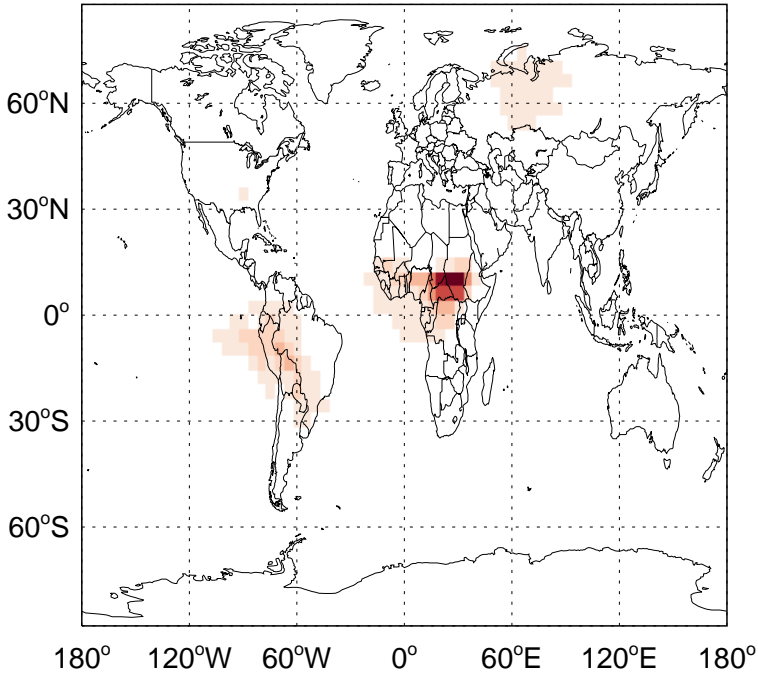


GEOS-Chem J-Values at surface and 500 hPa

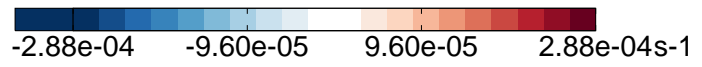
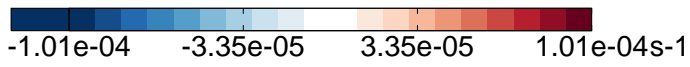
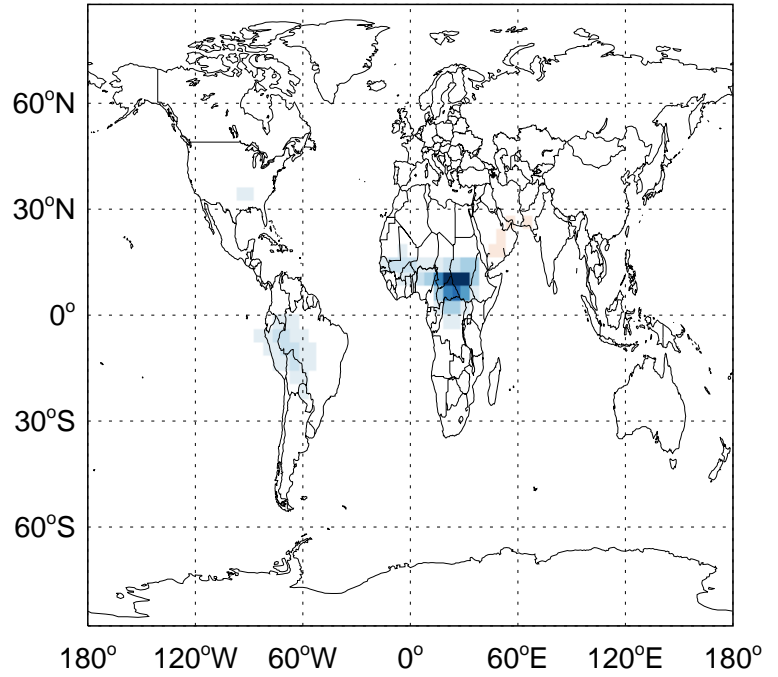
v11-02d - v11-02c

JNO2 - J-Value Diff @ surface for Jul



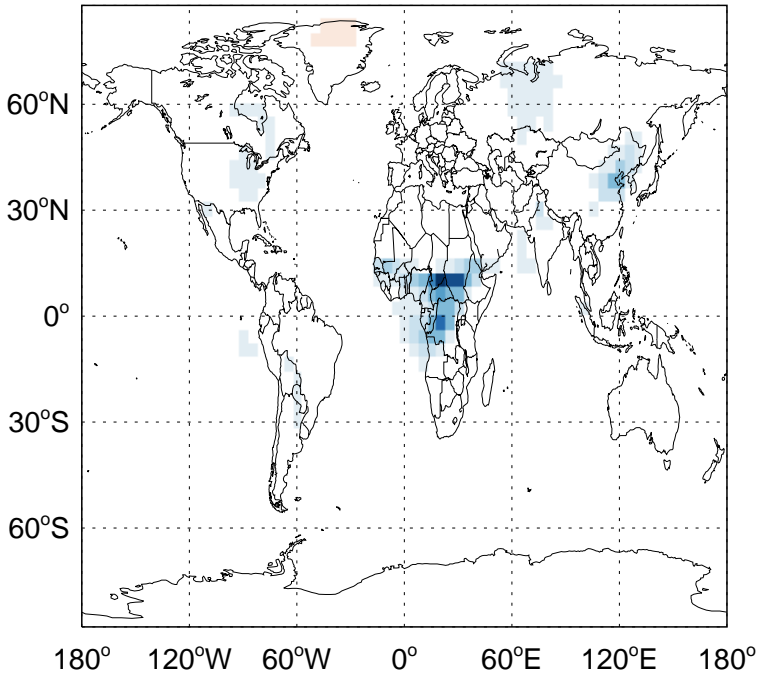
v11-02d - v11-02c

JNO2 - J-Value Diff @ 500 hPa for Jul



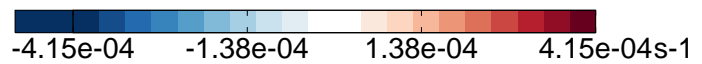
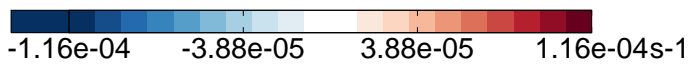
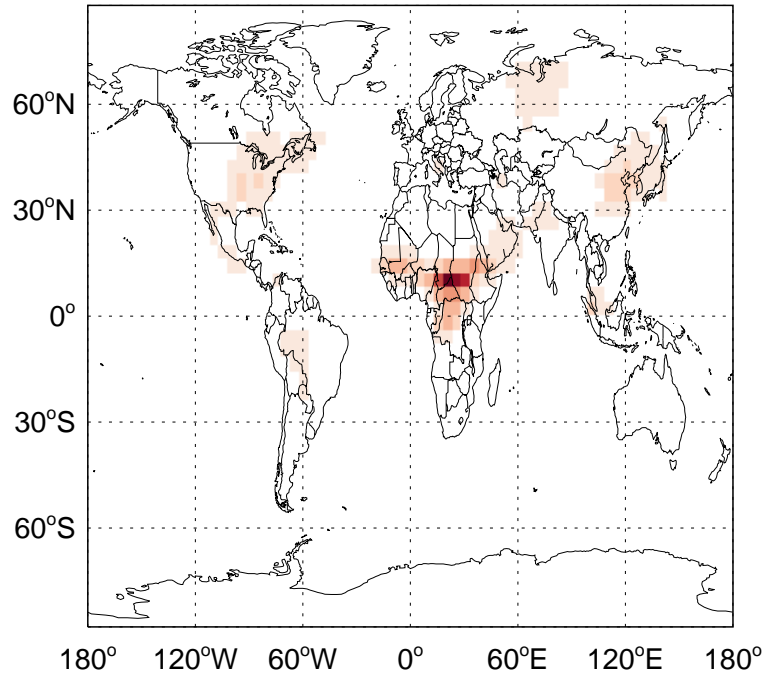
v11-02d - v11-02a

JNO2 - J-Value Diff @ surface for Jul



v11-02d - v11-02a

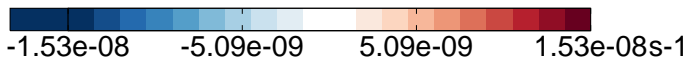
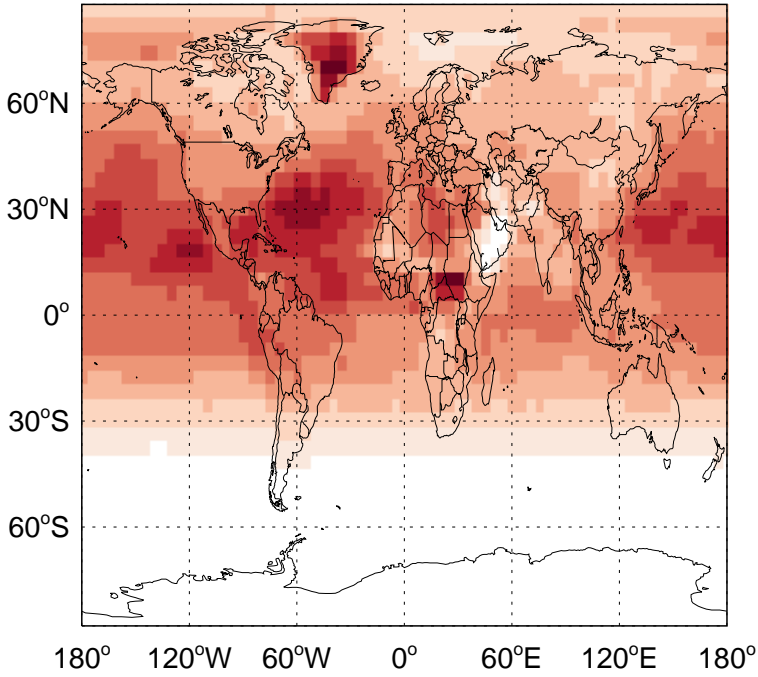
JNO2 - J-Value Diff @ 500 hPa for Jul



GEOS-Chem J-Values at surface and 500 hPa

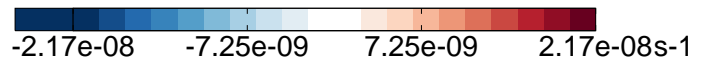
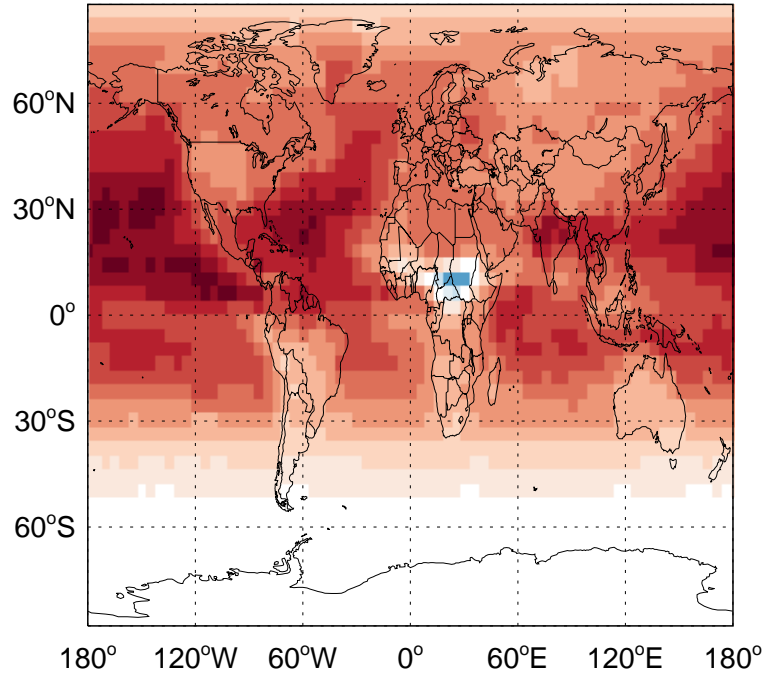
v11-02d - v11-02c

JHNO3 - J-Value Diff @ surface for Jul



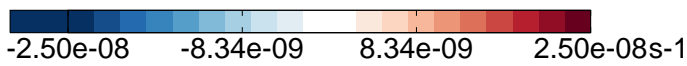
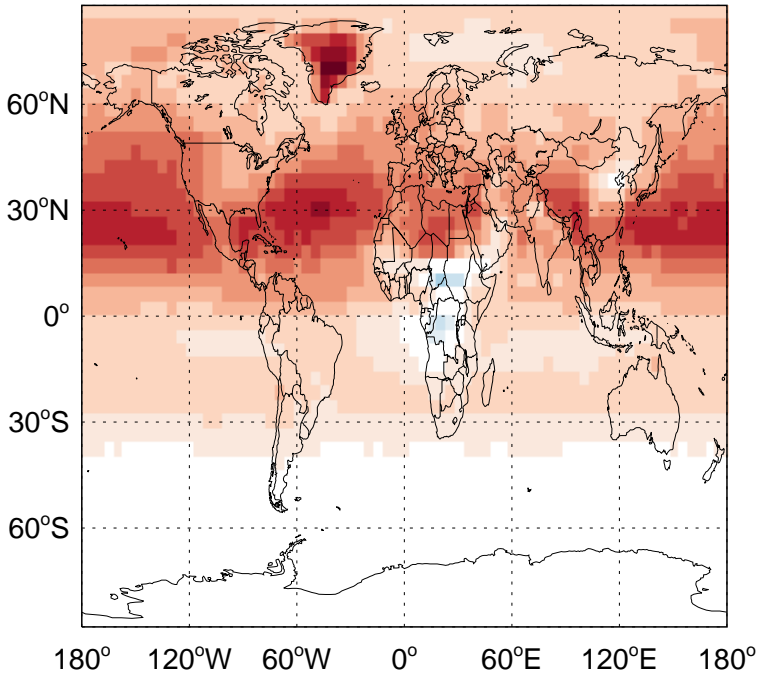
v11-02d - v11-02c

JHNO3 - J-Value Diff @ 500 hPa for Jul



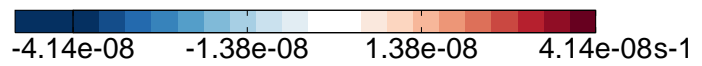
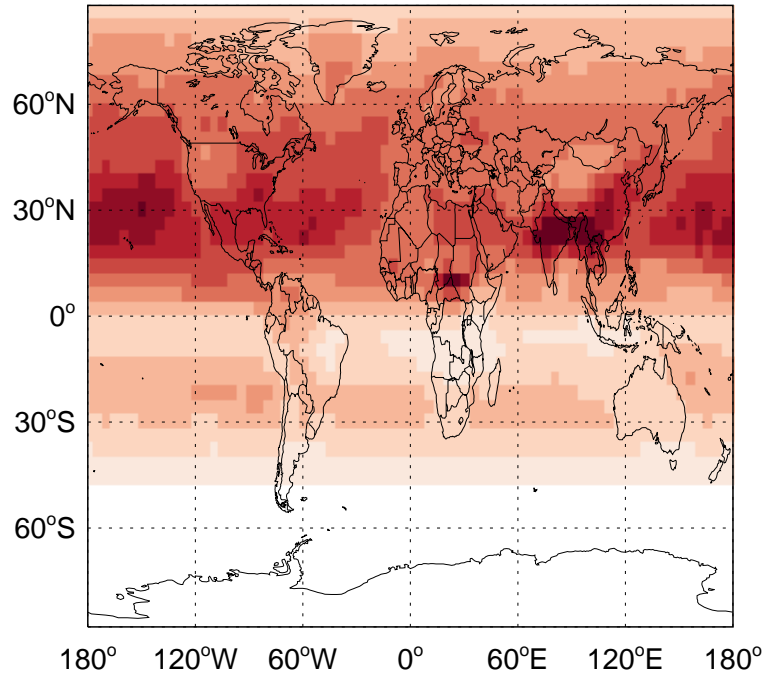
v11-02d - v11-02a

JHNO3 - J-Value Diff @ surface for Jul



v11-02d - v11-02a

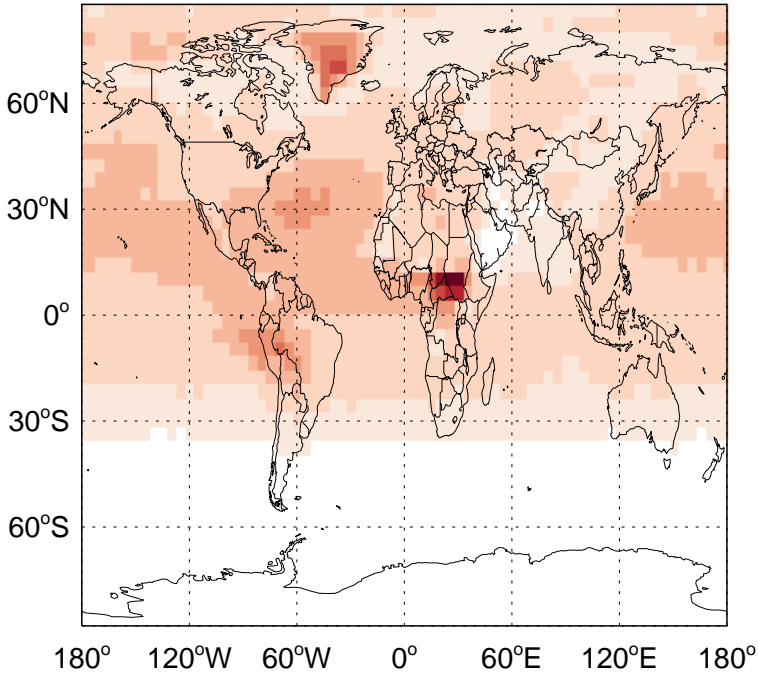
JHNO3 - J-Value Diff @ 500 hPa for Jul



GEOS-Chem J-Values at surface and 500 hPa

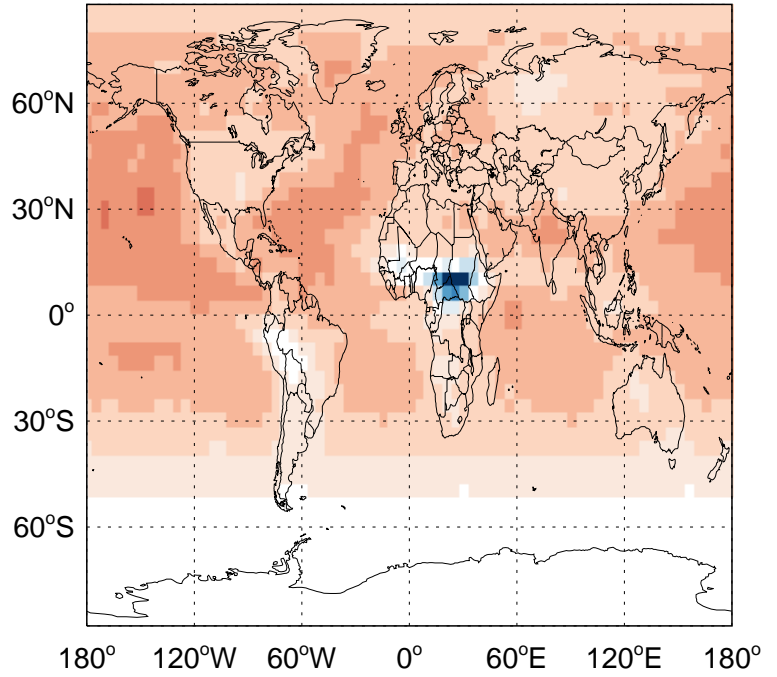
v11-02d - v11-02c

JH2O2 - J-Value Diff @ surface for Jul



v11-02d - v11-02c

JH2O2 - J-Value Diff @ 500 hPa for Jul

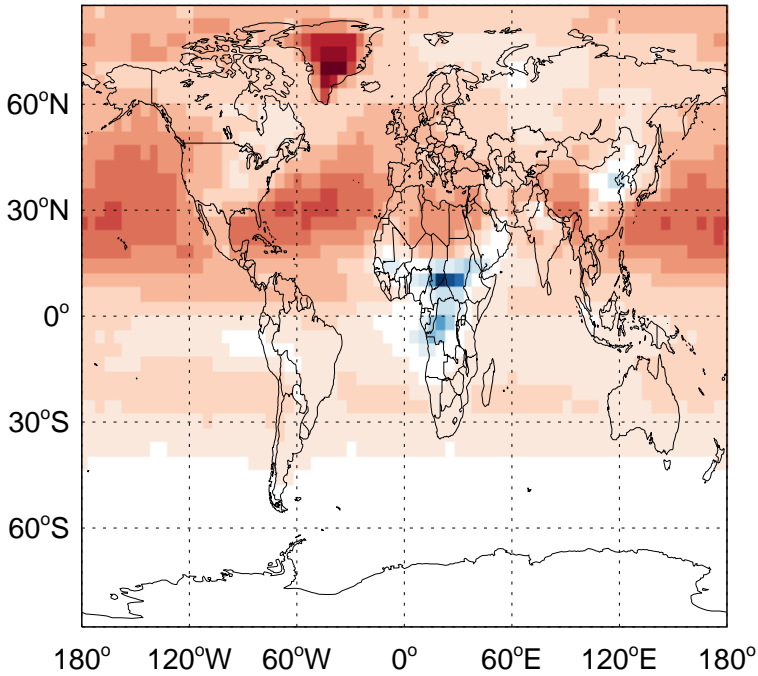


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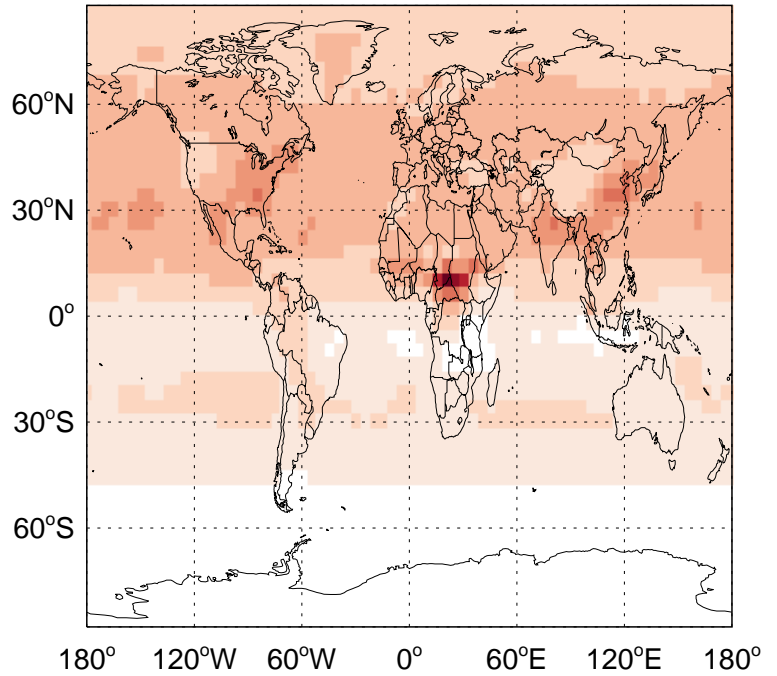
v11-02d - v11-02a

JH2O2 - J-Value Diff @ surface for Jul



v11-02d - v11-02a

JH2O2 - J-Value Diff @ 500 hPa for Jul



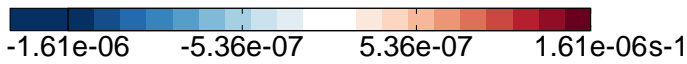
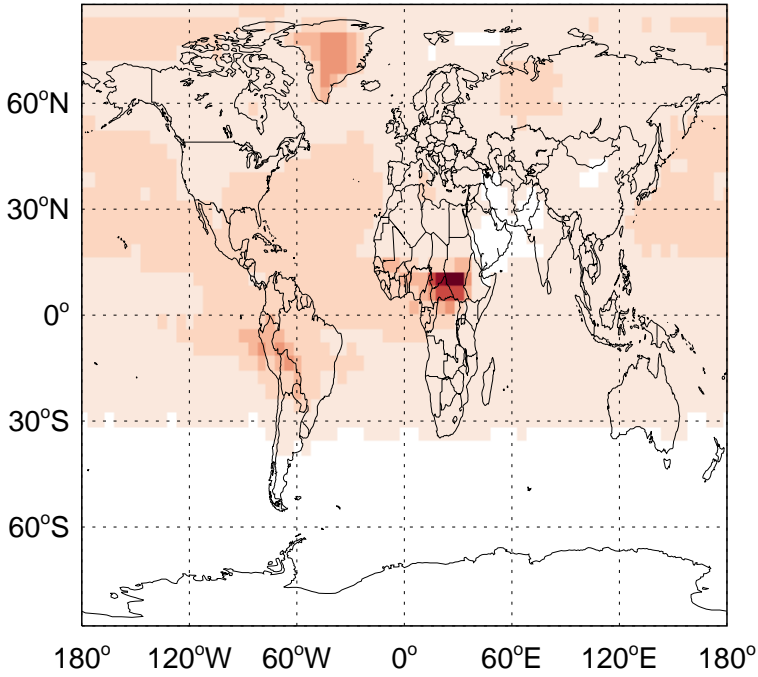
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GEOS-Chem J-Values at surface and 500 hPa

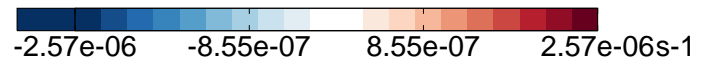
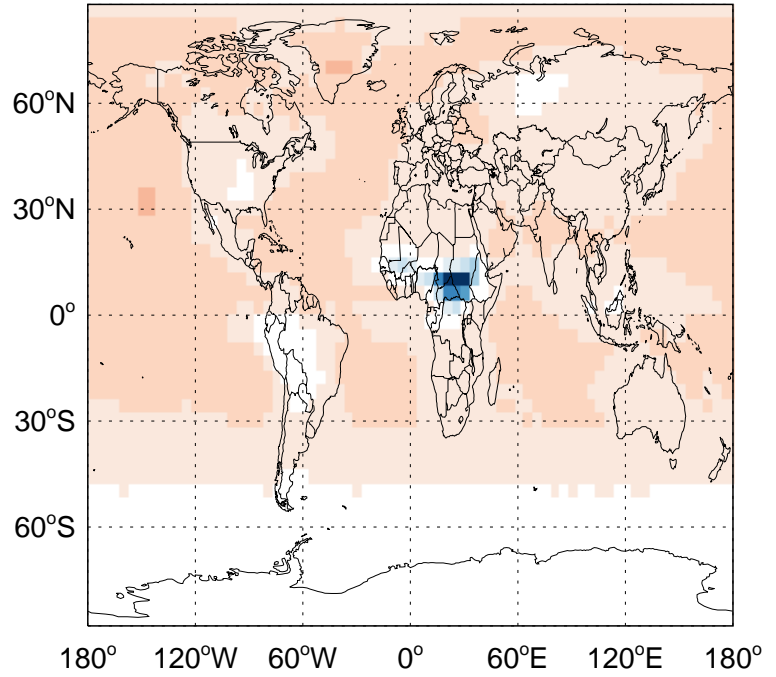
v11-02d - v11-02c

JCH2O - J-Value Diff @ surface for Jul



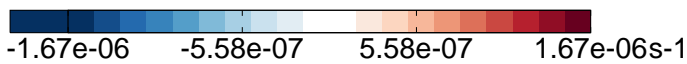
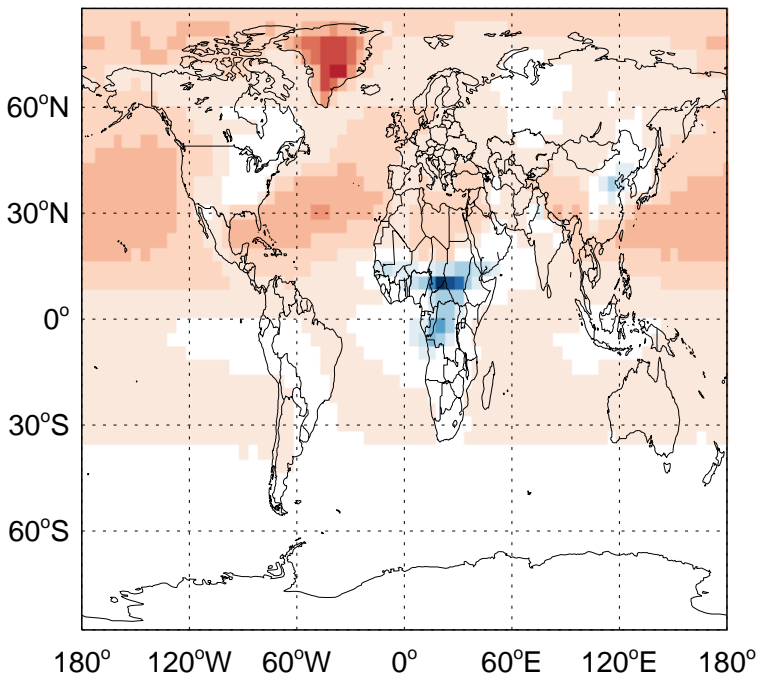
v11-02d - v11-02c

JCH2O - J-Value Diff @ 500 hPa for Jul



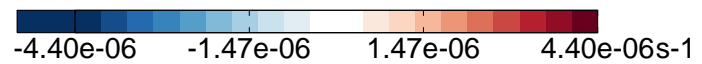
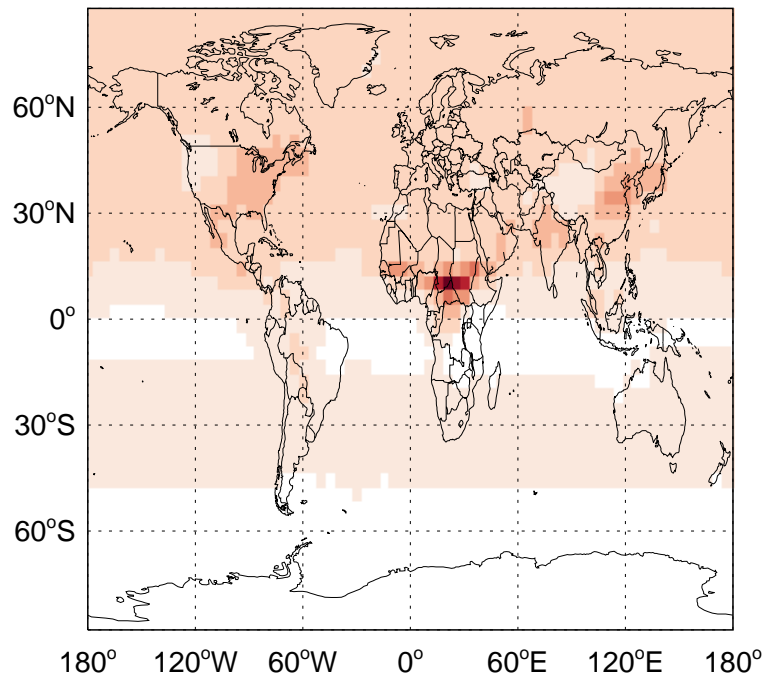
v11-02d - v11-02a

JCH2O - J-Value Diff @ surface for Jul



v11-02d - v11-02a

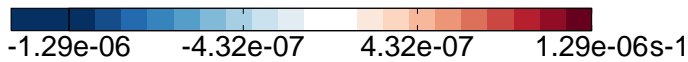
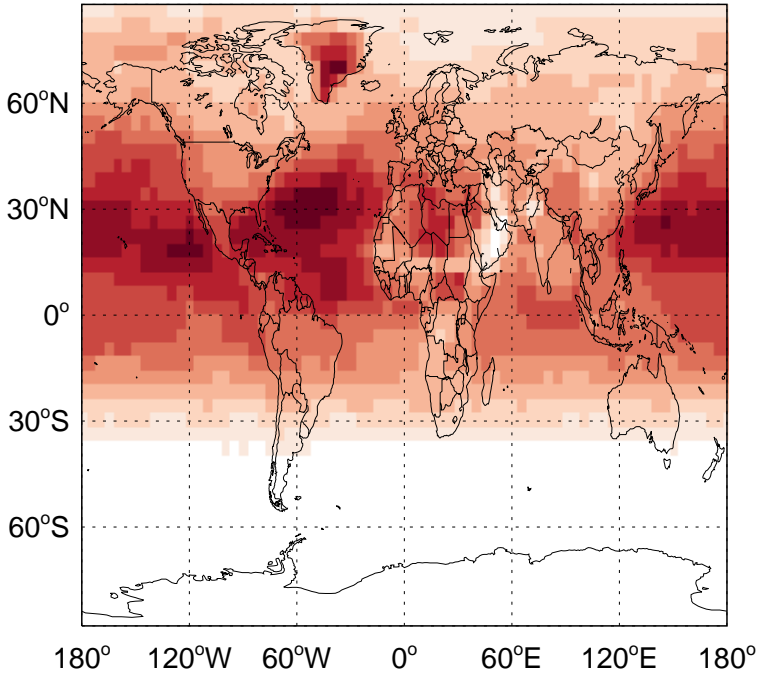
JCH2O - J-Value Diff @ 500 hPa for Jul



GEOS-Chem J-Values at surface and 500 hPa

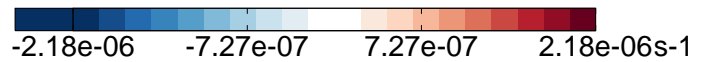
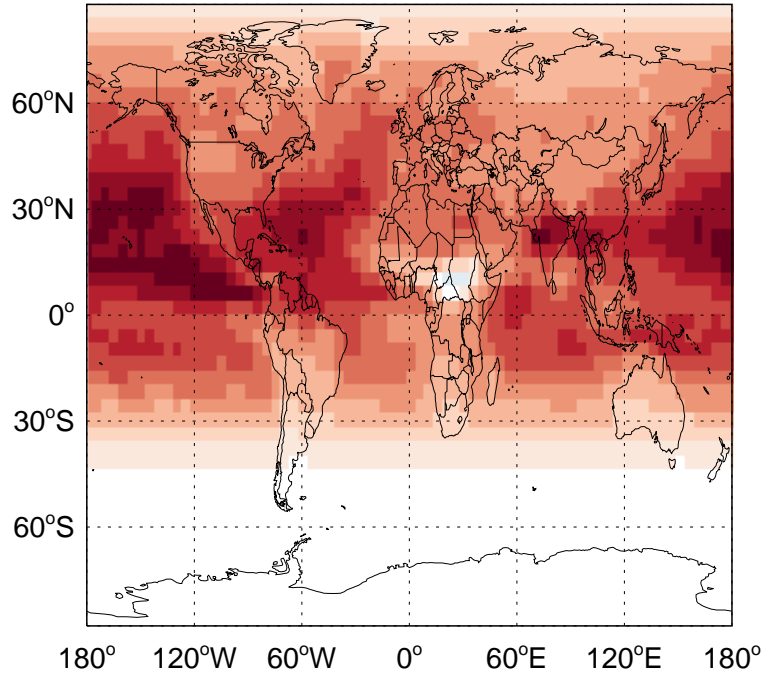
v11-02d - v11-02c

JO3_O1D - J-Value Diff @ surface for Jul



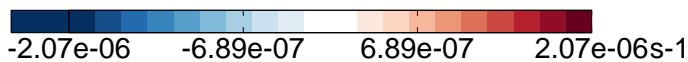
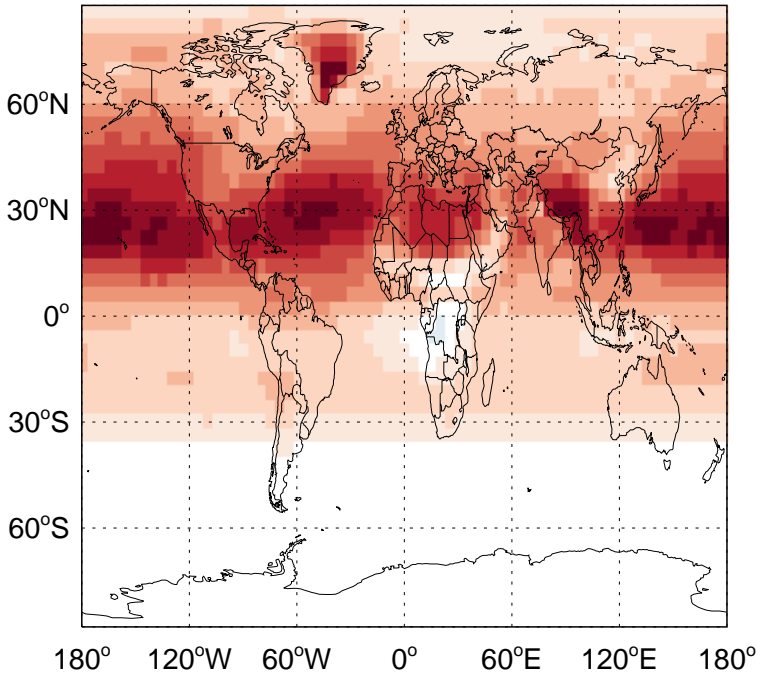
v11-02d - v11-02c

JO3_O1D - J-Value Diff @ 500 hPa for Jul



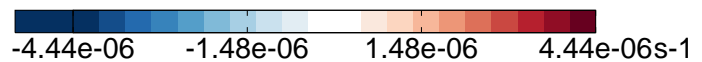
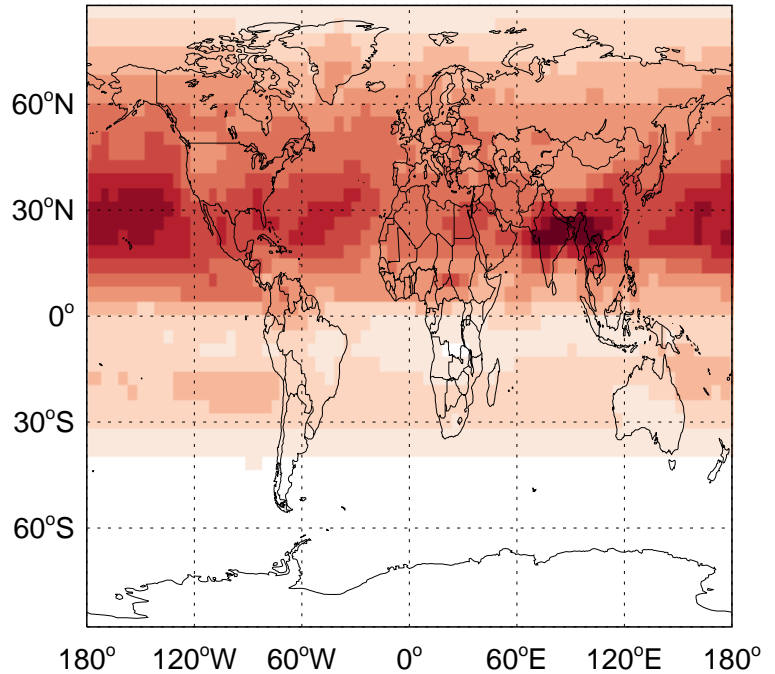
v11-02d - v11-02a

JO3_O1D - J-Value Diff @ surface for Jul



v11-02d - v11-02a

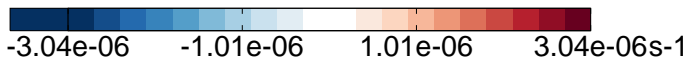
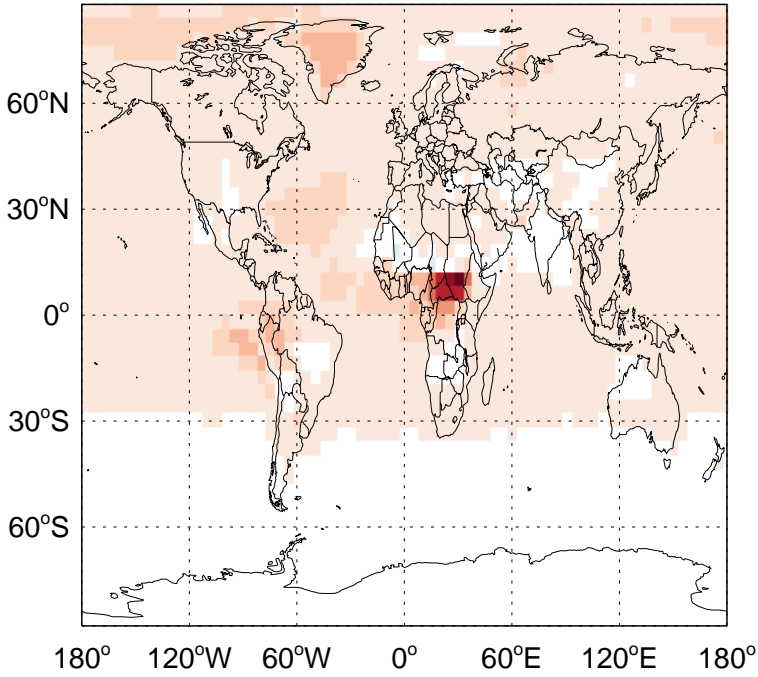
JO3_O1D - J-Value Diff @ 500 hPa for Jul



GEOS-Chem J-Values at surface and 500 hPa

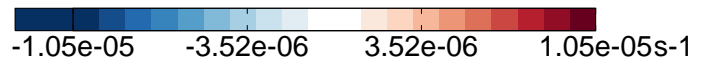
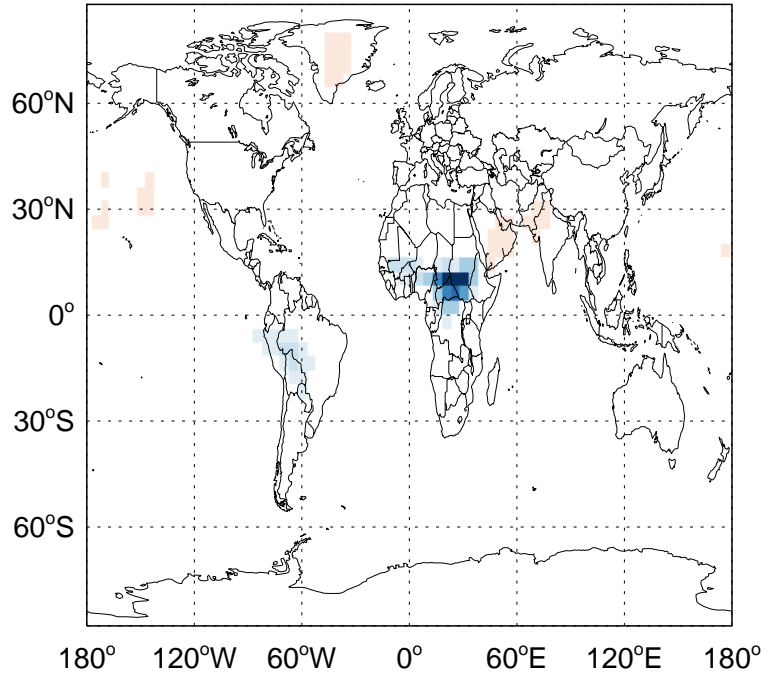
v11-02d - v11-02c

JO3_O3P - J-Value Diff @ surface for Jul



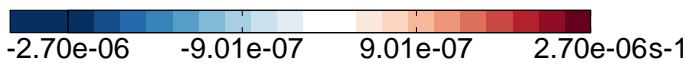
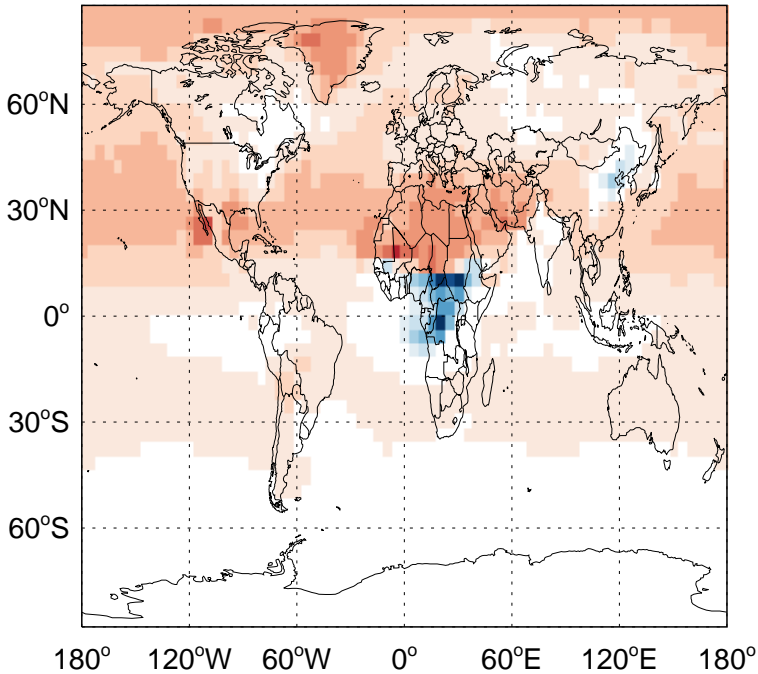
v11-02d - v11-02c

JO3_O3P - J-Value Diff @ 500 hPa for Jul



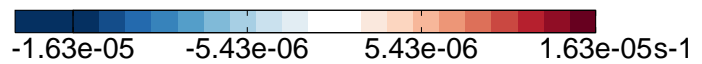
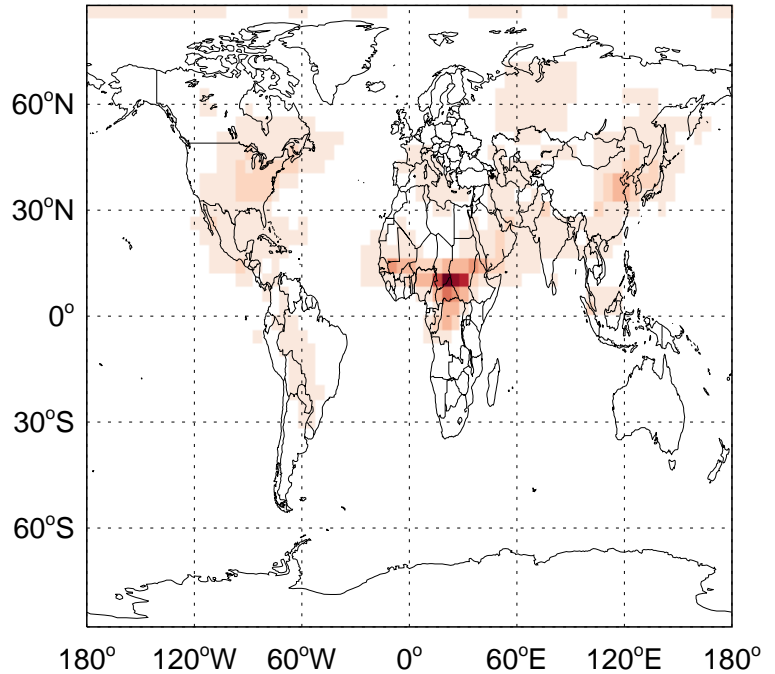
v11-02d - v11-02a

JO3_O3P - J-Value Diff @ surface for Jul



v11-02d - v11-02a

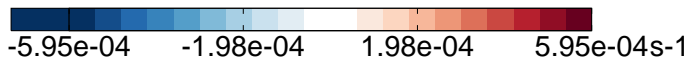
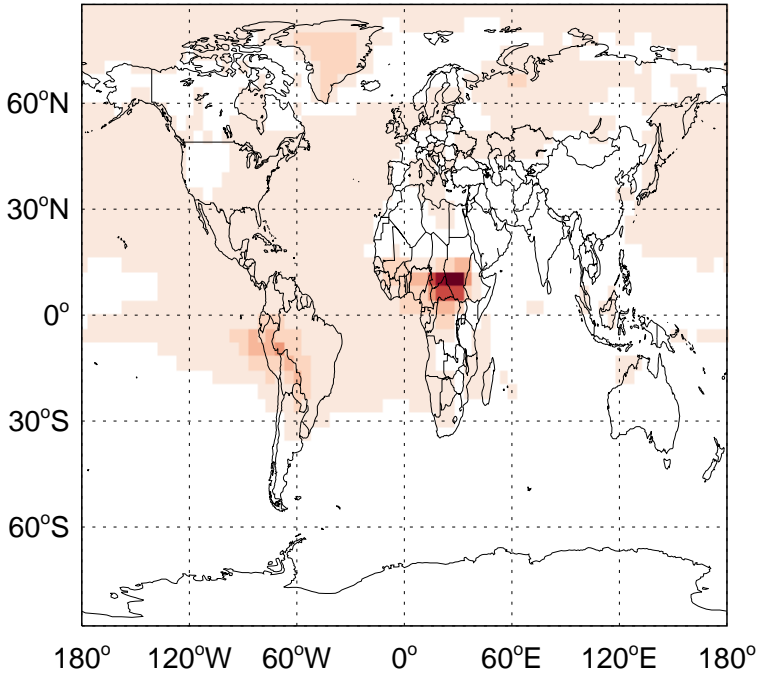
JO3_O3P - J-Value Diff @ 500 hPa for Jul



GEOS-Chem J-Values at surface and 500 hPa

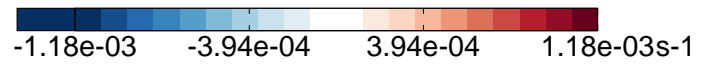
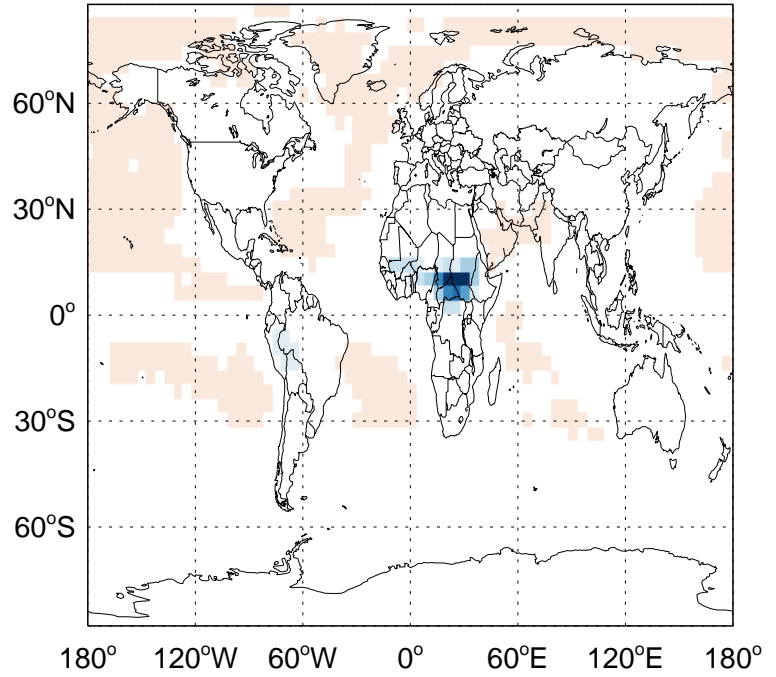
v11-02d - v11-02c

JBrO - J-Value Diff @ surface for Jul



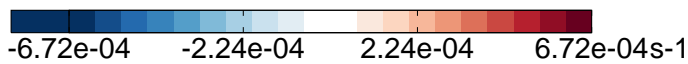
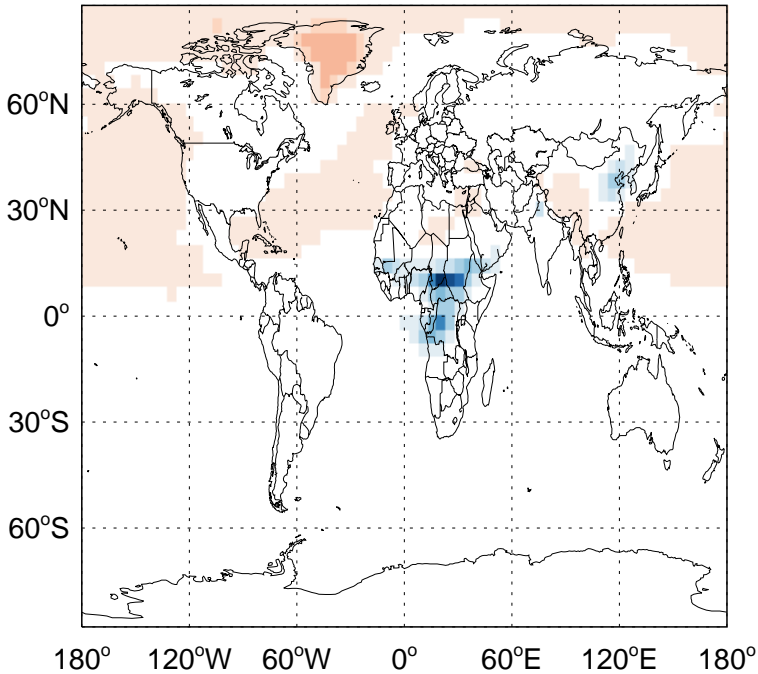
v11-02d - v11-02c

JBrO - J-Value Diff @ 500 hPa for Jul



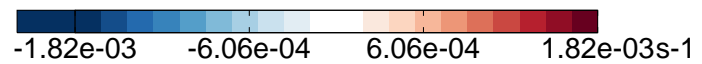
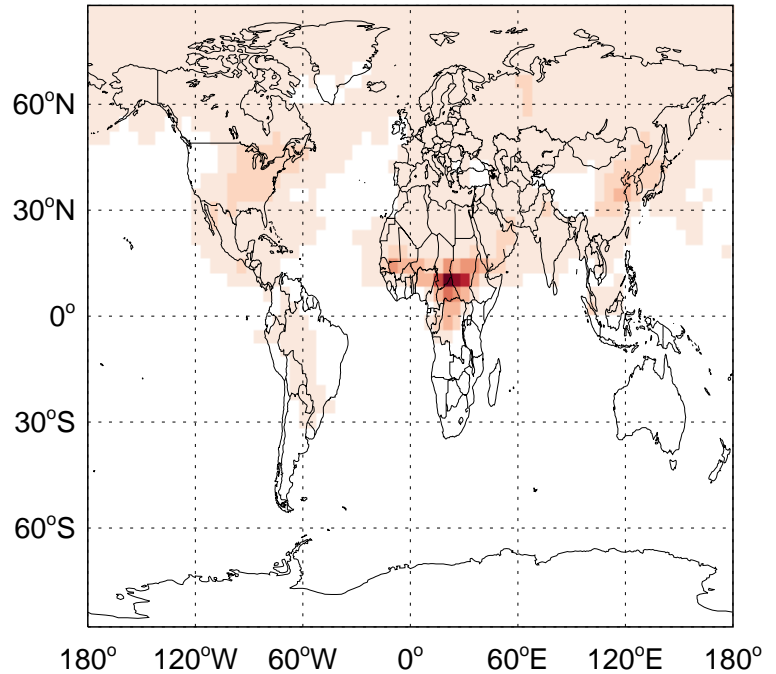
v11-02d - v11-02a

JBrO - J-Value Diff @ surface for Jul



v11-02d - v11-02a

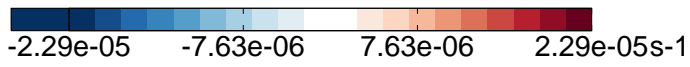
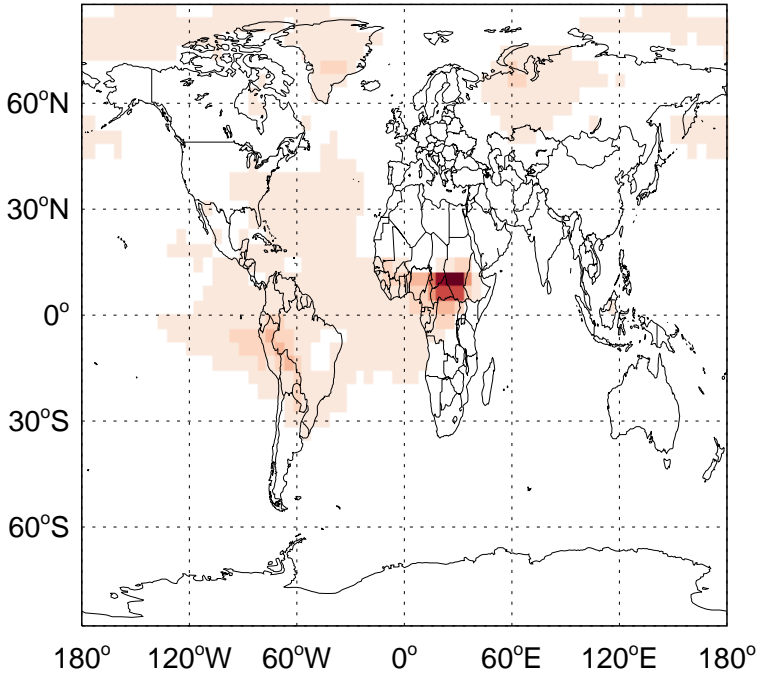
JBrO - J-Value Diff @ 500 hPa for Jul



GEOS-Chem J-Values at surface and 500 hPa

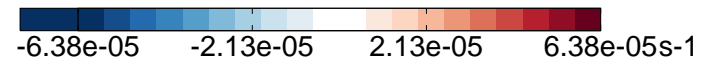
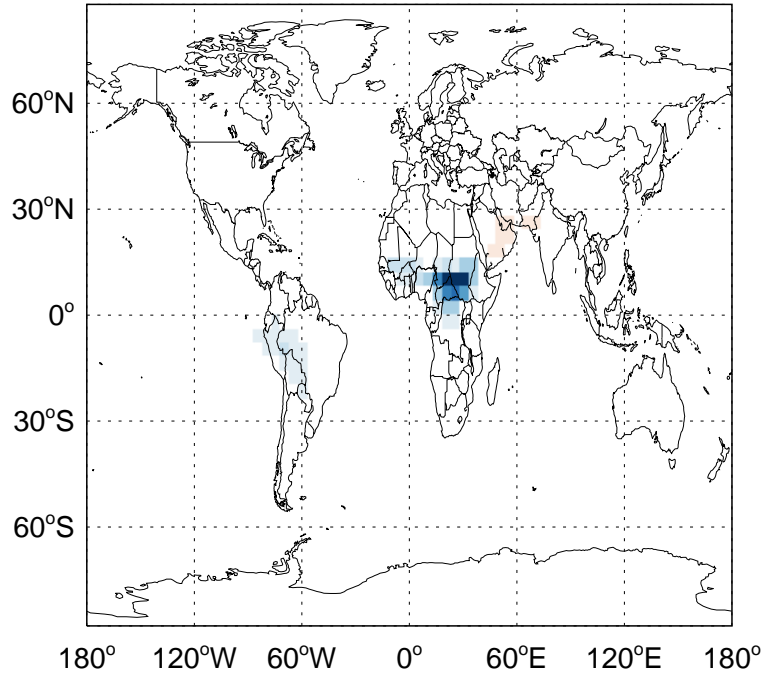
v11-02d - v11-02c

JHOBr - J-Value Diff @ surface for Jul



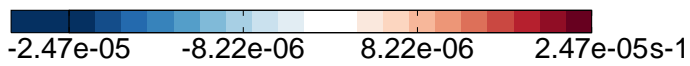
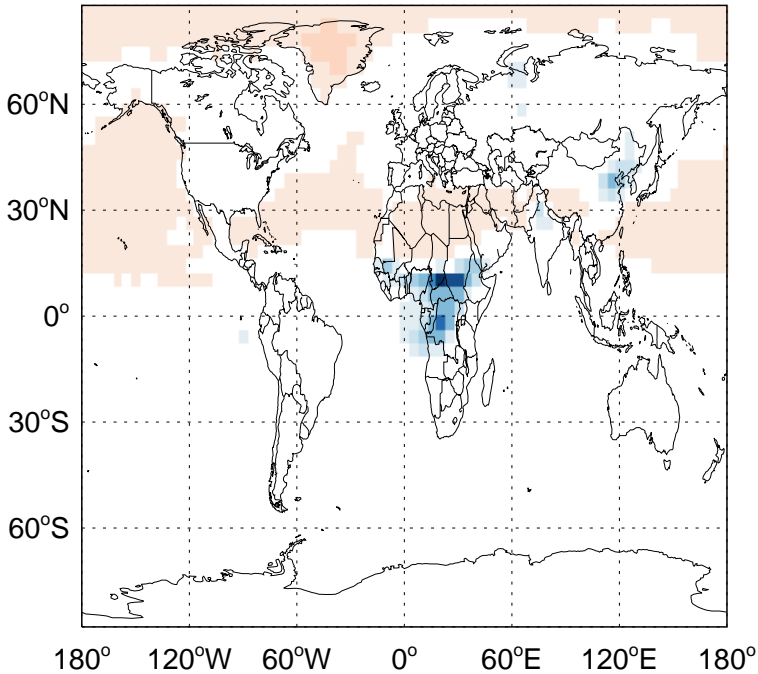
v11-02d - v11-02c

JHOBr - J-Value Diff @ 500 hPa for Jul



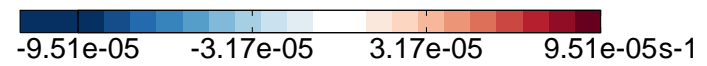
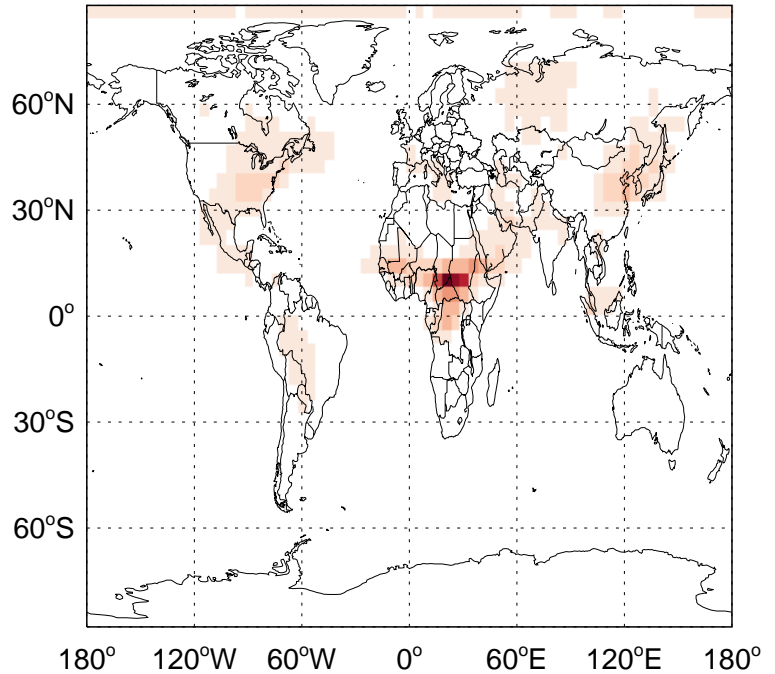
v11-02d - v11-02a

JHOBr - J-Value Diff @ surface for Jul



v11-02d - v11-02a

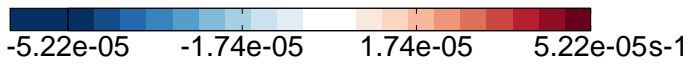
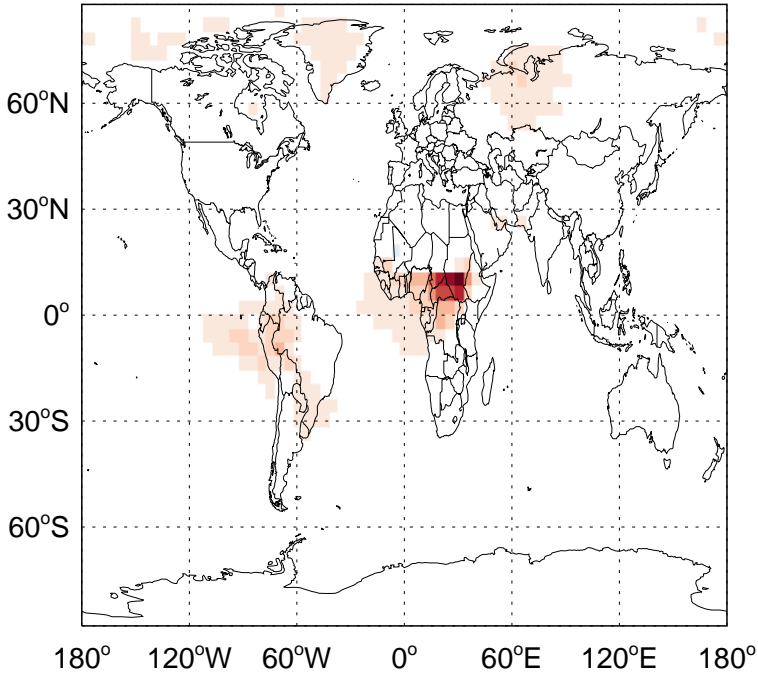
JHOBr - J-Value Diff @ 500 hPa for Jul



GEOS-Chem J-Values at surface and 500 hPa

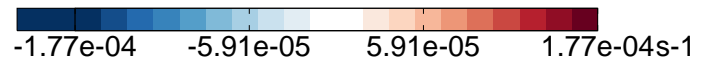
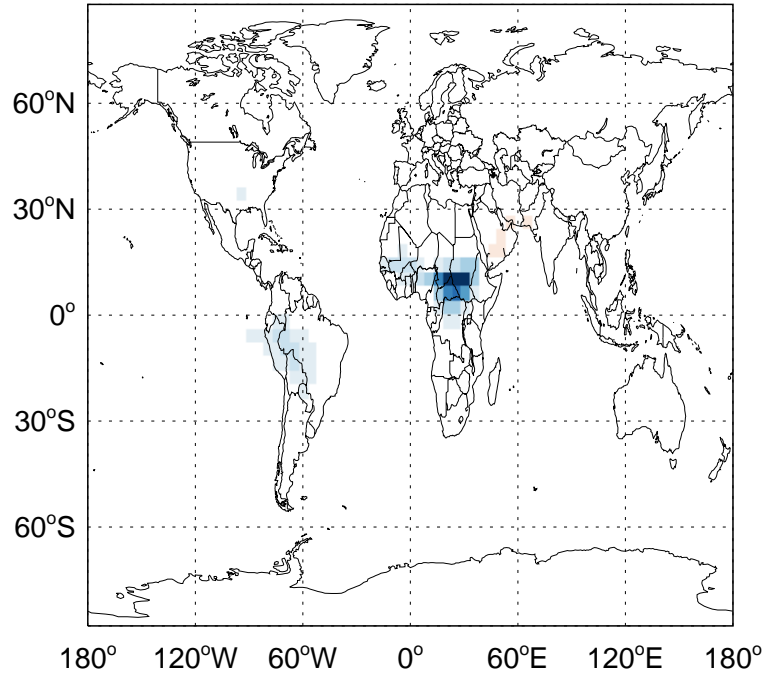
v11-02d - v11-02c

JBrNO2 - J-Value Diff @ surface for Jul



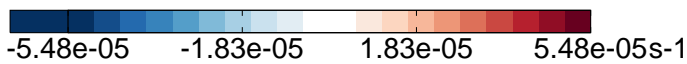
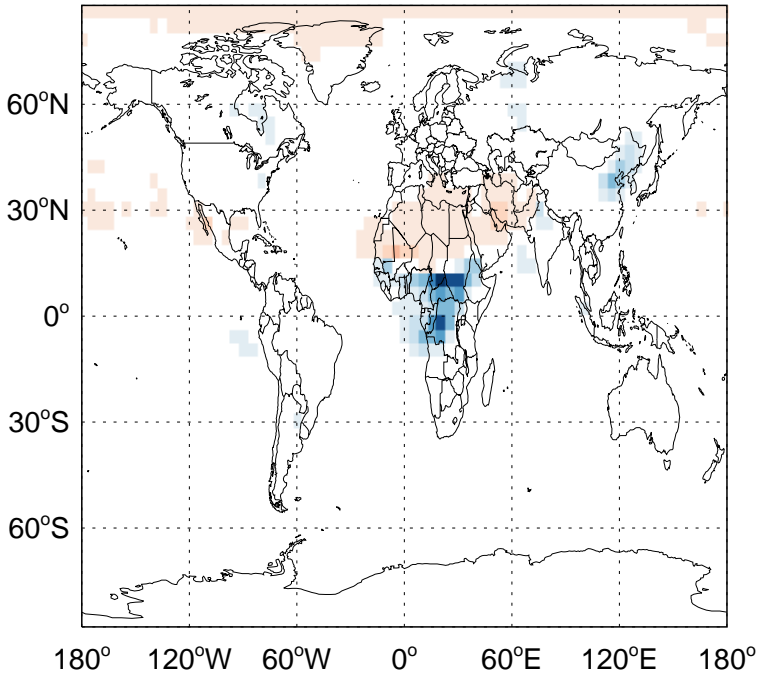
v11-02d - v11-02c

JBrNO2 - J-Value Diff @ 500 hPa for Jul



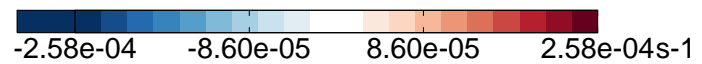
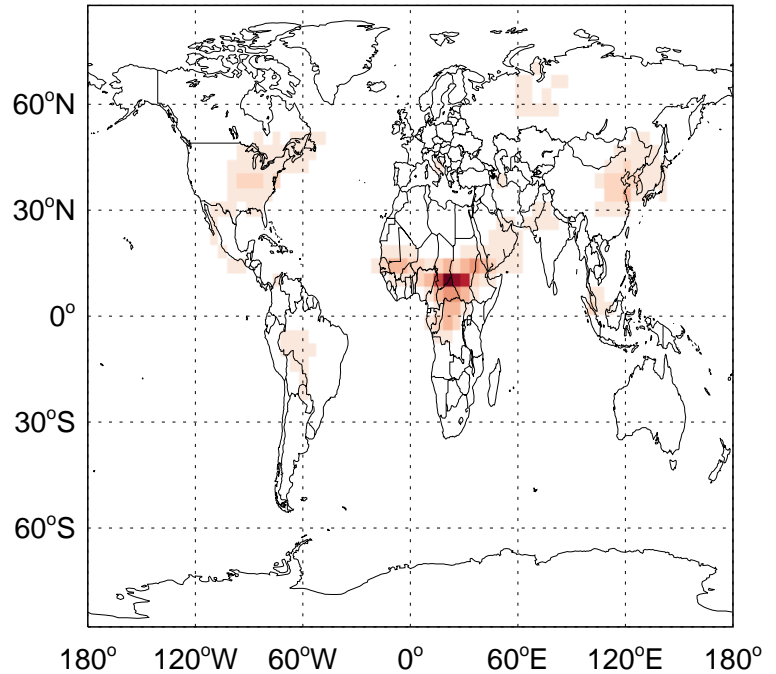
v11-02d - v11-02a

JBrNO2 - J-Value Diff @ surface for Jul



v11-02d - v11-02a

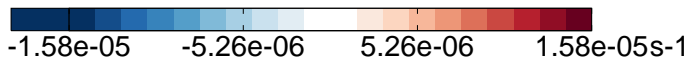
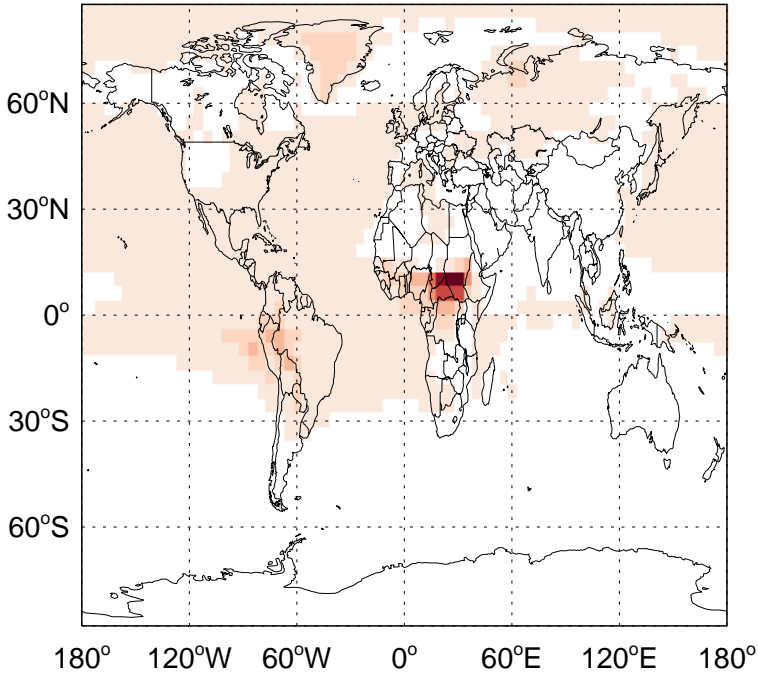
JBrNO2 - J-Value Diff @ 500 hPa for Jul



GEOS-Chem J-Values at surface and 500 hPa

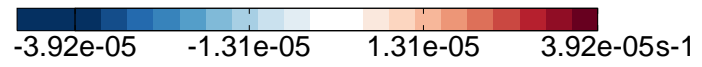
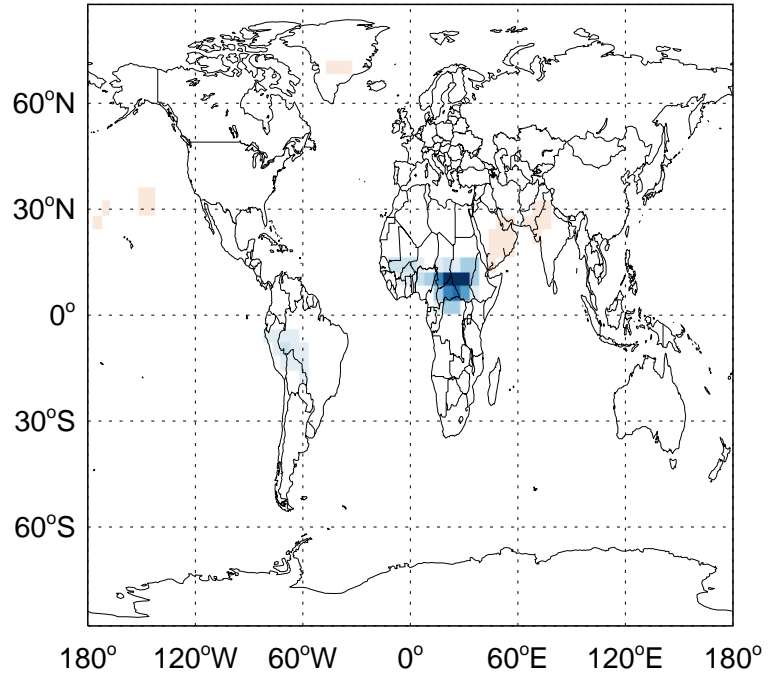
v11-02d - v11-02c

JBrNO3 - J-Value Diff @ surface for Jul



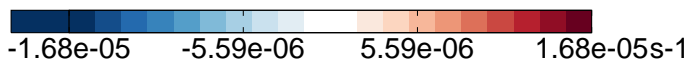
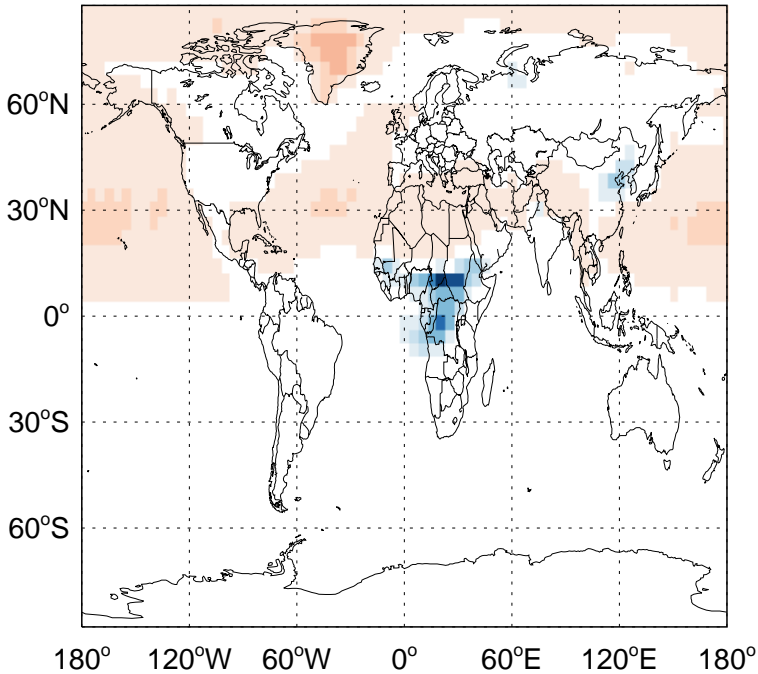
v11-02d - v11-02c

JBrNO3 - J-Value Diff @ 500 hPa for Jul



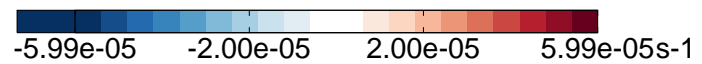
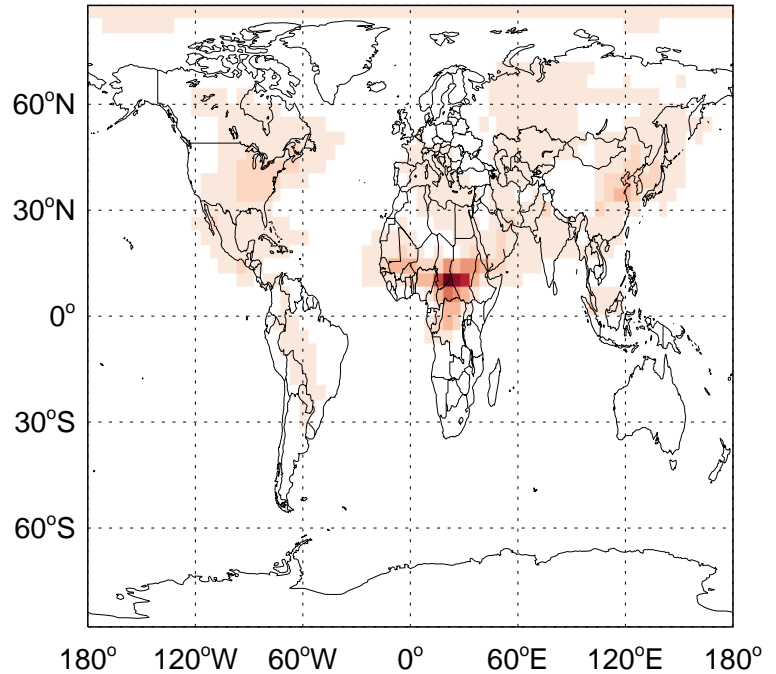
v11-02d - v11-02a

JBrNO3 - J-Value Diff @ surface for Jul



v11-02d - v11-02a

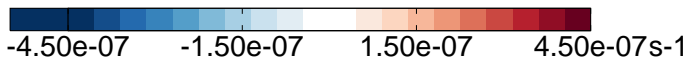
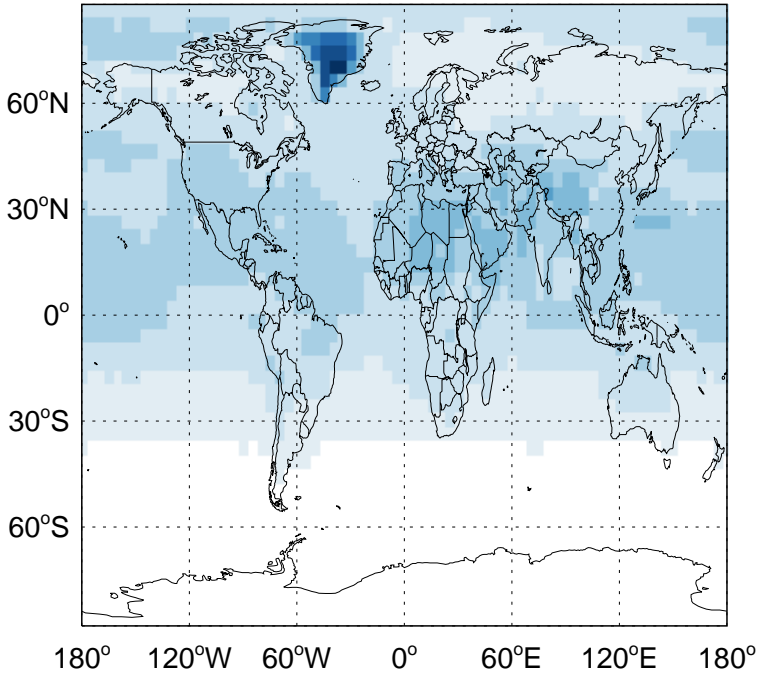
JBrNO3 - J-Value Diff @ 500 hPa for Jul



GEOS-Chem J-Values at surface and 500 hPa

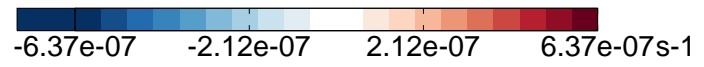
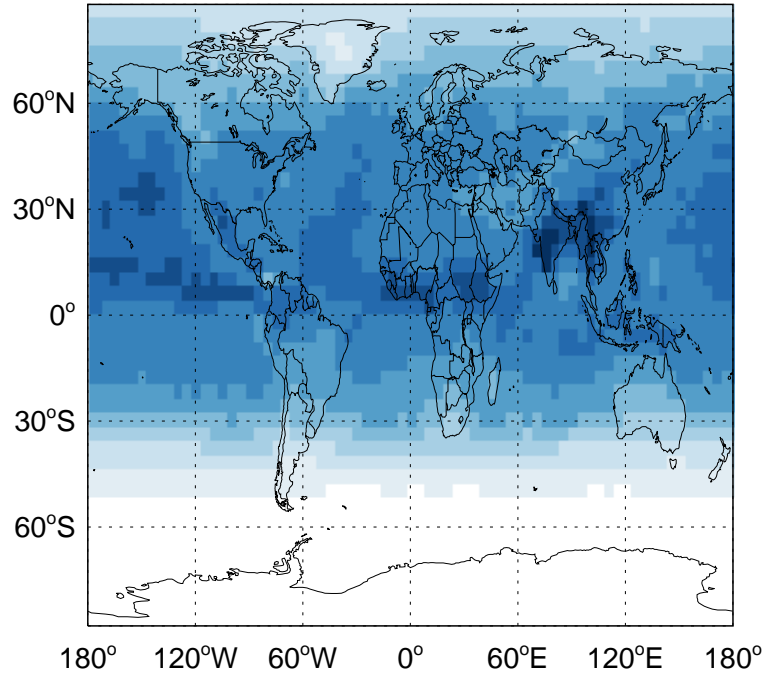
v11-02d - v11-02c

JCHBr3 - J-Value Diff @ surface for Jul



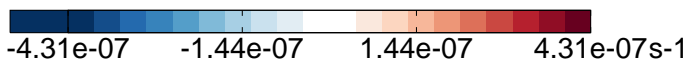
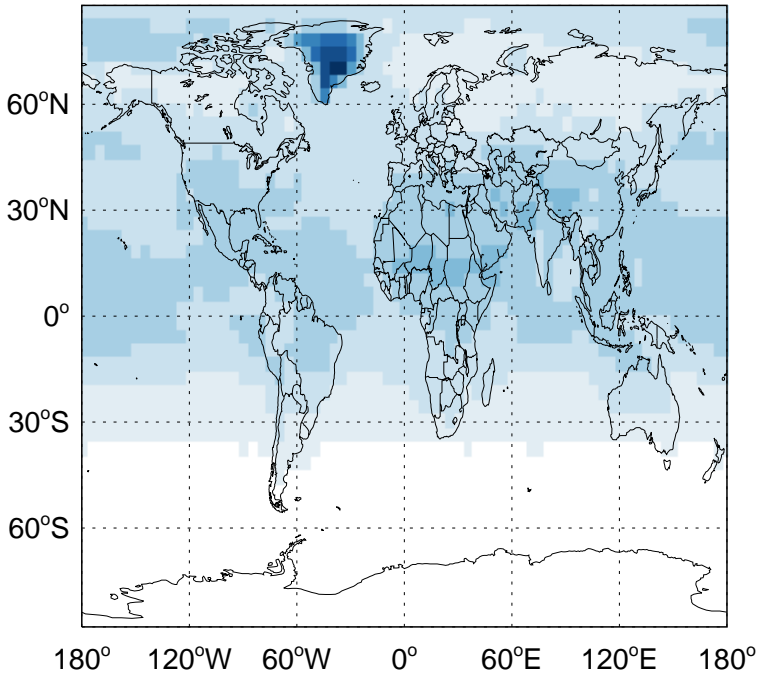
v11-02d - v11-02c

JCHBr3 - J-Value Diff @ 500 hPa for Jul



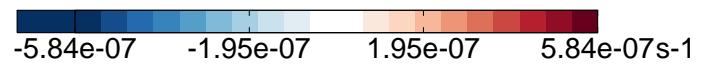
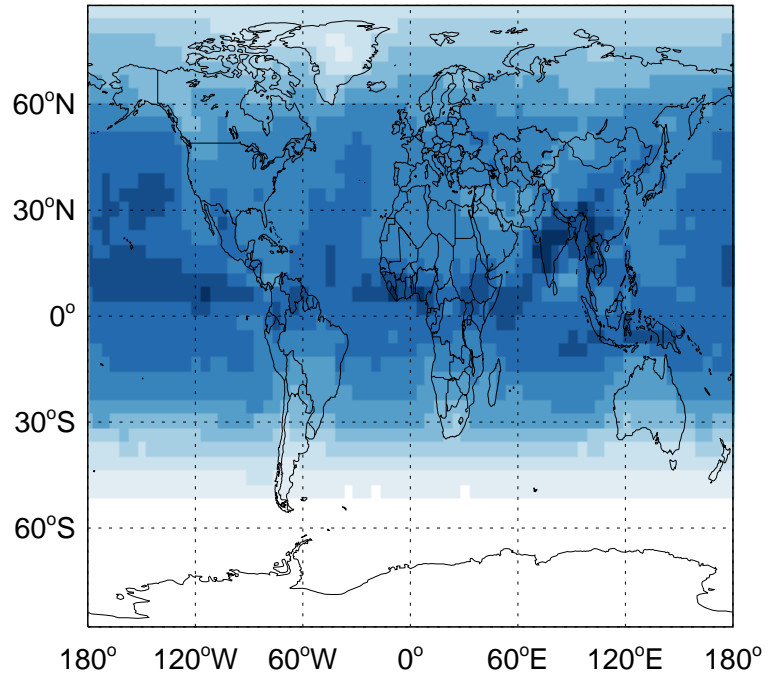
v11-02d - v11-02a

JCHBr3 - J-Value Diff @ surface for Jul



v11-02d - v11-02a

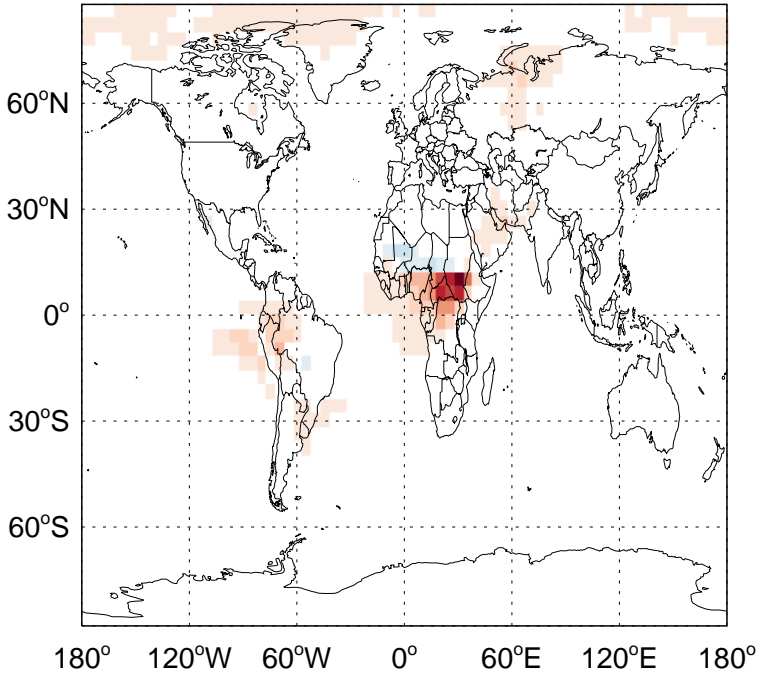
JCHBr3 - J-Value Diff @ 500 hPa for Jul



GEOS-Chem J-Values at surface and 500 hPa

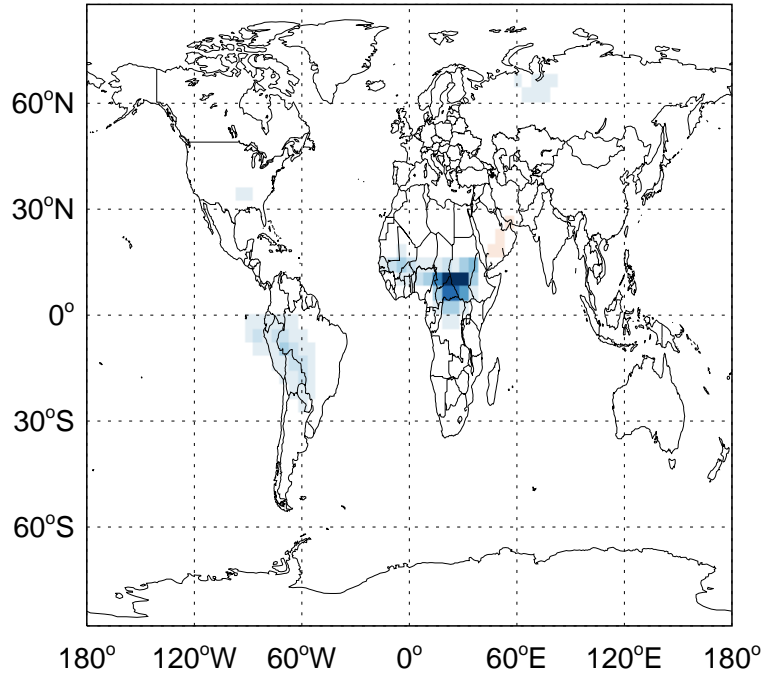
v11-02d - v11-02c

JBr2 - J-Value Diff @ surface for Jul



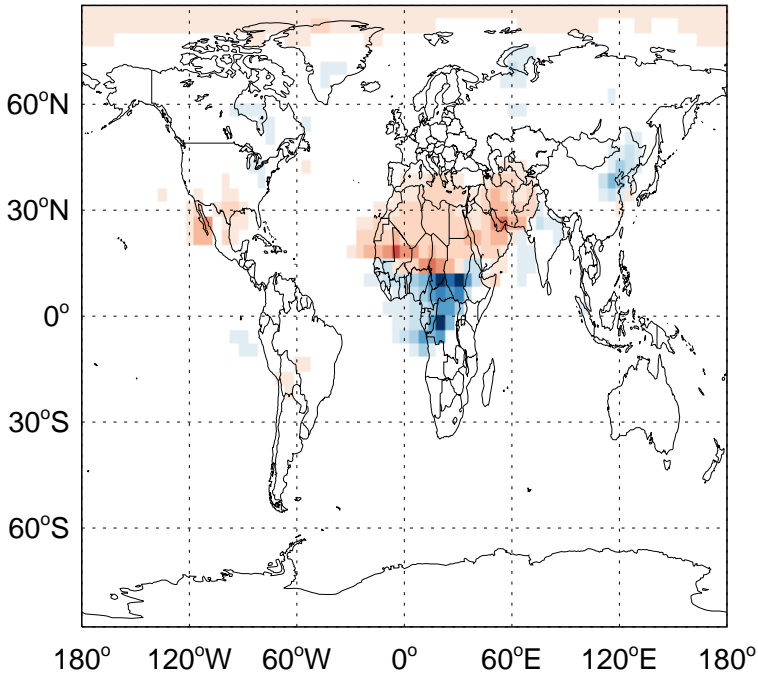
v11-02d - v11-02c

JBr2 - J-Value Diff @ 500 hPa for Jul



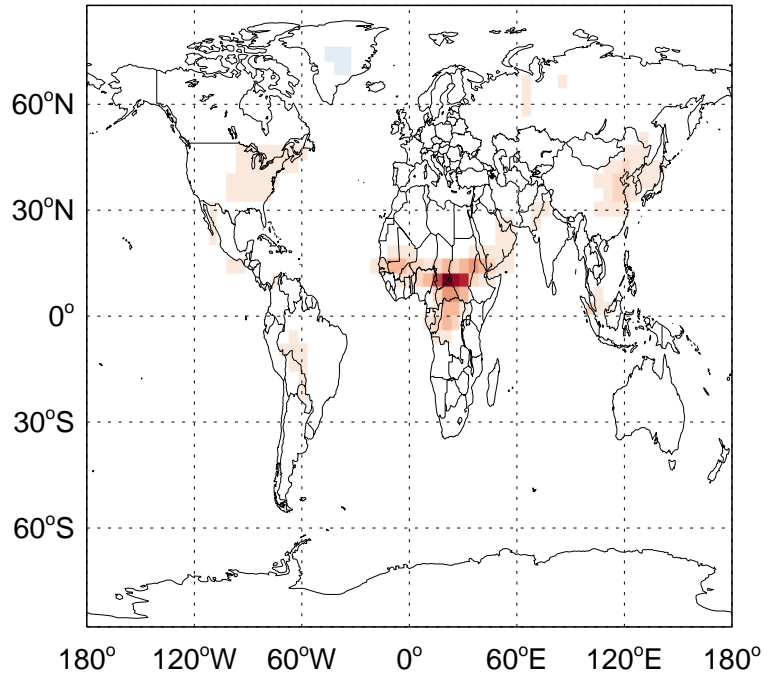
v11-02d - v11-02a

JBr2 - J-Value Diff @ surface for Jul



v11-02d - v11-02a

JBr2 - J-Value Diff @ 500 hPa for Jul



-1.93e-04 -6.42e-05 6.42e-05 1.93e-04s-1

-8.22e-04 -2.74e-04 2.74e-04 8.22e-04s-1

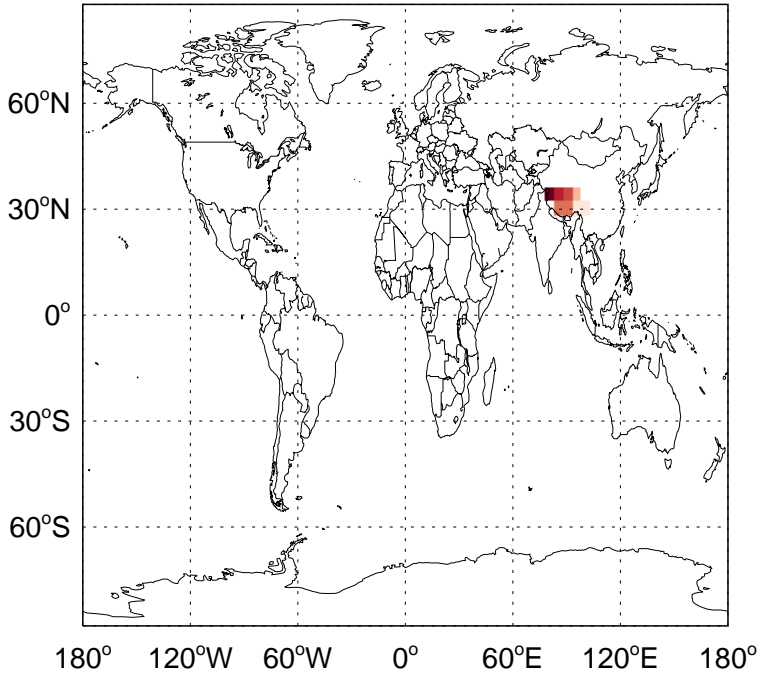
-1.97e-04 -6.56e-05 6.56e-05 1.97e-04s-1

-1.19e-03 -3.97e-04 3.97e-04 1.19e-03s-1

GEOS-Chem J-Values at surface and 500 hPa

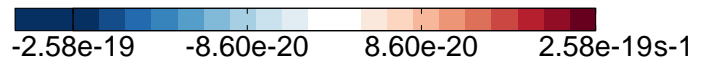
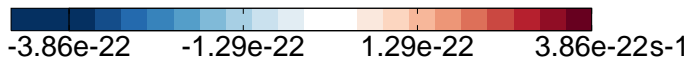
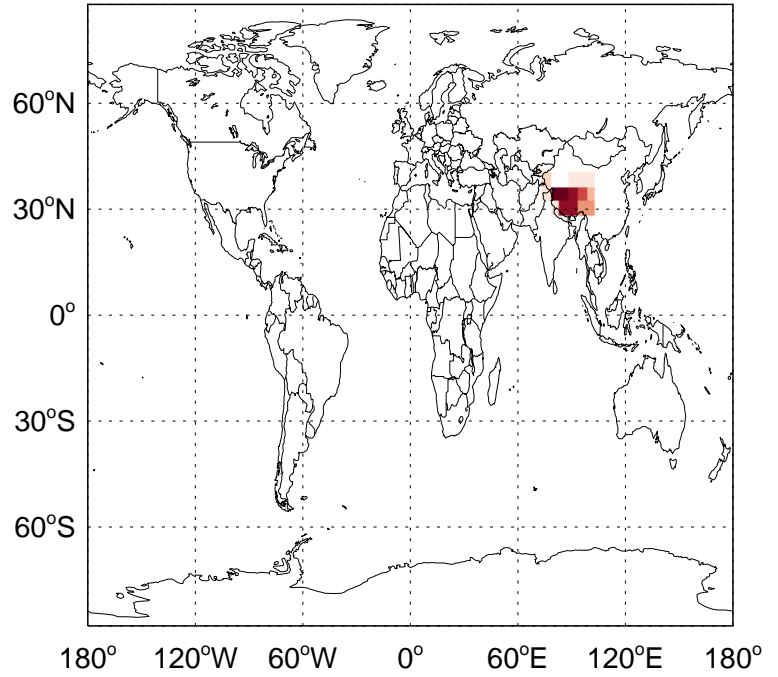
v11-02d - v11-02c

JO2 - J-Value Diff @ surface for Jul



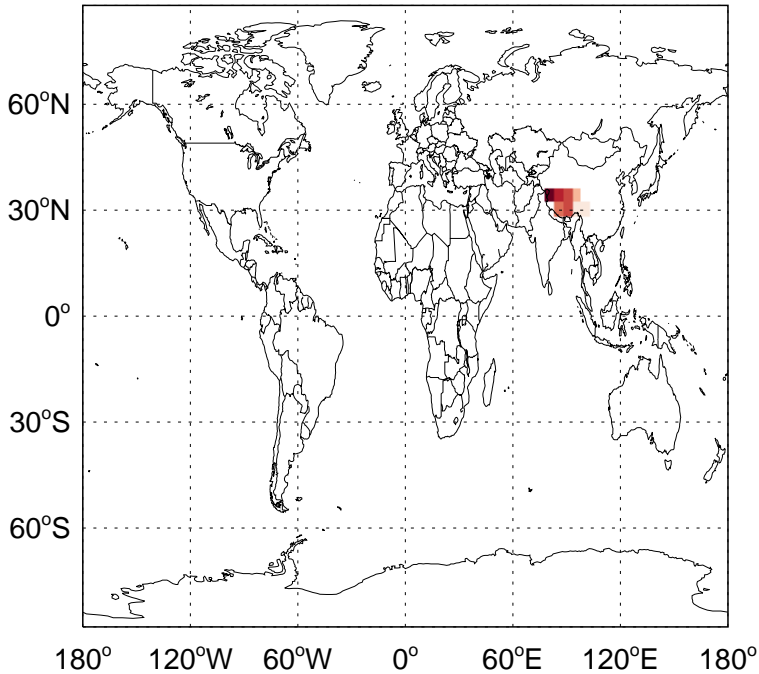
v11-02d - v11-02c

JO2 - J-Value Diff @ 500 hPa for Jul



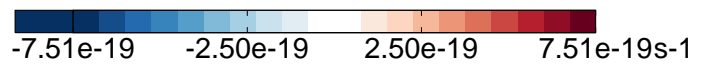
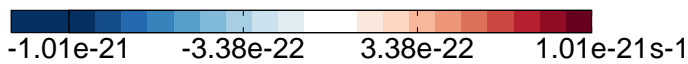
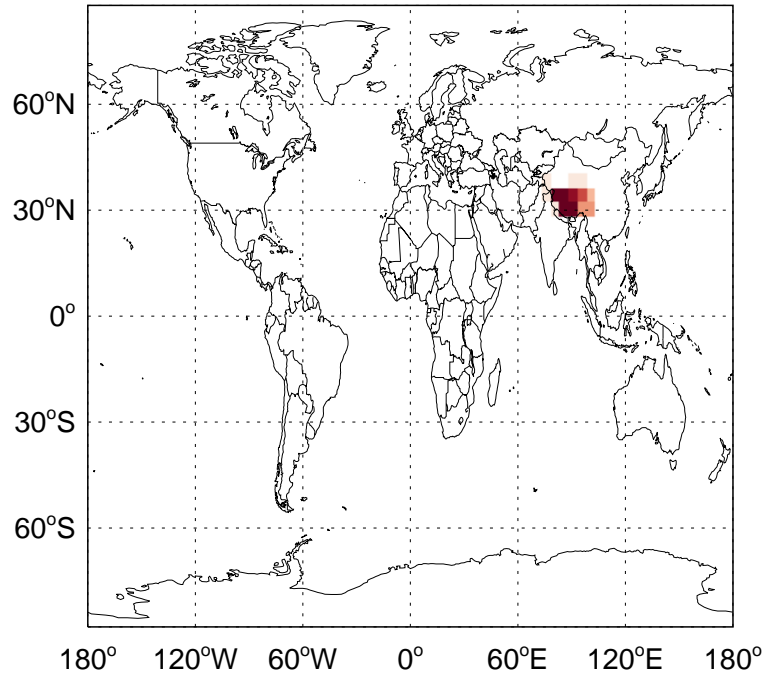
v11-02d - v11-02a

JO2 - J-Value Diff @ surface for Jul



v11-02d - v11-02a

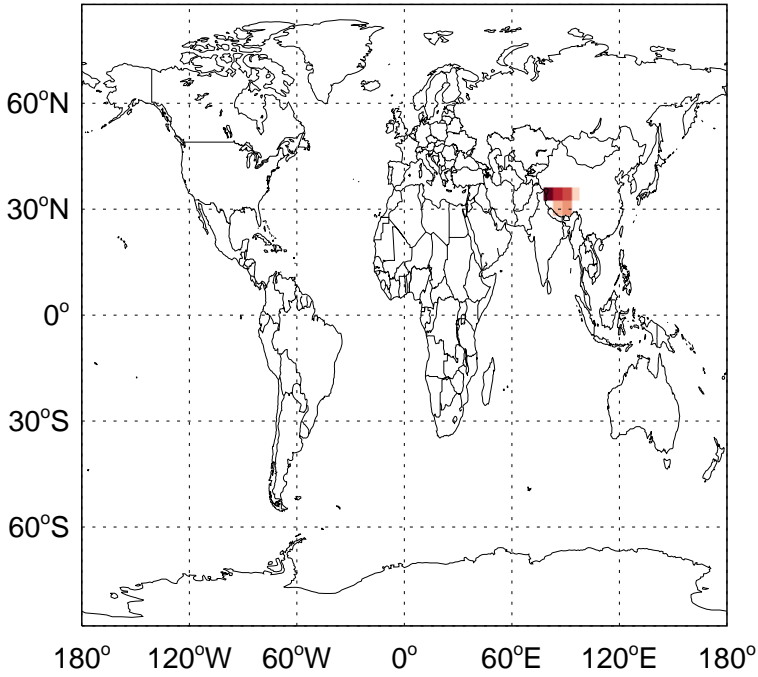
JO2 - J-Value Diff @ 500 hPa for Jul



GEOS-Chem J-Values at surface and 500 hPa

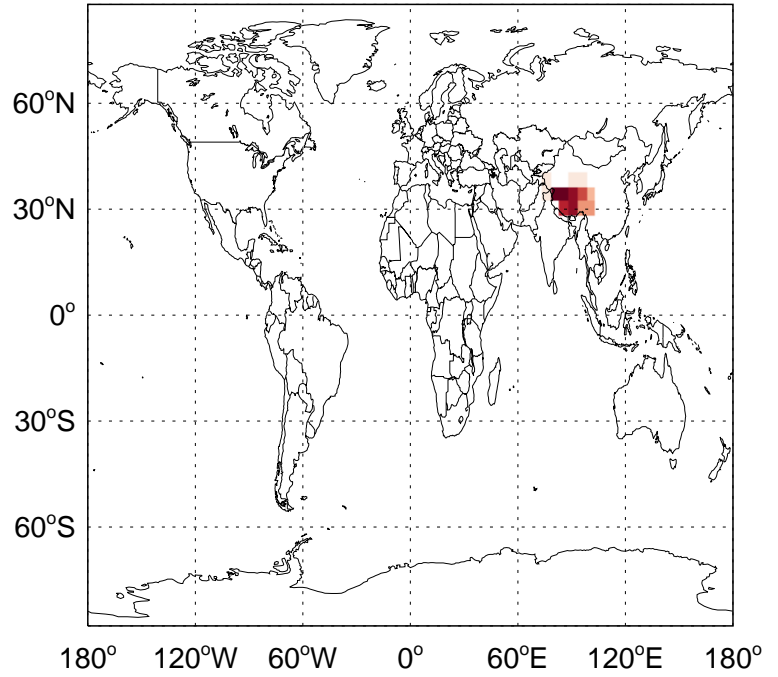
v11-02d - v11-02c

JN2O - J-Value Diff @ surface for Jul



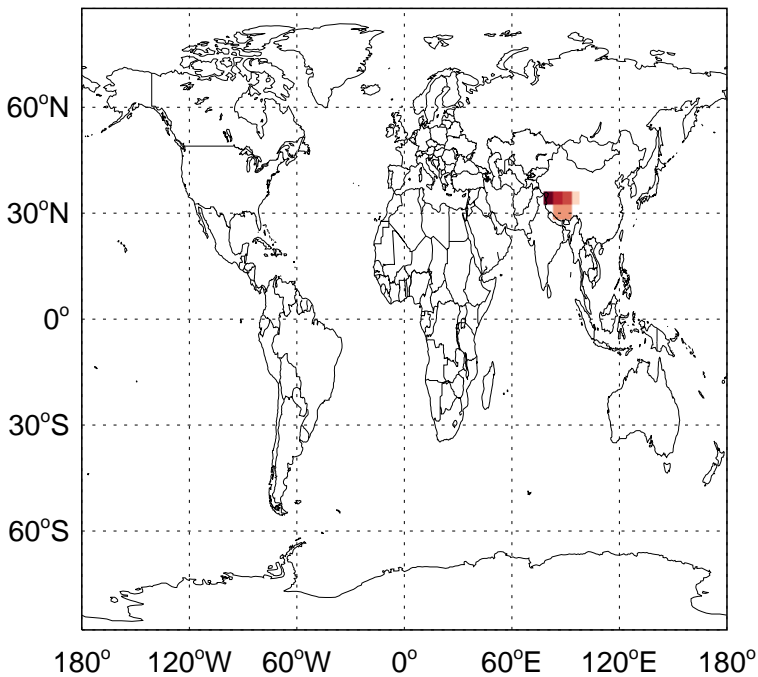
v11-02d - v11-02c

JN2O - J-Value Diff @ 500 hPa for Jul



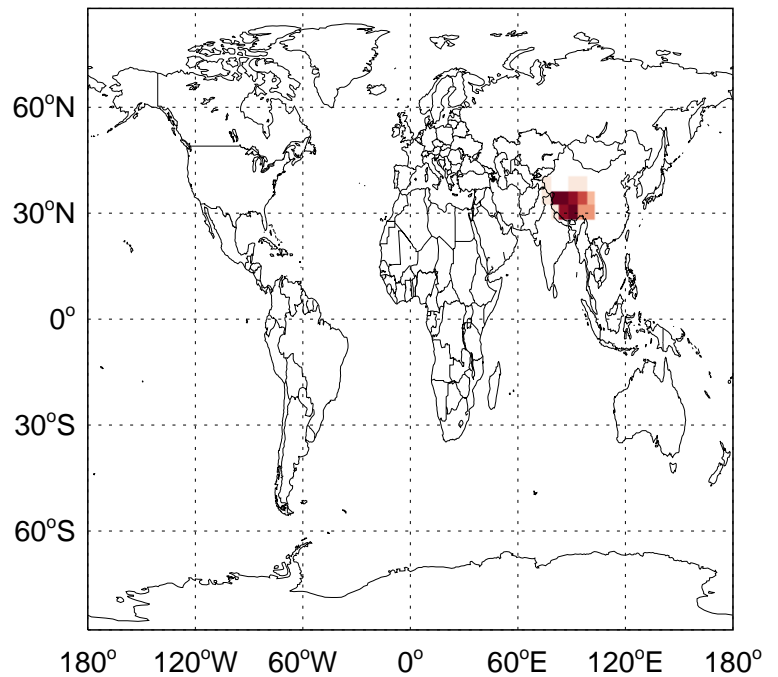
v11-02d - v11-02a

JN2O - J-Value Diff @ surface for Jul



v11-02d - v11-02a

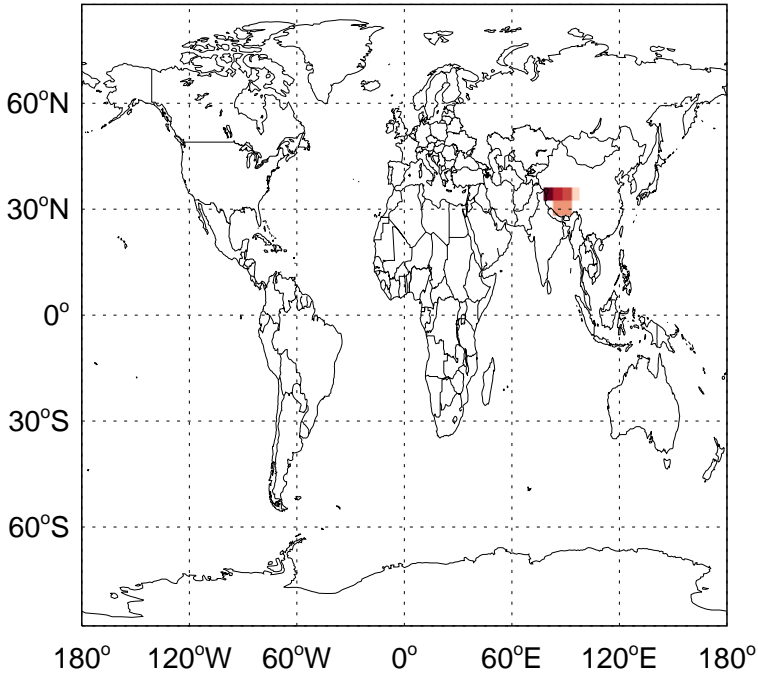
JN2O - J-Value Diff @ 500 hPa for Jul



GEOS-Chem J-Values at surface and 500 hPa

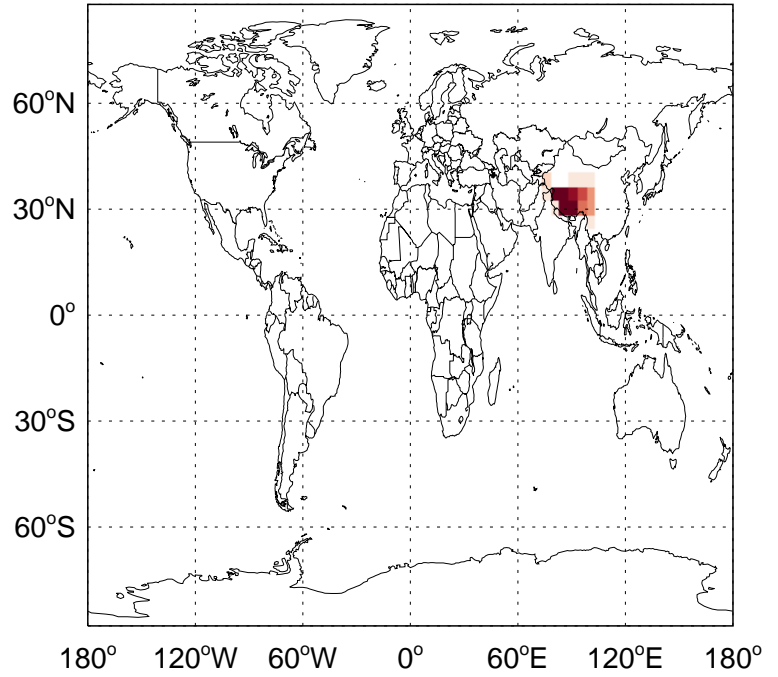
v11-02d - v11-02c

JNO - J-Value Diff @ surface for Jul



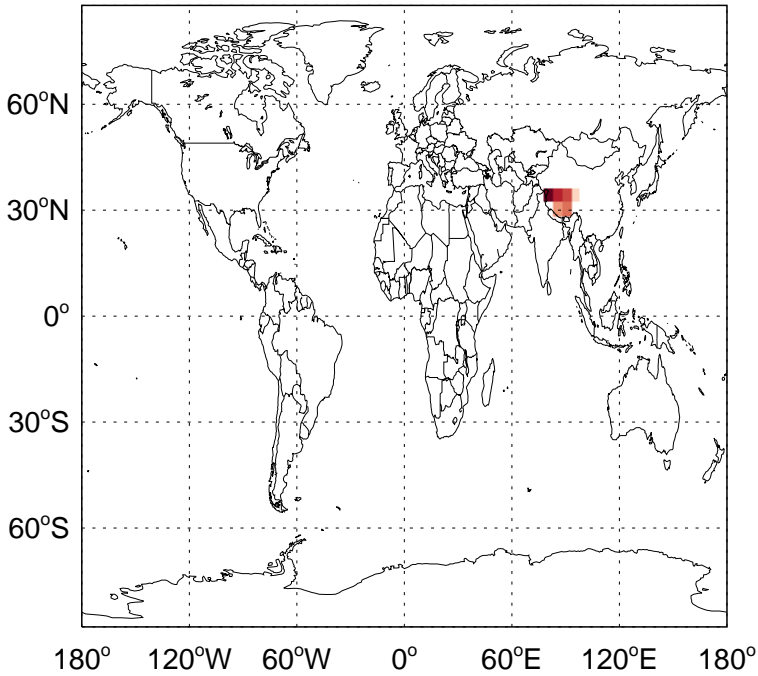
v11-02d - v11-02c

JNO - J-Value Diff @ 500 hPa for Jul



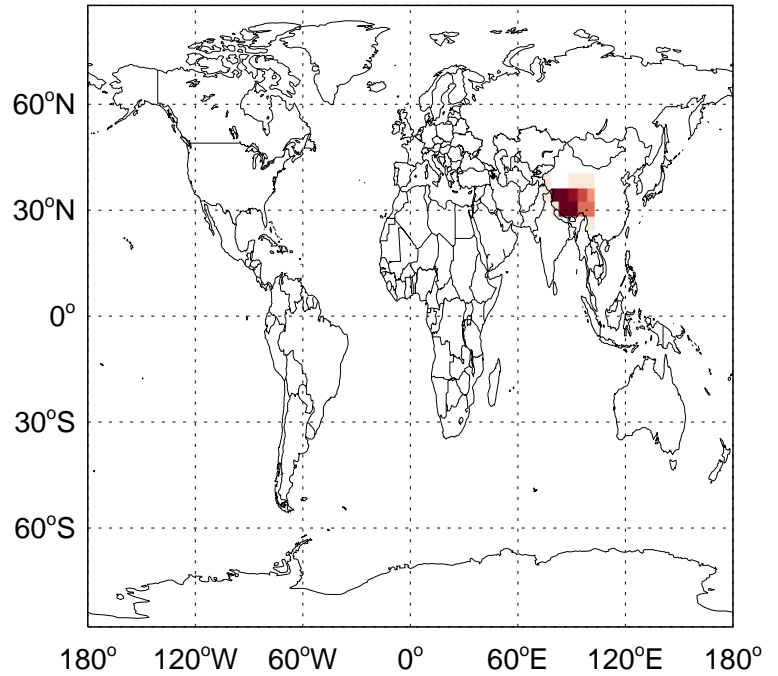
v11-02d - v11-02a

JNO - J-Value Diff @ surface for Jul



v11-02d - v11-02a

JNO - J-Value Diff @ 500 hPa for Jul



-1.77e-19 -5.91e-20 5.91e-20 1.77e-19s-1

-8.31e-17 -2.77e-17 2.77e-17 8.31e-17s-1

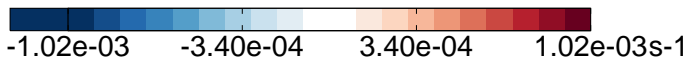
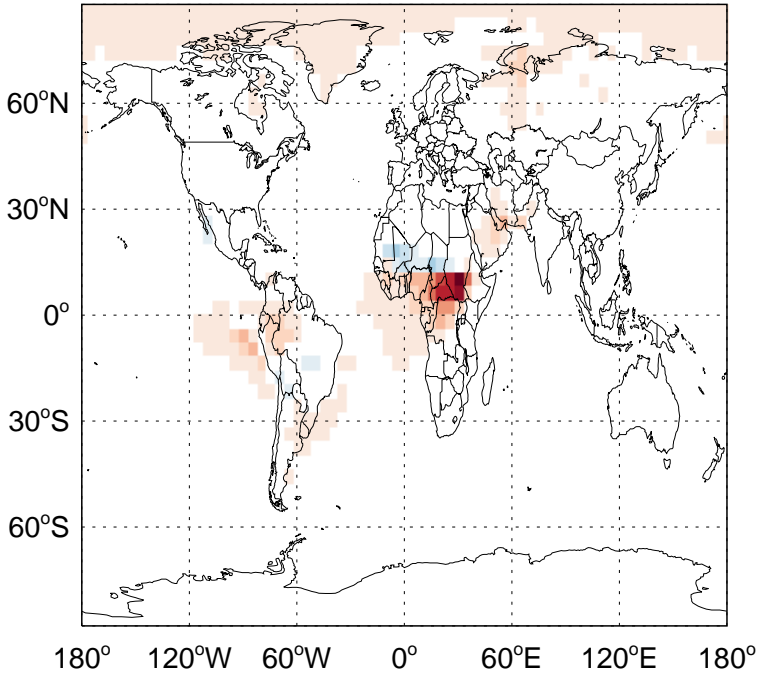
-4.63e-19 -1.54e-19 1.54e-19 4.63e-19s-1

-2.48e-16 -8.25e-17 8.25e-17 2.48e-16s-1

GEOS-Chem J-Values at surface and 500 hPa

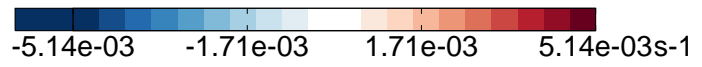
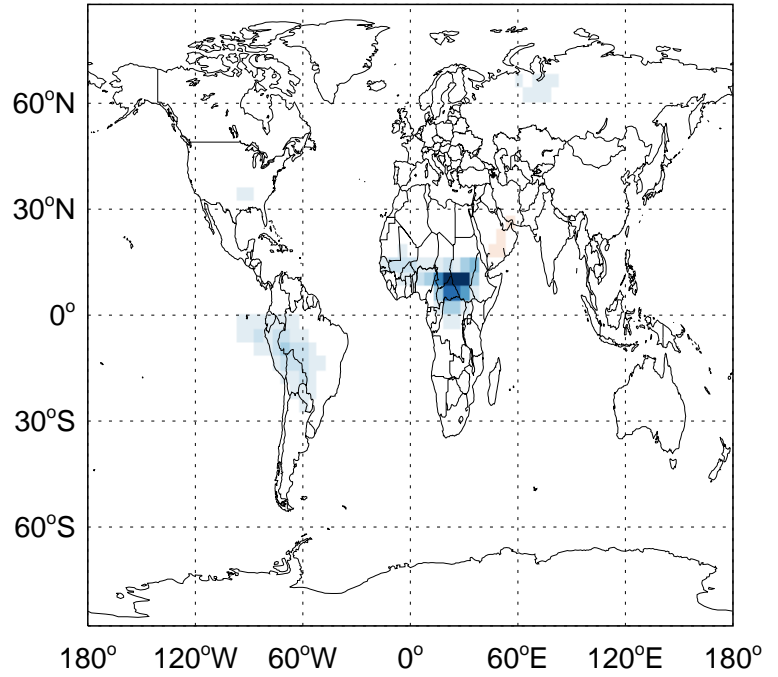
v11-02d - v11-02c

JNO3 - J-Value Diff @ surface for Jul



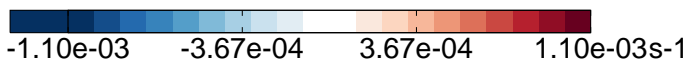
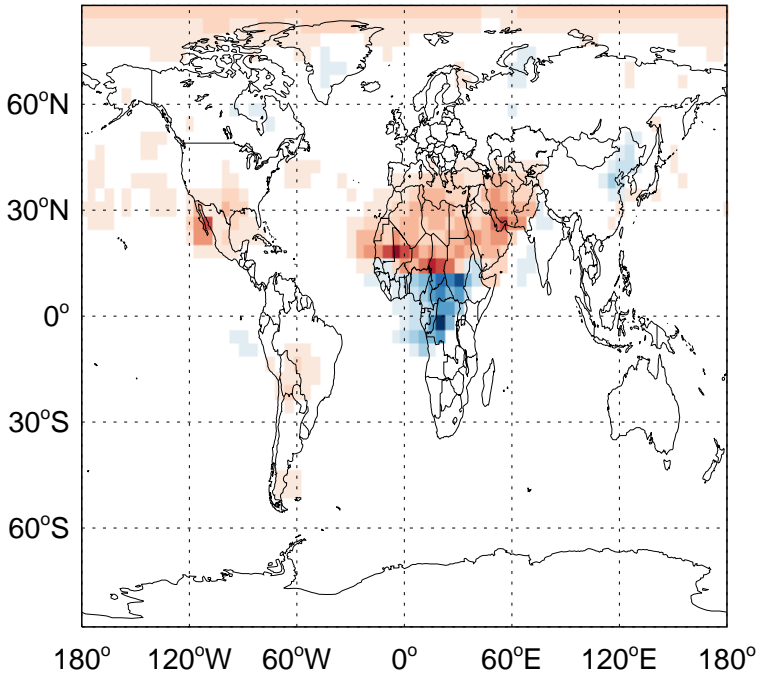
v11-02d - v11-02c

JNO3 - J-Value Diff @ 500 hPa for Jul



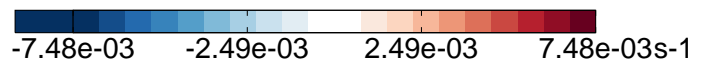
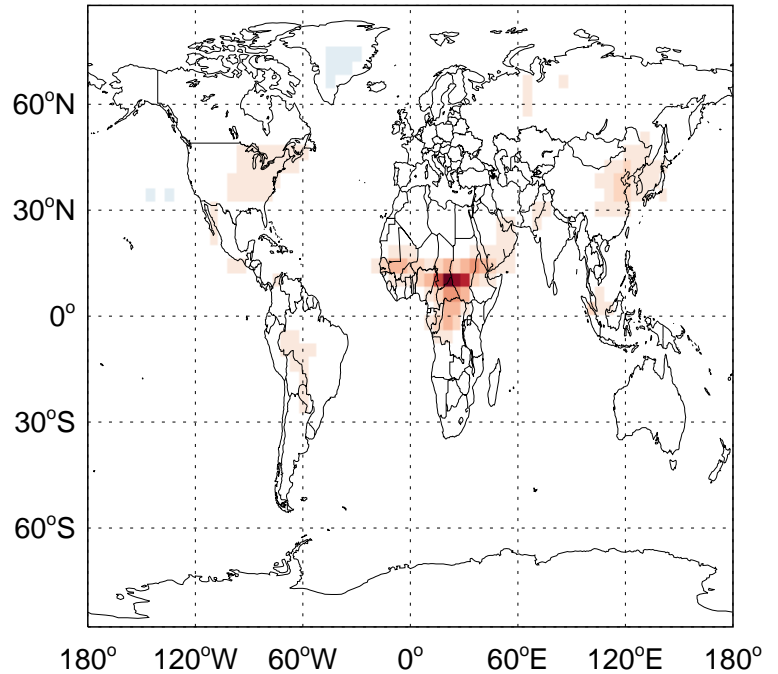
v11-02d - v11-02a

JNO3 - J-Value Diff @ surface for Jul



v11-02d - v11-02a

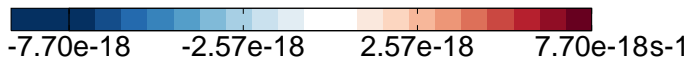
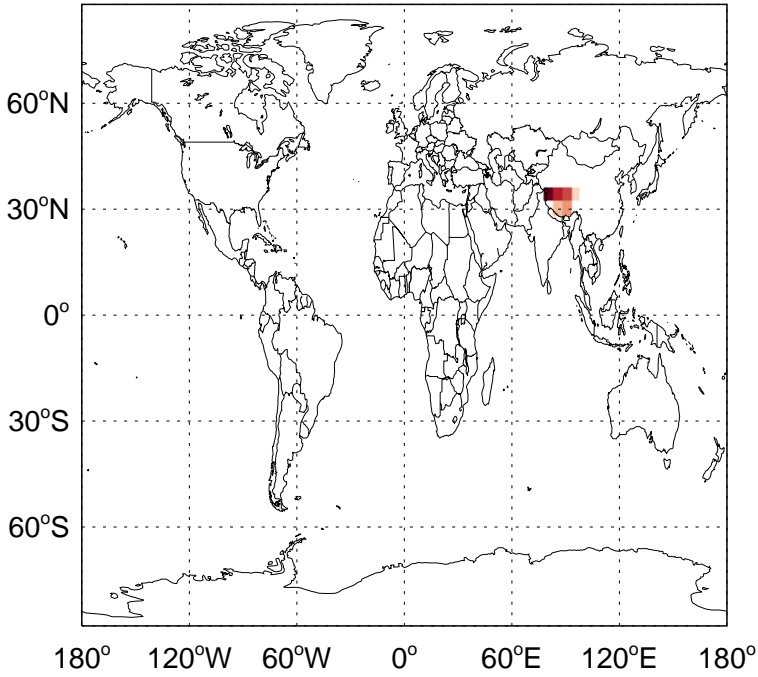
JNO3 - J-Value Diff @ 500 hPa for Jul



GEOS-Chem J-Values at surface and 500 hPa

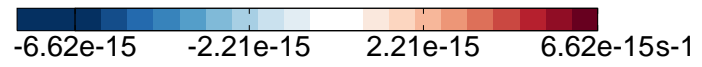
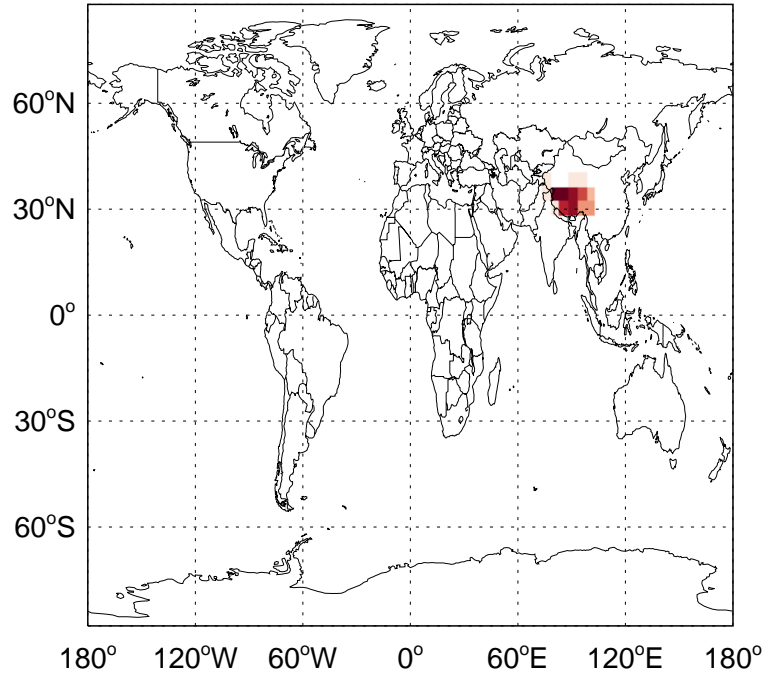
v11-02d - v11-02c

JCFC11 - J-Value Diff @ surface for Jul



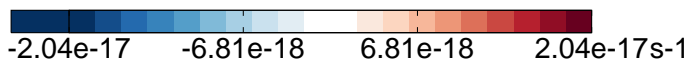
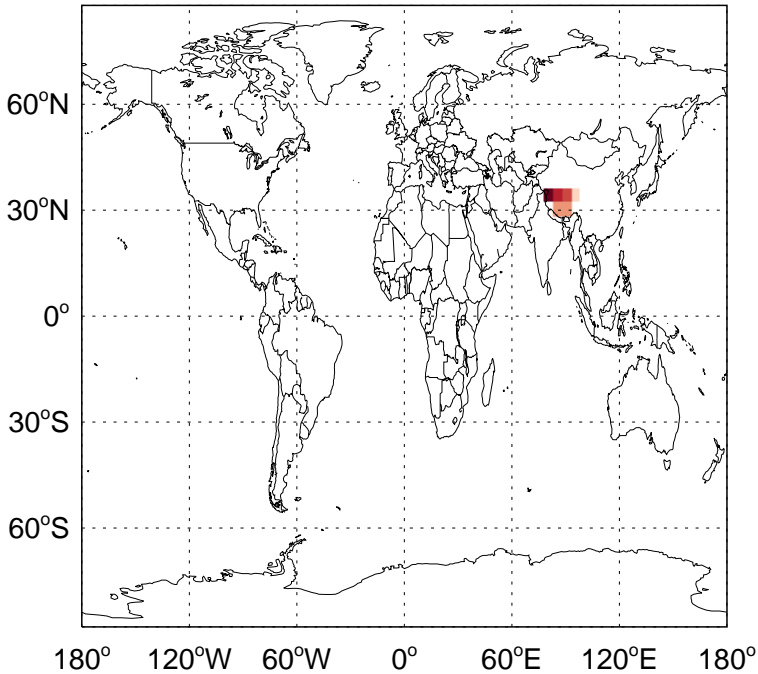
v11-02d - v11-02c

JCFC11 - J-Value Diff @ 500 hPa for Jul



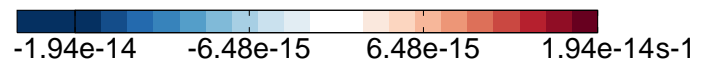
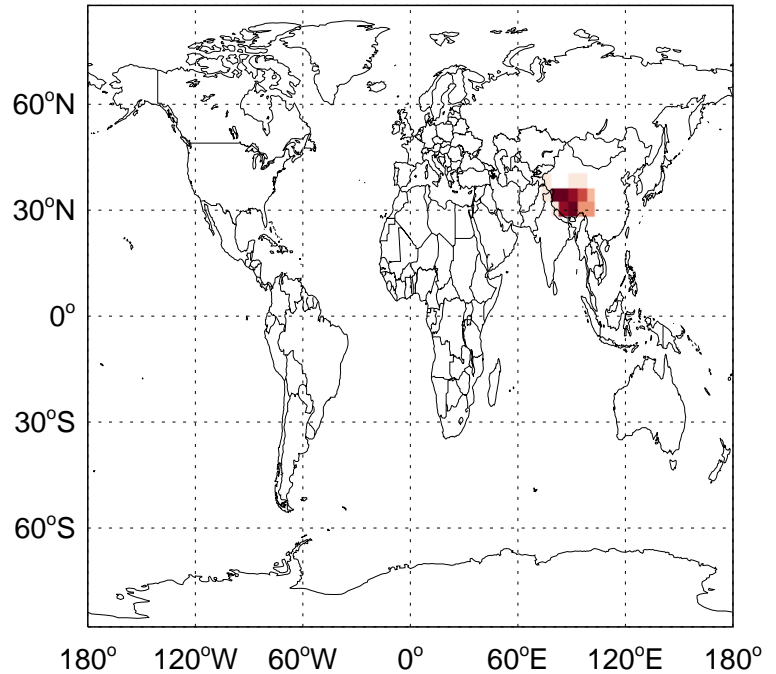
v11-02d - v11-02a

JCFC11 - J-Value Diff @ surface for Jul



v11-02d - v11-02a

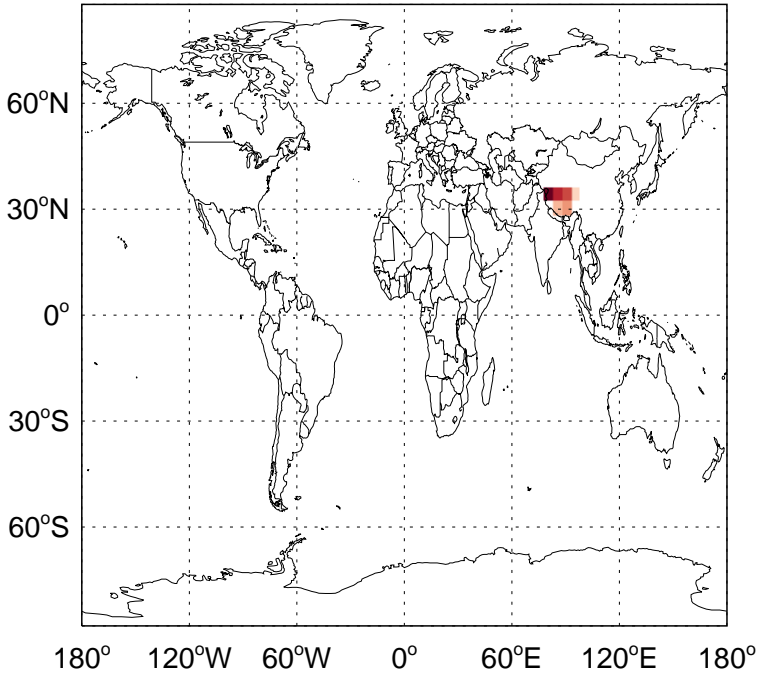
JCFC11 - J-Value Diff @ 500 hPa for Jul



GEOS-Chem J-Values at surface and 500 hPa

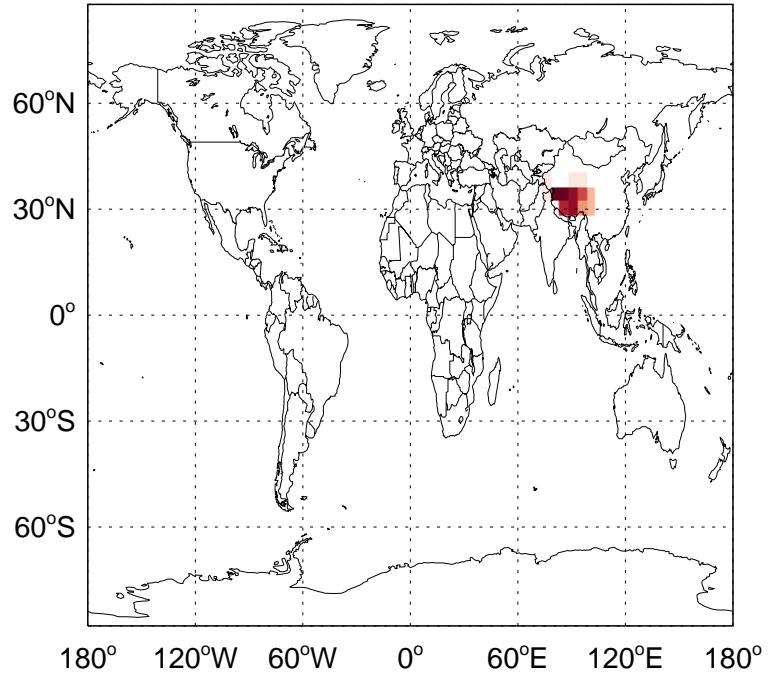
v11-02d - v11-02c

JCFC12 - J-Value Diff @ surface for Jul



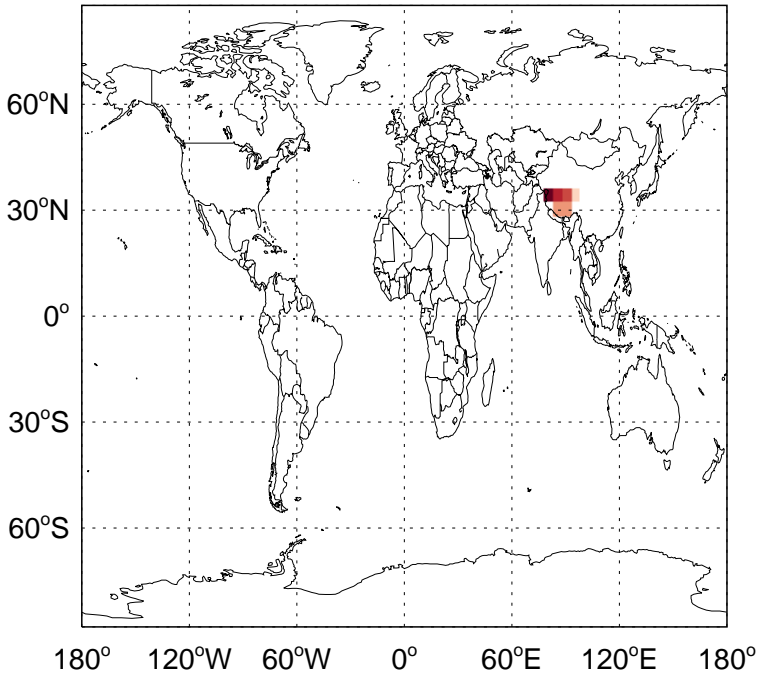
v11-02d - v11-02c

JCFC12 - J-Value Diff @ 500 hPa for Jul



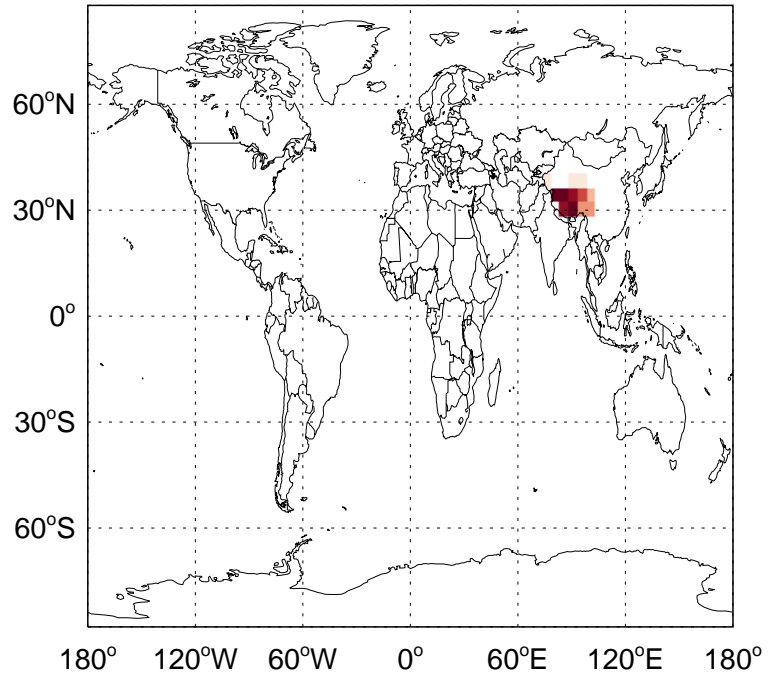
v11-02d - v11-02a

JCFC12 - J-Value Diff @ surface for Jul



v11-02d - v11-02a

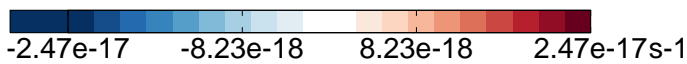
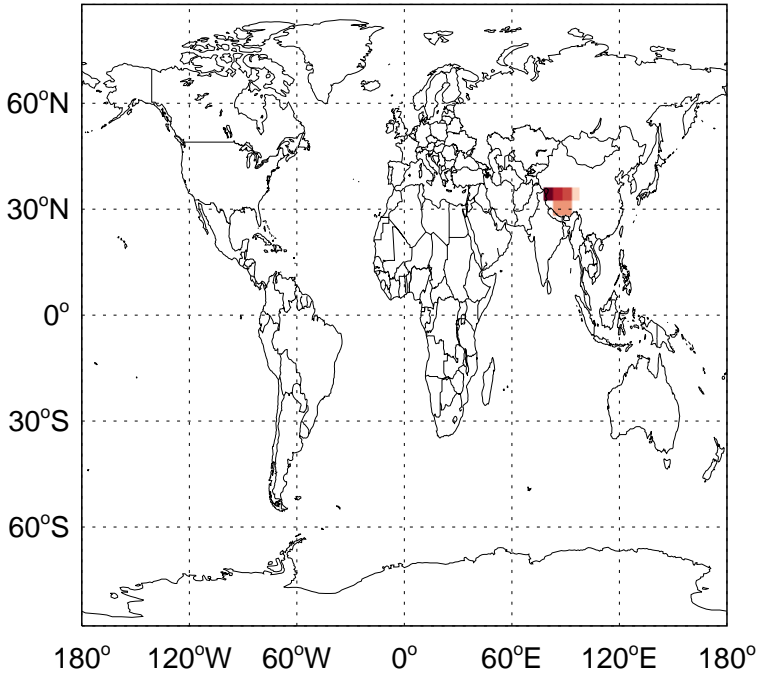
JCFC12 - J-Value Diff @ 500 hPa for Jul



GEOS-Chem J-Values at surface and 500 hPa

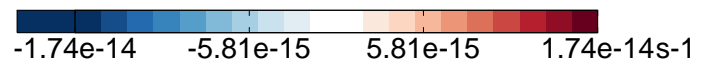
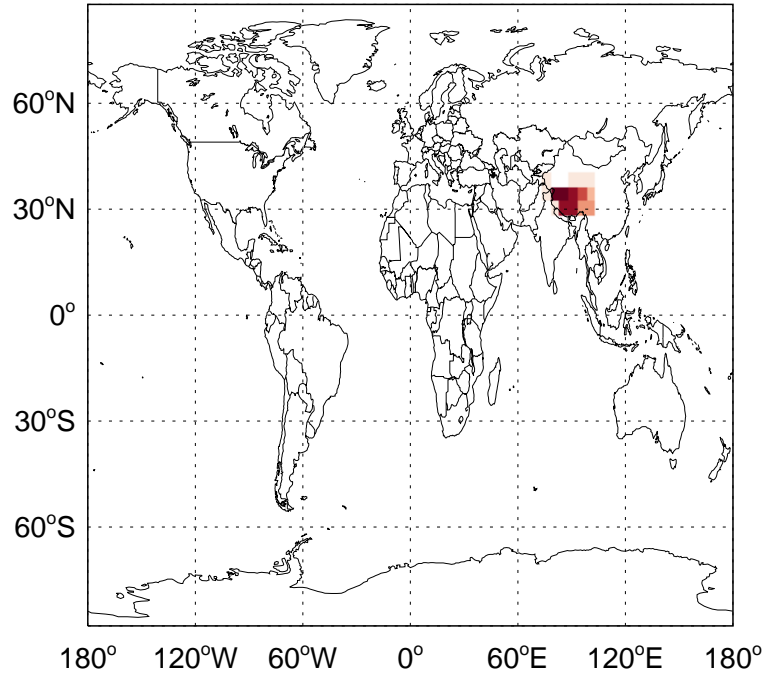
v11-02d - v11-02c

JCCI4 - J-Value Diff @ surface for Jul



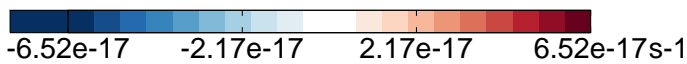
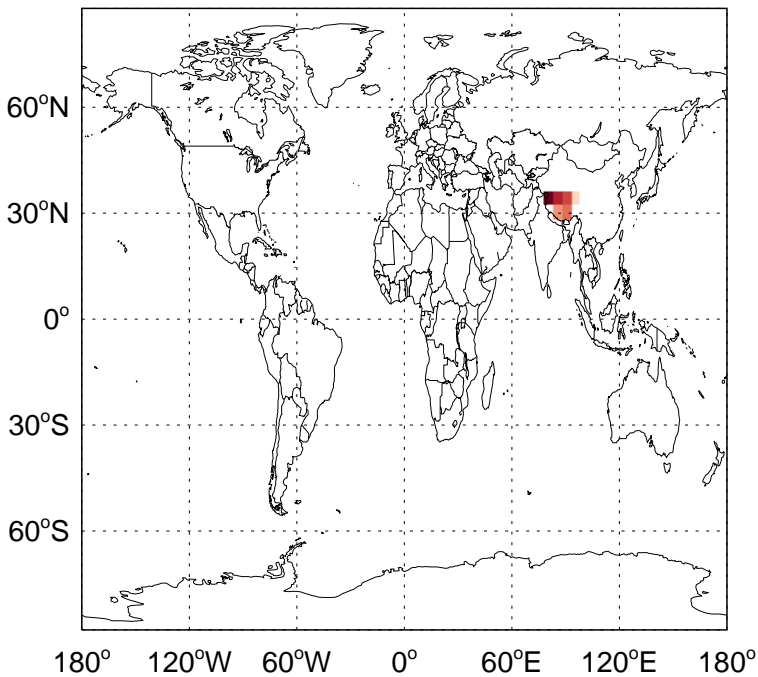
v11-02d - v11-02c

JCCI4 - J-Value Diff @ 500 hPa for Jul



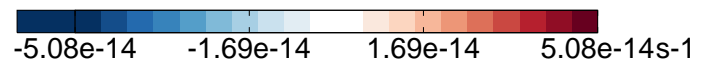
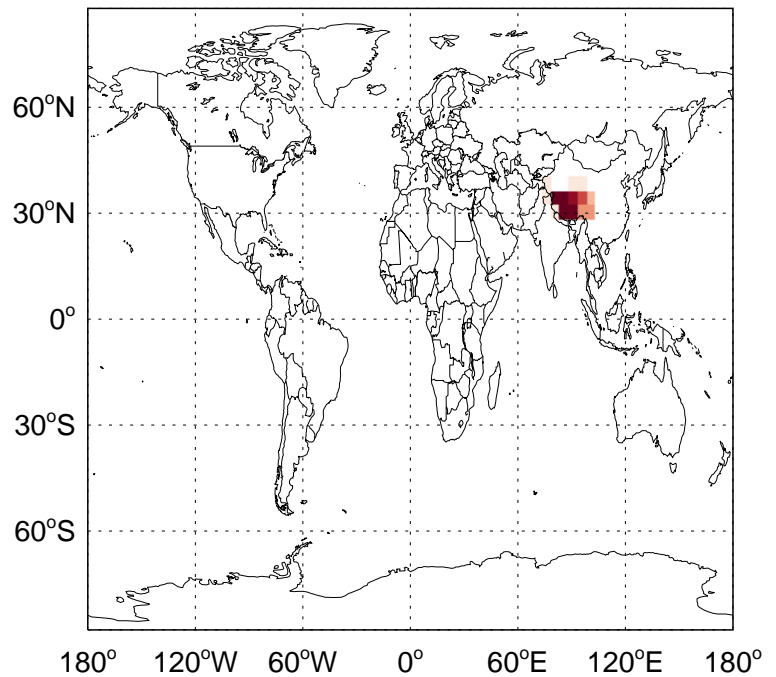
v11-02d - v11-02a

JCCI4 - J-Value Diff @ surface for Jul



v11-02d - v11-02a

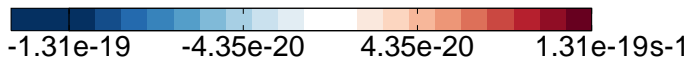
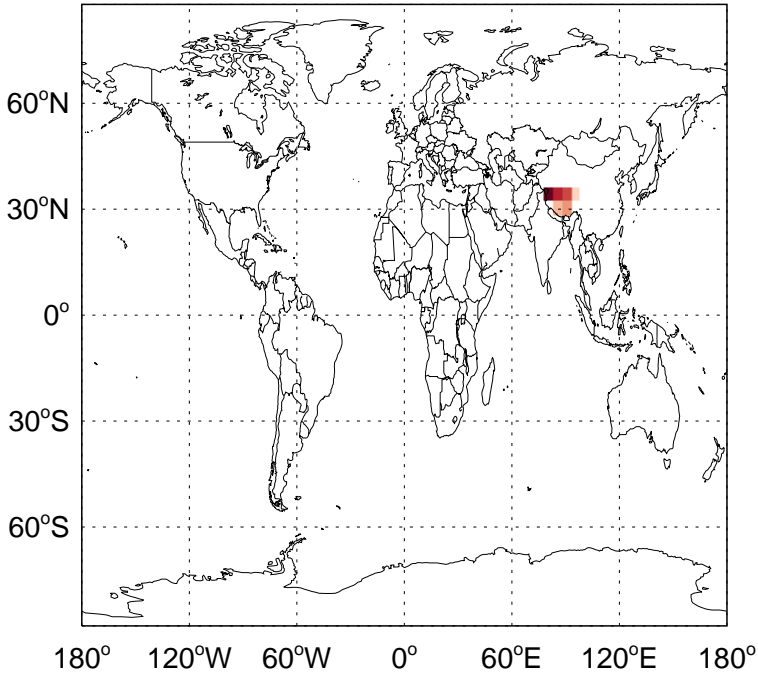
JCCI4 - J-Value Diff @ 500 hPa for Jul



GEOS-Chem J-Values at surface and 500 hPa

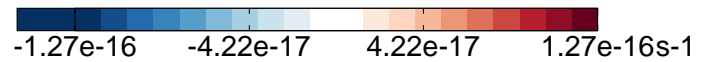
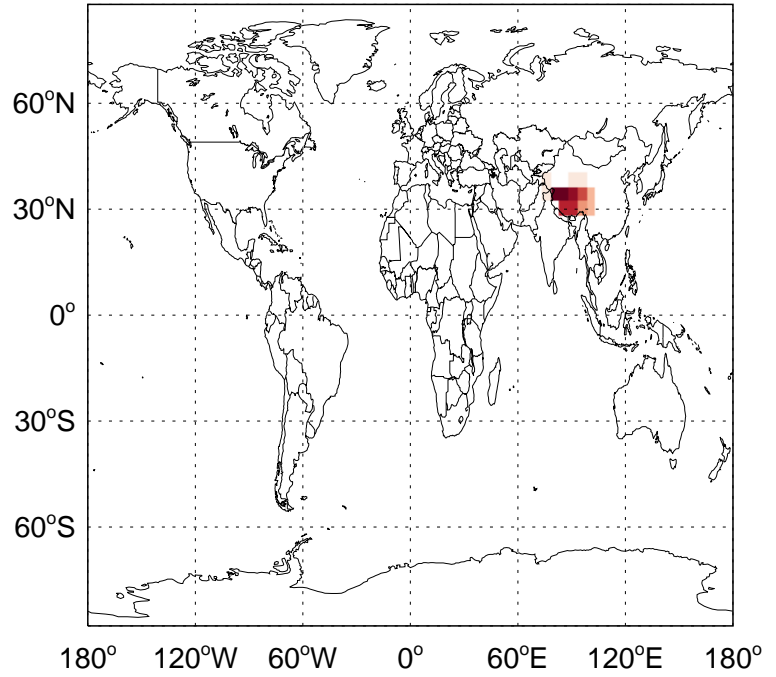
v11-02d - v11-02c

JCH3Cl - J-Value Diff @ surface for Jul



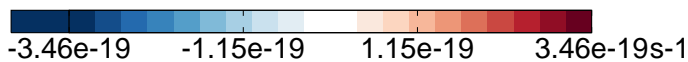
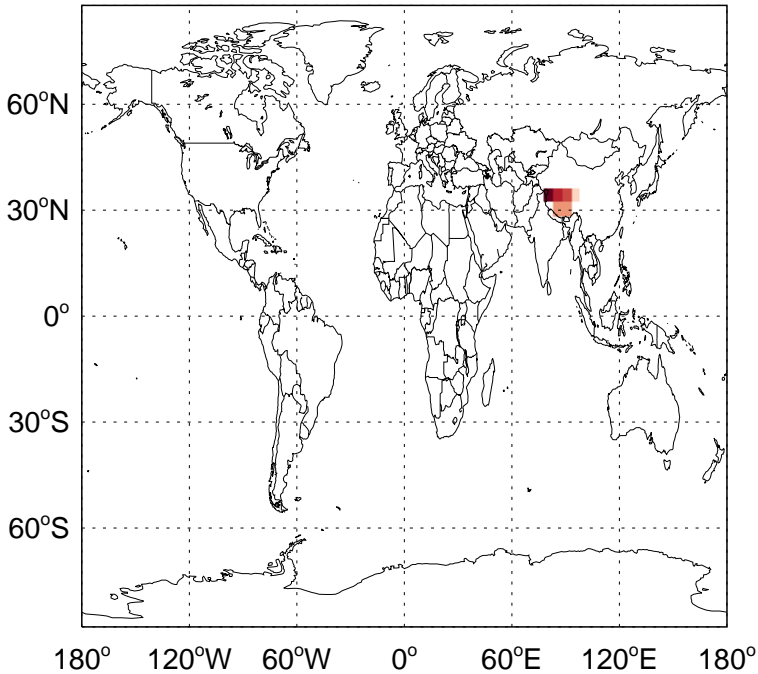
v11-02d - v11-02c

JCH3Cl - J-Value Diff @ 500 hPa for Jul



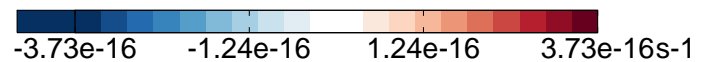
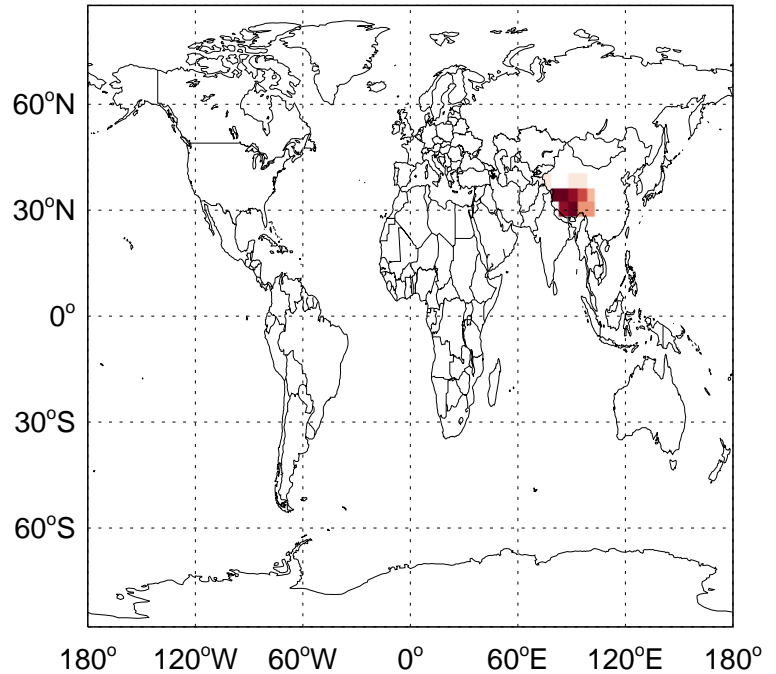
v11-02d - v11-02a

JCH3Cl - J-Value Diff @ surface for Jul



v11-02d - v11-02a

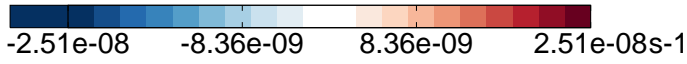
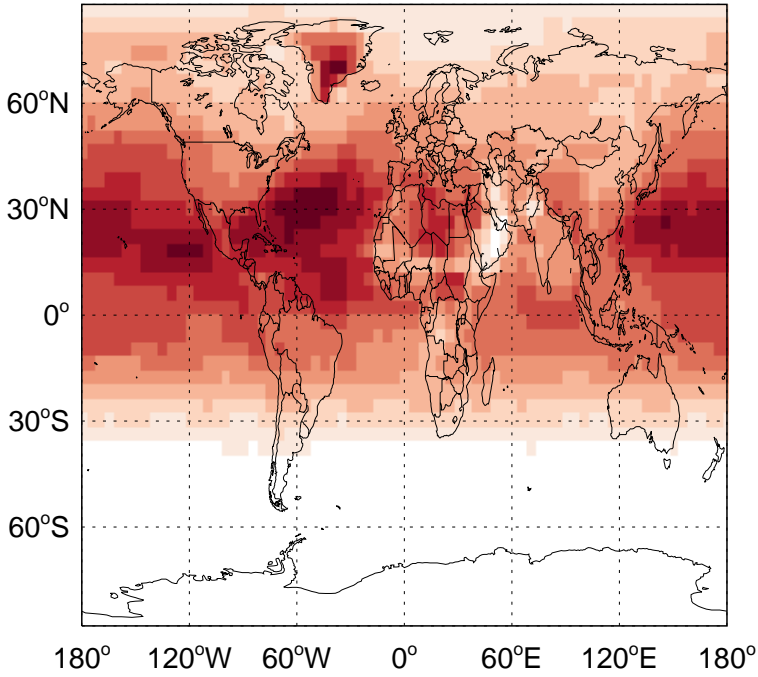
JCH3Cl - J-Value Diff @ 500 hPa for Jul



GEOS-Chem J-Values at surface and 500 hPa

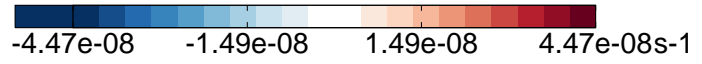
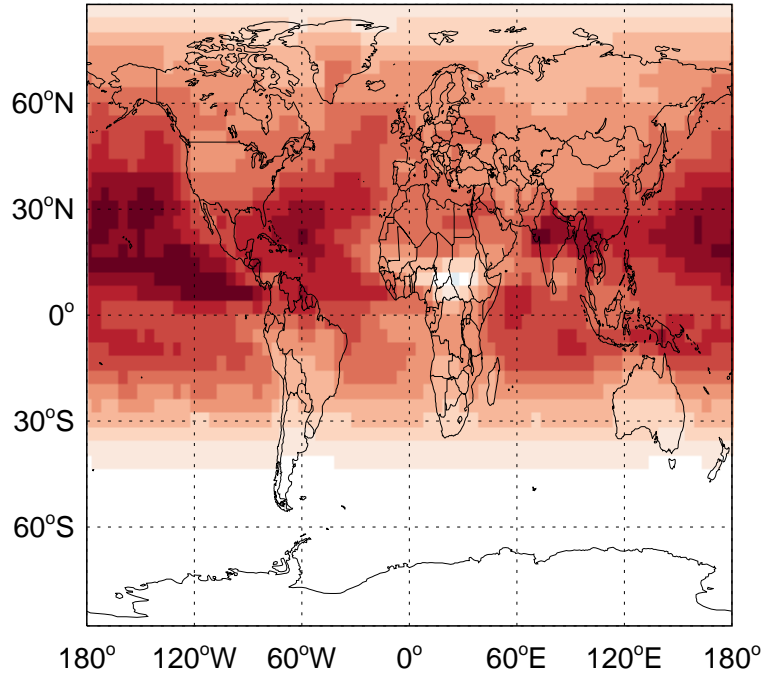
v11-02d - v11-02c

JACET - J-Value Diff @ surface for Jul



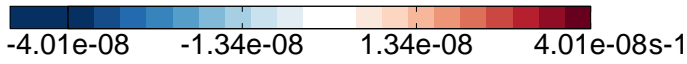
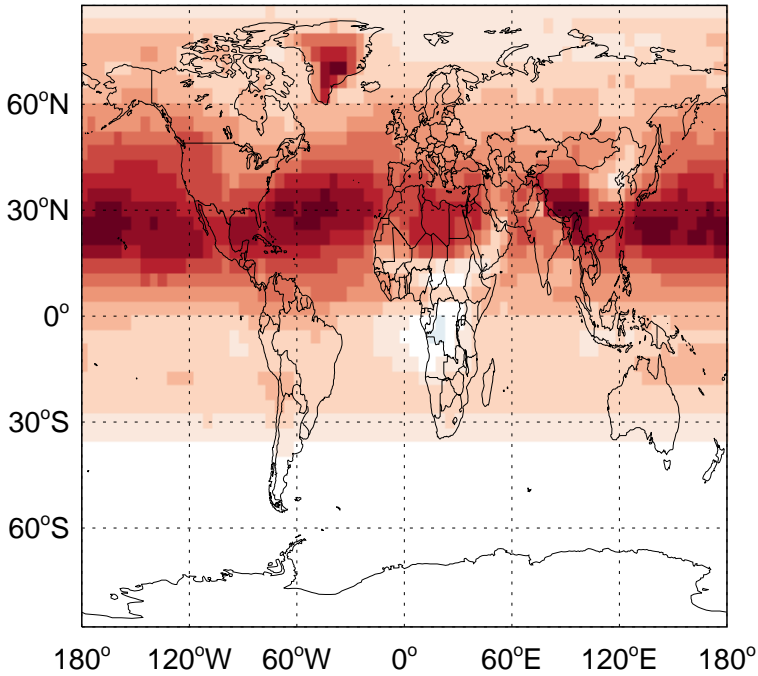
v11-02d - v11-02c

JACET - J-Value Diff @ 500 hPa for Jul



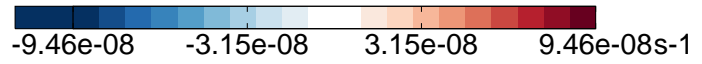
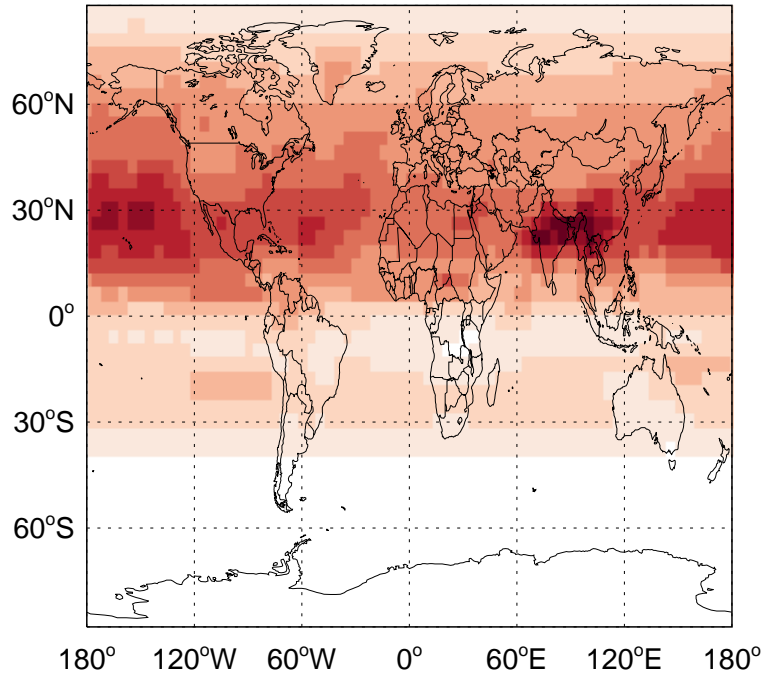
v11-02d - v11-02a

JACET - J-Value Diff @ surface for Jul



v11-02d - v11-02a

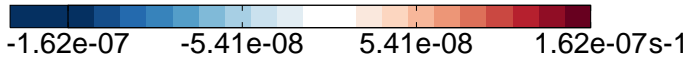
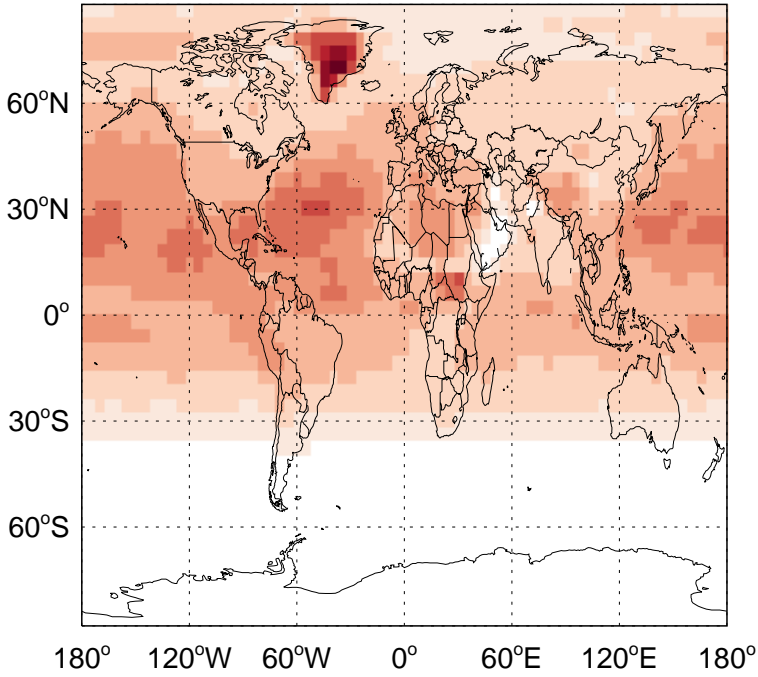
JACET - J-Value Diff @ 500 hPa for Jul



GEOS-Chem J-Values at surface and 500 hPa

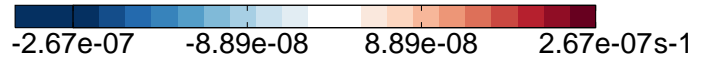
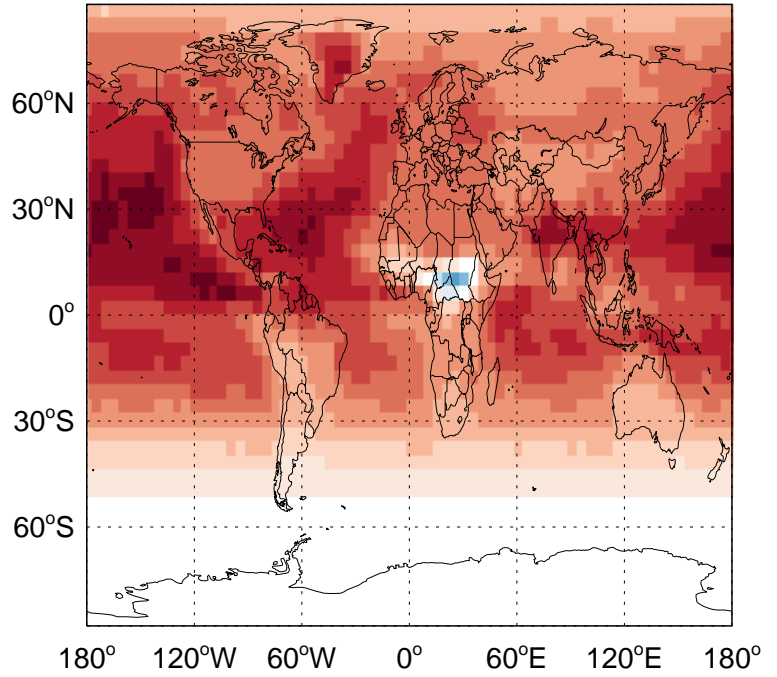
v11-02d - v11-02c

JALD2 - J-Value Diff @ surface for Jul



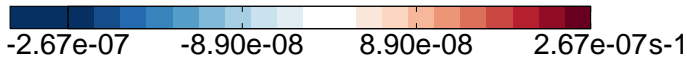
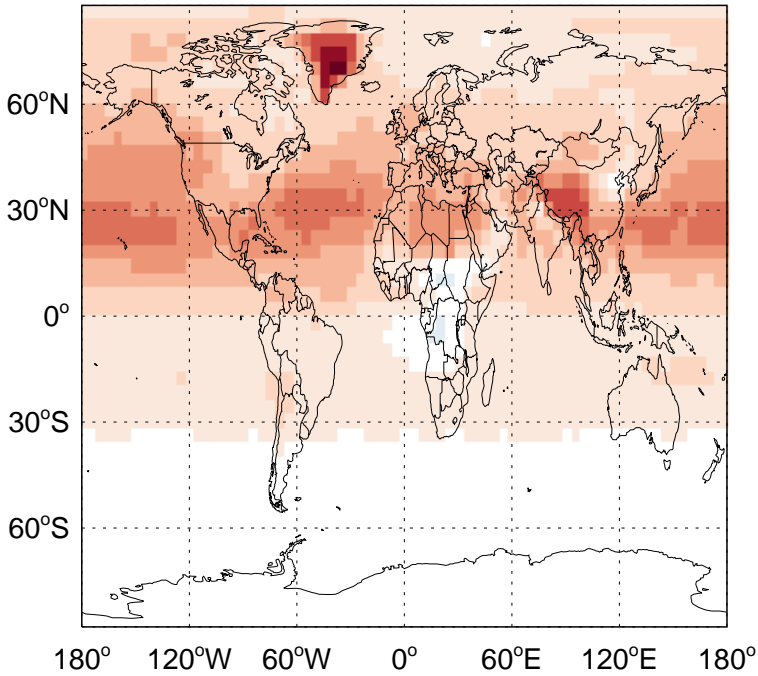
v11-02d - v11-02c

JALD2 - J-Value Diff @ 500 hPa for Jul



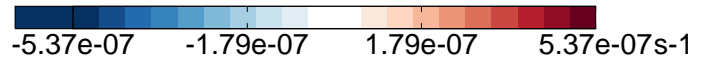
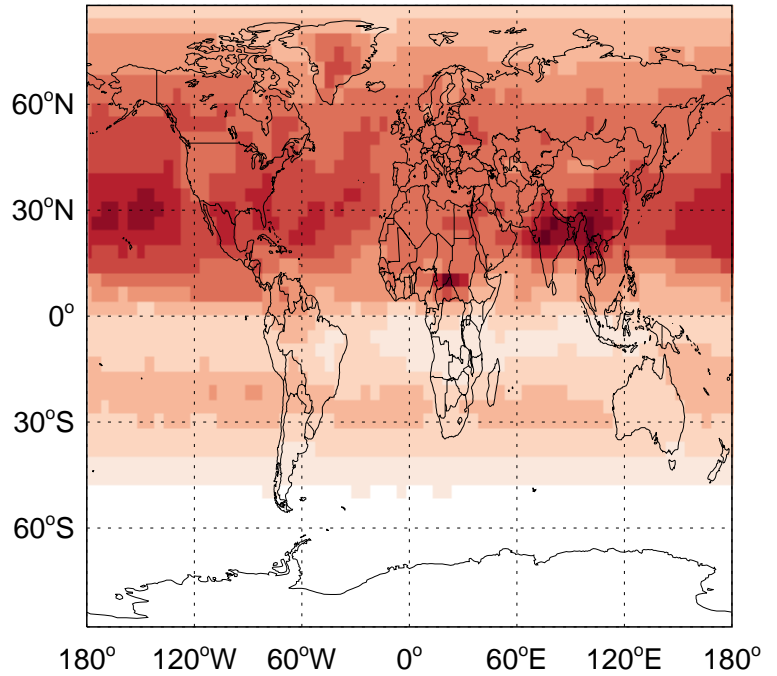
v11-02d - v11-02a

JALD2 - J-Value Diff @ surface for Jul



v11-02d - v11-02a

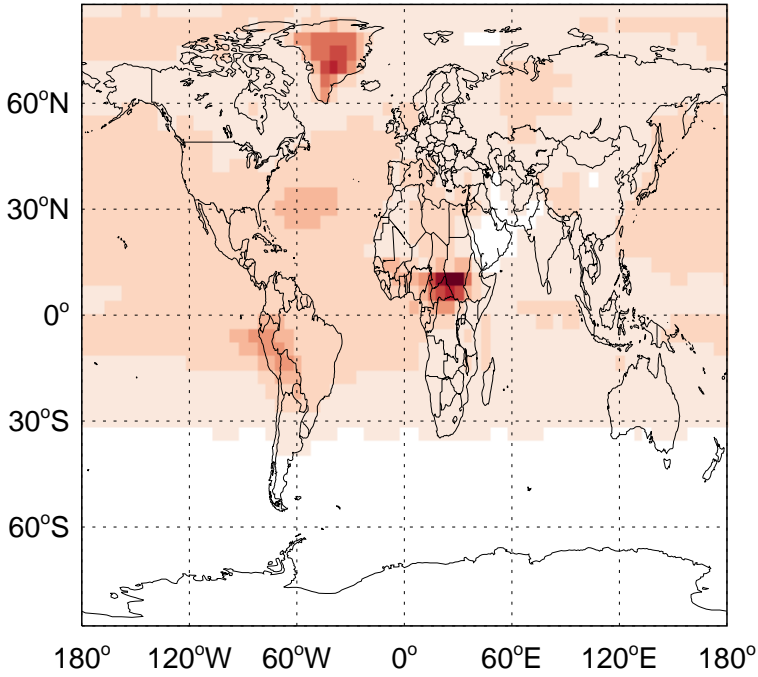
JALD2 - J-Value Diff @ 500 hPa for Jul



GEOS-Chem J-Values at surface and 500 hPa

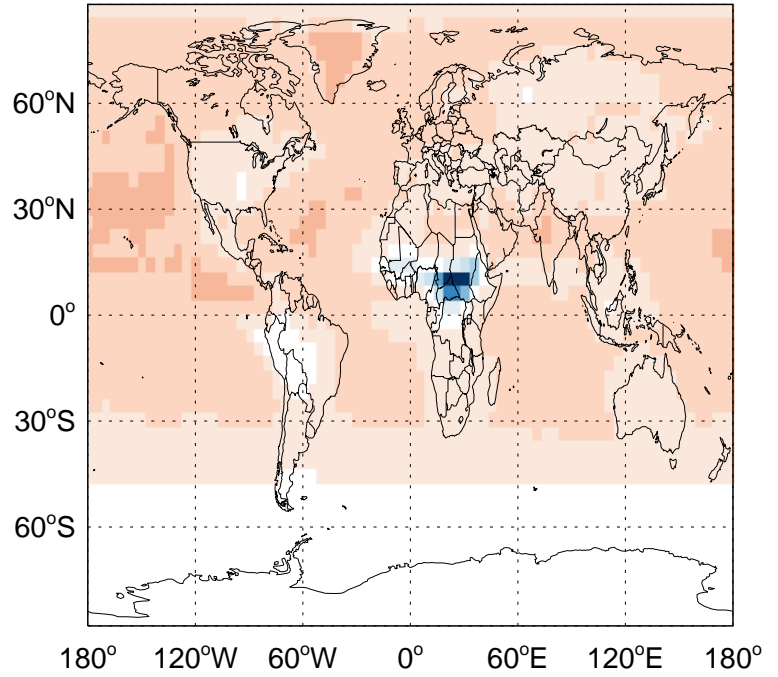
v11-02d - v11-02c

JMVK - J-Value Diff @ surface for Jul



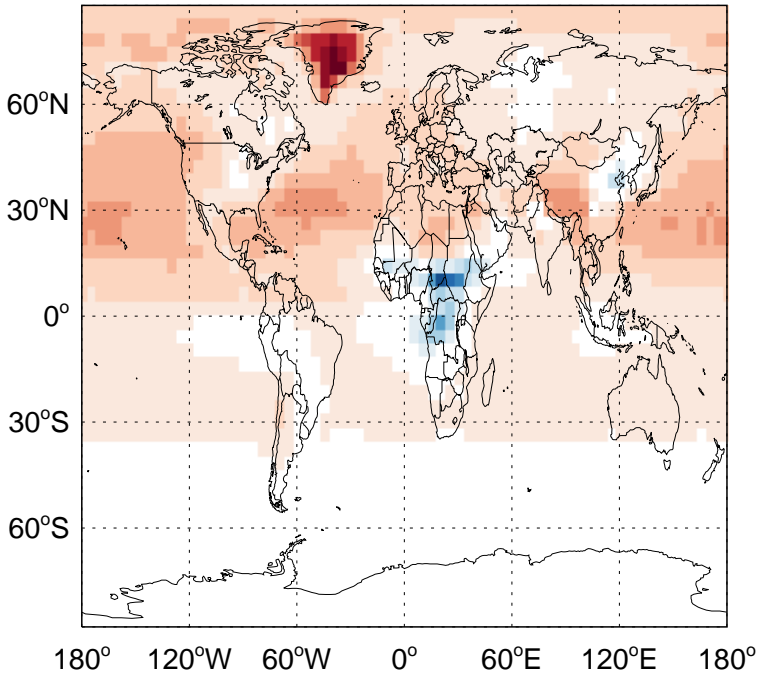
v11-02d - v11-02c

JMVK - J-Value Diff @ 500 hPa for Jul



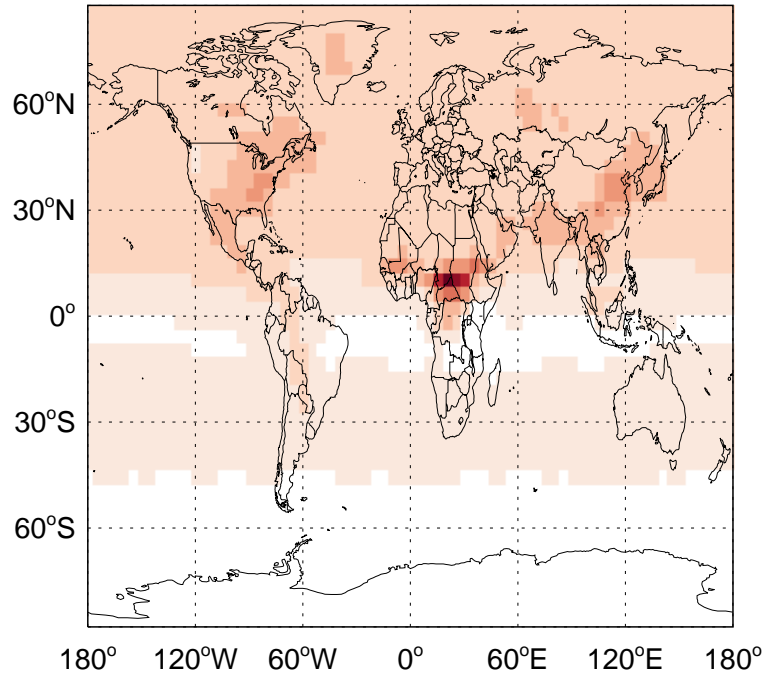
v11-02d - v11-02a

JMVK - J-Value Diff @ surface for Jul



v11-02d - v11-02a

JMVK - J-Value Diff @ 500 hPa for Jul



-8.17×10^{-8} -2.72×10^{-8} 2.72×10^{-8} $8.17 \times 10^{-8} \text{ s}^{-1}$

-2.15×10^{-7} -7.15×10^{-8} 7.15×10^{-8} $2.15 \times 10^{-7} \text{ s}^{-1}$

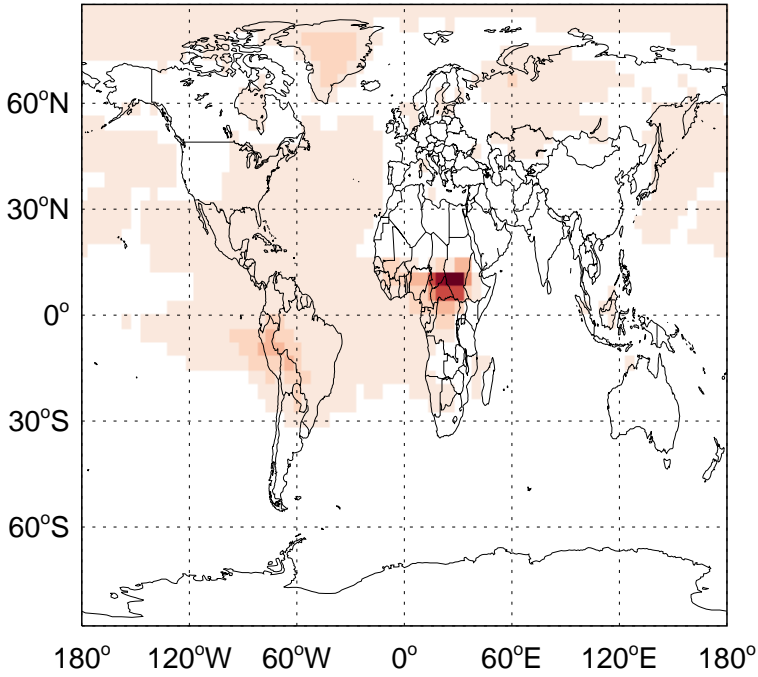
-9.03×10^{-8} -3.01×10^{-8} 3.01×10^{-8} $9.03 \times 10^{-8} \text{ s}^{-1}$

-3.79×10^{-7} -1.26×10^{-7} 1.26×10^{-7} $3.79 \times 10^{-7} \text{ s}^{-1}$

GEOS-Chem J-Values at surface and 500 hPa

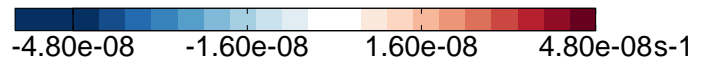
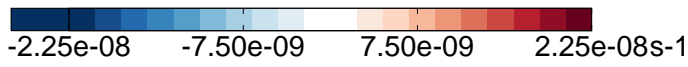
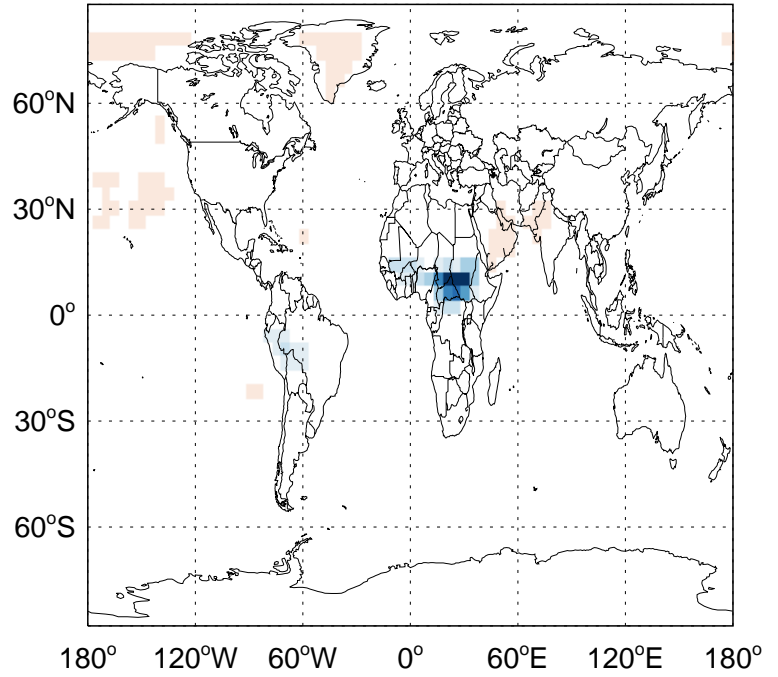
v11-02d - v11-02c

JMACR - J-Value Diff @ surface for Jul



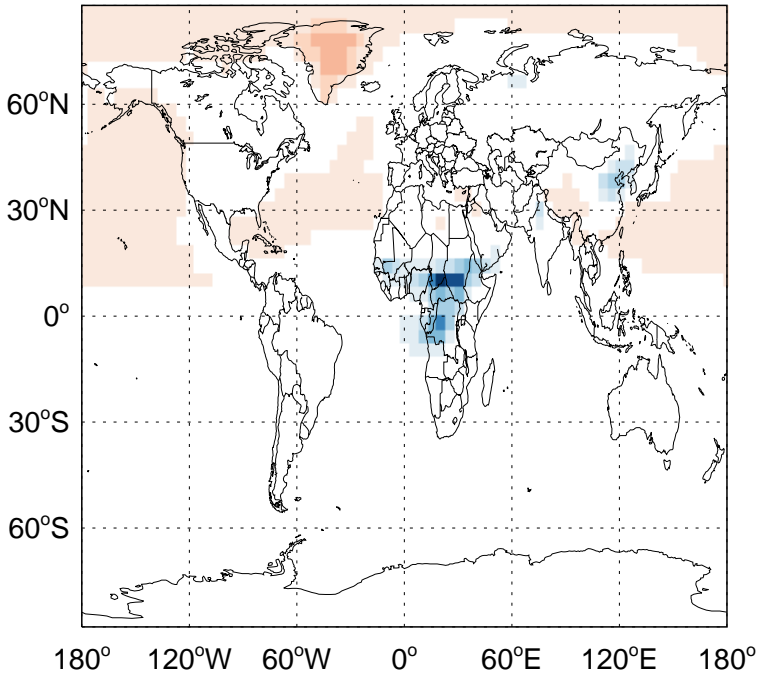
v11-02d - v11-02c

JMACR - J-Value Diff @ 500 hPa for Jul



v11-02d - v11-02a

JMACR - J-Value Diff @ surface for Jul



v11-02d - v11-02a

JMACR - J-Value Diff @ 500 hPa for Jul

