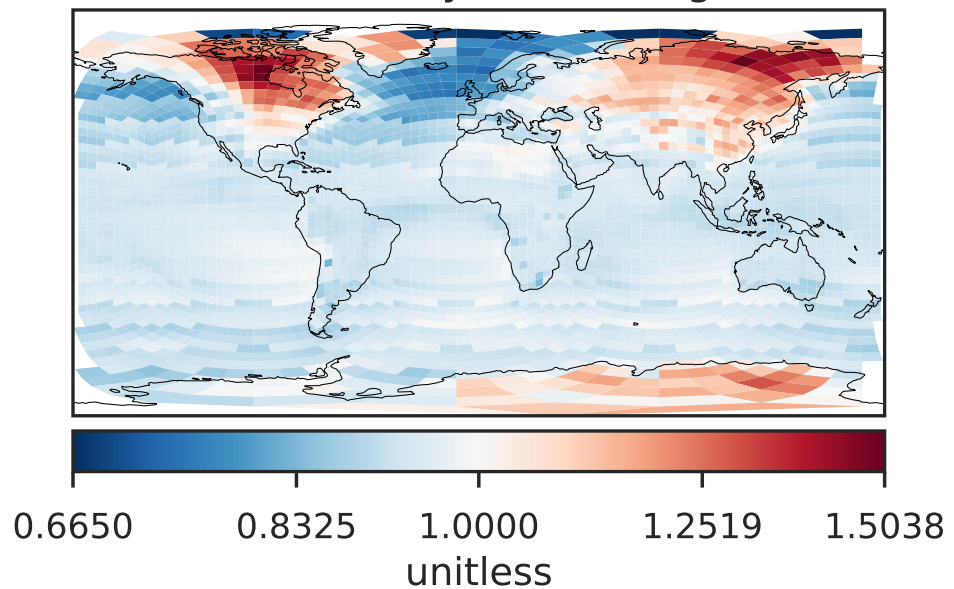
Difference
Dev - Ref, Dynamic Range



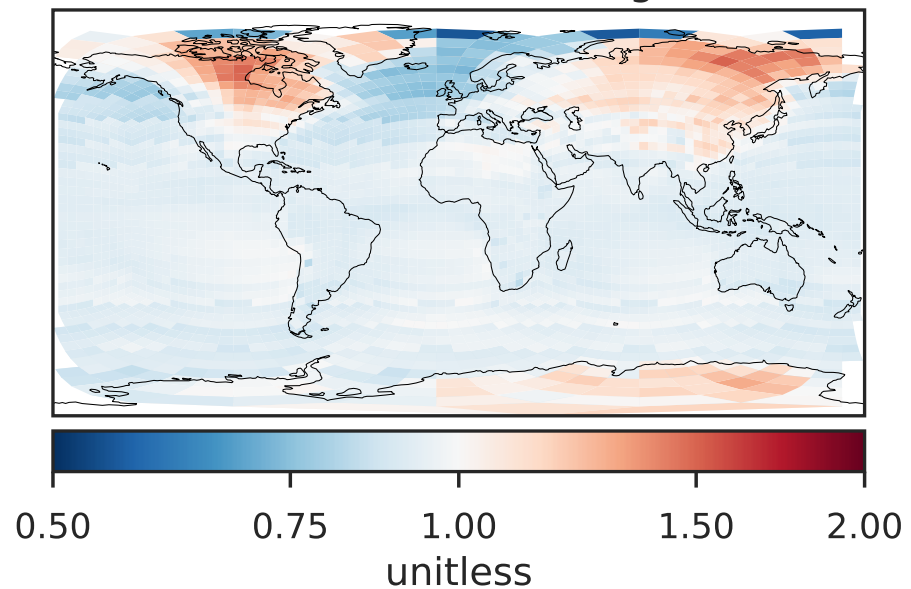
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

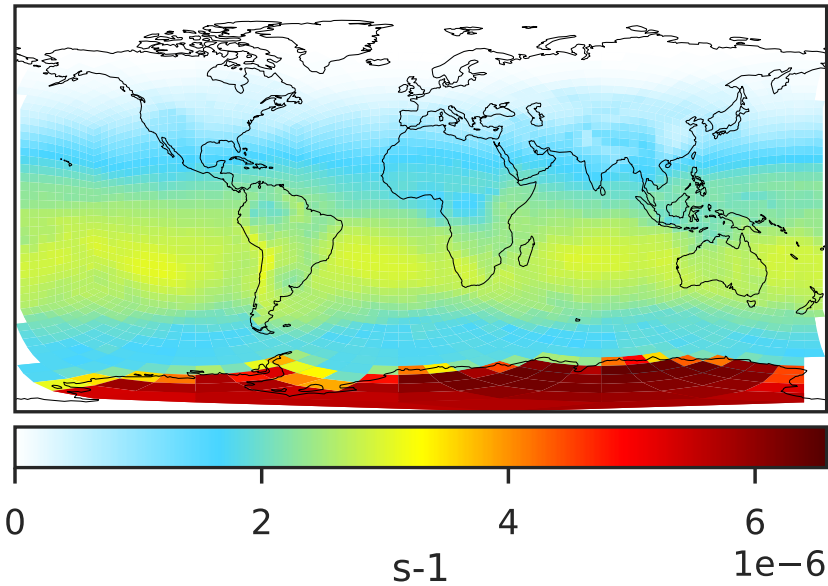


Ratio
Dev/Ref, Fixed Range

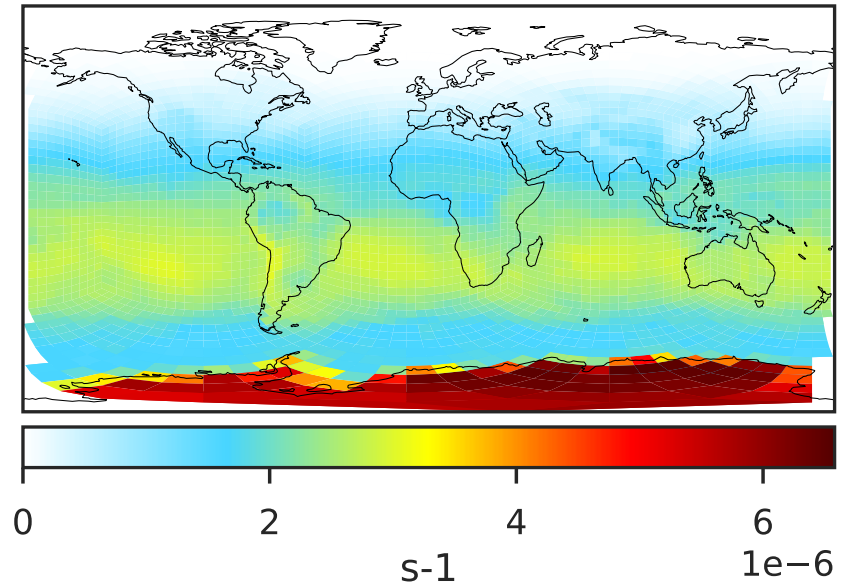


Jval_H2O2 (Jan2019)

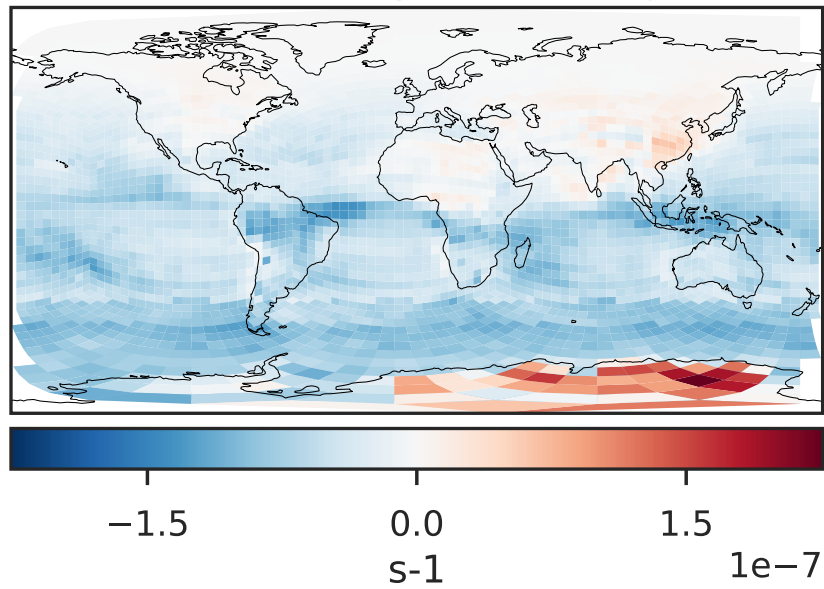
14.2.0-rc.2 (Ref)
c24



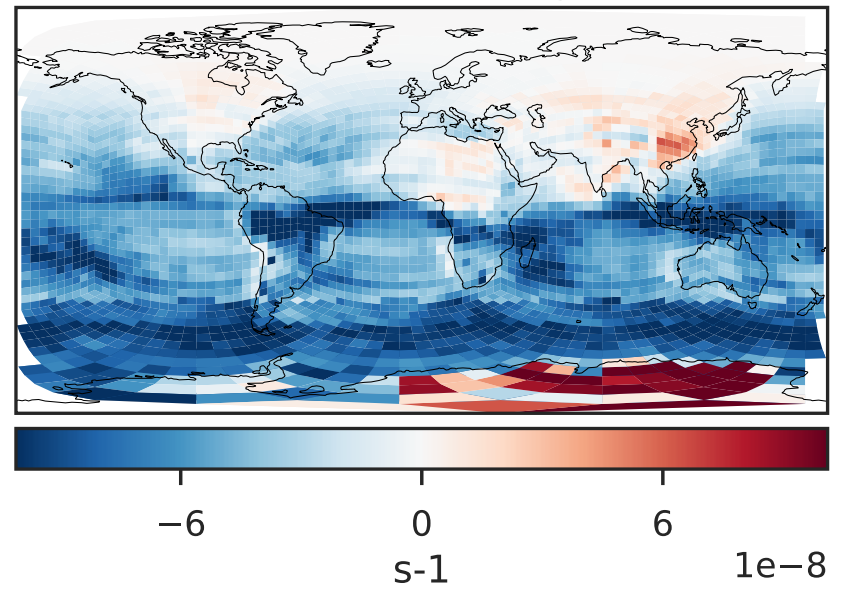
14.3.0-rc.0 (Dev)
c24



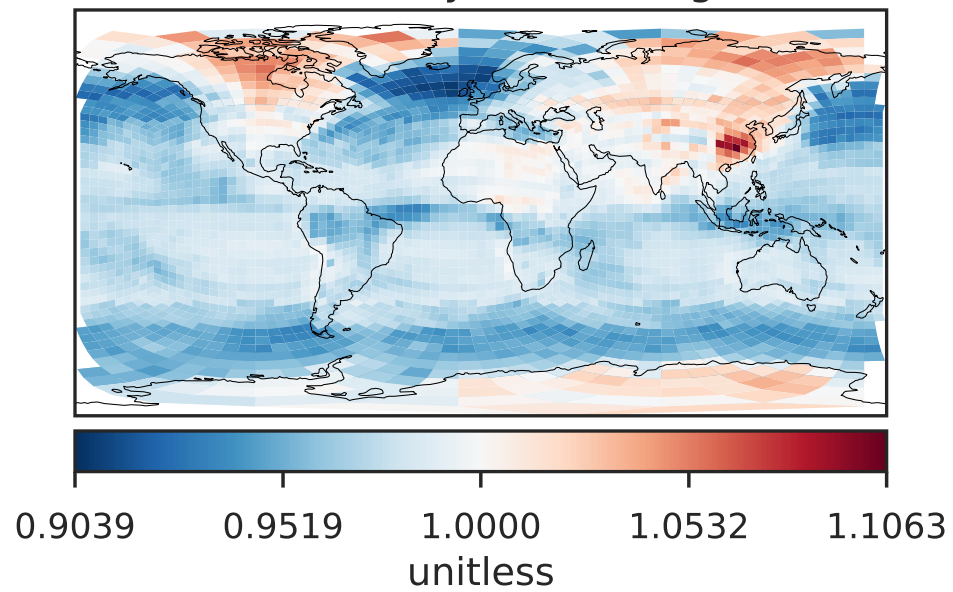
Difference
Dev - Ref, Dynamic Range



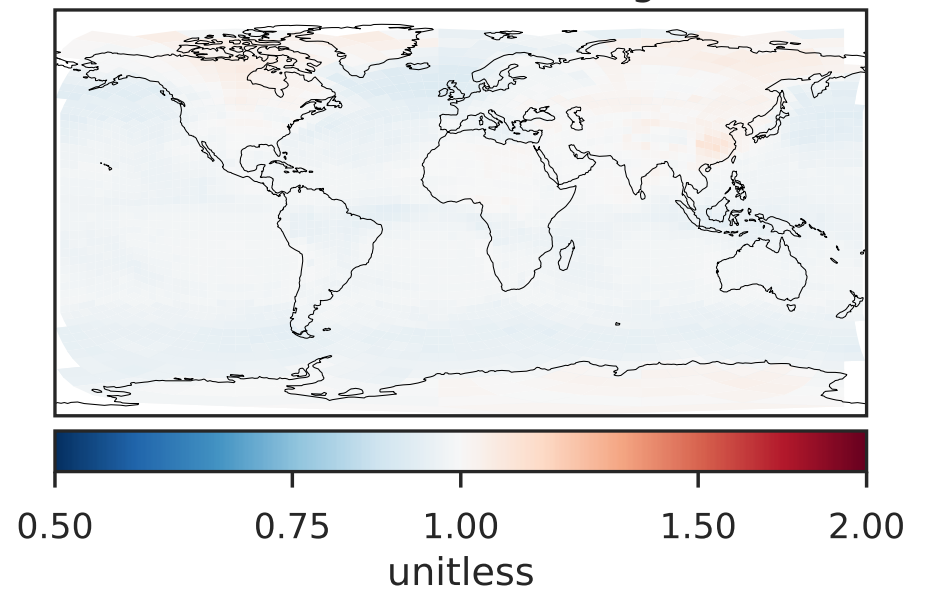
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

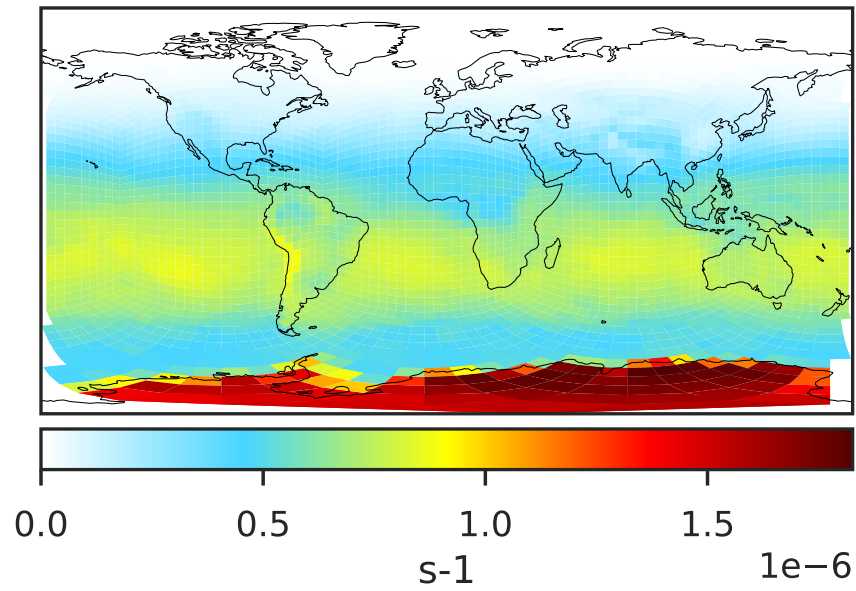


Ratio
Dev/Ref, Fixed Range

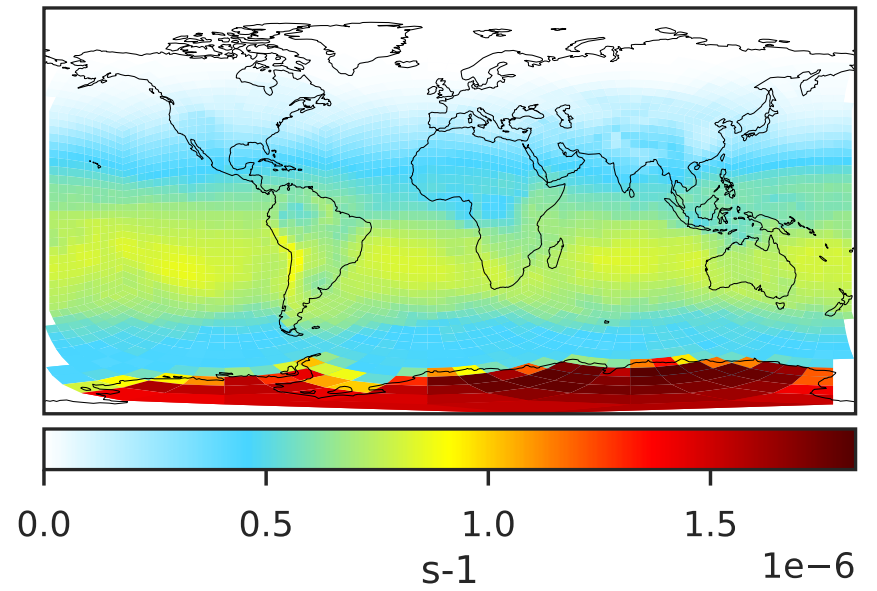


Jval_HAC (Jan2019)

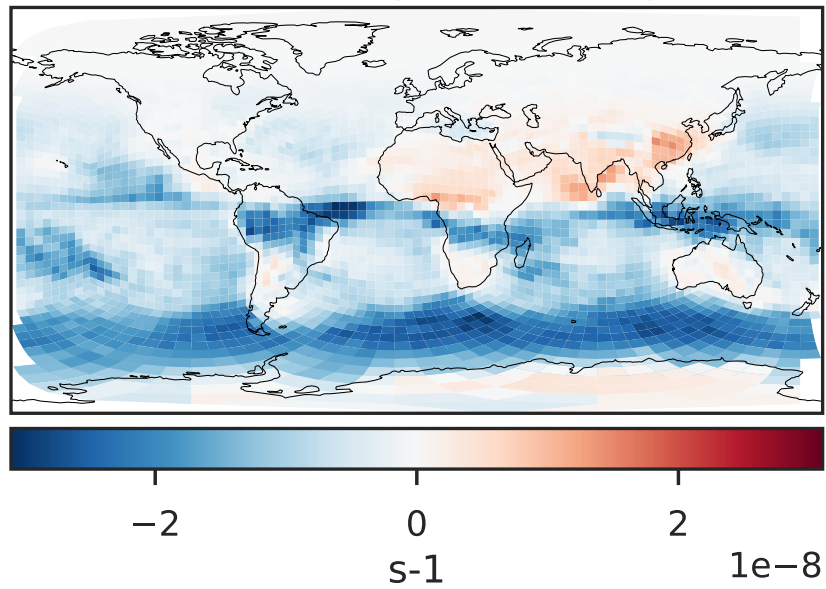
14.2.0-rc.2 (Ref)
c24



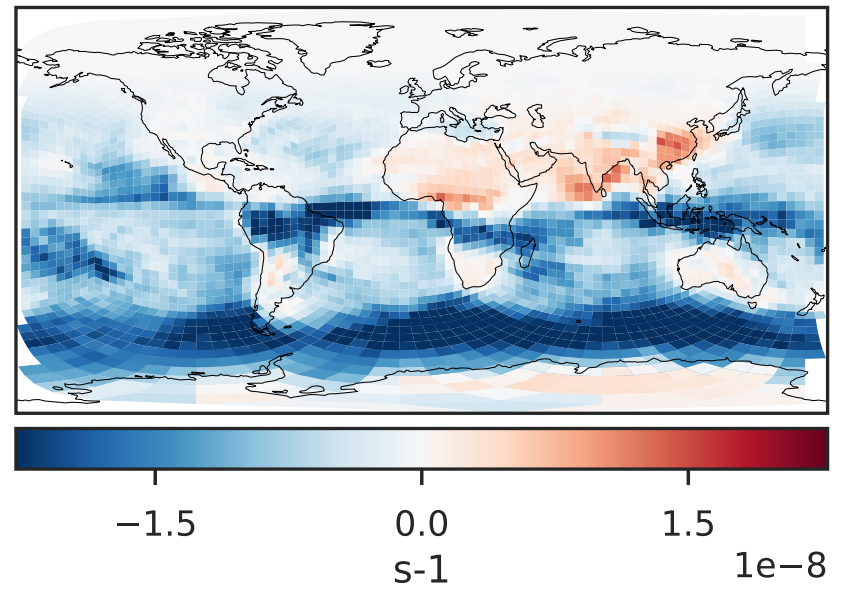
14.3.0-rc.0 (Dev)
c24



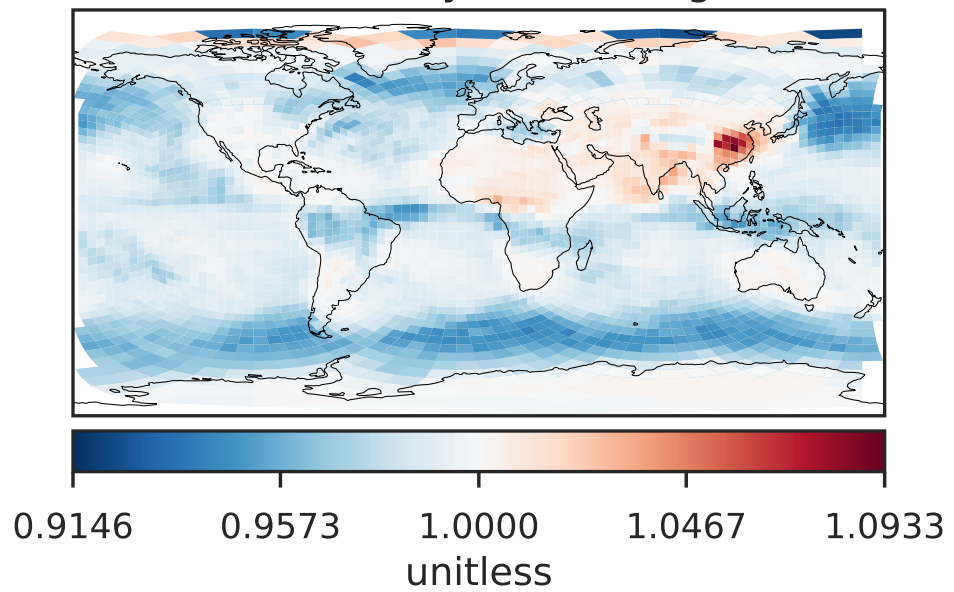
Difference
Dev - Ref, Dynamic Range



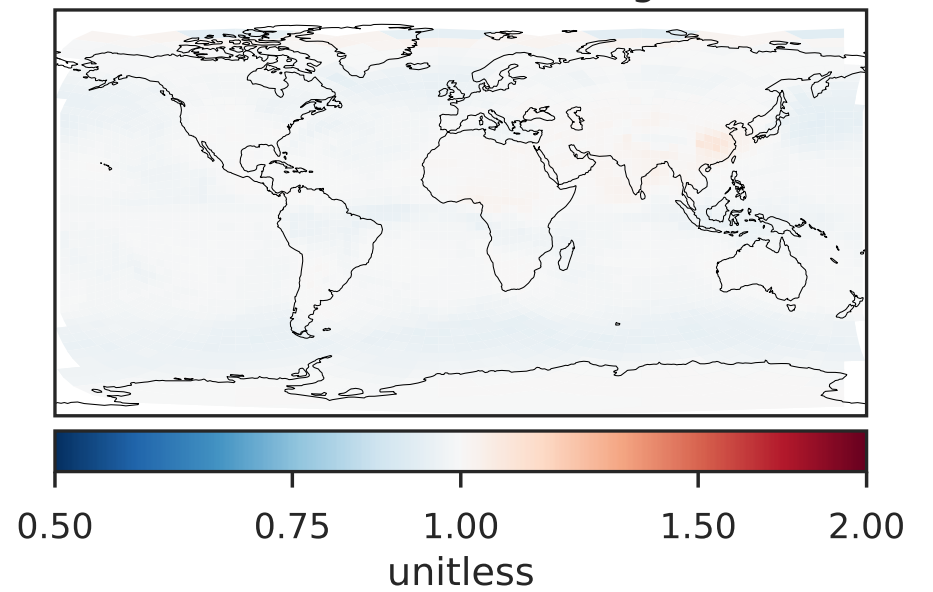
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range



Ratio
Dev/Ref, Fixed Range



Jval_HC5A (Jan2019)

14.2.0-rc.2 (Ref)
c24



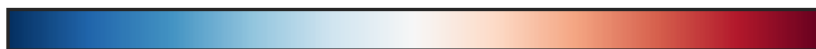
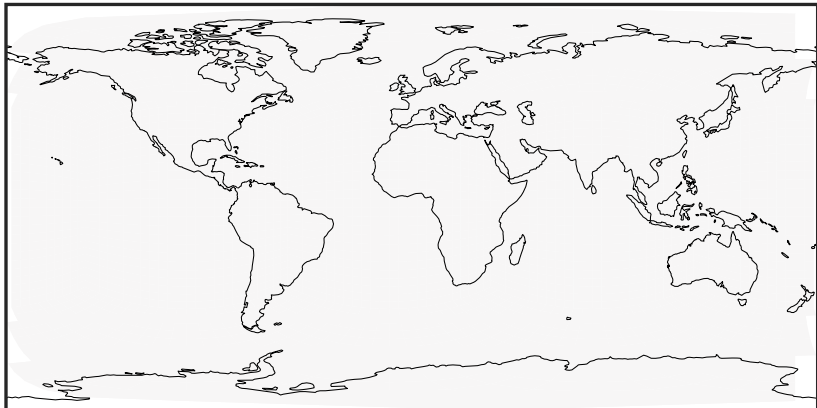
Zero throughput domain
s-1

14.3.0-rc.0 (Dev)
c24



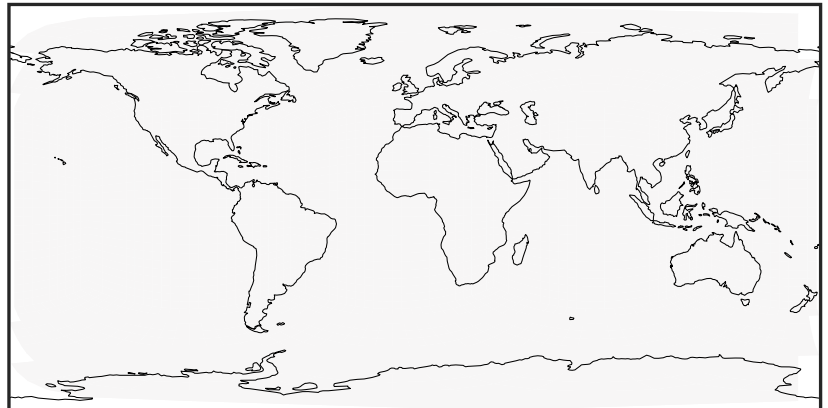
Zero throughput domain
s-1

Difference
Dev - Ref, Dynamic Range



Zero throughput domain
s-1

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



Zero throughput domain
s-1

Ratio
Dev/Ref, Dynamic Range



Undefined throughput domain
unitless

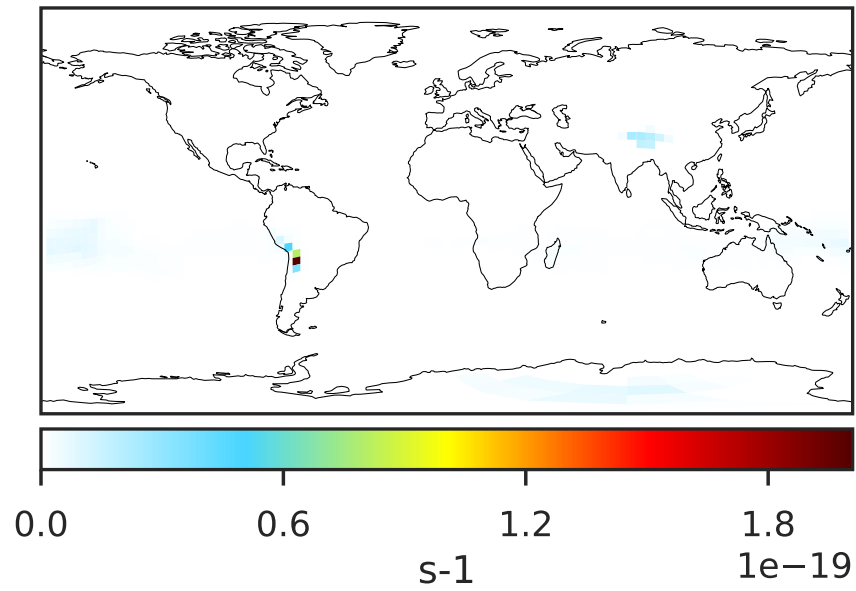
Ratio
Dev/Ref, Fixed Range



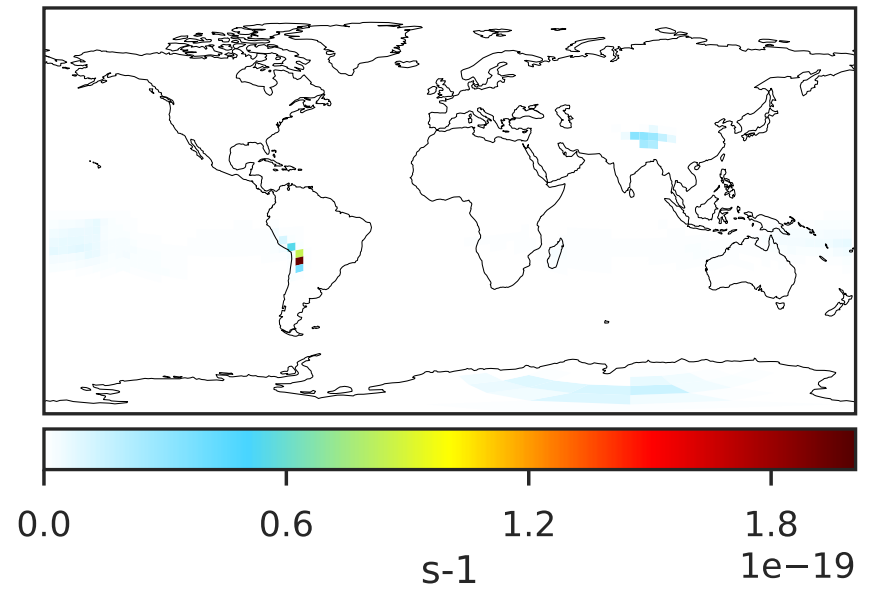
Undefined throughput domain
unitless

Jval_HCFC123 (Jan2019)

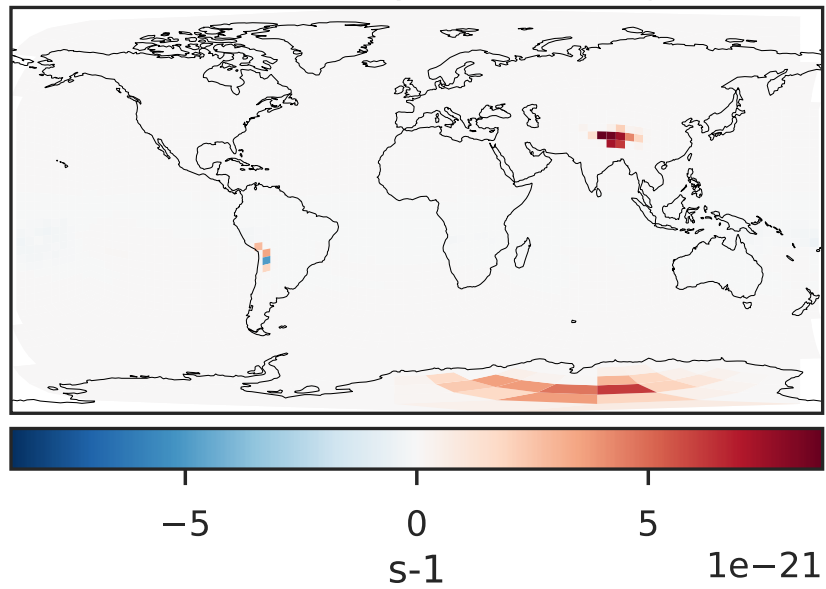
14.2.0-rc.2 (Ref)
c24



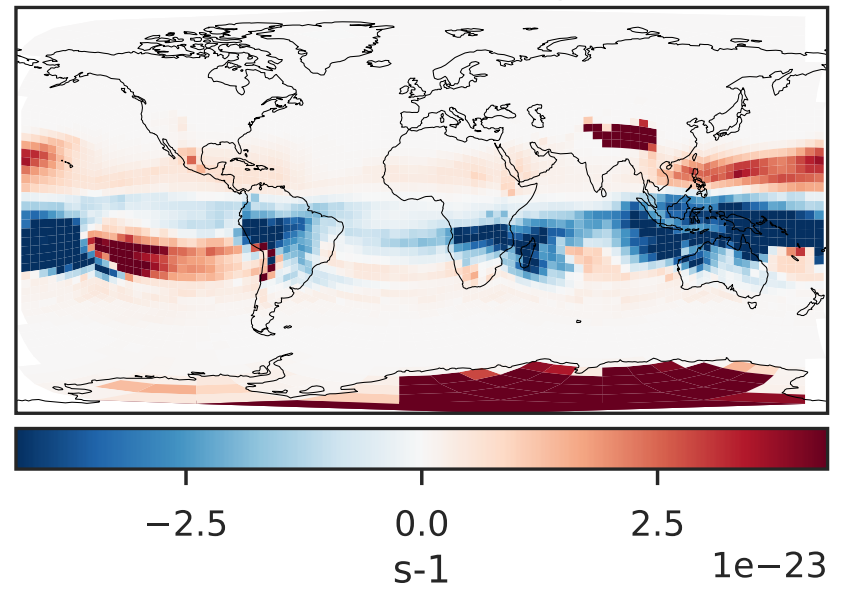
14.3.0-rc.0 (Dev)
c24



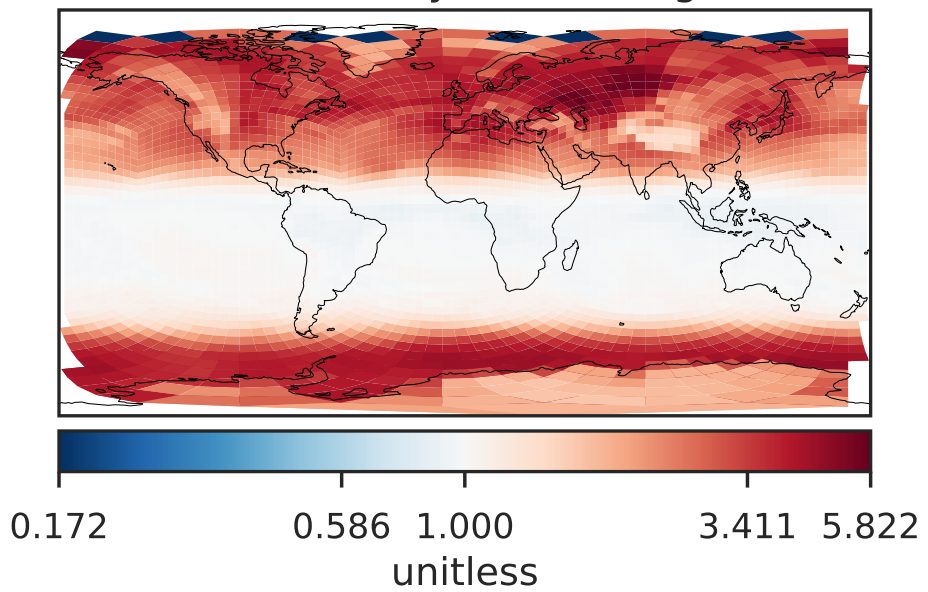
Difference
Dev - Ref, Dynamic Range



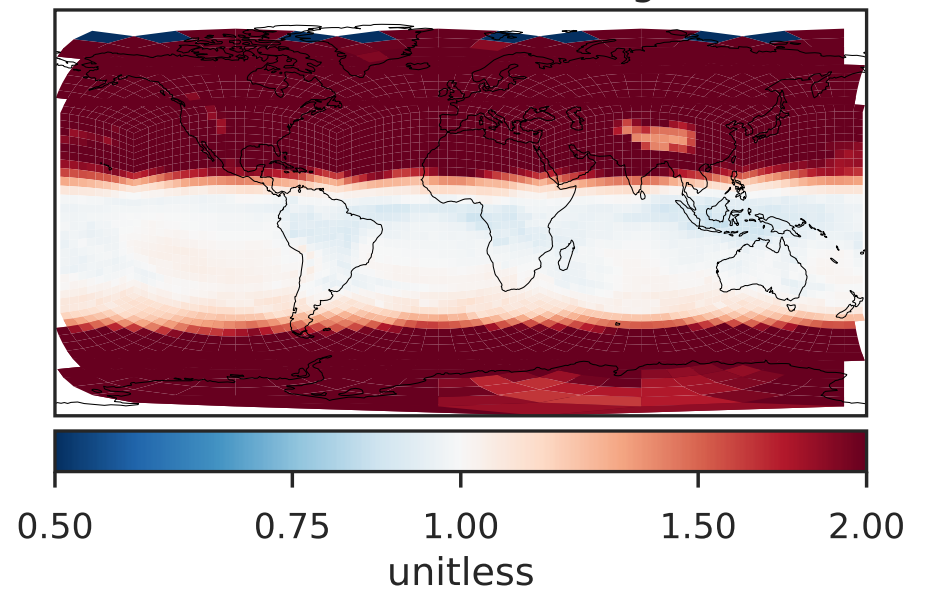
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

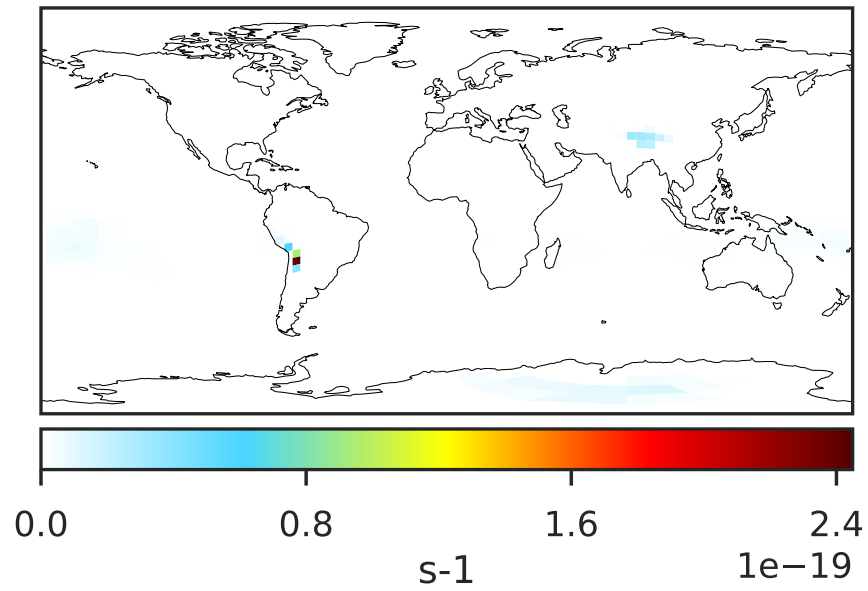


Ratio
Dev/Ref, Fixed Range

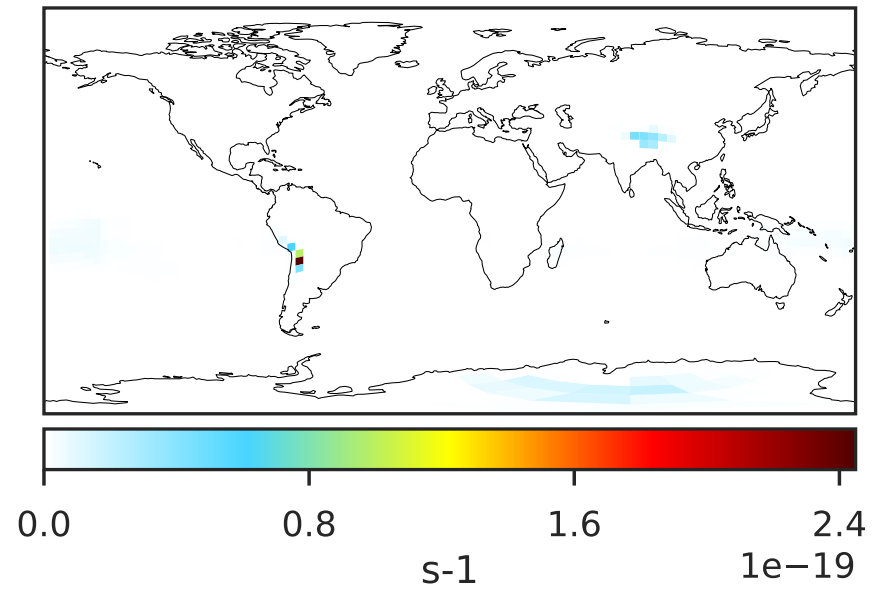


Jval_HCFC141b (Jan2019)

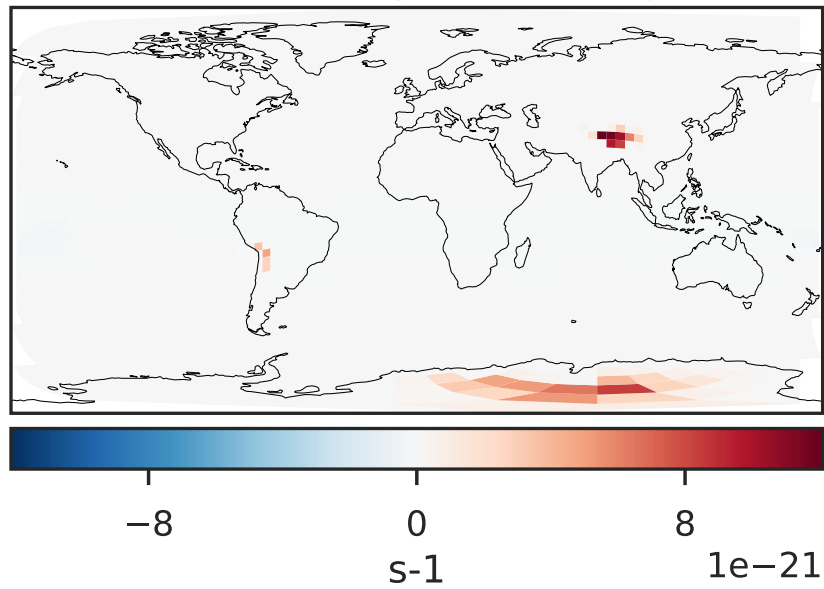
14.2.0-rc.2 (Ref)
c24



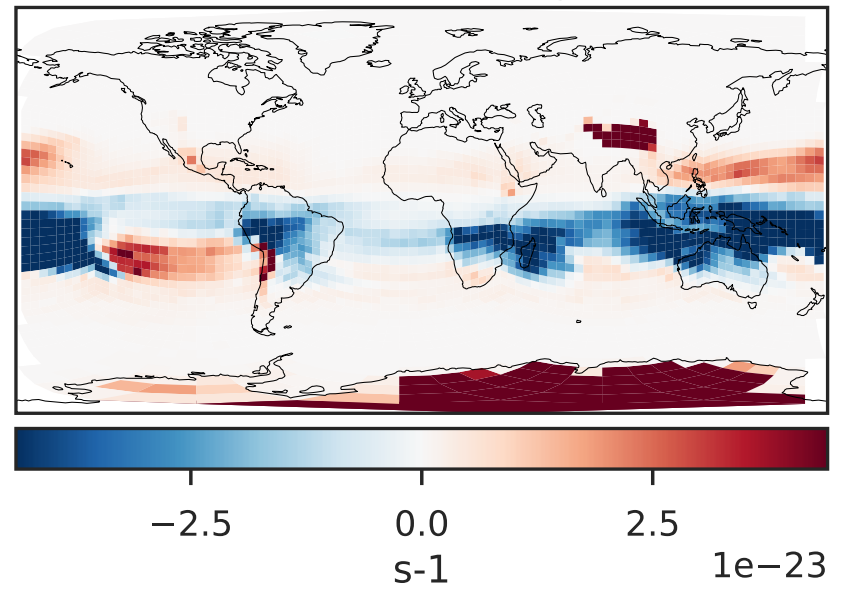
14.3.0-rc.0 (Dev)
c24



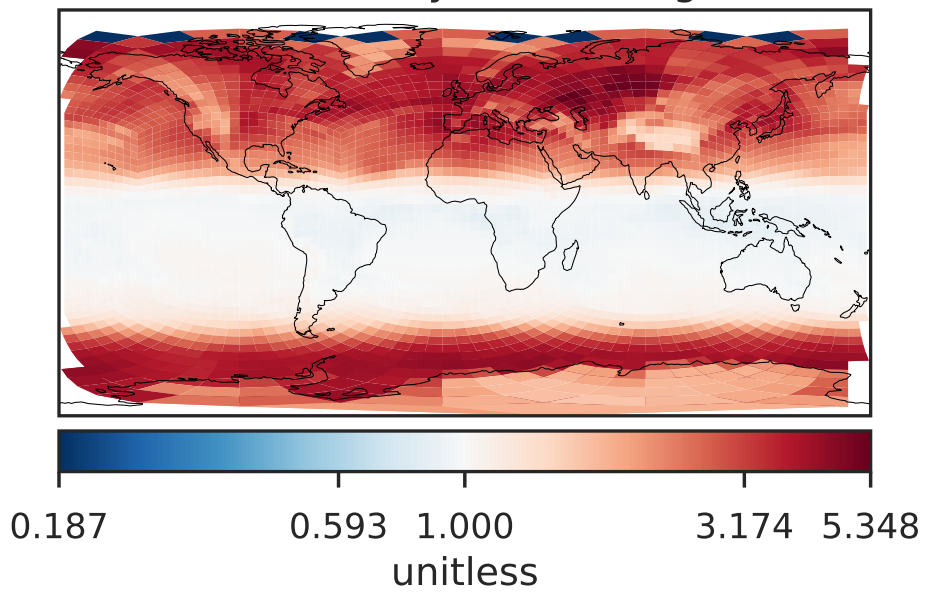
Difference
Dev - Ref, Dynamic Range



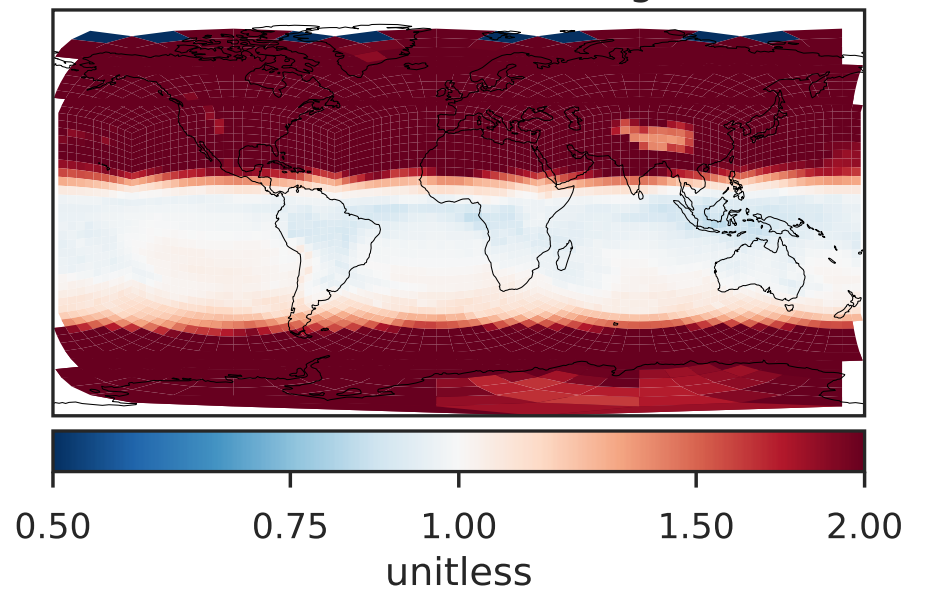
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

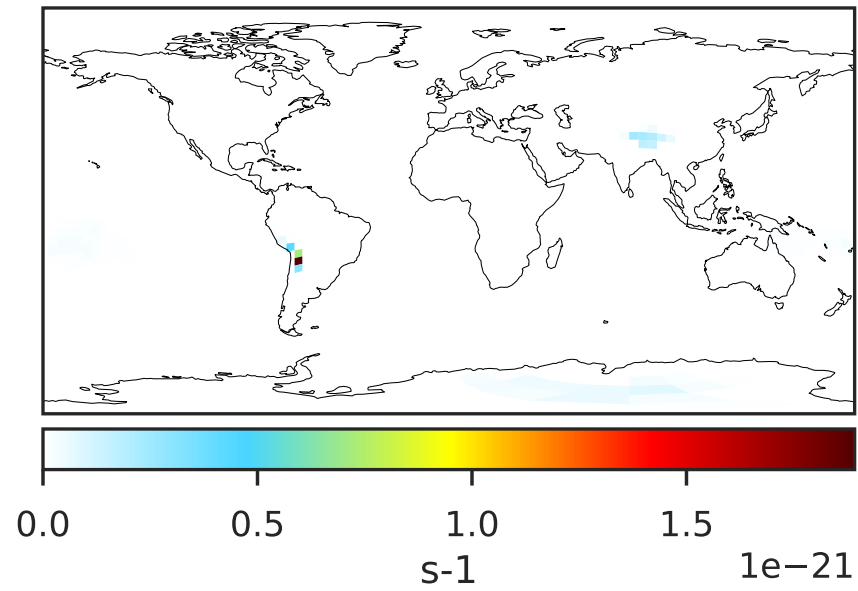


Ratio
Dev/Ref, Fixed Range

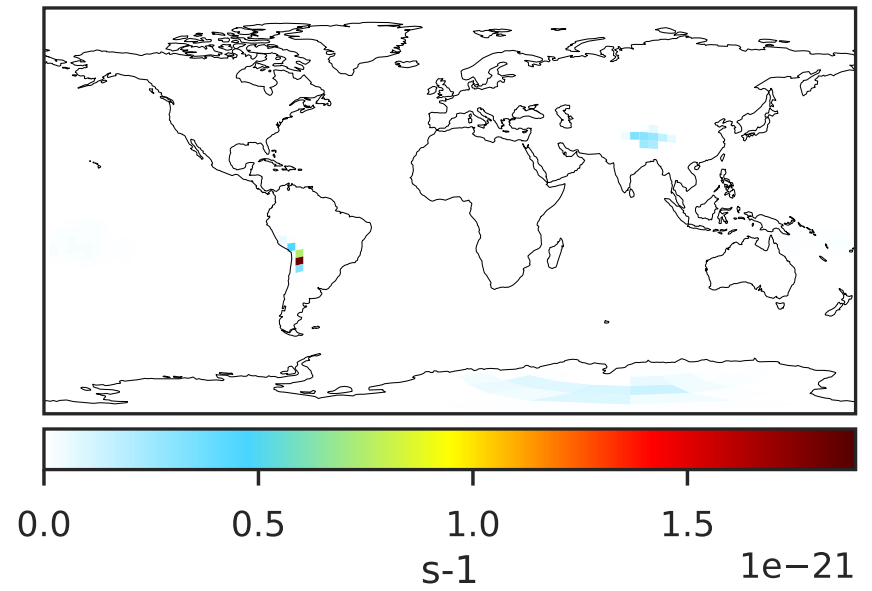


Jval_HCFC142b (Jan2019)

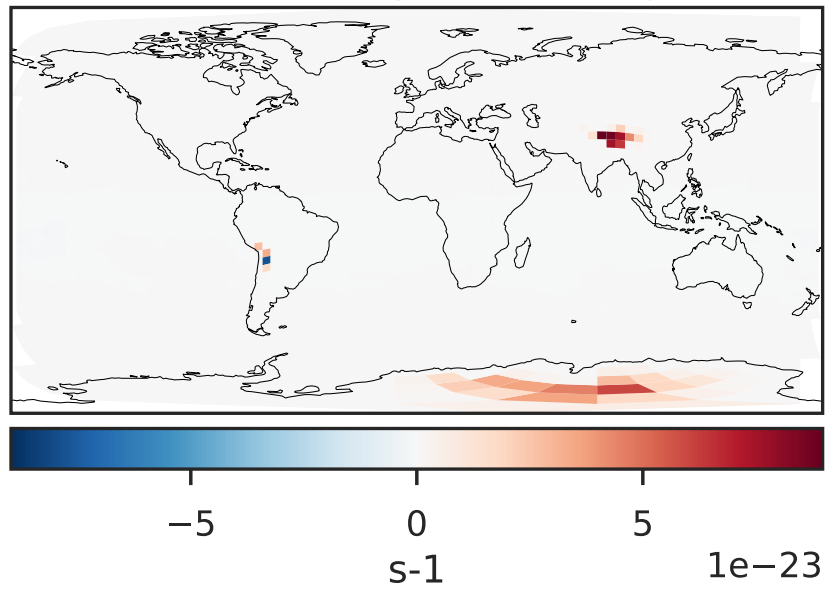
14.2.0-rc.2 (Ref)
c24



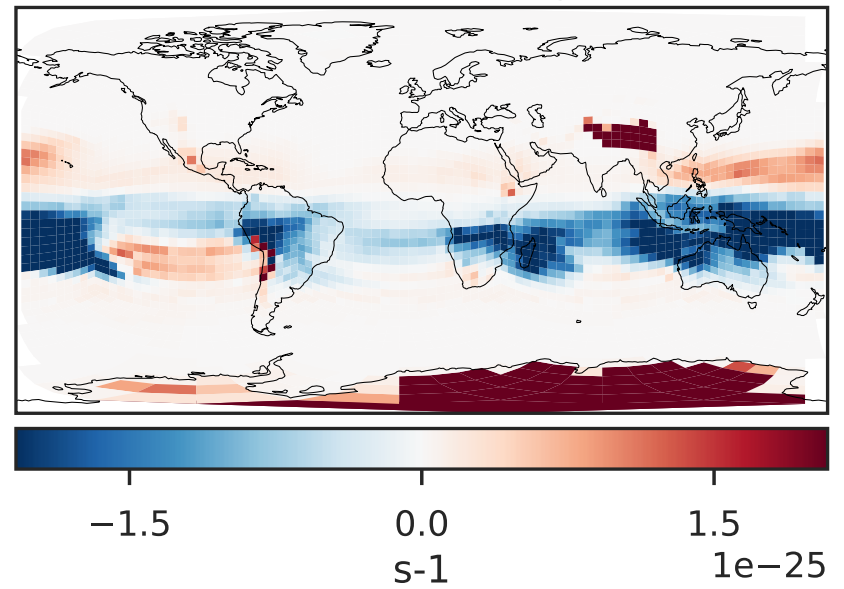
14.3.0-rc.0 (Dev)
c24



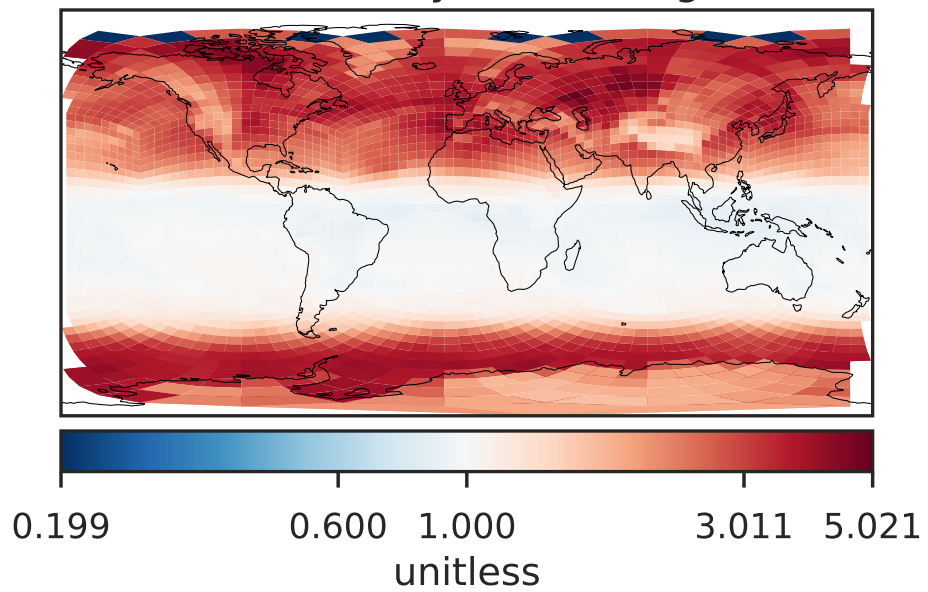
Difference
Dev - Ref, Dynamic Range



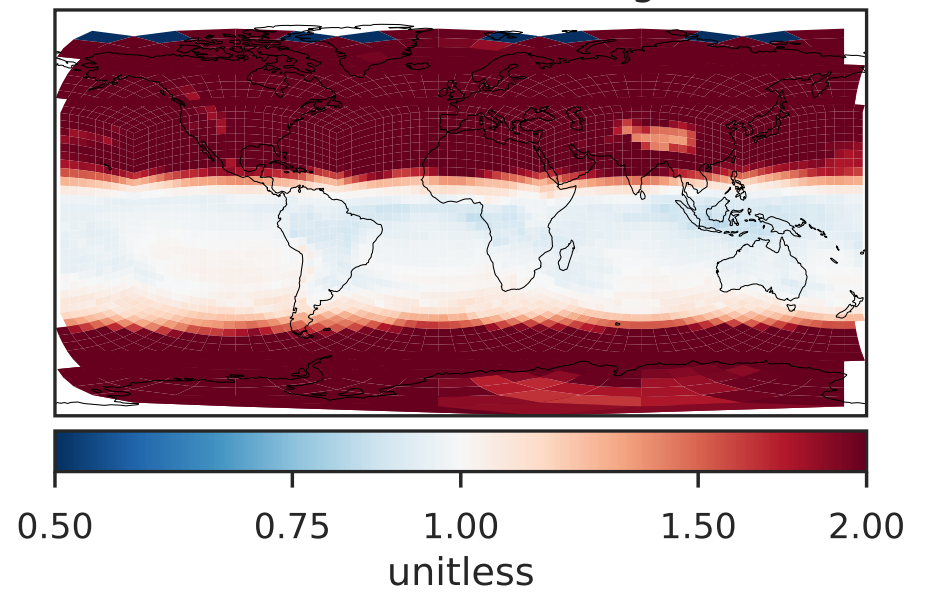
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

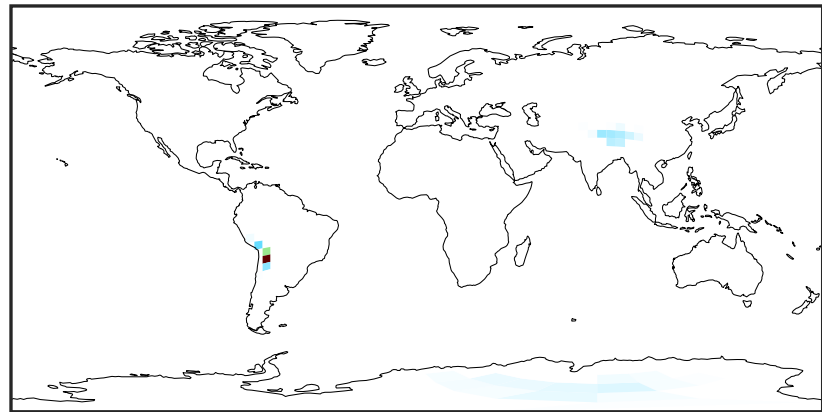


Ratio
Dev/Ref, Fixed Range



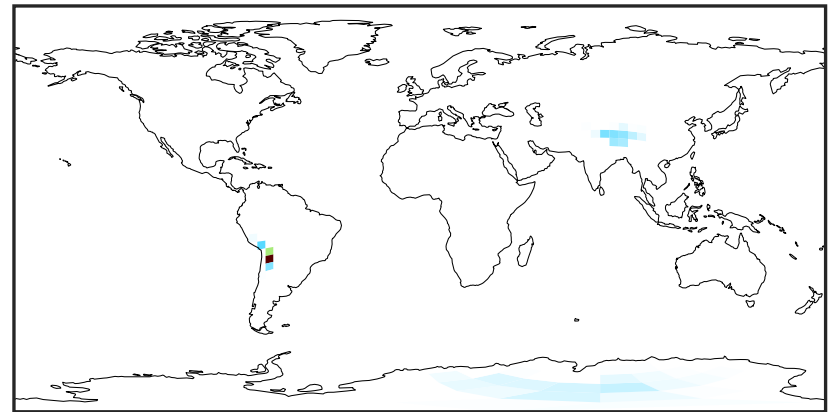
Jval_HCFC22 (Jan2019)

14.2.0-rc.2 (Ref)
c24



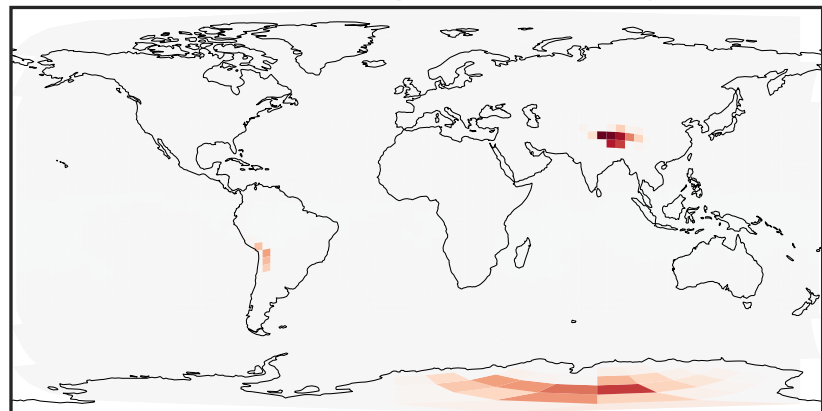
0.0 1.5 3.0 4.5
s-1 $1e-22$

14.3.0-rc.0 (Dev)
c24



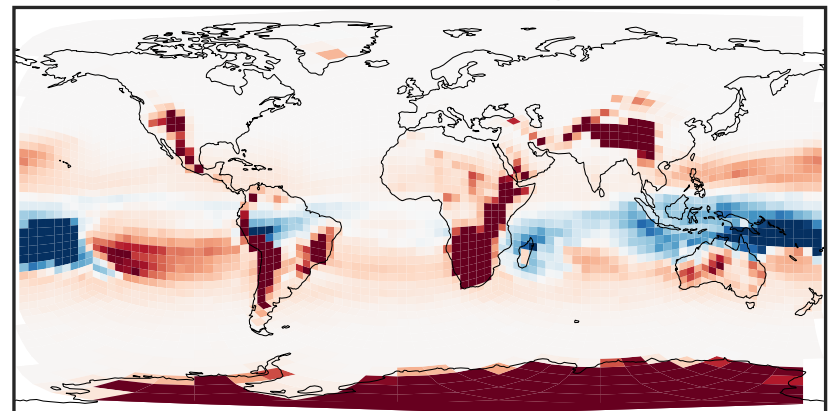
0.0 1.5 3.0 4.5
s-1 $1e-22$

Difference
Dev - Ref, Dynamic Range



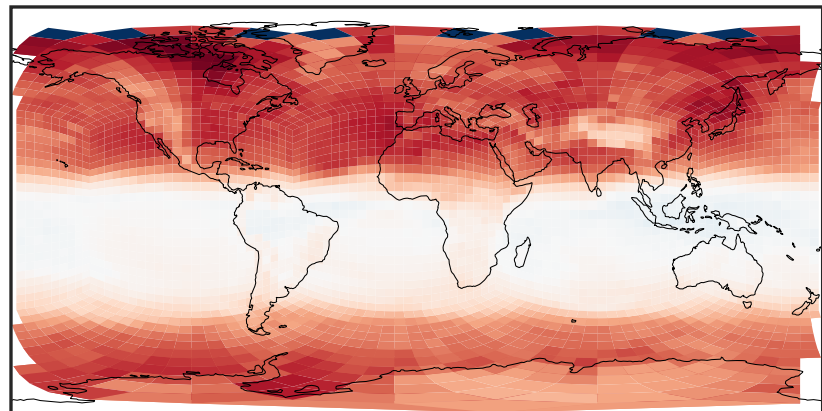
-1.5 0.0 1.5
s-1 $1e-23$

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



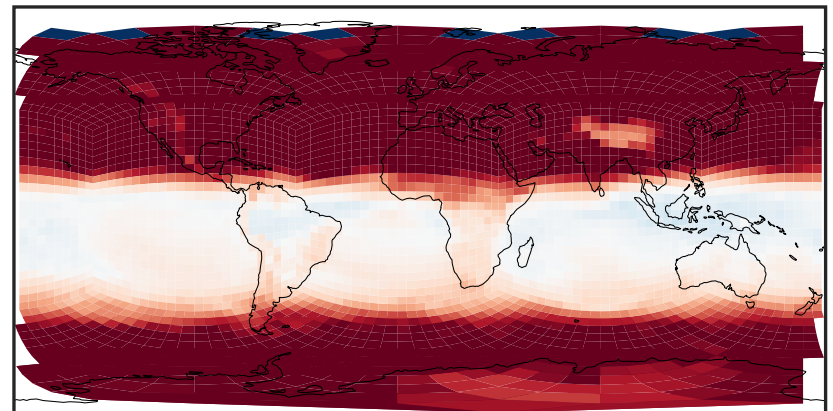
-1.5 0.0 1.5
s-1 $1e-27$

Ratio
Dev/Ref, Dynamic Range



0.244 0.622 1.000 2.550 4.099
unitless

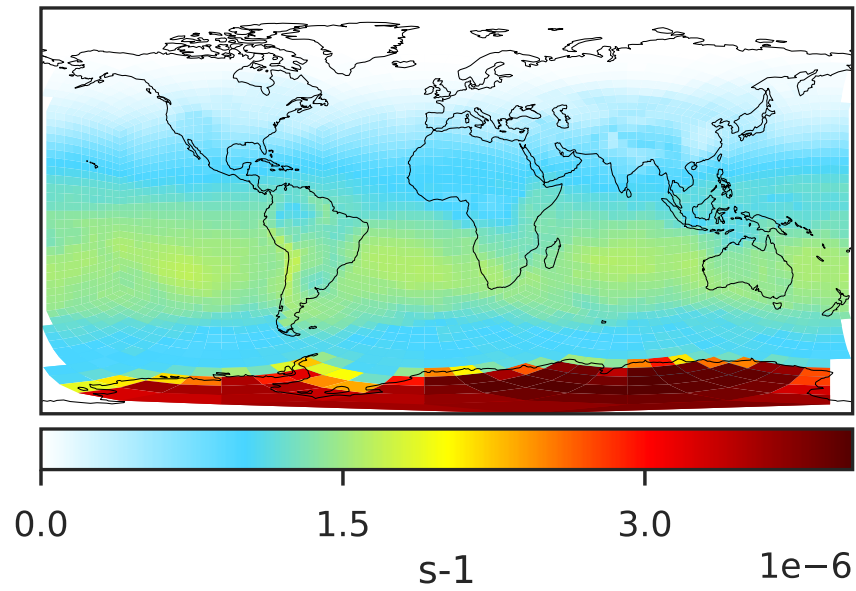
Ratio
Dev/Ref, Fixed Range



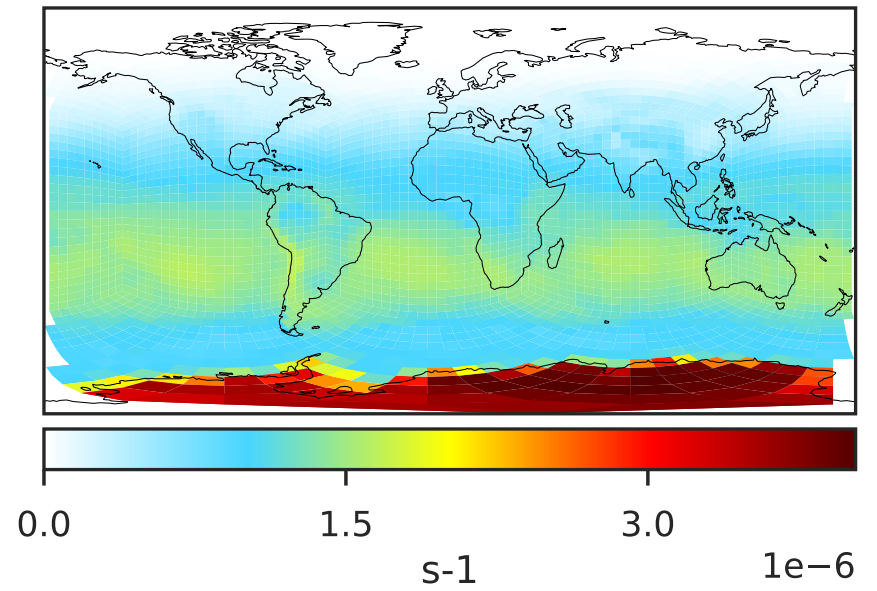
0.50 0.75 1.00 1.50 2.00
unitless

Jval_HMHP (Jan2019)

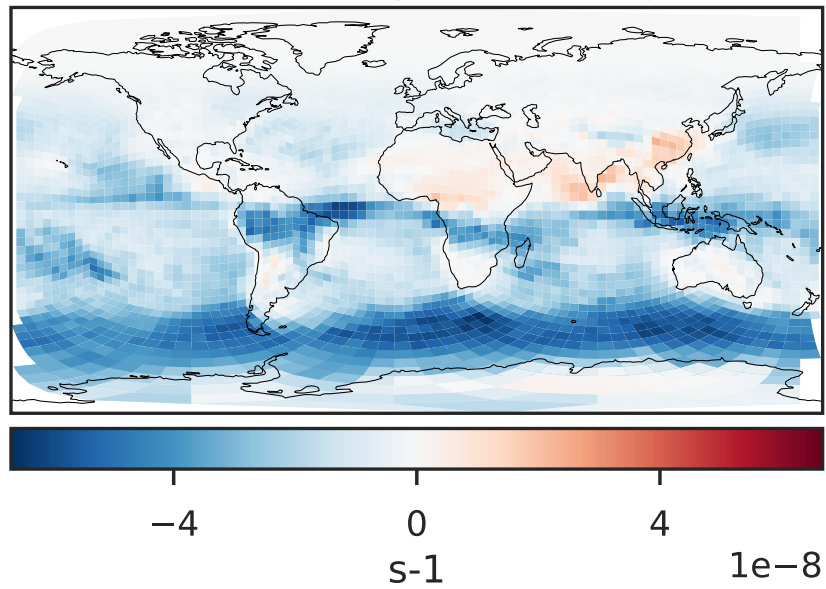
14.2.0-rc.2 (Ref)
c24



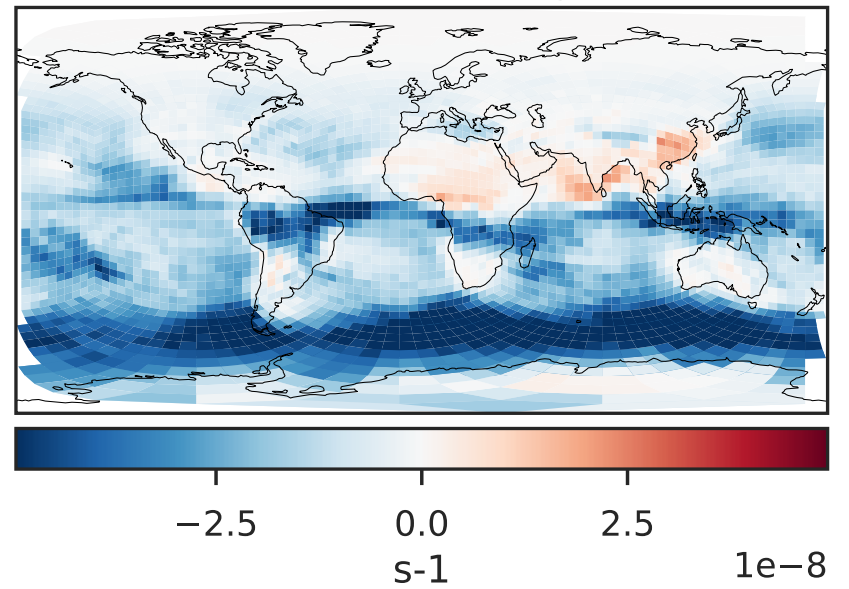
14.3.0-rc.0 (Dev)
c24



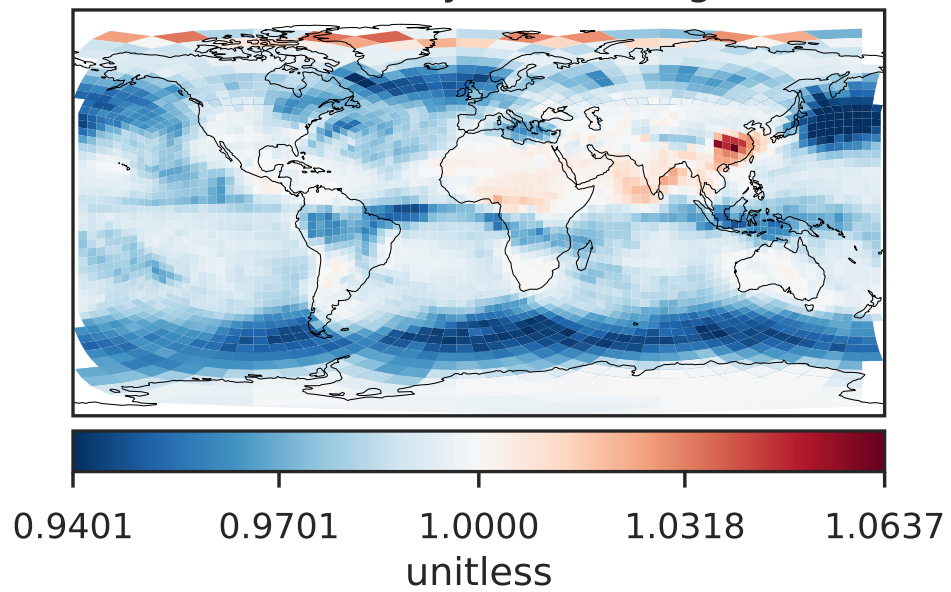
Difference
Dev - Ref, Dynamic Range



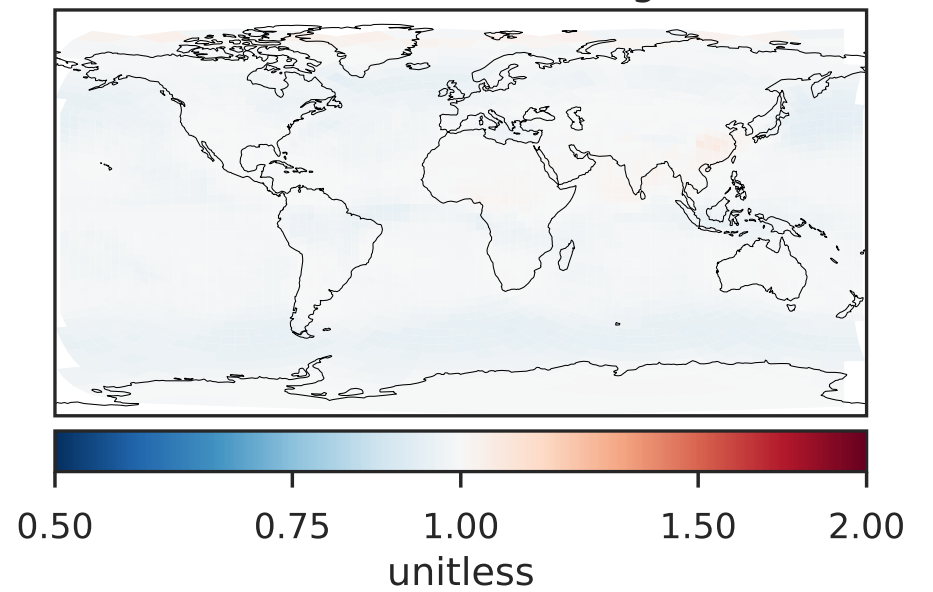
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

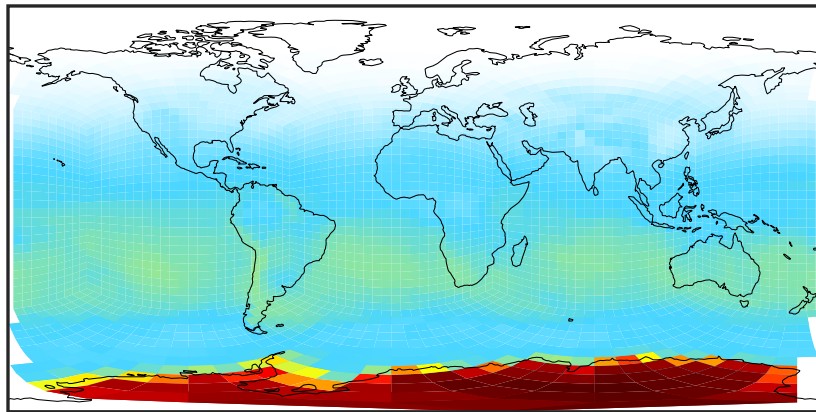


Ratio
Dev/Ref, Fixed Range



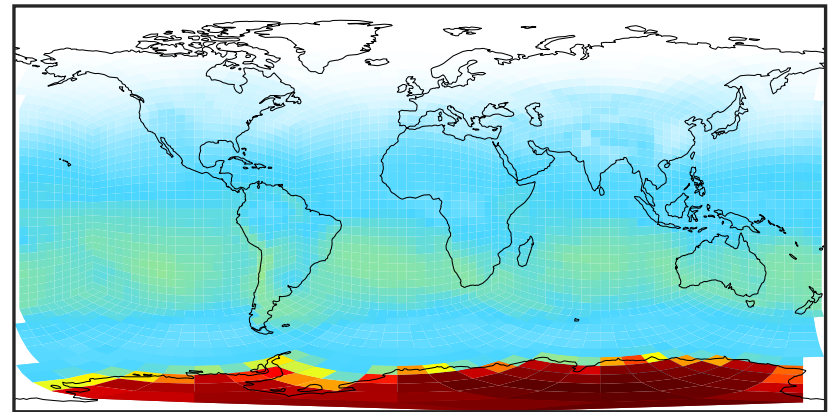
Jval_HNO2 (Jan2019)

14.2.0-rc.2 (Ref)
c24



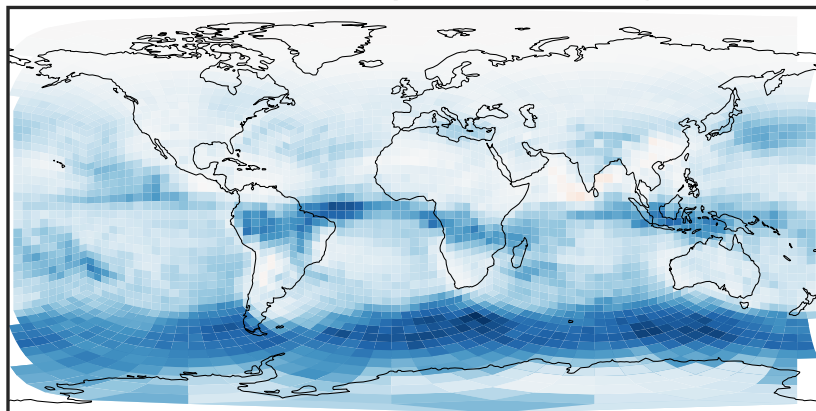
0.0000 0.0005 0.0010 0.0015
s-1

14.3.0-rc.0 (Dev)
c24



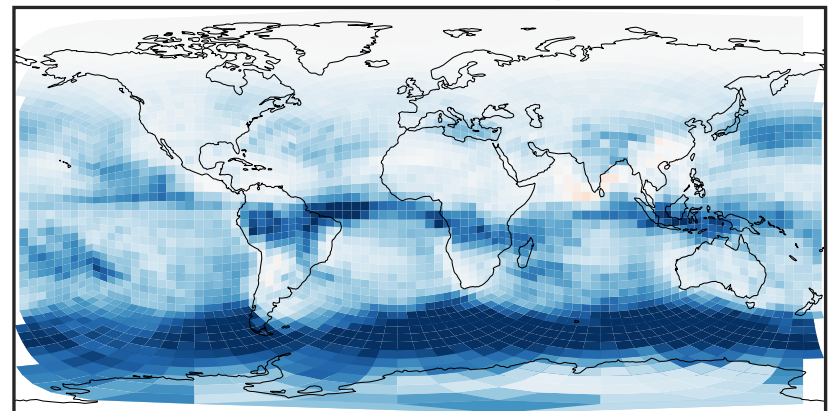
0.0000 0.0005 0.0010 0.0015
s-1

Difference
Dev - Ref, Dynamic Range



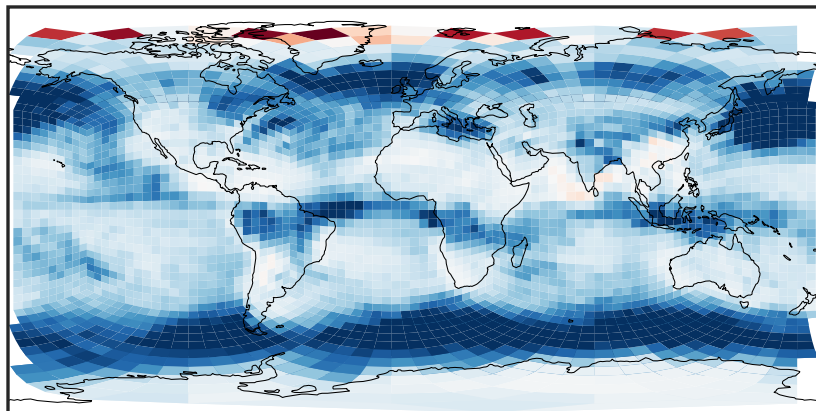
-2 0 2
s-1 1e-5

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



-1.5 0.0 1.5
s-1 1e-5

Ratio
Dev/Ref, Dynamic Range



0.9490 0.9745 1.0000 1.0269 1.0538
unitless

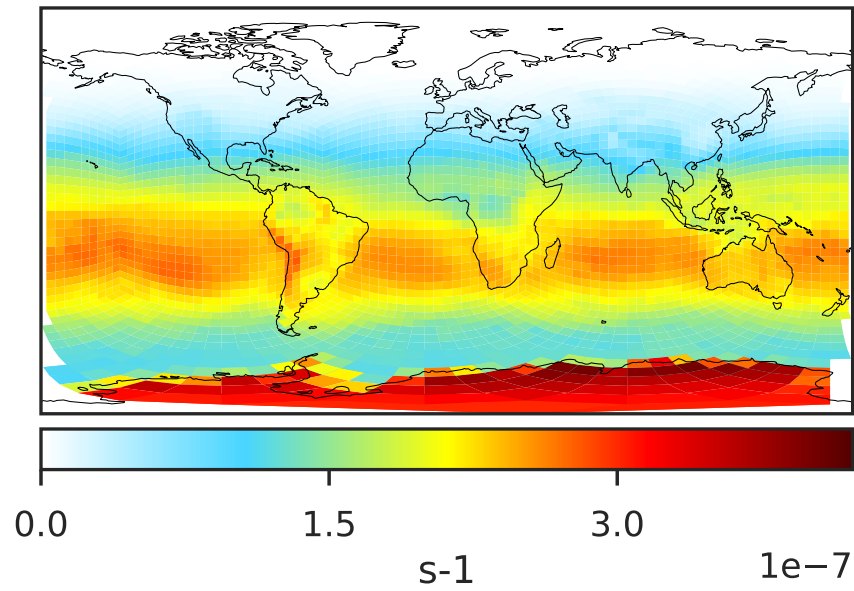
Ratio
Dev/Ref, Fixed Range



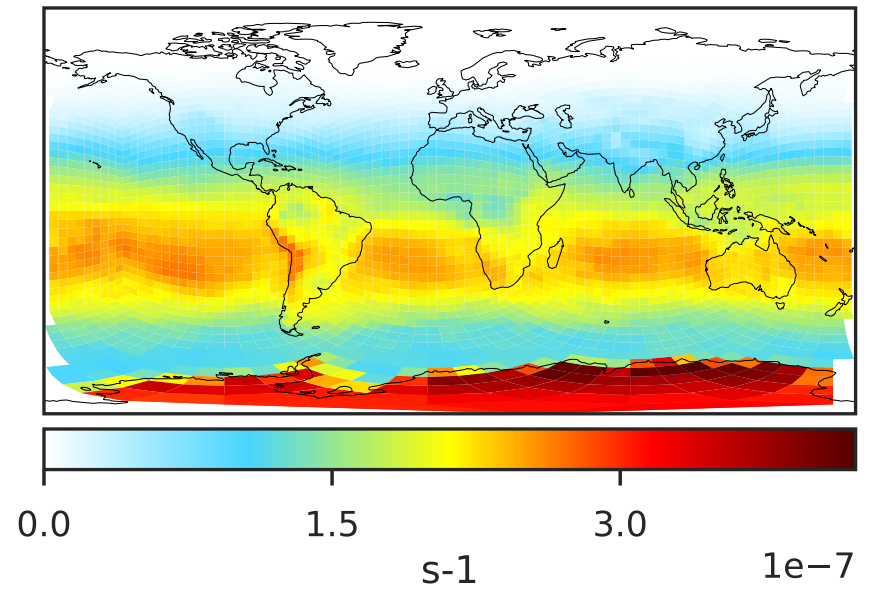
0.50 0.75 1.00 1.50 2.00
unitless

Jval_HNO3 (Jan2019)

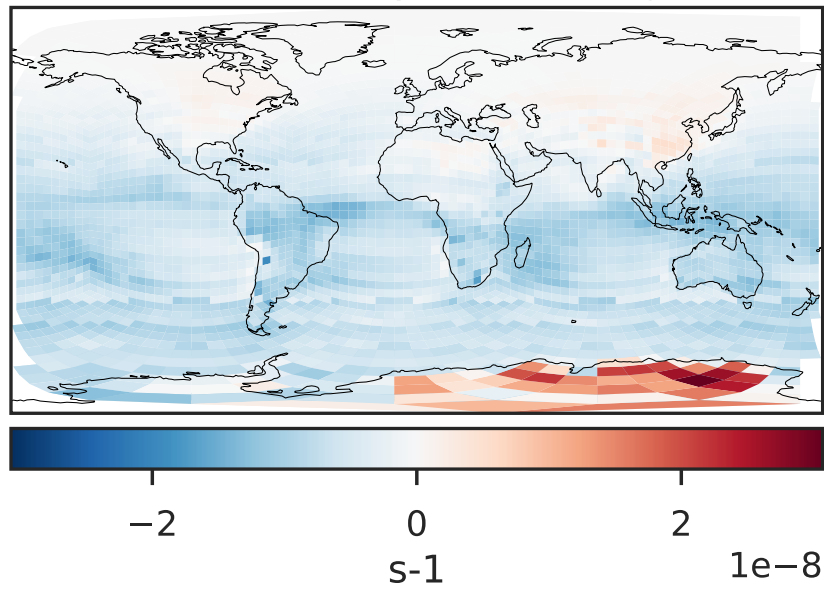
14.2.0-rc.2 (Ref)
c24



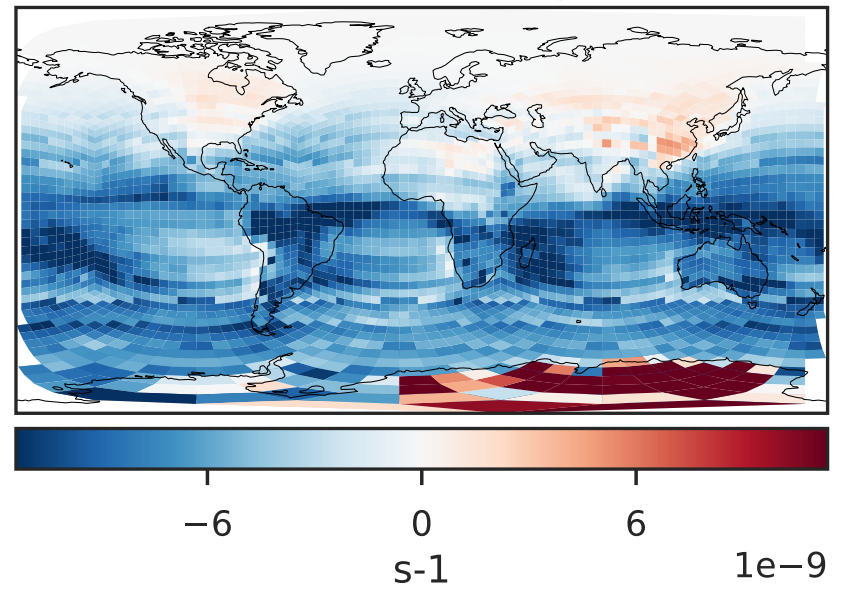
14.3.0-rc.0 (Dev)
c24



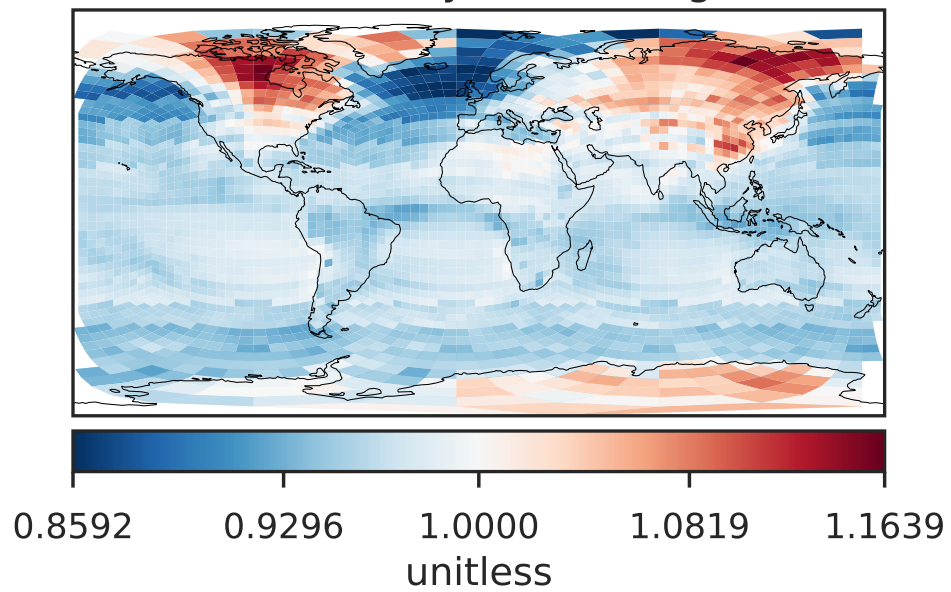
Difference
Dev - Ref, Dynamic Range



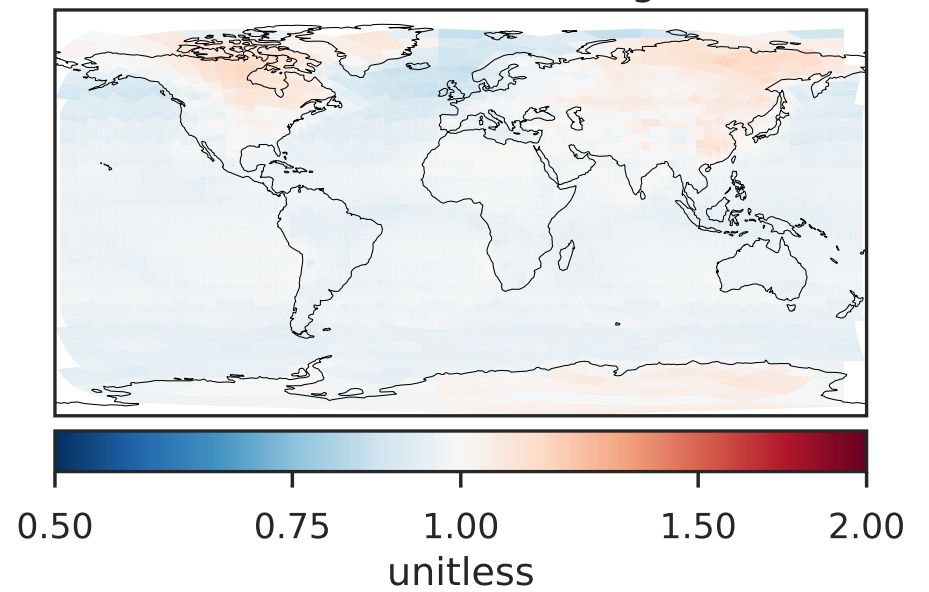
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

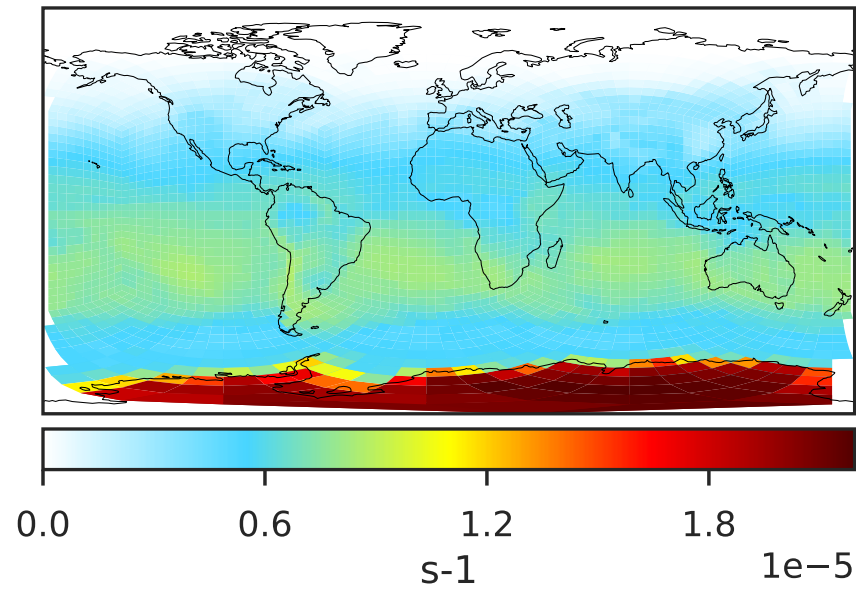


Ratio
Dev/Ref, Fixed Range

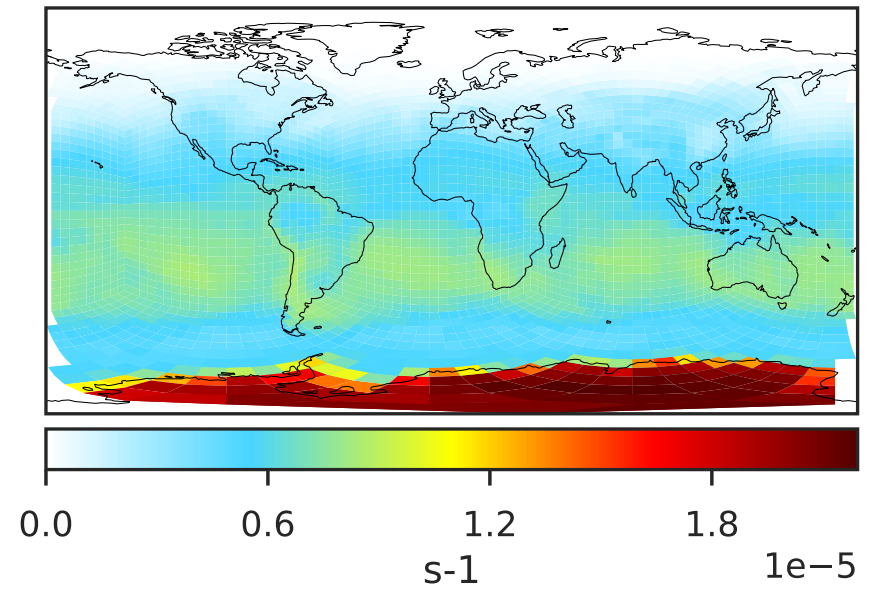


Jval_HNO4 (Jan2019)

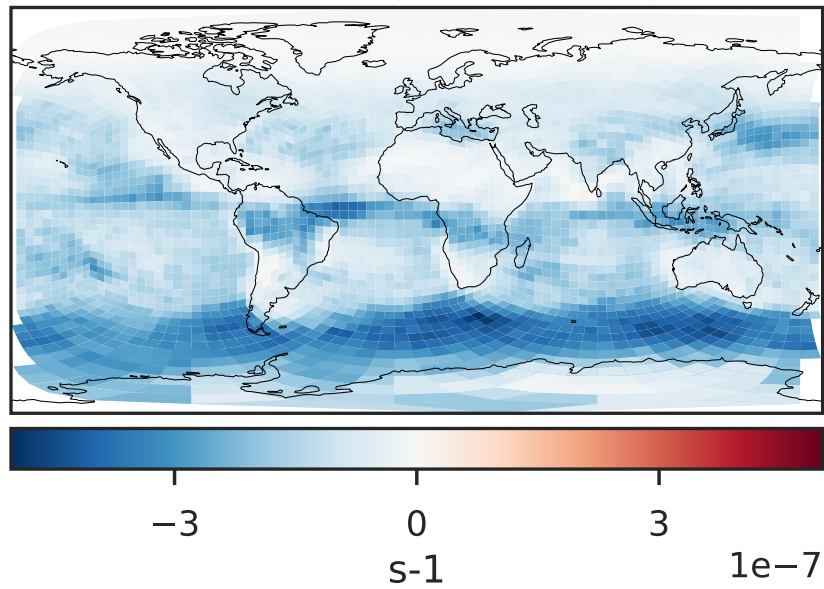
14.2.0-rc.2 (Ref)
c24



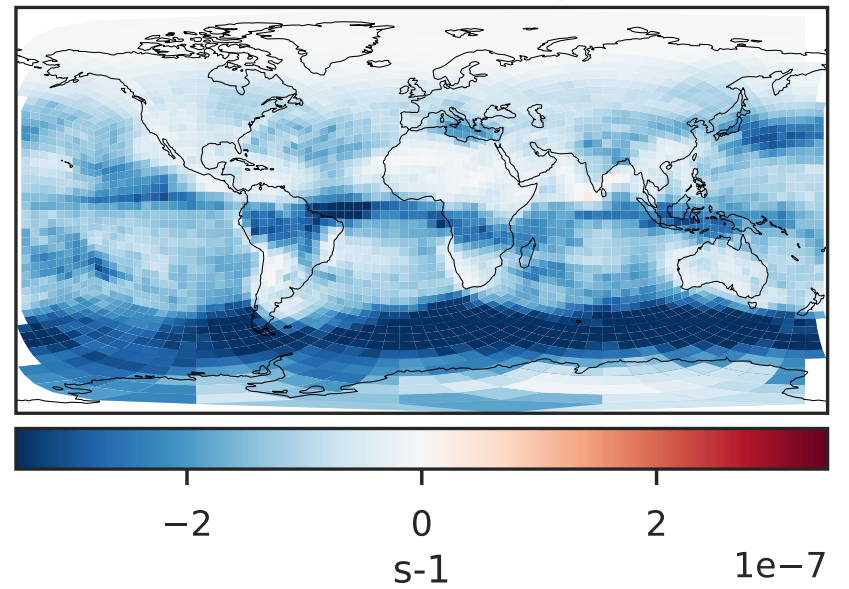
14.3.0-rc.0 (Dev)
c24



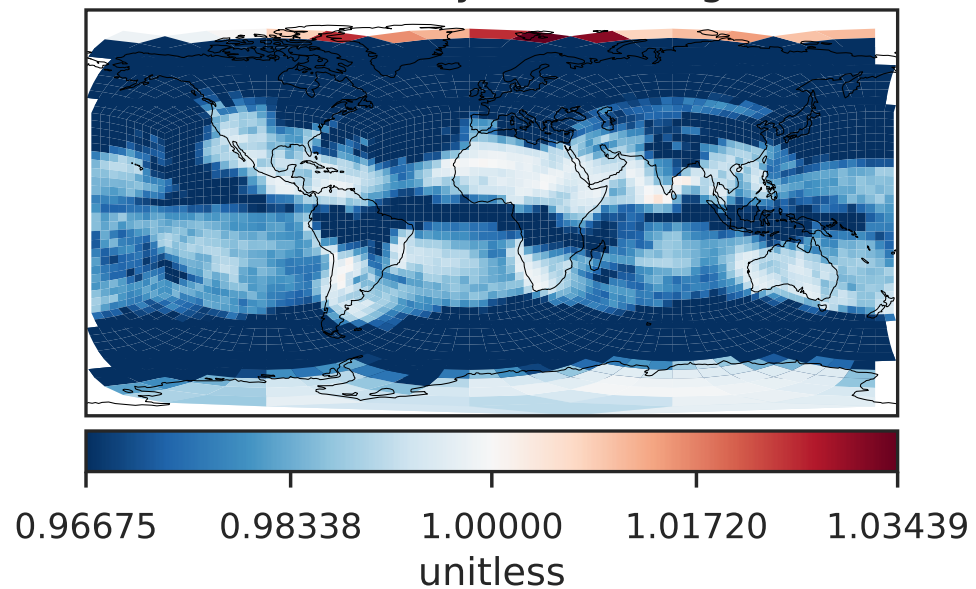
Difference
Dev - Ref, Dynamic Range



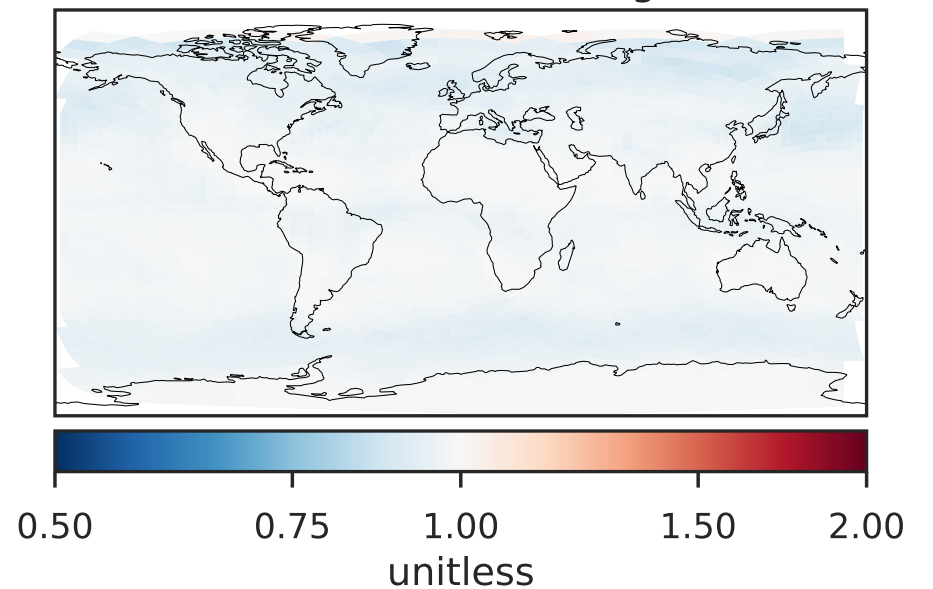
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

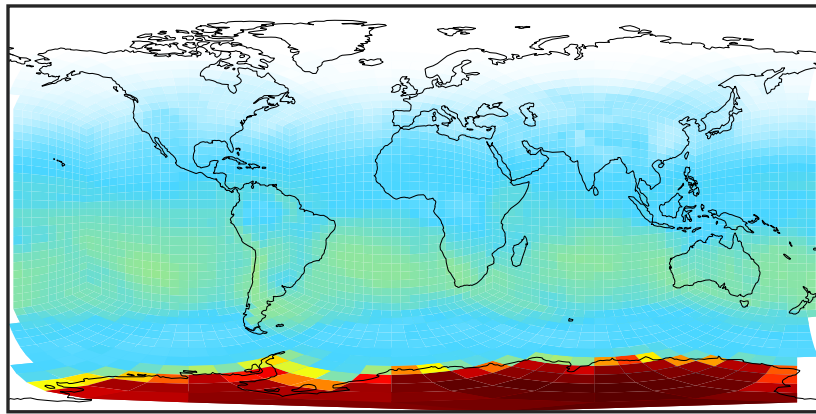


Ratio
Dev/Ref, Fixed Range



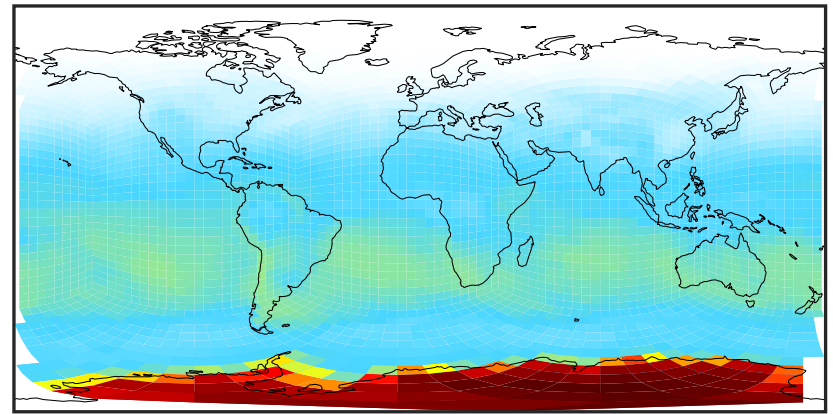
Jval_HOBr (Jan2019)

14.2.0-rc.2 (Ref)
c24



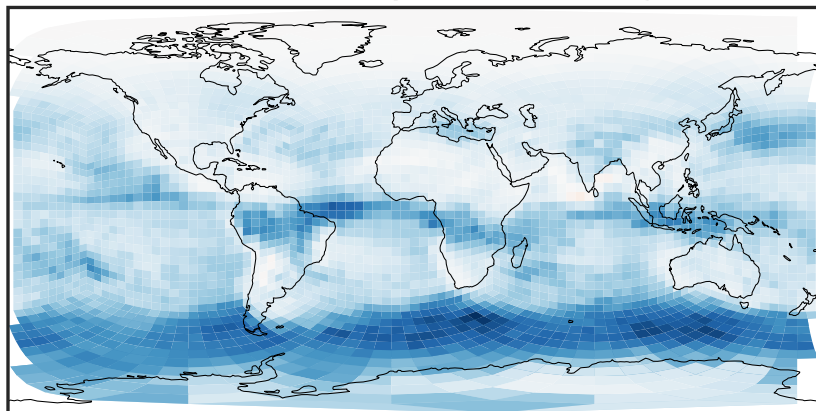
0.0000 0.0008 0.0016 0.0024
s-1

14.3.0-rc.0 (Dev)
c24



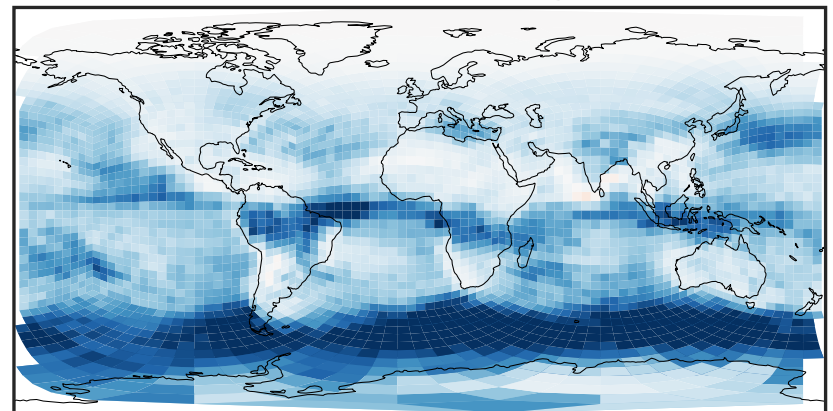
0.0000 0.0008 0.0016 0.0024
s-1

Difference
Dev - Ref, Dynamic Range



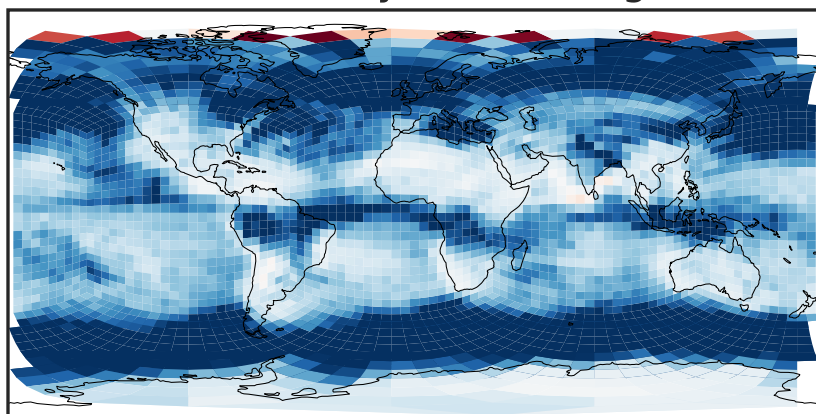
-3 0 3
s-1 1e-5

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



-2 0 2
s-1 1e-5

Ratio
Dev/Ref, Dynamic Range



0.95771 0.97886 1.00000 1.02208 1.04416
unitless

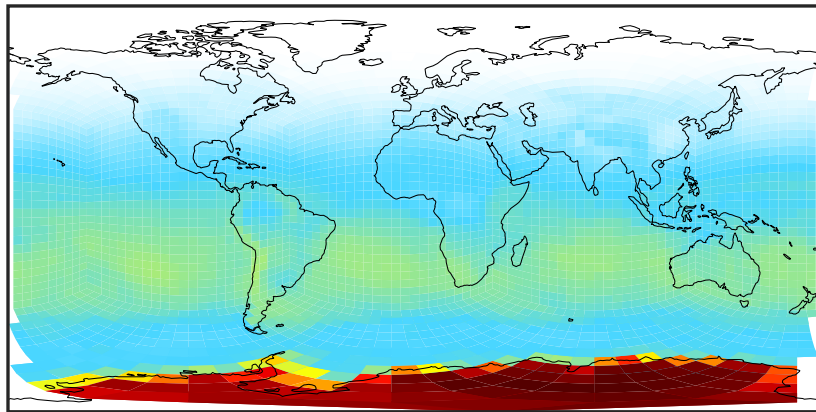
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

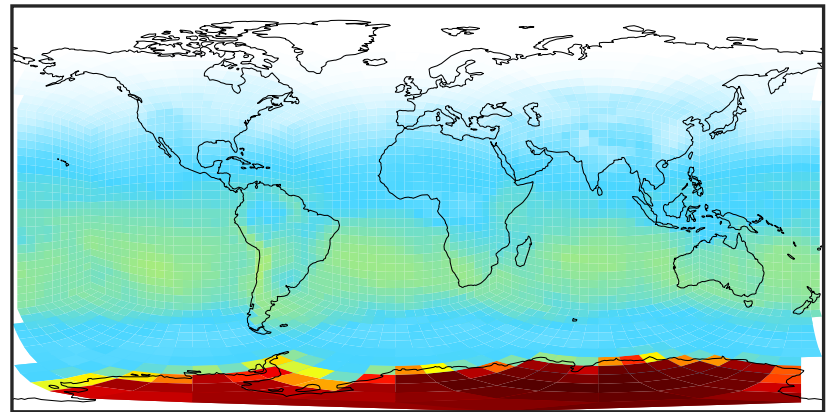
Jval_HOCl (Jan2019)

14.2.0-rc.2 (Ref)
c24



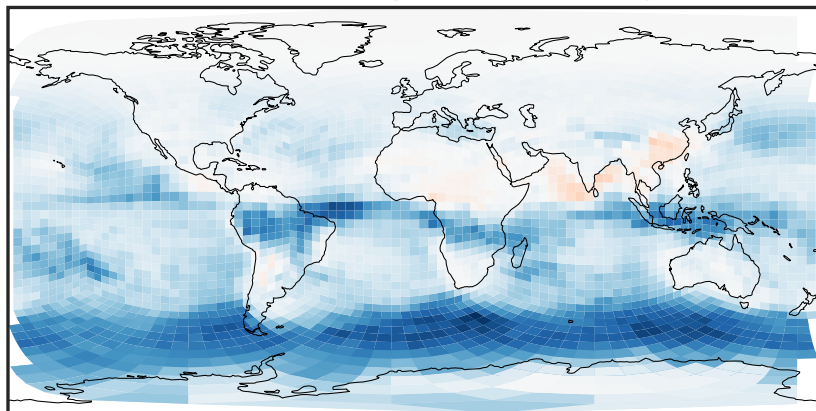
0.00000 0.00008 0.00016 0.00024
s-1

14.3.0-rc.0 (Dev)
c24



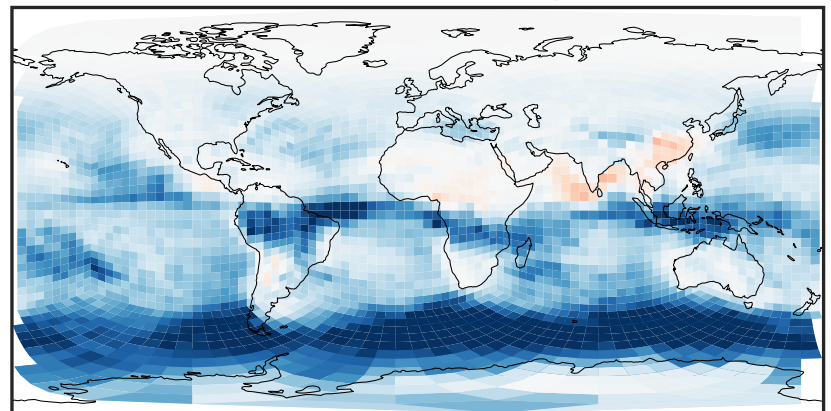
0.00000 0.00008 0.00016 0.00024
s-1

Difference
Dev - Ref, Dynamic Range



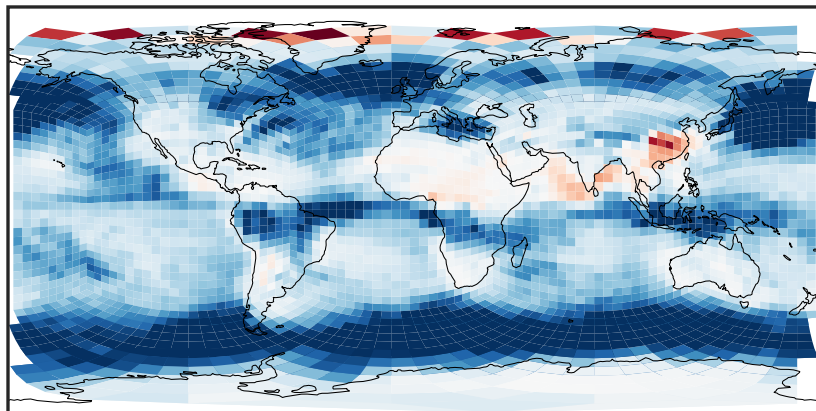
-3 0 3
s-1 1e-6

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



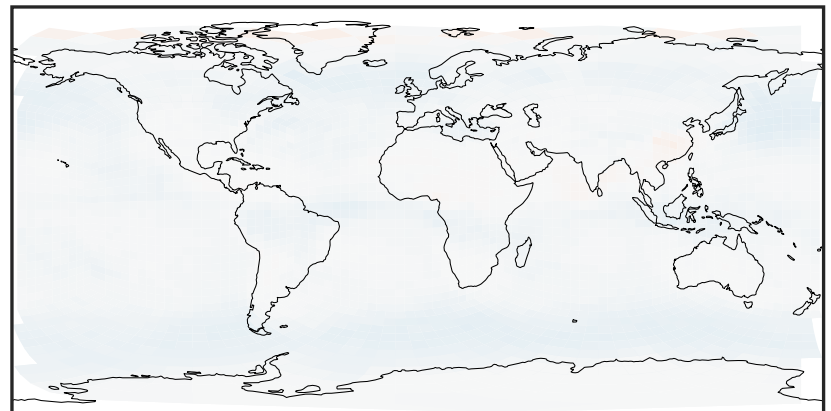
-2 0 2
s-1 1e-6

Ratio
Dev/Ref, Dynamic Range



0.95783 0.97891 1.00000 1.02202 1.04403
unitless

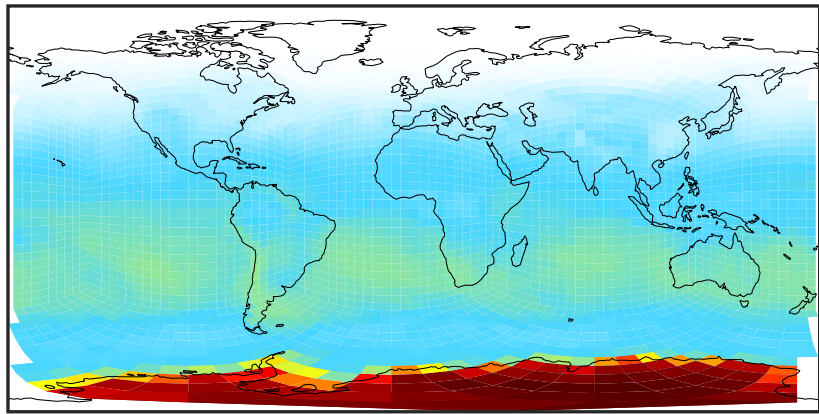
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

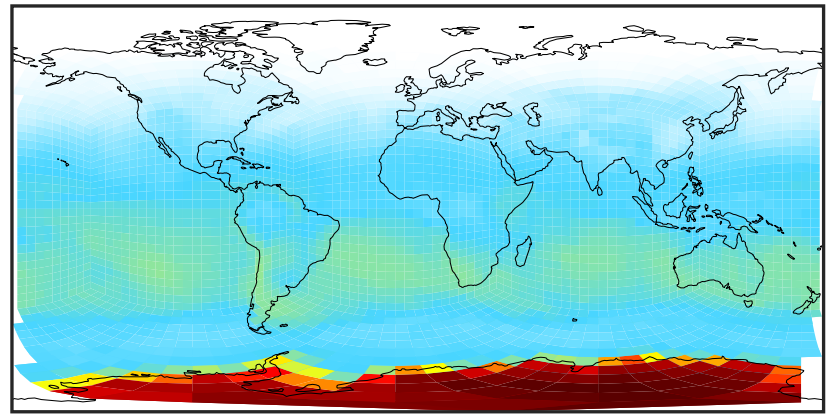
Jval_HOI (Jan2019)

14.2.0-rc.2 (Ref)
c24



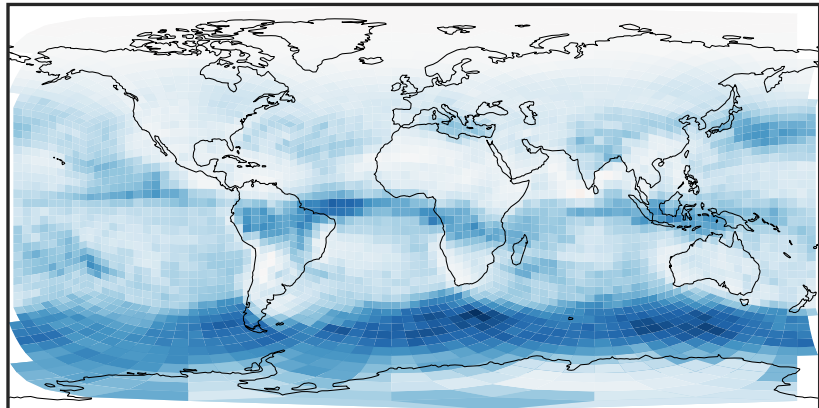
0.000 0.004 0.008 0.012
s-1

14.3.0-rc.0 (Dev)
c24



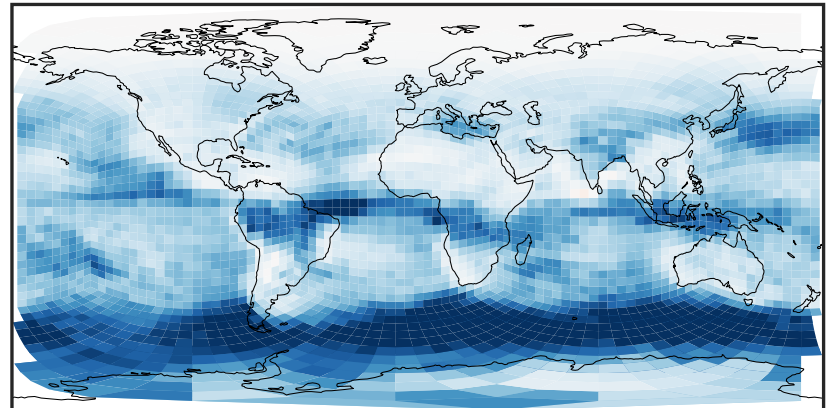
0.000 0.004 0.008 0.012
s-1

Difference
Dev - Ref, Dynamic Range



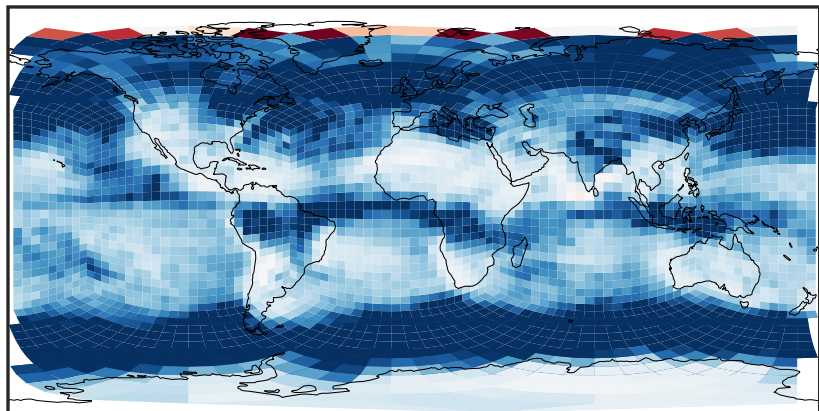
-0.00015 0.00000 0.00015
s-1

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



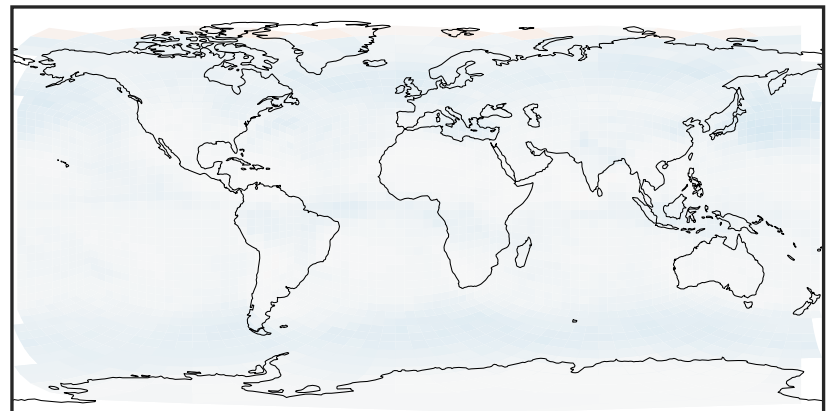
-0.0001 0.0000 0.0001
s-1

Ratio
Dev/Ref, Dynamic Range



0.95724 0.97862 1.00000 1.02234 1.04467
unitless

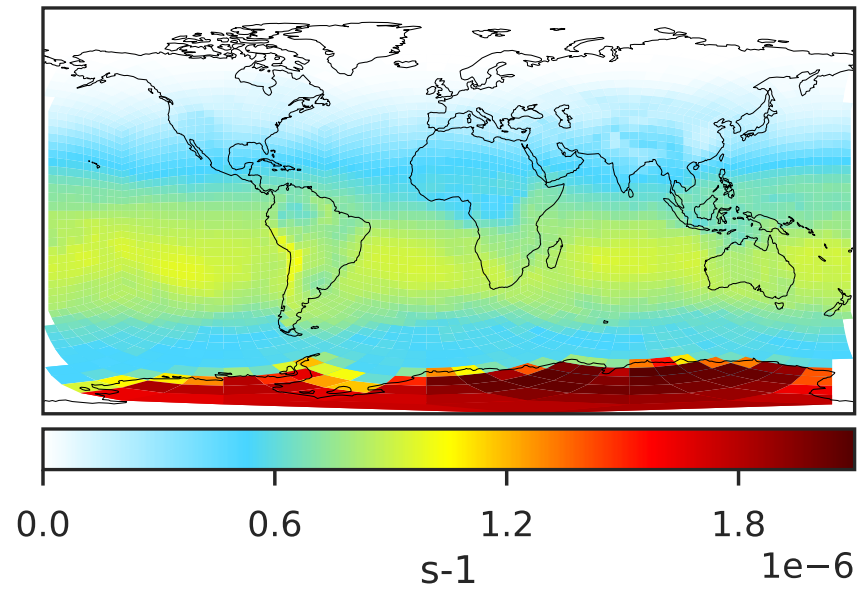
Ratio
Dev/Ref, Fixed Range



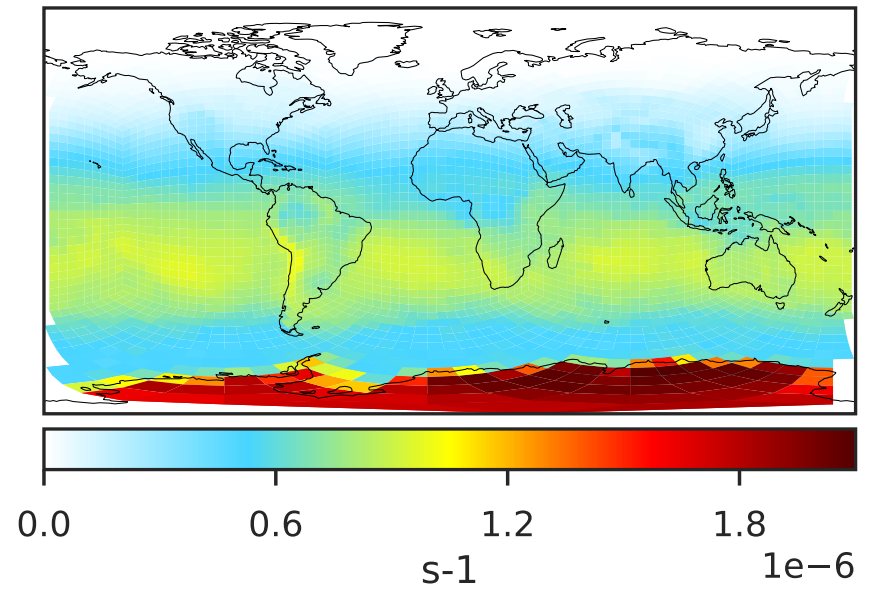
0.50 0.75 1.00 1.50 2.00
unitless

Jval_HONIT (Jan2019)

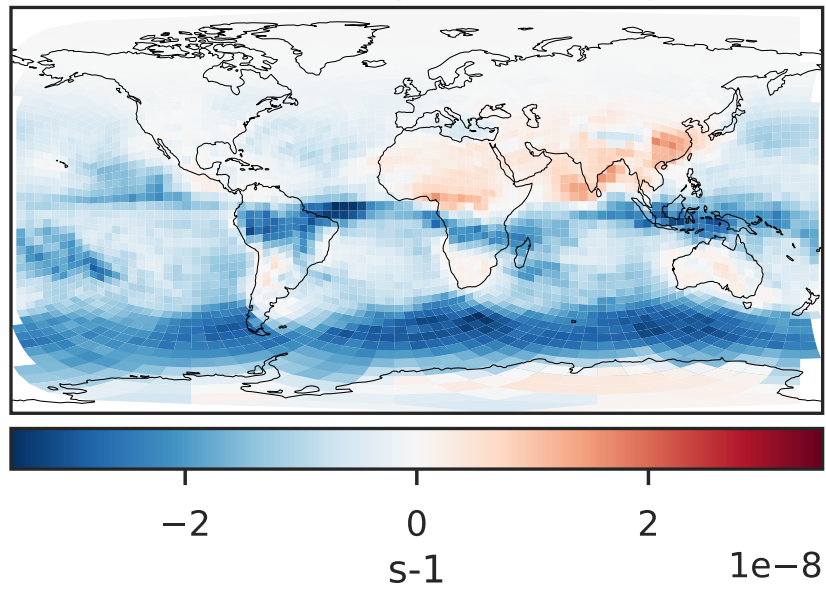
14.2.0-rc.2 (Ref)
c24



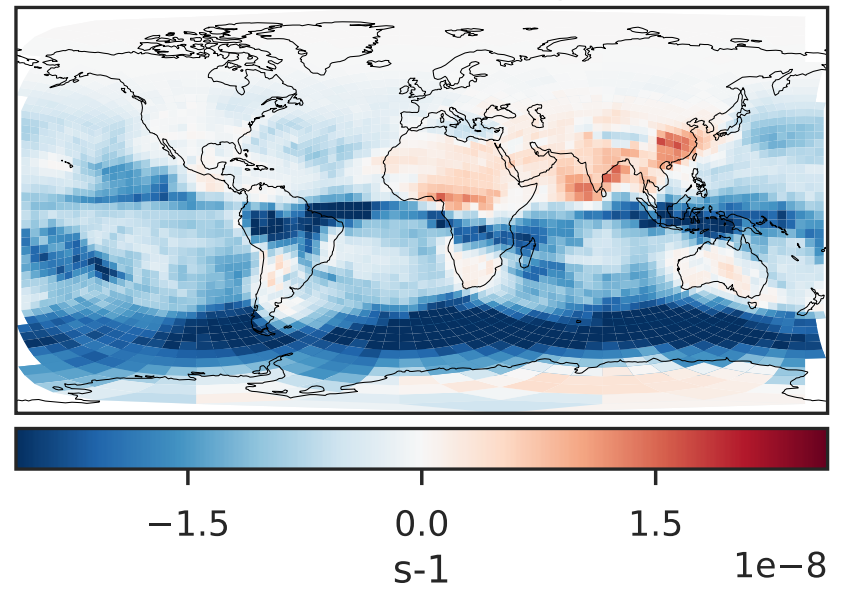
14.3.0-rc.0 (Dev)
c24



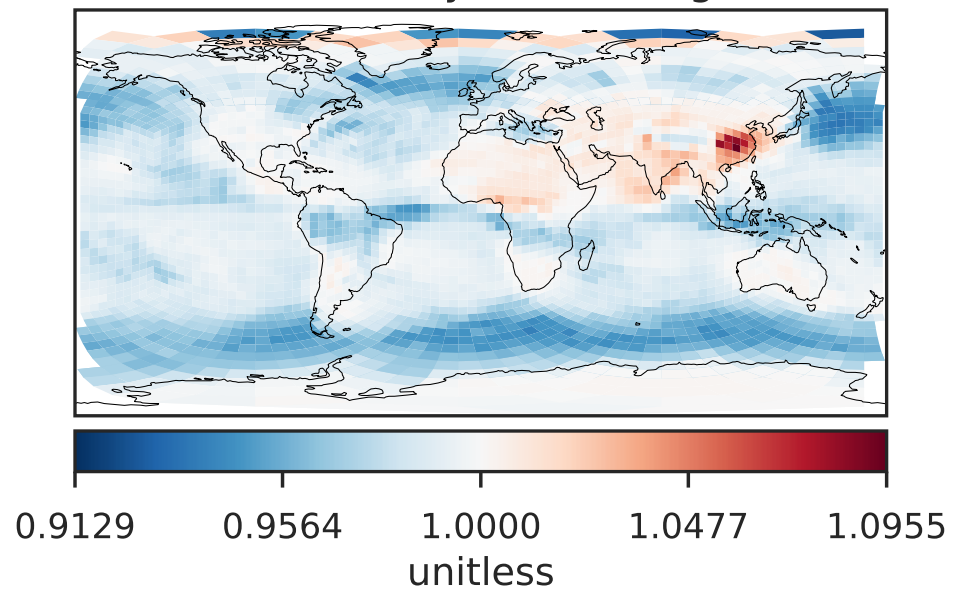
Difference
Dev - Ref, Dynamic Range



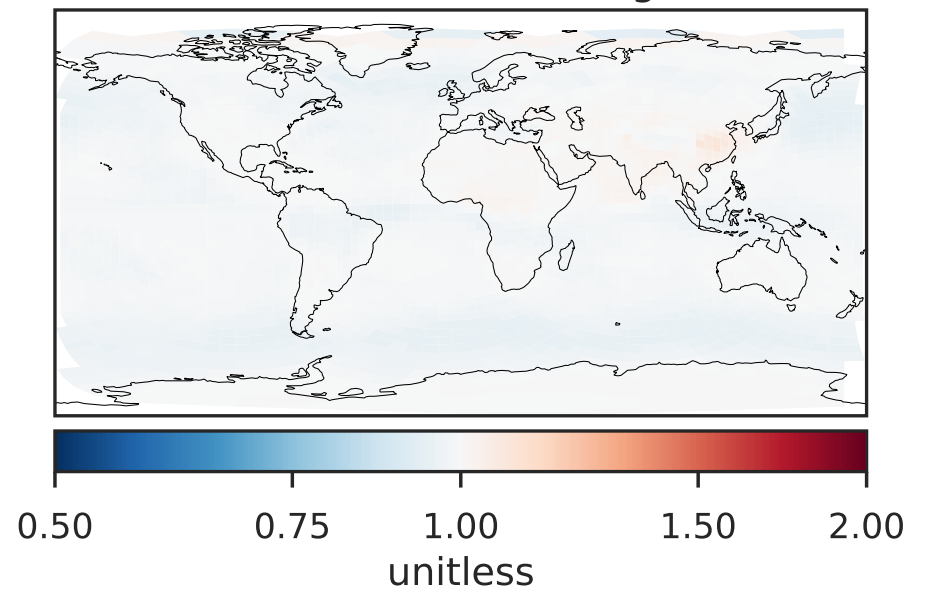
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

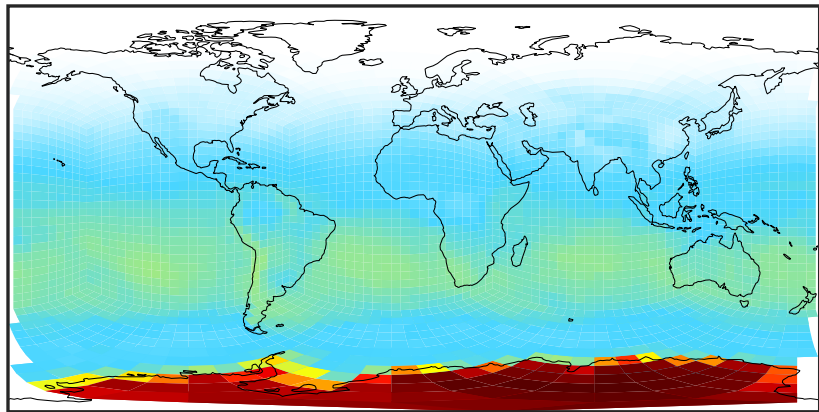


Ratio
Dev/Ref, Fixed Range



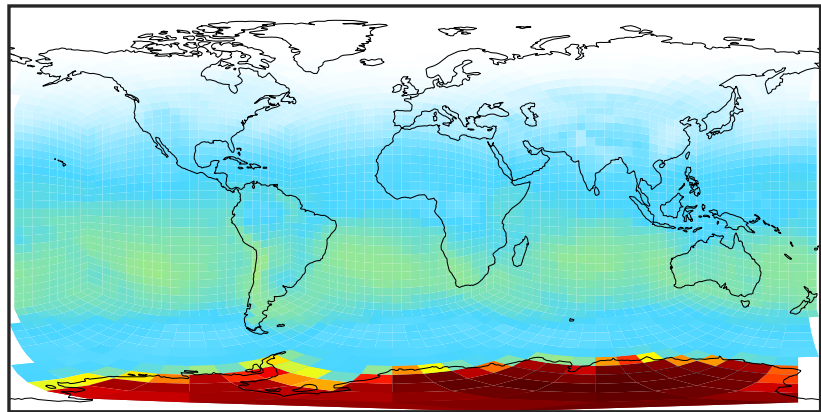
Jval_HPALD1 (Jan2019)

14.2.0-rc.2 (Ref)
c24



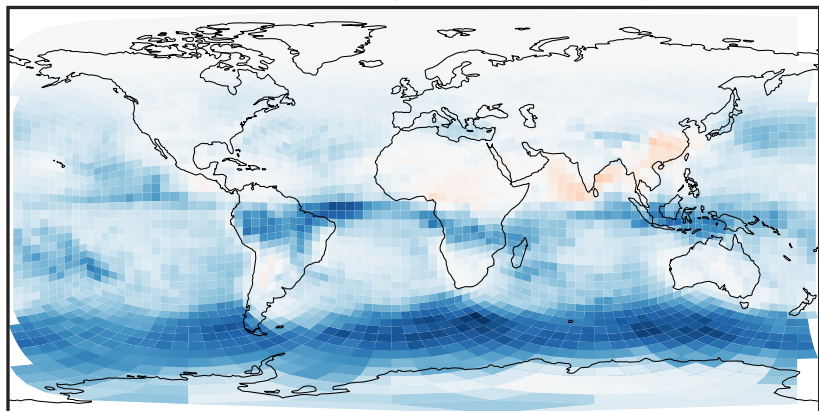
0.0000 0.0001 0.0002 0.0003
s-1

14.3.0-rc.0 (Dev)
c24



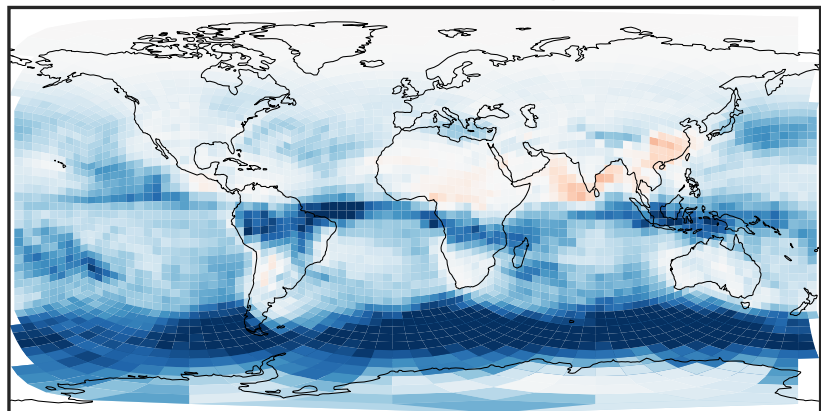
0.0000 0.0001 0.0002 0.0003
s-1

Difference
Dev - Ref, Dynamic Range



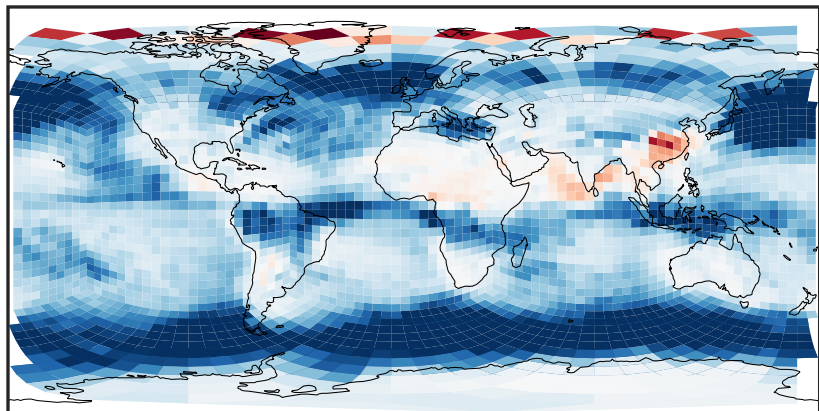
-3 0 3
s-1 1e-6

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



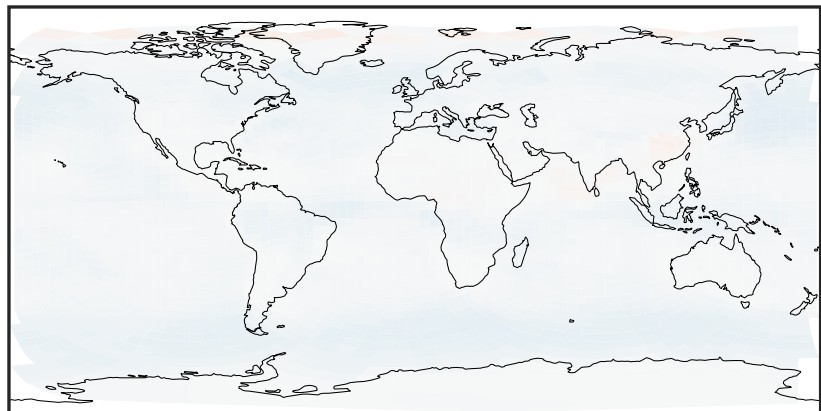
-2.5 0.0 2.5
s-1 1e-6

Ratio
Dev/Ref, Dynamic Range



0.95681 0.97841 1.00000 1.02257 1.04514
unitless

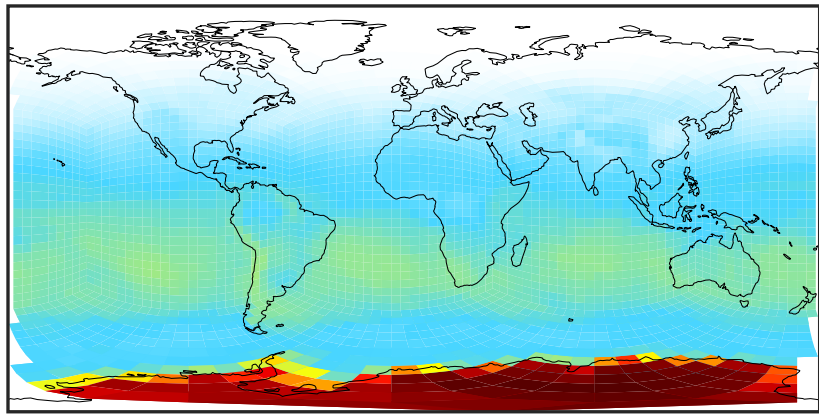
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

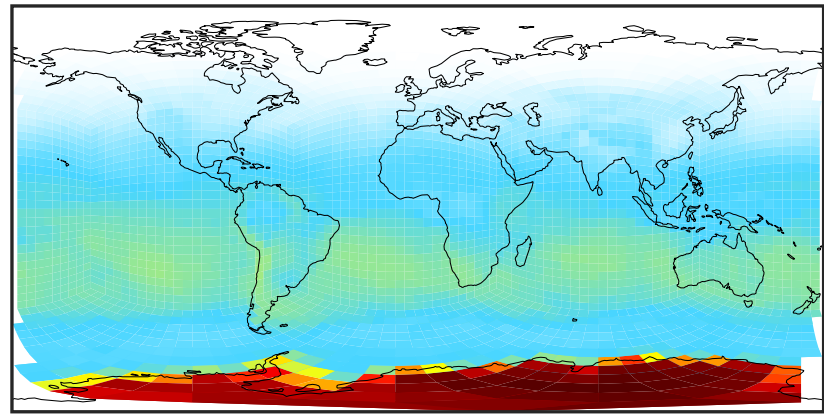
Jval_HPALD2 (Jan2019)

14.2.0-rc.2 (Ref)
c24



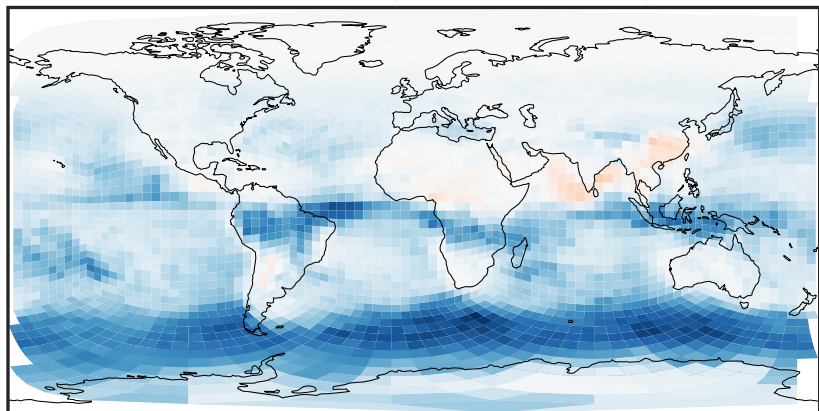
0.0000 0.0001 0.0002 0.0003
s-1

14.3.0-rc.0 (Dev)
c24



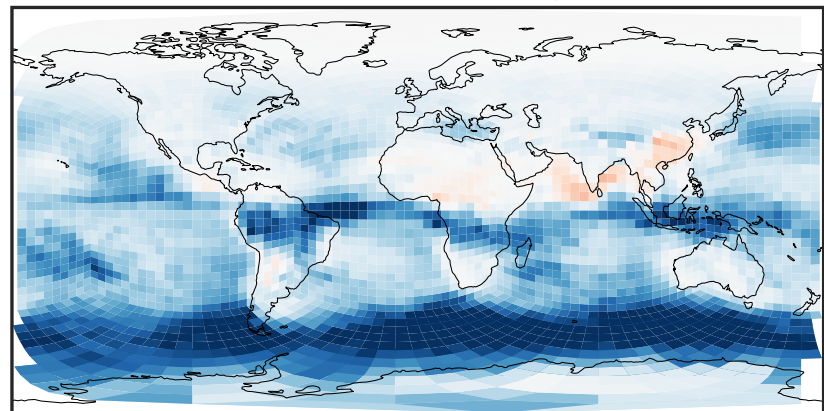
0.0000 0.0001 0.0002 0.0003
s-1

Difference
Dev - Ref, Dynamic Range



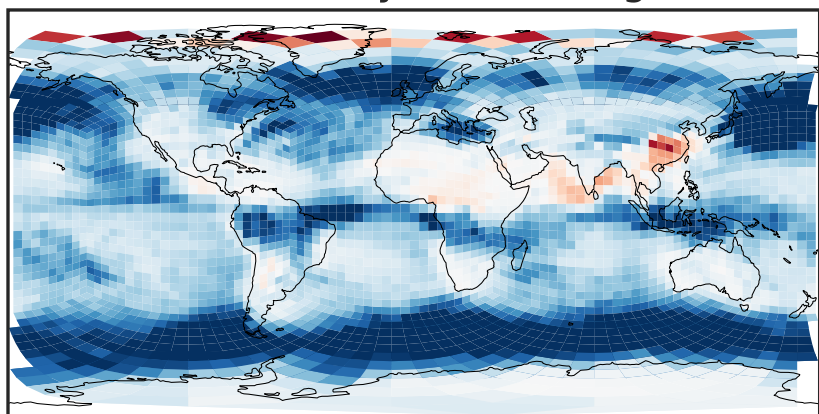
-3 0 3
s-1 1e-6

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



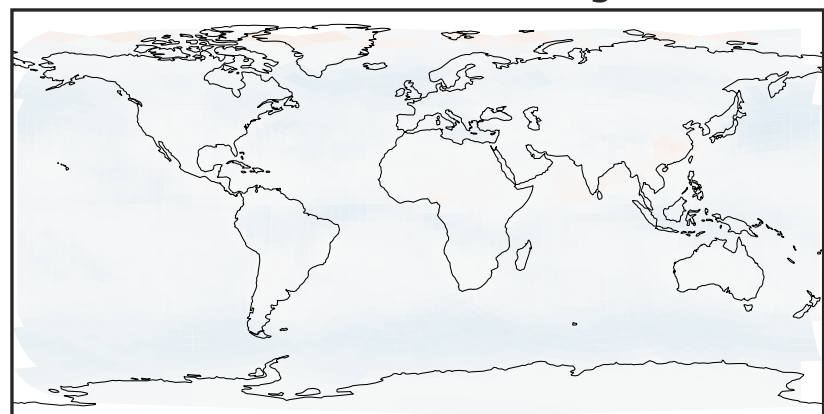
-2.5 0.0 2.5
s-1 1e-6

Ratio
Dev/Ref, Dynamic Range



0.95681 0.97841 1.00000 1.02257 1.04514
unitless

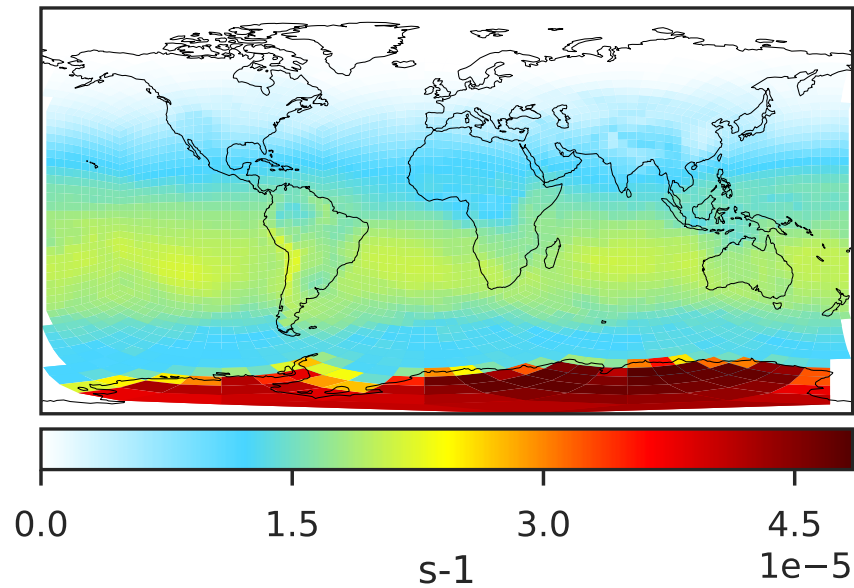
Ratio
Dev/Ref, Fixed Range



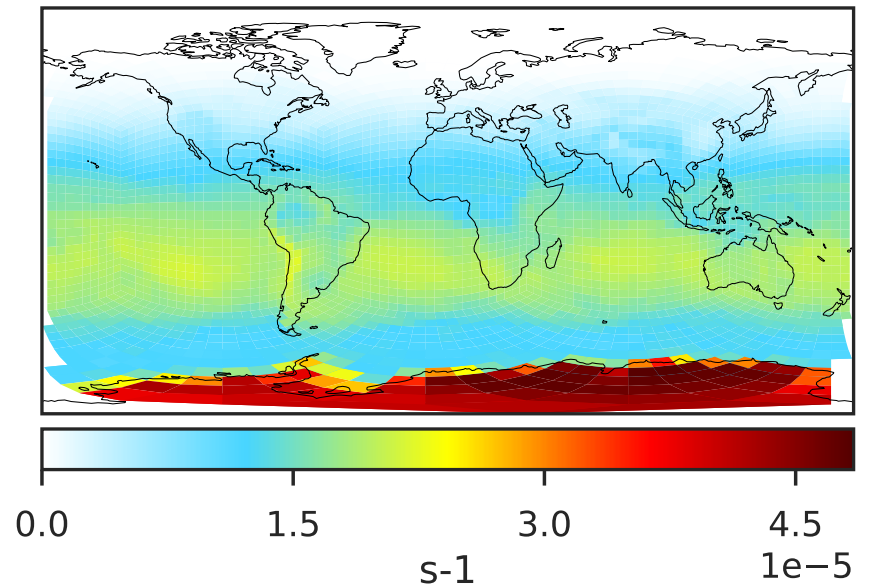
0.50 0.75 1.00 1.50 2.00
unitless

Jval_HPALD3 (Jan2019)

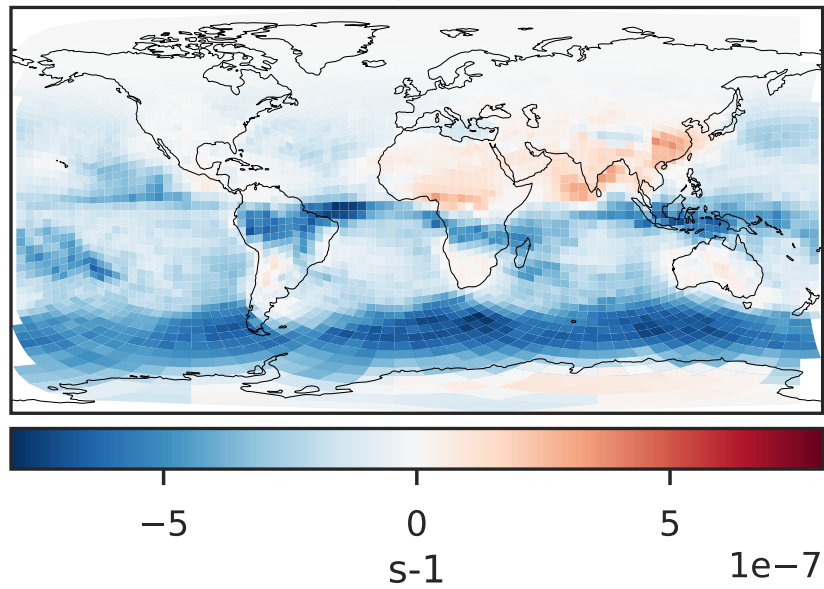
14.2.0-rc.2 (Ref)
c24



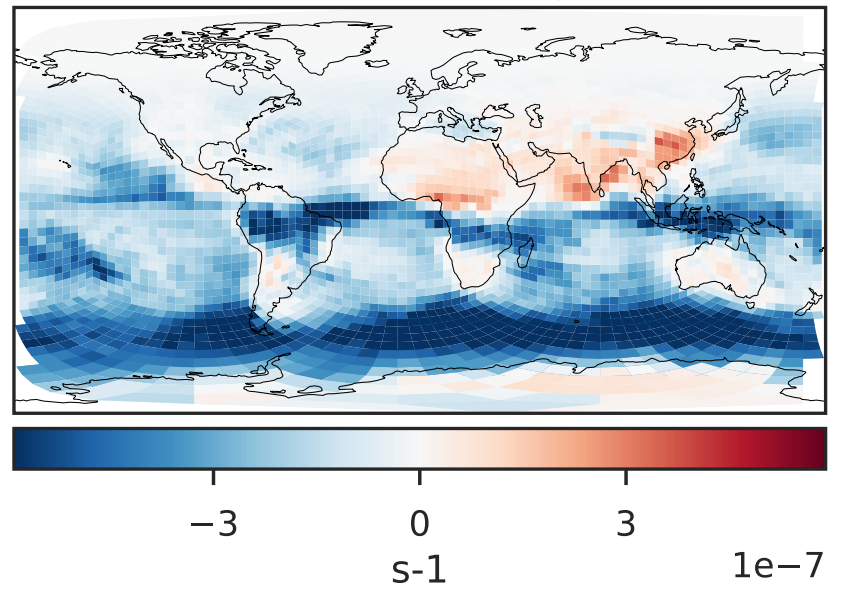
14.3.0-rc.0 (Dev)
c24



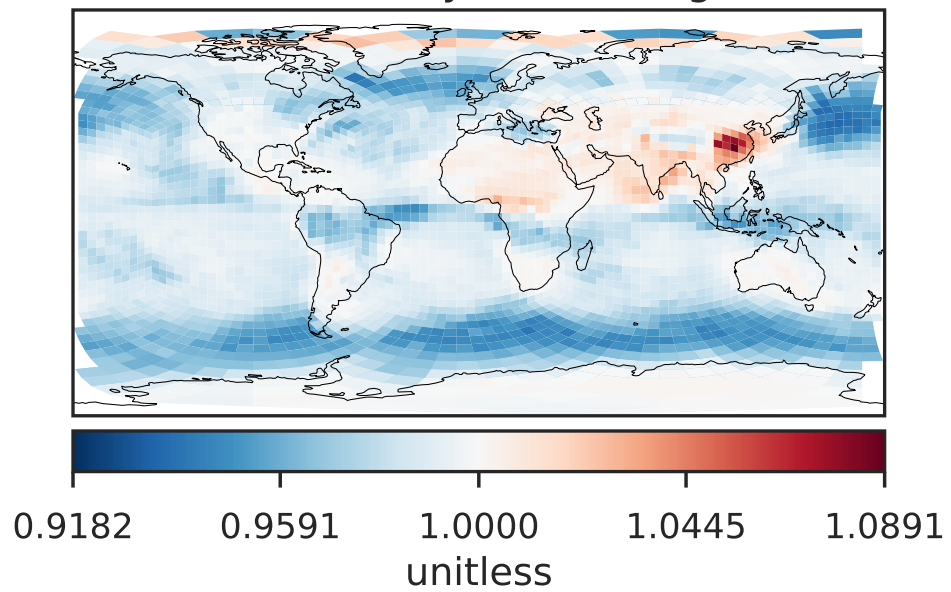
Difference
Dev - Ref, Dynamic Range



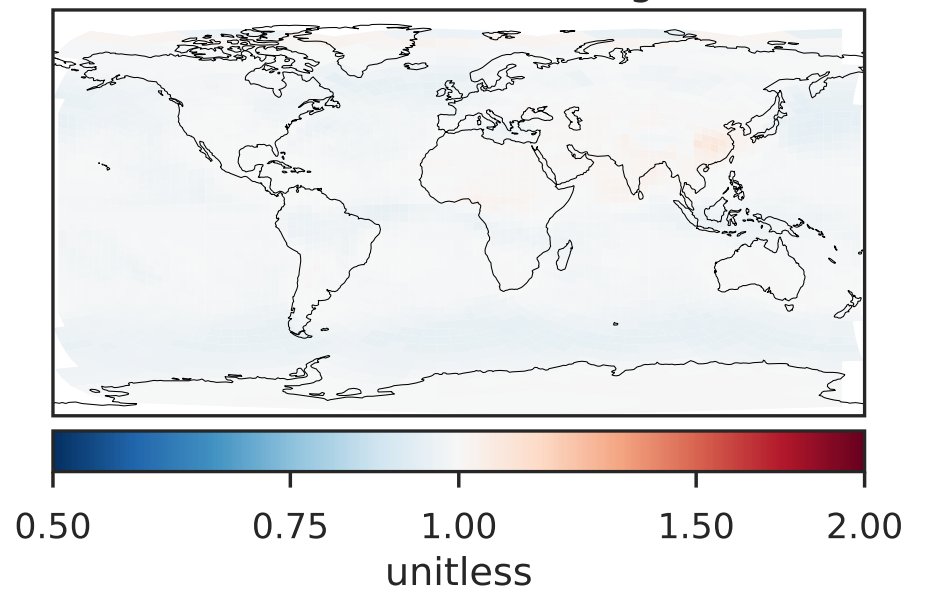
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

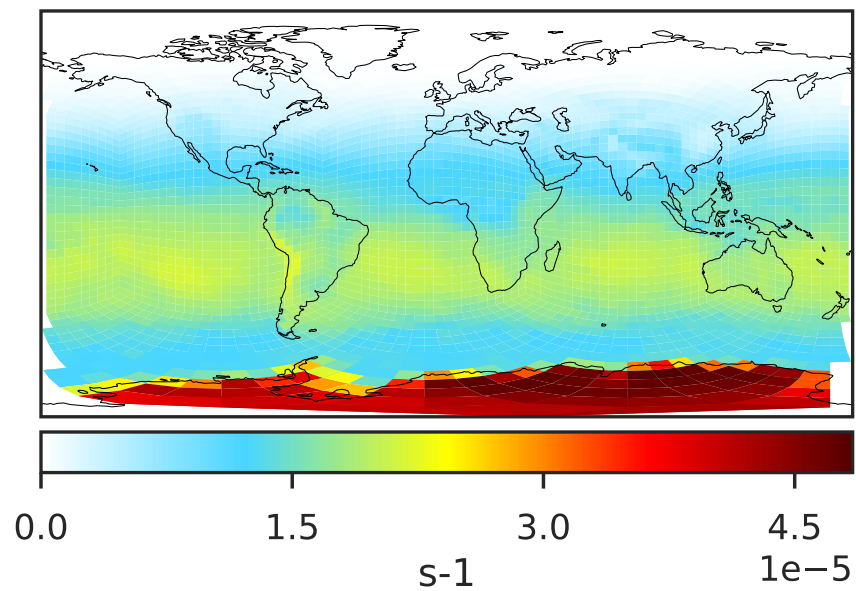


Ratio
Dev/Ref, Fixed Range

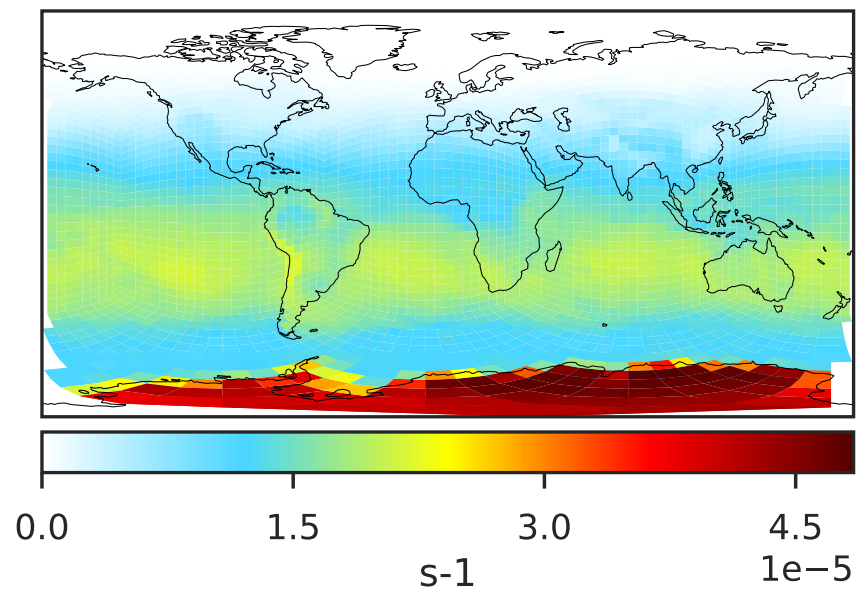


Jval_HPALD4 (Jan2019)

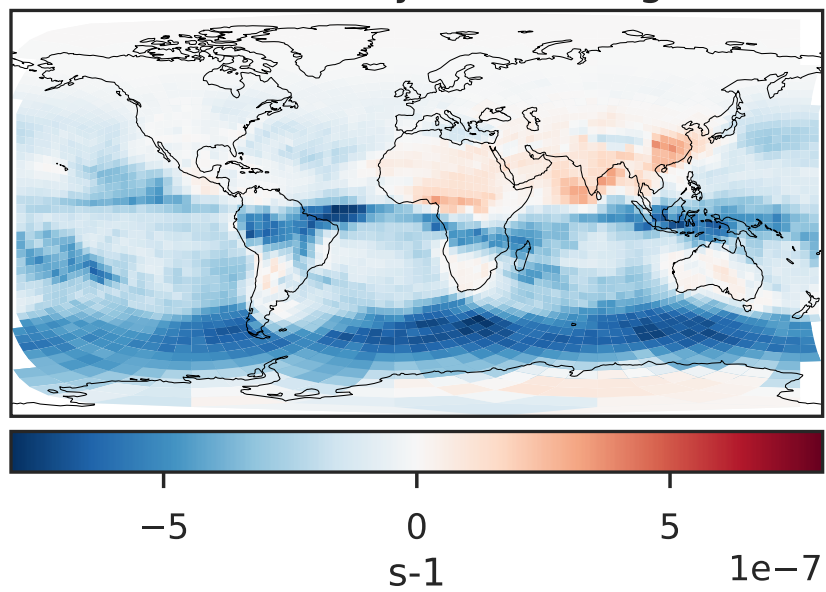
14.2.0-rc.2 (Ref)
c24



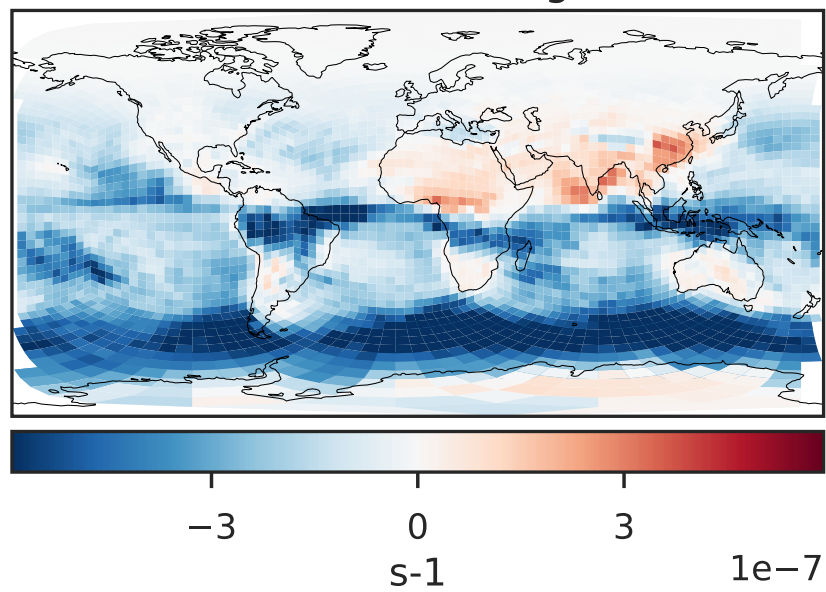
14.3.0-rc.0 (Dev)
c24



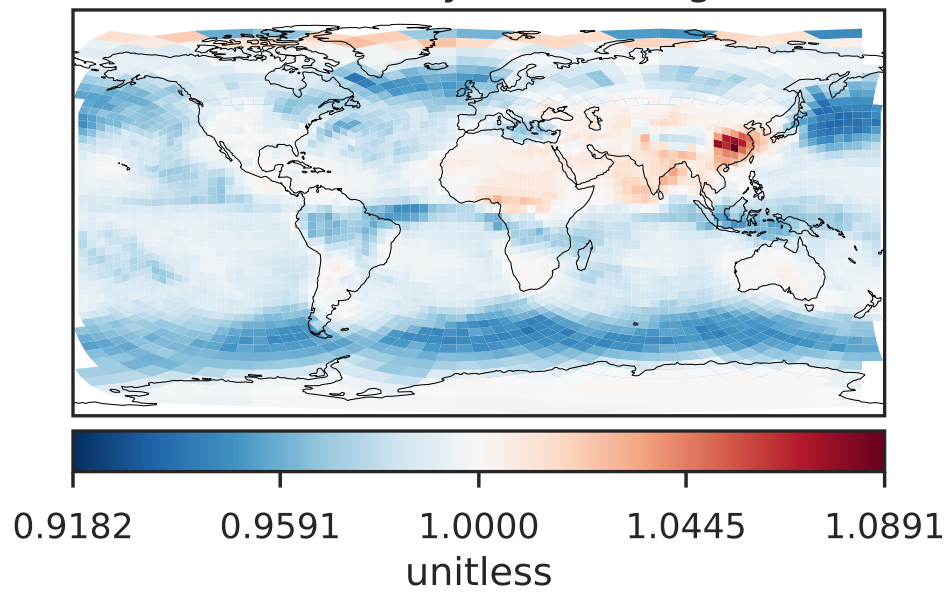
Difference
Dev - Ref, Dynamic Range



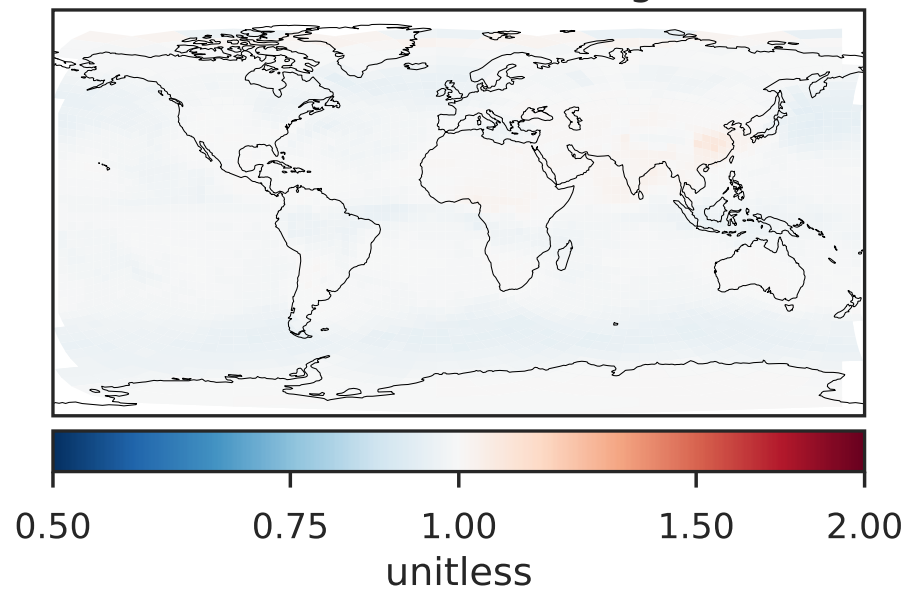
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

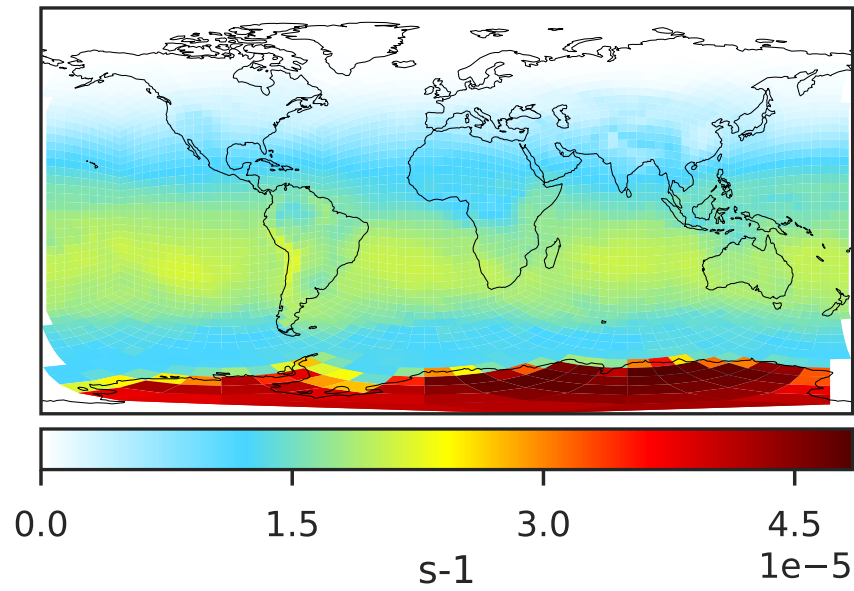


Ratio
Dev/Ref, Fixed Range

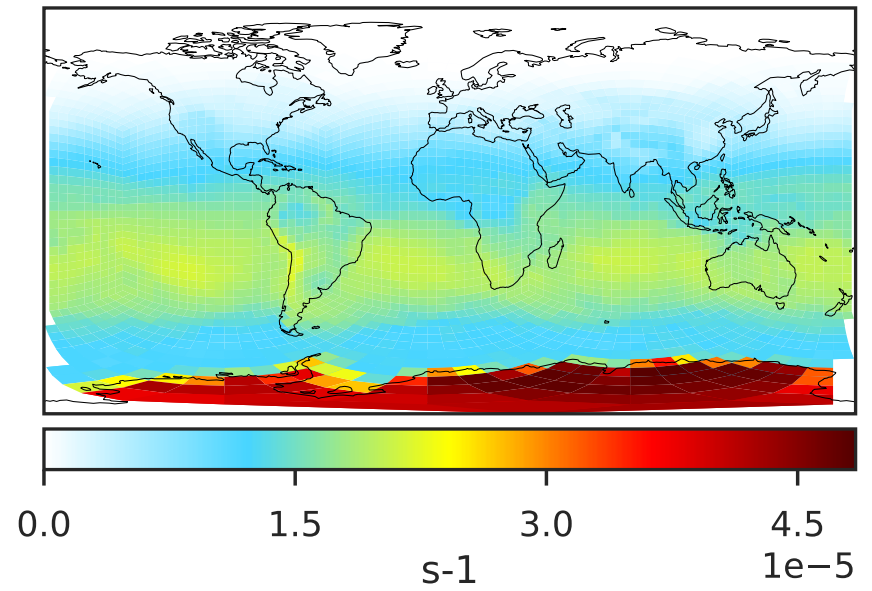


Jval_HPETHNL (Jan2019)

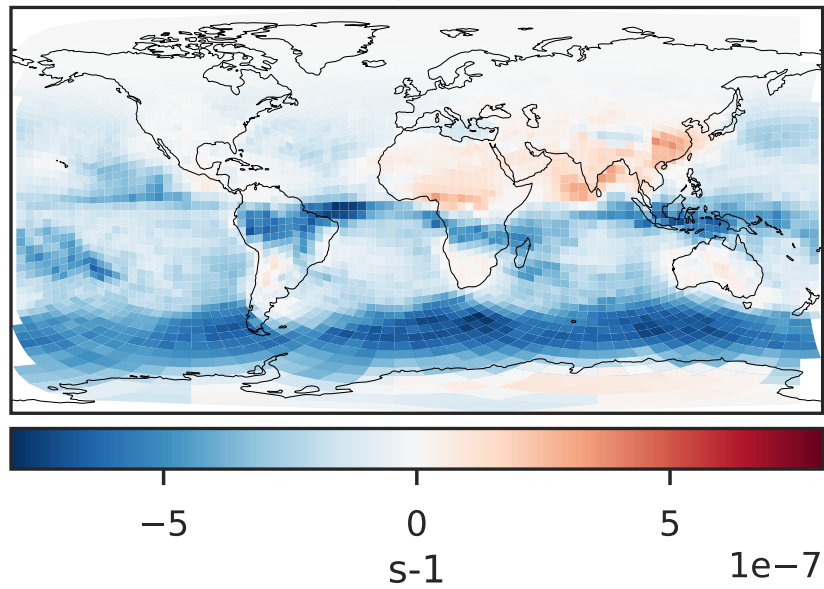
14.2.0-rc.2 (Ref)
c24



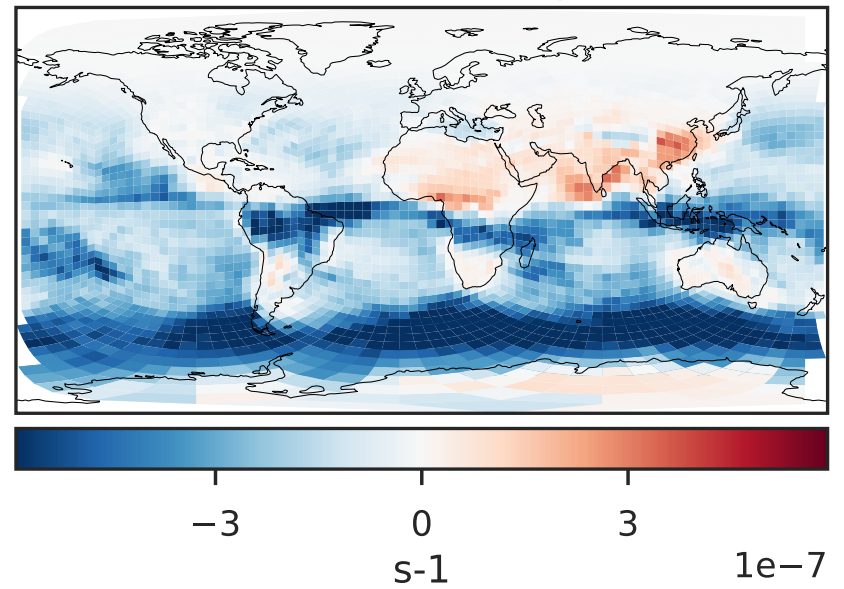
14.3.0-rc.0 (Dev)
c24



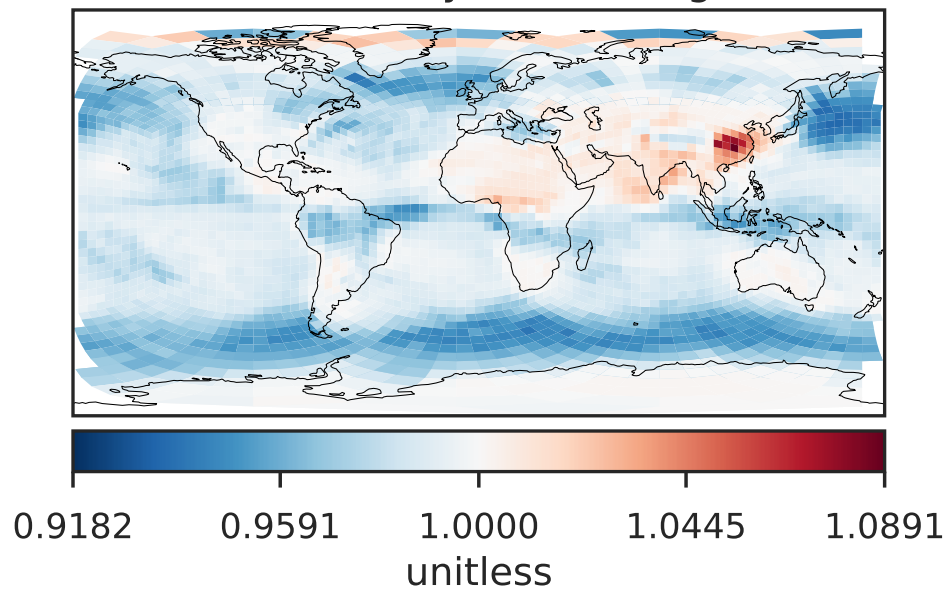
Difference
Dev - Ref, Dynamic Range



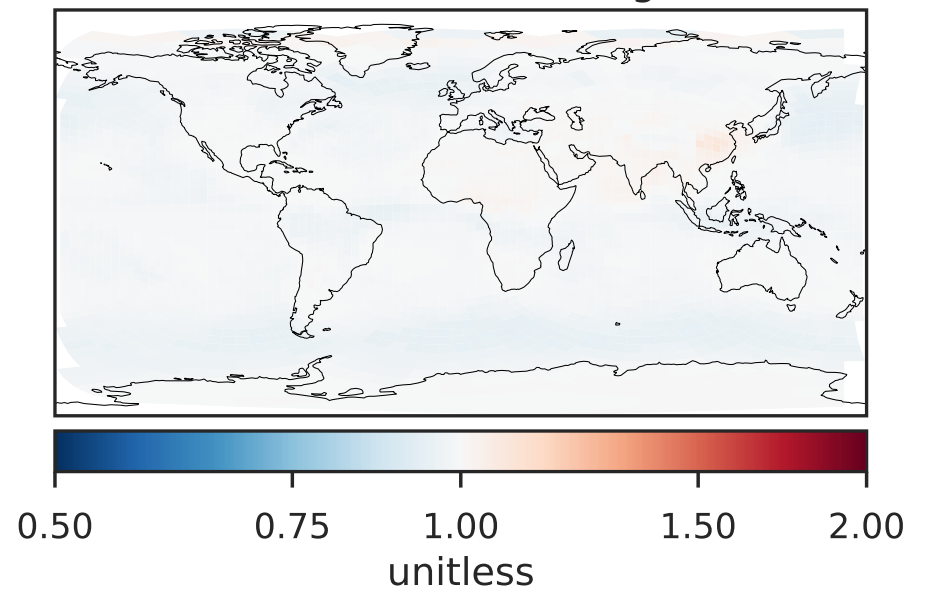
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

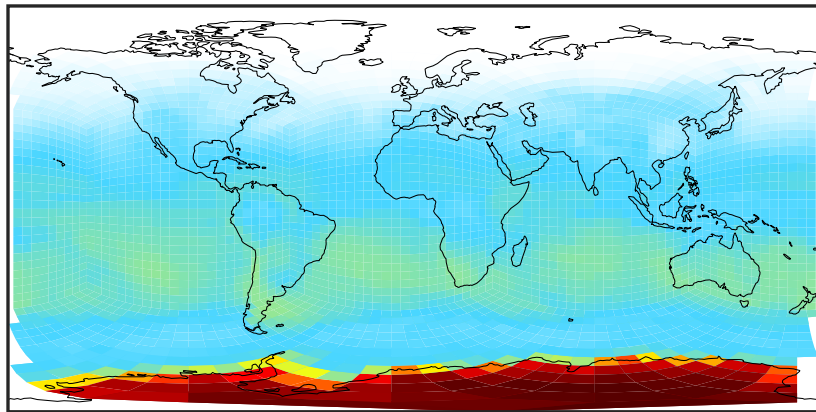


Ratio
Dev/Ref, Fixed Range



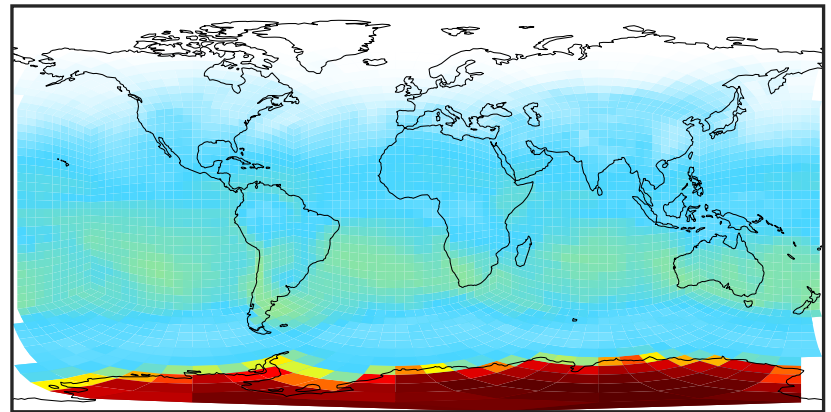
Jval_I2 (Jan2019)

14.2.0-rc.2 (Ref)
c24



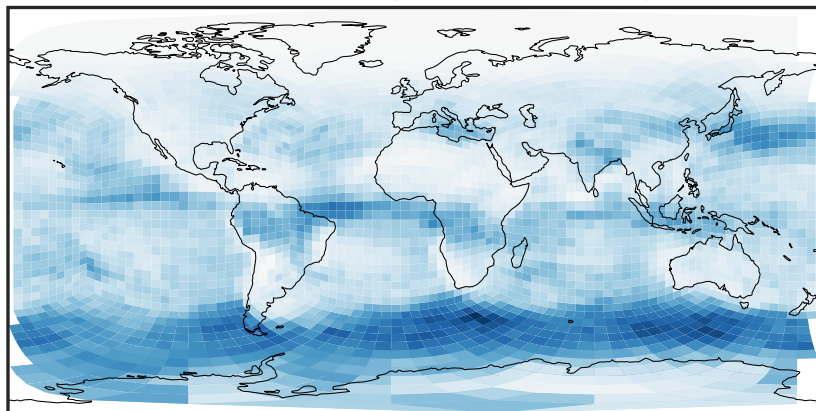
0.000 0.071 0.142 0.213 0.284
s-1

14.3.0-rc.0 (Dev)
c24



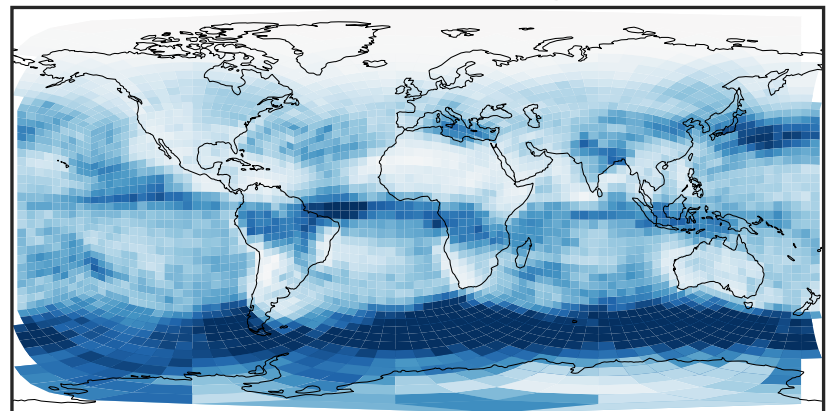
0.000 0.071 0.142 0.213 0.284
s-1

Difference
Dev - Ref, Dynamic Range



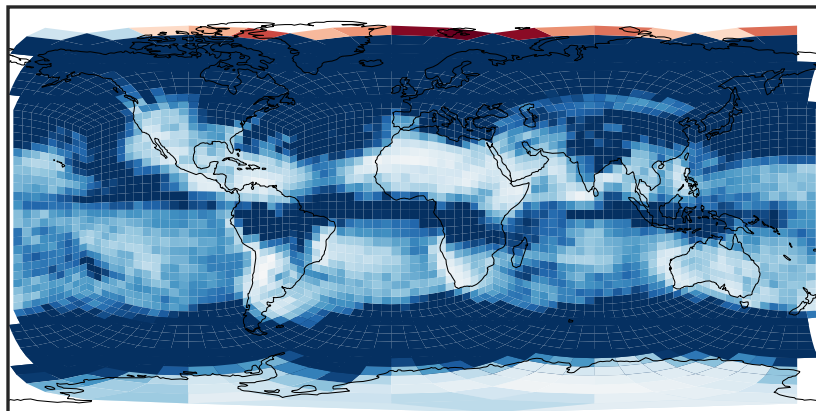
-0.004 0.000 0.004
s-1

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



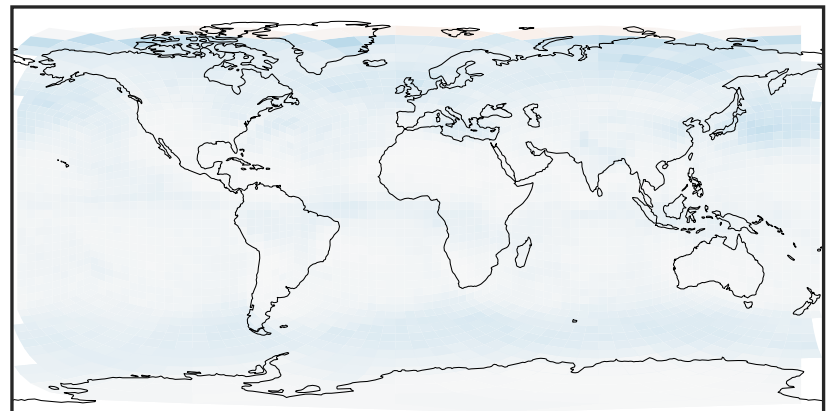
-0.0025 0.0000 0.0025
s-1

Ratio
Dev/Ref, Dynamic Range



0.95898 0.97949 1.00000 1.02139 1.04278
unitless

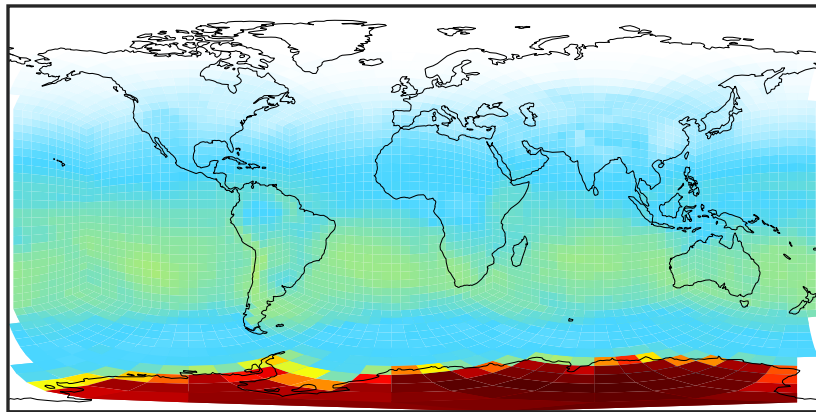
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

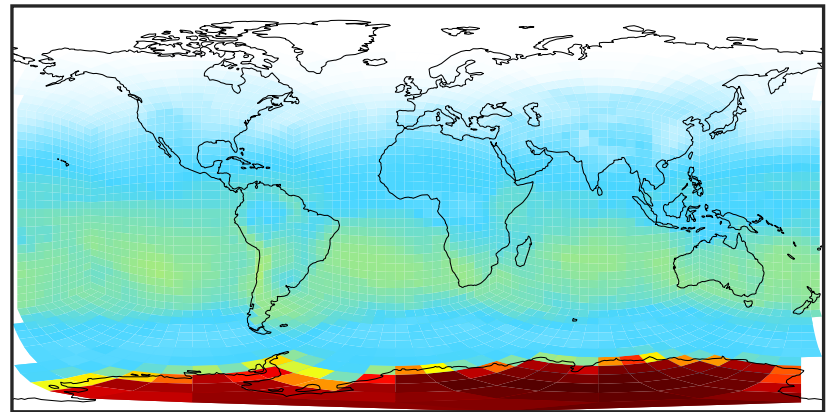
Jval_I2O2 (Jan2019)

14.2.0-rc.2 (Ref)
c24



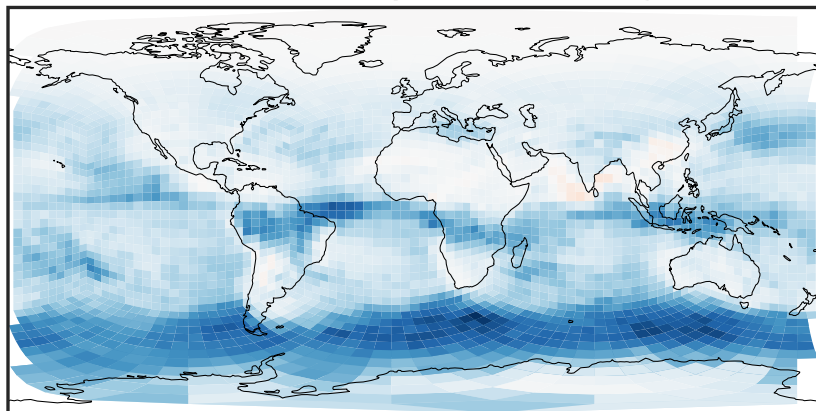
0.000 0.015 0.030 0.045
s-1

14.3.0-rc.0 (Dev)
c24



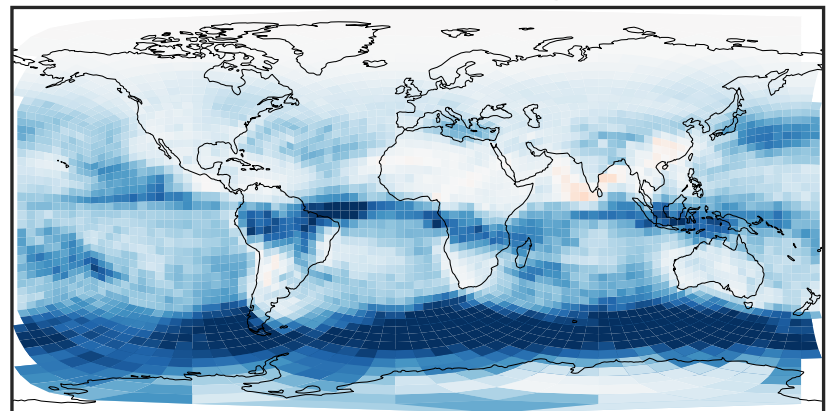
0.000 0.015 0.030 0.045
s-1

Difference
Dev - Ref, Dynamic Range



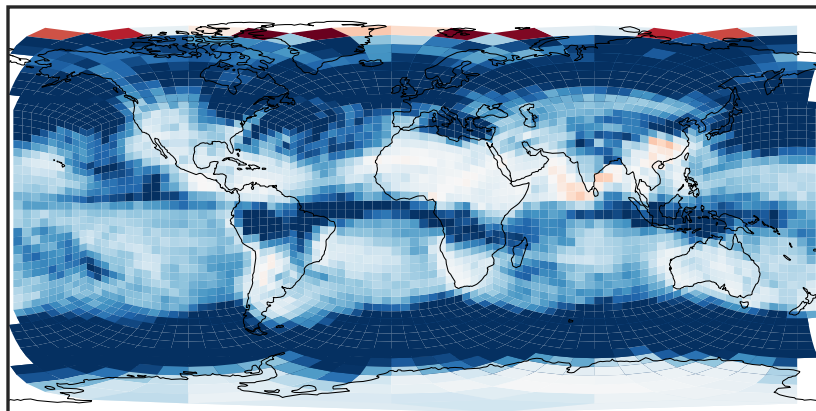
-0.0006 0.0000 0.0006
s-1

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



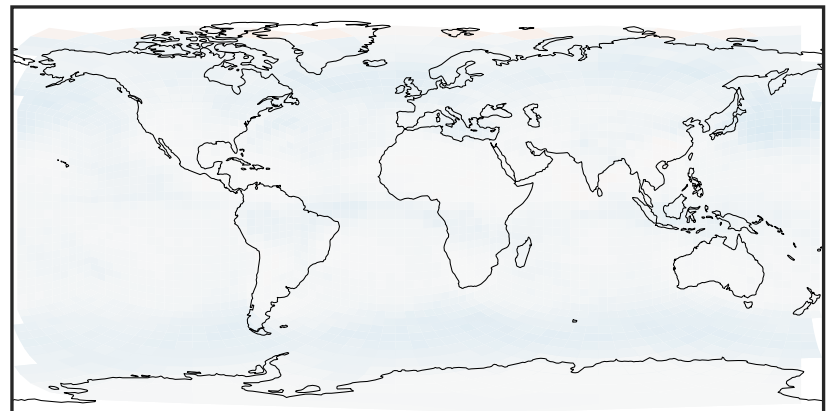
-0.0004 0.0000 0.0004
s-1

Ratio
Dev/Ref, Dynamic Range



0.96330 0.98165 1.00000 1.01905 1.03810
unitless

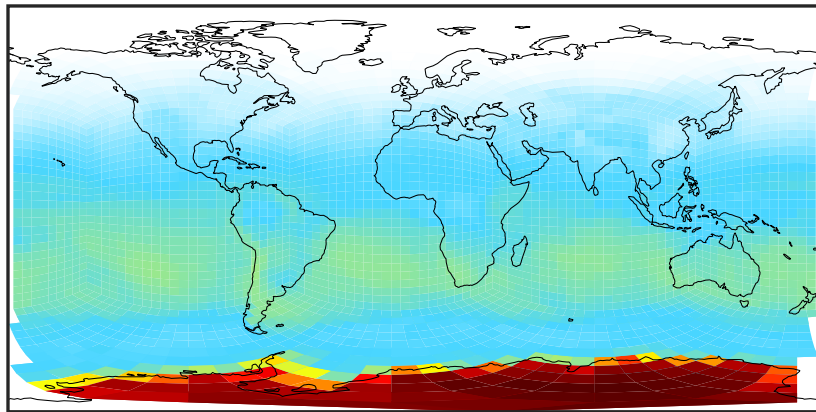
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

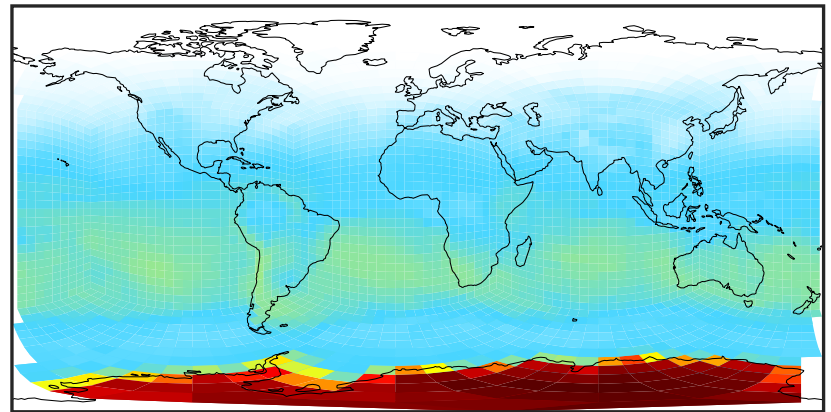
Jval_I2O3 (Jan2019)

14.2.0-rc.2 (Ref)
c24



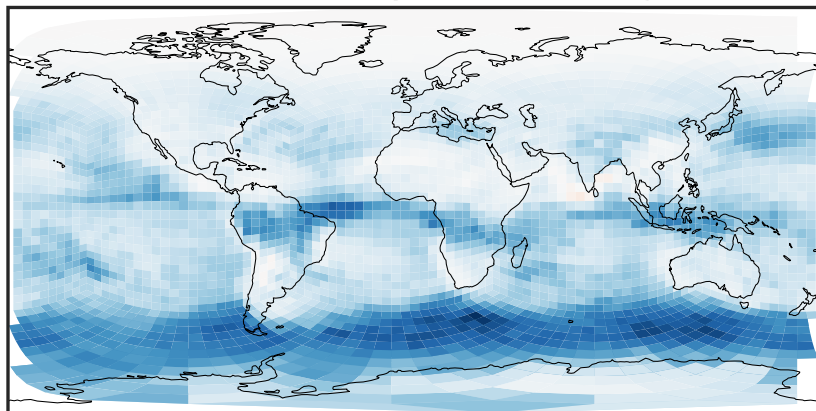
0.000 0.015 0.030 0.045
s-1

14.3.0-rc.0 (Dev)
c24



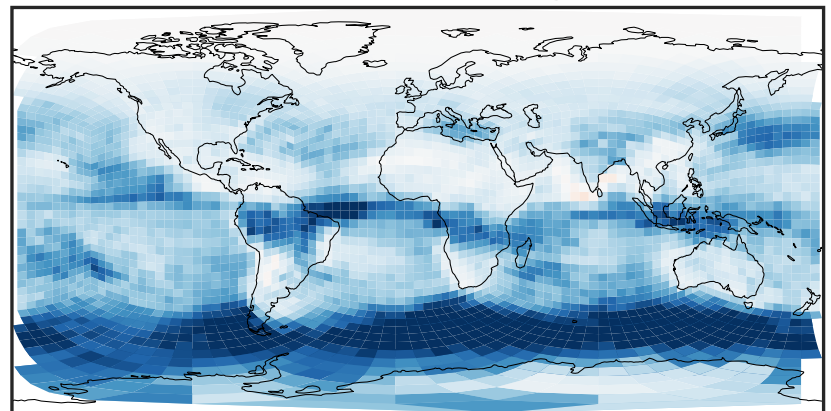
0.000 0.015 0.030 0.045
s-1

Difference
Dev - Ref, Dynamic Range



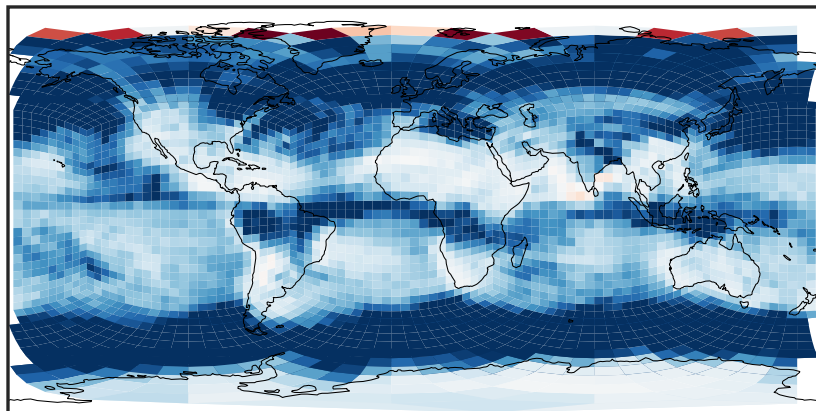
-0.0005 0.0000 0.0005
s-1

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



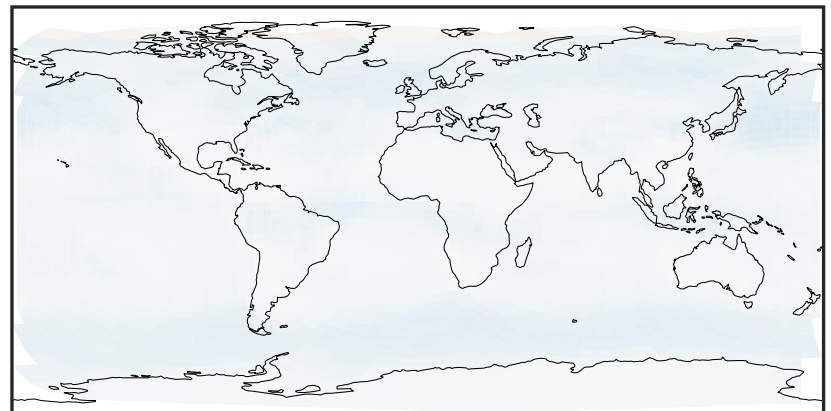
-0.0004 0.0000 0.0004
s-1

Ratio
Dev/Ref, Dynamic Range



0.95912 0.97956 1.00000 1.02131 1.04262
unitless

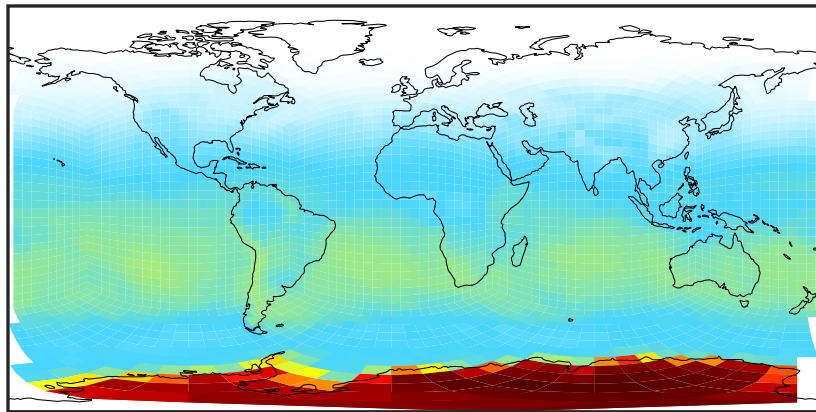
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

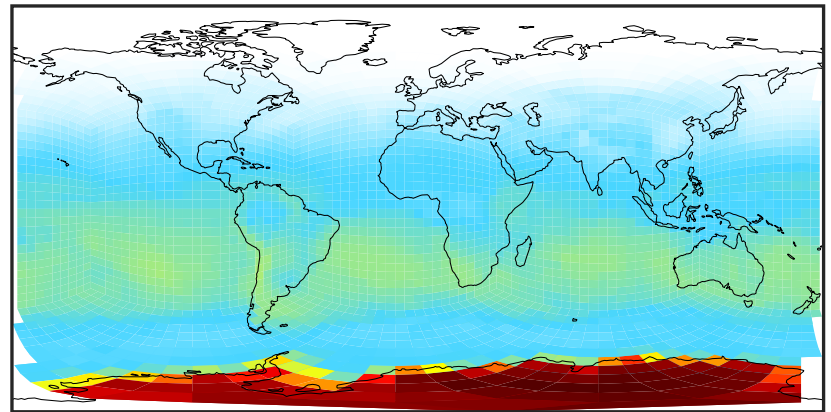
Jval_I2O4 (Jan2019)

14.2.0-rc.2 (Ref)
c24



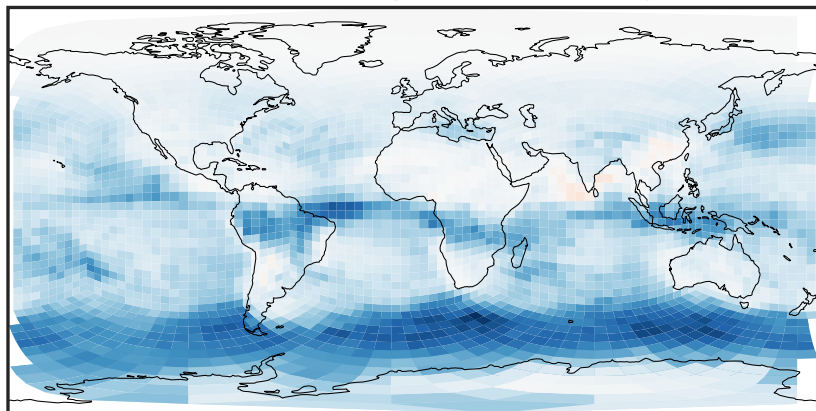
0.000 0.015 0.030 0.045
s-1

14.3.0-rc.0 (Dev)
c24



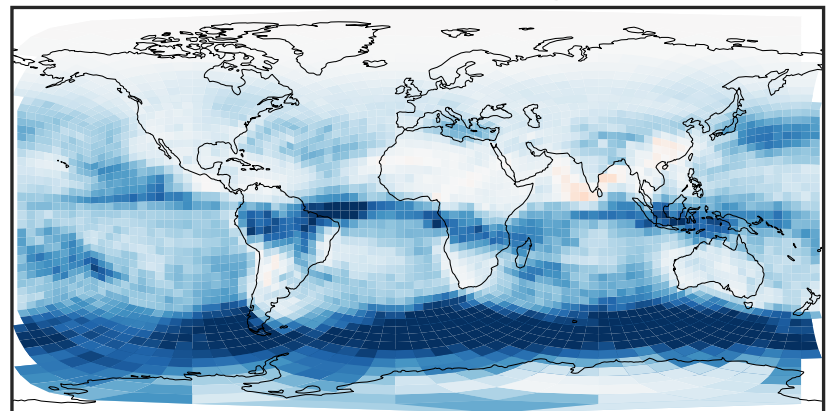
0.000 0.015 0.030 0.045
s-1

Difference
Dev - Ref, Dynamic Range



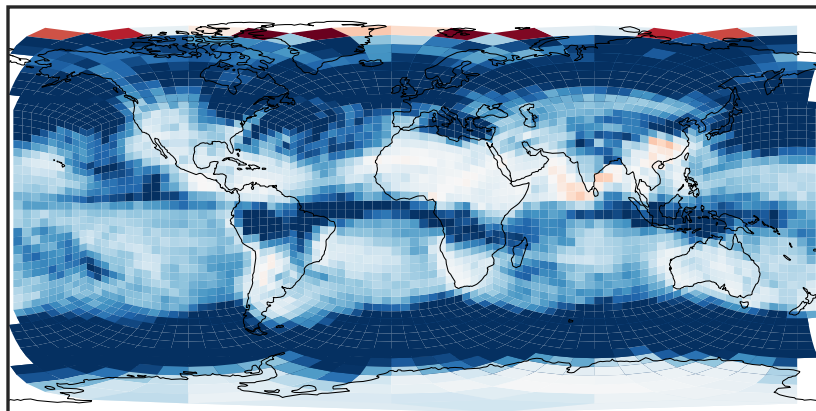
-0.0006 0.0000 0.0006
s-1

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



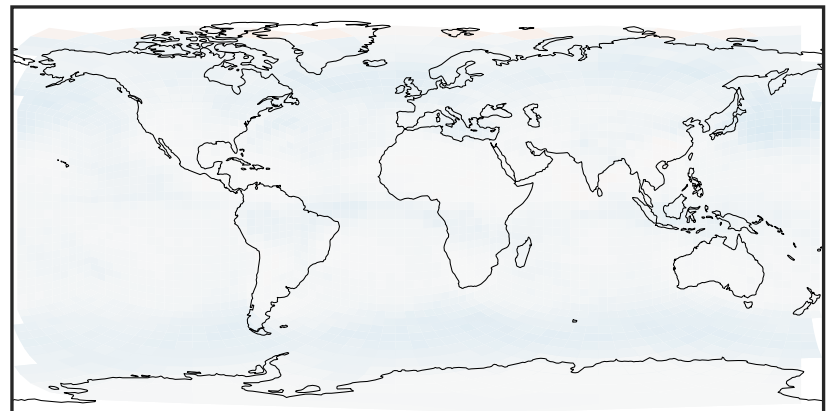
-0.0004 0.0000 0.0004
s-1

Ratio
Dev/Ref, Dynamic Range



0.96330 0.98165 1.00000 1.01905 1.03810
unitless

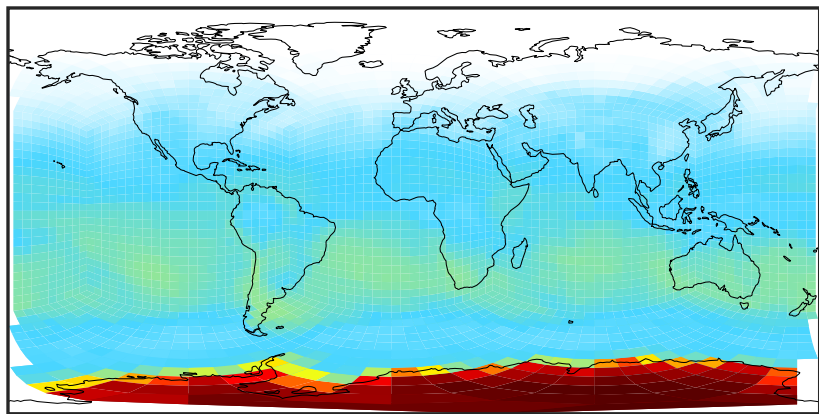
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

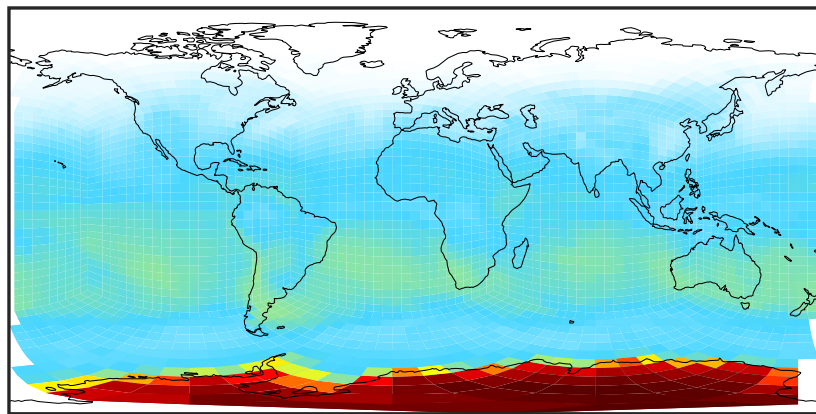
Jval_IBr (Jan2019)

14.2.0-rc.2 (Ref)
c24



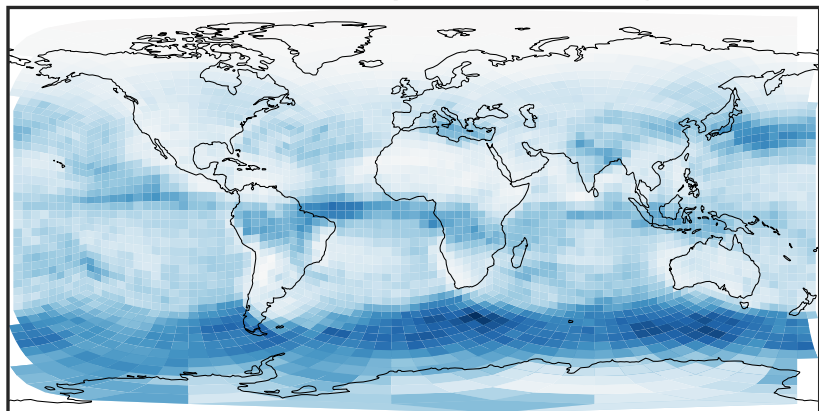
0.0000 0.0297 0.0593 0.0890 0.1186
s-1

14.3.0-rc.0 (Dev)
c24



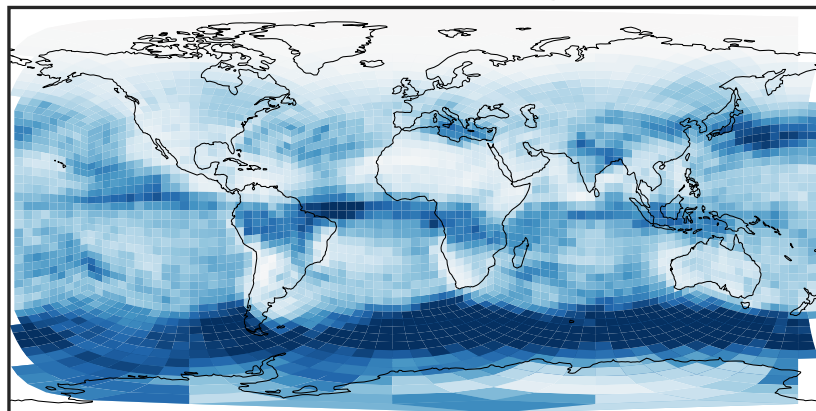
0.0000 0.0297 0.0593 0.0890 0.1186
s-1

Difference
Dev - Ref, Dynamic Range



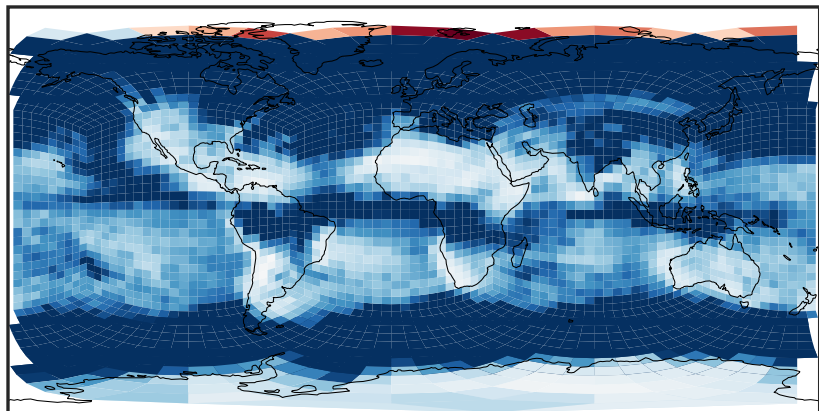
-0.0015 0.0000 0.0015
s-1

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



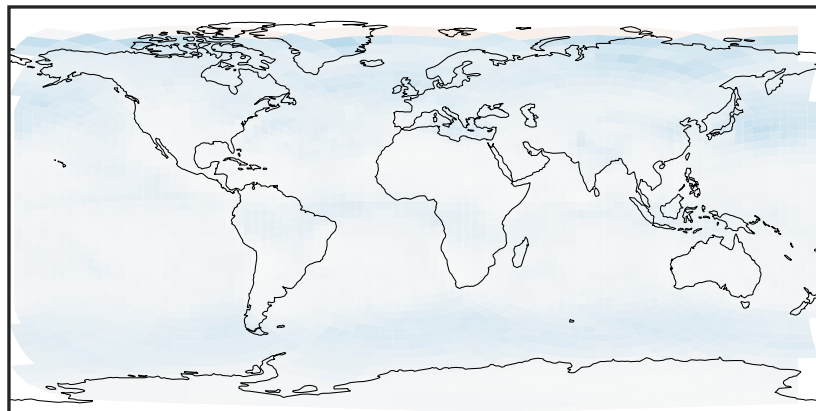
-0.001 0.000 0.001
s-1

Ratio
Dev/Ref, Dynamic Range



0.95885 0.97943 1.00000 1.02146 1.04291
unitless

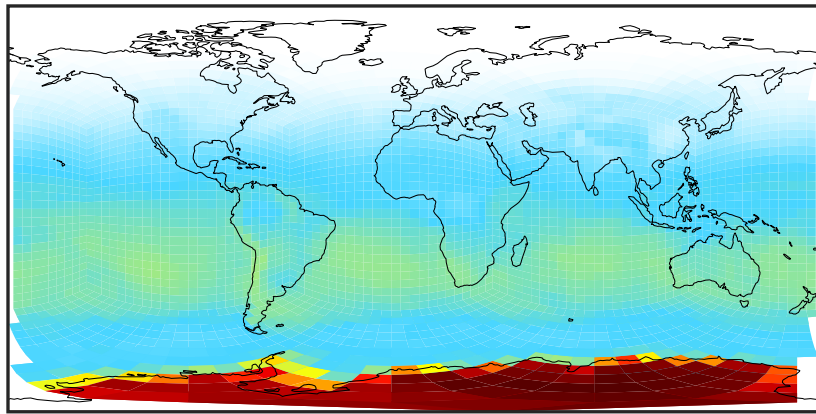
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

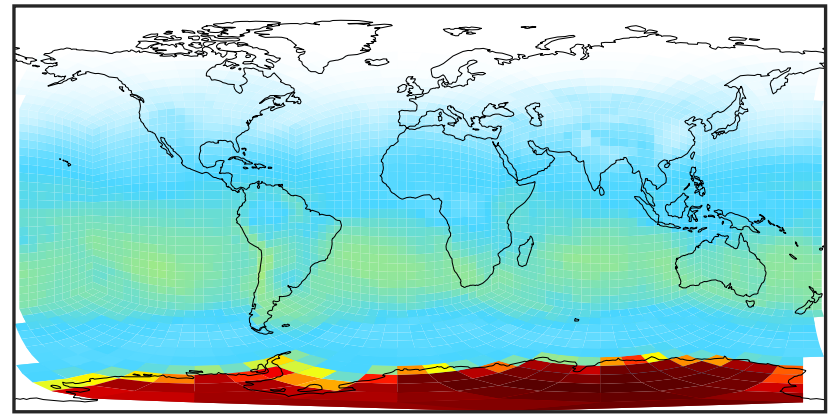
Jval_ICN (Jan2019)

14.2.0-rc.2 (Ref)
c24



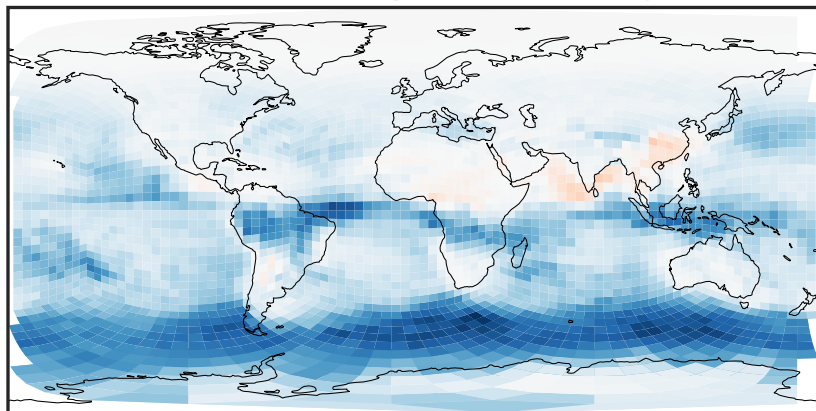
0.0000 0.0001 0.0002 0.0003
s-1

14.3.0-rc.0 (Dev)
c24



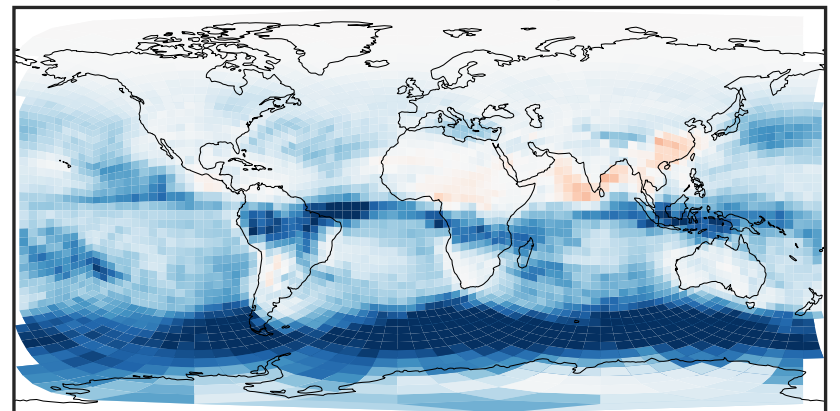
0.0000 0.0001 0.0002 0.0003
s-1

Difference
Dev - Ref, Dynamic Range



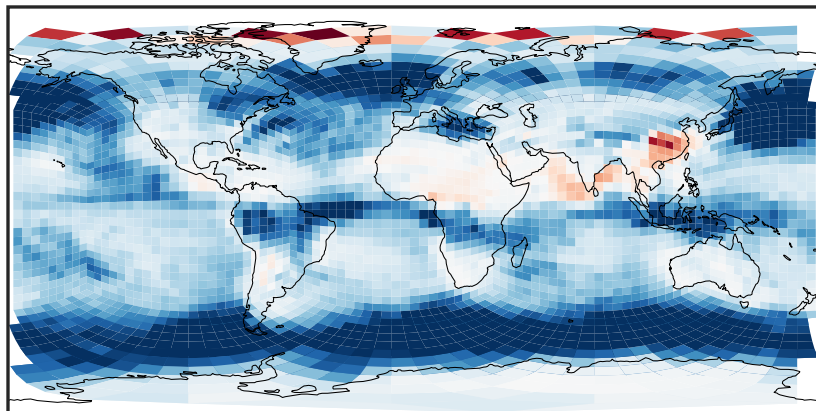
-3 0 3
s-1 1e-6

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



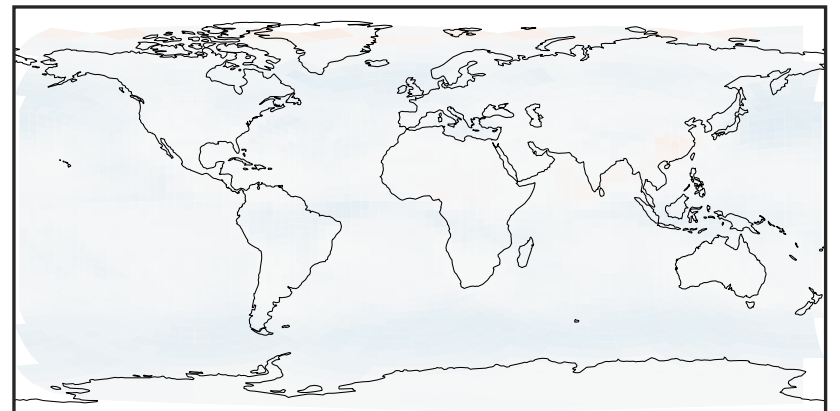
-2.5 0.0 2.5
s-1 1e-6

Ratio
Dev/Ref, Dynamic Range



0.95690 0.97845 1.00000 1.02252 1.04504
unitless

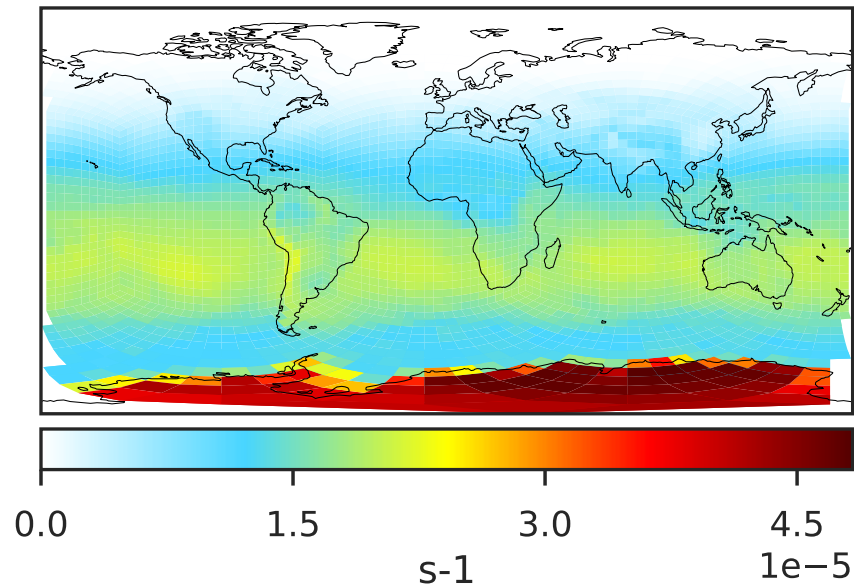
Ratio
Dev/Ref, Fixed Range



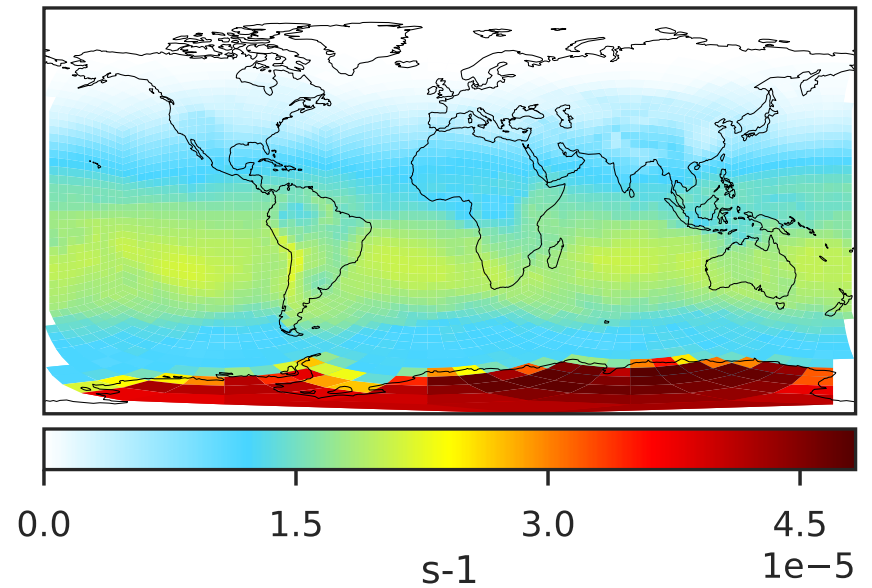
0.50 0.75 1.00 1.50 2.00
unitless

Jval_ICPDH (Jan2019)

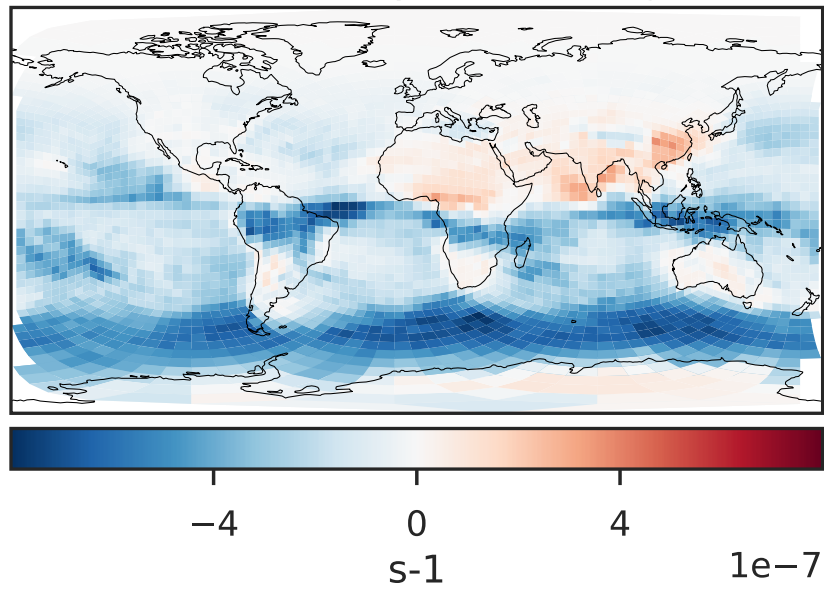
14.2.0-rc.2 (Ref)
c24



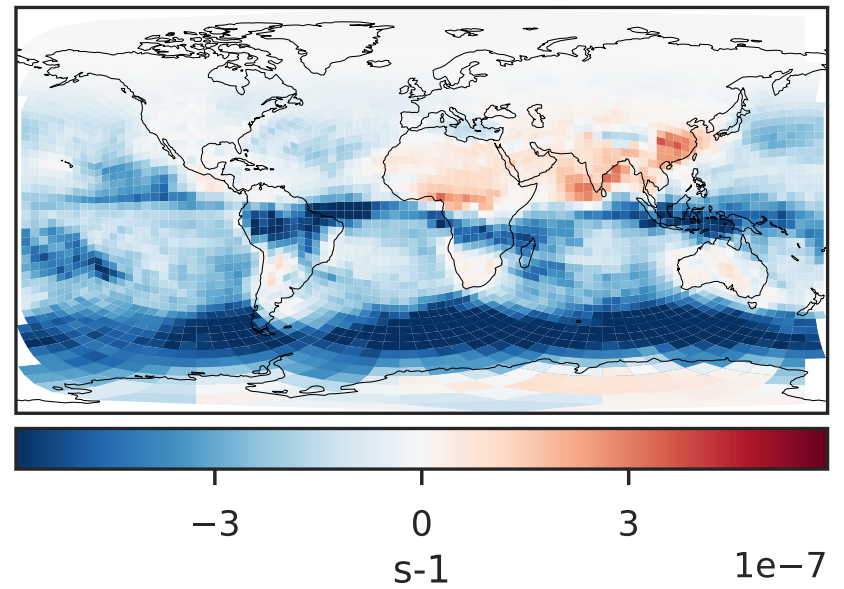
14.3.0-rc.0 (Dev)
c24



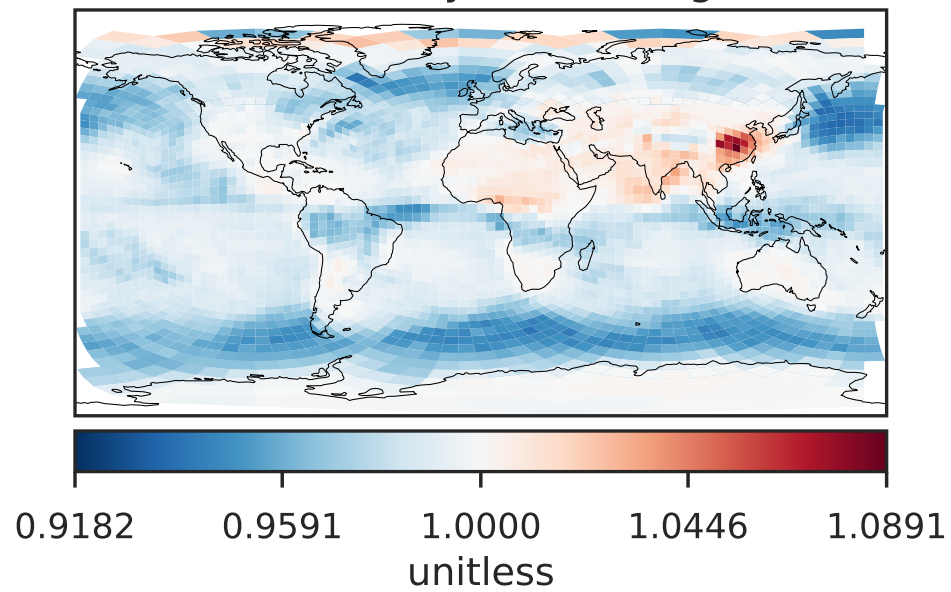
Difference
Dev - Ref, Dynamic Range



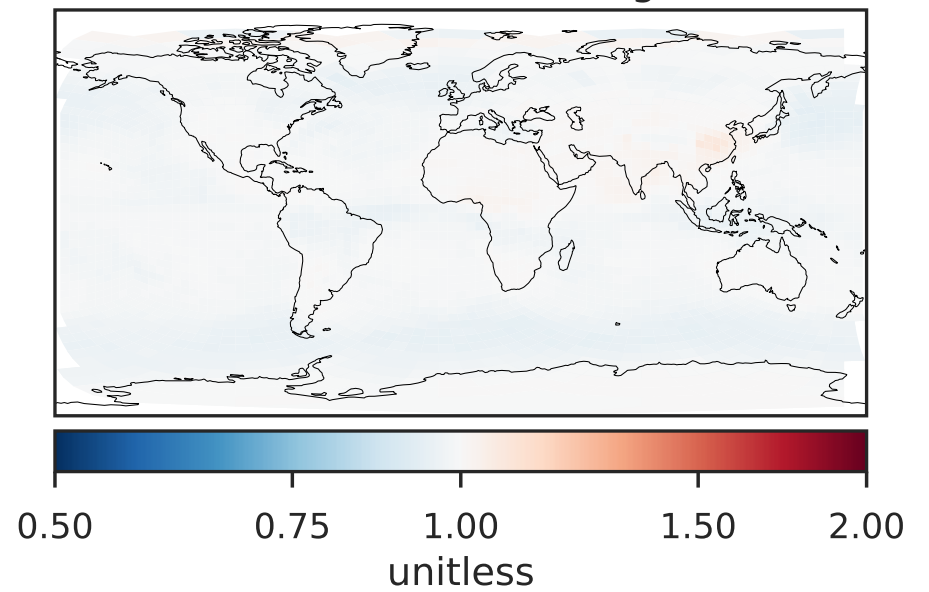
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

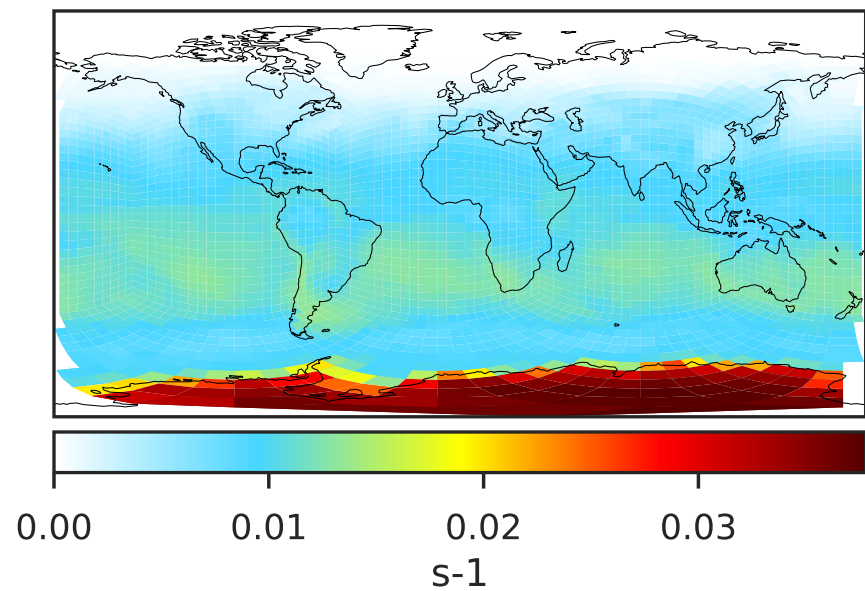


Ratio
Dev/Ref, Fixed Range

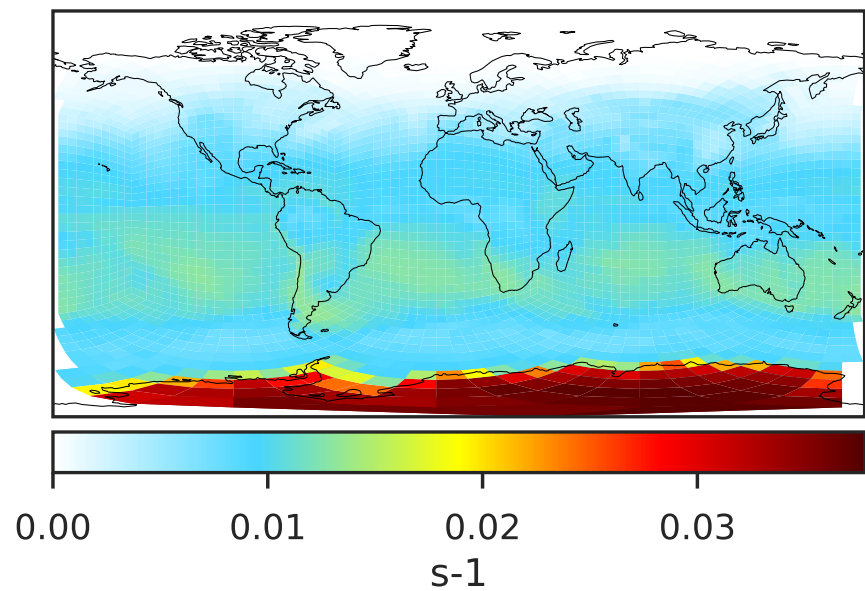


Jval_ICI (Jan2019)

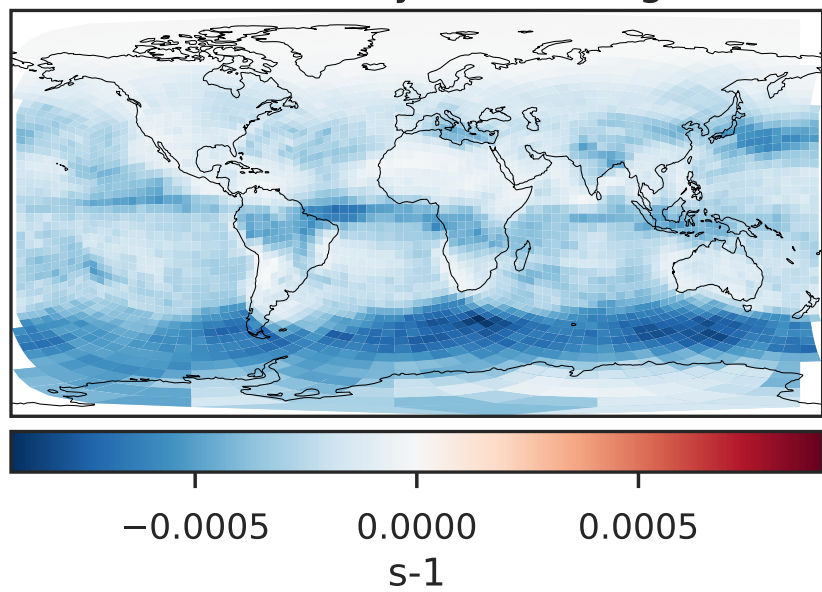
14.2.0-rc.2 (Ref)
c24



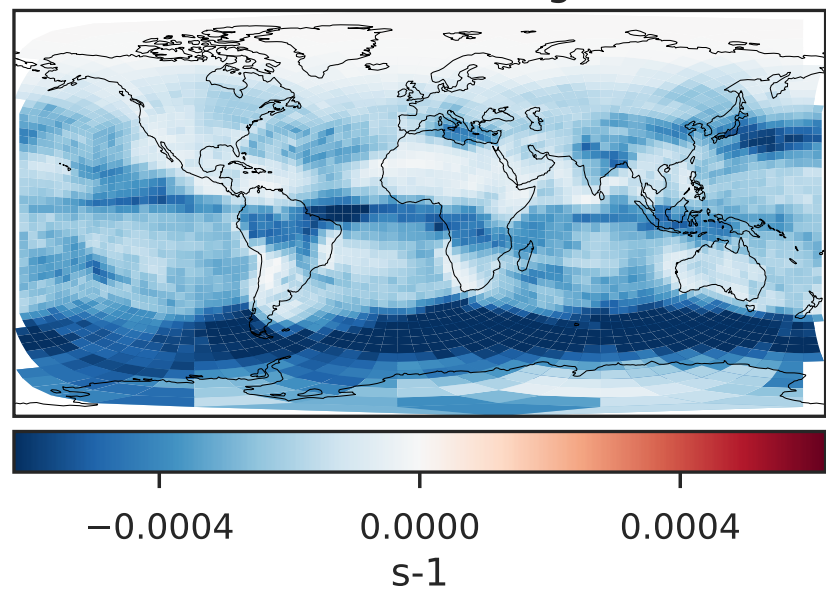
14.3.0-rc.0 (Dev)
c24



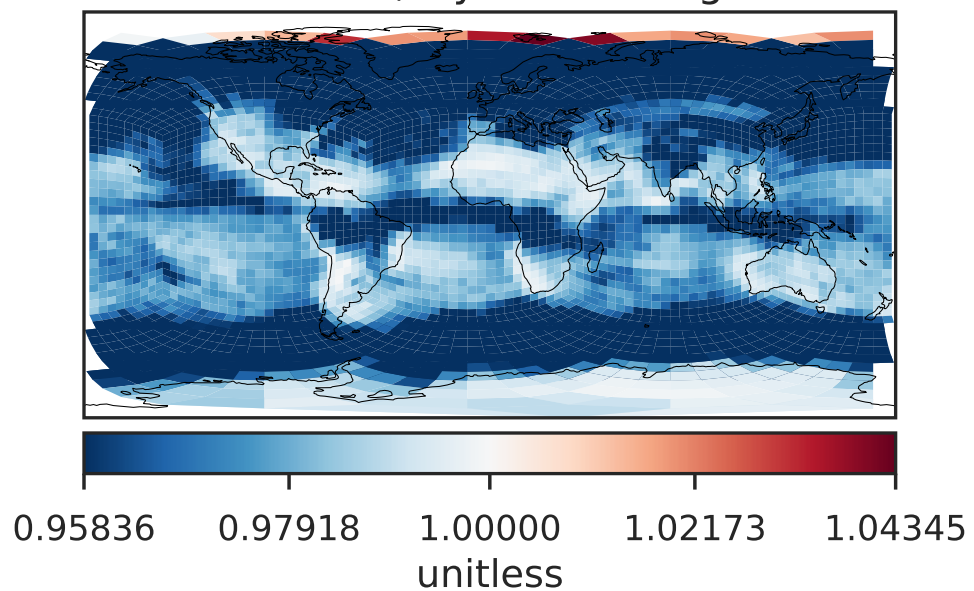
Difference
Dev - Ref, Dynamic Range



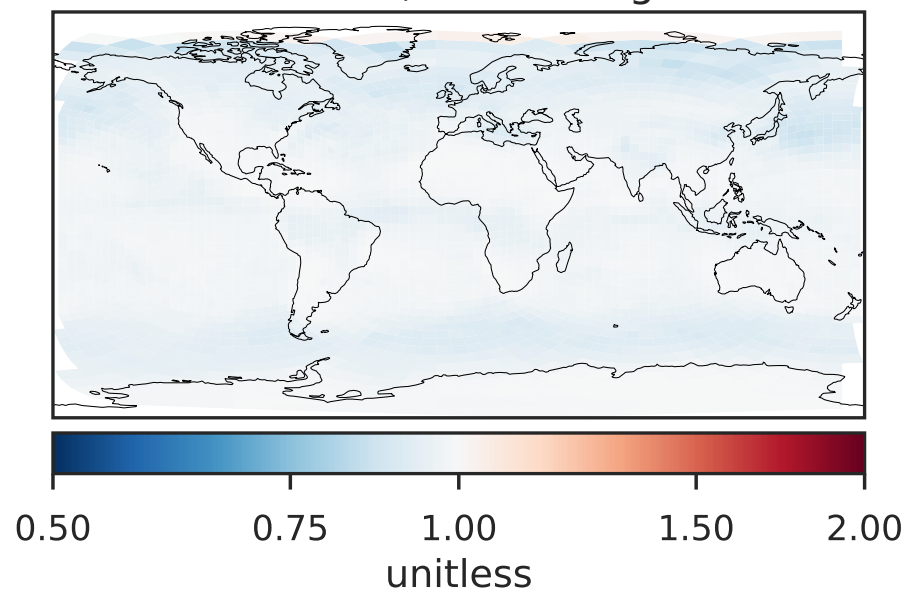
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

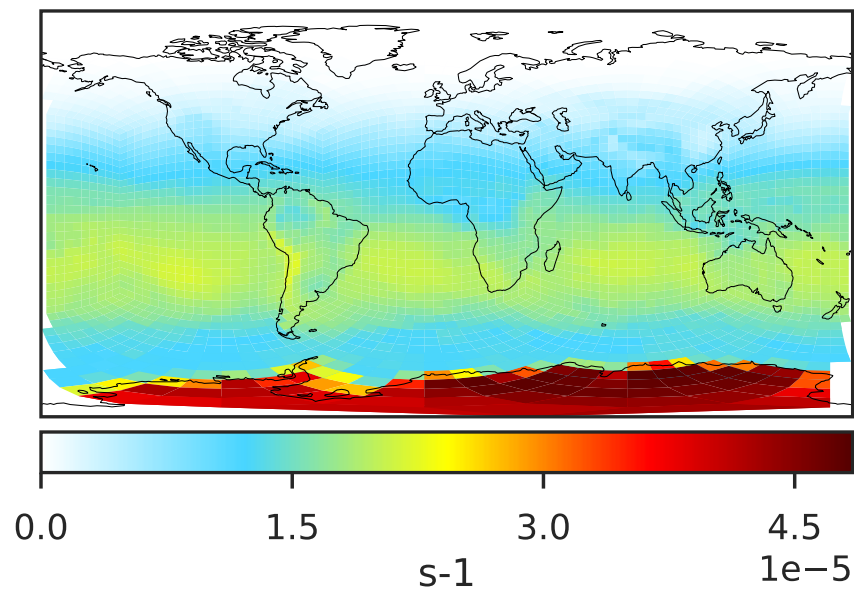


Ratio
Dev/Ref, Fixed Range

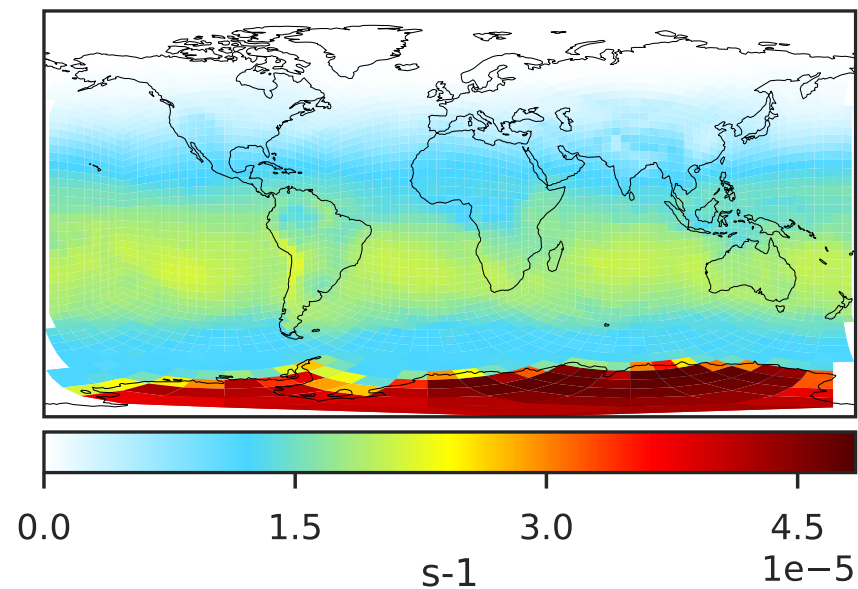


Jval_IDCHP (Jan2019)

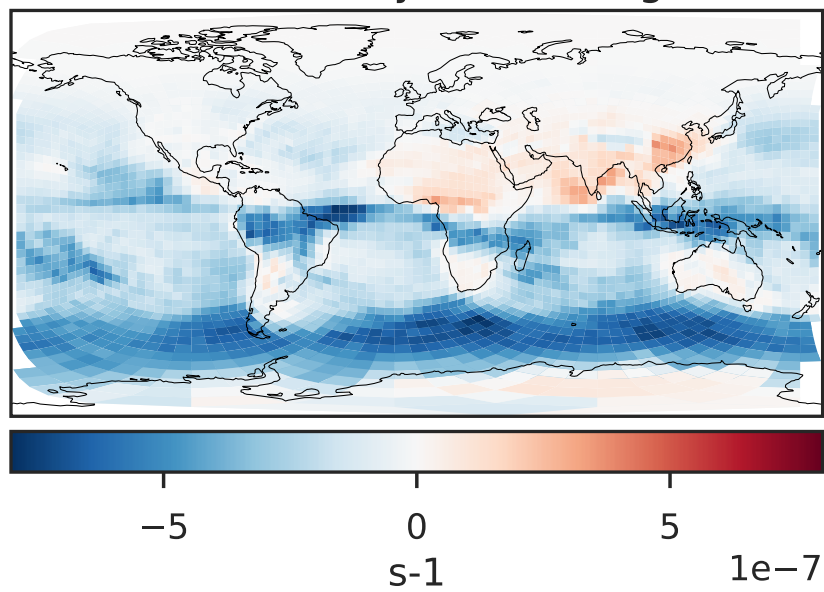
14.2.0-rc.2 (Ref)
c24



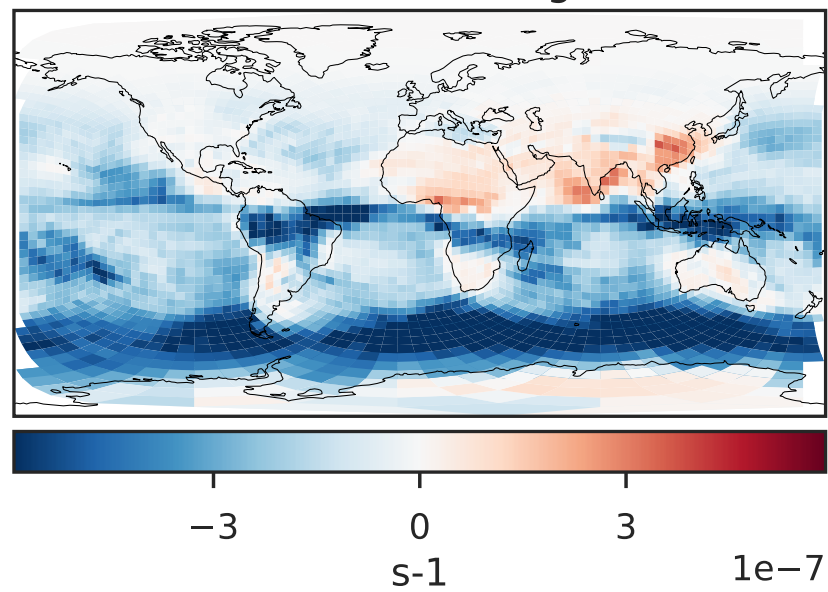
14.3.0-rc.0 (Dev)
c24



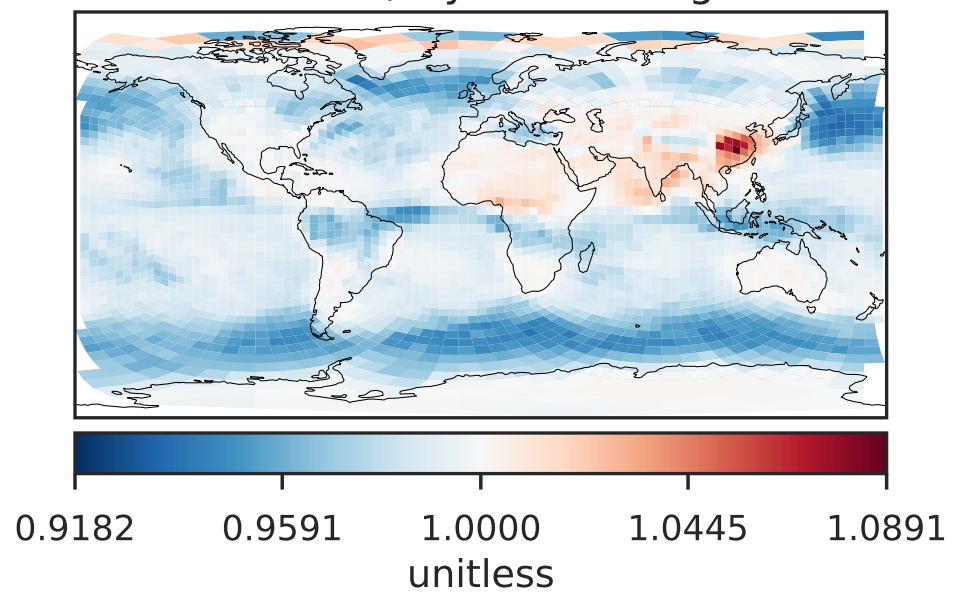
Difference
Dev - Ref, Dynamic Range



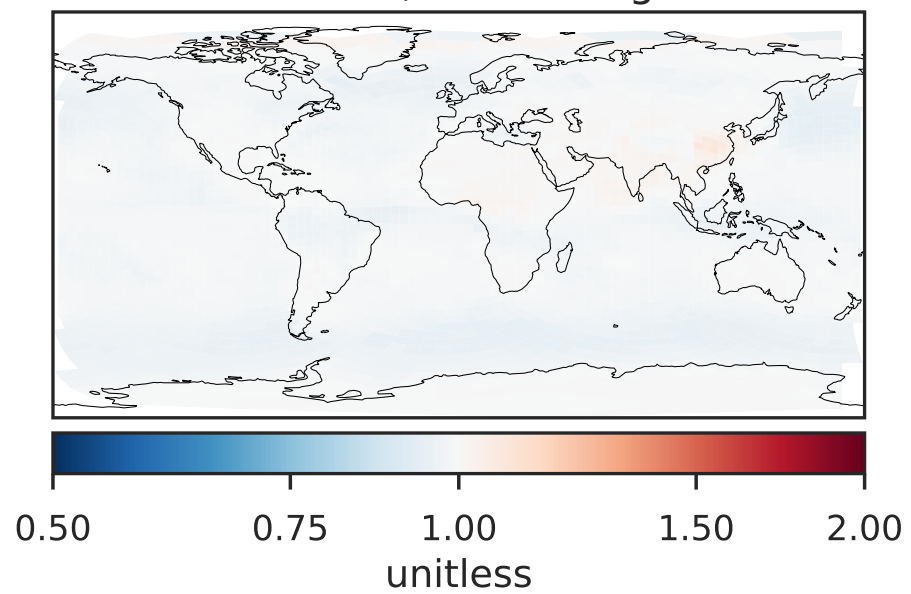
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

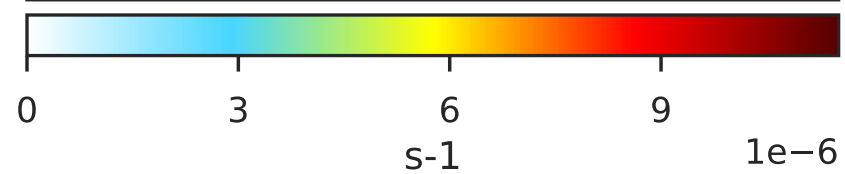
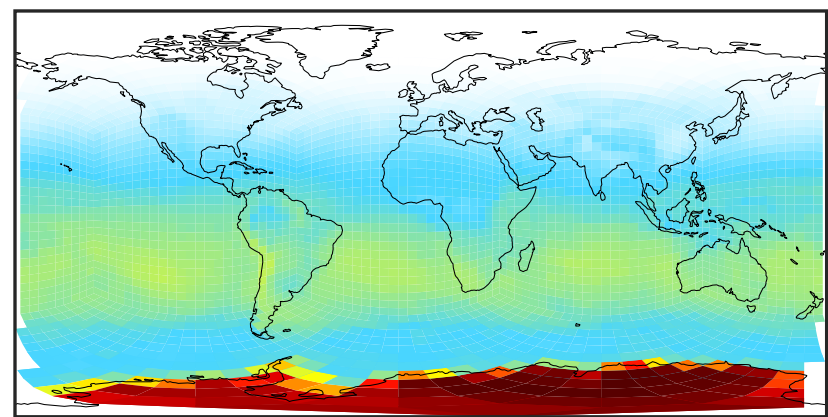


Ratio
Dev/Ref, Fixed Range

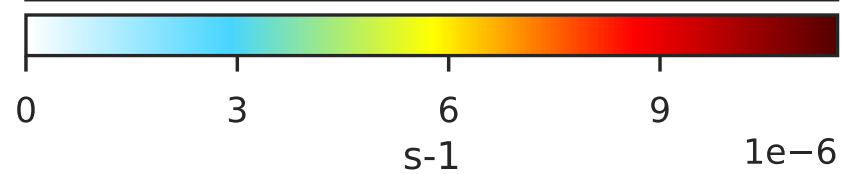
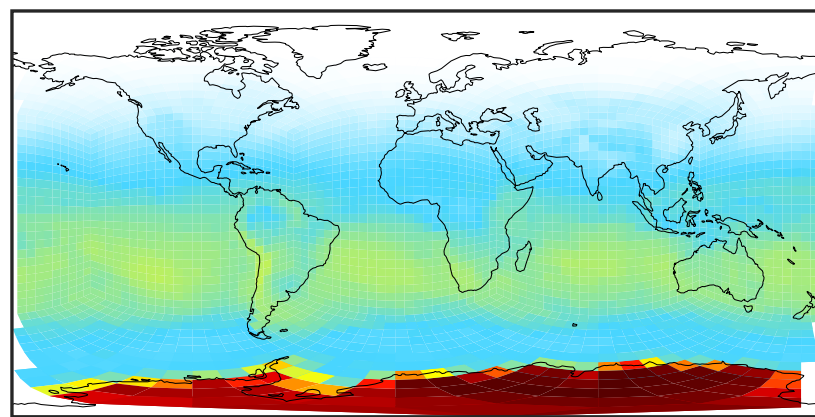


Jval_IDHDP (Jan2019)

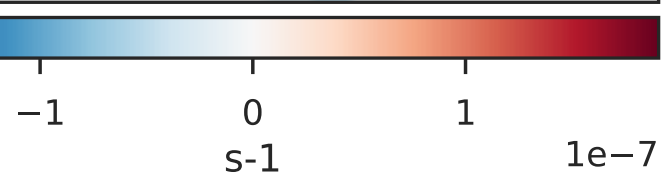
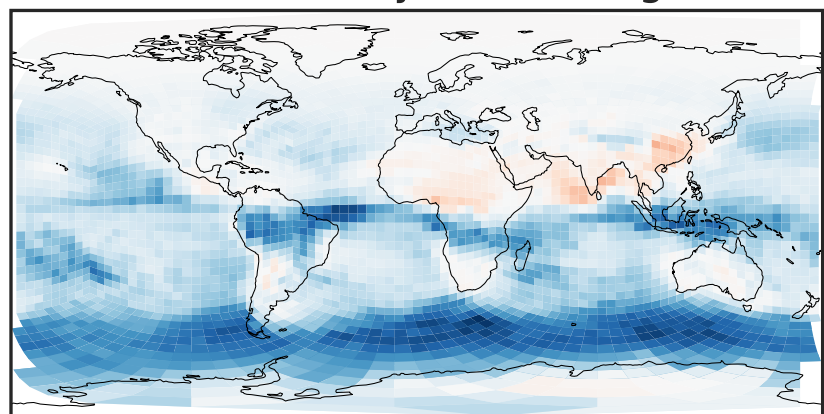
14.2.0-rc.2 (Ref)
c24



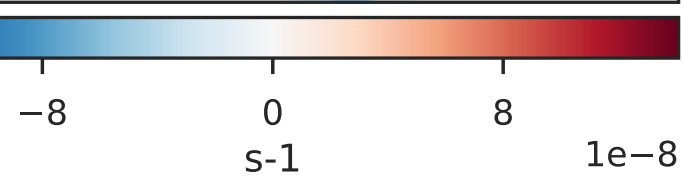
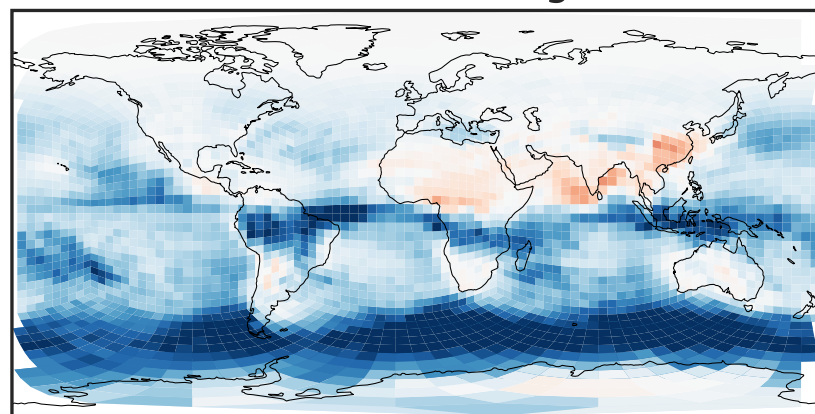
14.3.0-rc.0 (Dev)
c24



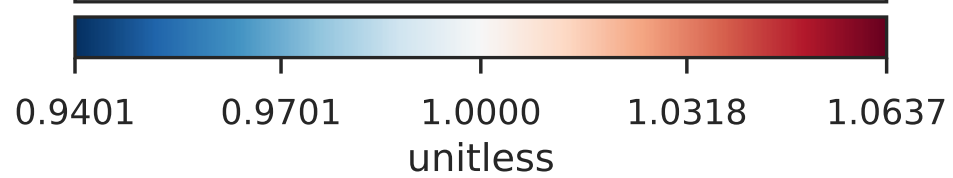
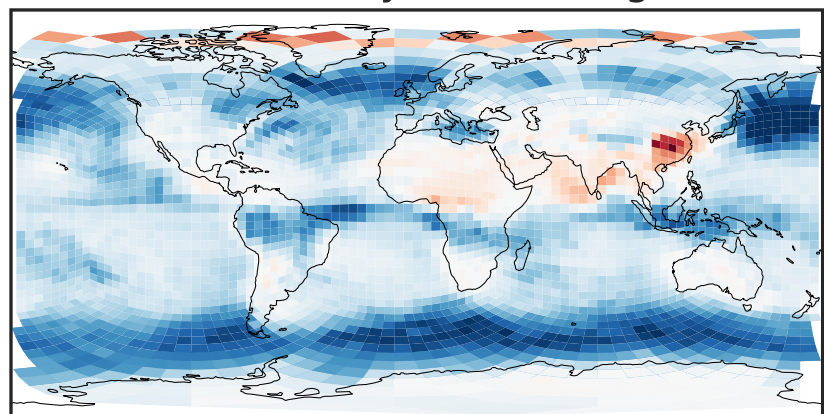
Difference
Dev - Ref, Dynamic Range



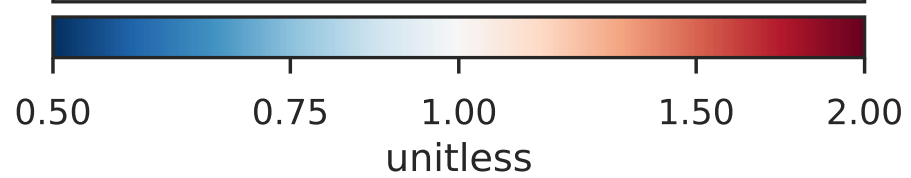
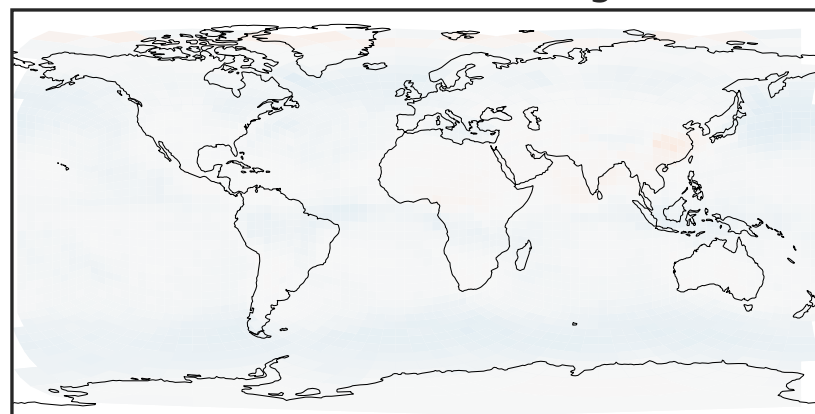
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

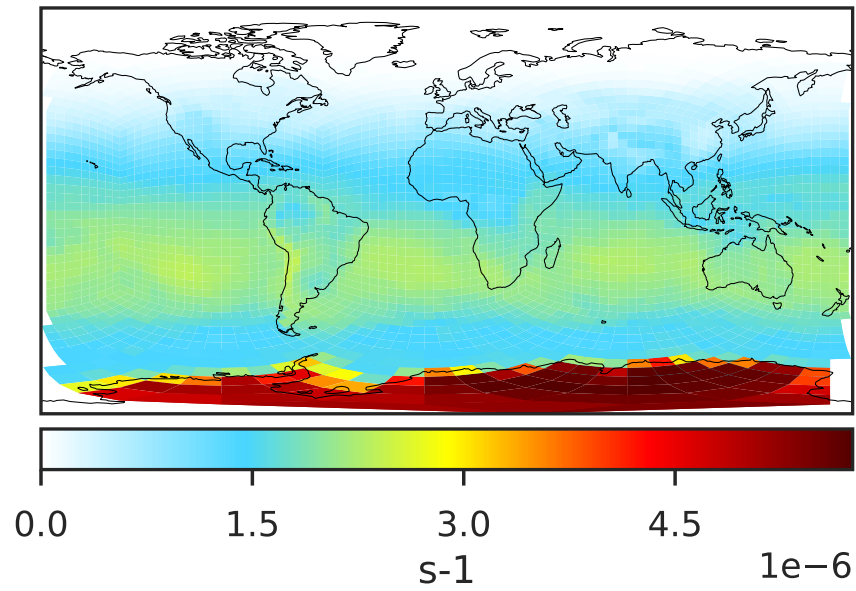


Ratio
Dev/Ref, Fixed Range

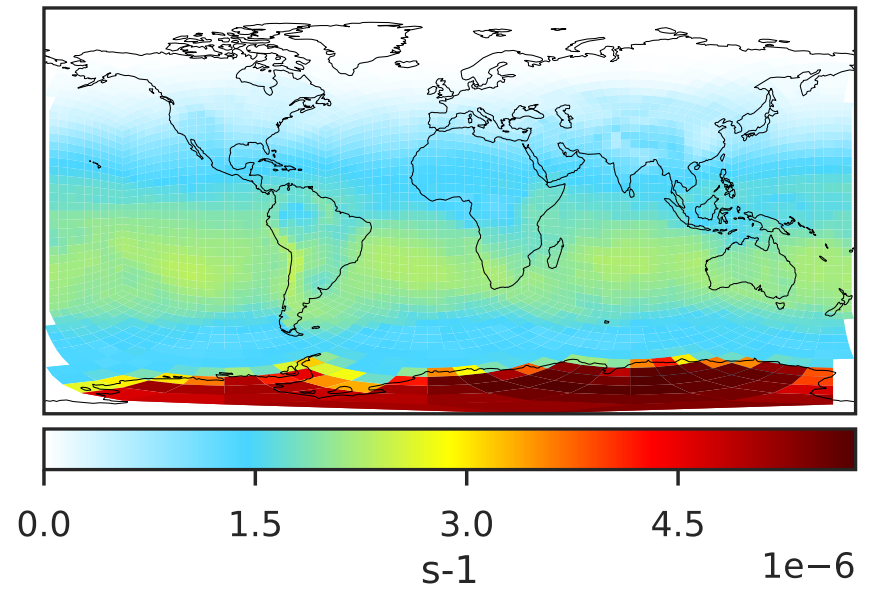


Jval_IDHPE (Jan2019)

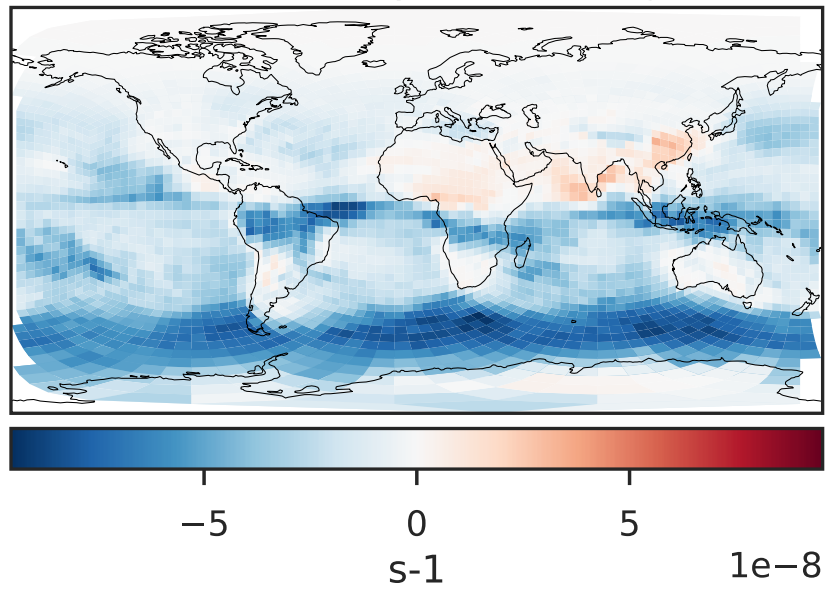
14.2.0-rc.2 (Ref)
c24



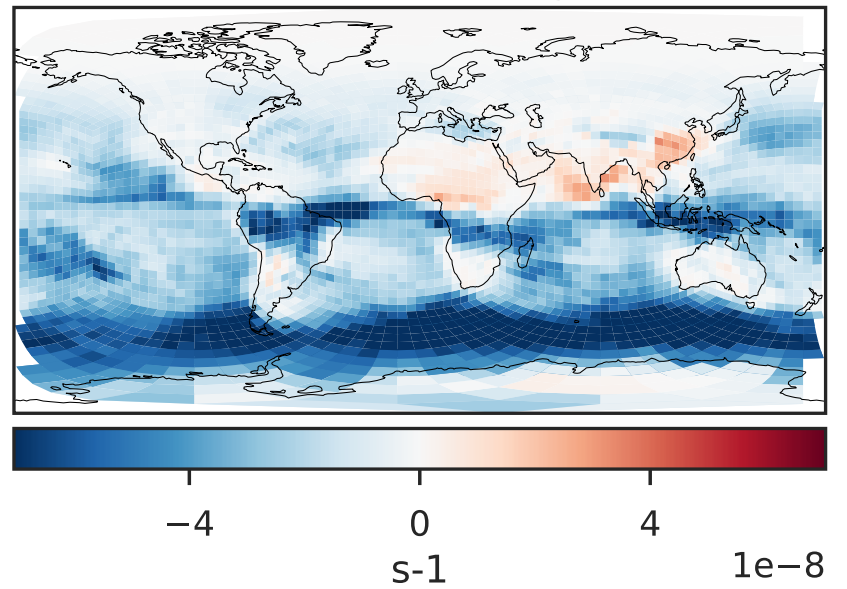
14.3.0-rc.0 (Dev)
c24



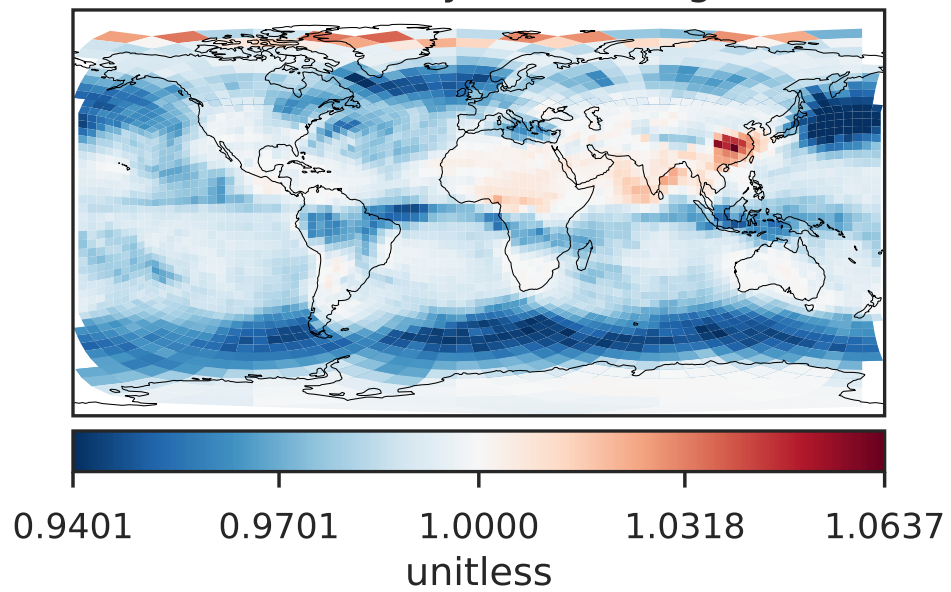
Difference
Dev - Ref, Dynamic Range



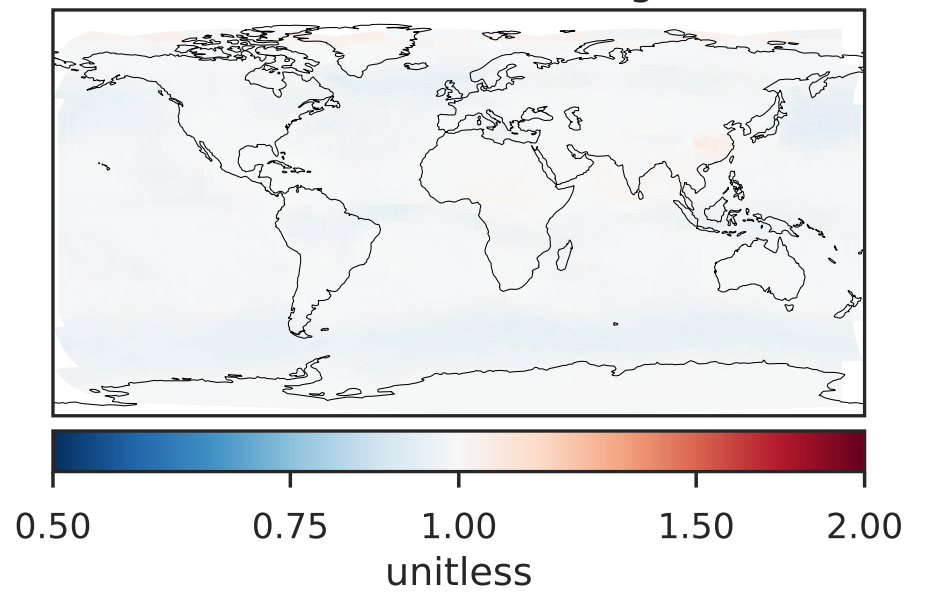
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

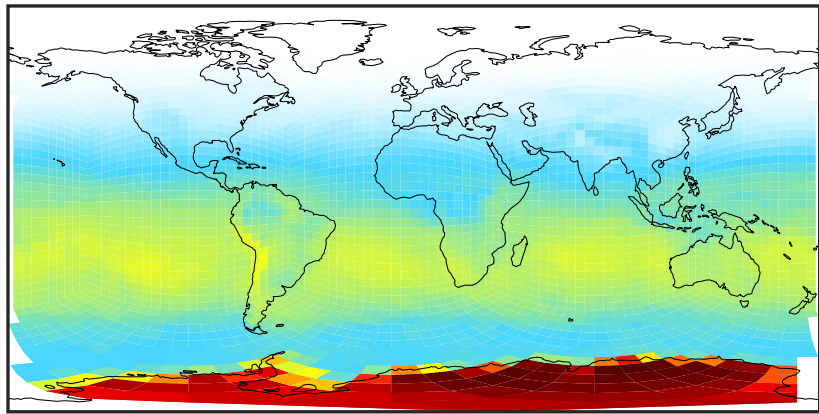


Ratio
Dev/Ref, Fixed Range



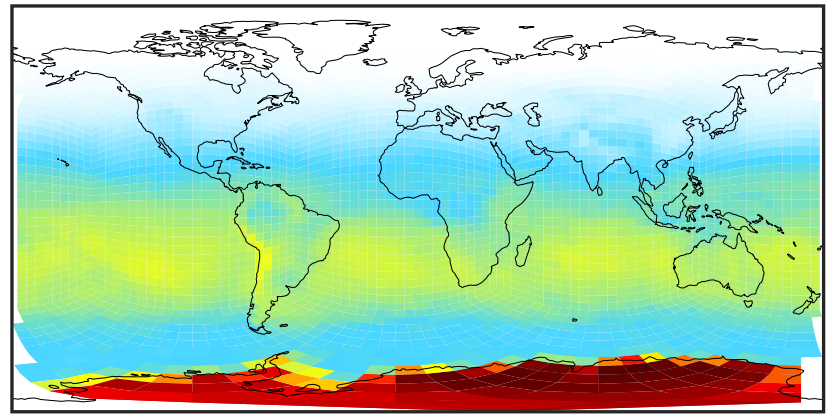
Jval_IDN (Jan2019)

14.2.0-rc.2 (Ref)
c24



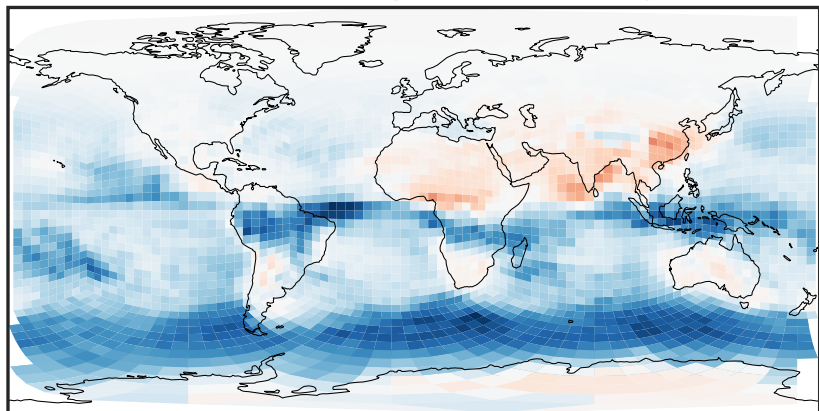
0.0 1.5 3.0 $1e-6$
s-1

14.3.0-rc.0 (Dev)
c24



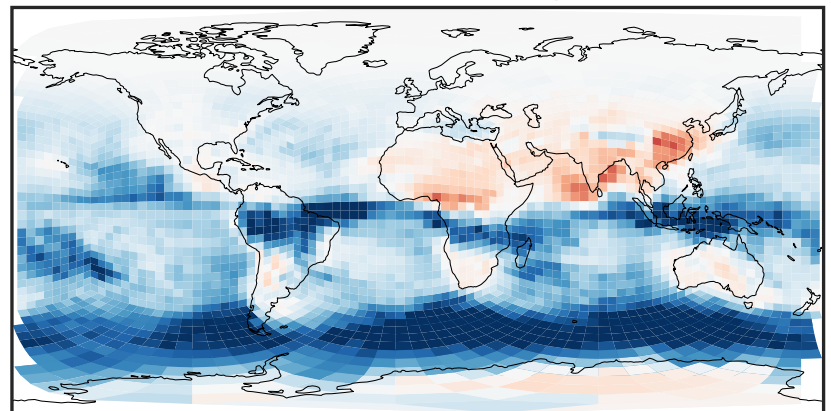
0.0 1.5 3.0 $1e-6$
s-1

Difference
Dev - Ref, Dynamic Range



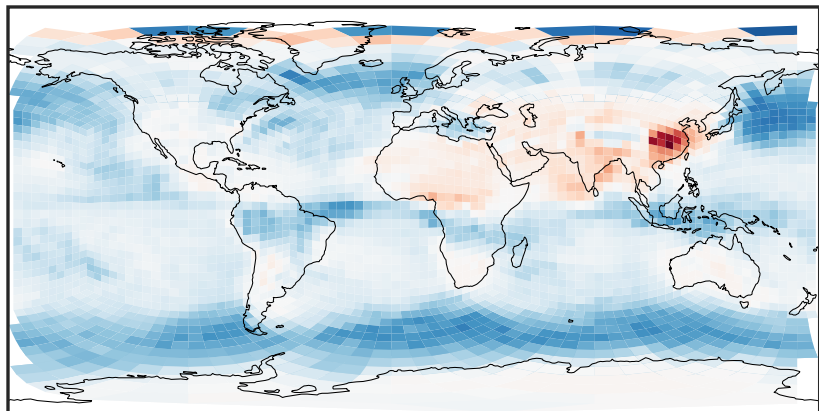
-4 0 4 $1e-8$
s-1

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



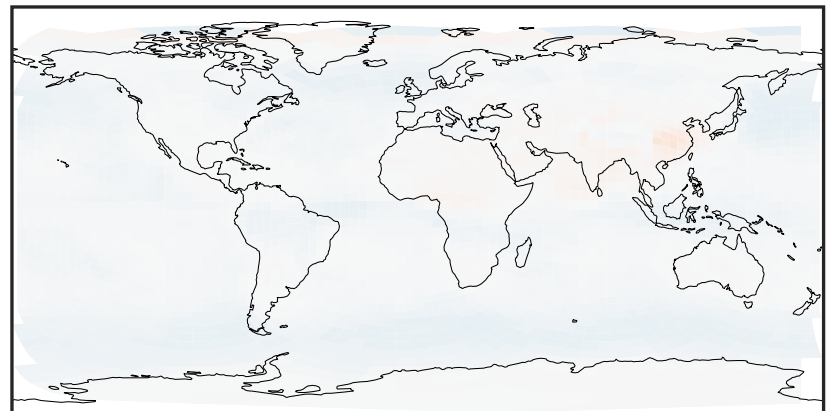
-3 0 3 $1e-8$
s-1

Ratio
Dev/Ref, Dynamic Range



0.9129 0.9564 1.0000 1.0477 1.0955
unitless

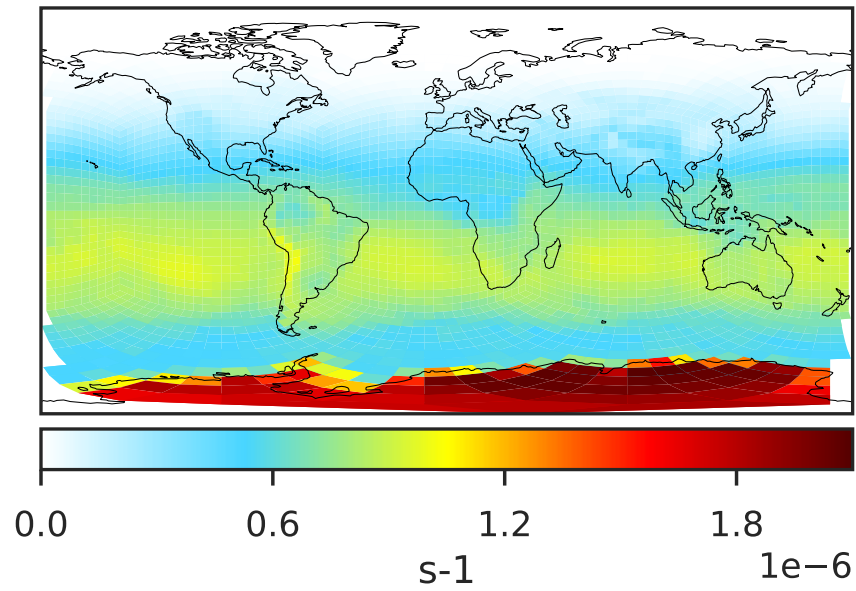
Ratio
Dev/Ref, Fixed Range



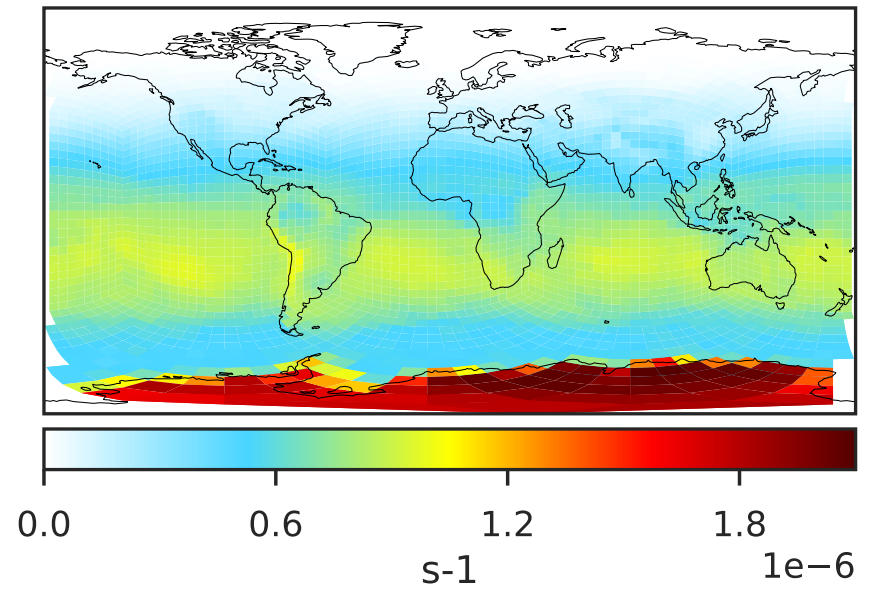
0.50 0.75 1.00 1.50 2.00
unitless

Jval_IHN1 (Jan2019)

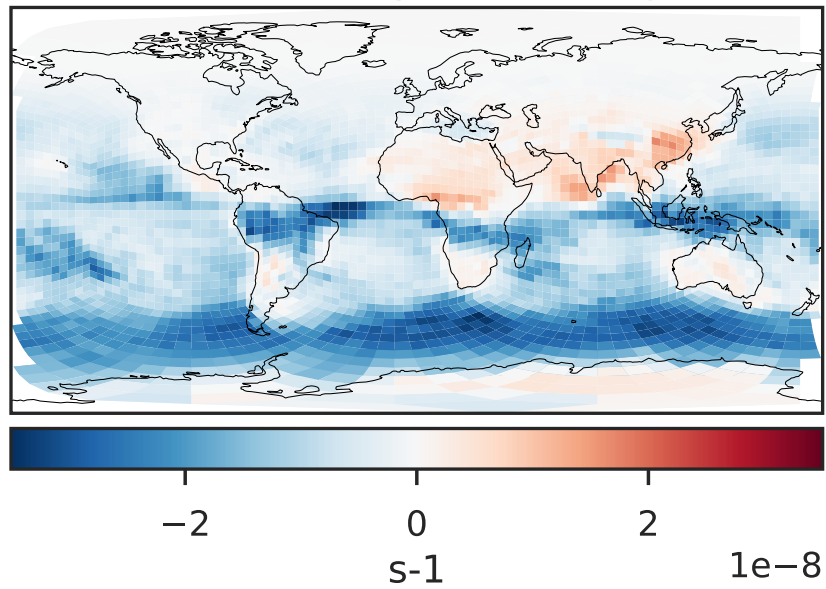
14.2.0-rc.2 (Ref)
c24



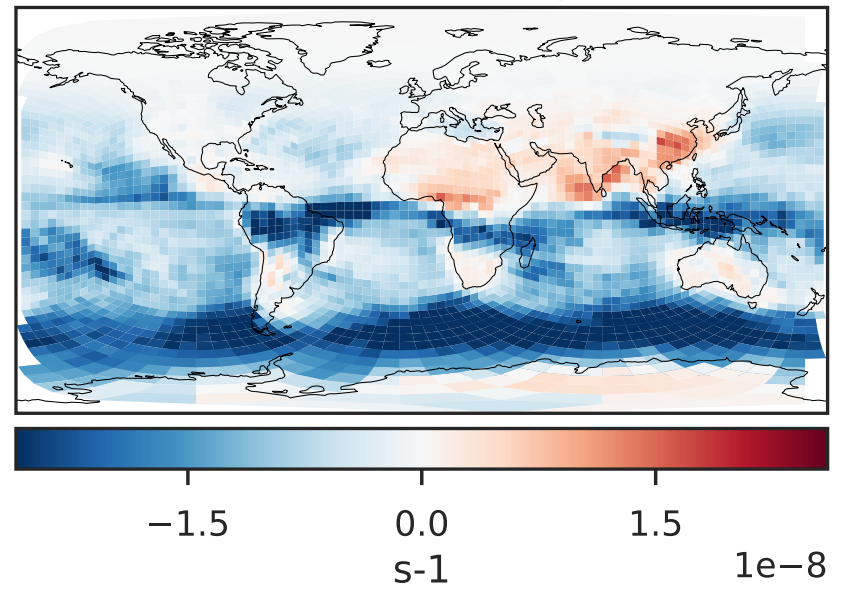
14.3.0-rc.0 (Dev)
c24



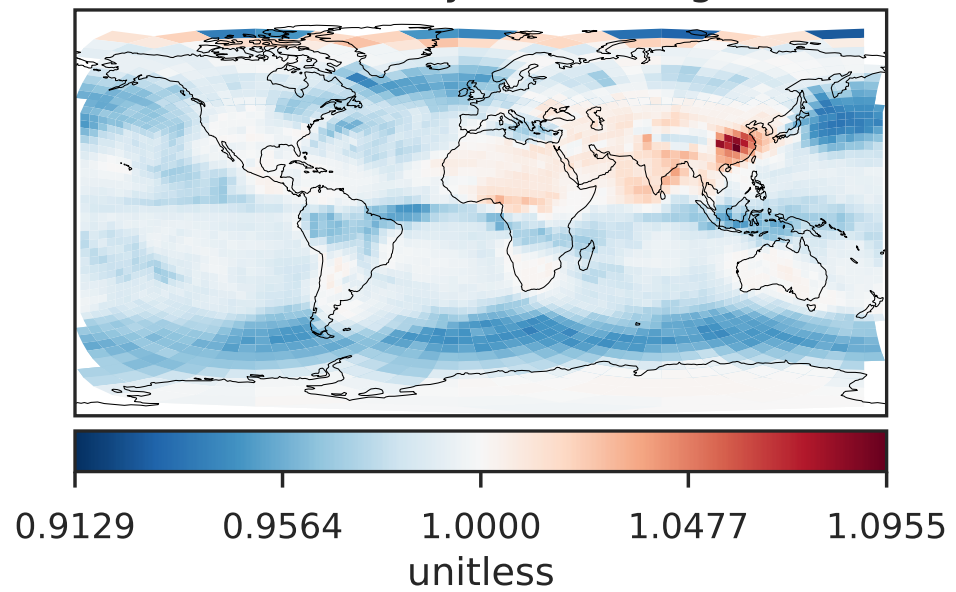
Difference
Dev - Ref, Dynamic Range



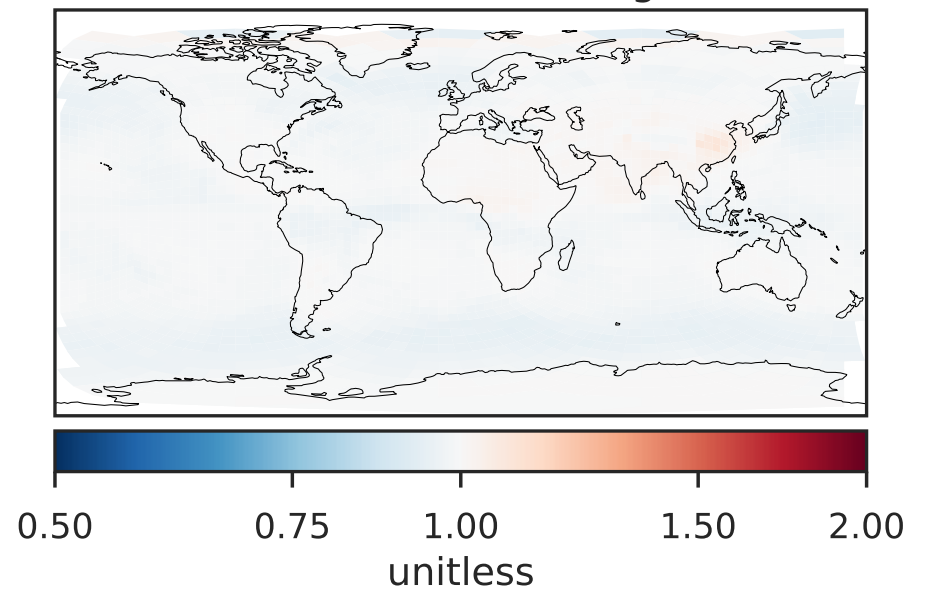
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

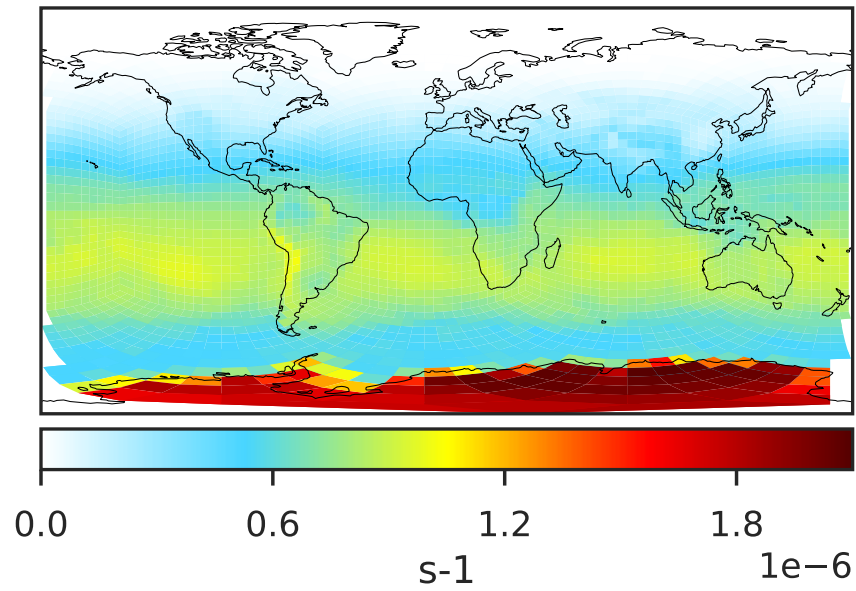


Ratio
Dev/Ref, Fixed Range

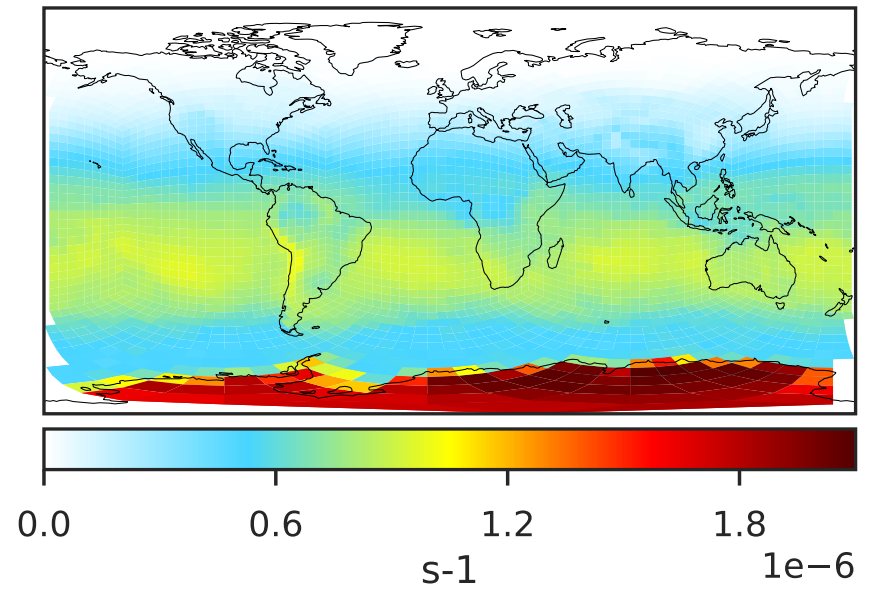


Jval_IHN2 (Jan2019)

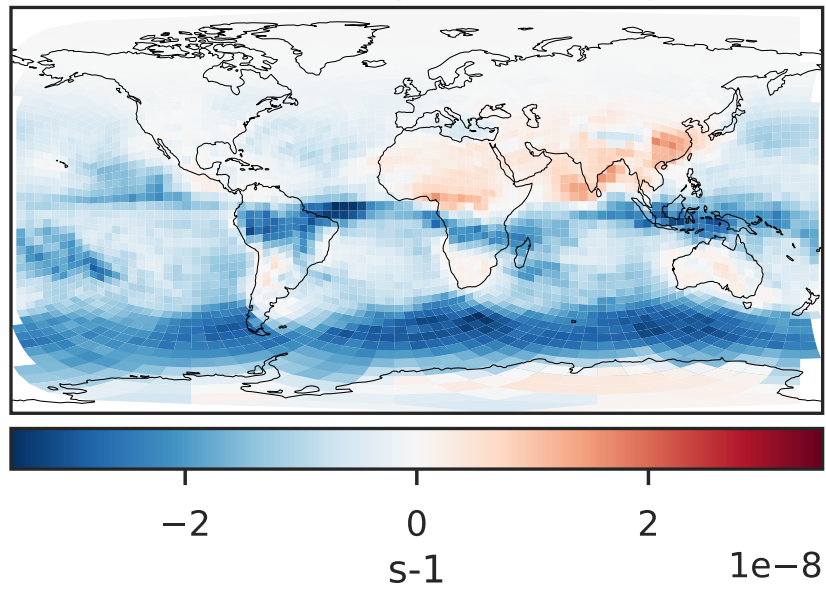
14.2.0-rc.2 (Ref)
c24



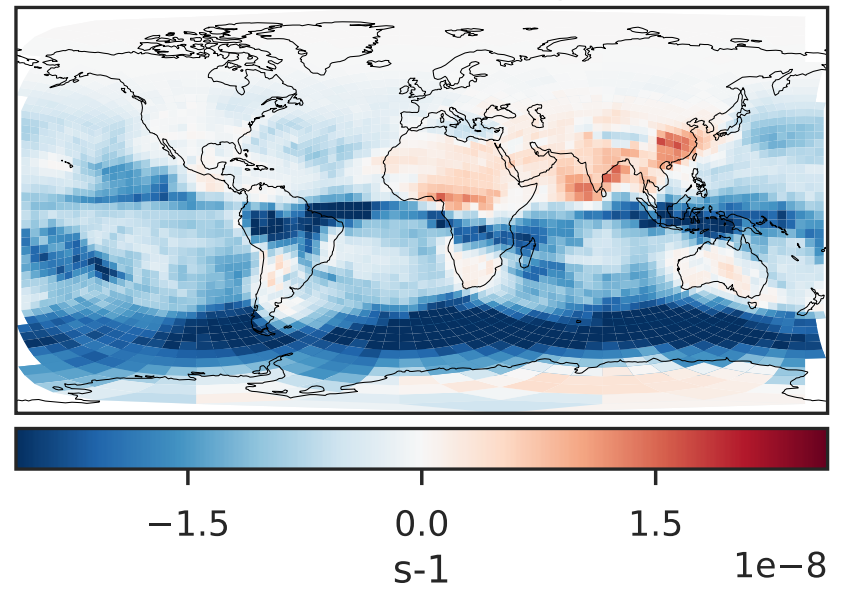
14.3.0-rc.0 (Dev)
c24



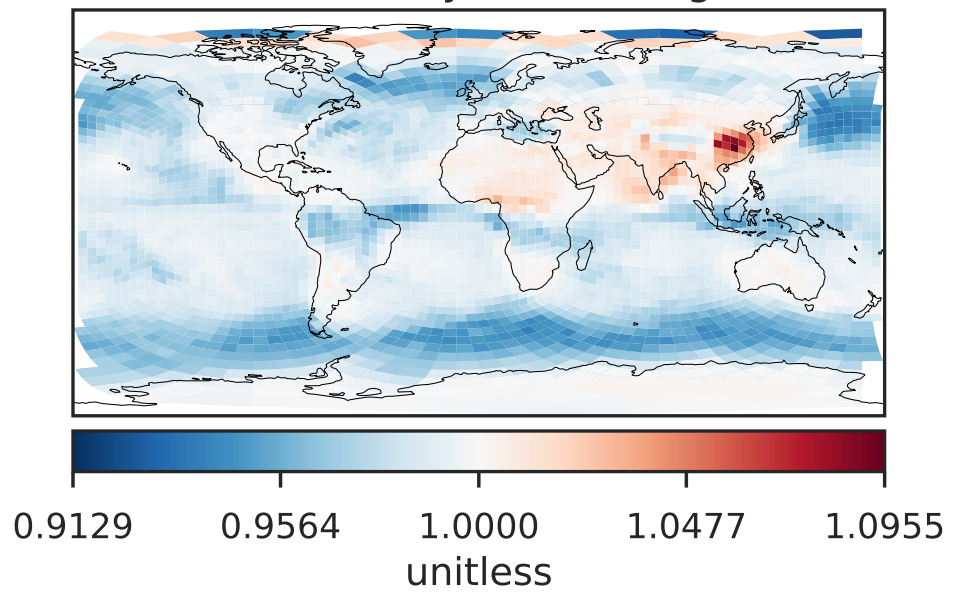
Difference
Dev - Ref, Dynamic Range



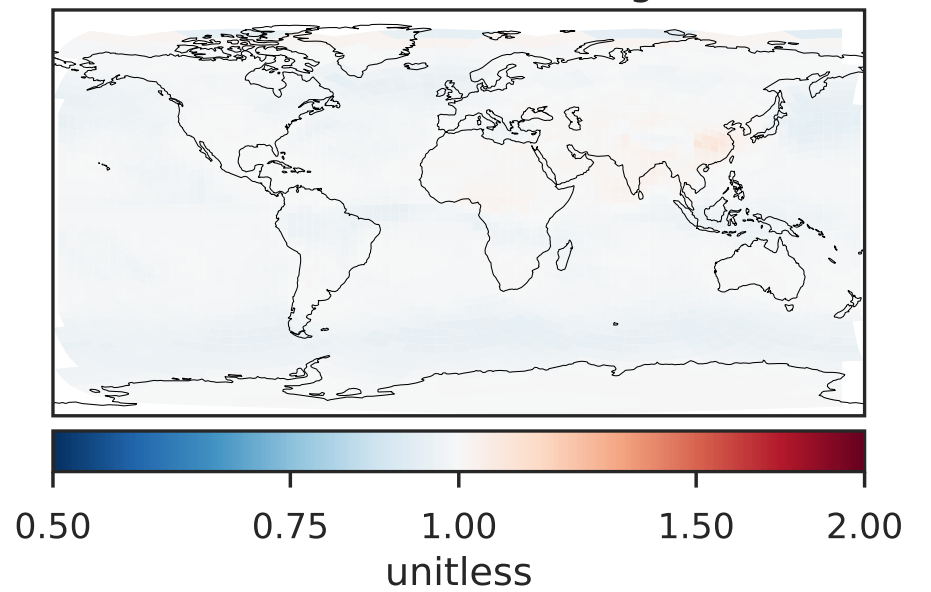
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

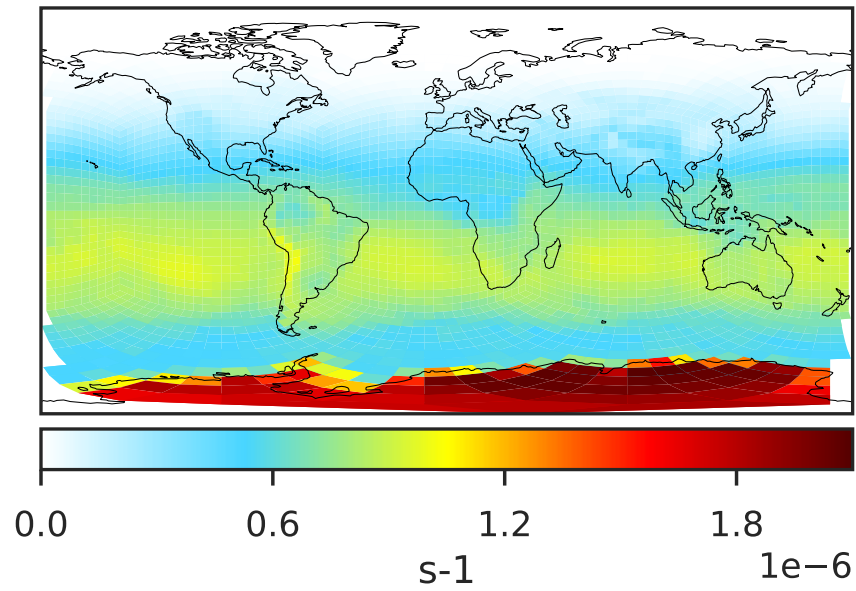


Ratio
Dev/Ref, Fixed Range

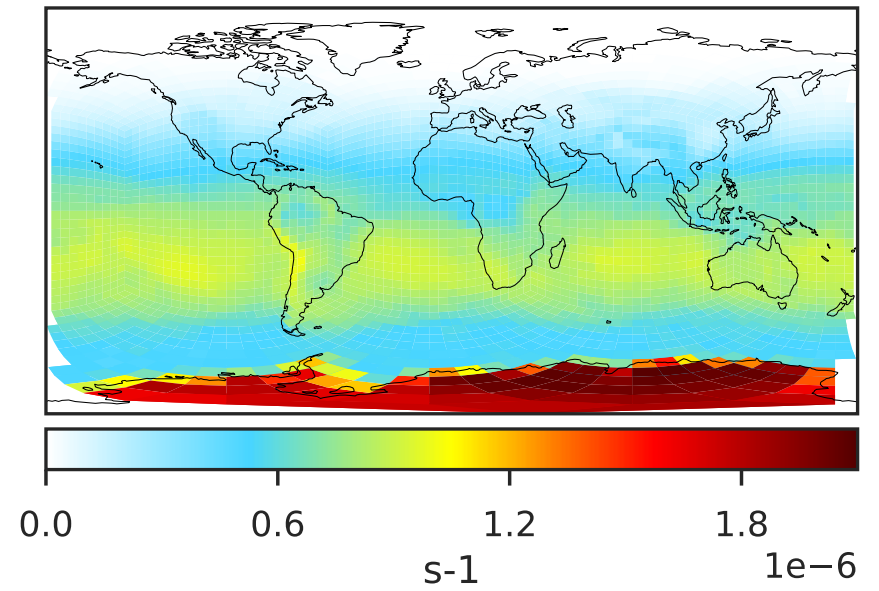


Jval_IHN3 (Jan2019)

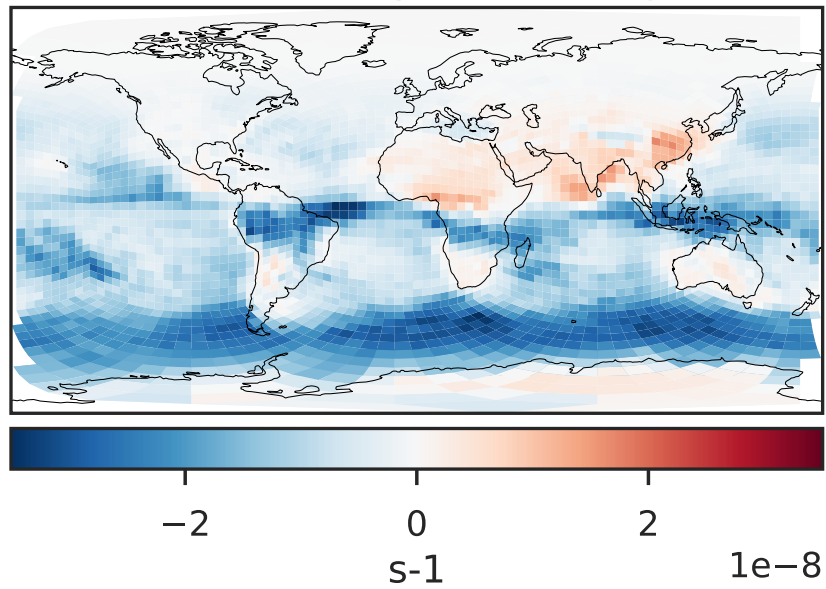
14.2.0-rc.2 (Ref)
c24



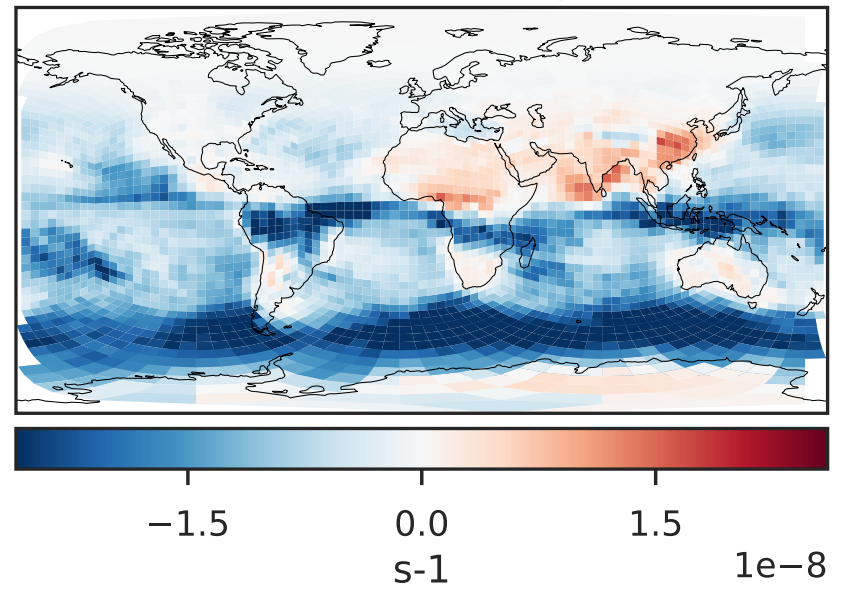
14.3.0-rc.0 (Dev)
c24



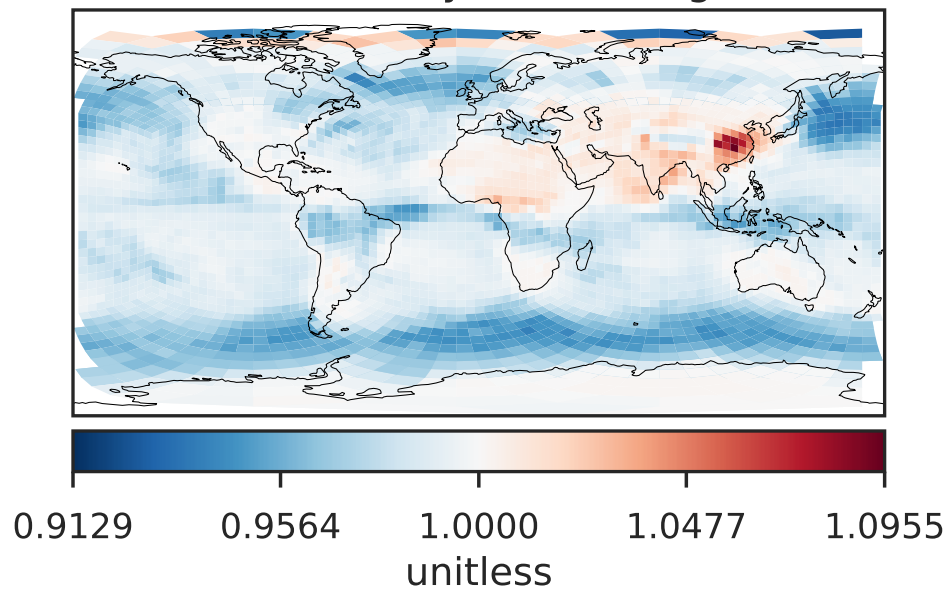
Difference
Dev - Ref, Dynamic Range



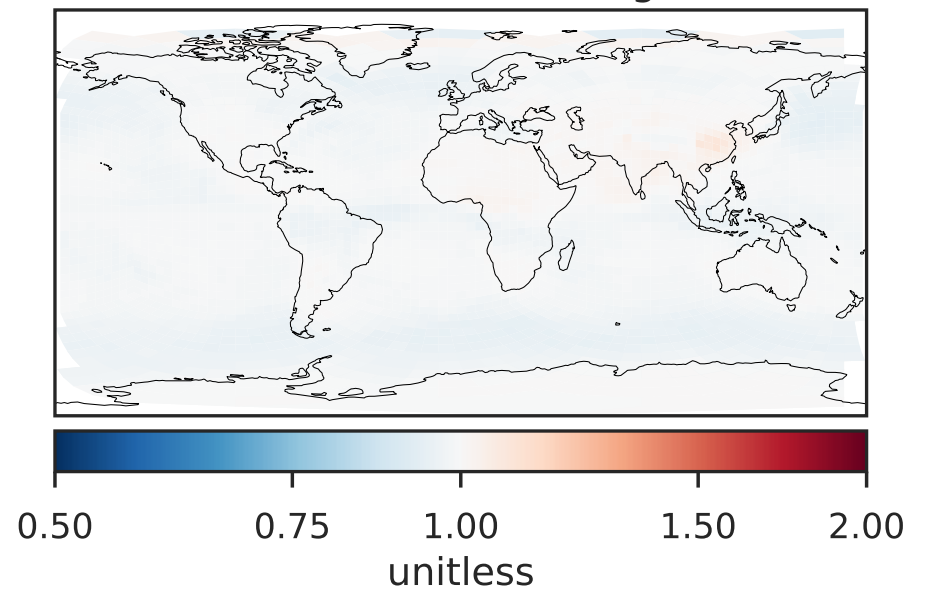
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

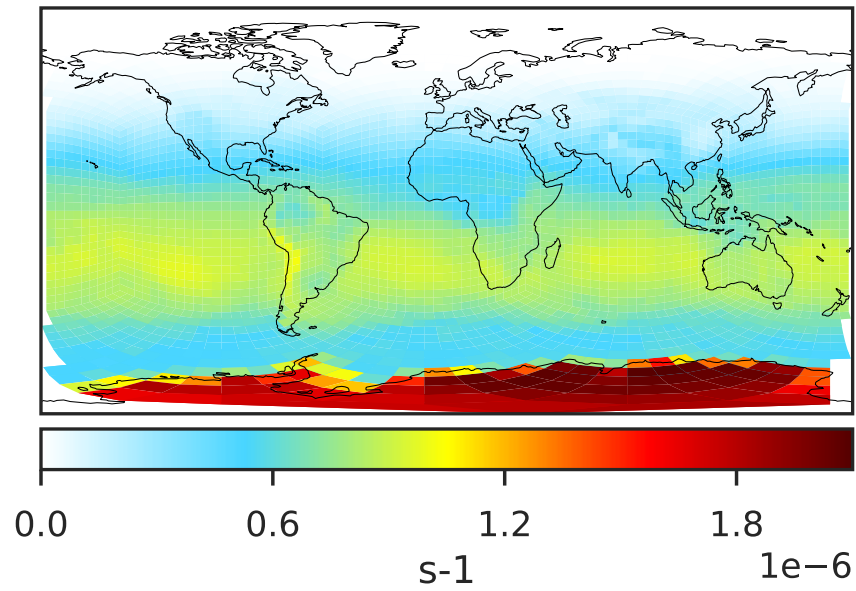


Ratio
Dev/Ref, Fixed Range

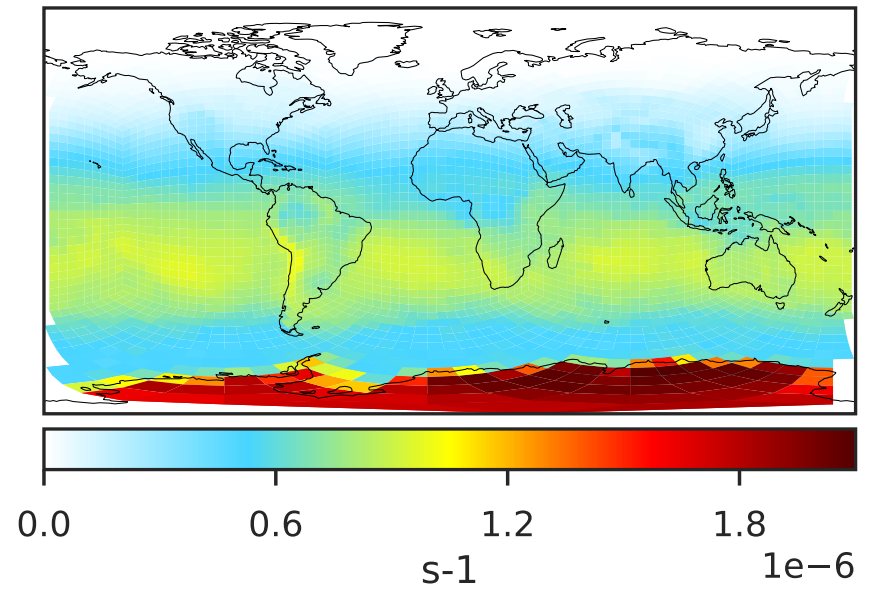


Jval_IHN4 (Jan2019)

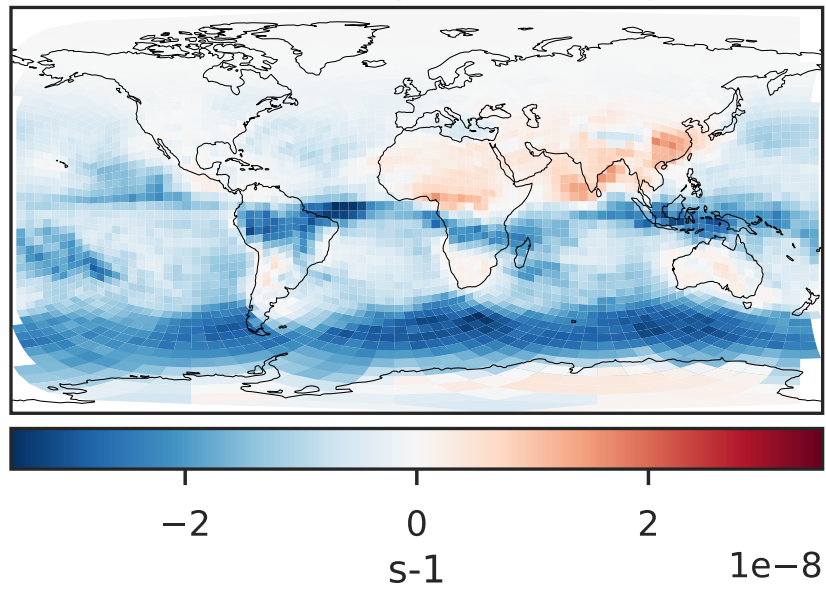
14.2.0-rc.2 (Ref)
c24



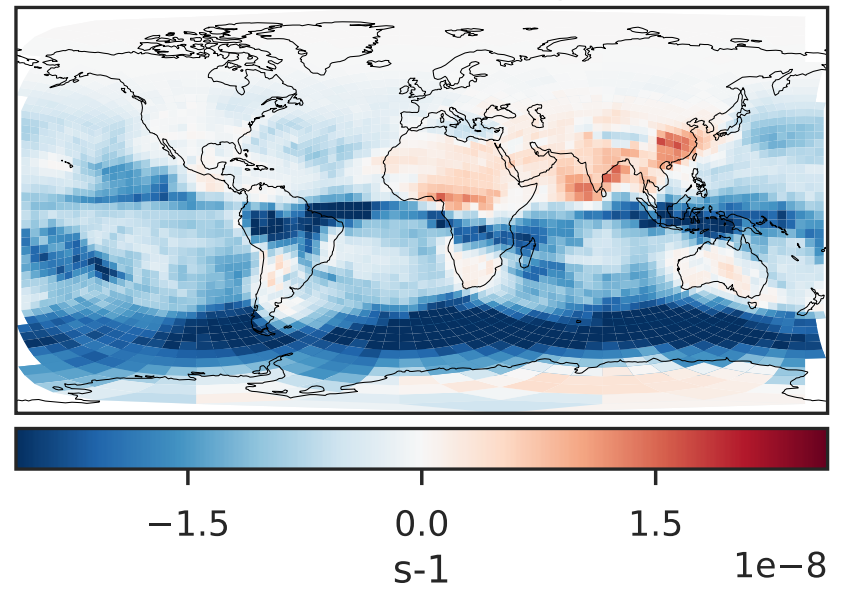
14.3.0-rc.0 (Dev)
c24



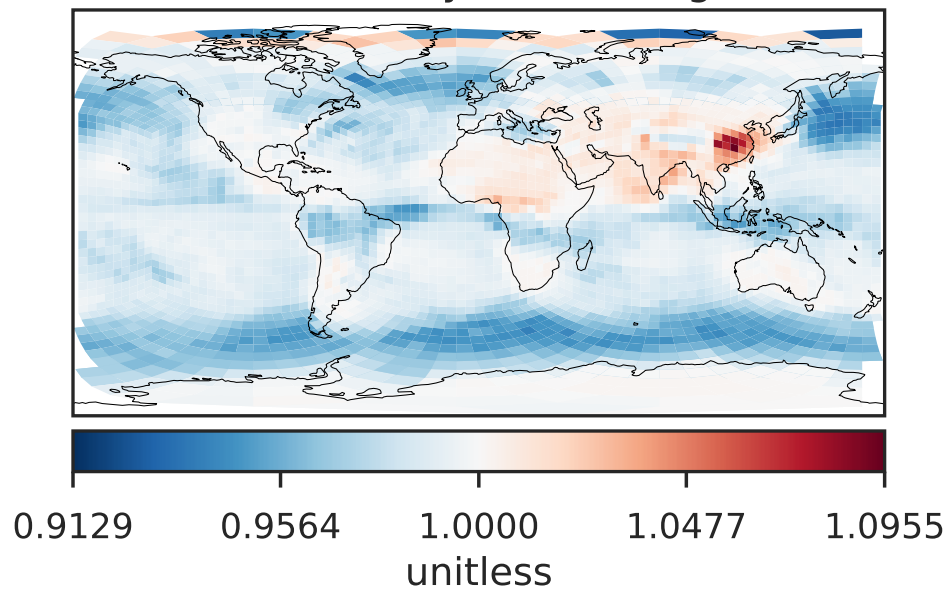
Difference
Dev - Ref, Dynamic Range



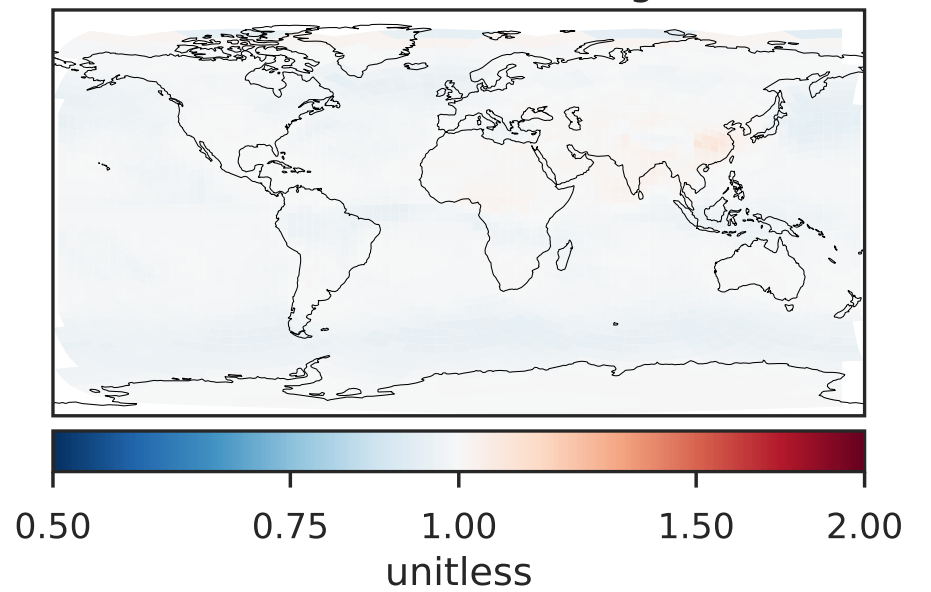
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

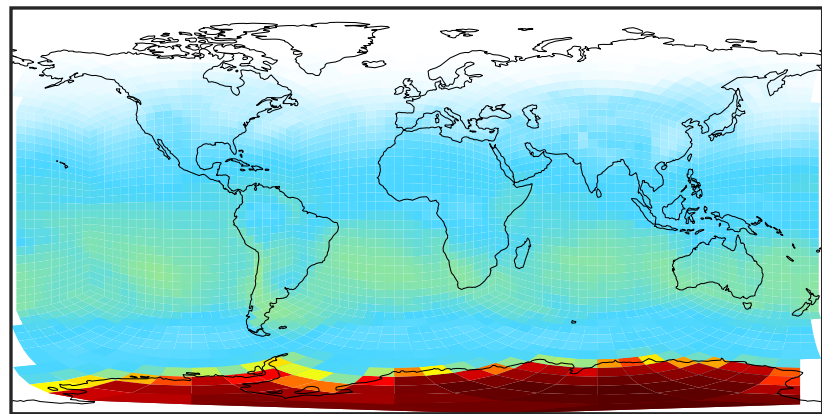


Ratio
Dev/Ref, Fixed Range



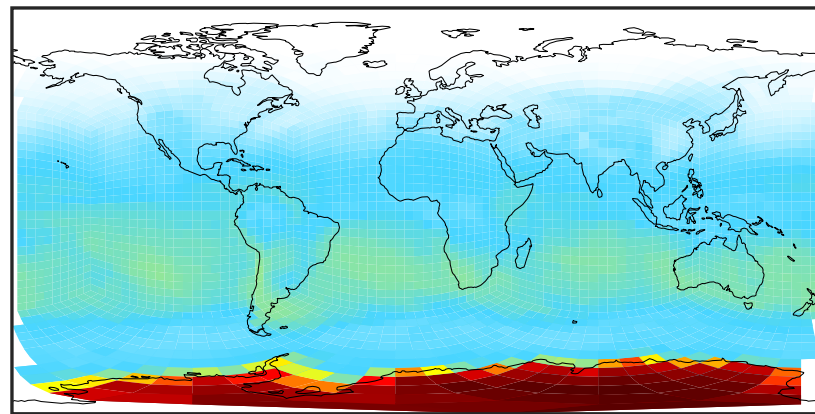
Jval_INO (Jan2019)

14.2.0-rc.2 (Ref)
c24



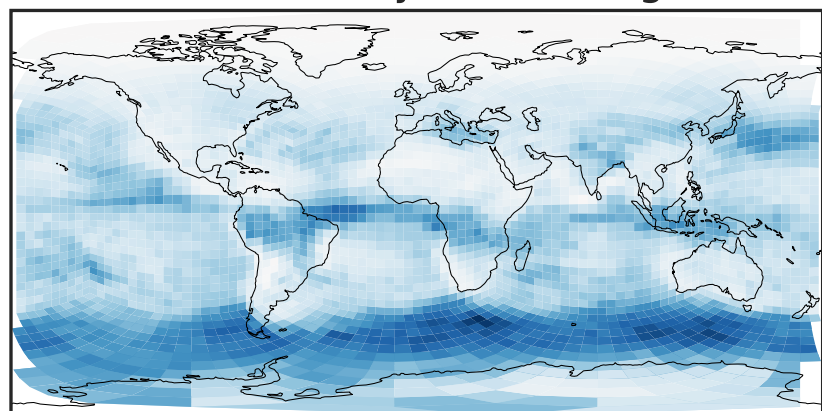
0.000 0.015 0.030 0.045
s-1

14.3.0-rc.0 (Dev)
c24



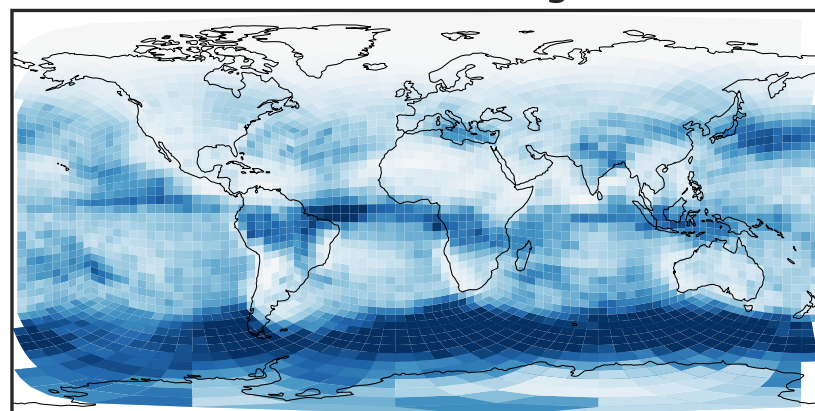
0.000 0.015 0.030 0.045
s-1

Difference
Dev - Ref, Dynamic Range



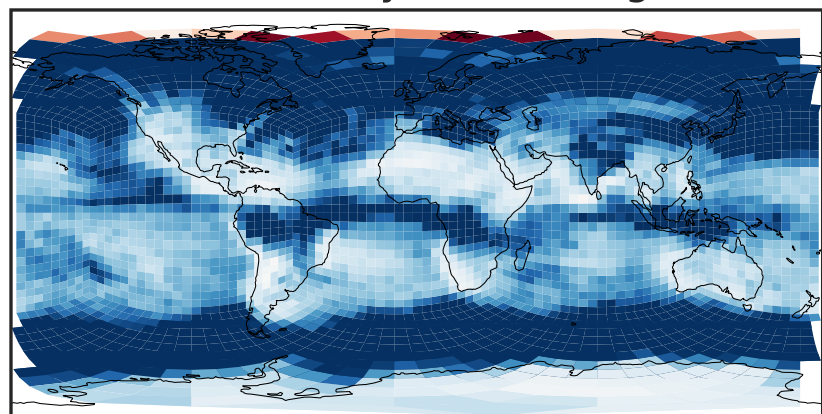
-0.0006 0.0000 0.0006
s-1

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



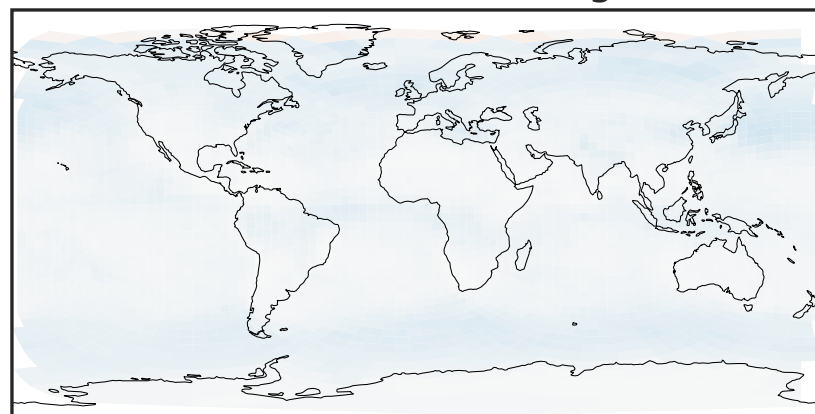
-0.0004 0.0000 0.0004
s-1

Ratio
Dev/Ref, Dynamic Range



0.95781 0.97891 1.00000 1.02202 1.04405
unitless

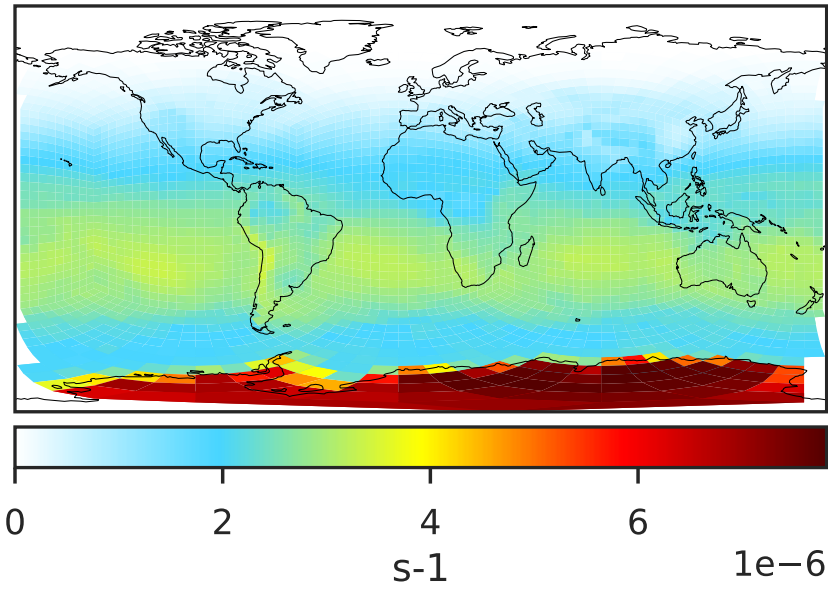
Ratio
Dev/Ref, Fixed Range



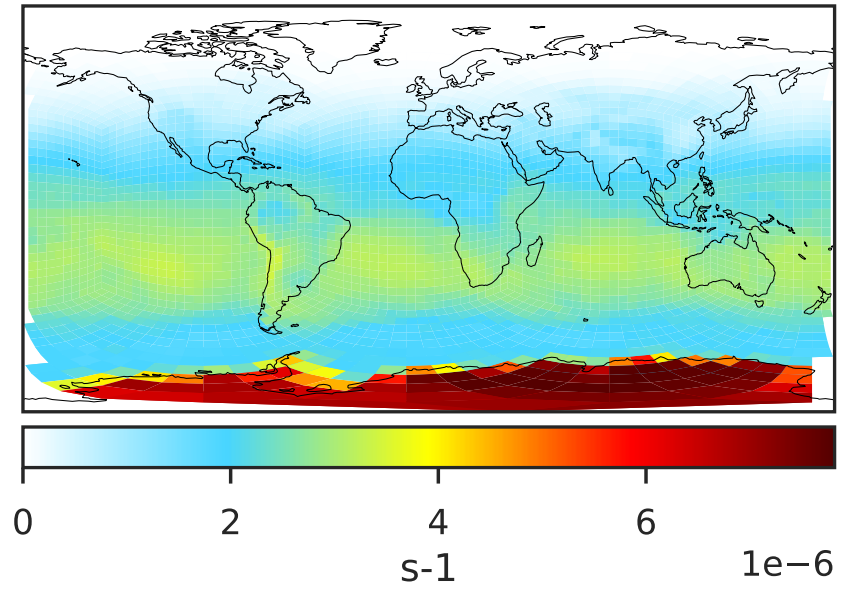
0.50 0.75 1.00 1.50 2.00
unitless

Jval_INPB (Jan2019)

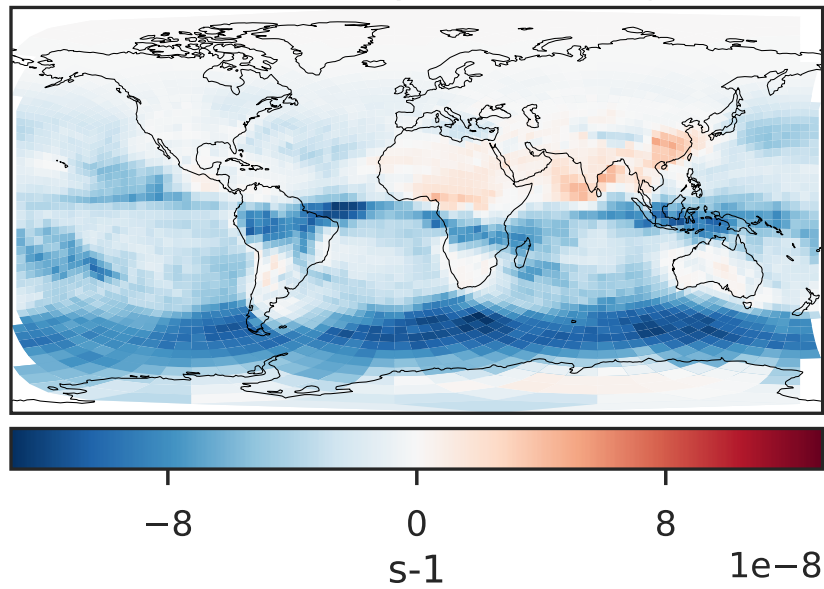
14.2.0-rc.2 (Ref)
c24



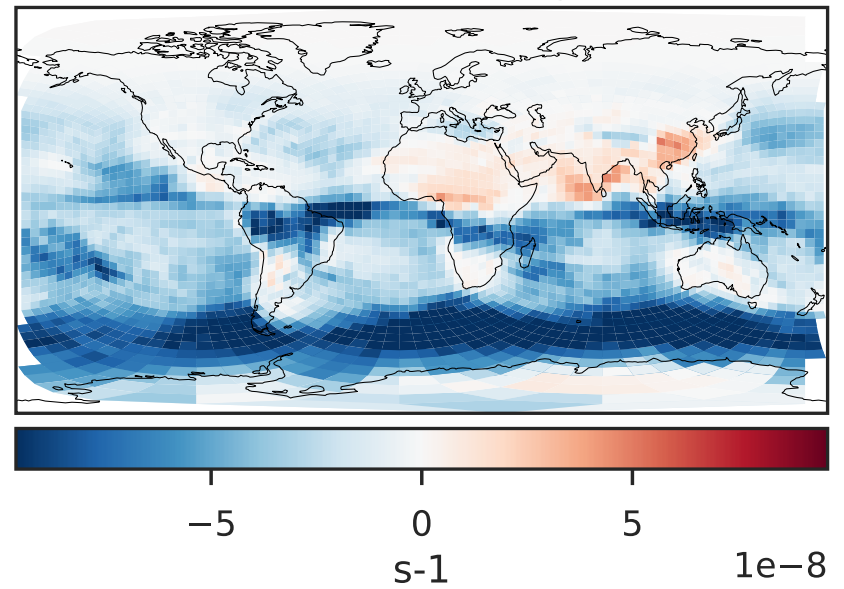
14.3.0-rc.0 (Dev)
c24



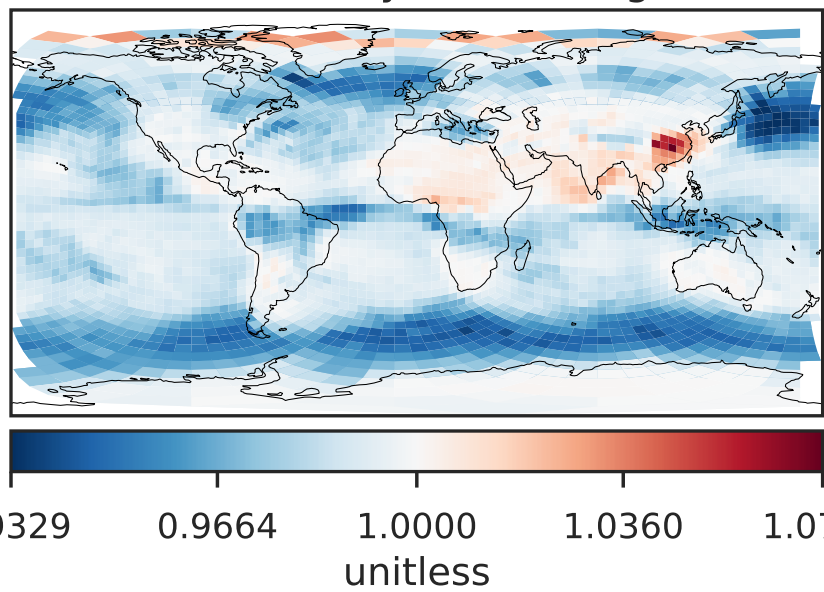
Difference
Dev - Ref, Dynamic Range



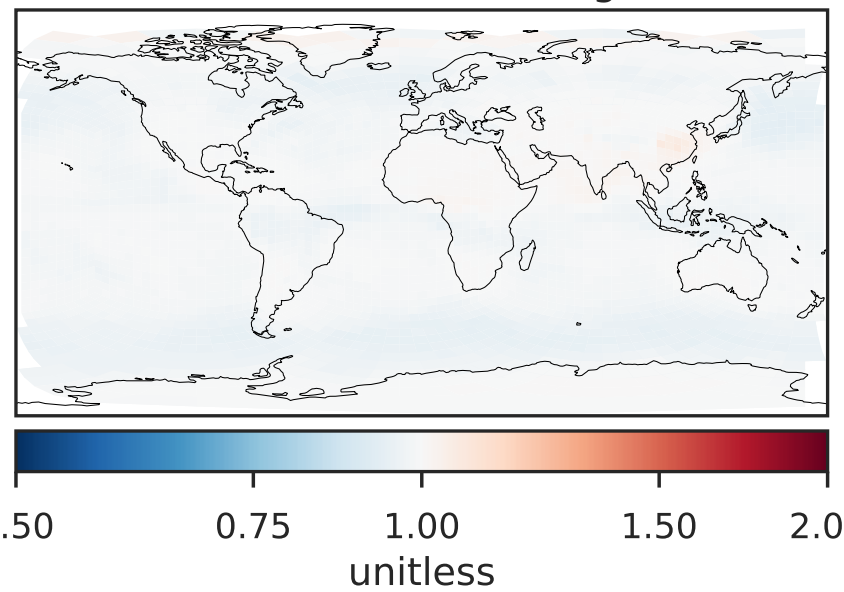
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range



Ratio
Dev/Ref, Fixed Range

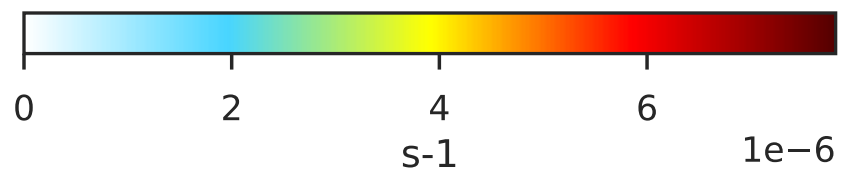
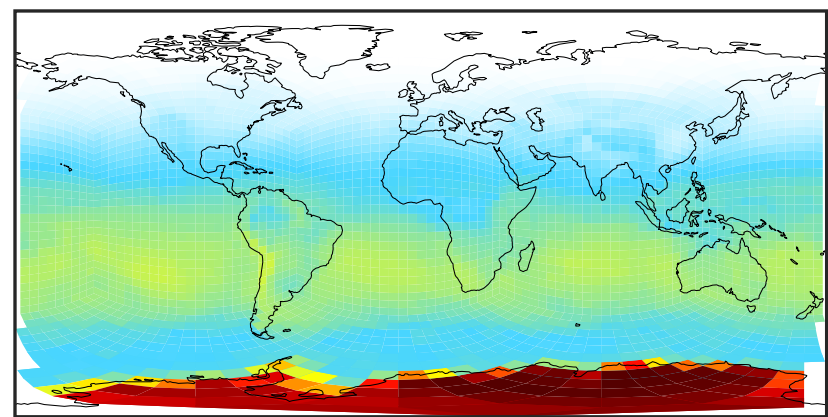


0.9329 0.9664 1.0000 1.0360 1.0720
unitless

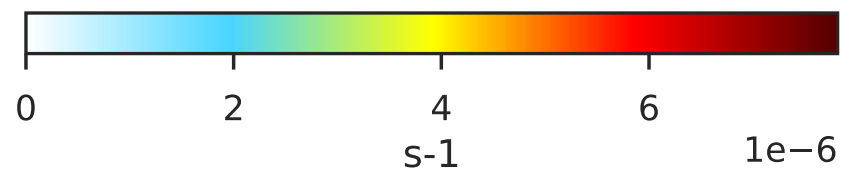
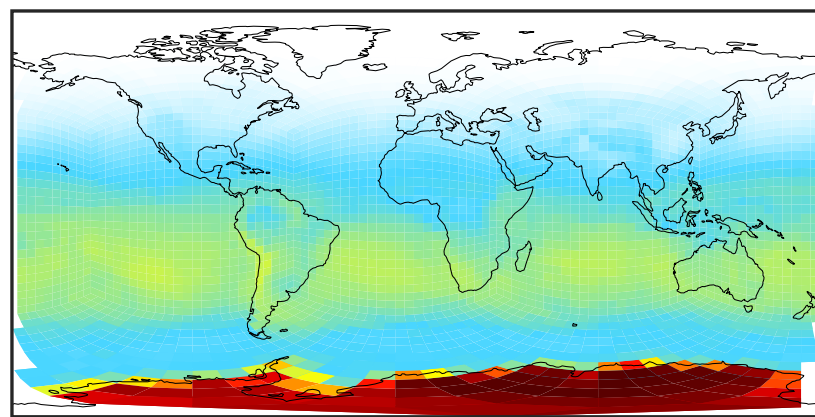
0.50 0.75 1.00 1.50 2.00
unitless

Jval_INPD (Jan2019)

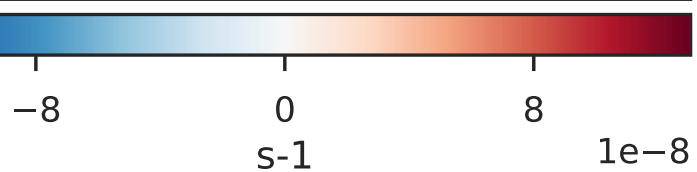
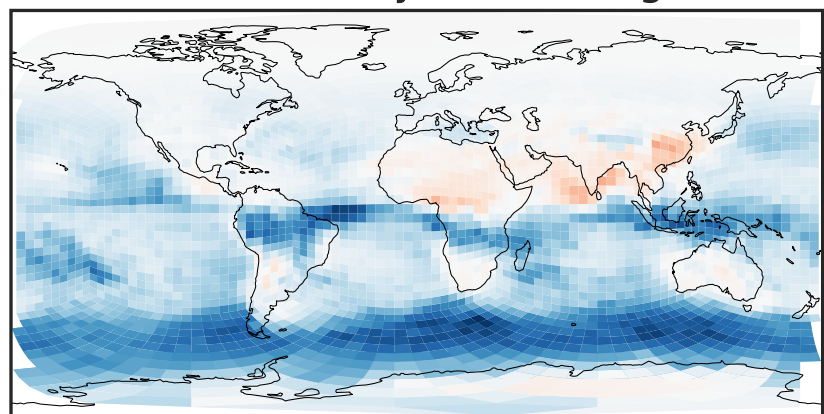
14.2.0-rc.2 (Ref)
c24



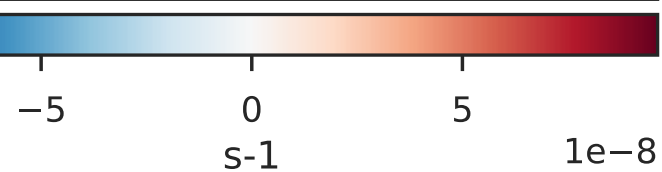
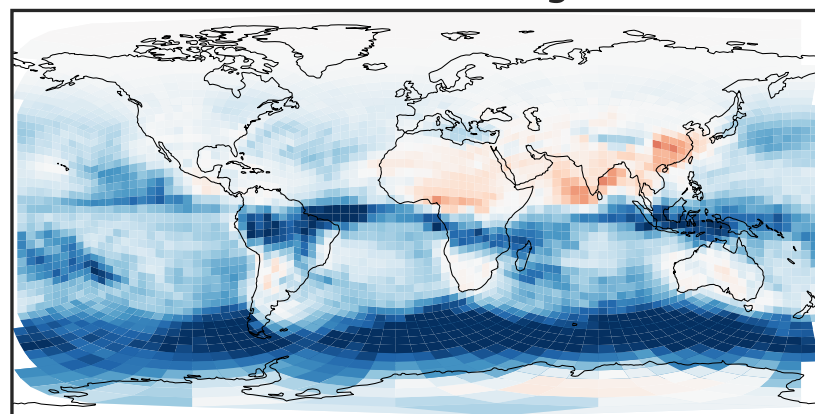
14.3.0-rc.0 (Dev)
c24



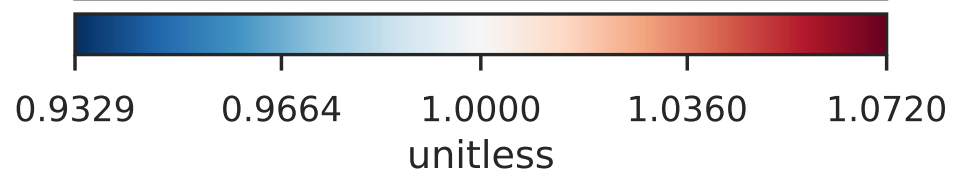
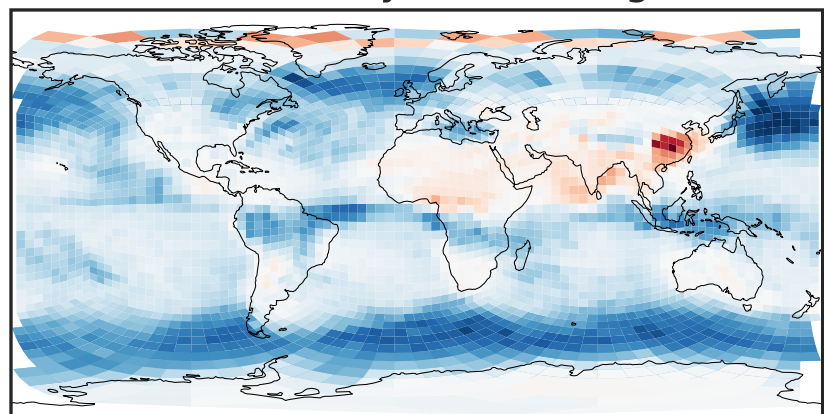
Difference
Dev - Ref, Dynamic Range



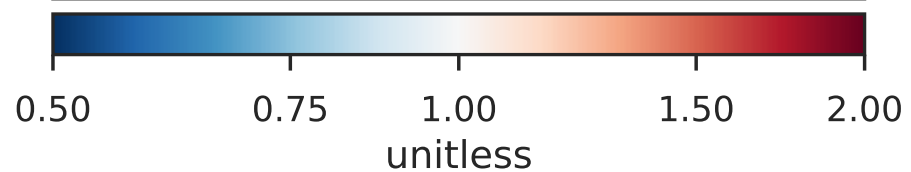
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

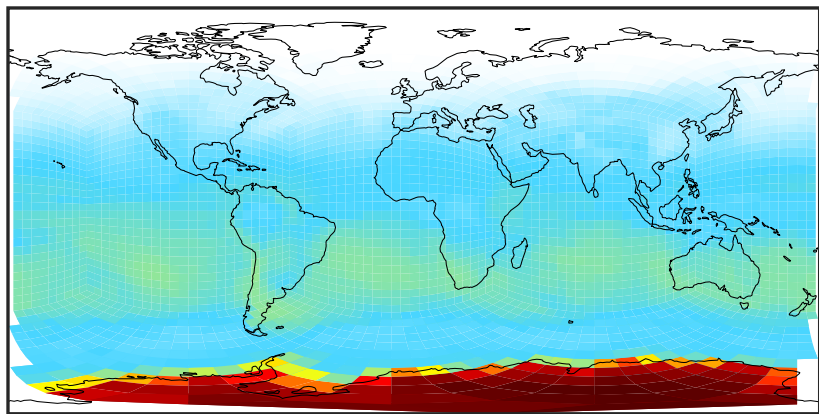


Ratio
Dev/Ref, Fixed Range



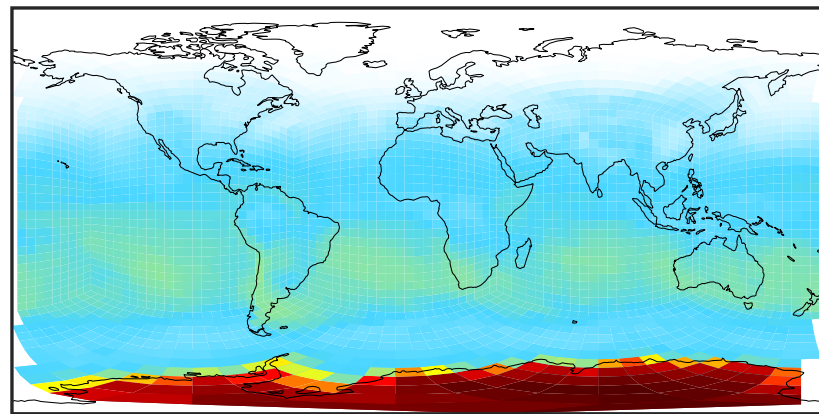
Jval_IO (Jan2019)

14.2.0-rc.2 (Ref)
c24



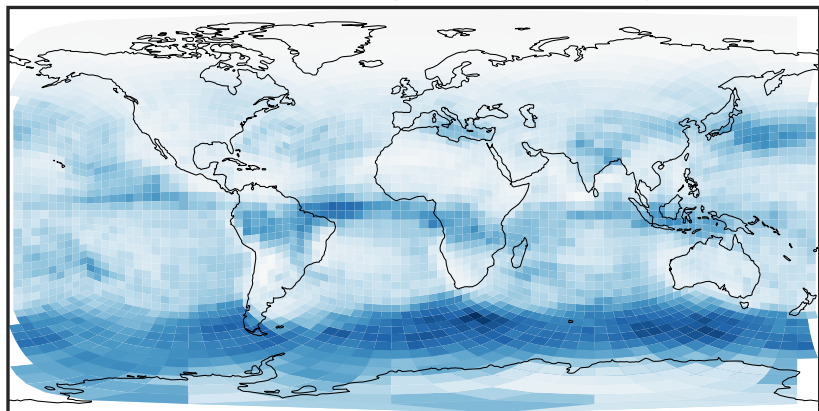
0.0000 0.0725 0.1451 0.2176 0.2901
s-1

14.3.0-rc.0 (Dev)
c24



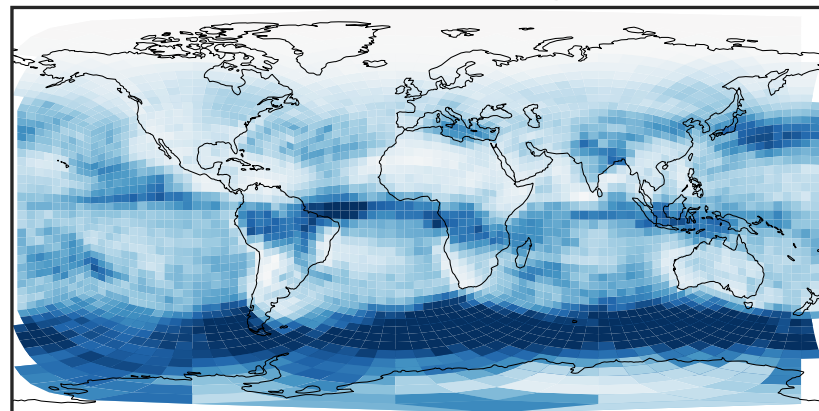
0.0000 0.0725 0.1451 0.2176 0.2901
s-1

Difference
Dev - Ref, Dynamic Range



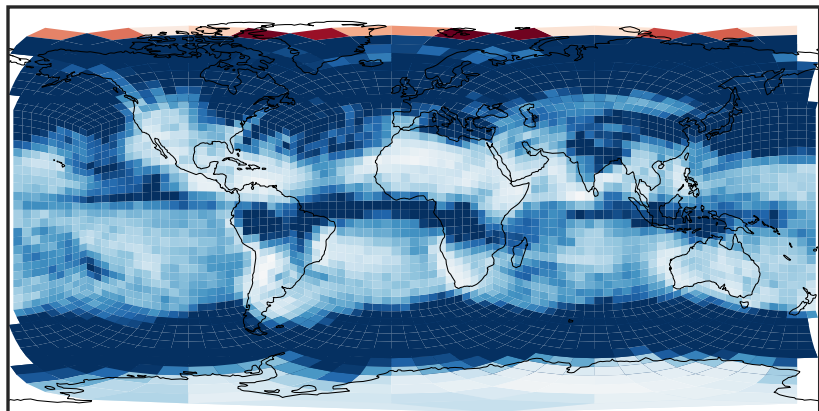
-0.004 0.000 0.004
s-1

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



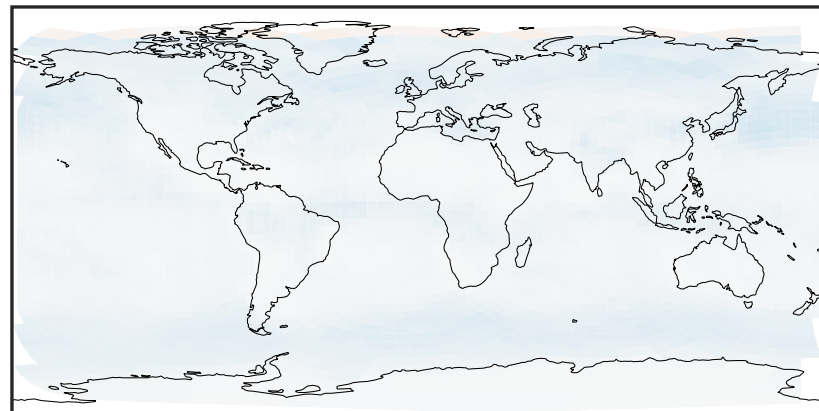
-0.0025 0.0000 0.0025
s-1

Ratio
Dev/Ref, Dynamic Range



0.95681 0.97840 1.00000 1.02257 1.04514
unitless

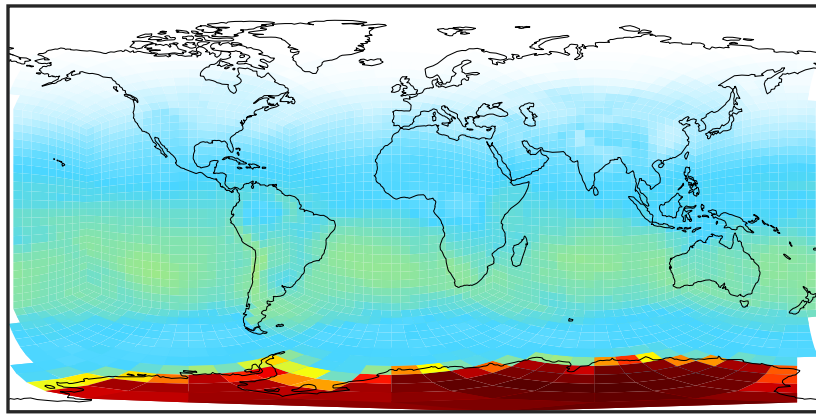
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

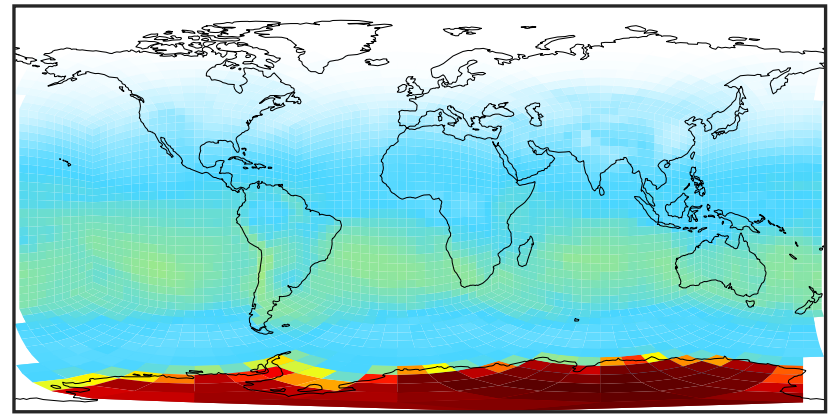
Jval_IONO (Jan2019)

14.2.0-rc.2 (Ref)
c24



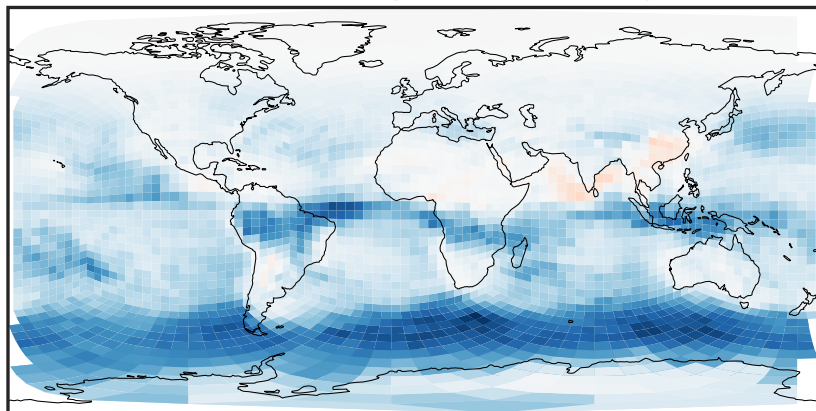
0.000 0.001 0.002 0.003
s-1

14.3.0-rc.0 (Dev)
c24



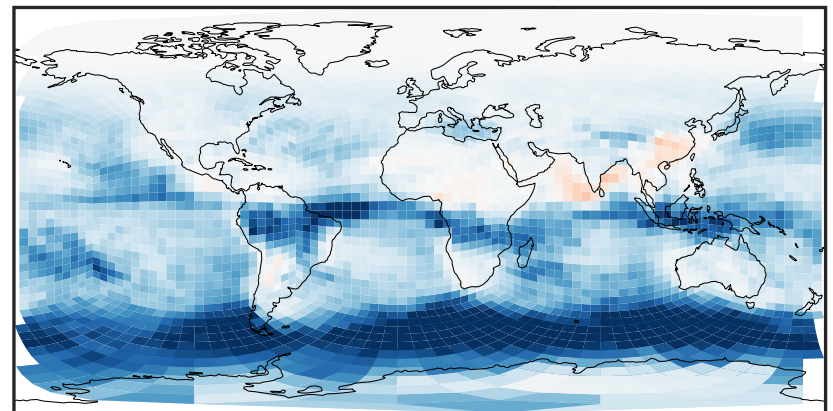
0.000 0.001 0.002 0.003
s-1

Difference
Dev - Ref, Dynamic Range



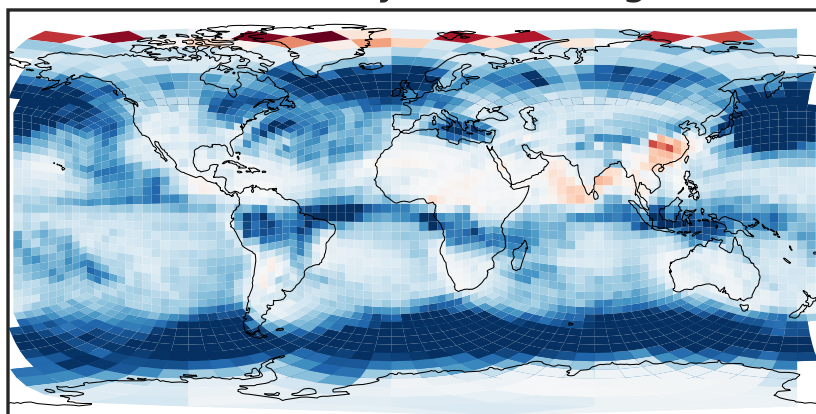
-3 0 3
s-1 1e-5

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



-2.5 0.0 2.5
s-1 1e-5

Ratio
Dev/Ref, Dynamic Range



0.95486 0.97743 1.00000 1.02364 1.04728
unitless

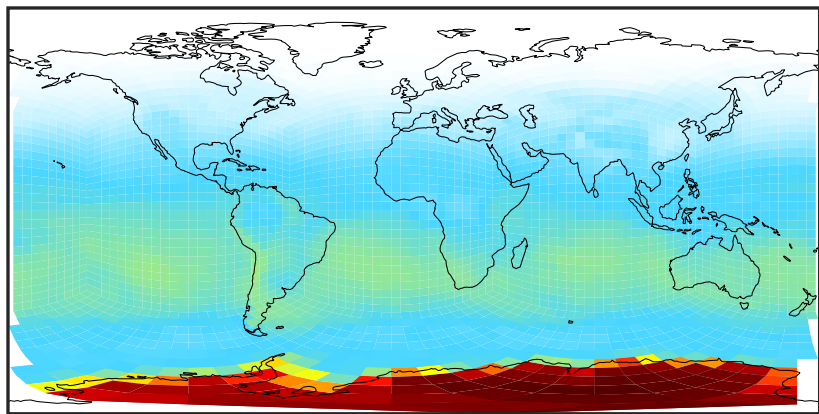
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

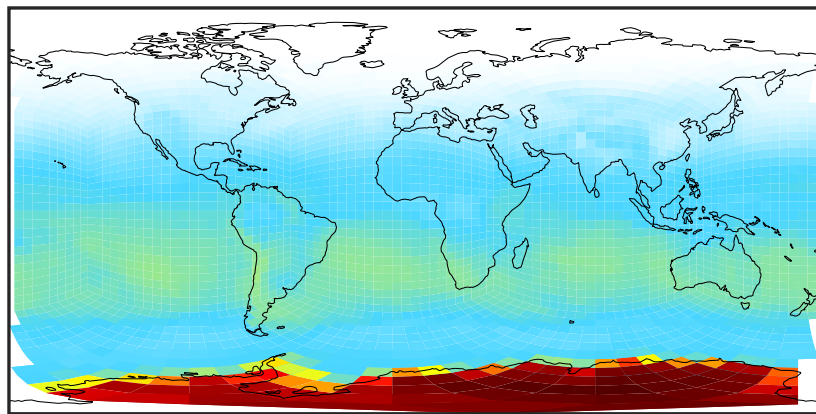
Jval_IONO2 (Jan2019)

14.2.0-rc.2 (Ref)
c24



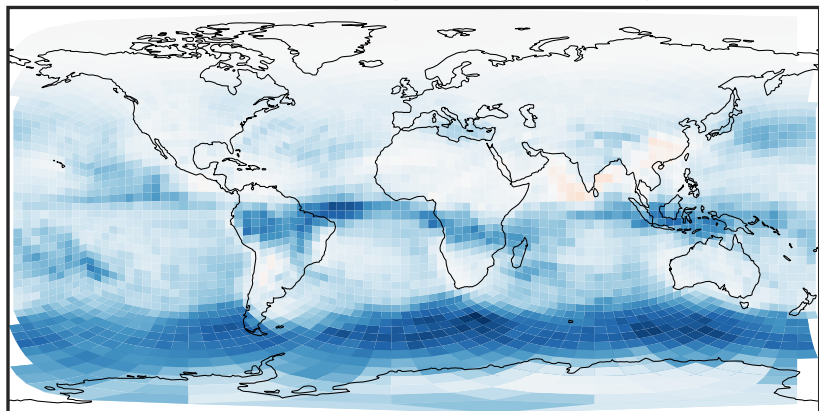
0.000 0.004 0.008 0.012
s-1

14.3.0-rc.0 (Dev)
c24



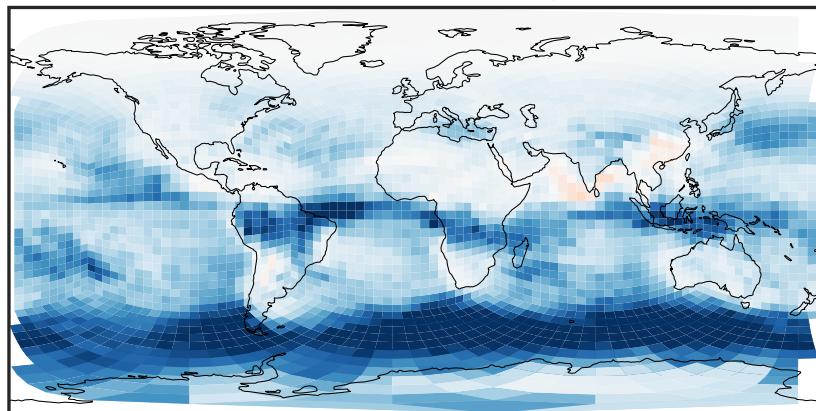
0.000 0.004 0.008 0.012
s-1

Difference
Dev - Ref, Dynamic Range



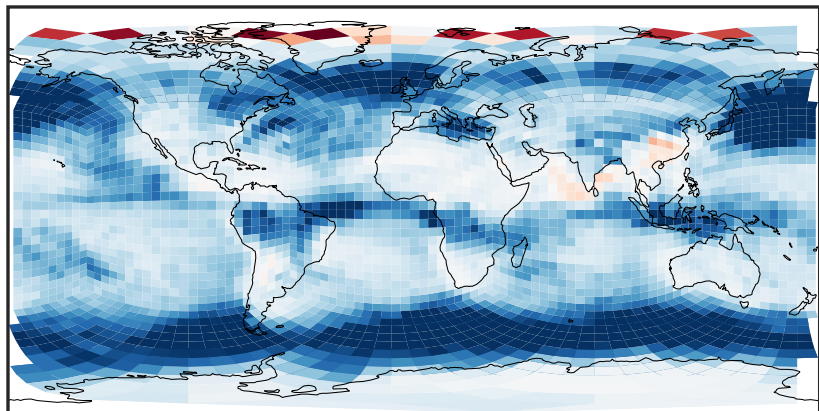
-0.0001 0.0000 0.0001
s-1

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



-8 0 8
s-1 1e-5

Ratio
Dev/Ref, Dynamic Range



0.95207 0.97604 1.00000 1.02517 1.05034
unitless

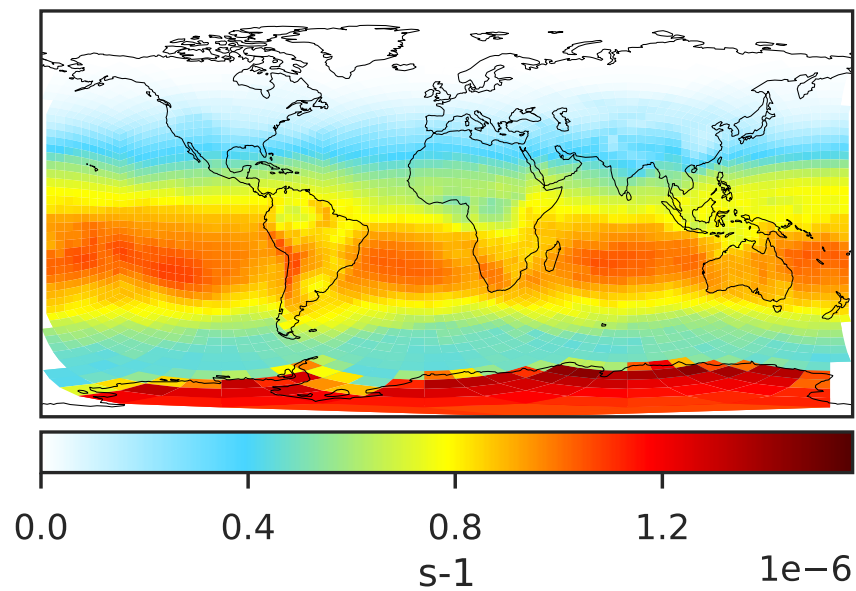
Ratio
Dev/Ref, Fixed Range



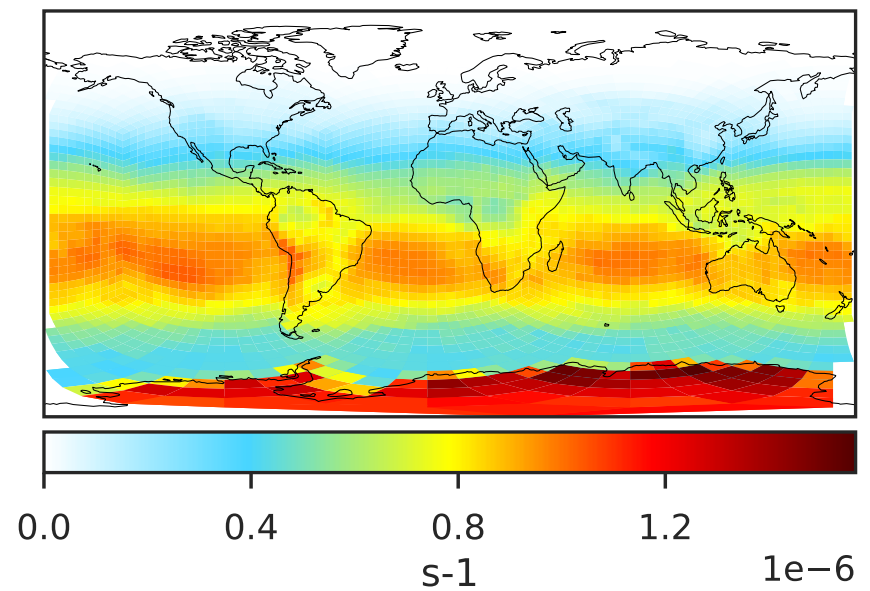
0.50 0.75 1.00 1.50 2.00
unitless

Jval_IPRNO3 (Jan2019)

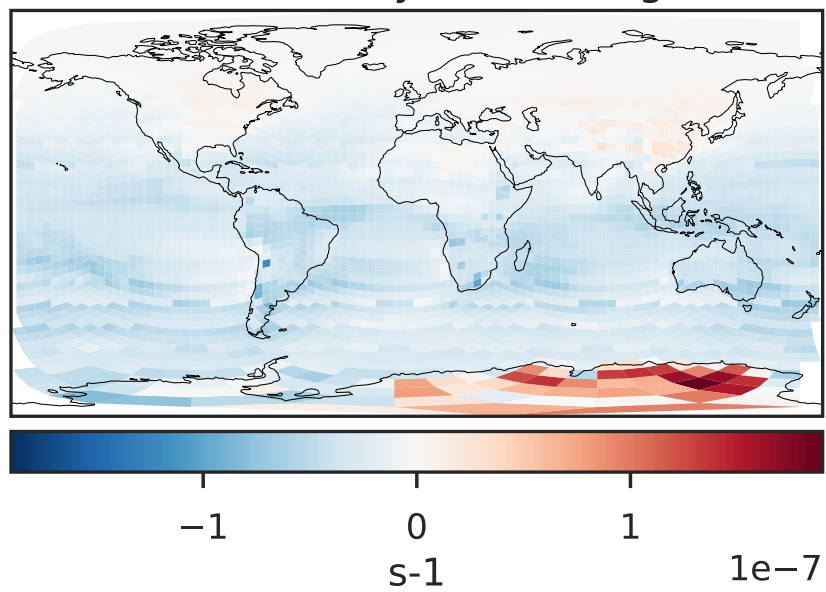
14.2.0-rc.2 (Ref)
c24



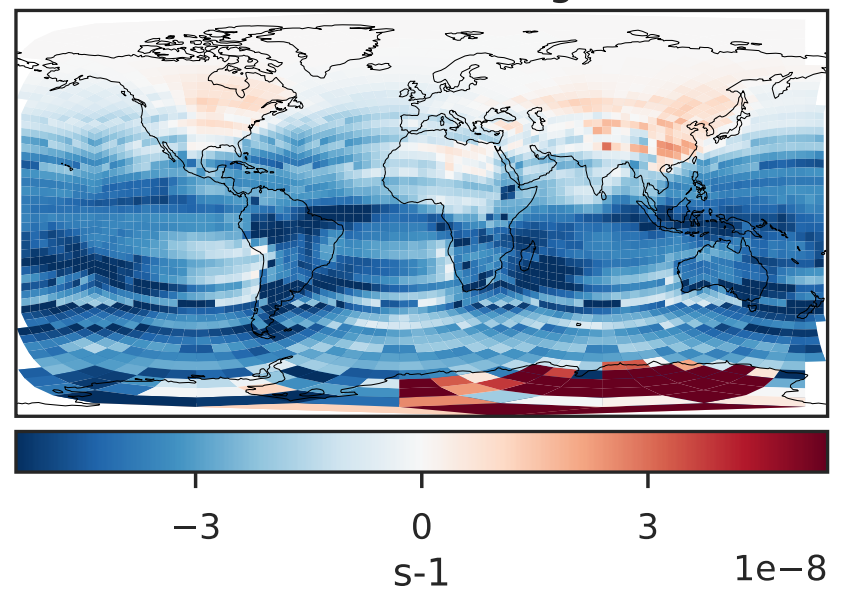
14.3.0-rc.0 (Dev)
c24



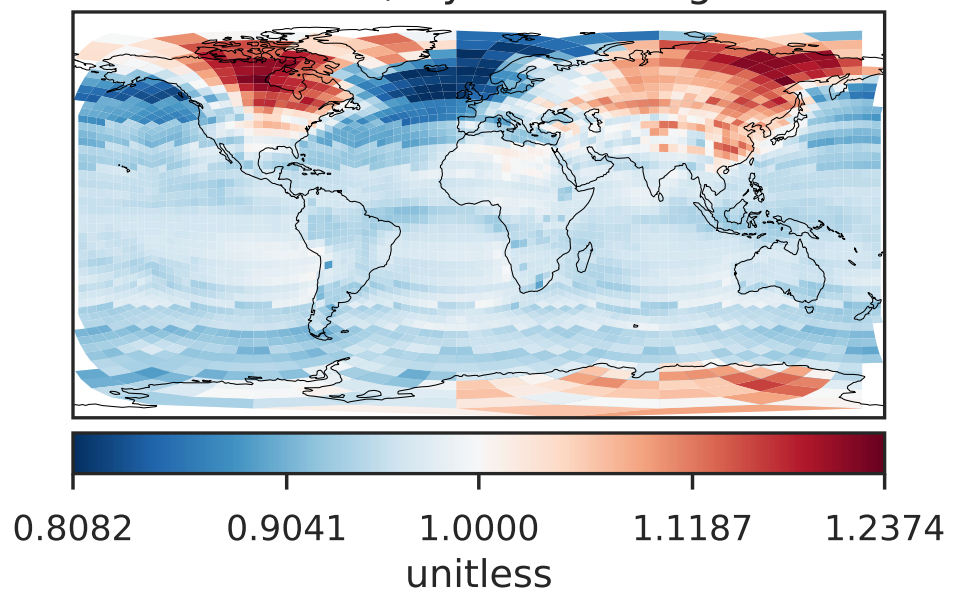
Difference
Dev - Ref, Dynamic Range



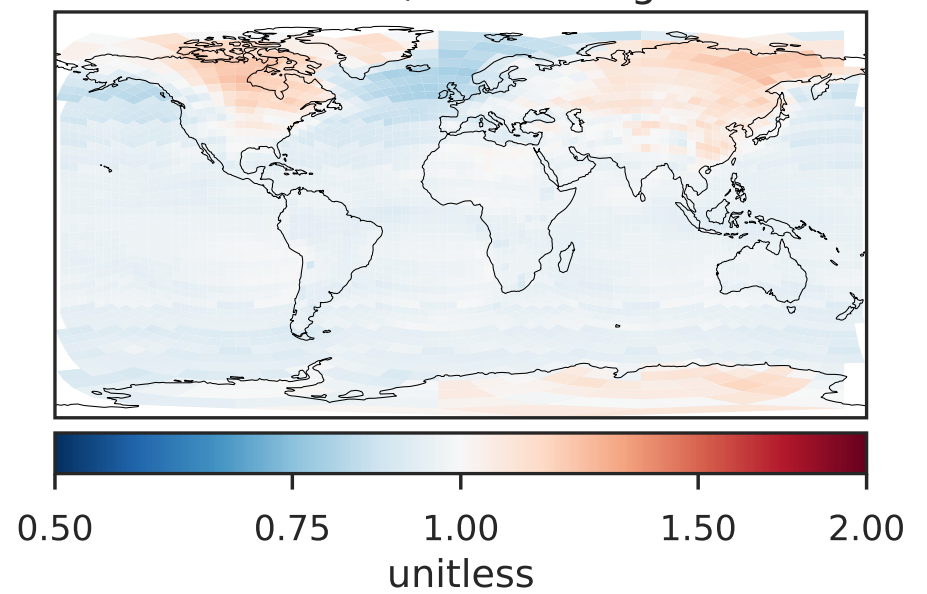
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

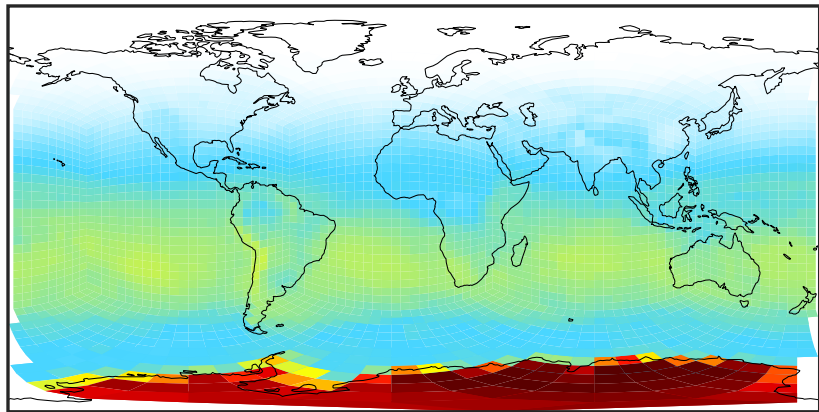


Ratio
Dev/Ref, Fixed Range



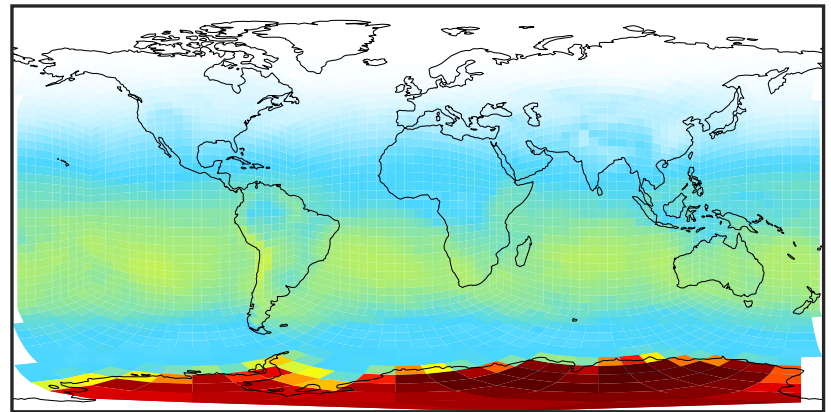
Jval_ITCN (Jan2019)

14.2.0-rc.2 (Ref)
c24



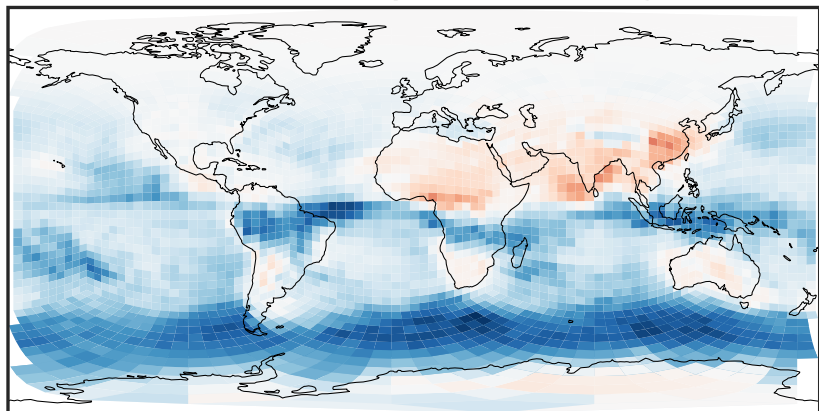
0.00000 0.00004 0.00008 0.00012
s-1

14.3.0-rc.0 (Dev)
c24



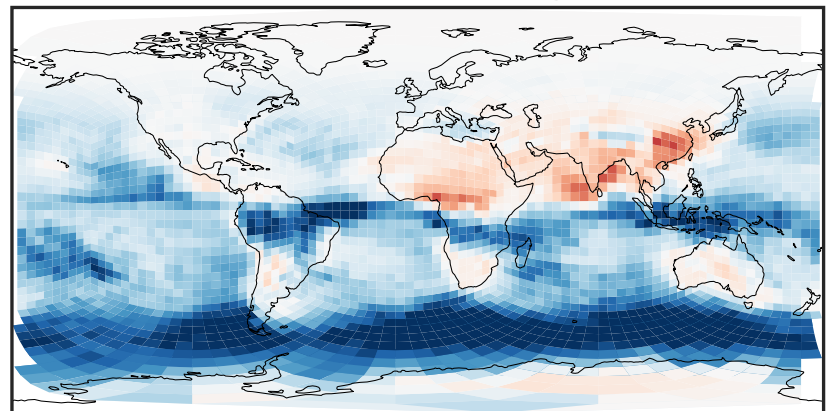
0.00000 0.00004 0.00008 0.00012
s-1

Difference
Dev - Ref, Dynamic Range



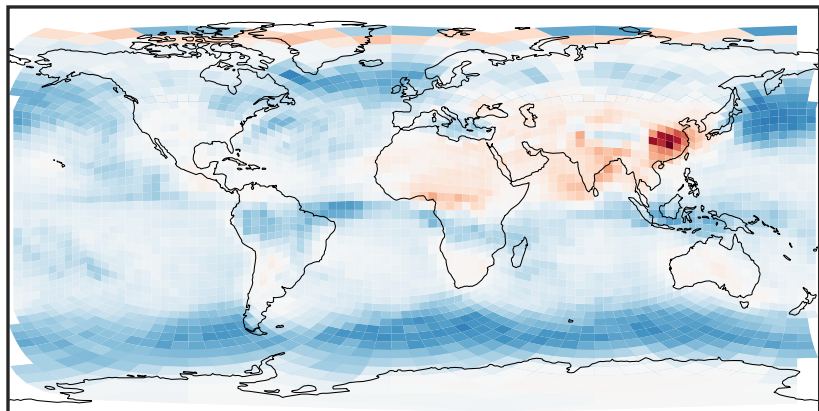
-1.5 0.0 1.5
s-1 1e-6

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



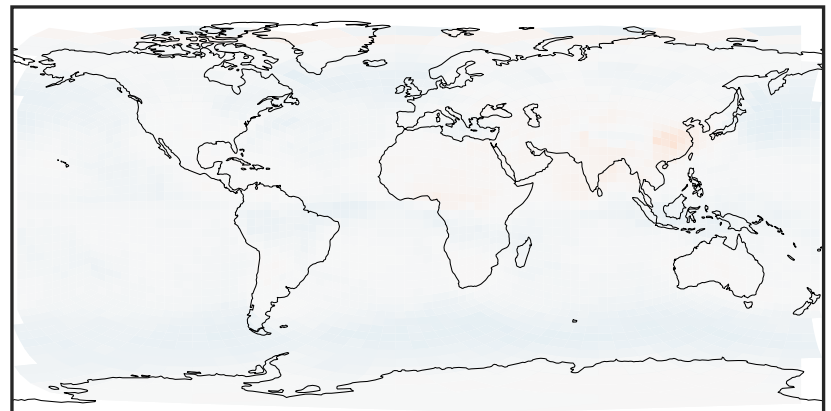
-8 0 8
s-1 1e-7

Ratio
Dev/Ref, Dynamic Range



0.9100 0.9550 1.0000 1.0495 1.0990
unitless

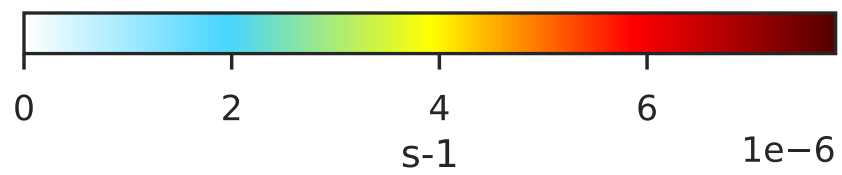
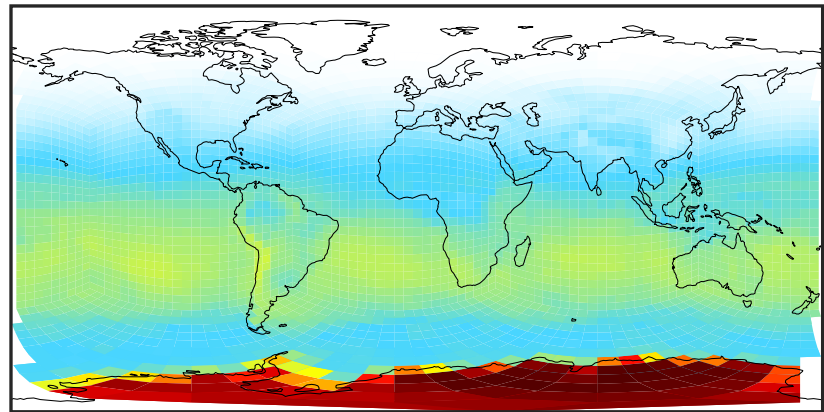
Ratio
Dev/Ref, Fixed Range



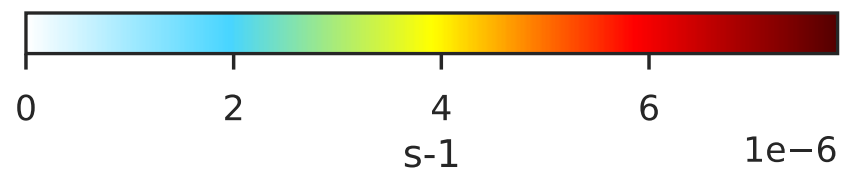
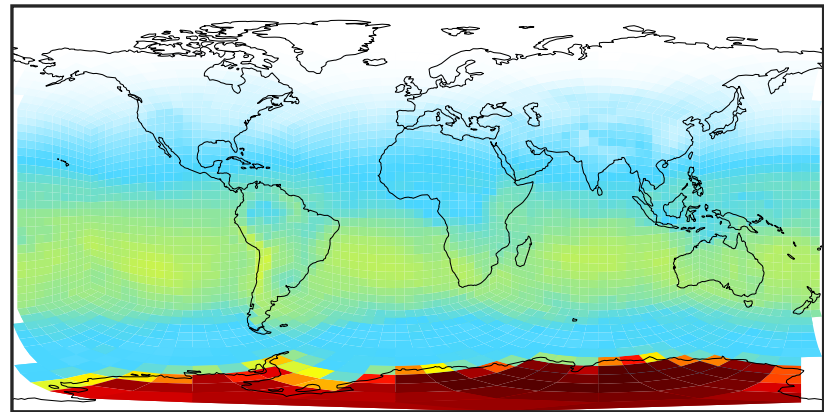
0.50 0.75 1.00 1.50 2.00
unitless

Jval_ITHN (Jan2019)

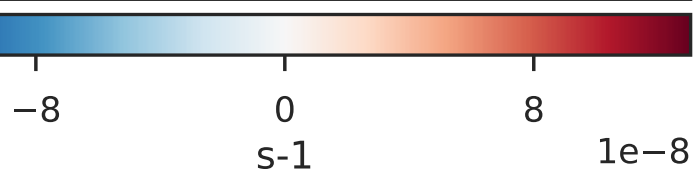
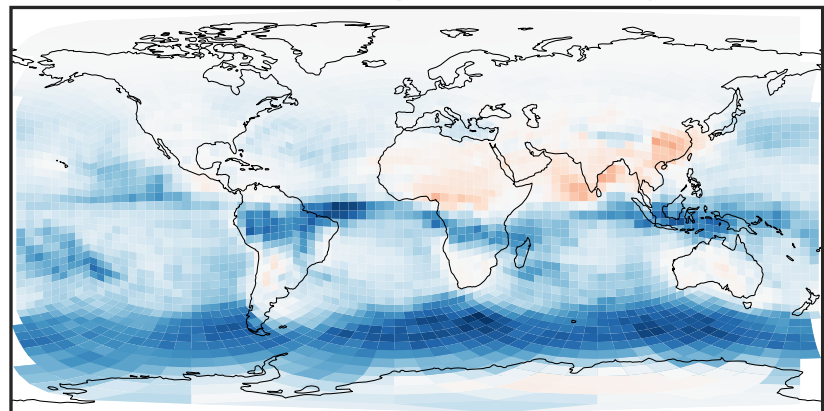
14.2.0-rc.2 (Ref)
c24



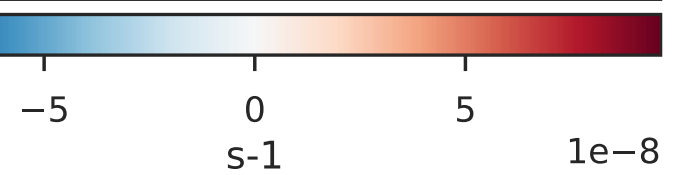
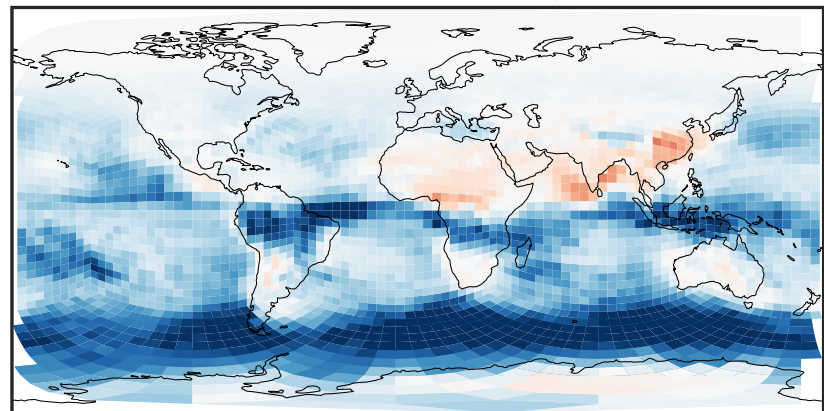
14.3.0-rc.0 (Dev)
c24



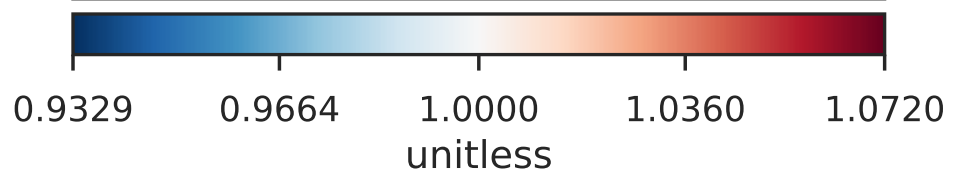
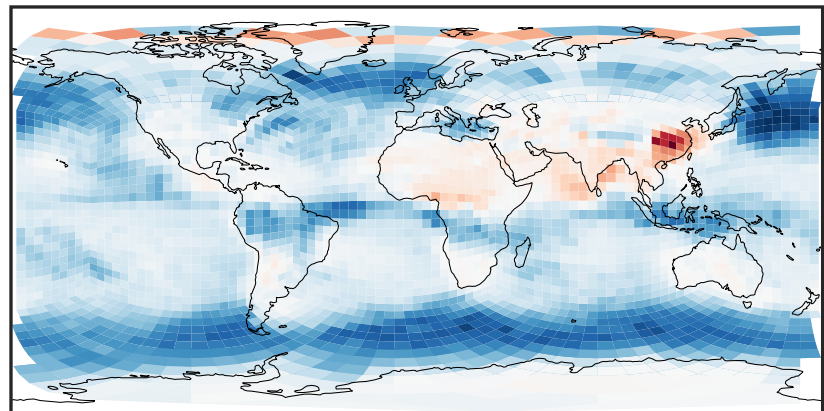
Difference
Dev - Ref, Dynamic Range



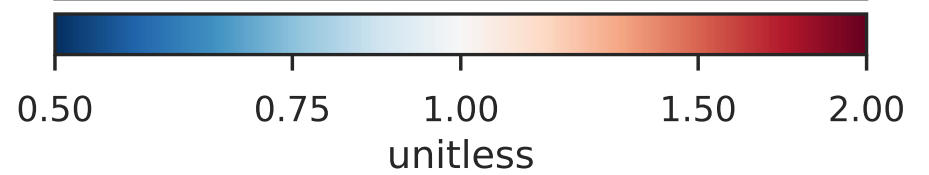
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

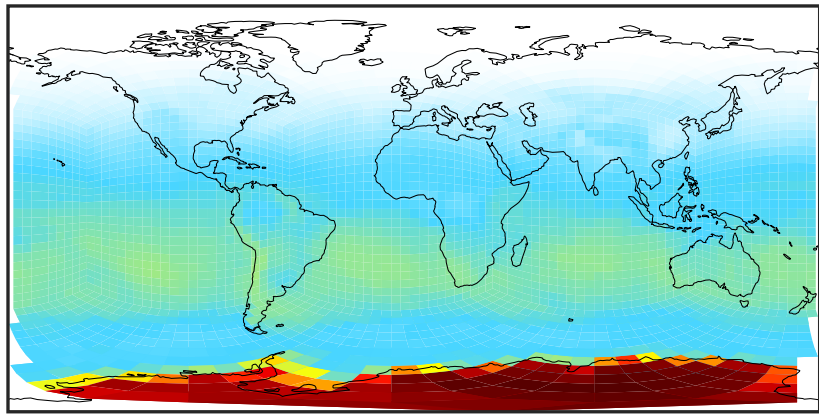


Ratio
Dev/Ref, Fixed Range



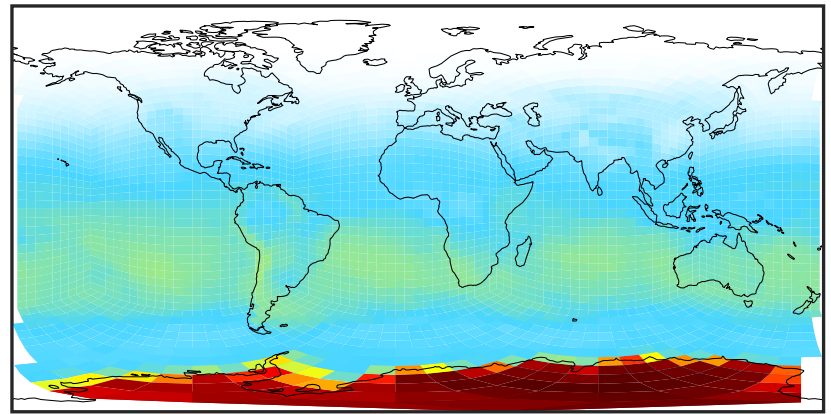
Jval_MACR (Jan2019)

14.2.0-rc.2 (Ref)
c24



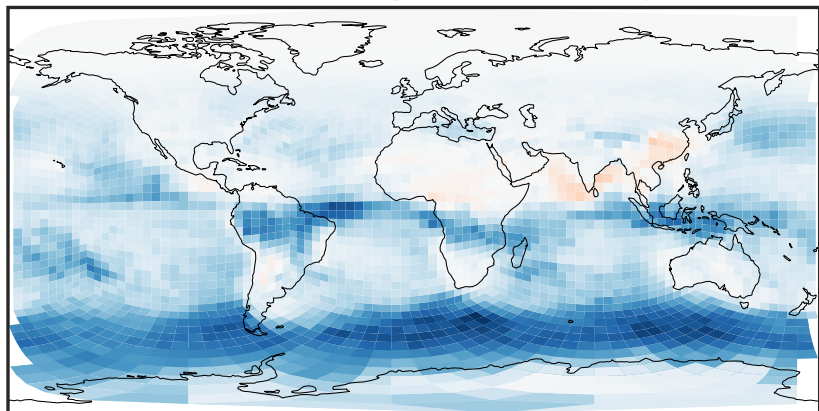
0.0 0.5 1.0 1.5
s-1 $1e-6$

14.3.0-rc.0 (Dev)
c24



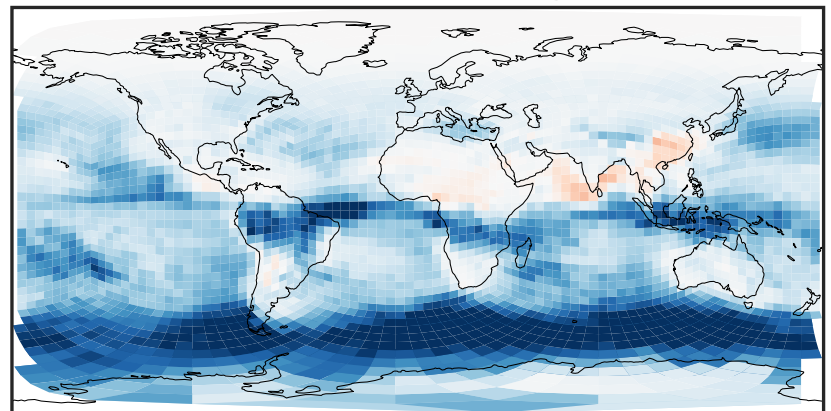
0.0 0.5 1.0 1.5
s-1 $1e-6$

Difference
Dev - Ref, Dynamic Range



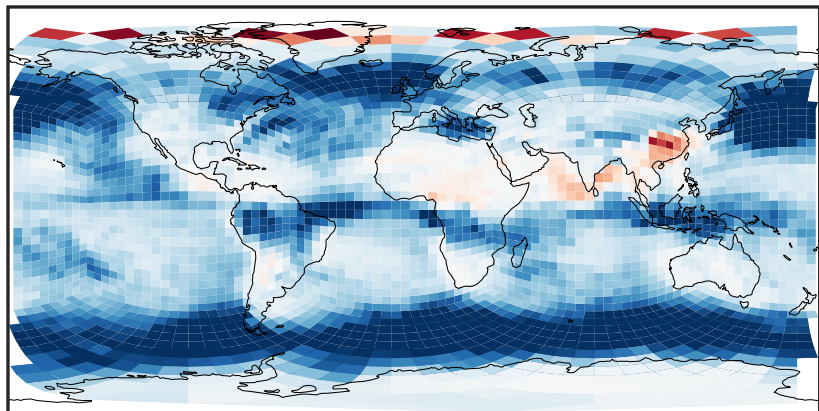
-1.5 0.0 1.5
s-1 $1e-8$

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



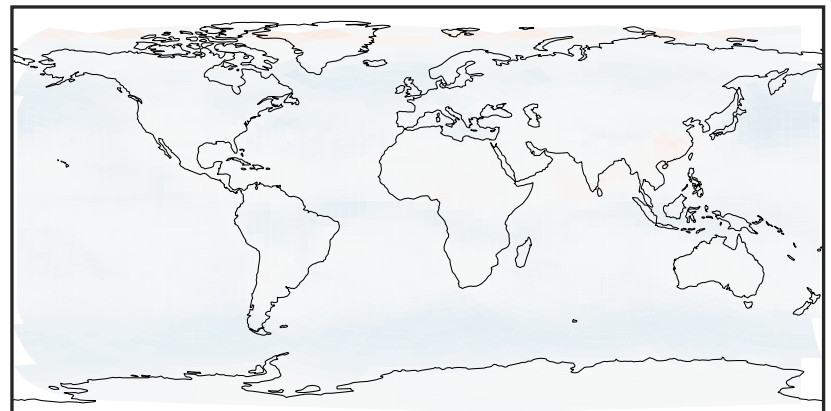
-1.5 0.0 1.5
s-1 $1e-8$

Ratio
Dev/Ref, Dynamic Range



0.95681 0.97841 1.00000 1.02257 1.04514
unitless

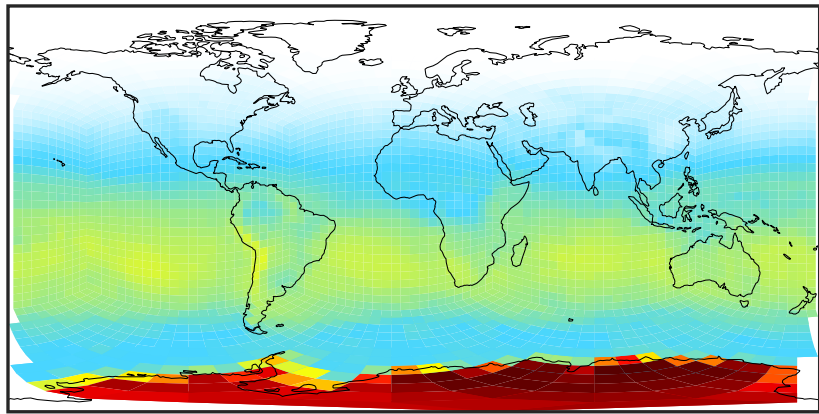
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

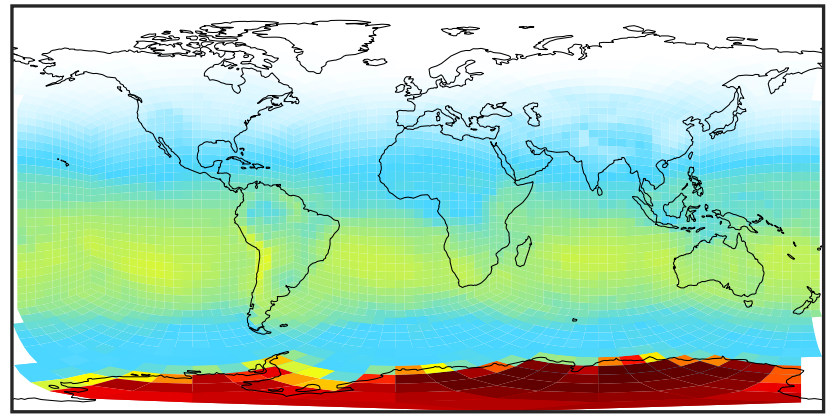
Jval_MACR100H (Jan2019)

14.2.0-rc.2 (Ref)
c24



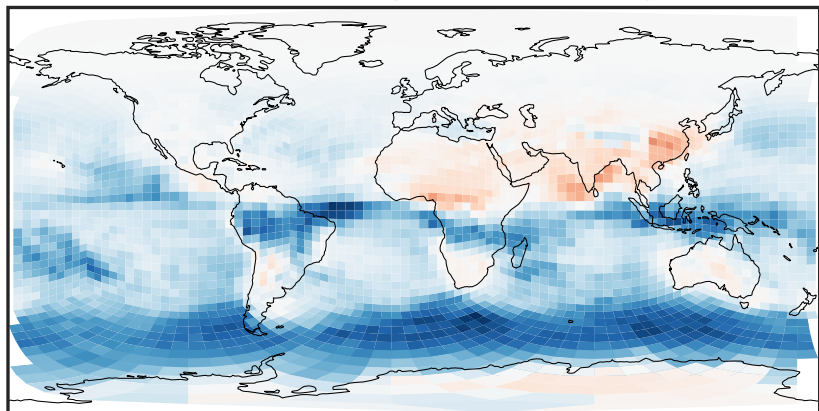
0.0 1.5 3.0 4.5
s-1 $1e-5$

14.3.0-rc.0 (Dev)
c24



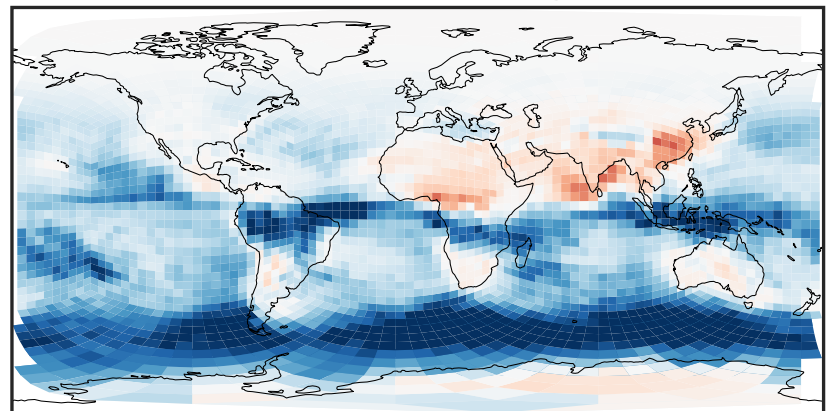
0.0 1.5 3.0 4.5
s-1 $1e-5$

Difference
Dev - Ref, Dynamic Range



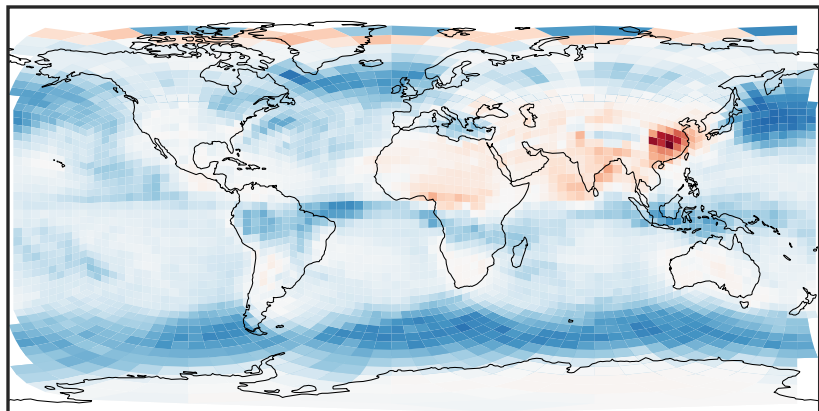
-5 0 5
s-1 $1e-7$

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



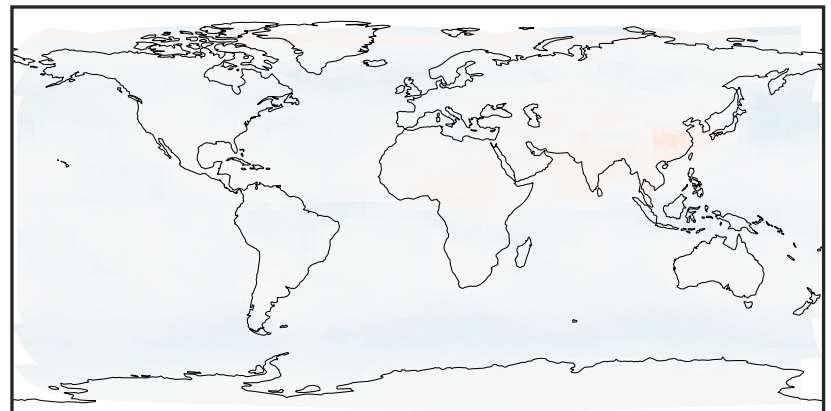
-3 0 3
s-1 $1e-7$

Ratio
Dev/Ref, Dynamic Range



0.9182 0.9591 1.0000 1.0445 1.0891
unitless

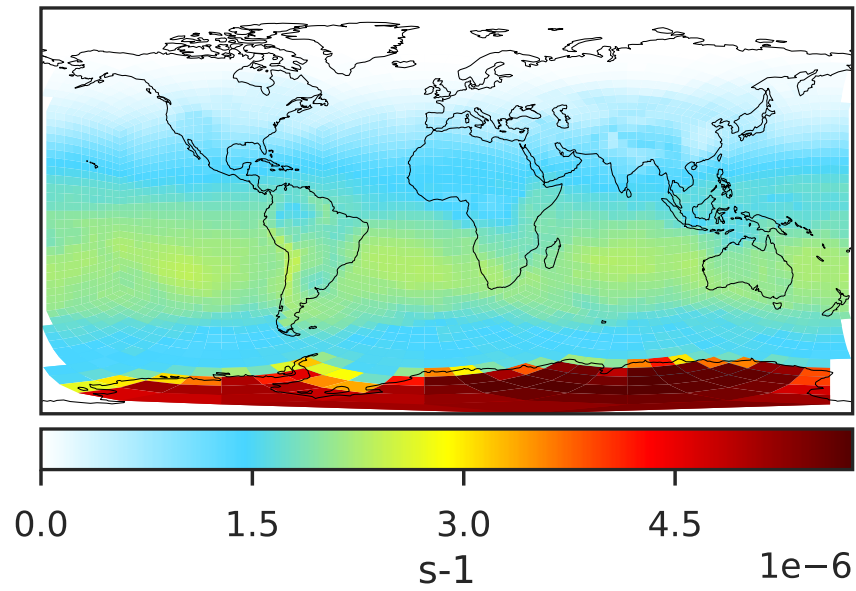
Ratio
Dev/Ref, Fixed Range



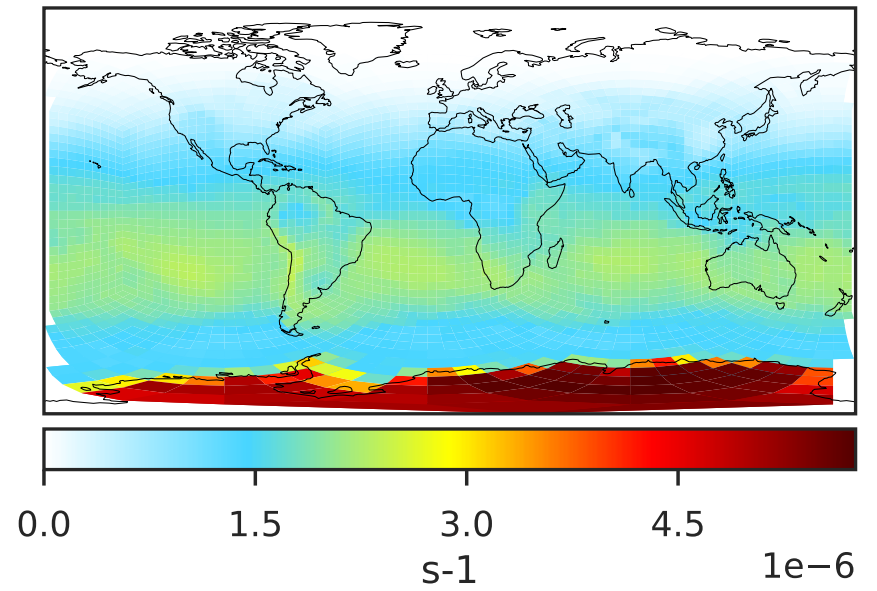
0.50 0.75 1.00 1.50 2.00
unitless

Jval_MAP (Jan2019)

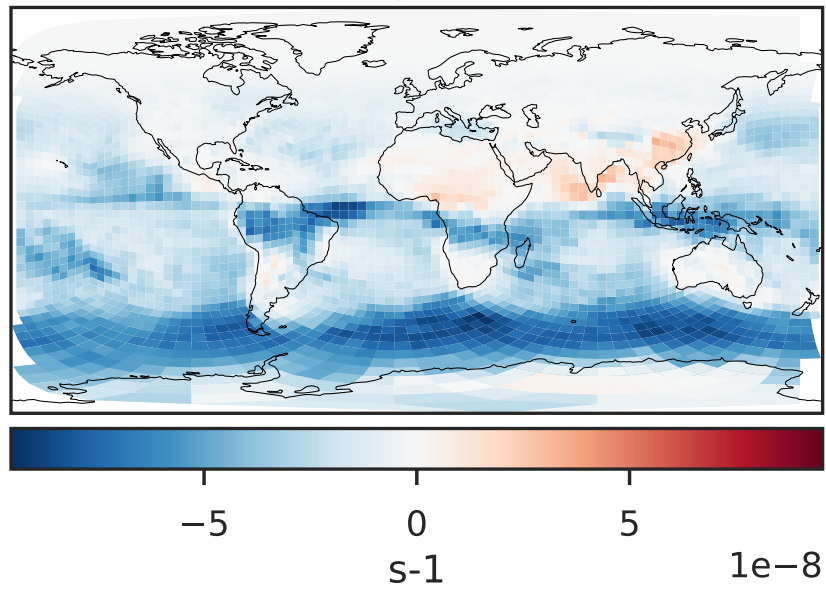
14.2.0-rc.2 (Ref)
c24



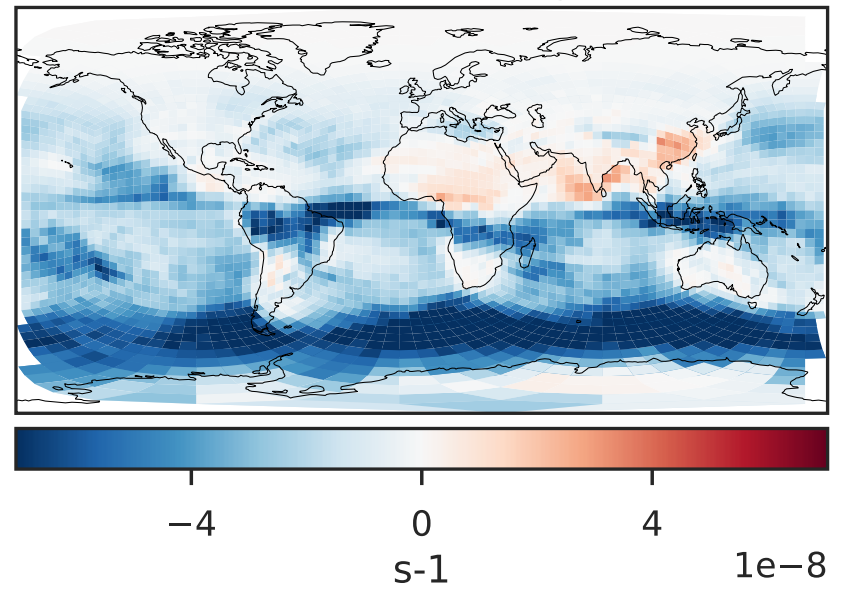
14.3.0-rc.0 (Dev)
c24



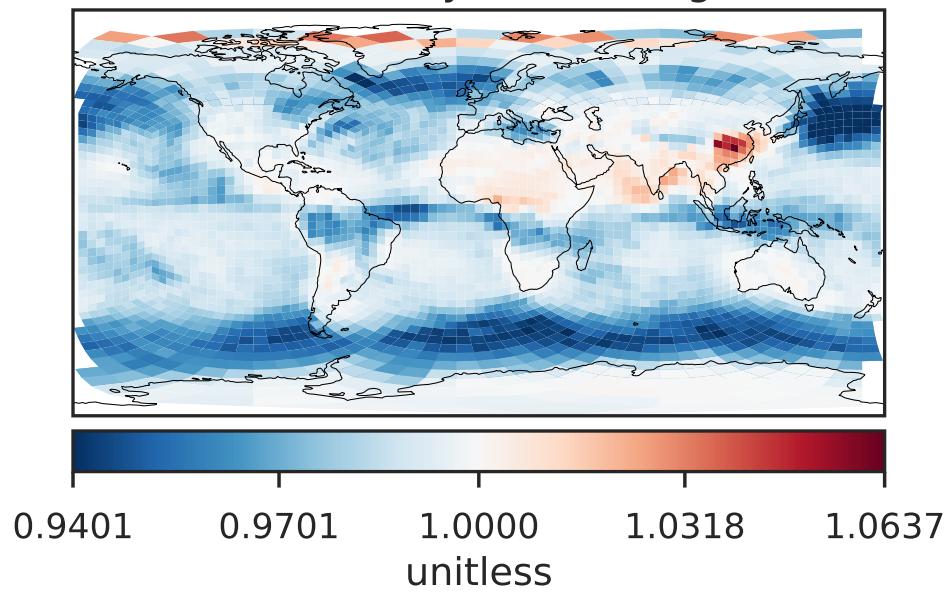
Difference
Dev - Ref, Dynamic Range



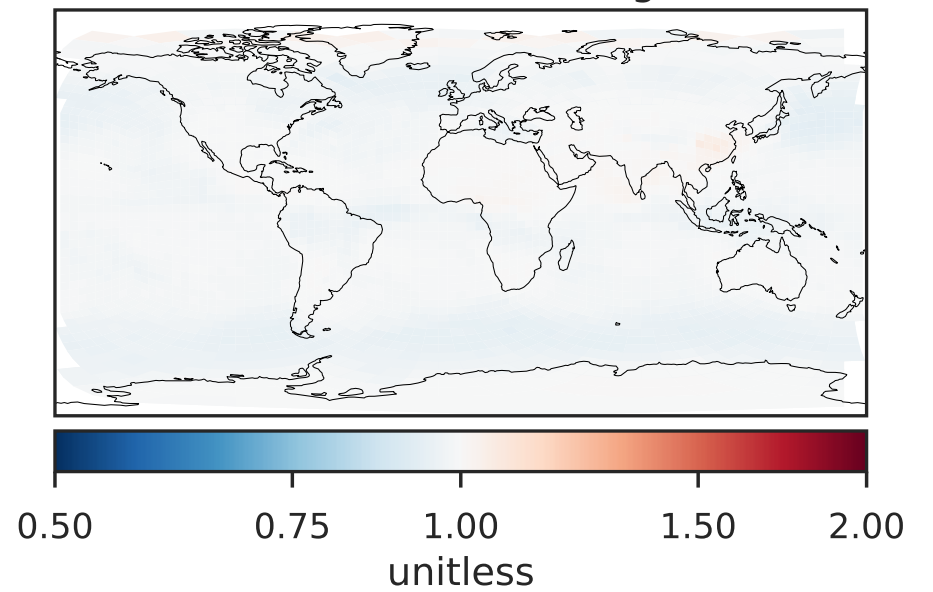
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

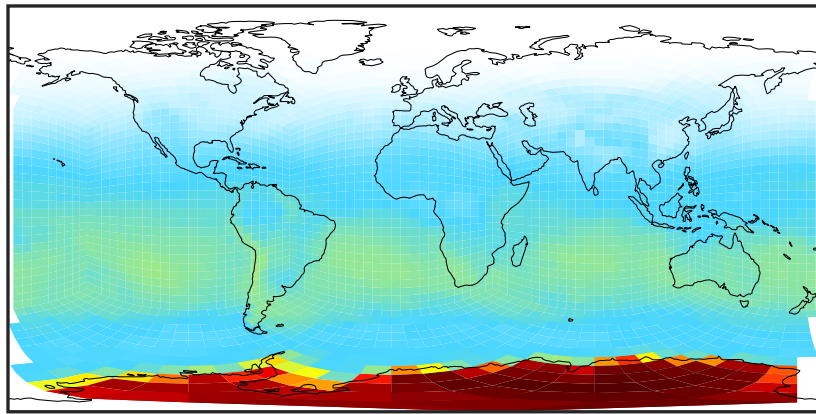


Ratio
Dev/Ref, Fixed Range



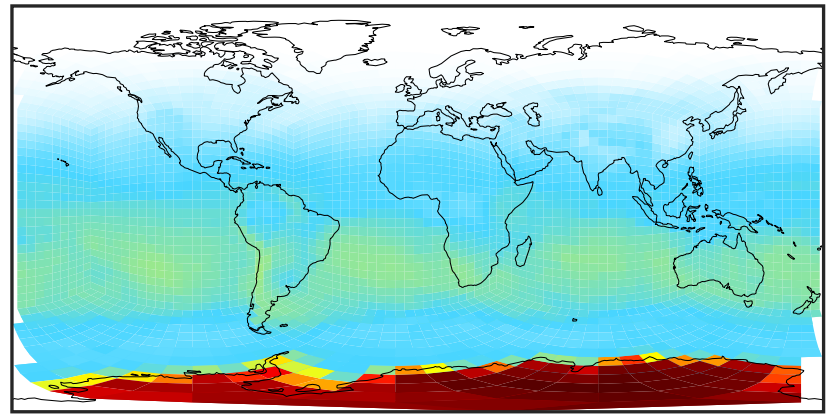
Jval_MCRENOL (Jan2019)

14.2.0-rc.2 (Ref)
c24



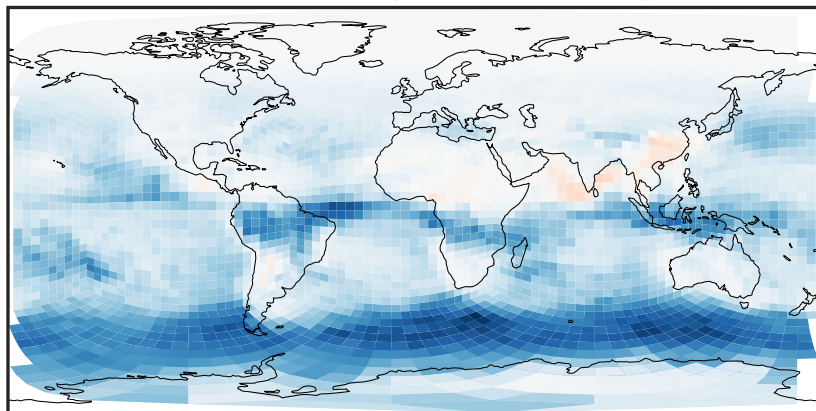
0.0000 0.0001 0.0002 0.0003
s-1

14.3.0-rc.0 (Dev)
c24



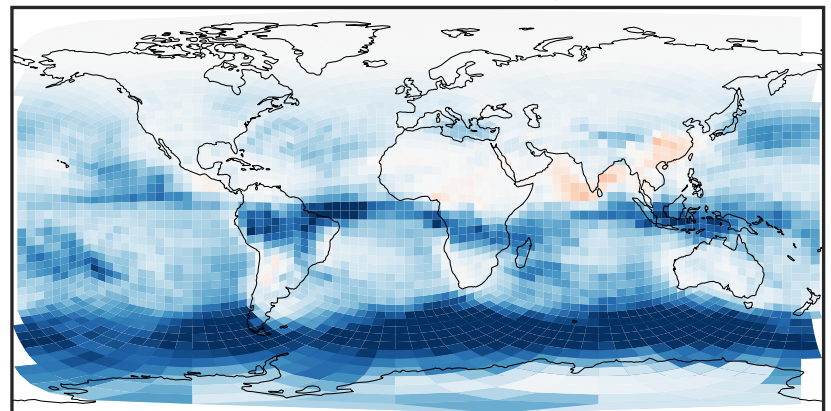
0.0000 0.0001 0.0002 0.0003
s-1

Difference
Dev - Ref, Dynamic Range



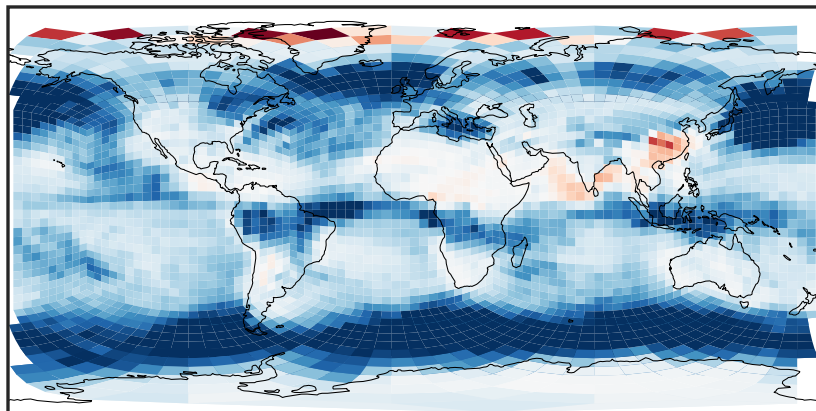
-3 0 3
s-1 1e-6

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



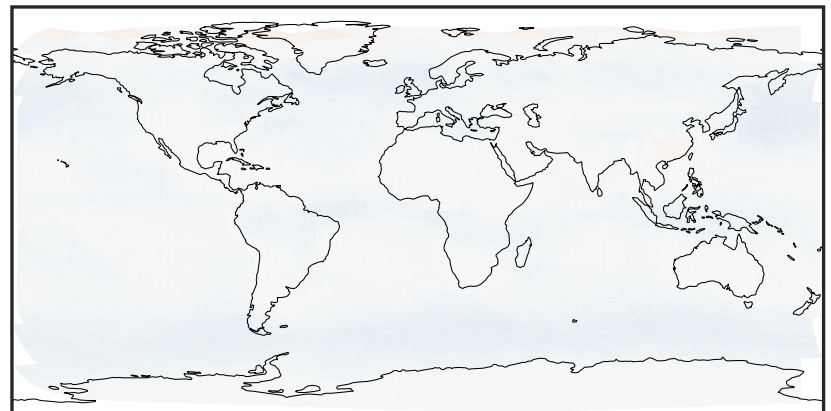
-2.5 0.0 2.5
s-1 1e-6

Ratio
Dev/Ref, Dynamic Range



0.95535 0.97768 1.00000 1.02337 1.04673
unitless

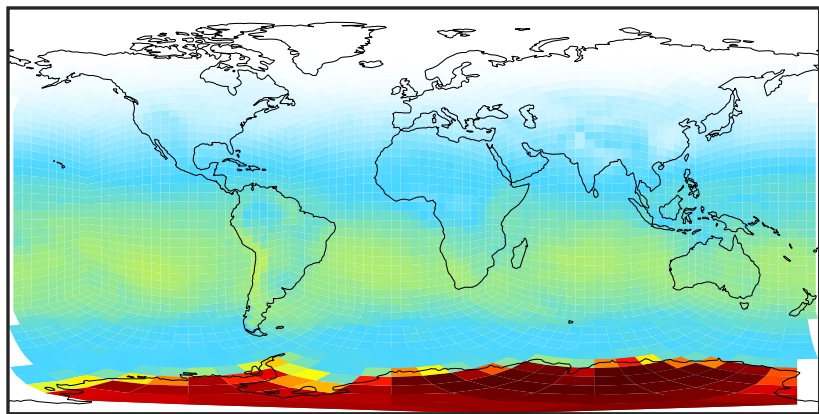
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

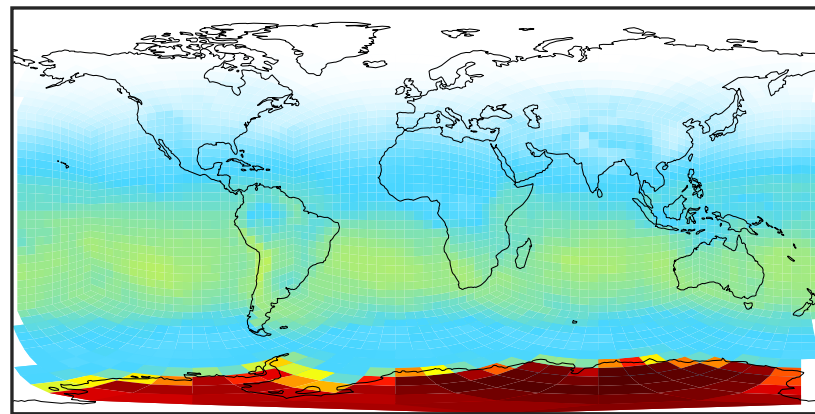
Jval_MCRHN (Jan2019)

14.2.0-rc.2 (Ref)
c24



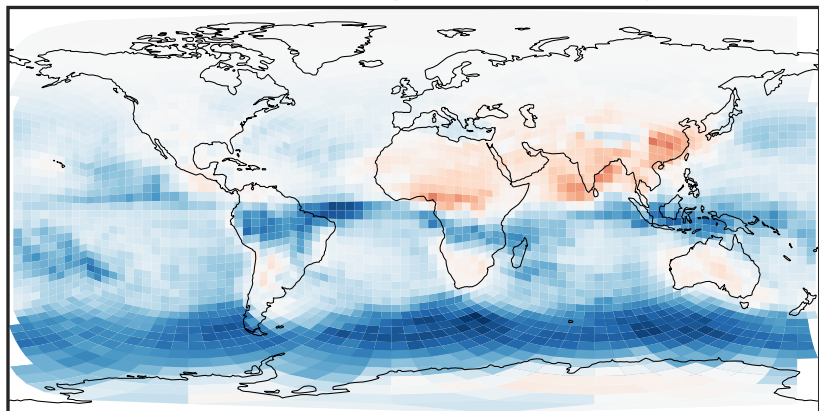
0.0000 0.0001 0.0002 0.0003
s-1

14.3.0-rc.0 (Dev)
c24



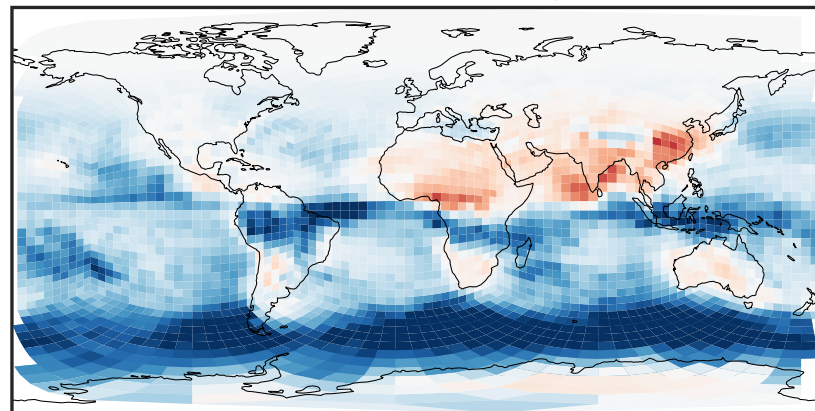
0.0000 0.0001 0.0002 0.0003
s-1

Difference
Dev - Ref, Dynamic Range



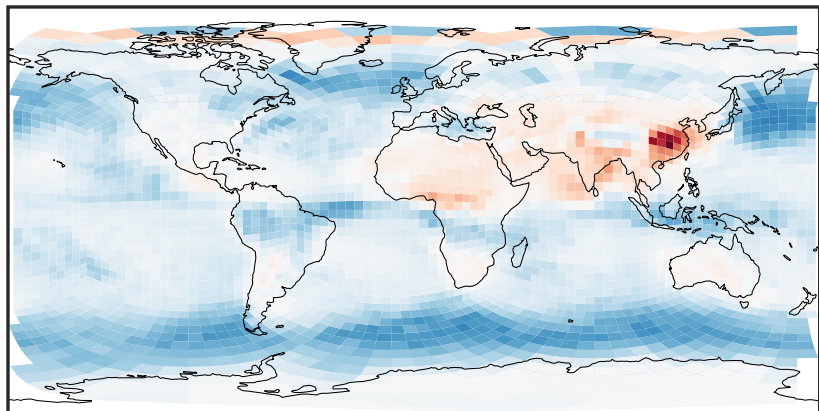
-3 0 3
s-1 $1e-6$

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



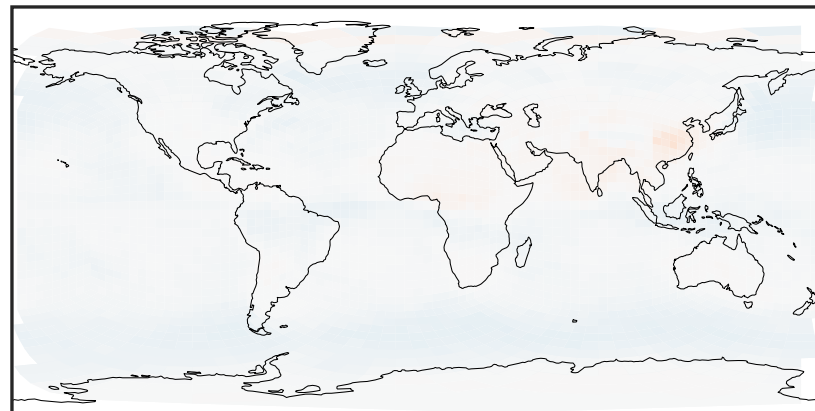
-2.5 0.0 2.5
s-1 $1e-6$

Ratio
Dev/Ref, Dynamic Range



0.9068 0.9534 1.0000 1.0514 1.1028
unitless

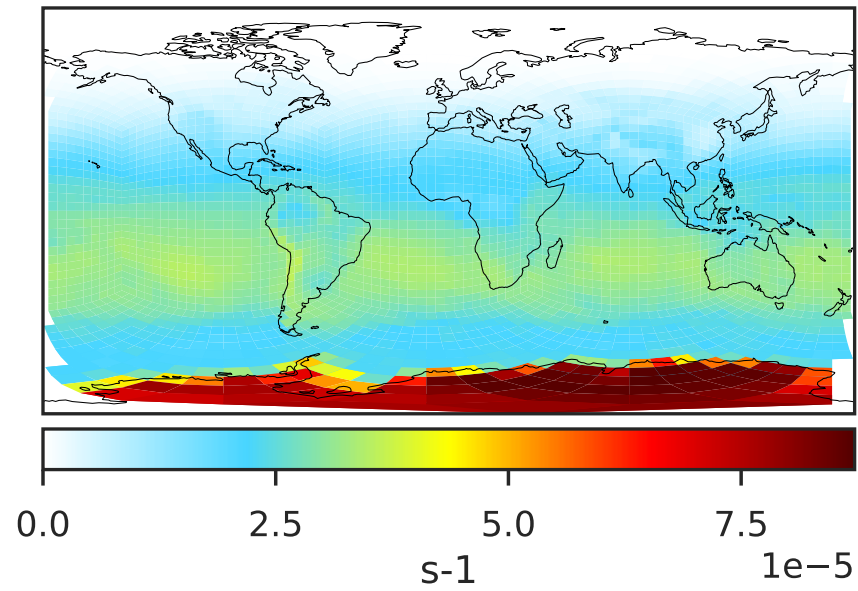
Ratio
Dev/Ref, Fixed Range



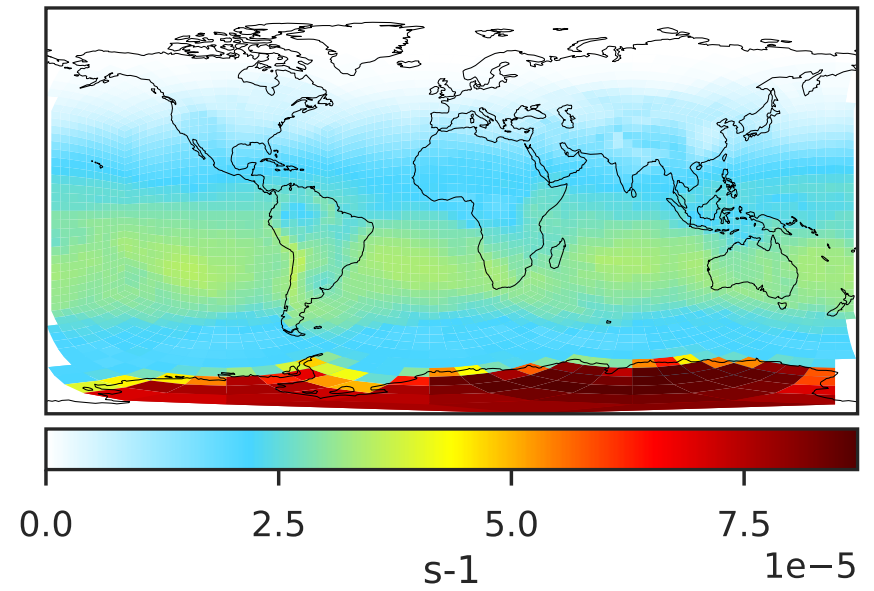
0.50 0.75 1.00 1.50 2.00
unitless

Jval_MCRHNB (Jan2019)

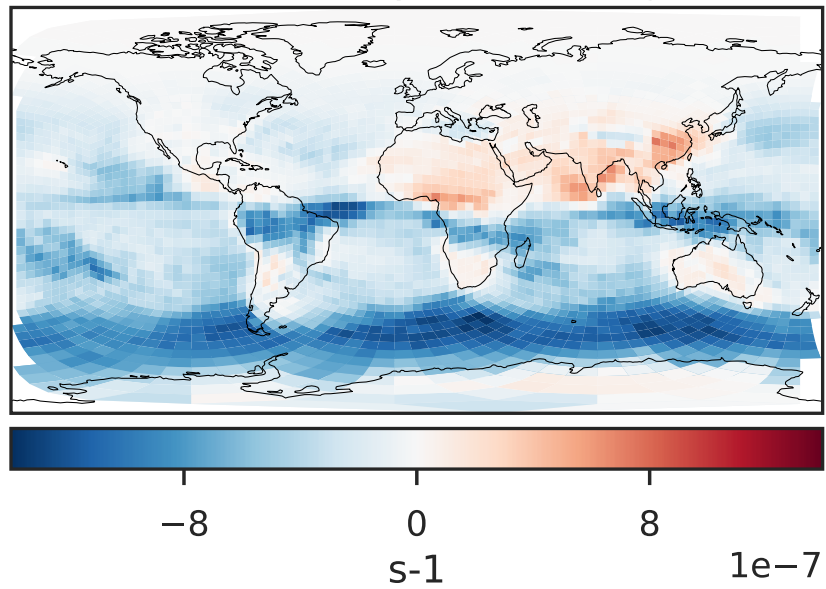
14.2.0-rc.2 (Ref)
c24



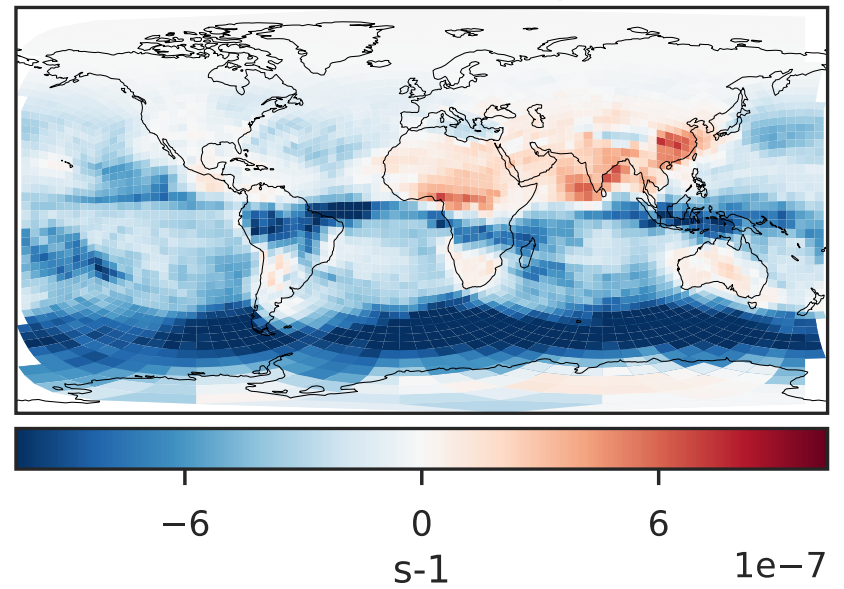
14.3.0-rc.0 (Dev)
c24



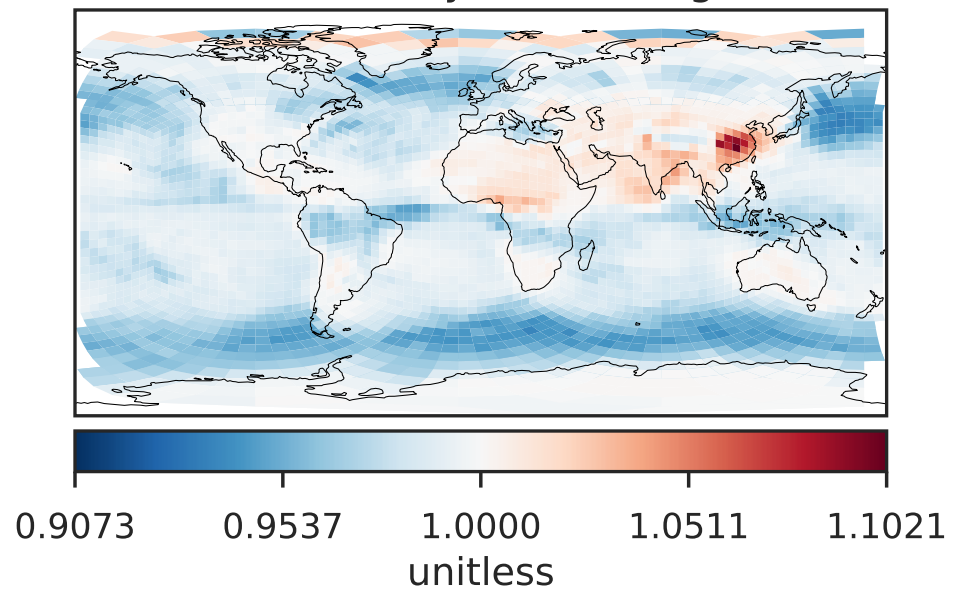
Difference
Dev - Ref, Dynamic Range



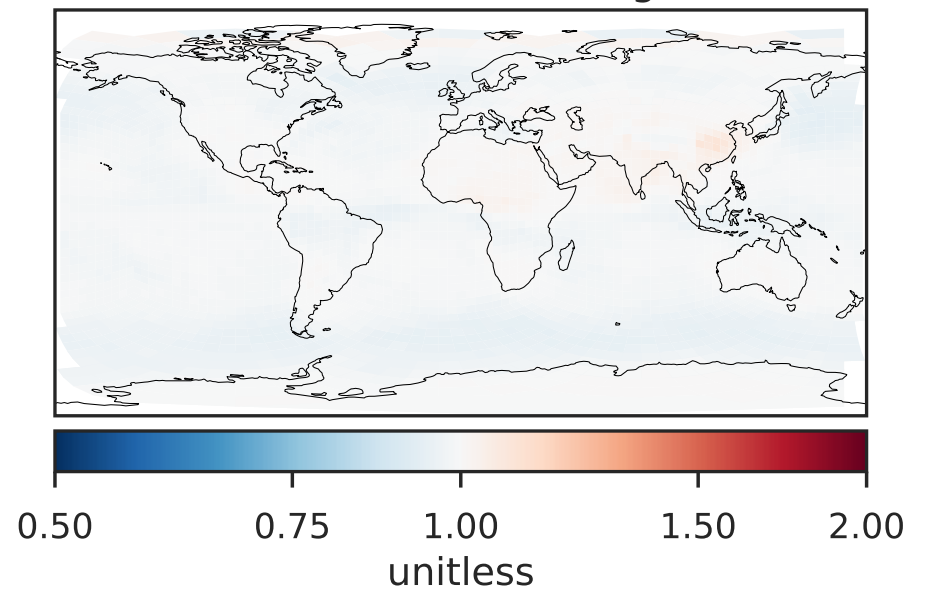
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

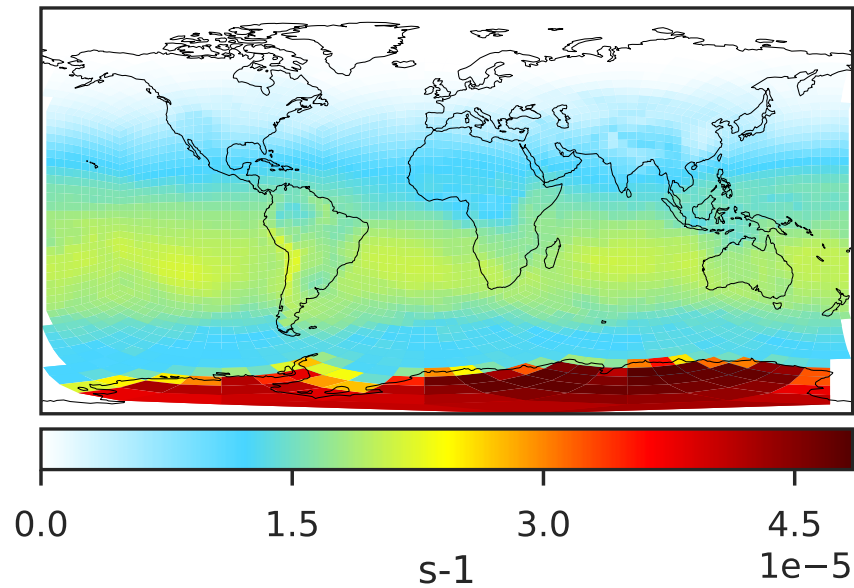


Ratio
Dev/Ref, Fixed Range

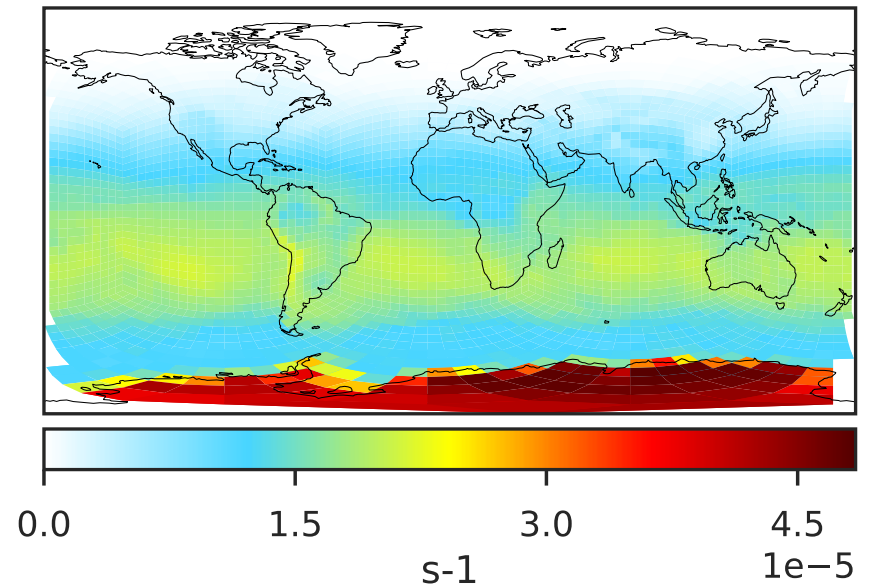


Jval_MCRHP (Jan2019)

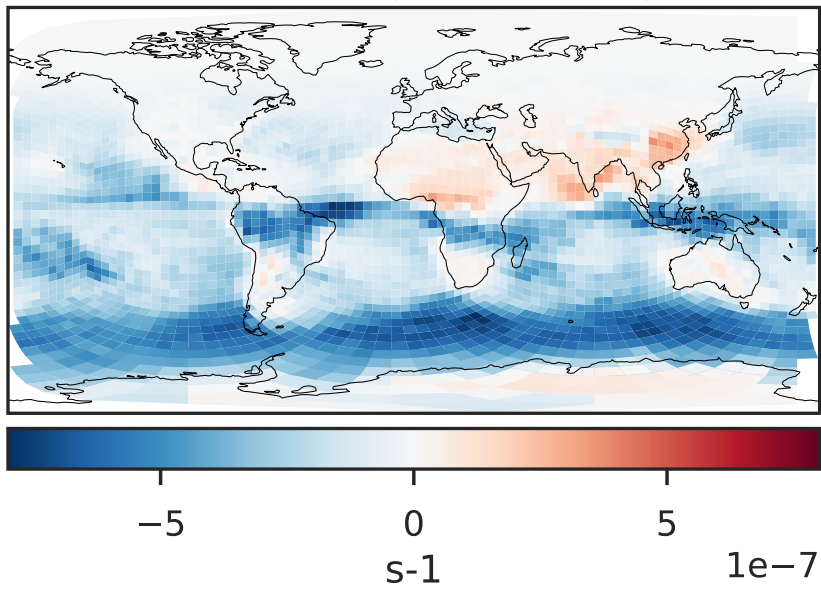
14.2.0-rc.2 (Ref)
c24



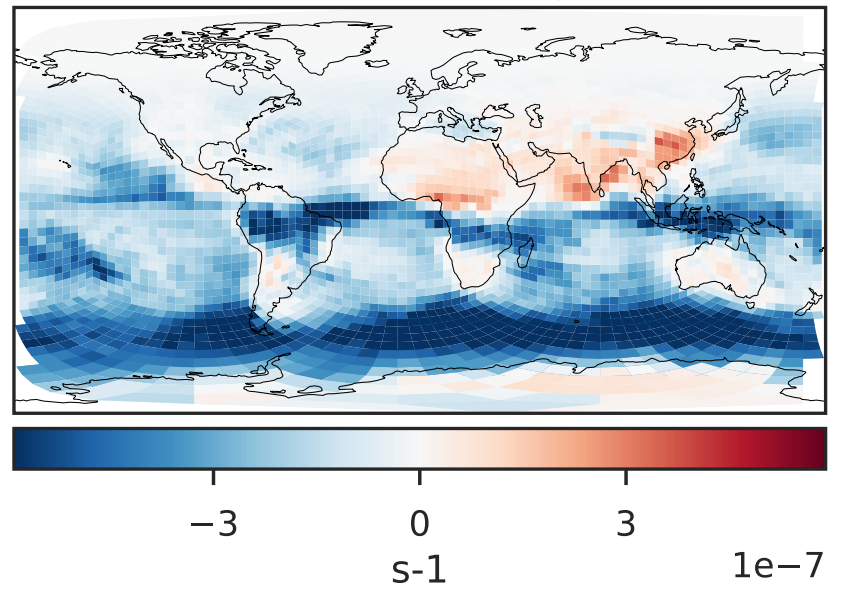
14.3.0-rc.0 (Dev)
c24



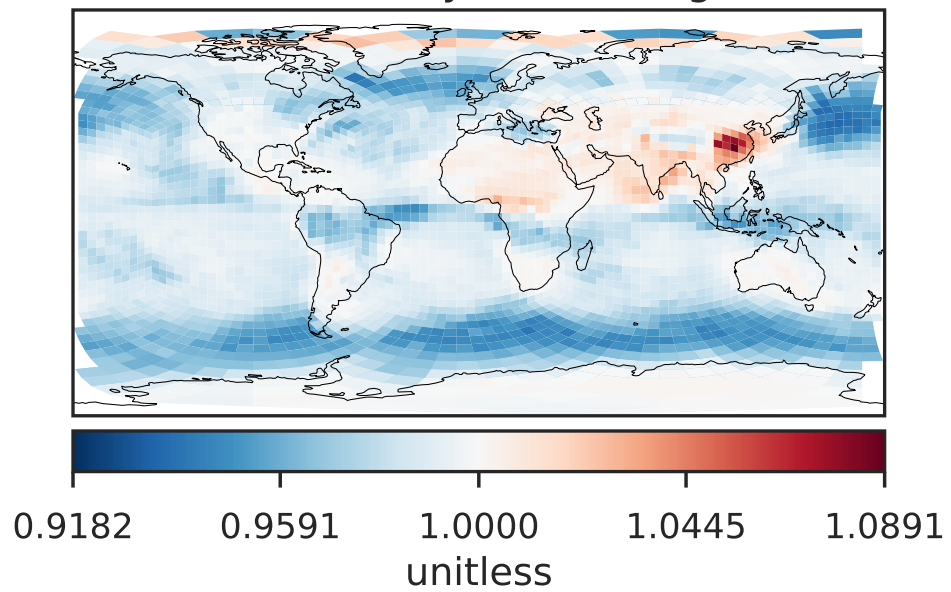
Difference
Dev - Ref, Dynamic Range



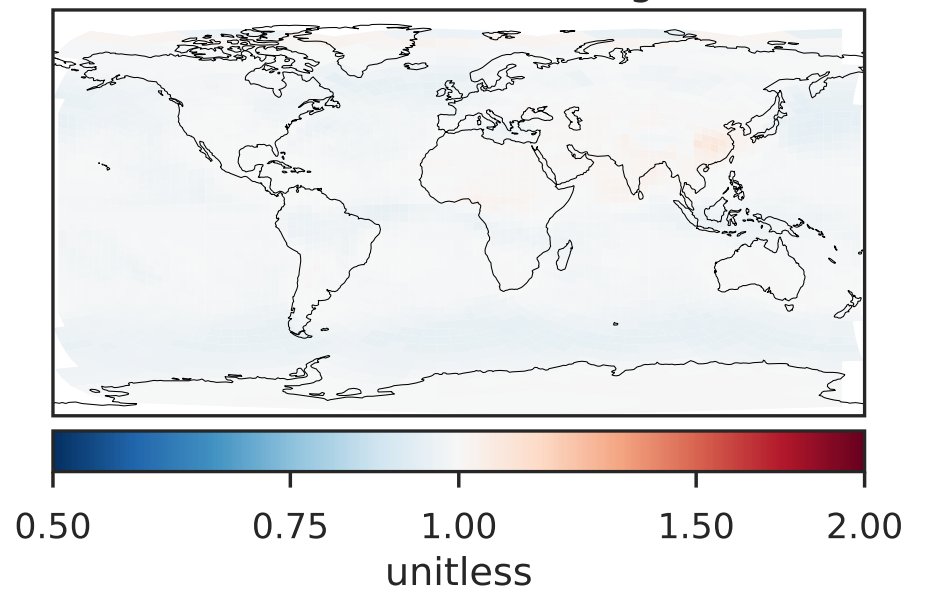
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

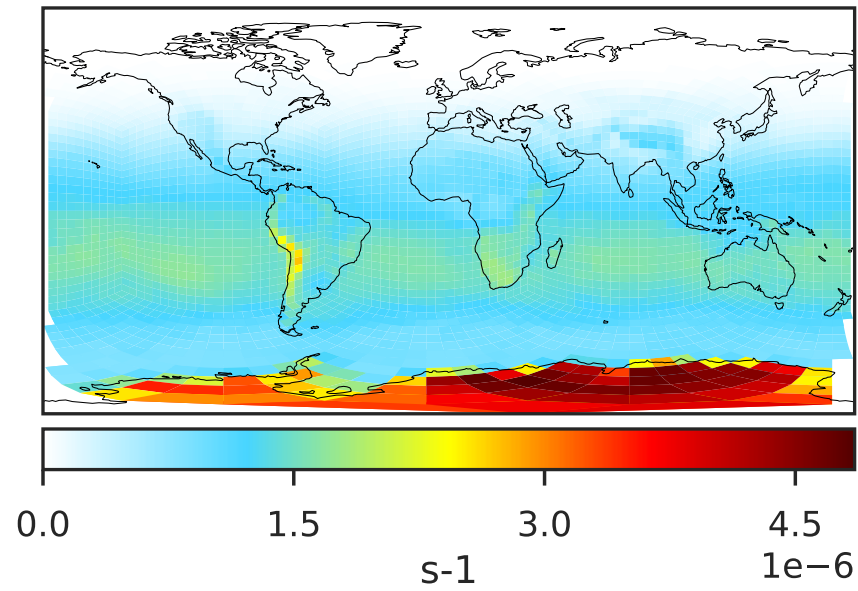


Ratio
Dev/Ref, Fixed Range

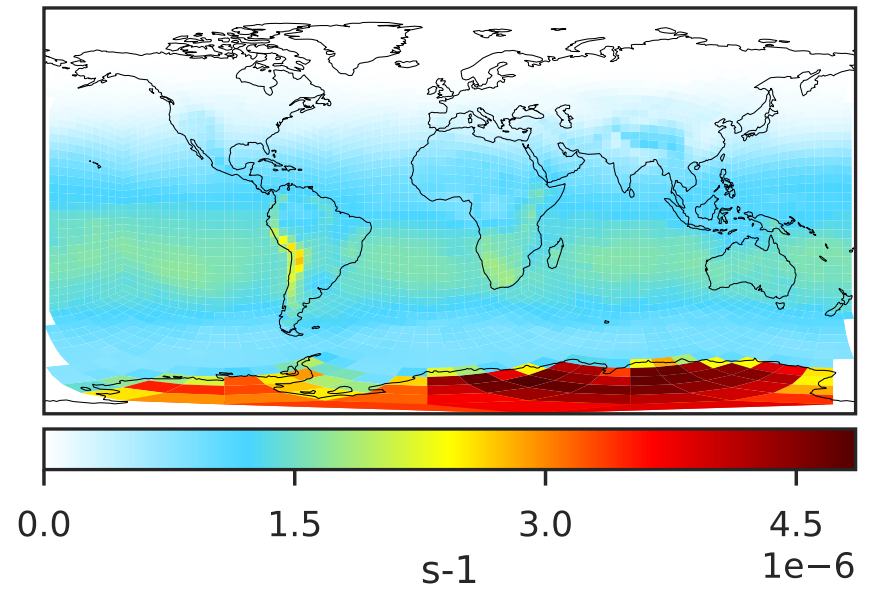


Jval_MEK (Jan2019)

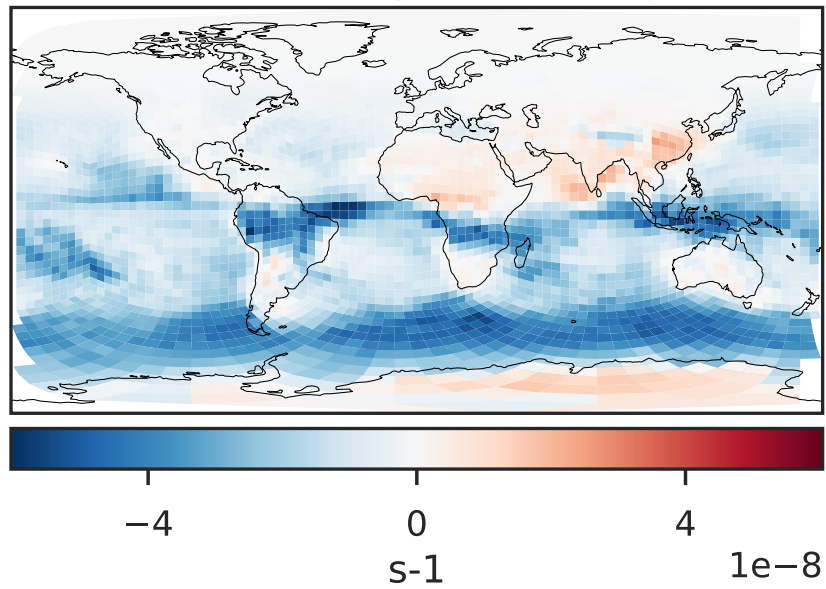
14.2.0-rc.2 (Ref)
c24



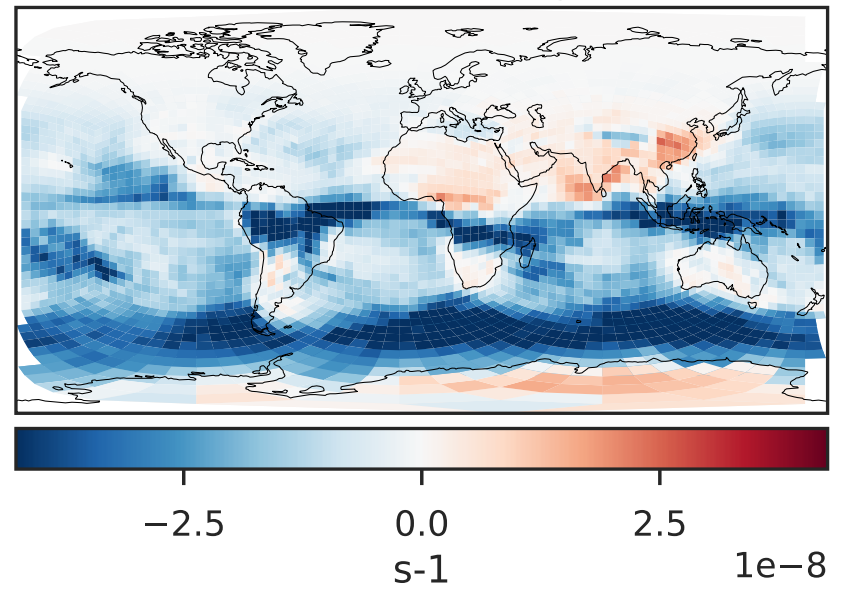
14.3.0-rc.0 (Dev)
c24



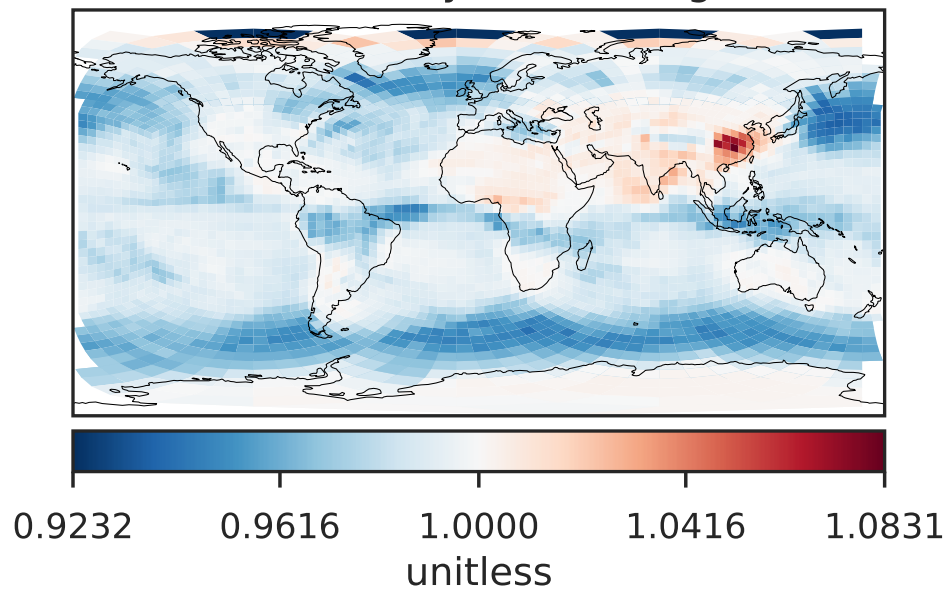
Difference
Dev - Ref, Dynamic Range



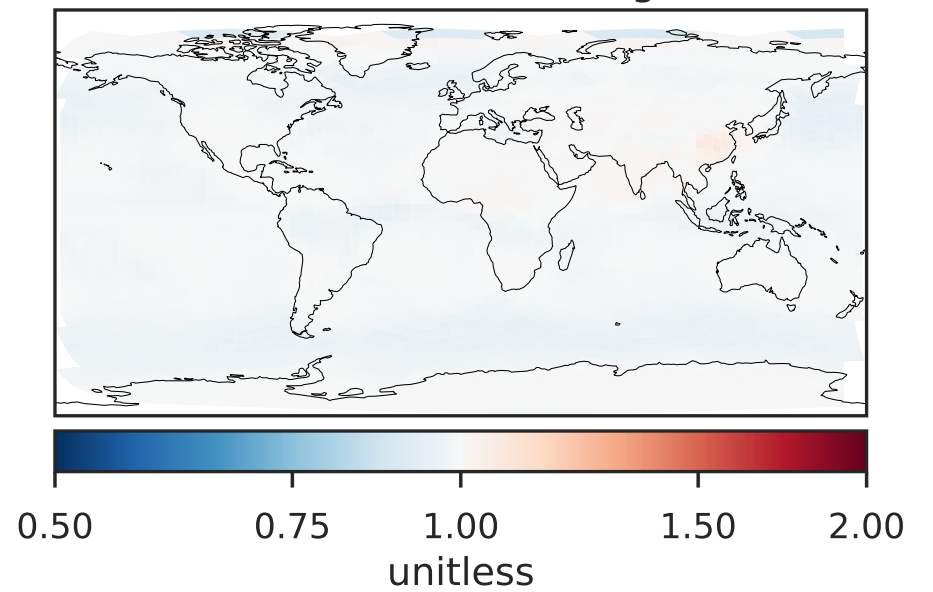
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

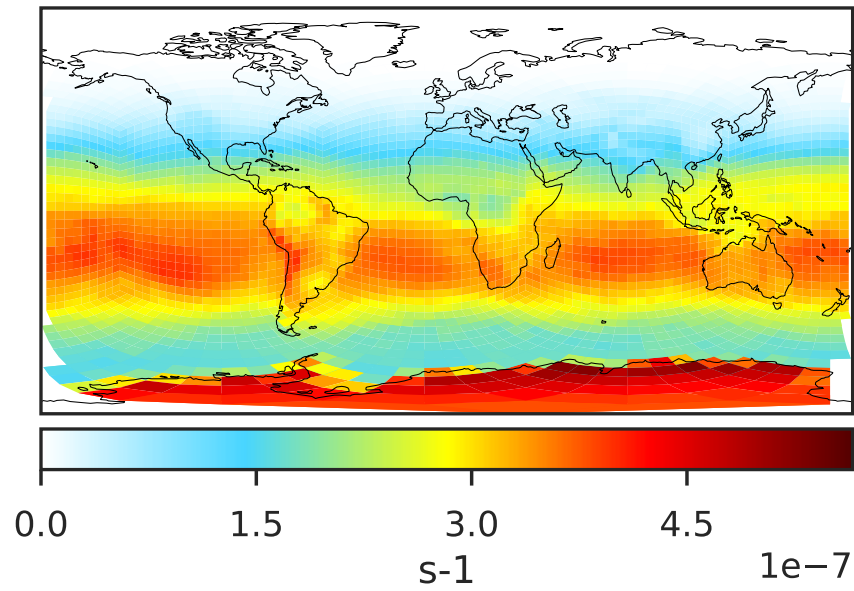


Ratio
Dev/Ref, Fixed Range

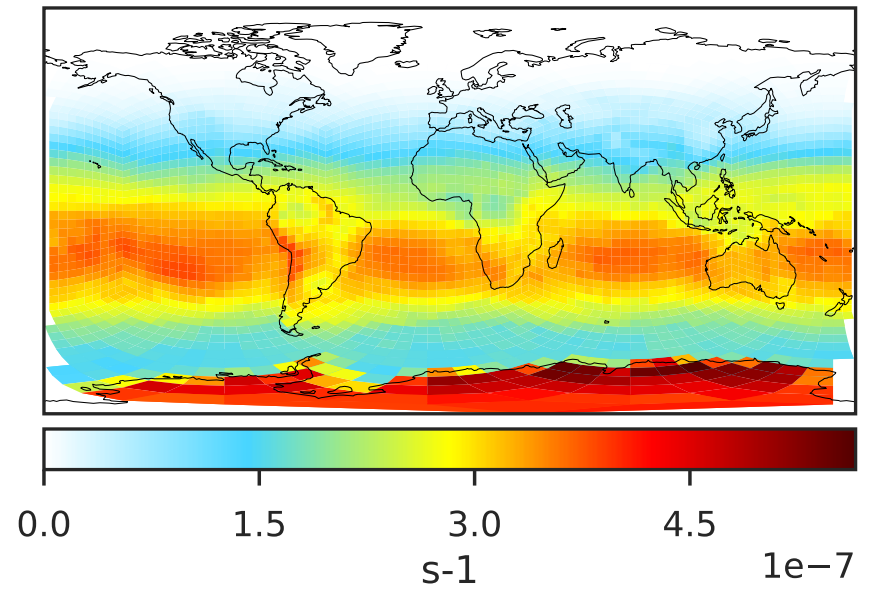


Jval_MENO3 (Jan2019)

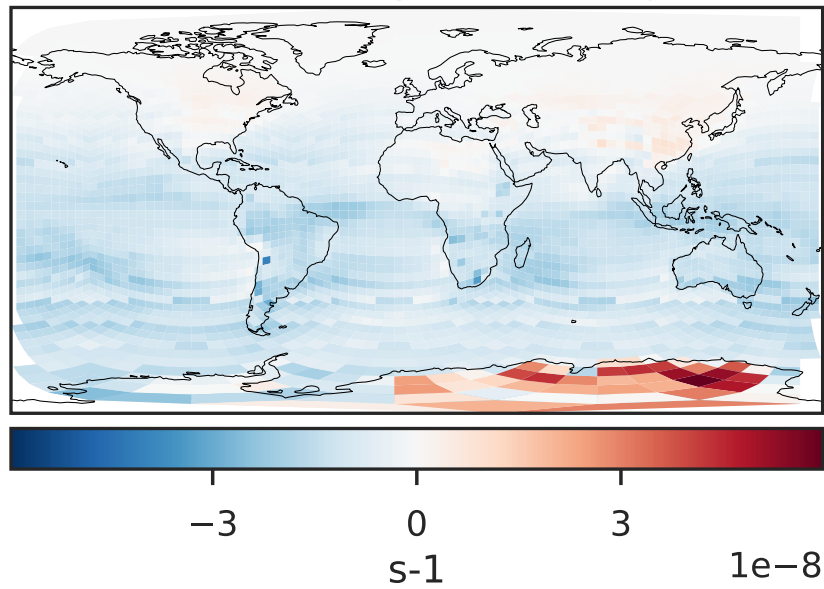
14.2.0-rc.2 (Ref)
c24



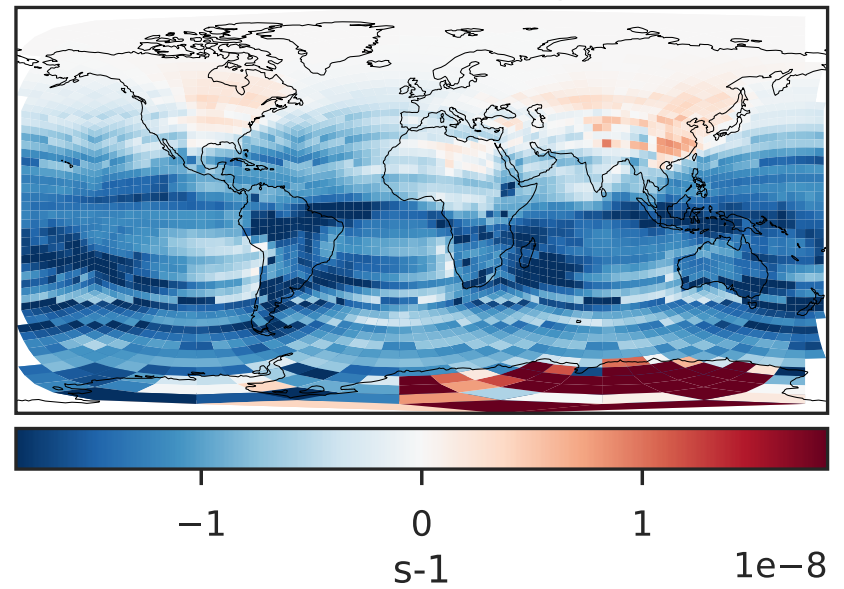
14.3.0-rc.0 (Dev)
c24



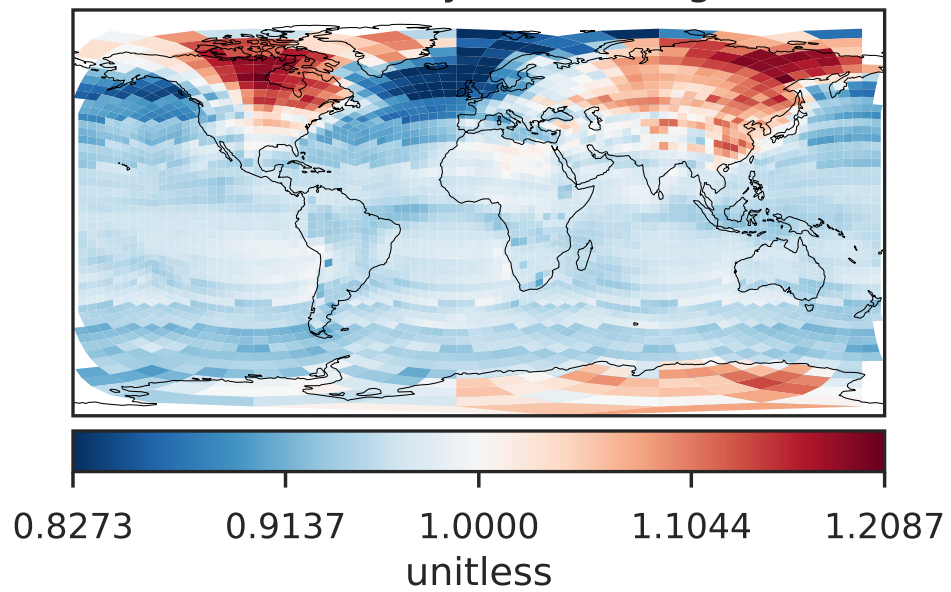
Difference
Dev - Ref, Dynamic Range



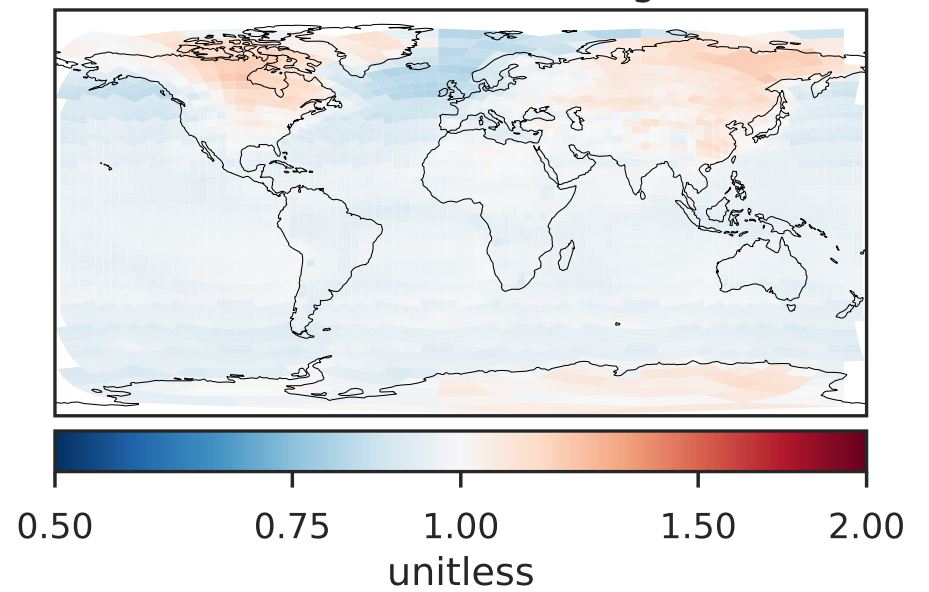
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

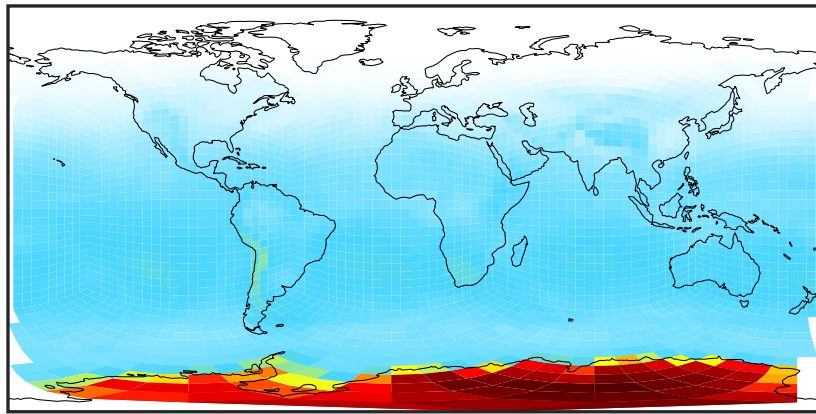


Ratio
Dev/Ref, Fixed Range



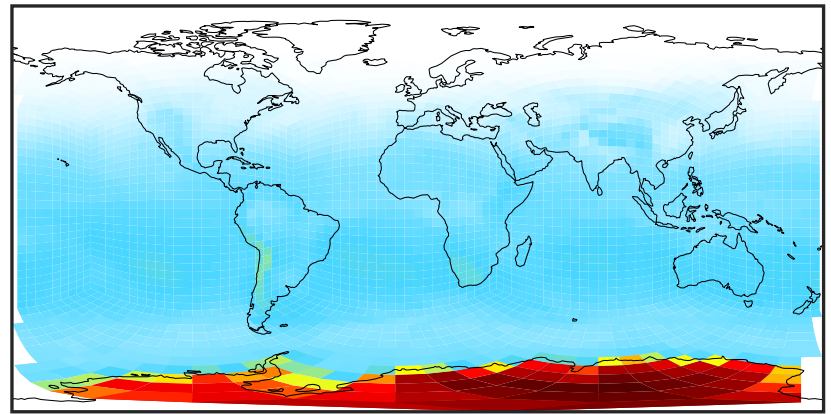
Jval_MGLY (Jan2019)

14.2.0-rc.2 (Ref)
c24



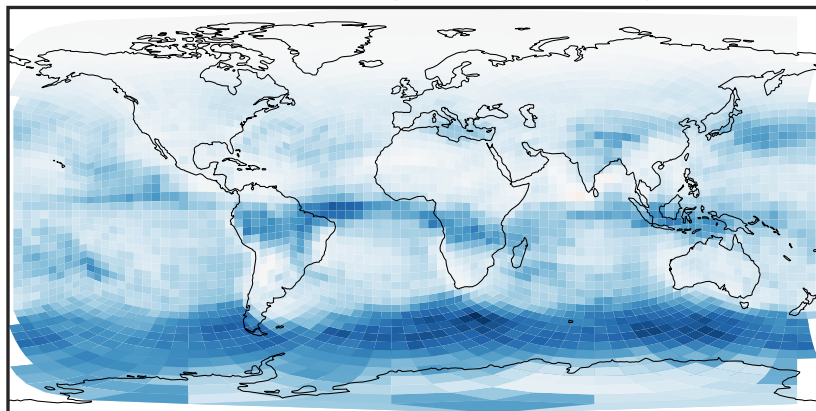
0.00000 0.00008 0.00016 0.00024
s-1

14.3.0-rc.0 (Dev)
c24



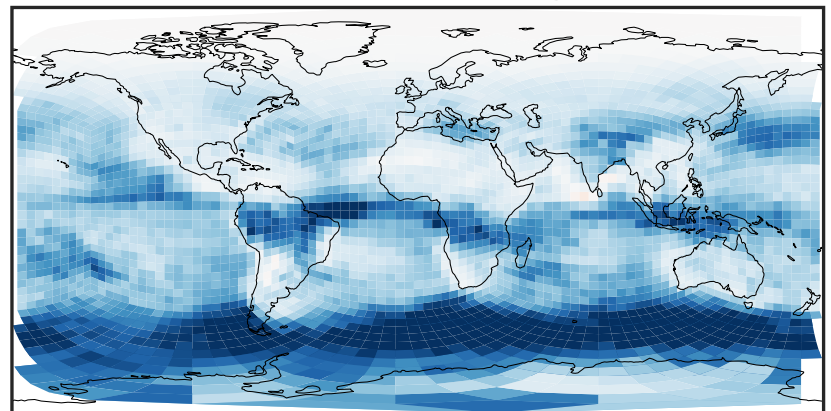
0.00000 0.00008 0.00016 0.00024
s-1

Difference
Dev - Ref, Dynamic Range



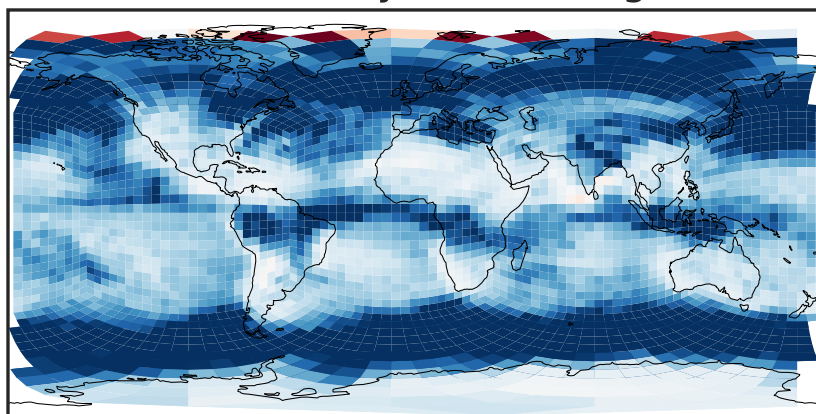
-2.5 0.0 2.5
s-1 1e-6

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



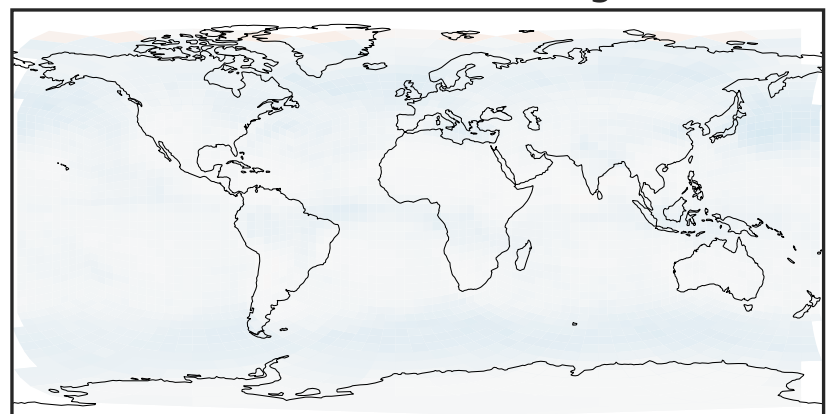
-2 0 2
s-1 1e-6

Ratio
Dev/Ref, Dynamic Range



0.95675 0.97838 1.00000 1.02260 1.04520
unitless

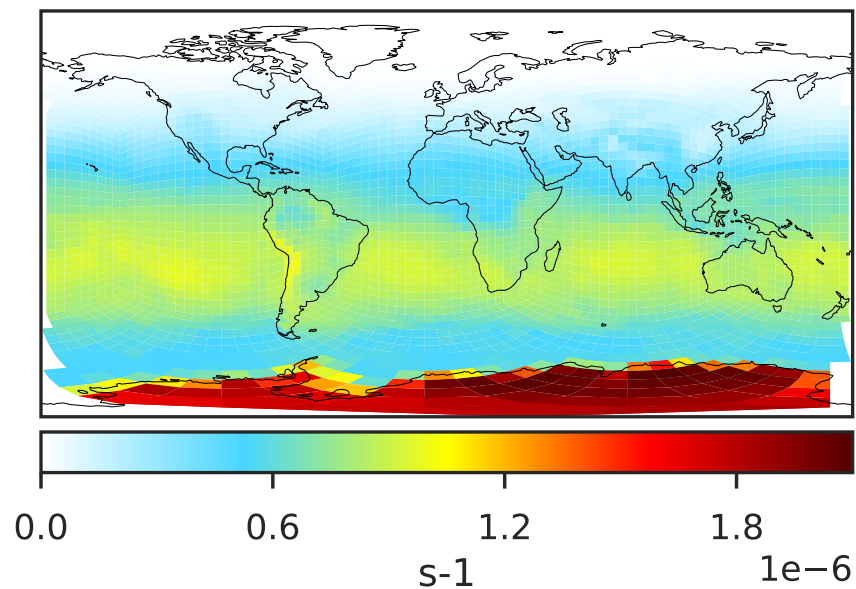
Ratio
Dev/Ref, Fixed Range



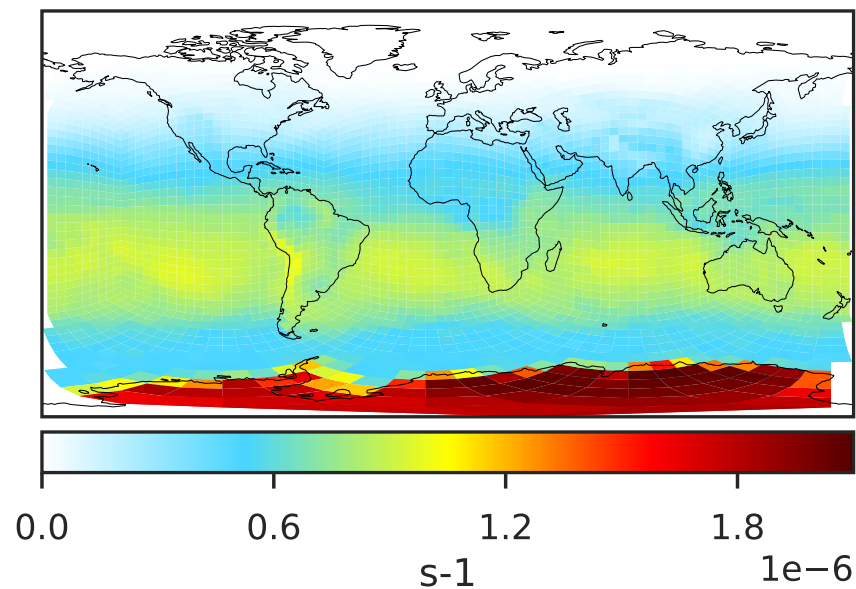
0.50 0.75 1.00 1.50 2.00
unitless

Jval_MONITS (Jan2019)

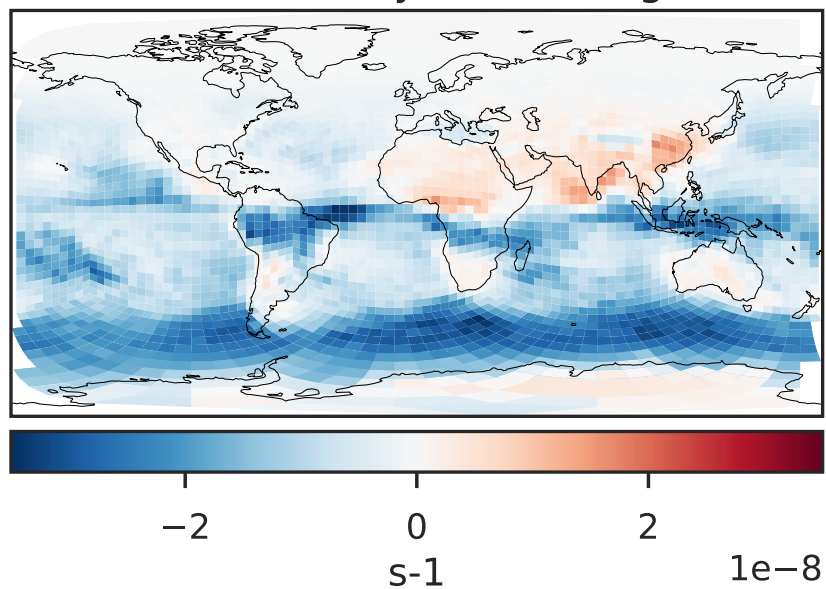
14.2.0-rc.2 (Ref)
c24



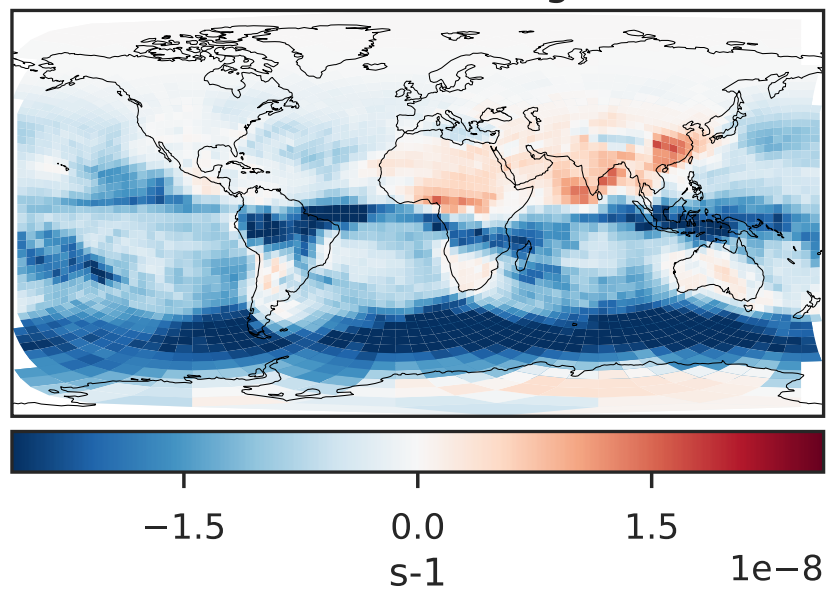
14.3.0-rc.0 (Dev)
c24



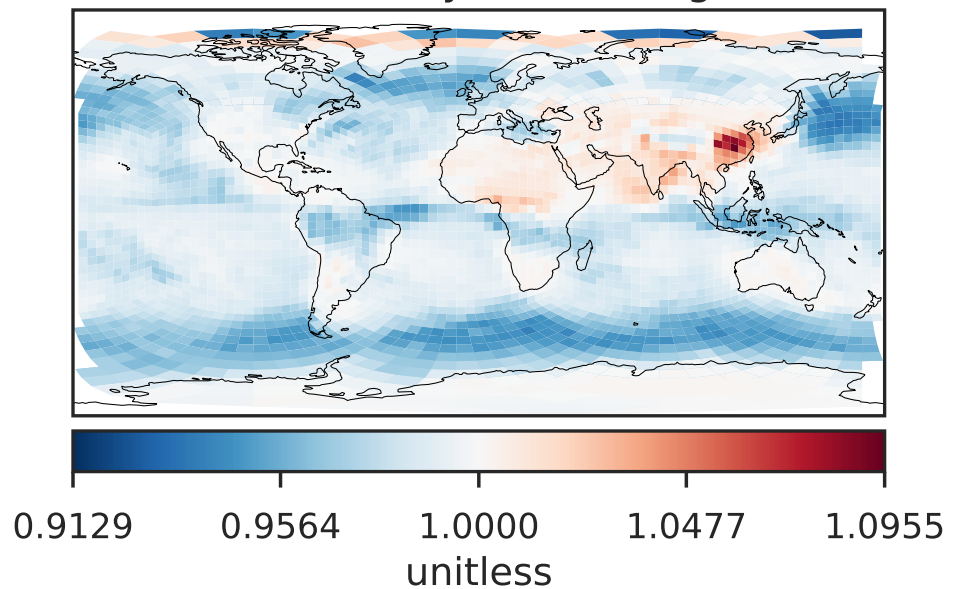
Difference
Dev - Ref, Dynamic Range



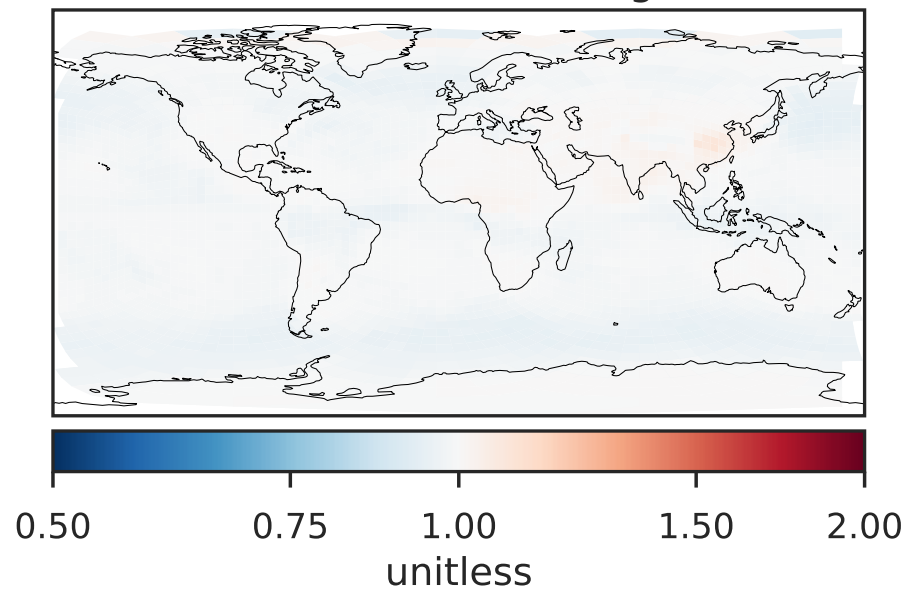
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

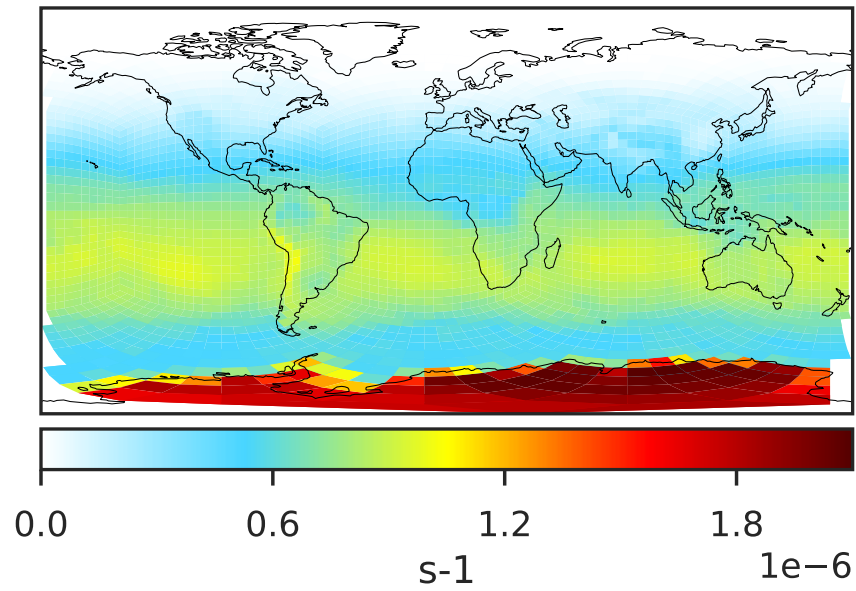


Ratio
Dev/Ref, Fixed Range

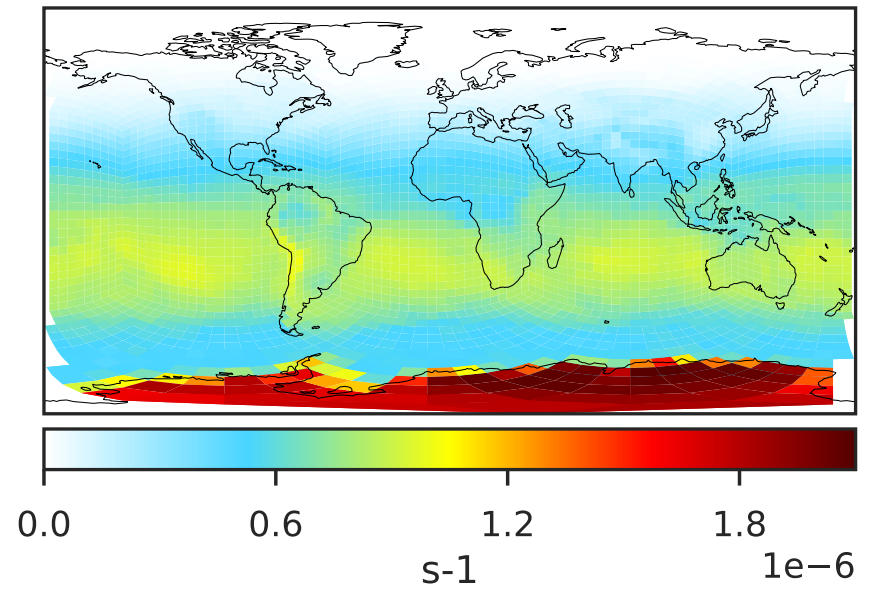


Jval_MONITU (Jan2019)

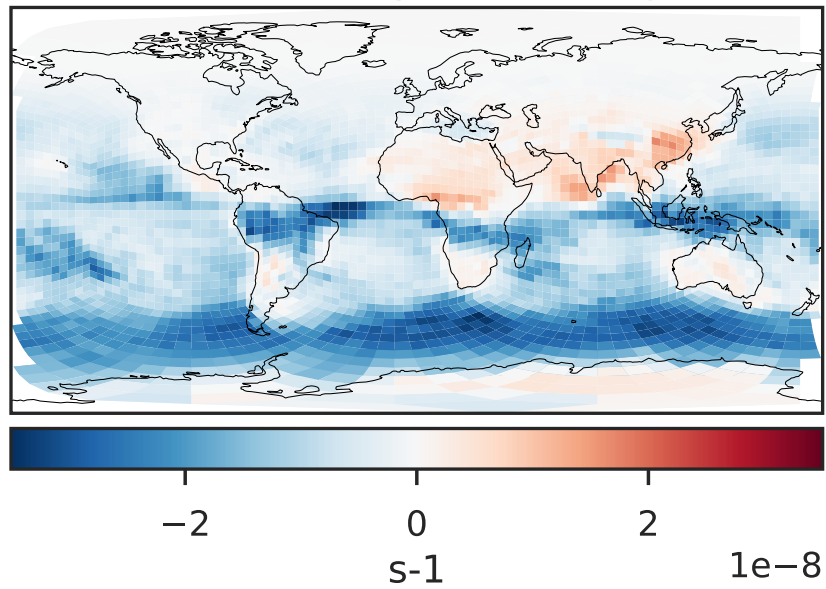
14.2.0-rc.2 (Ref)
c24



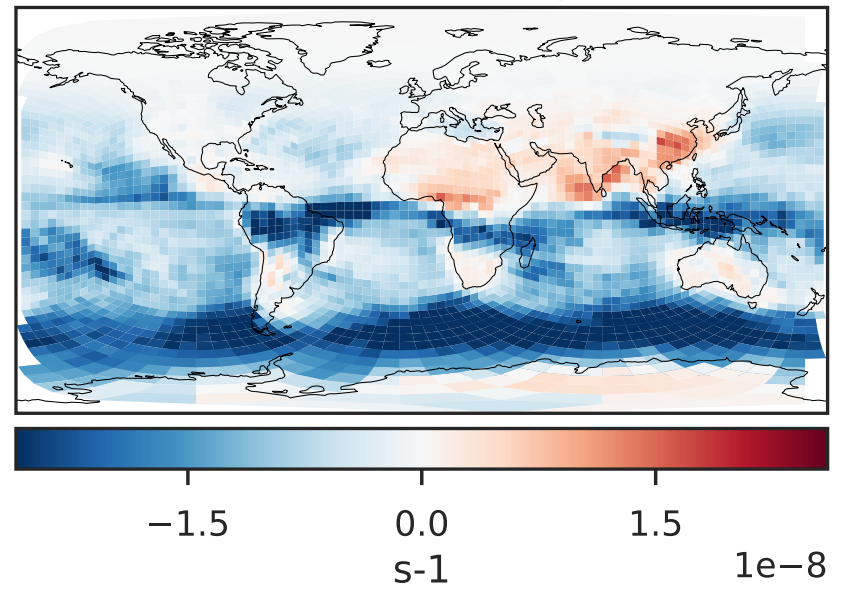
14.3.0-rc.0 (Dev)
c24



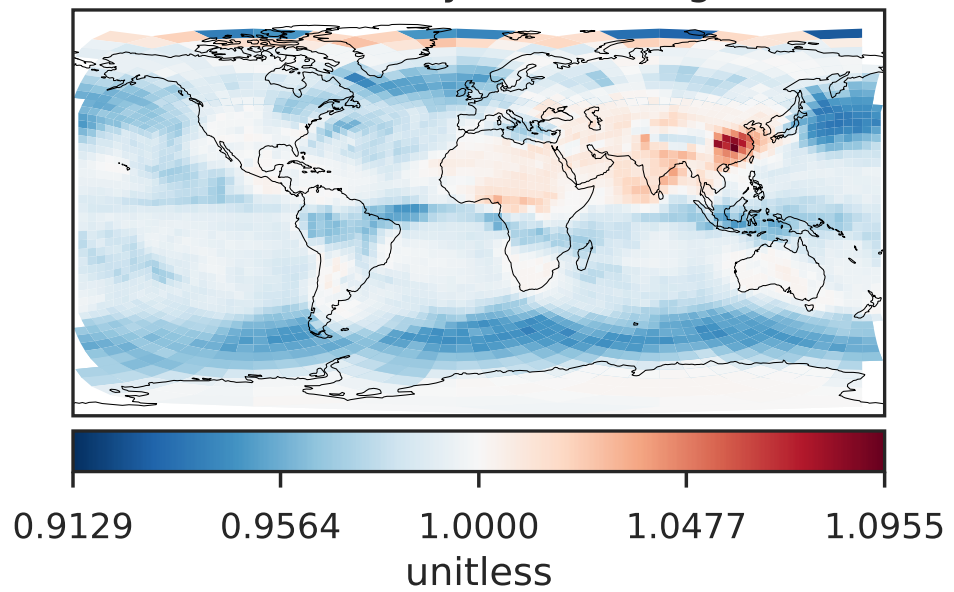
Difference
Dev - Ref, Dynamic Range



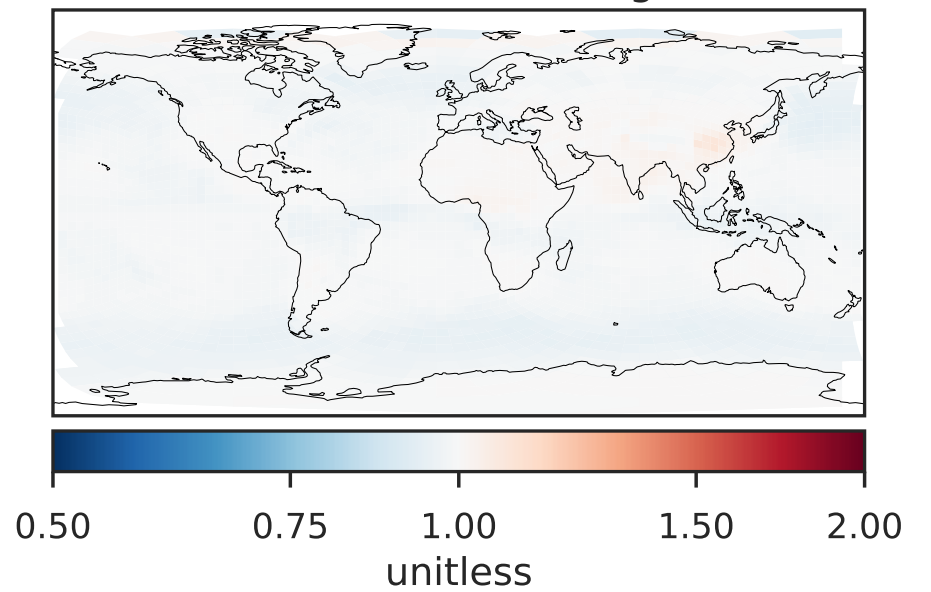
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

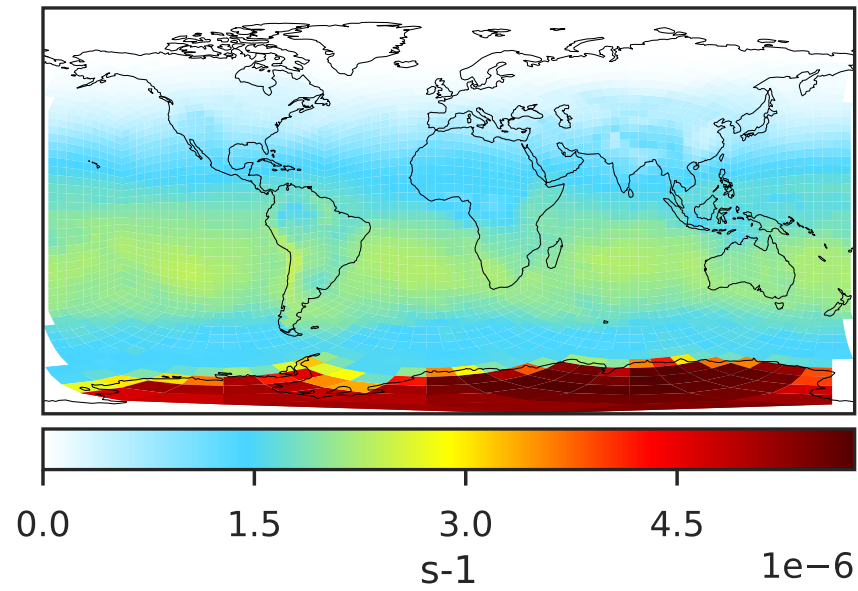


Ratio
Dev/Ref, Fixed Range

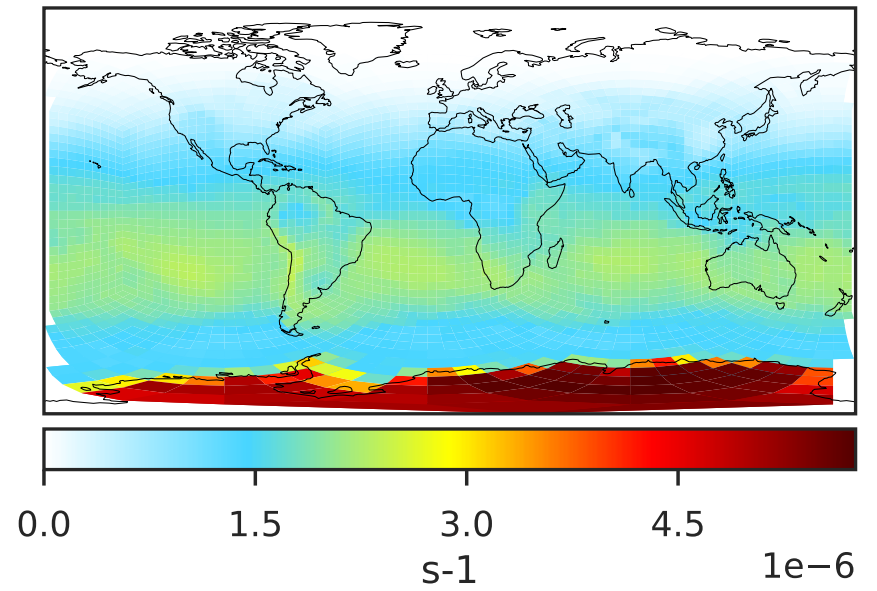


Jval_MP (Jan2019)

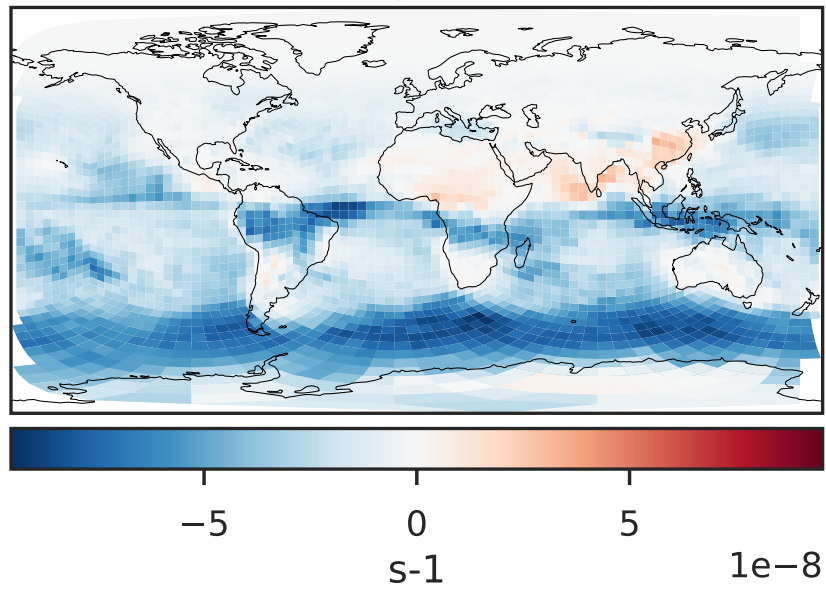
14.2.0-rc.2 (Ref)
c24



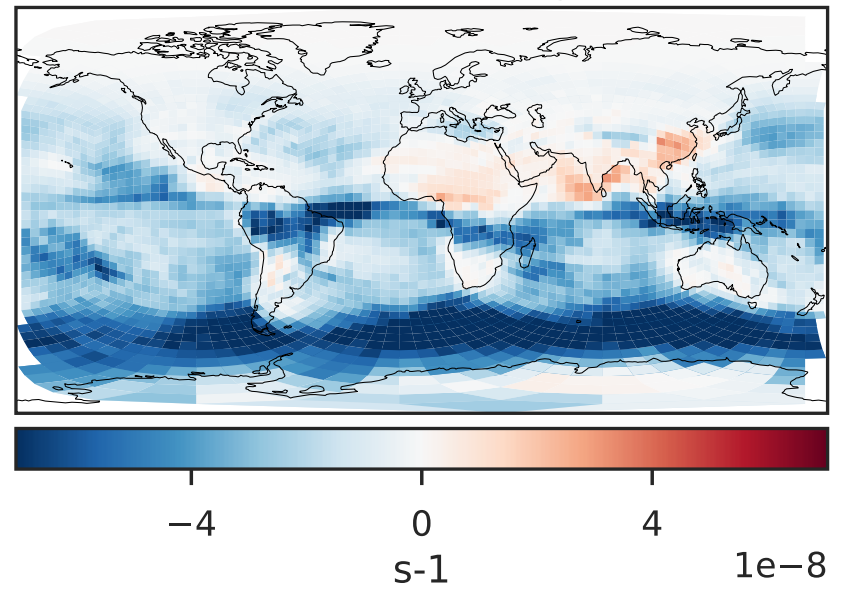
14.3.0-rc.0 (Dev)
c24



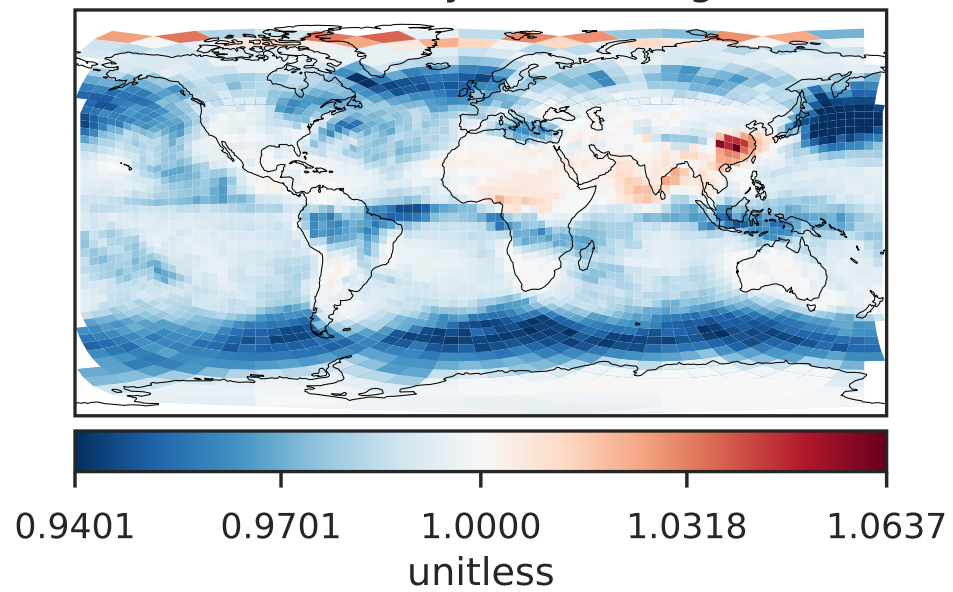
Difference
Dev - Ref, Dynamic Range



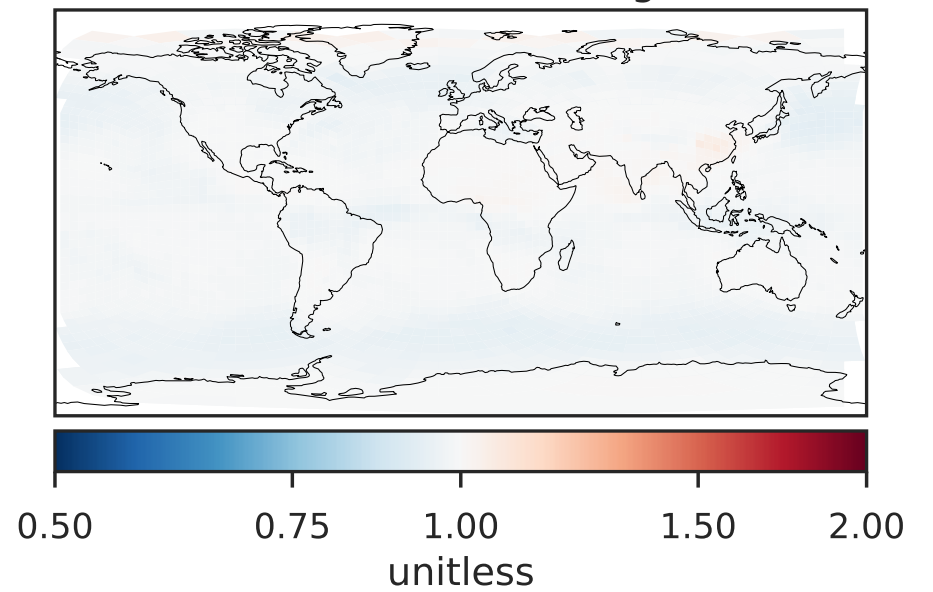
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range



Ratio
Dev/Ref, Fixed Range



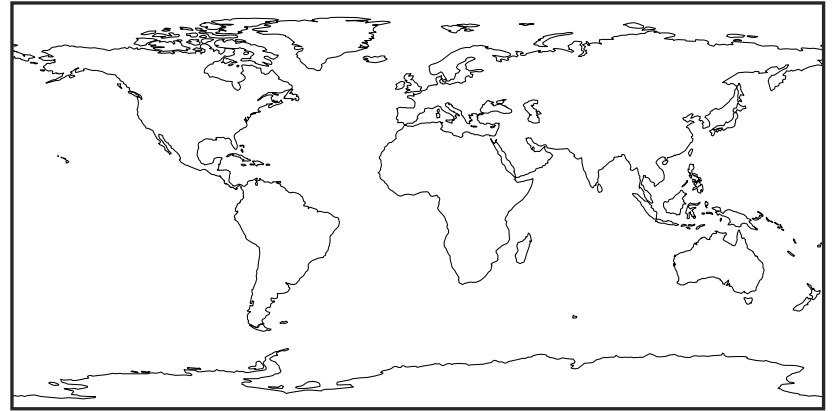
Jval_MPAN (Jan2019)

14.2.0-rc.2 (Ref)
c24



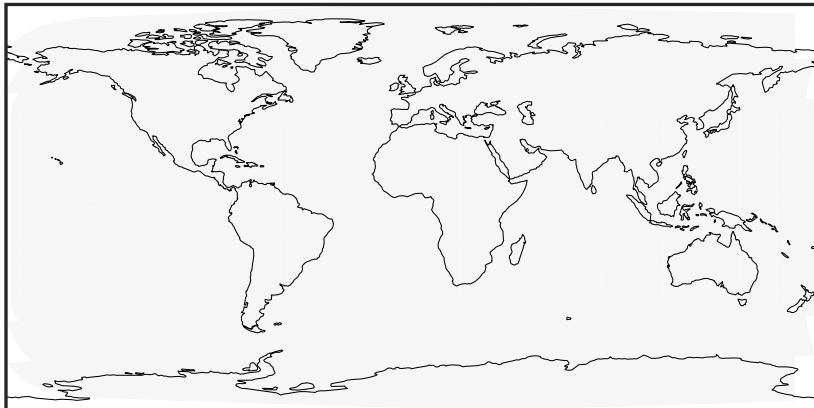
Zero throughput domain
s-1

14.3.0-rc.0 (Dev)
c24



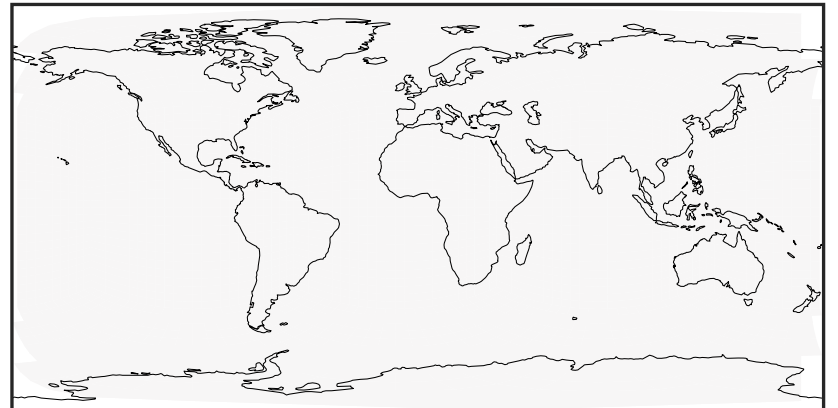
Zero throughput domain
s-1

Difference
Dev - Ref, Dynamic Range



Zero throughput domain
s-1

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



Zero throughput domain
s-1

Ratio
Dev/Ref, Dynamic Range



Undefined throughout domain
unitless

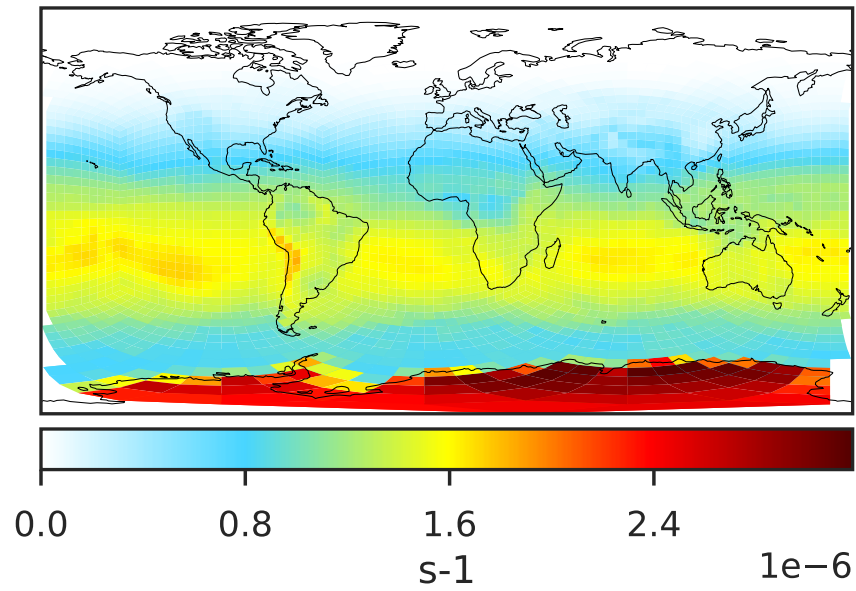
Ratio
Dev/Ref, Fixed Range



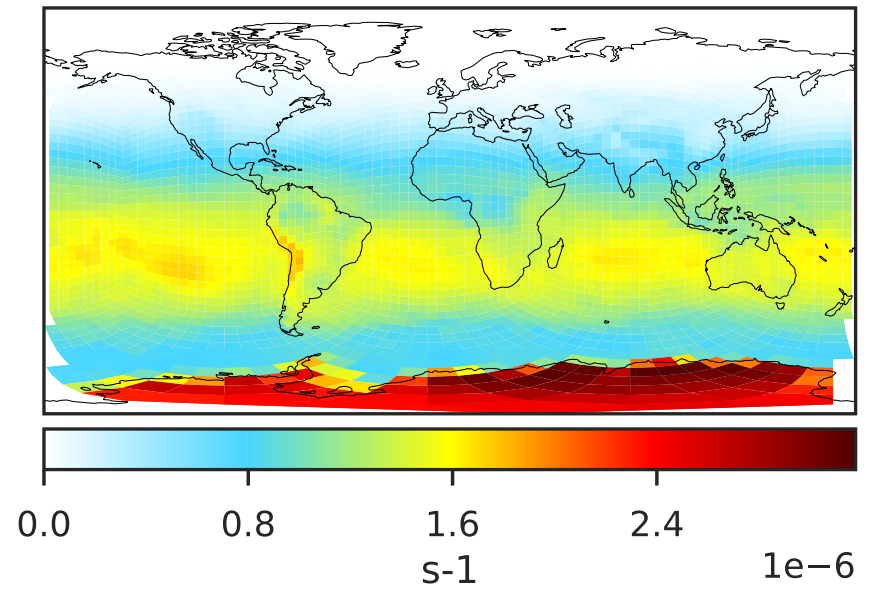
Undefined throughout domain
unitless

Jval_MPN (Jan2019)

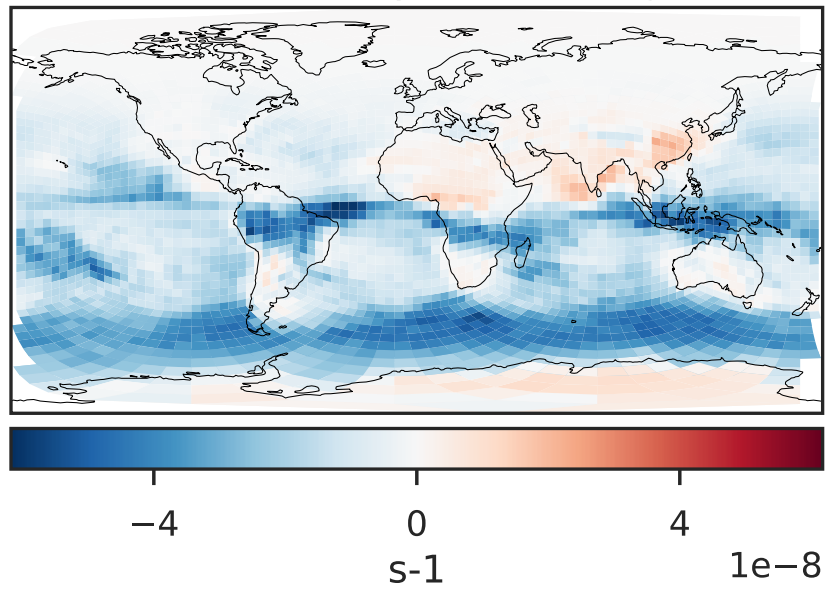
14.2.0-rc.2 (Ref)
c24



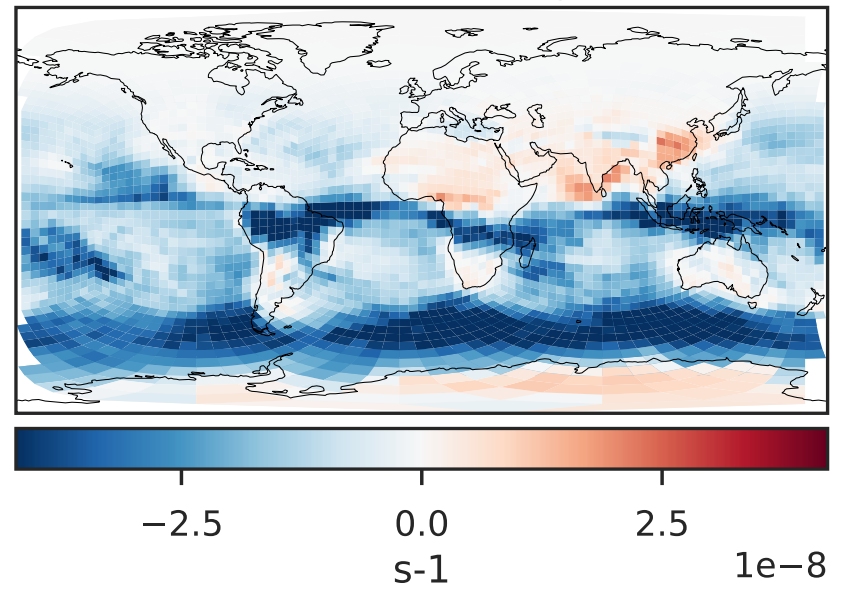
14.3.0-rc.0 (Dev)
c24



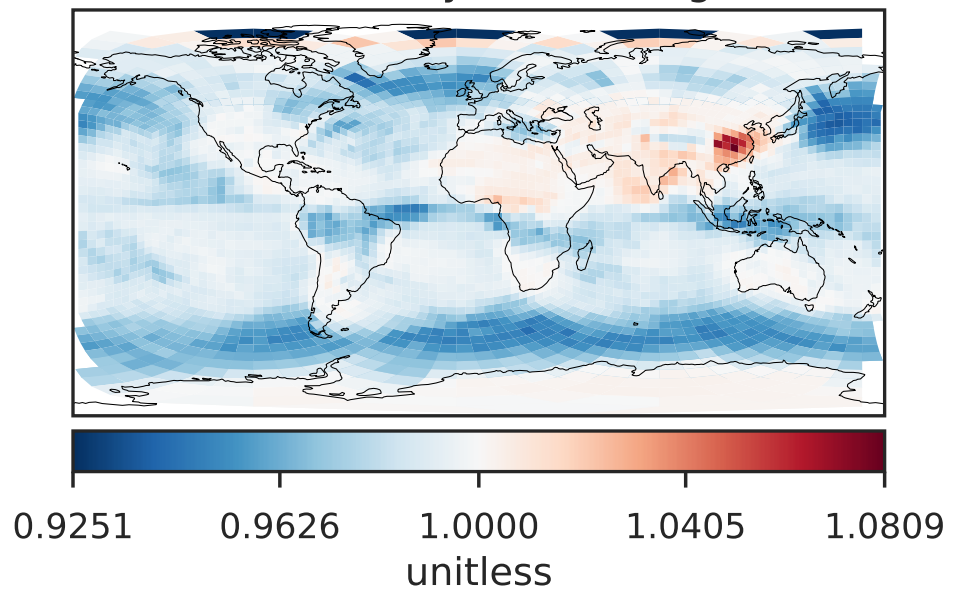
Difference
Dev - Ref, Dynamic Range



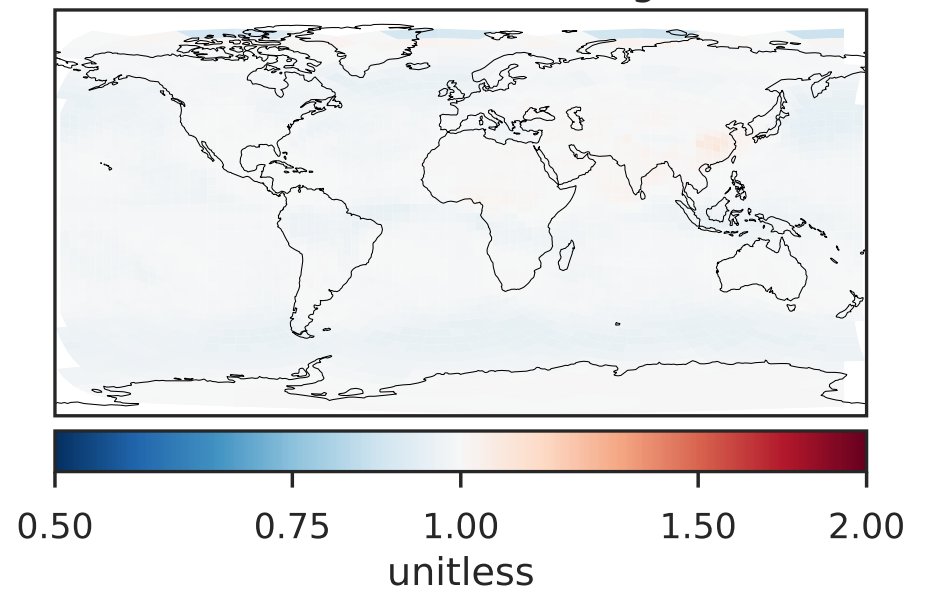
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

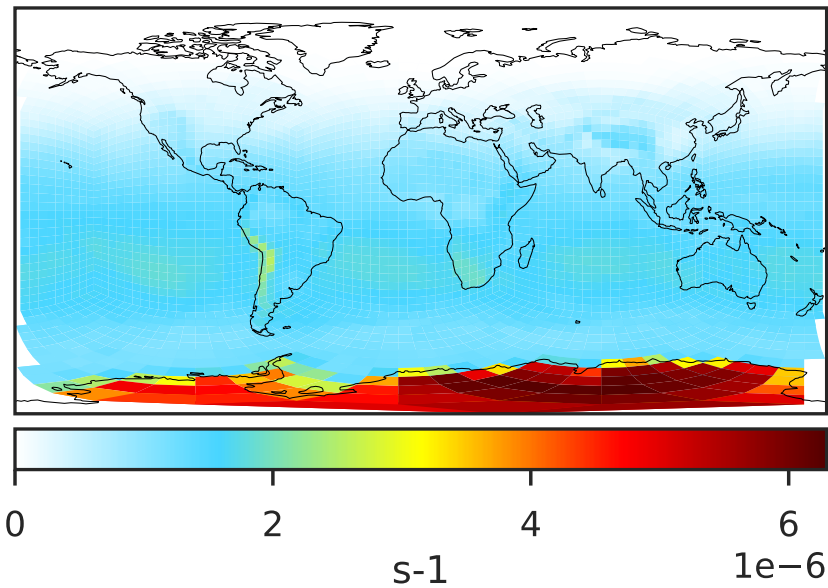


Ratio
Dev/Ref, Fixed Range

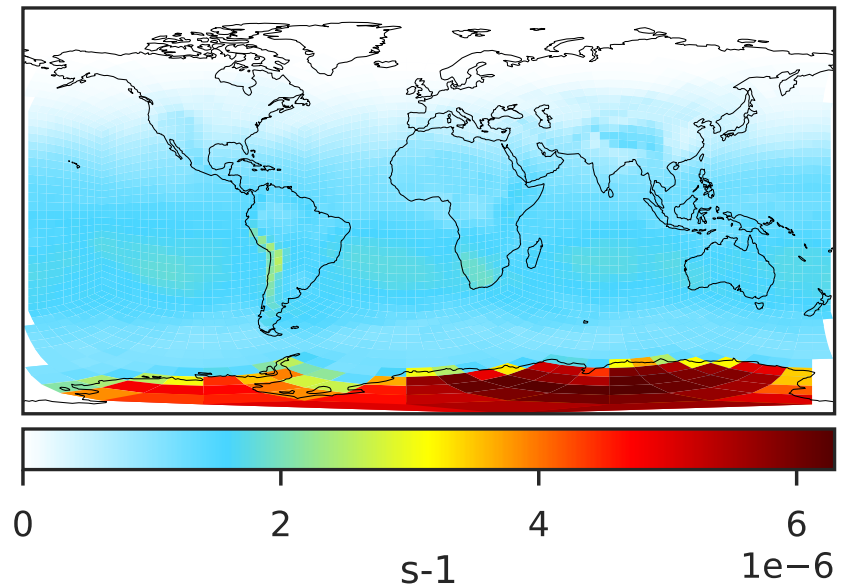


Jval_MVK (Jan2019)

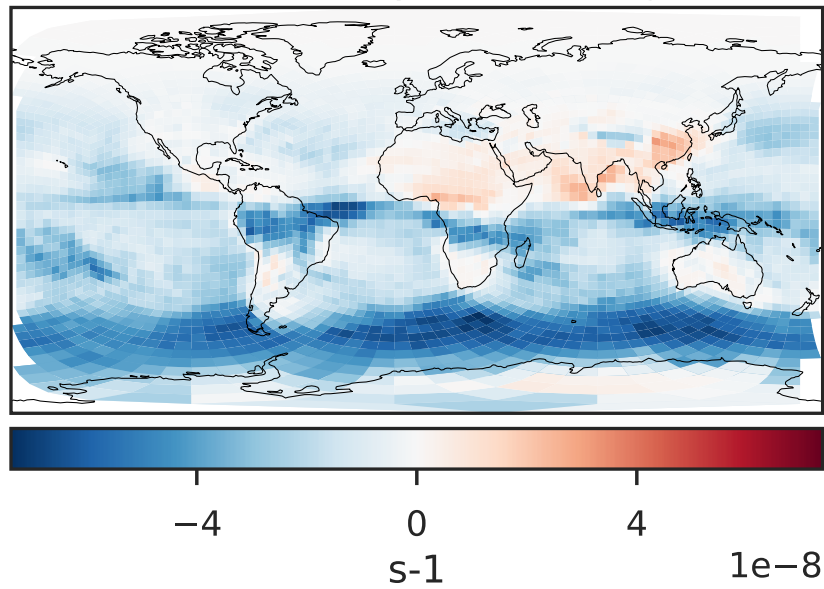
14.2.0-rc.2 (Ref)
c24



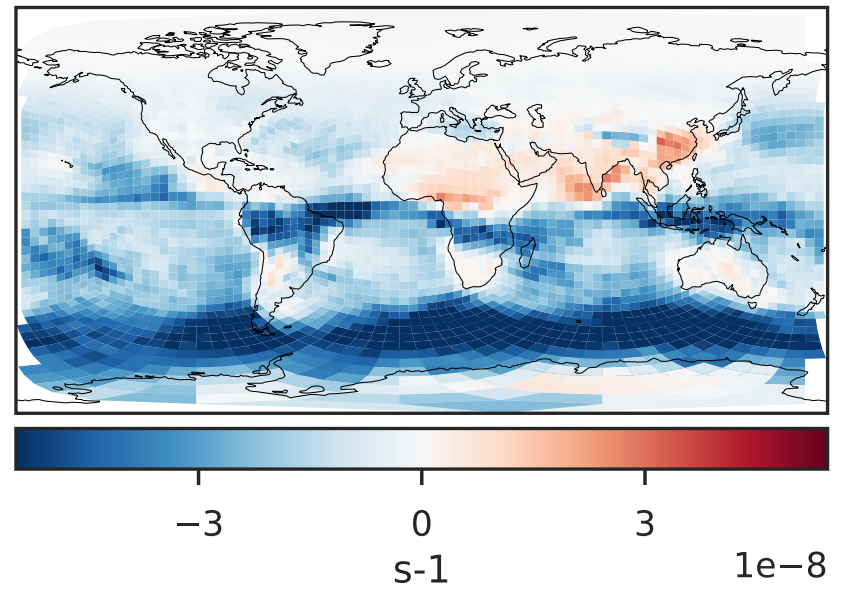
14.3.0-rc.0 (Dev)
c24



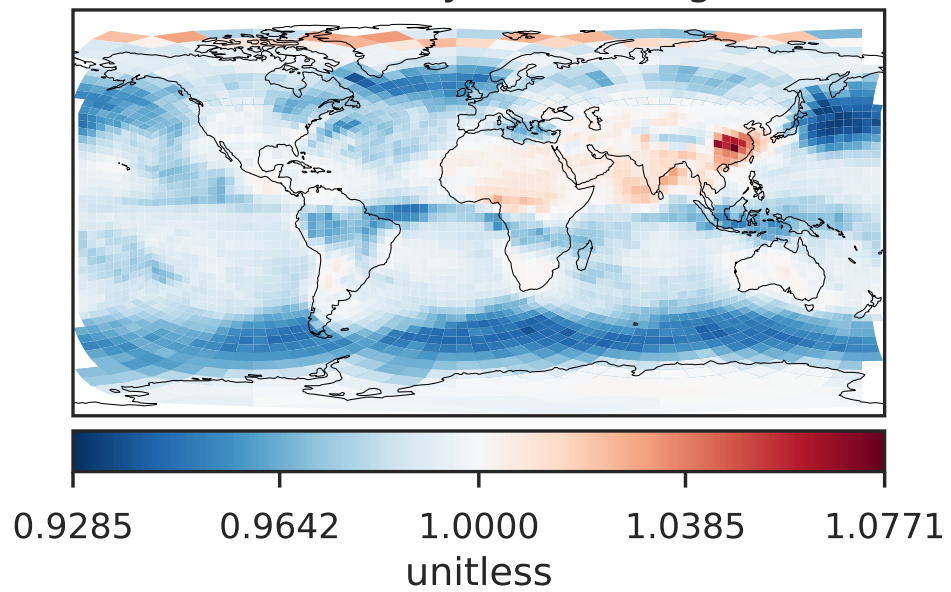
Difference
Dev - Ref, Dynamic Range



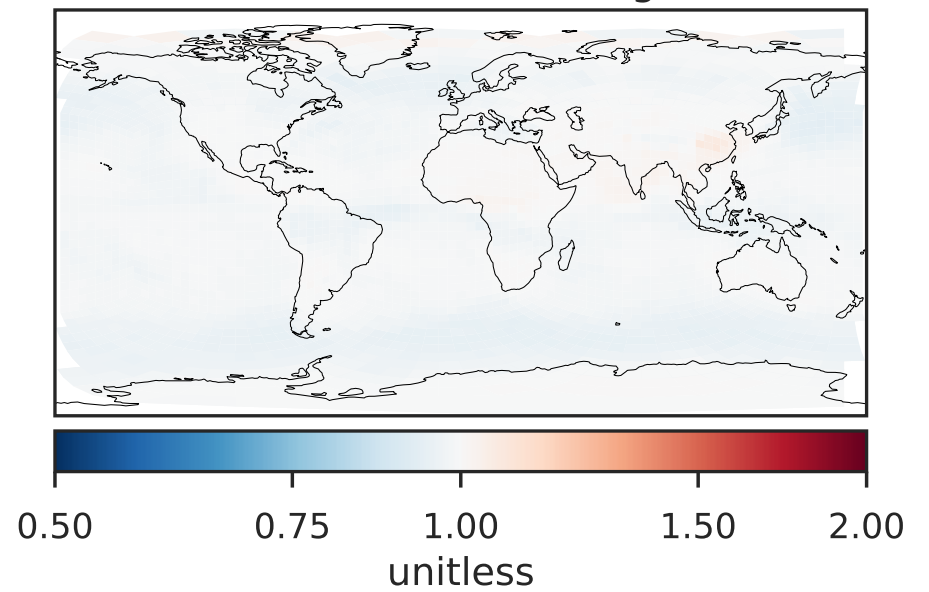
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

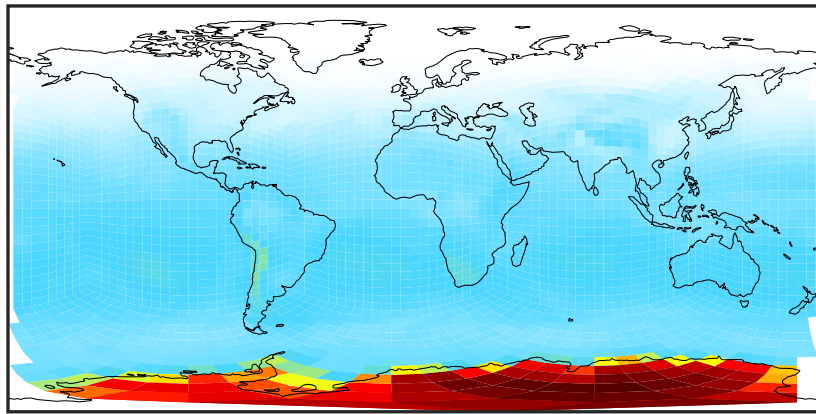


Ratio
Dev/Ref, Fixed Range



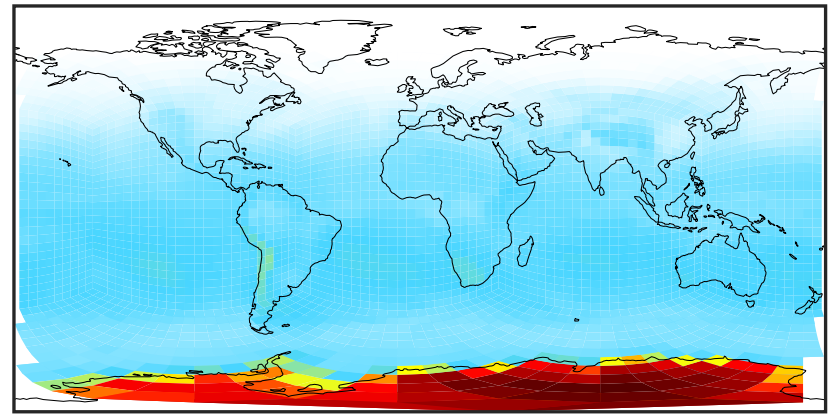
Jval_MVKHC (Jan2019)

14.2.0-rc.2 (Ref)
c24



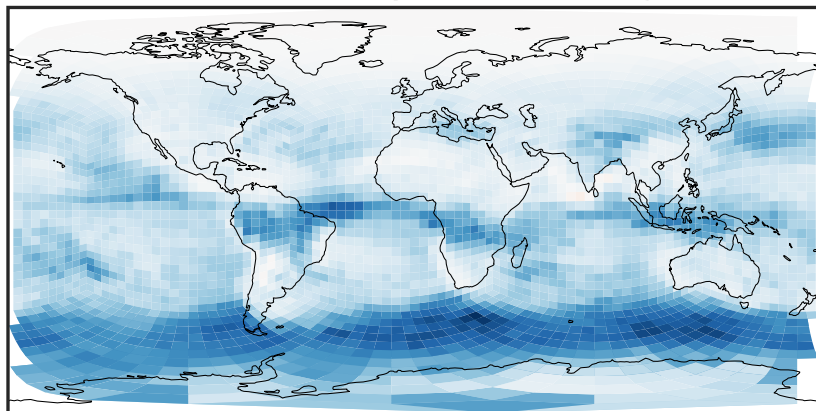
0.00000 0.00008 0.00016 0.00024
s-1

14.3.0-rc.0 (Dev)
c24



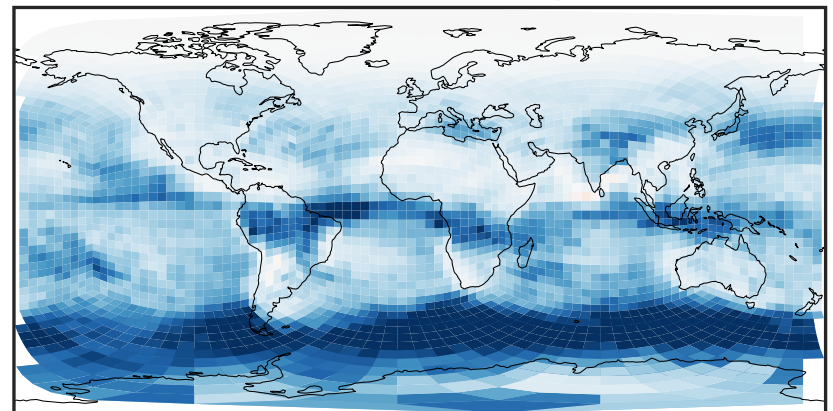
0.00000 0.00008 0.00016 0.00024
s-1

Difference
Dev - Ref, Dynamic Range



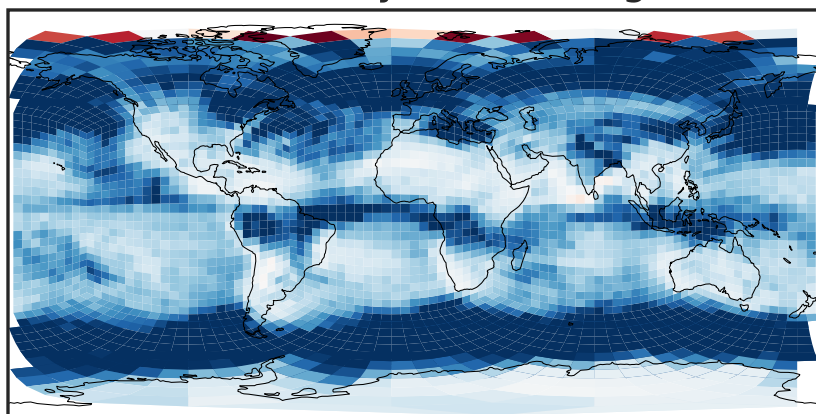
-2.5 0.0 2.5
s-1 1e-6

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



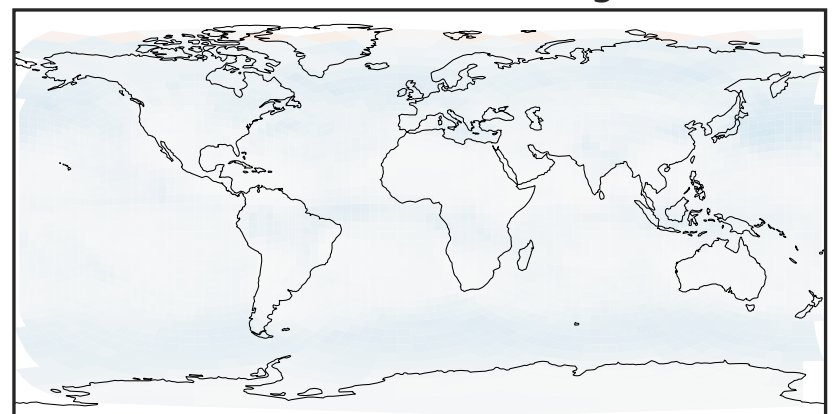
-2 0 2
s-1 1e-6

Ratio
Dev/Ref, Dynamic Range



0.95675 0.97838 1.00000 1.02260 1.04520
unitless

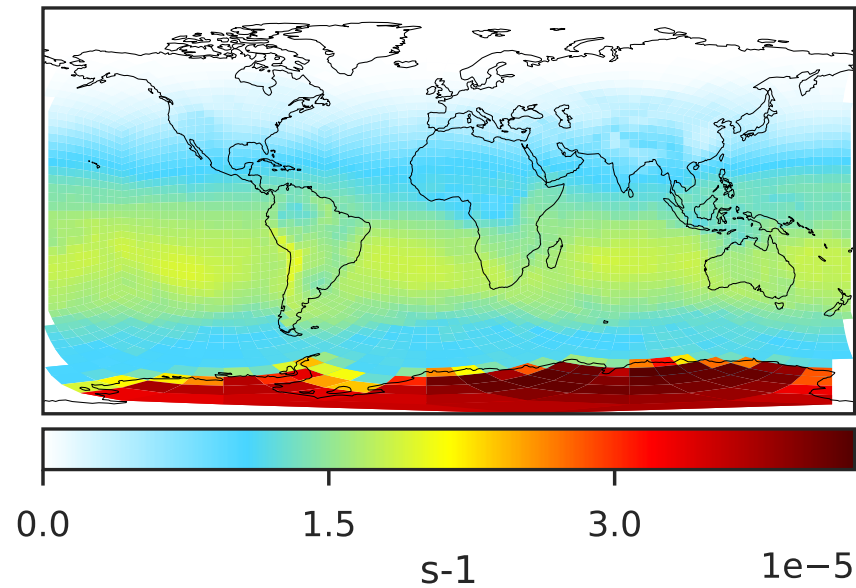
Ratio
Dev/Ref, Fixed Range



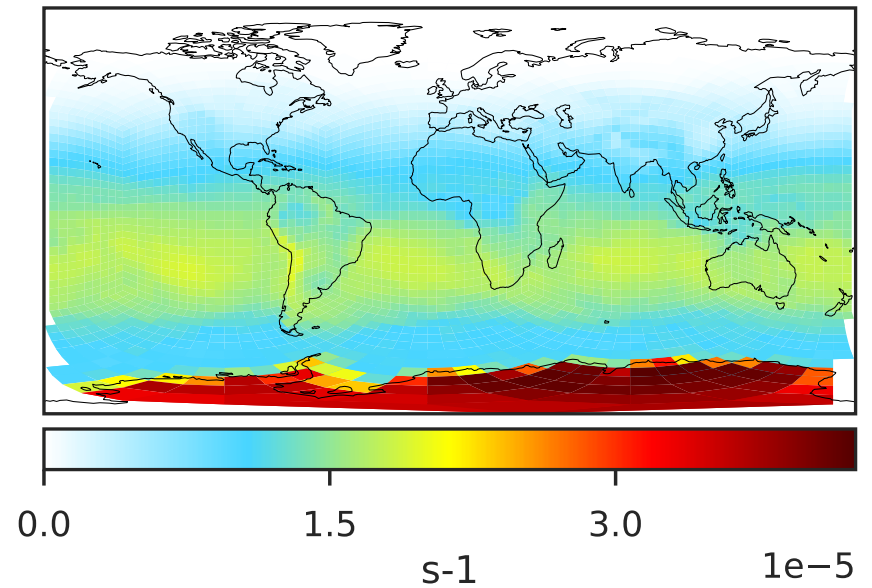
0.50 0.75 1.00 1.50 2.00
unitless

Jval_MVKHCB (Jan2019)

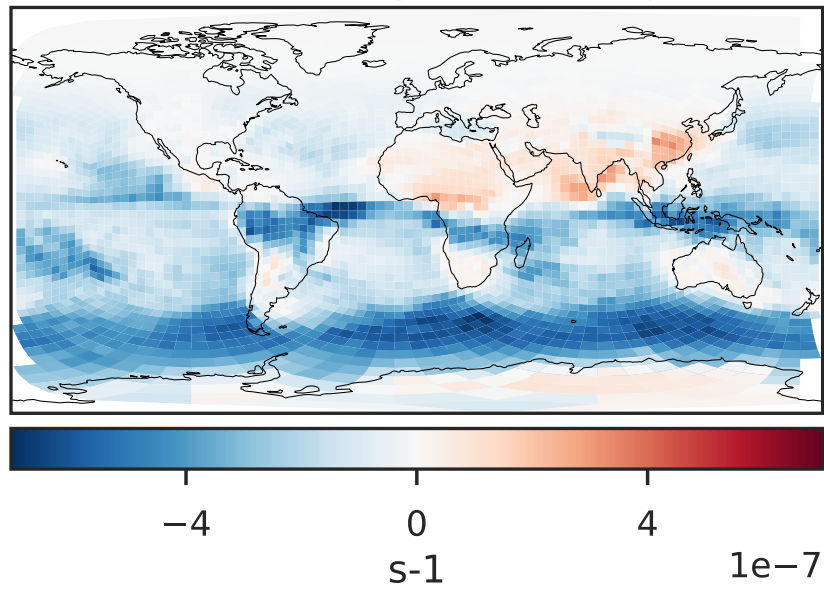
14.2.0-rc.2 (Ref)
c24



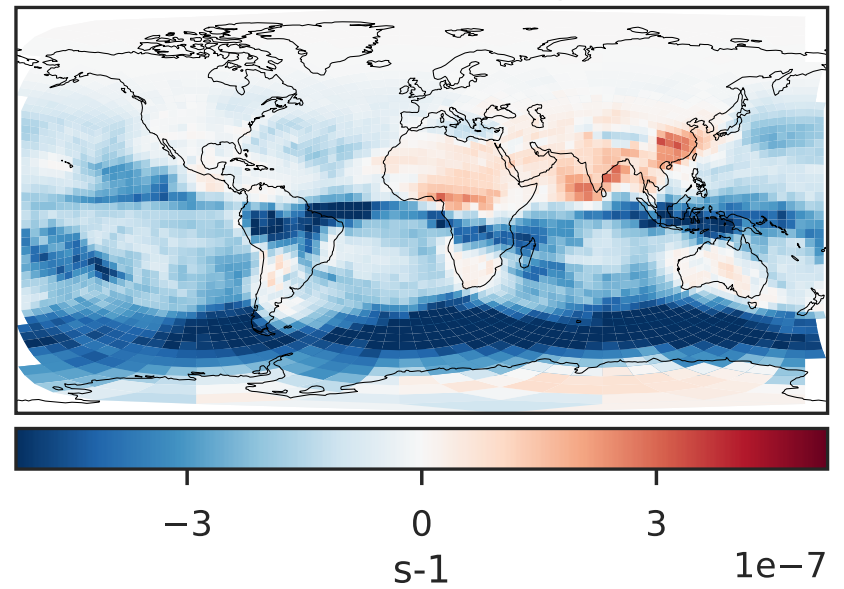
14.3.0-rc.0 (Dev)
c24



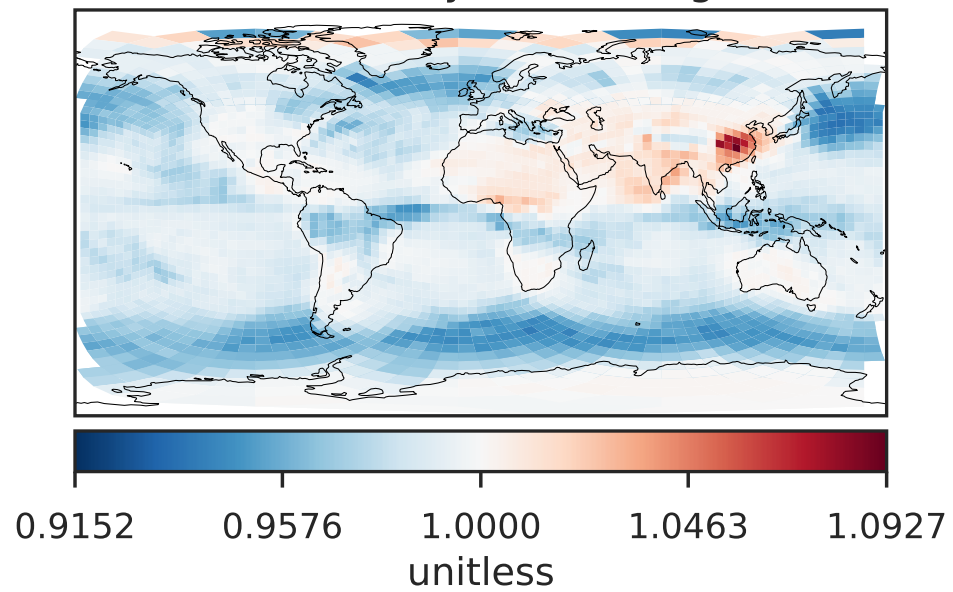
Difference
Dev - Ref, Dynamic Range



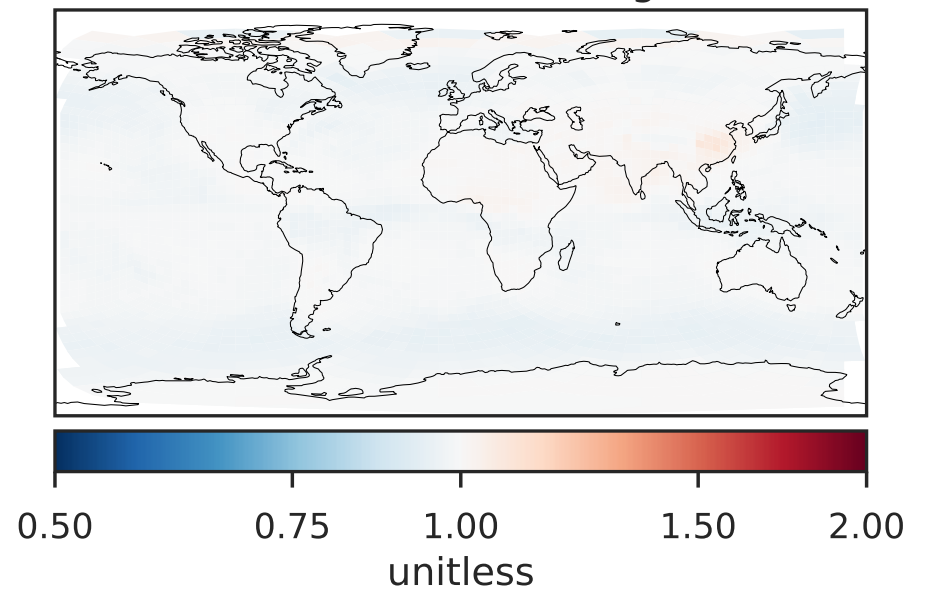
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

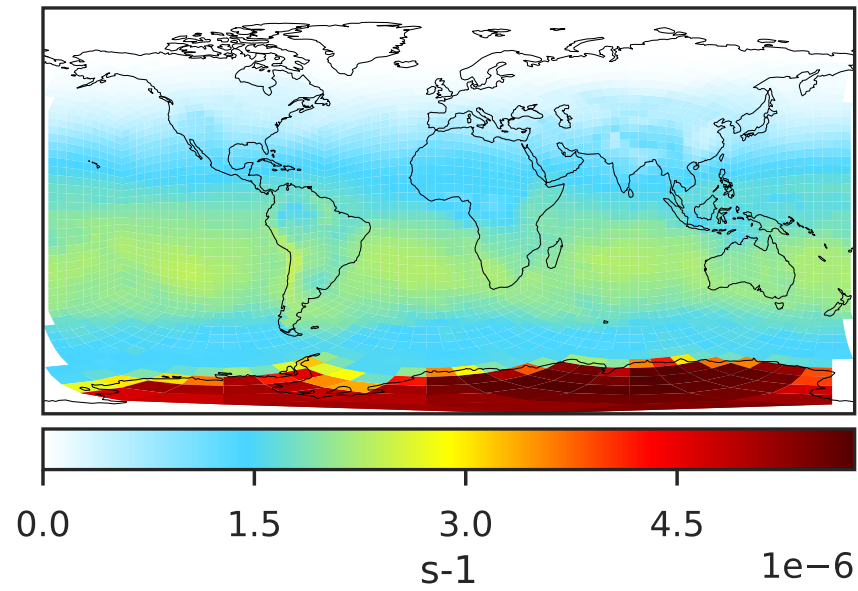


Ratio
Dev/Ref, Fixed Range

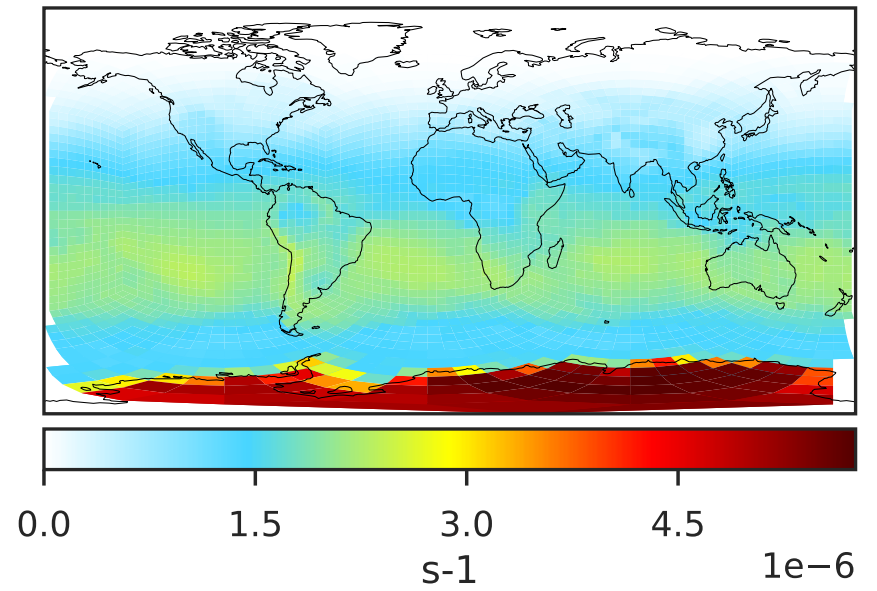


Jval_MVKHP (Jan2019)

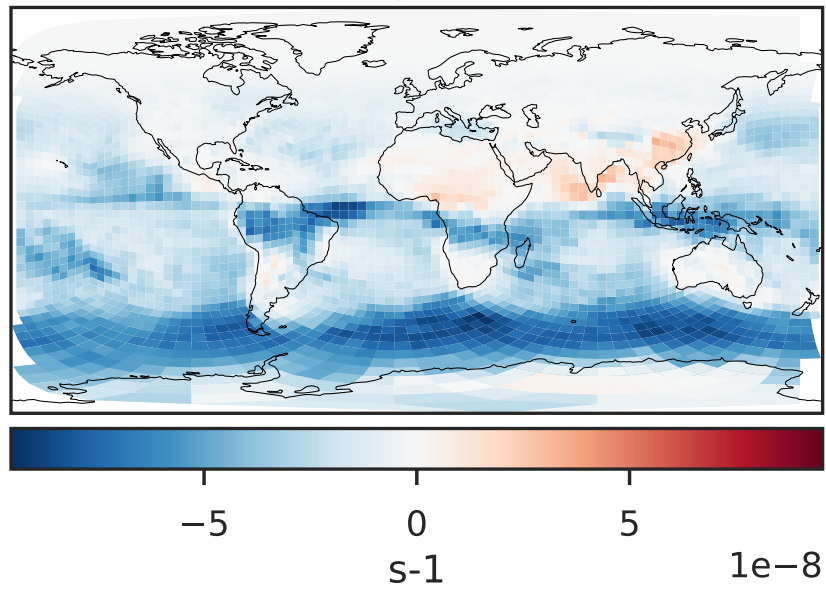
14.2.0-rc.2 (Ref)
c24



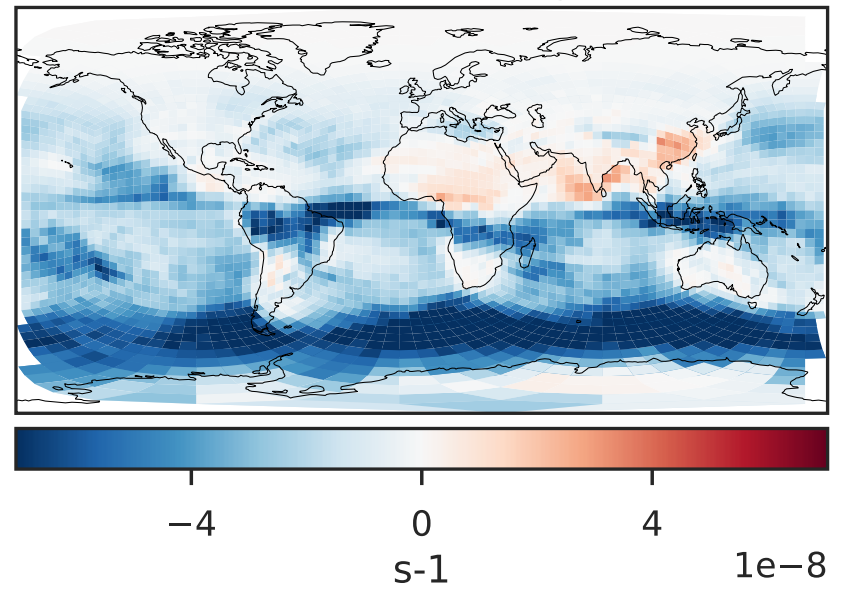
14.3.0-rc.0 (Dev)
c24



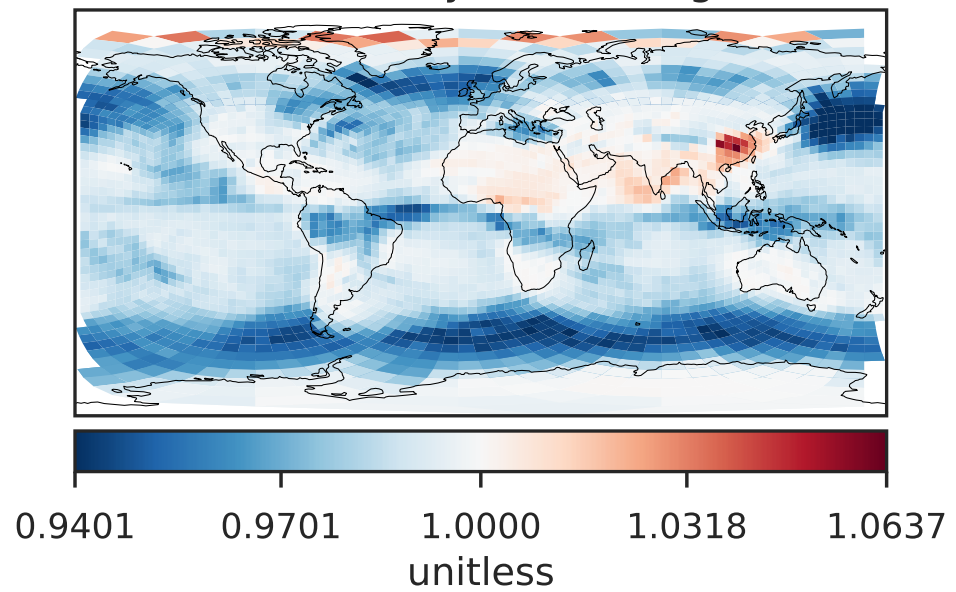
Difference
Dev - Ref, Dynamic Range



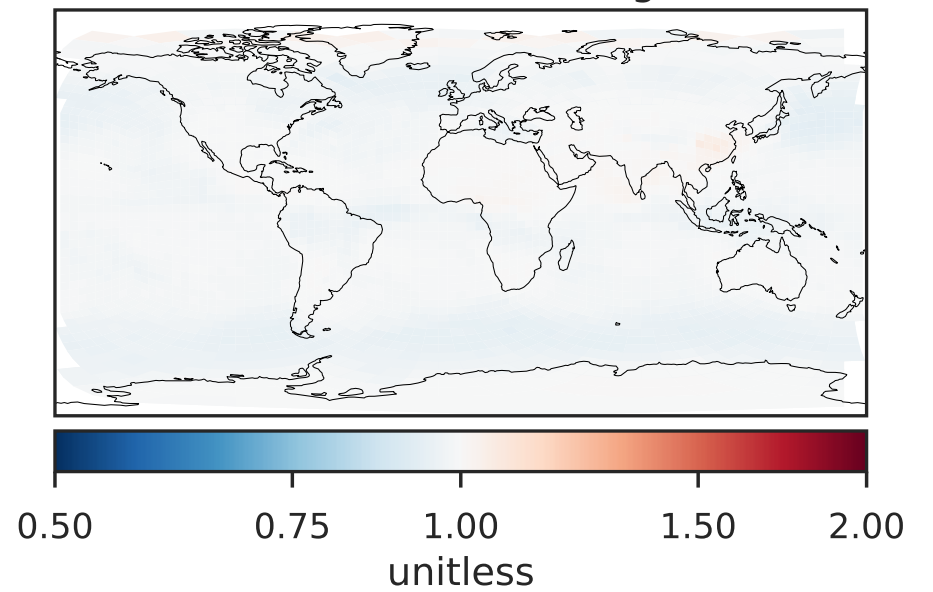
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

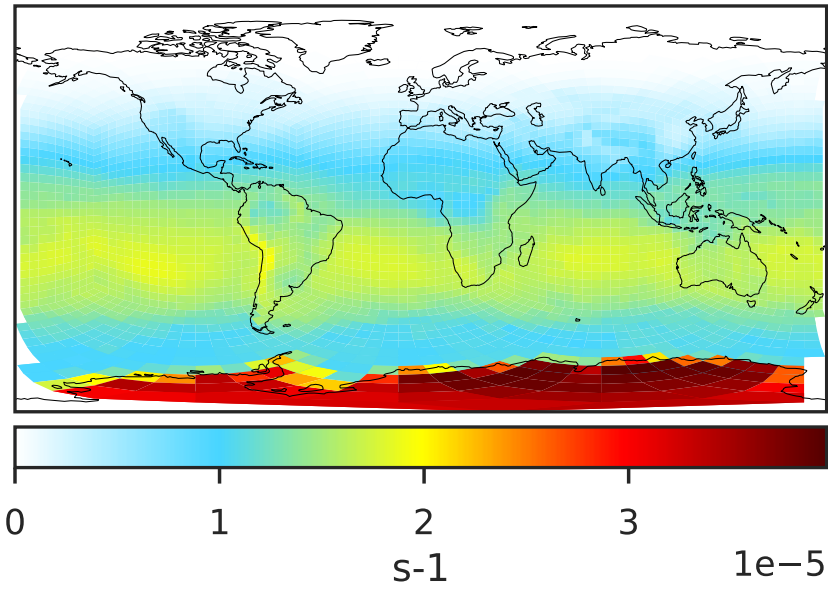


Ratio
Dev/Ref, Fixed Range

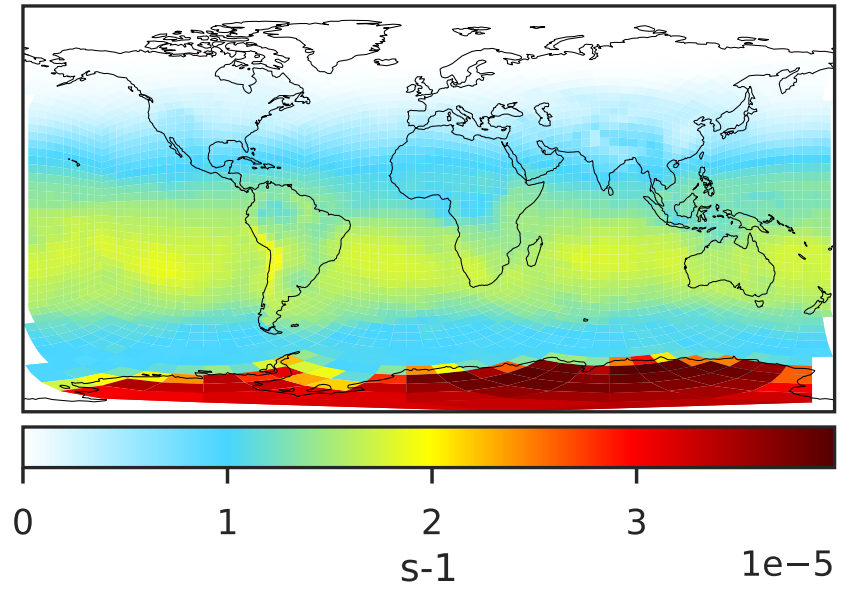


Jval_MVKN (Jan2019)

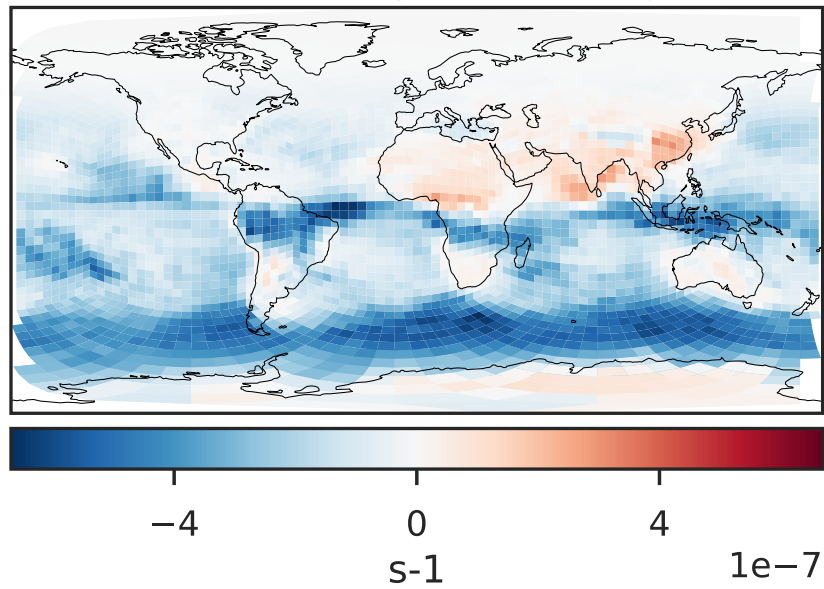
14.2.0-rc.2 (Ref)
c24



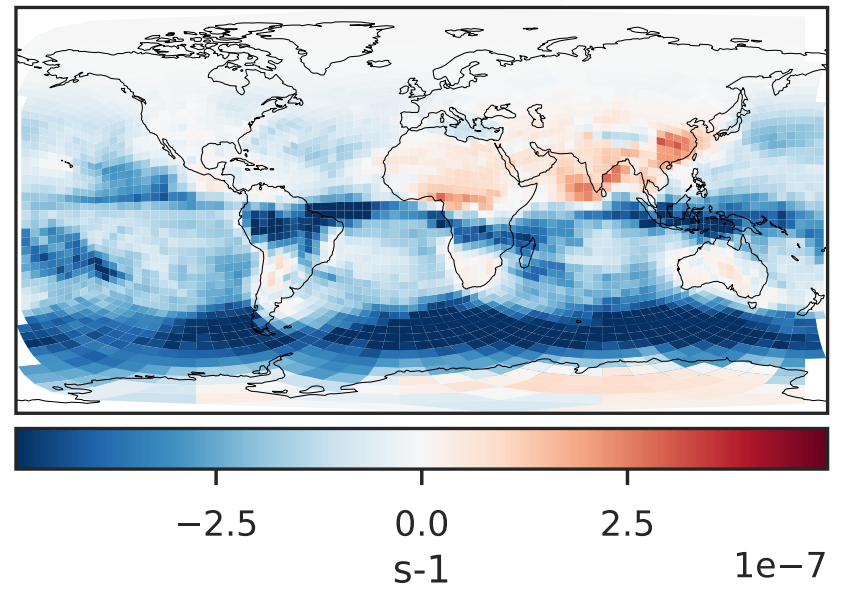
14.3.0-rc.0 (Dev)
c24



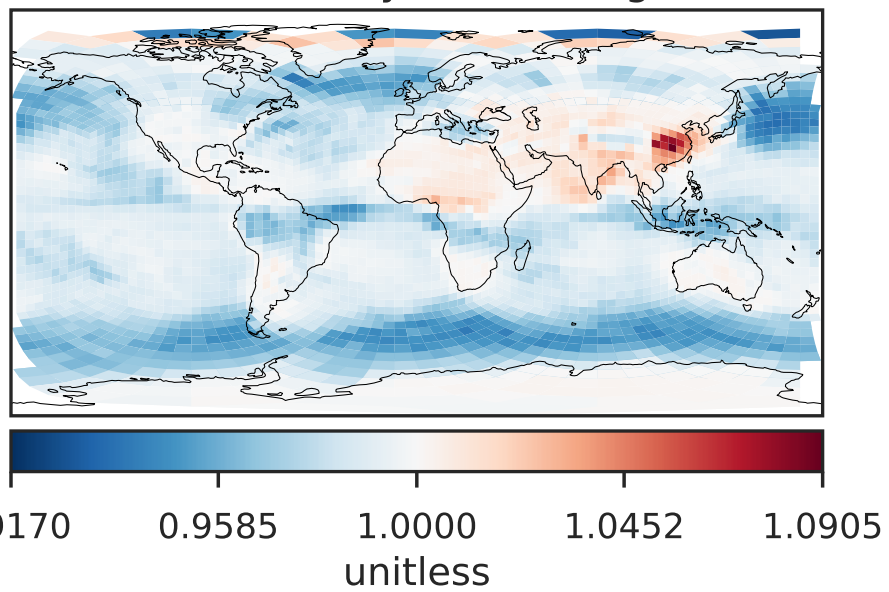
Difference
Dev - Ref, Dynamic Range



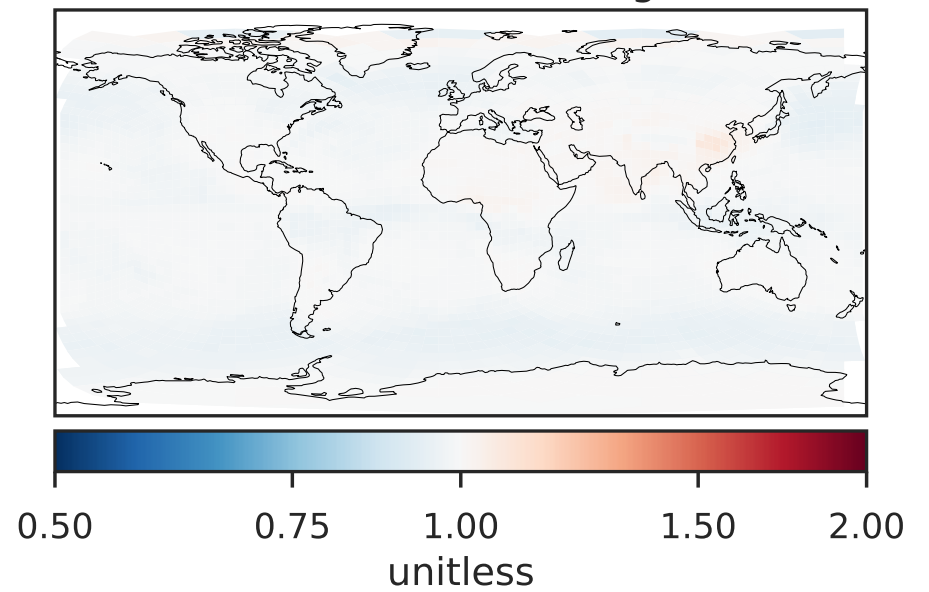
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

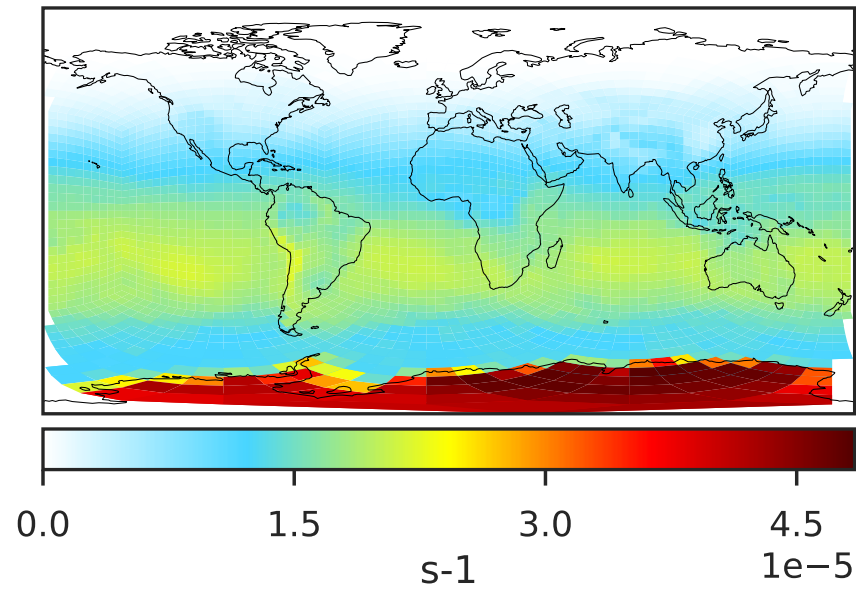


Ratio
Dev/Ref, Fixed Range

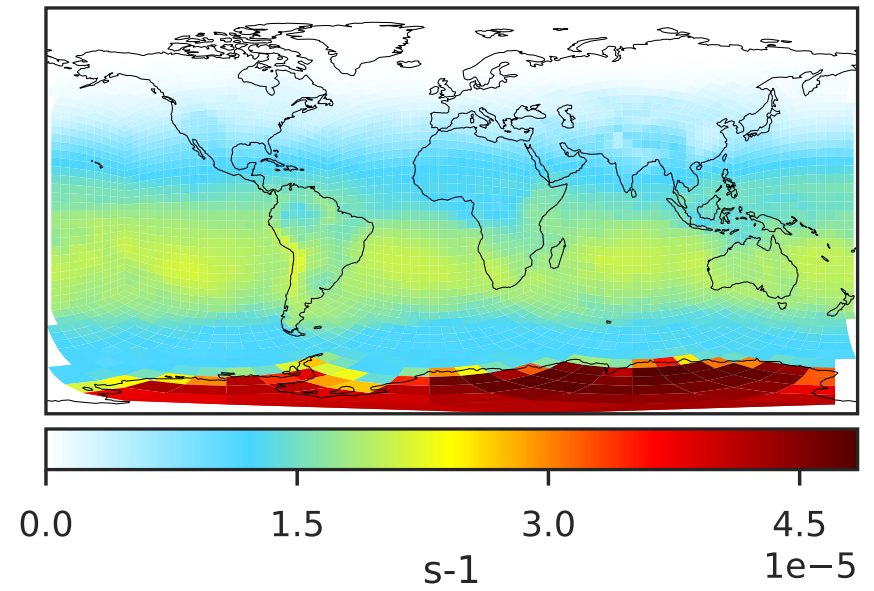


Jval_MVKPC (Jan2019)

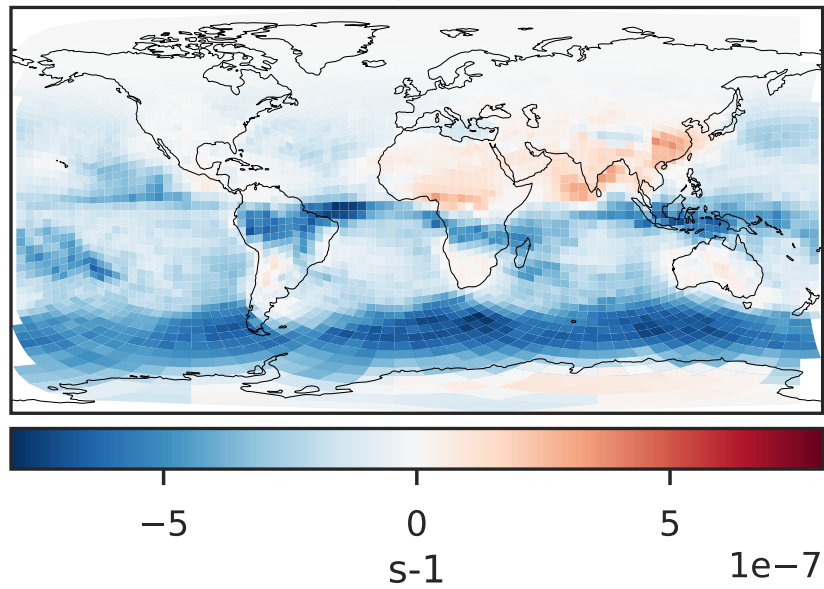
14.2.0-rc.2 (Ref)
c24



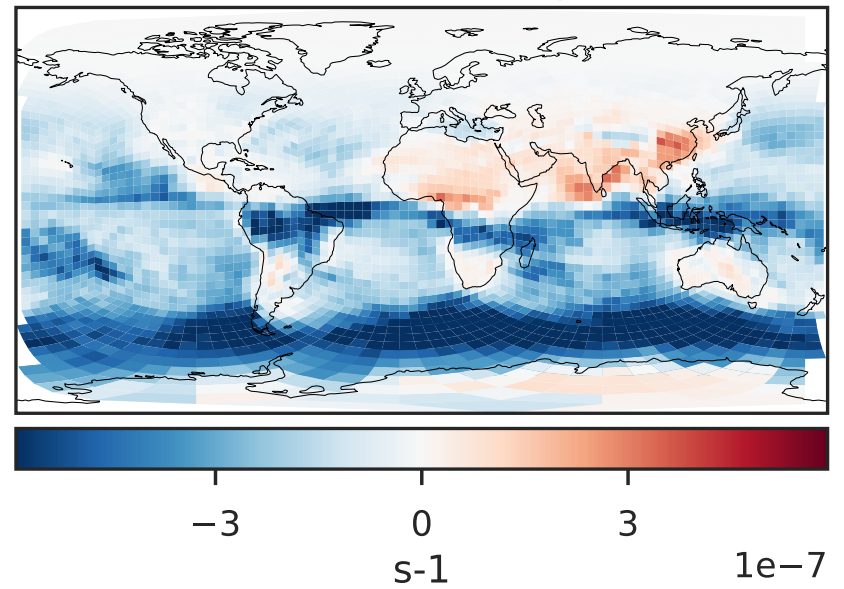
14.3.0-rc.0 (Dev)
c24



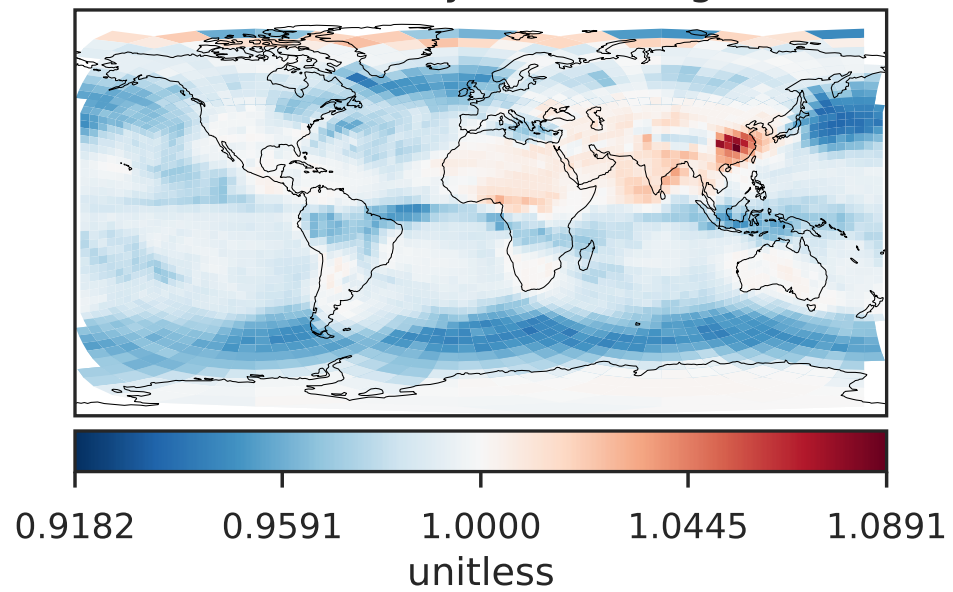
Difference
Dev - Ref, Dynamic Range



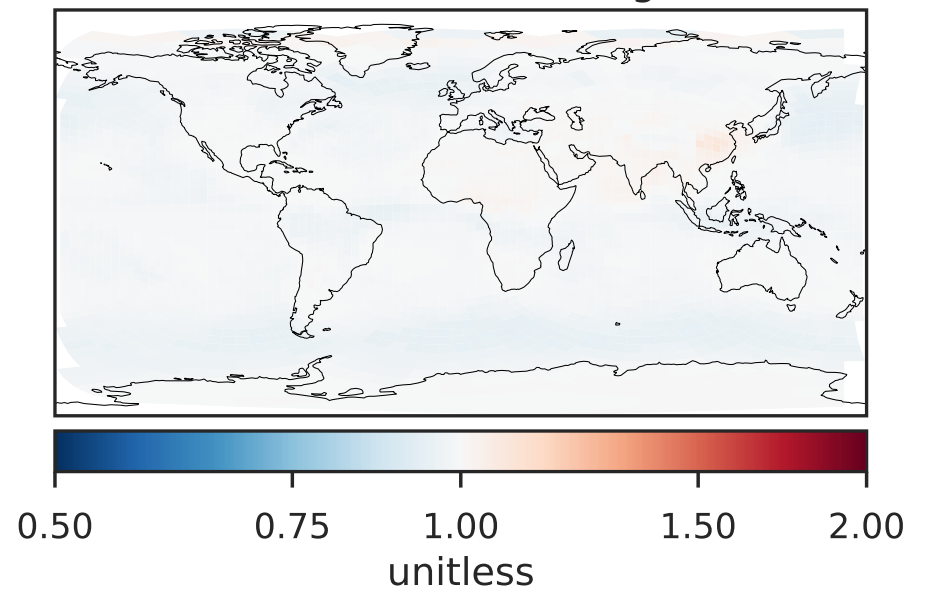
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

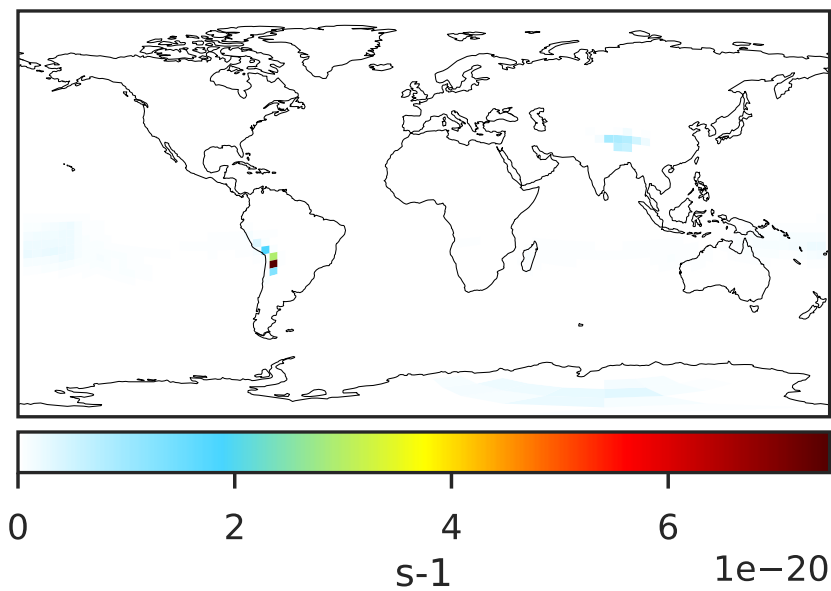


Ratio
Dev/Ref, Fixed Range

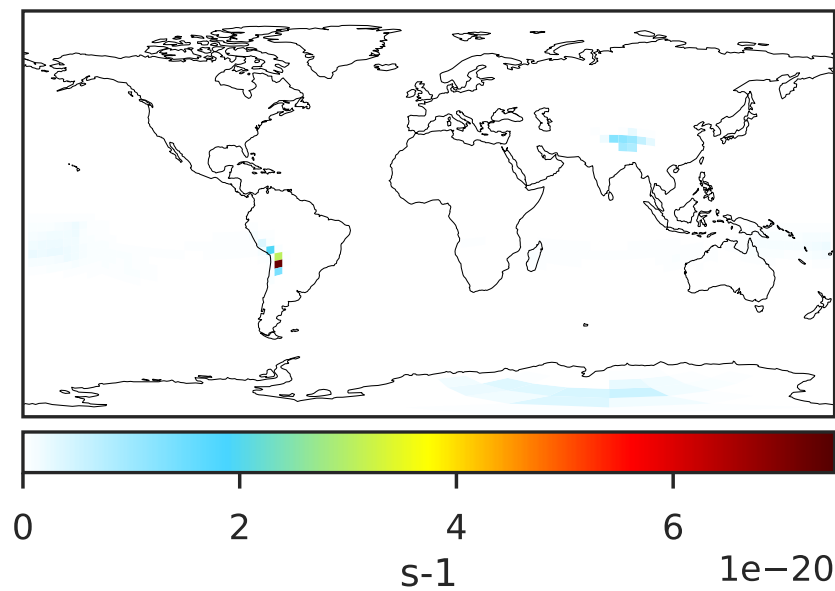


Jval_N2O (Jan2019)

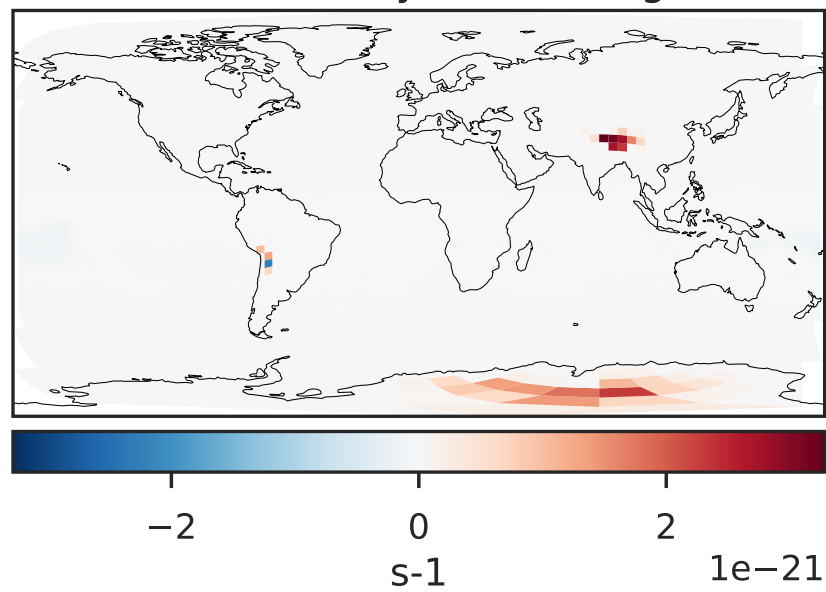
14.2.0-rc.2 (Ref)
c24



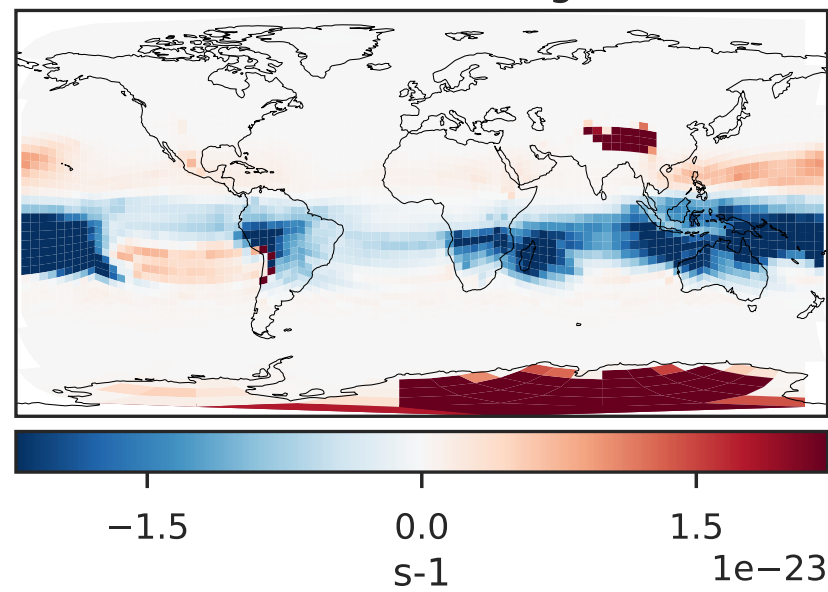
14.3.0-rc.0 (Dev)
c24



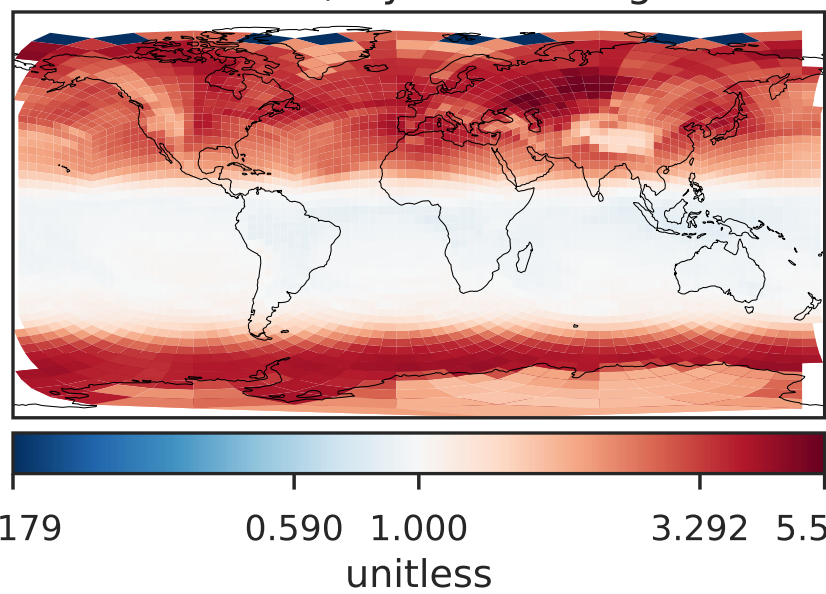
Difference
Dev - Ref, Dynamic Range



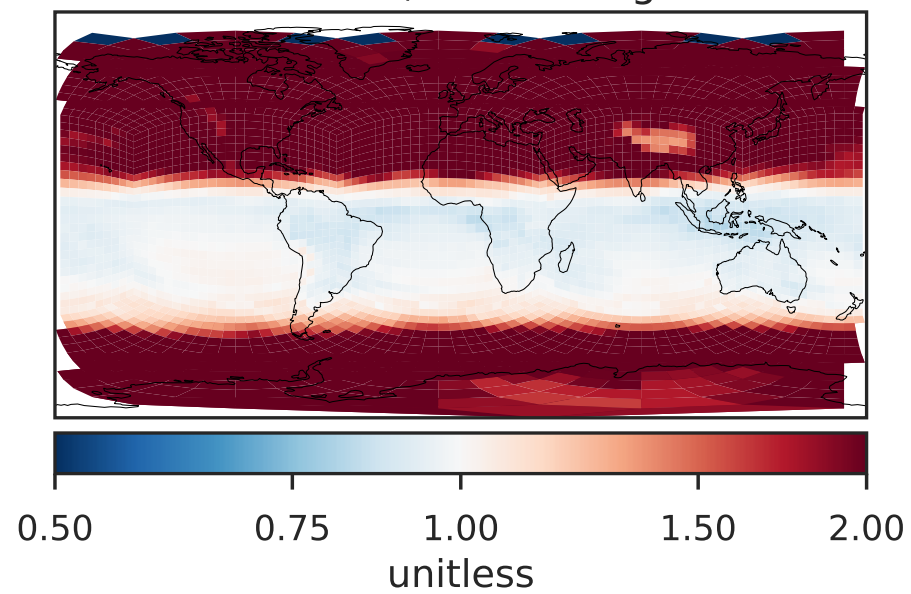
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

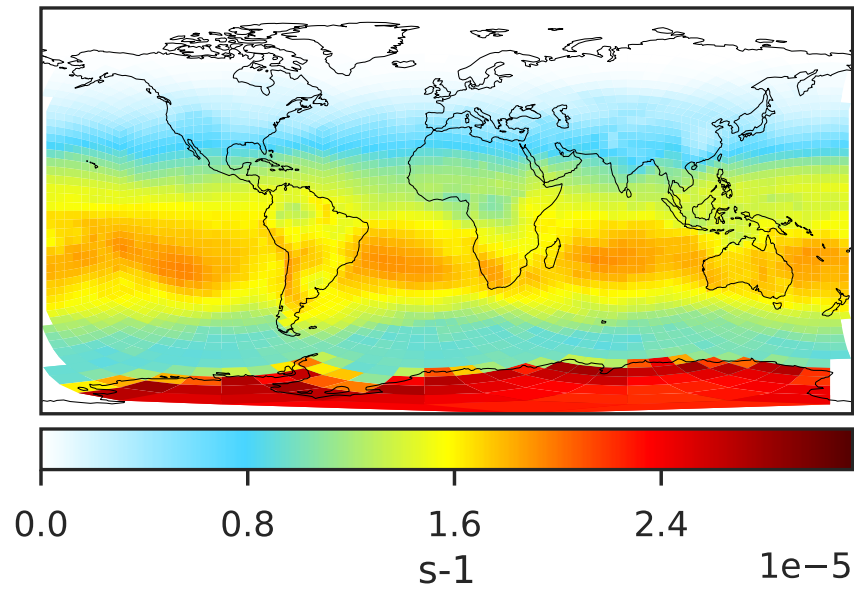


Ratio
Dev/Ref, Fixed Range

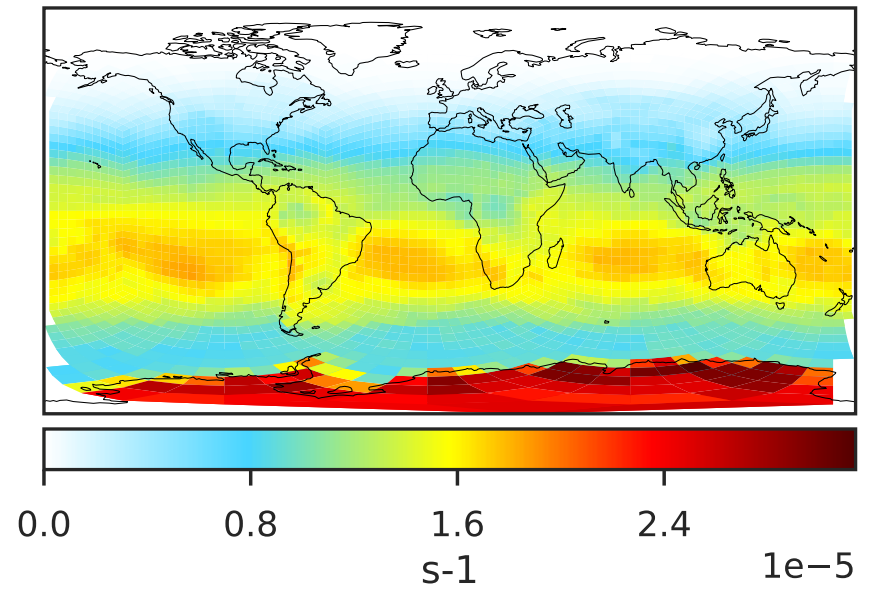


Jval_N2O5 (Jan2019)

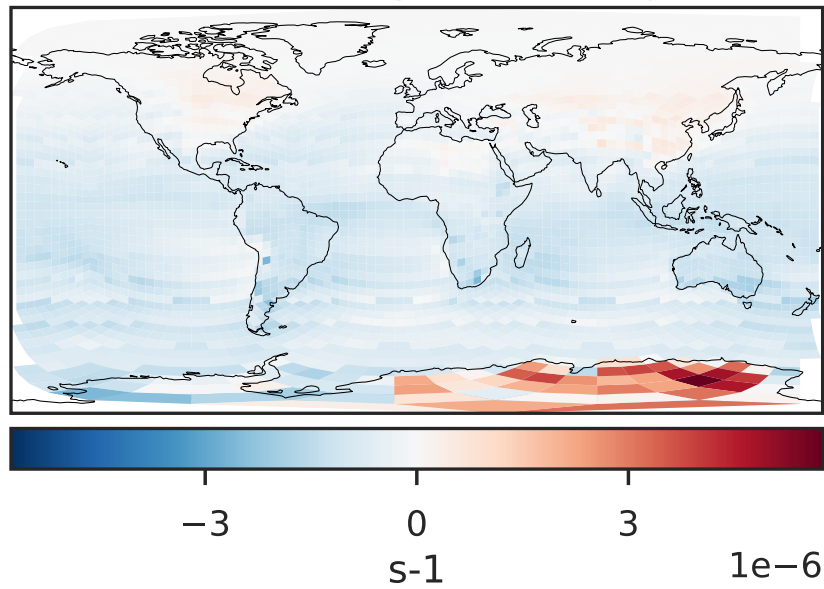
14.2.0-rc.2 (Ref)
c24



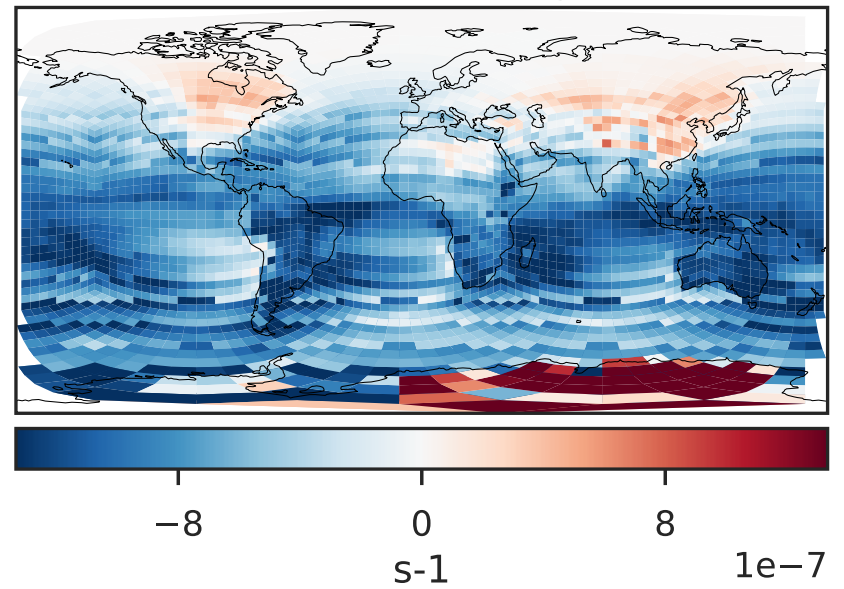
14.3.0-rc.0 (Dev)
c24



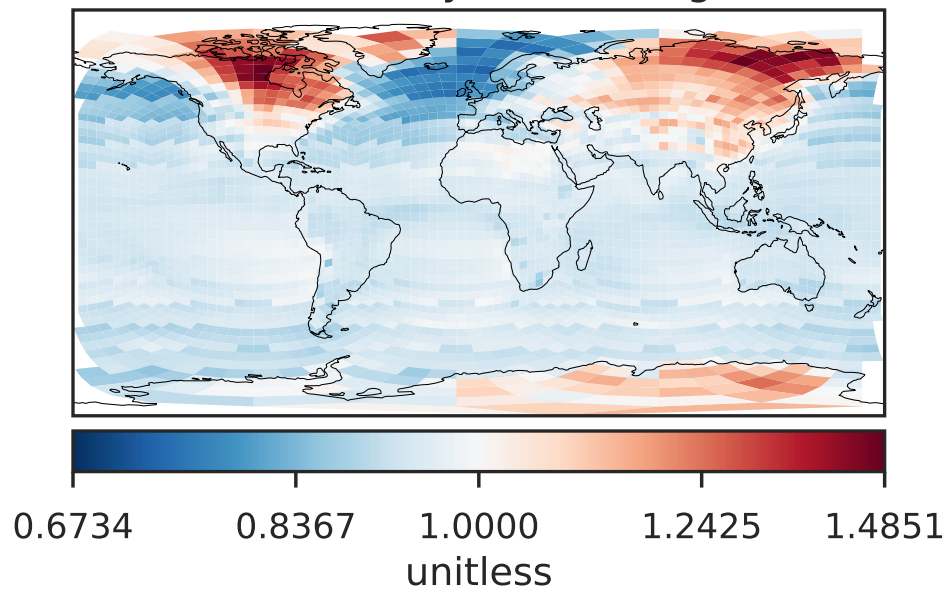
Difference
Dev - Ref, Dynamic Range



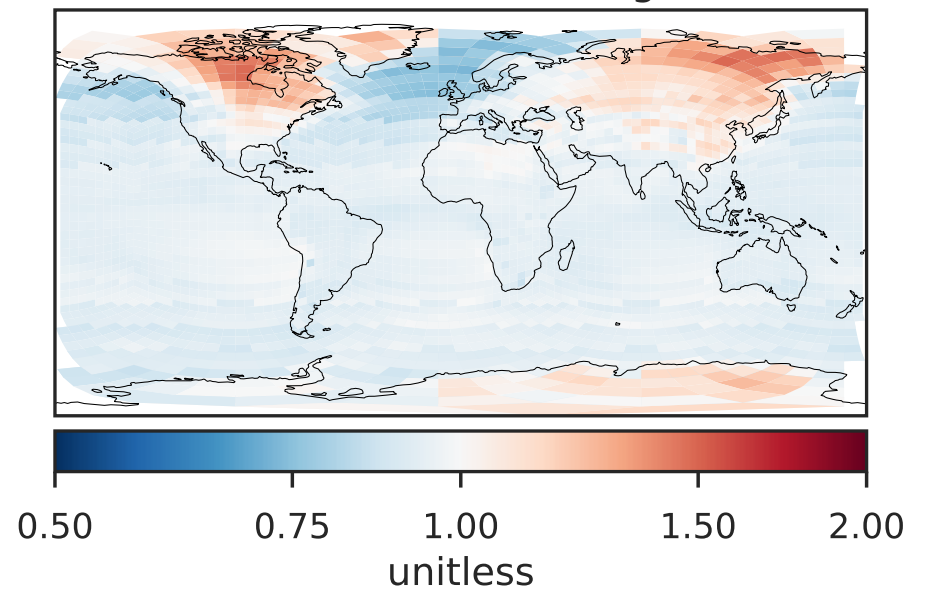
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

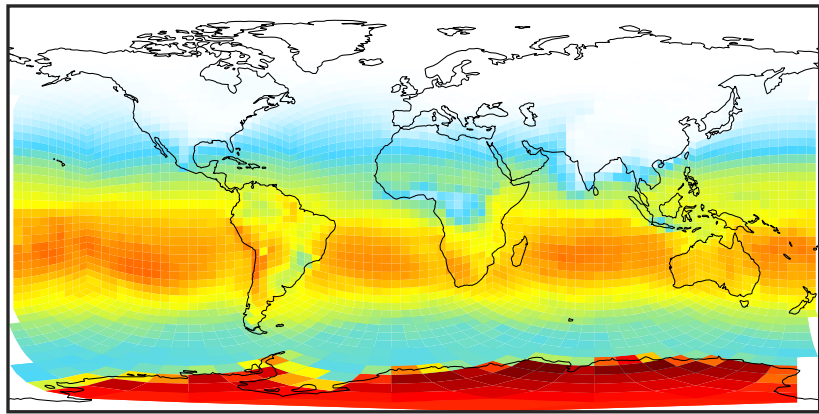


Ratio
Dev/Ref, Fixed Range



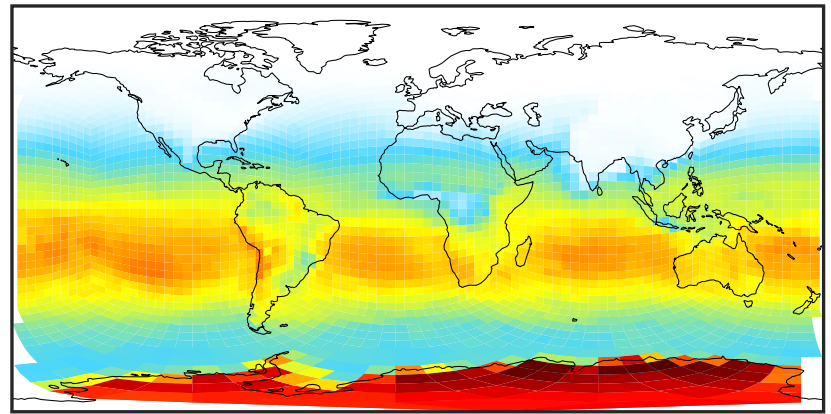
Jval_NIT (Jan2019)

14.2.0-rc.2 (Ref)
c24



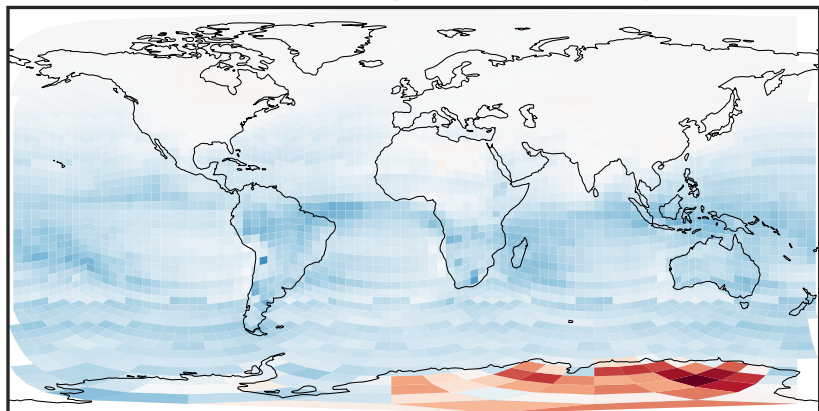
0.0 1.5 3.0 $1e-5$
s-1

14.3.0-rc.0 (Dev)
c24



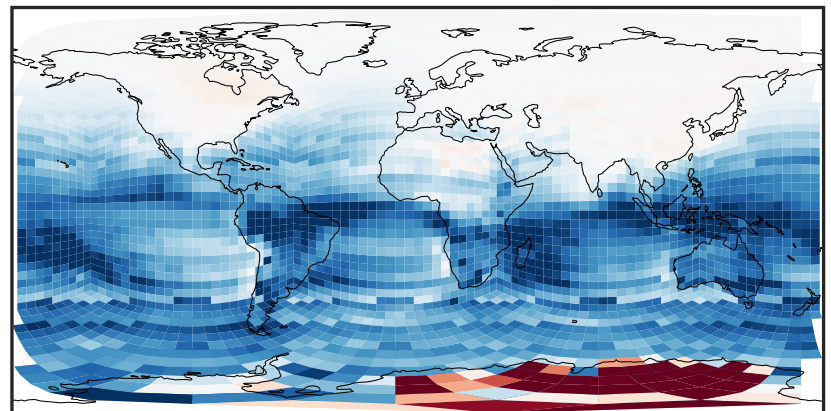
0.0 1.5 3.0 $1e-5$
s-1

Difference
Dev - Ref, Dynamic Range



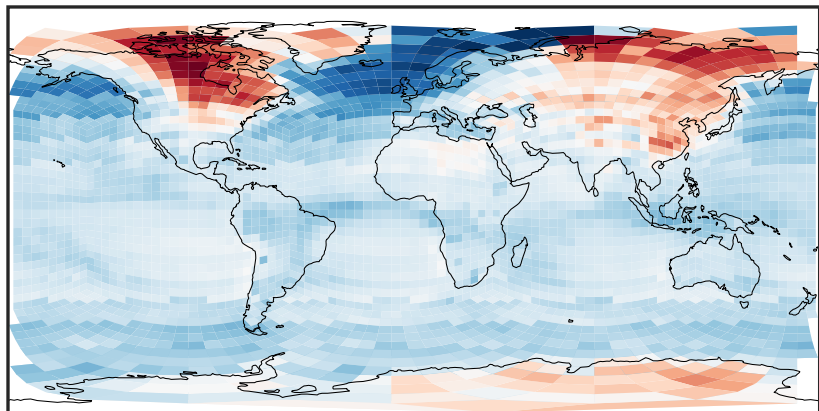
-2 0 2 $1e-6$
s-1

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



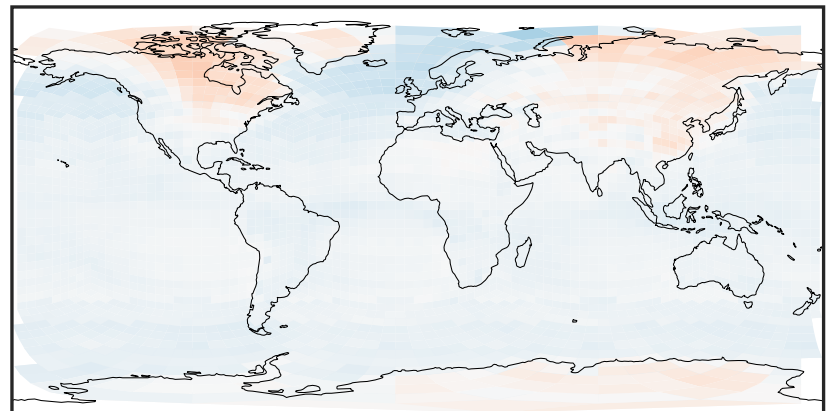
-6 0 6 $1e-7$
s-1

Ratio
Dev/Ref, Dynamic Range



0.8381 0.9191 1.0000 1.0966 1.1931
unitless

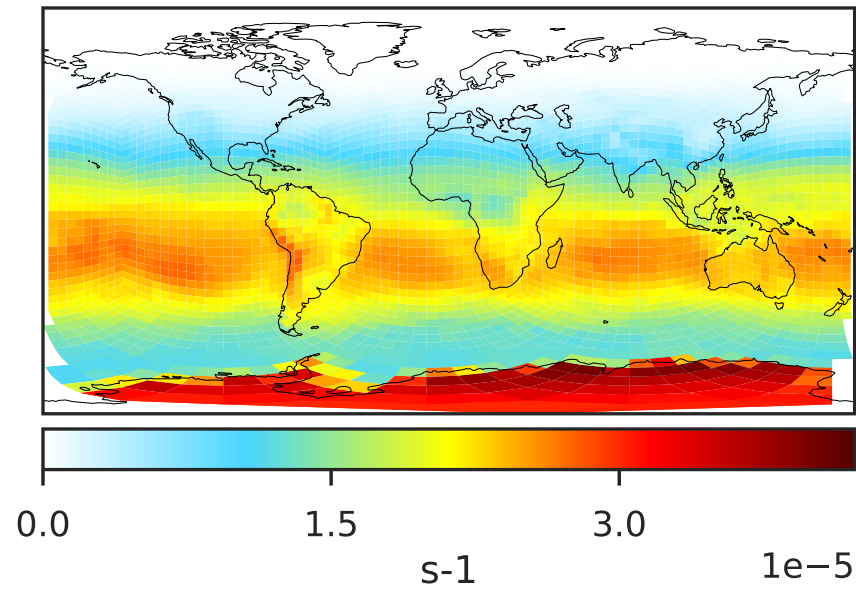
Ratio
Dev/Ref, Fixed Range



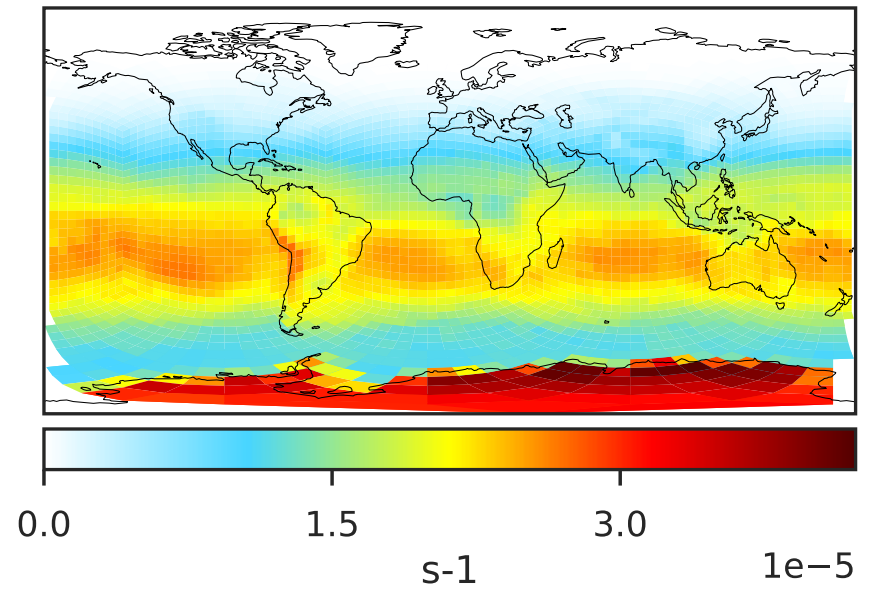
0.50 0.75 1.00 1.50 2.00
unitless

Jval_NITs (Jan2019)

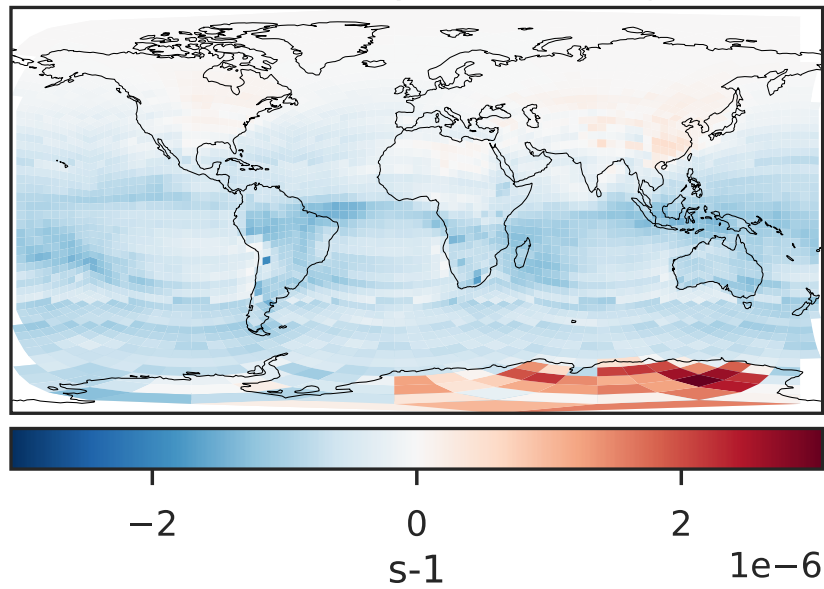
14.2.0-rc.2 (Ref)
c24



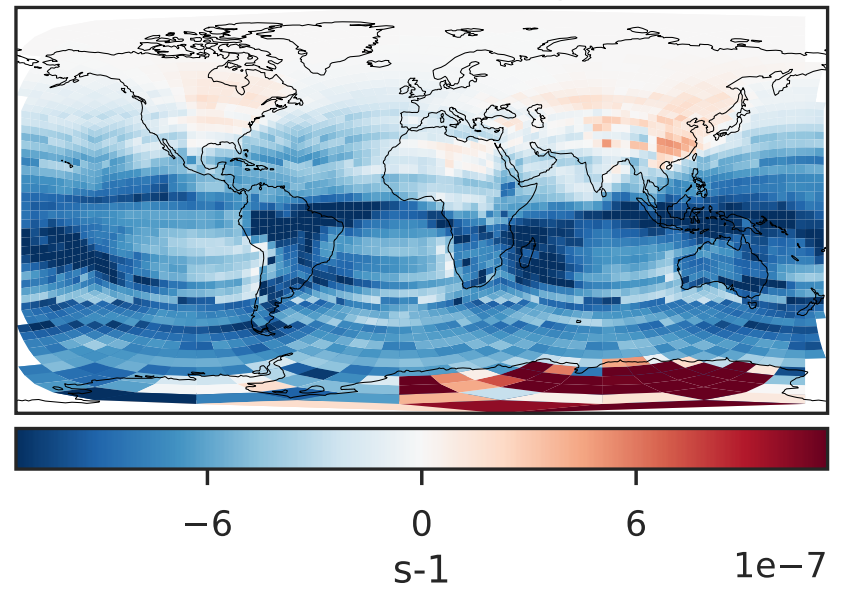
14.3.0-rc.0 (Dev)
c24



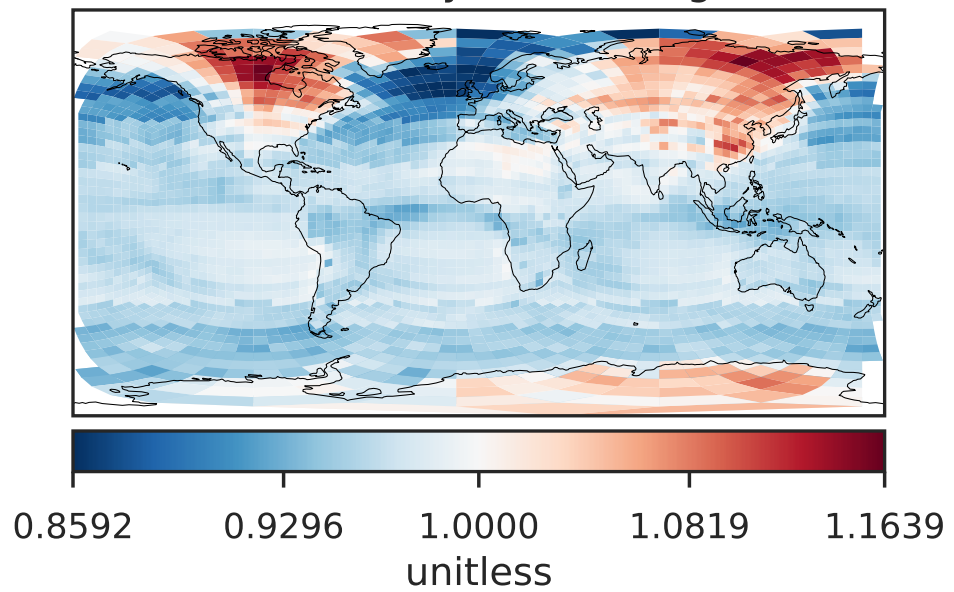
Difference
Dev - Ref, Dynamic Range



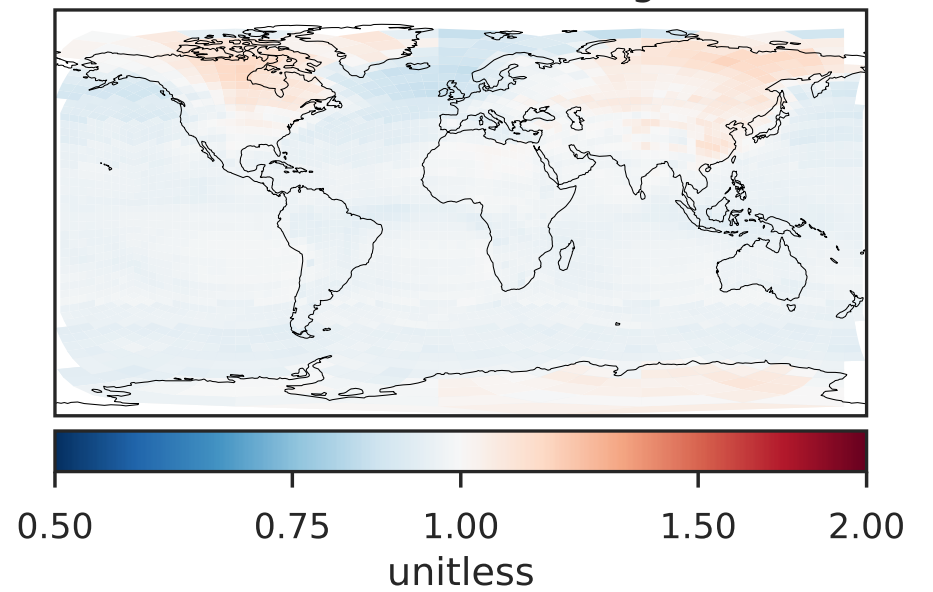
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

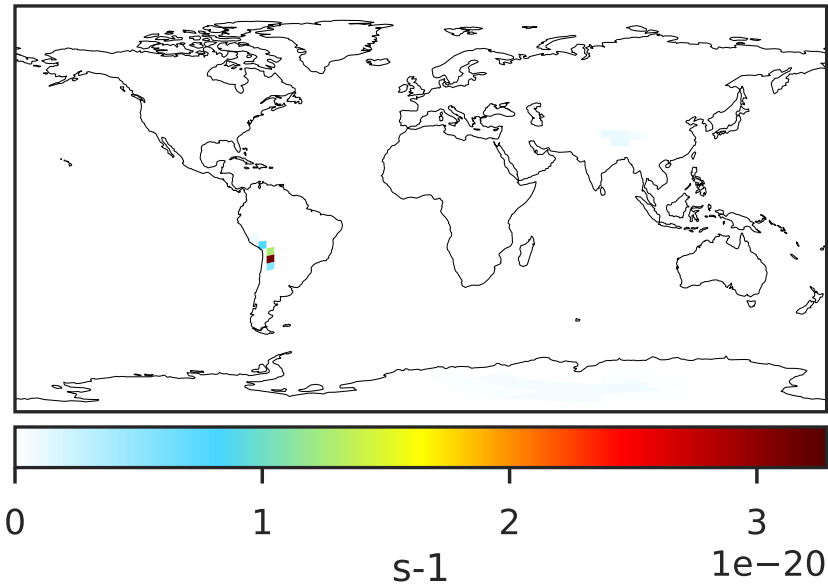


Ratio
Dev/Ref, Fixed Range

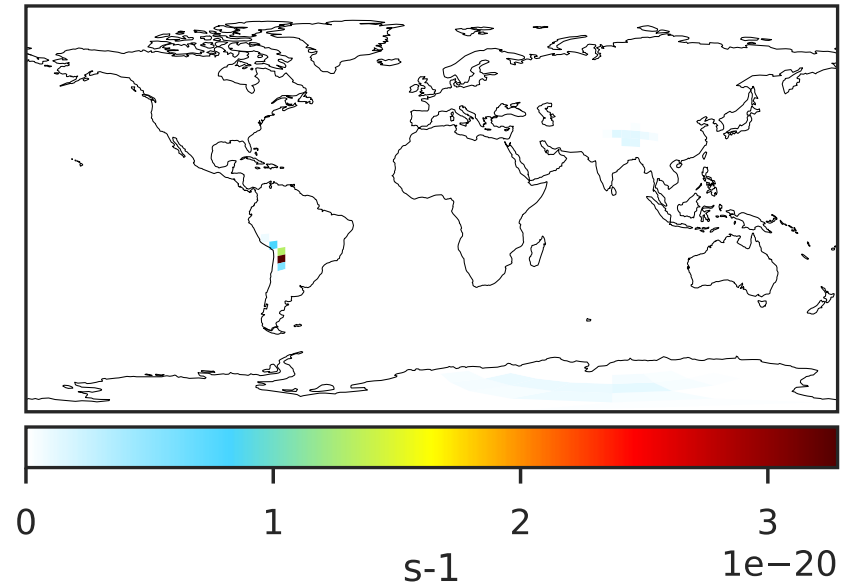


Jval_NO (Jan2019)

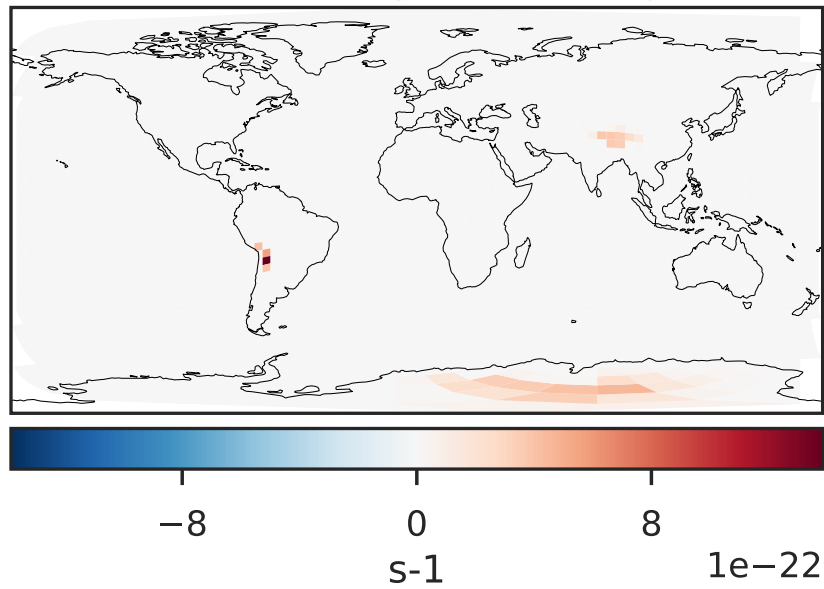
14.2.0-rc.2 (Ref)
c24



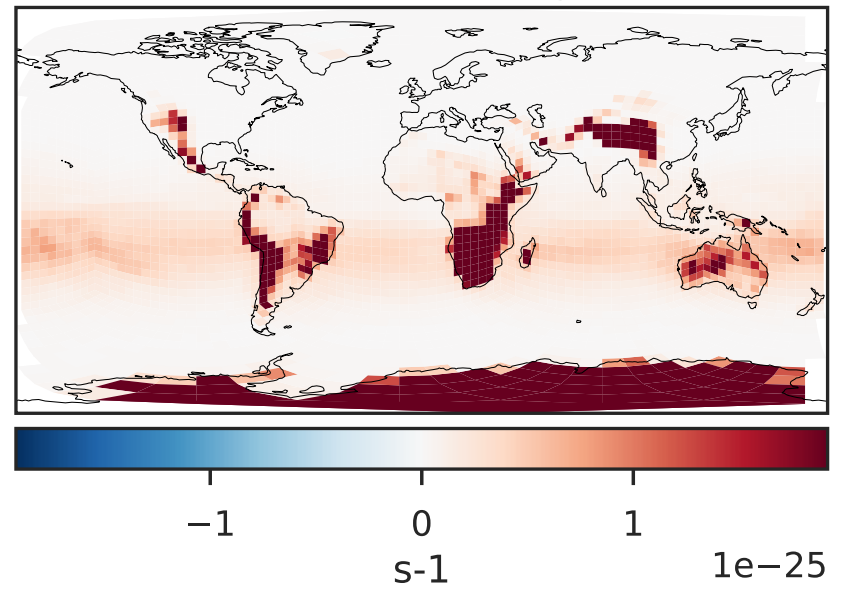
14.3.0-rc.0 (Dev)
c24



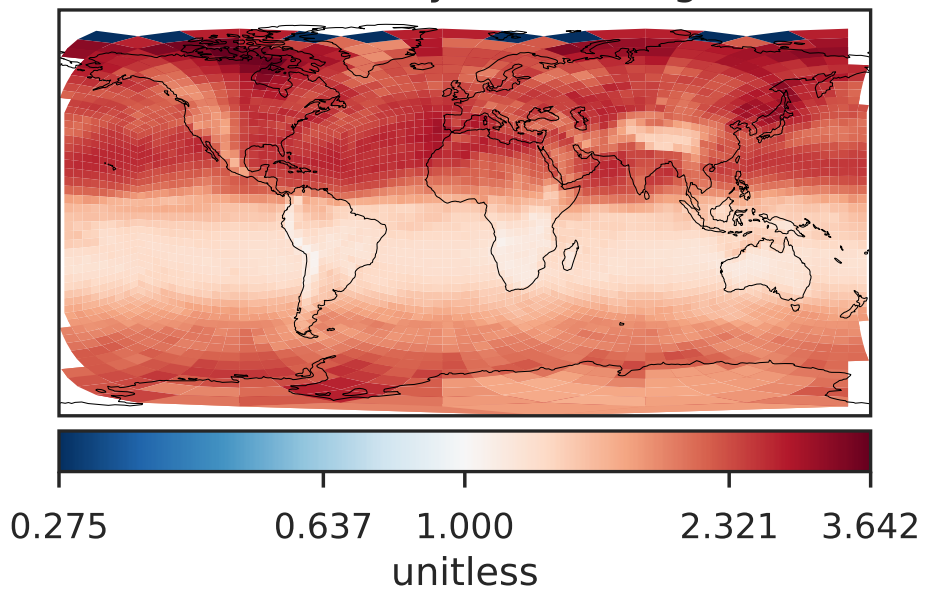
Difference
Dev - Ref, Dynamic Range



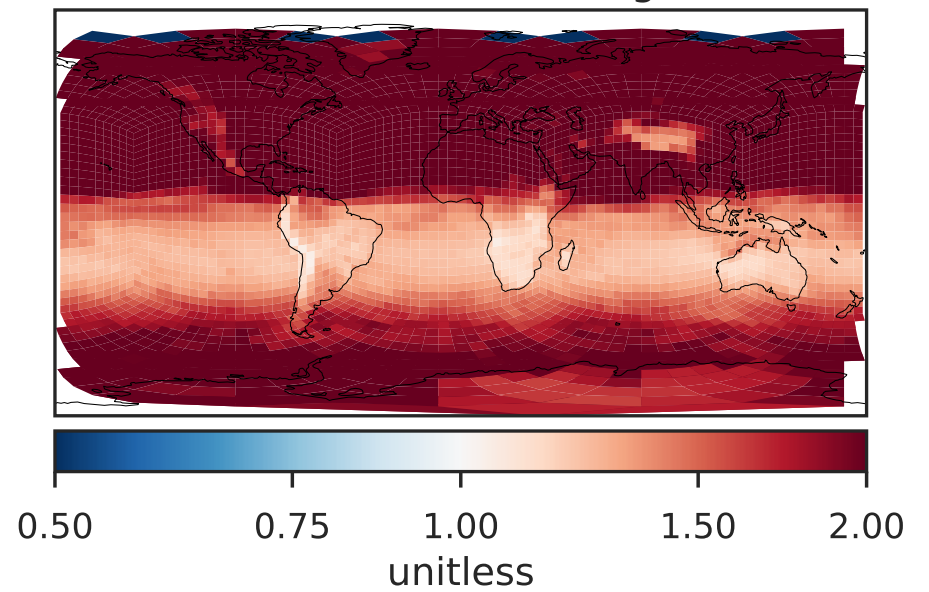
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

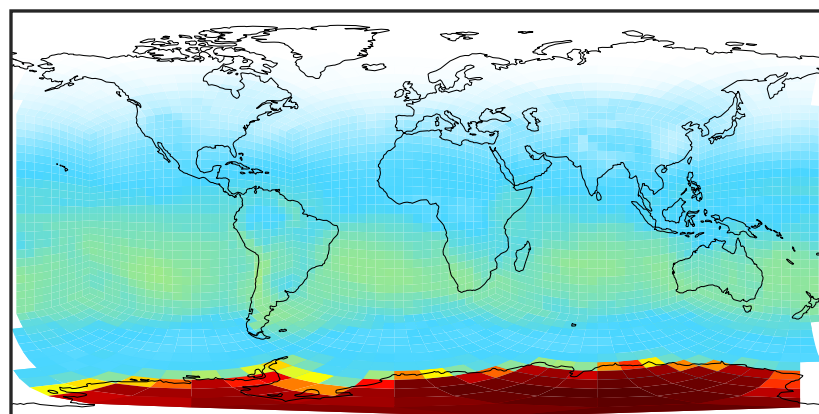


Ratio
Dev/Ref, Fixed Range



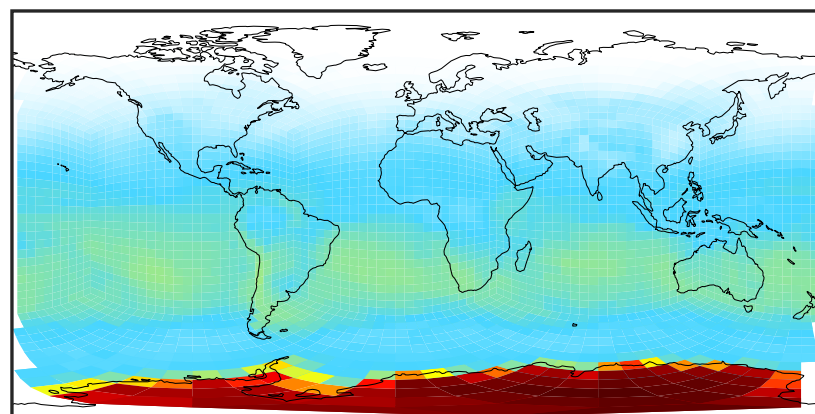
Jval_NO2 (Jan2019)

14.2.0-rc.2 (Ref)
c24



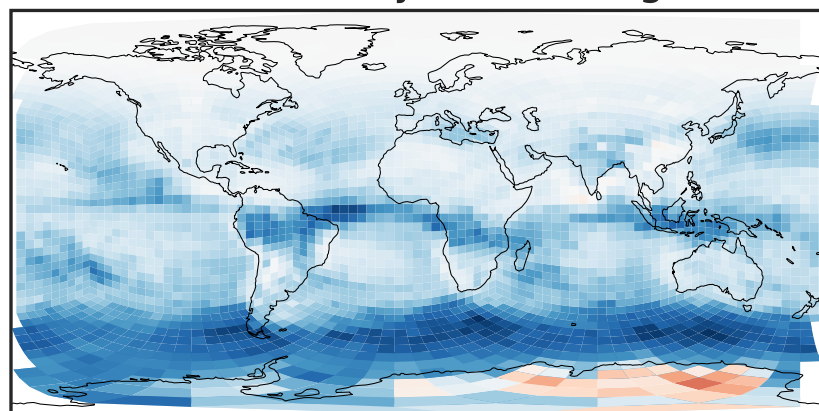
0.000 0.003 0.006 0.009
s-1

14.3.0-rc.0 (Dev)
c24



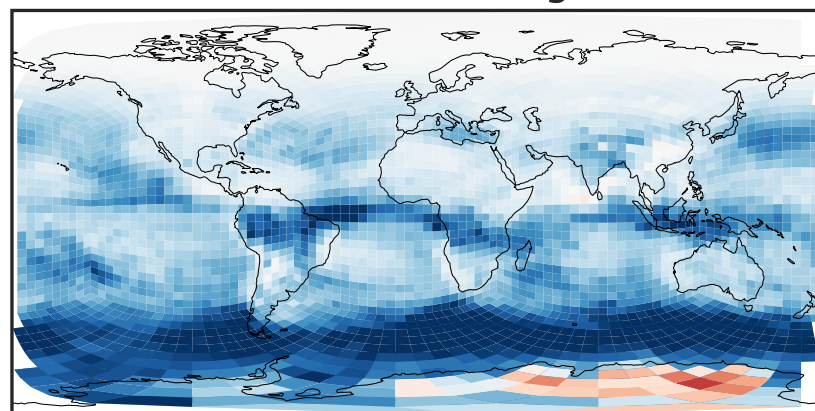
0.000 0.003 0.006 0.009
s-1

Difference
Dev - Ref, Dynamic Range



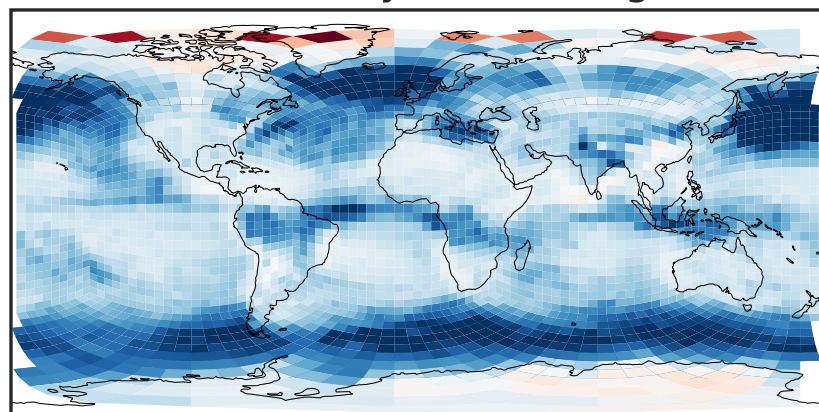
-0.0001 0.0000 0.0001
s-1

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



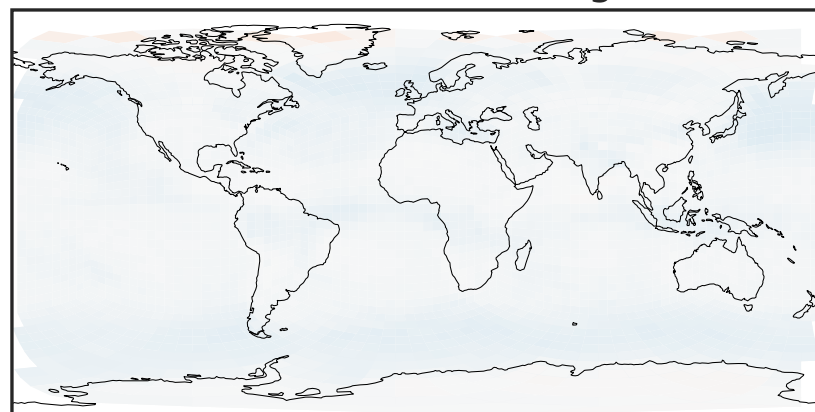
-8 0 8
s-1 1e-5

Ratio
Dev/Ref, Dynamic Range



0.9396 0.9698 1.0000 1.0321 1.0643
unitless

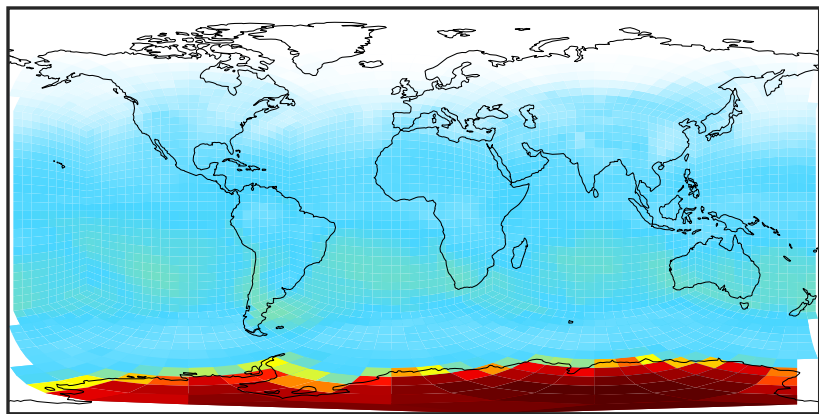
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

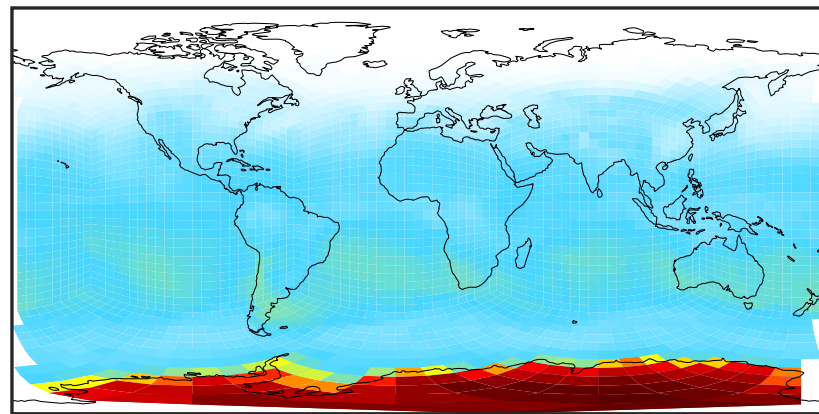
Jval_NO3 (Jan2019)

14.2.0-rc.2 (Ref)
c24



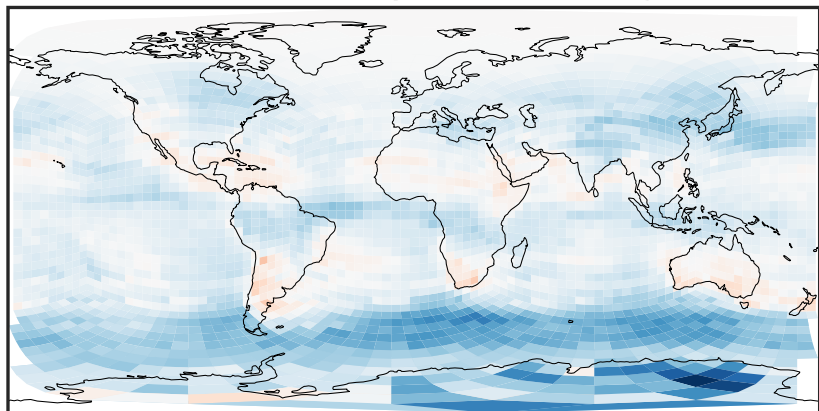
0.0000 0.0855 0.1710 0.2565 0.3420
s-1

14.3.0-rc.0 (Dev)
c24



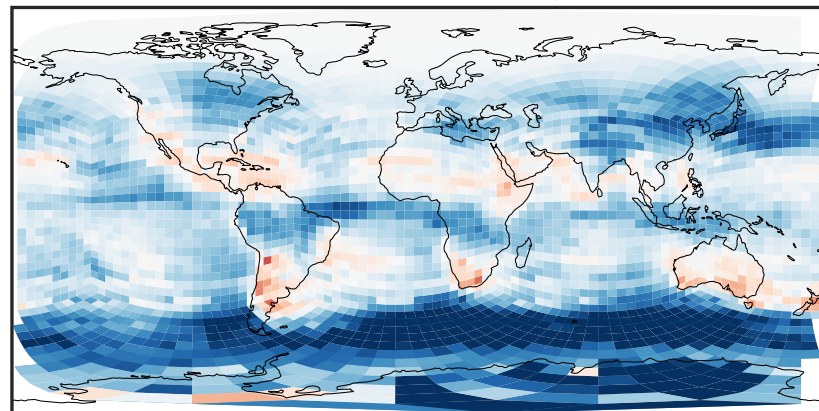
0.0000 0.0855 0.1710 0.2565 0.3420
s-1

Difference
Dev - Ref, Dynamic Range



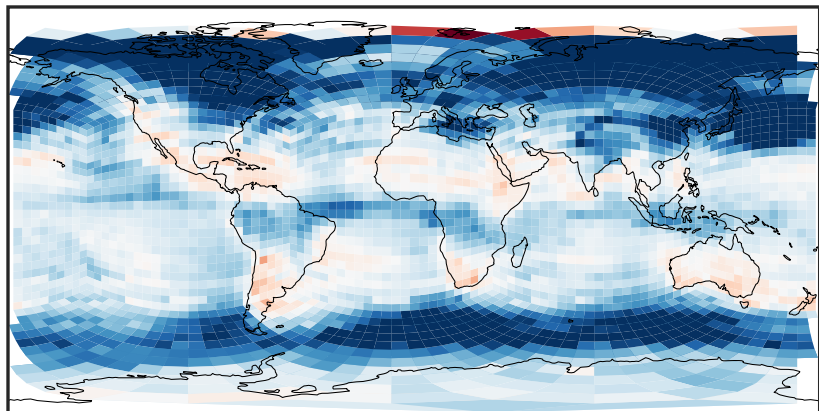
-0.006 0.000 0.006
s-1

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



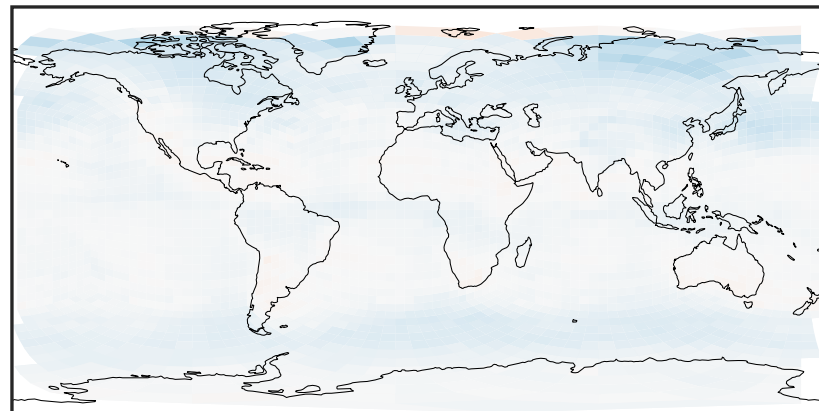
-0.003 0.000 0.003
s-1

Ratio
Dev/Ref, Dynamic Range



0.9233 0.9617 1.0000 1.0415 1.0831
unitless

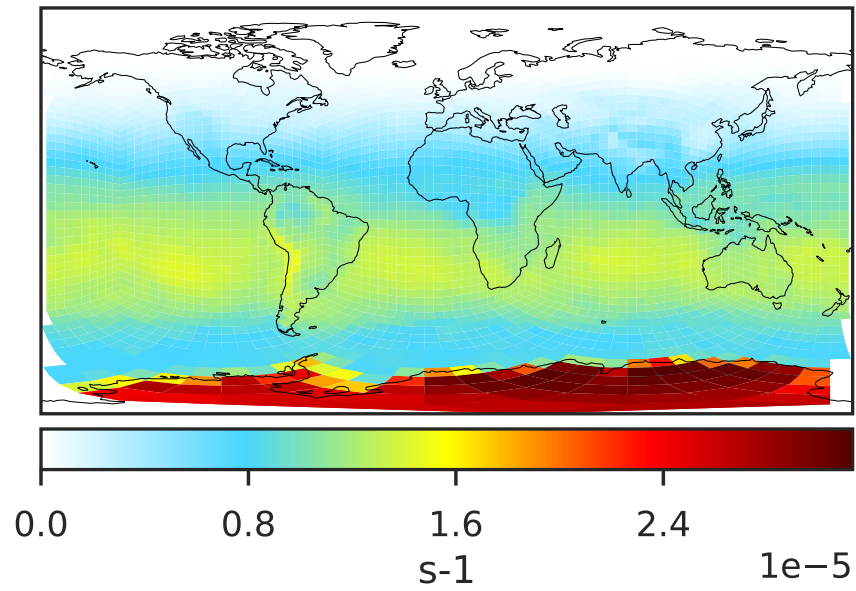
Ratio
Dev/Ref, Fixed Range



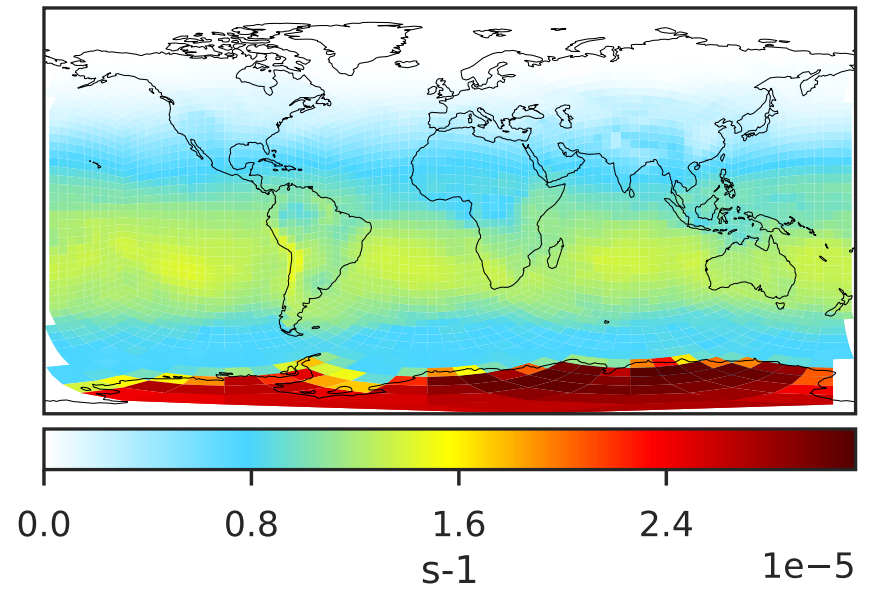
0.50 0.75 1.00 1.50 2.00
unitless

Jval_NPHEN (Jan2019)

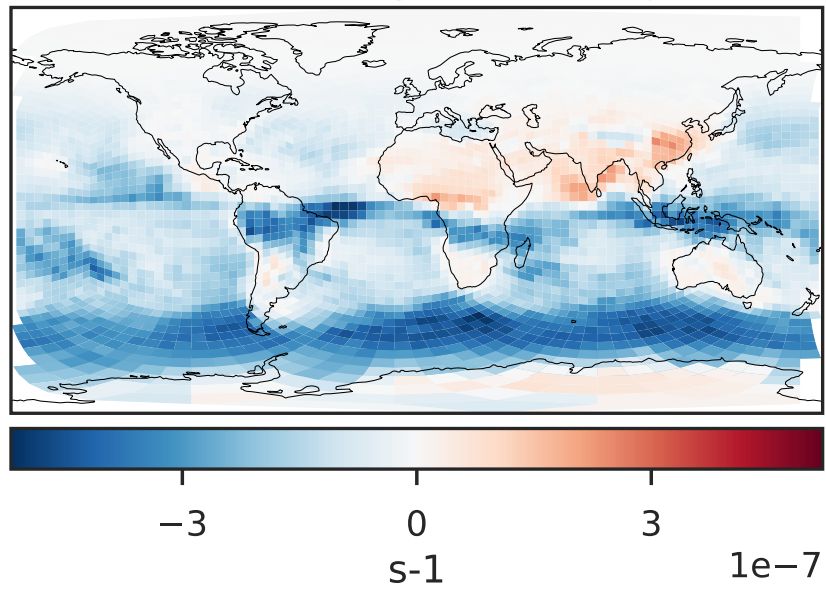
14.2.0-rc.2 (Ref)
c24



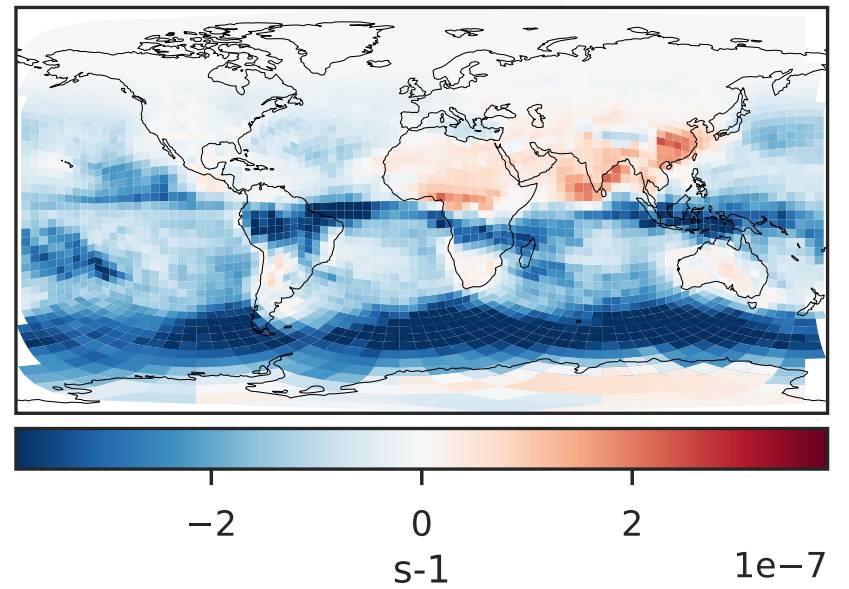
14.3.0-rc.0 (Dev)
c24



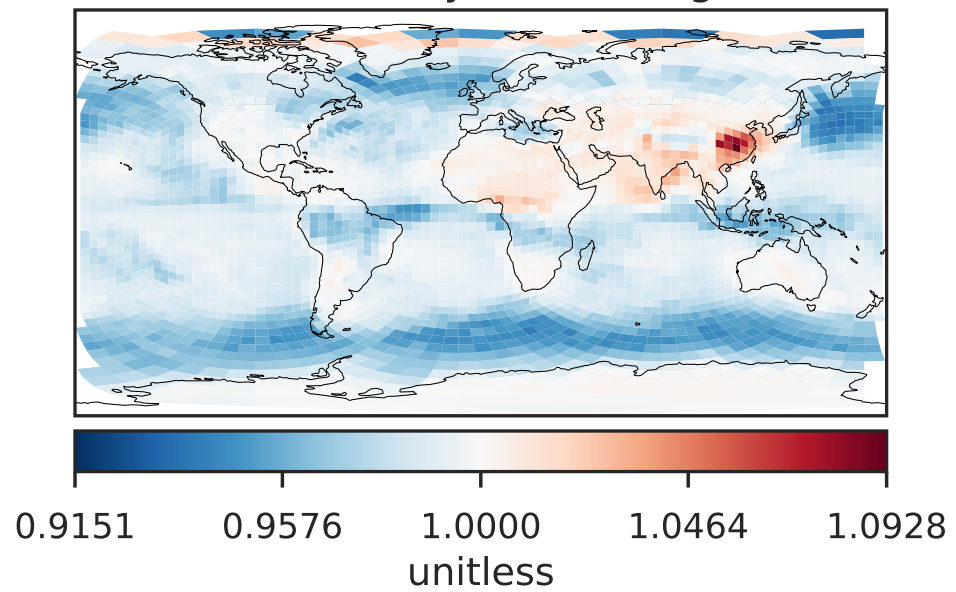
Difference
Dev - Ref, Dynamic Range



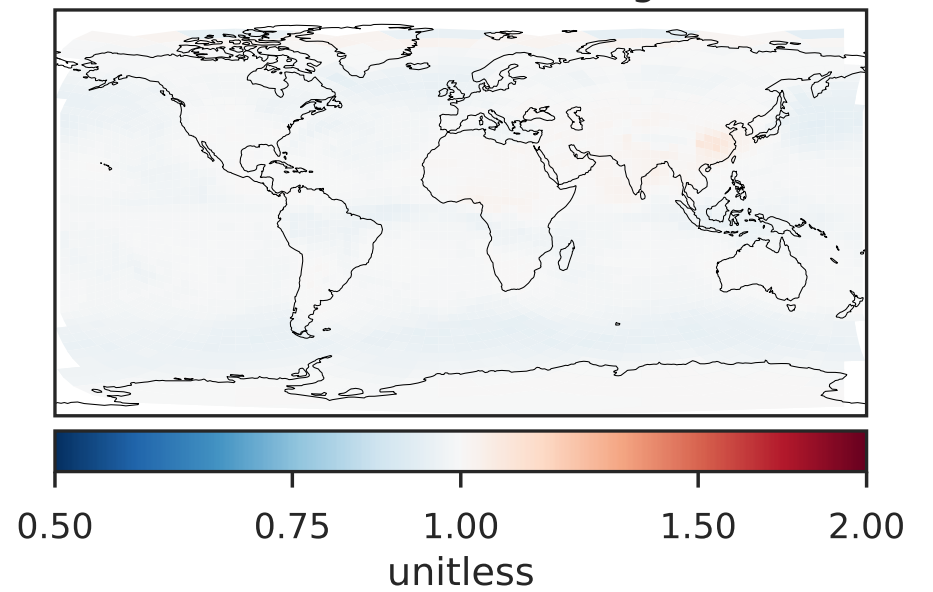
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

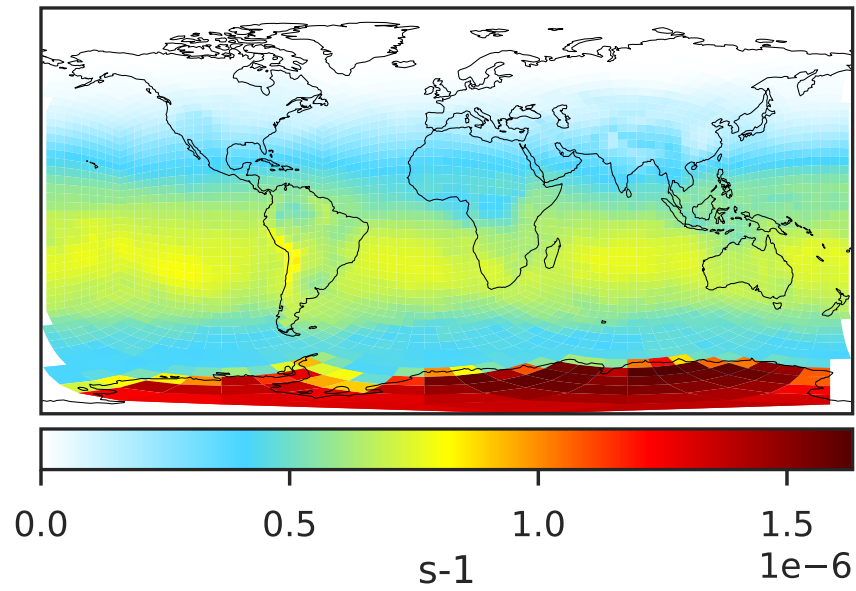


Ratio
Dev/Ref, Fixed Range

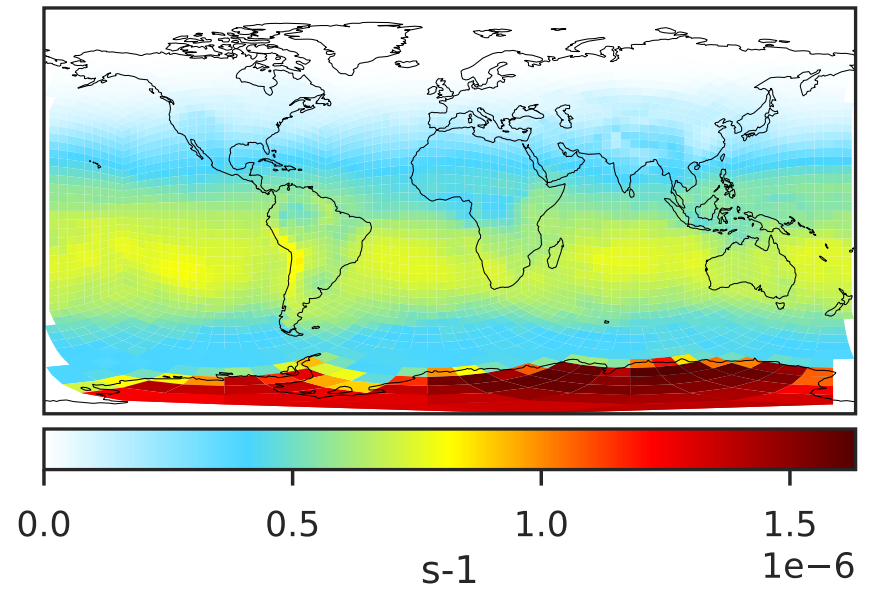


Jval_NPRNO3 (Jan2019)

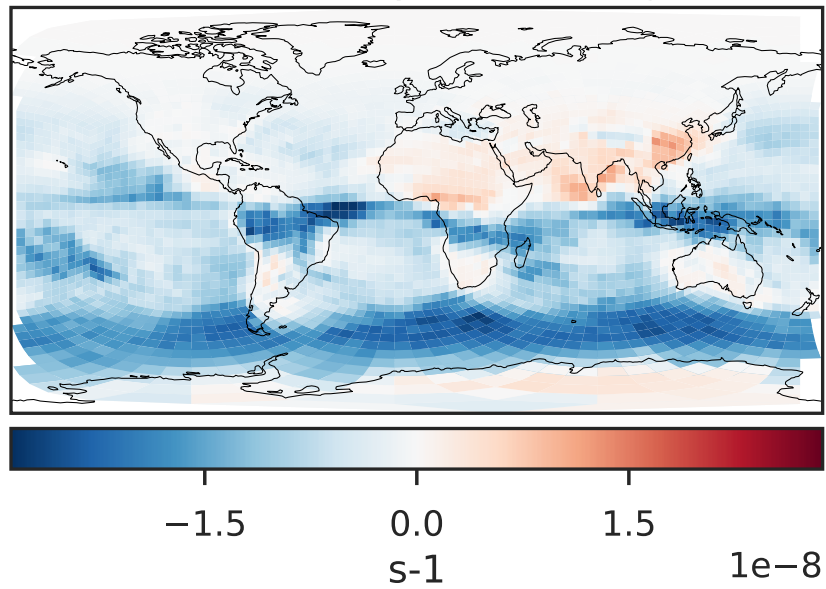
14.2.0-rc.2 (Ref)
c24



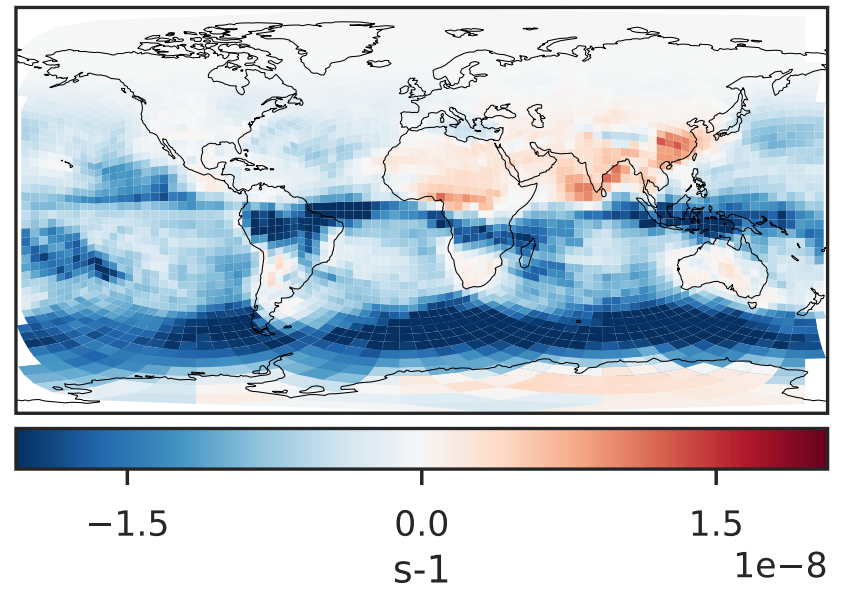
14.3.0-rc.0 (Dev)
c24



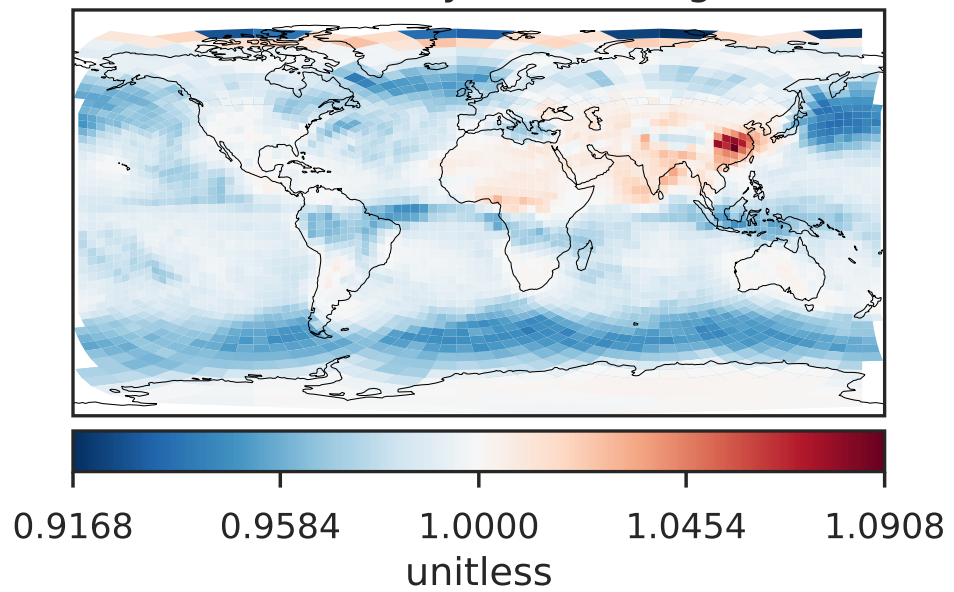
Difference
Dev - Ref, Dynamic Range



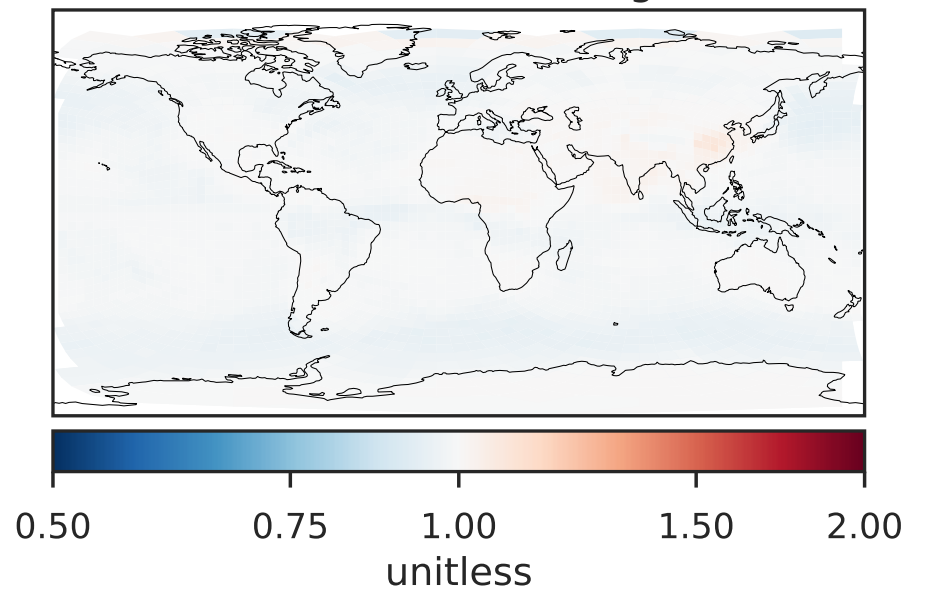
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

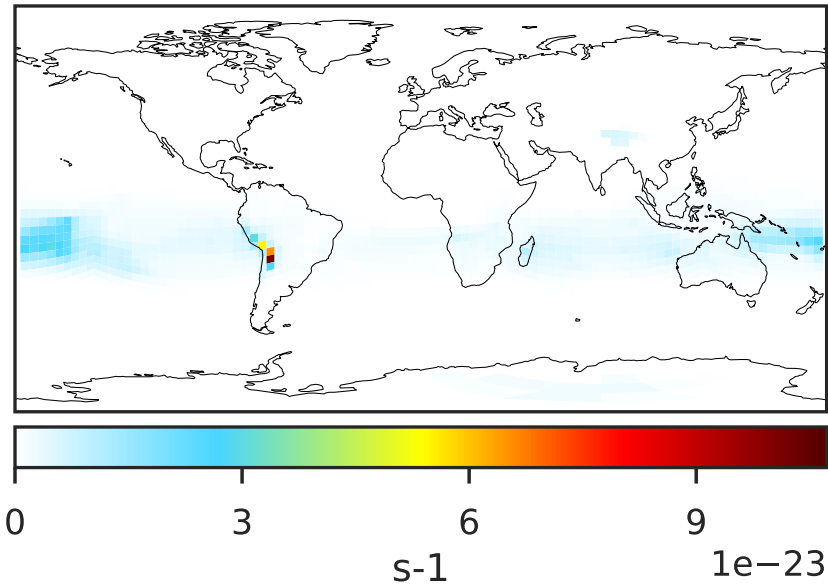


Ratio
Dev/Ref, Fixed Range

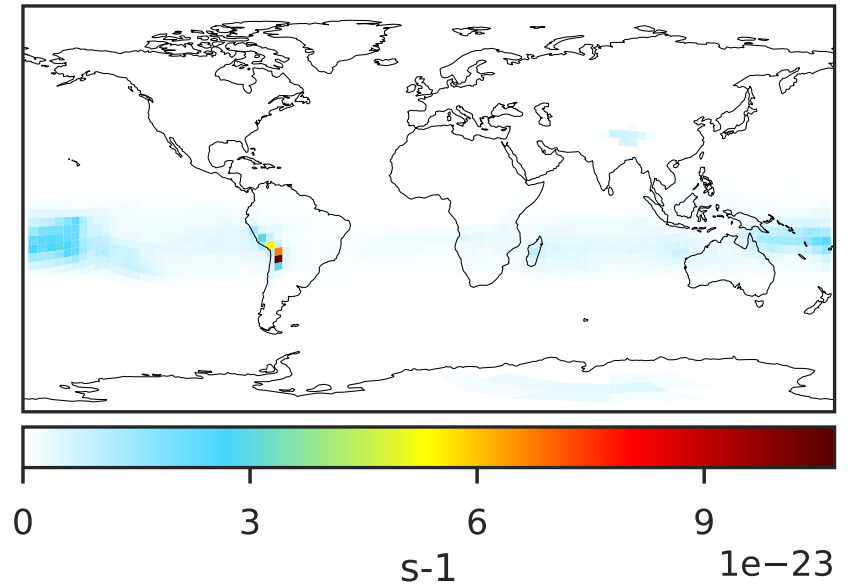


Jval_O2 (Jan2019)

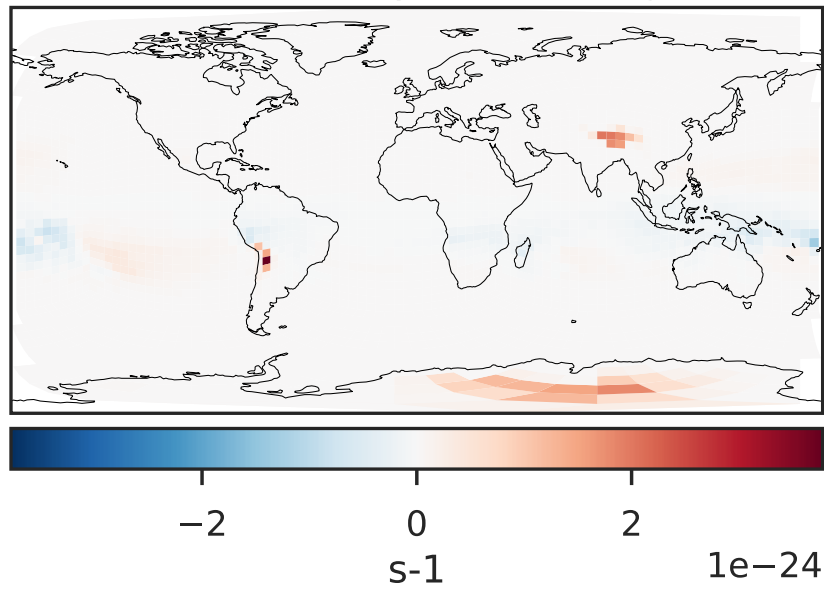
14.2.0-rc.2 (Ref)
c24



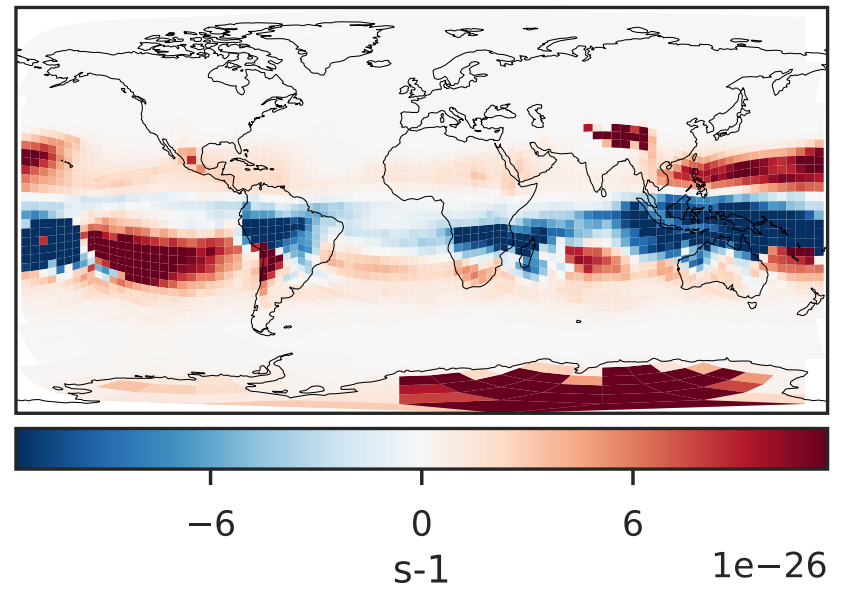
14.3.0-rc.0 (Dev)
c24



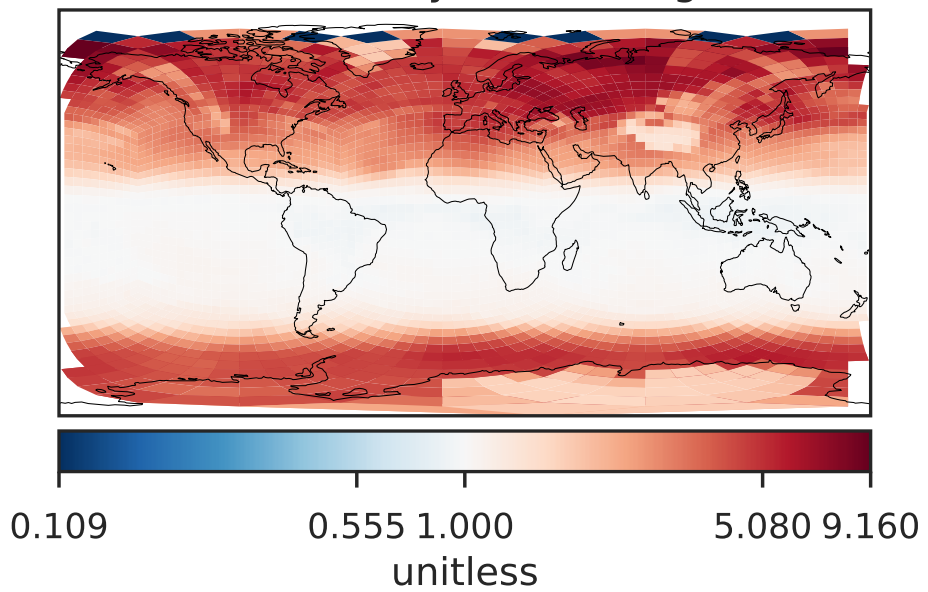
Difference
Dev - Ref, Dynamic Range



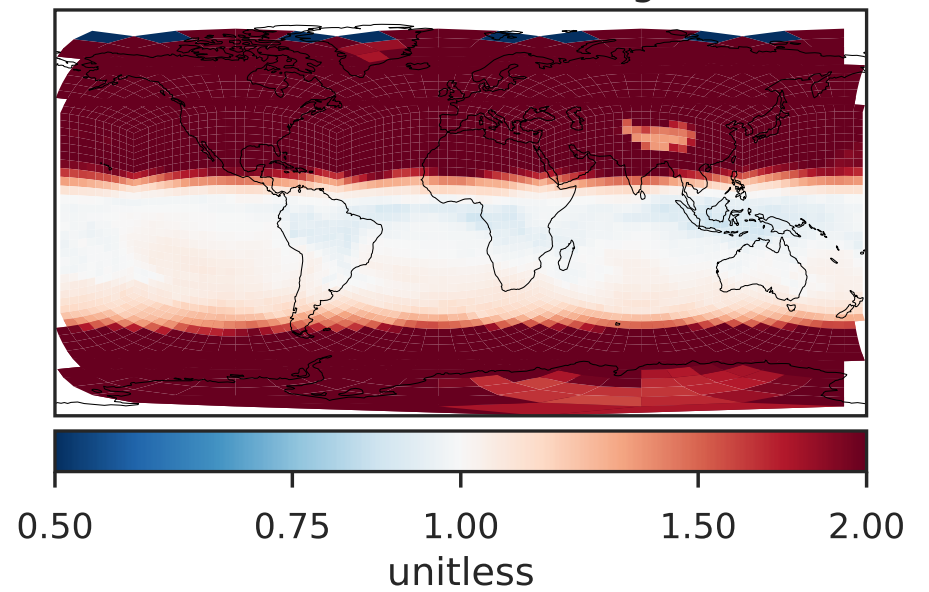
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

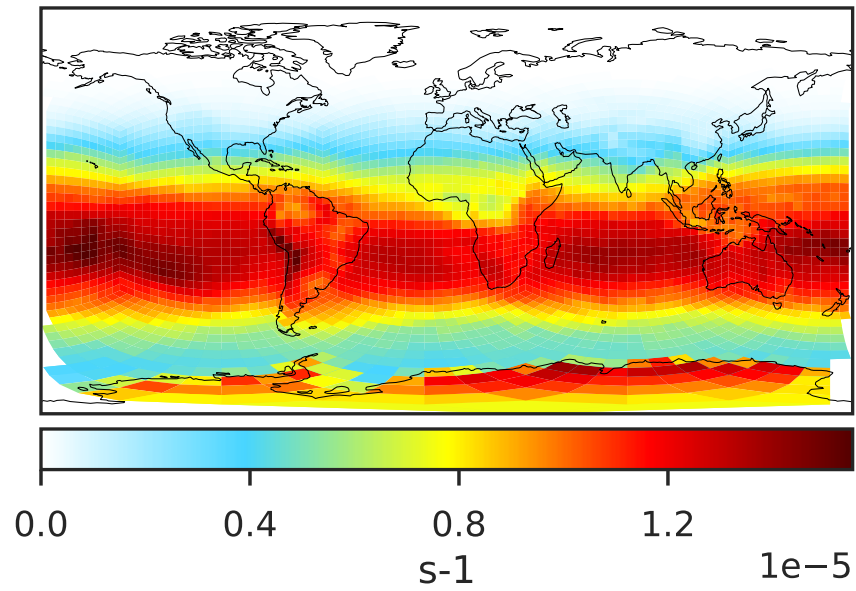


Ratio
Dev/Ref, Fixed Range

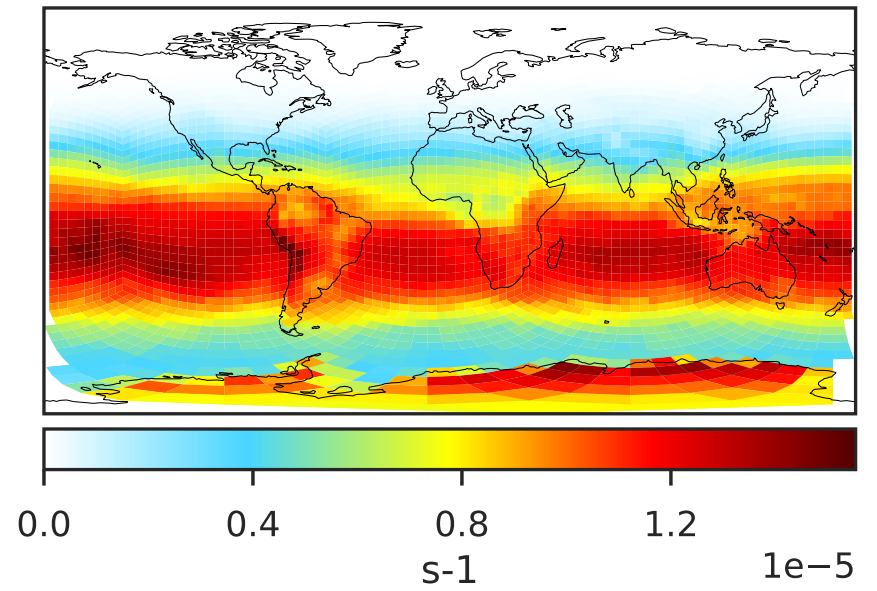


Jval_O3 (Jan2019)

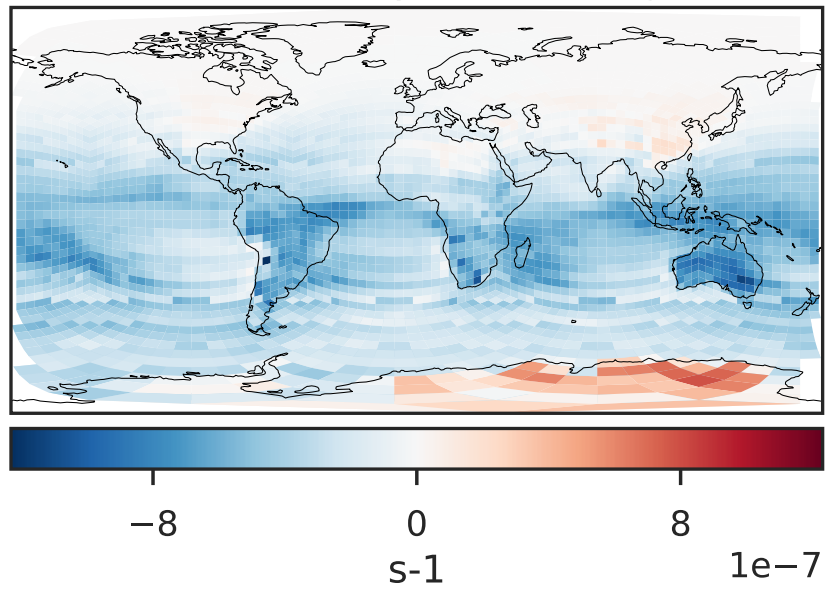
14.2.0-rc.2 (Ref)
c24



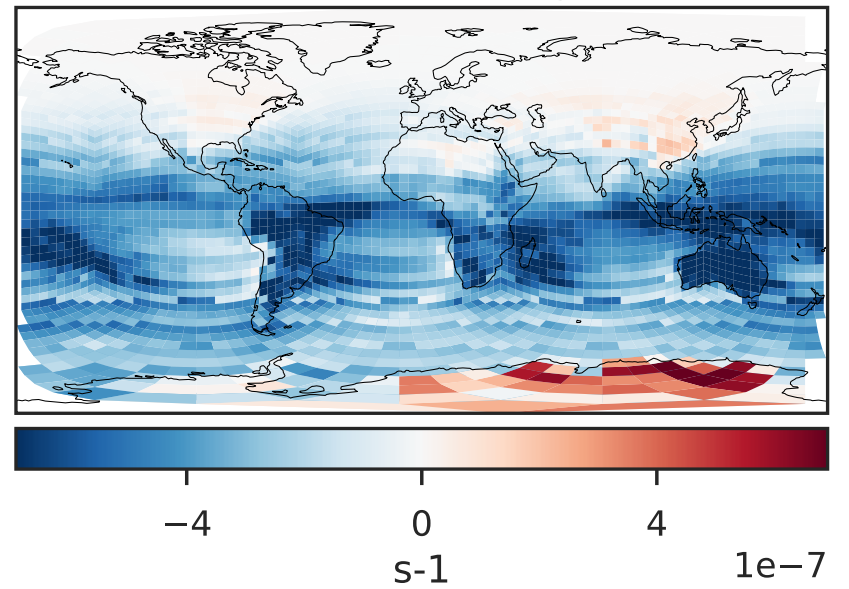
14.3.0-rc.0 (Dev)
c24



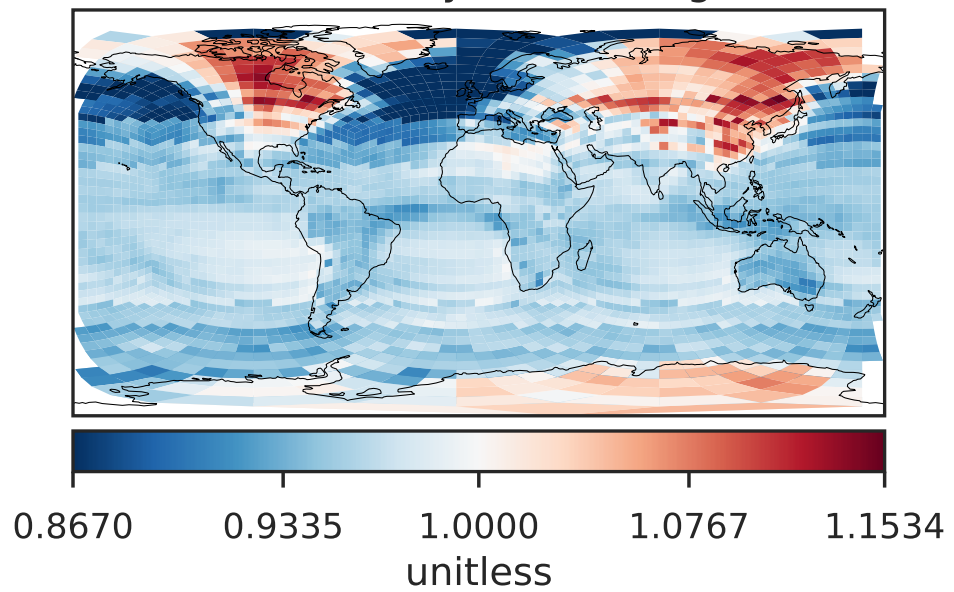
Difference
Dev - Ref, Dynamic Range



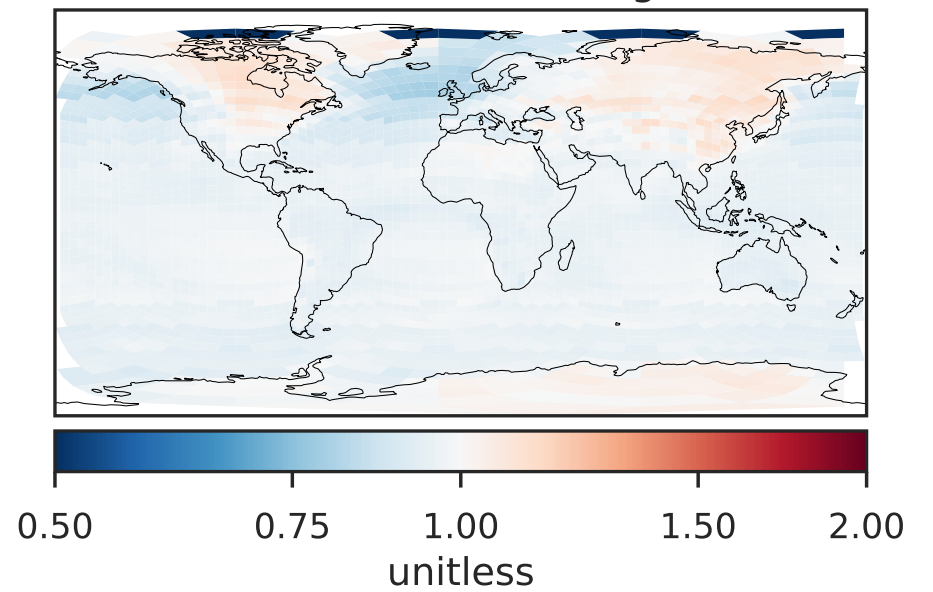
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

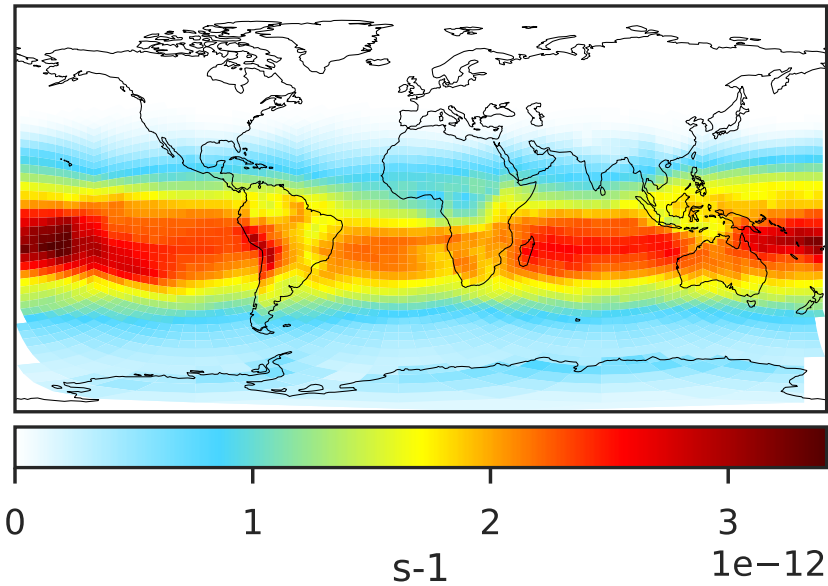


Ratio
Dev/Ref, Fixed Range

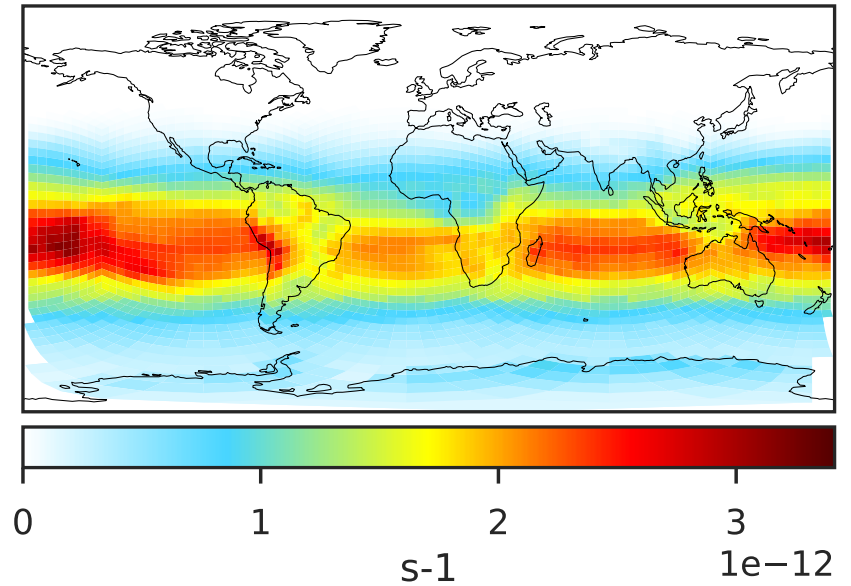


Jval_OCS (Jan2019)

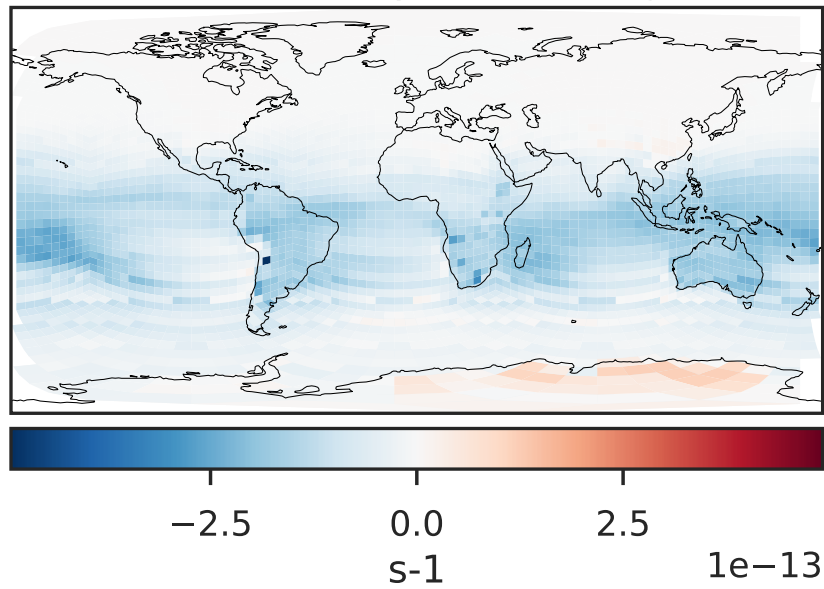
14.2.0-rc.2 (Ref)
c24



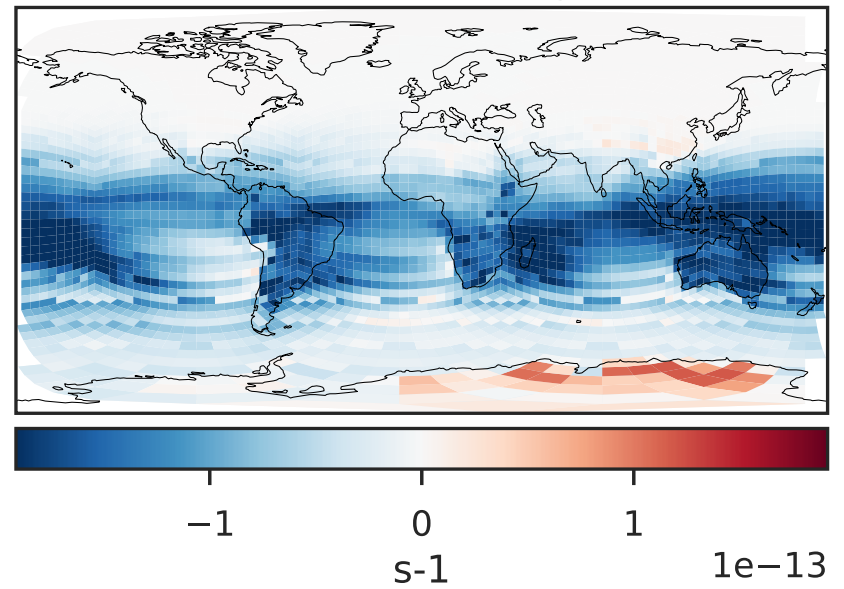
14.3.0-rc.0 (Dev)
c24



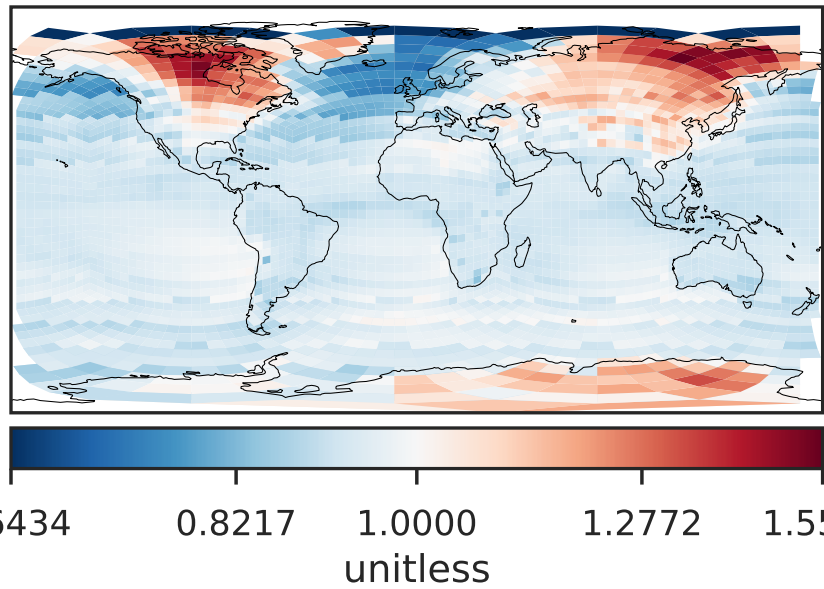
Difference
Dev - Ref, Dynamic Range



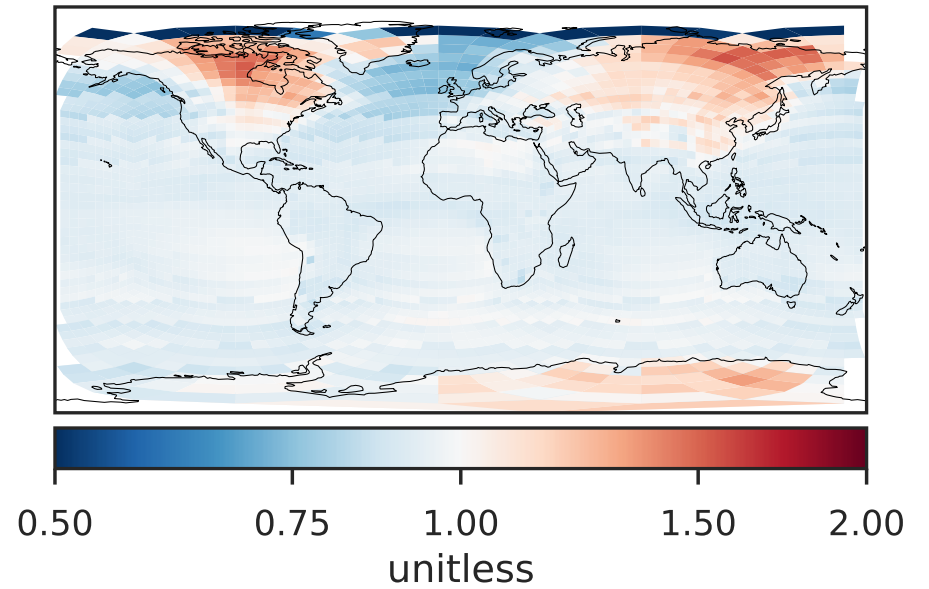
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

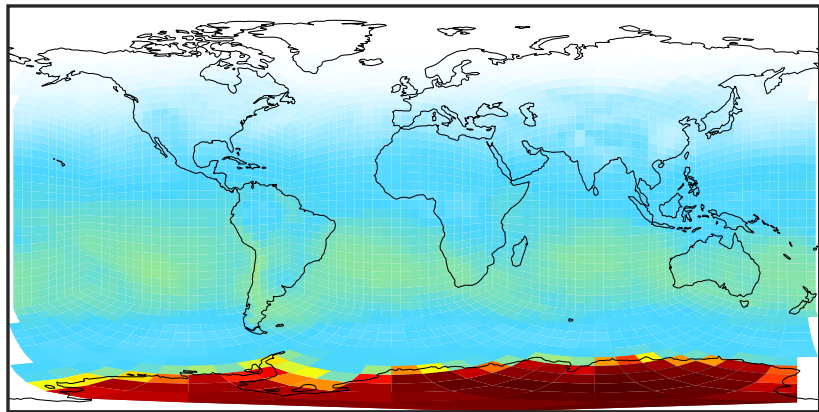


Ratio
Dev/Ref, Fixed Range



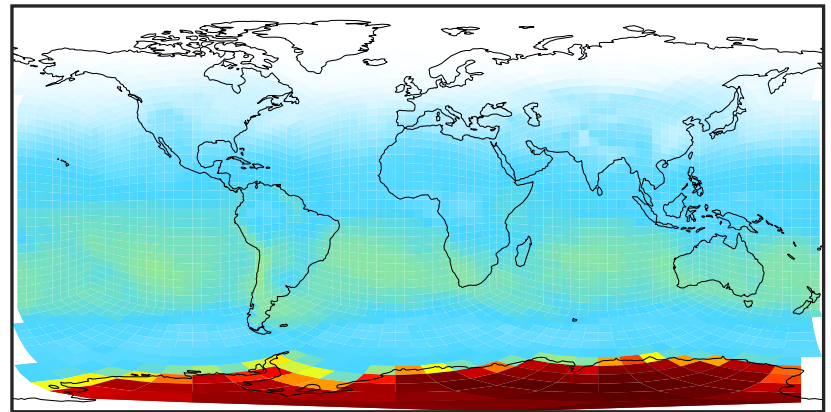
Jval_OCIO (Jan2019)

14.2.0-rc.2 (Ref)
c24



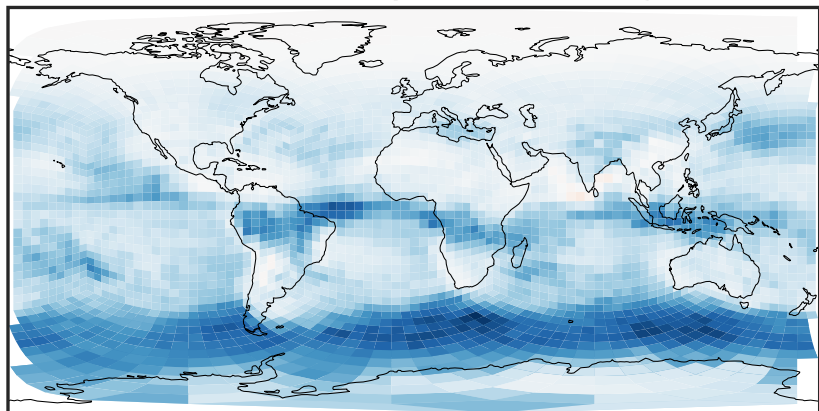
0.0000 0.0263 0.0526 0.0790 0.1053
s-1

14.3.0-rc.0 (Dev)
c24



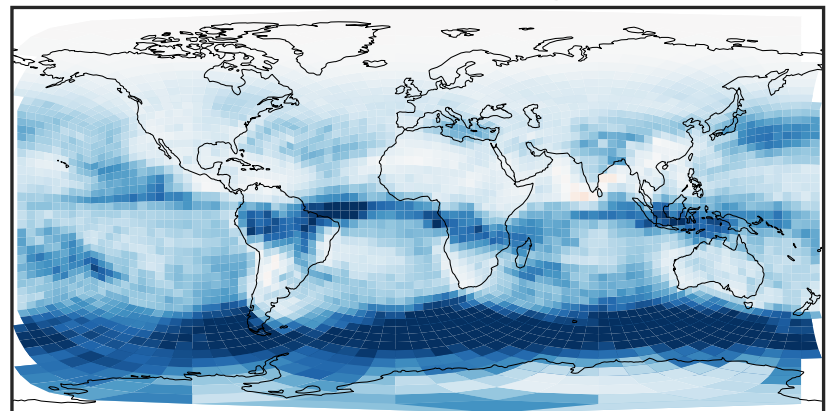
0.0000 0.0263 0.0526 0.0790 0.1053
s-1

Difference
Dev - Ref, Dynamic Range



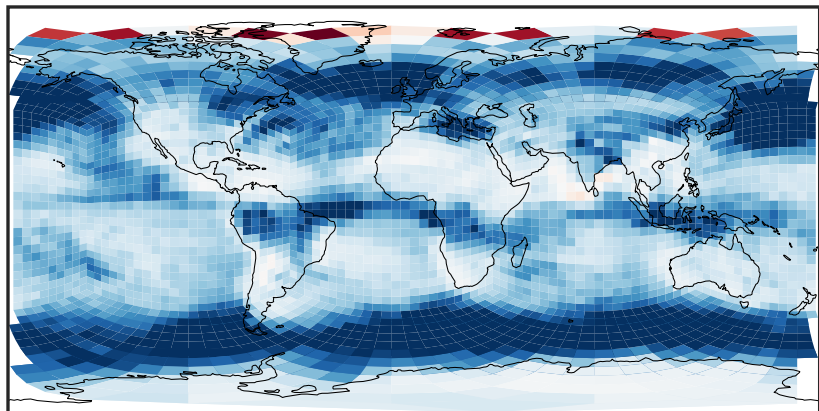
-0.001 0.000 0.001
s-1

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



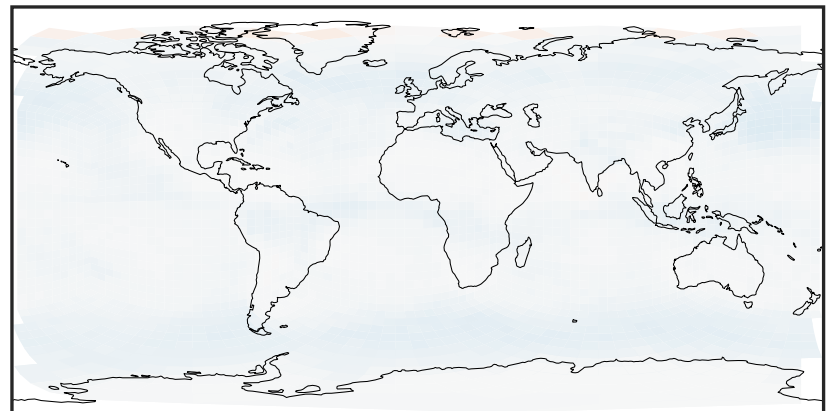
-0.0008 0.0000 0.0008
s-1

Ratio
Dev/Ref, Dynamic Range



0.95180 0.97590 1.00000 1.02532 1.05064
unitless

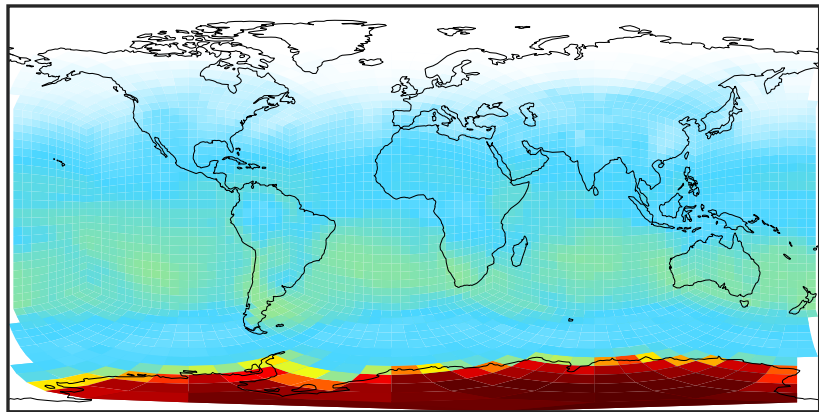
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

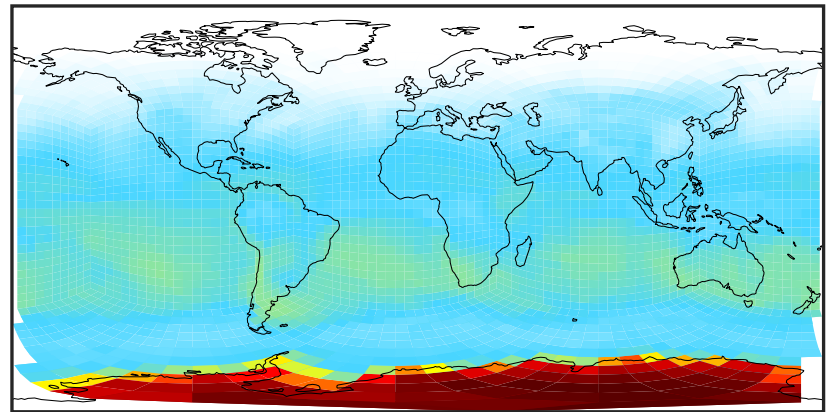
Jval_OIO (Jan2019)

14.2.0-rc.2 (Ref)
c24



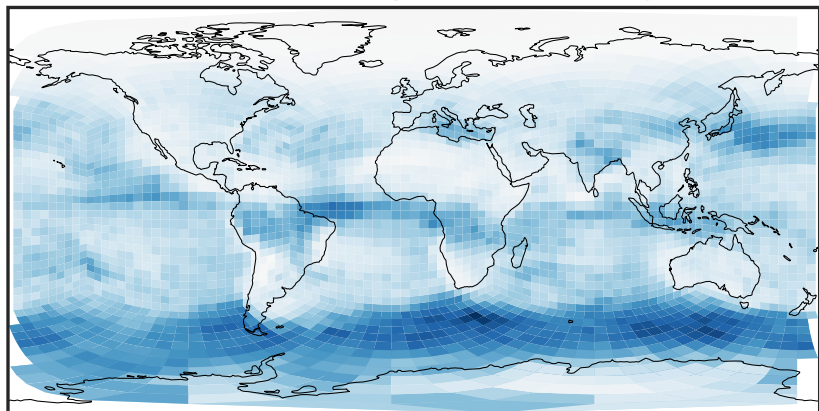
0.0000 0.0827 0.1654 0.2482 0.3309
s-1

14.3.0-rc.0 (Dev)
c24



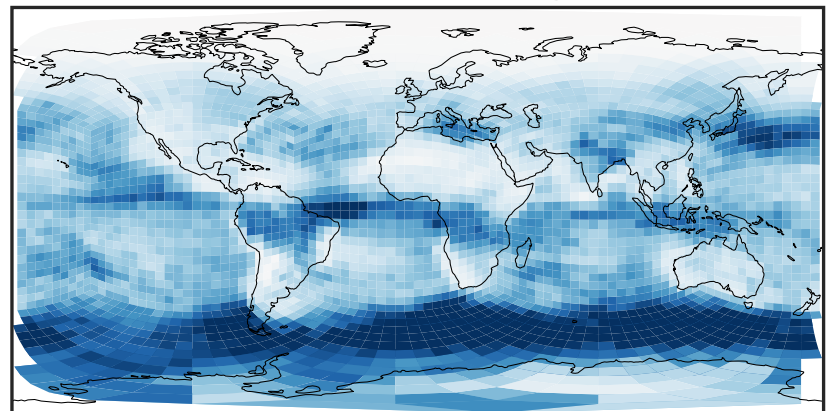
0.0000 0.0827 0.1654 0.2482 0.3309
s-1

Difference
Dev - Ref, Dynamic Range



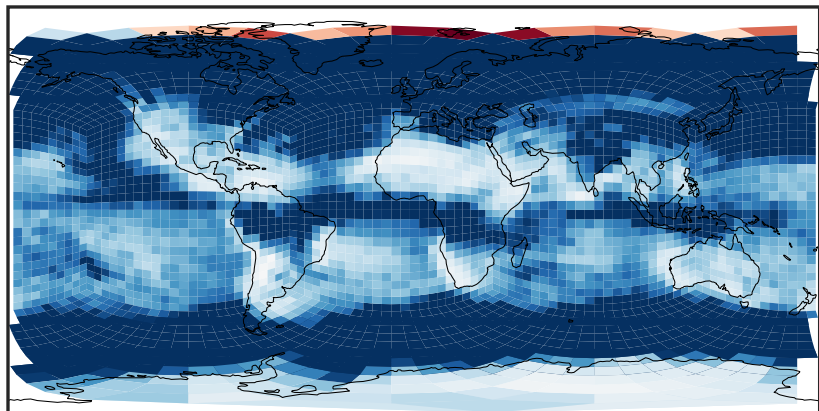
-0.005 0.000 0.005
s-1

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



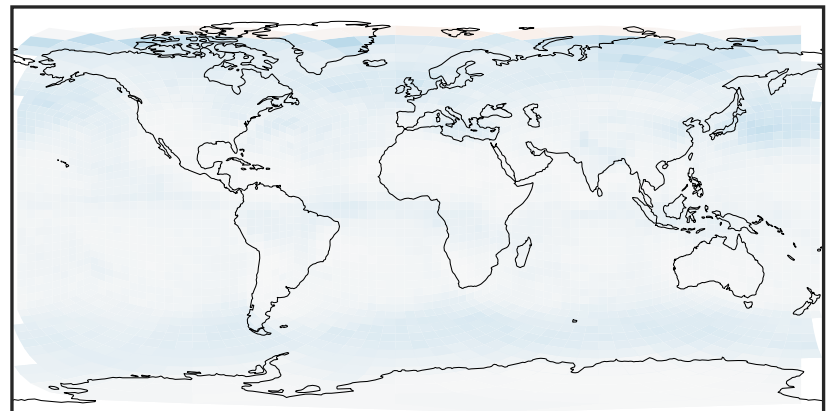
-0.003 0.000 0.003
s-1

Ratio
Dev/Ref, Dynamic Range



0.95894 0.97947 1.00000 1.02141 1.04281
unitless

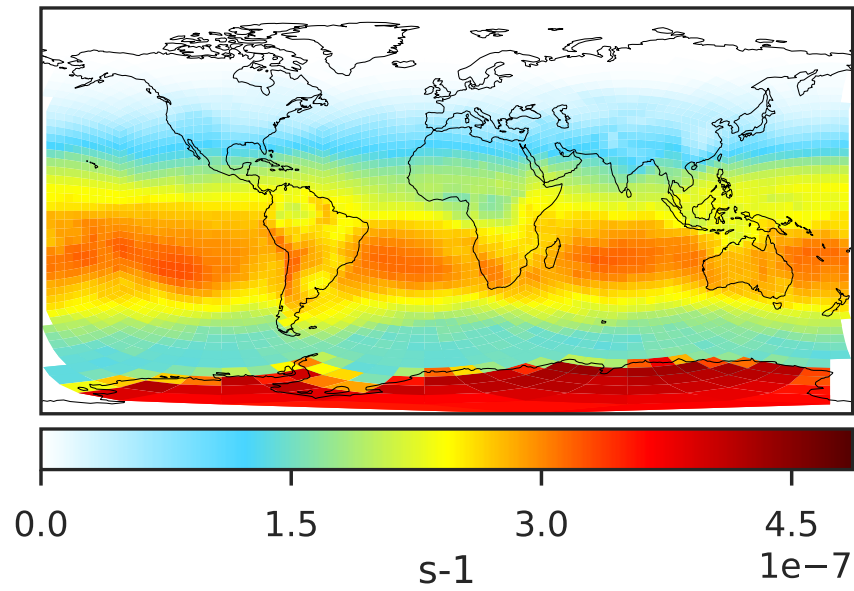
Ratio
Dev/Ref, Fixed Range



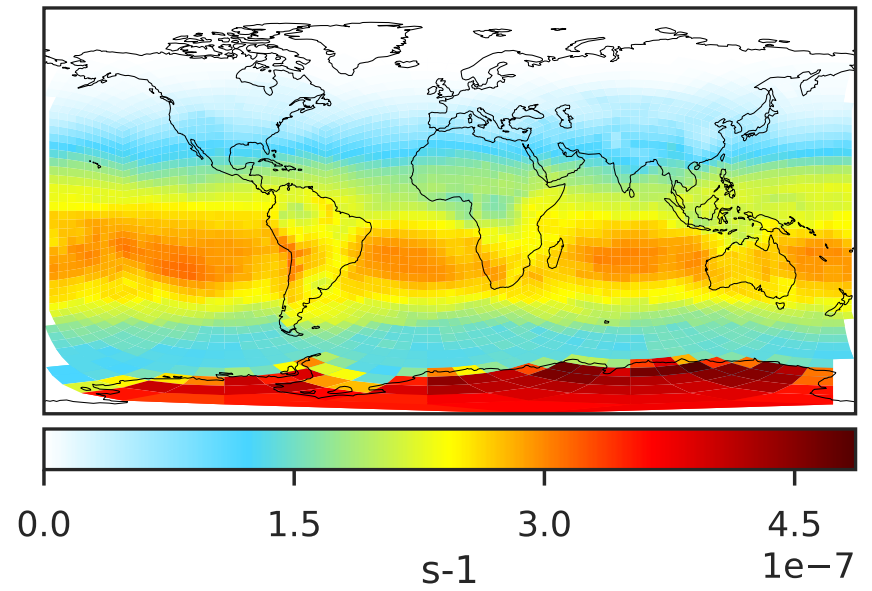
0.50 0.75 1.00 1.50 2.00
unitless

Jval_PAN (Jan2019)

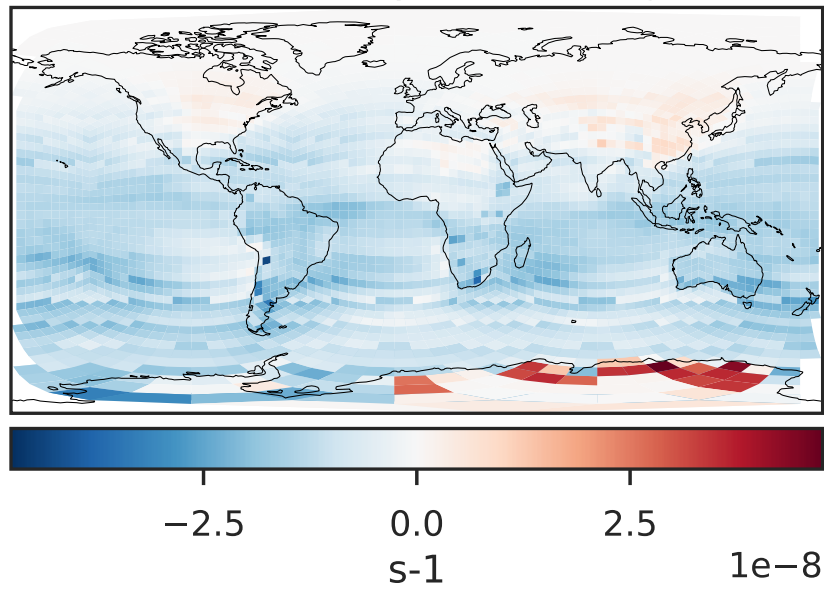
14.2.0-rc.2 (Ref)
c24



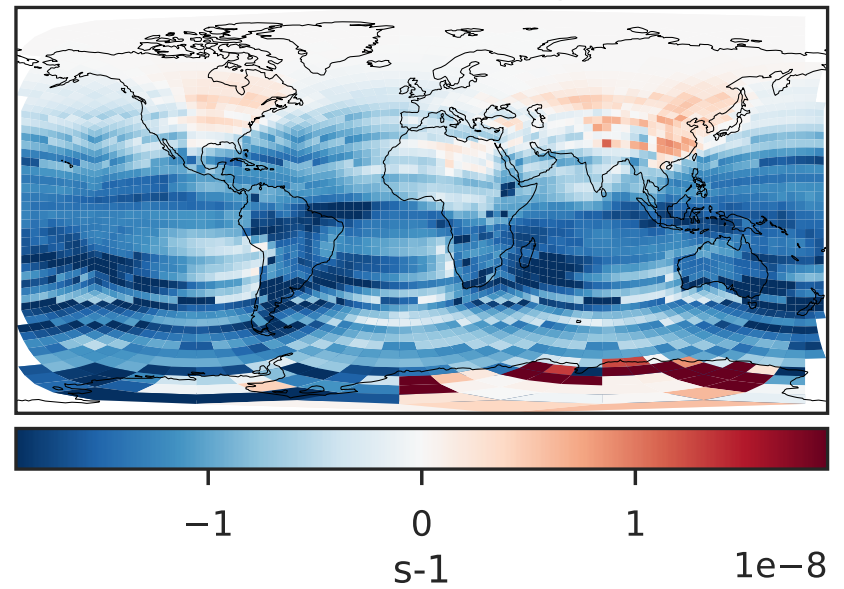
14.3.0-rc.0 (Dev)
c24



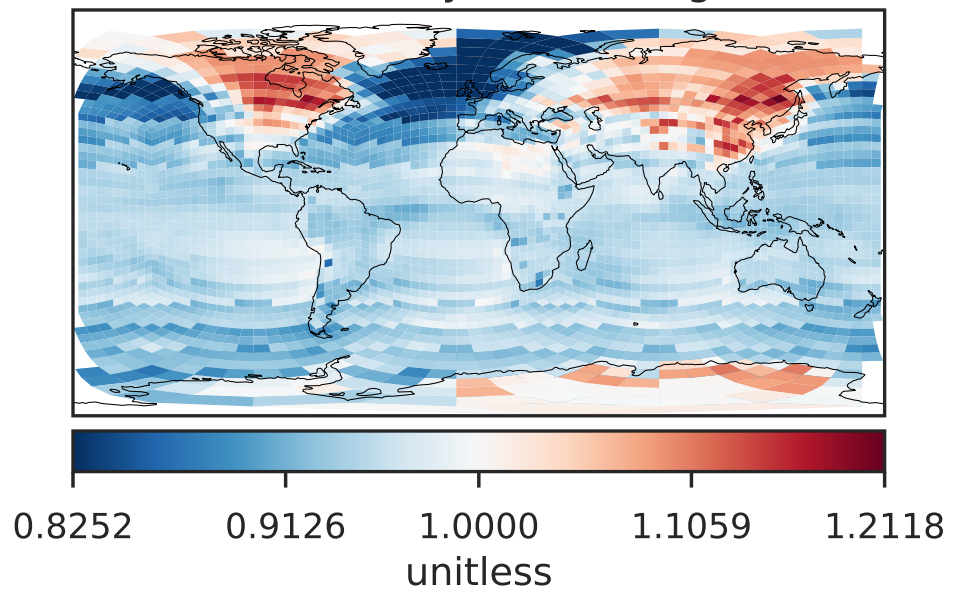
Difference
Dev - Ref, Dynamic Range



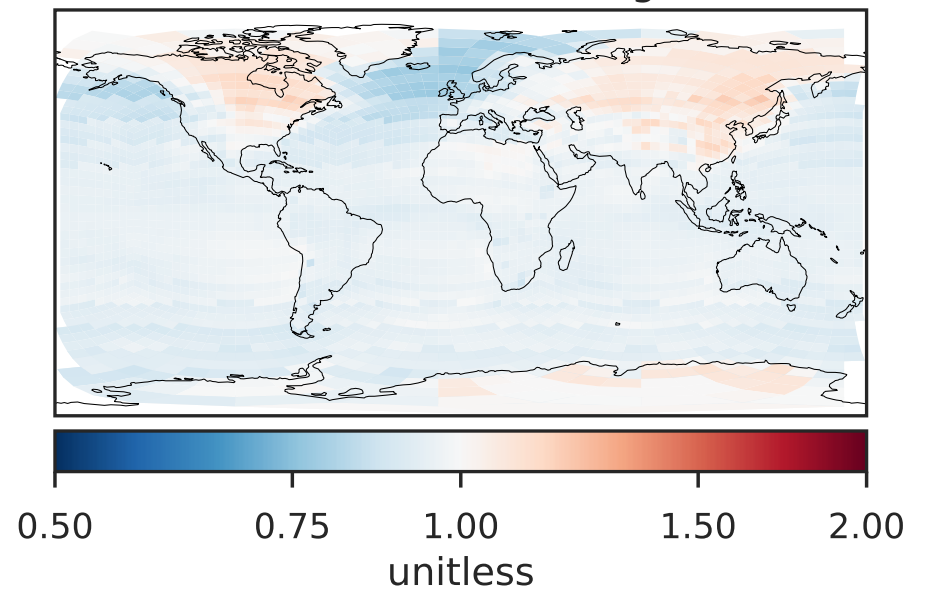
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

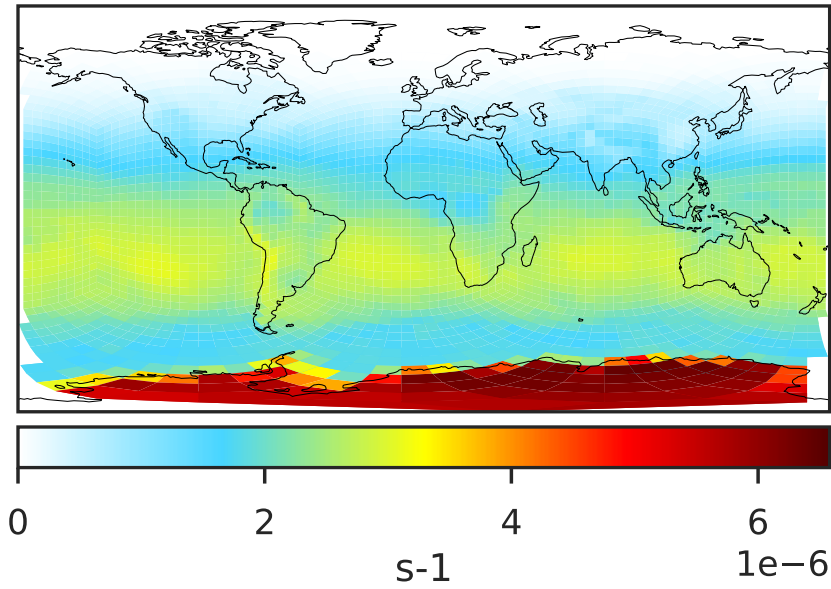


Ratio
Dev/Ref, Fixed Range

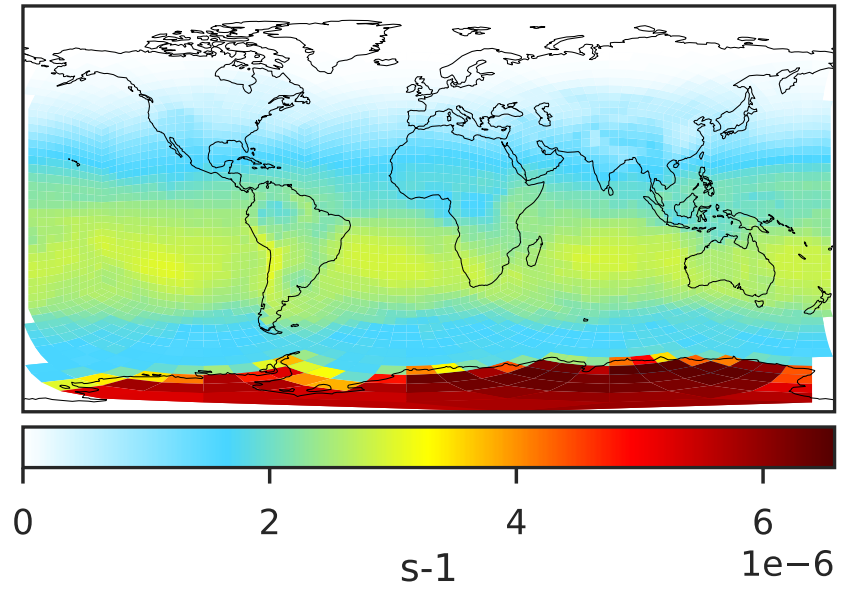


Jval_PIP (Jan2019)

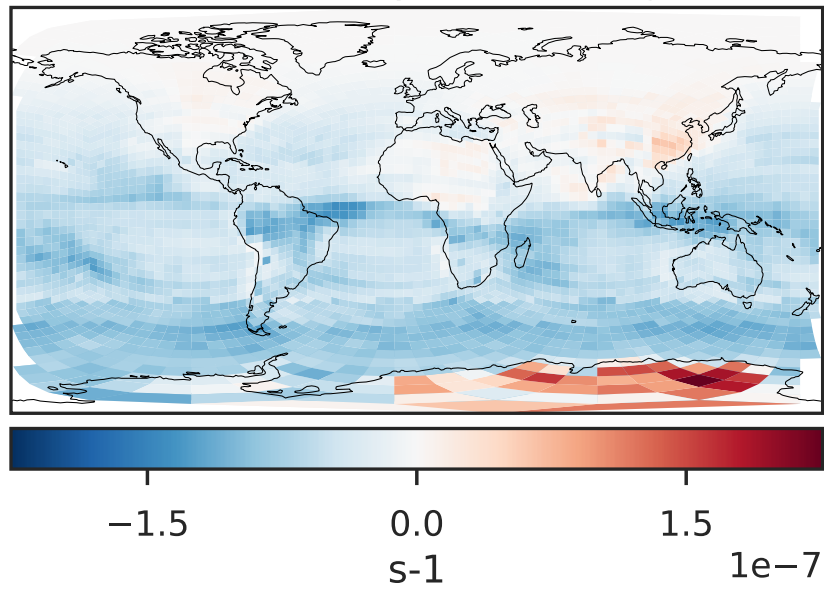
14.2.0-rc.2 (Ref)
c24



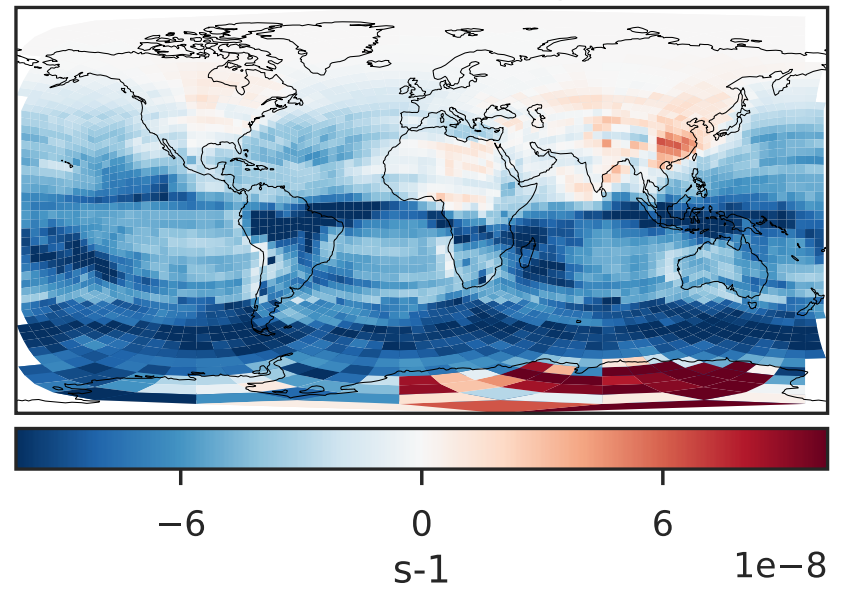
14.3.0-rc.0 (Dev)
c24



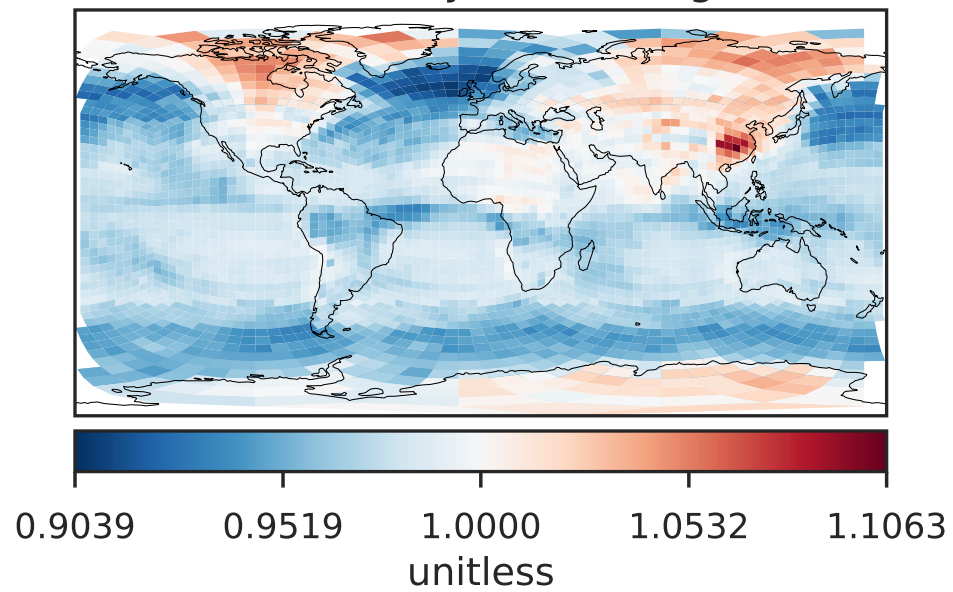
Difference
Dev - Ref, Dynamic Range



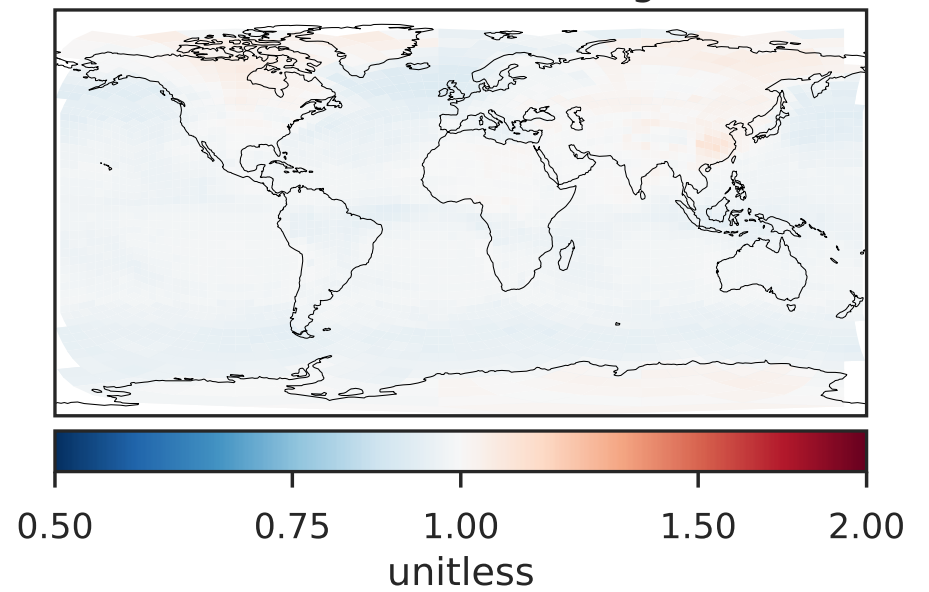
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

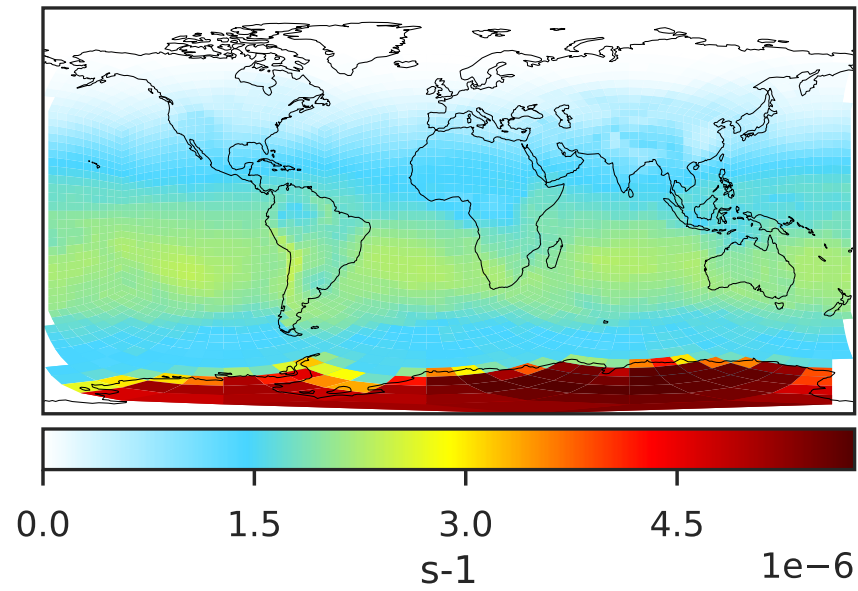


Ratio
Dev/Ref, Fixed Range

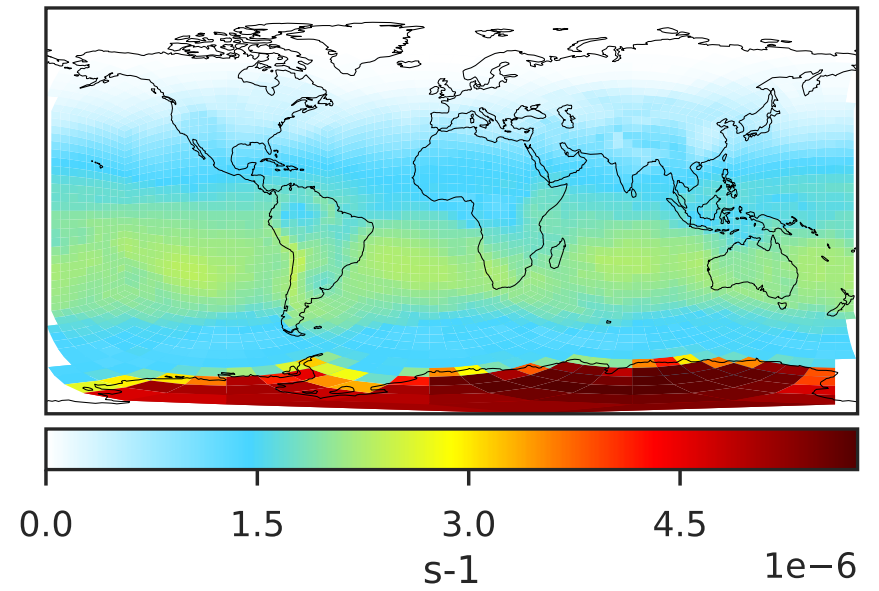


Jval_PP (Jan2019)

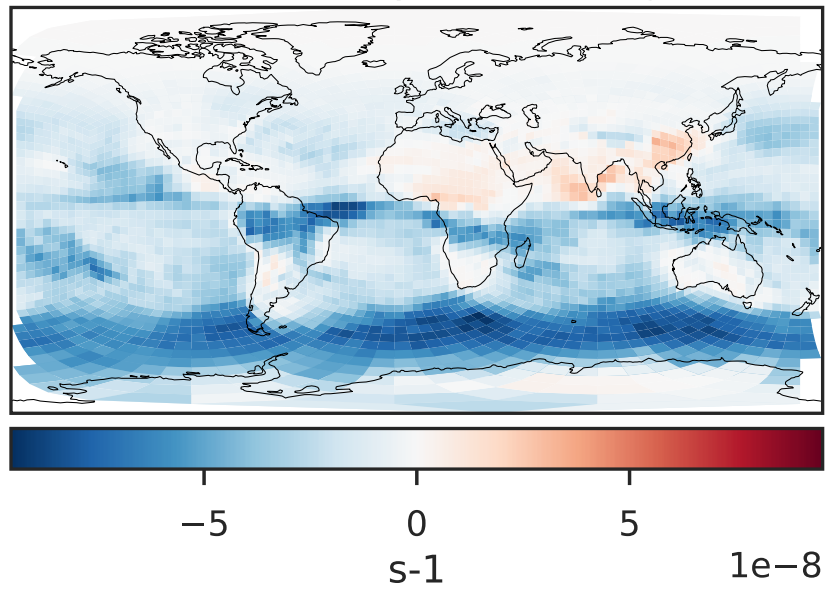
14.2.0-rc.2 (Ref)
c24



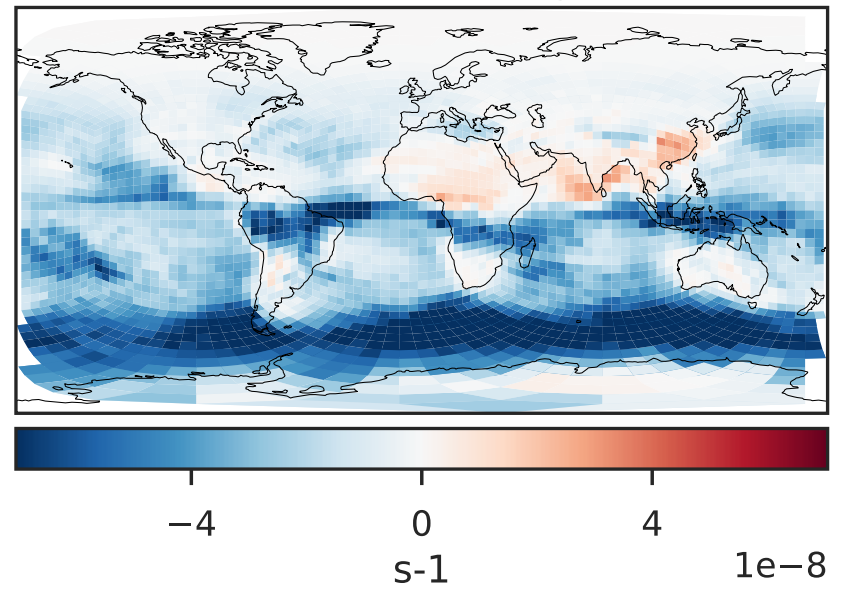
14.3.0-rc.0 (Dev)
c24



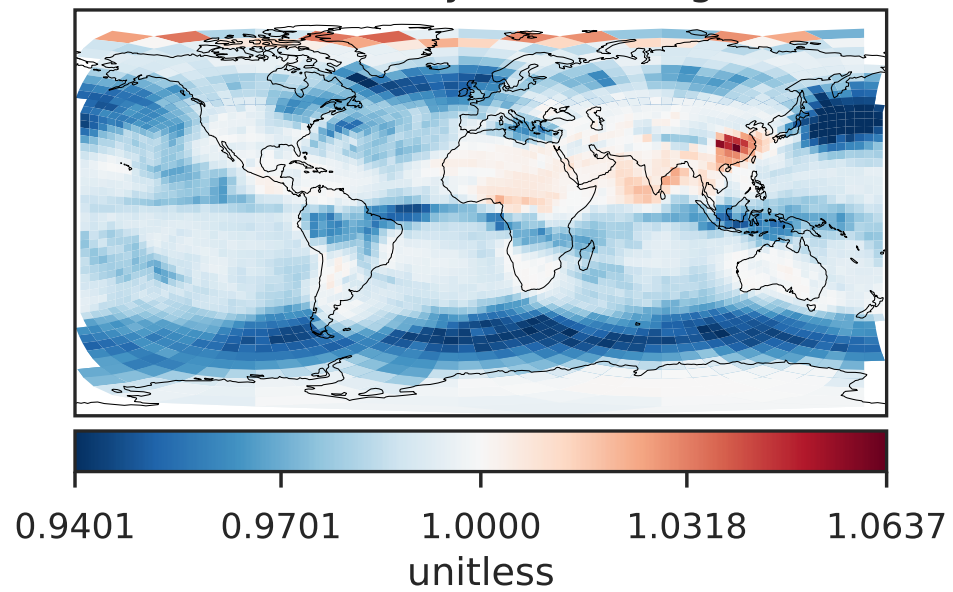
Difference
Dev - Ref, Dynamic Range



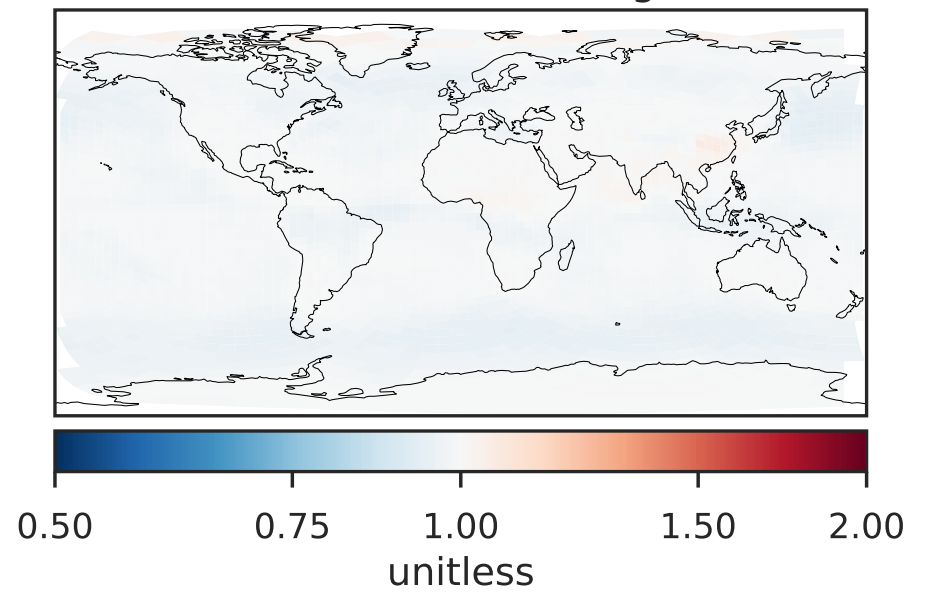
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

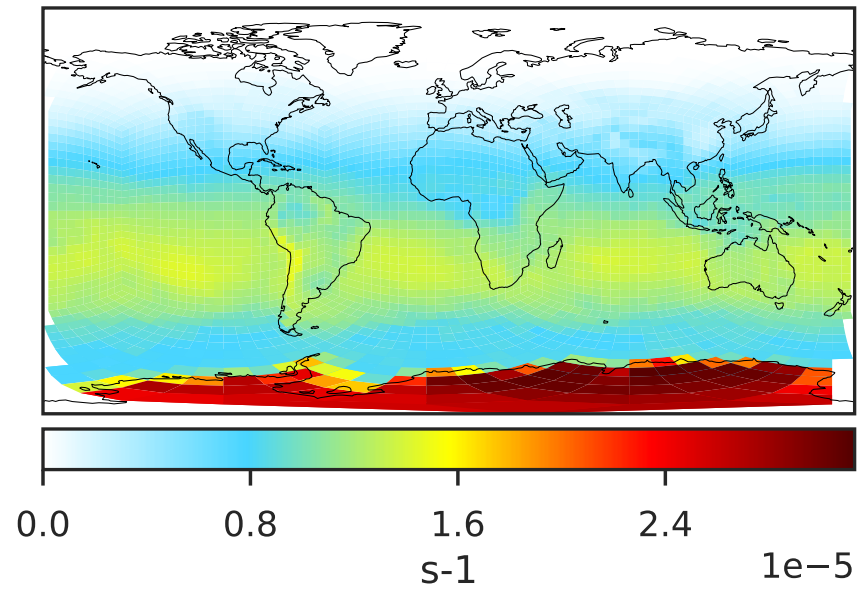


Ratio
Dev/Ref, Fixed Range

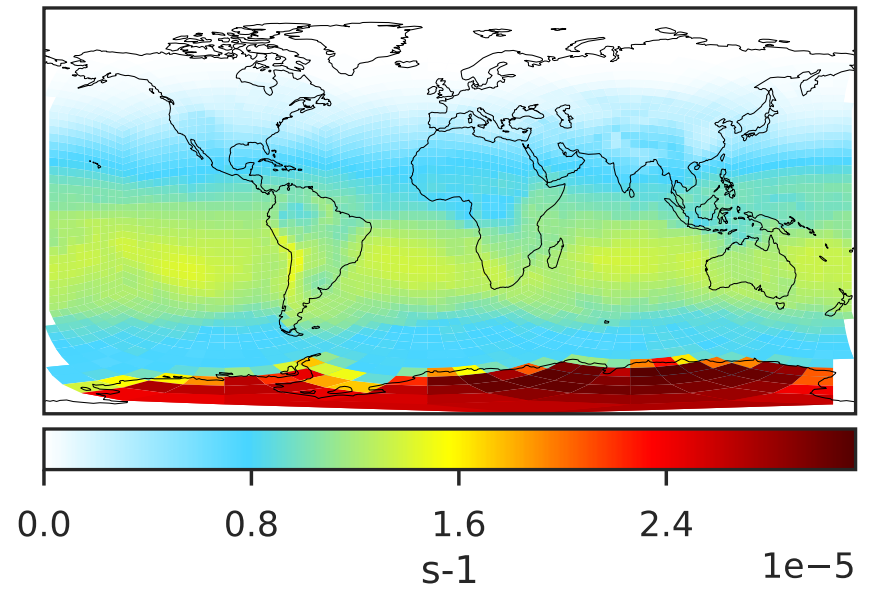


Jval_PROPNN (Jan2019)

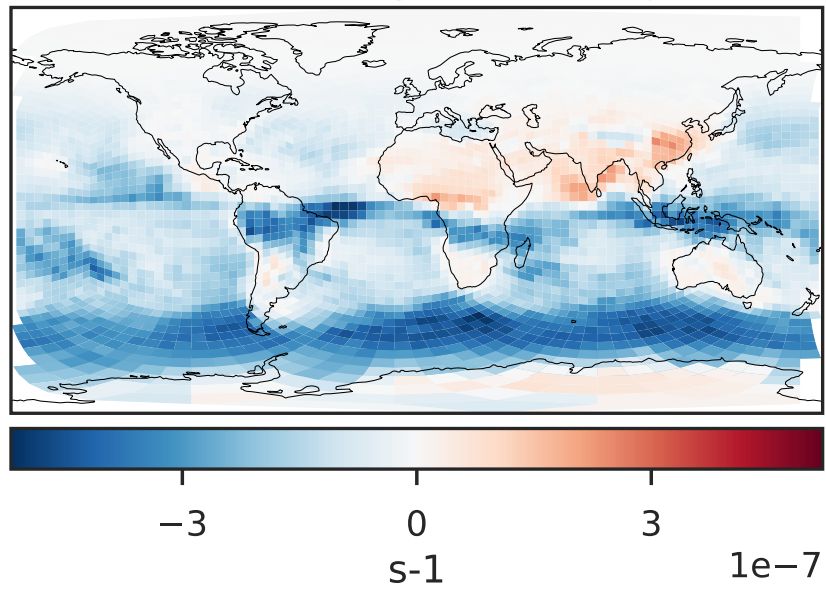
14.2.0-rc.2 (Ref)
c24



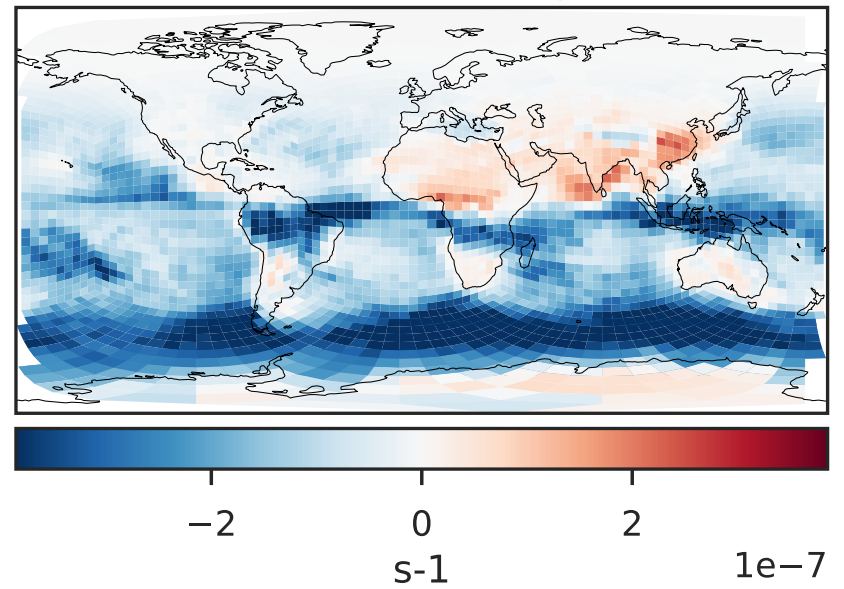
14.3.0-rc.0 (Dev)
c24



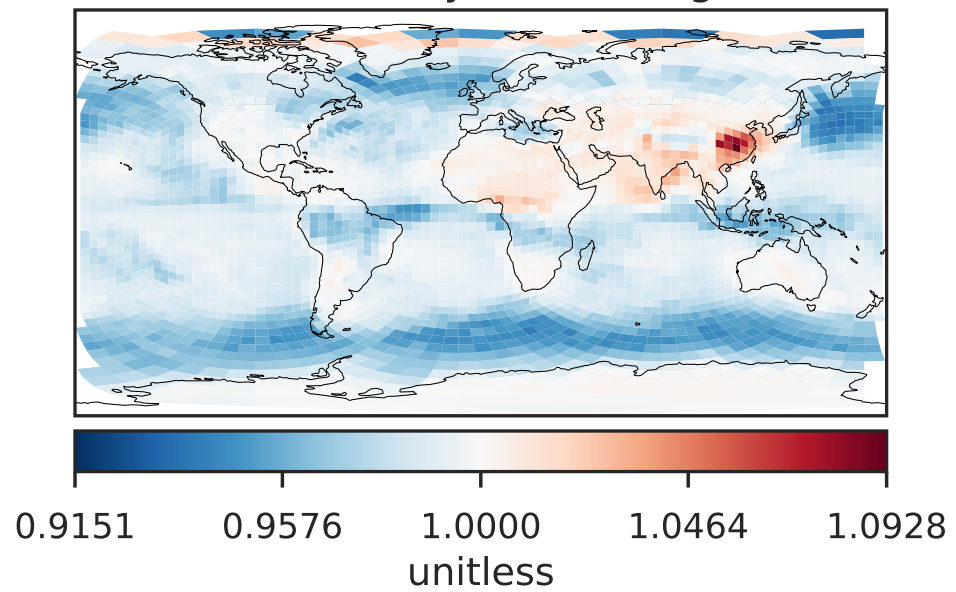
Difference
Dev - Ref, Dynamic Range



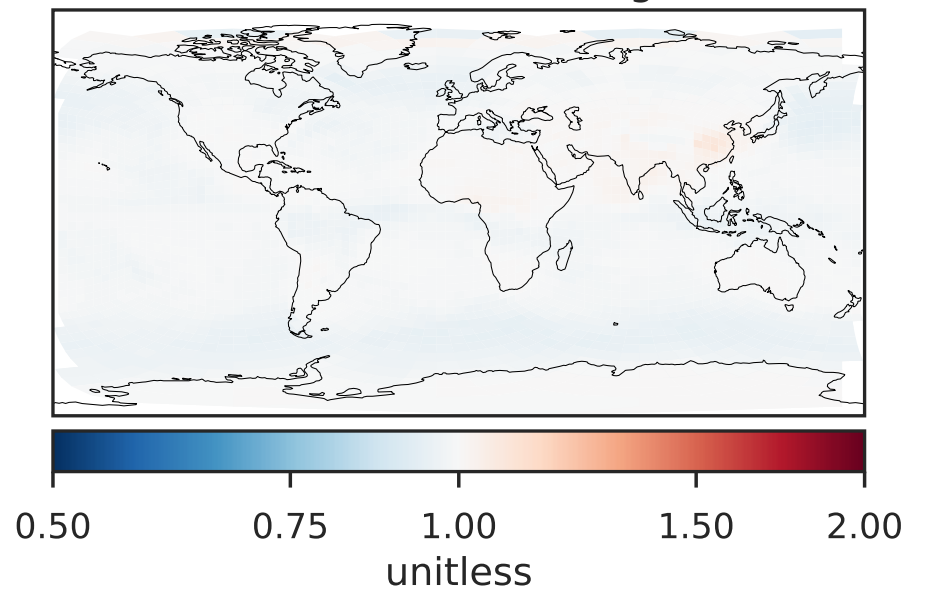
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

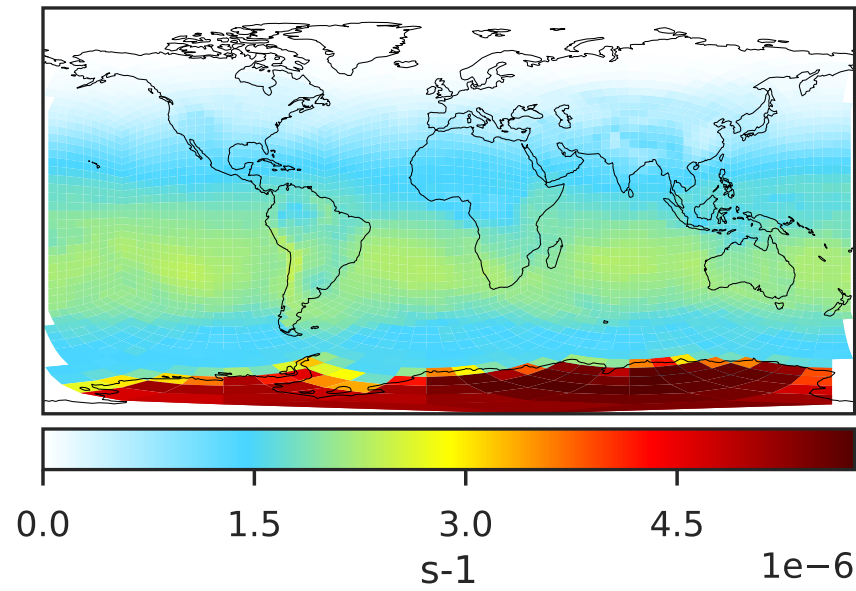


Ratio
Dev/Ref, Fixed Range

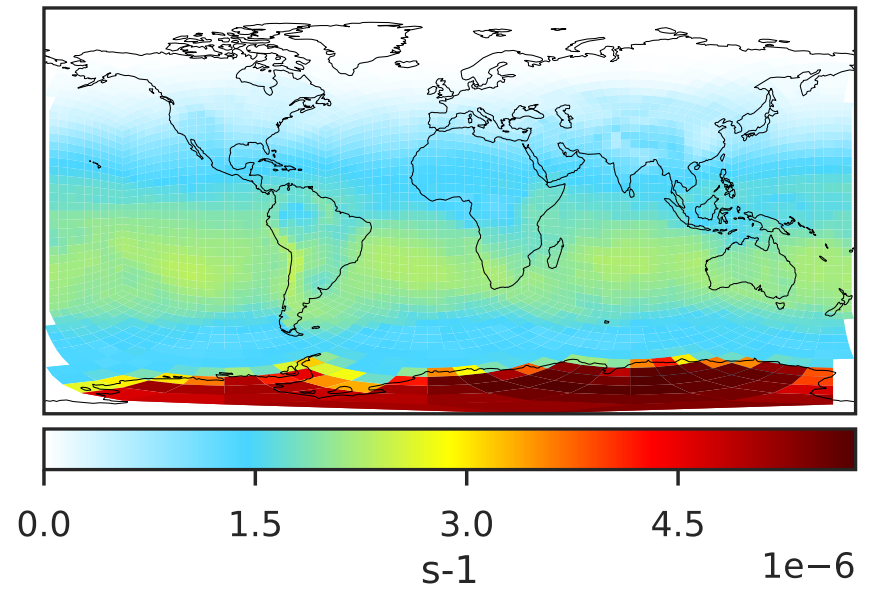


Jval_PRPN (Jan2019)

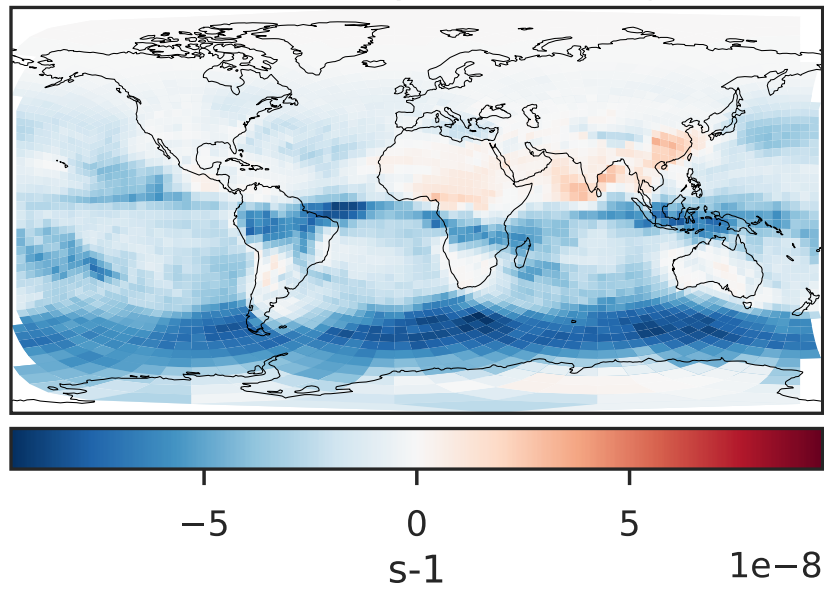
14.2.0-rc.2 (Ref)
c24



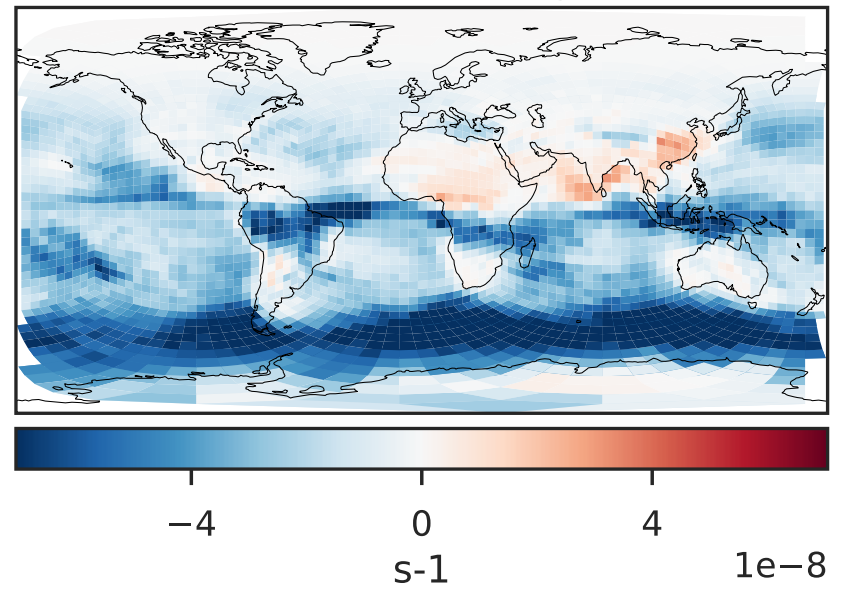
14.3.0-rc.0 (Dev)
c24



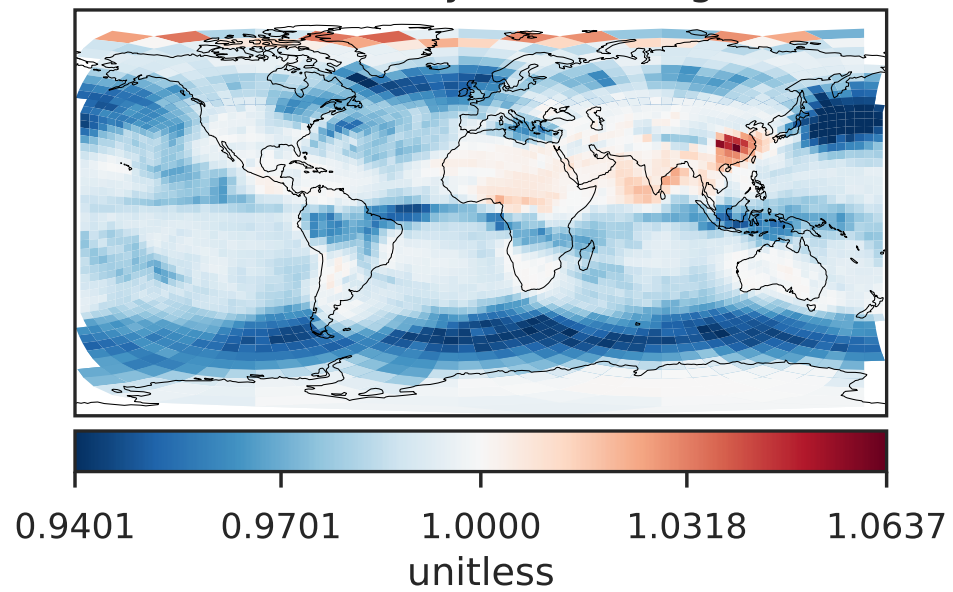
Difference
Dev - Ref, Dynamic Range



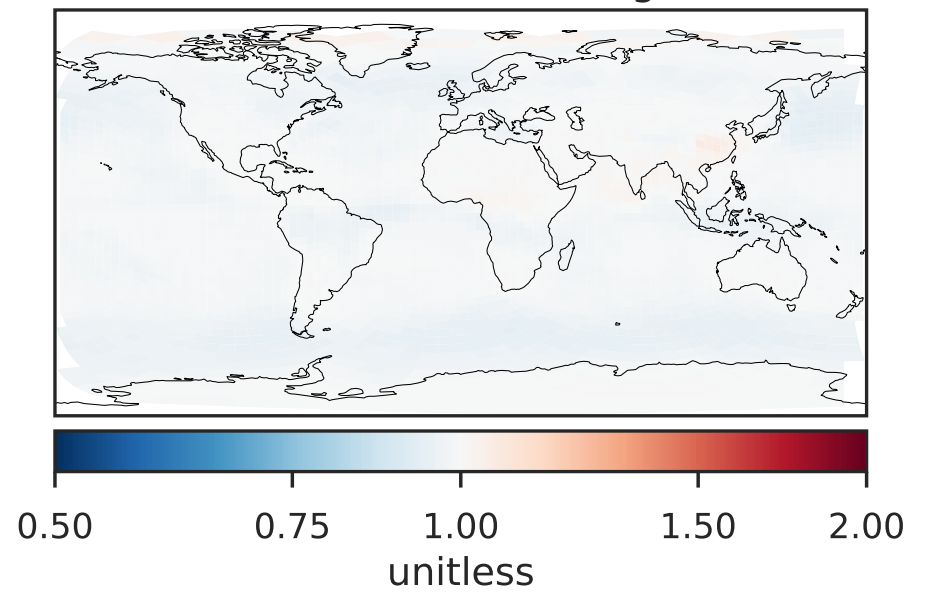
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

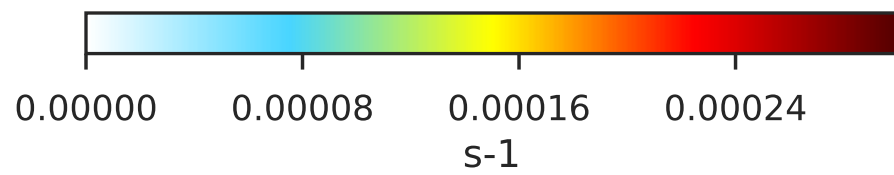
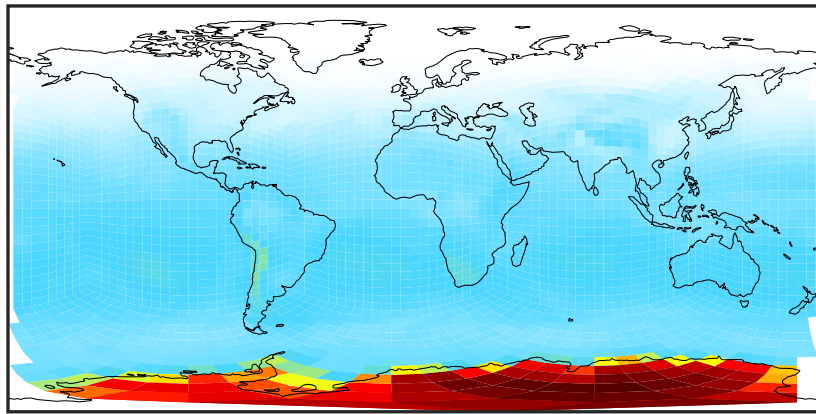


Ratio
Dev/Ref, Fixed Range

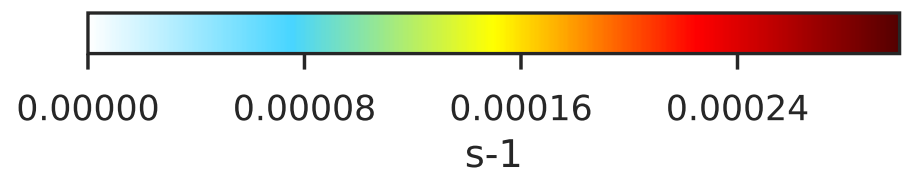
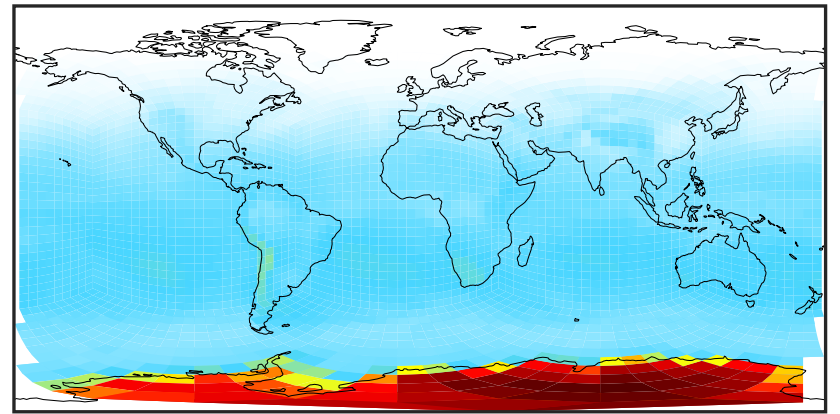


Jval_PYAC (Jan2019)

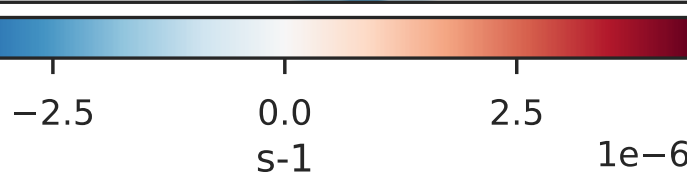
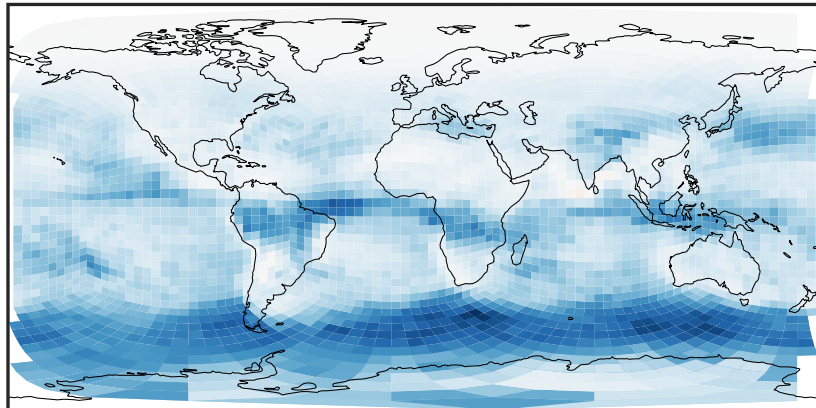
14.2.0-rc.2 (Ref)
c24



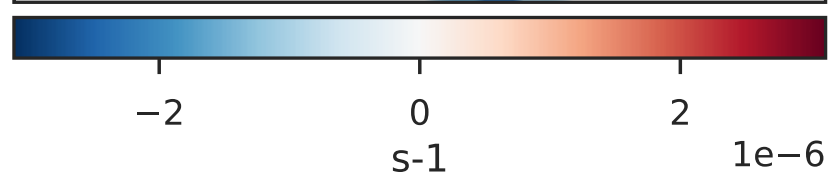
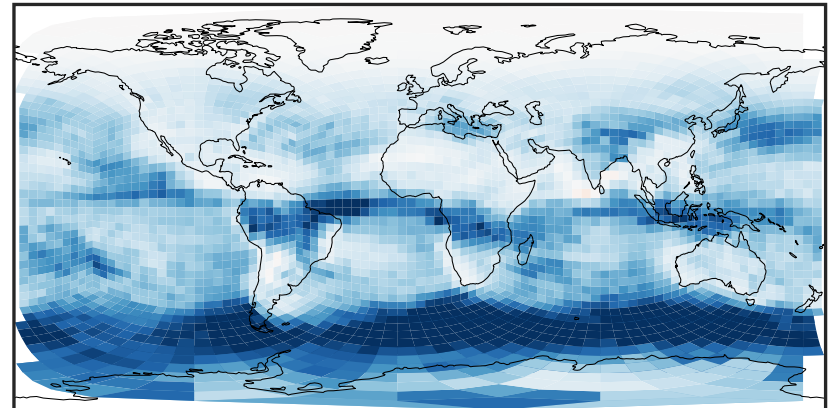
14.3.0-rc.0 (Dev)
c24



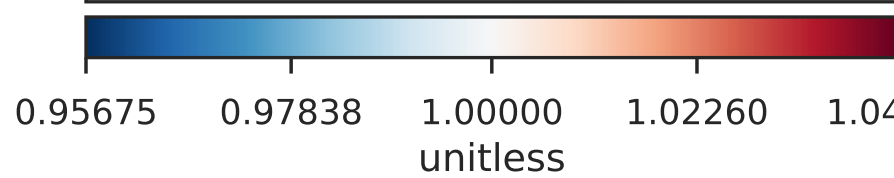
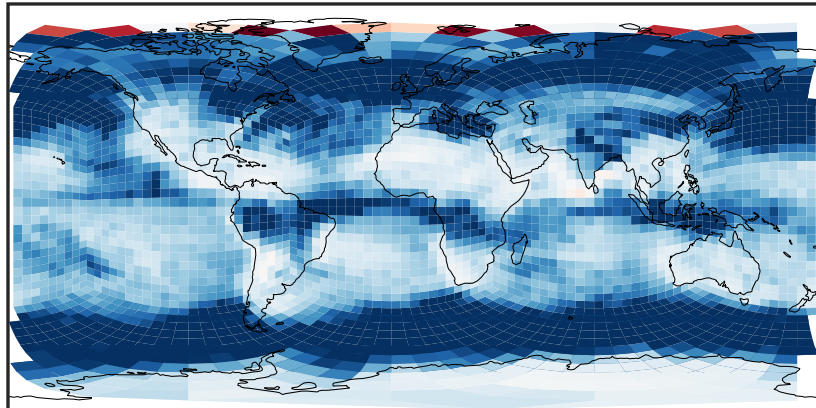
Difference
Dev - Ref, Dynamic Range



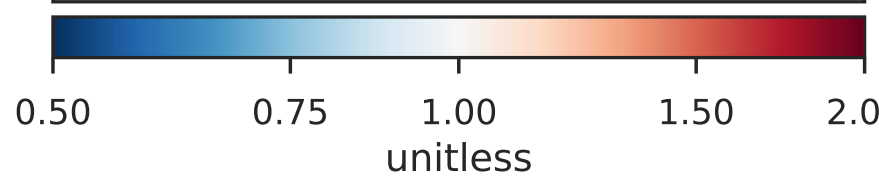
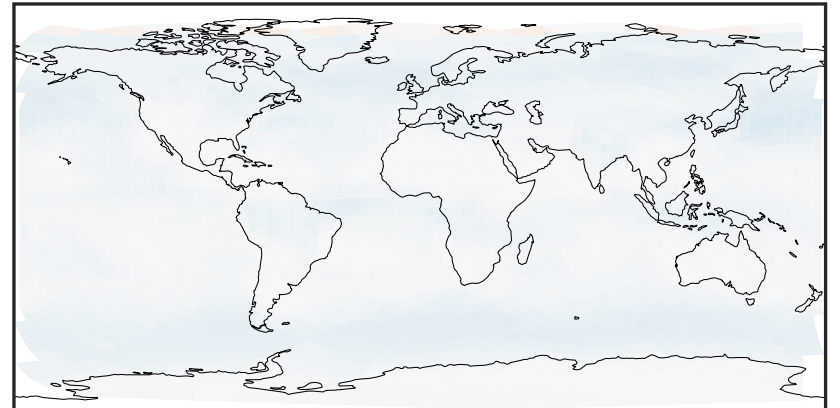
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

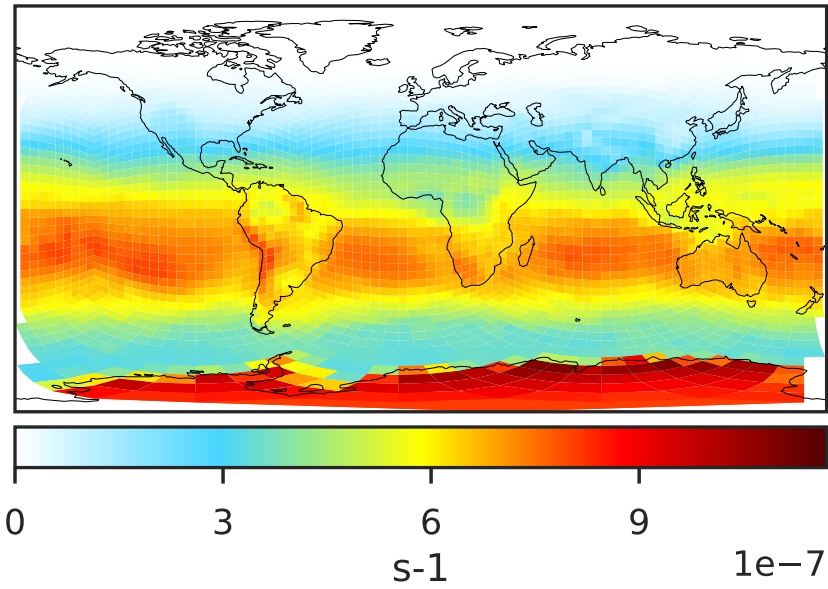


Ratio
Dev/Ref, Fixed Range

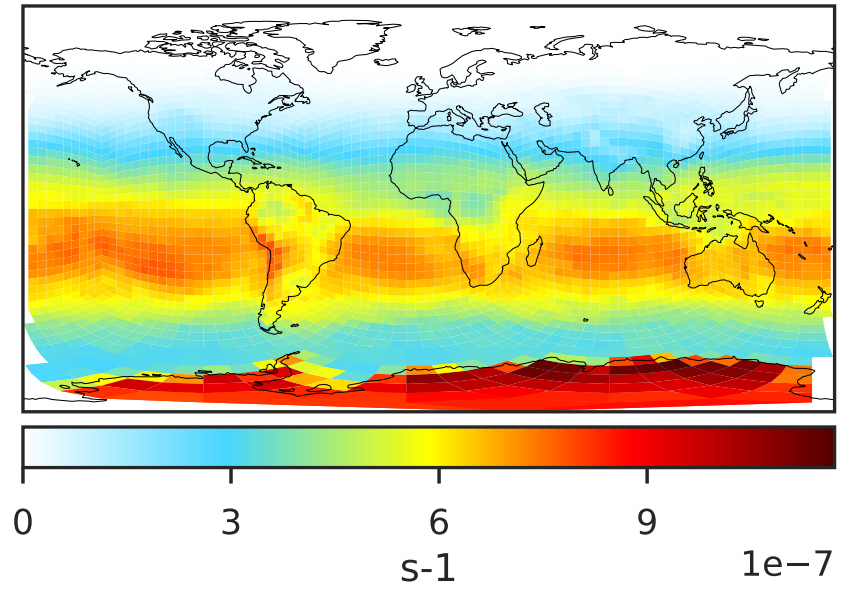


Jval_R4N2 (Jan2019)

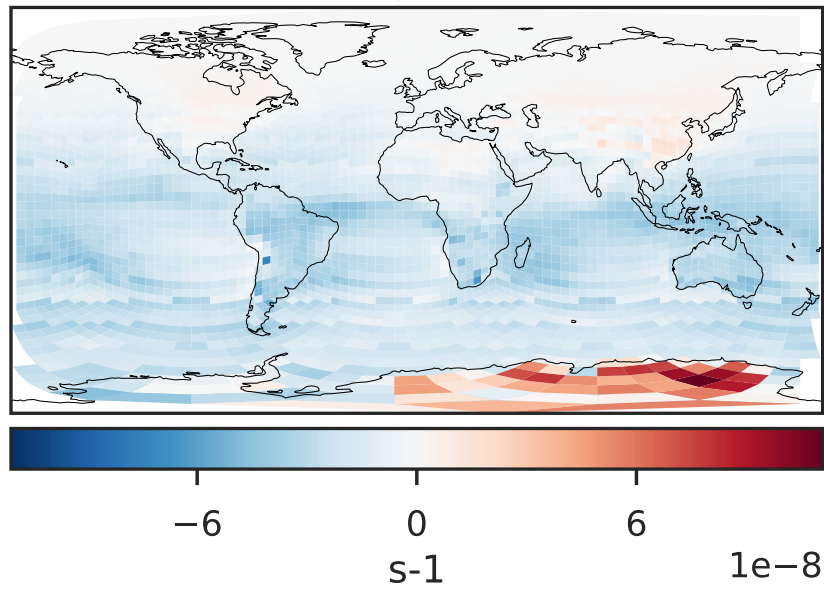
14.2.0-rc.2 (Ref)
c24



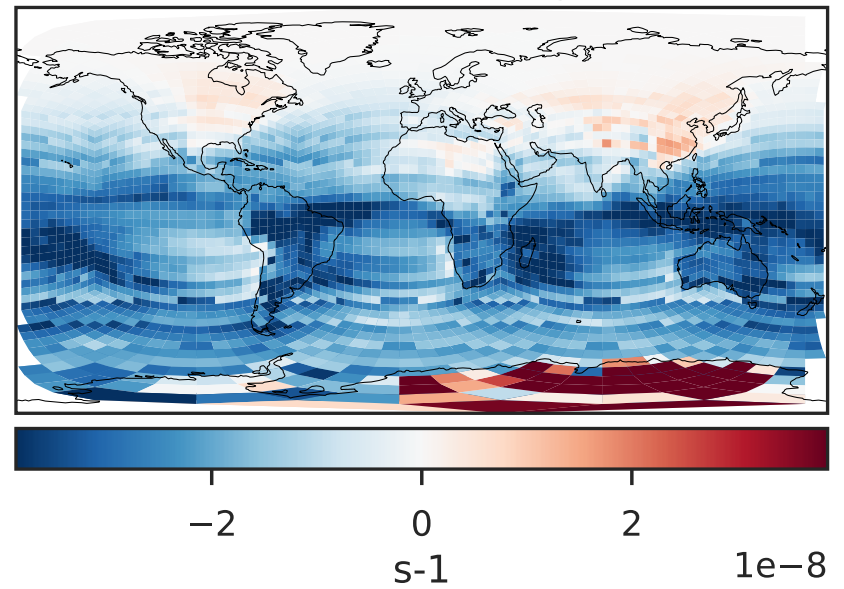
14.3.0-rc.0 (Dev)
c24



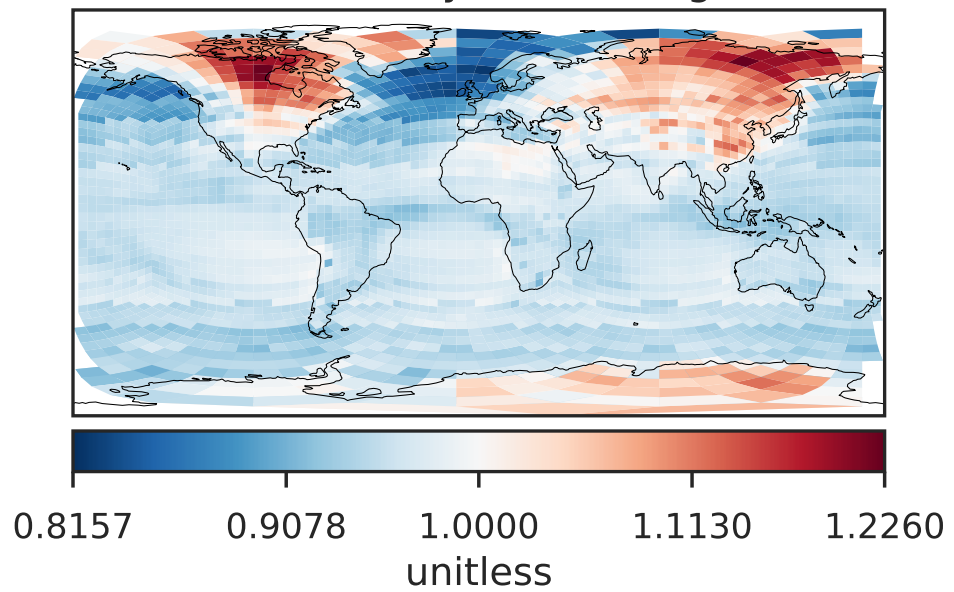
Difference
Dev - Ref, Dynamic Range



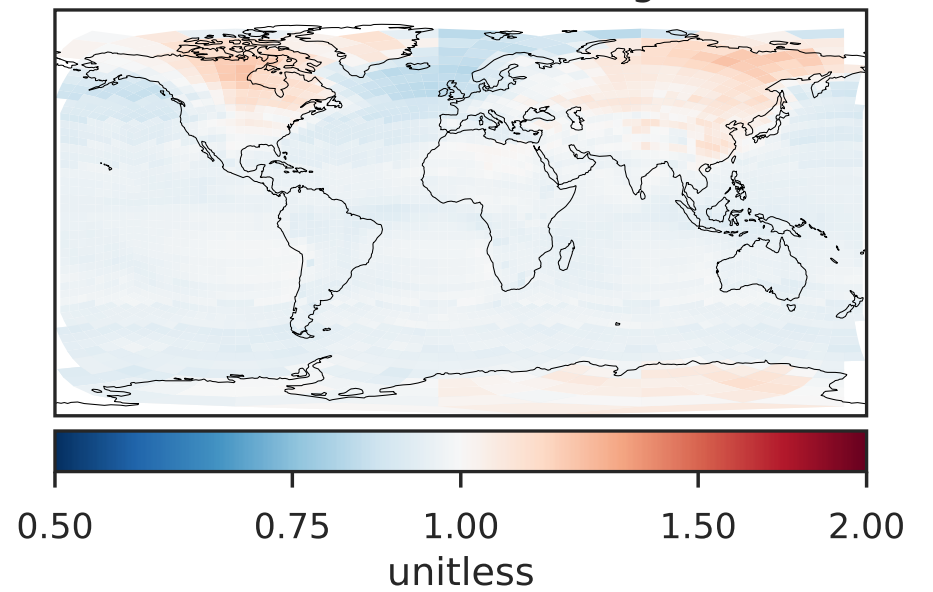
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

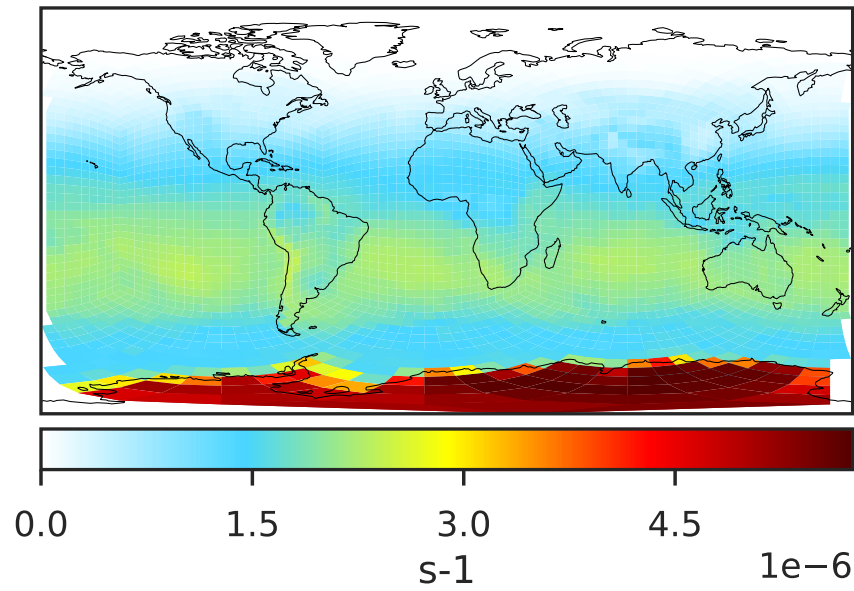


Ratio
Dev/Ref, Fixed Range

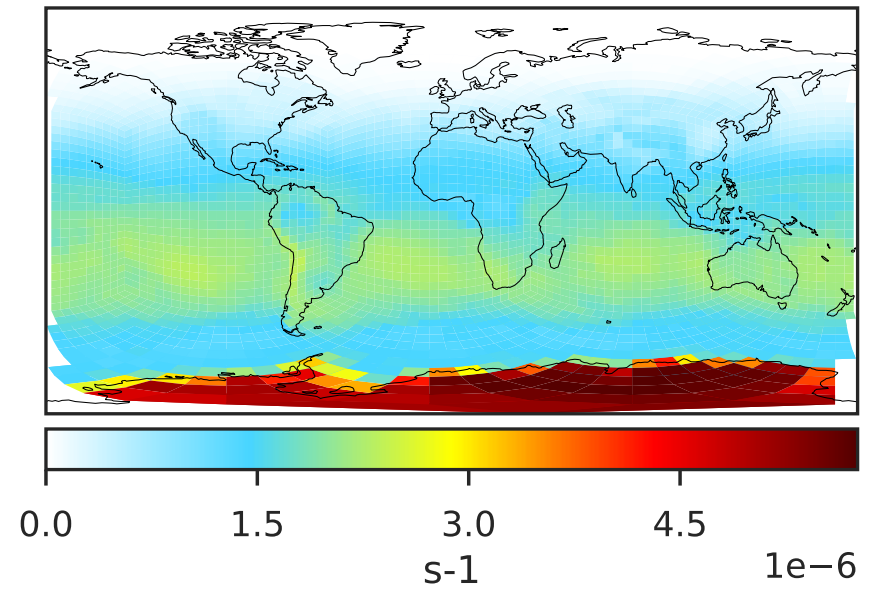


Jval_R4P (Jan2019)

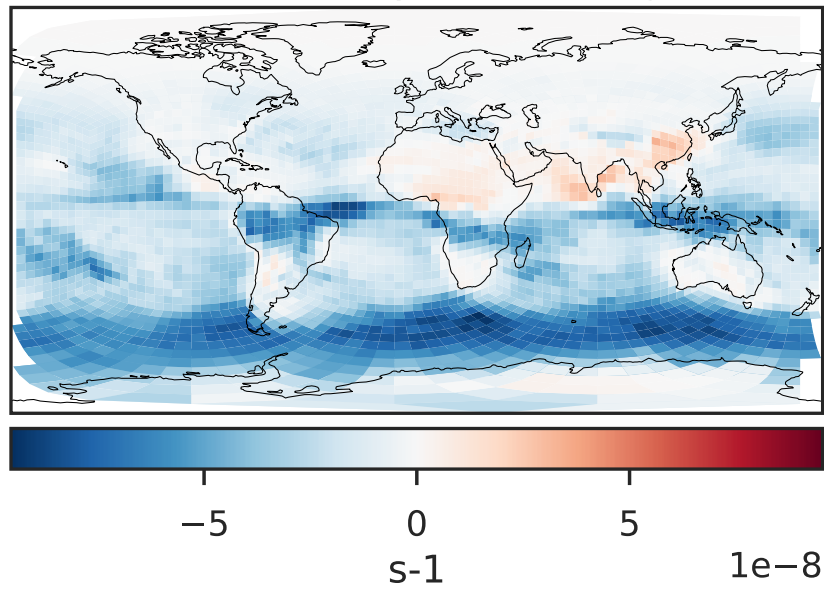
14.2.0-rc.2 (Ref)
c24



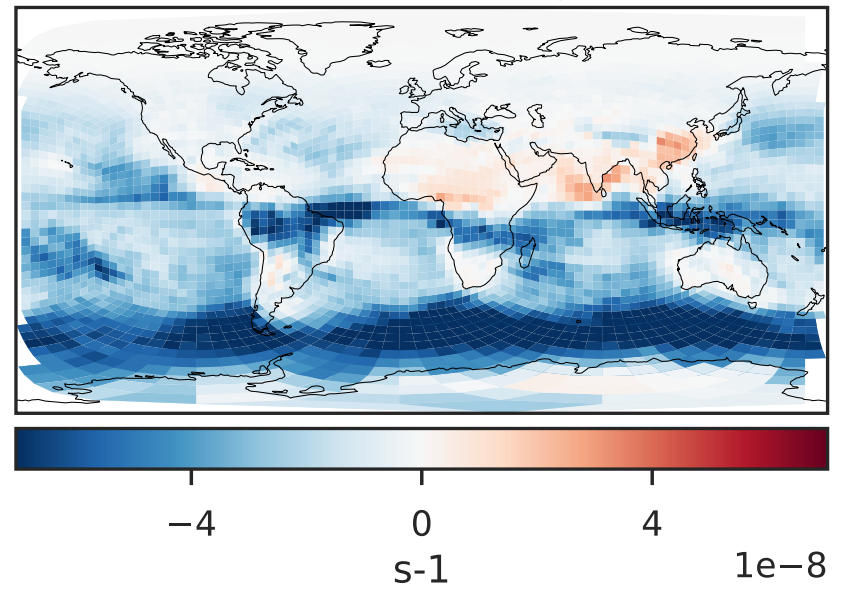
14.3.0-rc.0 (Dev)
c24



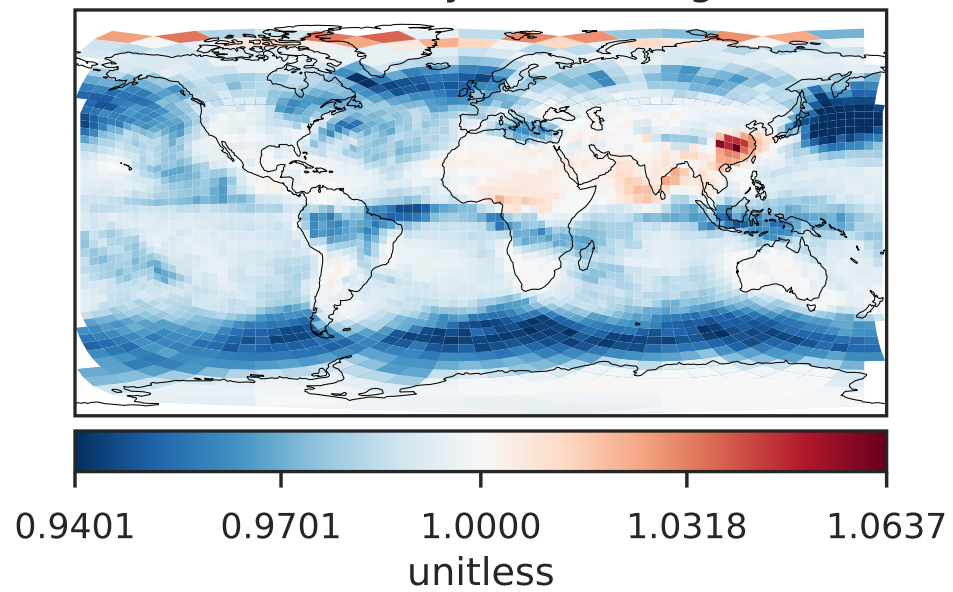
Difference
Dev - Ref, Dynamic Range



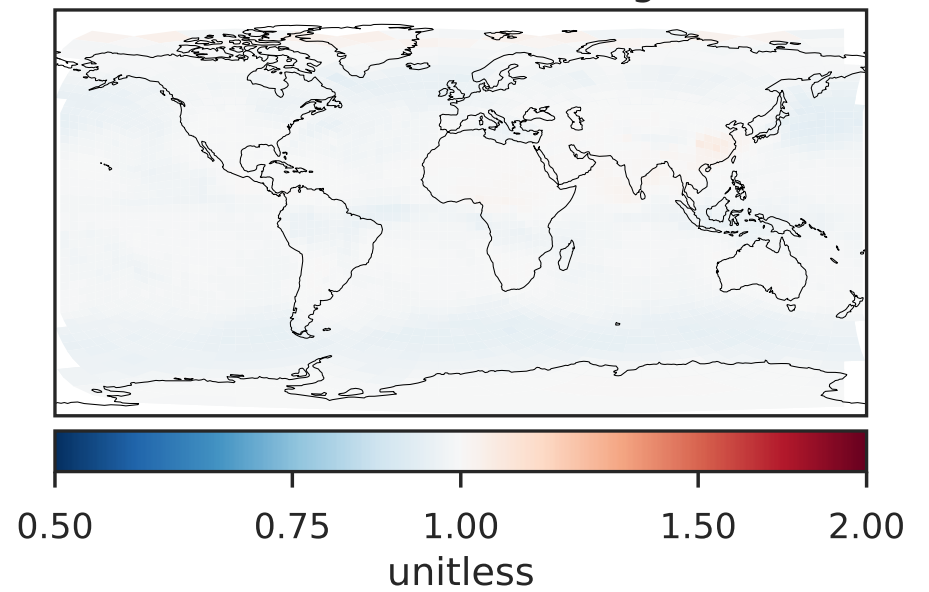
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

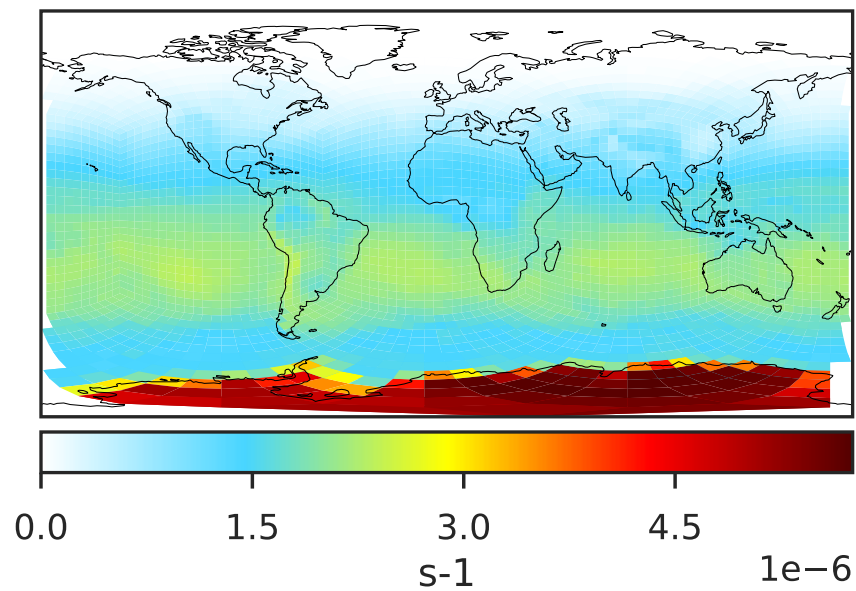


Ratio
Dev/Ref, Fixed Range

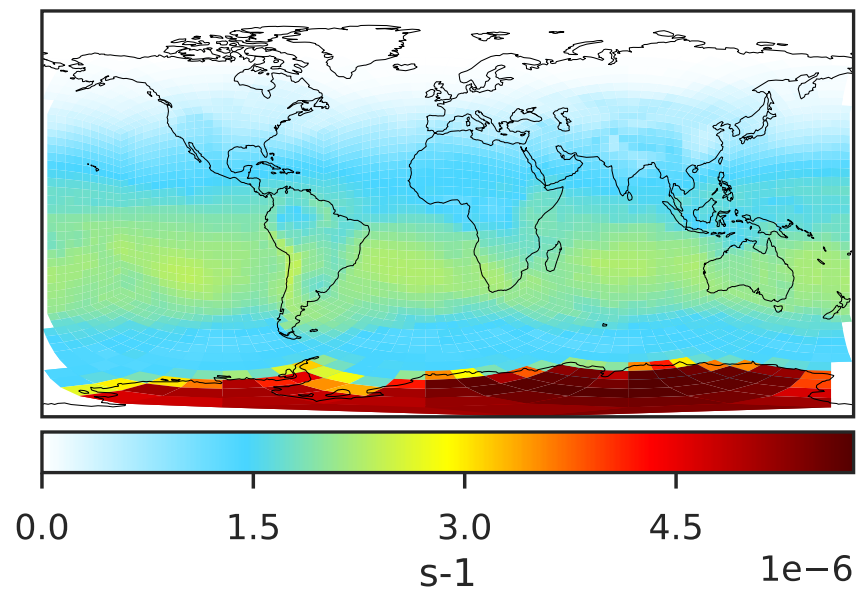


Jval_RA3P (Jan2019)

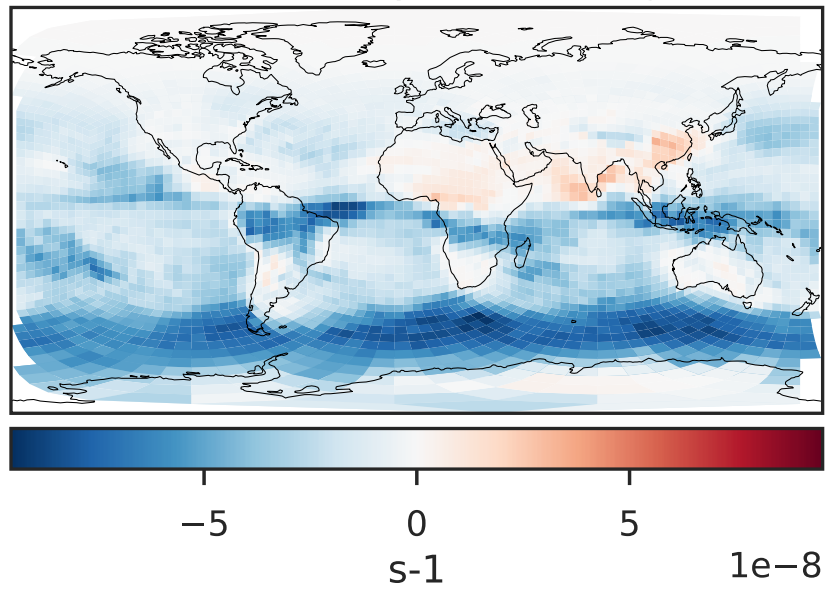
14.2.0-rc.2 (Ref)
c24



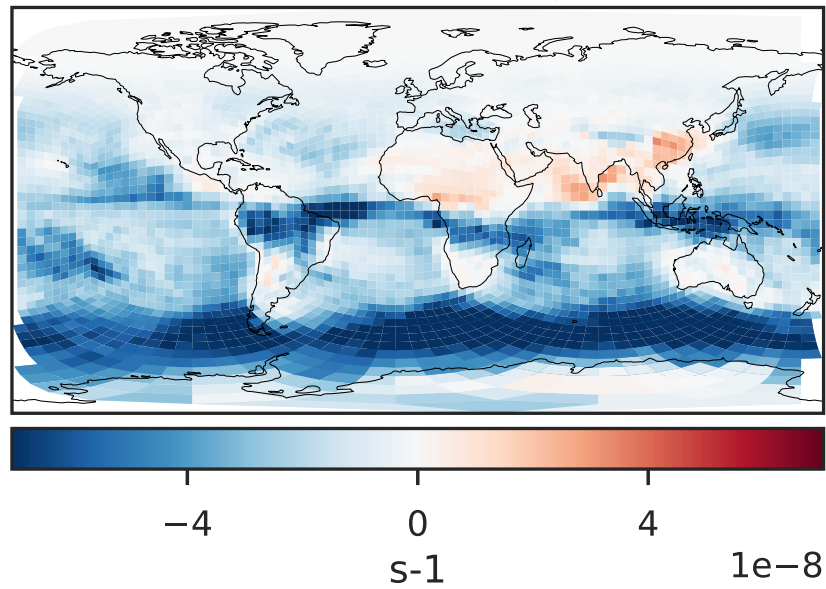
14.3.0-rc.0 (Dev)
c24



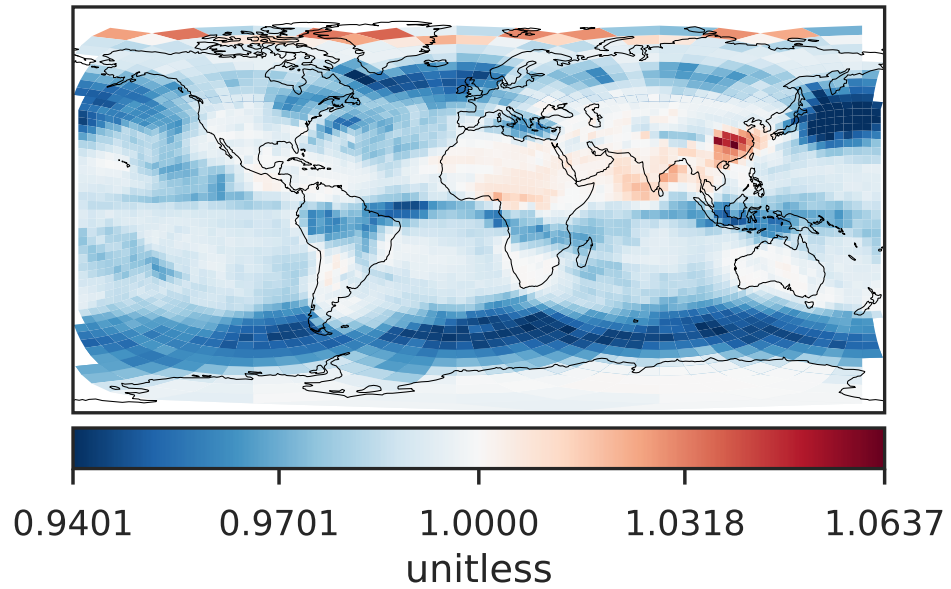
Difference
Dev - Ref, Dynamic Range



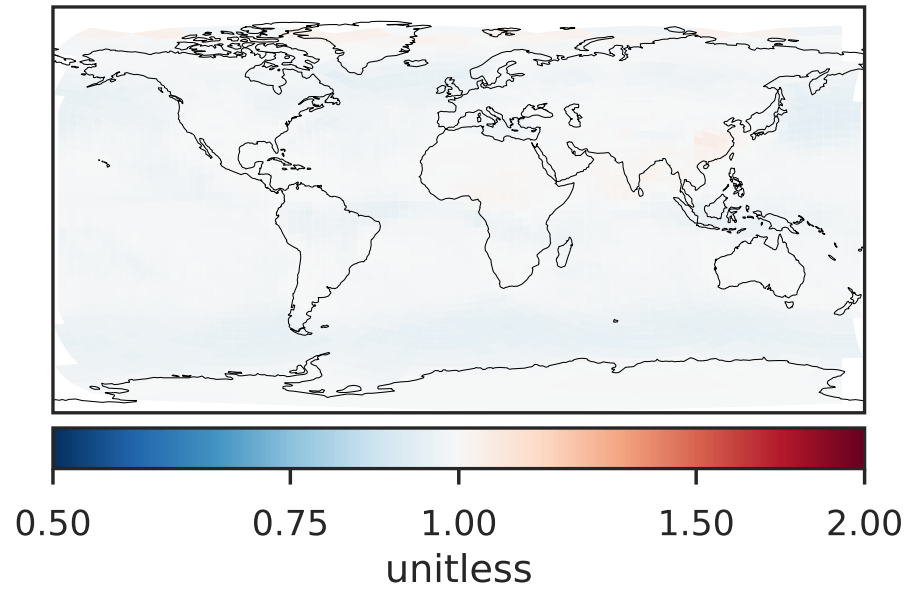
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

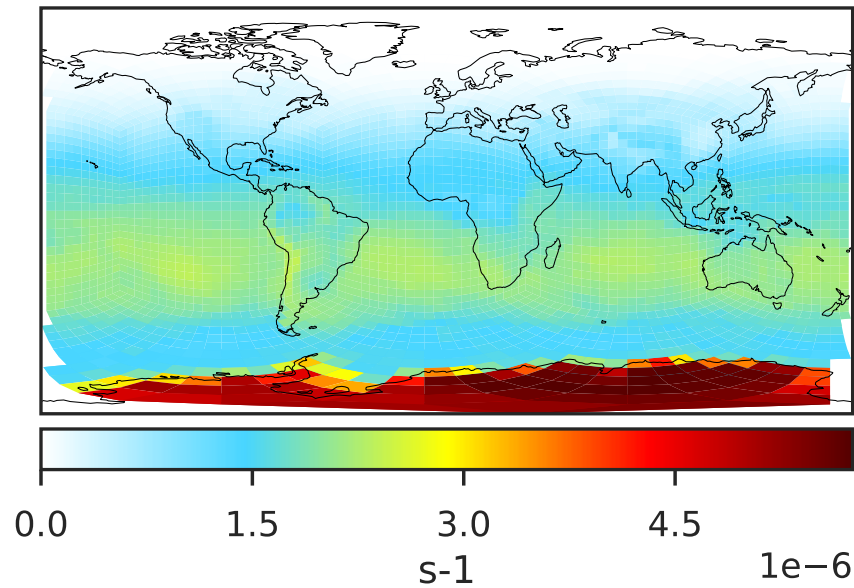


Ratio
Dev/Ref, Fixed Range

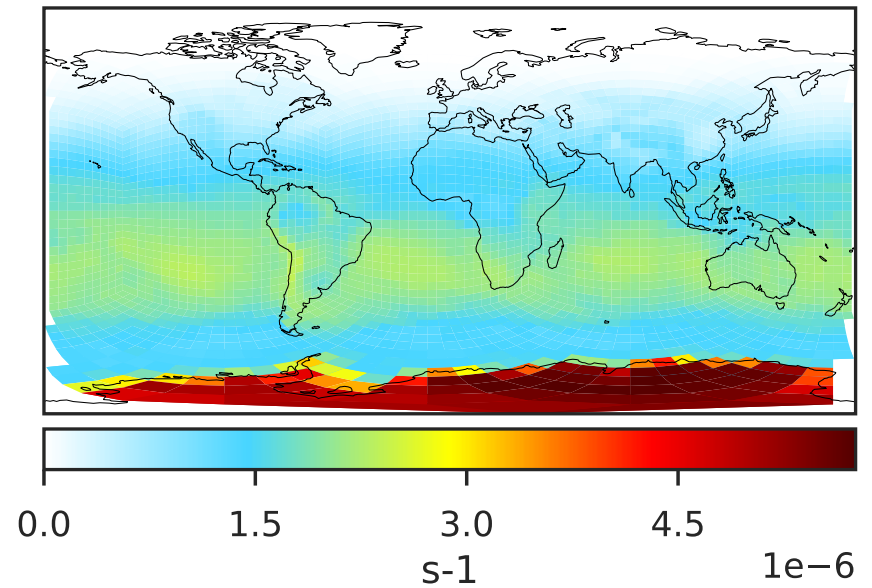


Jval_RB3P (Jan2019)

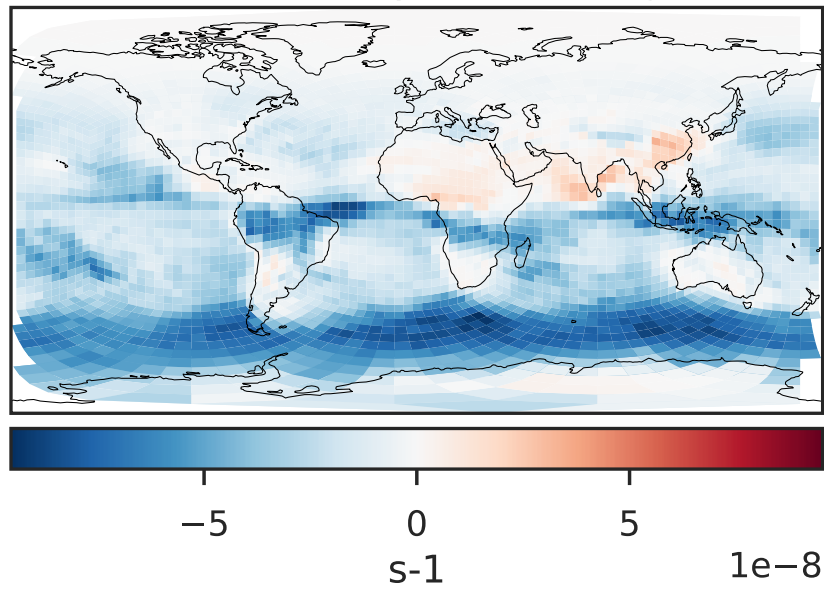
14.2.0-rc.2 (Ref)
c24



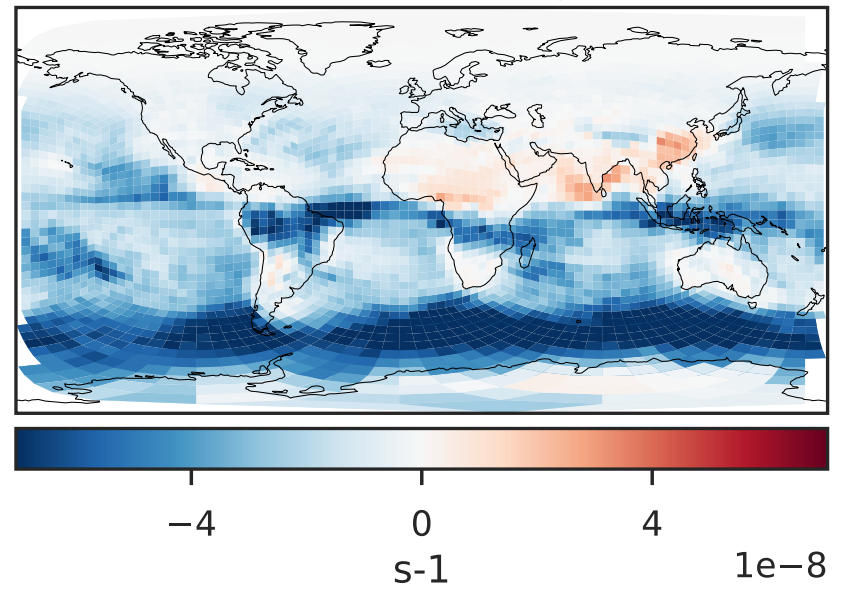
14.3.0-rc.0 (Dev)
c24



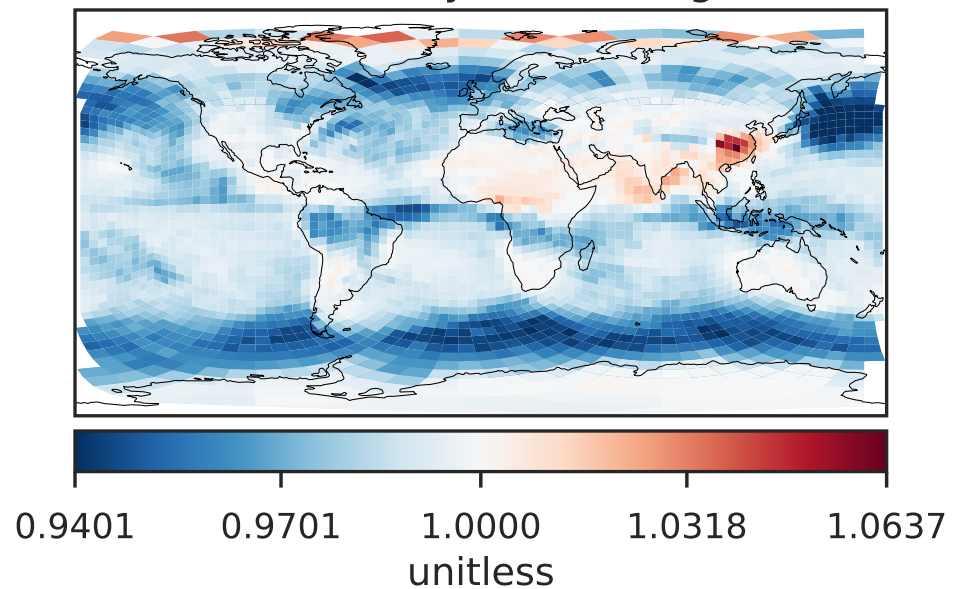
Difference
Dev - Ref, Dynamic Range



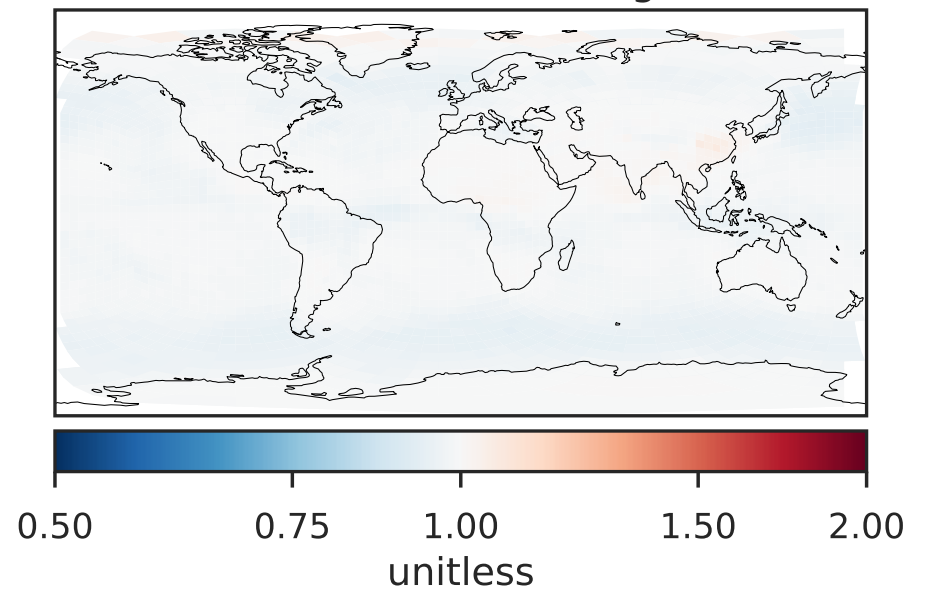
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

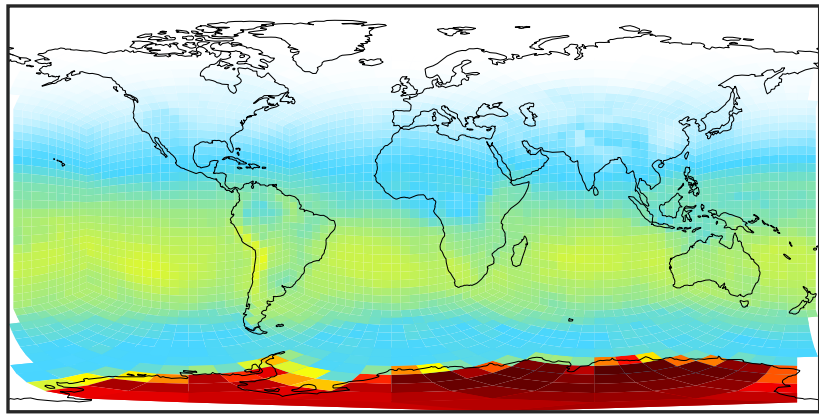


Ratio
Dev/Ref, Fixed Range



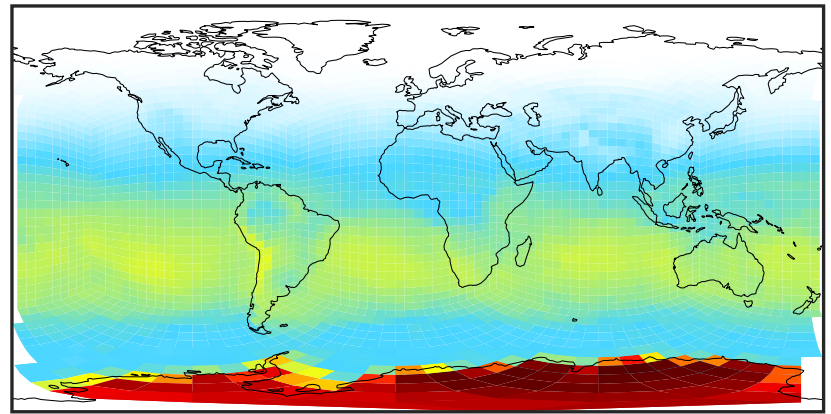
Jval_RCHO (Jan2019)

14.2.0-rc.2 (Ref)
c24



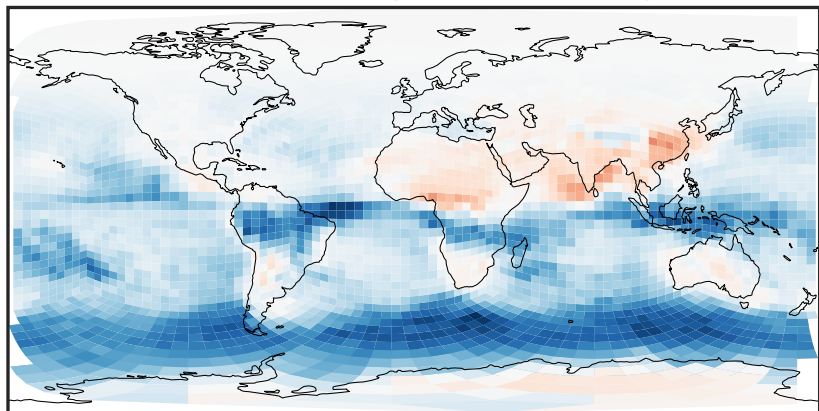
0.0 1.5 3.0 $1e-5$
s-1

14.3.0-rc.0 (Dev)
c24



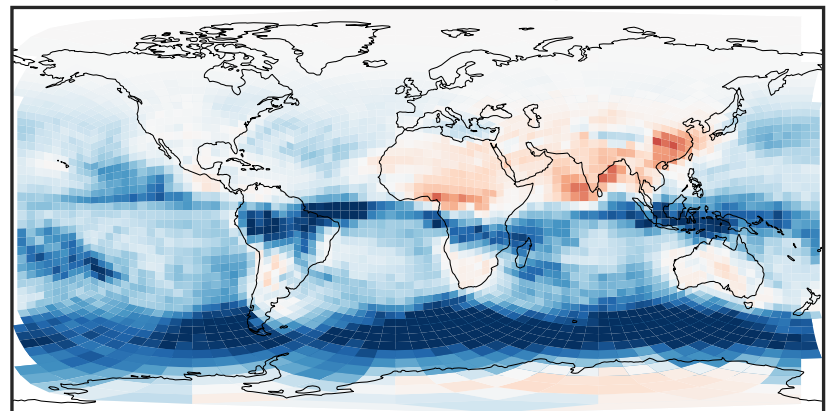
0.0 1.5 3.0 $1e-5$
s-1

Difference
Dev - Ref, Dynamic Range



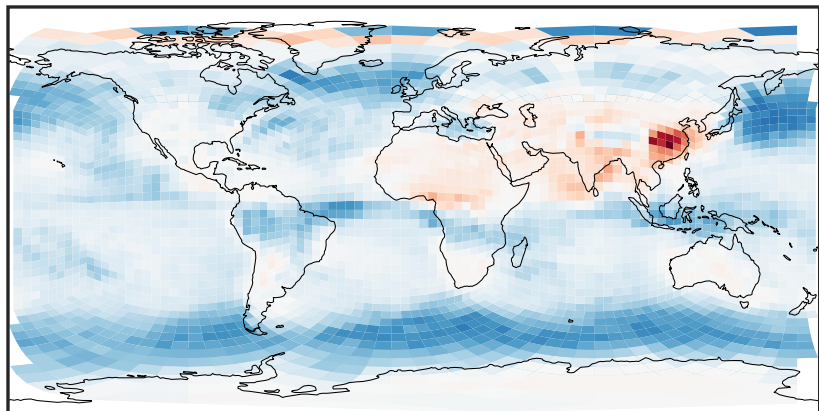
-4 0 4 $1e-7$
s-1

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



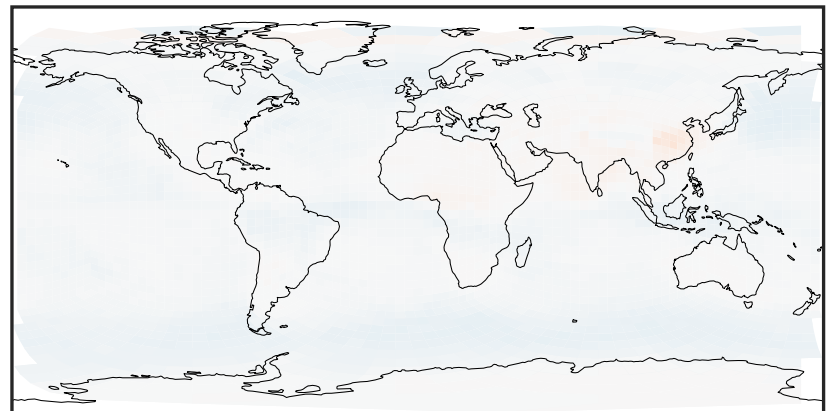
-3 0 3 $1e-7$
s-1

Ratio
Dev/Ref, Dynamic Range



0.9152 0.9576 1.0000 1.0463 1.0927
unitless

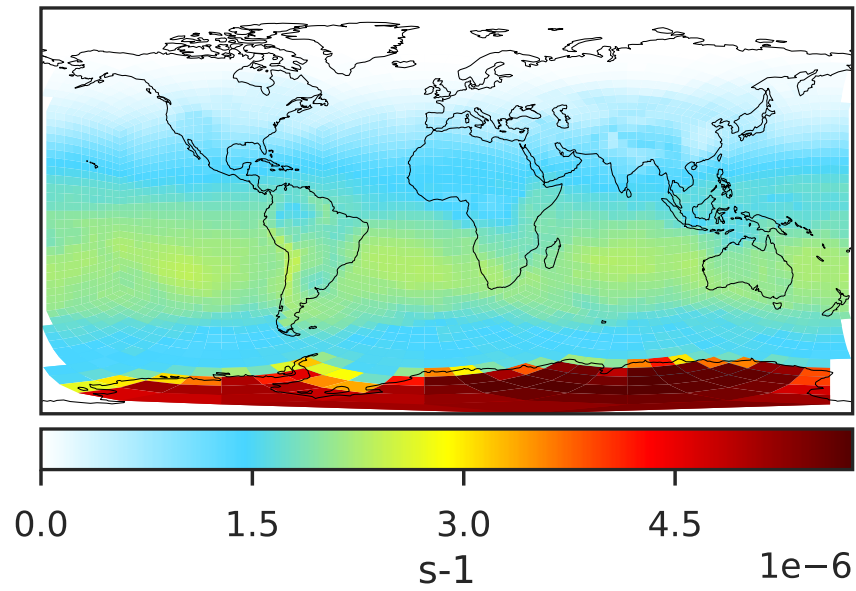
Ratio
Dev/Ref, Fixed Range



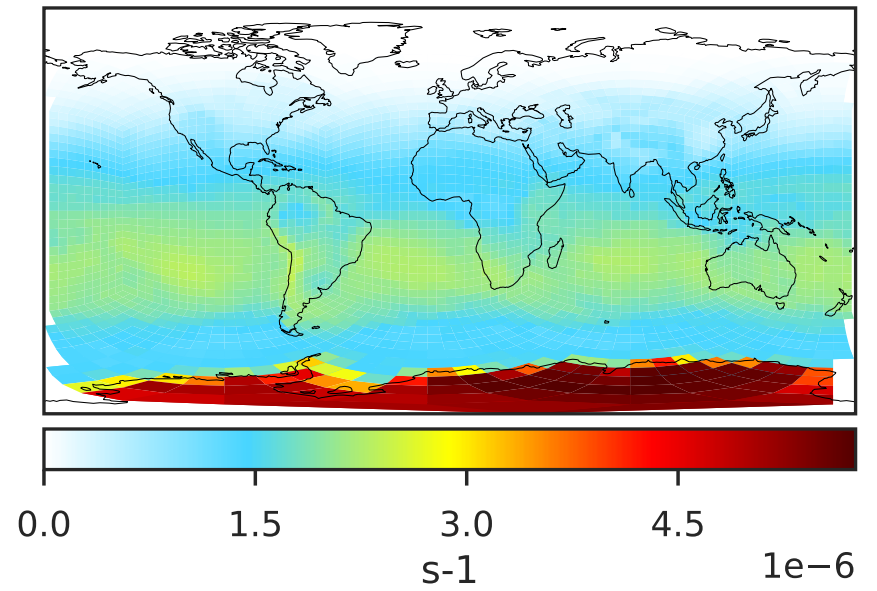
0.50 0.75 1.00 1.50 2.00
unitless

Jval_RIPA (Jan2019)

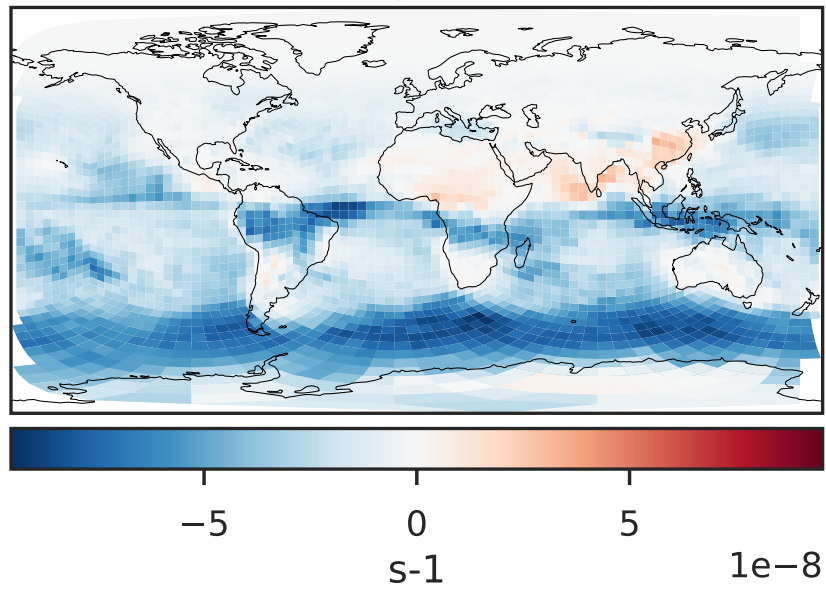
14.2.0-rc.2 (Ref)
c24



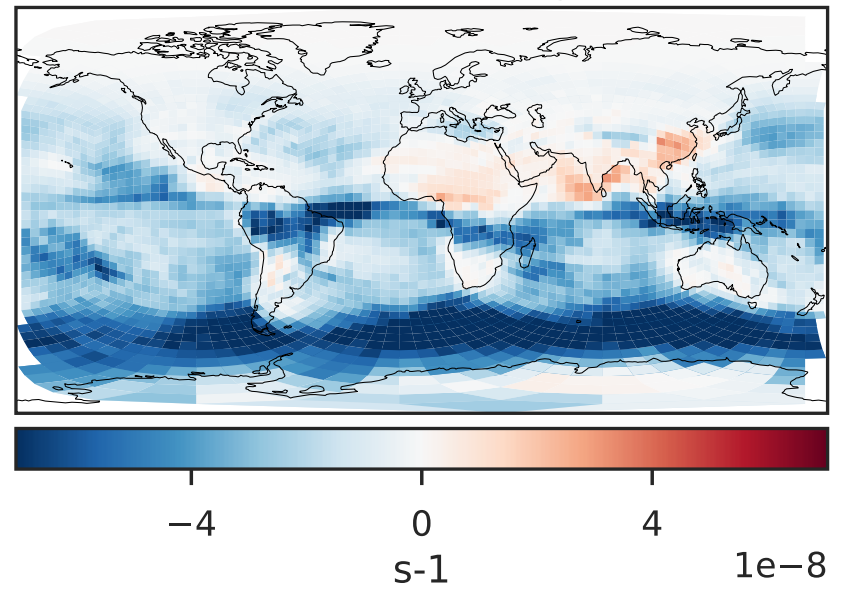
14.3.0-rc.0 (Dev)
c24



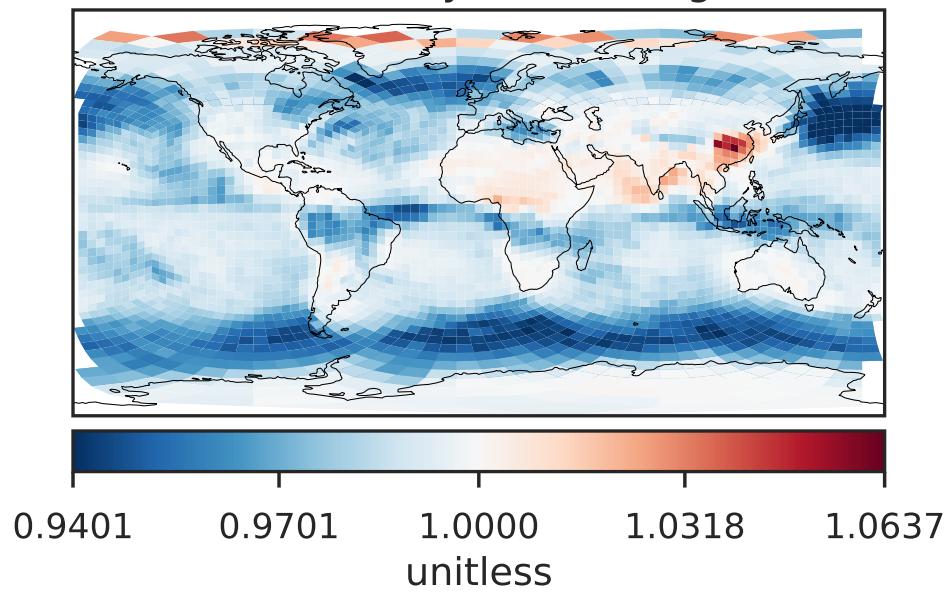
Difference
Dev - Ref, Dynamic Range



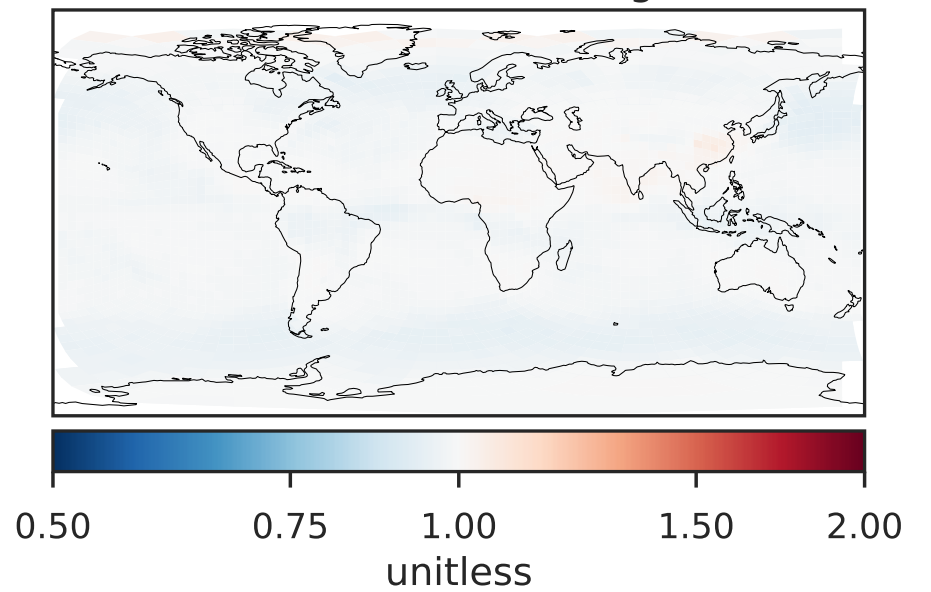
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

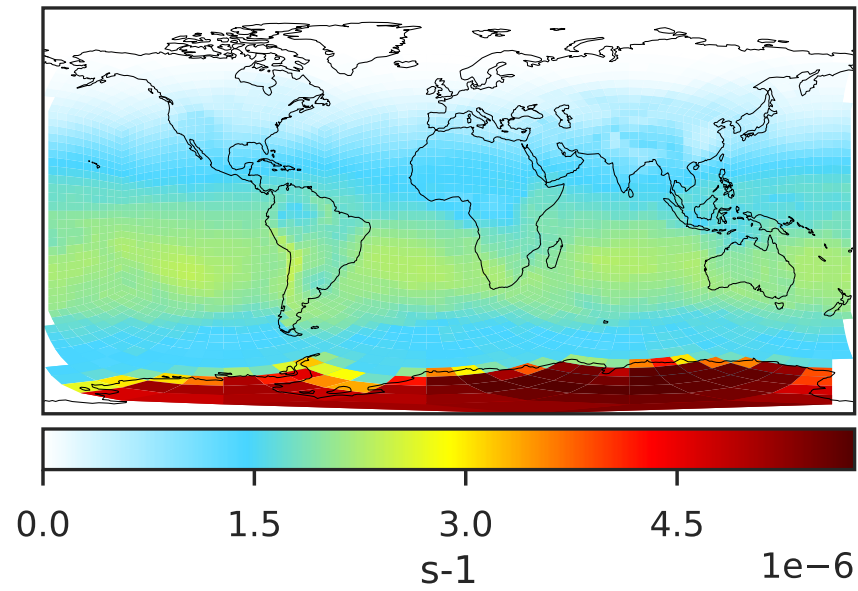


Ratio
Dev/Ref, Fixed Range

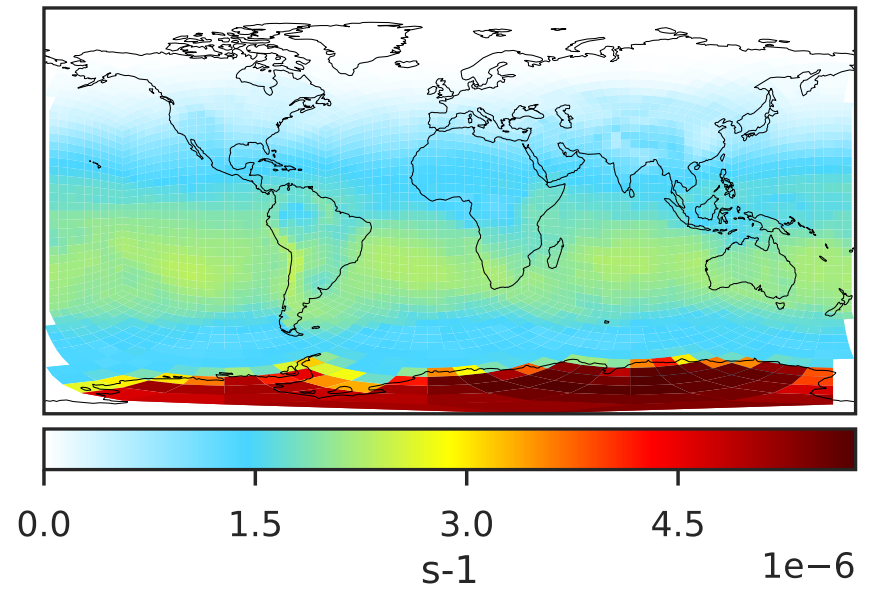


Jval_RIPB (Jan2019)

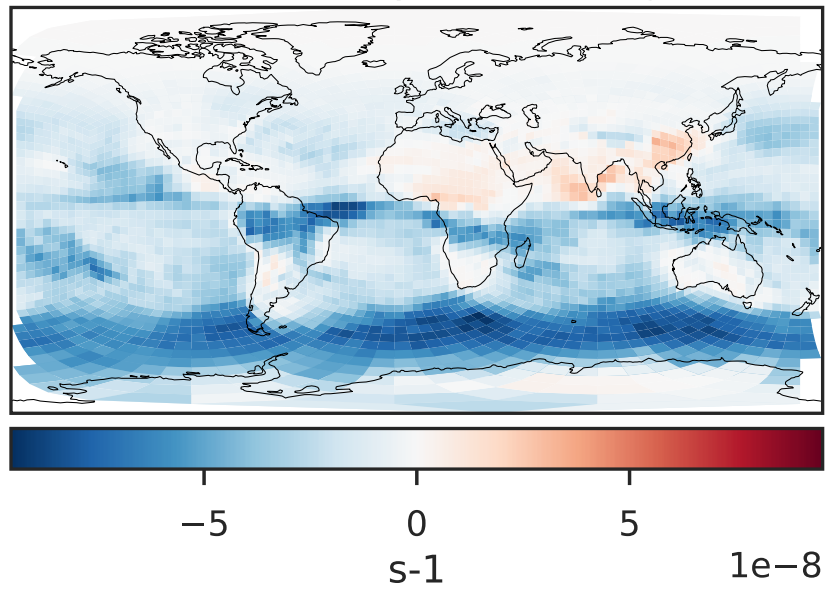
14.2.0-rc.2 (Ref)
c24



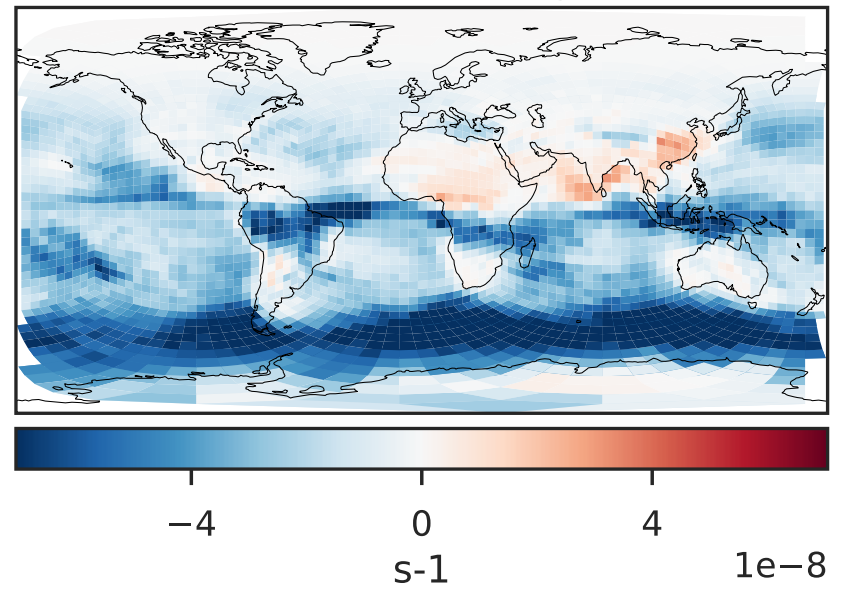
14.3.0-rc.0 (Dev)
c24



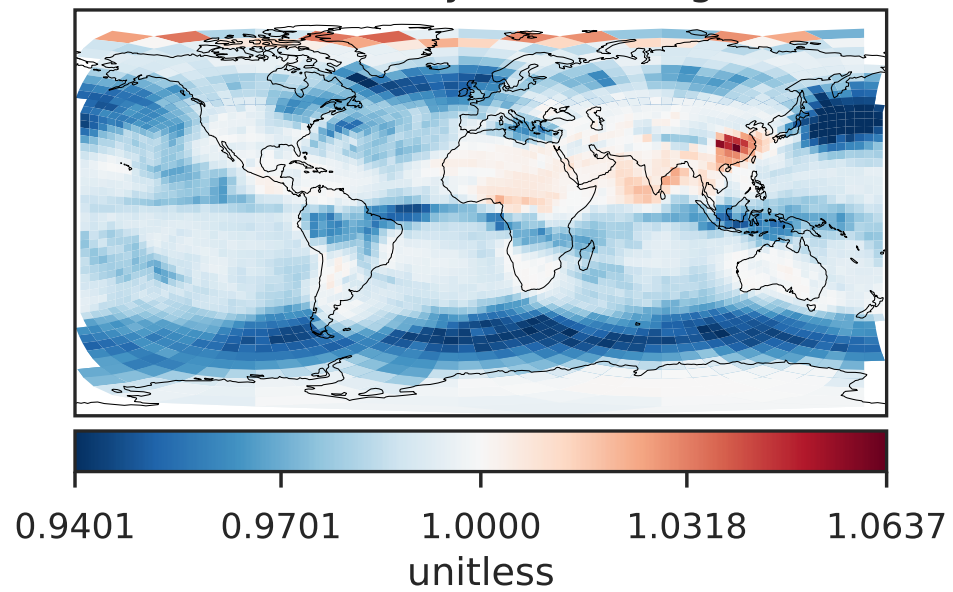
Difference
Dev - Ref, Dynamic Range



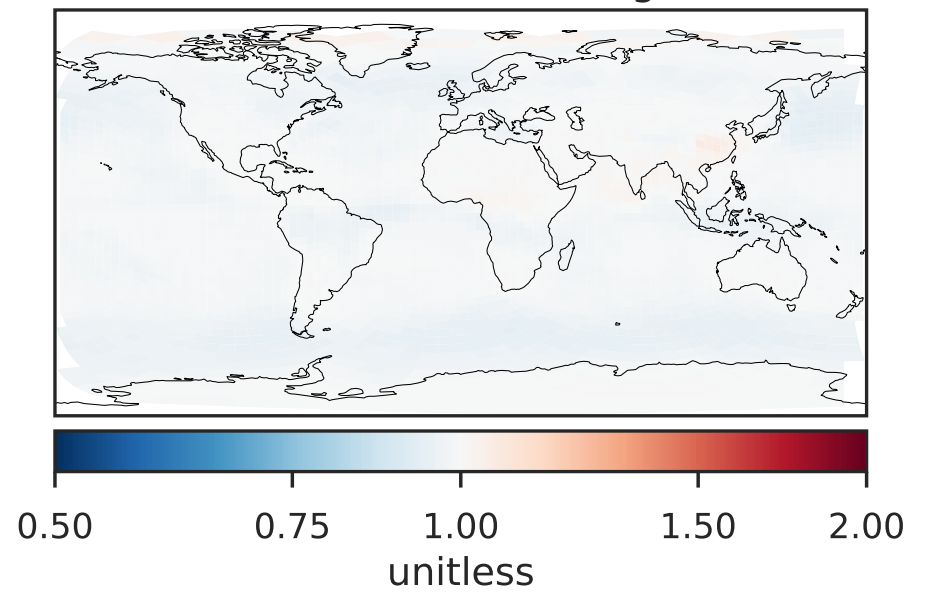
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

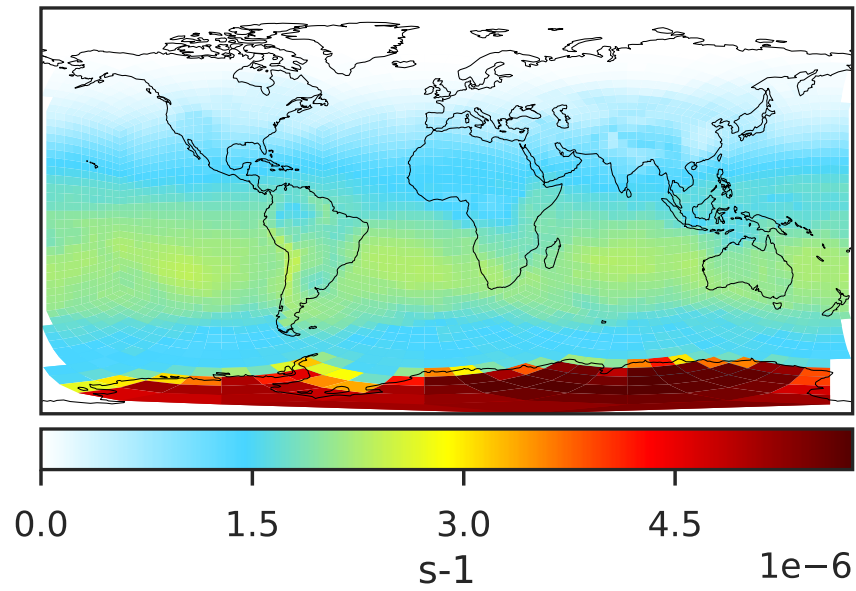


Ratio
Dev/Ref, Fixed Range

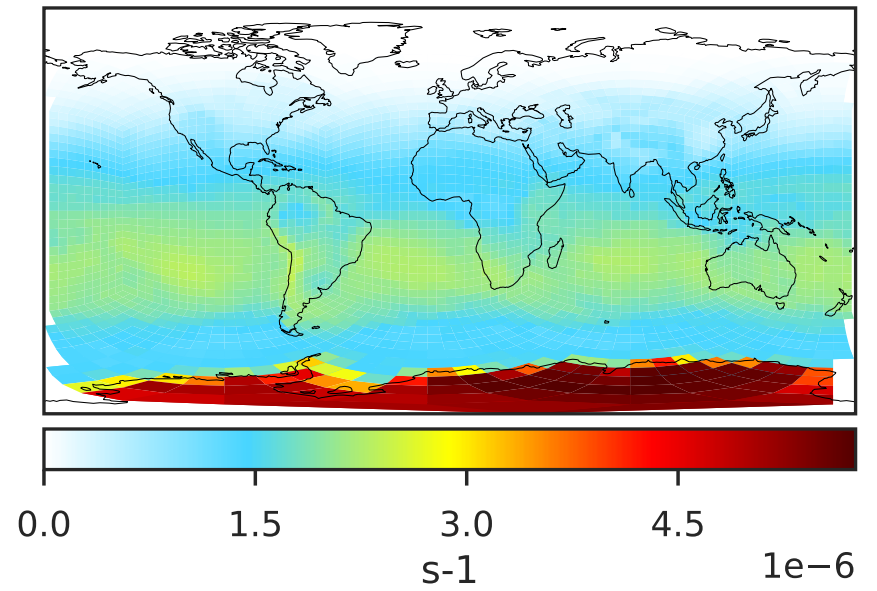


Jval_RIPC (Jan2019)

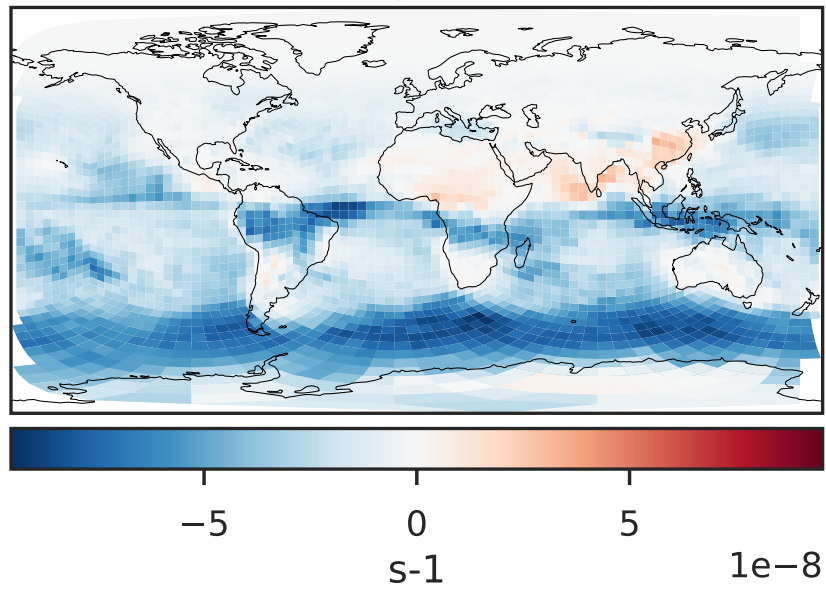
14.2.0-rc.2 (Ref)
c24



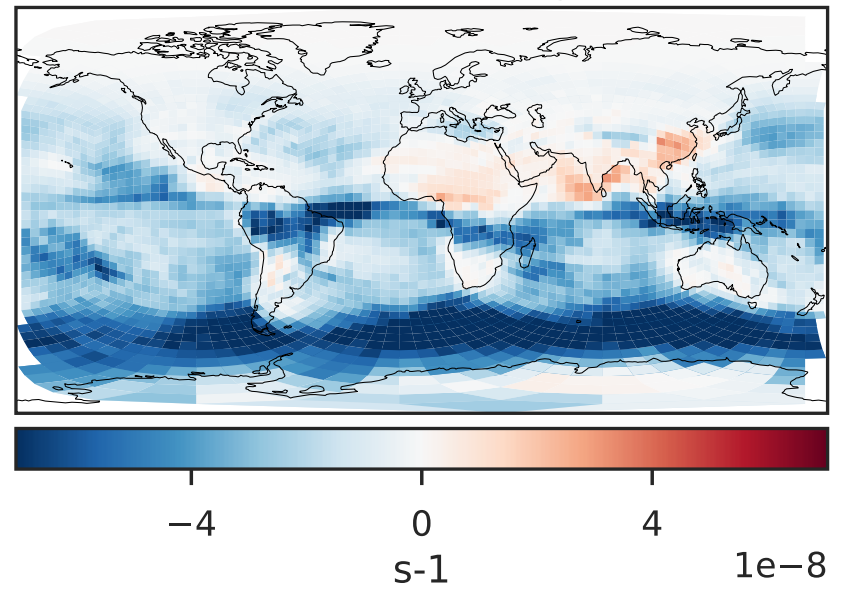
14.3.0-rc.0 (Dev)
c24



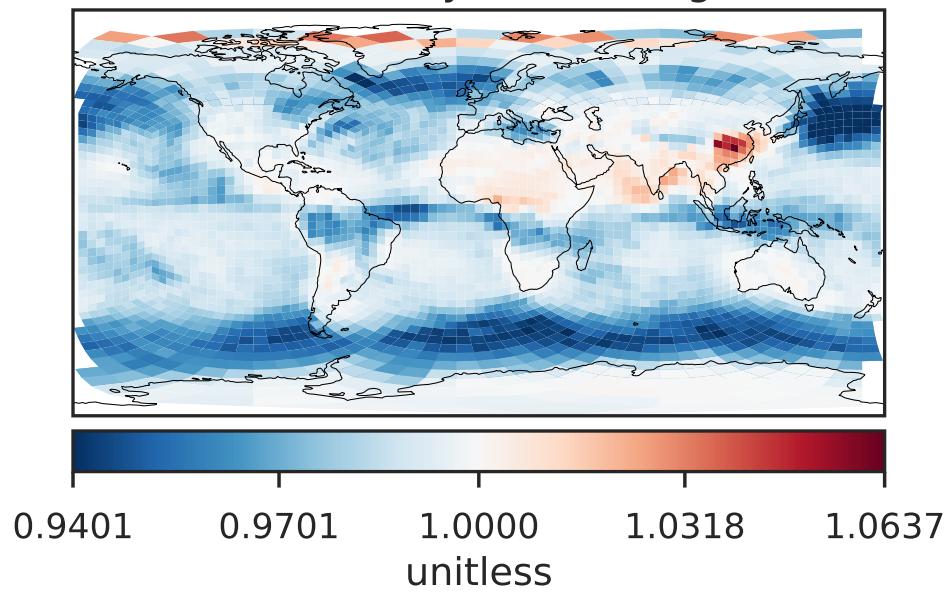
Difference
Dev - Ref, Dynamic Range



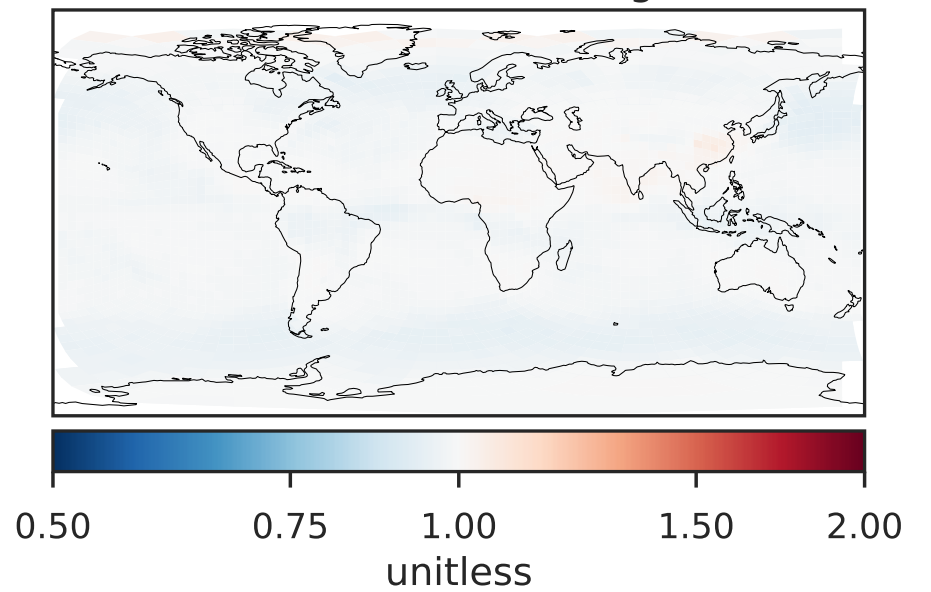
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

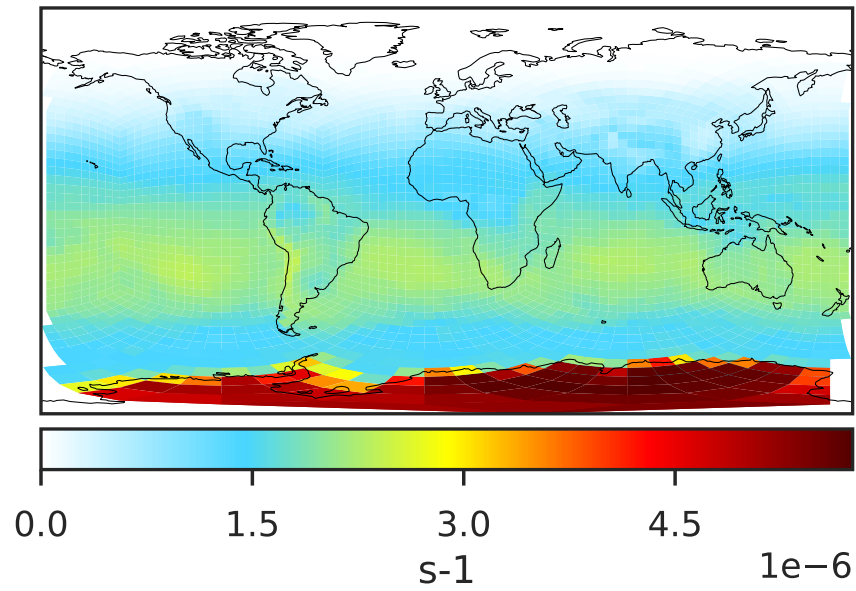


Ratio
Dev/Ref, Fixed Range

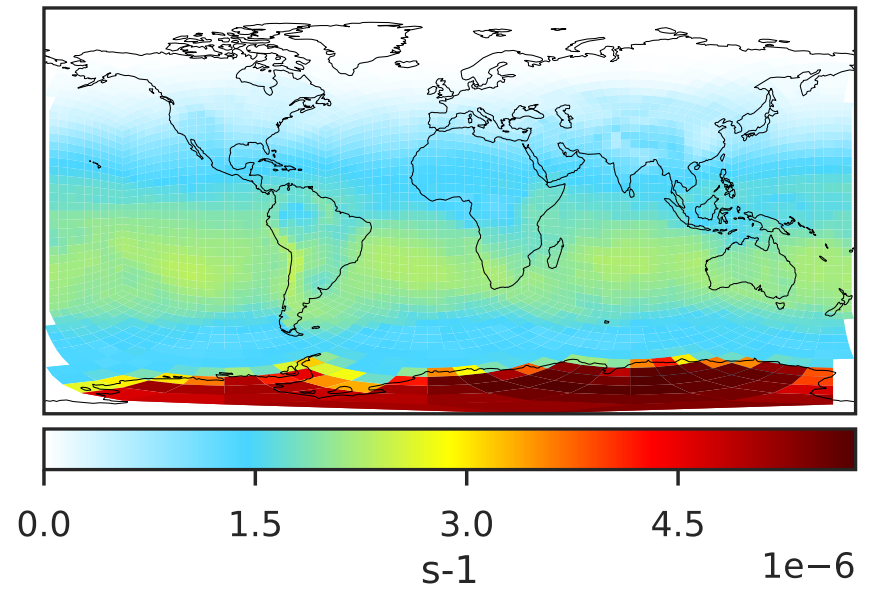


Jval_RIPD (Jan2019)

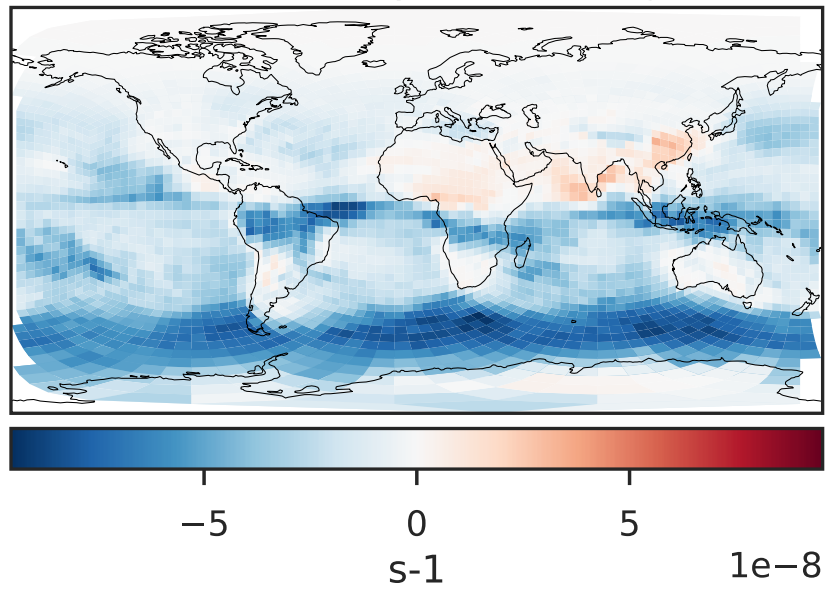
14.2.0-rc.2 (Ref)
c24



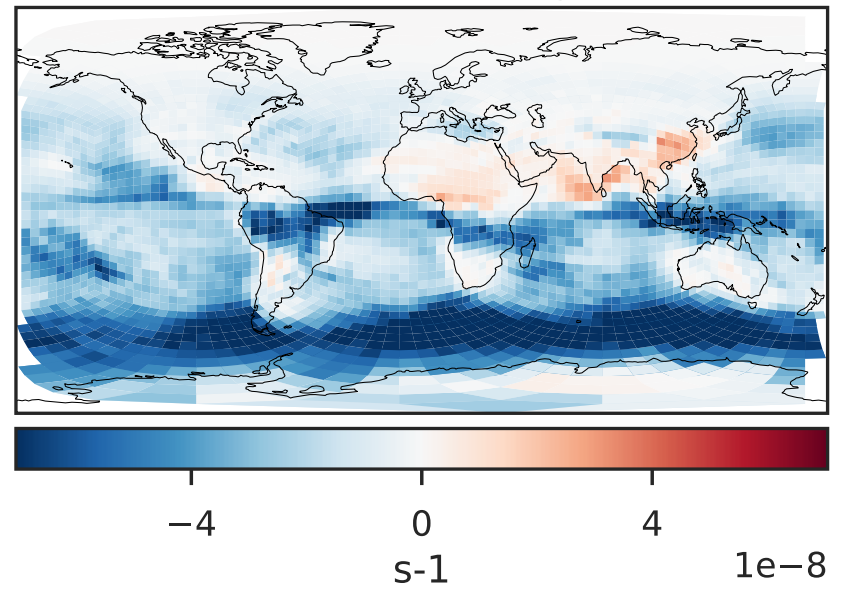
14.3.0-rc.0 (Dev)
c24



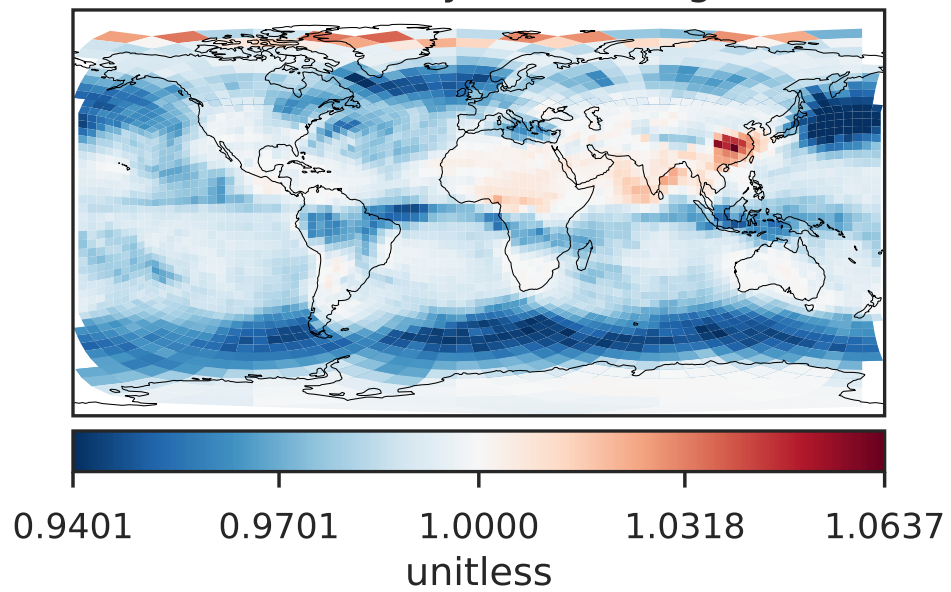
Difference
Dev - Ref, Dynamic Range



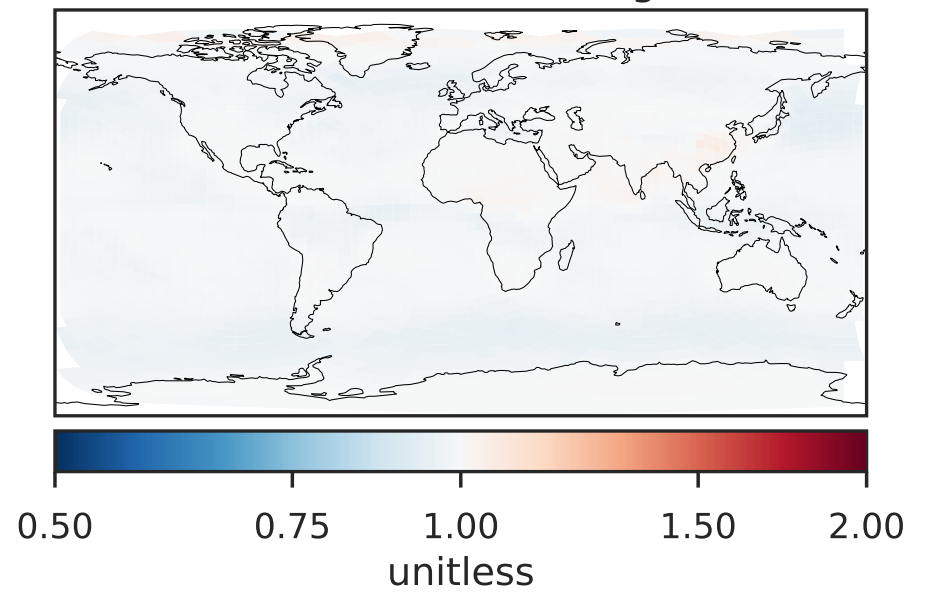
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

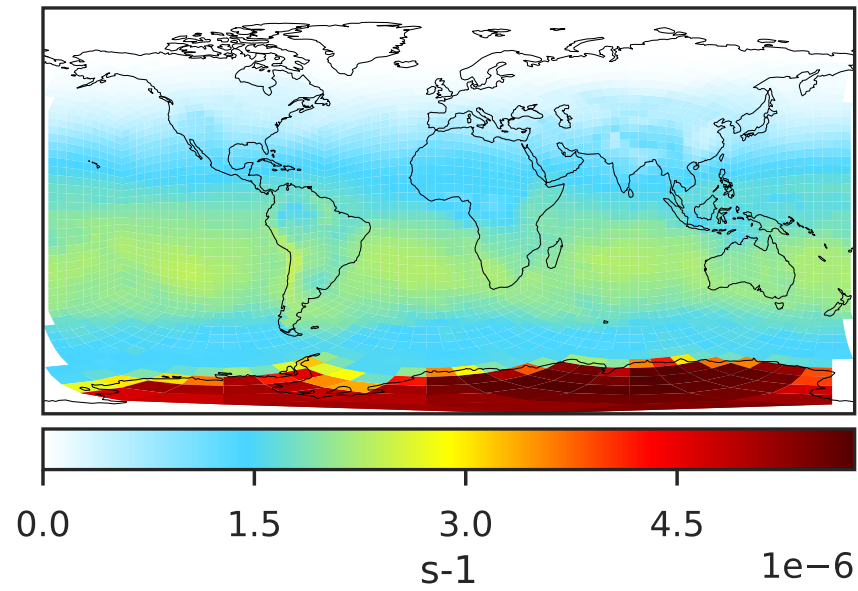


Ratio
Dev/Ref, Fixed Range

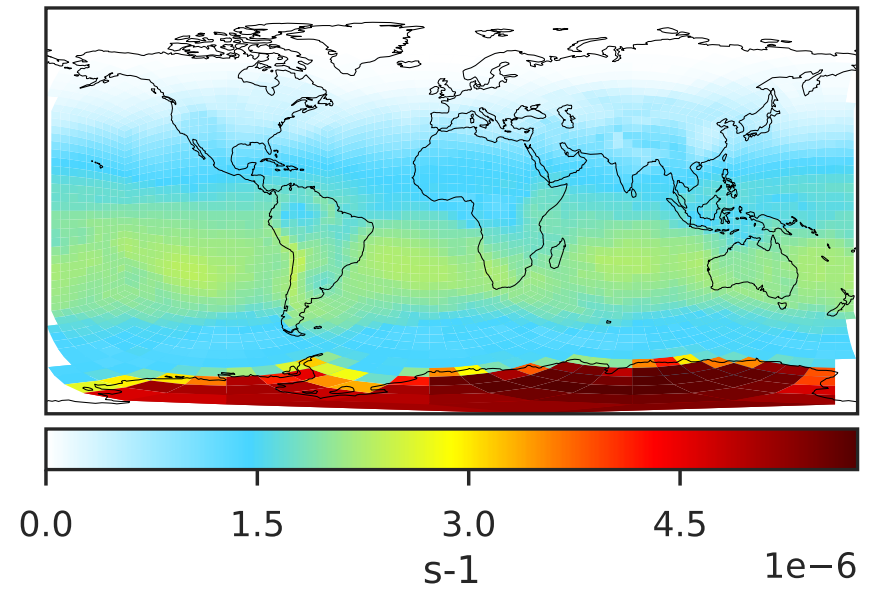


Jval_RP (Jan2019)

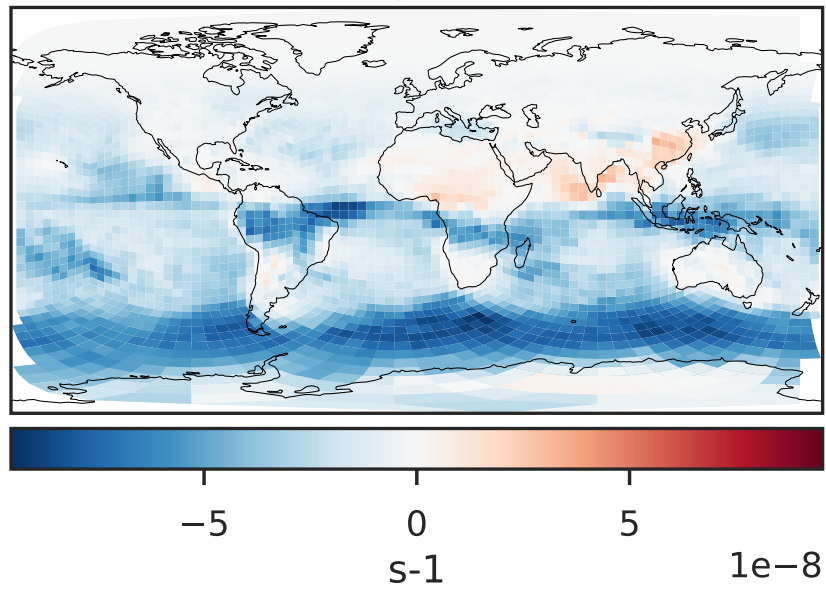
14.2.0-rc.2 (Ref)
c24



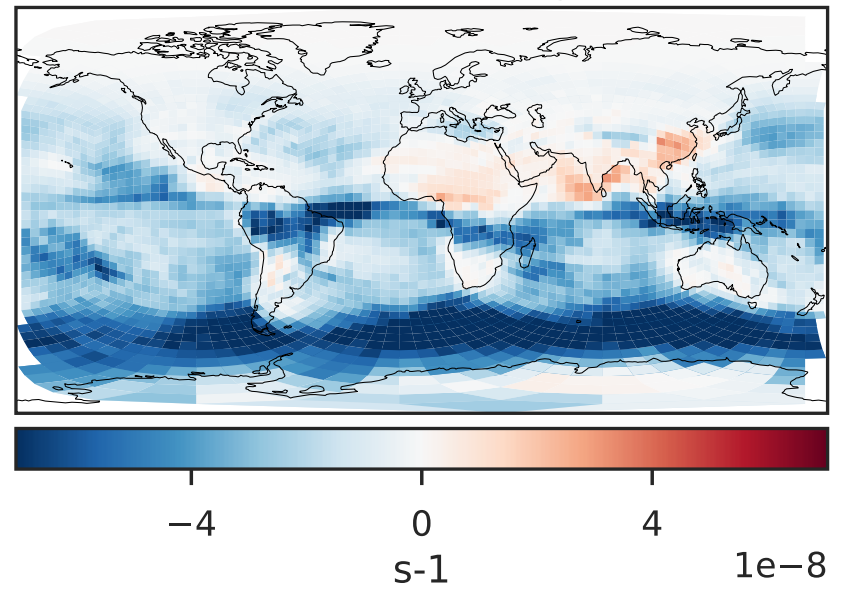
14.3.0-rc.0 (Dev)
c24



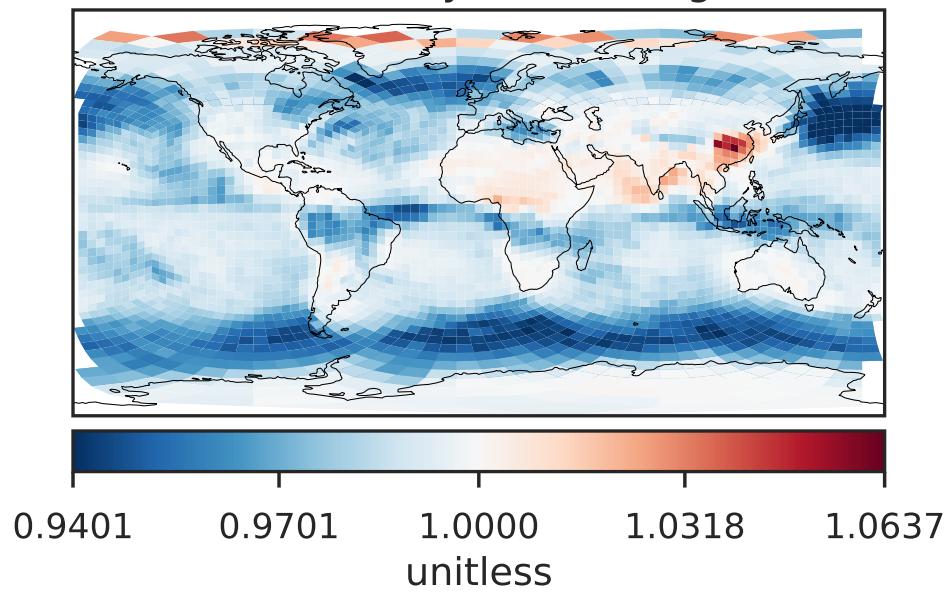
Difference
Dev - Ref, Dynamic Range



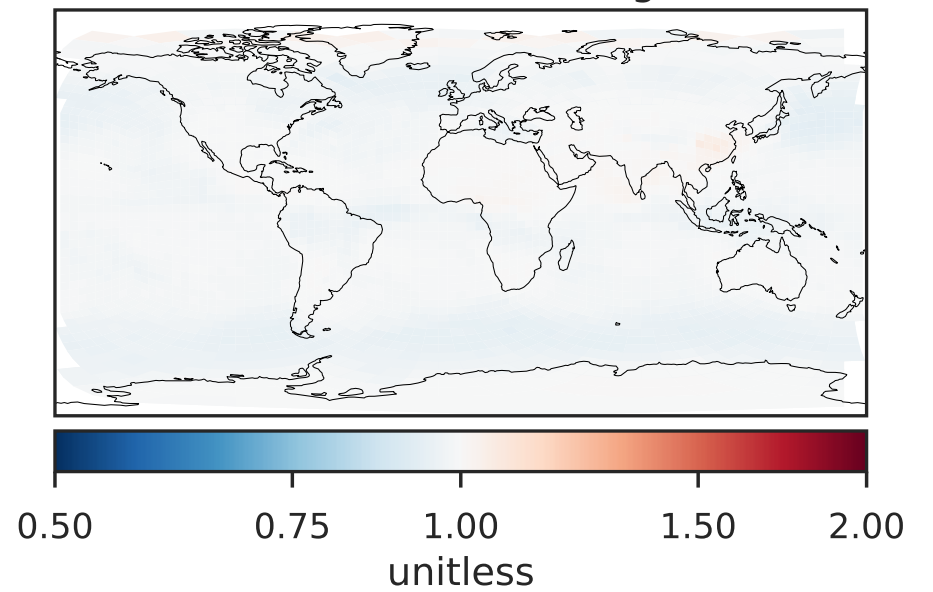
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range



Ratio
Dev/Ref, Fixed Range



Jval_SO4 (Jan2019)

14.2.0-rc.2 (Ref)
c24



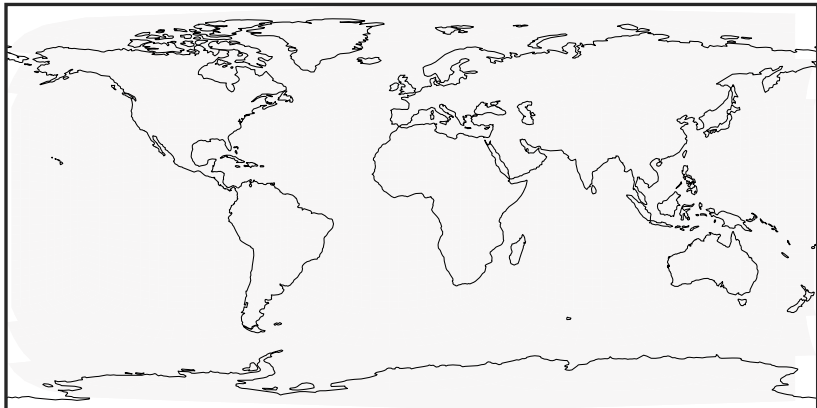
Zero throughout domain
s-1

14.3.0-rc.0 (Dev)
c24



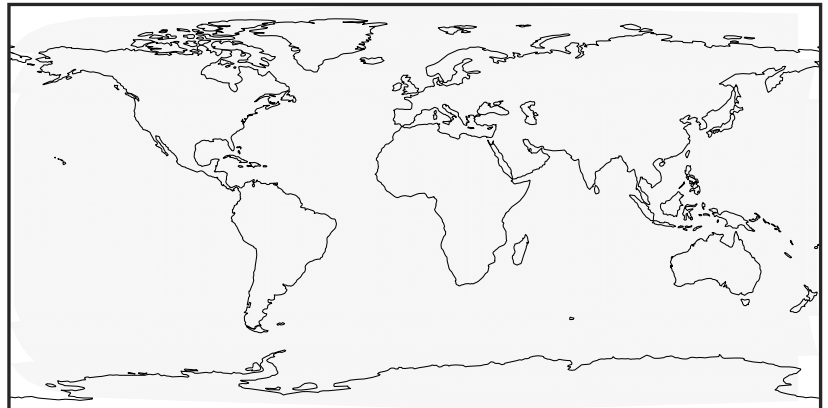
Zero throughout domain
s-1

Difference
Dev - Ref, Dynamic Range



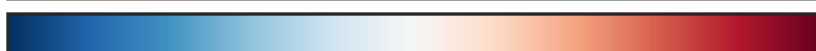
Zero throughout domain
s-1

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



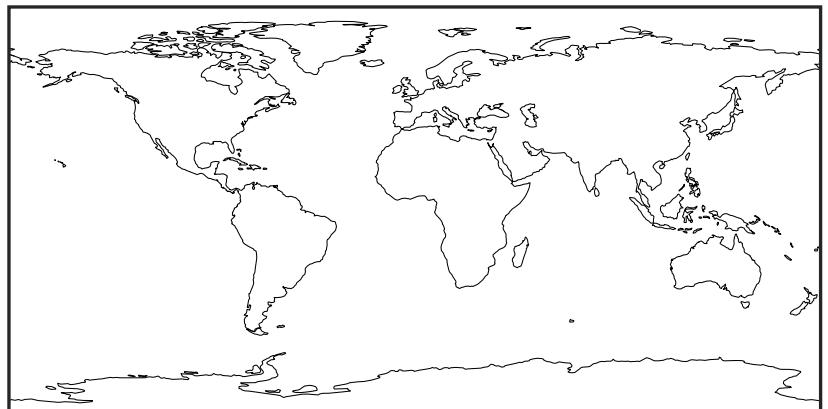
Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range



Undefined throughout domain
unitless

Ratio
Dev/Ref, Fixed Range



Undefined throughout domain
unitless