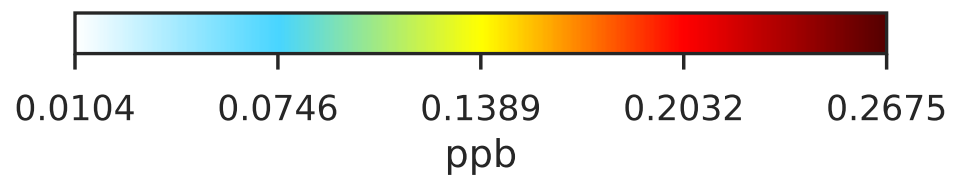
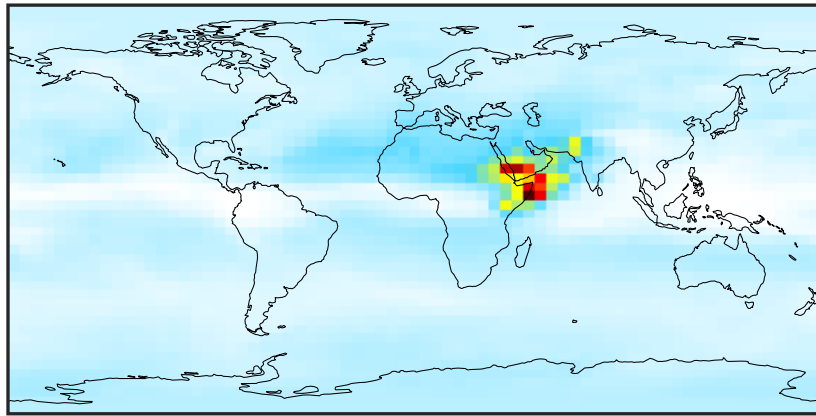
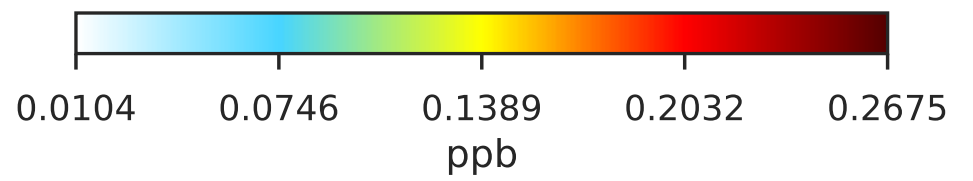
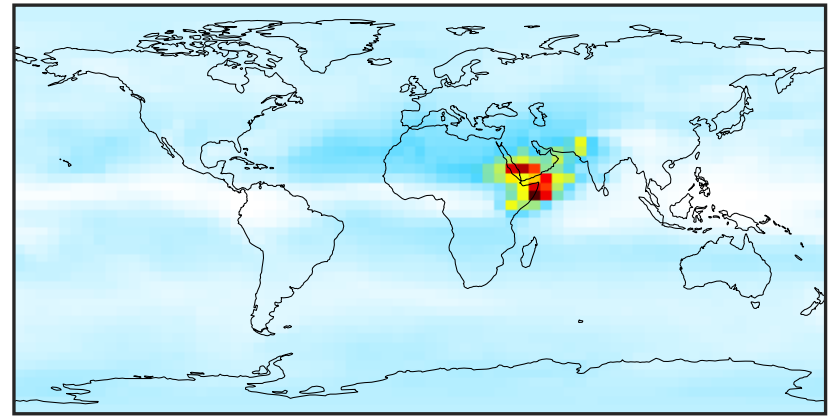


# SpeciesConcVV\_Cly (Jul2019)

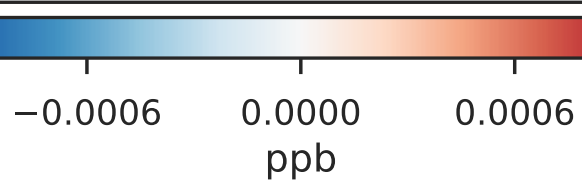
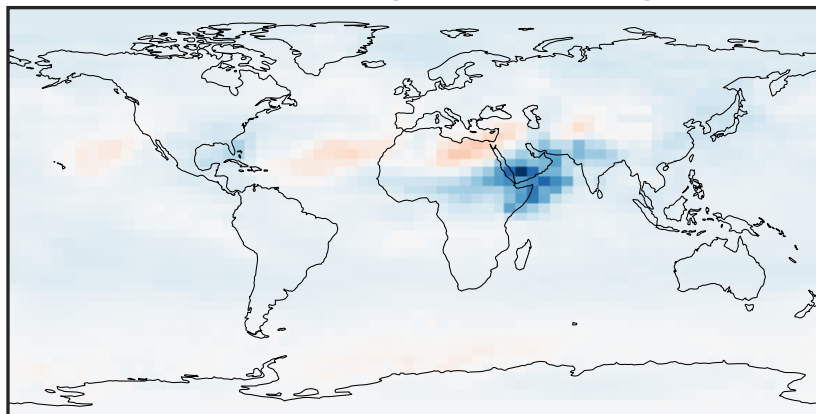
14.2.0-rc.2 (Ref)  
4.0x5.0



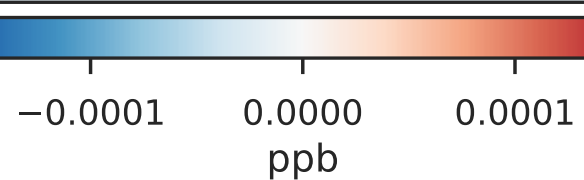
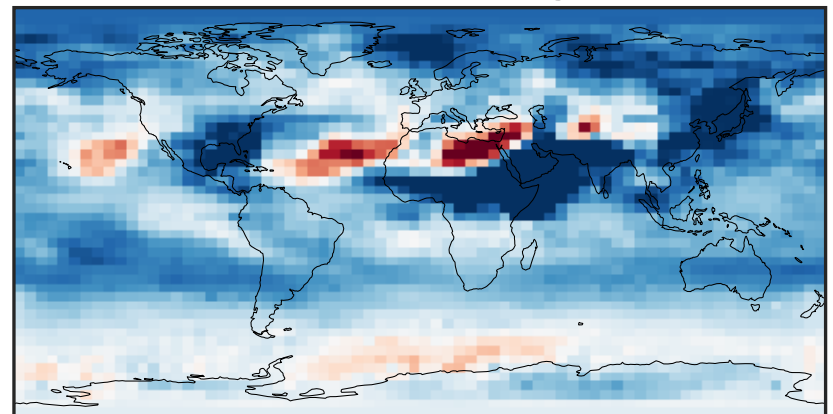
14.3.0-rc.0 (Dev)  
4.0x5.0



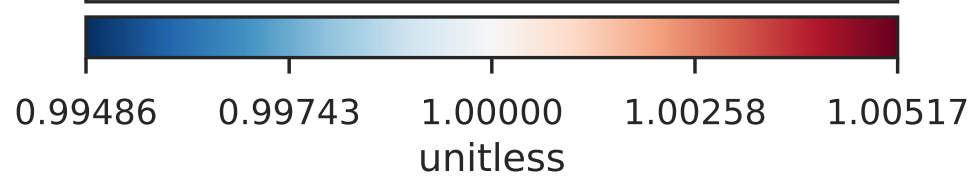
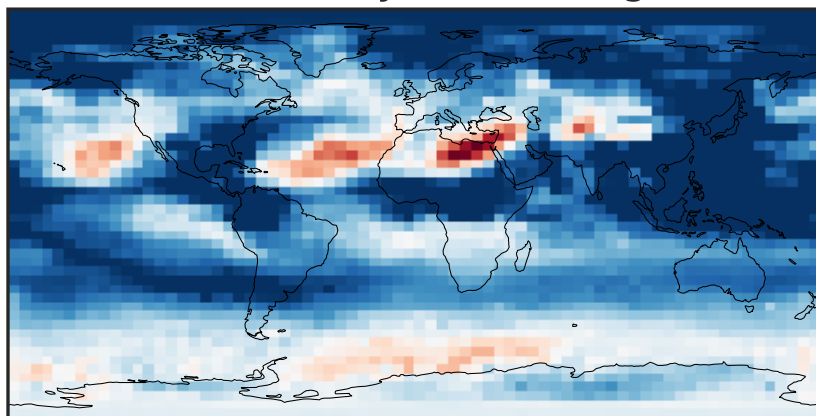
Difference  
Dev - Ref, Dynamic Range



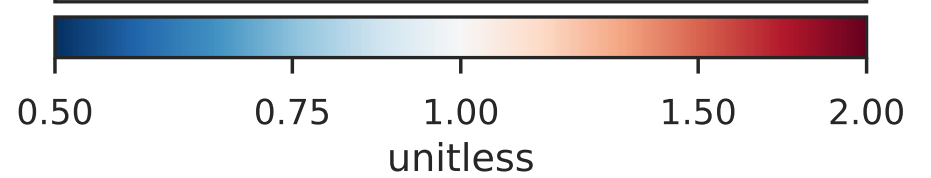
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

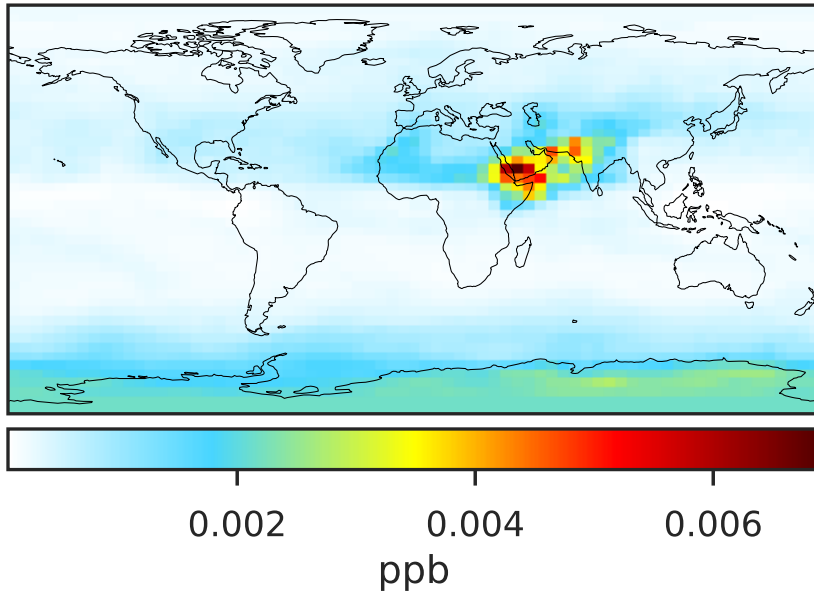


Ratio  
Dev/Ref, Fixed Range

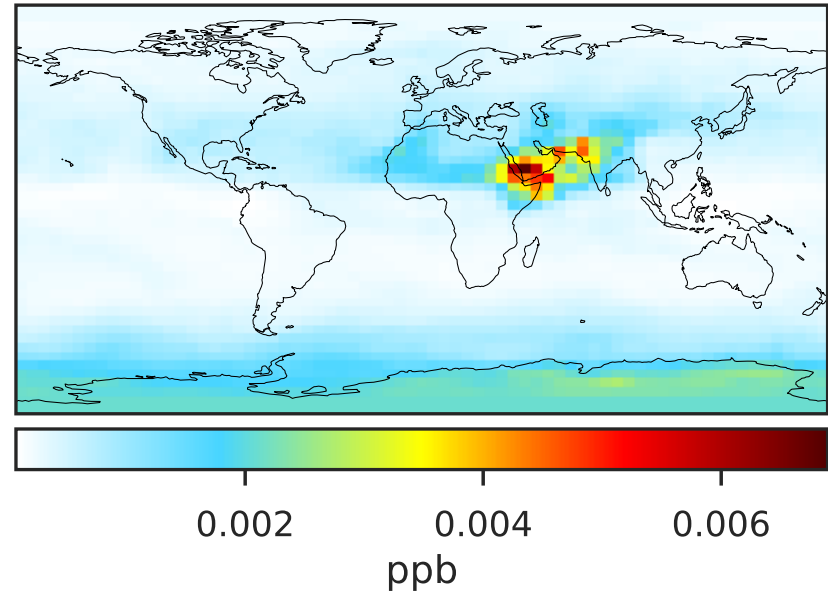


# SpeciesConcVV\_ClOx (Jul2019)

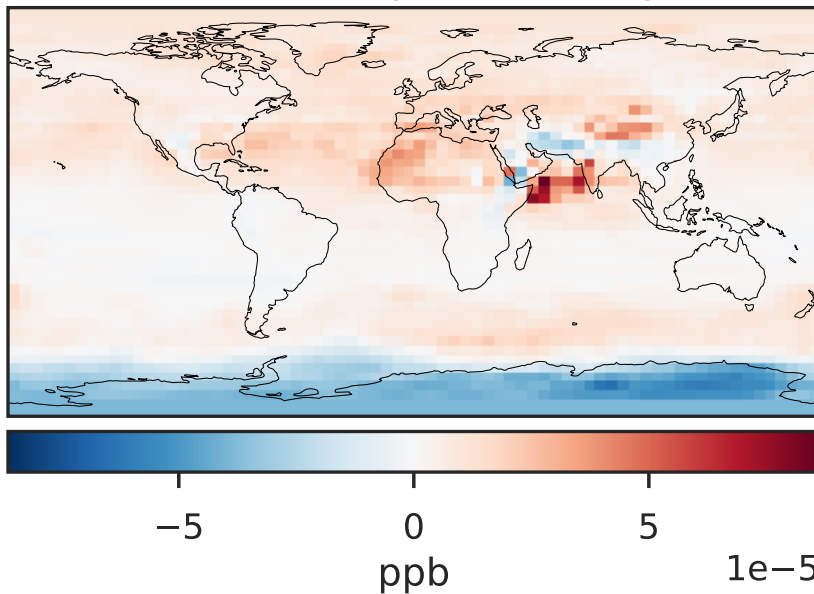
14.2.0-rc.2 (Ref)  
4.0x5.0



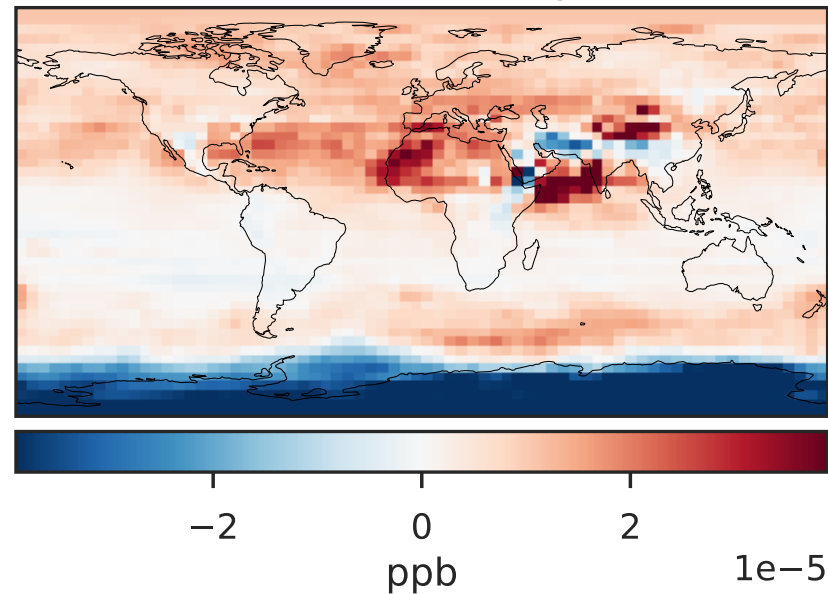
14.3.0-rc.0 (Dev)  
4.0x5.0



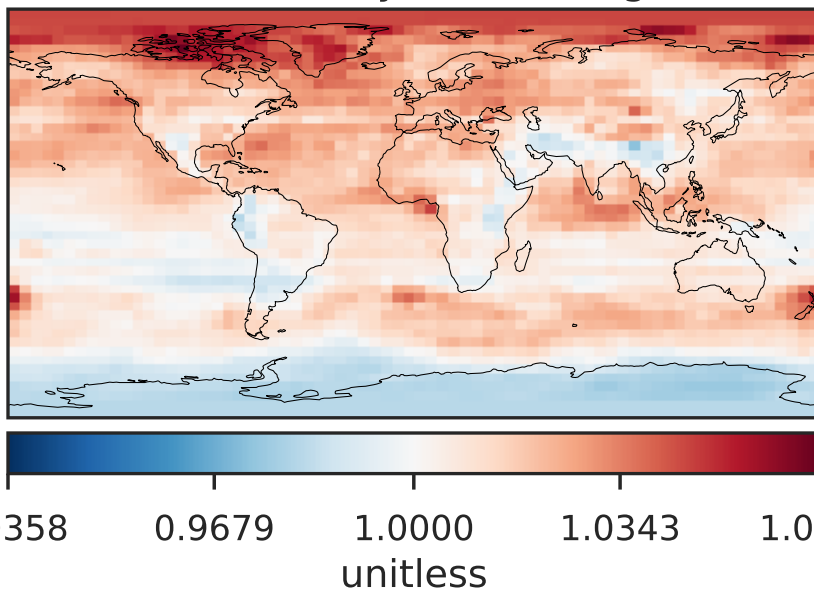
Difference  
Dev - Ref, Dynamic Range



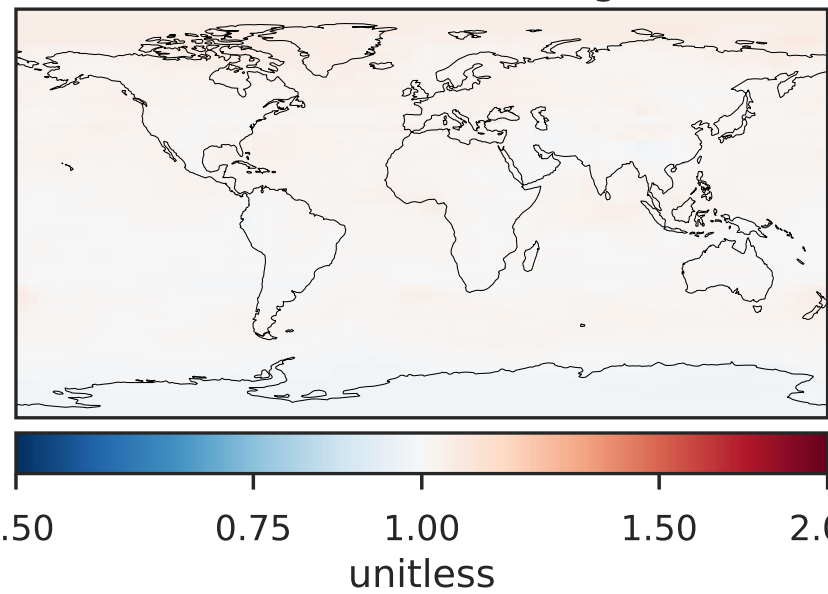
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

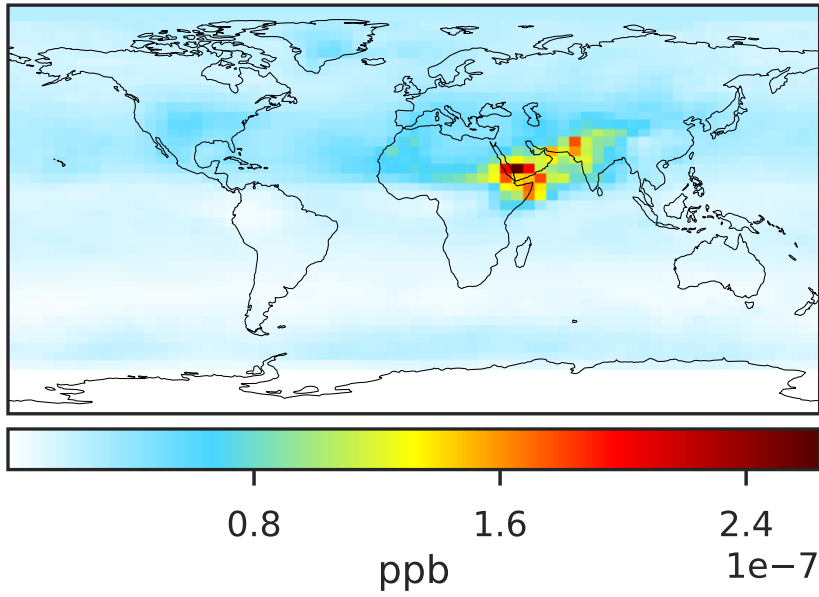


Ratio  
Dev/Ref, Fixed Range

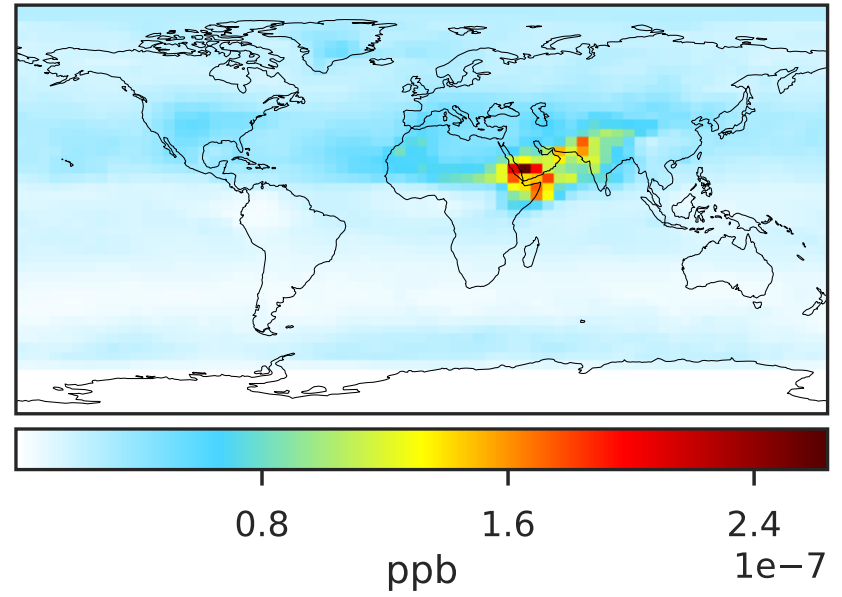


# SpeciesConcVV\_CI (Jul2019)

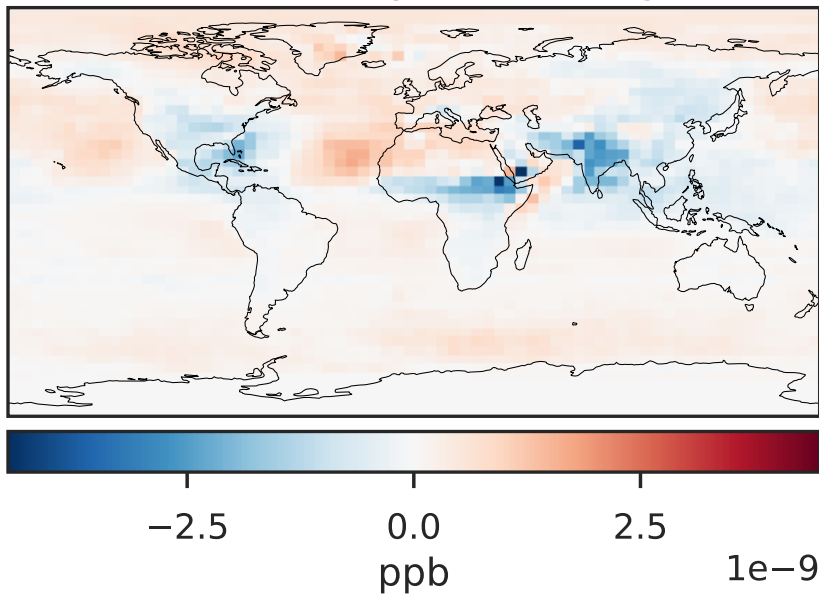
14.2.0-rc.2 (Ref)  
4.0x5.0



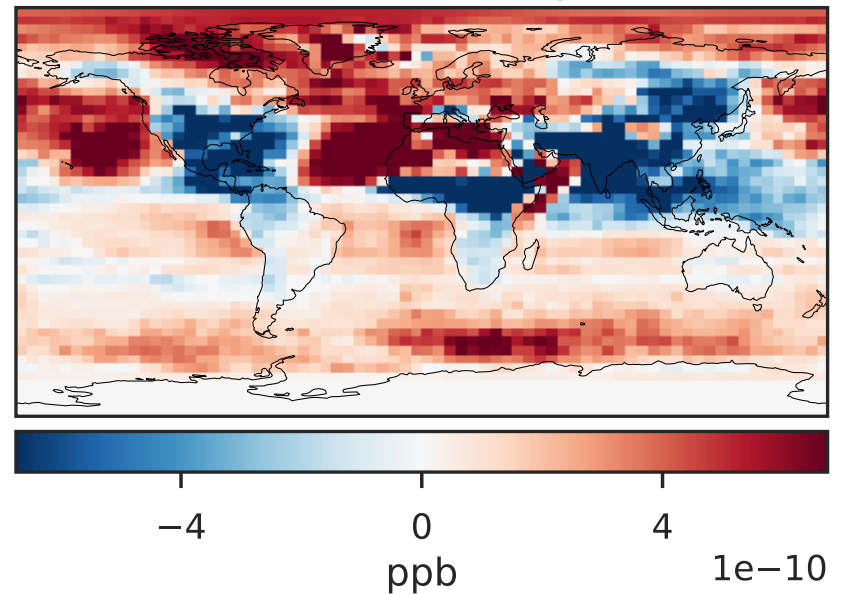
14.3.0-rc.0 (Dev)  
4.0x5.0



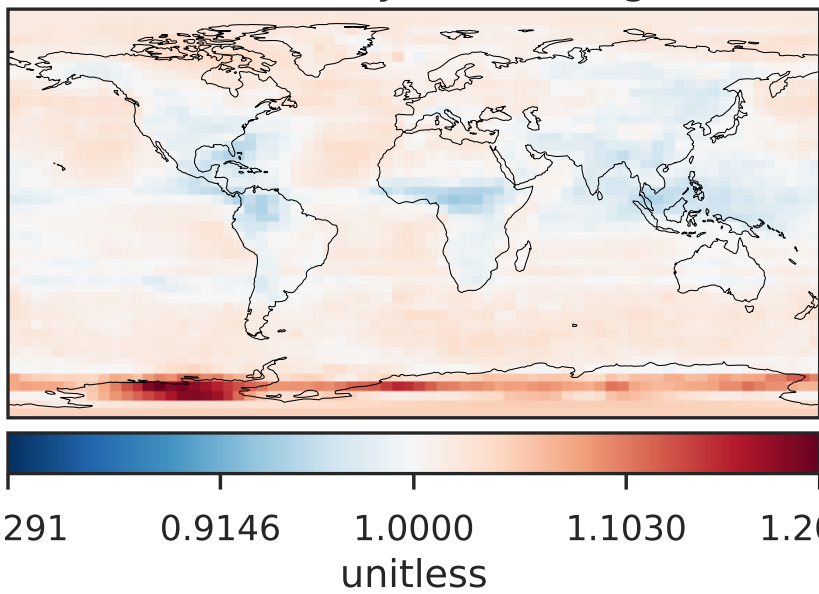
Difference  
Dev - Ref, Dynamic Range



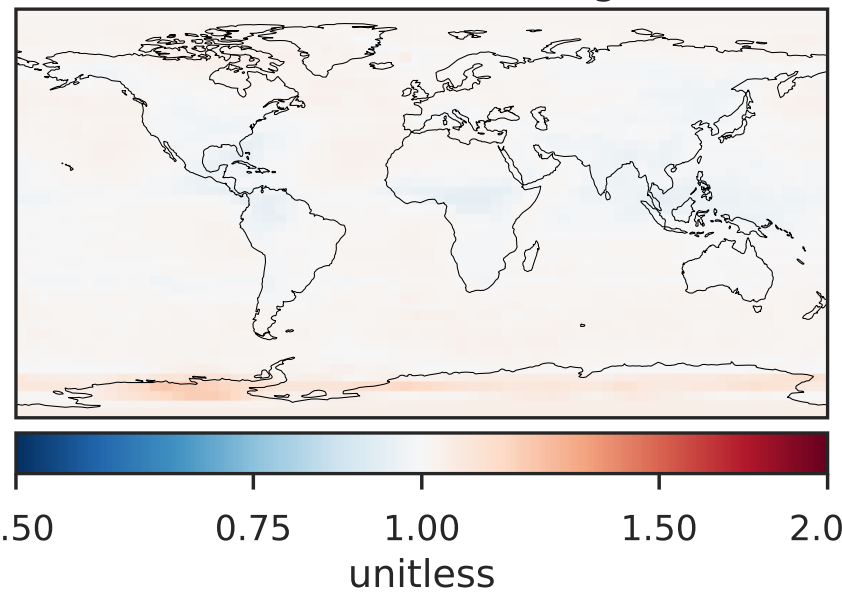
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

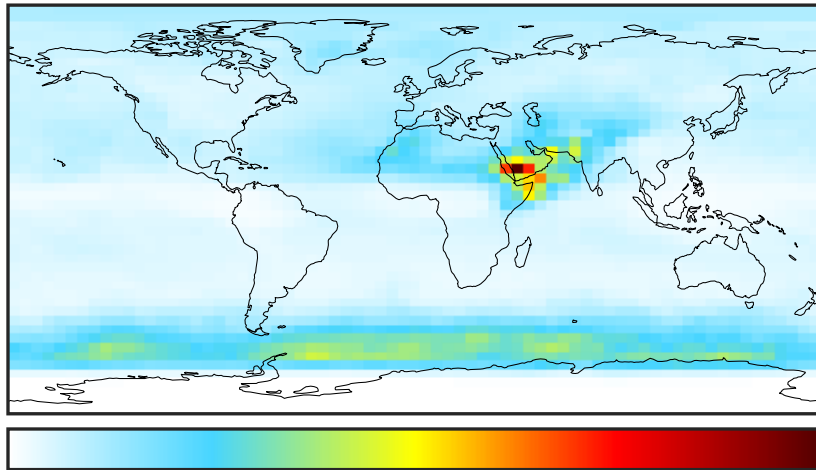


Ratio  
Dev/Ref, Fixed Range



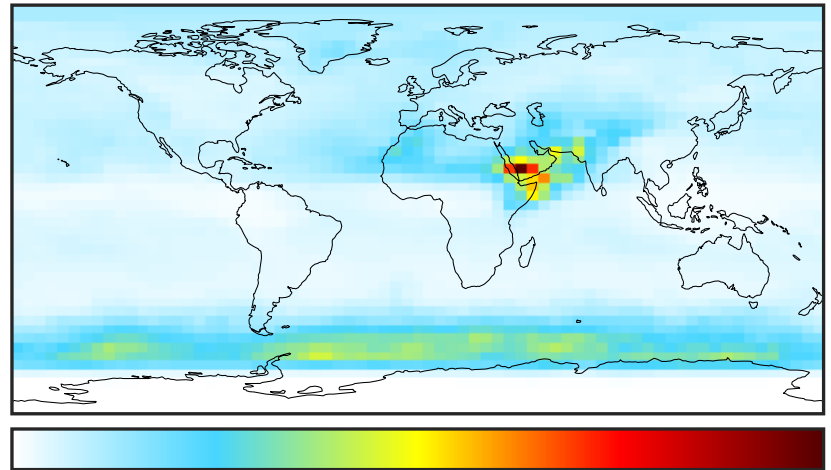
# SpeciesConcVW\_CIO (Jul2019)

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



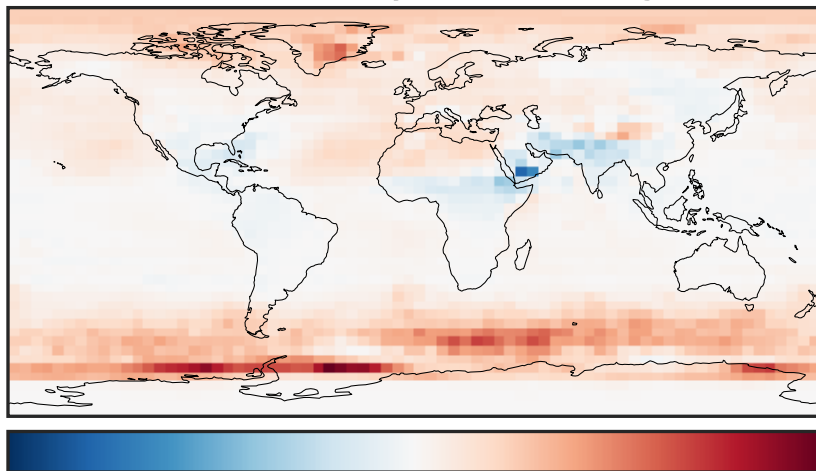
0.00015      0.00030  
ppb

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



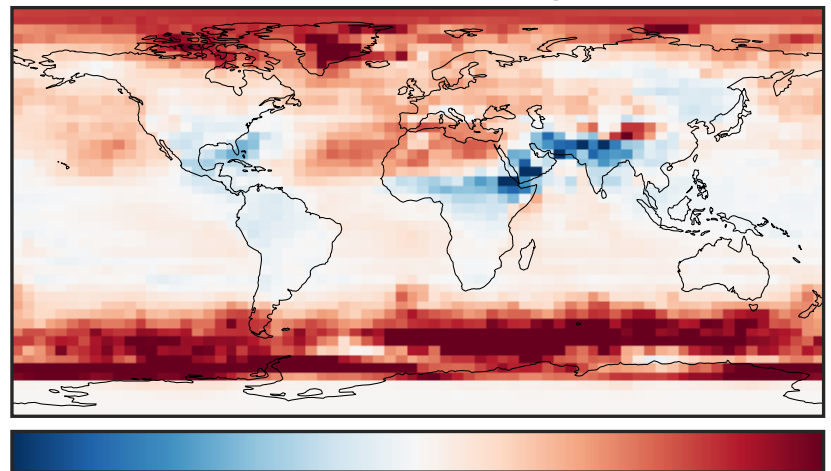
0.00015      0.00030  
ppb

Difference  
Dev - Ref, Dynamic Range



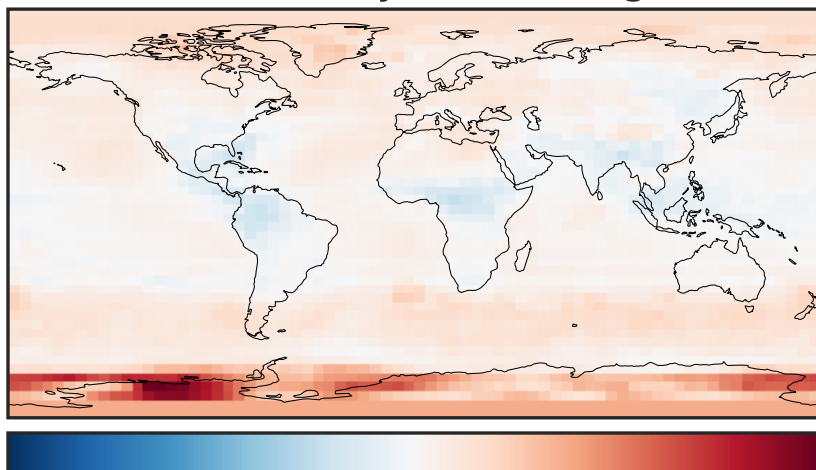
-3      0      3  
ppb       $1e-6$

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



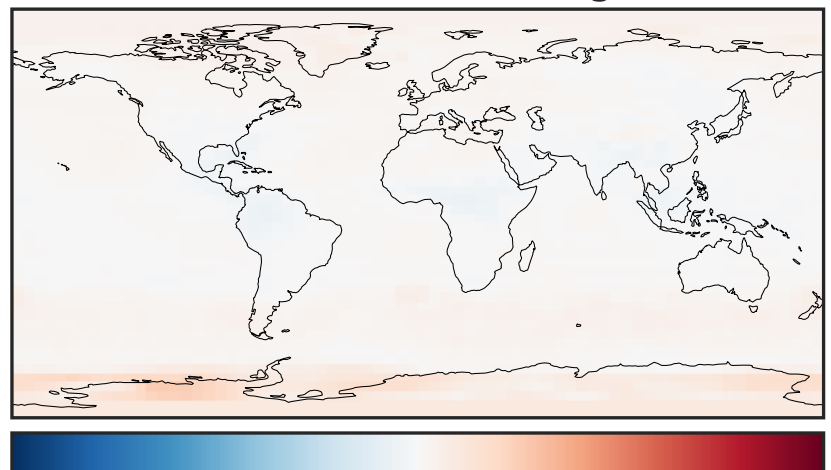
-1      0      1  
ppb       $1e-6$

Ratio  
Dev/Ref, Dynamic Range



0.8354      0.9177      1.0000      1.0985      1.1970  
unitless

Ratio  
Dev/Ref, Fixed Range

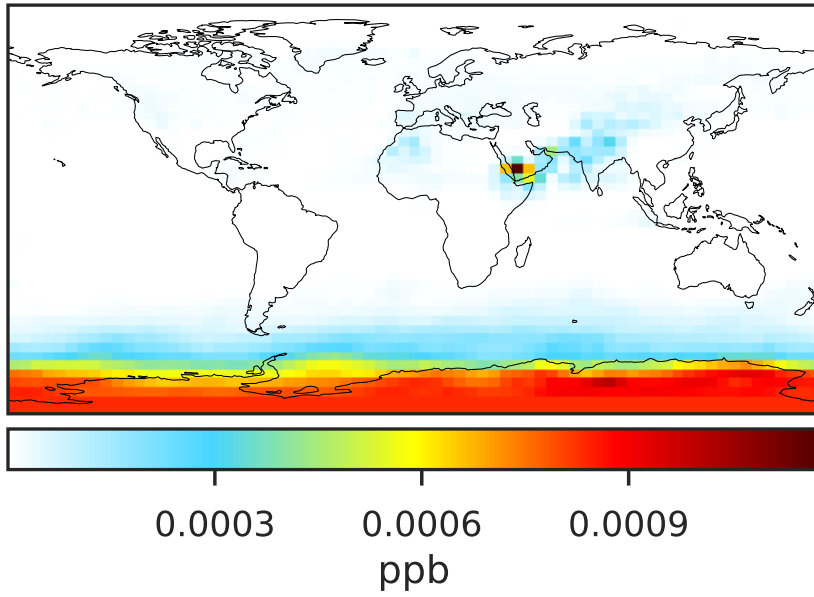


0.50      0.75      1.00      1.50      2.00  
unitless

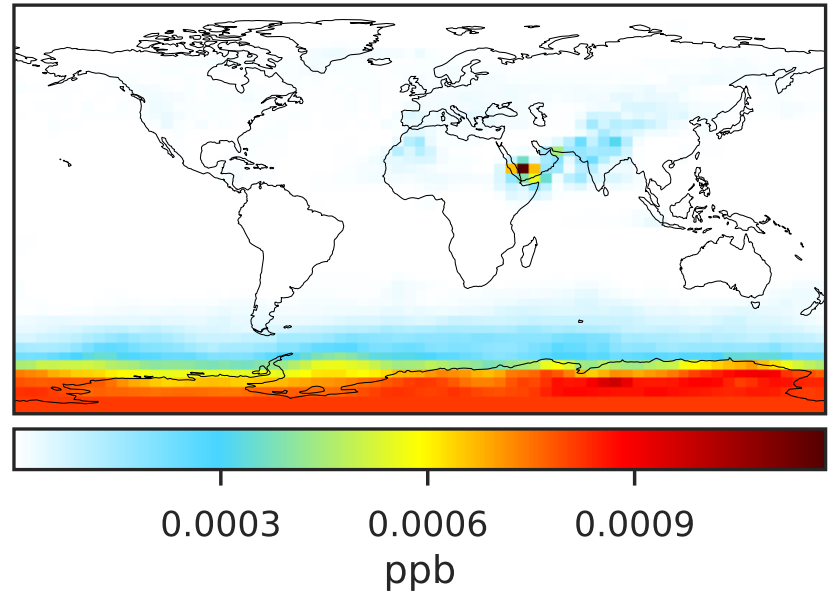


# SpeciesConcVV\_Cl2 (Jul2019)

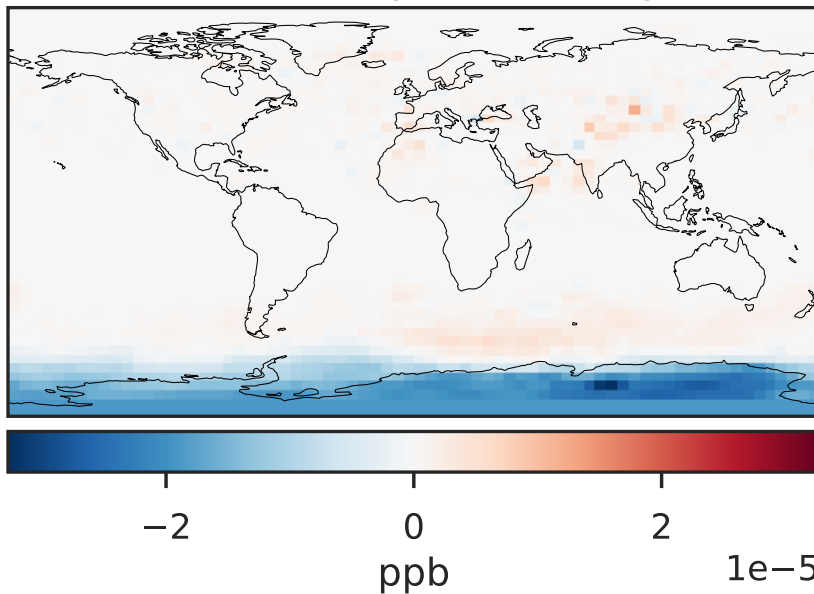
14.2.0-rc.2 (Ref)  
4.0x5.0



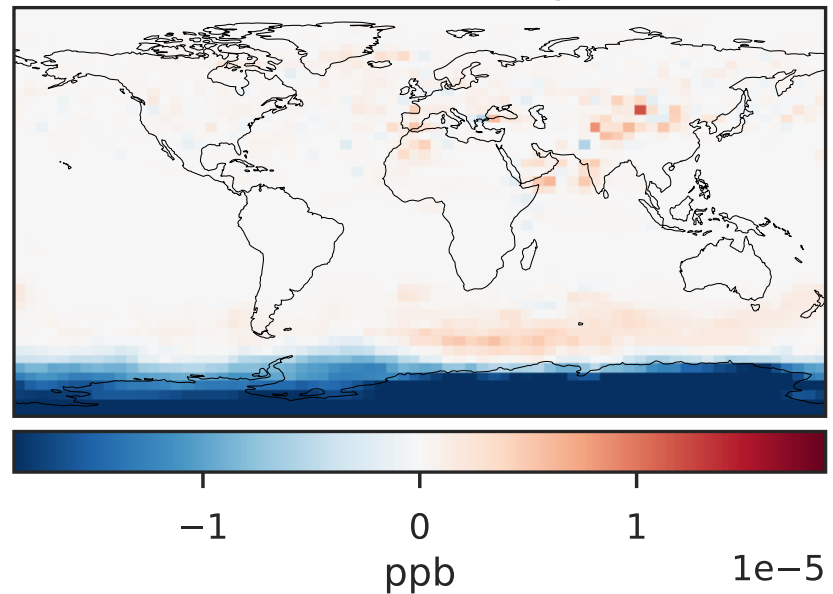
14.3.0-rc.0 (Dev)  
4.0x5.0



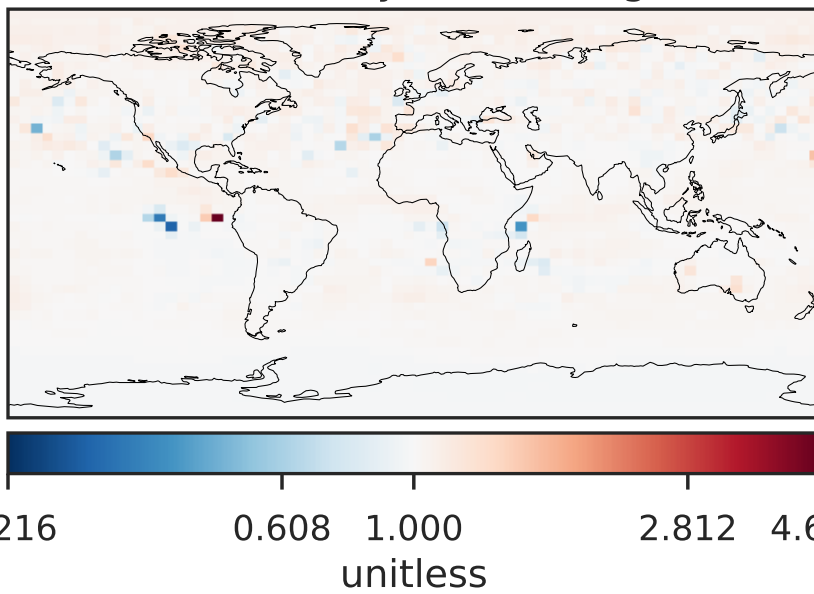
Difference  
Dev - Ref, Dynamic Range



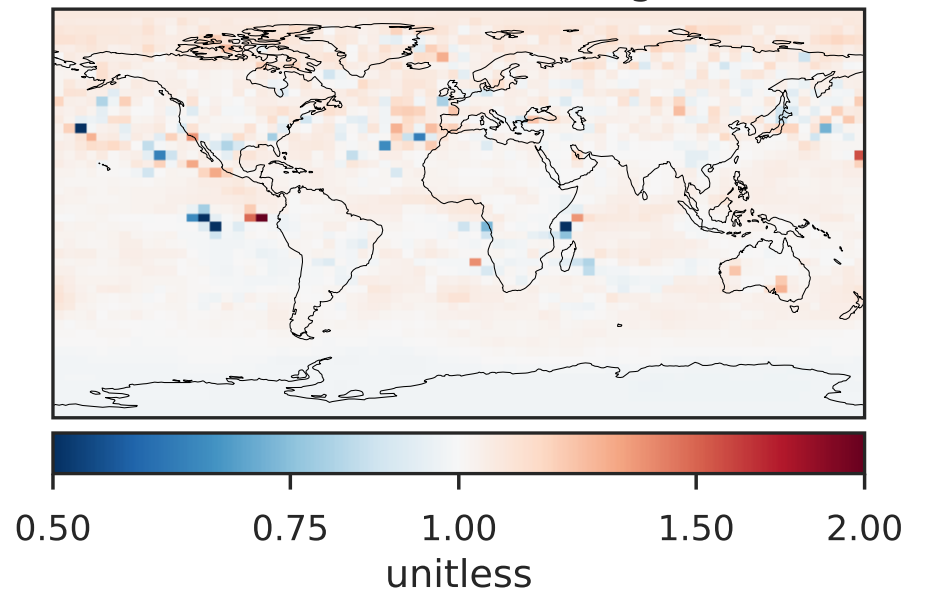
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

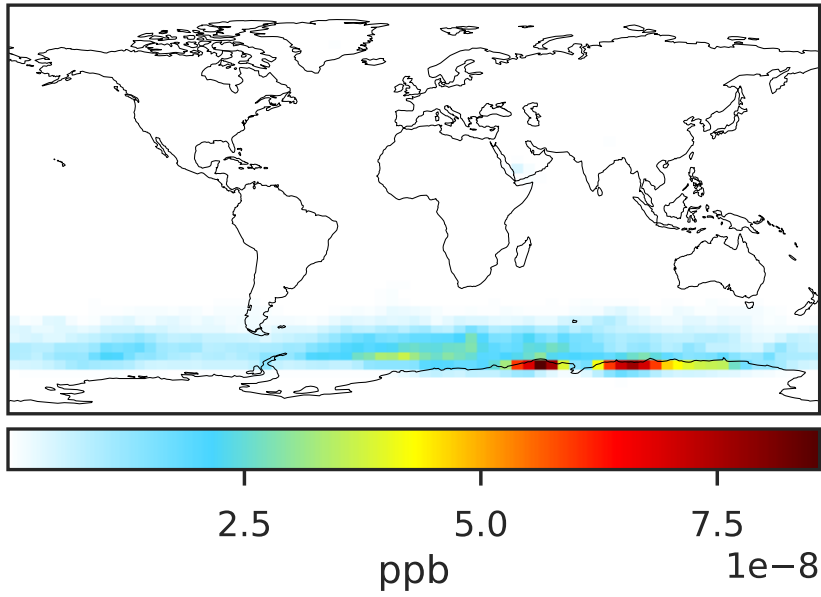


Ratio  
Dev/Ref, Fixed Range

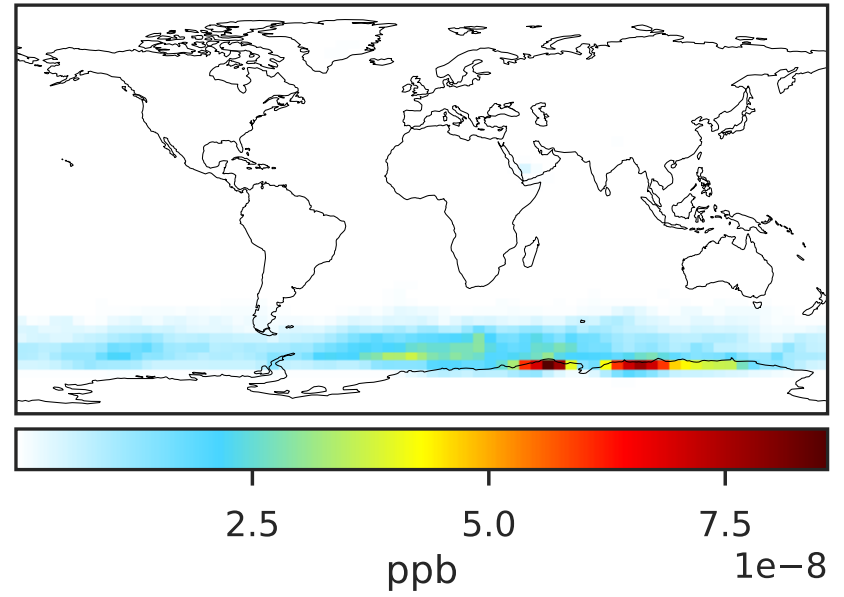


# SpeciesConcVV\_Cl2O2 (Jul2019)

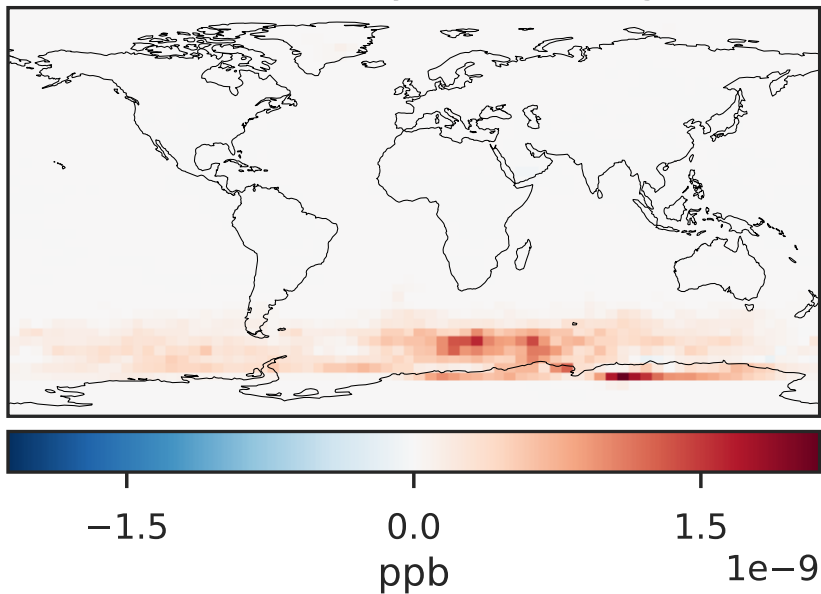
14.2.0-rc.2 (Ref)  
4.0x5.0



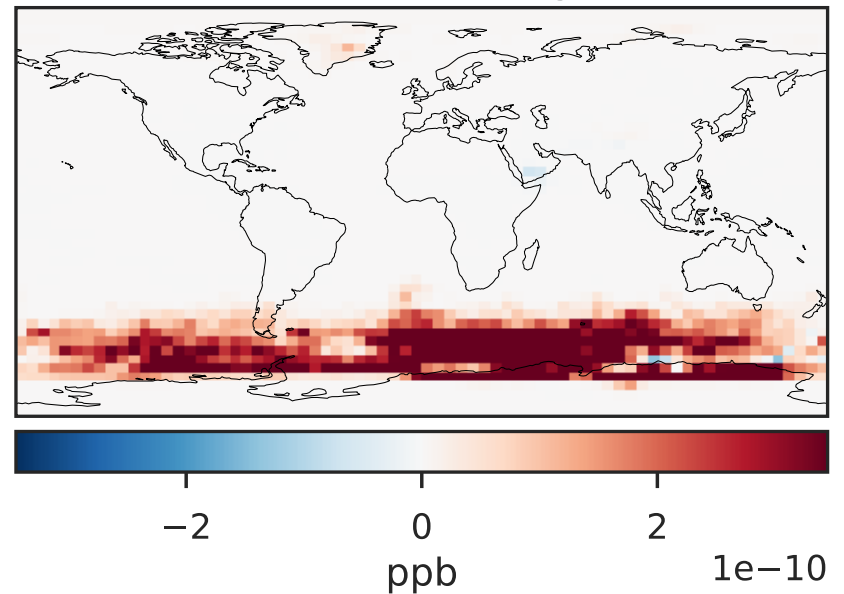
14.3.0-rc.0 (Dev)  
4.0x5.0



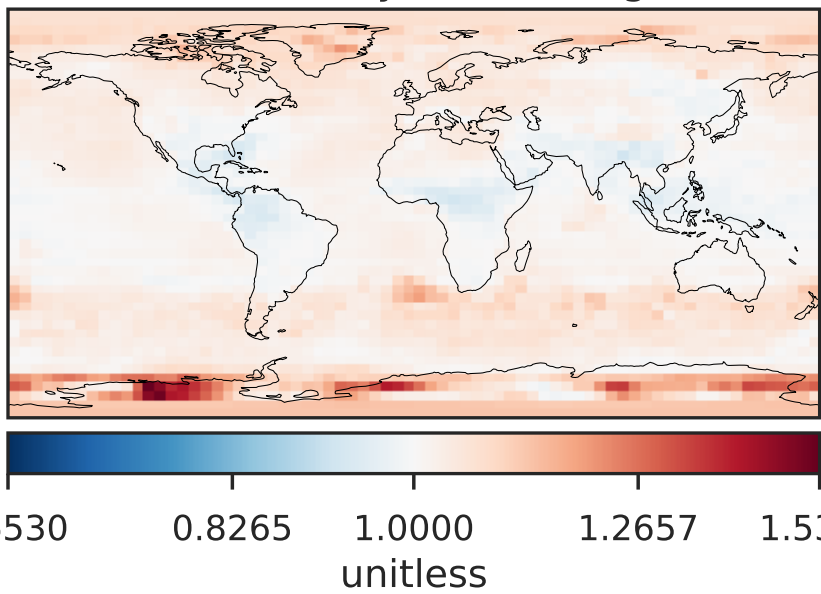
Difference  
Dev - Ref, Dynamic Range



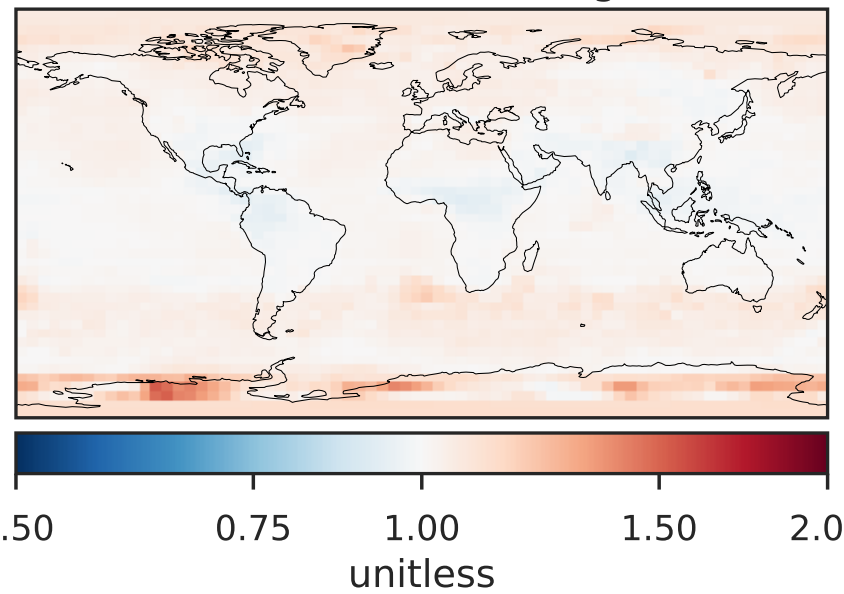
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

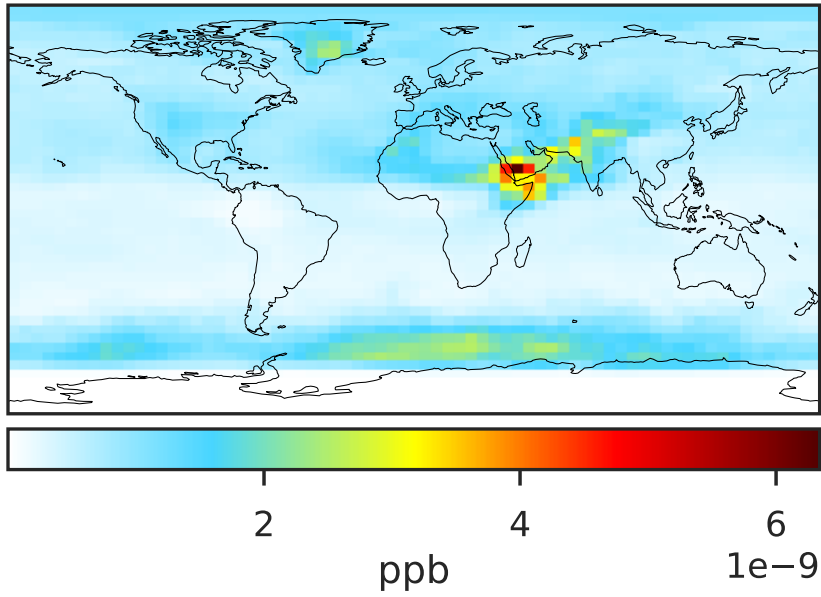


Ratio  
Dev/Ref, Fixed Range

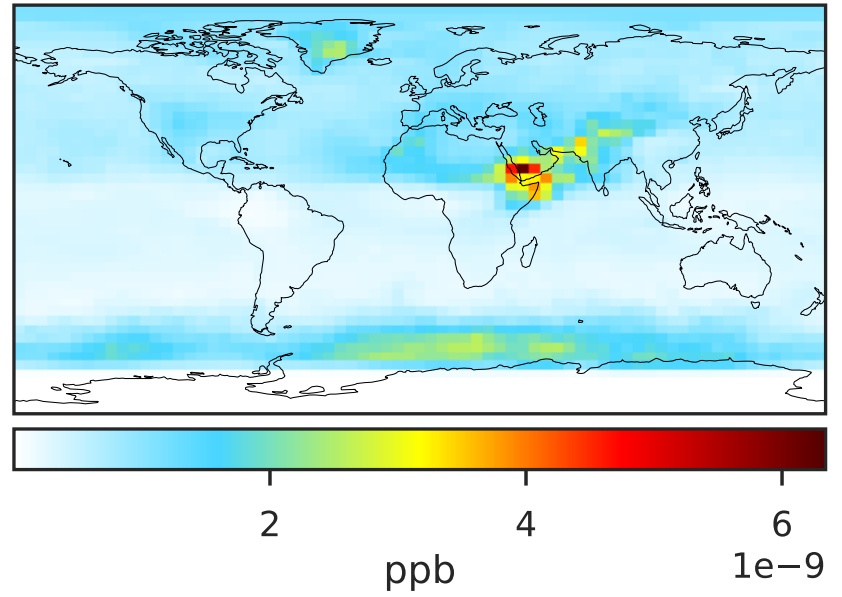


# SpeciesConcVV\_C100 (Jul2019)

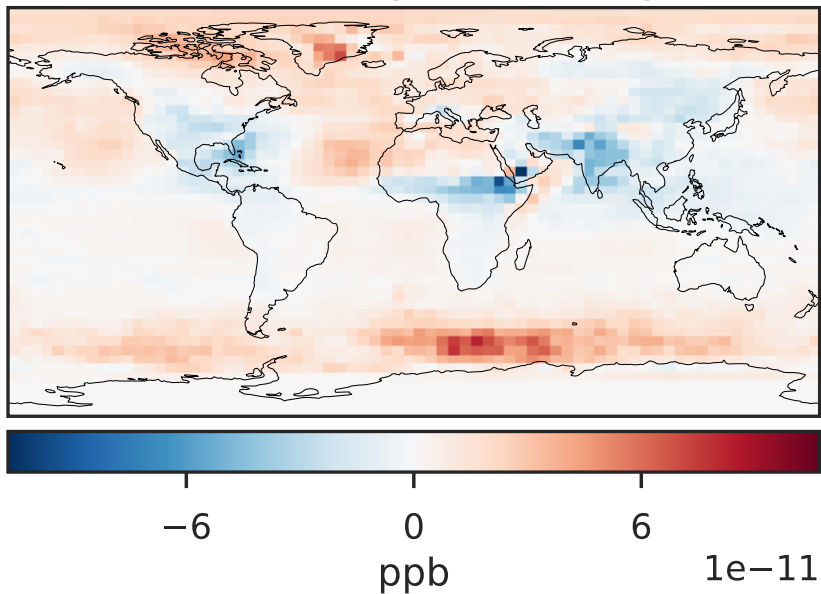
14.2.0-rc.2 (Ref)  
4.0x5.0



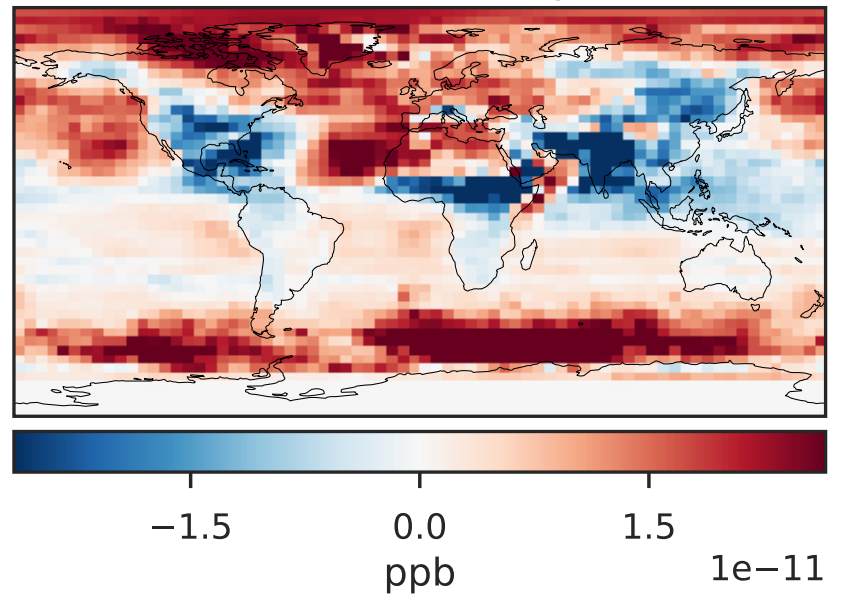
14.3.0-rc.0 (Dev)  
4.0x5.0



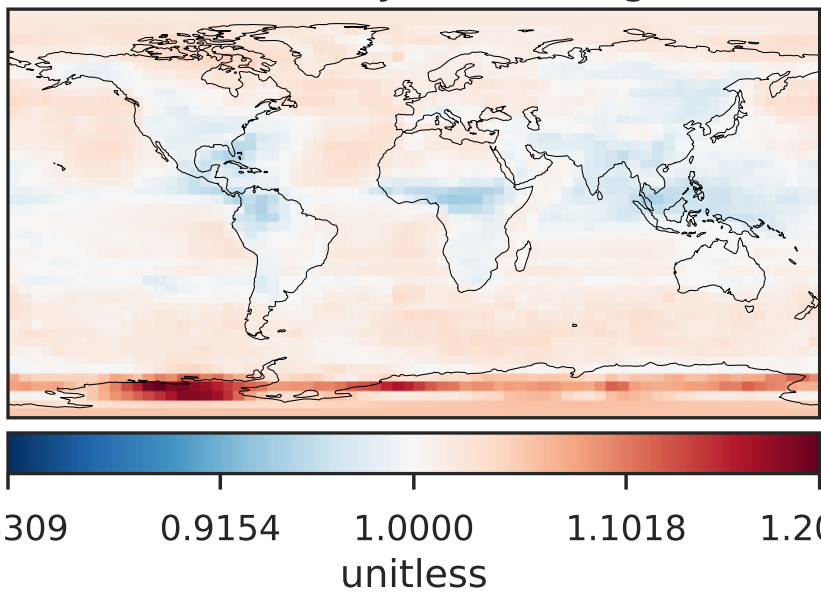
Difference  
Dev - Ref, Dynamic Range



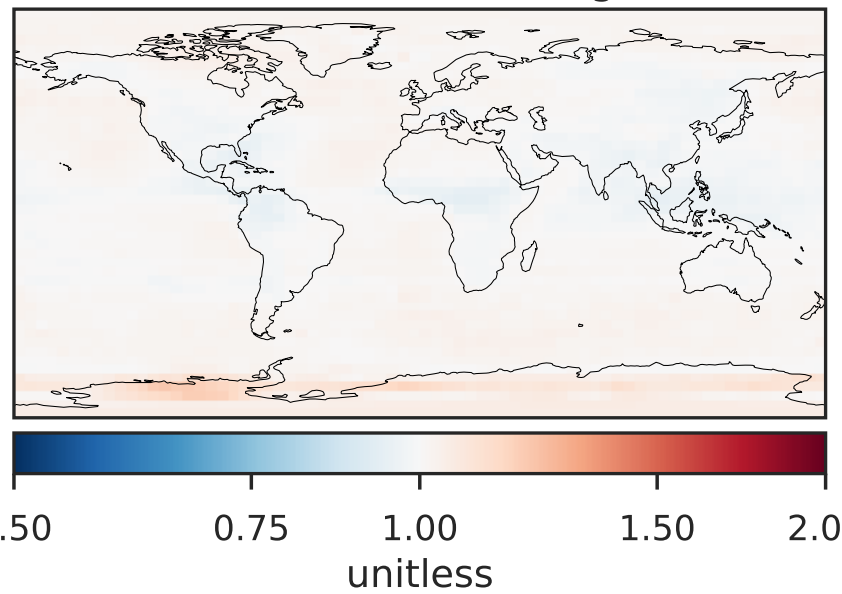
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

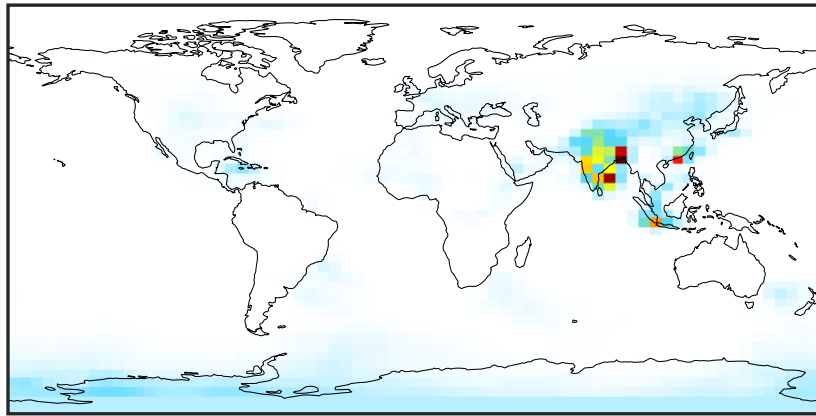


Ratio  
Dev/Ref, Fixed Range



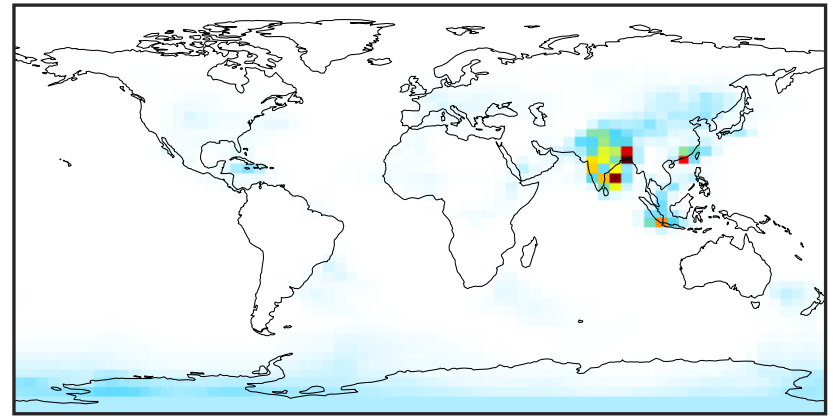
# SpeciesConcVV\_CINO2 (Jul2019)

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



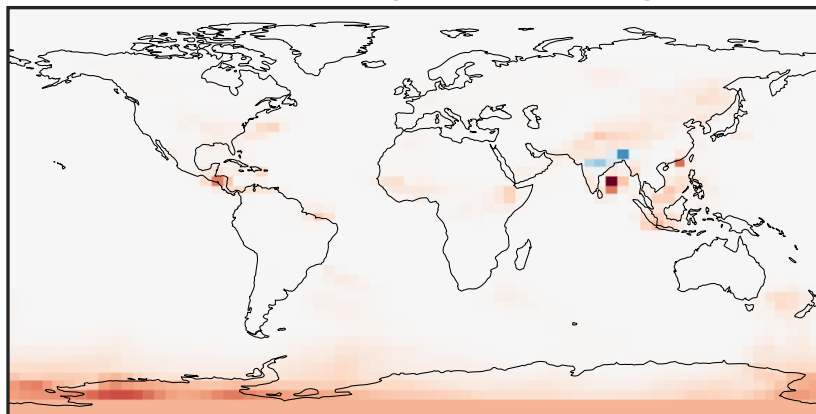
0.0001 0.0002 0.0003  
ppb

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



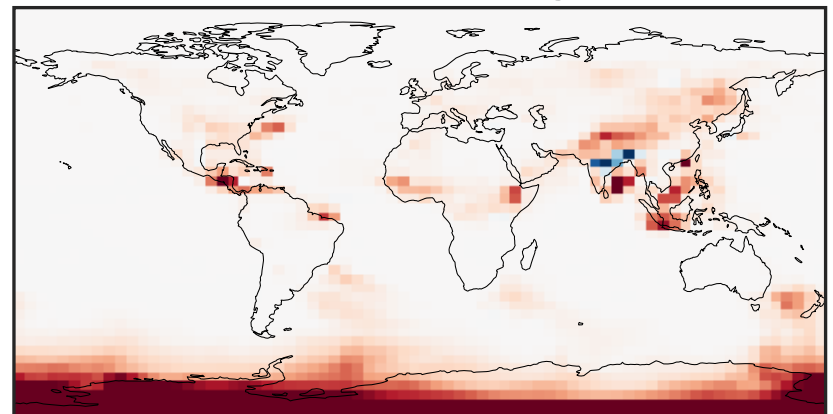
0.0001 0.0002 0.0003  
ppb

Difference  
Dev - Ref, Dynamic Range



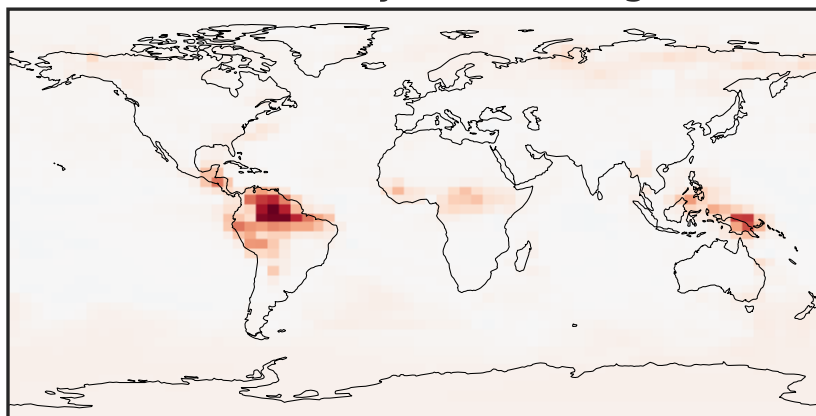
-5 0 5  
ppb  $1e-6$

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



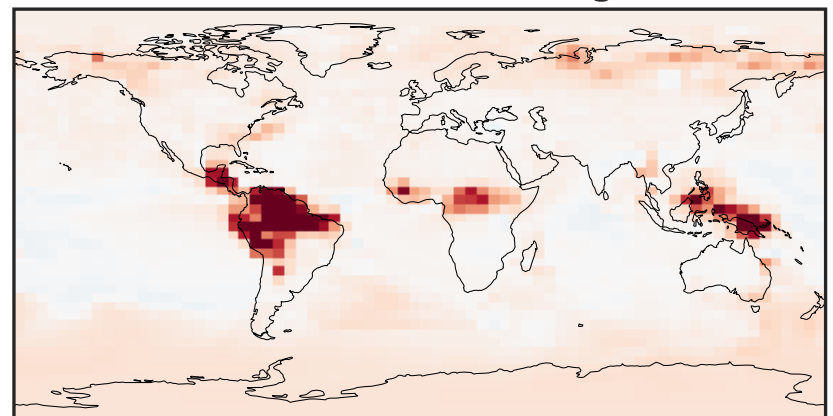
-2 0 2  
ppb  $1e-6$

Ratio  
Dev/Ref, Dynamic Range



0.137 0.569 1.000 4.141 7.281  
unitless

Ratio  
Dev/Ref, Fixed Range

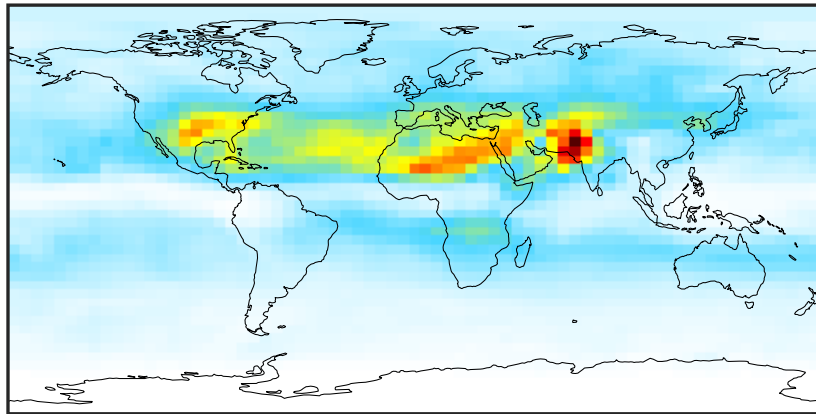


0.50 0.75 1.00 1.50 2.00  
unitless



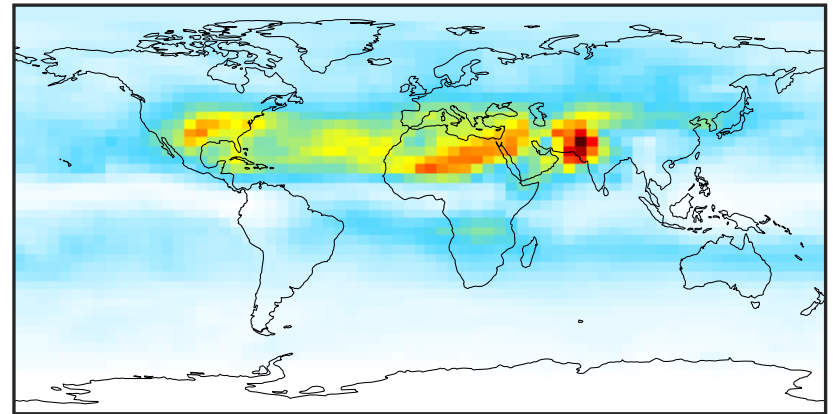
# SpeciesConcVV\_CINO3 (Jul2019)

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



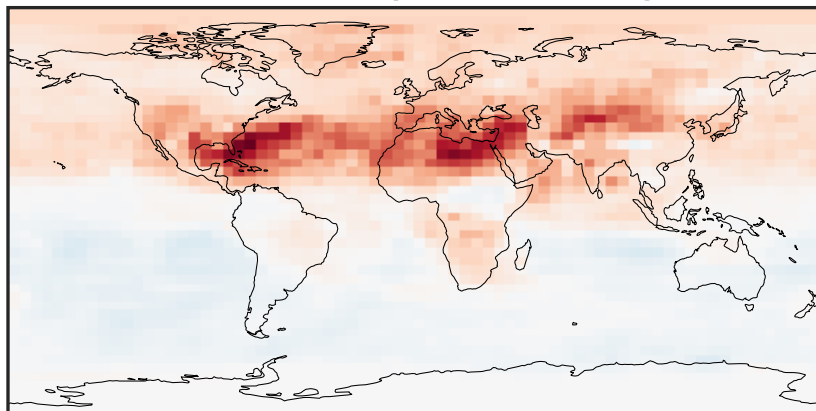
0.0008 0.0016 0.0024  
ppb

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



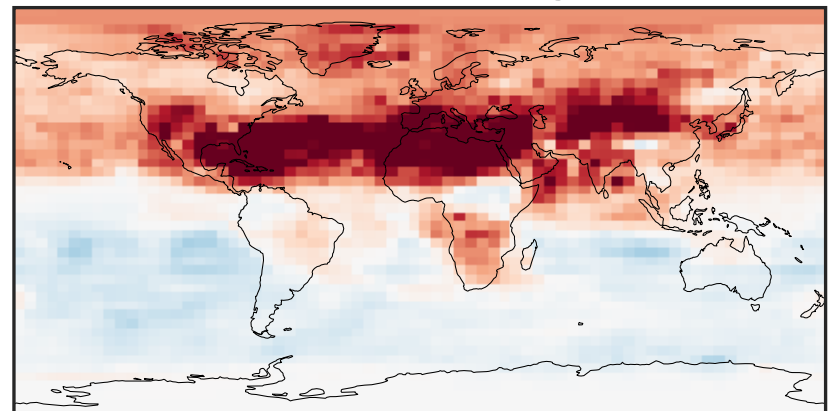
0.0008 0.0016 0.0024  
ppb

Difference  
Dev - Ref, Dynamic Range



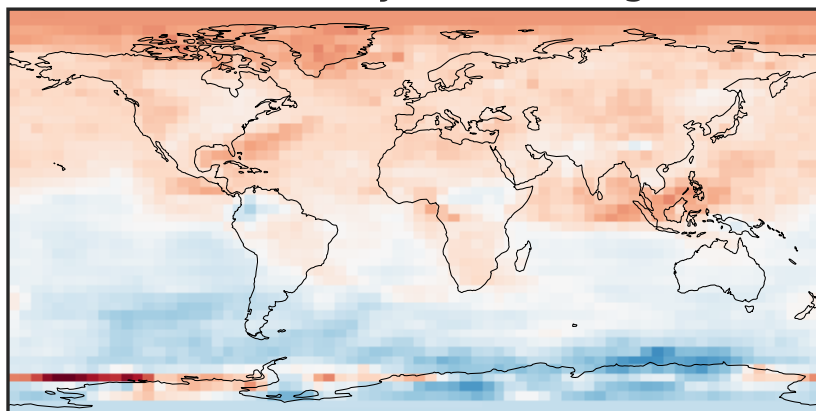
-2 0 2  
ppb 1e-5

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



-1 0 1  
ppb 1e-5

Ratio  
Dev/Ref, Dynamic Range



0.9164 0.9582 1.000 1.0456 1.0912  
unitless

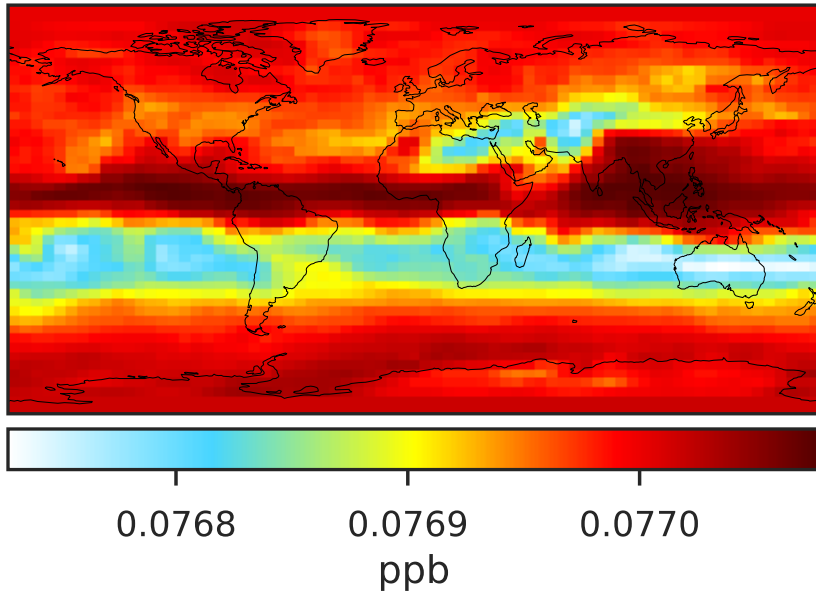
Ratio  
Dev/Ref, Fixed Range



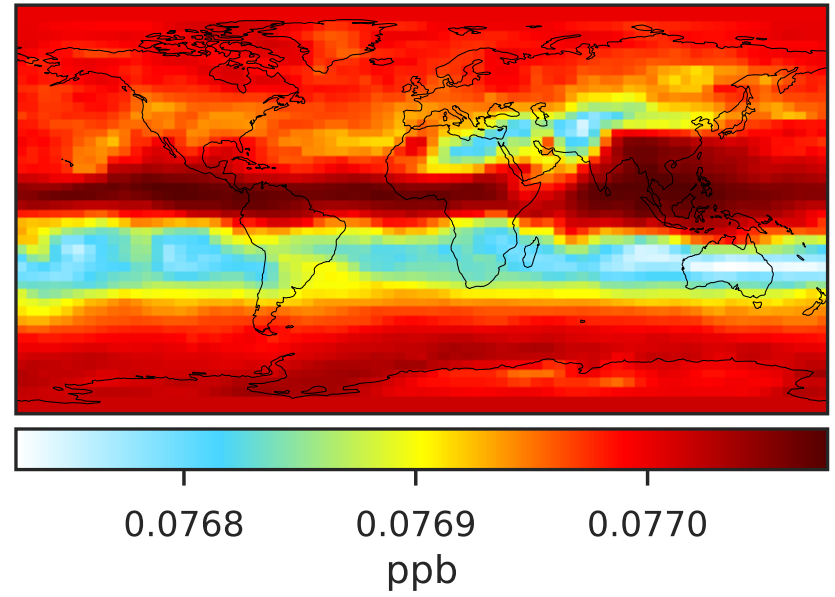
0.50 0.75 1.00 1.50 2.00  
unitless

# SpeciesConcVV\_CCl4 (Jul2019)

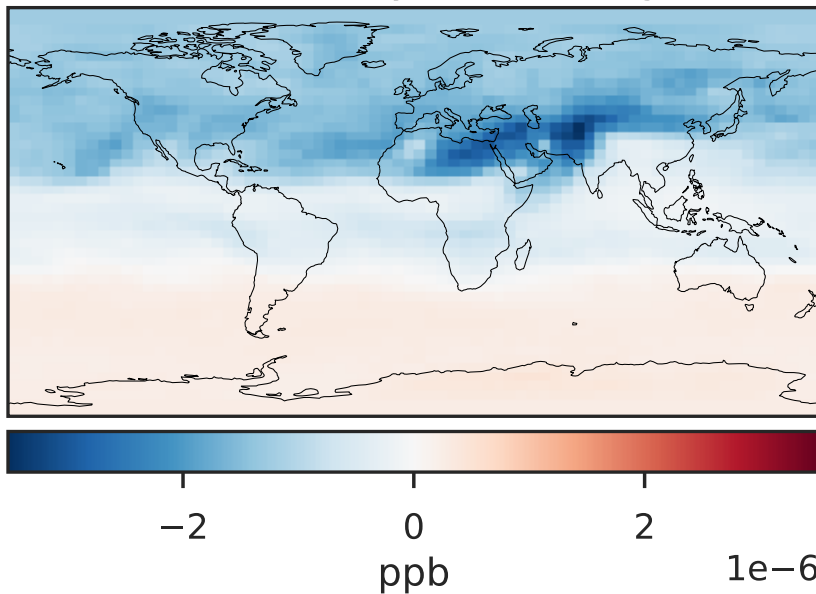
14.2.0-rc.2 (Ref)  
4.0x5.0



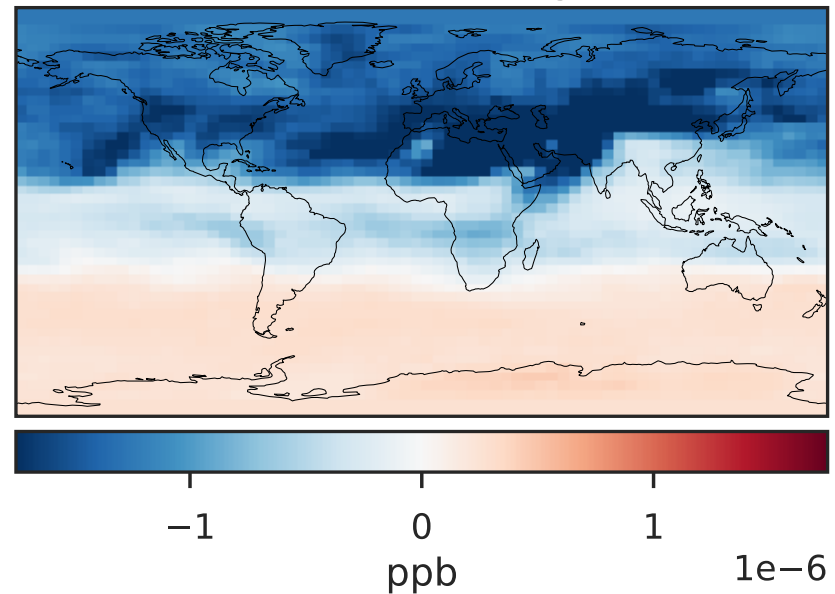
14.3.0-rc.0 (Dev)  
4.0x5.0



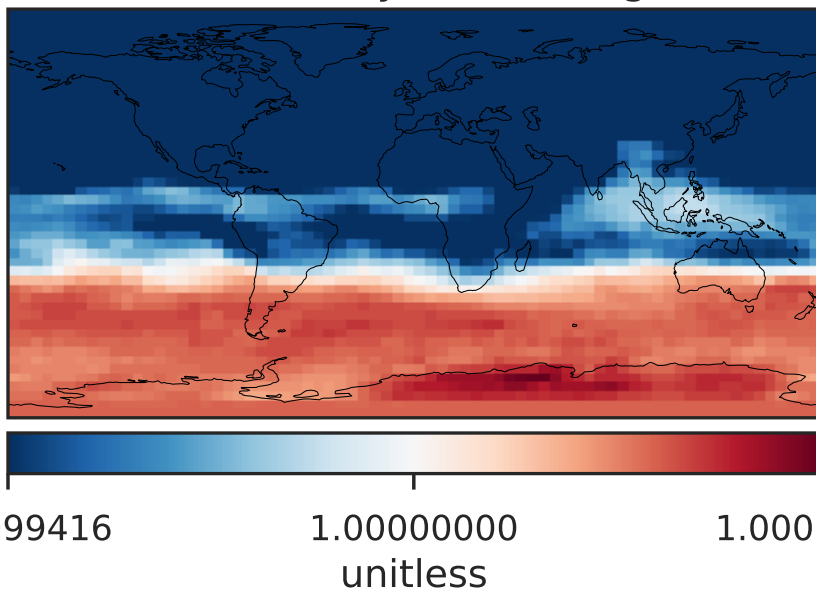
Difference  
Dev - Ref, Dynamic Range



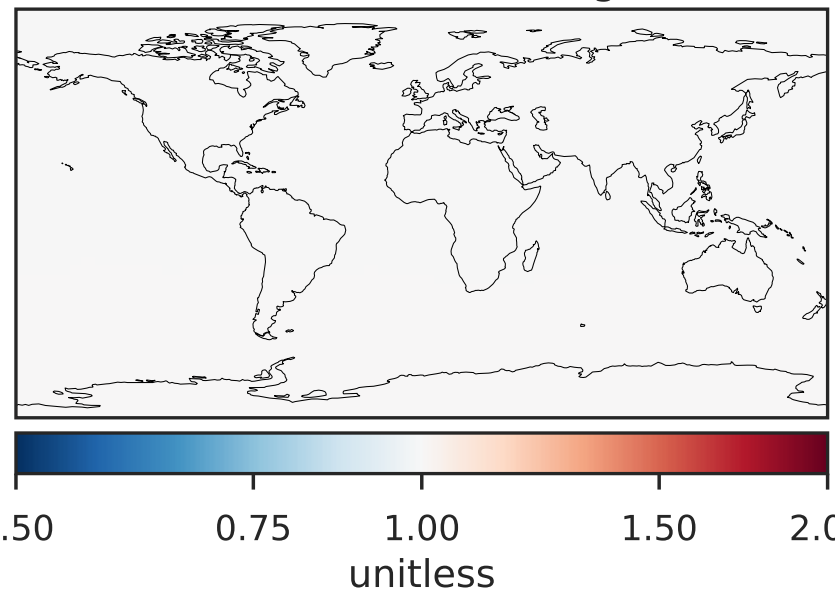
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

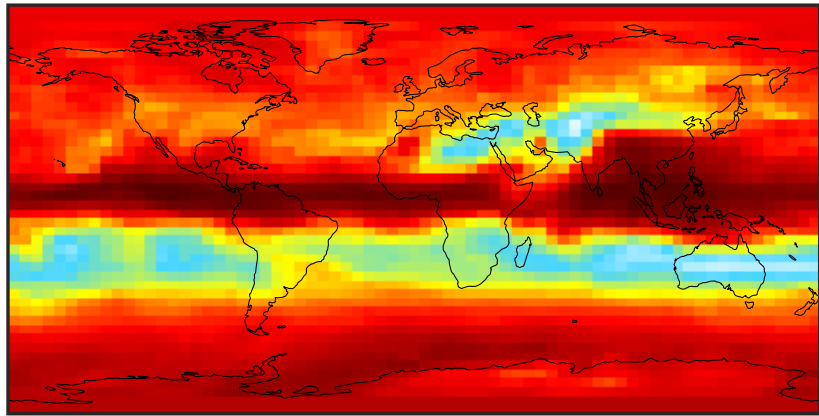


Ratio  
Dev/Ref, Fixed Range



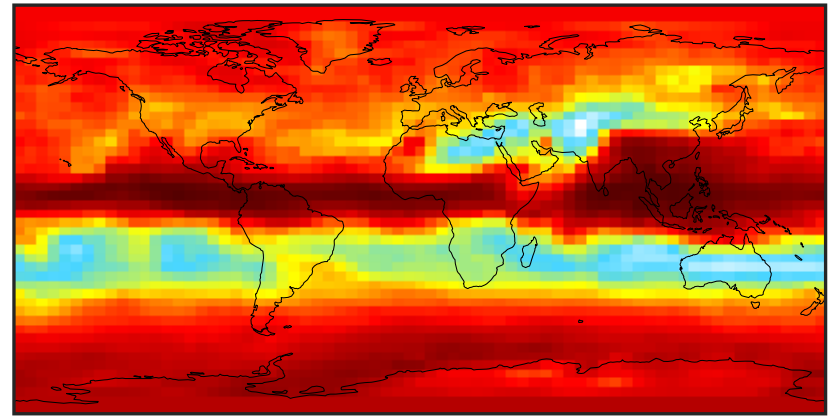
# SpeciesConcVV\_CFCs (Jul2019)

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



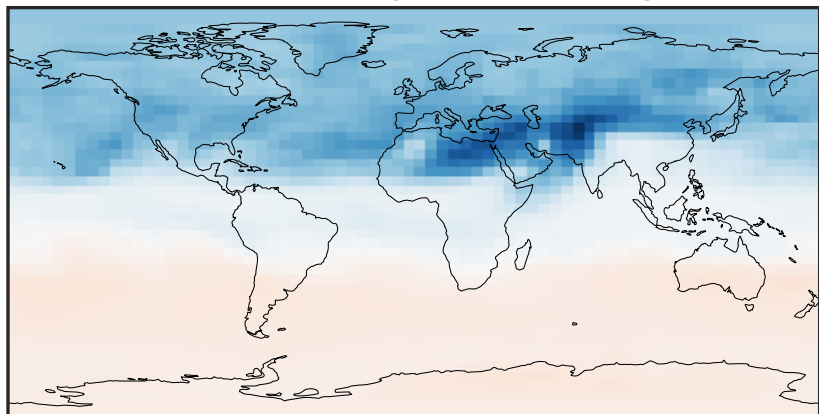
0.8152 0.8158 0.8164 0.8170  
ppb

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



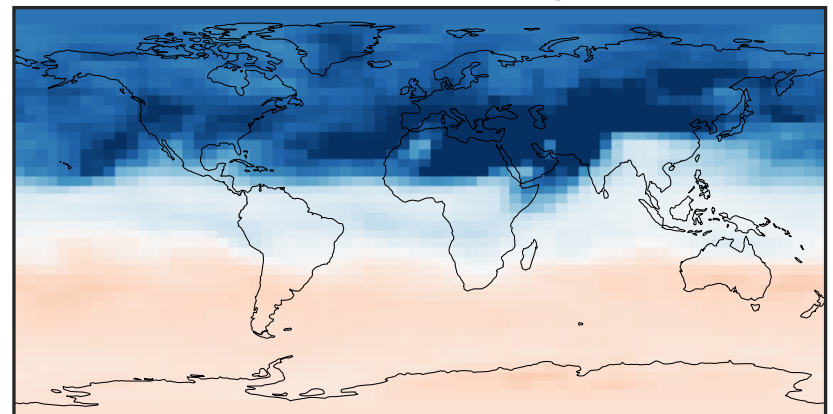
0.8152 0.8158 0.8164 0.8170  
ppb

Difference  
Dev - Ref, Dynamic Range



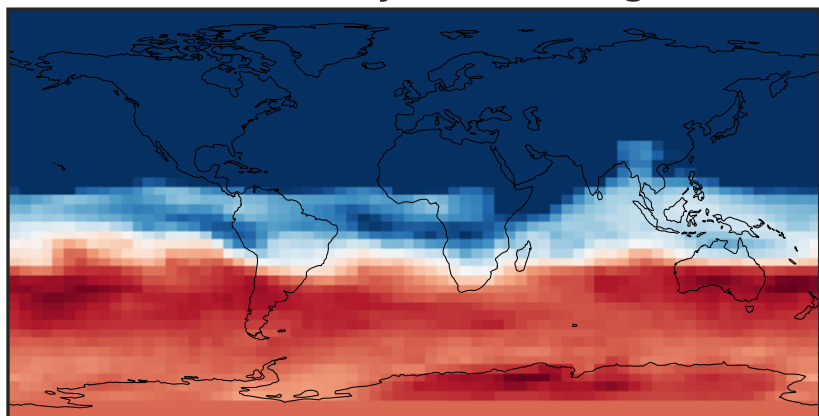
-5 0 5  
ppb  $1e-5$

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



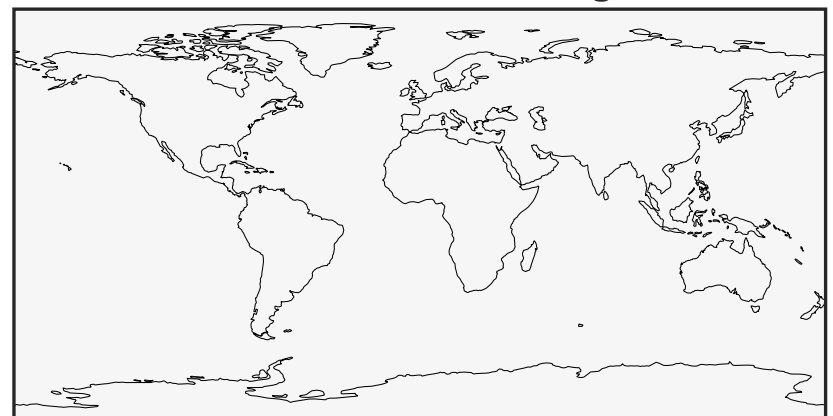
-2.5 0.0 2.5  
ppb  $1e-5$

Ratio  
Dev/Ref, Dynamic Range



0.99998617 1.0000000 1.00001383  
unitless

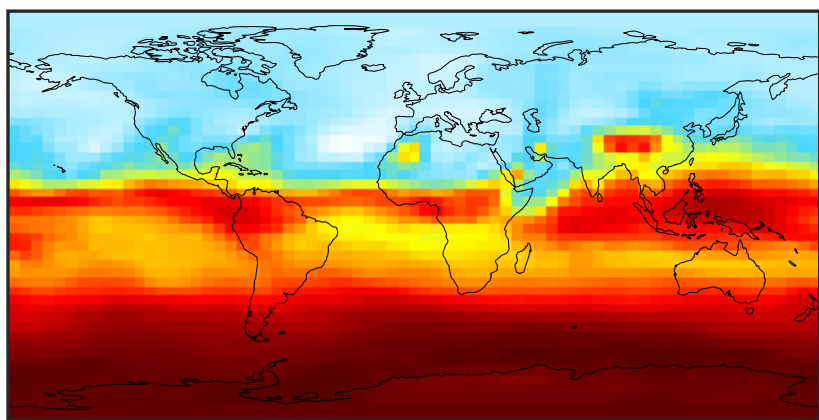
Ratio  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

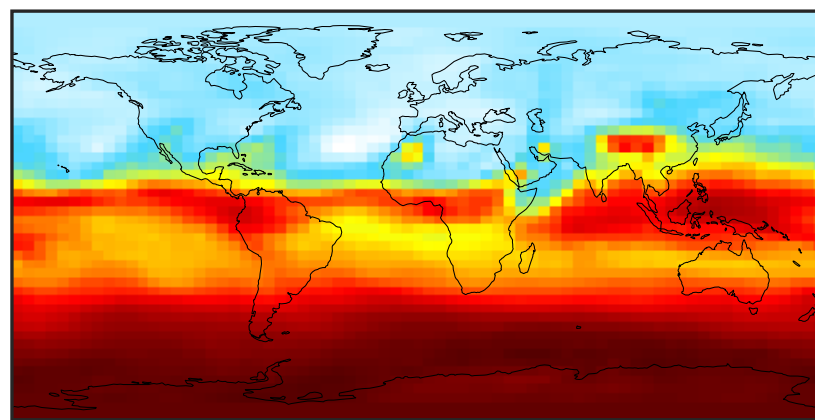
# SpeciesConcVV\_CH3Cl (Jul2019)

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



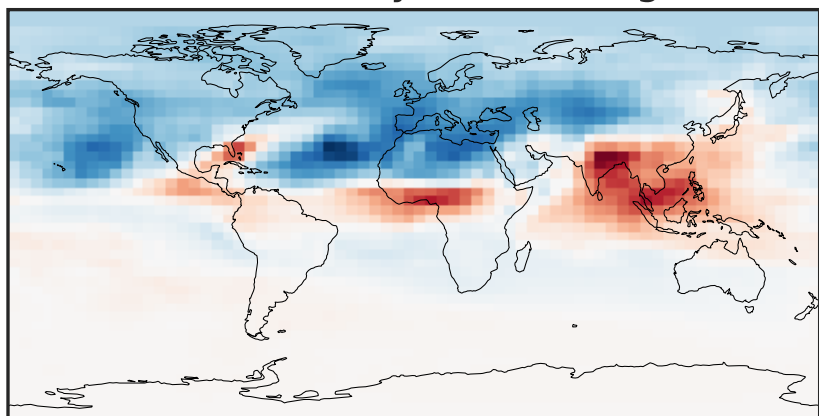
0.495 0.510 0.525  
ppb

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



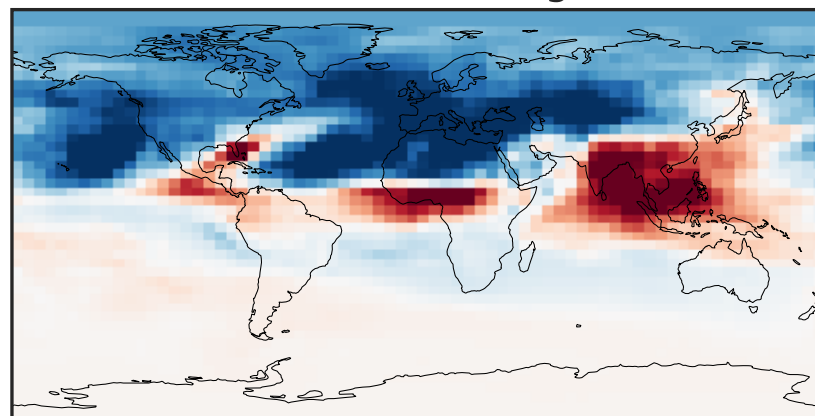
0.495 0.510 0.525  
ppb

Difference  
Dev - Ref, Dynamic Range



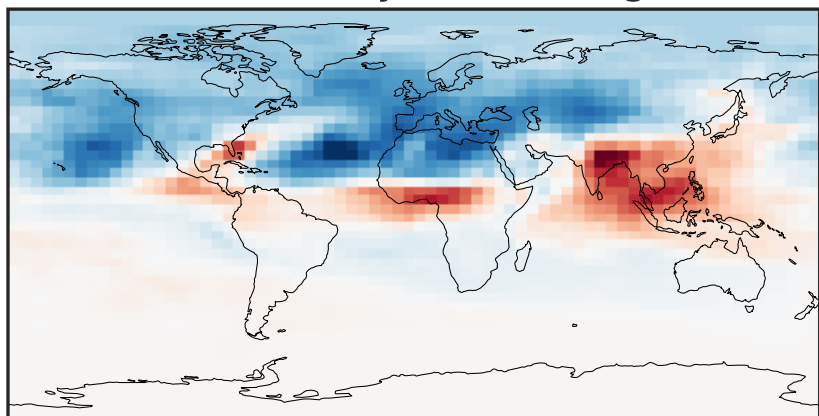
-0.0002 0.0000 0.0002  
ppb

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



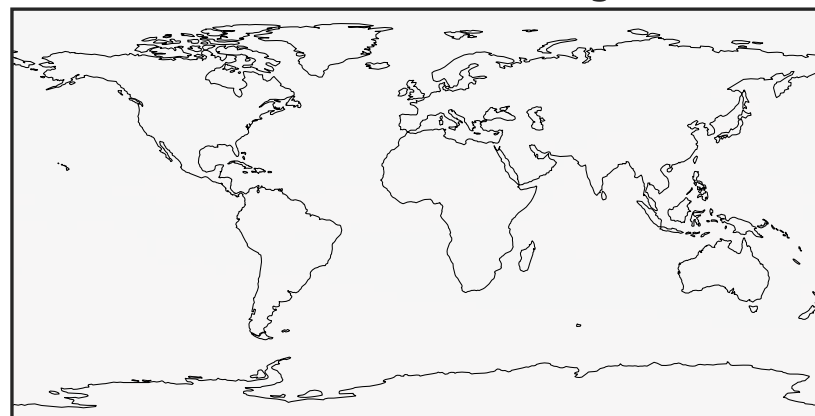
-0.00015 0.00000 0.00015  
ppb

Ratio  
Dev/Ref, Dynamic Range



0.999263 1.000000 1.000738  
unitless

Ratio  
Dev/Ref, Fixed Range

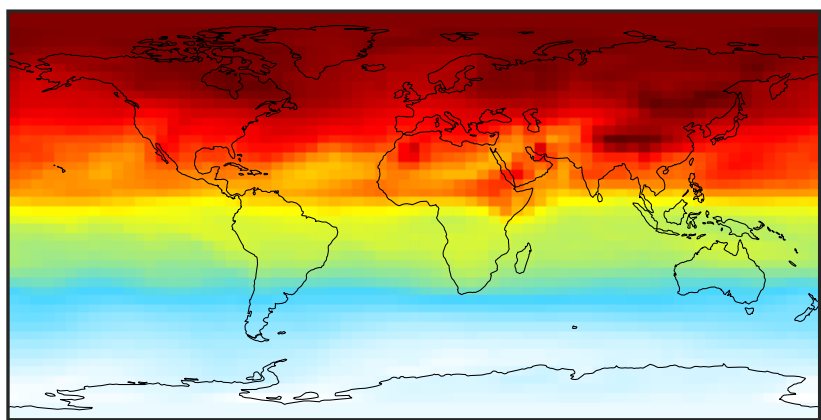


0.50 0.75 1.00 1.50 2.00  
unitless



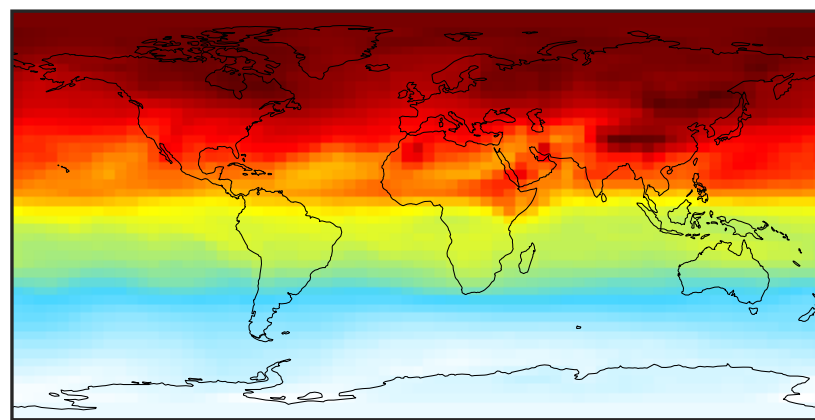
# SpeciesConcVV\_CH2Cl2 (Jul2019)

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



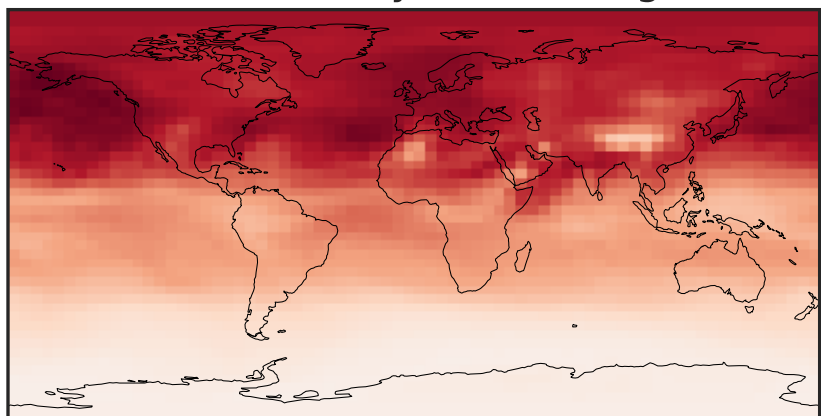
0.02 0.03 0.04 0.05  
ppb

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



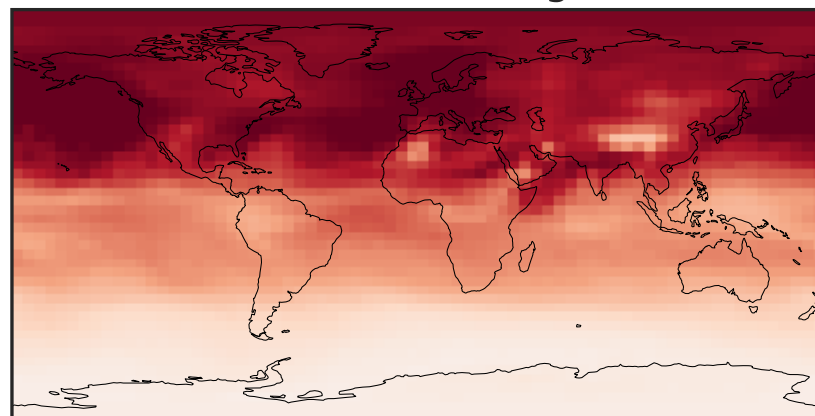
0.02 0.03 0.04 0.05  
ppb

Difference  
Dev - Ref, Dynamic Range



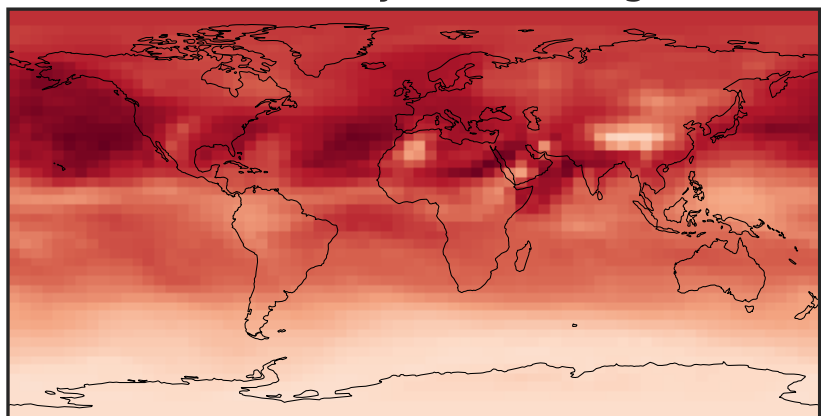
-0.0004 0.0000 0.0004  
ppb

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



-0.0003 0.0000 0.0003  
ppb

Ratio  
Dev/Ref, Dynamic Range



0.98505 0.99252 1.00000 1.00759 1.01518  
unitless

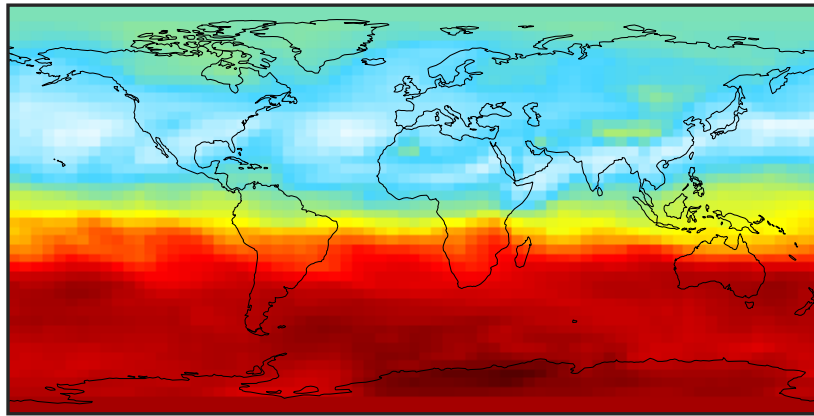
Ratio  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

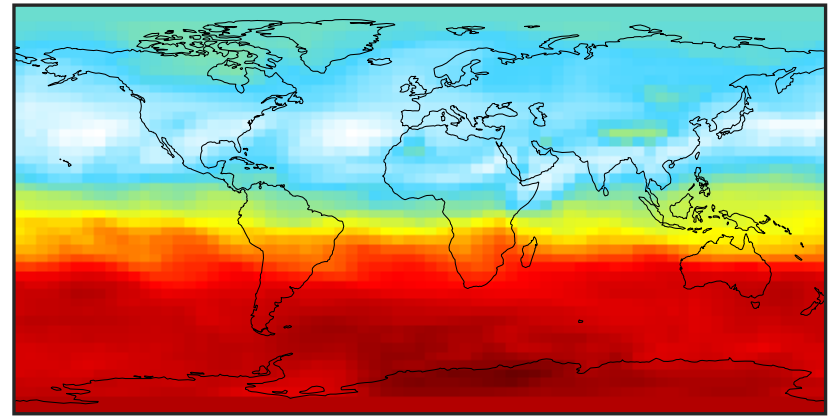
# SpeciesConcVV\_CH3CCI3 (Jul2019)

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



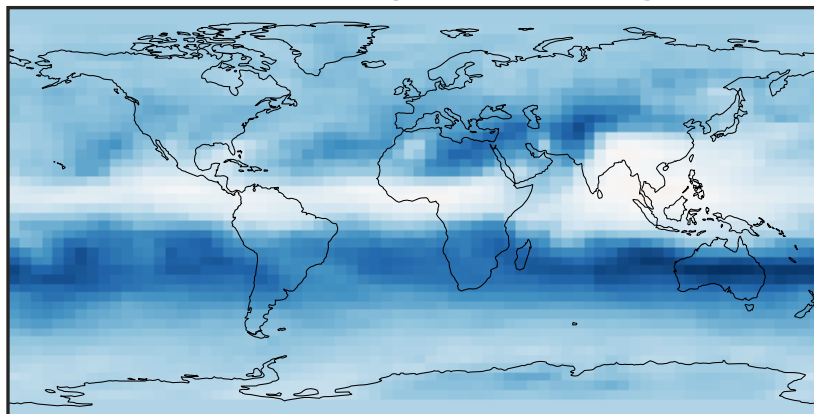
0.001352 0.001360 0.001368  
ppb

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



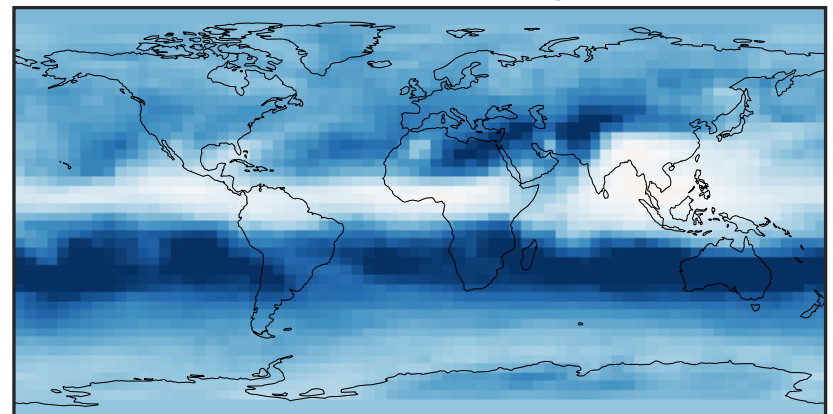
0.001352 0.001360 0.001368  
ppb

Difference  
Dev - Ref, Dynamic Range



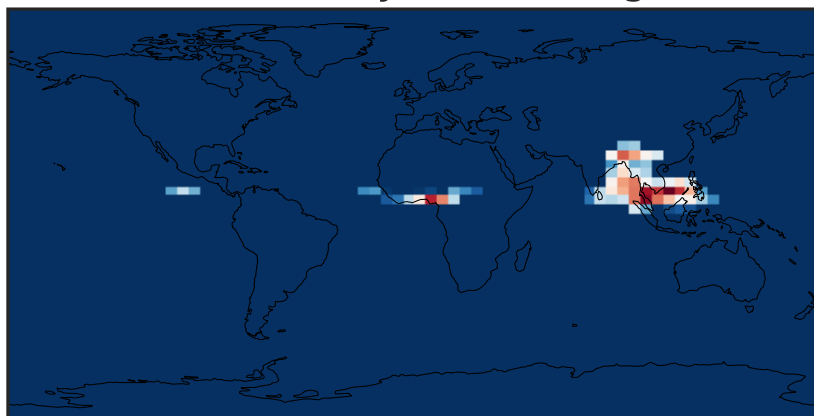
-1 0 1  
ppb  $1e-6$

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



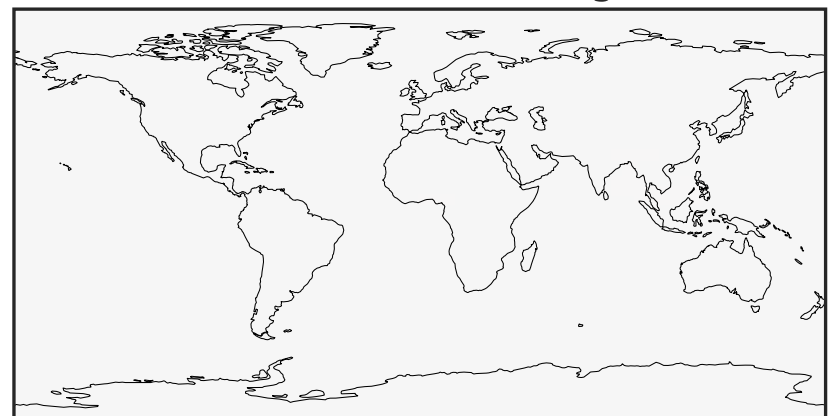
-8 0 8  
ppb  $1e-7$

Ratio  
Dev/Ref, Dynamic Range



0.9999474 1.000000 1.0000526  
unitless

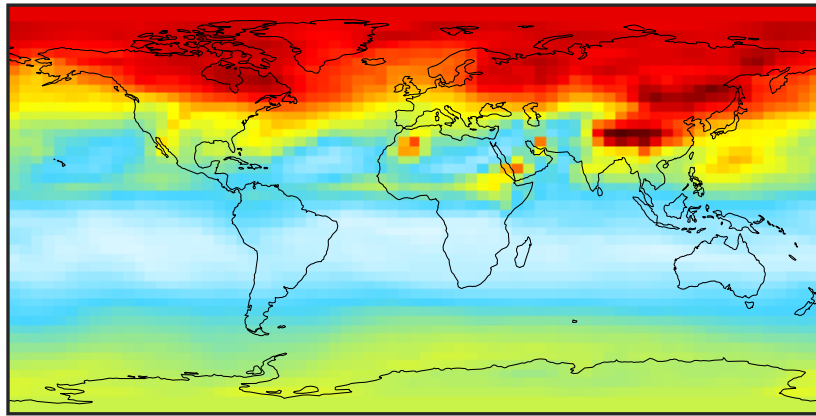
Ratio  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

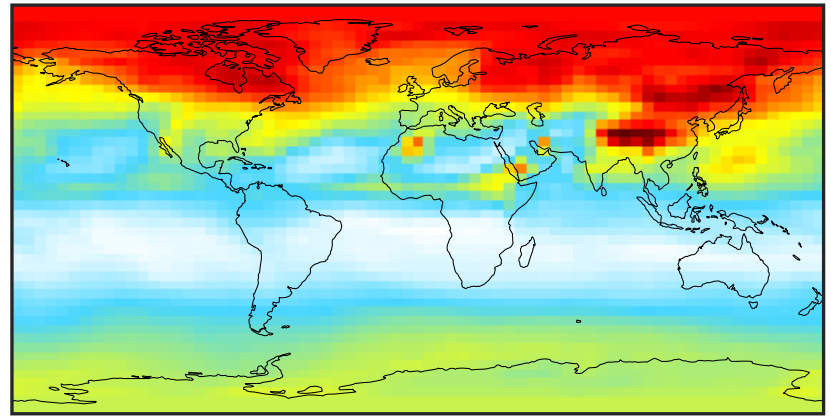
# SpeciesConcVV\_CHCl3 (Jul2019)

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



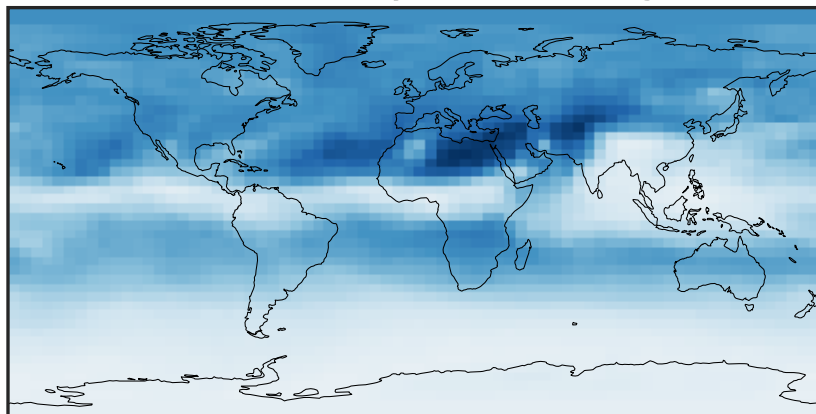
0.0072 0.0080 0.0088 0.0096  
ppb

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



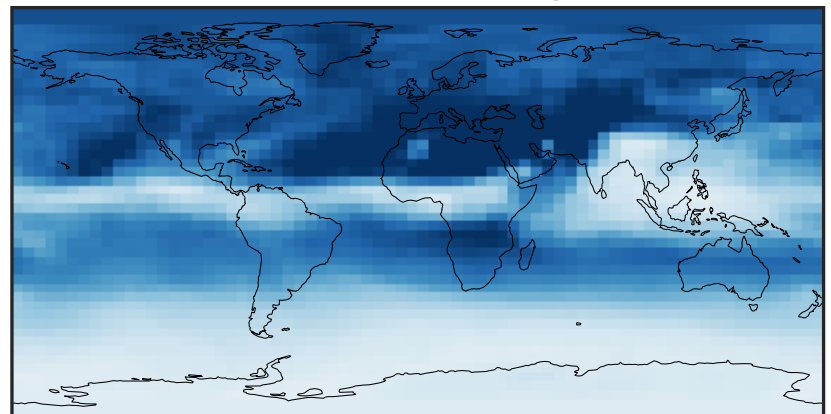
0.0072 0.0080 0.0088 0.0096  
ppb

Difference  
Dev - Ref, Dynamic Range



-0.00015 0.00000 0.00015  
ppb

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



-8 0 8  
ppb 1e-5

Ratio  
Dev/Ref, Dynamic Range



0.998133 0.999067 1.000000 1.000935 1.001870  
unitless

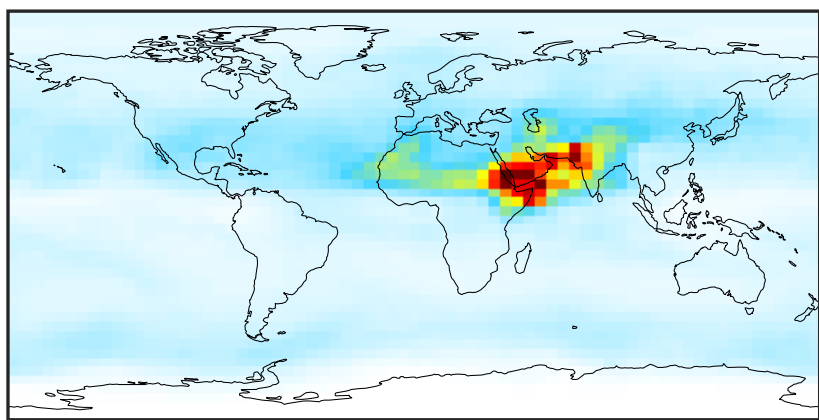
Ratio  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

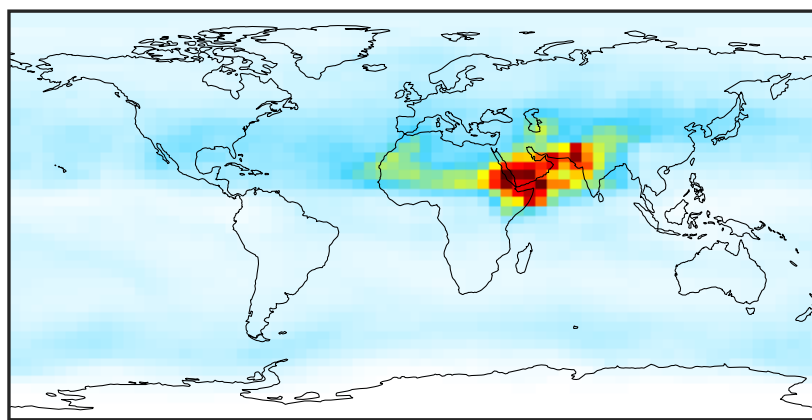
# SpeciesConcVV\_HOCl (Jul2019)

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



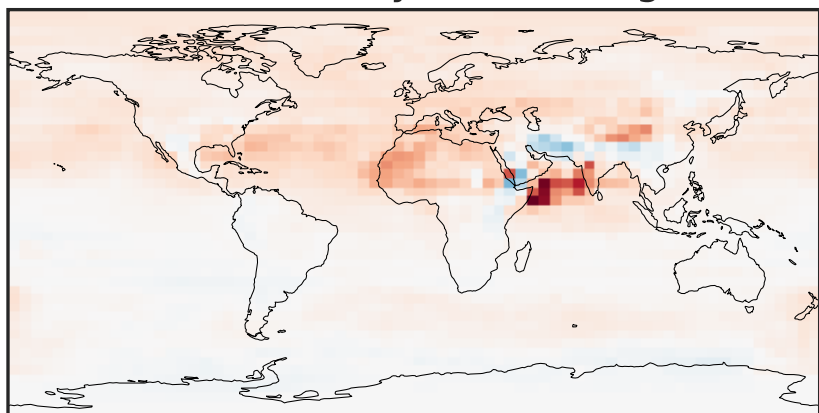
0.0015 0.0030  
ppb

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



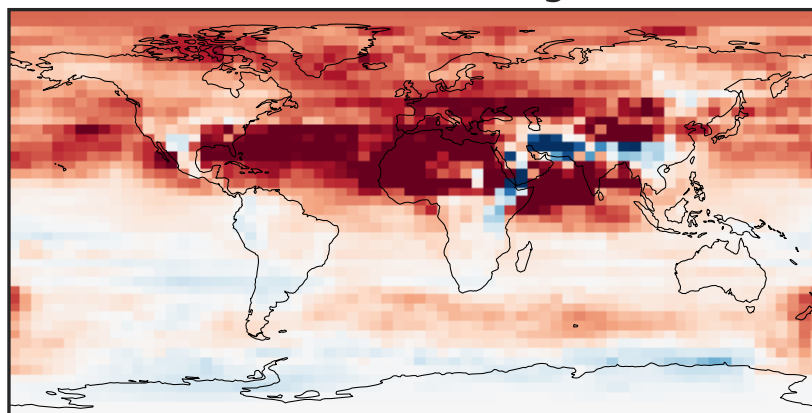
0.0015 0.0030  
ppb

Difference  
Dev - Ref, Dynamic Range



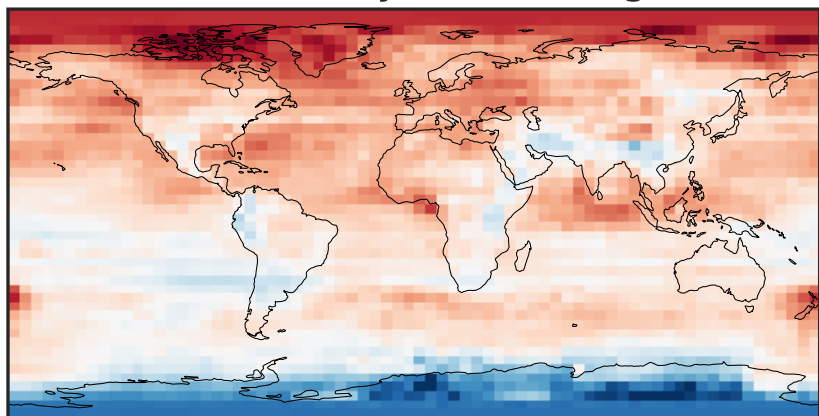
-4 0 4  
ppb  $1e-5$

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



-8 0 8  
ppb  $1e-6$

Ratio  
Dev/Ref, Dynamic Range



0.9382 0.9691 1.0000 1.0329 1.0658  
unitless

Ratio  
Dev/Ref, Fixed Range

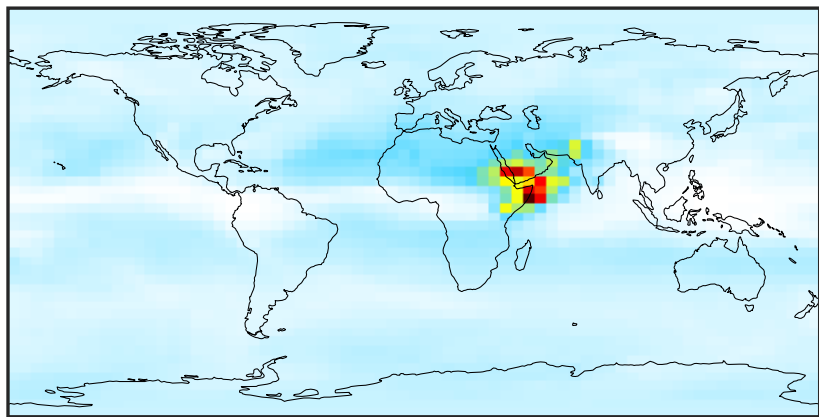


0.50 0.75 1.00 1.50 2.00  
unitless



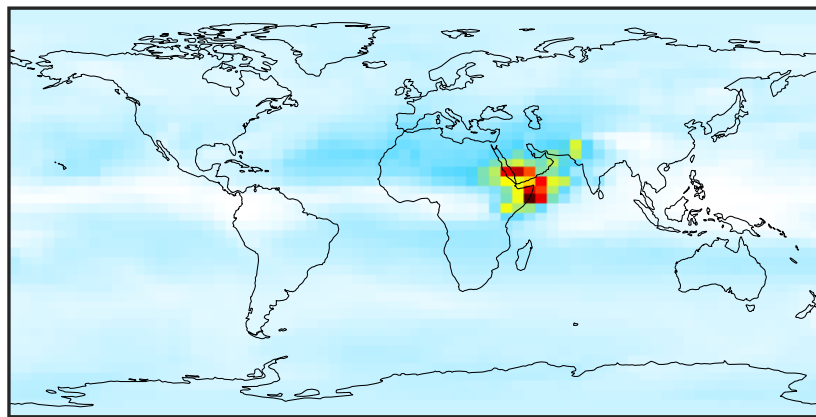
# SpeciesConcVV\_HCl (Jul2019)

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



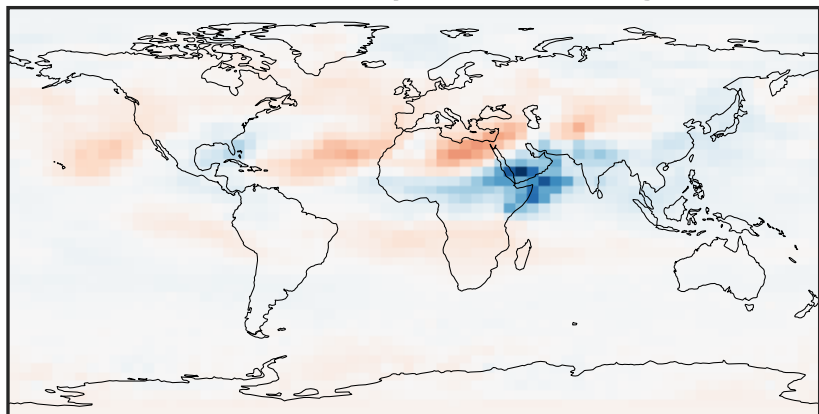
0.0022 0.0654 0.1286 0.1917 0.2549  
ppb

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



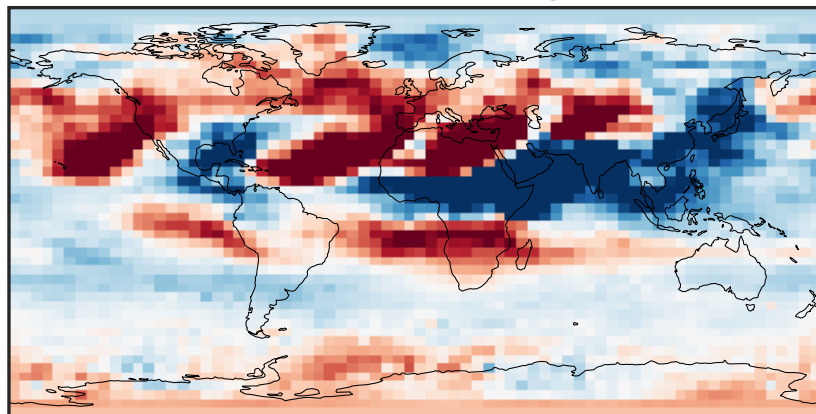
0.0022 0.0654 0.1286 0.1917 0.2549  
ppb

Difference  
Dev - Ref, Dynamic Range



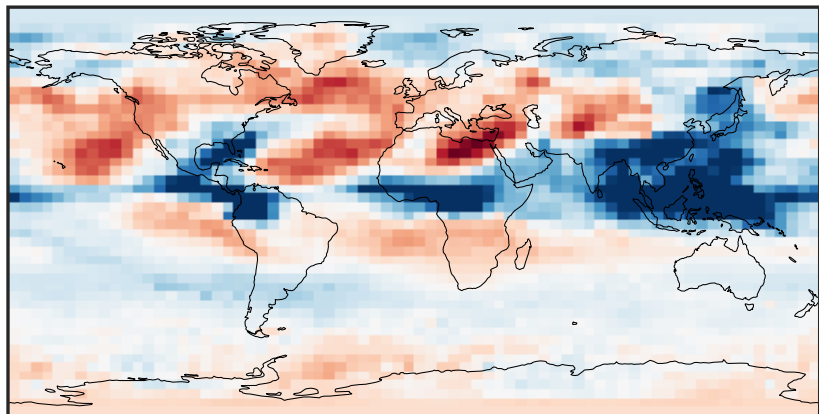
-0.0006 0.0000 0.0006  
ppb

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



-6 0 6  
ppb 1e-5

Ratio  
Dev/Ref, Dynamic Range



0.99011 0.99505 1.00000 1.00500 1.00999  
unitless

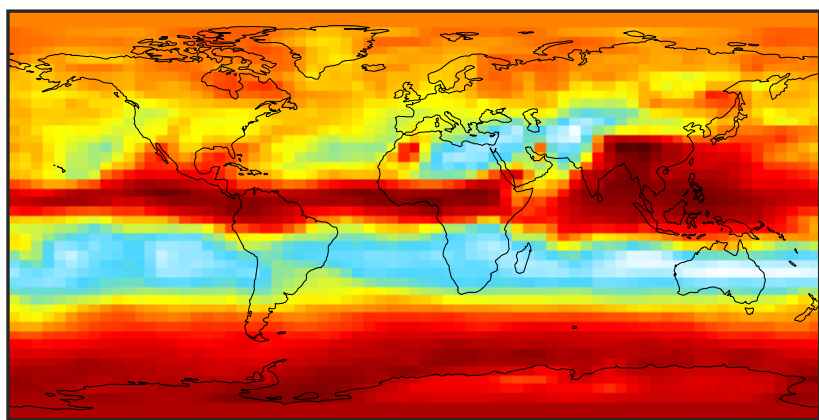
Ratio  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

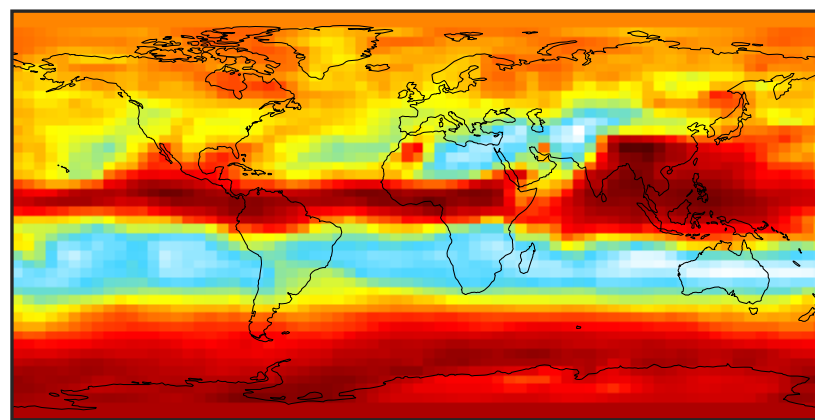
# SpeciesConcVV\_Halons (Jul2019)

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



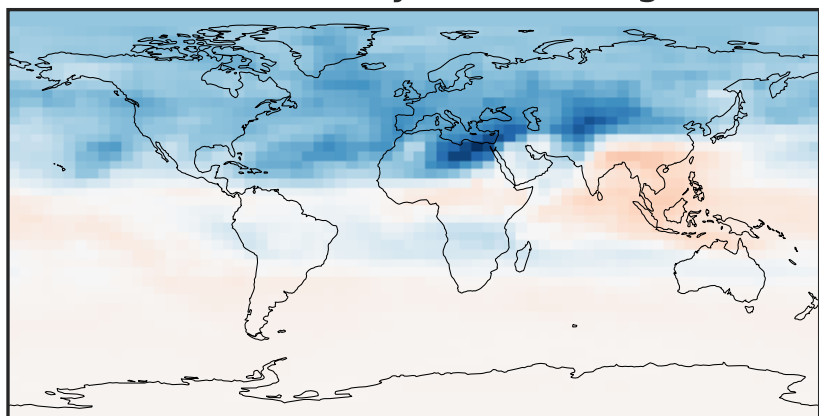
0.006910 0.006925 0.006940  
ppb

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



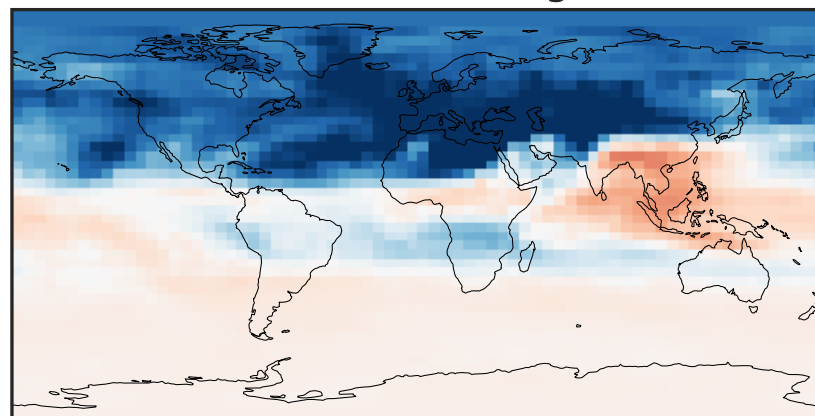
0.006910 0.006925 0.006940  
ppb

Difference  
Dev - Ref, Dynamic Range



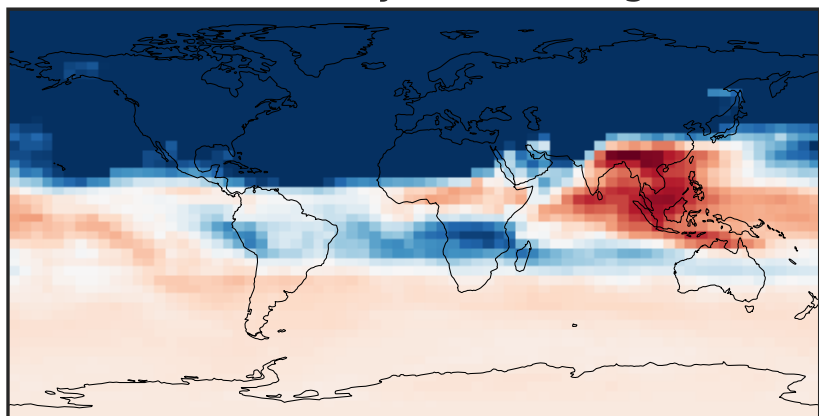
-4 0 4  
ppb  $1e-7$

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



-2 0 2  
ppb  $1e-7$

Ratio  
Dev/Ref, Dynamic Range



0.99997342 1.0000000 1.00002658  
unitless

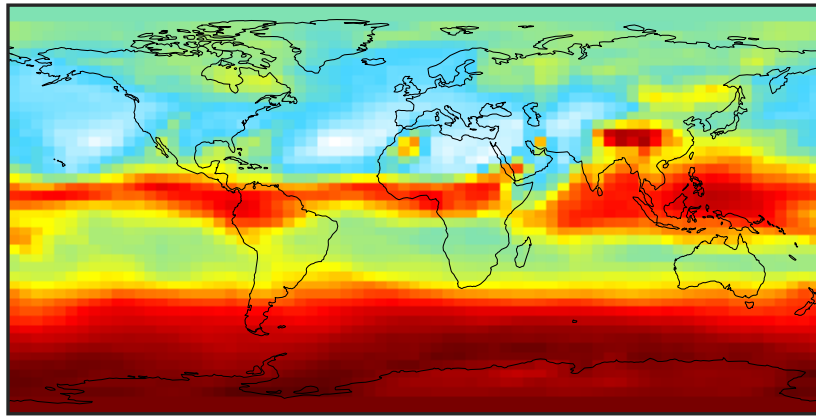
Ratio  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

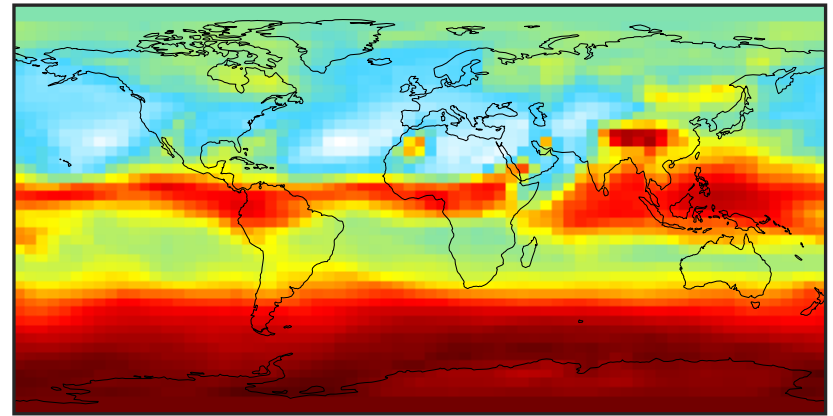
# SpeciesConcVV\_HCFCs (Jul2019)

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



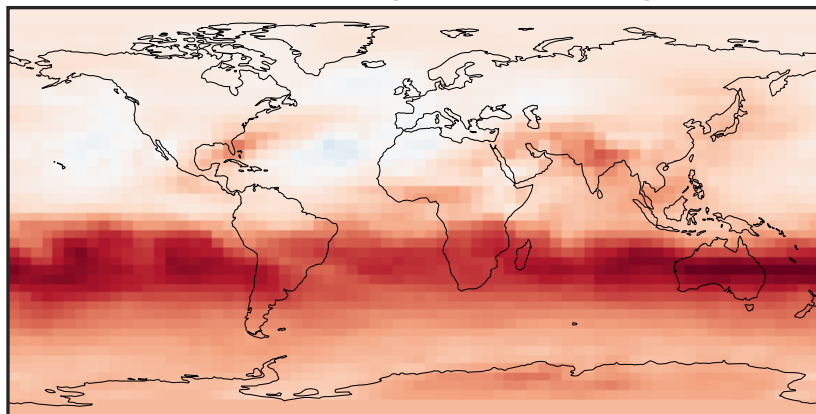
0.294 0.295 0.296 0.297  
ppb

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



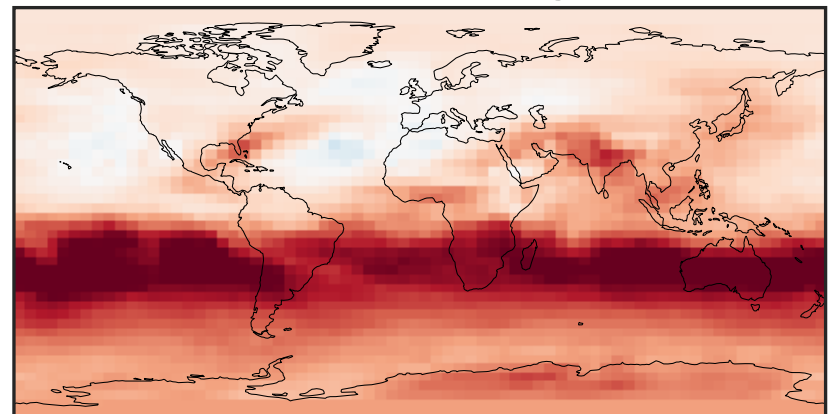
0.294 0.295 0.296 0.297  
ppb

Difference  
Dev - Ref, Dynamic Range



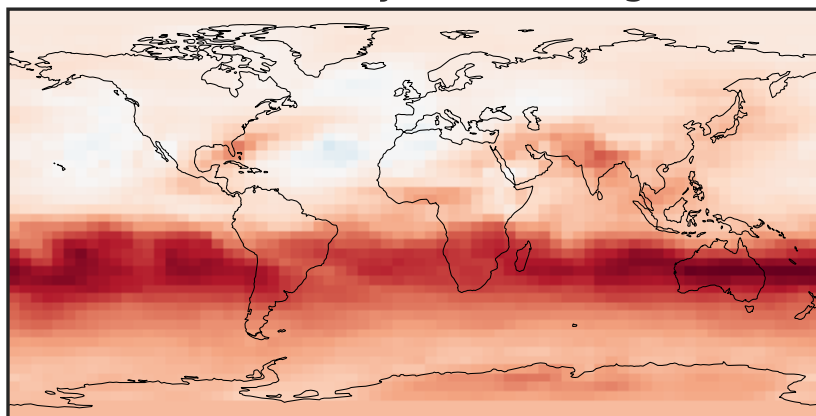
-3 0 3  
ppb  $1e-5$

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



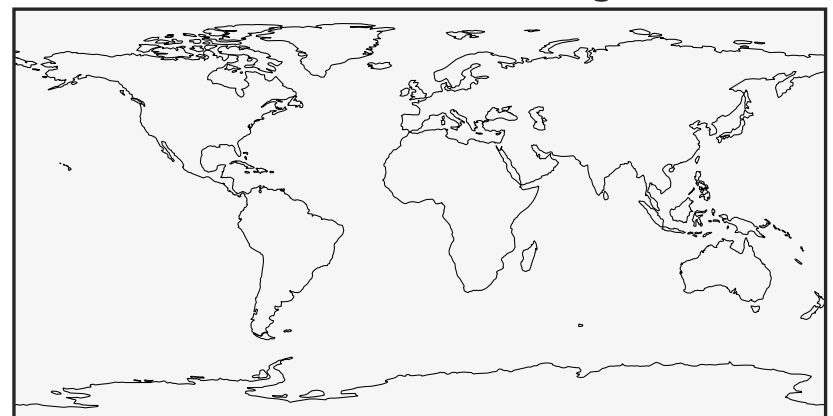
-2.5 0.0 2.5  
ppb  $1e-5$

Ratio  
Dev/Ref, Dynamic Range



0.9997979 1.0000000 1.0002022  
unitless

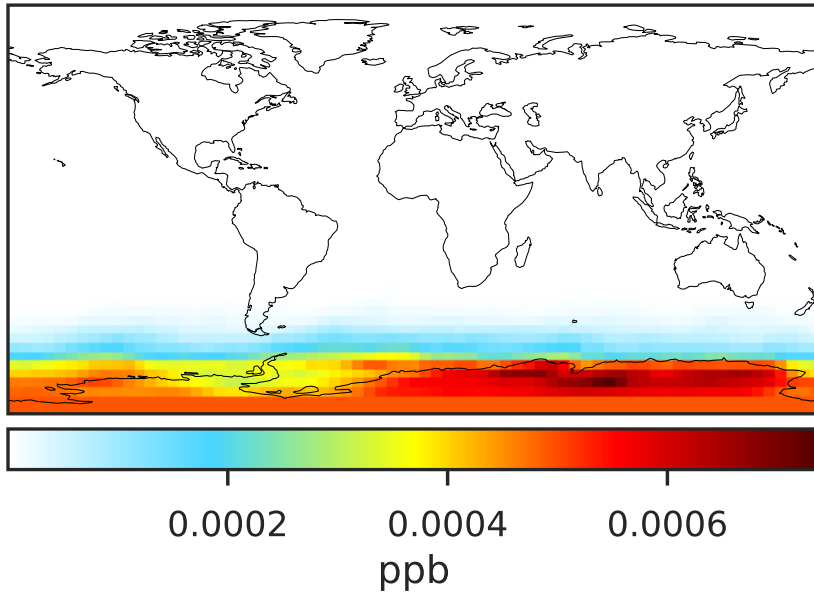
Ratio  
Dev/Ref, Fixed Range



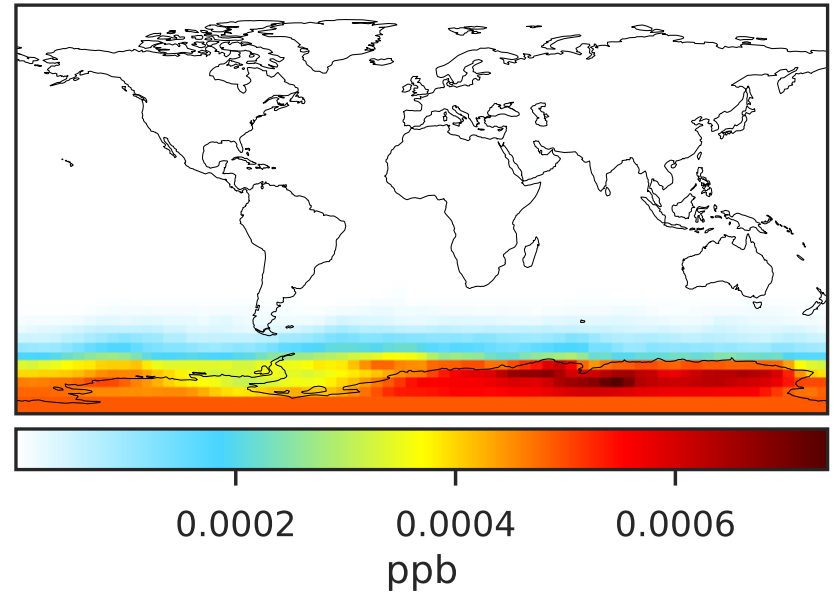
0.50 0.75 1.00 1.50 2.00  
unitless

# SpeciesConcVV\_OCIO (Jul2019)

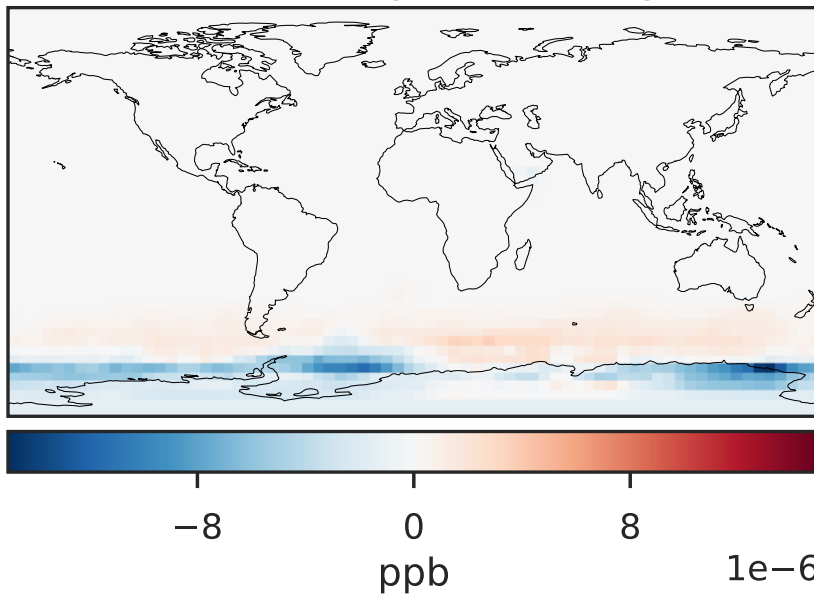
14.2.0-rc.2 (Ref)  
4.0x5.0



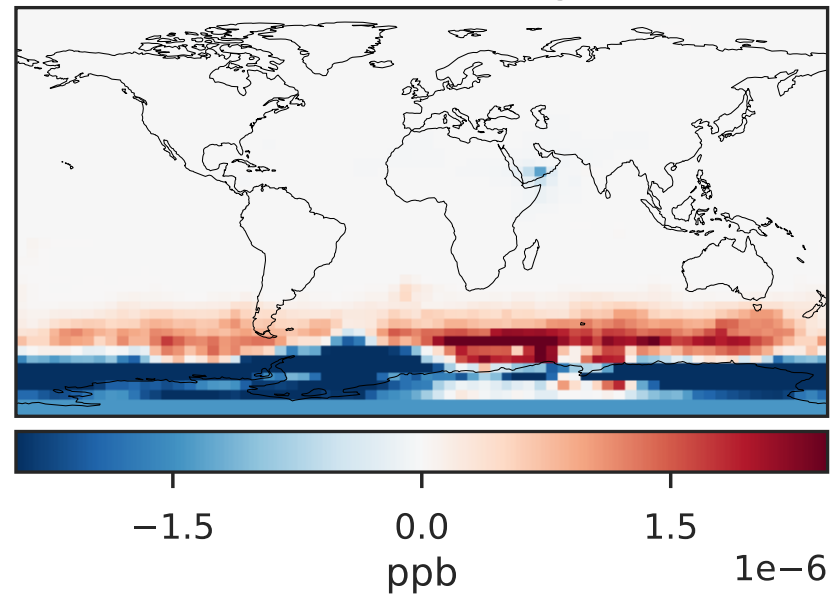
14.3.0-rc.0 (Dev)  
4.0x5.0



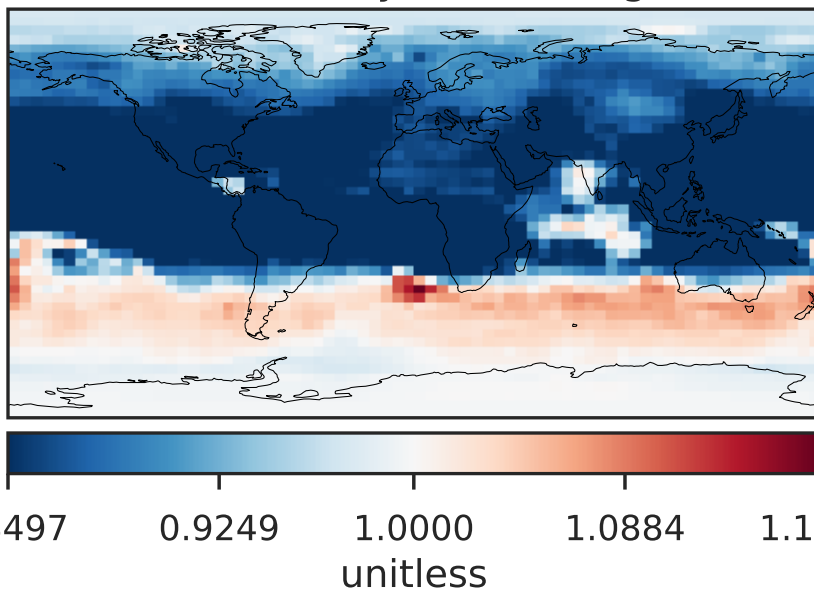
Difference  
Dev - Ref, Dynamic Range



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



Ratio  
Dev/Ref, Dynamic Range



Ratio  
Dev/Ref, Fixed Range

