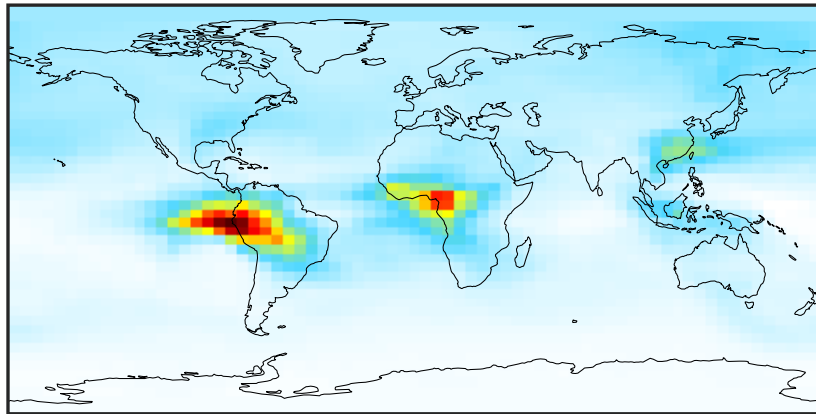


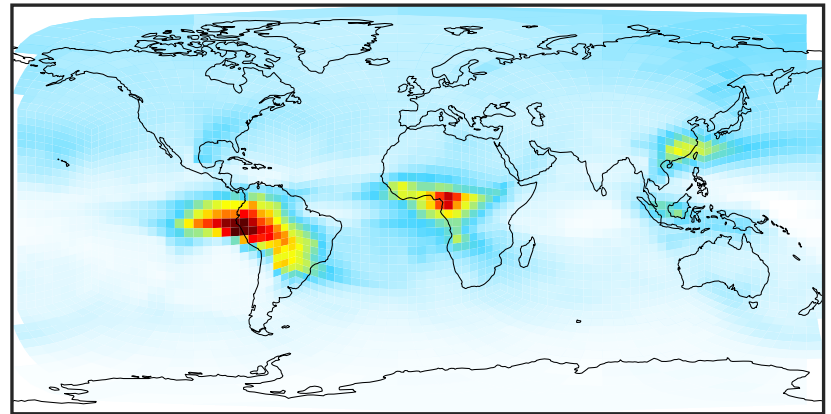
SpeciesConcVV_ACTA (Apr2019)

GCC_14.2.0 (Ref)
4.0x5.0



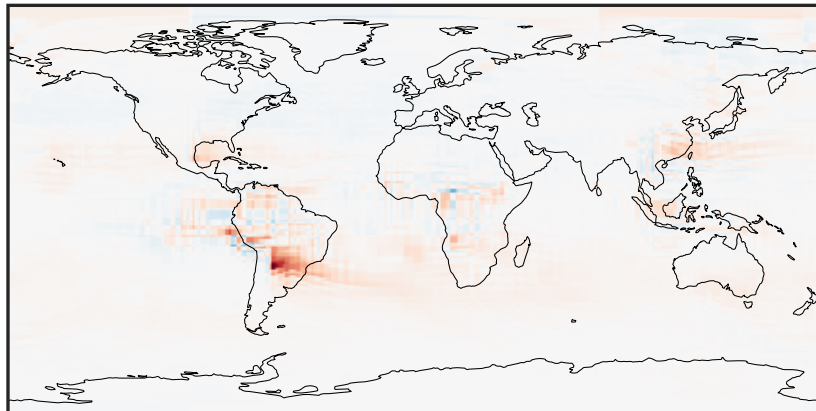
0.0062 0.0612 0.1224 0.1836 0.2510
ppb

GCHP_14.2.0 (Dev)
c24



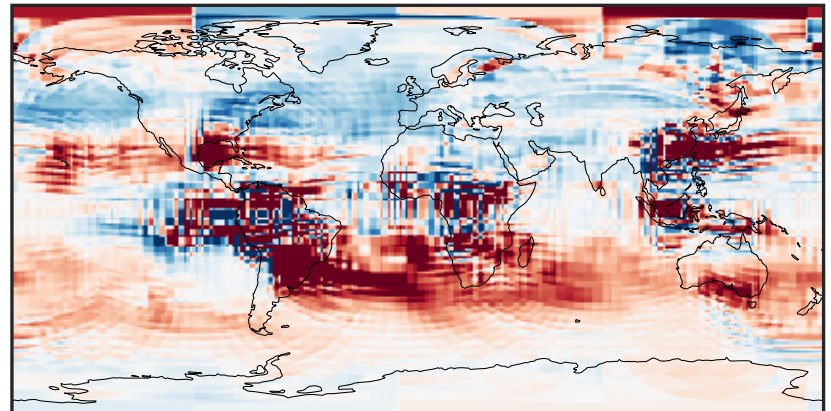
0.0062 0.0612 0.1224 0.1836 0.2510
ppb

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



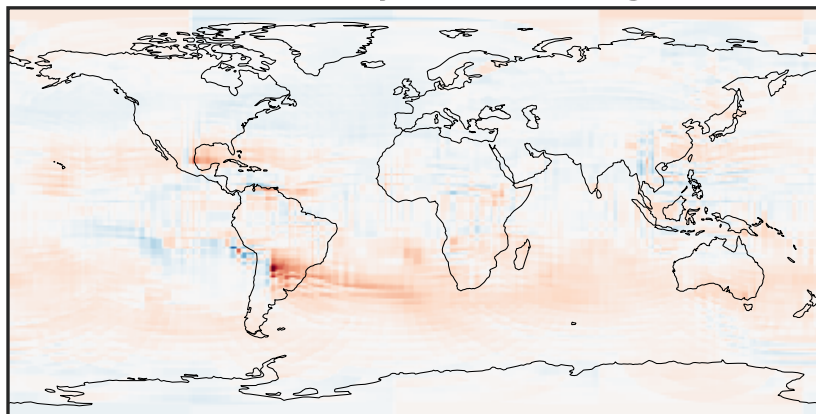
-0.1044 -0.0522 0.0000 0.0522 0.1044
ppb

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



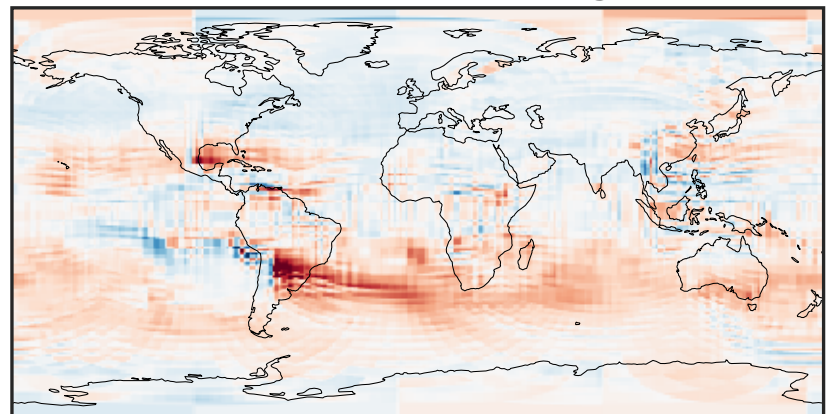
-0.004 0.000 0.004
ppb

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



0.236 0.618 1.000 2.621 4.242
unitless

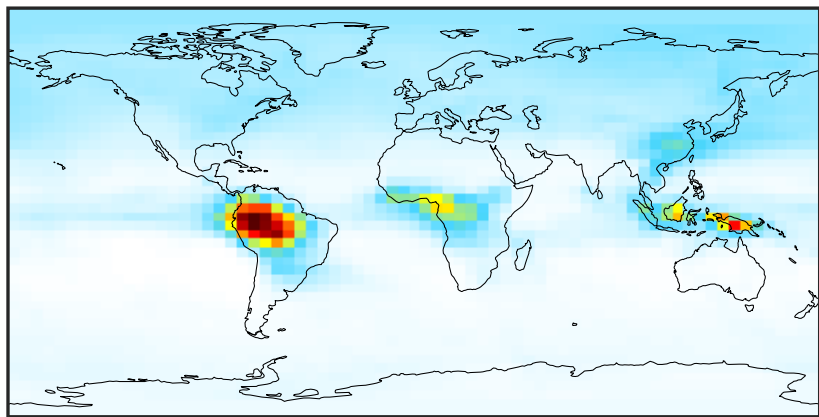
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

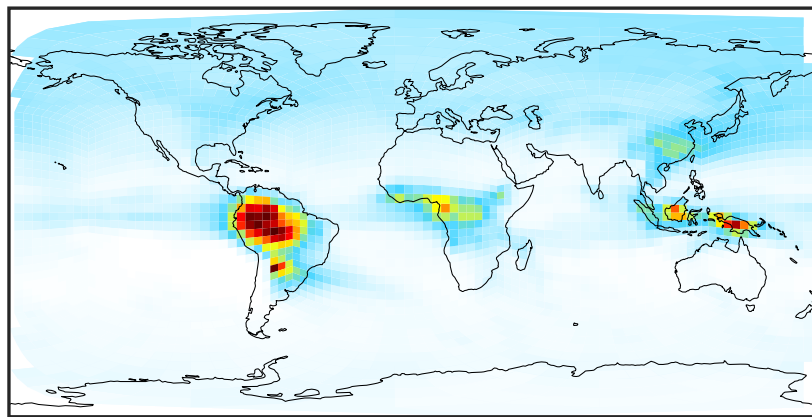
SpeciesConcVW_ALD2 (Apr2019)

GCC_14.2.0 (Ref)
4.0x5.0



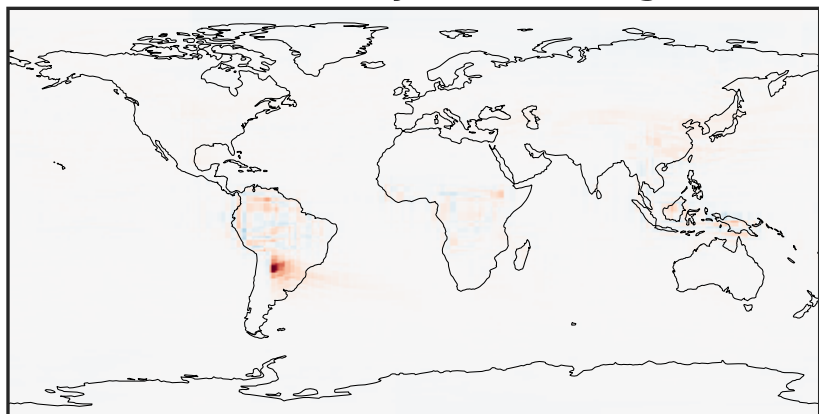
0.0010 0.0349 0.0698 0.1047 0.1406
ppb

GCHP_14.2.0 (Dev)
c24



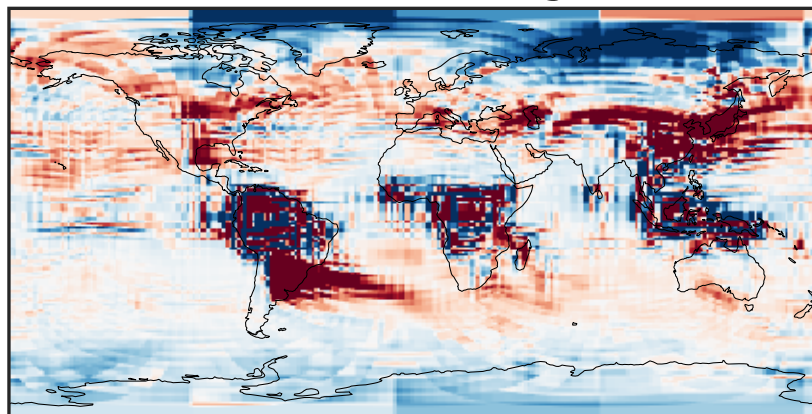
0.0010 0.0349 0.0698 0.1047 0.1406
ppb

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



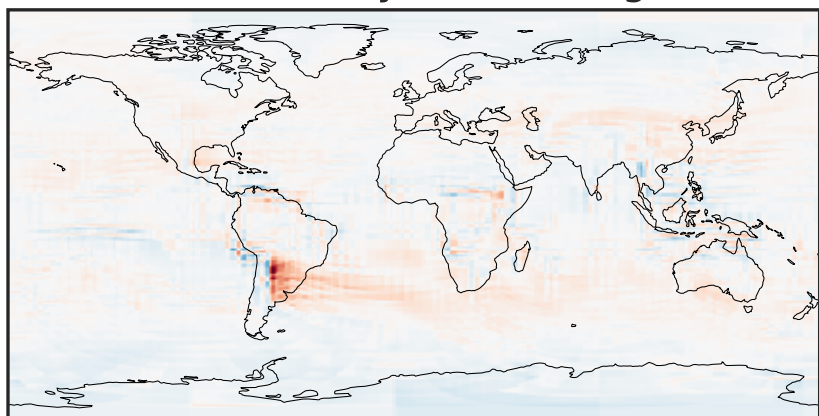
-0.1245 -0.0622 0.0000 0.0622 0.1245
ppb

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



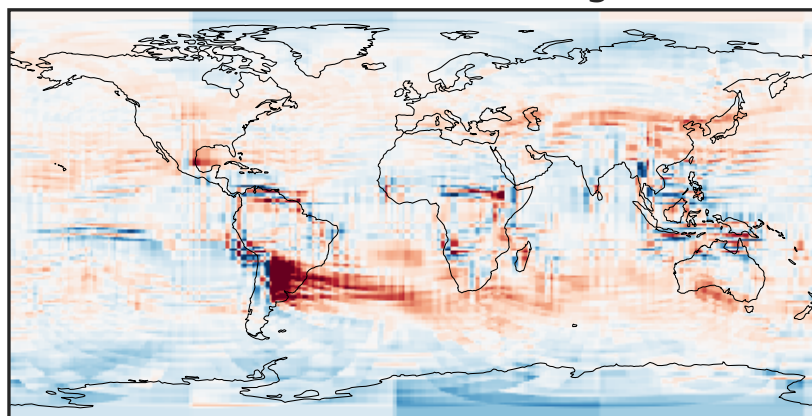
-0.0015 0.0000 0.0015
ppb

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



1e-01 1 10
unitless

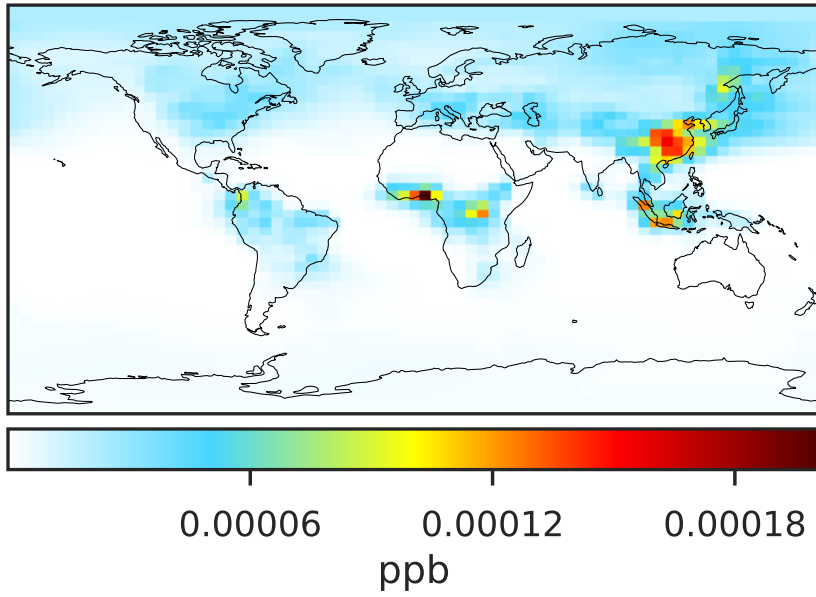
Ratio (1x1.25)
Dev/Ref, Fixed Range



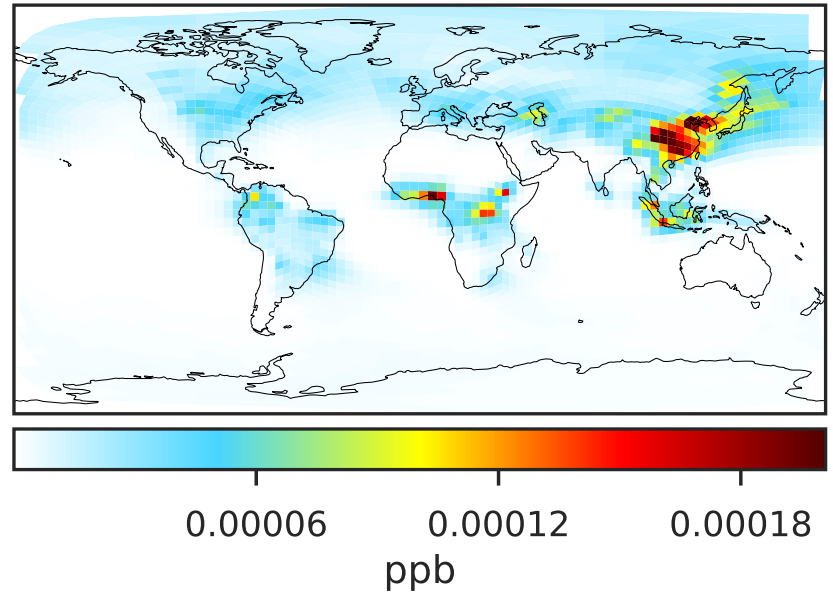
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_BALD (Apr2019)

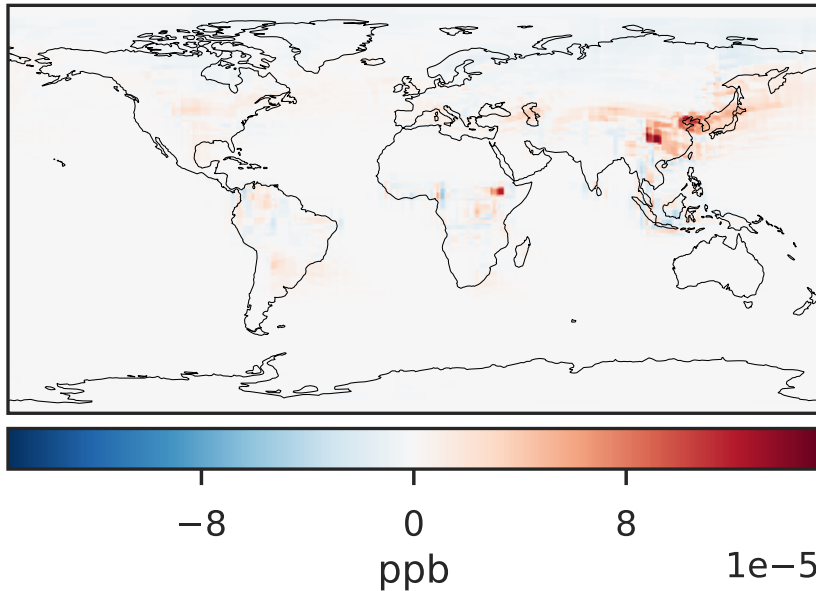
GCC_14.2.0 (Ref)
4.0x5.0



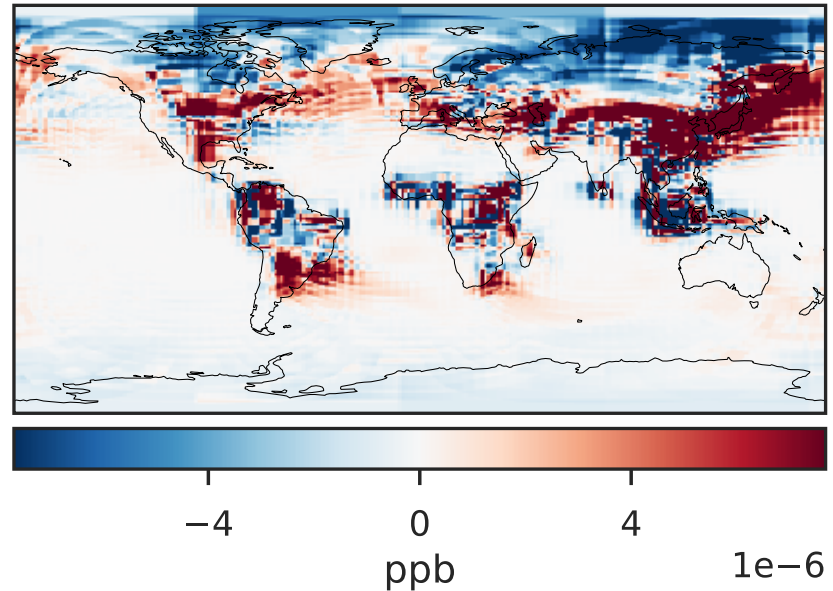
GCHP_14.2.0 (Dev)
c24



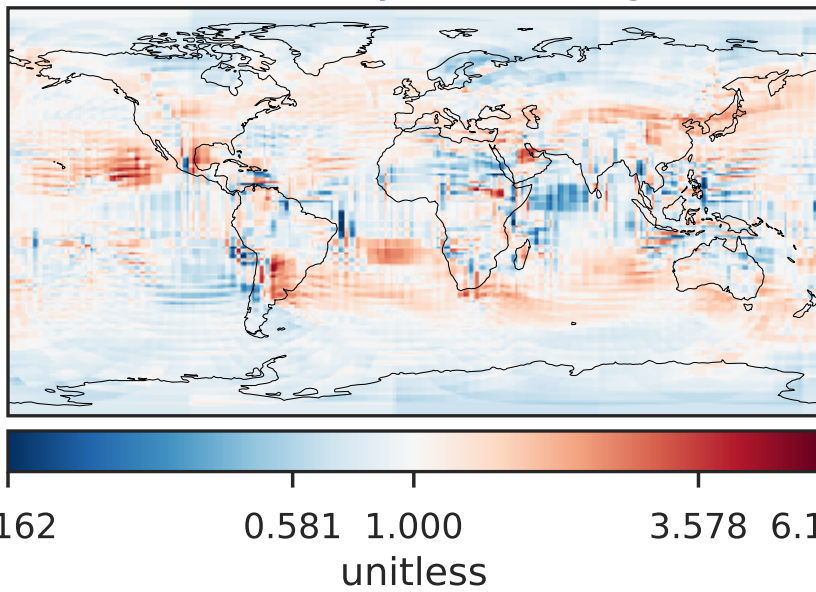
Difference (1x1.25)
Dev - Ref, Dynamic Range



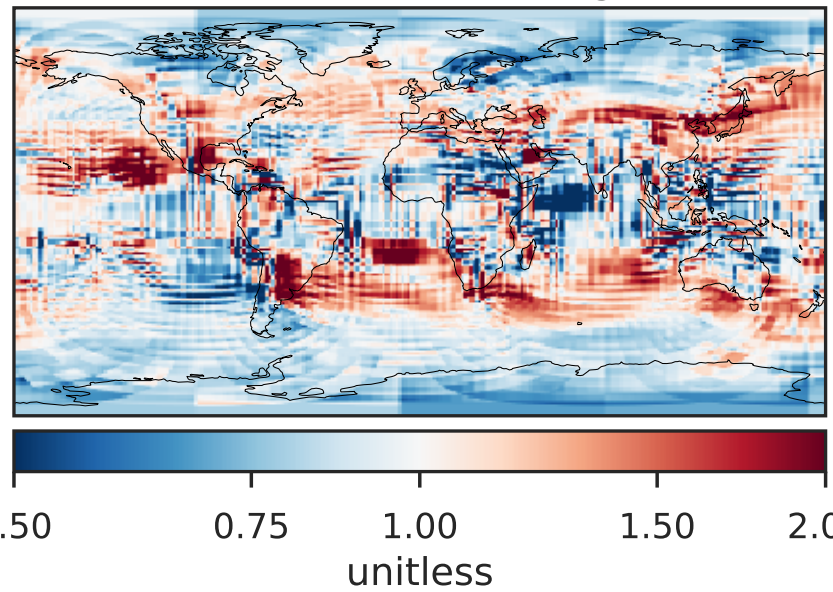
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

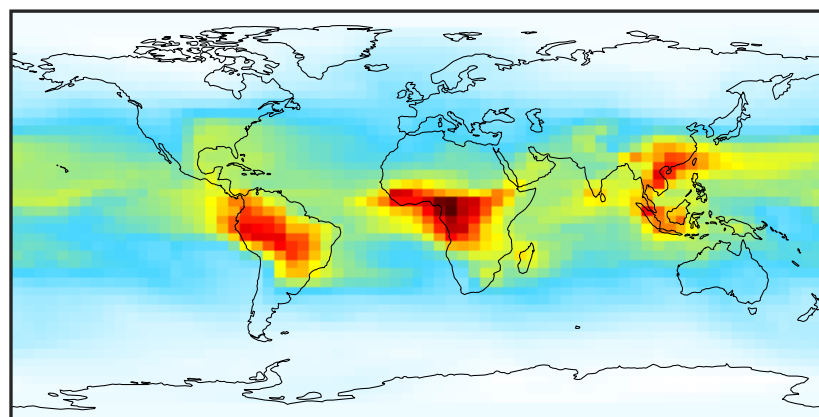


Ratio (1x1.25)
Dev/Ref, Fixed Range



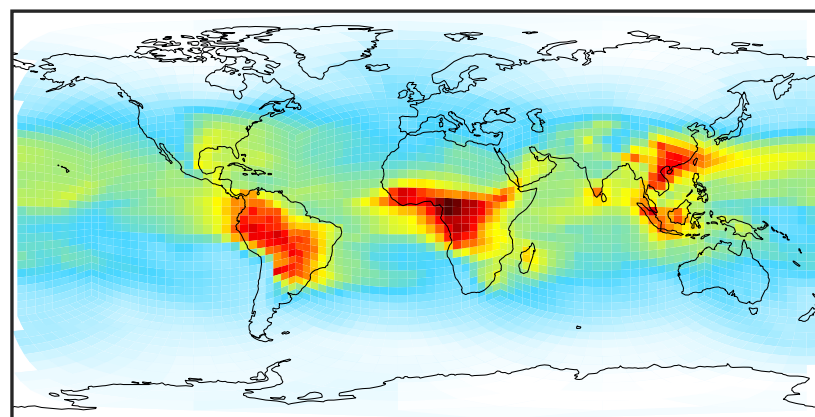
SpeciesConcVV_CH2O (Apr2019)

GCC_14.2.0 (Ref)
4.0x5.0



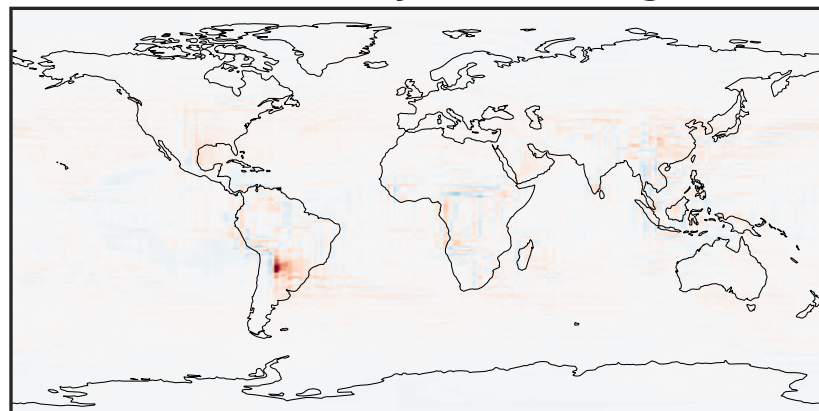
0.0330 0.0932 0.1865 0.2797 0.4060
ppb

GCHP_14.2.0 (Dev)
c24



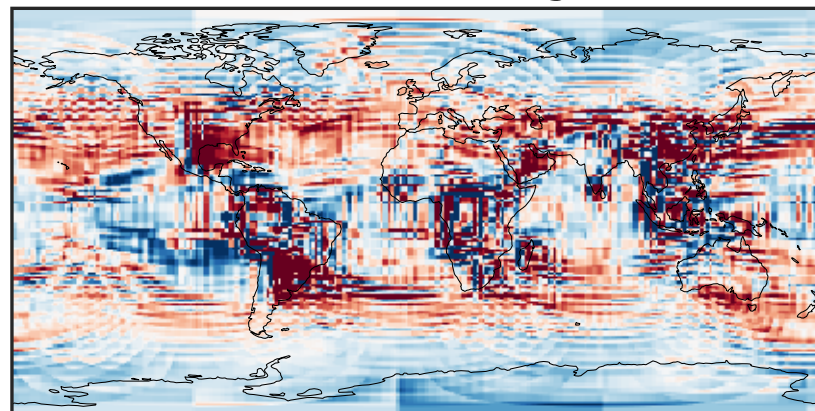
0.0330 0.0932 0.1865 0.2797 0.4060
ppb

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



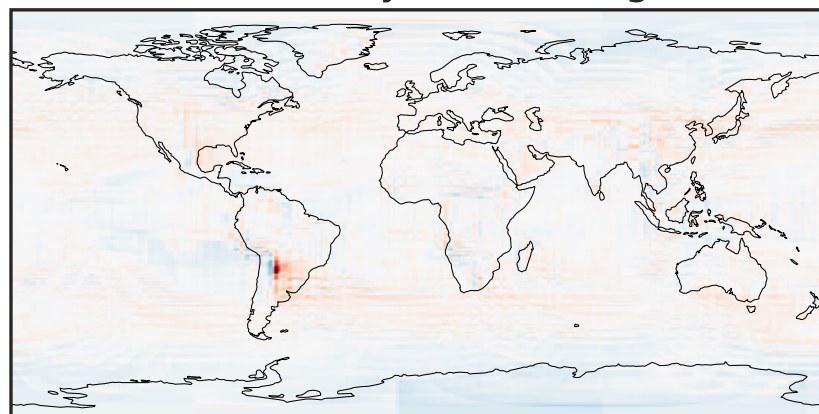
-0.2033 -0.1017 0.0000 0.1017 0.2033
ppb

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



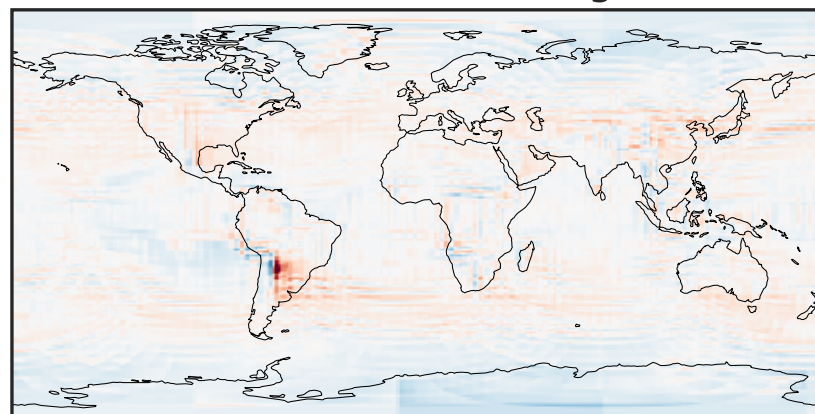
-0.006 0.000 0.006
ppb

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



0.374 0.687 1.000 1.835 2.671
unitless

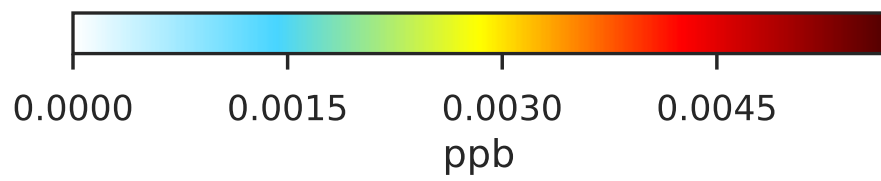
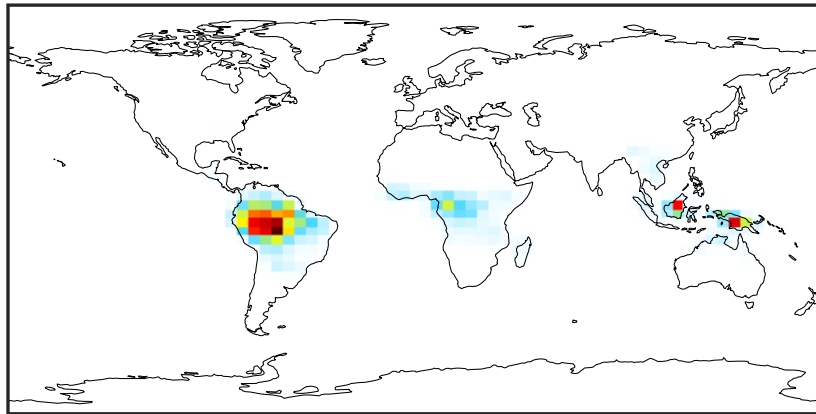
Ratio (1x1.25)
Dev/Ref, Fixed Range



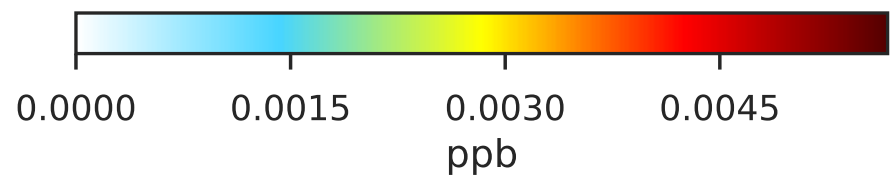
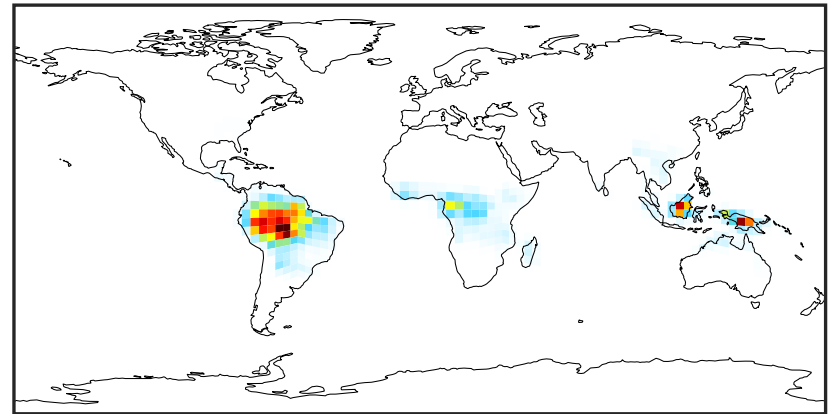
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_HPALDs (Apr2019)

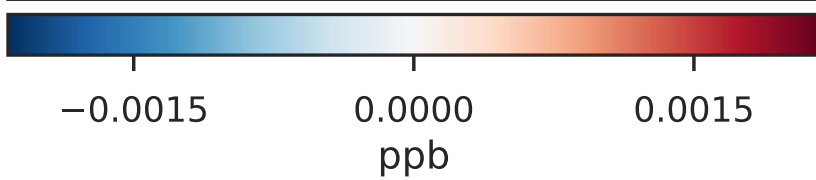
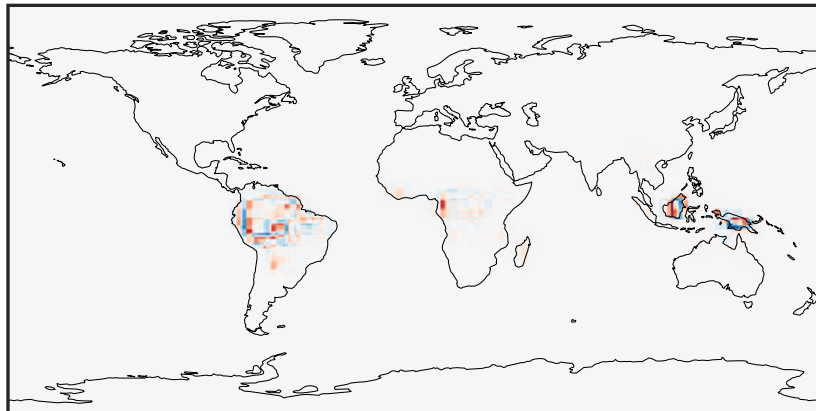
GCC_14.2.0 (Ref)
4.0x5.0



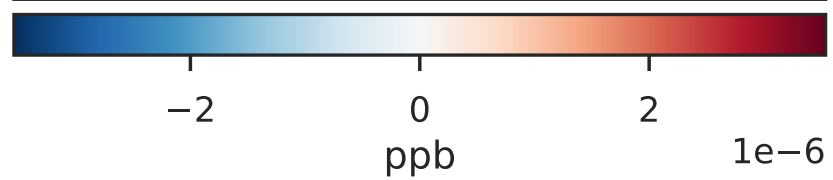
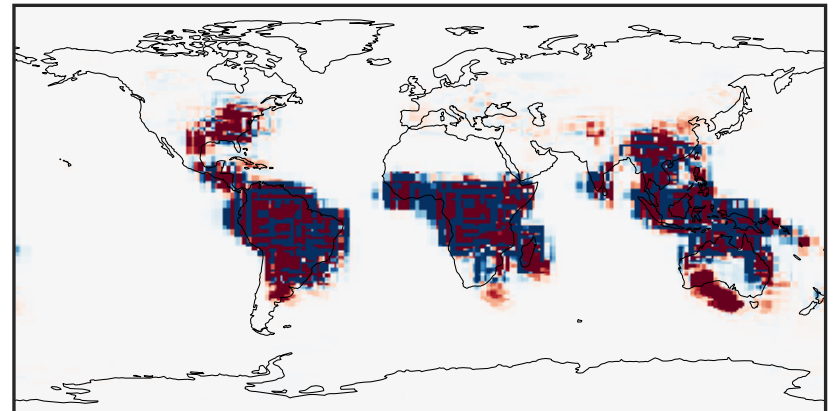
GCHP_14.2.0 (Dev)
c24



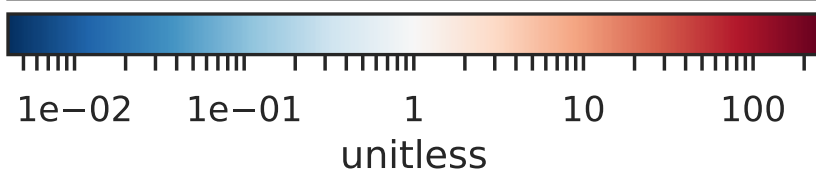
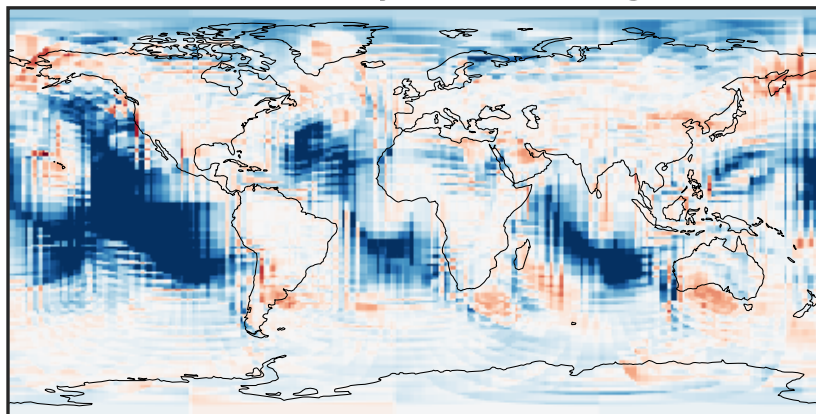
Difference (1x1.25)
Dev - Ref, Dynamic Range



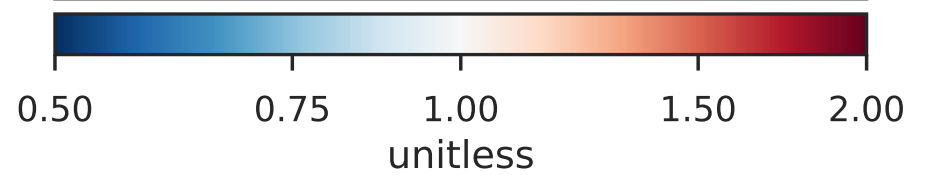
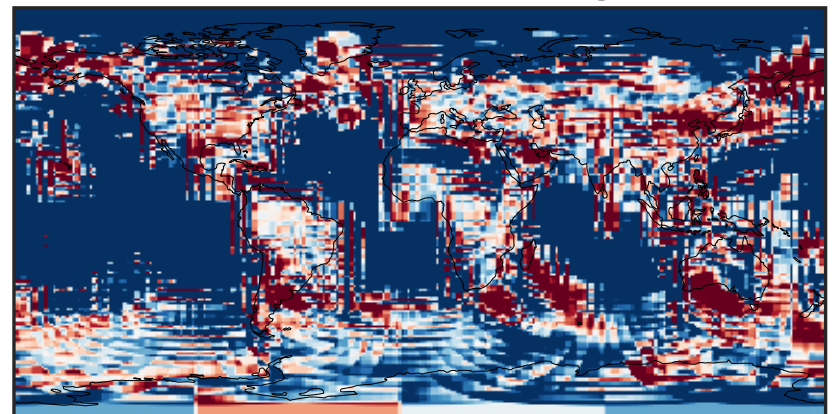
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

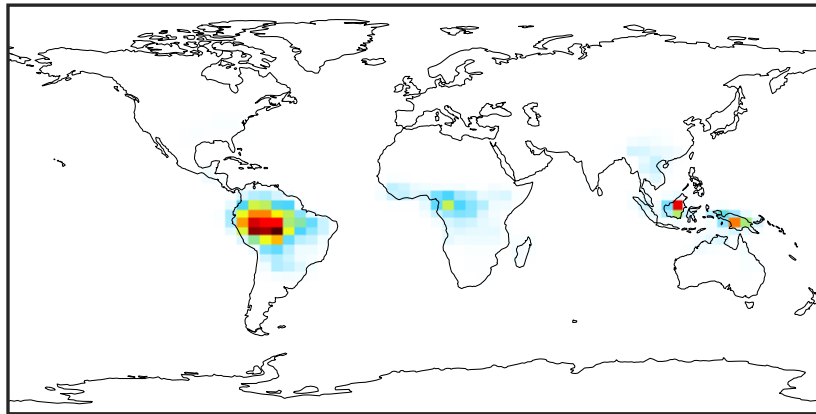


Ratio (1x1.25)
Dev/Ref, Fixed Range



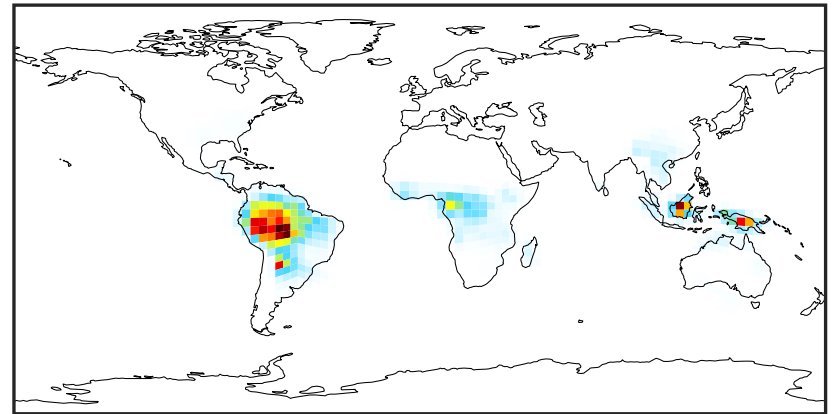
SpeciesConcVV_MACR (Apr2019)

GCC_14.2.0 (Ref)
4.0x5.0



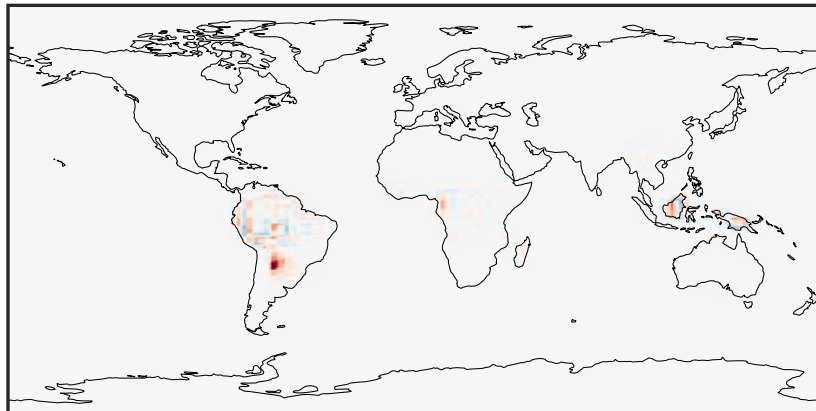
0.000 0.015 0.030 0.045
ppb

GCHP_14.2.0 (Dev)
c24



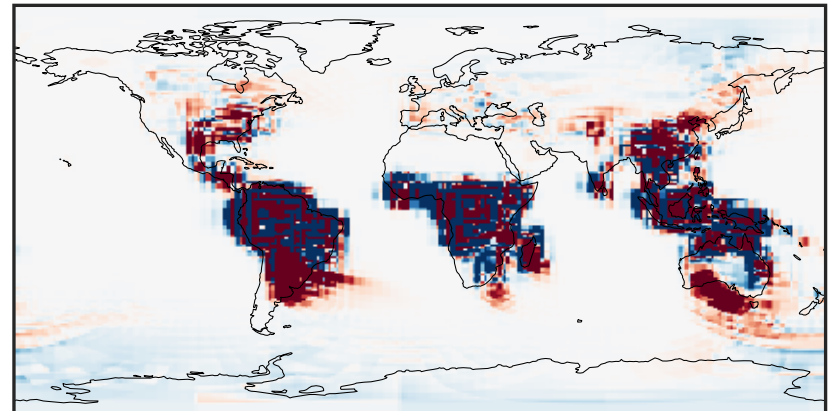
0.000 0.015 0.030 0.045
ppb

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



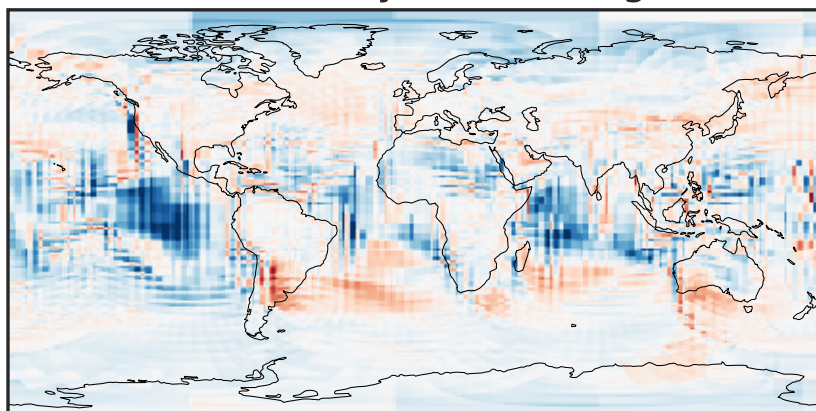
-0.02 0.00 0.02
ppb

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



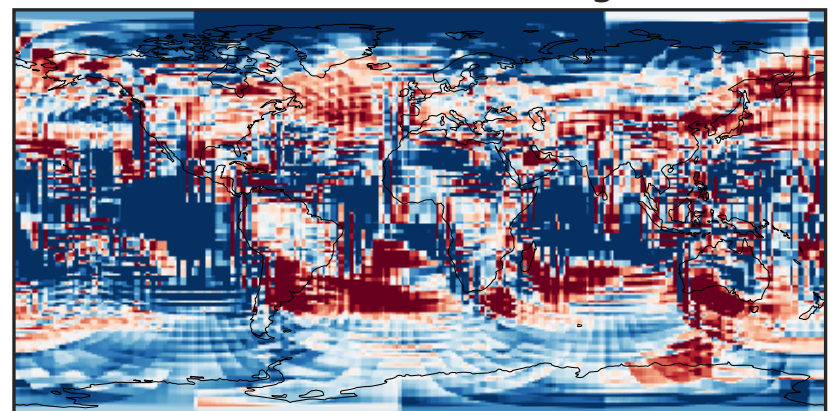
-4 0 4
ppb 1e-5

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



1e-01 1 10
unitless

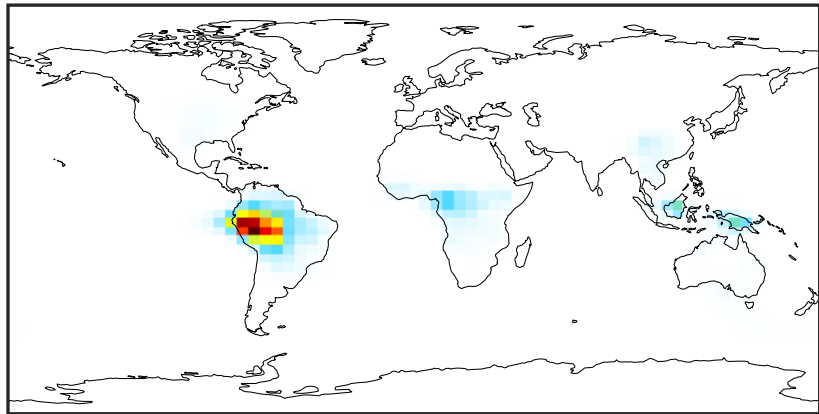
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

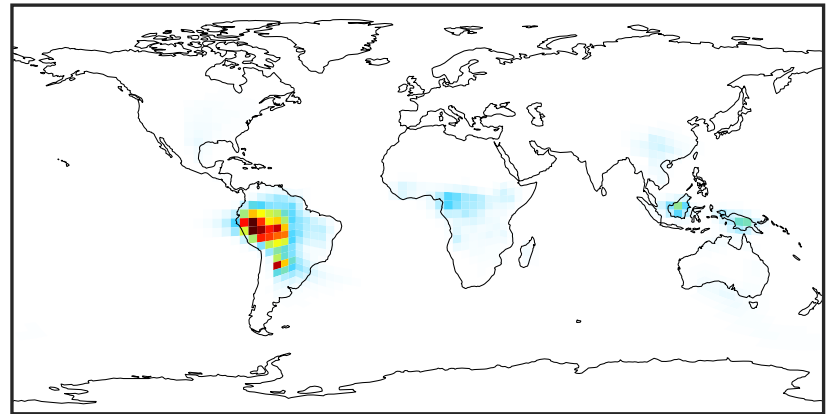
SpeciesConcVV_IEPOX (Apr2019)

GCC_14.2.0 (Ref)
4.0x5.0



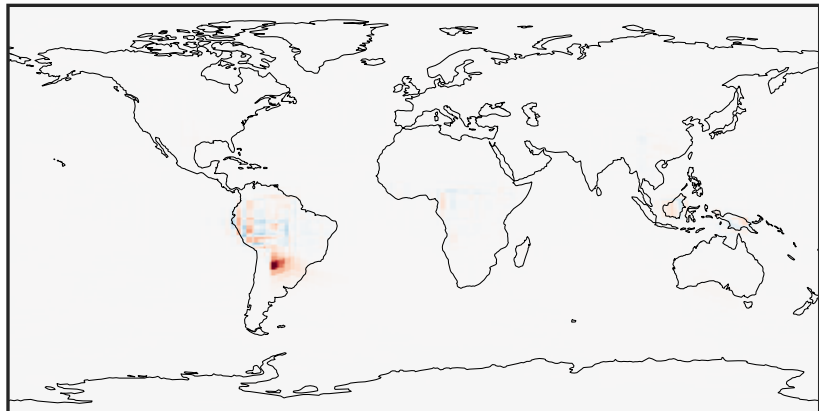
0.0000 0.0261 0.0522 0.0783 0.1044
ppb

GCHP_14.2.0 (Dev)
c24



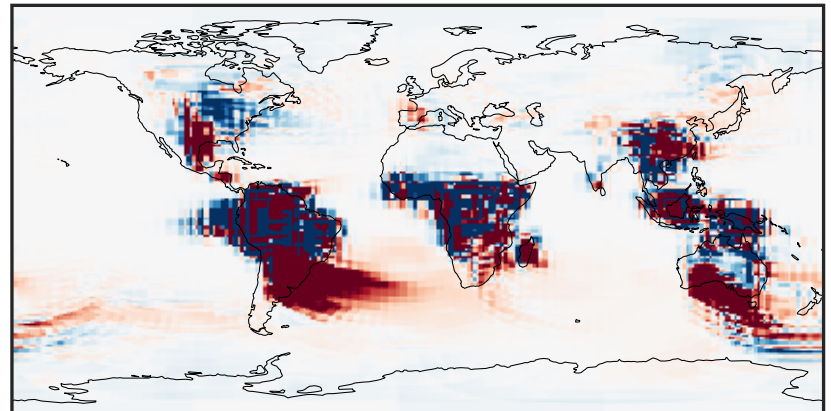
0.0000 0.0261 0.0522 0.0783 0.1044
ppb

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



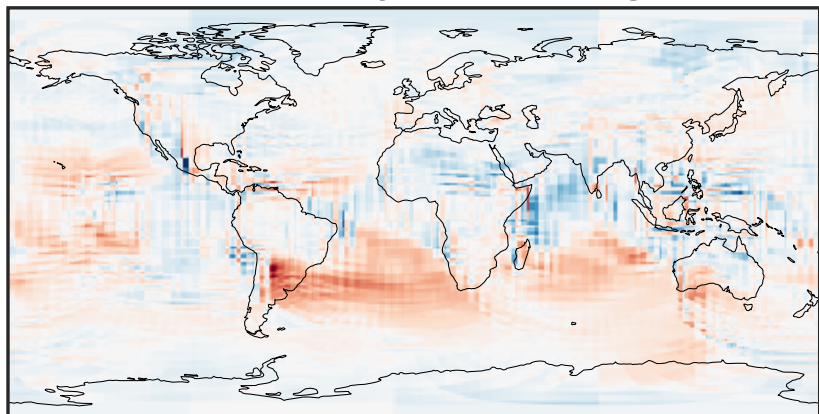
-0.0873 -0.0436 0.0000 0.0436 0.0873
ppb

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



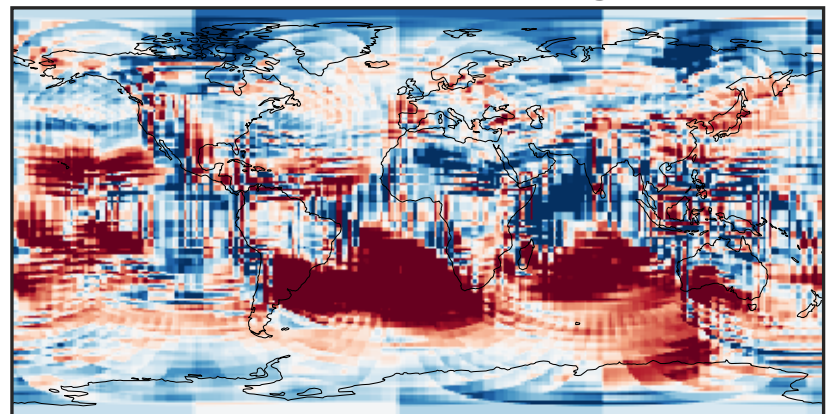
-0.00015 0.00000 0.00015
ppb

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



1e-01 1 10
unitless

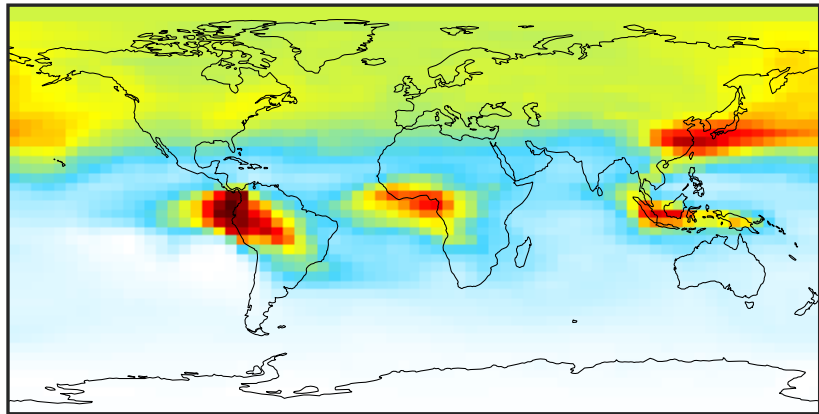
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

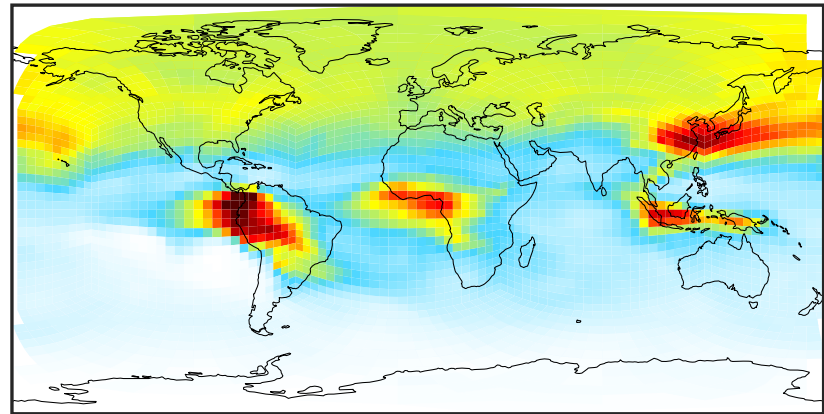
SpeciesConcVV_ACET (Apr2019)

GCC_14.2.0 (Ref)
4.0x5.0



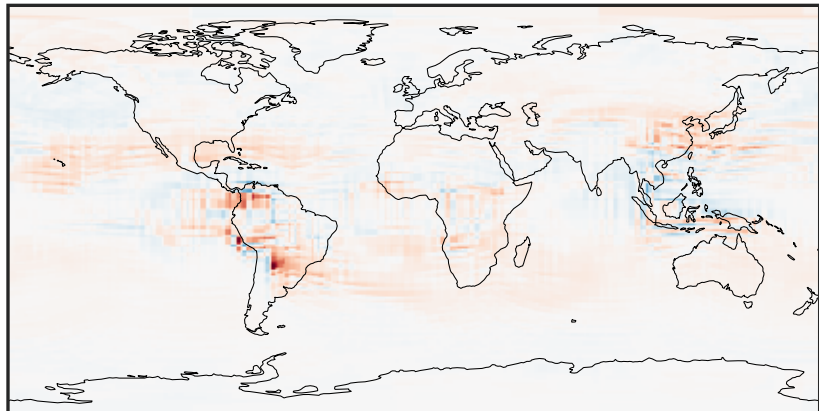
0.248371 0.742 1.112 1.732
ppb

GCHP_14.2.0 (Dev)
c24



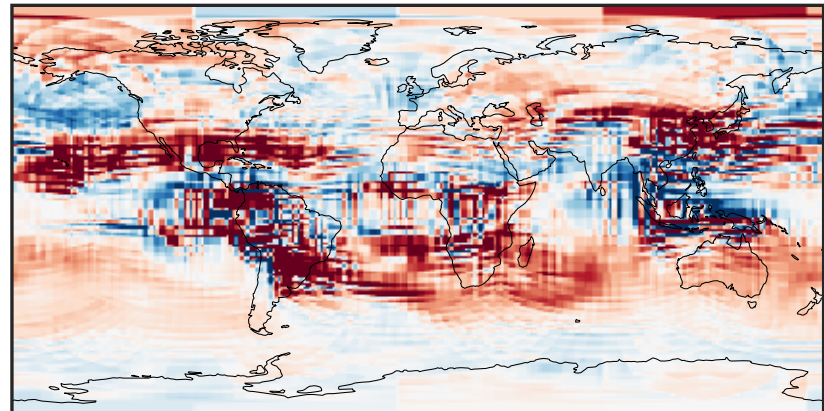
0.248371 0.742 1.112 1.732
ppb

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



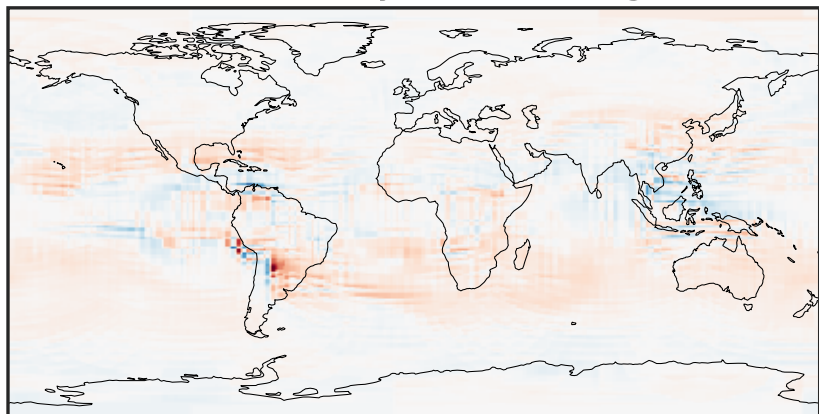
-0.54 -0.27 0.00 0.27 0.54
ppb

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



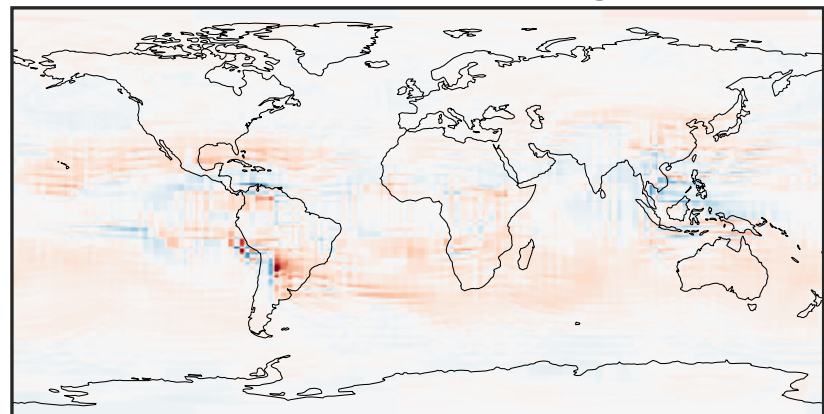
-0.0604 -0.0302 0.0000 0.0302 0.0604
ppb

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



0.490 0.745 1.000 1.520 2.040
unitless

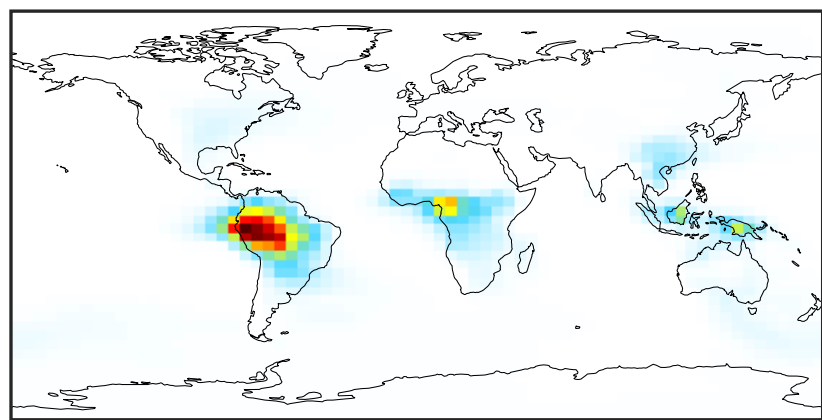
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

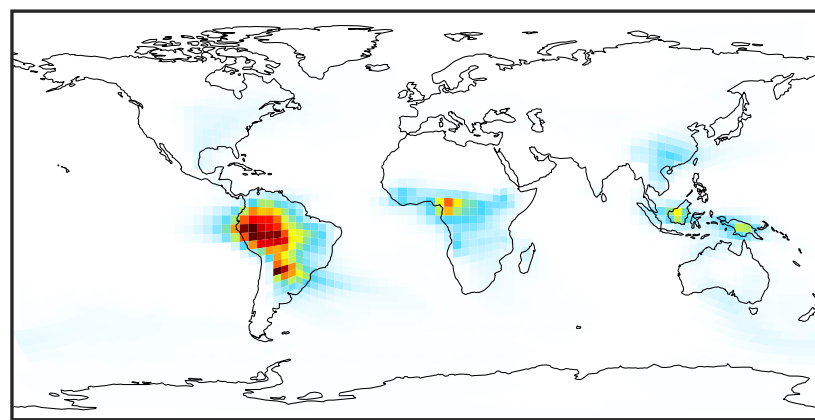
SpeciesConcVV_HAC (Apr2019)

GCC_14.2.0 (Ref)
4.0x5.0



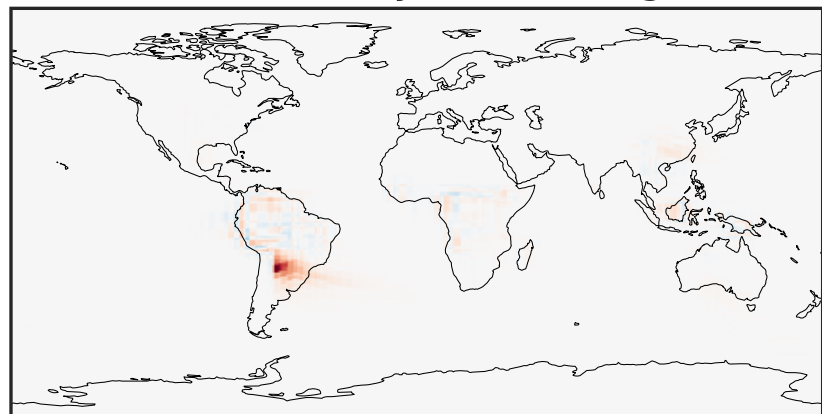
0.0002 0.0422 0.0844 0.1267 0.1690
ppb

GCHP_14.2.0 (Dev)
c24



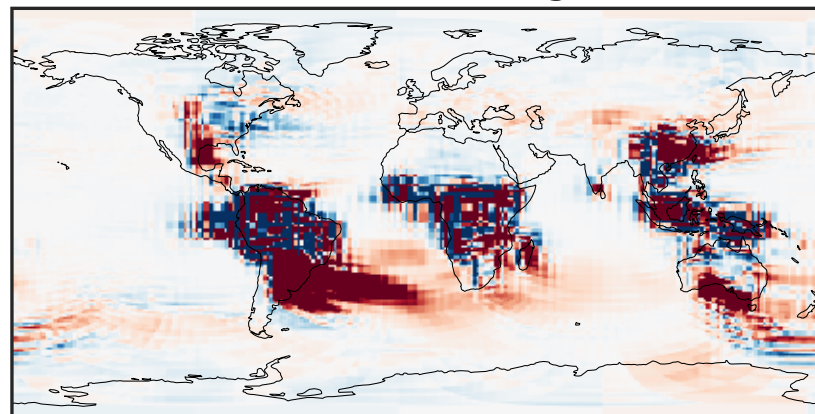
0.0002 0.0422 0.0844 0.1267 0.1690
ppb

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



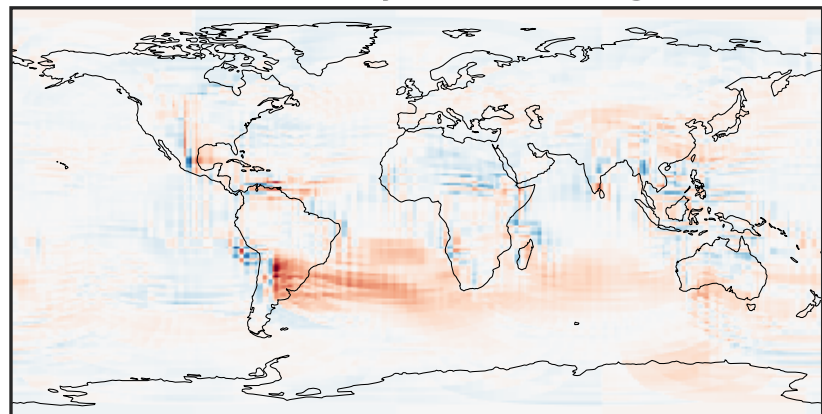
-0.16 -0.08 0.00 0.08 0.16
ppb

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



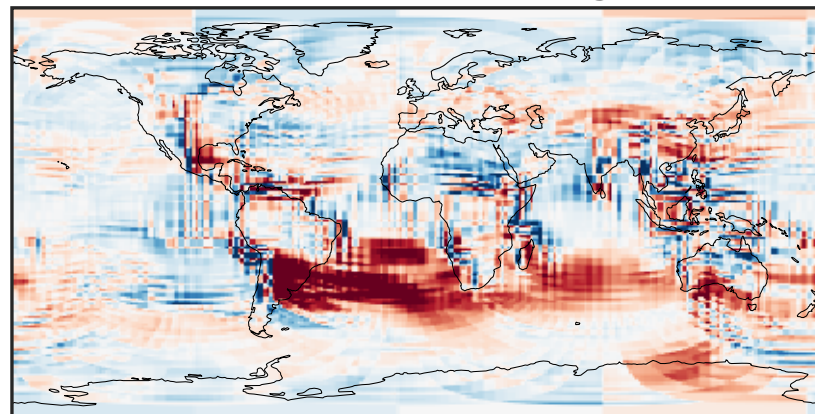
-0.001 0.000 0.001
ppb

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



1e-01 1 10
unitless

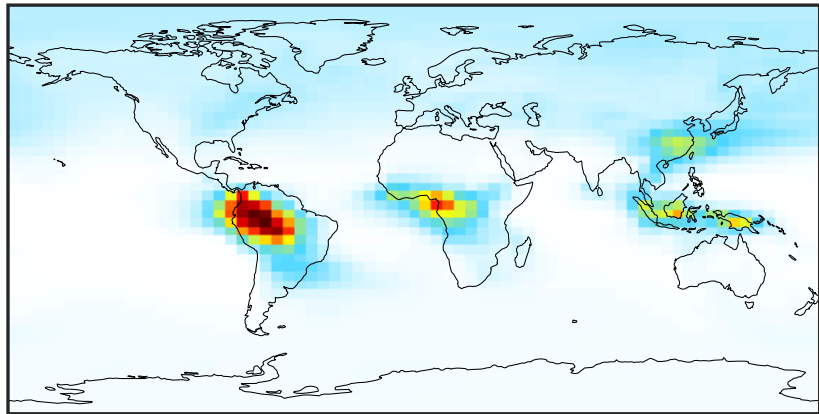
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

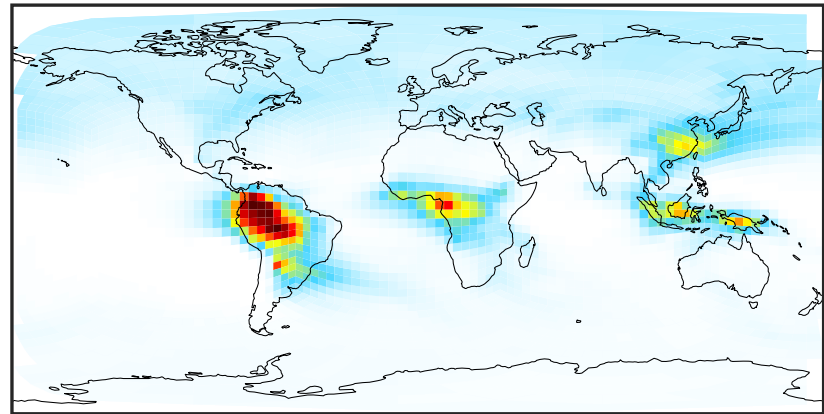
SpeciesConcVV_MEK (Apr2019)

GCC_14.2.0 (Ref)
4.0x5.0



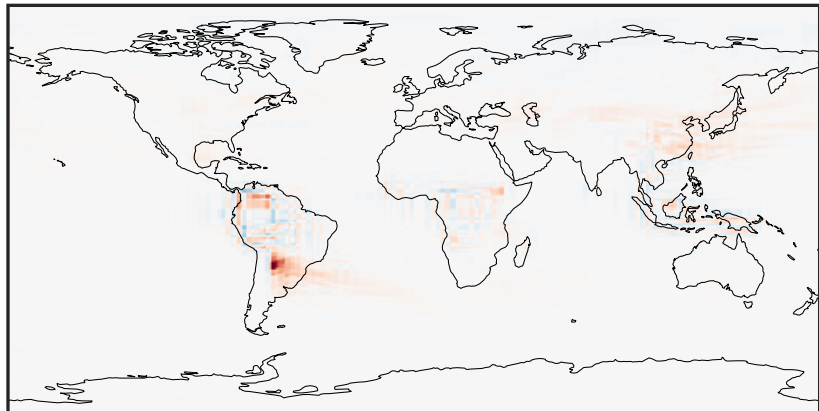
0.0001 0.0486 0.0973 0.1459 0.1947
ppb

GCHP_14.2.0 (Dev)
c24



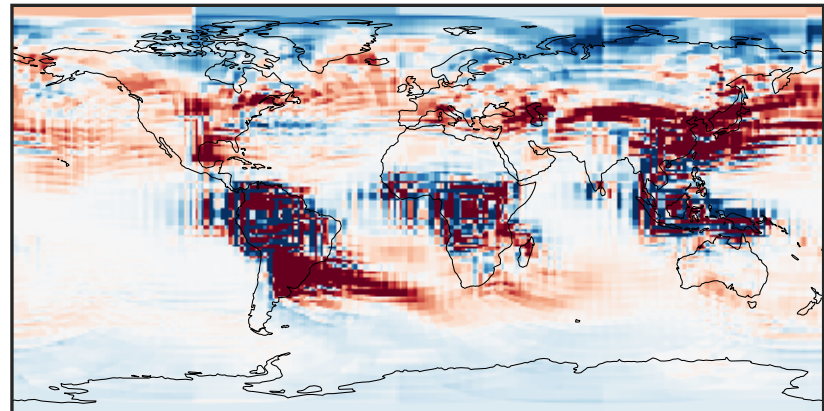
0.0001 0.0486 0.0973 0.1459 0.1947
ppb

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



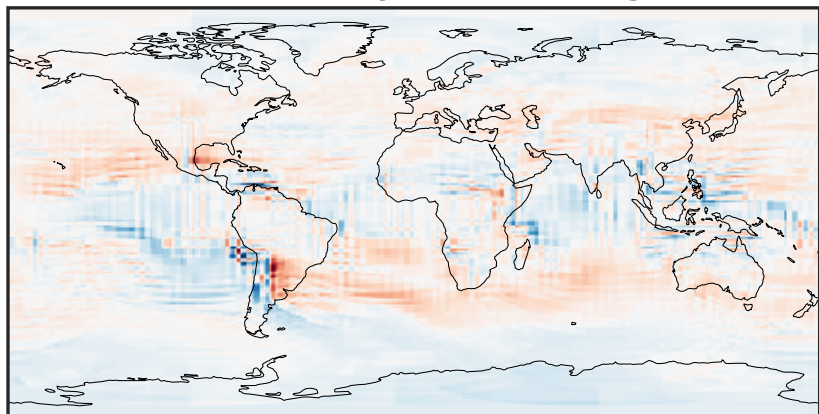
-0.1149 -0.0574 0.0000 0.0574 0.1149
ppb

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



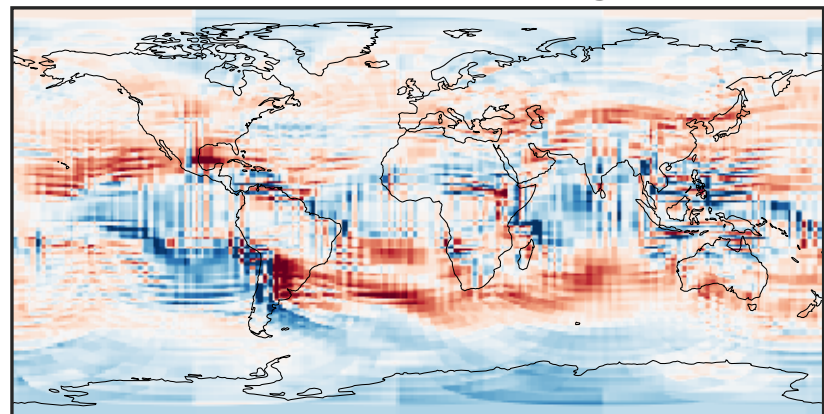
-0.0025 0.0000 0.0025
ppb

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



0.153 0.577 1.000 3.766 6.532
unitless

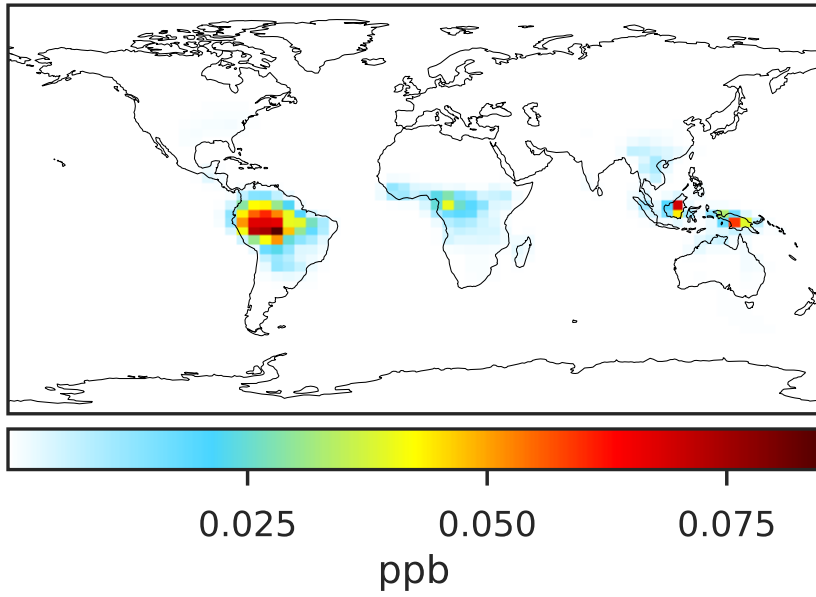
Ratio (1x1.25)
Dev/Ref, Fixed Range



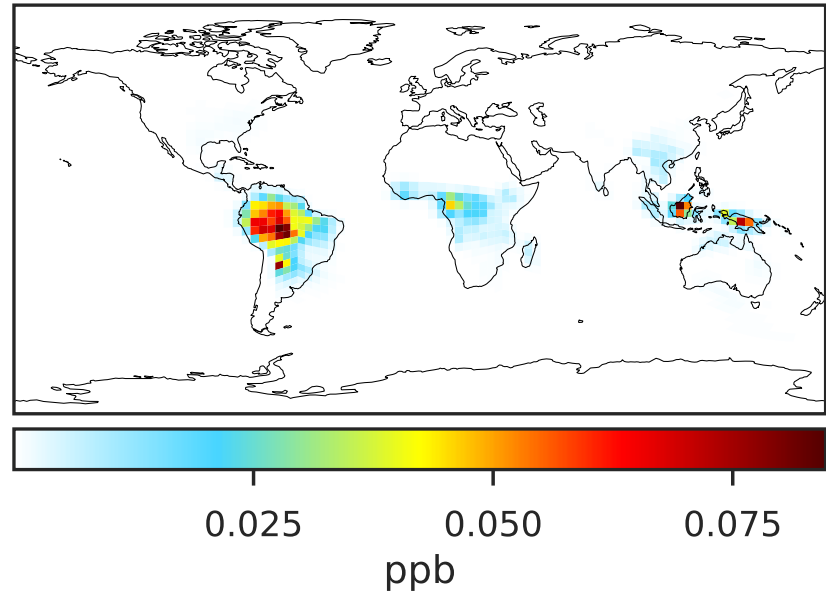
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVW_MVK (Apr2019)

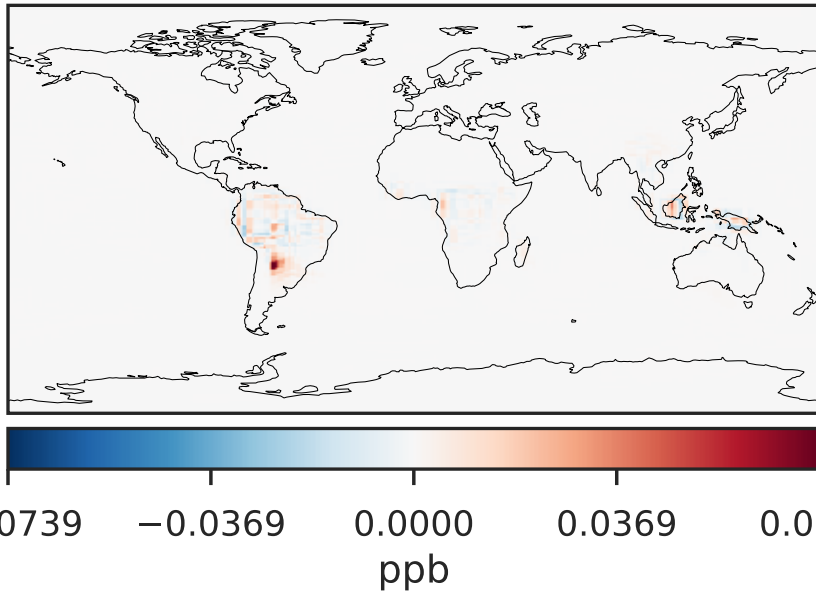
GCC_14.2.0 (Ref)
4.0x5.0



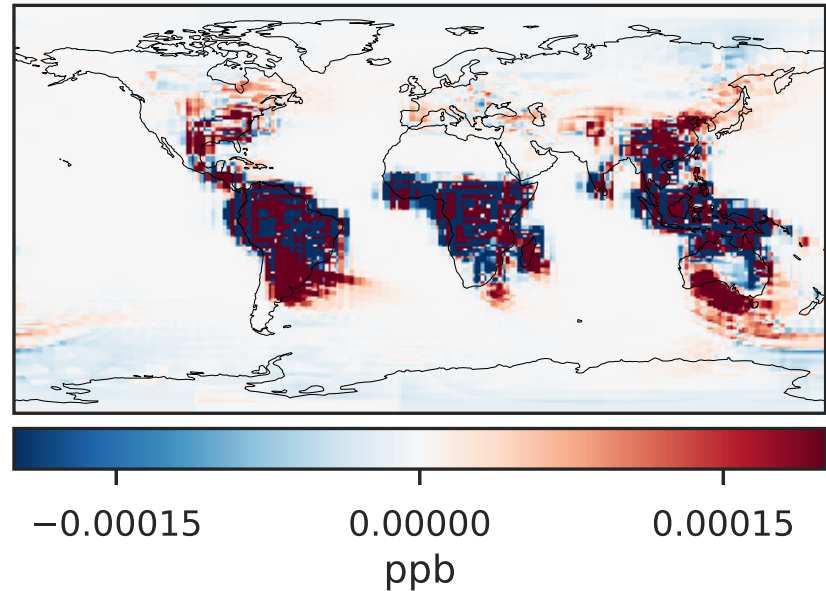
GCHP_14.2.0 (Dev)
c24



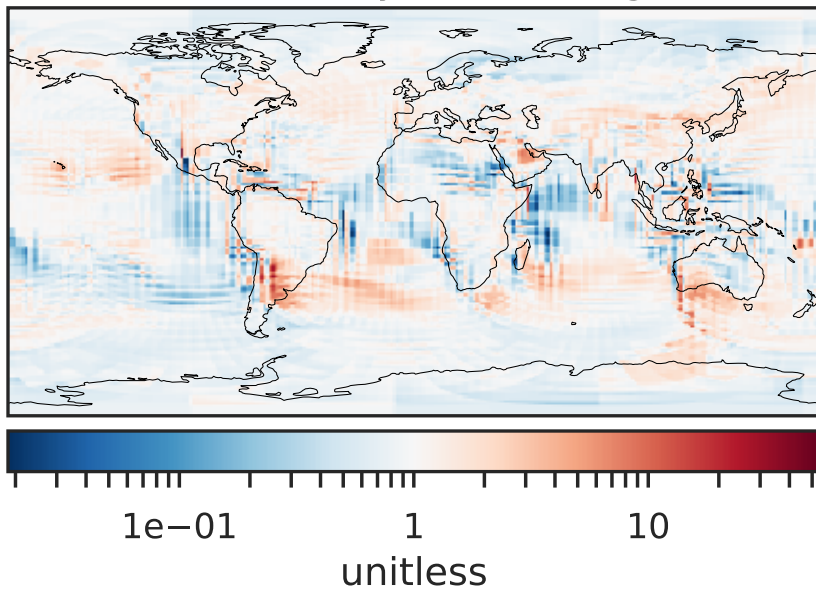
Difference (1x1.25)
Dev - Ref, Dynamic Range



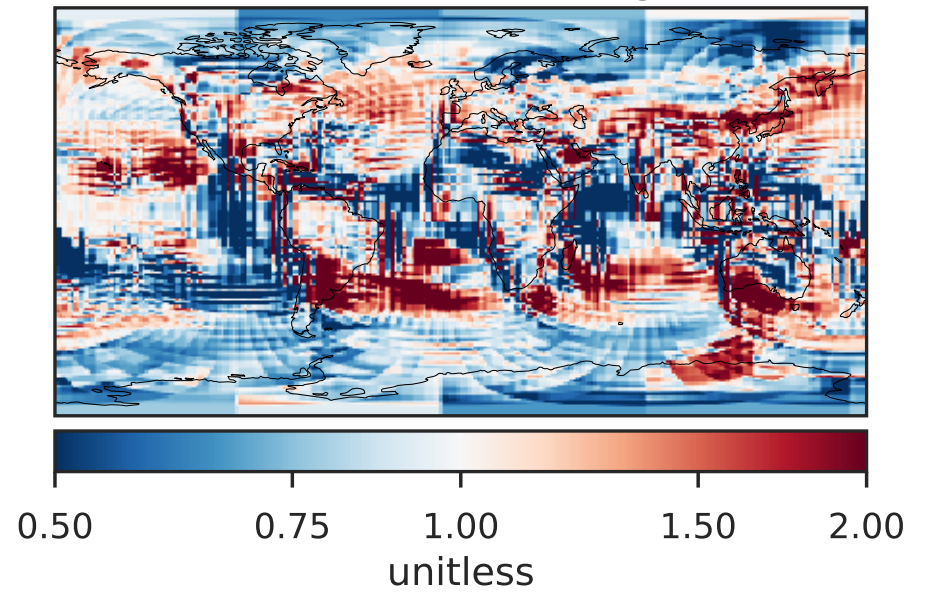
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

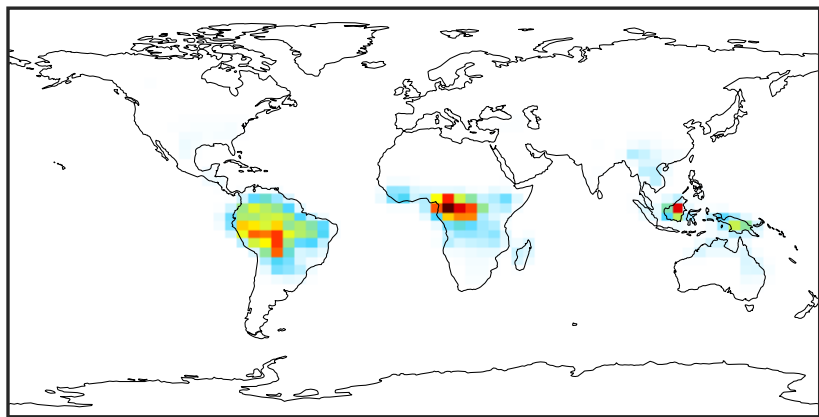


Ratio (1x1.25)
Dev/Ref, Fixed Range



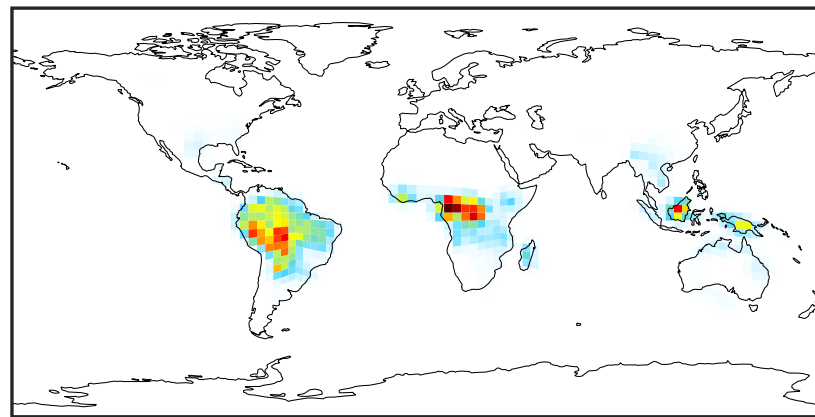
SpeciesConcVV_ISOPN (Apr2019)

GCC_14.2.0 (Ref)
4.0x5.0



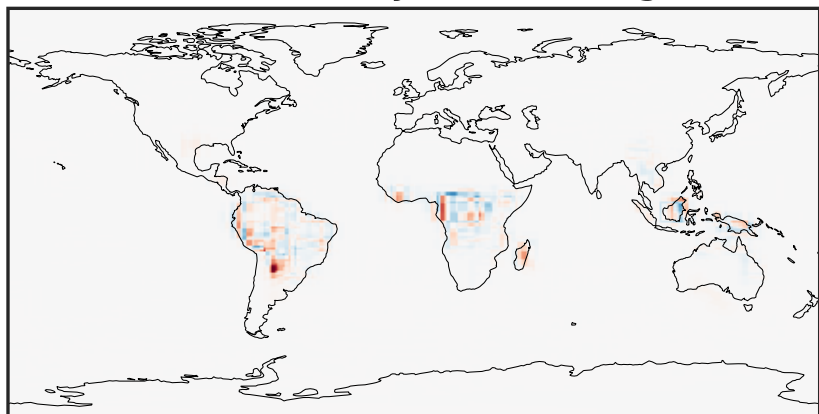
0.0000 0.0003 0.0006 0.0009
ppb

GCHP_14.2.0 (Dev)
c24



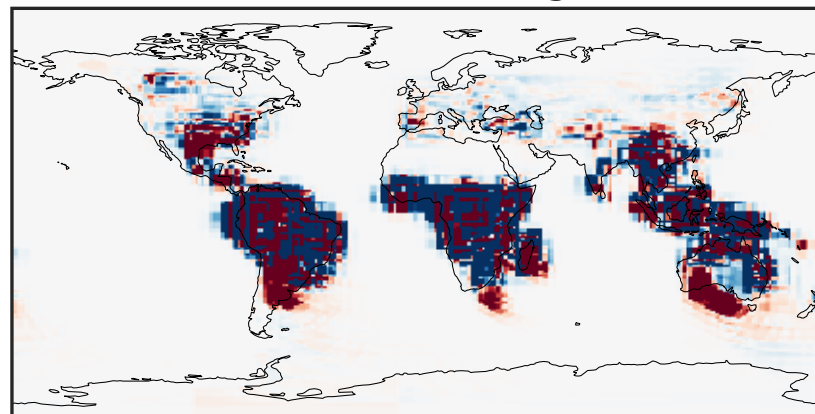
0.0000 0.0003 0.0006 0.0009
ppb

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



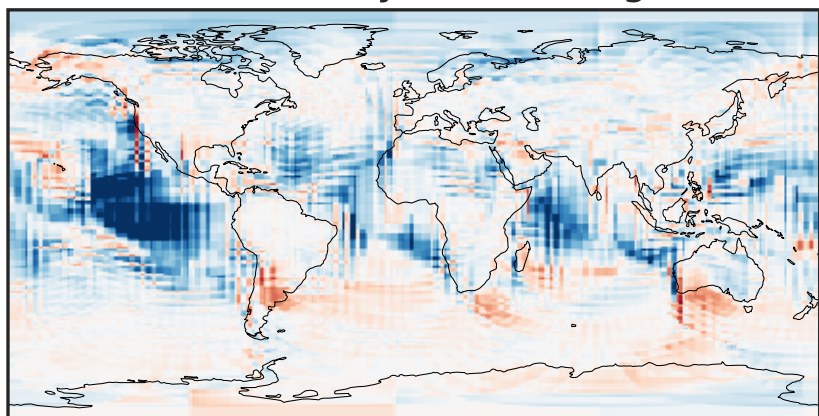
-0.0003 0.0000 0.0003
ppb

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



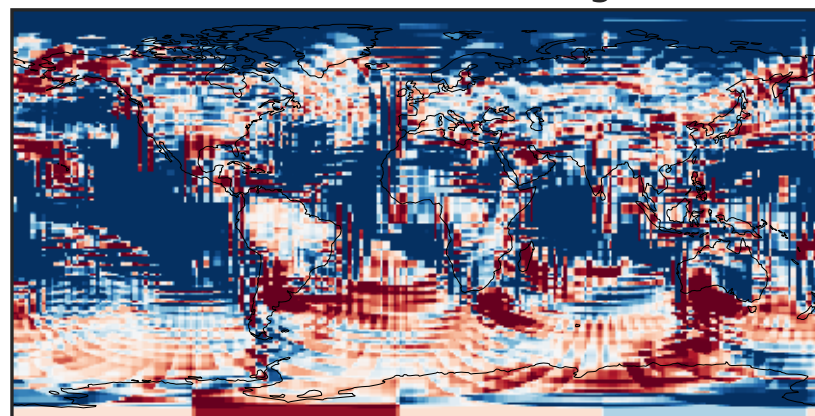
-1.5 0.0 1.5
ppb $1e-6$

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



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

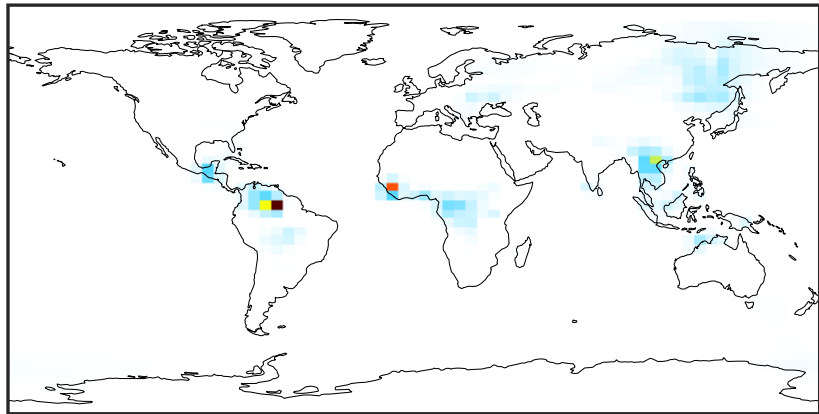
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

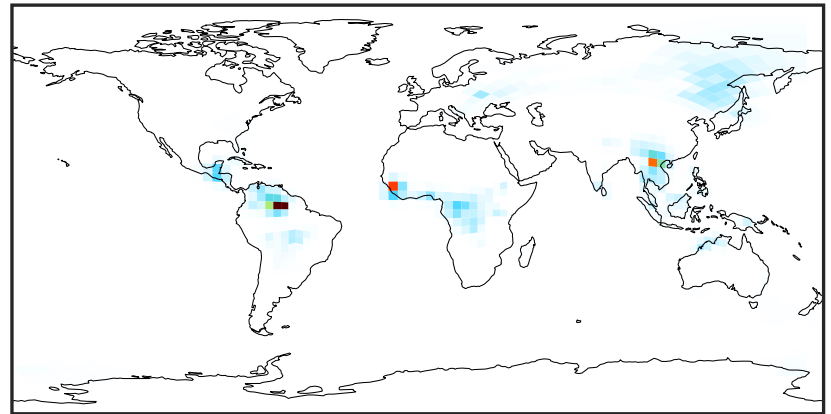
SpeciesConcVV_FURA (Apr2019)

GCC_14.2.0 (Ref)
4.0x5.0



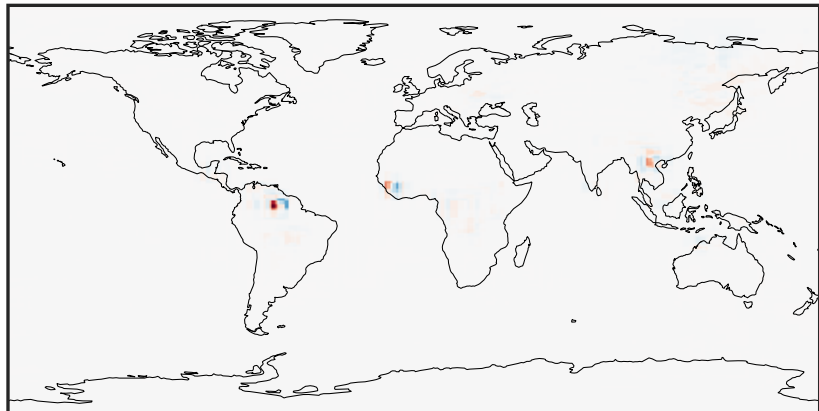
0.0000 0.0002 0.0004 0.0006
ppb

GCHP_14.2.0 (Dev)
c24



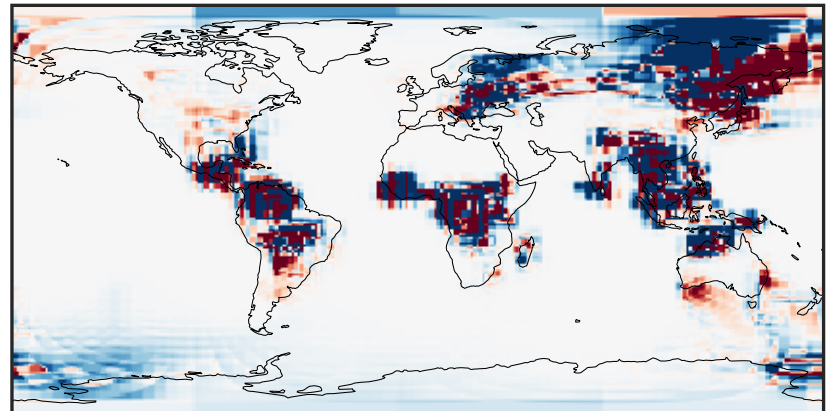
0.0000 0.0002 0.0004 0.0006
ppb

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



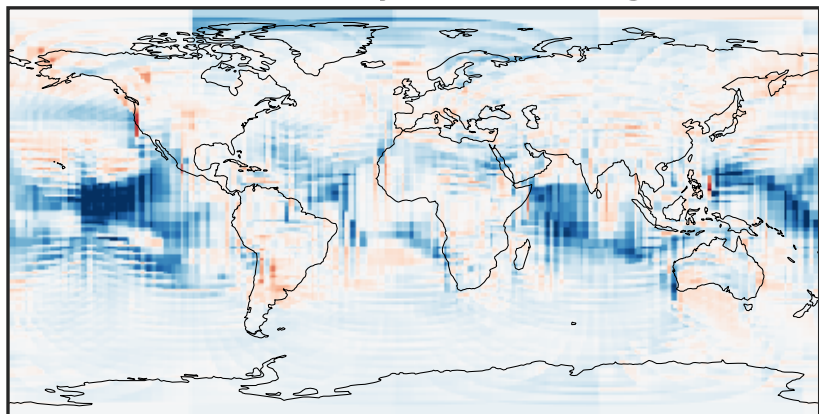
-0.0003 0.0000 0.0003
ppb

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



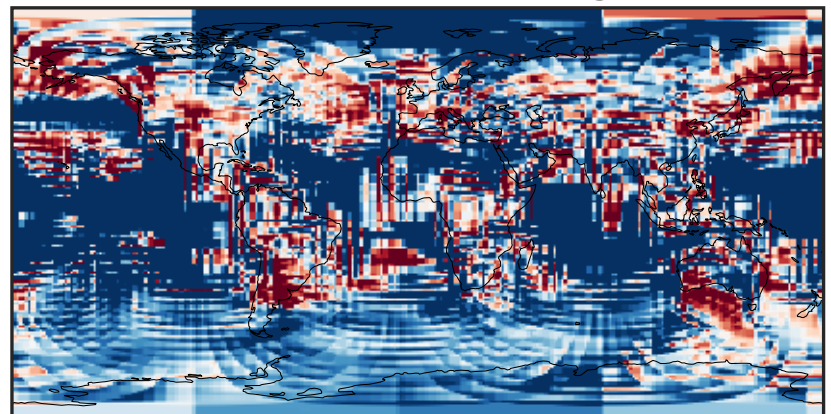
-1.5 0.0 1.5
ppb $1e-6$

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



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

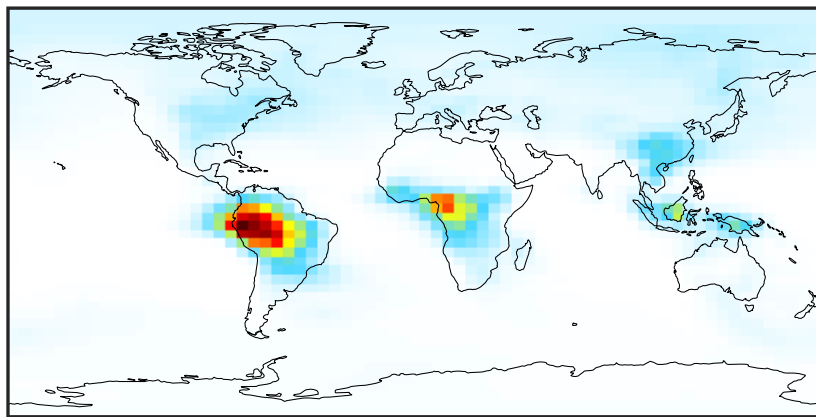
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

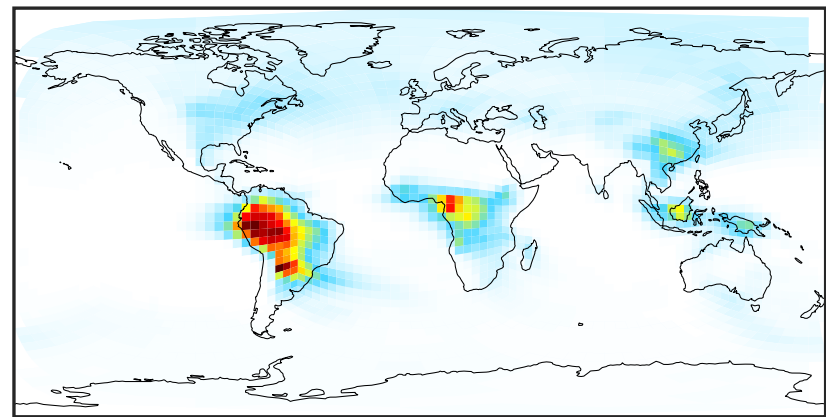
SpeciesConcVV_GLYC (Apr2019)

GCC_14.2.0 (Ref)
4.0x5.0



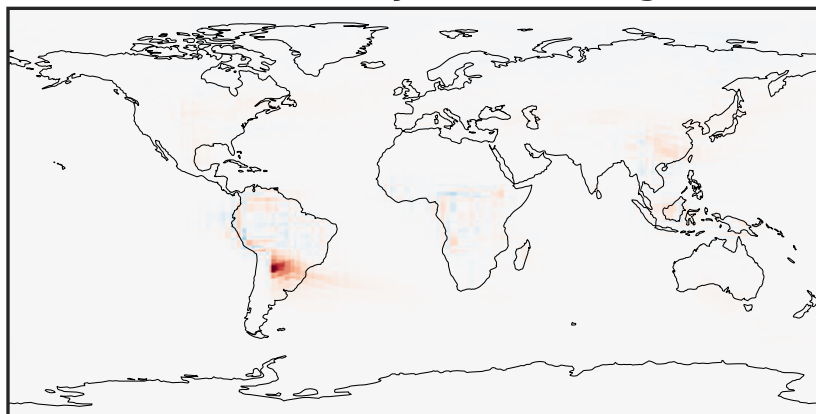
0.025 0.050 0.075
ppb

GCHP_14.2.0 (Dev)
c24



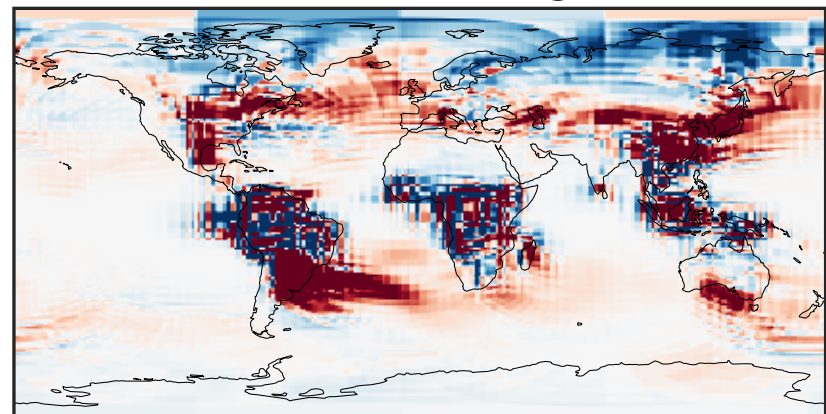
0.025 0.050 0.075
ppb

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



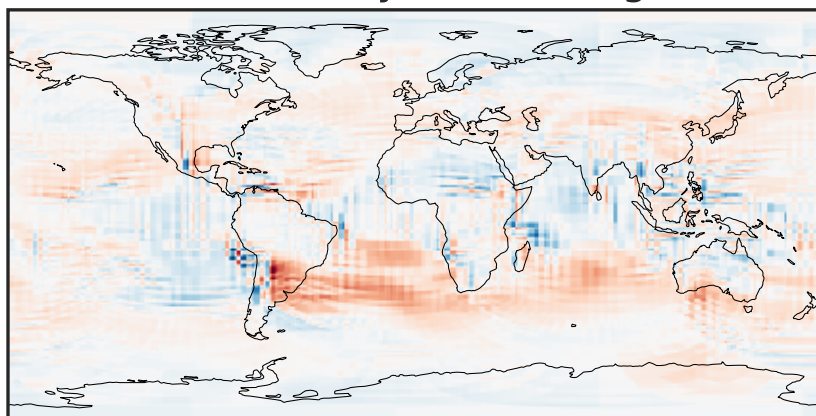
-0.074 -0.037 0.000 0.037 0.074
ppb

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



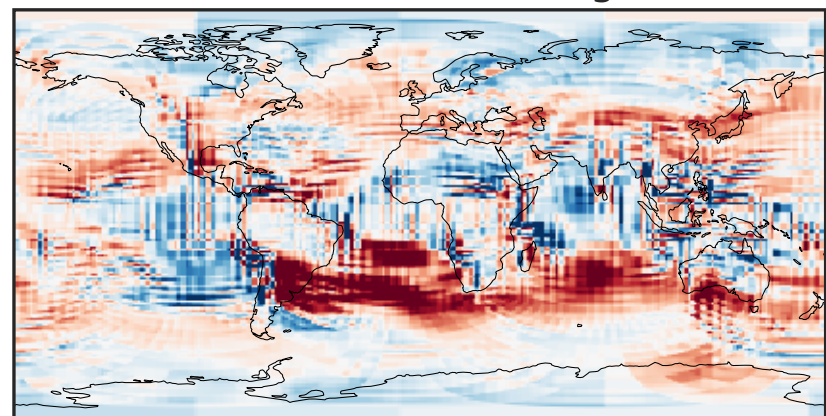
-0.0008 0.0000 0.0008
ppb

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



0.106 0.553 1.000 5.225 9.451
unitless

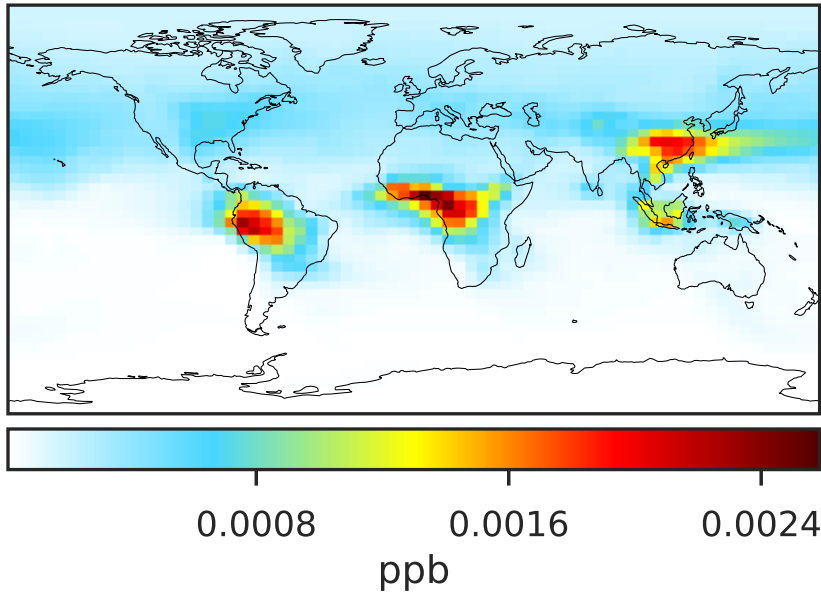
Ratio (1x1.25)
Dev/Ref, Fixed Range



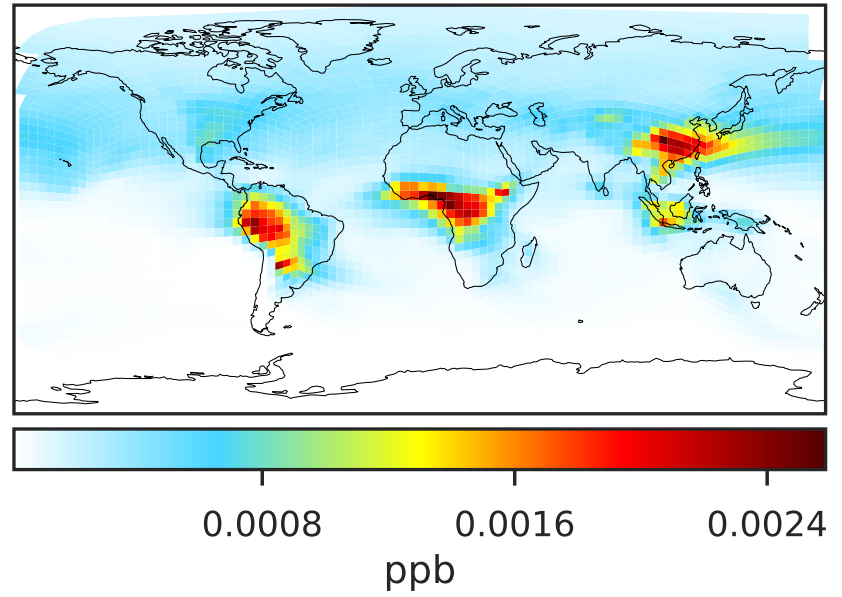
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_GLYX (Apr2019)

GCC_14.2.0 (Ref)
4.0x5.0



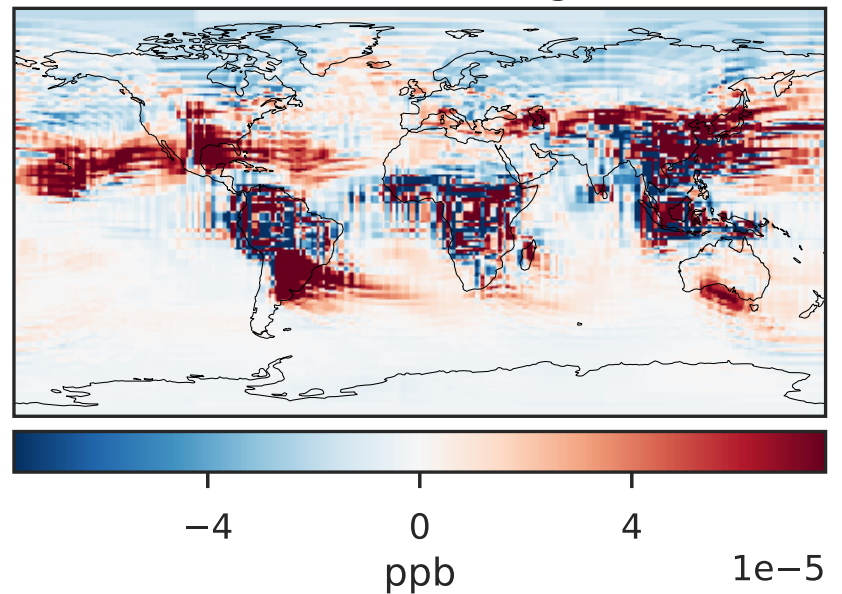
GCHP_14.2.0 (Dev)
c24



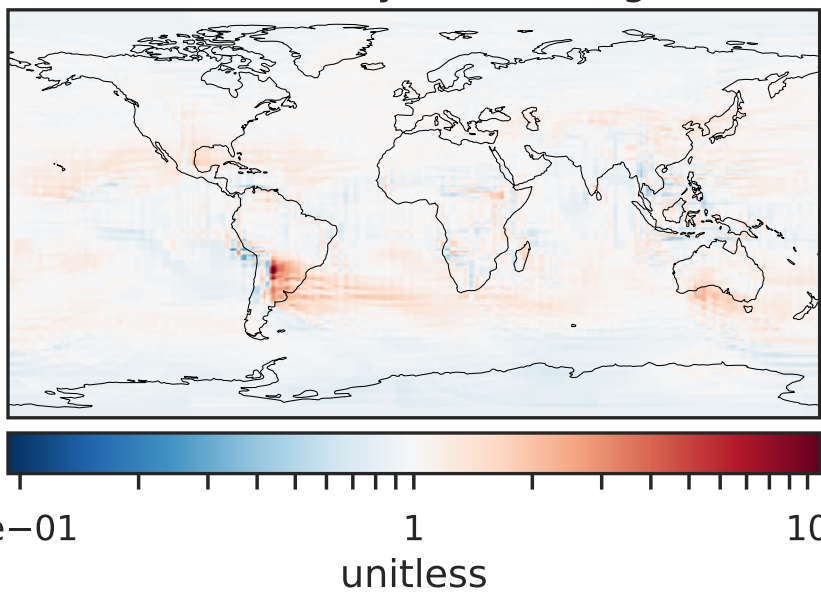
Difference (1x1.25)
Dev - Ref, Dynamic Range



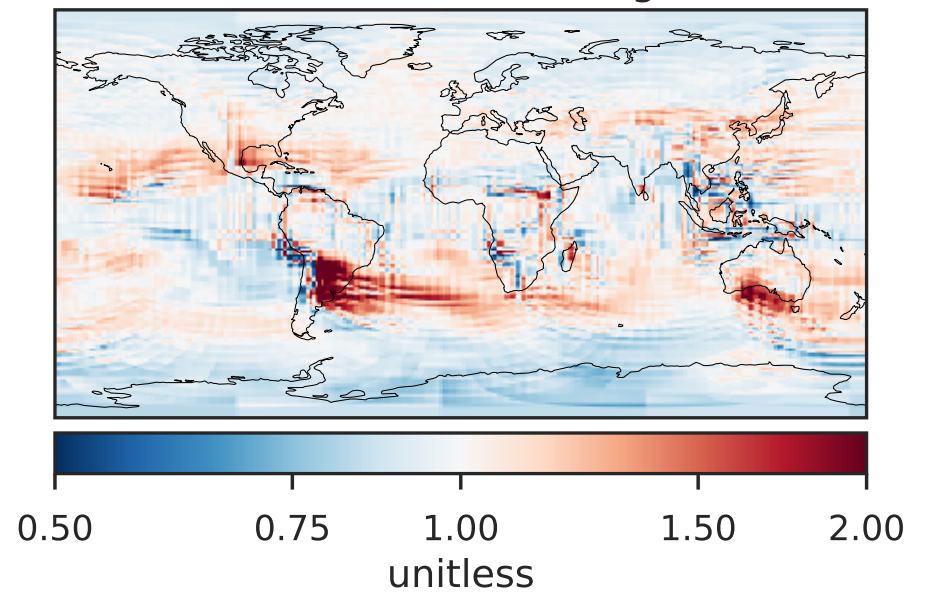
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

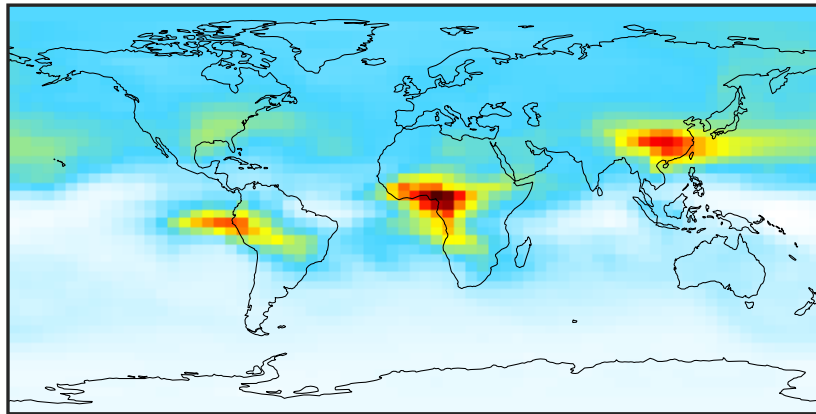


Ratio (1x1.25)
Dev/Ref, Fixed Range



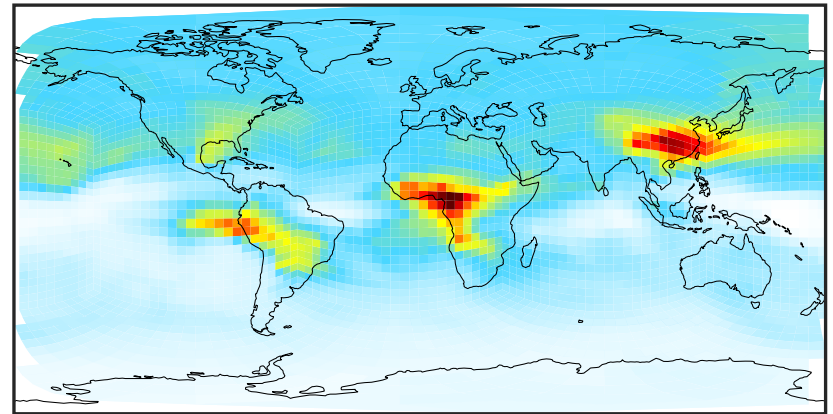
SpeciesConcVV_HCOOH (Apr2019)

GCC_14.2.0 (Ref)
4.0x5.0



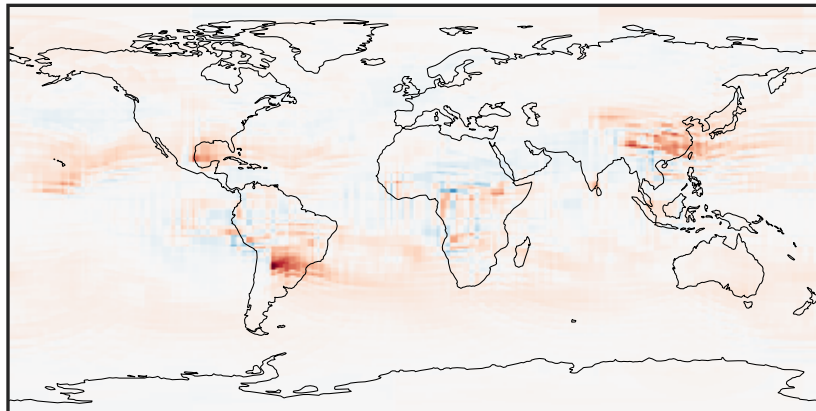
0.0012 0.0702 0.1404 0.2107 0.2821
ppb

GCHP_14.2.0 (Dev)
c24



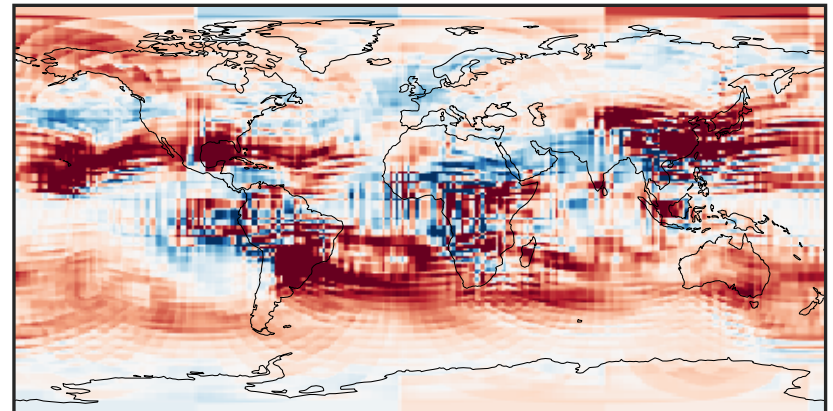
0.0012 0.0702 0.1404 0.2107 0.2821
ppb

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



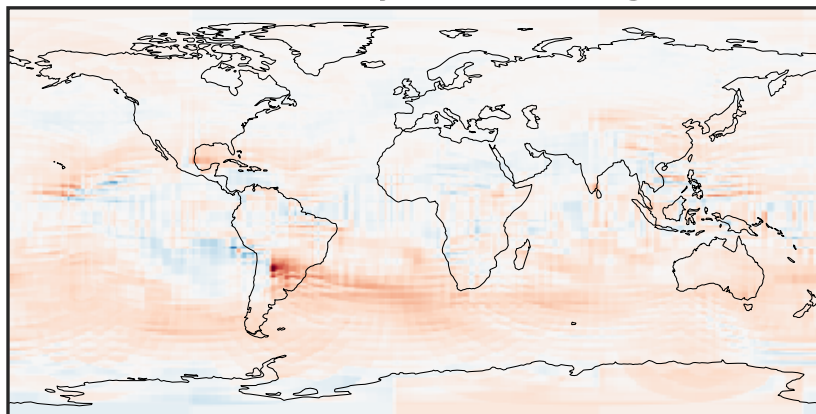
-0.0955 -0.0477 0.0000 0.0477 0.0955
ppb

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



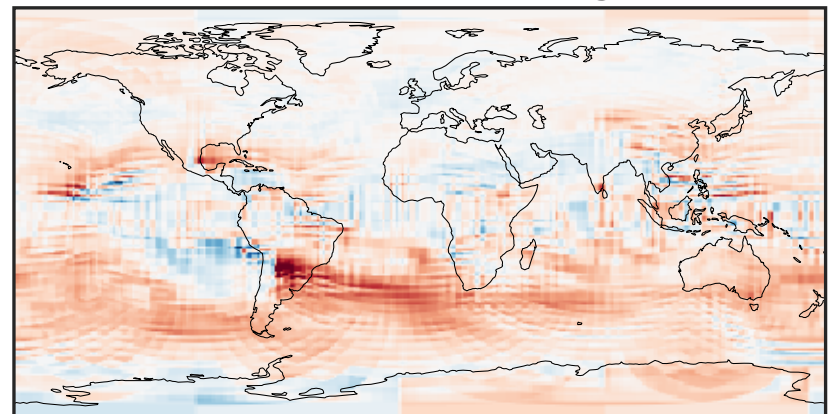
-0.006 0.000 0.006
ppb

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



0.262 0.631 1.000 2.411 3.821
unitless

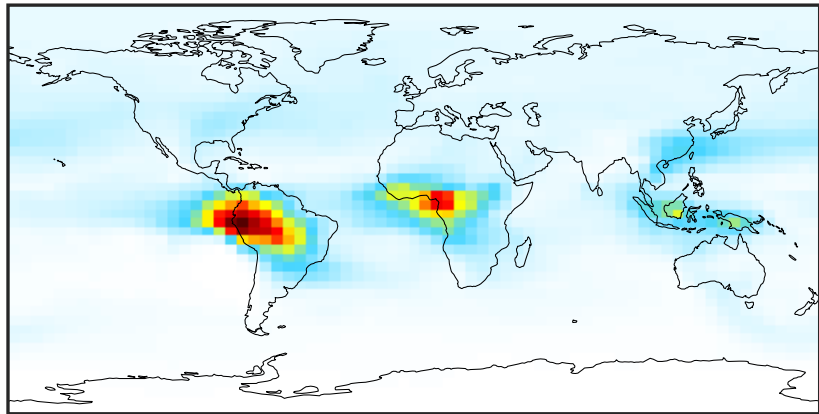
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

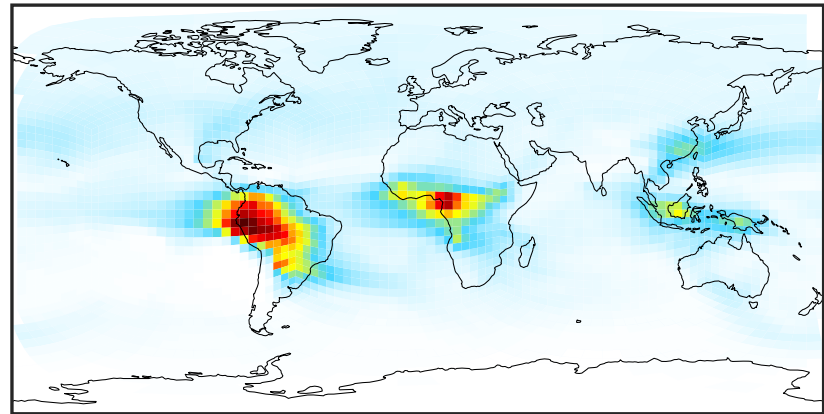
SpeciesConcVV_MAP (Apr2019)

GCC_14.2.0 (Ref)
4.0x5.0



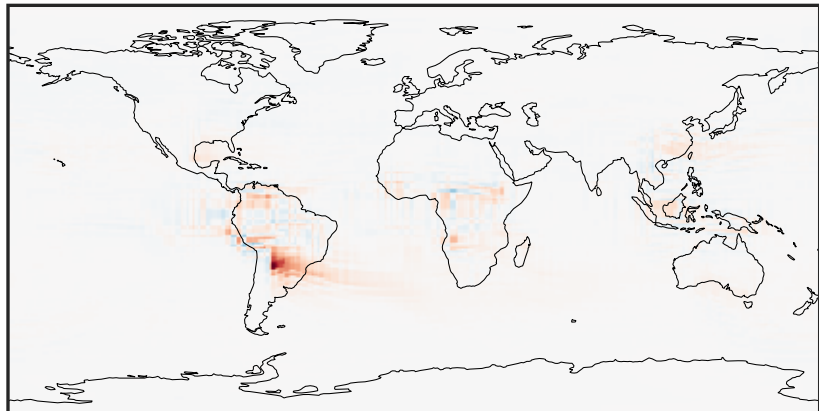
0.0067 0.0731 0.1463 0.2194 0.2993
ppb

GCHP_14.2.0 (Dev)
c24



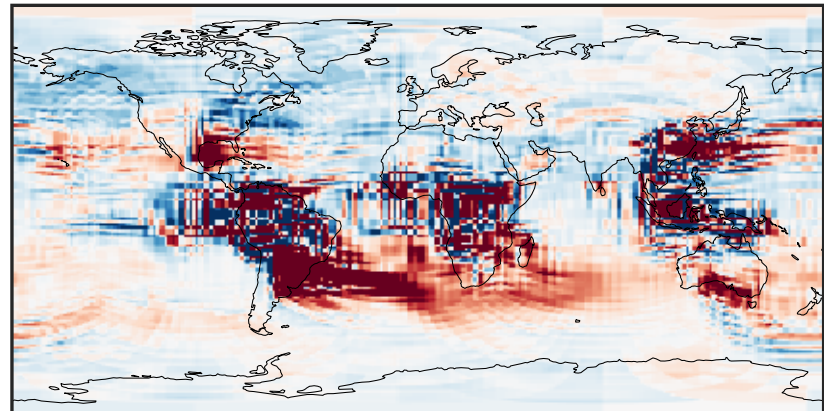
0.0067 0.0731 0.1463 0.2194 0.2993
ppb

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



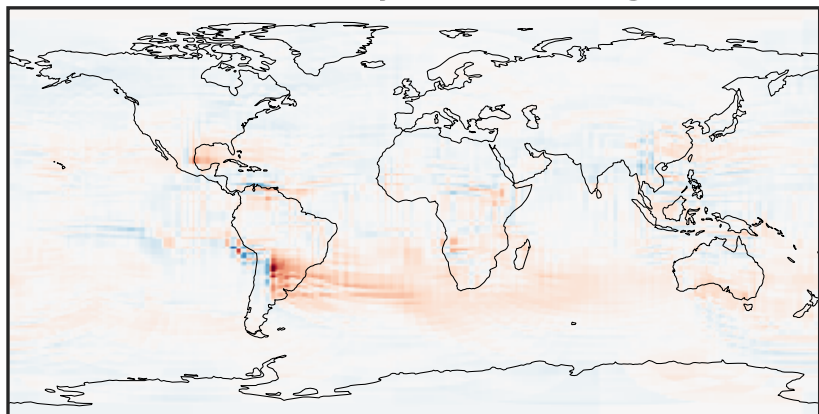
-0.1612 -0.0806 0.0000 0.0806 0.1612
ppb

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



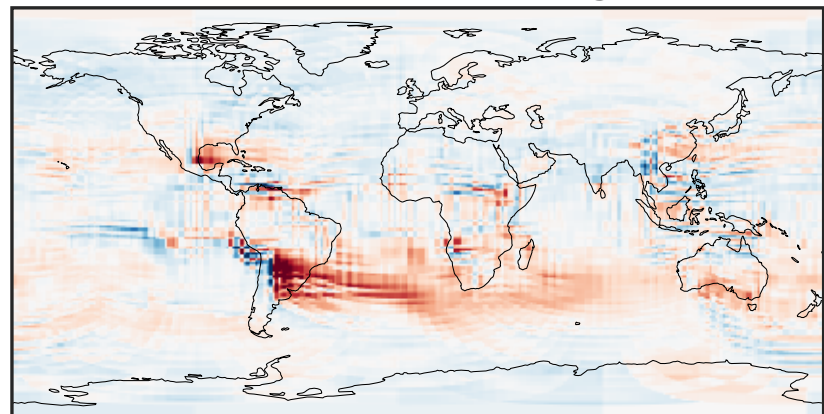
-0.003 0.000 0.003
ppb

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



0.186 0.593 1.000 3.183 5.366
unitless

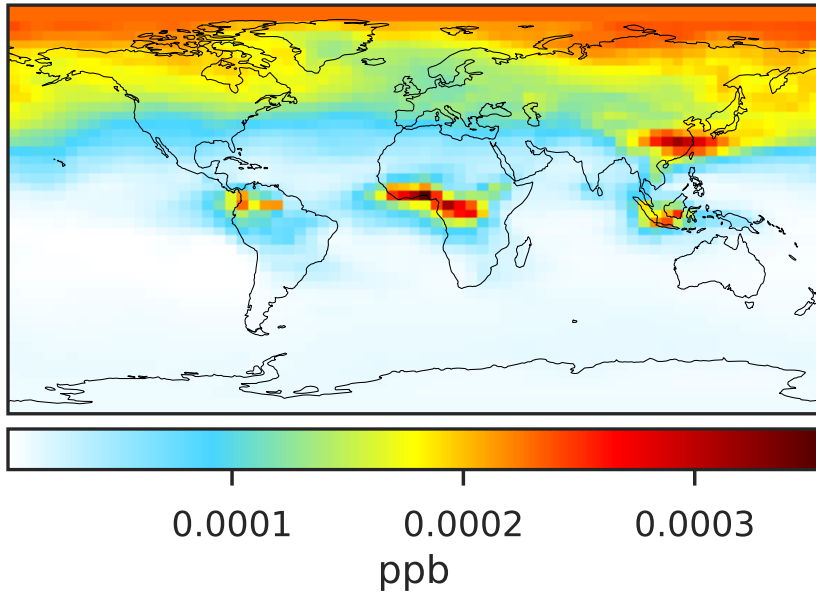
Ratio (1x1.25)
Dev/Ref, Fixed Range



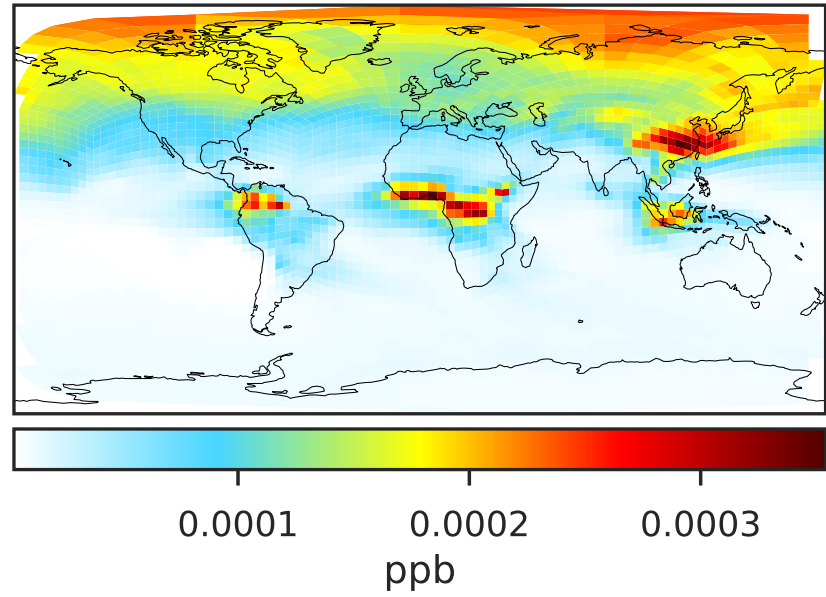
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_PHEN (Apr2019)

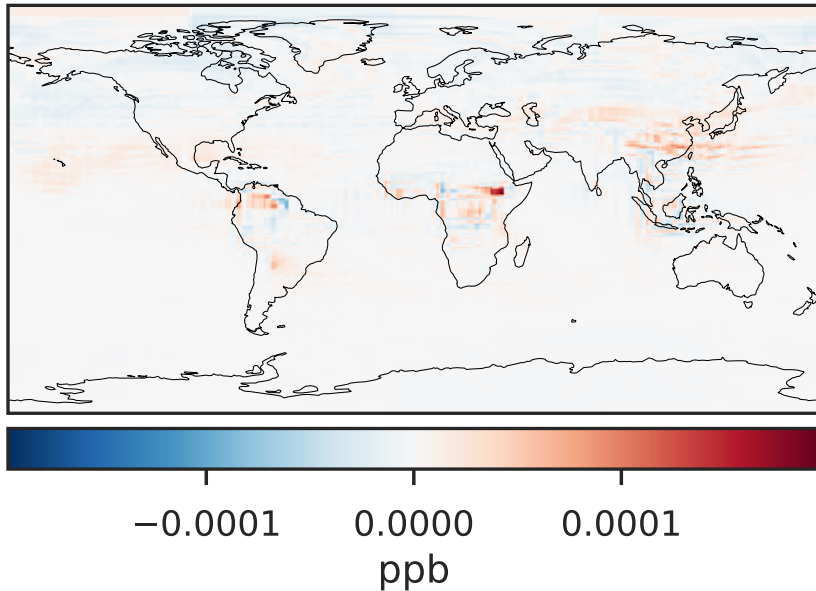
GCC_14.2.0 (Ref)
4.0x5.0



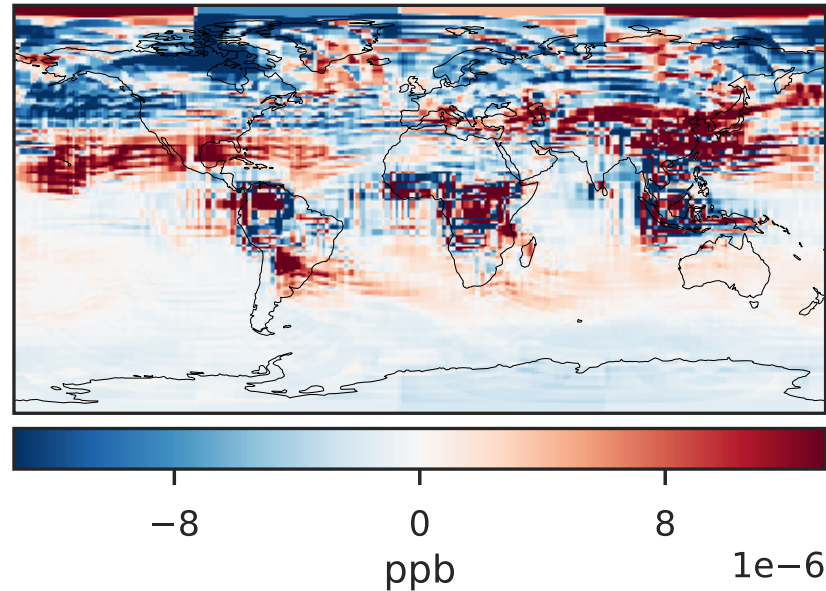
GCHP_14.2.0 (Dev)
c24



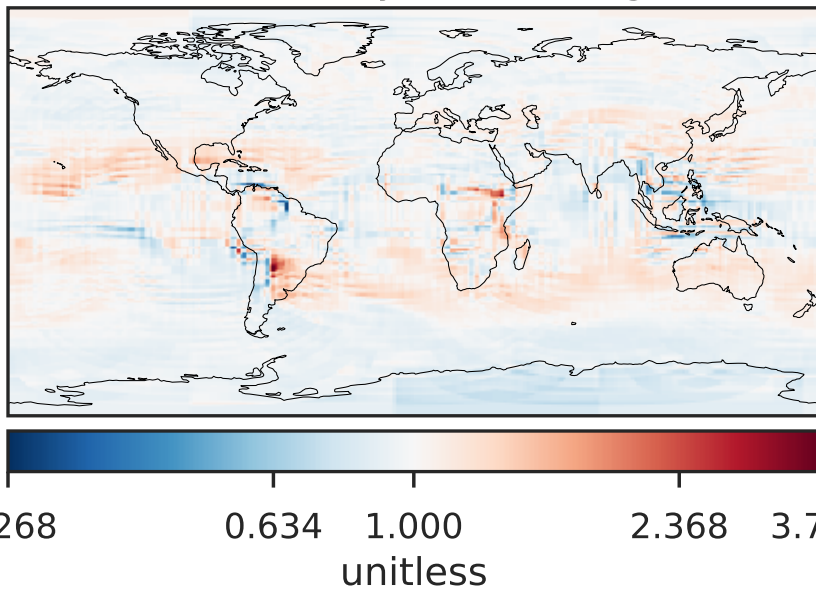
Difference (1x1.25)
Dev - Ref, Dynamic Range



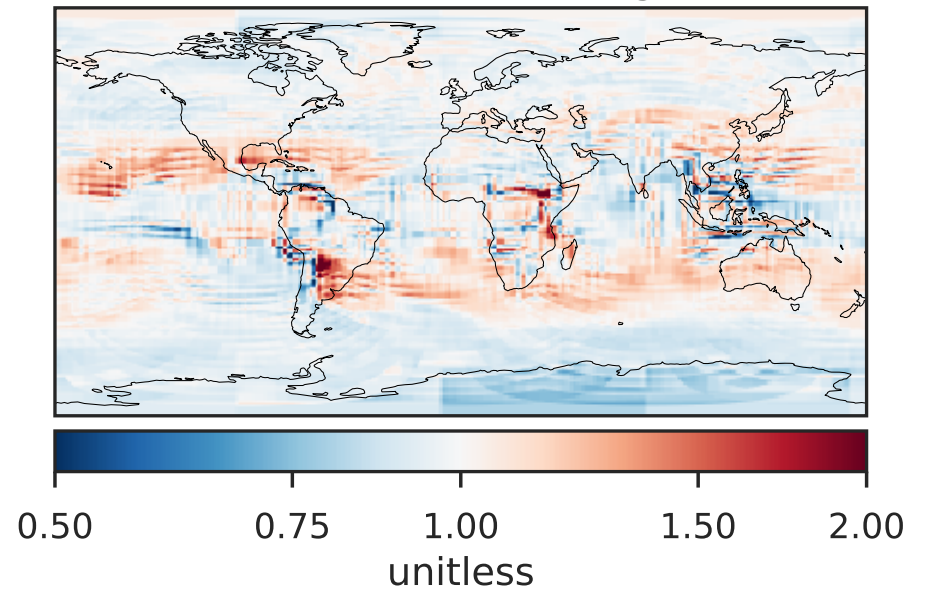
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

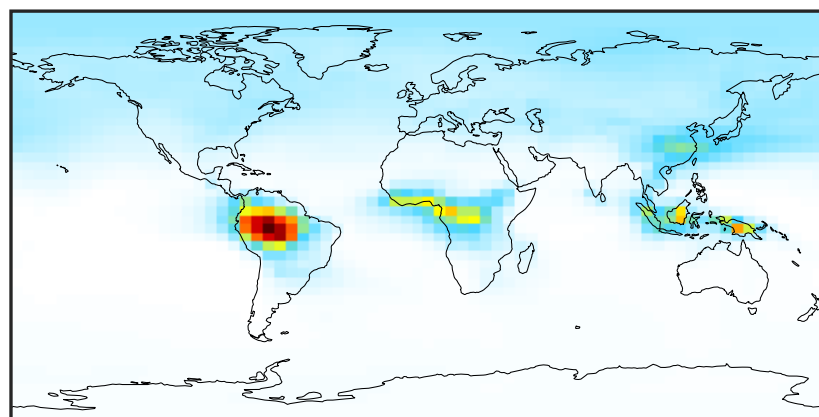


Ratio (1x1.25)
Dev/Ref, Fixed Range



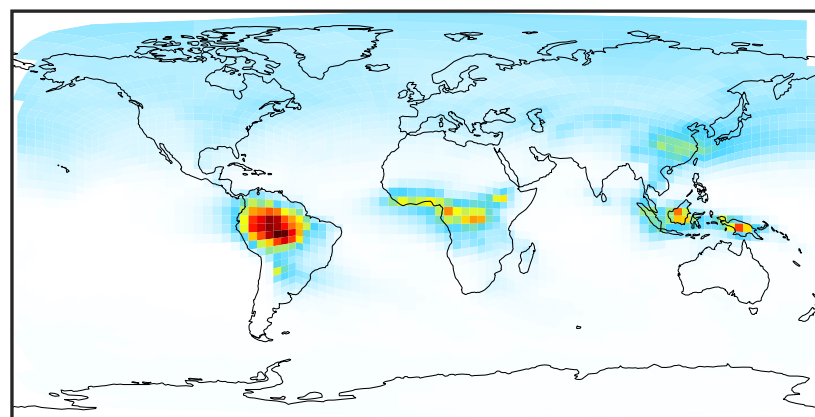
SpeciesConcVV_RCHO (Apr2019)

GCC_14.2.0 (Ref)
4.0x5.0



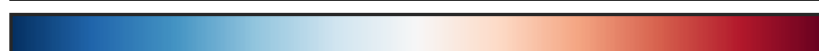
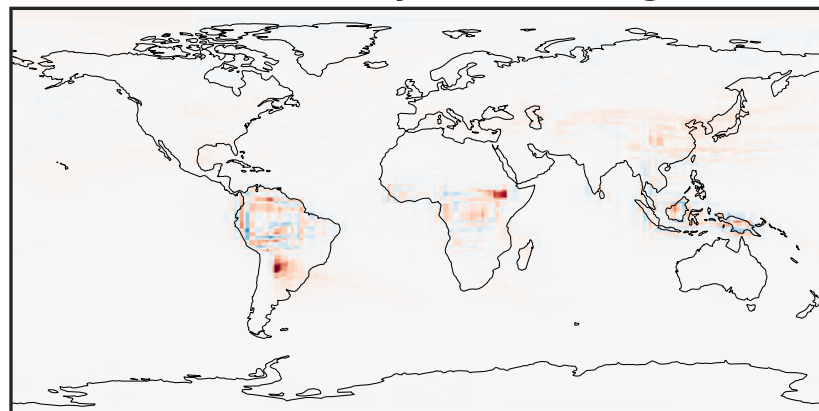
0.008 0.016 0.024
ppb

GCHP_14.2.0 (Dev)
c24



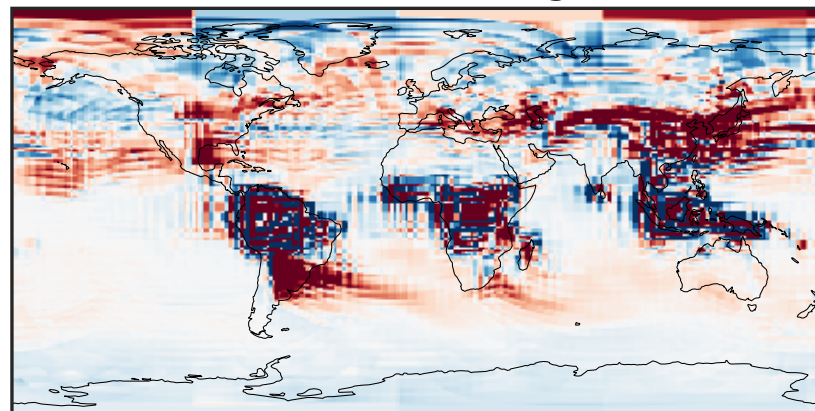
0.008 0.016 0.024
ppb

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



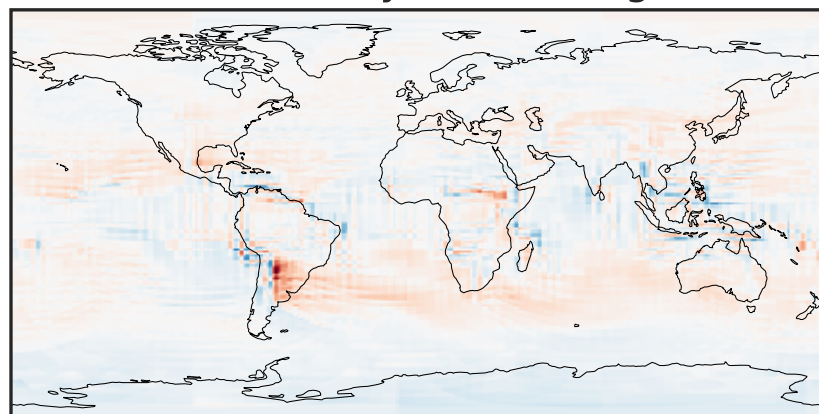
-0.008 0.000 0.008
ppb

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



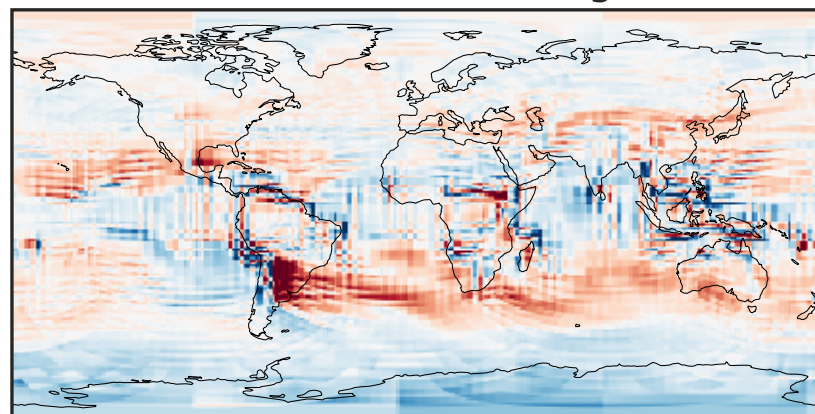
-0.0003 0.0000 0.0003
ppb

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



0.100 0.550 1.000 5.486 9.972
unitless

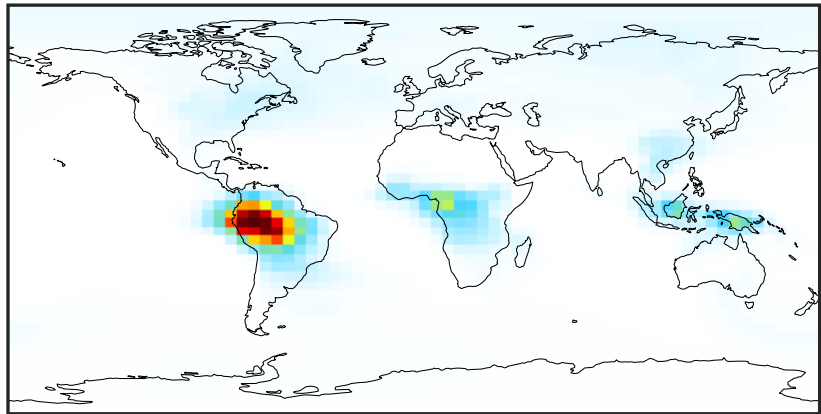
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

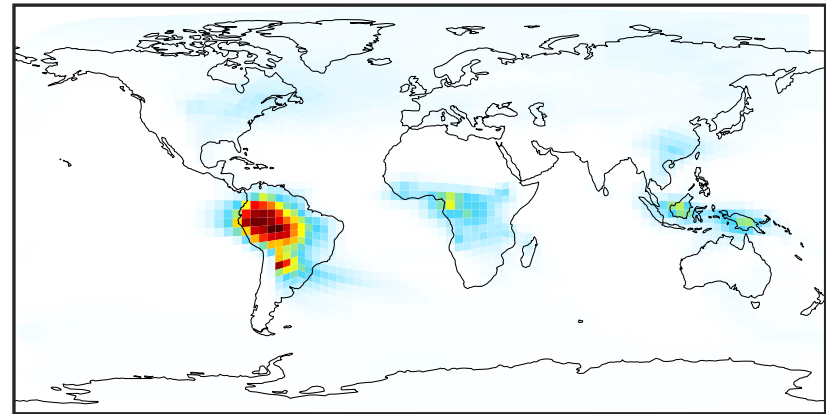
SpeciesConcVV_ETHP (Apr2019)

GCC_14.2.0 (Ref)
4.0x5.0



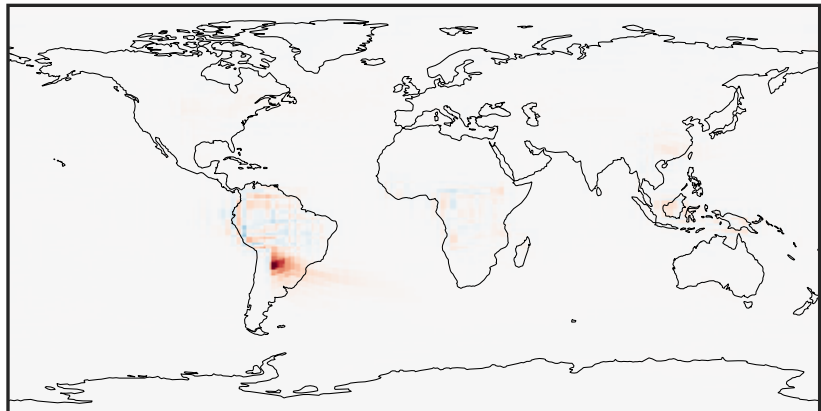
0.015 0.030 0.045
ppb

GCHP_14.2.0 (Dev)
c24



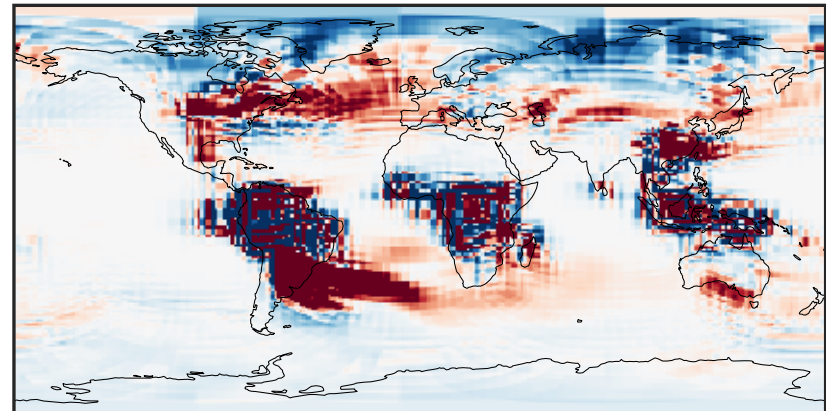
0.015 0.030 0.045
ppb

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



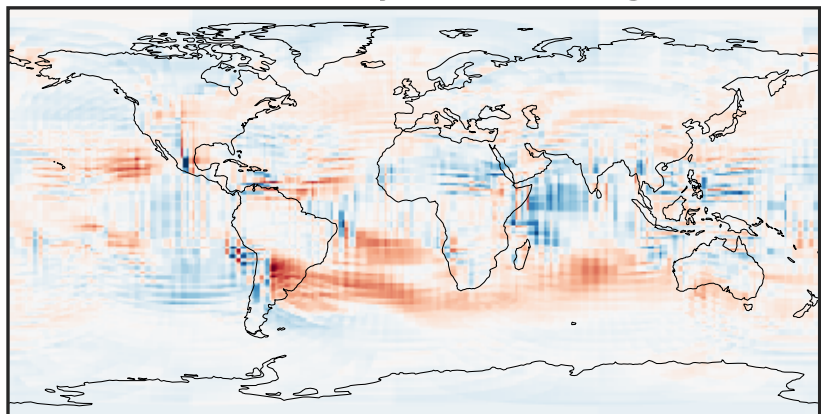
-0.02 0.00 0.02
ppb

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



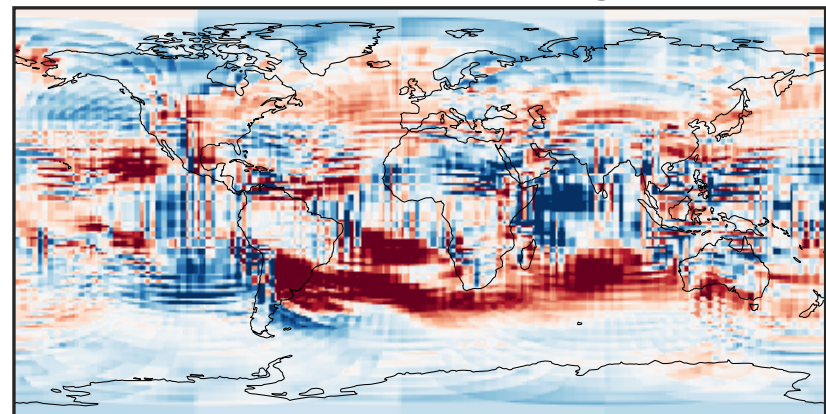
-0.00025 0.00000 0.00025
ppb

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



1e-01 1 10
unitless

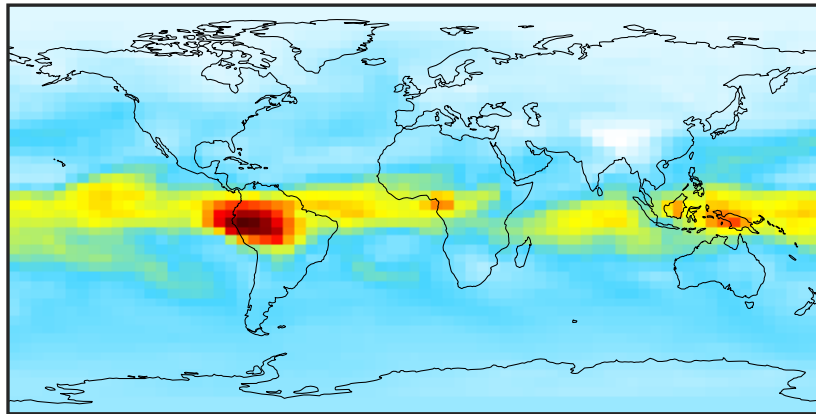
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

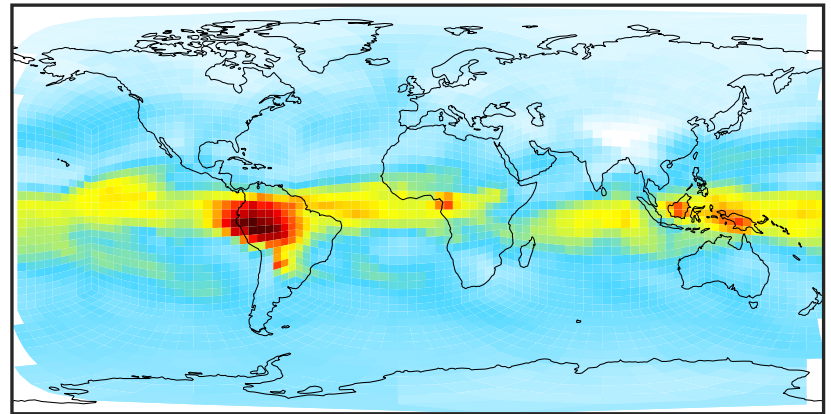
SpeciesConcVV_MP (Apr2019)

GCC_14.2.0 (Ref)
4.0x5.0



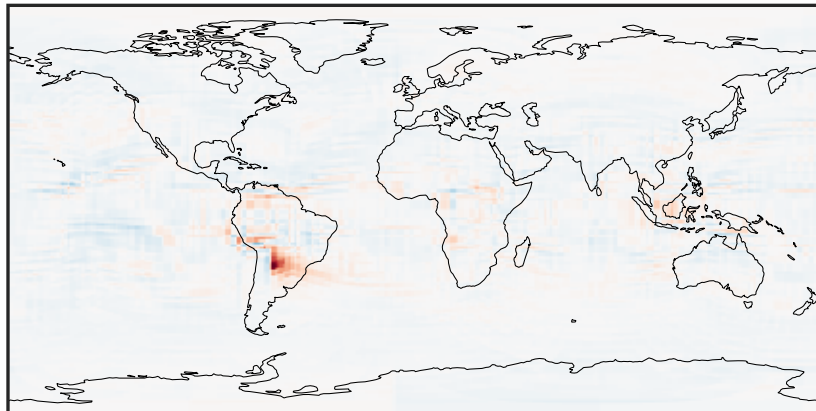
0.0613 0.2154 0.4308 0.6463 0.9230
ppb

GCHP_14.2.0 (Dev)
c24



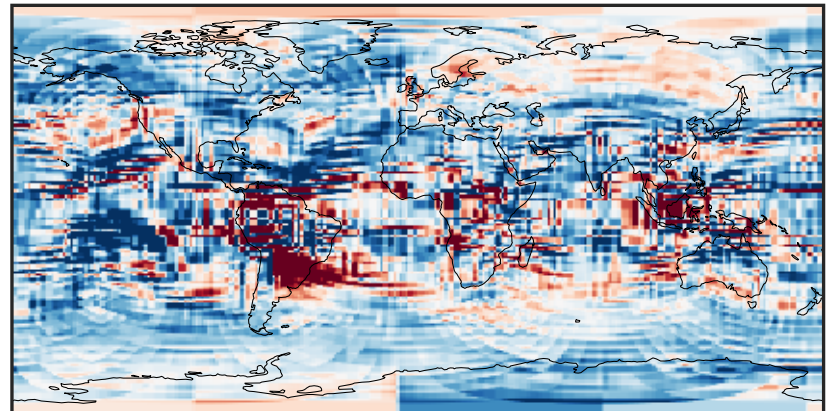
0.0613 0.2154 0.4308 0.6463 0.9230
ppb

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



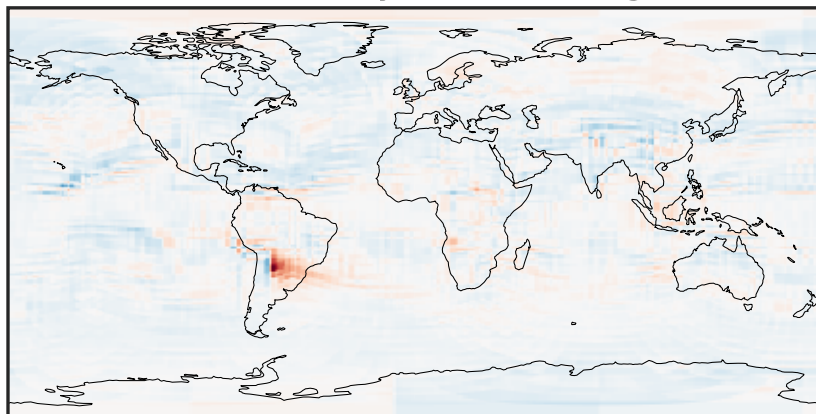
-0.4057 -0.2029 0.0000 0.2029 0.4057
ppb

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



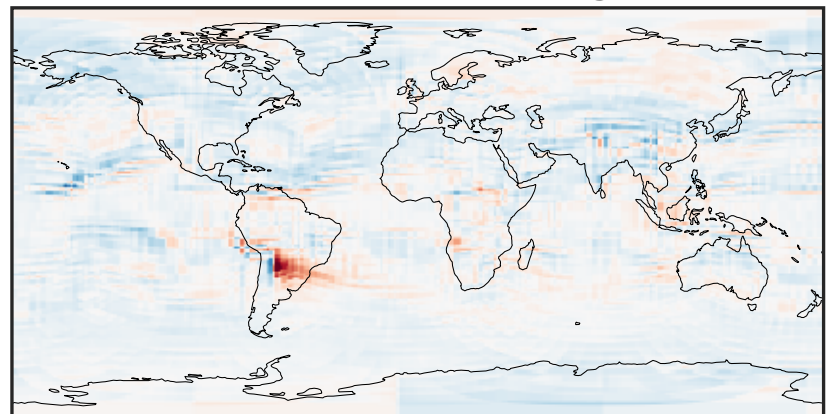
-0.015 0.000 0.015
ppb

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



0.382 0.691 1.000 1.810 2.619
unitless

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



0.50 0.75 1.00 1.50 2.00
unitless