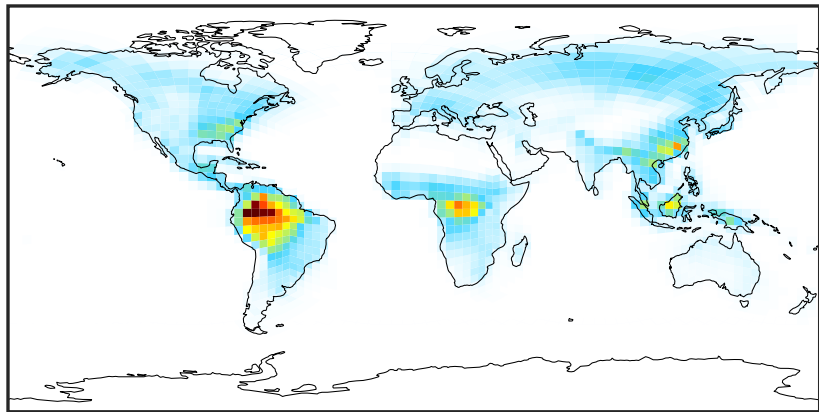


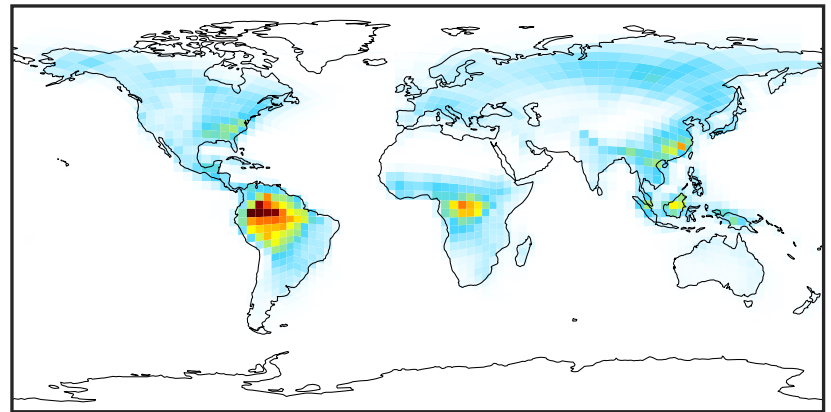
# SpeciesConcVV\_EOH (Jul2019)

GCHP\_14.0.0 (Ref)  
c24



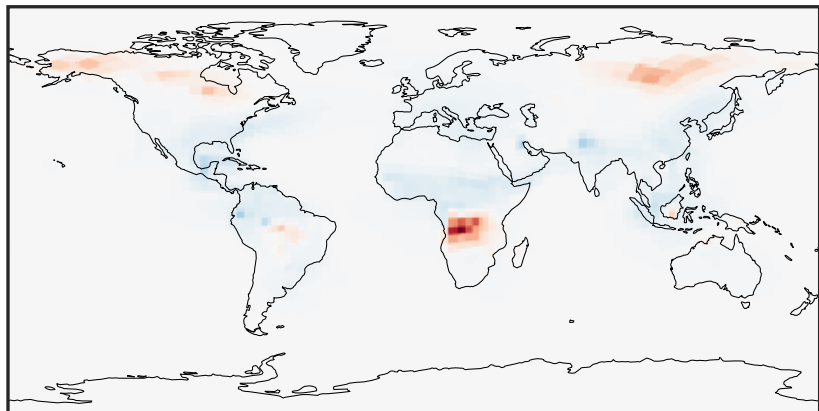
0.000 0.604 1.209 1.813 2.418  
ppb

GCHP\_14.2.0 (Dev)  
c24



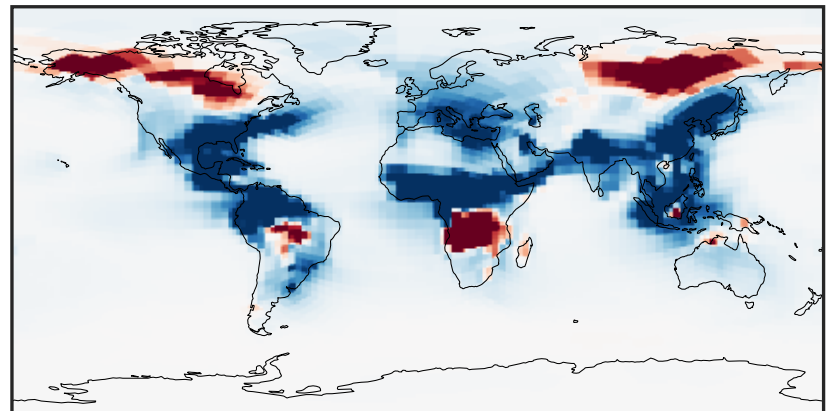
0.000 0.604 1.209 1.813 2.418  
ppb

Difference (1x1.25)  
Dev - Ref, Dynamic Range



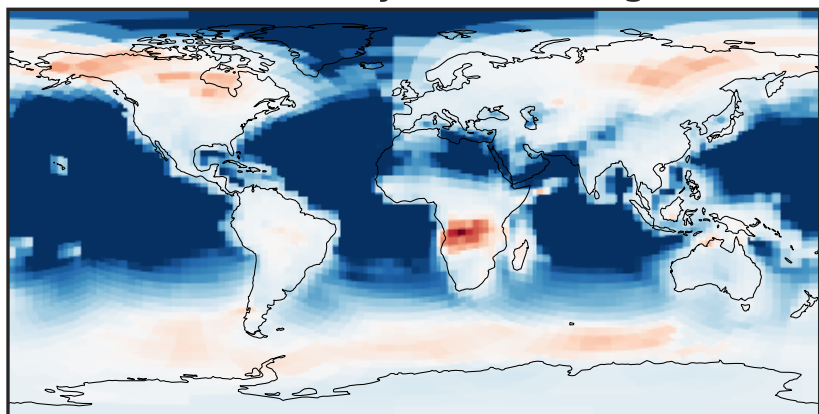
-0.0876 -0.0438 0.0000 0.0438 0.0876  
ppb

Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



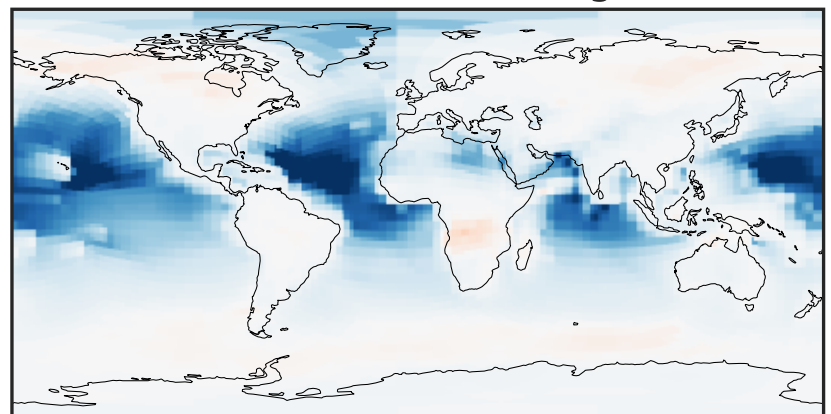
-0.004 0.000 0.004  
ppb

Ratio (1x1.25)  
Dev/Ref, Dynamic Range



0.8563 0.9282 1.0000 1.0839 1.1678  
unitless

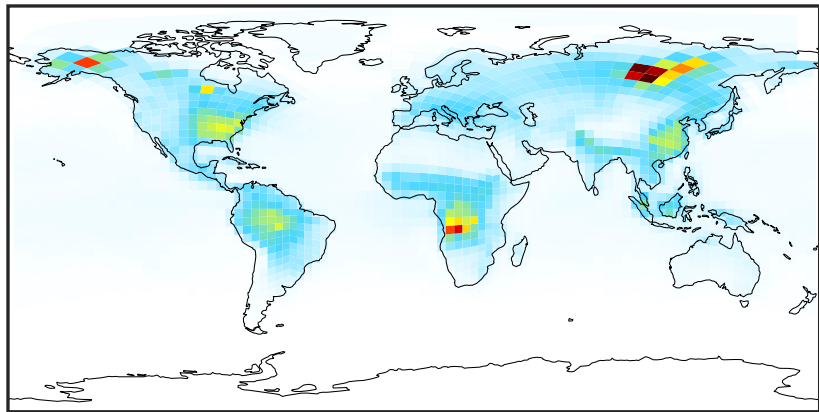
Ratio (1x1.25)  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

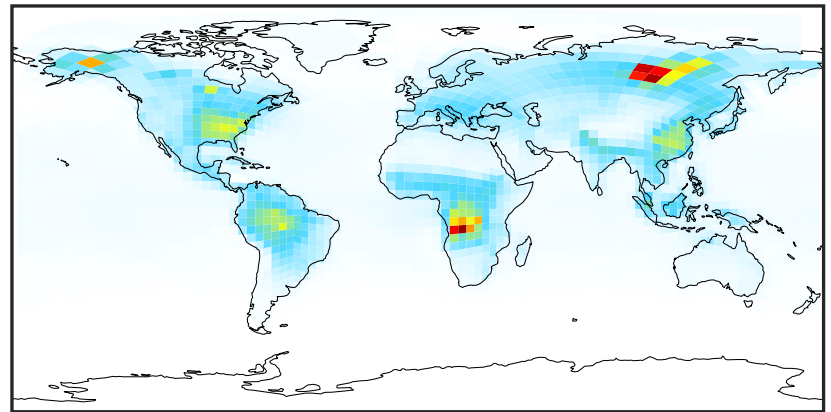
# SpeciesConcVV\_MOH (Jul2019)

GCHP\_14.0.0 (Ref)  
c24



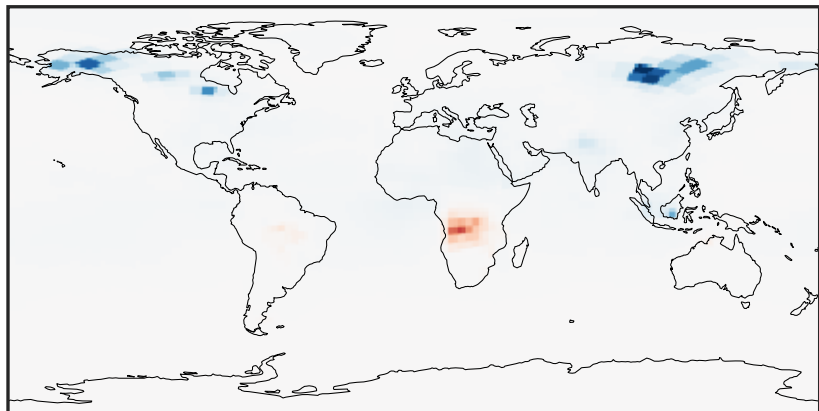
0.02 4.47 8.95 13.42 17.91  
ppb

GCHP\_14.2.0 (Dev)  
c24



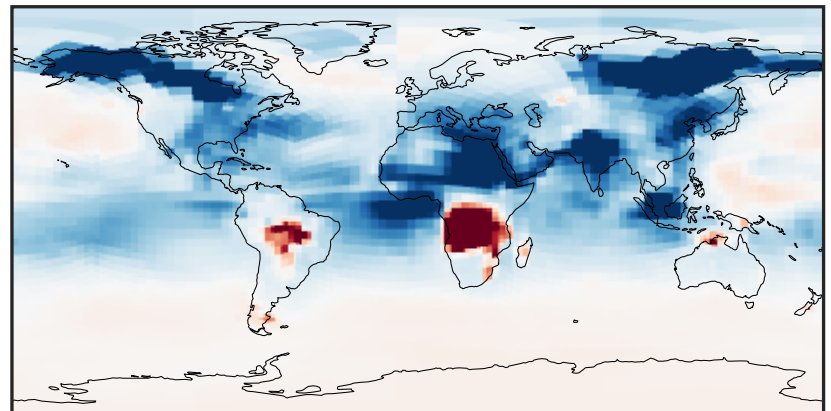
0.02 4.47 8.95 13.42 17.91  
ppb

Difference (1x1.25)  
Dev - Ref, Dynamic Range



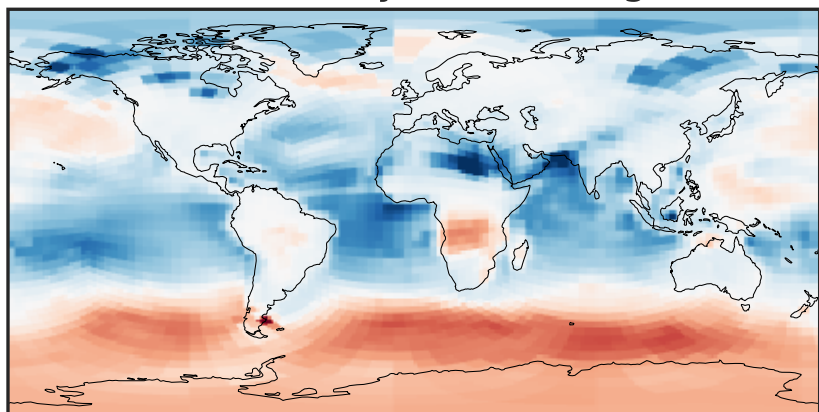
-2.539 -1.269 0.000 1.269 2.539  
ppb

Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



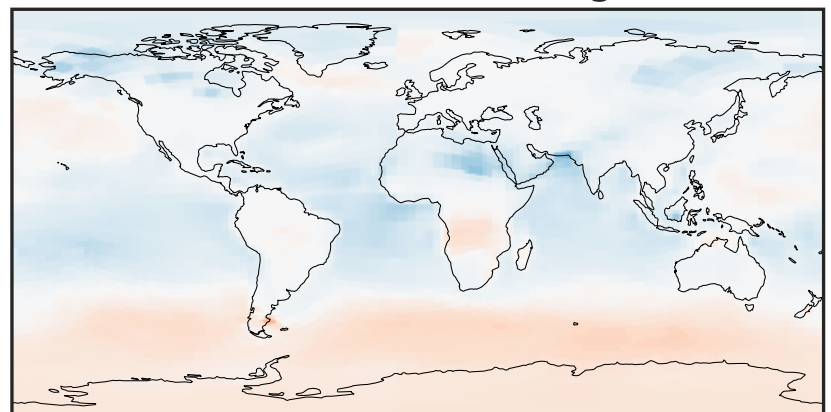
-0.096 -0.048 0.000 0.048 0.096  
ppb

Ratio (1x1.25)  
Dev/Ref, Dynamic Range



0.7951 0.8975 1.000 1.1289 1.2577  
unitless

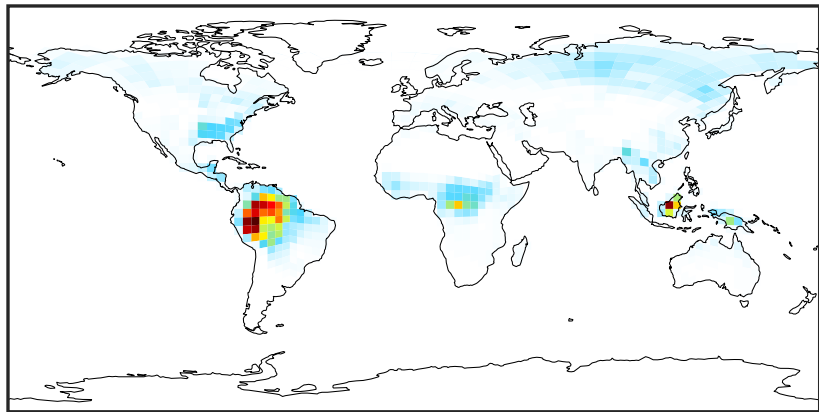
Ratio (1x1.25)  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

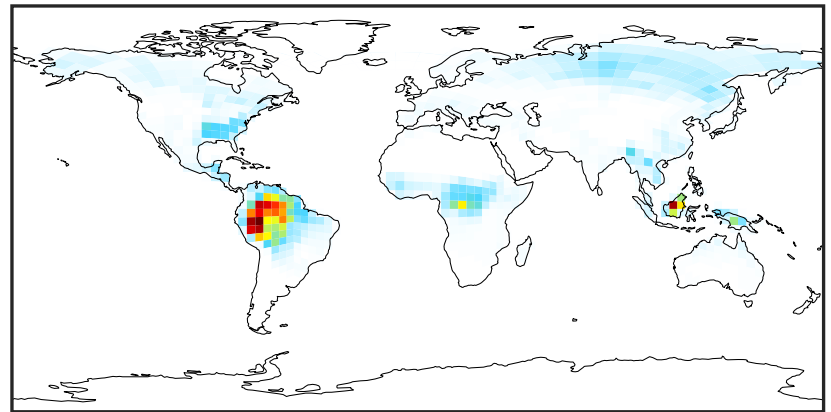
# SpeciesConcVV\_ISOP (Jul2019)

GCHP\_14.0.0 (Ref)  
c24



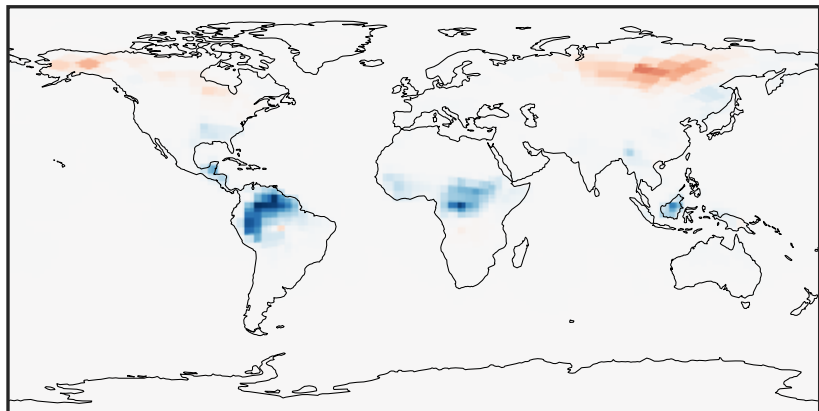
0.000 1.781 3.561 5.342 7.123  
ppb

GCHP\_14.2.0 (Dev)  
c24



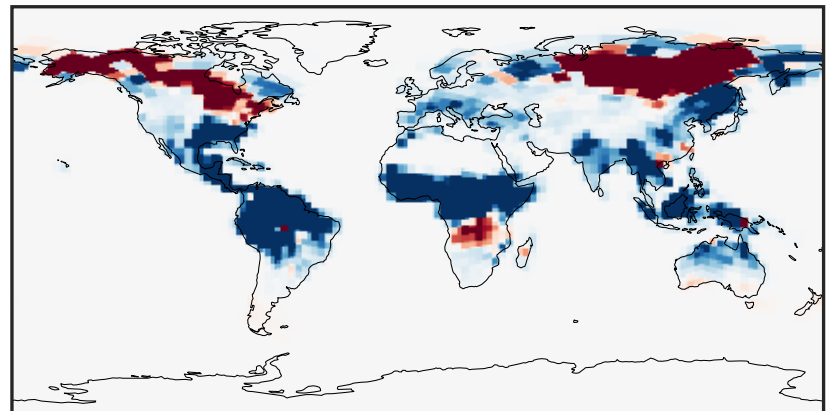
0.000 1.781 3.561 5.342 7.123  
ppb

Difference (1x1.25)  
Dev - Ref, Dynamic Range



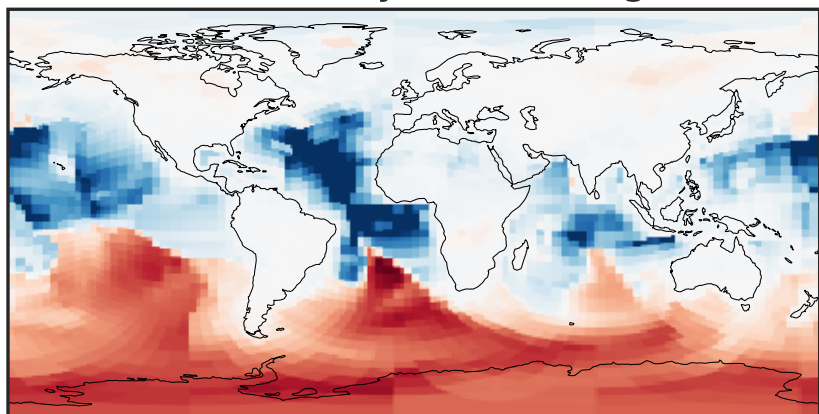
-0.3147 -0.1574 0.0000 0.1574 0.3147  
ppb

Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



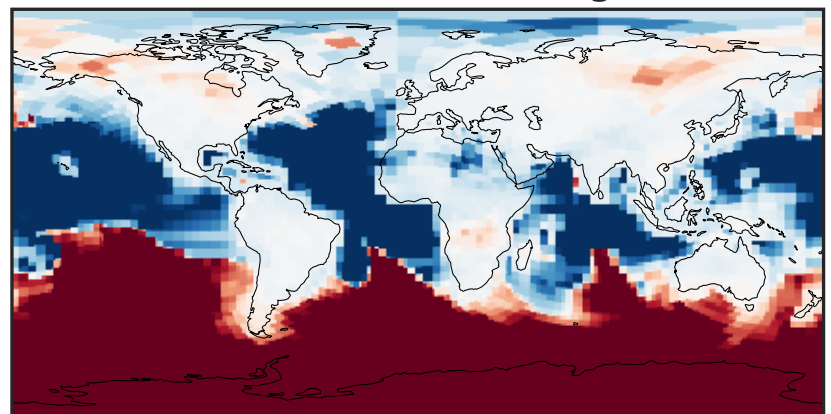
-0.003 0.000 0.003  
ppb

Ratio (1x1.25)  
Dev/Ref, Dynamic Range



1e-01 1 10  
unitless

Ratio (1x1.25)  
Dev/Ref, Fixed Range

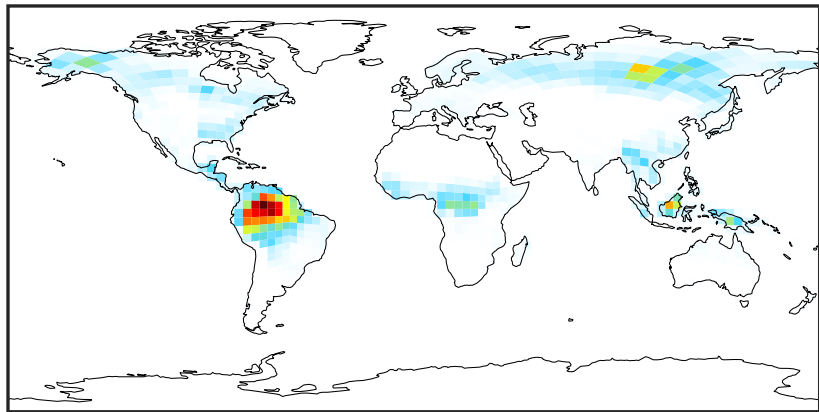


0.50 0.75 1.00 1.50 2.00  
unitless



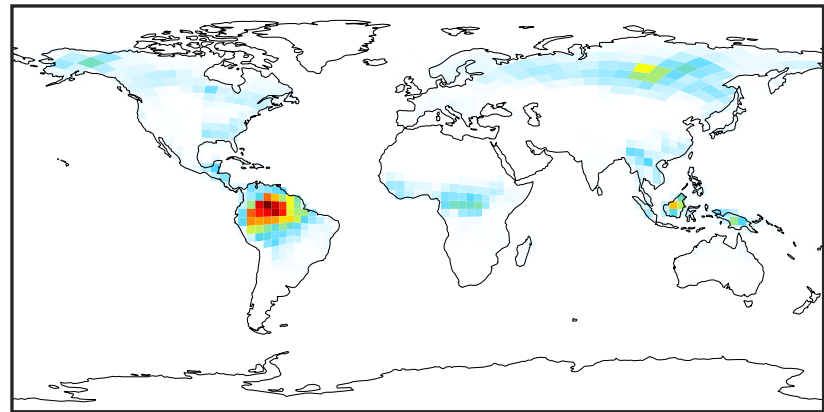
# SpeciesConcVV\_MTPA (Jul2019)

GCHP\_14.0.0 (Ref)  
c24



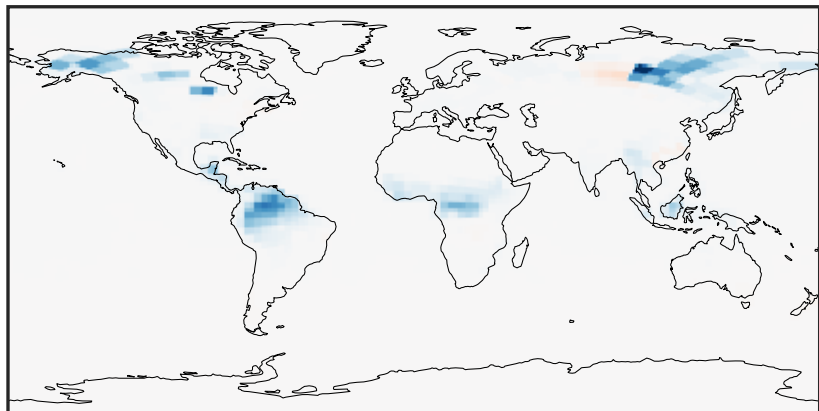
0.000 0.476 0.952 1.427 1.903  
ppb

GCHP\_14.2.0 (Dev)  
c24



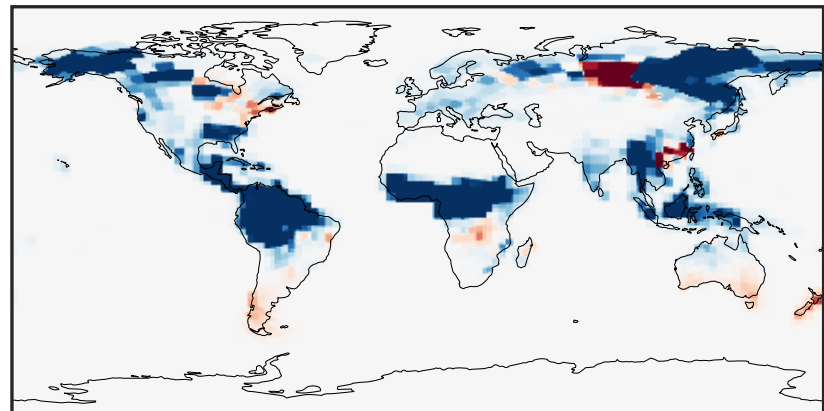
0.000 0.476 0.952 1.427 1.903  
ppb

Difference (1x1.25)  
Dev - Ref, Dynamic Range



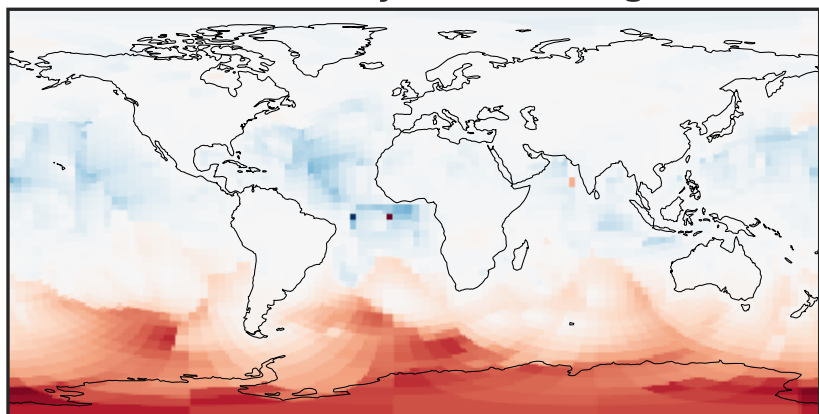
-0.1231 -0.0615 0.0000 0.0615 0.1231  
ppb

Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



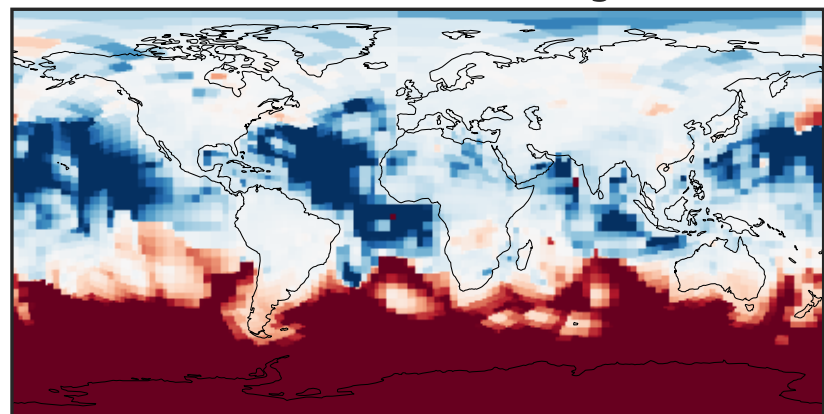
-0.0025 0.0000 0.0025  
ppb

Ratio (1x1.25)  
Dev/Ref, Dynamic Range



1e-02 1e-01 1 10 100  
unitless

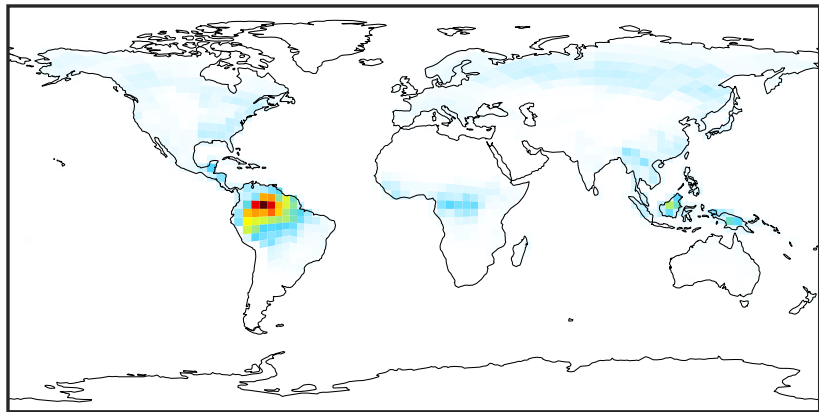
Ratio (1x1.25)  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

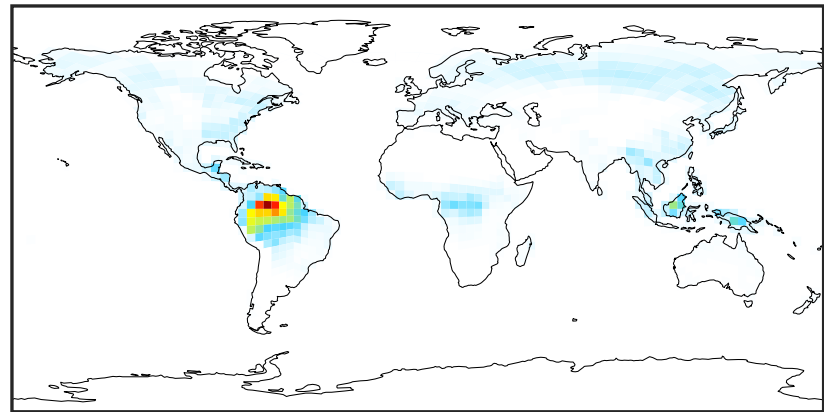
# SpeciesConcVV\_MTPO (Jul2019)

GCHP\_14.0.0 (Ref)  
c24



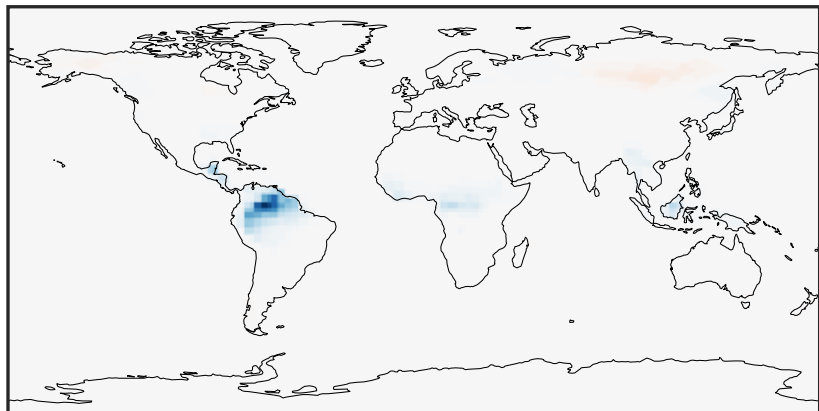
0.0000 0.0313 0.0626 0.0938 0.1251  
ppb

GCHP\_14.2.0 (Dev)  
c24



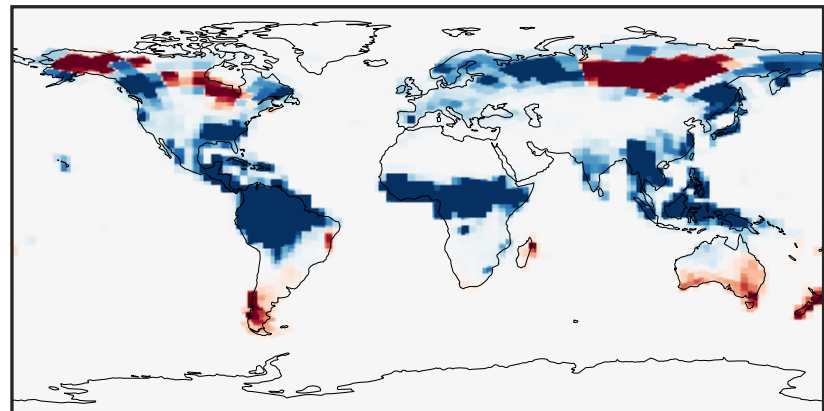
0.0000 0.0313 0.0626 0.0938 0.1251  
ppb

Difference (1x1.25)  
Dev - Ref, Dynamic Range



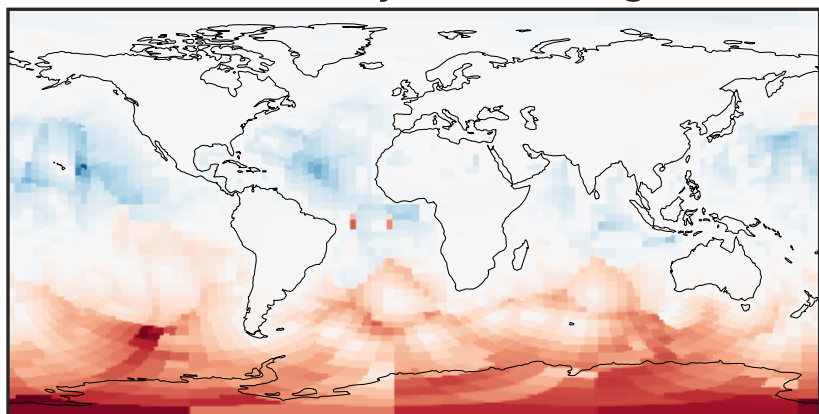
-0.008 0.000 0.008  
ppb

Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



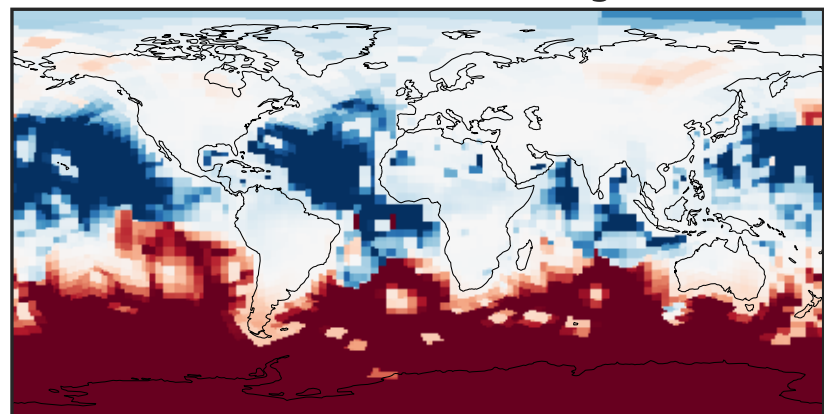
-5 0 5  
ppb 1e-5

Ratio (1x1.25)  
Dev/Ref, Dynamic Range



1e-02 1e-01 1 10 100  
unitless

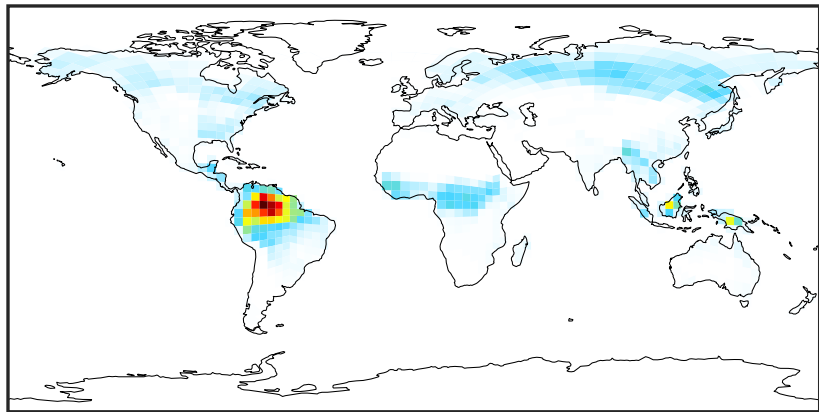
Ratio (1x1.25)  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

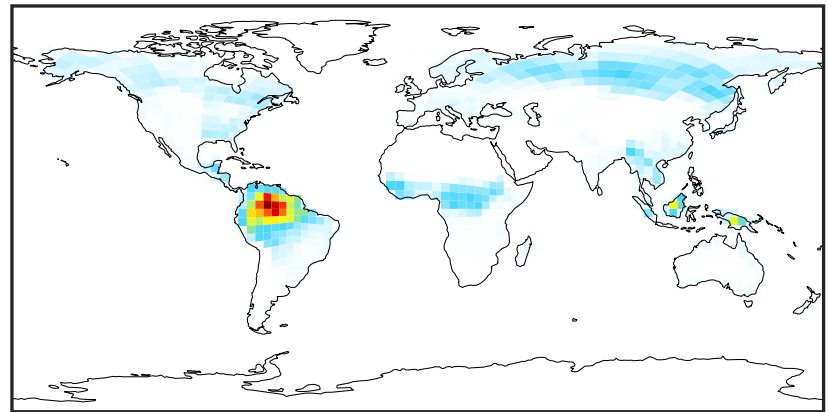
# SpeciesConcVV\_LIMO (Jul2019)

GCHP\_14.0.0 (Ref)  
c24



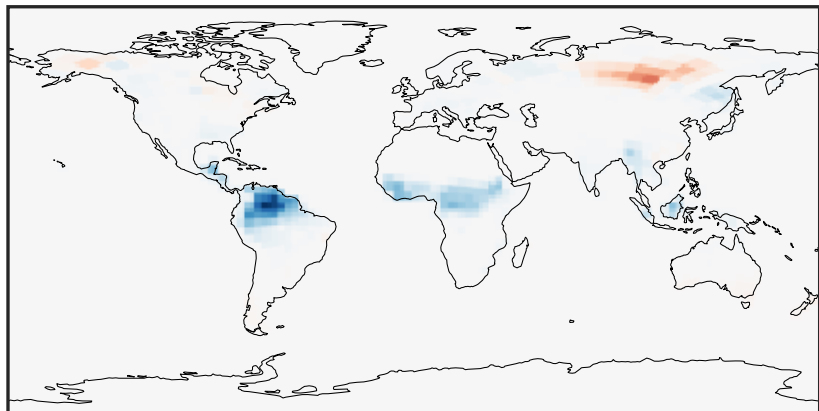
0.0000 0.0263 0.0526 0.0789 0.1052  
ppb

GCHP\_14.2.0 (Dev)  
c24



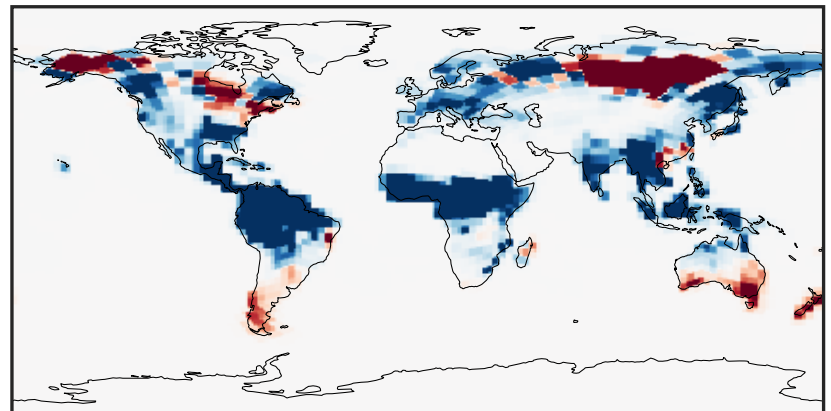
0.0000 0.0263 0.0526 0.0789 0.1052  
ppb

Difference (1x1.25)  
Dev - Ref, Dynamic Range



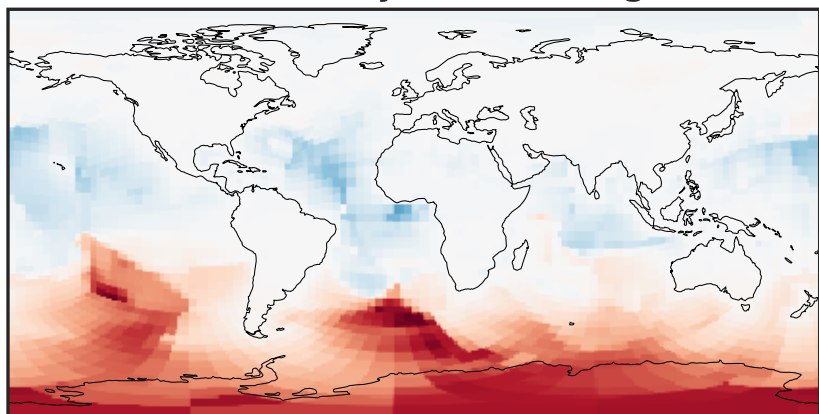
-0.004 0.000 0.004  
ppb

Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



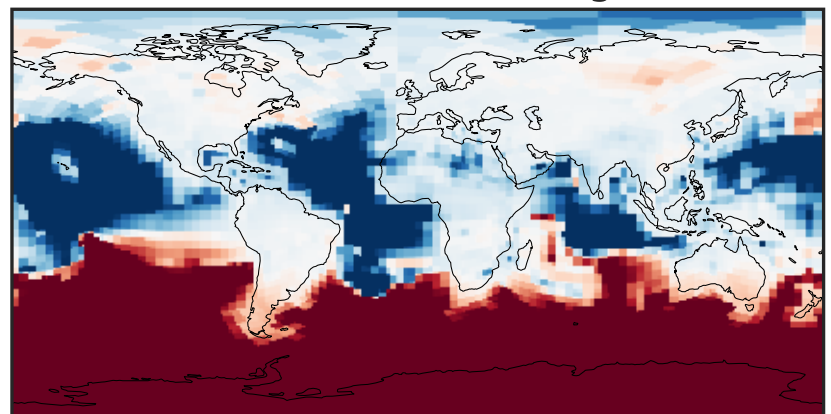
-8 0 8  
ppb 1e-5

Ratio (1x1.25)  
Dev/Ref, Dynamic Range



unitless

Ratio (1x1.25)  
Dev/Ref, Fixed Range

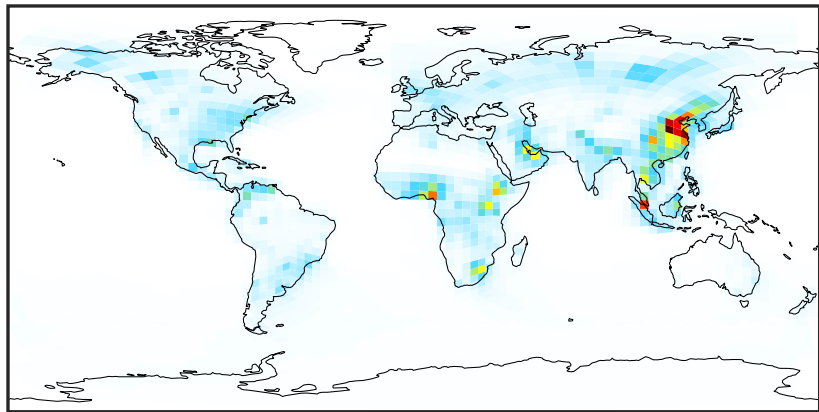


0.50 0.75 1.00 1.50 2.00  
unitless



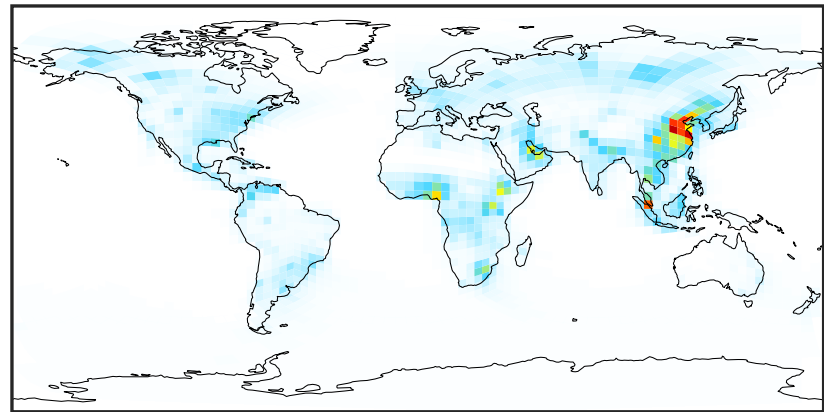
# SpeciesConcVV\_ALK4 (Jul2019)

GCHP\_14.0.0 (Ref)  
c24



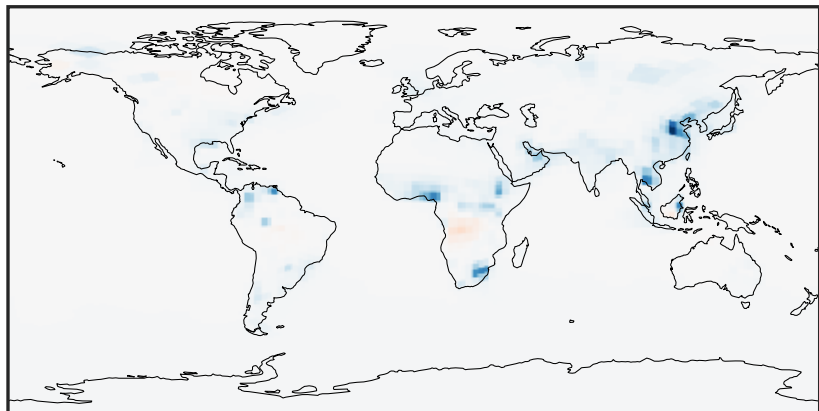
0.000 1.913 3.826 5.739 7.652  
ppb

GCHP\_14.2.0 (Dev)  
c24



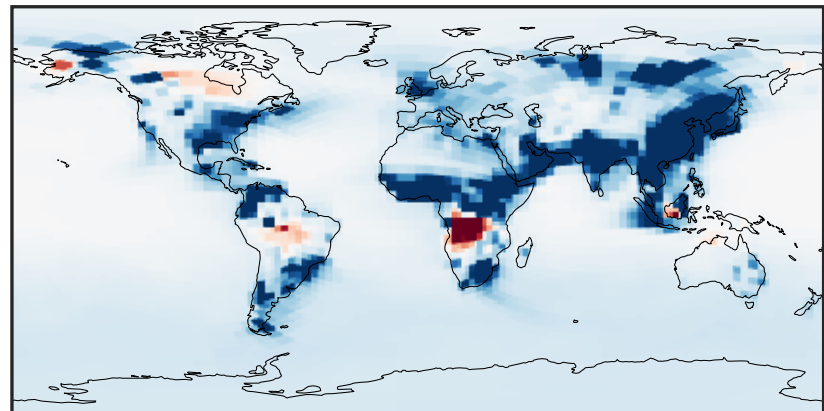
0.000 1.913 3.826 5.739 7.652  
ppb

Difference (1x1.25)  
Dev - Ref, Dynamic Range



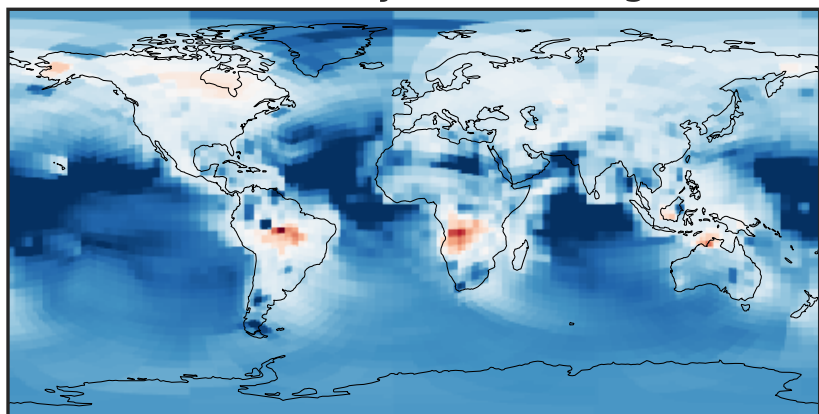
-1.226 -0.613 0.000 0.613 1.226  
ppb

Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



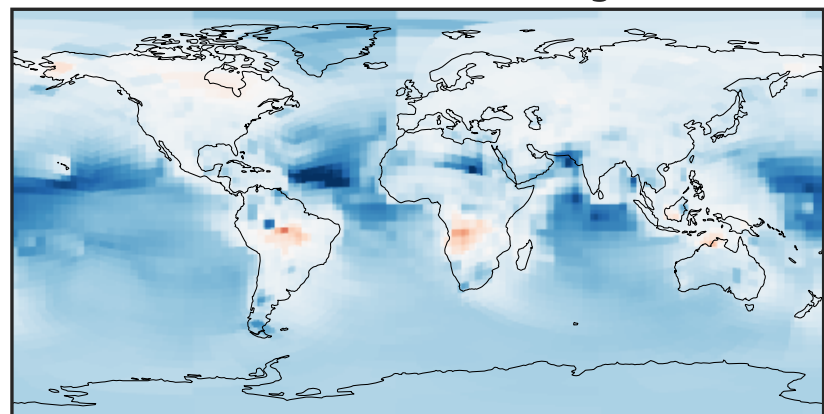
-0.0634 -0.0317 0.0000 0.0317 0.0634  
ppb

Ratio (1x1.25)  
Dev/Ref, Dynamic Range



0.6876 0.8438 1.0000 1.2272 1.4544  
unitless

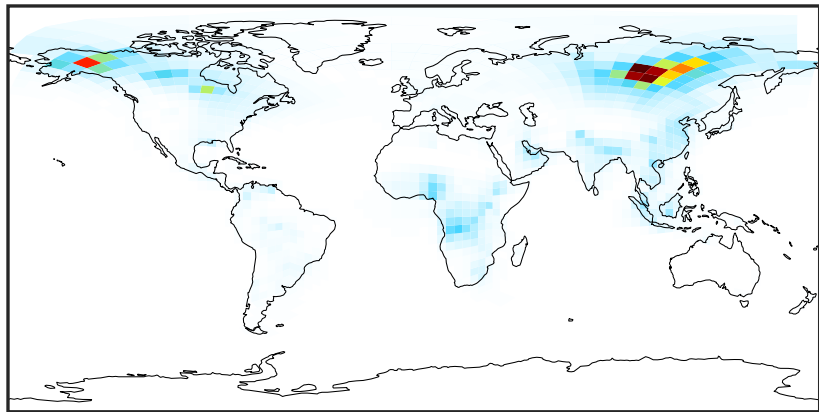
Ratio (1x1.25)  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

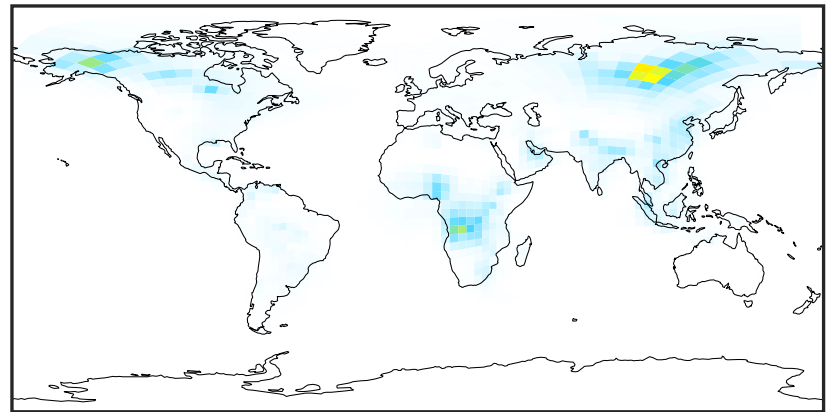
# SpeciesConcVV\_BENZ (Jul2019)

GCHP\_14.0.0 (Ref)  
c24



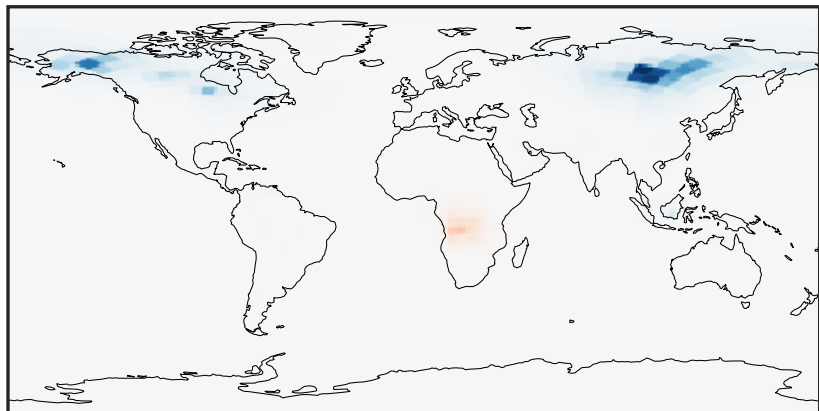
0.00 0.94 1.88 2.82 3.76  
ppb

GCHP\_14.2.0 (Dev)  
c24



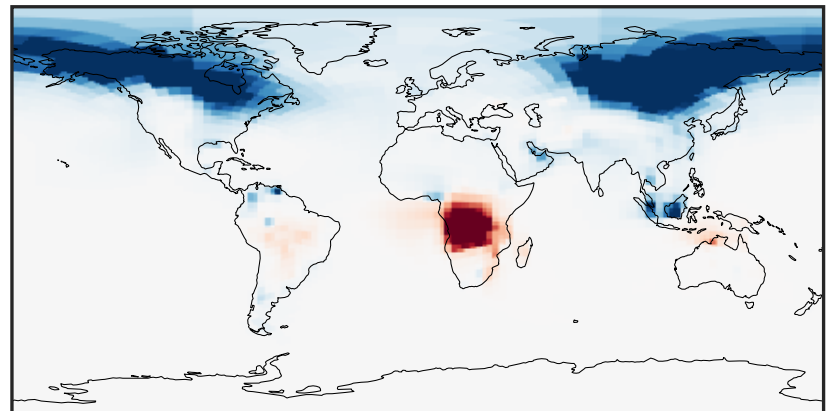
0.00 0.94 1.88 2.82 3.76  
ppb

Difference (1x1.25)  
Dev - Ref, Dynamic Range



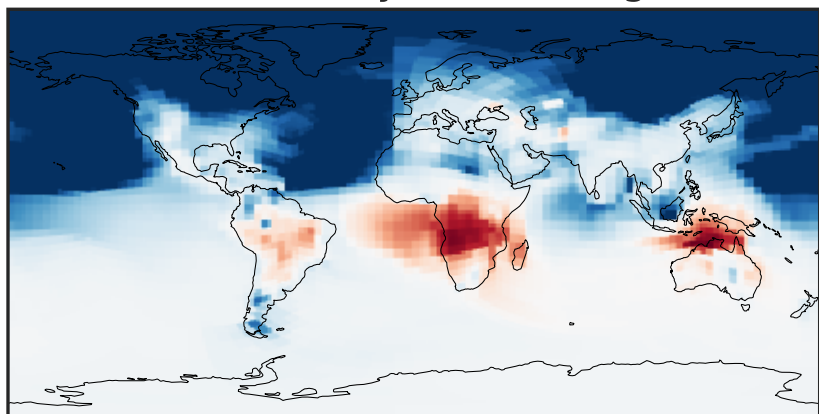
-1.82 -0.91 0.00 0.91 1.82  
ppb

Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



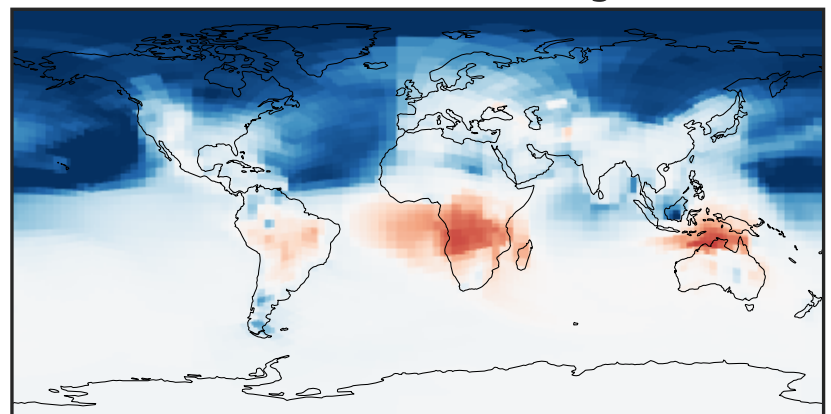
-0.0891 -0.0445 0.0000 0.0445 0.0891  
ppb

Ratio (1x1.25)  
Dev/Ref, Dynamic Range



0.6195 0.8097 1.0000 1.3071 1.6142  
unitless

Ratio (1x1.25)  
Dev/Ref, Fixed Range

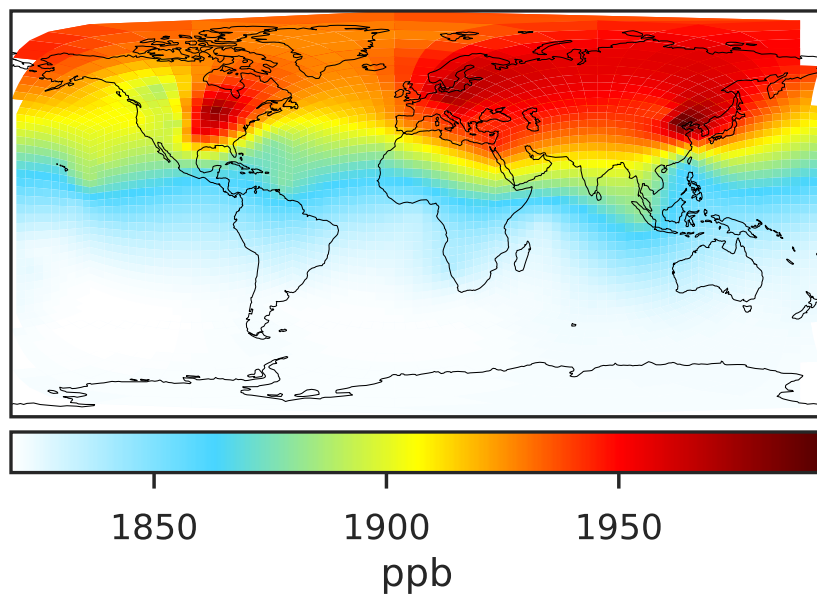


0.50 0.75 1.00 1.50 2.00  
unitless

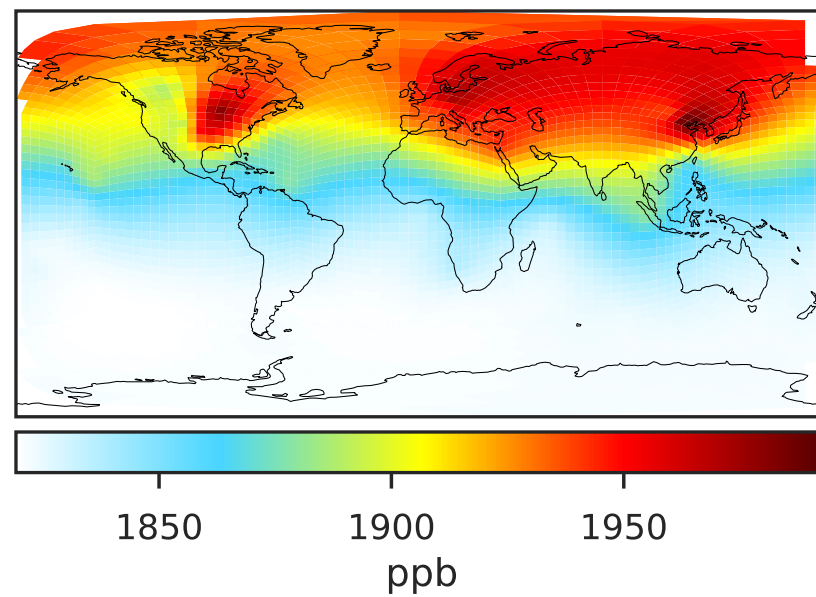


# SpeciesConcVV\_CH4 (Jul2019)

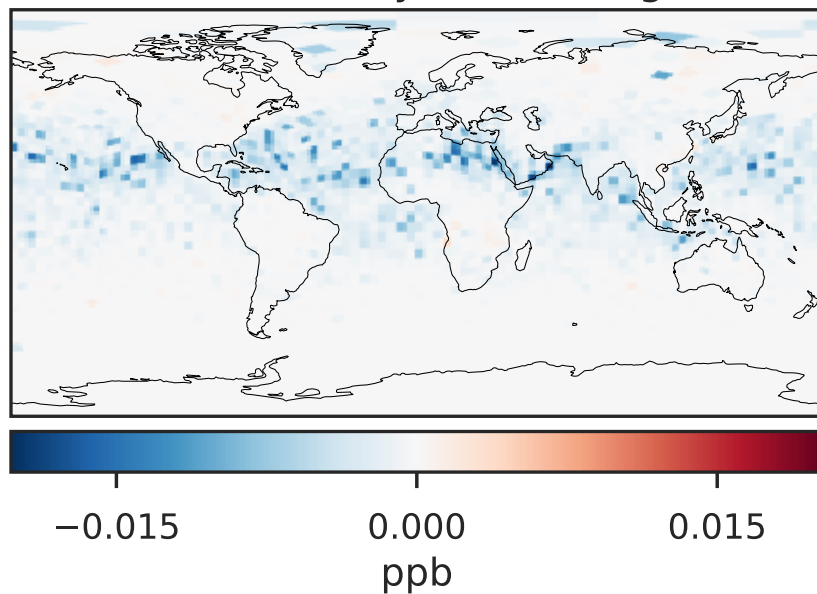
GCHP\_14.0.0 (Ref)  
c24



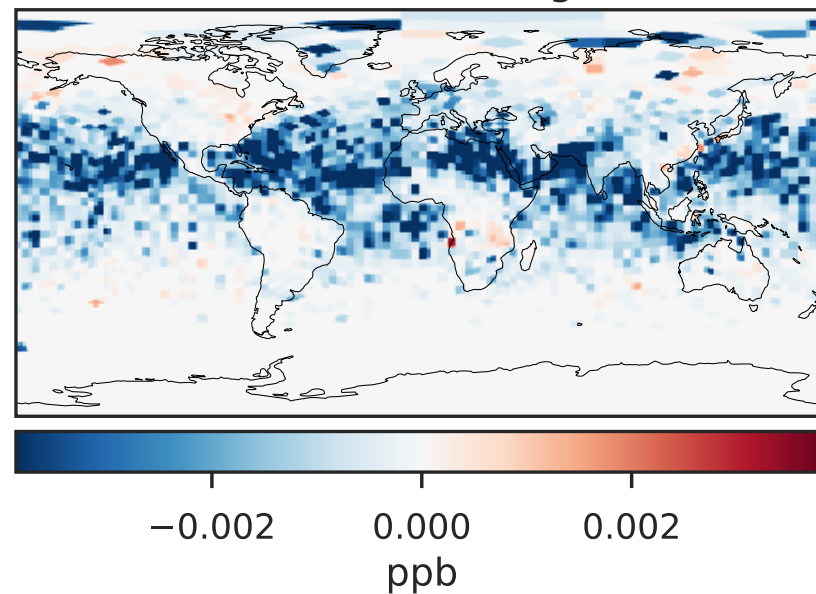
GCHP\_14.2.0 (Dev)  
c24



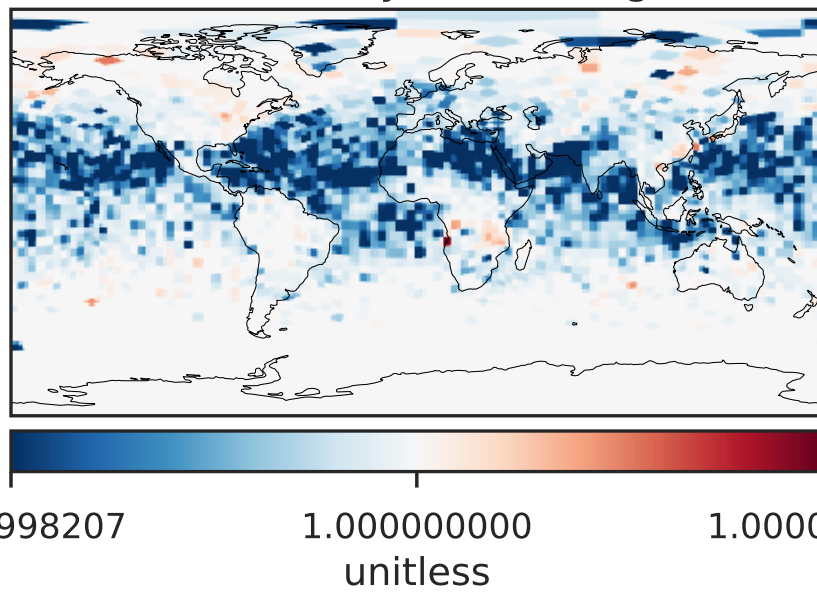
Difference (1x1.25)  
Dev - Ref, Dynamic Range



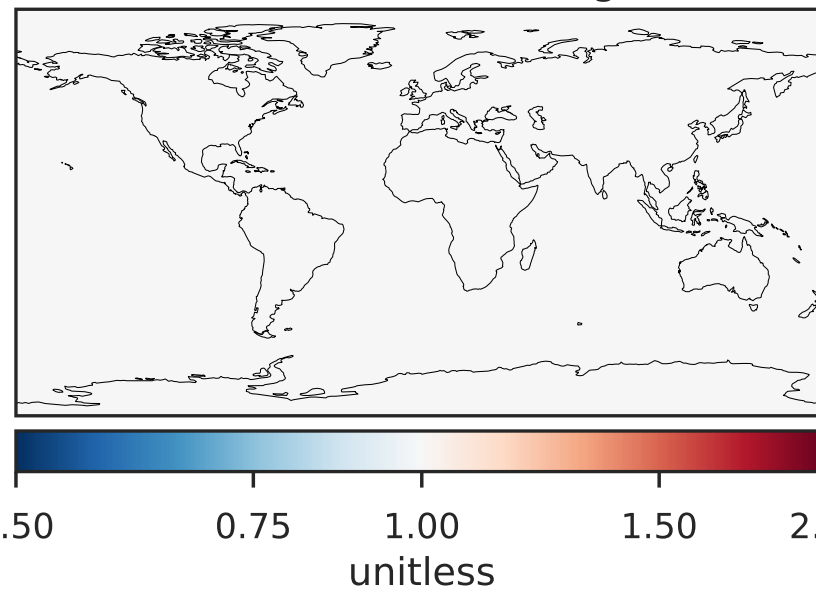
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)  
Dev/Ref, Dynamic Range

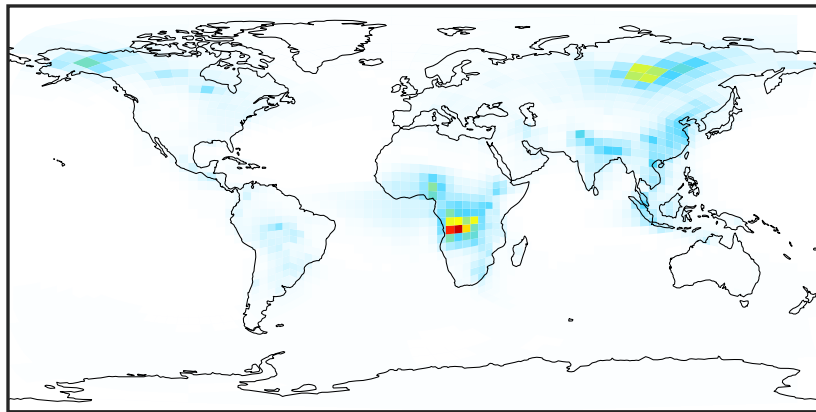


Ratio (1x1.25)  
Dev/Ref, Fixed Range



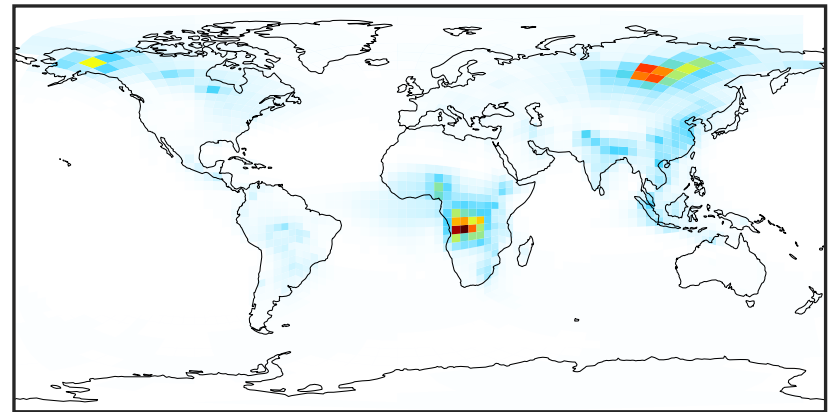
# SpeciesConcVW\_C2H2 (Jul2019)

GCHP\_14.0.0 (Ref)  
c24



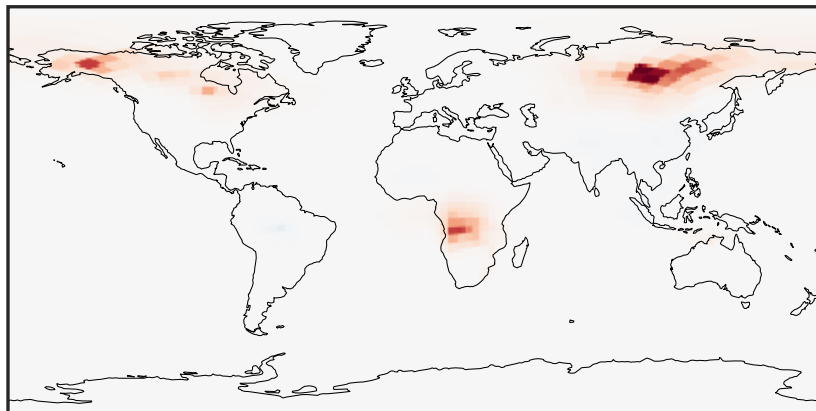
0.003 1.046 2.091 3.137 4.185  
ppb

GCHP\_14.2.0 (Dev)  
c24



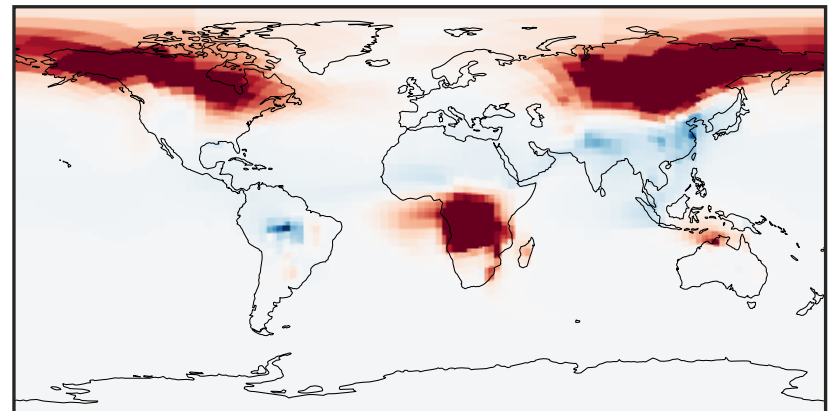
0.003 1.046 2.091 3.137 4.185  
ppb

Difference (1x1.25)  
Dev - Ref, Dynamic Range



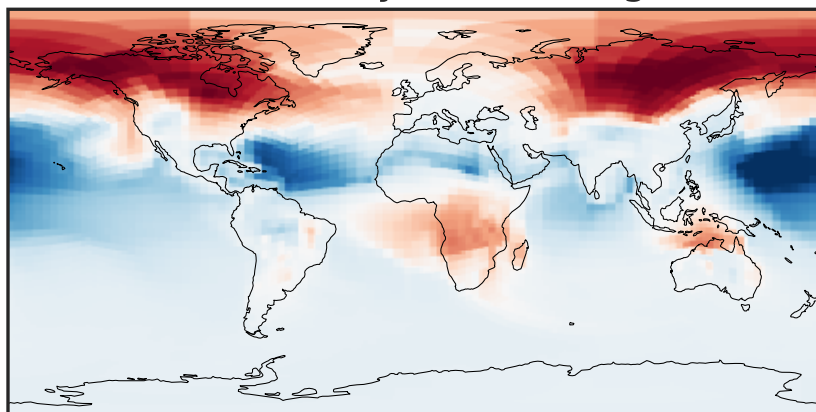
-1.034 -0.517 0.000 0.517 1.034  
ppb

Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



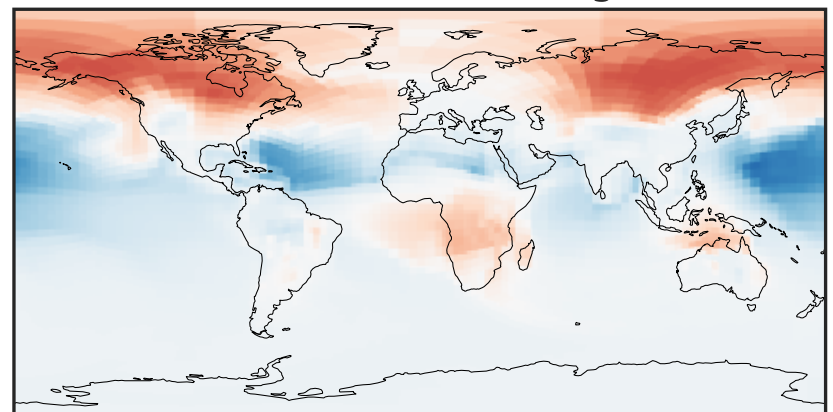
-0.0593 -0.0296 0.0000 0.0296 0.0593  
ppb

Ratio (1x1.25)  
Dev/Ref, Dynamic Range



0.6421 0.8211 1.0000 1.2787 1.5573  
unitless

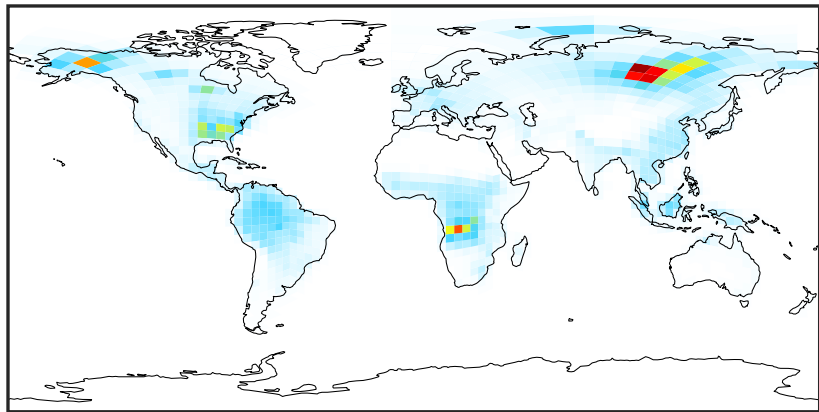
Ratio (1x1.25)  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

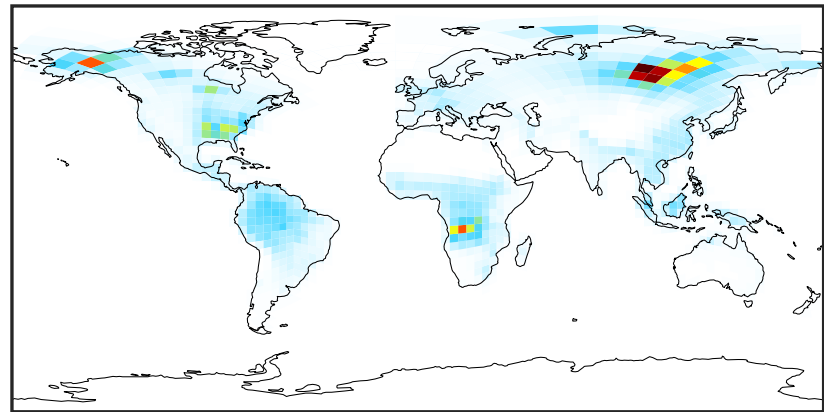
# SpeciesConcVW\_C2H4 (Jul2019)

GCHP\_14.0.0 (Ref)  
c24



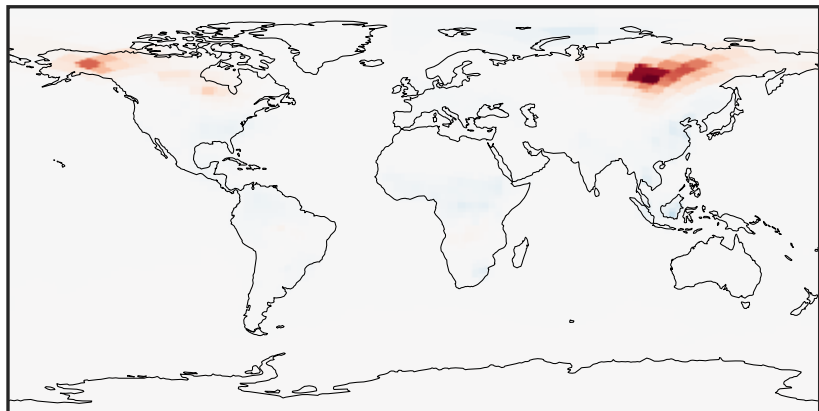
0.00 3.17 6.35 9.52 12.69  
ppb

GCHP\_14.2.0 (Dev)  
c24



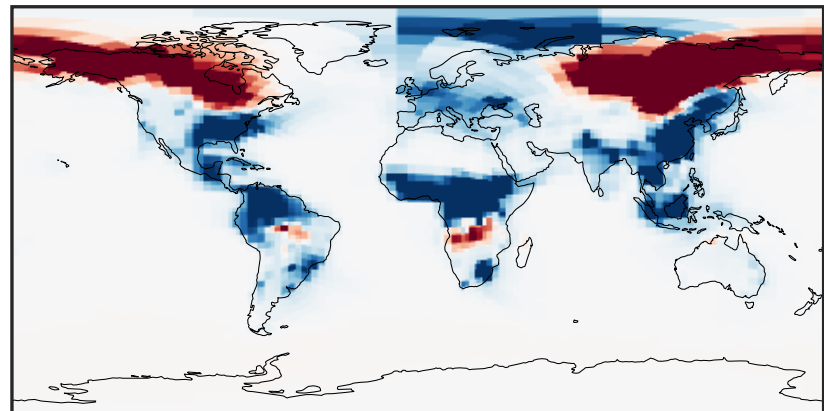
0.00 3.17 6.35 9.52 12.69  
ppb

Difference (1x1.25)  
Dev - Ref, Dynamic Range



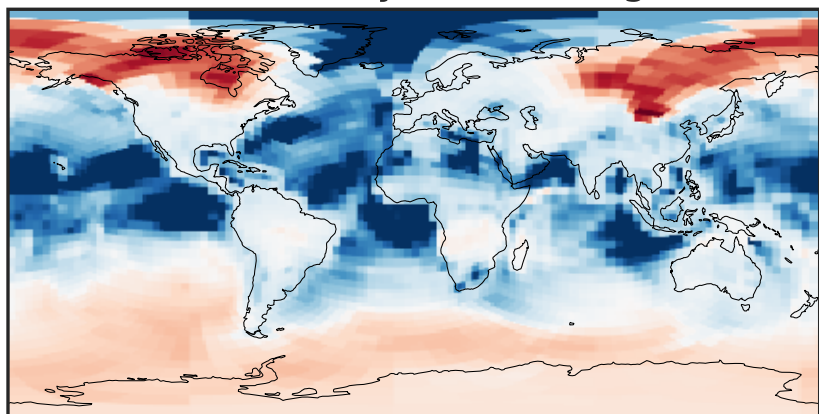
-1.582 -0.791 0.000 0.791 1.582  
ppb

Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



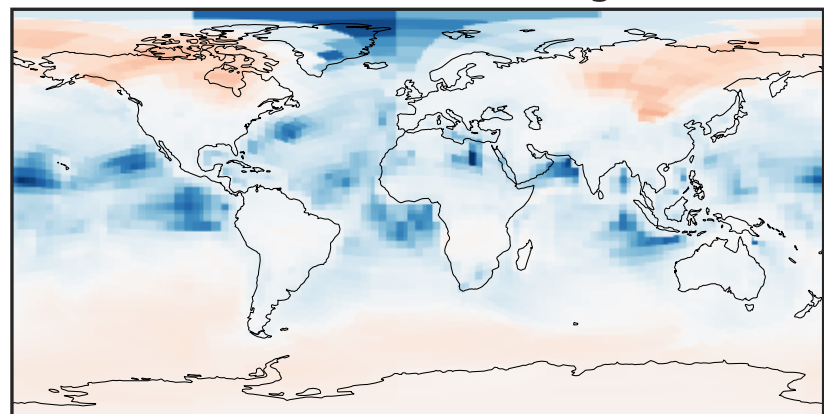
-0.02 0.00 0.02  
ppb

Ratio (1x1.25)  
Dev/Ref, Dynamic Range



0.7888 0.8944 1.0000 1.1338 1.2677  
unitless

Ratio (1x1.25)  
Dev/Ref, Fixed Range

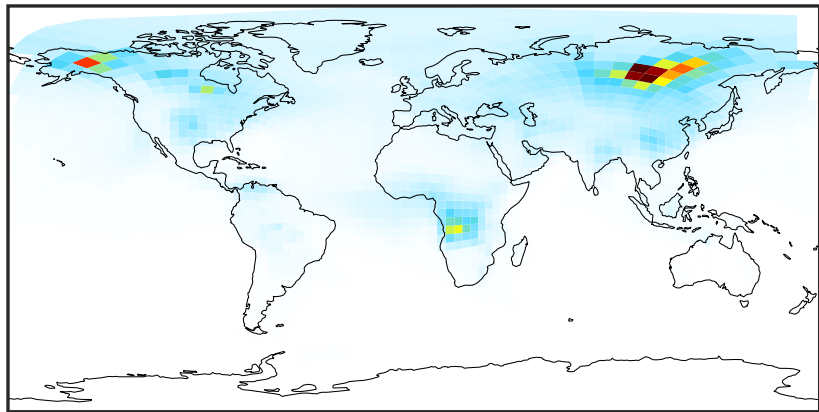


0.50 0.75 1.00 1.50 2.00  
unitless



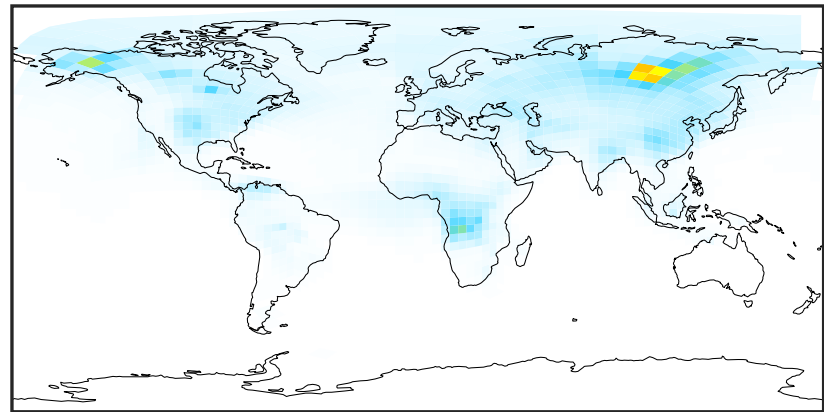
# SpeciesConcVW\_C2H6 (Jul2019)

GCHP\_14.0.0 (Ref)  
c24



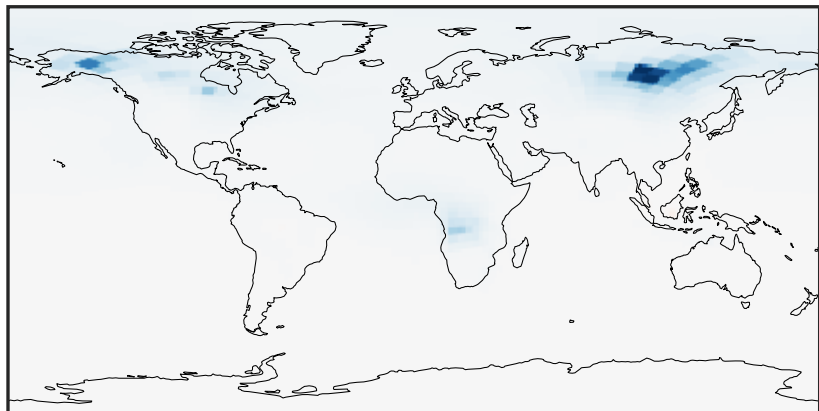
0.08 4.24 8.48 12.72 17.03  
ppb

GCHP\_14.2.0 (Dev)  
c24



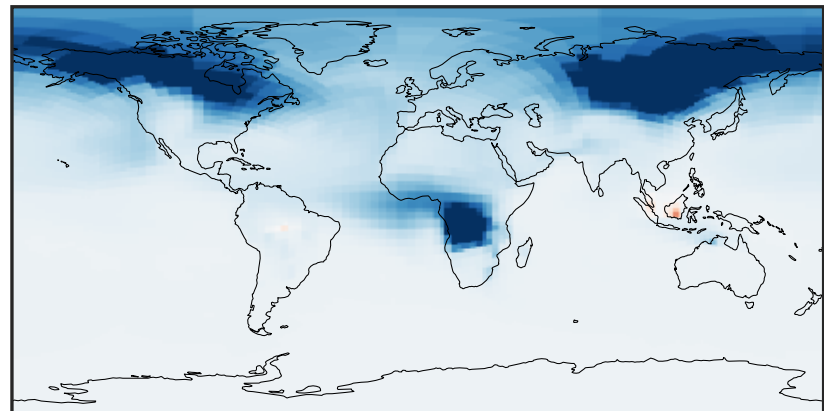
0.08 4.24 8.48 12.72 17.03  
ppb

Difference (1x1.25)  
Dev - Ref, Dynamic Range



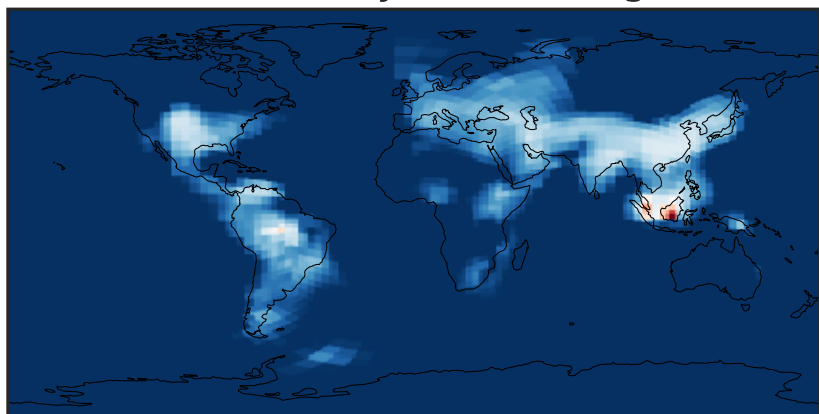
-7.49 -3.74 0.00 3.74 7.49  
ppb

Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



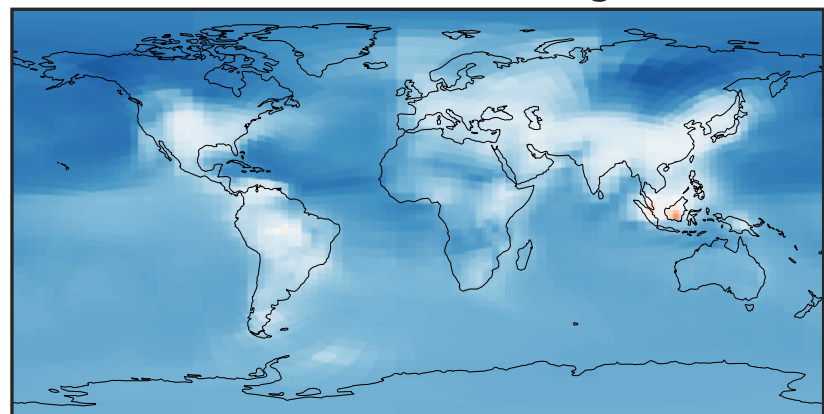
-0.654 -0.327 0.000 0.327 0.654  
ppb

Ratio (1x1.25)  
Dev/Ref, Dynamic Range



0.7422 0.8711 1.0000 1.1737 1.3473  
unitless

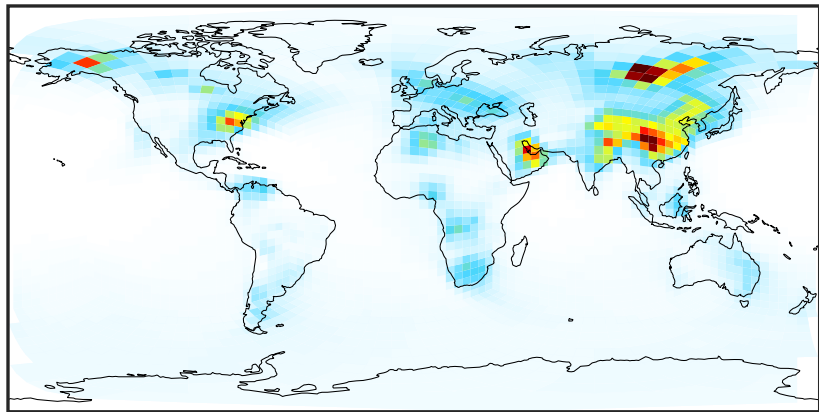
Ratio (1x1.25)  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

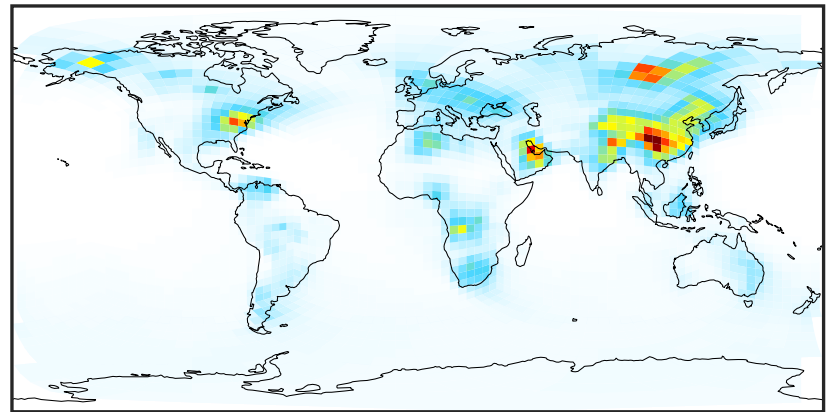
# SpeciesConcVW\_C3H8 (Jul2019)

GCHP\_14.0.0 (Ref)  
c24



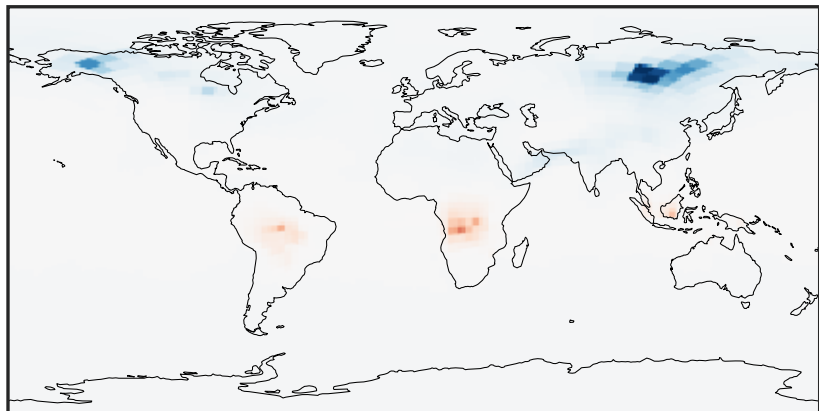
0.001 0.665 1.329 1.994 2.659  
ppb

GCHP\_14.2.0 (Dev)  
c24



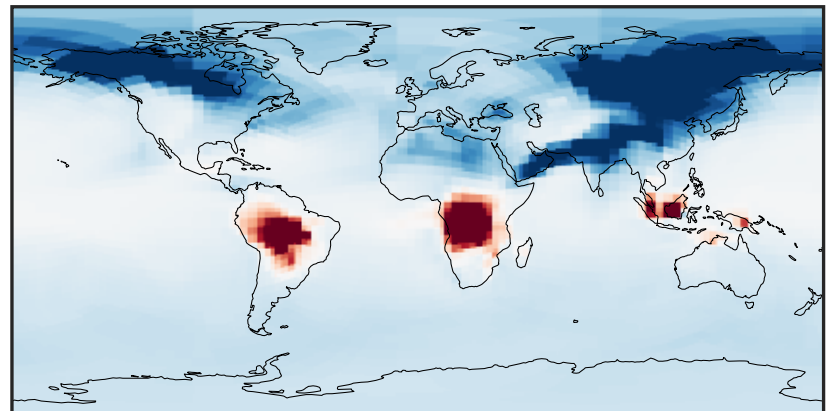
0.001 0.665 1.329 1.994 2.659  
ppb

Difference (1x1.25)  
Dev - Ref, Dynamic Range



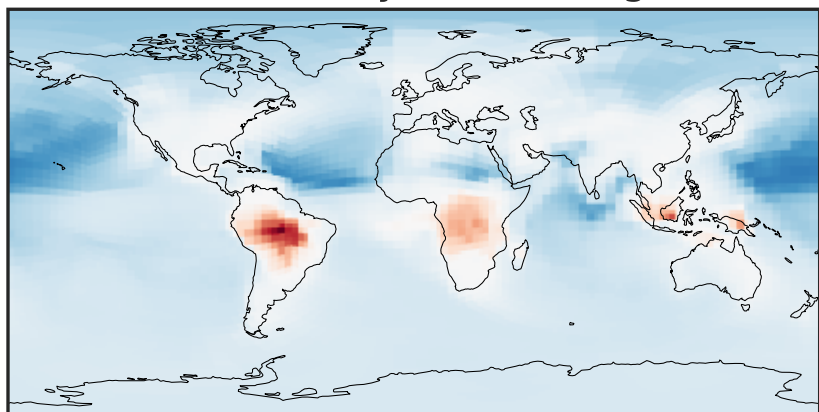
-0.846 -0.423 0.000 0.423 0.846  
ppb

Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



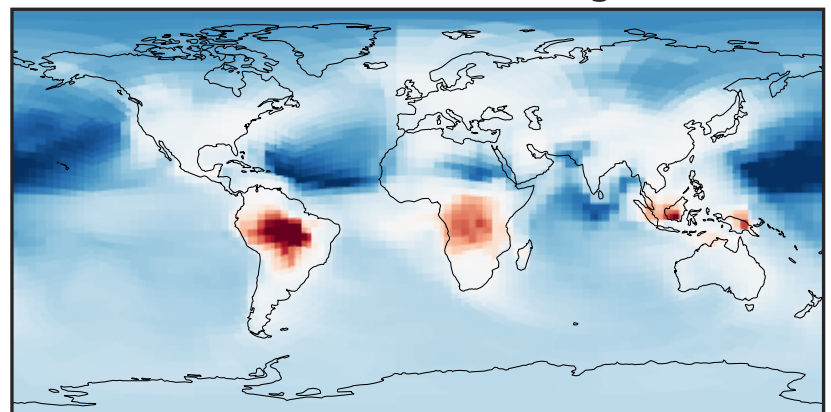
-0.025 0.000 0.025  
ppb

Ratio (1x1.25)  
Dev/Ref, Dynamic Range



0.325 0.662 1.000 2.039 3.077  
unitless

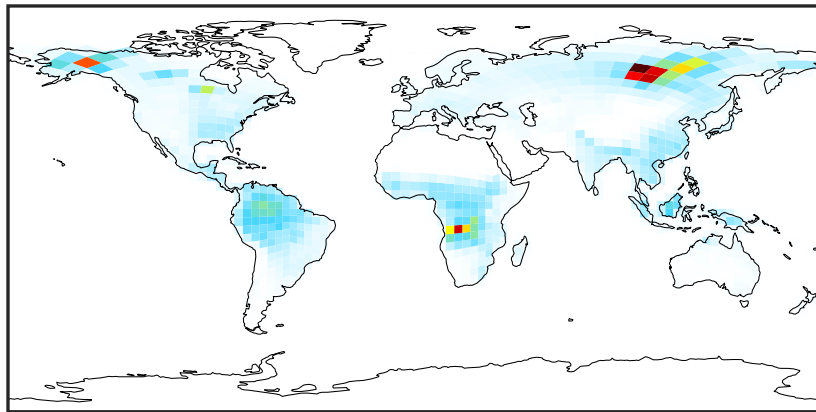
Ratio (1x1.25)  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

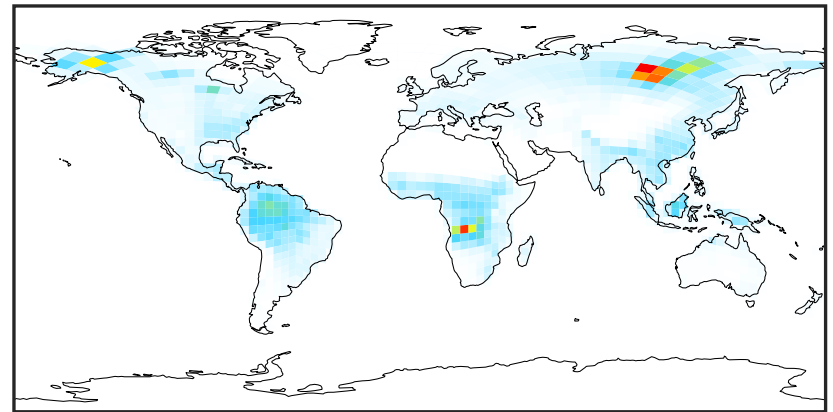
# SpeciesConcVV\_PRPE (Jul2019)

GCHP\_14.0.0 (Ref)  
c24



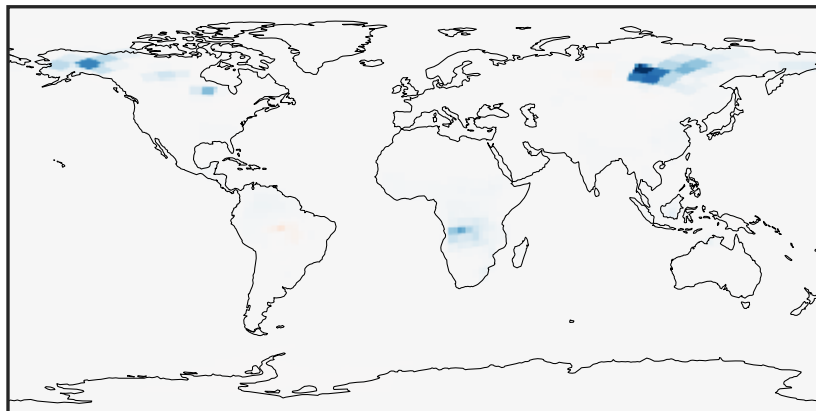
0.000 1.464 2.928 4.392 5.856  
ppb

GCHP\_14.2.0 (Dev)  
c24



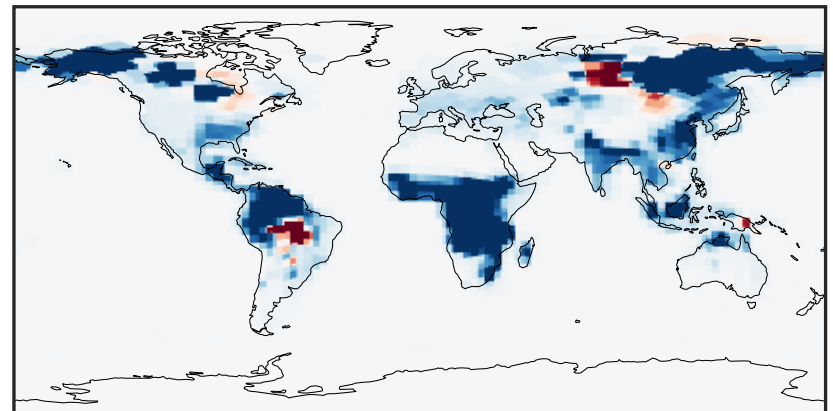
0.000 1.464 2.928 4.392 5.856  
ppb

Difference (1x1.25)  
Dev - Ref, Dynamic Range



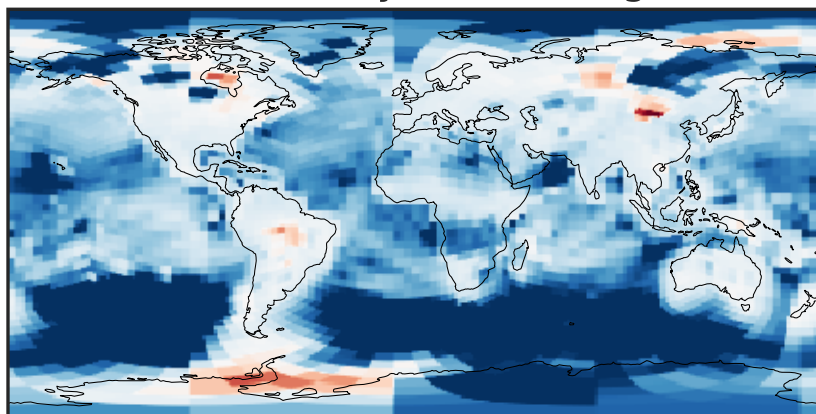
-1.397 -0.699 0.000 0.699 1.397  
ppb

Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



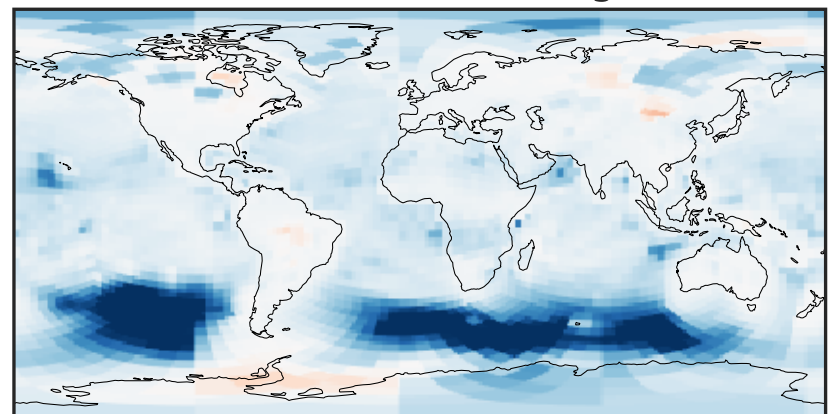
-0.01 0.00 0.01  
ppb

Ratio (1x1.25)  
Dev/Ref, Dynamic Range



0.8043 0.9022 1.0000 1.1217 1.2433  
unitless

Ratio (1x1.25)  
Dev/Ref, Fixed Range

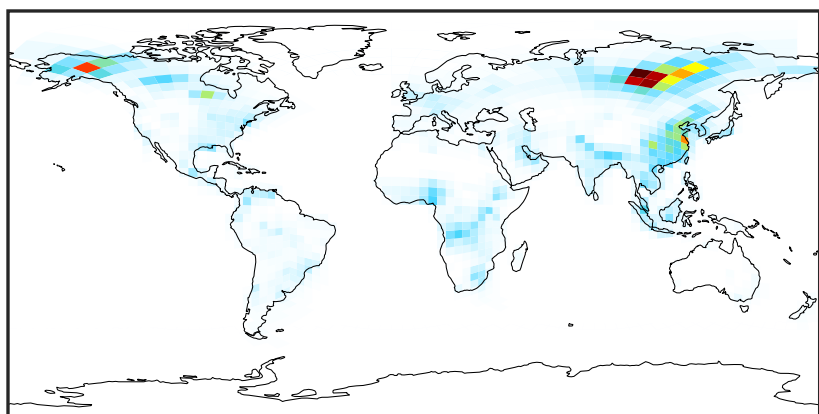


0.50 0.75 1.00 1.50 2.00  
unitless



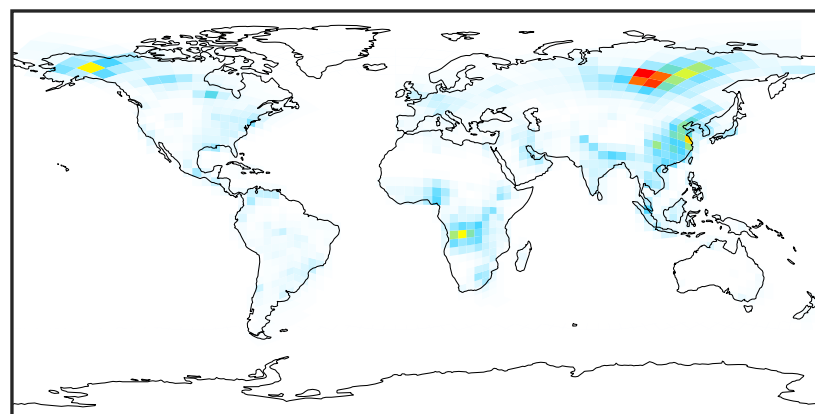
# SpeciesConcVV\_TOLU (Jul2019)

GCHP\_14.0.0 (Ref)  
c24



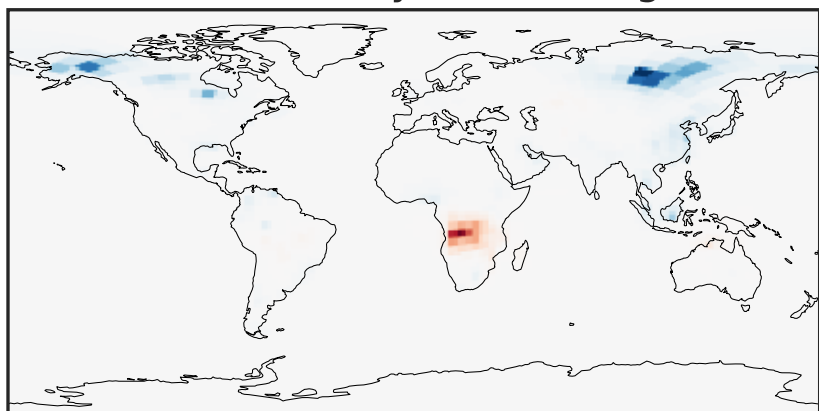
0.000 0.301 0.603 0.904 1.205  
ppb

GCHP\_14.2.0 (Dev)  
c24



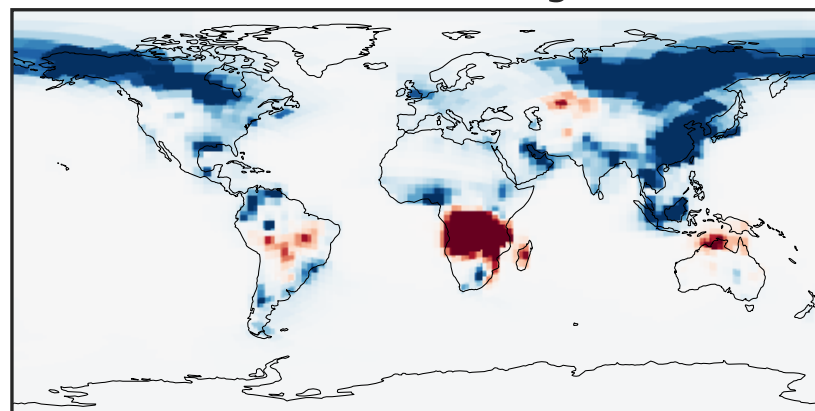
0.000 0.301 0.603 0.904 1.205  
ppb

Difference (1x1.25)  
Dev - Ref, Dynamic Range



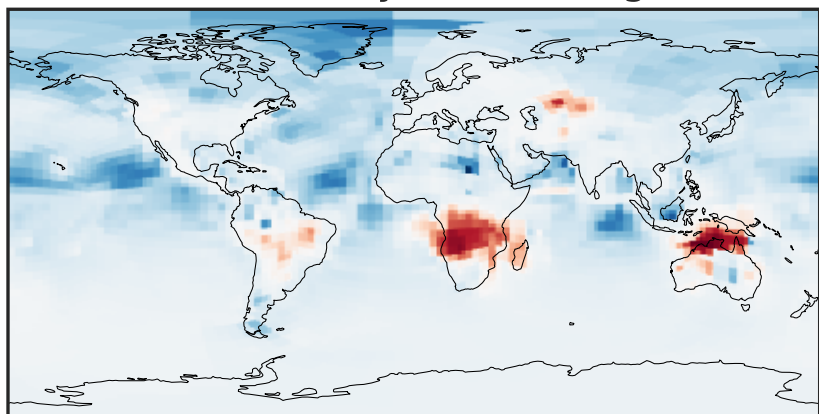
-0.306 -0.153 0.000 0.153 0.306  
ppb

Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



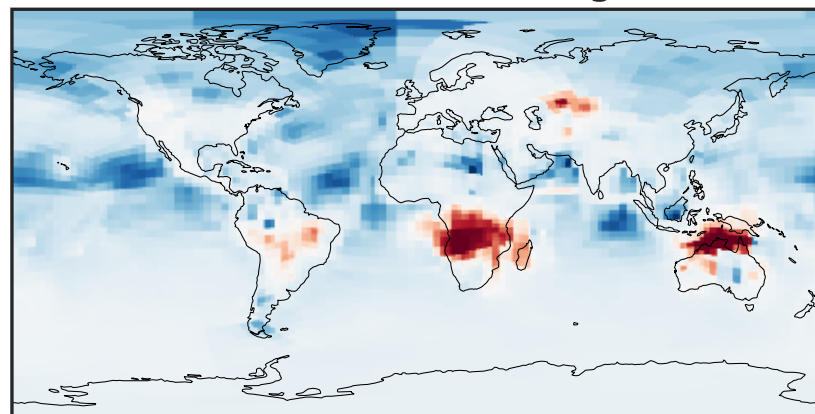
-0.005 0.000 0.005  
ppb

Ratio (1x1.25)  
Dev/Ref, Dynamic Range



0.431 0.716 1.000 1.659 2.318  
unitless

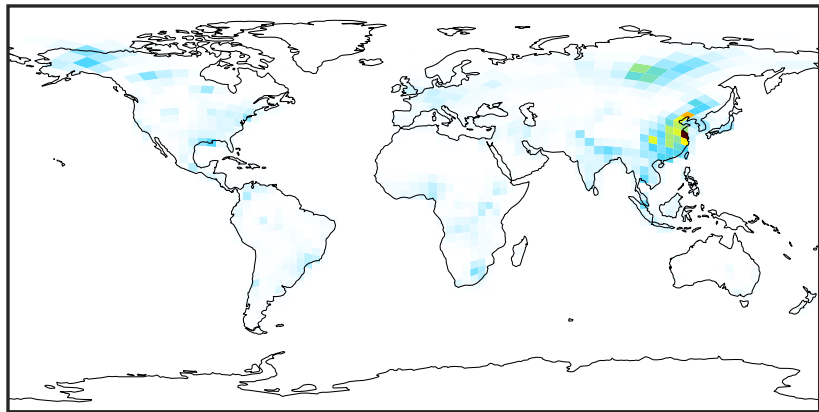
Ratio (1x1.25)  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

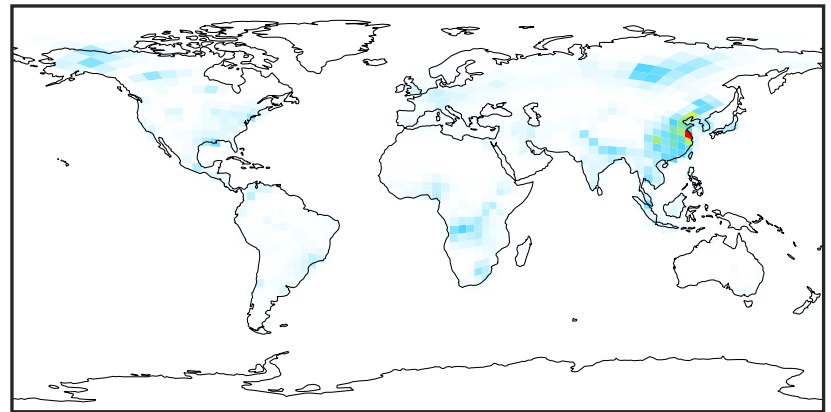
# SpeciesConcVV\_XYLE (Jul2019)

GCHP\_14.0.0 (Ref)  
c24



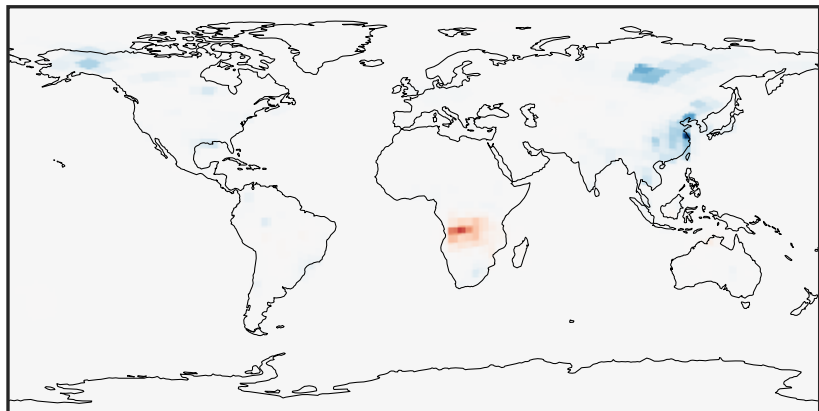
0.0000 0.2211 0.4422 0.6634 0.8845  
ppb

GCHP\_14.2.0 (Dev)  
c24



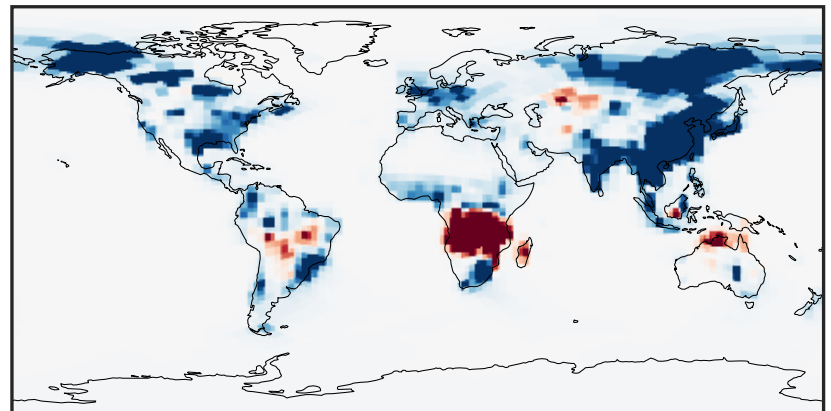
0.0000 0.2211 0.4422 0.6634 0.8845  
ppb

Difference (1x1.25)  
Dev - Ref, Dynamic Range



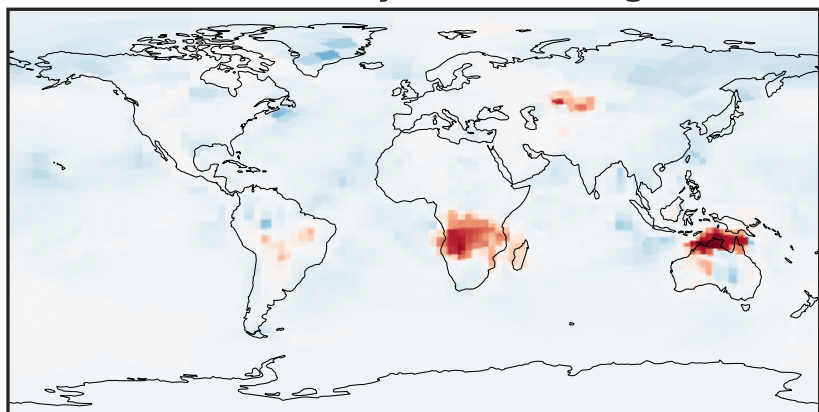
-0.2205 -0.1103 0.0000 0.1103 0.2205  
ppb

Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



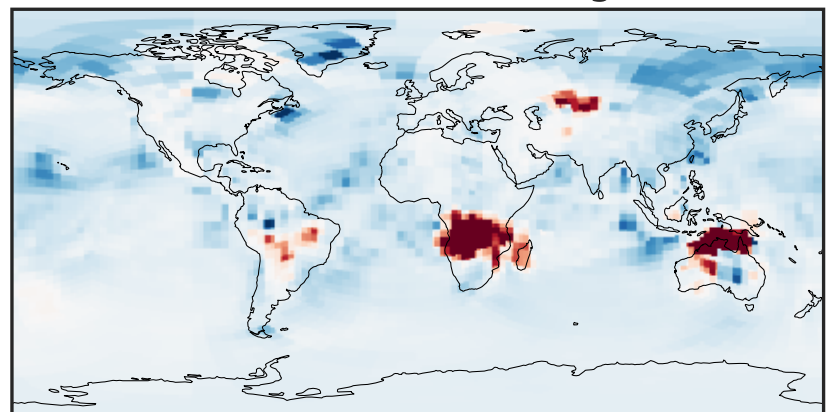
-0.002 0.000 0.002  
ppb

Ratio (1x1.25)  
Dev/Ref, Dynamic Range



0.179 0.589 1.000 3.295 5.591  
unitless

Ratio (1x1.25)  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless