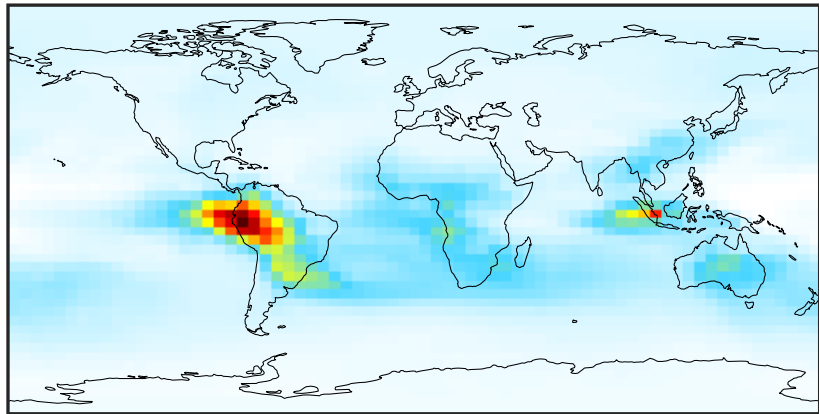


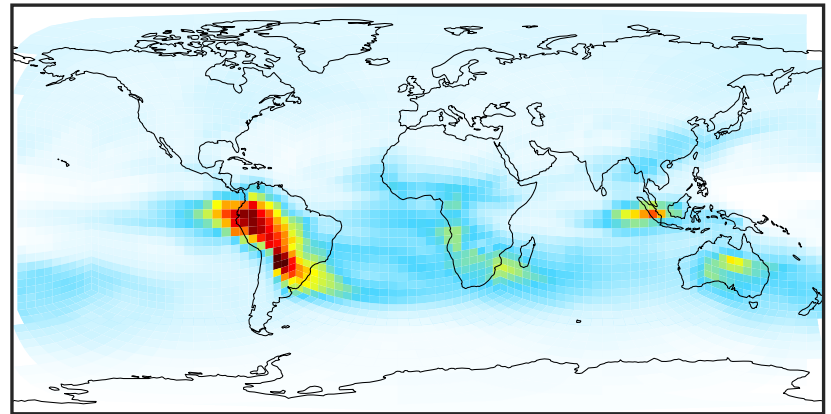
SpeciesConcVV_ACTA (Oct2019)

GCC_14.2.0 (Ref)
4.0x5.0



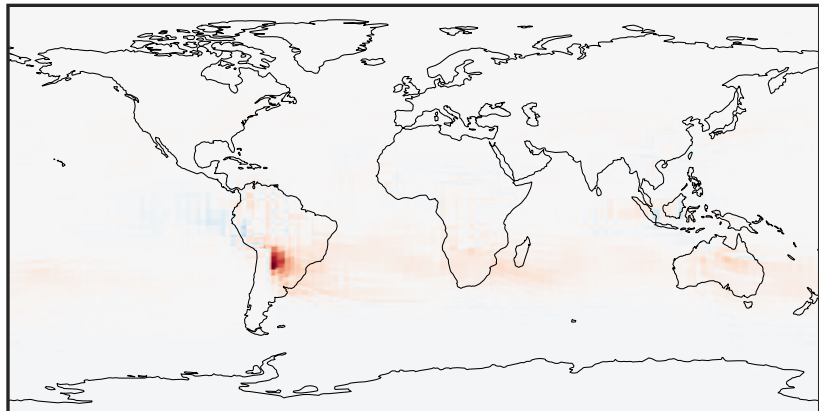
0.007 0.079 0.158 0.237 0.323
ppb

GCHP_14.2.0 (Dev)
c24



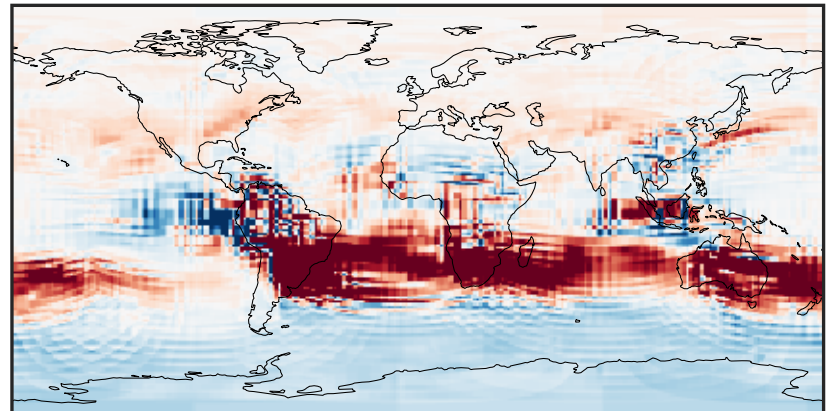
0.007 0.079 0.158 0.237 0.323
ppb

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



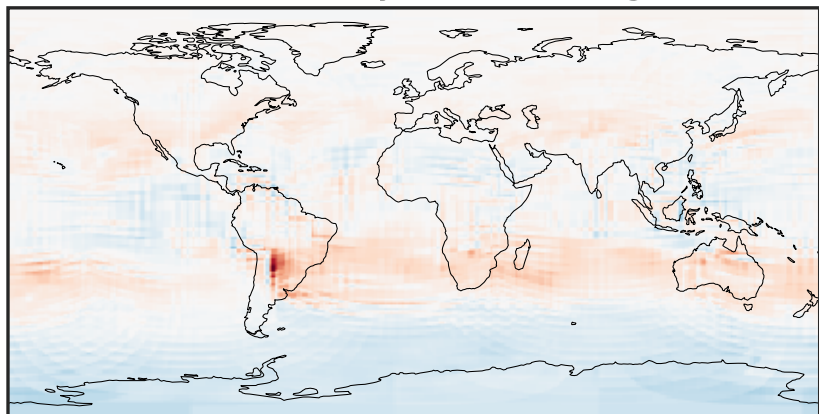
-0.2782 -0.1391 0.0000 0.1391 0.2782
ppb

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



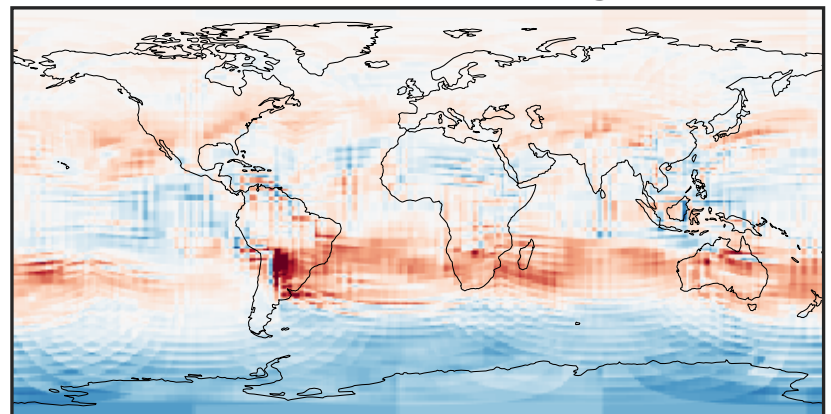
-0.008 0.000 0.008
ppb

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



0.204 0.602 1.000 2.950 4.900
unitless

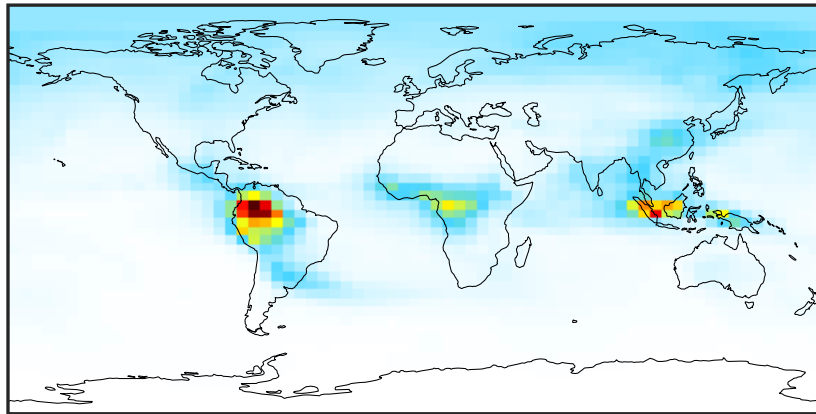
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

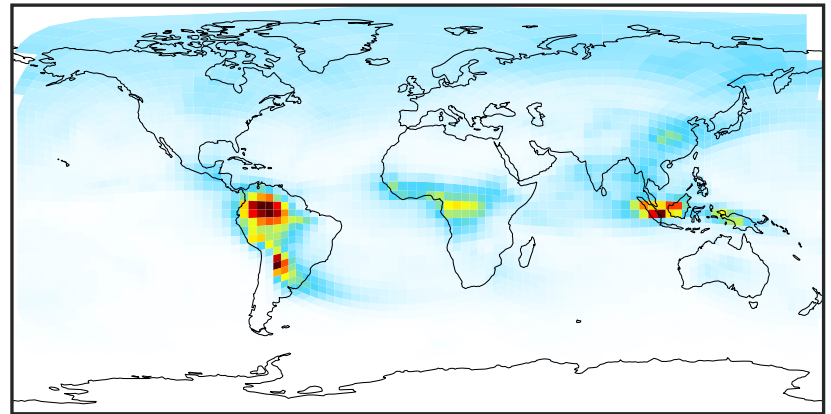
SpeciesConcVW_ALD2 (Oct2019)

GCC_14.2.0 (Ref)
4.0x5.0



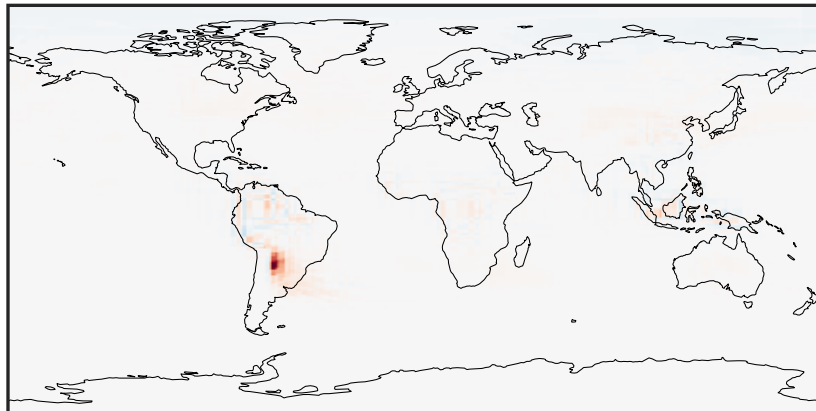
0.0011 0.0439 0.0878 0.1317 0.1767
ppb

GCHP_14.2.0 (Dev)
c24



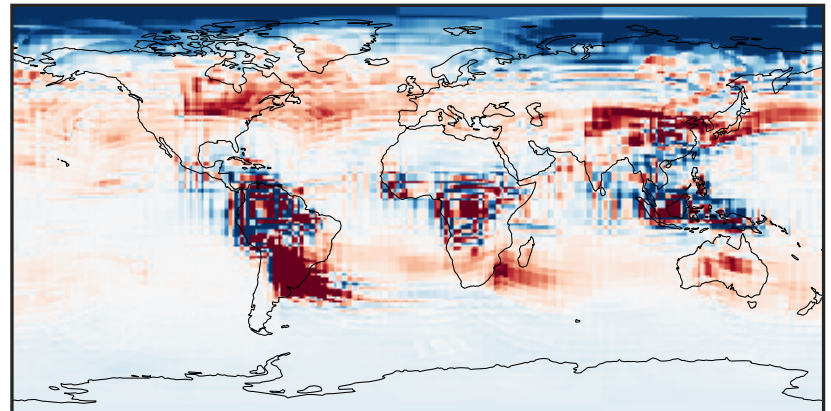
0.0011 0.0439 0.0878 0.1317 0.1767
ppb

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



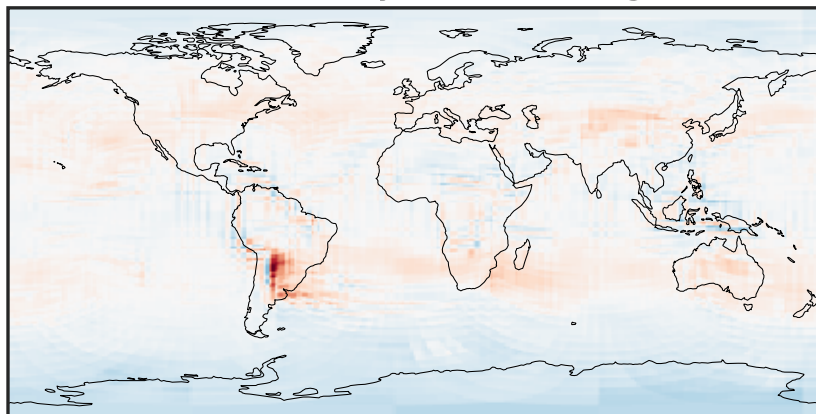
-0.1962 -0.0981 0.0000 0.0981 0.1962
ppb

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



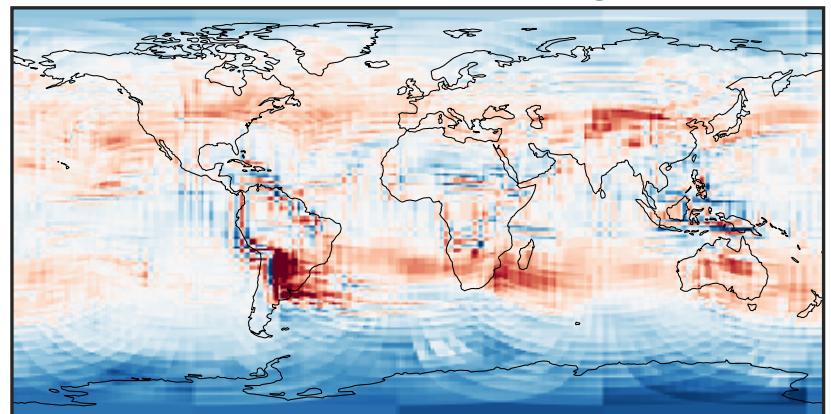
-0.003 0.000 0.003
ppb

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



0.101 0.551 1.000 5.437 9.874
unitless

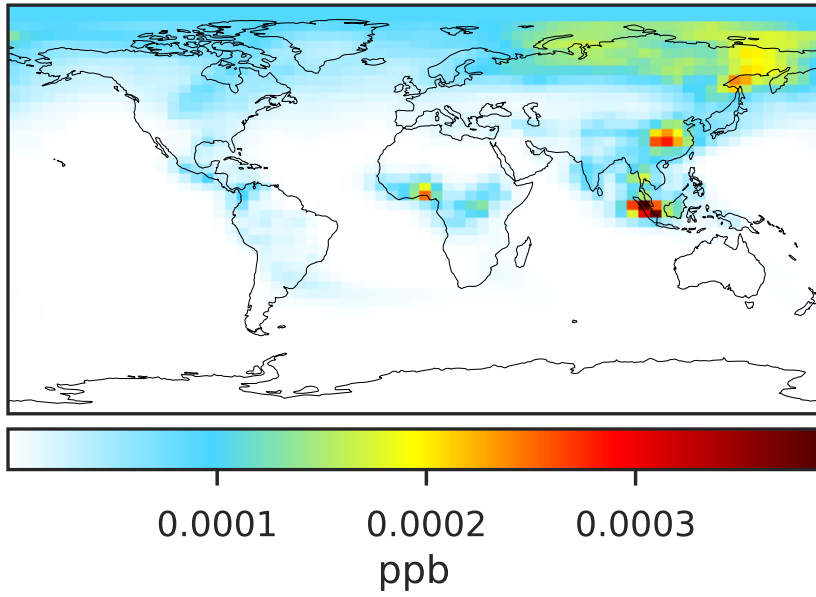
Ratio (1x1.25)
Dev/Ref, Fixed Range



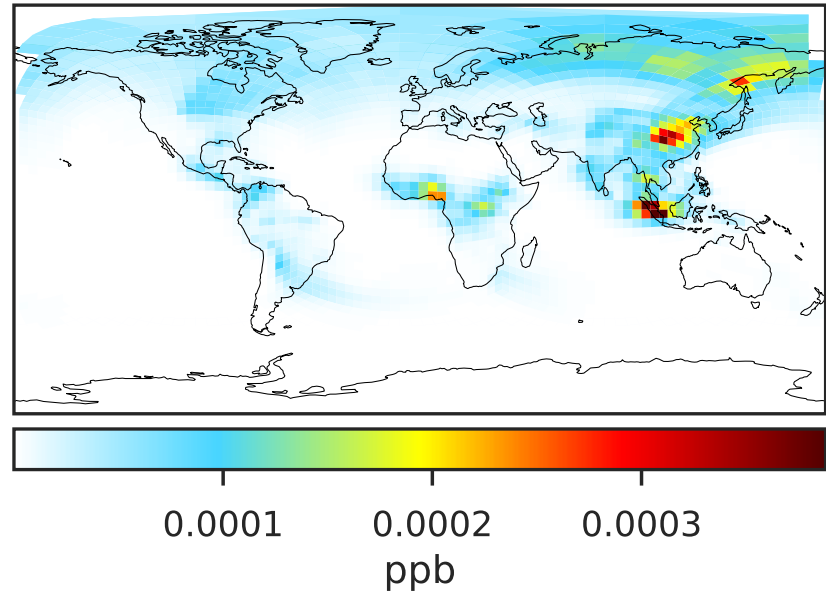
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_BALD (Oct2019)

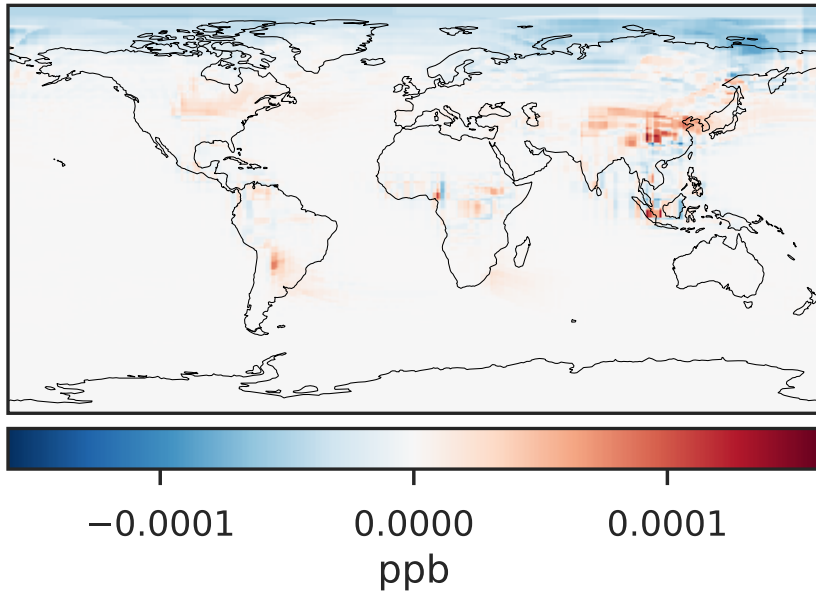
GCC_14.2.0 (Ref)
4.0x5.0



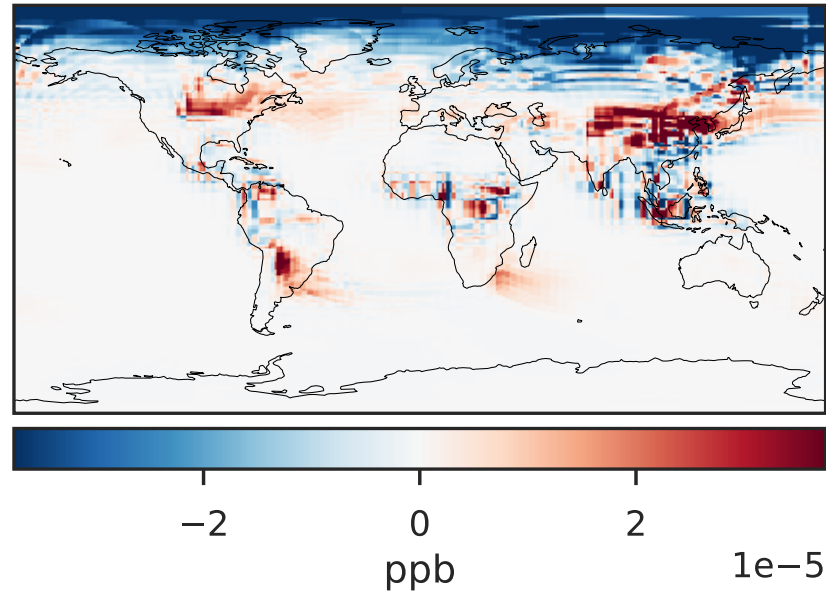
GCHP_14.2.0 (Dev)
c24



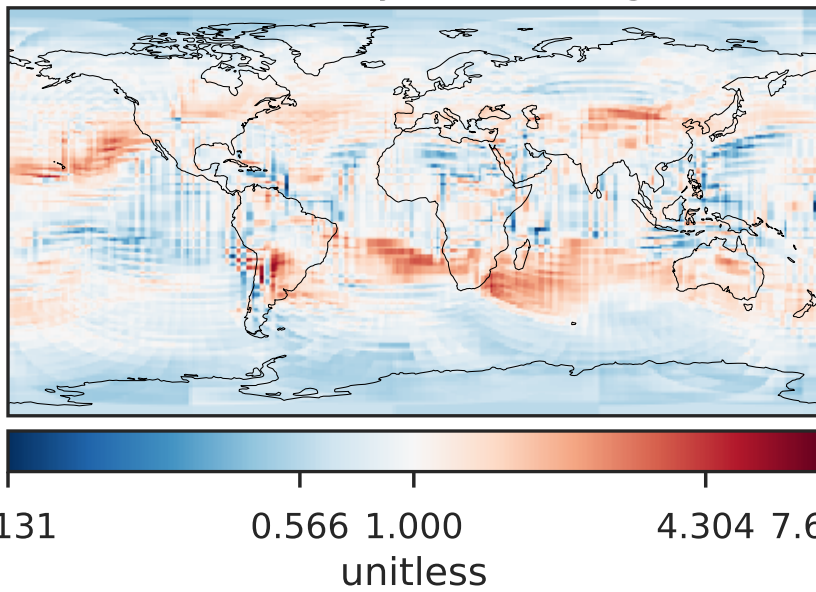
Difference (1x1.25)
Dev - Ref, Dynamic Range



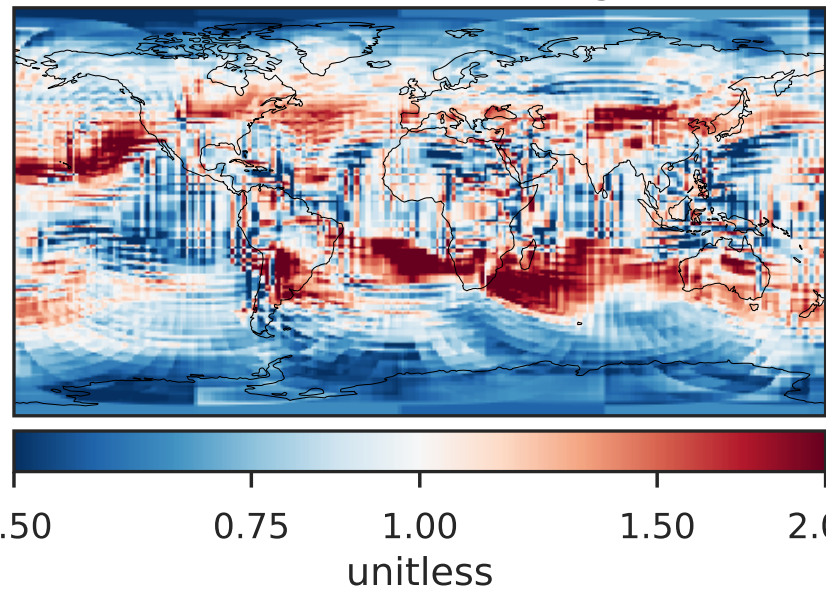
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

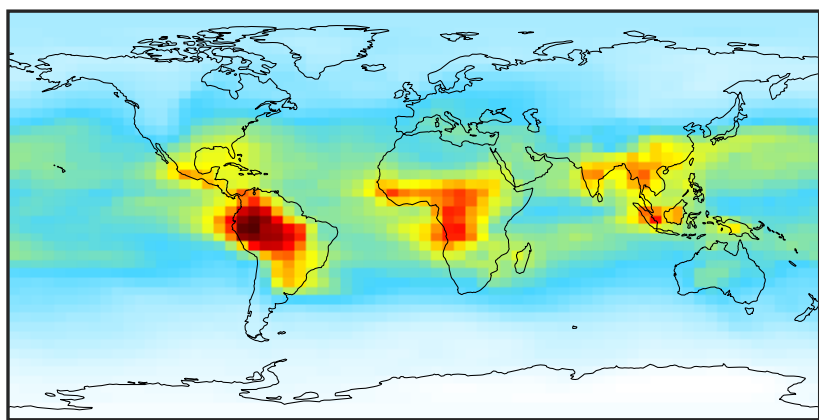


Ratio (1x1.25)
Dev/Ref, Fixed Range



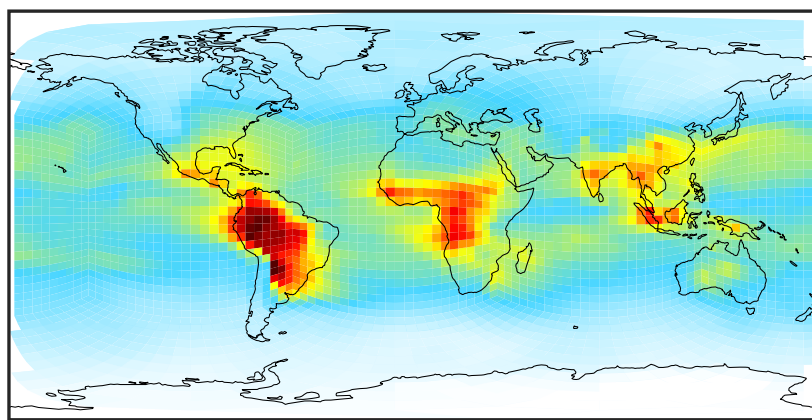
SpeciesConcVV_CH20 (Oct2019)

GCC_14.2.0 (Ref)
4.0x5.0



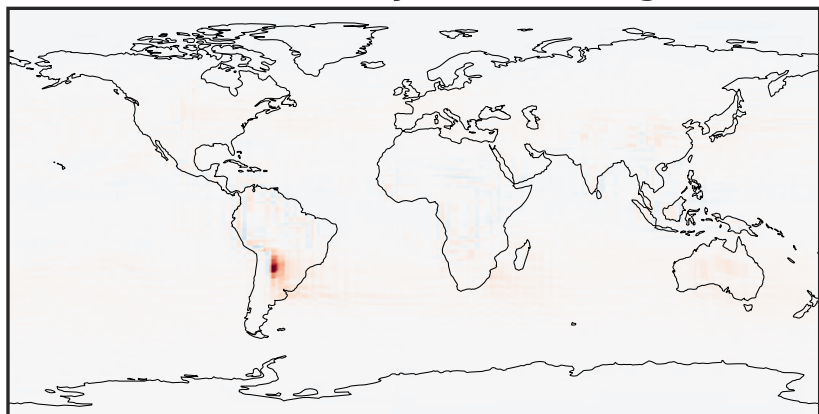
0.0199 0.1063 0.2127 0.3190 0.4453
ppb

GCHP_14.2.0 (Dev)
c24



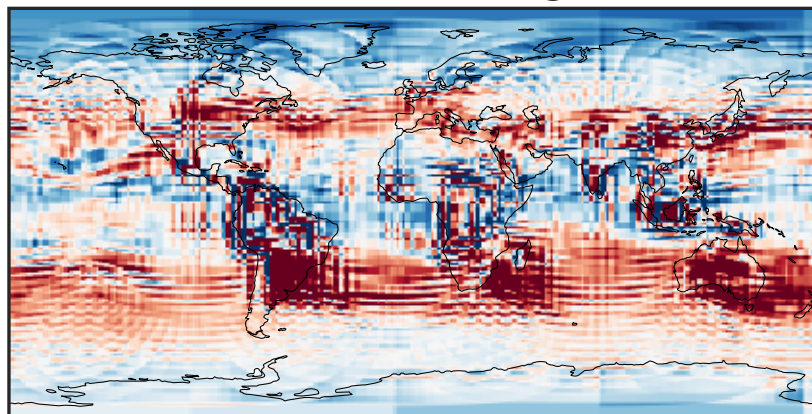
0.0199 0.1063 0.2127 0.3190 0.4453
ppb

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



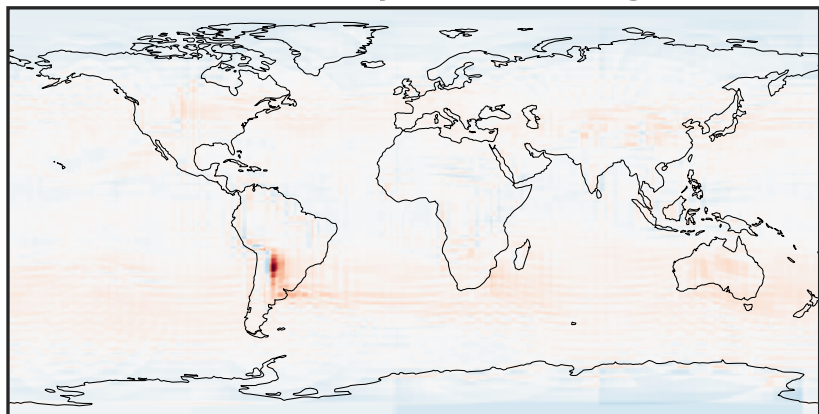
-0.4474 -0.2237 0.0000 0.2237 0.4474
ppb

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



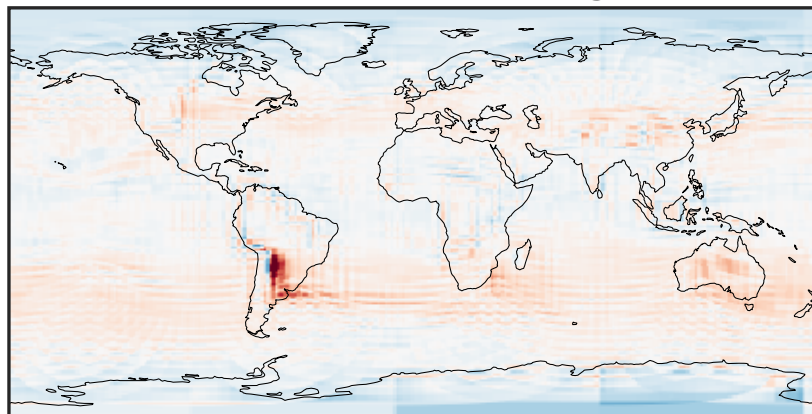
-0.008 0.000 0.008
ppb

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



0.259 0.629 1.000 2.434 3.867
unitless

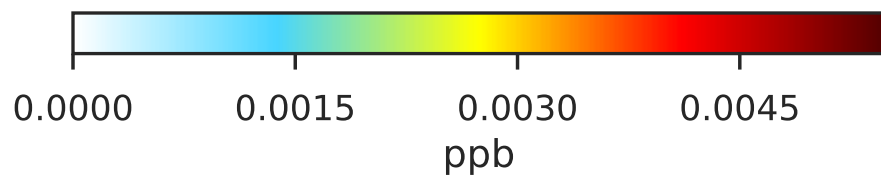
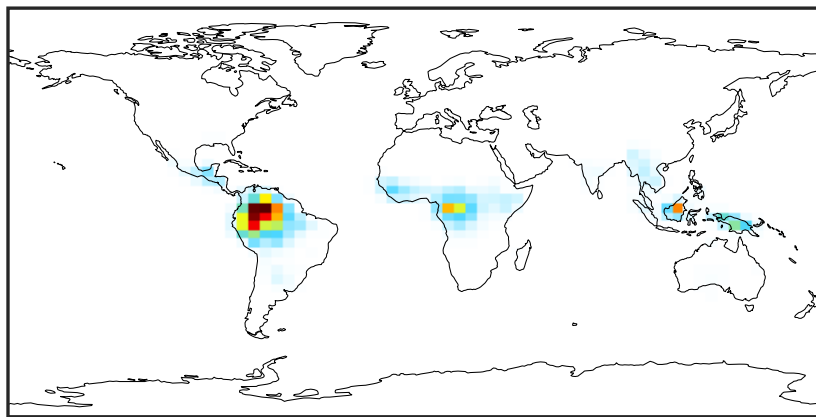
Ratio (1x1.25)
Dev/Ref, Fixed Range



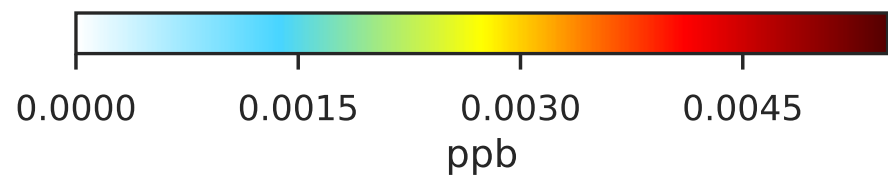
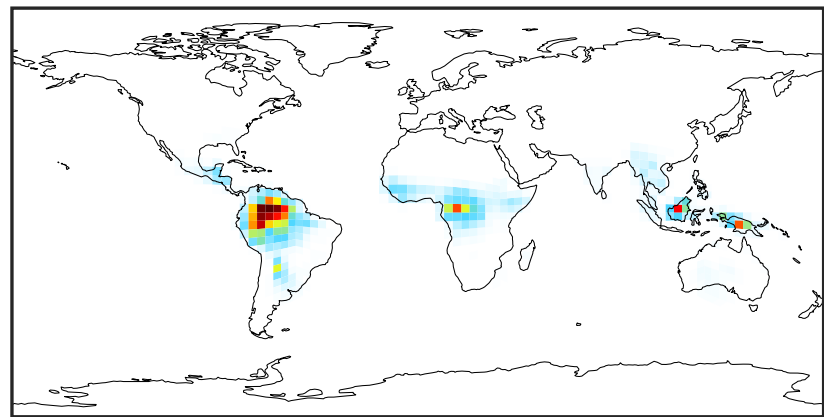
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_HPALDs (Oct2019)

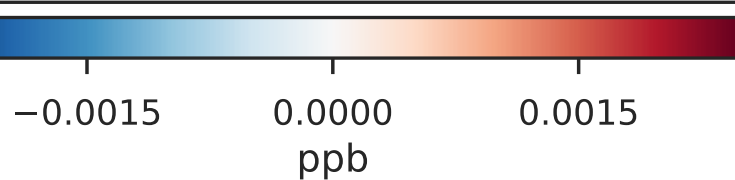
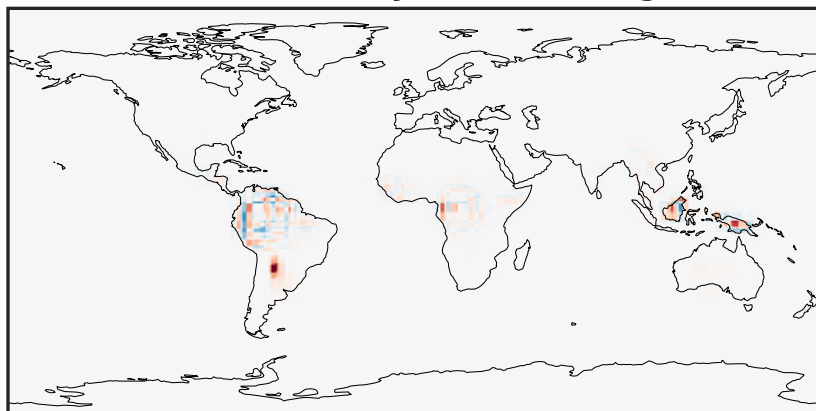
GCC_14.2.0 (Ref)
4.0x5.0



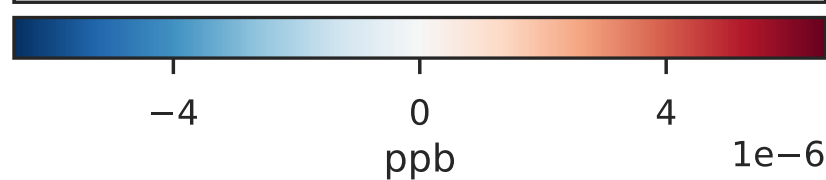
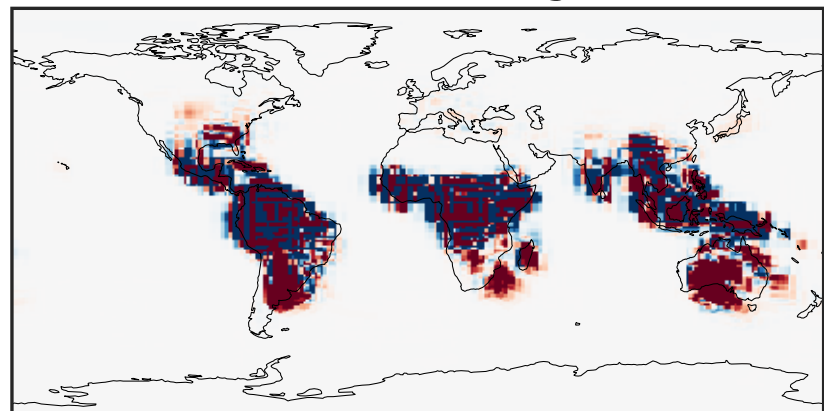
GCHP_14.2.0 (Dev)
c24



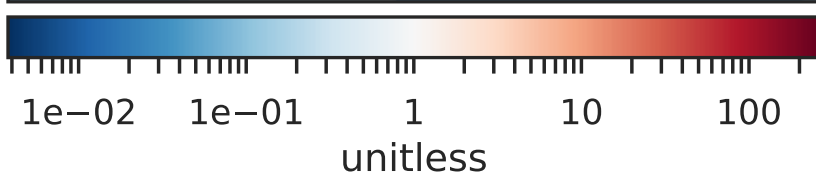
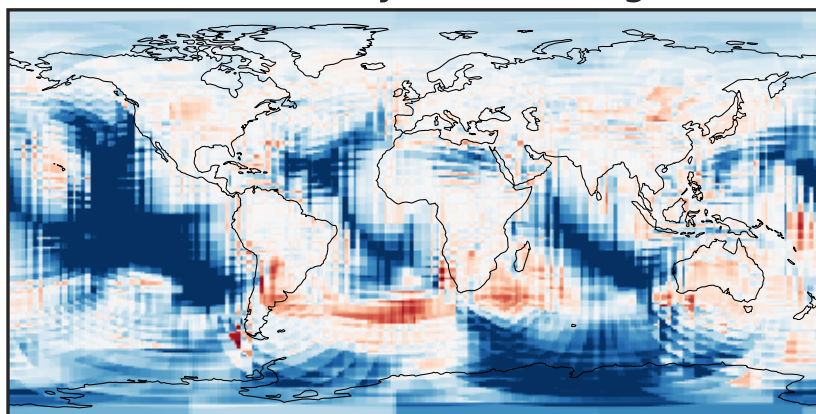
Difference (1x1.25)
Dev - Ref, Dynamic Range



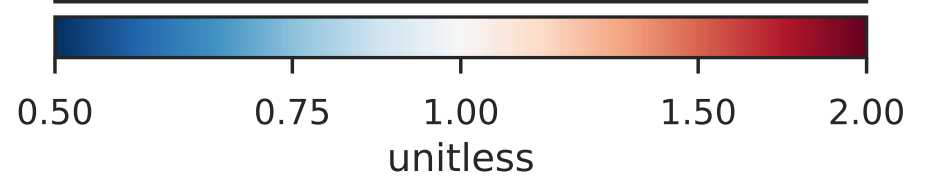
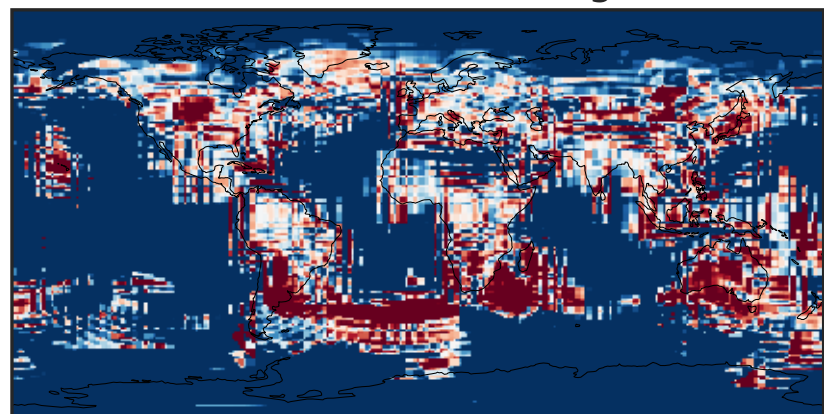
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

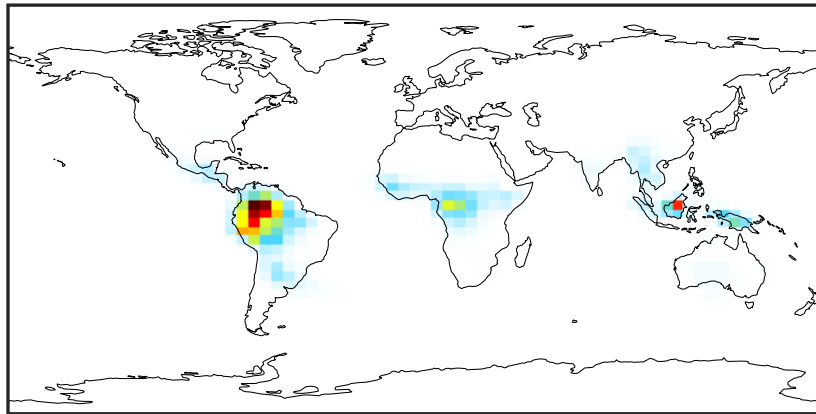


Ratio (1x1.25)
Dev/Ref, Fixed Range



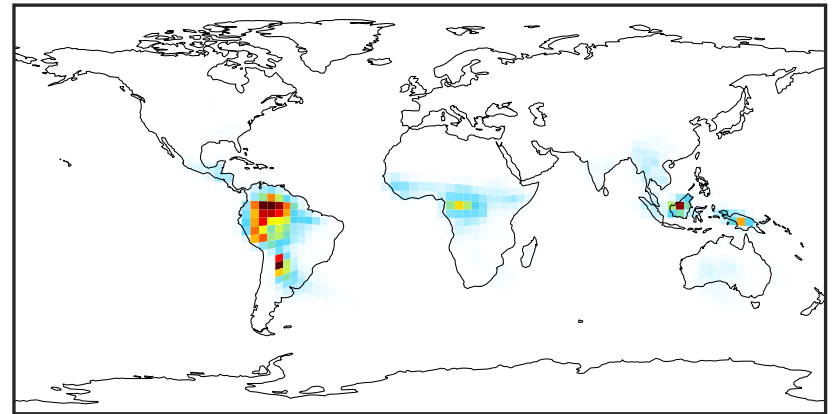
SpeciesConcVV_MACR (Oct2019)

GCC_14.2.0 (Ref)
4.0x5.0



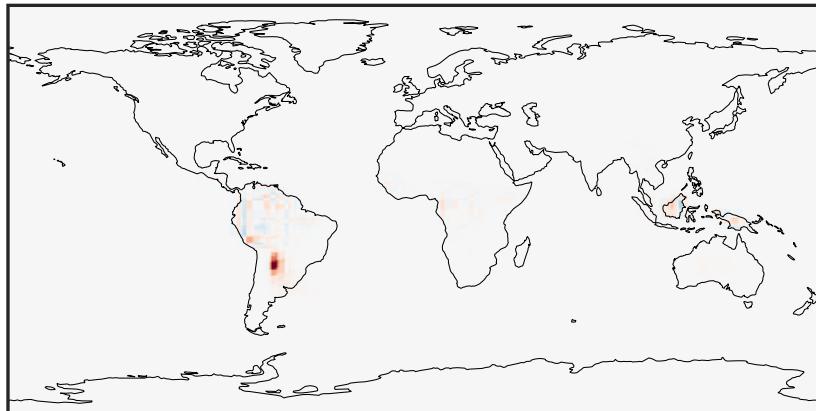
0.000 0.015 0.030 0.045
ppb

GCHP_14.2.0 (Dev)
c24



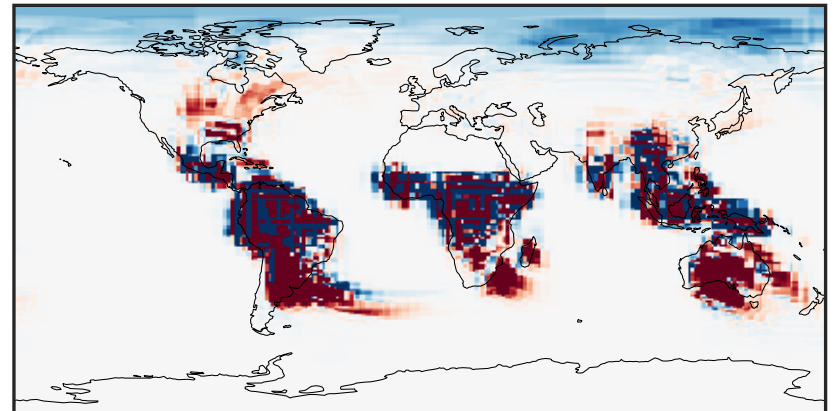
0.000 0.015 0.030 0.045
ppb

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



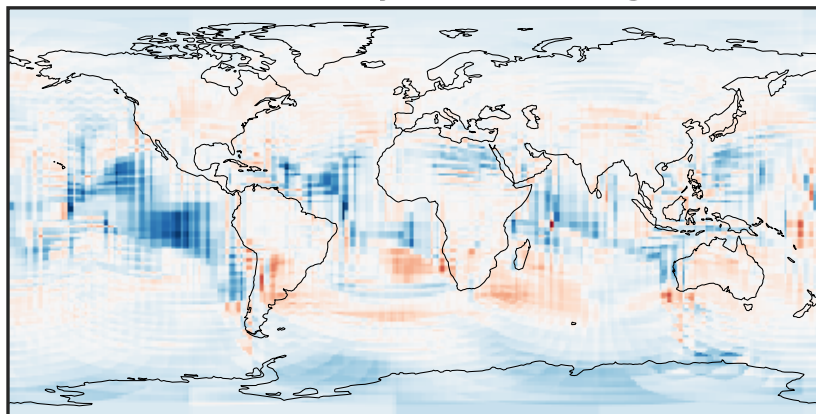
-0.0768 -0.0384 0.0000 0.0384 0.0768
ppb

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



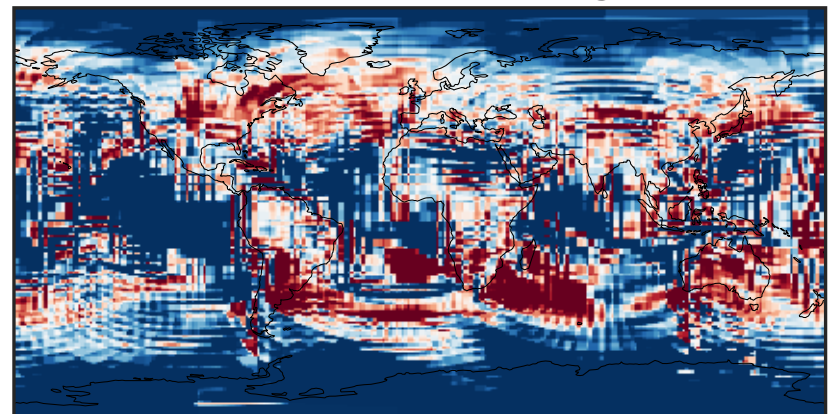
-8 0 8
ppb 1e-5

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



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

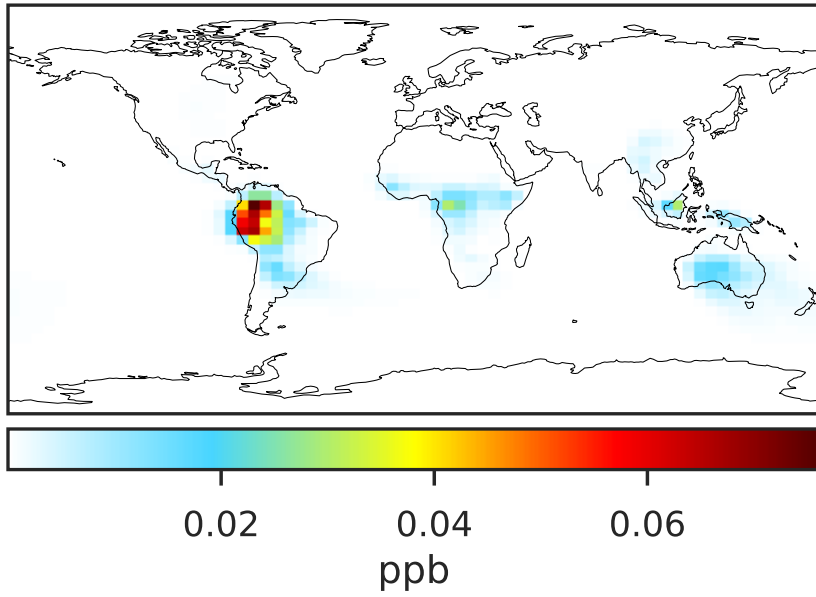
Ratio (1x1.25)
Dev/Ref, Fixed Range



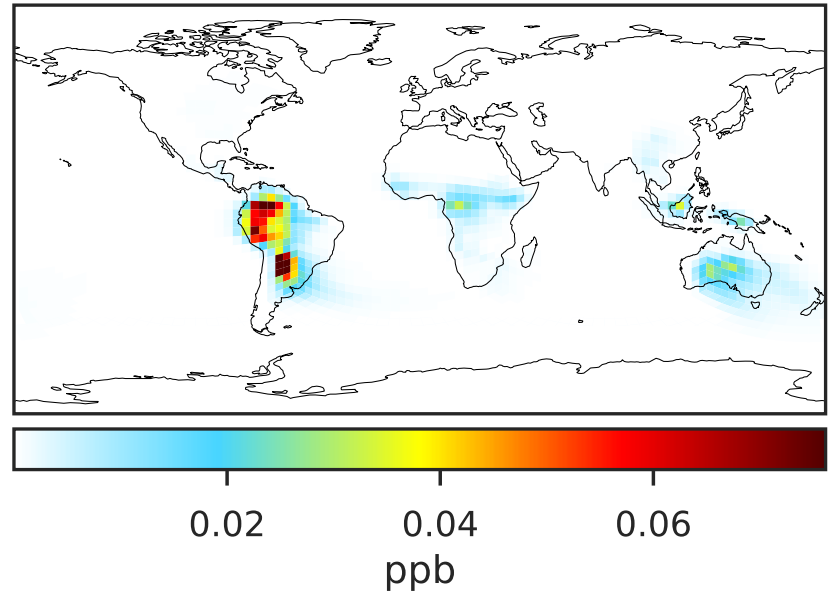
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_IEPOX (Oct2019)

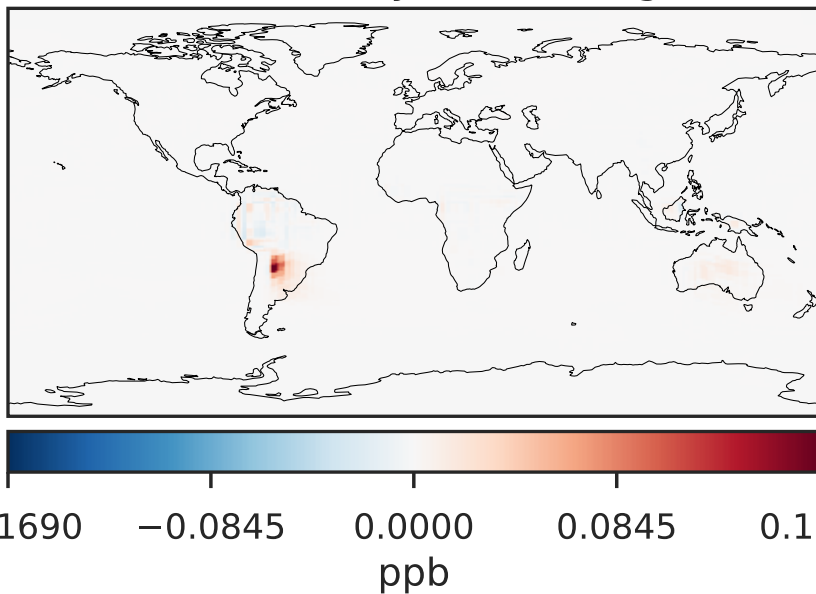
GCC_14.2.0 (Ref)
4.0x5.0



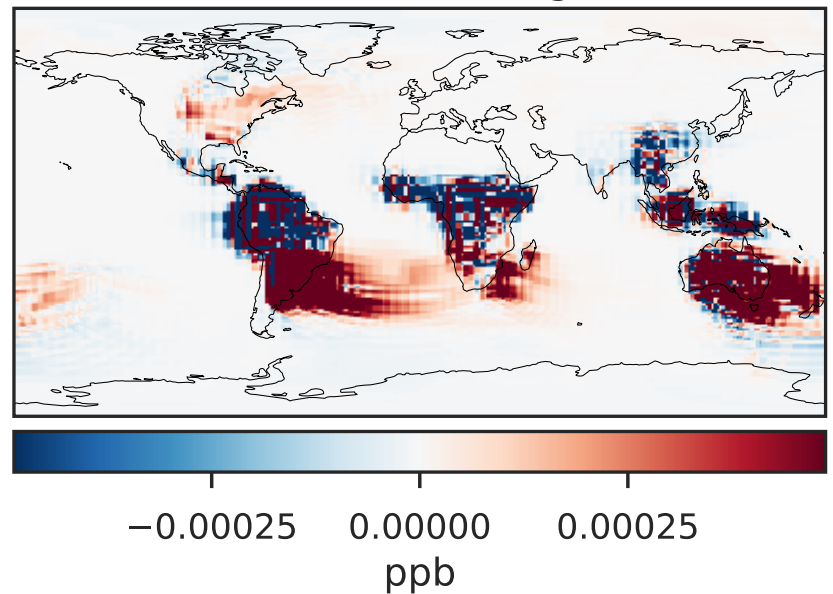
GCHP_14.2.0 (Dev)
c24



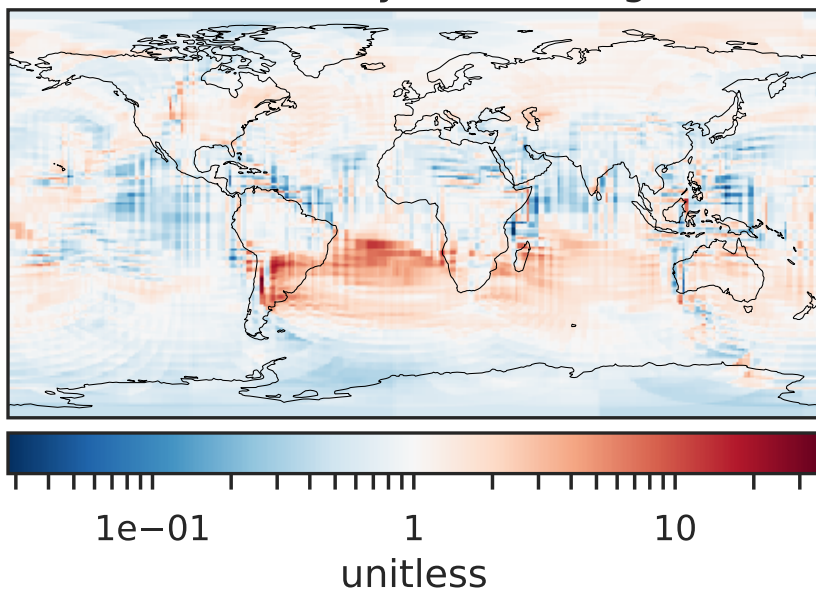
Difference (1x1.25)
Dev - Ref, Dynamic Range



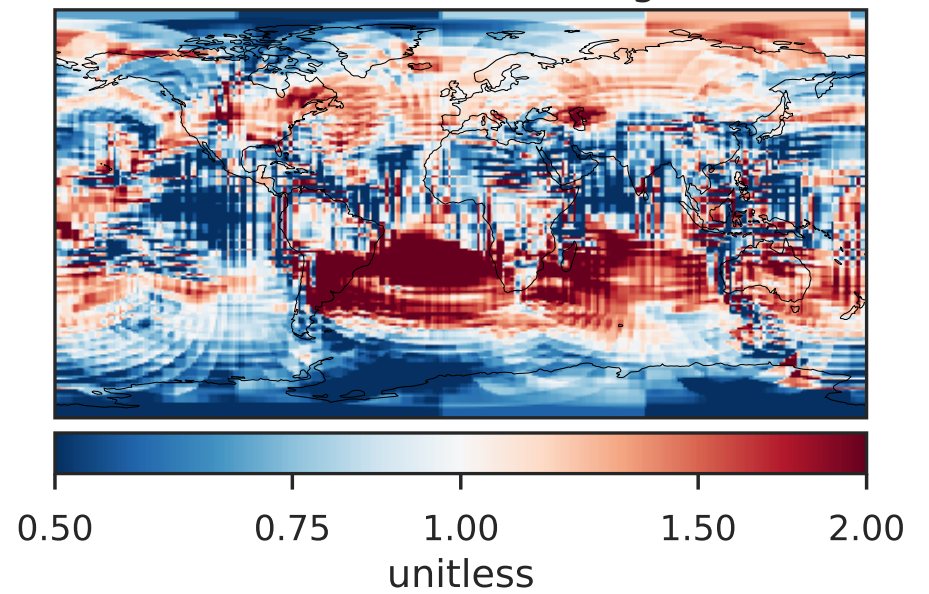
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

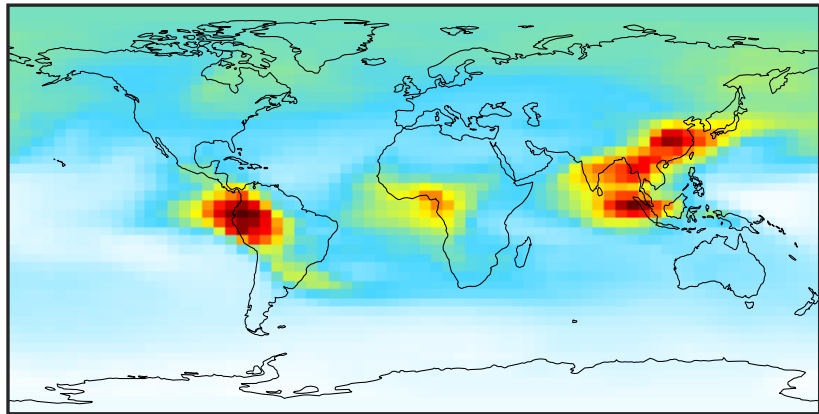


Ratio (1x1.25)
Dev/Ref, Fixed Range



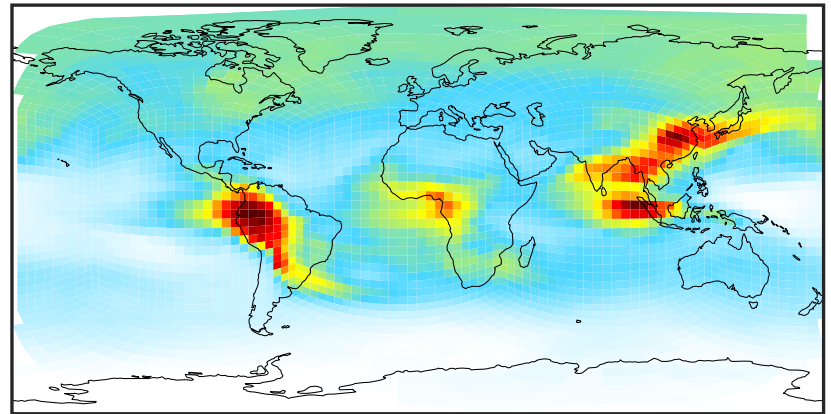
SpeciesConcVV_ACET (Oct2019)

GCC_14.2.0 (Ref)
4.0x5.0



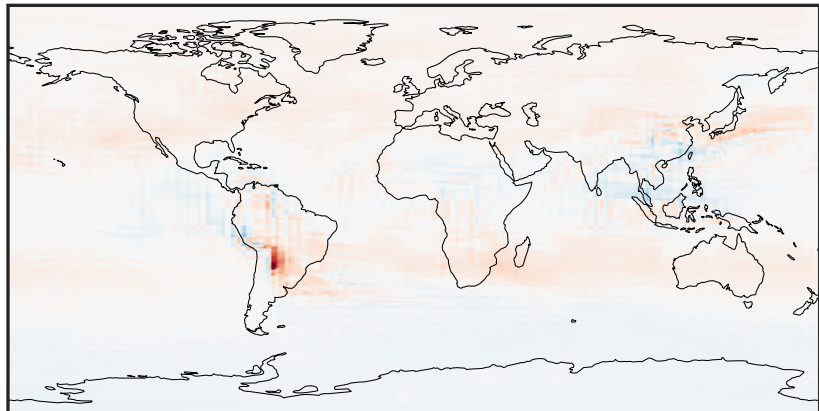
0.268 0.425 0.851 1.276 1.967
ppb

GCHP_14.2.0 (Dev)
c24



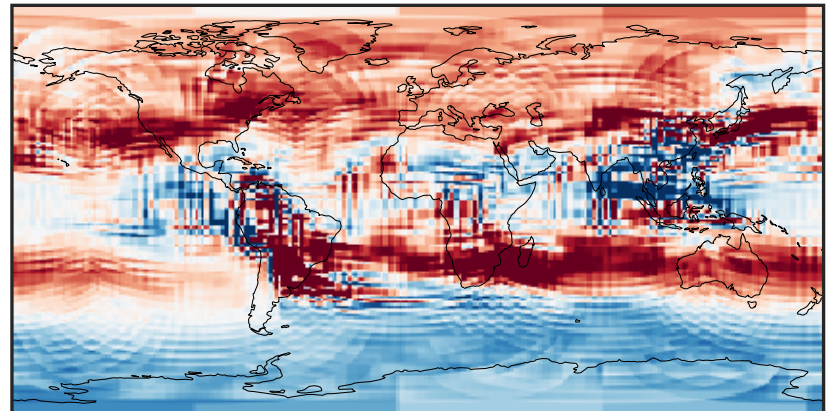
0.268 0.425 0.851 1.276 1.967
ppb

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



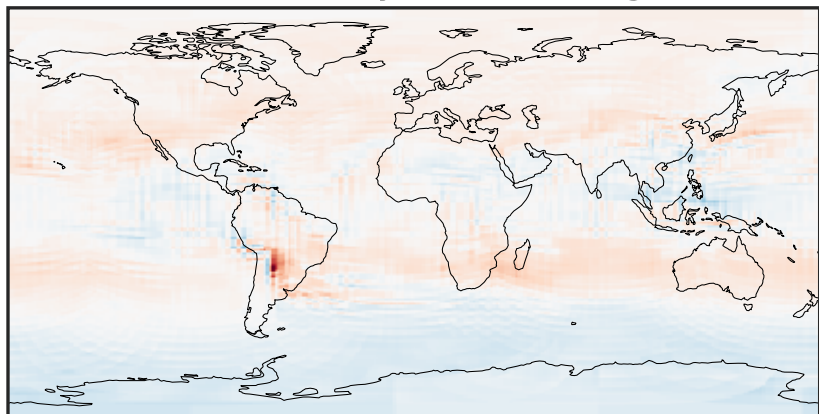
-0.969 -0.485 0.000 0.485 0.969
ppb

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



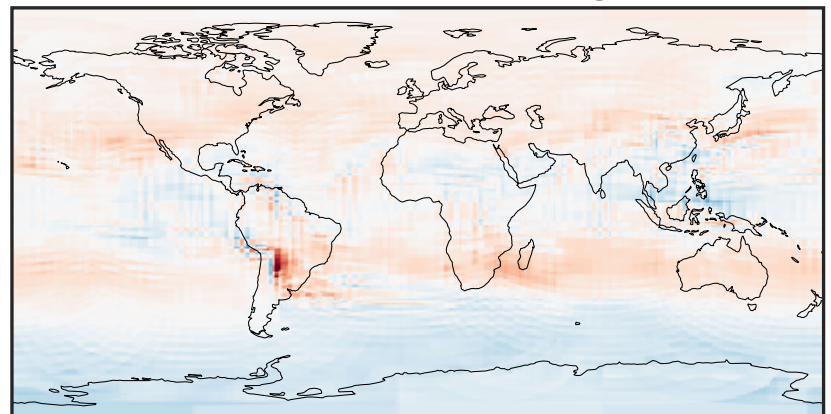
-0.0783 -0.0392 0.0000 0.0392 0.0783
ppb

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



0.402 0.701 1.000 1.743 2.486
unitless

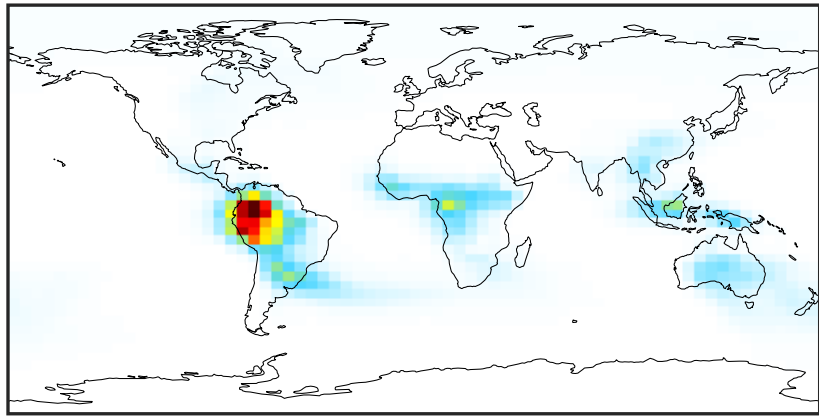
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

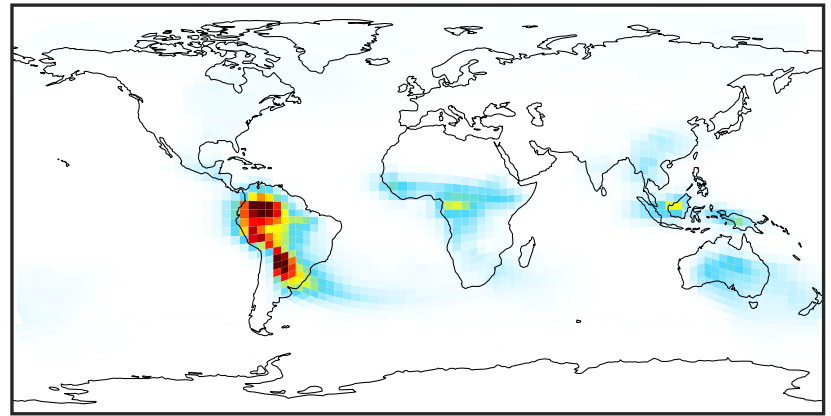
SpeciesConcVV_HAC (Oct2019)

GCC_14.2.0 (Ref)
4.0x5.0



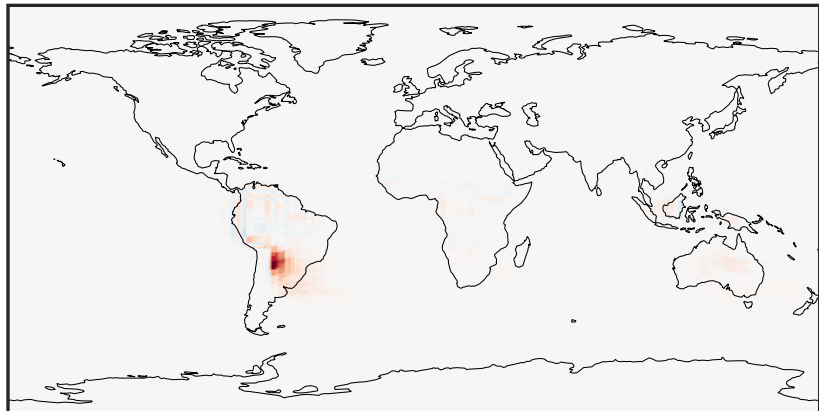
0.0002 0.0464 0.0929 0.1393 0.1859
ppb

GCHP_14.2.0 (Dev)
c24



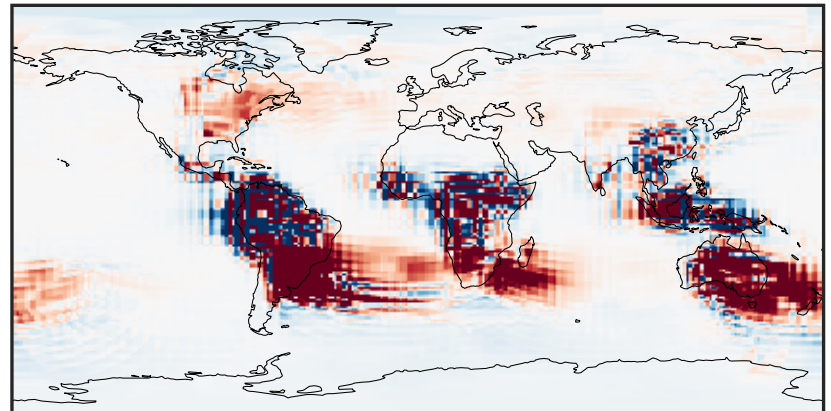
0.0002 0.0464 0.0929 0.1393 0.1859
ppb

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



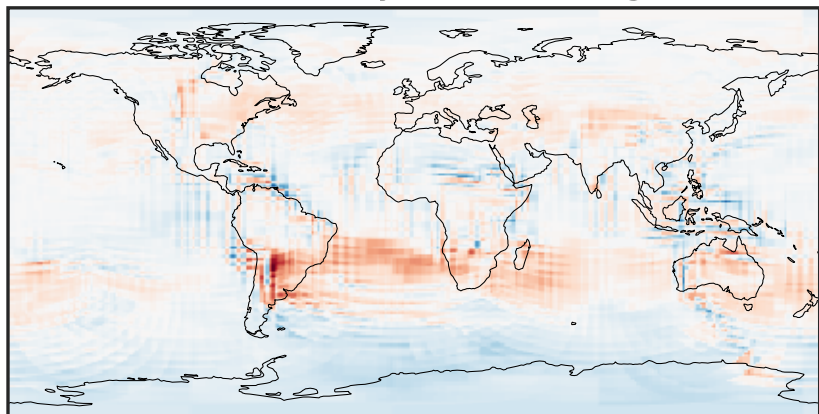
-0.2754 -0.1377 0.0000 0.1377 0.2754
ppb

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



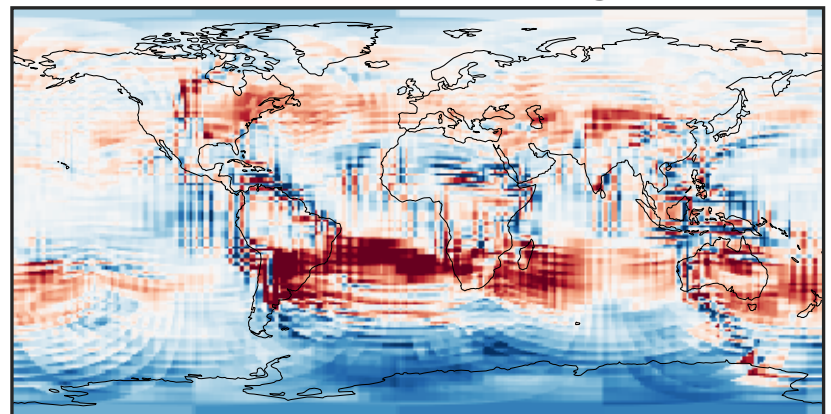
-0.0015 0.0000 0.0015
ppb

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



1e-01 1 10
unitless

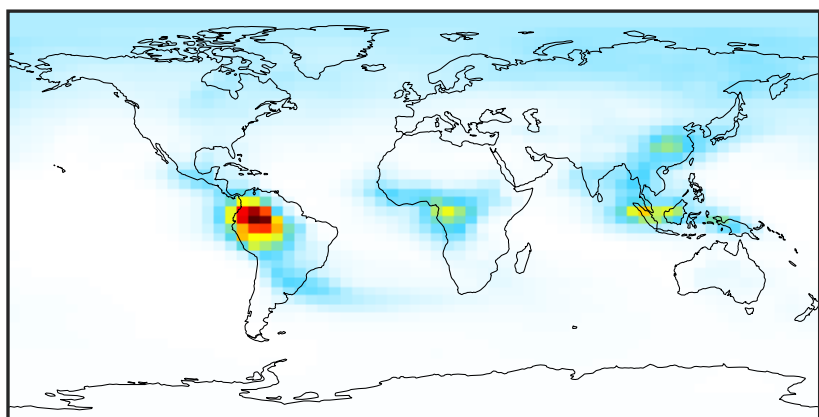
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

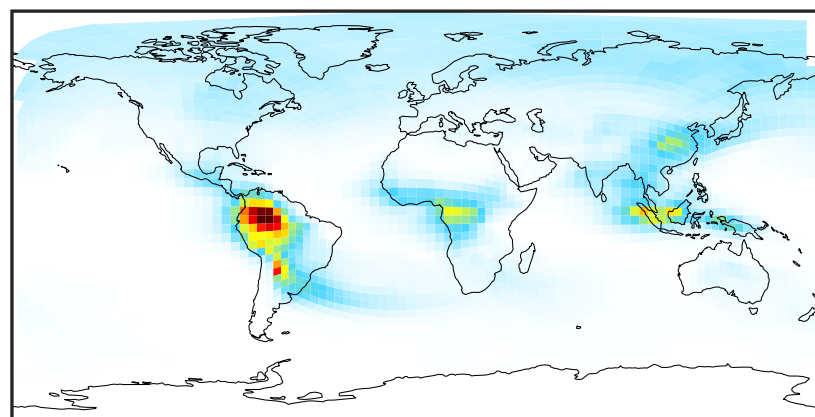
SpeciesConcVV_MEK (Oct2019)

GCC_14.2.0 (Ref)
4.0x5.0



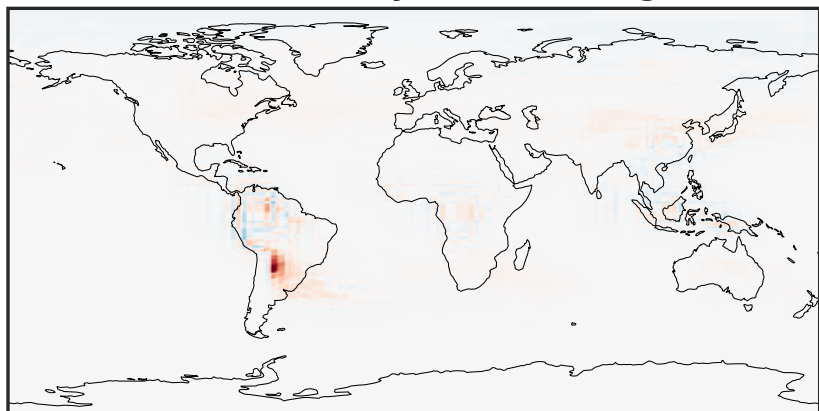
0.0000 0.0703 0.1406 0.2109 0.2813
ppb

GCHP_14.2.0 (Dev)
c24



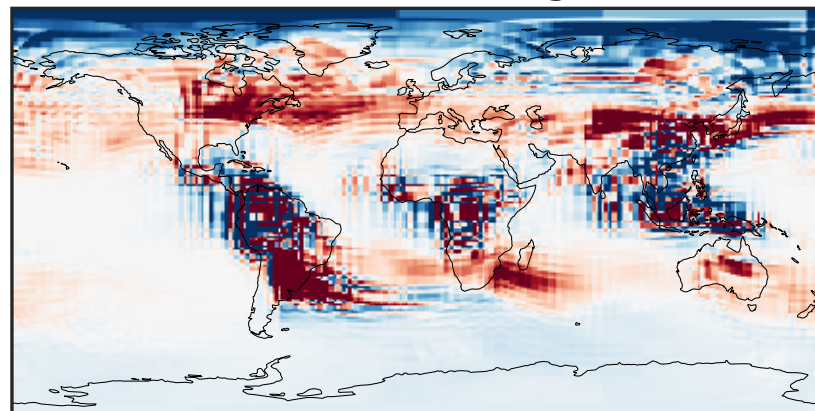
0.0000 0.0703 0.1406 0.2109 0.2813
ppb

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



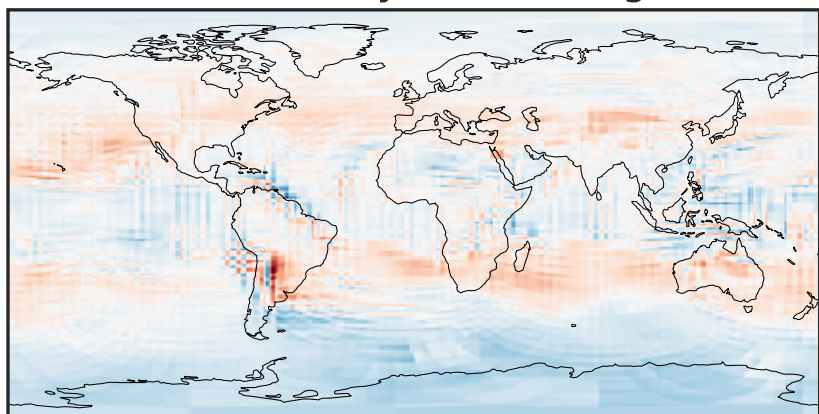
-0.1794 -0.0897 0.0000 0.0897 0.1794
ppb

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



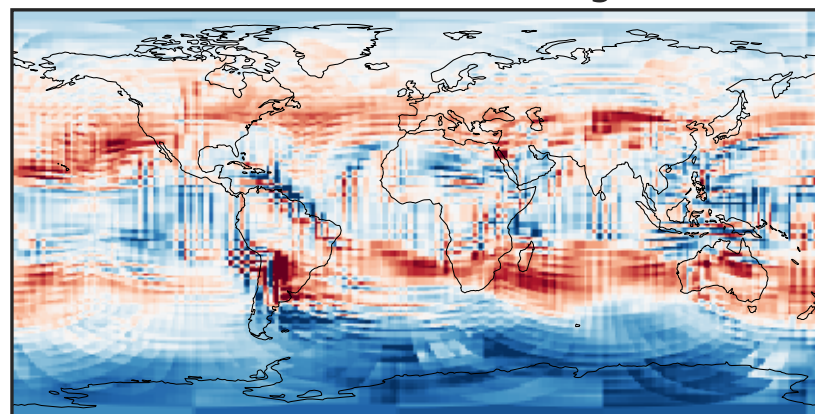
-0.003 0.000 0.003
ppb

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



0.134 0.567 1.000 4.224 7.449
unitless

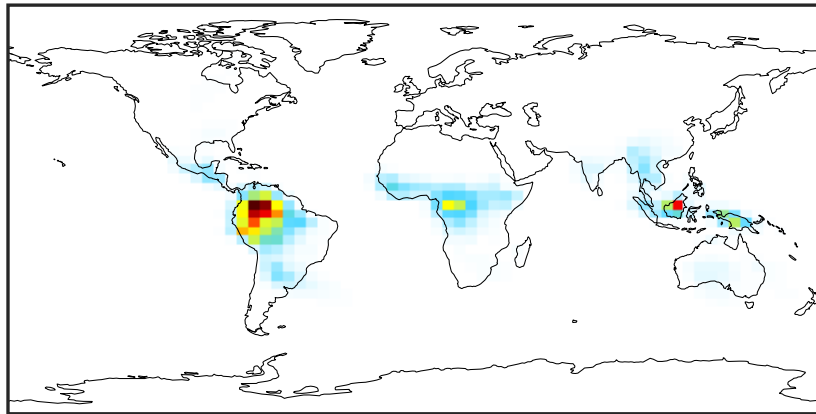
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

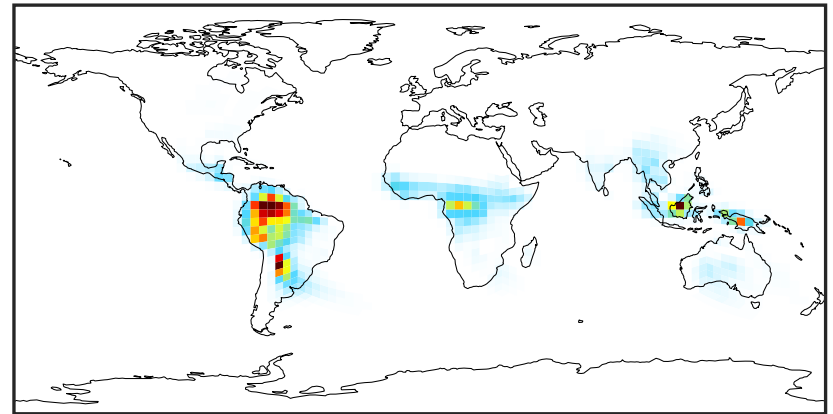
SpeciesConcVW_MVK (Oct2019)

GCC_14.2.0 (Ref)
4.0x5.0



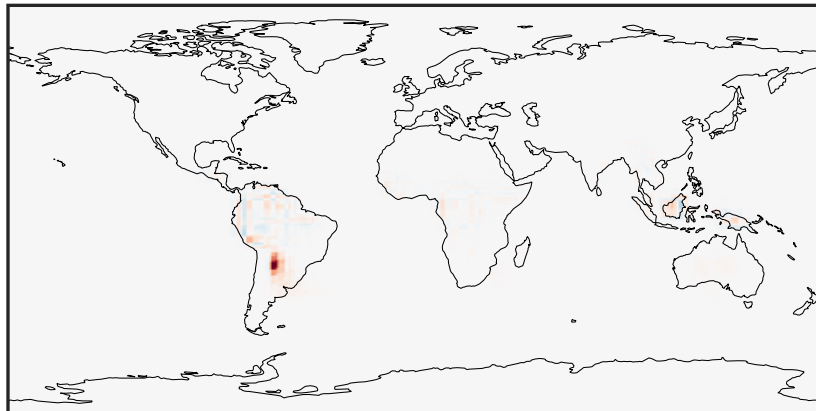
0.025 0.050 0.075
ppb

GCHP_14.2.0 (Dev)
c24



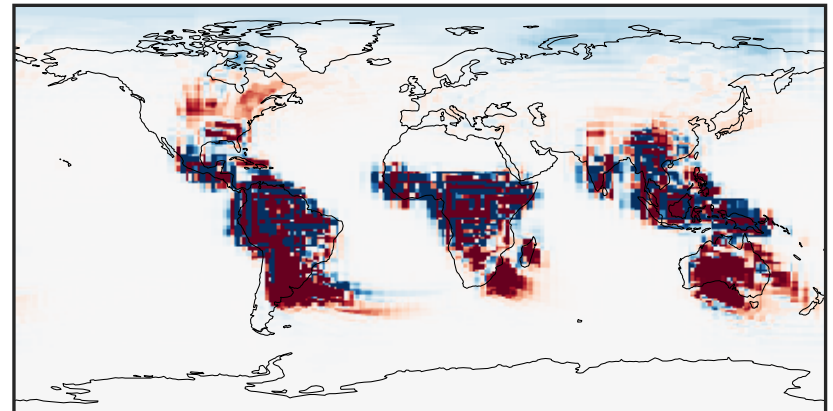
0.025 0.050 0.075
ppb

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



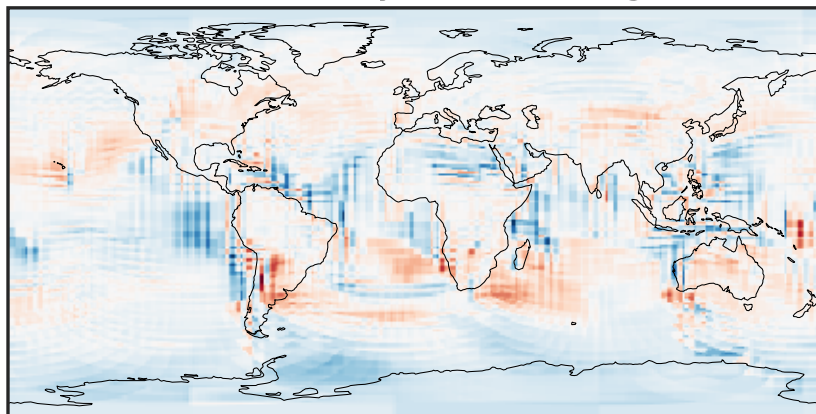
-0.1290 -0.0645 0.0000 0.0645 0.1290
ppb

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



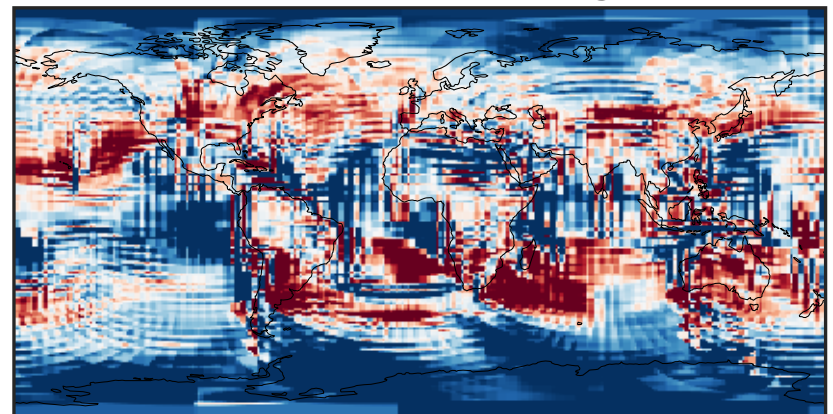
-0.0002 0.0000 0.0002
ppb

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



1e-01 1 10
unitless

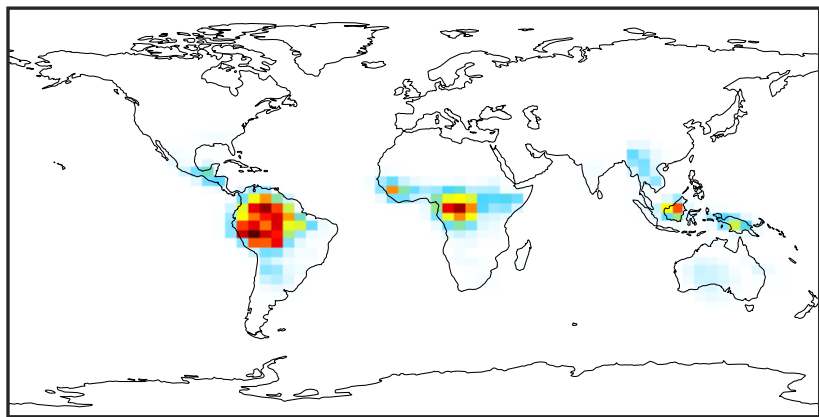
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

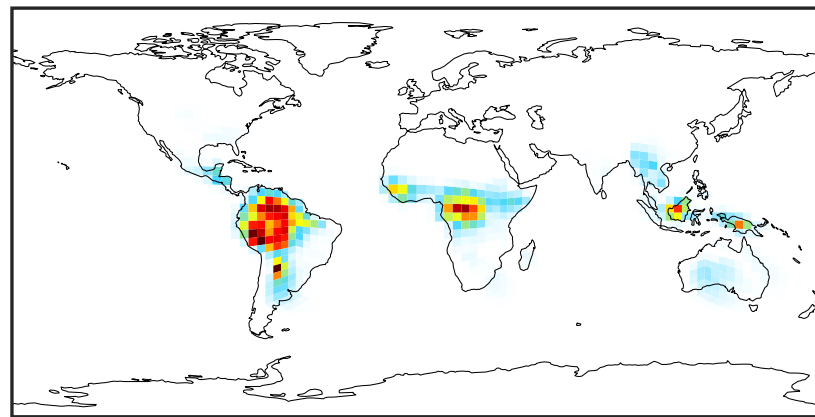
SpeciesConcVV_ISOPN (Oct2019)

GCC_14.2.0 (Ref)
4.0x5.0



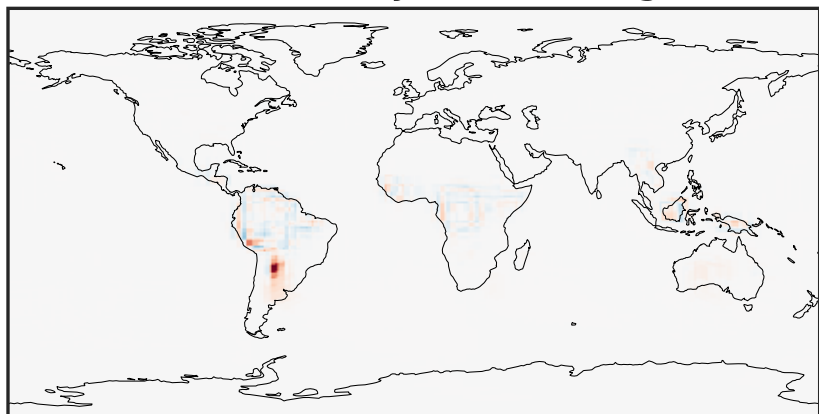
0.0000 0.0004 0.0008 0.0012
ppb

GCHP_14.2.0 (Dev)
c24



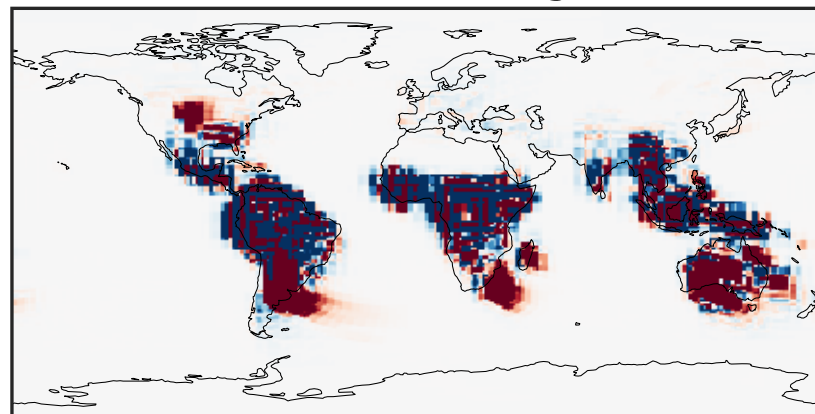
0.0000 0.0004 0.0008 0.0012
ppb

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



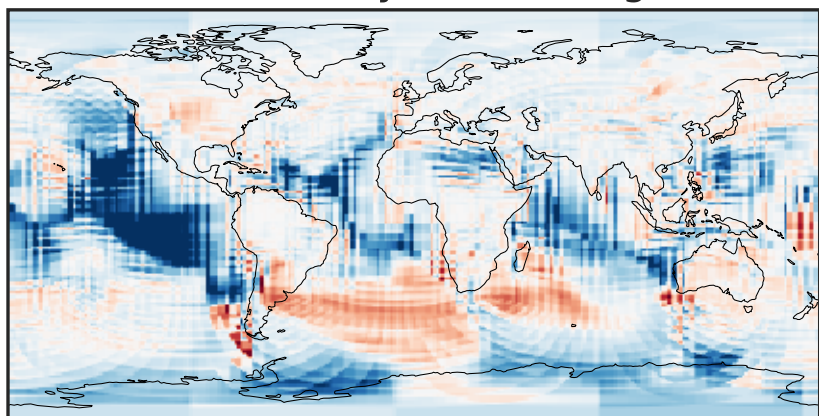
-0.0008 0.0000 0.0008
ppb

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



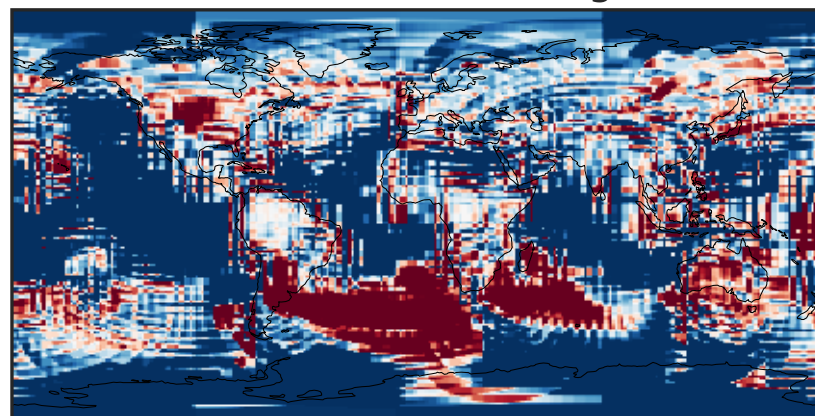
-2 0 2
ppb $1e-6$

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



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

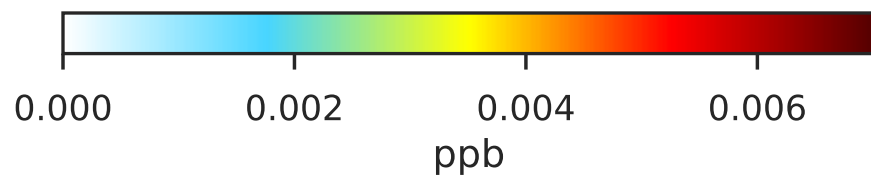
Ratio (1x1.25)
Dev/Ref, Fixed Range



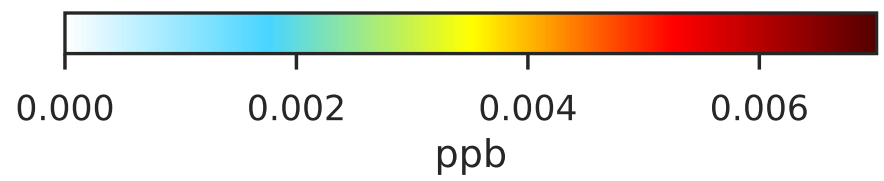
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_FURA (Oct2019)

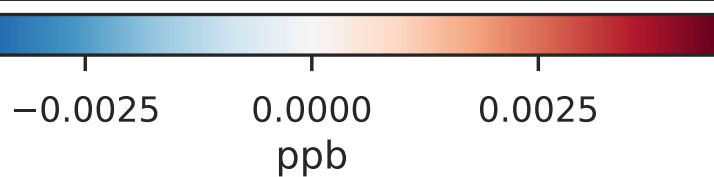
GCC_14.2.0 (Ref)
4.0x5.0



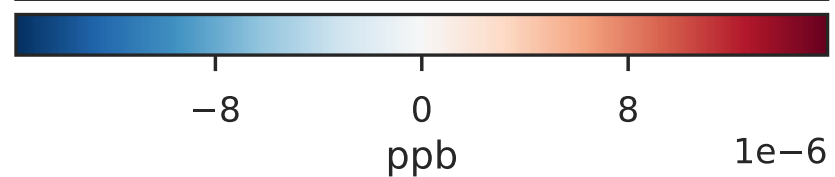
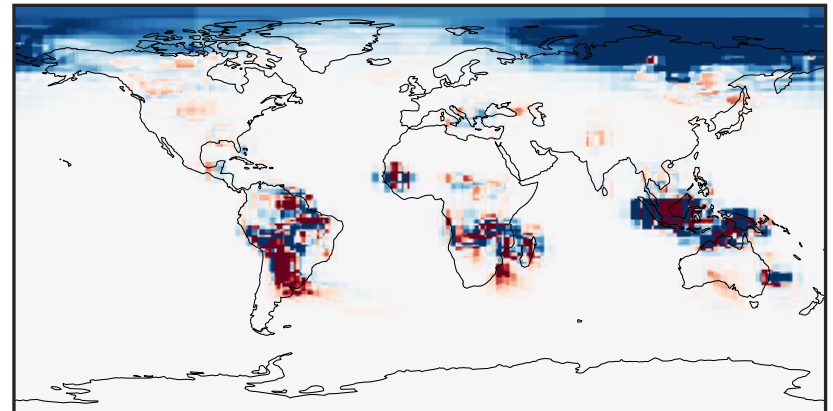
GCHP_14.2.0 (Dev)
c24



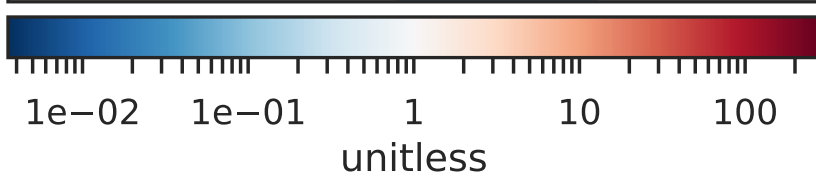
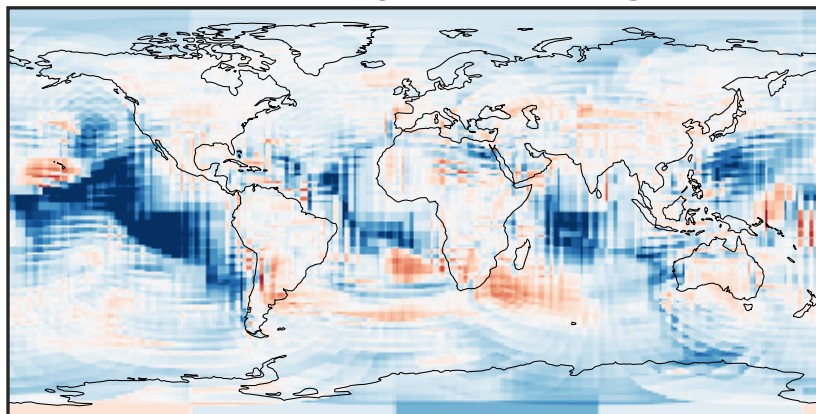
Difference (1x1.25)
Dev - Ref, Dynamic Range



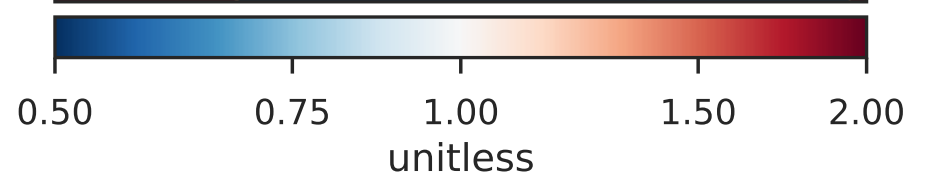
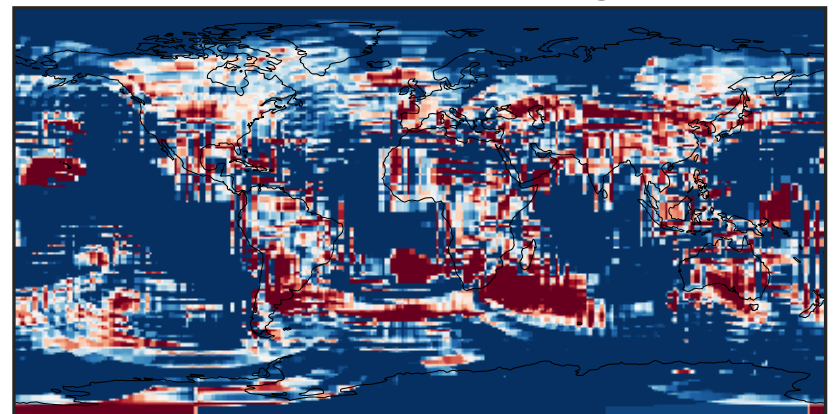
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

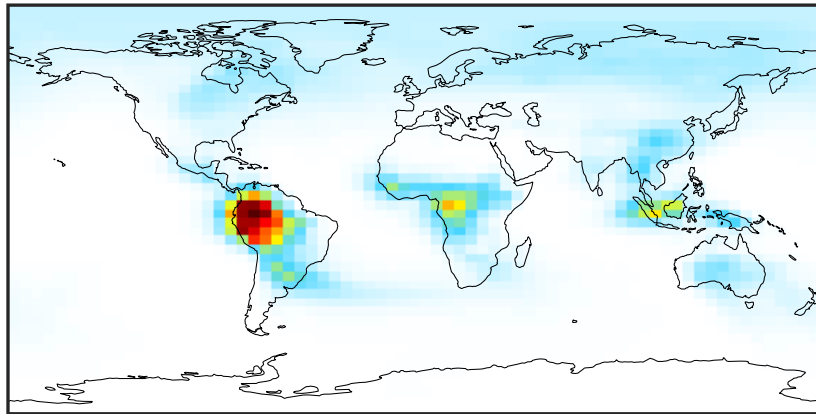


Ratio (1x1.25)
Dev/Ref, Fixed Range



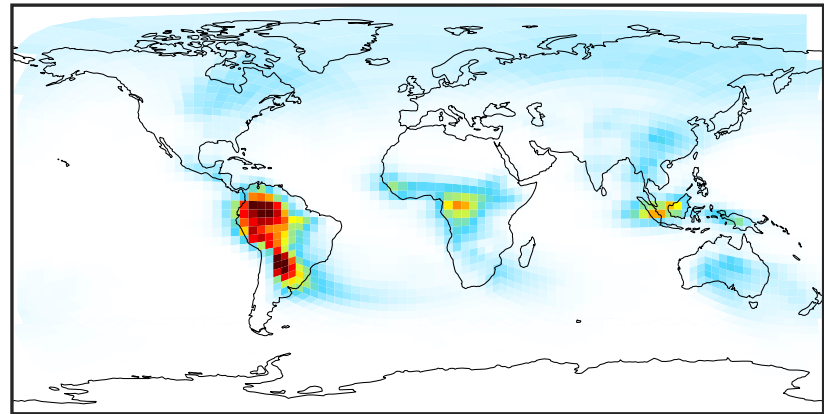
SpeciesConcVV_GLYC (Oct2019)

GCC_14.2.0 (Ref)
4.0x5.0



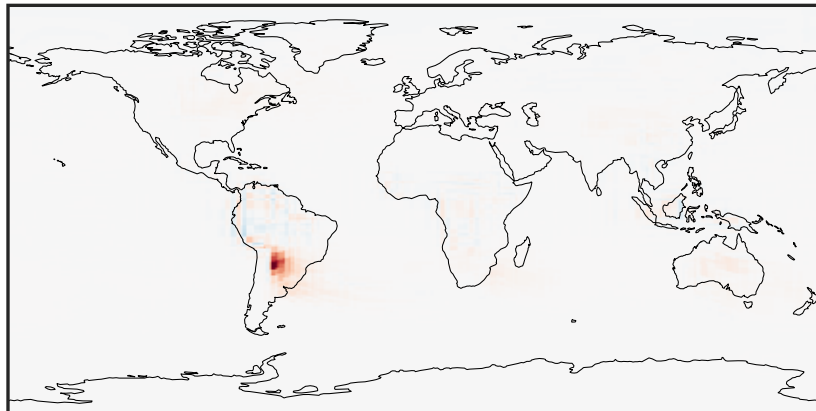
0.025 0.050 0.075
ppb

GCHP_14.2.0 (Dev)
c24



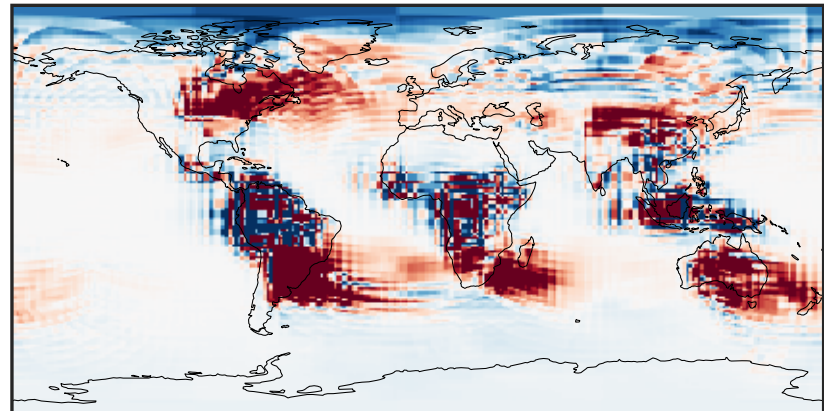
0.025 0.050 0.075
ppb

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



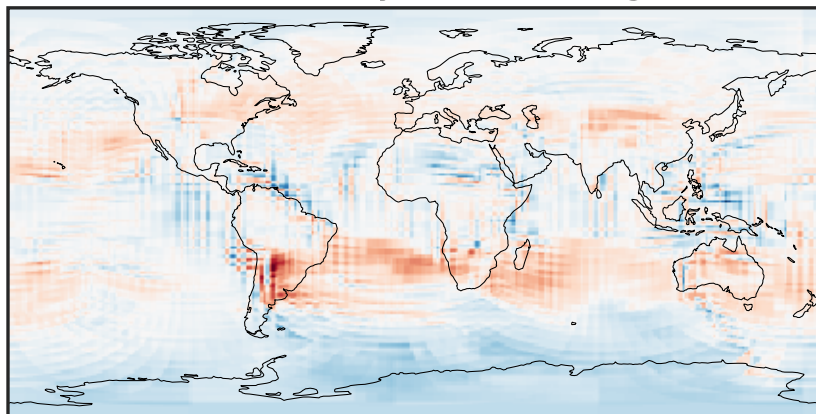
-0.1424 -0.0712 0.0000 0.0712 0.1424
ppb

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



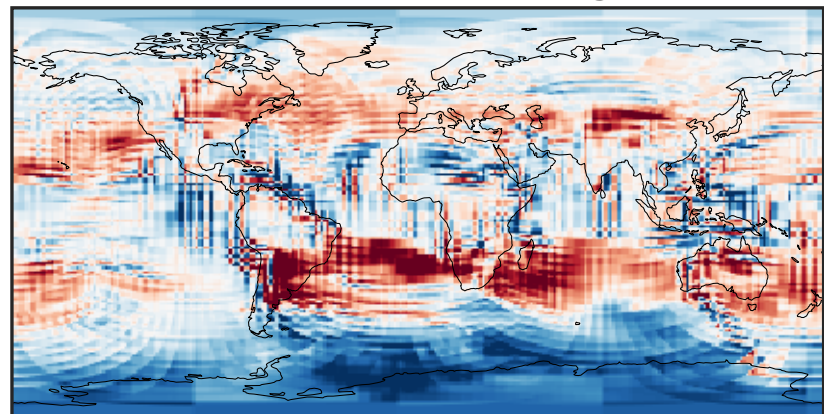
-0.0015 0.0000 0.0015
ppb

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



0.114 0.557 1.000 4.894 8.787
unitless

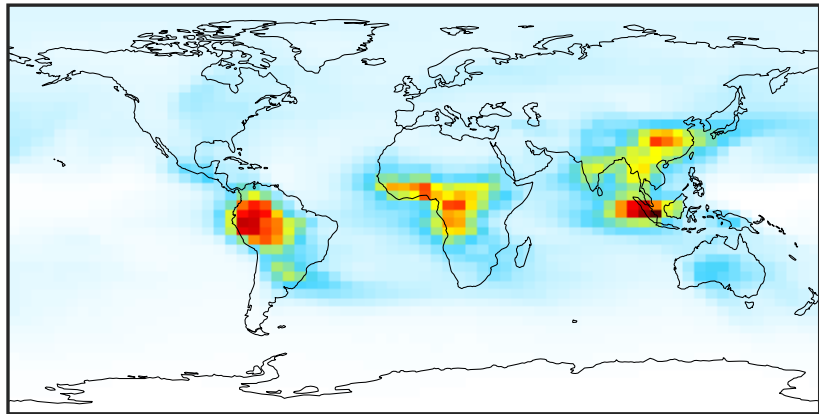
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

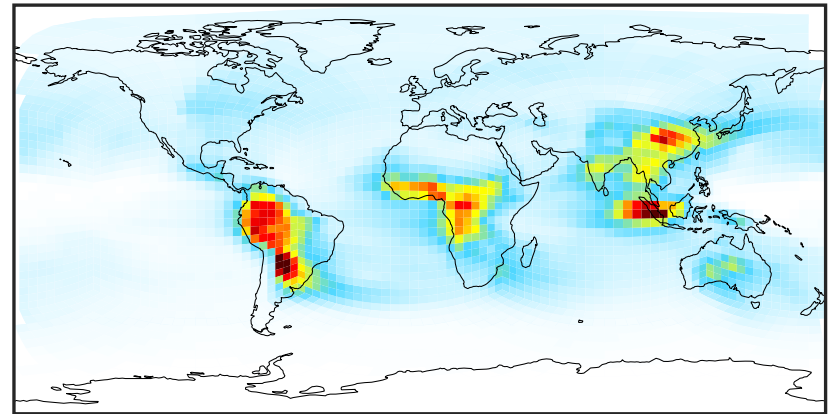
SpeciesConcVV_GLYX (Oct2019)

GCC_14.2.0 (Ref)
4.0x5.0



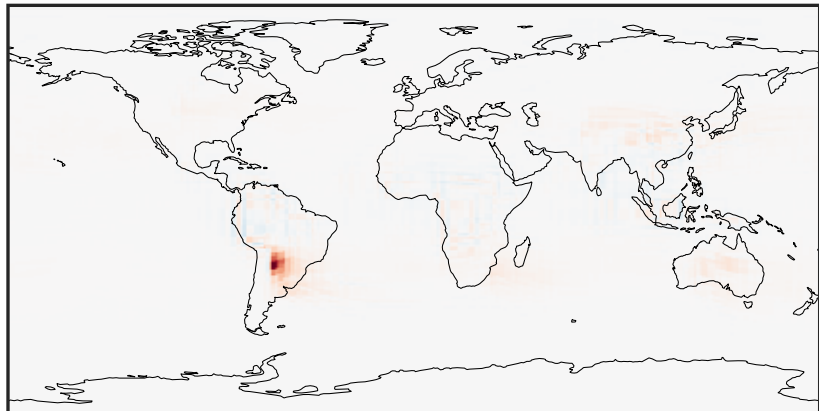
0.0008 0.0016 0.0024 0.0032
ppb

GCHP_14.2.0 (Dev)
c24



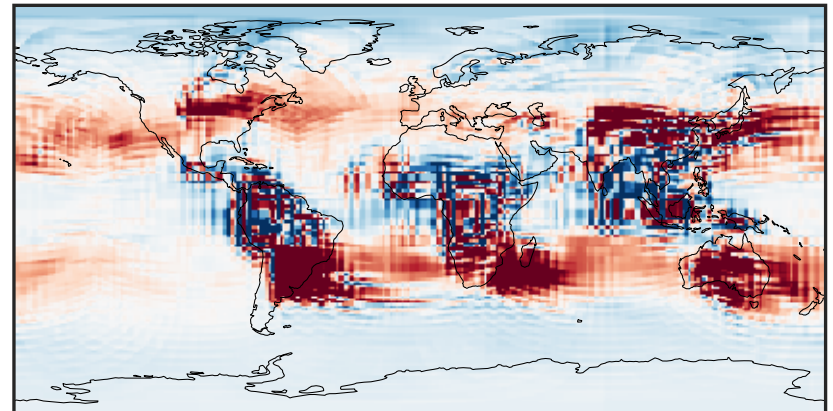
0.0008 0.0016 0.0024 0.0032
ppb

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



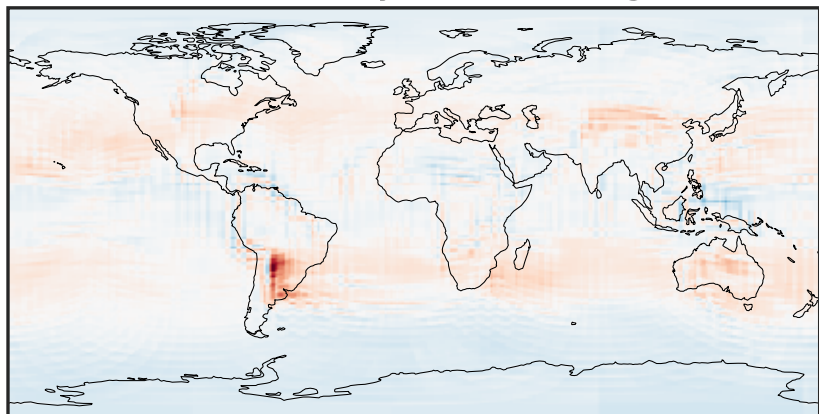
-0.0025 0.0000 0.0025
ppb

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



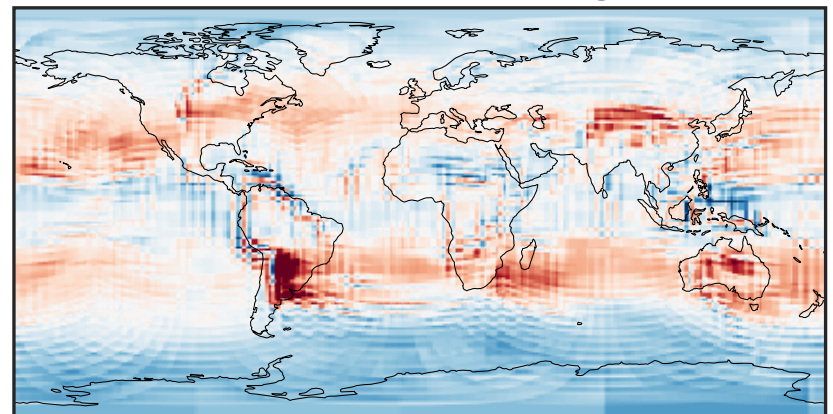
-6 0 6
ppb $1e-5$

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



0.121 0.560 1.000 4.642 8.284
unitless

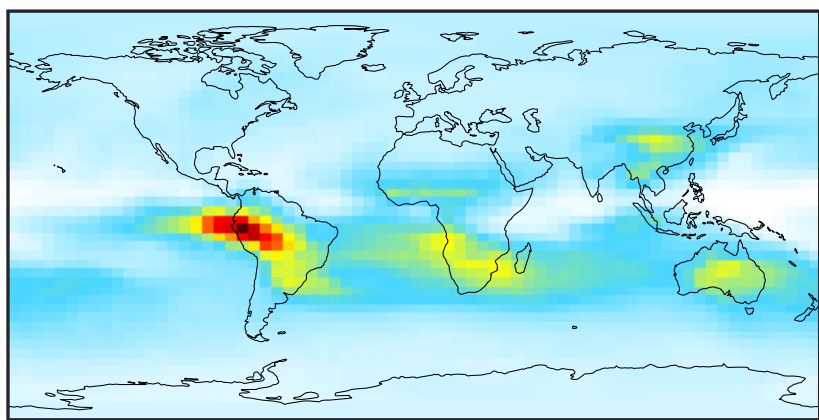
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

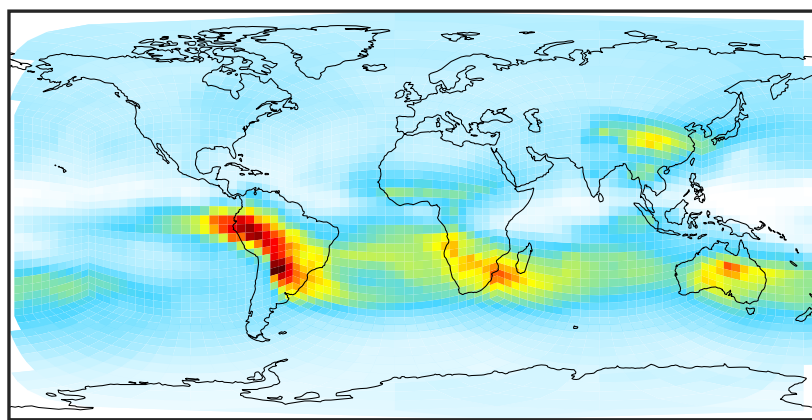
SpeciesConcVV_HCOOH (Oct2019)

GCC_14.2.0 (Ref)
4.0x5.0



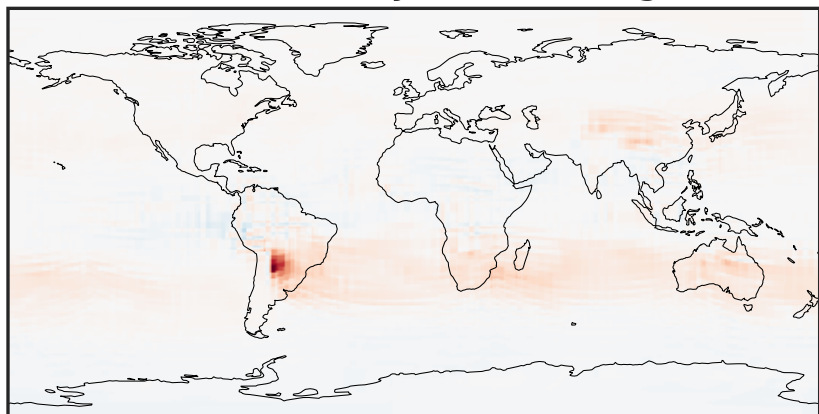
0.0020 0.0908 0.1816 0.2724 0.3652
ppb

GCHP_14.2.0 (Dev)
c24



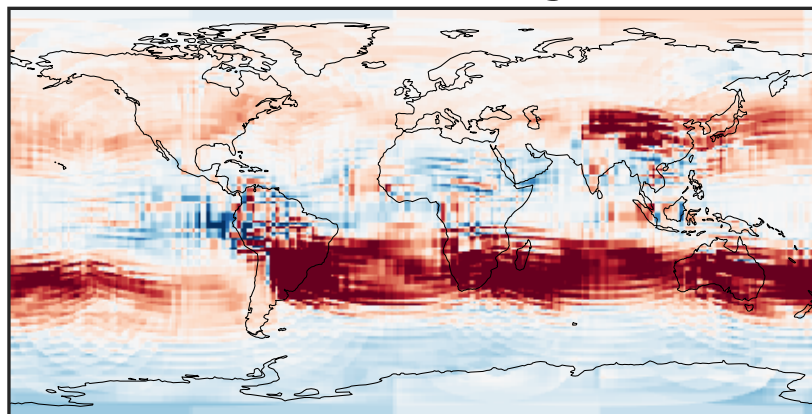
0.0020 0.0908 0.1816 0.2724 0.3652
ppb

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



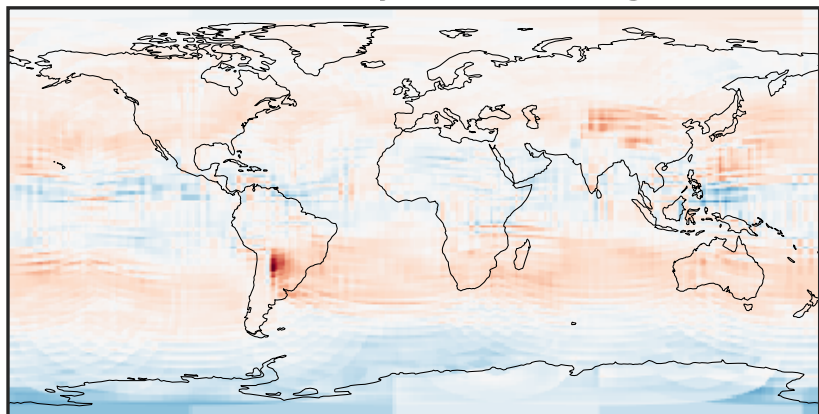
-0.2805 -0.1403 0.0000 0.1403 0.2805
ppb

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



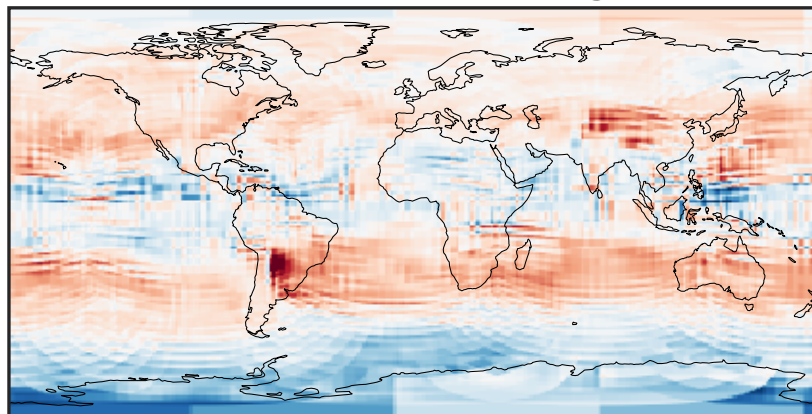
-0.015 0.000 0.015
ppb

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



0.269 0.634 1.000 2.360 3.720
unitless

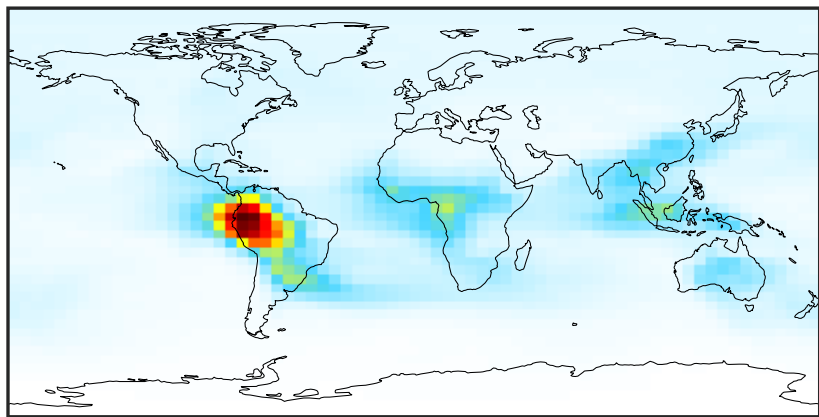
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

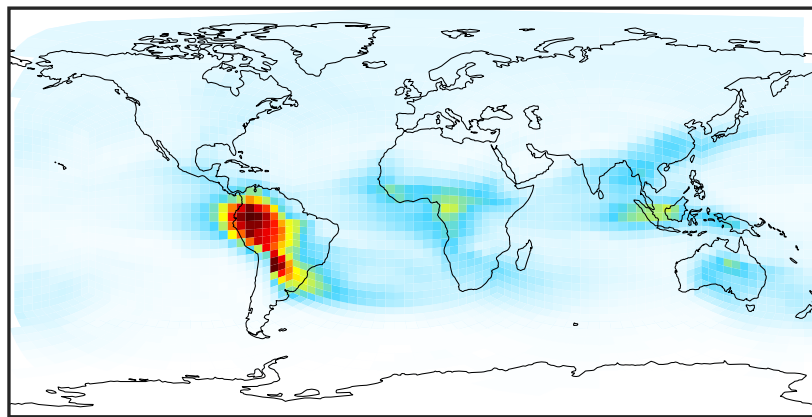
SpeciesConcVV_MAP (Oct2019)

GCC_14.2.0 (Ref)
4.0x5.0



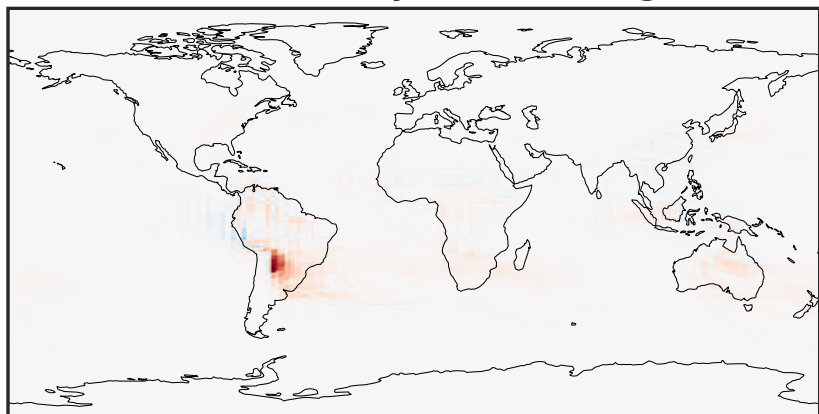
0.0042 0.0946 0.1892 0.2838 0.3826
ppb

GCHP_14.2.0 (Dev)
c24



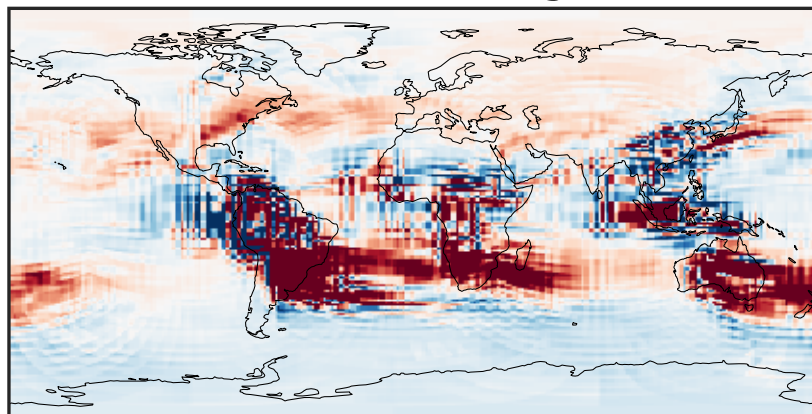
0.0042 0.0946 0.1892 0.2838 0.3826
ppb

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



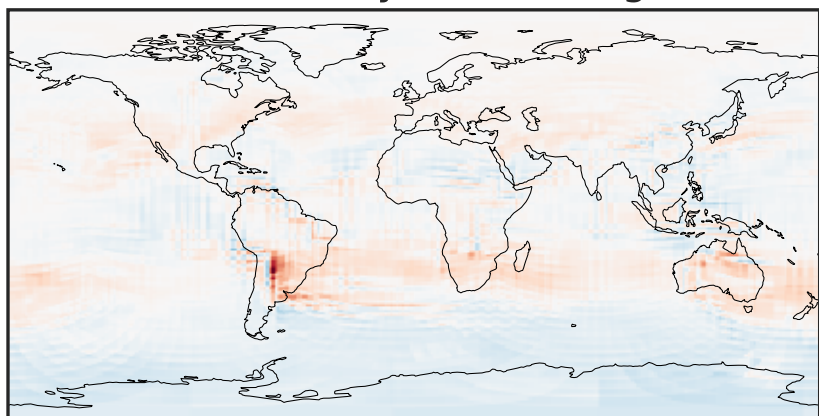
-0.3158 -0.1579 0.0000 0.1579 0.3158
ppb

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



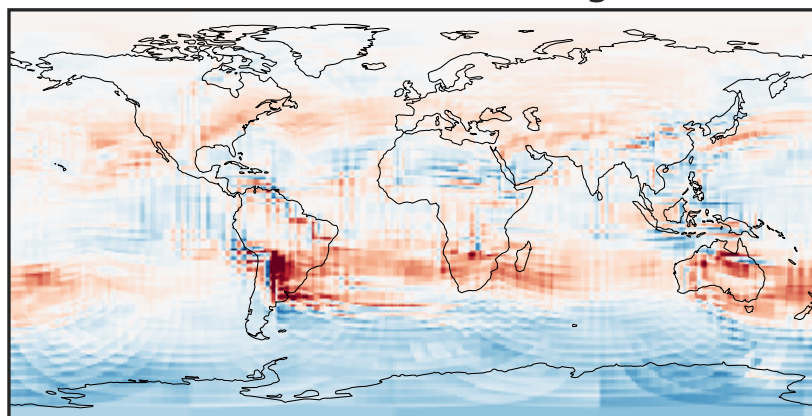
-0.005 0.000 0.005
ppb

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



0.162 0.581 1.000 3.585 6.171
unitless

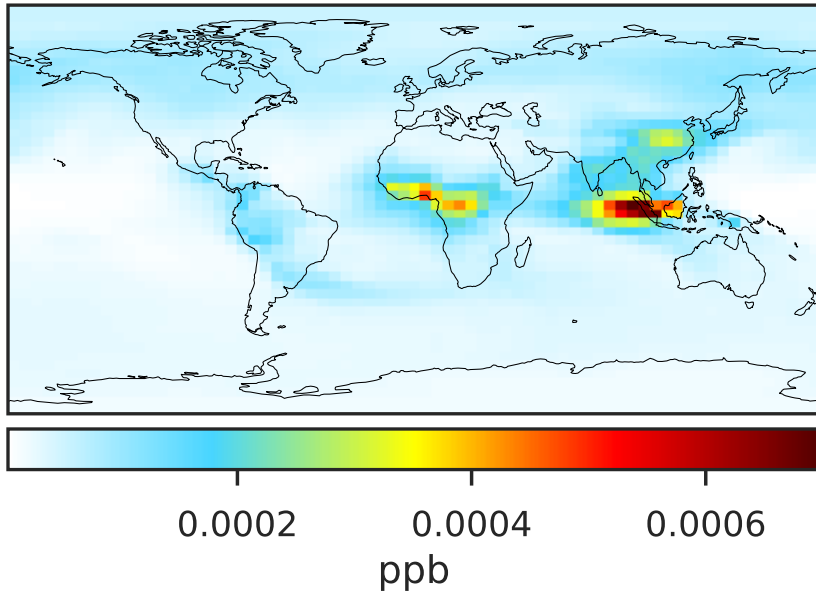
Ratio (1x1.25)
Dev/Ref, Fixed Range



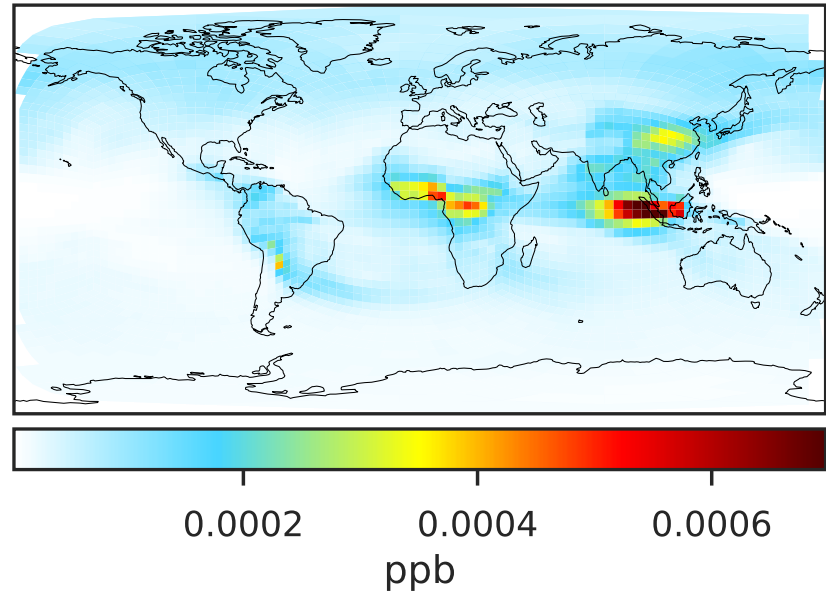
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_PHEN (Oct2019)

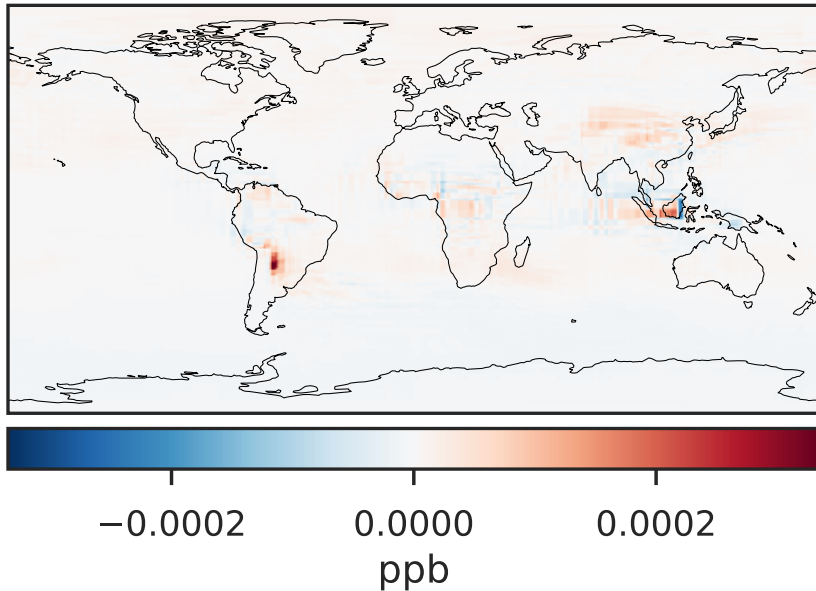
GCC_14.2.0 (Ref)
4.0x5.0



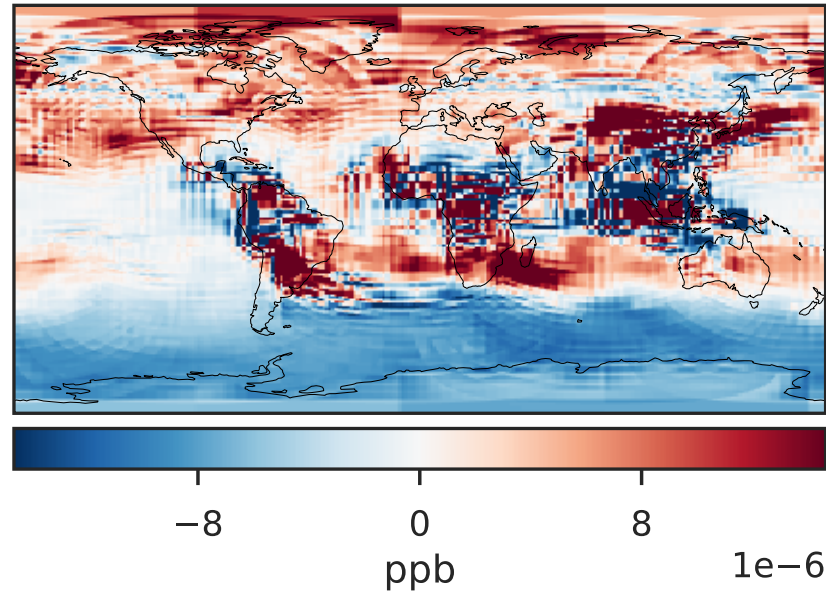
GCHP_14.2.0 (Dev)
c24



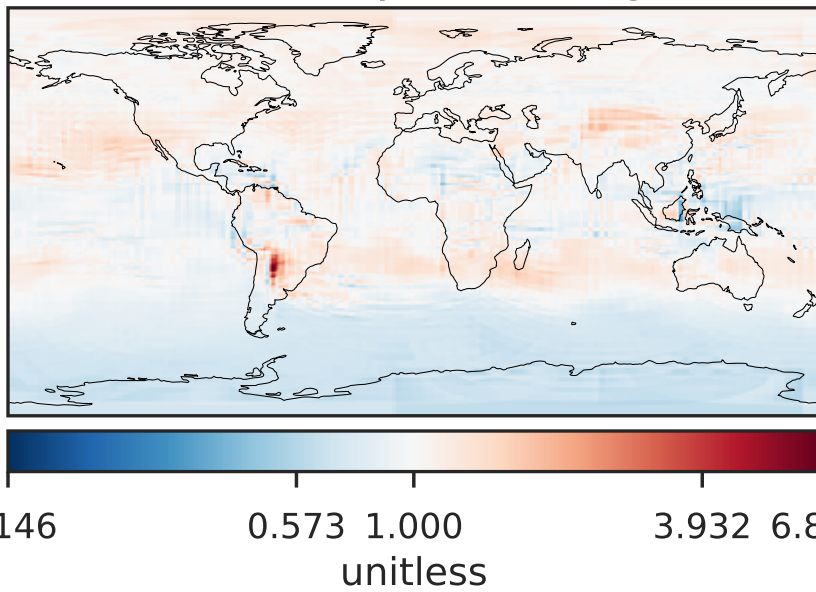
Difference (1x1.25)
Dev - Ref, Dynamic Range



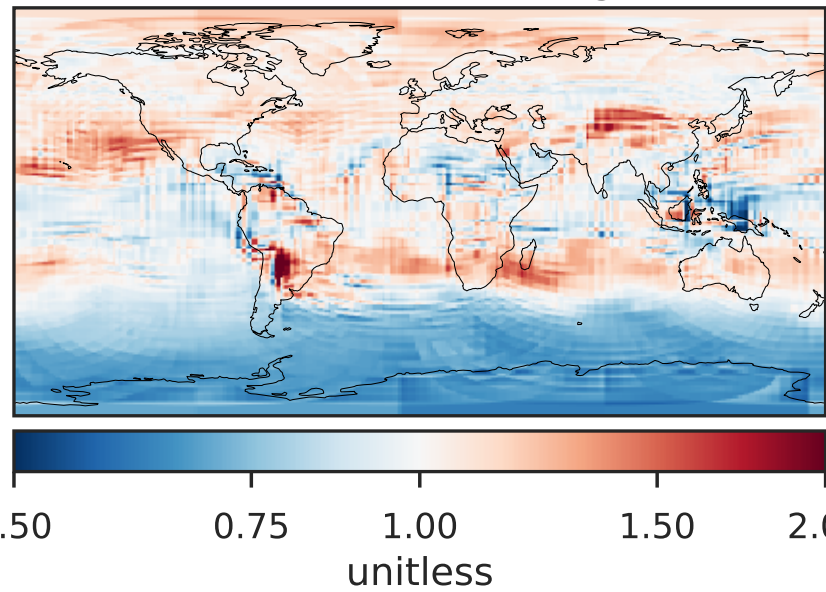
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

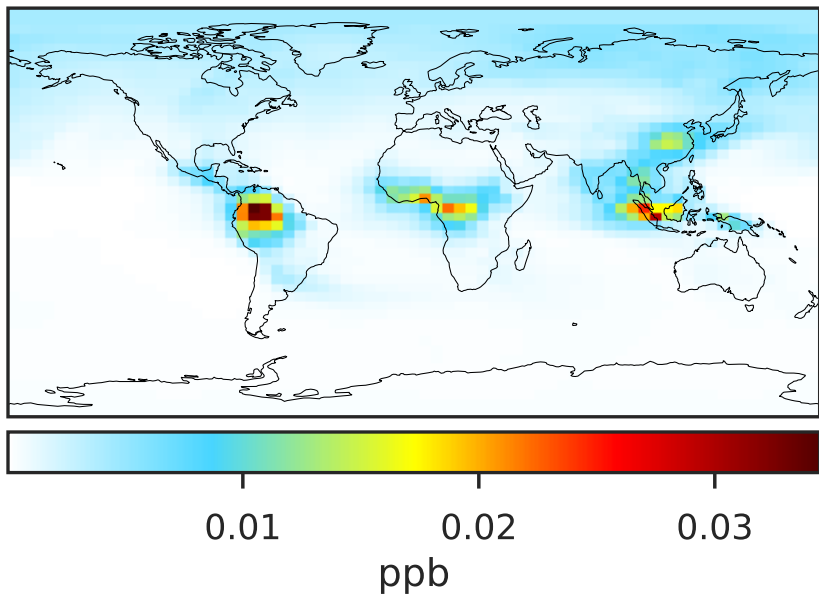


Ratio (1x1.25)
Dev/Ref, Fixed Range

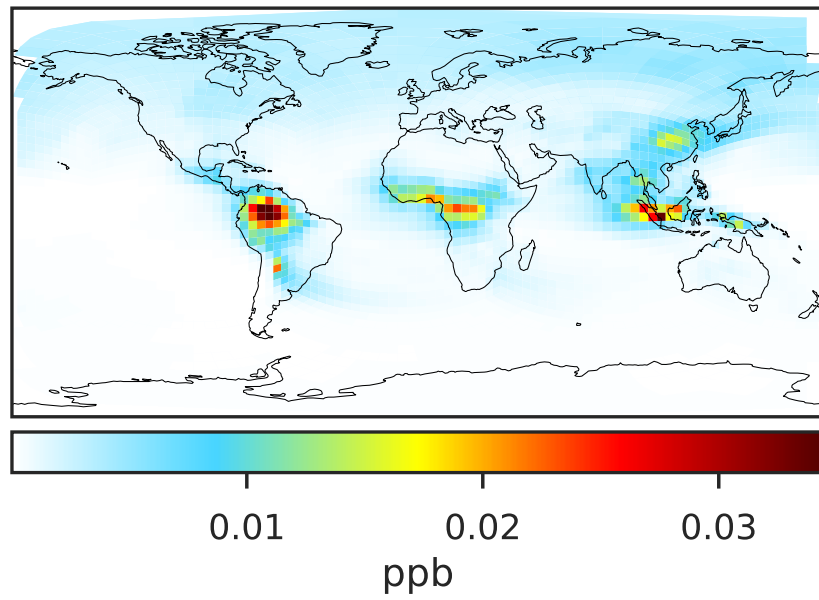


SpeciesConcVV_RCHO (Oct2019)

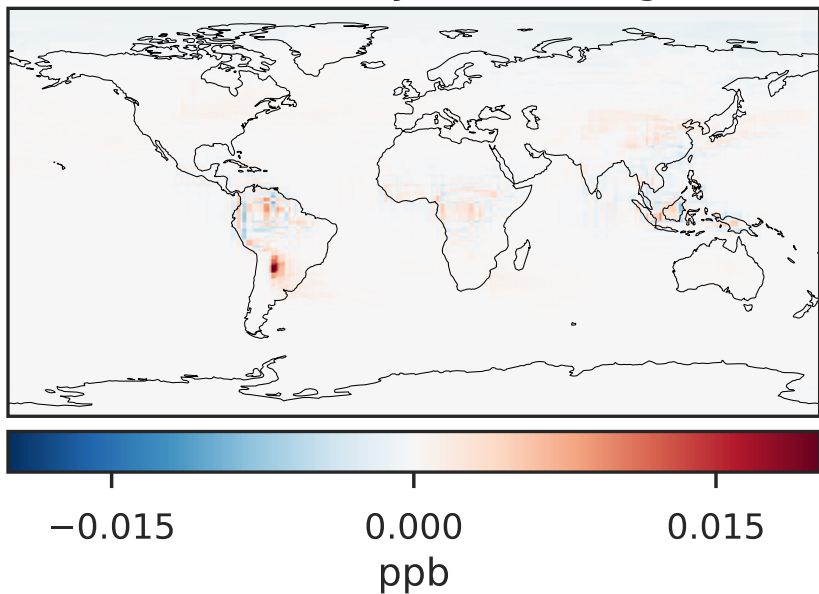
GCC_14.2.0 (Ref)
4.0x5.0



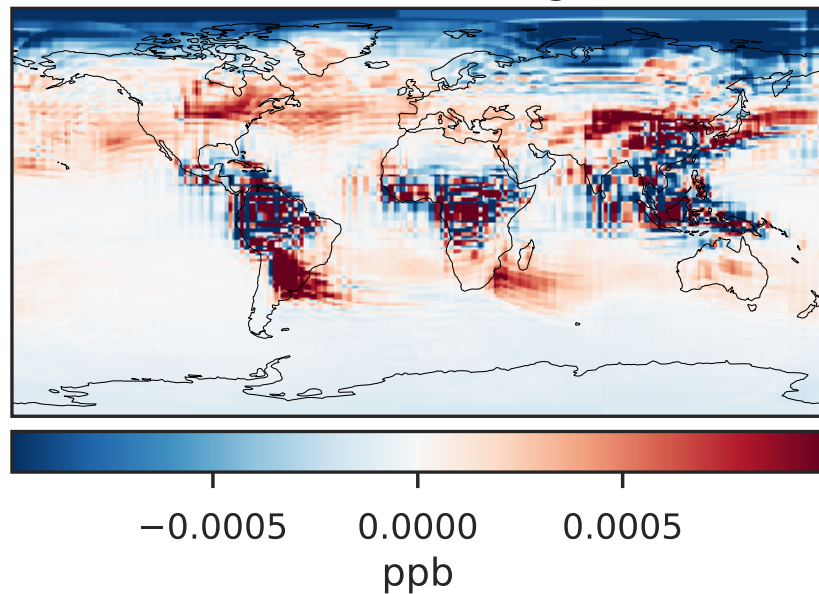
GCHP_14.2.0 (Dev)
c24



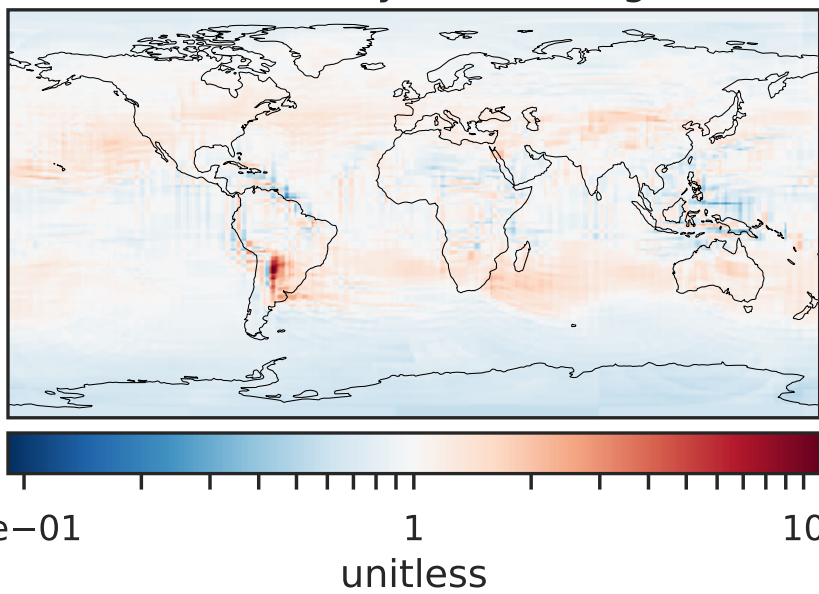
Difference (1x1.25)
Dev - Ref, Dynamic Range



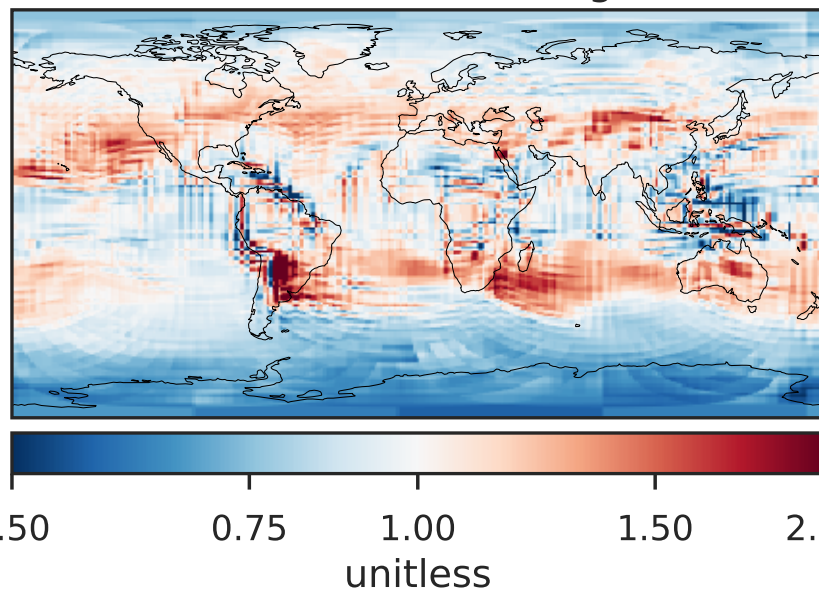
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

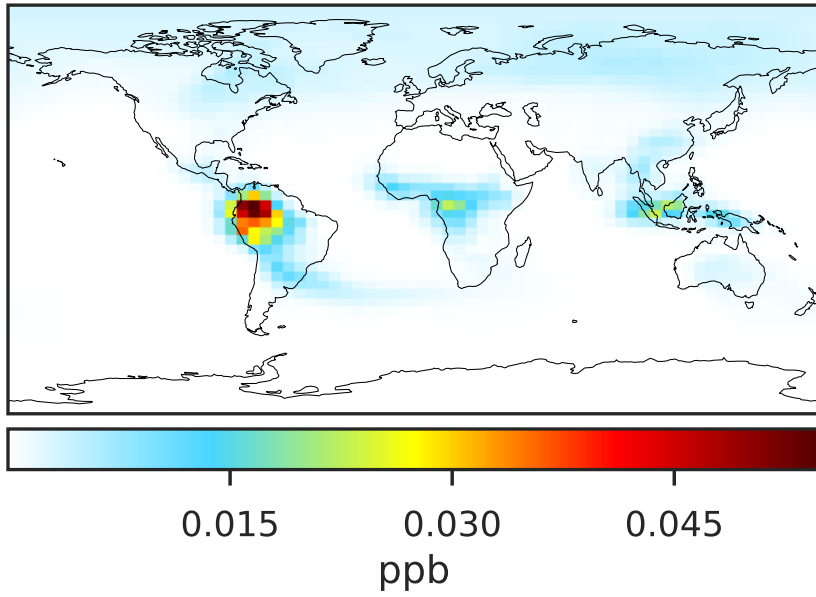


Ratio (1x1.25)
Dev/Ref, Fixed Range

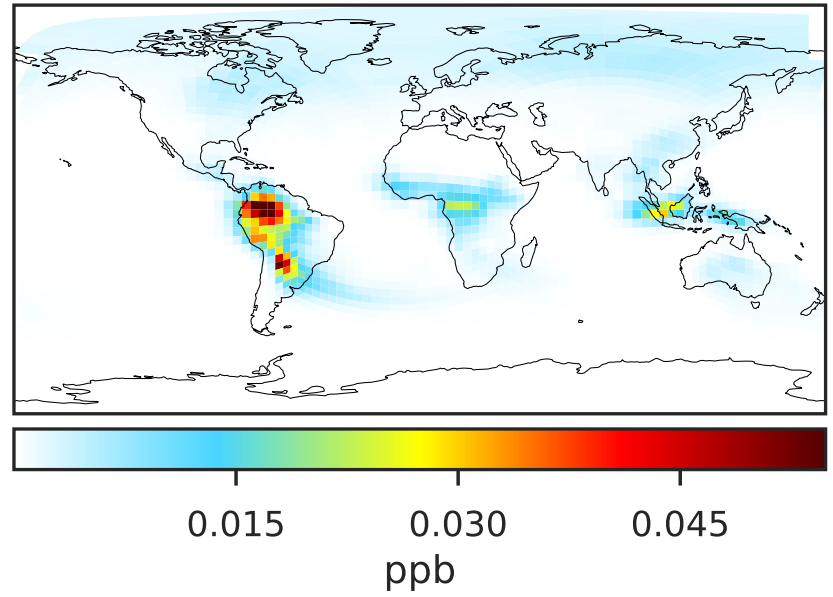


SpeciesConcVV_ETHP (Oct2019)

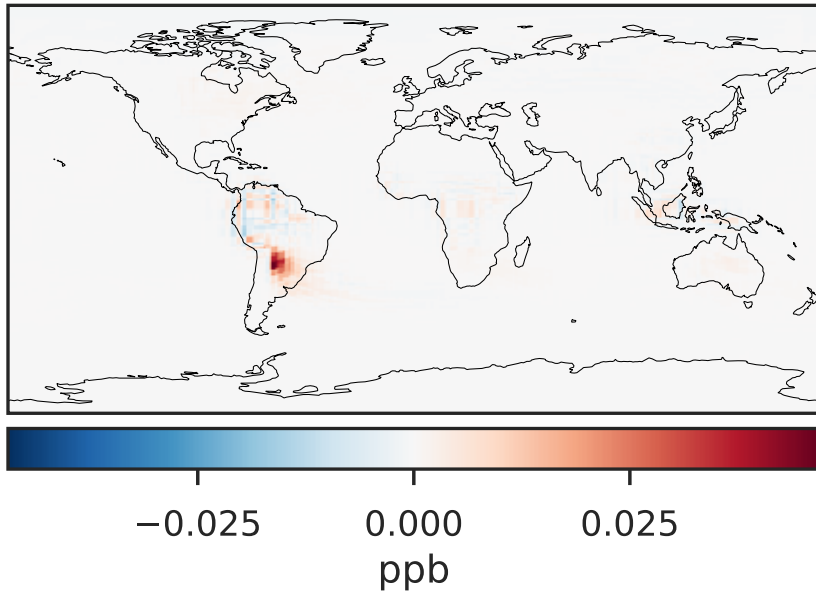
GCC_14.2.0 (Ref)
4.0x5.0



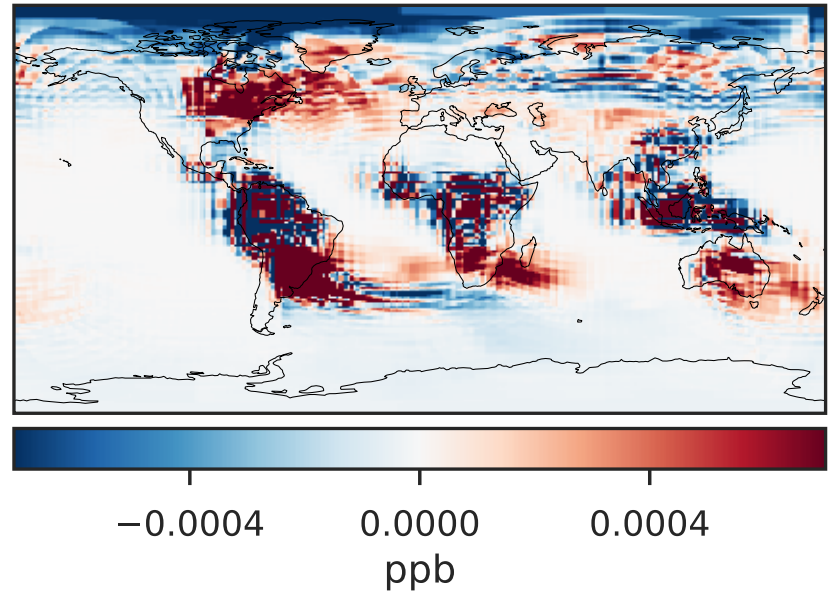
GCHP_14.2.0 (Dev)
c24



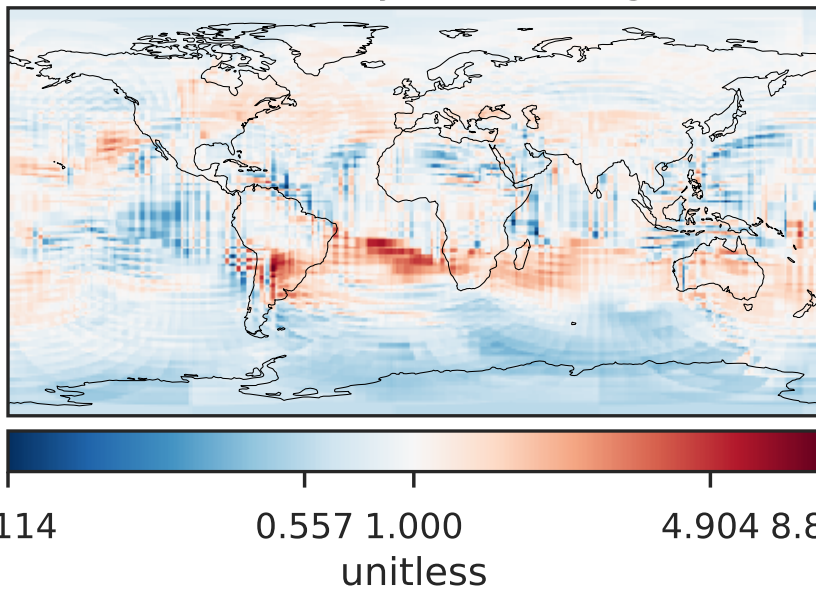
Difference (1x1.25)
Dev - Ref, Dynamic Range



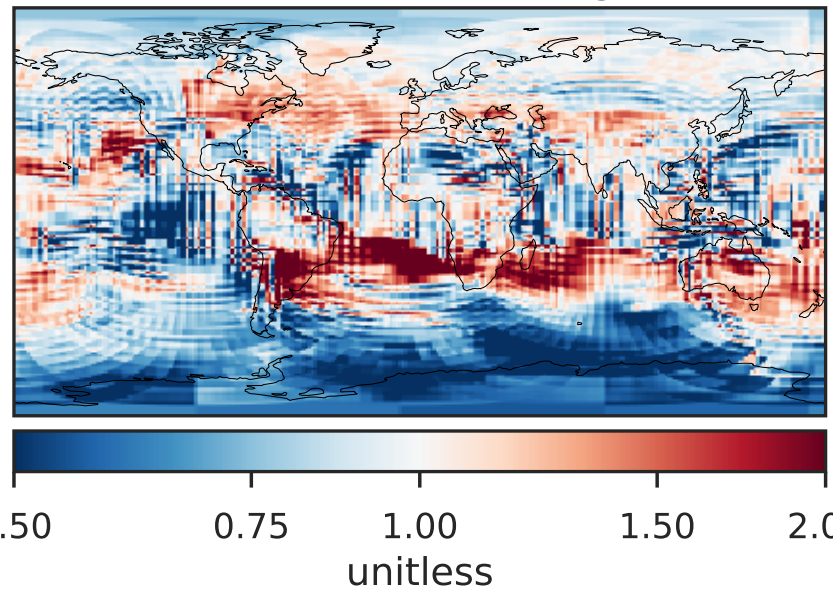
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

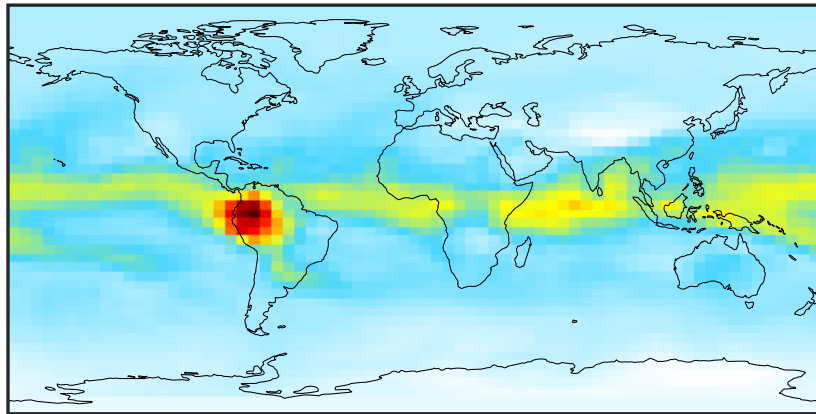


Ratio (1x1.25)
Dev/Ref, Fixed Range



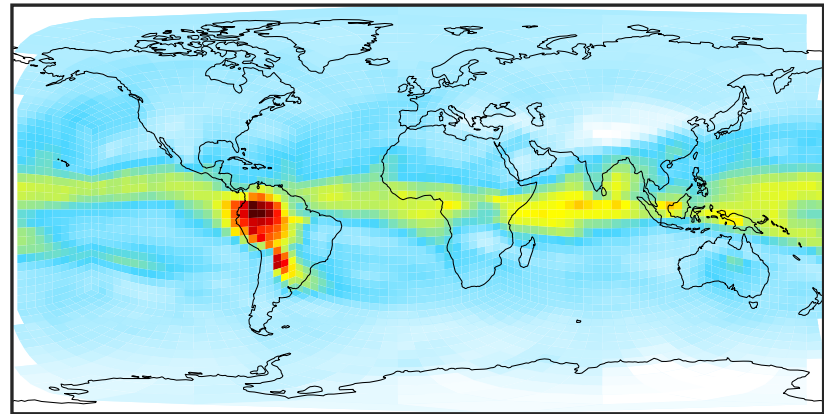
SpeciesConcVV_MP (Oct2019)

GCC_14.2.0 (Ref)
4.0x5.0



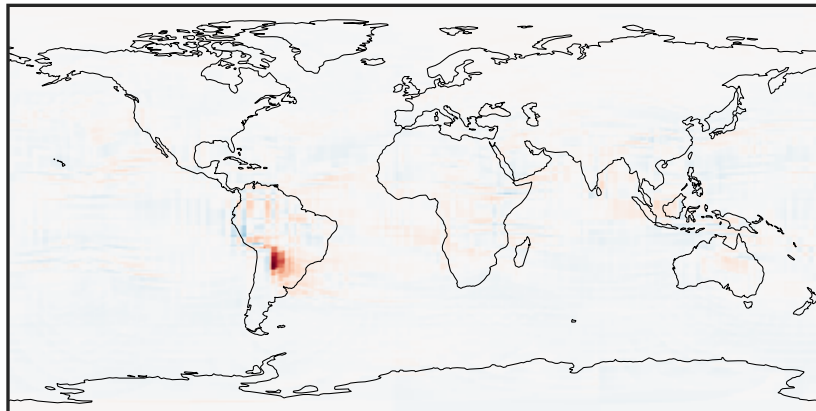
0.0641 0.2480 0.4961 0.7441 1.0563
ppb

GCHP_14.2.0 (Dev)
c24



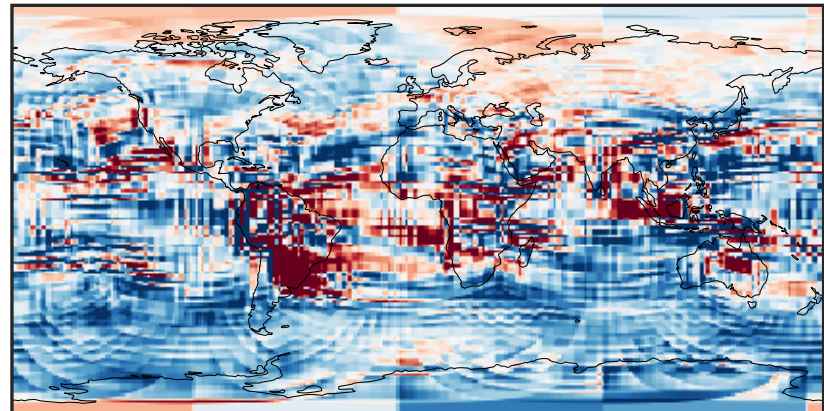
0.0641 0.2480 0.4961 0.7441 1.0563
ppb

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



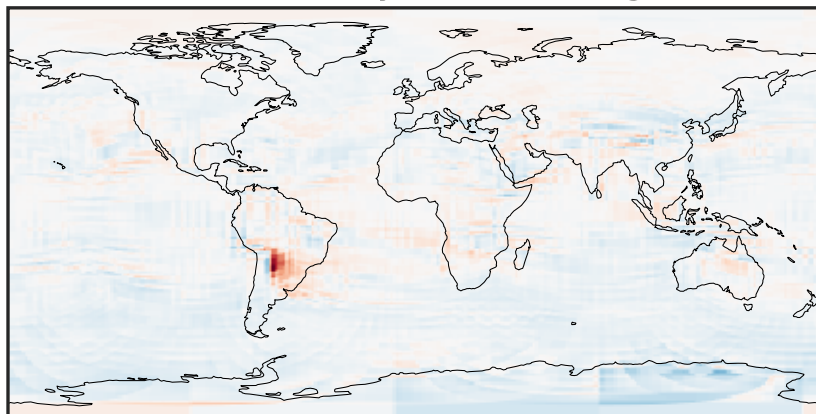
-0.610 -0.305 0.000 0.305 0.610
ppb

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



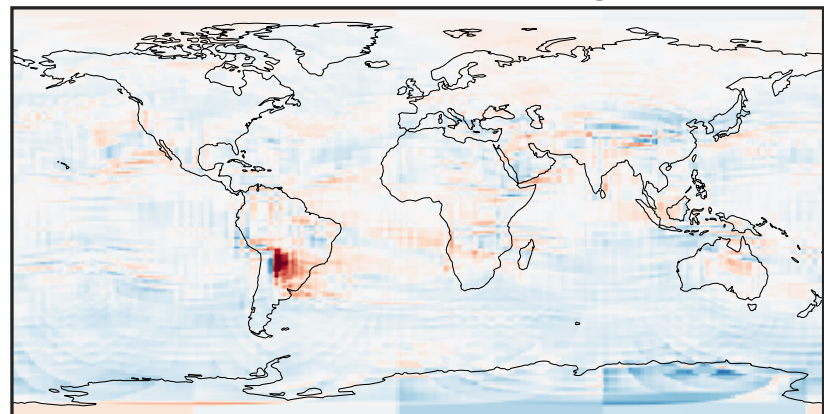
-0.015 0.000 0.015
ppb

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