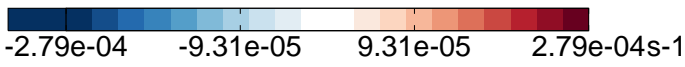
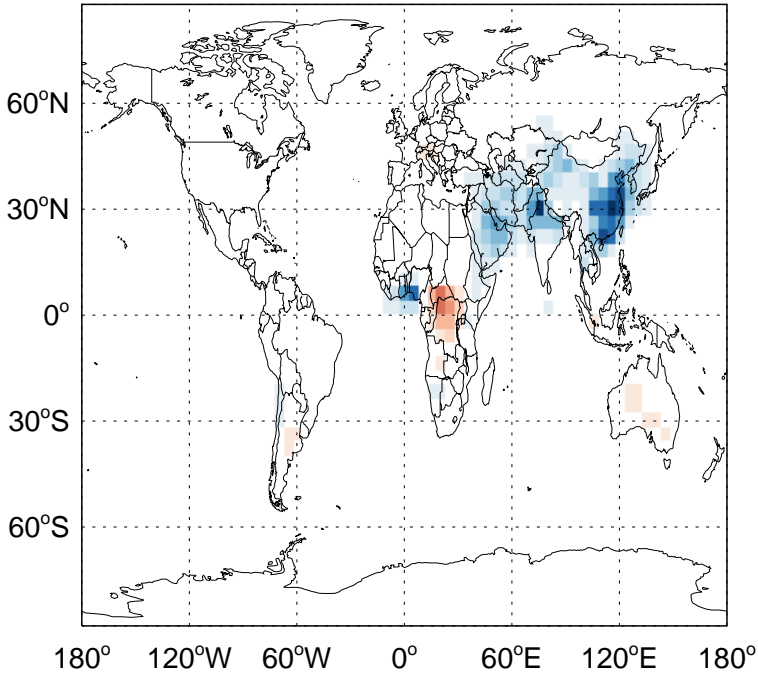


GEOS-Chem J-Values at surface and 500 hPa

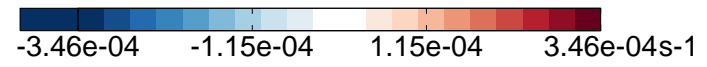
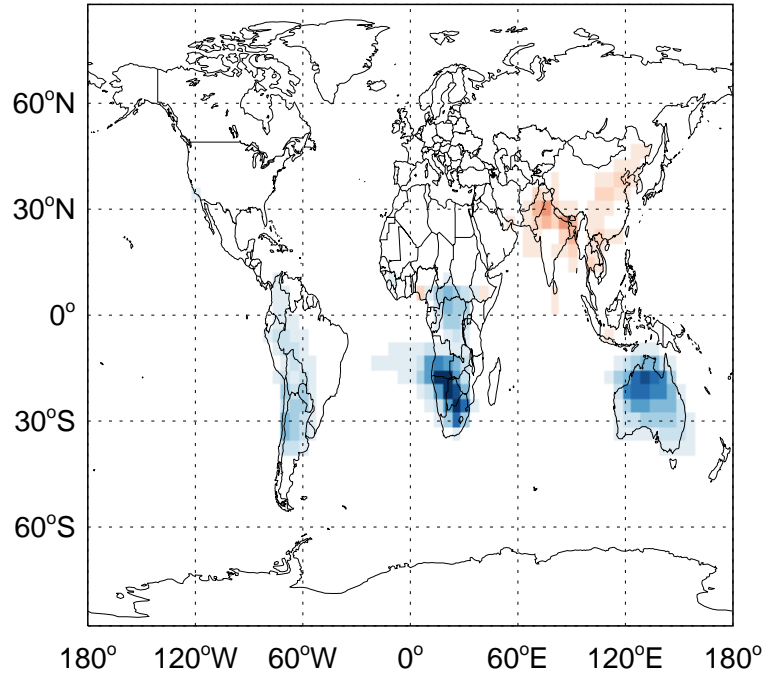
v11-02f-Run1 - v11-02e-Run1

JNO2 - J-Value Diff @ surface for Jan



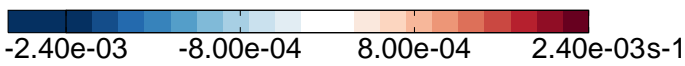
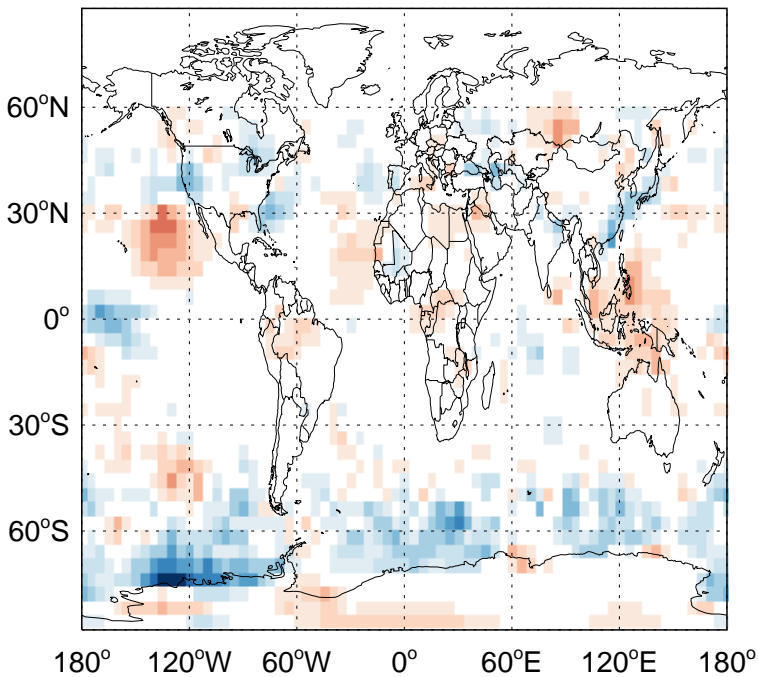
v11-02f-Run1 - v11-02e-Run1

JNO2 - J-Value Diff @ 500 hPa for Jan



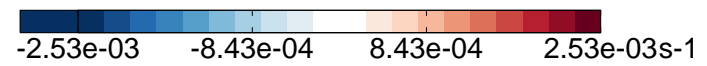
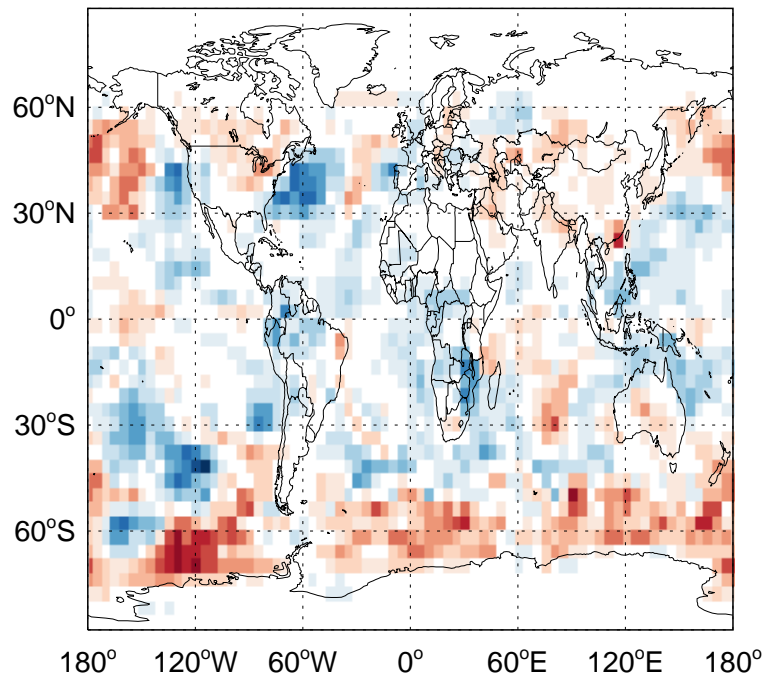
v11-02f-Run1 - v11-02e-Run0

JNO2 - J-Value Diff @ surface for Jan



v11-02f-Run1 - v11-02e-Run0

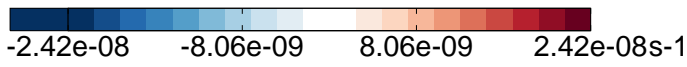
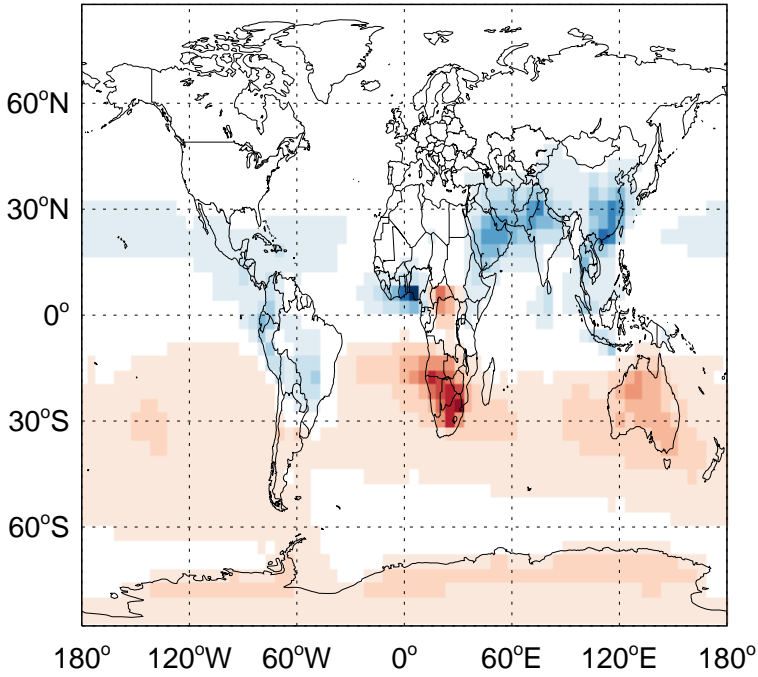
JNO2 - J-Value Diff @ 500 hPa for Jan



GEOS-Chem J-Values at surface and 500 hPa

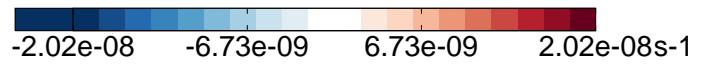
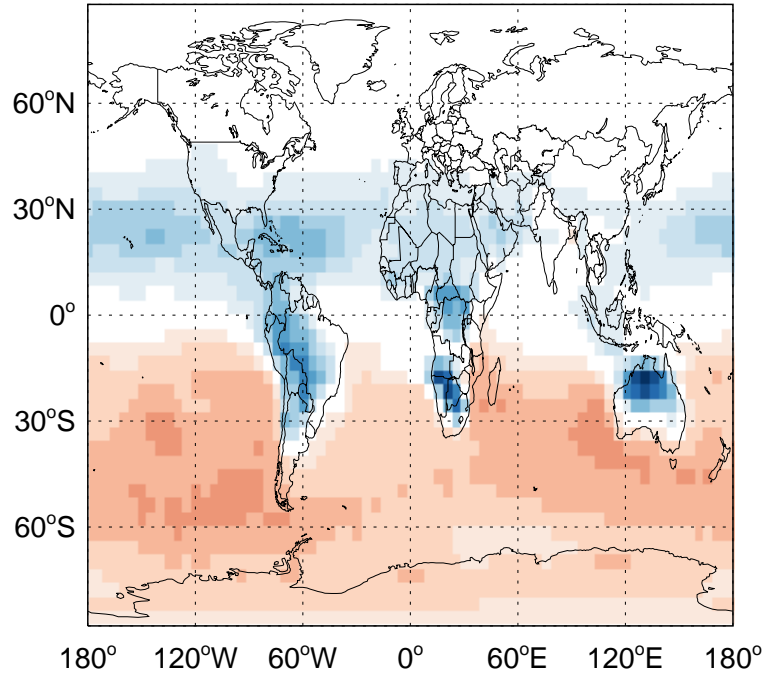
v11-02f-Run1 - v11-02e-Run1

JHNO3 - J-Value Diff @ surface for Jan



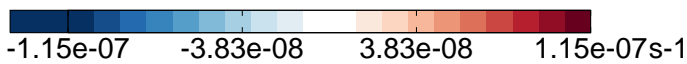
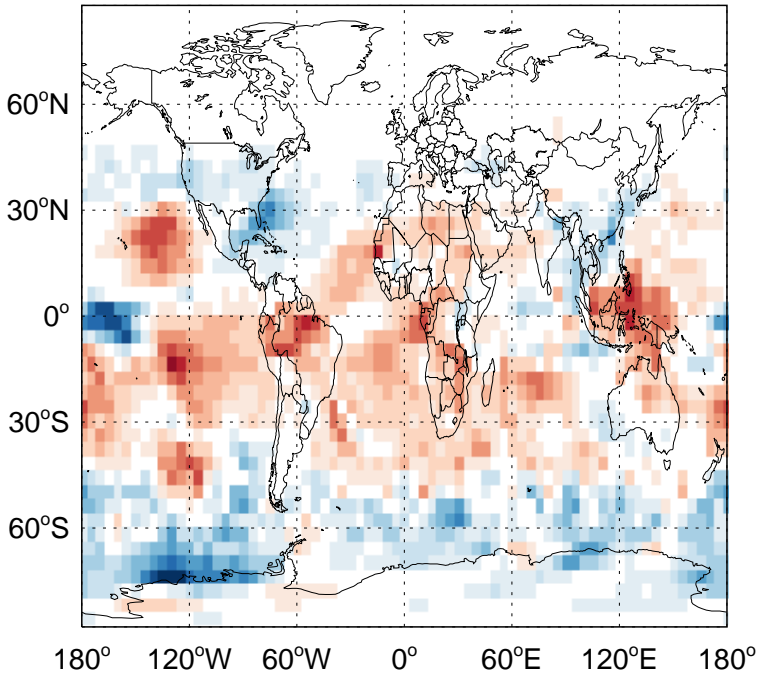
v11-02f-Run1 - v11-02e-Run1

JHNO3 - J-Value Diff @ 500 hPa for Jan



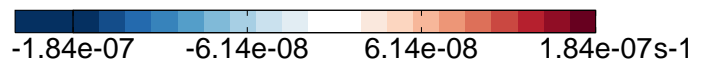
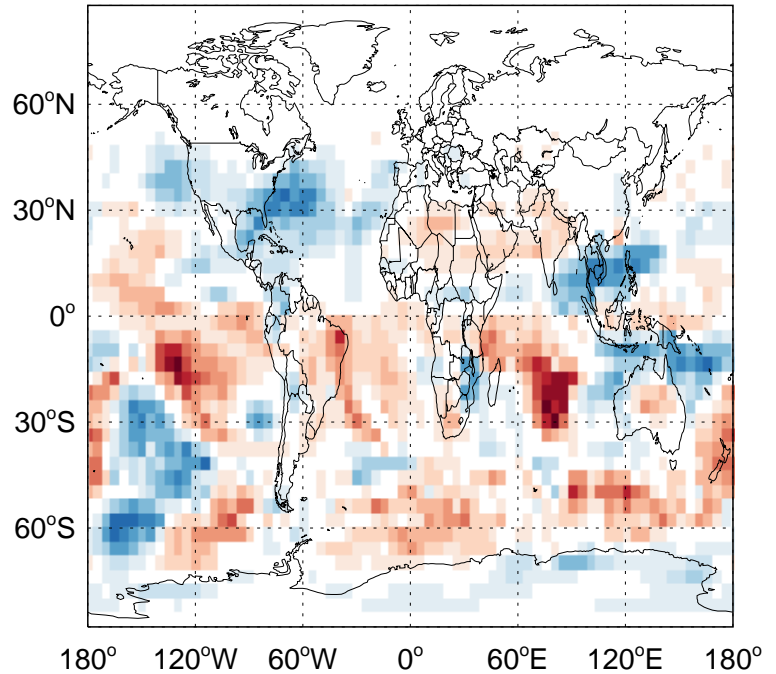
v11-02f-Run1 - v11-02e-Run0

JHNO3 - J-Value Diff @ surface for Jan



v11-02f-Run1 - v11-02e-Run0

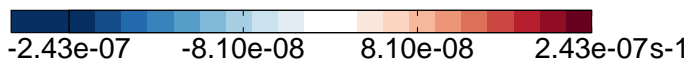
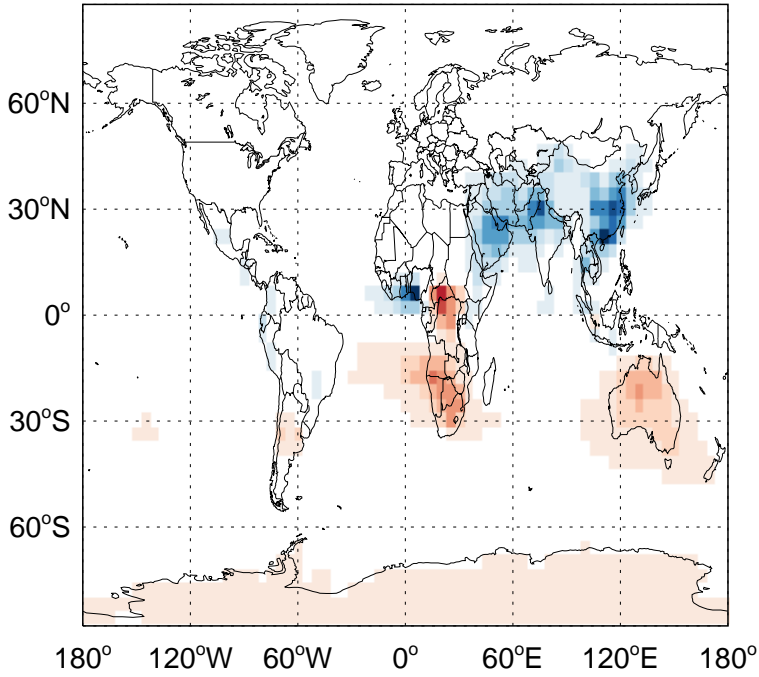
JHNO3 - J-Value Diff @ 500 hPa for Jan



GEOS-Chem J-Values at surface and 500 hPa

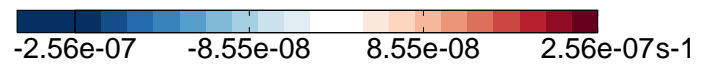
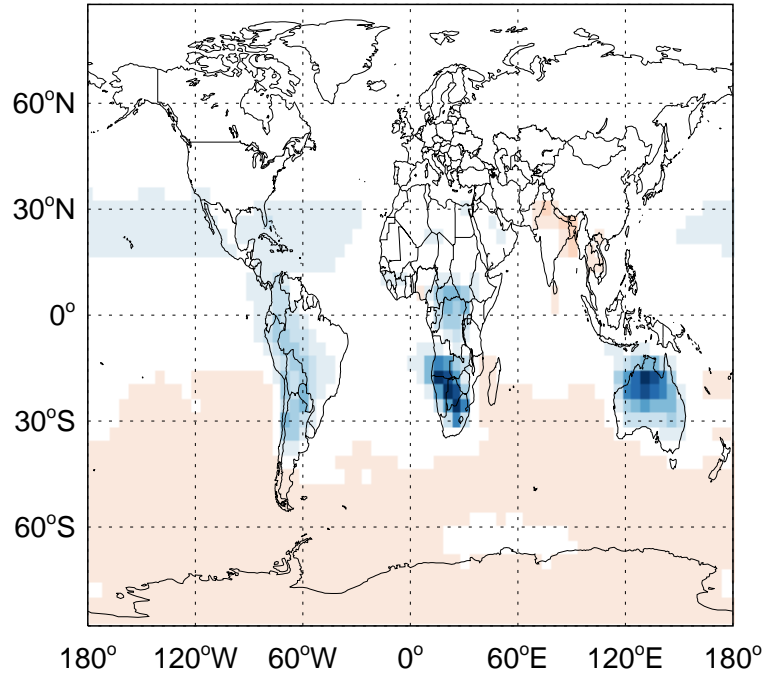
v11-02f-Run1 - v11-02e-Run1

JH2O2 - J-Value Diff @ surface for Jan



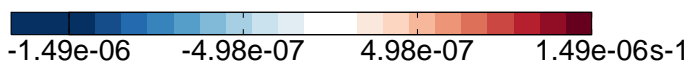
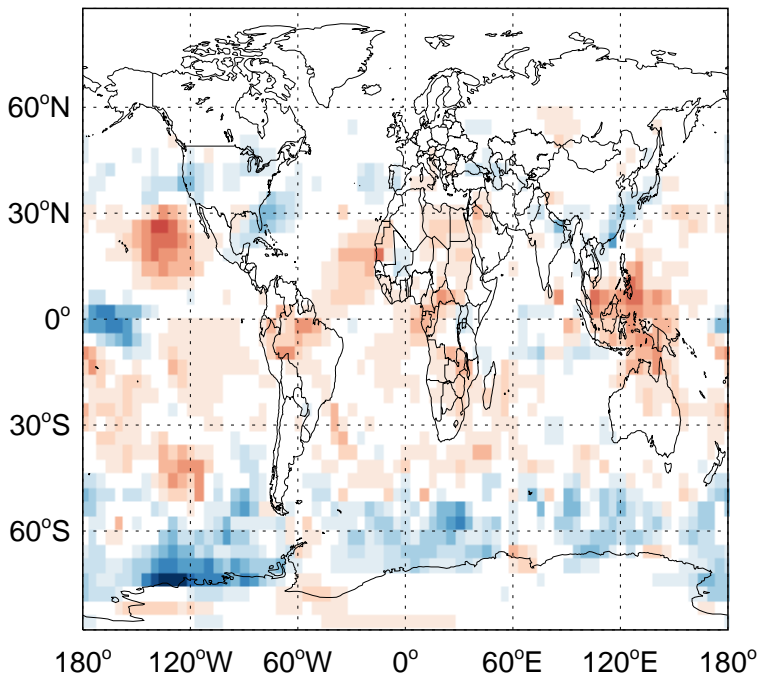
v11-02f-Run1 - v11-02e-Run1

JH2O2 - J-Value Diff @ 500 hPa for Jan



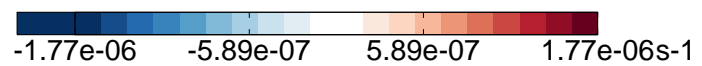
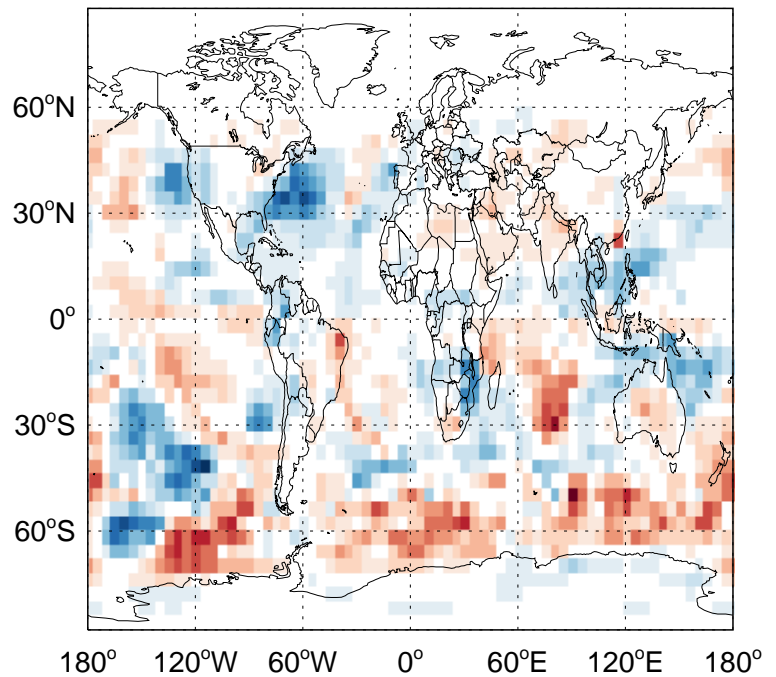
v11-02f-Run1 - v11-02e-Run0

JH2O2 - J-Value Diff @ surface for Jan



v11-02f-Run1 - v11-02e-Run0

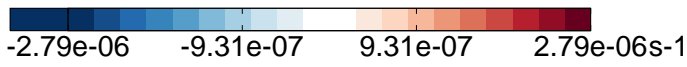
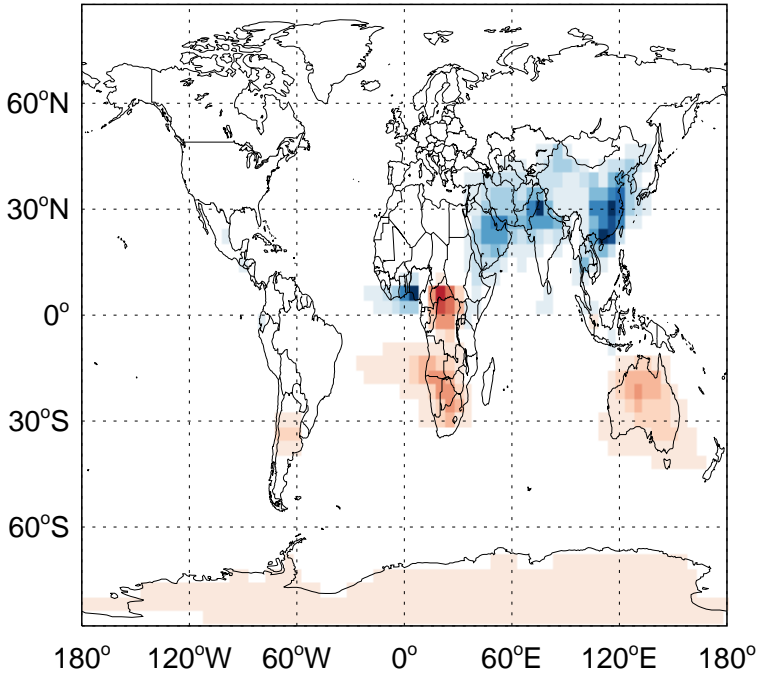
JH2O2 - J-Value Diff @ 500 hPa for Jan



GEOS-Chem J-Values at surface and 500 hPa

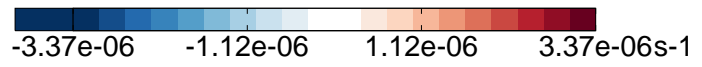
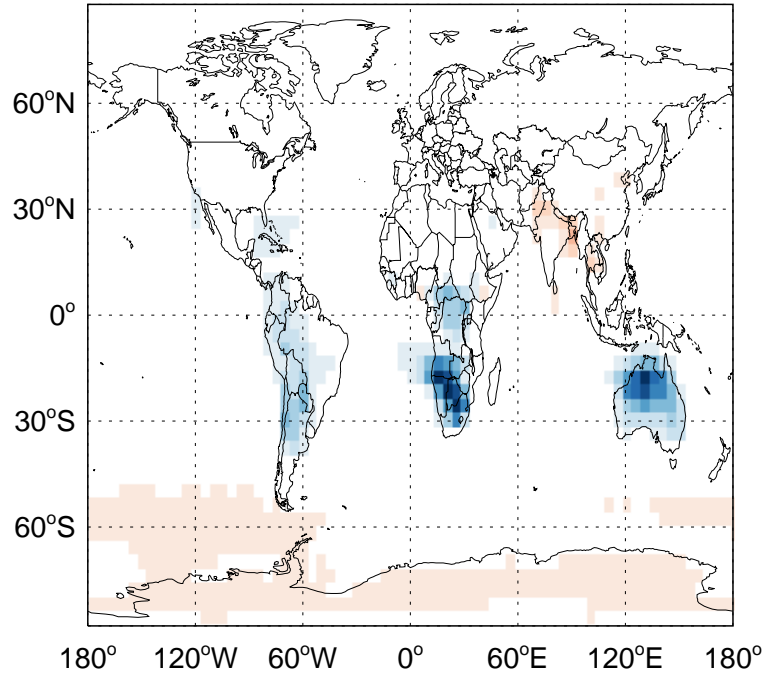
v11-02f-Run1 - v11-02e-Run1

JCH2O - J-Value Diff @ surface for Jan



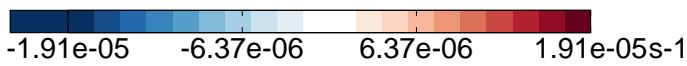
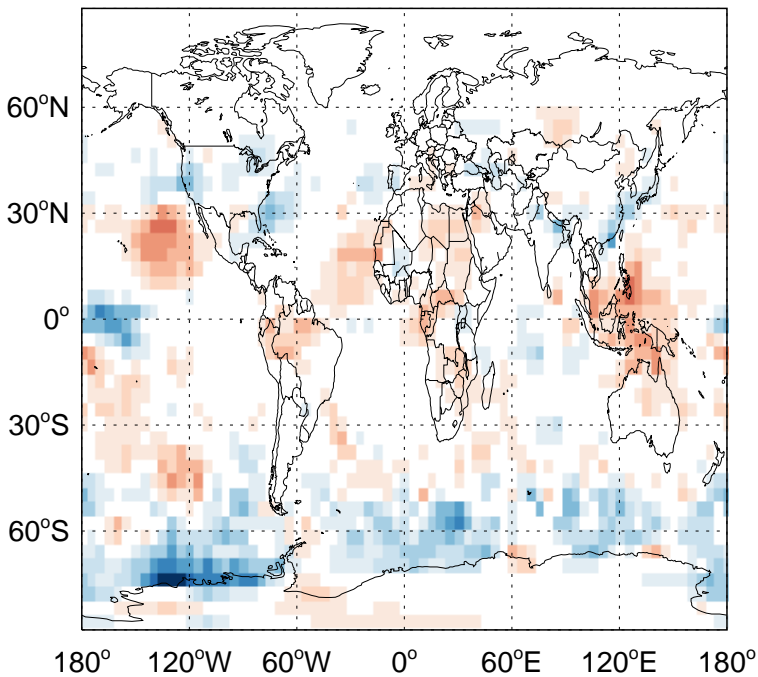
v11-02f-Run1 - v11-02e-Run1

JCH2O - J-Value Diff @ 500 hPa for Jan



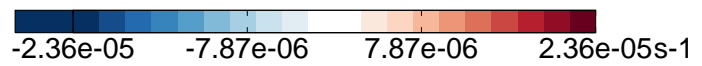
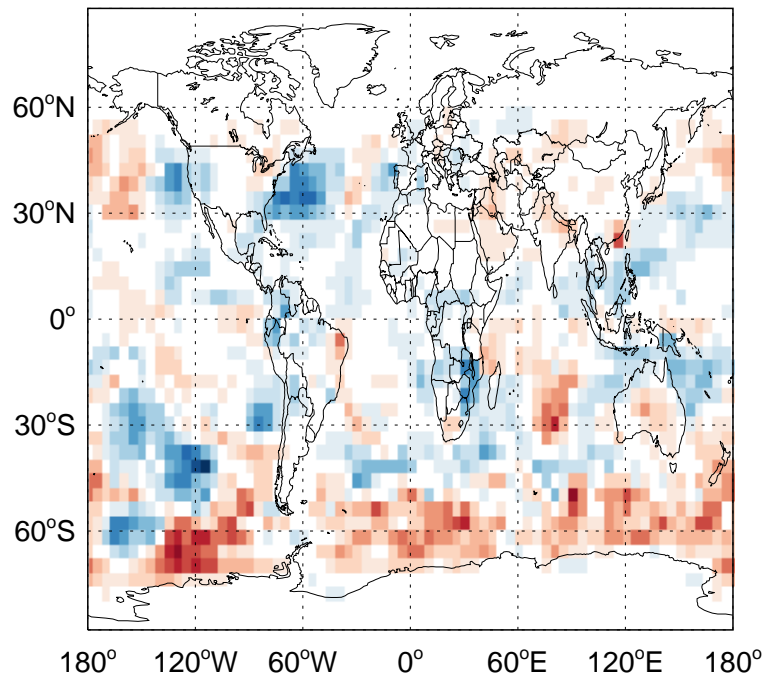
v11-02f-Run1 - v11-02e-Run0

JCH2O - J-Value Diff @ surface for Jan



v11-02f-Run1 - v11-02e-Run0

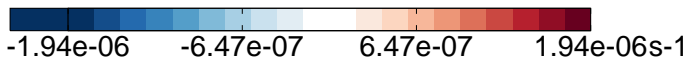
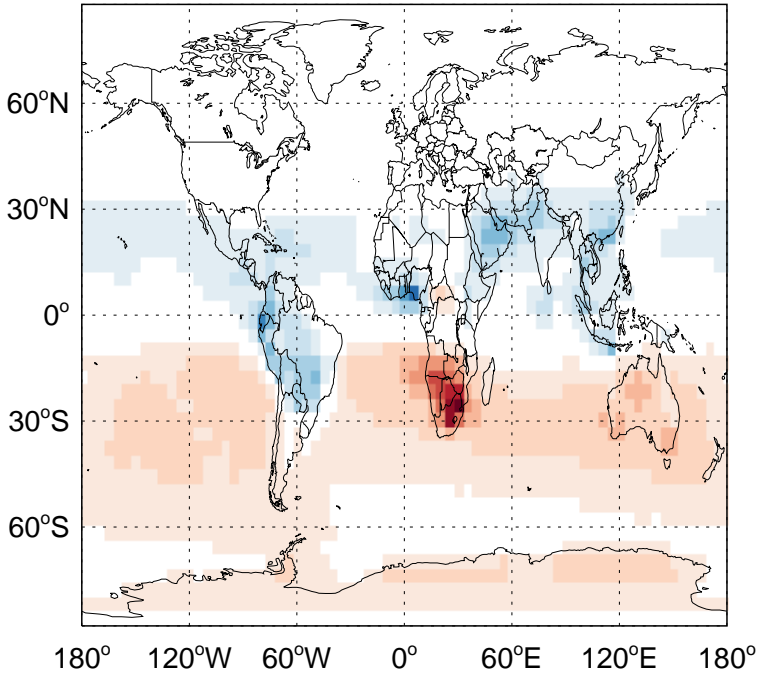
JCH2O - J-Value Diff @ 500 hPa for Jan



GEOS-Chem J-Values at surface and 500 hPa

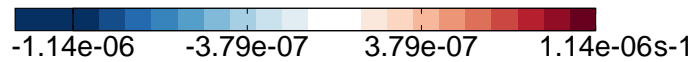
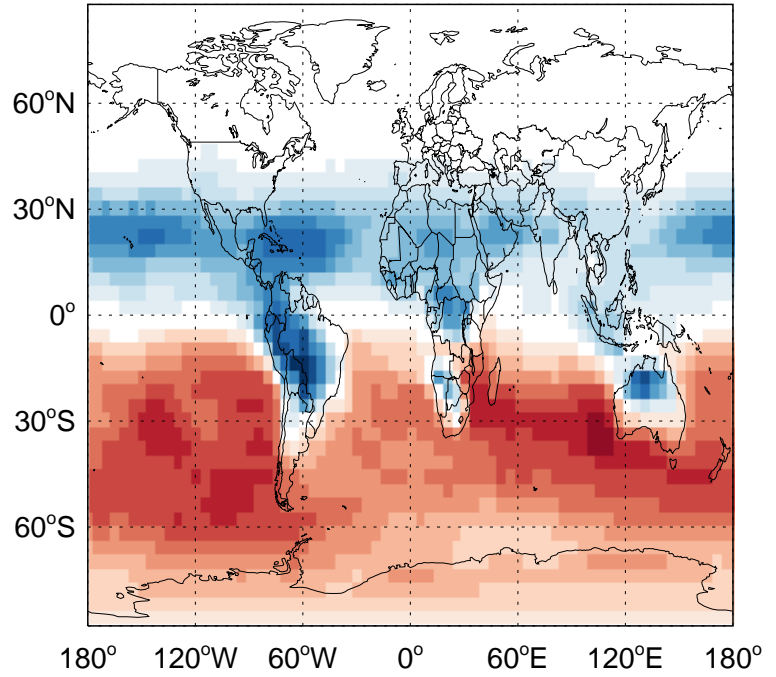
v11-02f-Run1 - v11-02e-Run1

JO3_O1D - J-Value Diff @ surface for Jan



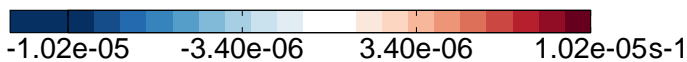
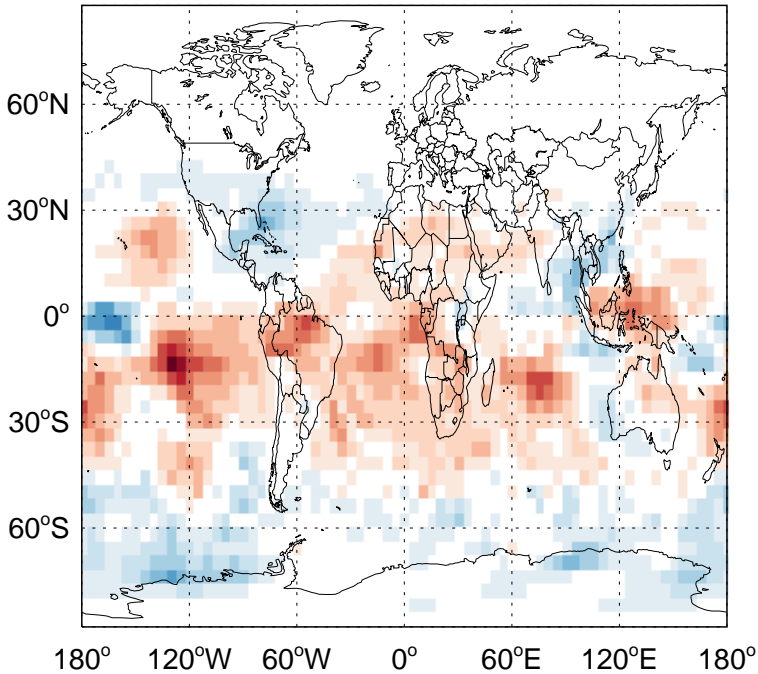
v11-02f-Run1 - v11-02e-Run1

JO3_O1D - J-Value Diff @ 500 hPa for Jan



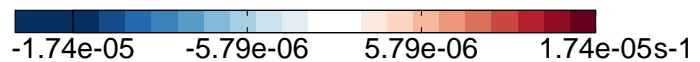
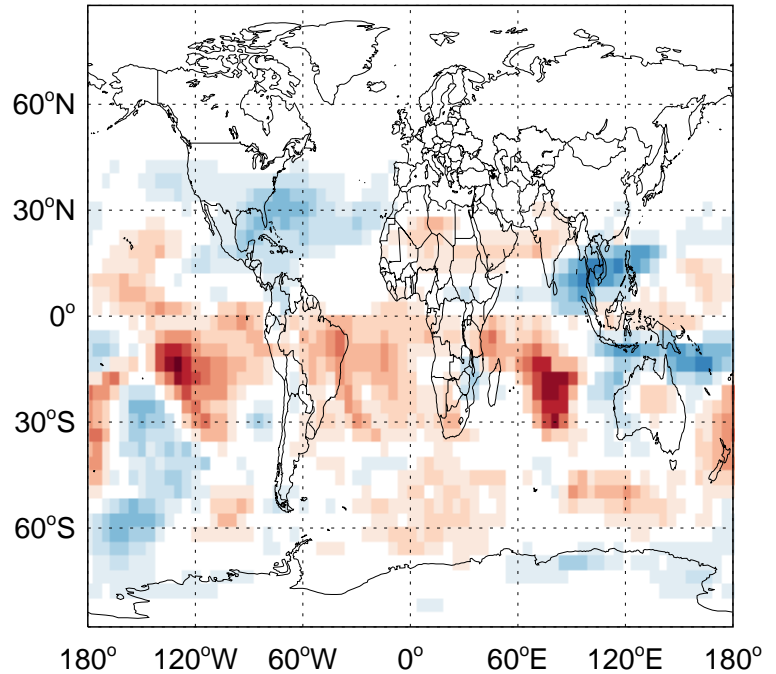
v11-02f-Run1 - v11-02e-Run0

JO3_O1D - J-Value Diff @ surface for Jan



v11-02f-Run1 - v11-02e-Run0

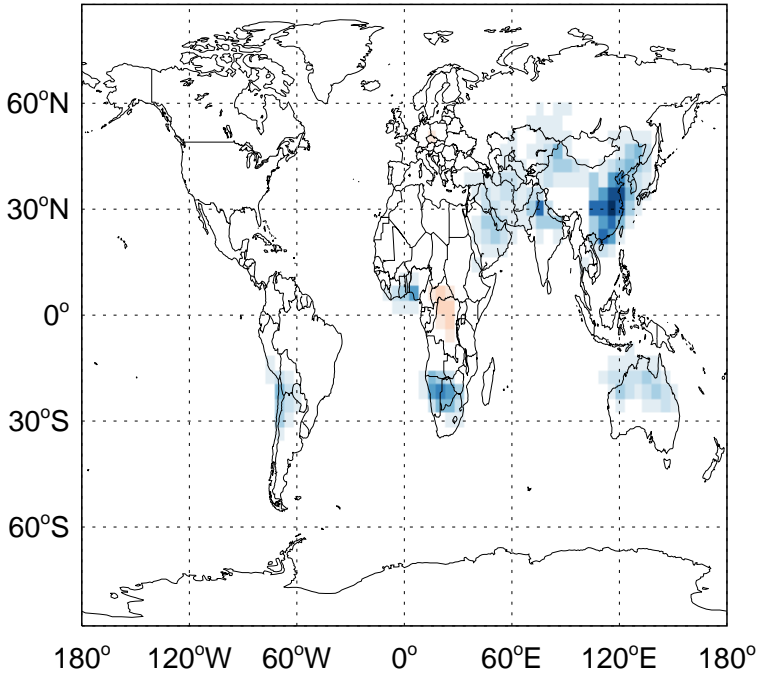
JO3_O1D - J-Value Diff @ 500 hPa for Jan



GEOS-Chem J-Values at surface and 500 hPa

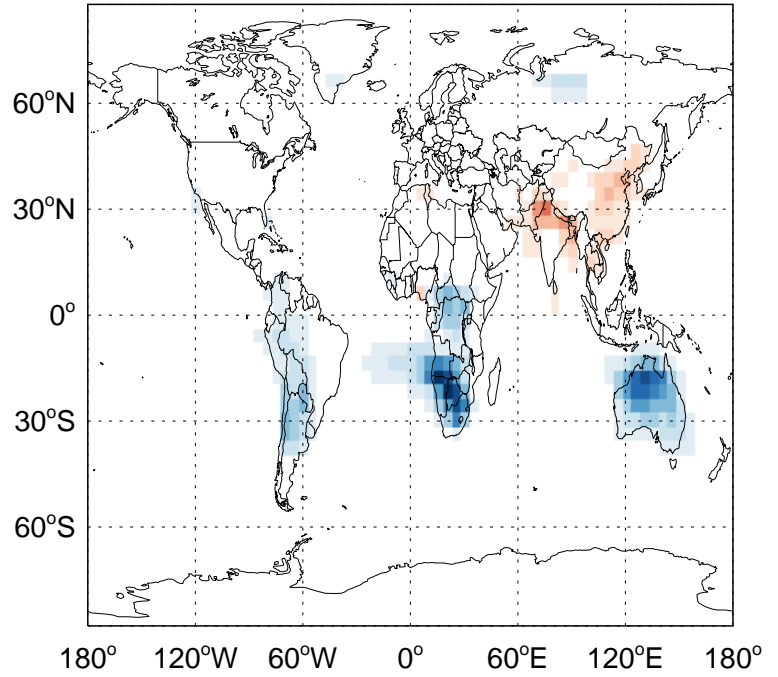
v11-02f-Run1 - v11-02e-Run1

JO3_O3P - J-Value Diff @ surface for Jan



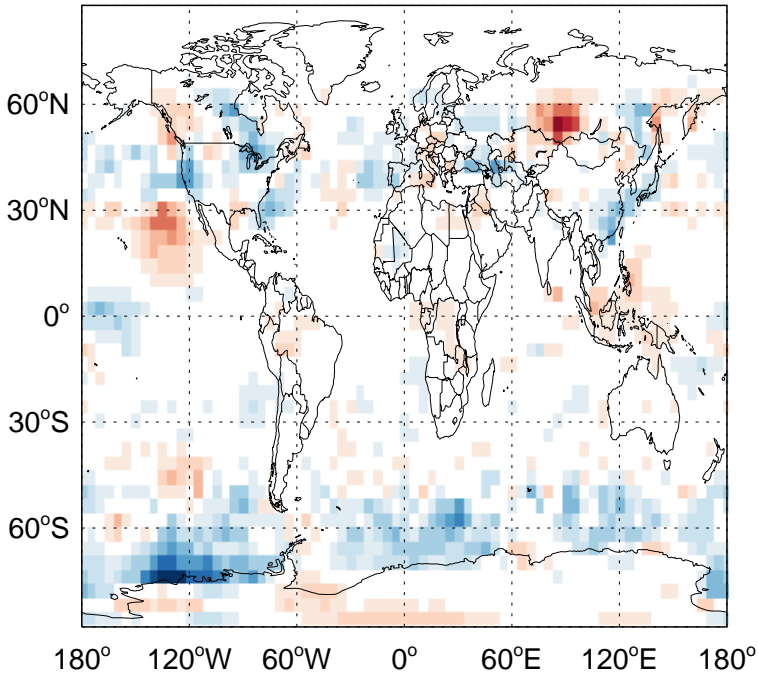
v11-02f-Run1 - v11-02e-Run1

JO3_O3P - J-Value Diff @ 500 hPa for Jan



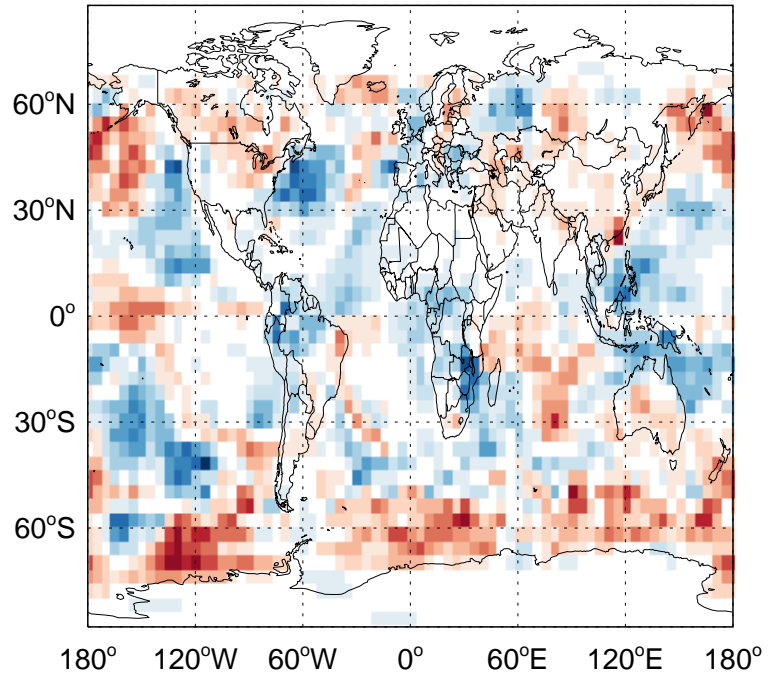
v11-02f-Run1 - v11-02e-Run0

JO3_O3P - J-Value Diff @ surface for Jan



v11-02f-Run1 - v11-02e-Run0

JO3_O3P - J-Value Diff @ 500 hPa for Jan



-1.14e-05 -3.79e-06 3.79e-06 1.14e-05s-1

-1.27e-05 -4.24e-06 4.24e-06 1.27e-05s-1

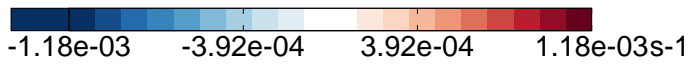
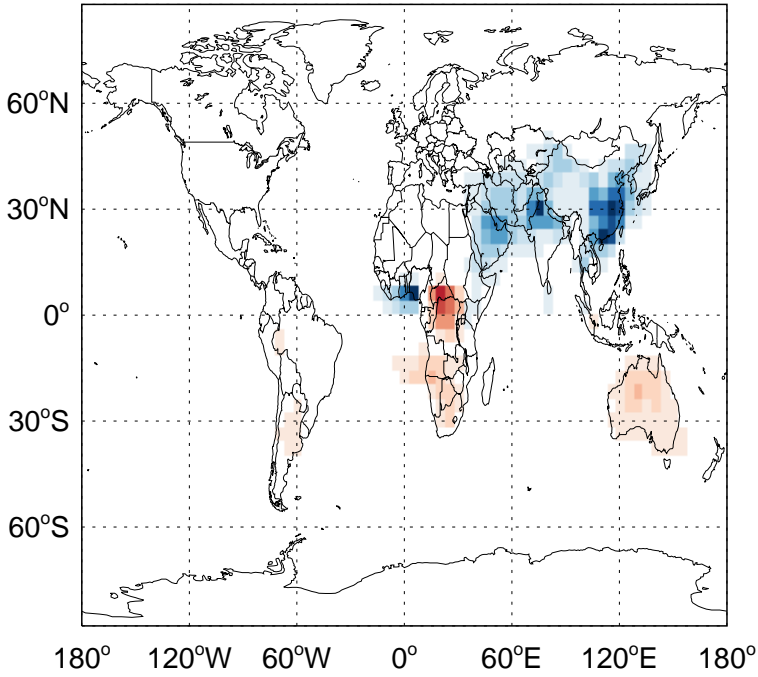
-1.36e-04 -4.52e-05 4.52e-05 1.36e-04s-1

-1.26e-04 -4.20e-05 4.20e-05 1.26e-04s-1

GEOS-Chem J-Values at surface and 500 hPa

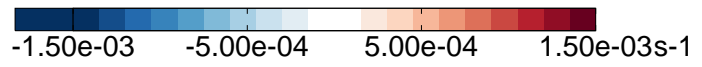
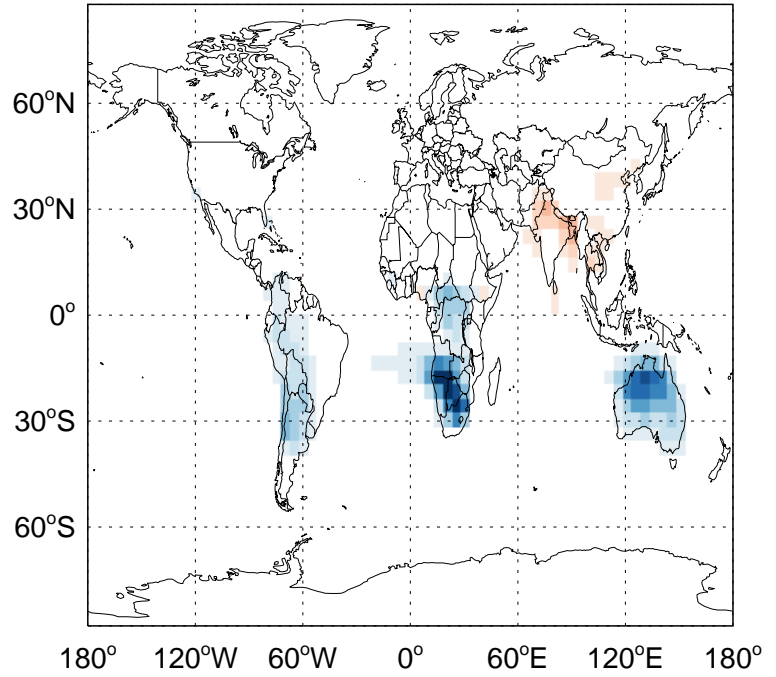
v11-02f-Run1 - v11-02e-Run1

JBrO - J-Value Diff @ surface for Jan



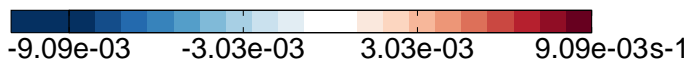
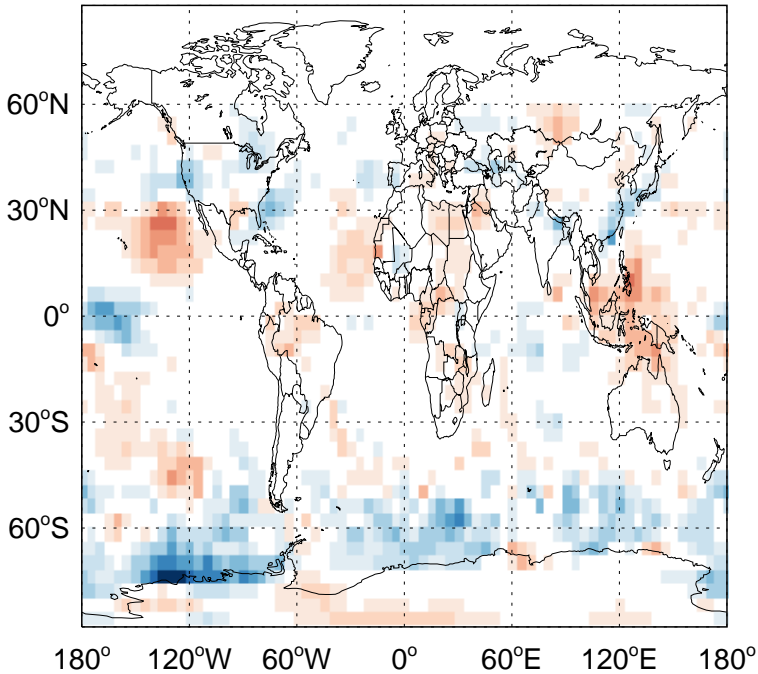
v11-02f-Run1 - v11-02e-Run1

JBrO - J-Value Diff @ 500 hPa for Jan



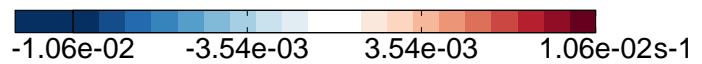
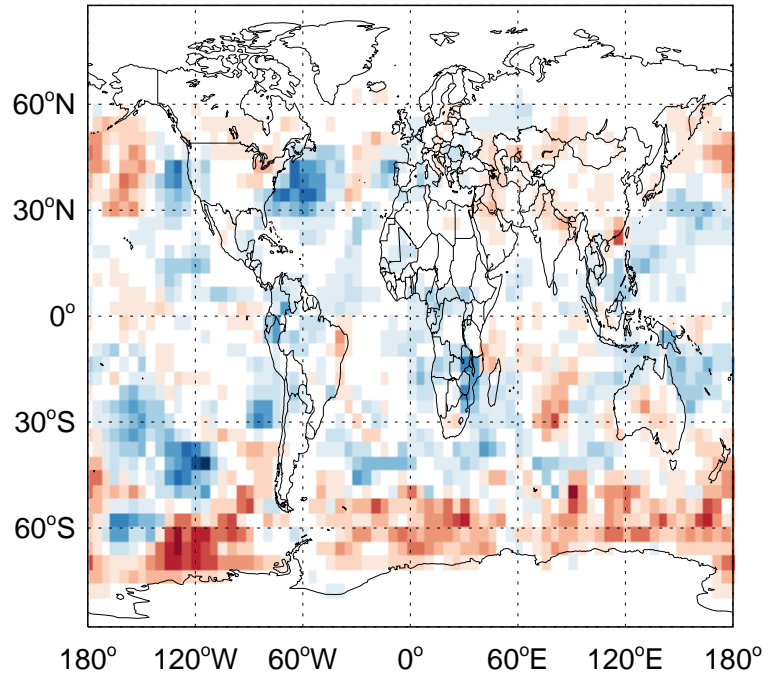
v11-02f-Run1 - v11-02e-Run0

JBrO - J-Value Diff @ surface for Jan



v11-02f-Run1 - v11-02e-Run0

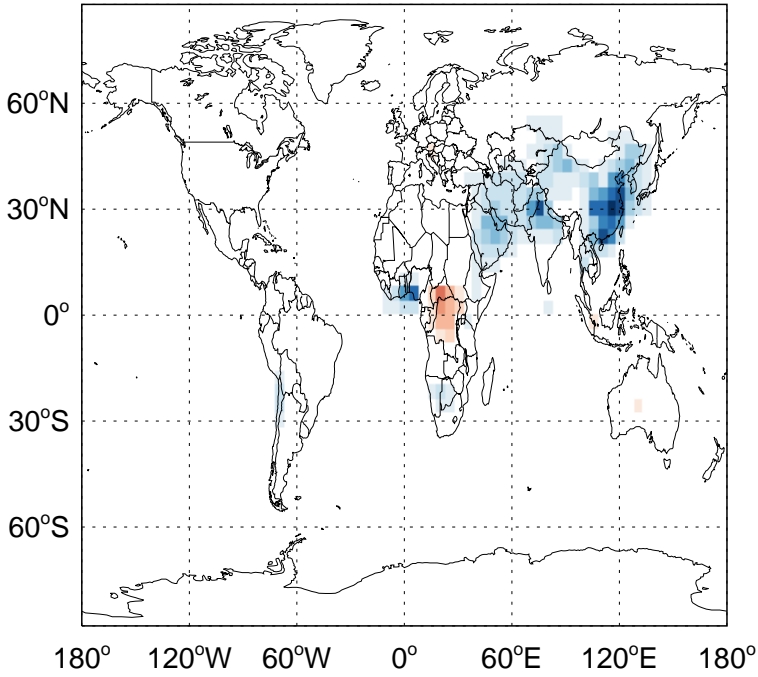
JBrO - J-Value Diff @ 500 hPa for Jan



GEOS-Chem J-Values at surface and 500 hPa

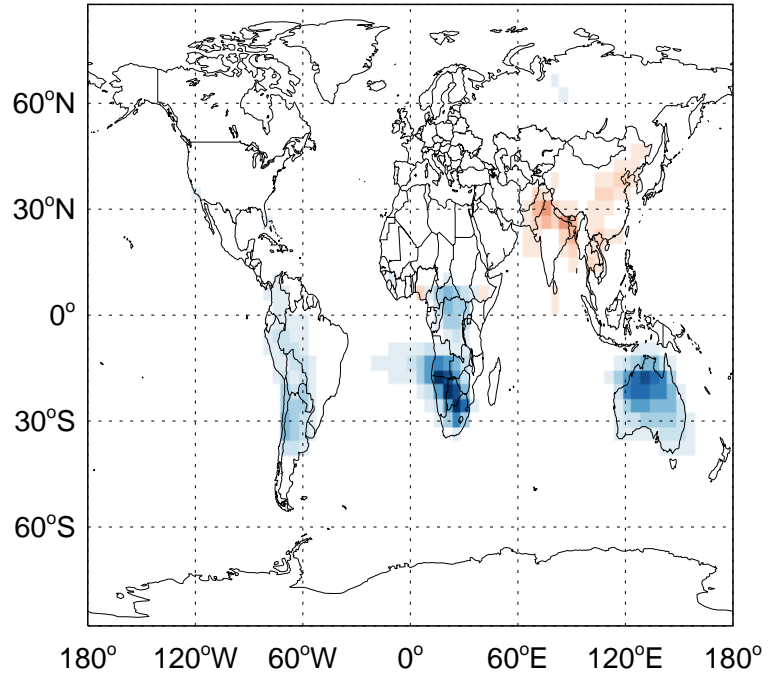
v11-02f-Run1 - v11-02e-Run1

JHOBr - J-Value Diff @ surface for Jan



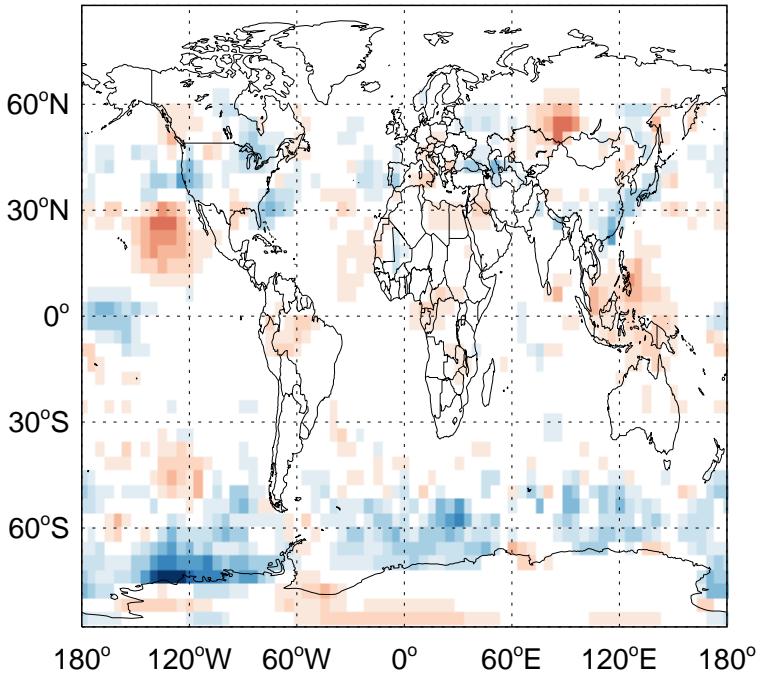
v11-02f-Run1 - v11-02e-Run1

JHOBr - J-Value Diff @ 500 hPa for Jan



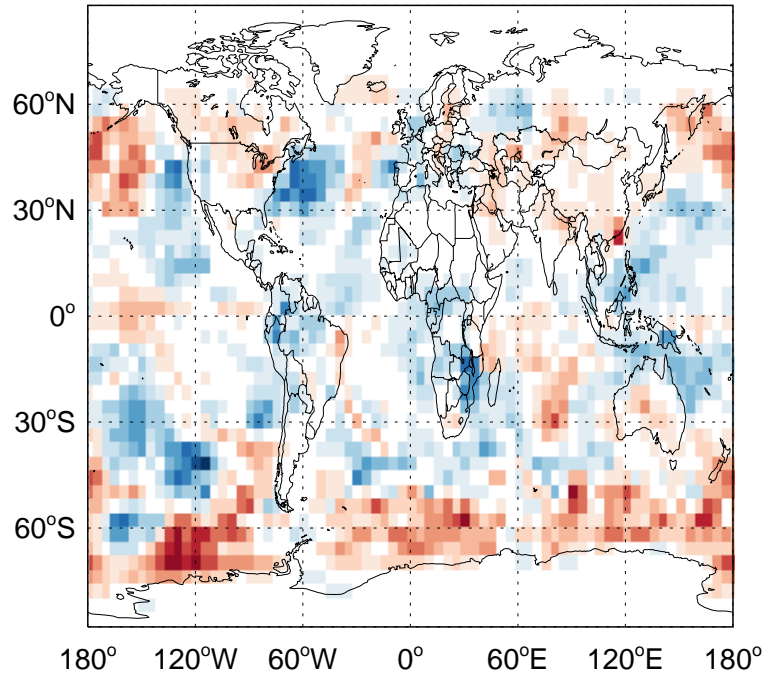
v11-02f-Run1 - v11-02e-Run0

JHOBr - J-Value Diff @ surface for Jan



v11-02f-Run1 - v11-02e-Run0

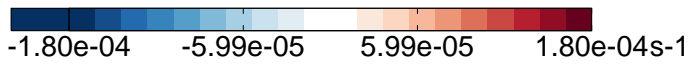
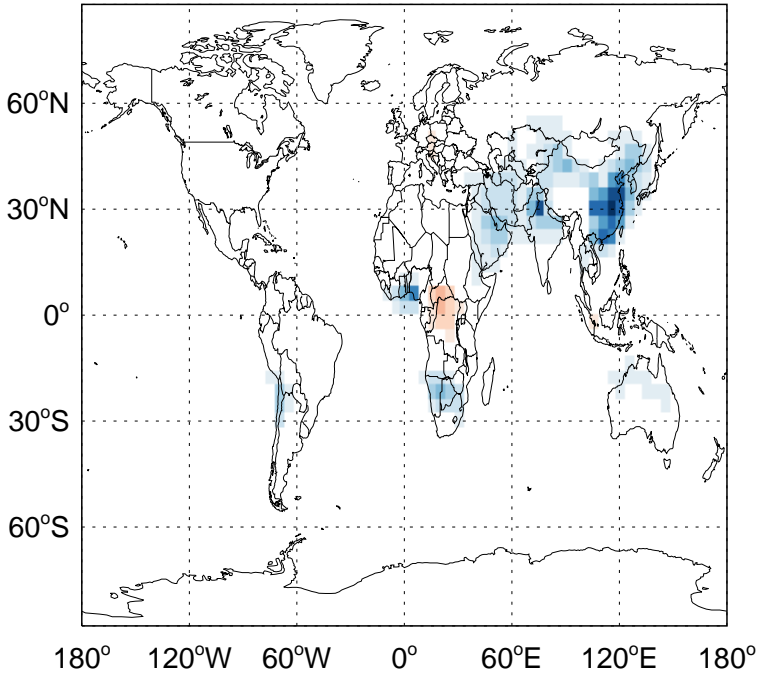
JHOBr - J-Value Diff @ 500 hPa for Jan



GEOS-Chem J-Values at surface and 500 hPa

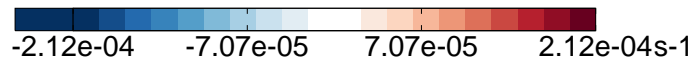
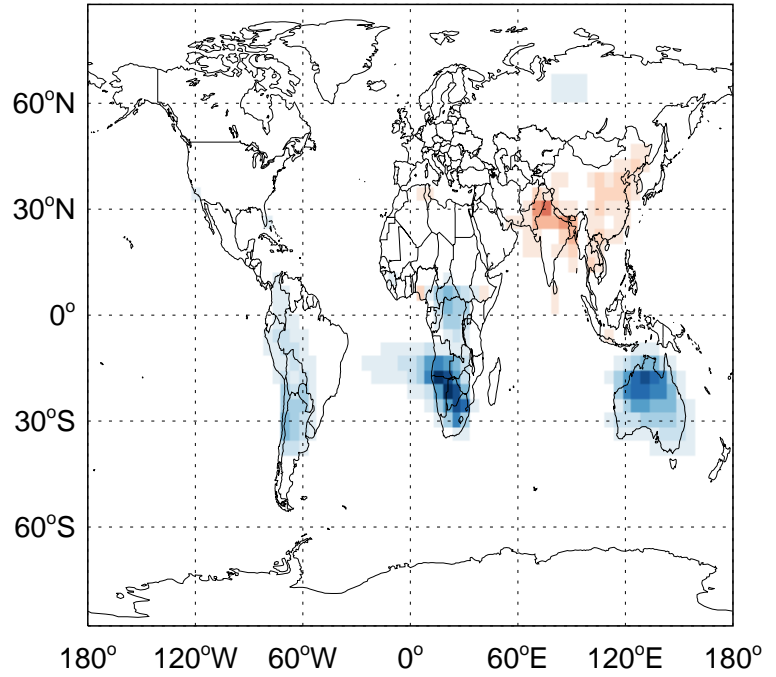
v11-02f-Run1 - v11-02e-Run1

JBrNO2 - J-Value Diff @ surface for Jan



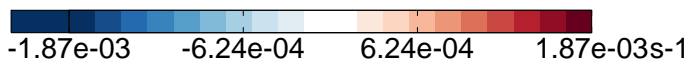
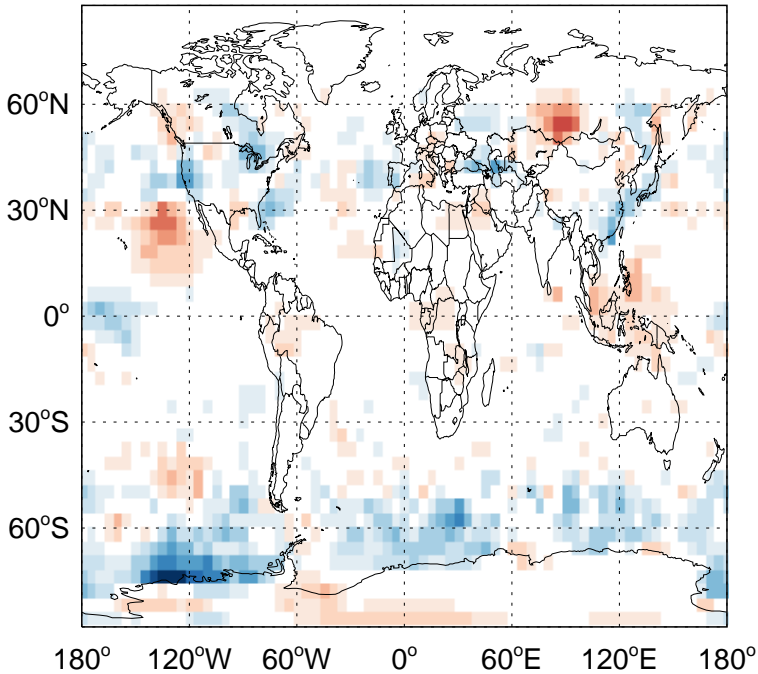
v11-02f-Run1 - v11-02e-Run1

JBrNO2 - J-Value Diff @ 500 hPa for Jan



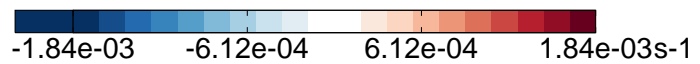
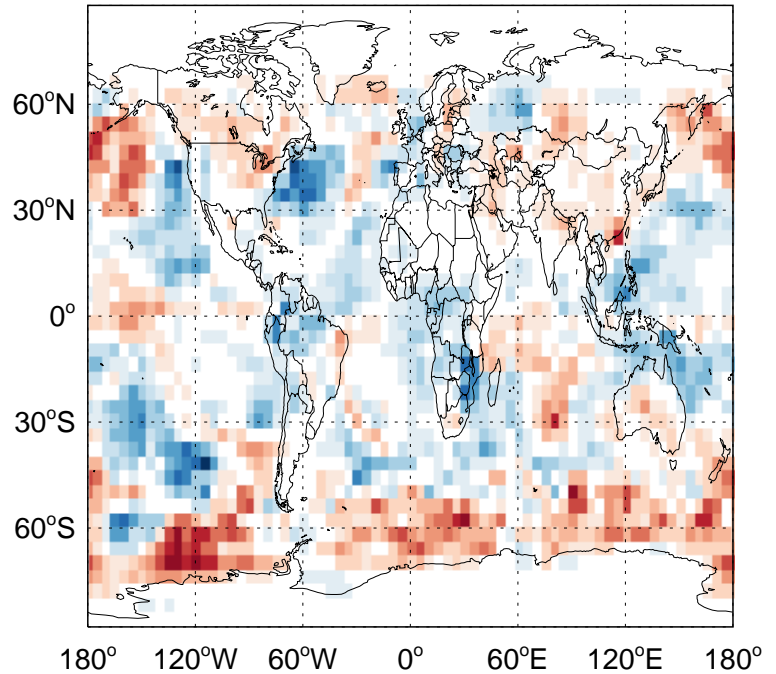
v11-02f-Run1 - v11-02e-Run0

JBrNO2 - J-Value Diff @ surface for Jan



v11-02f-Run1 - v11-02e-Run0

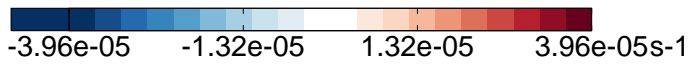
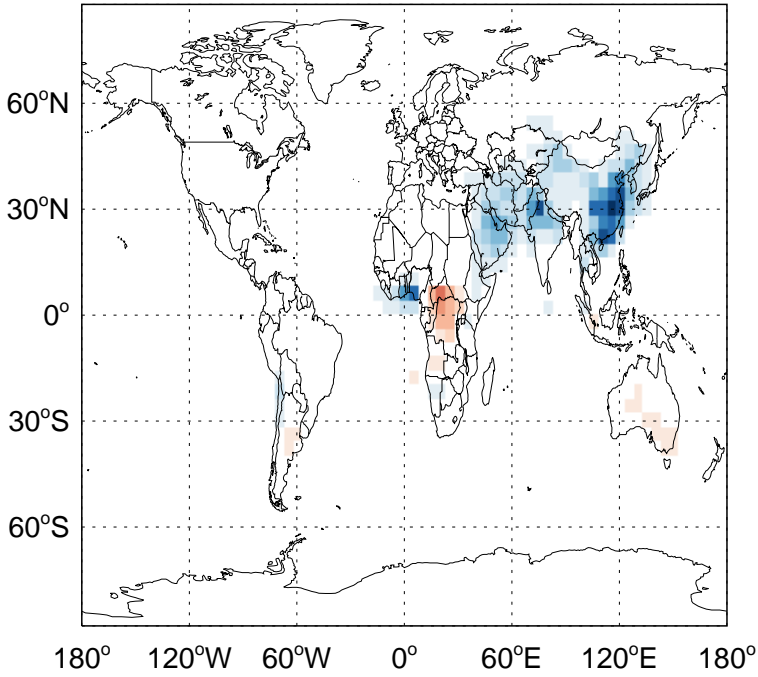
JBrNO2 - J-Value Diff @ 500 hPa for Jan



GEOS-Chem J-Values at surface and 500 hPa

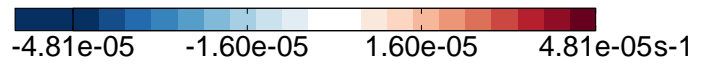
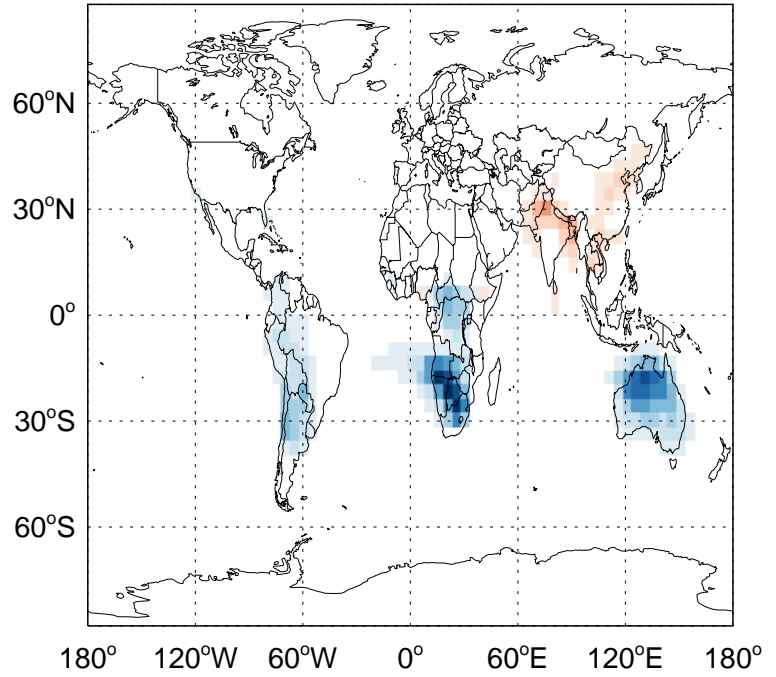
v11-02f-Run1 - v11-02e-Run1

JBrNO3 - J-Value Diff @ surface for Jan



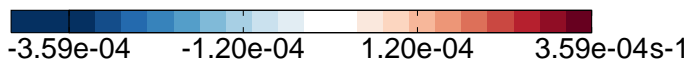
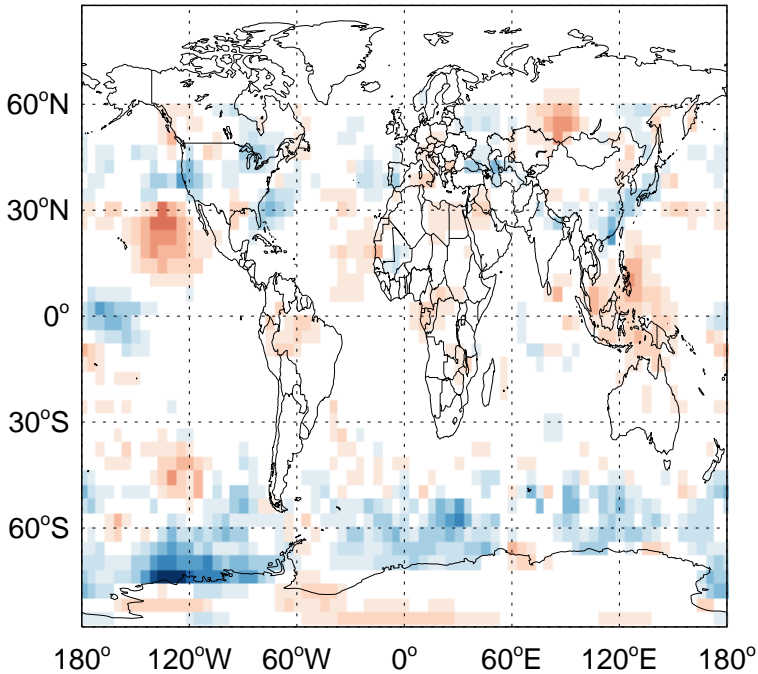
v11-02f-Run1 - v11-02e-Run1

JBrNO3 - J-Value Diff @ 500 hPa for Jan



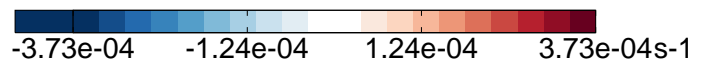
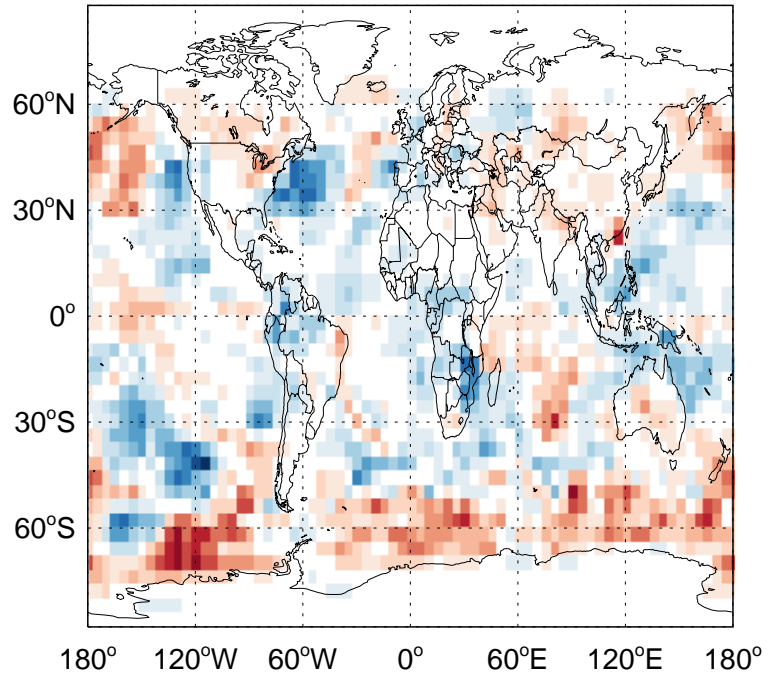
v11-02f-Run1 - v11-02e-Run0

JBrNO3 - J-Value Diff @ surface for Jan



v11-02f-Run1 - v11-02e-Run0

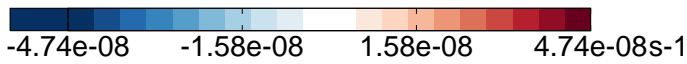
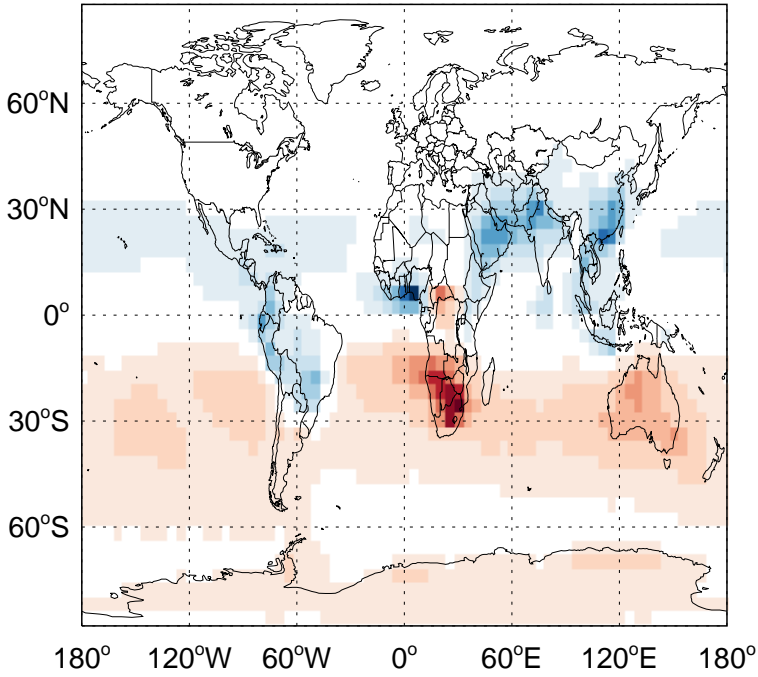
JBrNO3 - J-Value Diff @ 500 hPa for Jan



GEOS-Chem J-Values at surface and 500 hPa

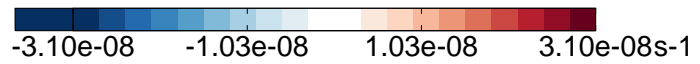
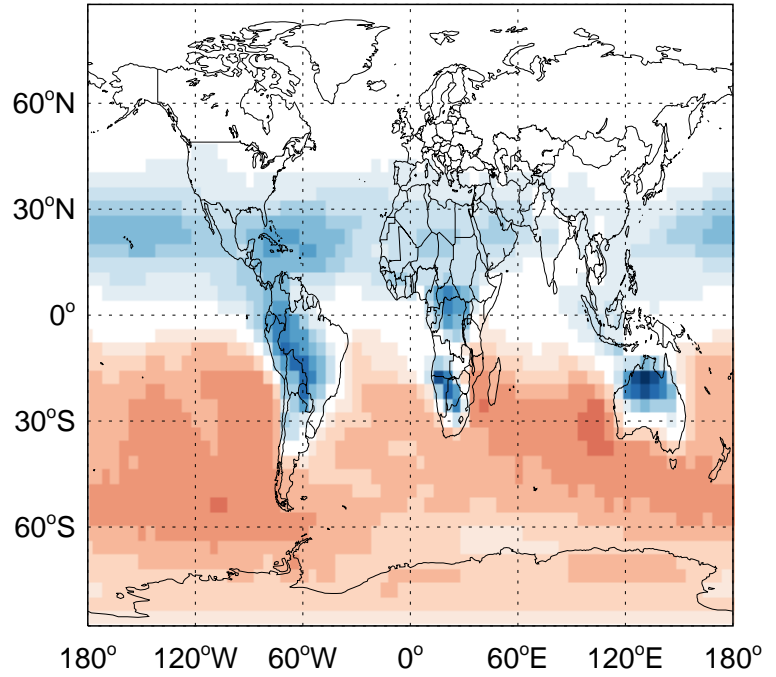
v11-02f-Run1 - v11-02e-Run1

JCHBr3 - J-Value Diff @ surface for Jan



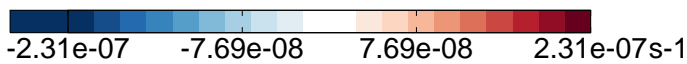
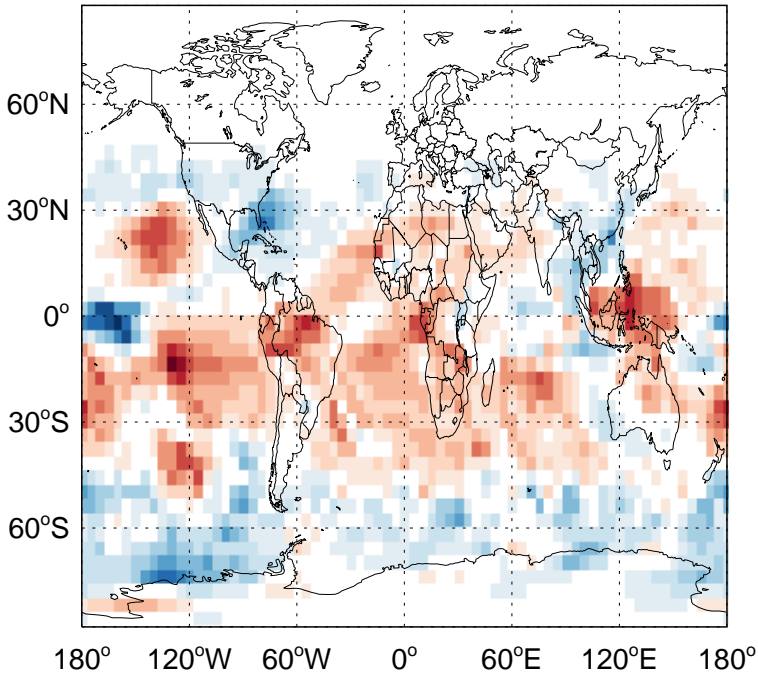
v11-02f-Run1 - v11-02e-Run1

JCHBr3 - J-Value Diff @ 500 hPa for Jan



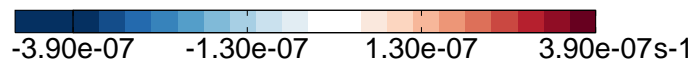
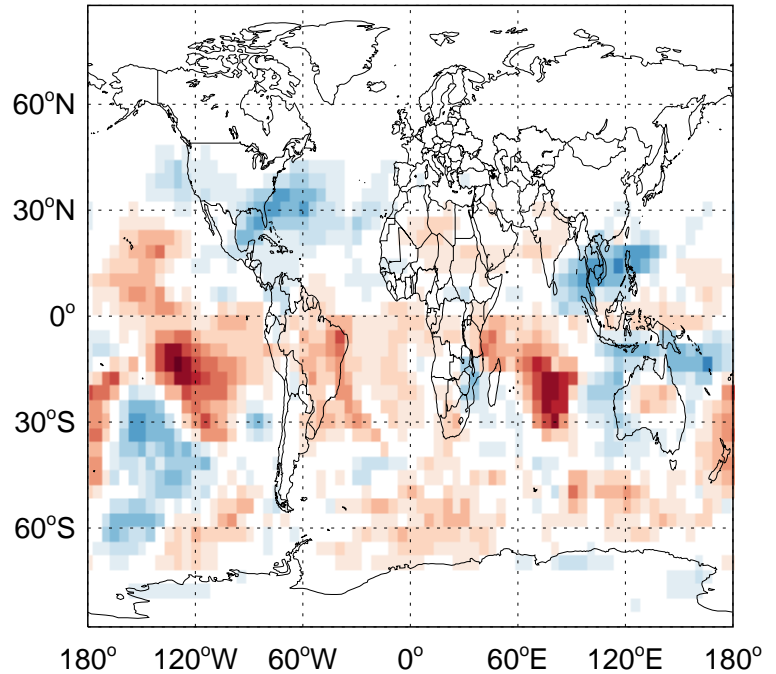
v11-02f-Run1 - v11-02e-Run0

JCHBr3 - J-Value Diff @ surface for Jan



v11-02f-Run1 - v11-02e-Run0

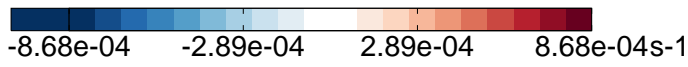
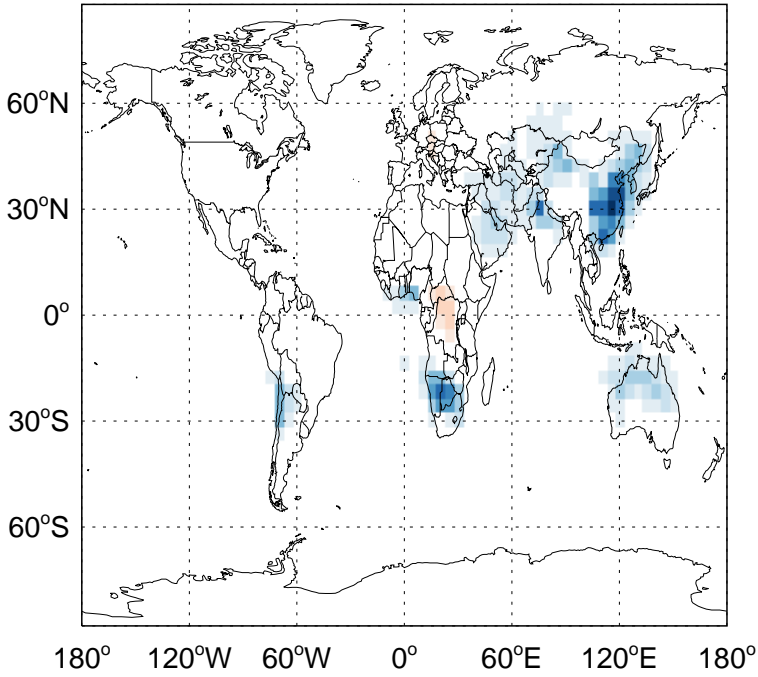
JCHBr3 - J-Value Diff @ 500 hPa for Jan



GEOS-Chem J-Values at surface and 500 hPa

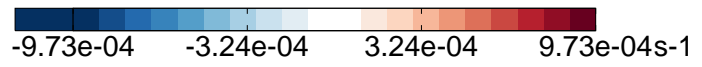
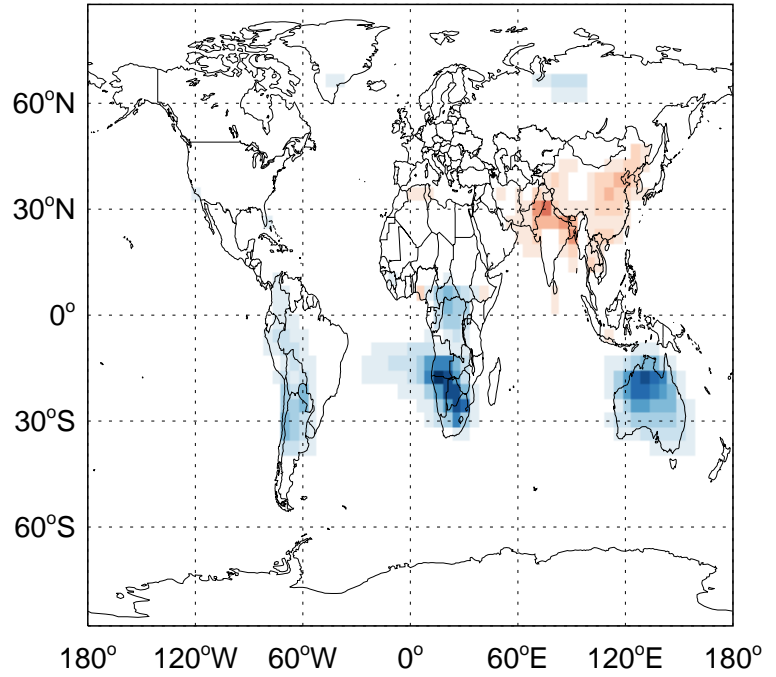
v11-02f-Run1 - v11-02e-Run1

JBr2 - J-Value Diff @ surface for Jan



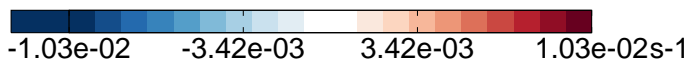
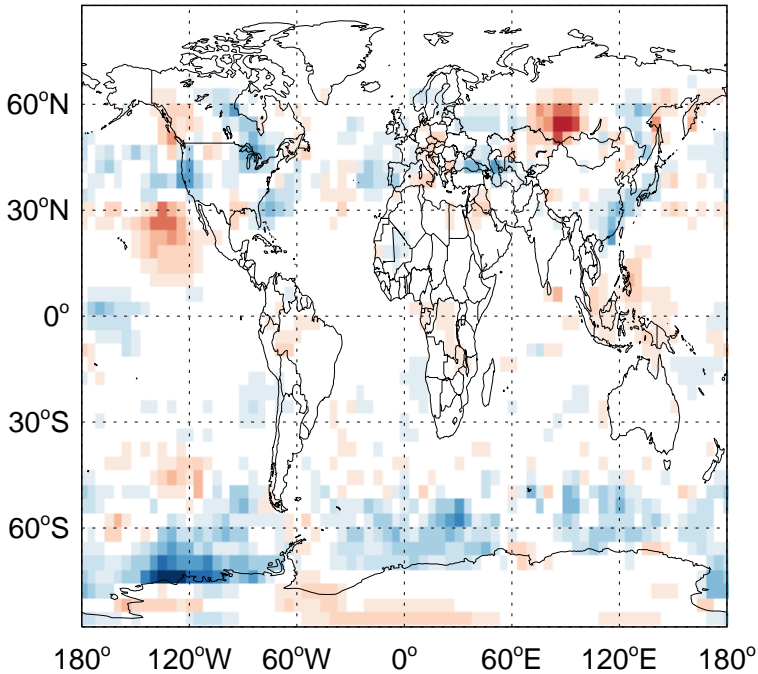
v11-02f-Run1 - v11-02e-Run1

JBr2 - J-Value Diff @ 500 hPa for Jan



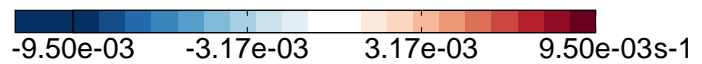
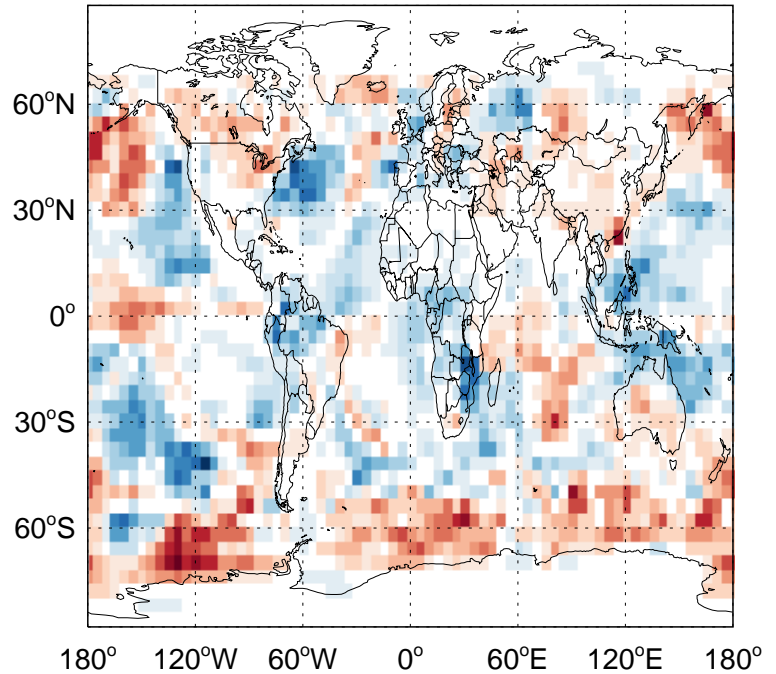
v11-02f-Run1 - v11-02e-Run0

JBr2 - J-Value Diff @ surface for Jan



v11-02f-Run1 - v11-02e-Run0

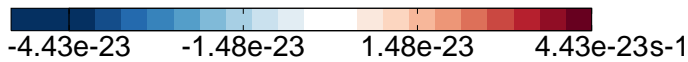
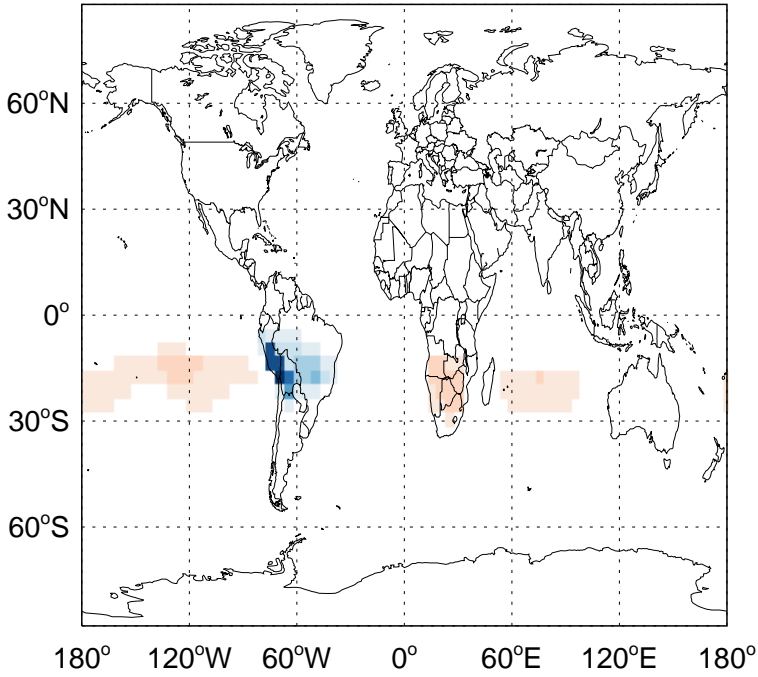
JBr2 - J-Value Diff @ 500 hPa for Jan



GEOS-Chem J-Values at surface and 500 hPa

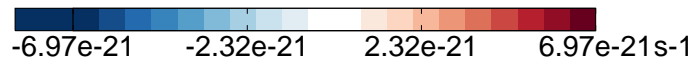
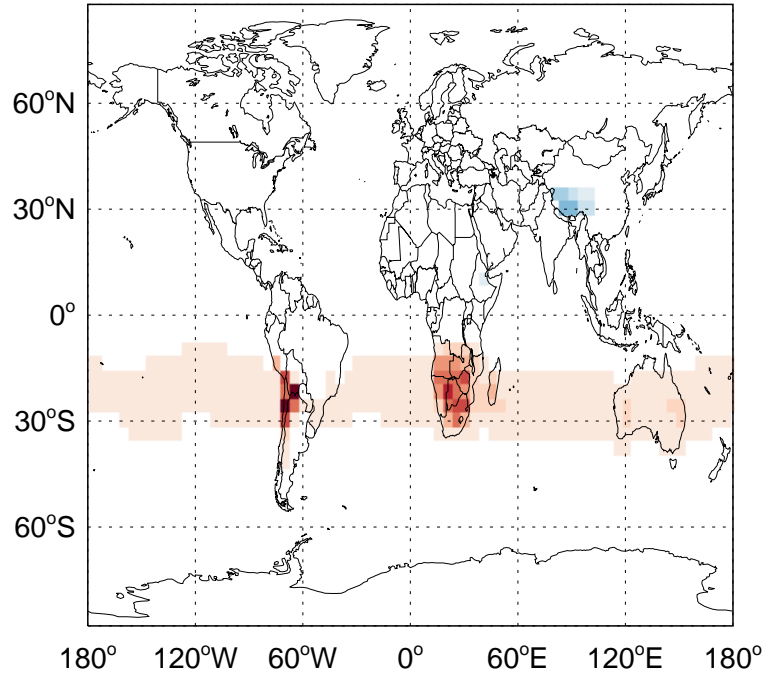
v11-02f-Run1 - v11-02e-Run1

JO2 - J-Value Diff @ surface for Jan



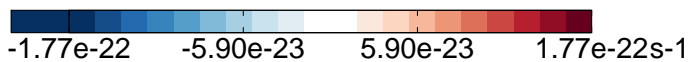
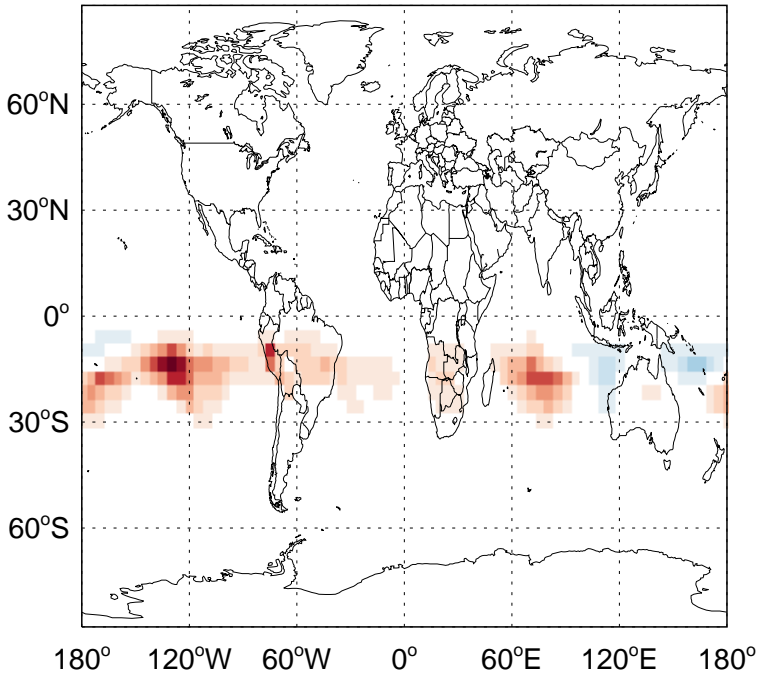
v11-02f-Run1 - v11-02e-Run1

JO2 - J-Value Diff @ 500 hPa for Jan



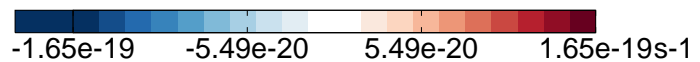
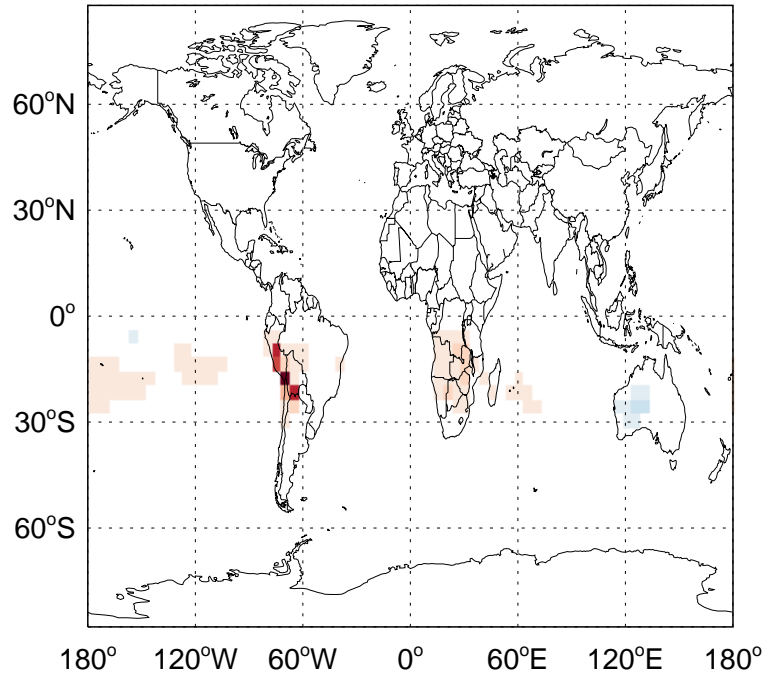
v11-02f-Run1 - v11-02e-Run0

JO2 - J-Value Diff @ surface for Jan



v11-02f-Run1 - v11-02e-Run0

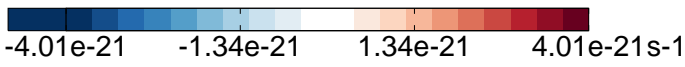
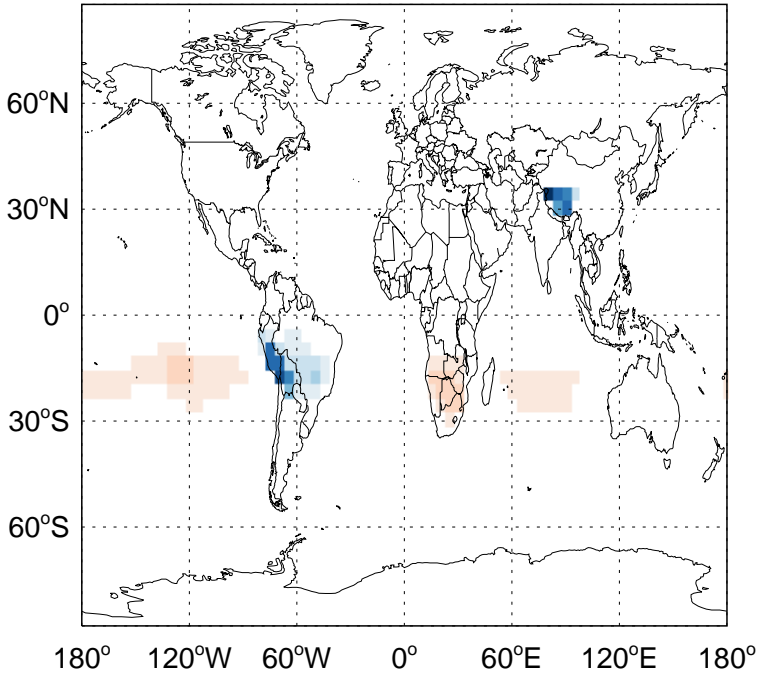
JO2 - J-Value Diff @ 500 hPa for Jan



GEOS-Chem J-Values at surface and 500 hPa

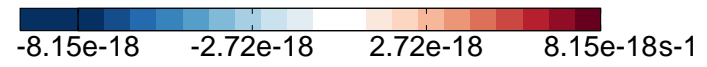
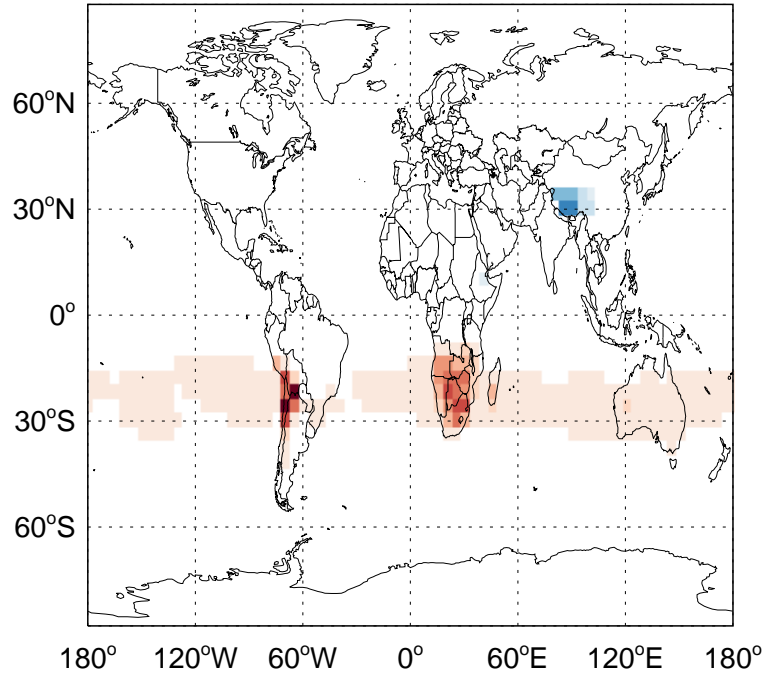
v11-02f-Run1 - v11-02e-Run1

JN2O - J-Value Diff @ surface for Jan



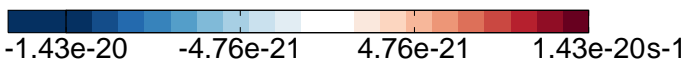
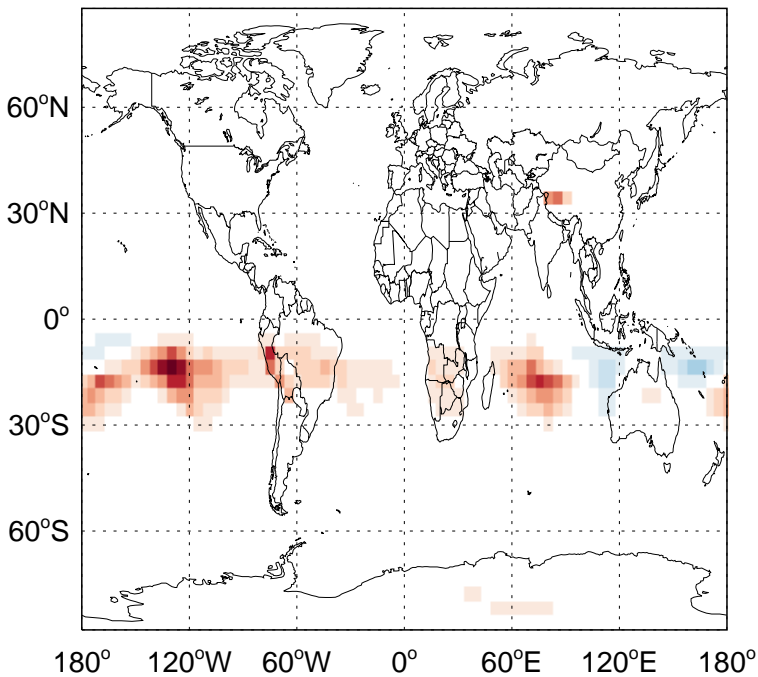
v11-02f-Run1 - v11-02e-Run1

JN2O - J-Value Diff @ 500 hPa for Jan



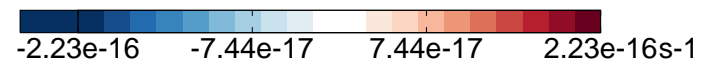
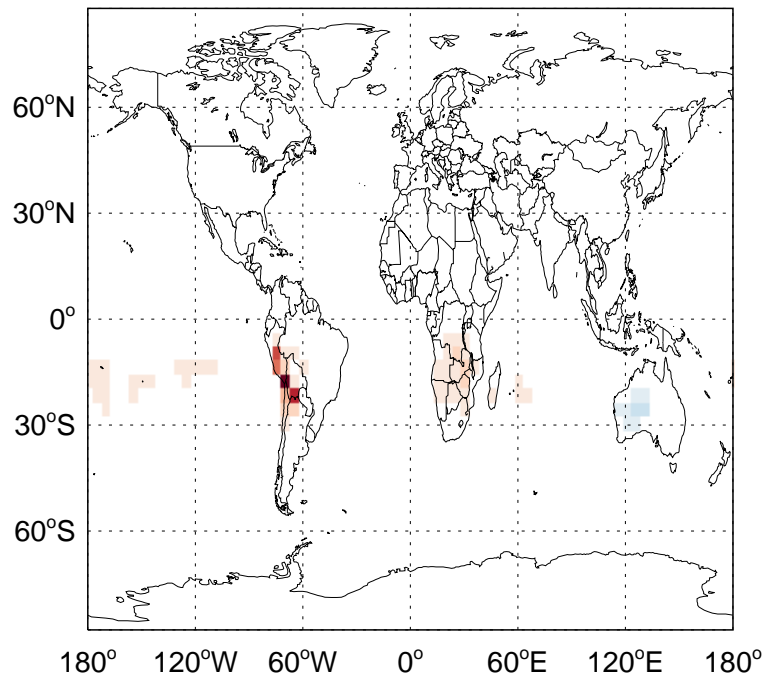
v11-02f-Run1 - v11-02e-Run0

JN2O - J-Value Diff @ surface for Jan



v11-02f-Run1 - v11-02e-Run0

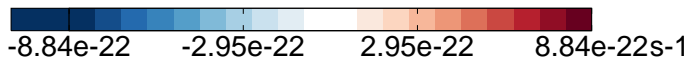
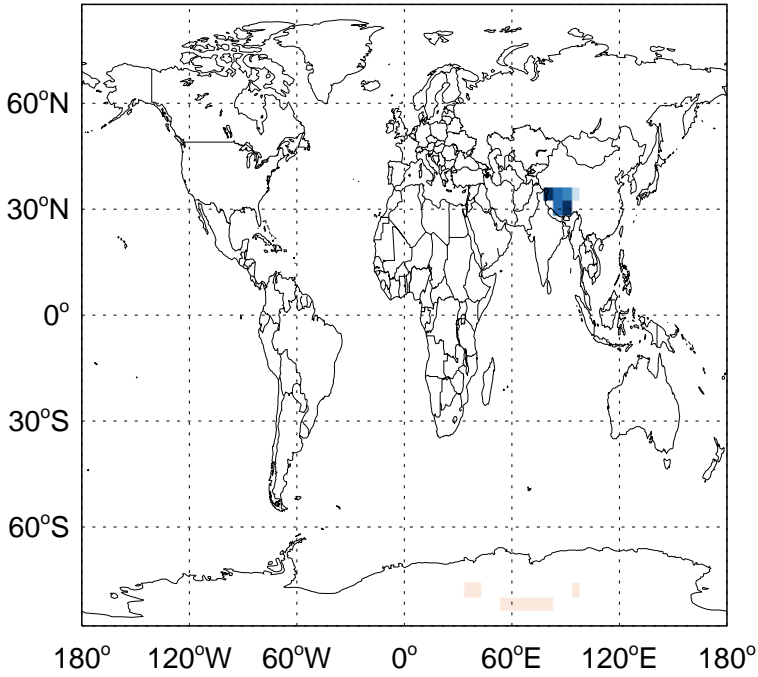
JN2O - J-Value Diff @ 500 hPa for Jan



GEOS-Chem J-Values at surface and 500 hPa

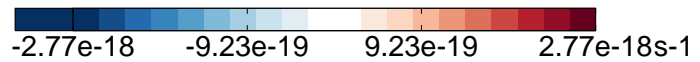
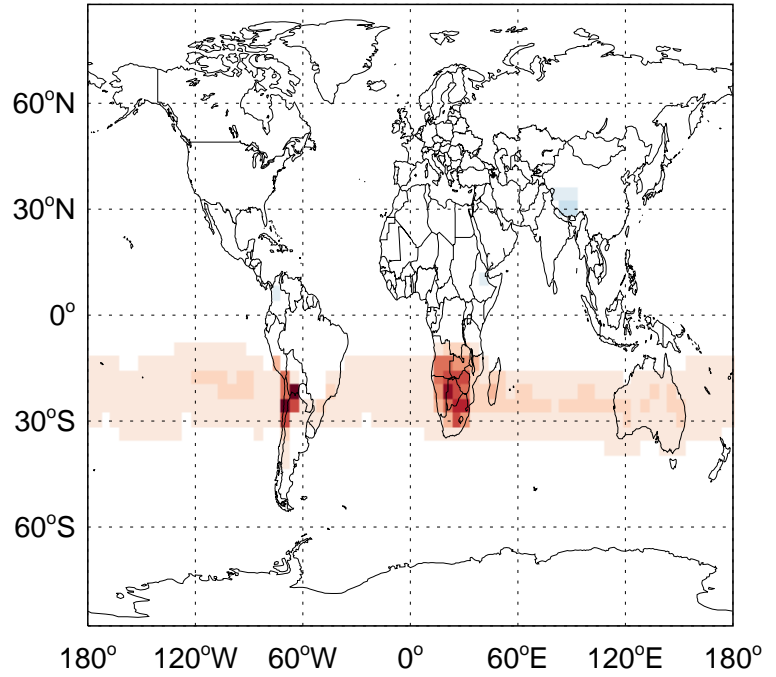
v11-02f-Run1 - v11-02e-Run1

JNO - J-Value Diff @ surface for Jan



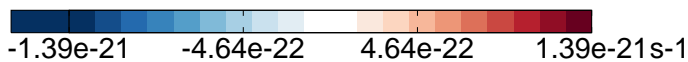
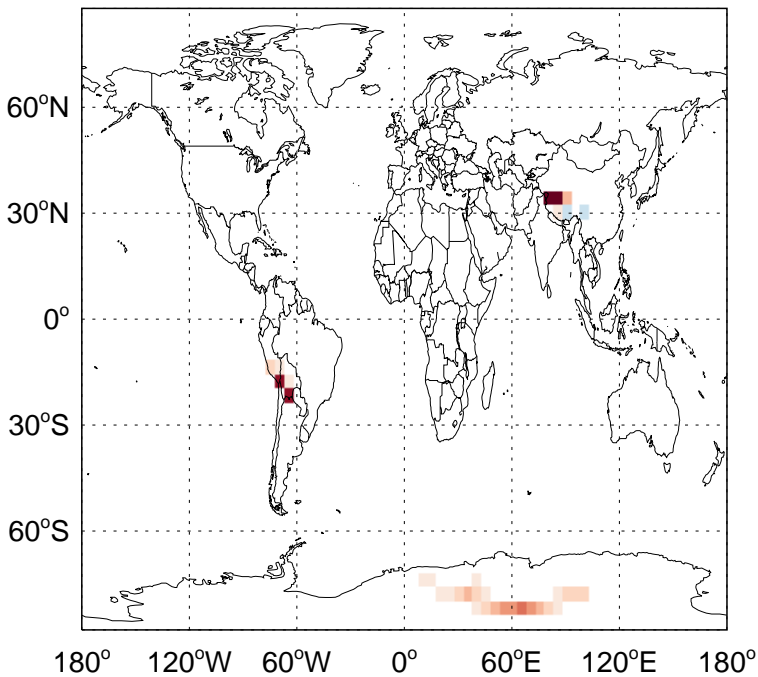
v11-02f-Run1 - v11-02e-Run1

JNO - J-Value Diff @ 500 hPa for Jan



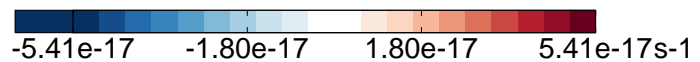
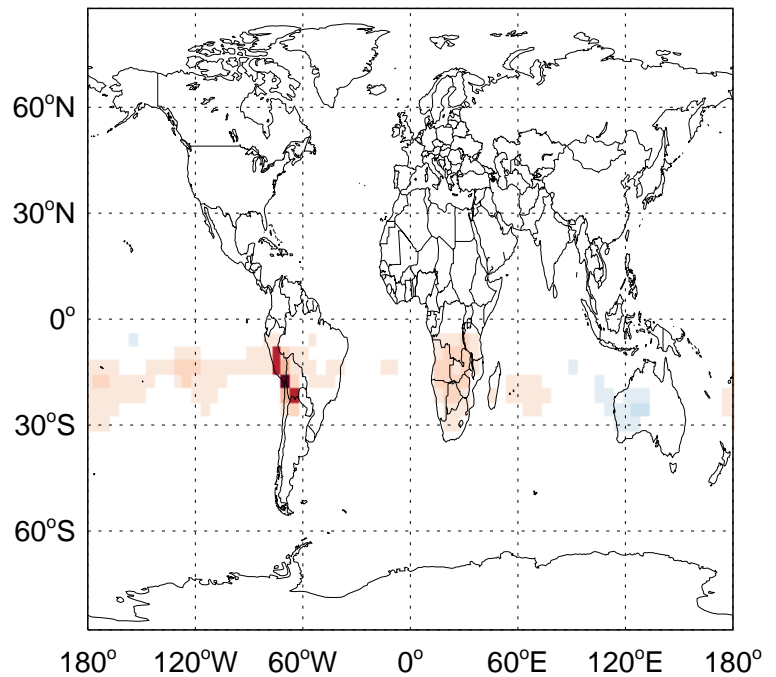
v11-02f-Run1 - v11-02e-Run0

JNO - J-Value Diff @ surface for Jan



v11-02f-Run1 - v11-02e-Run0

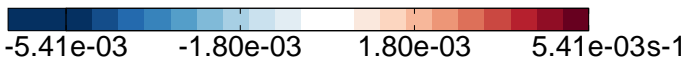
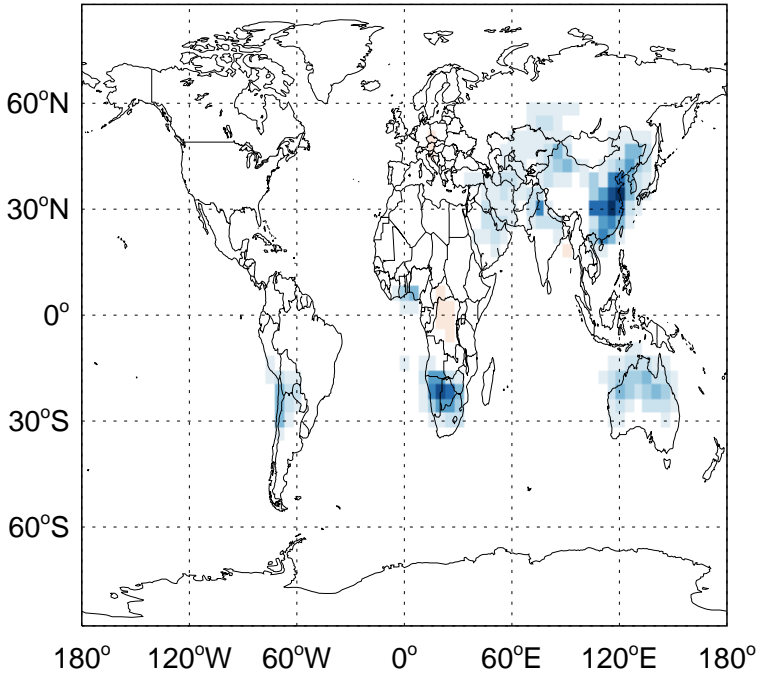
JNO - J-Value Diff @ 500 hPa for Jan



GEOS-Chem J-Values at surface and 500 hPa

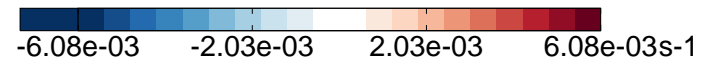
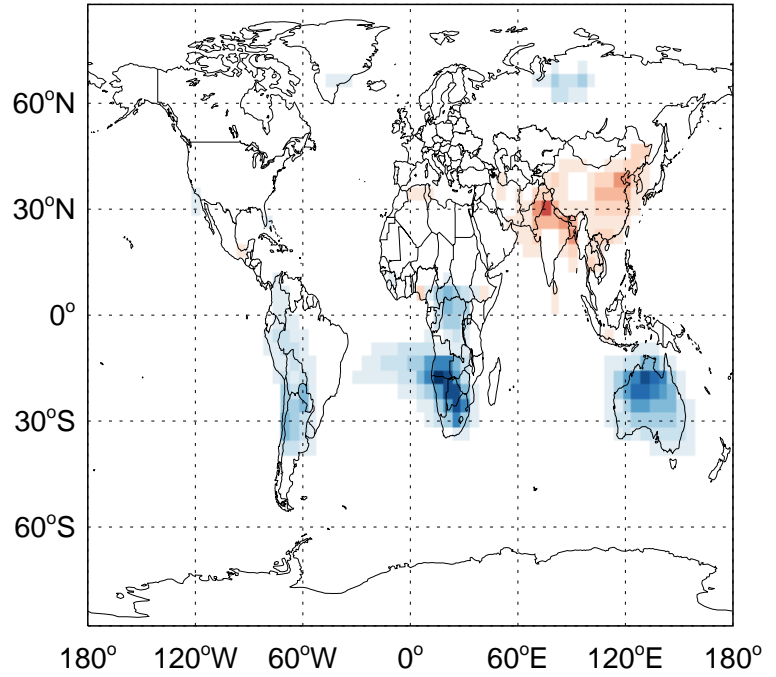
v11-02f-Run1 - v11-02e-Run1

JNO3 - J-Value Diff @ surface for Jan



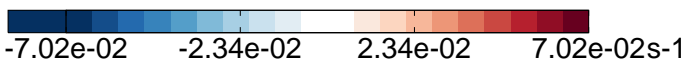
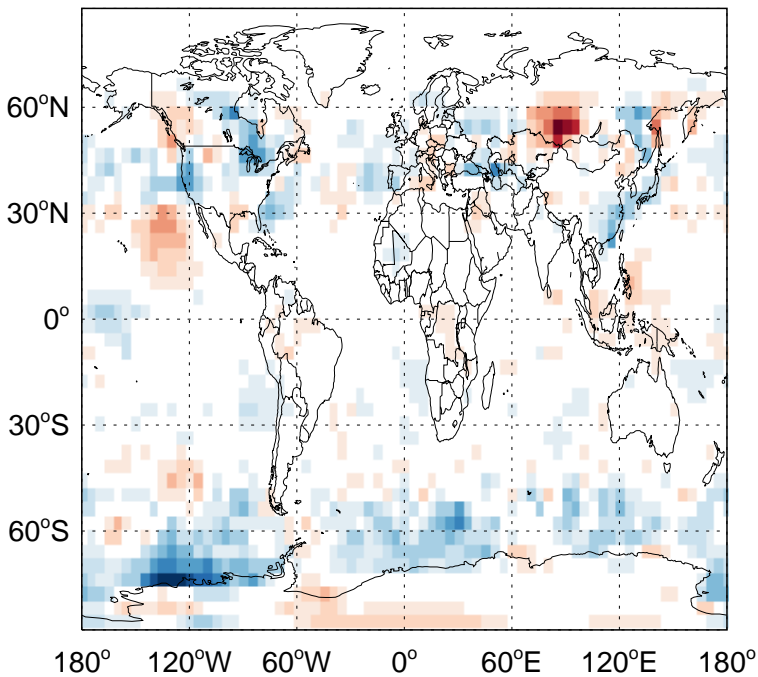
v11-02f-Run1 - v11-02e-Run1

JNO3 - J-Value Diff @ 500 hPa for Jan



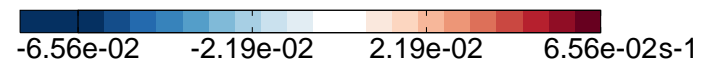
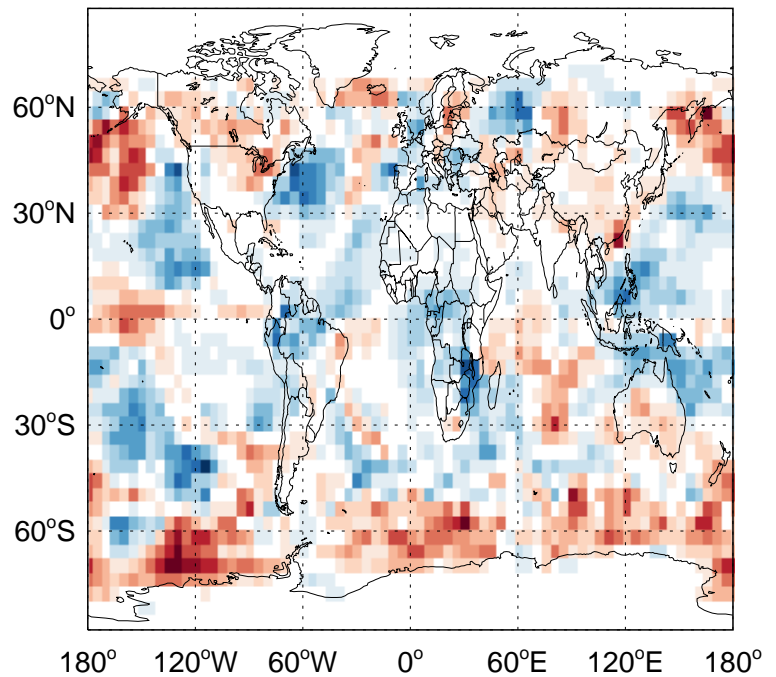
v11-02f-Run1 - v11-02e-Run0

JNO3 - J-Value Diff @ surface for Jan



v11-02f-Run1 - v11-02e-Run0

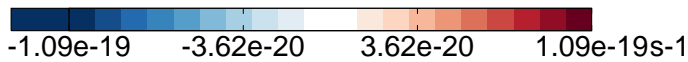
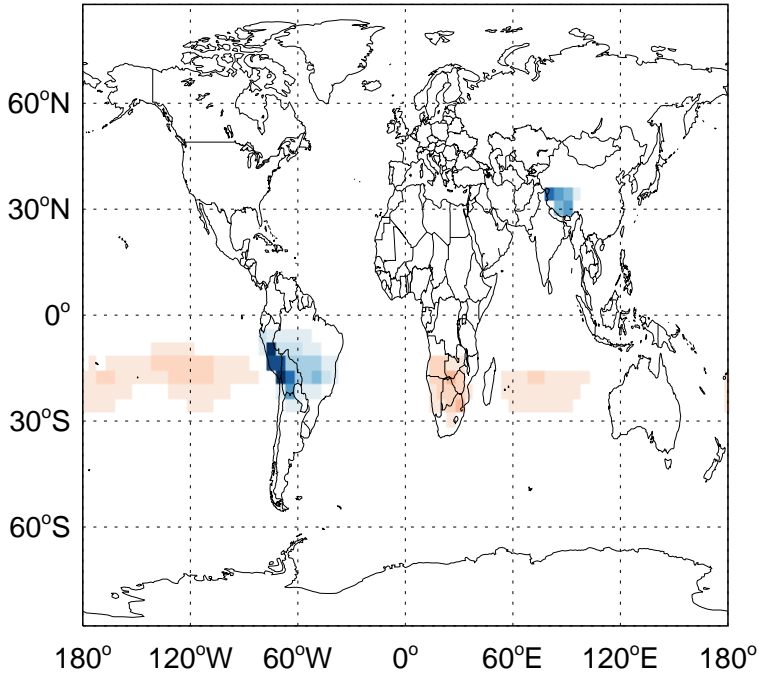
JNO3 - J-Value Diff @ 500 hPa for Jan



GEOS-Chem J-Values at surface and 500 hPa

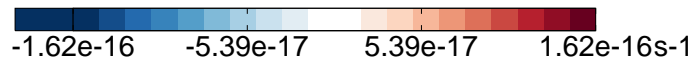
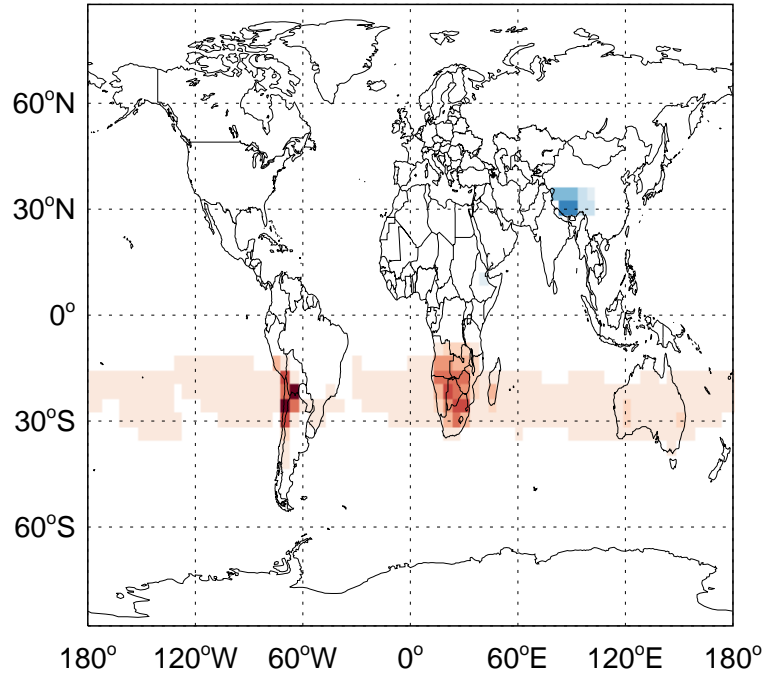
v11-02f-Run1 - v11-02e-Run1

JCFC11 - J-Value Diff @ surface for Jan



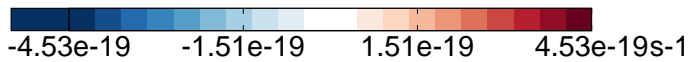
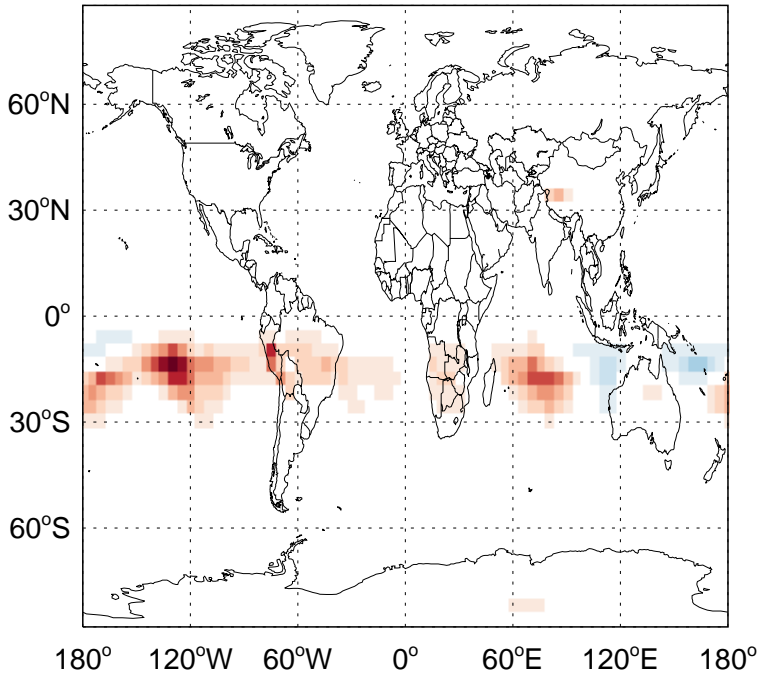
v11-02f-Run1 - v11-02e-Run1

JCFC11 - J-Value Diff @ 500 hPa for Jan



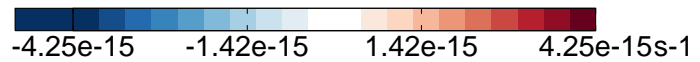
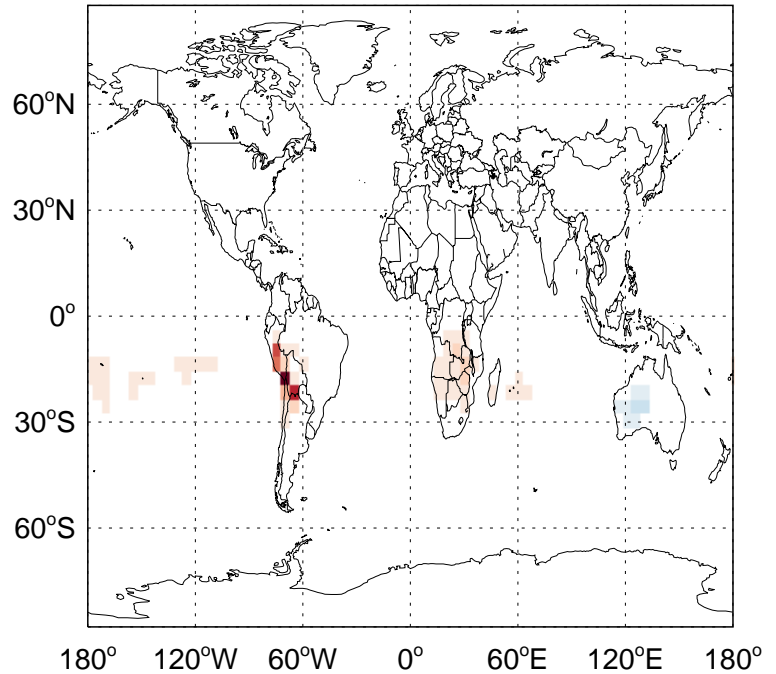
v11-02f-Run1 - v11-02e-Run0

JCFC11 - J-Value Diff @ surface for Jan



v11-02f-Run1 - v11-02e-Run0

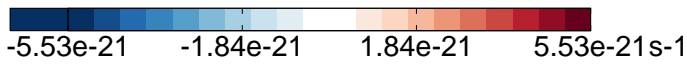
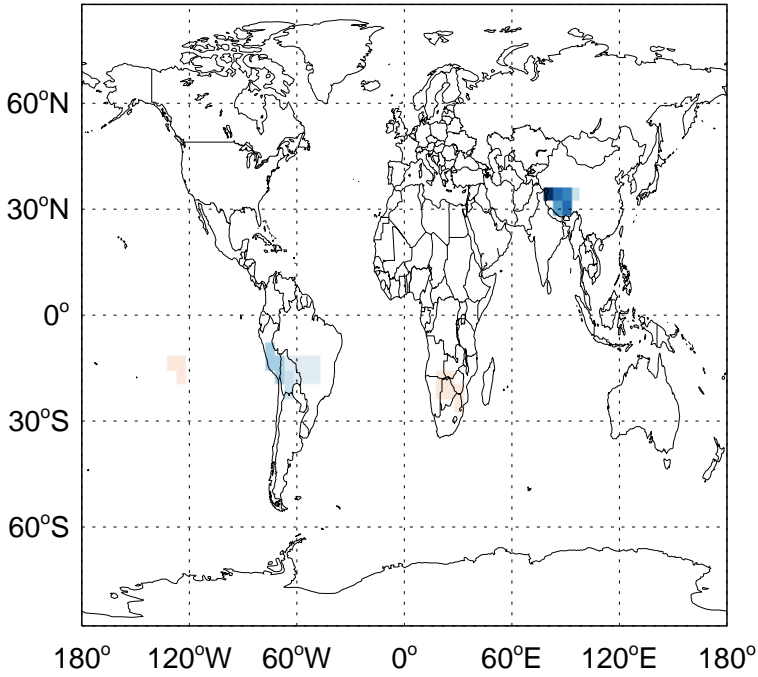
JCFC11 - J-Value Diff @ 500 hPa for Jan



GEOS-Chem J-Values at surface and 500 hPa

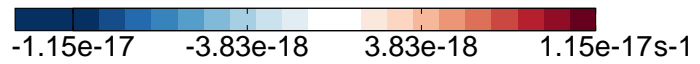
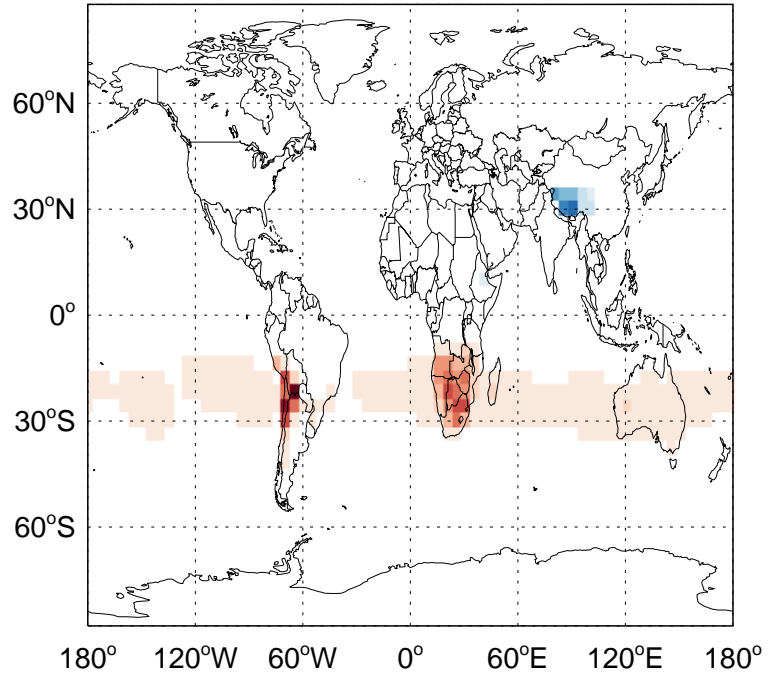
v11-02f-Run1 - v11-02e-Run1

JCFC12 - J-Value Diff @ surface for Jan



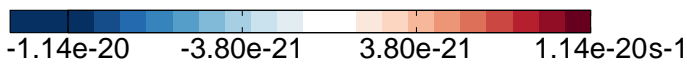
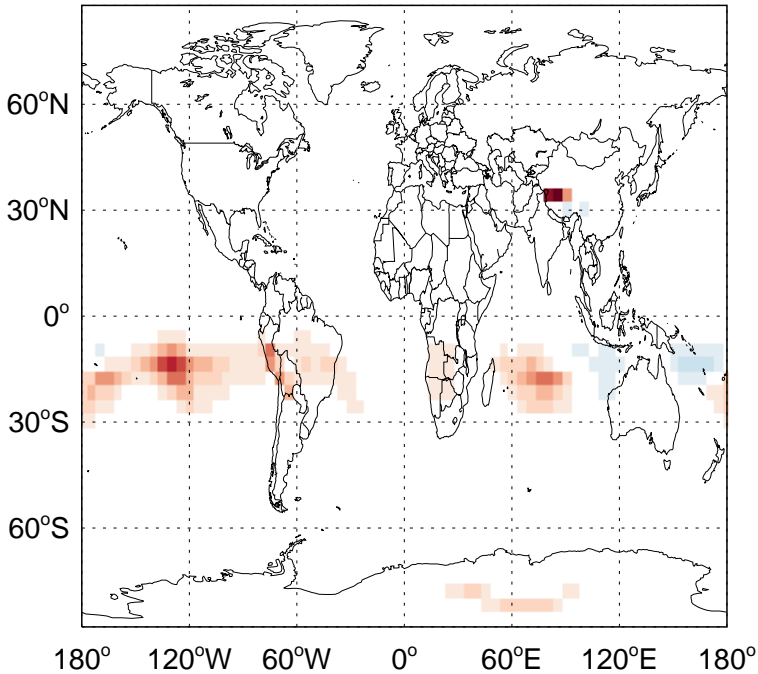
v11-02f-Run1 - v11-02e-Run1

JCFC12 - J-Value Diff @ 500 hPa for Jan



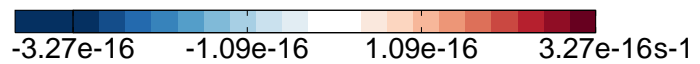
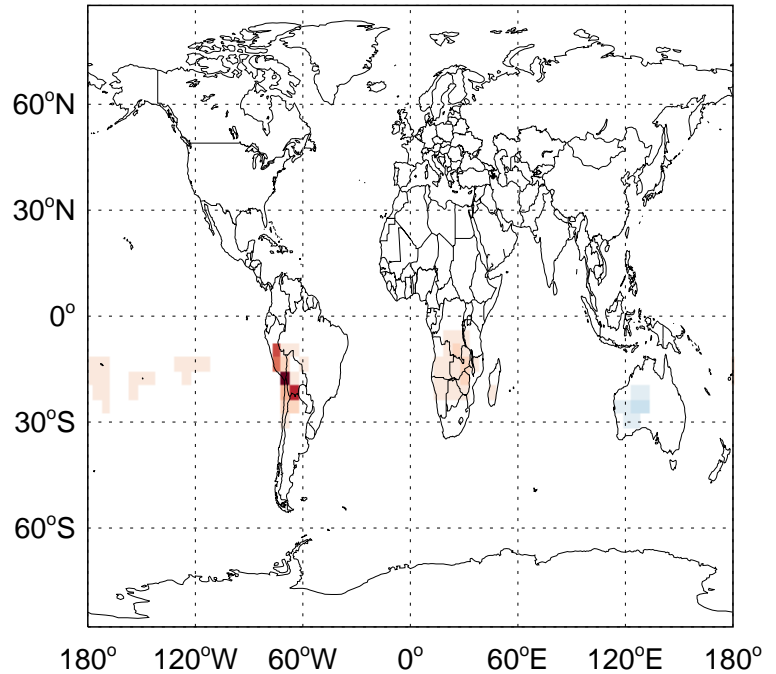
v11-02f-Run1 - v11-02e-Run0

JCFC12 - J-Value Diff @ surface for Jan



v11-02f-Run1 - v11-02e-Run0

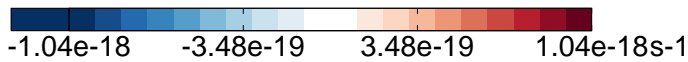
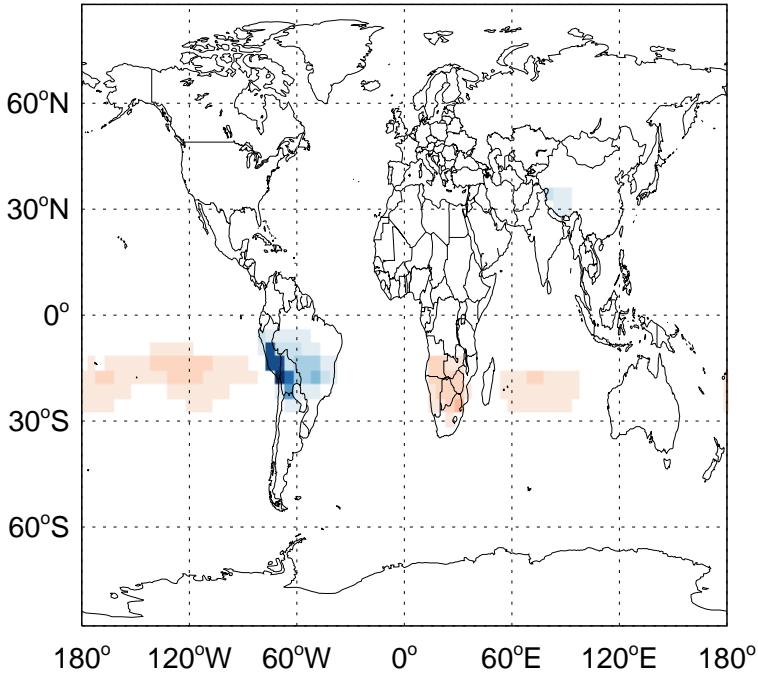
JCFC12 - J-Value Diff @ 500 hPa for Jan



GEOS-Chem J-Values at surface and 500 hPa

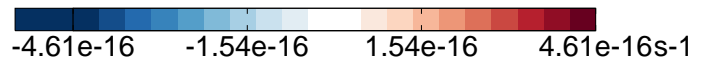
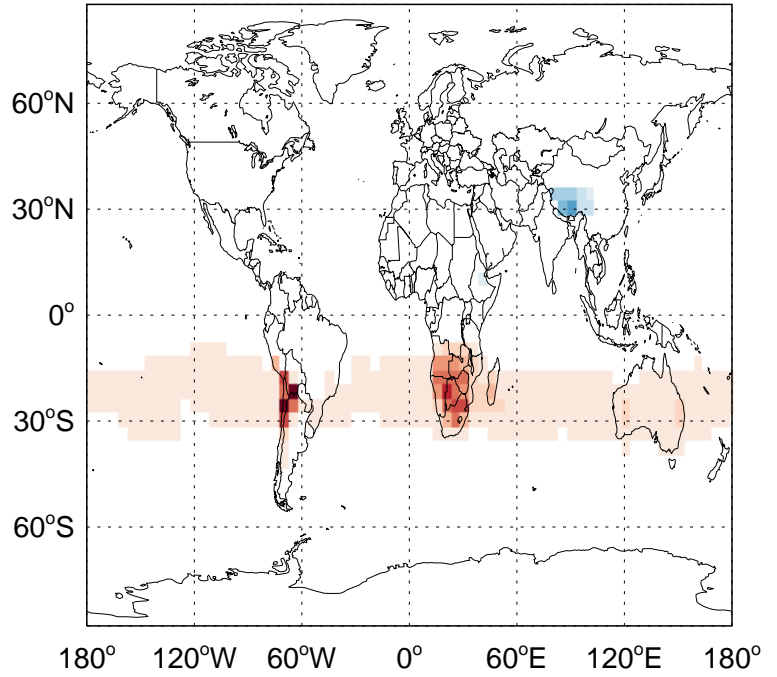
v11-02f-Run1 - v11-02e-Run1

JCCI4 - J-Value Diff @ surface for Jan



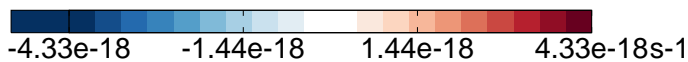
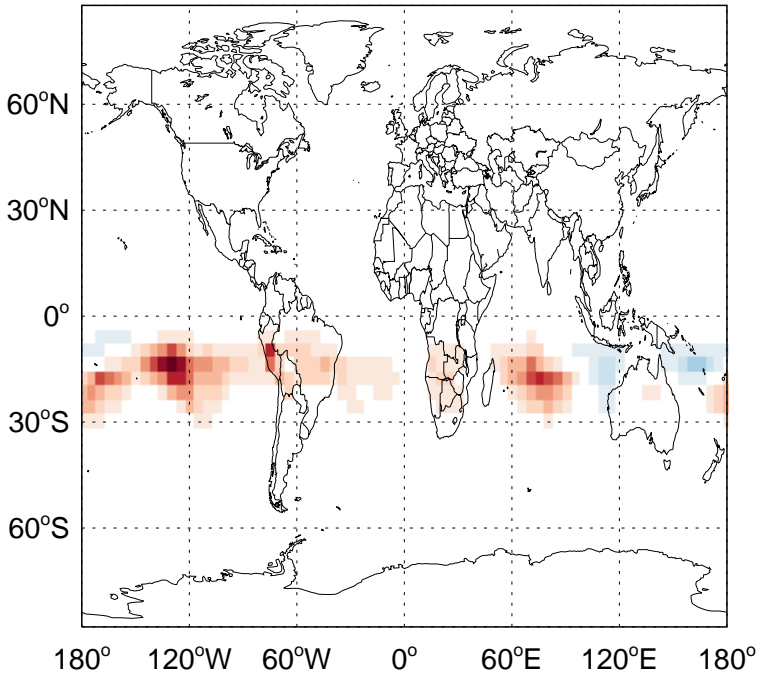
v11-02f-Run1 - v11-02e-Run1

JCCI4 - J-Value Diff @ 500 hPa for Jan



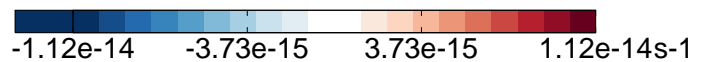
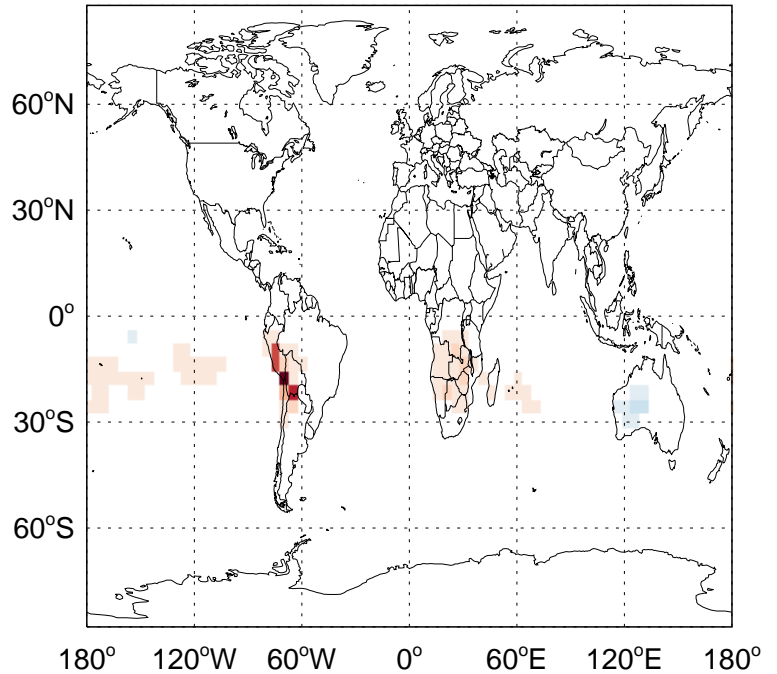
v11-02f-Run1 - v11-02e-Run0

JCCI4 - J-Value Diff @ surface for Jan



v11-02f-Run1 - v11-02e-Run0

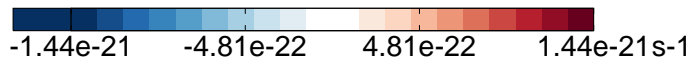
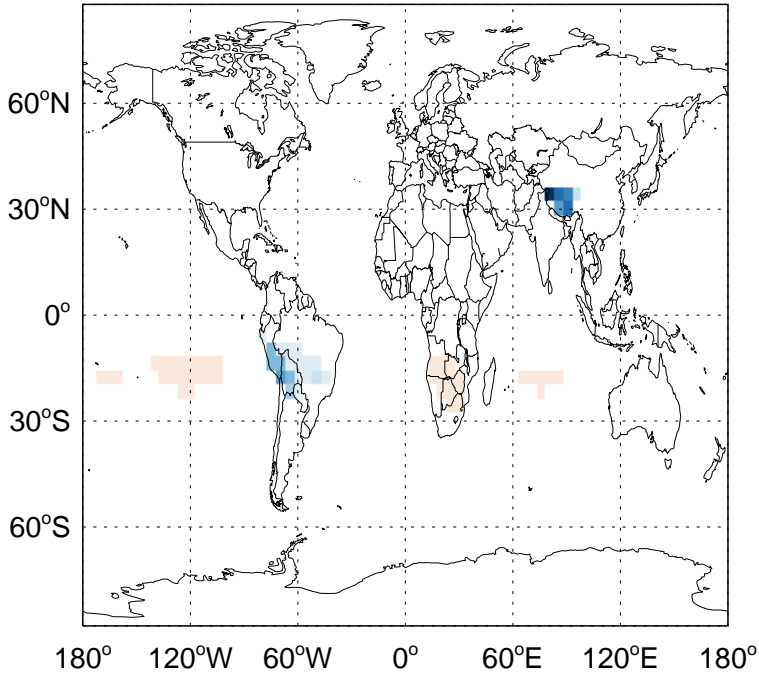
JCCI4 - J-Value Diff @ 500 hPa for Jan



GEOS-Chem J-Values at surface and 500 hPa

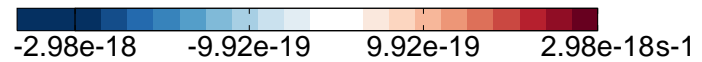
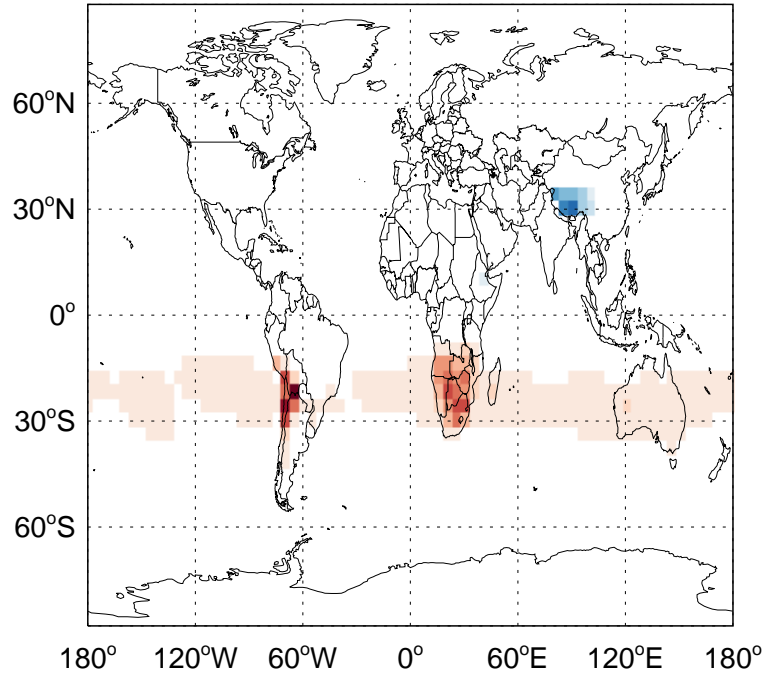
v11-02f-Run1 - v11-02e-Run1

JCH3Cl - J-Value Diff @ surface for Jan



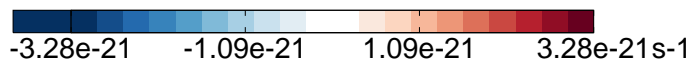
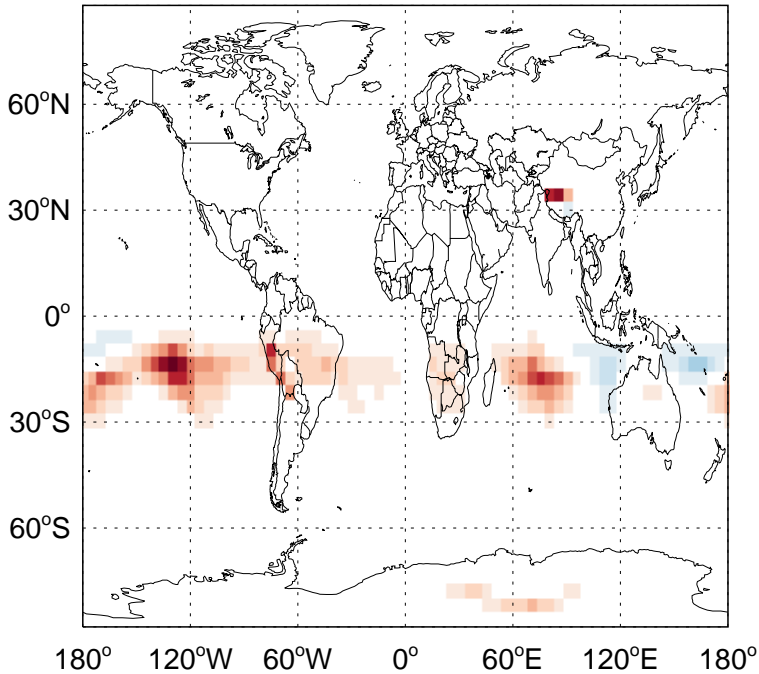
v11-02f-Run1 - v11-02e-Run1

JCH3Cl - J-Value Diff @ 500 hPa for Jan



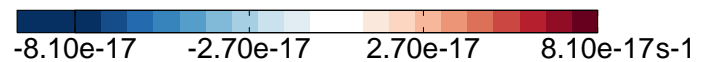
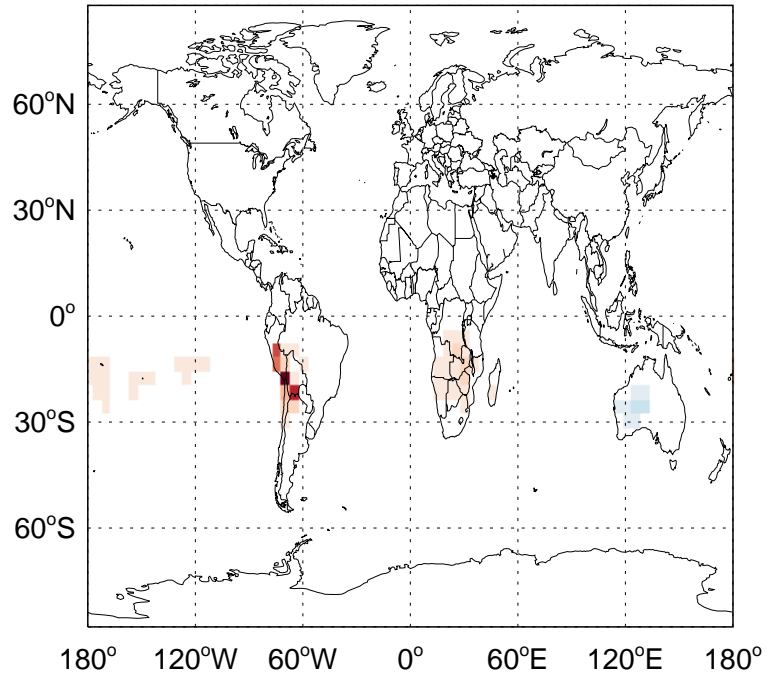
v11-02f-Run1 - v11-02e-Run0

JCH3Cl - J-Value Diff @ surface for Jan



v11-02f-Run1 - v11-02e-Run0

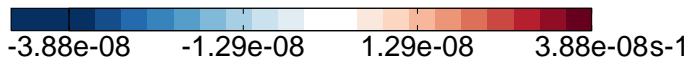
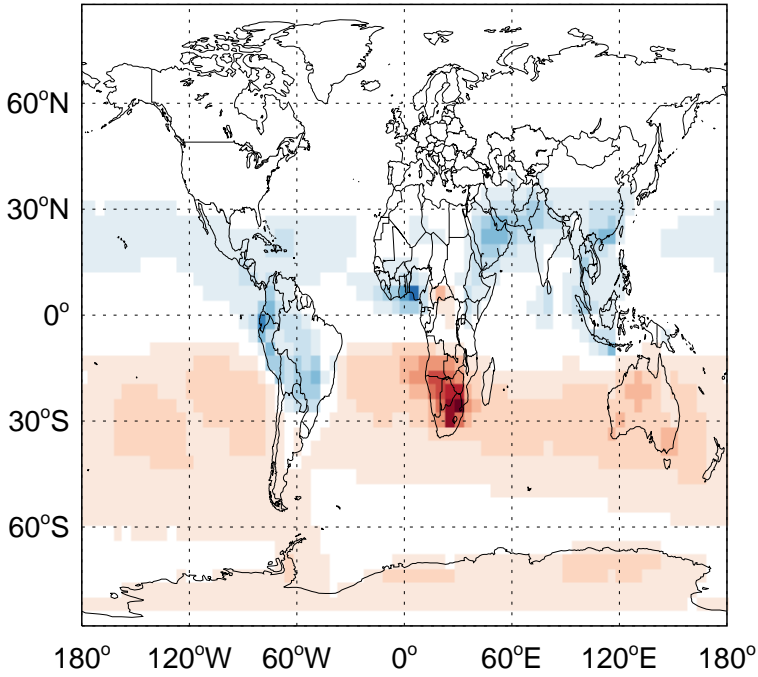
JCH3Cl - J-Value Diff @ 500 hPa for Jan



GEOS-Chem J-Values at surface and 500 hPa

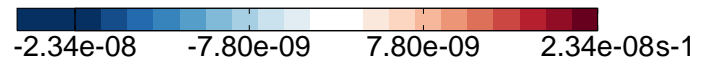
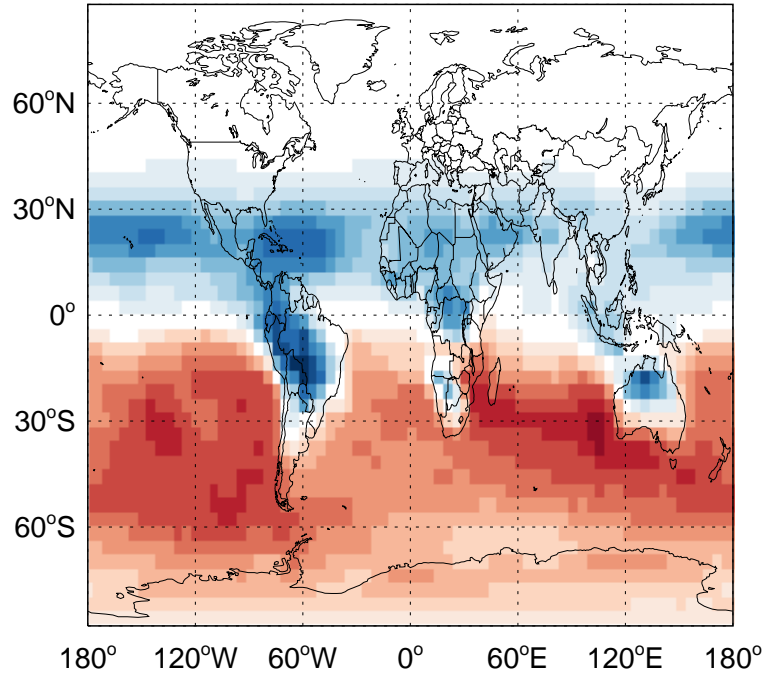
v11-02f-Run1 - v11-02e-Run1

JACET - J-Value Diff @ surface for Jan



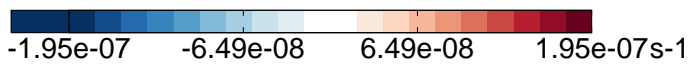
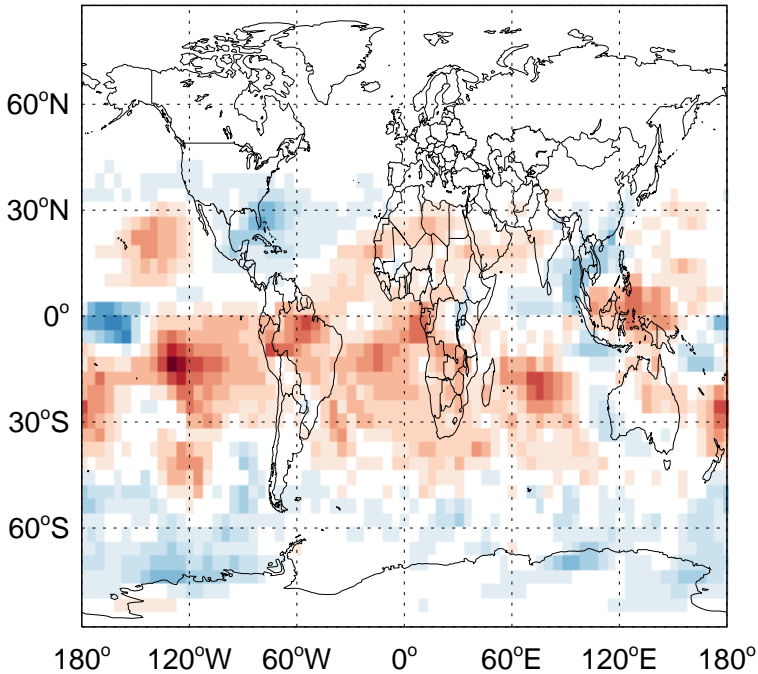
v11-02f-Run1 - v11-02e-Run1

JACET - J-Value Diff @ 500 hPa for Jan



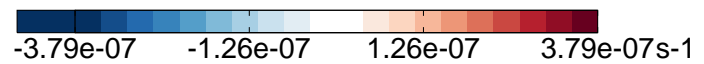
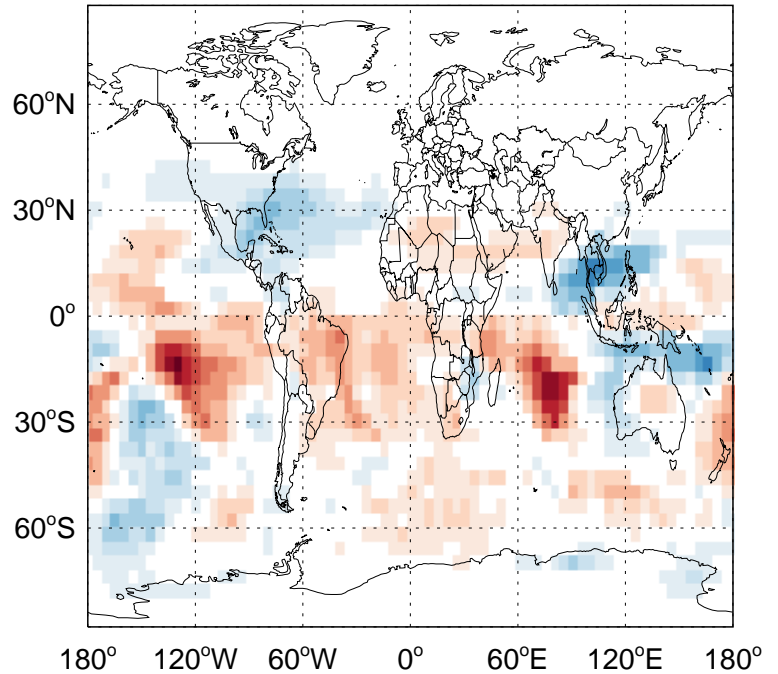
v11-02f-Run1 - v11-02e-Run0

JACET - J-Value Diff @ surface for Jan



v11-02f-Run1 - v11-02e-Run0

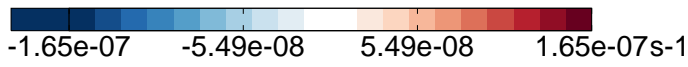
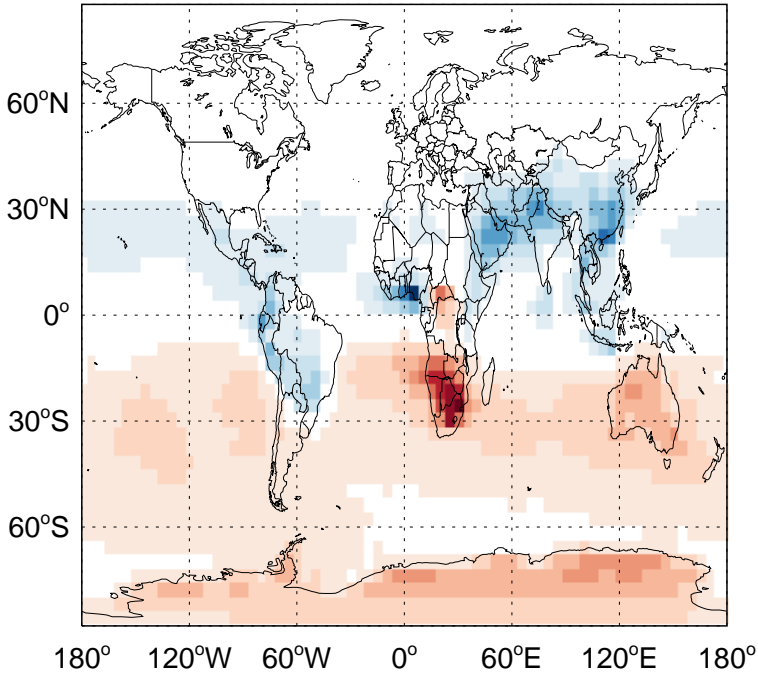
JACET - J-Value Diff @ 500 hPa for Jan



GEOS-Chem J-Values at surface and 500 hPa

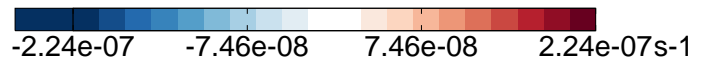
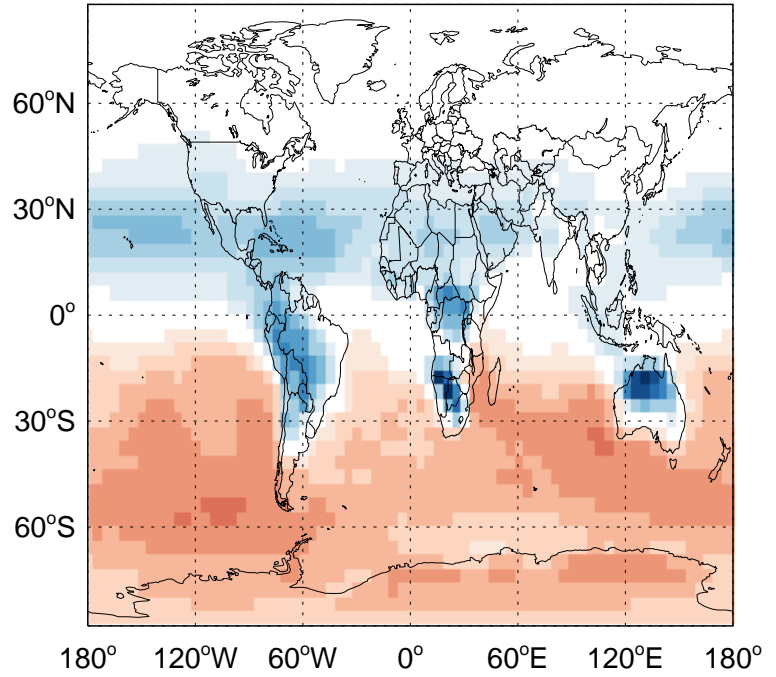
v11-02f-Run1 - v11-02e-Run1

JALD2 - J-Value Diff @ surface for Jan



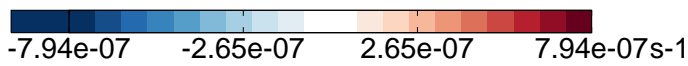
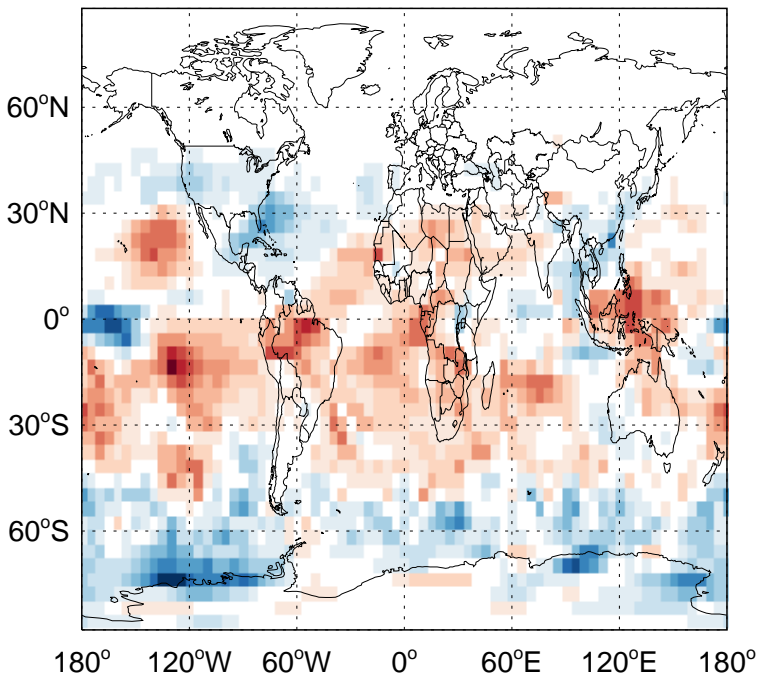
v11-02f-Run1 - v11-02e-Run1

JALD2 - J-Value Diff @ 500 hPa for Jan



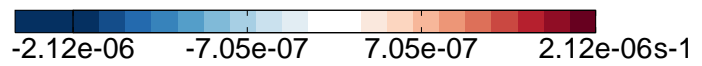
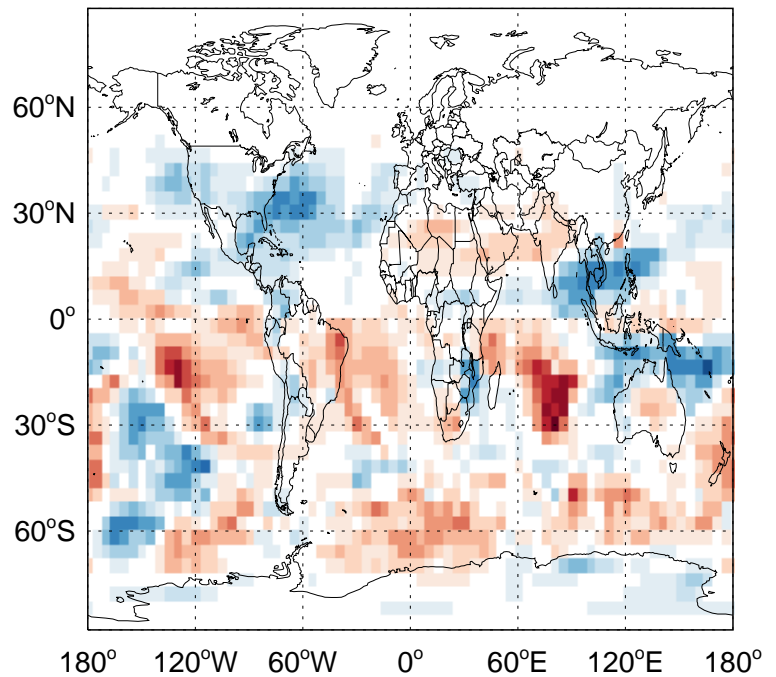
v11-02f-Run1 - v11-02e-Run0

JALD2 - J-Value Diff @ surface for Jan



v11-02f-Run1 - v11-02e-Run0

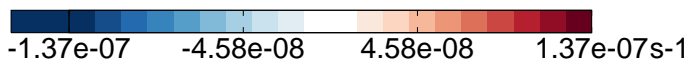
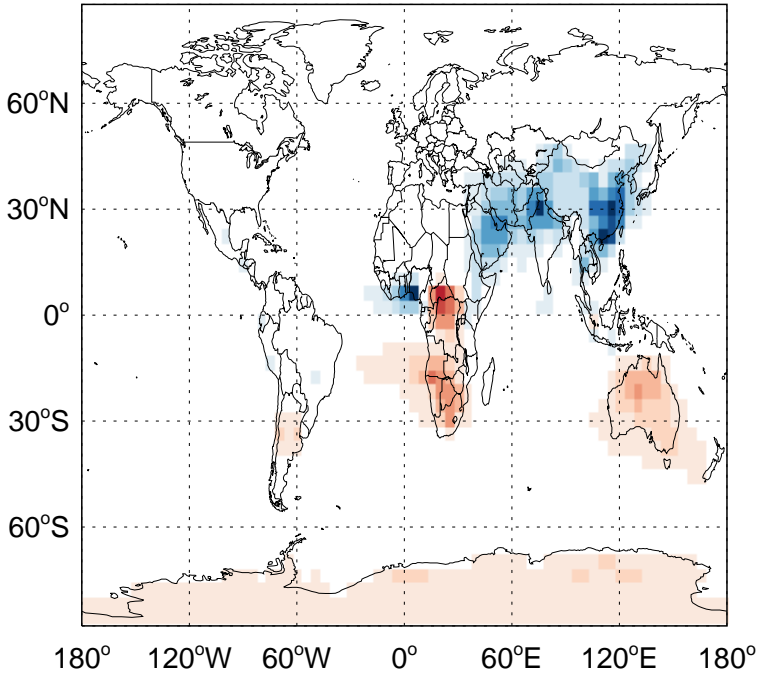
JALD2 - J-Value Diff @ 500 hPa for Jan



GEOS-Chem J-Values at surface and 500 hPa

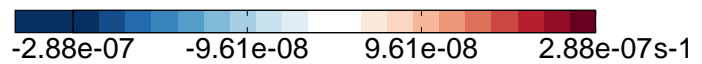
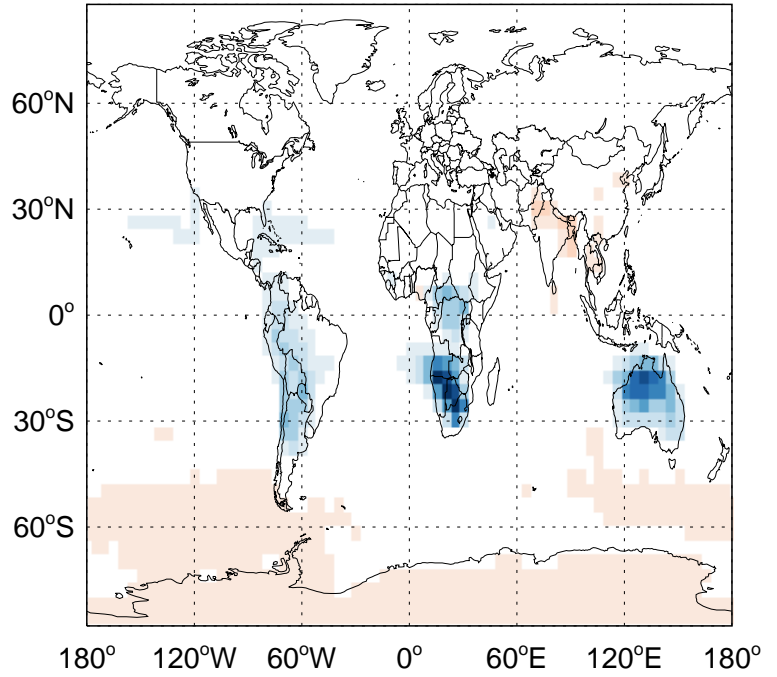
v11-02f-Run1 - v11-02e-Run1

JMVK - J-Value Diff @ surface for Jan



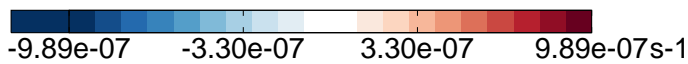
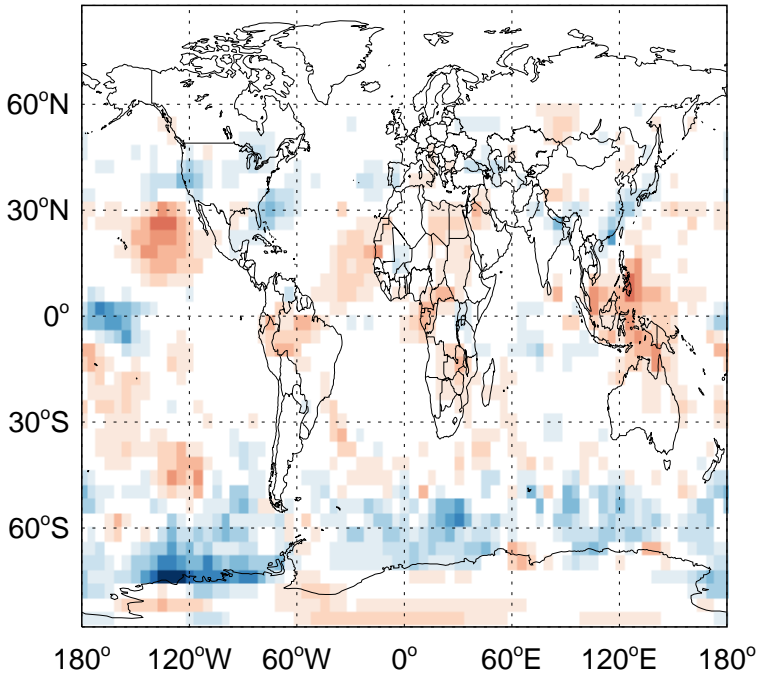
v11-02f-Run1 - v11-02e-Run1

JMVK - J-Value Diff @ 500 hPa for Jan



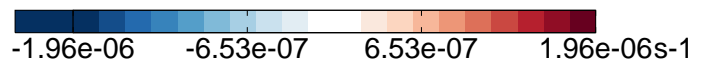
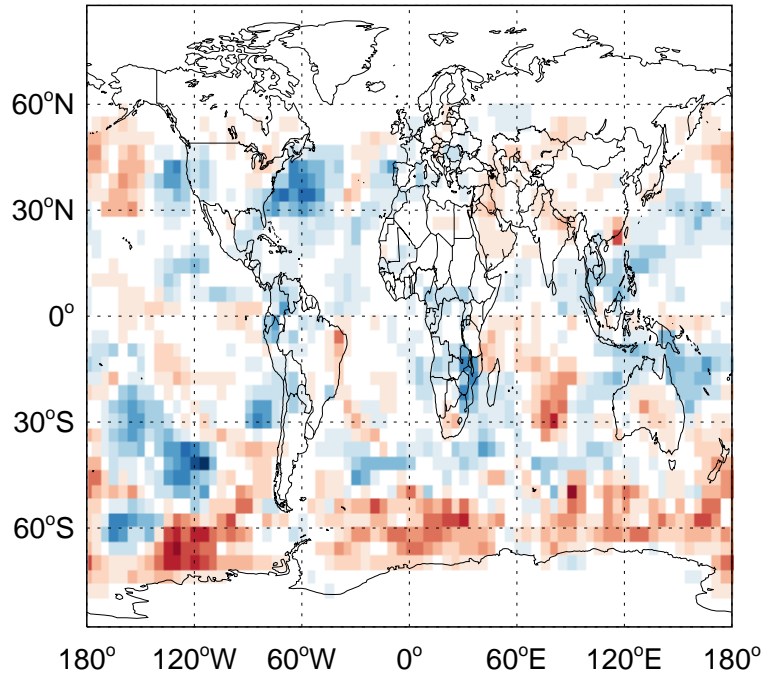
v11-02f-Run1 - v11-02e-Run0

JMVK - J-Value Diff @ surface for Jan



v11-02f-Run1 - v11-02e-Run0

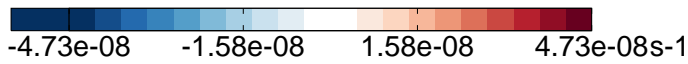
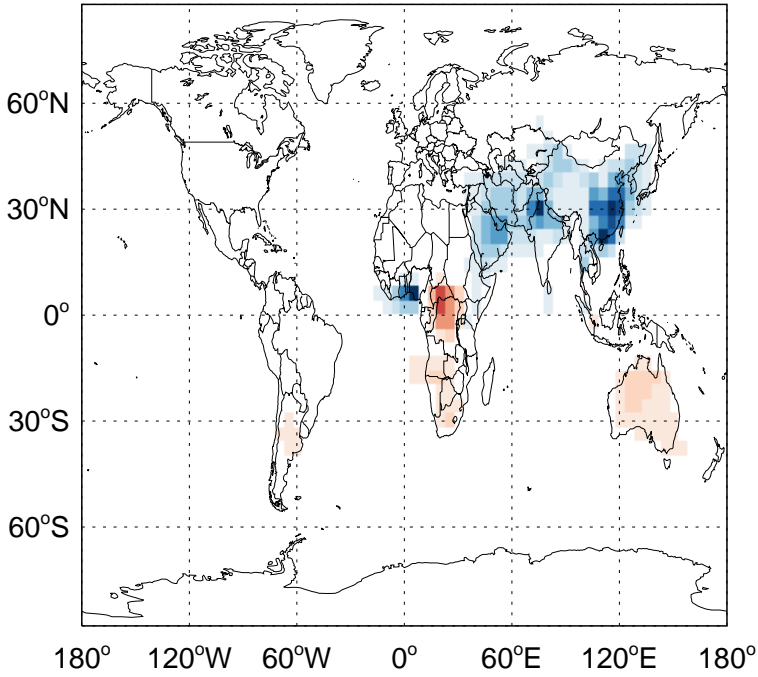
JMVK - J-Value Diff @ 500 hPa for Jan



GEOS-Chem J-Values at surface and 500 hPa

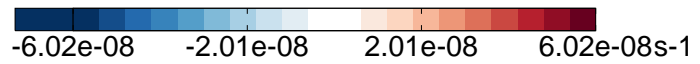
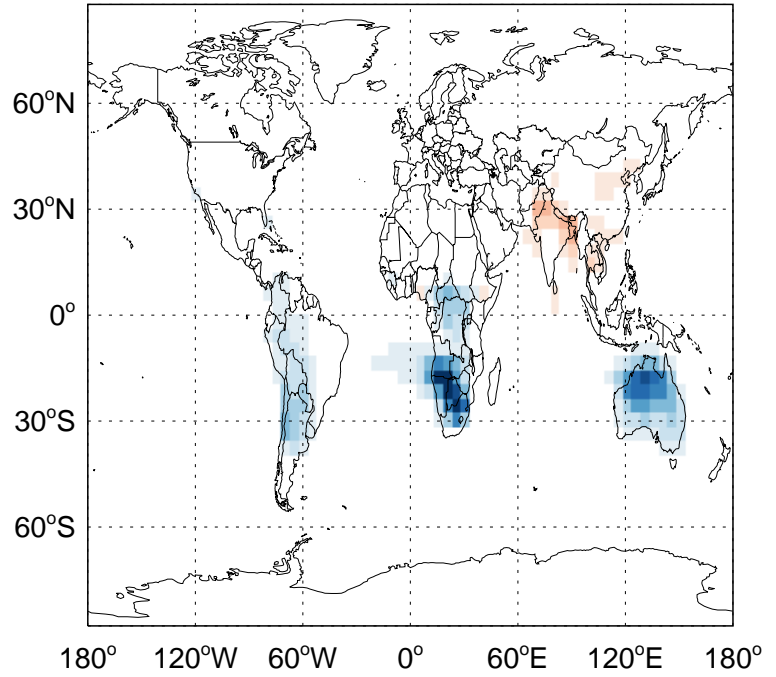
v11-02f-Run1 - v11-02e-Run1

JMACR - J-Value Diff @ surface for Jan



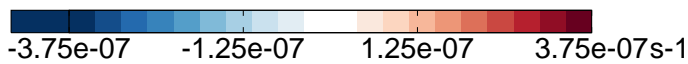
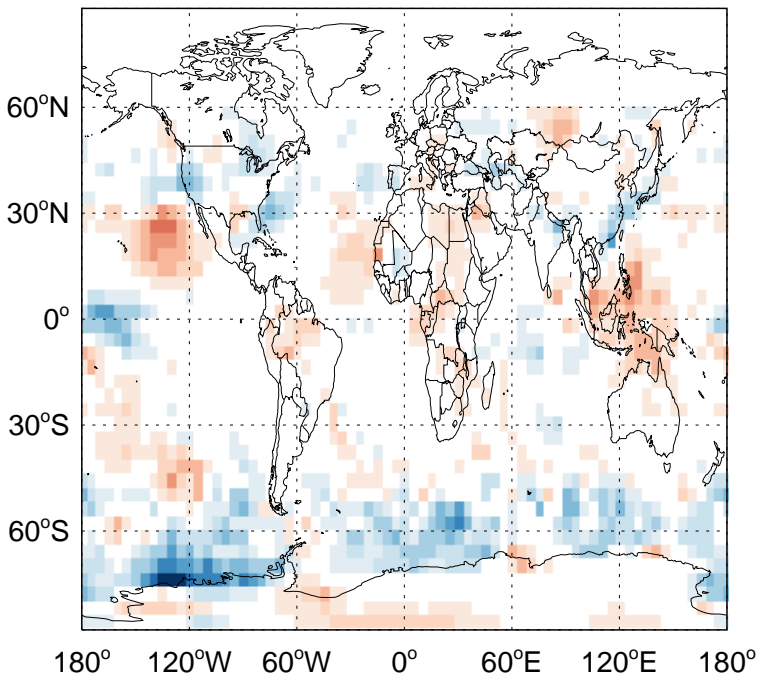
v11-02f-Run1 - v11-02e-Run1

JMACR - J-Value Diff @ 500 hPa for Jan



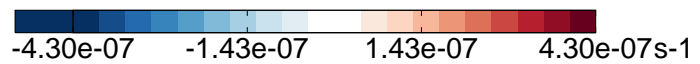
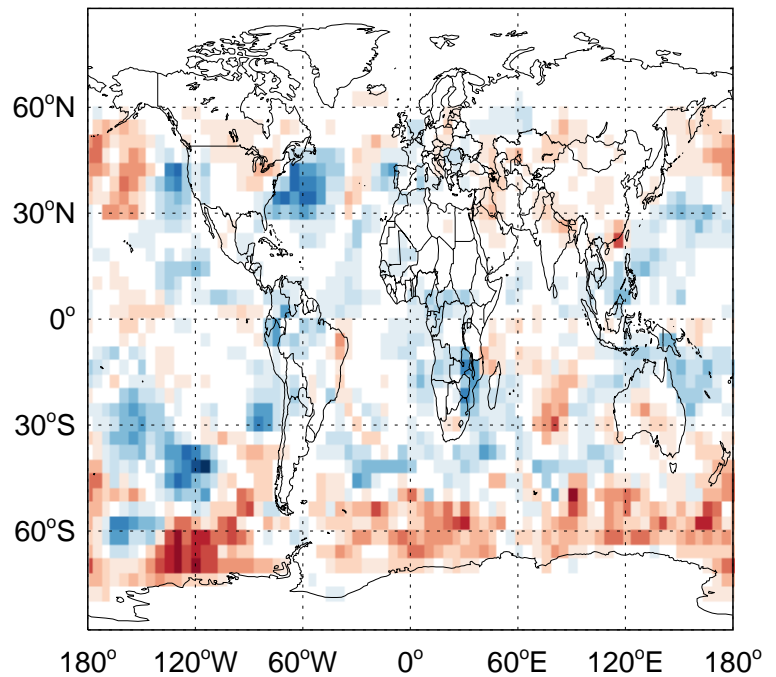
v11-02f-Run1 - v11-02e-Run0

JMACR - J-Value Diff @ surface for Jan



v11-02f-Run1 - v11-02e-Run0

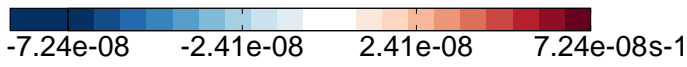
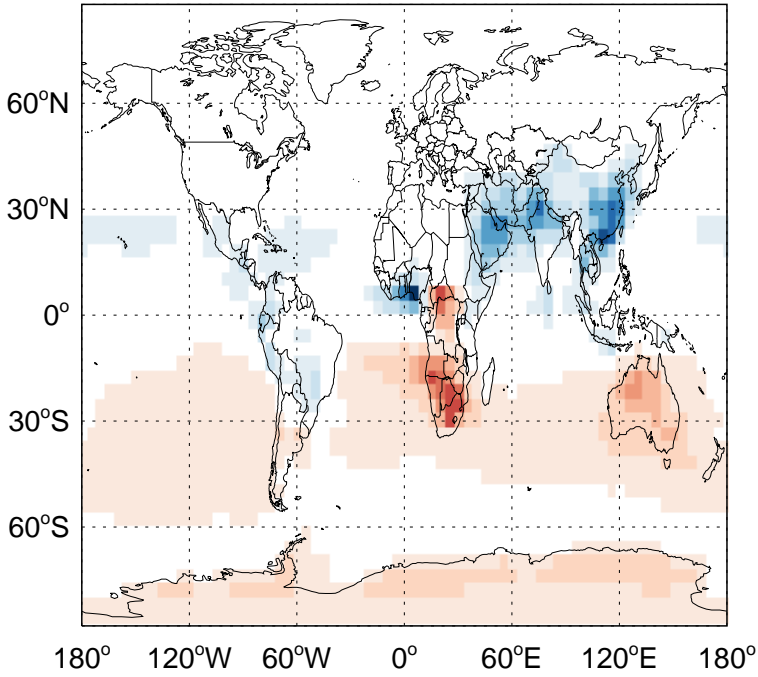
JMACR - J-Value Diff @ 500 hPa for Jan



GEOS-Chem J-Values at surface and 500 hPa

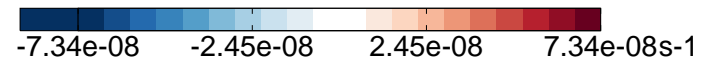
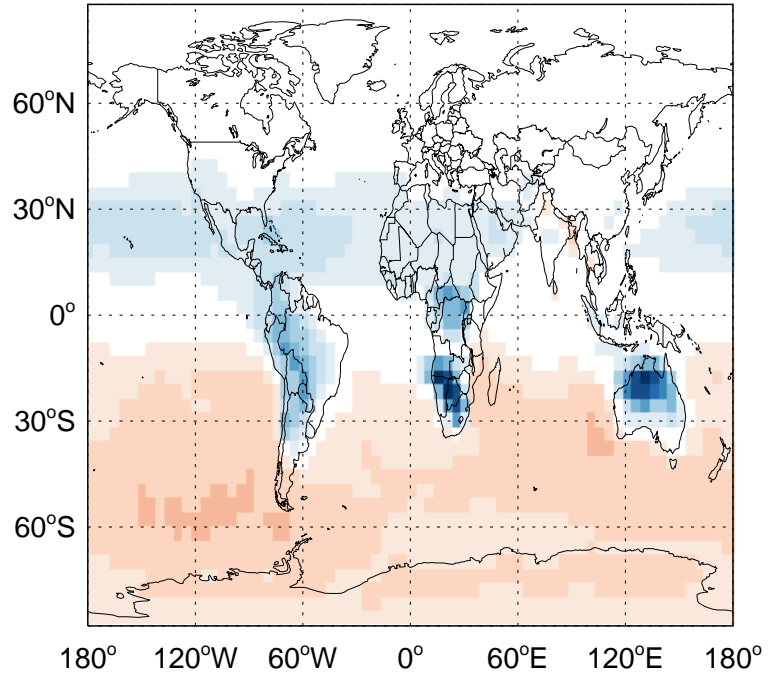
v11-02f-Run1 - v11-02e-Run1

JHAC - J-Value Diff @ surface for Jan



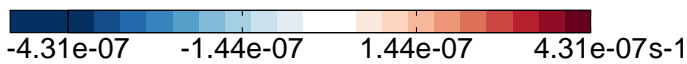
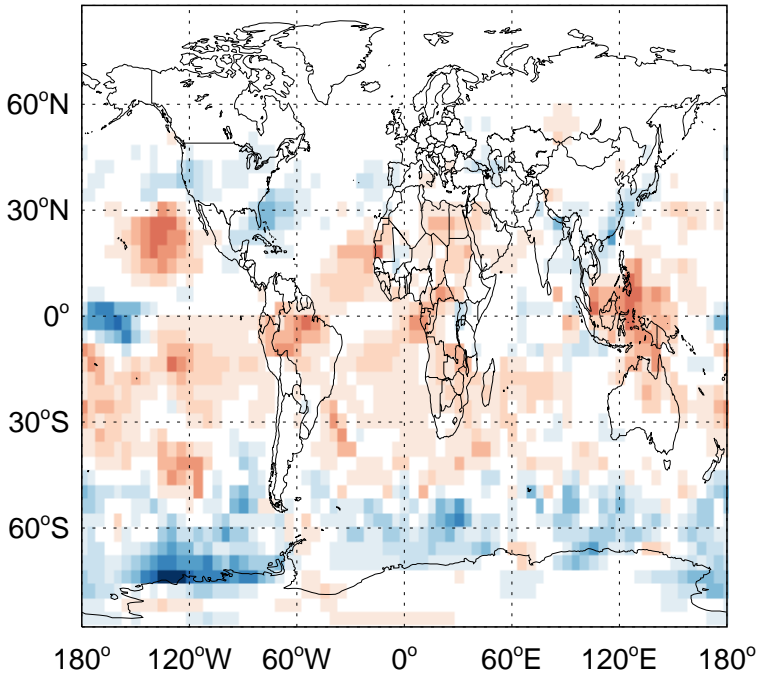
v11-02f-Run1 - v11-02e-Run1

JHAC - J-Value Diff @ 500 hPa for Jan



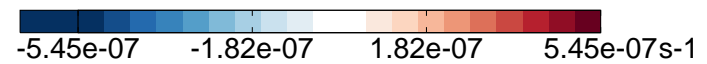
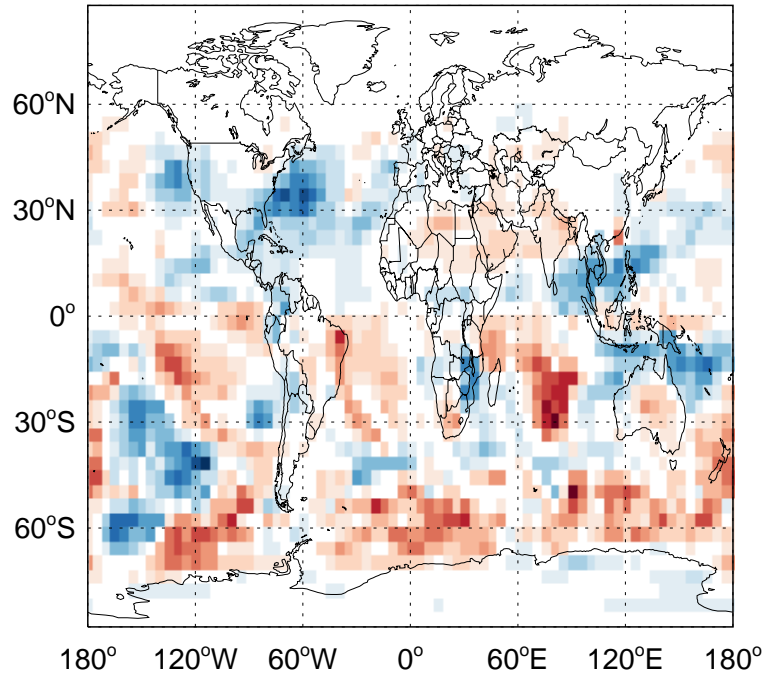
v11-02f-Run1 - v11-02e-Run0

JHAC - J-Value Diff @ surface for Jan



v11-02f-Run1 - v11-02e-Run0

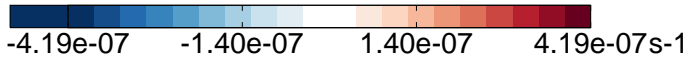
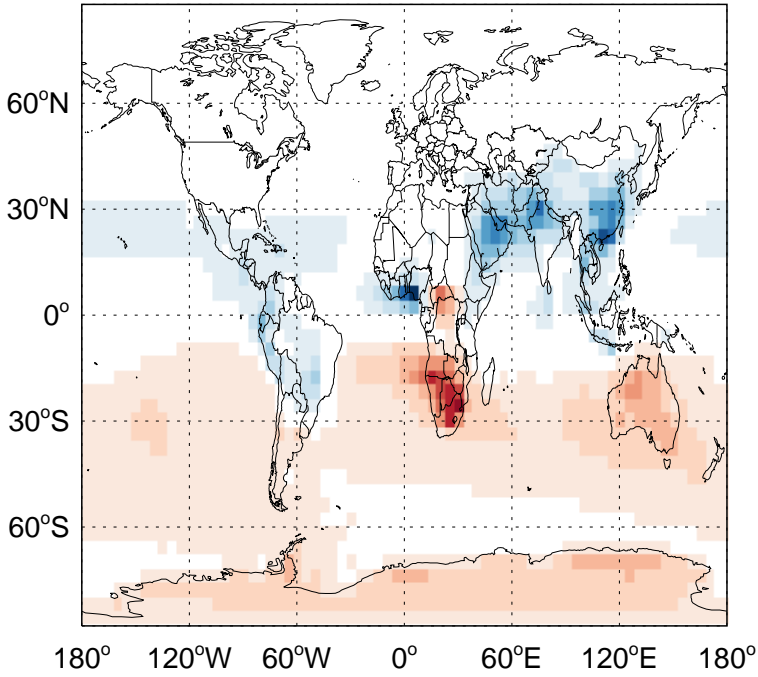
JHAC - J-Value Diff @ 500 hPa for Jan



GEOS-Chem J-Values at surface and 500 hPa

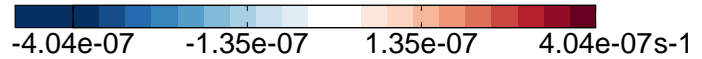
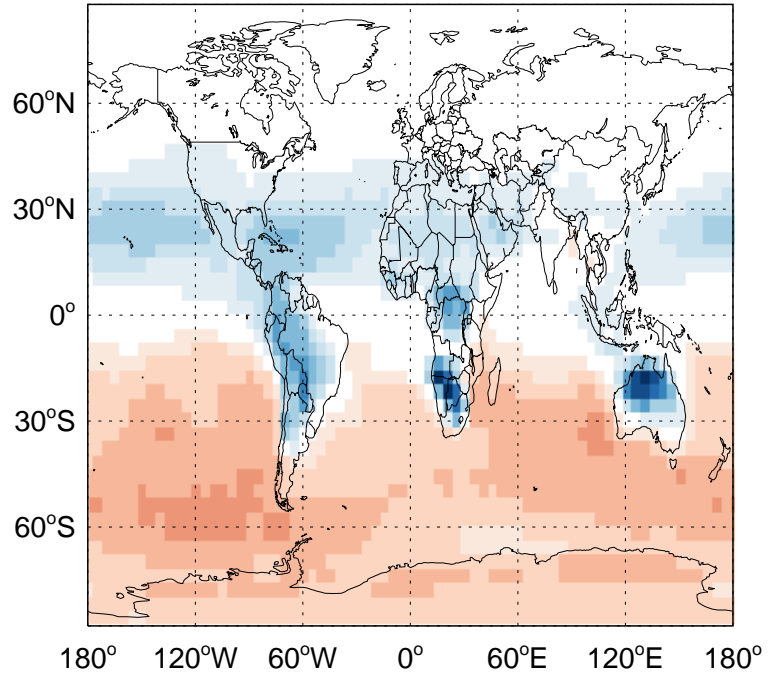
v11-02f-Run1 - v11-02e-Run1

JGLYC - J-Value Diff @ surface for Jan



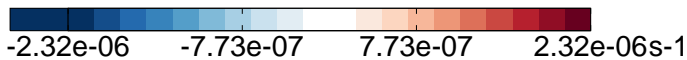
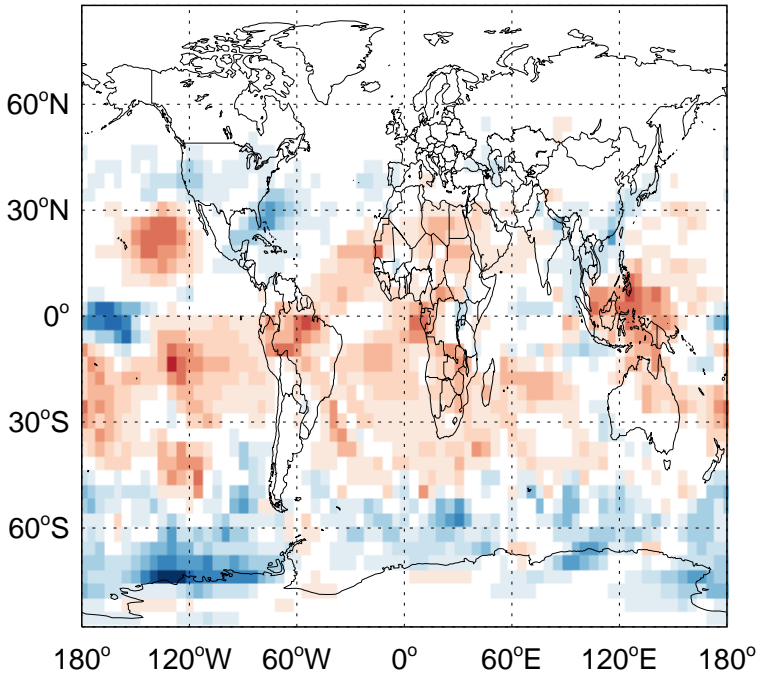
v11-02f-Run1 - v11-02e-Run1

JGLYC - J-Value Diff @ 500 hPa for Jan



v11-02f-Run1 - v11-02e-Run0

JGLYC - J-Value Diff @ surface for Jan



v11-02f-Run1 - v11-02e-Run0

JGLYC - J-Value Diff @ 500 hPa for Jan

