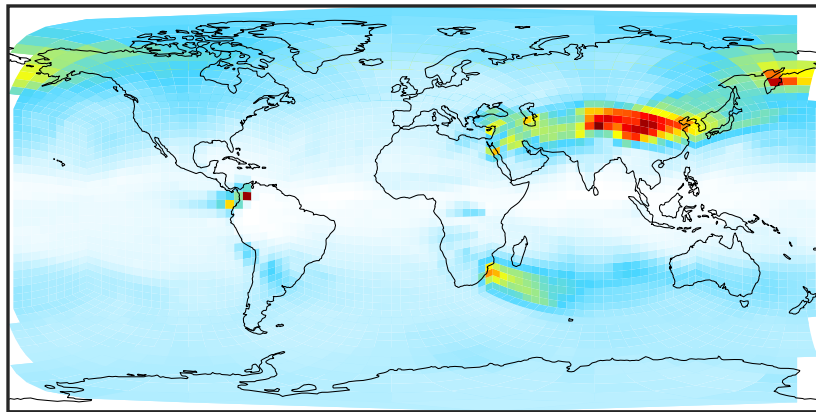


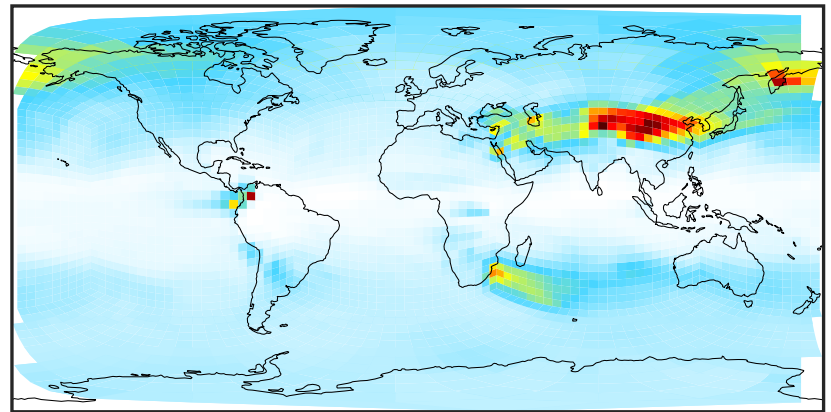
# SpeciesConcVV\_SOx (Oct2019)

GCHP\_14.0.0 (Ref)  
c24



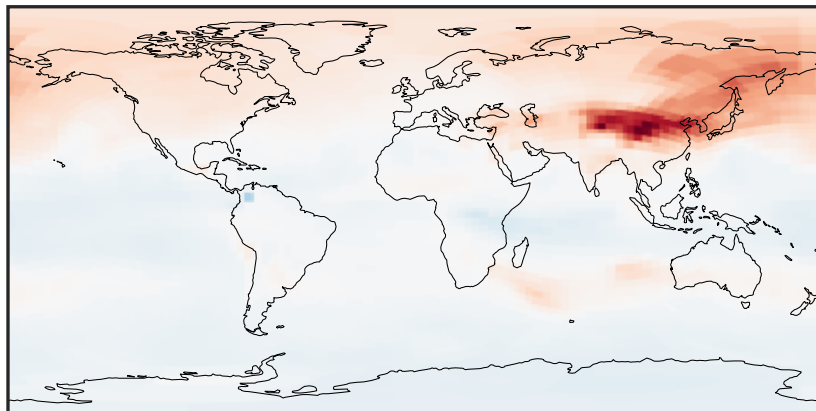
0.0016 0.0806 0.1612 0.2419 0.3241  
ppb

GCHP\_14.2.0 (Dev)  
c24



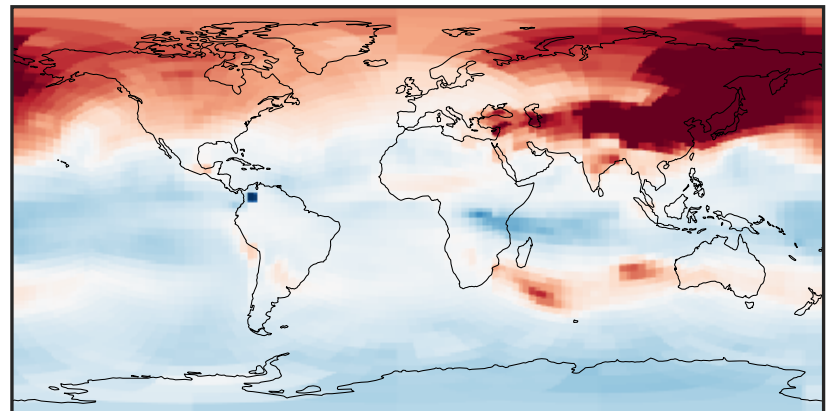
0.0016 0.0806 0.1612 0.2419 0.3241  
ppb

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



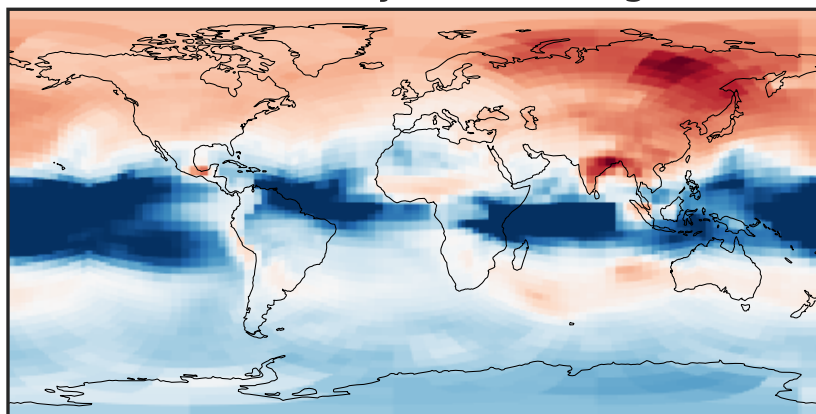
-0.015 0.000 0.015  
ppb

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



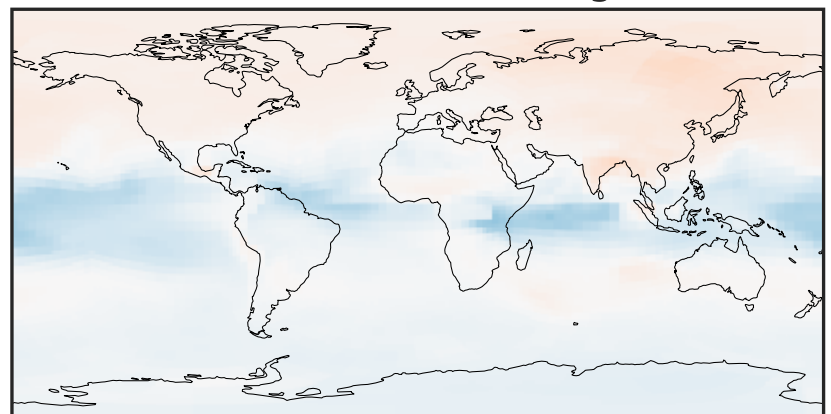
-0.004 0.000 0.004  
ppb

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



0.8718 0.9359 1.0000 1.0735 1.1471  
unitless

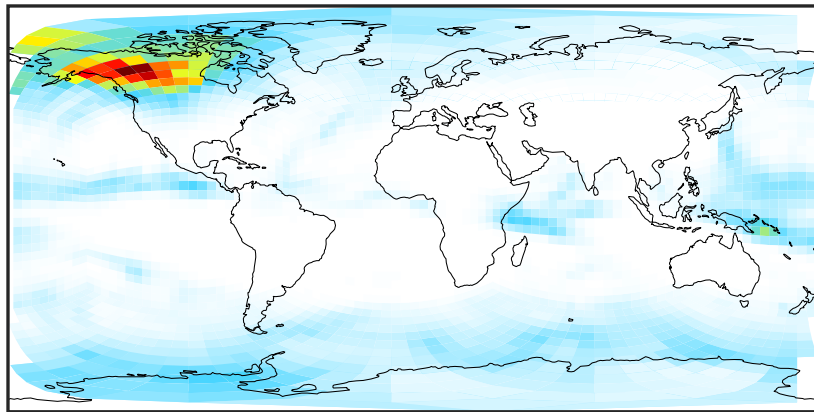
Ratio (1x1.25)  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

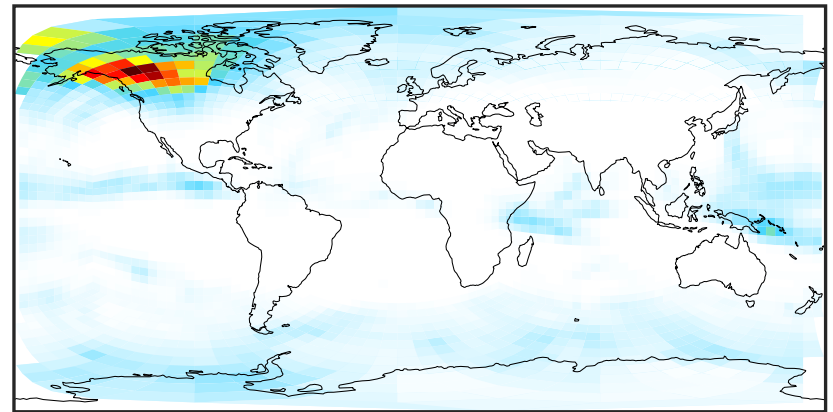
# SpeciesConcVV\_DMS (Oct2019)

GCHP\_14.0.0 (Ref)  
c24



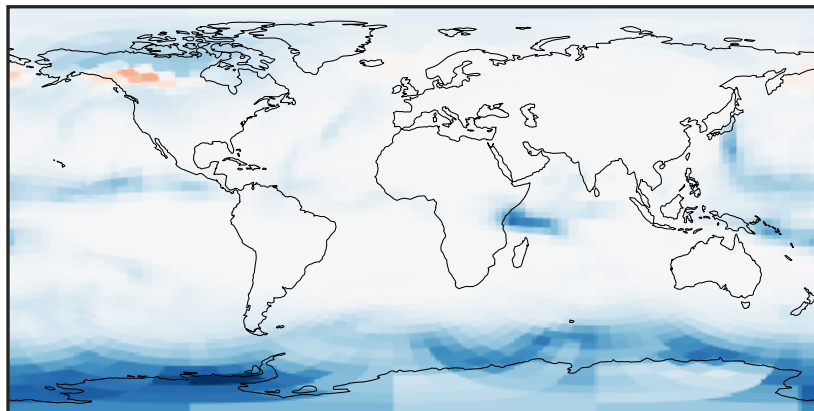
0.015 0.030  
ppb

GCHP\_14.2.0 (Dev)  
c24



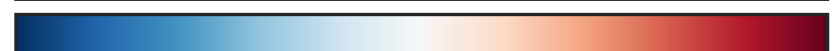
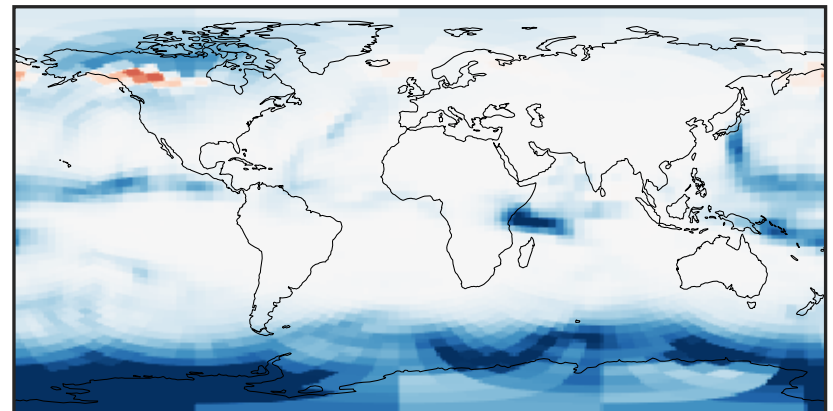
0.015 0.030  
ppb

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



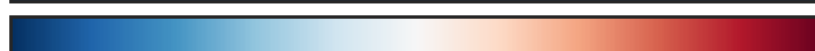
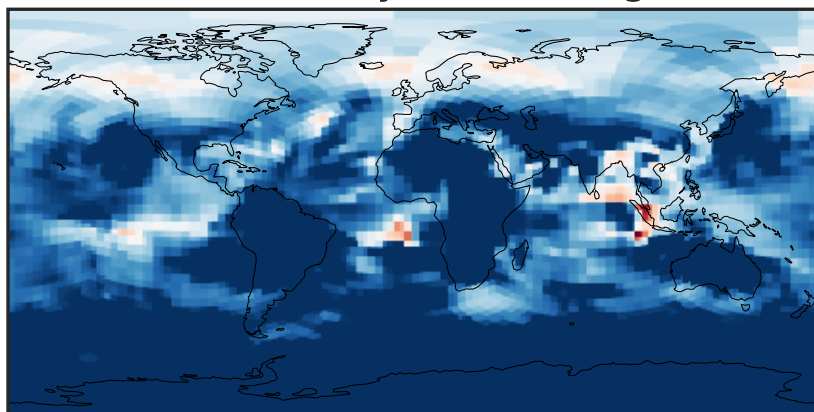
-0.0025 0.0000 0.0025  
ppb

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



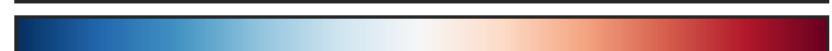
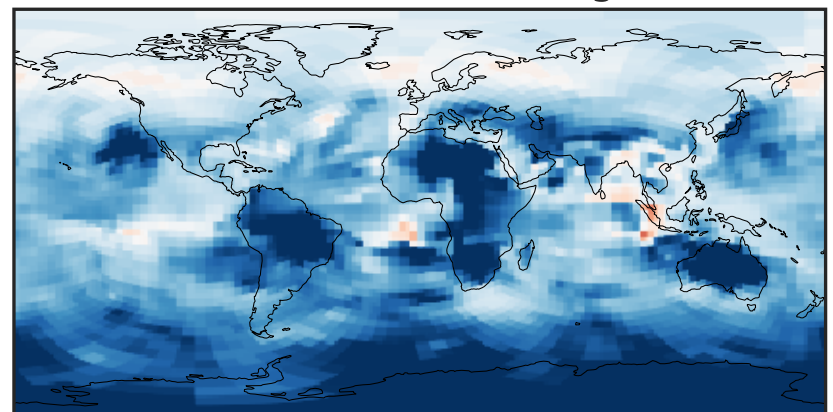
-0.0015 0.0000 0.0015  
ppb

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



0.6715 0.8358 1.0000 1.2446 1.4892  
unitless

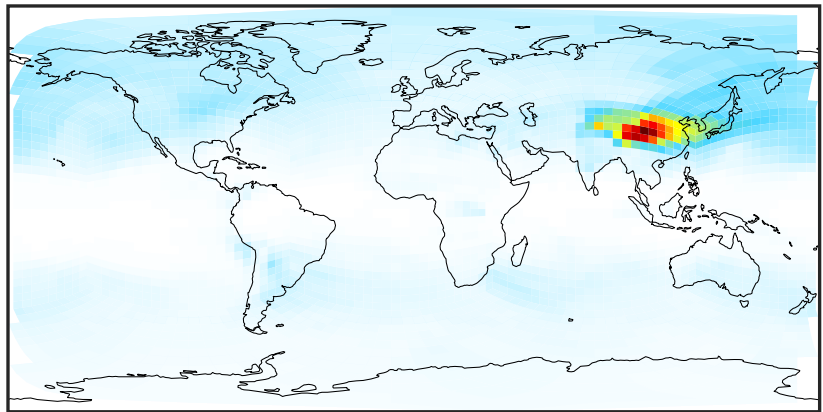
Ratio (1x1.25)  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

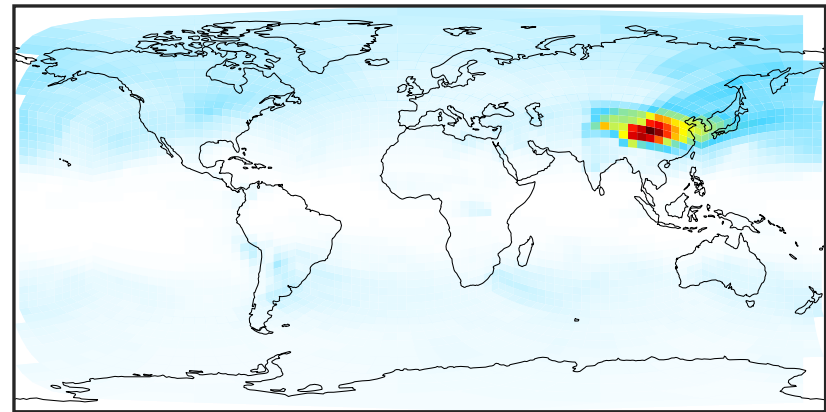
# SpeciesConcVV\_HMS (Oct2019)

GCHP\_14.0.0 (Ref)  
c24



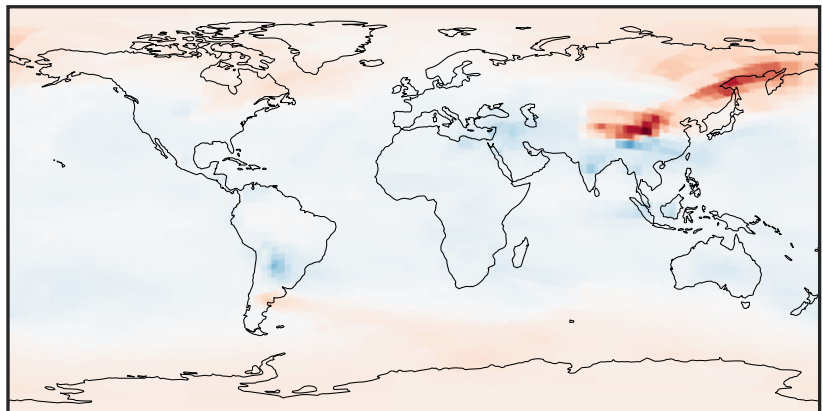
0.008 0.016 0.024  
ppb

GCHP\_14.2.0 (Dev)  
c24



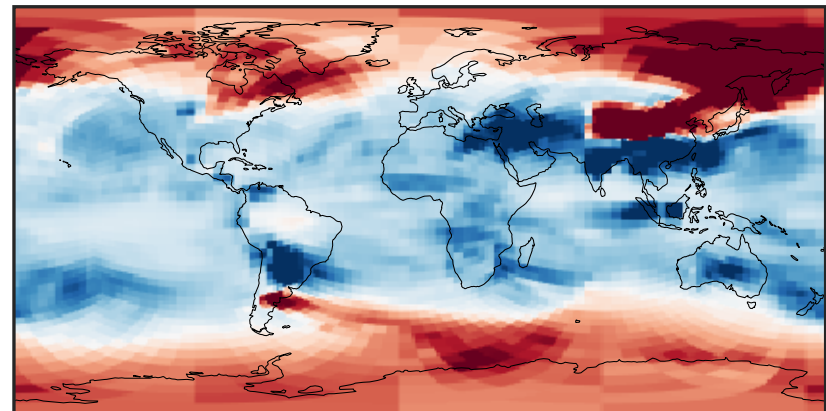
0.008 0.016 0.024  
ppb

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



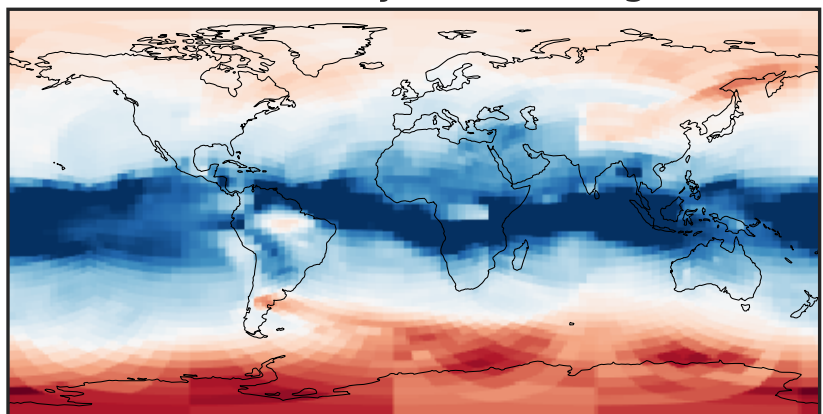
-0.0004 0.0000 0.0004  
ppb

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



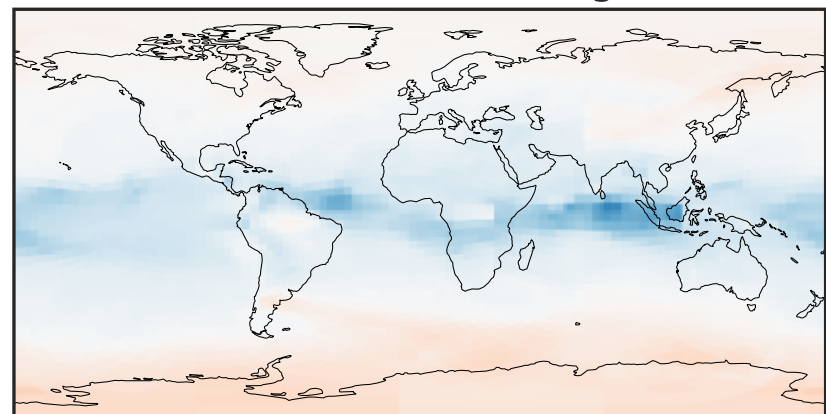
-5 0 5  
ppb 1e-5

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



0.8551 0.9276 1.0000 1.0847 1.1694  
unitless

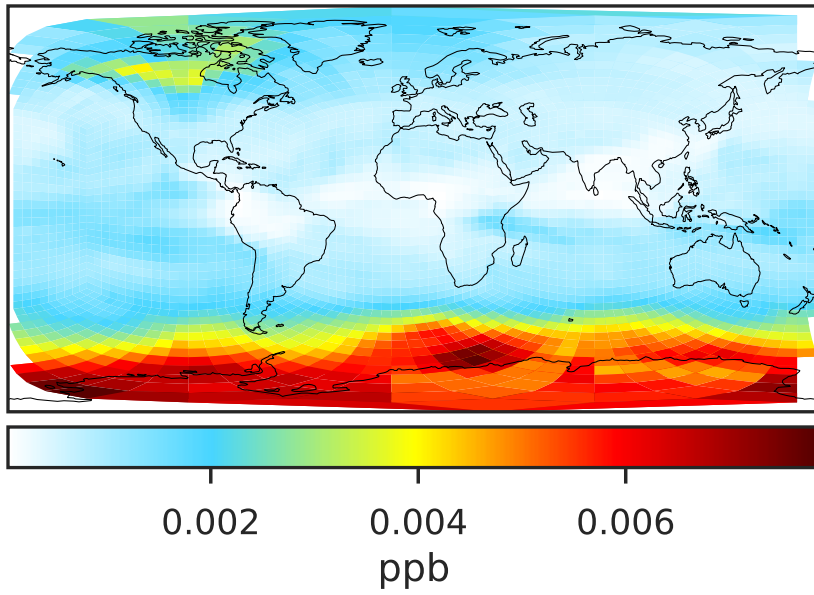
Ratio (1x1.25)  
Dev/Ref, Fixed Range



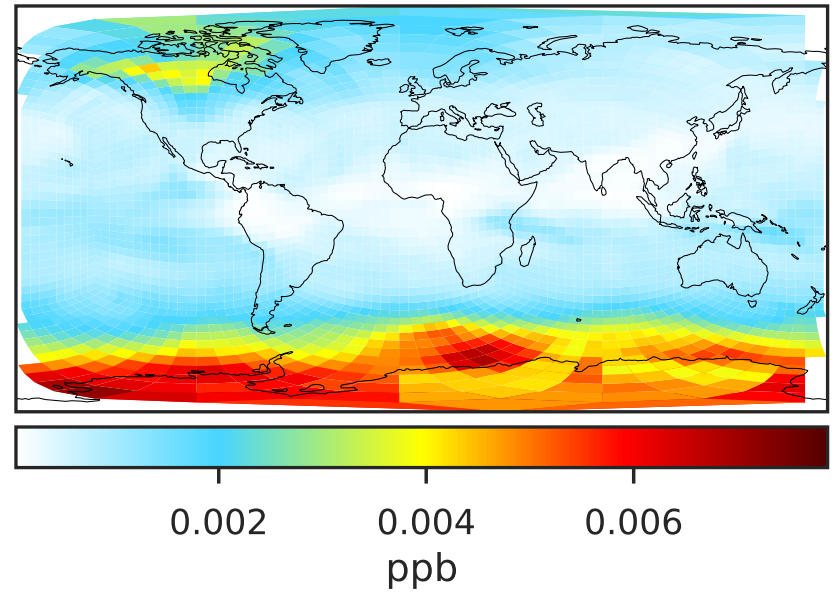
0.50 0.75 1.00 1.50 2.00  
unitless

# SpeciesConcVW\_MSA (Oct2019)

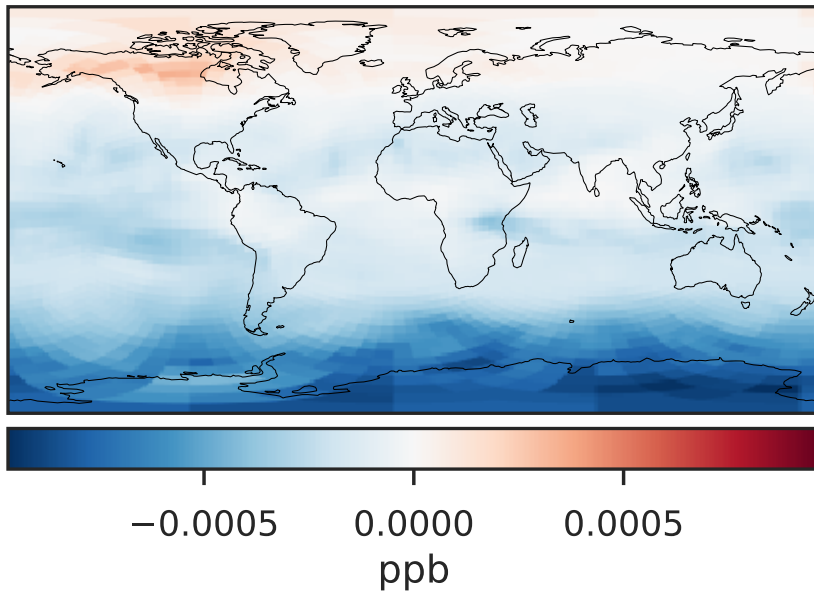
GCHP\_14.0.0 (Ref)  
c24



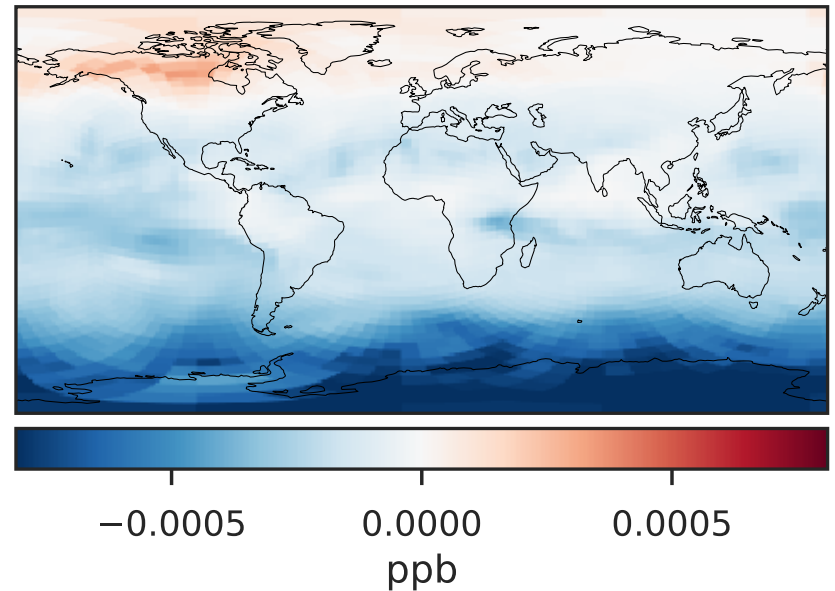
GCHP\_14.2.0 (Dev)  
c24



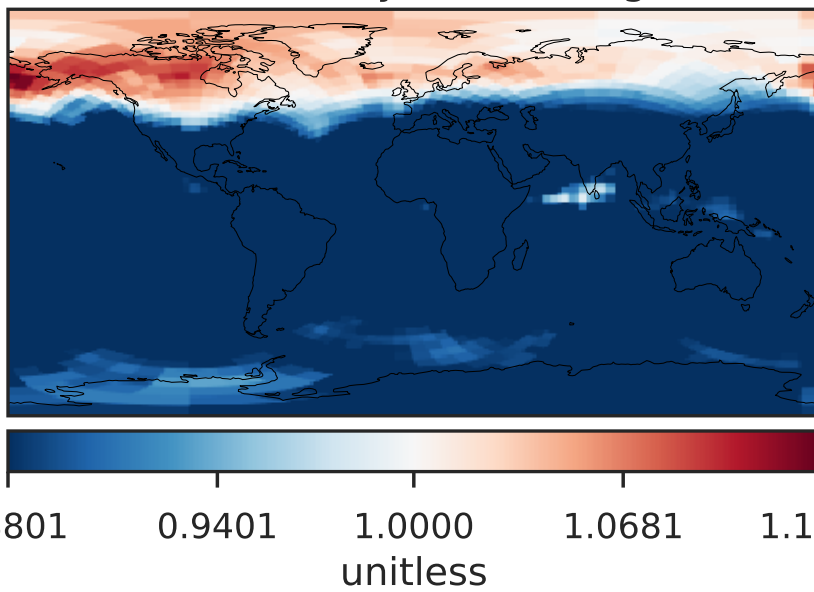
Difference (1x1.25)  
Dev - Ref, Dynamic Range



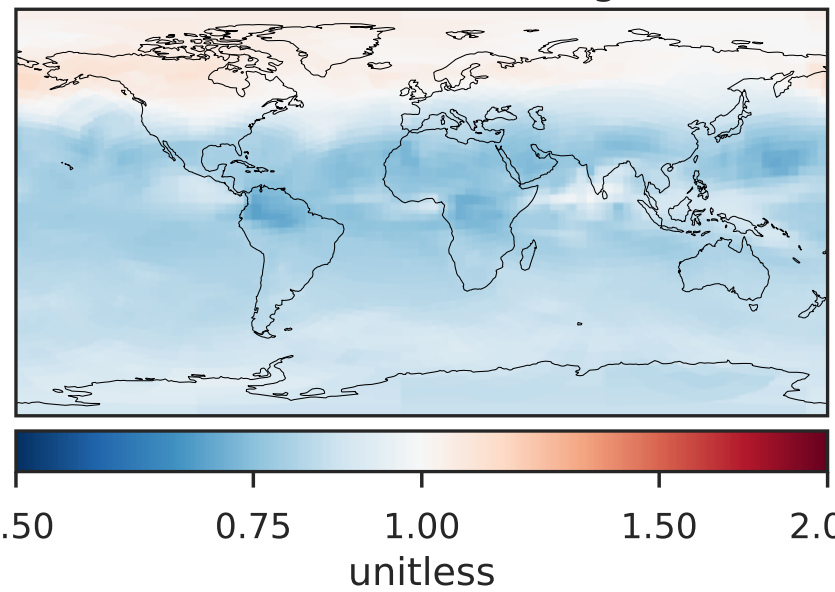
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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



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

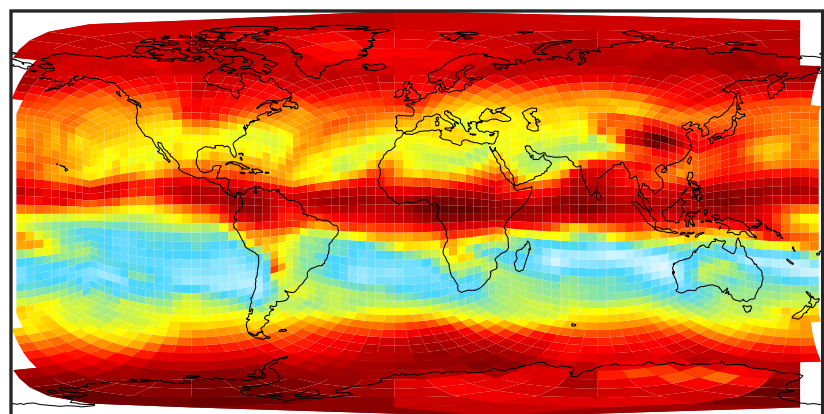


0.8801 0.9401 1.0000 1.0681 1.1362  
unitless

0.50 0.75 1.00 1.50 2.00  
unitless

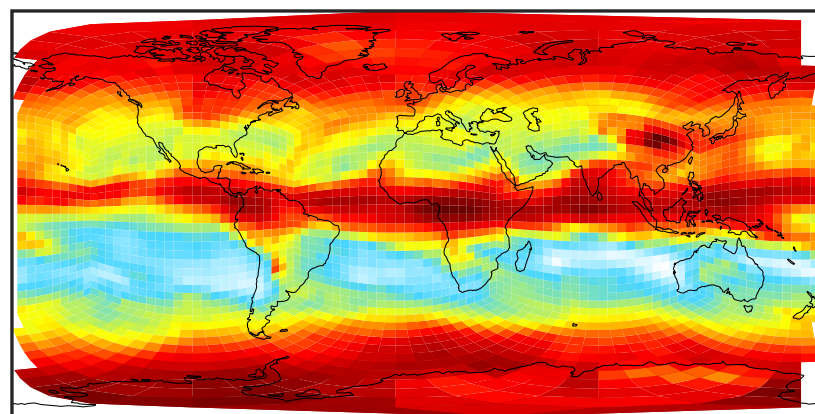
# SpeciesConcVV\_OCS (Oct2019)

GCHP\_14.0.0 (Ref)  
c24



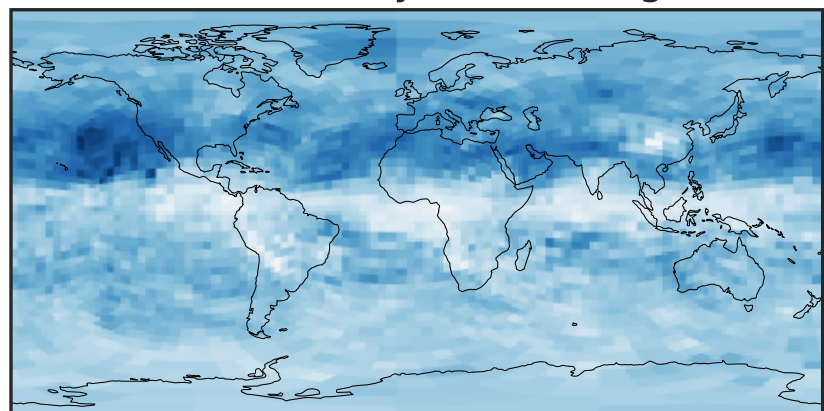
0.4968 0.4976 0.4984 0.4992  
ppb

GCHP\_14.2.0 (Dev)  
c24



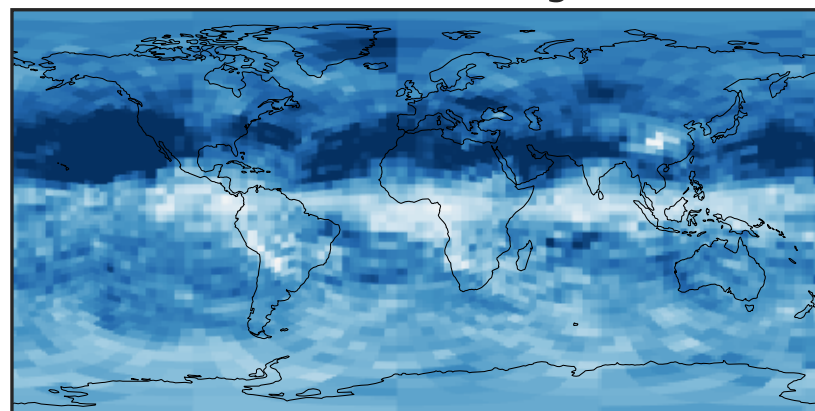
0.4968 0.4976 0.4984 0.4992  
ppb

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



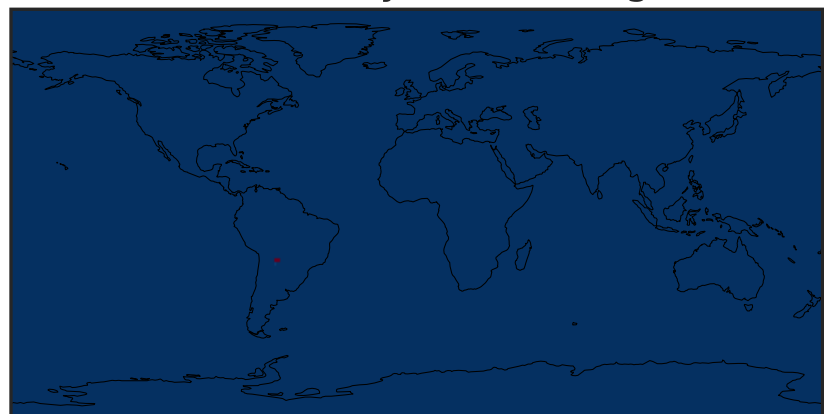
-0.00015 0.00000 0.00015  
ppb

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



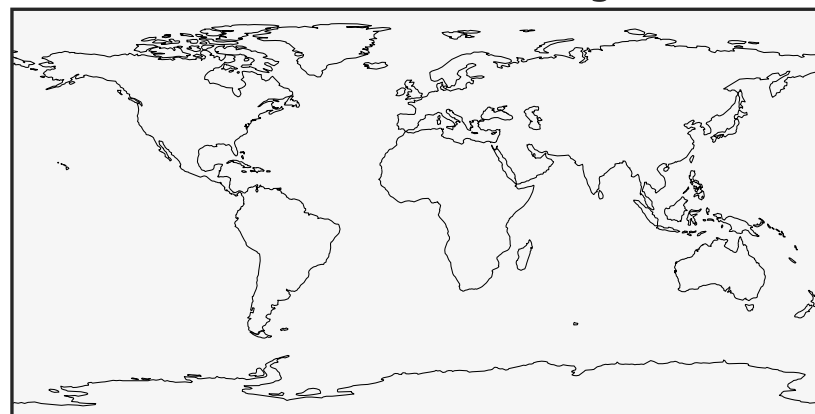
-0.0001 0.0000 0.0001  
ppb

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



0.99999384 1.0000000 1.00000616  
unitless

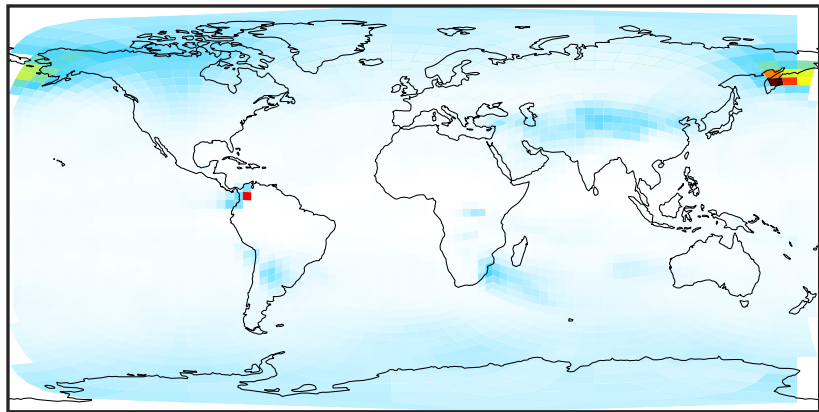
Ratio (1x1.25)  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

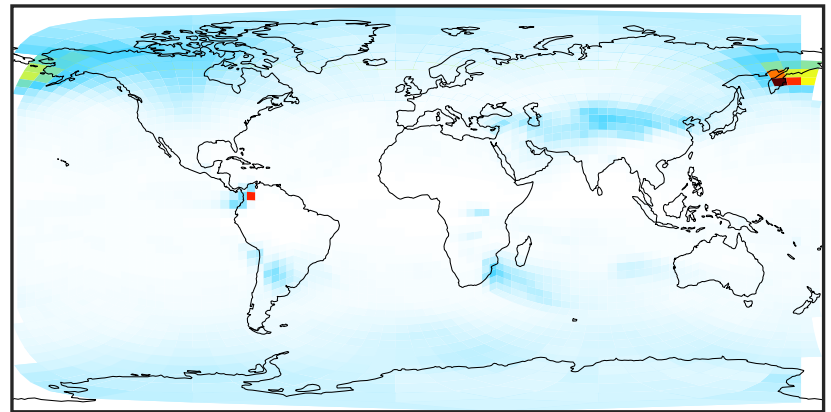
# SpeciesConcVV\_SO2 (Oct2019)

GCHP\_14.0.0 (Ref)  
c24



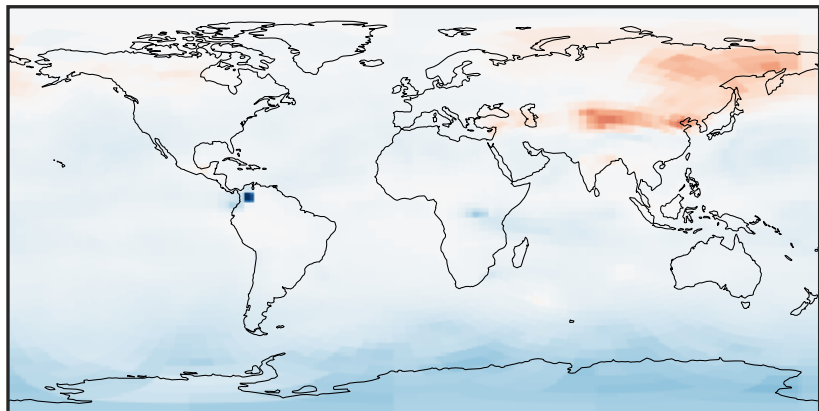
0.0000 0.0469 0.0939 0.1408 0.1878  
ppb

GCHP\_14.2.0 (Dev)  
c24



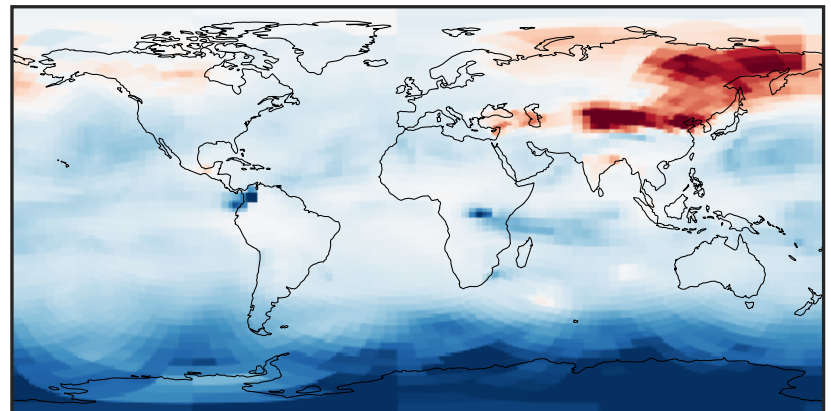
0.0000 0.0469 0.0939 0.1408 0.1878  
ppb

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



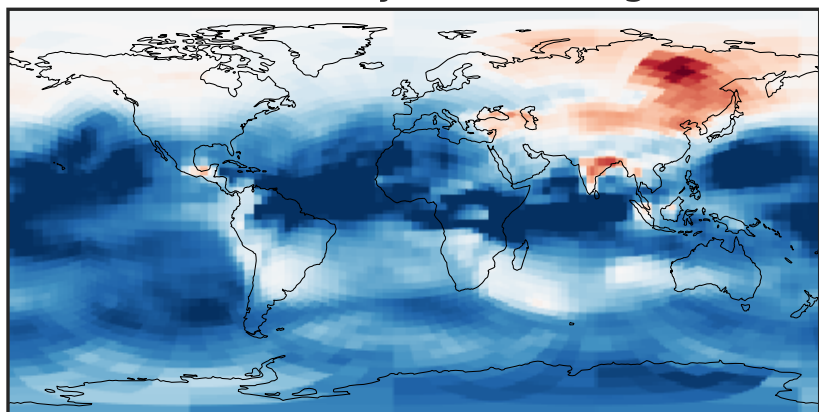
-0.005 0.000 0.005  
ppb

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



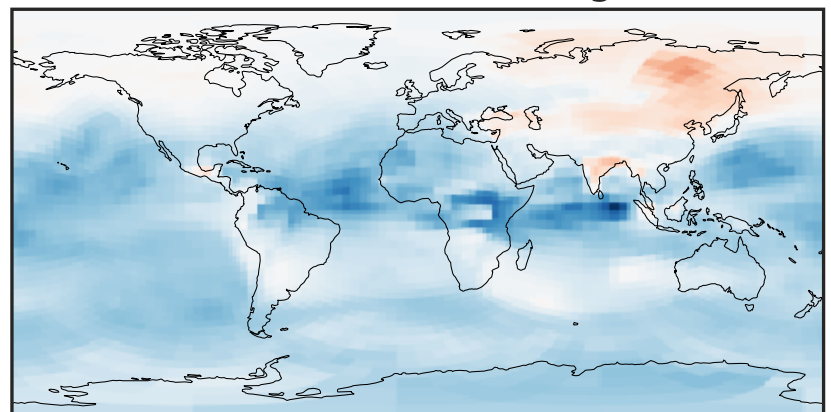
-0.0015 0.0000 0.0015  
ppb

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



0.7396 0.8698 1.0000 1.1761 1.3522  
unitless

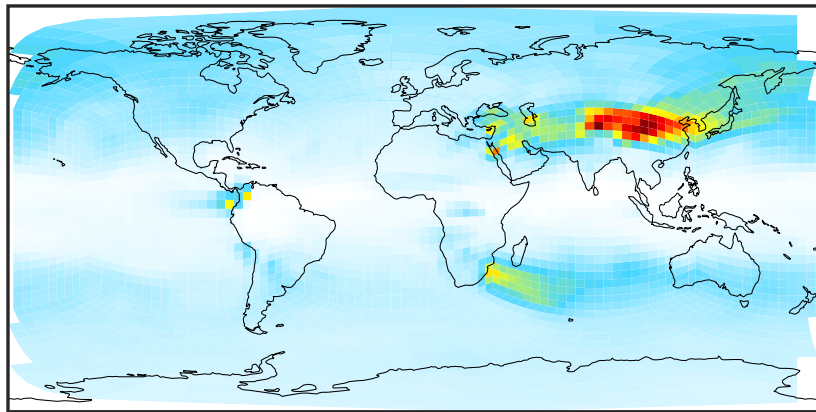
Ratio (1x1.25)  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

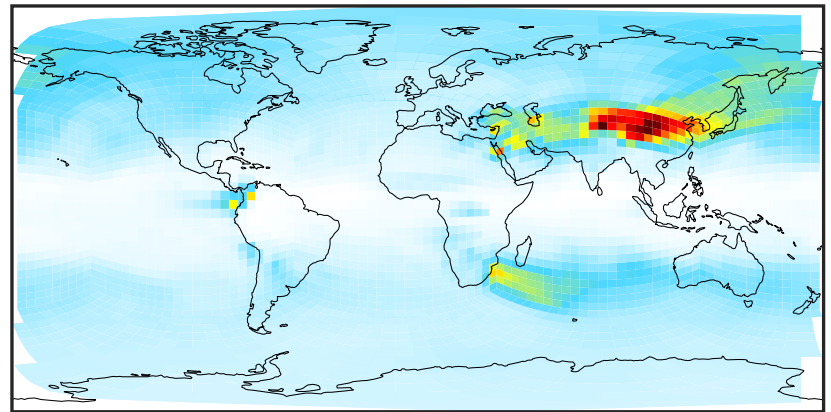
# SpeciesConcVV\_SO4 (Oct2019)

GCHP\_14.0.0 (Ref)  
c24



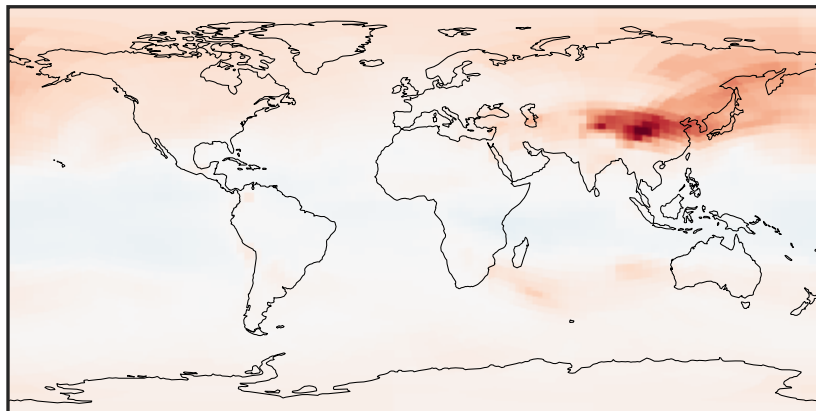
0.0015 0.0705 0.1409 0.2114 0.2833  
ppb

GCHP\_14.2.0 (Dev)  
c24



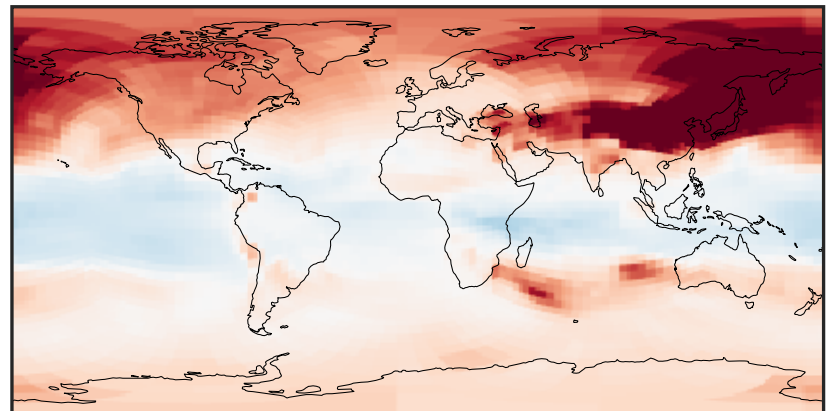
0.0015 0.0705 0.1409 0.2114 0.2833  
ppb

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



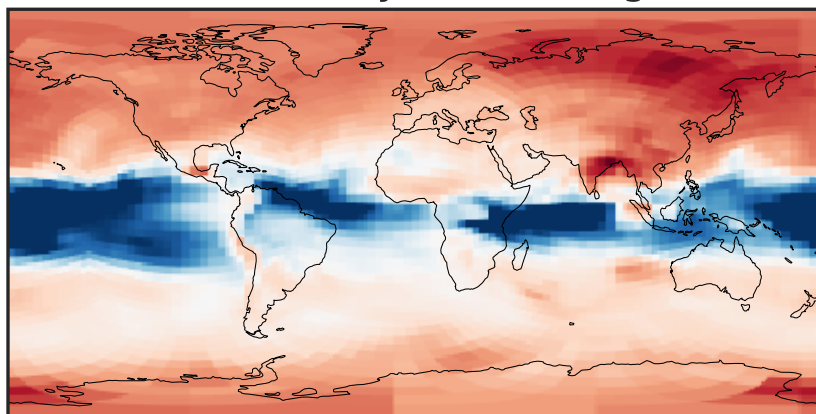
-0.015 0.000 0.015  
ppb

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



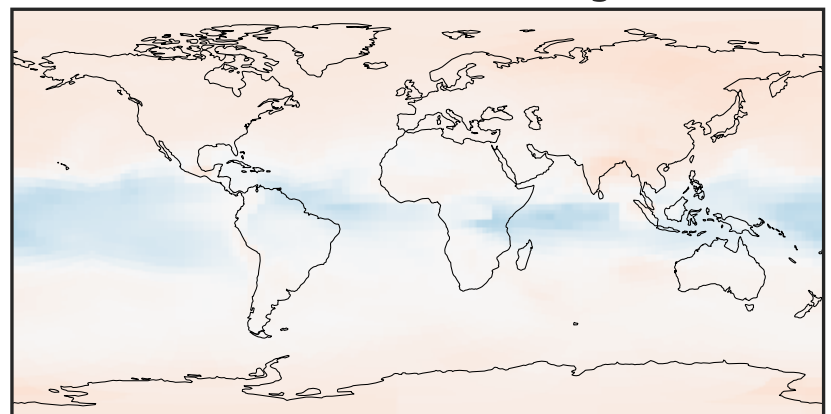
-0.003 0.000 0.003  
ppb

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



0.8849 0.9425 1.0000 1.0650 1.1301  
unitless

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



0.50 0.75 1.00 1.50 2.00  
unitless