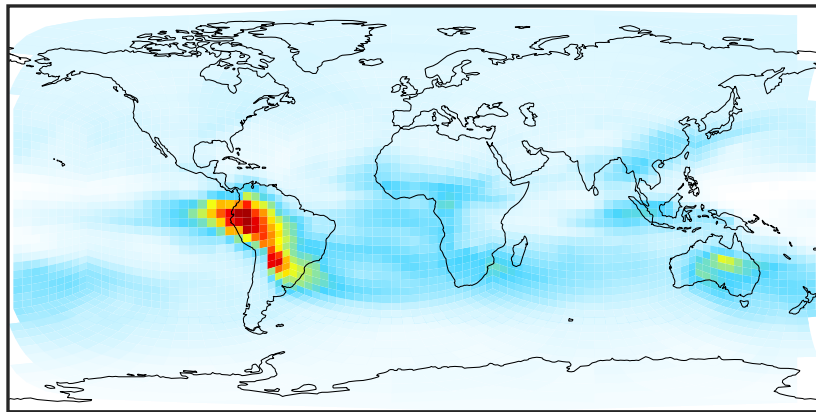


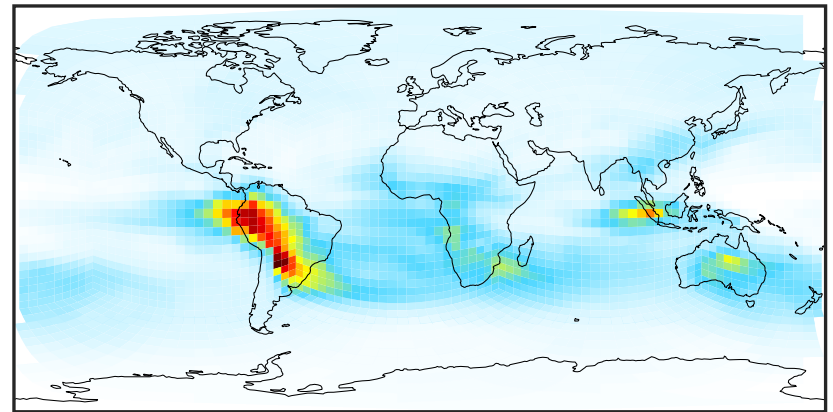
SpeciesConcVV_ACTA (Oct2019)

GCHP_14.0.0 (Ref)
c24



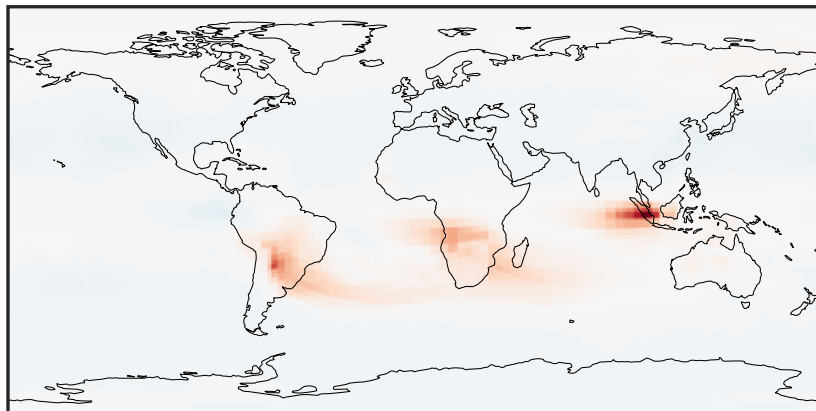
0.0066 0.0857 0.1715 0.2572 0.3495
ppb

GCHP_14.2.0 (Dev)
c24



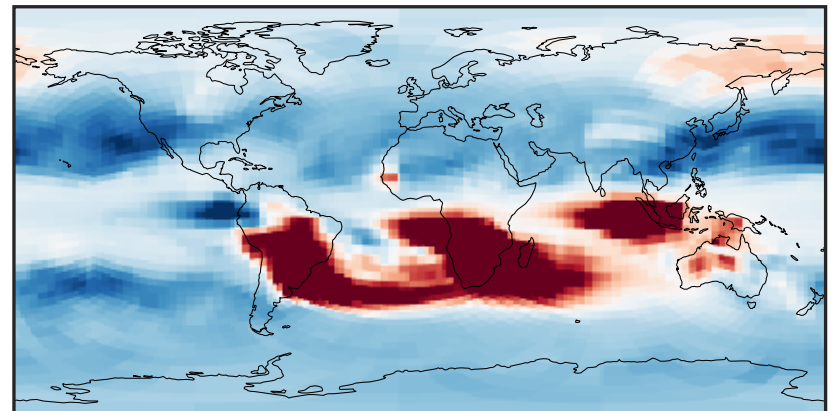
0.0066 0.0857 0.1715 0.2572 0.3495
ppb

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



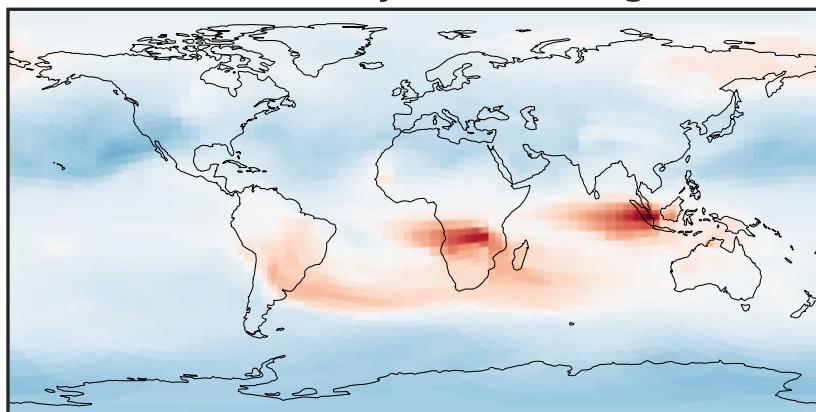
-0.1154 -0.0577 0.0000 0.0577 0.1154
ppb

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



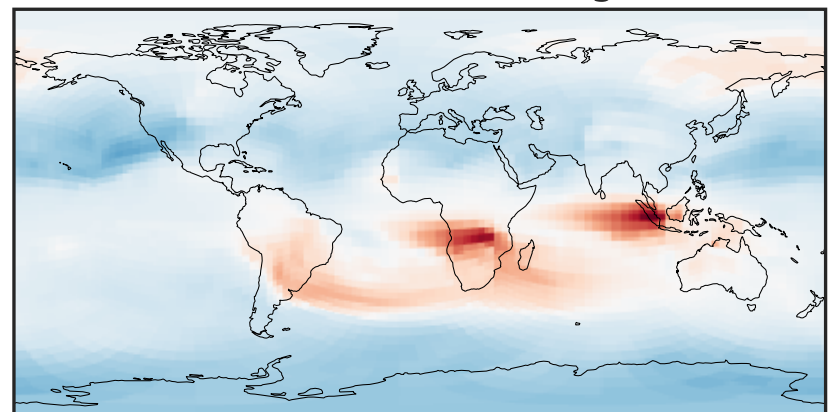
-0.004 0.000 0.004
ppb

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



0.472 0.736 1.000 1.560 2.119
unitless

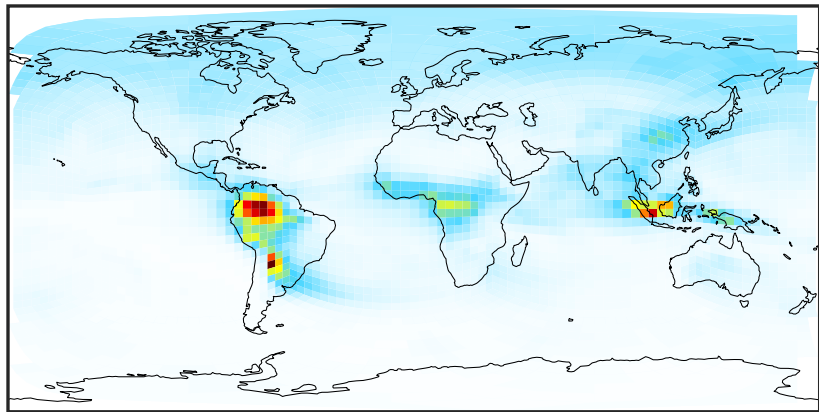
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

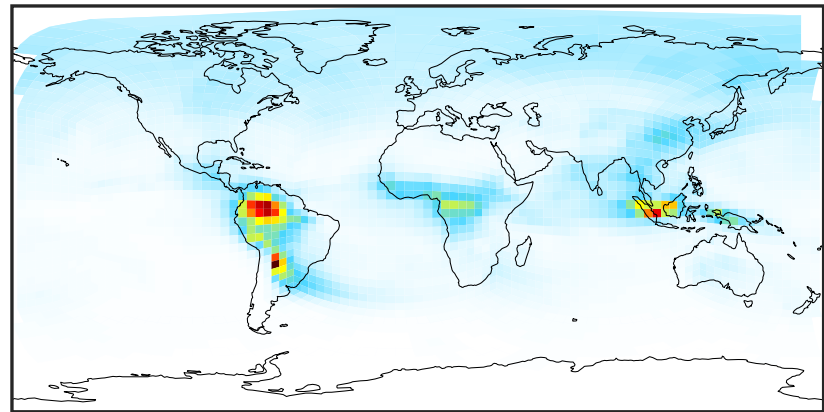
SpeciesConcVW_ALD2 (Oct2019)

GCHP_14.0.0 (Ref)
c24



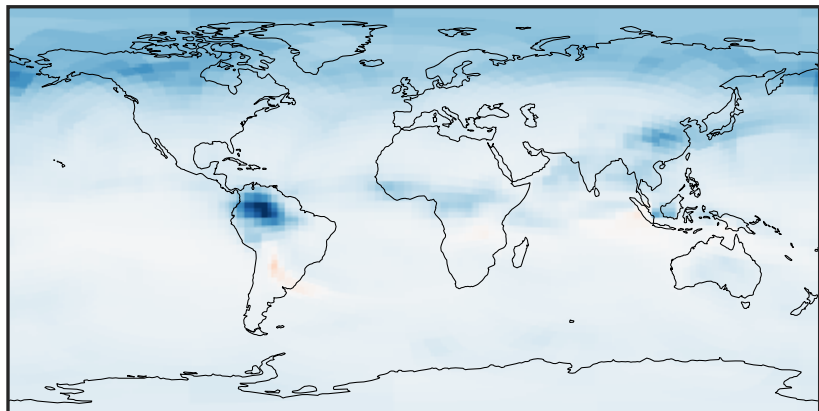
0.0007 0.0544 0.1088 0.1632 0.2183
ppb

GCHP_14.2.0 (Dev)
c24



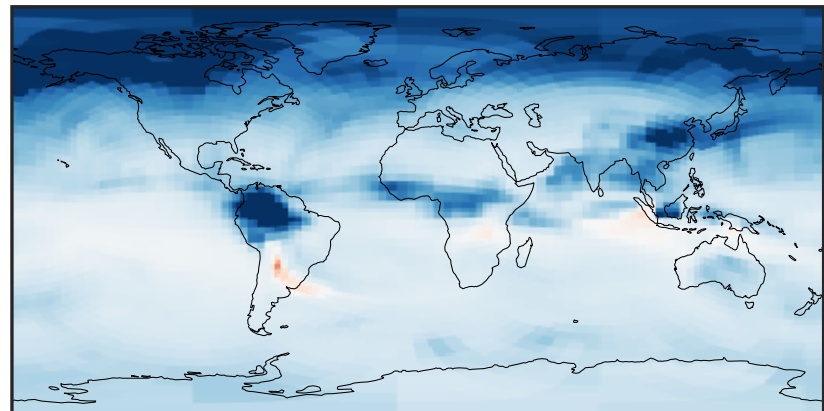
0.0007 0.0544 0.1088 0.1632 0.2183
ppb

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



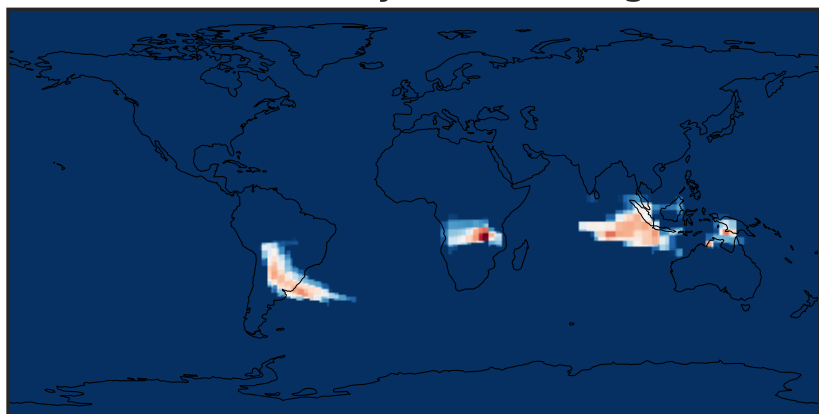
-0.008 0.000 0.008
ppb

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



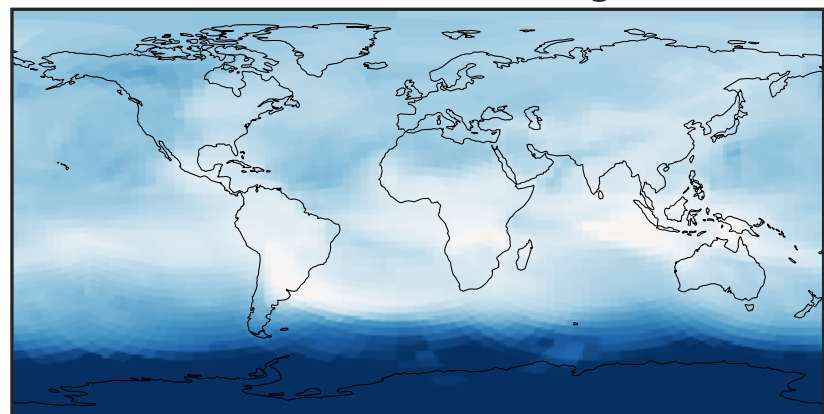
-0.004 0.000 0.004
ppb

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



0.95744 0.97872 1.00000 1.02222 1.04445
unitless

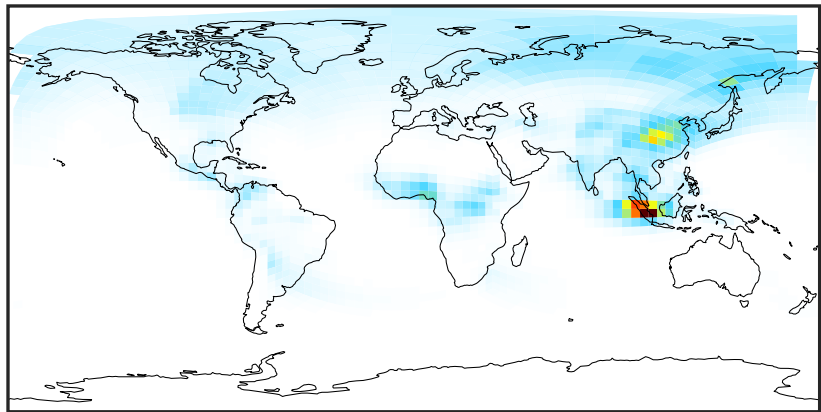
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

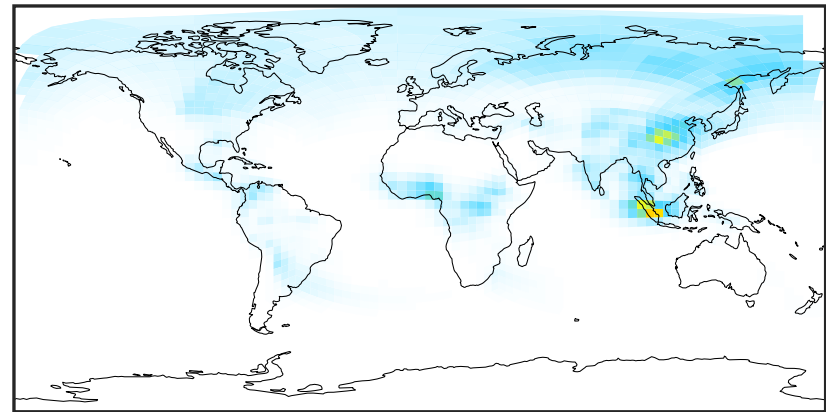
SpeciesConcVV_BALD (Oct2019)

GCHP_14.0.0 (Ref)
c24



0.00025 0.00050 0.00075
ppb

GCHP_14.2.0 (Dev)
c24



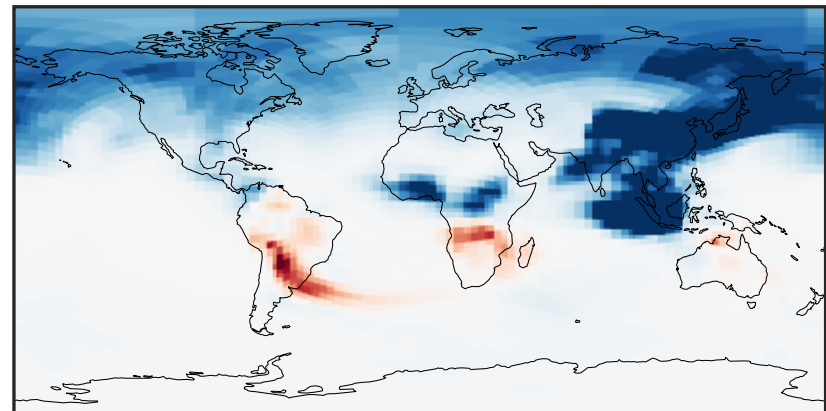
0.00025 0.00050 0.00075
ppb

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



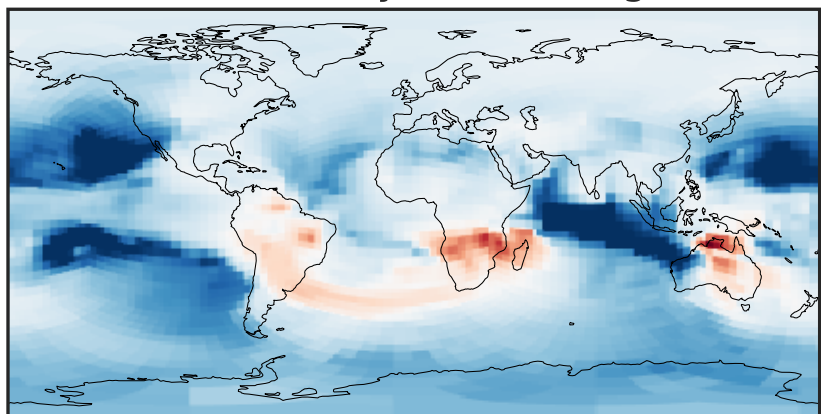
-0.0002 0.0000 0.0002
ppb

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



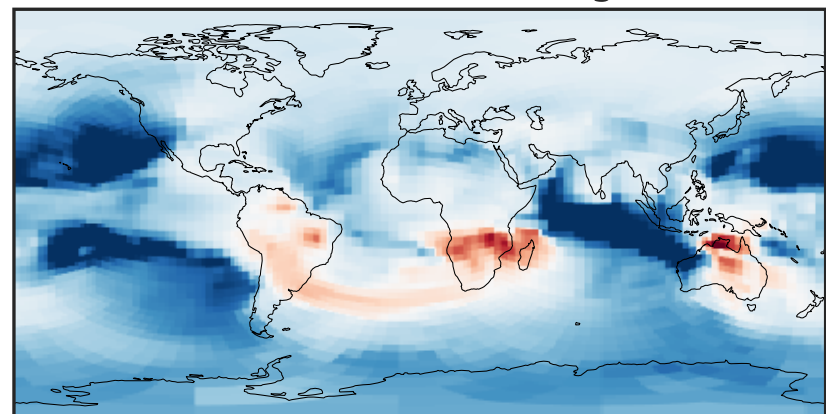
-5 0 5
ppb $1e-6$

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



0.448 0.724 1.000 1.615 2.230
unitless

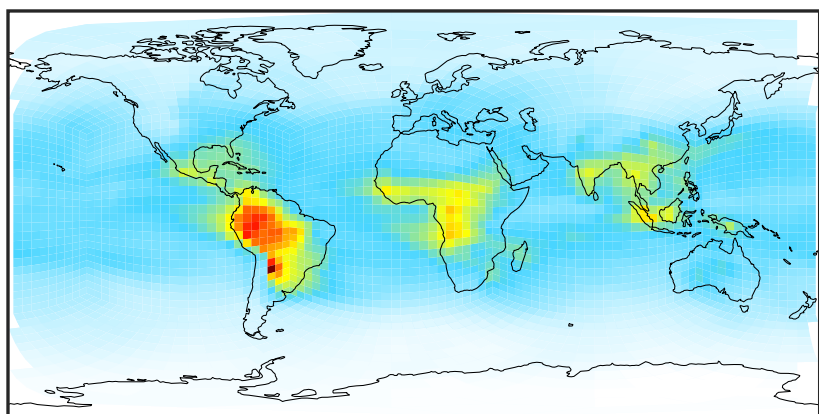
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

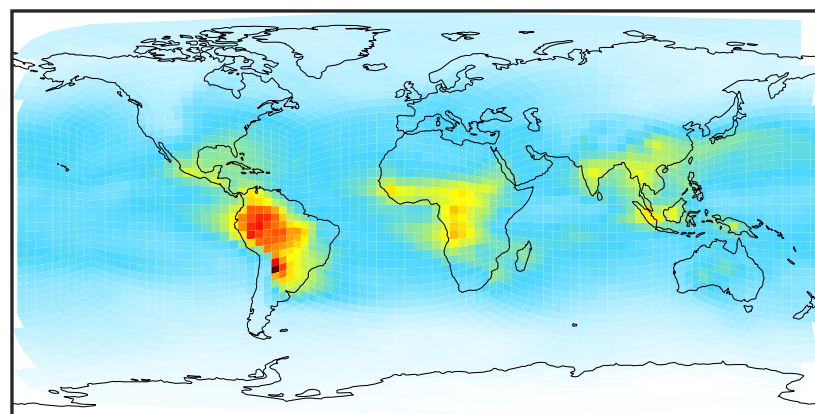
SpeciesConcVV_CH20 (Oct2019)

GCHP_14.0.0 (Ref)
c24



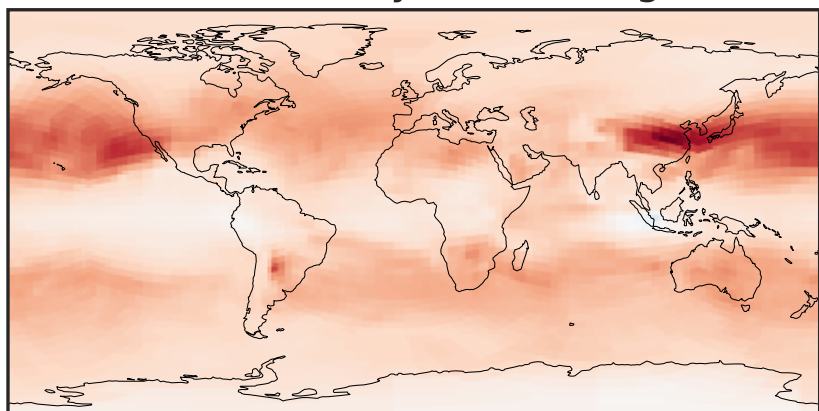
0.0161 0.1468 0.2937 0.4405 0.6034
ppb

GCHP_14.2.0 (Dev)
c24



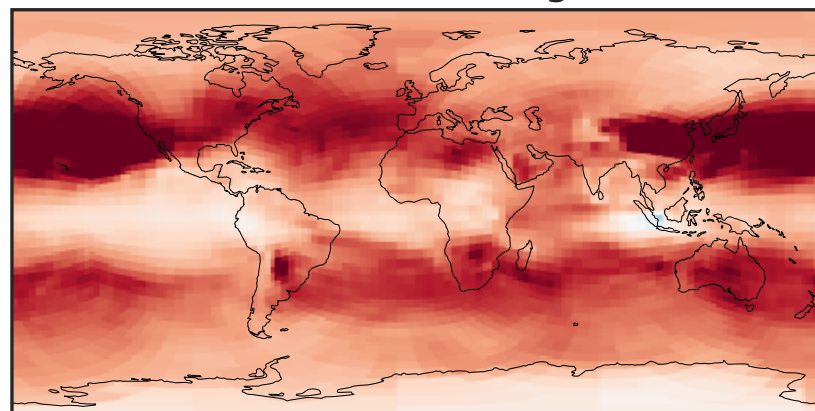
0.0161 0.1468 0.2937 0.4405 0.6034
ppb

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



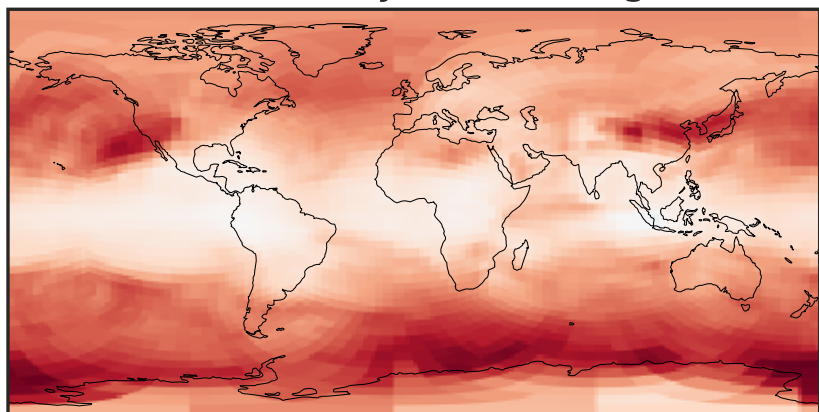
-0.025 0.000 0.025
ppb

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



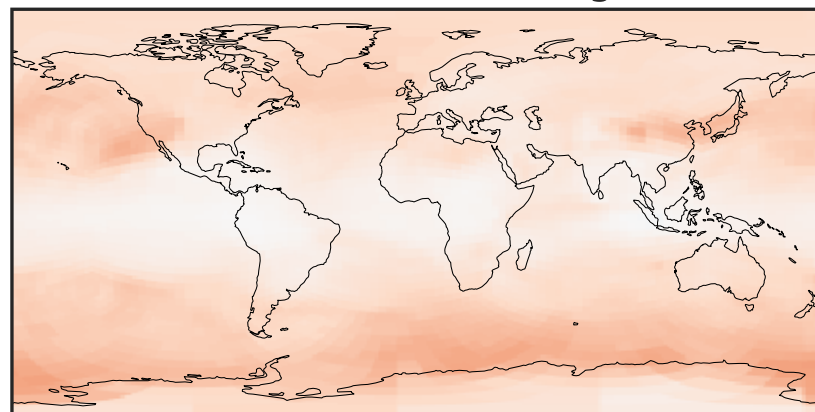
-0.01 0.00 0.01
ppb

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



0.7521 0.8761 1.0000 1.1648 1.3295
unitless

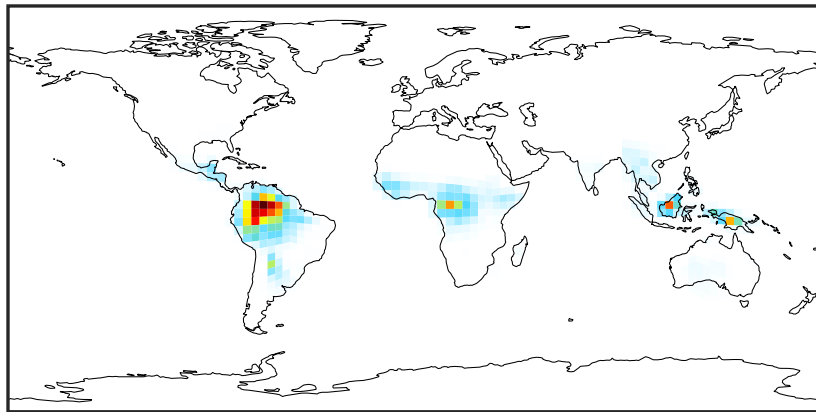
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

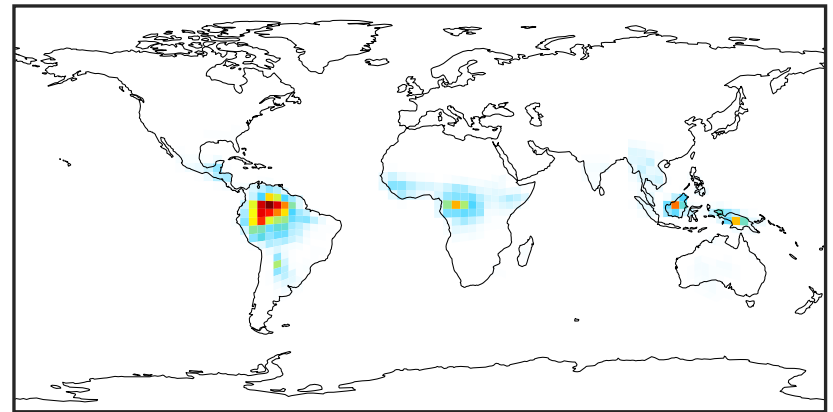
SpeciesConcVV_HPALDs (Oct2019)

GCHP_14.0.0 (Ref)
c24



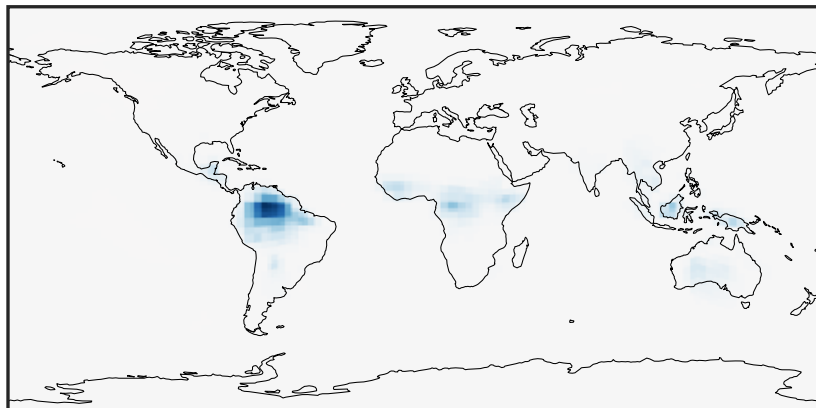
0.000 0.002 0.004 0.006
ppb

GCHP_14.2.0 (Dev)
c24



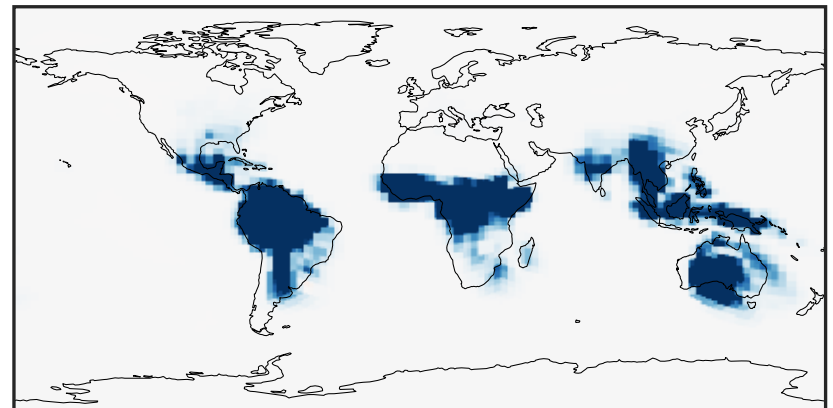
0.000 0.002 0.004 0.006
ppb

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



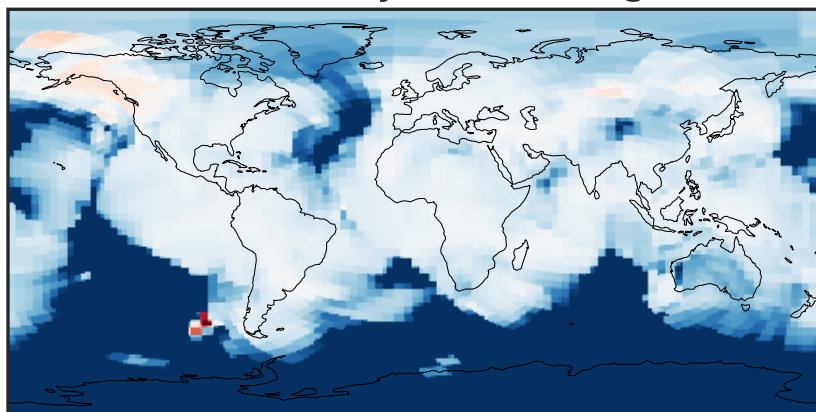
-0.0002 0.0000 0.0002
ppb

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



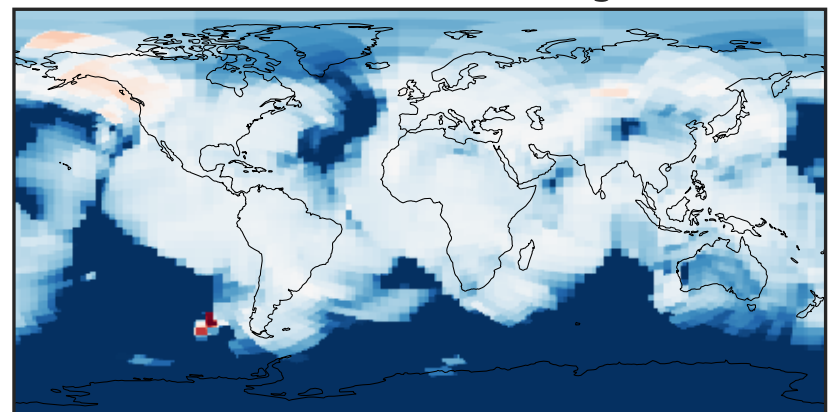
-3 0 3
ppb 1e-6

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



0.441 0.721 1.000 1.633 2.266
unitless

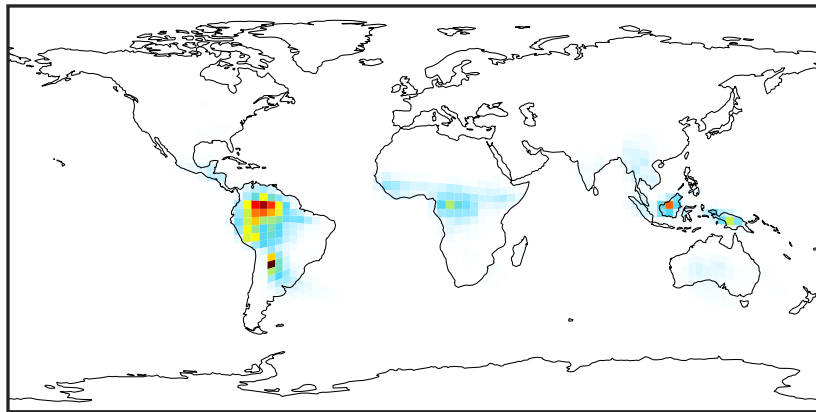
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

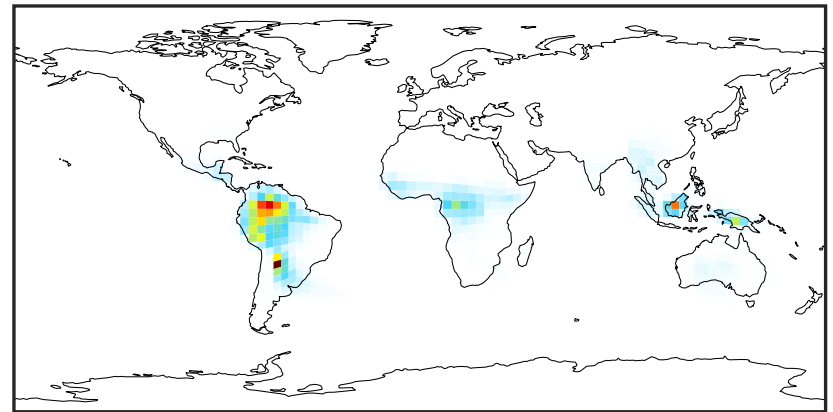
SpeciesConcVV_MACR (Oct2019)

GCHP_14.0.0 (Ref)
c24



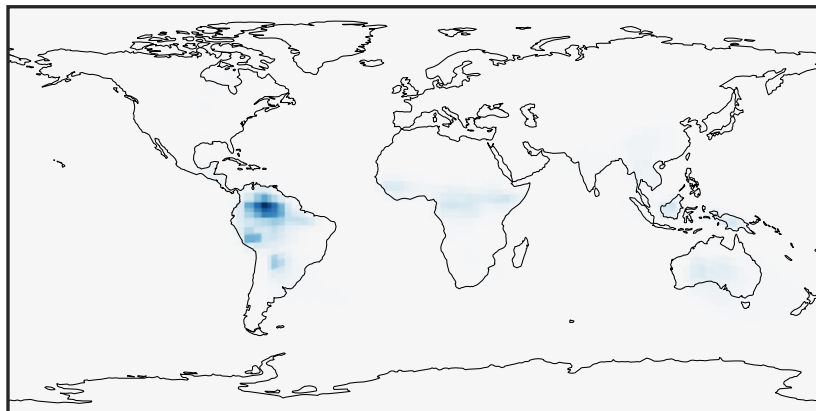
0.000 0.025 0.050 0.075
ppb

GCHP_14.2.0 (Dev)
c24



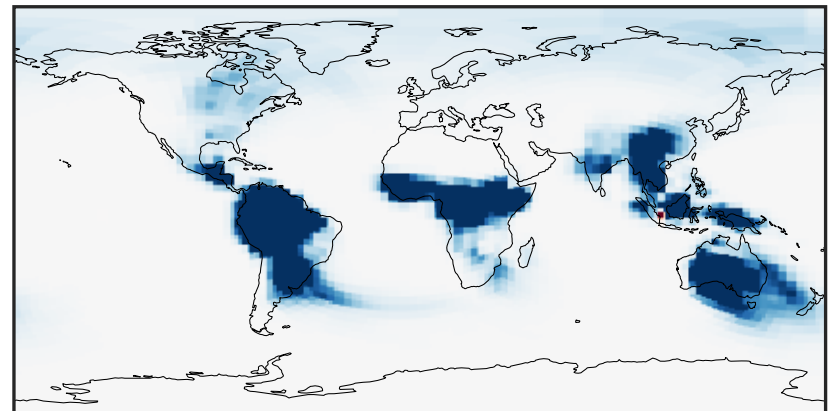
0.000 0.025 0.050 0.075
ppb

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



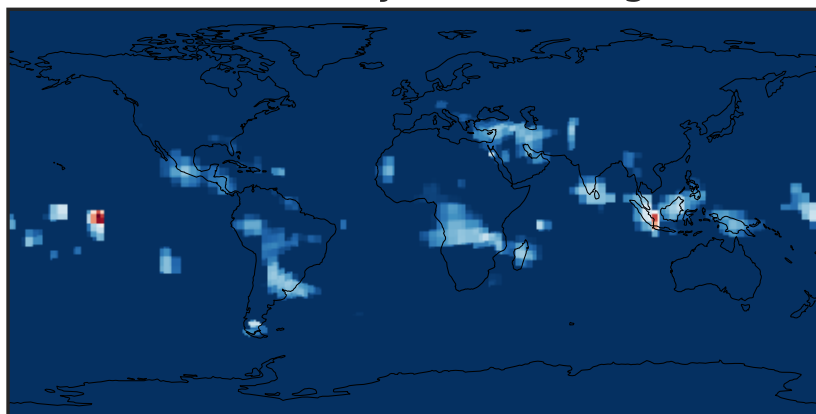
-0.004 0.000 0.004
ppb

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



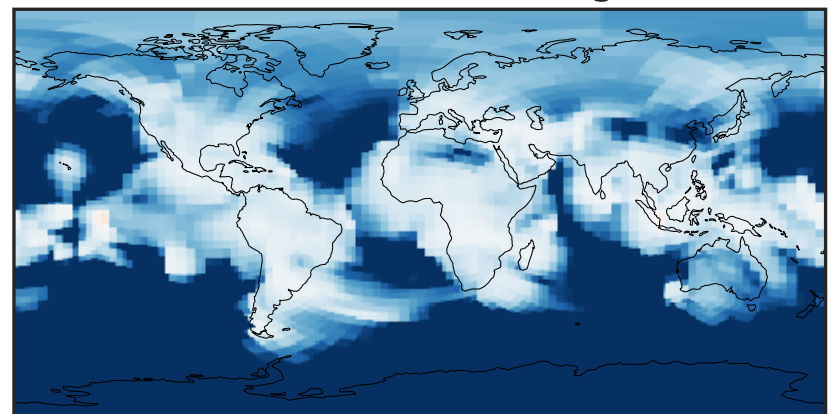
-8 0 8
ppb $1e-5$

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



0.9201 0.9600 1.0000 1.0434 1.0869
unitless

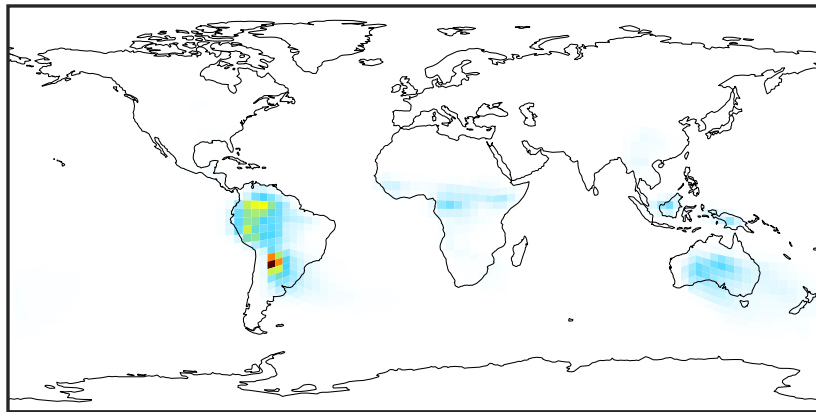
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

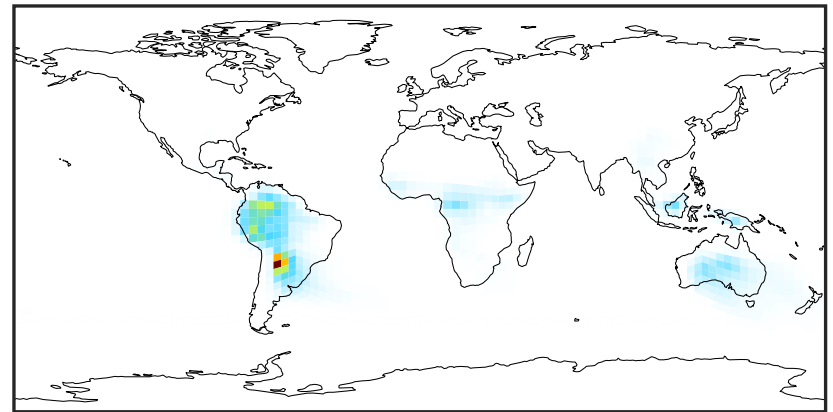
SpeciesConcVV_IEPOX (Oct2019)

GCHP_14.0.0 (Ref)
c24



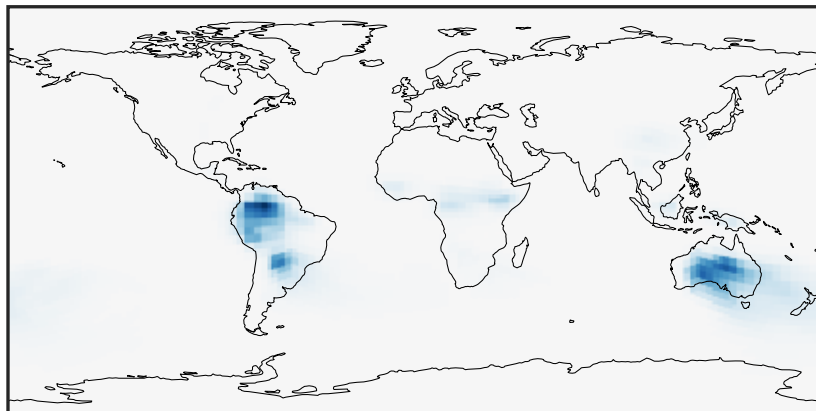
0.0000 0.0467 0.0935 0.1402 0.1869
ppb

GCHP_14.2.0 (Dev)
c24



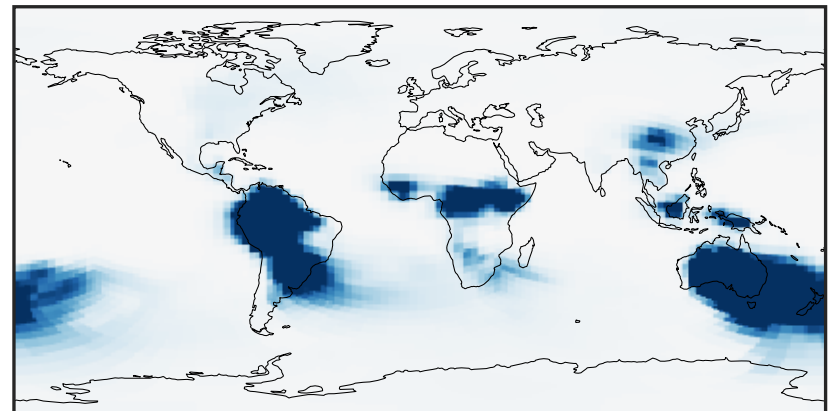
0.0000 0.0467 0.0935 0.1402 0.1869
ppb

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



-0.008 0.000 0.008
ppb

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



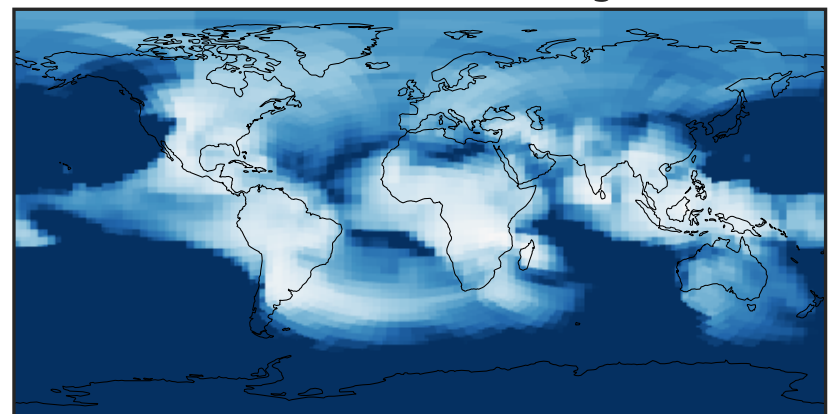
-0.0005 0.0000 0.0005
ppb

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



0.995189 0.997594 1.000000 1.002417 1.004834
unitless

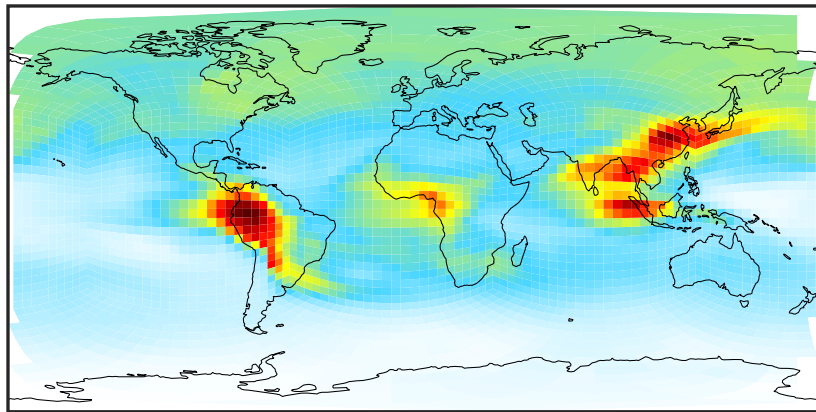
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

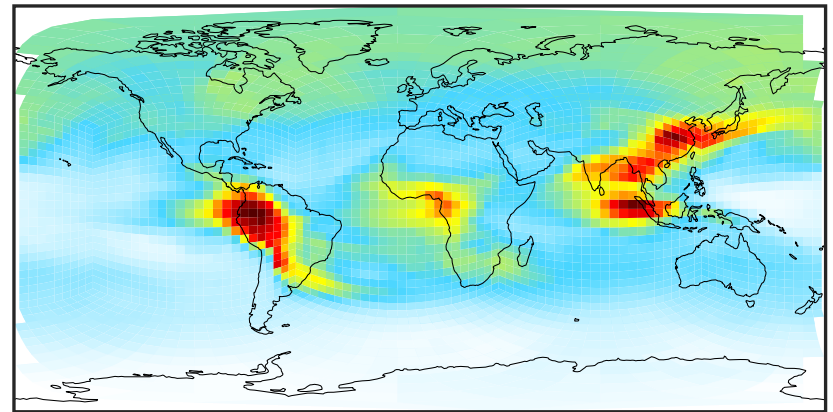
SpeciesConcVV_ACET (Oct2019)

GCHP_14.0.0 (Ref)
c24



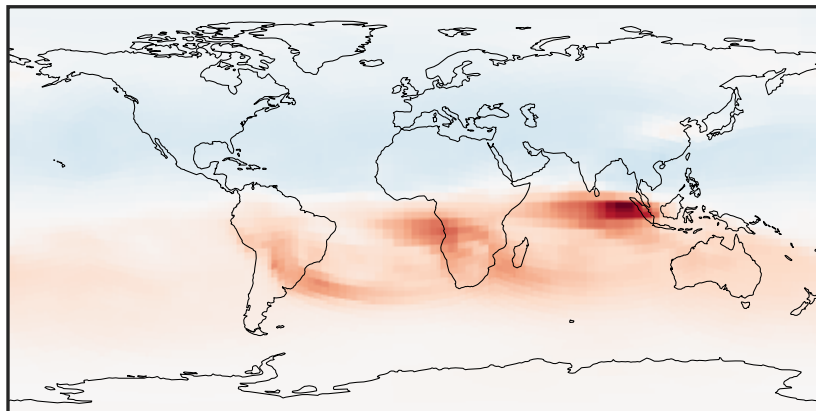
0.24 1.0433 0.865 1.298 1.972
ppb

GCHP_14.2.0 (Dev)
c24



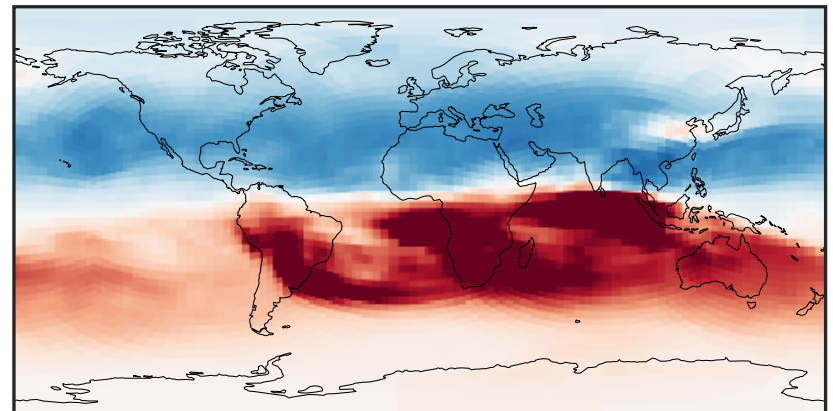
0.24 1.0433 0.865 1.298 1.972
ppb

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



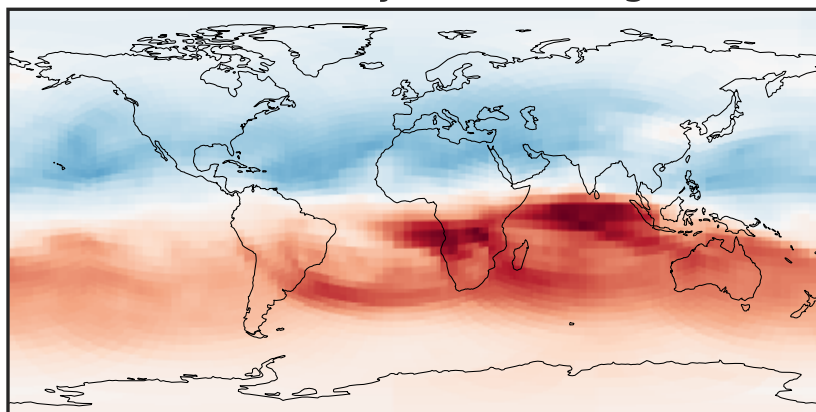
-0.1685 -0.0843 0.0000 0.0843 0.1685
ppb

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



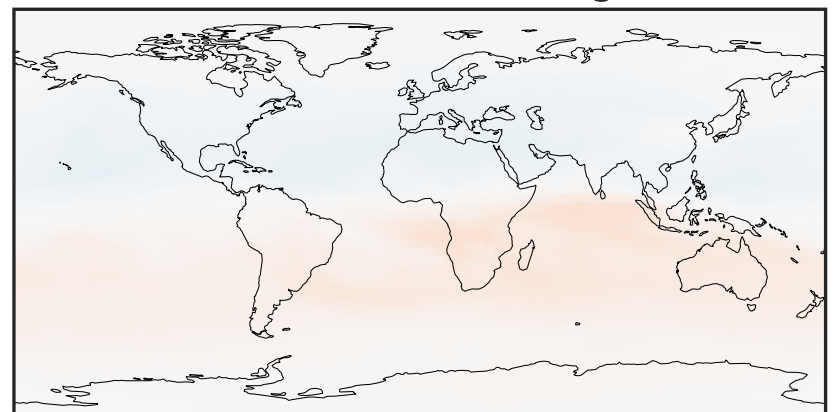
-0.025 0.000 0.025
ppb

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



0.8985 0.9493 1.0000 1.0565 1.1129
unitless

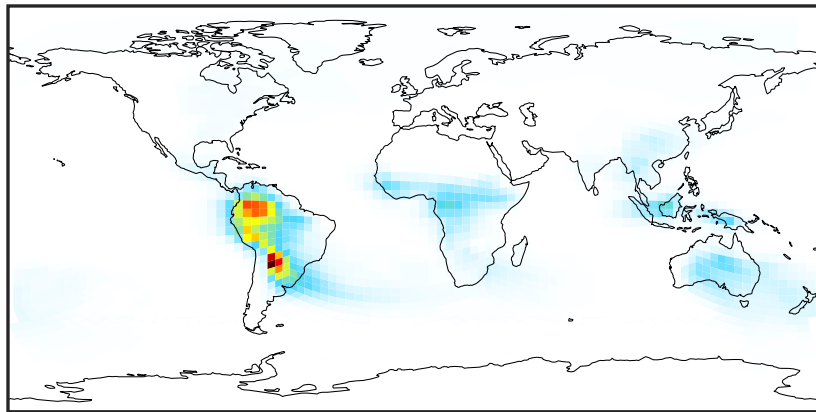
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

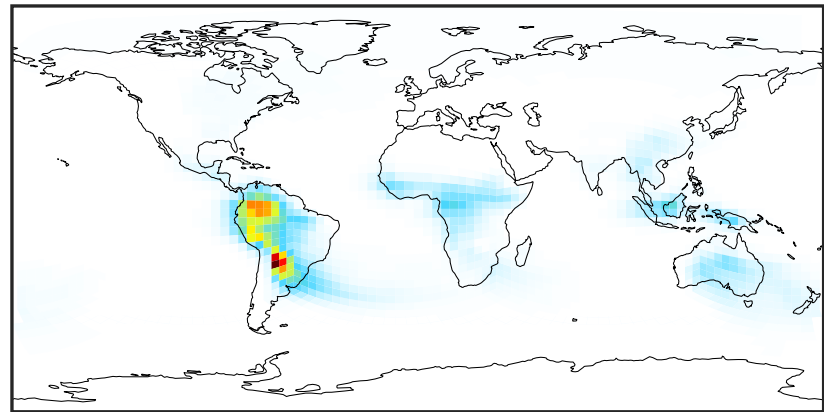
SpeciesConcVV_HAC (Oct2019)

GCHP_14.0.0 (Ref)
c24



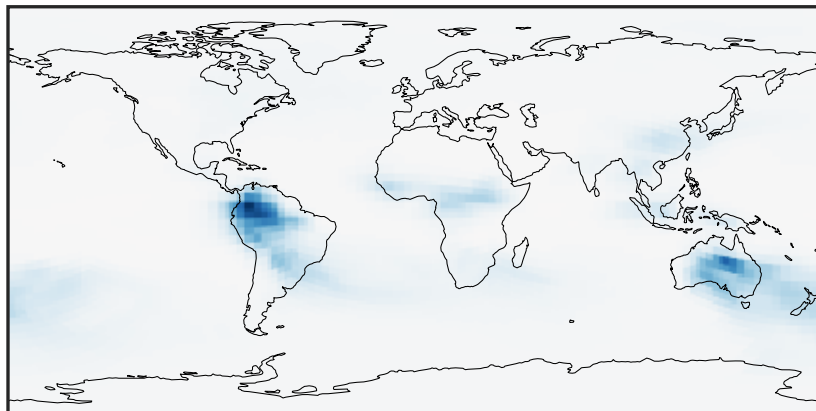
0.0001 0.0776 0.1552 0.2328 0.3106
ppb

GCHP_14.2.0 (Dev)
c24



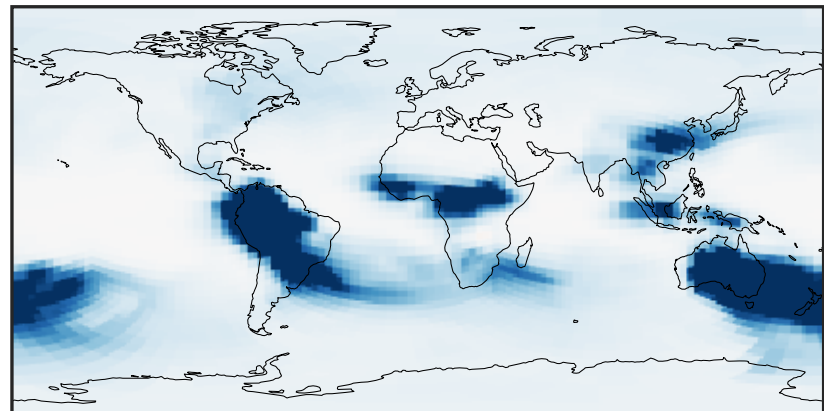
0.0001 0.0776 0.1552 0.2328 0.3106
ppb

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



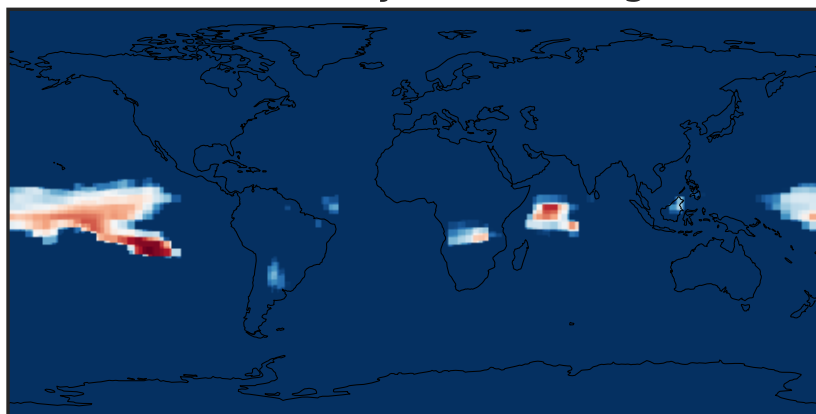
-0.01 0.00 0.01
ppb

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



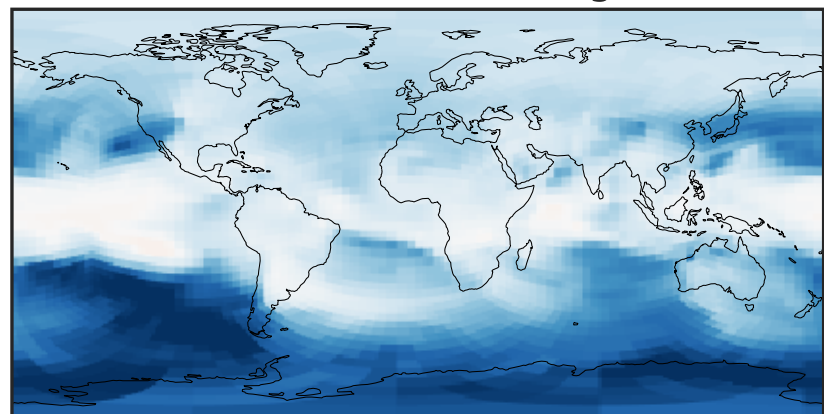
-0.0015 0.0000 0.0015
ppb

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



0.96925 0.98463 1.00000 1.01586 1.03172
unitless

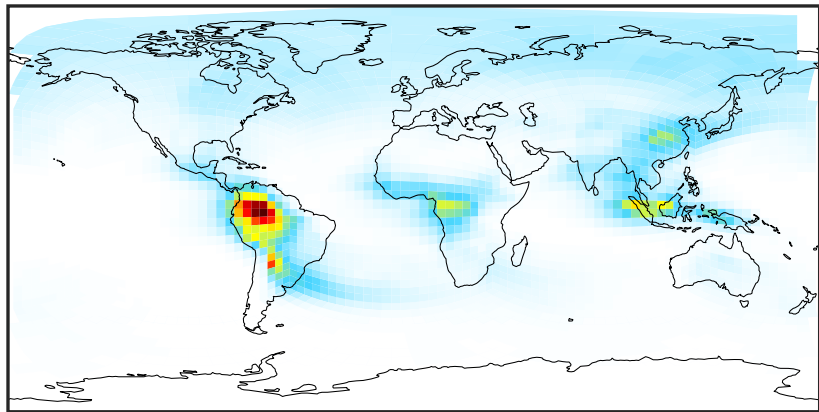
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

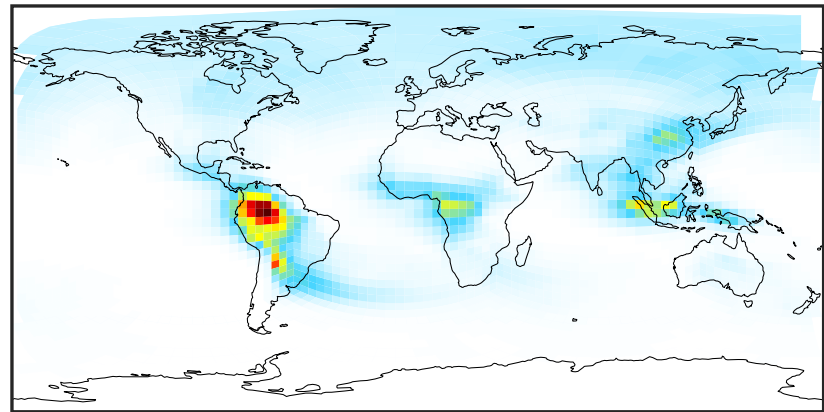
SpeciesConcVV_MEK (Oct2019)

GCHP_14.0.0 (Ref)
c24



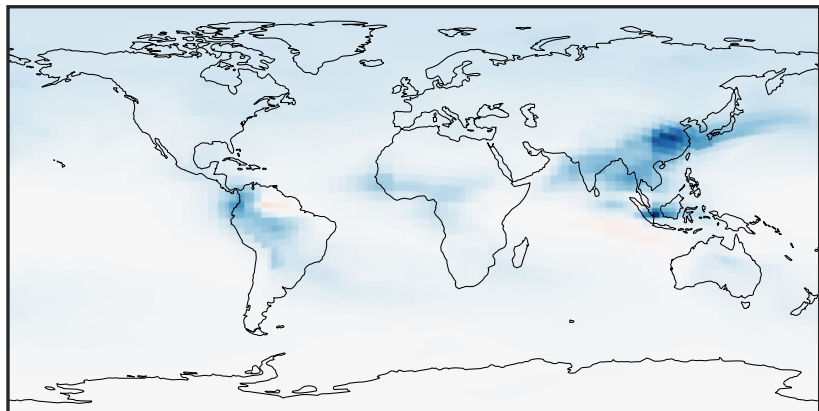
0.0000 0.0754 0.1507 0.2261 0.3015
ppb

GCHP_14.2.0 (Dev)
c24



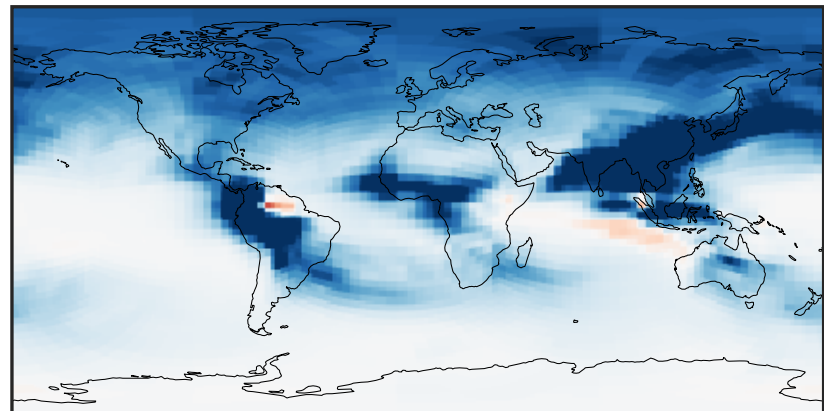
0.0000 0.0754 0.1507 0.2261 0.3015
ppb

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



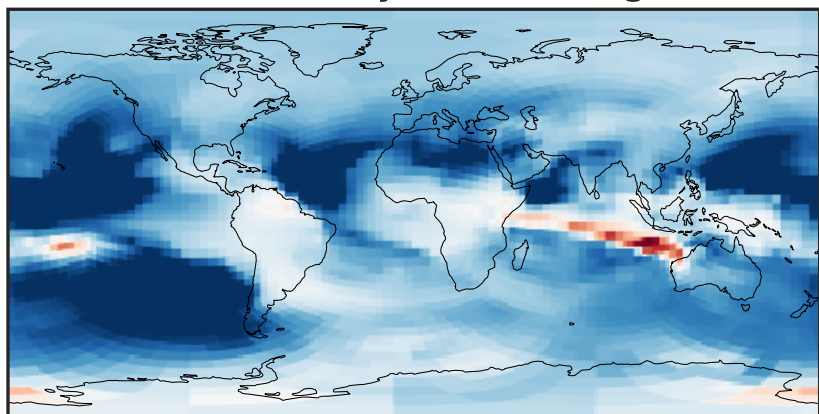
-0.003 0.000 0.003
ppb

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



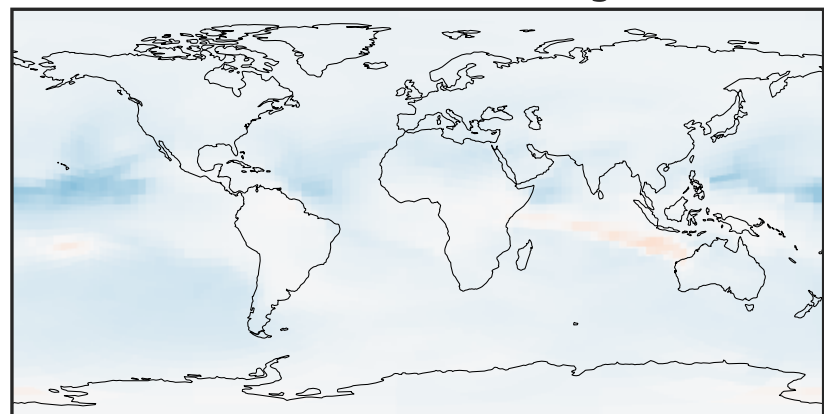
-0.0006 0.0000 0.0006
ppb

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



0.8994 0.9497 1.0000 1.0559 1.1118
unitless

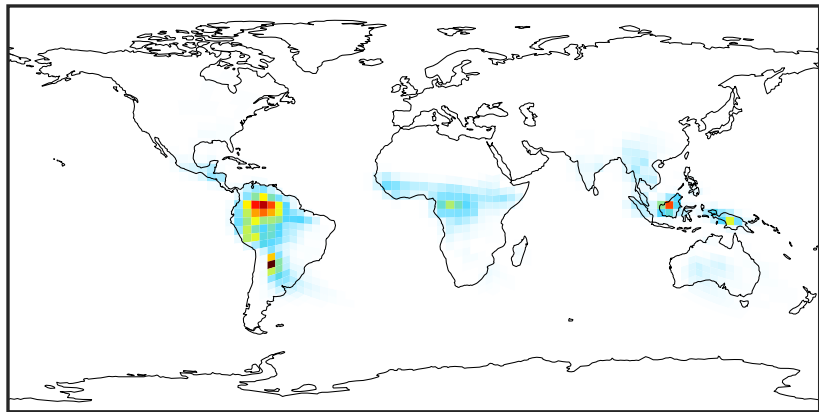
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

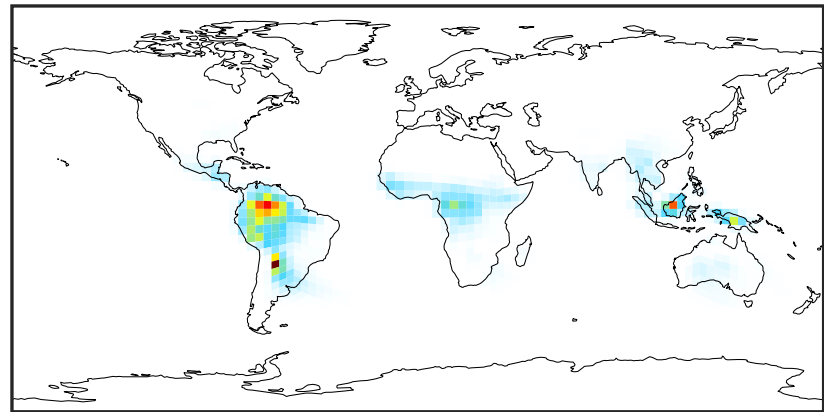
SpeciesConcVW_MVK (Oct2019)

GCHP_14.0.0 (Ref)
c24



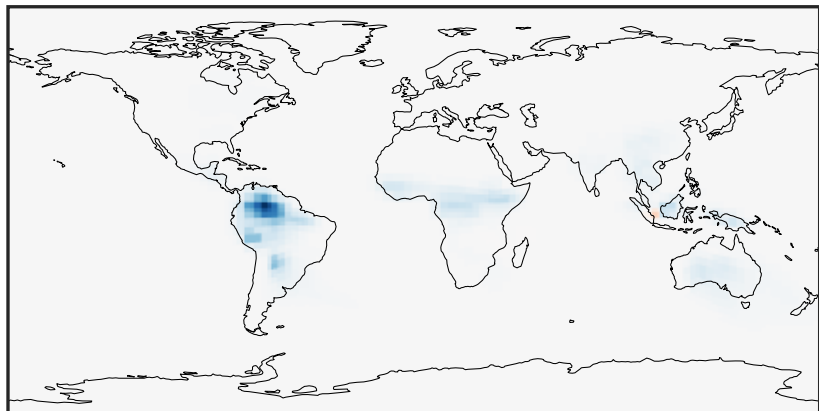
0.0000 0.0352 0.0704 0.1056 0.1408
ppb

GCHP_14.2.0 (Dev)
c24



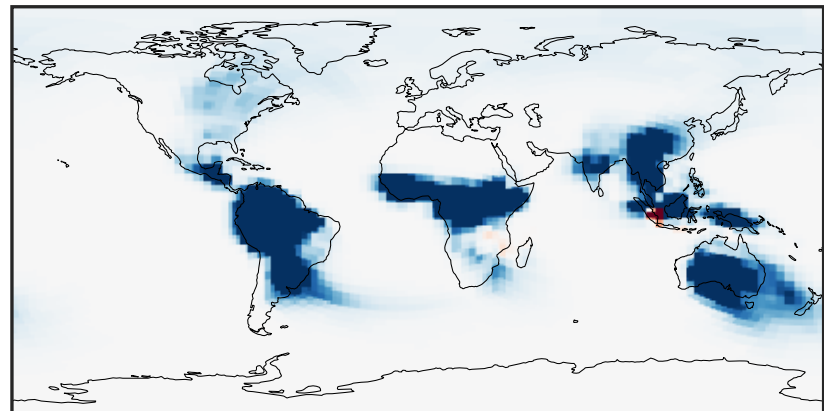
0.0000 0.0352 0.0704 0.1056 0.1408
ppb

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



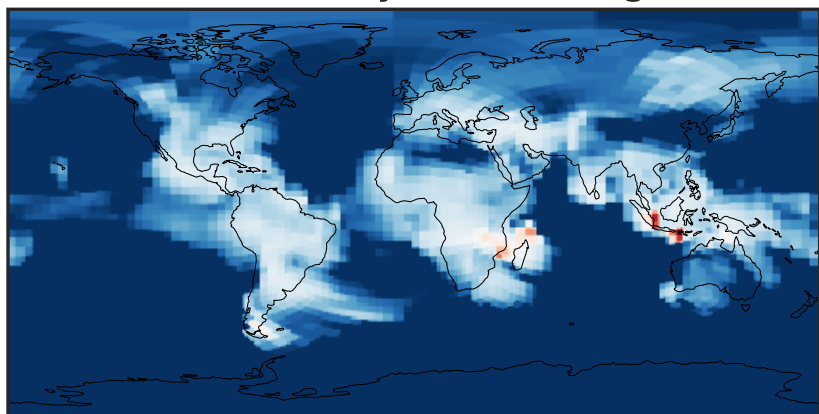
-0.008 0.000 0.008
ppb

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



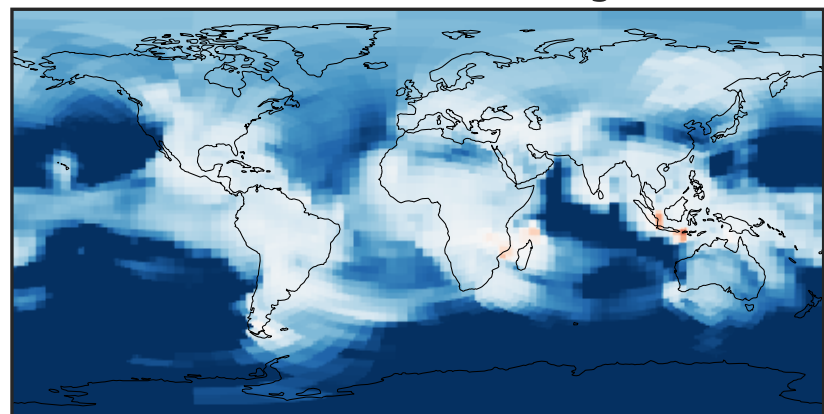
-0.00025 0.00000 0.00025
ppb

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



0.6950 0.8475 1.0000 1.2194 1.4389
unitless

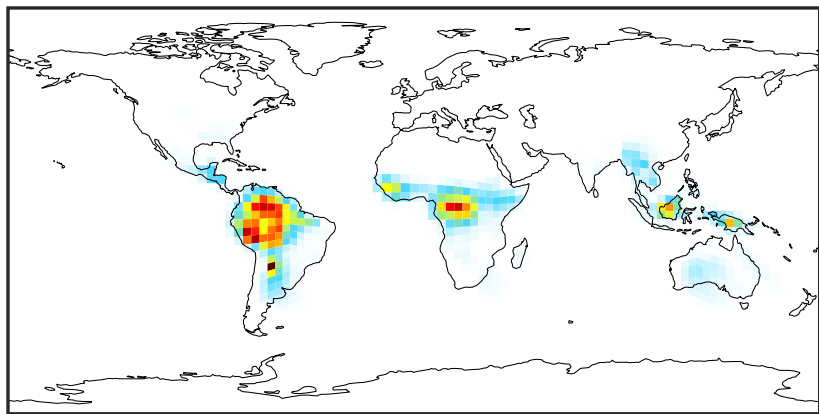
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

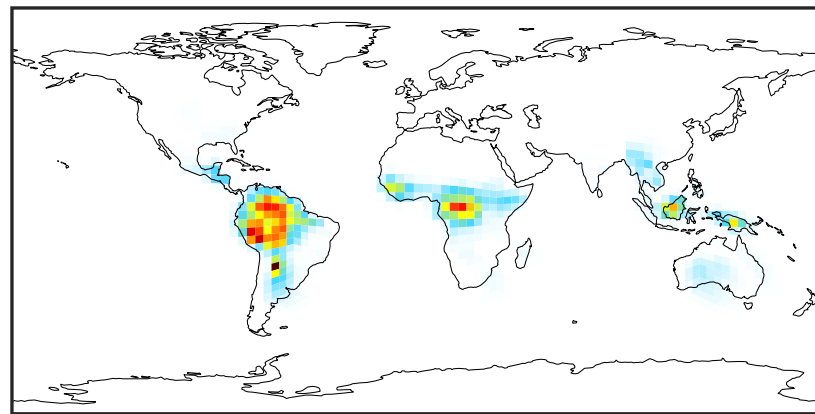
SpeciesConcVV_ISOPN (Oct2019)

GCHP_14.0.0 (Ref)
c24



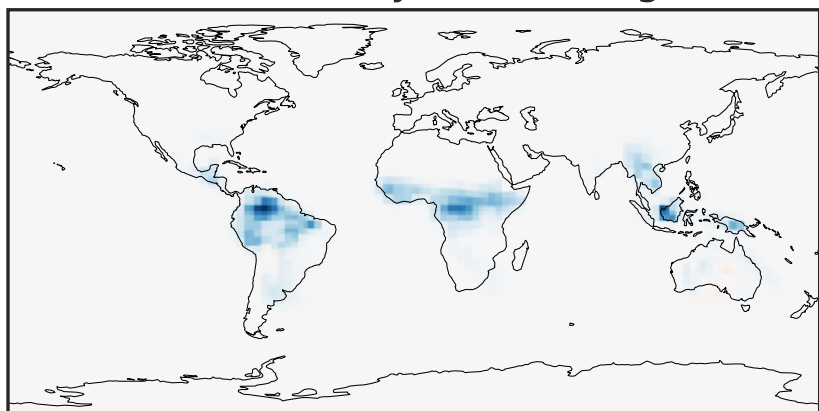
0.0000 0.0004 0.0008 0.0012
ppb

GCHP_14.2.0 (Dev)
c24



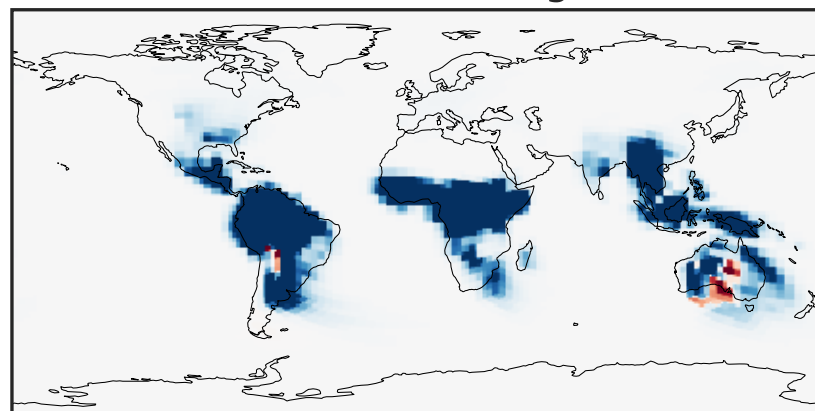
0.0000 0.0004 0.0008 0.0012
ppb

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



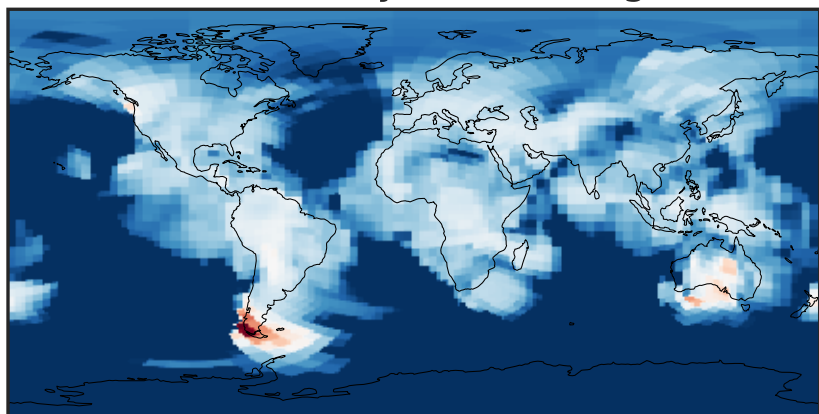
-8 0 8
ppb $1e-5$

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



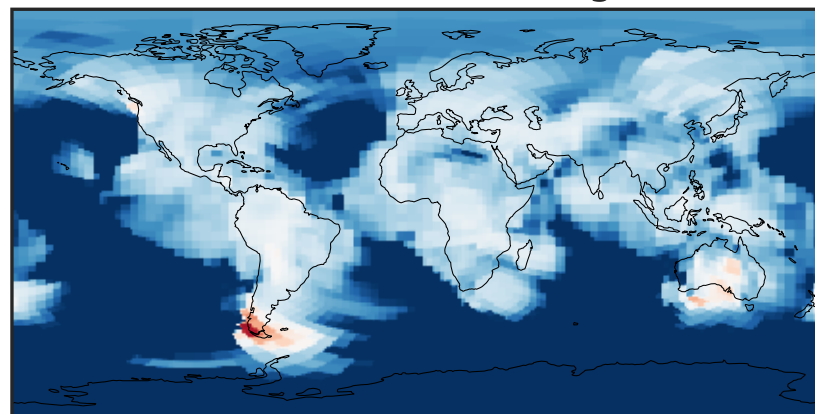
-4 0 4
ppb $1e-6$

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



0.562 0.781 1.000 1.390 1.780
unitless

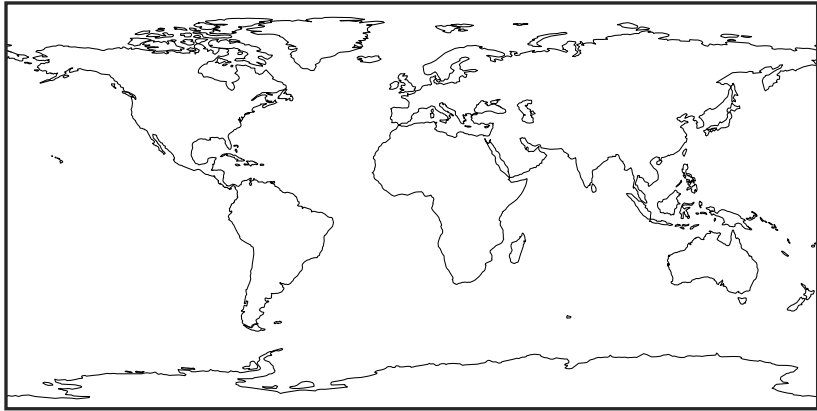
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_FURA (Oct2019)

GCHP_14.0.0 (Ref)
c24



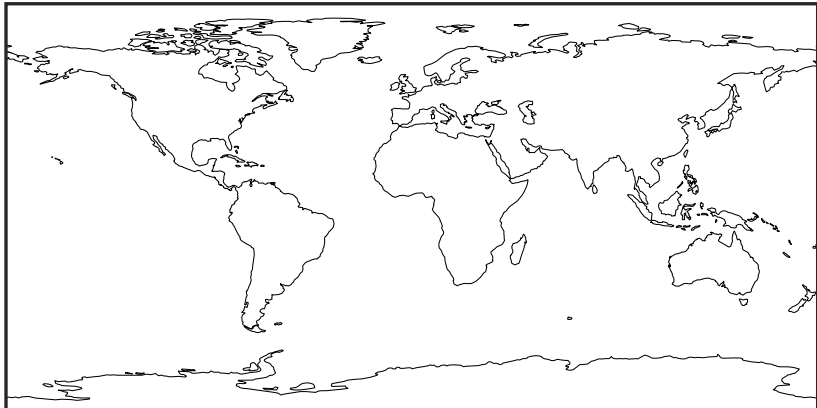
Undefined throughout domain
ppb

GCHP_14.2.0 (Dev)
c24



0.0000 0.0025 0.0050 0.0075
ppb

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



Undefined throughout domain
ppb

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



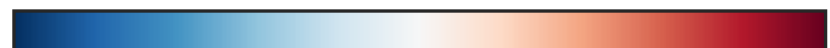
Undefined throughout domain
ppb

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



Undefined throughout domain
unitless

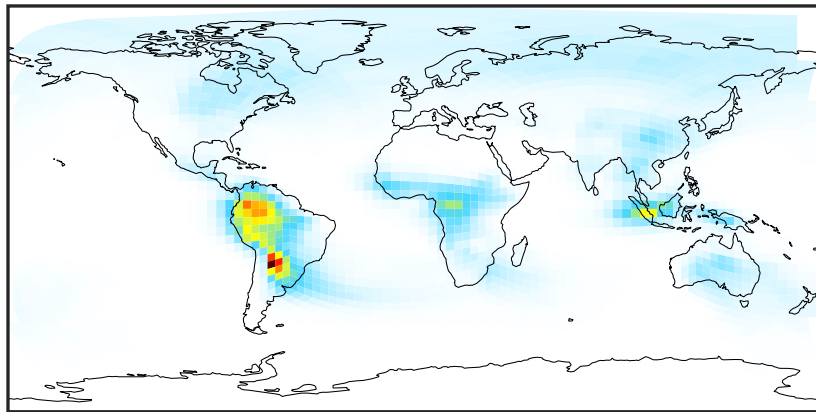
Ratio (1x1.25)
Dev/Ref, Fixed Range



Undefined throughout domain
unitless

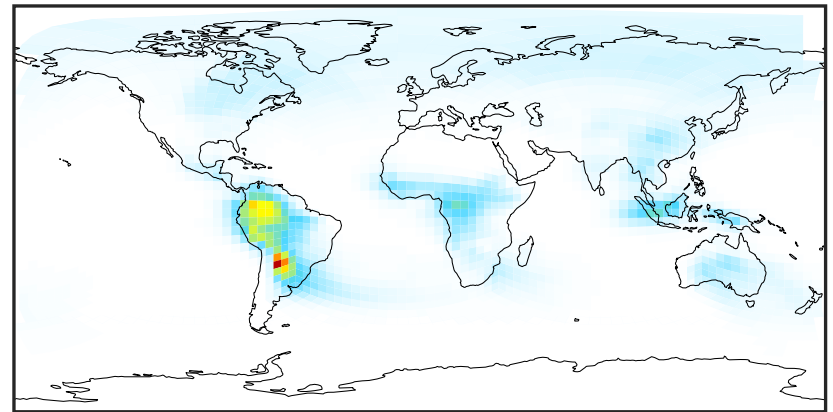
SpeciesConcVV_GLYC (Oct2019)

GCHP_14.0.0 (Ref)
c24



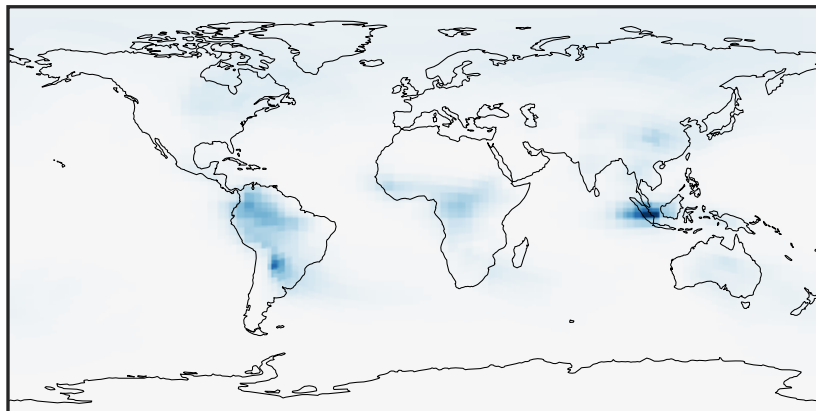
0.0000 0.0472 0.0943 0.1415 0.1886
ppb

GCHP_14.2.0 (Dev)
c24



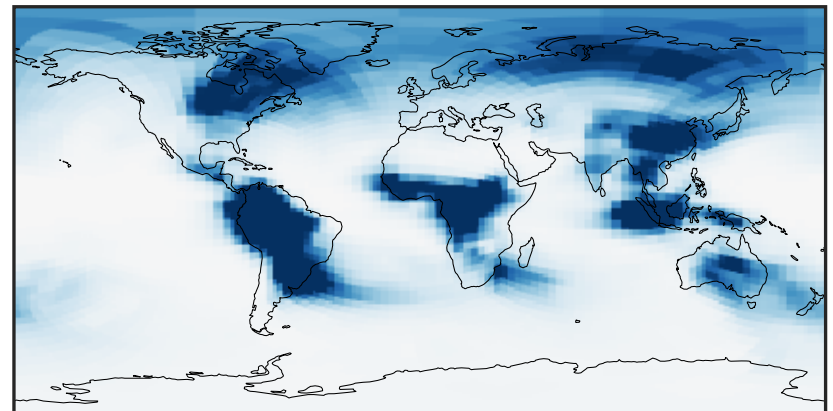
0.0000 0.0472 0.0943 0.1415 0.1886
ppb

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



-0.02 0.00 0.02
ppb

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



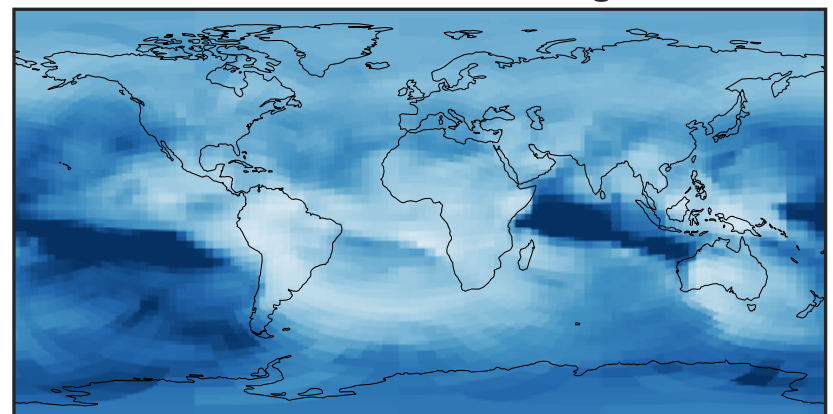
-0.0025 0.0000 0.0025
ppb

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



0.8928 0.9464 1.0000 1.0600 1.1201
unitless

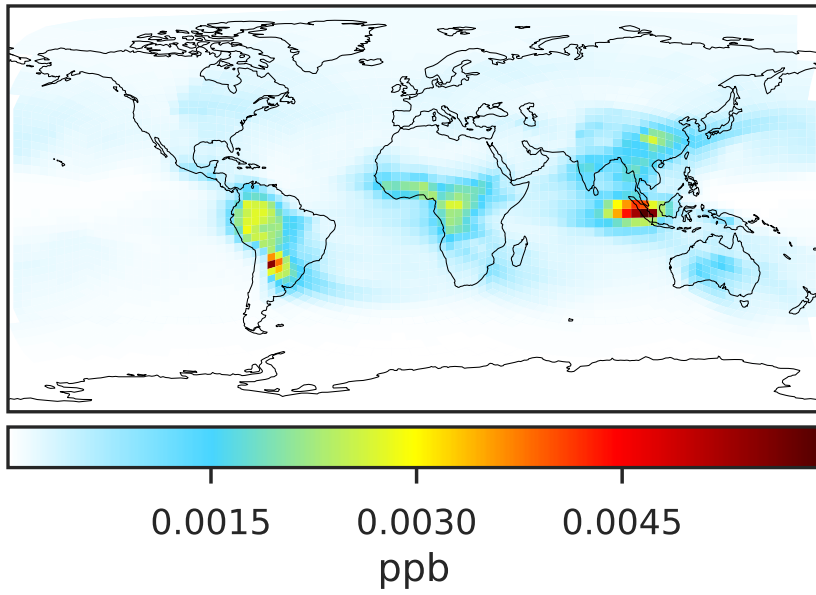
Ratio (1x1.25)
Dev/Ref, Fixed Range



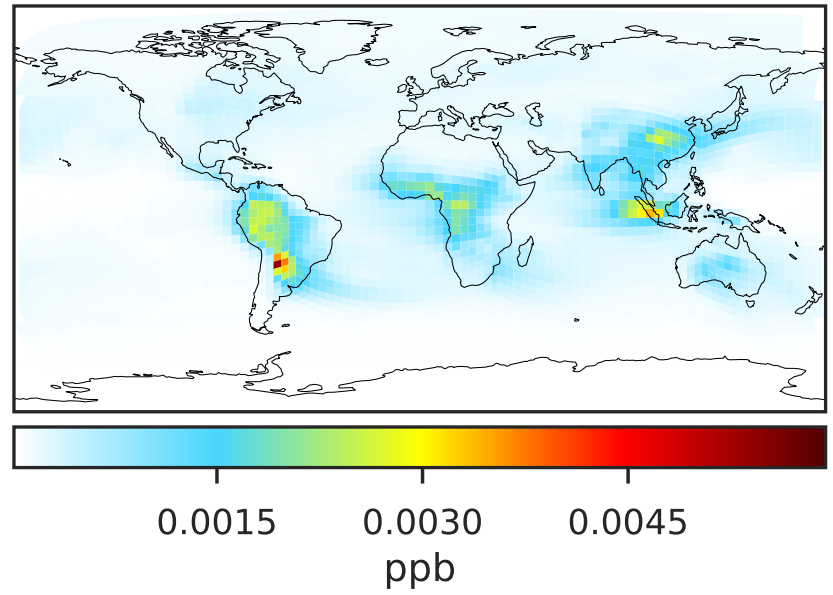
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_GLYX (Oct2019)

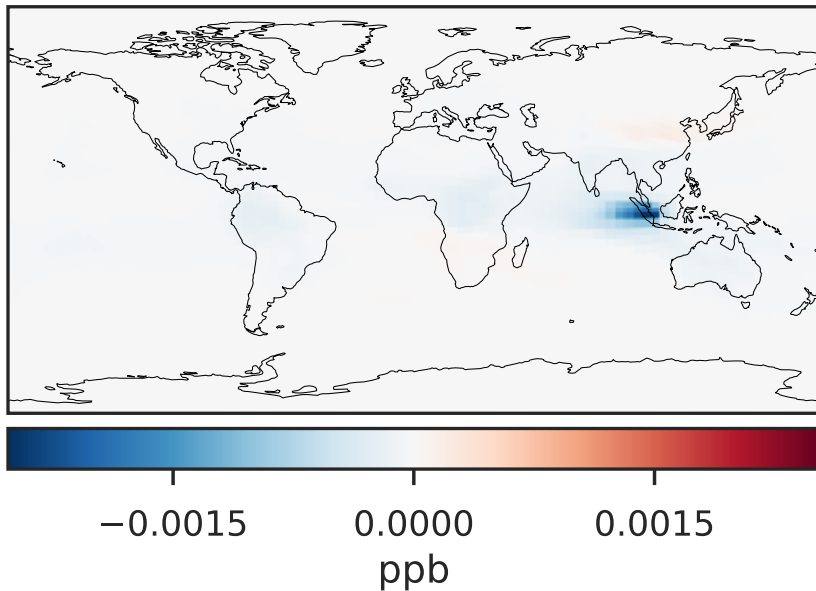
GCHP_14.0.0 (Ref)
c24



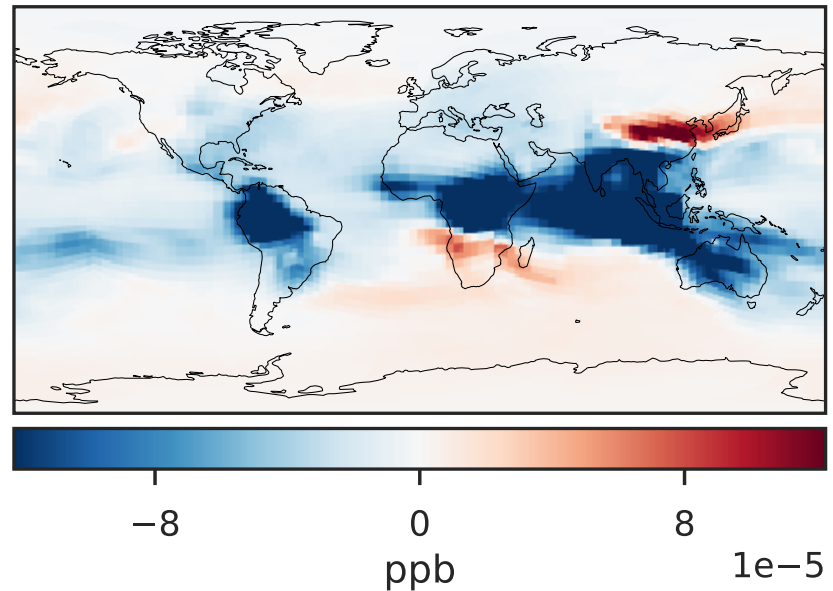
GCHP_14.2.0 (Dev)
c24



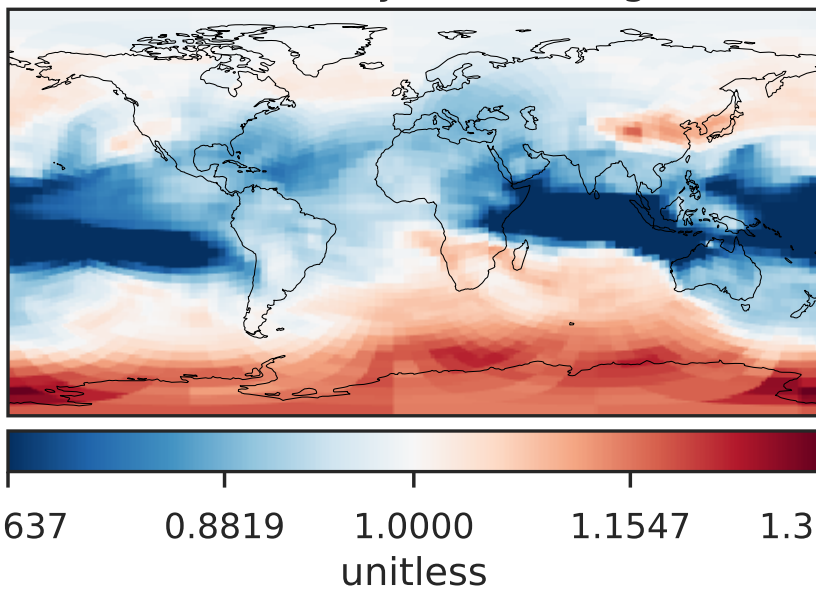
Difference (1x1.25)
Dev - Ref, Dynamic Range



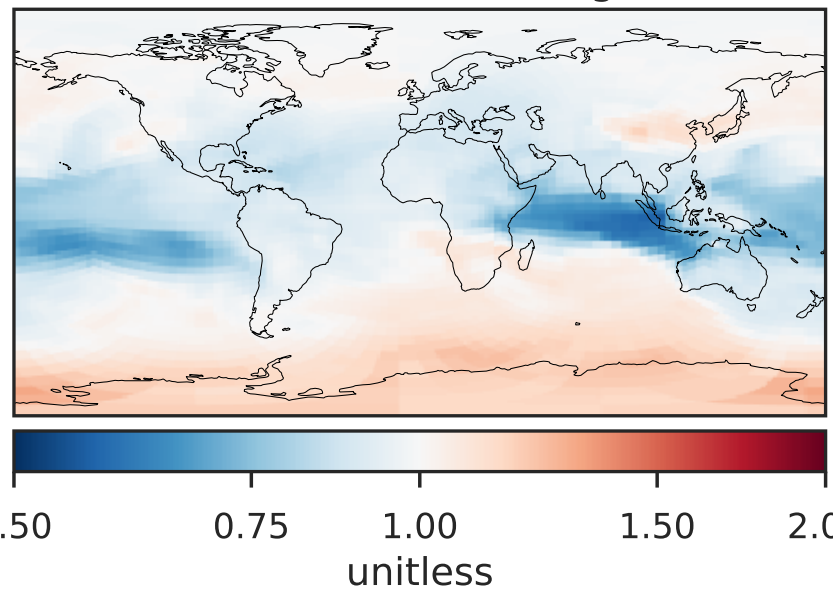
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

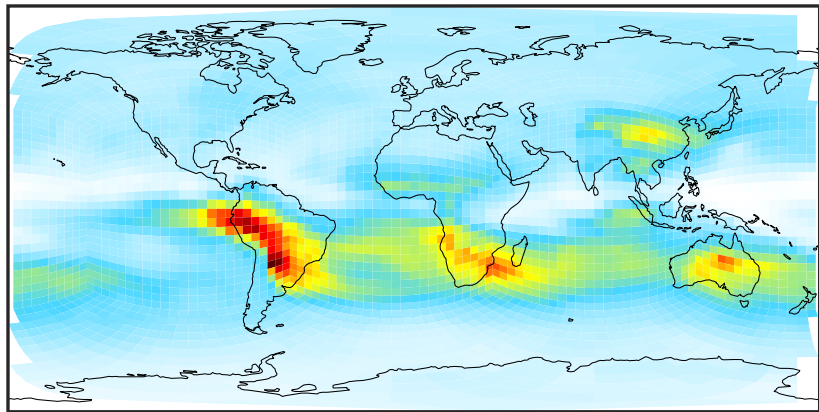


Ratio (1x1.25)
Dev/Ref, Fixed Range



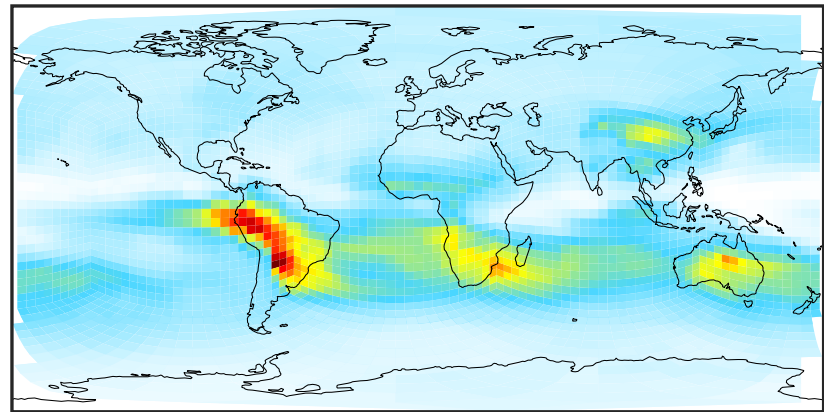
SpeciesConcVV_HCOOH (Oct2019)

GCHP_14.0.0 (Ref)
c24



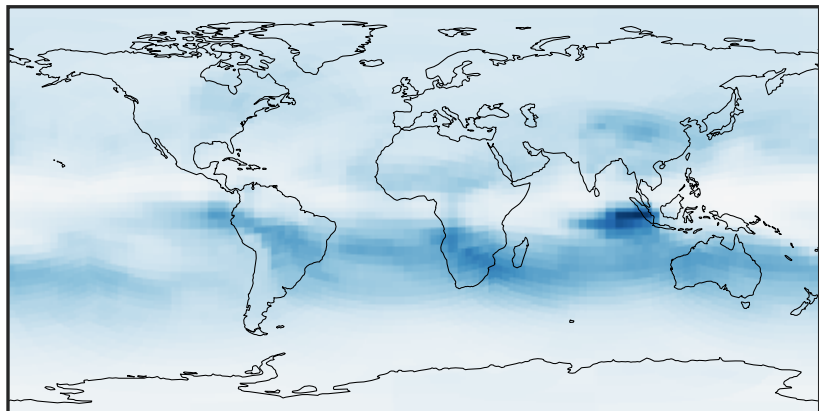
0.0014 0.1002 0.2004 0.3006 0.4021
ppb

GCHP_14.2.0 (Dev)
c24



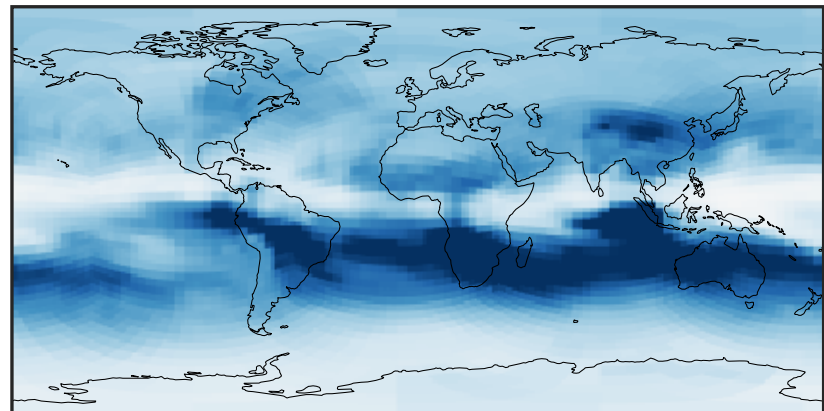
0.0014 0.1002 0.2004 0.3006 0.4021
ppb

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



-0.025 0.000 0.025
ppb

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



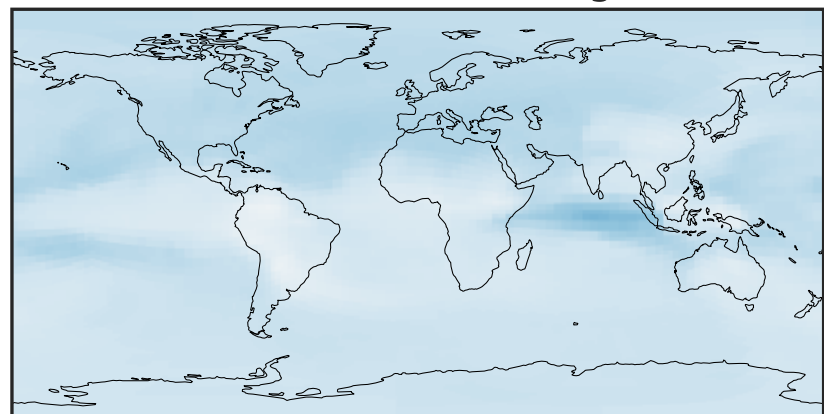
-0.01 0.00 0.01
ppb

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



0.96515 0.98258 1.00000 1.01805 1.03611
unitless

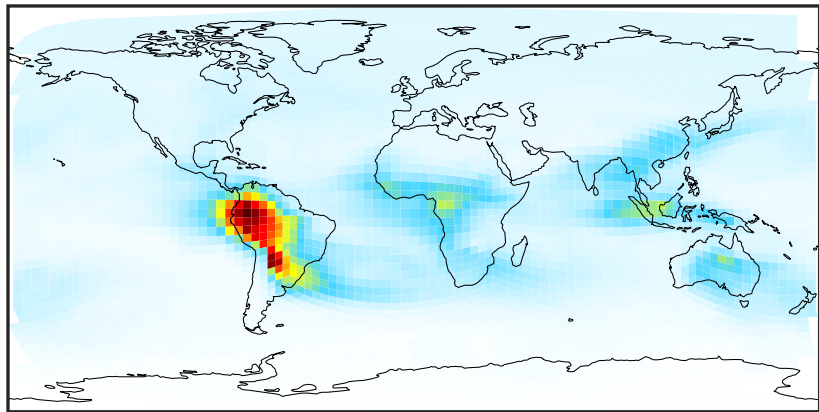
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

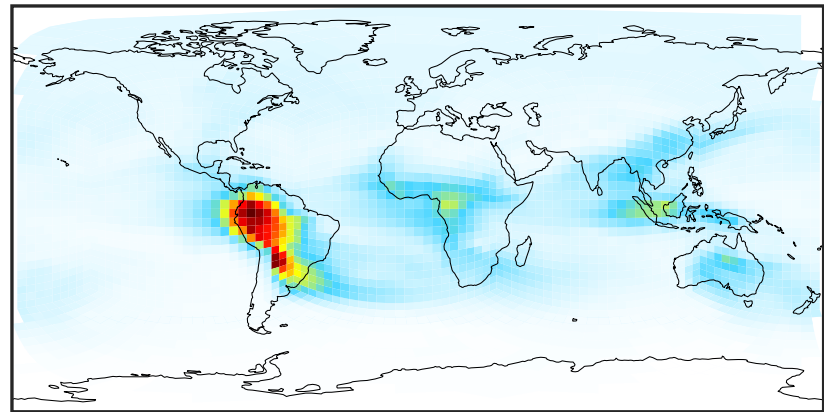
SpeciesConcVV_MAP (Oct2019)

GCHP_14.0.0 (Ref)
c24



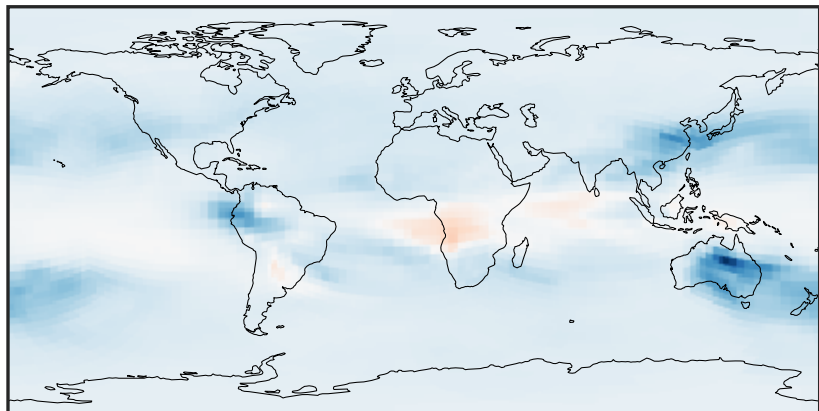
0.0032 0.1007 0.2014 0.3021 0.4060
ppb

GCHP_14.2.0 (Dev)
c24



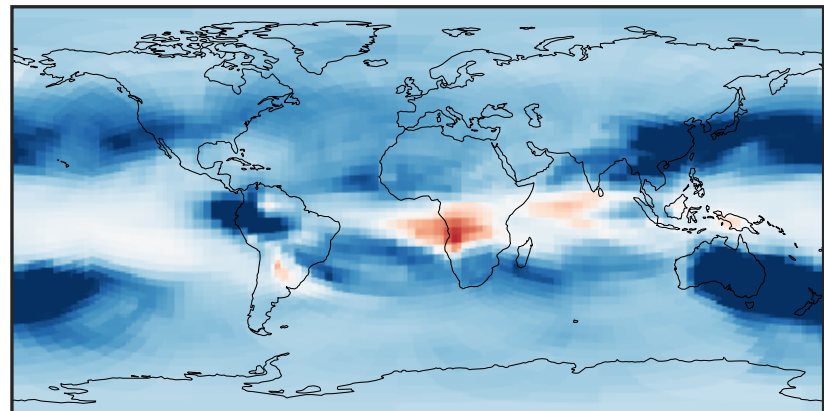
0.0032 0.1007 0.2014 0.3021 0.4060
ppb

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



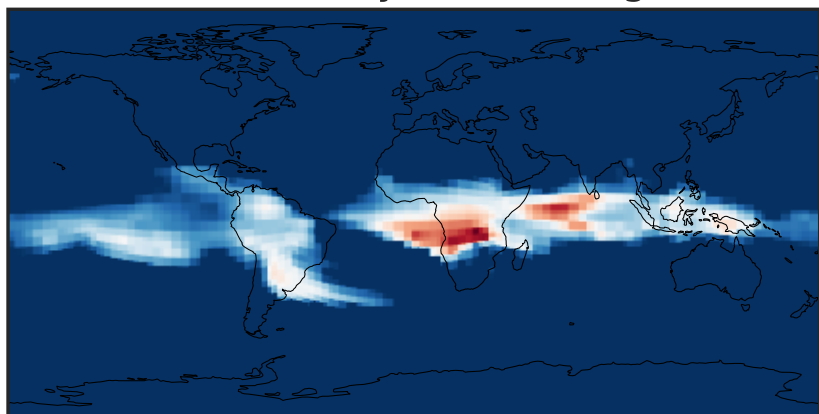
-0.01 0.00 0.01
ppb

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



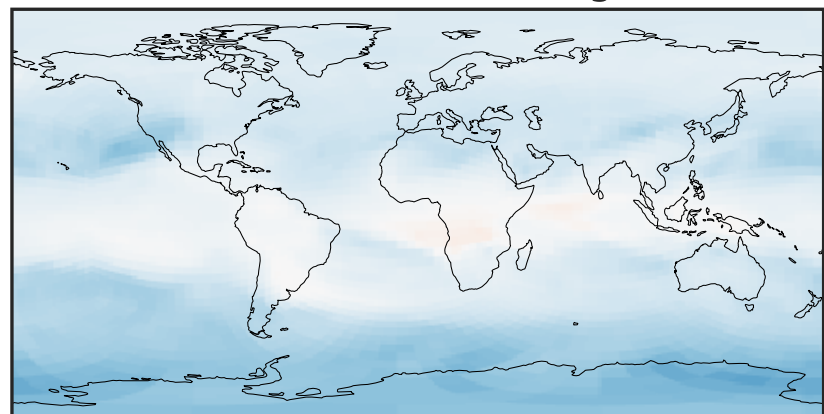
-0.003 0.000 0.003
ppb

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



0.9506 0.9753 1.0000 1.0260 1.0520
unitless

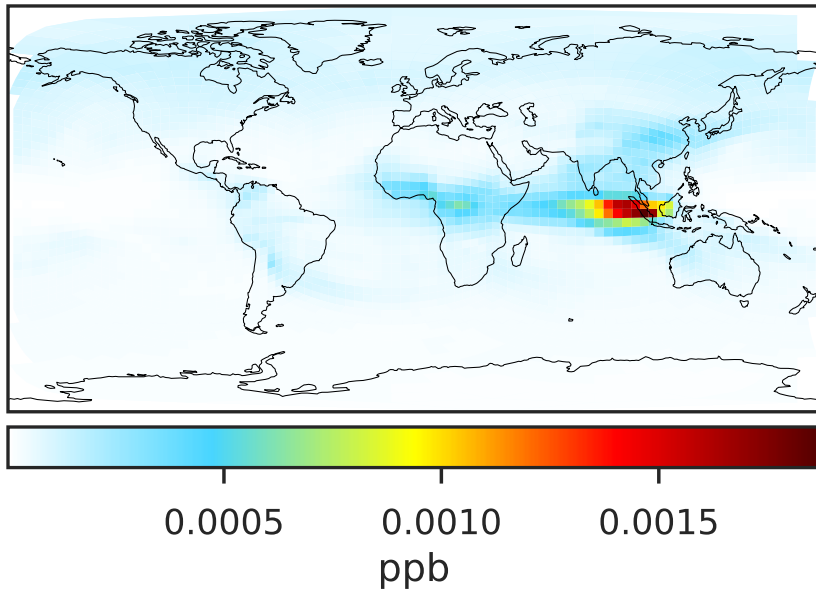
Ratio (1x1.25)
Dev/Ref, Fixed Range



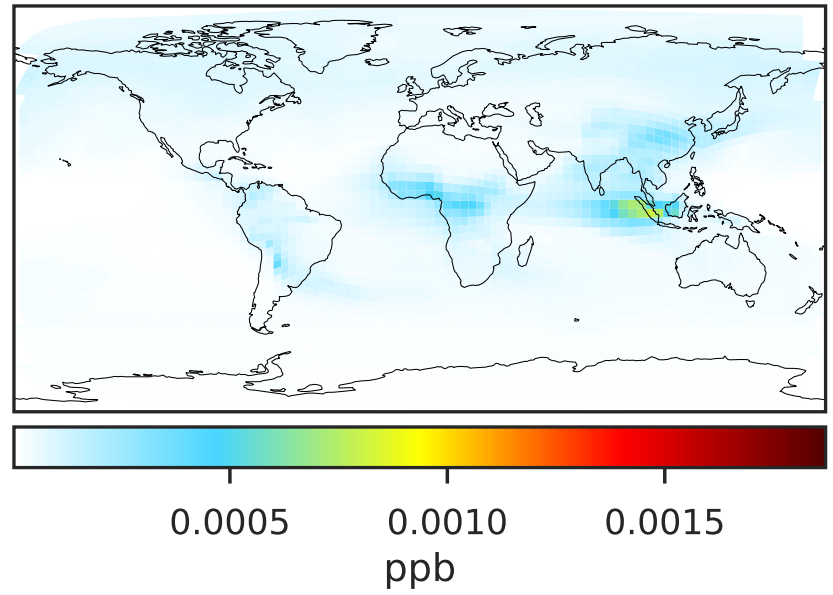
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_PHEN (Oct2019)

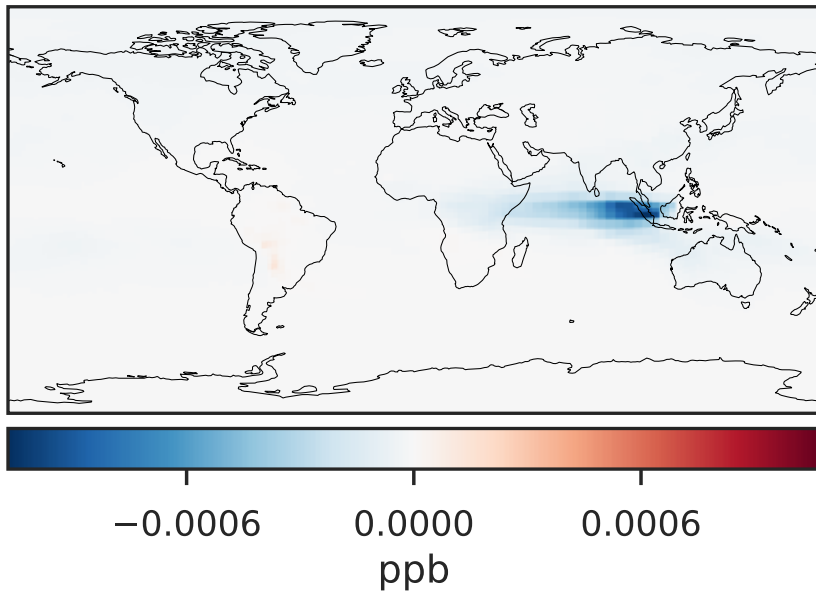
GCHP_14.0.0 (Ref)
c24



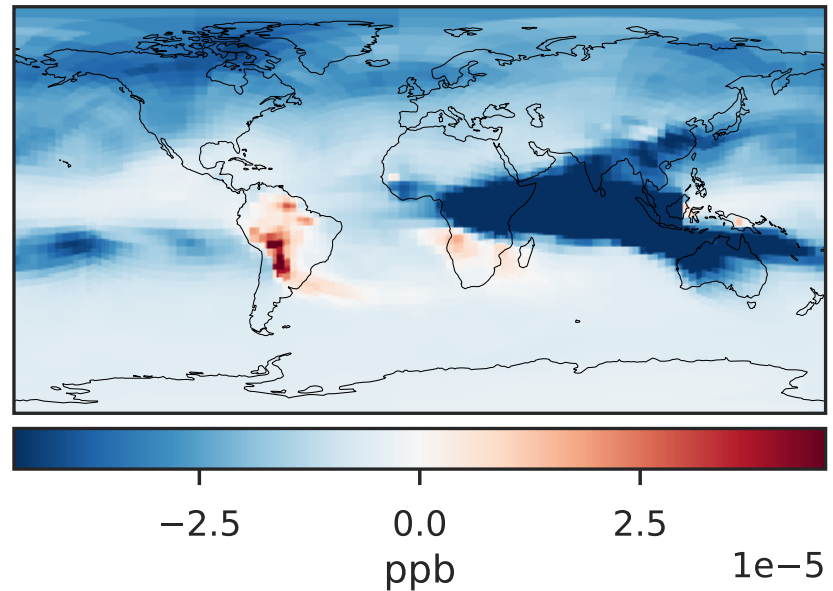
GCHP_14.2.0 (Dev)
c24



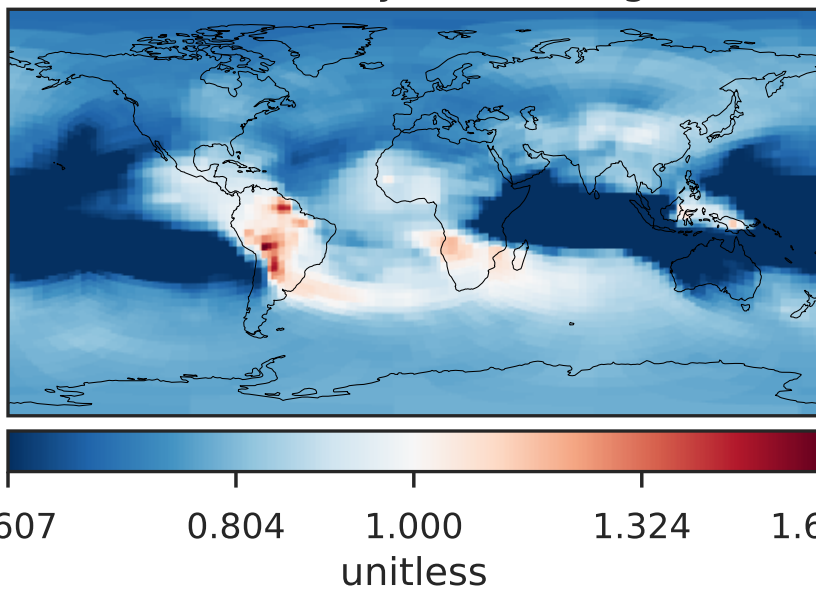
Difference (1x1.25)
Dev - Ref, Dynamic Range



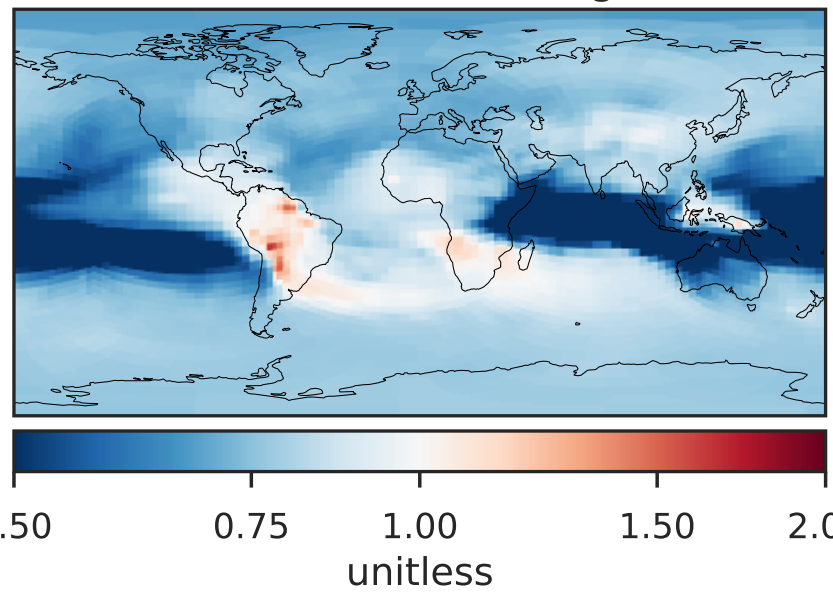
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

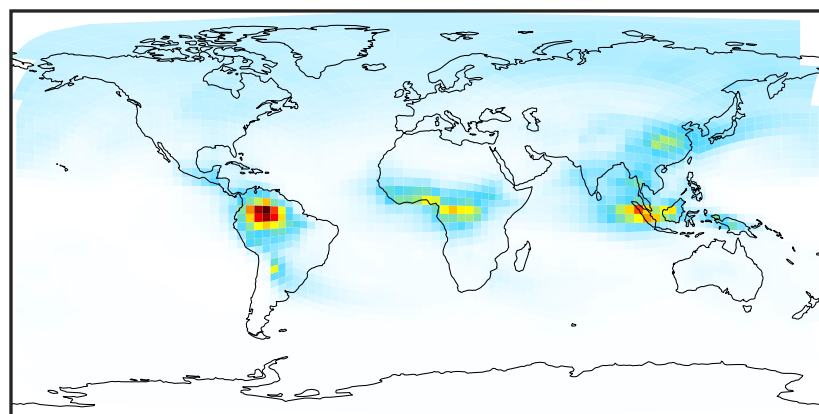


Ratio (1x1.25)
Dev/Ref, Fixed Range



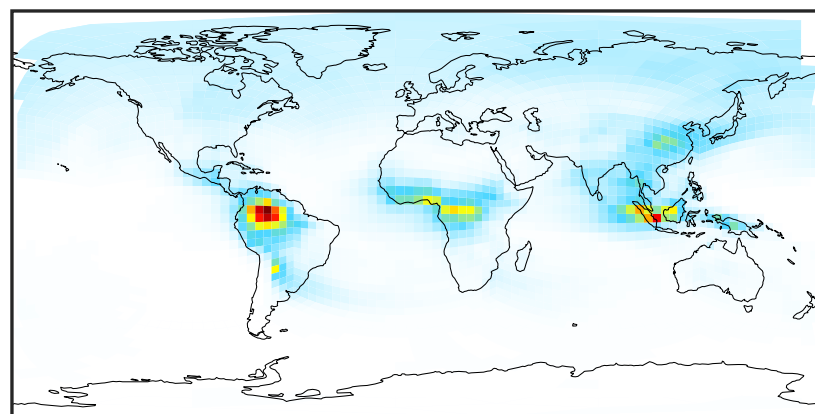
SpeciesConcVV_RCHO (Oct2019)

GCHP_14.0.0 (Ref)
c24



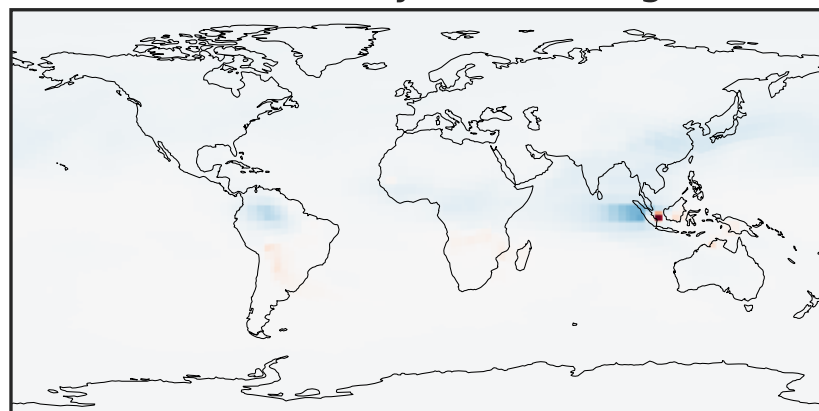
0.015 0.030
ppb

GCHP_14.2.0 (Dev)
c24



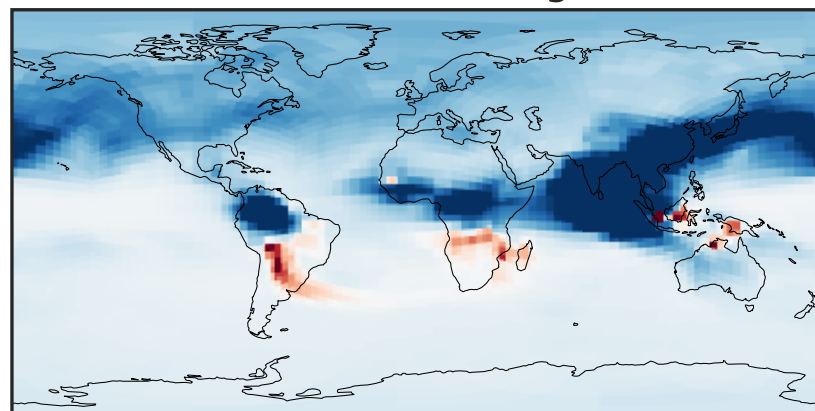
0.015 0.030
ppb

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



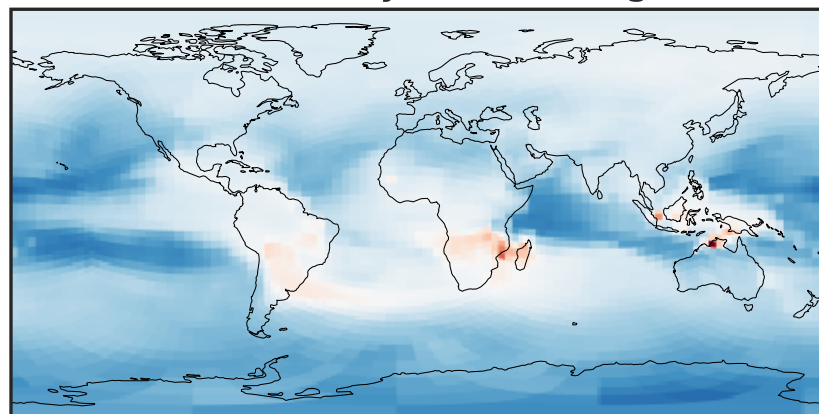
-0.005 0.000 0.005
ppb

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



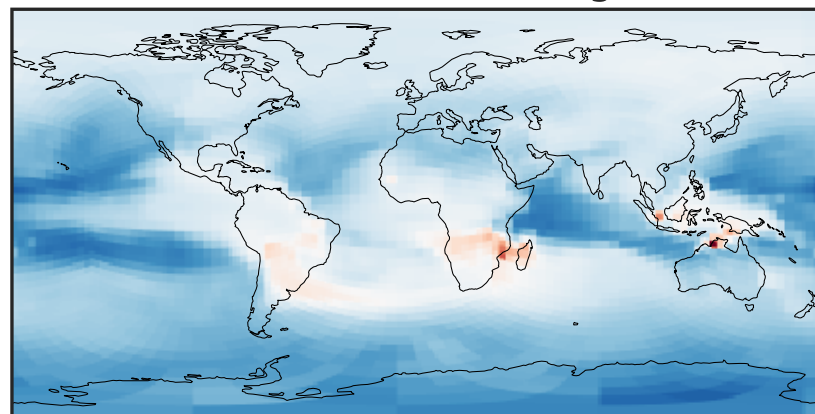
-0.0004 0.0000 0.0004
ppb

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



0.479 0.740 1.000 1.543 2.086
unitless

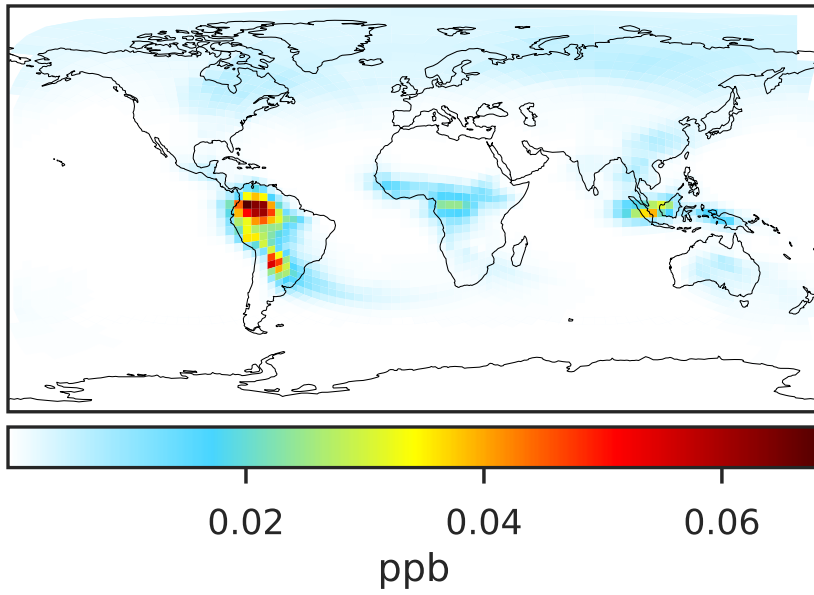
Ratio (1x1.25)
Dev/Ref, Fixed Range



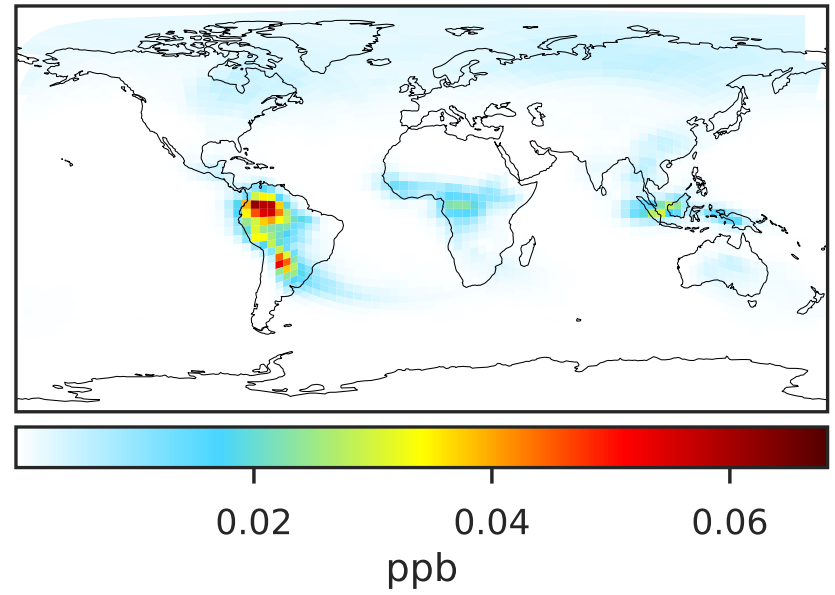
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConcVV_ETHP (Oct2019)

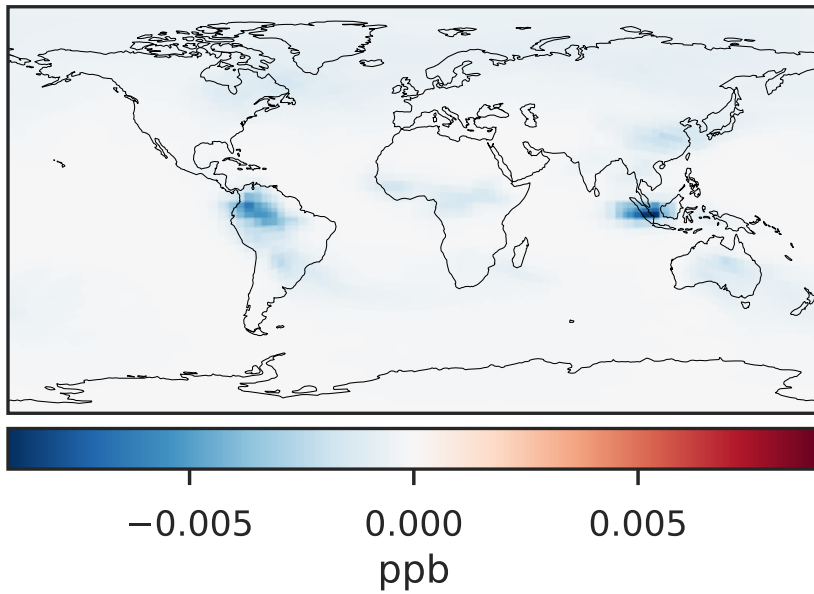
GCHP_14.0.0 (Ref)
c24



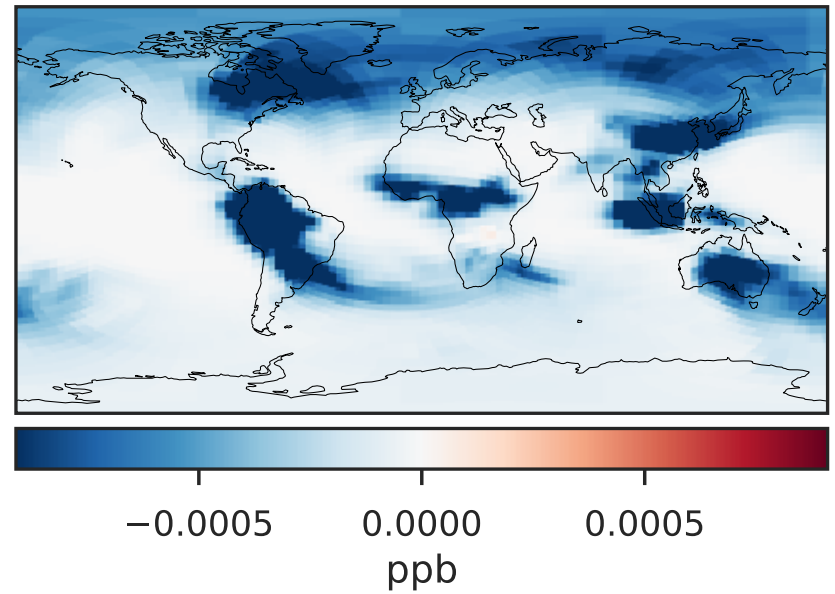
GCHP_14.2.0 (Dev)
c24



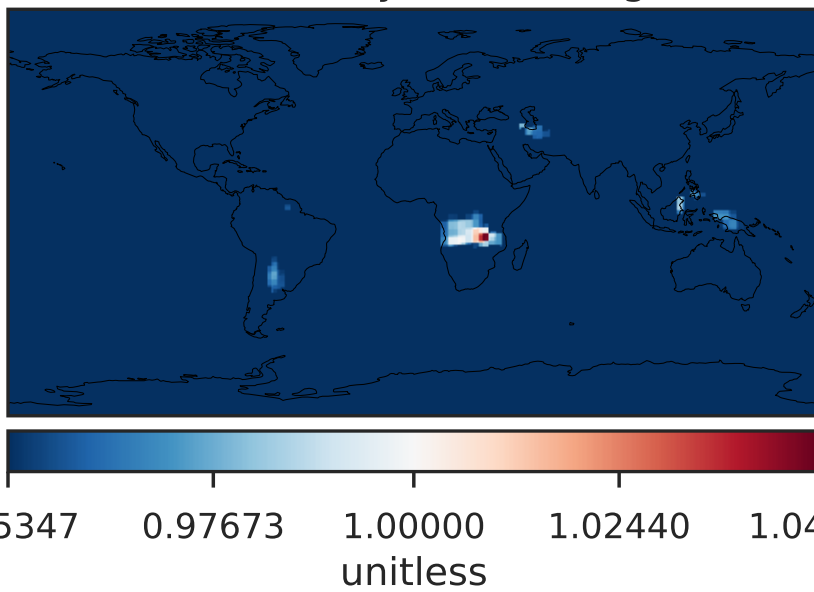
Difference (1x1.25)
Dev - Ref, Dynamic Range



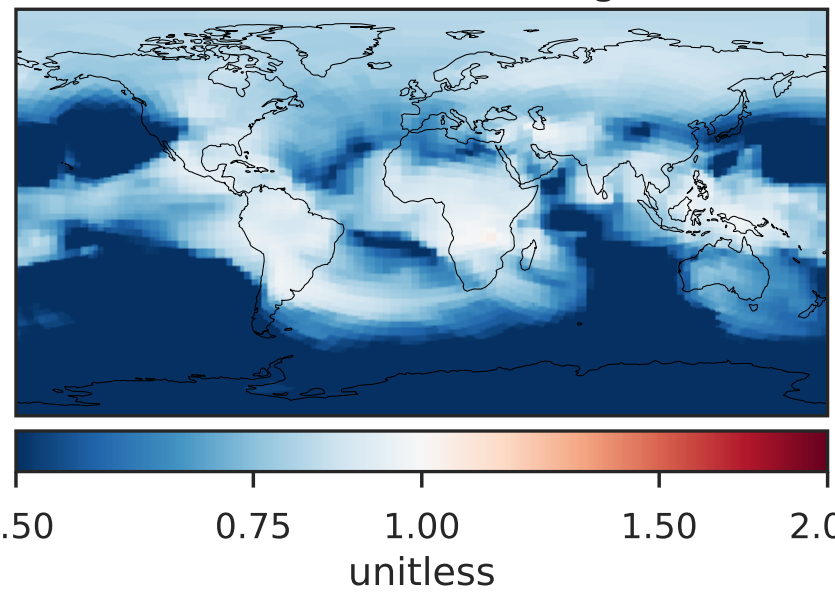
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

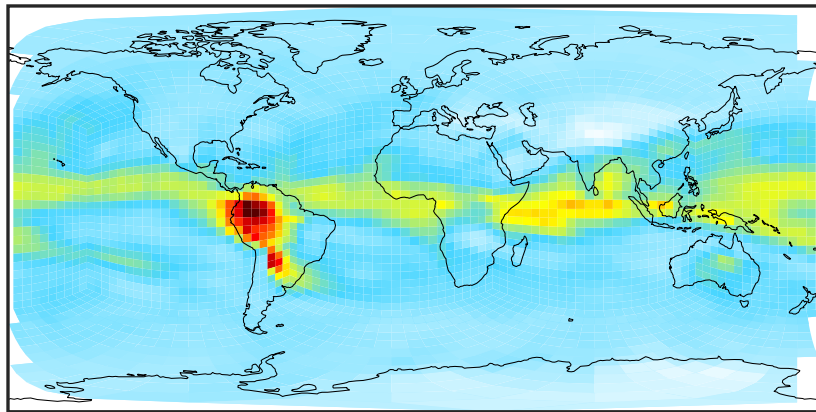


Ratio (1x1.25)
Dev/Ref, Fixed Range



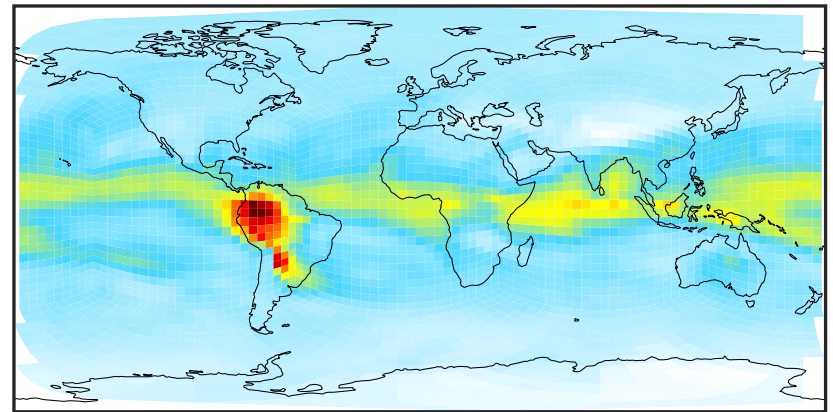
SpeciesConcVV_MP (Oct2019)

GCHP_14.0.0 (Ref)
c24



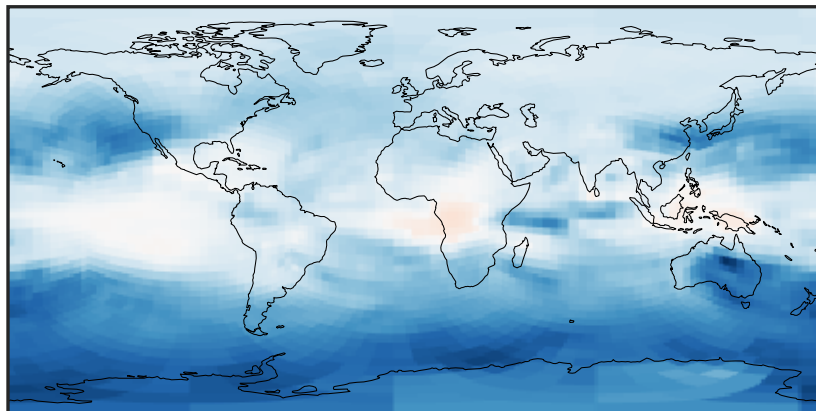
0.051 0.259 0.518 0.777 1.087
ppb

GCHP_14.2.0 (Dev)
c24



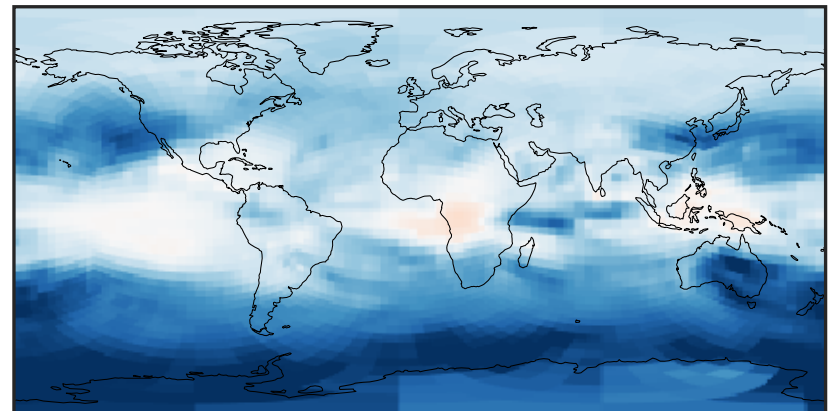
0.051 0.259 0.518 0.777 1.087
ppb

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



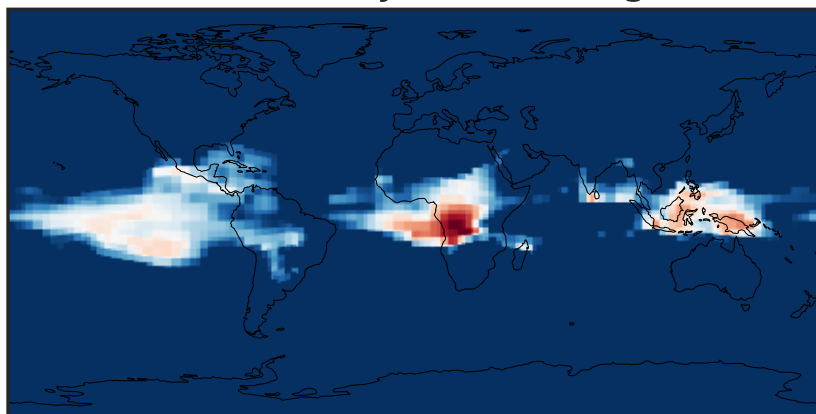
-0.0743 -0.0371 0.0000 0.0371 0.0743
ppb

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



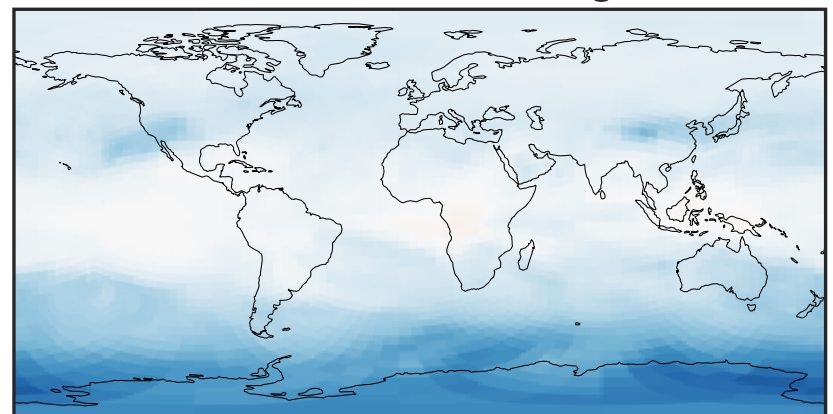
-0.0609 -0.0305 0.0000 0.0305 0.0609
ppb

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



0.97301 0.98650 1.00000 1.01387 1.02774
unitless

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



0.50 0.75 1.00 1.50 2.00
unitless