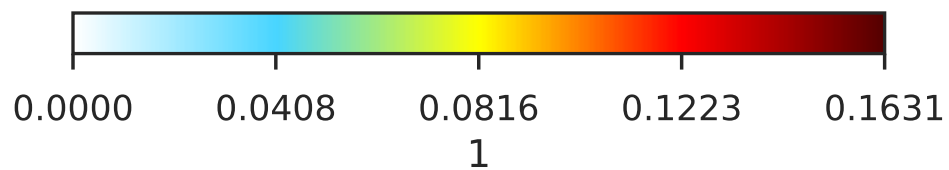
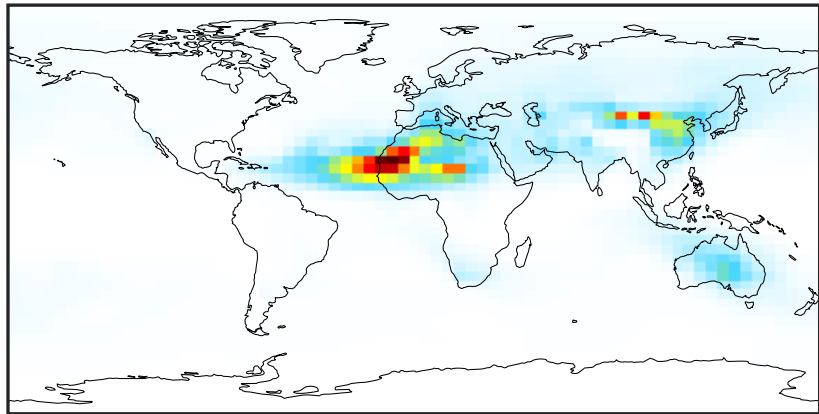
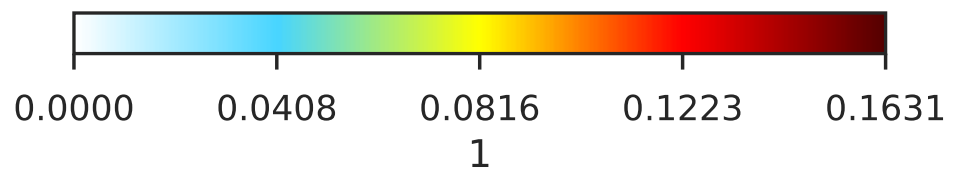
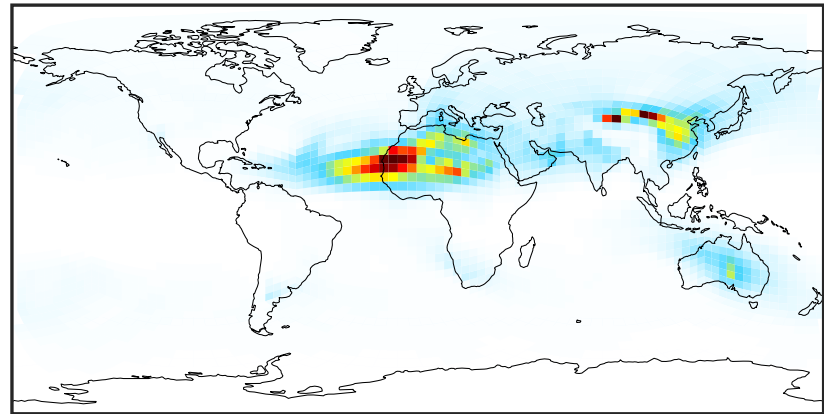


Column_AOD_Dust (Oct2019)

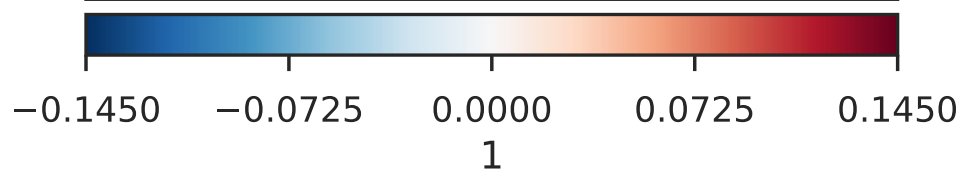
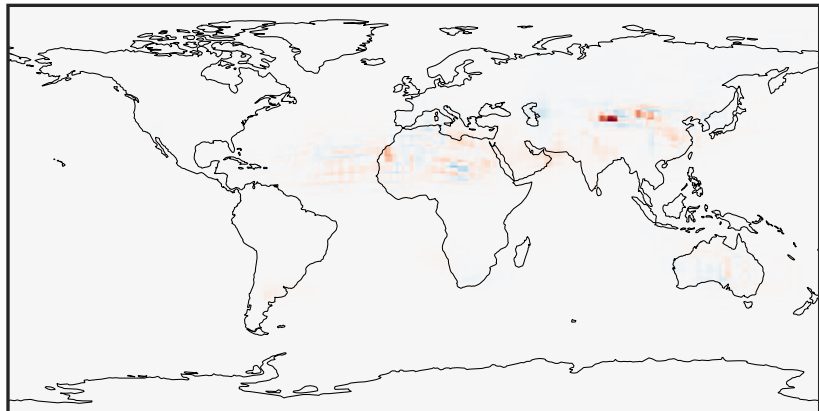
GCC_14.2.0 (Ref)
4.0x5.0



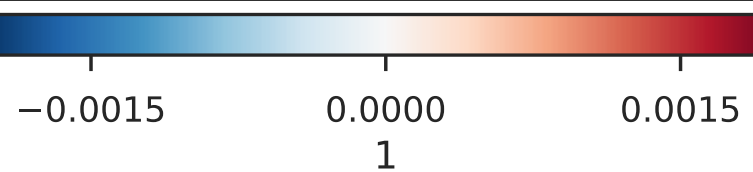
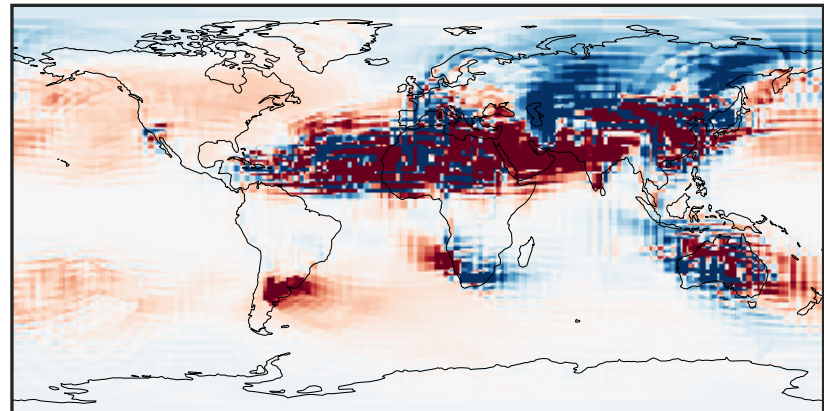
GCHP_14.2.0 (Dev)
c24



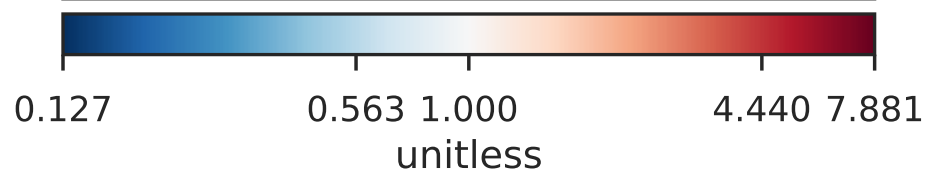
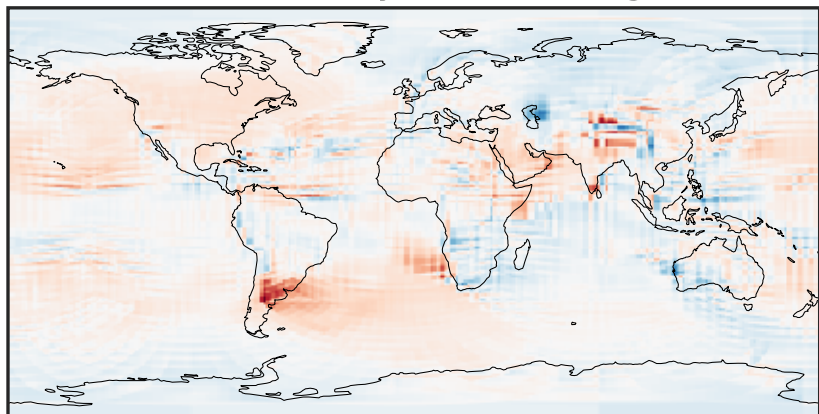
Difference (1x1.25)
Dev - Ref, Dynamic Range



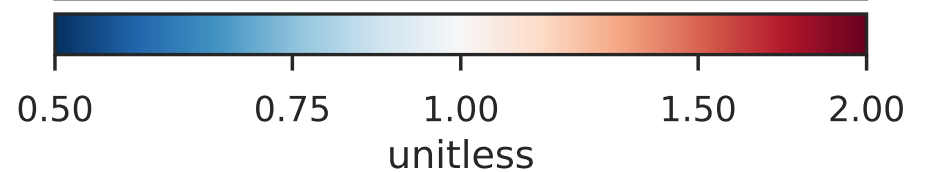
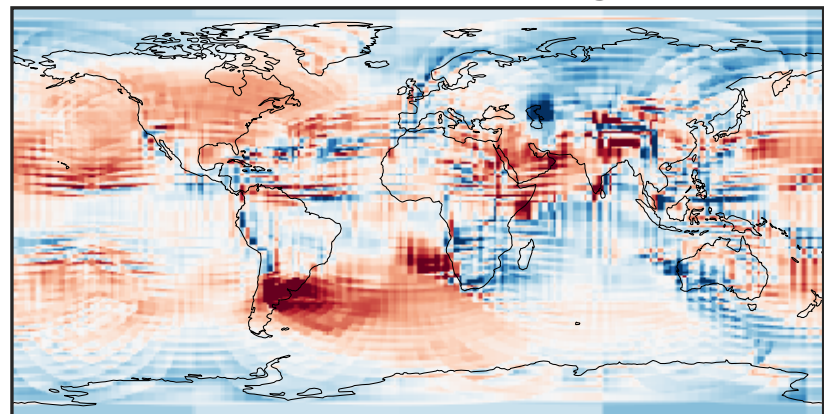
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

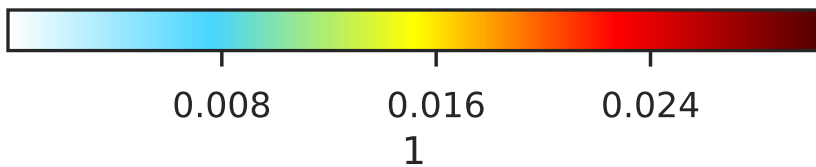
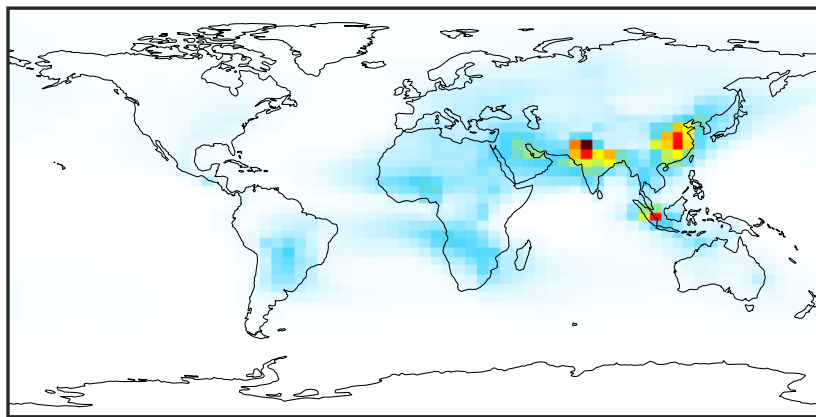


Ratio (1x1.25)
Dev/Ref, Fixed Range

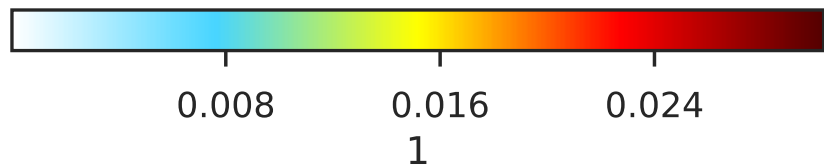
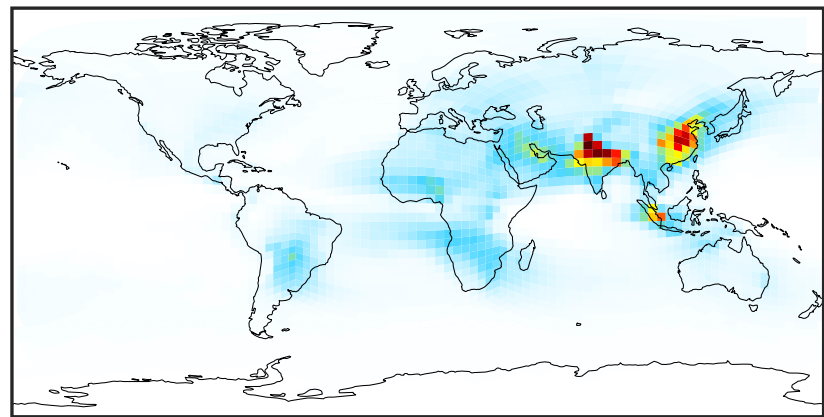


Column_AOD_BCPI (Oct2019)

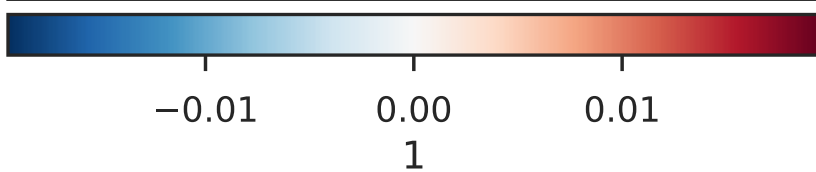
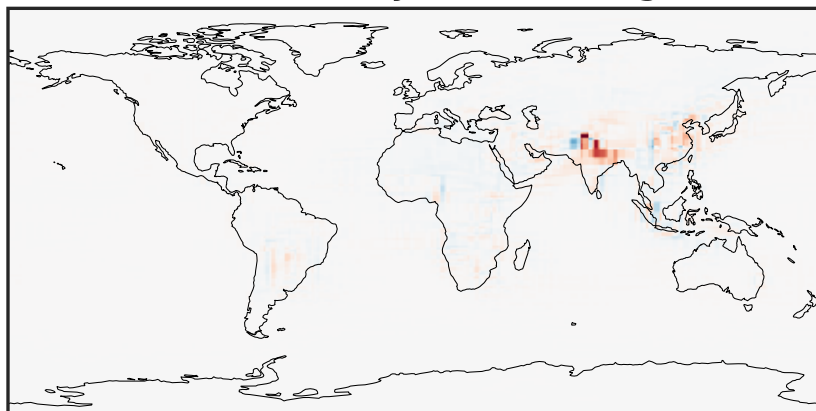
GCC_14.2.0 (Ref)
4.0x5.0



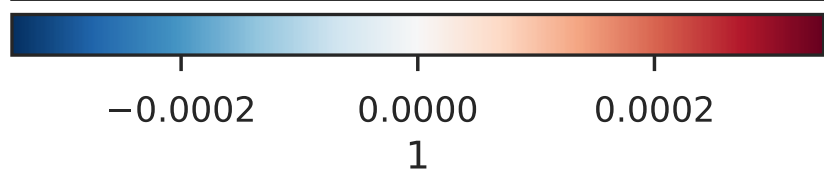
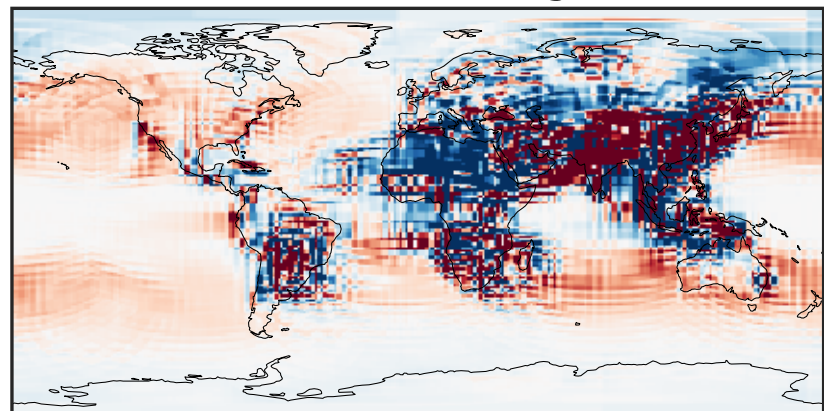
GCHP_14.2.0 (Dev)
c24



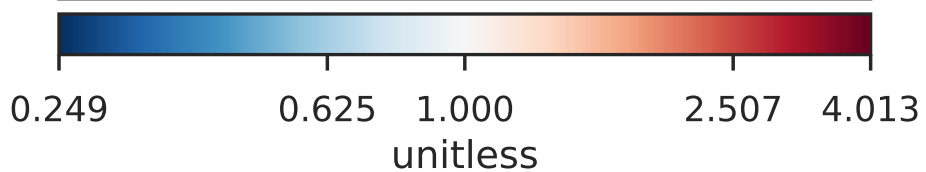
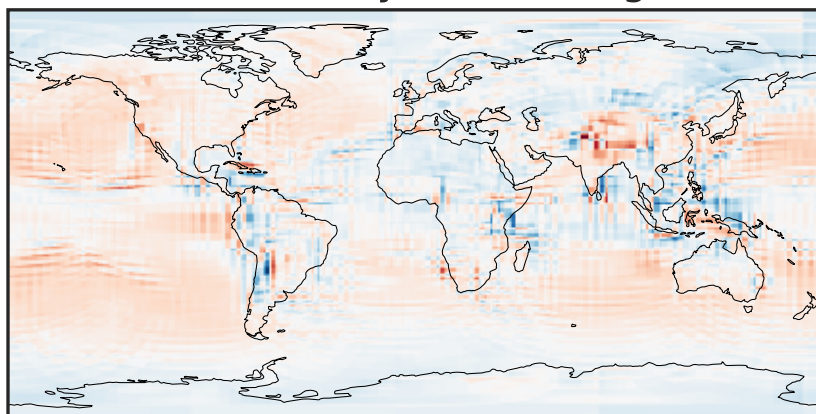
Difference (1x1.25)
Dev - Ref, Dynamic Range



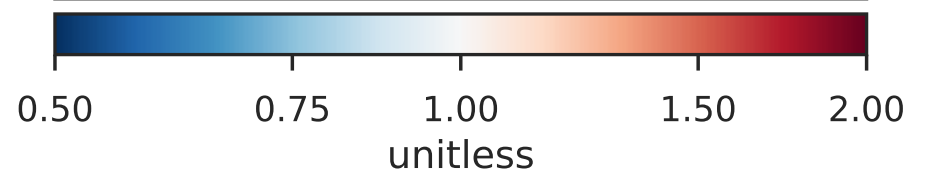
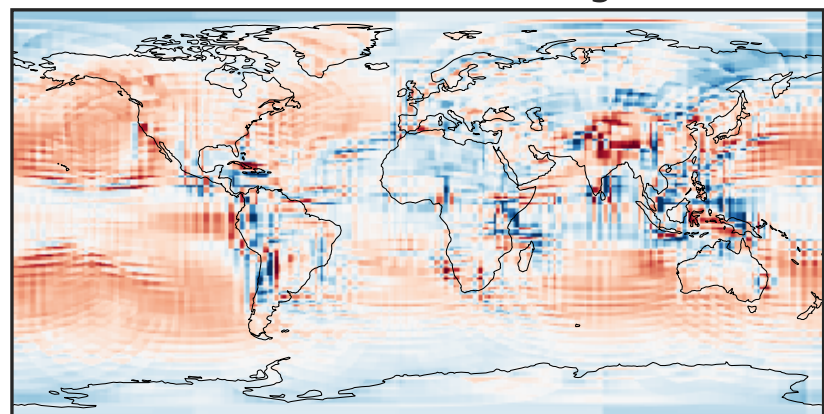
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

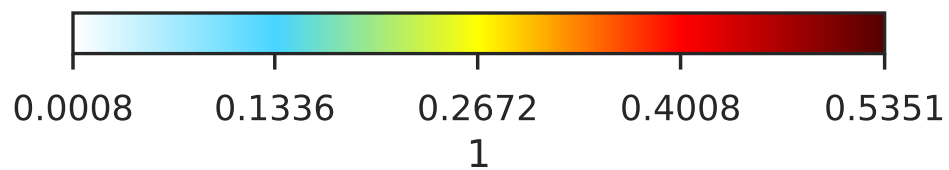
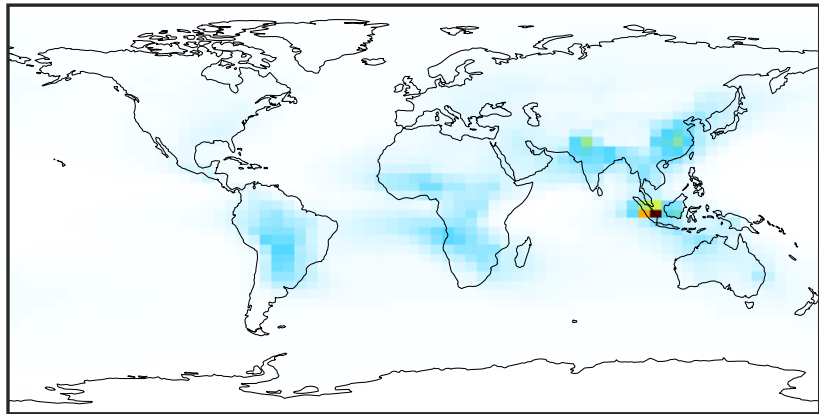


Ratio (1x1.25)
Dev/Ref, Fixed Range

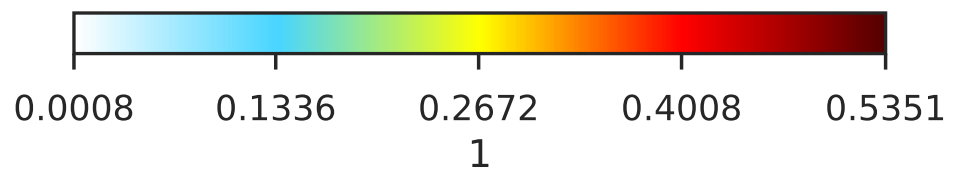
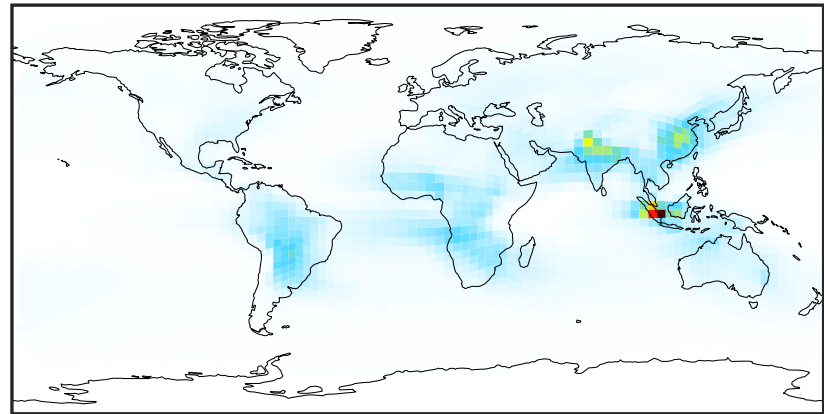


Column_AOD_OCPI (Oct2019)

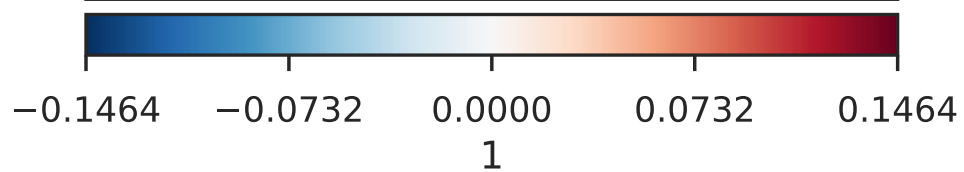
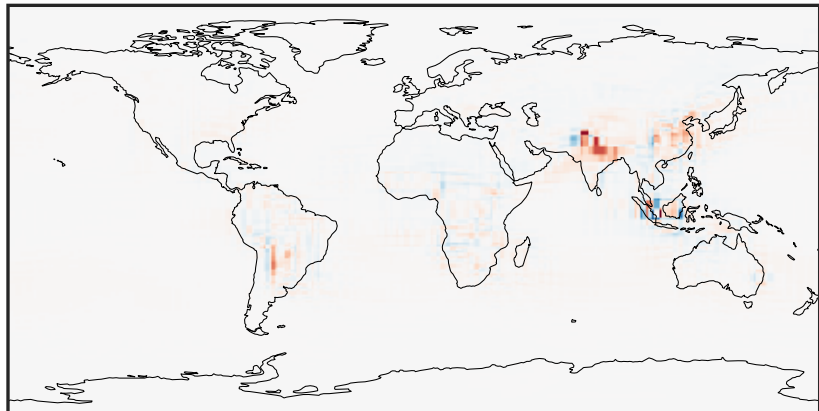
GCC_14.2.0 (Ref)
4.0x5.0



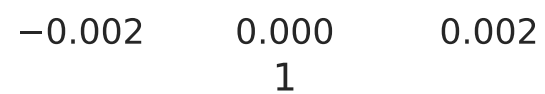
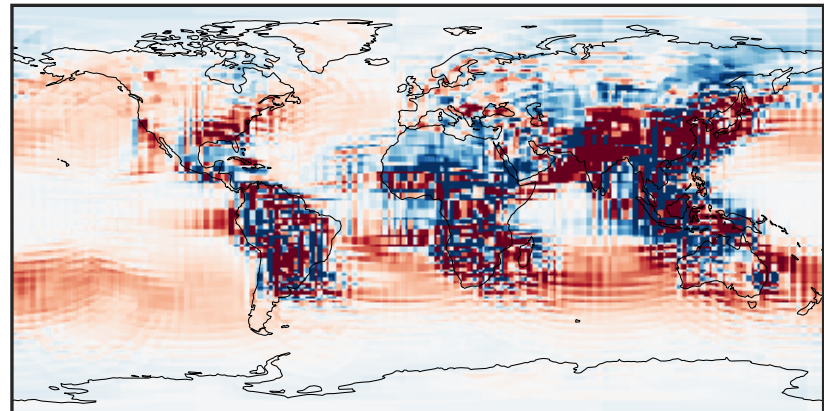
GCHP_14.2.0 (Dev)
c24



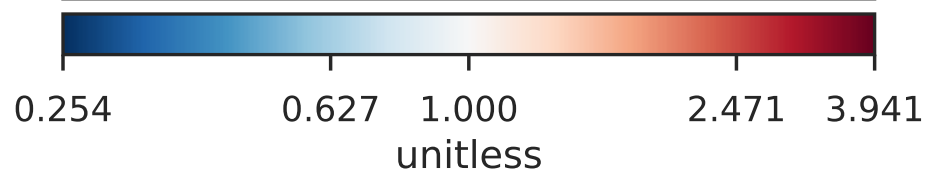
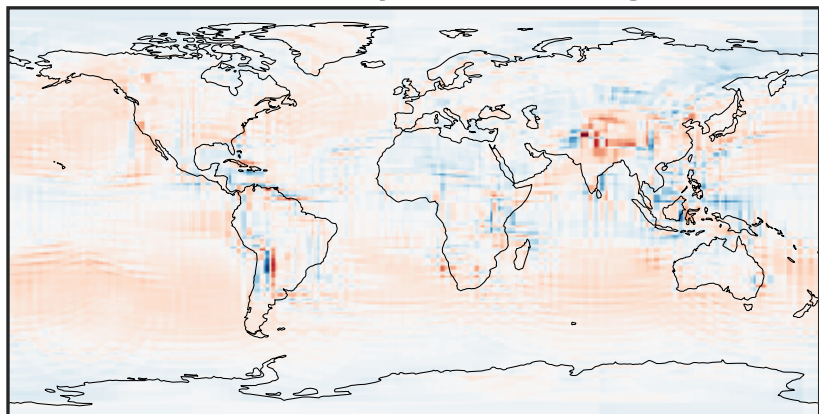
Difference (1x1.25)
Dev - Ref, Dynamic Range



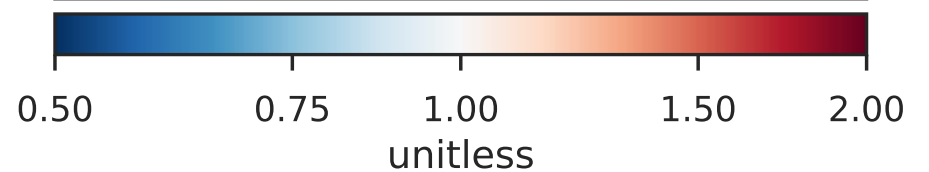
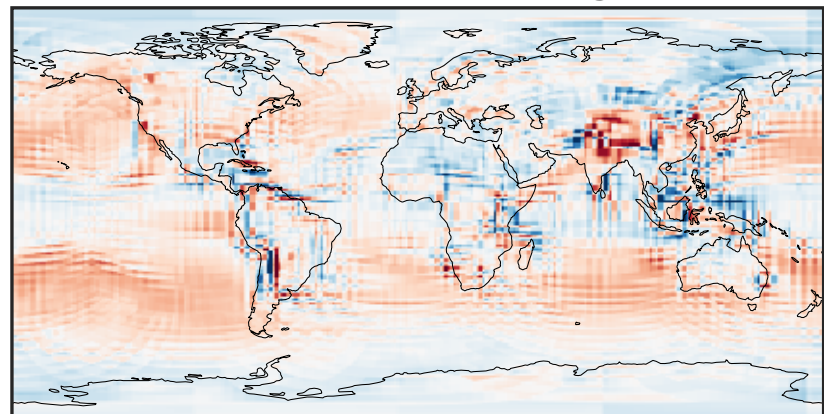
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

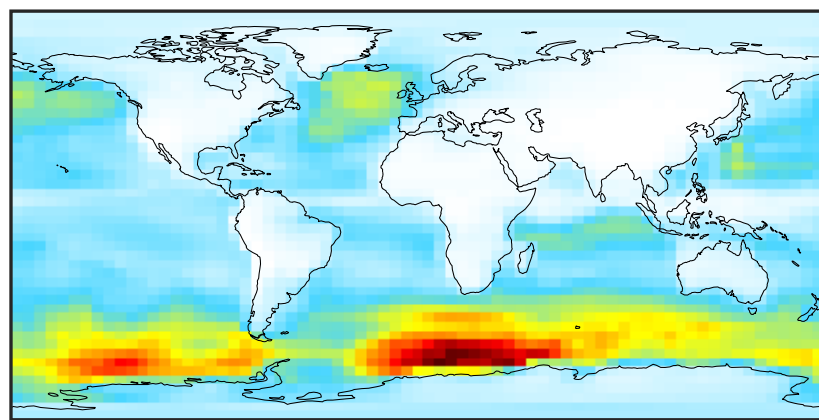


Ratio (1x1.25)
Dev/Ref, Fixed Range



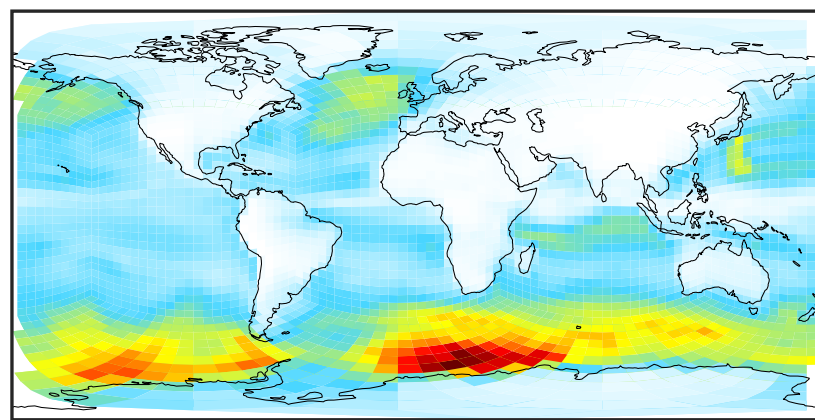
Column_AOD_SALA (Oct2019)

GCC_14.2.0 (Ref)
4.0x5.0



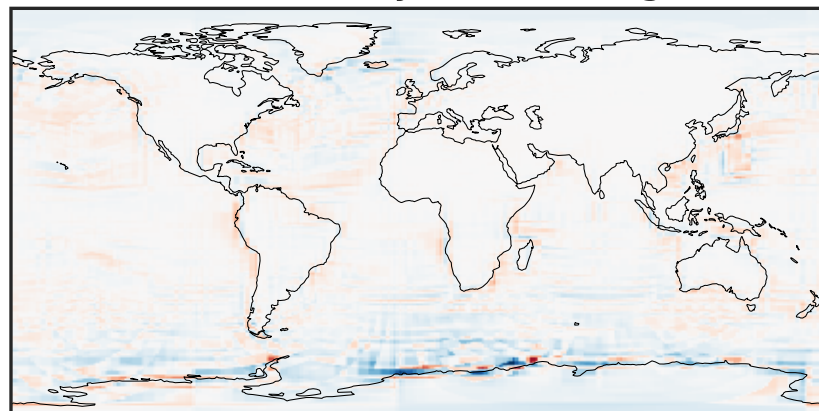
0.025 0.050 0.075
1

GCHP_14.2.0 (Dev)
c24



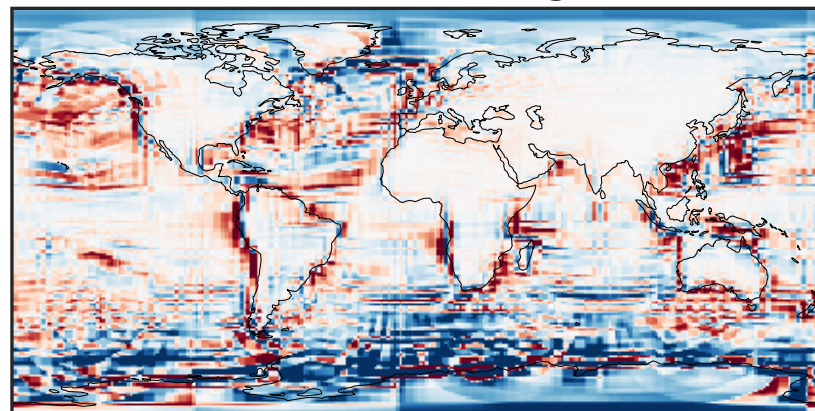
0.025 0.050 0.075
1

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



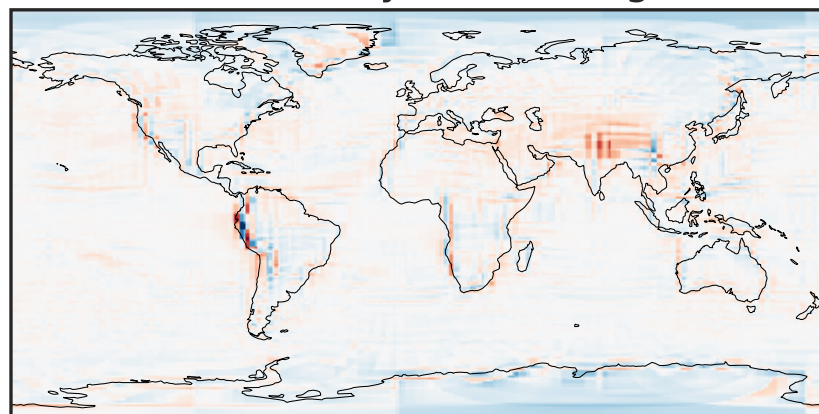
-0.02 0.00 0.02
1

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



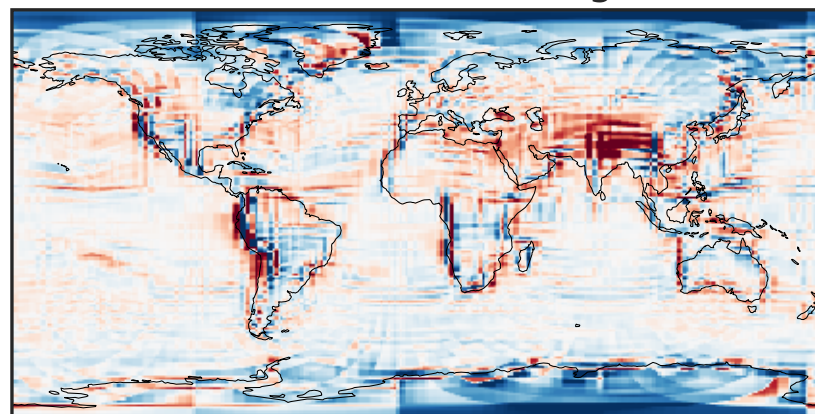
-0.0025 0.0000 0.0025
1

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



1e-01 1 10
unitless

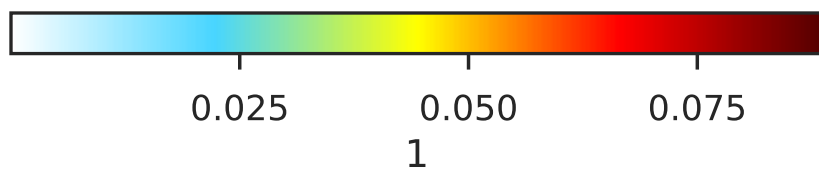
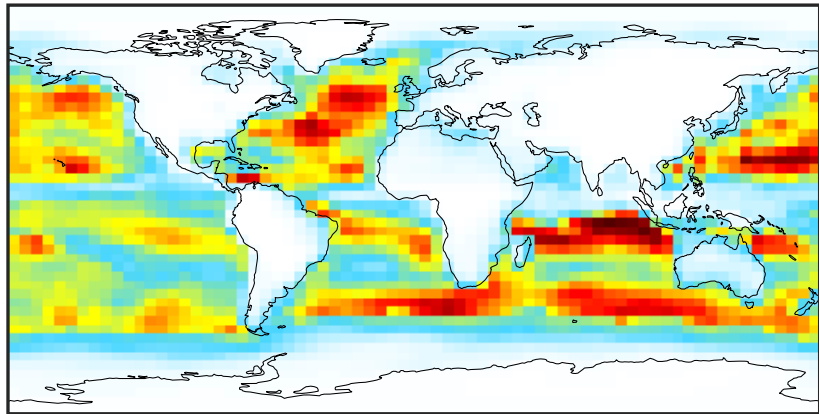
Ratio (1x1.25)
Dev/Ref, Fixed Range



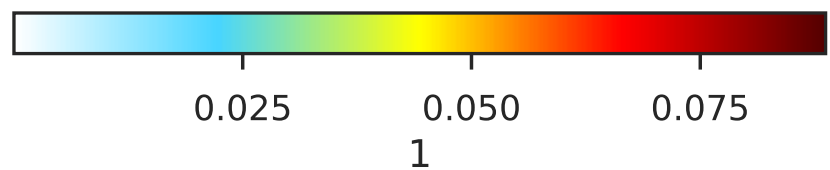
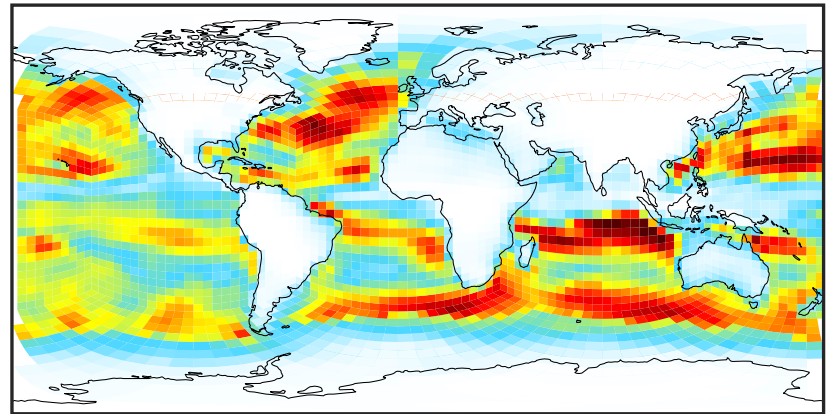
0.50 0.75 1.00 1.50 2.00
unitless

Column_AOD_SALC (Oct2019)

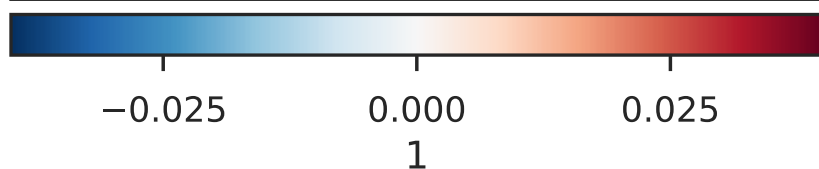
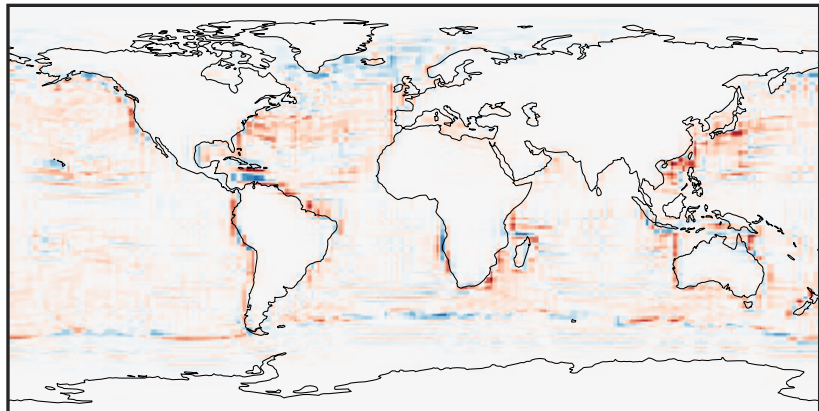
GCC_14.2.0 (Ref)
4.0x5.0



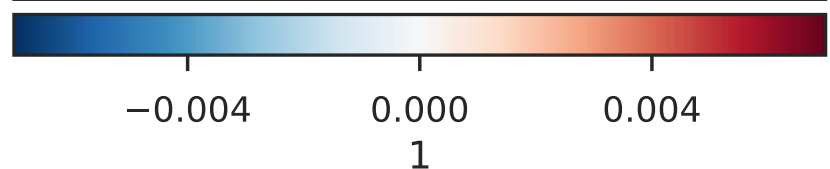
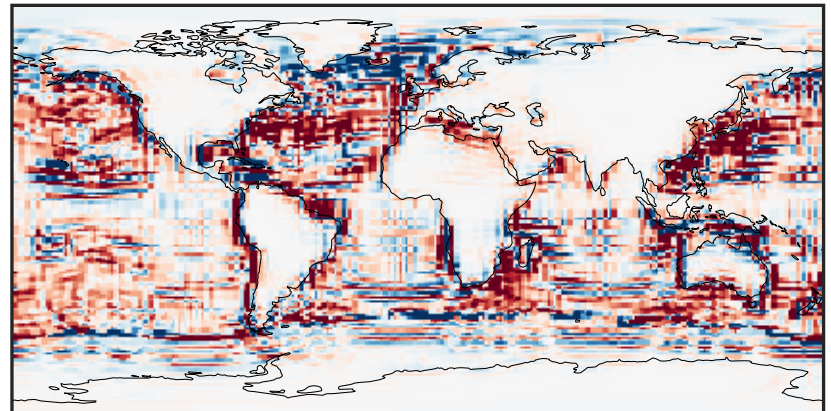
GCHP_14.2.0 (Dev)
c24



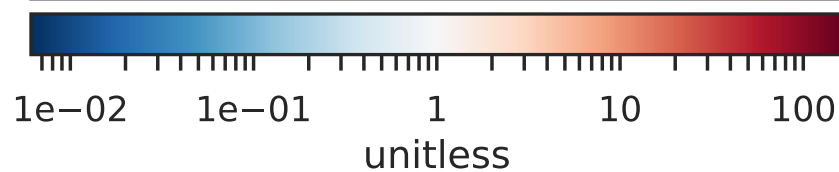
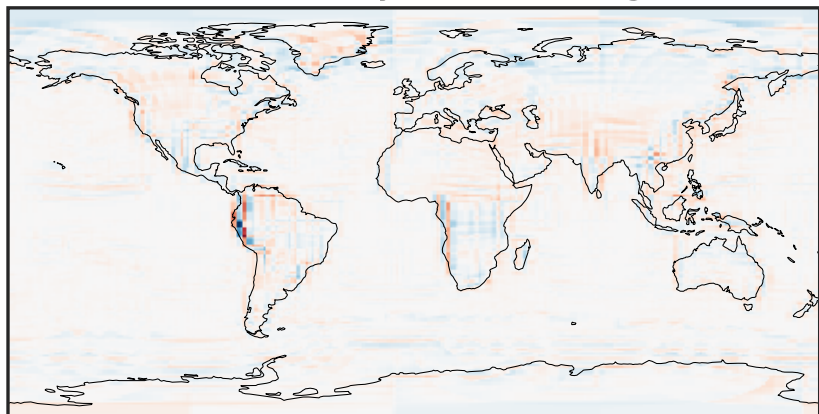
Difference (1x1.25)
Dev - Ref, Dynamic Range



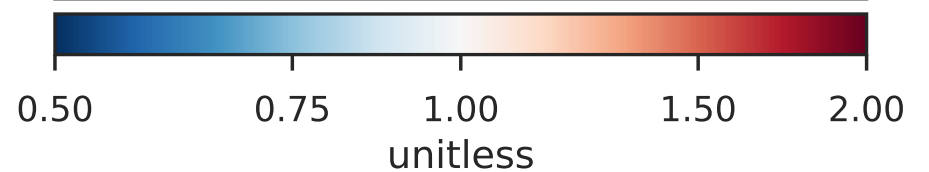
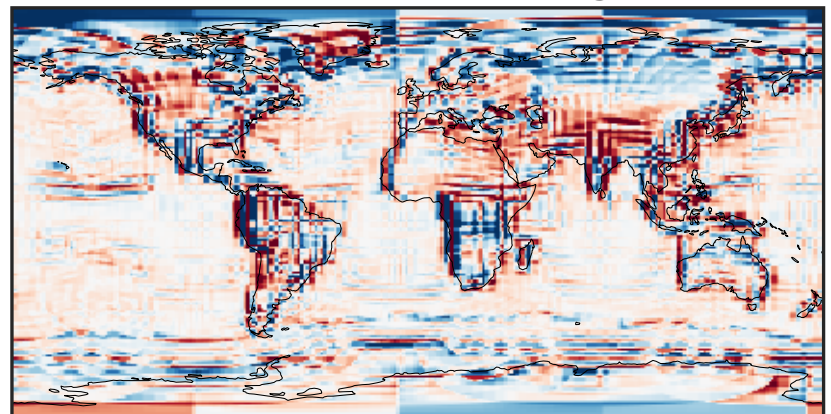
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

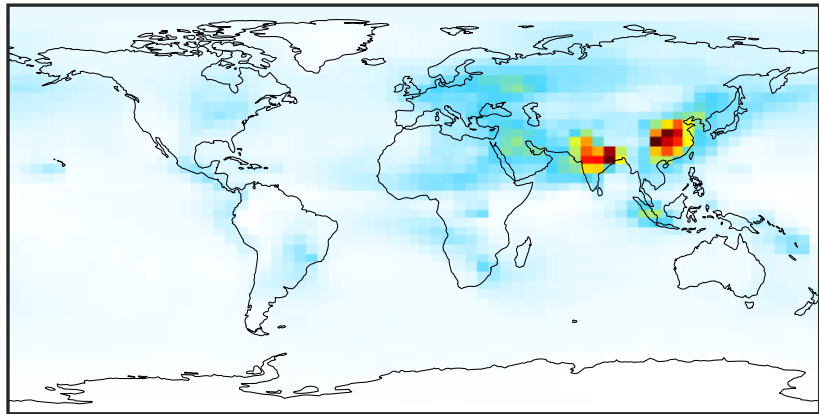


Ratio (1x1.25)
Dev/Ref, Fixed Range



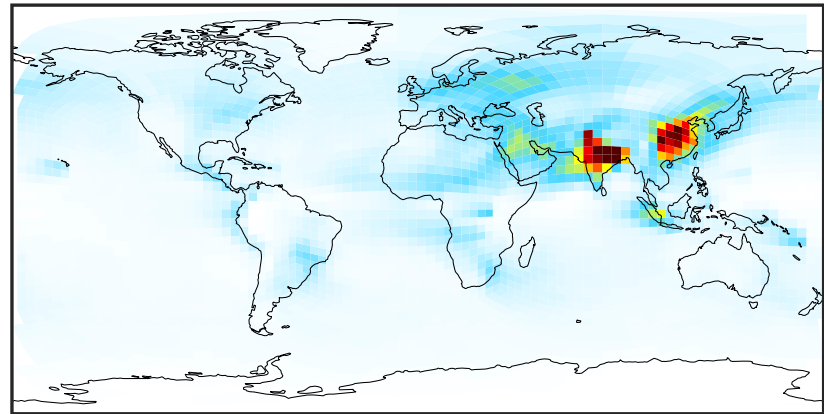
Column_AOD_SO4 (Oct2019)

GCC_14.2.0 (Ref)
4.0x5.0



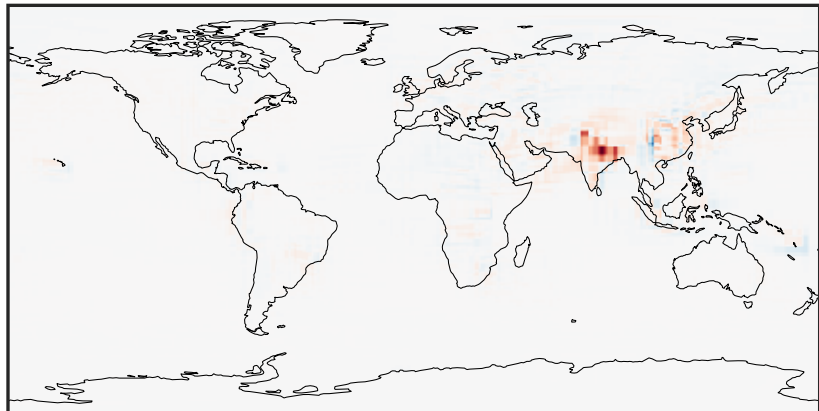
0.0018 0.1237 0.2474 0.3711 0.4966
1

GCHP_14.2.0 (Dev)
c24



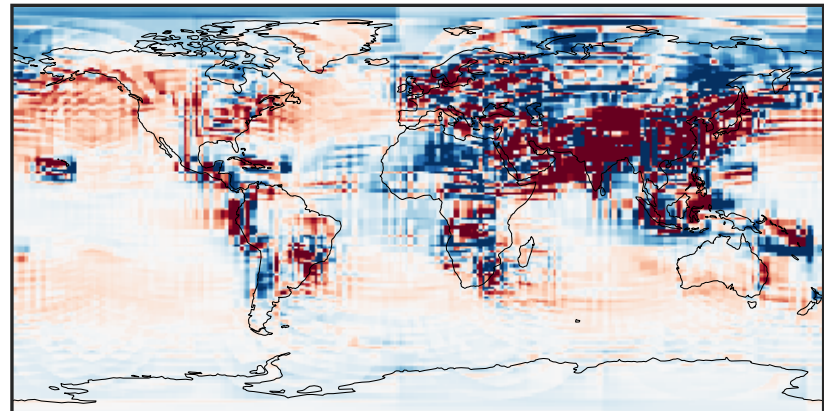
0.0018 0.1237 0.2474 0.3711 0.4966
1

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



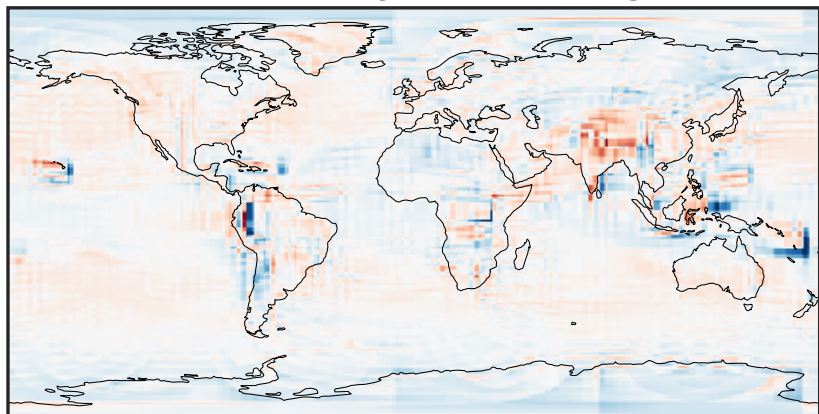
-0.4112 -0.2056 0.0000 0.2056 0.4112
1

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



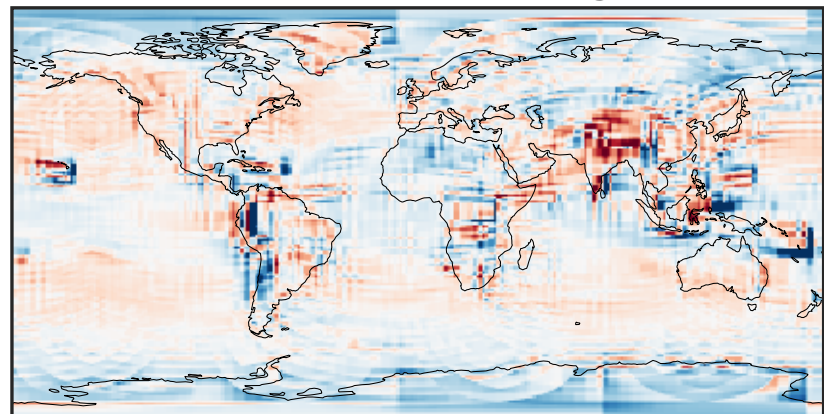
-0.005 0.000 0.005
1

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



0.234 0.617 1.000 2.633 4.267
unitless

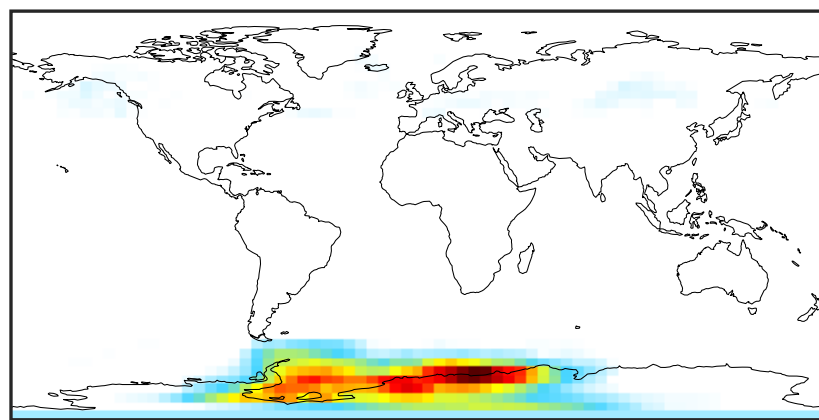
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

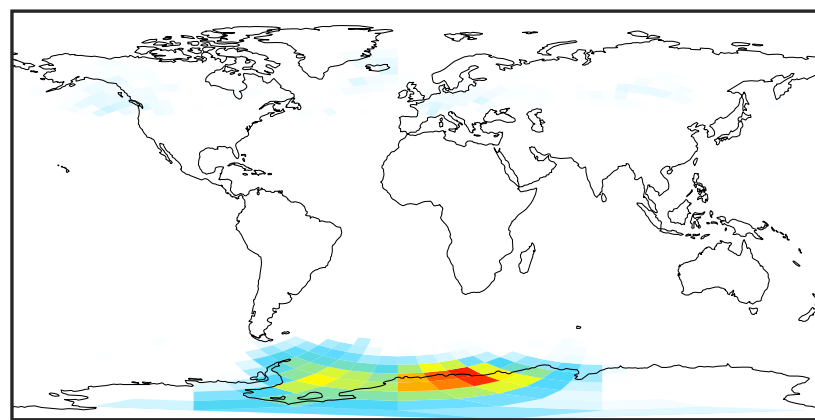
Column_AOD_Polar_Strat_Cloud (Oct2019)

GCC_14.2.0 (Ref)
4.0x5.0



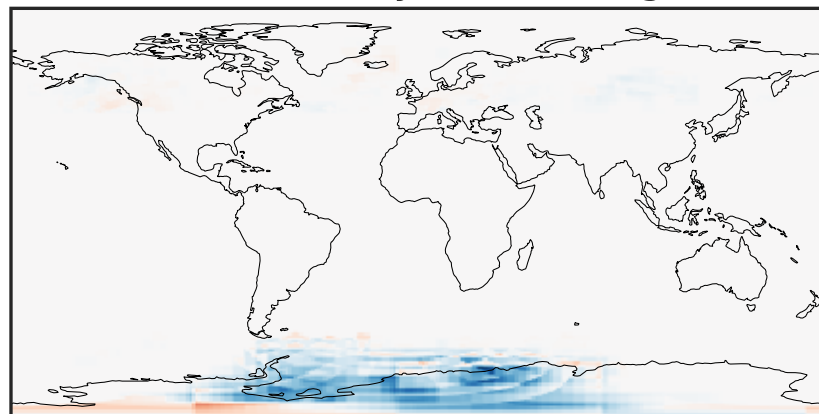
0.000 0.015 0.030 0.045
1

GCHP_14.2.0 (Dev)
c24



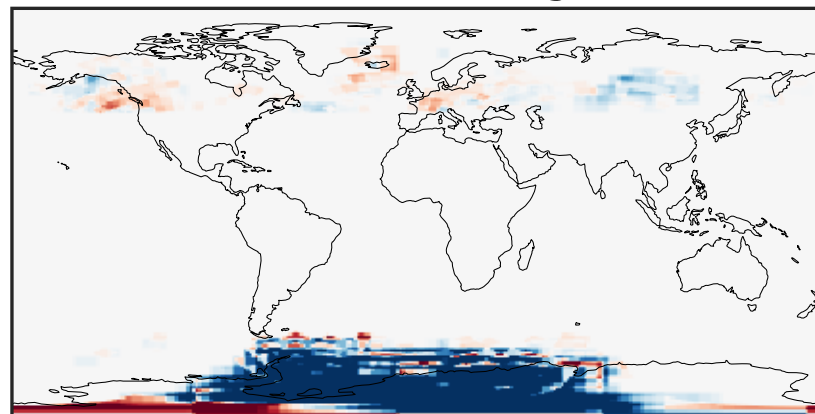
0.000 0.015 0.030 0.045
1

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



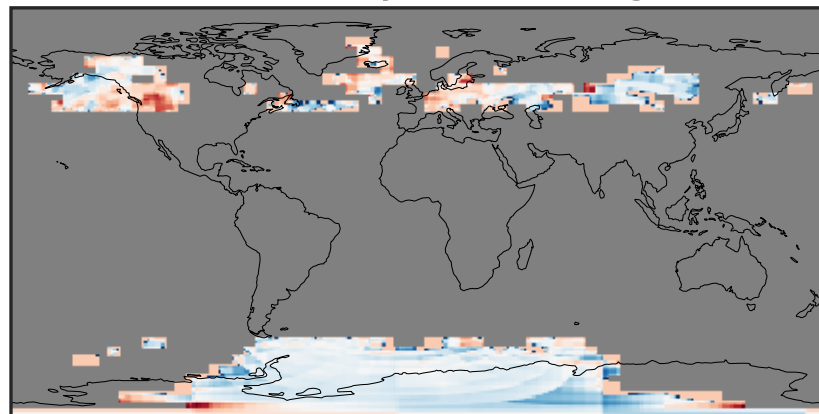
-0.015 0.000 0.015
1

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



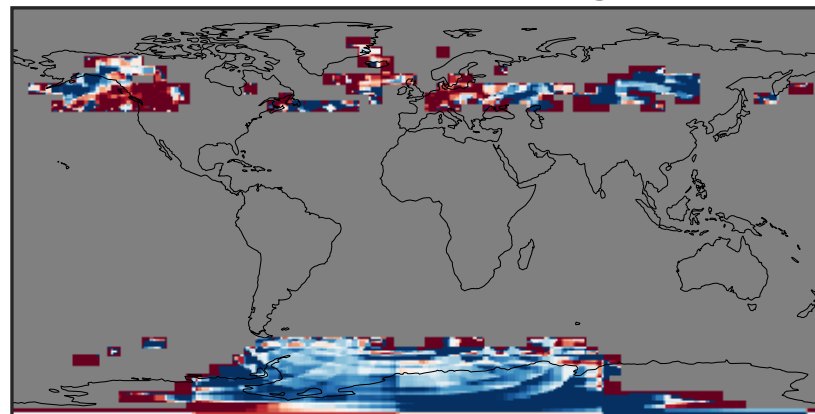
-0.0025 0.0000 0.0025
1

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



1e-01 1 10
unitless

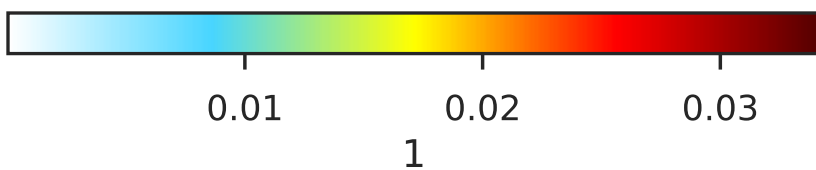
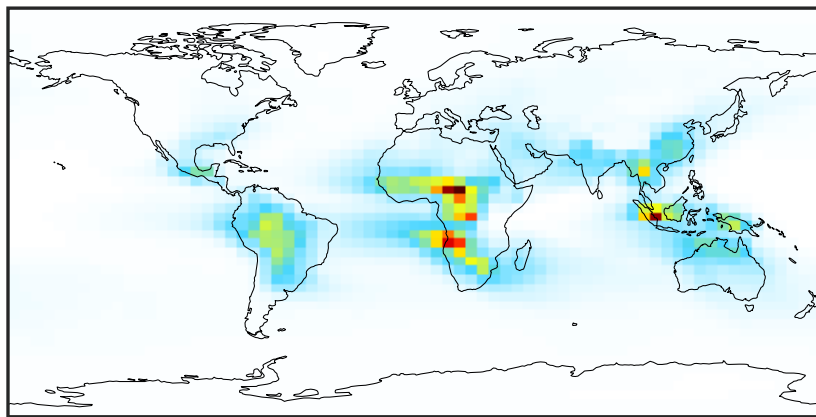
Ratio (1x1.25)
Dev/Ref, Fixed Range



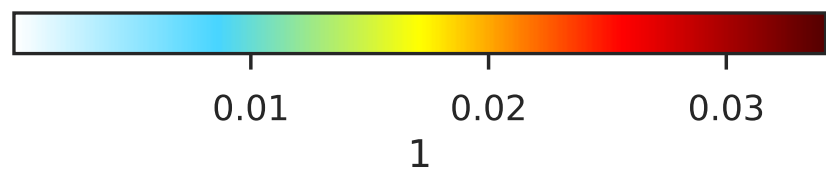
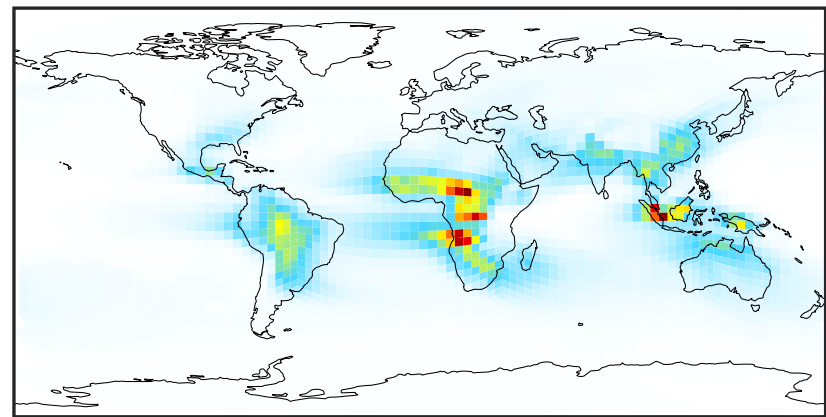
0.50 0.75 1.00 1.50 2.00
unitless

Column_AOD_SOA_from_Aqueous_ISOP (Oct2019)

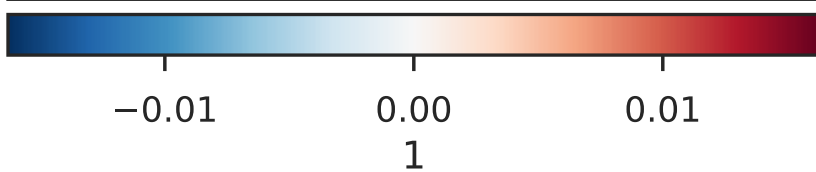
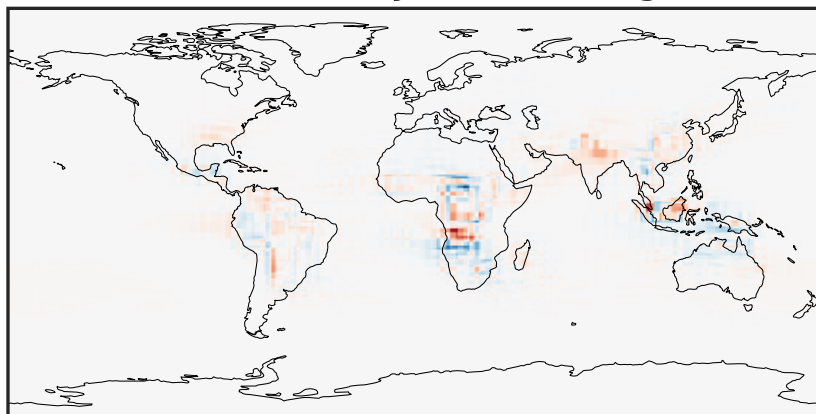
GCC_14.2.0 (Ref)
4.0x5.0



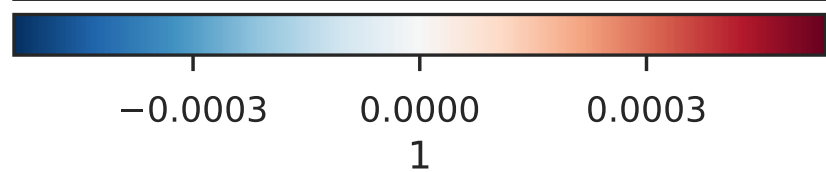
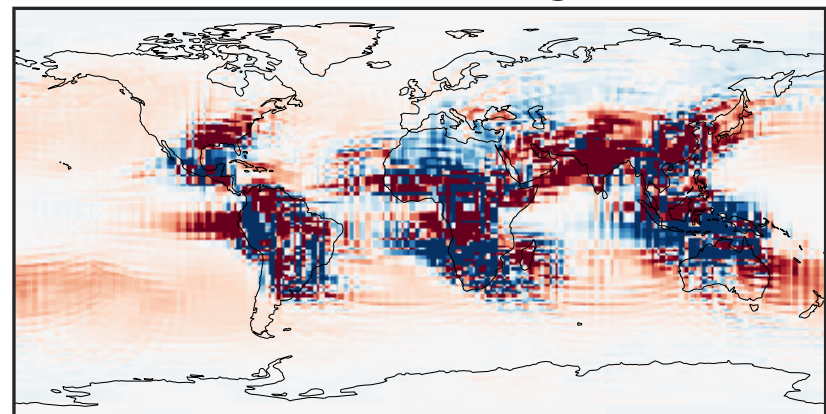
GCHP_14.2.0 (Dev)
c24



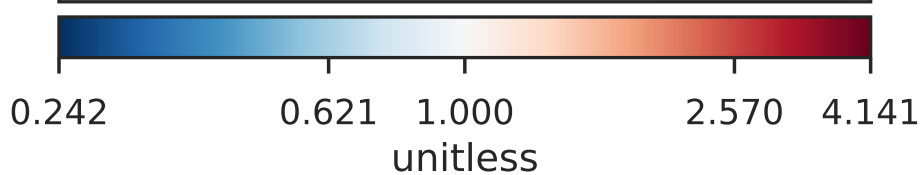
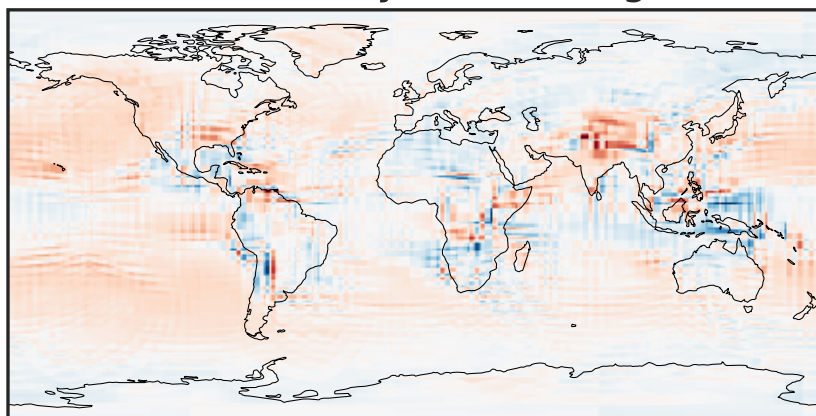
Difference (1x1.25)
Dev - Ref, Dynamic Range



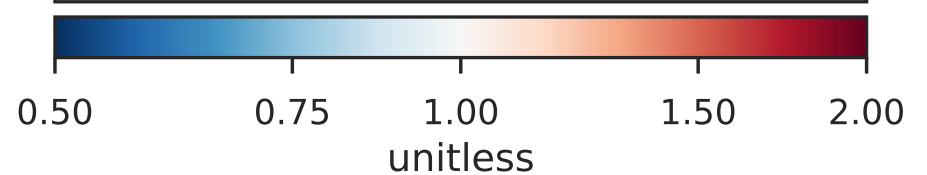
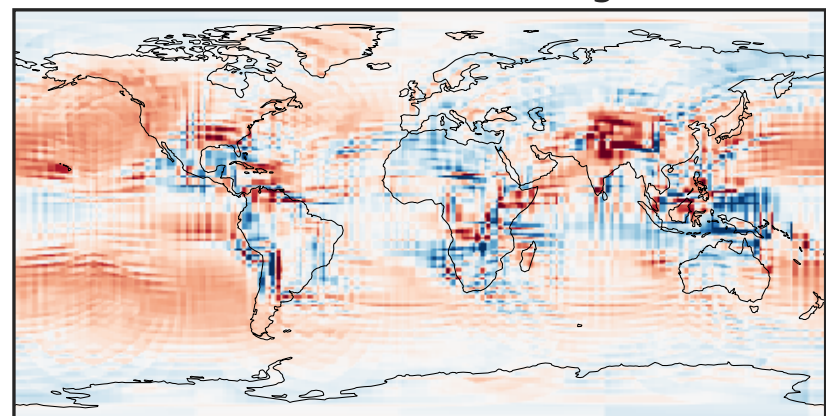
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

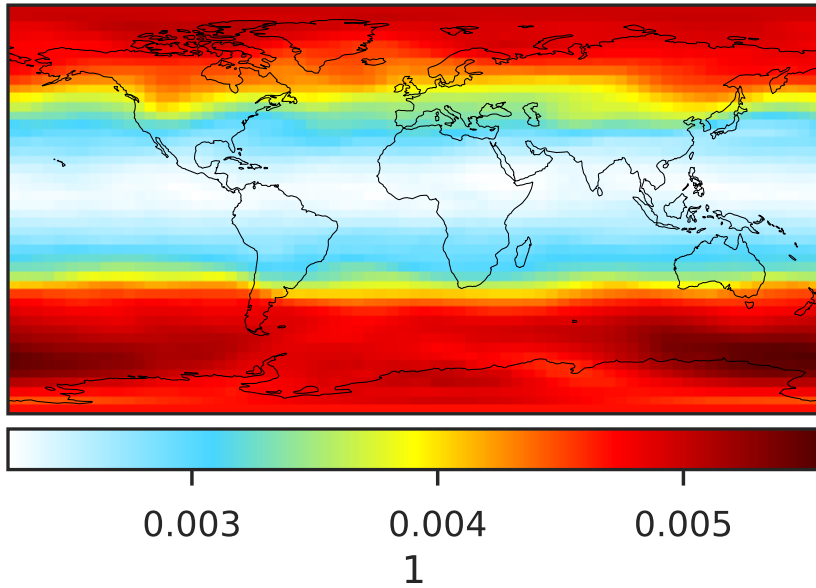


Ratio (1x1.25)
Dev/Ref, Fixed Range

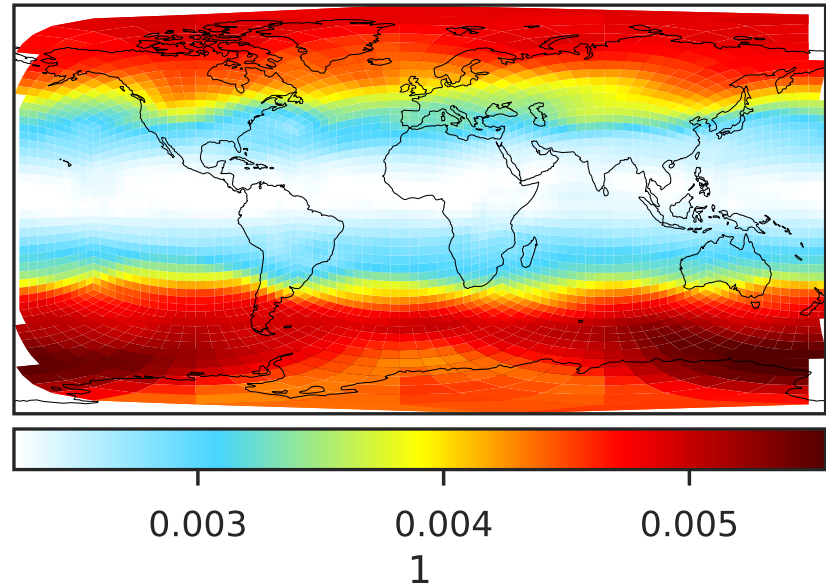


Column_AOD_Strat_Liquid_Aerosol (Oct2019)

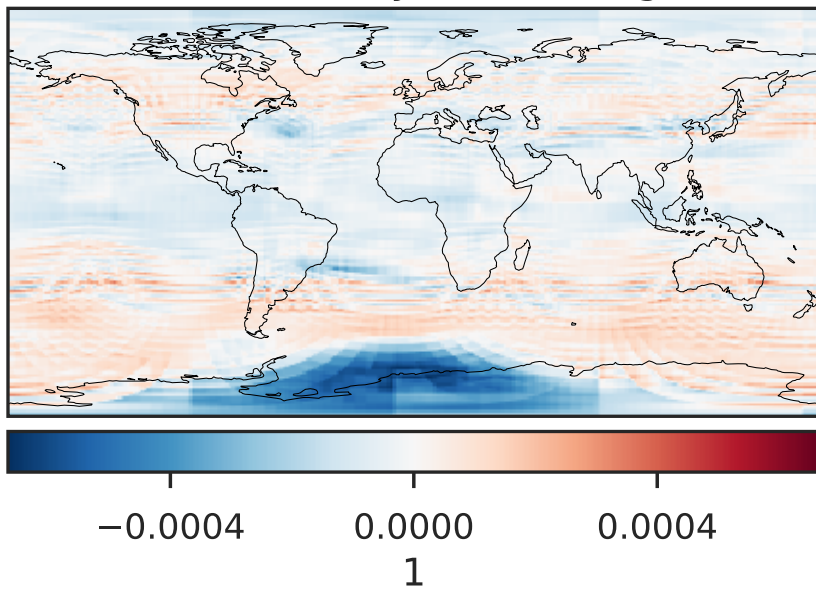
GCC_14.2.0 (Ref)
4.0x5.0



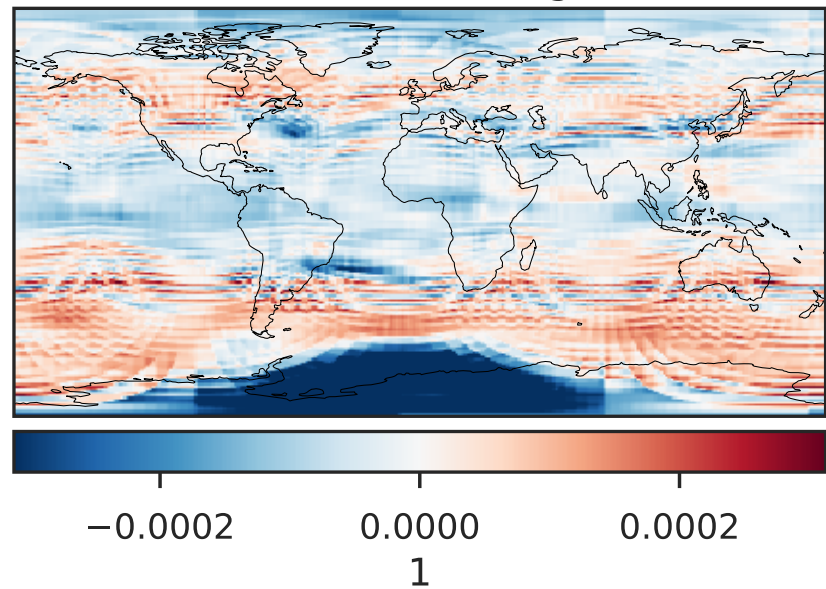
GCHP_14.2.0 (Dev)
c24



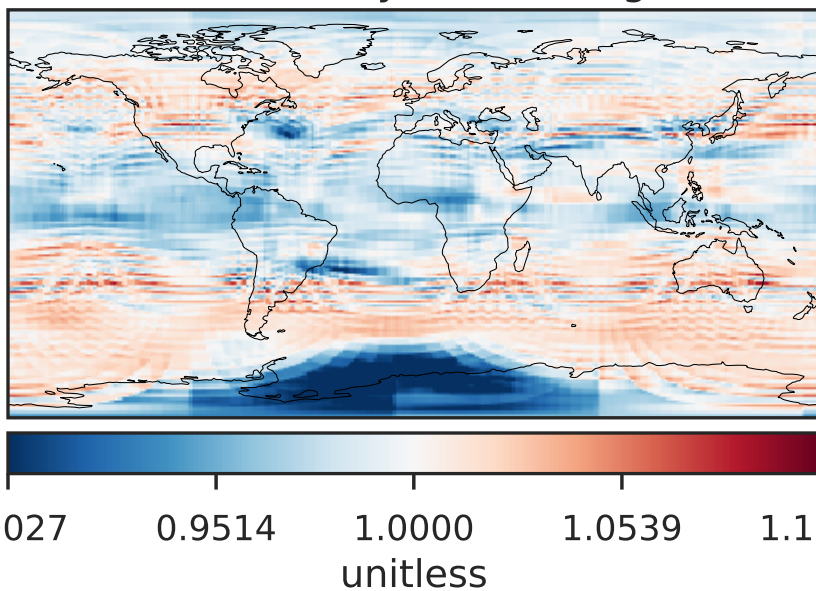
Difference (1x1.25)
Dev - Ref, Dynamic Range



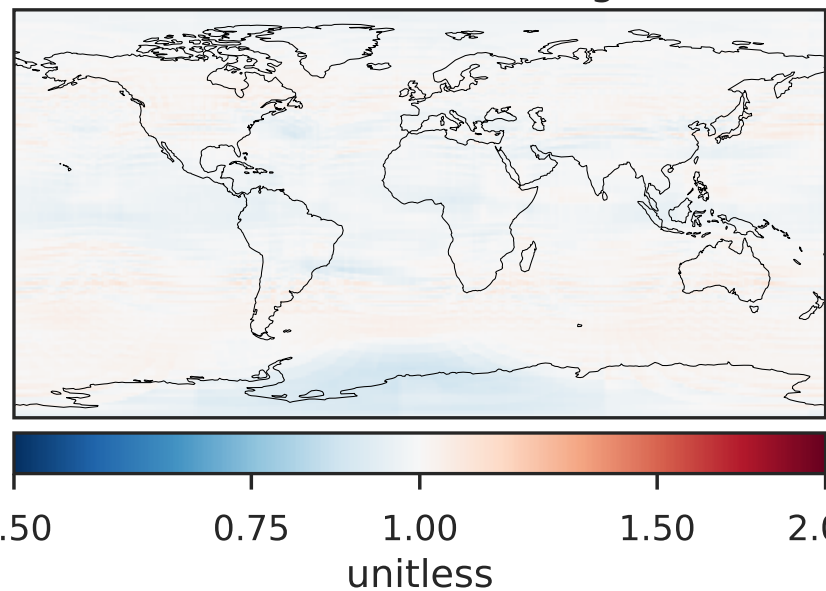
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

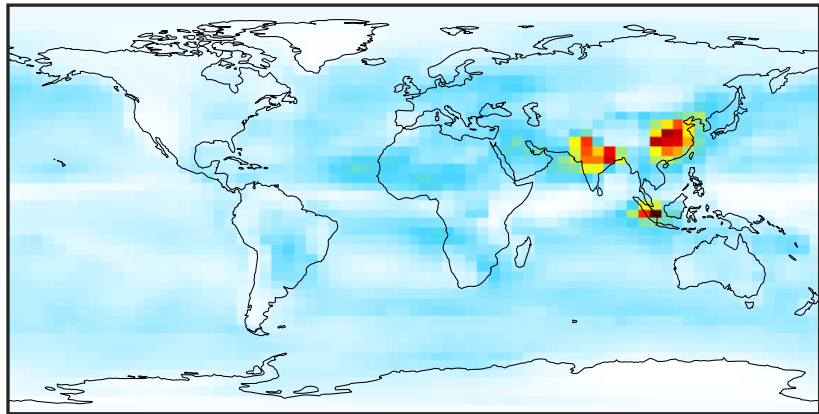


Ratio (1x1.25)
Dev/Ref, Fixed Range



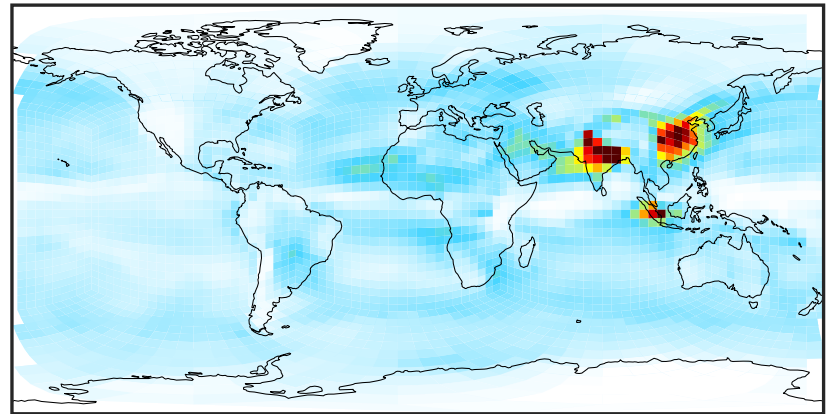
Column_AOD_Total (Oct2019)

GCC_14.2.0 (Ref)
4.0x5.0



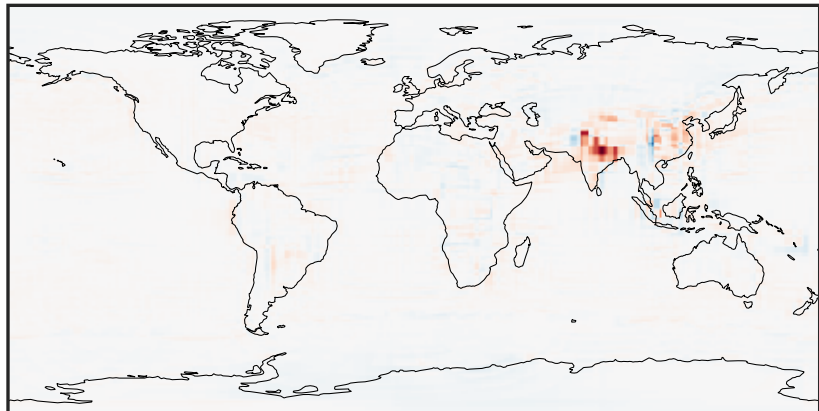
0.0138 0.1907 0.3815 0.5722 0.7767
1

GCHP_14.2.0 (Dev)
c24



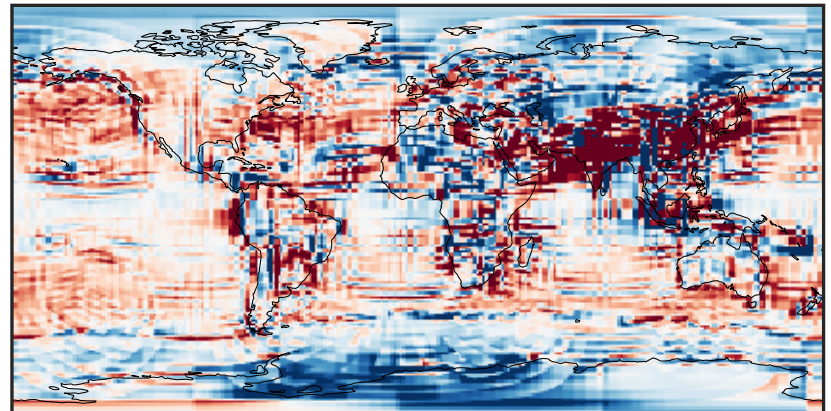
0.0138 0.1907 0.3815 0.5722 0.7767
1

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



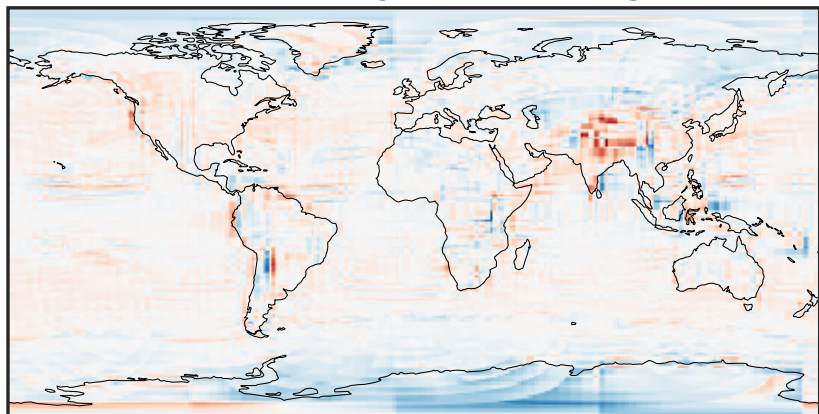
-0.527 -0.263 0.000 0.263 0.527
1

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



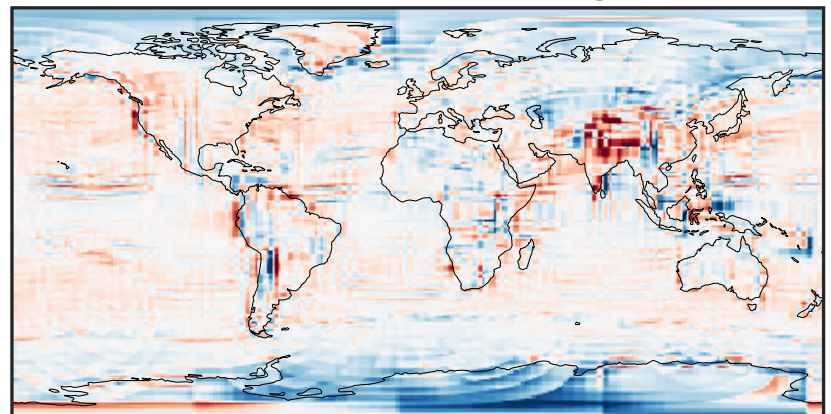
-0.01 0.00 0.01
1

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



0.271 0.636 1.000 2.342 3.684
unitless

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



0.50 0.75 1.00 1.50 2.00
unitless