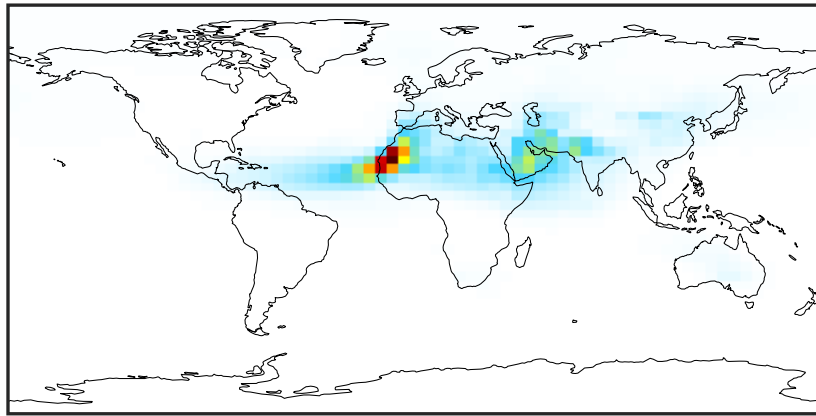


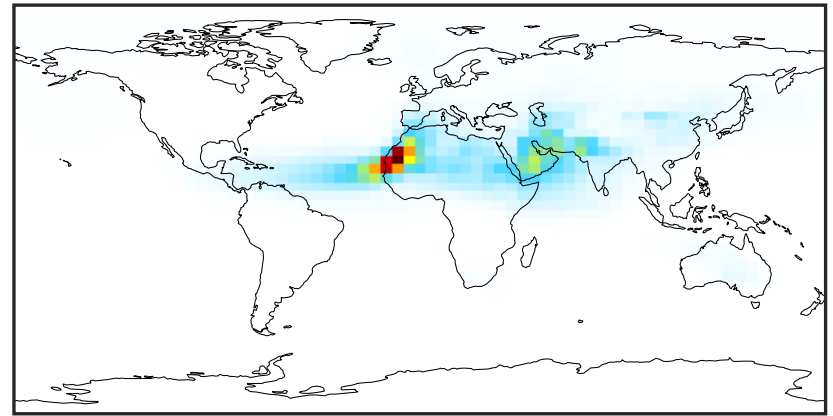
Column_AOD_Dust (Jul2019)

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



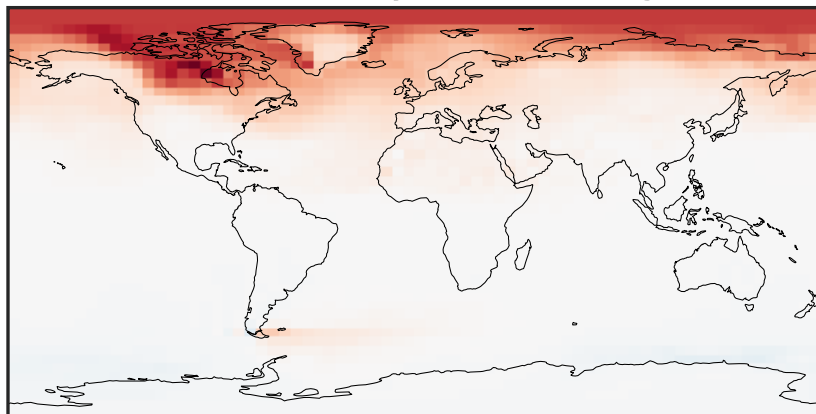
0.000 0.167 0.334 0.501 0.668
1

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



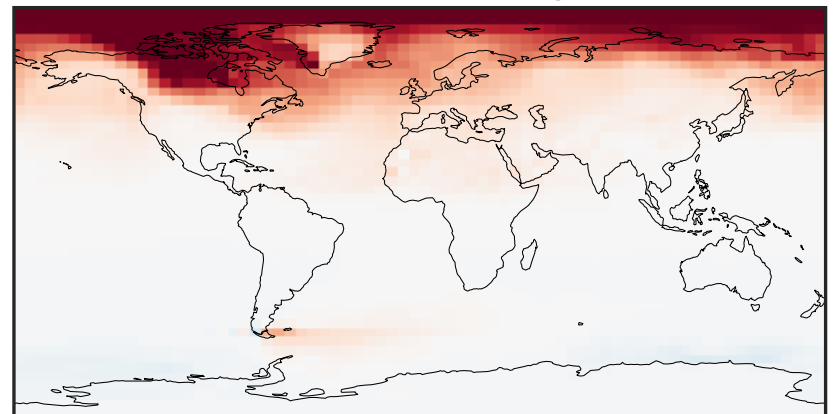
0.000 0.167 0.334 0.501 0.668
1

Difference
Dev - Ref, Dynamic Range



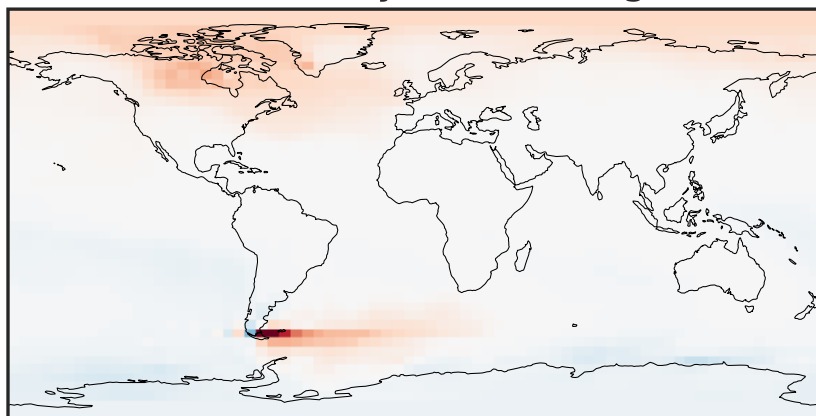
-8 0 8
1 1e-7

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



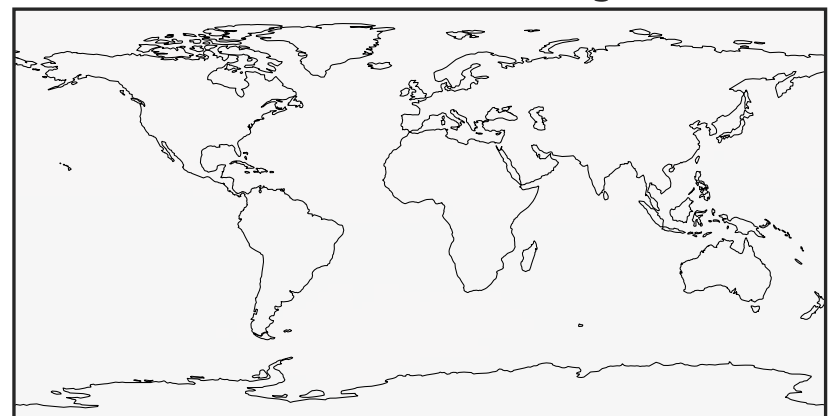
-5 0 5
1 1e-7

Ratio
Dev/Ref, Dynamic Range



0.998737 0.999368 1.000000 1.000632 1.001265
unitless

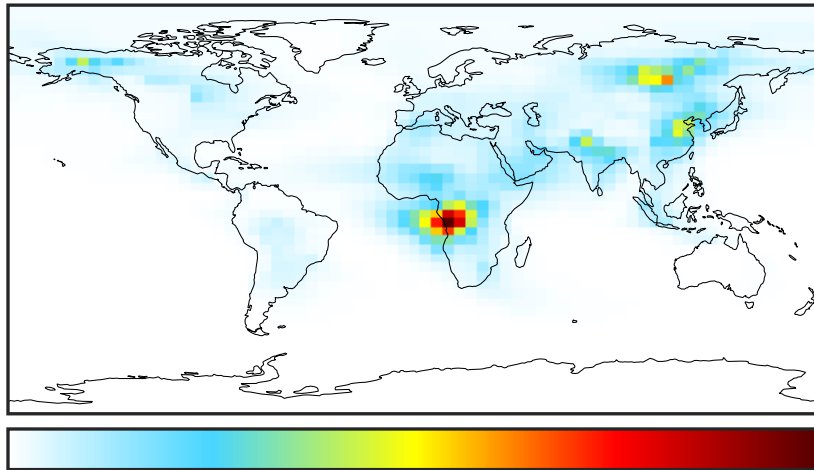
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

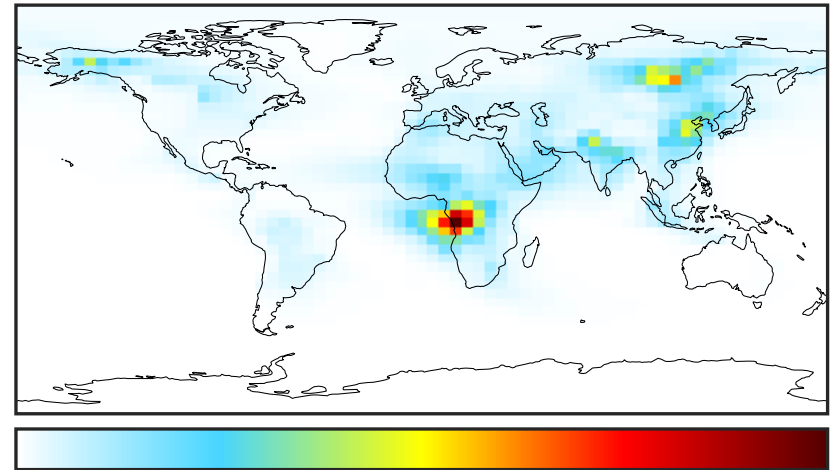
Column_AOD_BCPI (Jul2019)

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



0.015 1 0.030

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



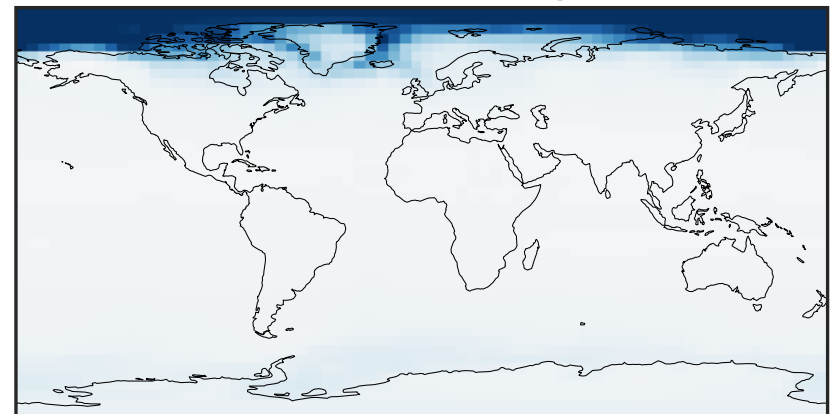
0.015 1 0.030

Difference
Dev - Ref, Dynamic Range



-8 0 8
1 1e-6

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



-4 0 4
1 1e-6

Ratio
Dev/Ref, Dynamic Range



0.99999553 1.0000000 1.00000447
unitless

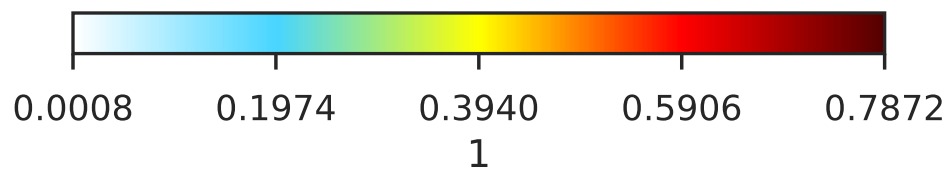
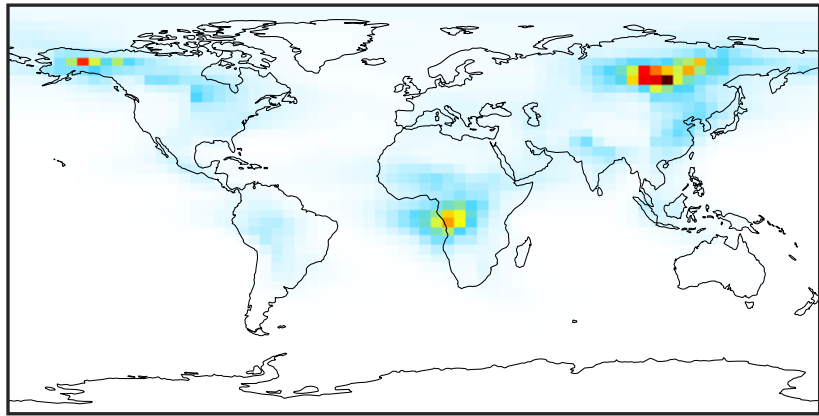
Ratio
Dev/Ref, Fixed Range



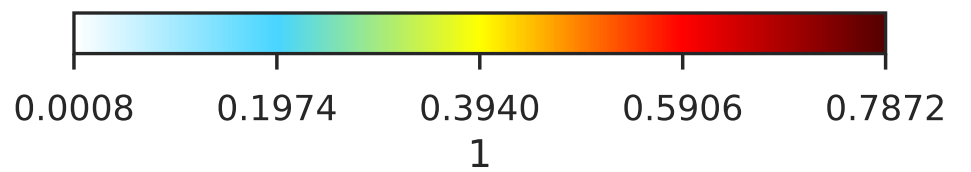
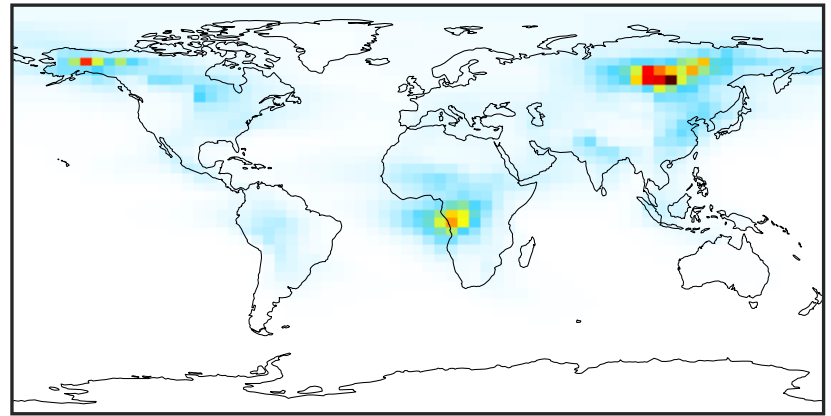
0.50 0.75 1.00 1.50 2.00
unitless

Column_AOD_OCPI (Jul2019)

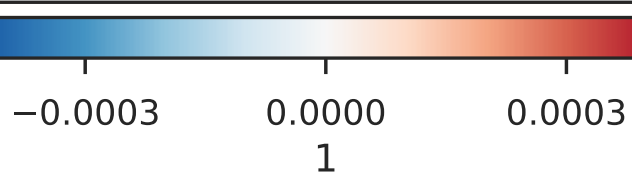
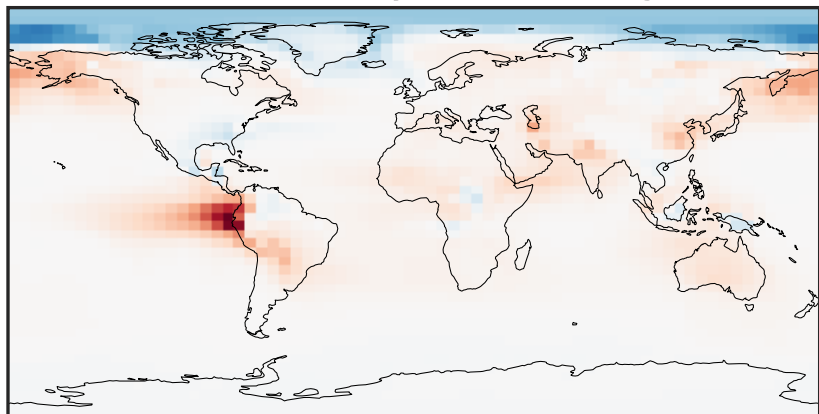
14.2.0-rc.2 (Ref)
4.0x5.0



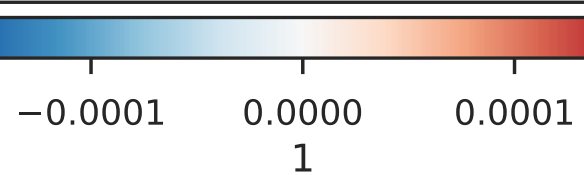
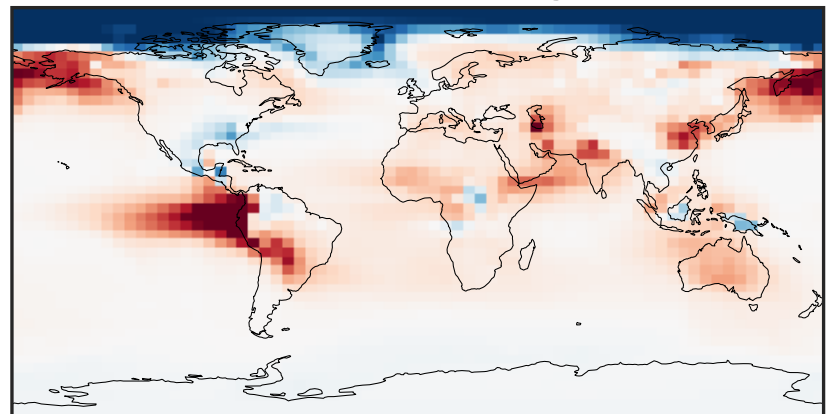
14.3.0-rc.0 (Dev)
4.0x5.0



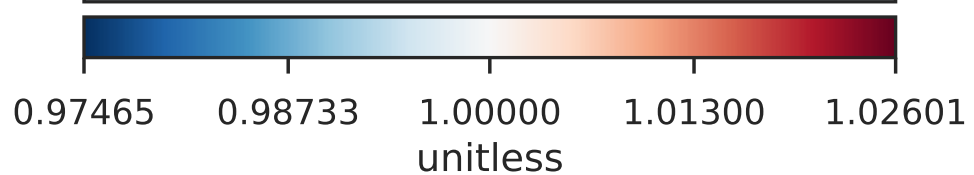
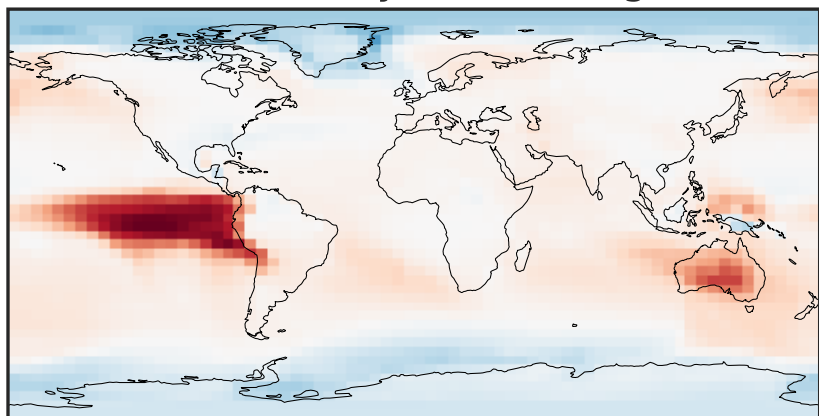
Difference
Dev - Ref, Dynamic Range



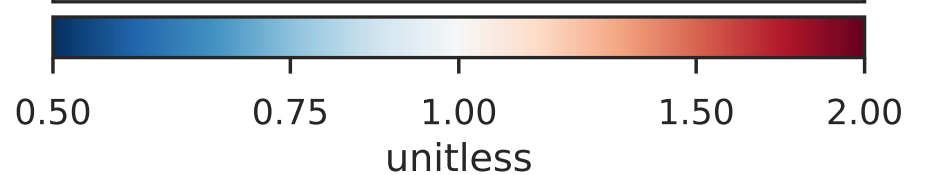
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

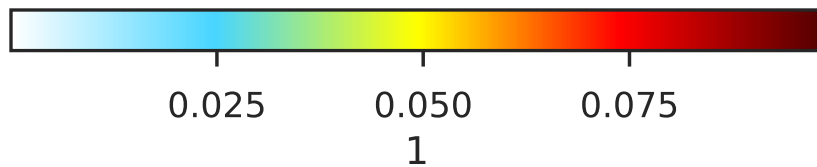
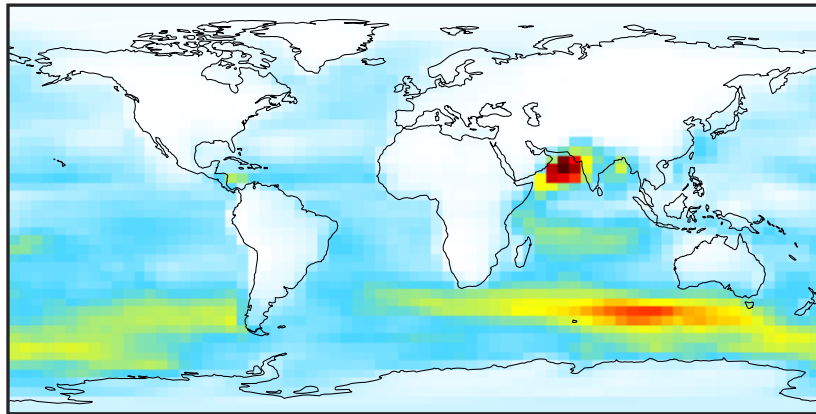


Ratio
Dev/Ref, Fixed Range

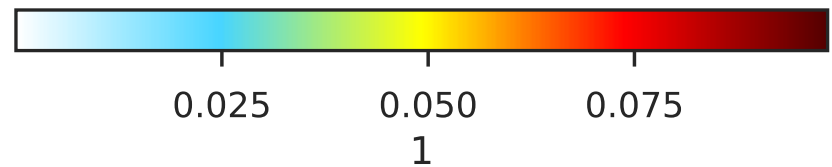
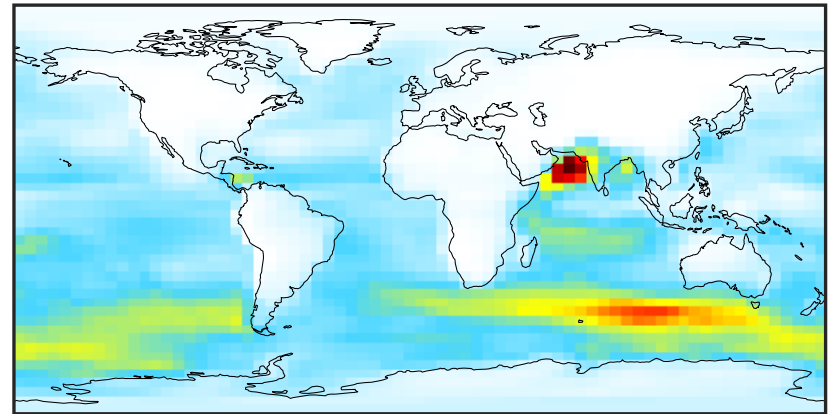


Column_AOD_SALA (Jul2019)

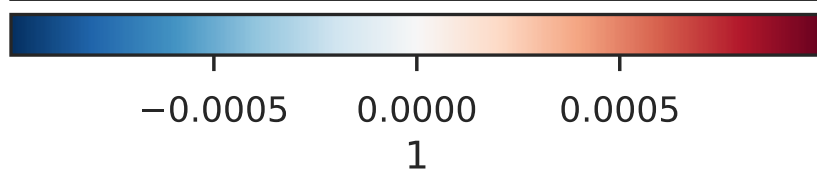
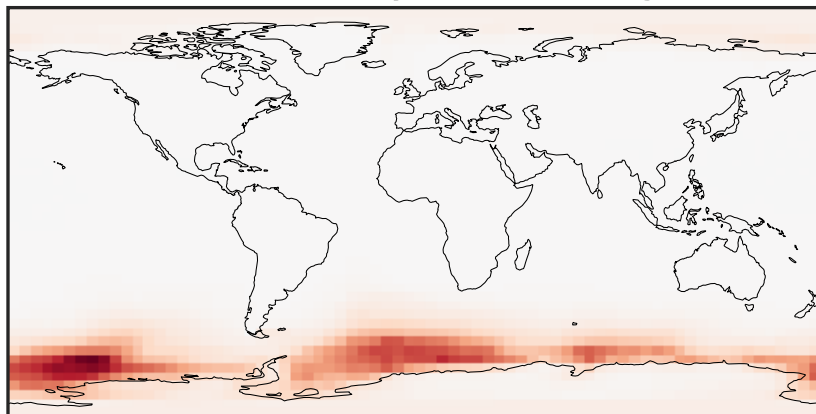
14.2.0-rc.2 (Ref)
4.0x5.0



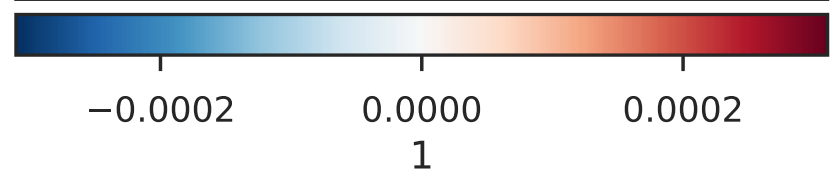
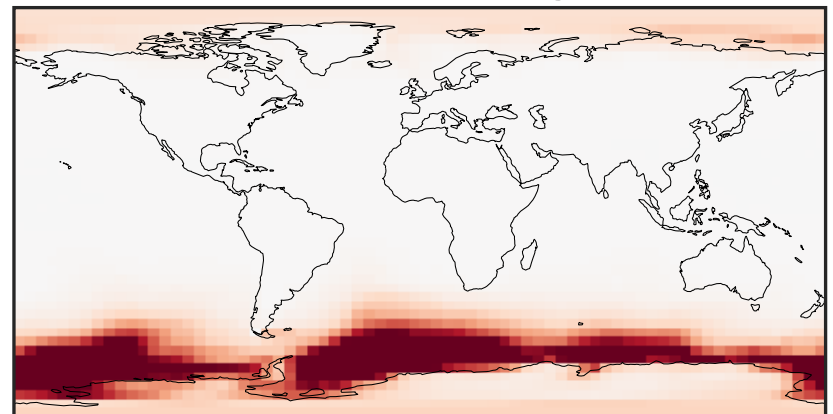
14.3.0-rc.0 (Dev)
4.0x5.0



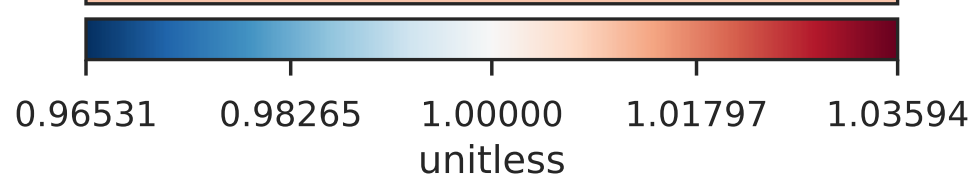
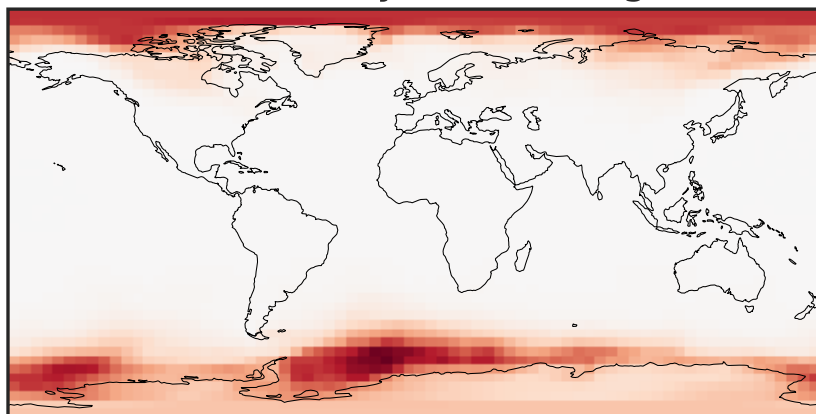
Difference
Dev - Ref, Dynamic Range



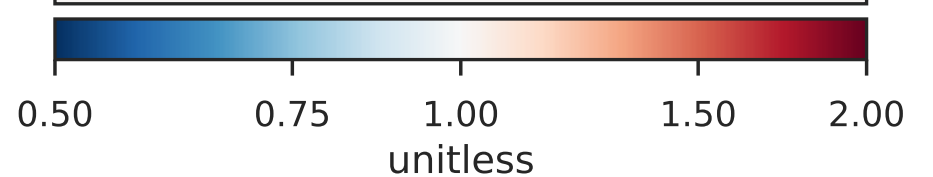
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

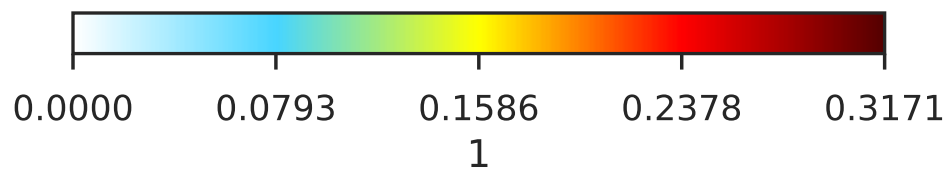
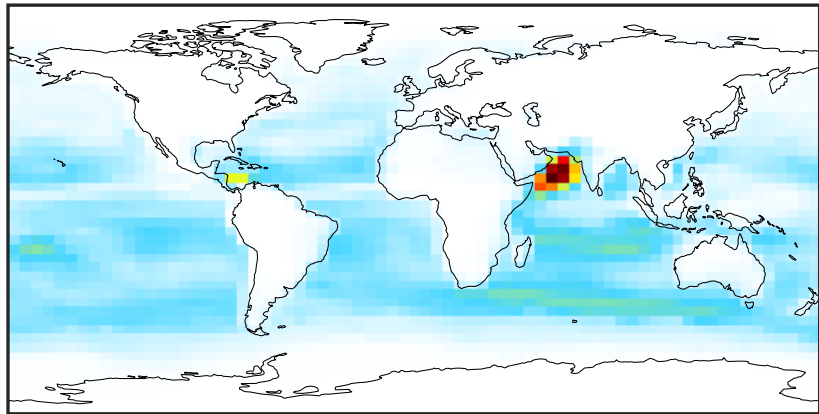


Ratio
Dev/Ref, Fixed Range

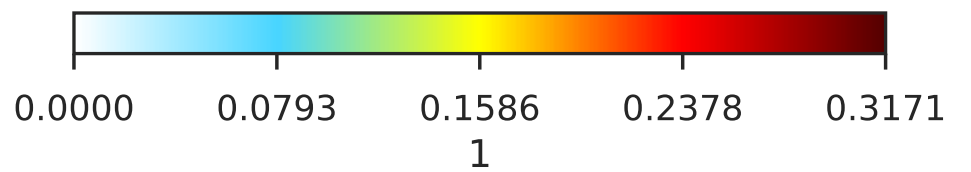
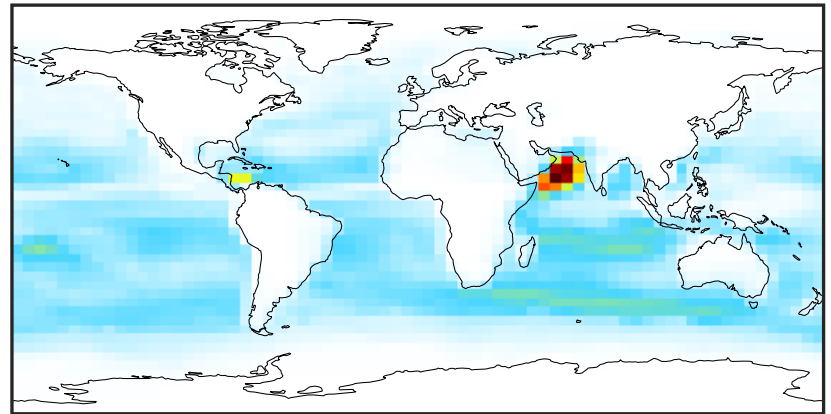


Column_AOD_SALC (Jul2019)

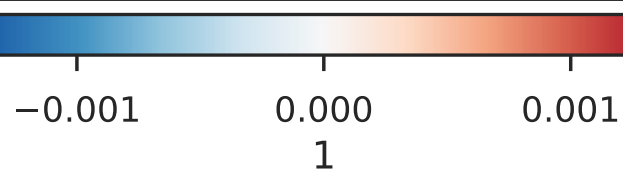
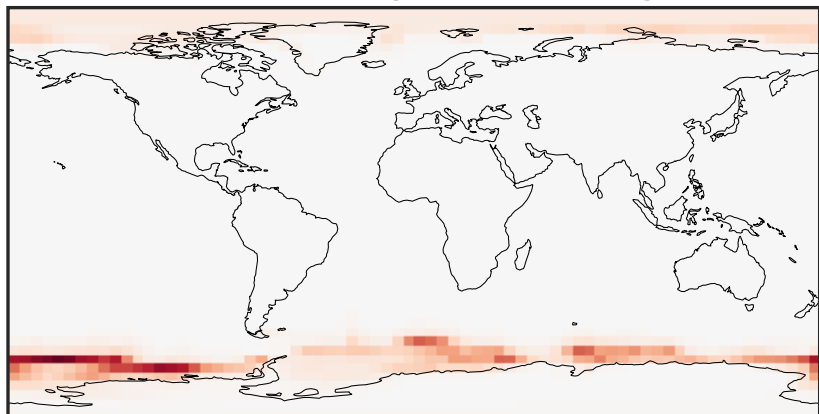
14.2.0-rc.2 (Ref)
4.0x5.0



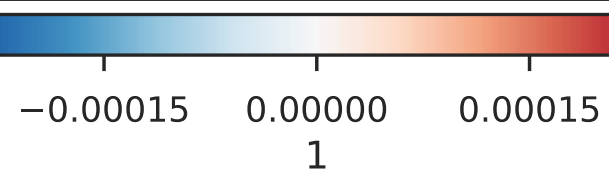
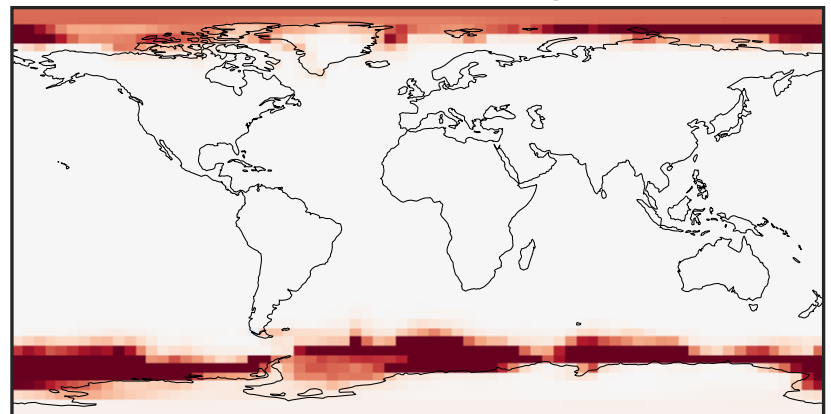
14.3.0-rc.0 (Dev)
4.0x5.0



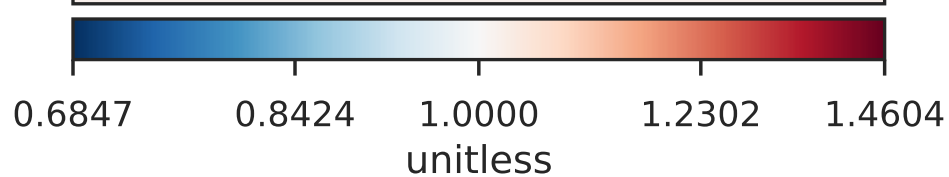
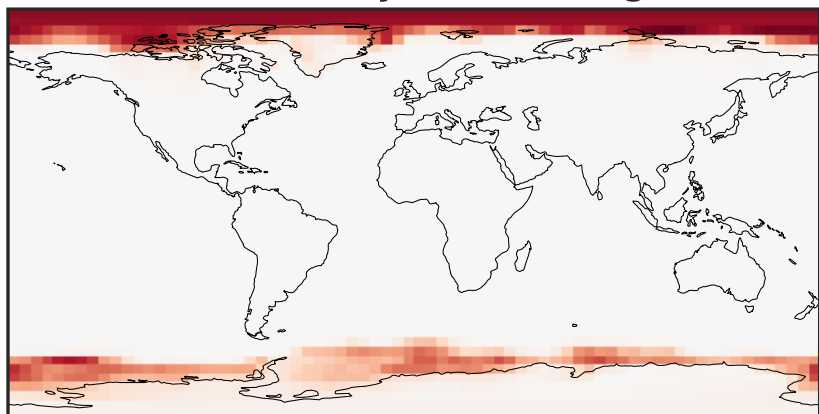
Difference
Dev - Ref, Dynamic Range



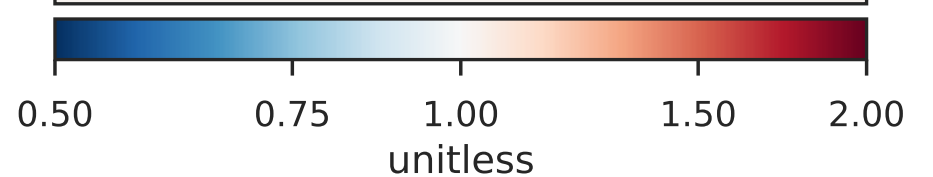
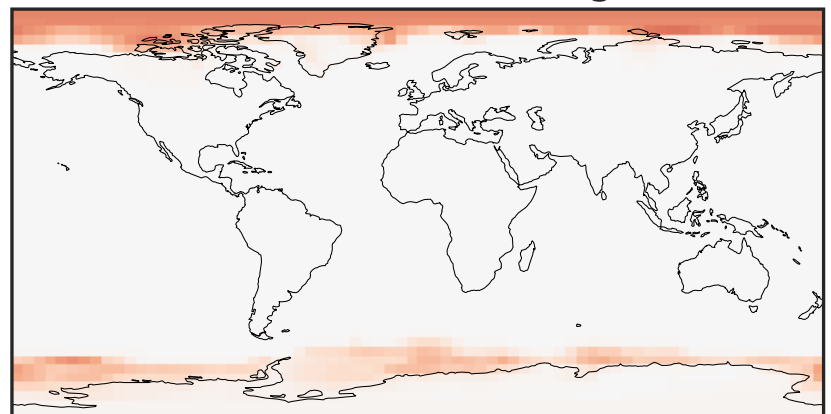
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

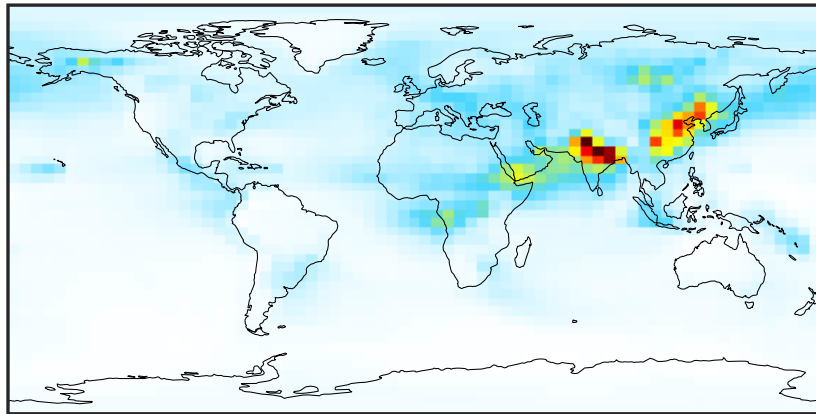


Ratio
Dev/Ref, Fixed Range



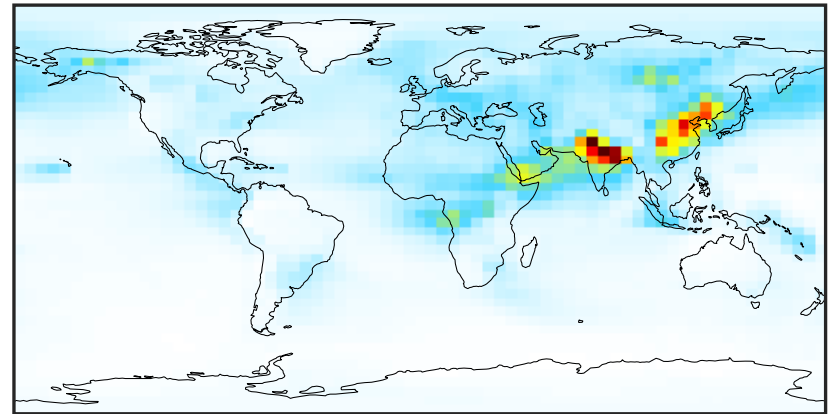
Column_AOD_SO4 (Jul2019)

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



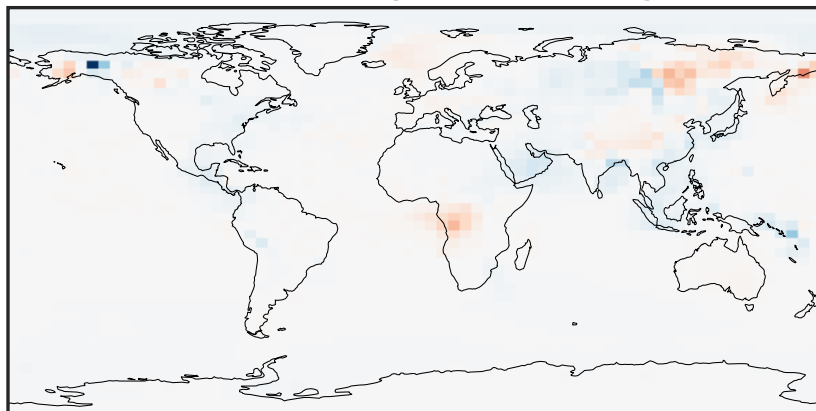
0.0020 0.1006 0.1992 0.2978 0.3964
1

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



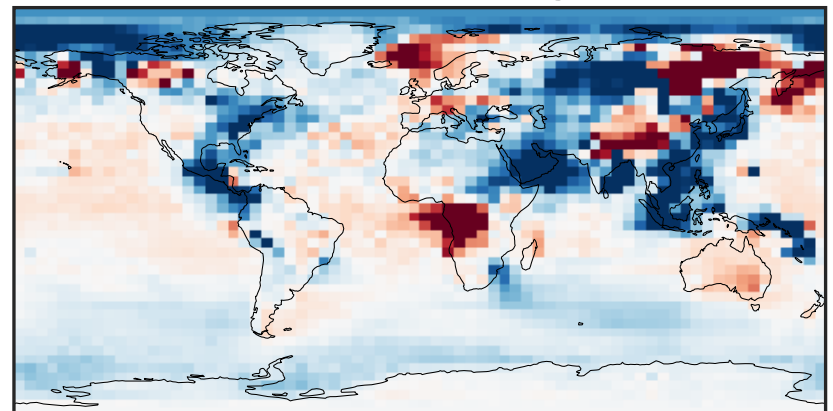
0.0020 0.1006 0.1992 0.2978 0.3964
1

Difference
Dev - Ref, Dynamic Range



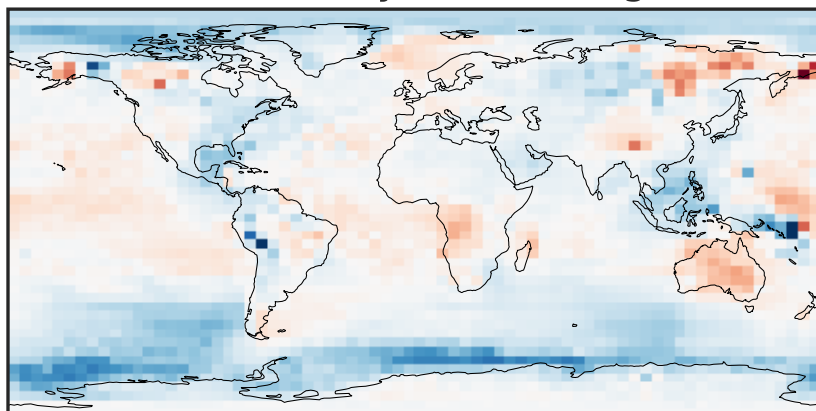
-0.002 0.000 0.002
1

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



-0.00015 0.00000 0.00015
1

Ratio
Dev/Ref, Dynamic Range



0.97404 0.98702 1.00000 1.01332 1.02665
unitless

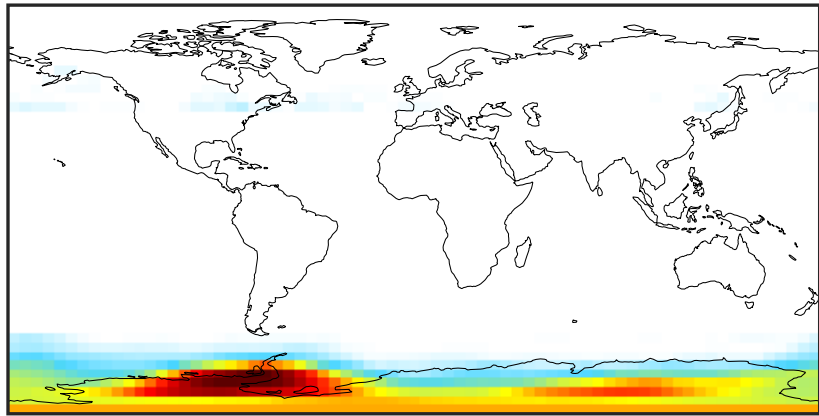
Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless

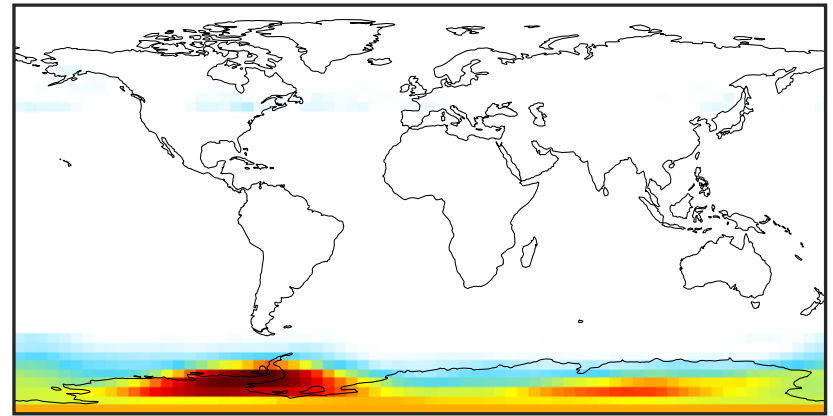
Column_AOD_Polar_Strat_Cloud (Jul2019)

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



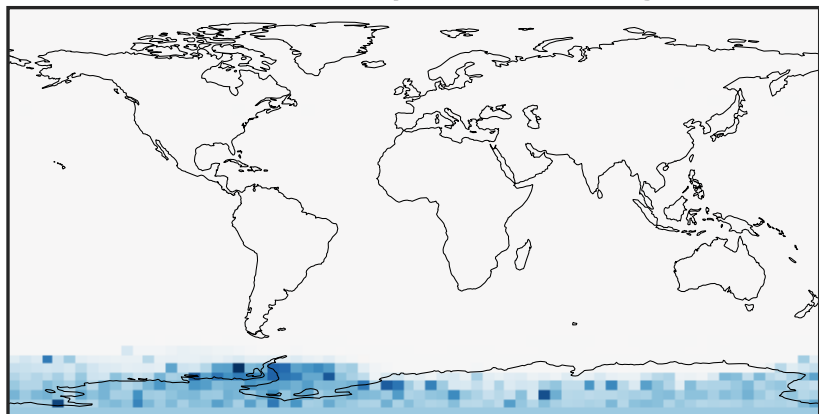
0.0000 0.0385 0.0770 0.1155 0.1540
1

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



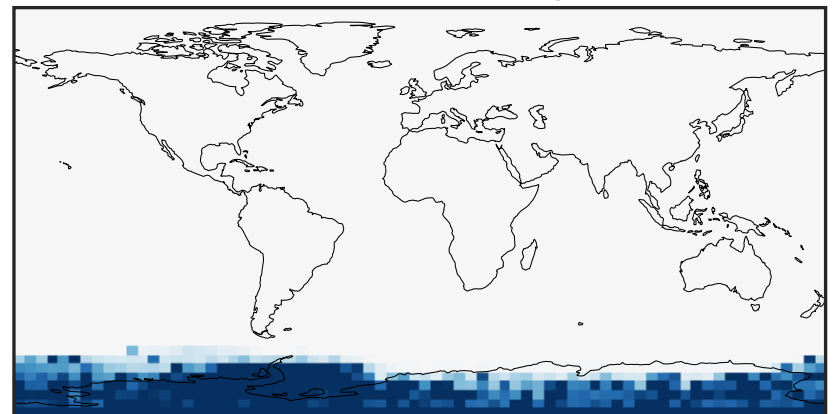
0.0000 0.0385 0.0770 0.1155 0.1540
1

Difference
Dev - Ref, Dynamic Range



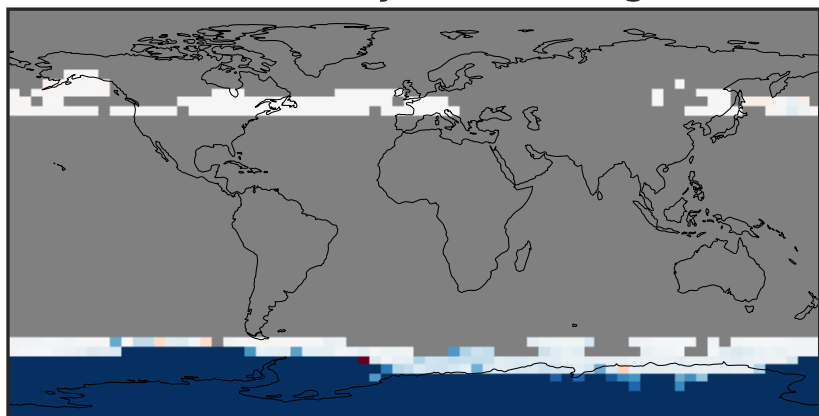
-0.0004 0.0000 0.0004
1

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



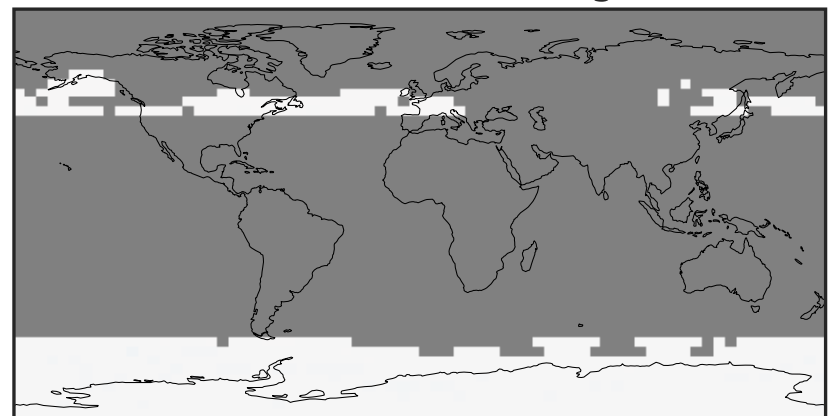
-0.00015 0.00000 0.00015
1

Ratio
Dev/Ref, Dynamic Range



0.998484 0.999242 1.000000 1.000759 1.001518
unitless

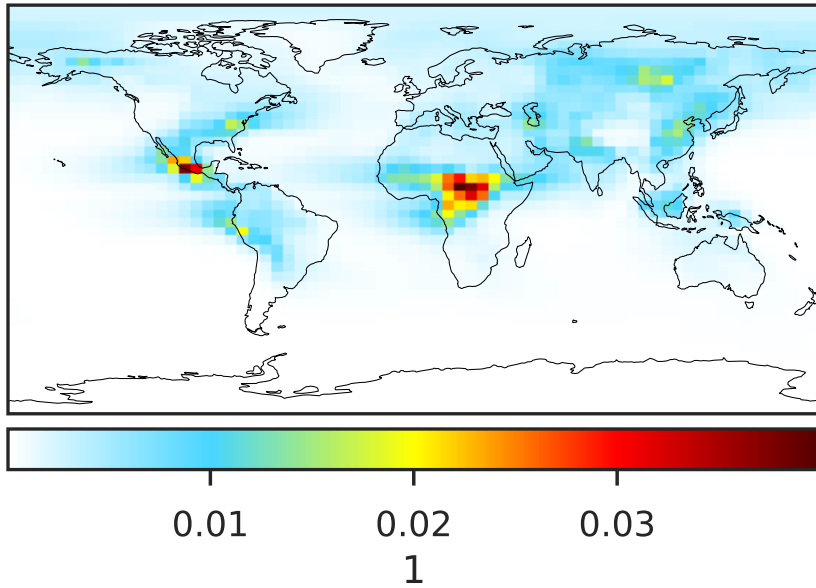
Ratio
Dev/Ref, Fixed Range



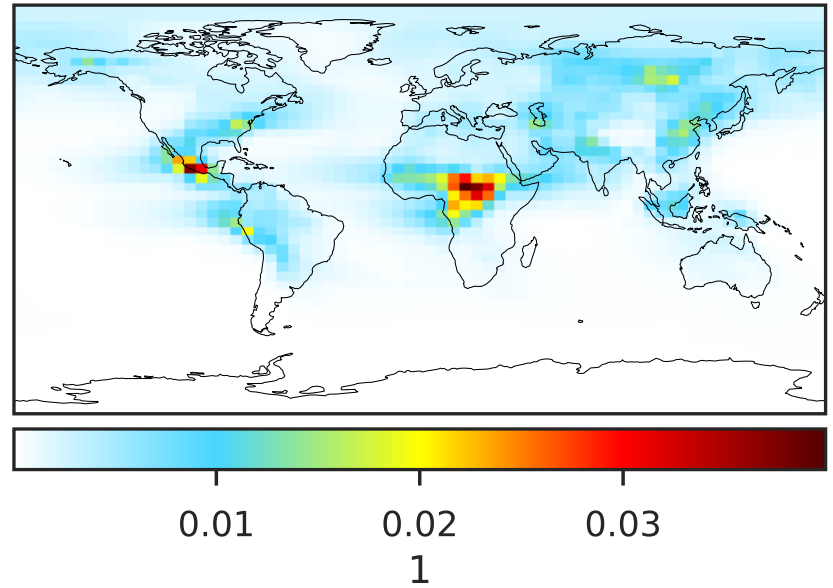
0.50 0.75 1.00 1.50 2.00
unitless

Column_AOD_SOA_from_Aqueous_ISOP (Jul2019)

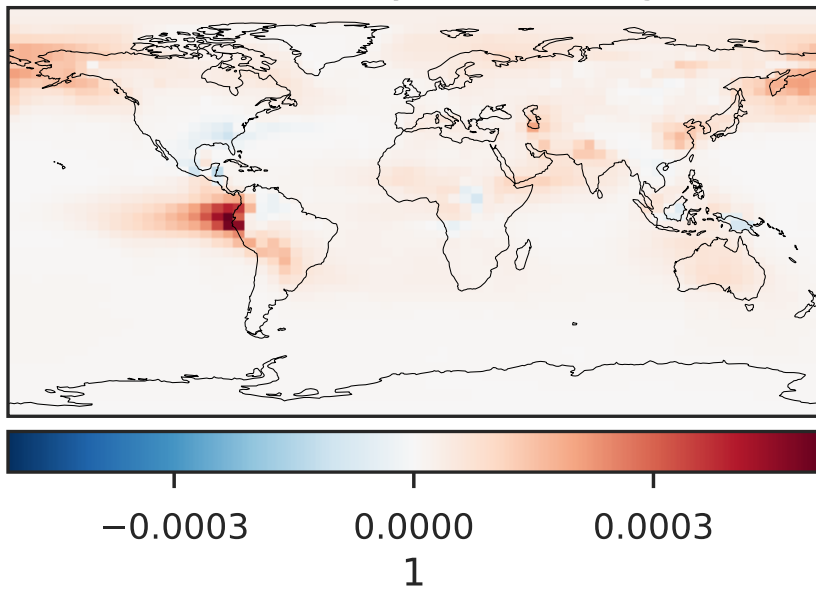
14.2.0-rc.2 (Ref)
4.0x5.0



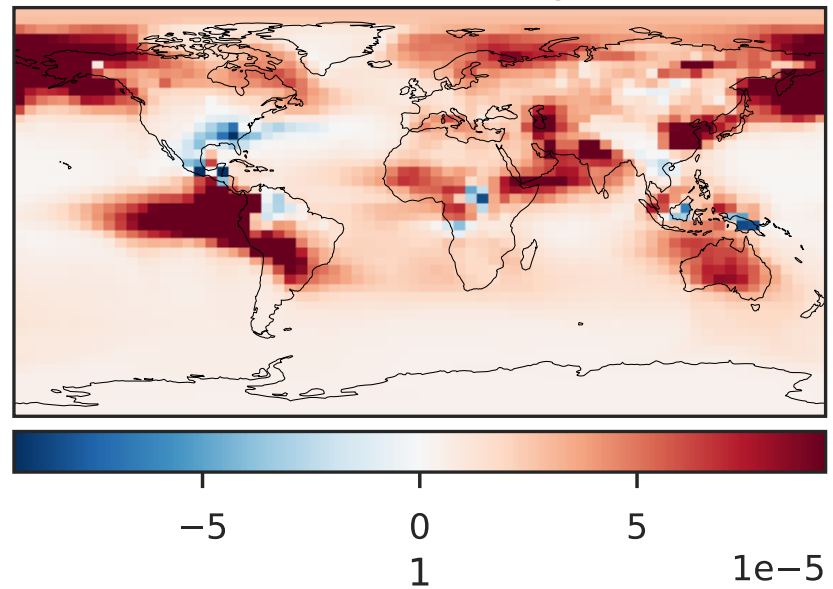
14.3.0-rc.0 (Dev)
4.0x5.0



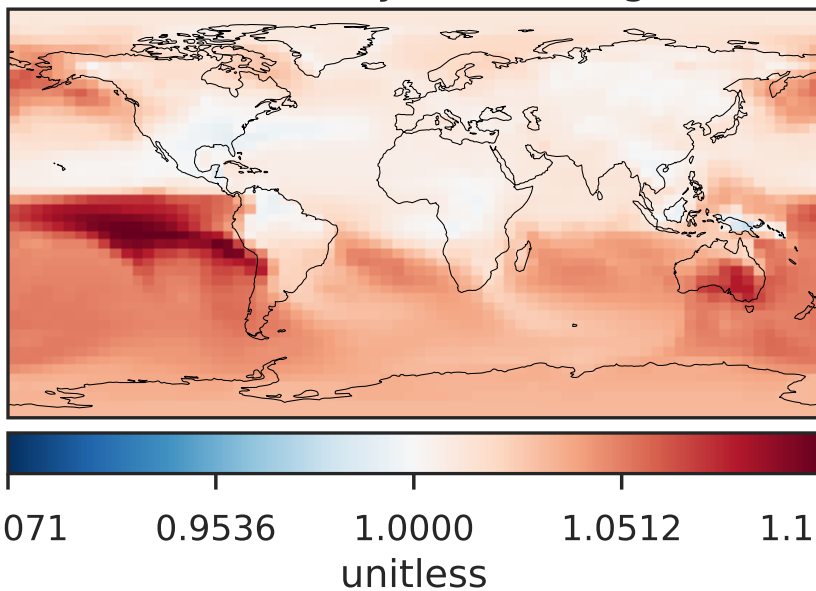
Difference
Dev - Ref, Dynamic Range



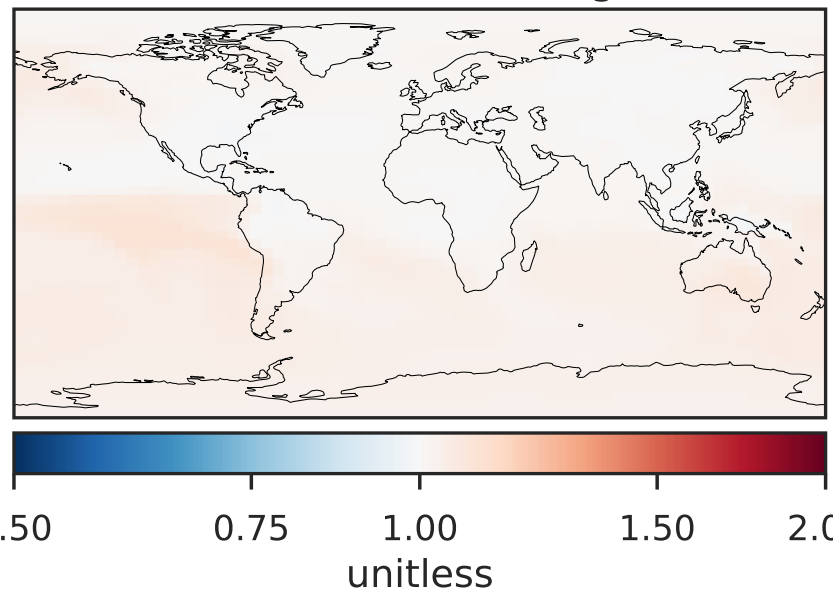
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

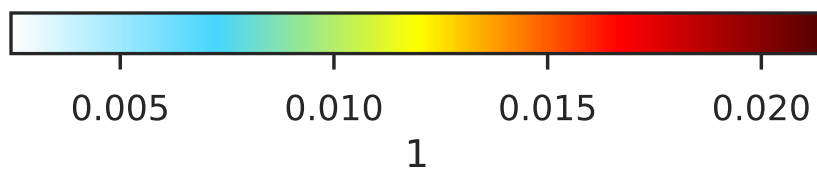
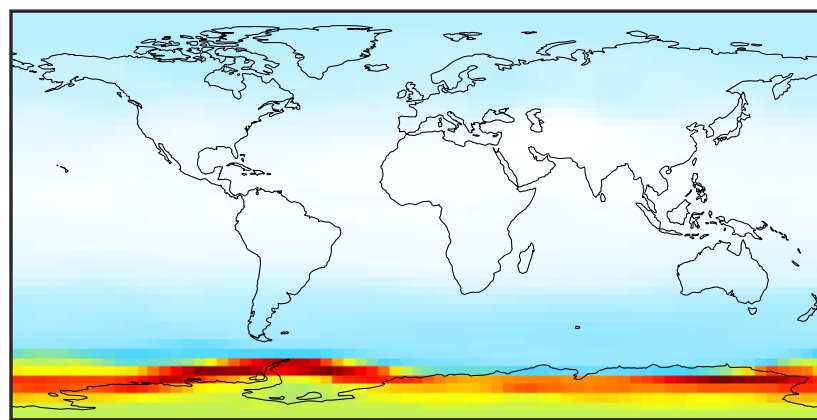


Ratio
Dev/Ref, Fixed Range

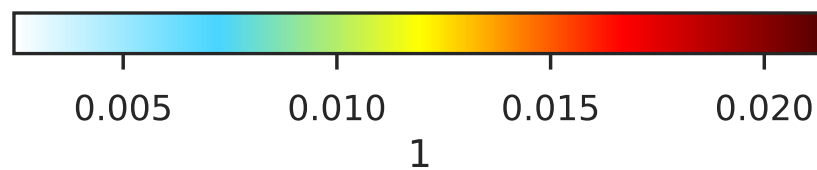
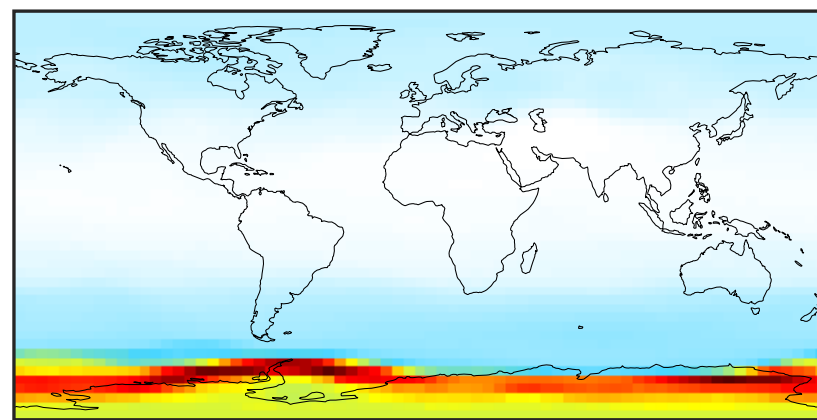


Column_AOD_Strat_Liquid_Aerosol (Jul2019)

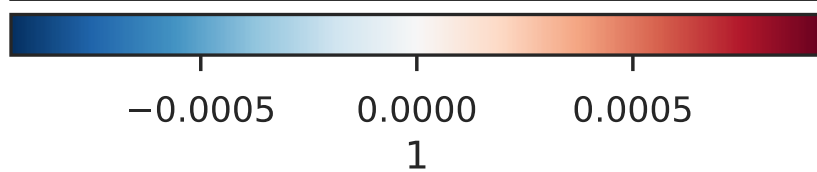
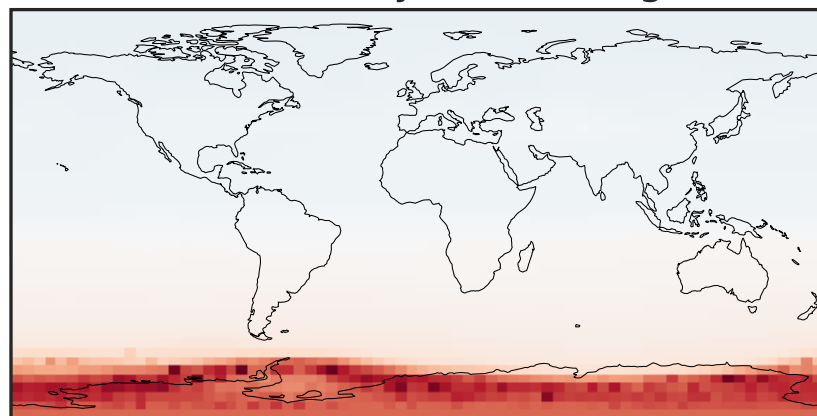
14.2.0-rc.2 (Ref)
4.0x5.0



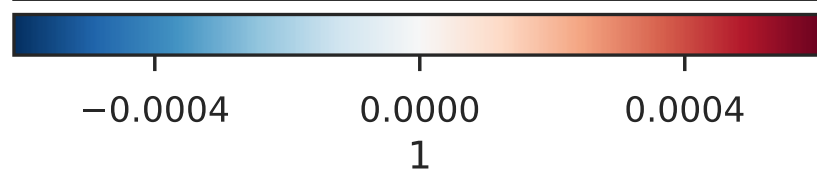
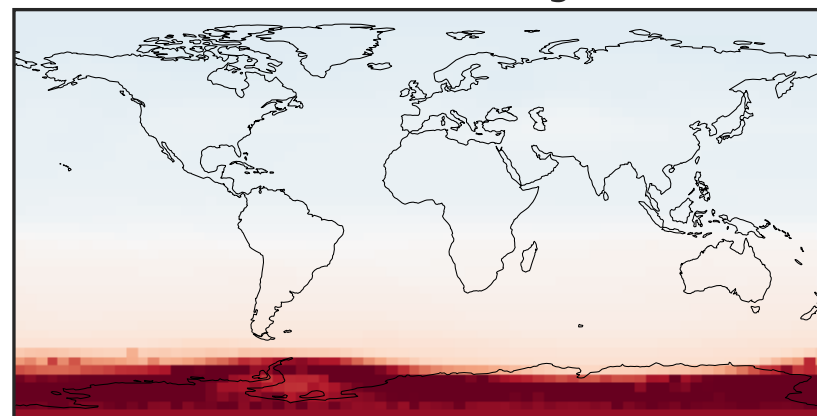
14.3.0-rc.0 (Dev)
4.0x5.0



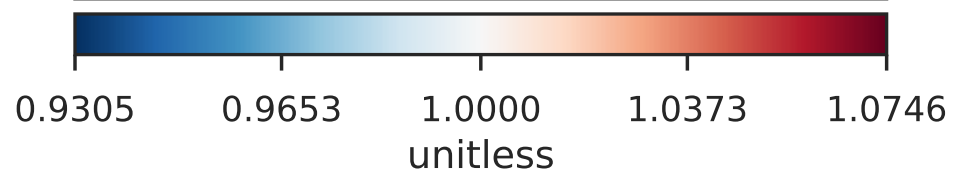
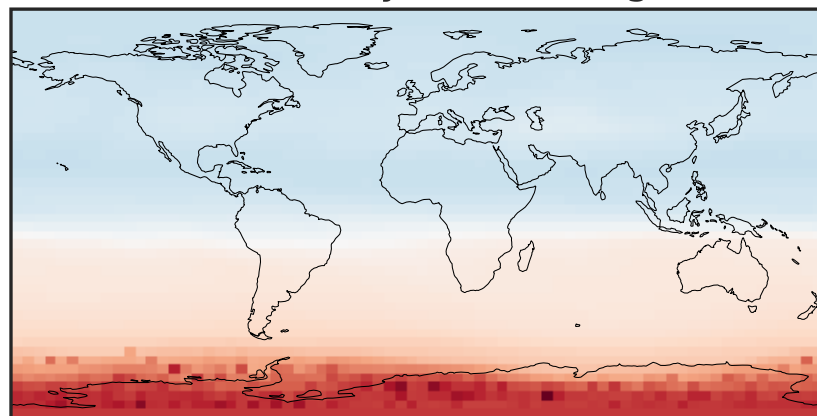
Difference
Dev - Ref, Dynamic Range



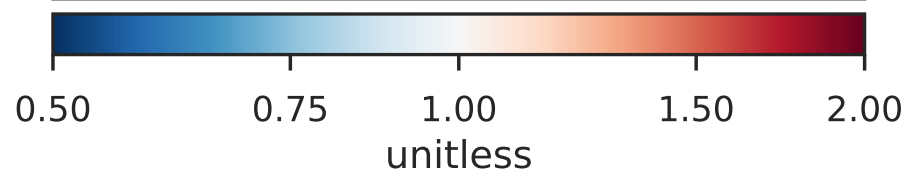
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

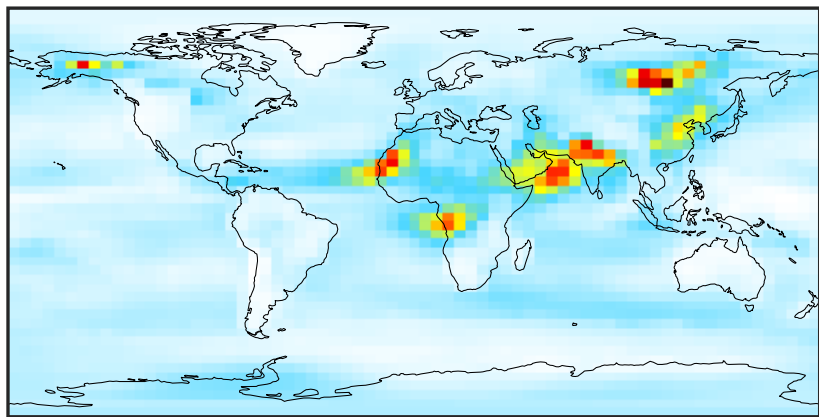


Ratio
Dev/Ref, Fixed Range



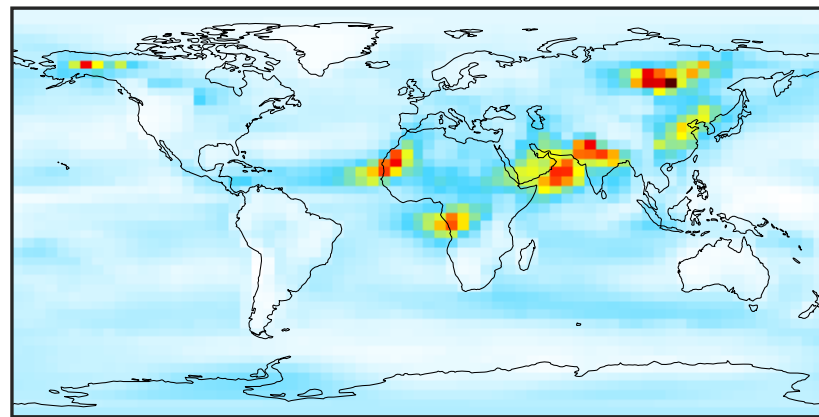
Column_AOD_Total (Jul2019)

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



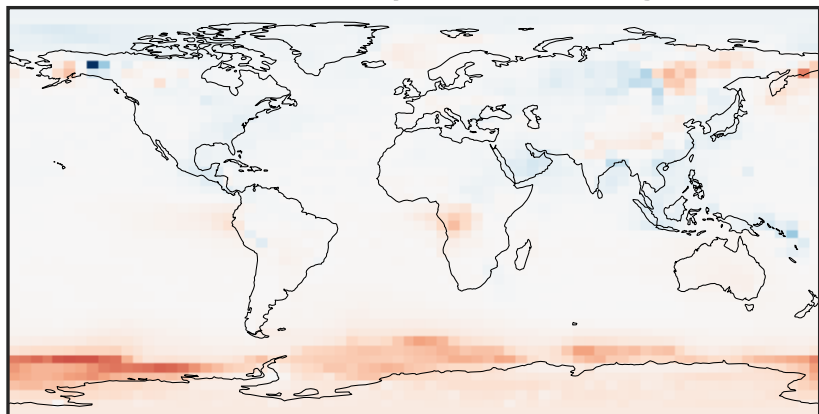
0.0135 0.2538 0.4941 0.7343 0.9746
1

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



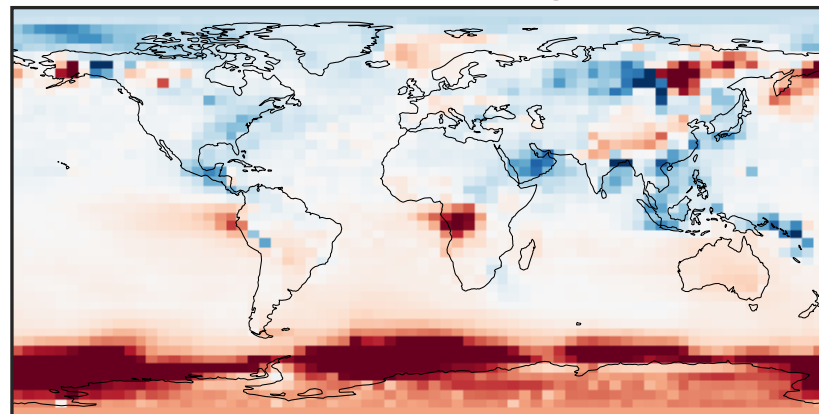
0.0135 0.2538 0.4941 0.7343 0.9746
1

Difference
Dev - Ref, Dynamic Range



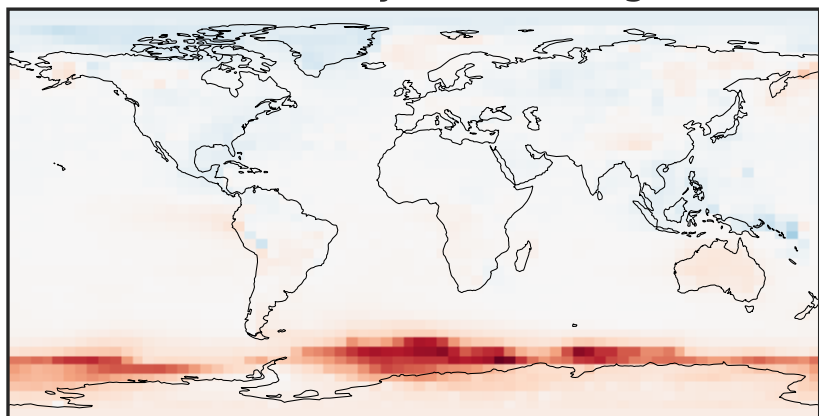
-0.002 0.000 0.002
1

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



-0.0005 0.0000 0.0005
1

Ratio
Dev/Ref, Dynamic Range



0.96207 0.98104 1.00000 1.01971 1.03942
unitless

Ratio
Dev/Ref, Fixed Range



0.50 0.75 1.00 1.50 2.00
unitless