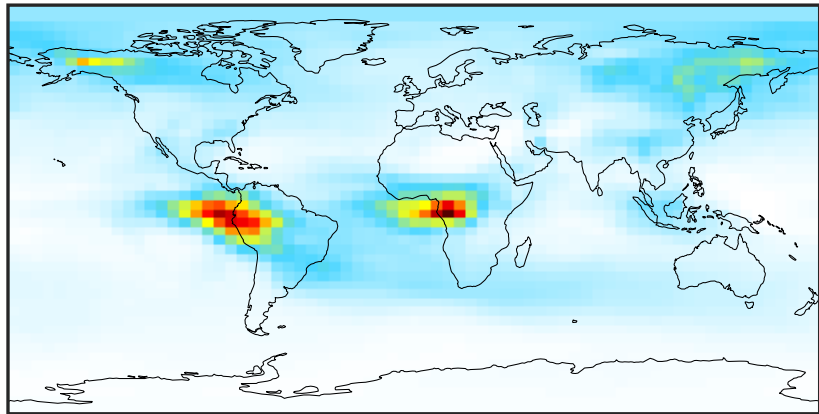


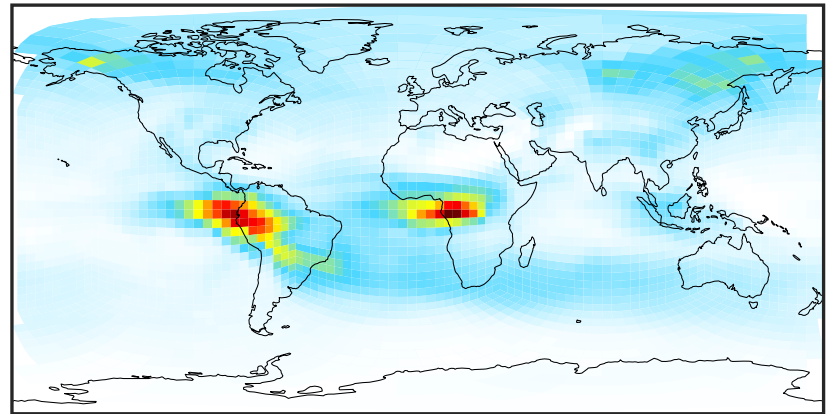
SpeciesConcVV_ACTA (Jul2019)

GCC_14.2.0 (Ref)
4.0x5.0



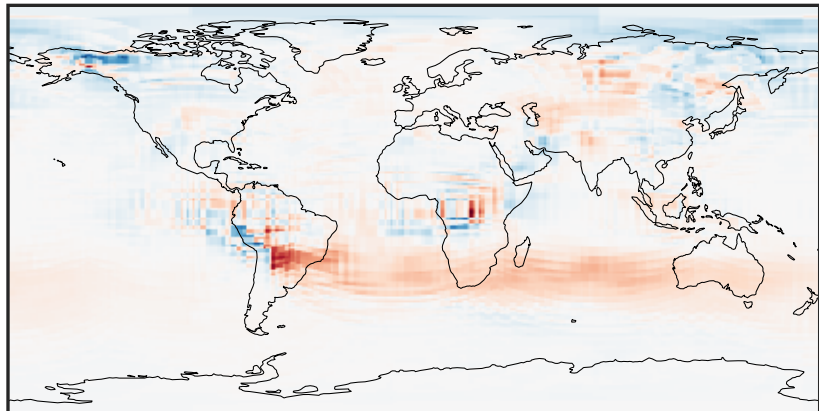
0.0066 0.0795 0.1589 0.2384 0.3244
ppb

GCHP_14.2.0 (Dev)
c24



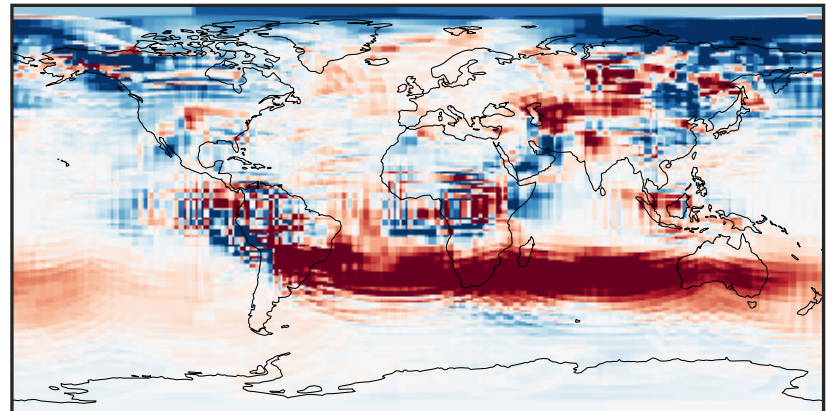
0.0066 0.0795 0.1589 0.2384 0.3244
ppb

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



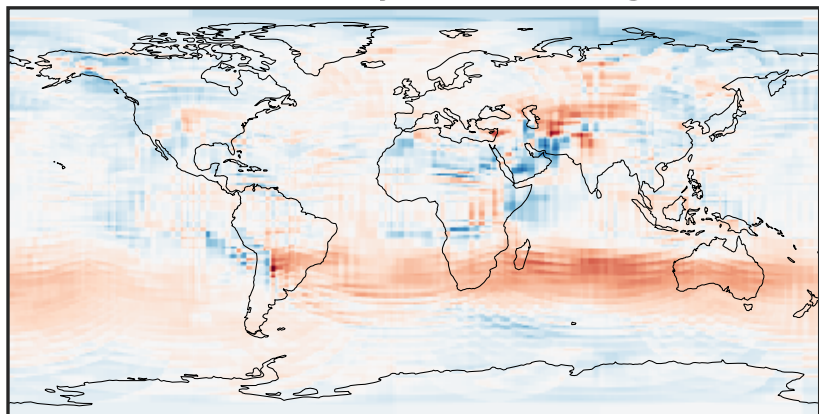
-0.076 -0.038 0.000 0.038 0.076
ppb

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



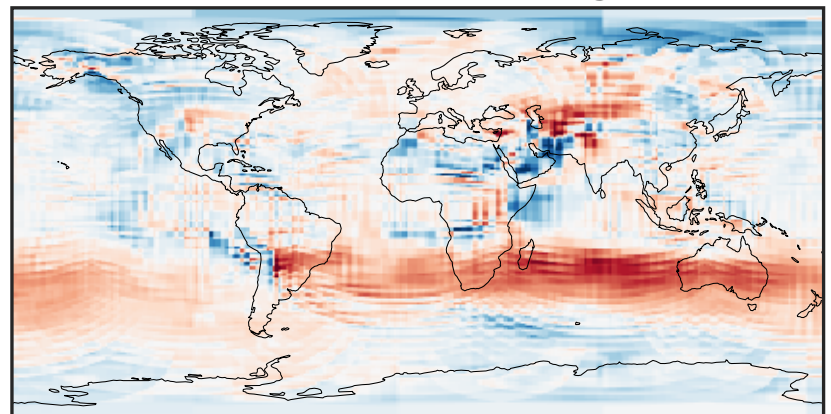
-0.008 0.000 0.008
ppb

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



0.344 0.672 1.000 1.954 2.909
unitless

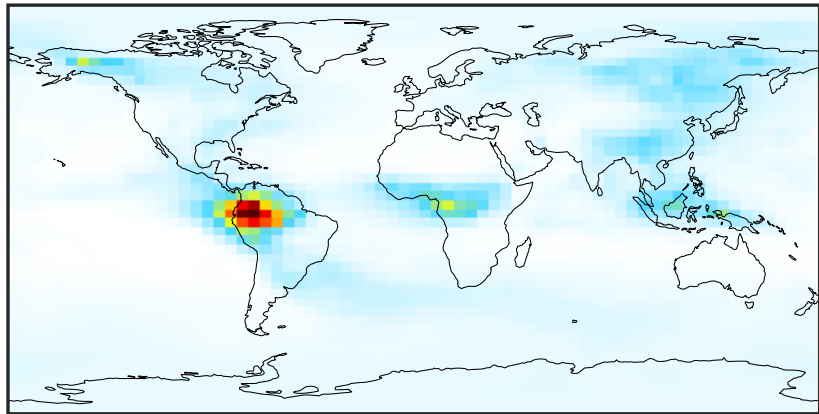
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

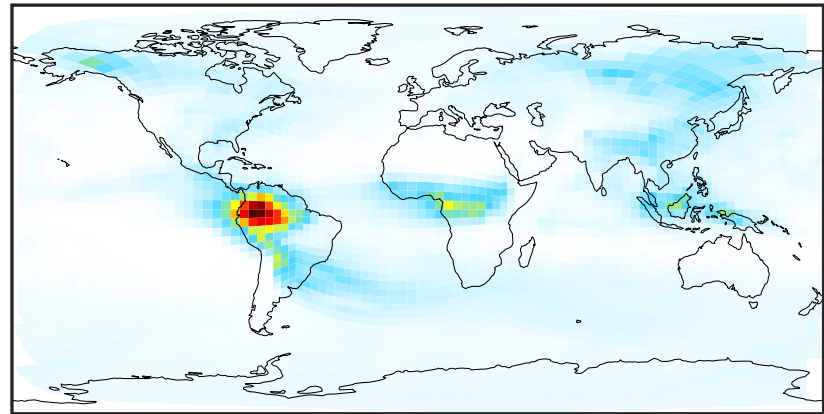
SpeciesConcVV_ALD2 (Jul2019)

GCC_14.2.0 (Ref)
4.0x5.0



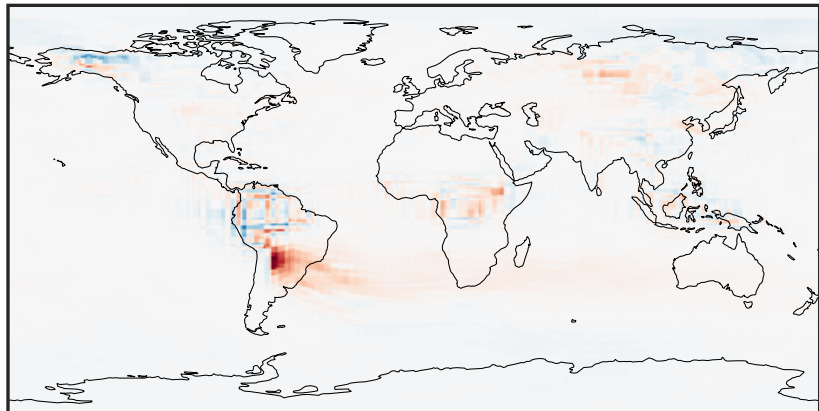
0.0015 0.0541 0.1082 0.1623 0.2180
ppb

GCHP_14.2.0 (Dev)
c24



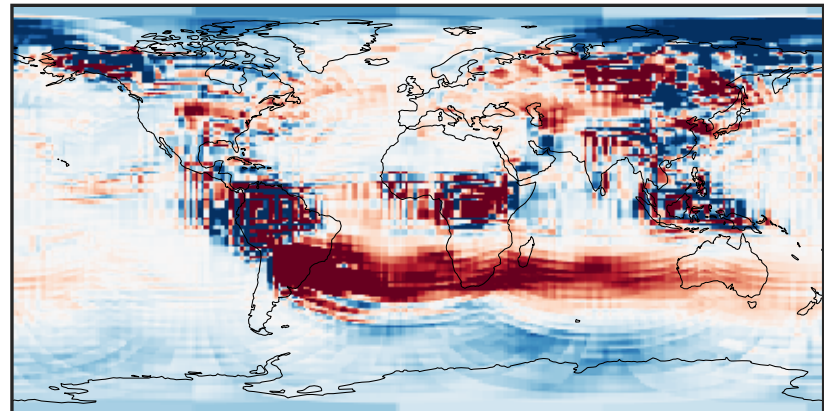
0.0015 0.0541 0.1082 0.1623 0.2180
ppb

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



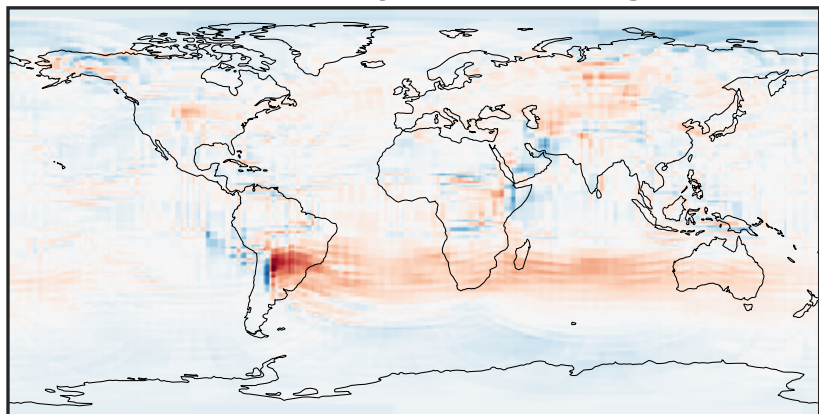
-0.074 -0.037 0.000 0.037 0.074
ppb

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



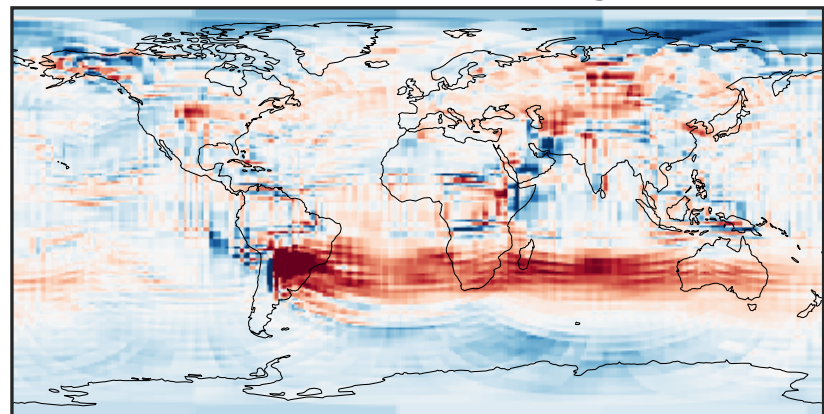
-0.002 0.000 0.002
ppb

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



0.175 0.588 1.000 3.357 5.714
unitless

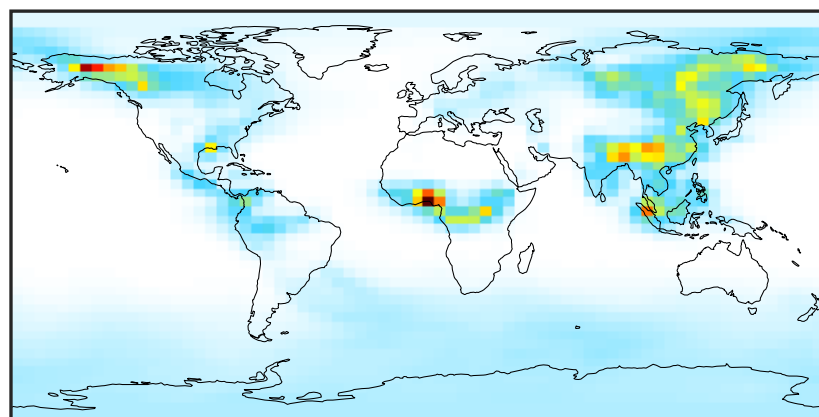
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

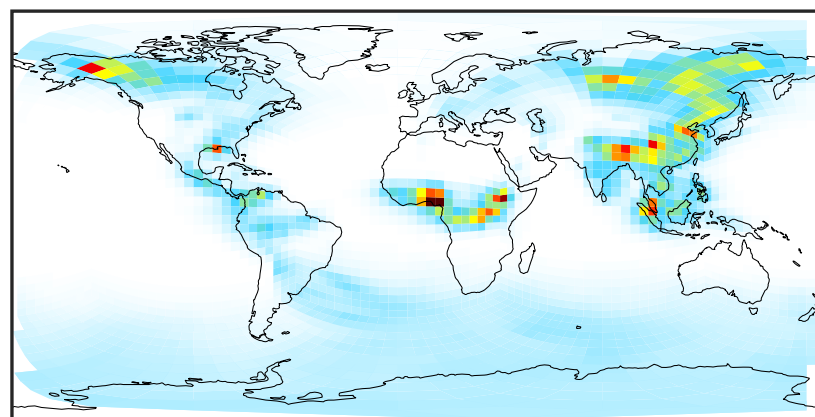
SpeciesConcVW_BALD (Jul2019)

GCC_14.2.0 (Ref)
4.0x5.0



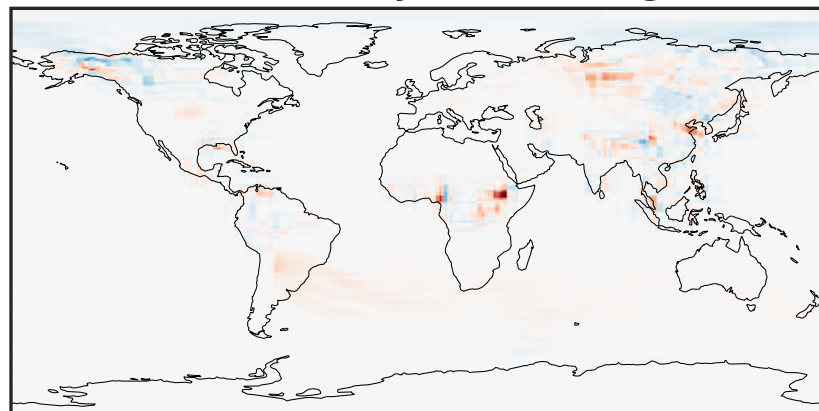
0.00006 0.00012 0.00018
ppb

GCHP_14.2.0 (Dev)
c24



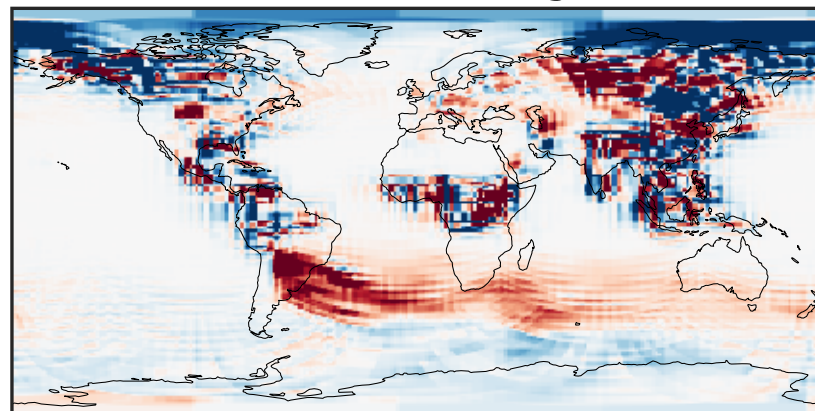
0.00006 0.00012 0.00018
ppb

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



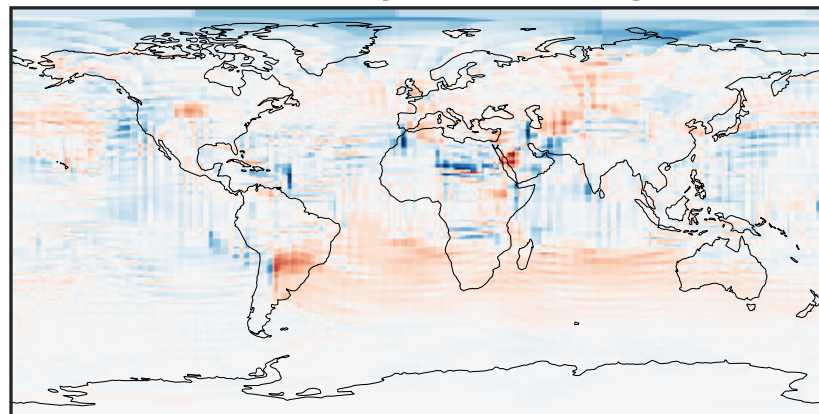
-0.0001 0.0000 0.0001
ppb

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



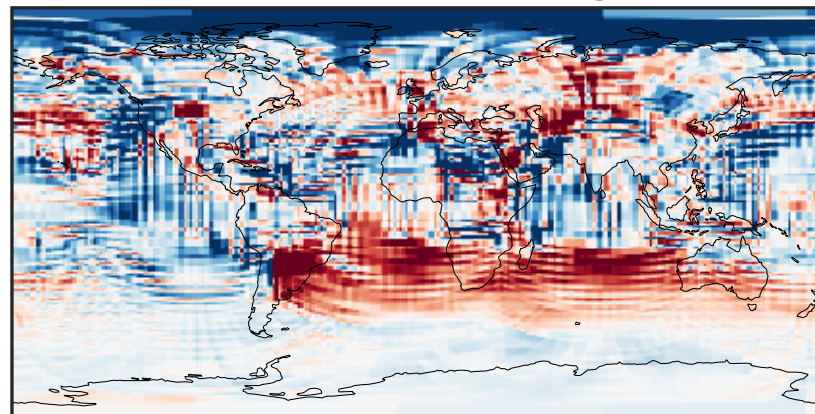
-6 0 6
ppb $1e-6$

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



$1e-01$ 1 10
unitless

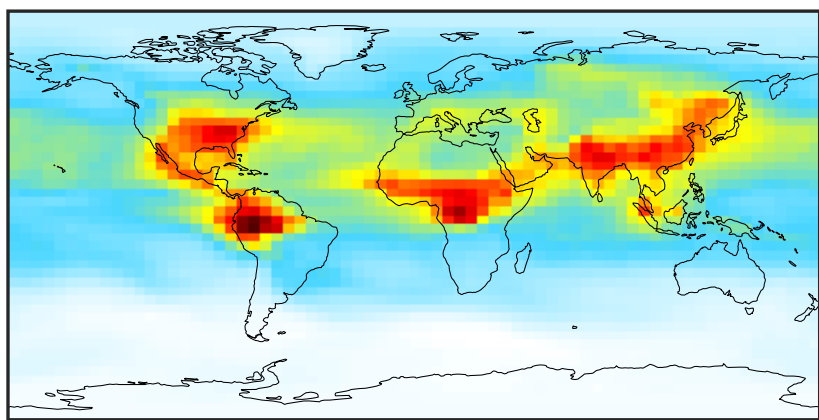
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

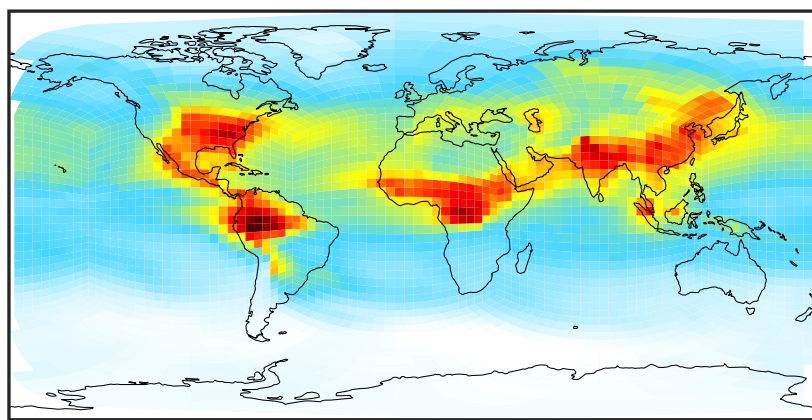
SpeciesConcVV_CH2O (Jul2019)

GCC_14.2.0 (Ref)
4.0x5.0



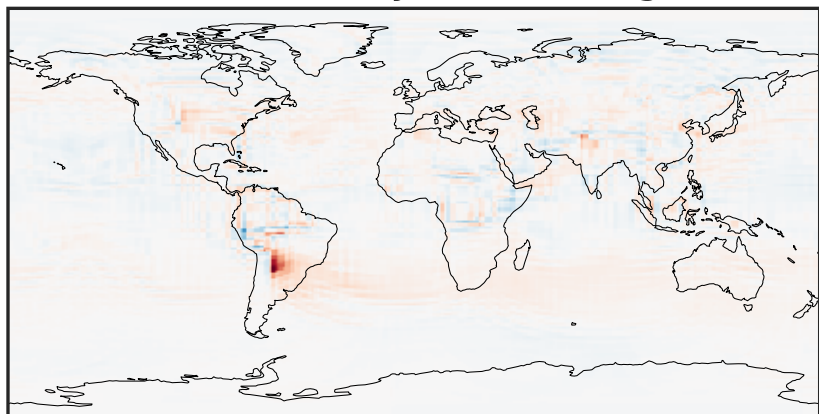
0.0454 0.0951 0.1901 0.2852 0.4257
ppb

GCHP_14.2.0 (Dev)
c24



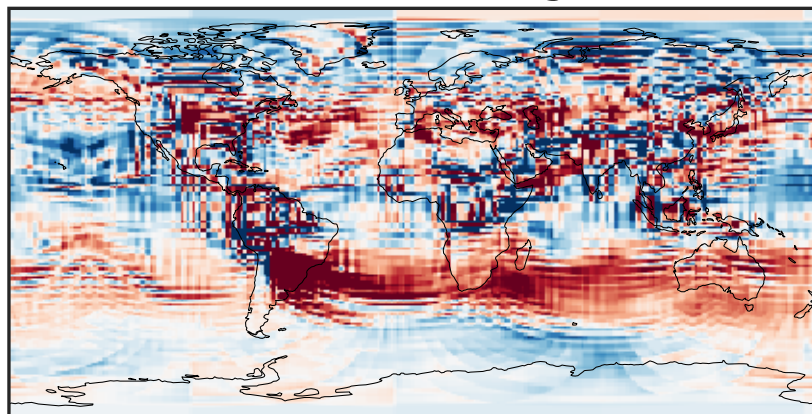
0.0454 0.0951 0.1901 0.2852 0.4257
ppb

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



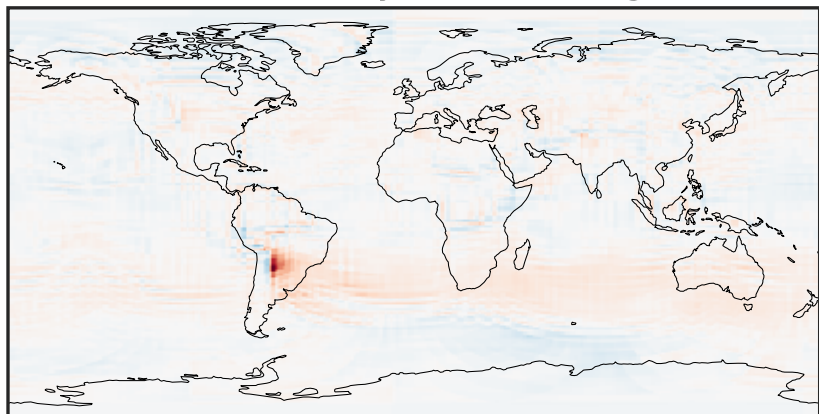
-0.1674 -0.0837 0.0000 0.0837 0.1674
ppb

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



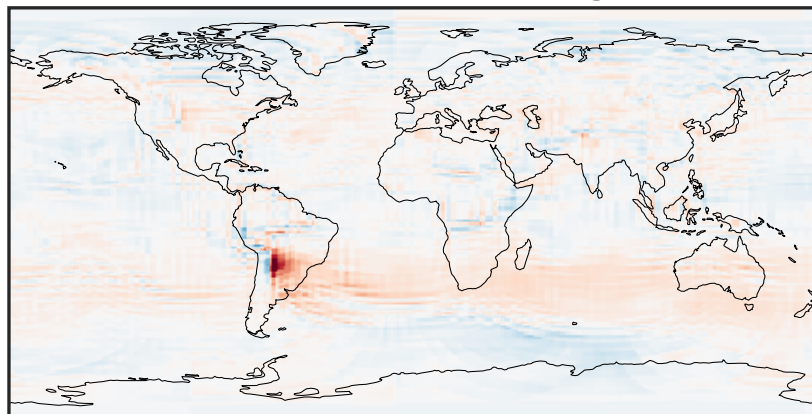
-0.006 0.000 0.006
ppb

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



0.359 0.679 1.000 1.895 2.789
unitless

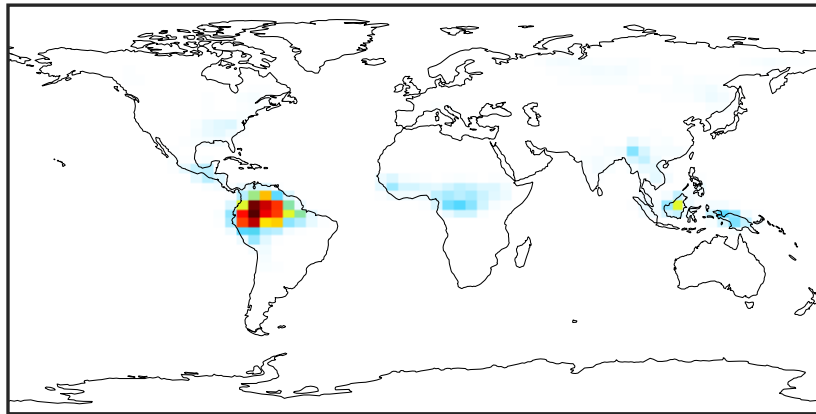
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

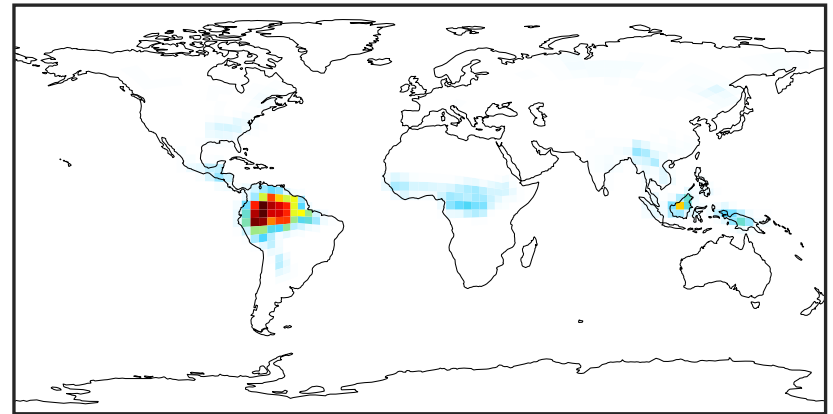
SpeciesConcVV_HPALDs (Jul2019)

GCC_14.2.0 (Ref)
4.0x5.0



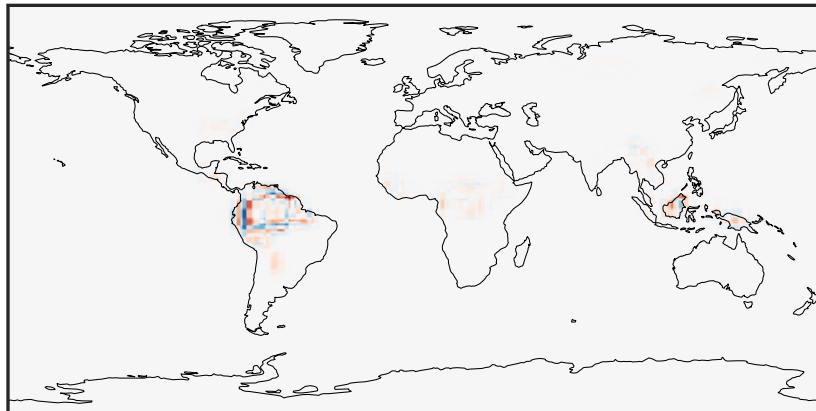
0.000 0.002 0.004 0.006
ppb

GCHP_14.2.0 (Dev)
c24



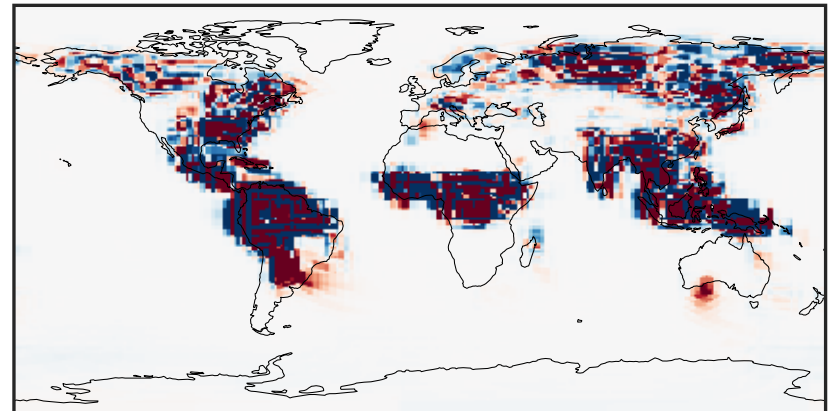
0.000 0.002 0.004 0.006
ppb

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



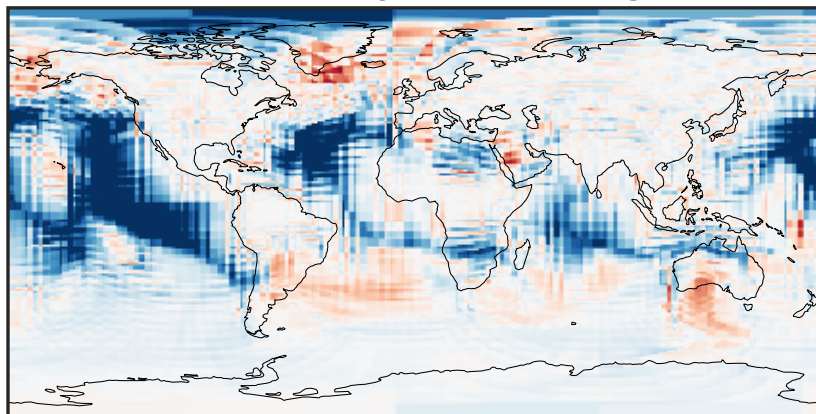
-0.0015 0.0000 0.0015
ppb

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



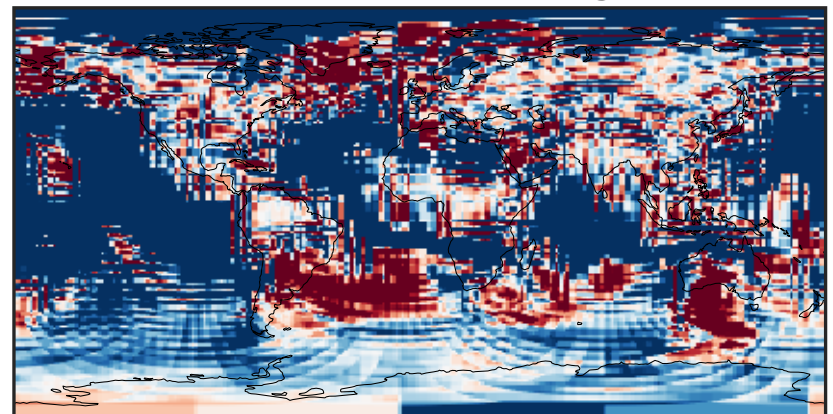
-4 0 4
ppb 1e-6

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



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

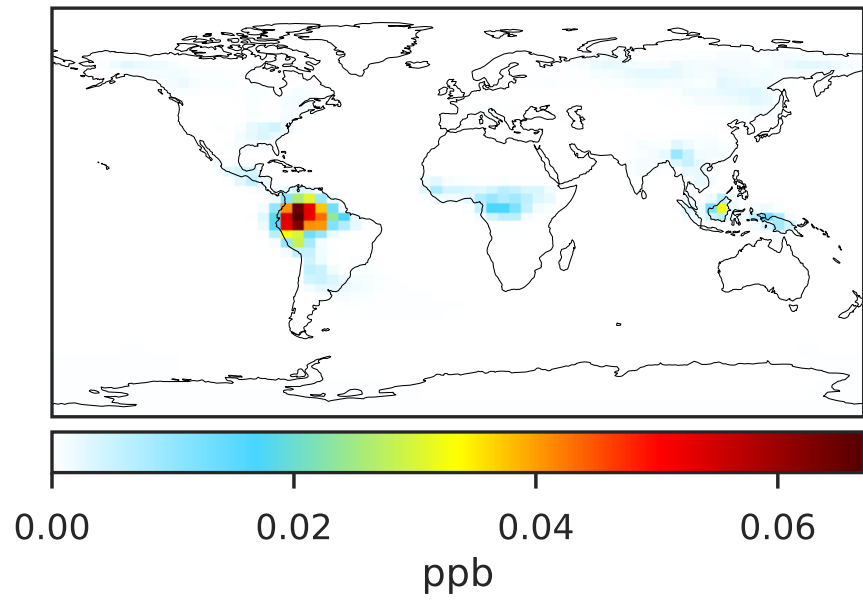
Ratio (1x1.25)
Dev/Ref, Fixed Range



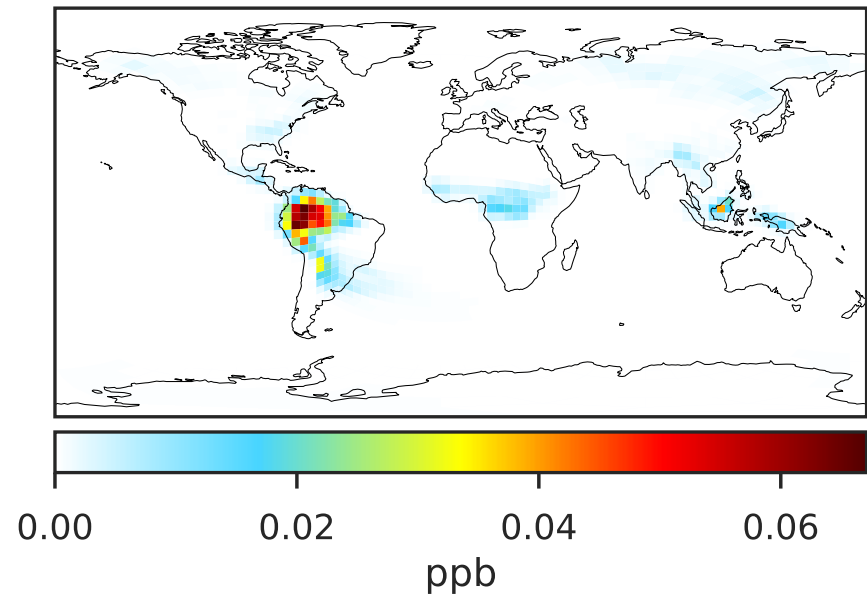
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_MACR (Jul2019)

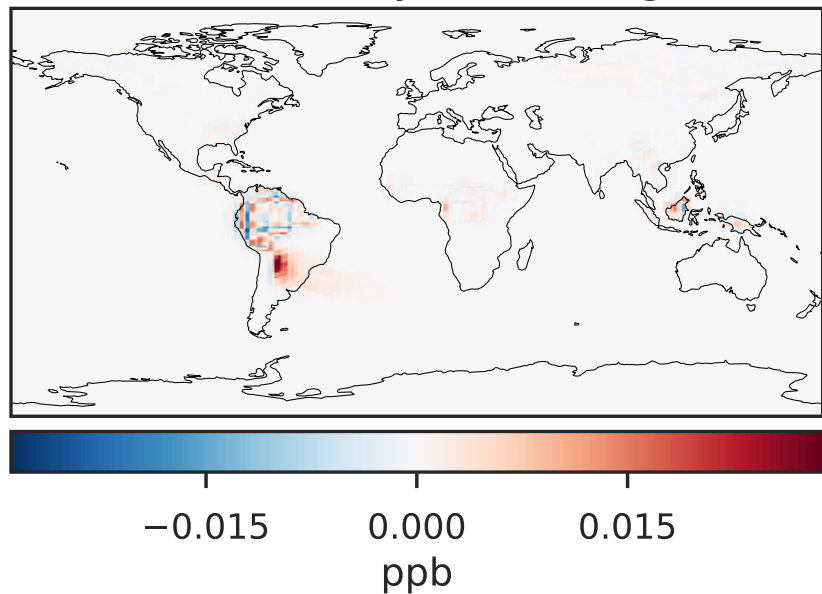
GCC_14.2.0 (Ref)
4.0x5.0



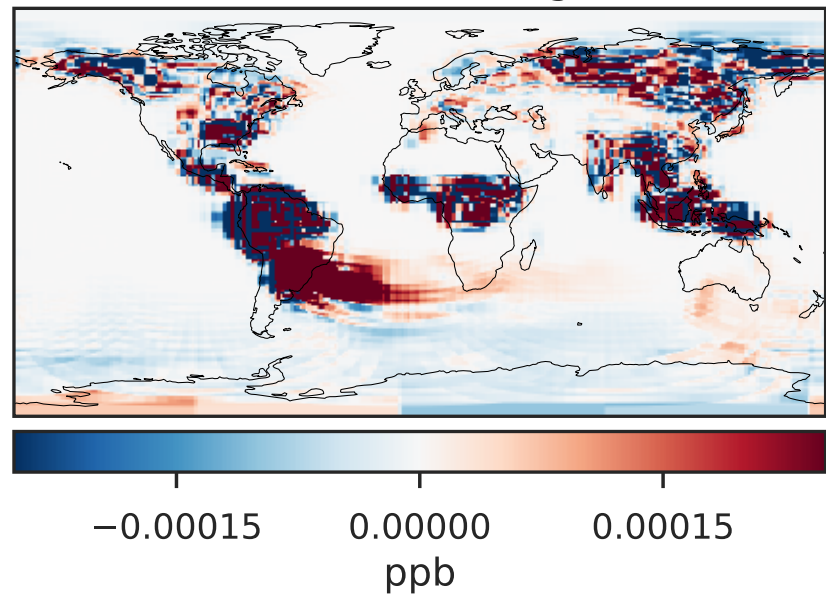
GCHP_14.2.0 (Dev)
c24



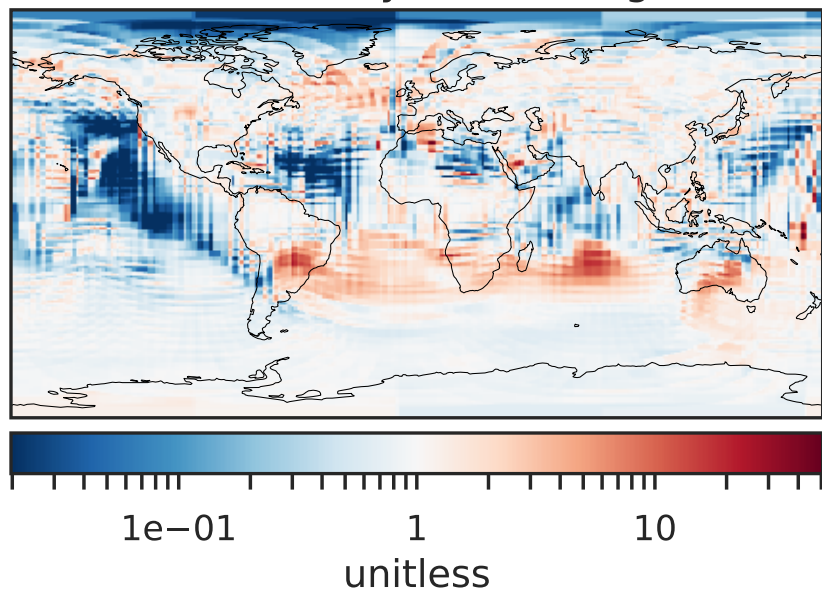
Difference (1x1.25)
Dev - Ref, Dynamic Range



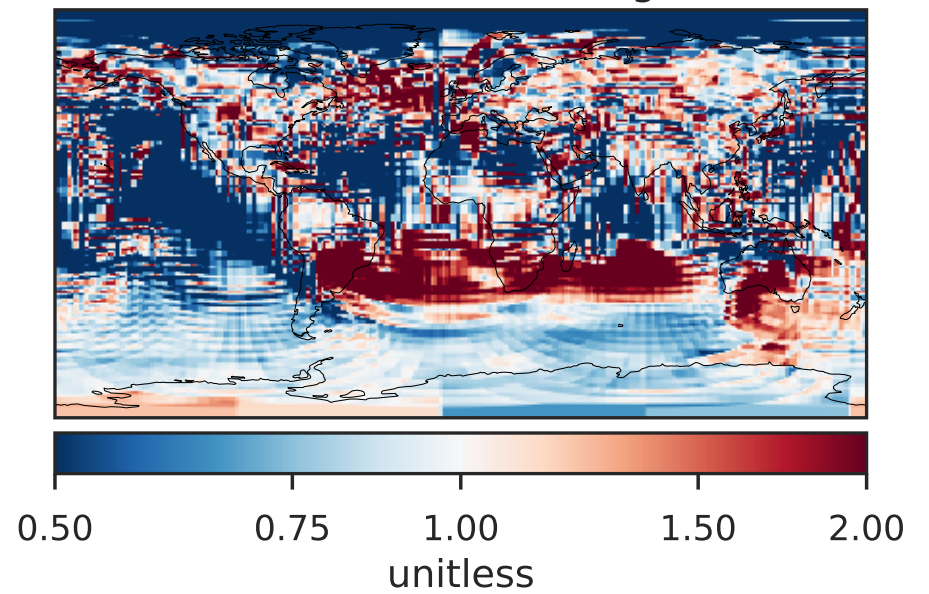
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

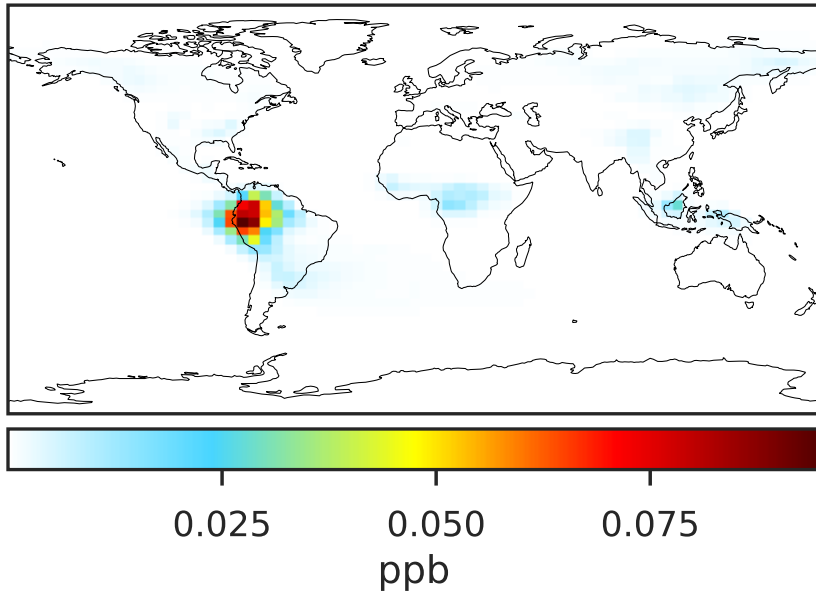


Ratio (1x1.25)
Dev/Ref, Fixed Range

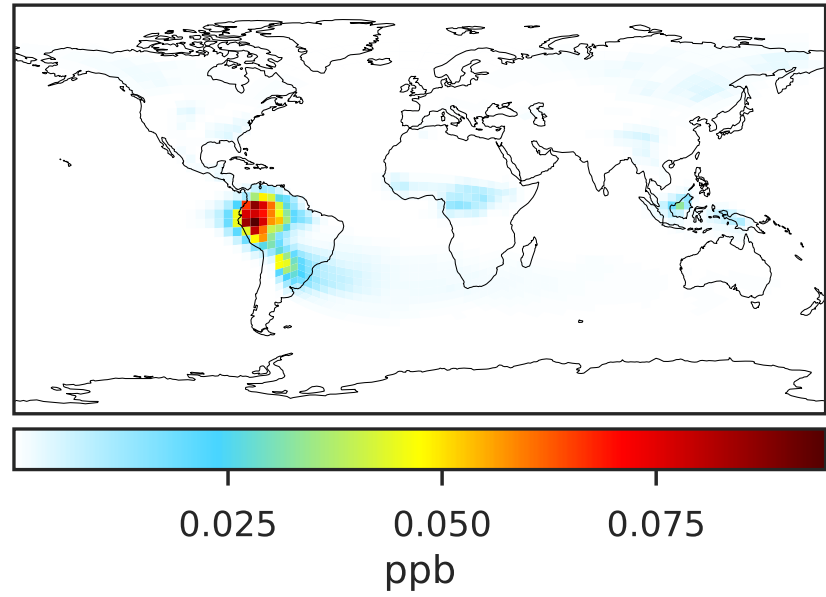


SpeciesConcVV_IEPOX (Jul2019)

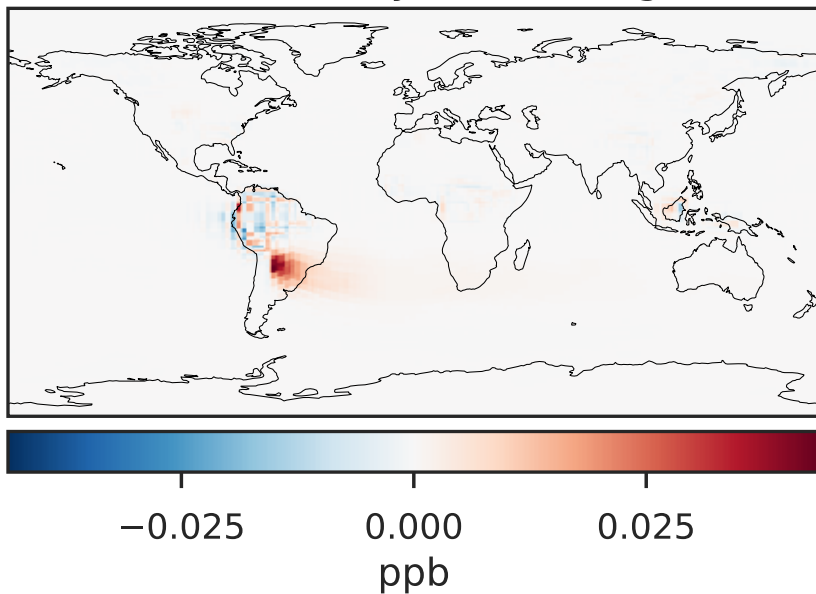
GCC_14.2.0 (Ref)
4.0x5.0



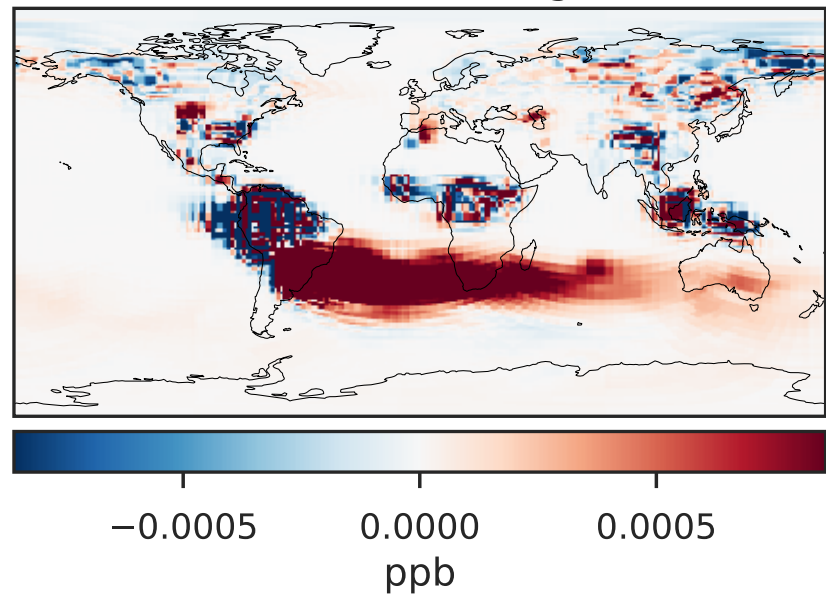
GCHP_14.2.0 (Dev)
c24



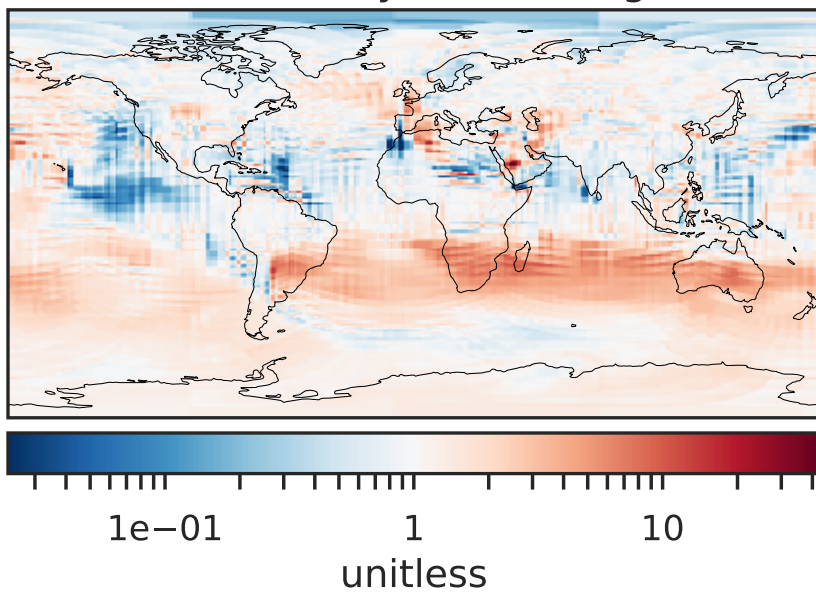
Difference (1x1.25)
Dev - Ref, Dynamic Range



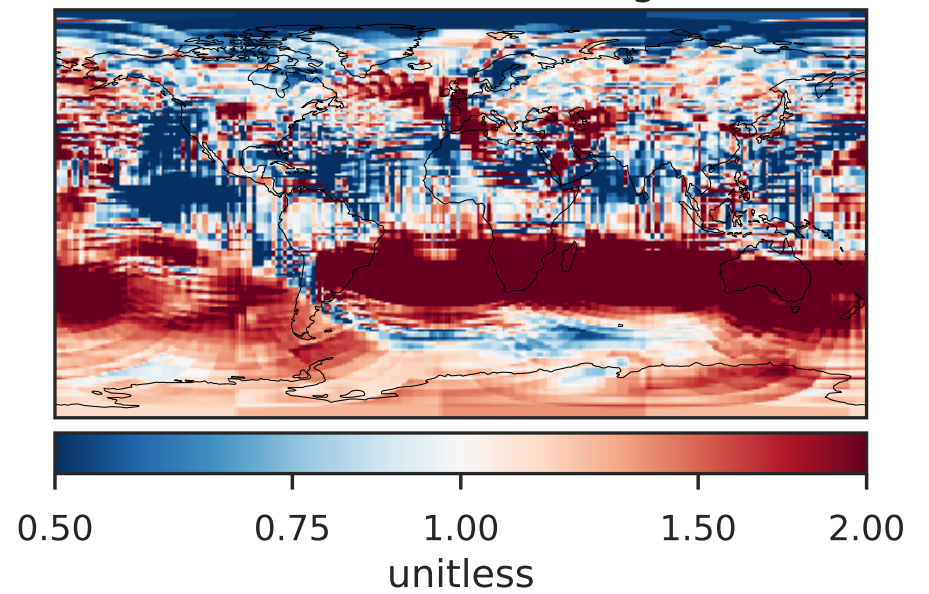
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

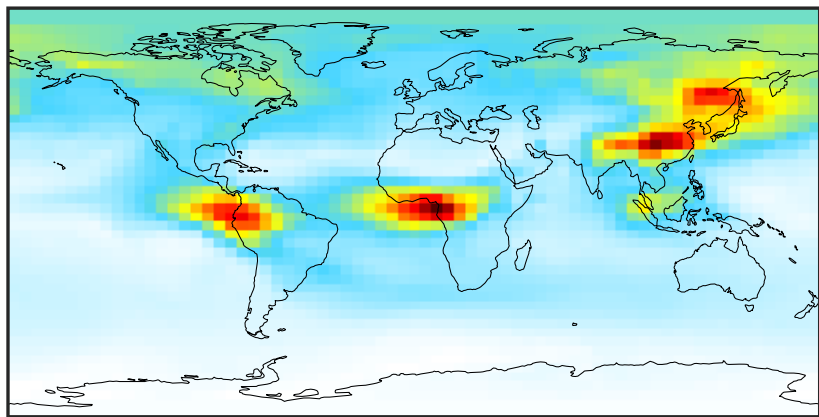


Ratio (1x1.25)
Dev/Ref, Fixed Range



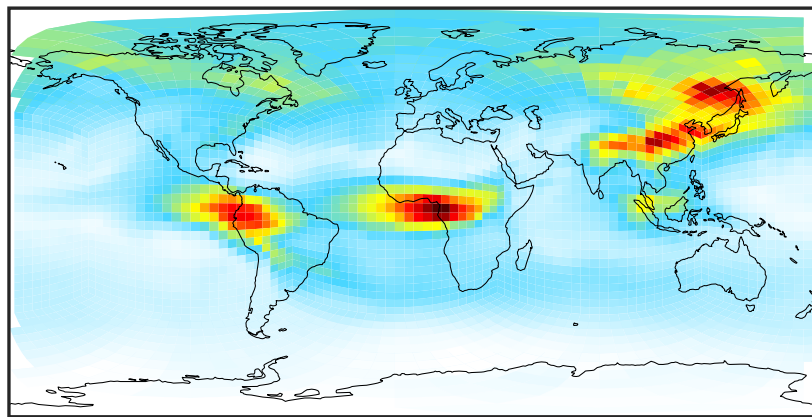
SpeciesConcVV_ACET (Jul2019)

GCC_14.2.0 (Ref)
4.0x5.0



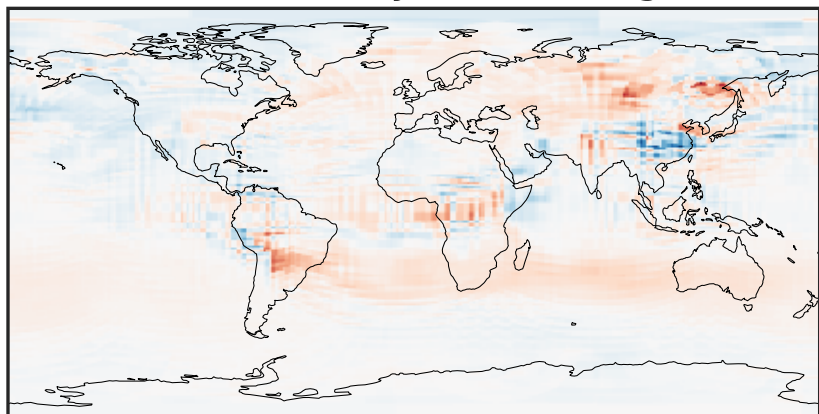
0.3105455 0.910 1.365 2.135
ppb

GCHP_14.2.0 (Dev)
c24



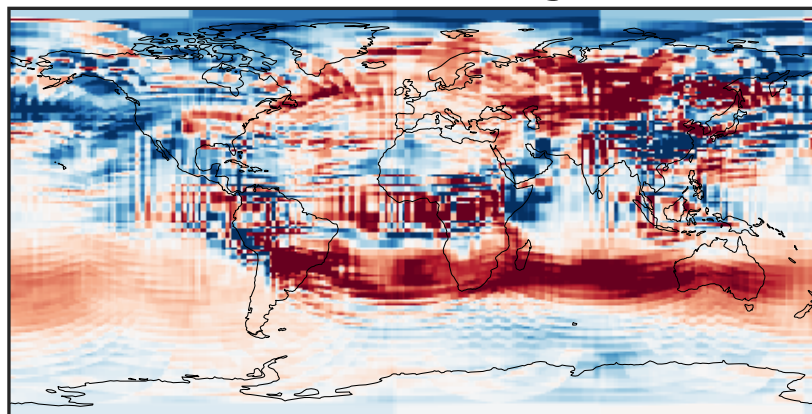
0.3105455 0.910 1.365 2.135
ppb

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



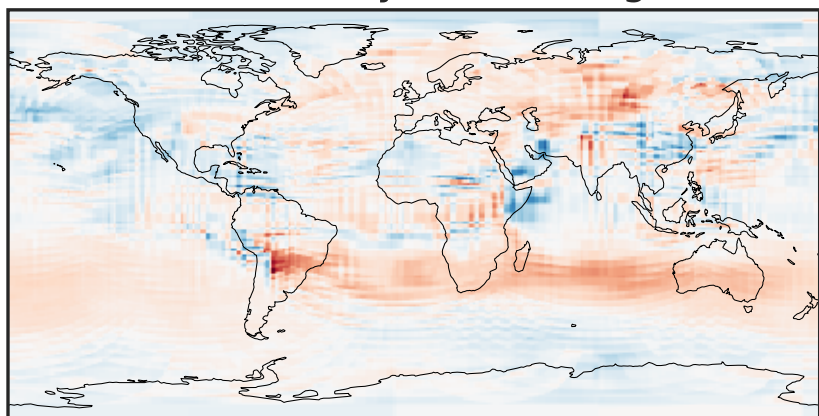
-0.517 -0.259 0.000 0.259 0.517
ppb

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



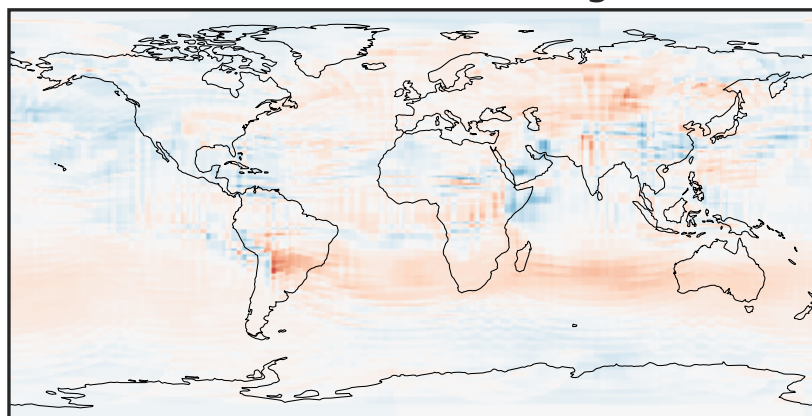
-0.076 -0.038 0.000 0.038 0.076
ppb

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



0.6377 0.8189 1.000 1.2841 1.5681
unitless

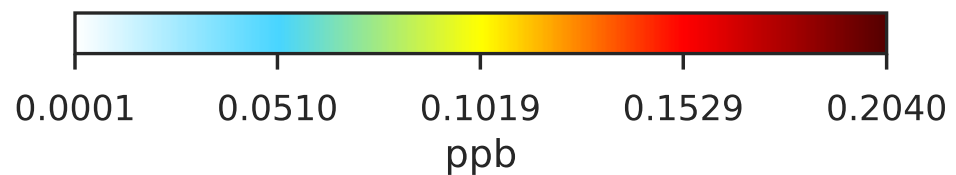
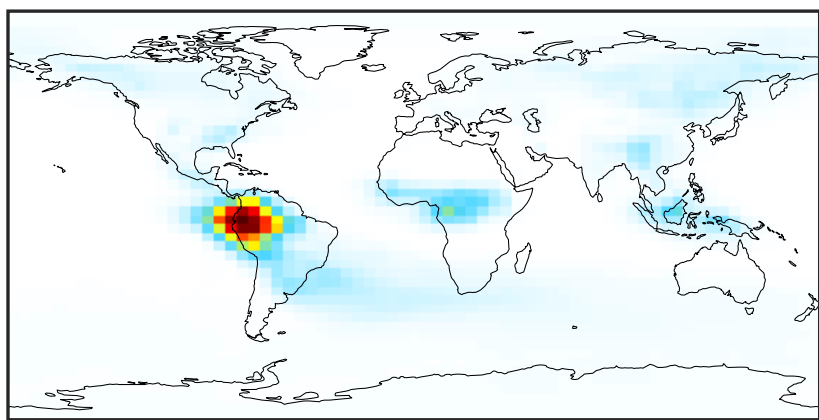
Ratio (1x1.25)
Dev/Ref, Fixed Range



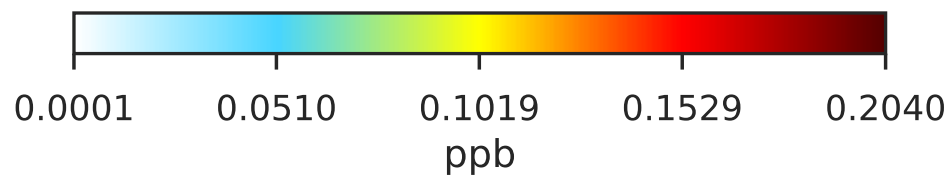
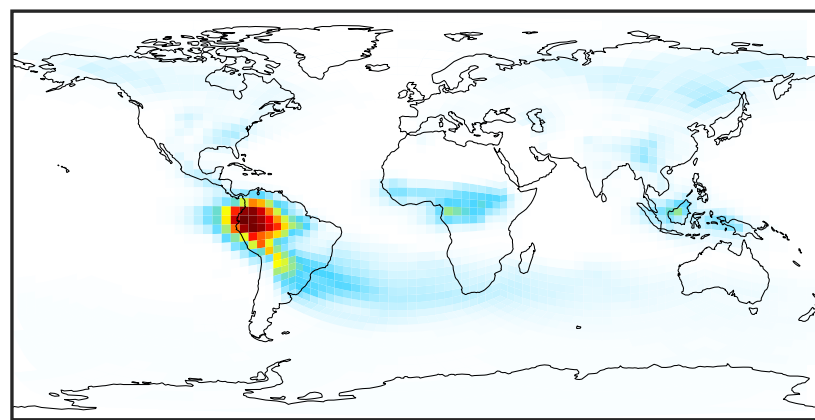
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_HAC (Jul2019)

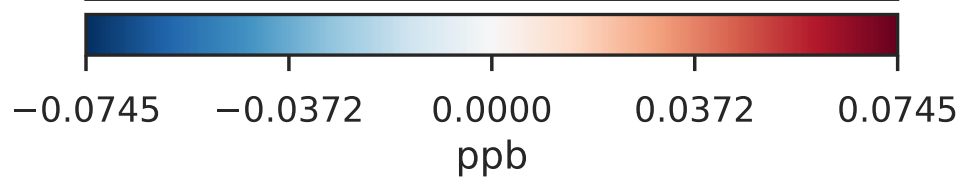
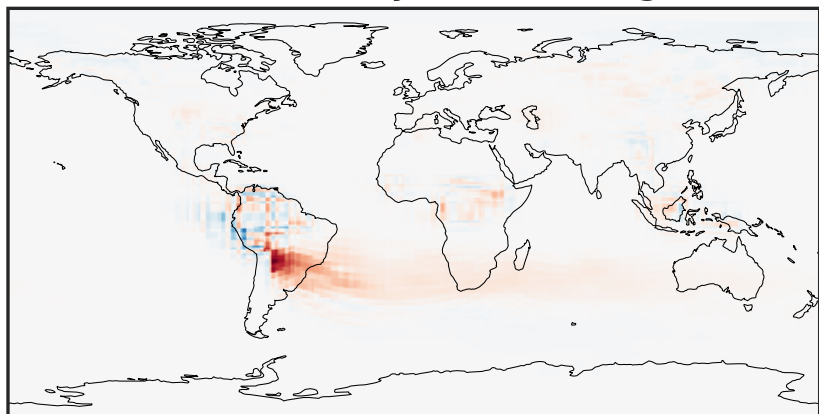
GCC_14.2.0 (Ref)
4.0x5.0



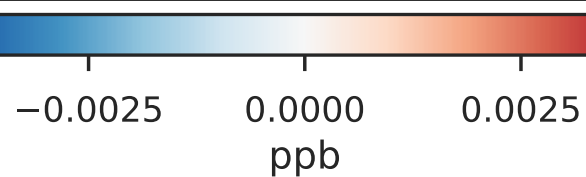
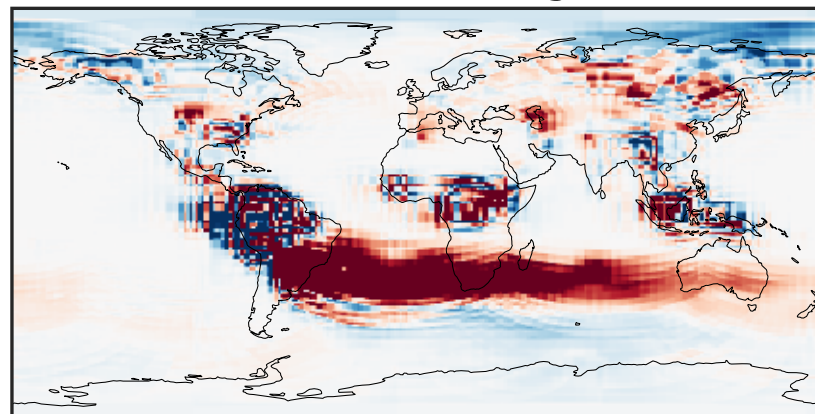
GCHP_14.2.0 (Dev)
c24



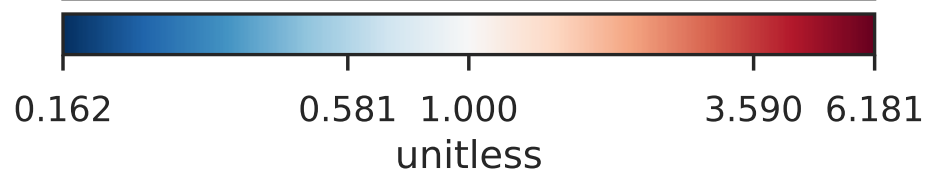
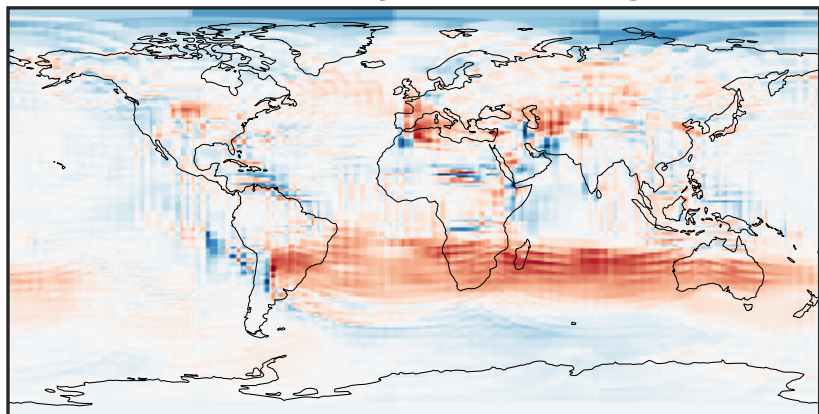
Difference (1x1.25)
Dev - Ref, Dynamic Range



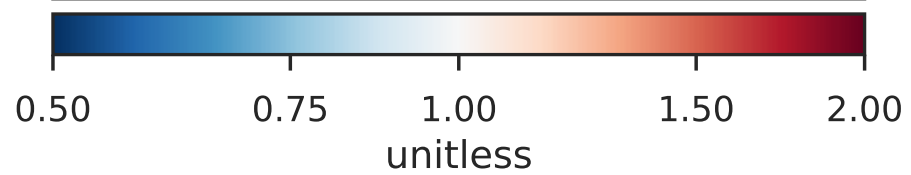
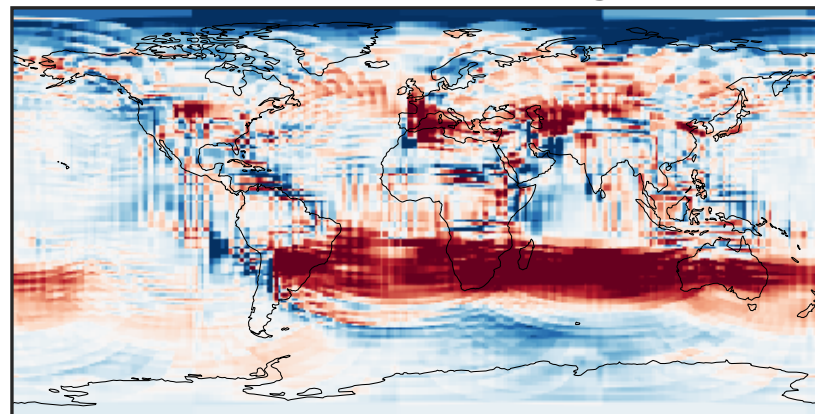
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

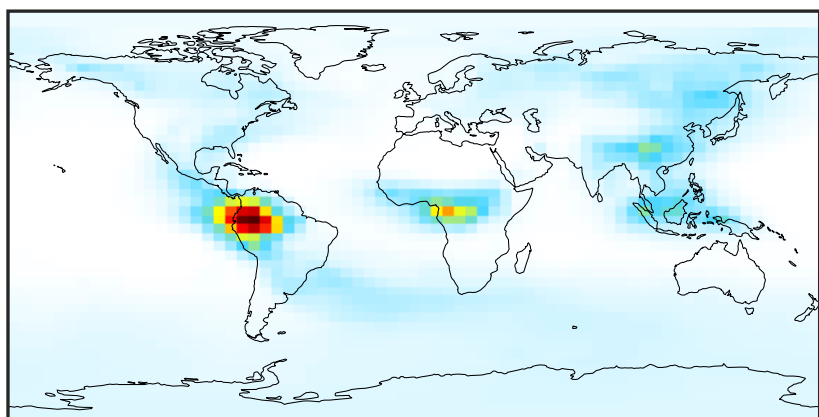


Ratio (1x1.25)
Dev/Ref, Fixed Range



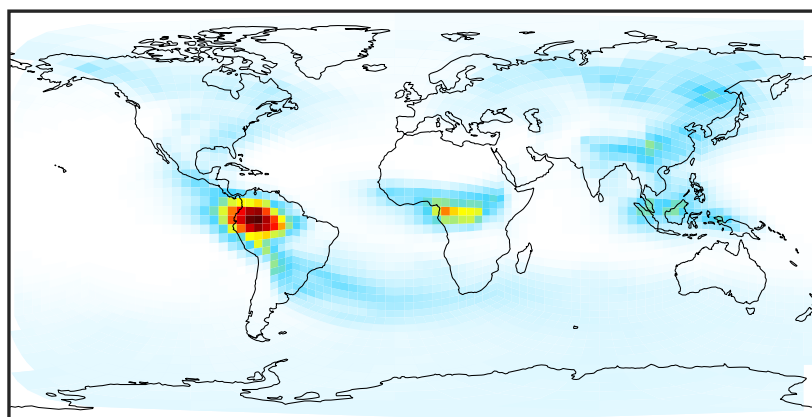
SpeciesConcVV_MEK (Jul2019)

GCC_14.2.0 (Ref)
4.0x5.0



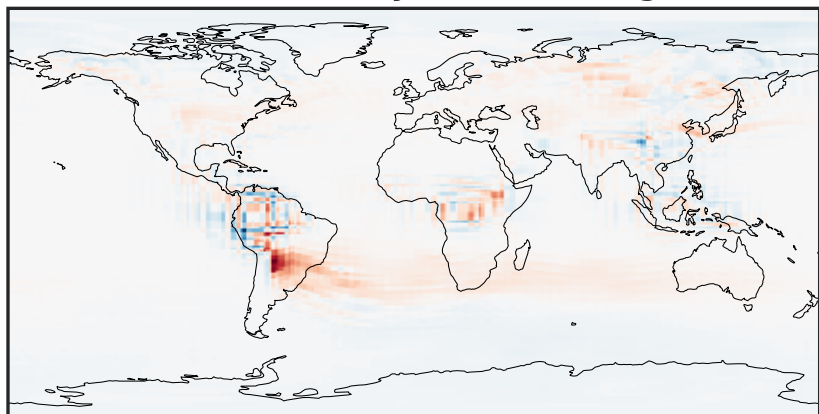
0.0001 0.0738 0.1477 0.2215 0.2954
ppb

GCHP_14.2.0 (Dev)
c24



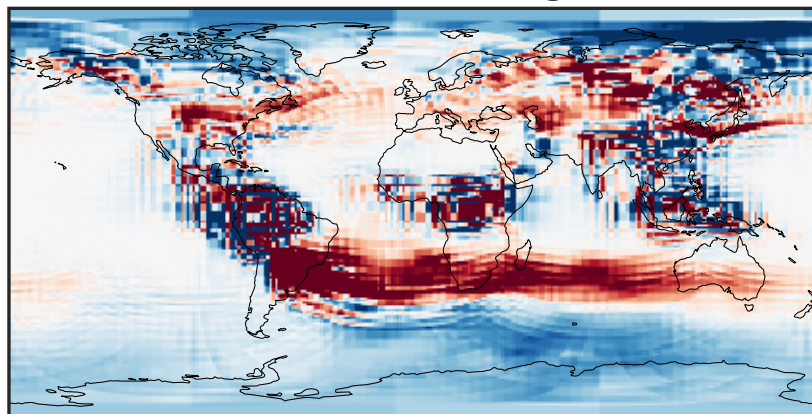
0.0001 0.0738 0.1477 0.2215 0.2954
ppb

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



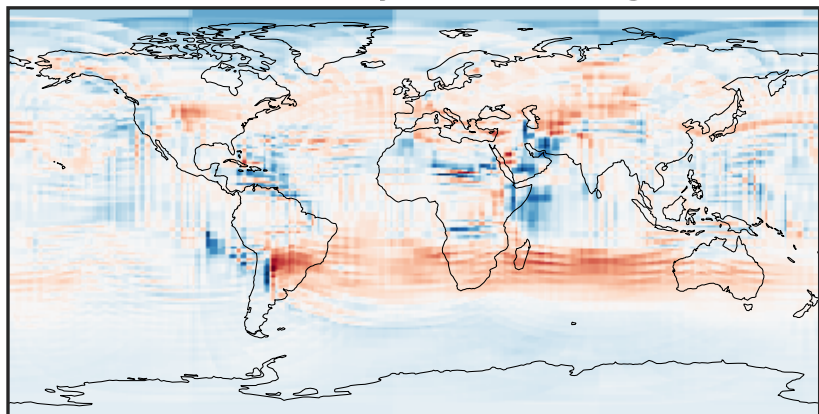
-0.0786 -0.0393 0.0000 0.0393 0.0786
ppb

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



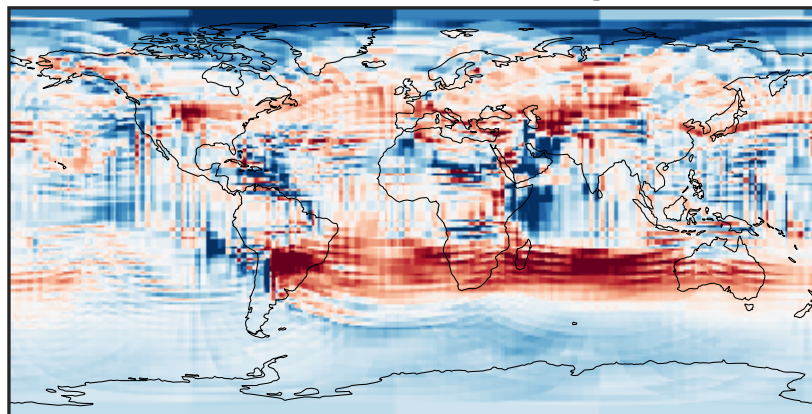
-0.004 0.000 0.004
ppb

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



0.201 0.601 1.000 2.986 4.971
unitless

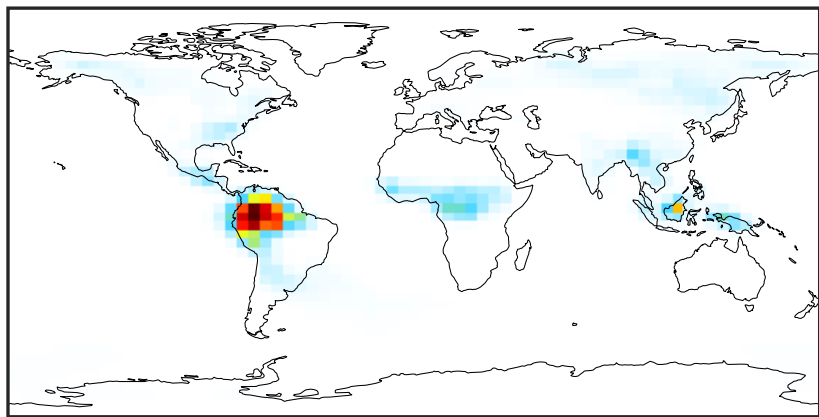
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

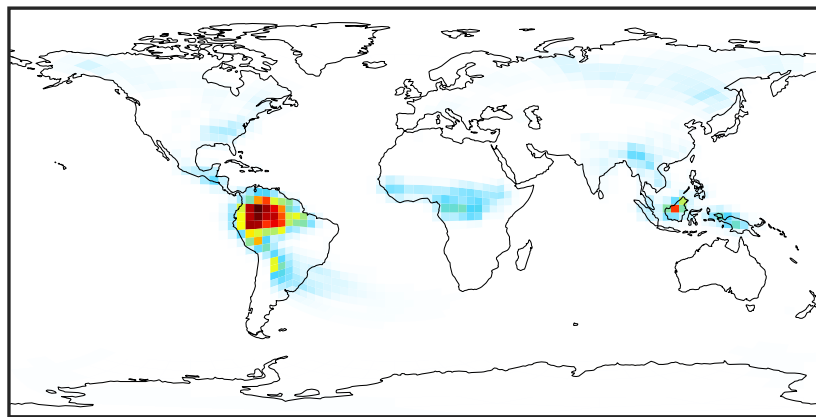
SpeciesConcVV_MVK (Jul2019)

GCC_14.2.0 (Ref)
4.0x5.0



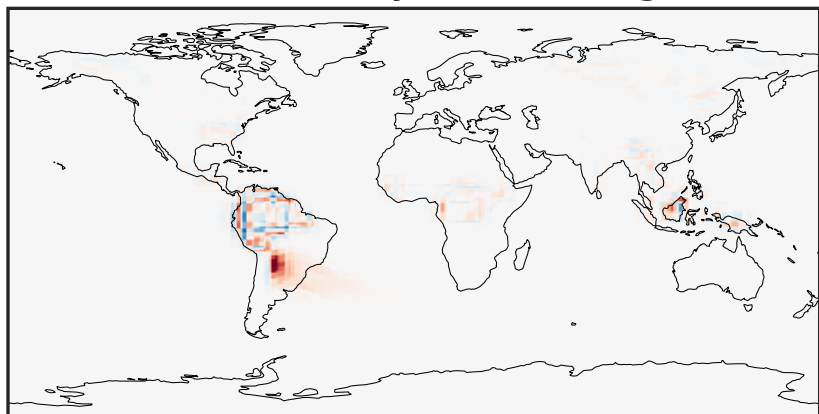
0.0000 0.0251 0.0501 0.0752 0.1003
ppb

GCHP_14.2.0 (Dev)
c24



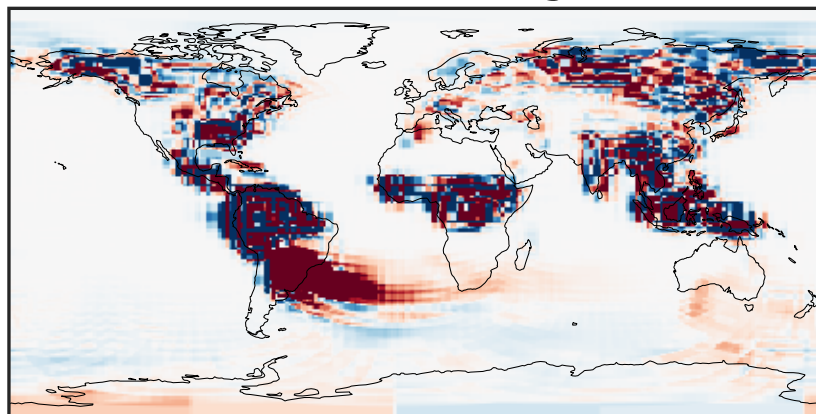
0.0000 0.0251 0.0501 0.0752 0.1003
ppb

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



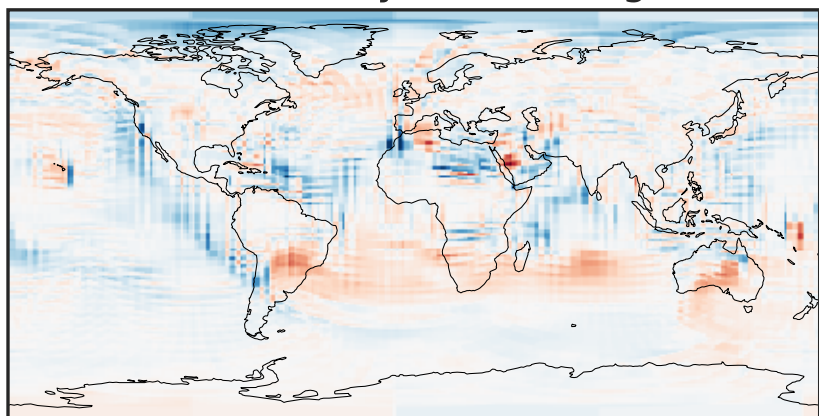
-0.025 0.000 0.025
ppb

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



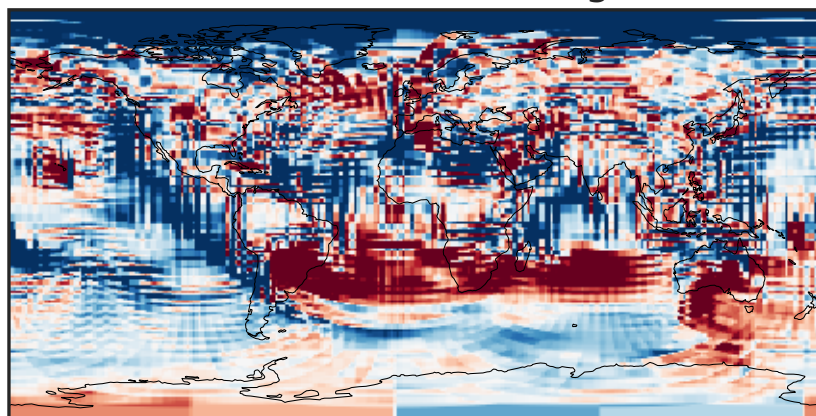
-0.0003 0.0000 0.0003
ppb

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



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

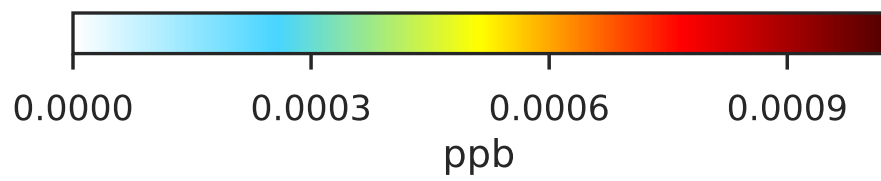
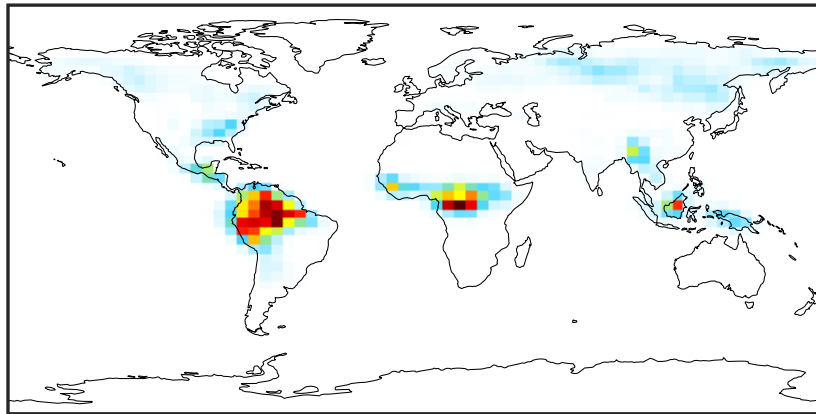
Ratio (1x1.25)
Dev/Ref, Fixed Range



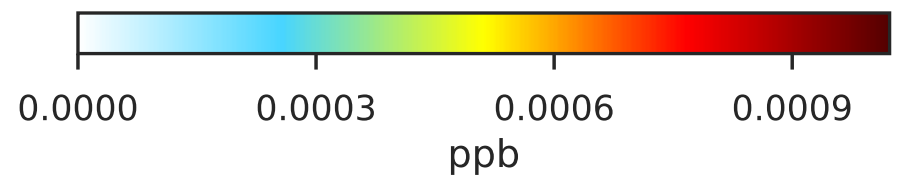
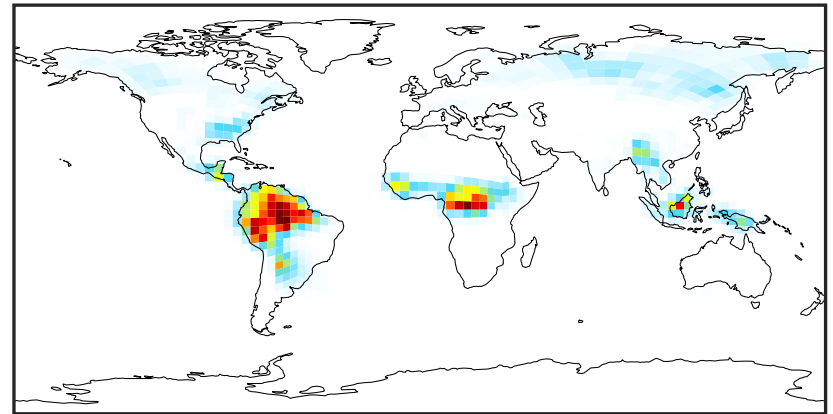
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_ISOPN (Jul2019)

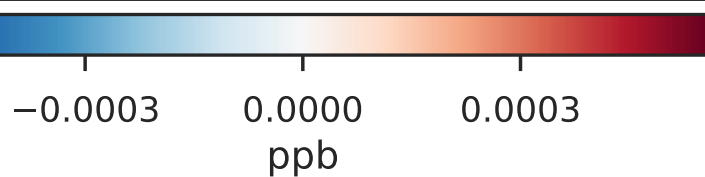
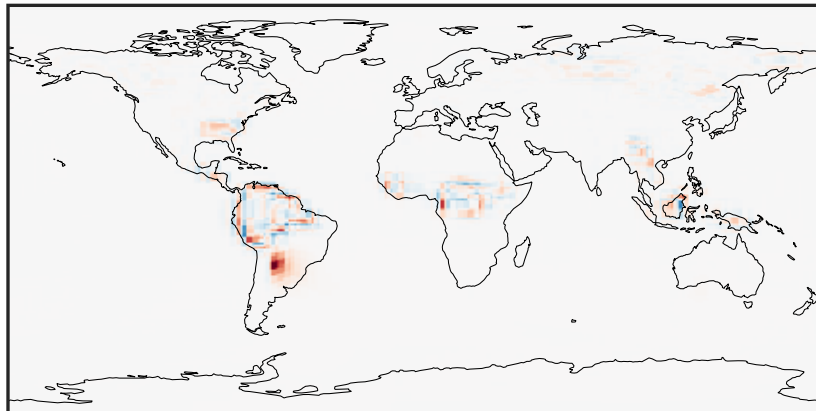
GCC_14.2.0 (Ref)
4.0x5.0



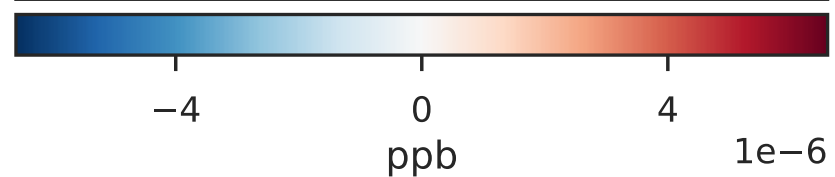
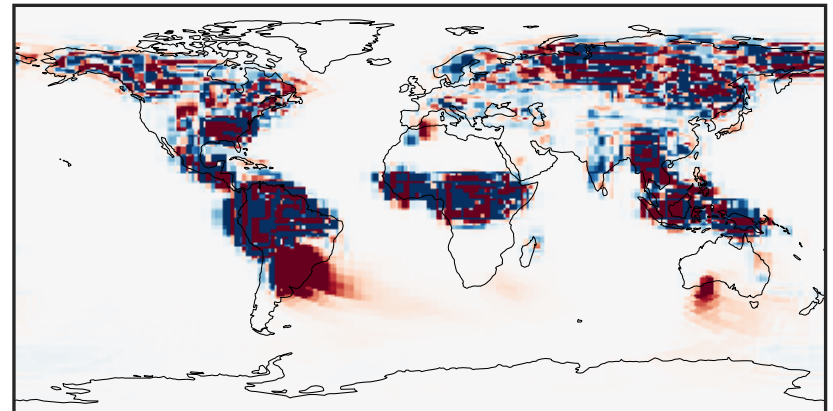
GCHP_14.2.0 (Dev)
c24



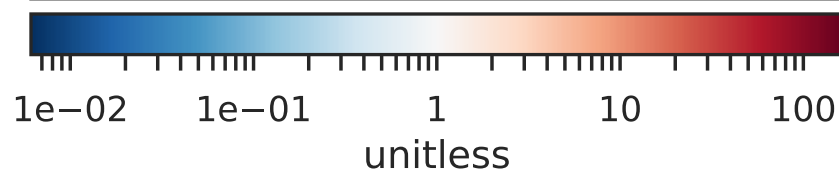
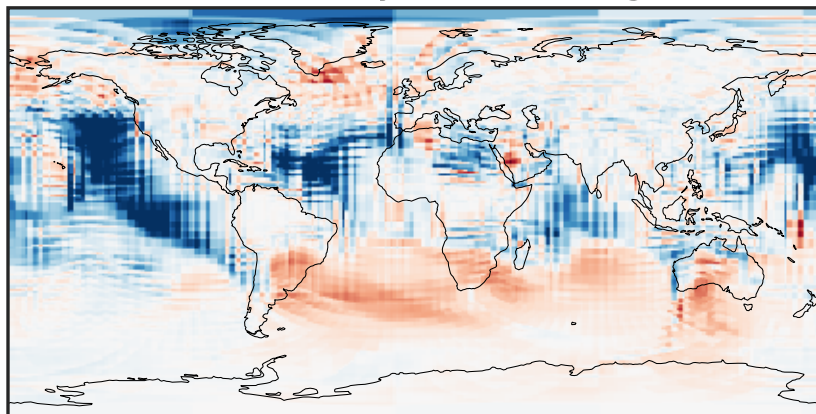
Difference (1x1.25)
Dev - Ref, Dynamic Range



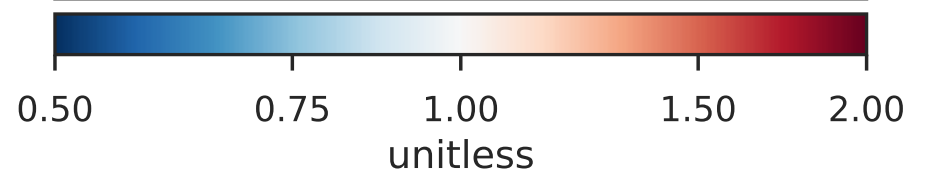
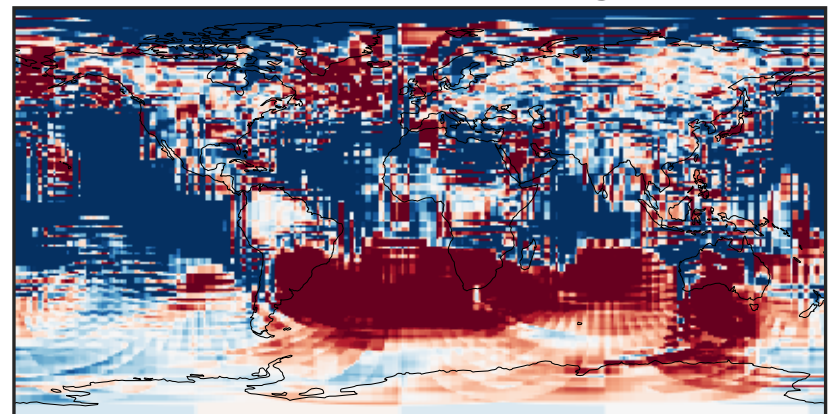
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

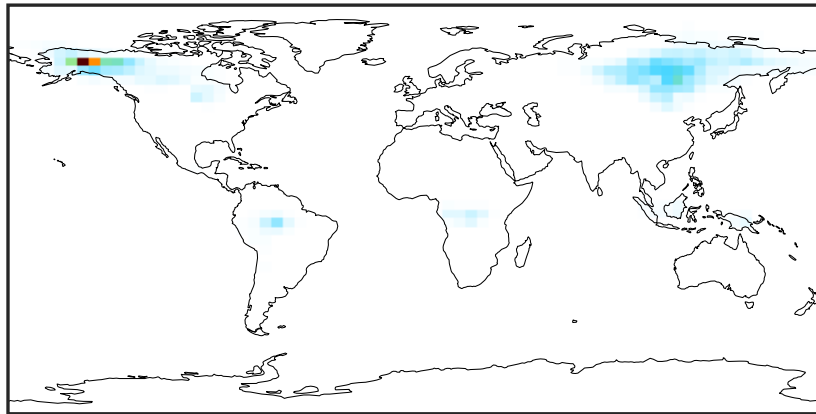


Ratio (1x1.25)
Dev/Ref, Fixed Range



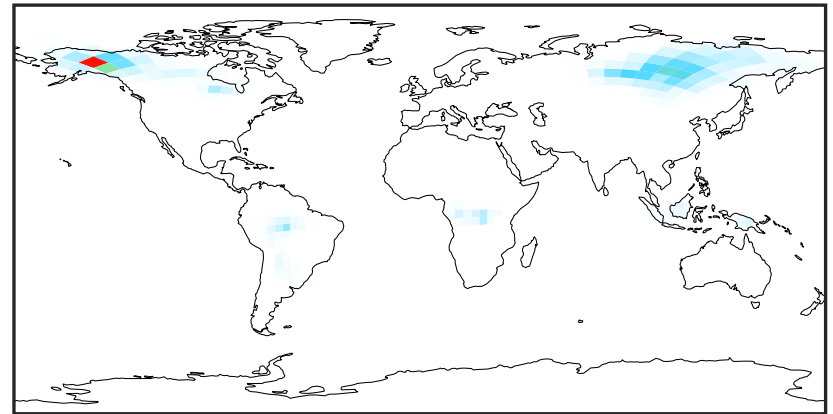
SpeciesConcVV_FURA (Jul2019)

GCC_14.2.0 (Ref)
4.0x5.0



0.0000 0.0015 0.0030 0.0045
ppb

GCHP_14.2.0 (Dev)
c24



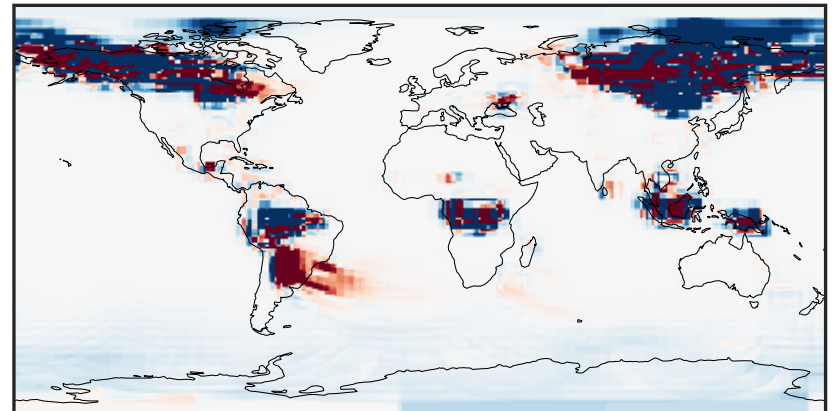
0.0000 0.0015 0.0030 0.0045
ppb

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



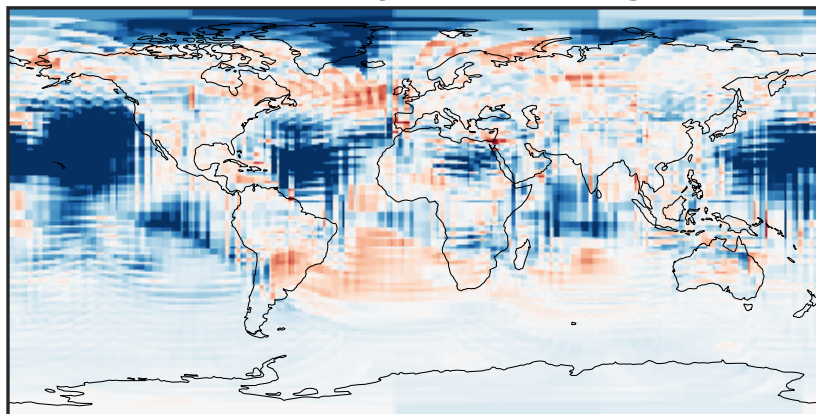
-0.002 0.000 0.002
ppb

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



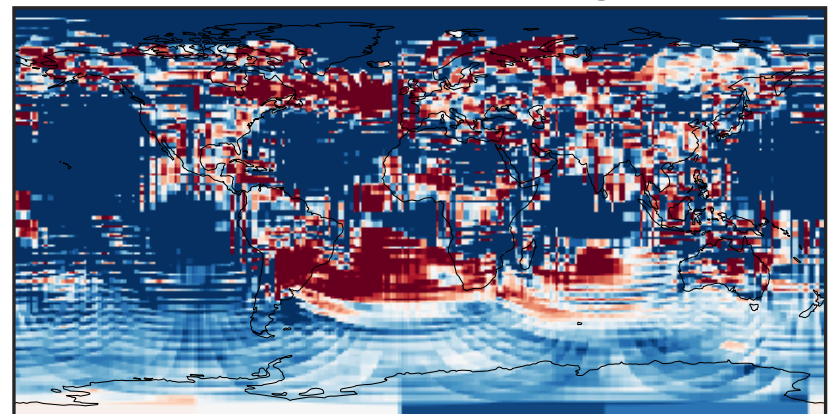
-6 0 6
ppb 1e-6

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



1e-01 1 10
unitless

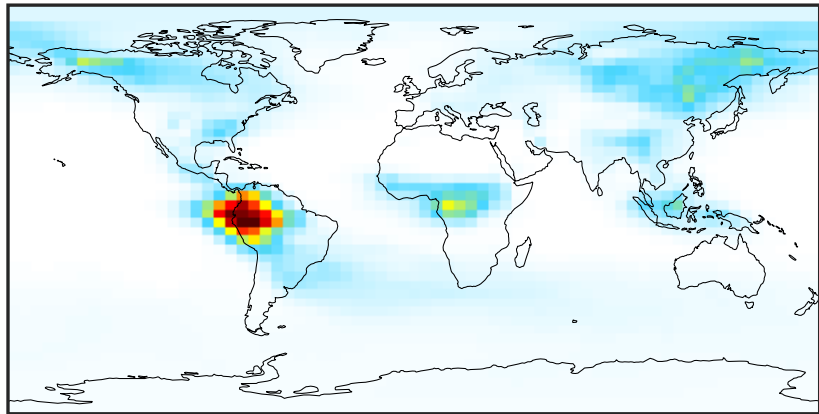
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

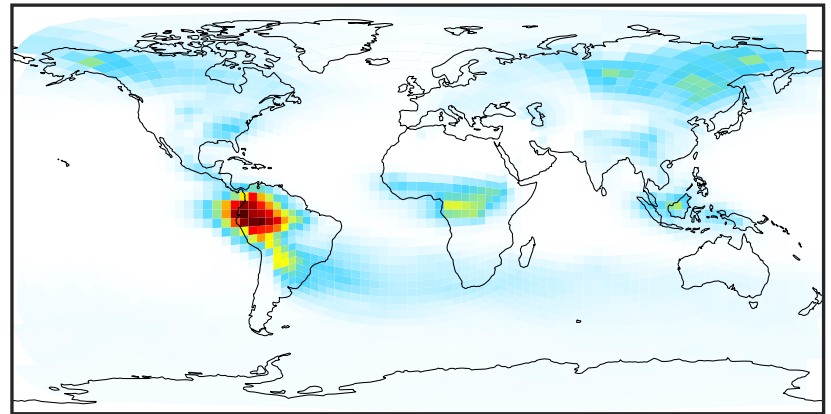
SpeciesConcVV_GLYC (Jul2019)

GCC_14.2.0 (Ref)
4.0x5.0



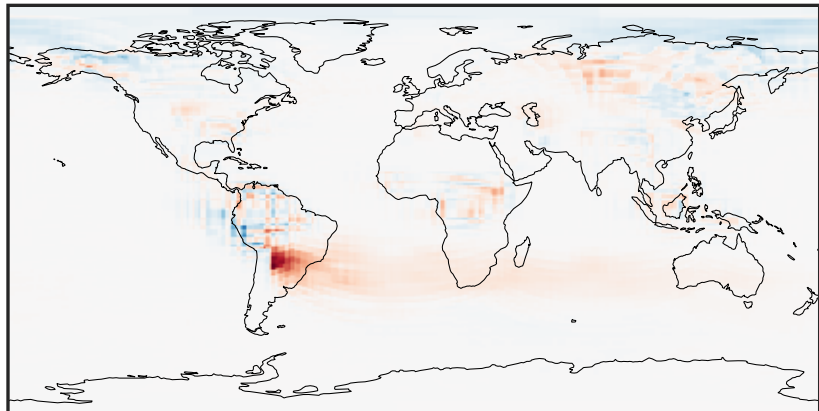
0.0000 0.0265 0.0530 0.0796 0.1061
ppb

GCHP_14.2.0 (Dev)
c24



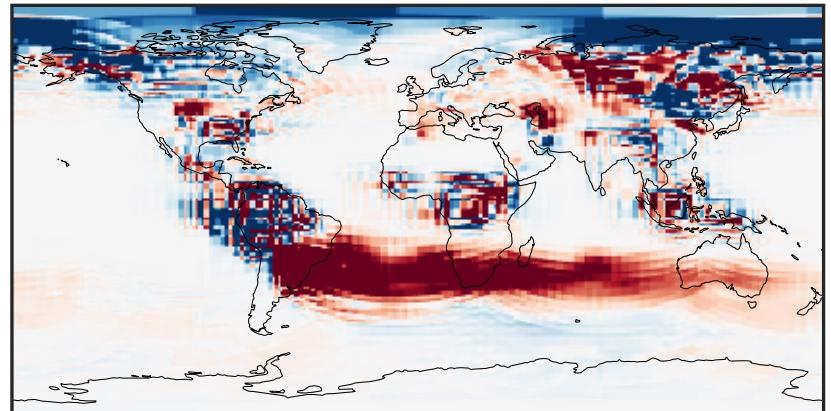
0.0000 0.0265 0.0530 0.0796 0.1061
ppb

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



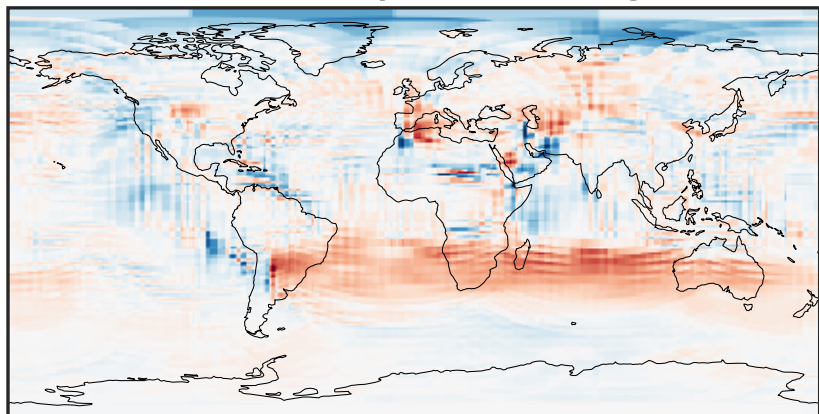
-0.025 0.000 0.025
ppb

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



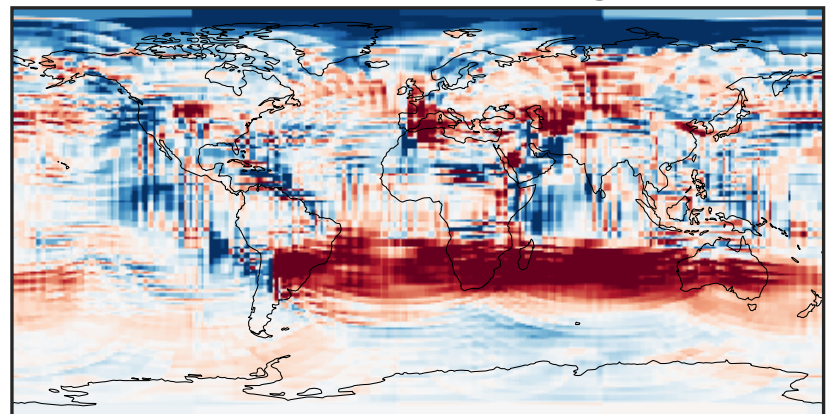
-0.002 0.000 0.002
ppb

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



0.124 0.562 1.000 4.526 8.051
unitless

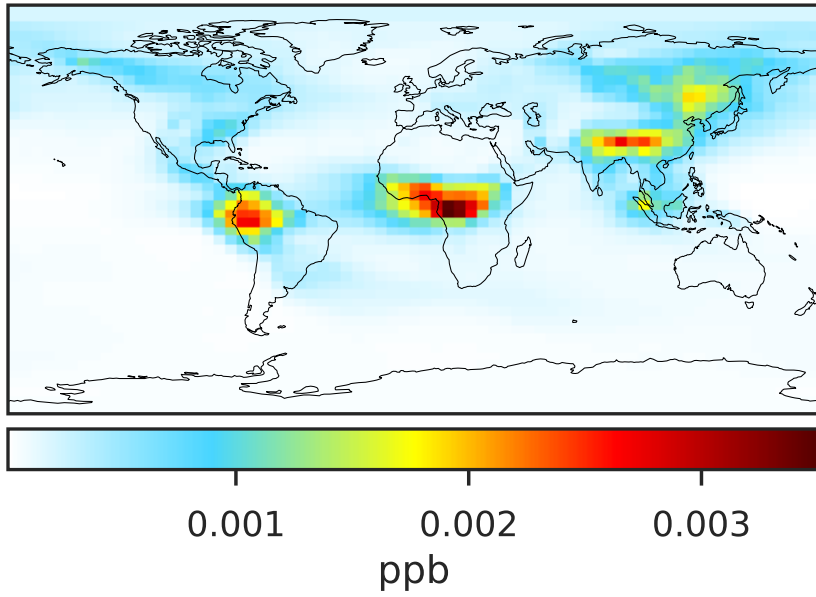
Ratio (1x1.25)
Dev/Ref, Fixed Range



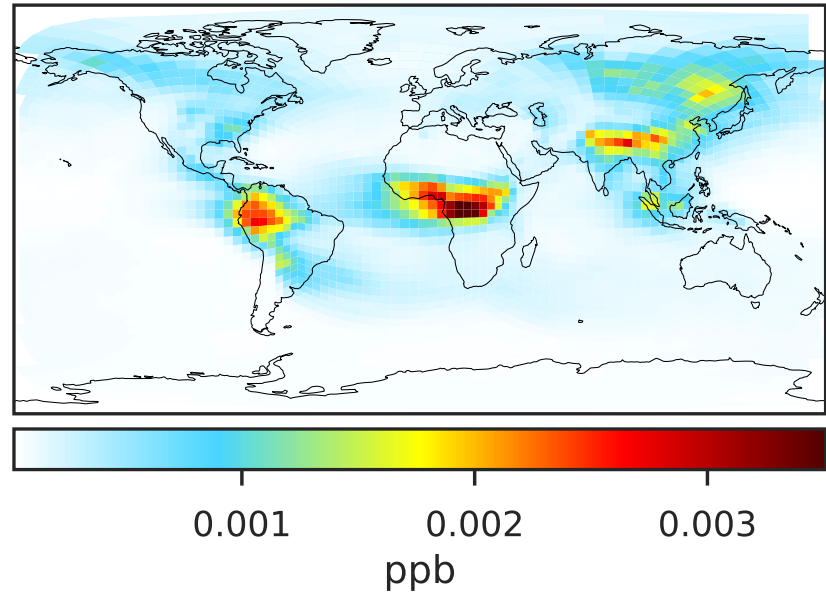
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_GLYX (Jul2019)

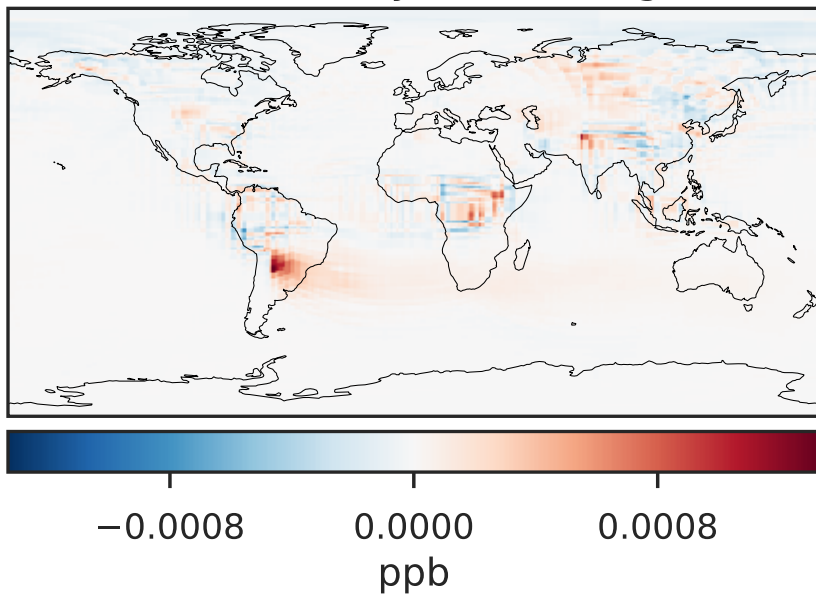
GCC_14.2.0 (Ref)
4.0x5.0



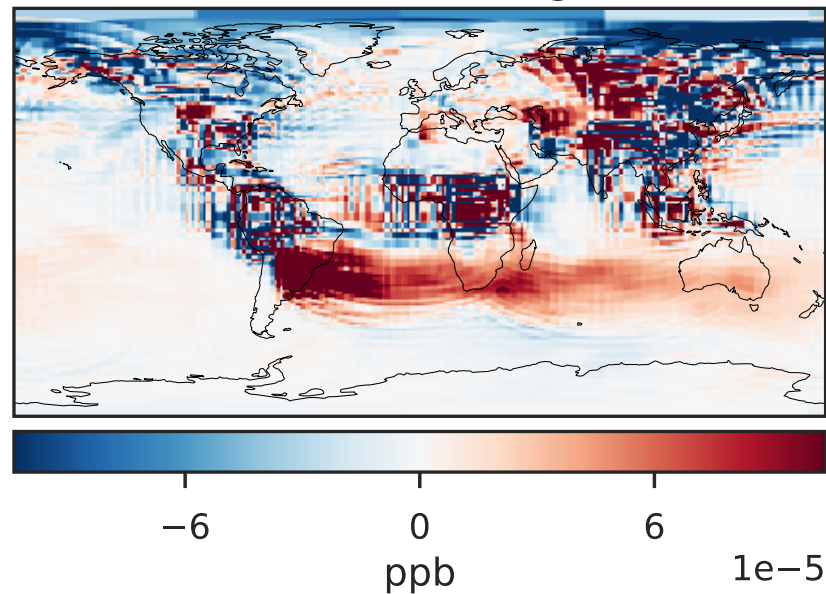
GCHP_14.2.0 (Dev)
c24



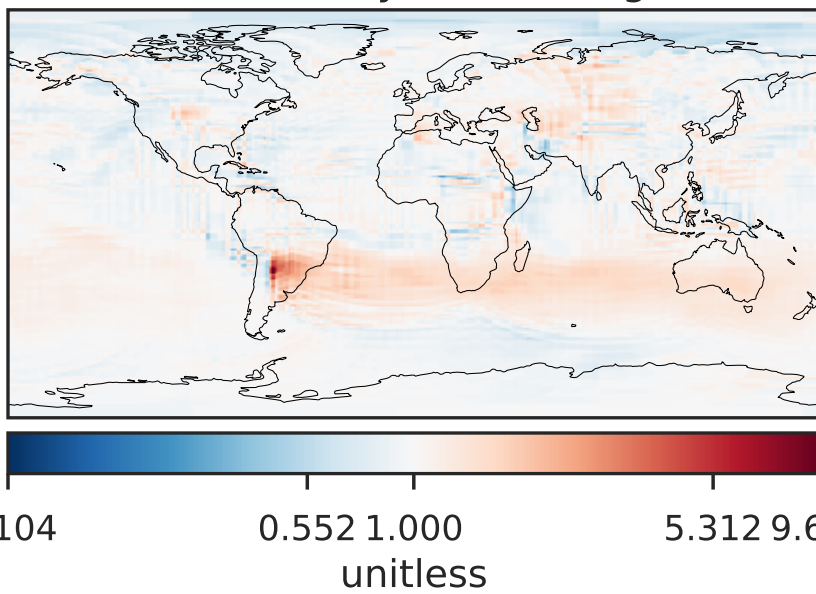
Difference (1x1.25)
Dev - Ref, Dynamic Range



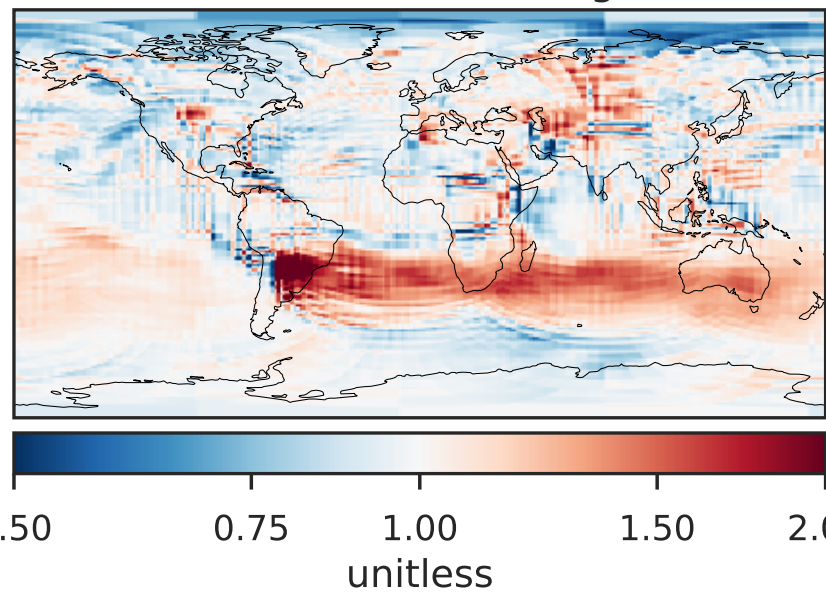
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

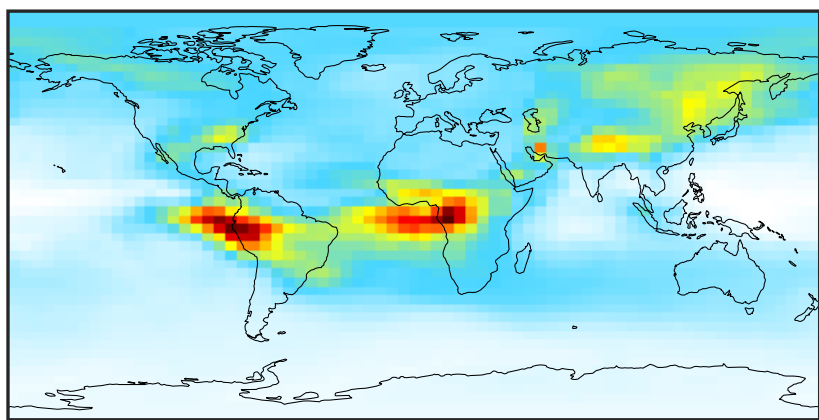


Ratio (1x1.25)
Dev/Ref, Fixed Range



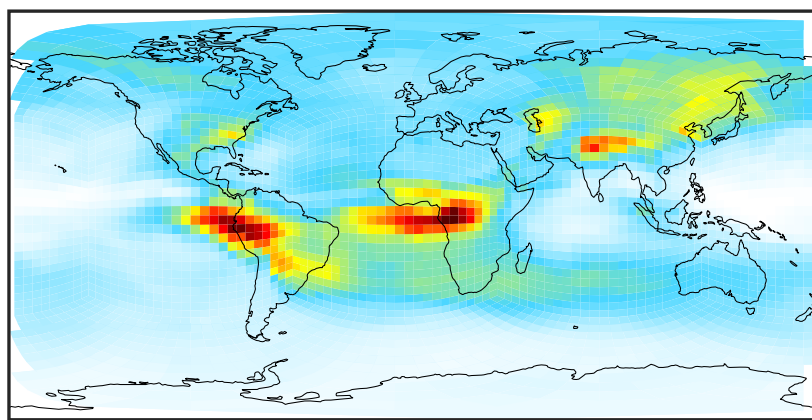
SpeciesConcVV_HCOOH (Jul2019)

GCC_14.2.0 (Ref)
4.0x5.0



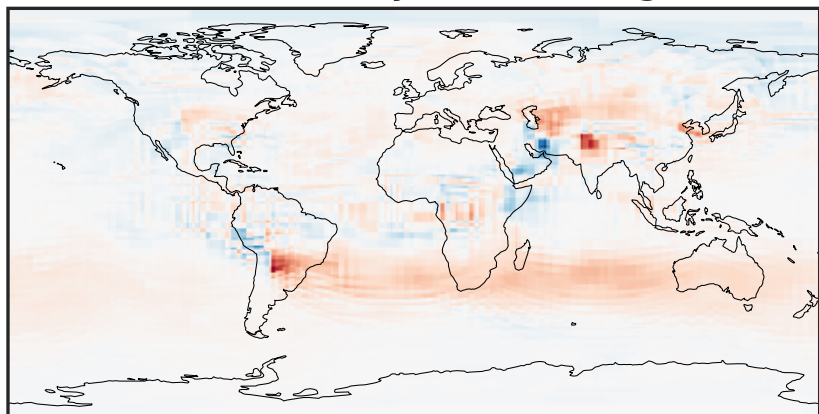
0.0020 0.0669 0.1337 0.2006 0.2695
ppb

GCHP_14.2.0 (Dev)
c24



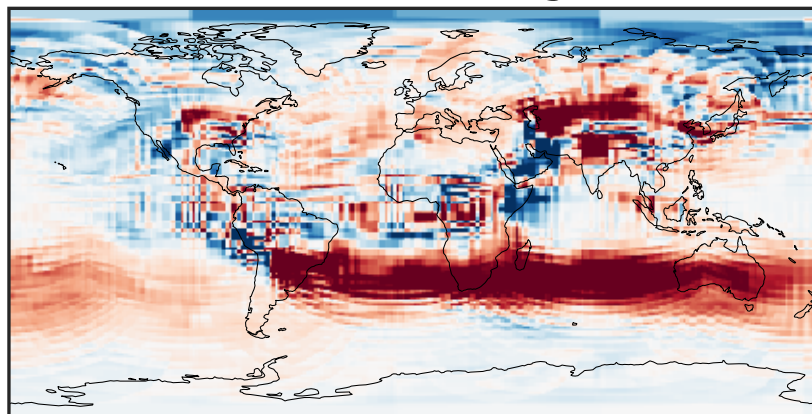
0.0020 0.0669 0.1337 0.2006 0.2695
ppb

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



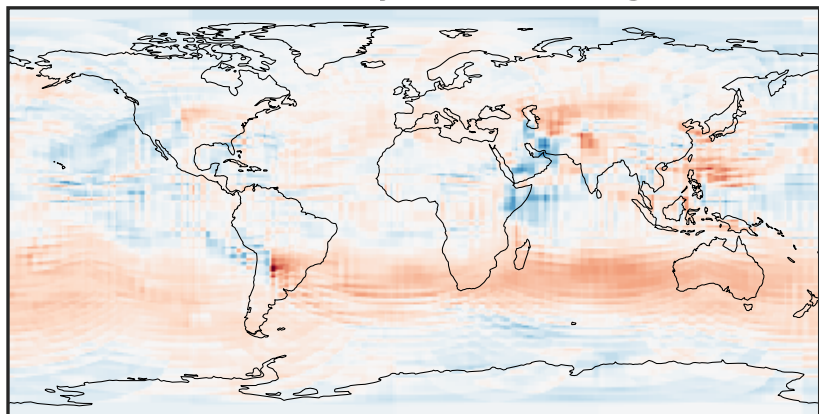
-0.0992 -0.0496 0.0000 0.0496 0.0992
ppb

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



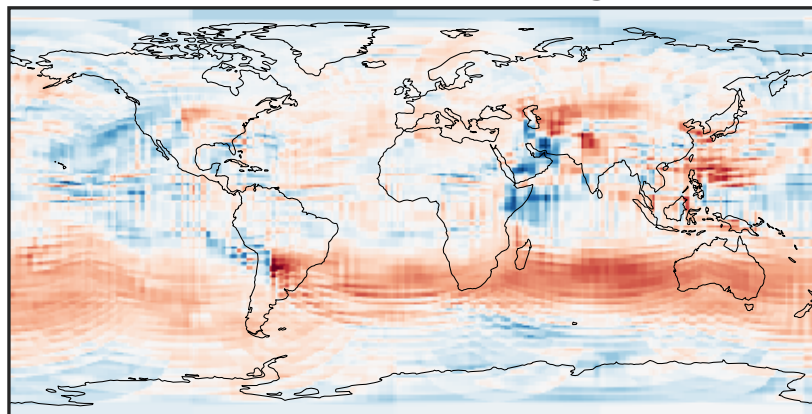
-0.01 0.00 0.01
ppb

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



0.336 0.668 1.000 1.988 2.975
unitless

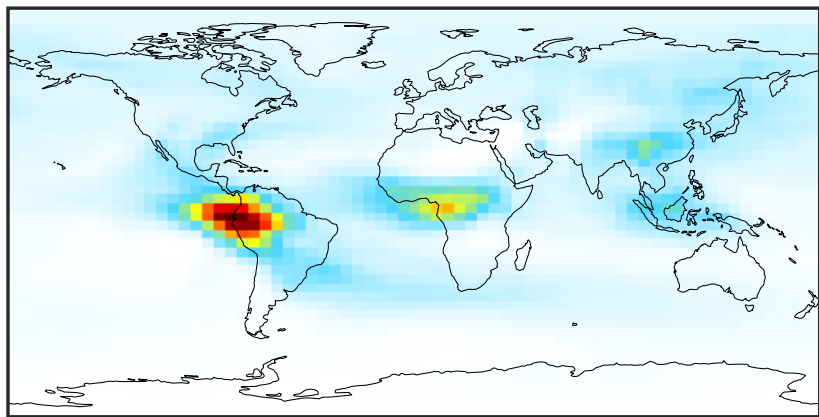
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

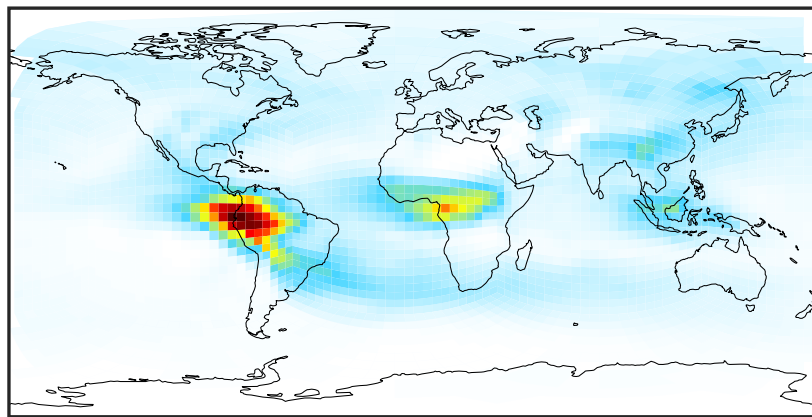
SpeciesConcVV_MAP (Jul2019)

GCC_14.2.0 (Ref)
4.0x5.0



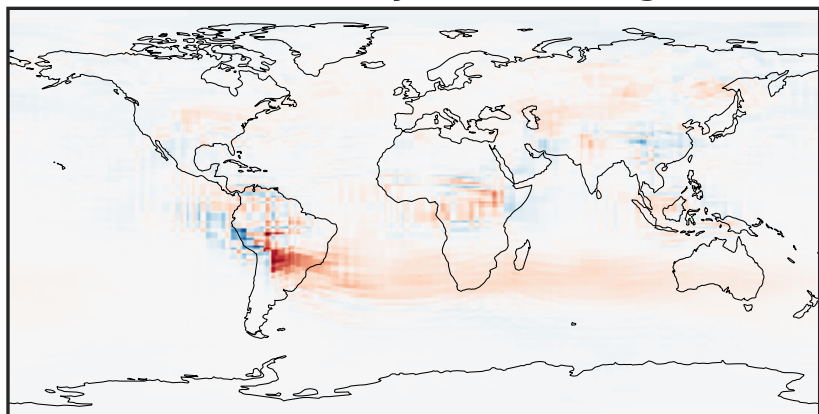
0.0063 0.0883 0.1767 0.2650 0.3596
ppb

GCHP_14.2.0 (Dev)
c24



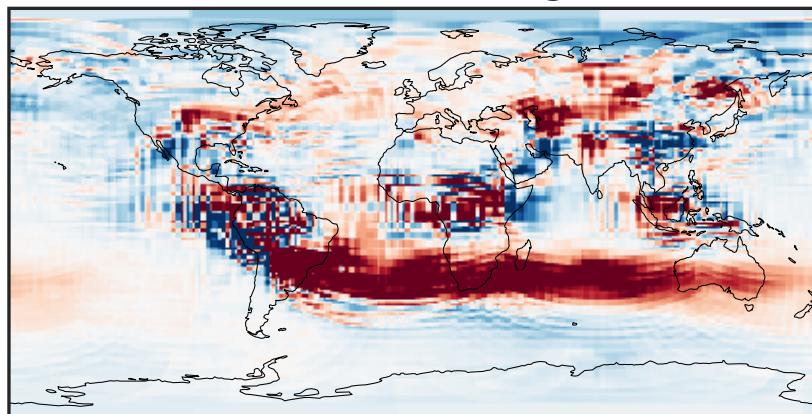
0.0063 0.0883 0.1767 0.2650 0.3596
ppb

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



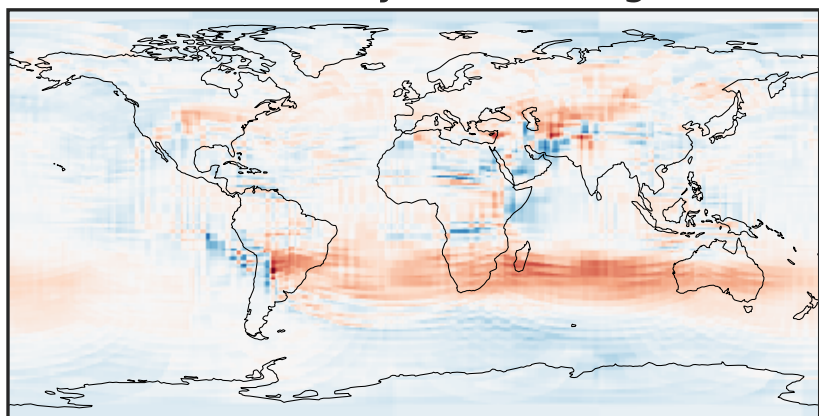
-0.0904 -0.0452 0.0000 0.0452 0.0904
ppb

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



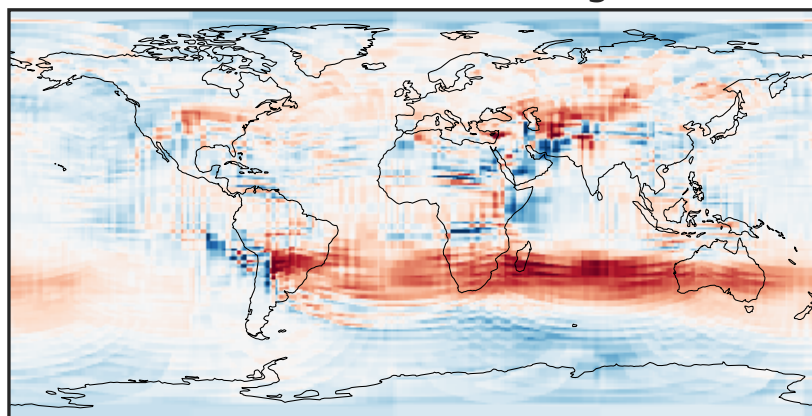
-0.006 0.000 0.006
ppb

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



0.306 0.653 1.000 2.132 3.264
unitless

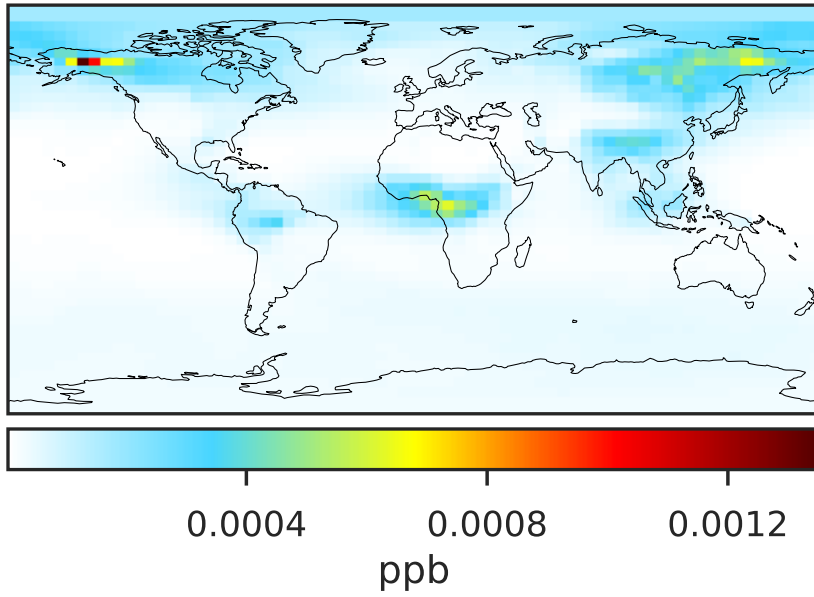
Ratio (1x1.25)
Dev/Ref, Fixed Range



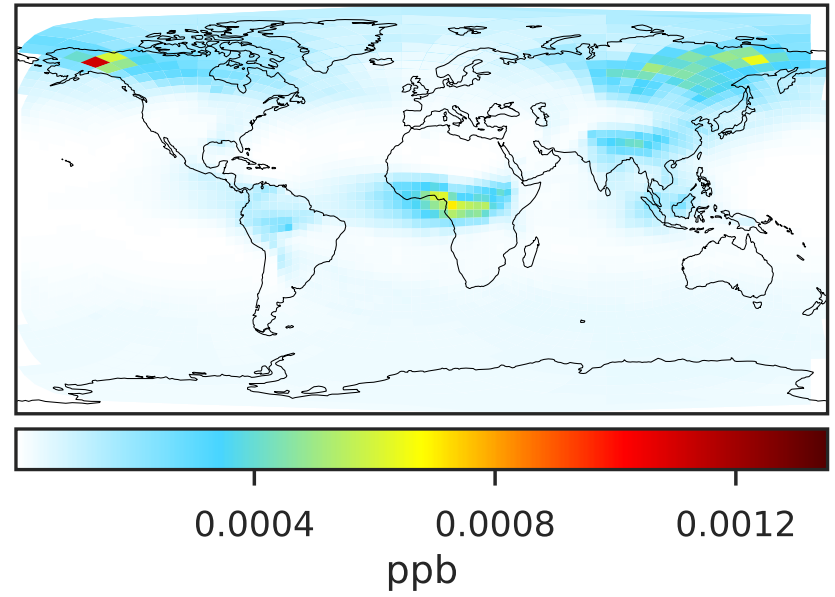
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_PHEN (Jul2019)

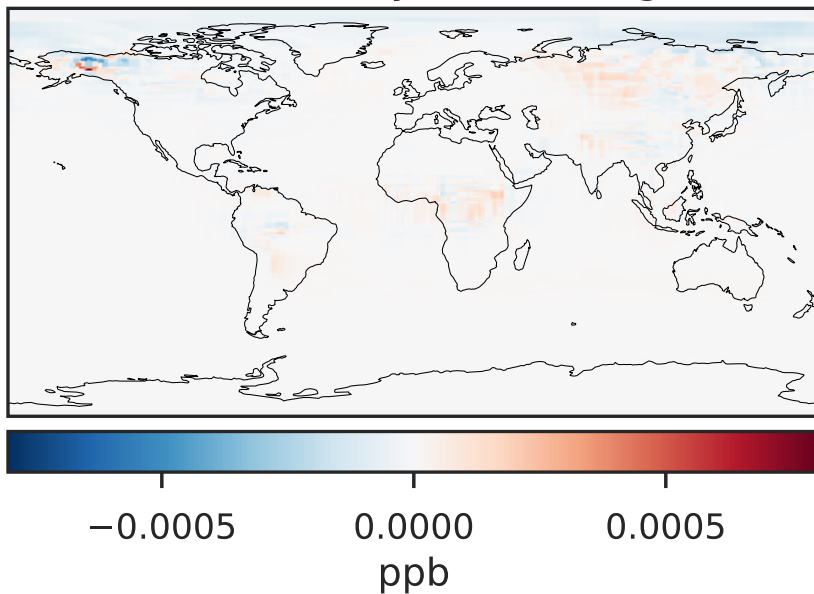
GCC_14.2.0 (Ref)
4.0x5.0



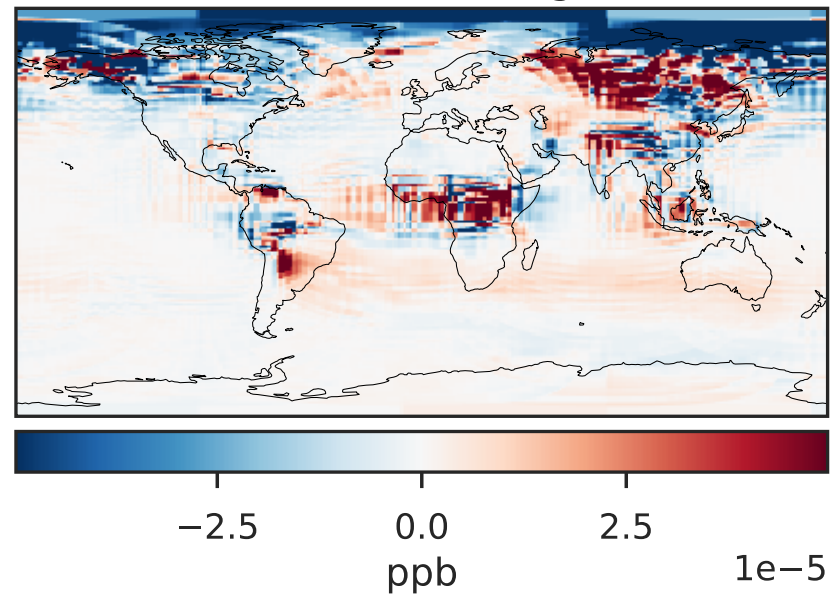
GCHP_14.2.0 (Dev)
c24



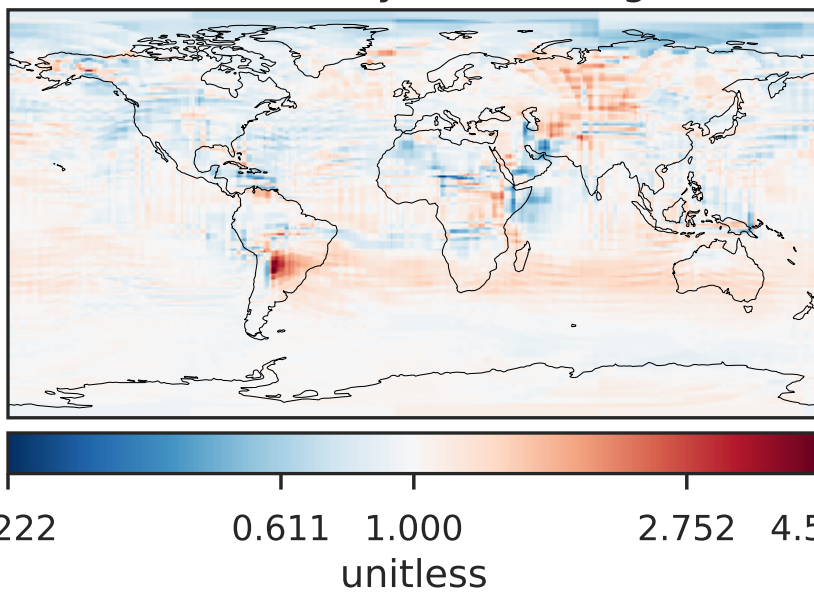
Difference (1x1.25)
Dev - Ref, Dynamic Range



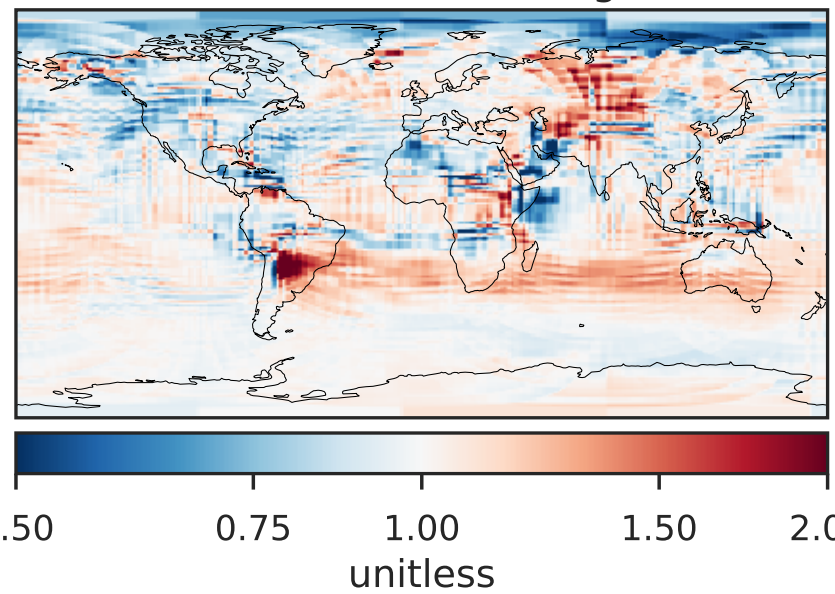
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

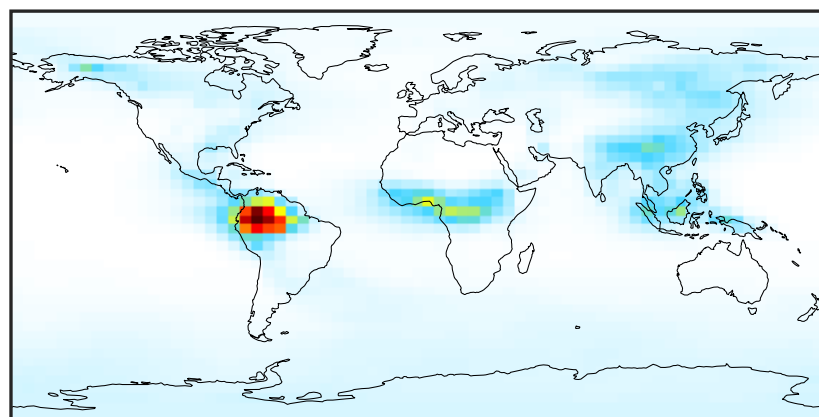


Ratio (1x1.25)
Dev/Ref, Fixed Range



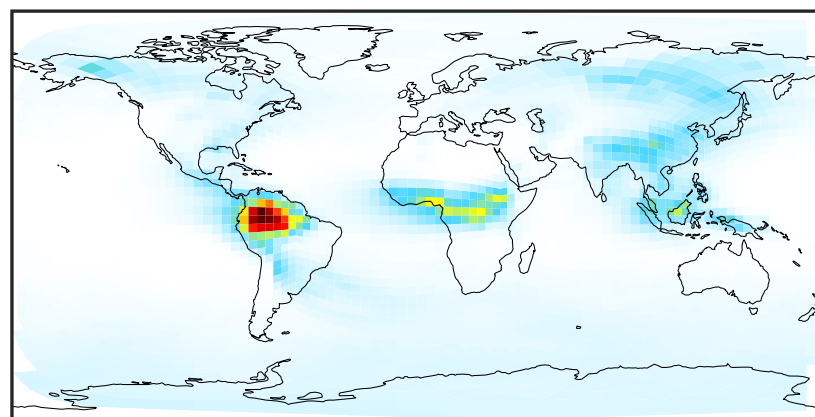
SpeciesConcVV_RCHO (Jul2019)

GCC_14.2.0 (Ref)
4.0x5.0



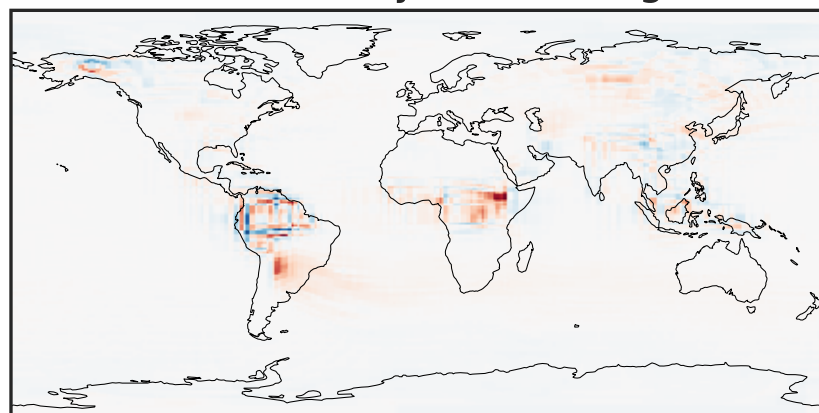
0.015 0.030
ppb

GCHP_14.2.0 (Dev)
c24



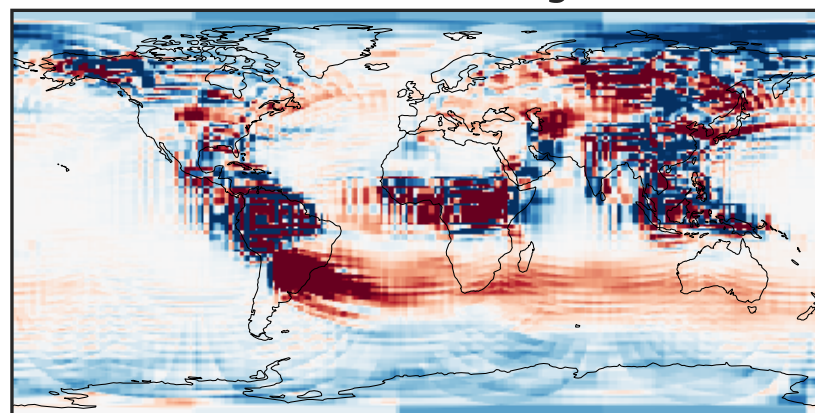
0.015 0.030
ppb

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



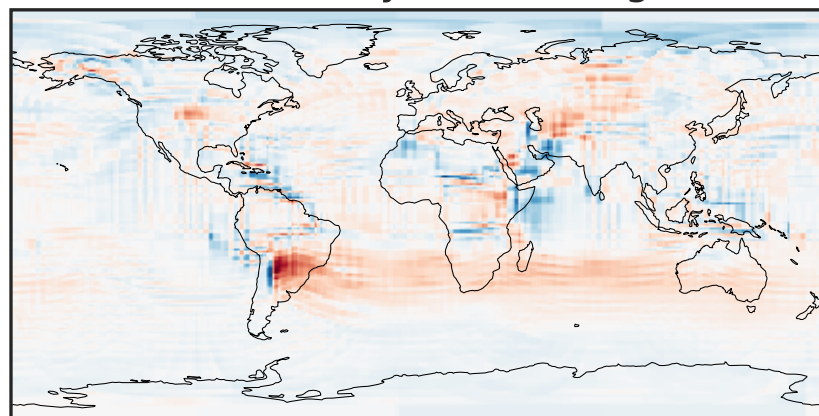
-0.008 0.000 0.008
ppb

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



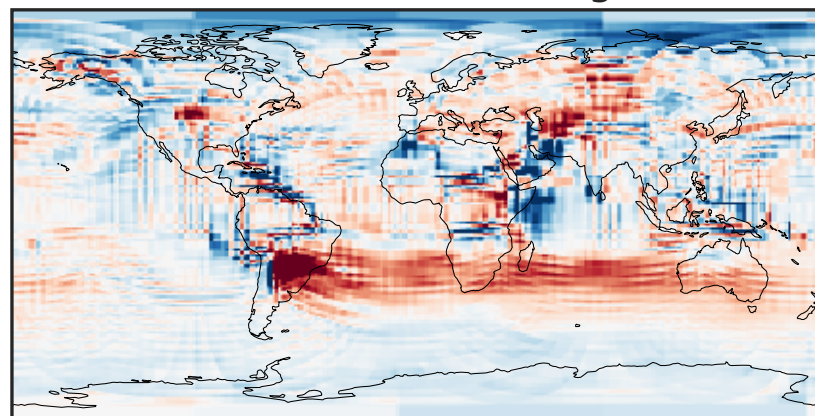
-0.0003 0.0000 0.0003
ppb

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



0.168 0.584 1.000 3.473 5.946
unitless

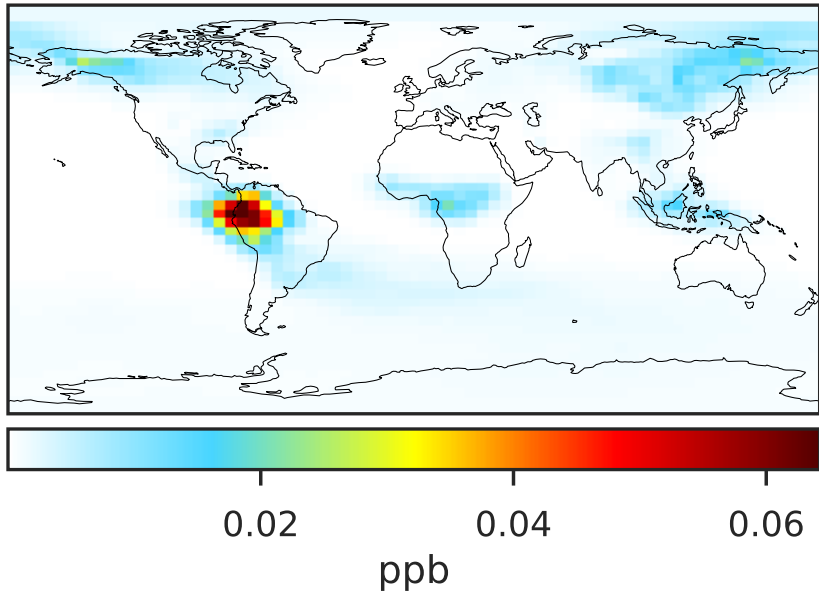
Ratio (1x1.25)
Dev/Ref, Fixed Range



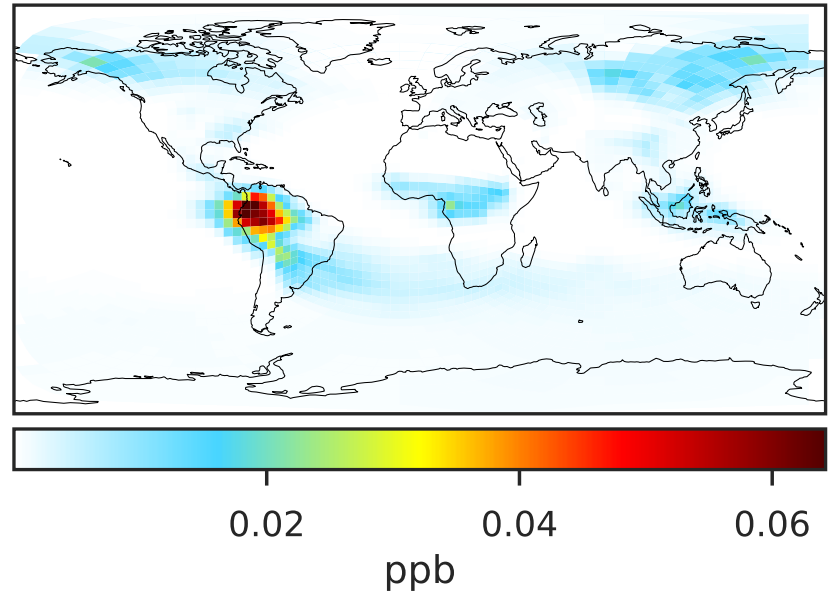
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_ETHP (Jul2019)

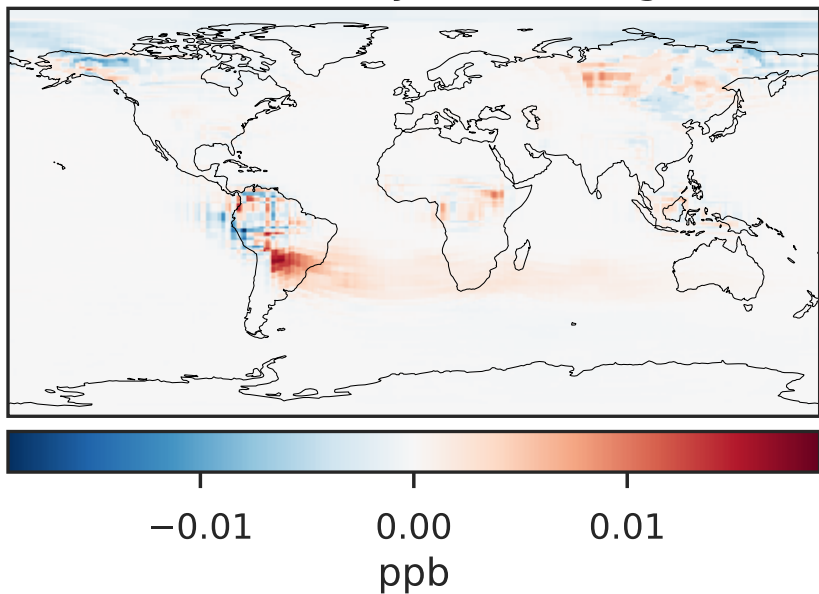
GCC_14.2.0 (Ref)
4.0x5.0



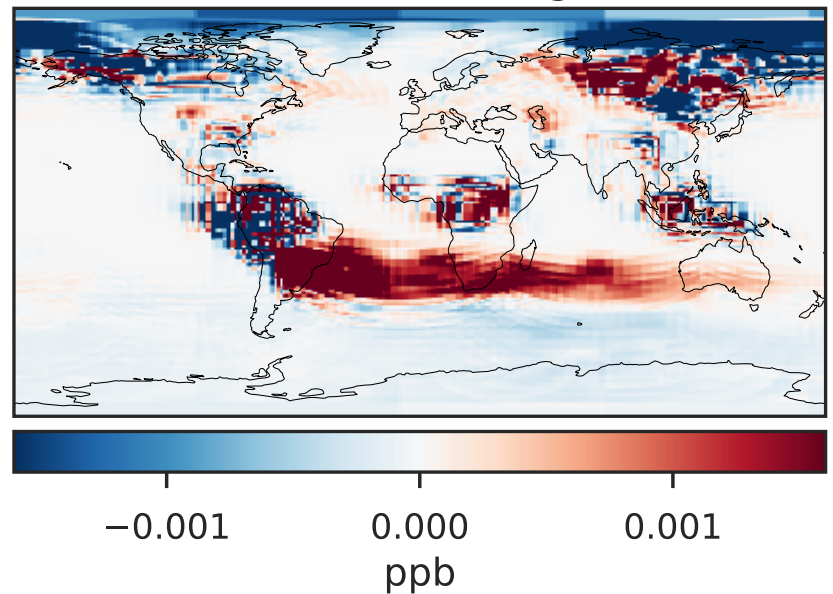
GCHP_14.2.0 (Dev)
c24



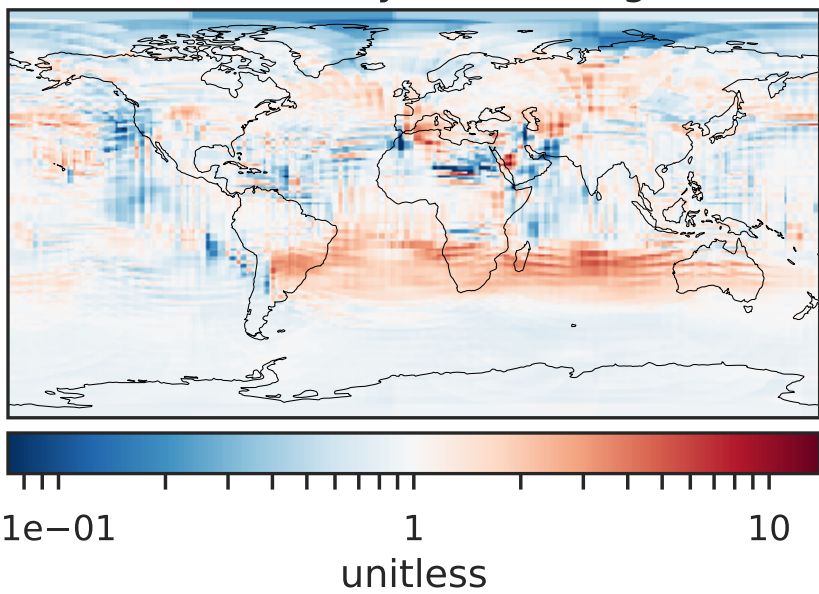
Difference (1x1.25)
Dev - Ref, Dynamic Range



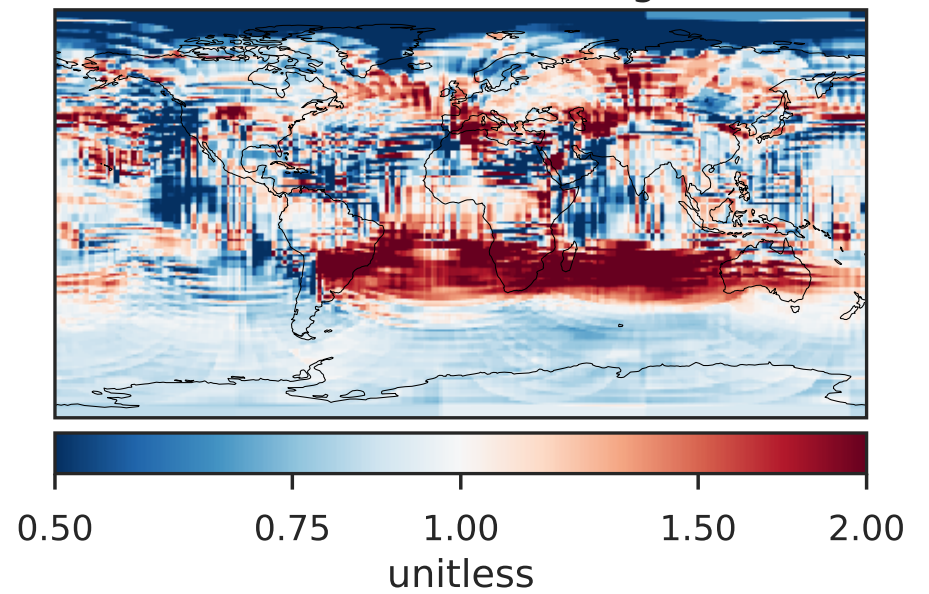
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

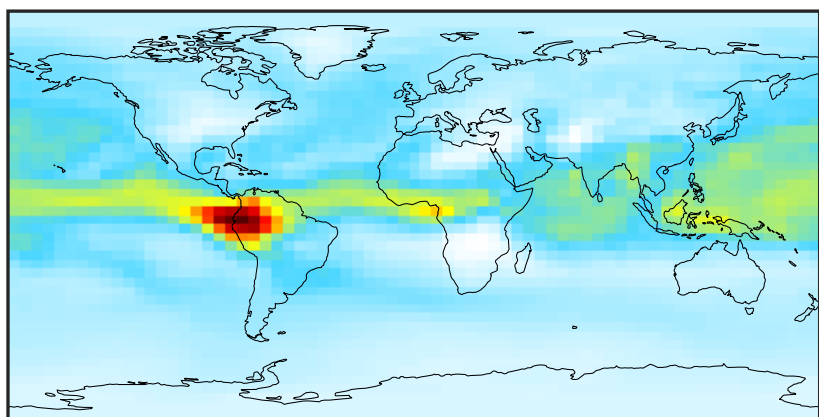


Ratio (1x1.25)
Dev/Ref, Fixed Range



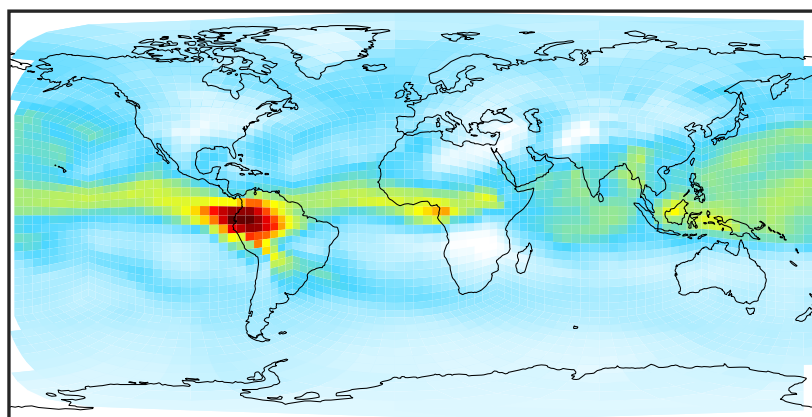
SpeciesConcVV_MP (Jul2019)

GCC_14.2.0 (Ref)
4.0x5.0



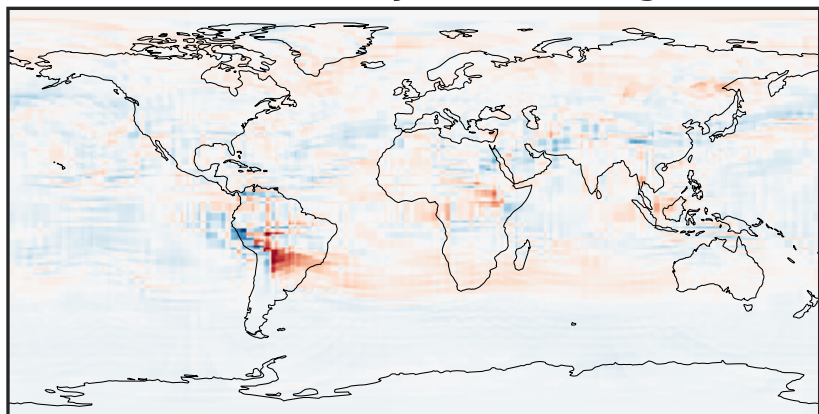
0.090 0.251 0.502 0.753 1.094
ppb

GCHP_14.2.0 (Dev)
c24



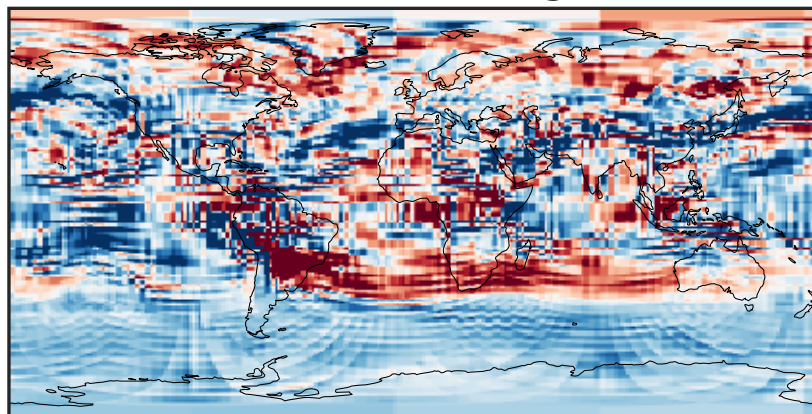
0.090 0.251 0.502 0.753 1.094
ppb

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



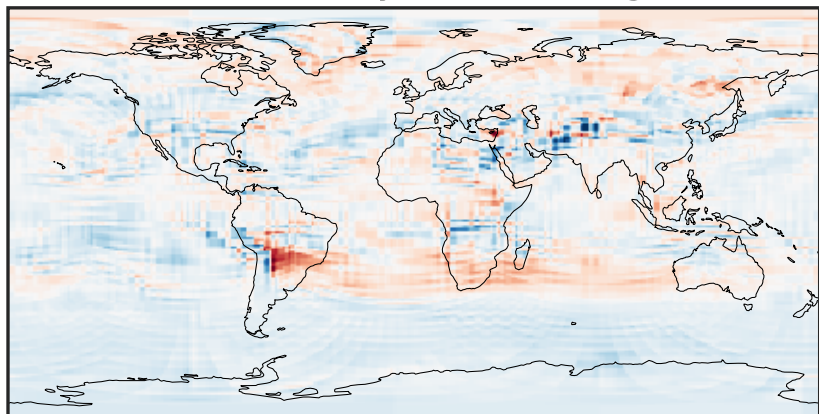
-0.2186 -0.1093 0.0000 0.1093 0.2186
ppb

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



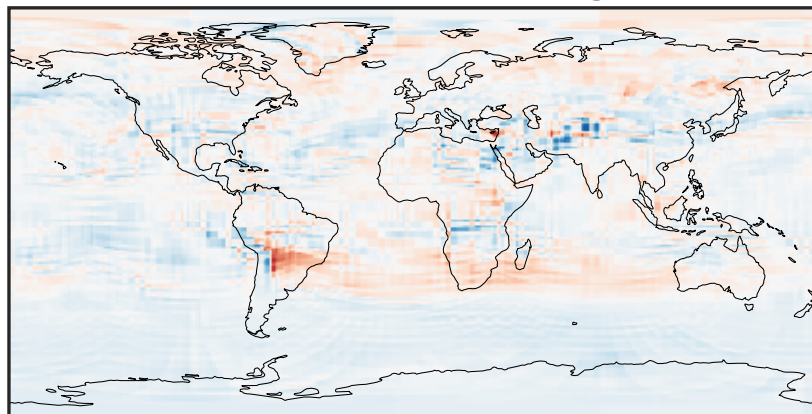
-0.015 0.000 0.015
ppb

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



0.593 0.797 1.000 1.343 1.685
unitless

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



0.50 0.75 1.00 1.50 2.00
unitless