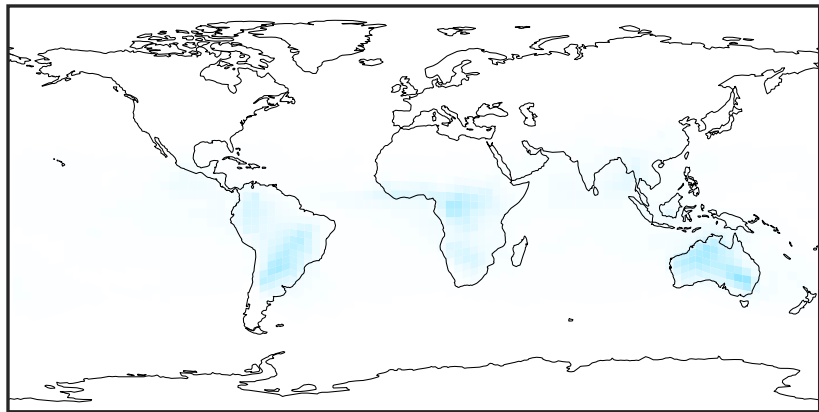


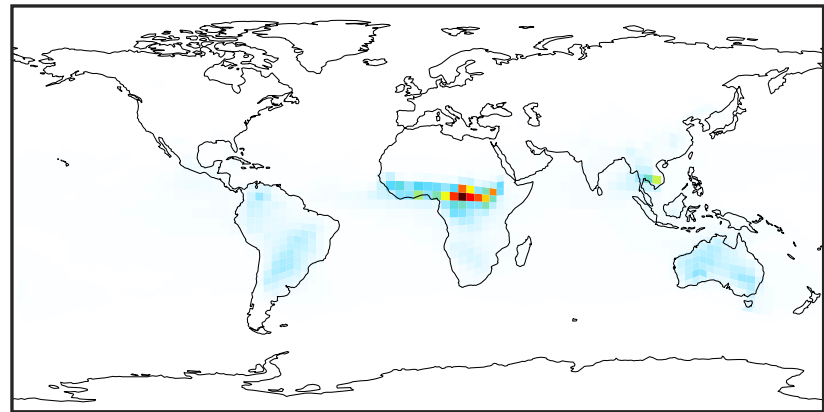
# SpeciesConcVV\_ACTA (Jan2019)

GCHP\_14.0.0 (Ref)  
c24



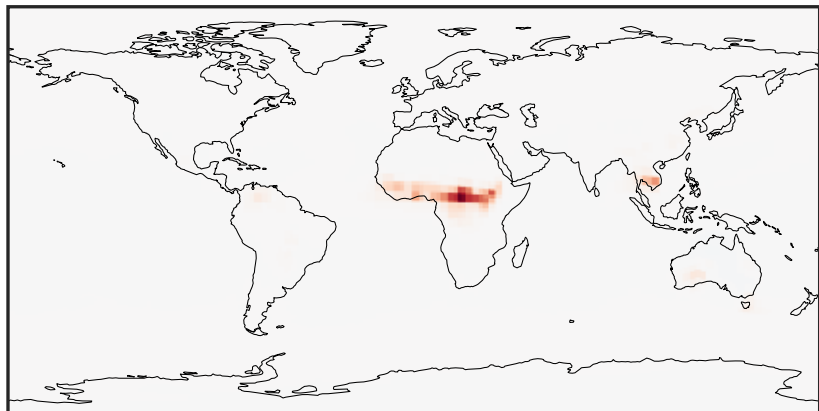
0.000 1.467 2.934 4.401 5.868  
ppb

GCHP\_14.2.0 (Dev)  
c24



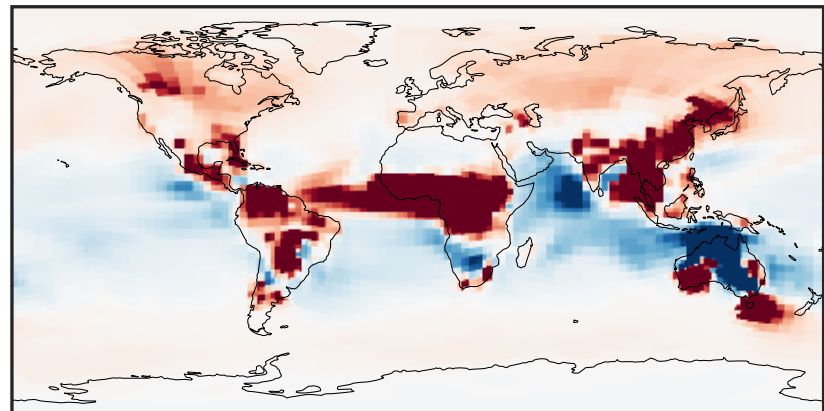
0.000 1.467 2.934 4.401 5.868  
ppb

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



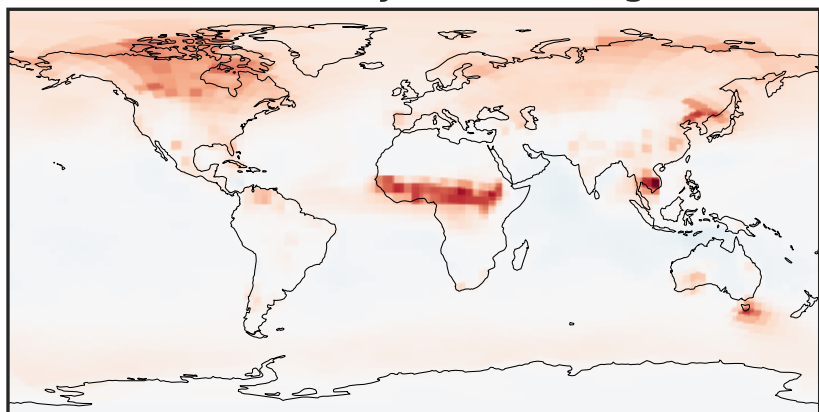
-5.37 -2.69 0.00 2.69 5.37  
ppb

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



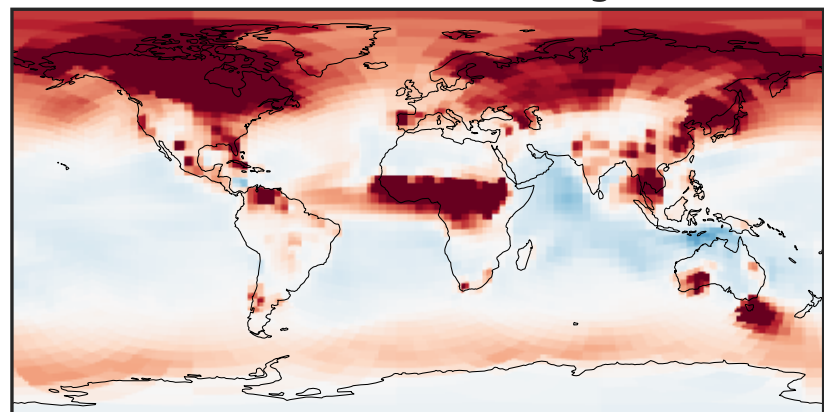
-0.01 0.00 0.01  
ppb

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



1e-01 1 10  
unitless

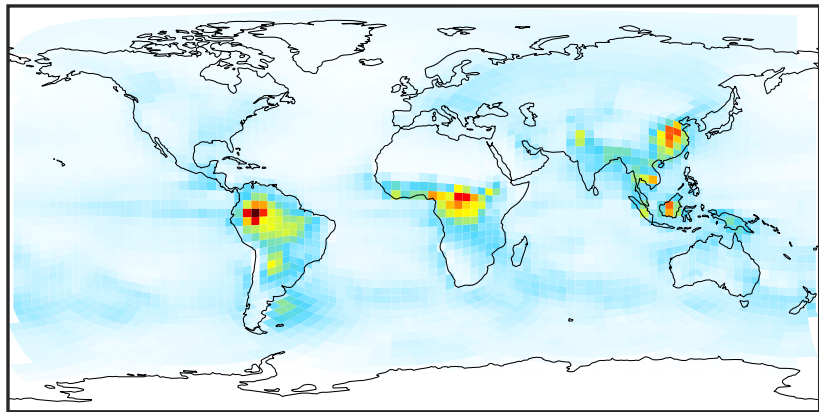
Ratio (1x1.25)  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

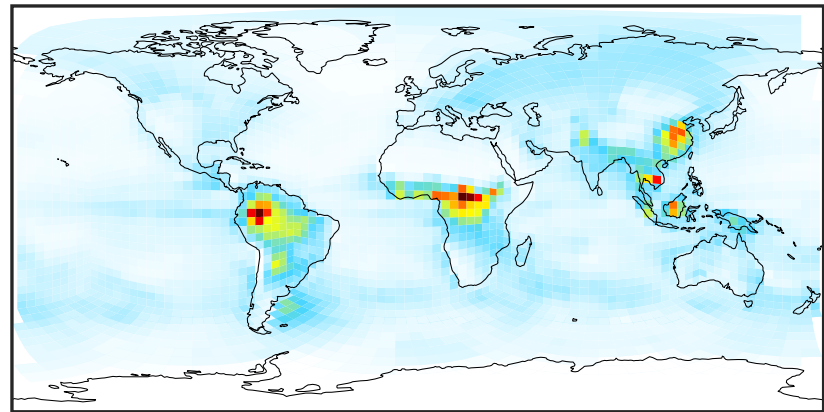
# SpeciesConcVV\_ALD2 (Jan2019)

GCHP\_14.0.0 (Ref)  
c24



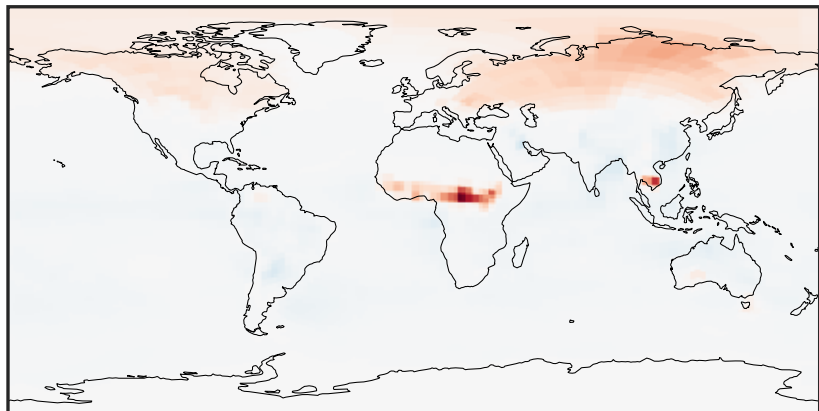
0.000 0.832 1.664 2.495 3.327  
ppb

GCHP\_14.2.0 (Dev)  
c24



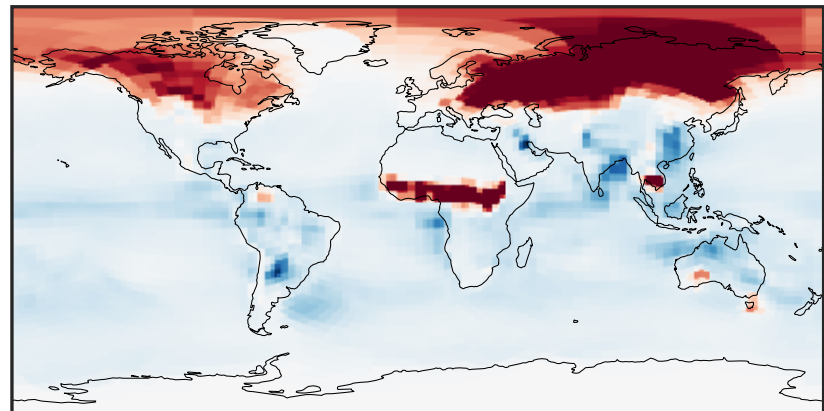
0.000 0.832 1.664 2.495 3.327  
ppb

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



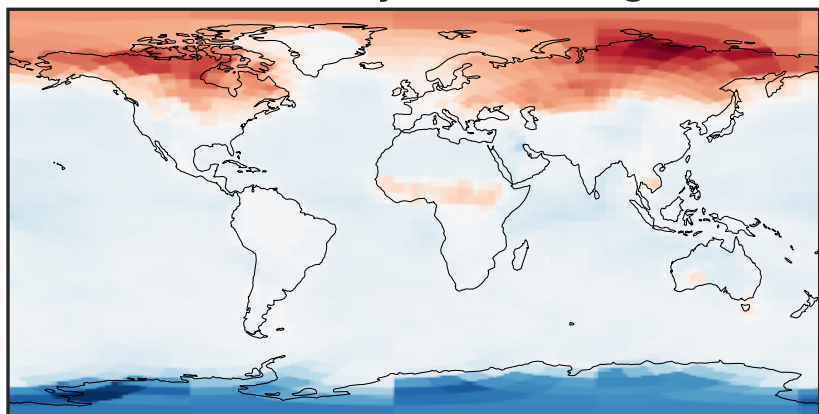
-0.765 -0.382 0.000 0.382 0.765  
ppb

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



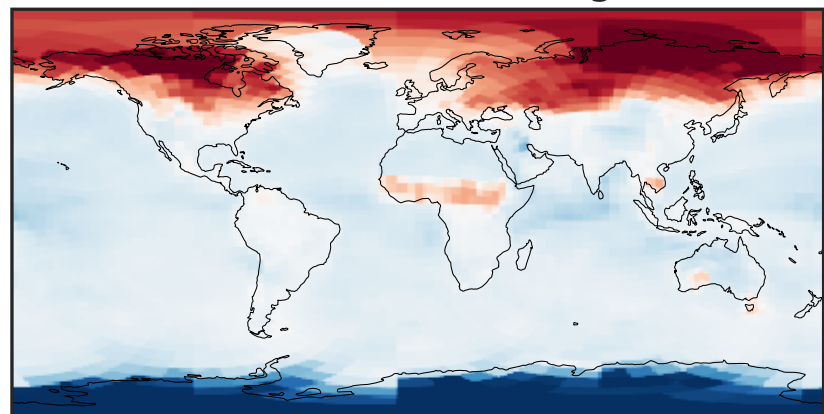
-0.1144 -0.0572 0.0000 0.0572 0.1144  
ppb

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



0.322 0.661 1.000 2.052 3.103  
unitless

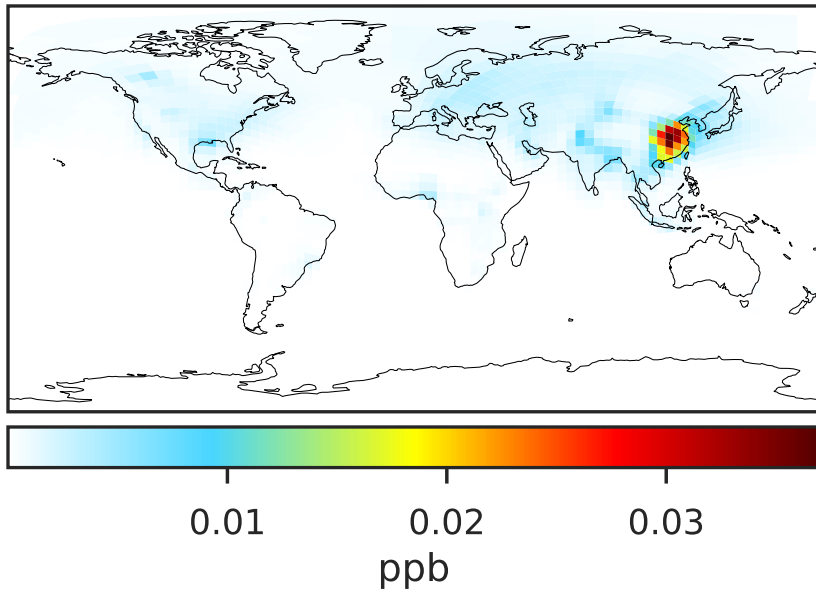
Ratio (1x1.25)  
Dev/Ref, Fixed Range



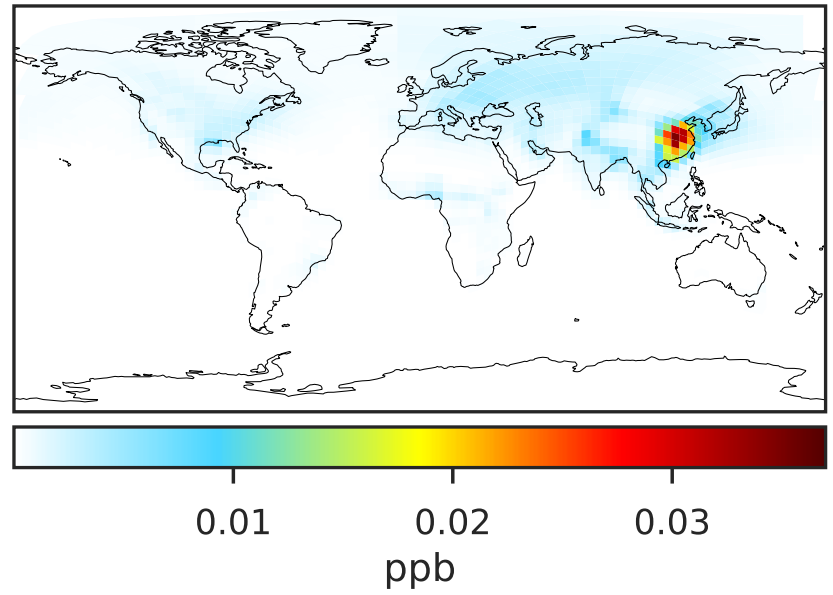
0.50 0.75 1.00 1.50 2.00  
unitless

# SpeciesConcVV\_BALD (Jan2019)

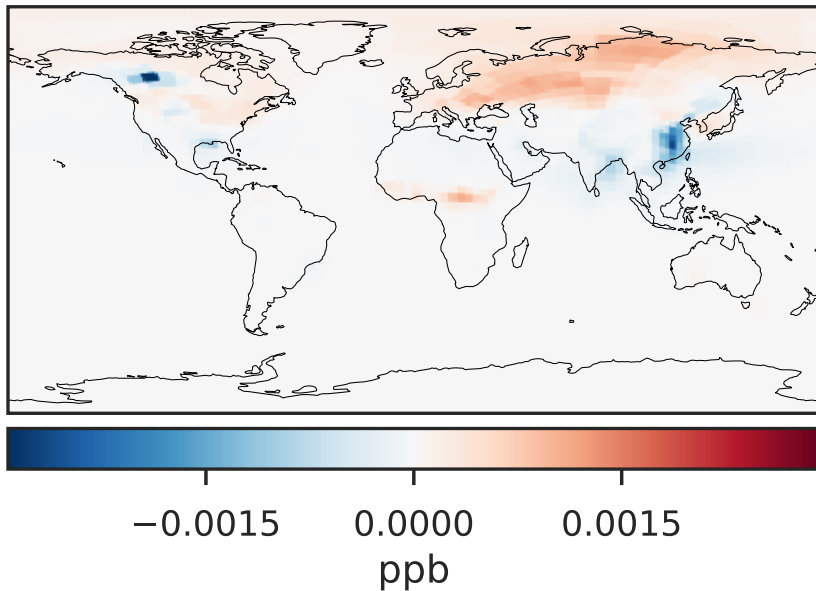
GCHP\_14.0.0 (Ref)  
c24



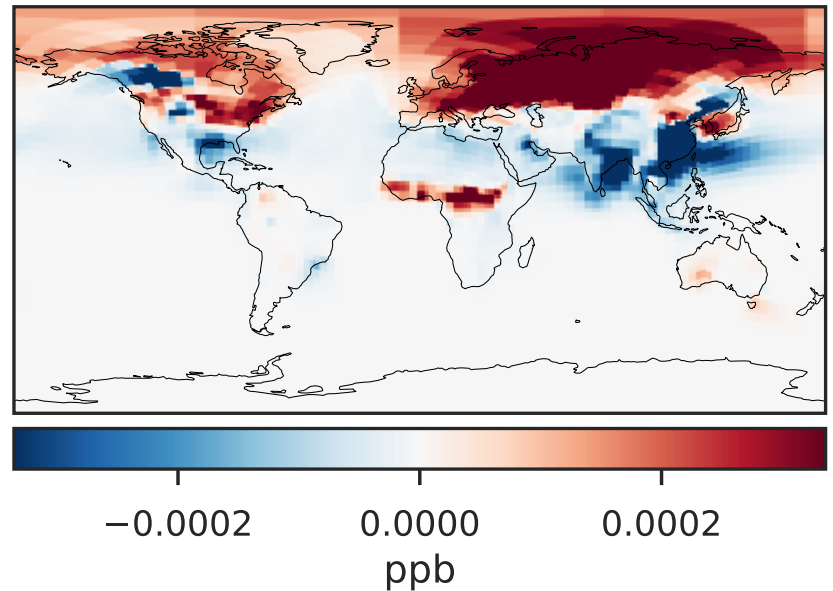
GCHP\_14.2.0 (Dev)  
c24



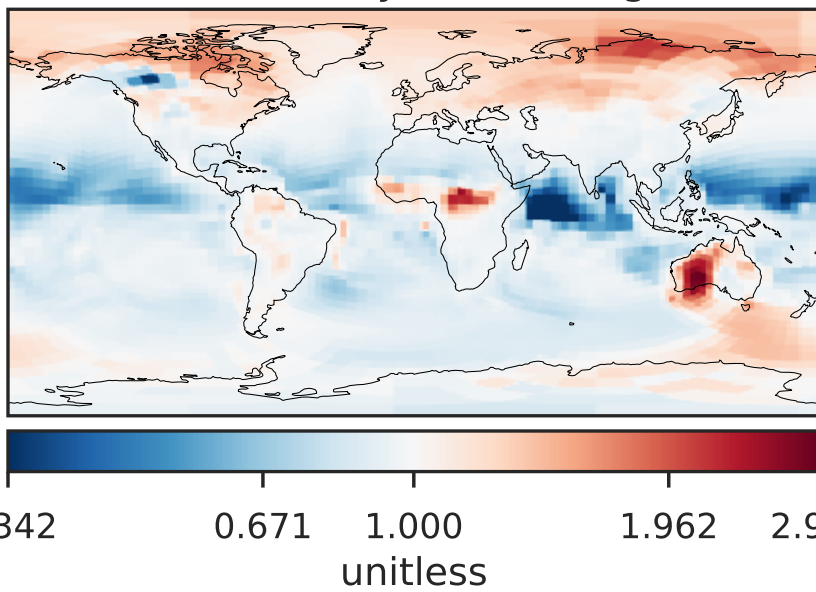
Difference (1x1.25)  
Dev - Ref, Dynamic Range



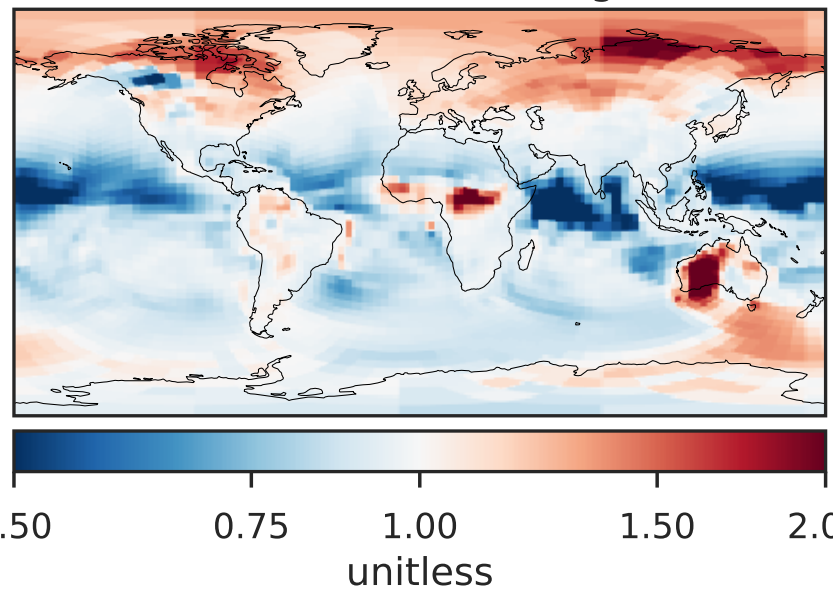
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

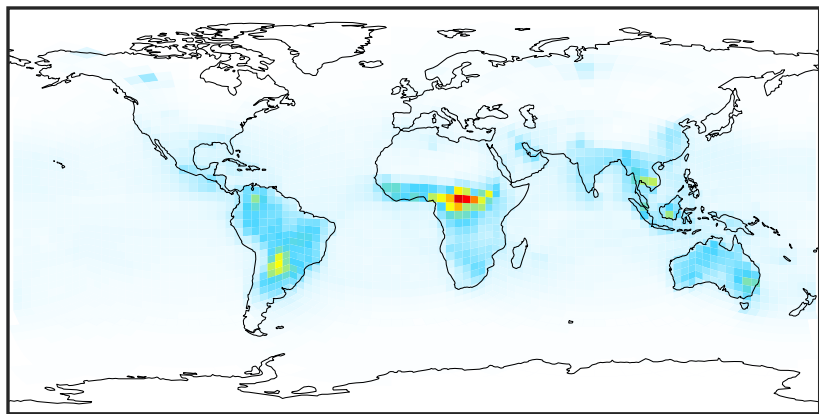


Ratio (1x1.25)  
Dev/Ref, Fixed Range



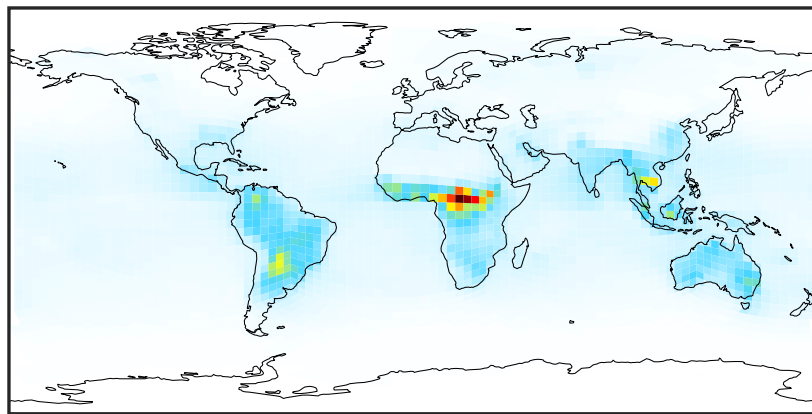
# SpeciesConcVV\_CH20 (Jan2019)

GCHP\_14.0.0 (Ref)  
c24



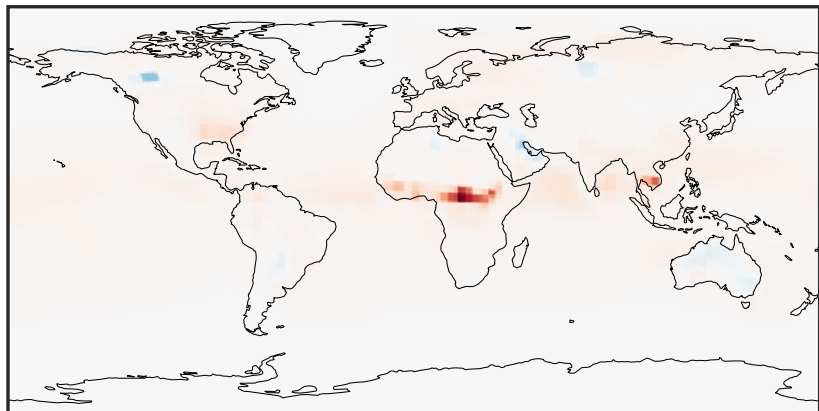
0.010 2.486 4.972 7.457 9.953  
ppb

GCHP\_14.2.0 (Dev)  
c24



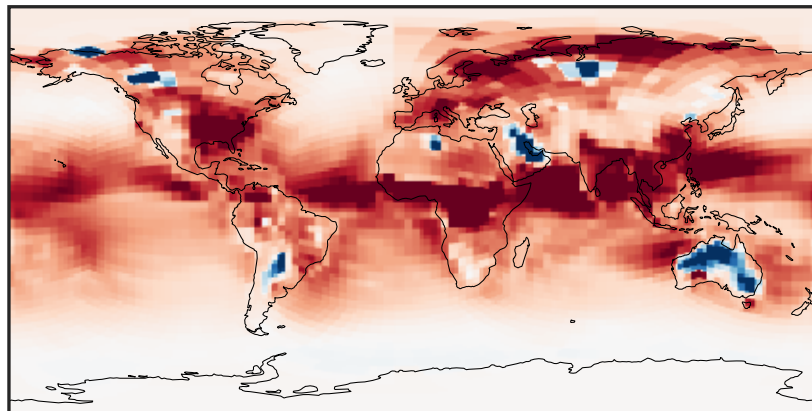
0.010 2.486 4.972 7.457 9.953  
ppb

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



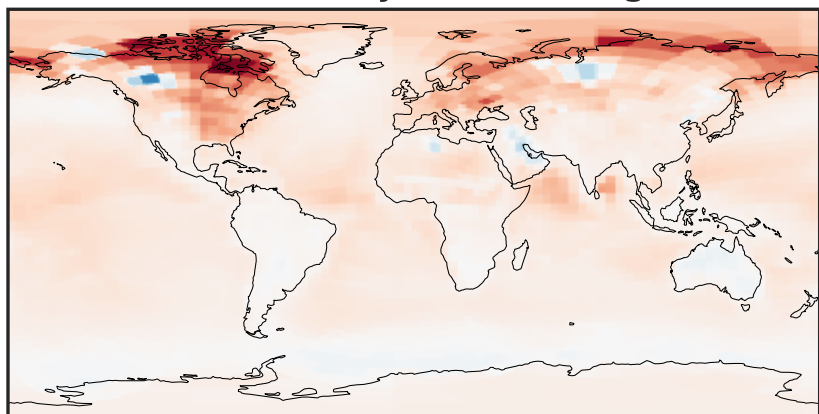
-2.011 -1.006 0.000 1.006 2.011  
ppb

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



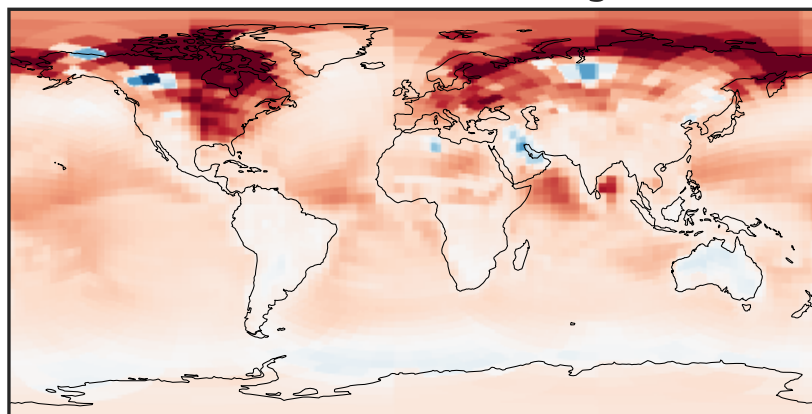
-0.1072 -0.0536 0.0000 0.0536 0.1072  
ppb

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



0.245 0.623 1.000 2.539 4.079  
unitless

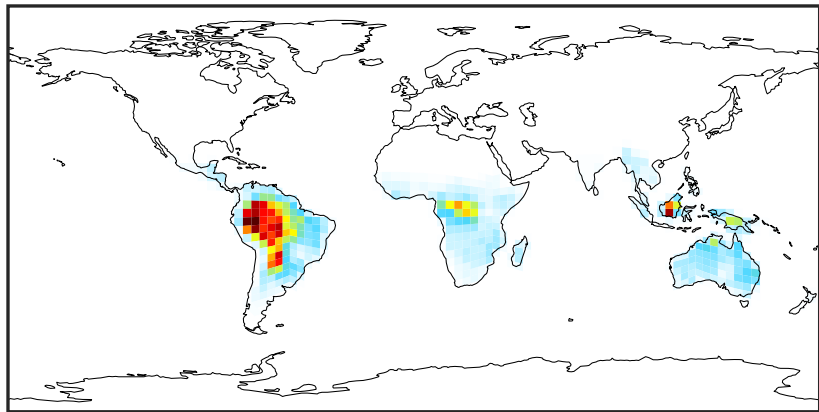
Ratio (1x1.25)  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

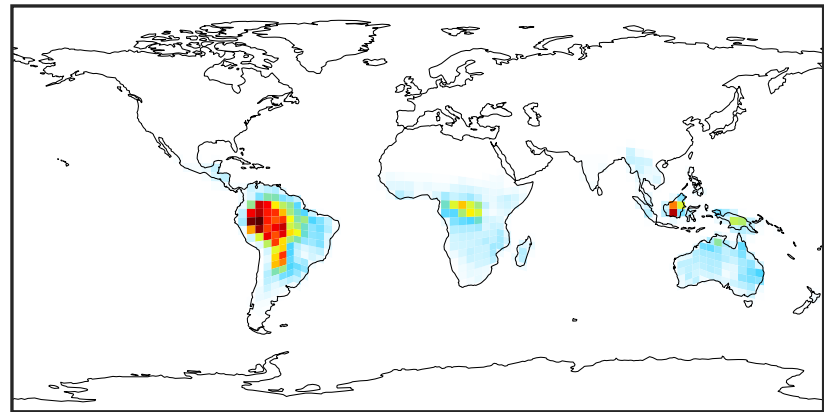
# SpeciesConcVV\_HPALDs (Jan2019)

GCHP\_14.0.0 (Ref)  
c24



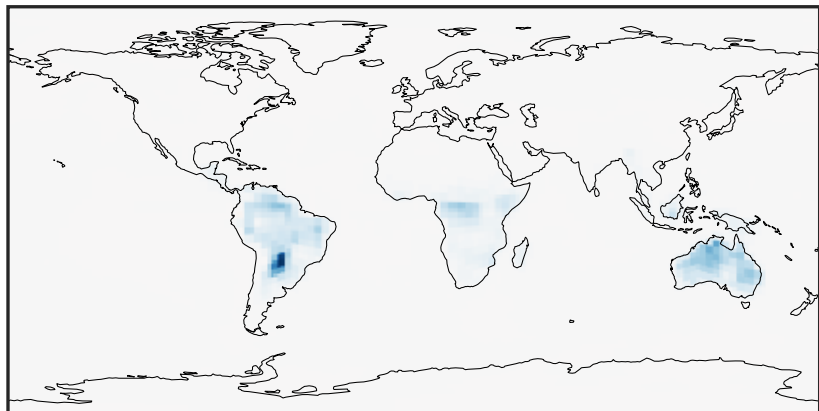
0.0000 0.0745 0.1490 0.2235 0.2980  
ppb

GCHP\_14.2.0 (Dev)  
c24



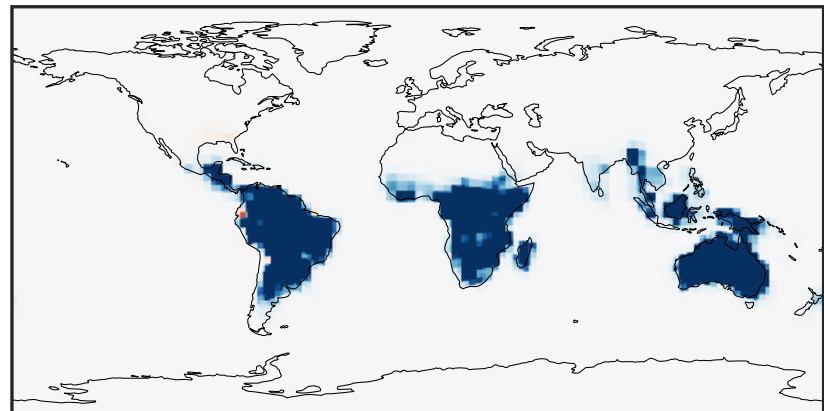
0.0000 0.0745 0.1490 0.2235 0.2980  
ppb

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



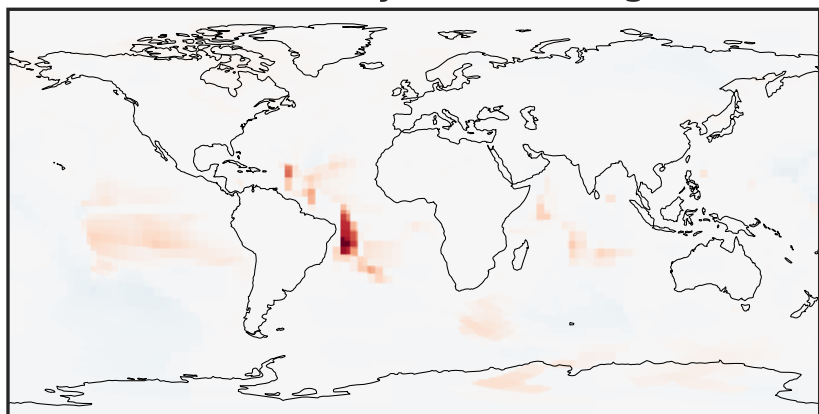
-0.02 0.00 0.02  
ppb

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



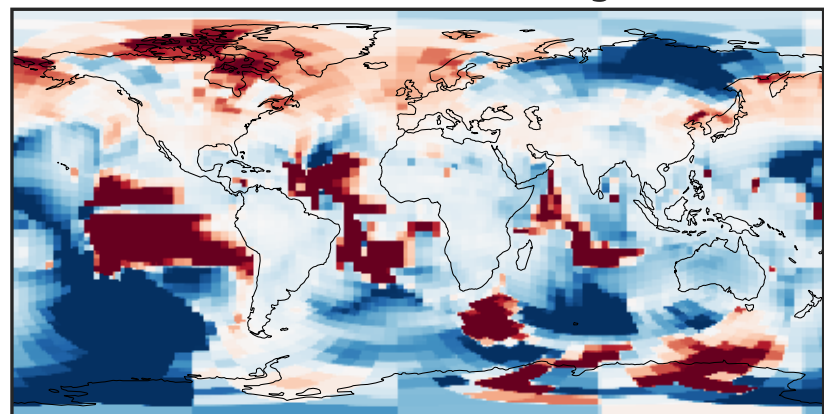
-0.0005 0.0000 0.0005  
ppb

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



1e-07 1e-03 10 1e+05 1e+09  
unitless

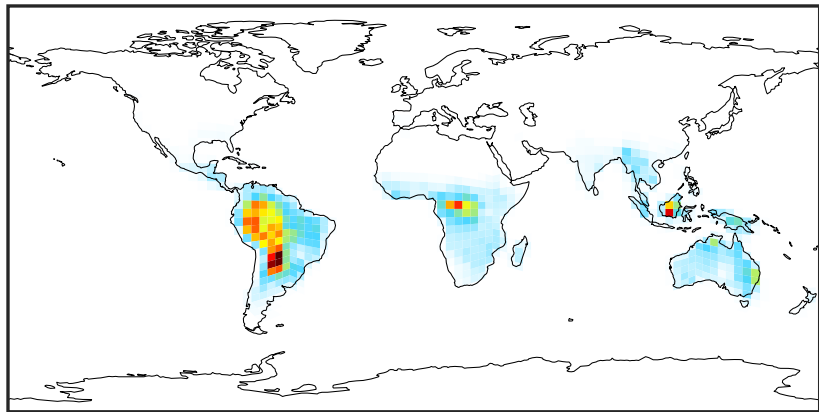
Ratio (1x1.25)  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

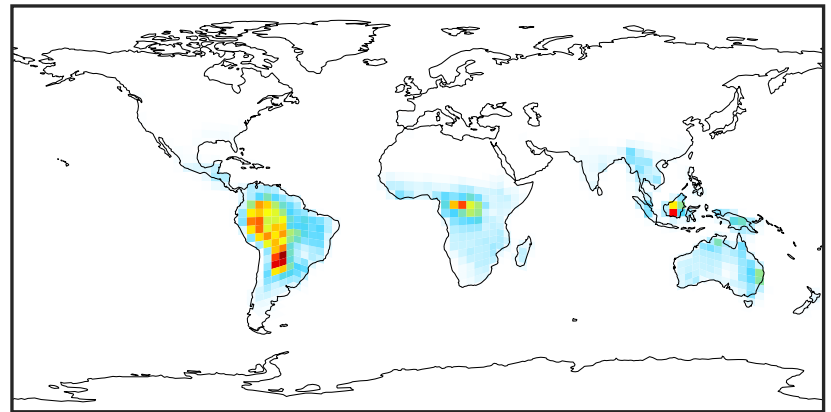
# SpeciesConcVV\_MACR (Jan2019)

GCHP\_14.0.0 (Ref)  
c24



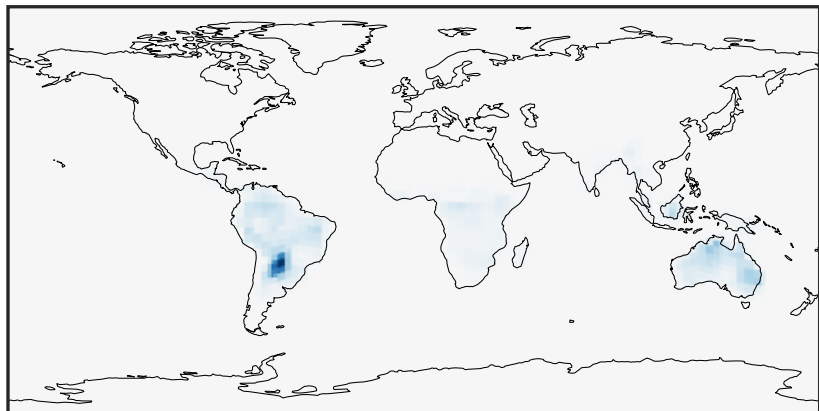
0.000 0.313 0.625 0.938 1.251  
ppb

GCHP\_14.2.0 (Dev)  
c24



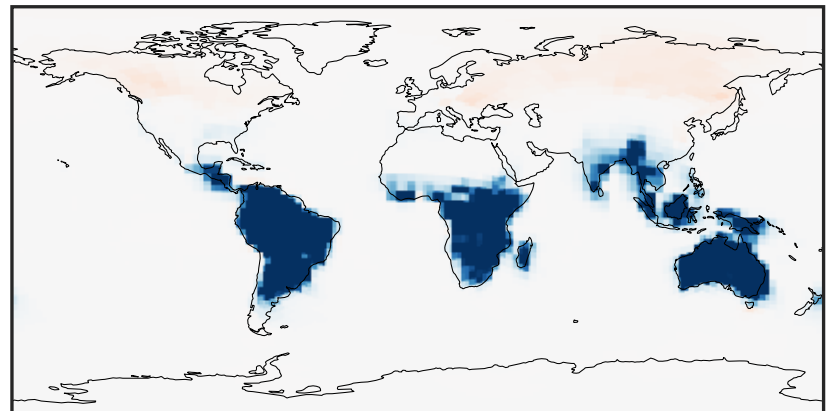
0.000 0.313 0.625 0.938 1.251  
ppb

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



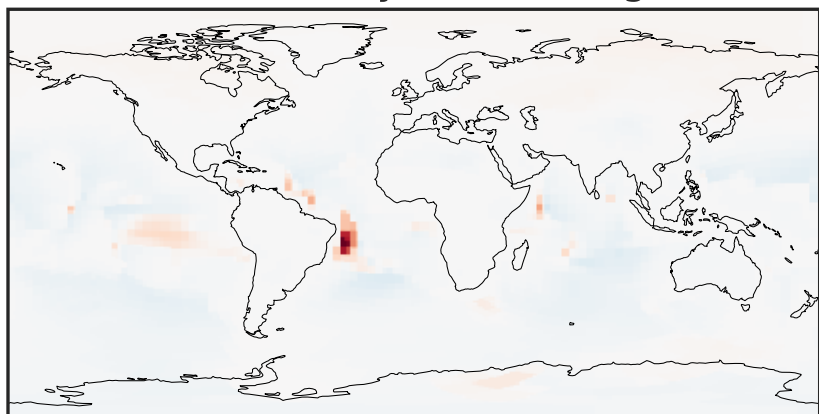
-0.1959 -0.0979 0.0000 0.0979 0.1959  
ppb

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



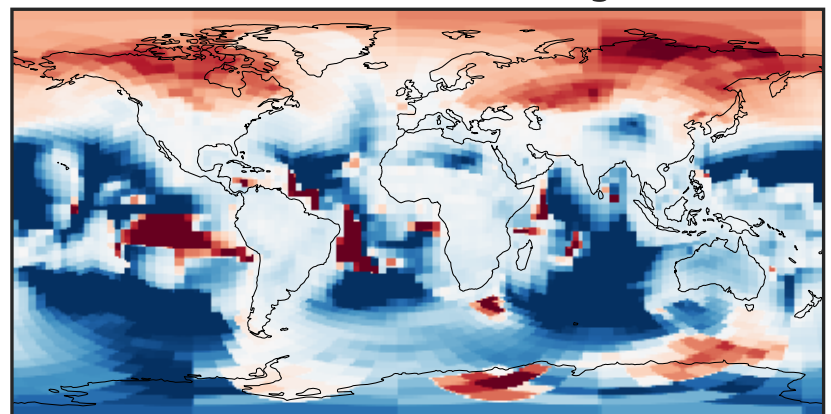
-0.003 0.000 0.003  
ppb

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



1e-06 1e-03 1 1000 1e+06  
unitless

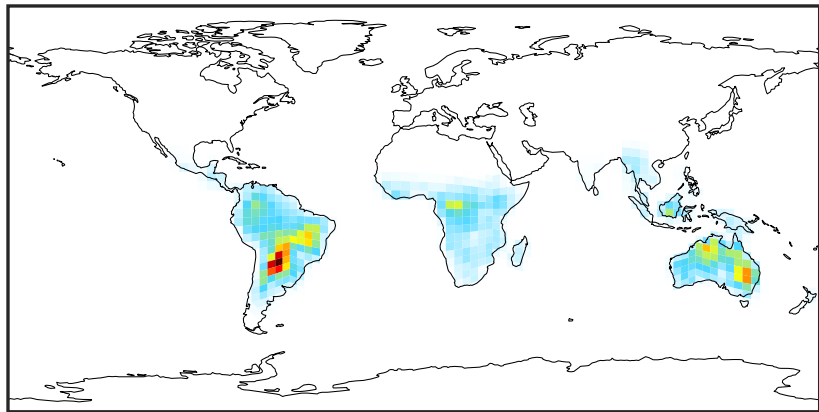
Ratio (1x1.25)  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

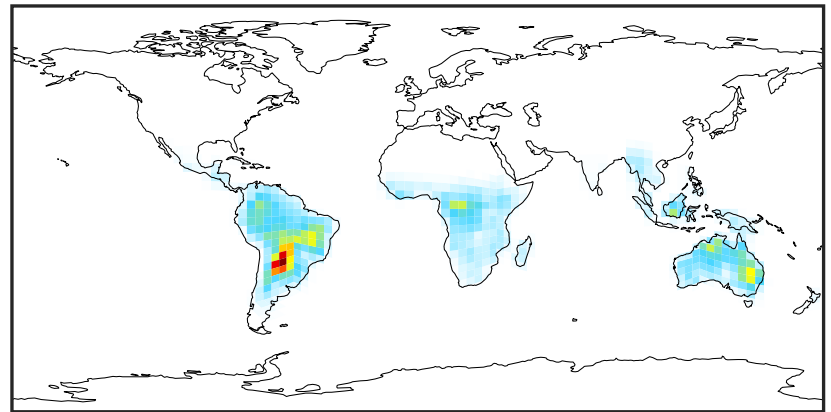
# SpeciesConcVV\_IEPOX (Jan2019)

GCHP\_14.0.0 (Ref)  
c24



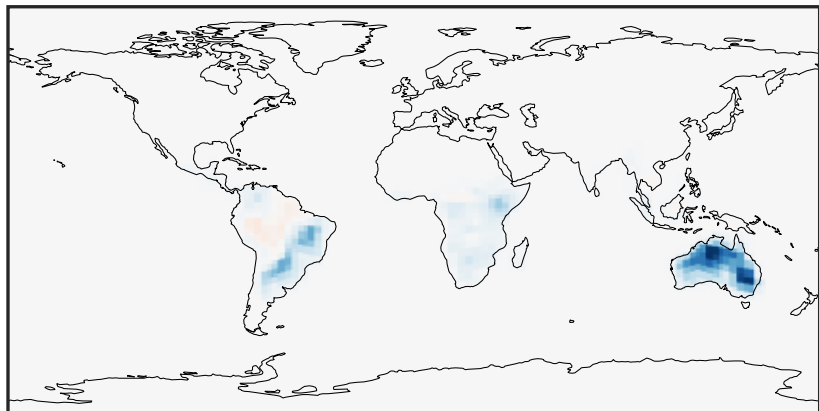
0.000 0.388 0.777 1.165 1.554  
ppb

GCHP\_14.2.0 (Dev)  
c24



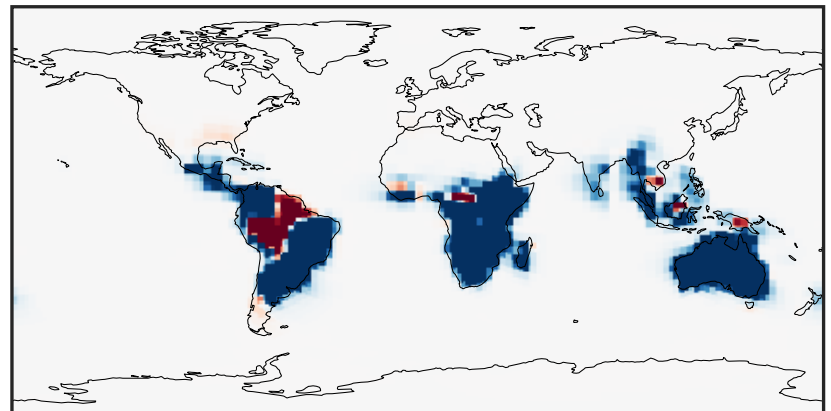
0.000 0.388 0.777 1.165 1.554  
ppb

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



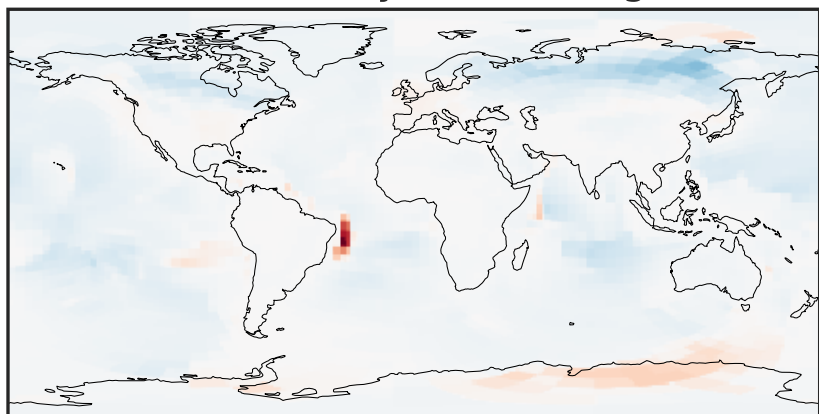
-0.2127 -0.1063 0.0000 0.1063 0.2127  
ppb

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



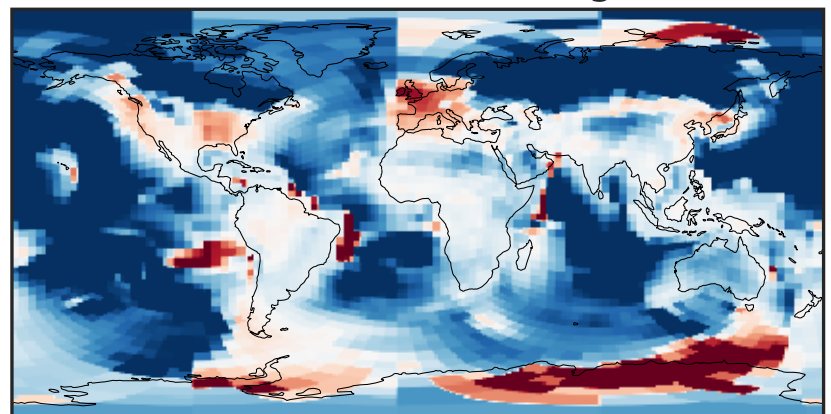
-0.0025 0.0000 0.0025  
ppb

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



unitless

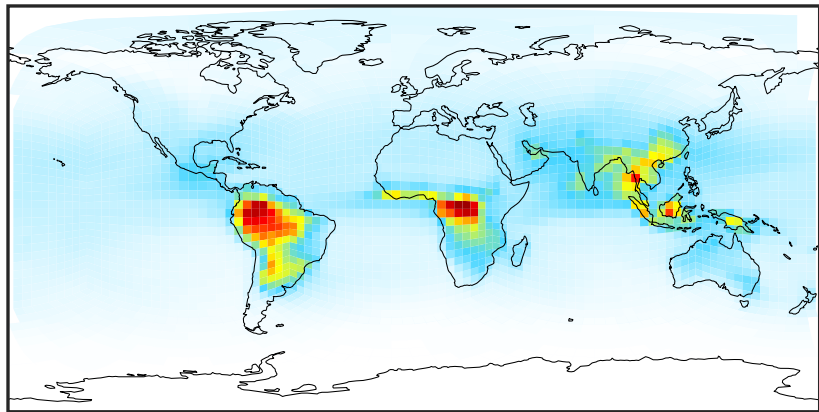
Ratio (1x1.25)  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

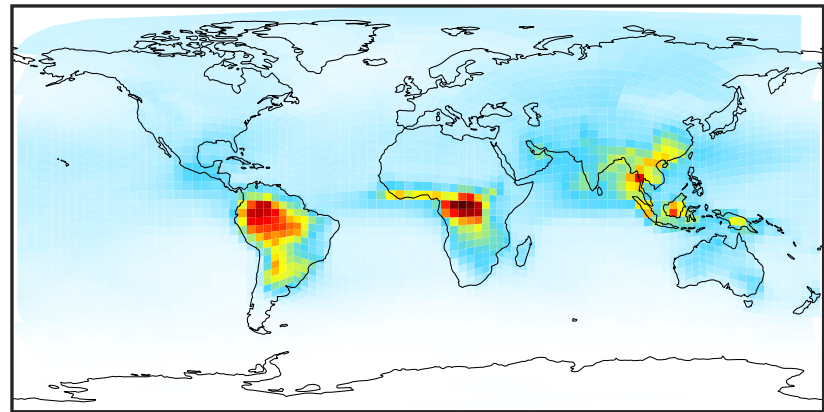
# SpeciesConcVV\_ACET (Jan2019)

GCHP\_14.0.0 (Ref)  
c24



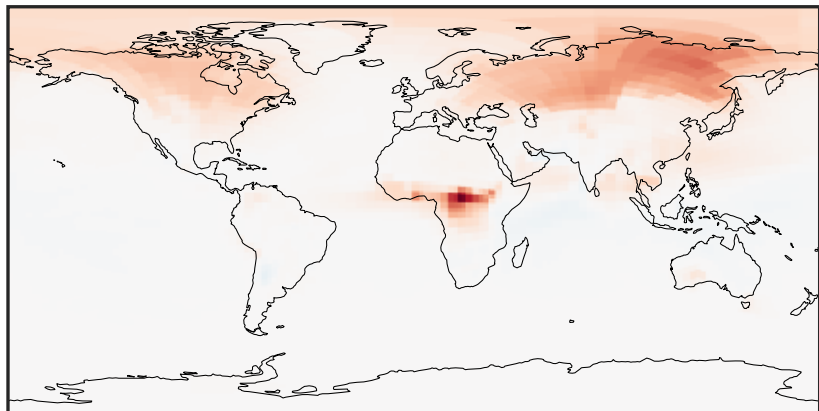
0.088 1.479 2.957 4.436 6.003  
ppb

GCHP\_14.2.0 (Dev)  
c24



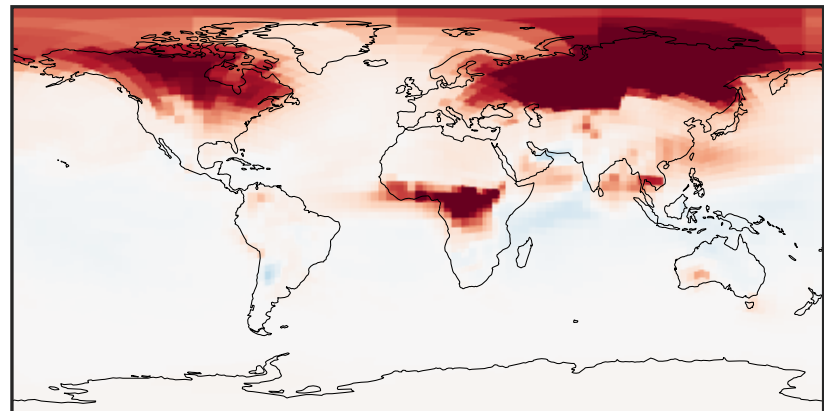
0.088 1.479 2.957 4.436 6.003  
ppb

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



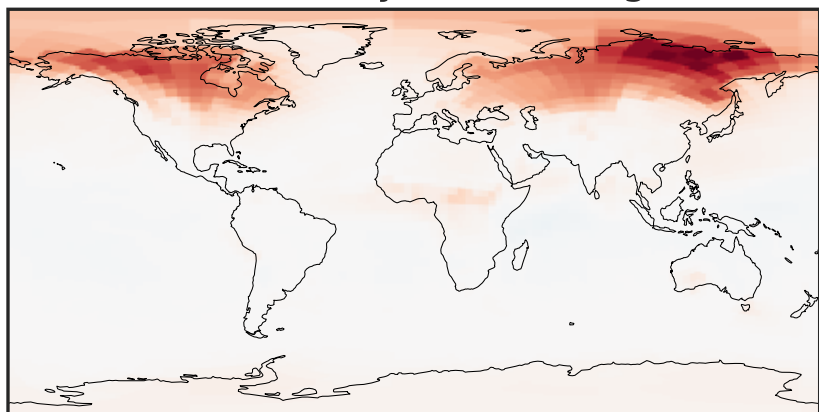
-1.189 -0.595 0.000 0.595 1.189  
ppb

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



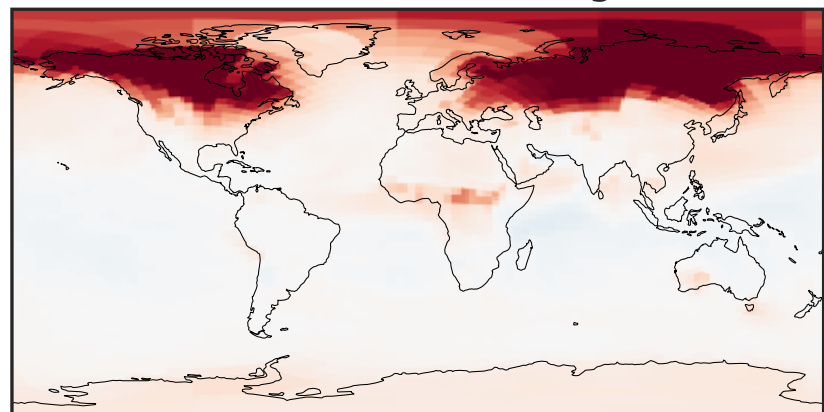
-0.3327 -0.1663 0.0000 0.1663 0.3327  
ppb

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



0.188 0.594 1.000 3.154 5.308  
unitless

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

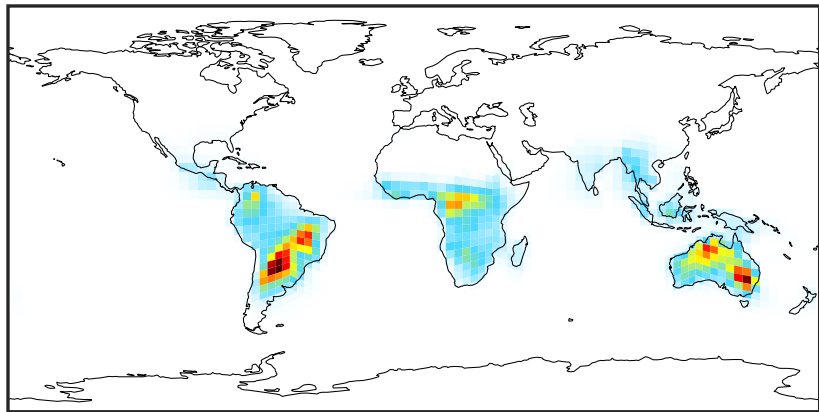


0.50 0.75 1.00 1.50 2.00  
unitless



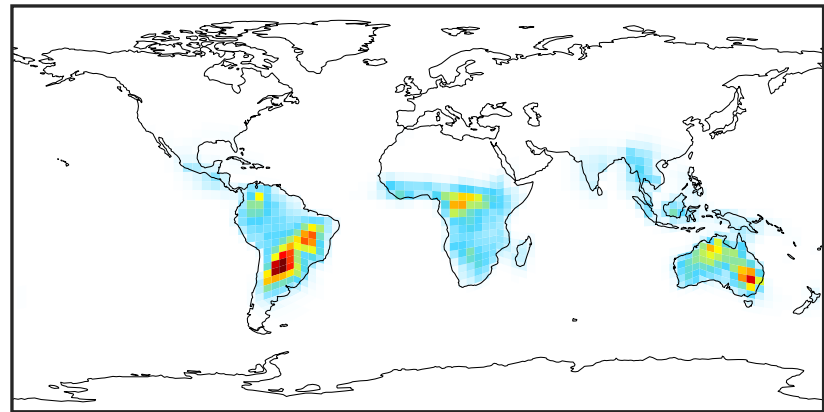
# SpeciesConcVV\_HAC (Jan2019)

GCHP\_14.0.0 (Ref)  
c24



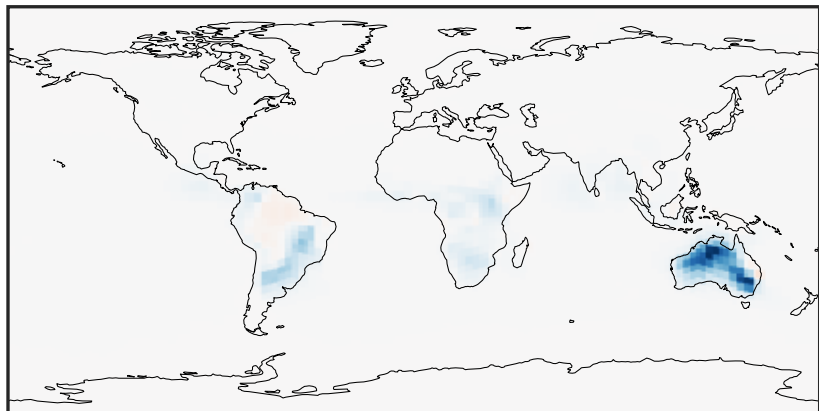
0.000 0.256 0.513 0.769 1.025  
ppb

GCHP\_14.2.0 (Dev)  
c24



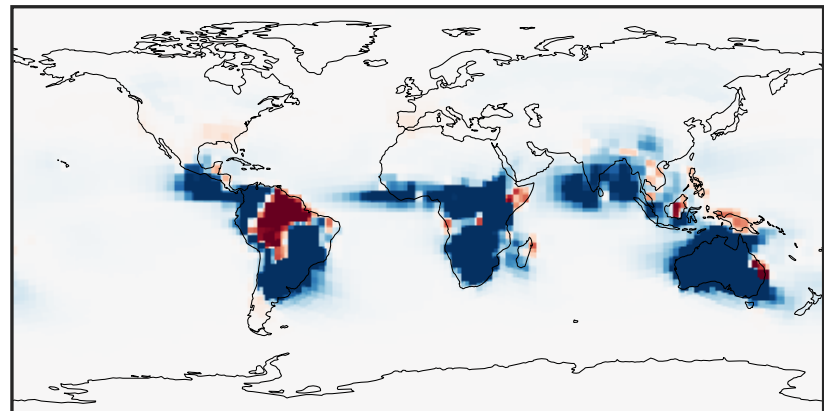
0.000 0.256 0.513 0.769 1.025  
ppb

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



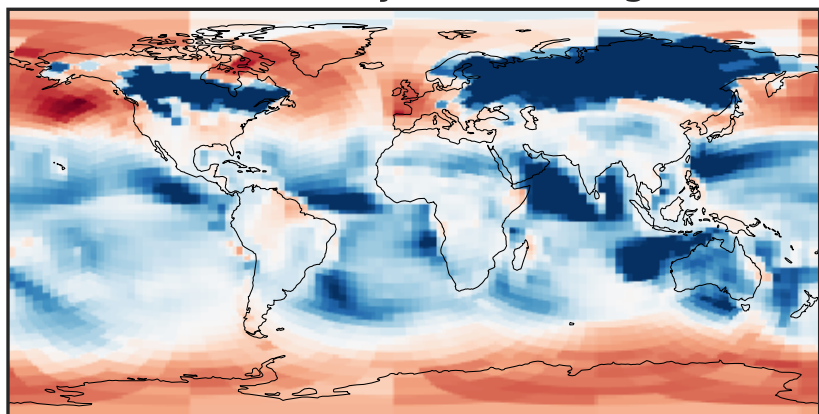
-0.1590 -0.0795 0.0000 0.0795 0.1590  
ppb

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



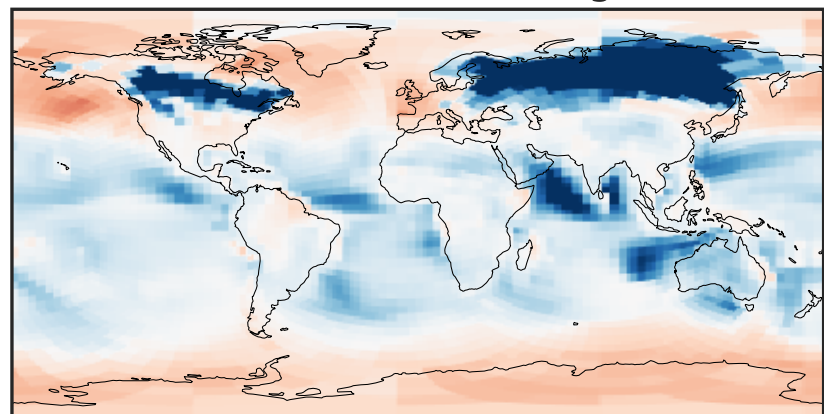
-0.0025 0.0000 0.0025  
ppb

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



0.6932 0.8466 1.0000 1.2213 1.4426  
unitless

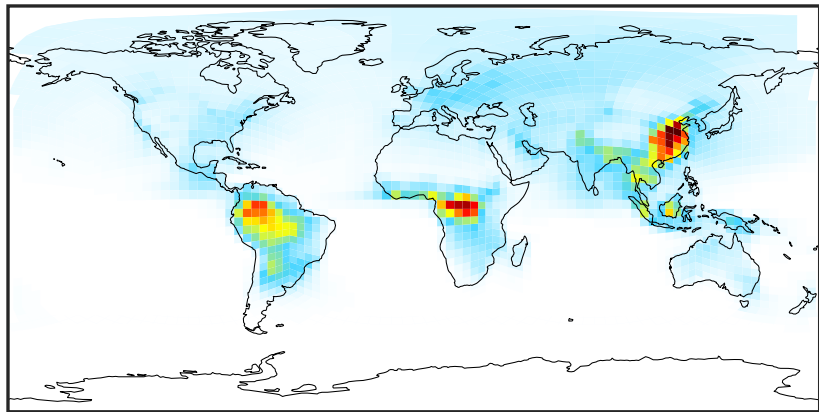
Ratio (1x1.25)  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

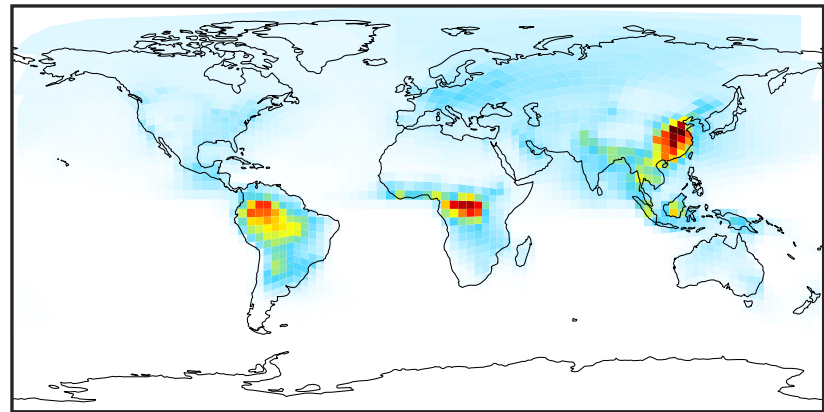
# SpeciesConcVV\_MEK (Jan2019)

GCHP\_14.0.0 (Ref)  
c24



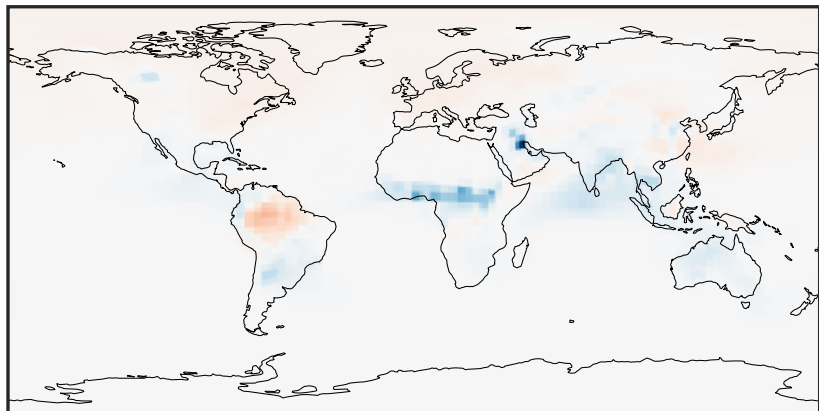
0.000 0.541 1.081 1.622 2.162  
ppb

GCHP\_14.2.0 (Dev)  
c24



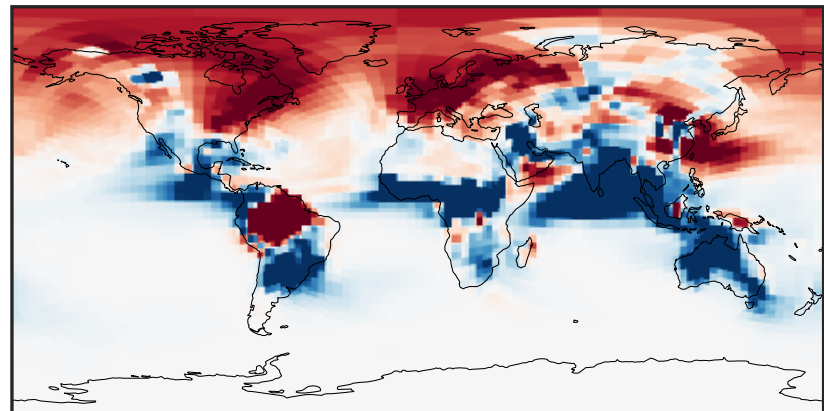
0.000 0.541 1.081 1.622 2.162  
ppb

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



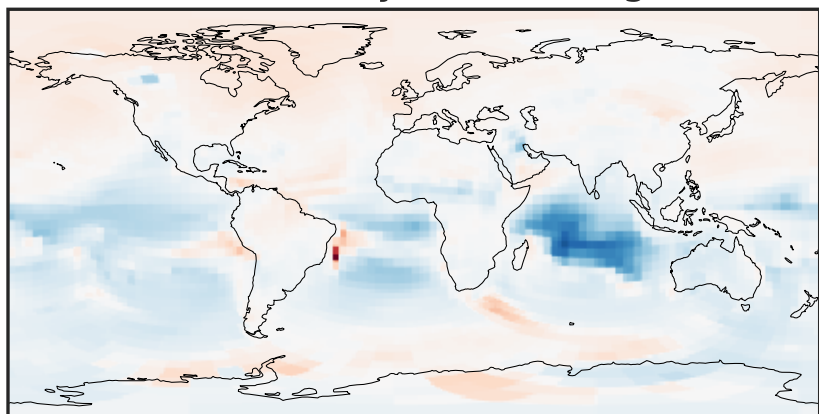
-0.1350 -0.0675 0.0000 0.0675 0.1350  
ppb

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



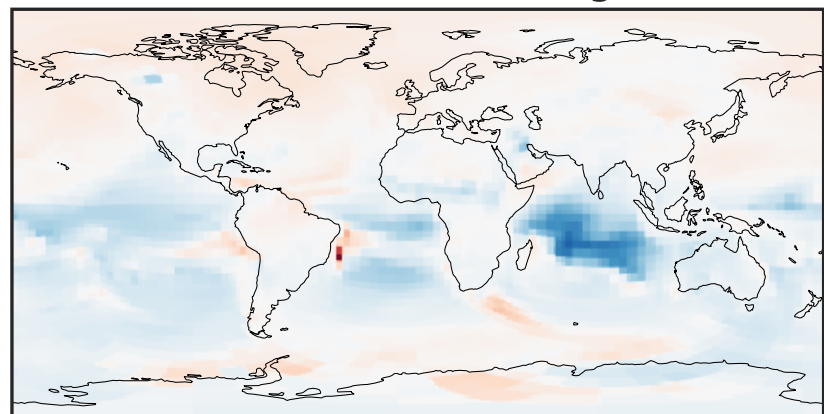
-0.004 0.000 0.004  
ppb

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



0.518 0.759 1.000 1.466 1.932  
unitless

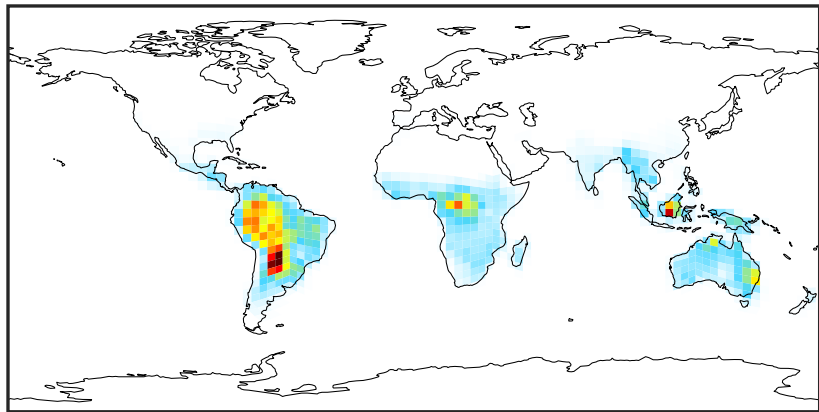
Ratio (1x1.25)  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

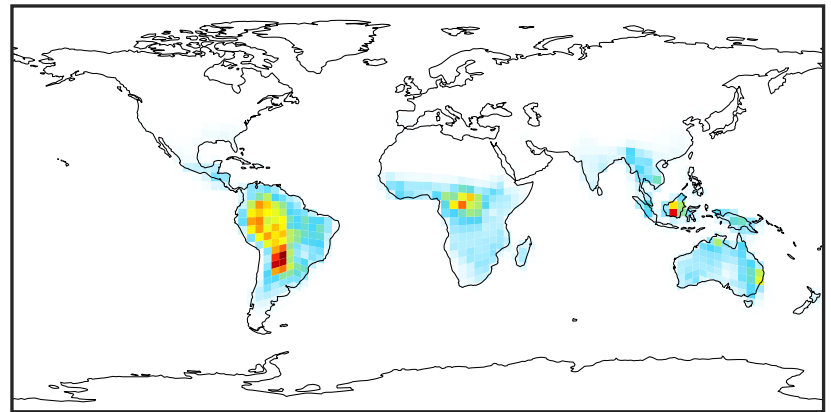
# SpeciesConcVV\_MVK (Jan2019)

GCHP\_14.0.0 (Ref)  
c24



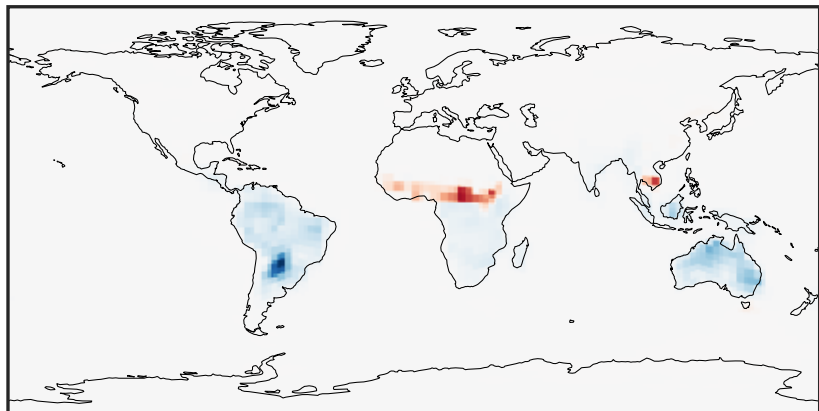
0.000 0.516 1.033 1.549 2.066  
ppb

GCHP\_14.2.0 (Dev)  
c24



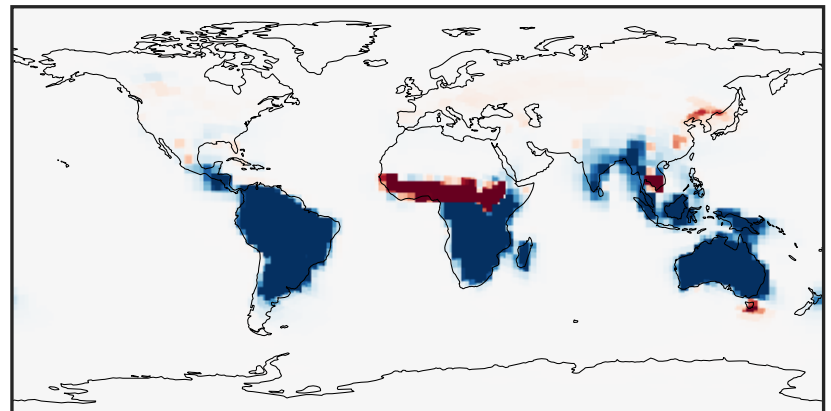
0.000 0.516 1.033 1.549 2.066  
ppb

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



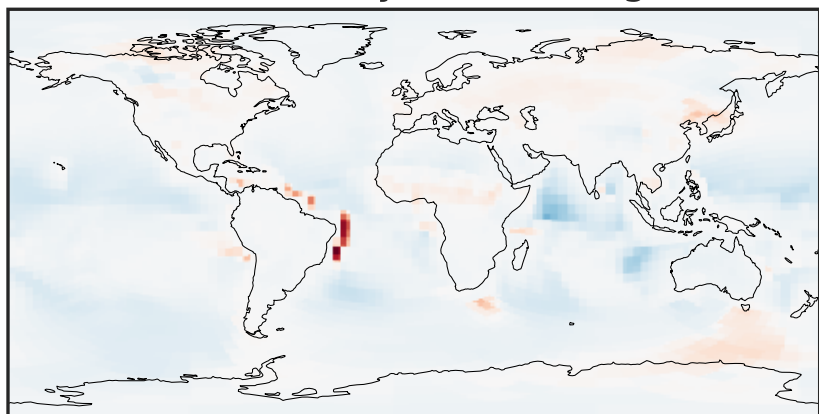
-0.28 -0.14 0.00 0.14 0.28  
ppb

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



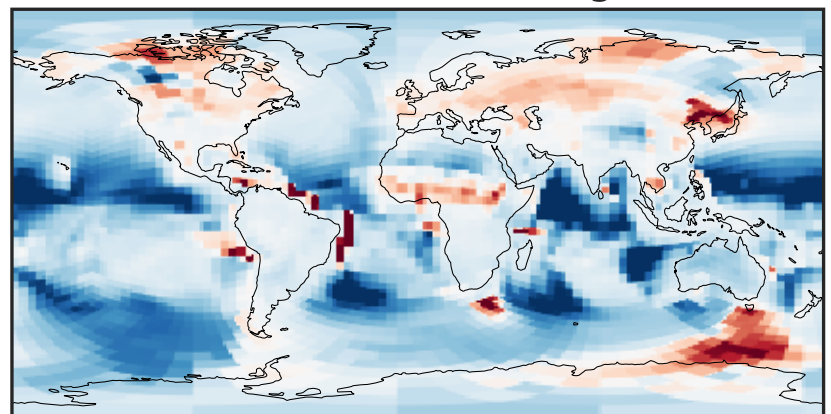
-0.006 0.000 0.006  
ppb

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



1e-01 1 10  
unitless

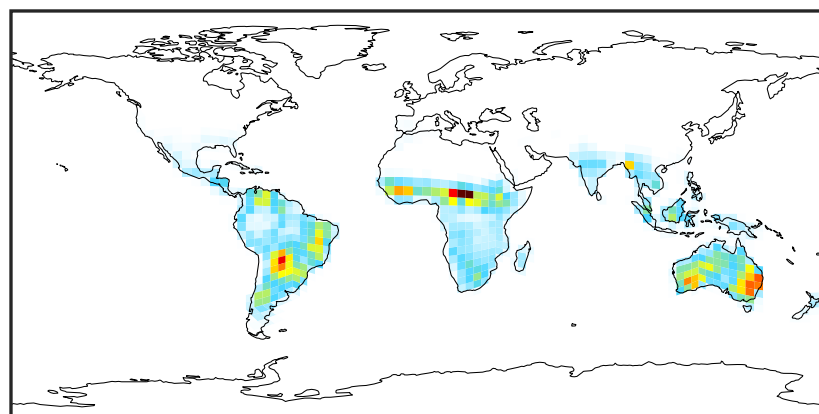
Ratio (1x1.25)  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

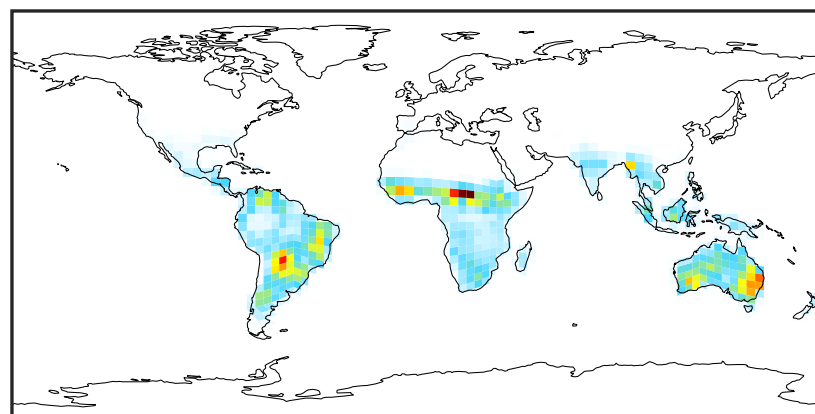
# SpeciesConcVV\_ISOPN (Jan2019)

GCHP\_14.0.0 (Ref)  
c24



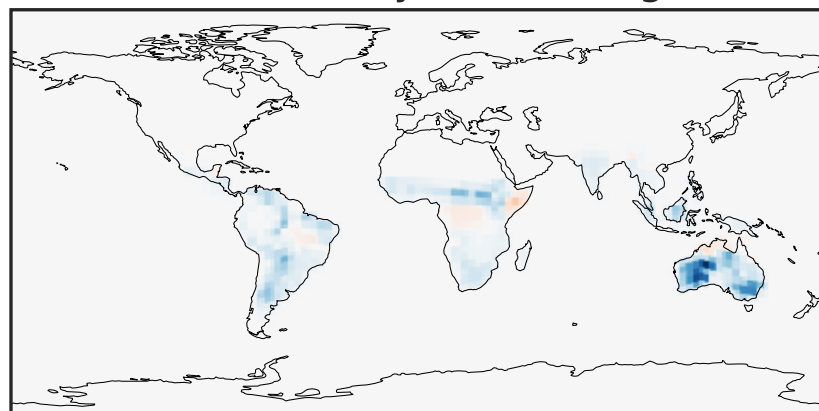
0.000 0.015 0.030 0.045  
ppb

GCHP\_14.2.0 (Dev)  
c24



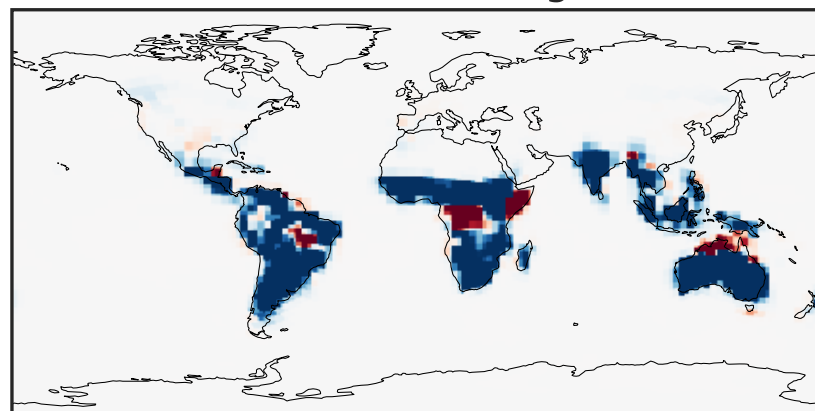
0.000 0.015 0.030 0.045  
ppb

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



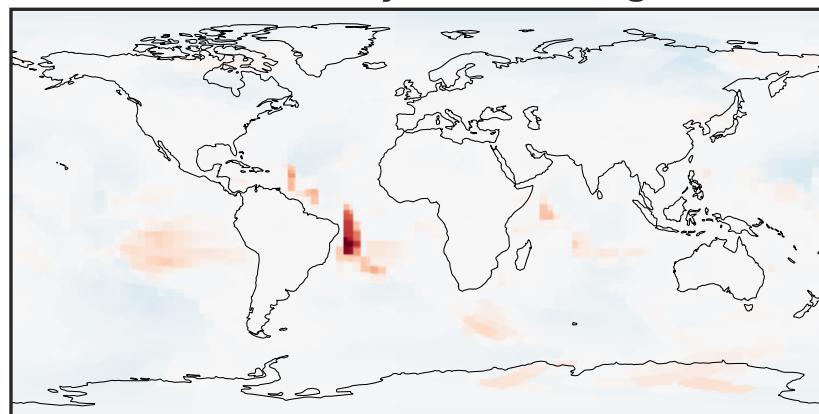
-0.0025 0.0000 0.0025  
ppb

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



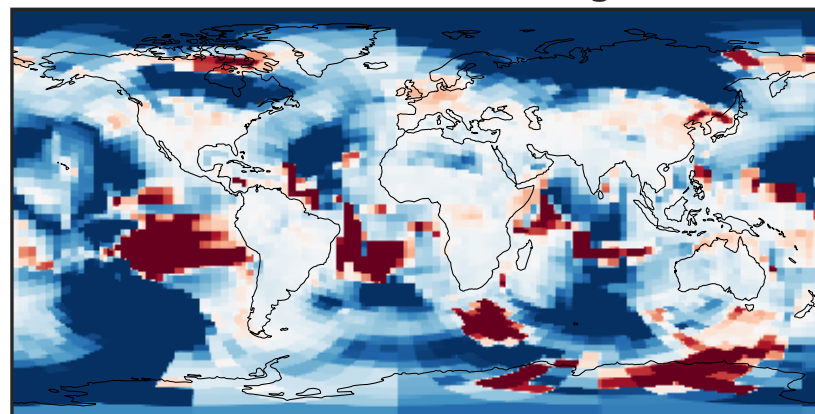
-0.0001 0.0000 0.0001  
ppb

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



1e-05 1e-02 10 1e4 1e+07  
unitless

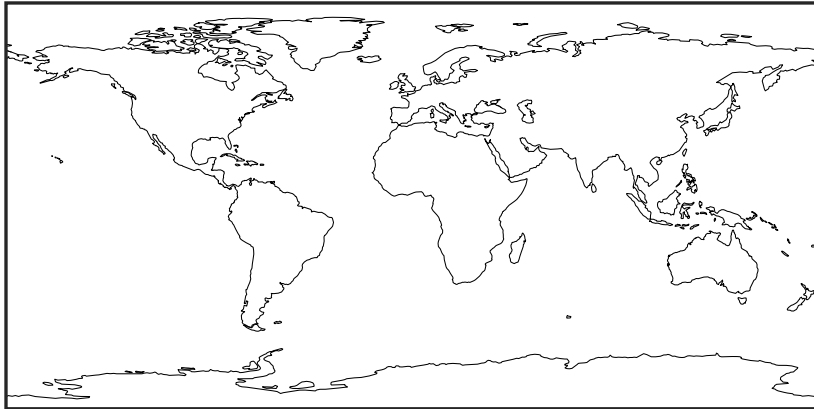
Ratio (1x1.25)  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

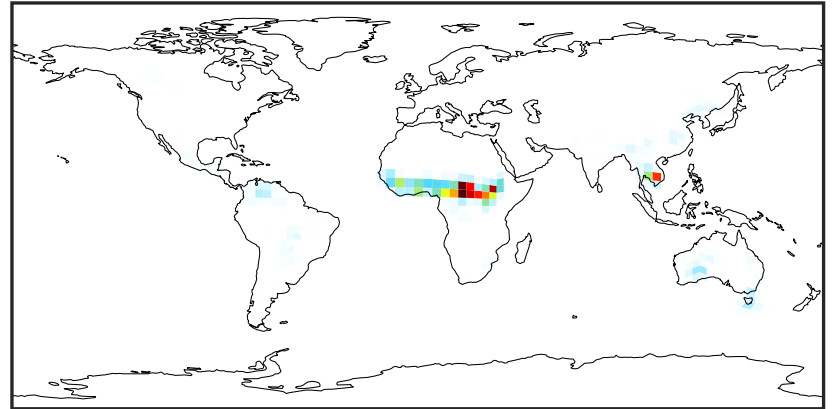
# SpeciesConcVV\_FURA (Jan2019)

GCHP\_14.0.0 (Ref)  
c24



Undefined throughout domain  
ppb

GCHP\_14.2.0 (Dev)  
c24



0.0000 0.1439 0.2877 0.4316 0.5755  
ppb

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



Undefined throughout domain  
ppb

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



Undefined throughout domain  
ppb

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



Undefined throughout domain  
unitless

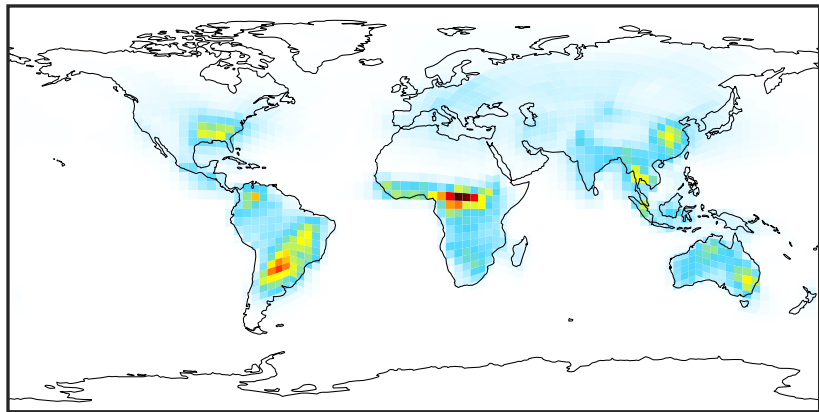
Ratio (1x1.25)  
Dev/Ref, Fixed Range



Undefined throughout domain  
unitless

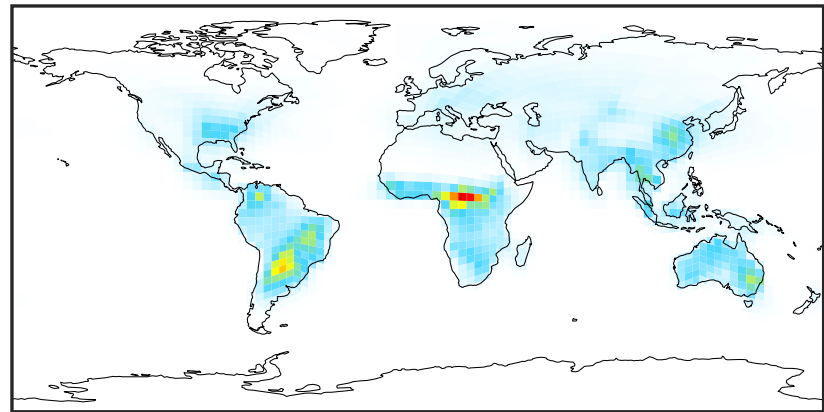
# SpeciesConcVV\_GLYC (Jan2019)

GCHP\_14.0.0 (Ref)  
c24



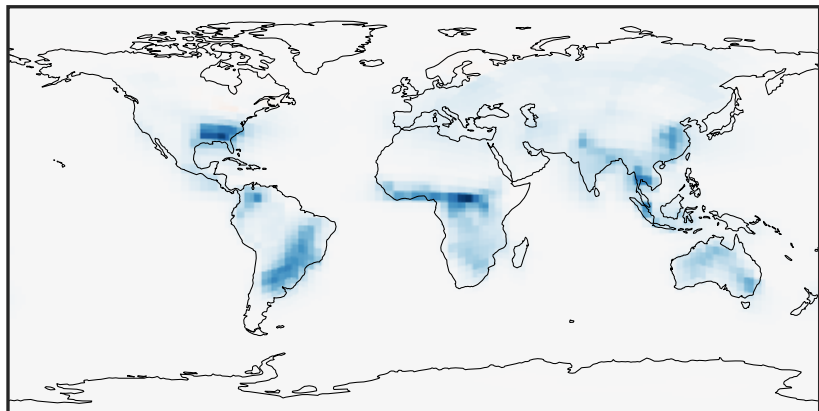
0.000 0.338 0.677 1.015 1.353  
ppb

GCHP\_14.2.0 (Dev)  
c24



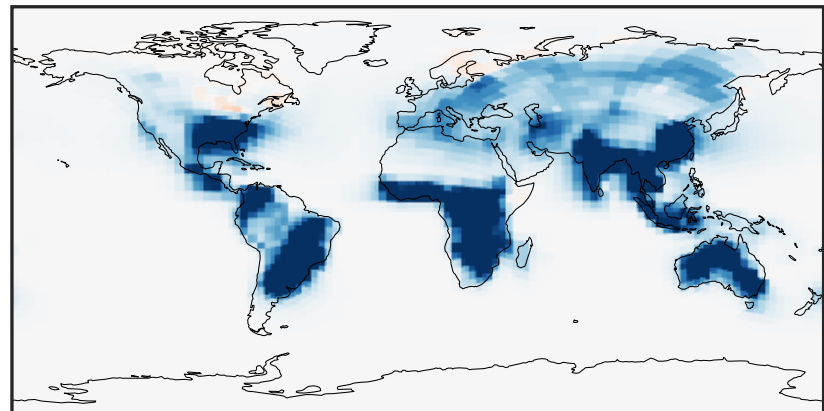
0.000 0.338 0.677 1.015 1.353  
ppb

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



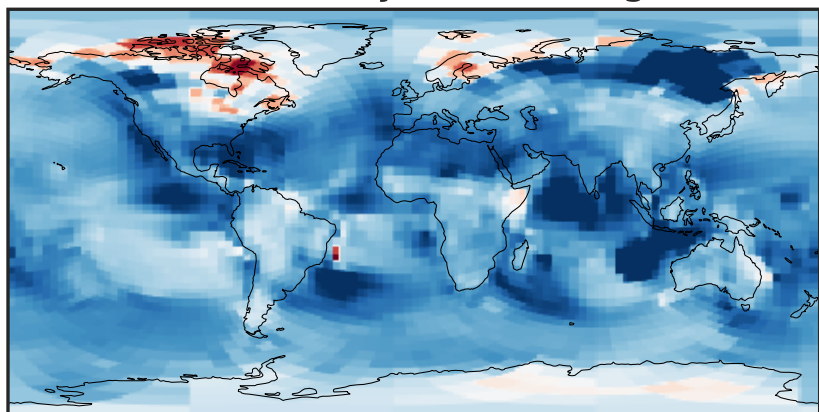
-0.3146 -0.1573 0.0000 0.1573 0.3146  
ppb

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



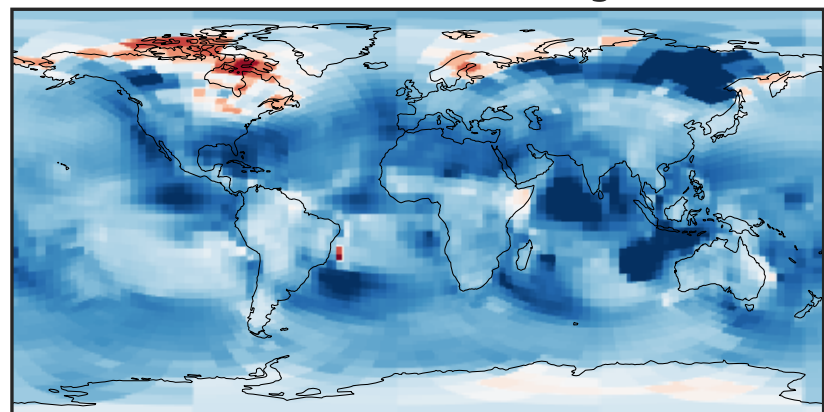
-0.0635 -0.0317 0.0000 0.0317 0.0635  
ppb

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



0.521 0.760 1.000 1.461 1.921  
unitless

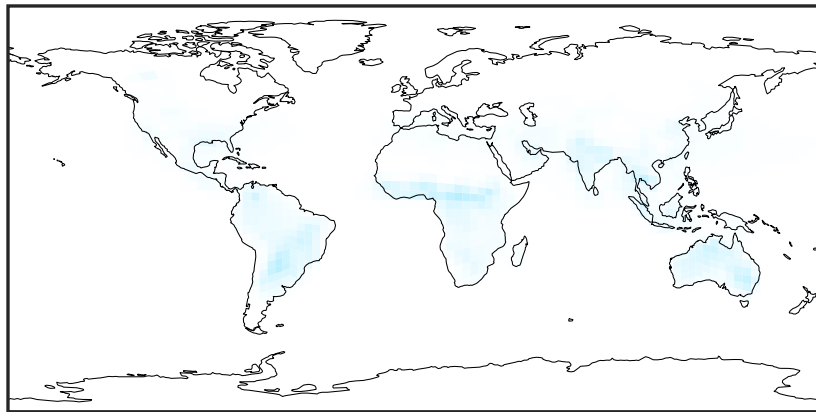
Ratio (1x1.25)  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

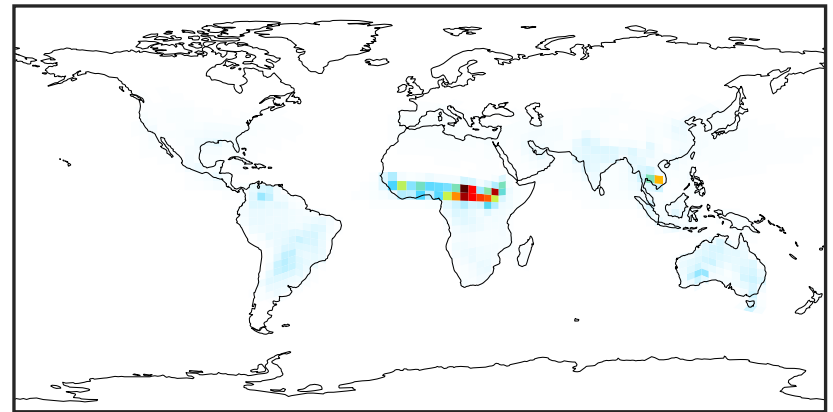
# SpeciesConcVV\_GLYX (Jan2019)

GCHP\_14.0.0 (Ref)  
c24



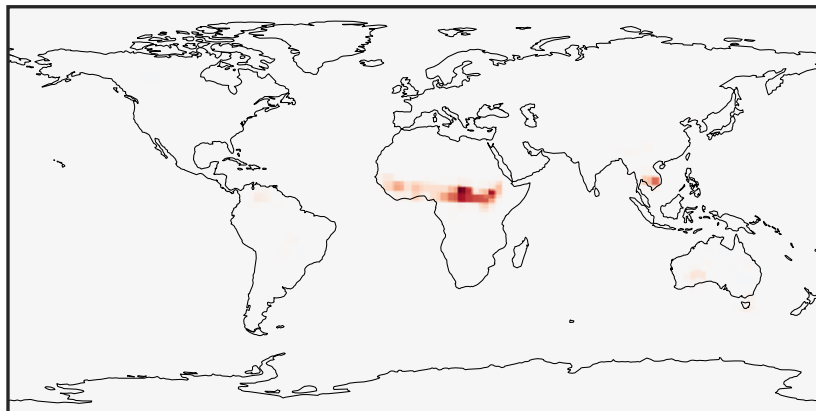
0.0000 0.1294 0.2587 0.3881 0.5174  
ppb

GCHP\_14.2.0 (Dev)  
c24



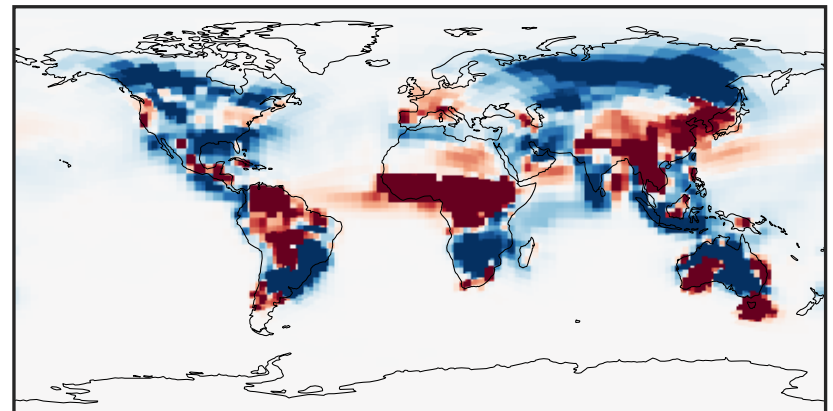
0.0000 0.1294 0.2587 0.3881 0.5174  
ppb

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



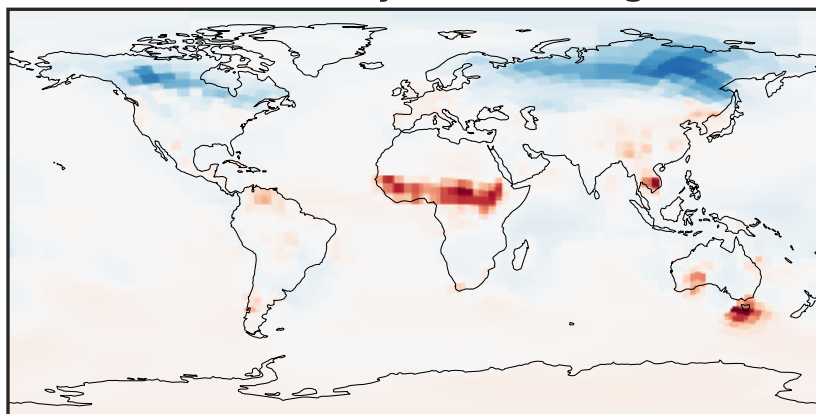
-0.4863 -0.2431 0.0000 0.2431 0.4863  
ppb

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



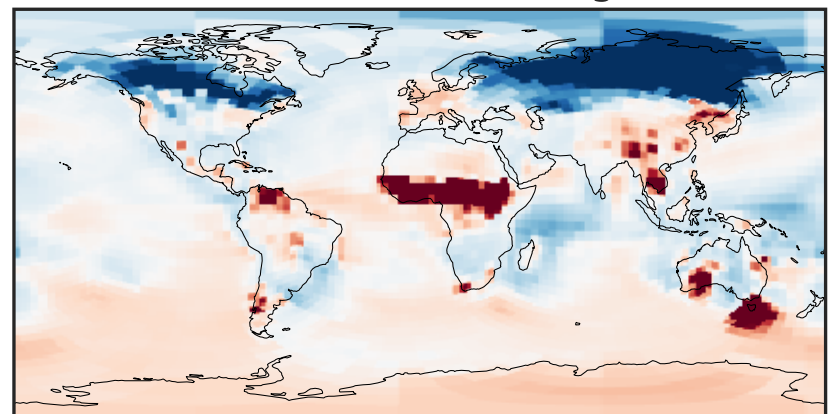
-0.0004 0.0000 0.0004  
ppb

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



1e-01 1 10  
unitless

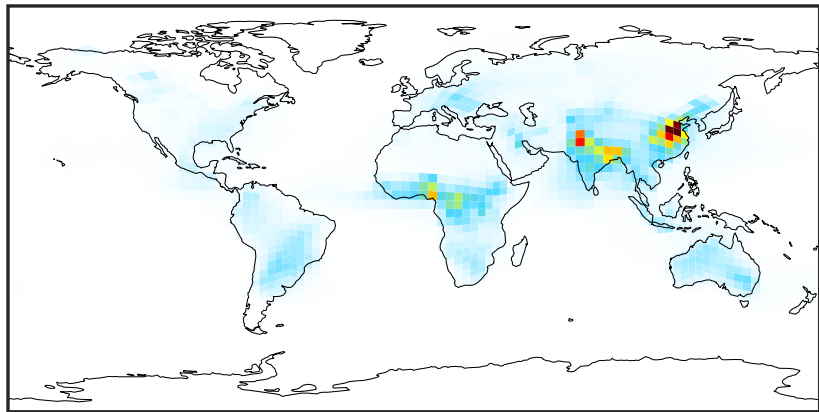
Ratio (1x1.25)  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

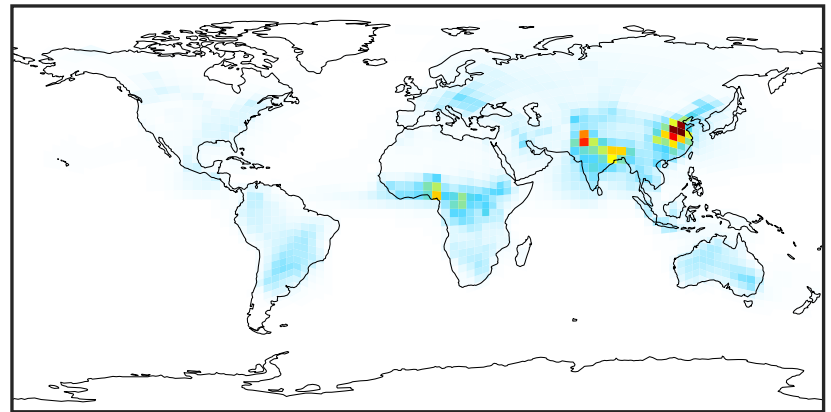
# SpeciesConcVV\_HCOOH (Jan2019)

GCHP\_14.0.0 (Ref)  
c24



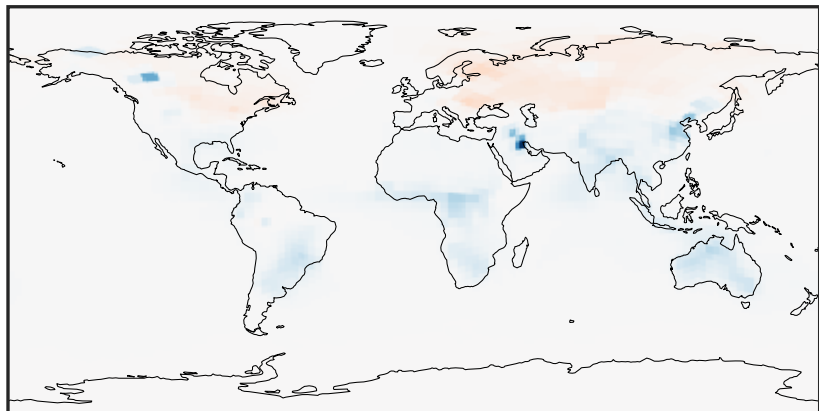
0.000 1.386 2.773 4.159 5.546  
ppb

GCHP\_14.2.0 (Dev)  
c24



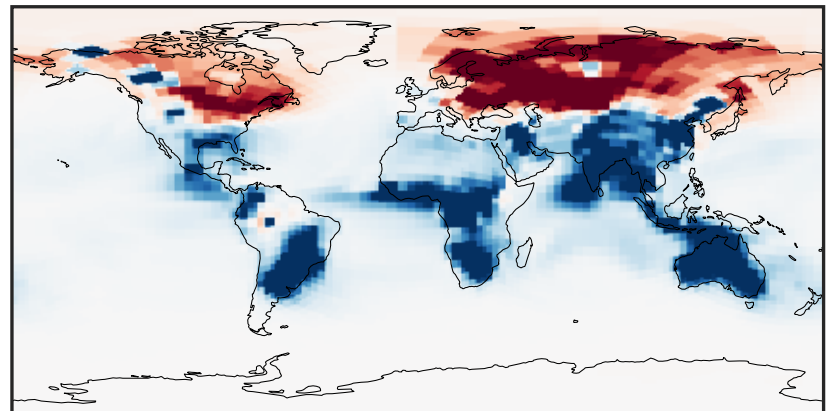
0.000 1.386 2.773 4.159 5.546  
ppb

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



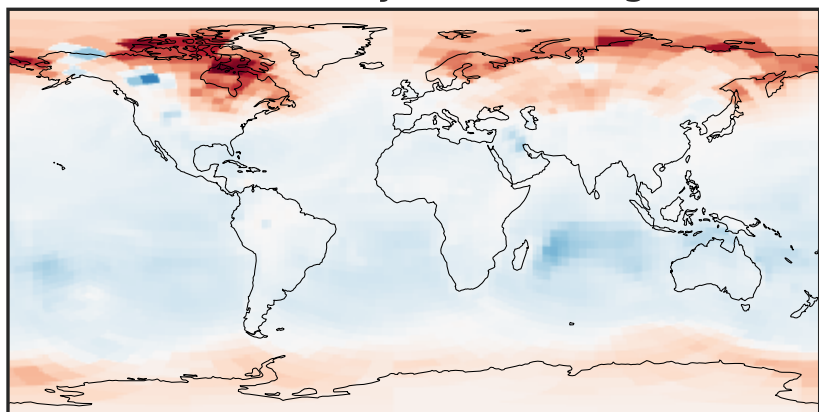
-0.567 -0.284 0.000 0.284 0.567  
ppb

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



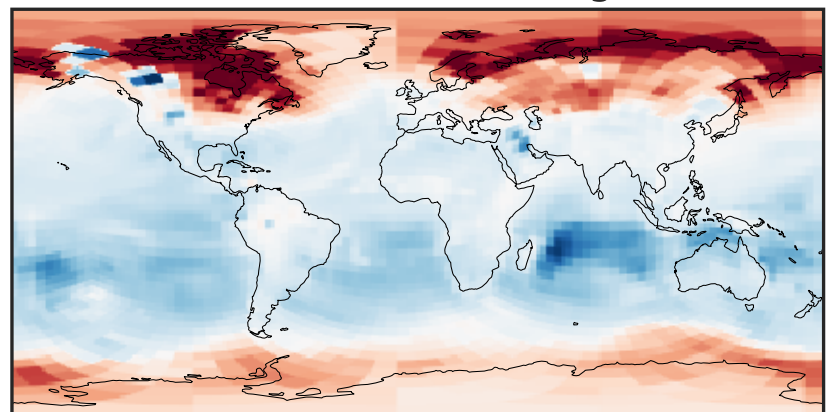
-0.02 0.00 0.02  
ppb

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



0.235 0.618 1.000 2.624 4.247  
unitless

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

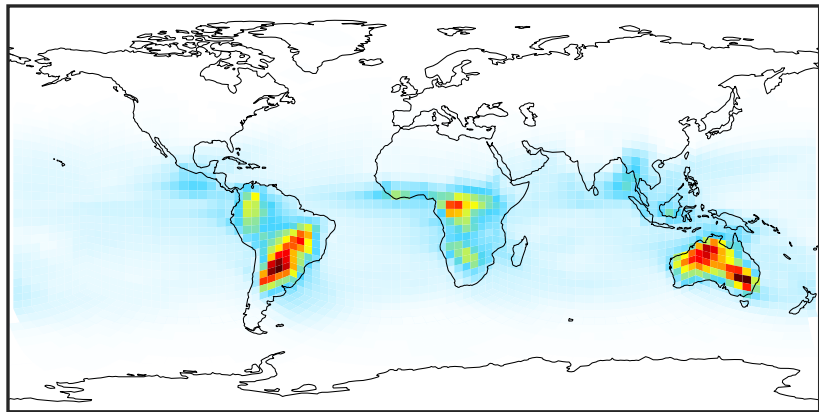


0.50 0.75 1.00 1.50 2.00  
unitless



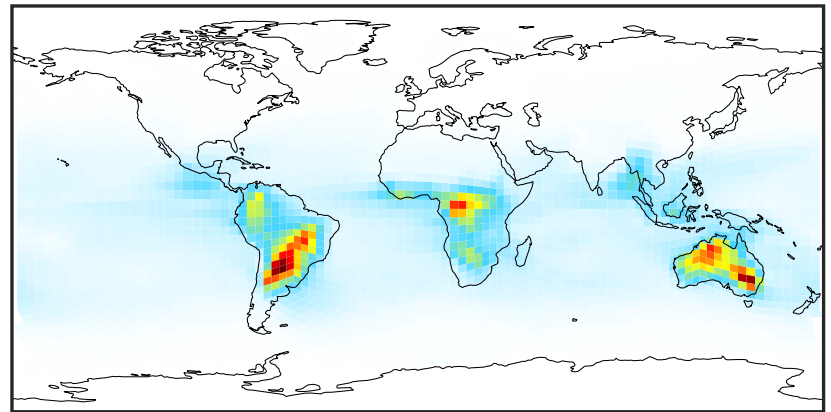
# SpeciesConcVV\_MAP (Jan2019)

GCHP\_14.0.0 (Ref)  
c24



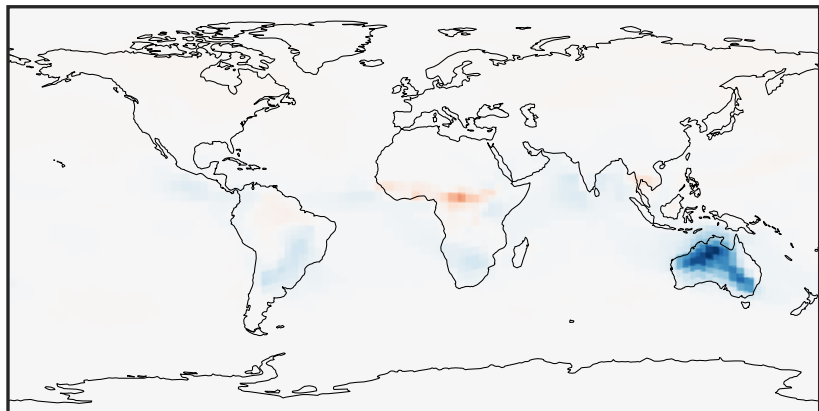
0.001 0.252 0.503 0.755 1.007  
ppb

GCHP\_14.2.0 (Dev)  
c24



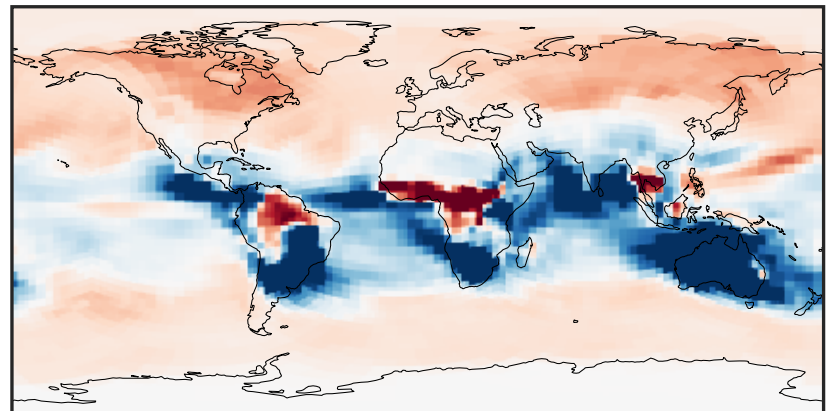
0.001 0.252 0.503 0.755 1.007  
ppb

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



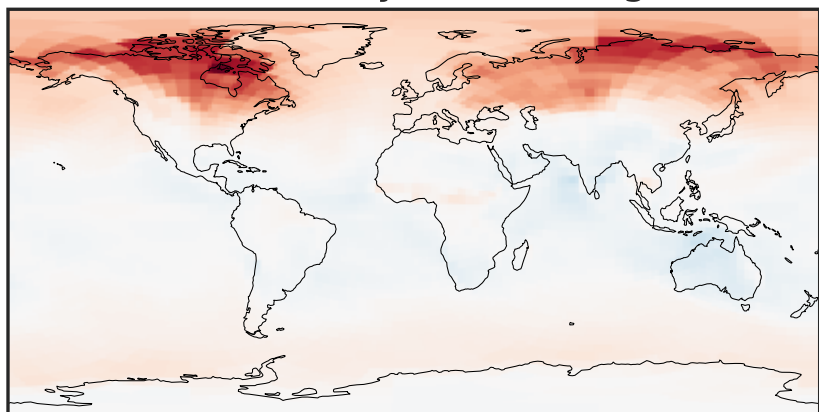
-0.1507 -0.0753 0.0000 0.0753 0.1507  
ppb

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



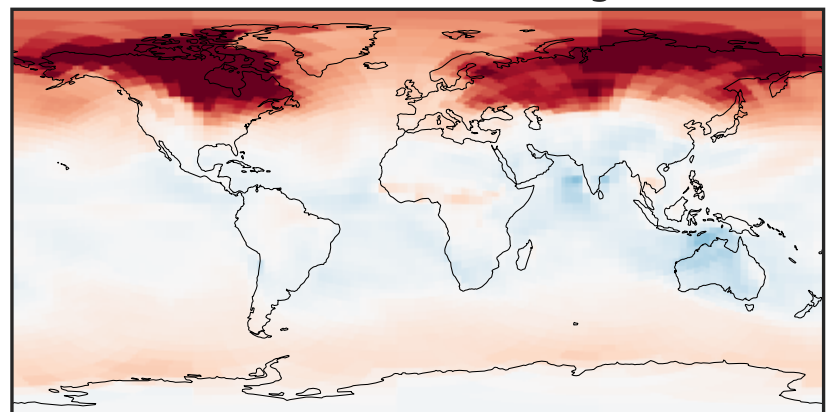
-0.004 0.000 0.004  
ppb

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



0.254 0.627 1.000 2.471 3.941  
unitless

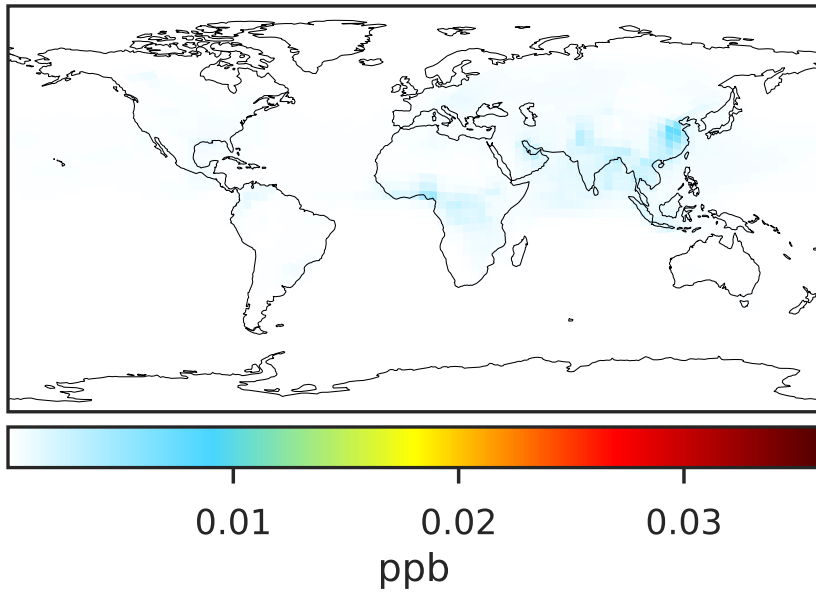
Ratio (1x1.25)  
Dev/Ref, Fixed Range



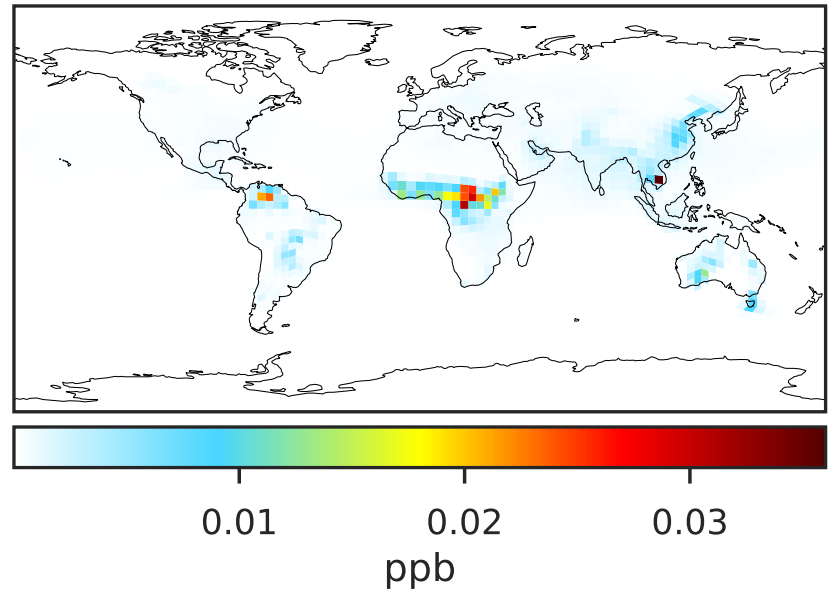
0.50 0.75 1.00 1.50 2.00  
unitless

# SpeciesConcVV\_PHEN (Jan2019)

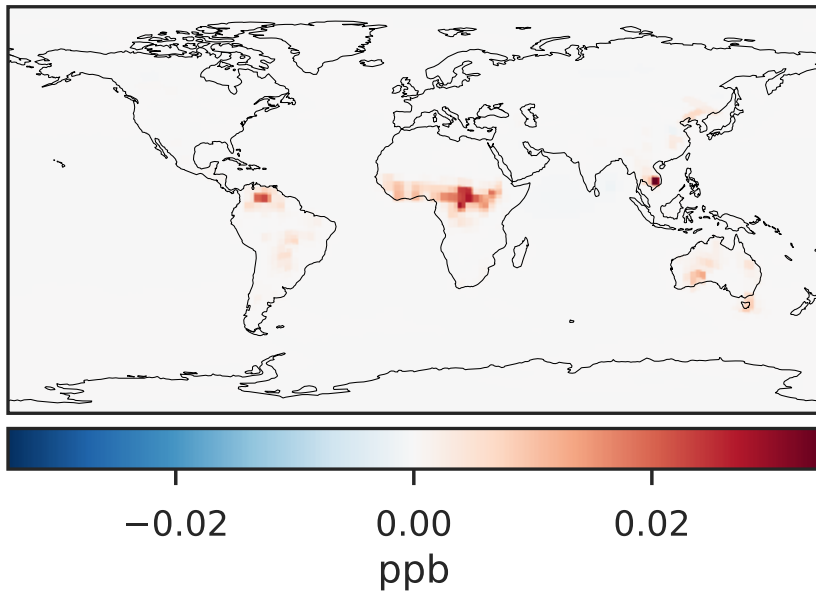
GCHP\_14.0.0 (Ref)  
c24



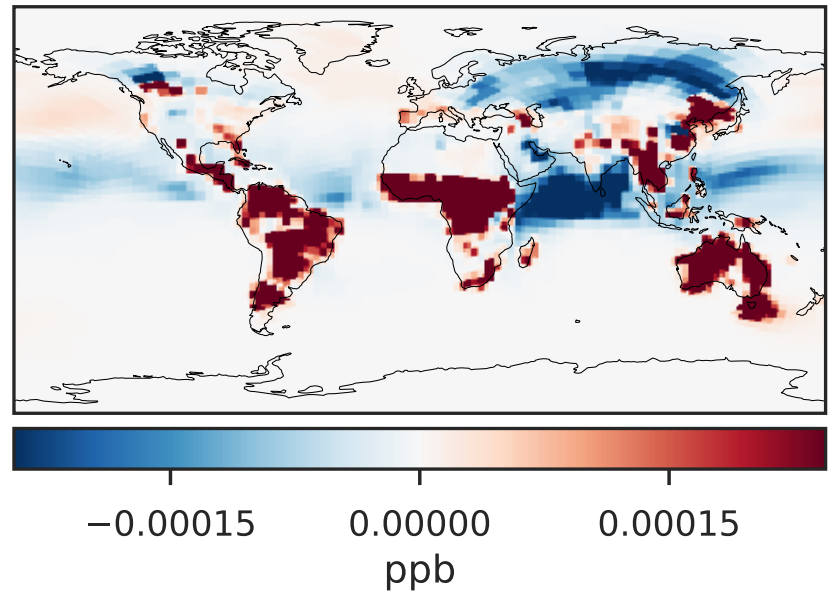
GCHP\_14.2.0 (Dev)  
c24



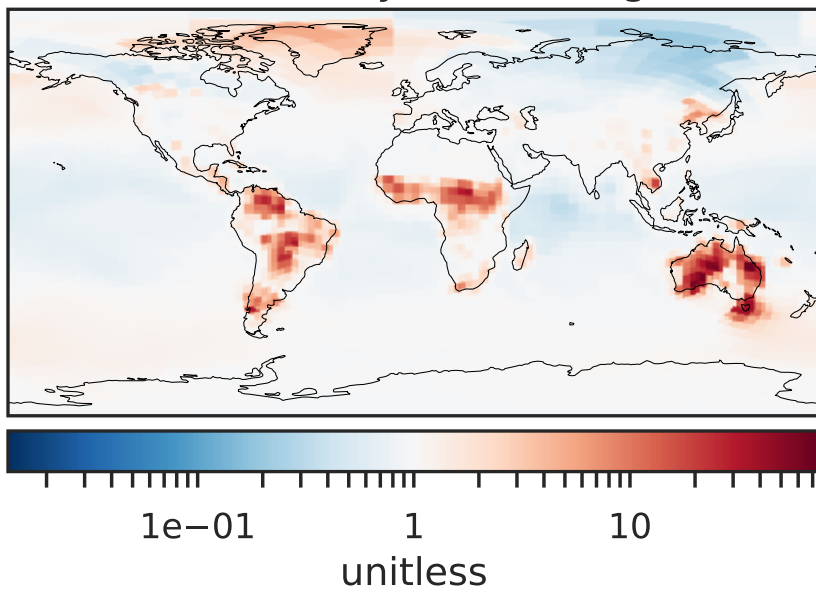
Difference (1x1.25)  
Dev - Ref, Dynamic Range



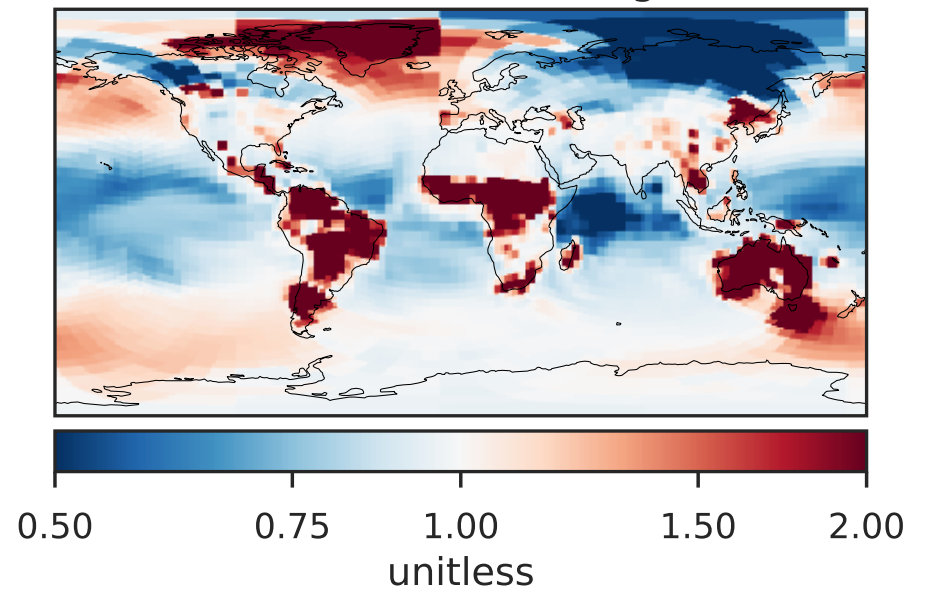
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

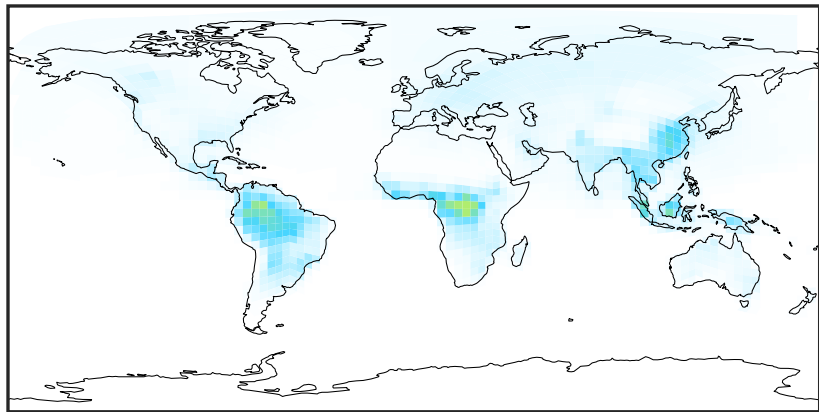


Ratio (1x1.25)  
Dev/Ref, Fixed Range



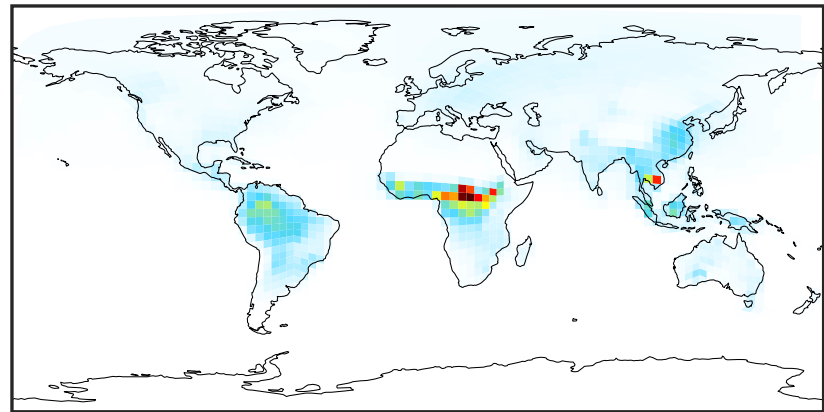
# SpeciesConcVV\_RCHO (Jan2019)

GCHP\_14.0.0 (Ref)  
c24



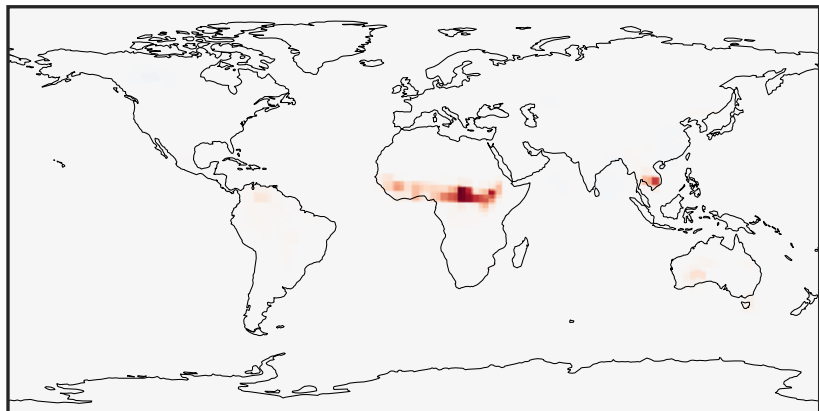
0.000 0.554 1.109 1.663 2.218  
ppb

GCHP\_14.2.0 (Dev)  
c24



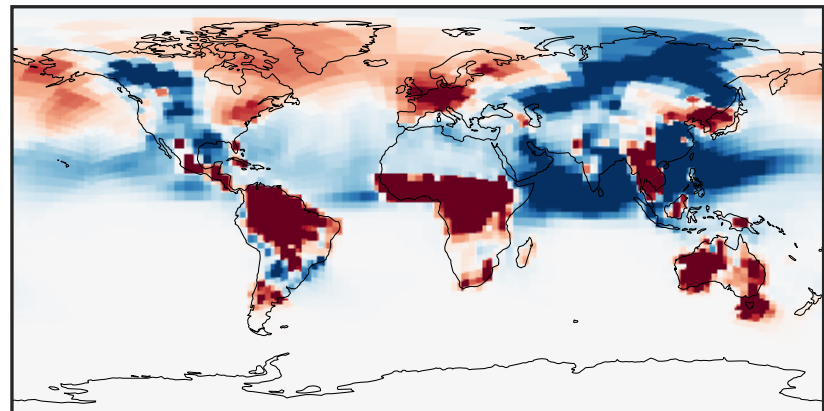
0.000 0.554 1.109 1.663 2.218  
ppb

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



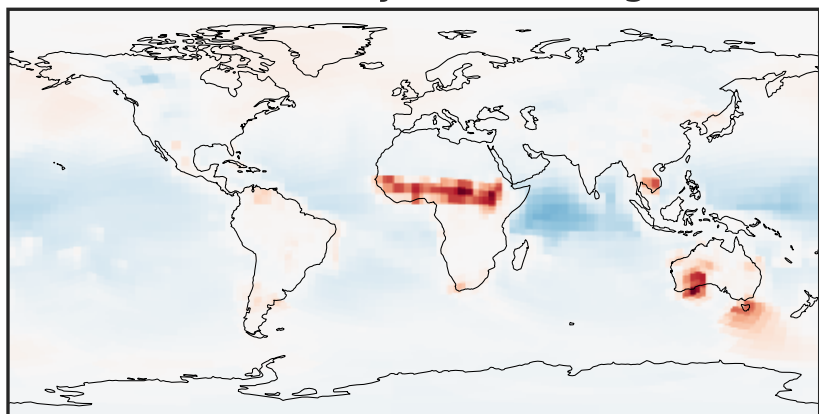
-1.68 -0.84 0.00 0.84 1.68  
ppb

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



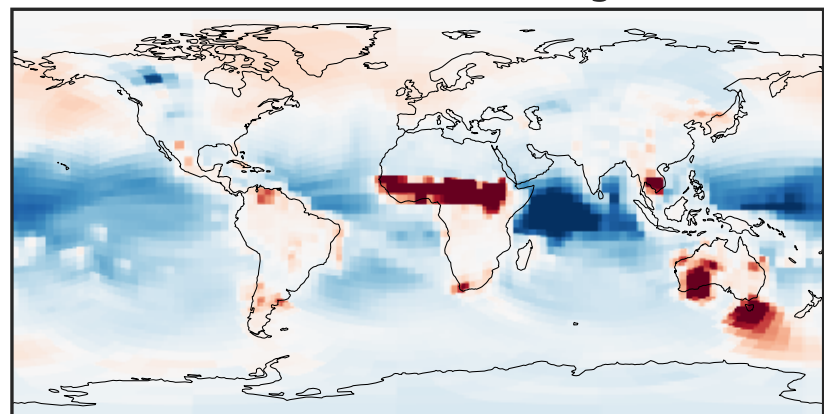
-0.004 0.000 0.004  
ppb

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



0.118 0.559 1.000 4.740 8.480  
unitless

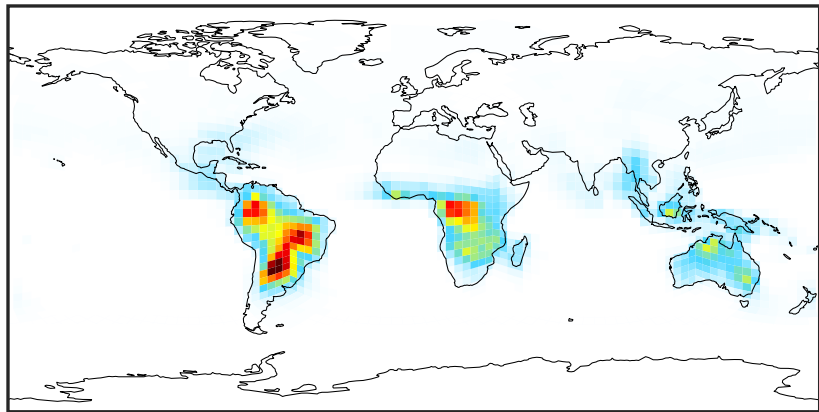
Ratio (1x1.25)  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

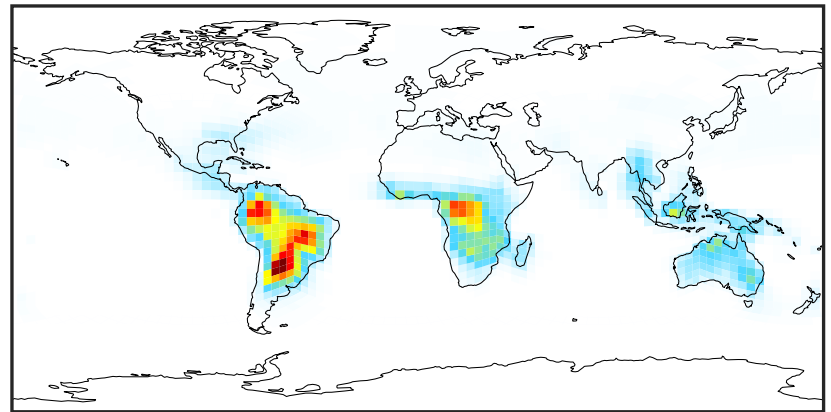
# SpeciesConcVV\_ETHP (Jan2019)

GCHP\_14.0.0 (Ref)  
c24



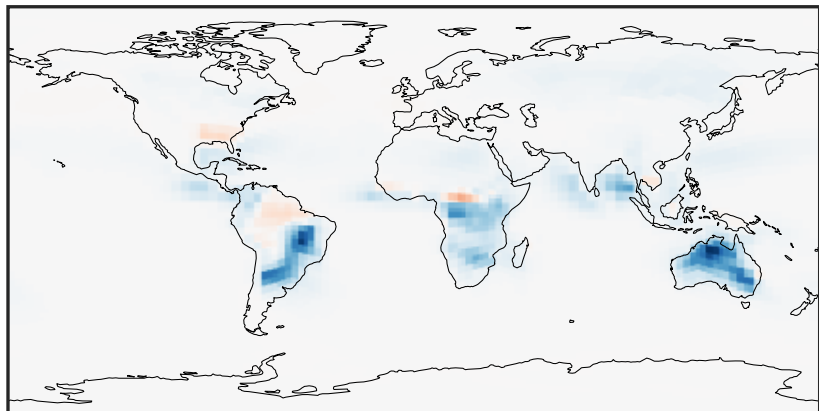
0.000 0.051 0.102 0.153 0.204  
ppb

GCHP\_14.2.0 (Dev)  
c24



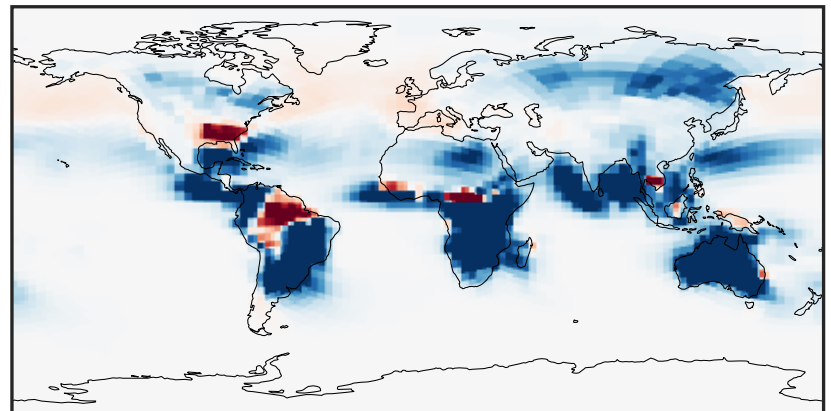
0.000 0.051 0.102 0.153 0.204  
ppb

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



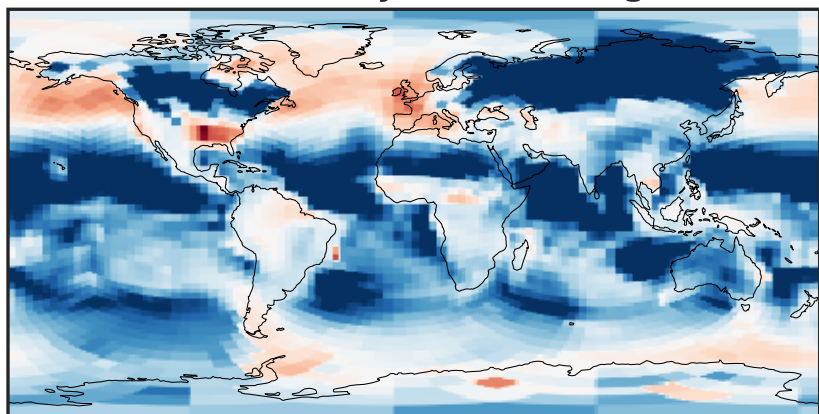
-0.015 0.000 0.015  
ppb

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



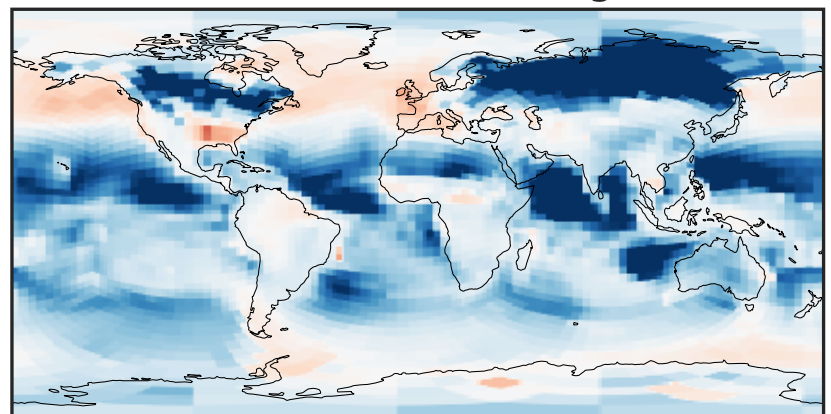
-0.0015 0.0000 0.0015  
ppb

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



0.6597 0.8298 1.0000 1.2580 1.5159  
unitless

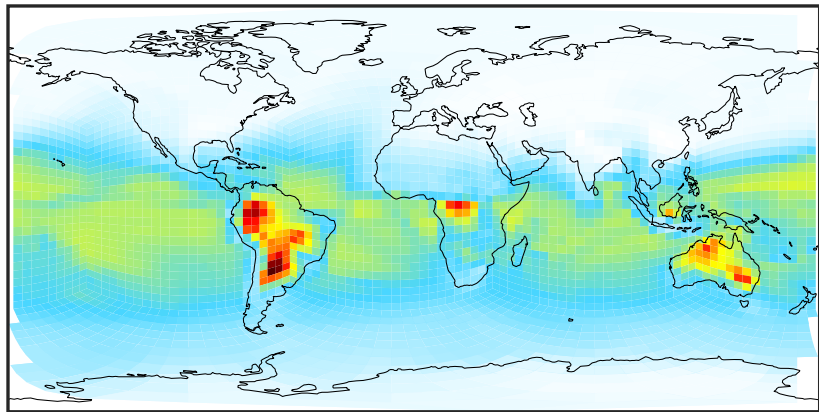
Ratio (1x1.25)  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

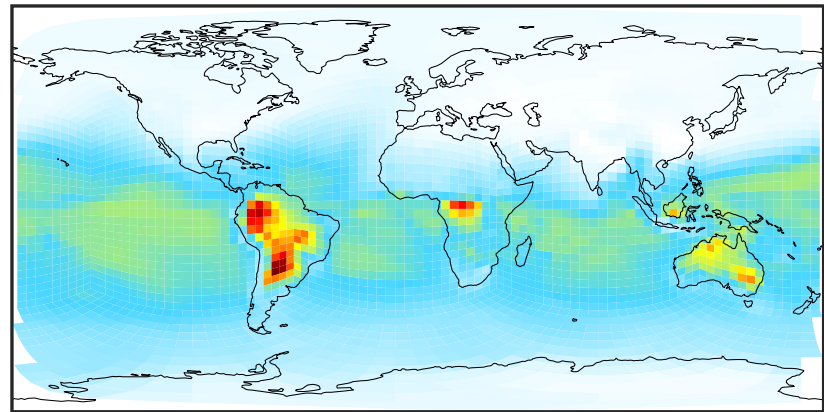
# SpeciesConcVV\_MP (Jan2019)

GCHP\_14.0.0 (Ref)  
c24



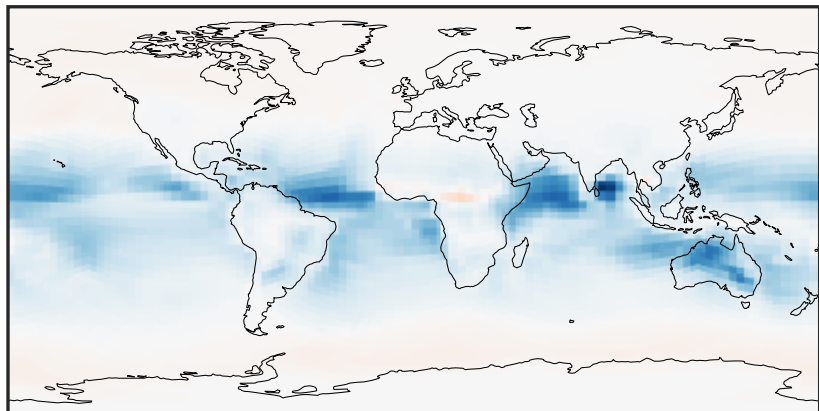
0.020 0.623 1.246 1.869 2.511  
ppb

GCHP\_14.2.0 (Dev)  
c24



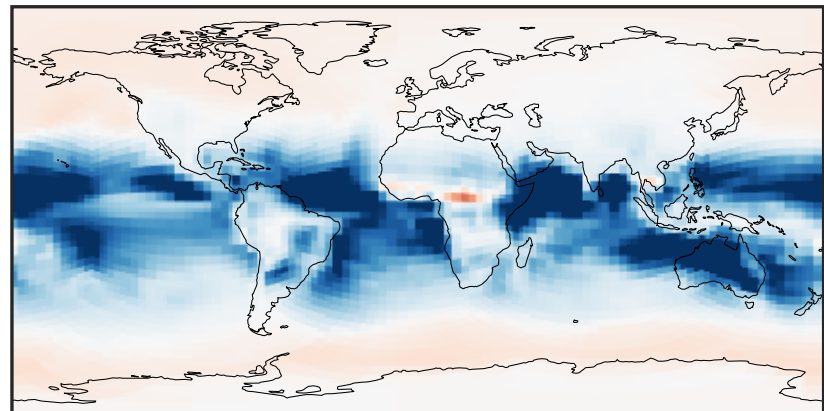
0.020 0.623 1.246 1.869 2.511  
ppb

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



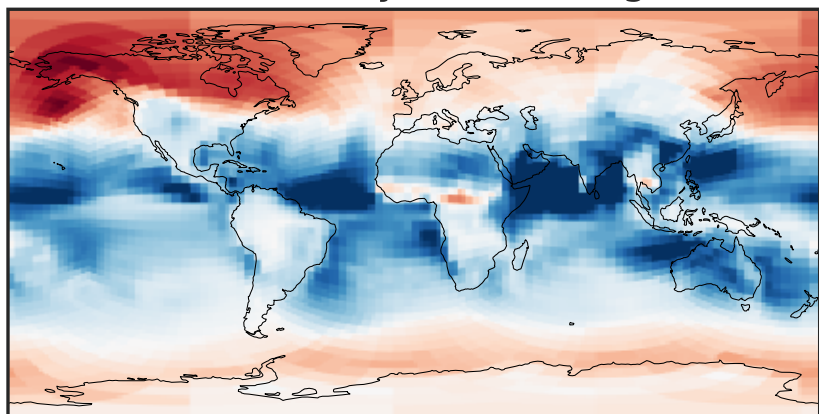
-0.4177 -0.2089 0.0000 0.2089 0.4177  
ppb

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



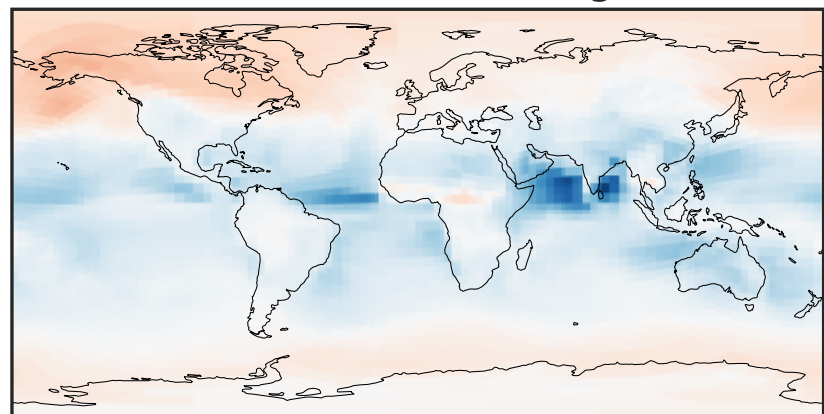
-0.150 -0.075 0.000 0.075 0.150  
ppb

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



0.7900 0.8950 1.0000 1.1329 1.2658  
unitless

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



0.50 0.75 1.00 1.50 2.00  
unitless