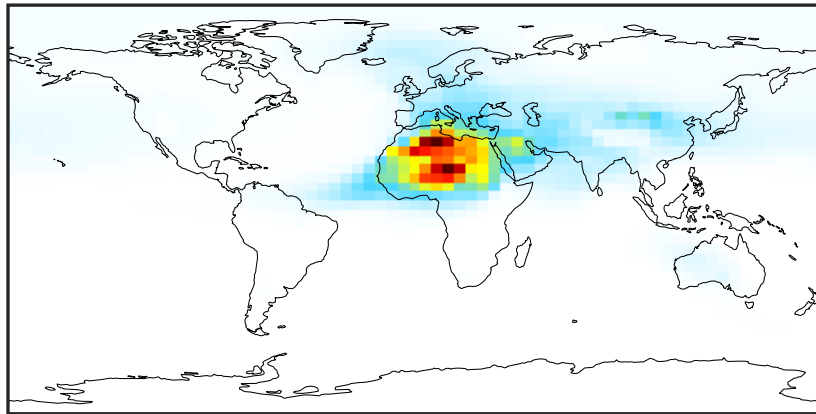


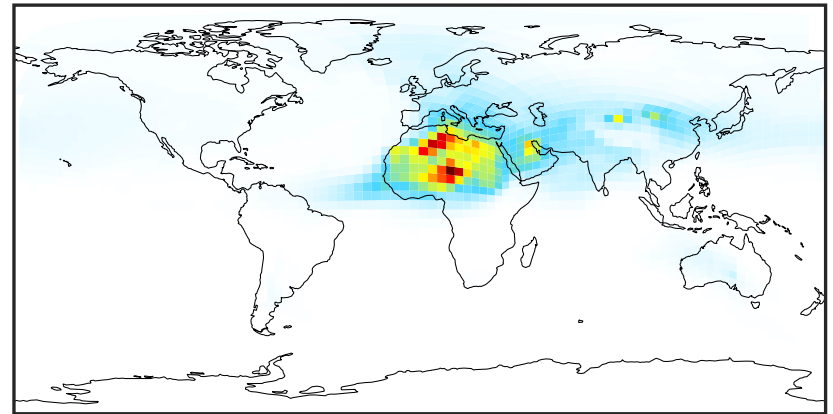
# Column\_AOD\_Dust (Apr2019)

GCC\_14.2.0 (Ref)  
4.0x5.0



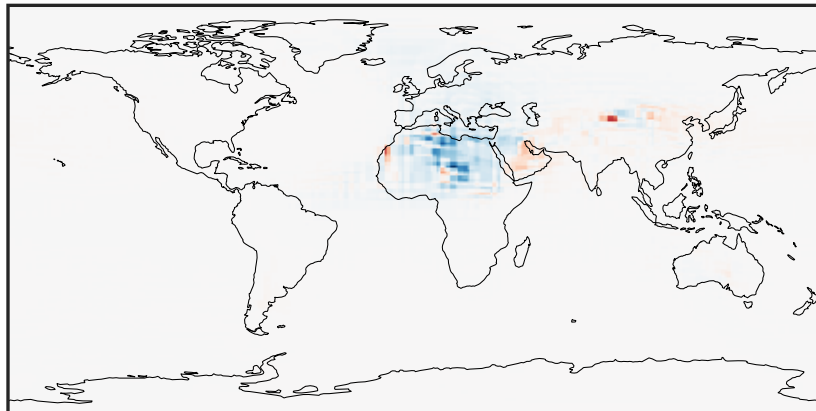
0.0000 0.1314 0.2628 0.3943 0.5257  
1

GCHP\_14.2.0 (Dev)  
c24



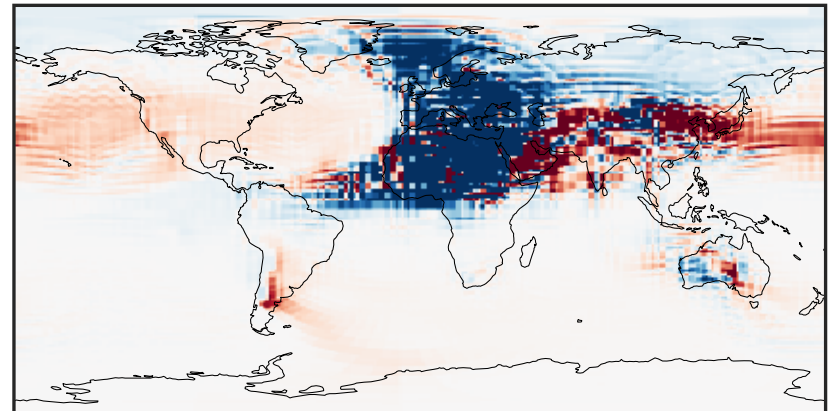
0.0000 0.1314 0.2628 0.3943 0.5257  
1

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



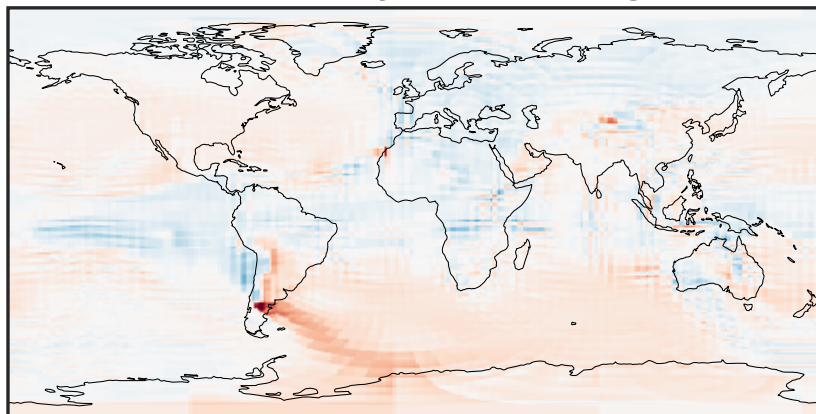
-0.2732 -0.1366 0.0000 0.1366 0.2732  
1

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



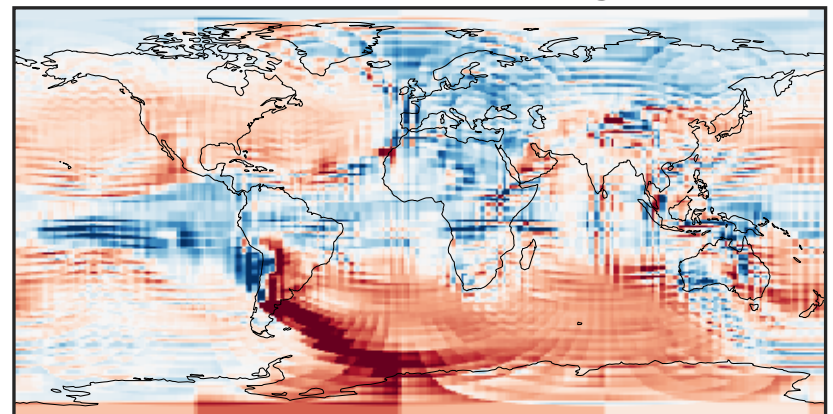
-0.004 0.000 0.004  
1

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



1e-01 1 10  
unitless

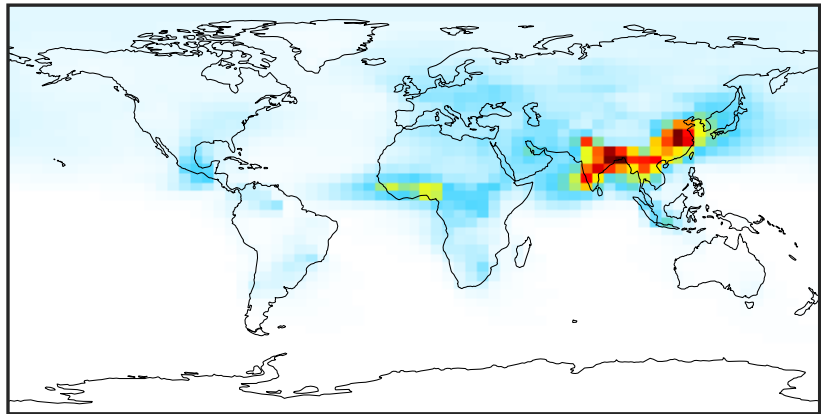
Ratio (1x1.25)  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

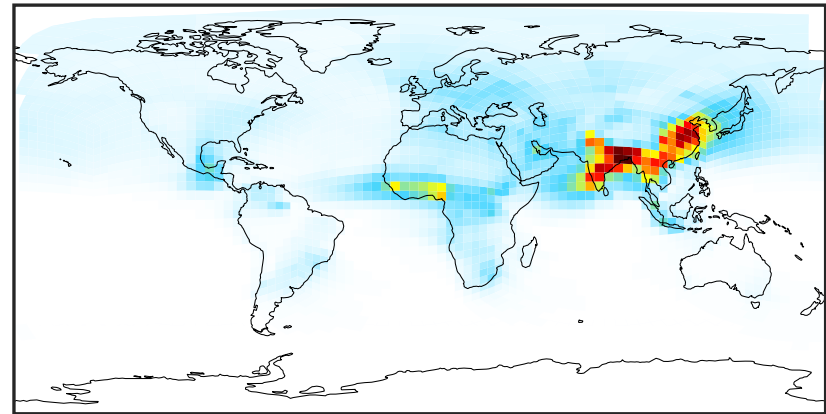
# Column\_AOD\_BCPI (Apr2019)

GCC\_14.2.0 (Ref)  
4.0x5.0



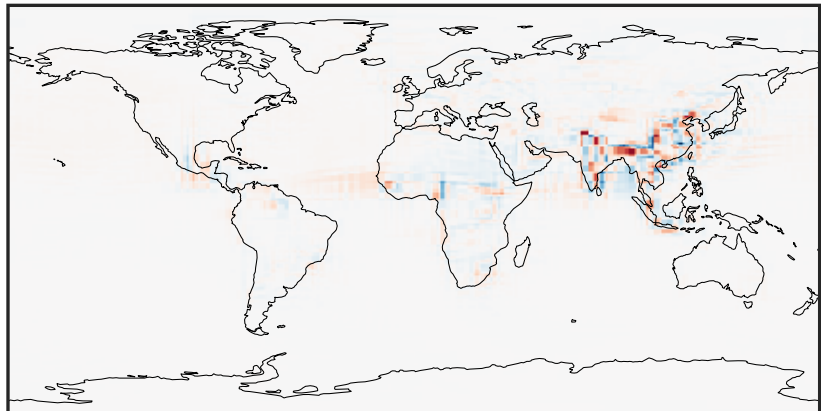
0.008 1 0.016 0.024

GCHP\_14.2.0 (Dev)  
c24



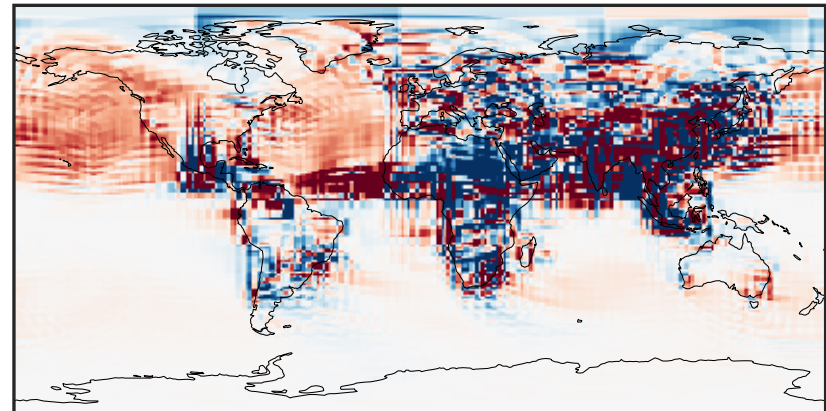
0.008 1 0.016 0.024

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



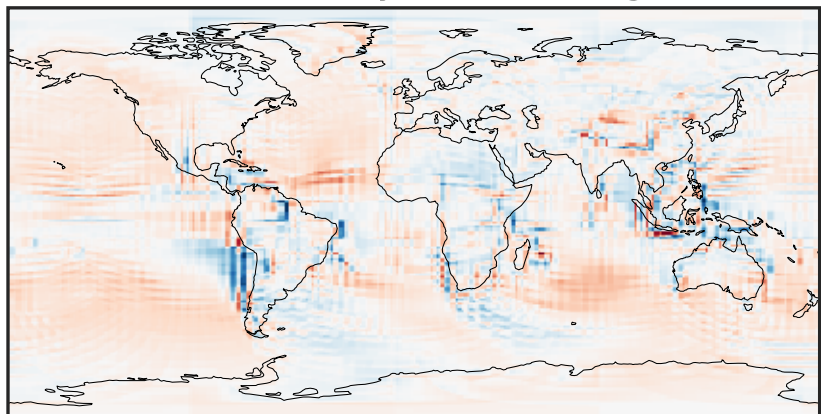
-0.005 1 0.005

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



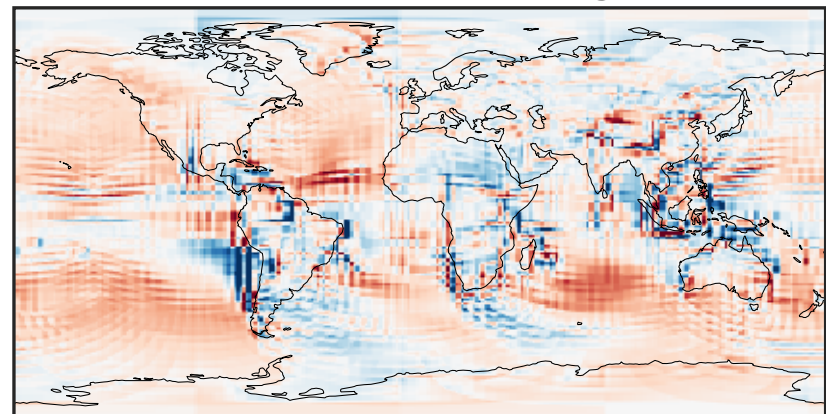
-0.00015 1 0.00015

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



0.267 1.000 2.376 3.751  
unitless

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

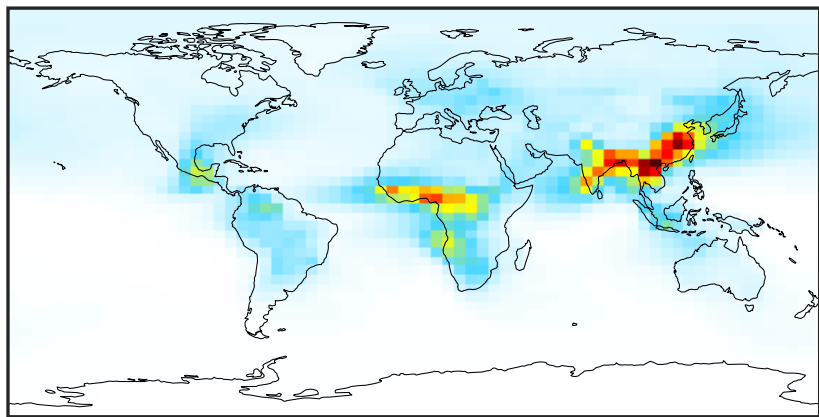


0.50 1.00 1.50 2.00  
unitless



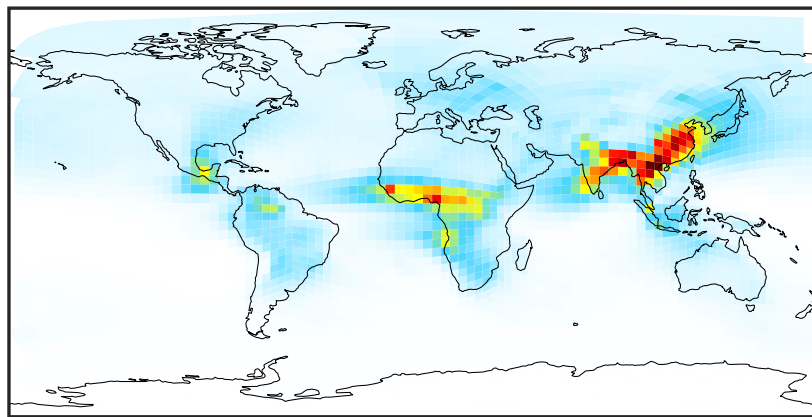
# Column\_AOD\_OCPI (Apr2019)

GCC\_14.2.0 (Ref)  
4.0x5.0



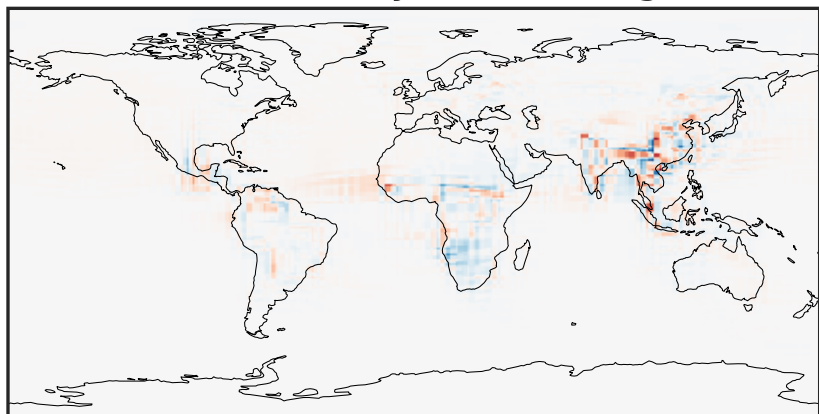
0.0005 0.0541 0.1083 0.1624 0.2170  
1

GCHP\_14.2.0 (Dev)  
c24



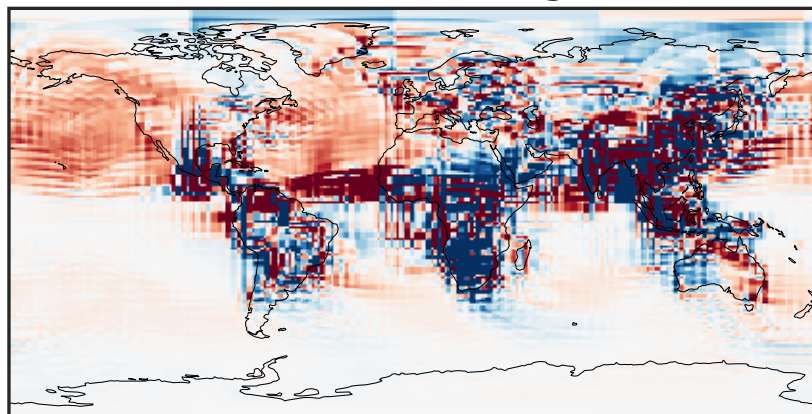
0.0005 0.0541 0.1083 0.1624 0.2170  
1

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



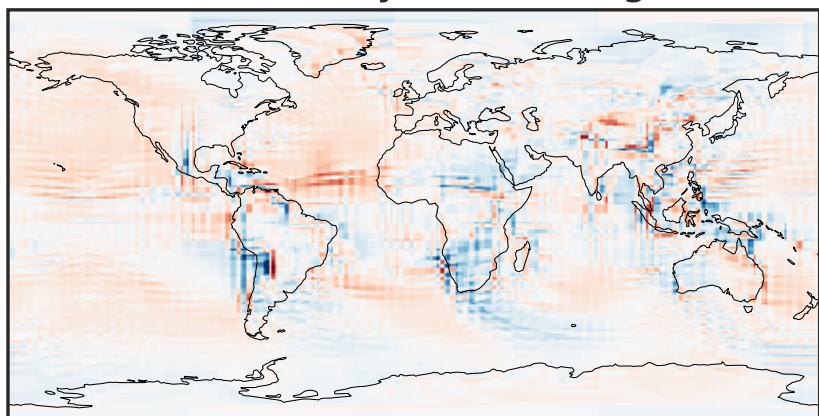
-0.0804 -0.0402 0.0000 0.0402 0.0804  
1

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



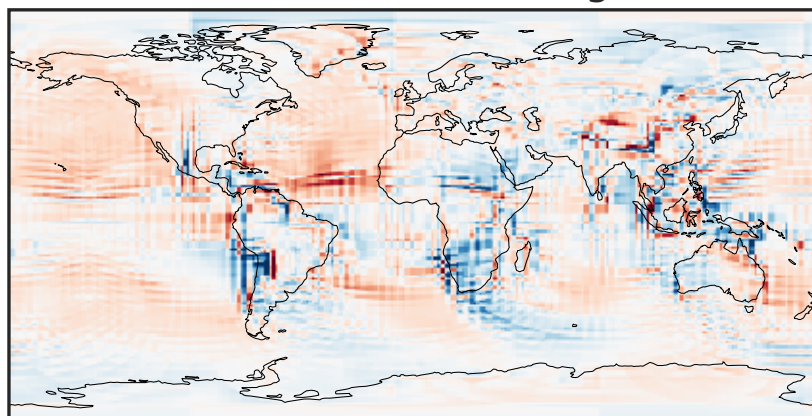
-0.002 0.000 0.002  
1

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



0.356 0.678 1.000 1.906 2.813  
unitless

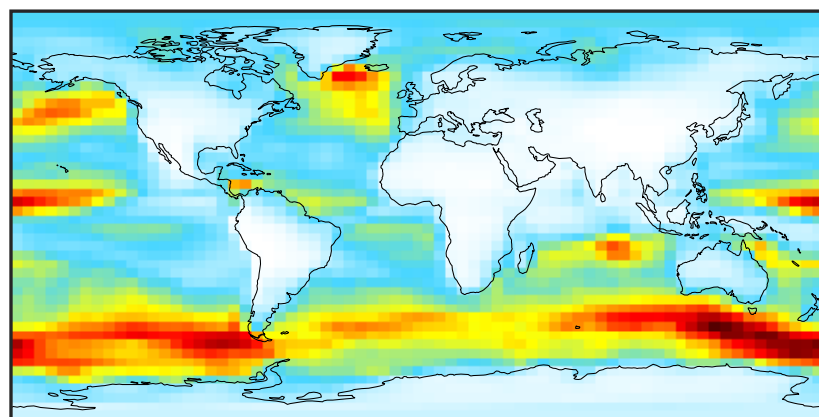
Ratio (1x1.25)  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

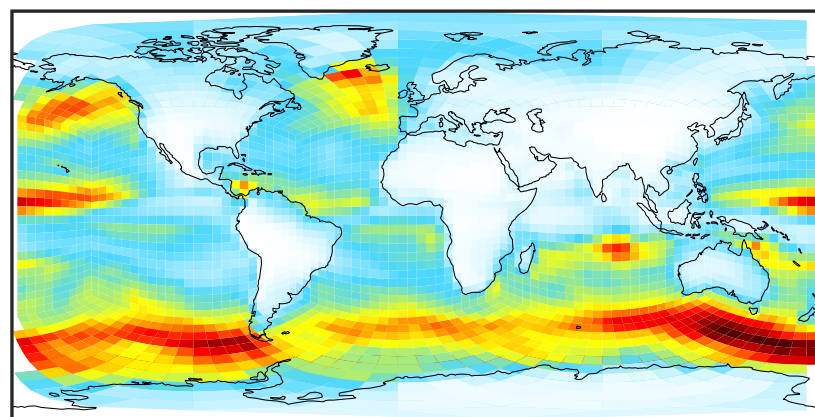
# Column\_AOD\_SALA (Apr2019)

GCC\_14.2.0 (Ref)  
4.0x5.0



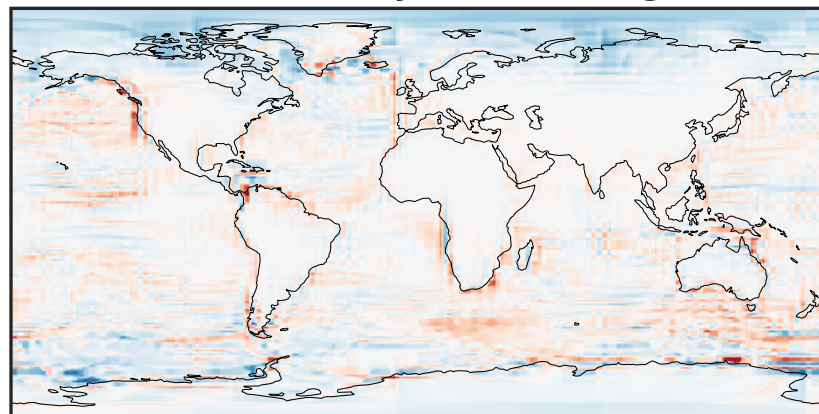
0.015      0.030      0.045  
1

GCHP\_14.2.0 (Dev)  
c24



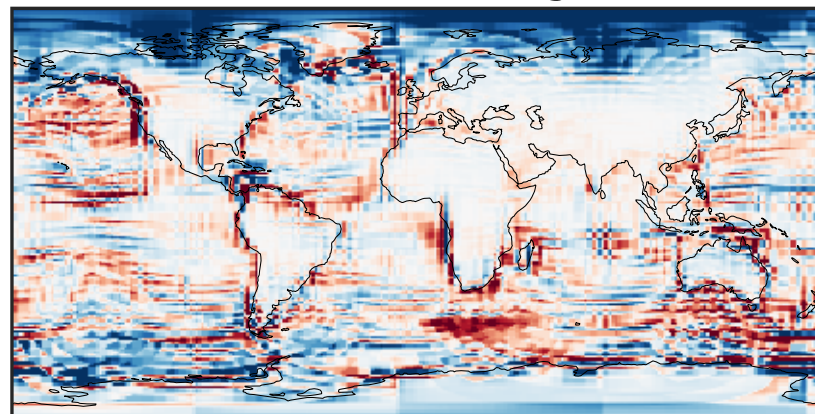
0.015      0.030      0.045  
1

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



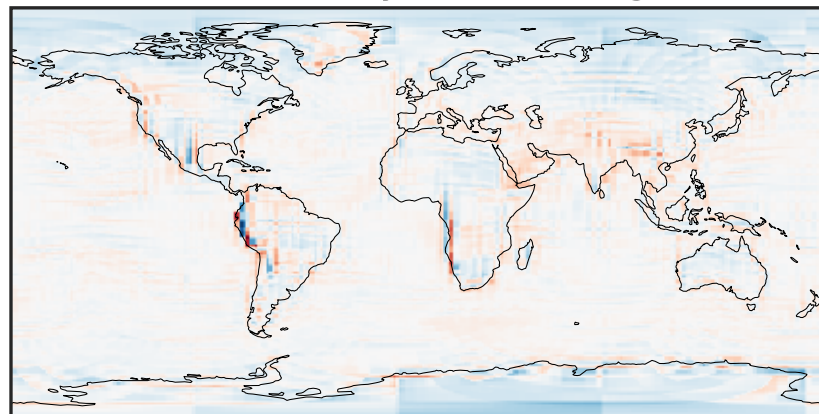
-0.01      0.00      0.01  
1

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



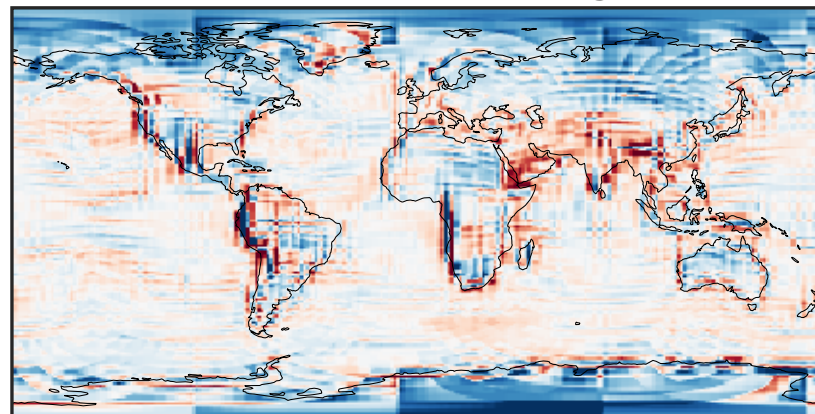
-0.0025      0.0000      0.0025  
1

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



1e-01      1      10  
unitless

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

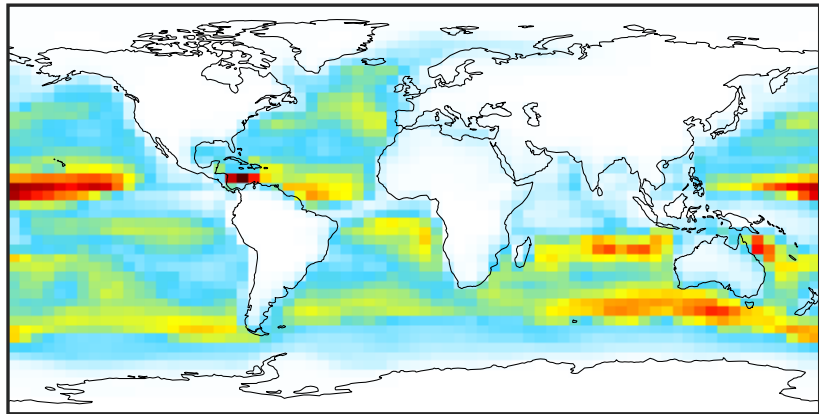


0.50      0.75      1.00      1.50      2.00  
unitless



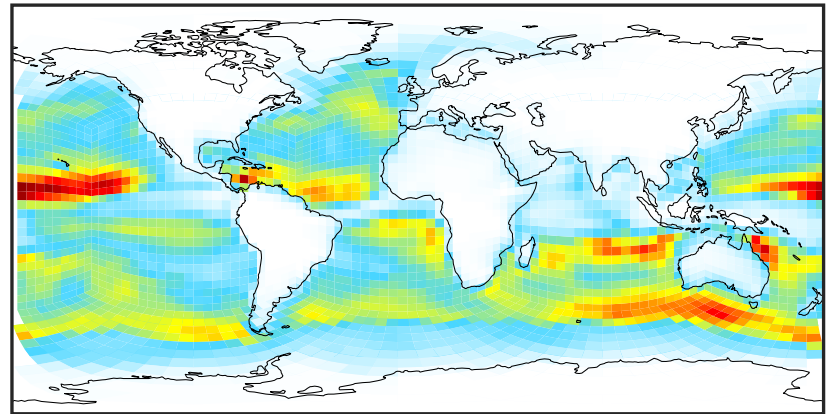
# Column\_AOD\_SALC (Apr2019)

GCC\_14.2.0 (Ref)  
4.0x5.0



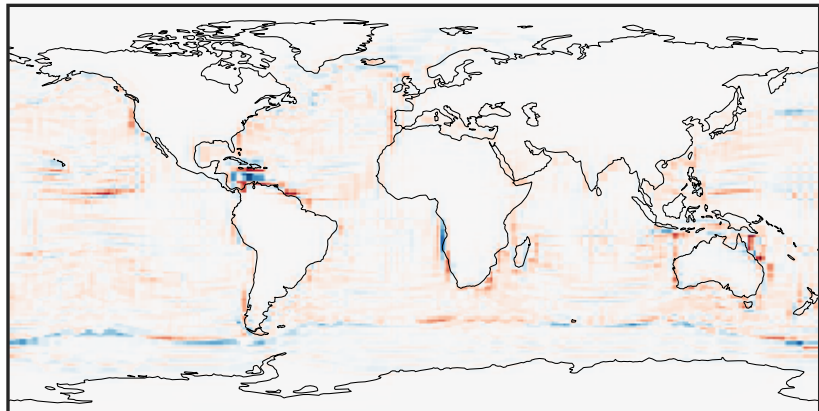
0.0000 0.0330 0.0661 0.0991 0.1322  
1

GCHP\_14.2.0 (Dev)  
c24



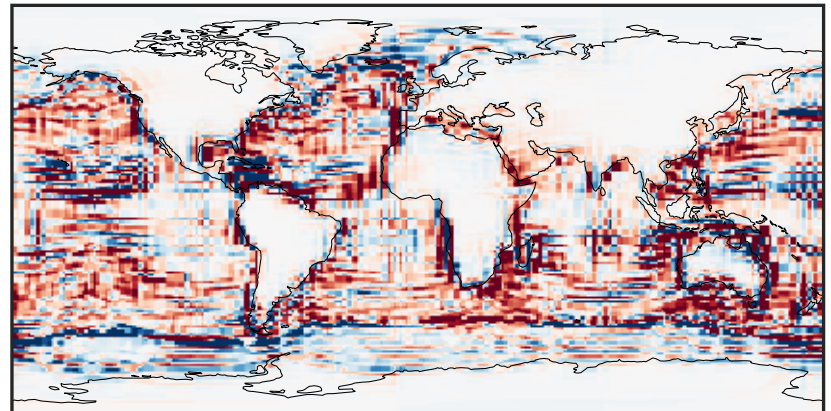
0.0000 0.0330 0.0661 0.0991 0.1322  
1

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



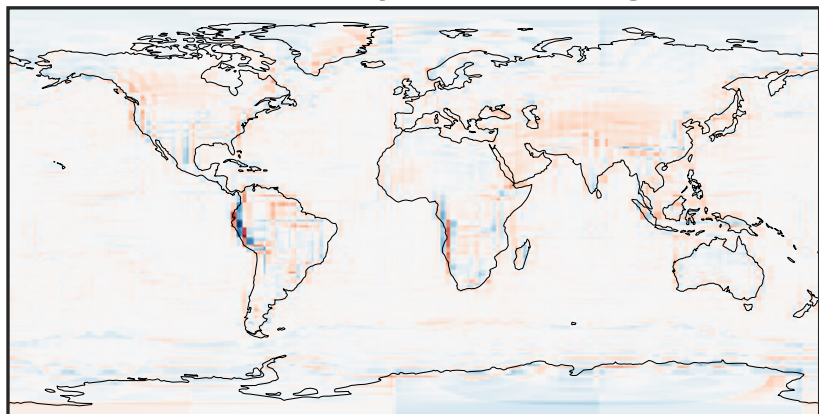
-0.0526 -0.0263 0.0000 0.0263 0.0526  
1

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



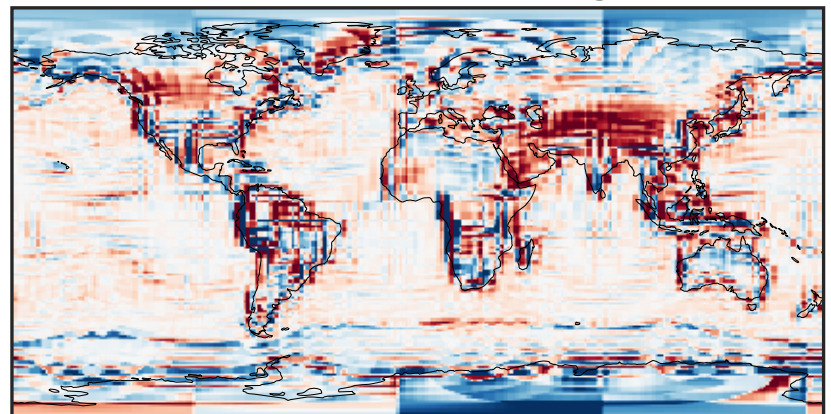
-0.004 0.000 0.004  
1

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



1e-01 1 10  
unitless

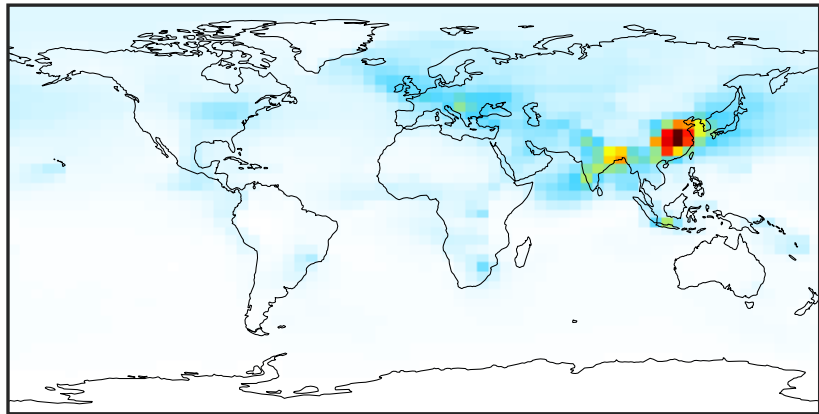
Ratio (1x1.25)  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

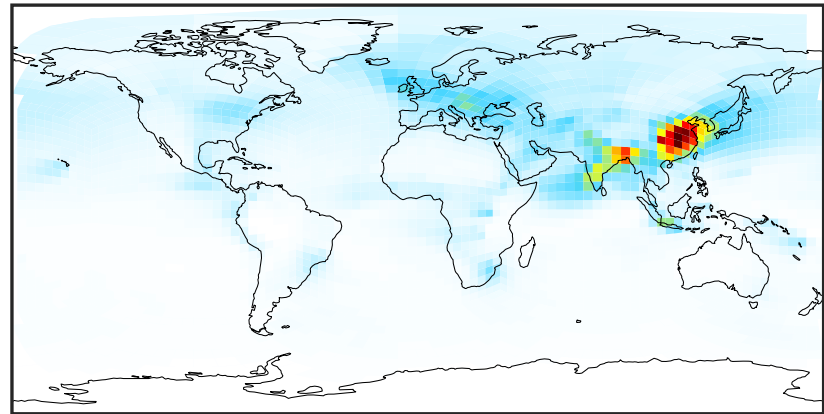
# Column\_AOD\_SO4 (Apr2019)

GCC\_14.2.0 (Ref)  
4.0x5.0



0.0012 0.1910 0.3820 0.5730 0.7651  
1

GCHP\_14.2.0 (Dev)  
c24



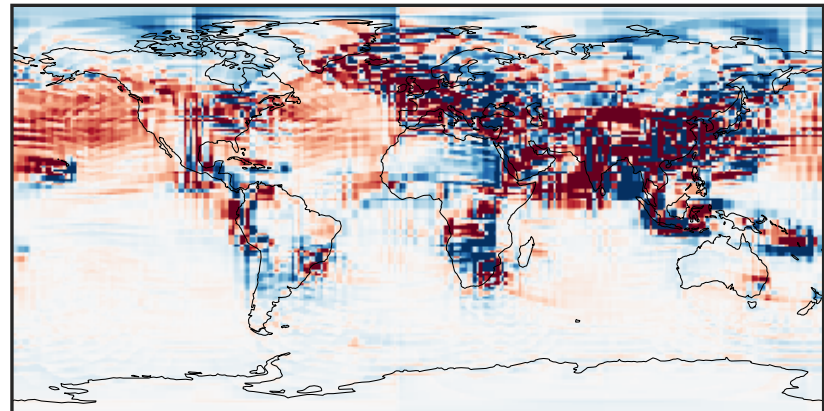
0.0012 0.1910 0.3820 0.5730 0.7651  
1

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



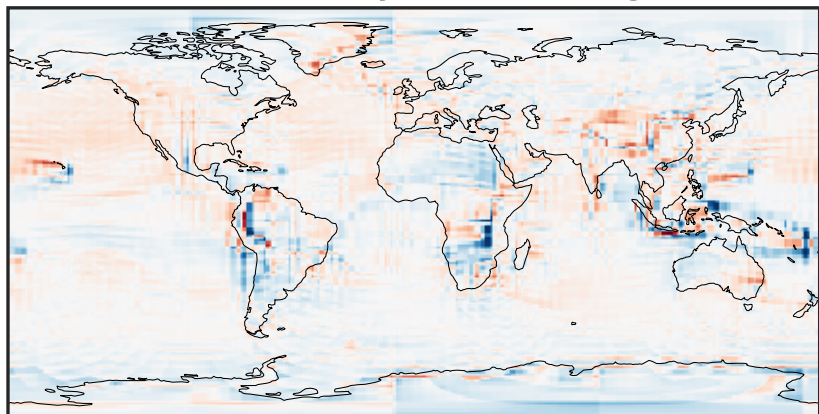
-0.2988 -0.1494 0.0000 0.1494 0.2988  
1

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



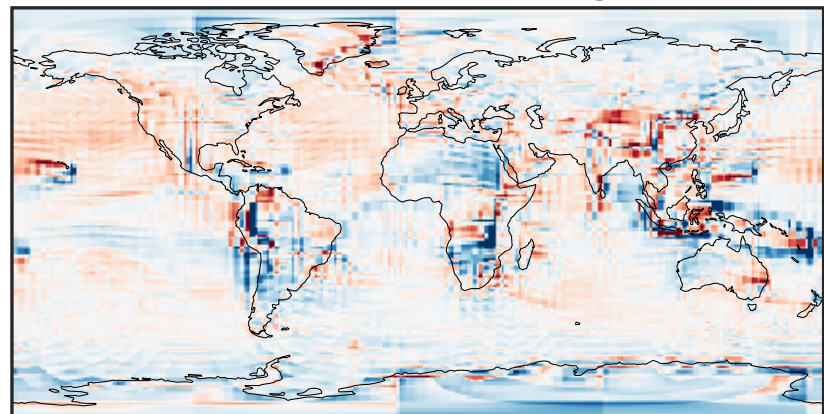
-0.005 0.000 0.005  
1

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



0.290 0.645 1.000 2.225 3.449  
unitless

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

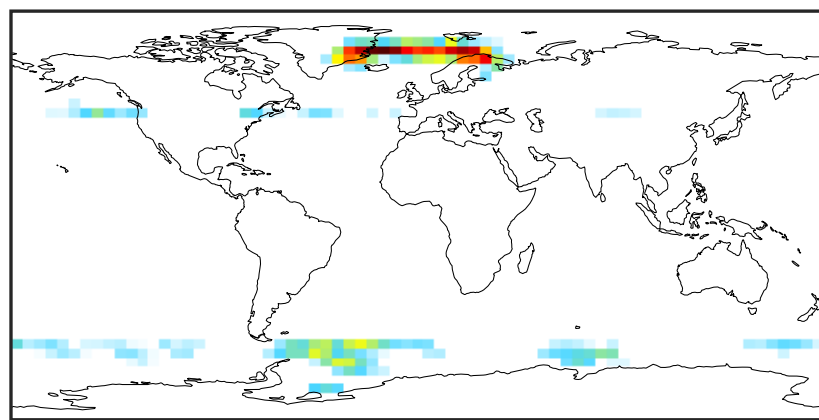


0.50 0.75 1.00 1.50 2.00  
unitless



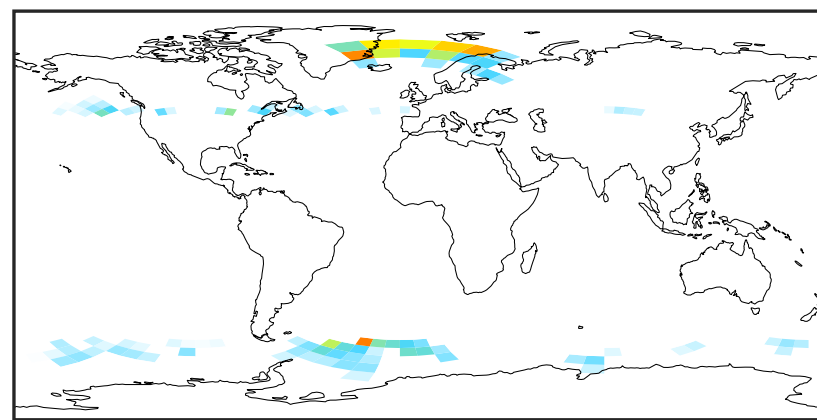
# Column\_AOD\_Polar\_Strat\_Cloud (Apr2019)

GCC\_14.2.0 (Ref)  
4.0x5.0



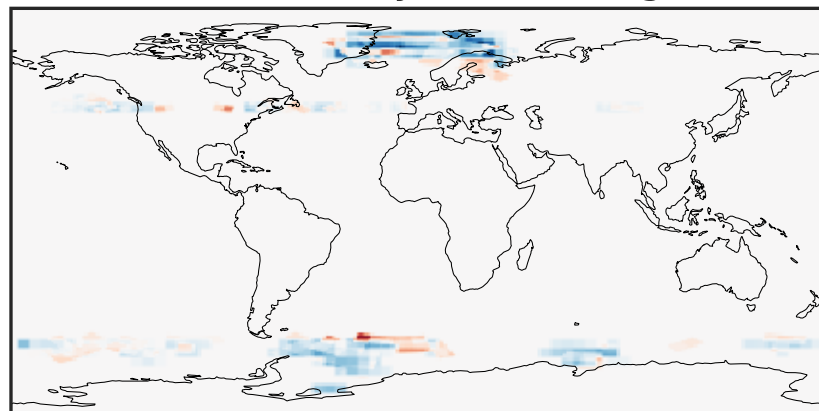
0.0000 0.0015 0.0030  
1

GCHP\_14.2.0 (Dev)  
c24



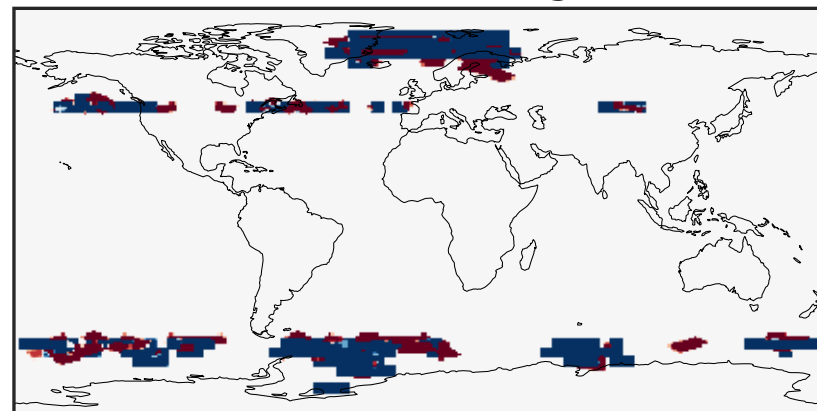
0.0000 0.0015 0.0030  
1

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



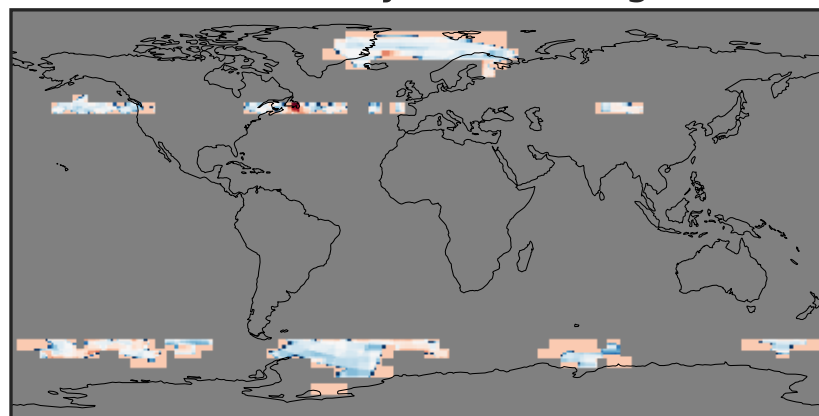
-0.0015 0.0000 0.0015  
1

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



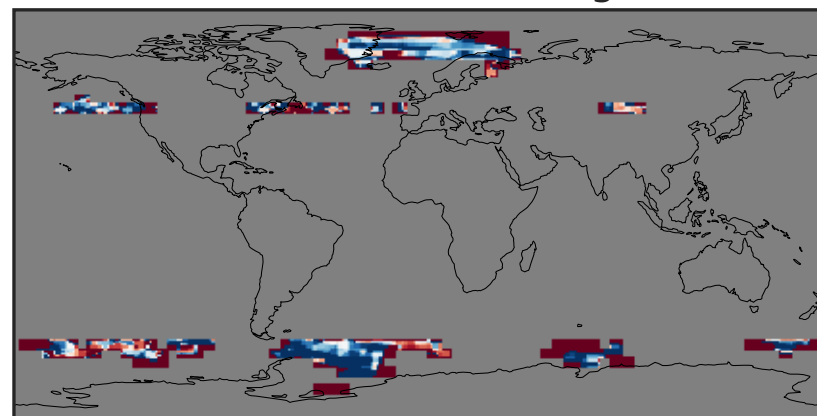
-2 0 2  
1 1e-5

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



1e-01 1 10  
unitless

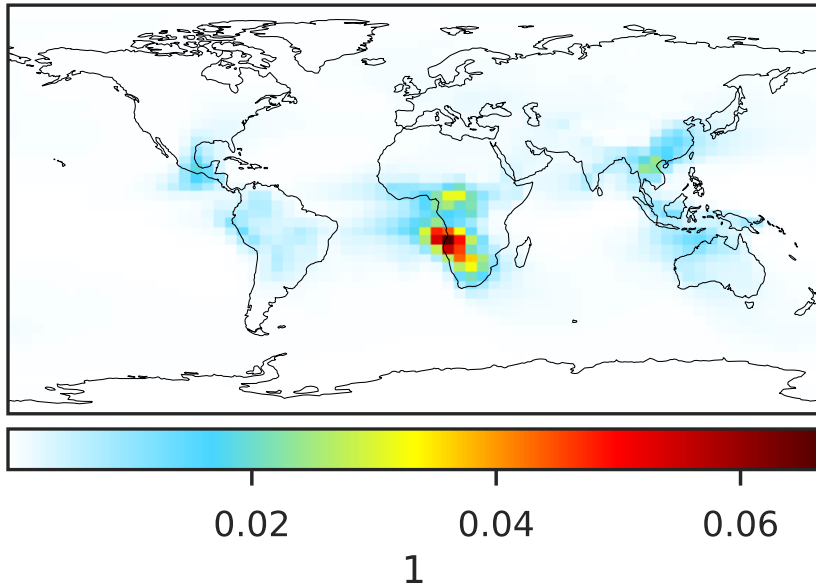
Ratio (1x1.25)  
Dev/Ref, Fixed Range



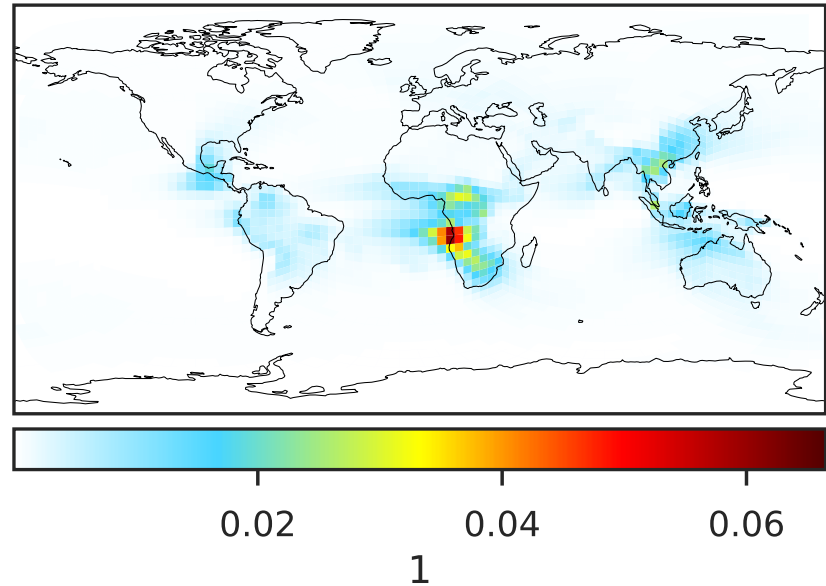
0.50 0.75 1.00 1.50 2.00  
unitless

# Column\_AOD\_SOA\_from\_Aqueous\_ISOP (Apr2019)

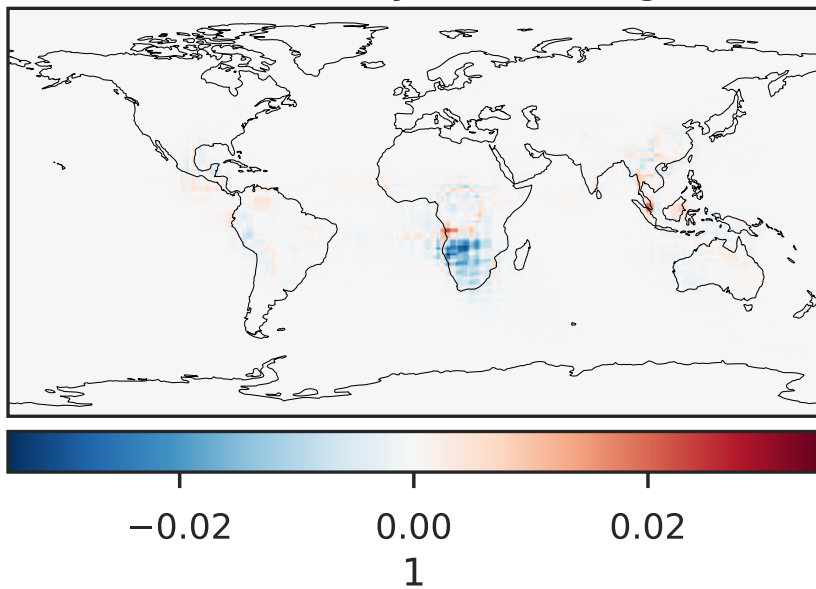
GCC\_14.2.0 (Ref)  
4.0x5.0



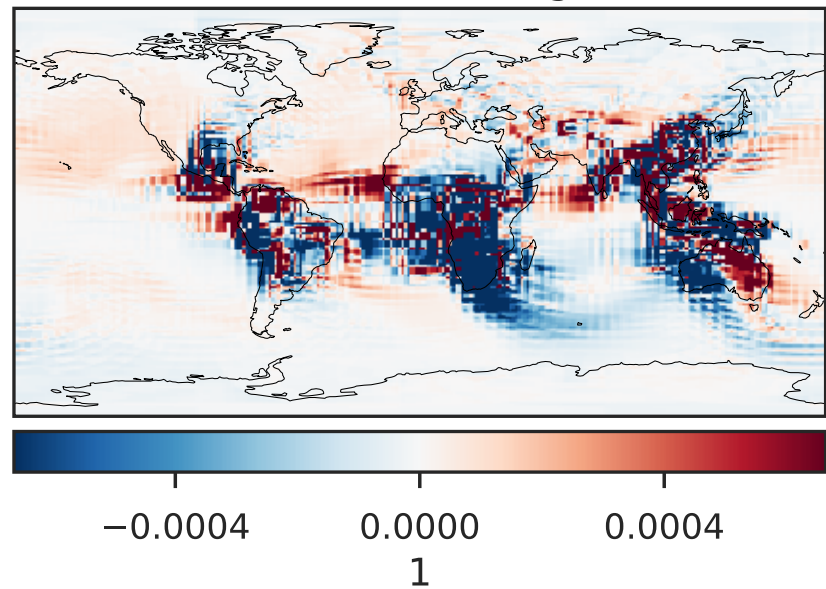
GCHP\_14.2.0 (Dev)  
c24



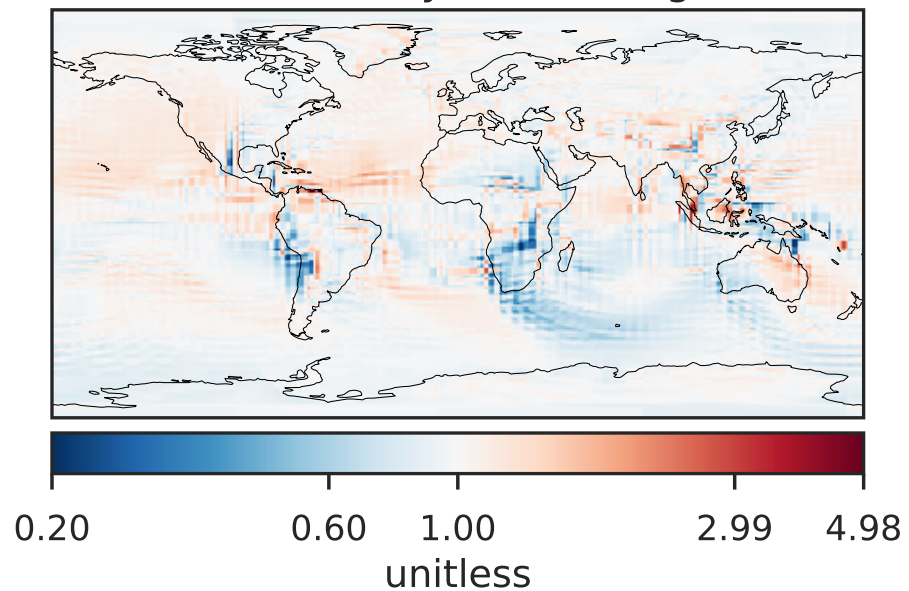
Difference (1x1.25)  
Dev - Ref, Dynamic Range



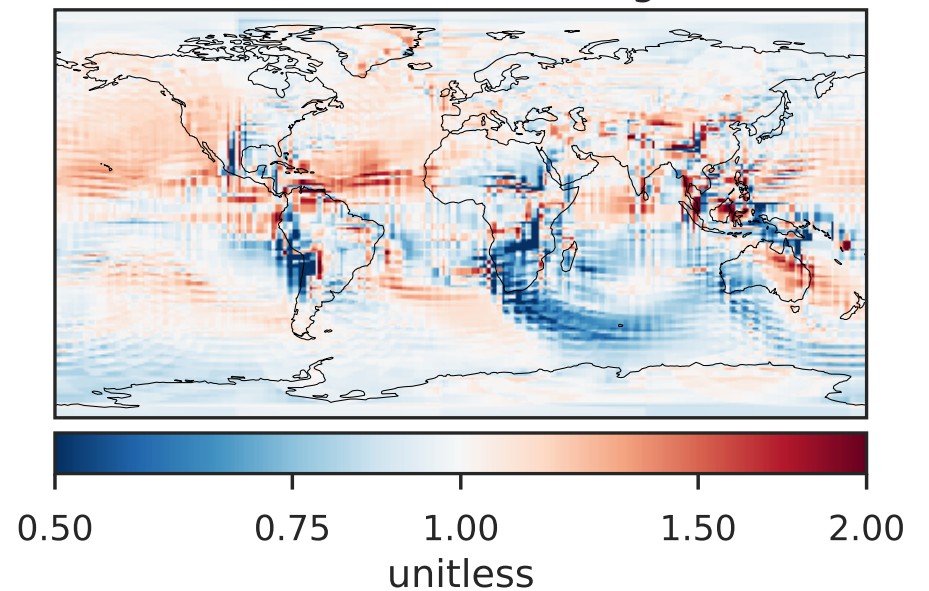
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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



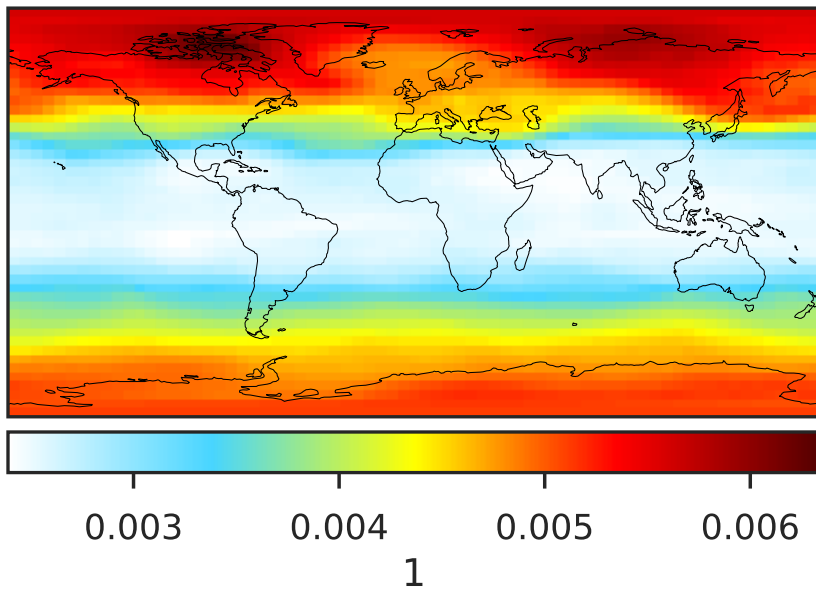
Ratio (1x1.25)  
Dev/Ref, Fixed Range



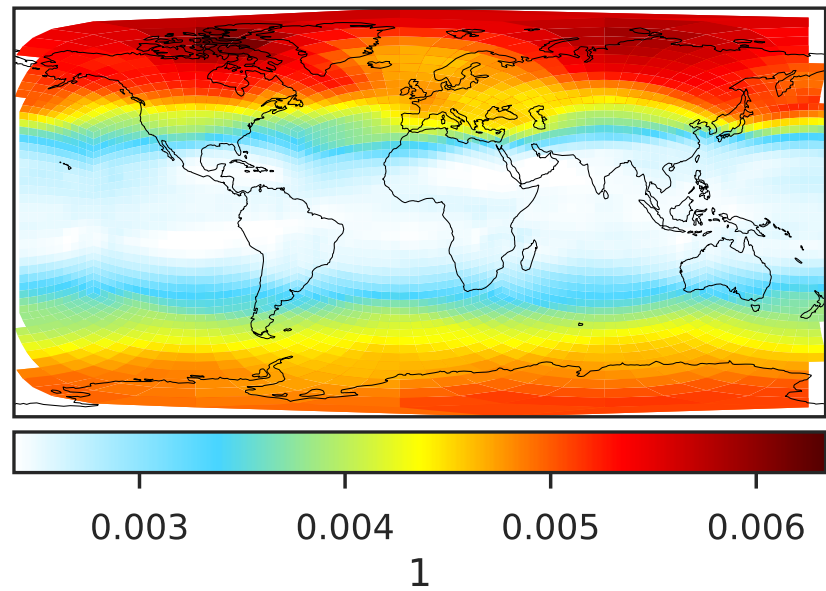


# Column\_AOD\_Strat\_Liquid\_Aerosol (Apr2019)

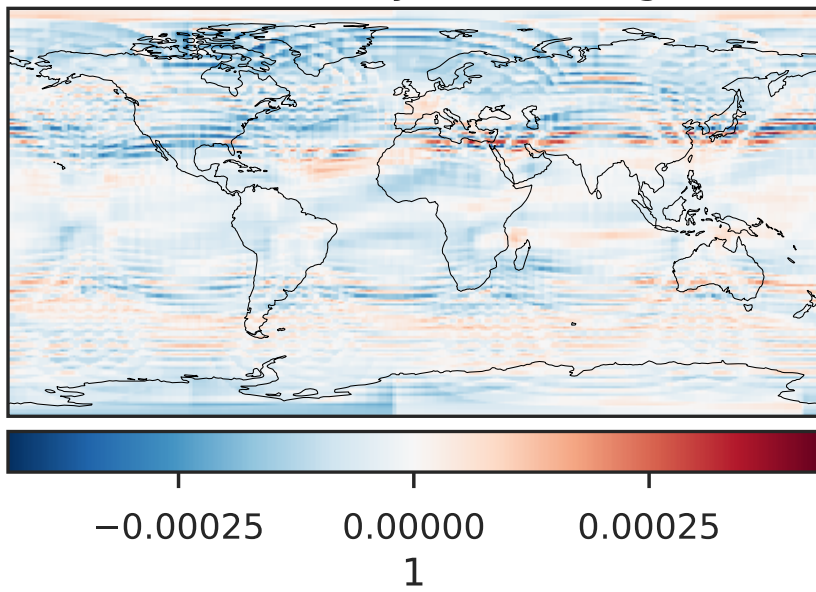
GCC\_14.2.0 (Ref)  
4.0x5.0



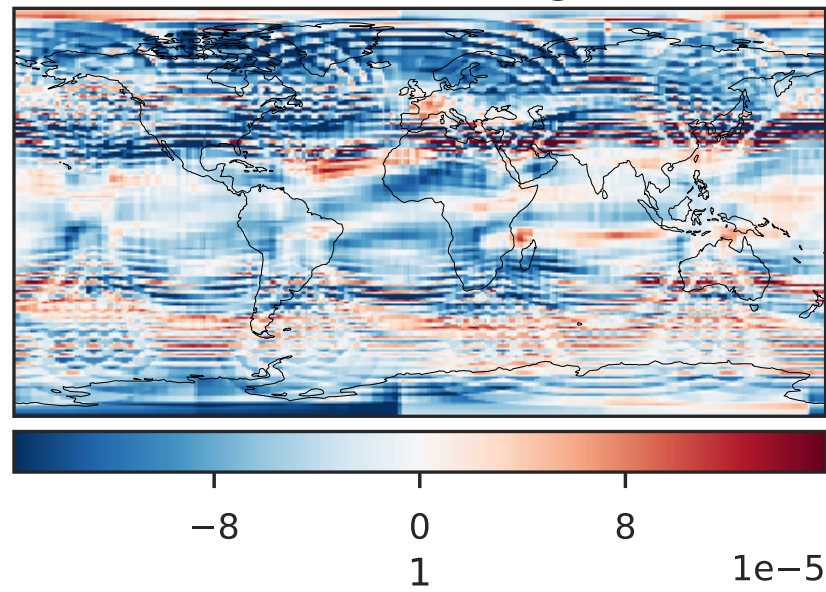
GCHP\_14.2.0 (Dev)  
c24



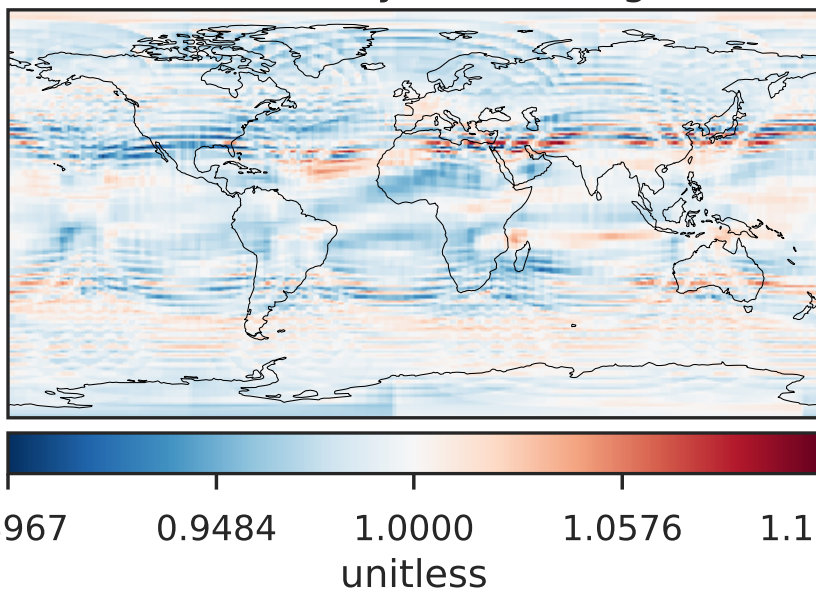
Difference (1x1.25)  
Dev - Ref, Dynamic Range



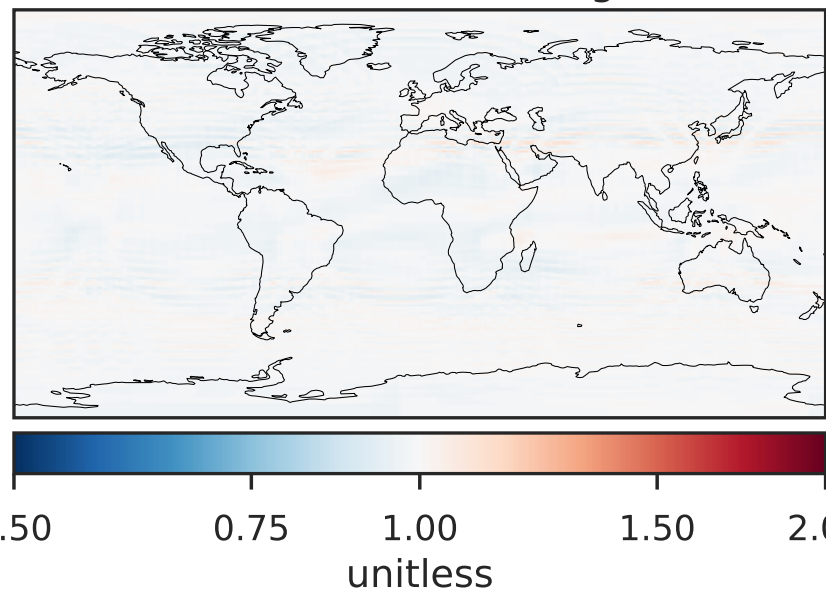
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

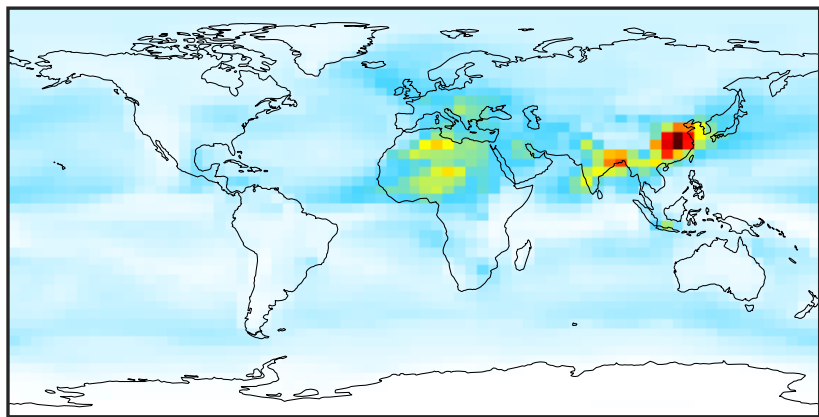


Ratio (1x1.25)  
Dev/Ref, Fixed Range



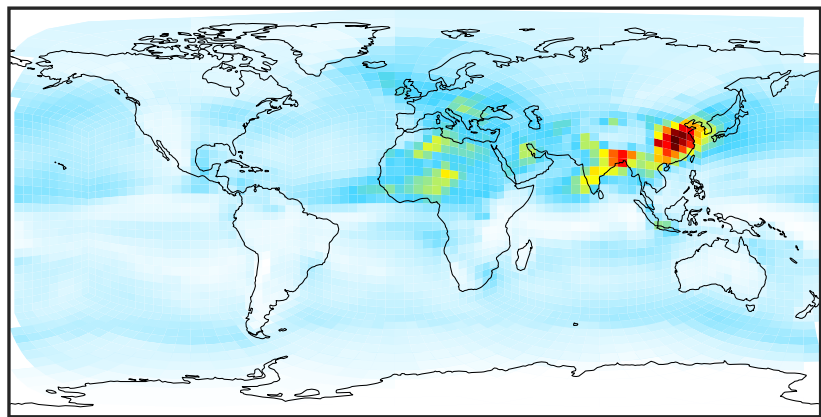
# Column\_AOD\_Total (Apr2019)

GCC\_14.2.0 (Ref)  
4.0x5.0



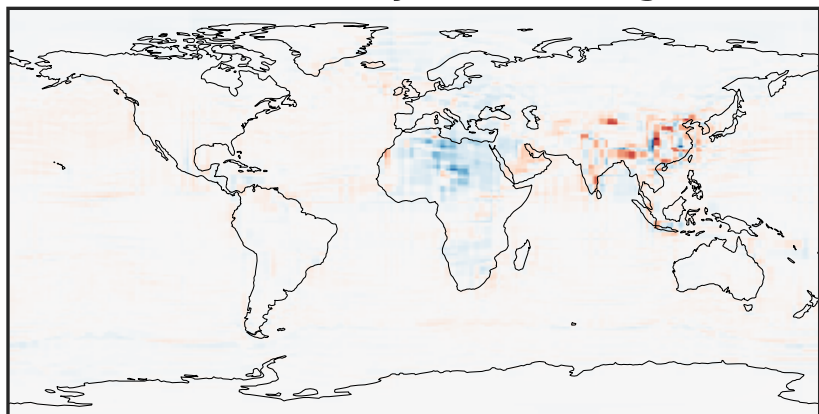
0.009 0.259 0.518 0.777 1.045  
1

GCHP\_14.2.0 (Dev)  
c24



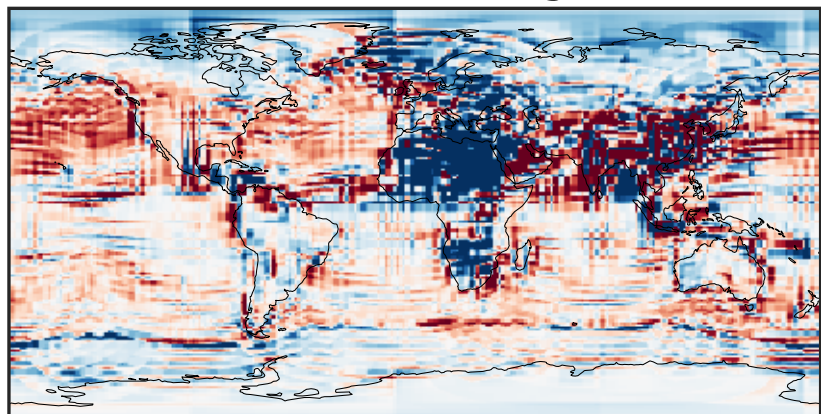
0.009 0.259 0.518 0.777 1.045  
1

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



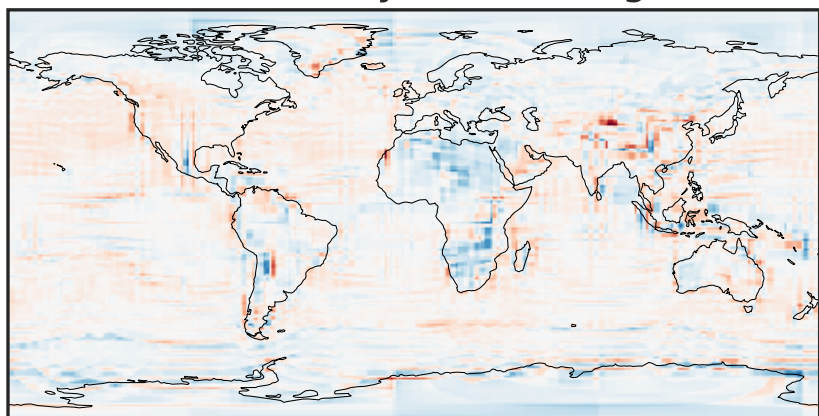
-0.3763 -0.1882 0.0000 0.1882 0.3763  
1

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



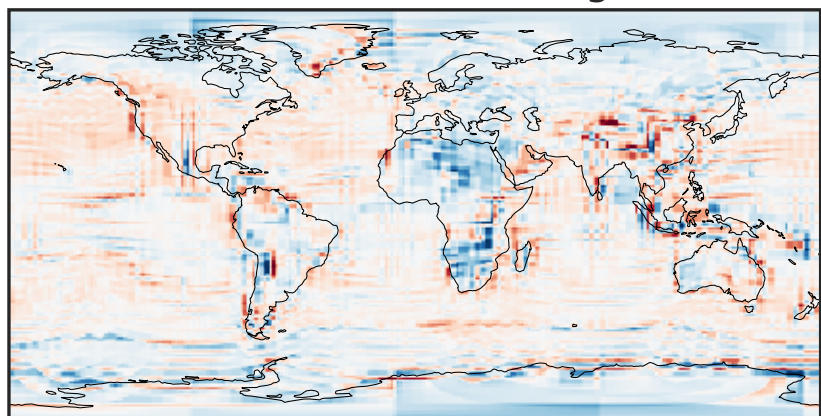
-0.015 0.000 0.015  
1

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



0.327 0.663 1.000 2.031 3.061  
unitless

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



0.50 0.75 1.00 1.50 2.00  
unitless