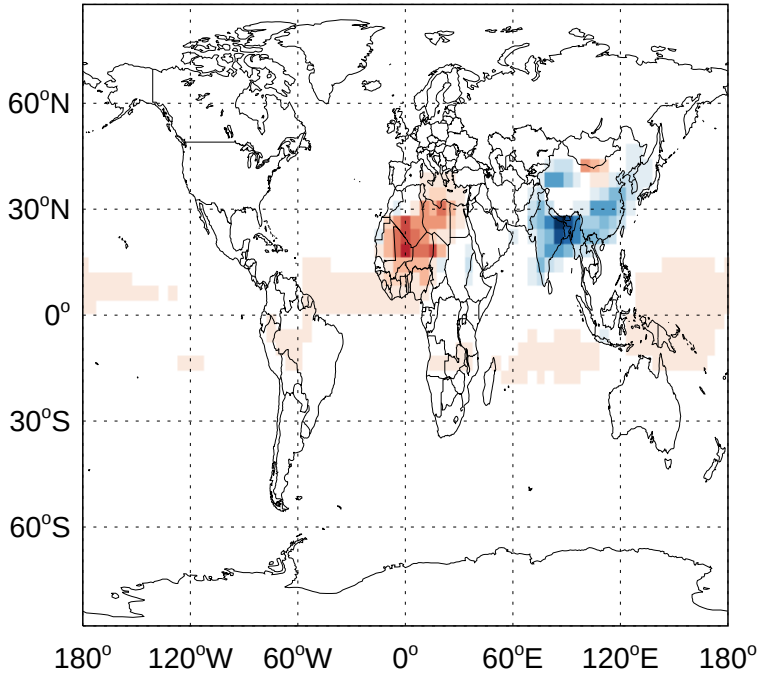


GEOS-Chem J-Values at surface and 500 hPa

GC_12.4.0 - GC_12.0.0

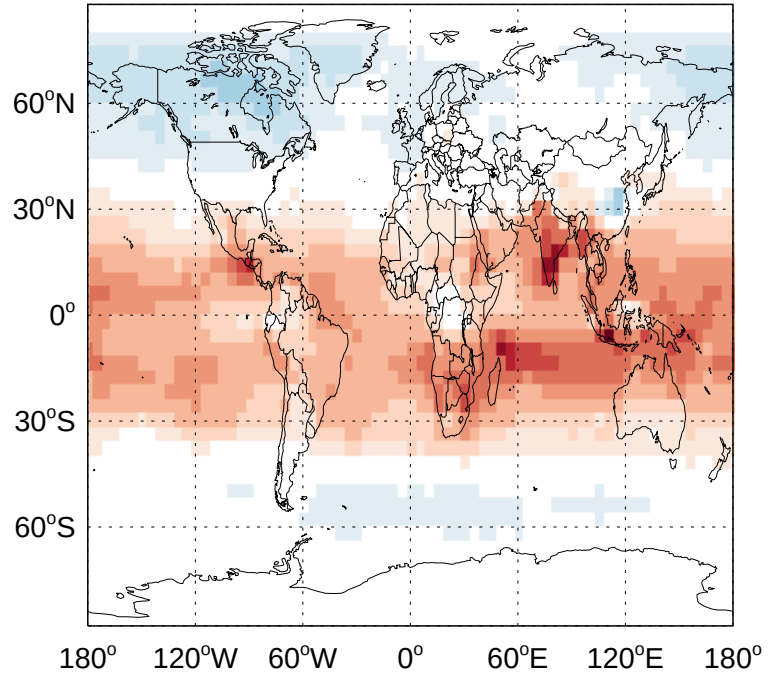
JNO2 - J-Value Diff @ surface for Apr



-5.66e-04 -1.89e-04 1.89e-04 5.66e-04s-1

GC_12.4.0 - GC_12.0.0

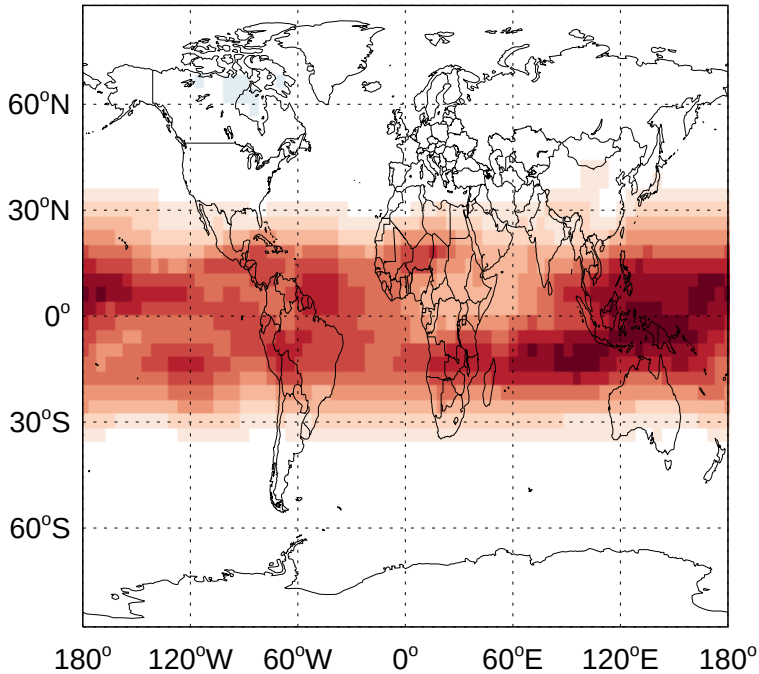
JNO2 - J-Value Diff @ 500 hPa for Apr



-2.29e-04 -7.63e-05 7.63e-05 2.29e-04s-1

GC_12.4.0 - GC_12.0.0

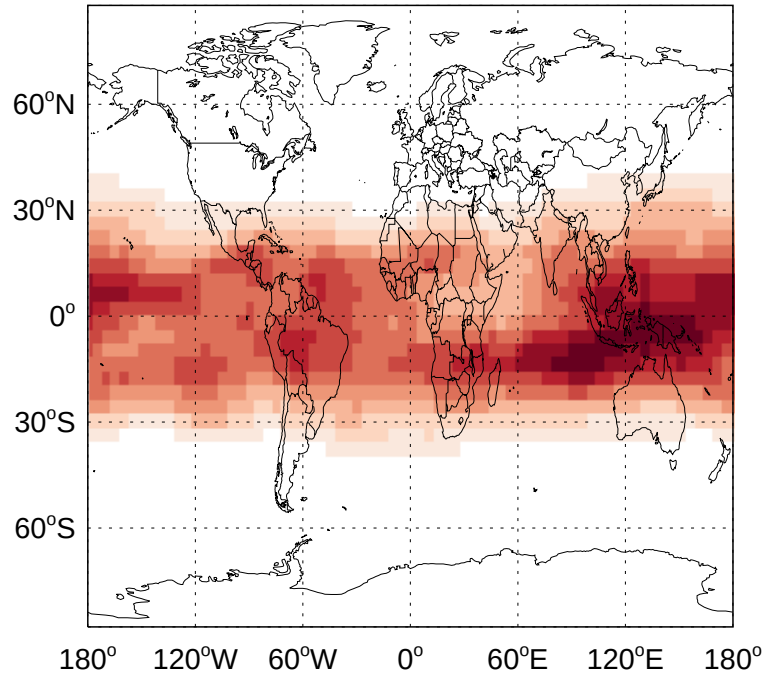
JHNO3 - J-Value Diff @ surface for Apr



-3.67e-07 -1.22e-07 1.22e-07 3.67e-07s-1

GC_12.4.0 - GC_12.0.0

JHNO3 - J-Value Diff @ 500 hPa for Apr

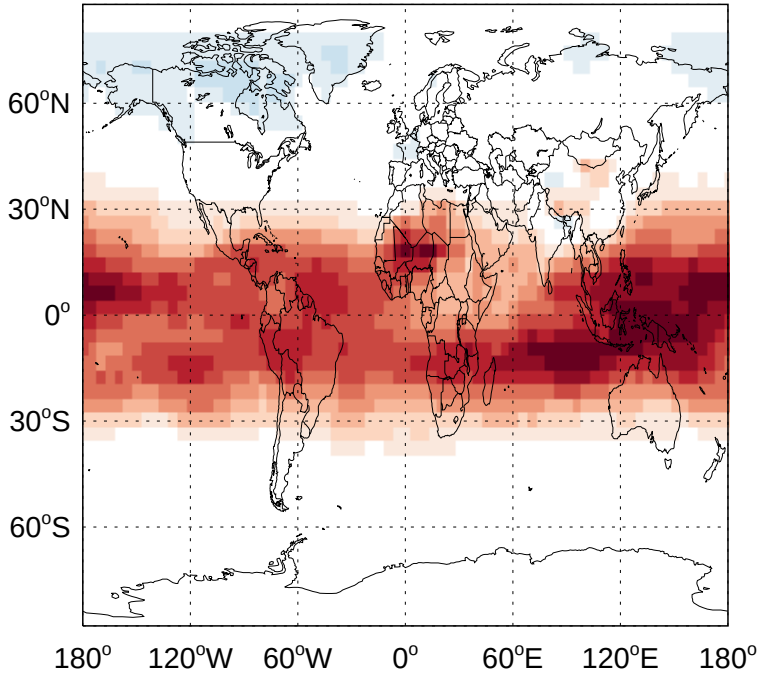


-6.41e-07 -2.14e-07 2.14e-07 6.41e-07s-1

GEOS-Chem J-Values at surface and 500 hPa

GC_12.4.0 - GC_12.0.0

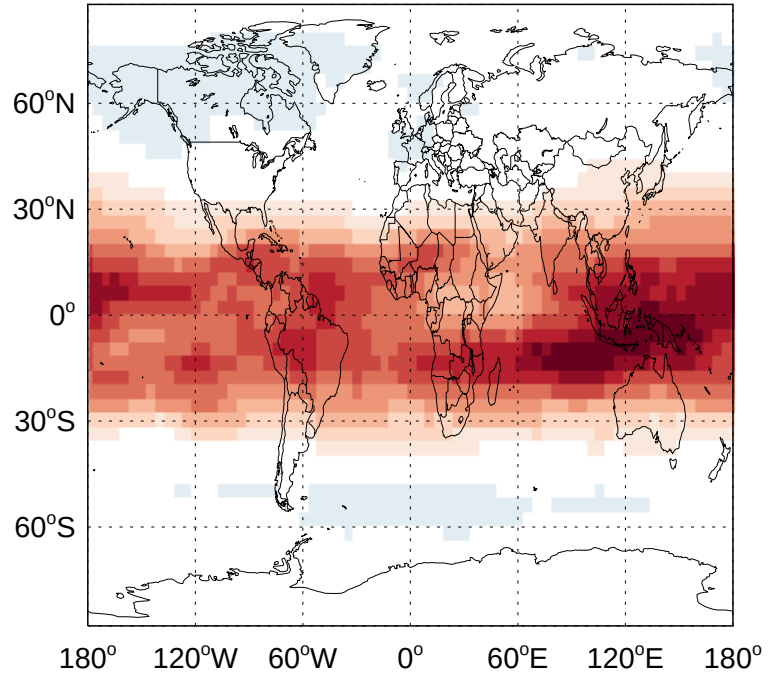
JH2O2 - J-Value Diff @ surface for Apr



-1.34e-06 -4.47e-07 4.47e-07 1.34e-06s-1

GC_12.4.0 - GC_12.0.0

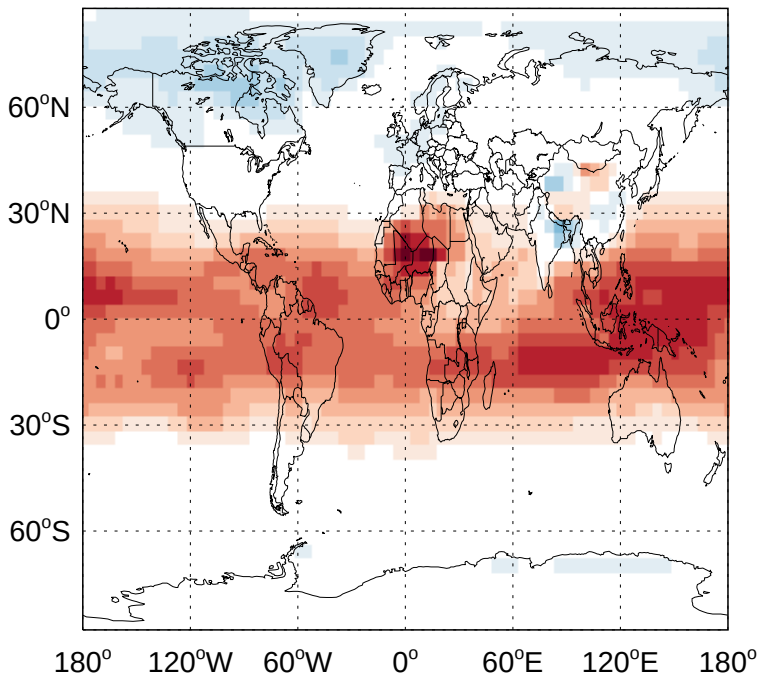
JH2O2 - J-Value Diff @ 500 hPa for Apr



-2.42e-06 -8.07e-07 8.07e-07 2.42e-06s-1

GC_12.4.0 - GC_12.0.0

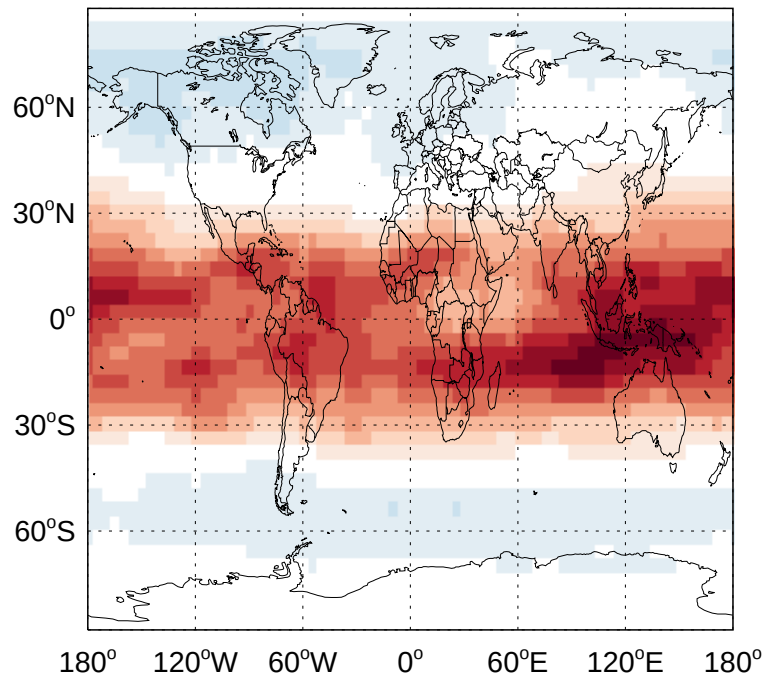
JCH2O - J-Value Diff @ surface for Apr



-1.10e-05 -3.67e-06 3.67e-06 1.10e-05s-1

GC_12.4.0 - GC_12.0.0

JCH2O - J-Value Diff @ 500 hPa for Apr

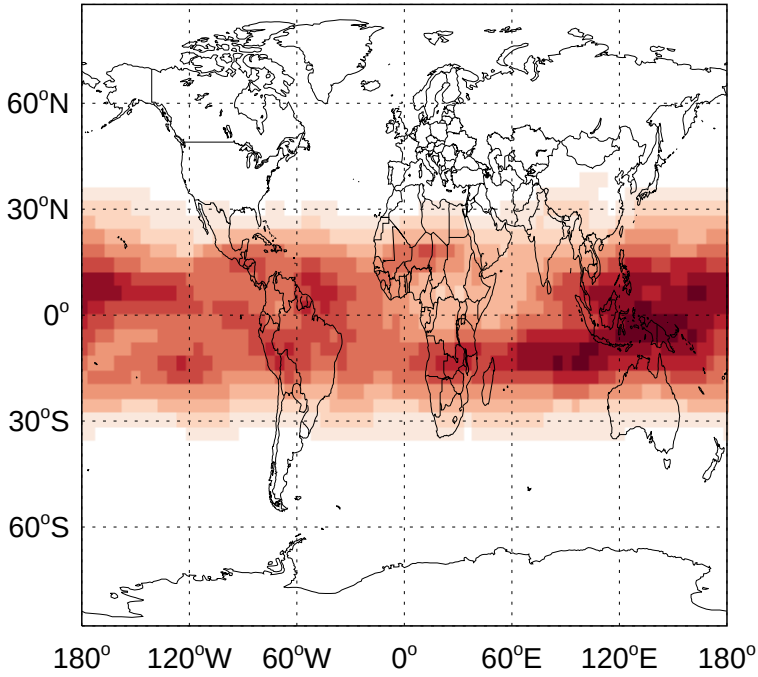


-1.68e-05 -5.61e-06 5.61e-06 1.68e-05s-1

GEOS-Chem J-Values at surface and 500 hPa

GC_12.4.0 - GC_12.0.0

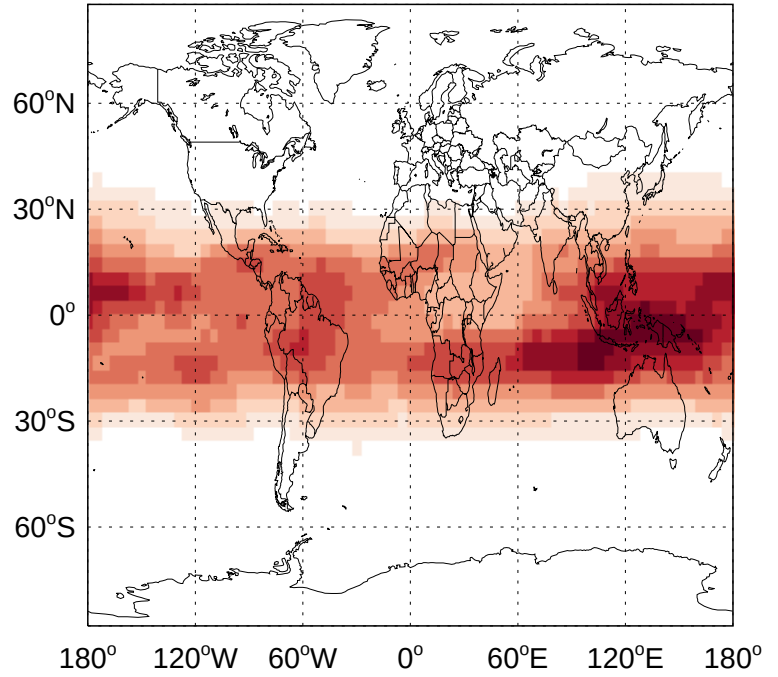
JO3_O1D - J-Value Diff @ surface for Apr



-4.36e-05 -1.45e-05 1.45e-05 4.36e-05s-1

GC_12.4.0 - GC_12.0.0

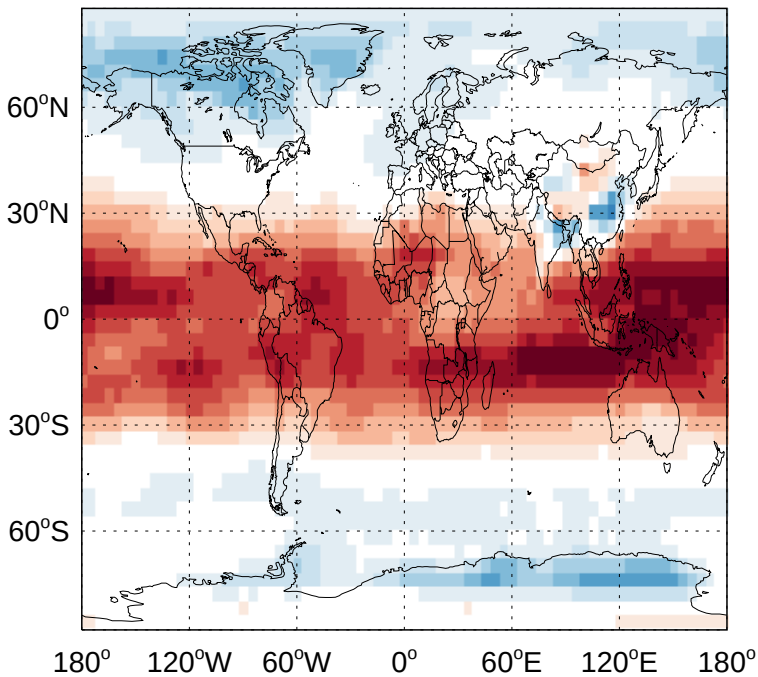
JO3_O1D - J-Value Diff @ 500 hPa for Apr



-7.98e-05 -2.66e-05 2.66e-05 7.98e-05s-1

GC_12.4.0 - GC_12.0.0

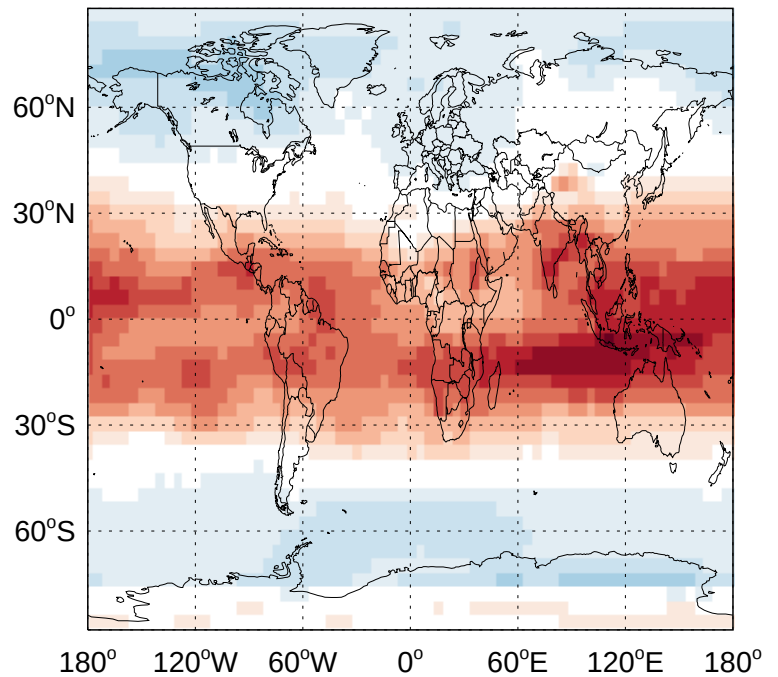
JO3_O3P - J-Value Diff @ surface for Apr



-1.31e-05 -4.37e-06 4.37e-06 1.31e-05s-1

GC_12.4.0 - GC_12.0.0

JO3_O3P - J-Value Diff @ 500 hPa for Apr

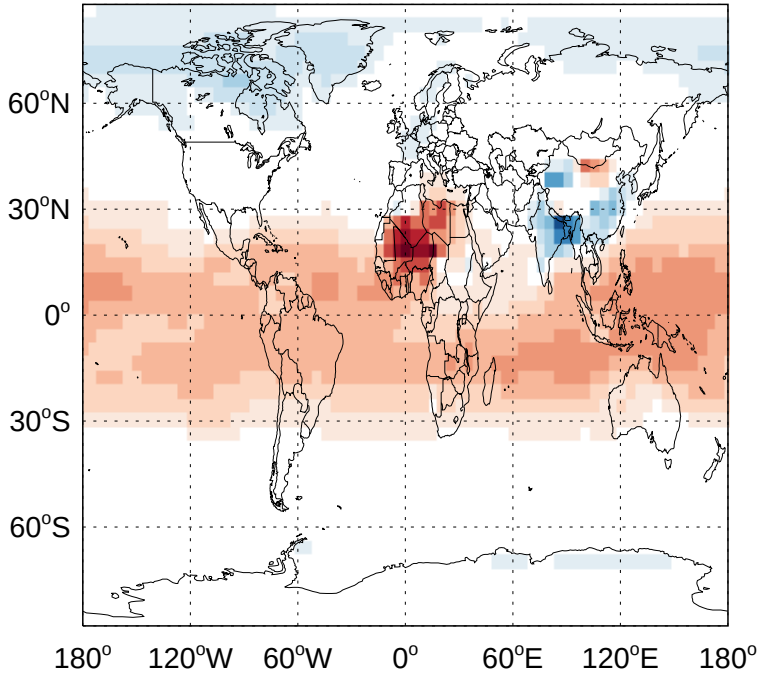


-2.74e-05 -9.14e-06 9.14e-06 2.74e-05s-1

GEOS-Chem J-Values at surface and 500 hPa

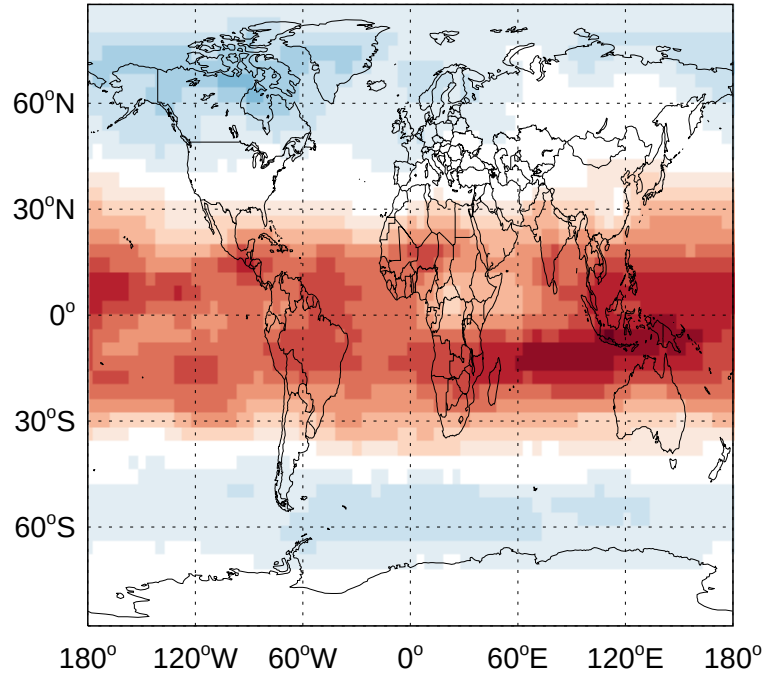
GC_12.4.0 - GC_12.0.0

JBrO - J-Value Diff @ surface for Apr



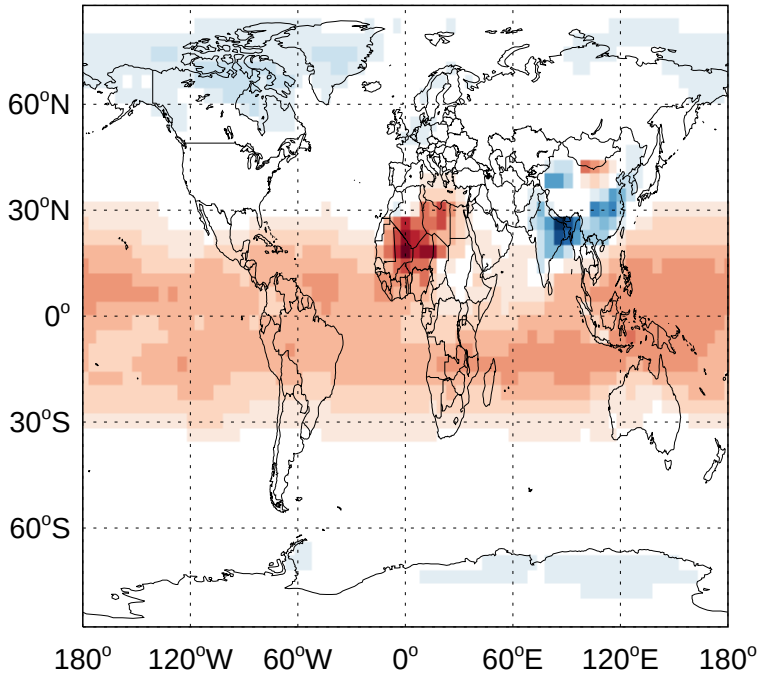
GC_12.4.0 - GC_12.0.0

JBrO - J-Value Diff @ 500 hPa for Apr



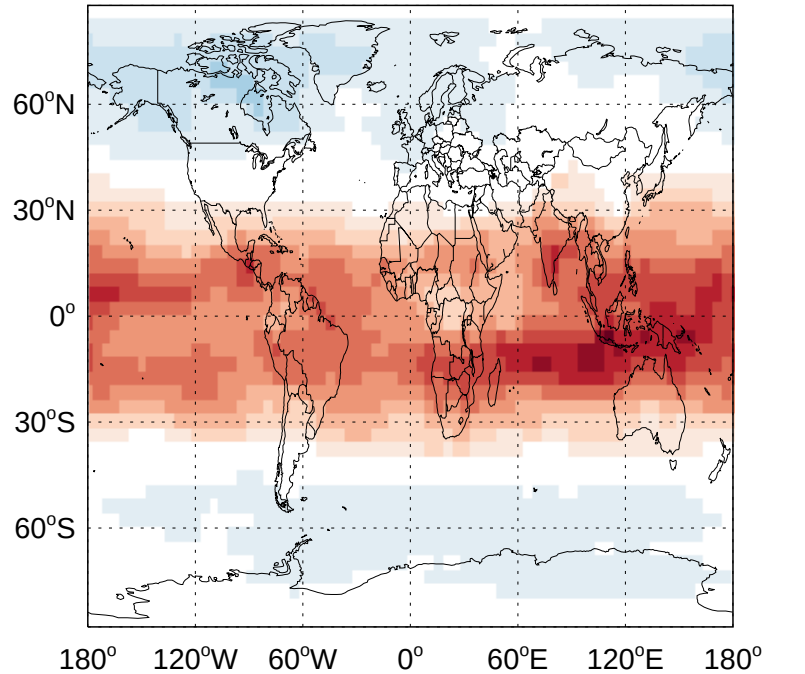
GC_12.4.0 - GC_12.0.0

JHOBr - J-Value Diff @ surface for Apr



GC_12.4.0 - GC_12.0.0

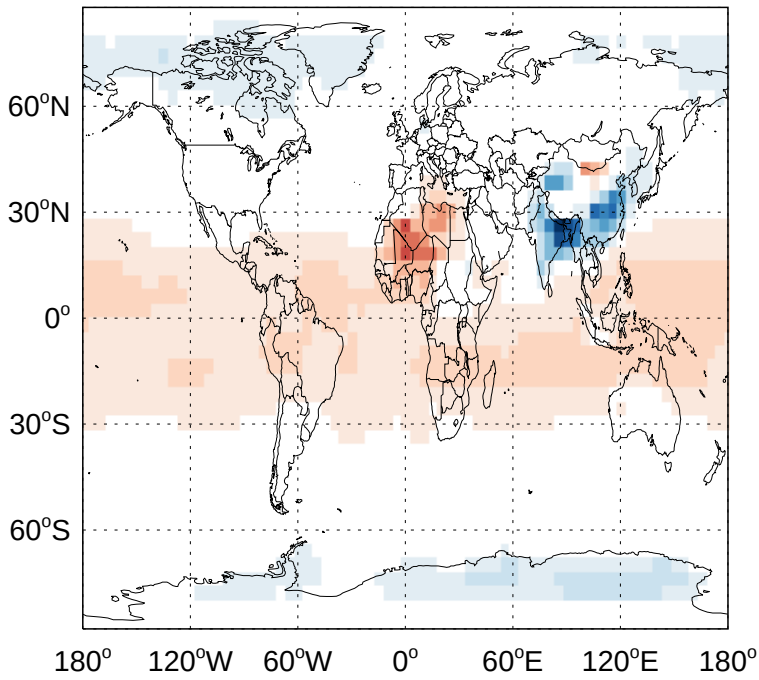
JHOBr - J-Value Diff @ 500 hPa for Apr



GEOS-Chem J-Values at surface and 500 hPa

GC_12.4.0 - GC_12.0.0

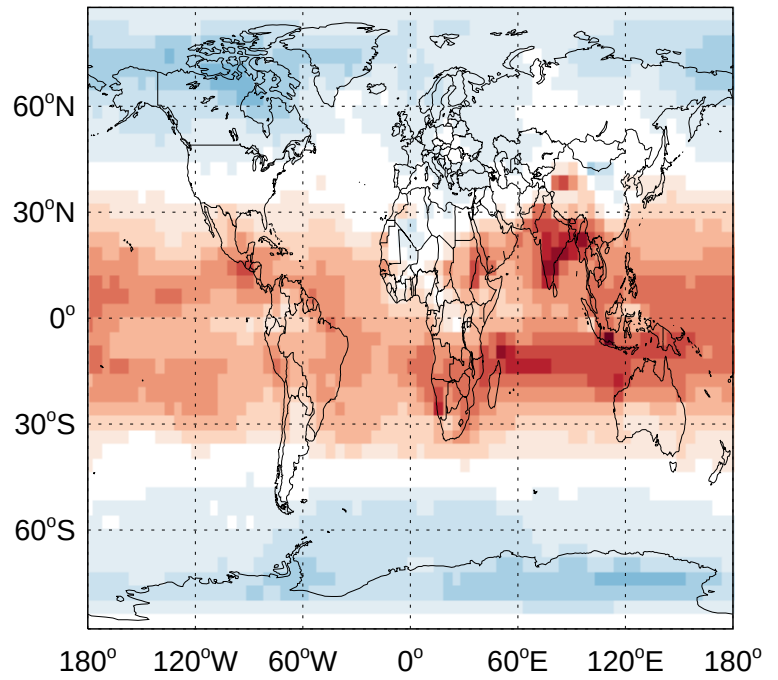
JBrNO₂ - J-Value Diff @ surface for Apr



-2.40e-04 -8.00e-05 8.00e-05 2.40e-04s-1

GC_12.4.0 - GC_12.0.0

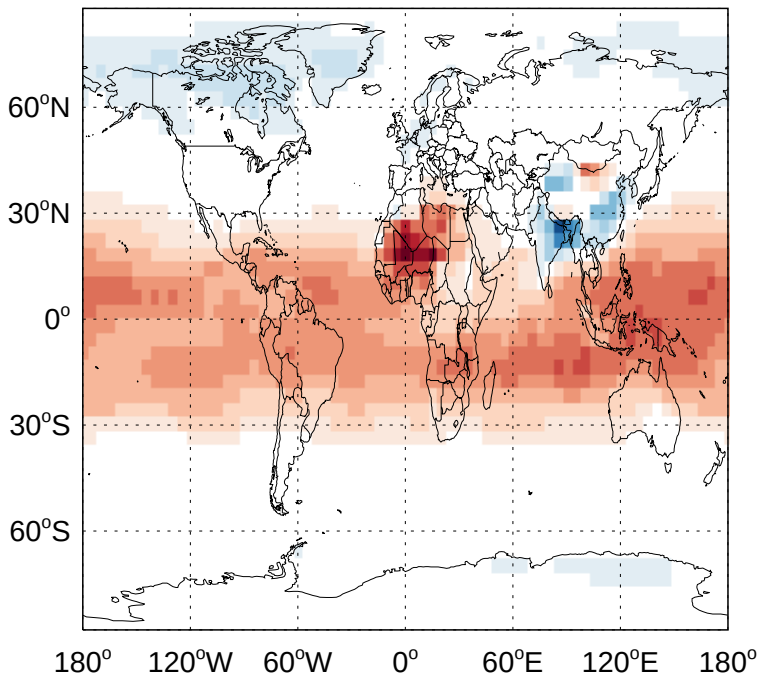
JBrNO₂ - J-Value Diff @ 500 hPa for Apr



-1.76e-04 -5.88e-05 5.88e-05 1.76e-04s-1

GC_12.4.0 - GC_12.0.0

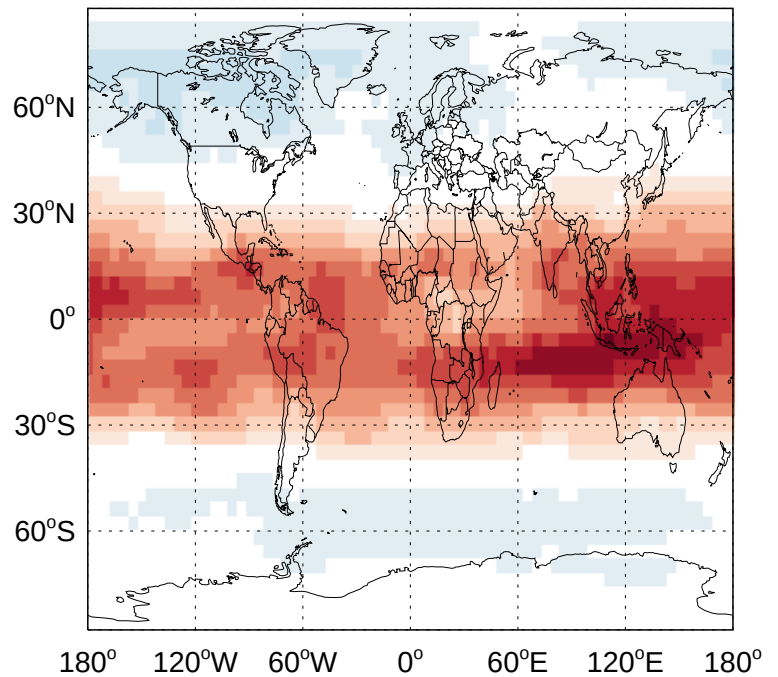
JBrNO₃ - J-Value Diff @ surface for Apr



-7.80e-05 -2.60e-05 2.60e-05 7.80e-05s-1

GC_12.4.0 - GC_12.0.0

JBrNO₃ - J-Value Diff @ 500 hPa for Apr

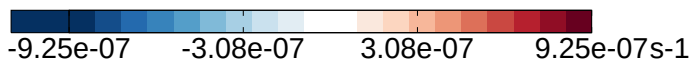
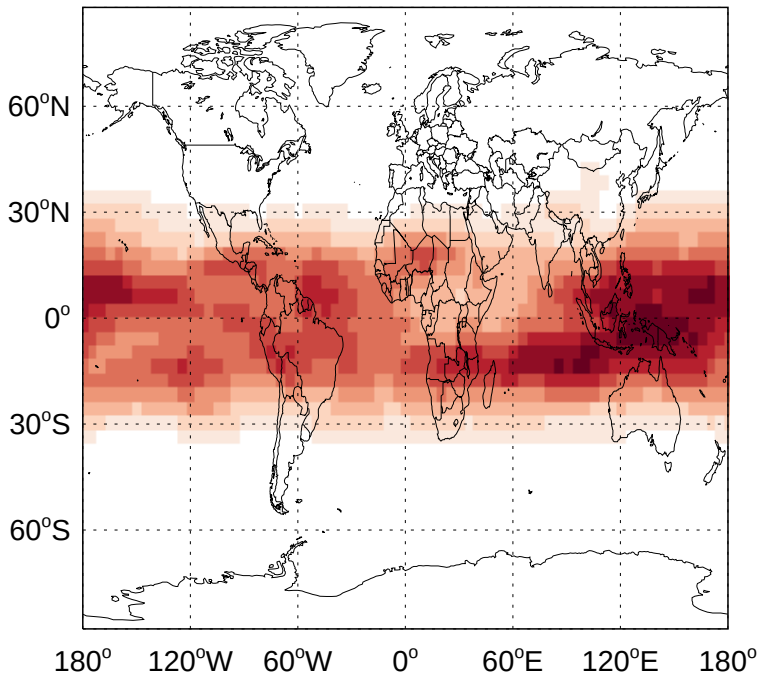


-1.01e-04 -3.35e-05 3.35e-05 1.01e-04s-1

GEOS-Chem J-Values at surface and 500 hPa

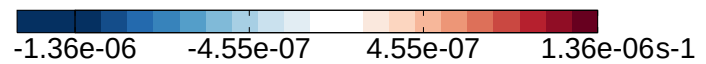
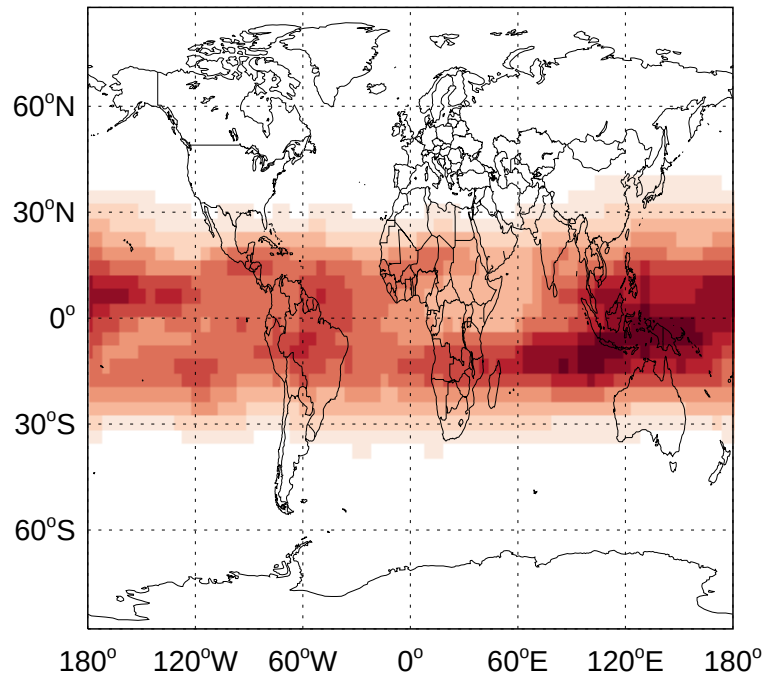
GC_12.4.0 - GC_12.0.0

JCHBr3 - J-Value Diff @ surface for Apr



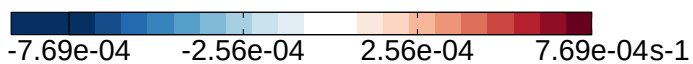
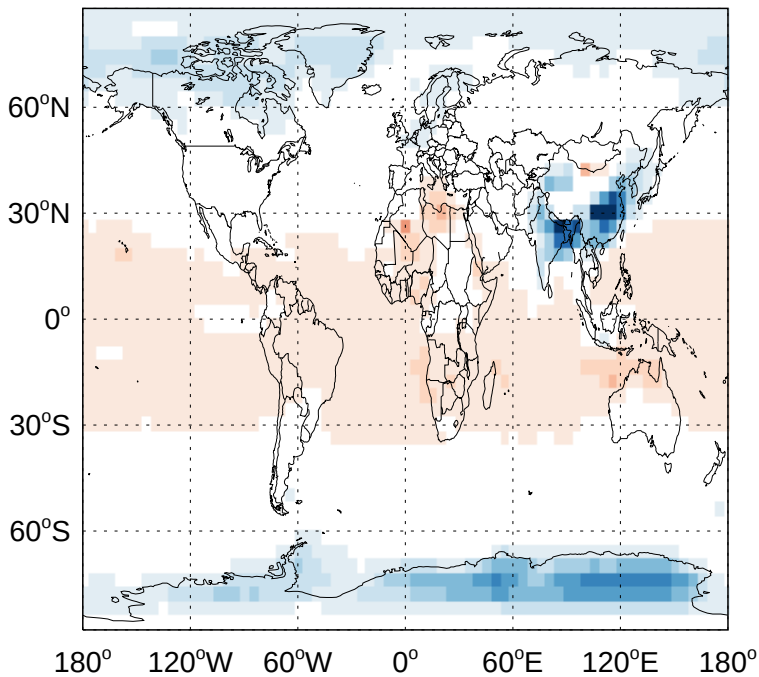
GC_12.4.0 - GC_12.0.0

JCHBr3 - J-Value Diff @ 500 hPa for Apr



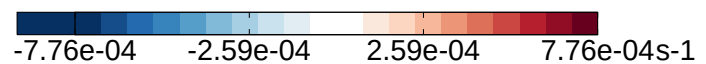
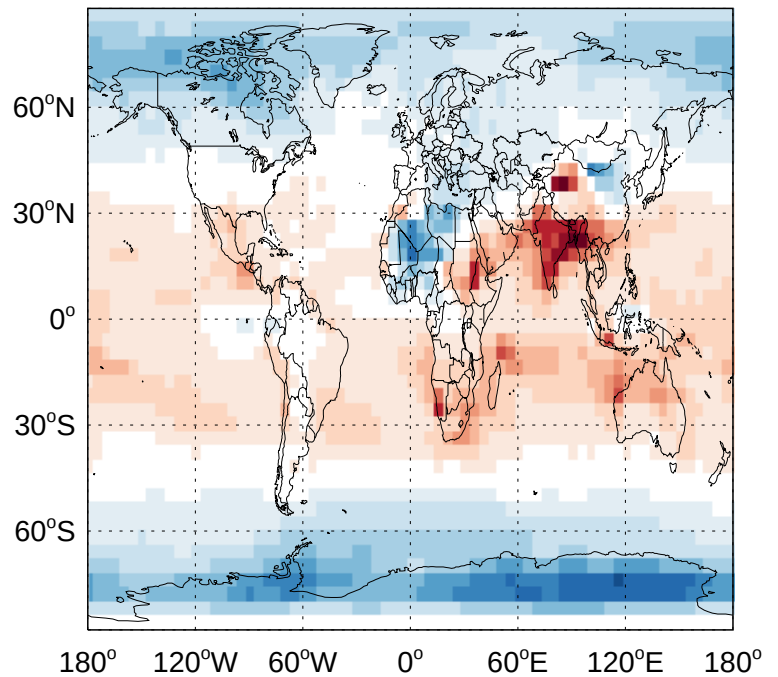
GC_12.4.0 - GC_12.0.0

JBr2 - J-Value Diff @ surface for Apr



GC_12.4.0 - GC_12.0.0

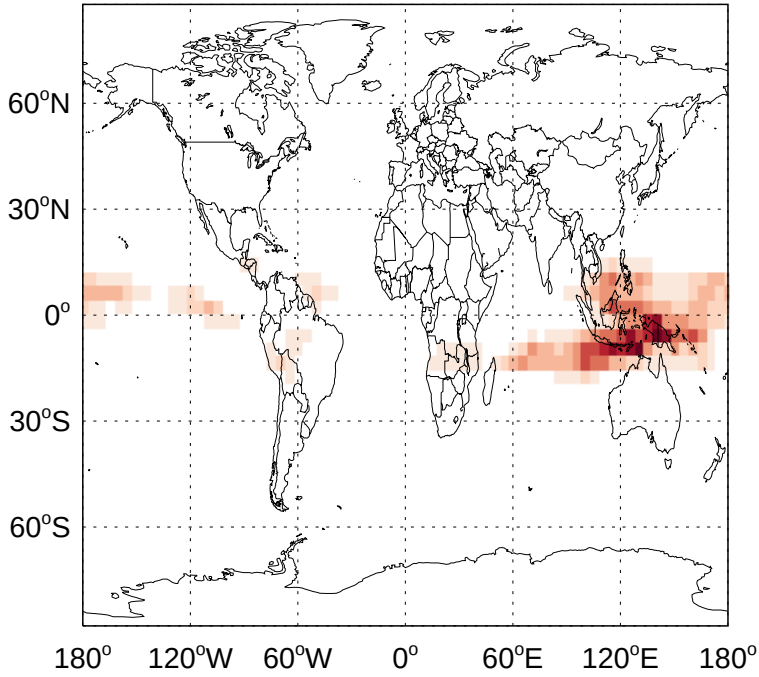
JBr2 - J-Value Diff @ 500 hPa for Apr



GEOS-Chem J-Values at surface and 500 hPa

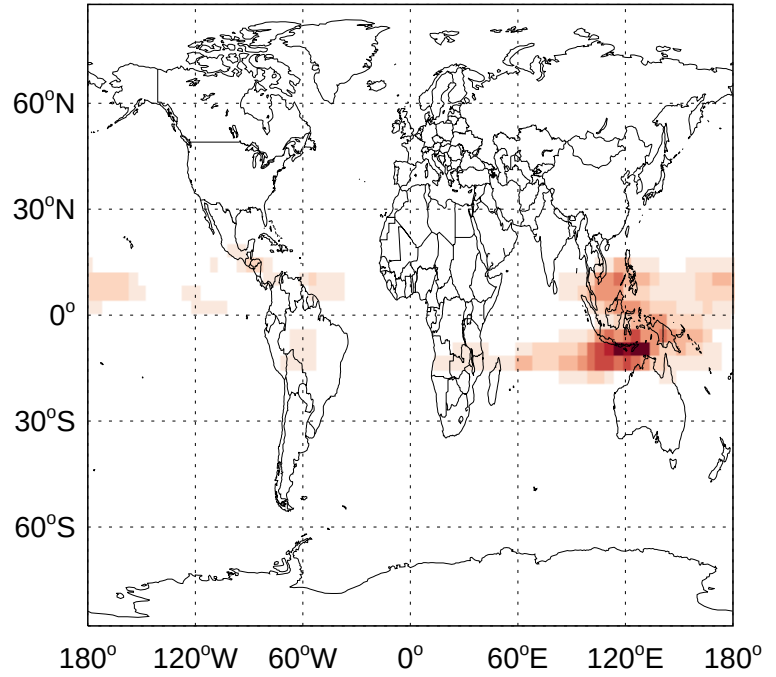
GC_12.4.0 - GC_12.0.0

JO2 - J-Value Diff @ surface for Apr



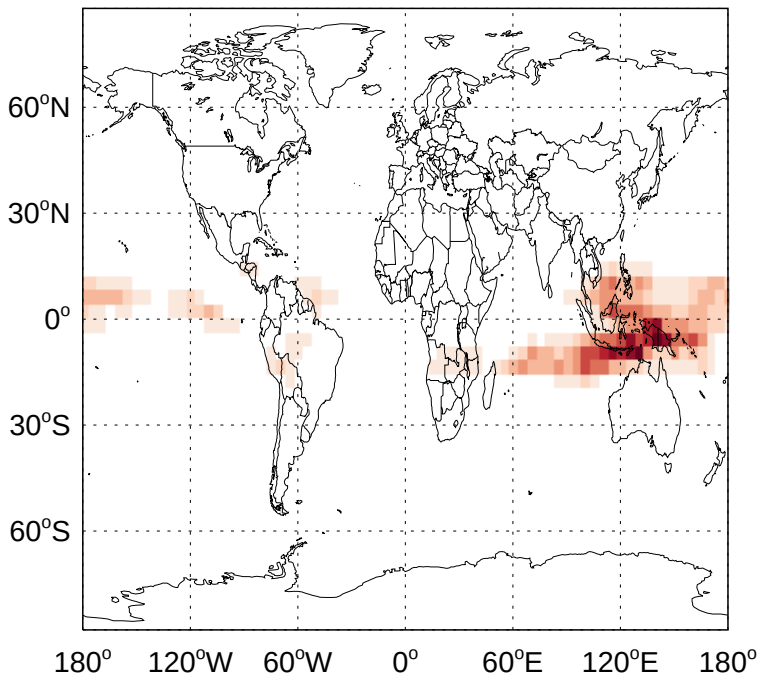
GC_12.4.0 - GC_12.0.0

JO2 - J-Value Diff @ 500 hPa for Apr



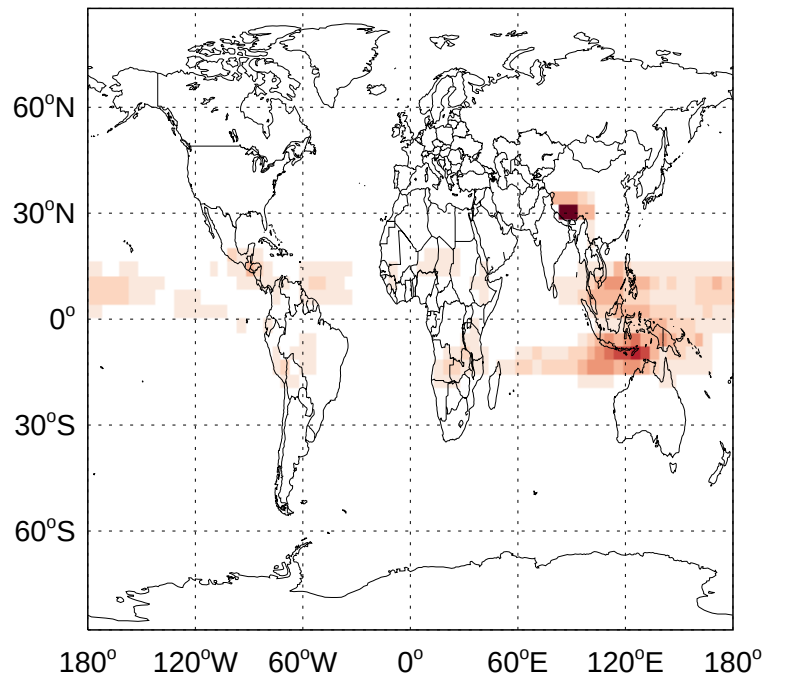
GC_12.4.0 - GC_12.0.0

JN2O - J-Value Diff @ surface for Apr



GC_12.4.0 - GC_12.0.0

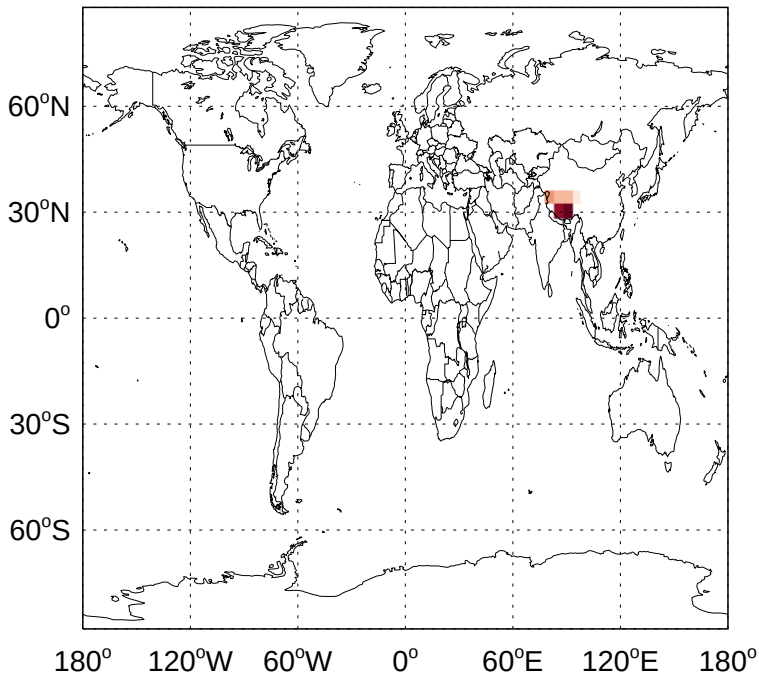
JN2O - J-Value Diff @ 500 hPa for Apr



GEOS-Chem J-Values at surface and 500 hPa

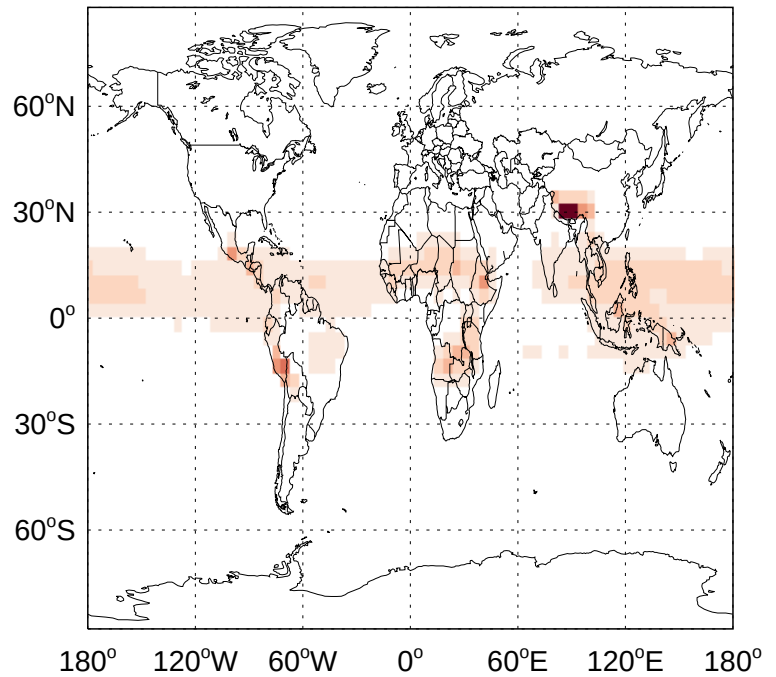
GC_12.4.0 - GC_12.0.0

JNO - J-Value Diff @ surface for Apr



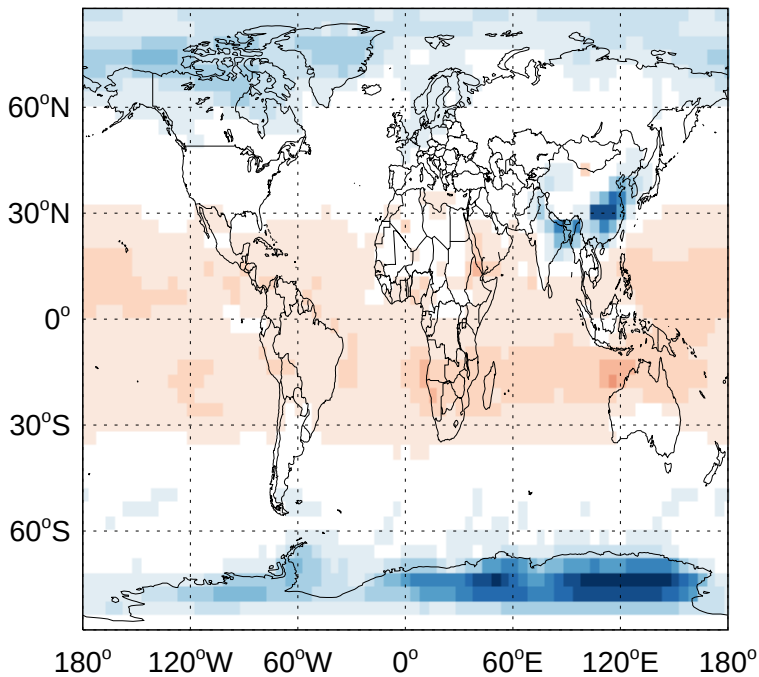
GC_12.4.0 - GC_12.0.0

JNO - J-Value Diff @ 500 hPa for Apr



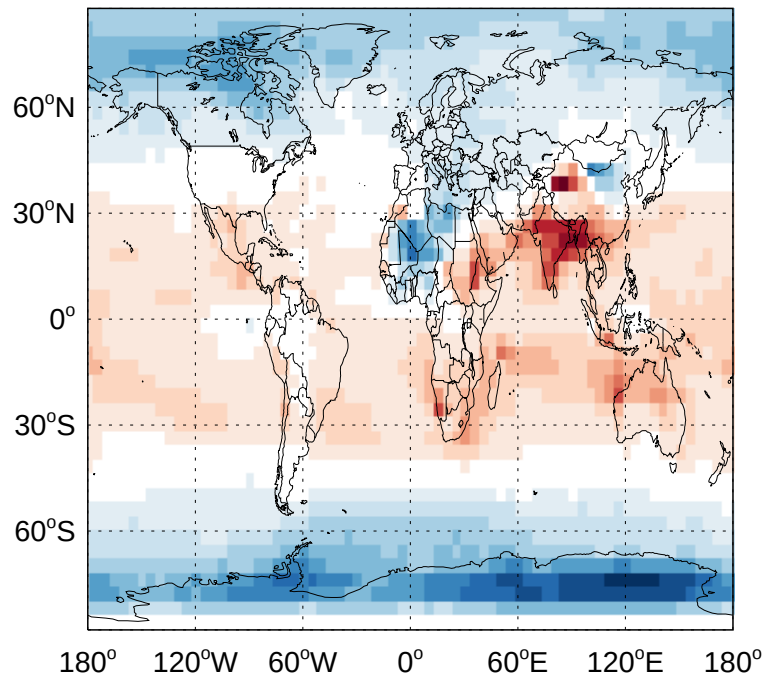
GC_12.4.0 - GC_12.0.0

JNO3 - J-Value Diff @ surface for Apr



GC_12.4.0 - GC_12.0.0

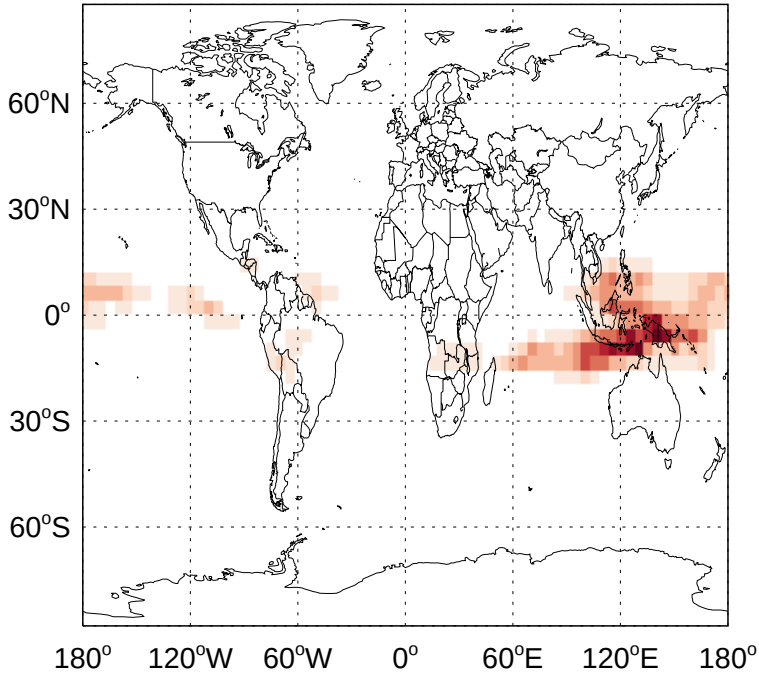
JNO3 - J-Value Diff @ 500 hPa for Apr



GEOS-Chem J-Values at surface and 500 hPa

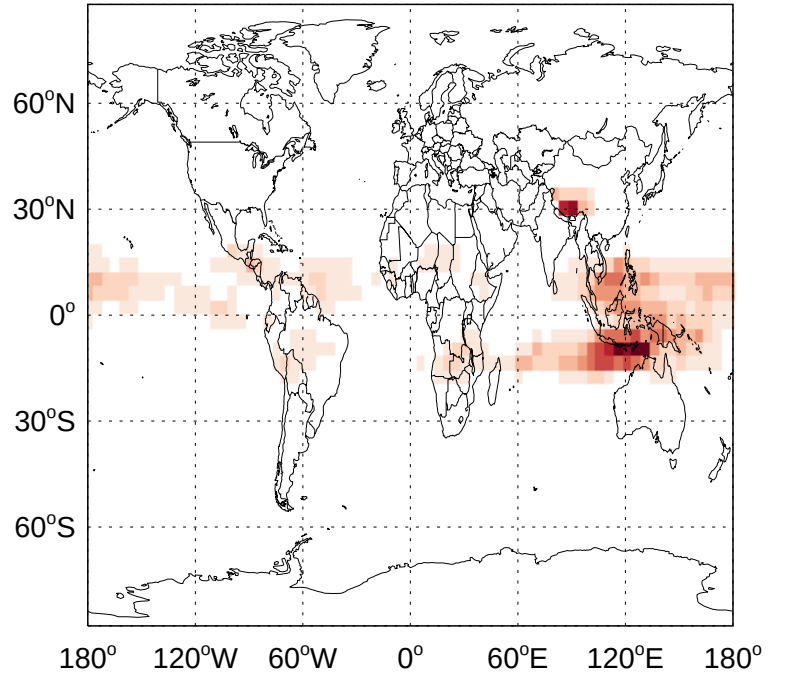
GC_12.4.0 - GC_12.0.0

JCFC11 - J-Value Diff @ surface for Apr



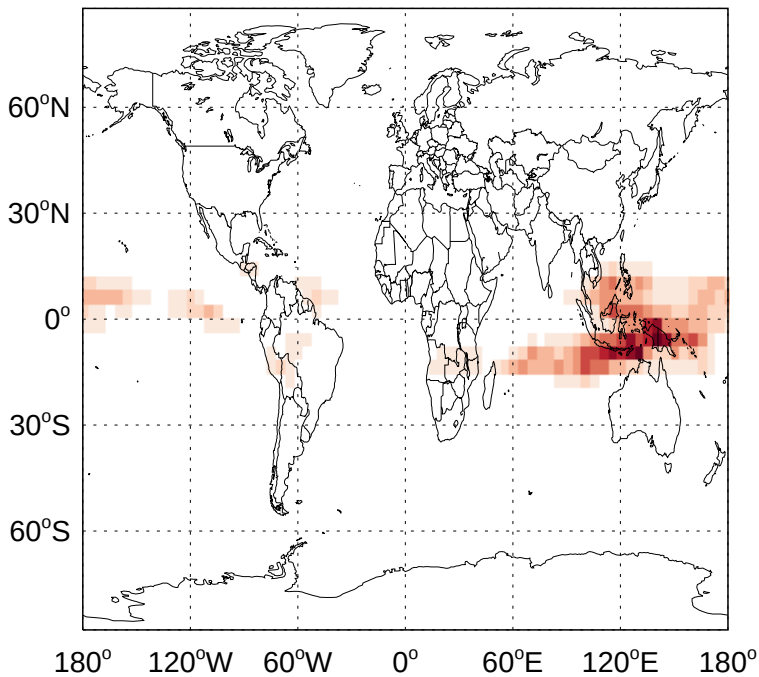
GC_12.4.0 - GC_12.0.0

JCFC11 - J-Value Diff @ 500 hPa for Apr



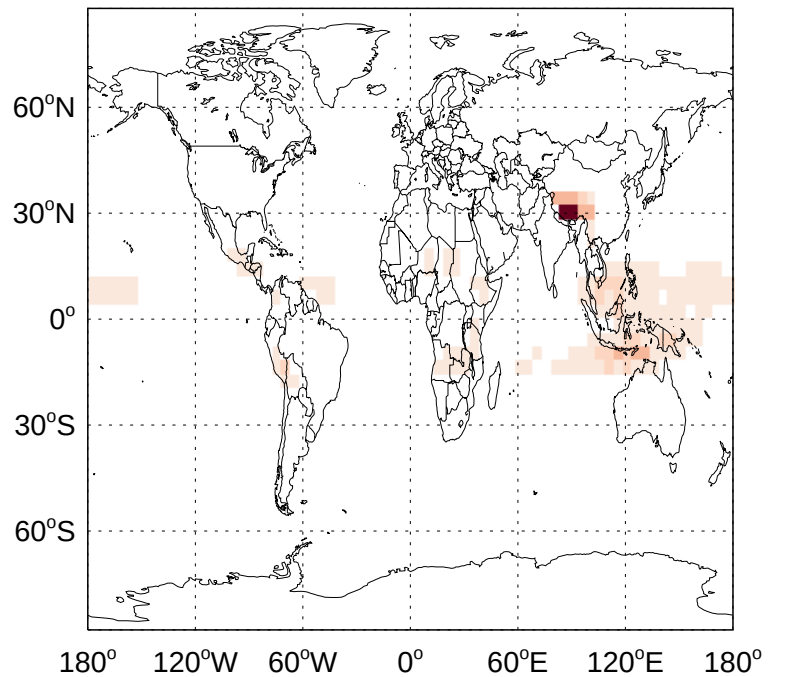
GC_12.4.0 - GC_12.0.0

JCFC12 - J-Value Diff @ surface for Apr



GC_12.4.0 - GC_12.0.0

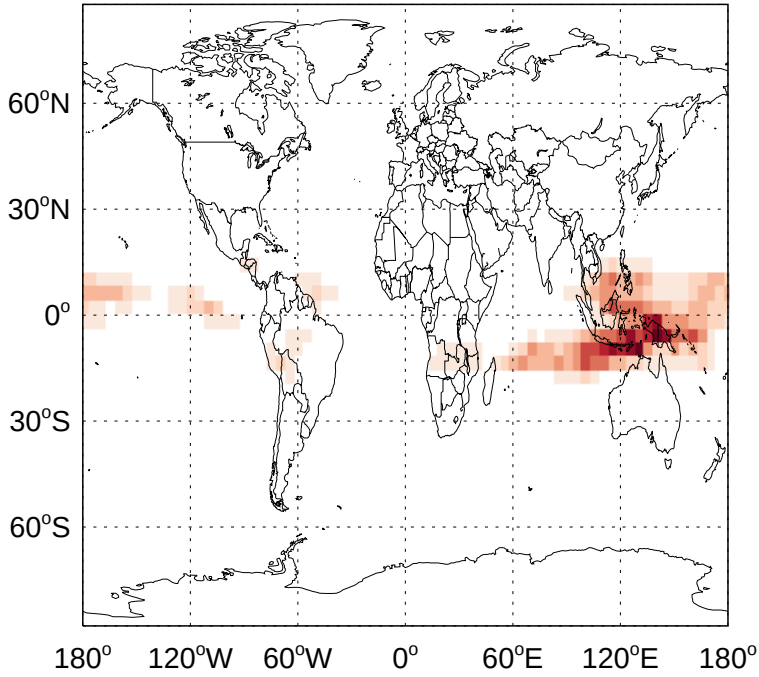
JCFC12 - J-Value Diff @ 500 hPa for Apr



GEOS-Chem J-Values at surface and 500 hPa

GC_12.4.0 - GC_12.0.0

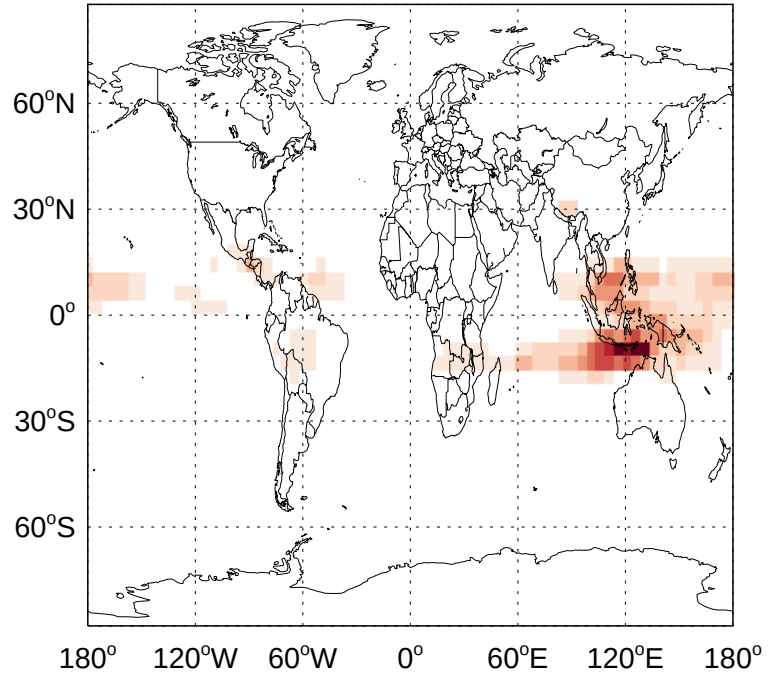
JCCI4 - J-Value Diff @ surface for Apr



-5.33×10^{-14} -1.78×10^{-14} 1.78×10^{-14} $5.33 \times 10^{-14} \text{ s}^{-1}$

GC_12.4.0 - GC_12.0.0

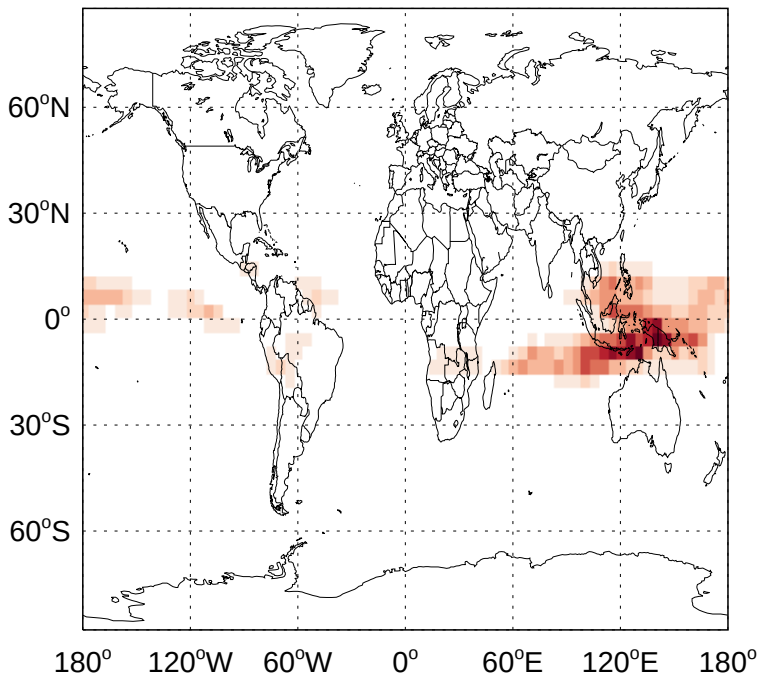
JCCI4 - J-Value Diff @ 500 hPa for Apr



-8.23×10^{-13} -2.74×10^{-13} 2.74×10^{-13} $8.23 \times 10^{-13} \text{ s}^{-1}$

GC_12.4.0 - GC_12.0.0

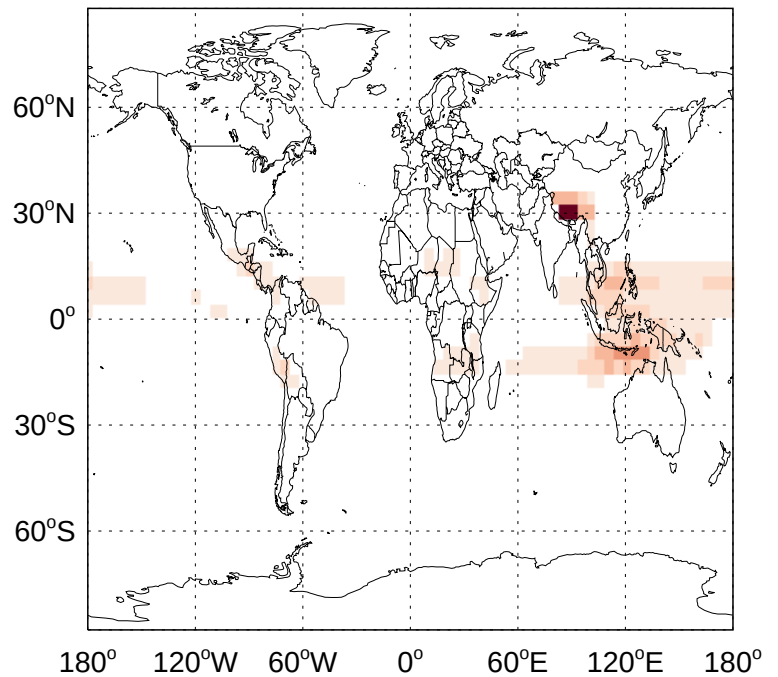
JCH3Cl - J-Value Diff @ surface for Apr



-4.04×10^{-17} -1.35×10^{-17} 1.35×10^{-17} $4.04 \times 10^{-17} \text{ s}^{-1}$

GC_12.4.0 - GC_12.0.0

JCH3Cl - J-Value Diff @ 500 hPa for Apr

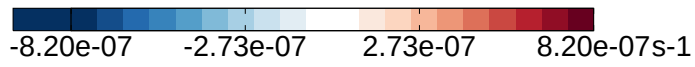
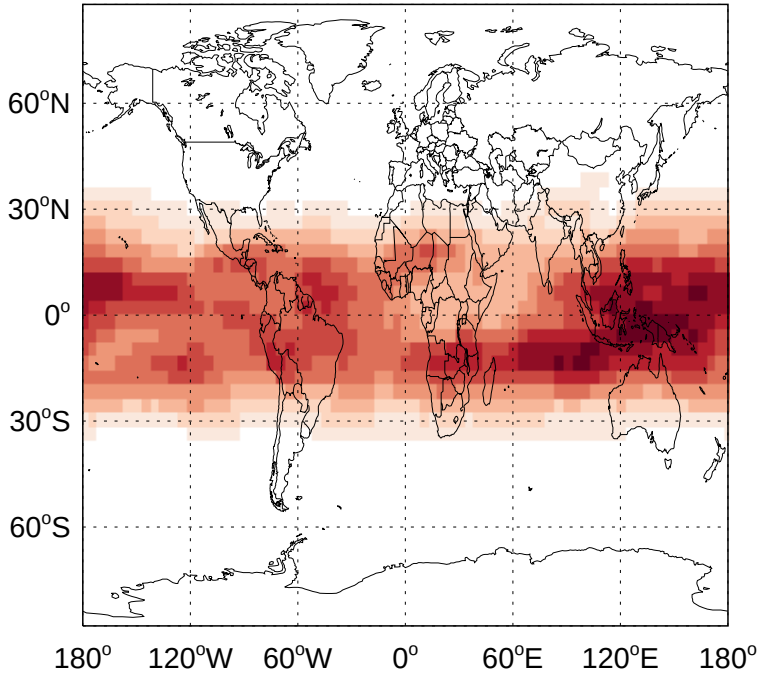


-1.36×10^{-15} -4.55×10^{-16} 4.55×10^{-16} $1.36 \times 10^{-15} \text{ s}^{-1}$

GEOS-Chem J-Values at surface and 500 hPa

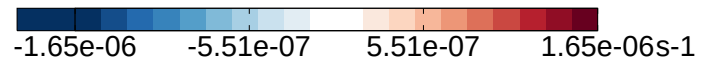
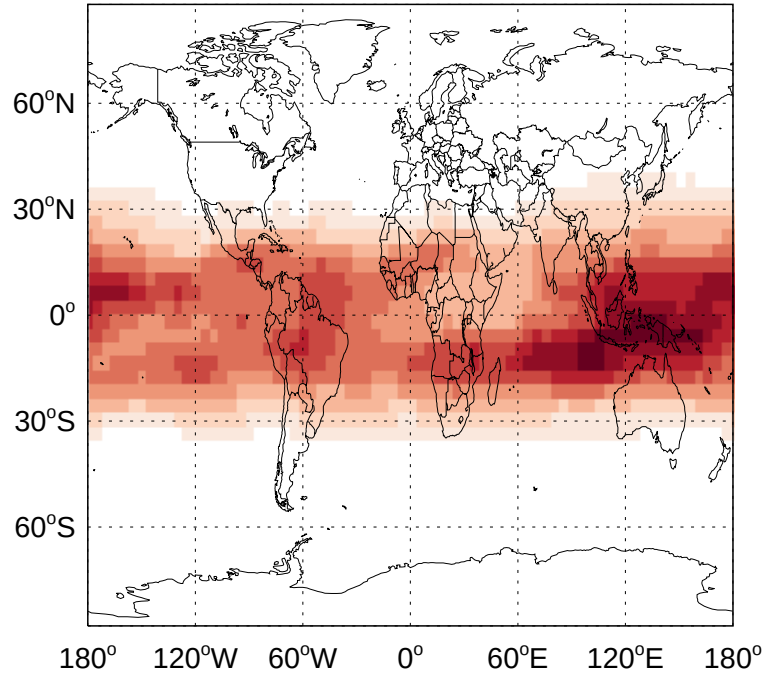
GC_12.4.0 - GC_12.0.0

JACET - J-Value Diff @ surface for Apr



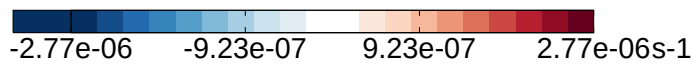
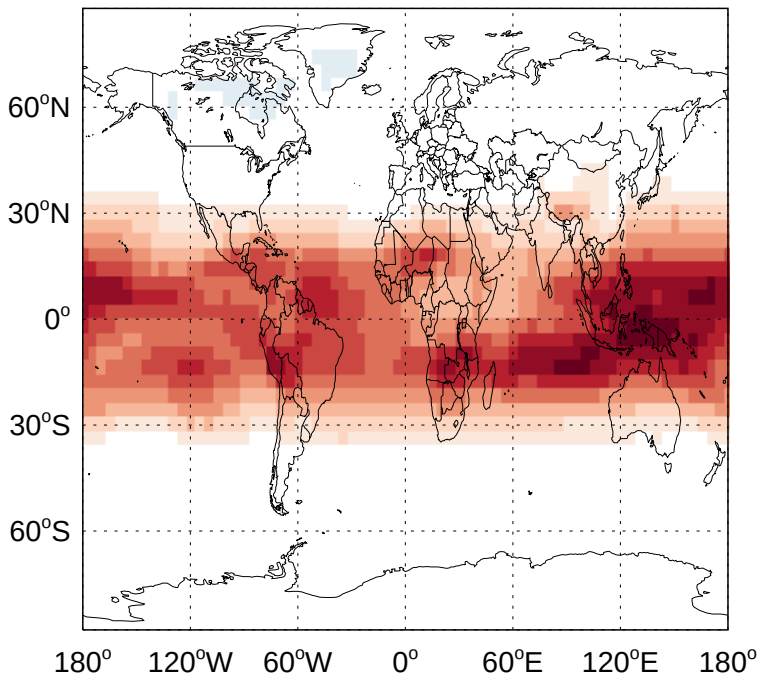
GC_12.4.0 - GC_12.0.0

JACET - J-Value Diff @ 500 hPa for Apr



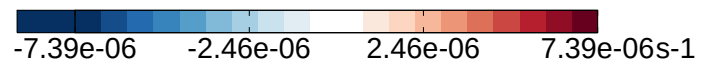
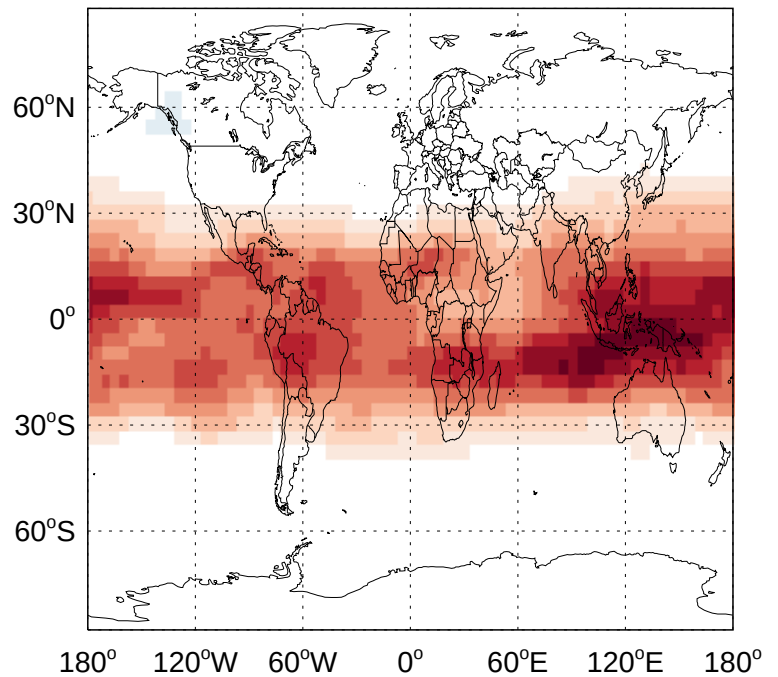
GC_12.4.0 - GC_12.0.0

JALD2 - J-Value Diff @ surface for Apr



GC_12.4.0 - GC_12.0.0

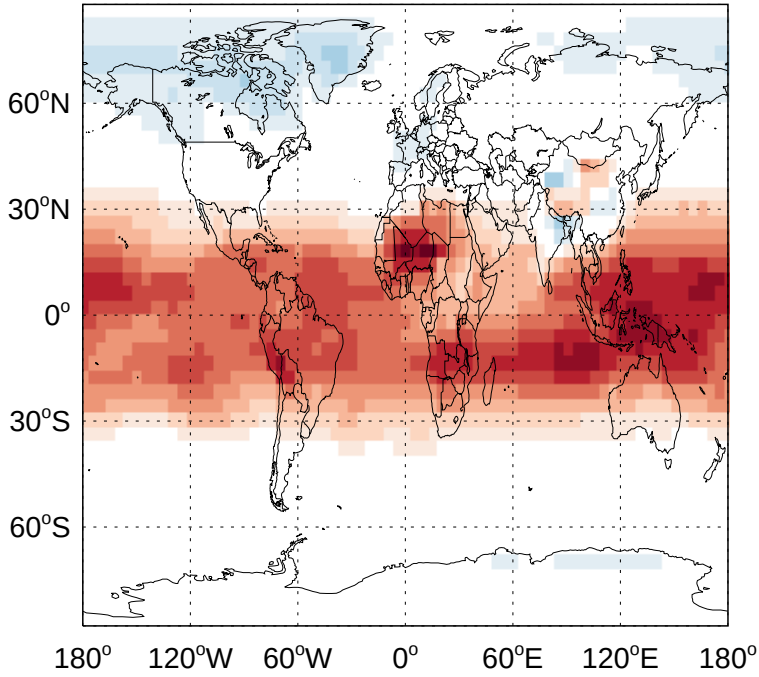
JALD2 - J-Value Diff @ 500 hPa for Apr



GEOS-Chem J-Values at surface and 500 hPa

GC_12.4.0 - GC_12.0.0

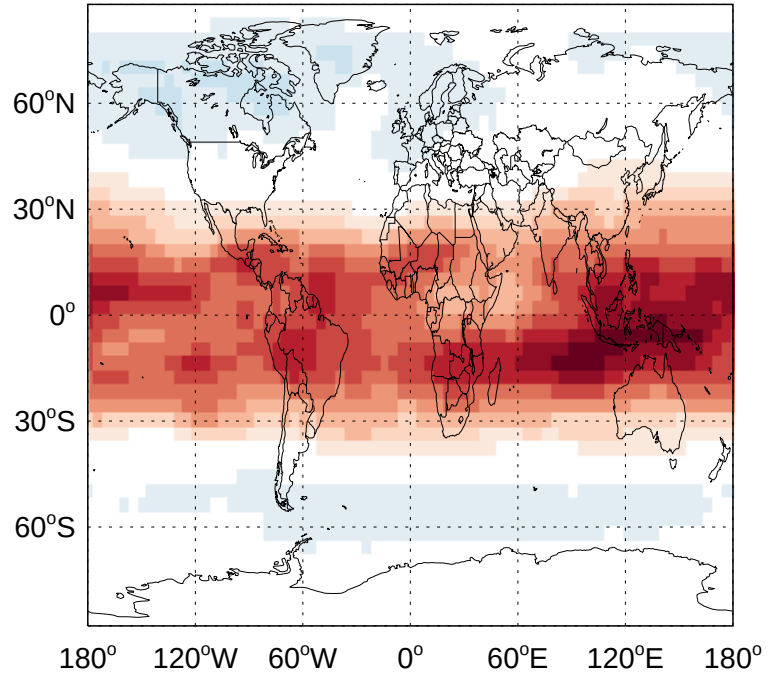
JMVK - J-Value Diff @ surface for Apr



-6.26e-07 -2.09e-07 2.09e-07 6.26e-07s-1

GC_12.4.0 - GC_12.0.0

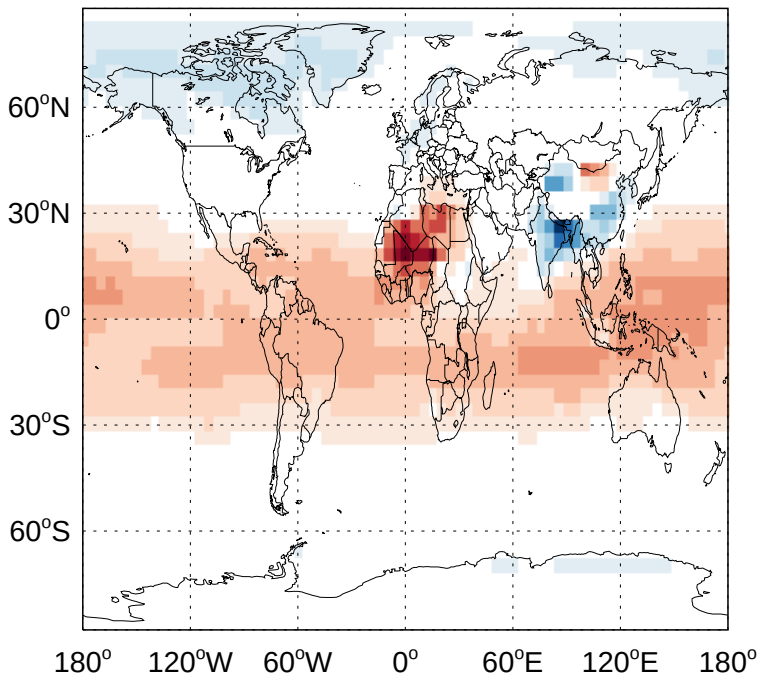
JMVK - J-Value Diff @ 500 hPa for Apr



-1.67e-06 -5.58e-07 5.58e-07 1.67e-06s-1

GC_12.4.0 - GC_12.0.0

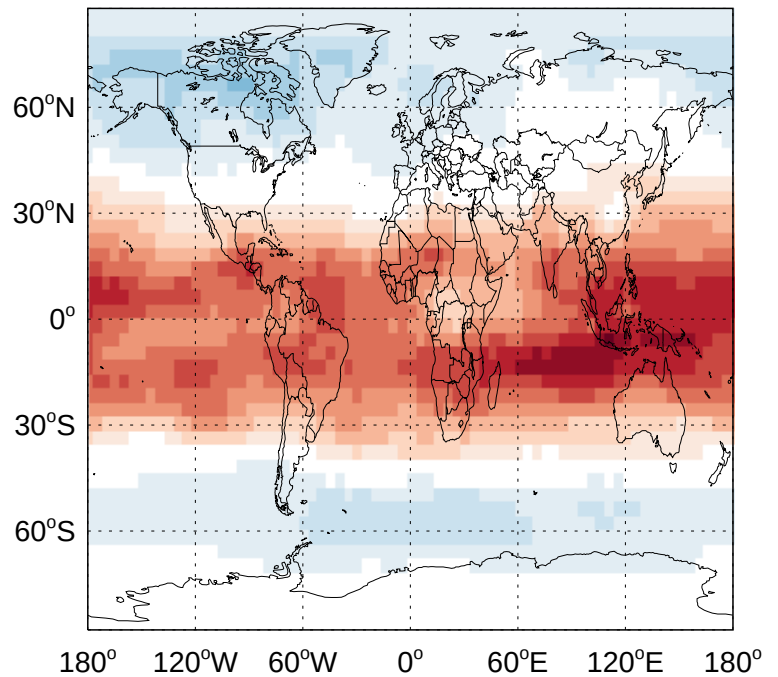
JMACR - J-Value Diff @ surface for Apr



-1.13e-07 -3.77e-08 3.77e-08 1.13e-07s-1

GC_12.4.0 - GC_12.0.0

JMACR - J-Value Diff @ 500 hPa for Apr

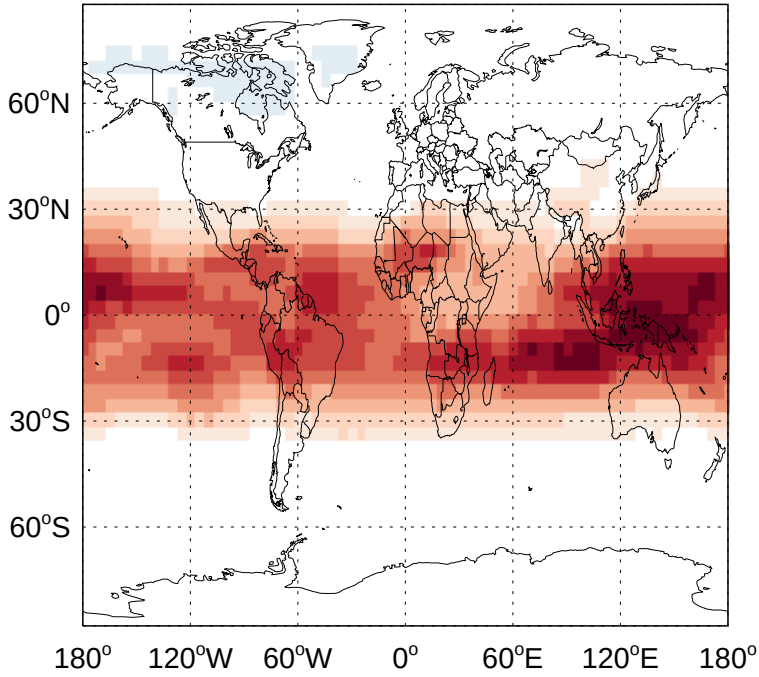


-1.09e-07 -3.62e-08 3.62e-08 1.09e-07s-1

GEOS-Chem J-Values at surface and 500 hPa

GC_12.4.0 - GC_12.0.0

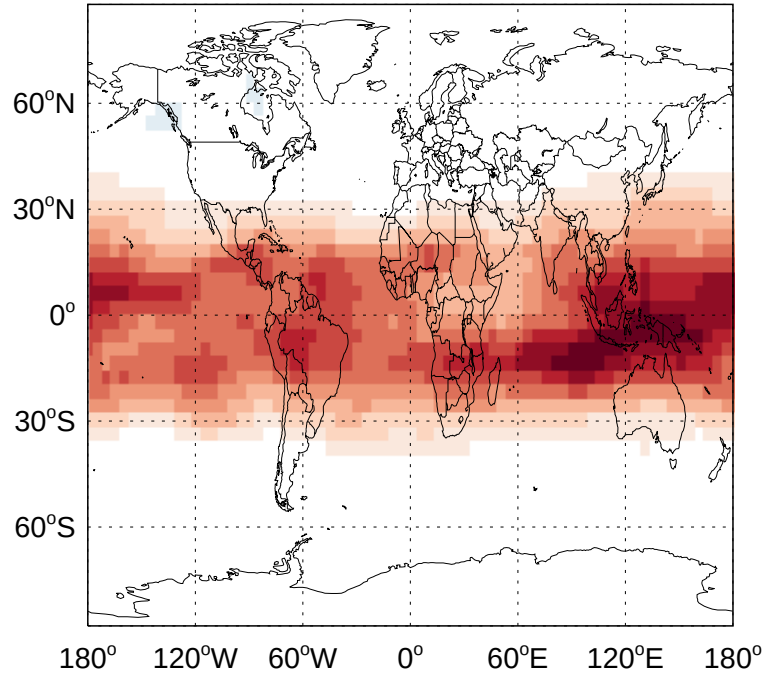
JHAC - J-Value Diff @ surface for Apr



-8.21e-07 -2.74e-07 2.74e-07 8.21e-07s-1

GC_12.4.0 - GC_12.0.0

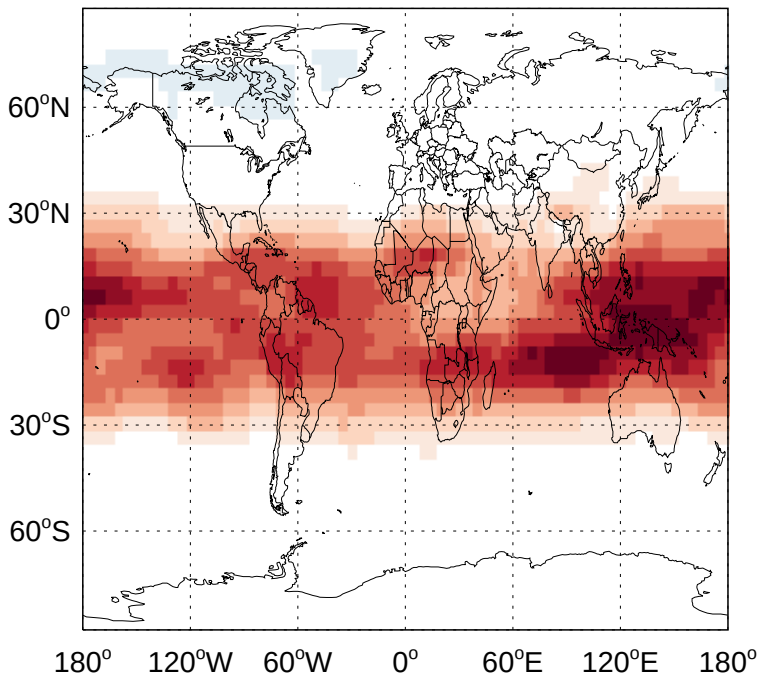
JHAC - J-Value Diff @ 500 hPa for Apr



-1.57e-06 -5.24e-07 5.24e-07 1.57e-06s-1

GC_12.4.0 - GC_12.0.0

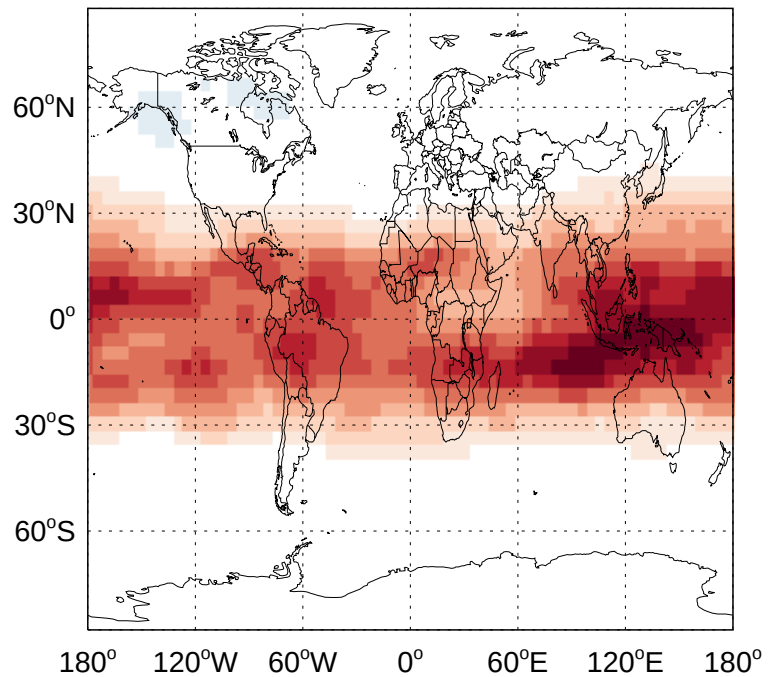
JGLYC - J-Value Diff @ surface for Apr



-5.70e-06 -1.90e-06 1.90e-06 5.70e-06s-1

GC_12.4.0 - GC_12.0.0

JGLYC - J-Value Diff @ 500 hPa for Apr



-1.09e-05 -3.62e-06 3.62e-06 1.09e-05s-1