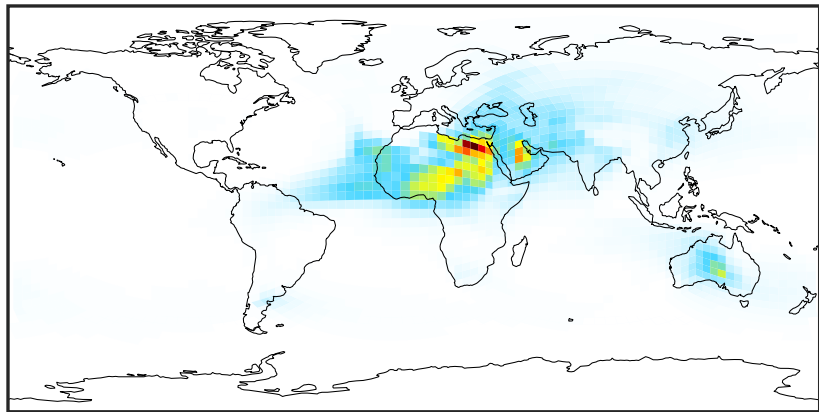


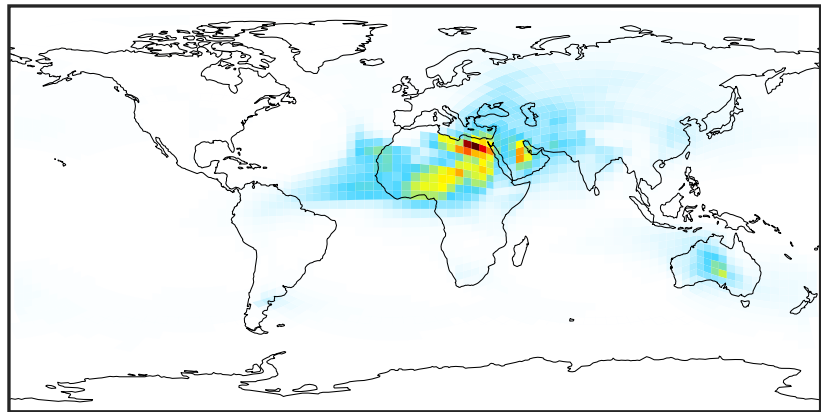
Column_AOD_Dust (Jan2019)

GCHP_14.0.0 (Ref)
c24



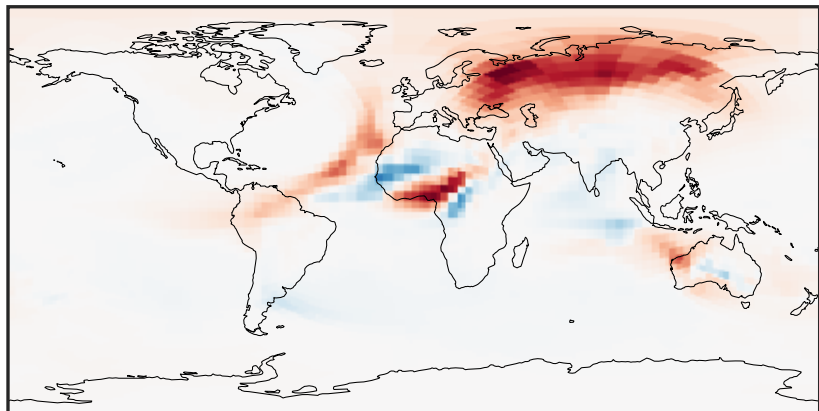
0.0001 0.0708 0.1417 0.2125 0.2834
1

GCHP_14.2.0 (Dev)
c24



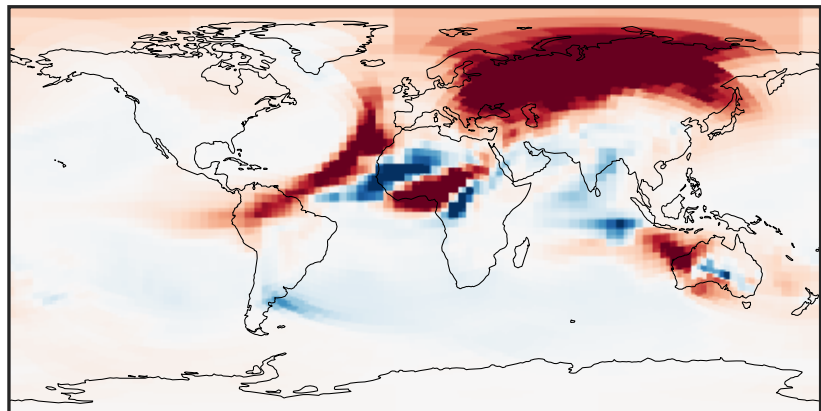
0.0001 0.0708 0.1417 0.2125 0.2834
1

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



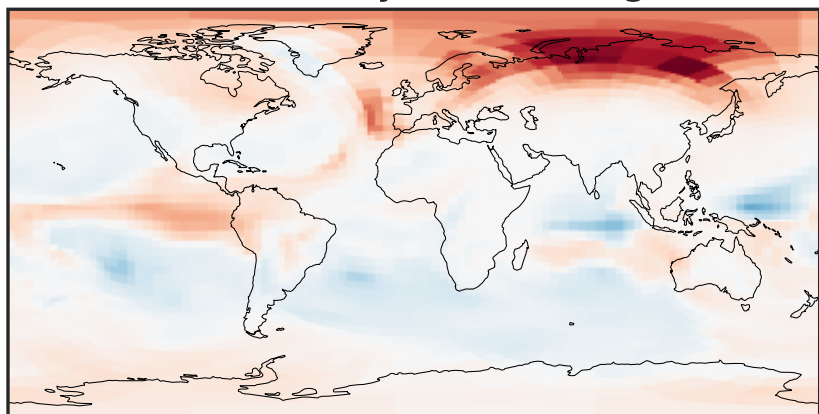
-0.002 0.000 0.002
1

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



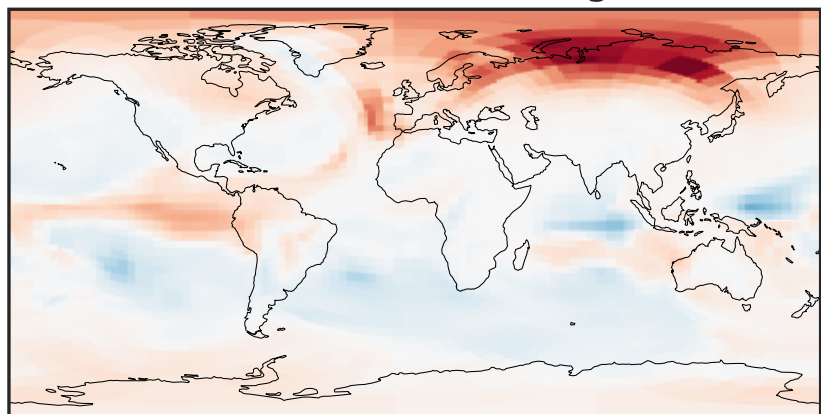
-0.0008 0.0000 0.0008
1

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



0.513 0.756 1.000 1.476 1.951
unitless

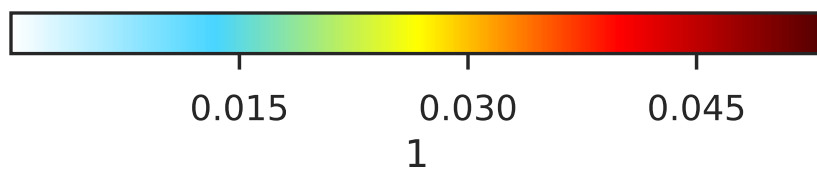
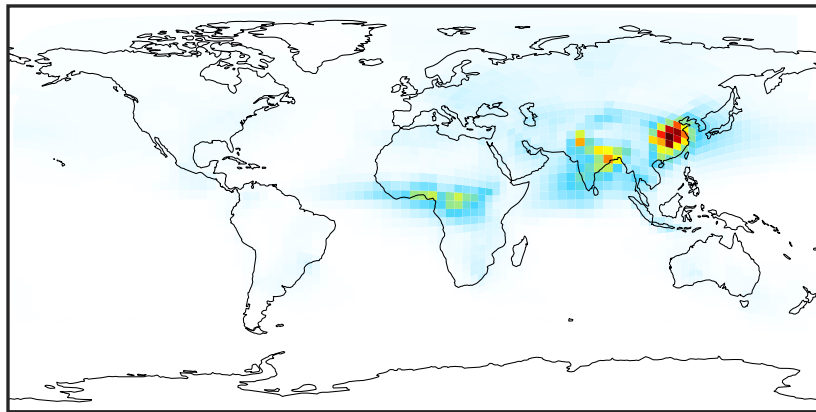
Ratio (1x1.25)
Dev/Ref, Fixed Range



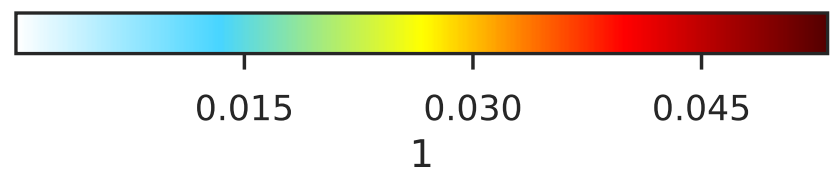
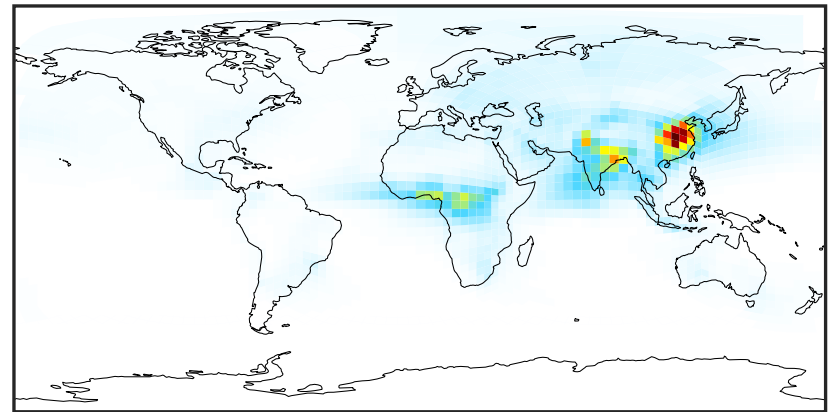
0.50 0.75 1.00 1.50 2.00
unitless

Column_AOD_BCPI (Jan2019)

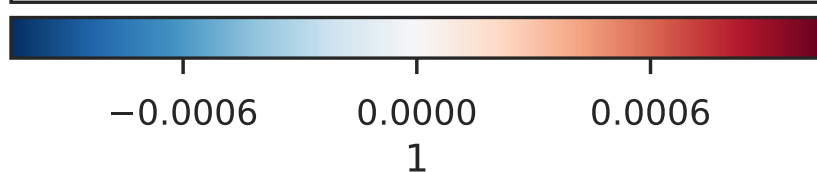
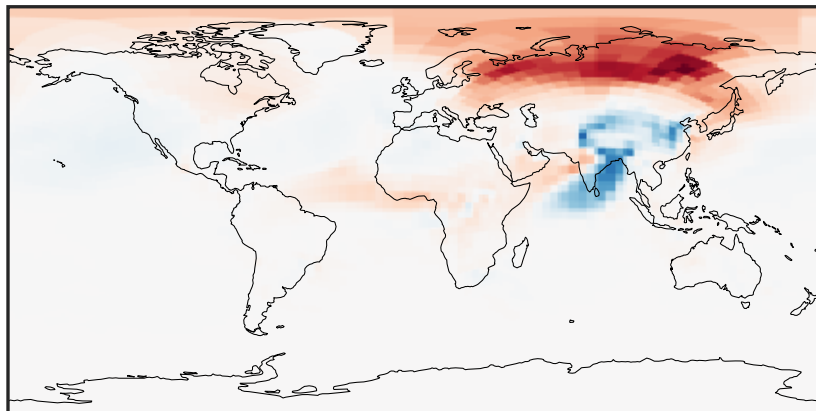
GCHP_14.0.0 (Ref)
c24



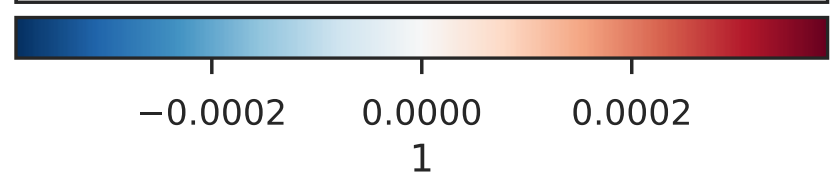
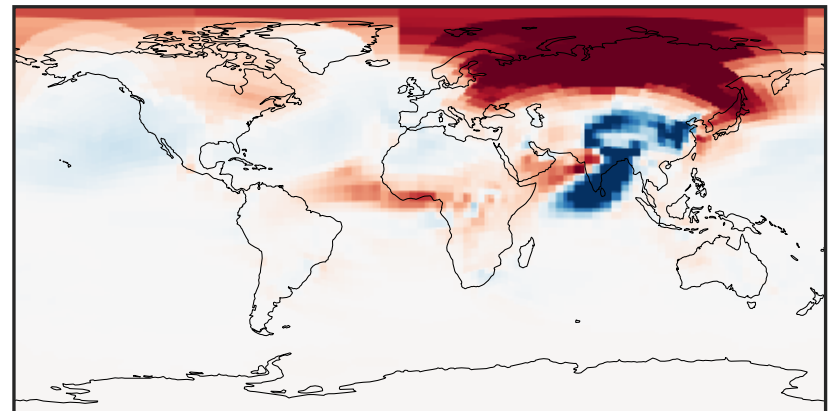
GCHP_14.2.0 (Dev)
c24



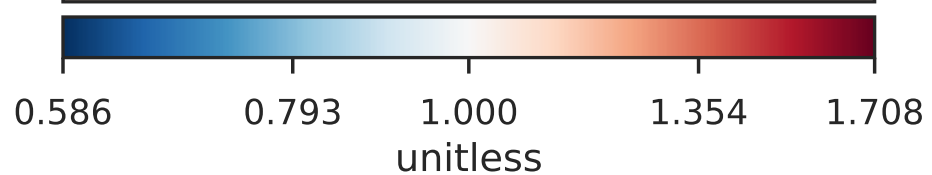
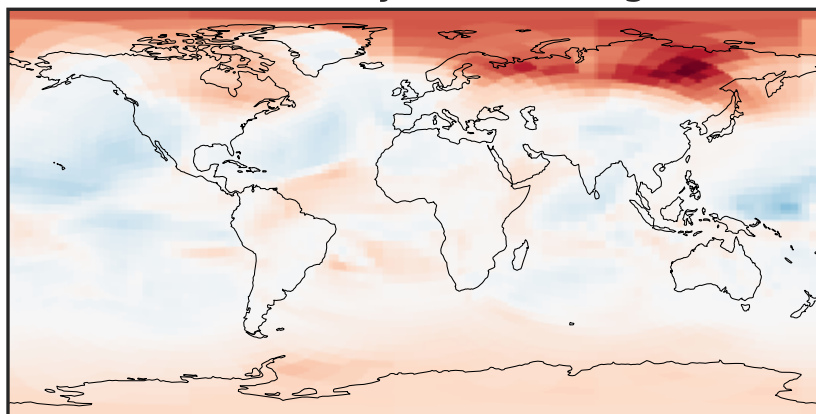
Difference (1x1.25)
Dev - Ref, Dynamic Range



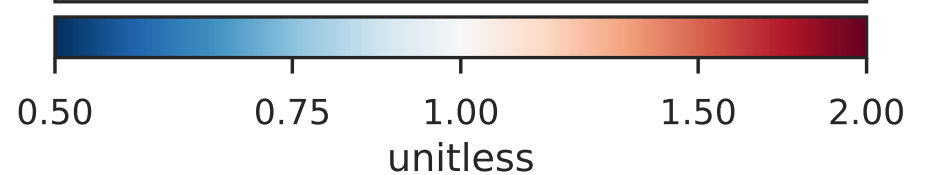
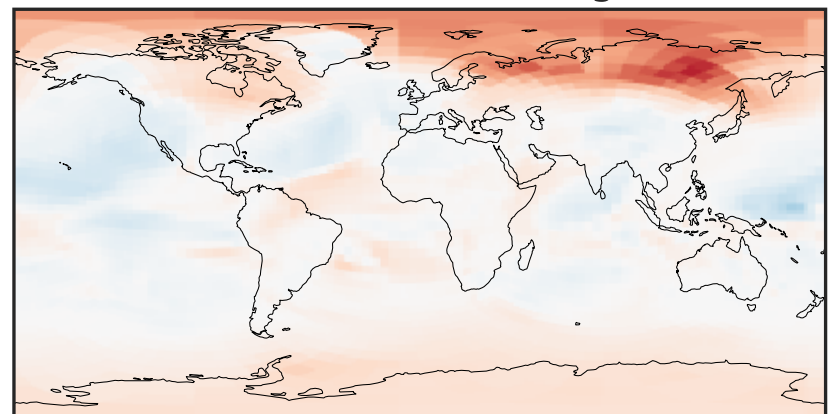
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

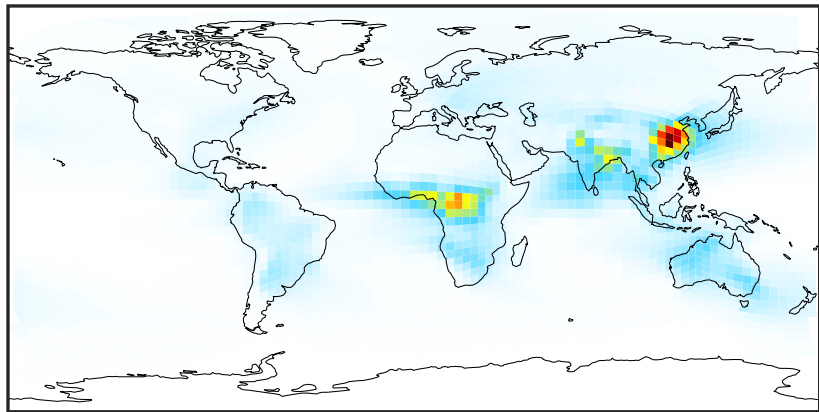


Ratio (1x1.25)
Dev/Ref, Fixed Range



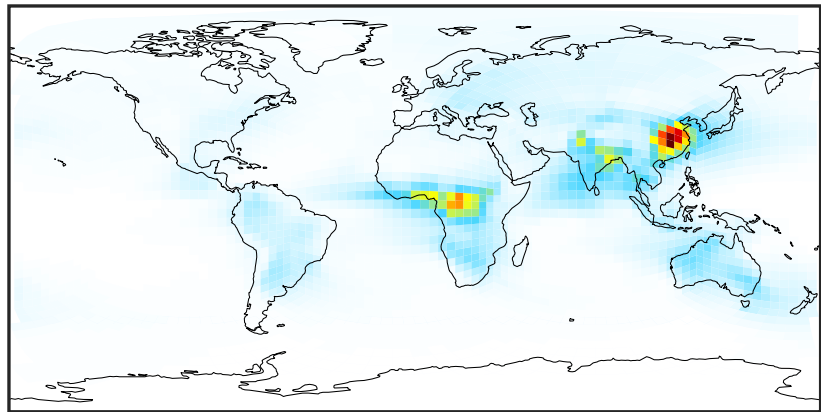
Column_AOD_OCPI (Jan2019)

GCHP_14.0.0 (Ref)
c24



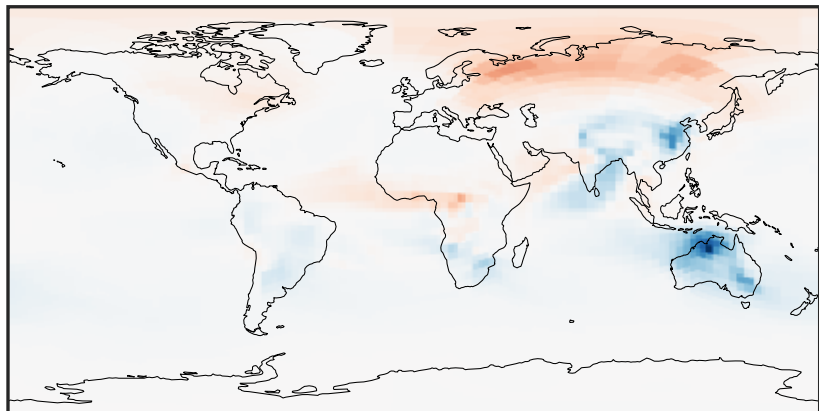
0.0005 0.1096 0.2192 0.3288 0.4389
1

GCHP_14.2.0 (Dev)
c24



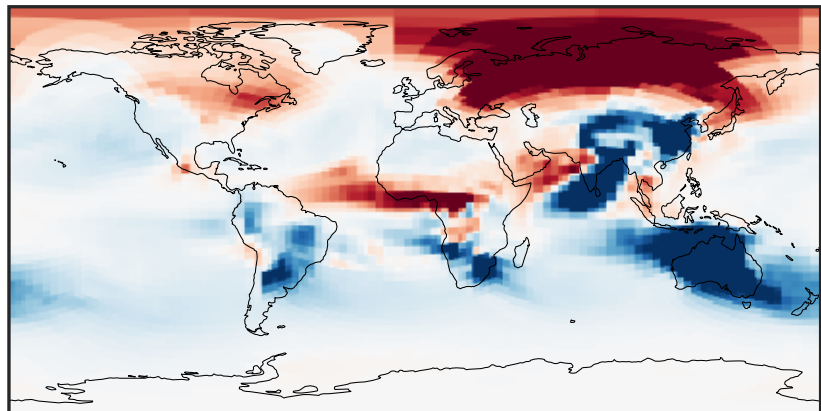
0.0005 0.1096 0.2192 0.3288 0.4389
1

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



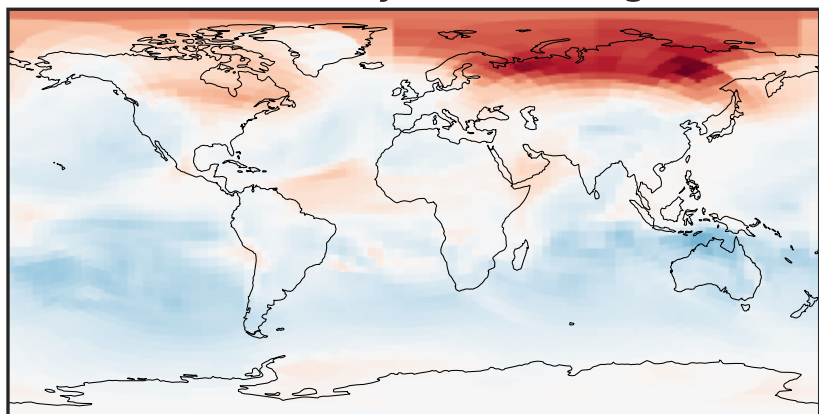
-0.008 0.000 0.008
1

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



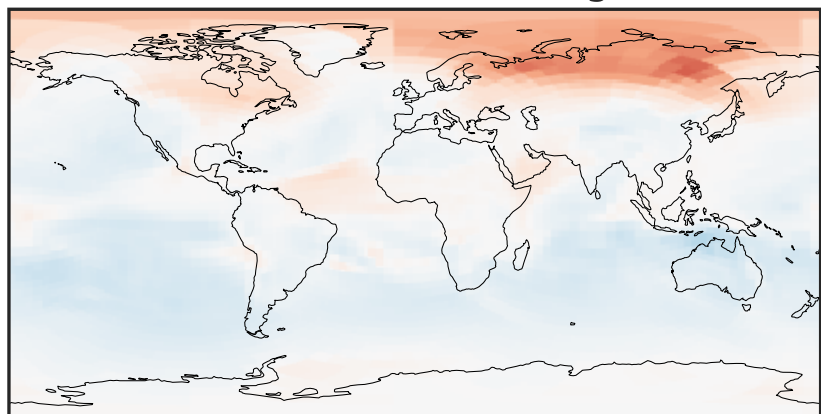
-0.0015 0.0000 0.0015
1

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



0.6616 0.8308 1.0000 1.2558 1.5116
unitless

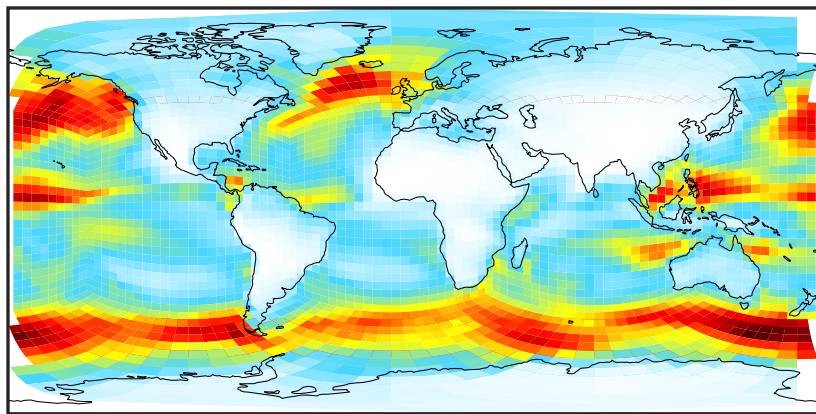
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

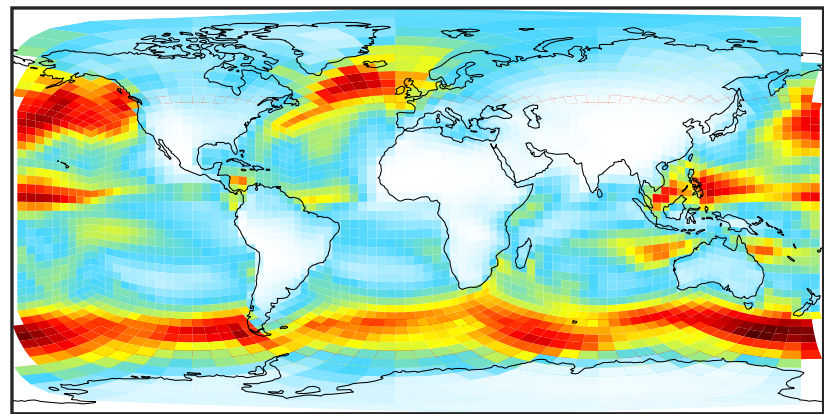
Column_AOD_SALA (Jan2019)

GCHP_14.0.0 (Ref)
c24



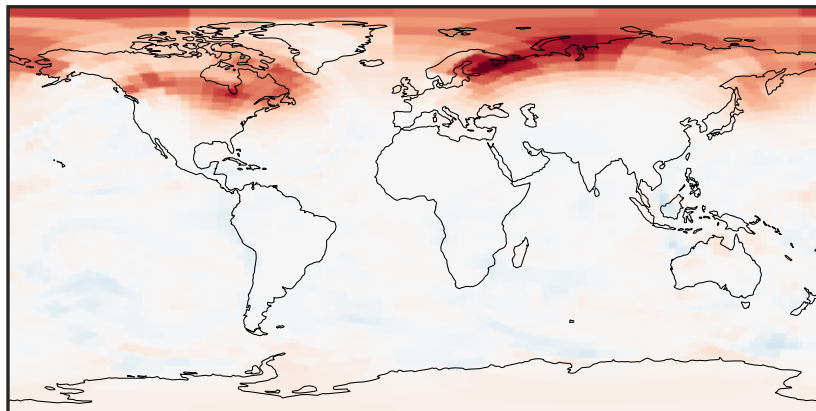
0.015 0.030 0.045
1

GCHP_14.2.0 (Dev)
c24



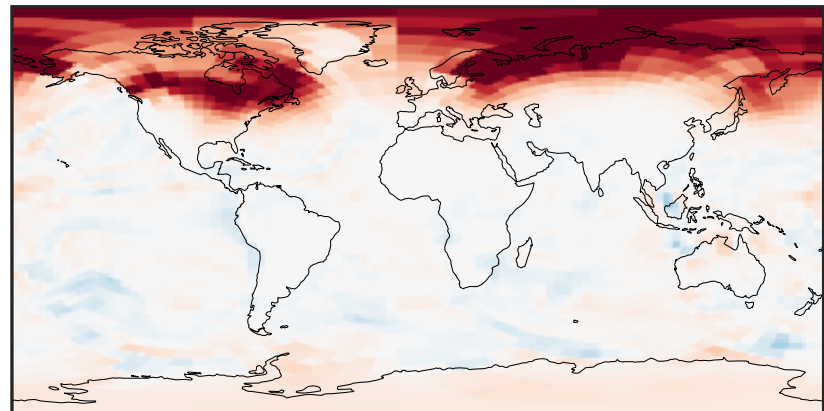
0.015 0.030 0.045
1

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



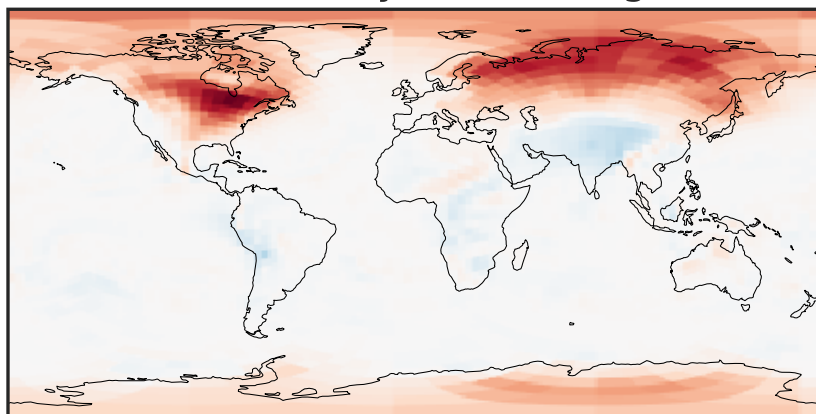
-0.002 0.000 0.002
1

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



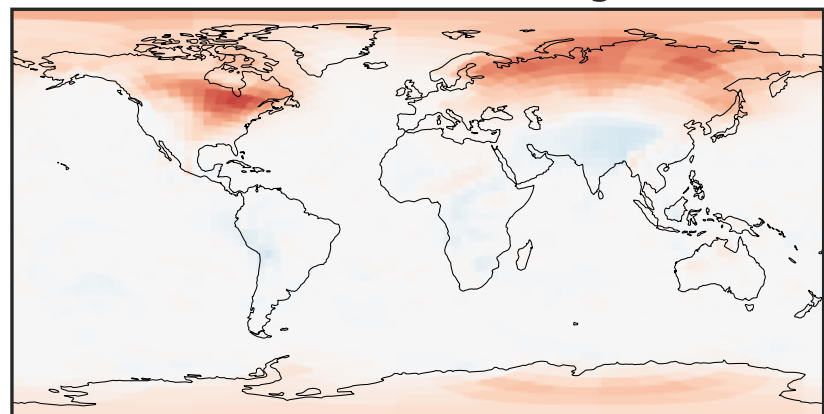
-0.0015 0.0000 0.0015
1

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



0.6261 0.8131 1.0000 1.2986 1.5971
unitless

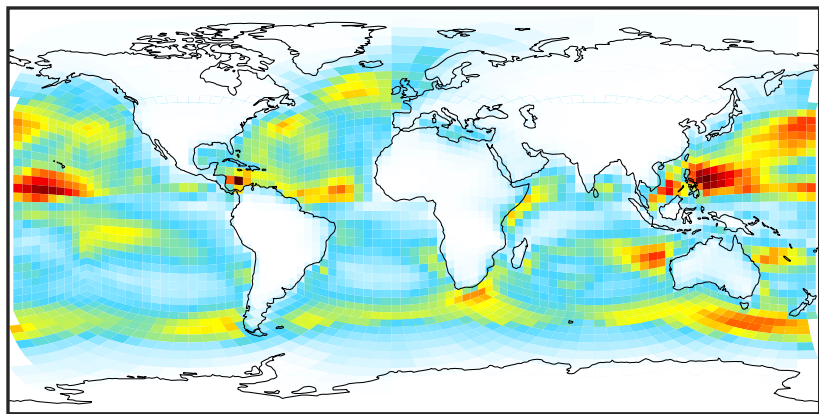
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

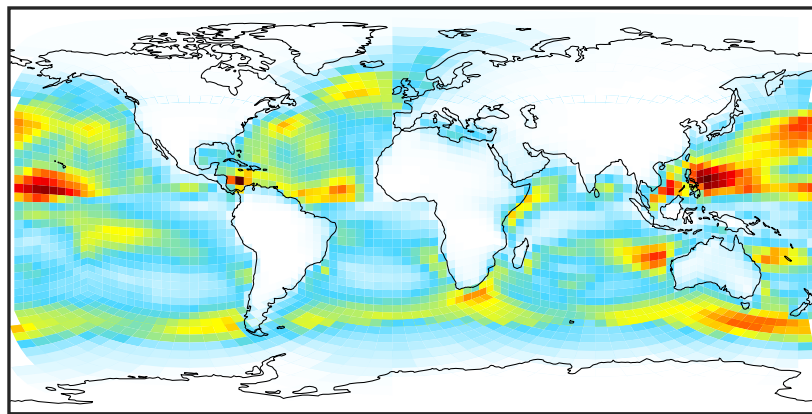
Column_AOD_SALC (Jan2019)

GCHP_14.0.0 (Ref)
c24



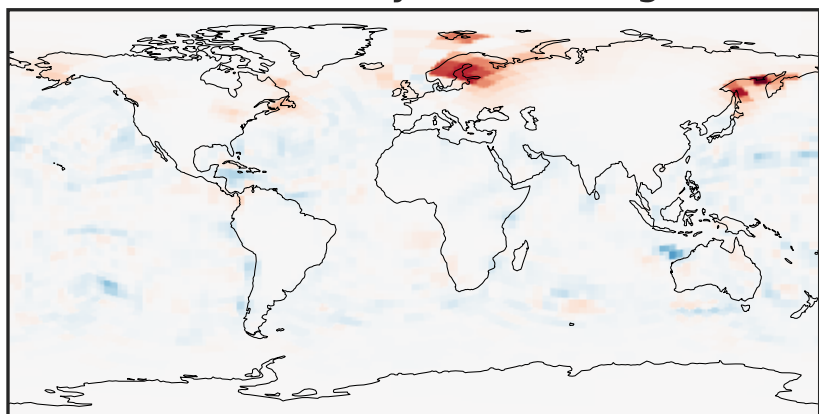
0.0000 0.0338 0.0676 0.1013 0.1351
1

GCHP_14.2.0 (Dev)
c24



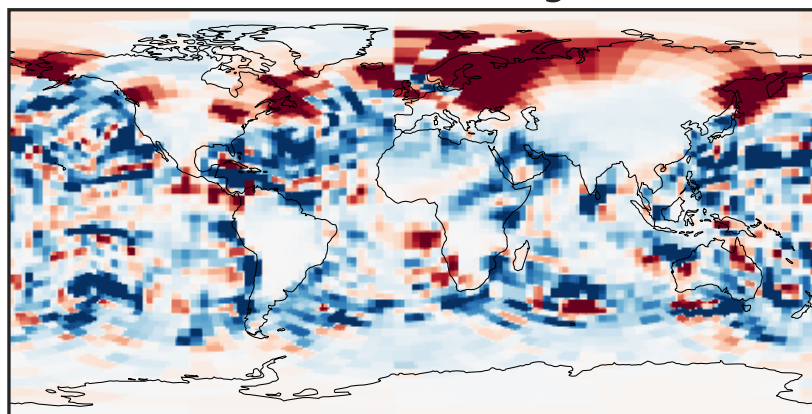
0.0000 0.0338 0.0676 0.1013 0.1351
1

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



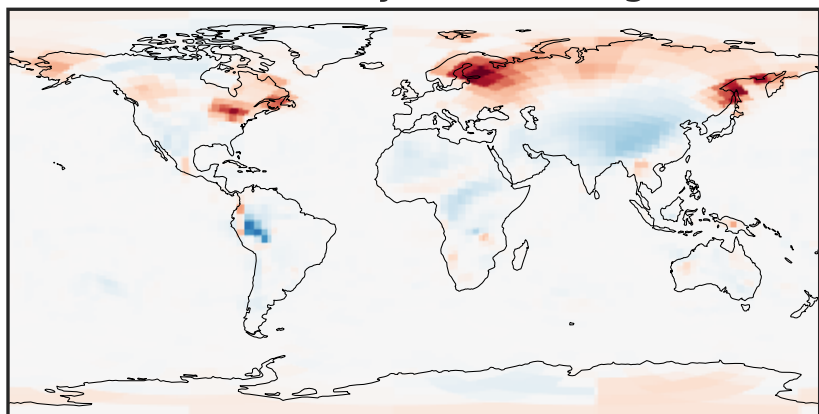
-0.0015 0.0000 0.0015
1

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



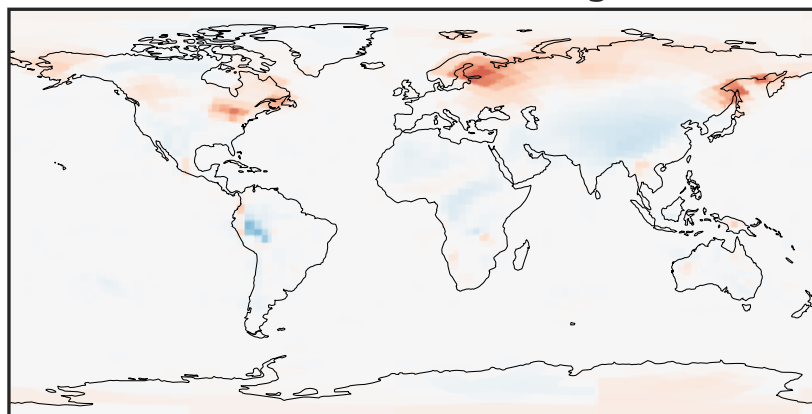
-0.0001 0.0000 0.0001
1

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



0.6641 0.8320 1.0000 1.2529 1.5058
unitless

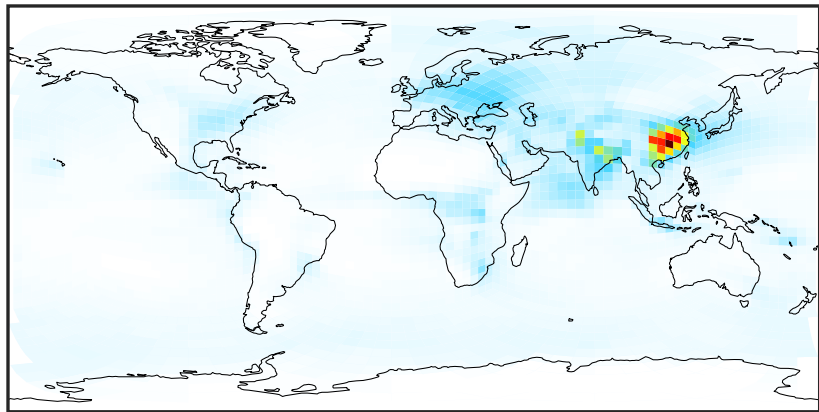
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

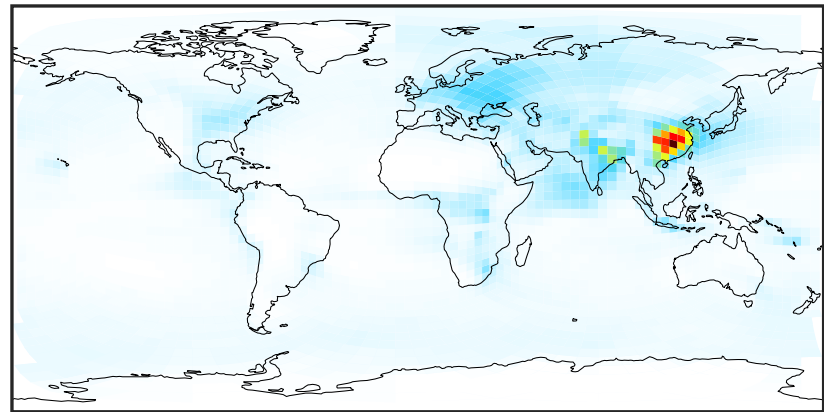
Column_AOD_SO4 (Jan2019)

GCHP_14.0.0 (Ref)
c24



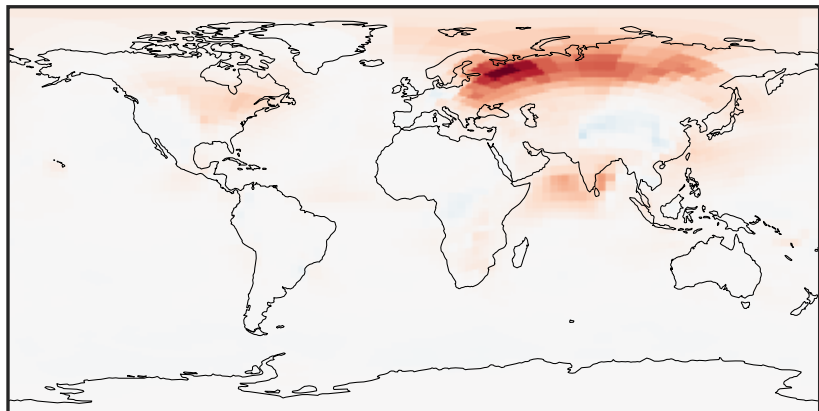
0.0028 0.2260 0.4520 0.6780 0.9069
1

GCHP_14.2.0 (Dev)
c24



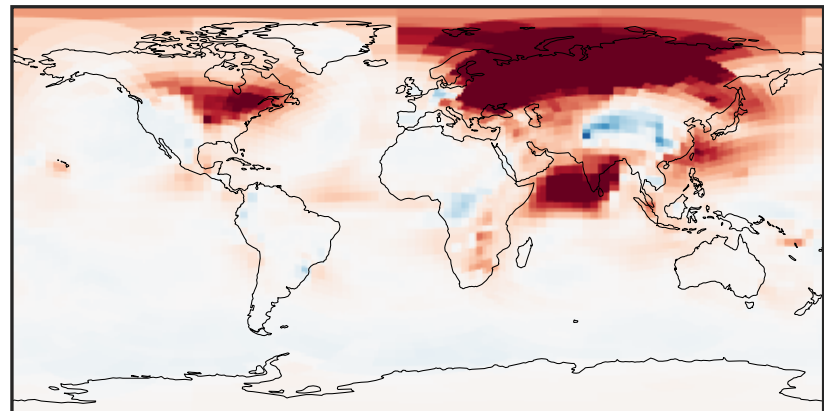
0.0028 0.2260 0.4520 0.6780 0.9069
1

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



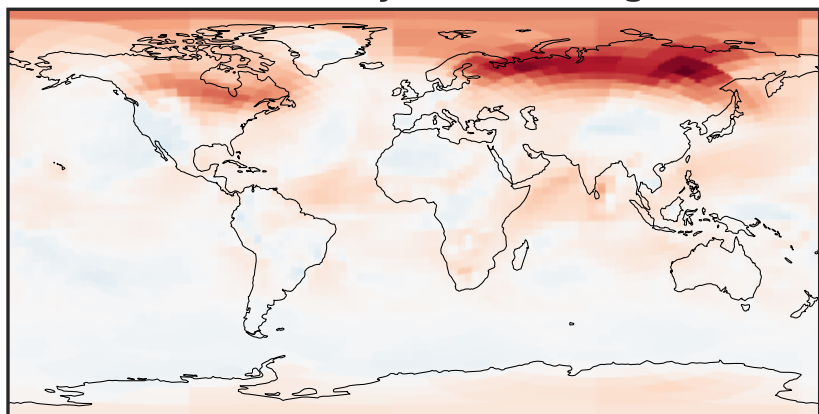
-0.0537 -0.0269 0.0000 0.0269 0.0537
1

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



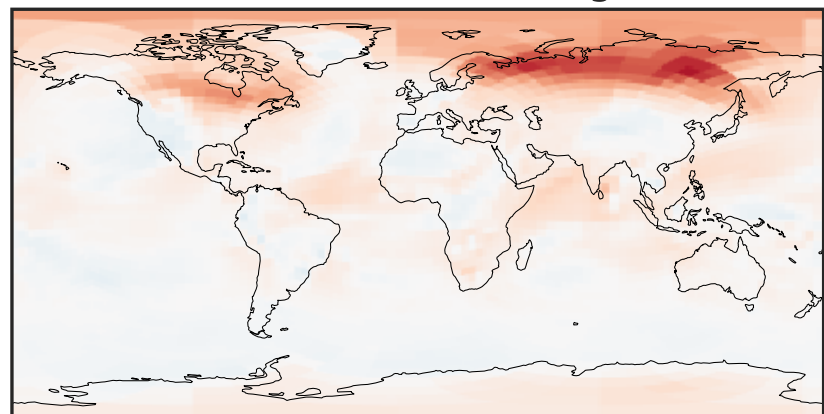
-0.006 0.000 0.006
1

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



0.572 0.786 1.000 1.374 1.748
unitless

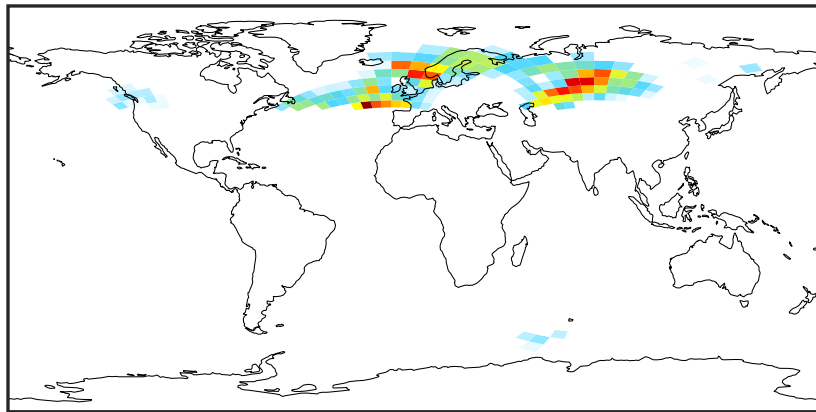
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

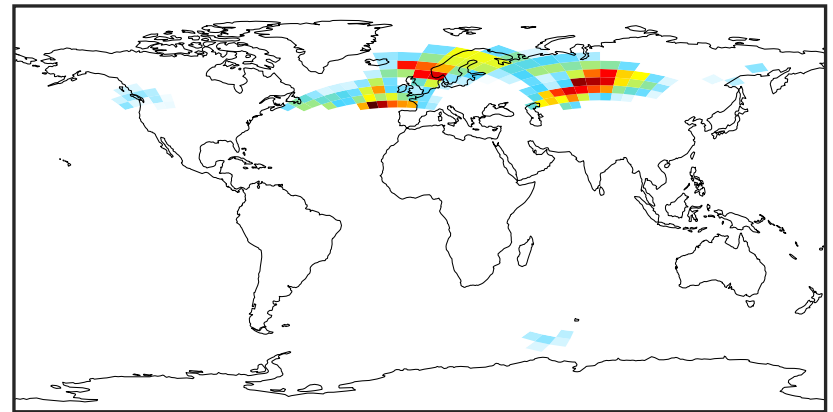
Column_AOD_Polar_Strat_Cloud (Jan2019)

GCHP_14.0.0 (Ref)
c24



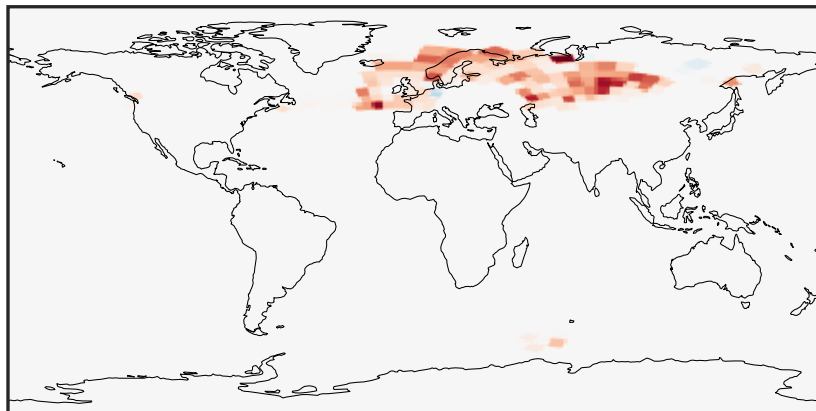
0.0000 0.0015 0.0030 0.0045
1

GCHP_14.2.0 (Dev)
c24



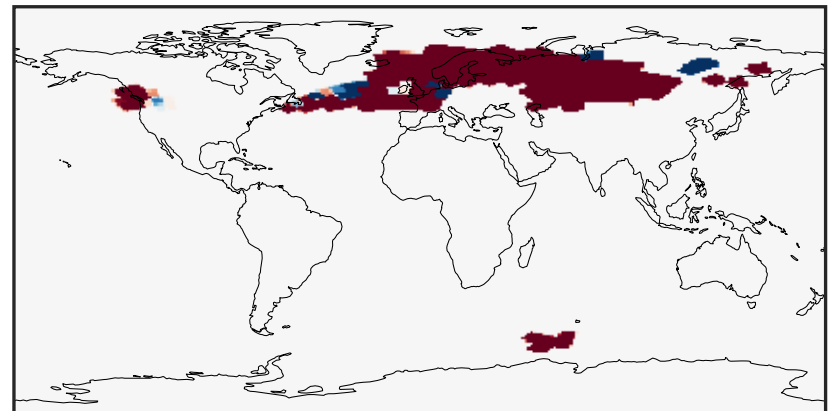
0.0000 0.0015 0.0030 0.0045
1

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



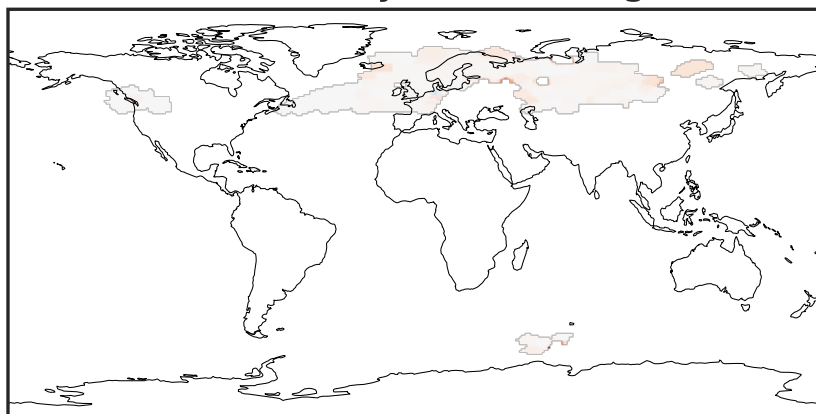
-0.0006 0.0000 0.0006
1

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



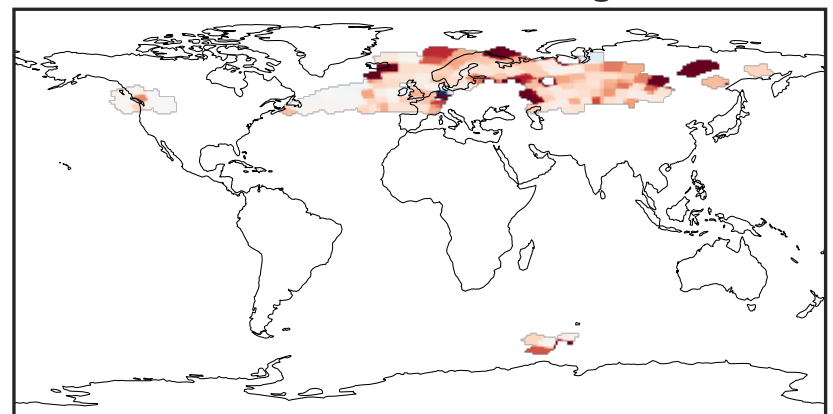
-2 0 2
1 1e-6

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



unitless

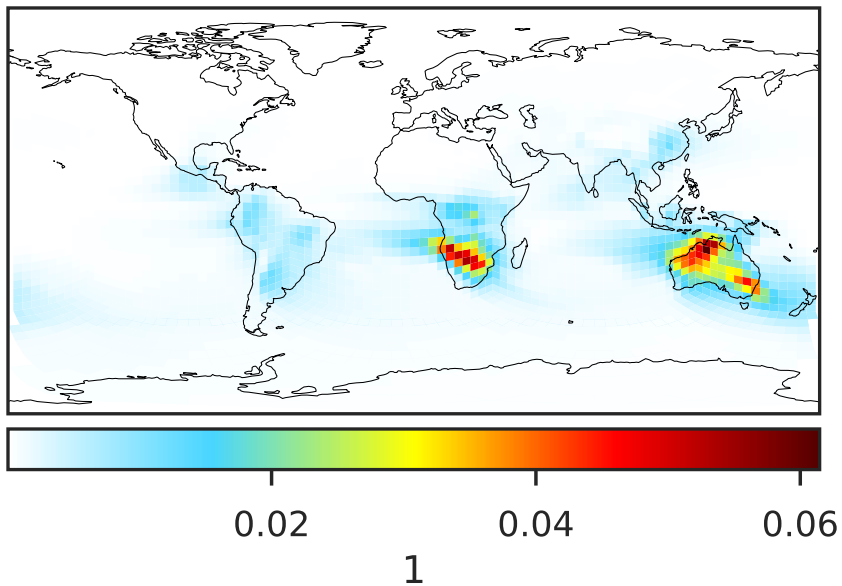
Ratio (1x1.25)
Dev/Ref, Fixed Range



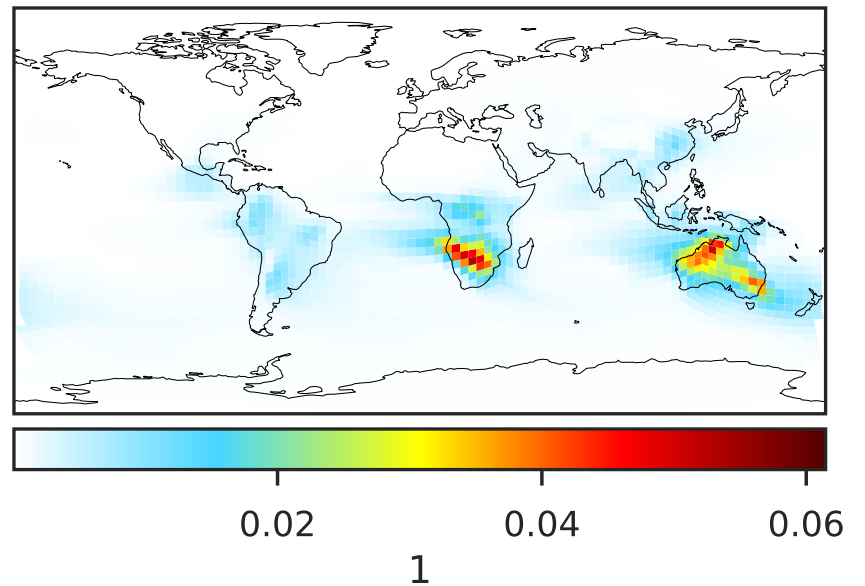
0.50 0.75 1.00 1.50 2.00
unitless

Column_AOD_SOA_from_Aqueous_ISOP (Jan2019)

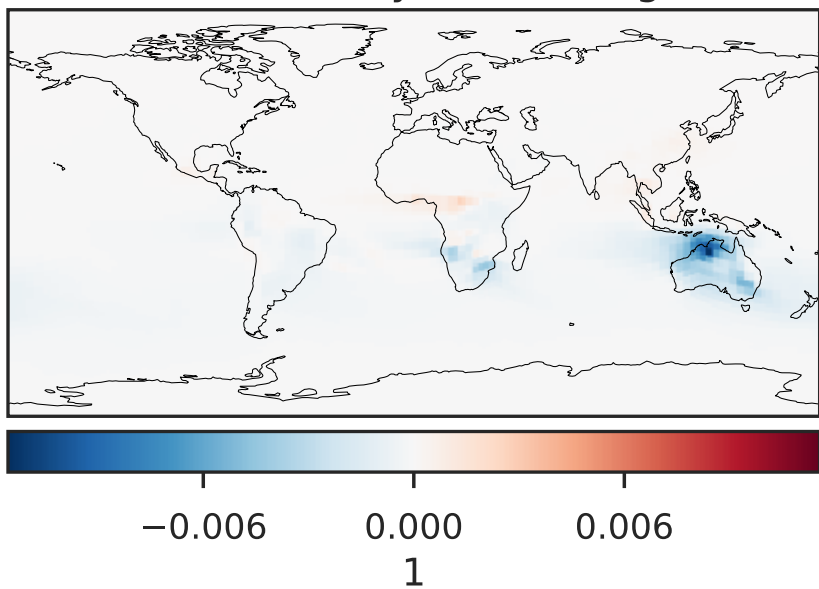
GCHP_14.0.0 (Ref)
c24



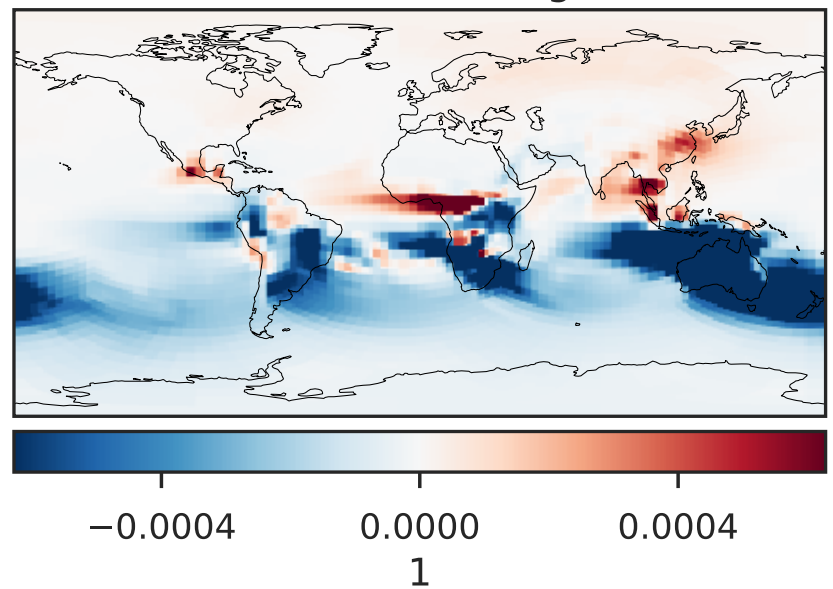
GCHP_14.2.0 (Dev)
c24



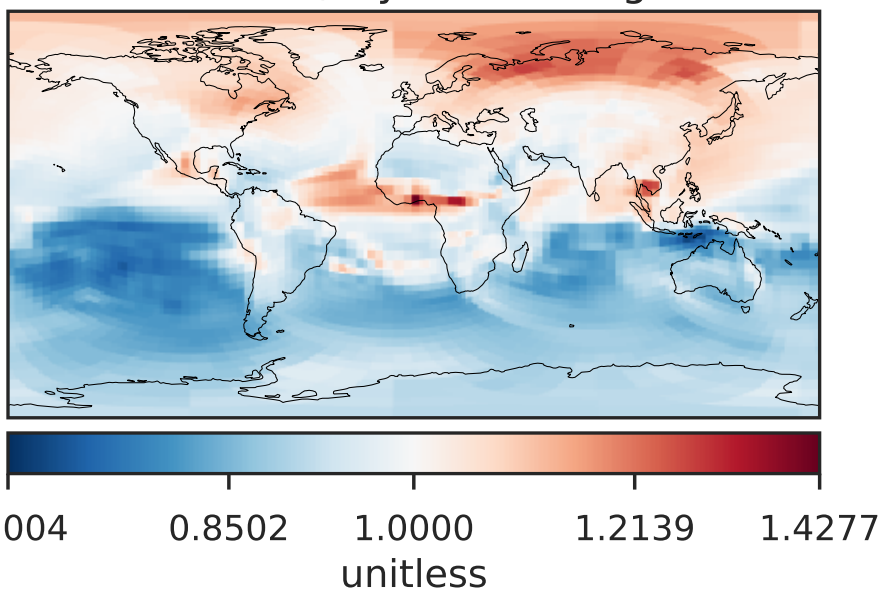
Difference (1x1.25)
Dev - Ref, Dynamic Range



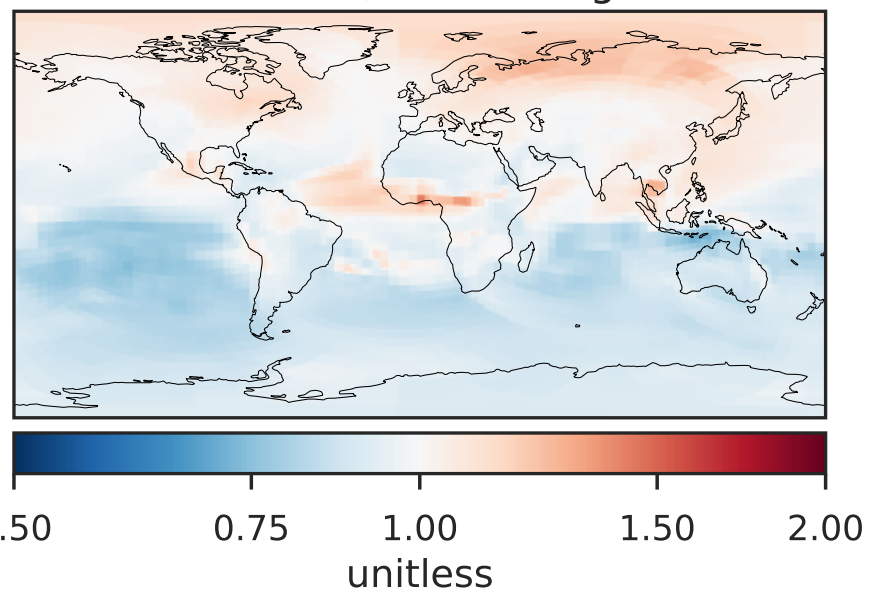
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

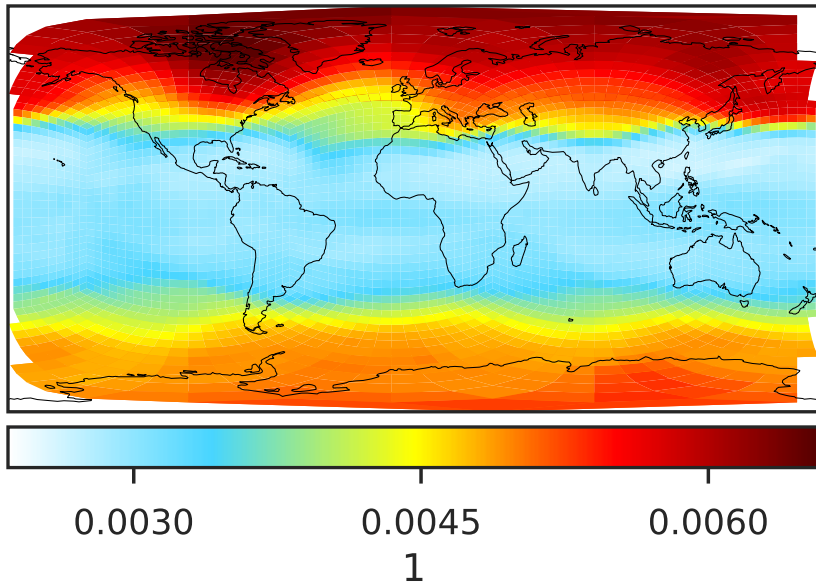


Ratio (1x1.25)
Dev/Ref, Fixed Range

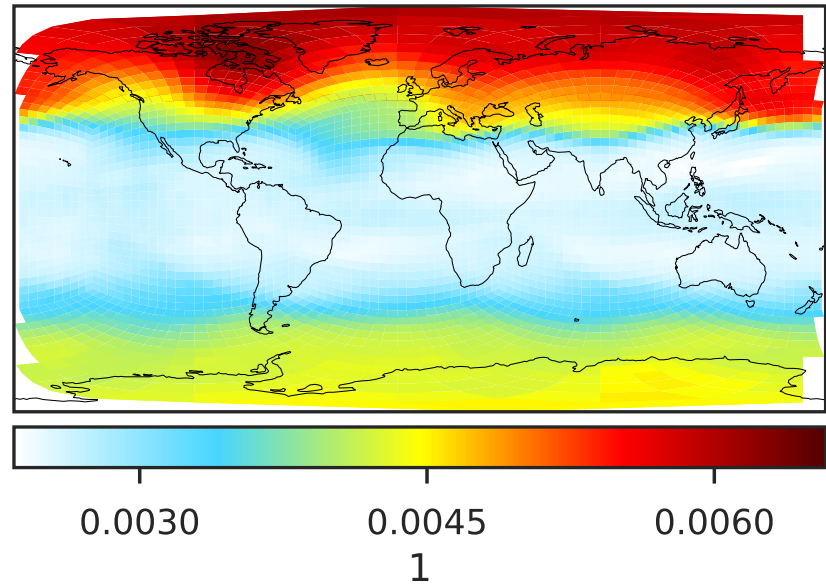


Column_AOD_Strat_Liquid_Aerosol (Jan2019)

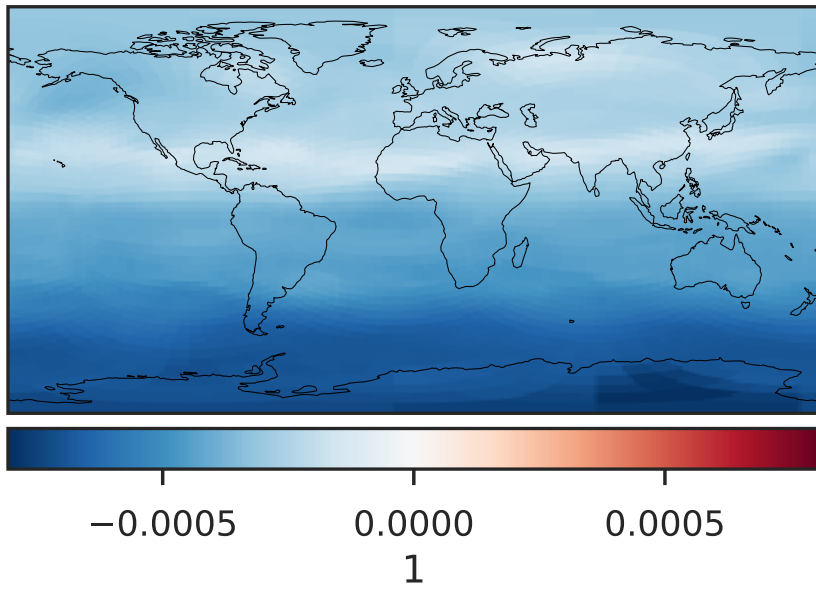
GCHP_14.0.0 (Ref)
c24



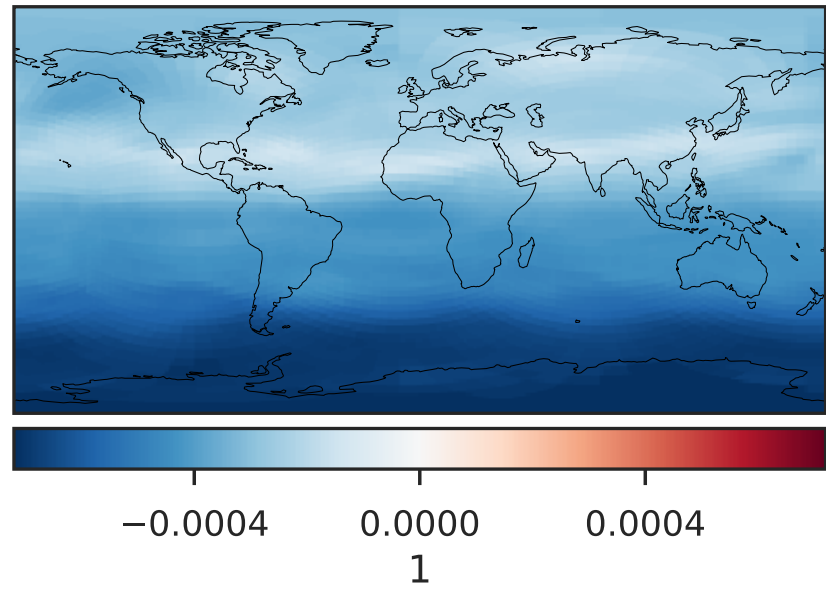
GCHP_14.2.0 (Dev)
c24



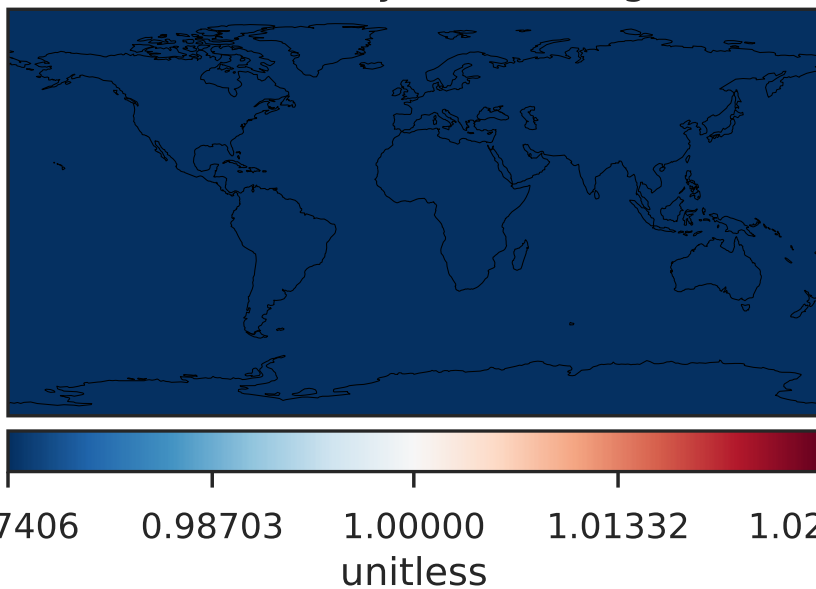
Difference (1x1.25)
Dev - Ref, Dynamic Range



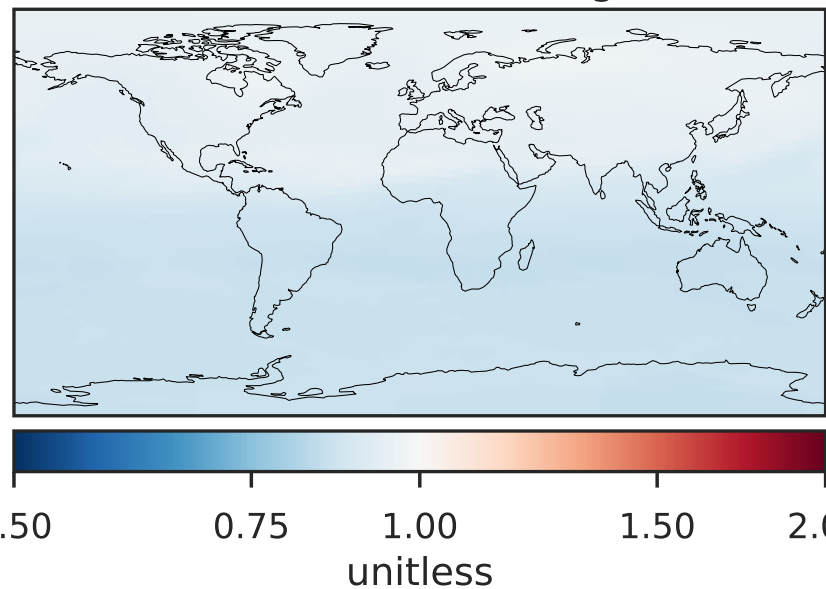
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

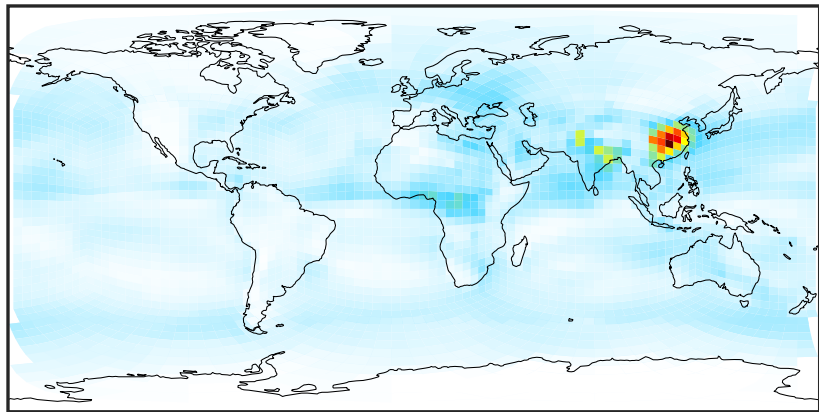


Ratio (1x1.25)
Dev/Ref, Fixed Range



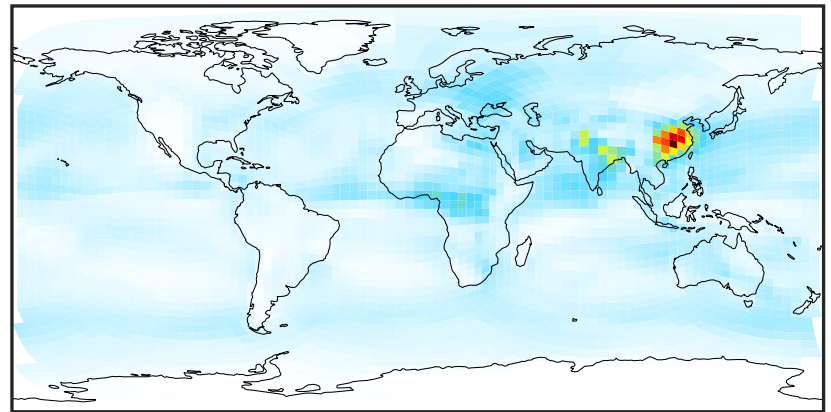
Column_AOD_Total (Jan2019)

GCHP_14.0.0 (Ref)
c24



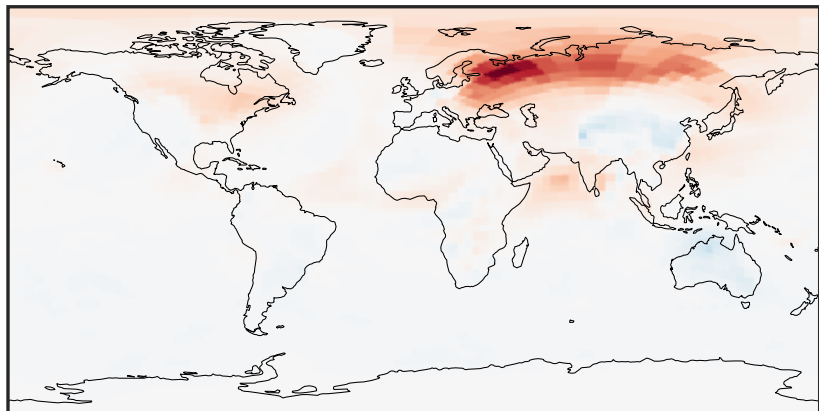
0.011 0.352 0.705 1.057 1.420
1

GCHP_14.2.0 (Dev)
c24



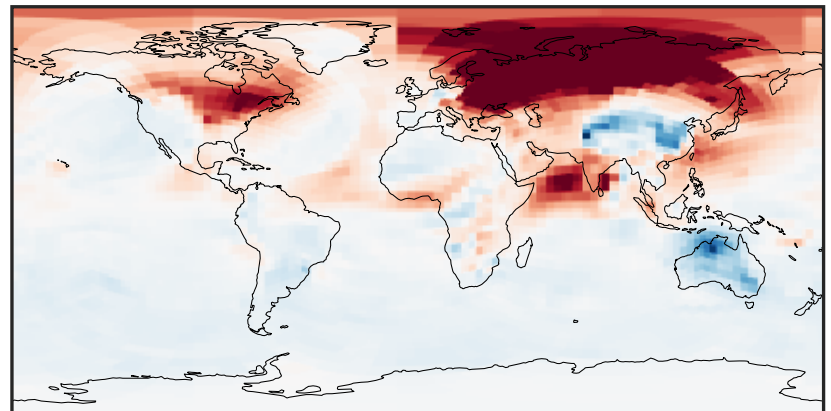
0.011 0.352 0.705 1.057 1.420
1

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



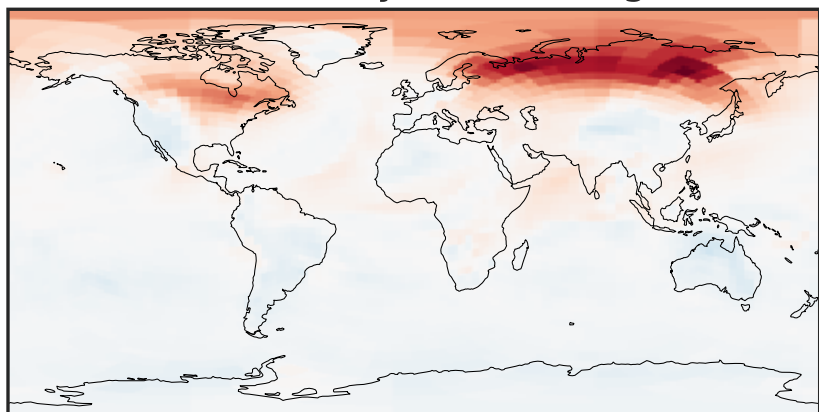
-0.0691 -0.0346 0.0000 0.0346 0.0691
1

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



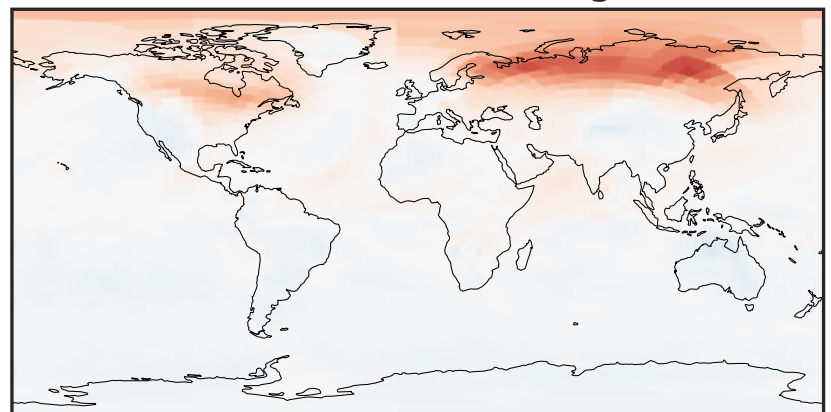
-0.01 0.00 0.01
1

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



0.6205 0.8102 1.0000 1.3058 1.6117
unitless

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



0.50 0.75 1.00 1.50 2.00
unitless