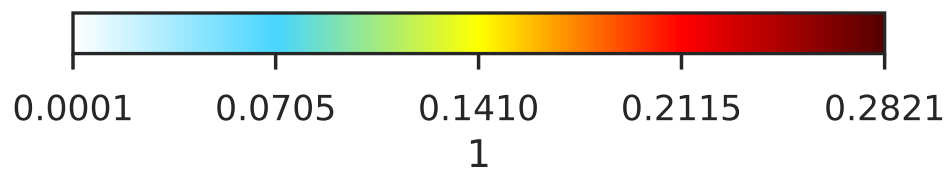
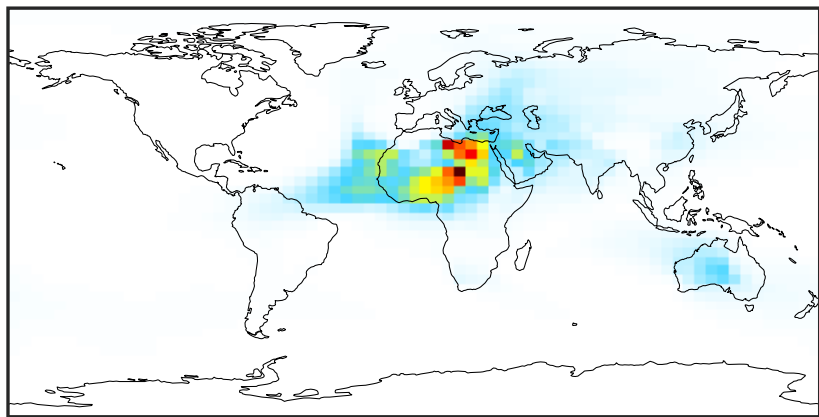
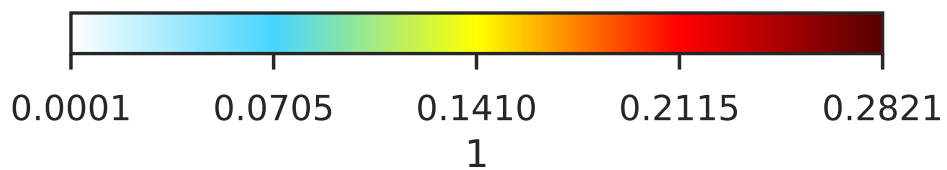
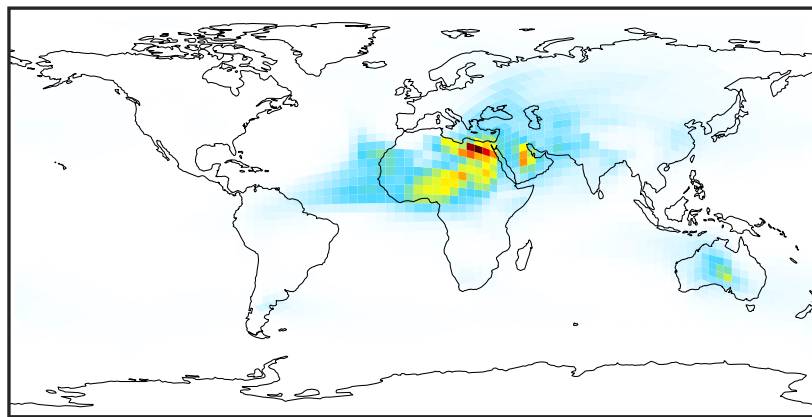


# Column\_AOD\_Dust (Jan2019)

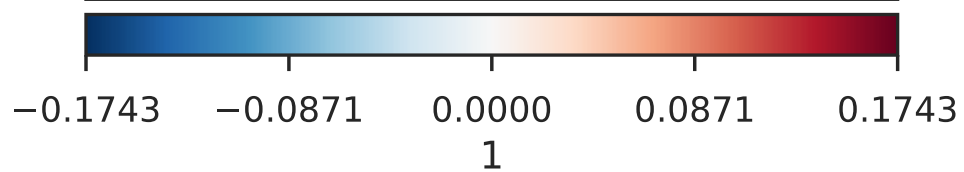
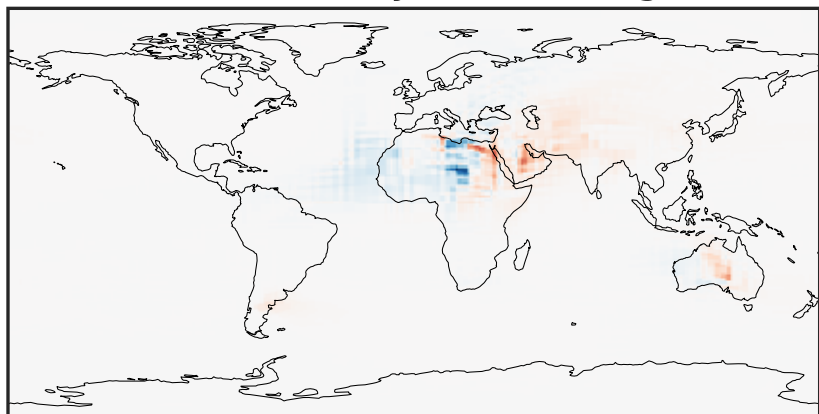
GCC\_14.2.0 (Ref)  
4.0x5.0



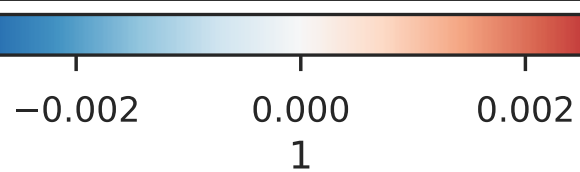
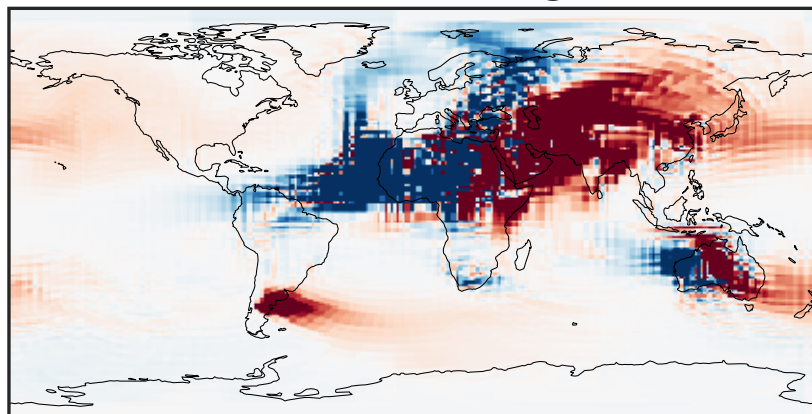
GCHP\_14.2.0 (Dev)  
c24



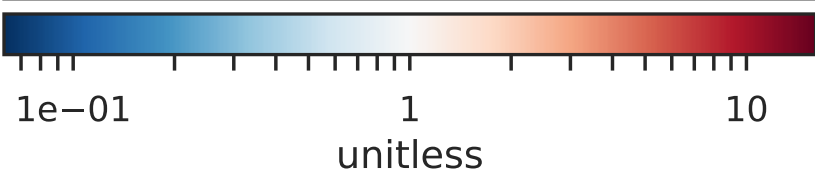
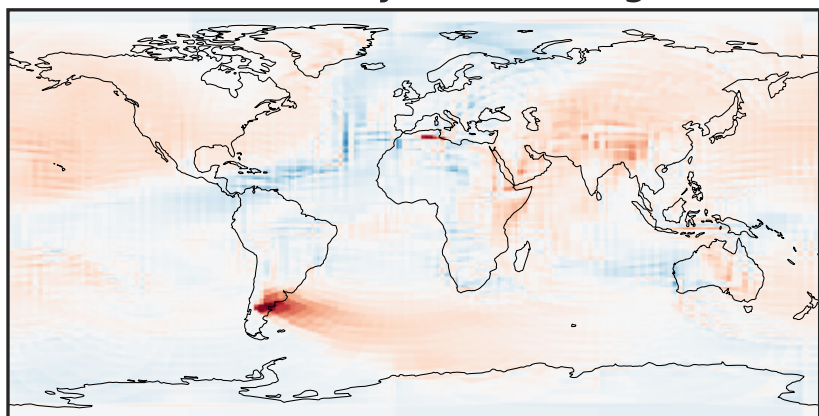
Difference (1x1.25)  
Dev - Ref, Dynamic Range



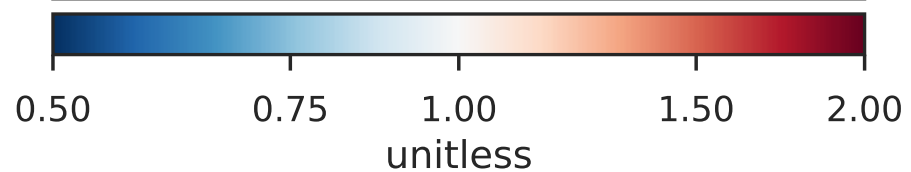
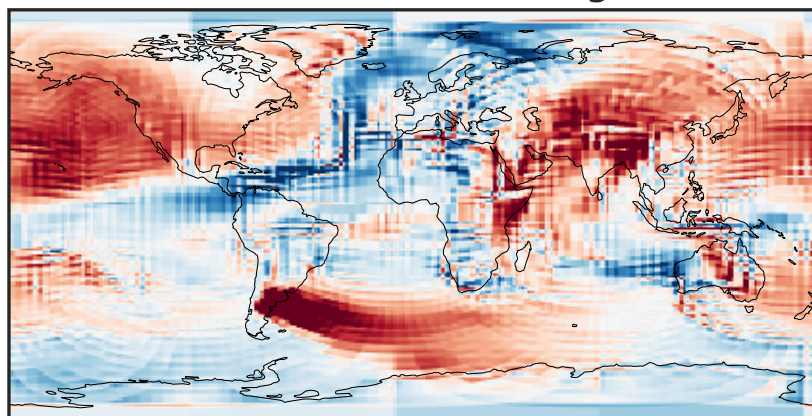
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

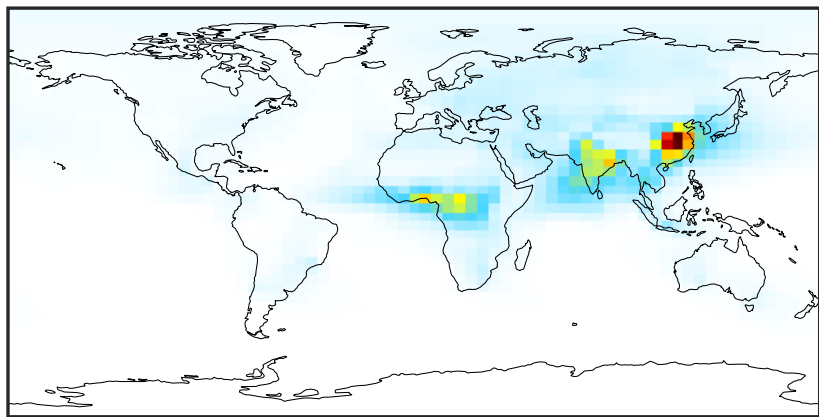


Ratio (1x1.25)  
Dev/Ref, Fixed Range



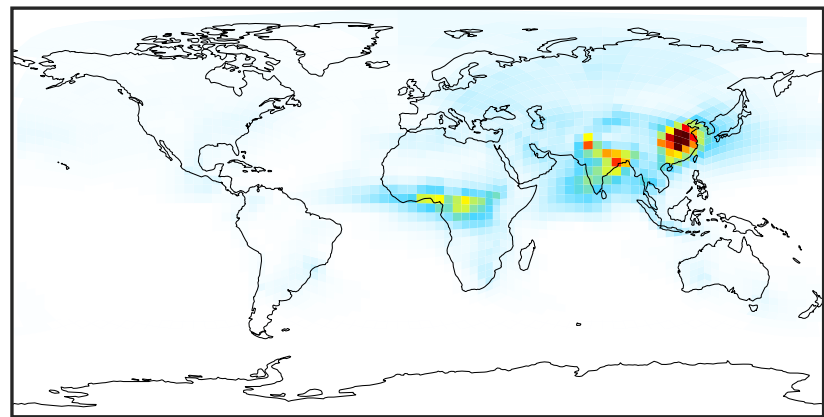
# Column\_AOD\_BCPI (Jan2019)

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



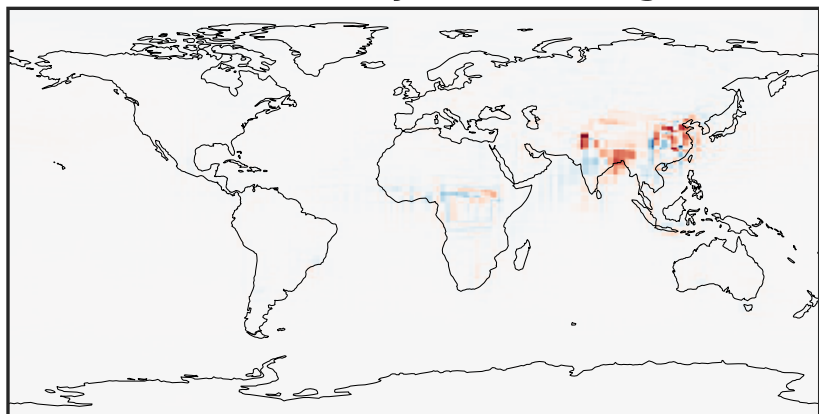
0.015 0.030 0.045  
1

GCHP\_14.2.0 (Dev)  
c24



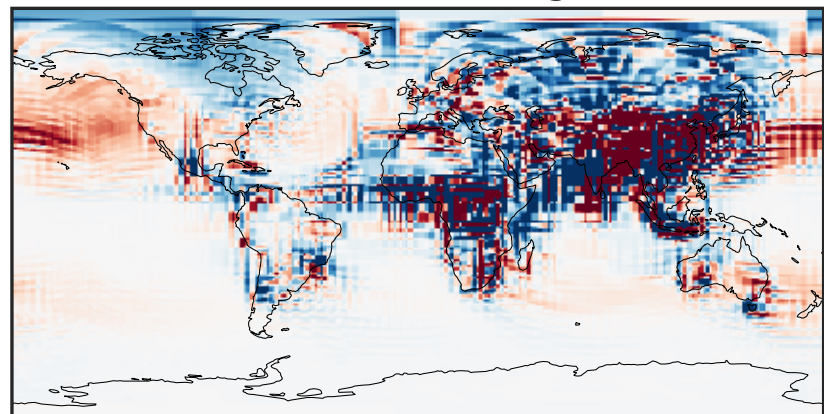
0.015 0.030 0.045  
1

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



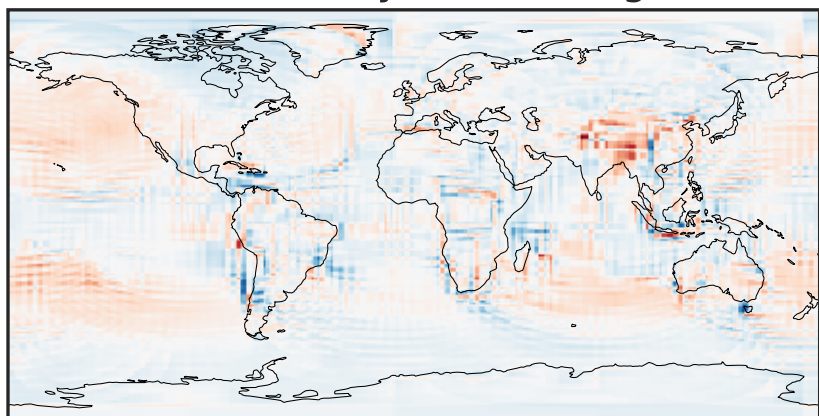
-0.01 0.00 0.01  
1

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



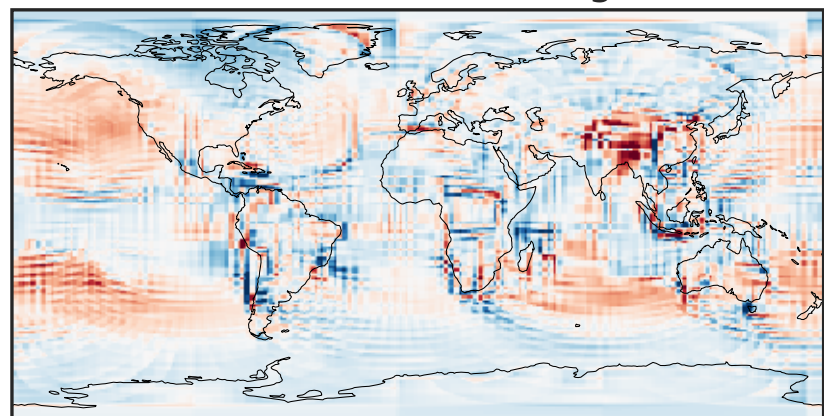
-0.0002 0.0000 0.0002  
1

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



0.247 0.624 1.000 2.521 4.043  
unitless

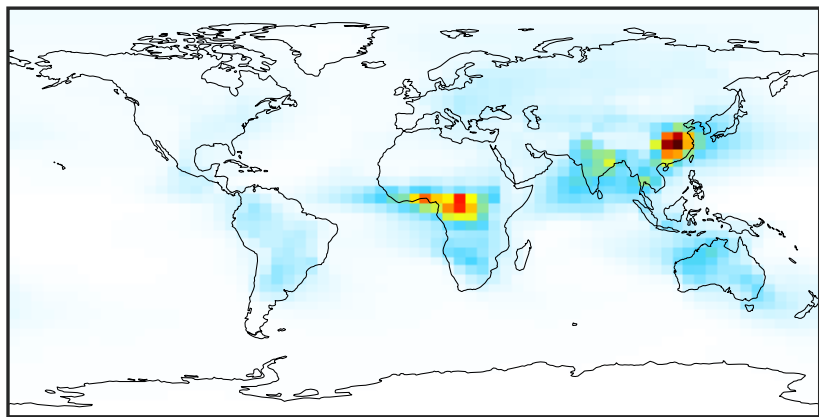
Ratio (1x1.25)  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

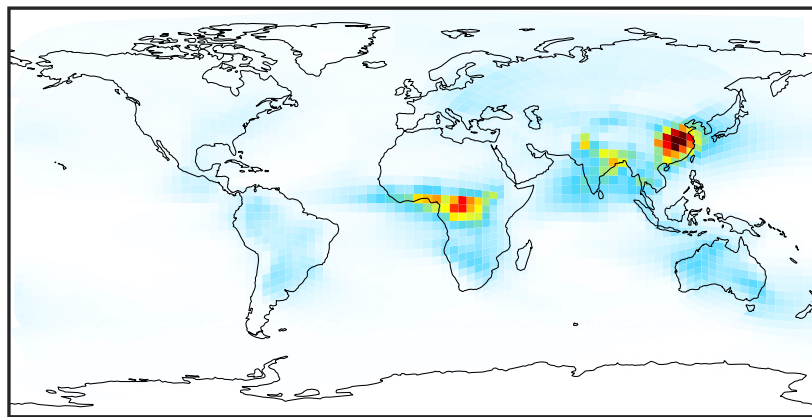
# Column\_AOD\_OCPI (Jan2019)

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



0.0006 0.0902 0.1803 0.2705 0.3612  
1

GCHP\_14.2.0 (Dev)  
c24



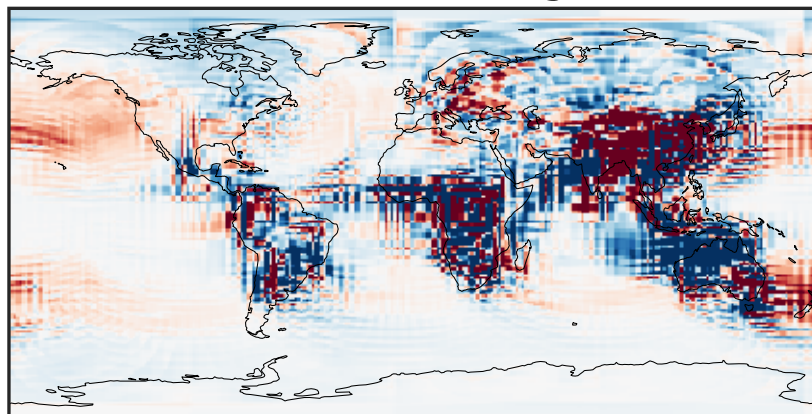
0.0006 0.0902 0.1803 0.2705 0.3612  
1

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



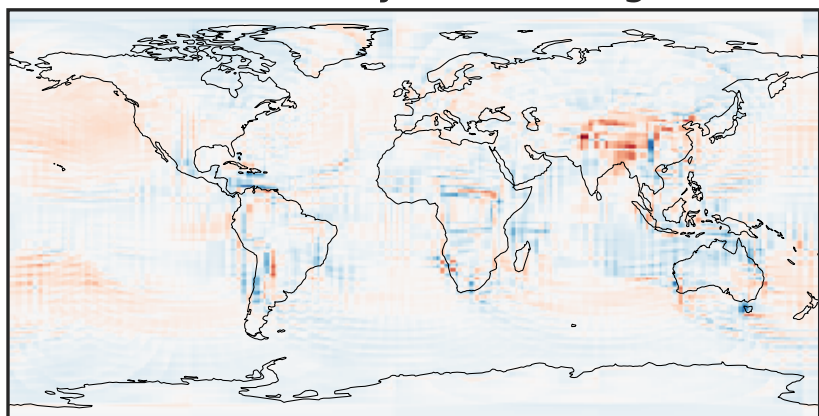
-0.1465 -0.0732 0.0000 0.0732 0.1465  
1

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



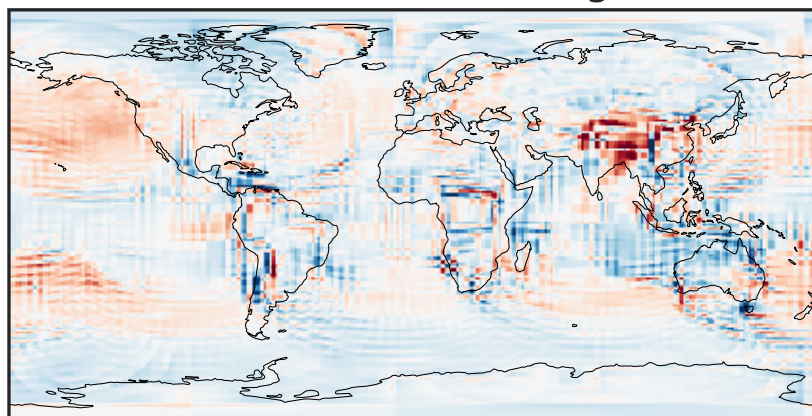
-0.002 0.000 0.002  
1

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



0.246 0.623 1.000 2.534 4.069  
unitless

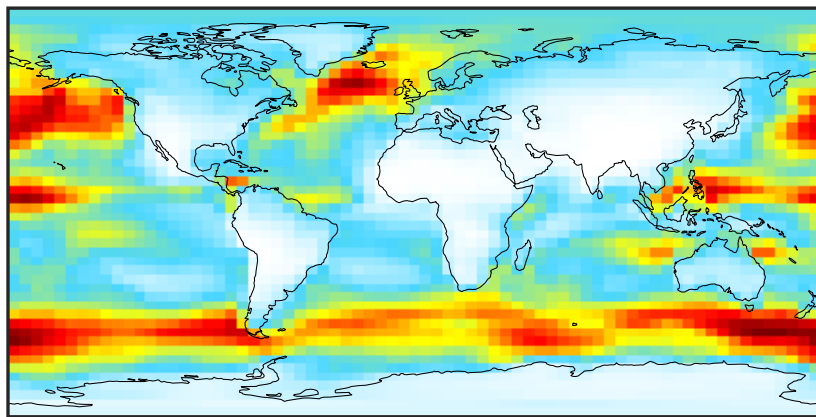
Ratio (1x1.25)  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

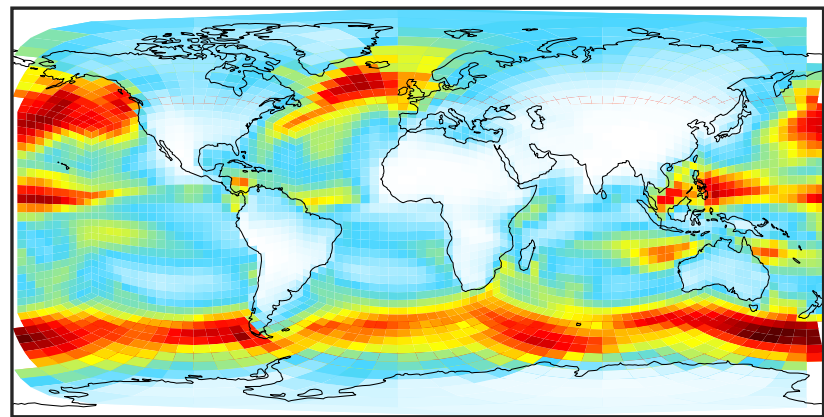
# Column\_AOD\_SALA (Jan2019)

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



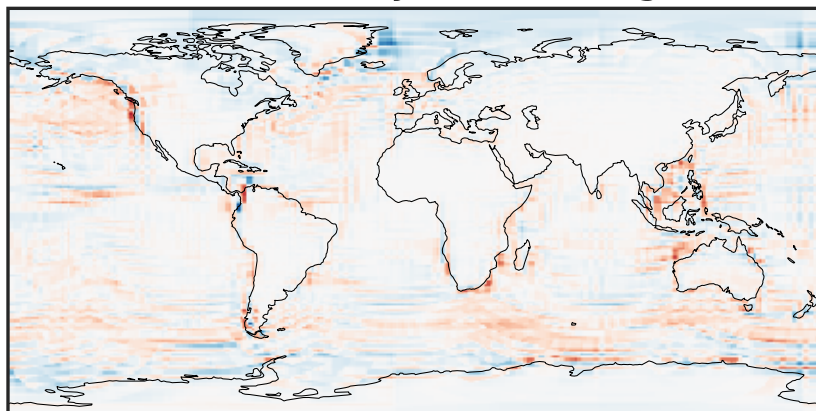
0.015 0.030 0.045  
1

GCHP\_14.2.0 (Dev)  
c24



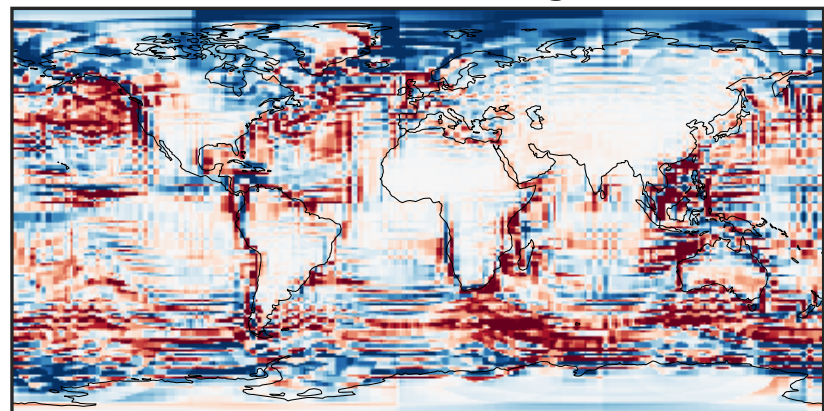
0.015 0.030 0.045  
1

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



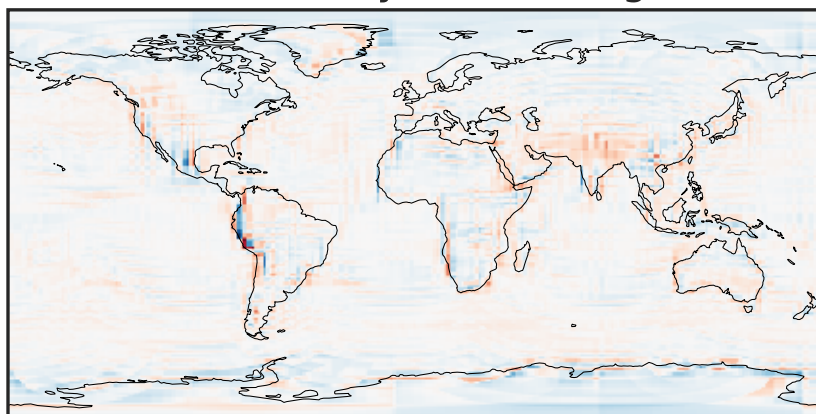
-0.01 0.00 0.01  
1

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



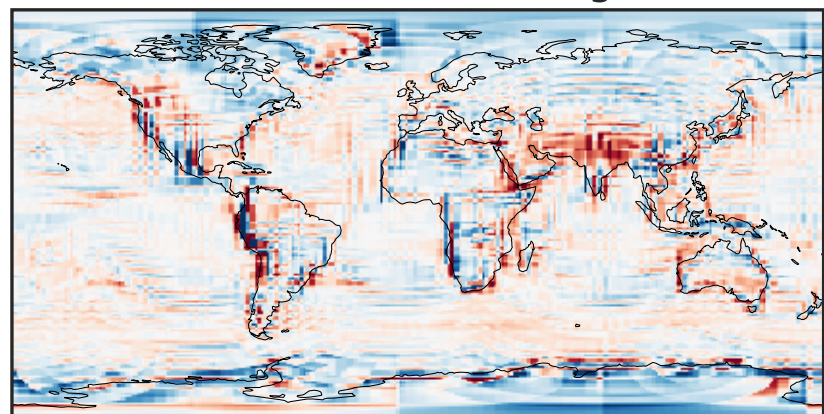
-0.002 0.000 0.002  
1

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



0.110 0.555 1.000 5.055 9.110  
unitless

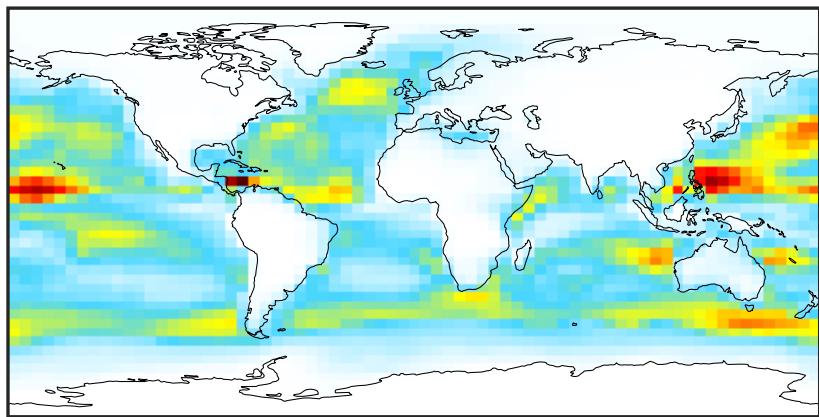
Ratio (1x1.25)  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

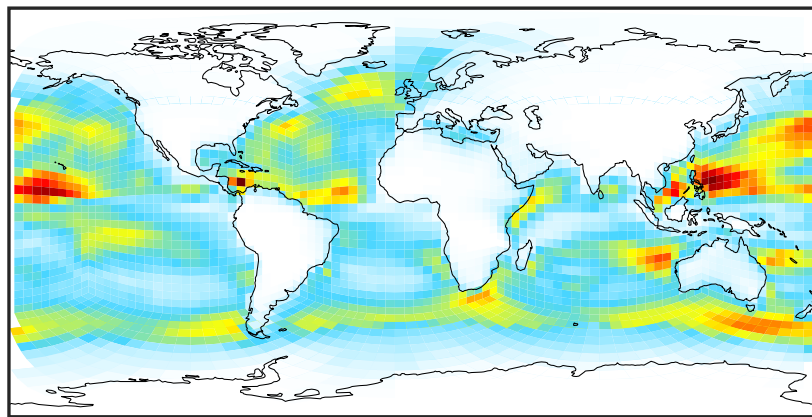
# Column\_AOD\_SALC (Jan2019)

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



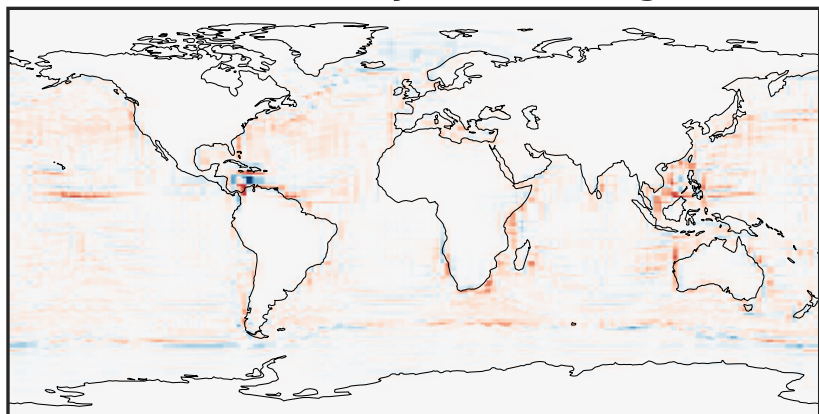
0.0000 0.0351 0.0702 0.1053 0.1404  
1

GCHP\_14.2.0 (Dev)  
c24



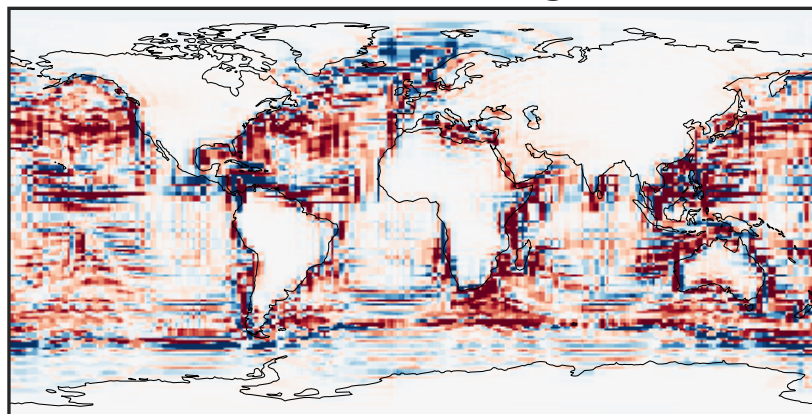
0.0000 0.0351 0.0702 0.1053 0.1404  
1

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



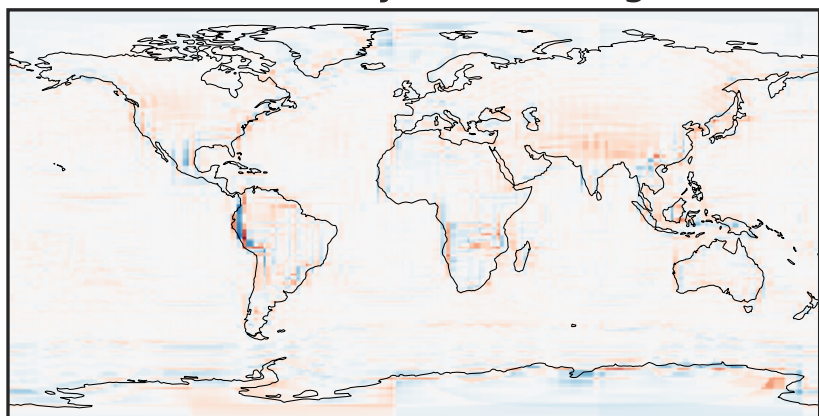
-0.0646 -0.0323 0.0000 0.0323 0.0646  
1

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



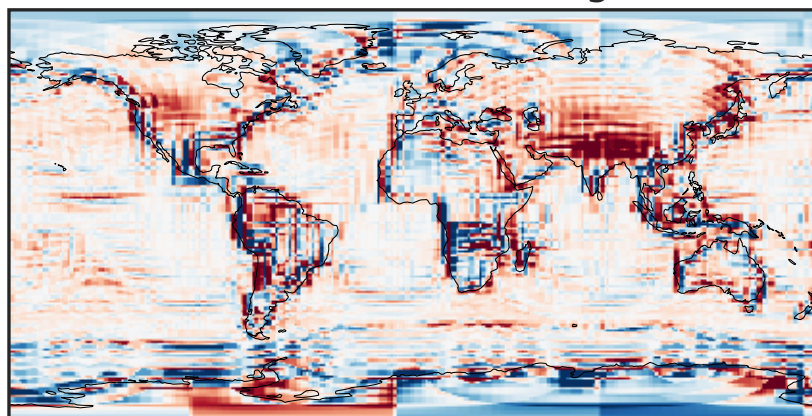
-0.004 0.000 0.004  
1

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



1e-01 1 10  
unitless

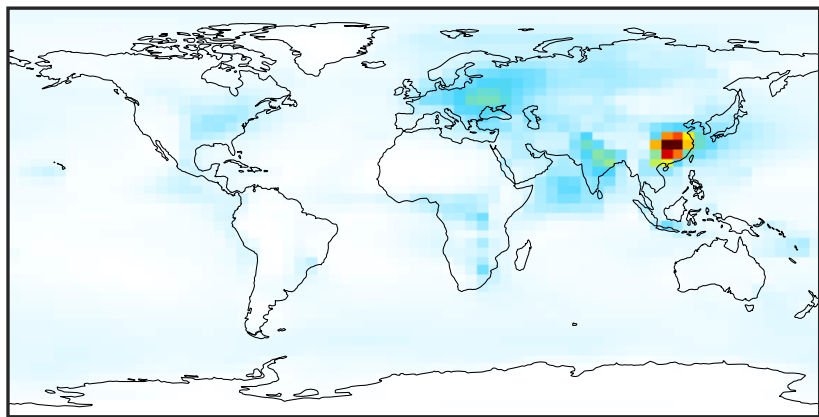
Ratio (1x1.25)  
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00  
unitless

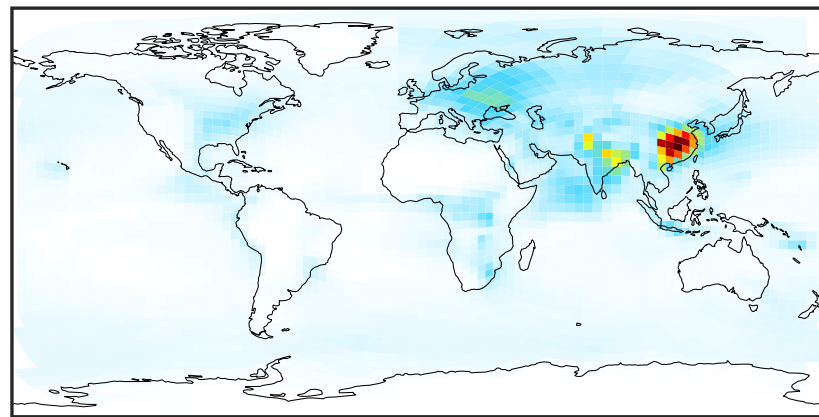
# Column\_AOD\_SO4 (Jan2019)

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



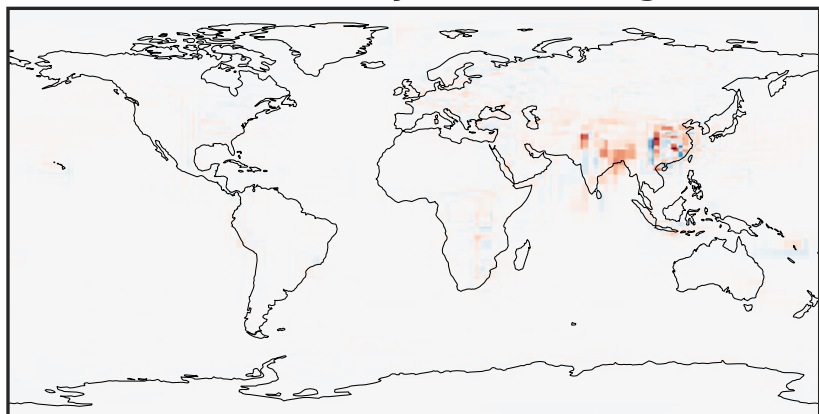
0.0038 0.1796 0.3593 0.5389 0.7223  
1

GCHP\_14.2.0 (Dev)  
c24



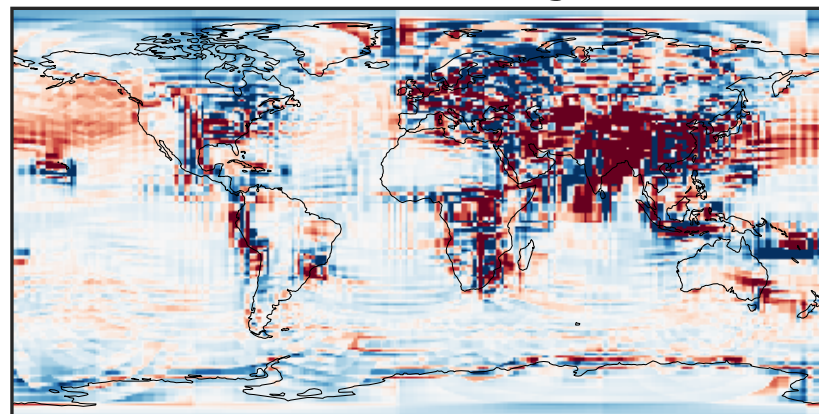
0.0038 0.1796 0.3593 0.5389 0.7223  
1

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



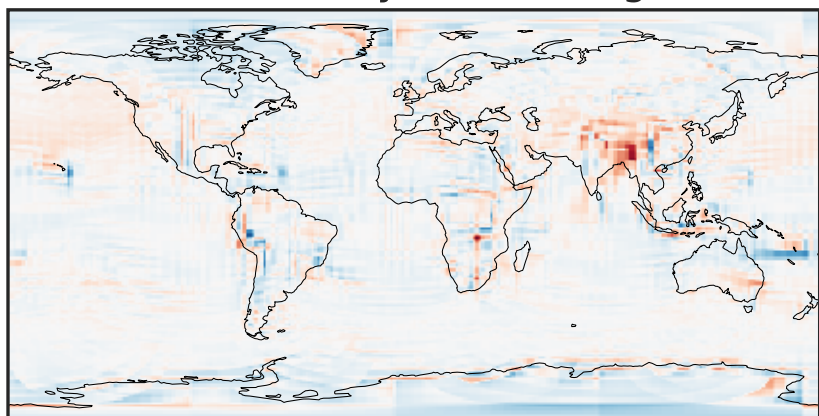
-0.3237 -0.1618 0.0000 0.1618 0.3237  
1

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



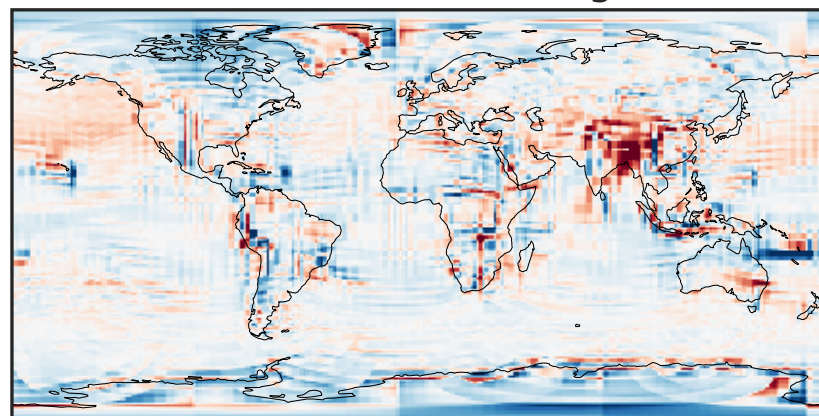
-0.005 0.000 0.005  
1

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



0.198 0.599 1.000 3.023 5.047  
unitless

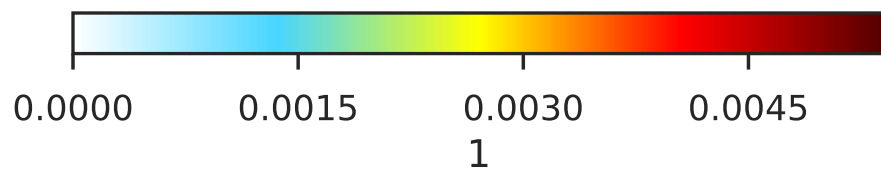
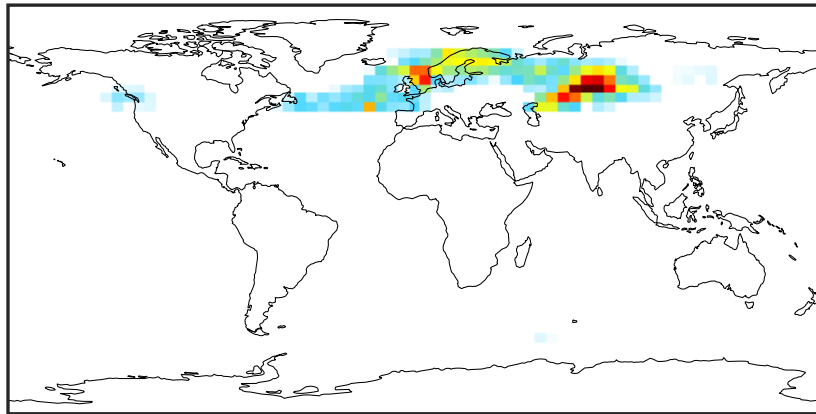
Ratio (1x1.25)  
Dev/Ref, Fixed Range



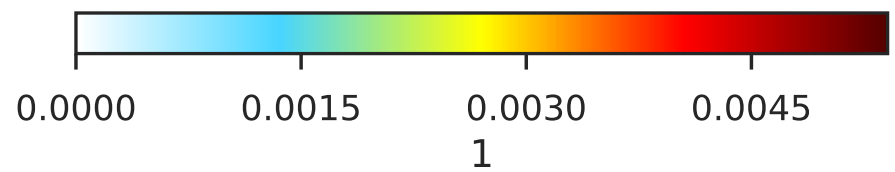
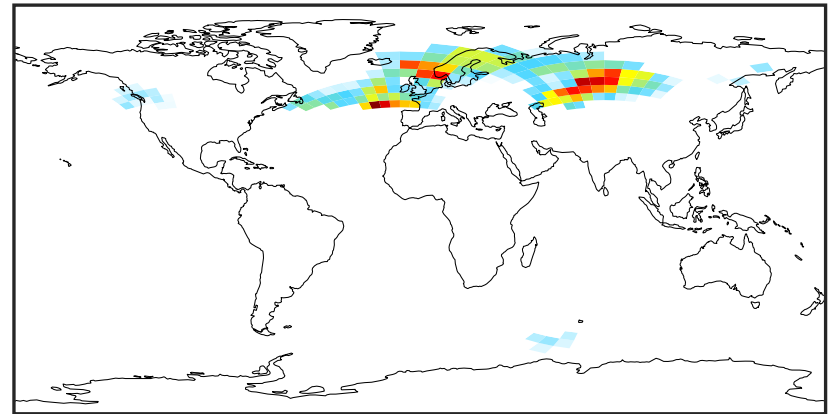
0.50 0.75 1.00 1.50 2.00  
unitless

# Column\_AOD\_Polar\_Strat\_Cloud (Jan2019)

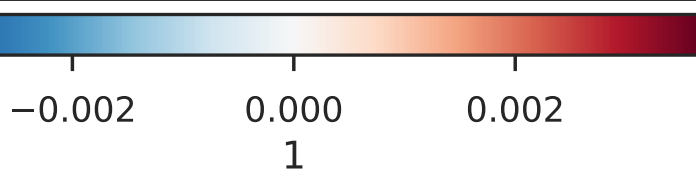
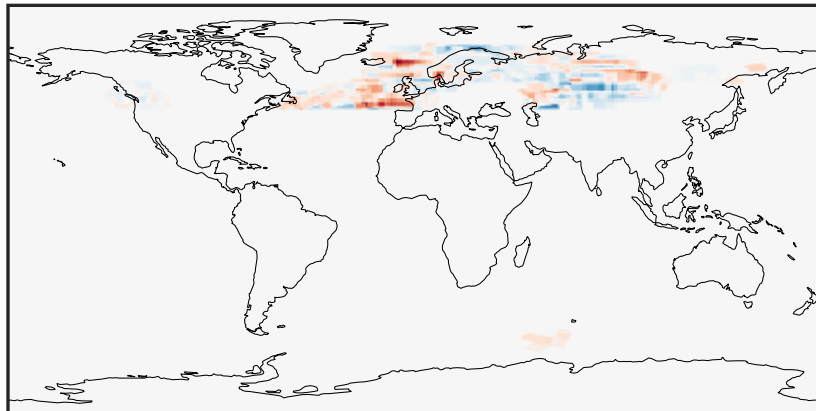
GCC\_14.2.0 (Ref)  
4.0x5.0



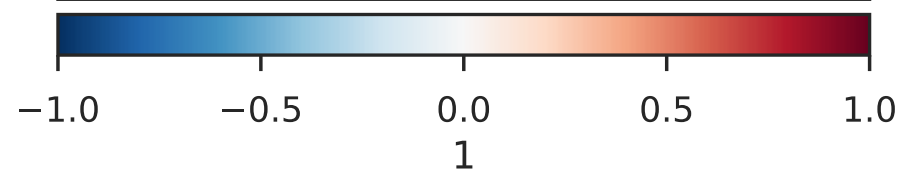
GCHP\_14.2.0 (Dev)  
c24



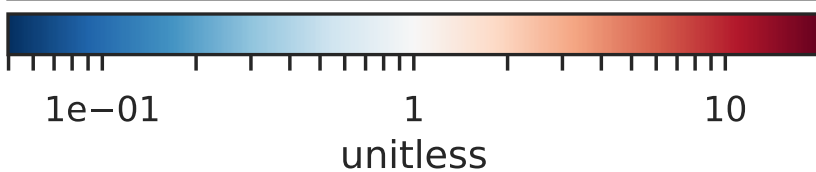
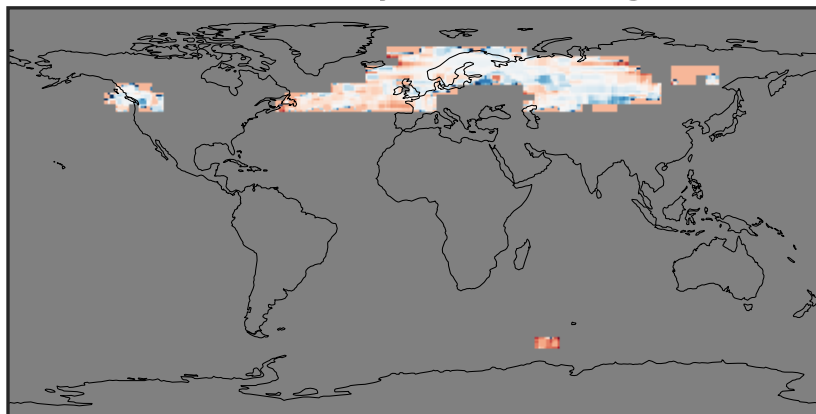
Difference (1x1.25)  
Dev - Ref, Dynamic Range



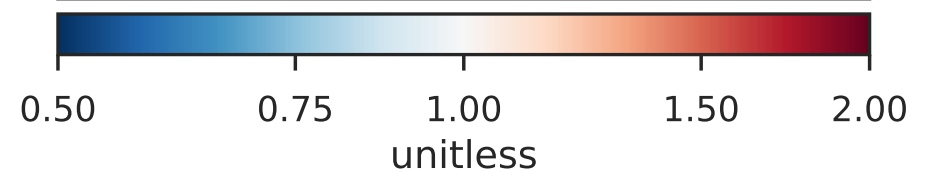
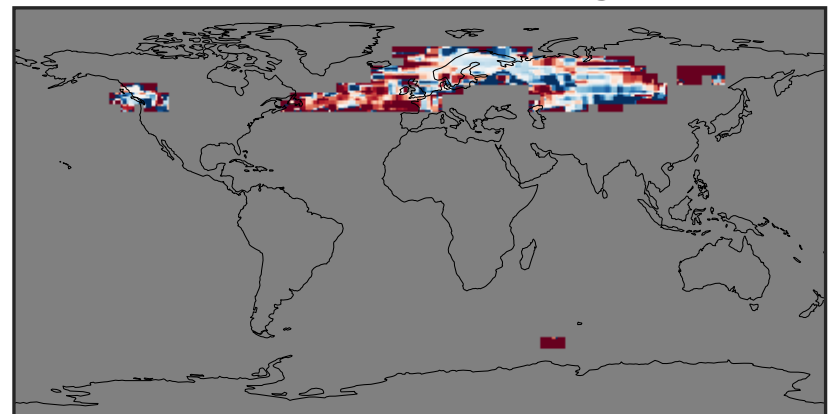
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

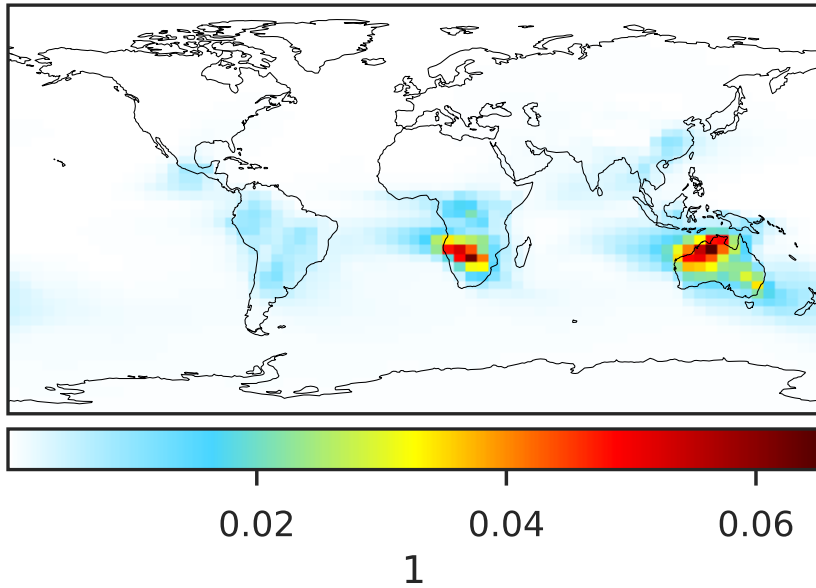


Ratio (1x1.25)  
Dev/Ref, Fixed Range

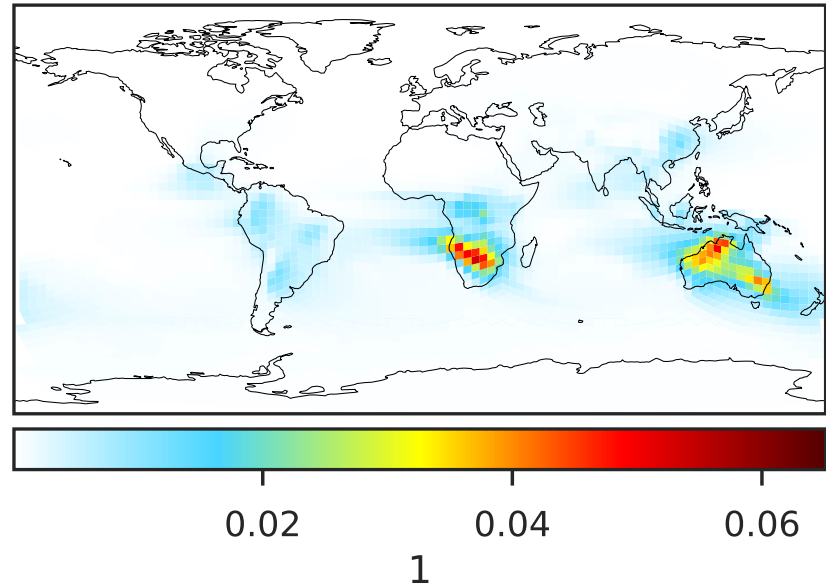


# Column\_AOD\_SOA\_from\_Aqueous\_ISOP (Jan2019)

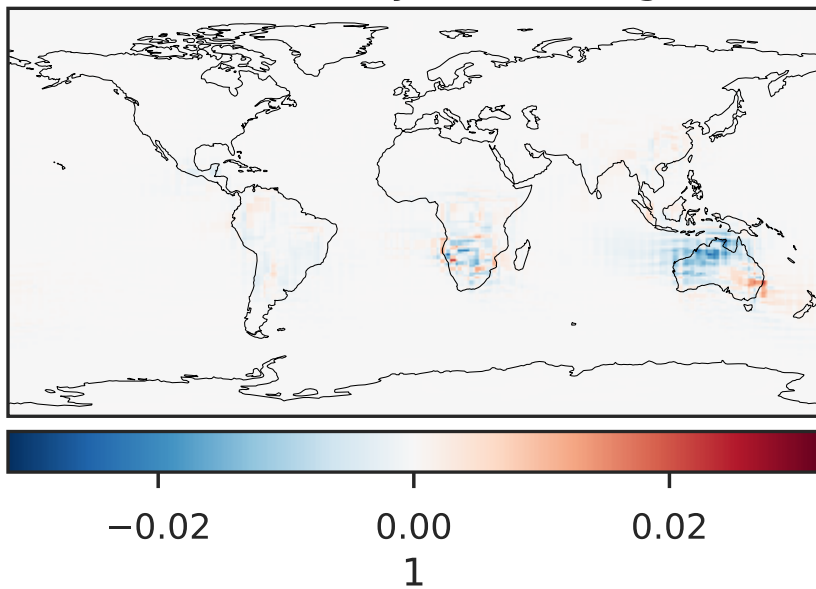
GCC\_14.2.0 (Ref)  
4.0x5.0



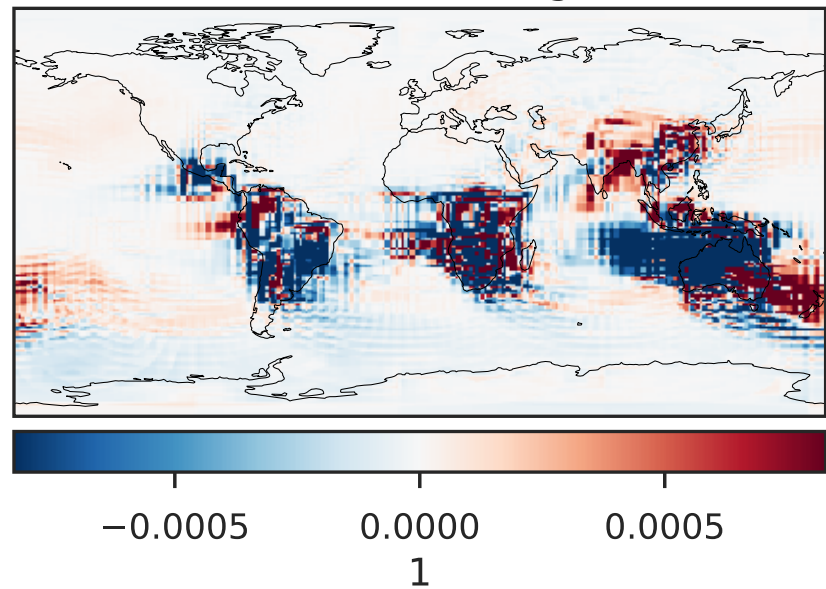
GCHP\_14.2.0 (Dev)  
c24



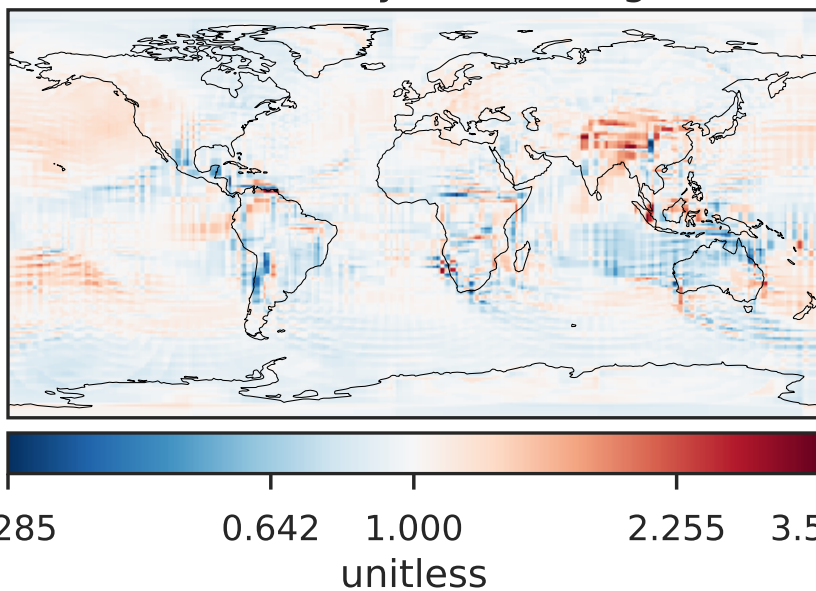
Difference (1x1.25)  
Dev - Ref, Dynamic Range



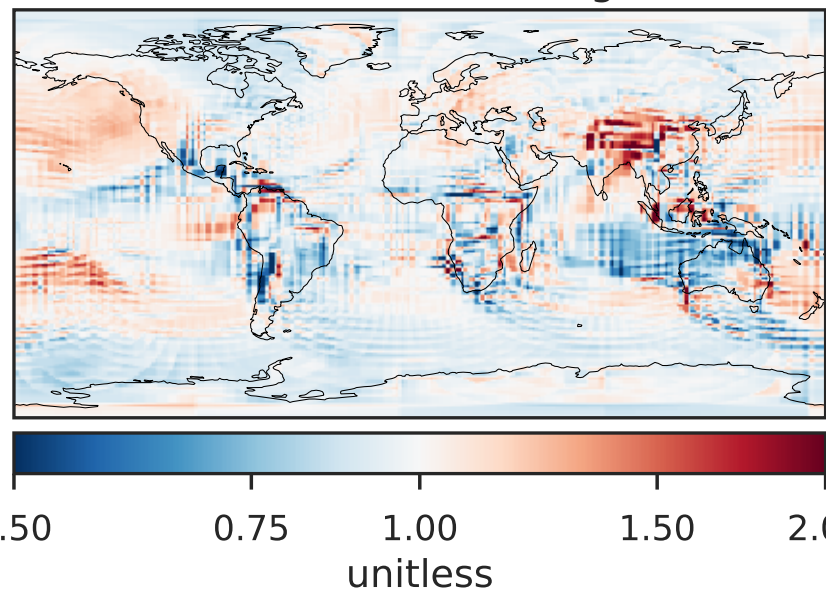
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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



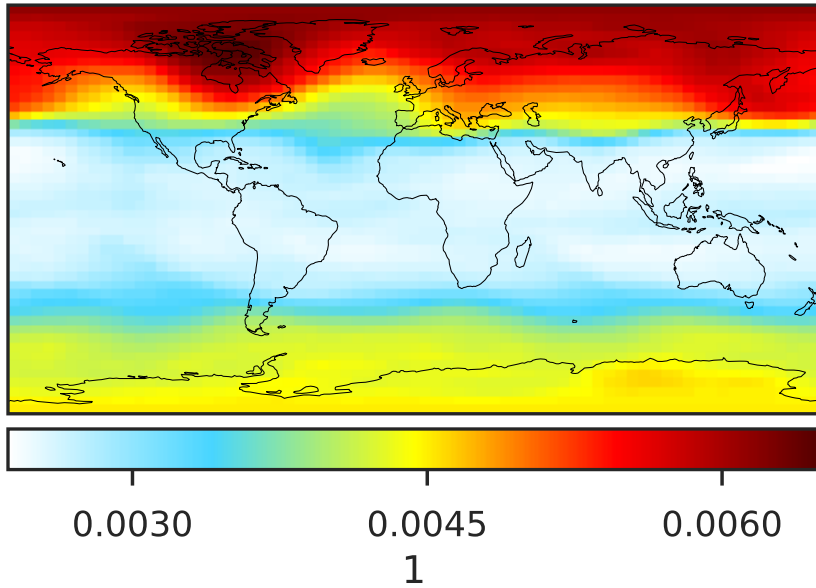
Ratio (1x1.25)  
Dev/Ref, Fixed Range



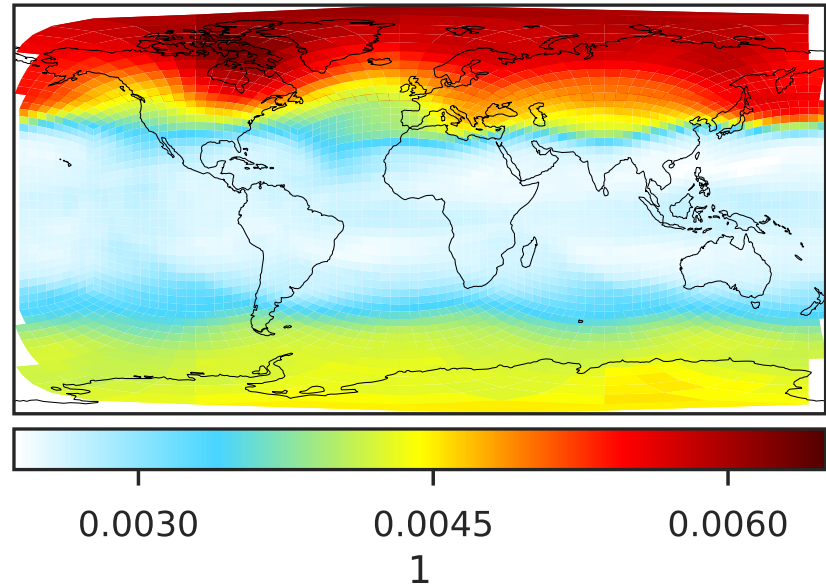


# Column\_AOD\_Strat\_Liquid\_Aerosol (Jan2019)

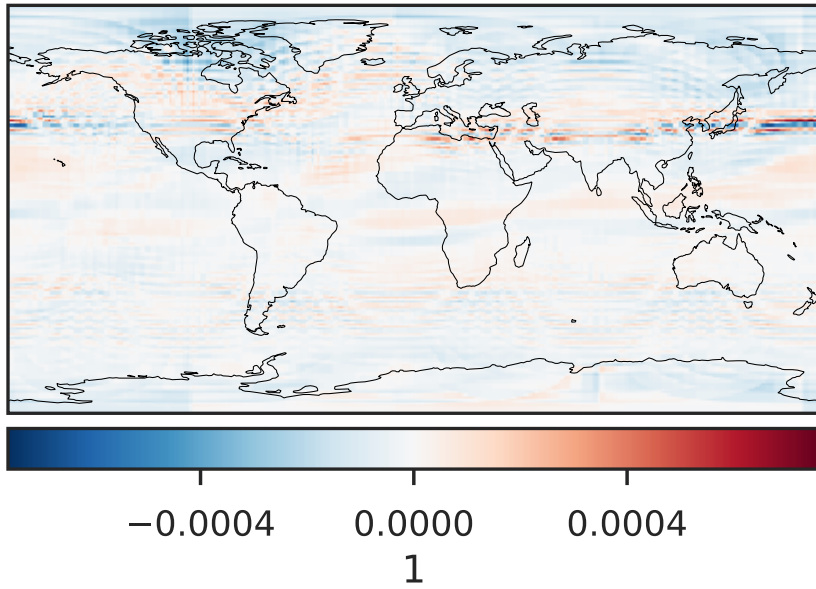
GCC\_14.2.0 (Ref)  
4.0x5.0



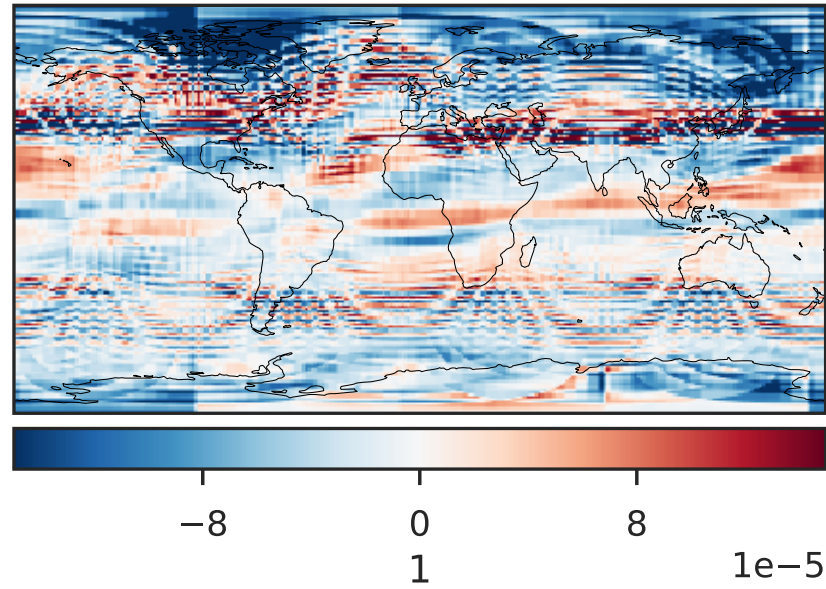
GCHP\_14.2.0 (Dev)  
c24



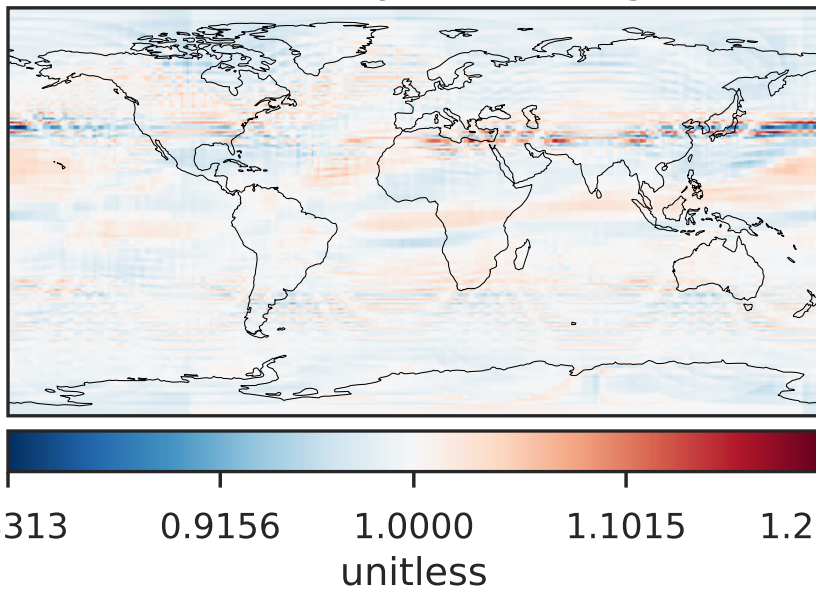
Difference (1x1.25)  
Dev - Ref, Dynamic Range



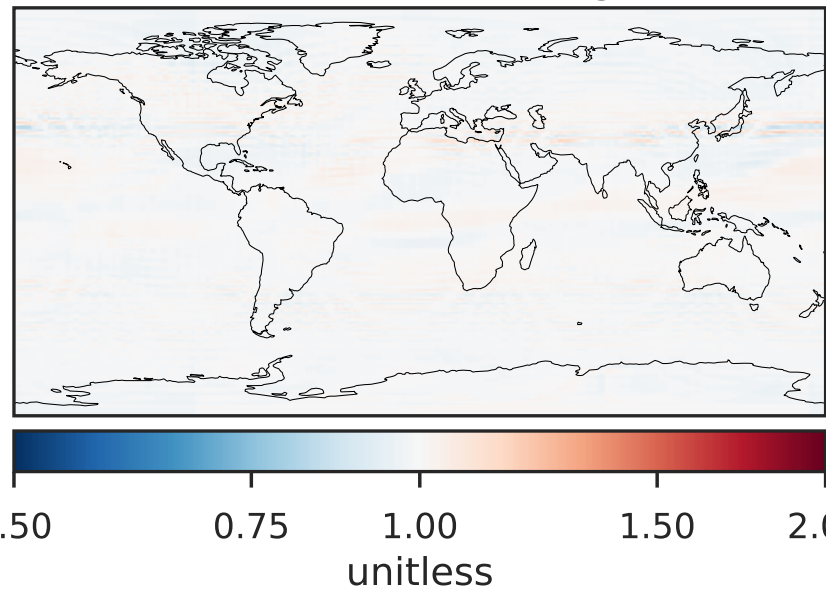
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

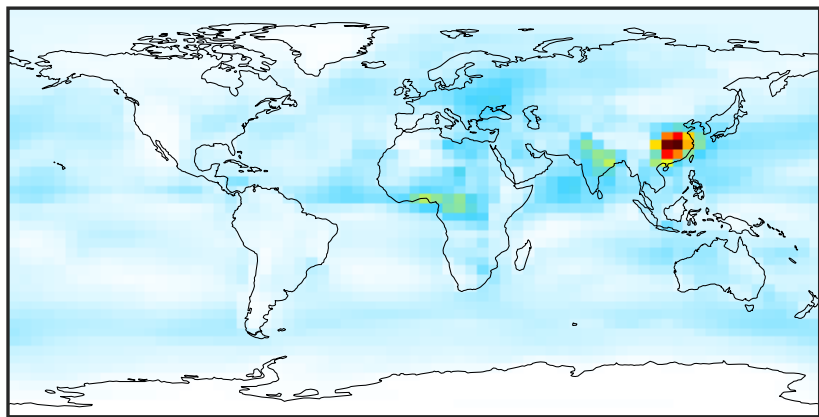


Ratio (1x1.25)  
Dev/Ref, Fixed Range



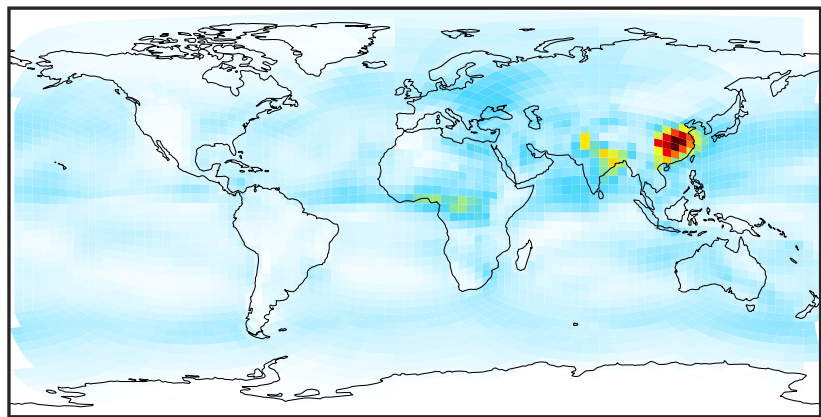
# Column\_AOD\_Total (Jan2019)

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



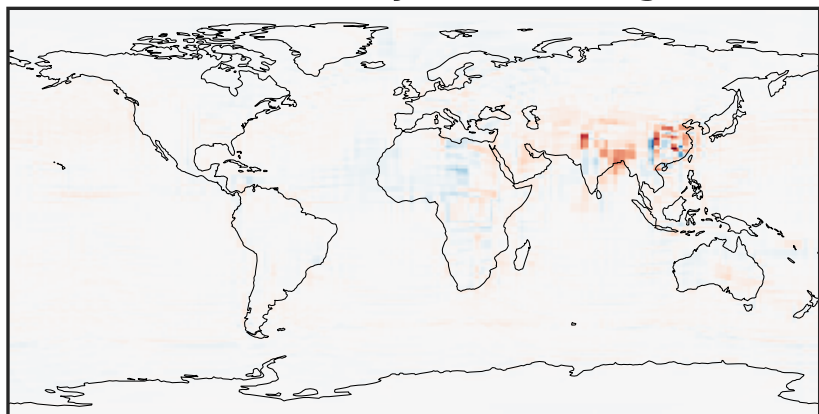
0.012 0.283 0.566 0.850 1.145  
1

GCHP\_14.2.0 (Dev)  
c24



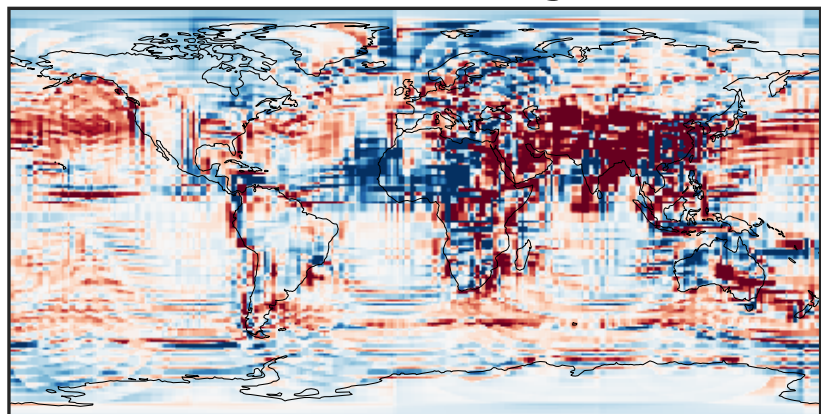
0.012 0.283 0.566 0.850 1.145  
1

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



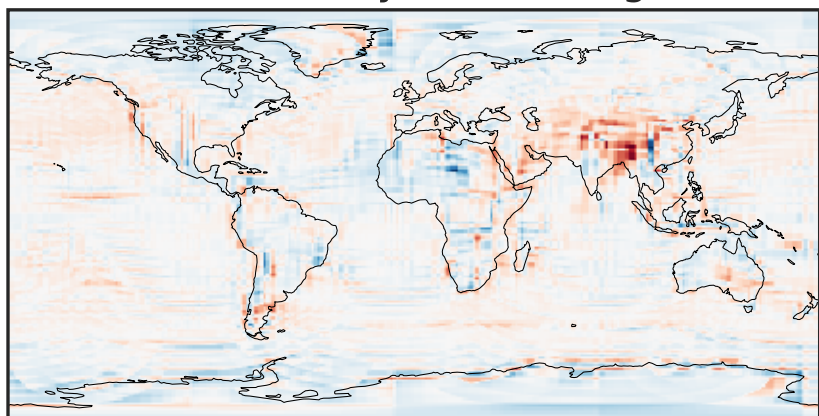
-0.4855 -0.2427 0.0000 0.2427 0.4855  
1

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



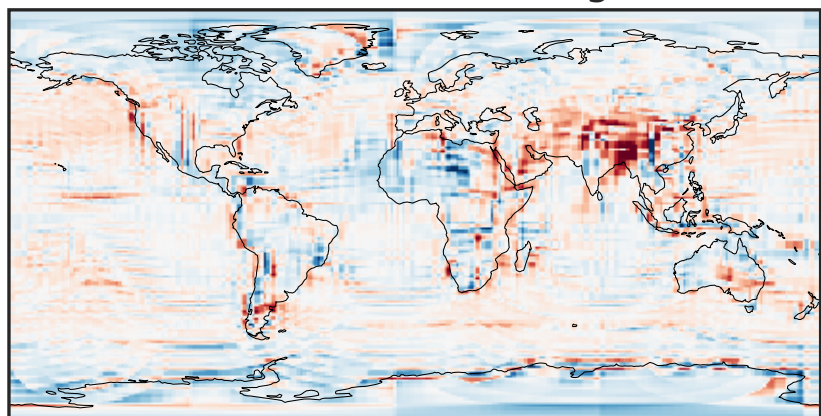
-0.015 0.000 0.015  
1

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



0.314 0.657 1.000 2.094 3.187  
unitless

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



0.50 0.75 1.00 1.50 2.00  
unitless