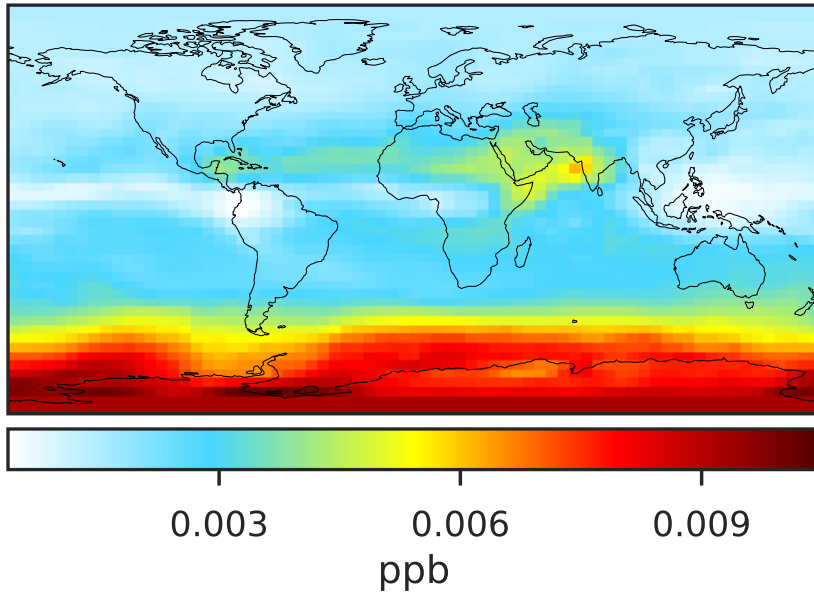
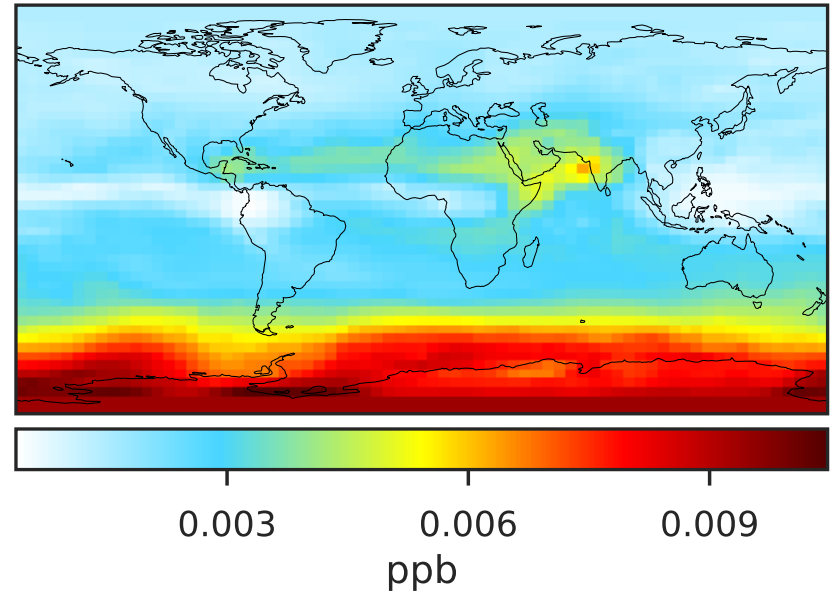


# SpeciesConcVV\_Bry (Jul2019)

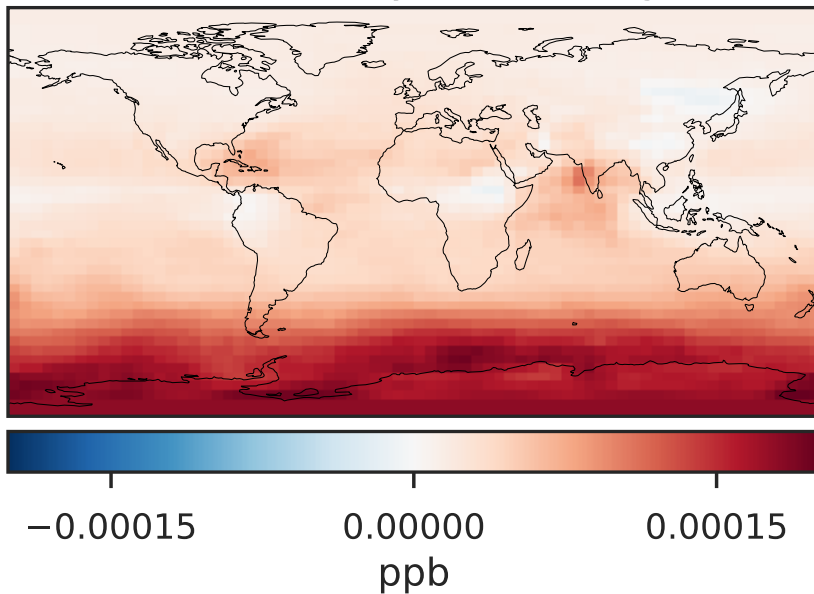
14.2.0-rc.2 (Ref)  
4.0x5.0



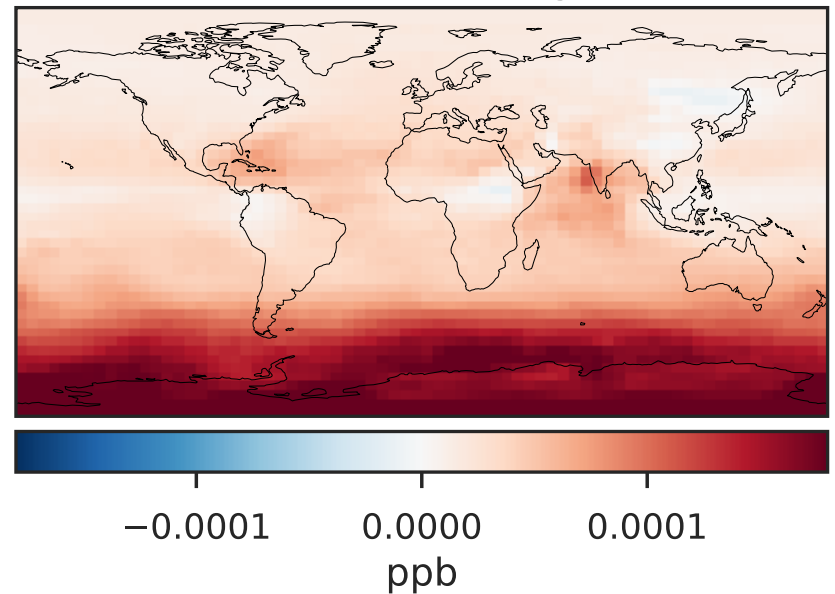
14.3.0-rc.0 (Dev)  
4.0x5.0



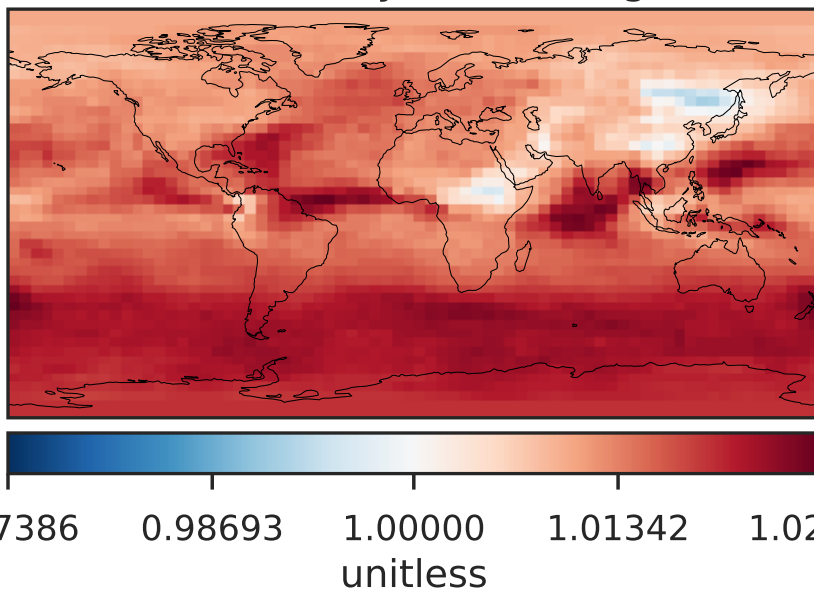
Difference  
Dev - Ref, Dynamic Range



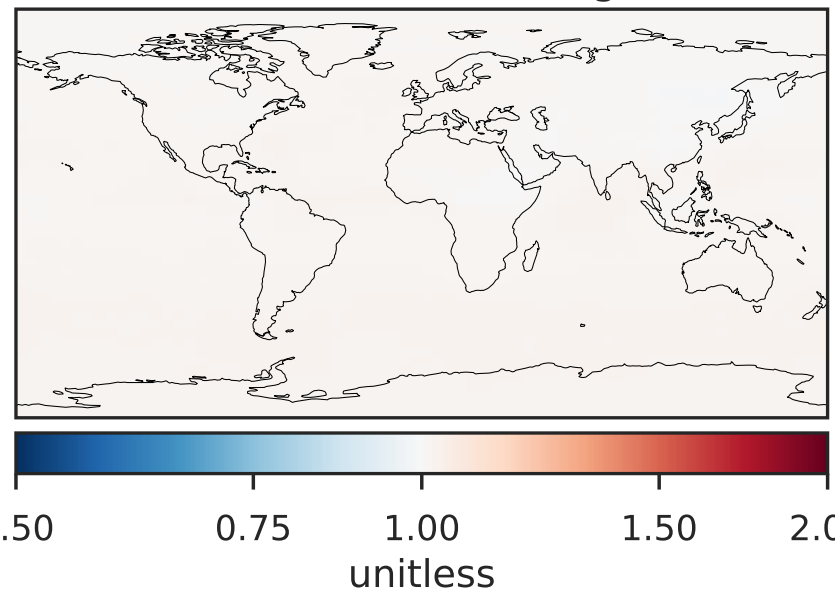
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

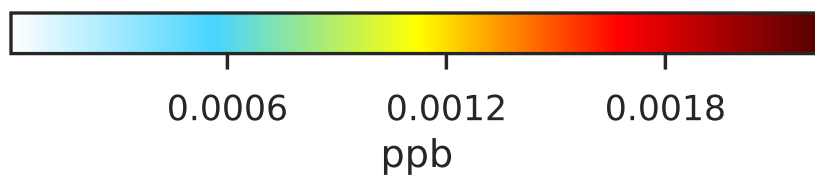
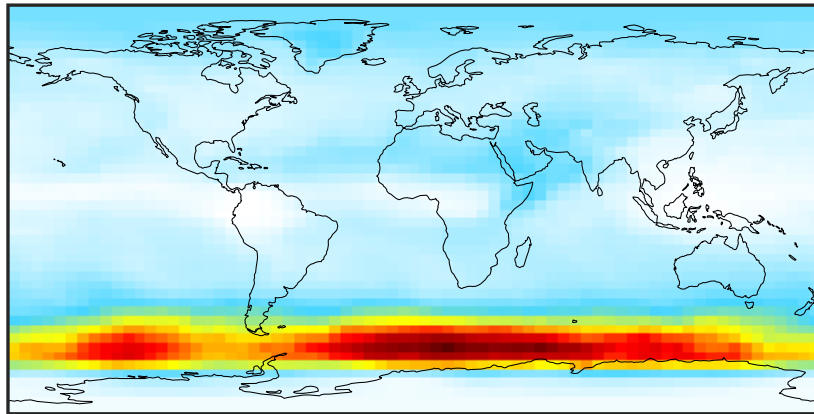


Ratio  
Dev/Ref, Fixed Range

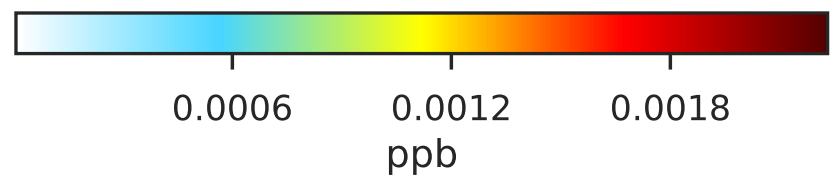
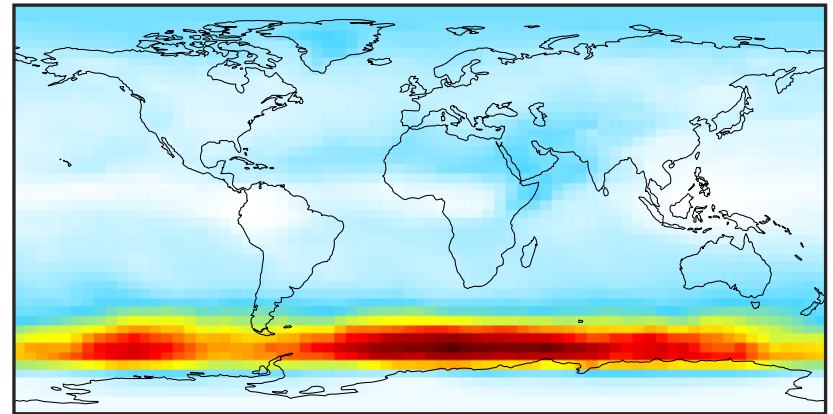


# SpeciesConcVV\_BrOx (Jul2019)

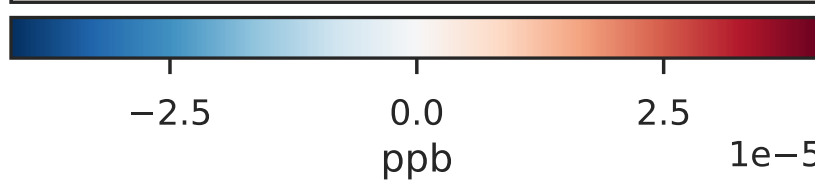
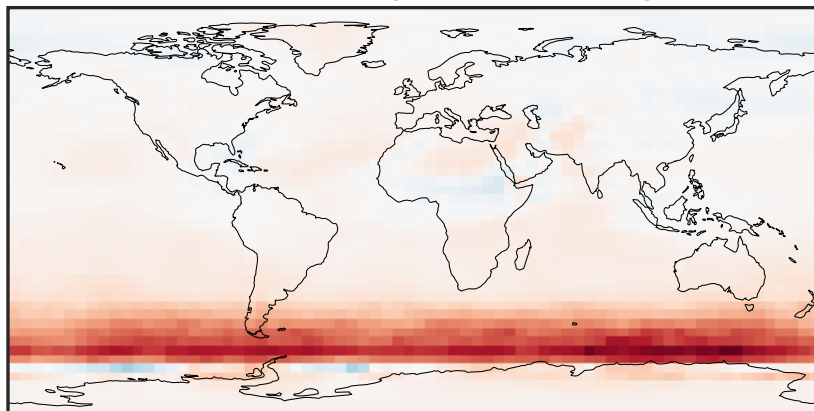
14.2.0-rc.2 (Ref)  
4.0x5.0



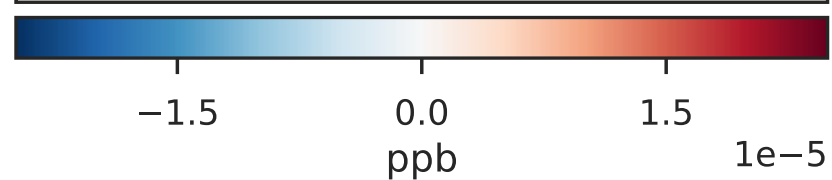
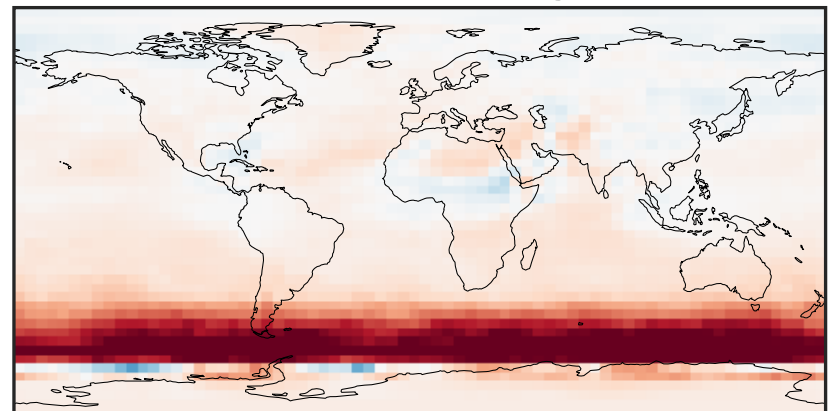
14.3.0-rc.0 (Dev)  
4.0x5.0



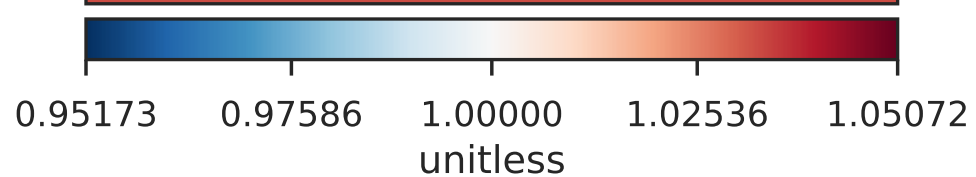
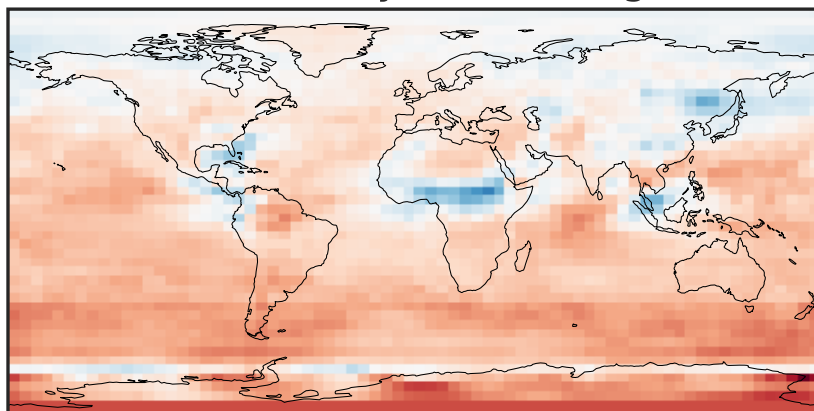
Difference  
Dev - Ref, Dynamic Range



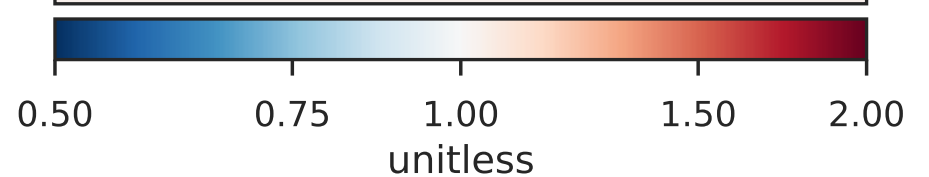
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

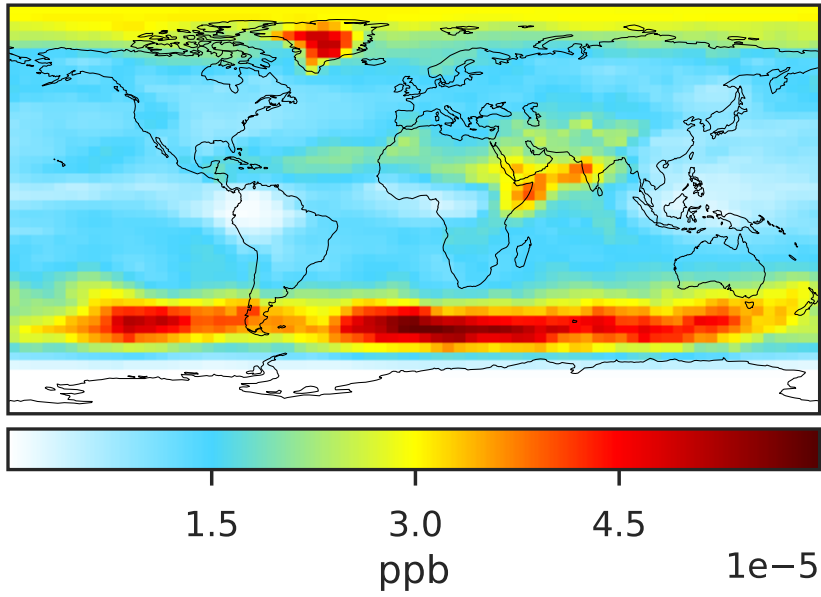


Ratio  
Dev/Ref, Fixed Range

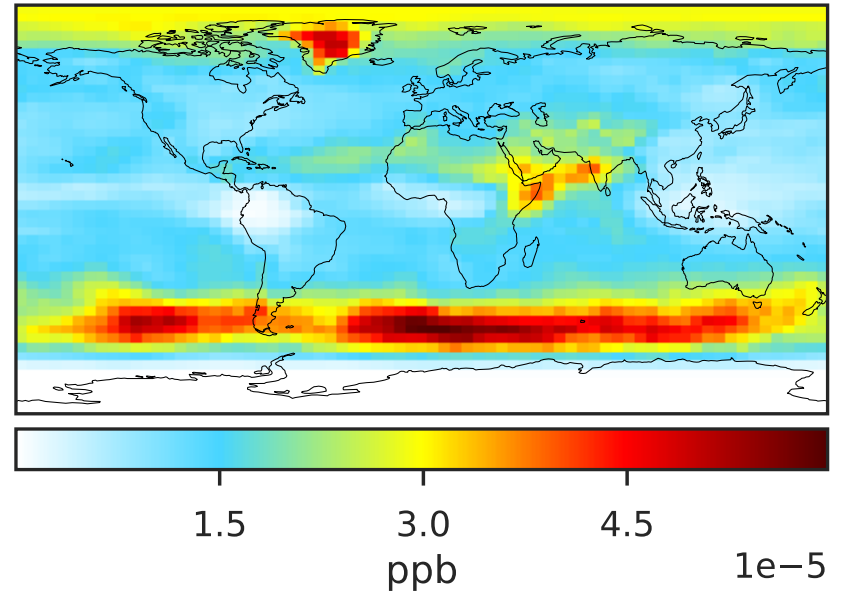


# SpeciesConcVV\_Br (Jul2019)

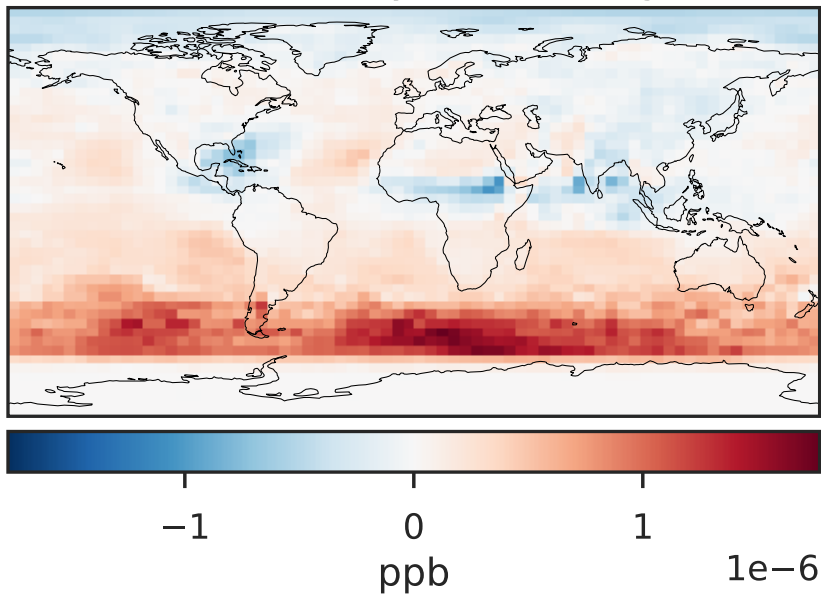
14.2.0-rc.2 (Ref)  
4.0x5.0



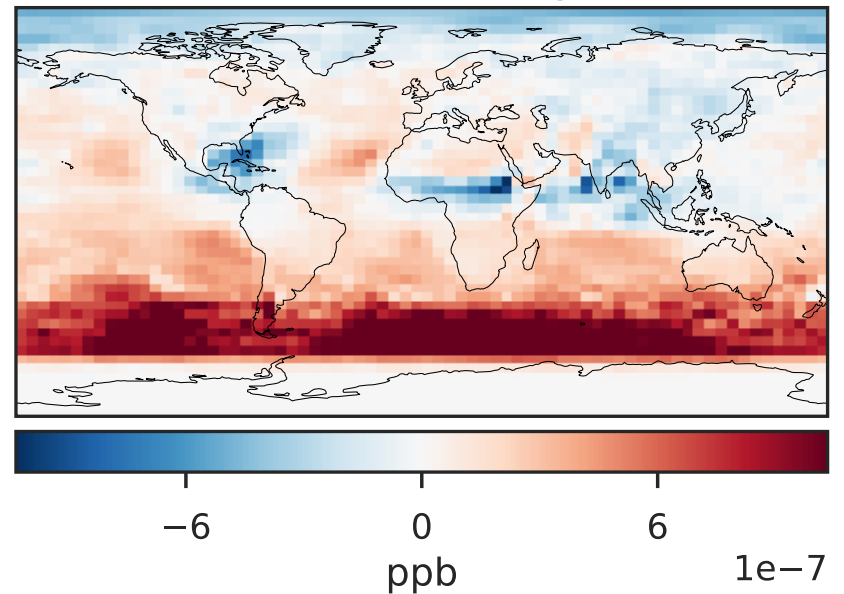
14.3.0-rc.0 (Dev)  
4.0x5.0



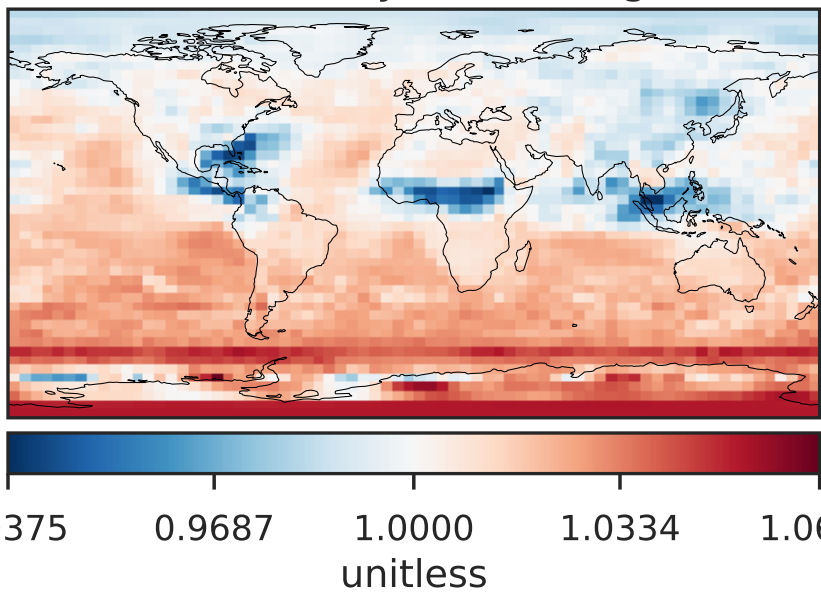
Difference  
Dev - Ref, Dynamic Range



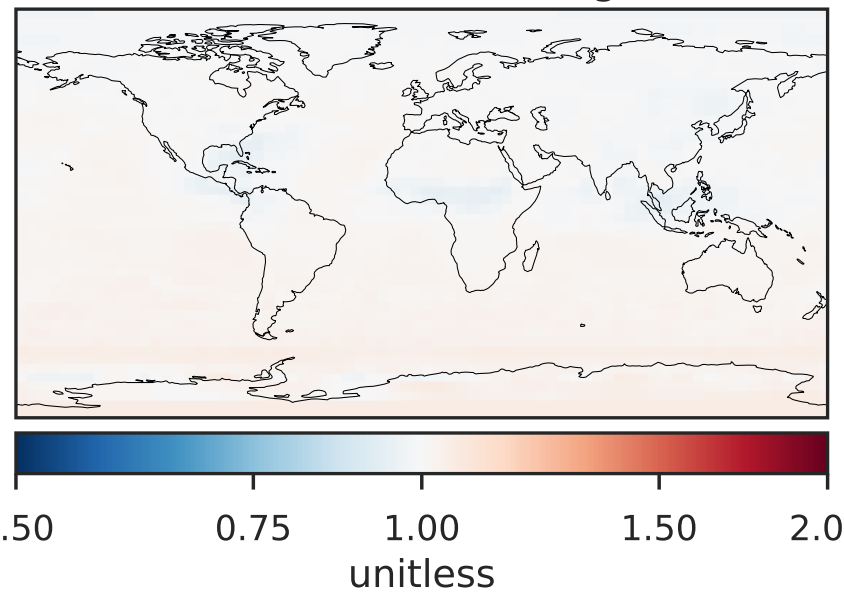
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

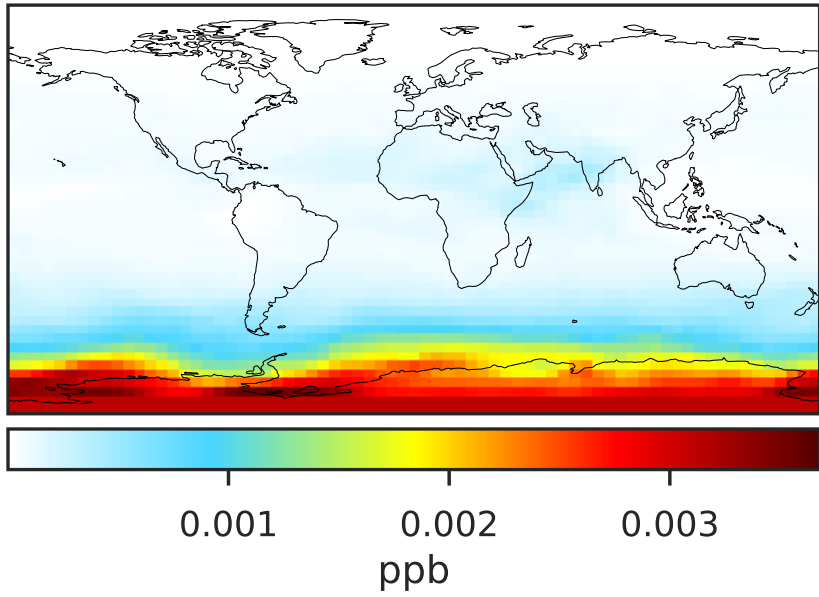


Ratio  
Dev/Ref, Fixed Range

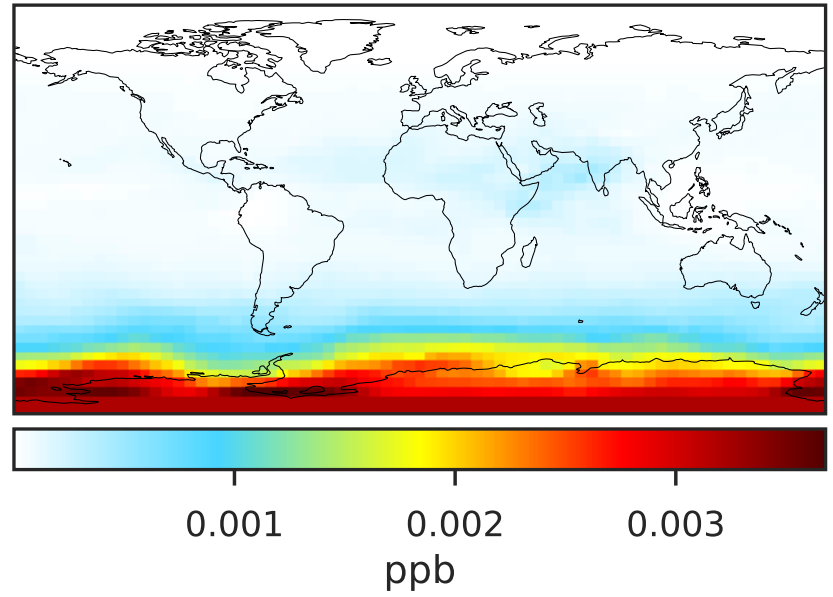


# SpeciesConcVV\_Br2 (Jul2019)

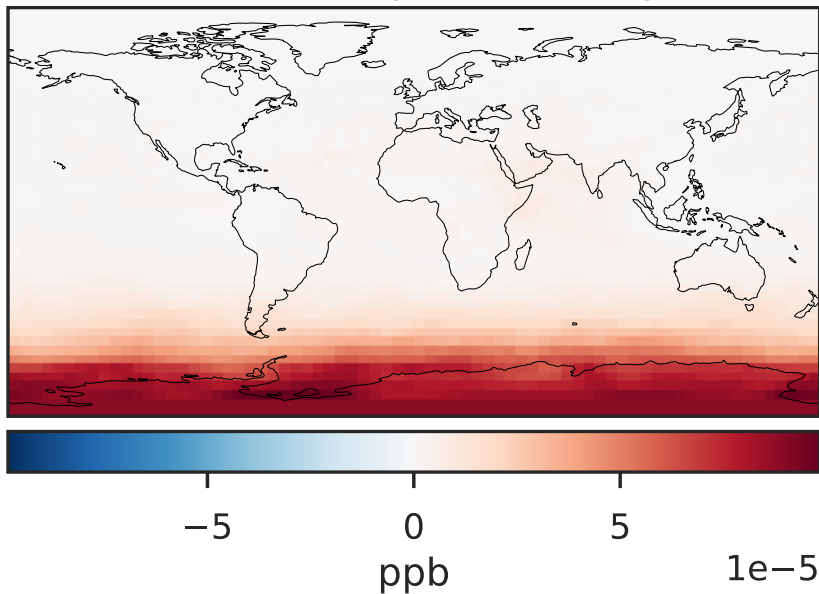
14.2.0-rc.2 (Ref)  
4.0x5.0



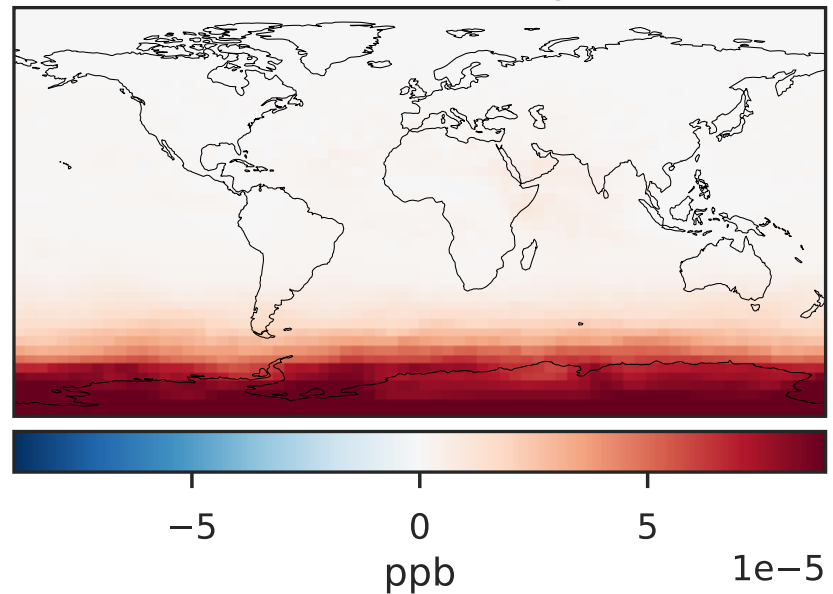
14.3.0-rc.0 (Dev)  
4.0x5.0



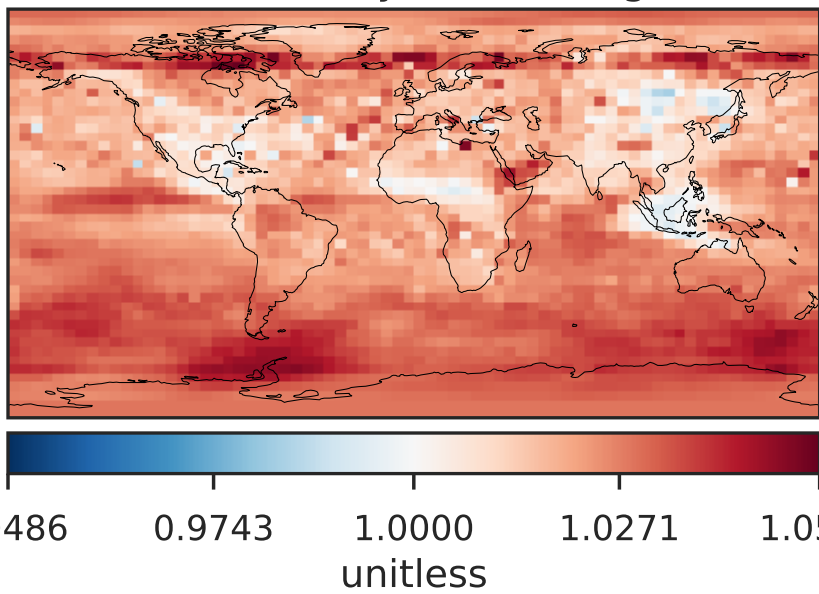
Difference  
Dev - Ref, Dynamic Range



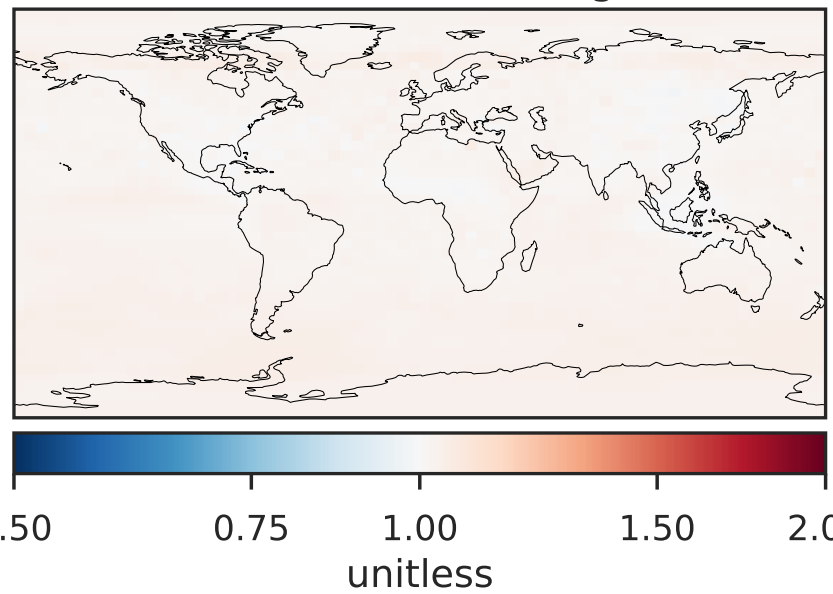
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

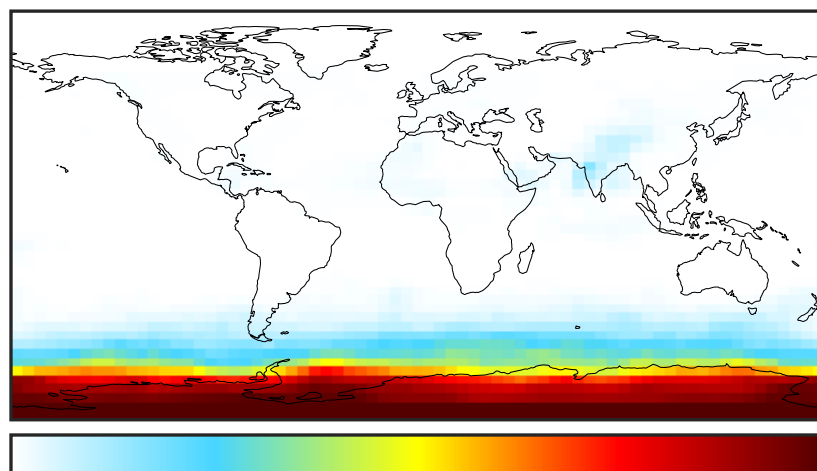


Ratio  
Dev/Ref, Fixed Range



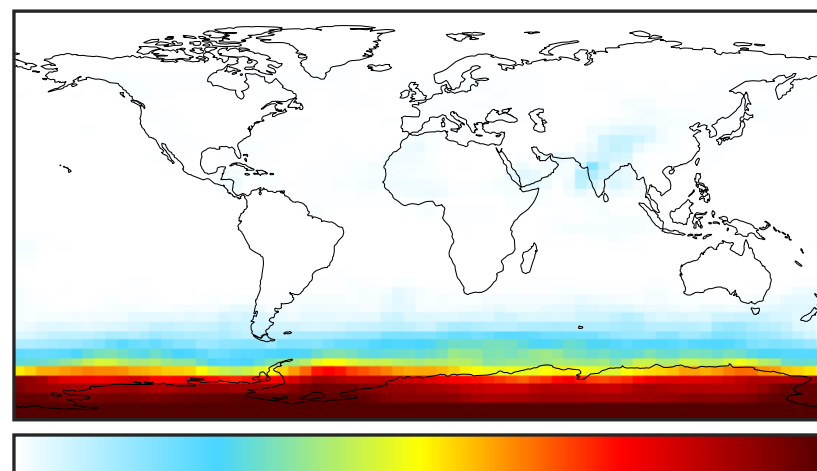
# SpeciesConcVV\_BrCl (Jul2019)

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



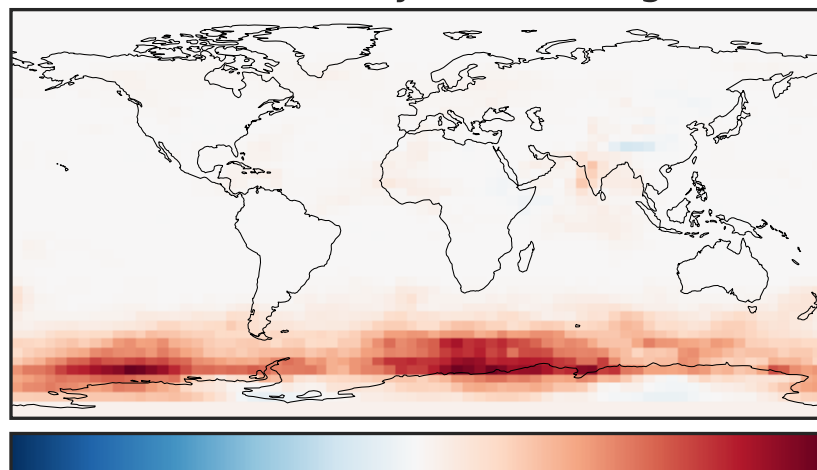
0.0008 0.0016 0.0024  
ppb

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



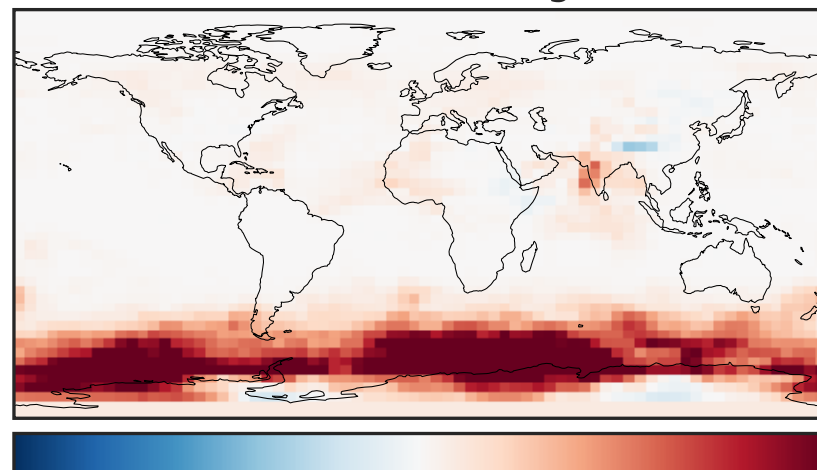
0.0008 0.0016 0.0024  
ppb

Difference  
Dev - Ref, Dynamic Range



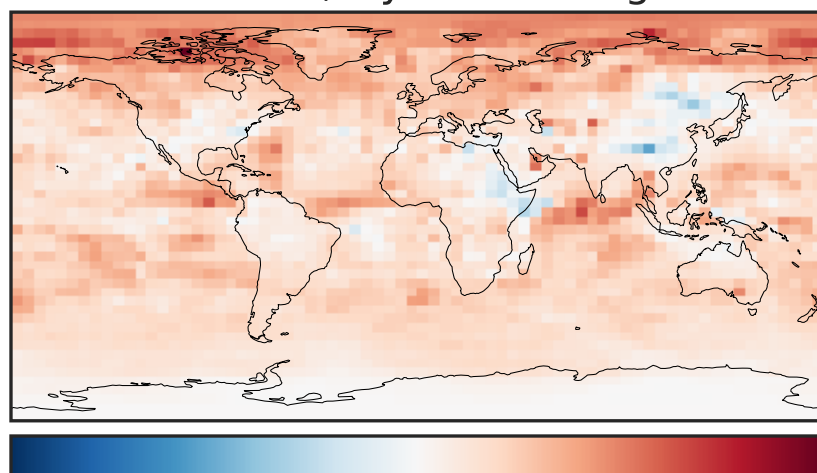
-2 0 2  
ppb  $1e-5$

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



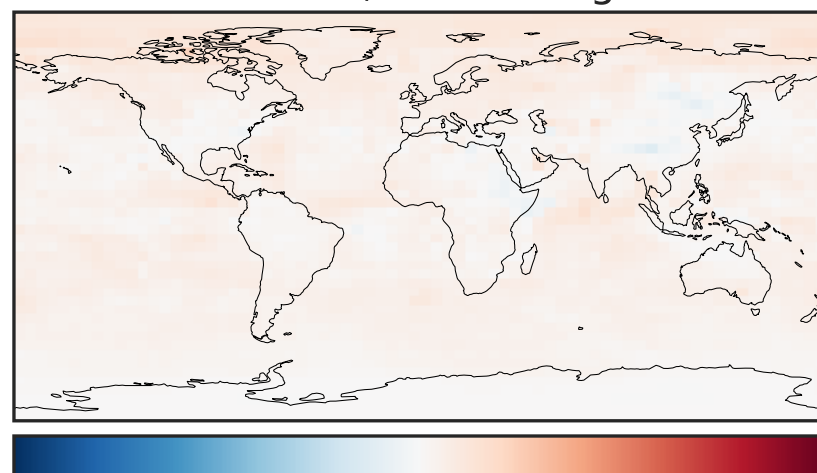
-1 0 1  
ppb  $1e-5$

Ratio  
Dev/Ref, Dynamic Range



0.8542 0.9271 1.0000 1.0854 1.1707  
unitless

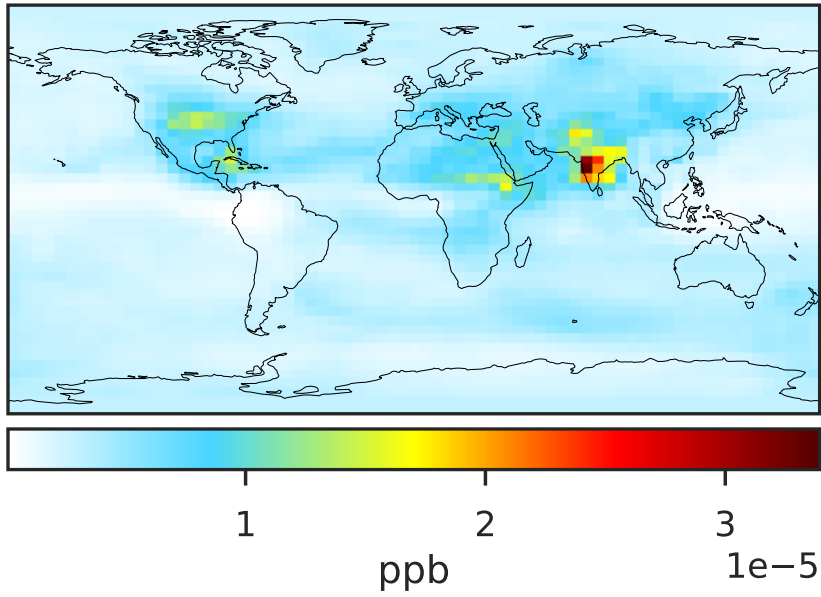
Ratio  
Dev/Ref, Fixed Range



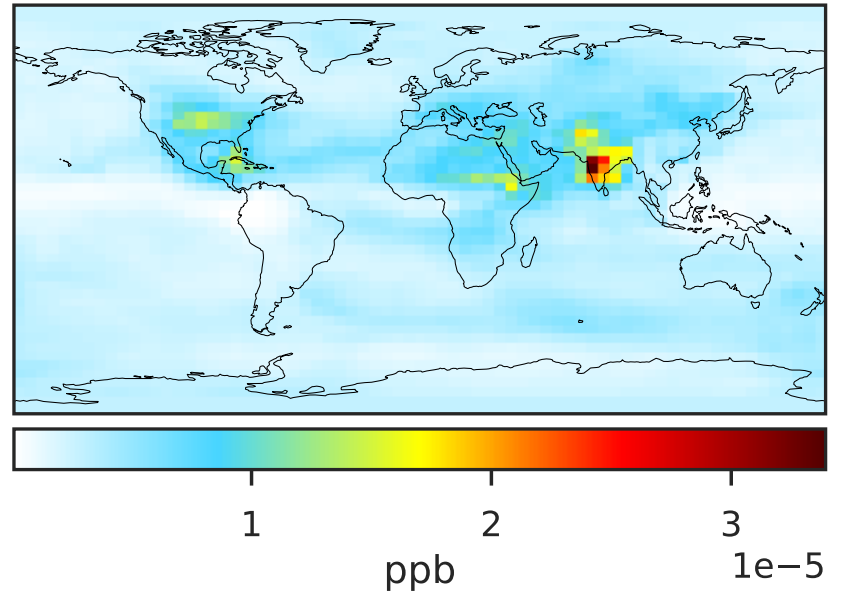
0.50 0.75 1.00 1.50 2.00  
unitless

# SpeciesConcVV\_BrNO2 (Jul2019)

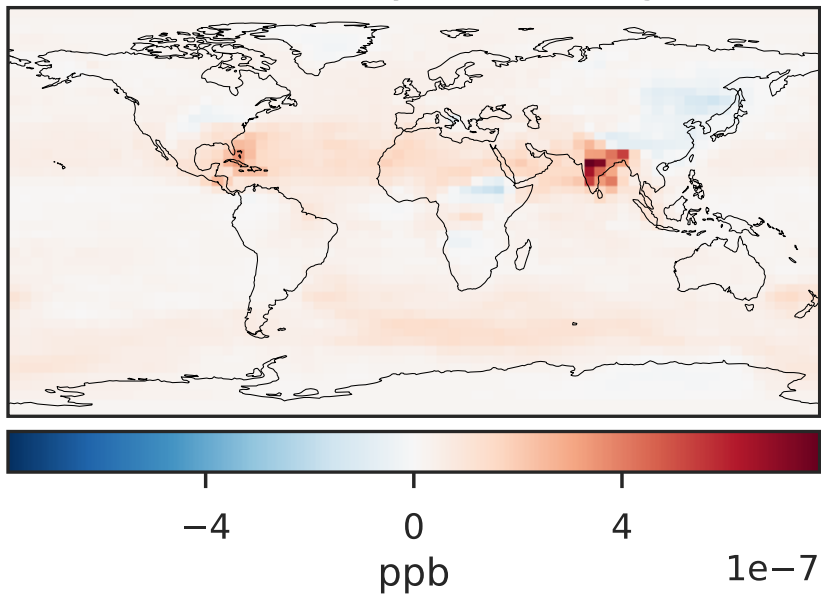
14.2.0-rc.2 (Ref)  
4.0x5.0



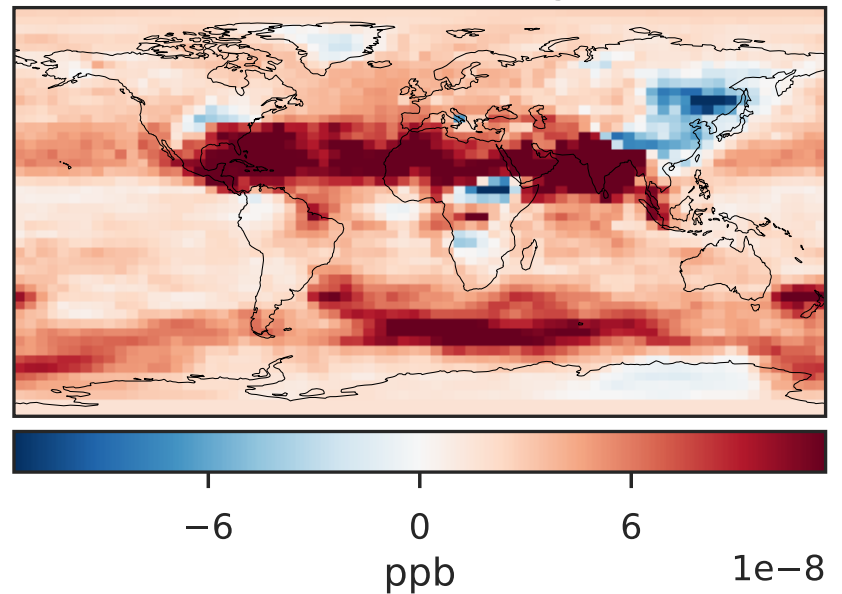
14.3.0-rc.0 (Dev)  
4.0x5.0



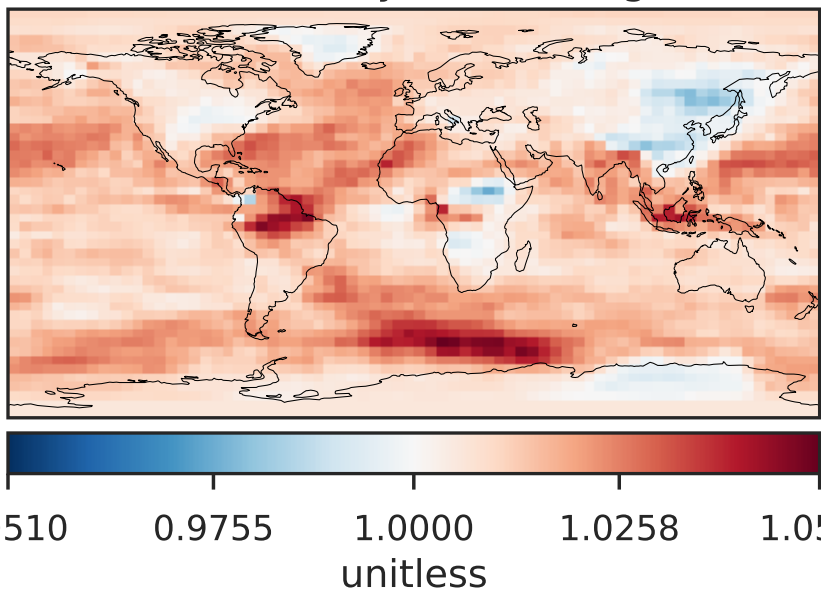
Difference  
Dev - Ref, Dynamic Range



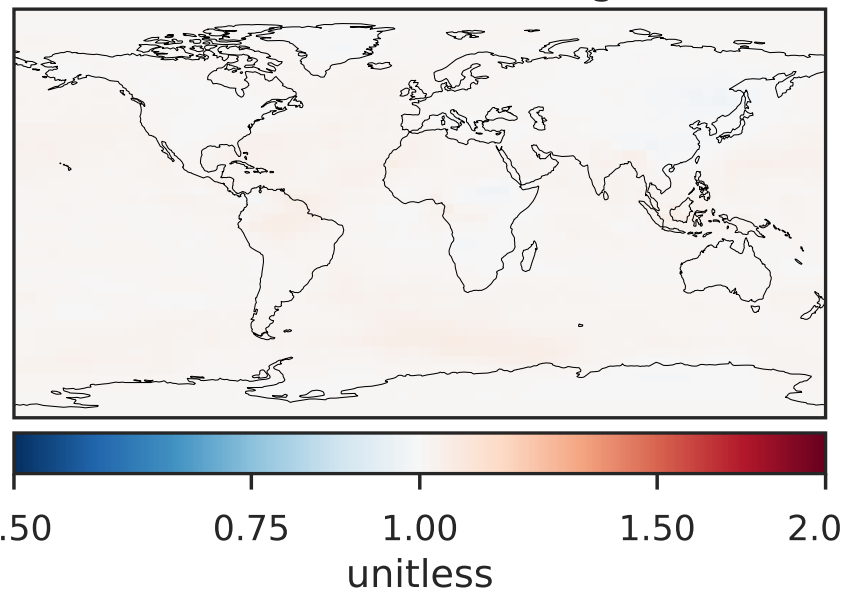
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

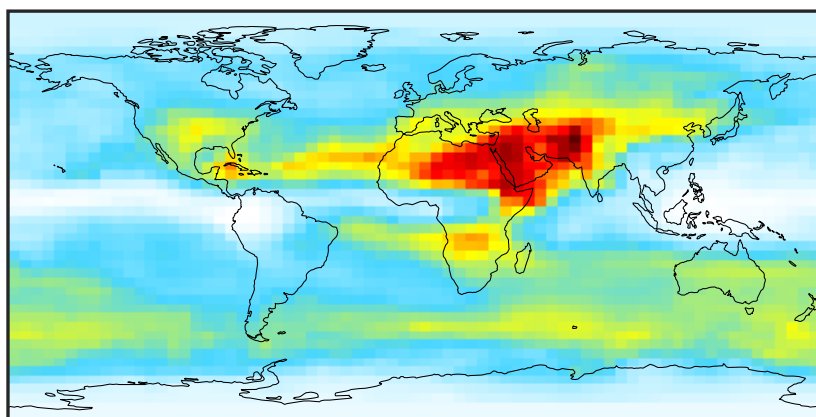


Ratio  
Dev/Ref, Fixed Range



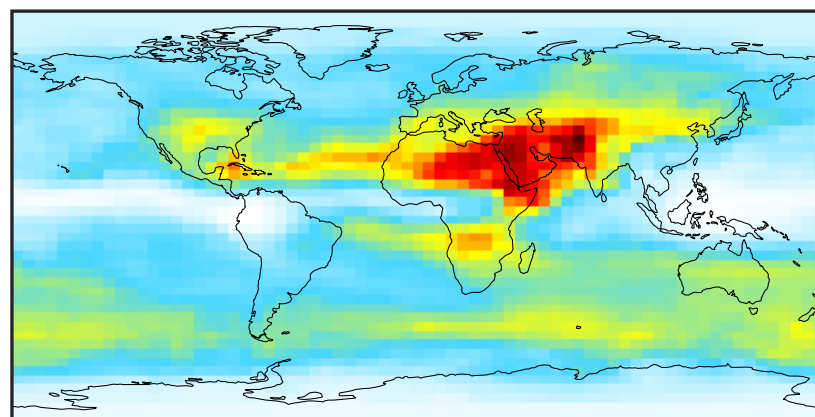
# SpeciesConcVV\_BrNO3 (Jul2019)

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



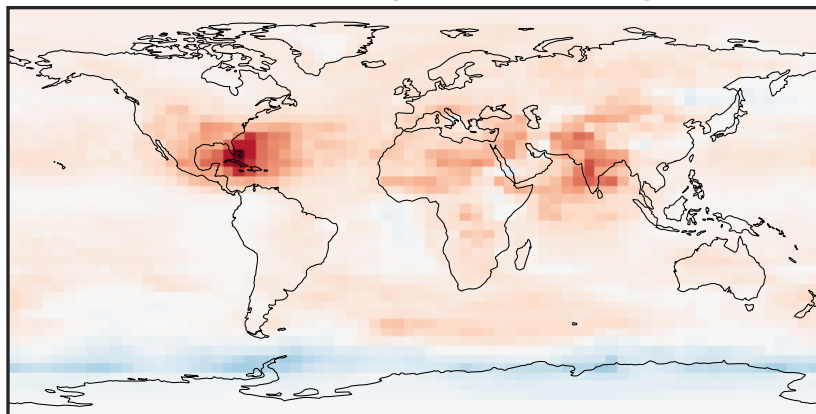
0.0005 0.0010 0.0015  
ppb

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



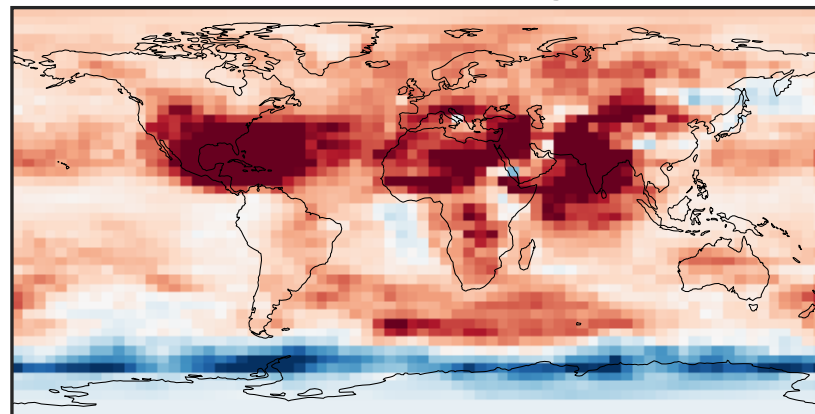
0.0005 0.0010 0.0015  
ppb

Difference  
Dev - Ref, Dynamic Range



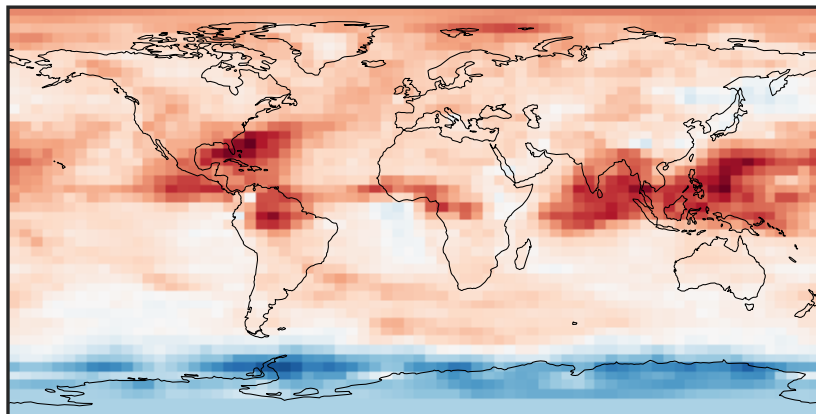
-2.5 0.0 2.5  
ppb  $1e-5$

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



-8 0 8  
ppb  $1e-6$

Ratio  
Dev/Ref, Dynamic Range



0.9494 0.9747 1.000 1.0266 1.0533  
unitless

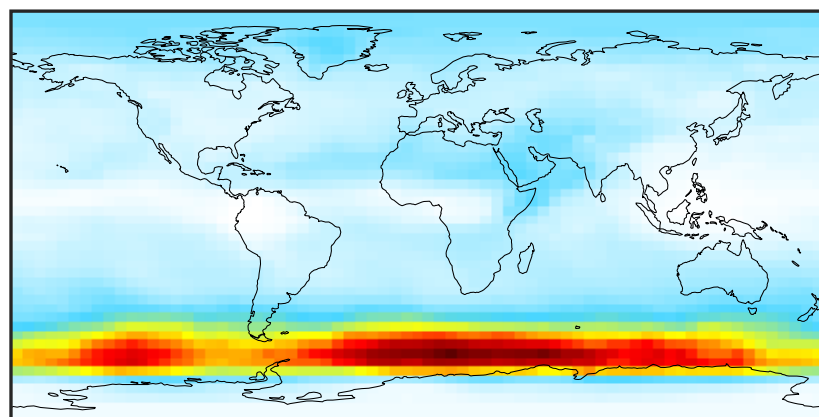
Ratio  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

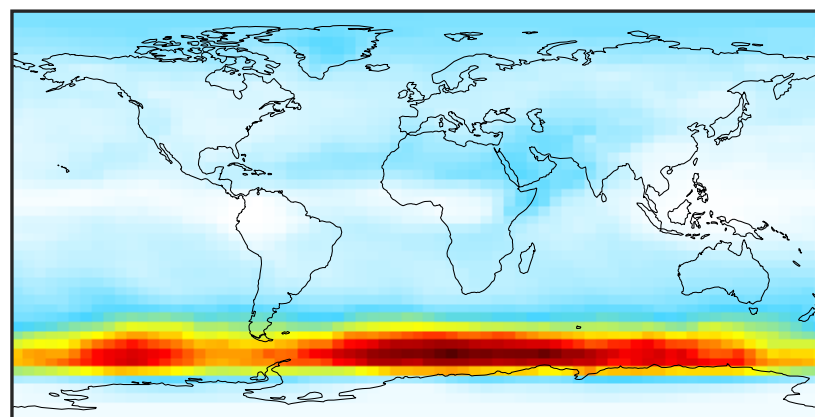
# SpeciesConcVV\_BrO (Jul2019)

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



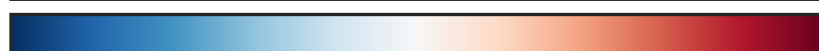
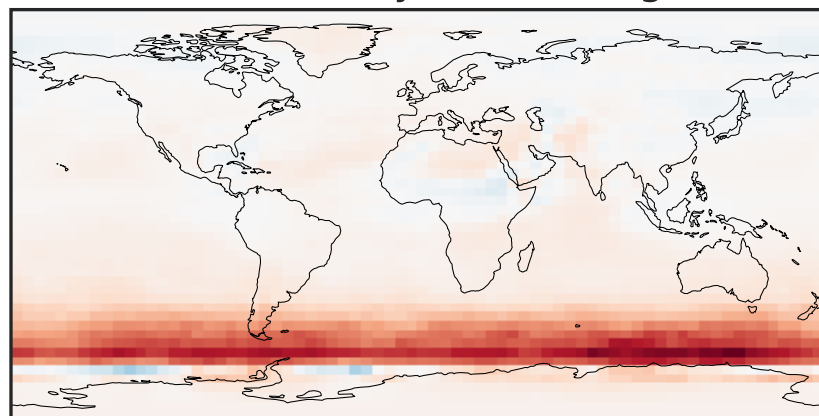
0.0006 0.0012 0.0018  
ppb

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



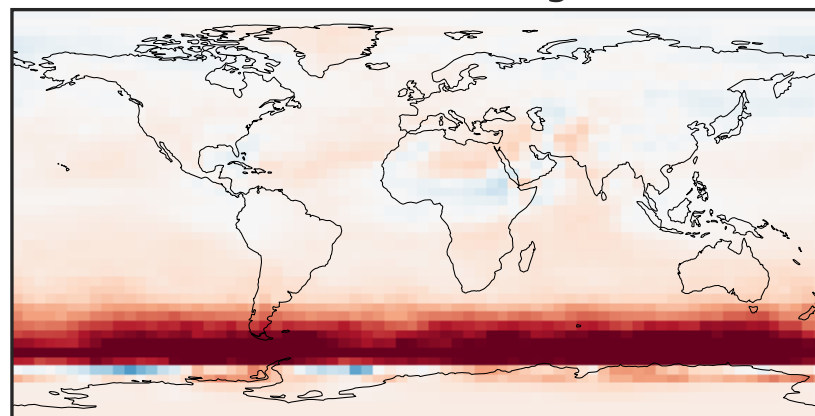
0.0006 0.0012 0.0018  
ppb

Difference  
Dev - Ref, Dynamic Range



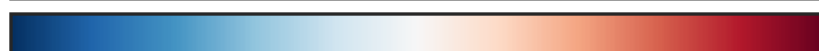
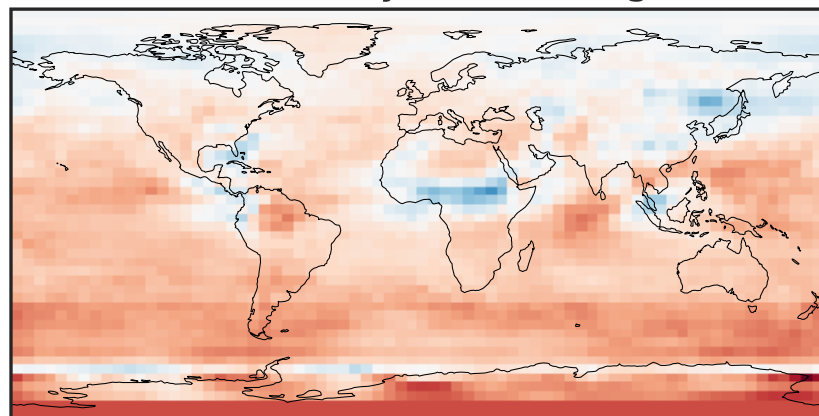
-2.5 0.0 2.5  
ppb  $1e-5$

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



-1.5 0.0 1.5  
ppb  $1e-5$

Ratio  
Dev/Ref, Dynamic Range



0.95172 0.97586 1.00000 1.02537 1.05073  
unitless

Ratio  
Dev/Ref, Fixed Range

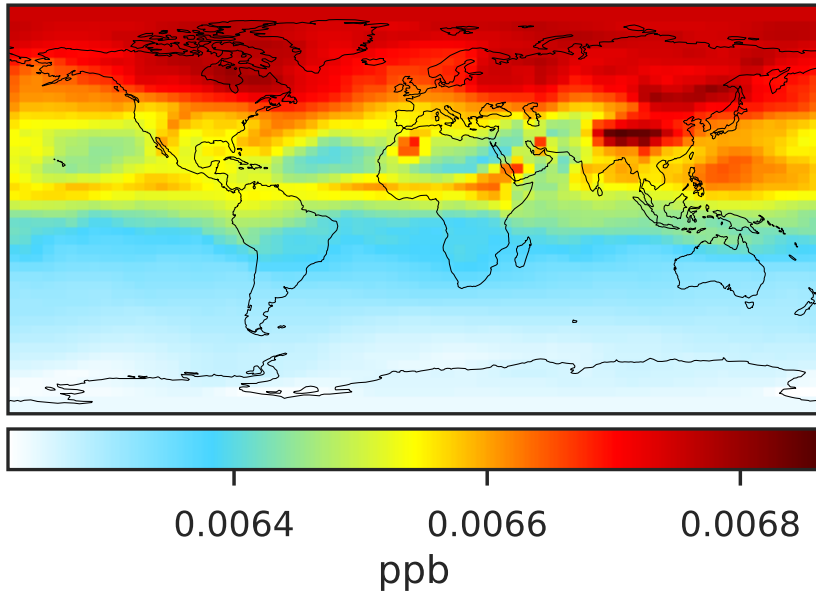


0.50 0.75 1.00 1.50 2.00  
unitless

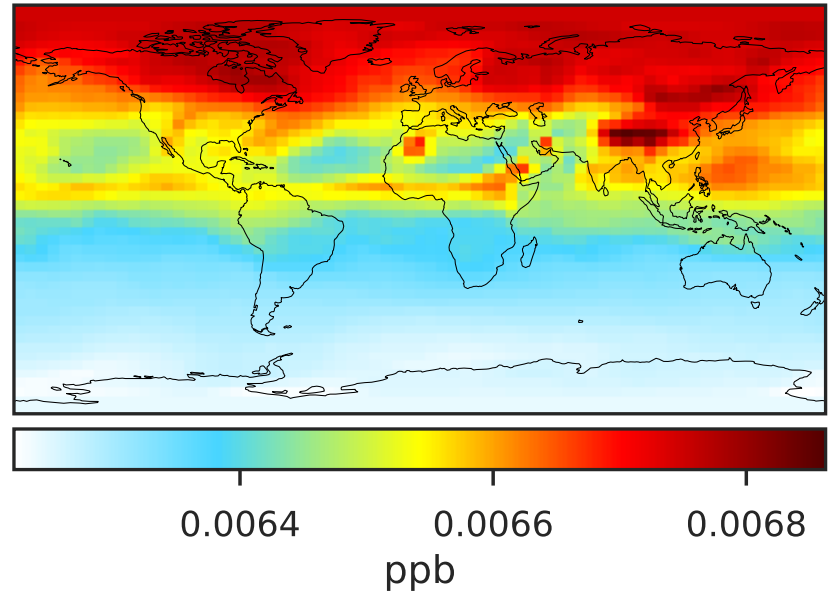


# SpeciesConcVV\_CH3Br (Jul2019)

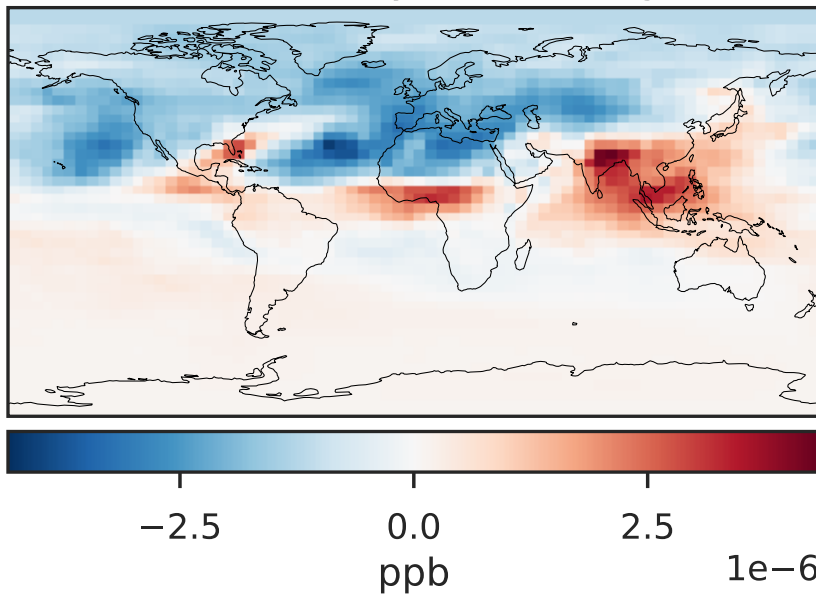
14.2.0-rc.2 (Ref)  
4.0x5.0



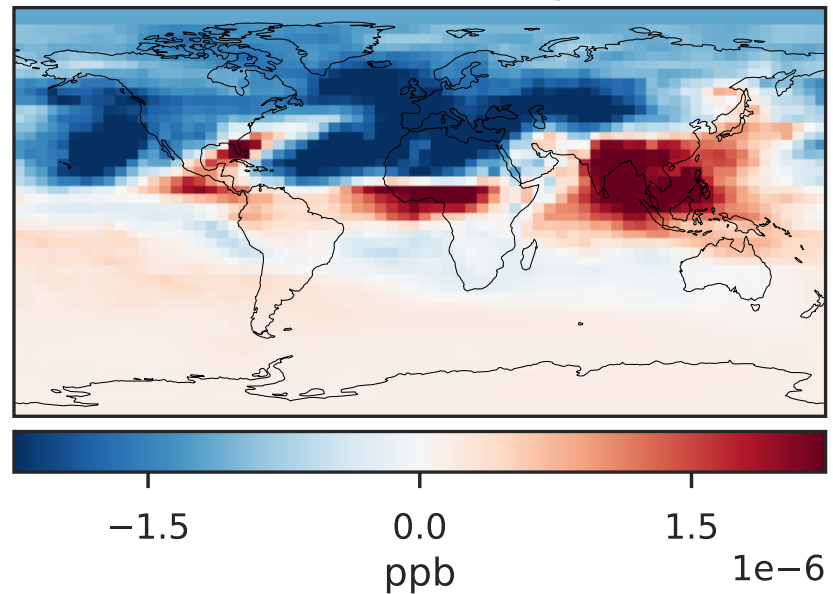
14.3.0-rc.0 (Dev)  
4.0x5.0



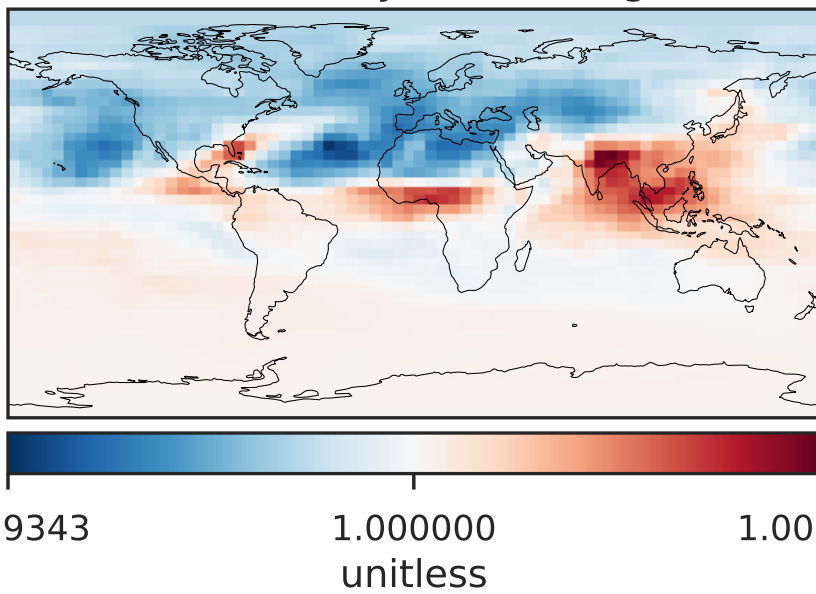
Difference  
Dev - Ref, Dynamic Range



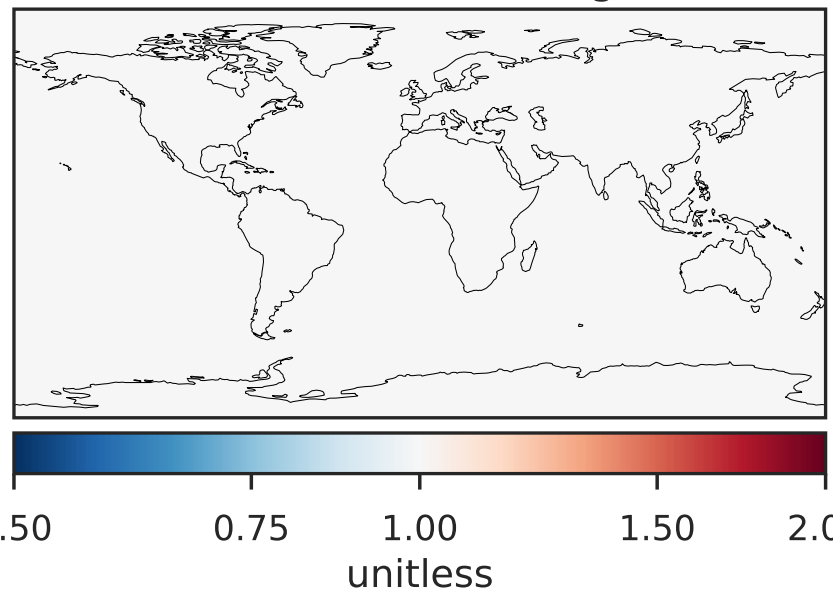
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



Ratio  
Dev/Ref, Fixed Range



0.999343

1.000000

1.000657

0.50

0.75

1.00

1.50

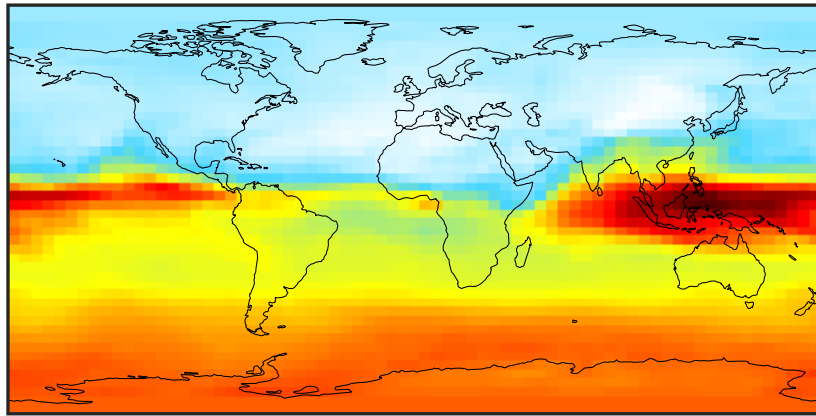
2.00

unitless

unitless

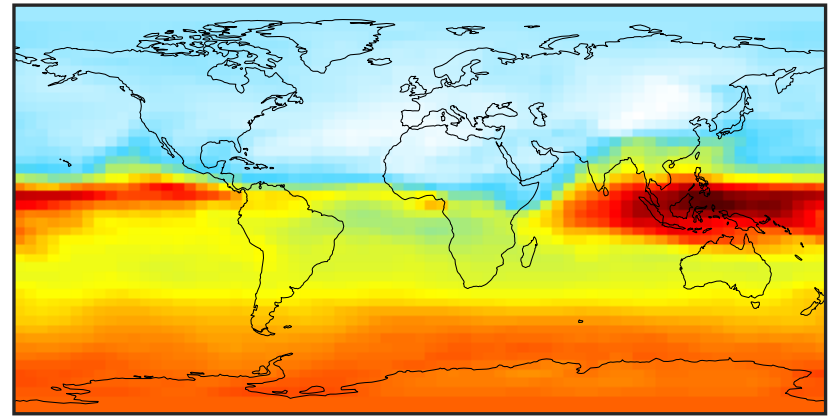
# SpeciesConcVV\_CH2Br2 (Jul2019)

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



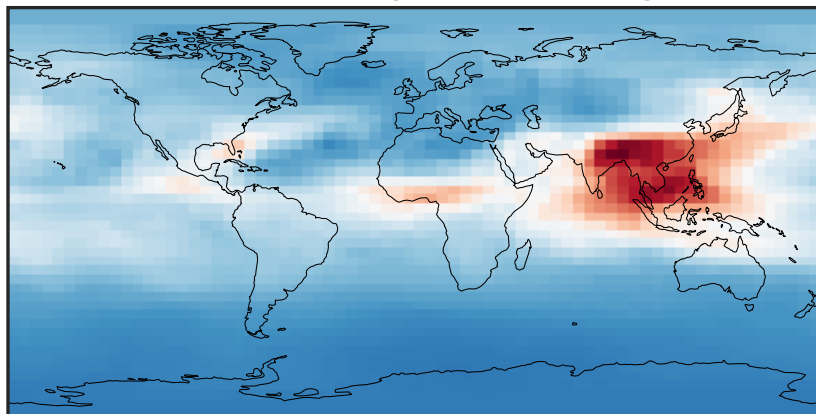
0.00045 0.00060 0.00075  
ppb

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



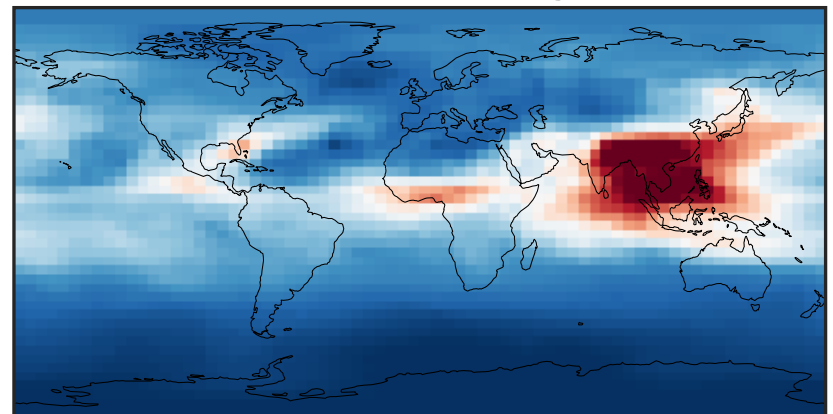
0.00045 0.00060 0.00075  
ppb

Difference  
Dev - Ref, Dynamic Range



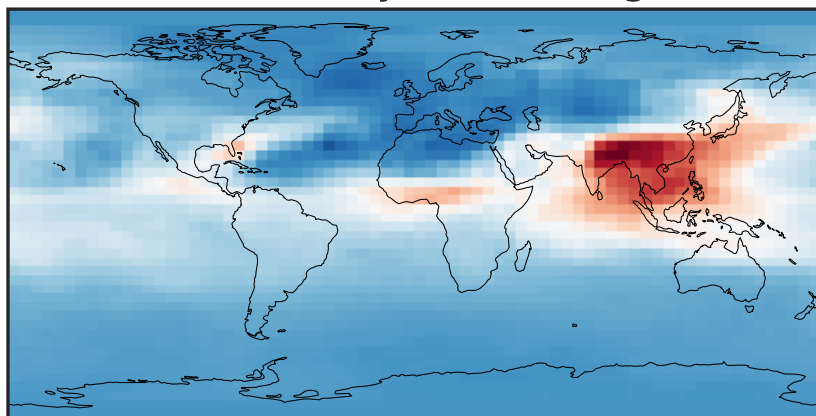
-2 0 2  
ppb  $1e-6$

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



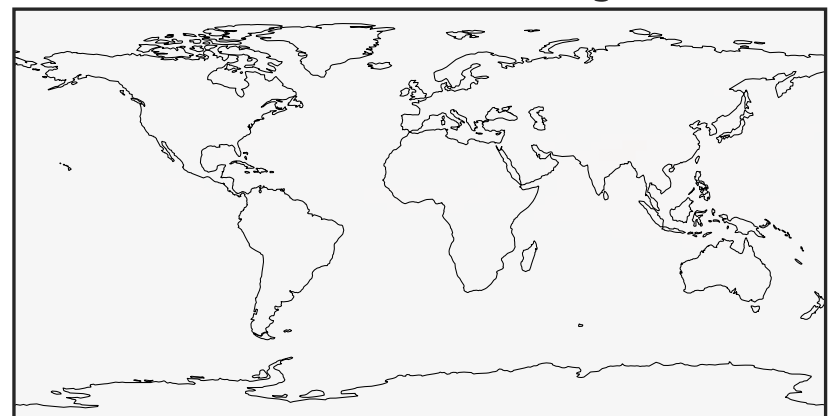
-1.5 0.0 1.5  
ppb  $1e-6$

Ratio  
Dev/Ref, Dynamic Range



0.99415 0.99708 1.00000 1.00294 1.00588  
unitless

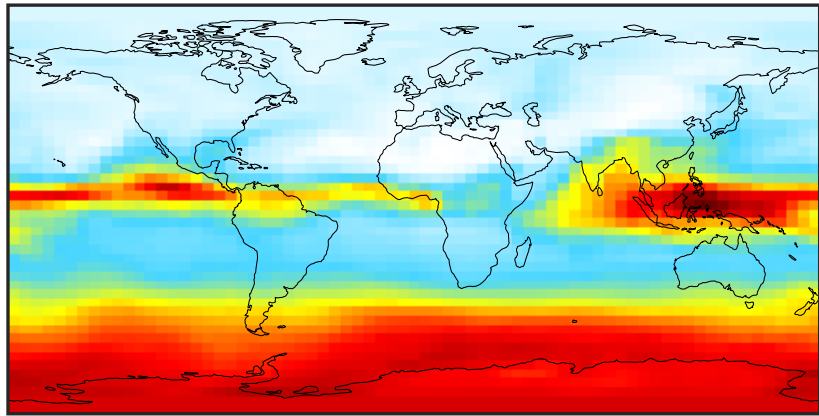
Ratio  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

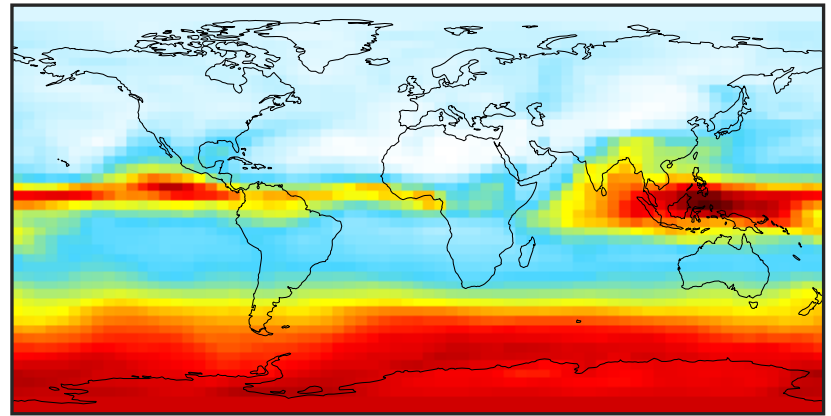
# SpeciesConcVV\_CHBr3 (Jul2019)

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



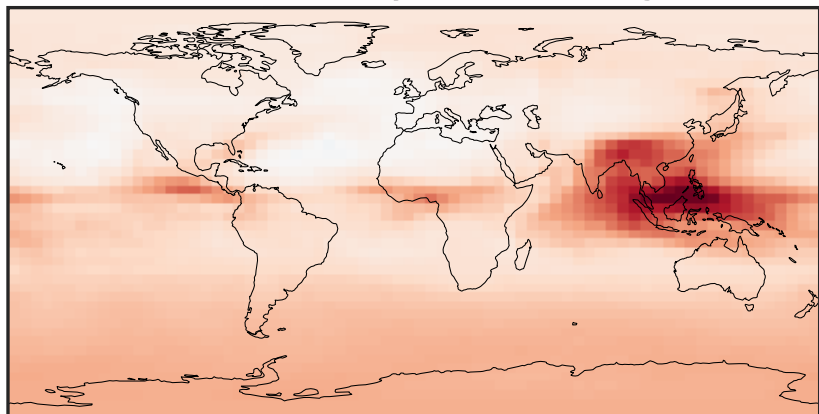
0.0003 0.0006 0.0009 0.0012  
ppb

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



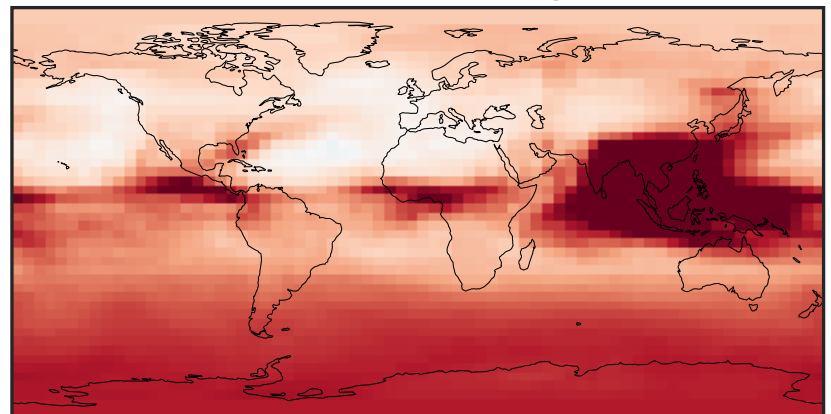
0.0003 0.0006 0.0009 0.0012  
ppb

Difference  
Dev - Ref, Dynamic Range



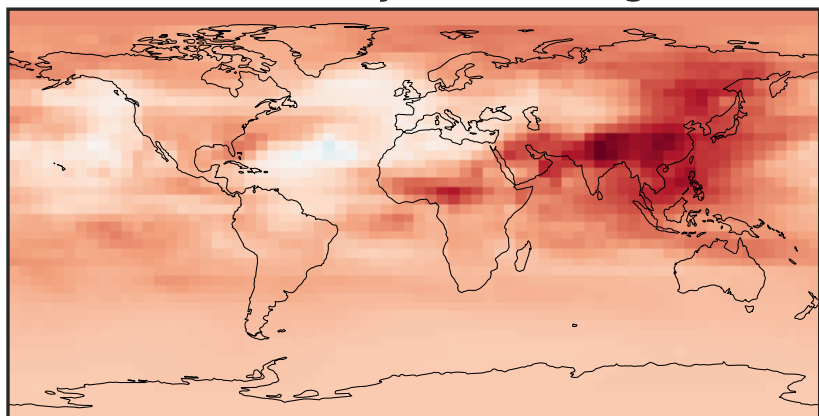
-1.5 0.0 1.5  
ppb  $1e-5$

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



-6 0 6  
ppb  $1e-6$

Ratio  
Dev/Ref, Dynamic Range



0.96578 0.98289 1.00000 1.01772 1.03543  
unitless

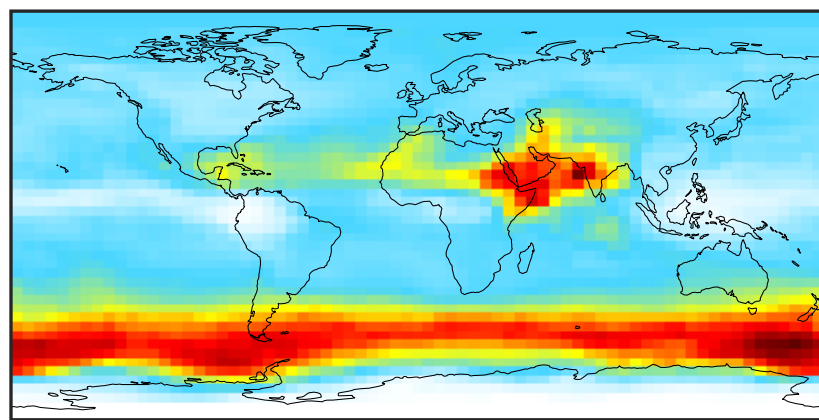
Ratio  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

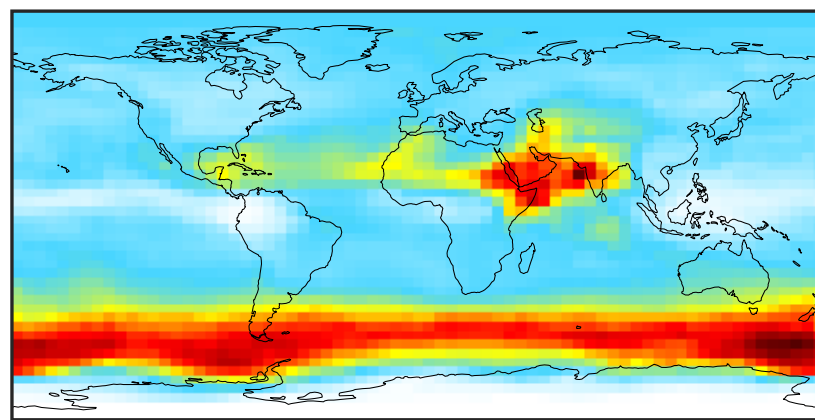
# SpeciesConcVV\_HOBr (Jul2019)

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



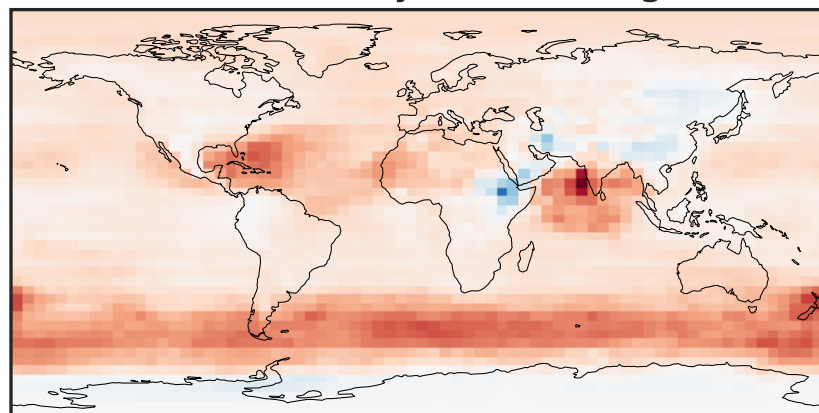
0.0006 0.0012 0.0018  
ppb

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



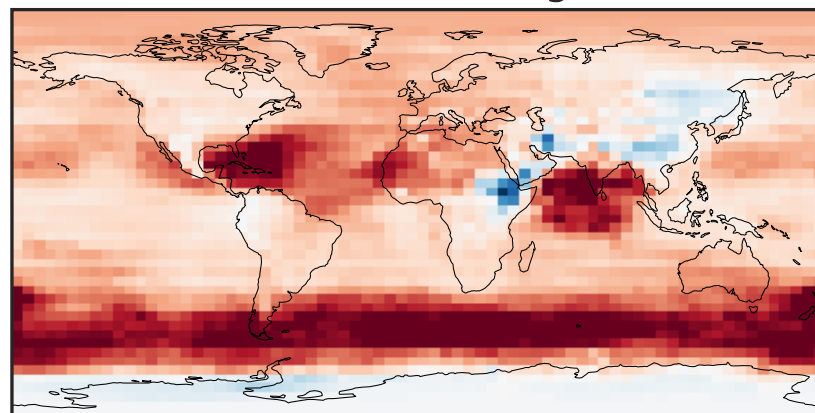
0.0006 0.0012 0.0018  
ppb

Difference  
Dev - Ref, Dynamic Range



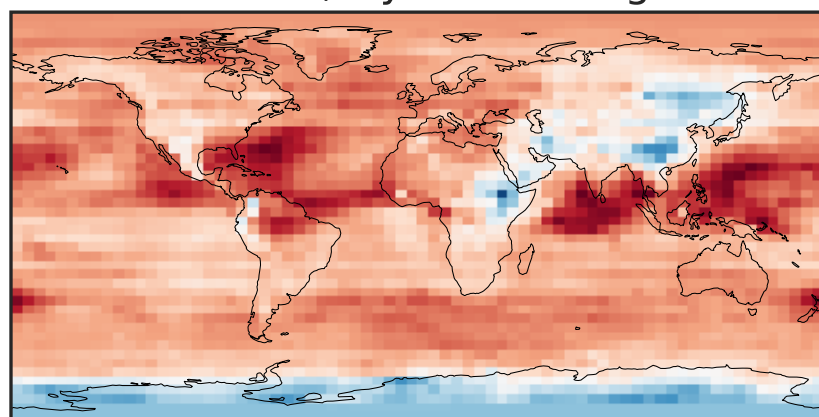
-3 0 3  
ppb  $1e-5$

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



-1.5 0.0 1.5  
ppb  $1e-5$

Ratio  
Dev/Ref, Dynamic Range



0.95532 0.97766 1.00000 1.02339 1.04677  
unitless

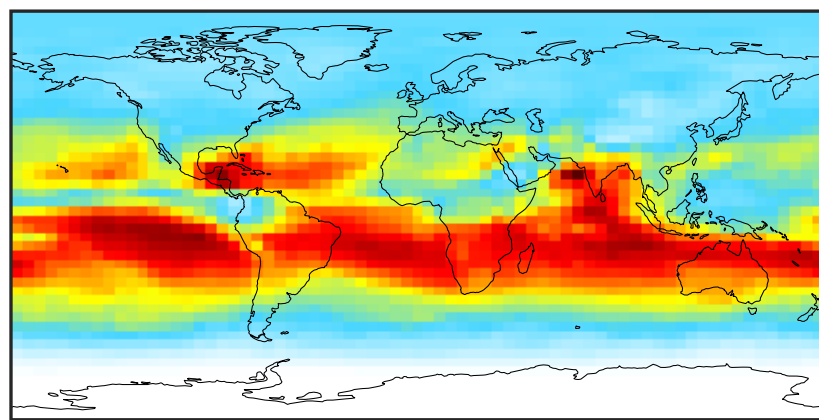
Ratio  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

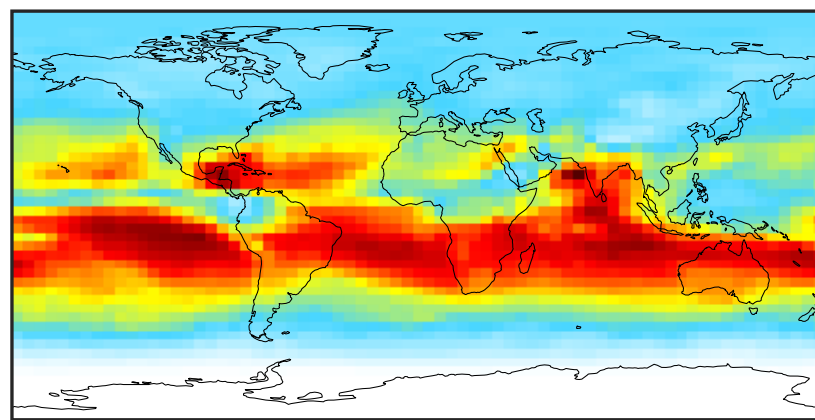
# SpeciesConcVV\_HBr (Jul2019)

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



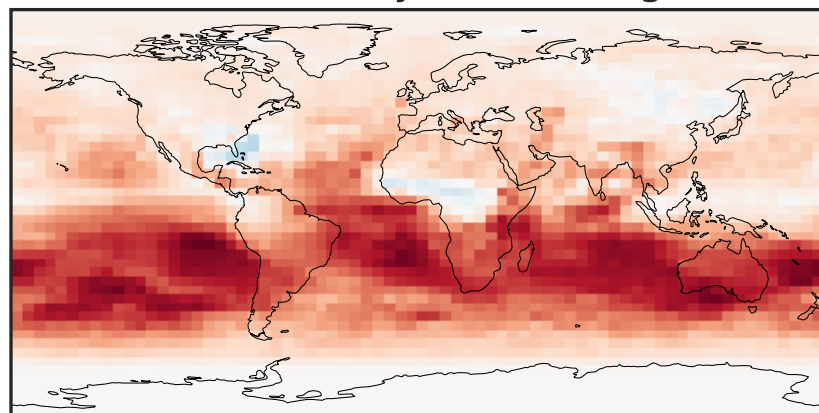
0.0005 0.0010 0.0015  
ppb

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



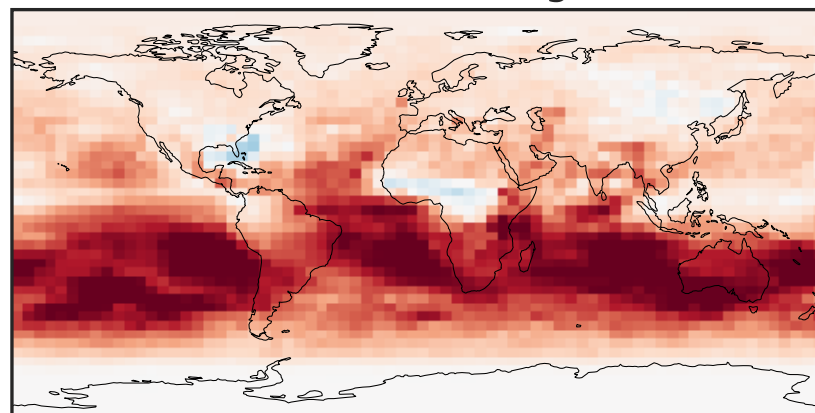
0.0005 0.0010 0.0015  
ppb

Difference  
Dev - Ref, Dynamic Range



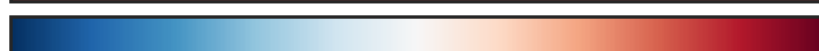
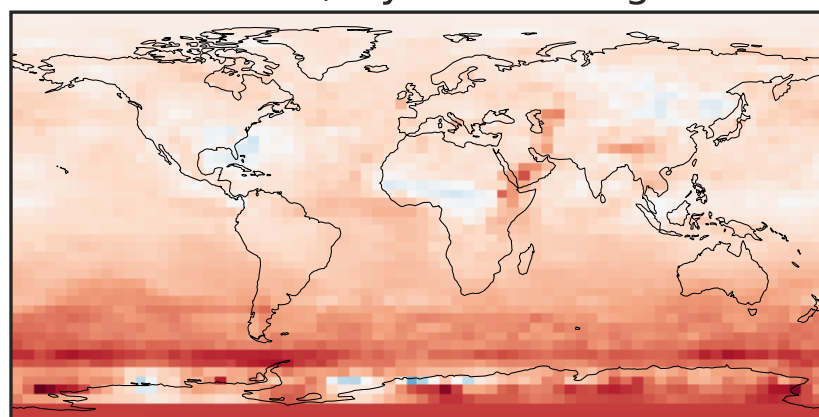
-2 0 2  
ppb  $1e-5$

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



-1.5 0.0 1.5  
ppb  $1e-5$

Ratio  
Dev/Ref, Dynamic Range



0.9304 0.9652 1.0000 1.0374 1.0747  
unitless

Ratio  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless