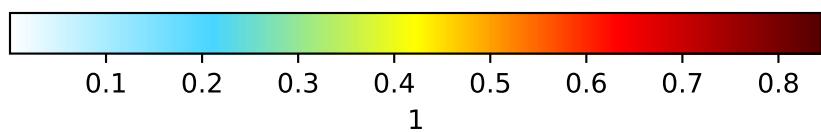
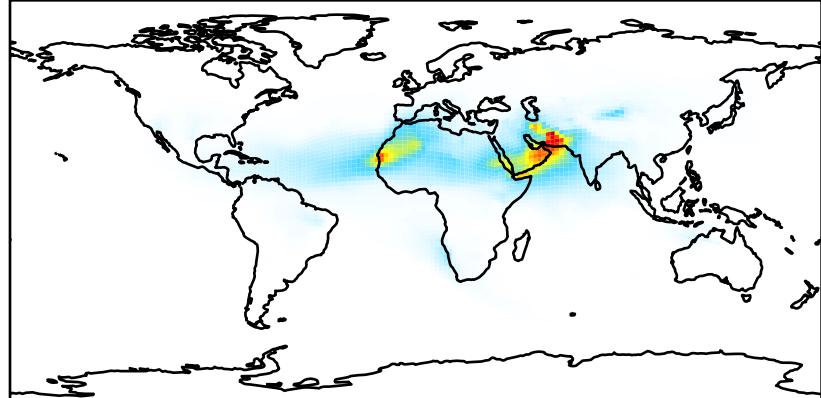
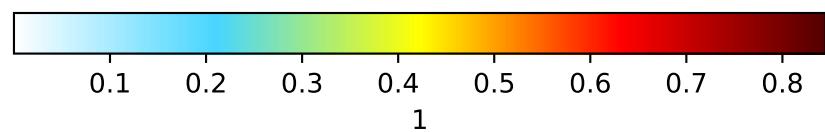
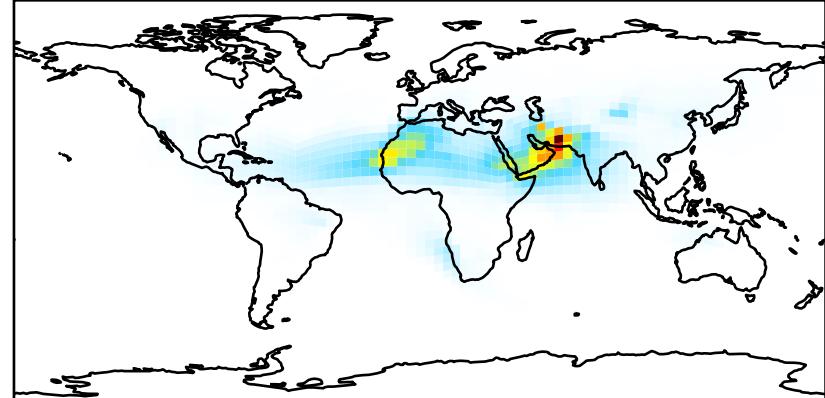


# Column\_AOD\_Dust

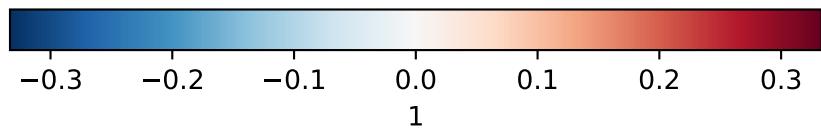
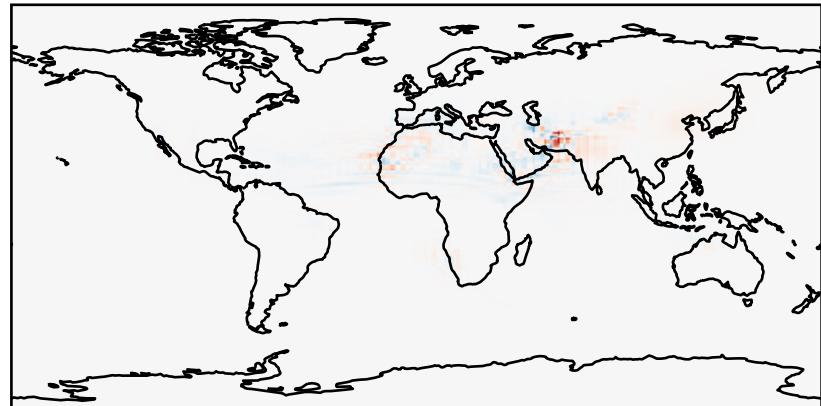
GCHP\_12.4.0 (Ref)  
c48



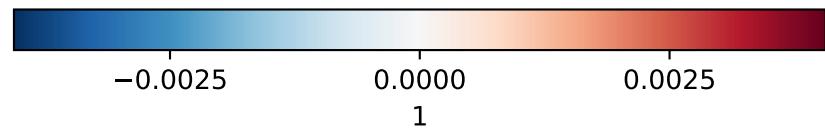
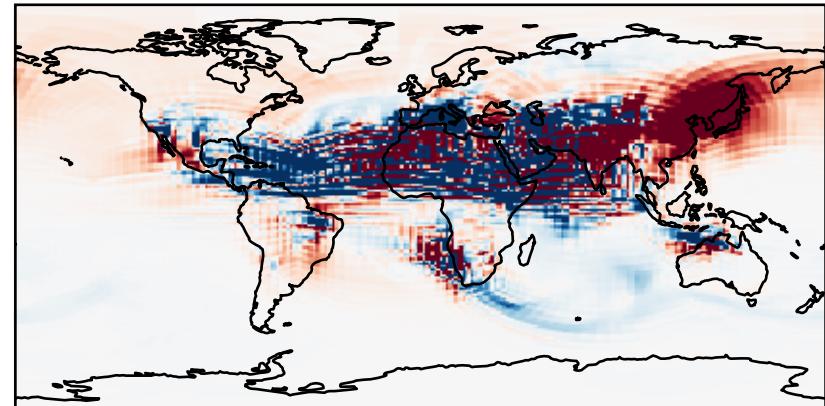
GCHP\_12.5.0\_c24 (Dev)  
c24



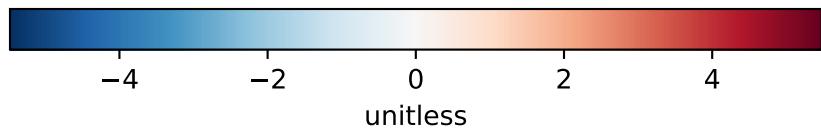
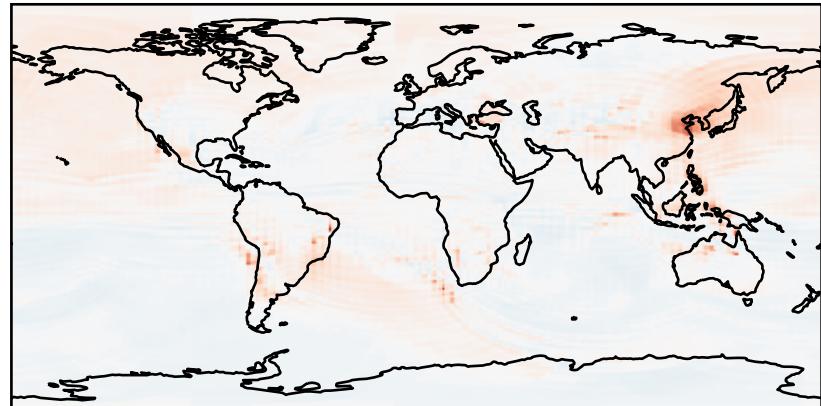
Difference (1x1.25)  
Dev - Ref, Dynamic Range



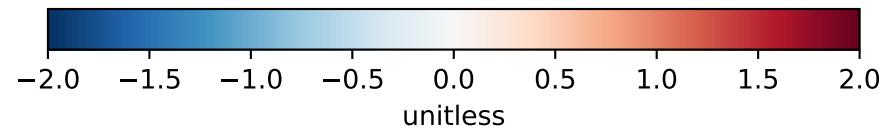
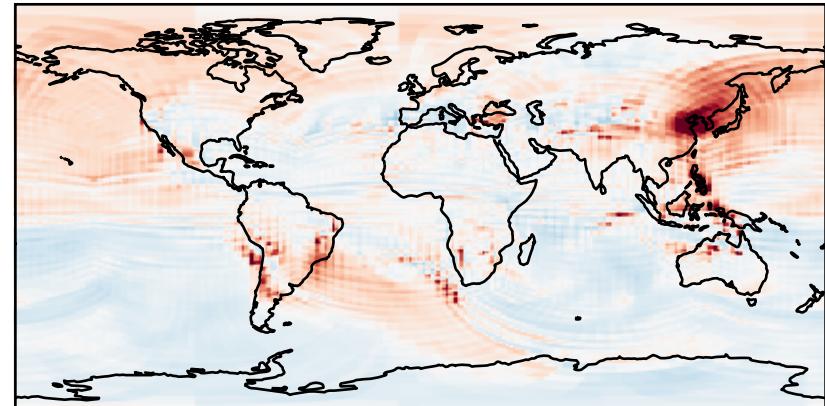
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

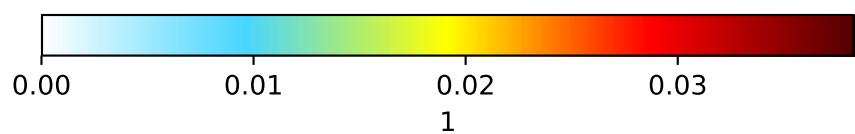
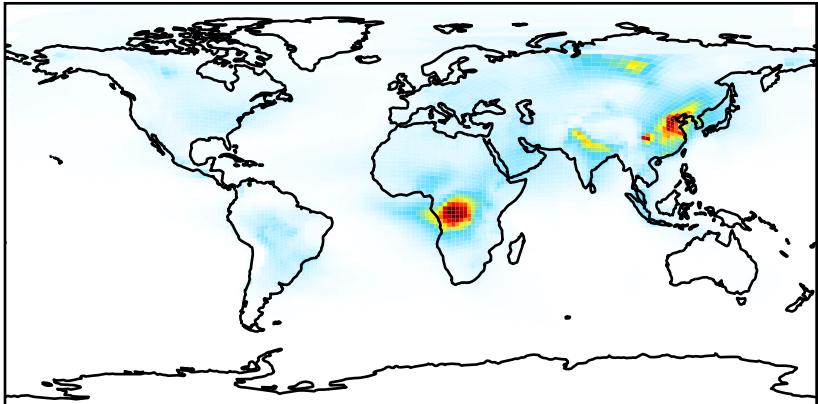


Fractional Difference (1x1.25)  
(Dev-Ref)/Ref, Fixed Range

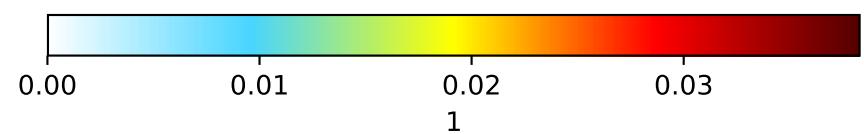
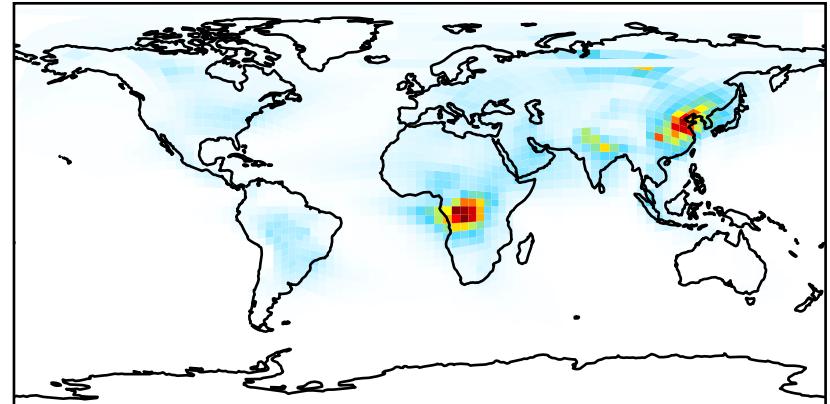


# Column\_AOD\_BCPI

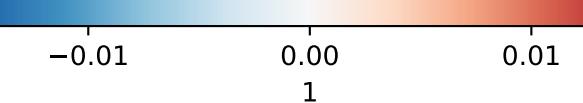
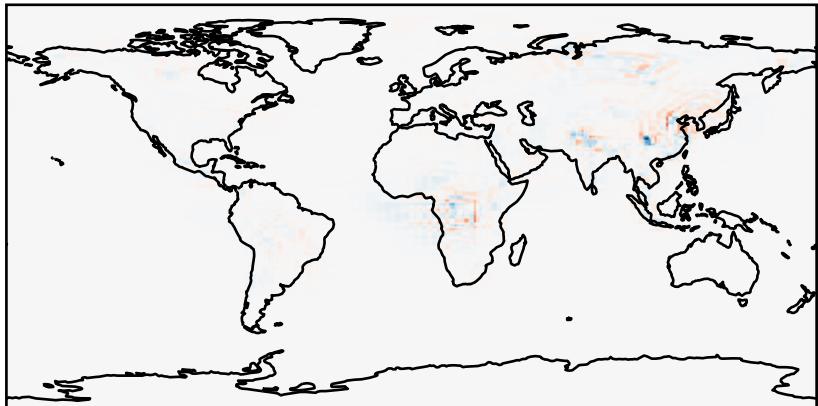
GCHP\_12.4.0 (Ref)  
c48



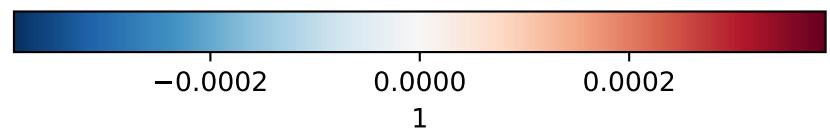
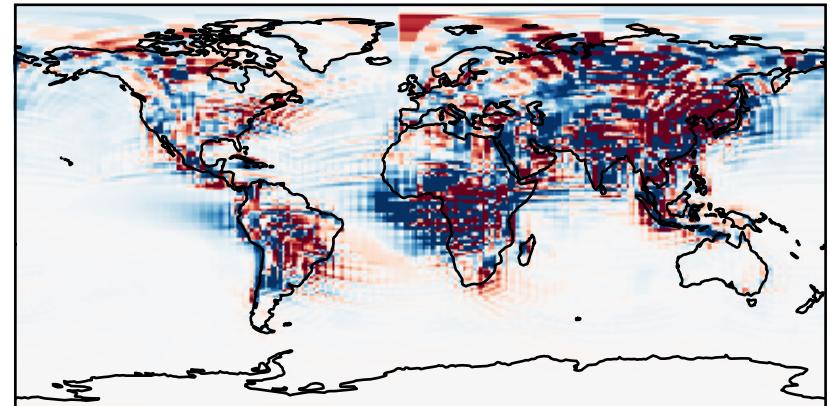
GCHP\_12.5.0\_c24 (Dev)  
c24



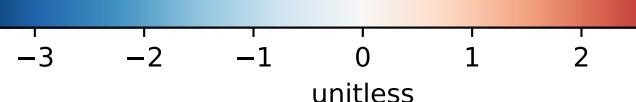
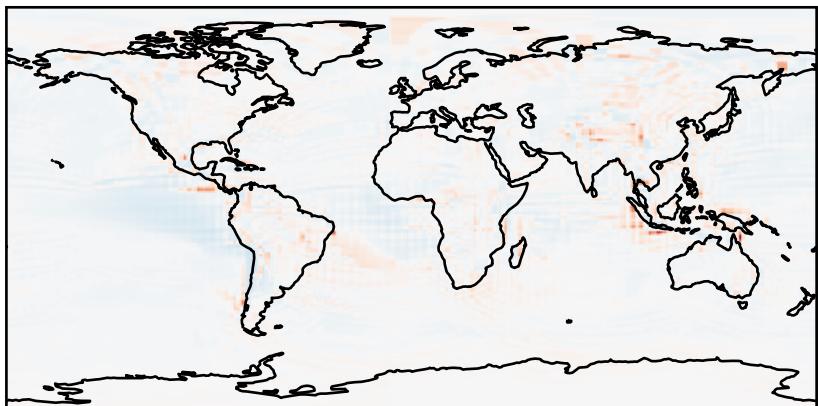
Difference (1x1.25)  
Dev - Ref, Dynamic Range



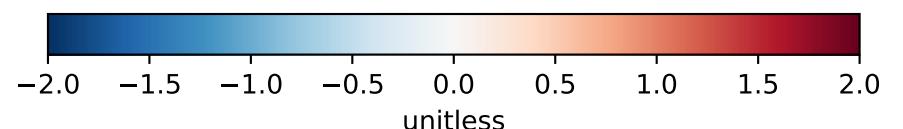
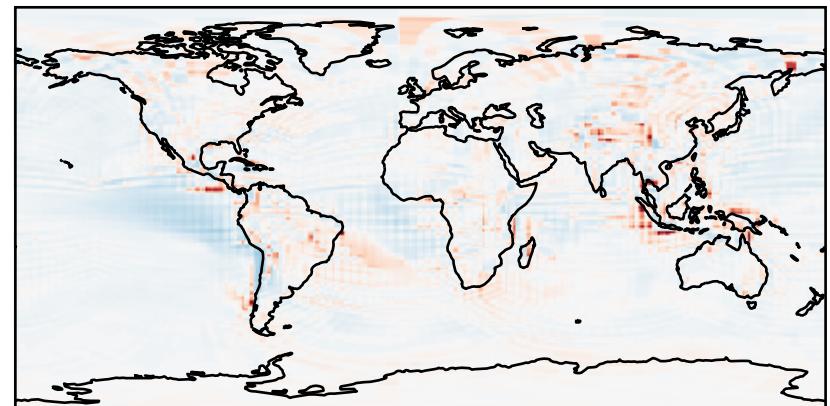
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

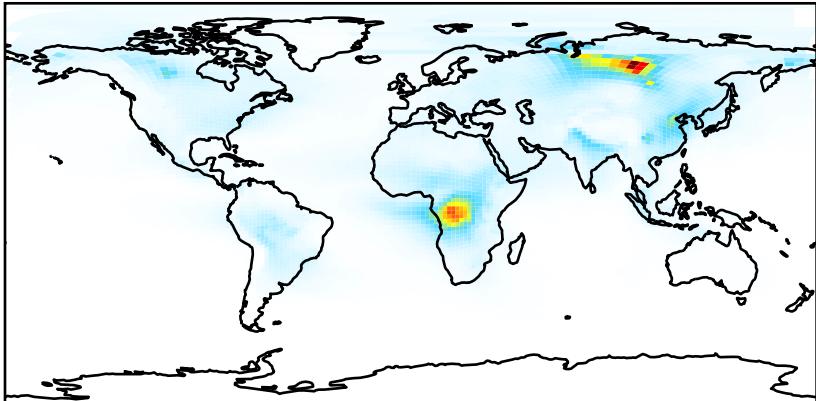


Fractional Difference (1x1.25)  
(Dev-Ref)/Ref, Fixed Range

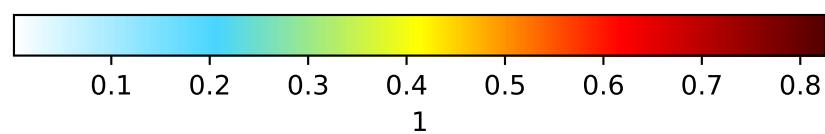
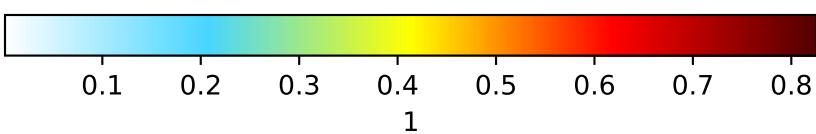
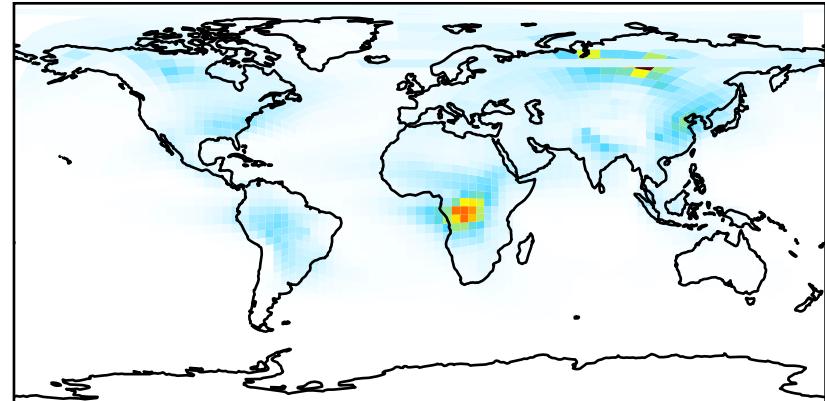


# Column\_AOD\_OCPI

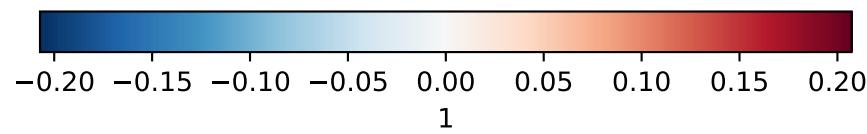
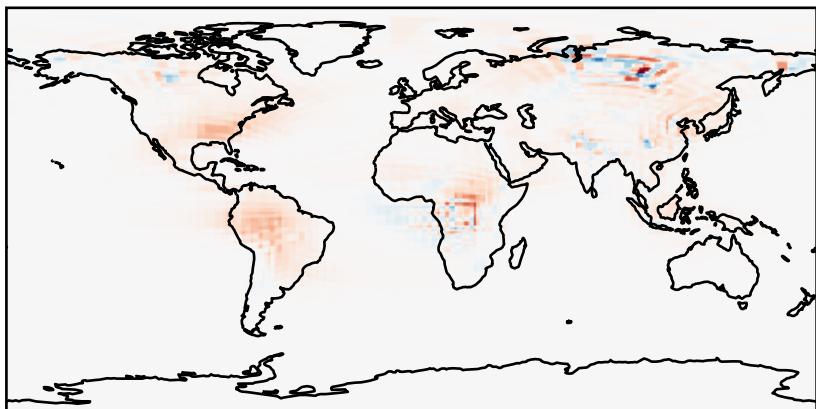
GCHP\_12.4.0 (Ref)  
c48



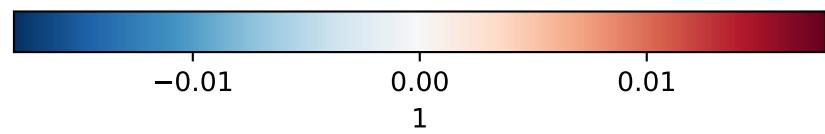
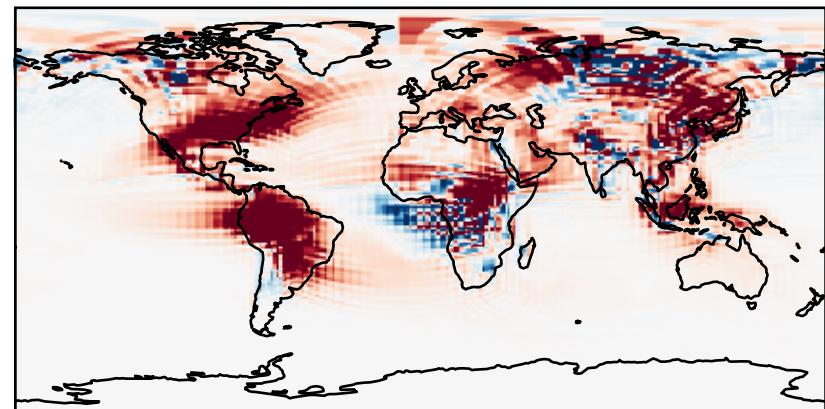
GCHP\_12.5.0\_c24 (Dev)  
c24



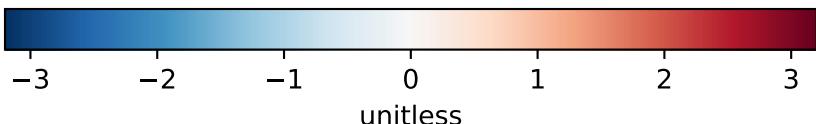
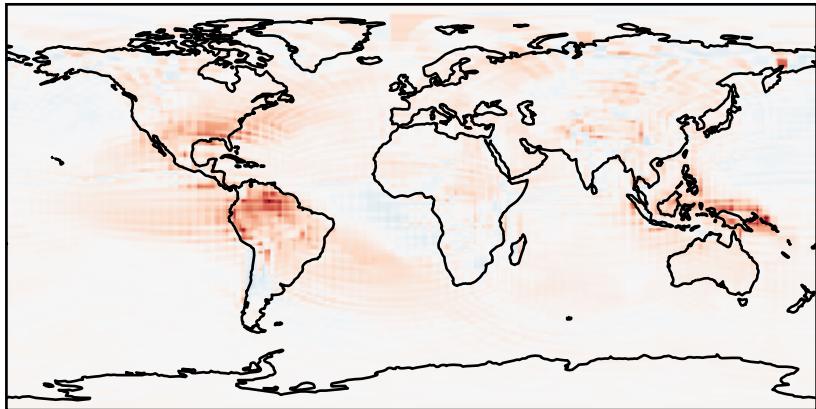
Difference (1x1.25)  
Dev - Ref, Dynamic Range



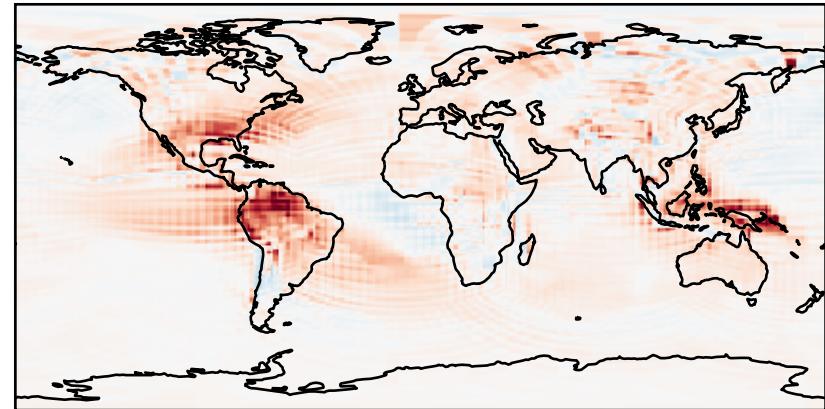
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

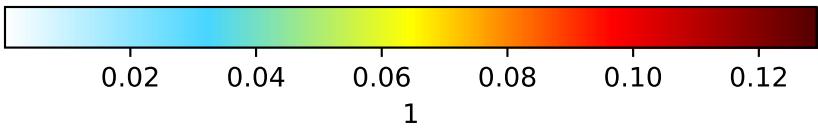
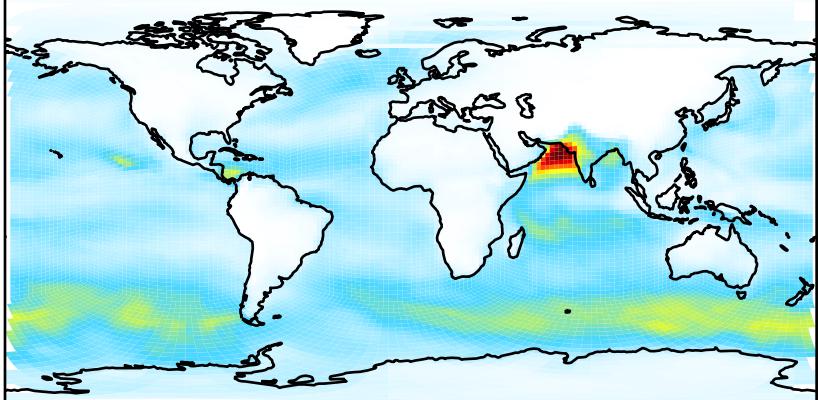


Fractional Difference (1x1.25)  
(Dev-Ref)/Ref, Fixed Range

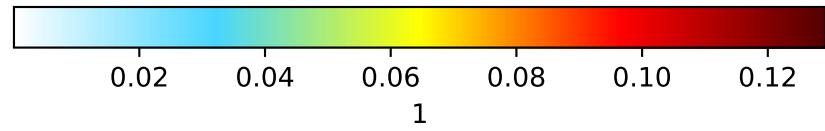
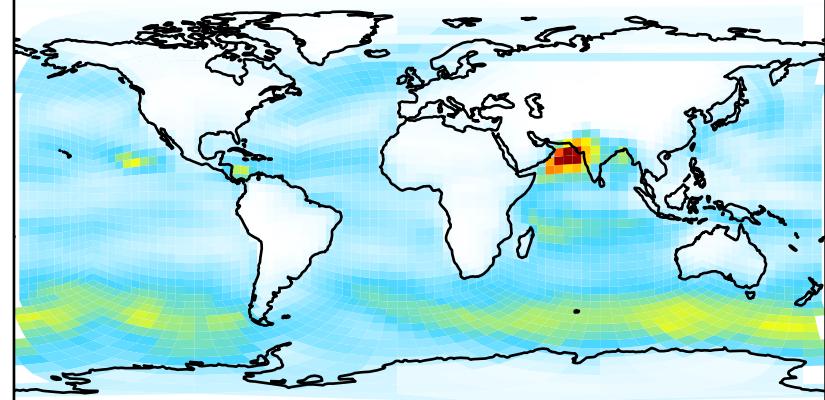


# Column\_AOD\_SALA

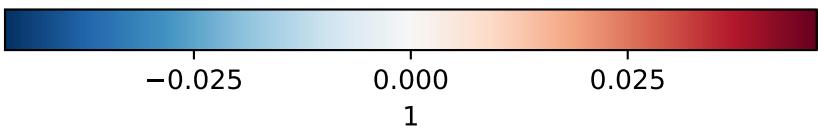
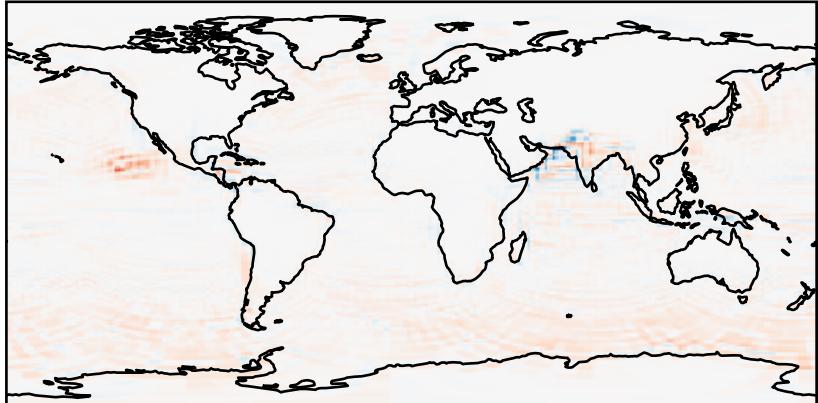
GCHP\_12.4.0 (Ref)  
c48



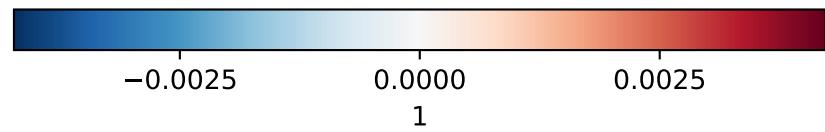
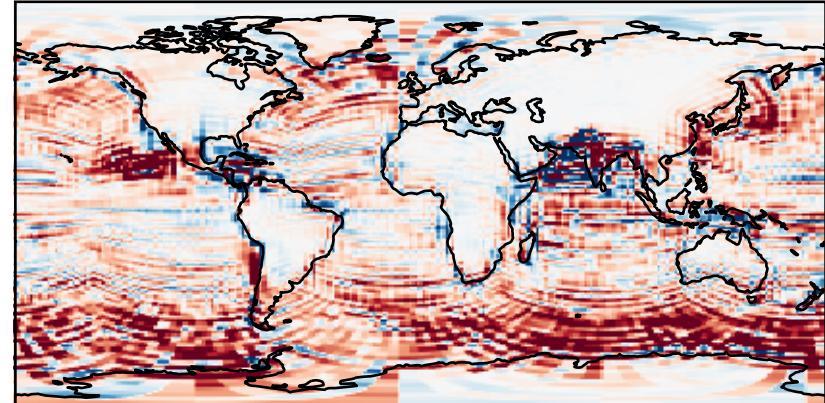
GCHP\_12.5.0\_c24 (Dev)  
c24



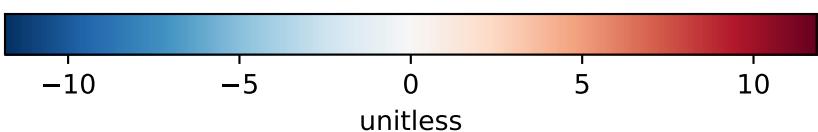
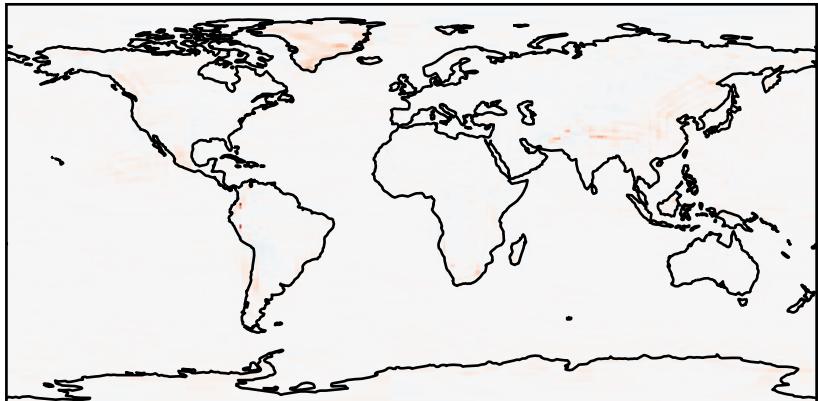
Difference (1x1.25)  
Dev - Ref, Dynamic Range



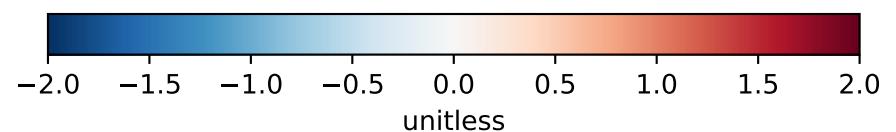
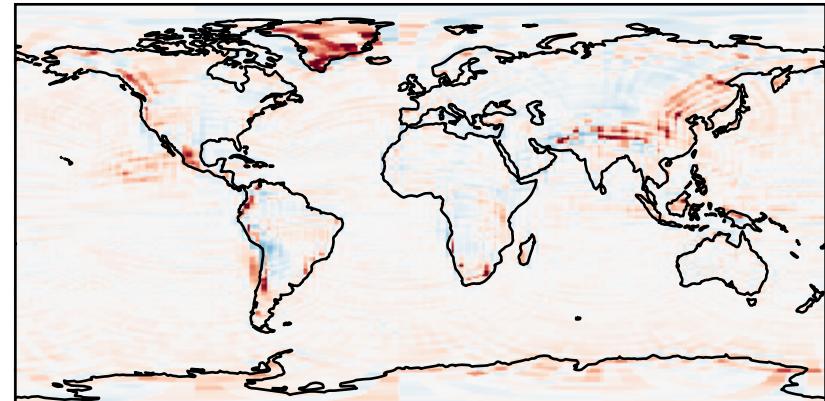
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

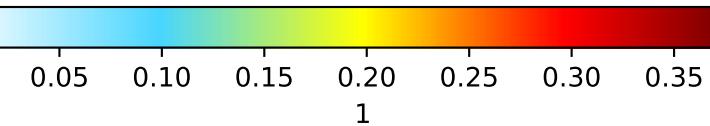
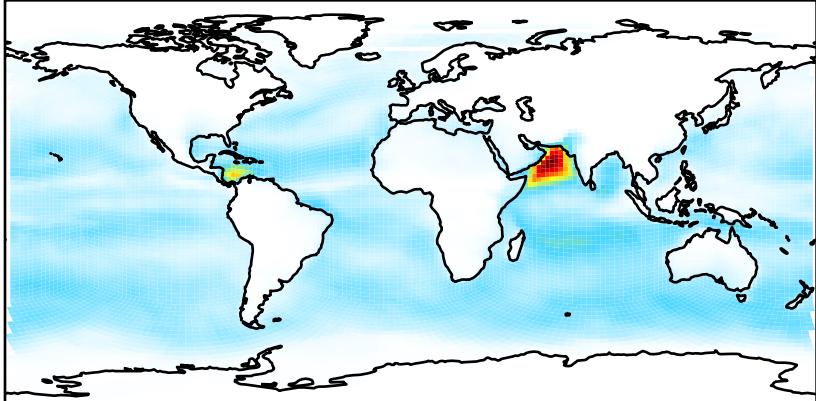


Fractional Difference (1x1.25)  
(Dev-Ref)/Ref, Fixed Range

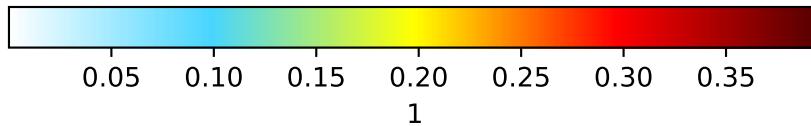
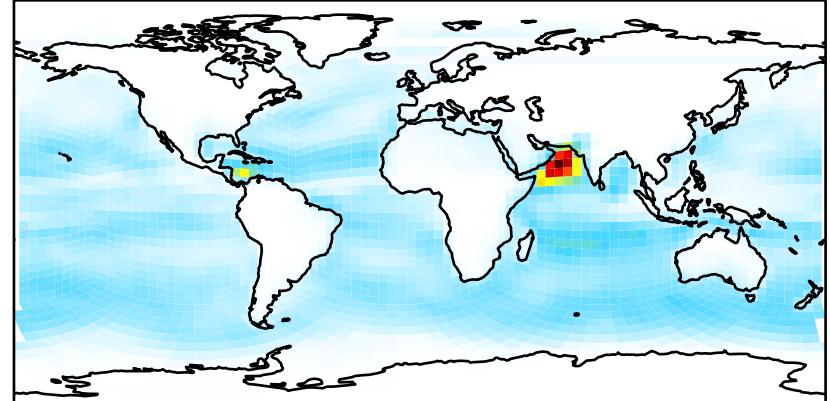


# Column\_AOD\_SALC

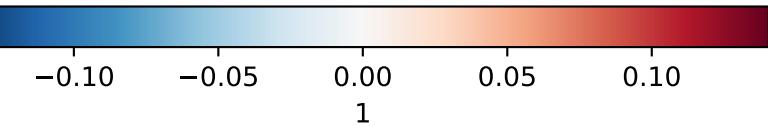
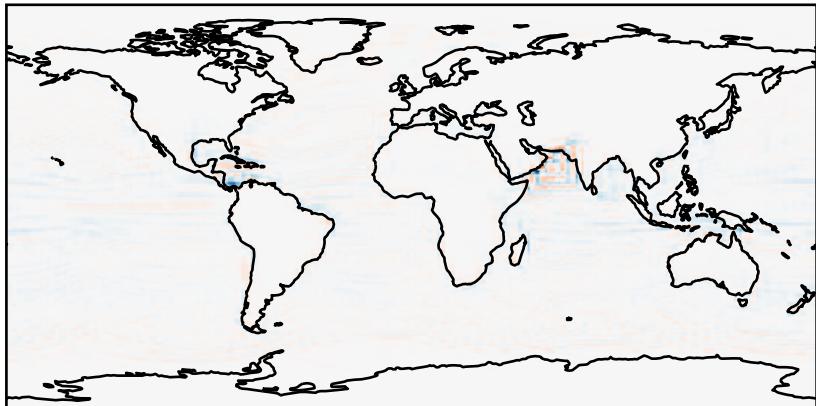
GCHP\_12.4.0 (Ref)  
c48



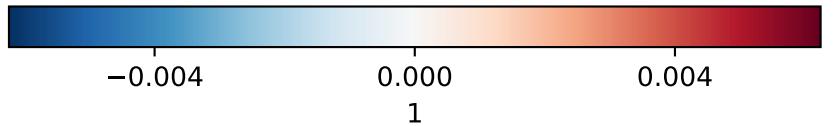
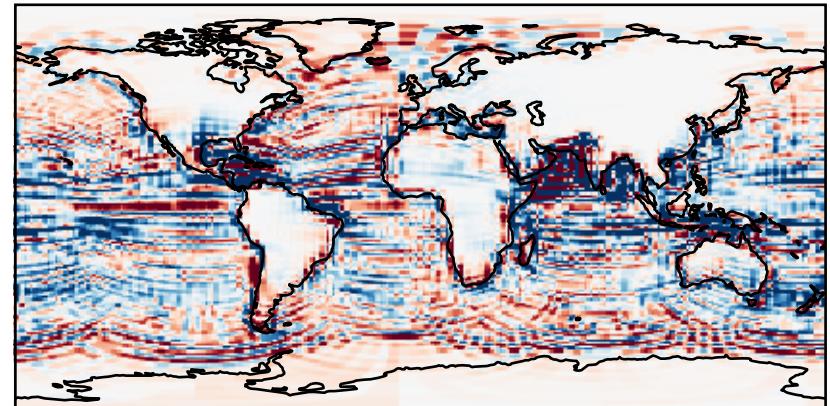
GCHP\_12.5.0\_c24 (Dev)  
c24



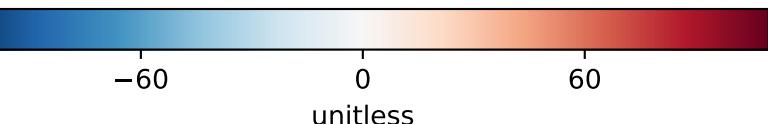
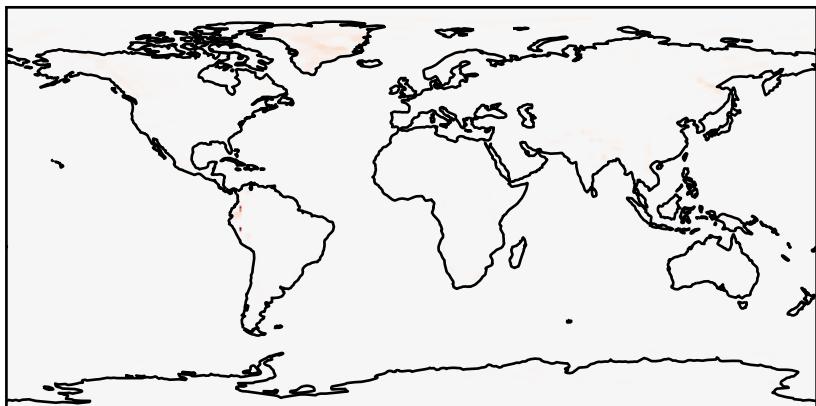
Difference (1x1.25)  
Dev - Ref, Dynamic Range



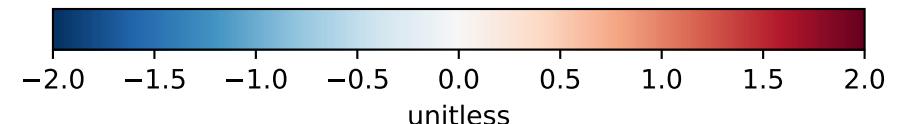
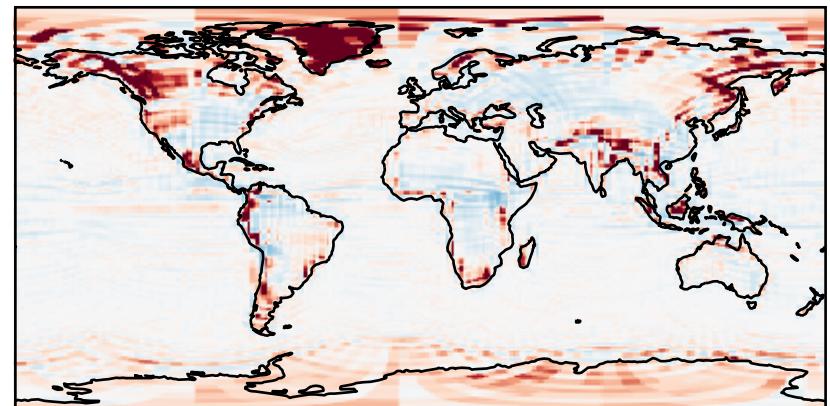
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

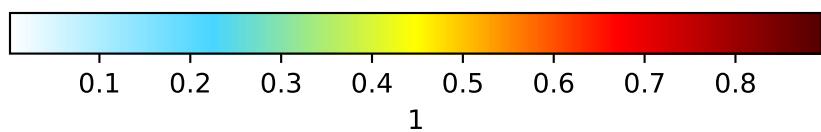
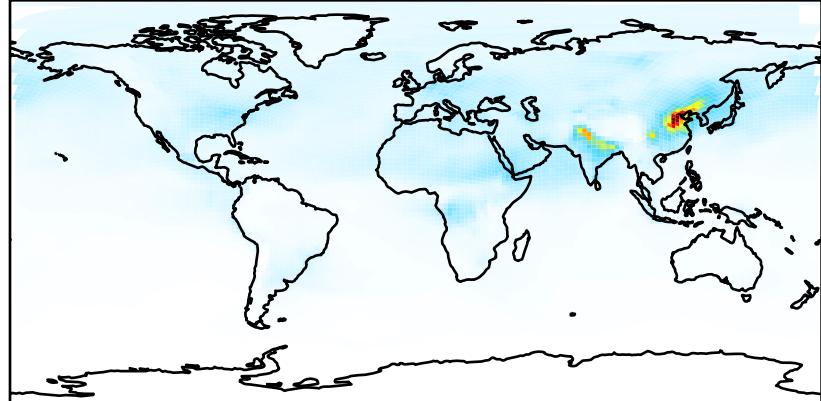


Fractional Difference (1x1.25)  
(Dev-Ref)/Ref, Fixed Range

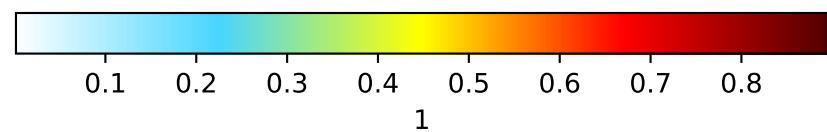
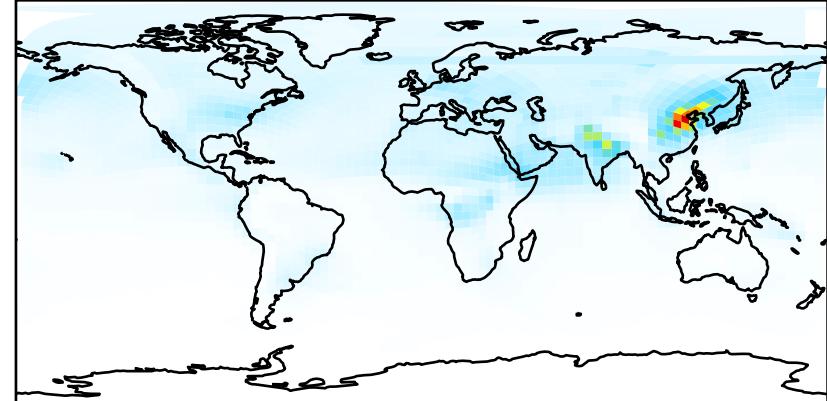


# Column\_AOD\_SO4

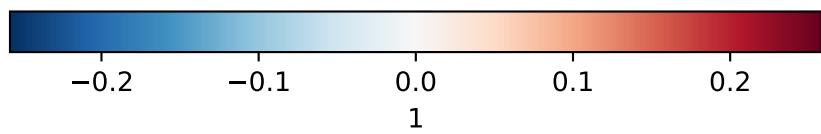
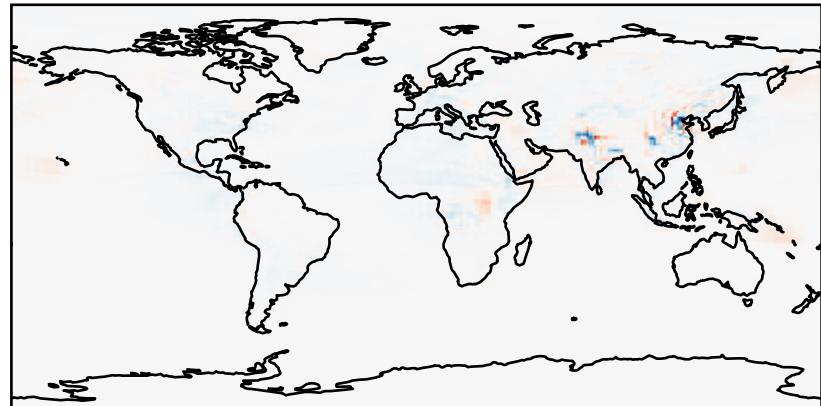
GCHP\_12.4.0 (Ref)  
c48



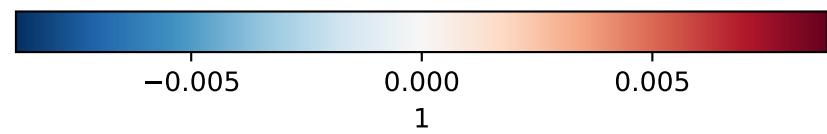
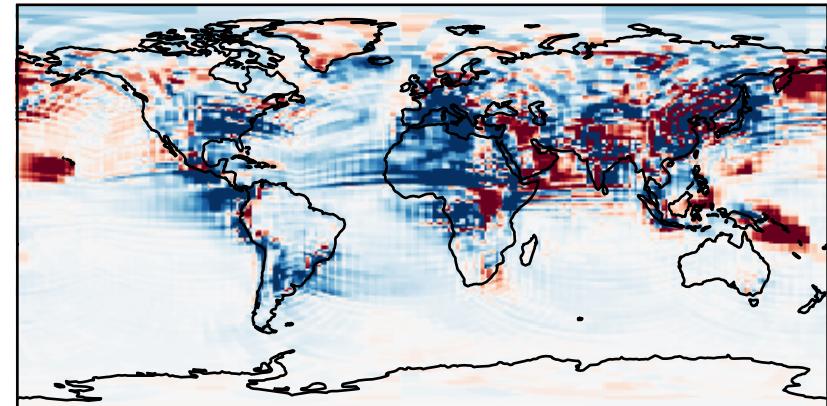
GCHP\_12.5.0\_c24 (Dev)  
c24



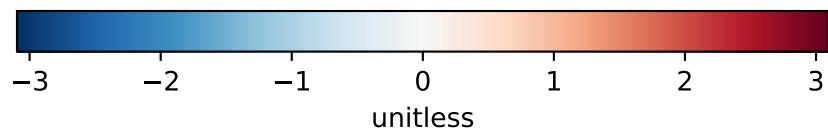
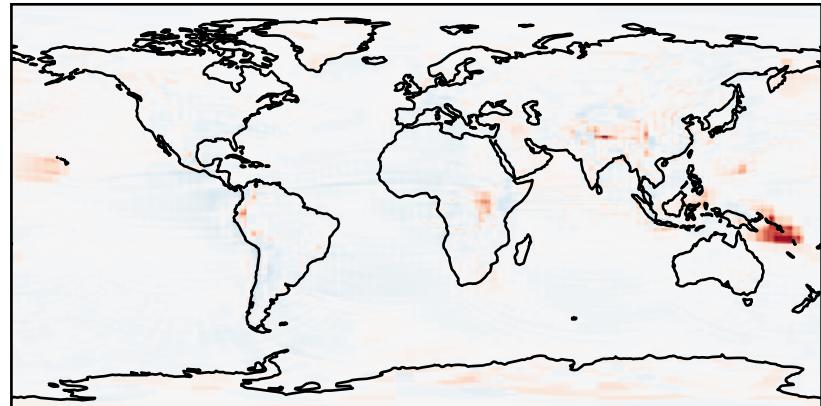
Difference (1x1.25)  
Dev - Ref, Dynamic Range



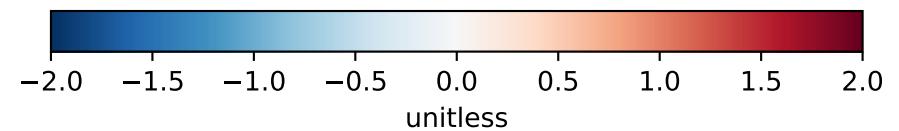
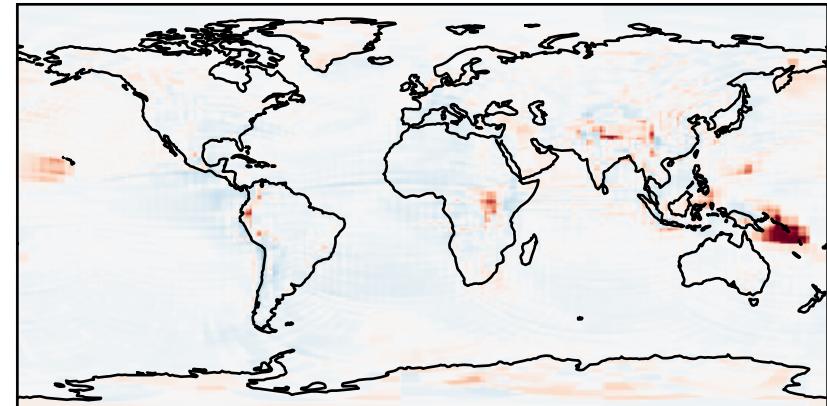
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



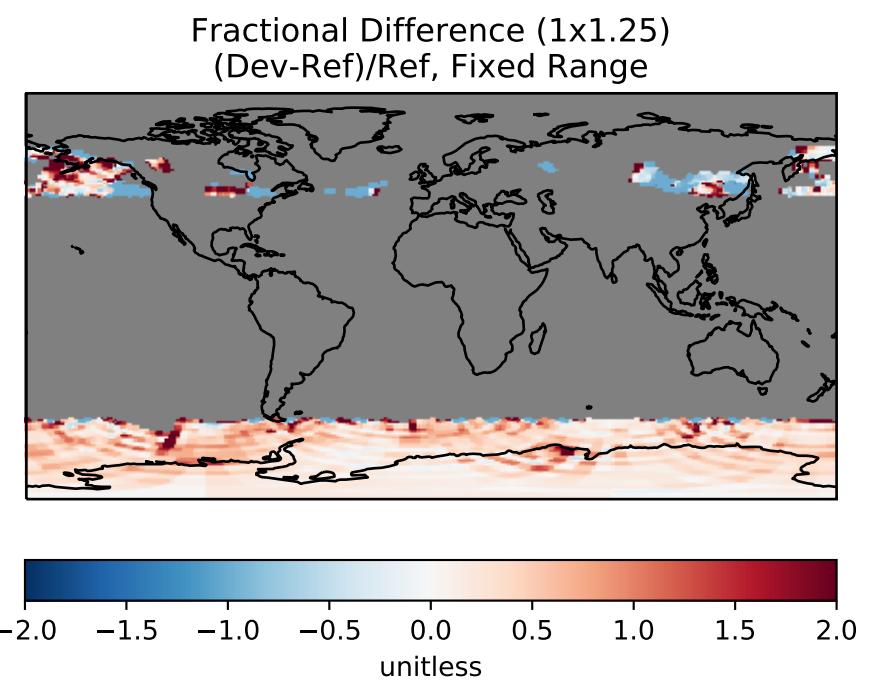
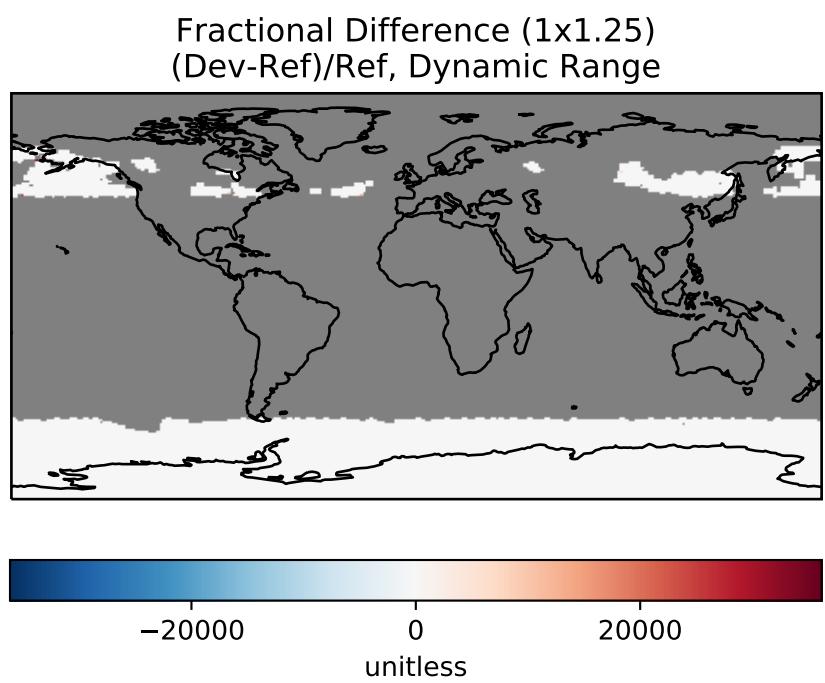
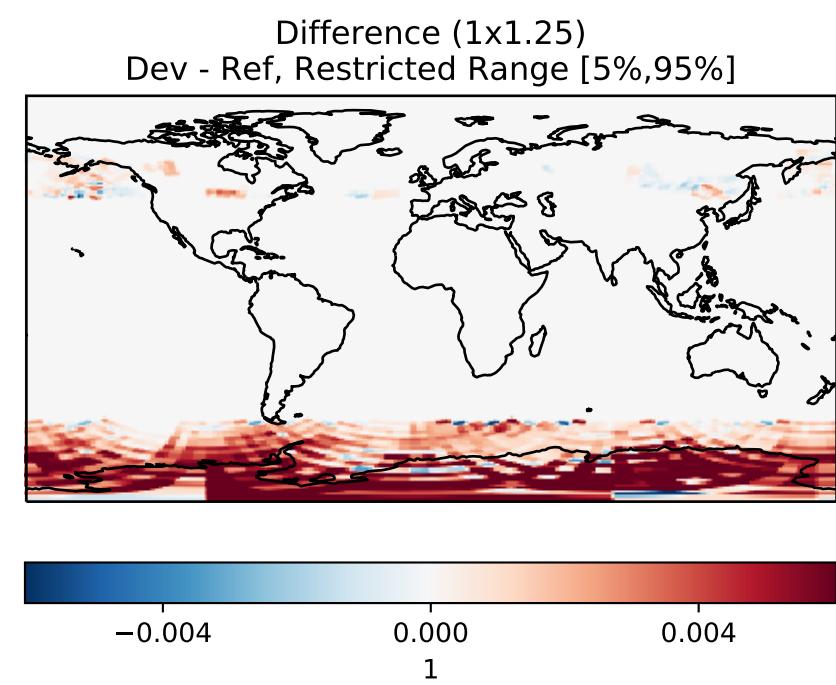
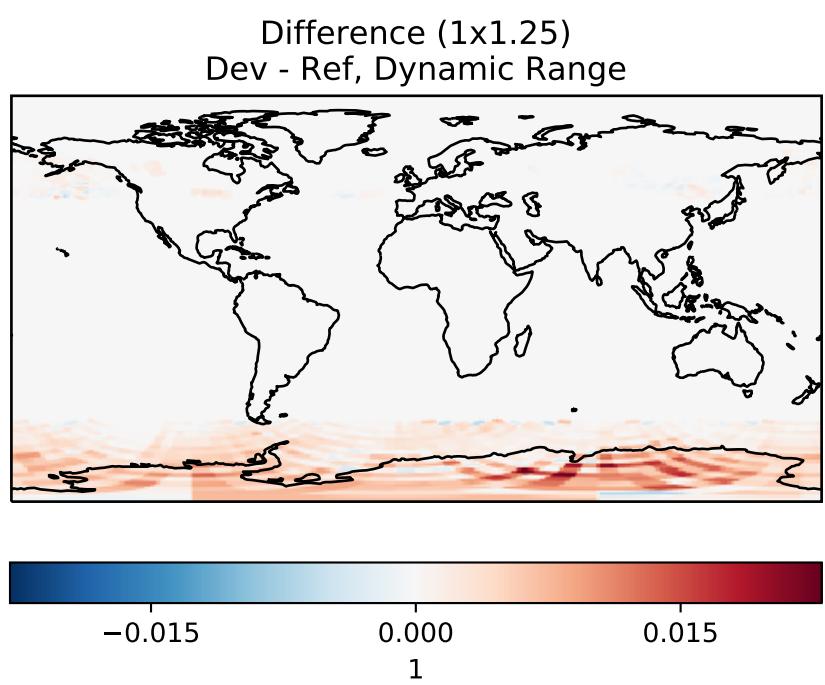
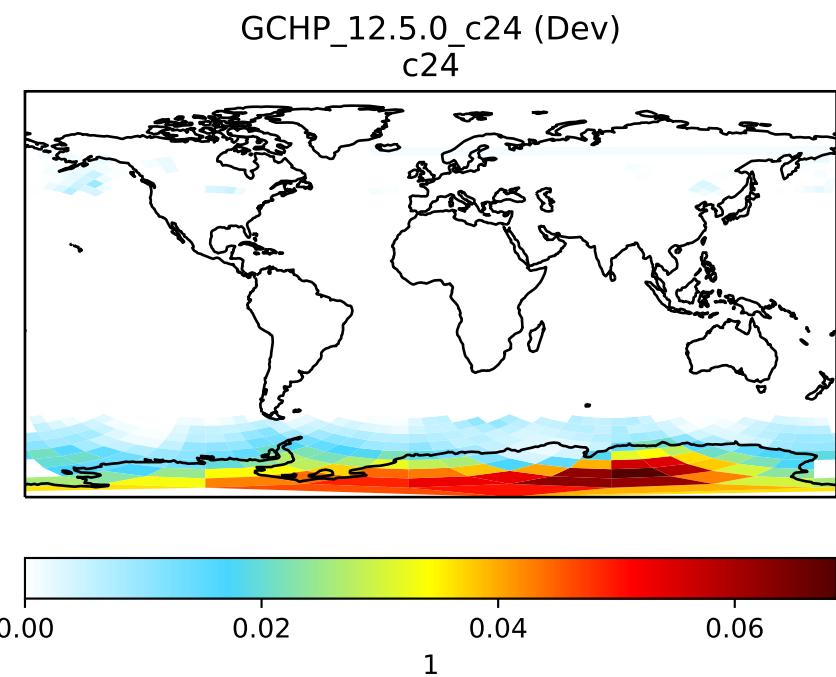
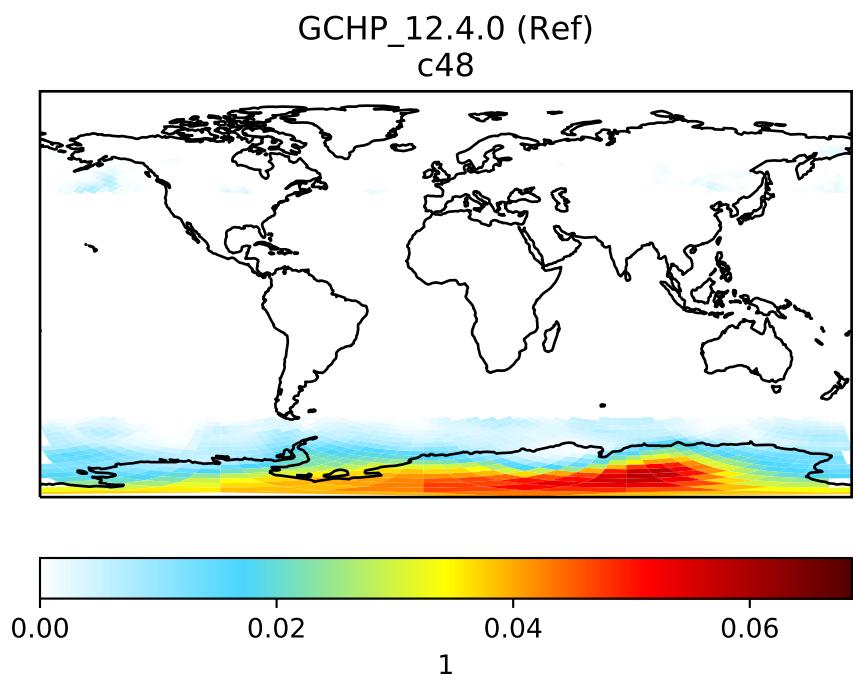
Fractional Difference (1x1.25)  
(Dev-Ref)/Ref, Dynamic Range



Fractional Difference (1x1.25)  
(Dev-Ref)/Ref, Fixed Range

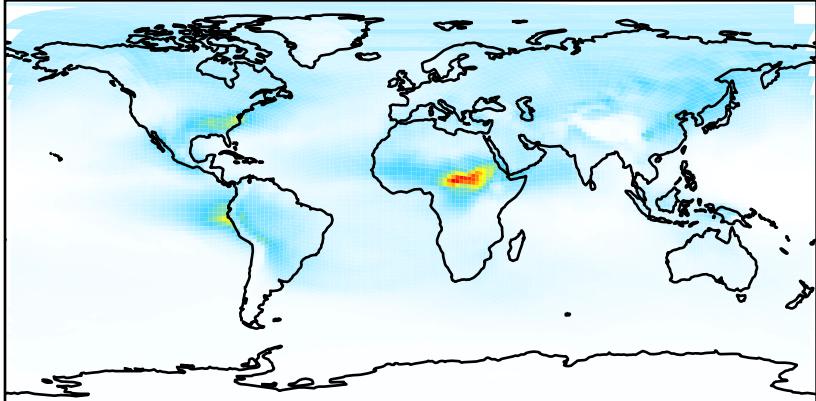


# Column\_AOD\_Polar\_Strat\_Cloud

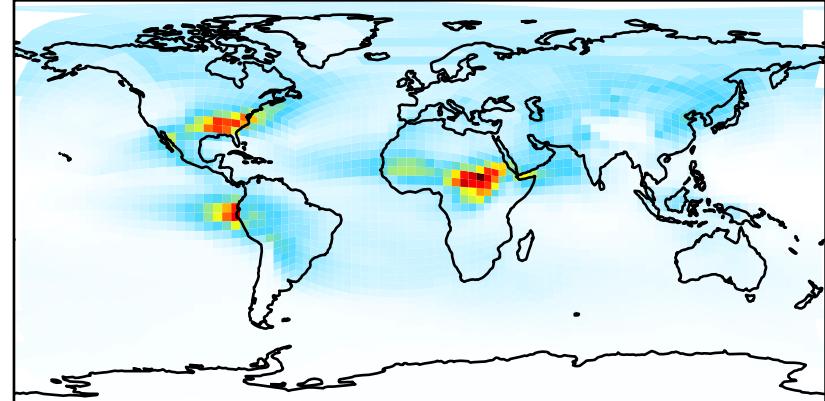


# Column\_AOD\_SOA\_from\_Aqueous\_ISOP

GCHP\_12.4.0 (Ref)  
c48



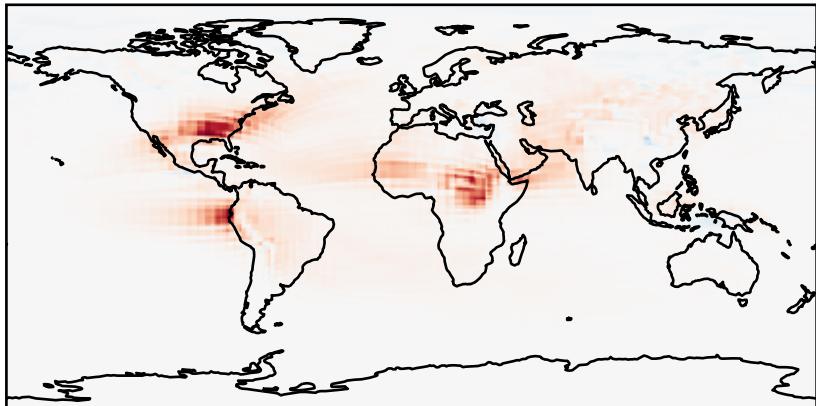
GCHP\_12.5.0\_c24 (Dev)  
c24



2 4 6 8 10 12  
1

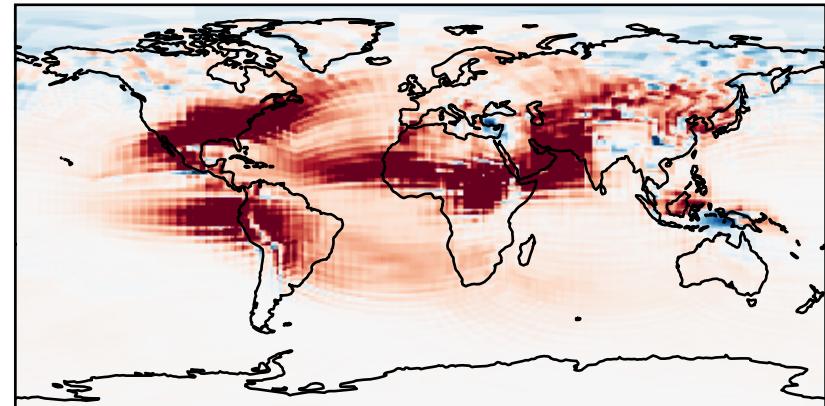
2 4 6 8 10 12  
1

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



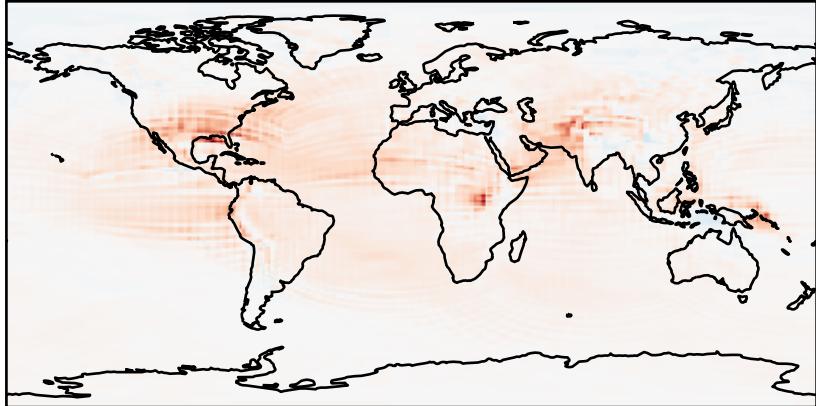
-6 -4 -2 0 2 4 6  
1

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



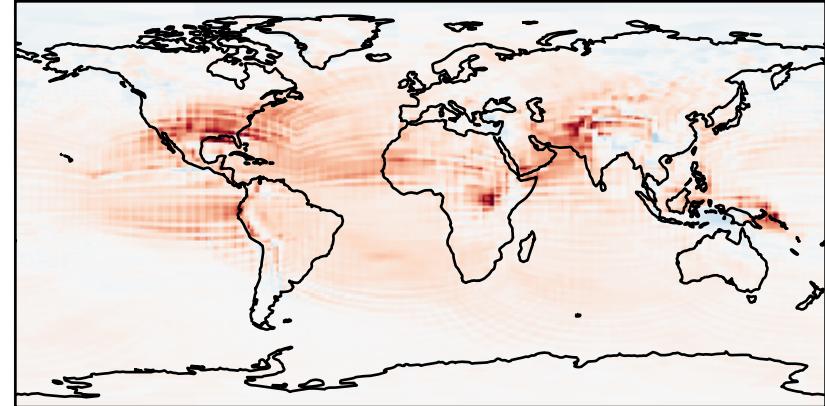
-0.6 -0.4 -0.2 0.0 0.2 0.4 0.6  
1

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



-3 -2 -1 0 1 2 3  
unitless

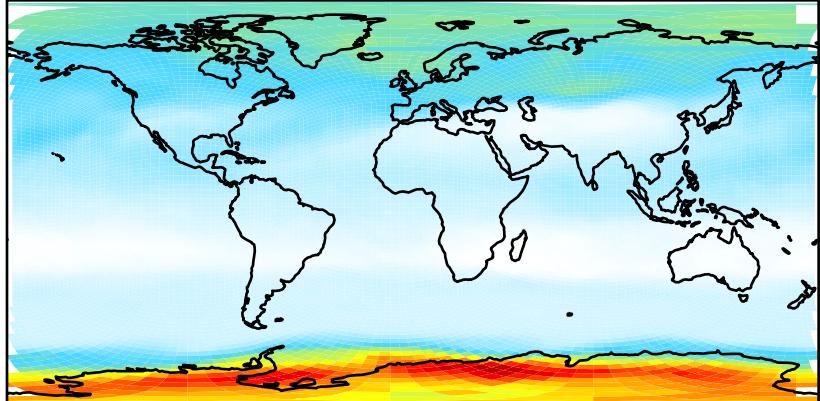
Fractional Difference (1x1.25)  
(Dev-Ref)/Ref, Fixed Range



-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0 1.5 2.0  
unitless

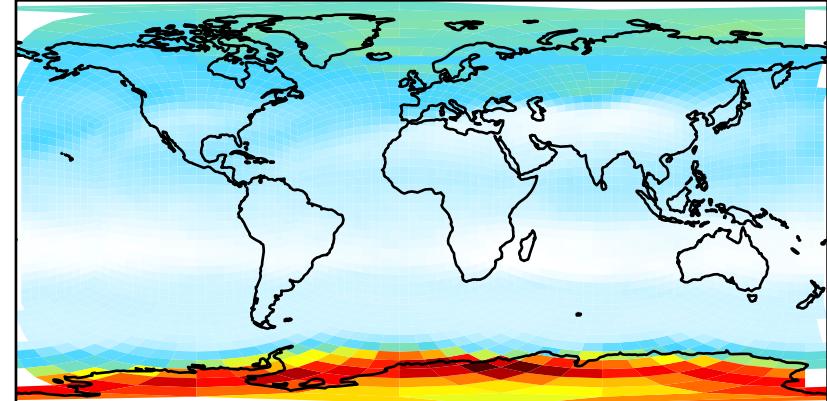
# Column\_AOD\_Strat\_Liquid\_Aerosol

GCHP\_12.4.0 (Ref)  
c48



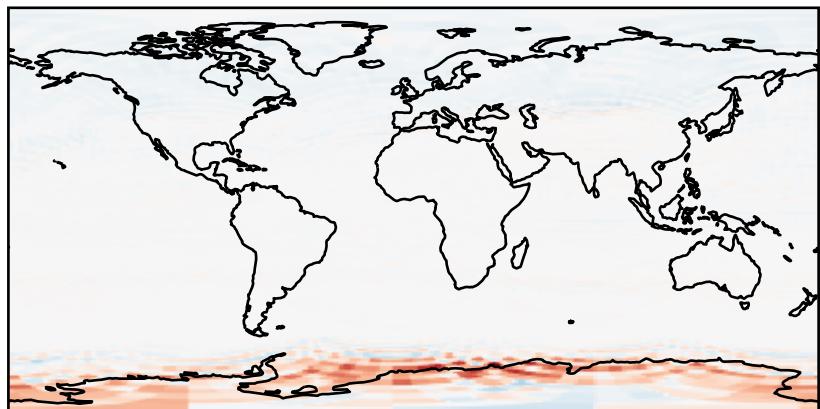
0.008      0.016      0.024  
1

GCHP\_12.5.0\_c24 (Dev)  
c24



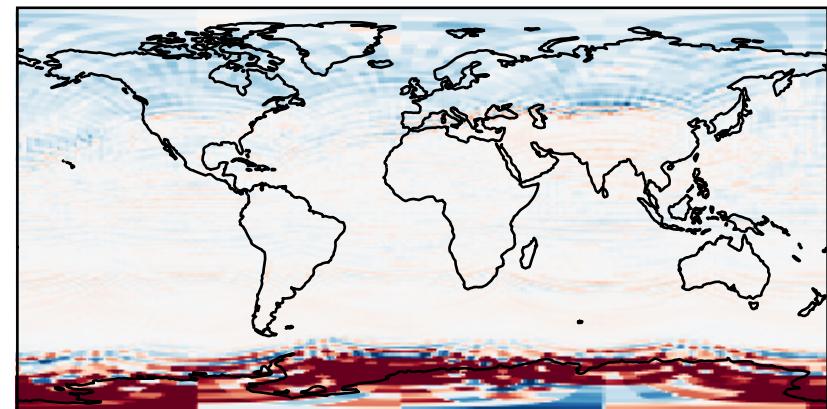
0.008      0.016      0.024  
1

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



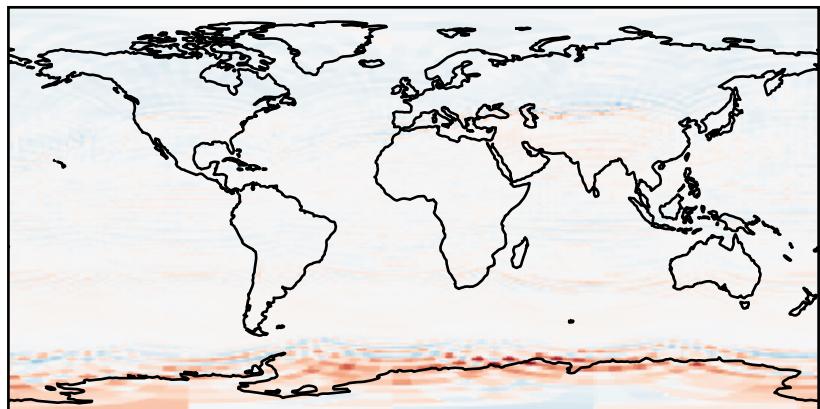
-0.005      0.000      0.005  
1

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



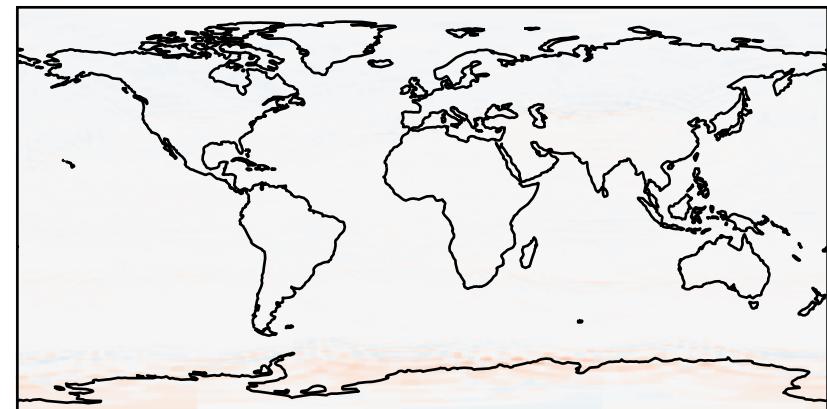
-0.001      0.000      0.001  
1

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



-0.6      -0.4      -0.2      0.0      0.2      0.4      0.6  
unitless

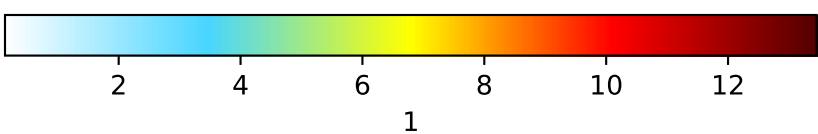
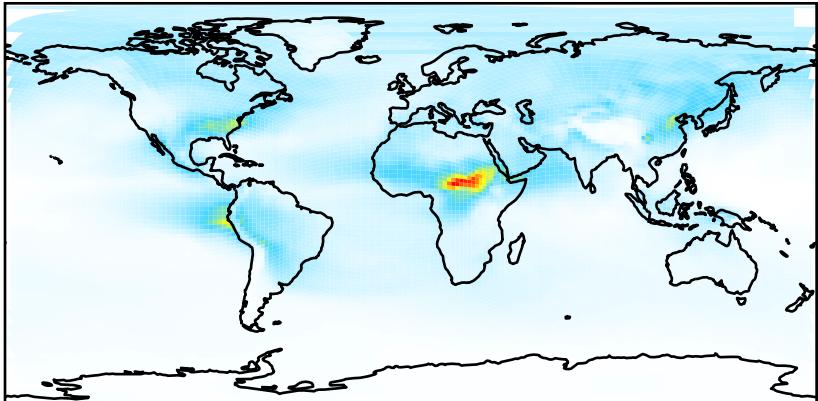
Fractional Difference (1x1.25)  
(Dev-Ref)/Ref, Fixed Range



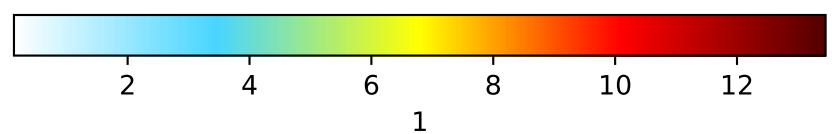
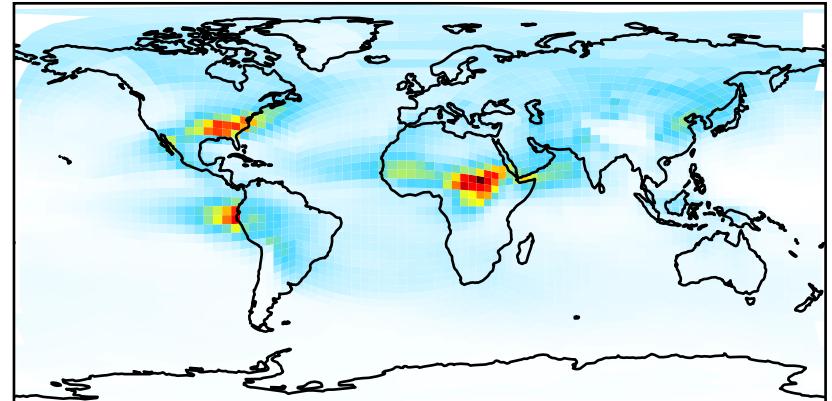
-2.0      -1.5      -1.0      -0.5      0.0      0.5      1.0      1.5      2.0  
unitless

# Column\_AOD\_Total

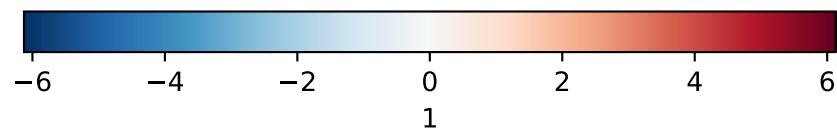
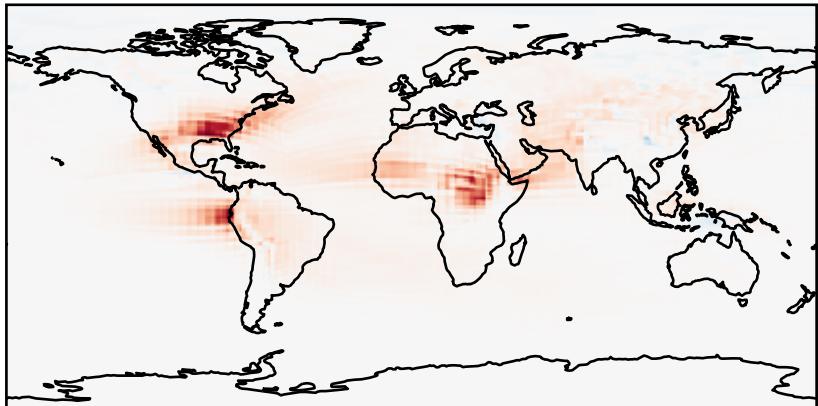
GCHP\_12.4.0 (Ref)  
c48



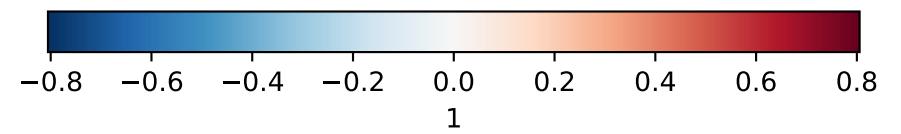
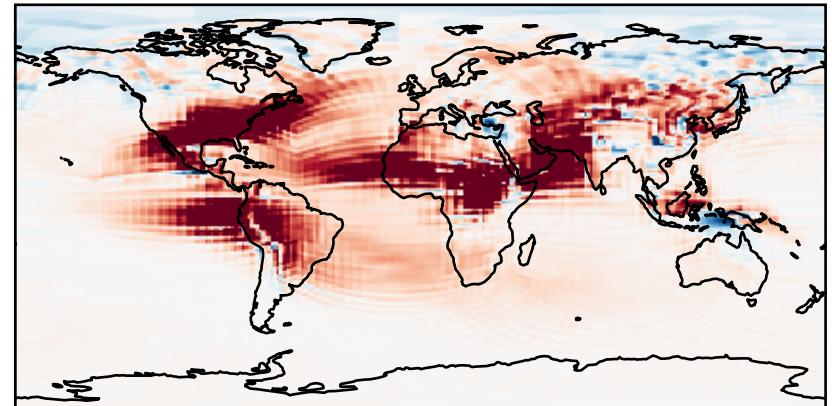
GCHP\_12.5.0\_c24 (Dev)  
c24



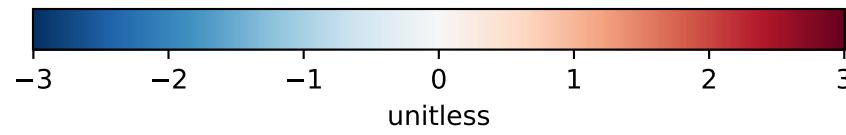
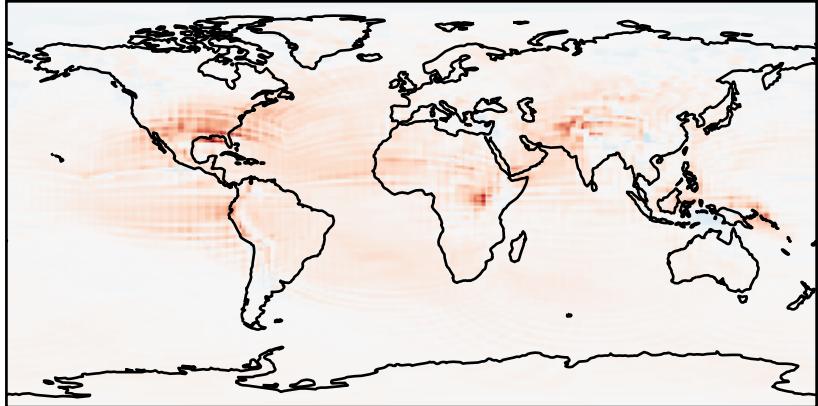
Difference (1x1.25)  
Dev - Ref, Dynamic Range



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



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



Fractional Difference (1x1.25)  
(Dev-Ref)/Ref, Fixed Range

