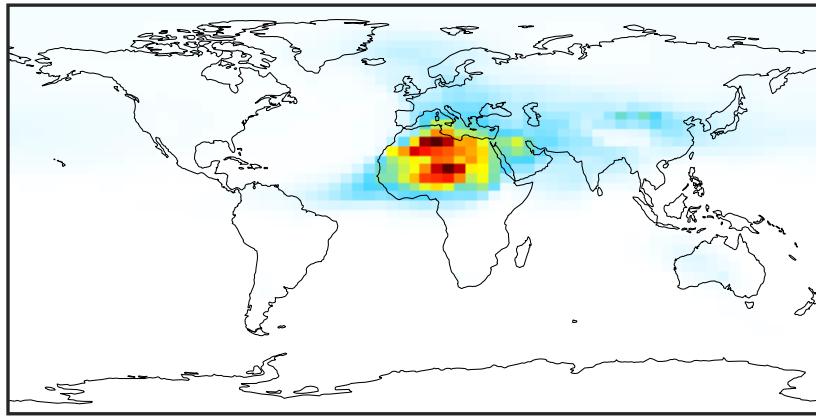


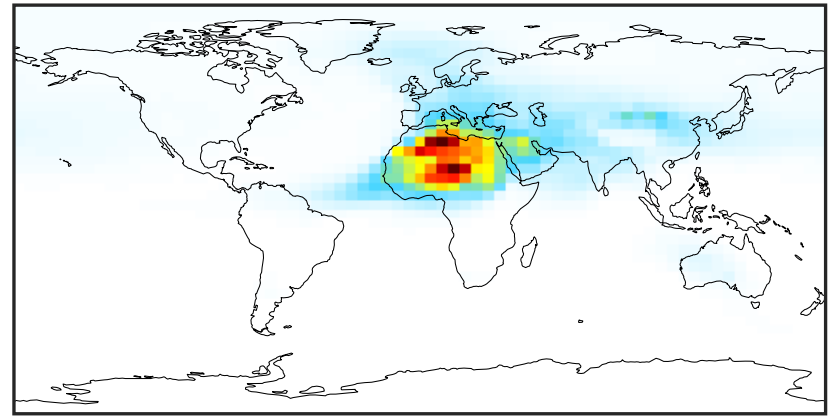
Column_AOD_Dust (Apr2019)

14.2.0-rc.2 (Ref)
4.0x5.0



0.0000 0.1315 0.2629 0.3943 0.5257
1

14.3.0-rc.0 (Dev)
4.0x5.0



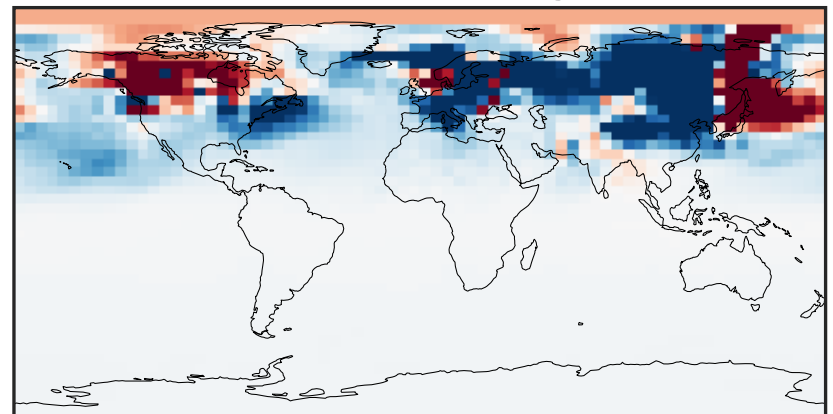
0.0000 0.1315 0.2629 0.3943 0.5257
1

Difference
Dev - Ref, Dynamic Range



-8 0 8
1 $1e-5$

Difference
Dev - Ref, Restricted Range [5%,95%]



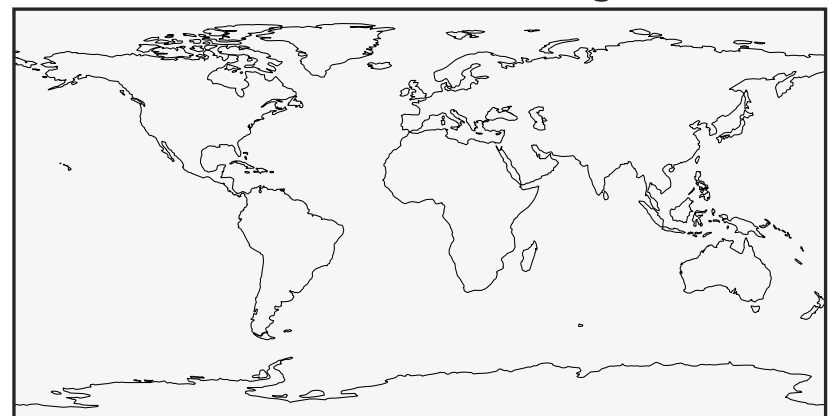
-1.5 0.0 1.5
1 $1e-6$

Ratio
Dev/Ref, Dynamic Range



0.98976 0.99488 1.00000 1.00517 1.01034
unitless

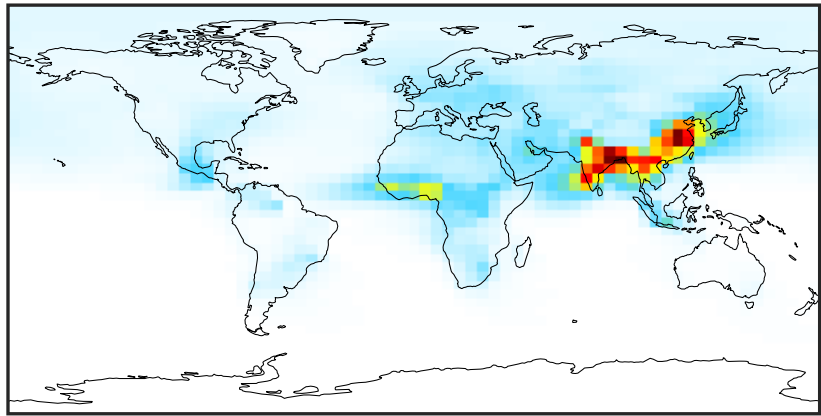
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

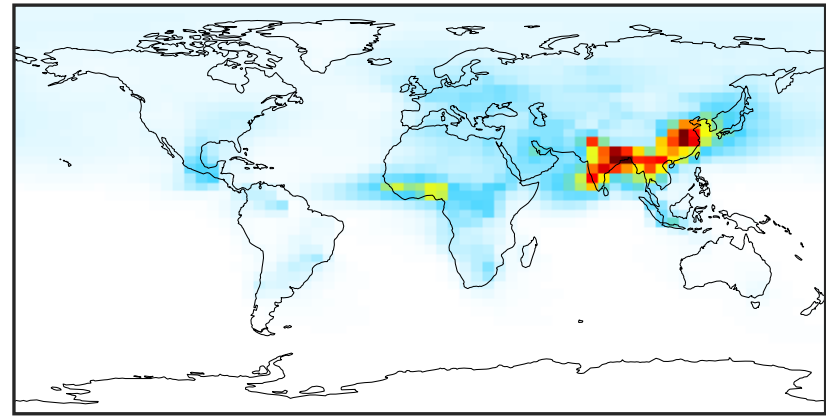
Column_AOD_BCPI (Apr2019)

14.2.0-rc.2 (Ref)
4.0x5.0



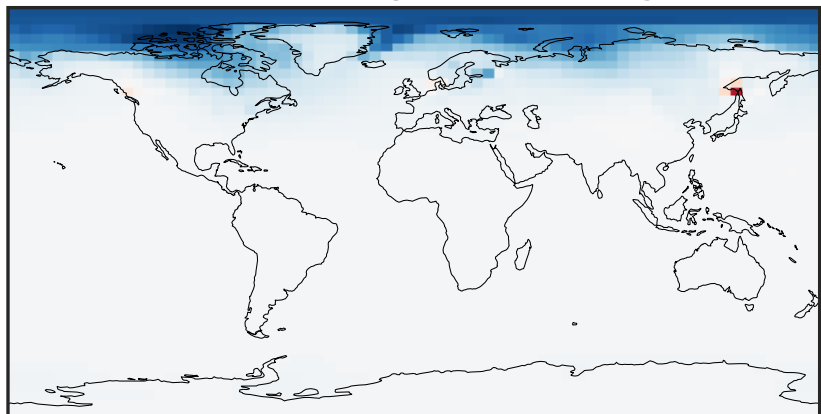
0.008 0.016 0.024
1

14.3.0-rc.0 (Dev)
4.0x5.0



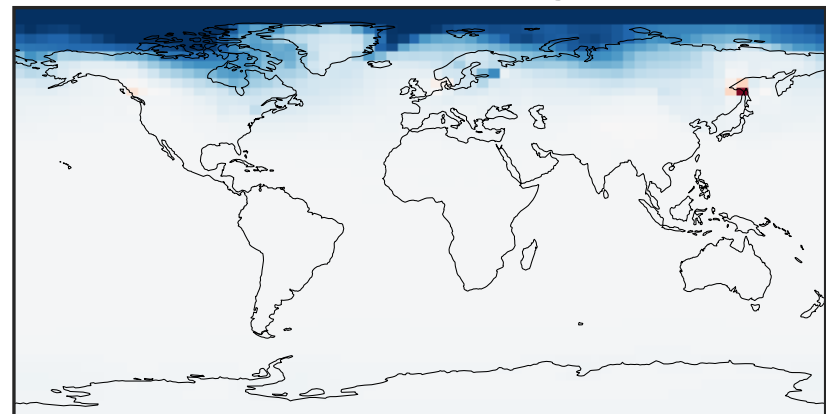
0.008 0.016 0.024
1

Difference
Dev - Ref, Dynamic Range



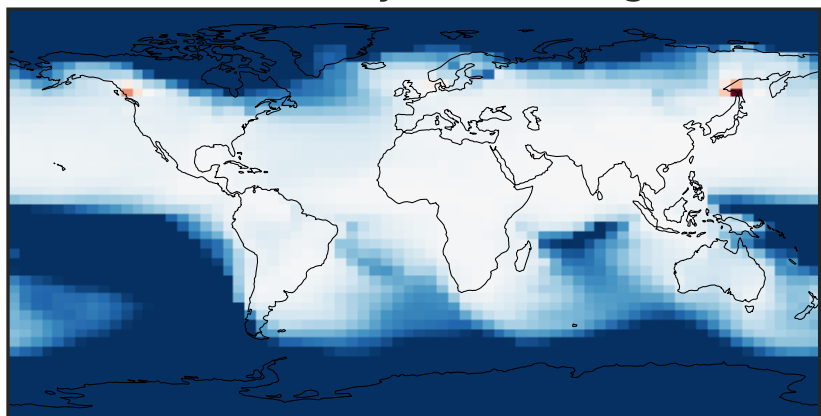
-1.5 0.0 1.5
1 $1e-5$

Difference
Dev - Ref, Restricted Range [5%,95%]



-1 0 1
1 $1e-5$

Ratio
Dev/Ref, Dynamic Range



0.99366 0.99683 1.00000 1.00319 1.00638
unitless

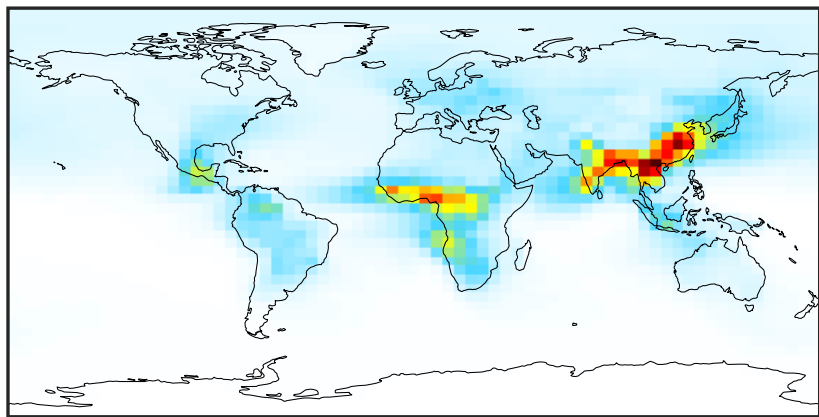
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

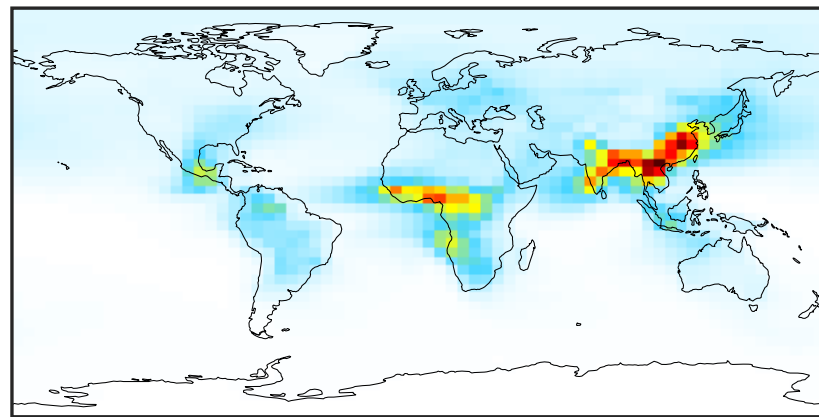
Column_AOD_OCPI (Apr2019)

14.2.0-rc.2 (Ref)
4.0x5.0



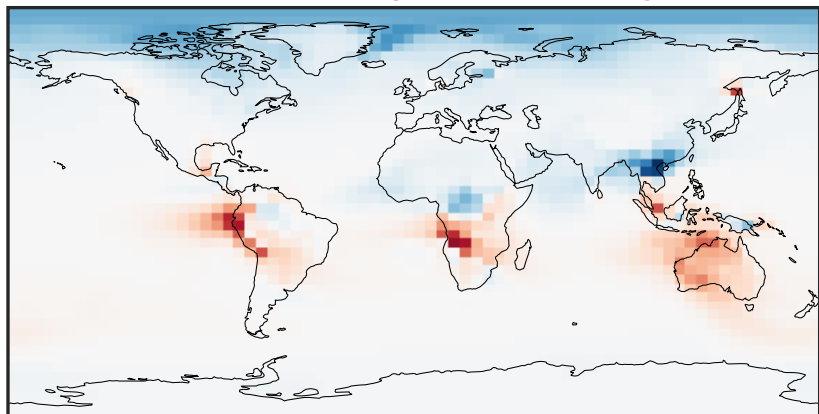
0.0005 0.0546 0.1087 0.1629 0.2170
1

14.3.0-rc.0 (Dev)
4.0x5.0



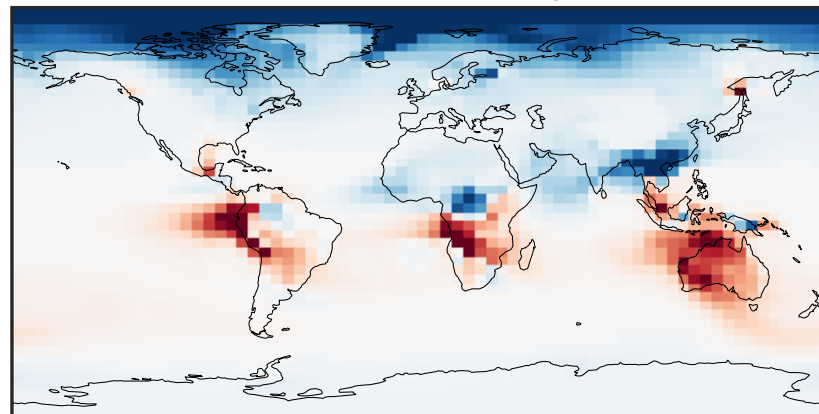
0.0005 0.0546 0.1087 0.1629 0.2170
1

Difference
Dev - Ref, Dynamic Range



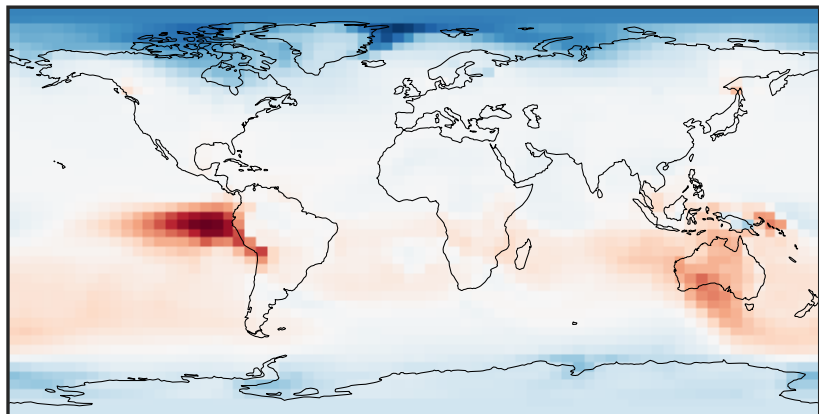
-0.00015 0.00000 0.00015
1

Difference
Dev - Ref, Restricted Range [5%,95%]



-8 0 8
1 1e-5

Ratio
Dev/Ref, Dynamic Range



0.97828 0.98914 1.00000 1.01110 1.02220
unitless

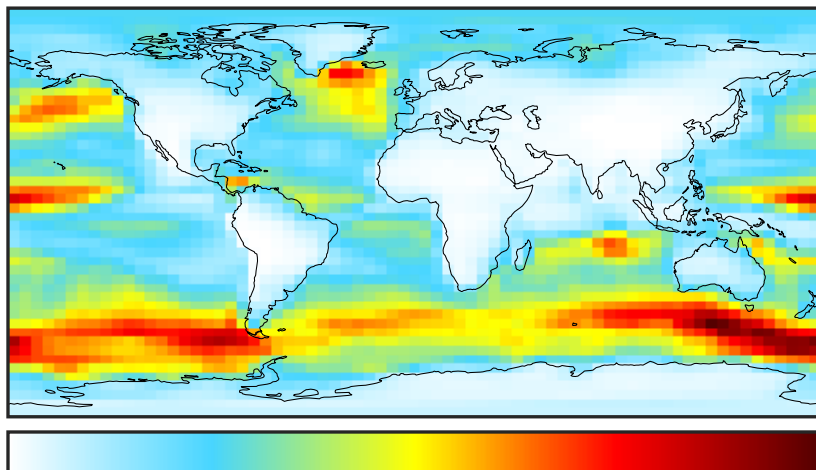
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

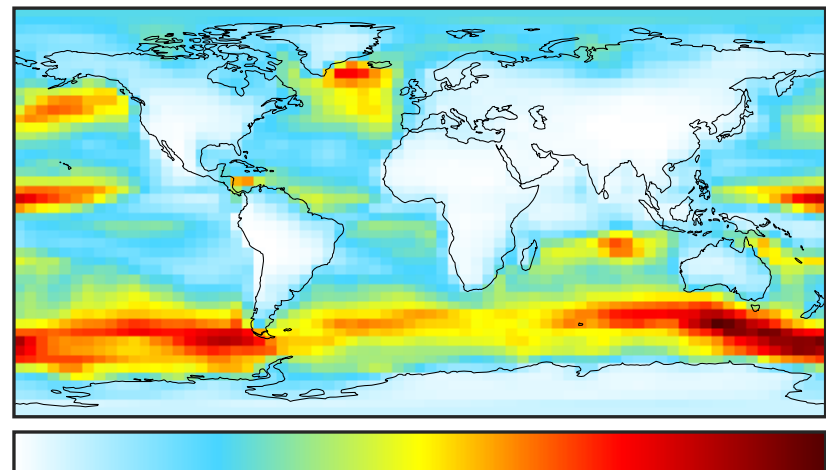
Column_AOD_SALA (Apr2019)

14.2.0-rc.2 (Ref)
4.0x5.0



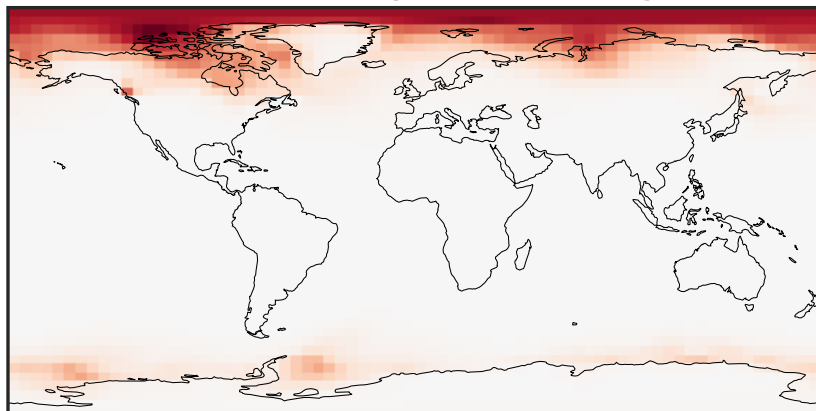
0.015 0.030 0.045
1

14.3.0-rc.0 (Dev)
4.0x5.0



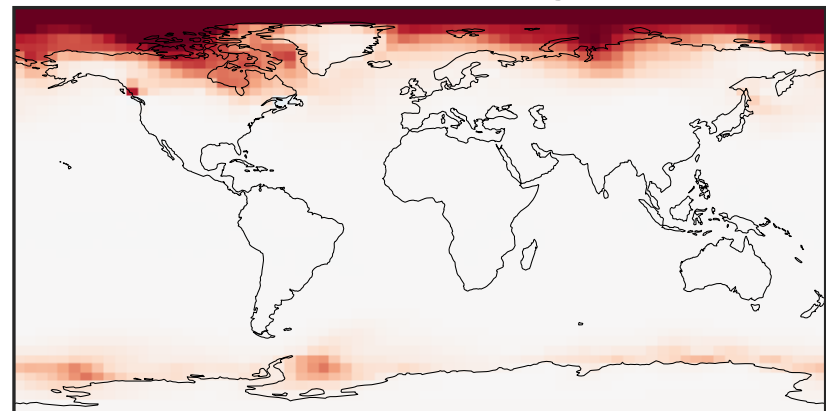
0.015 0.030 0.045
1

Difference
Dev - Ref, Dynamic Range



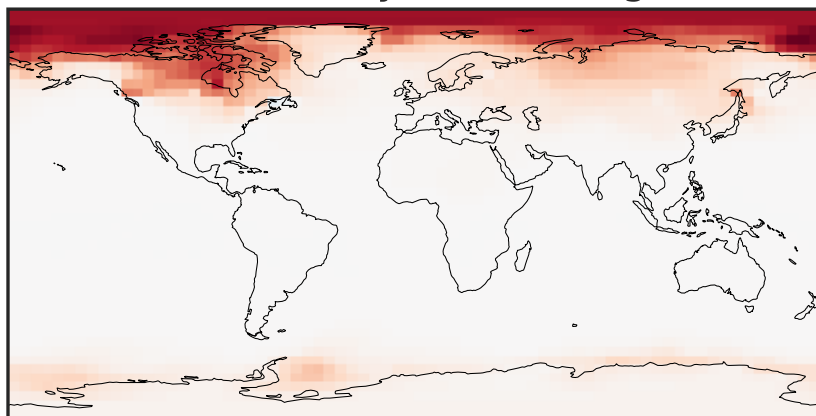
-0.0005 0.0000 0.0005
1

Difference
Dev - Ref, Restricted Range [5%,95%]



-0.0004 0.0000 0.0004
1

Ratio
Dev/Ref, Dynamic Range



0.9423 0.9711 1.0000 1.0306 1.0613
unitless

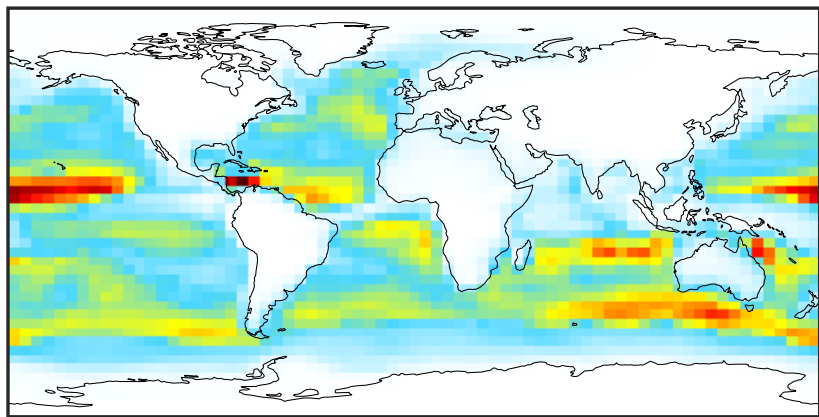
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

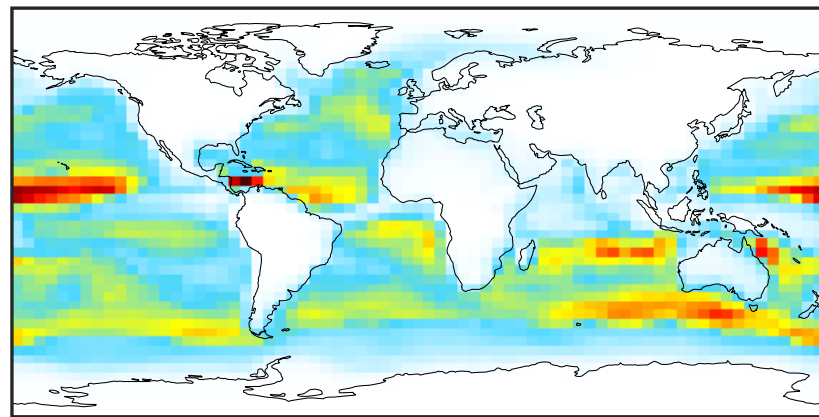
Column_AOD_SALC (Apr2019)

14.2.0-rc.2 (Ref)
4.0x5.0



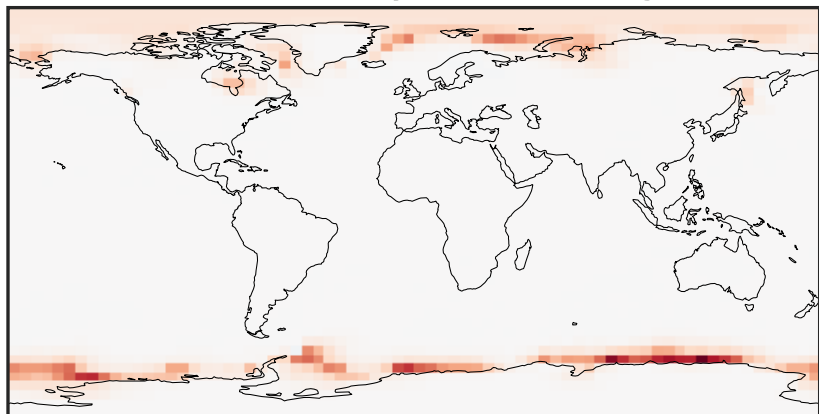
0.0000 0.0331 0.0661 0.0991 0.1322
1

14.3.0-rc.0 (Dev)
4.0x5.0



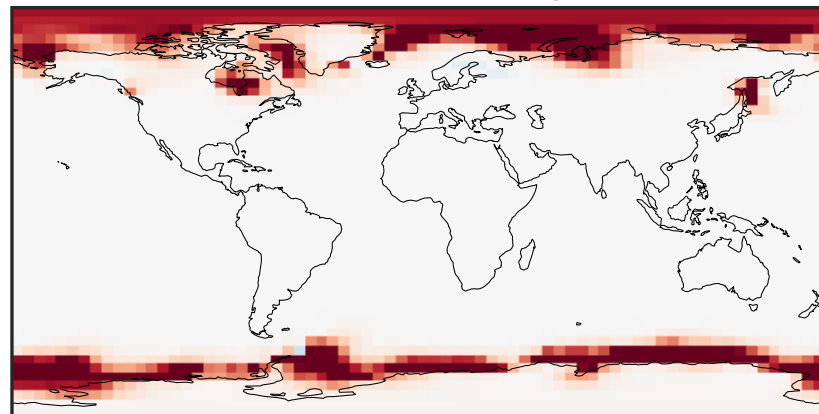
0.0000 0.0331 0.0661 0.0991 0.1322
1

Difference
Dev - Ref, Dynamic Range



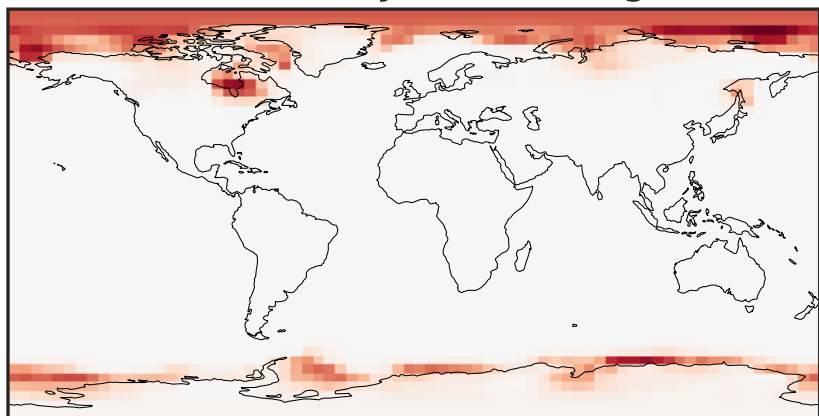
-0.0008 0.0000 0.0008
1

Difference
Dev - Ref, Restricted Range [5%,95%]



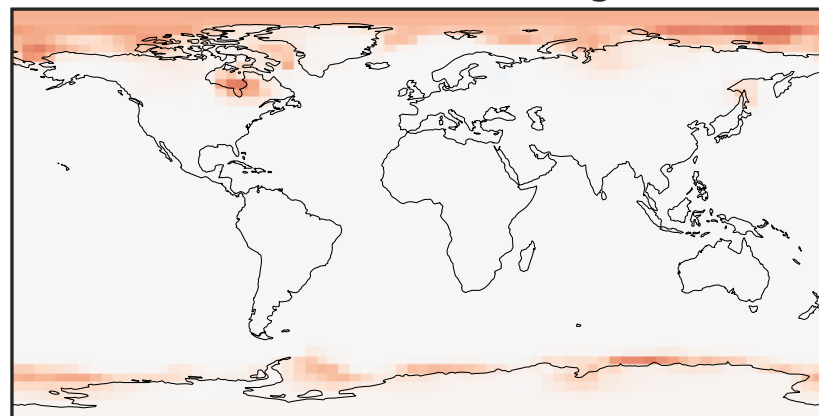
-0.00015 0.00000 0.00015
1

Ratio
Dev/Ref, Dynamic Range



0.6704 0.8352 1.0000 1.2458 1.4916
unitless

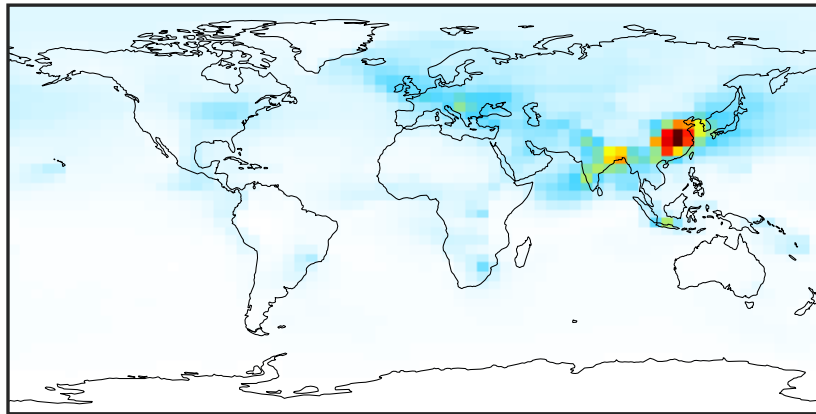
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

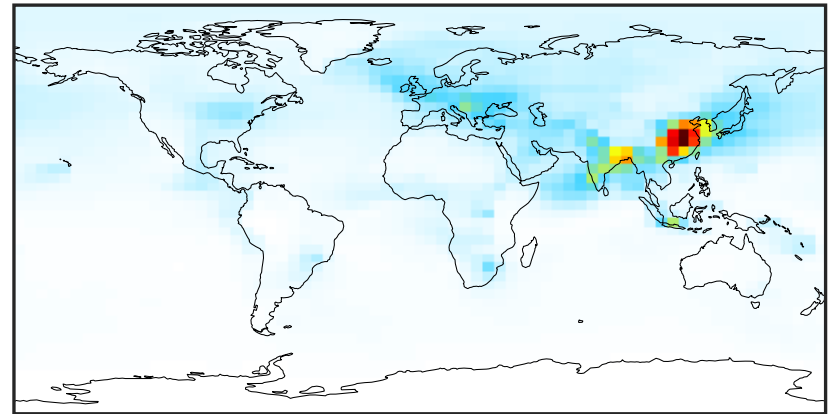
Column_AOD_SO4 (Apr2019)

14.2.0-rc.2 (Ref)
4.0x5.0



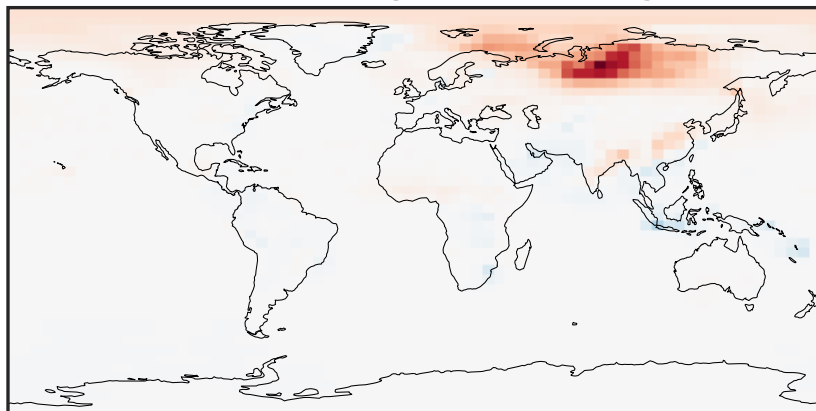
0.0011 0.1923 0.3834 0.5746 0.7657
1

14.3.0-rc.0 (Dev)
4.0x5.0



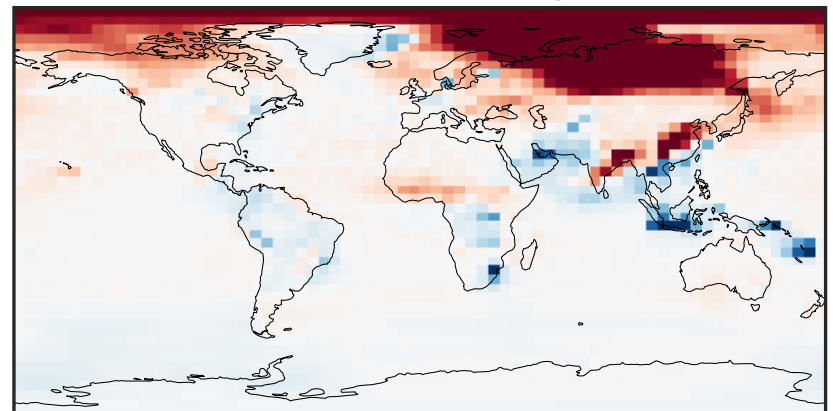
0.0011 0.1923 0.3834 0.5746 0.7657
1

Difference
Dev - Ref, Dynamic Range



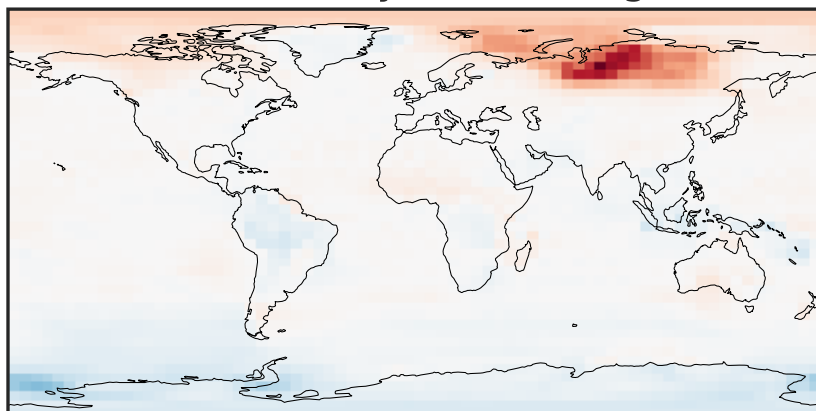
-0.003 0.000 0.003
1

Difference
Dev - Ref, Restricted Range [5%,95%]



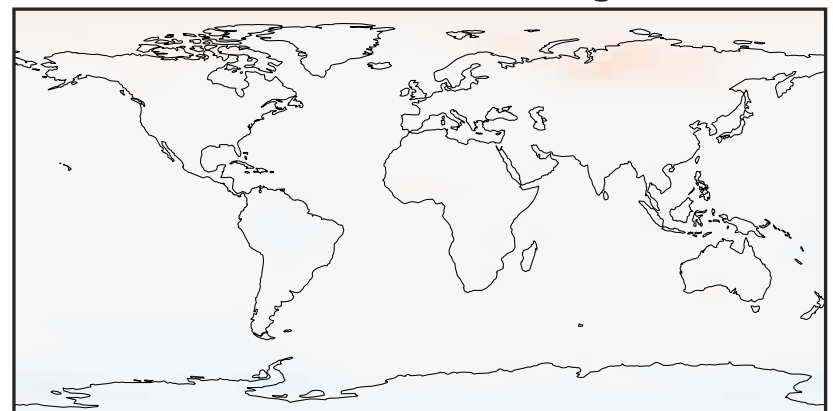
-0.0004 0.0000 0.0004
1

Ratio
Dev/Ref, Dynamic Range



0.9119 0.9559 1.0000 1.0483 1.0966
unitless

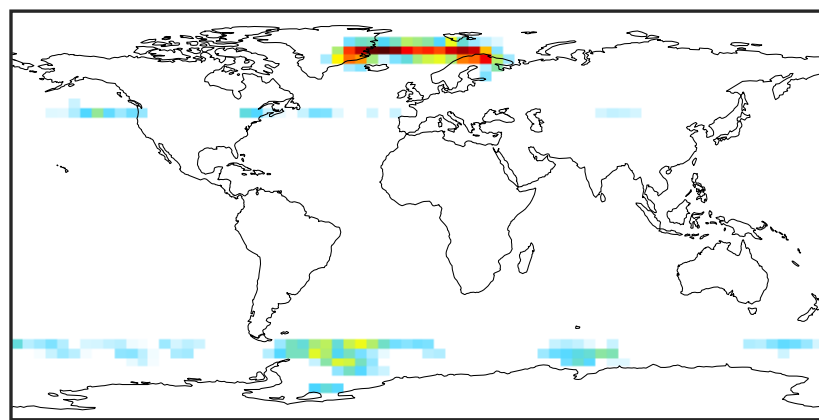
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

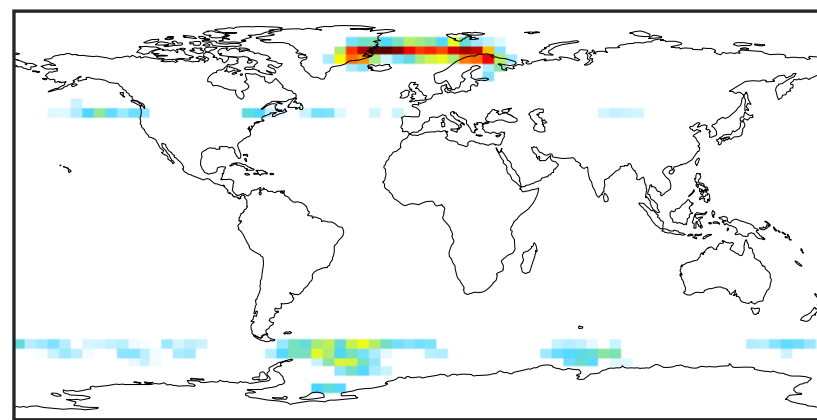
Column_AOD_Polar_Strat_Cloud (Apr2019)

14.2.0-rc.2 (Ref)
4.0x5.0



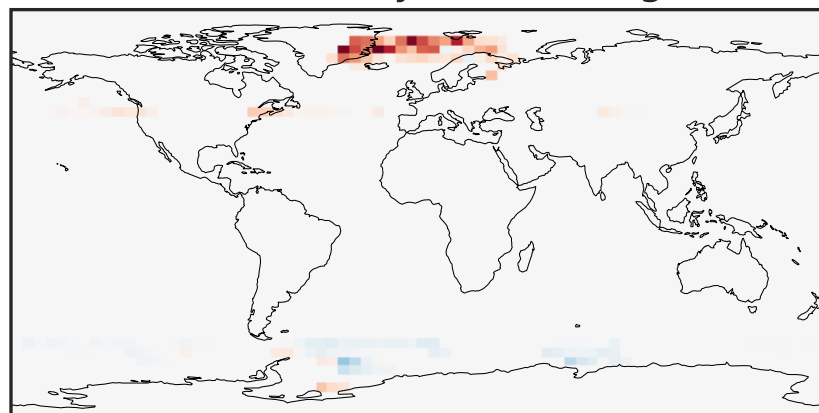
0.0000 0.0015 0.0030
1

14.3.0-rc.0 (Dev)
4.0x5.0



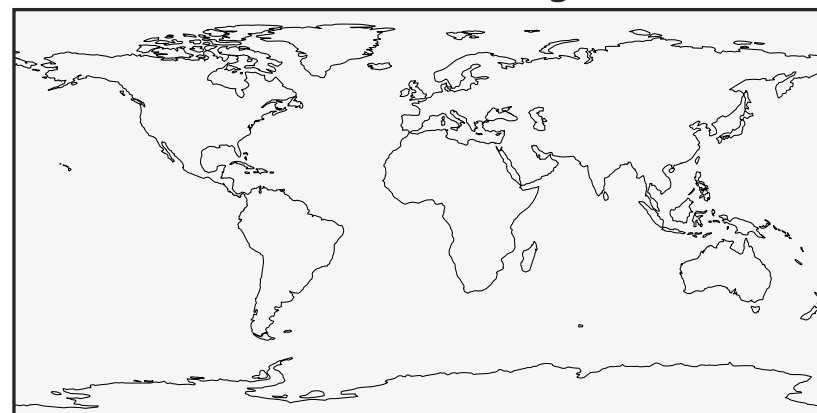
0.0000 0.0015 0.0030
1

Difference
Dev - Ref, Dynamic Range



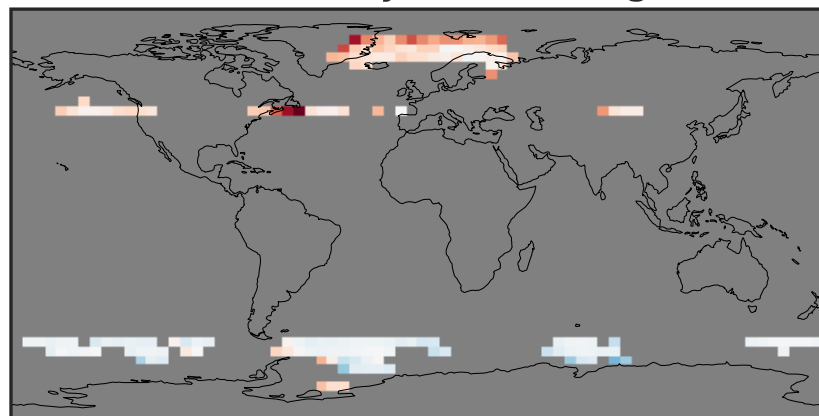
-1.5 0.0 1.5
1
 $1e-7$

Difference
Dev - Ref, Restricted Range [5%,95%]



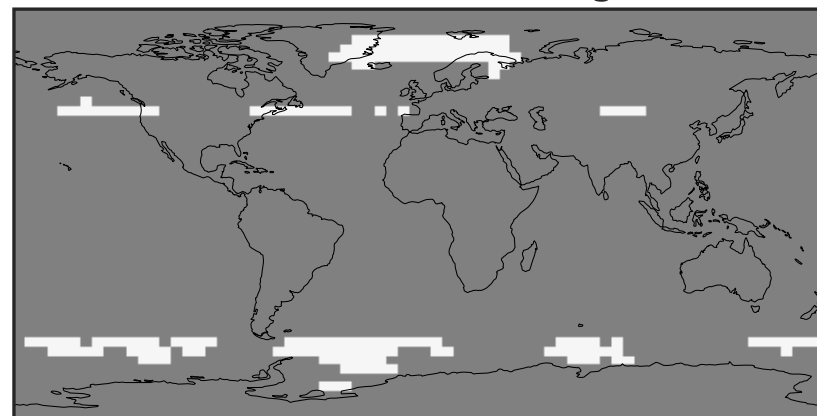
-1.0 -0.5 0.0 0.5 1.0
1

Ratio
Dev/Ref, Dynamic Range



0.9998113 1.000000 1.0001887
unitless

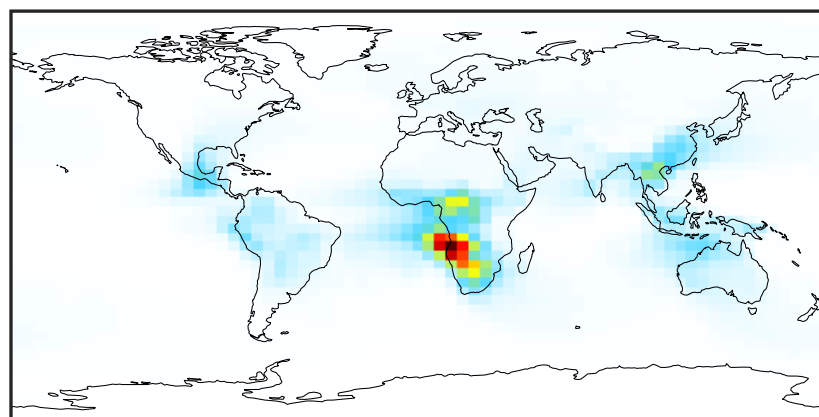
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

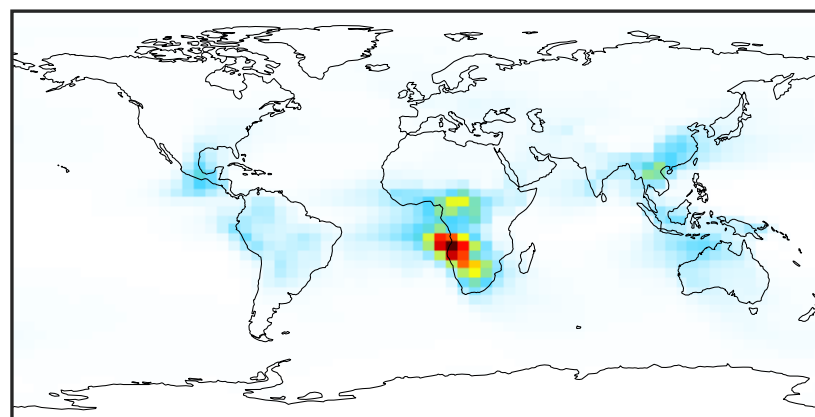
Column_AOD_SOA_from_Aqueous_ISOP (Apr2019)

14.2.0-rc.2 (Ref)
4.0x5.0



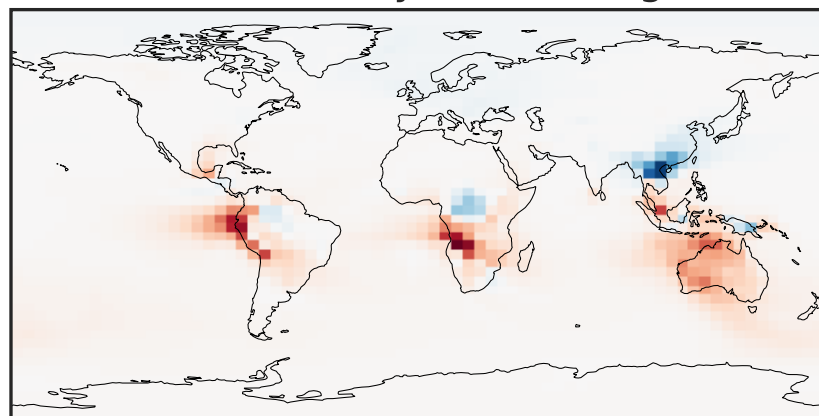
0.02 0.04 0.06
1

14.3.0-rc.0 (Dev)
4.0x5.0



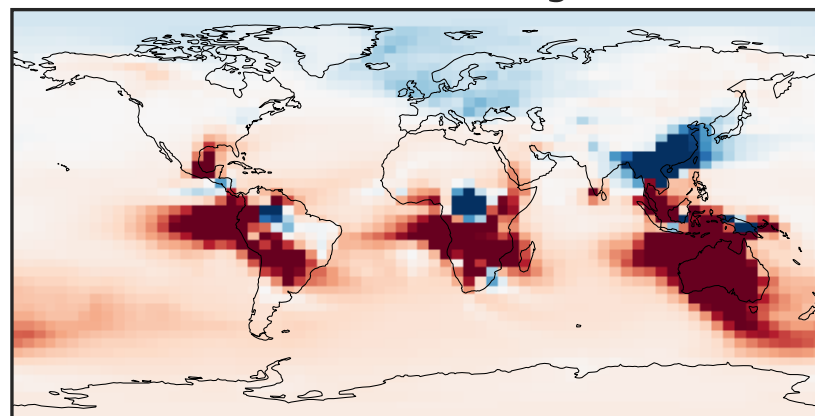
0.02 0.04 0.06
1

Difference
Dev - Ref, Dynamic Range



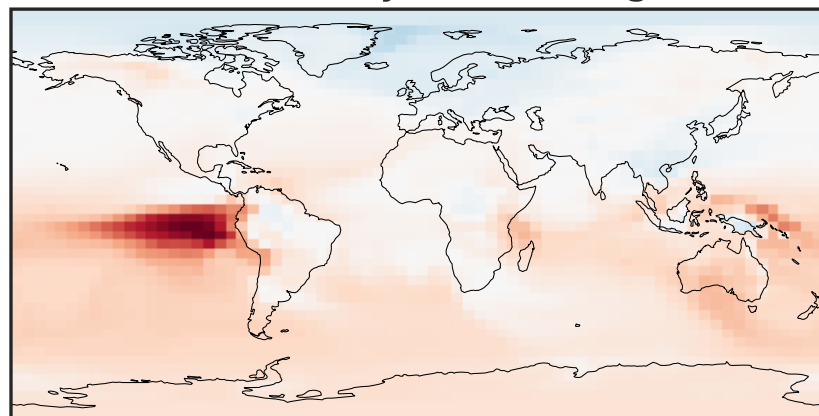
-0.00015 0.00000 0.00015
1

Difference
Dev - Ref, Restricted Range [5%,95%]



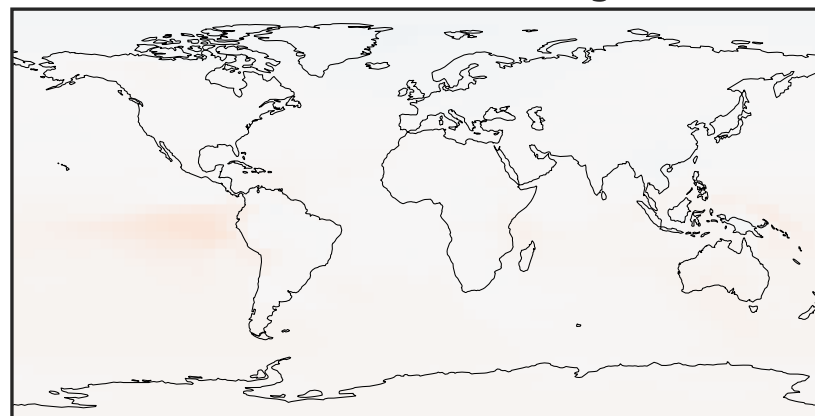
-2 0 2
1 1e-5

Ratio
Dev/Ref, Dynamic Range



0.9183 0.9591 1.0000 1.0445 1.0890
unitless

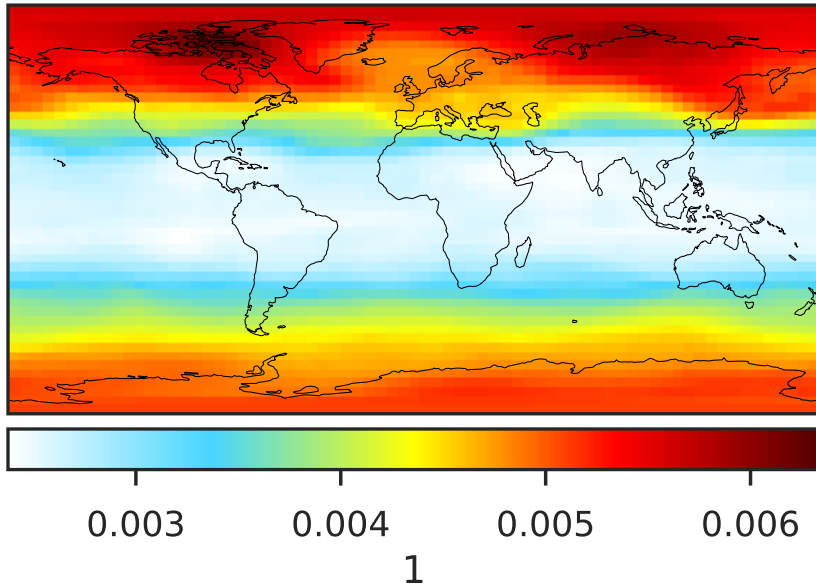
Ratio
Dev/Ref, Fixed Range



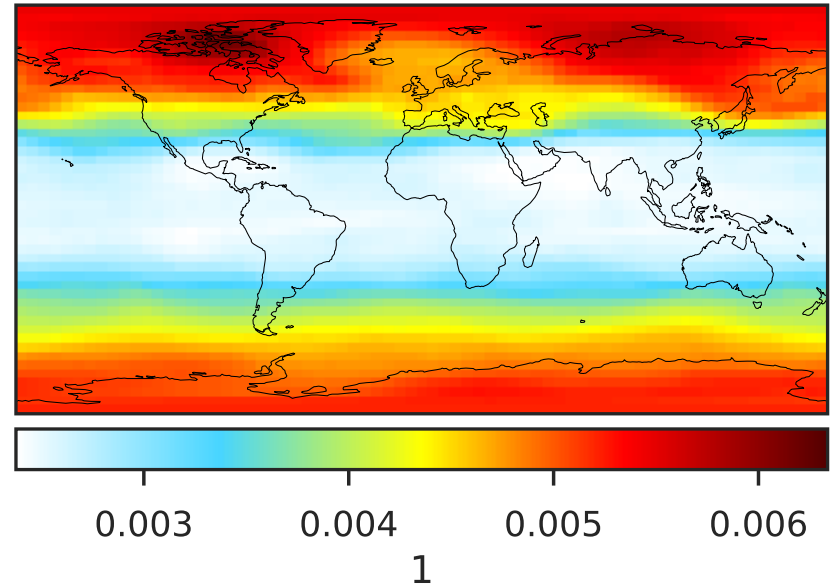
0.50 0.75 1.00 1.50 2.00
unitless

Column_AOD_Strat_Liquid_Aerosol (Apr2019)

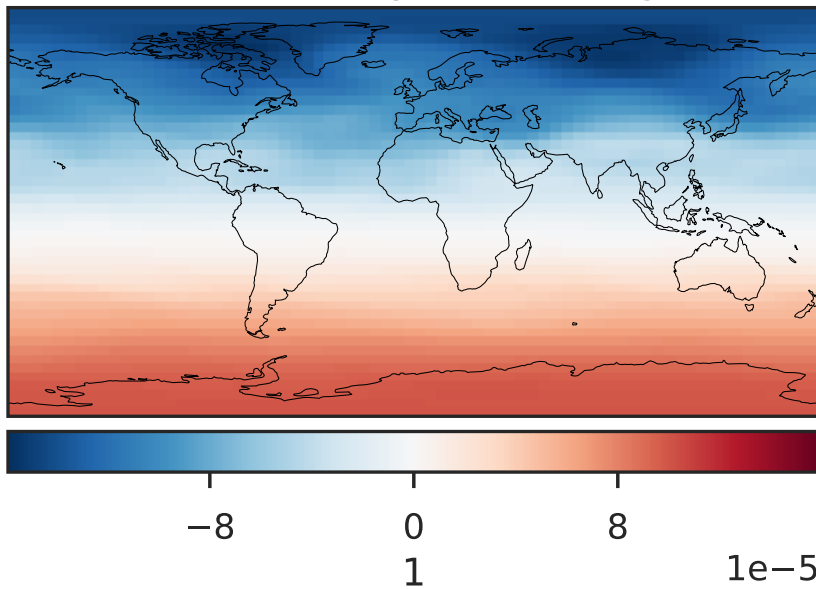
14.2.0-rc.2 (Ref)
4.0x5.0



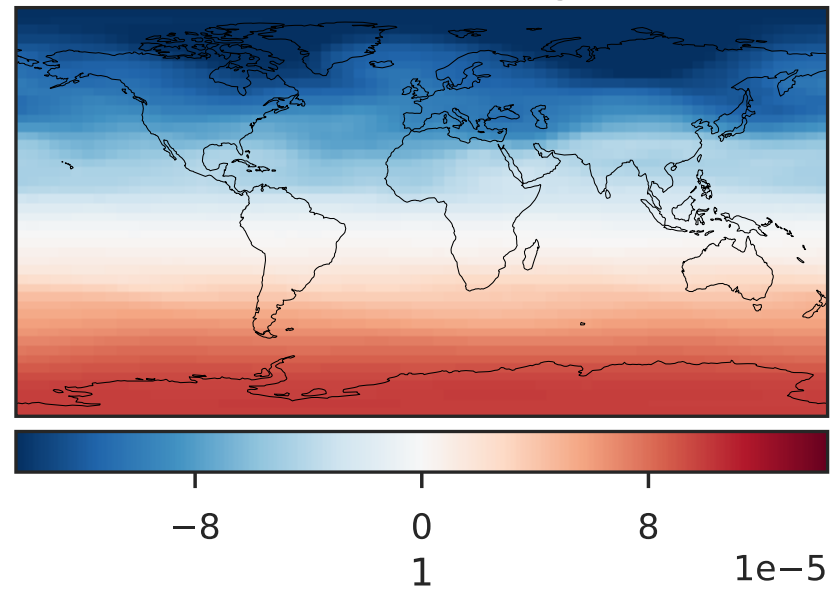
14.3.0-rc.0 (Dev)
4.0x5.0



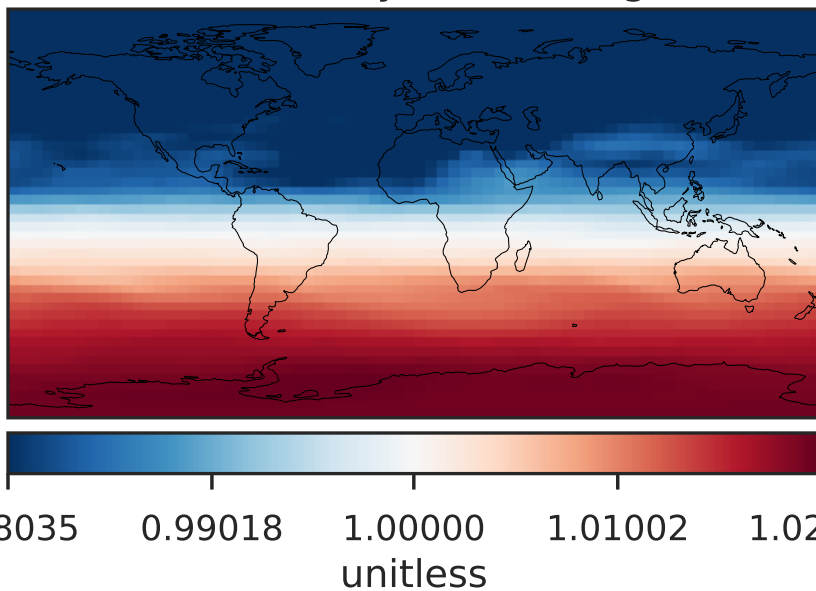
Difference
Dev - Ref, Dynamic Range



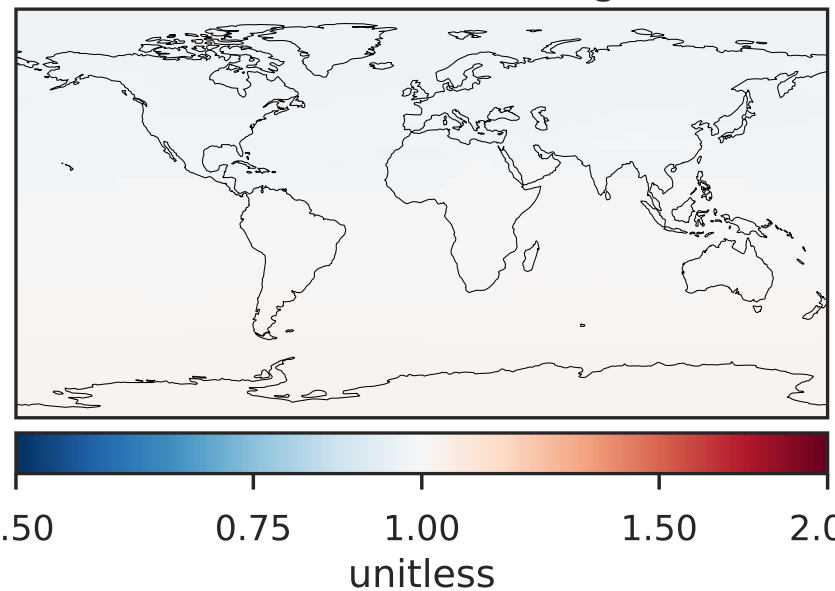
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

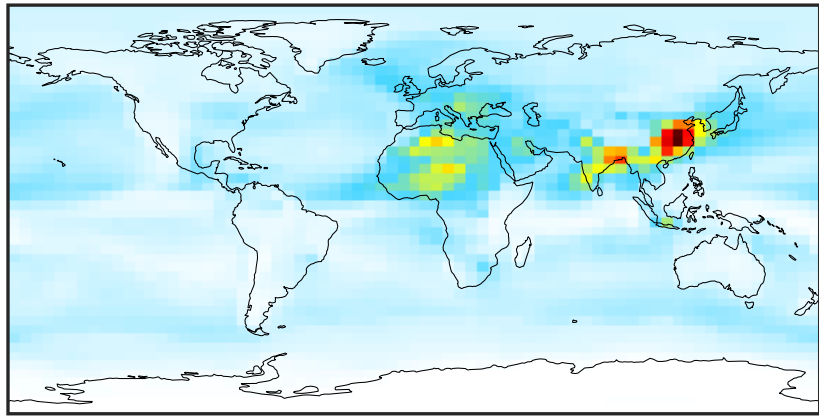


Ratio
Dev/Ref, Fixed Range



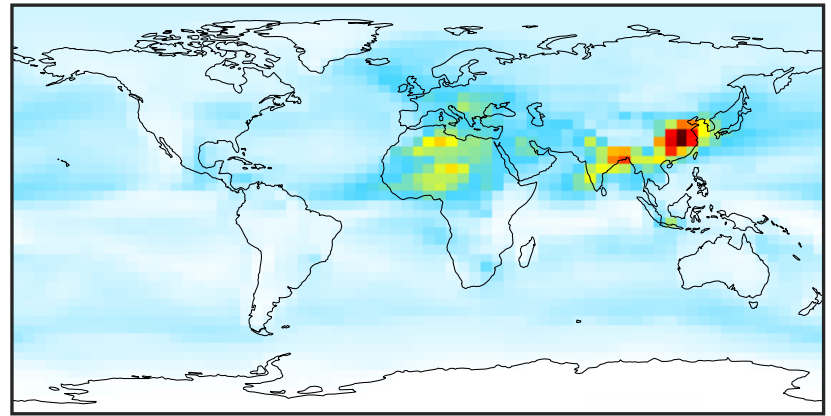
Column_AOD_Total (Apr2019)

14.2.0-rc.2 (Ref)
4.0x5.0



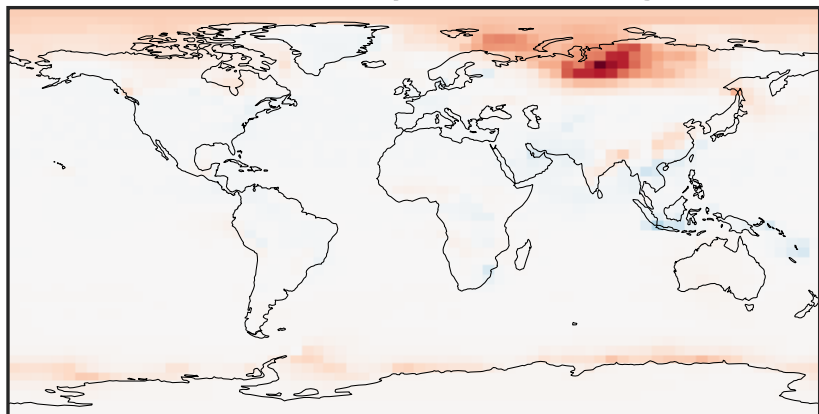
0.009 0.269 0.528 0.787 1.046
1

14.3.0-rc.0 (Dev)
4.0x5.0



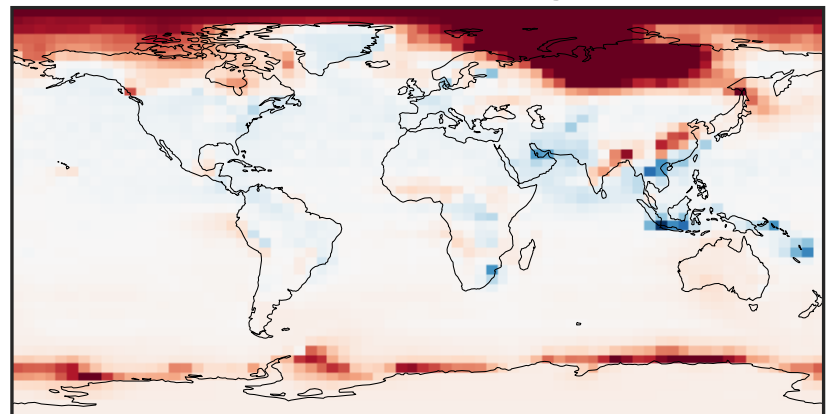
0.009 0.269 0.528 0.787 1.046
1

Difference
Dev - Ref, Dynamic Range



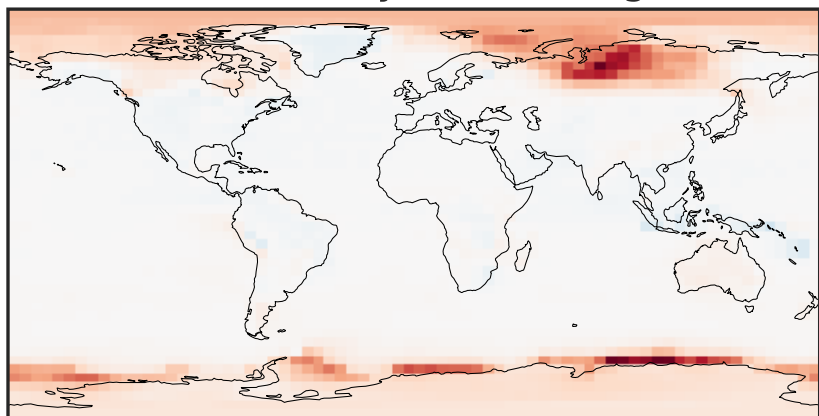
-0.003 0.000 0.003
1

Difference
Dev - Ref, Restricted Range [5%,95%]



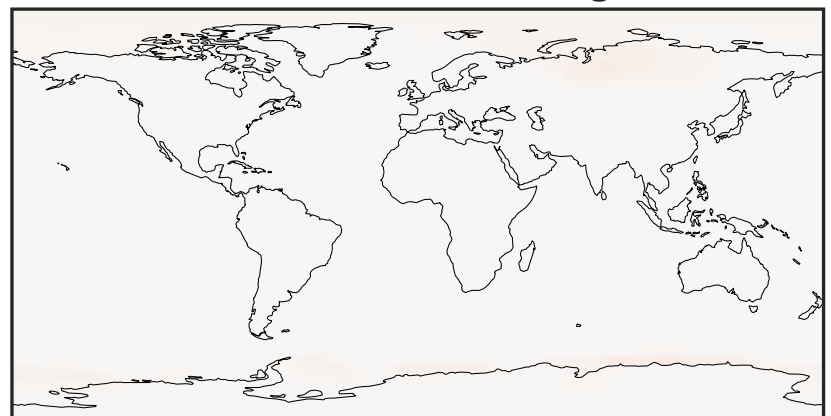
-0.0008 0.0000 0.0008
1

Ratio
Dev/Ref, Dynamic Range



0.9439 0.9719 1.0000 1.0297 1.0594
unitless

Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless