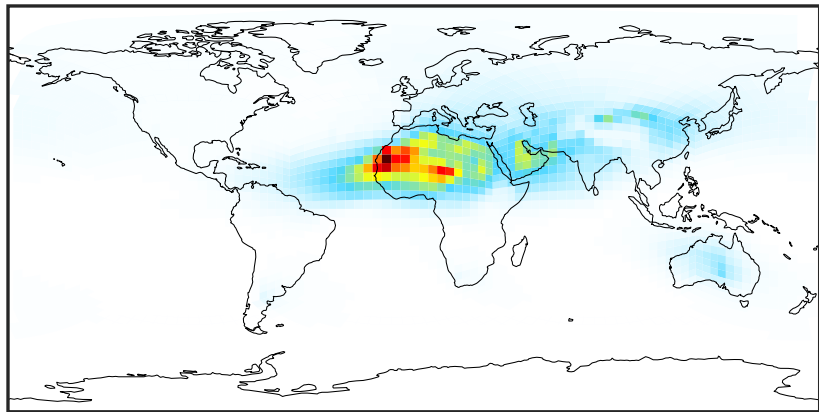


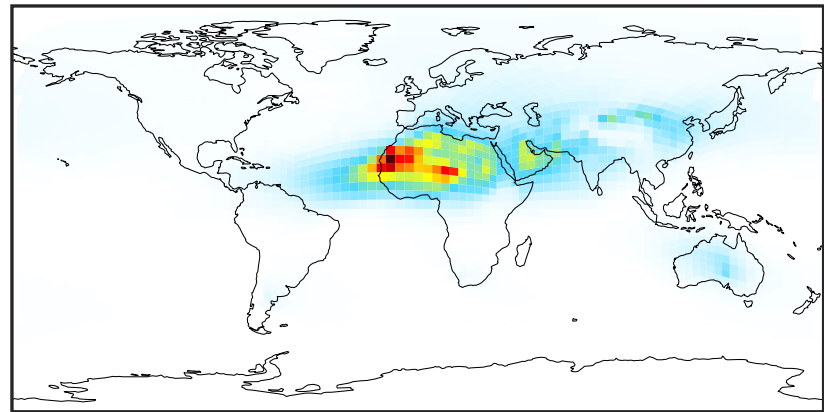
Column_AOD_Dust (AnnualMean)

GCHP_14.0.0 (Ref)
c24



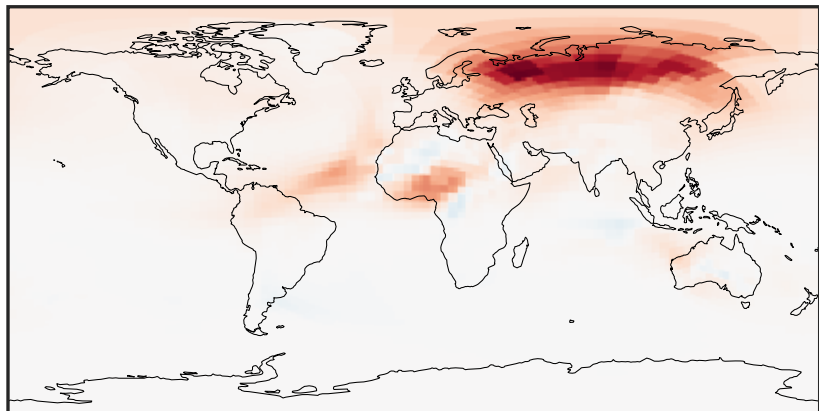
0.0001 0.0785 0.1571 0.2356 0.3142
1

GCHP_14.2.0 (Dev)
c24



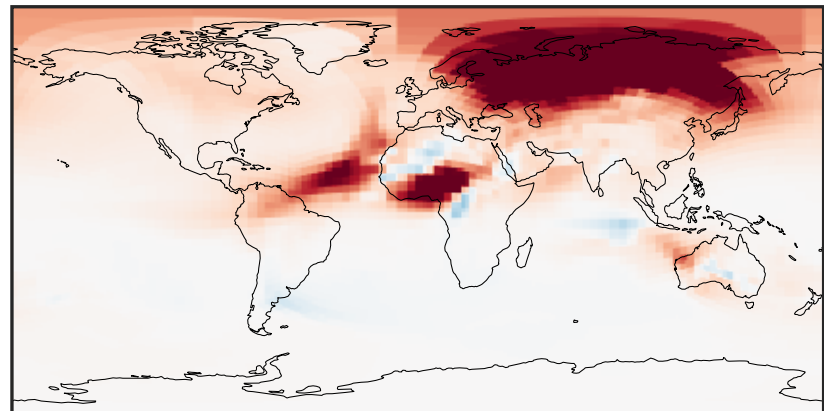
0.0001 0.0785 0.1571 0.2356 0.3142
1

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



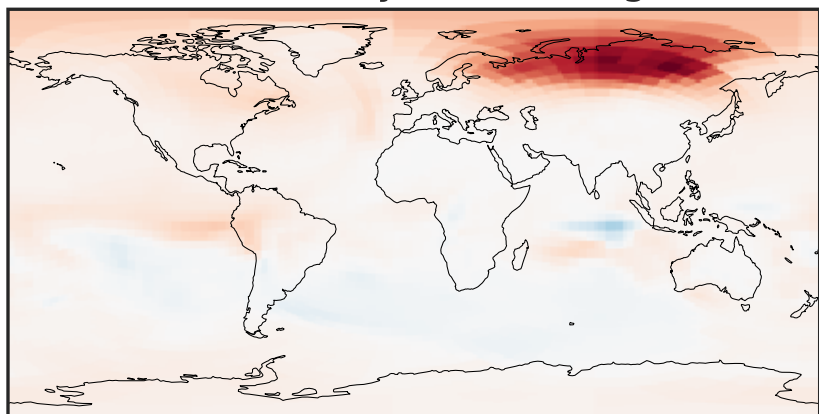
-0.0006 0.0000 0.0006
1

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



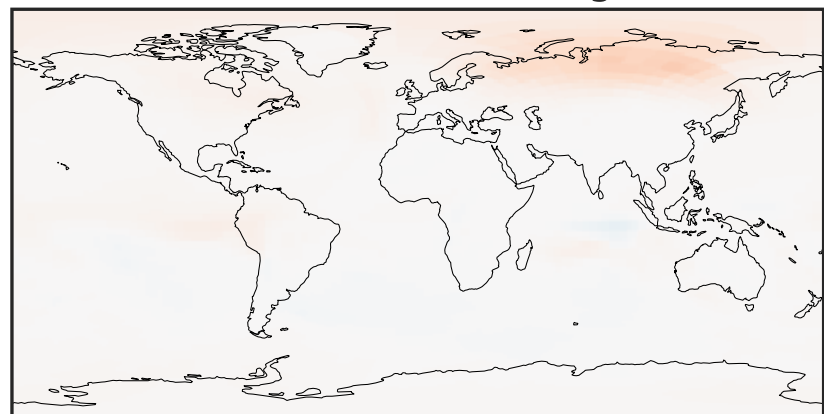
-0.0002 0.0000 0.0002
1

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



0.8399 0.9200 1.0000 1.0953 1.1906
unitless

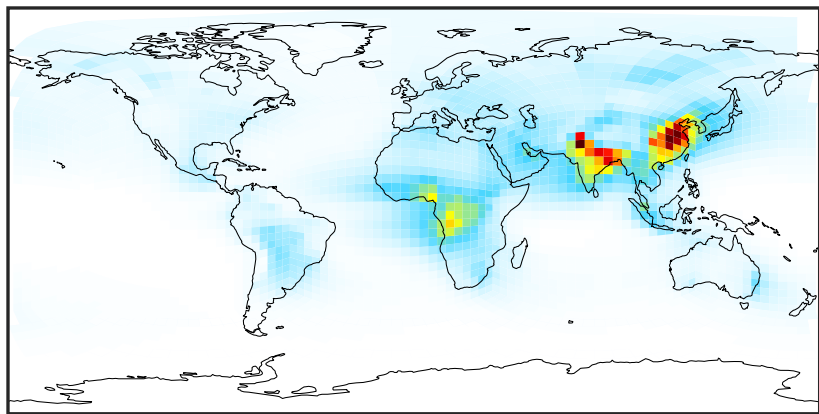
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

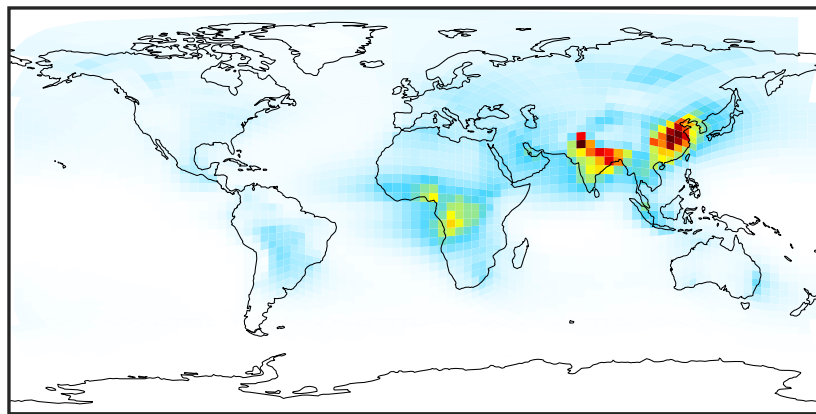
Column_AOD_BCPI (AnnualMean)

GCHP_14.0.0 (Ref)
c24



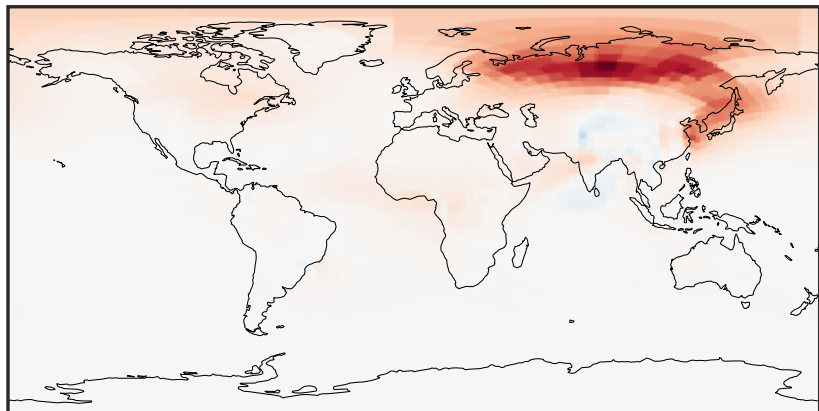
0.008 0.016 0.024
1

GCHP_14.2.0 (Dev)
c24



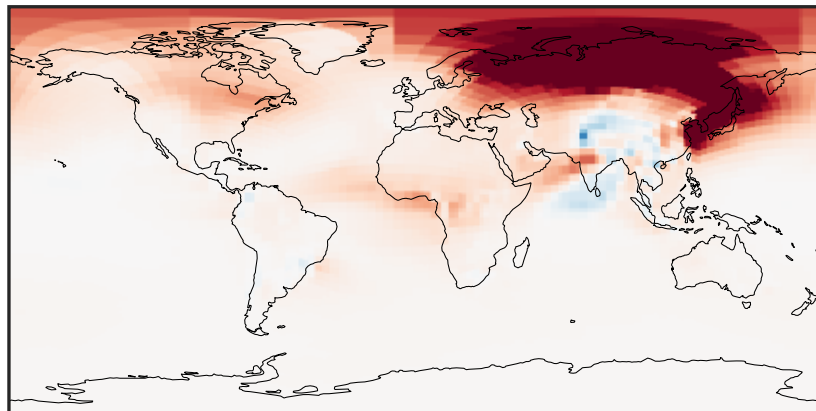
0.008 0.016 0.024
1

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



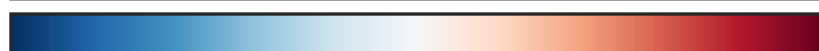
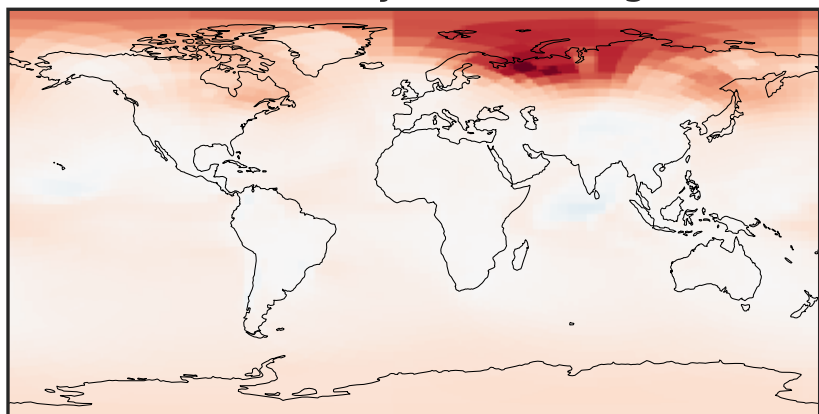
-0.0002 0.0000 0.0002
1

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



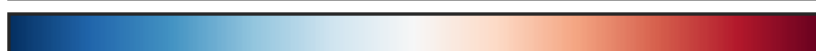
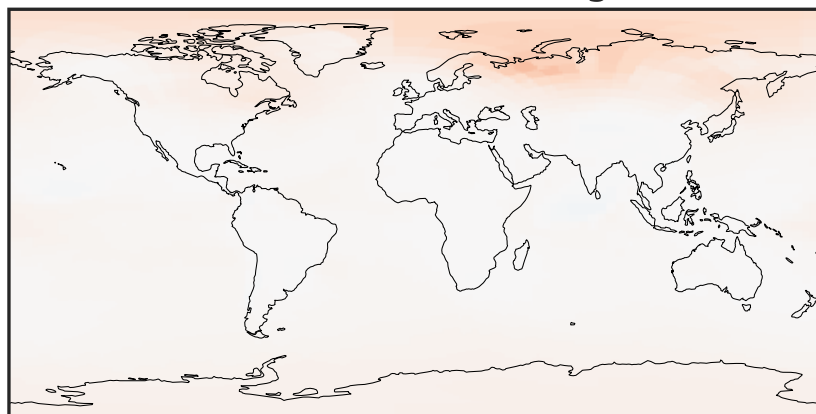
-8 0 8
1 $1e-5$

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



0.8118 0.9059 1.0000 1.1159 1.2318
unitless

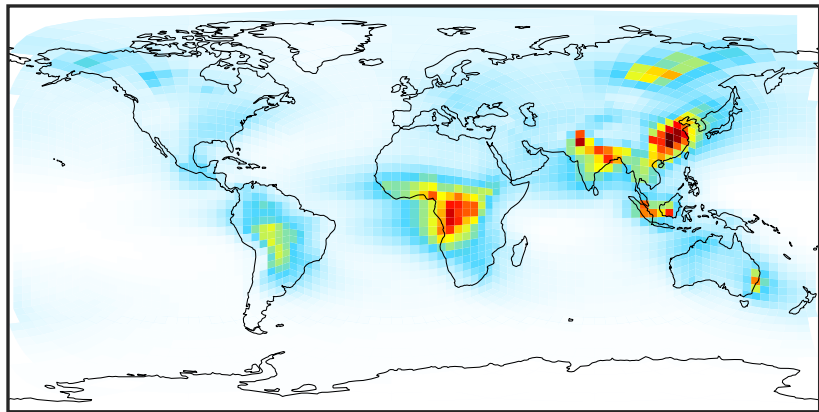
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

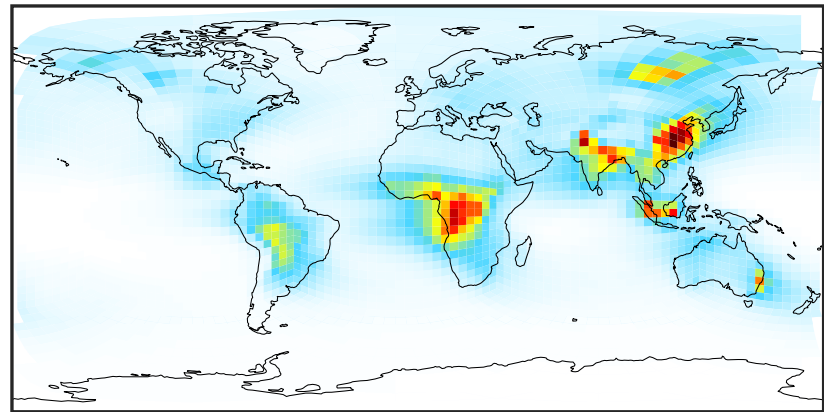
Column_AOD_OCPI (AnnualMean)

GCHP_14.0.0 (Ref)
c24



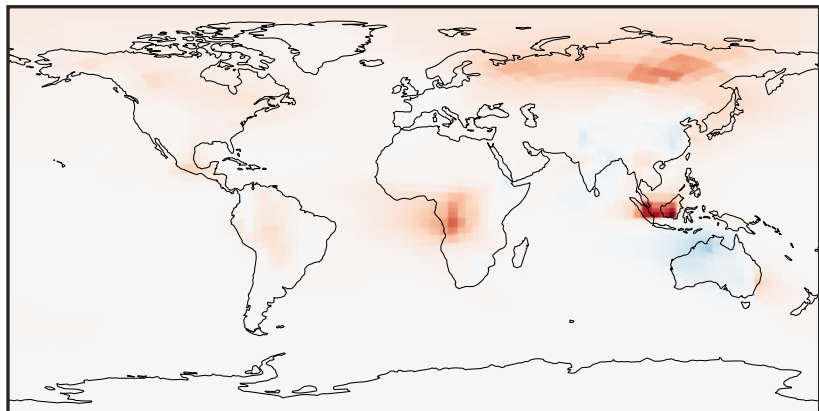
0.0009 0.0537 0.1074 0.1611 0.2157
1

GCHP_14.2.0 (Dev)
c24



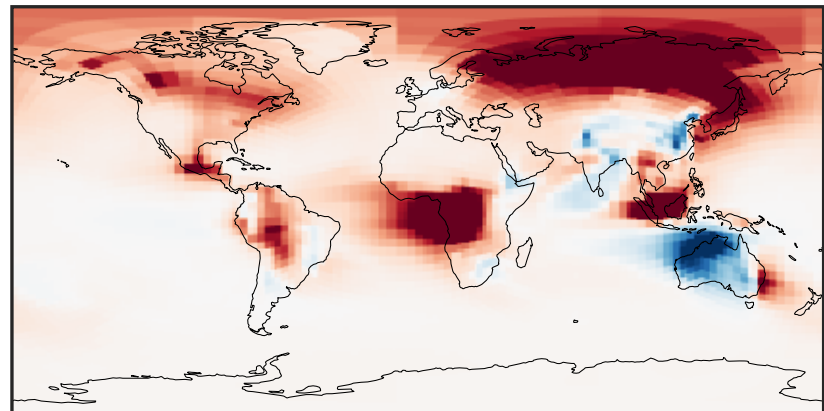
0.0009 0.0537 0.1074 0.1611 0.2157
1

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



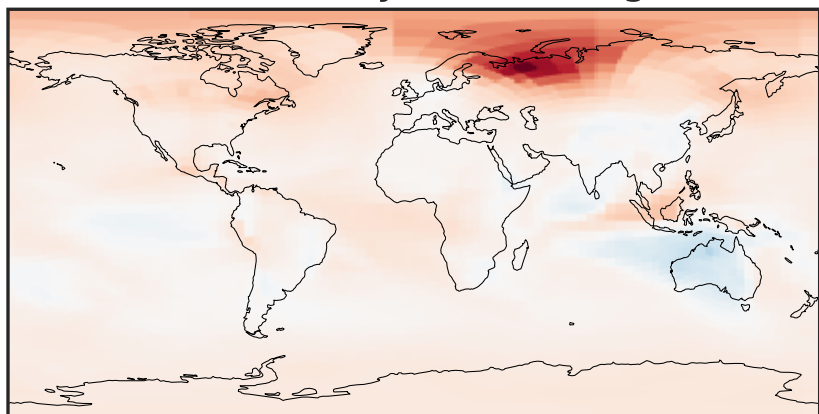
-0.004 0.000 0.004
1

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



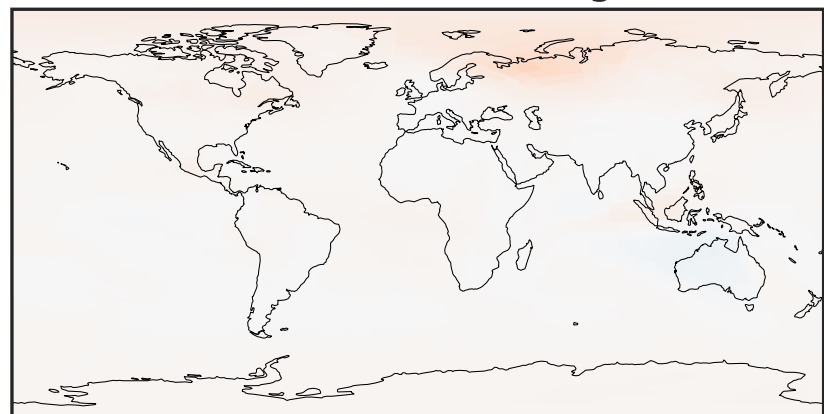
-0.0006 0.0000 0.0006
1

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



0.8609 0.9304 1.0000 1.0808 1.1616
unitless

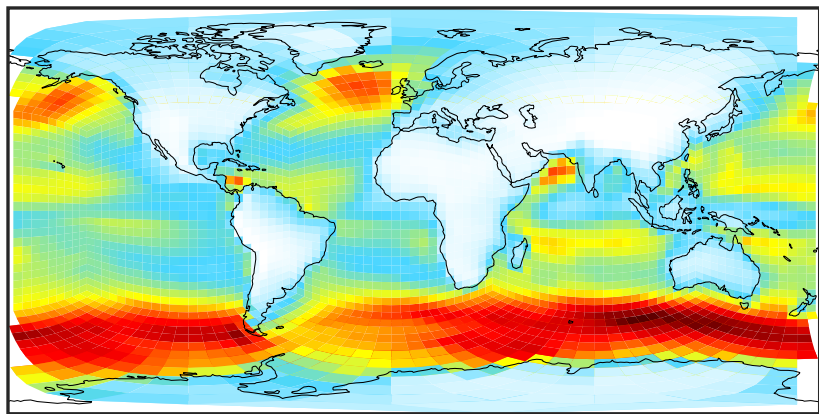
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

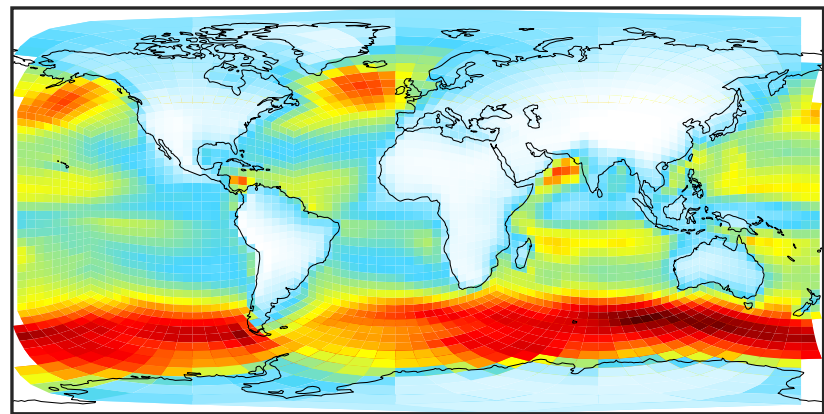
Column_AOD_SALA (AnnualMean)

GCHP_14.0.0 (Ref)
c24



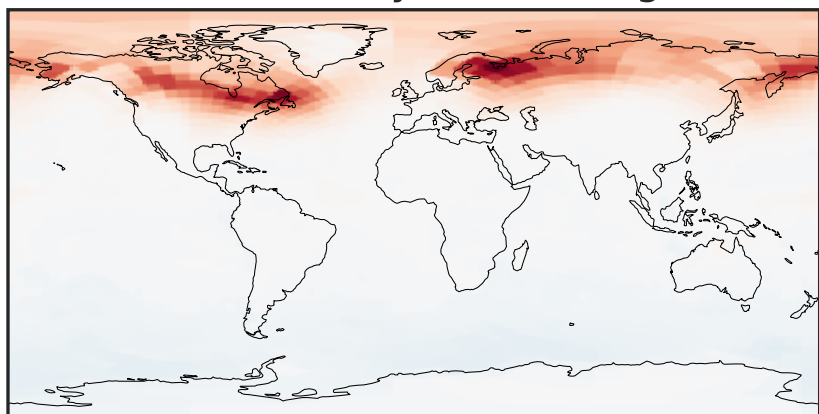
0.015 0.030 0.045
1

GCHP_14.2.0 (Dev)
c24



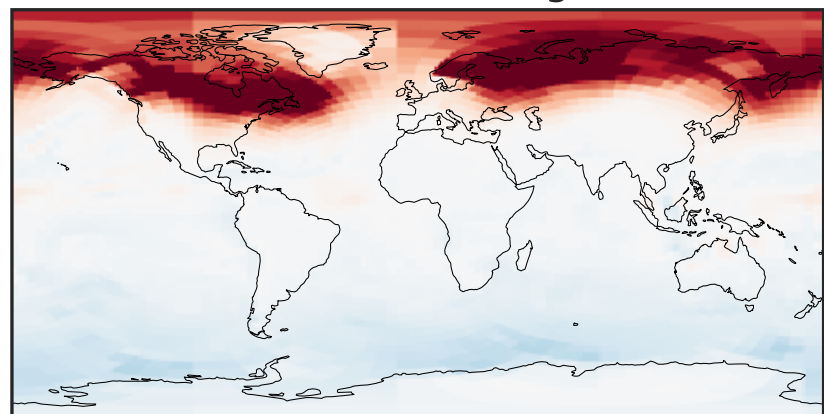
0.015 0.030 0.045
1

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



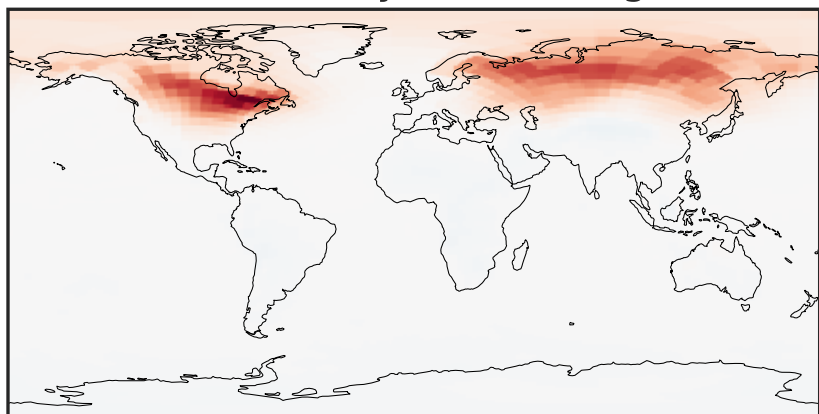
-0.0008 0.0000 0.0008
1

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



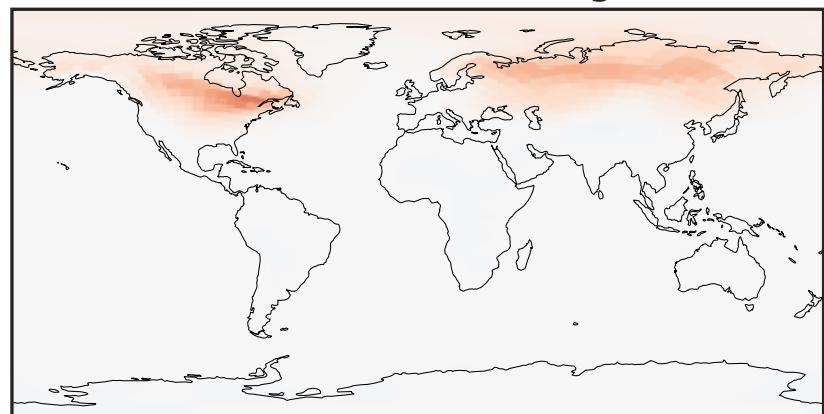
-0.00025 0.00000 0.00025
1

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



0.7006 0.8503 1.000 1.2137 1.4274
unitless

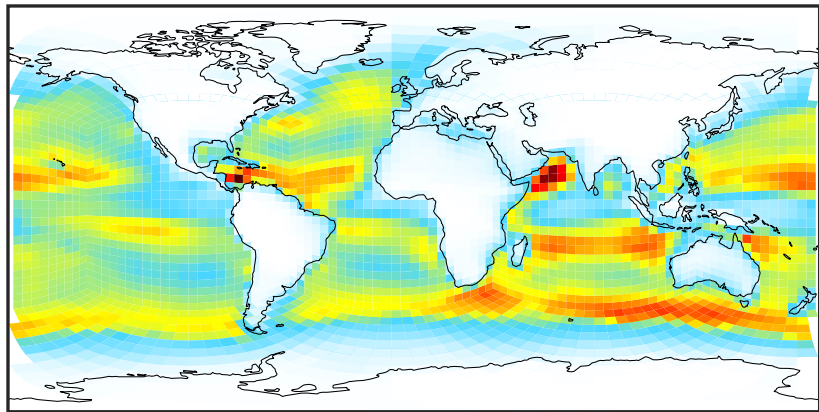
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

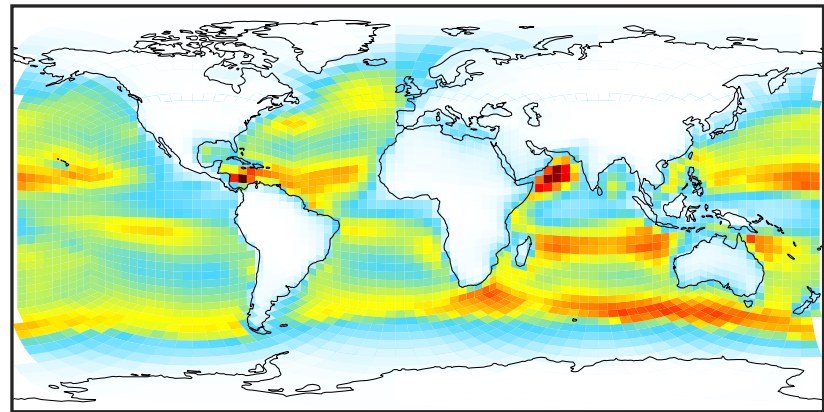
Column_AOD_SALC (AnnualMean)

GCHP_14.0.0 (Ref)
c24



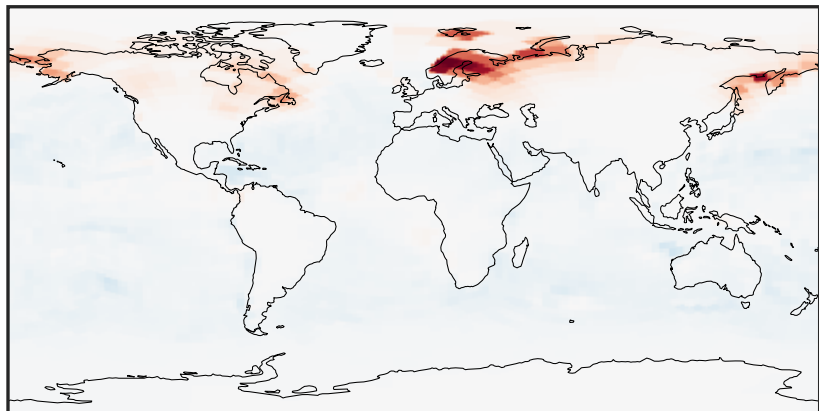
0.0000 0.0272 0.0544 0.0815 0.1087
1

GCHP_14.2.0 (Dev)
c24



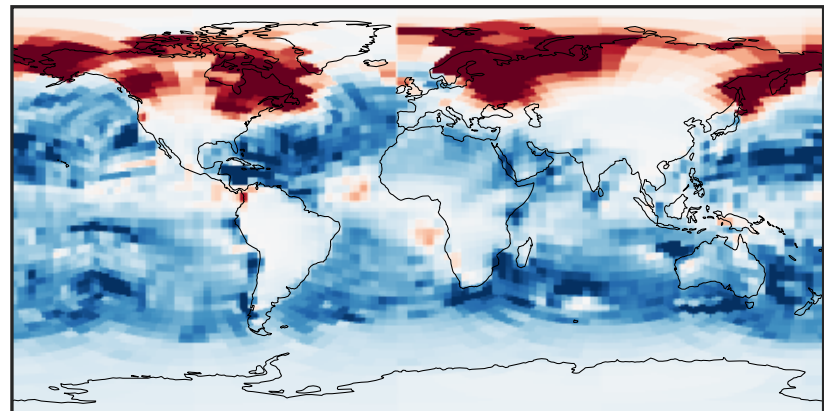
0.0000 0.0272 0.0544 0.0815 0.1087
1

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



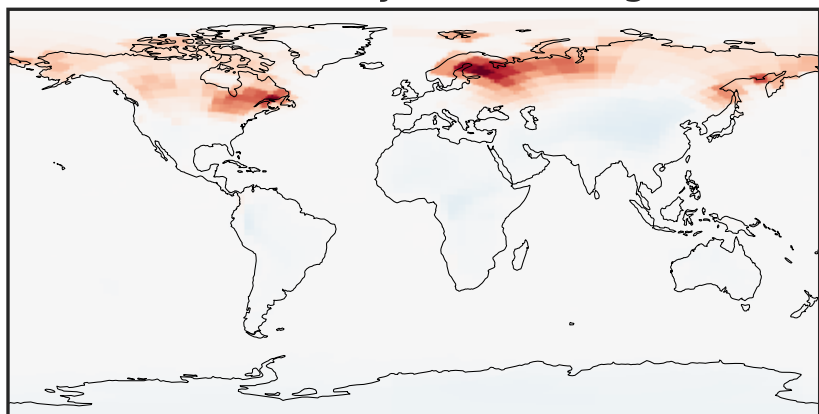
-0.0004 0.0000 0.0004
1

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



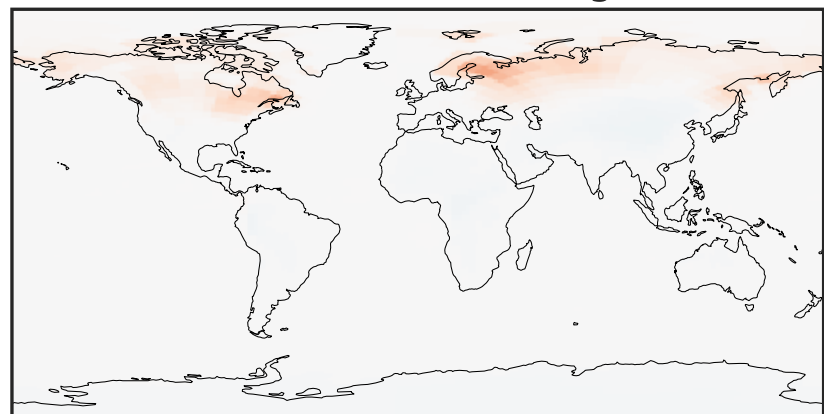
-3 0 3
1e-5

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



0.7618 0.8809 1.0000 1.1564 1.3128
unitless

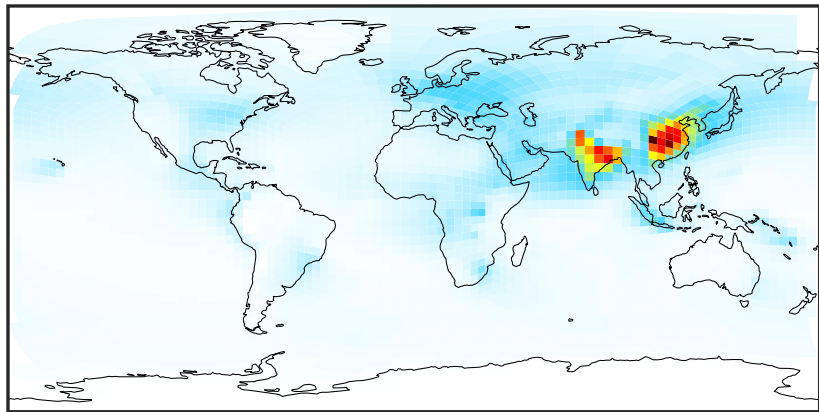
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

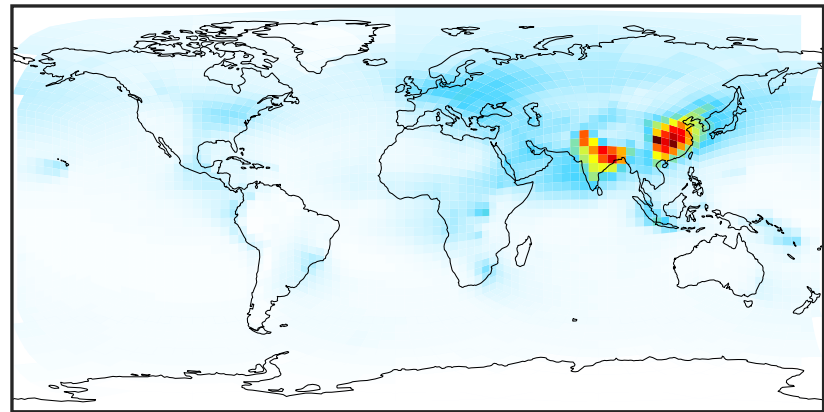
Column_AOD_SO4 (AnnualMean)

GCHP_14.0.0 (Ref)
c24



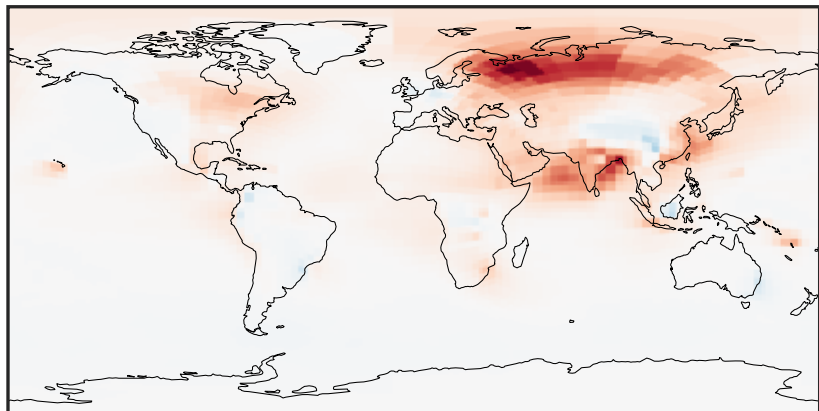
0.0022 0.1424 0.2848 0.4273 0.5719
1

GCHP_14.2.0 (Dev)
c24



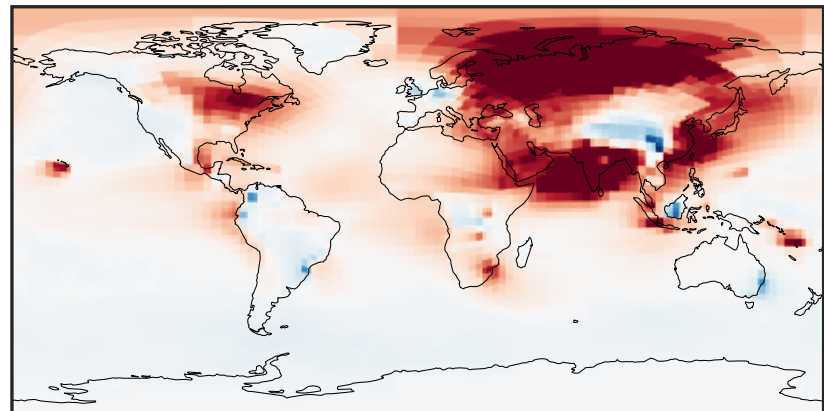
0.0022 0.1424 0.2848 0.4273 0.5719
1

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



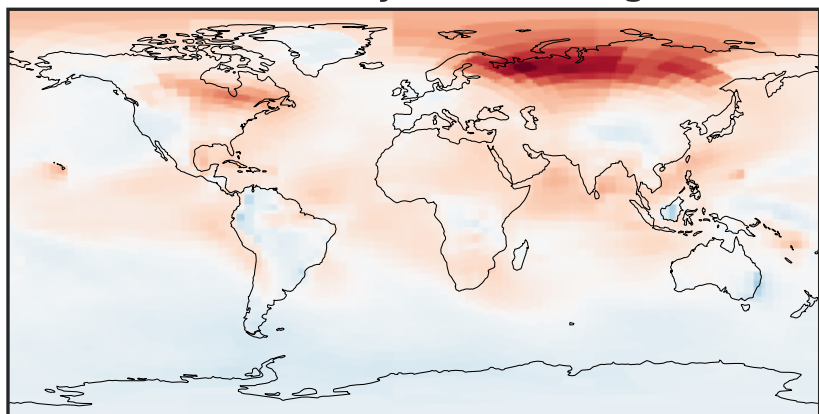
-0.008 0.000 0.008
1

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



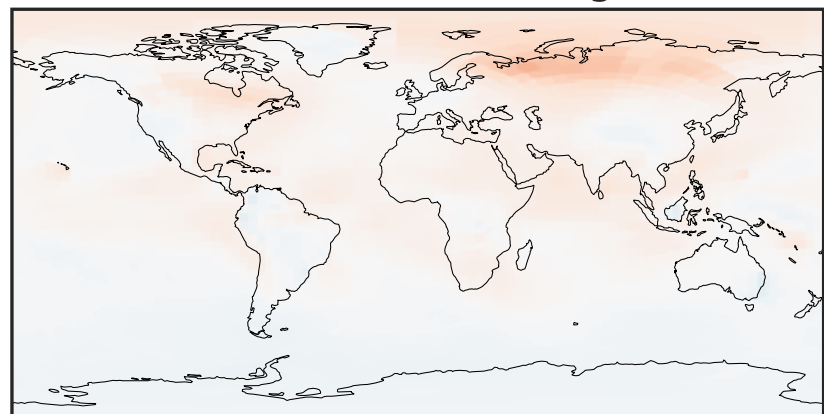
-0.0025 0.0000 0.0025
1

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



0.7920 0.8960 1.0000 1.1313 1.2626
unitless

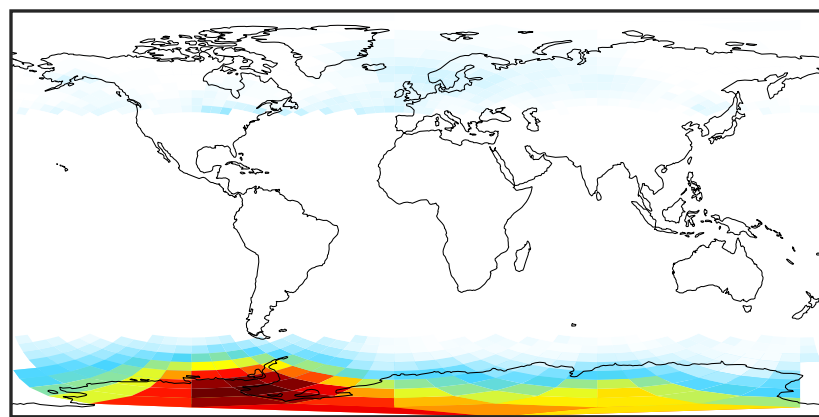
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

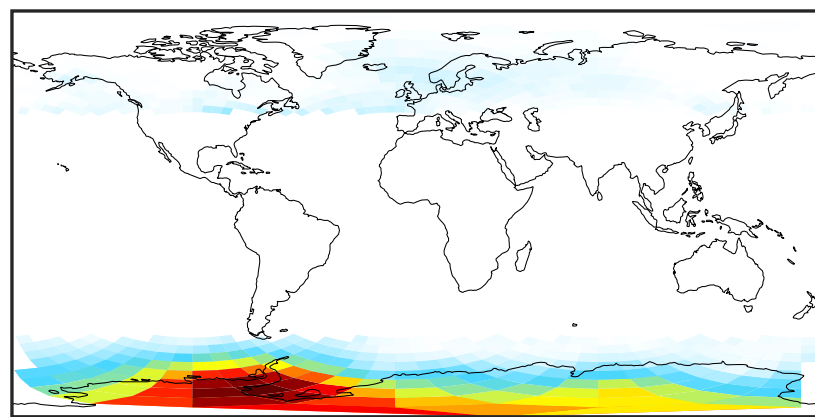
Column_AOD_Polar_Strat_Cloud (AnnualMean)

GCHP_14.0.0 (Ref)
c24



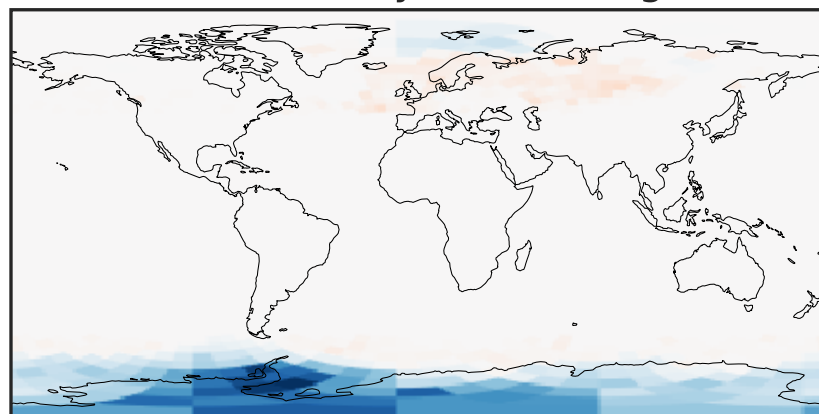
0.000 0.008 0.016 0.024
1

GCHP_14.2.0 (Dev)
c24



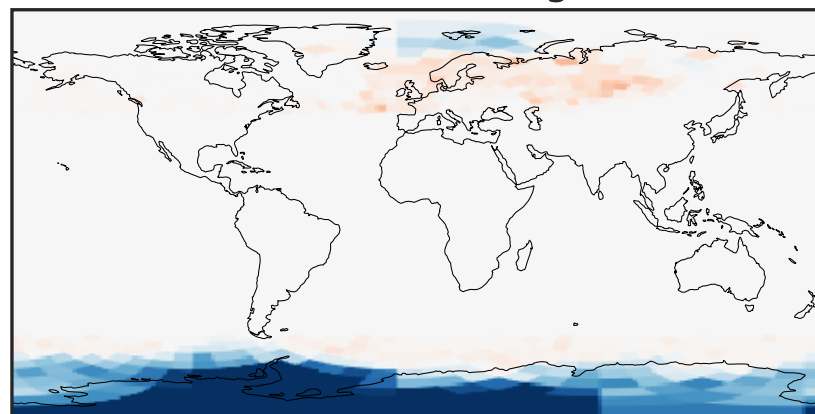
0.000 0.008 0.016 0.024
1

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



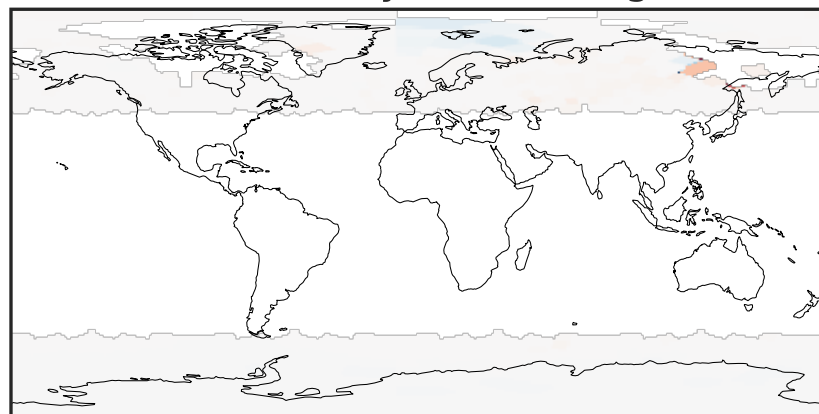
-0.0003 0.0000 0.0003
1

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



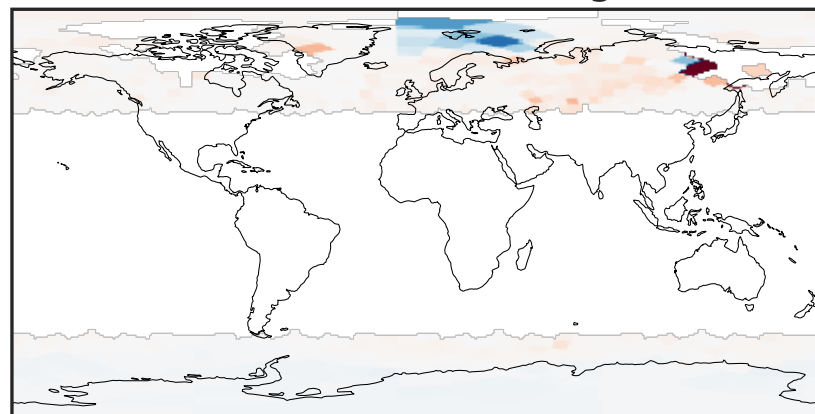
-0.00015 0.00000 0.00015
1

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



1e-01 1 10
unitless

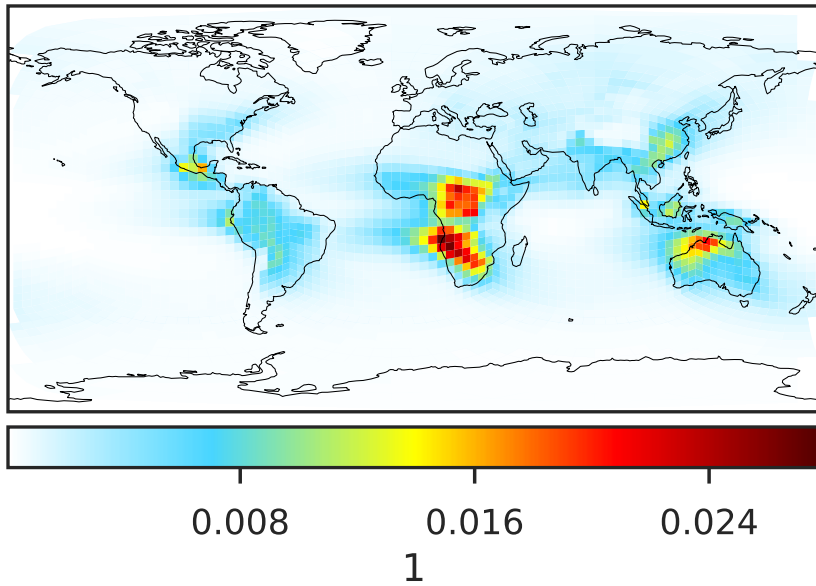
Ratio (1x1.25)
Dev/Ref, Fixed Range



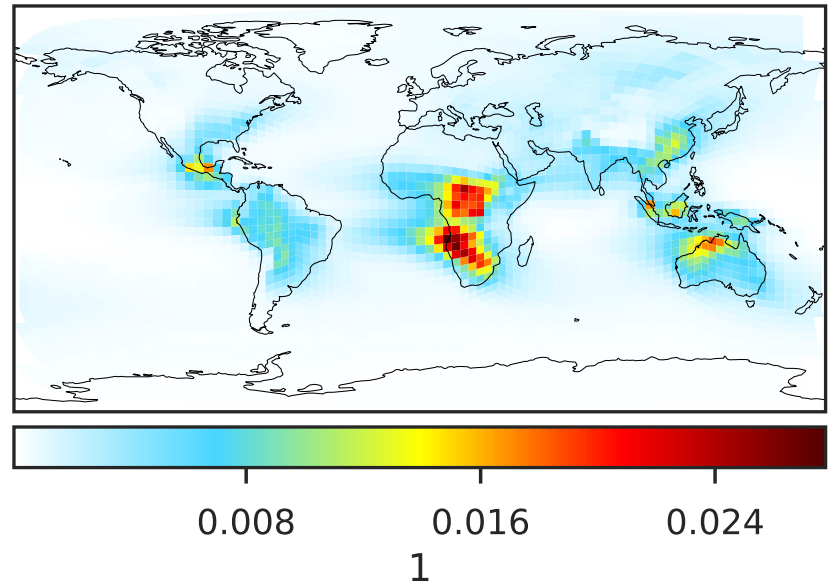
0.50 0.75 1.00 1.50 2.00
unitless

Column_AOD_SOA_from_Aqueous_ISOP (AnnualMean)

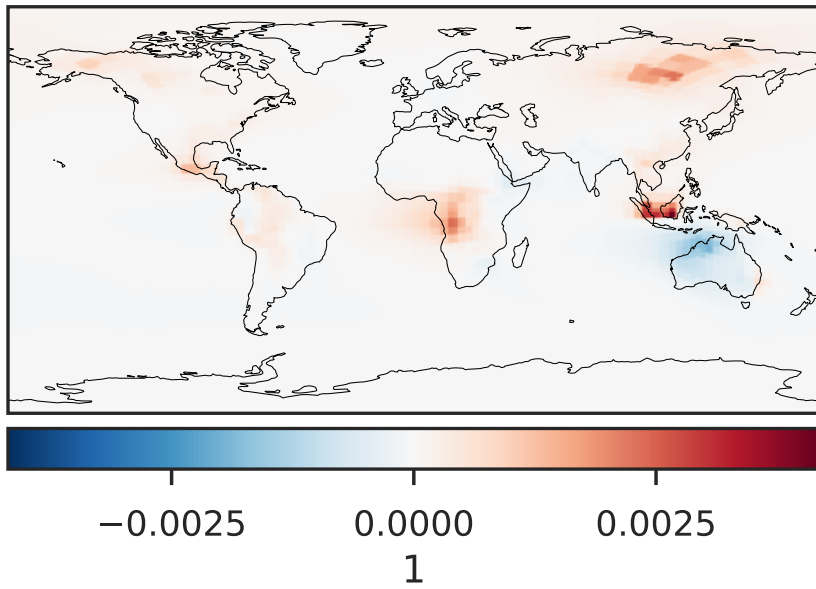
GCHP_14.0.0 (Ref)
c24



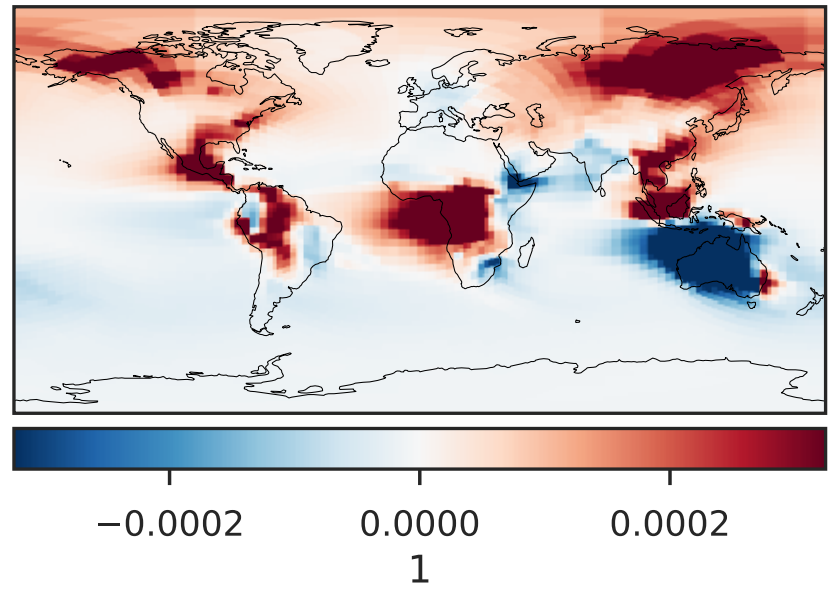
GCHP_14.2.0 (Dev)
c24



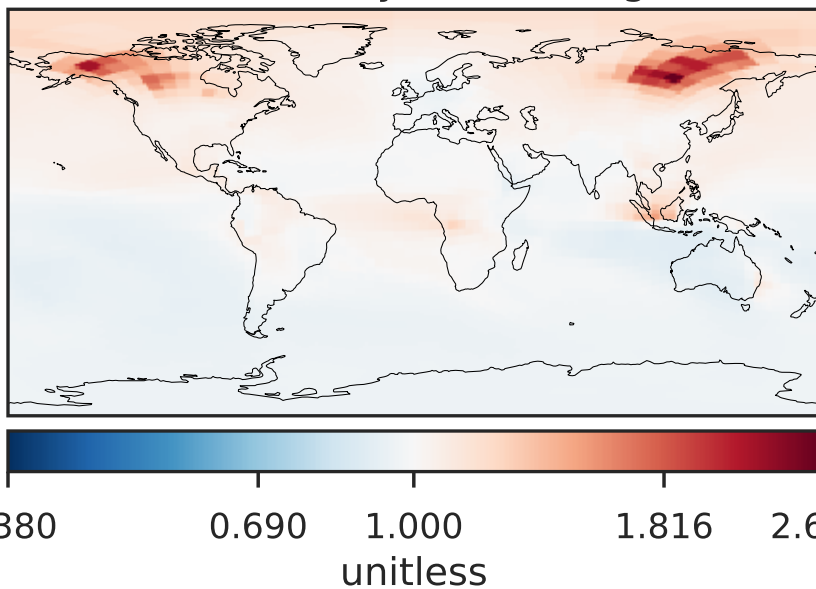
Difference (1x1.25)
Dev - Ref, Dynamic Range



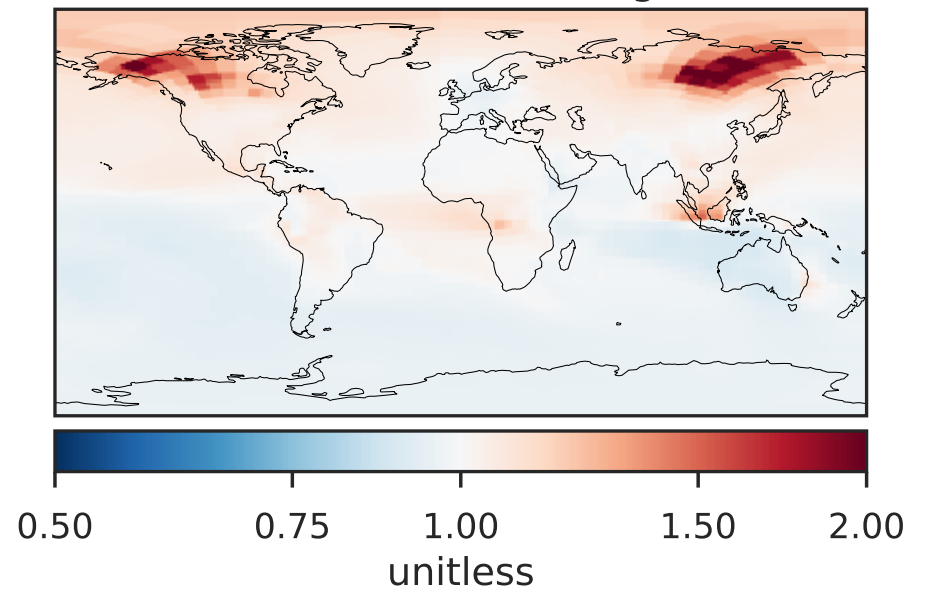
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

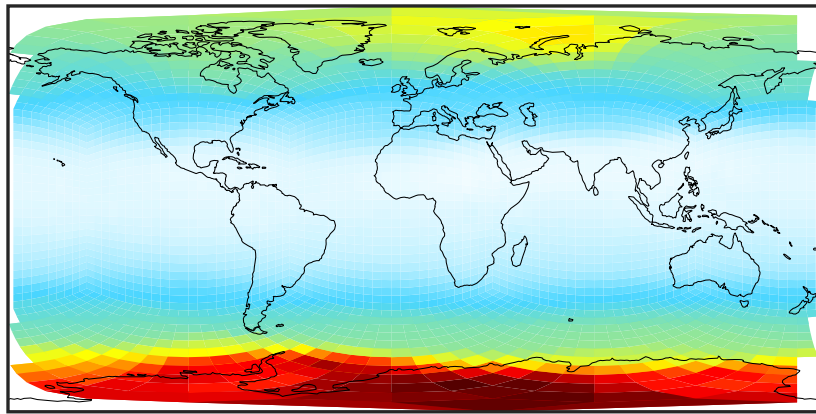


Ratio (1x1.25)
Dev/Ref, Fixed Range



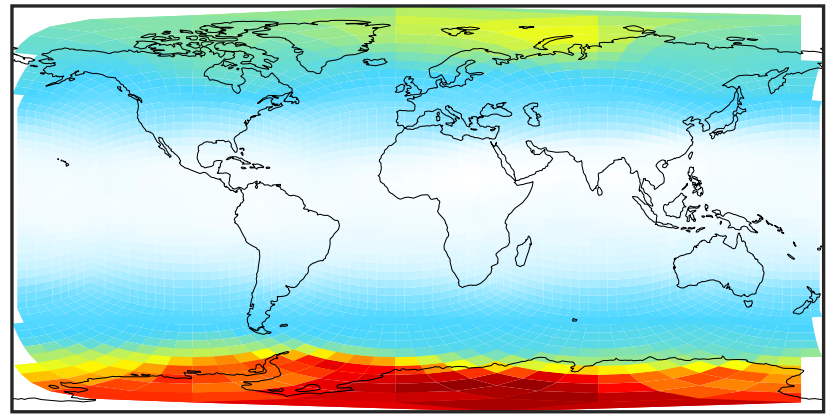
Column_AOD_Strat_Liquid_Aerosol (AnnualMean)

GCHP_14.0.0 (Ref)
c24



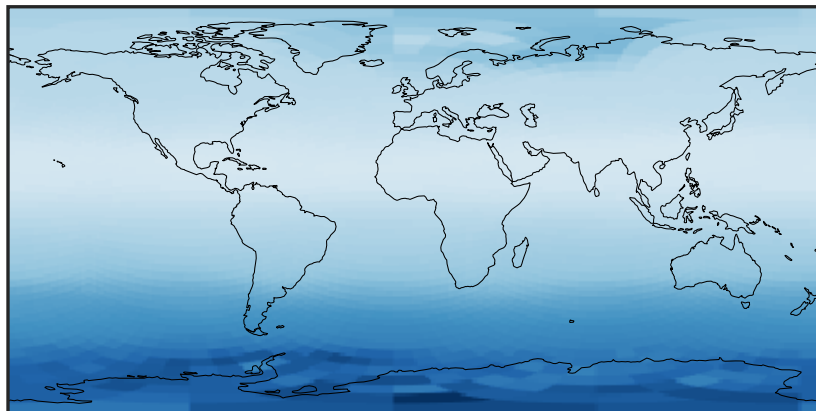
0.0025 0.0050 0.0075 0.0100
1

GCHP_14.2.0 (Dev)
c24



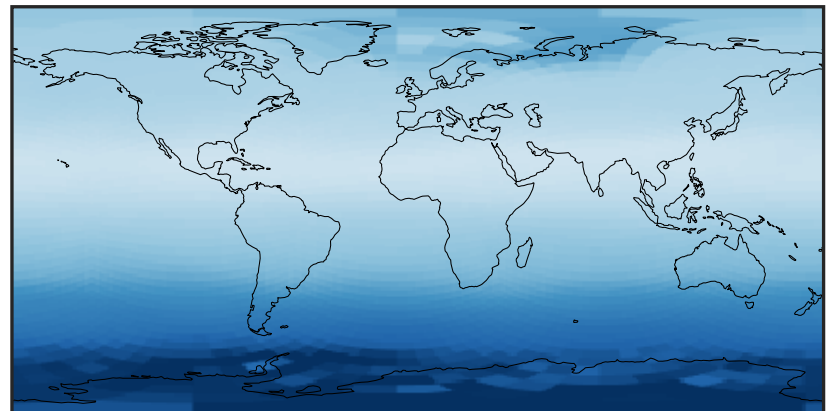
0.0025 0.0050 0.0075 0.0100
1

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



-0.0005 0.0000 0.0005
1

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



-0.0005 0.0000 0.0005
1

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



0.95540 0.97770 1.00000 1.02334 1.04668
unitless

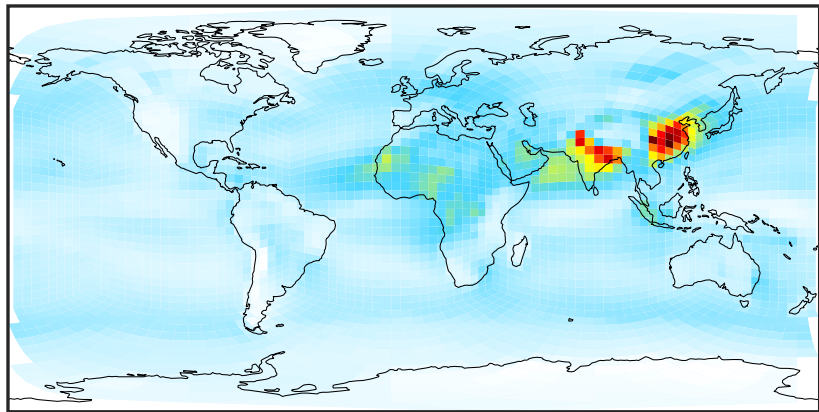
Ratio (1x1.25)
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

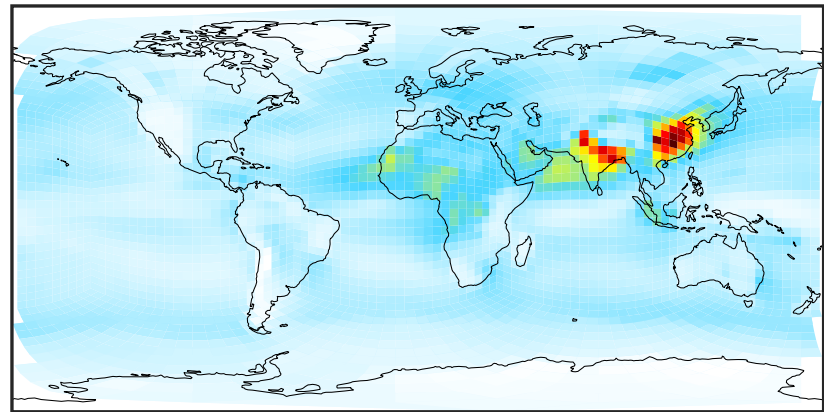
Column_AOD_Total (AnnualMean)

GCHP_14.0.0 (Ref)
c24



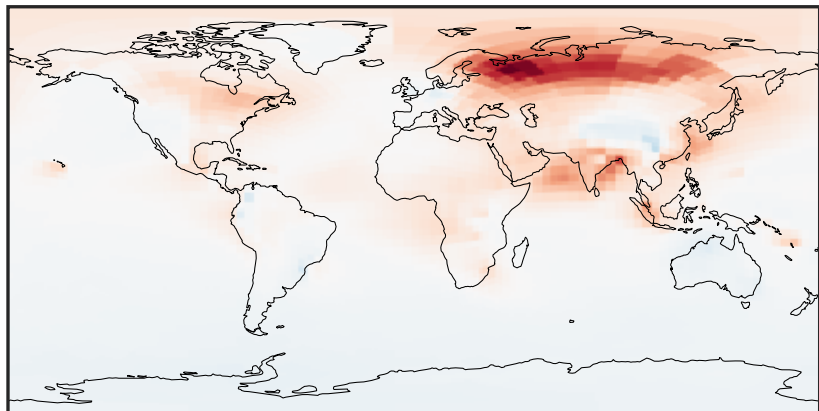
0.0167 0.2016 0.4031 0.6047 0.8230
1

GCHP_14.2.0 (Dev)
c24



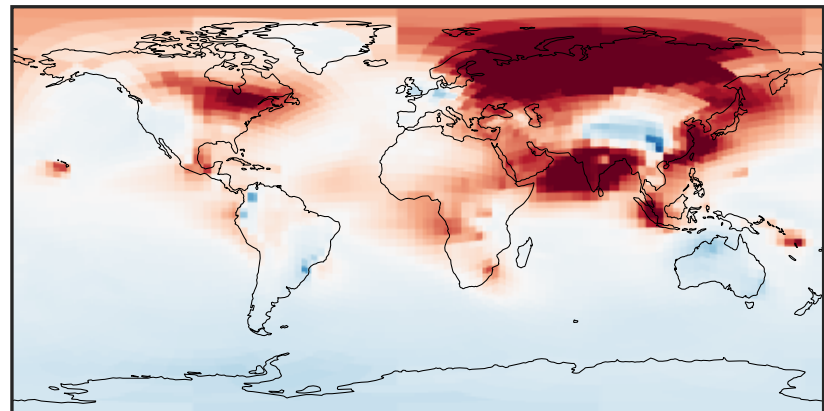
0.0167 0.2016 0.4031 0.6047 0.8230
1

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



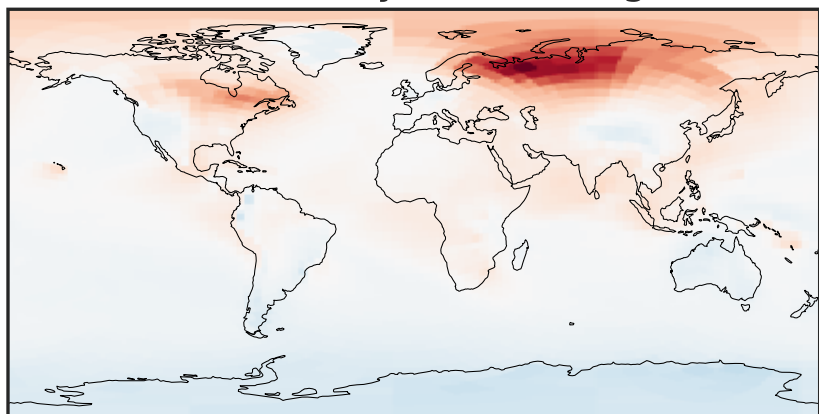
-0.015 0.000 0.015
1

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



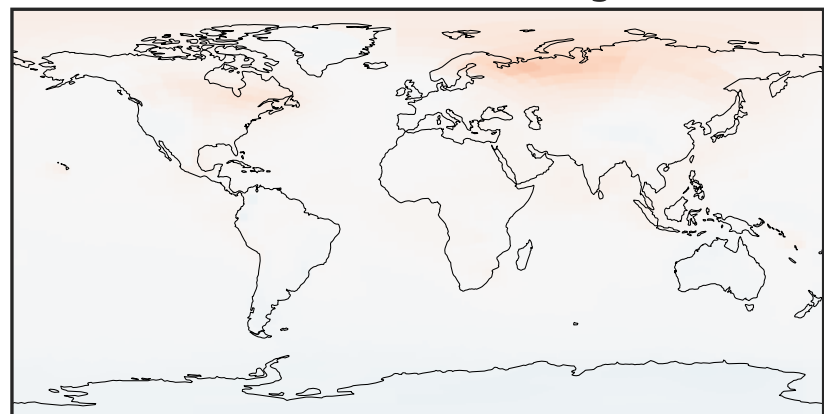
-0.003 0.000 0.003
1

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



0.8238 0.9119 1.000 1.1069 1.2138
unitless

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



0.50 0.75 1.00 1.50 2.00
unitless