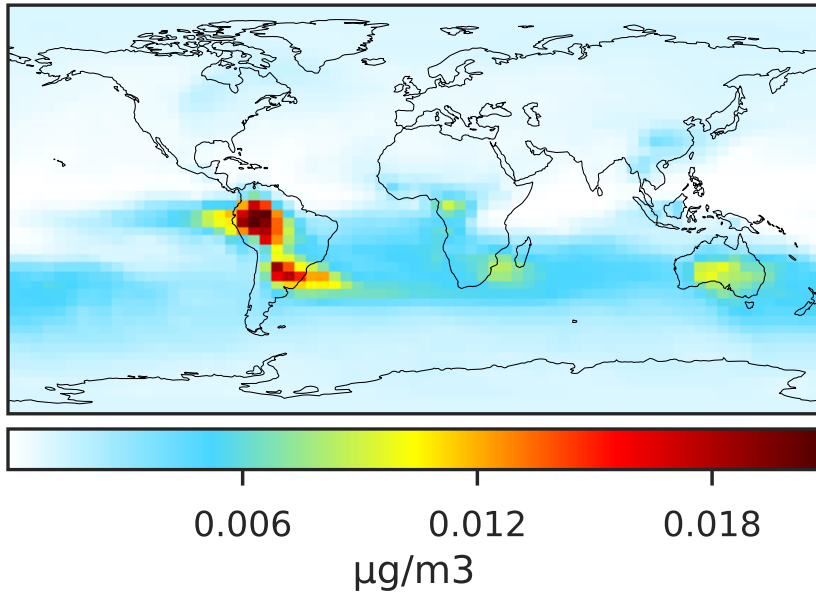
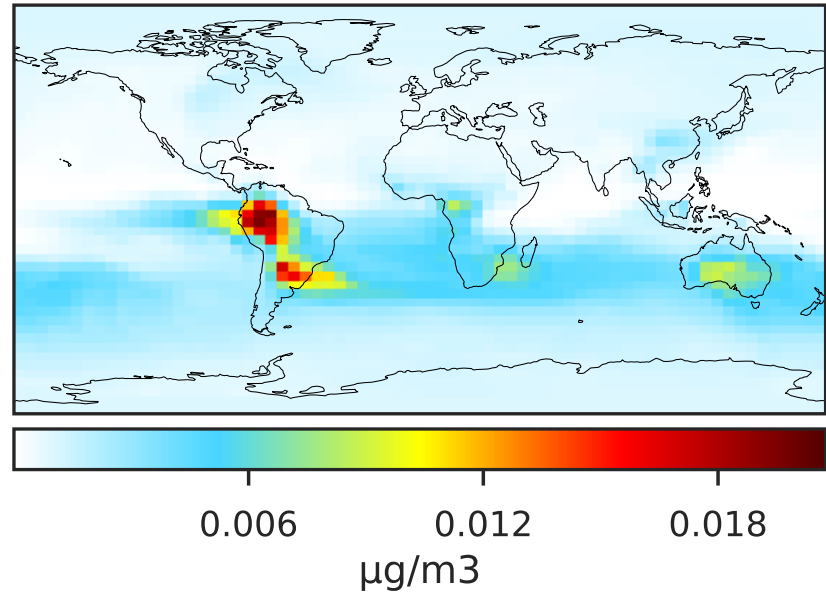


# SpeciesConcVV\_TSOA0 (Oct2019)

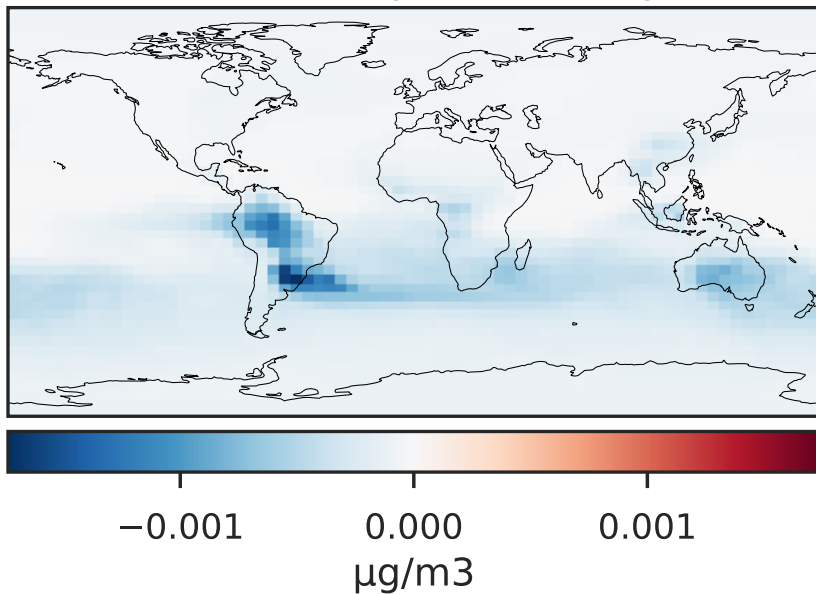
14.2.0-rc.2 (Ref)  
4.0x5.0



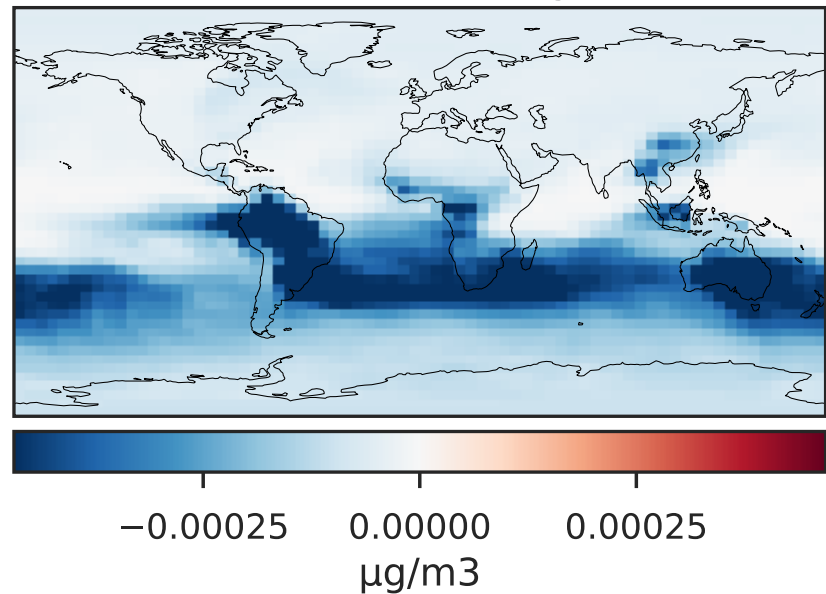
14.3.0-rc.0 (Dev)  
4.0x5.0



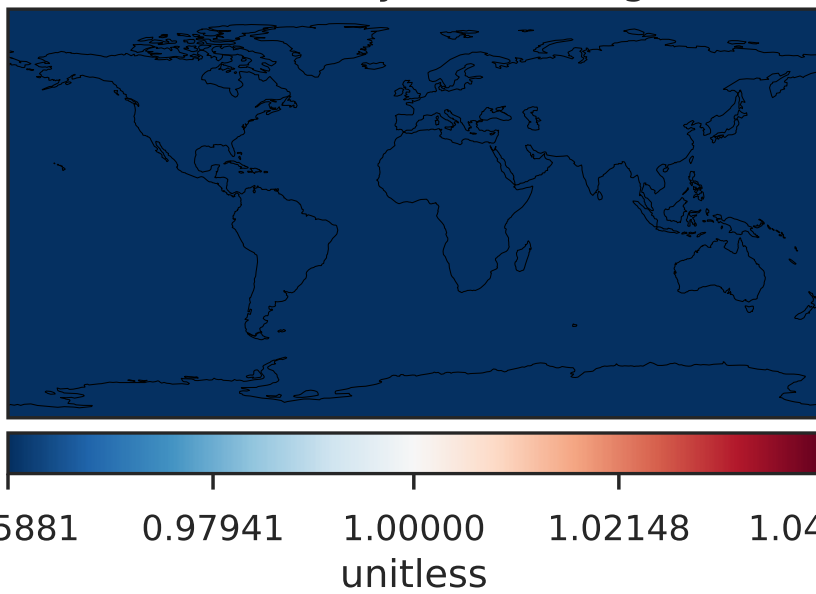
Difference  
Dev - Ref, Dynamic Range



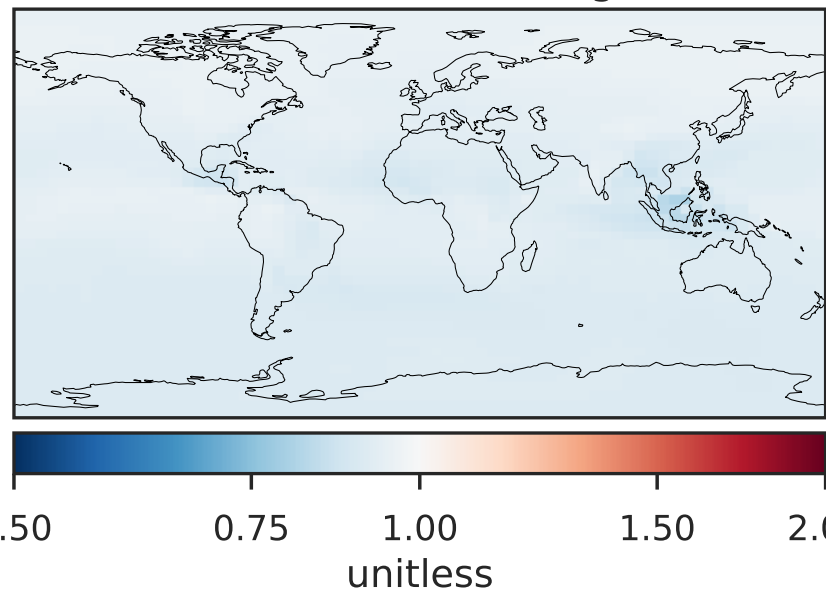
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

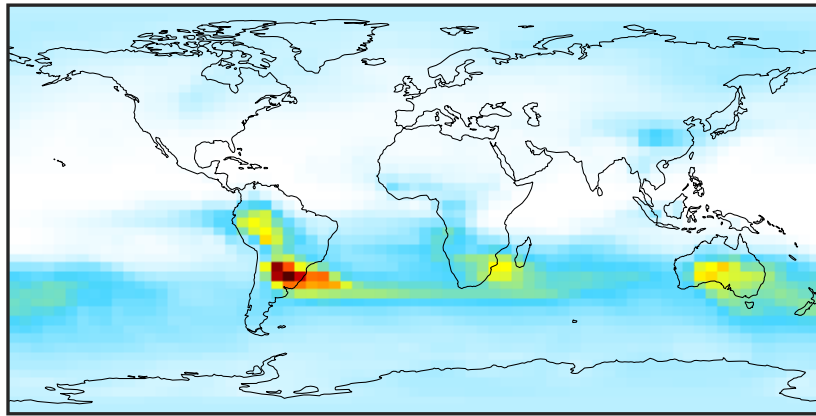


Ratio  
Dev/Ref, Fixed Range



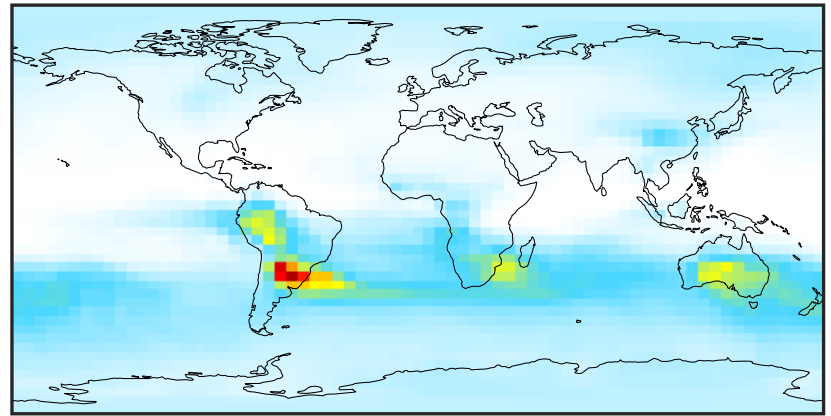
# SpeciesConcVV\_TSOA1 (Oct2019)

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



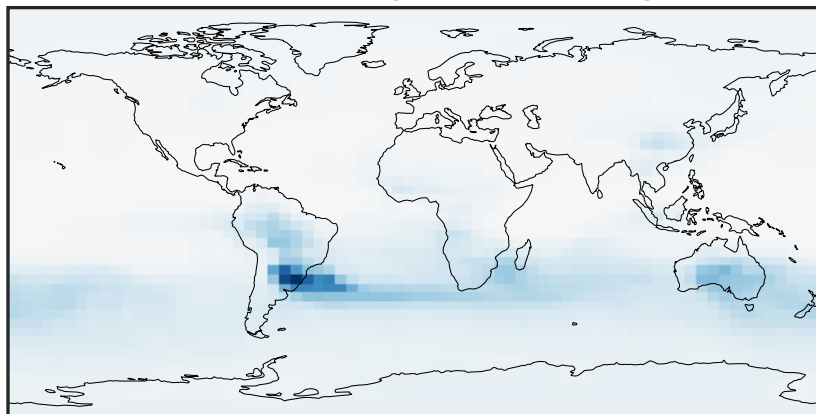
0.0015 0.0030 0.0045  
 $\mu\text{g}/\text{m}^3$

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



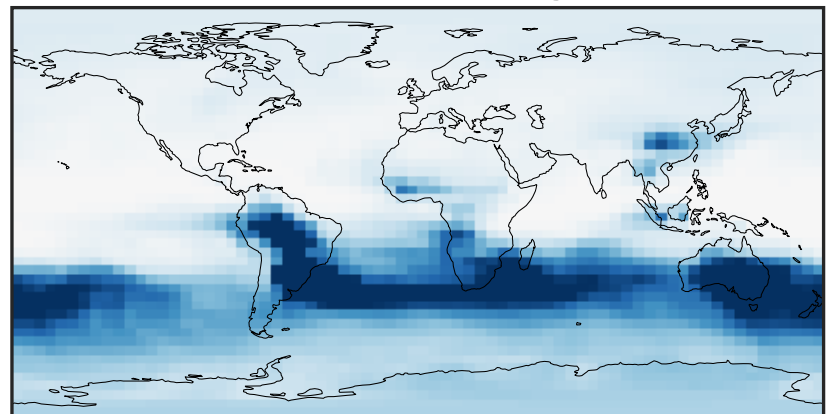
0.0015 0.0030 0.0045  
 $\mu\text{g}/\text{m}^3$

Difference  
Dev - Ref, Dynamic Range



-0.0004 0.0000 0.0004  
 $\mu\text{g}/\text{m}^3$

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



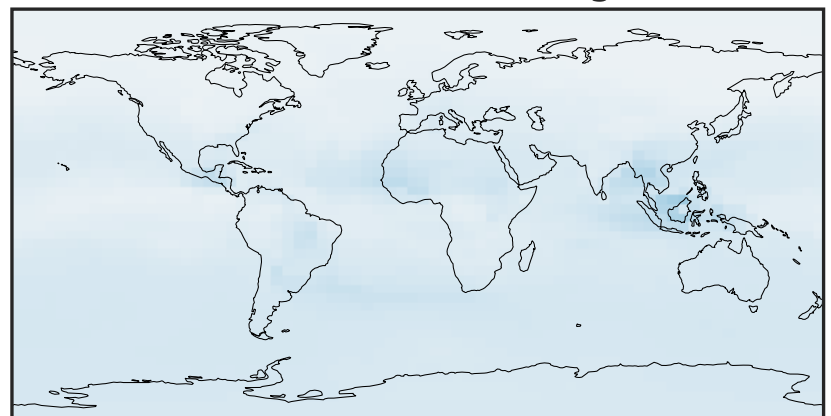
-0.0001 0.0000 0.0001  
 $\mu\text{g}/\text{m}^3$

Ratio  
Dev/Ref, Dynamic Range



0.96355 0.98177 1.00000 1.01892 1.03783  
unitless

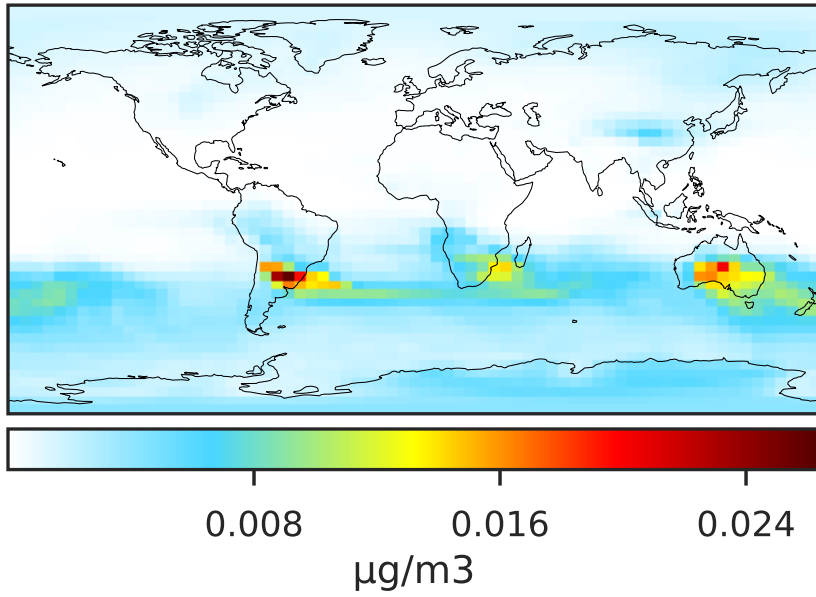
Ratio  
Dev/Ref, Fixed Range



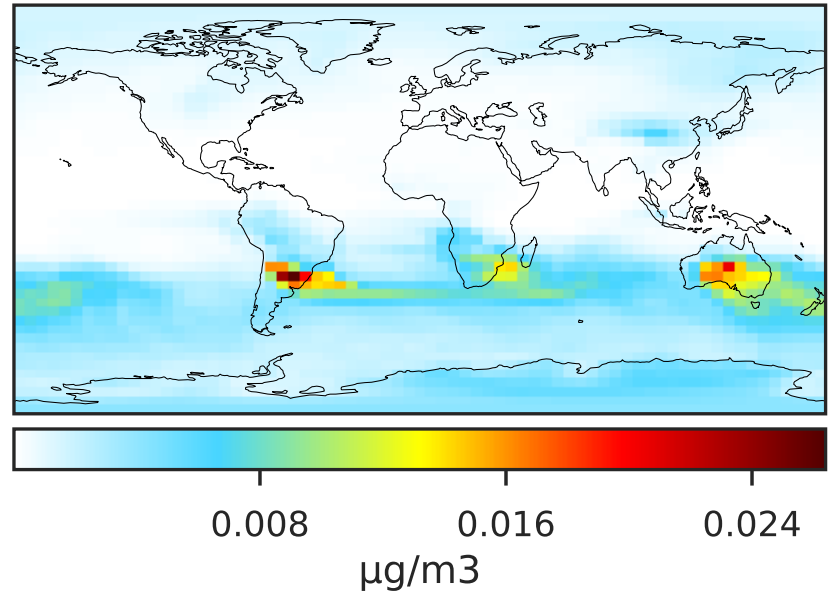
0.50 0.75 1.00 1.50 2.00  
unitless

# SpeciesConcVV\_TSOA2 (Oct2019)

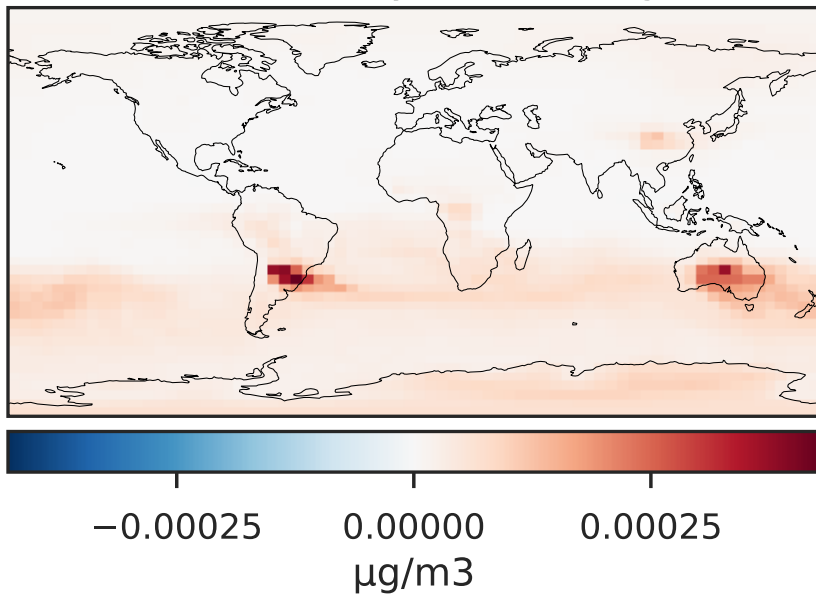
14.2.0-rc.2 (Ref)  
4.0x5.0



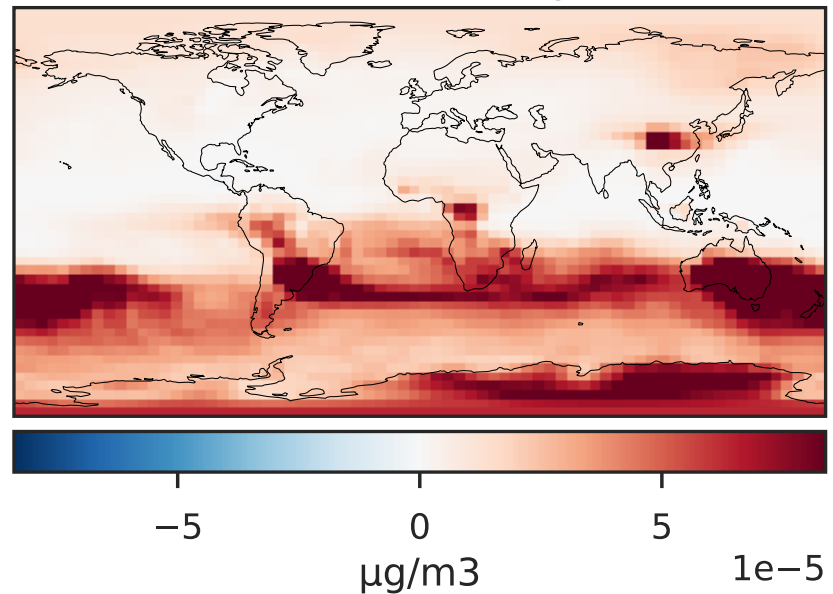
14.3.0-rc.0 (Dev)  
4.0x5.0



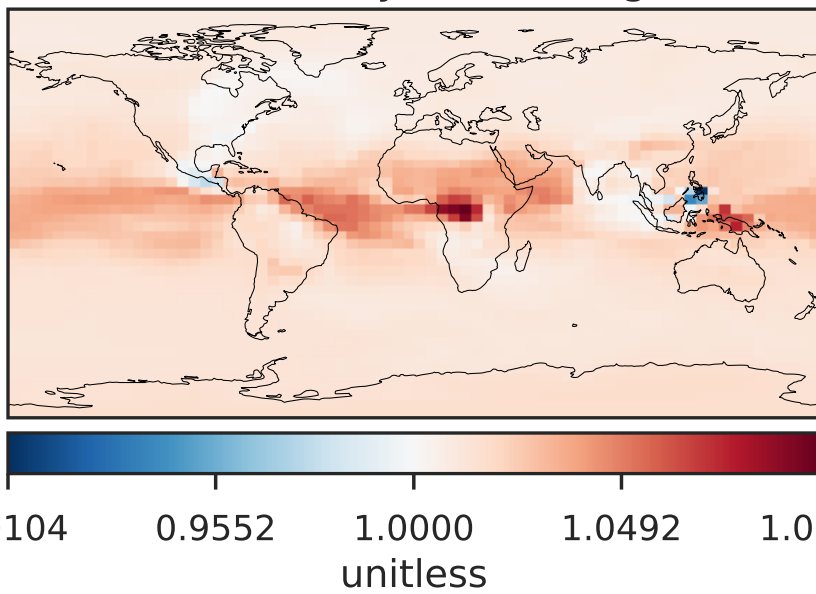
Difference  
Dev - Ref, Dynamic Range



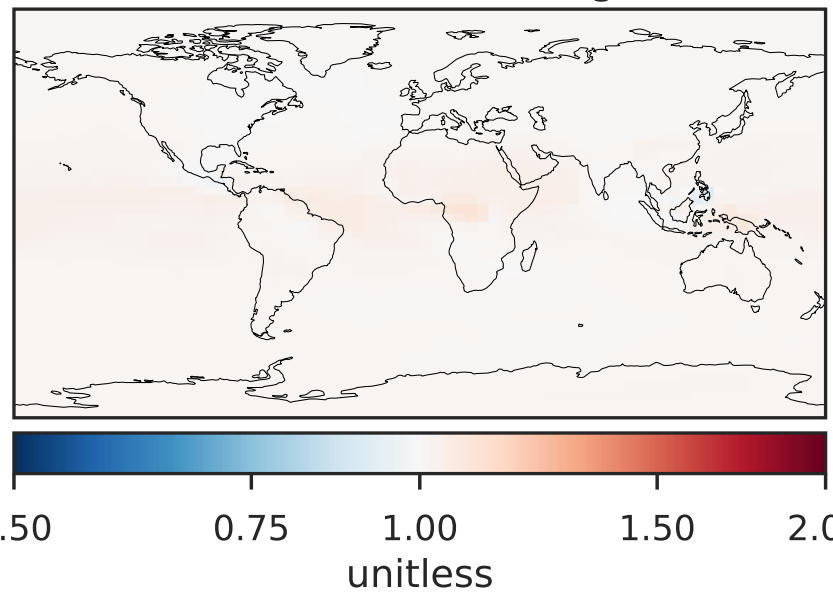
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

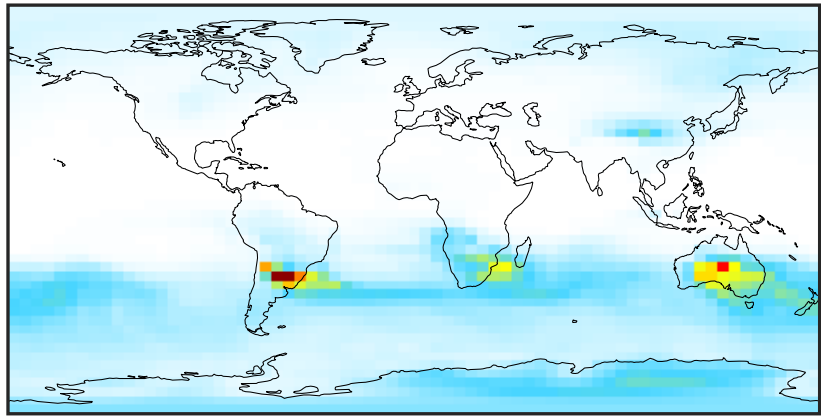


Ratio  
Dev/Ref, Fixed Range



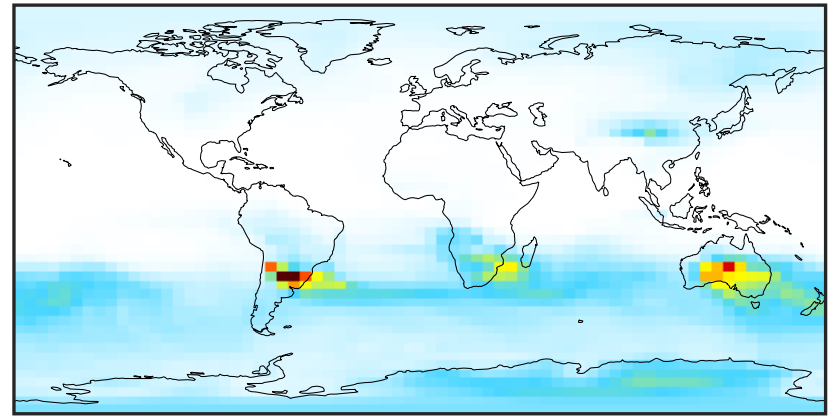
# SpeciesConcVV\_TSOA3 (Oct2019)

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



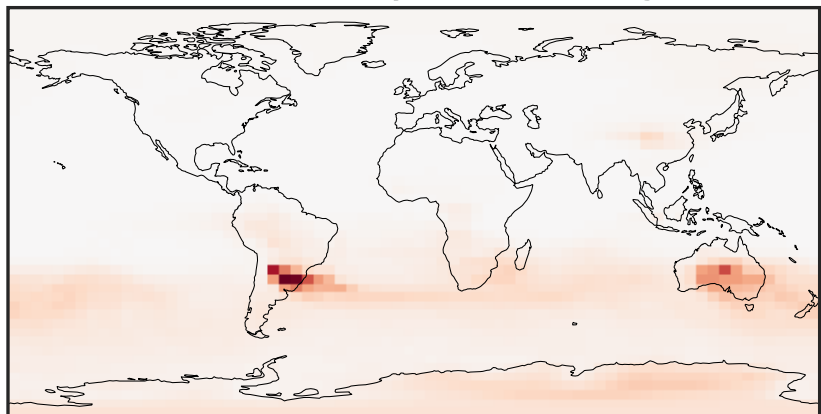
0.0025 0.0050 0.0075  
 $\mu\text{g}/\text{m}^3$

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



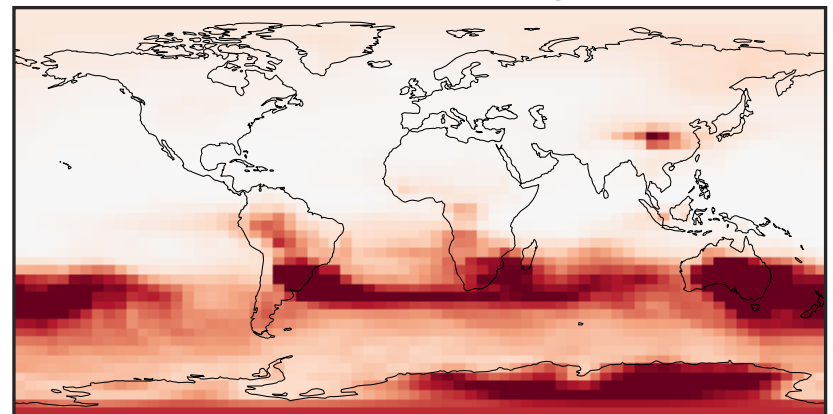
0.0025 0.0050 0.0075  
 $\mu\text{g}/\text{m}^3$

Difference  
Dev - Ref, Dynamic Range



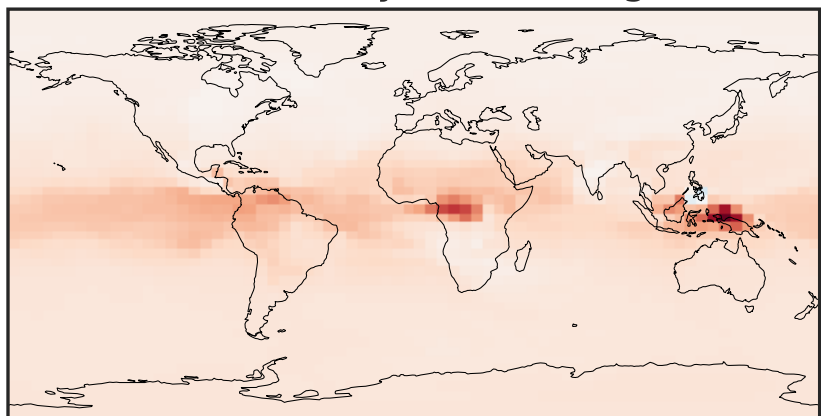
-0.0004 0.0000 0.0004  
 $\mu\text{g}/\text{m}^3$

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



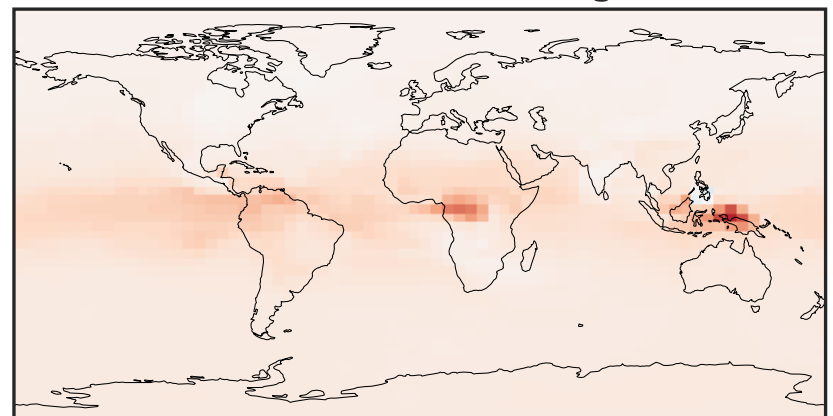
-6 0 6  
 $\mu\text{g}/\text{m}^3$   $1\text{e}-5$

Ratio  
Dev/Ref, Dynamic Range



0.588 0.794 1.000 1.350 1.701  
unitless

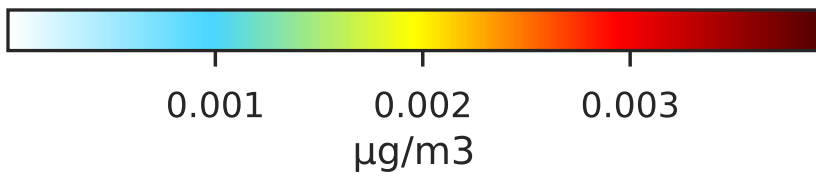
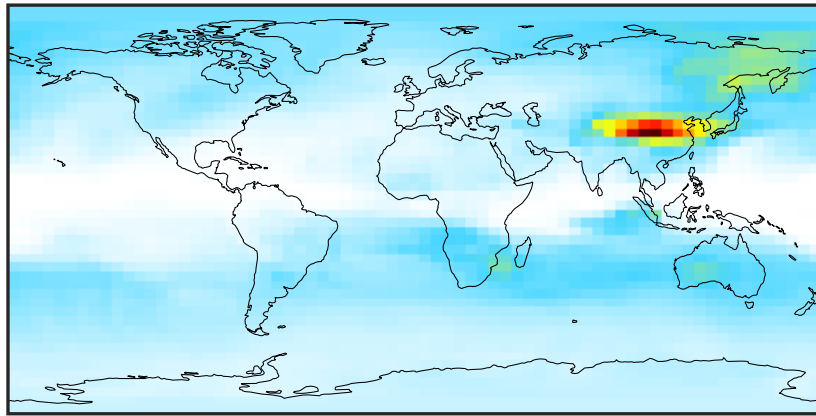
Ratio  
Dev/Ref, Fixed Range



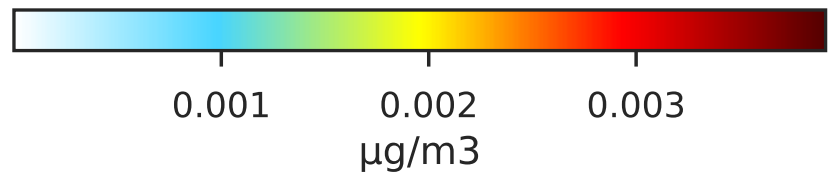
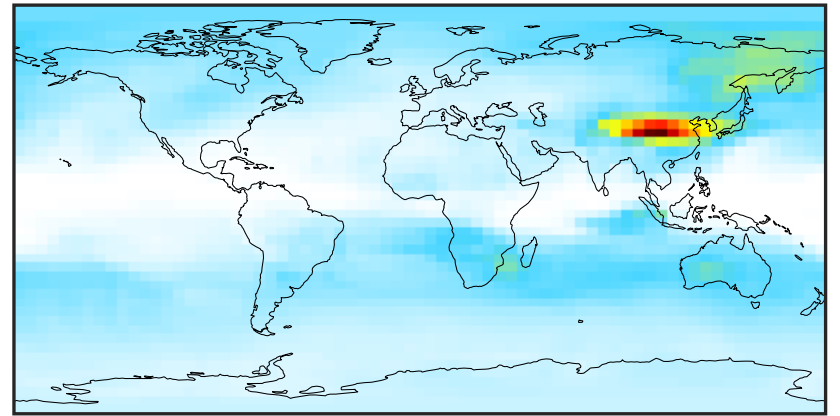
0.50 0.75 1.00 1.50 2.00  
unitless

# SpeciesConcVV\_ASOA1 (Oct2019)

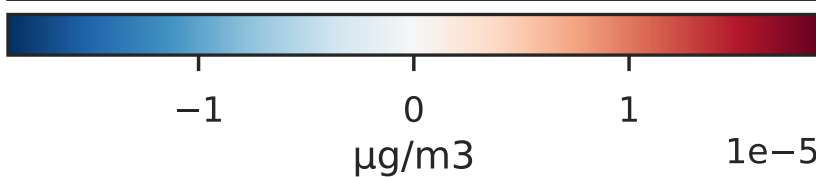
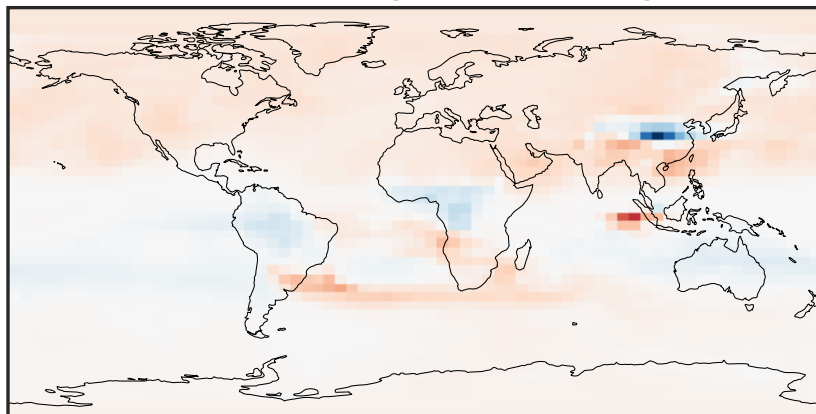
14.2.0-rc.2 (Ref)  
4.0x5.0



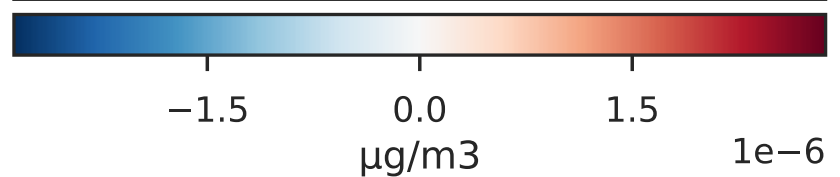
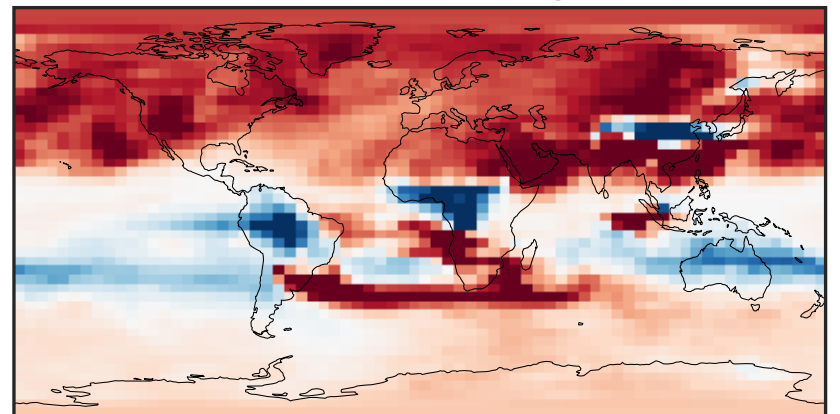
14.3.0-rc.0 (Dev)  
4.0x5.0



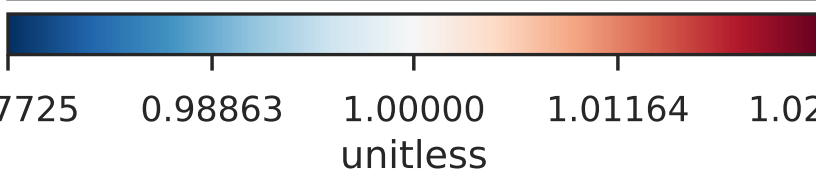
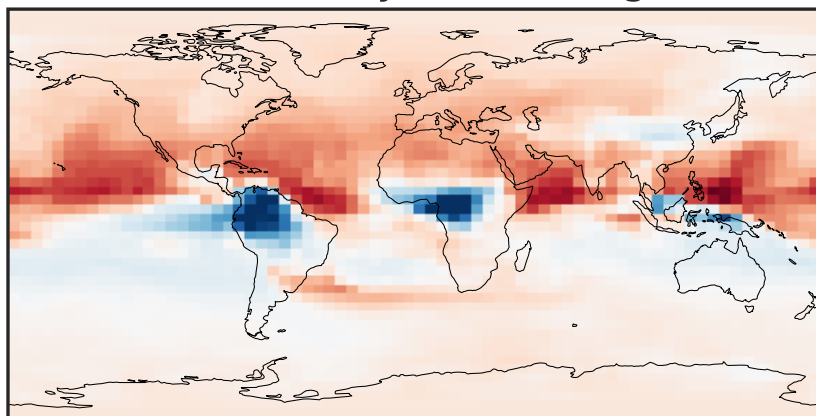
Difference  
Dev - Ref, Dynamic Range



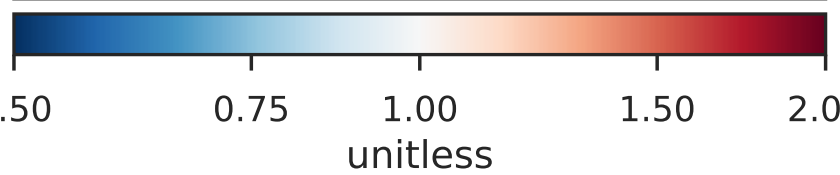
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



Ratio  
Dev/Ref, Fixed Range

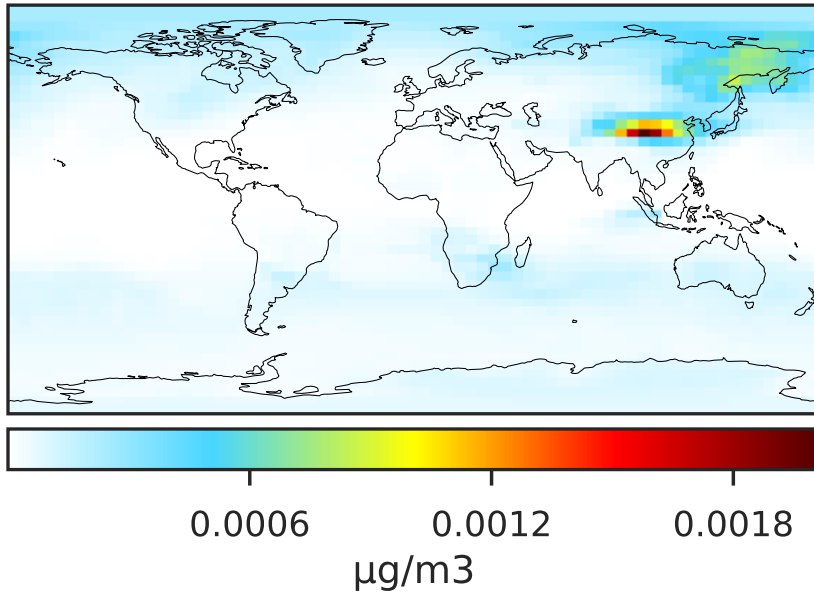


0.97725 0.98863 1.00000 1.01164 1.02328  
unitless

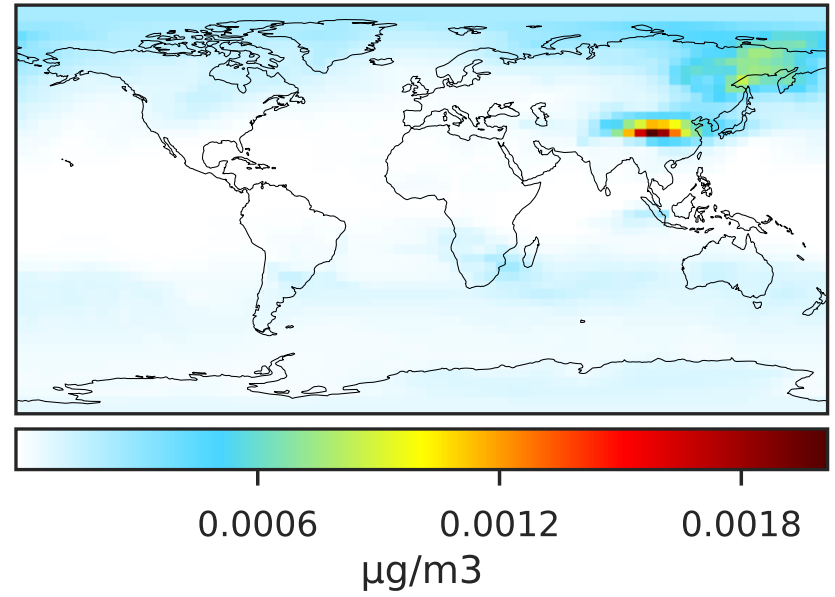
0.50 0.75 1.00 1.50 2.00  
unitless

# SpeciesConcVV\_ASOA2 (Oct2019)

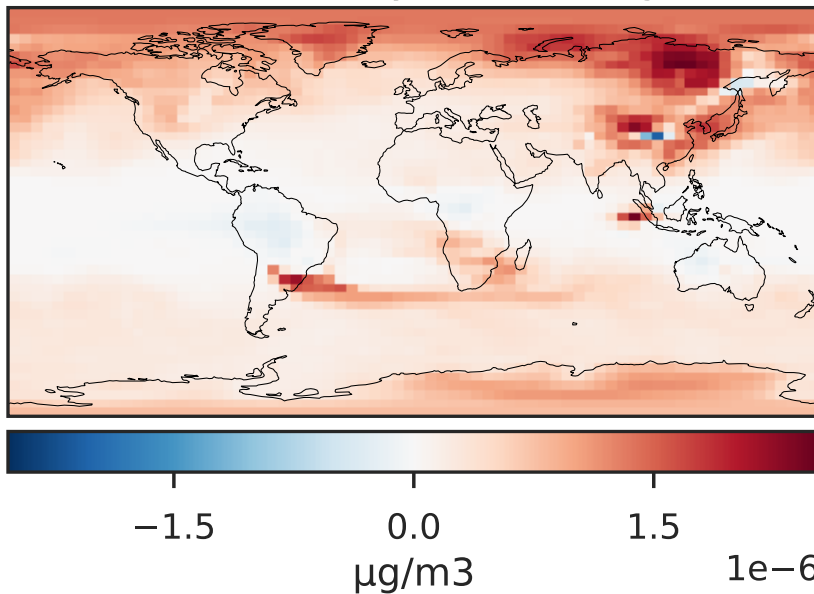
14.2.0-rc.2 (Ref)  
4.0x5.0



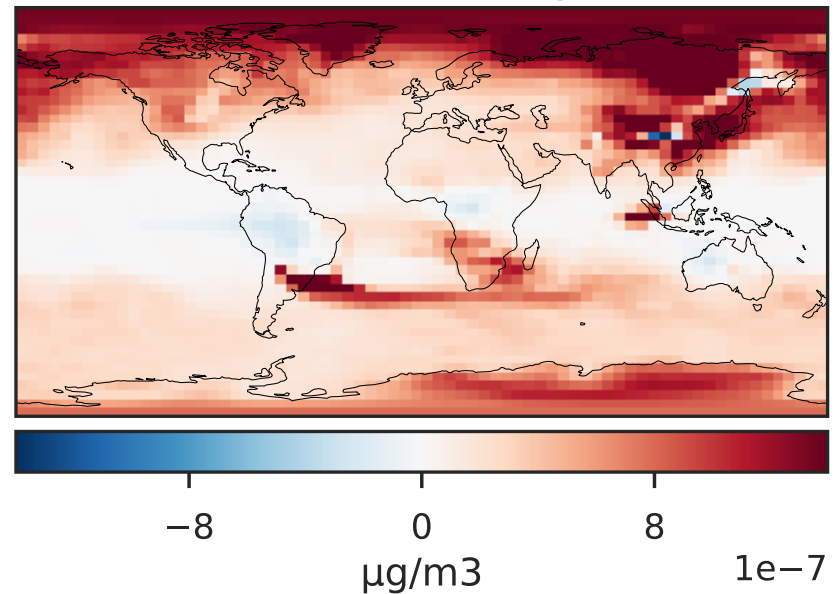
14.3.0-rc.0 (Dev)  
4.0x5.0



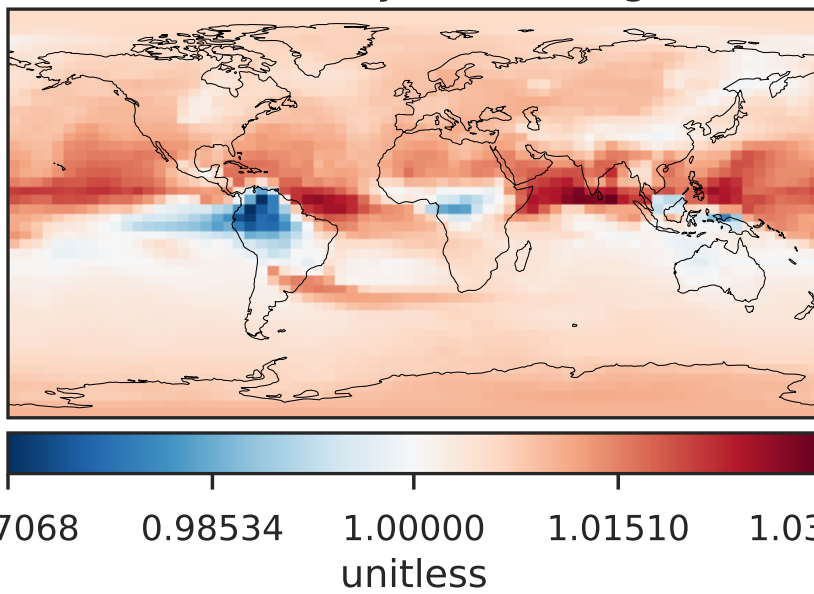
Difference  
Dev - Ref, Dynamic Range



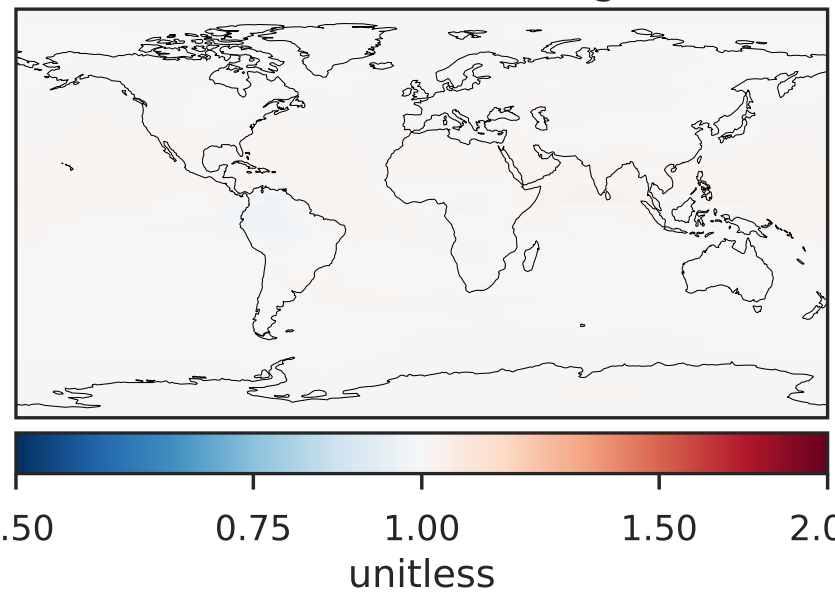
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

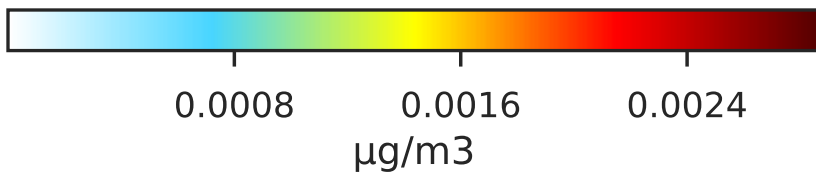
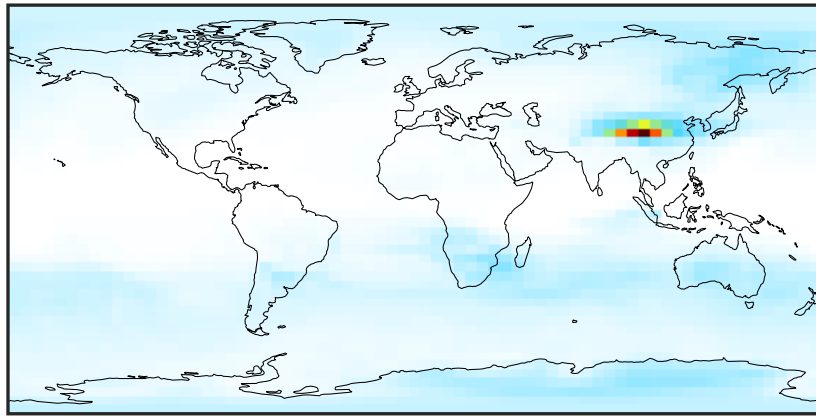


Ratio  
Dev/Ref, Fixed Range

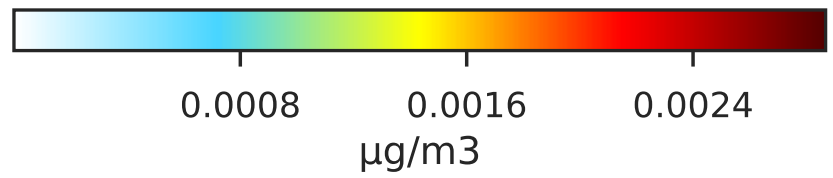
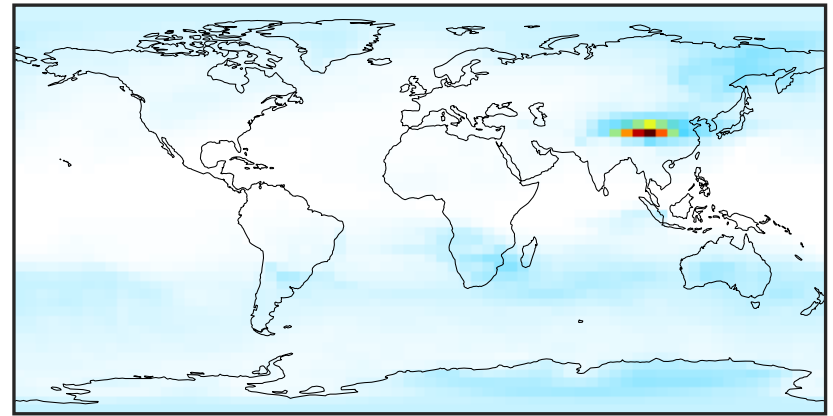


# SpeciesConcVV\_ASOA3 (Oct2019)

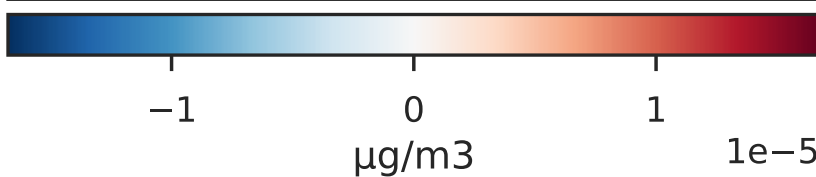
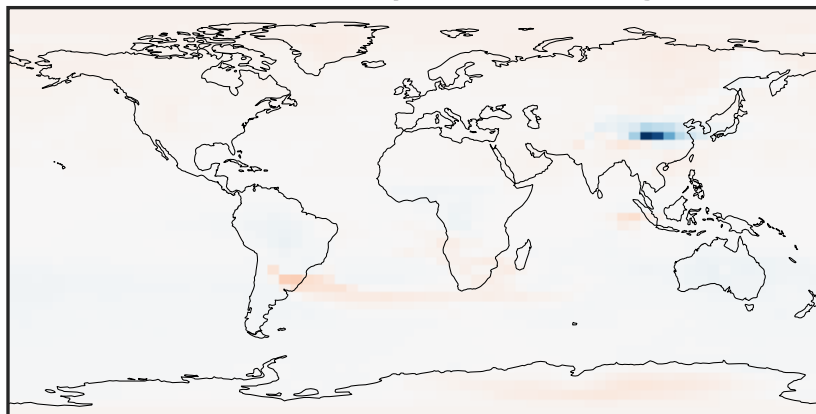
14.2.0-rc.2 (Ref)  
4.0x5.0



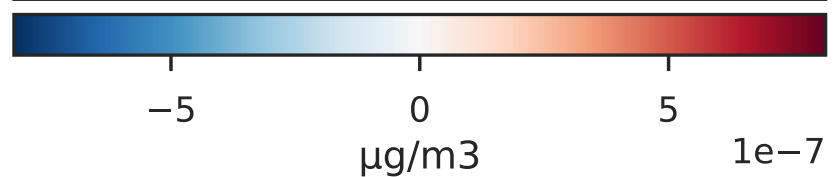
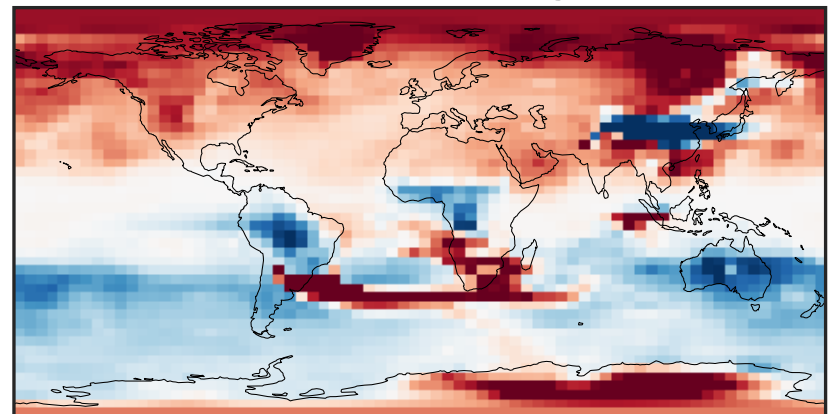
14.3.0-rc.0 (Dev)  
4.0x5.0



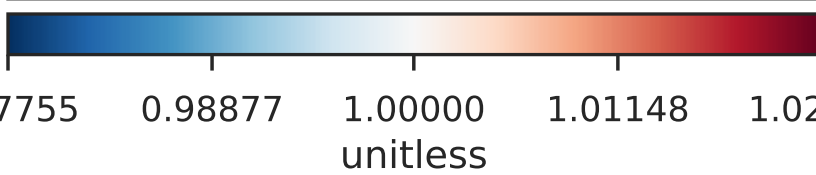
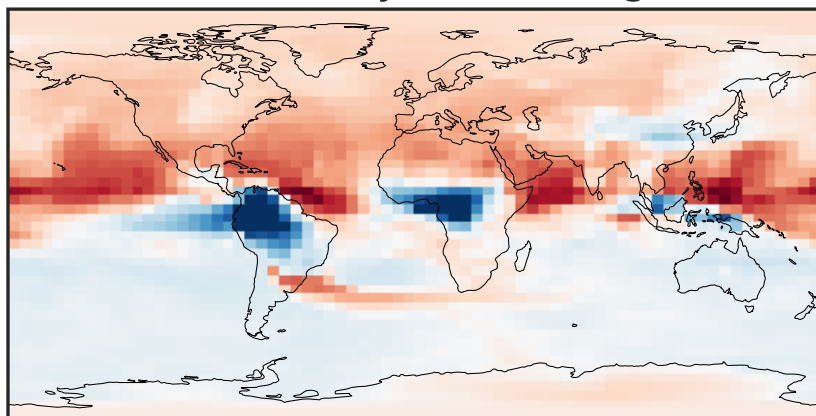
Difference  
Dev - Ref, Dynamic Range



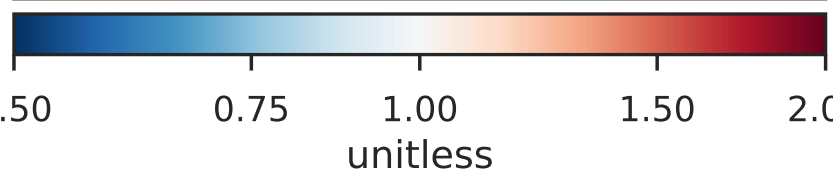
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

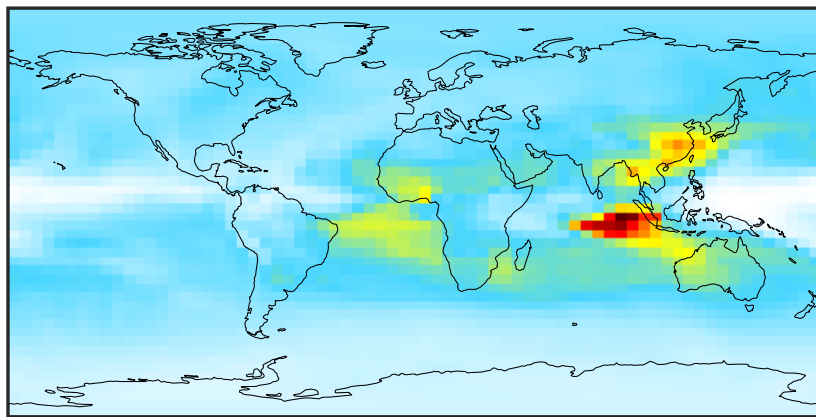


Ratio  
Dev/Ref, Fixed Range



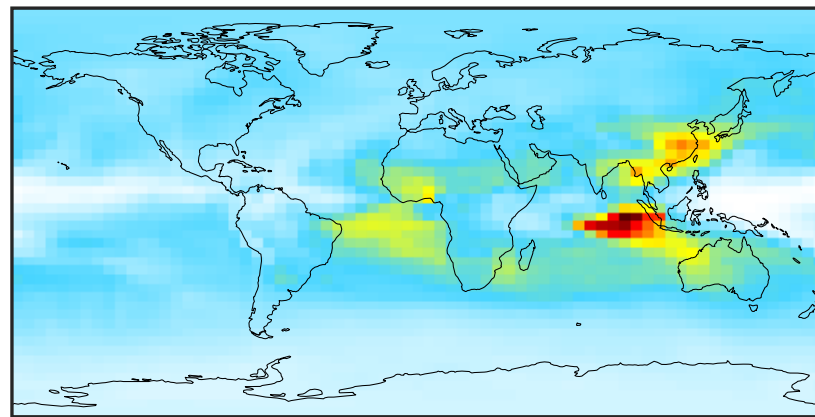
# SpeciesConcVV\_ASOAN (Oct2019)

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



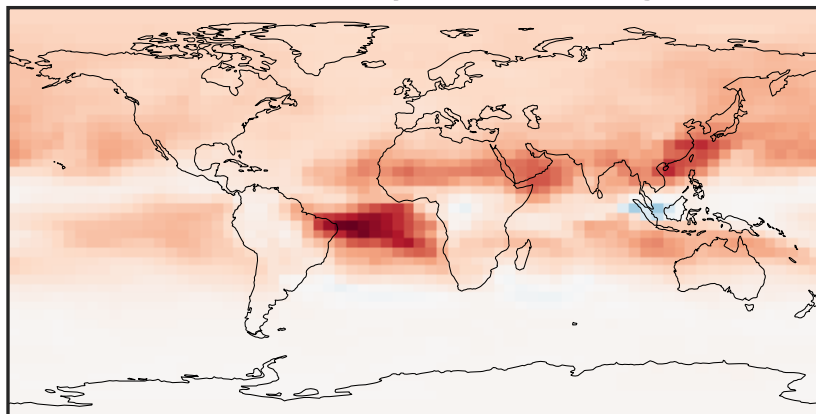
0.006 0.012 0.018  
 $\mu\text{g}/\text{m}^3$

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



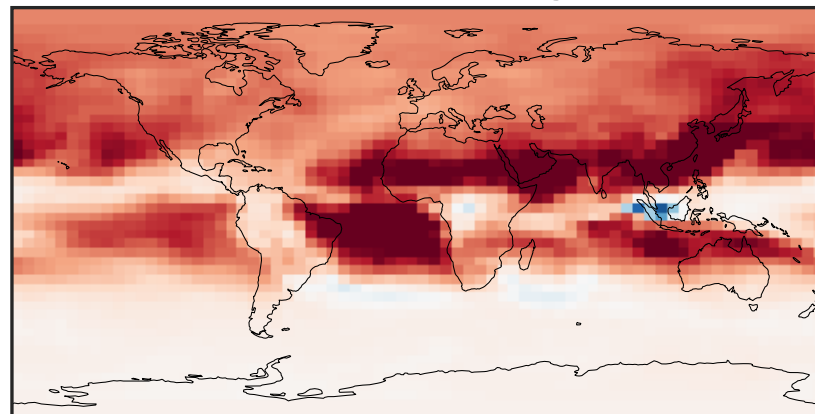
0.006 0.012 0.018  
 $\mu\text{g}/\text{m}^3$

Difference  
Dev - Ref, Dynamic Range



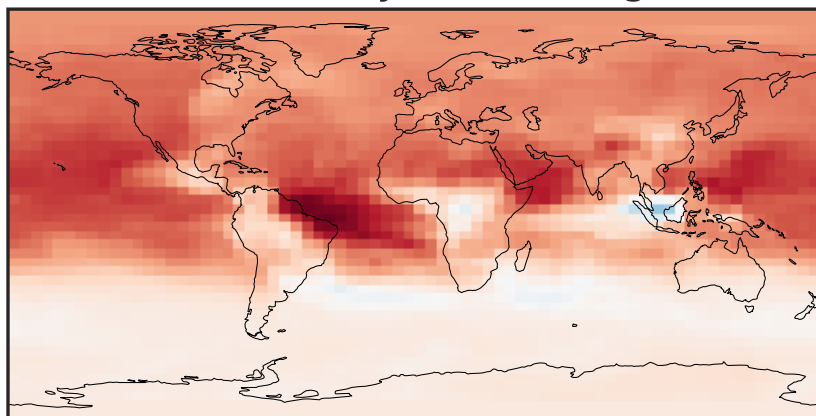
-0.0002 0.0000 0.0002  
 $\mu\text{g}/\text{m}^3$

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



-0.0001 0.0000 0.0001  
 $\mu\text{g}/\text{m}^3$

Ratio  
Dev/Ref, Dynamic Range



0.95999 0.98000 1.00000 1.02084 1.04167  
unitless

Ratio  
Dev/Ref, Fixed Range

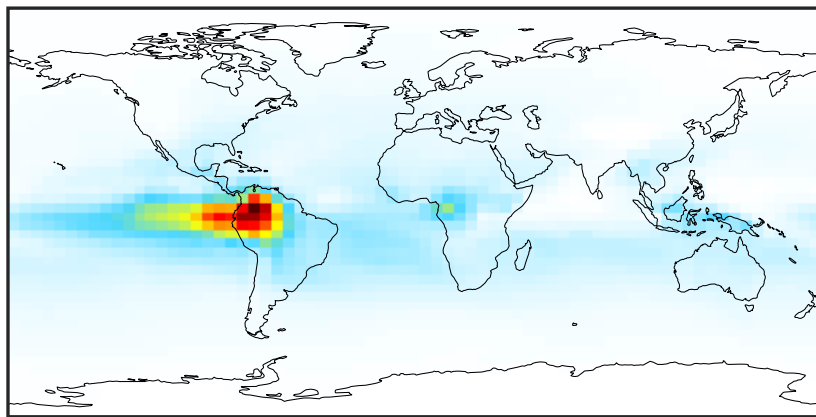


0.50 0.75 1.00 1.50 2.00  
unitless



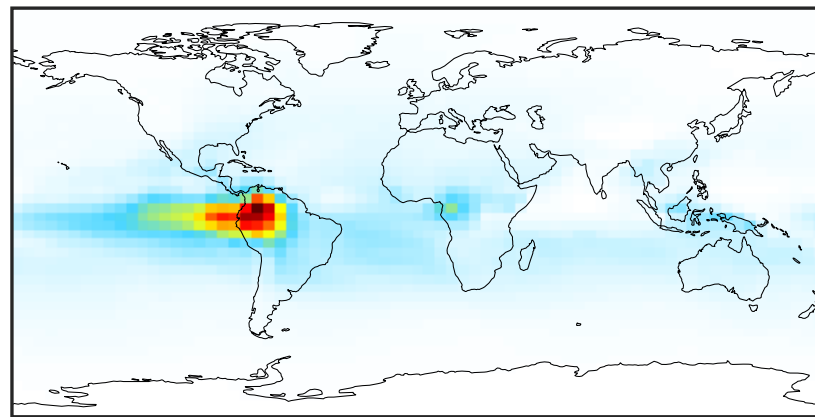
# SpeciesConcVV\_TSOG0 (Oct2019)

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



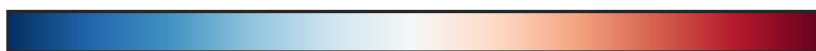
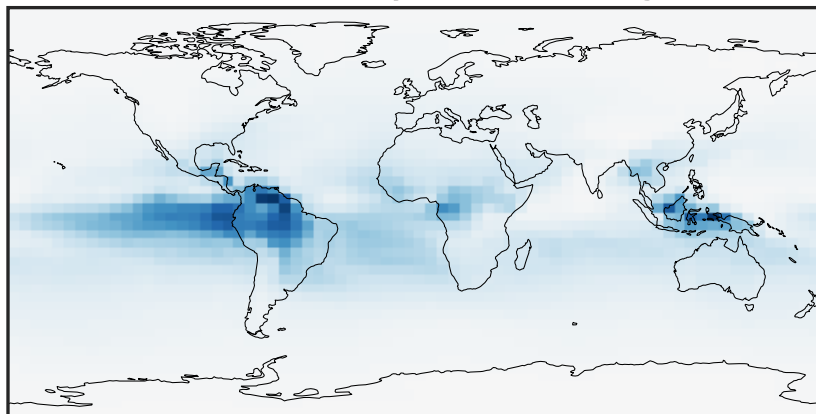
0.003 0.006 0.009  
μg/m3

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



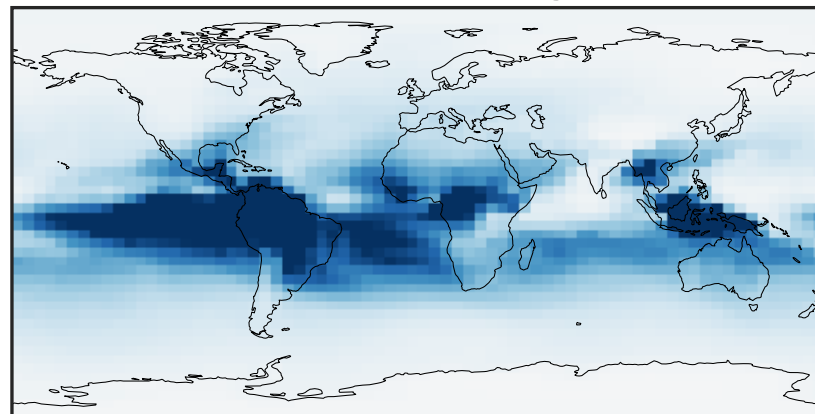
0.003 0.006 0.009  
μg/m3

Difference  
Dev - Ref, Dynamic Range



-0.0002 0.0000 0.0002  
μg/m3

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



-6 0 6  
μg/m3 1e-5

Ratio  
Dev/Ref, Dynamic Range



0.98436 0.99218 1.00000 1.00794 1.01589  
unitless

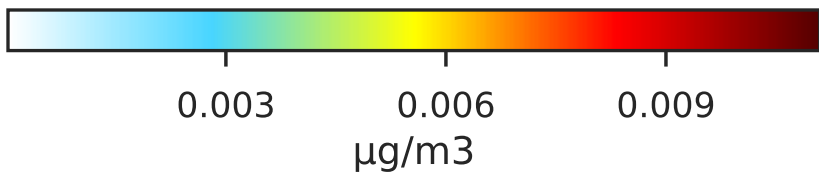
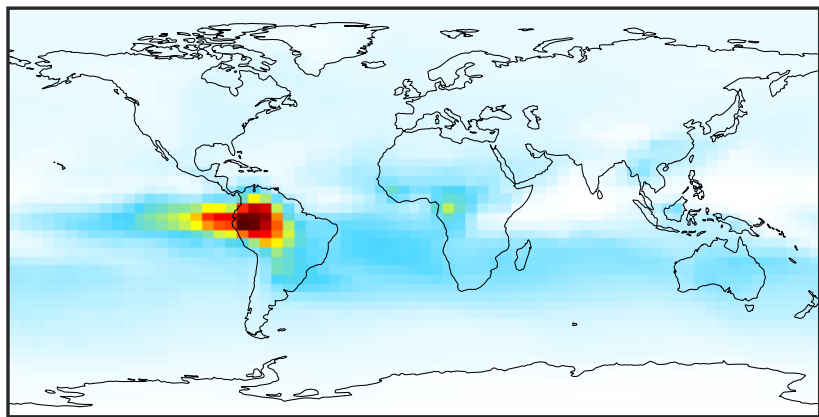
Ratio  
Dev/Ref, Fixed Range



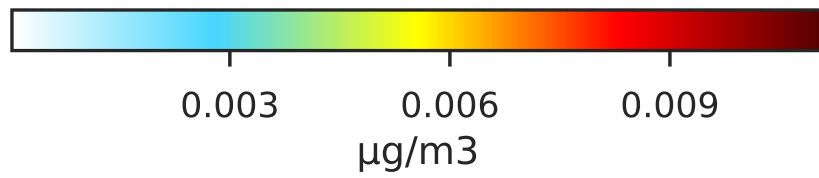
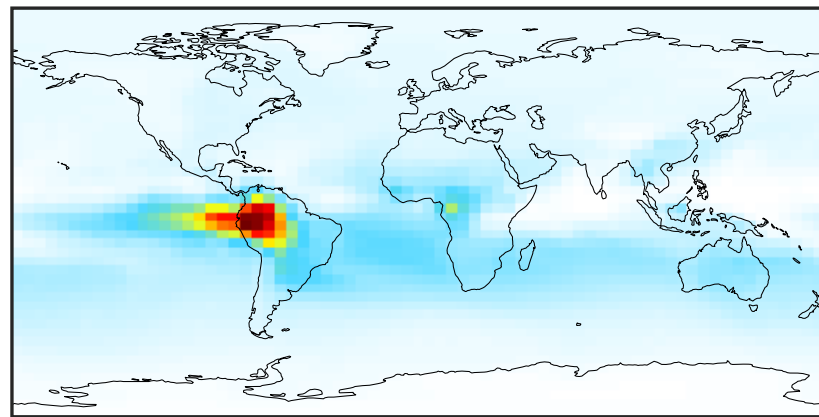
0.50 0.75 1.00 1.50 2.00  
unitless

# SpeciesConcVV\_TSOG1 (Oct2019)

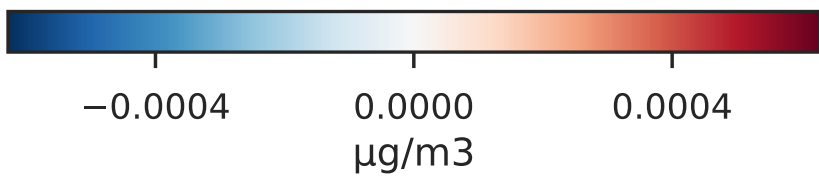
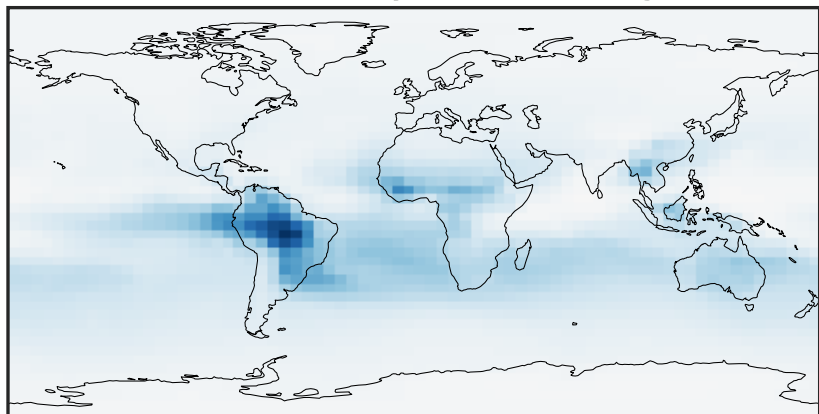
14.2.0-rc.2 (Ref)  
4.0x5.0



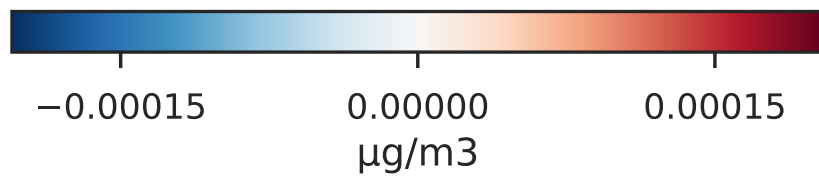
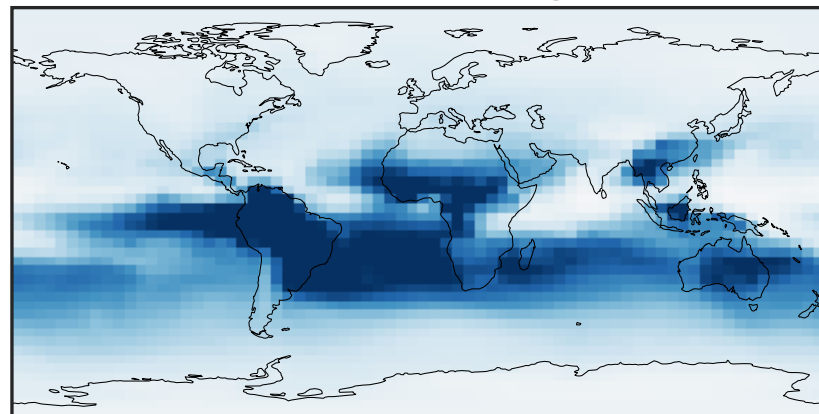
14.3.0-rc.0 (Dev)  
4.0x5.0



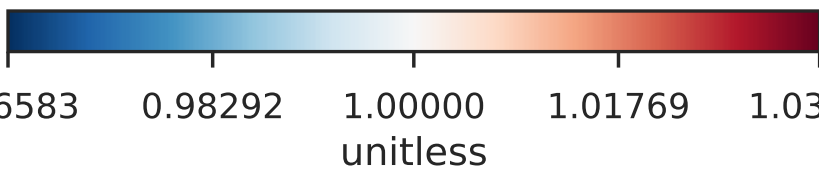
Difference  
Dev - Ref, Dynamic Range



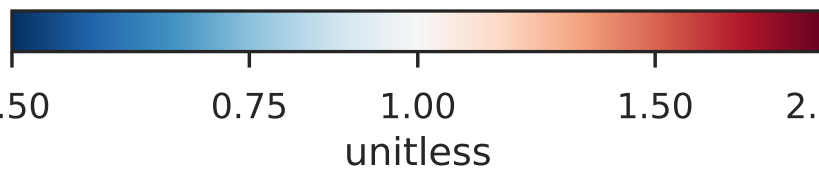
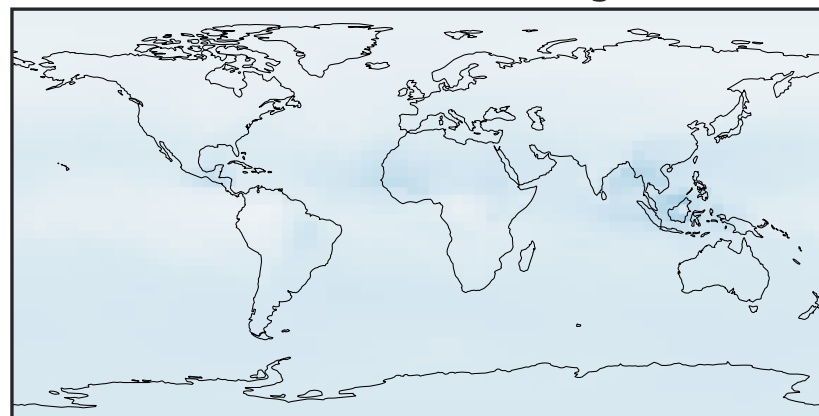
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

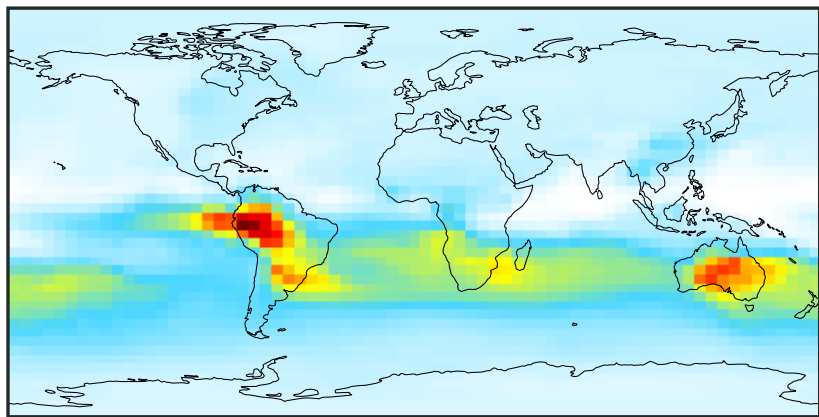


Ratio  
Dev/Ref, Fixed Range



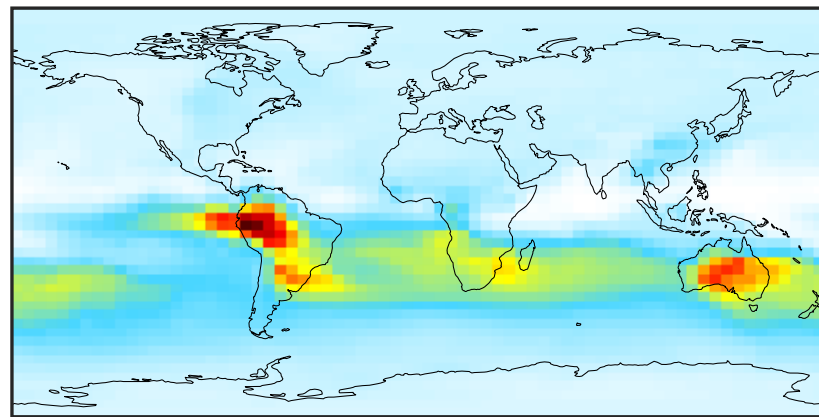
# SpeciesConcVV\_TSOG2 (Oct2019)

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



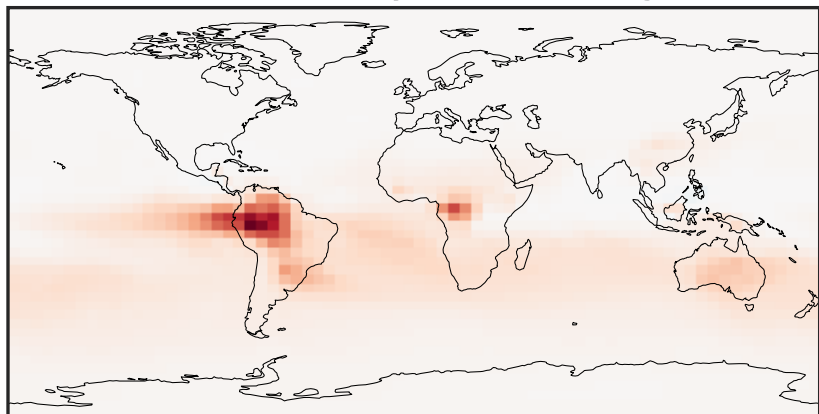
0.0004 0.0326 0.0648 0.0969 0.1291  
 $\mu\text{g}/\text{m}^3$

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



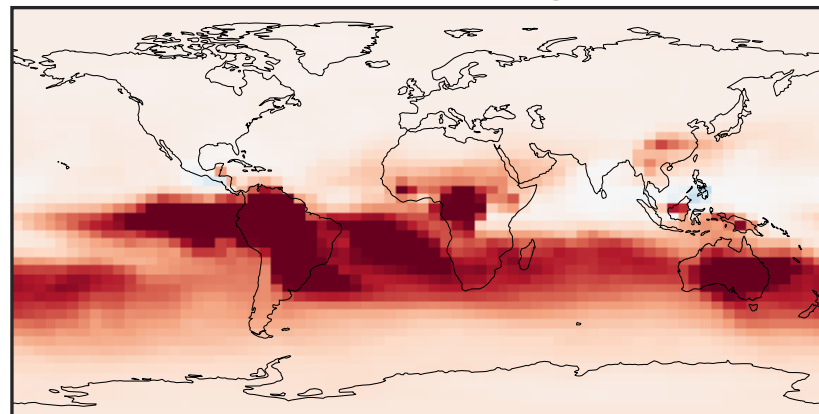
0.0004 0.0326 0.0648 0.0969 0.1291  
 $\mu\text{g}/\text{m}^3$

Difference  
Dev - Ref, Dynamic Range



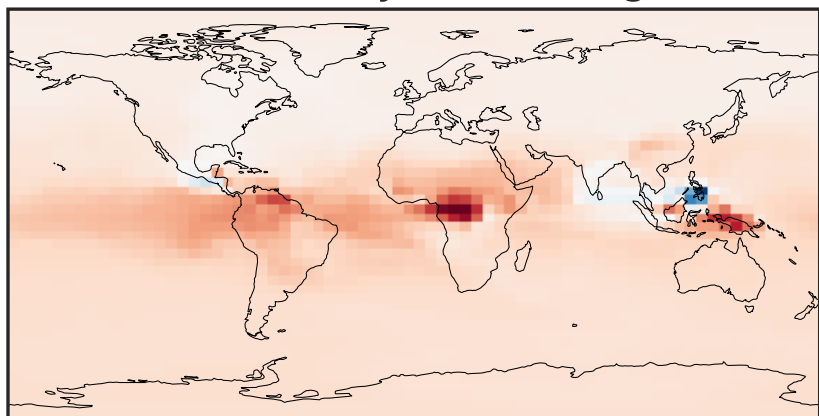
-0.004 0.000 0.004  
 $\mu\text{g}/\text{m}^3$

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



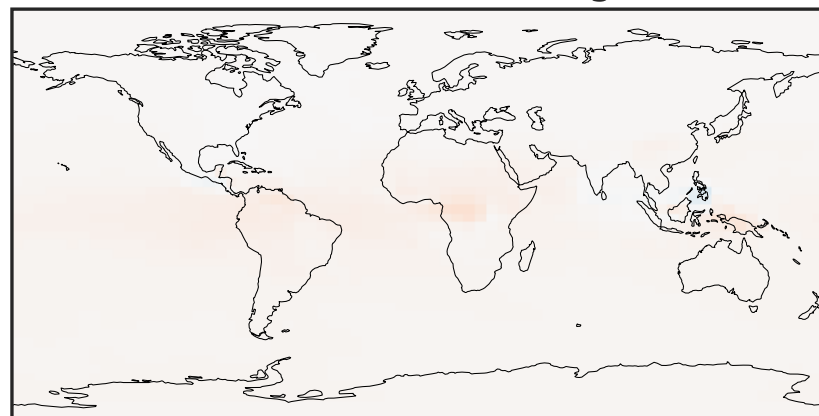
-0.0006 0.0000 0.0006  
 $\mu\text{g}/\text{m}^3$

Ratio  
Dev/Ref, Dynamic Range



0.9001 0.9500 1.0000 1.0555 1.1110  
unitless

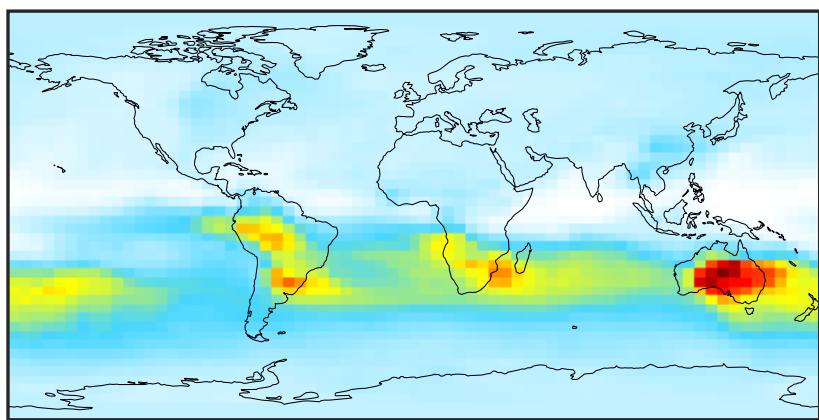
Ratio  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

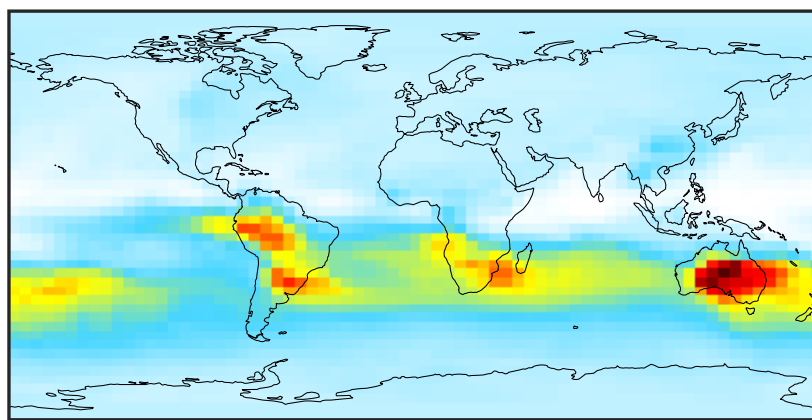
# SpeciesConcVV\_TSOG3 (Oct2019)

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



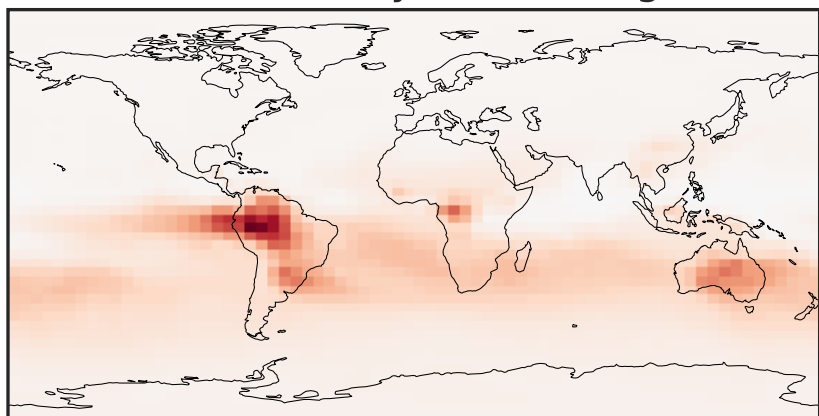
0.0008 0.0648 0.1288 0.1928 0.2569  
 $\mu\text{g}/\text{m}^3$

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



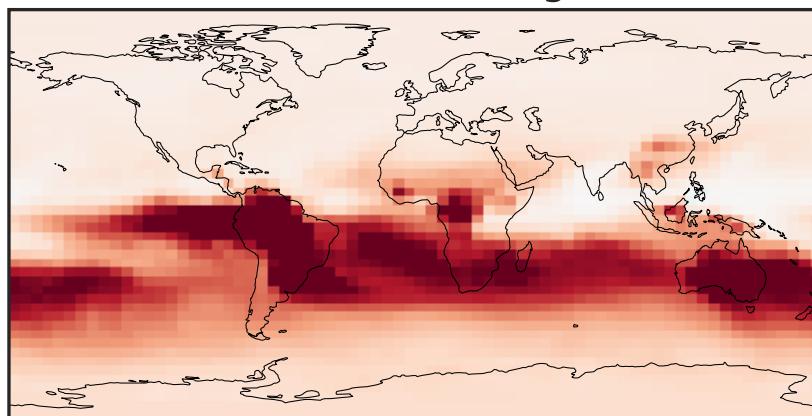
0.0008 0.0648 0.1288 0.1928 0.2569  
 $\mu\text{g}/\text{m}^3$

Difference  
Dev - Ref, Dynamic Range



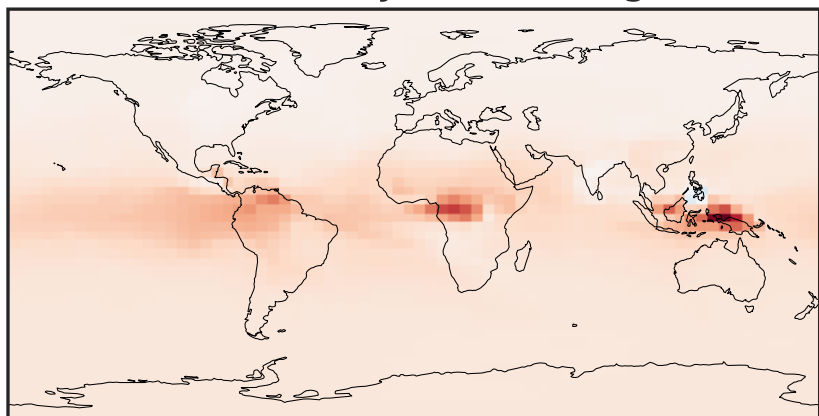
-0.02 0.00 0.02  
 $\mu\text{g}/\text{m}^3$

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



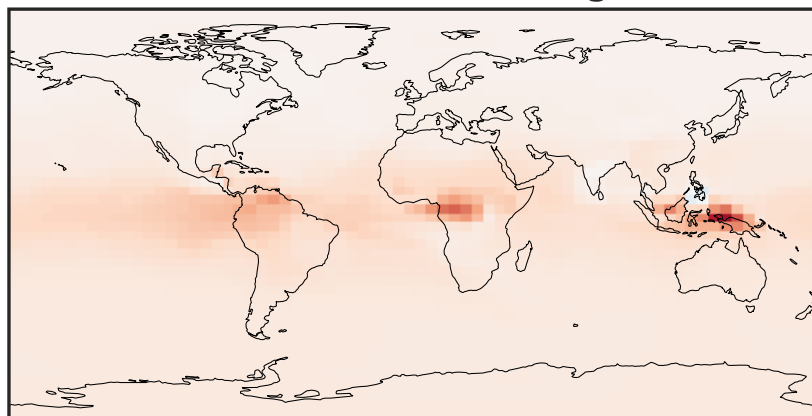
-0.005 0.000 0.005  
 $\mu\text{g}/\text{m}^3$

Ratio  
Dev/Ref, Dynamic Range



0.558 0.779 1.000 1.395 1.791  
unitless

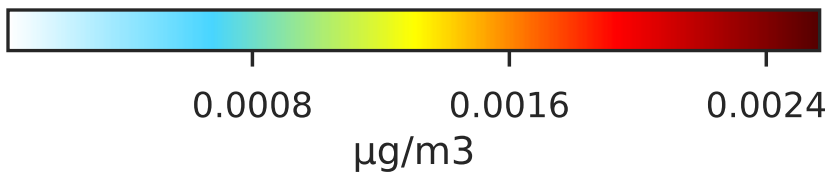
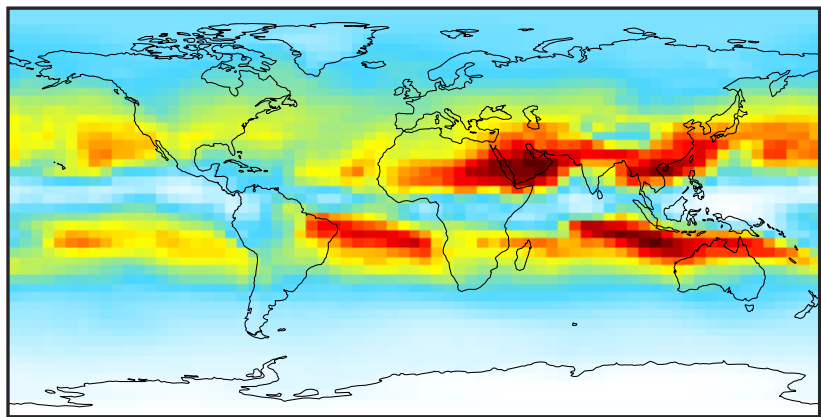
Ratio  
Dev/Ref, Fixed Range



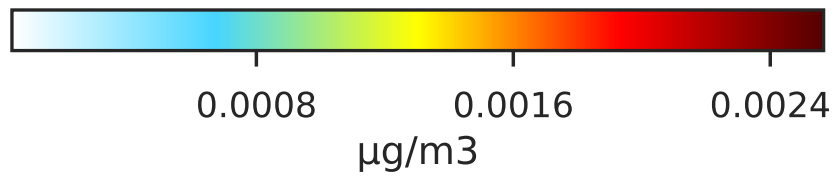
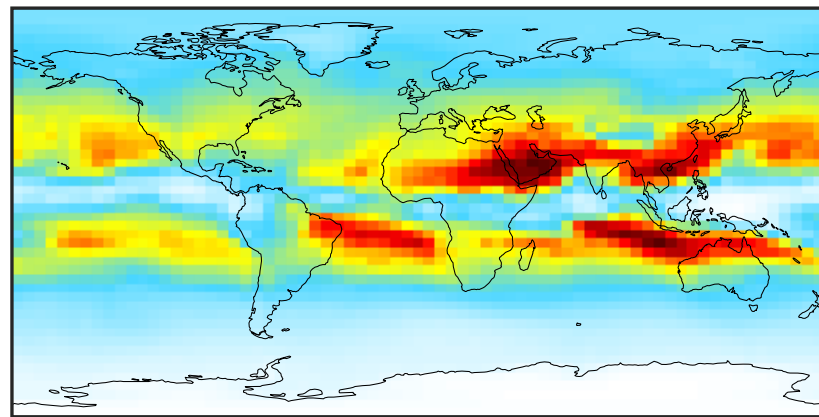
0.50 0.75 1.00 1.50 2.00  
unitless

# SpeciesConcVV\_ASOG1 (Oct2019)

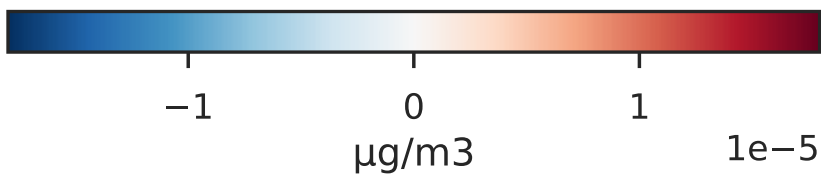
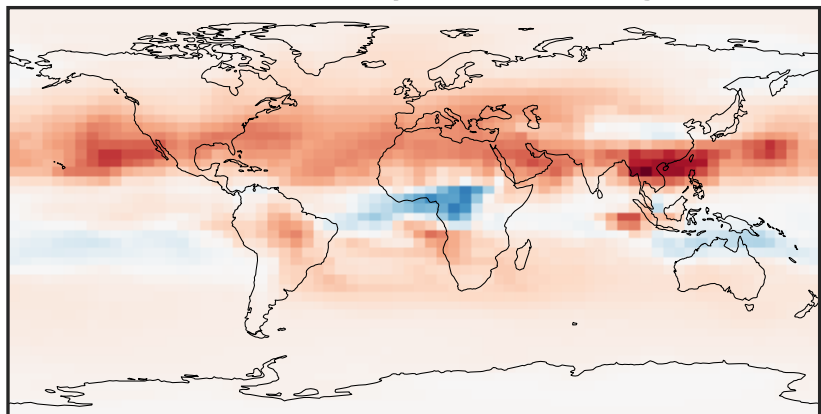
14.2.0-rc.2 (Ref)  
4.0x5.0



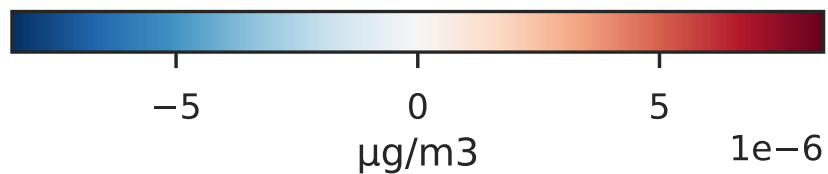
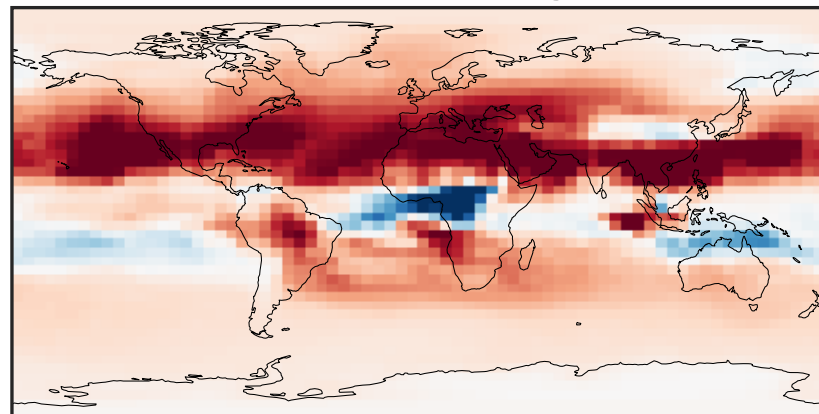
14.3.0-rc.0 (Dev)  
4.0x5.0



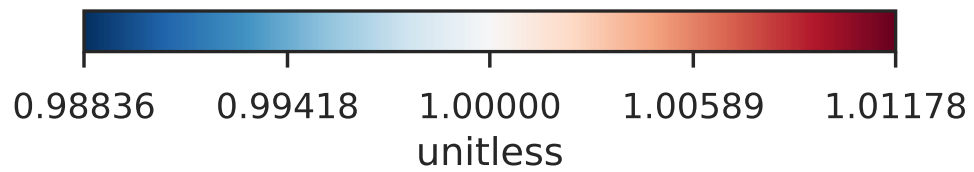
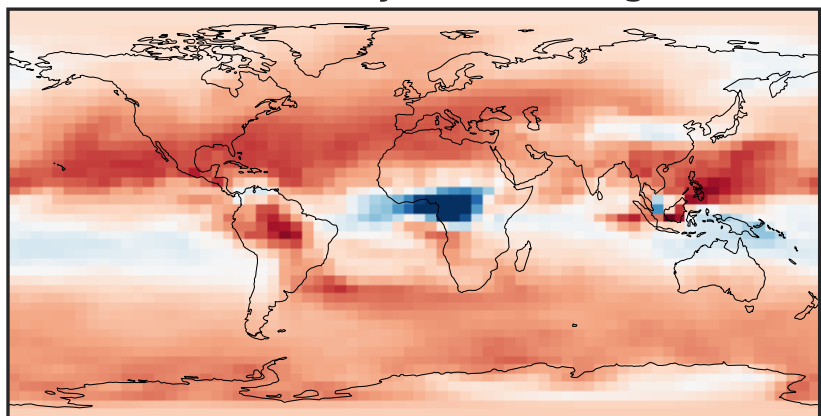
Difference  
Dev - Ref, Dynamic Range



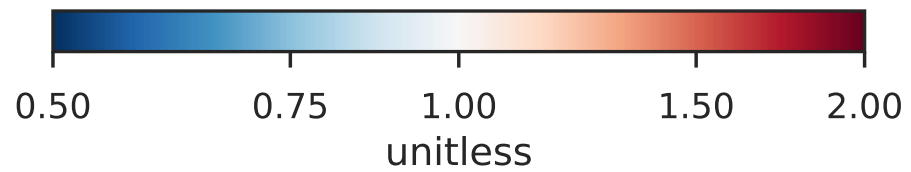
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

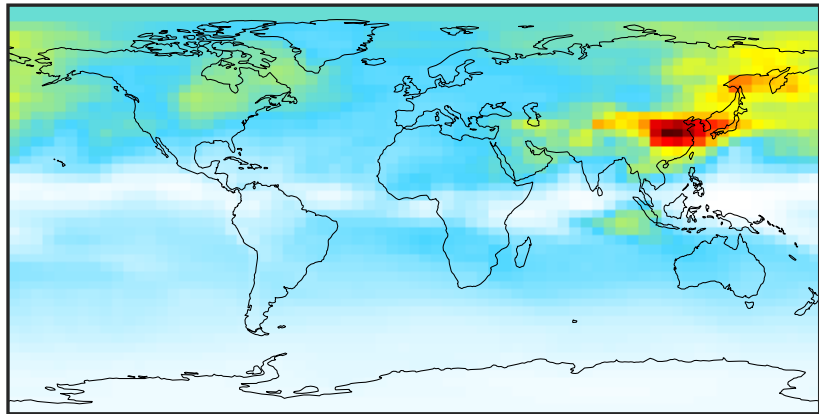


Ratio  
Dev/Ref, Fixed Range



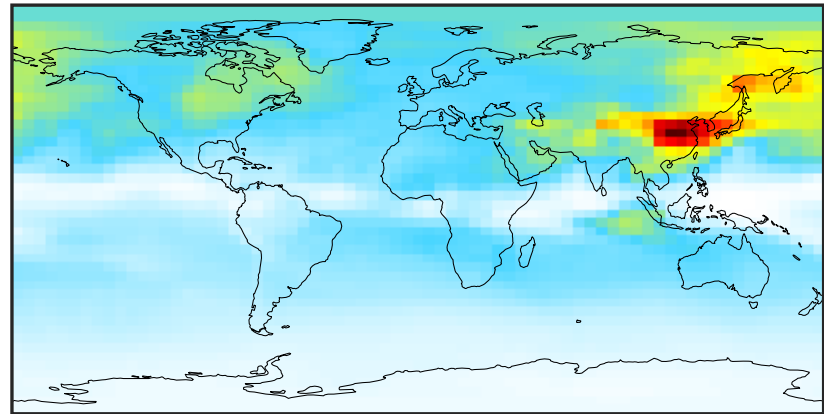
# SpeciesConcVV\_ASOG2 (Oct2019)

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



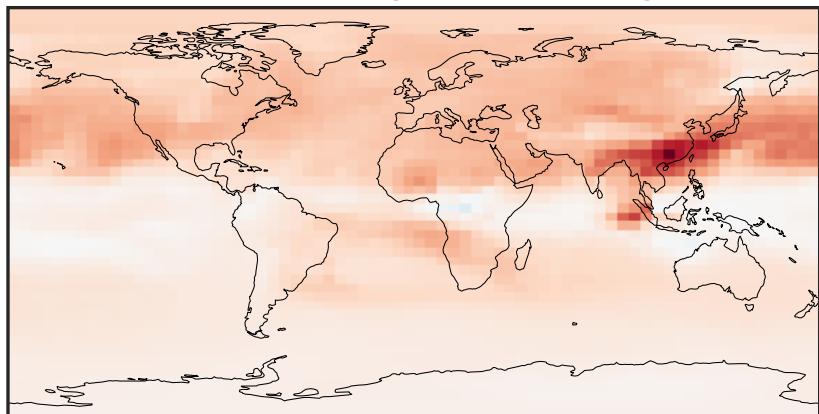
0.0015 0.0030 0.0045  
 $\mu\text{g}/\text{m}^3$

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



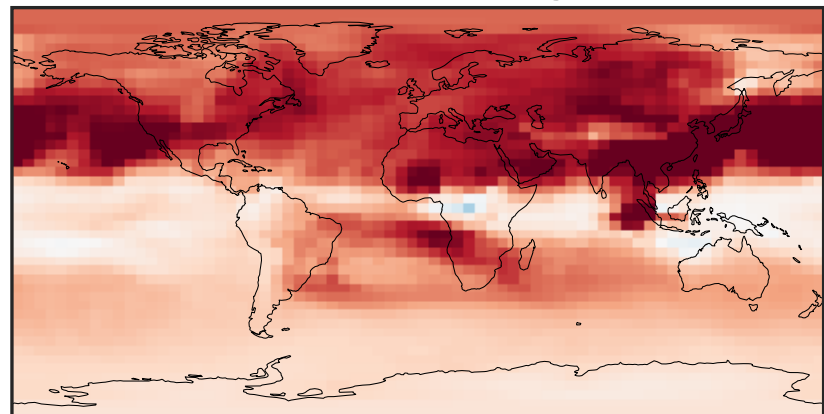
0.0015 0.0030 0.0045  
 $\mu\text{g}/\text{m}^3$

Difference  
Dev - Ref, Dynamic Range



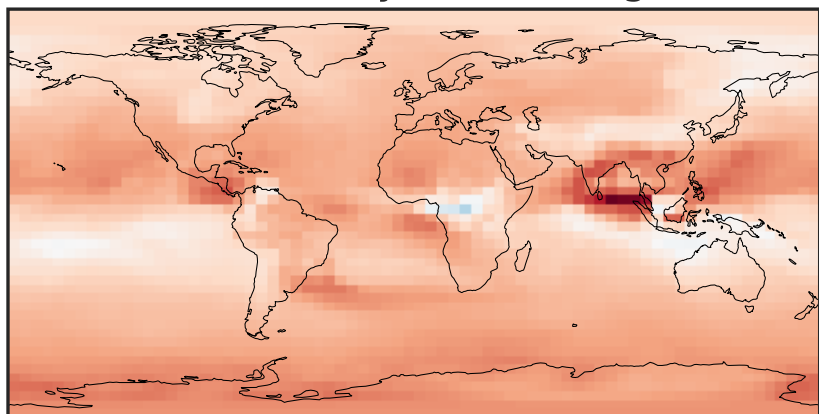
-1.5 0.0 1.5  
 $\mu\text{g}/\text{m}^3$   $1\text{e}-5$

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



-6 0 6  
 $\mu\text{g}/\text{m}^3$   $1\text{e}-6$

Ratio  
Dev/Ref, Dynamic Range



0.97769 0.98885 1.00000 1.01141 1.02282  
unitless

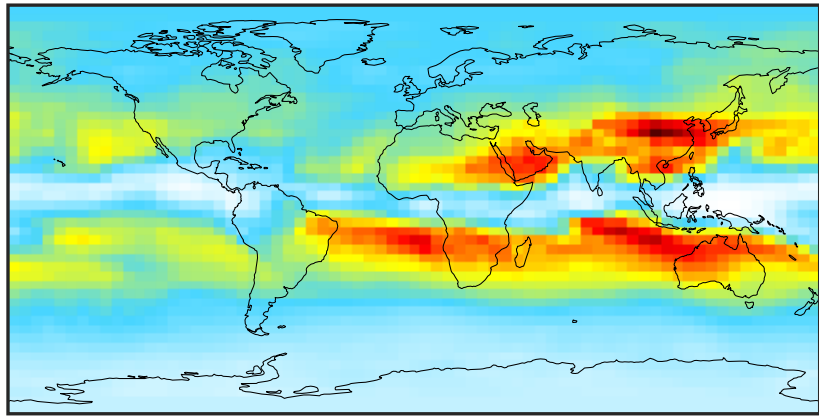
Ratio  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

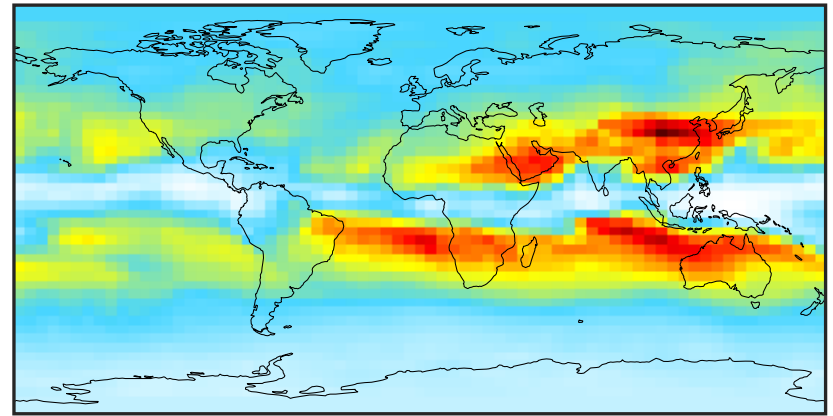
# SpeciesConcVV\_ASOG3 (Oct2019)

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



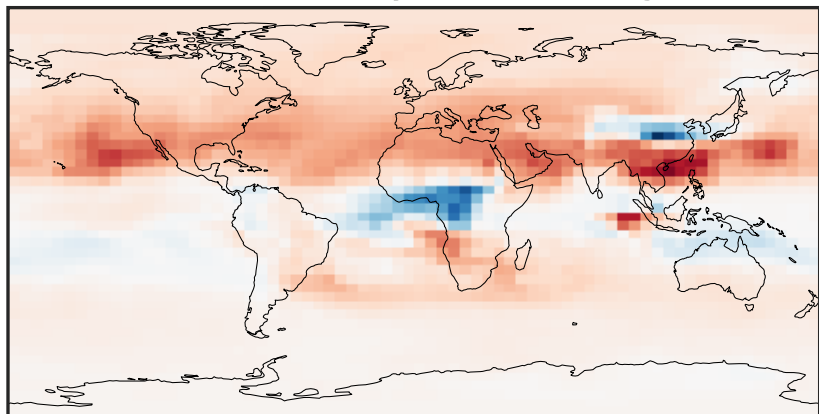
0.01 0.02 0.03 0.04  
 $\mu\text{g}/\text{m}^3$

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



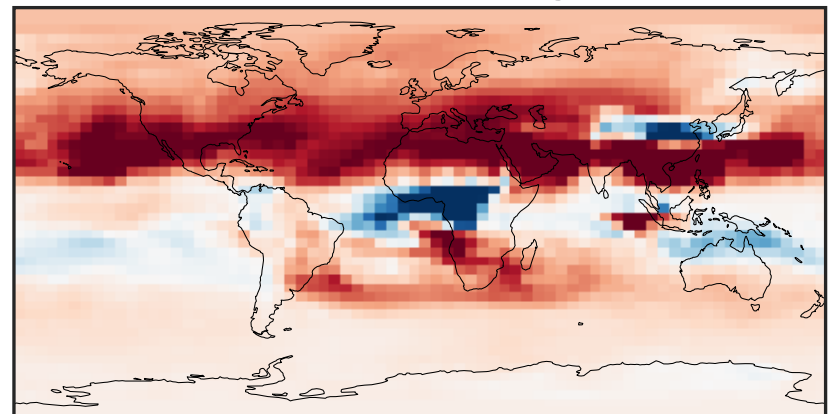
0.01 0.02 0.03 0.04  
 $\mu\text{g}/\text{m}^3$

Difference  
Dev - Ref, Dynamic Range



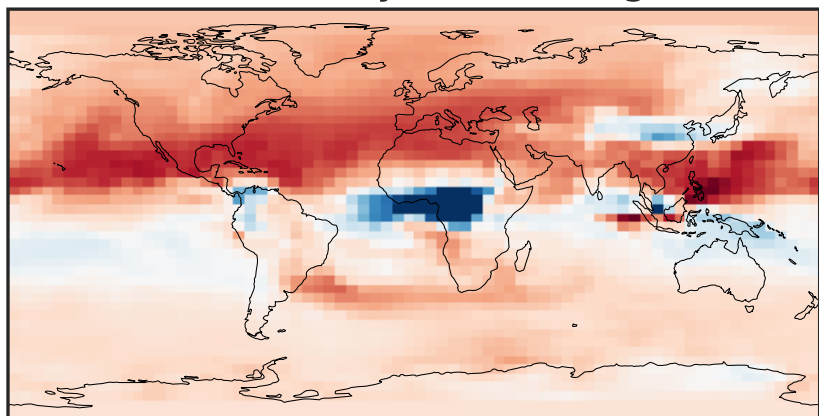
-0.00015 0.00000 0.00015  
 $\mu\text{g}/\text{m}^3$

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



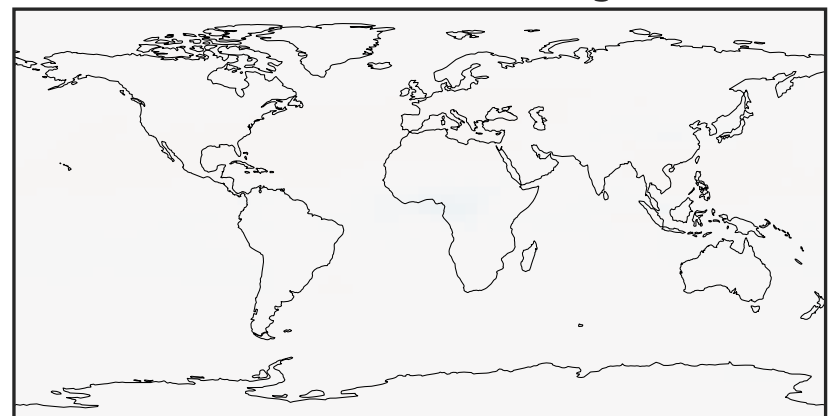
-5 0 5  
 $\mu\text{g}/\text{m}^3$   $1\text{e}-5$

Ratio  
Dev/Ref, Dynamic Range



0.98983 0.99492 1.00000 1.00514 1.01027  
unitless

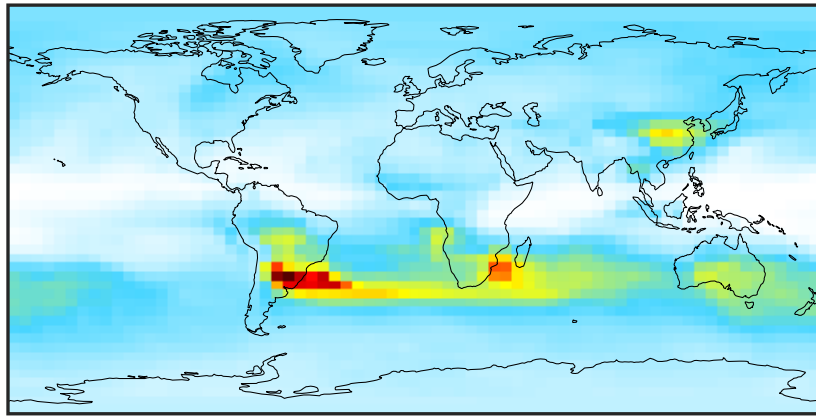
Ratio  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

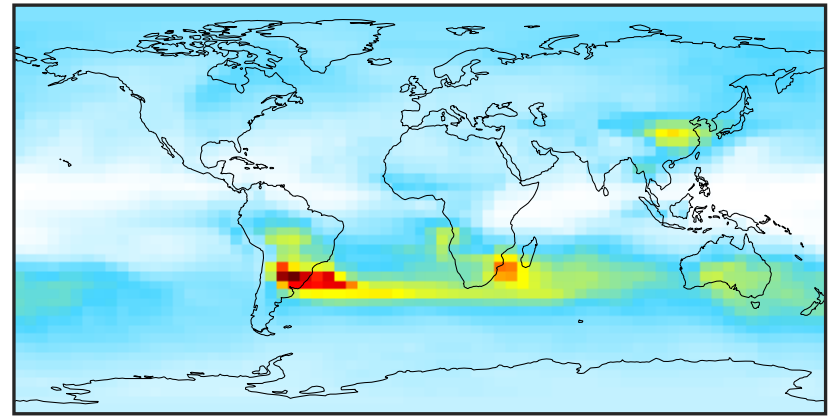
# SpeciesConcVV\_INDIOL (Oct2019)

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



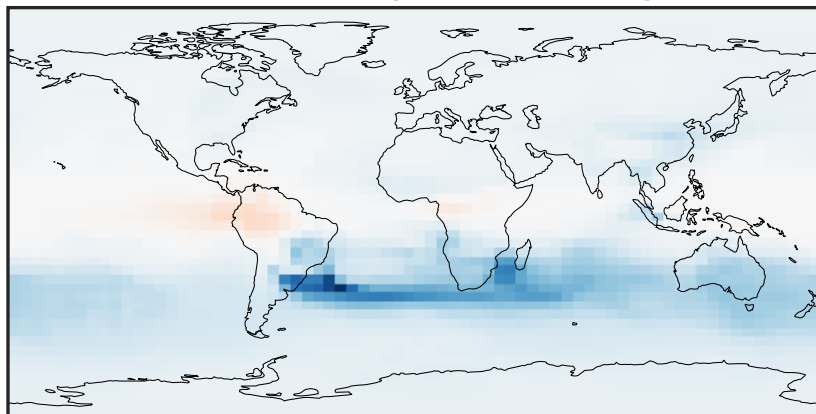
0.0002 0.0441 0.0881 0.1320 0.1759  
 $\mu\text{g}/\text{m}^3$

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



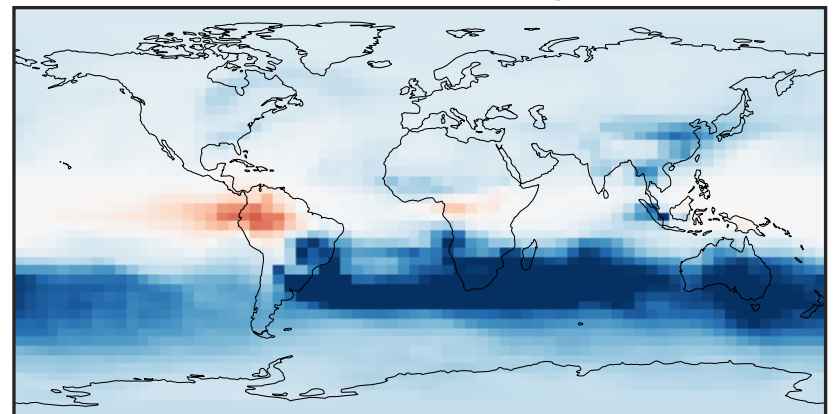
0.0002 0.0441 0.0881 0.1320 0.1759  
 $\mu\text{g}/\text{m}^3$

Difference  
Dev - Ref, Dynamic Range



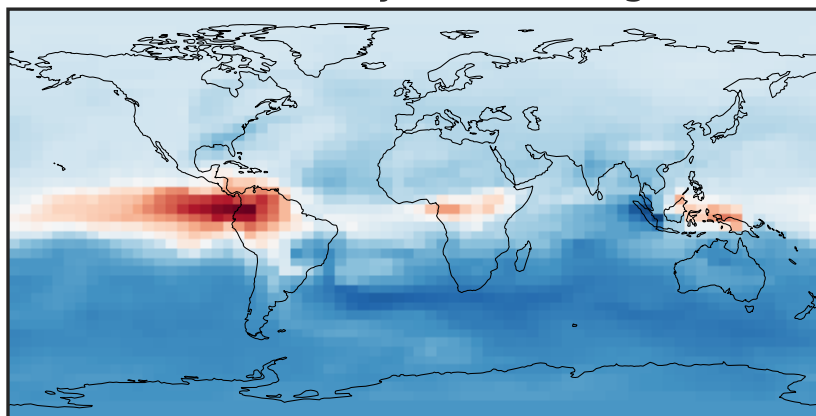
-0.004 0.000 0.004  
 $\mu\text{g}/\text{m}^3$

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



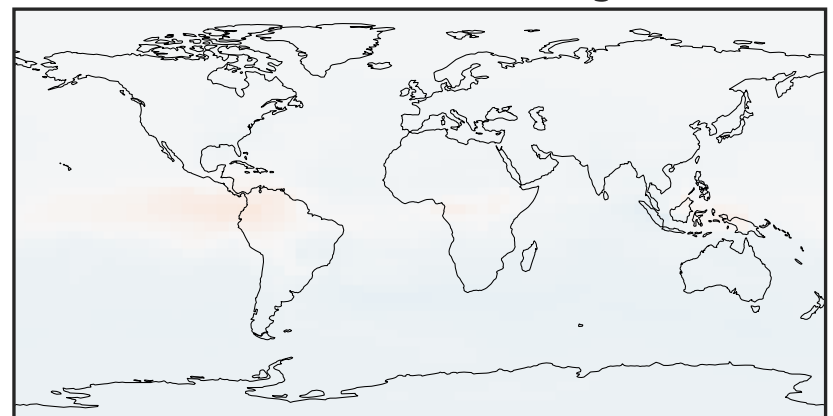
-0.0015 0.0000 0.0015  
 $\mu\text{g}/\text{m}^3$

Ratio  
Dev/Ref, Dynamic Range



0.9342 0.9671 1.0000 1.0352 1.0704  
unitless

Ratio  
Dev/Ref, Fixed Range

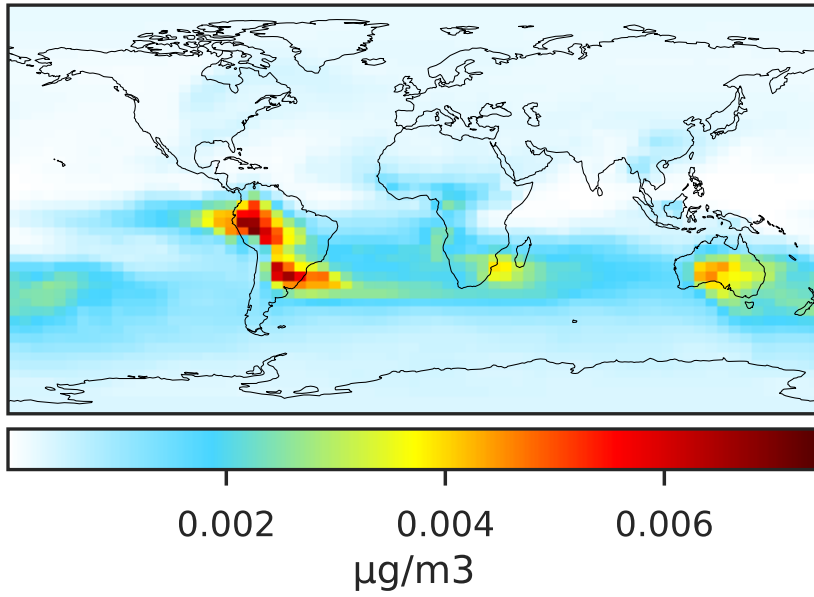


0.50 0.75 1.00 1.50 2.00  
unitless

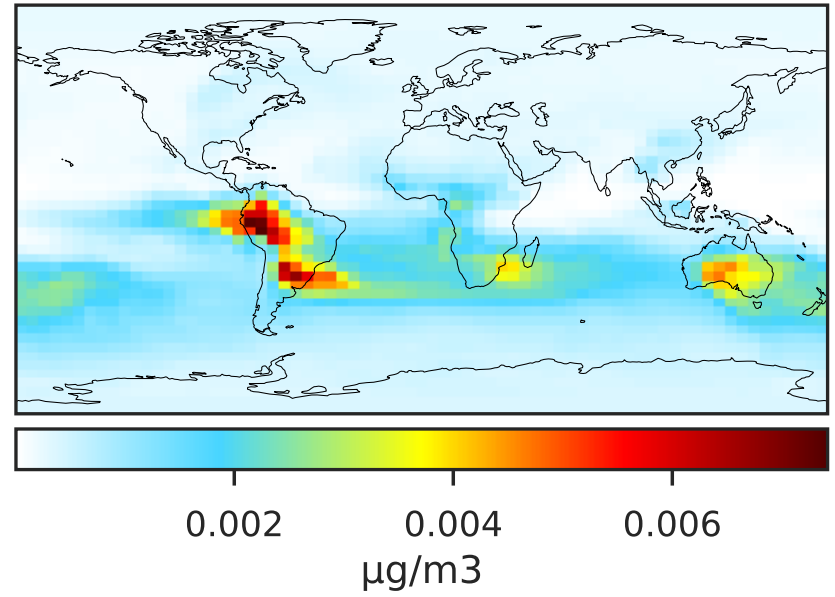


# SpeciesConcVV\_LVCOA (Oct2019)

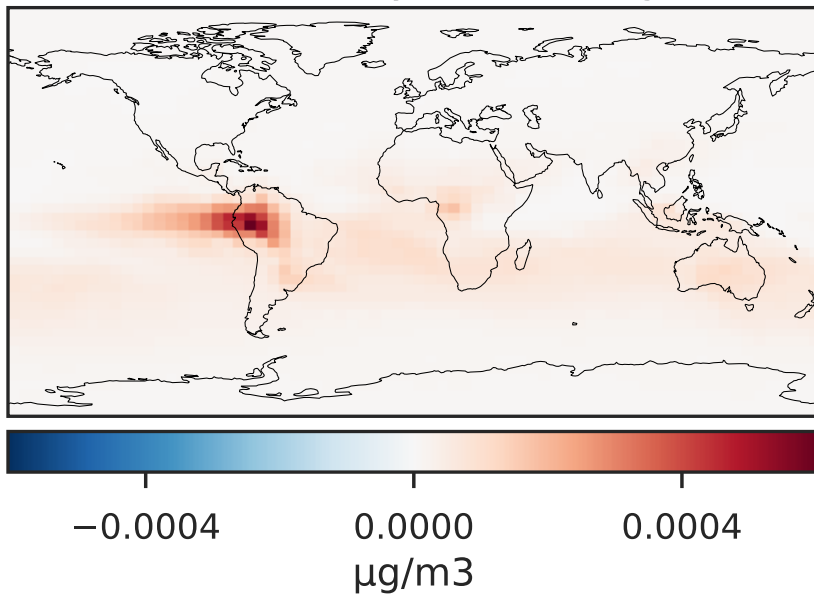
14.2.0-rc.2 (Ref)  
4.0x5.0



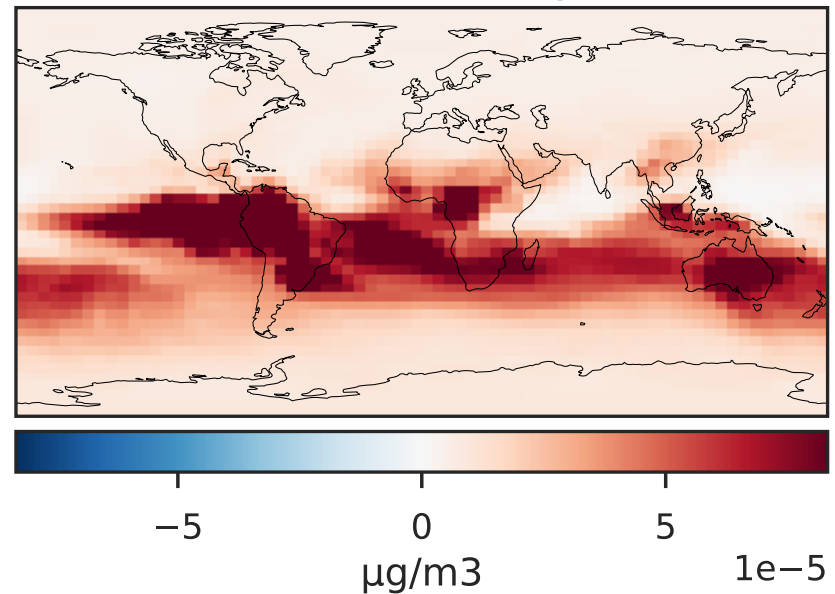
14.3.0-rc.0 (Dev)  
4.0x5.0



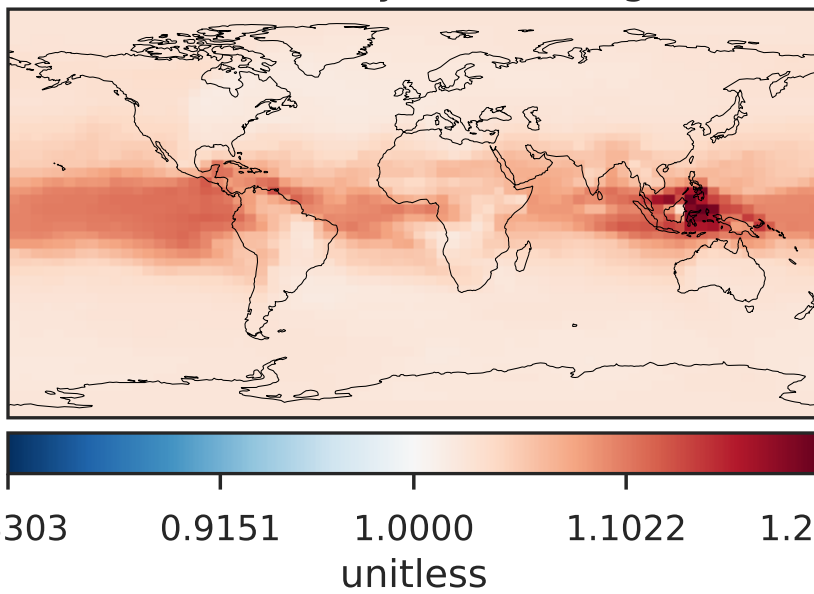
Difference  
Dev - Ref, Dynamic Range



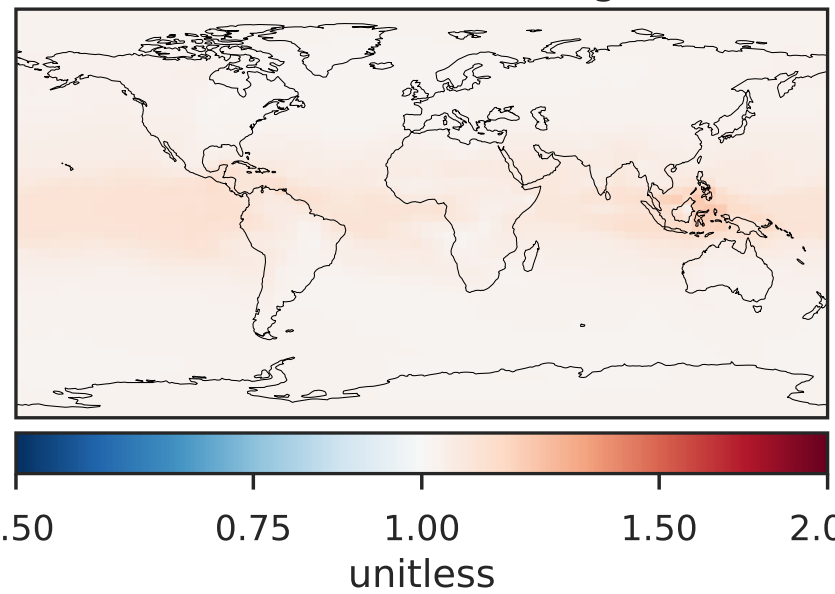
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

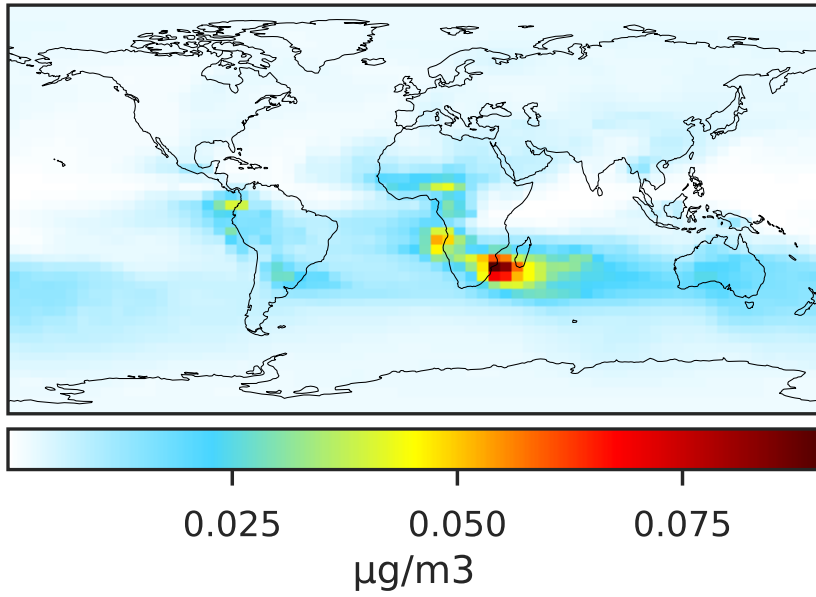


Ratio  
Dev/Ref, Fixed Range

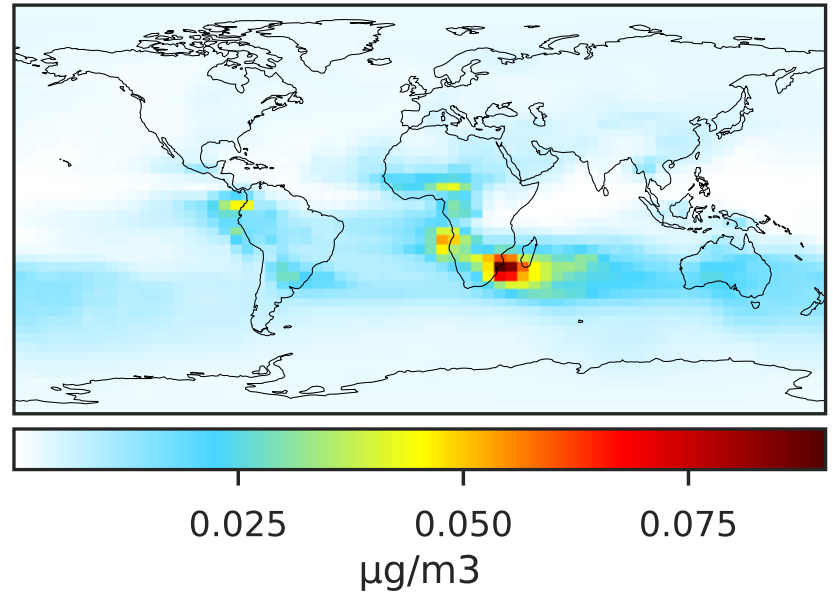


# SpeciesConcVV\_SOAIE (Oct2019)

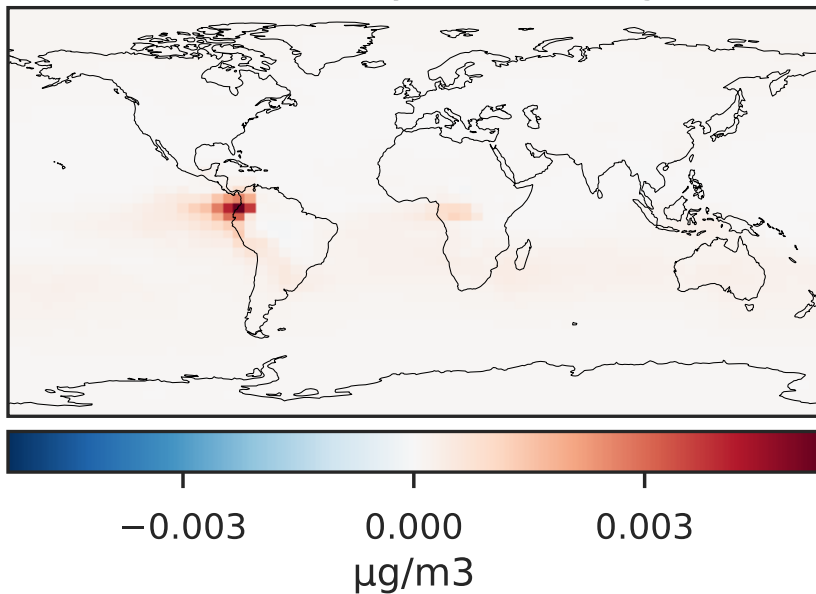
14.2.0-rc.2 (Ref)  
4.0x5.0



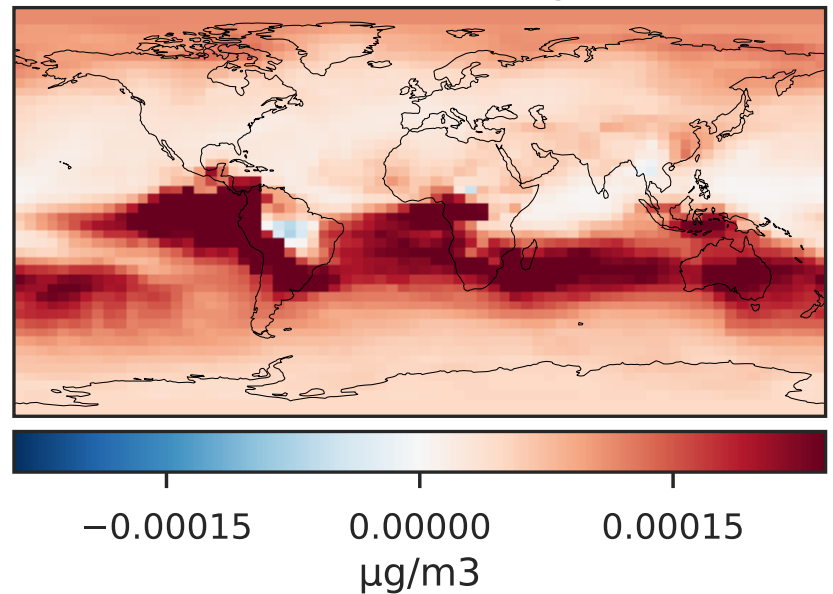
14.3.0-rc.0 (Dev)  
4.0x5.0



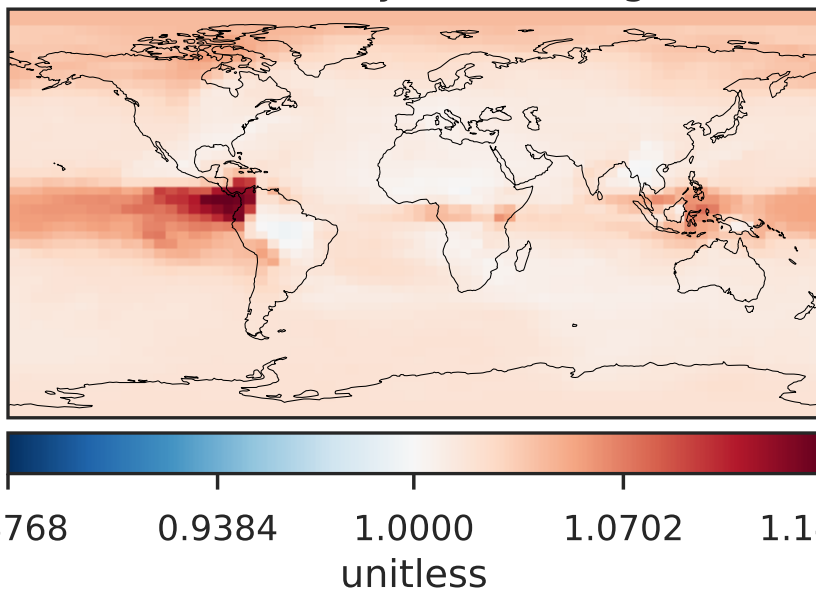
Difference  
Dev - Ref, Dynamic Range



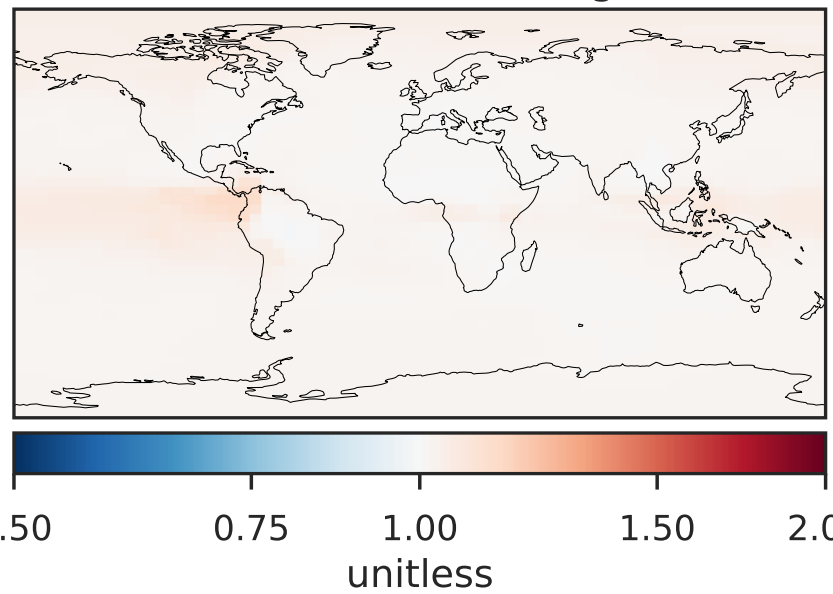
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

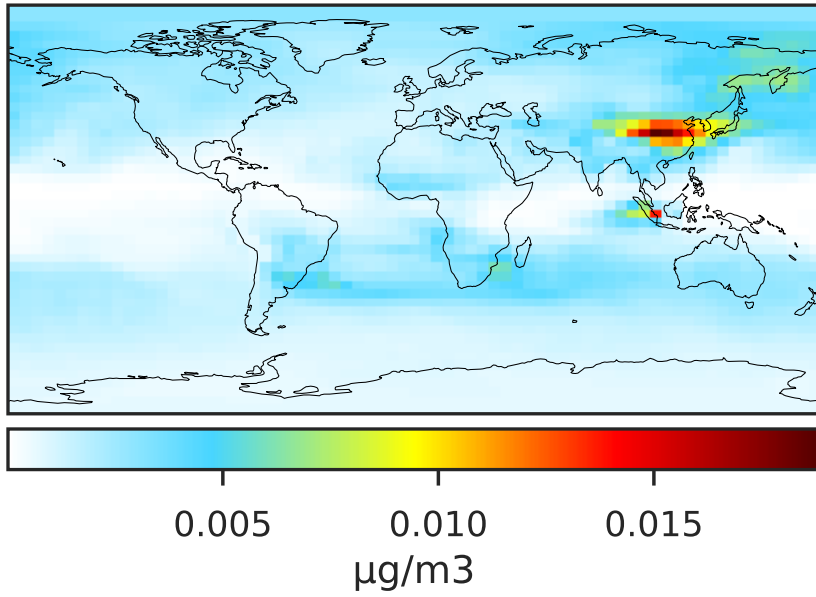


Ratio  
Dev/Ref, Fixed Range

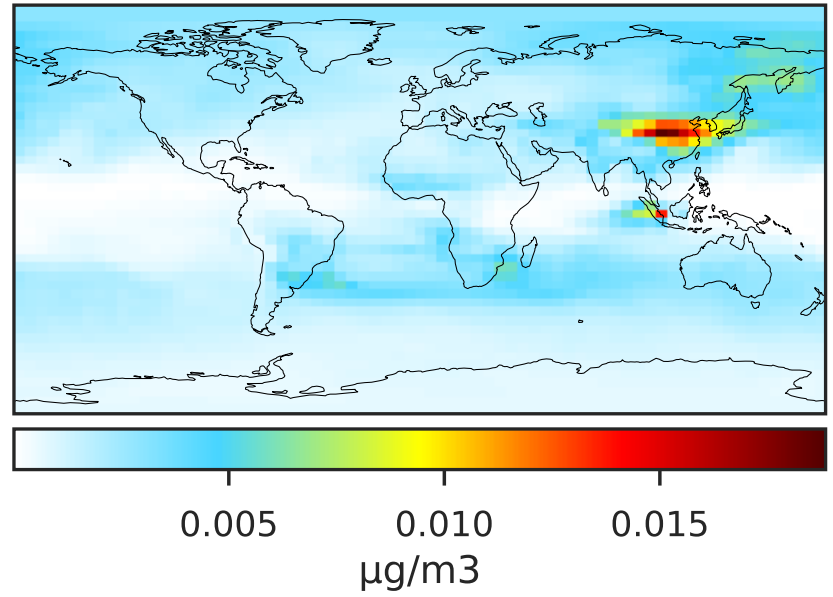


# SpeciesConcVV\_SOAGX (Oct2019)

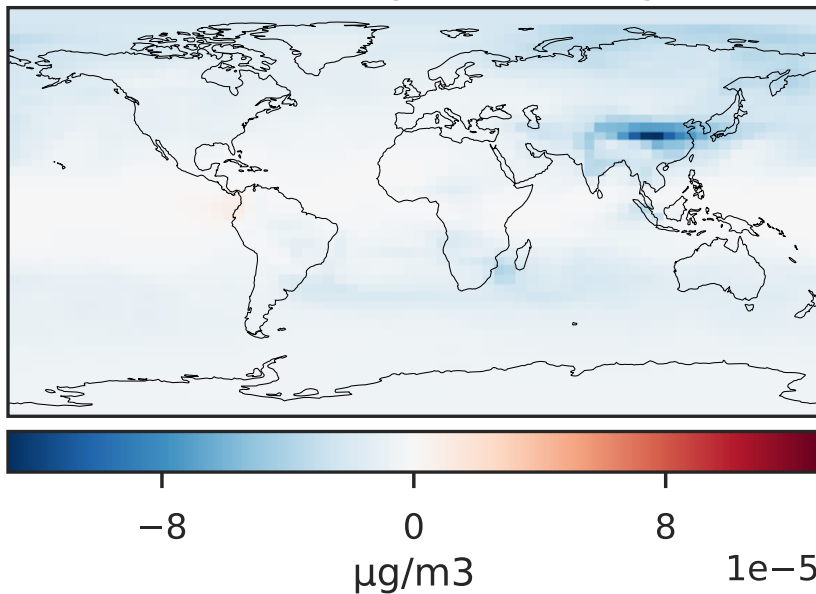
14.2.0-rc.2 (Ref)  
4.0x5.0



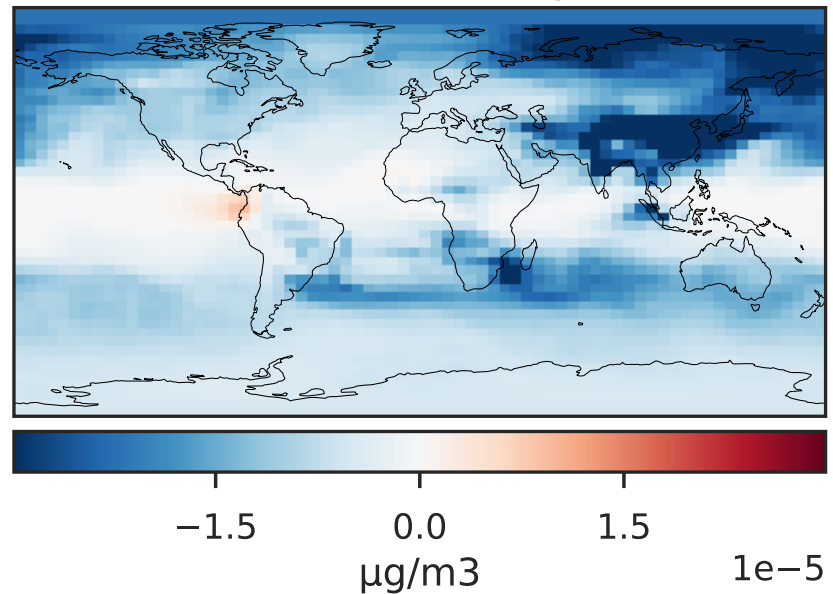
14.3.0-rc.0 (Dev)  
4.0x5.0



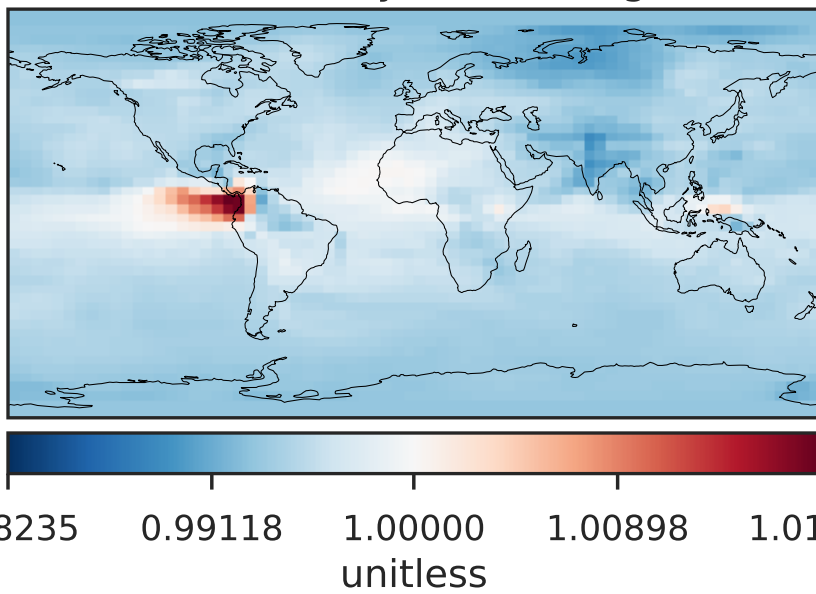
Difference  
Dev - Ref, Dynamic Range



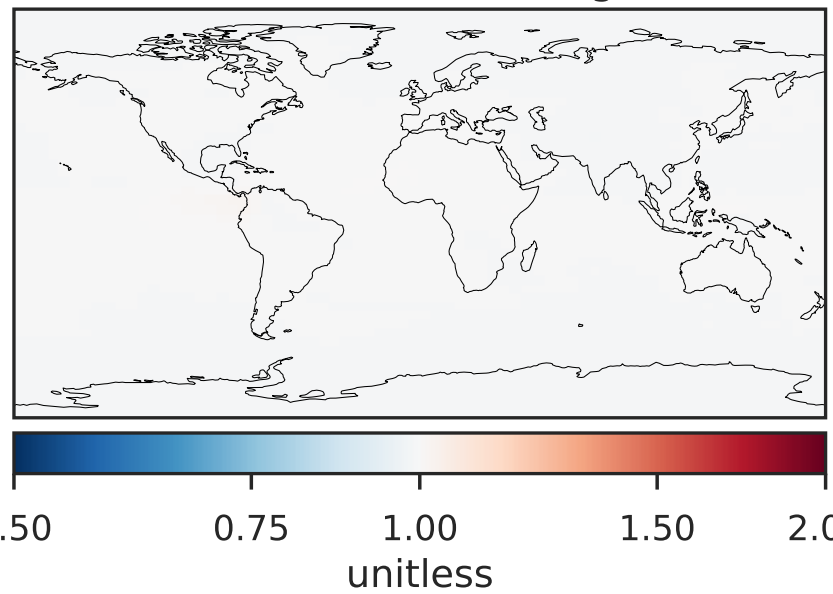
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

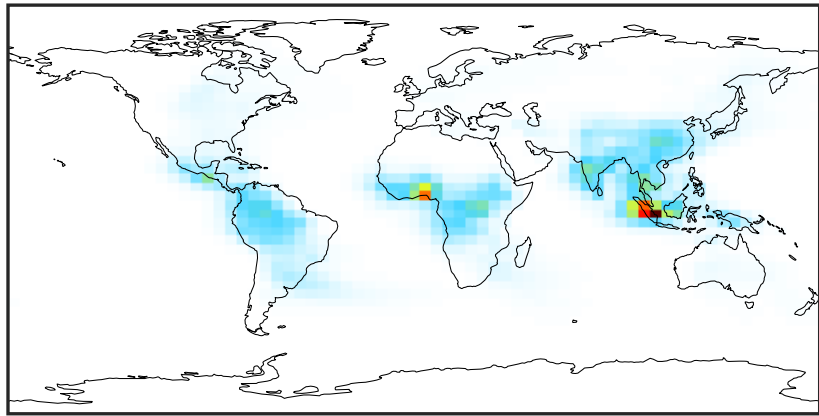


Ratio  
Dev/Ref, Fixed Range



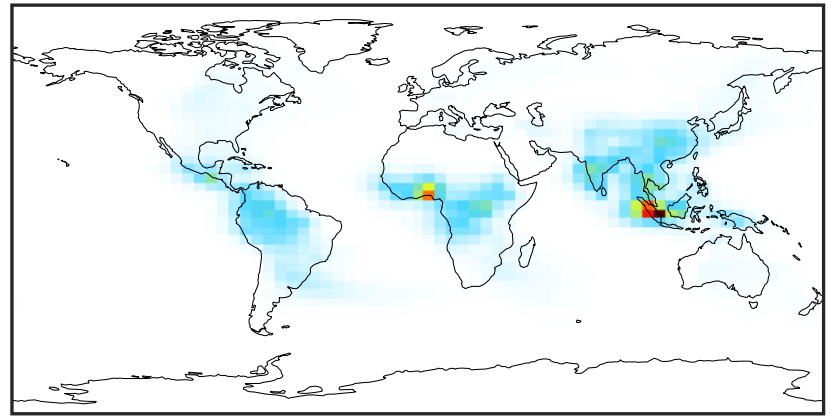
# SpeciesConcVW\_SOAP (Oct2019)

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



0.0000 0.0434 0.0869 0.1303 0.1738  $\mu\text{g}/\text{m}^3$

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



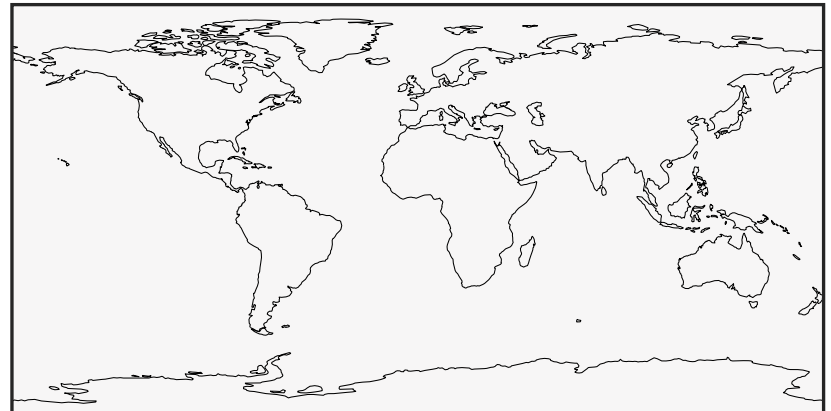
0.0000 0.0434 0.0869 0.1303 0.1738  $\mu\text{g}/\text{m}^3$

Difference  
Dev - Ref, Dynamic Range



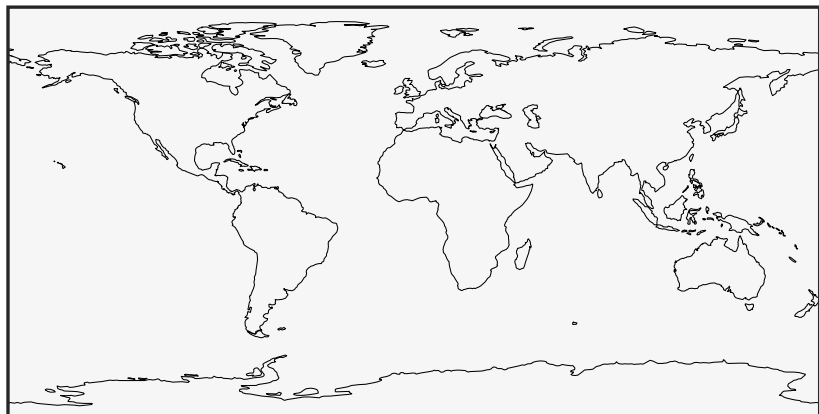
Zero throughout domain  
 $\mu\text{g}/\text{m}^3$

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



Zero throughout domain  
 $\mu\text{g}/\text{m}^3$

Ratio  
Dev/Ref, Dynamic Range



Ref and Dev equal throughout domain  
unitless

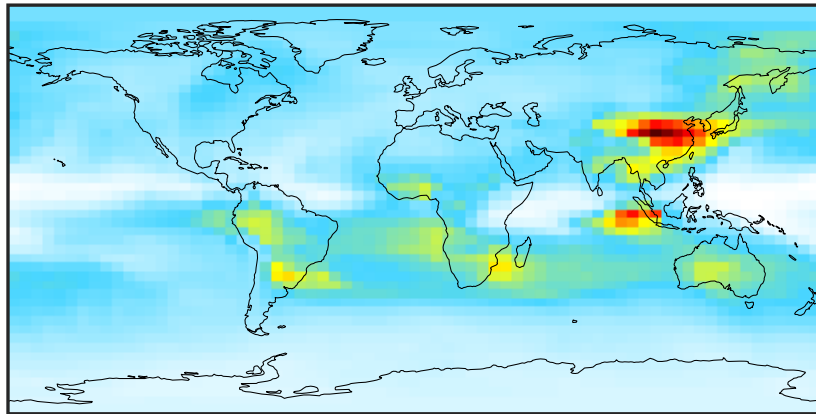
Ratio  
Dev/Ref, Fixed Range



Ref and Dev equal throughout domain  
unitless

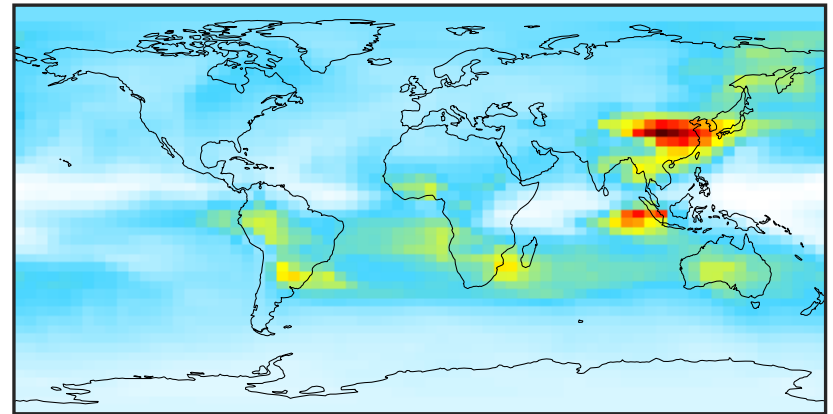
# SpeciesConcVV\_SOAS (Oct2019)

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



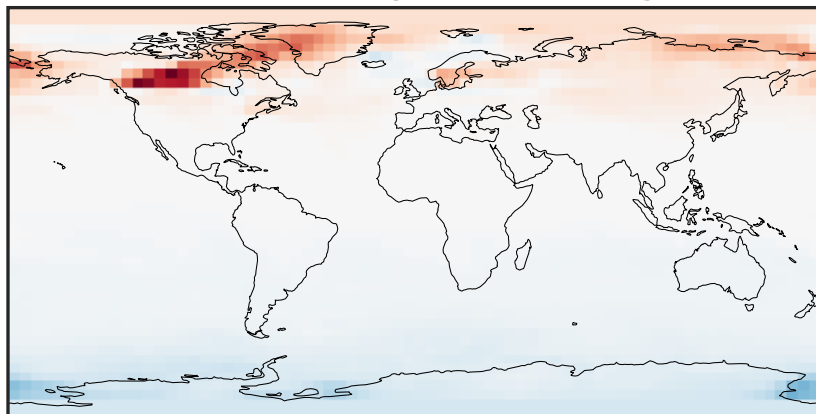
0.0016 0.0854 0.1693 0.2532 0.3371  
 $\mu\text{g}/\text{m}^3$

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



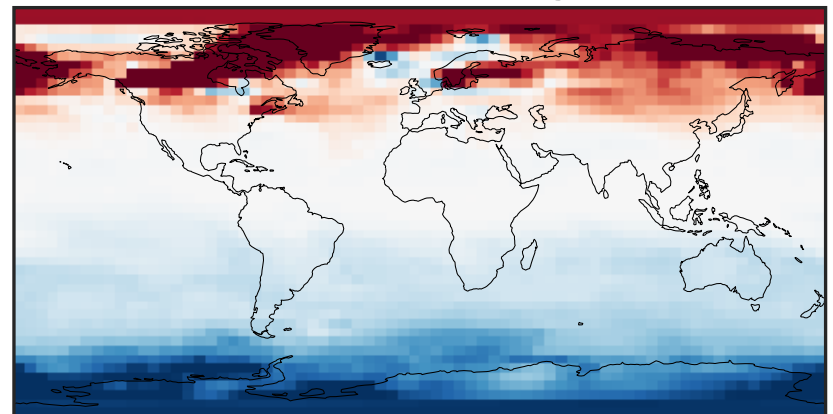
0.0016 0.0854 0.1693 0.2532 0.3371  
 $\mu\text{g}/\text{m}^3$

Difference  
Dev - Ref, Dynamic Range



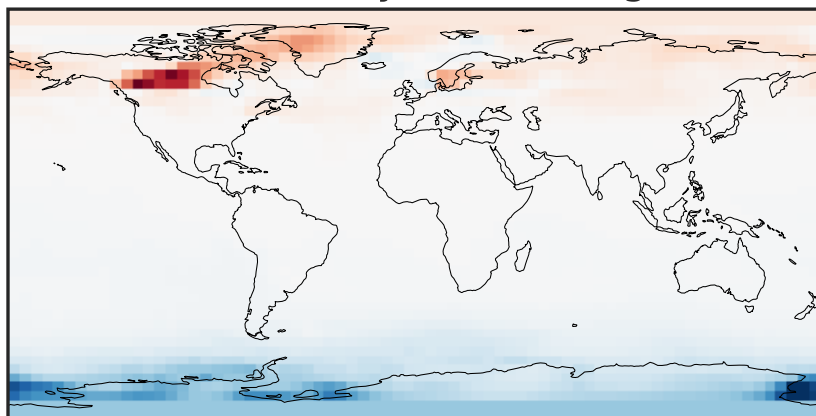
-4 0 4  
 $\mu\text{g}/\text{m}^3$   $1\text{e}-5$

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



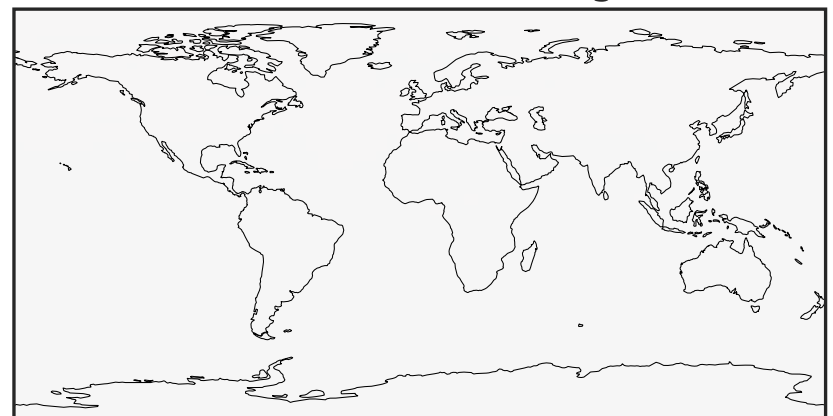
-8 0 8  
 $\mu\text{g}/\text{m}^3$   $1\text{e}-6$

Ratio  
Dev/Ref, Dynamic Range



0.998174 0.999087 1.000000 1.000915 1.001830  
unitless

Ratio  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless