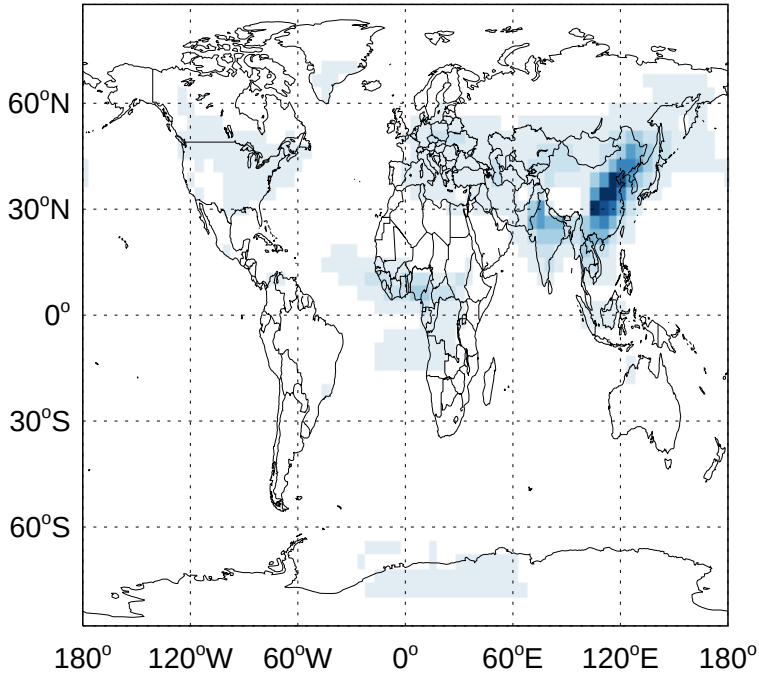


GEOS-Chem J-Values at surface and 500 hPa

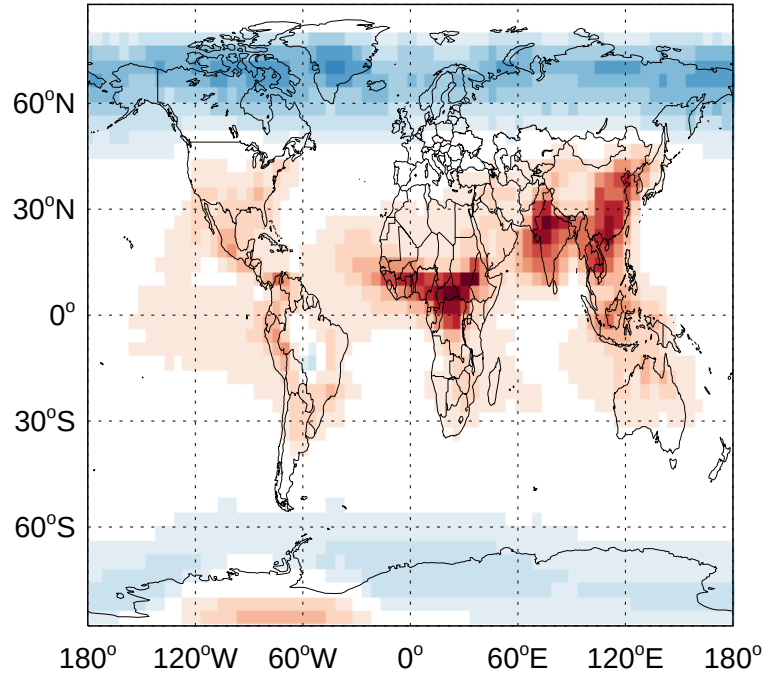
v11-02e-Run0 - v11-02d-Run1

JNO2 - J-Value Diff @ surface for Oct



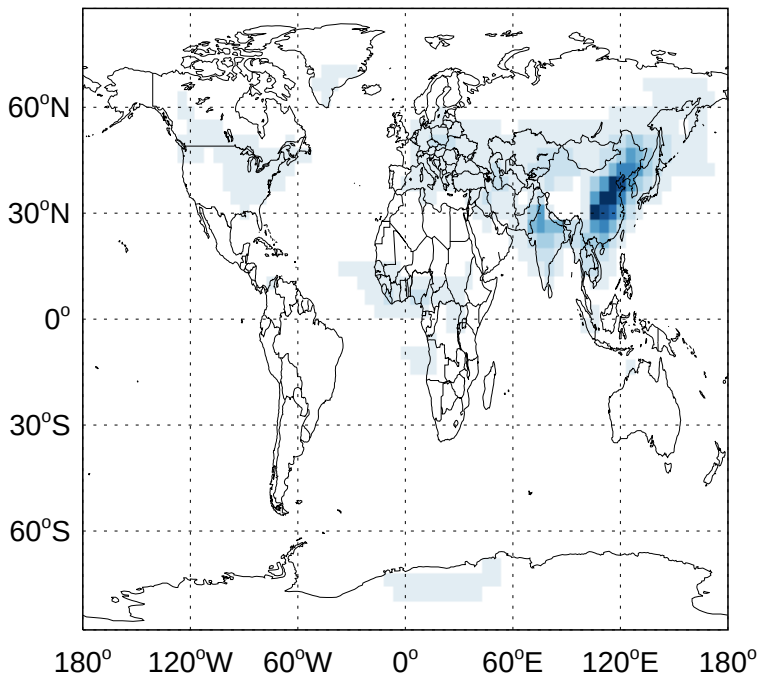
v11-02e-Run0 - v11-02d-Run1

JNO2 - J-Value Diff @ 500 hPa for Oct



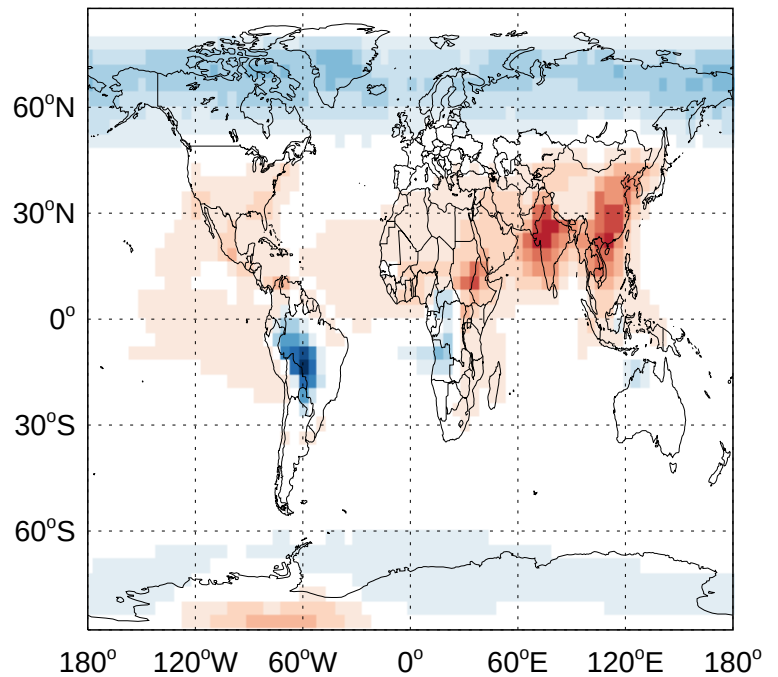
v11-02e-Run0 - v11-02c-Run0

JNO2 - J-Value Diff @ surface for Oct



v11-02e-Run0 - v11-02c-Run0

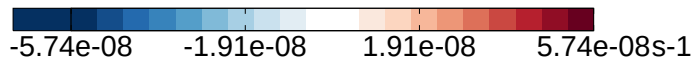
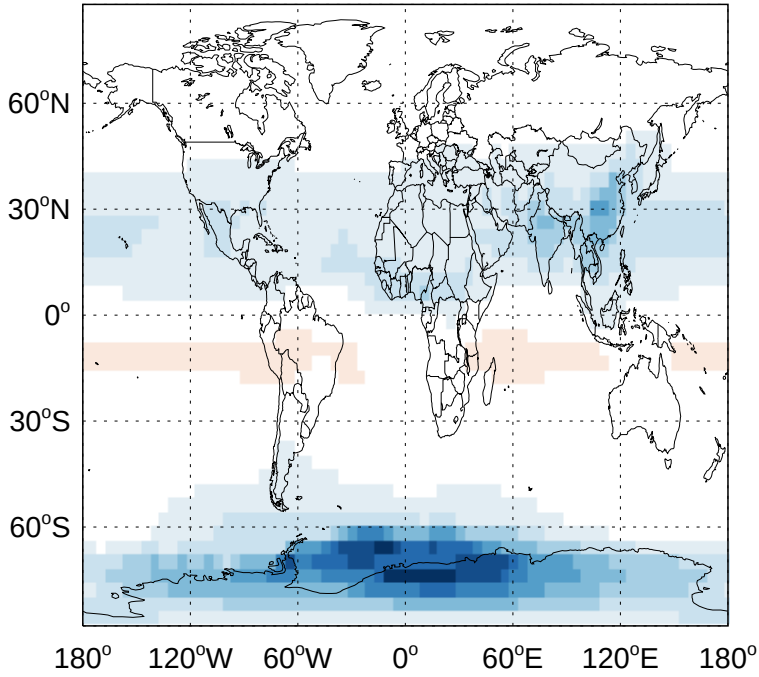
JNO2 - J-Value Diff @ 500 hPa for Oct



GEOS-Chem J-Values at surface and 500 hPa

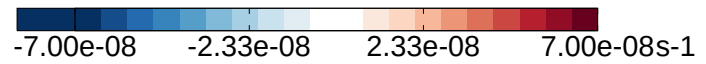
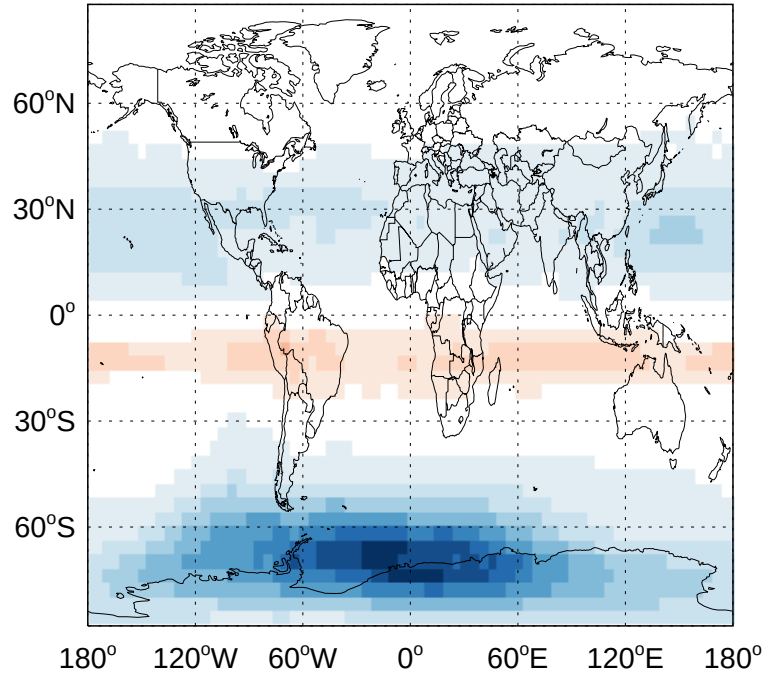
v11-02e-Run0 - v11-02d-Run1

JHNO3 - J-Value Diff @ surface for Oct



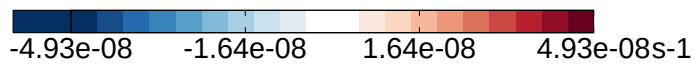
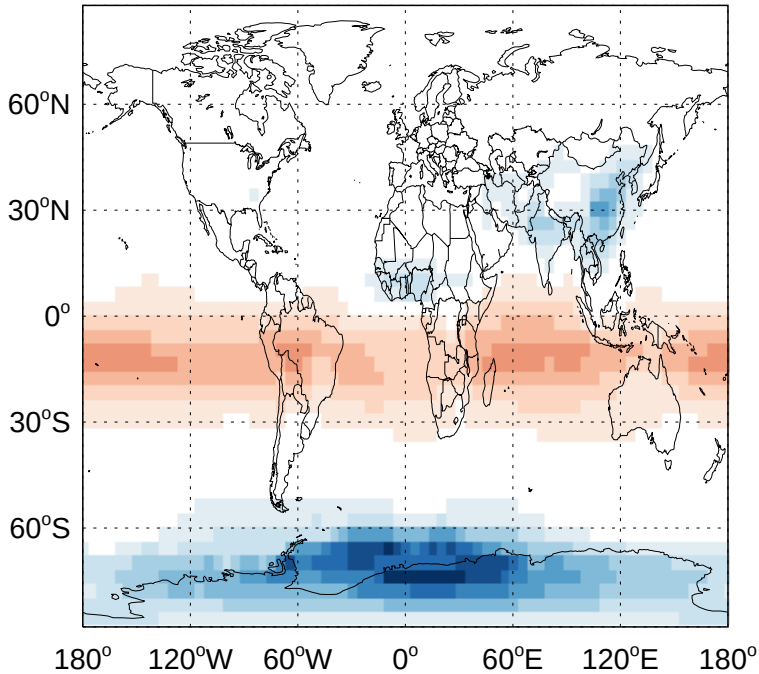
v11-02e-Run0 - v11-02d-Run1

JHNO3 - J-Value Diff @ 500 hPa for Oct



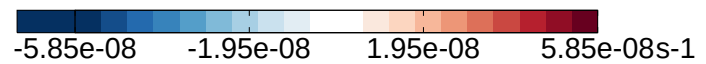
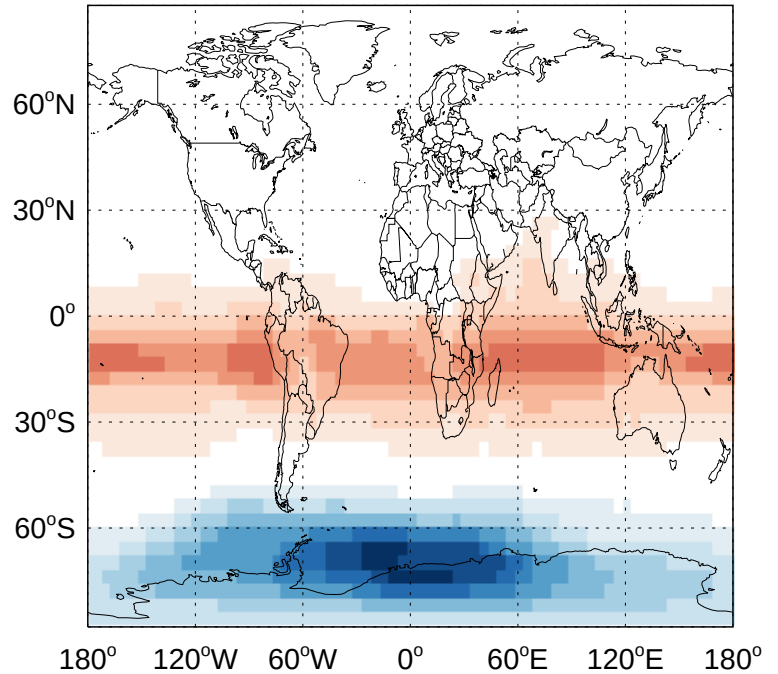
v11-02e-Run0 - v11-02c-Run0

JHNO3 - J-Value Diff @ surface for Oct



v11-02e-Run0 - v11-02c-Run0

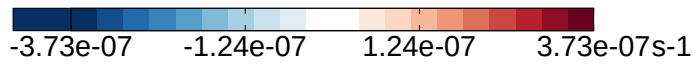
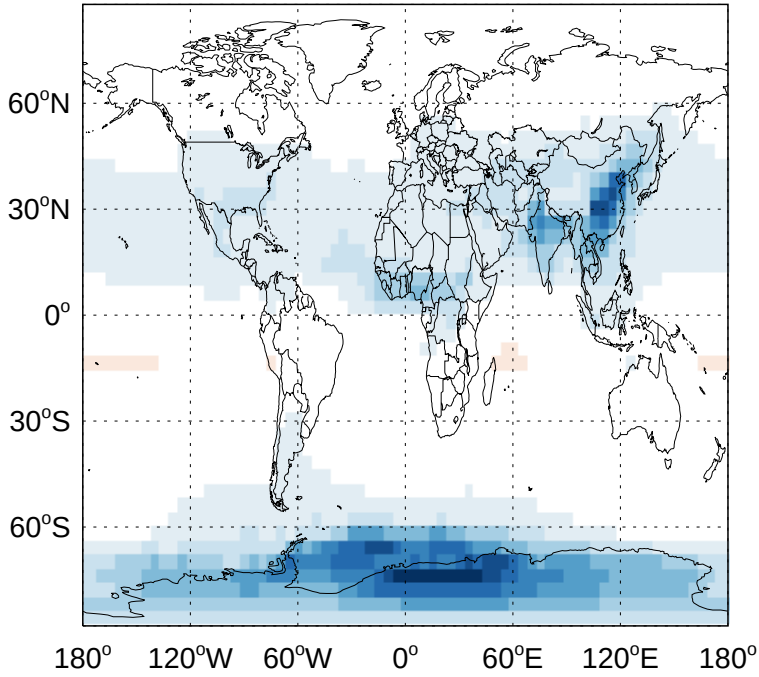
JHNO3 - J-Value Diff @ 500 hPa for Oct



GEOS-Chem J-Values at surface and 500 hPa

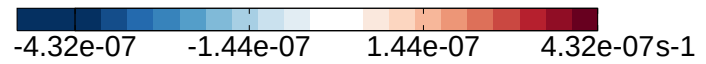
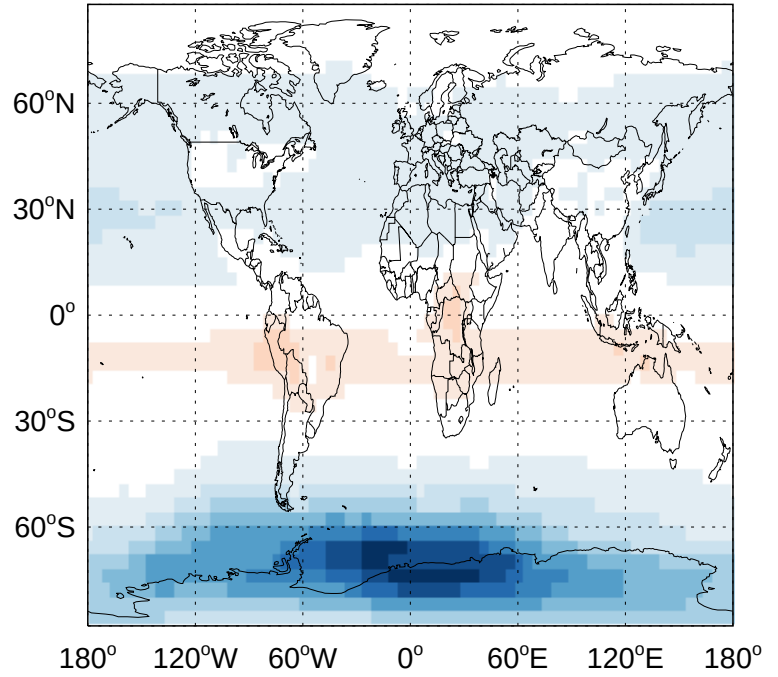
v11-02e-Run0 - v11-02d-Run1

JH2O2 - J-Value Diff @ surface for Oct



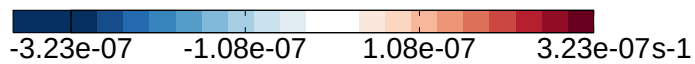
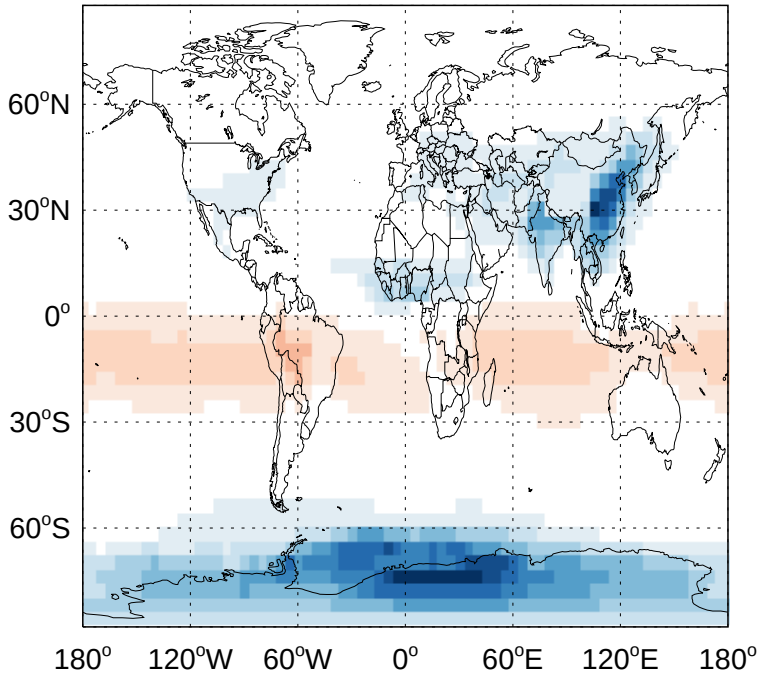
v11-02e-Run0 - v11-02d-Run1

JH2O2 - J-Value Diff @ 500 hPa for Oct



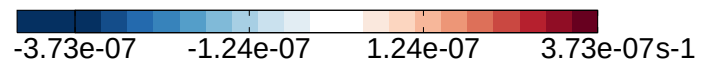
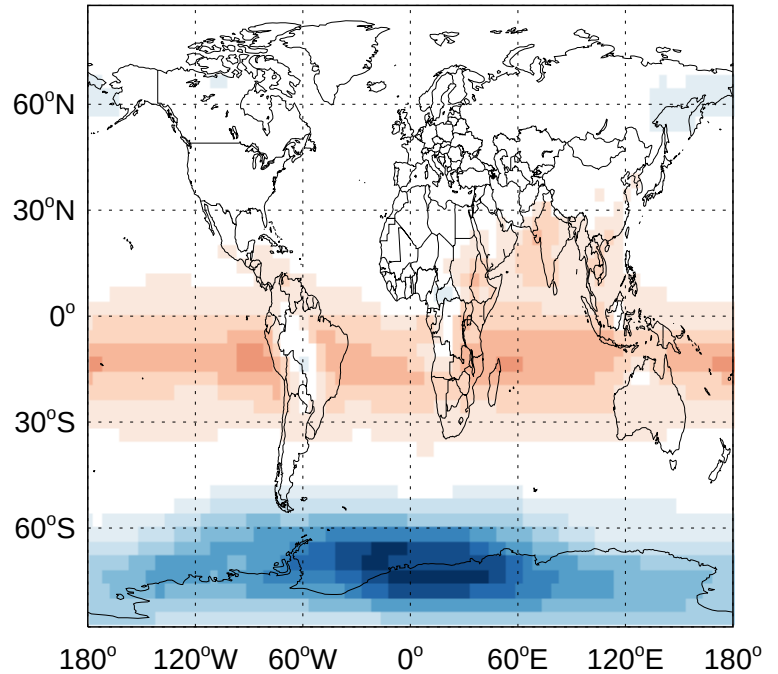
v11-02e-Run0 - v11-02c-Run0

JH2O2 - J-Value Diff @ surface for Oct



v11-02e-Run0 - v11-02c-Run0

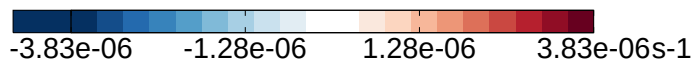
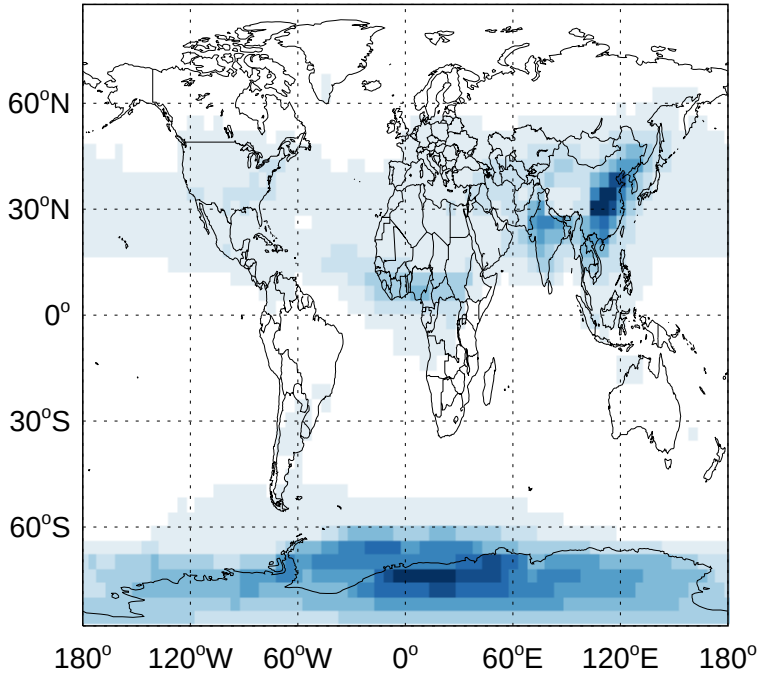
JH2O2 - J-Value Diff @ 500 hPa for Oct



GEOS-Chem J-Values at surface and 500 hPa

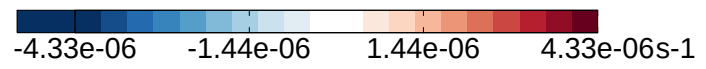
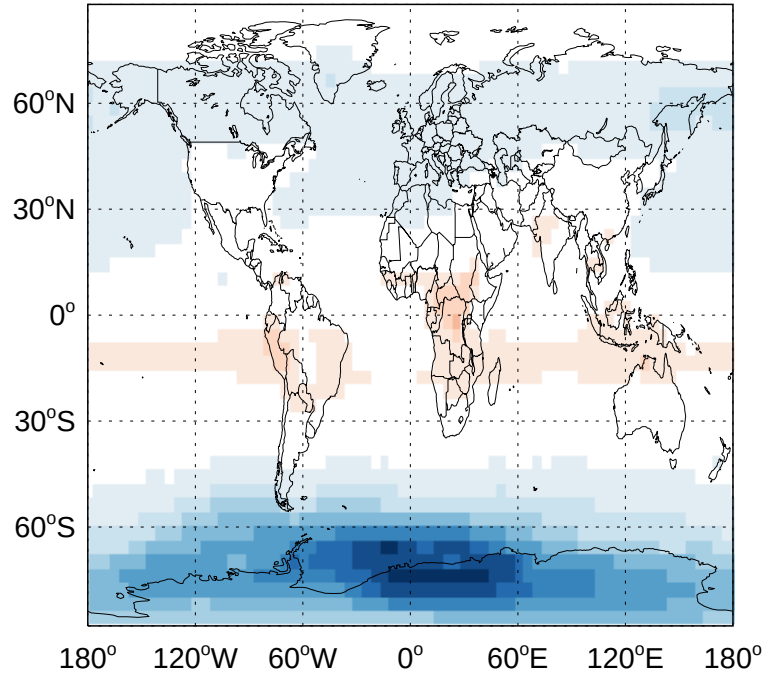
v11-02e-Run0 - v11-02d-Run1

JCH2O - J-Value Diff @ surface for Oct



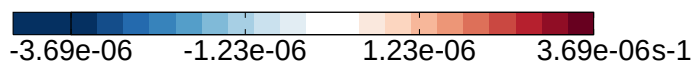
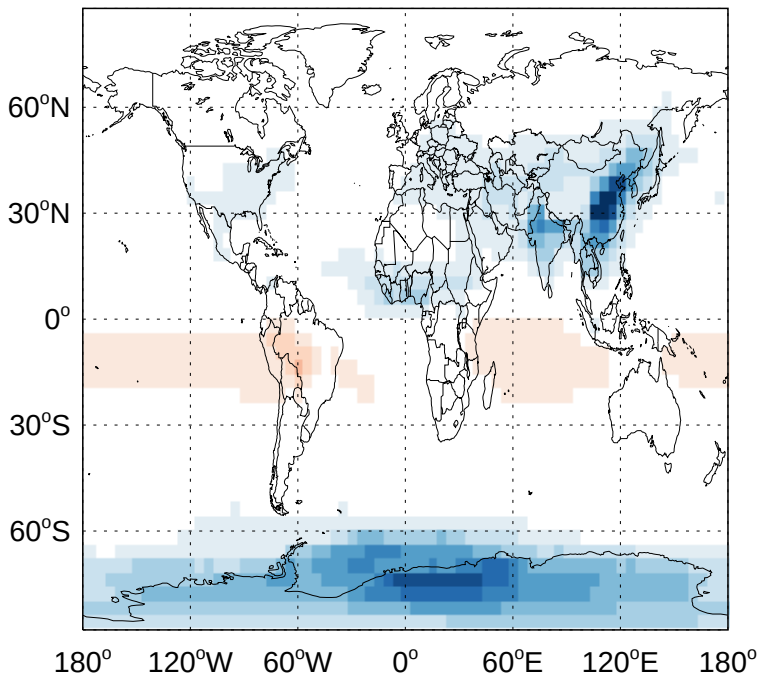
v11-02e-Run0 - v11-02d-Run1

JCH2O - J-Value Diff @ 500 hPa for Oct



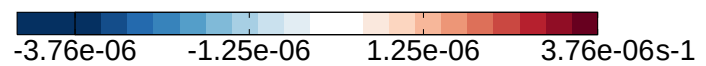
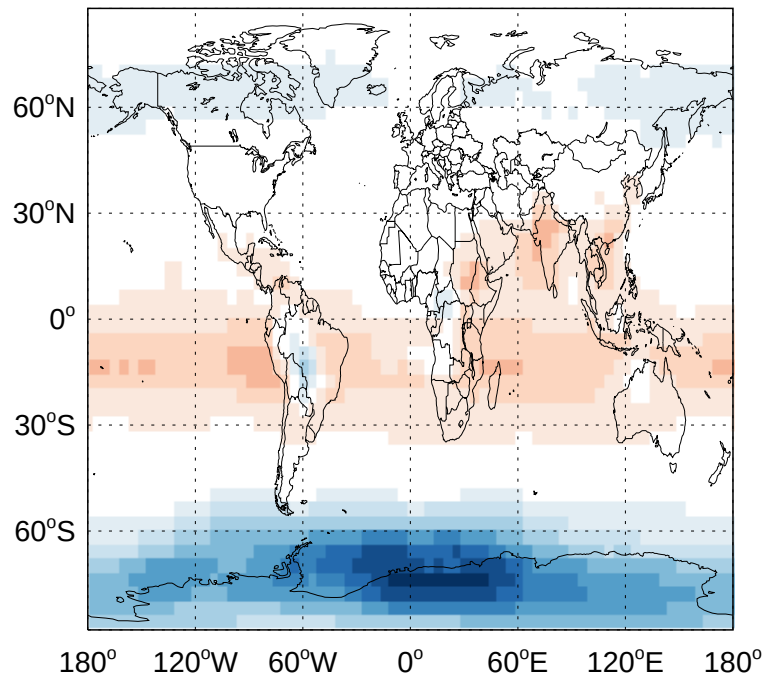
v11-02e-Run0 - v11-02c-Run0

JCH2O - J-Value Diff @ surface for Oct



v11-02e-Run0 - v11-02c-Run0

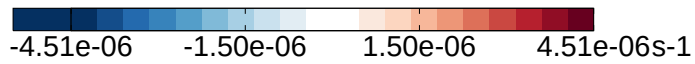
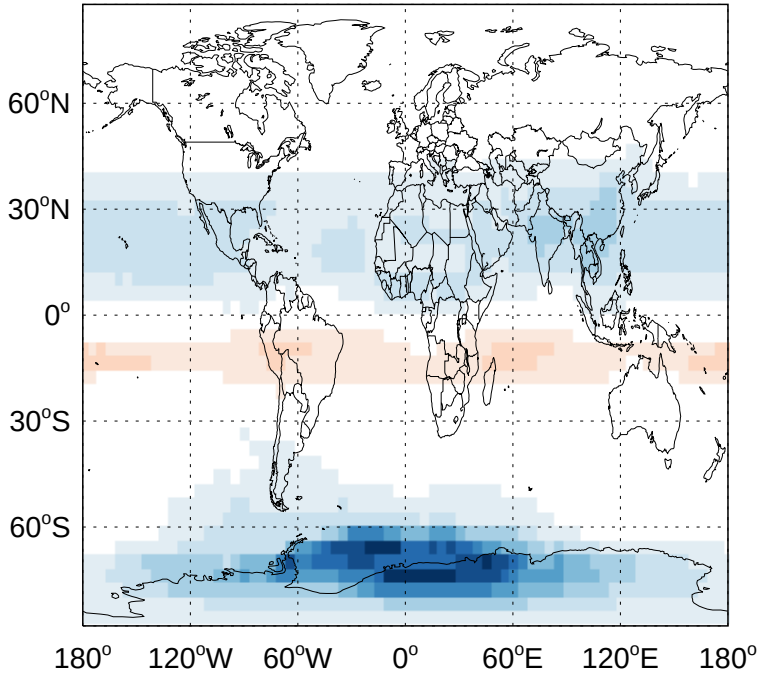
JCH2O - J-Value Diff @ 500 hPa for Oct



GEOS-Chem J-Values at surface and 500 hPa

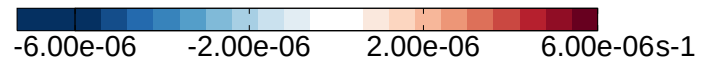
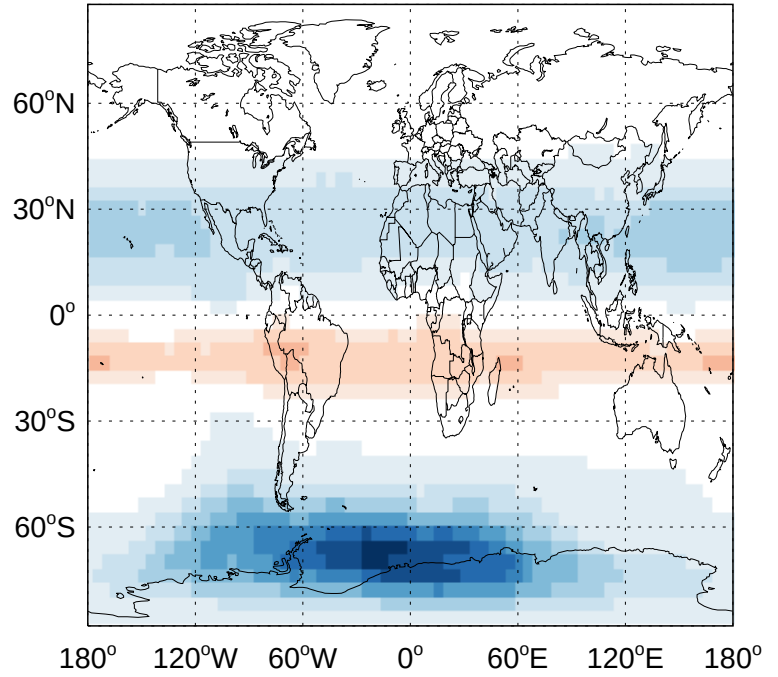
v11-02e-Run0 - v11-02d-Run1

JO3_O1D - J-Value Diff @ surface for Oct



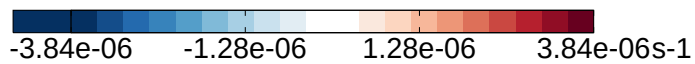
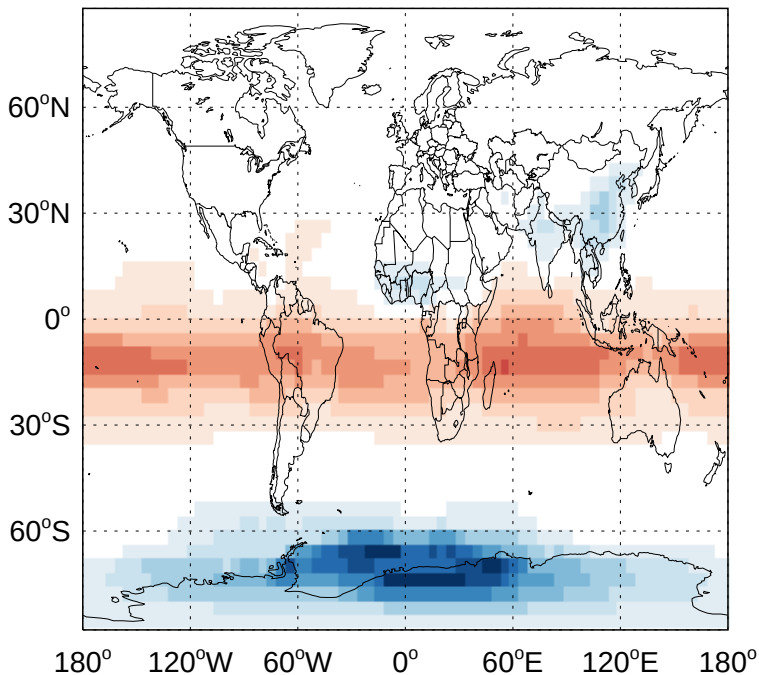
v11-02e-Run0 - v11-02d-Run1

JO3_O1D - J-Value Diff @ 500 hPa for Oct



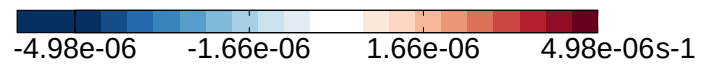
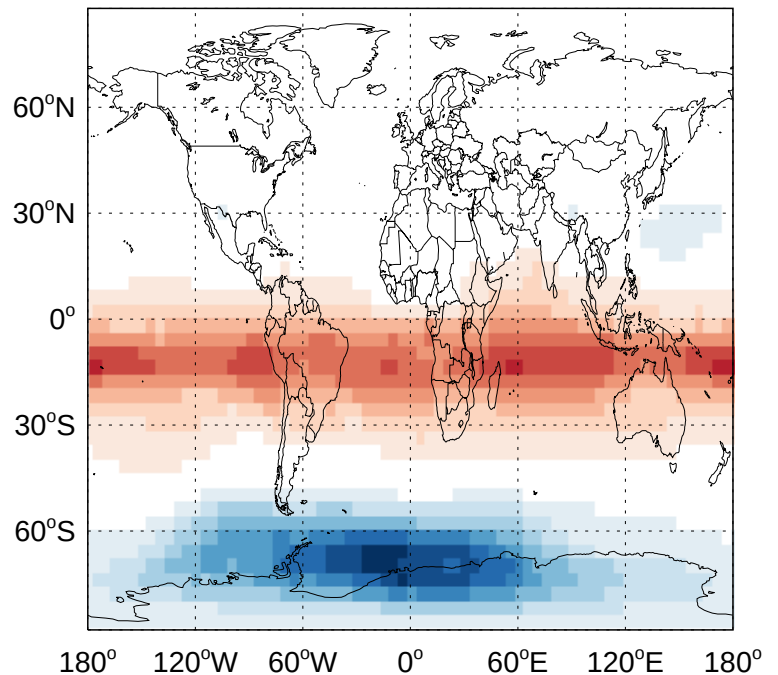
v11-02e-Run0 - v11-02c-Run0

JO3_O1D - J-Value Diff @ surface for Oct



v11-02e-Run0 - v11-02c-Run0

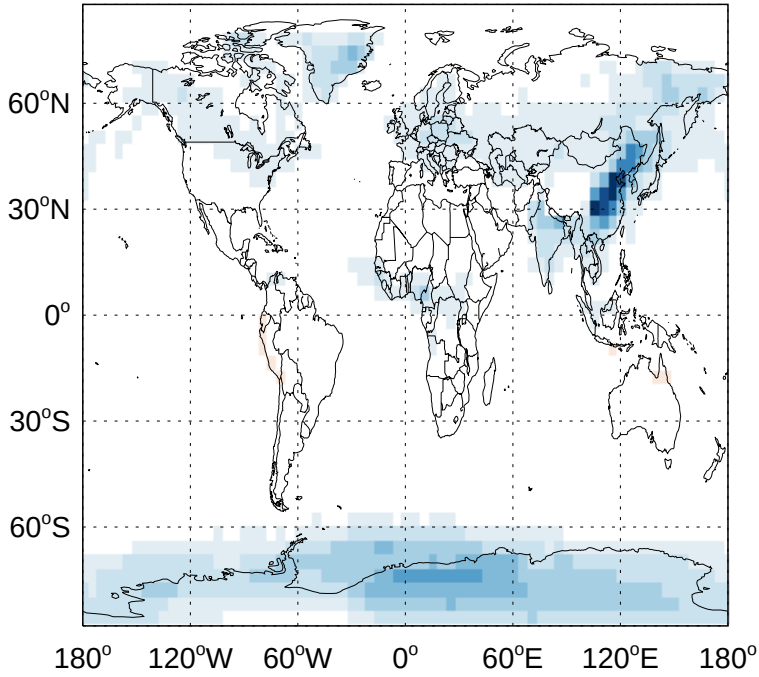
JO3_O1D - J-Value Diff @ 500 hPa for Oct



GEOS-Chem J-Values at surface and 500 hPa

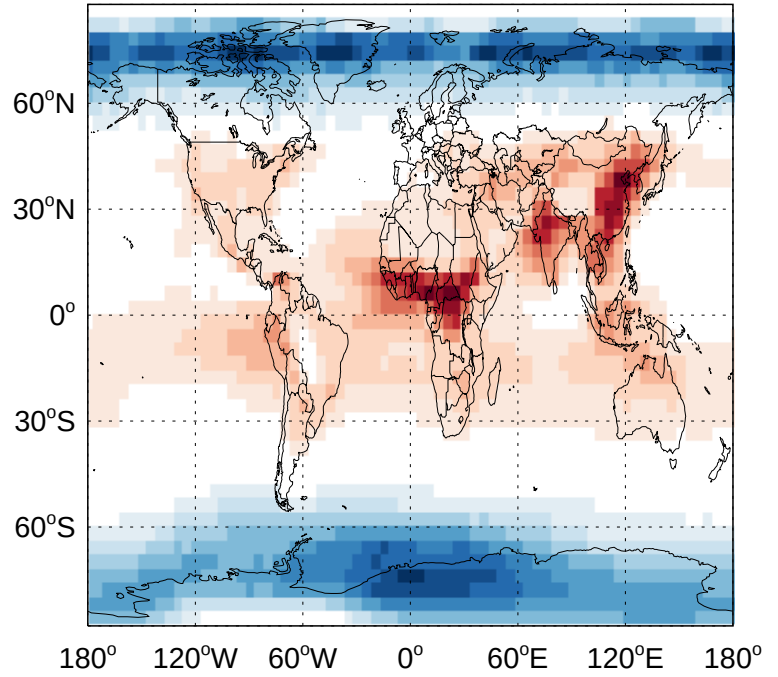
v11-02e-Run0 - v11-02d-Run1

JO3_O3P - J-Value Diff @ surface for Oct



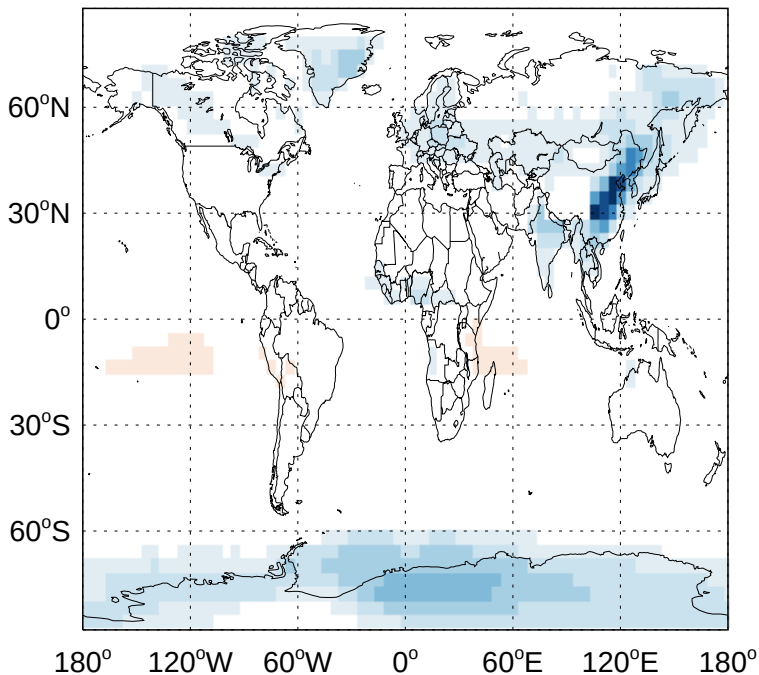
v11-02e-Run0 - v11-02d-Run1

JO3_O3P - J-Value Diff @ 500 hPa for Oct



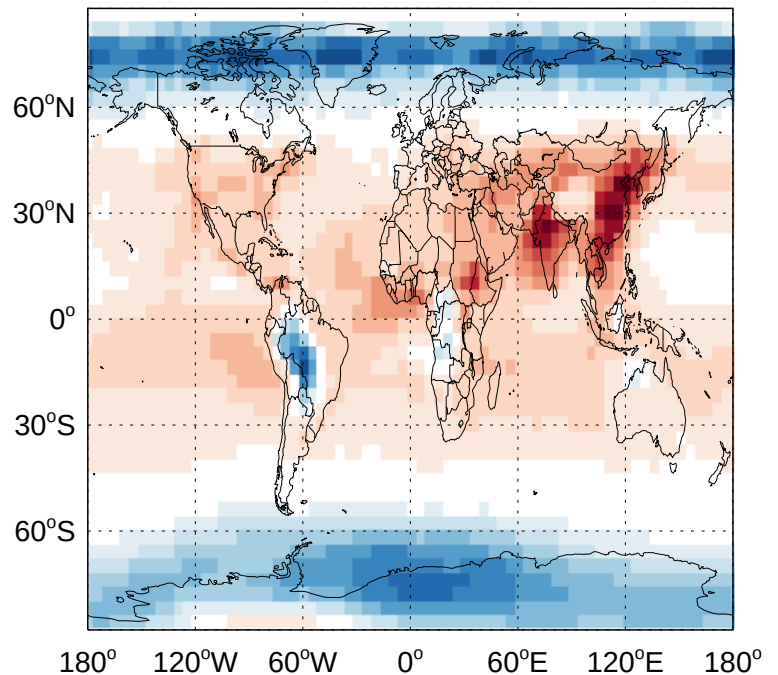
v11-02e-Run0 - v11-02c-Run0

JO3_O3P - J-Value Diff @ surface for Oct



v11-02e-Run0 - v11-02c-Run0

JO3_O3P - J-Value Diff @ 500 hPa for Oct



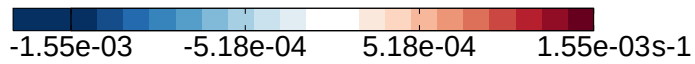
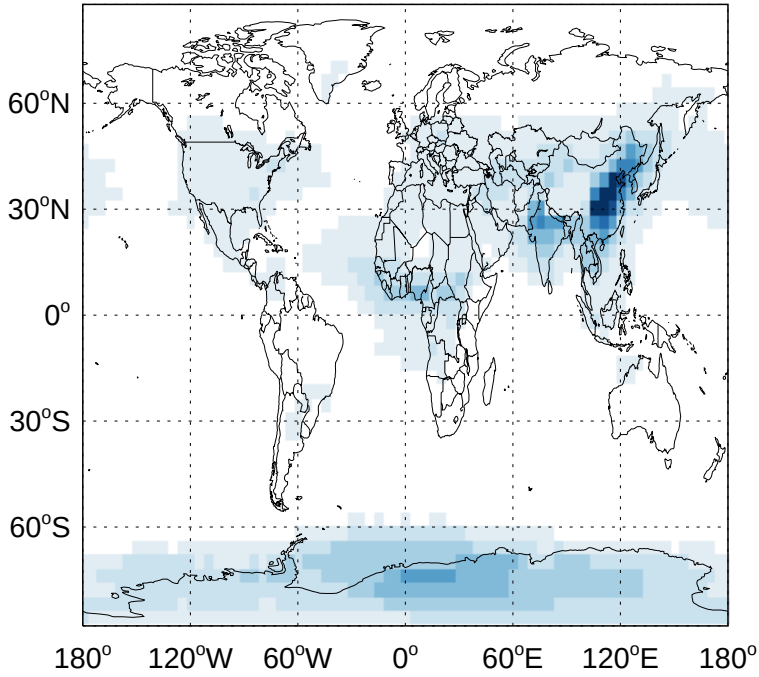
-1.15e-05 -3.83e-06 3.83e-06 1.15e-05s-1

-7.97e-06 -2.66e-06 2.66e-06 7.97e-06s-1

GEOS-Chem J-Values at surface and 500 hPa

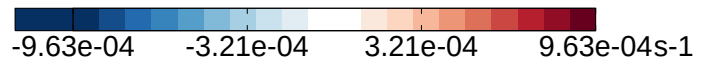
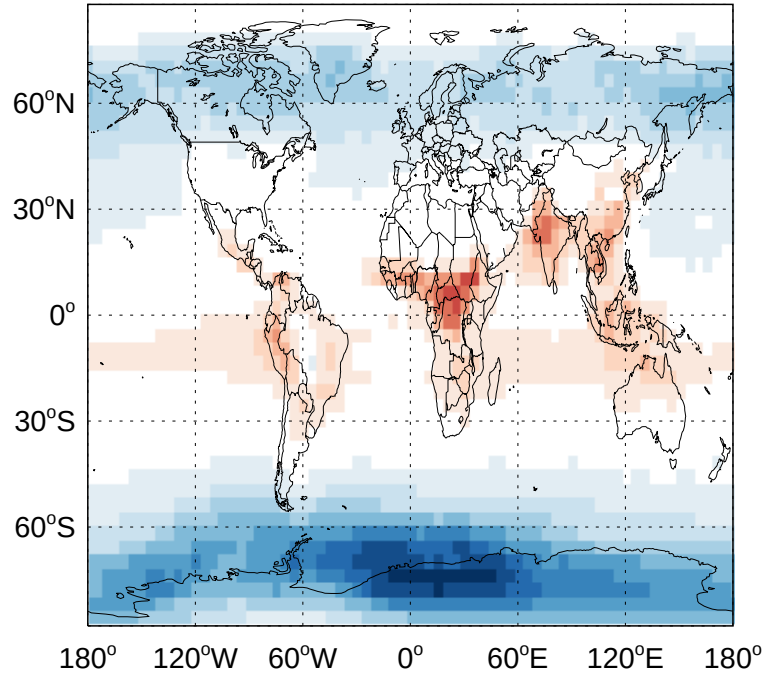
v11-02e-Run0 - v11-02d-Run1

JBrO - J-Value Diff @ surface for Oct



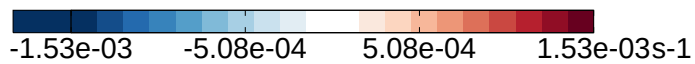
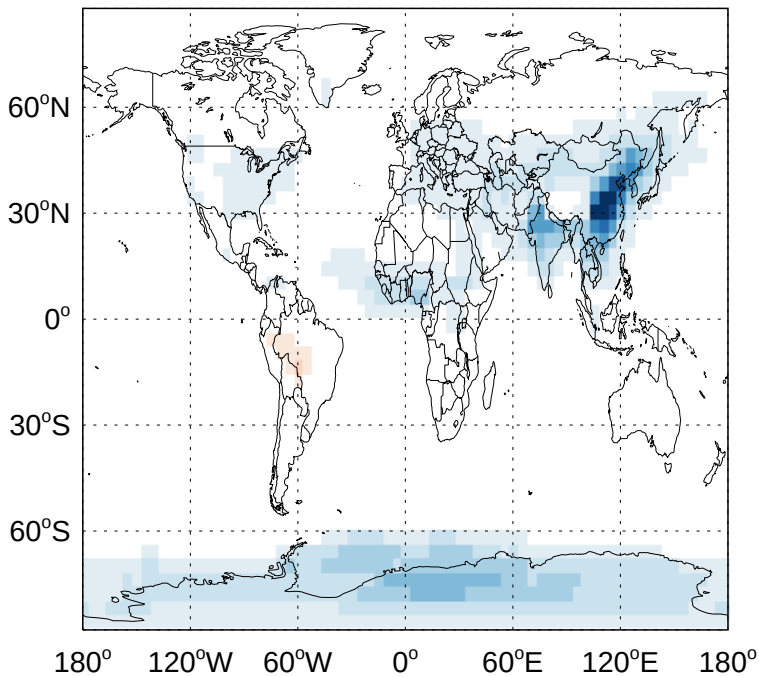
v11-02e-Run0 - v11-02d-Run1

JBrO - J-Value Diff @ 500 hPa for Oct



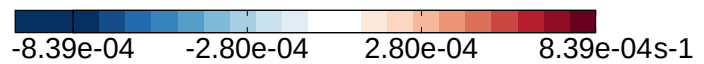
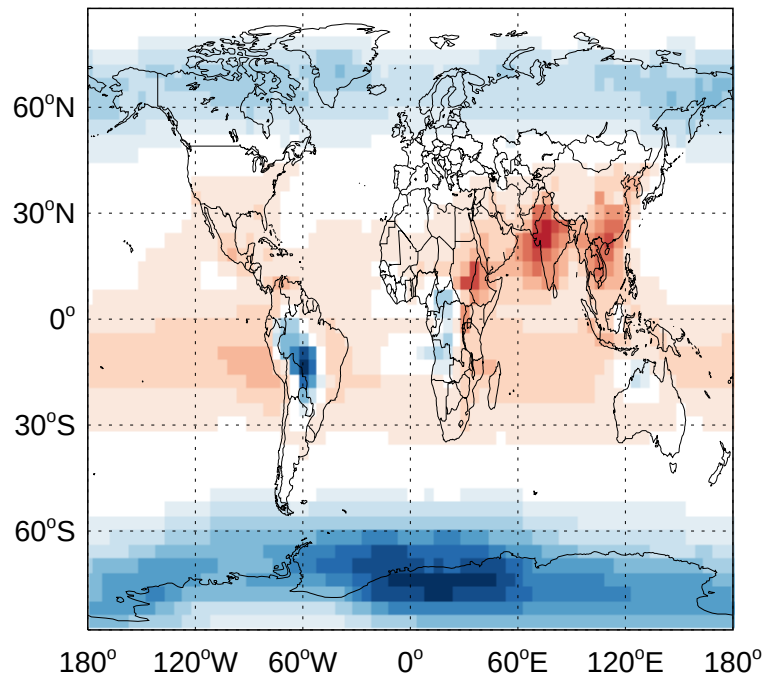
v11-02e-Run0 - v11-02c-Run0

JBrO - J-Value Diff @ surface for Oct



v11-02e-Run0 - v11-02c-Run0

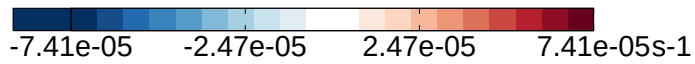
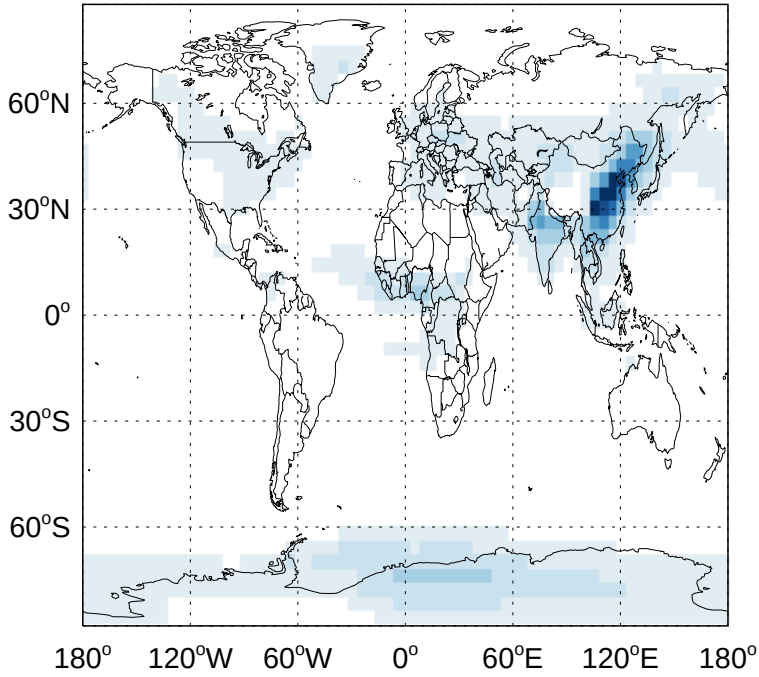
JBrO - J-Value Diff @ 500 hPa for Oct



GEOS-Chem J-Values at surface and 500 hPa

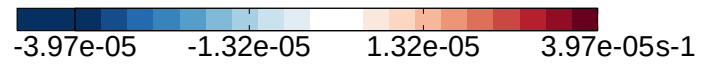
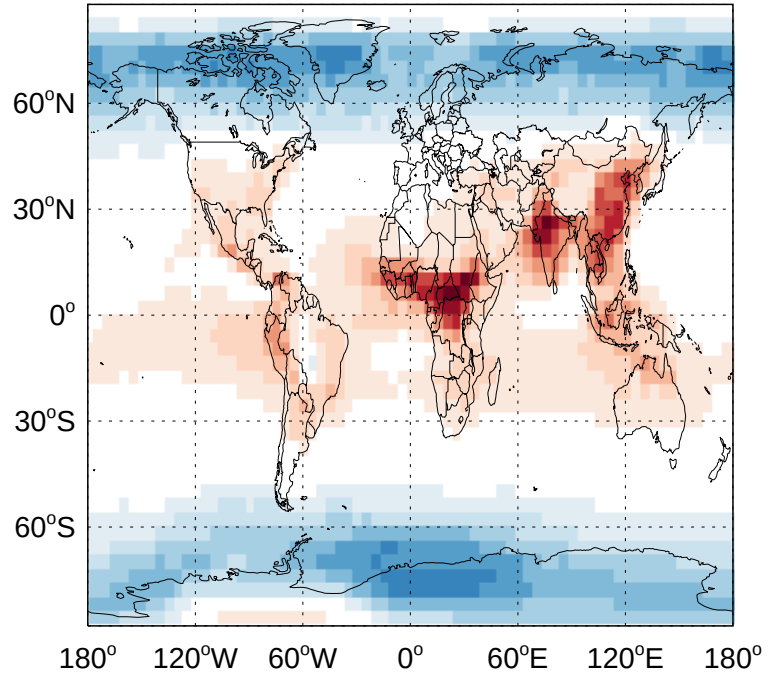
v11-02e-Run0 - v11-02d-Run1

JHOB_r - J-Value Diff @ surface for Oct



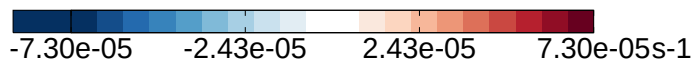
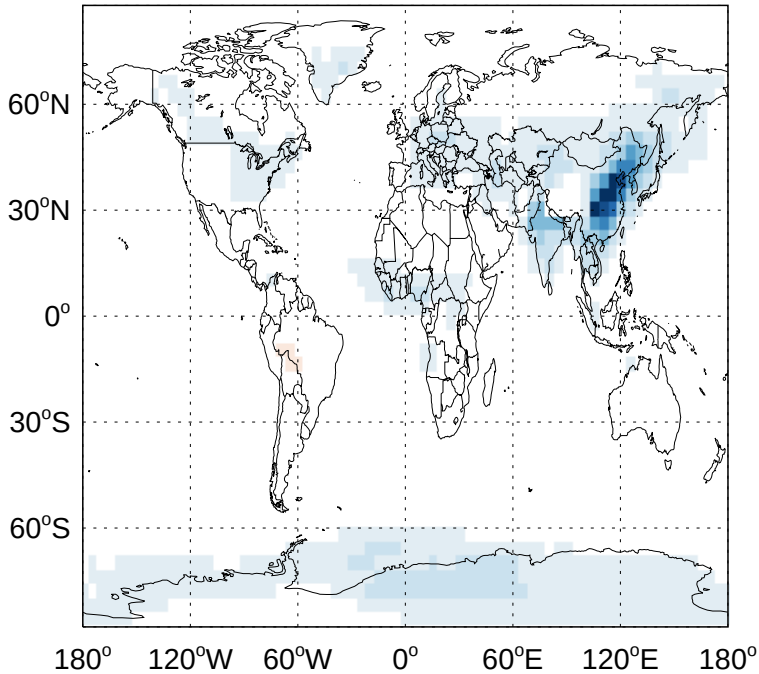
v11-02e-Run0 - v11-02d-Run1

JHOB_r - J-Value Diff @ 500 hPa for Oct



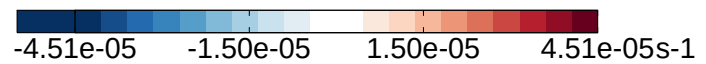
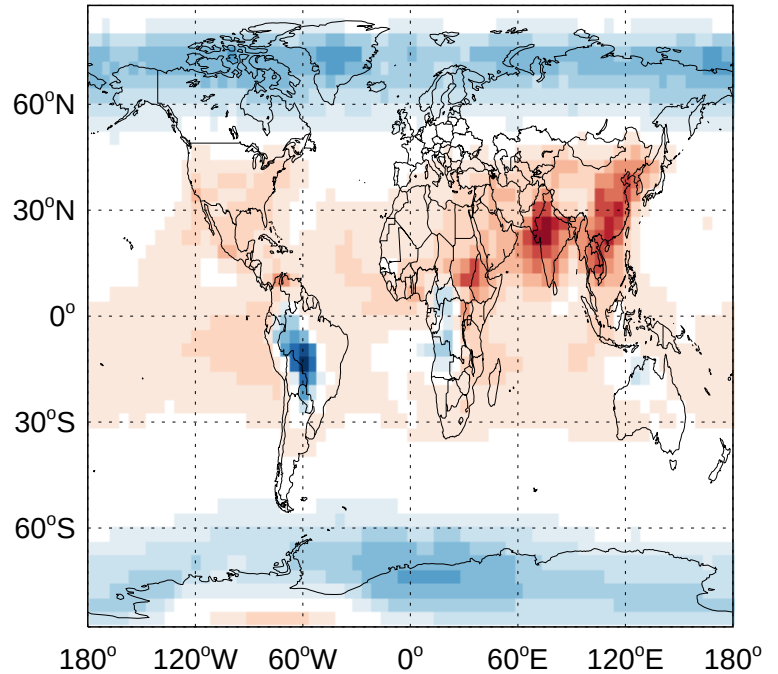
v11-02e-Run0 - v11-02c-Run0

JHOB_r - J-Value Diff @ surface for Oct



v11-02e-Run0 - v11-02c-Run0

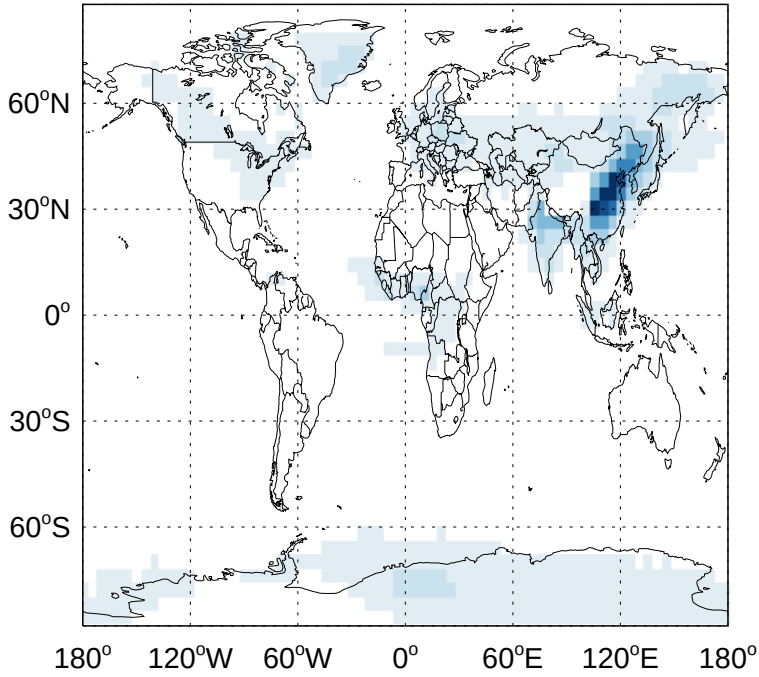
JHOB_r - J-Value Diff @ 500 hPa for Oct



GEOS-Chem J-Values at surface and 500 hPa

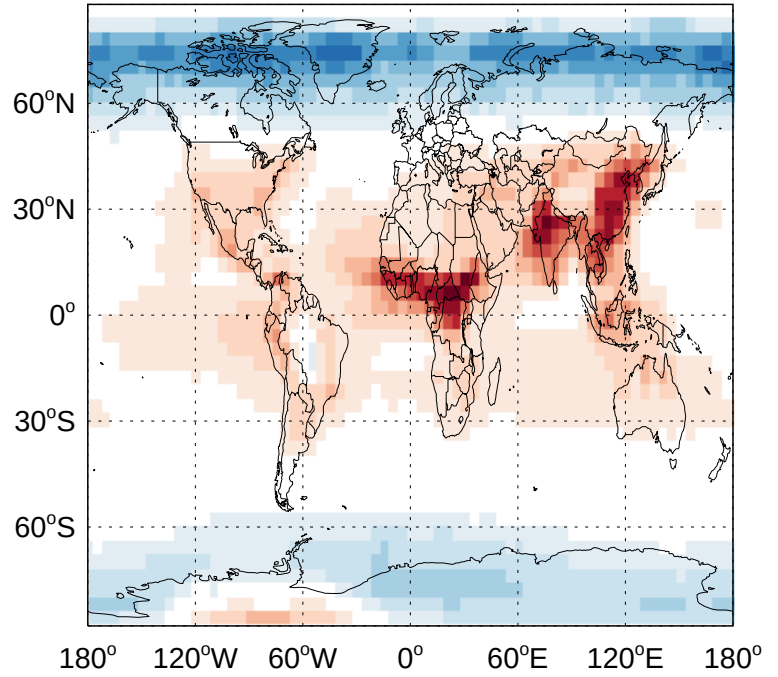
v11-02e-Run0 - v11-02d-Run1

JBrNO₂ - J-Value Diff @ surface for Oct



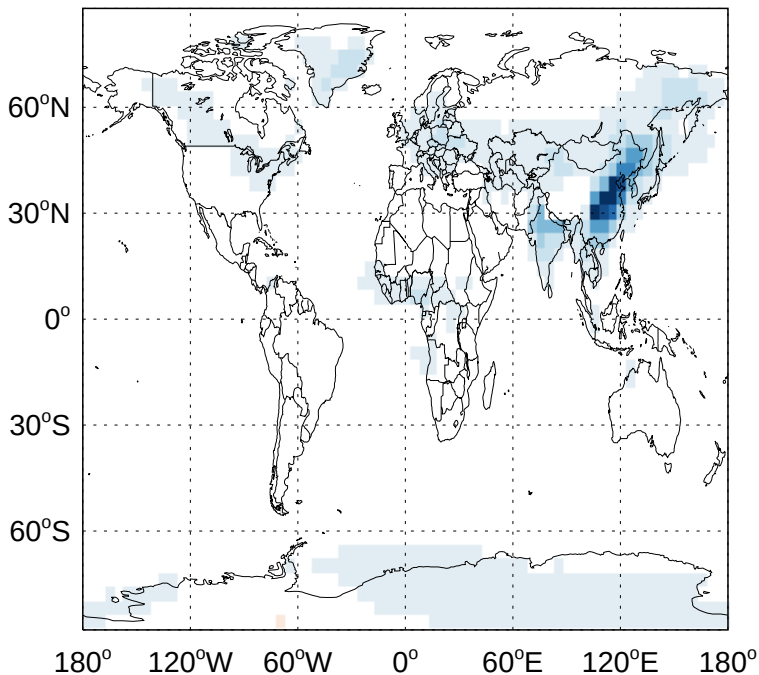
v11-02e-Run0 - v11-02d-Run1

JBrNO₂ - J-Value Diff @ 500 hPa for Oct



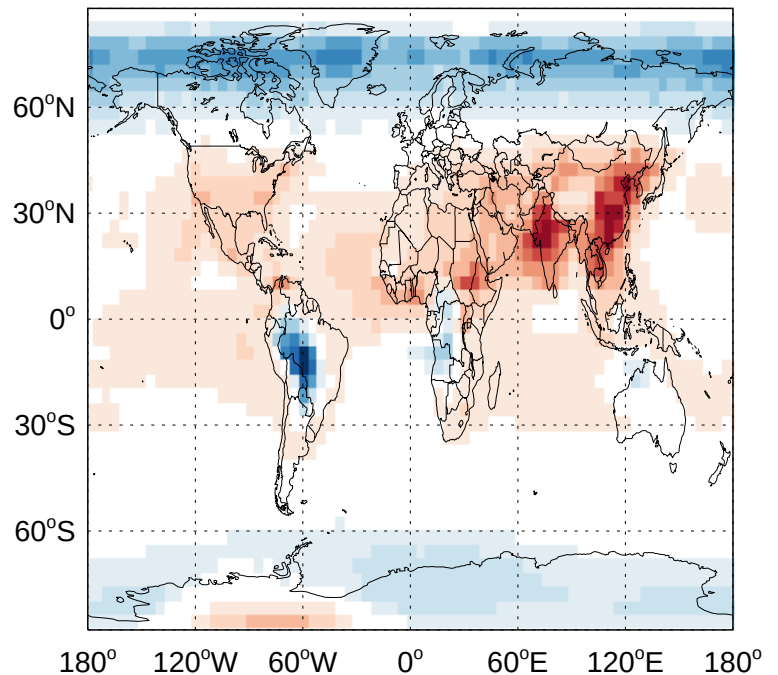
v11-02e-Run0 - v11-02c-Run0

JBrNO₂ - J-Value Diff @ surface for Oct



v11-02e-Run0 - v11-02c-Run0

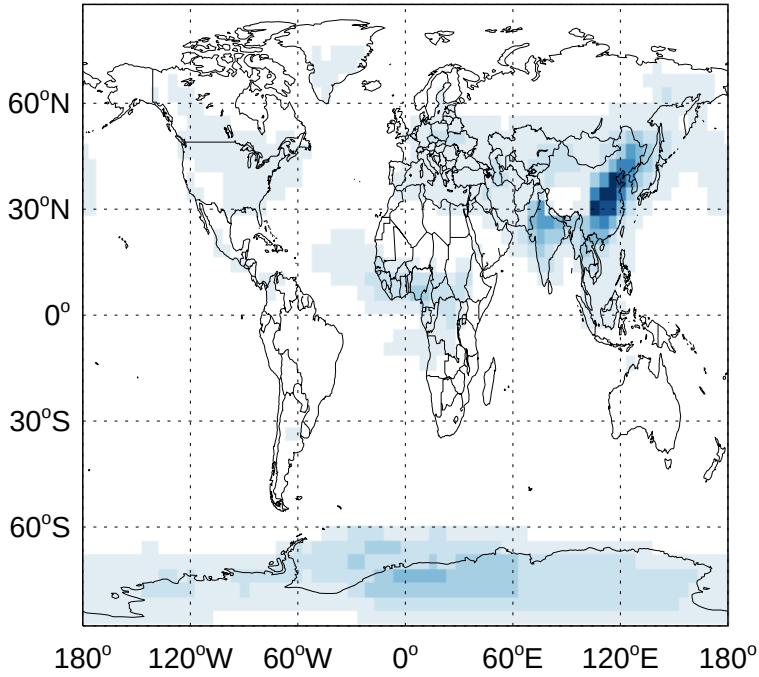
JBrNO₂ - J-Value Diff @ 500 hPa for Oct



GEOS-Chem J-Values at surface and 500 hPa

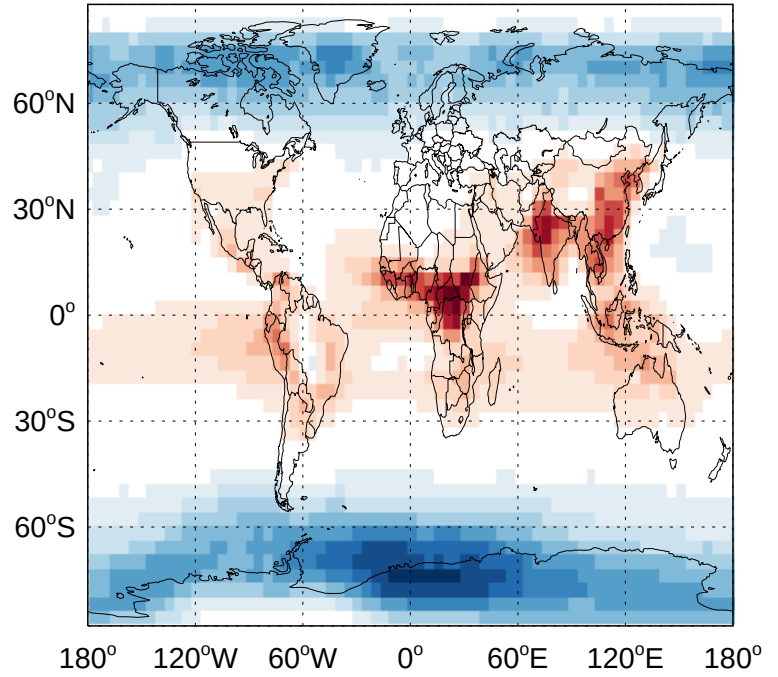
v11-02e-Run0 - v11-02d-Run1

JBrNO3 - J-Value Diff @ surface for Oct



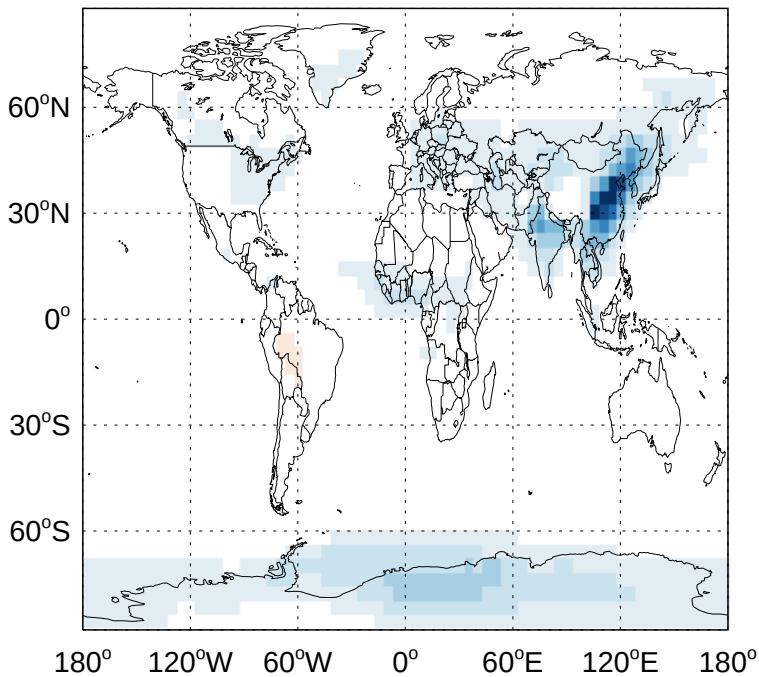
v11-02e-Run0 - v11-02d-Run1

JBrNO3 - J-Value Diff @ 500 hPa for Oct



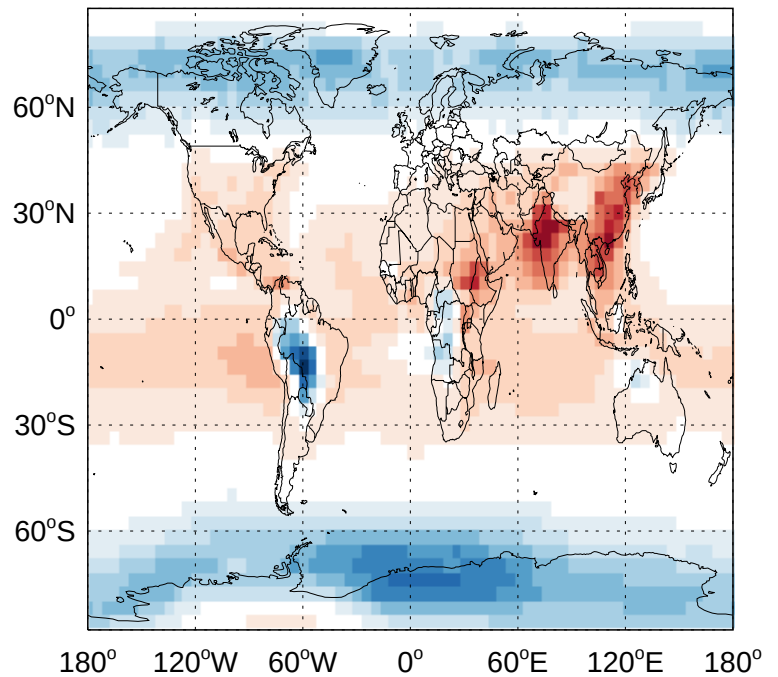
v11-02e-Run0 - v11-02c-Run0

JBrNO3 - J-Value Diff @ surface for Oct



v11-02e-Run0 - v11-02c-Run0

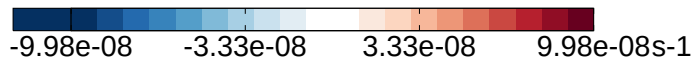
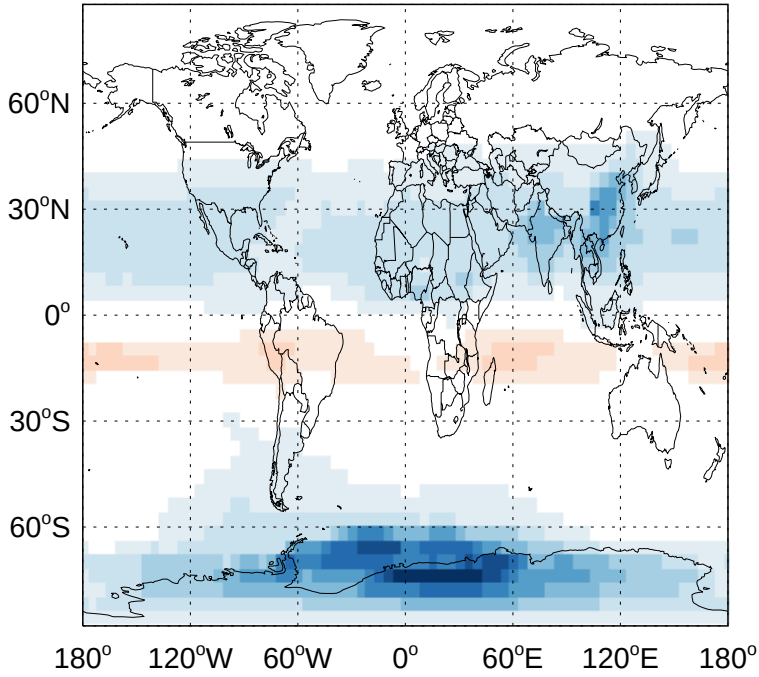
JBrNO3 - J-Value Diff @ 500 hPa for Oct



GEOS-Chem J-Values at surface and 500 hPa

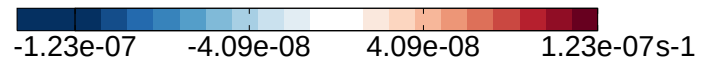
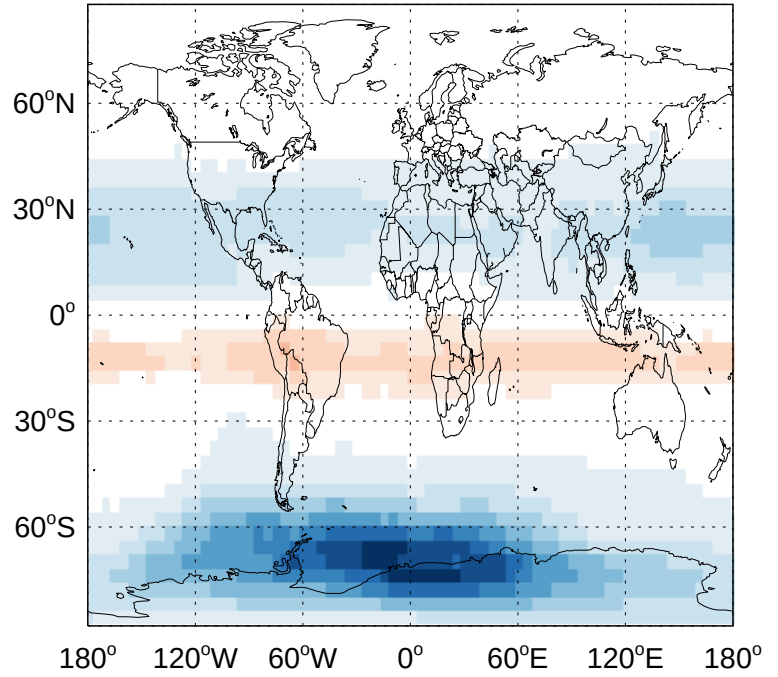
v11-02e-Run0 - v11-02d-Run1

JCHBr3 - J-Value Diff @ surface for Oct



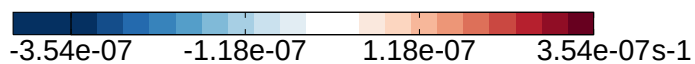
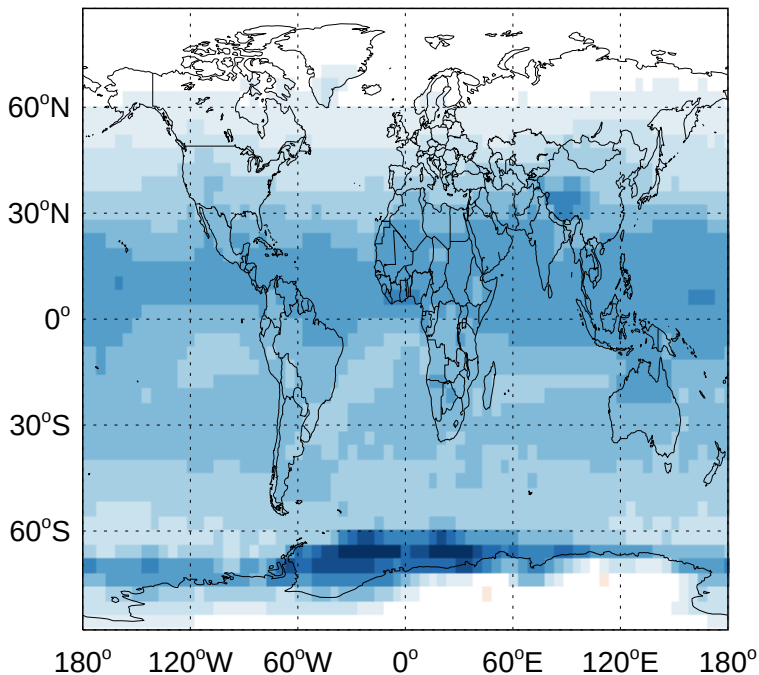
v11-02e-Run0 - v11-02d-Run1

JCHBr3 - J-Value Diff @ 500 hPa for Oct



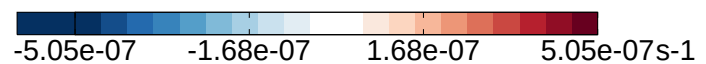
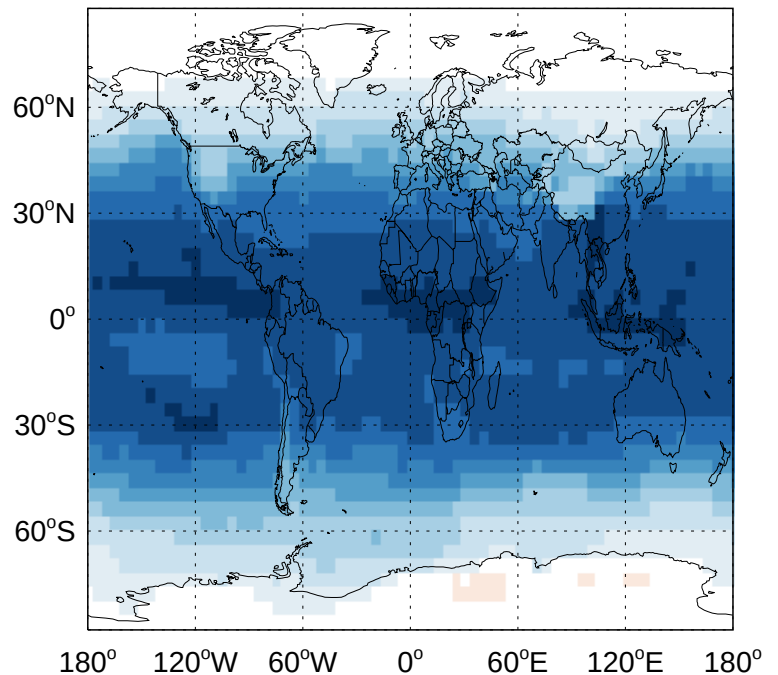
v11-02e-Run0 - v11-02c-Run0

JCHBr3 - J-Value Diff @ surface for Oct



v11-02e-Run0 - v11-02c-Run0

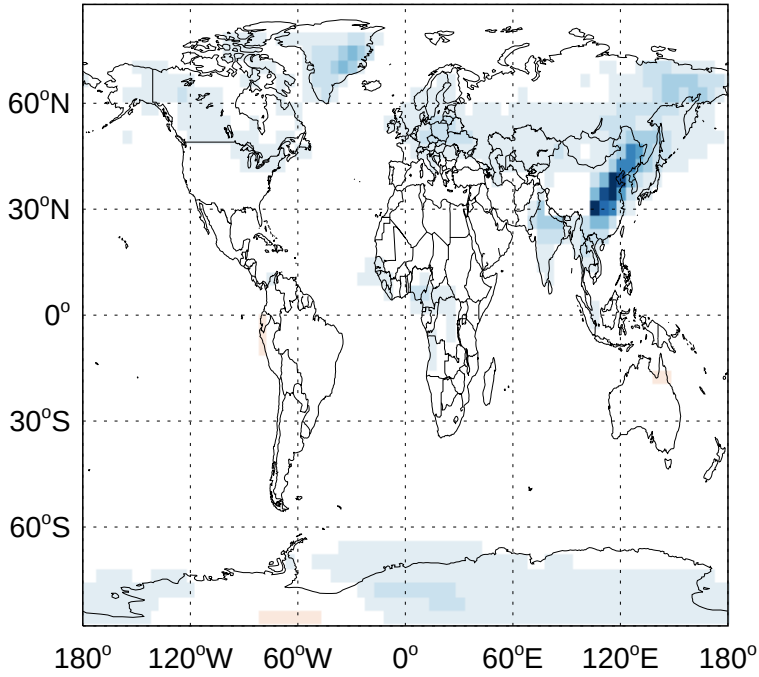
JCHBr3 - J-Value Diff @ 500 hPa for Oct



GEOS-Chem J-Values at surface and 500 hPa

v11-02e-Run0 - v11-02d-Run1

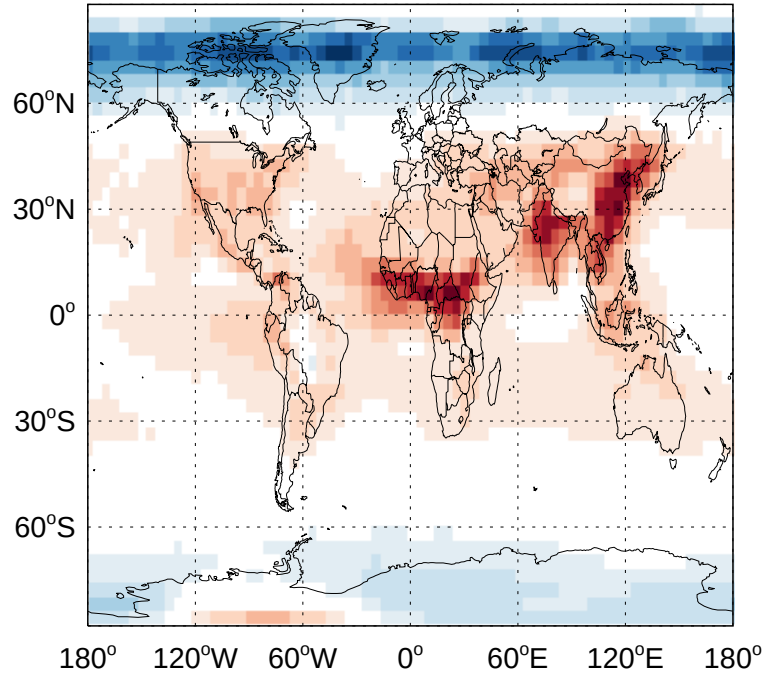
JBr2 - J-Value Diff @ surface for Oct



-8.71e-04 -2.90e-04 2.90e-04 8.71e-04s-1

v11-02e-Run0 - v11-02d-Run1

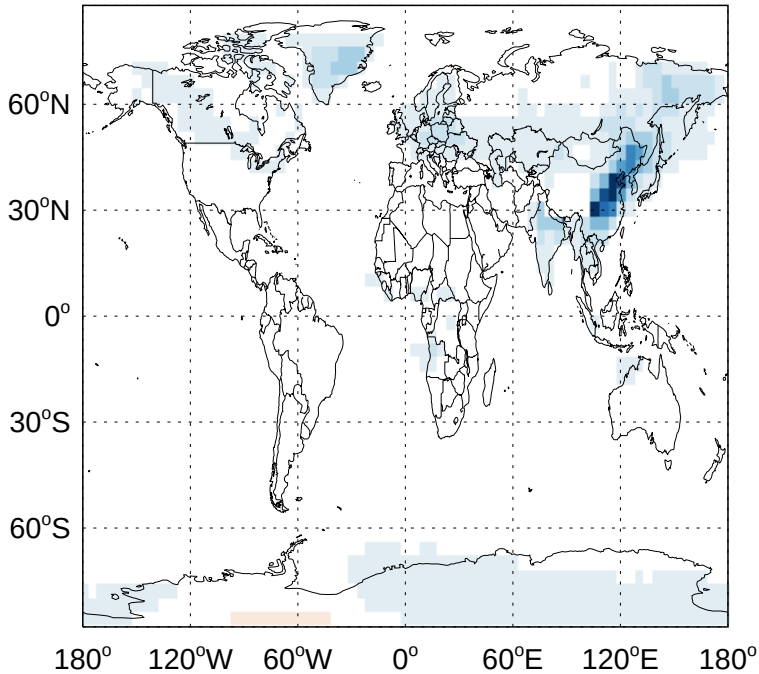
JBr2 - J-Value Diff @ 500 hPa for Oct



-6.36e-04 -2.12e-04 2.12e-04 6.36e-04s-1

v11-02e-Run0 - v11-02c-Run0

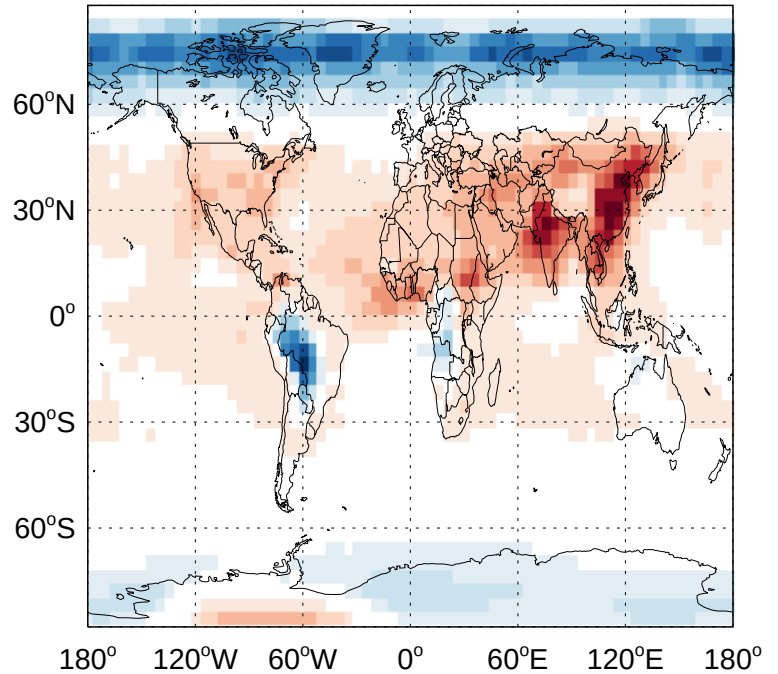
JBr2 - J-Value Diff @ surface for Oct



-8.63e-04 -2.88e-04 2.88e-04 8.63e-04s-1

v11-02e-Run0 - v11-02c-Run0

JBr2 - J-Value Diff @ 500 hPa for Oct

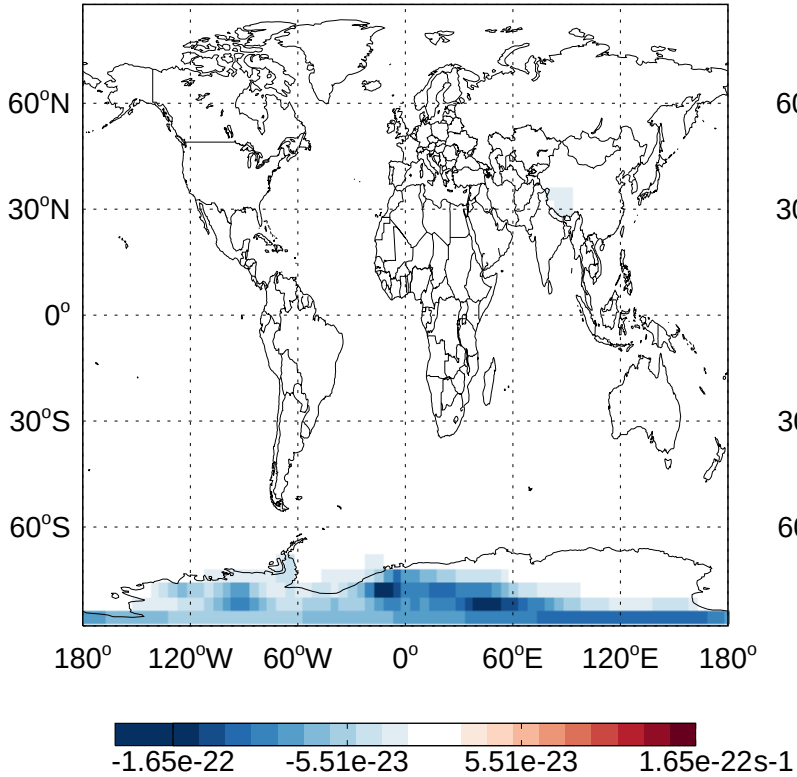


-6.28e-04 -2.09e-04 2.09e-04 6.28e-04s-1

GEOS-Chem J-Values at surface and 500 hPa

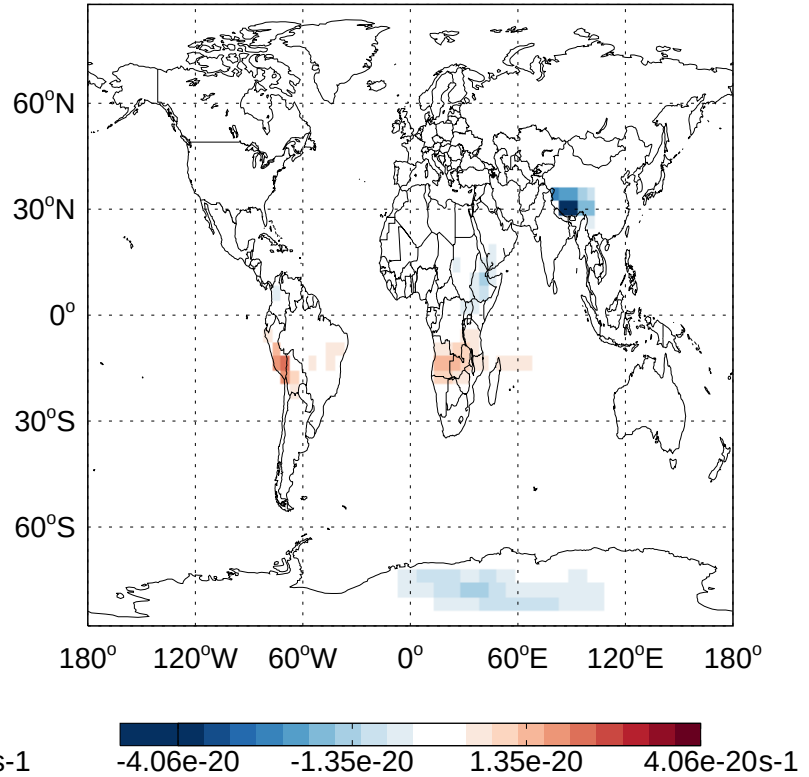
v11-02e-Run0 - v11-02d-Run1

JO2 - J-Value Diff @ surface for Oct



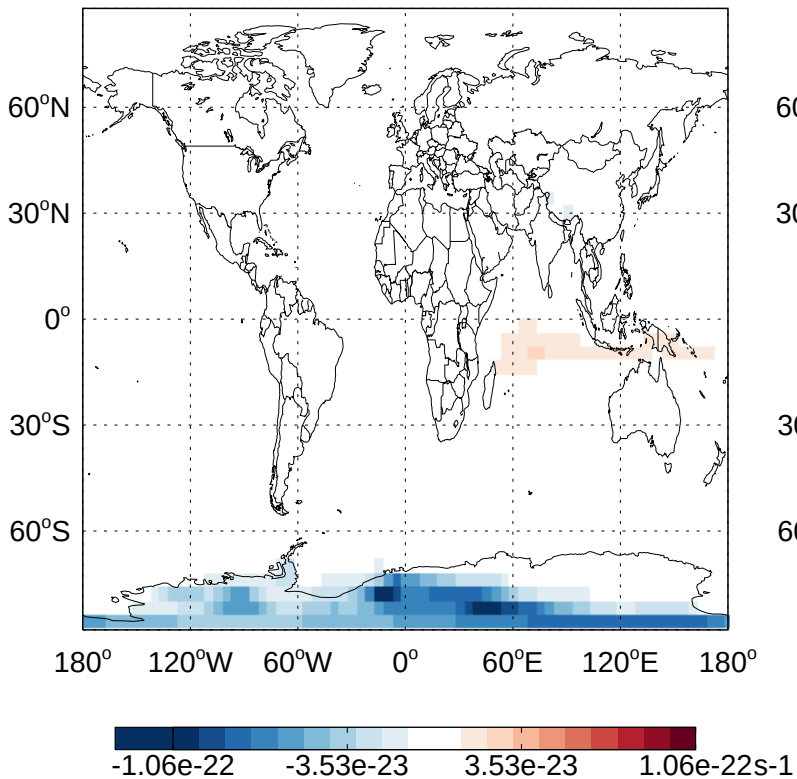
v11-02e-Run0 - v11-02d-Run1

JO2 - J-Value Diff @ 500 hPa for Oct



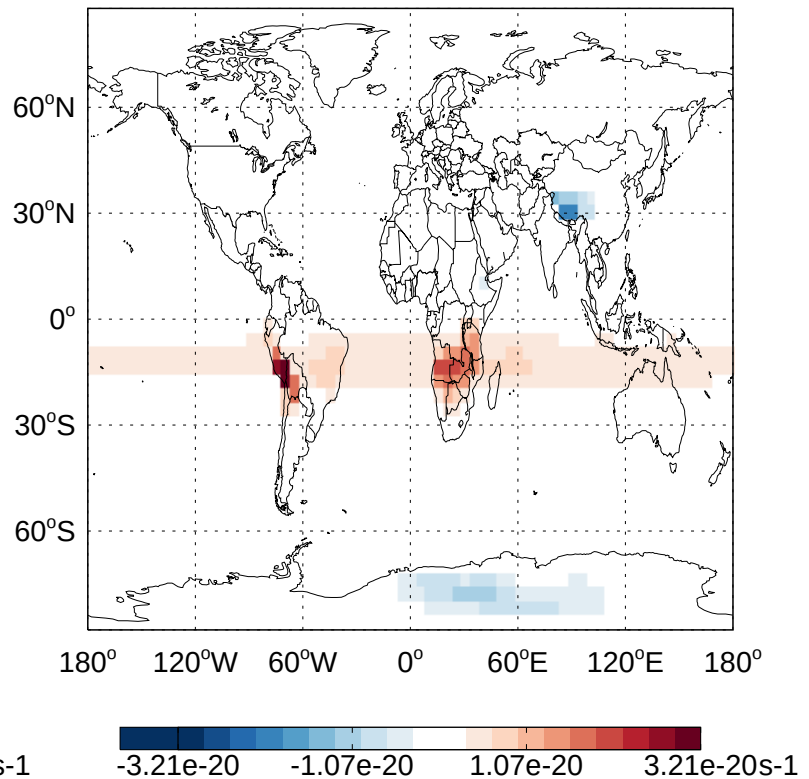
v11-02e-Run0 - v11-02c-Run0

JO2 - J-Value Diff @ surface for Oct



v11-02e-Run0 - v11-02c-Run0

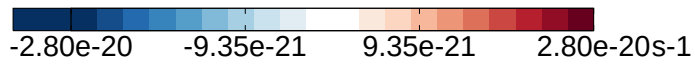
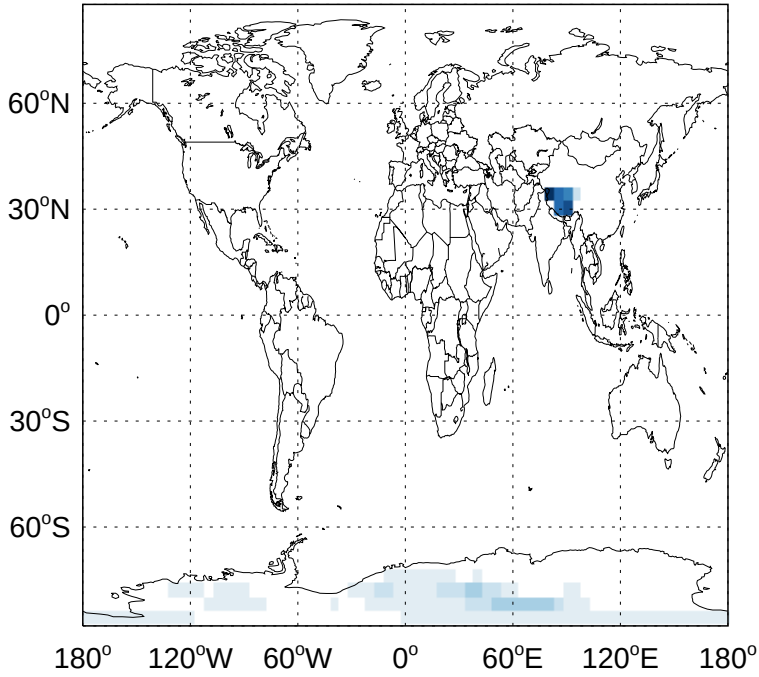
JO2 - J-Value Diff @ 500 hPa for Oct



GEOS-Chem J-Values at surface and 500 hPa

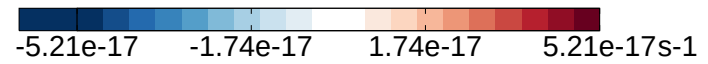
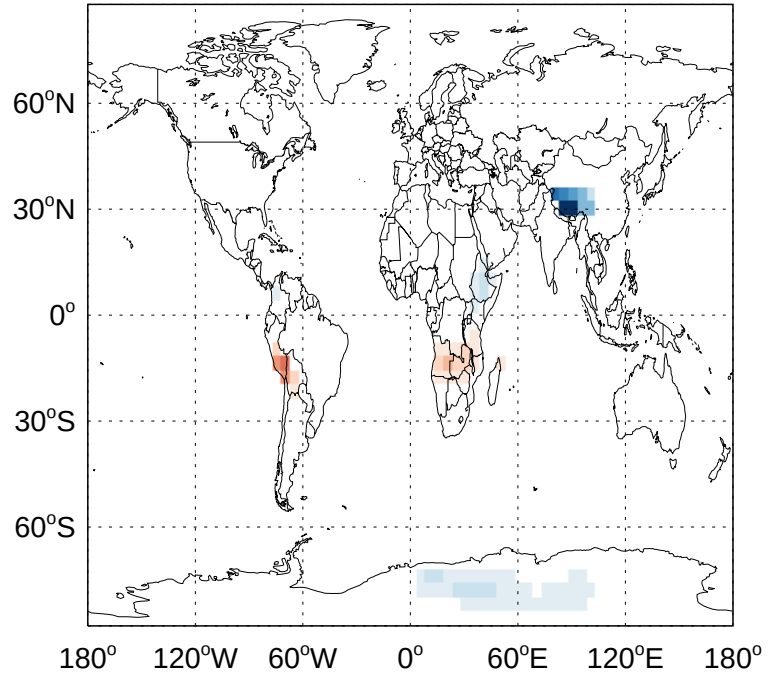
v11-02e-Run0 - v11-02d-Run1

JN2O - J-Value Diff @ surface for Oct



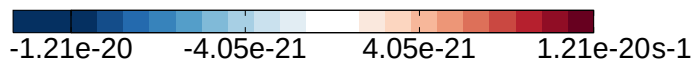
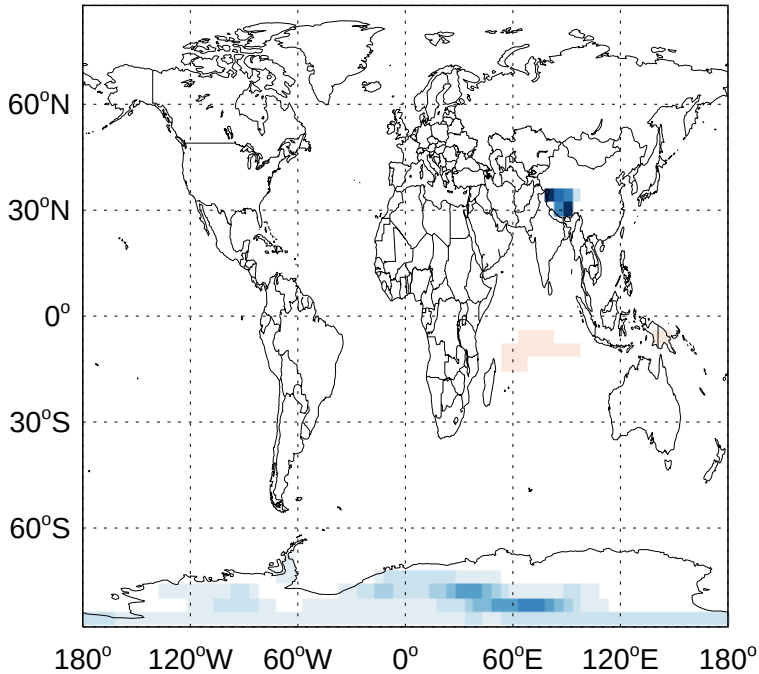
v11-02e-Run0 - v11-02d-Run1

JN2O - J-Value Diff @ 500 hPa for Oct



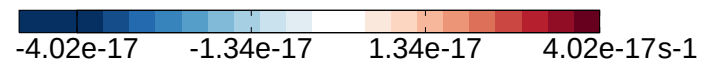
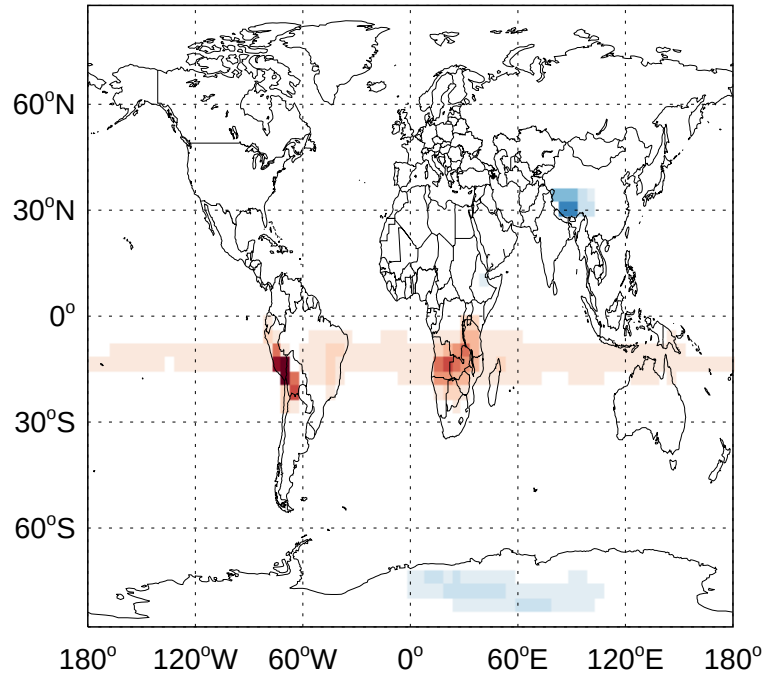
v11-02e-Run0 - v11-02c-Run0

JN2O - J-Value Diff @ surface for Oct



v11-02e-Run0 - v11-02c-Run0

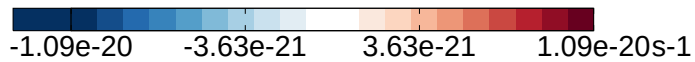
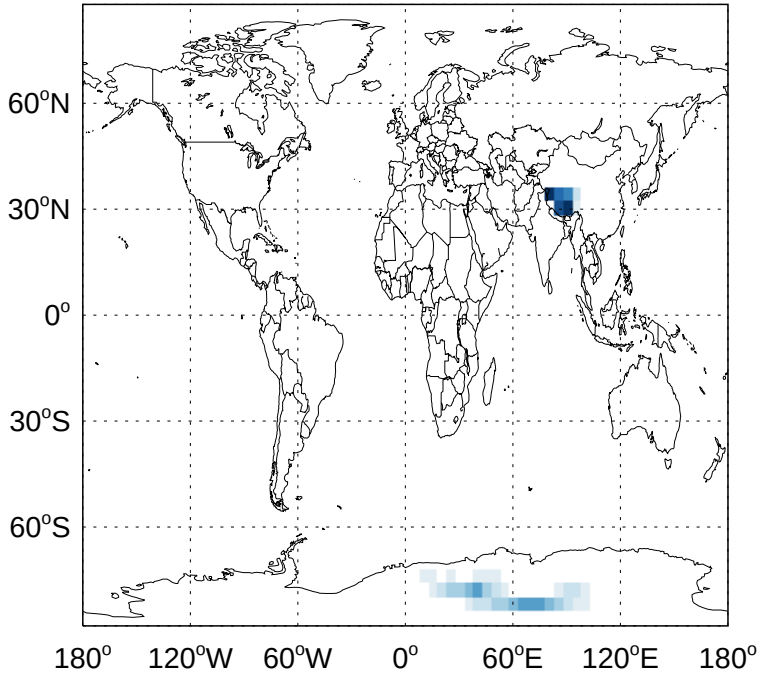
JN2O - J-Value Diff @ 500 hPa for Oct



GEOS-Chem J-Values at surface and 500 hPa

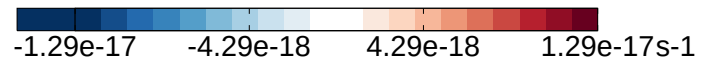
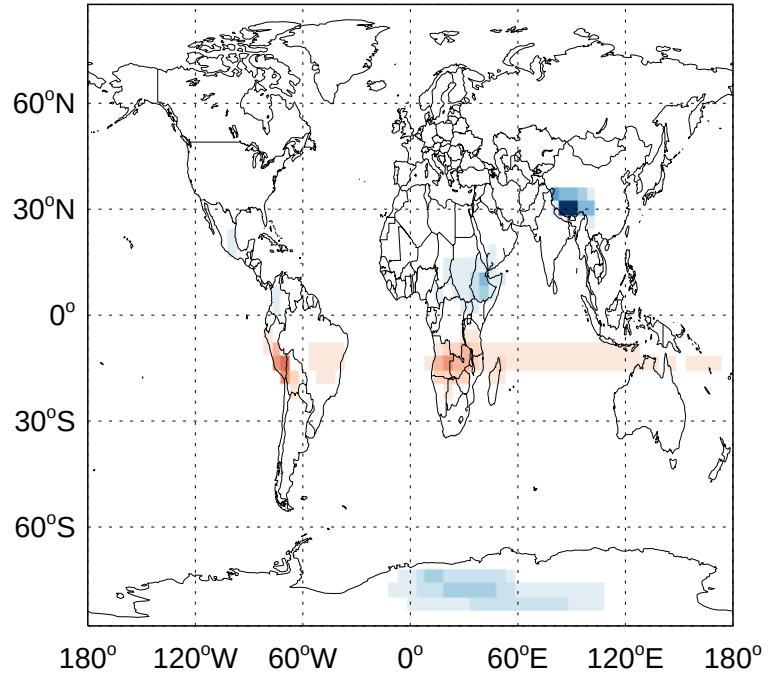
v11-02e-Run0 - v11-02d-Run1

JNO - J-Value Diff @ surface for Oct



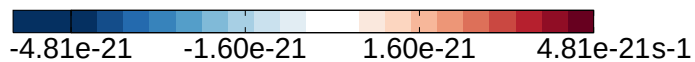
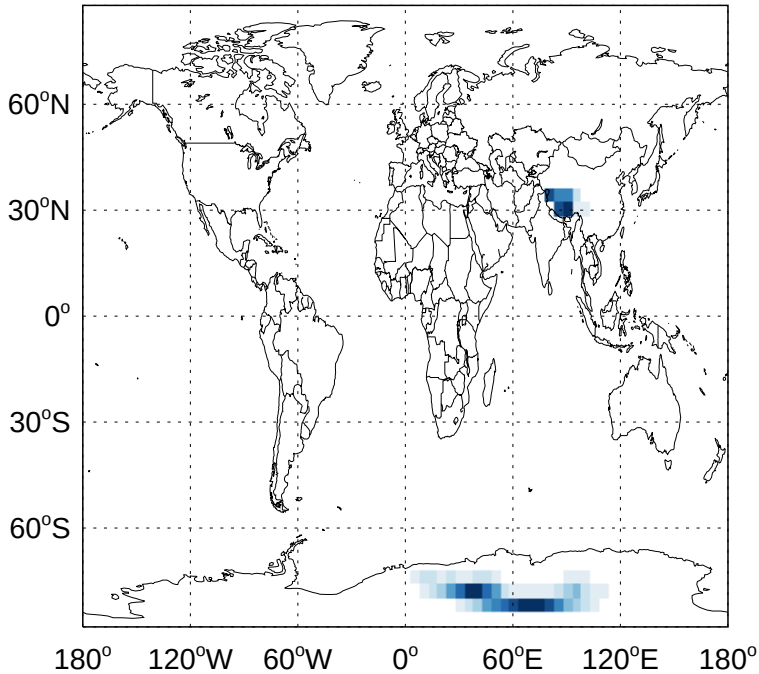
v11-02e-Run0 - v11-02d-Run1

JNO - J-Value Diff @ 500 hPa for Oct



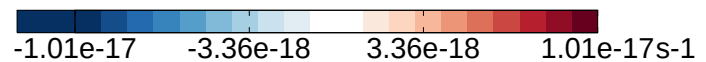
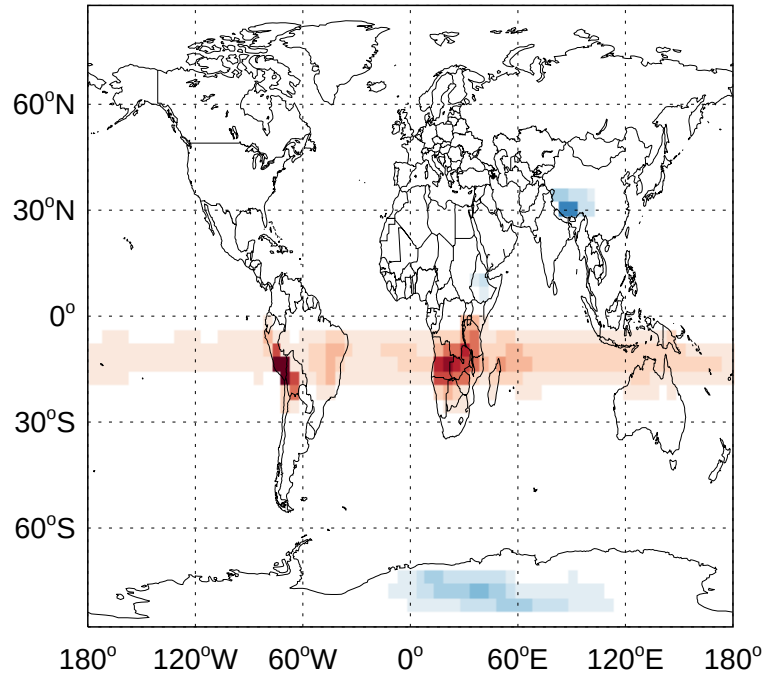
v11-02e-Run0 - v11-02c-Run0

JNO - J-Value Diff @ surface for Oct



v11-02e-Run0 - v11-02c-Run0

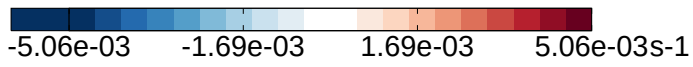
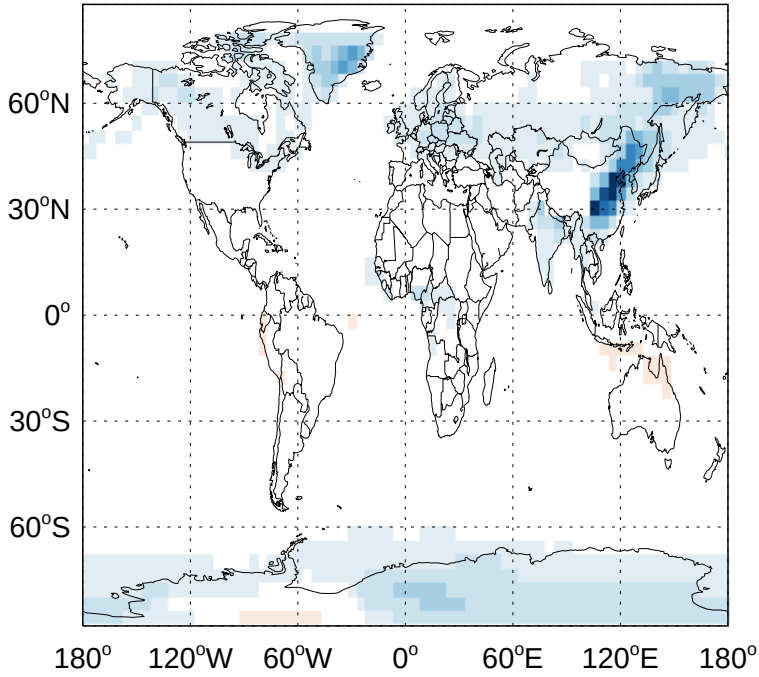
JNO - J-Value Diff @ 500 hPa for Oct



GEOS-Chem J-Values at surface and 500 hPa

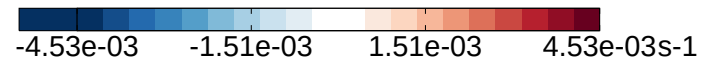
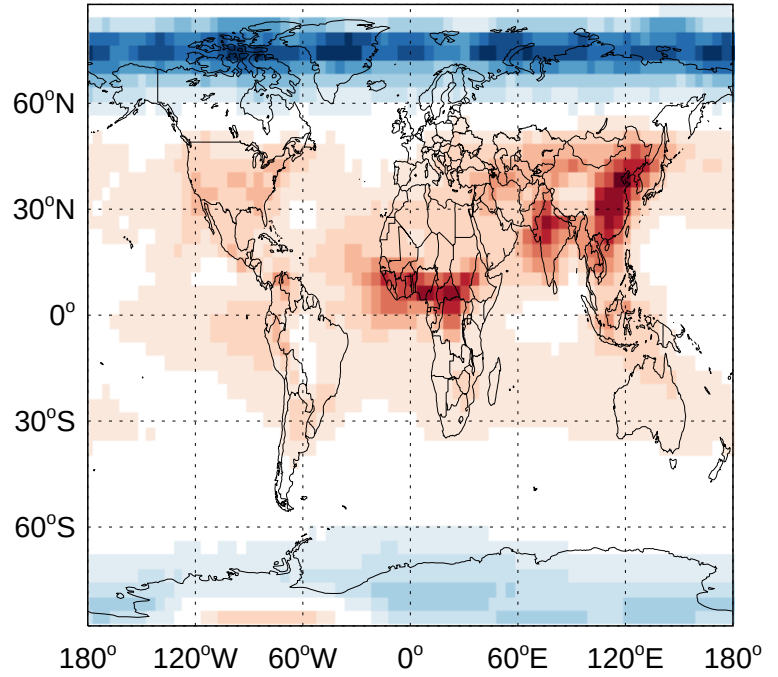
v11-02e-Run0 - v11-02d-Run1

JNO3 - J-Value Diff @ surface for Oct



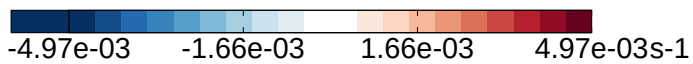
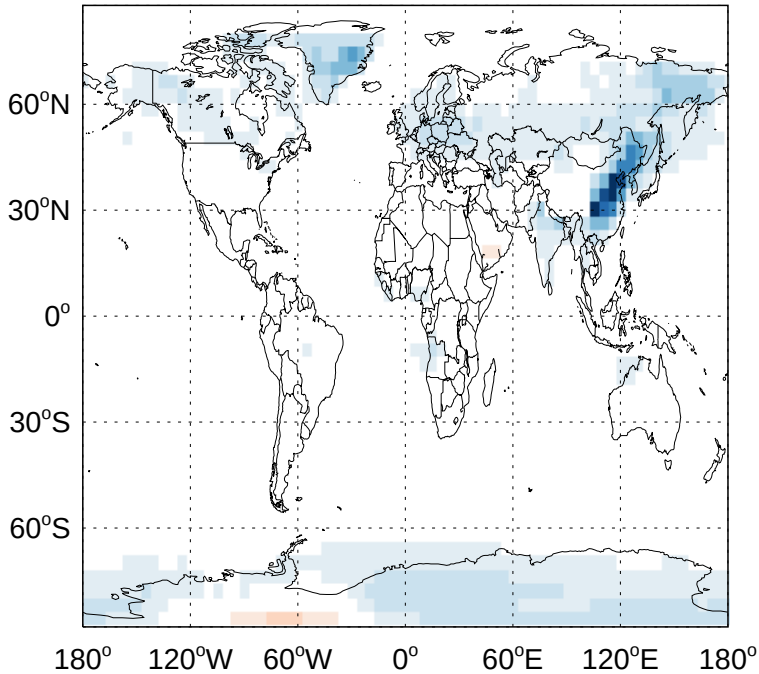
v11-02e-Run0 - v11-02d-Run1

JNO3 - J-Value Diff @ 500 hPa for Oct



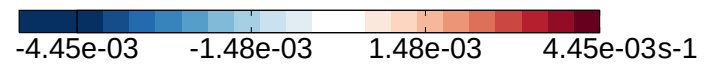
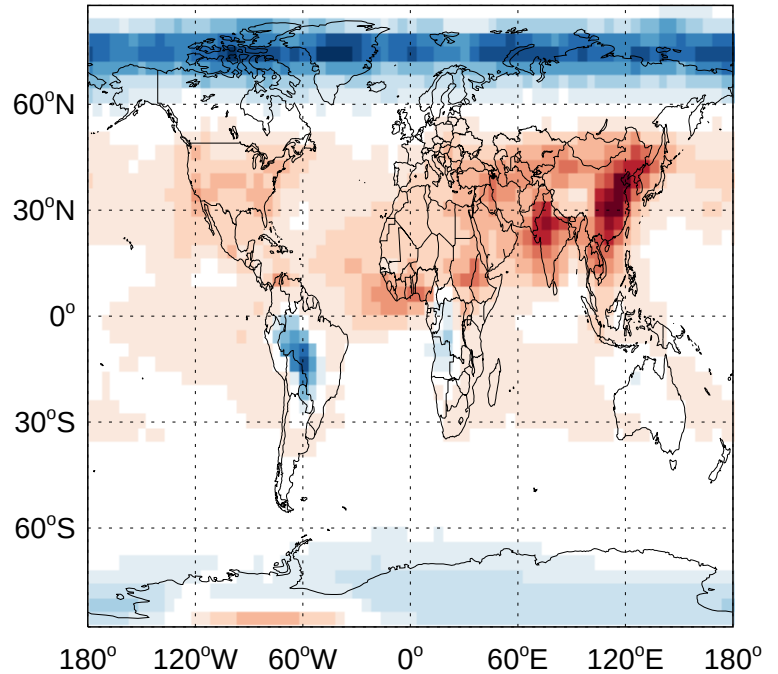
v11-02e-Run0 - v11-02c-Run0

JNO3 - J-Value Diff @ surface for Oct



v11-02e-Run0 - v11-02c-Run0

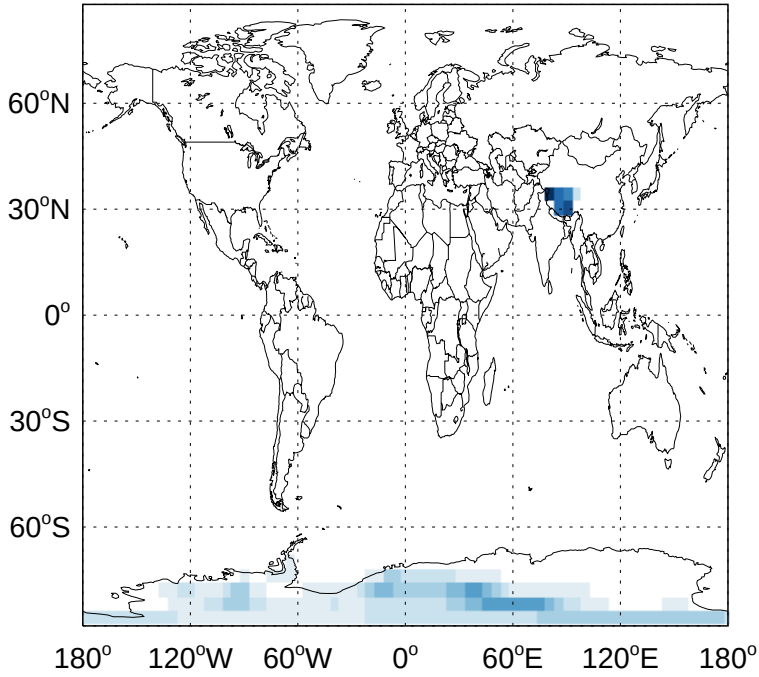
JNO3 - J-Value Diff @ 500 hPa for Oct



GEOS-Chem J-Values at surface and 500 hPa

v11-02e-Run0 - v11-02d-Run1

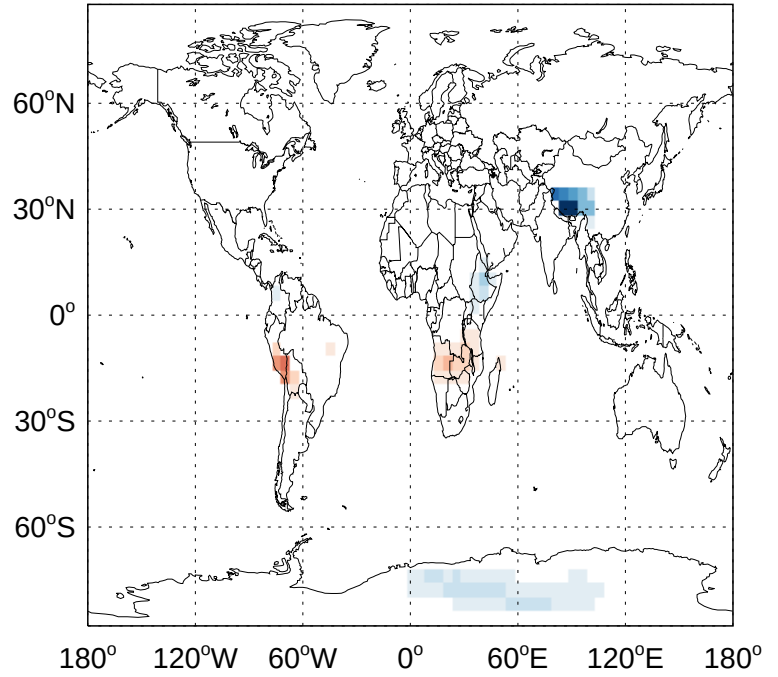
JCFC11 - J-Value Diff @ surface for Oct



-5.60e-19 -1.87e-19 1.87e-19 5.60e-19s-1

v11-02e-Run0 - v11-02d-Run1

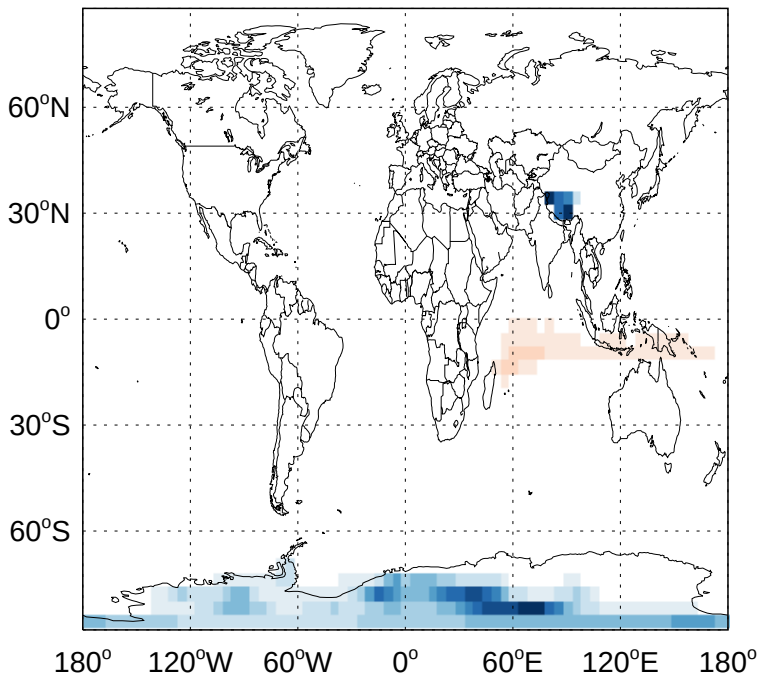
JCFC11 - J-Value Diff @ 500 hPa for Oct



-1.03e-15 -3.45e-16 3.45e-16 1.03e-15s-1

v11-02e-Run0 - v11-02c-Run0

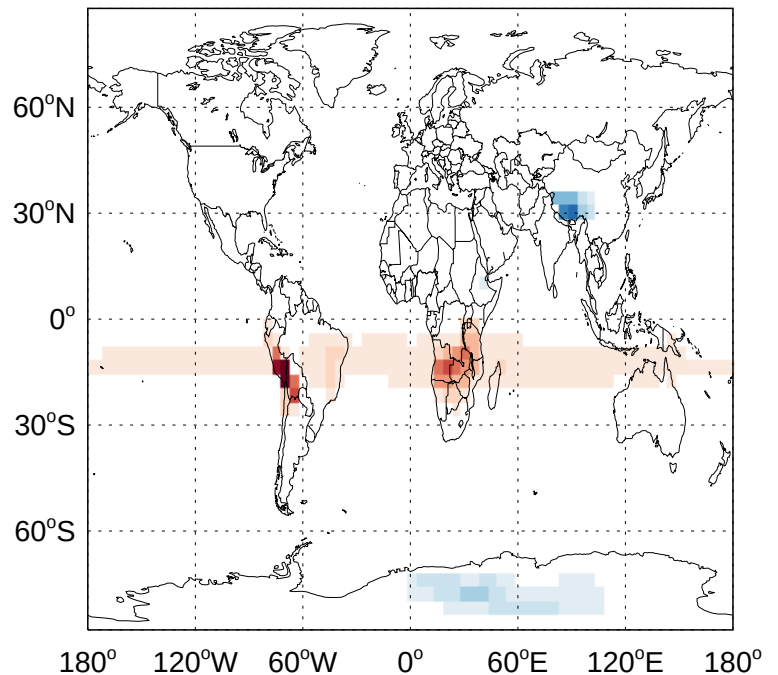
JCFC11 - J-Value Diff @ surface for Oct



-2.41e-19 -8.04e-20 8.04e-20 2.41e-19s-1

v11-02e-Run0 - v11-02c-Run0

JCFC11 - J-Value Diff @ 500 hPa for Oct

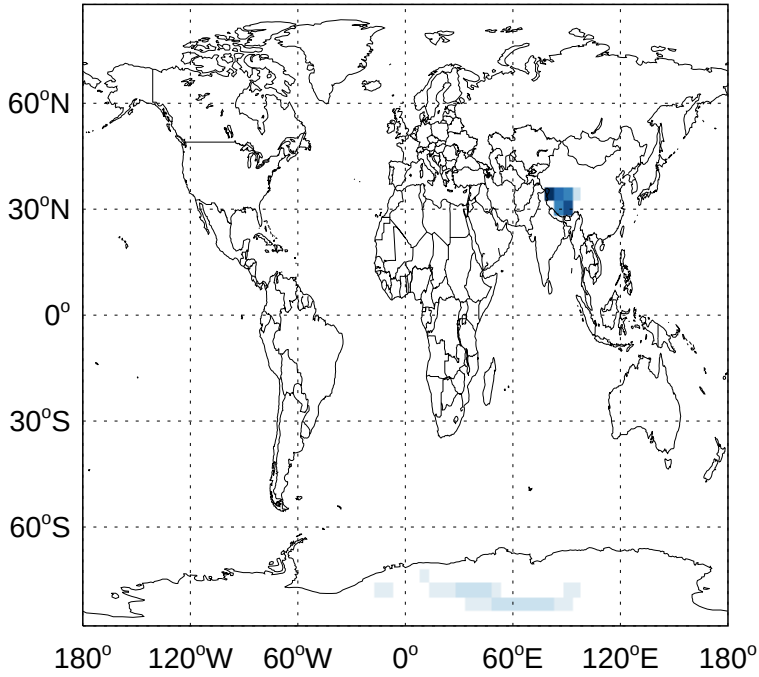


-7.89e-16 -2.63e-16 2.63e-16 7.89e-16s-1

GEOS-Chem J-Values at surface and 500 hPa

v11-02e-Run0 - v11-02d-Run1

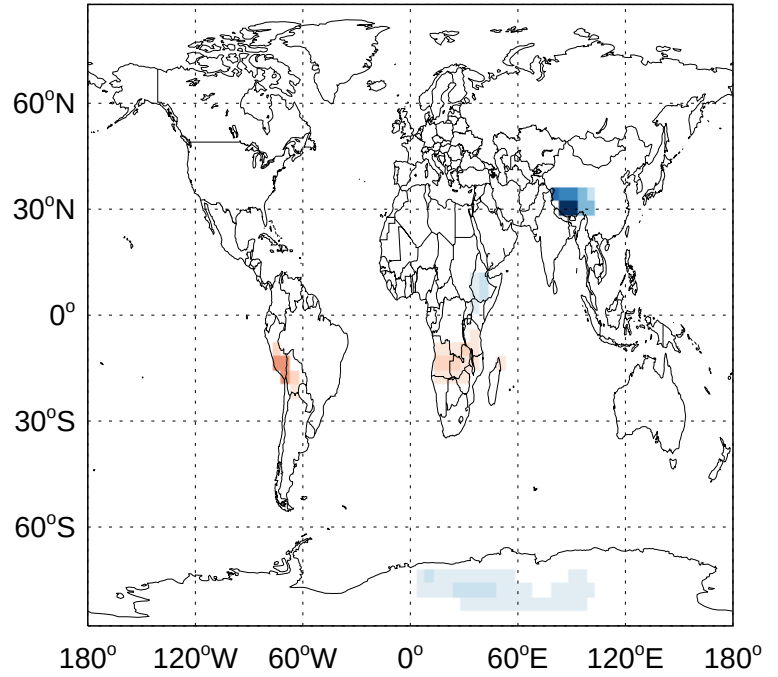
JCFC12 - J-Value Diff @ surface for Oct



-3.72e-20 -1.24e-20 1.24e-20 3.72e-20s-1

v11-02e-Run0 - v11-02d-Run1

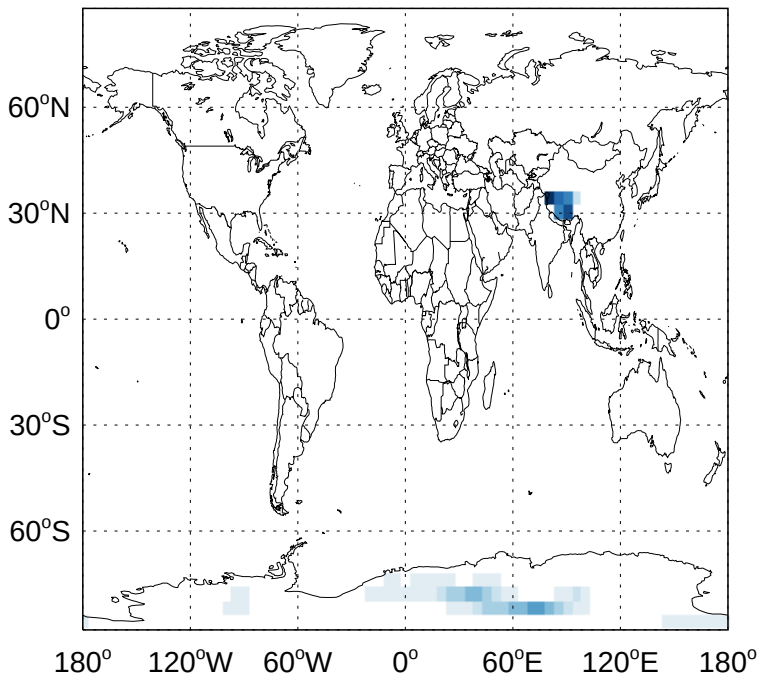
JCFC12 - J-Value Diff @ 500 hPa for Oct



-7.48e-17 -2.49e-17 2.49e-17 7.48e-17s-1

v11-02e-Run0 - v11-02c-Run0

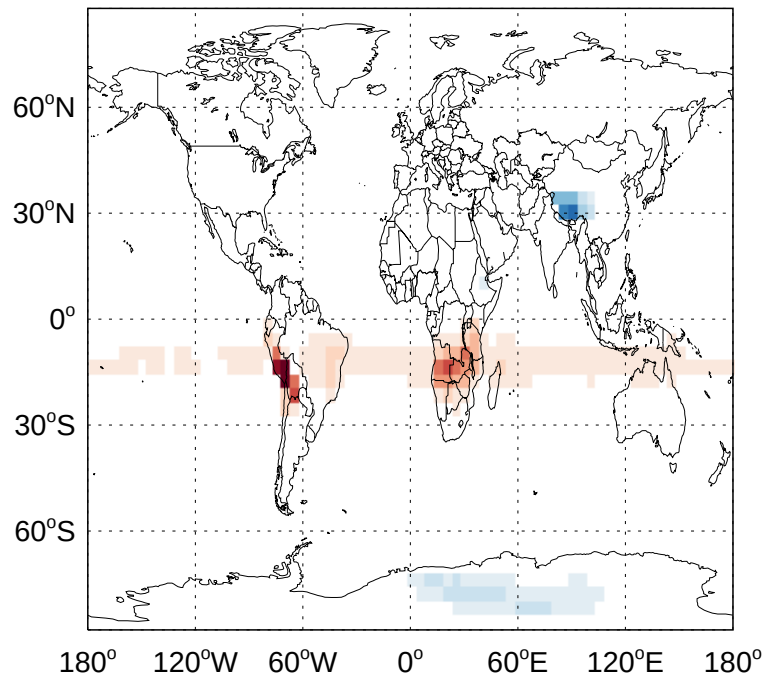
JCFC12 - J-Value Diff @ surface for Oct



-1.62e-20 -5.39e-21 5.39e-21 1.62e-20s-1

v11-02e-Run0 - v11-02c-Run0

JCFC12 - J-Value Diff @ 500 hPa for Oct

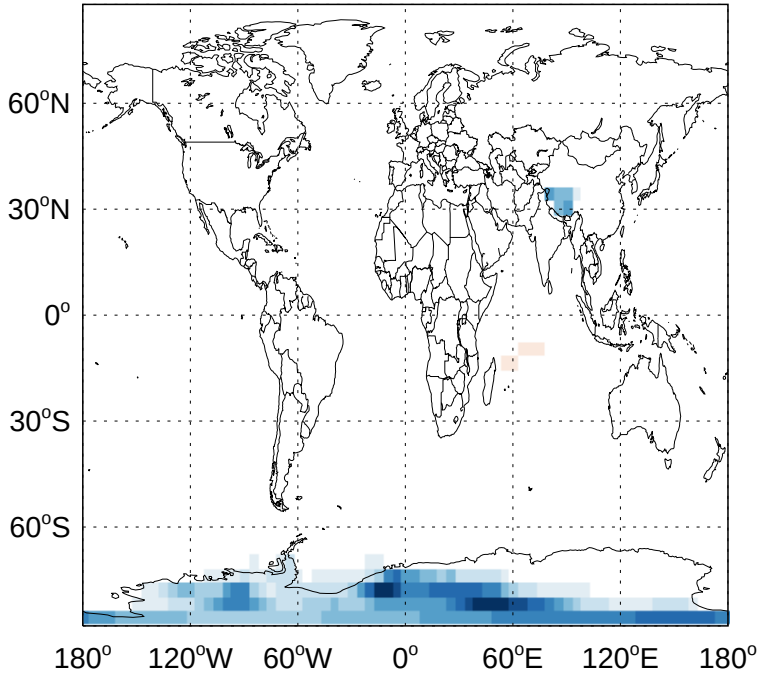


-5.66e-17 -1.89e-17 1.89e-17 5.66e-17s-1

GEOS-Chem J-Values at surface and 500 hPa

v11-02e-Run0 - v11-02d-Run1

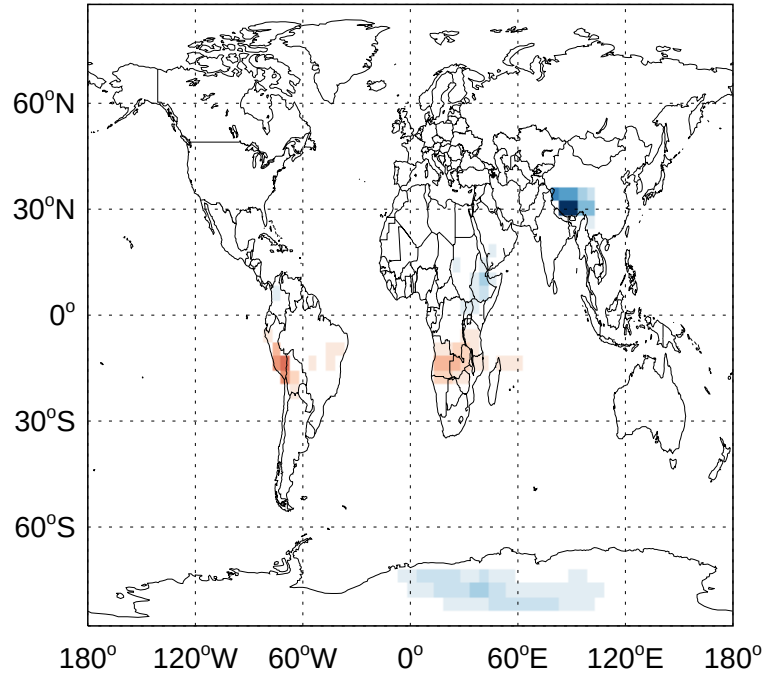
JCCI4 - J-Value Diff @ surface for Oct



-2.90e-18 -9.66e-19 9.66e-19 2.90e-18s-1

v11-02e-Run0 - v11-02d-Run1

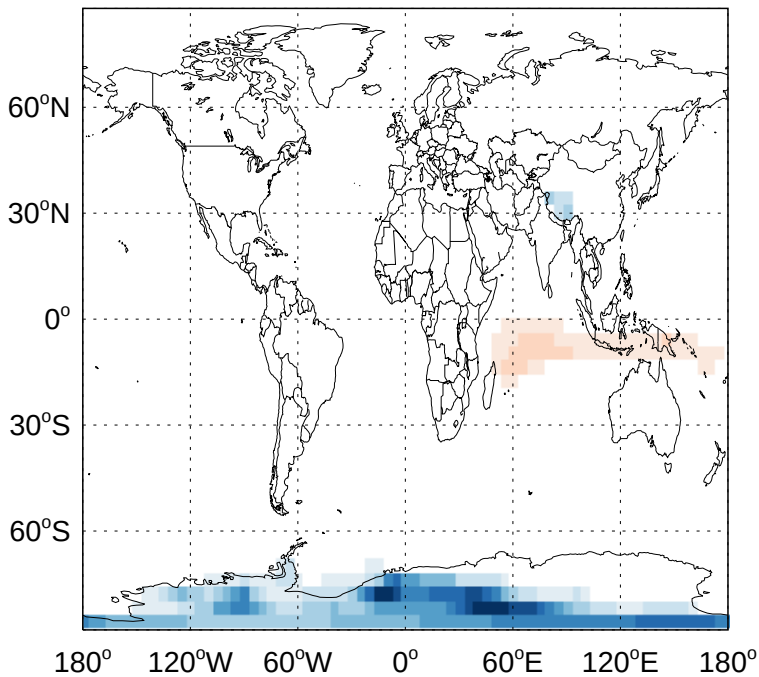
JCCI4 - J-Value Diff @ 500 hPa for Oct



-2.73e-15 -9.11e-16 9.11e-16 2.73e-15s-1

v11-02e-Run0 - v11-02c-Run0

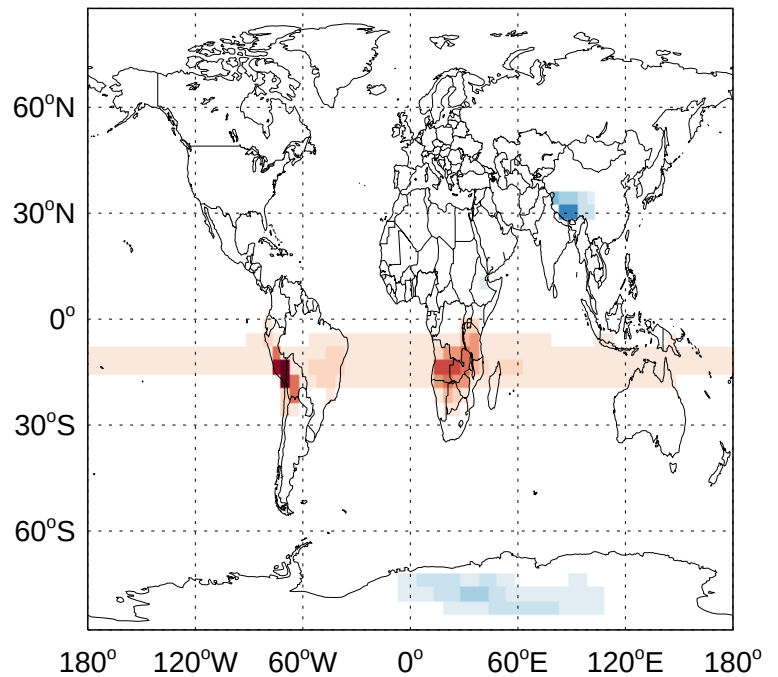
JCCI4 - J-Value Diff @ surface for Oct



-1.90e-18 -6.32e-19 6.32e-19 1.90e-18s-1

v11-02e-Run0 - v11-02c-Run0

JCCI4 - J-Value Diff @ 500 hPa for Oct

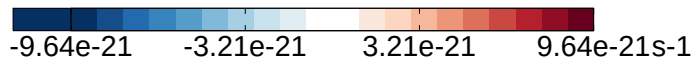
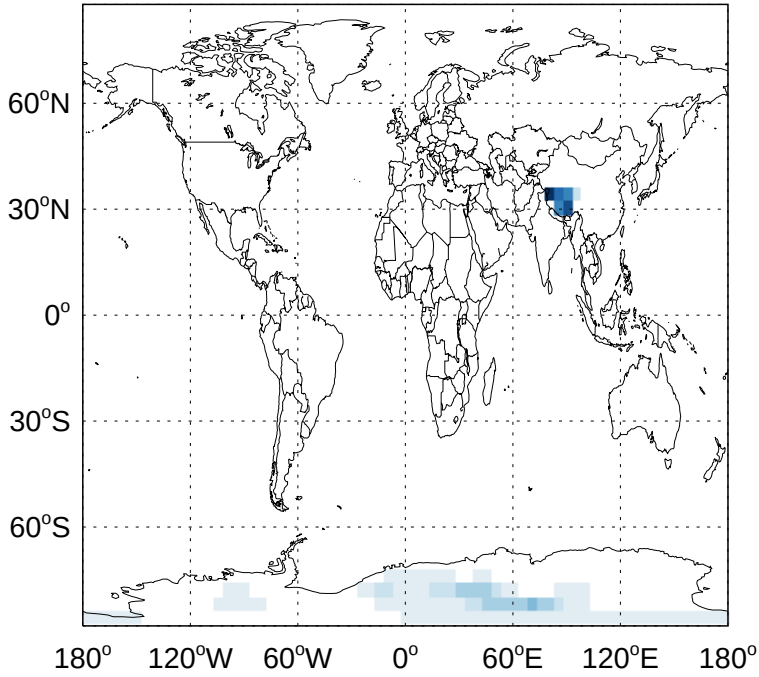


-2.16e-15 -7.21e-16 7.21e-16 2.16e-15s-1

GEOS-Chem J-Values at surface and 500 hPa

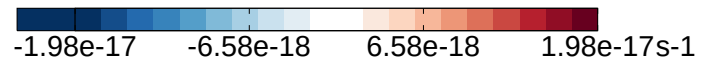
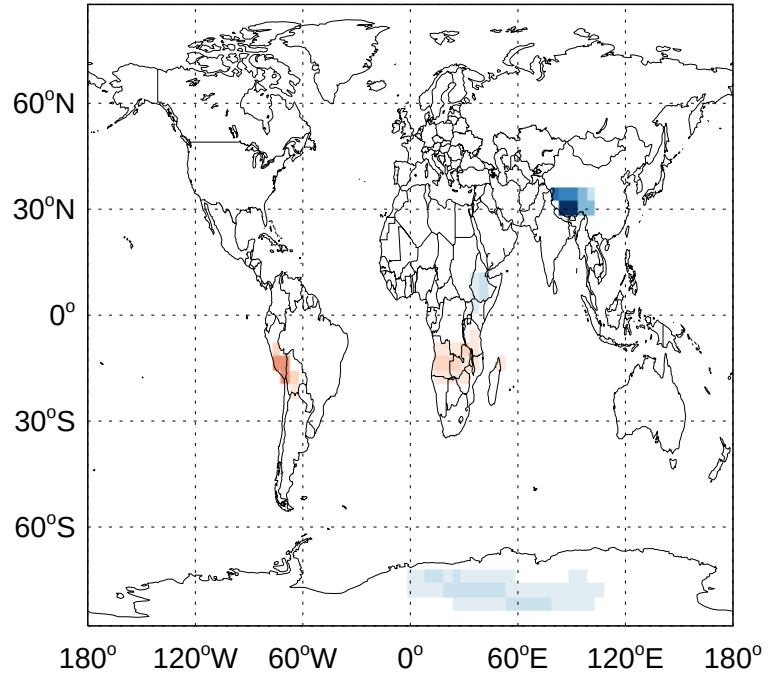
v11-02e-Run0 - v11-02d-Run1

JCH3Cl - J-Value Diff @ surface for Oct



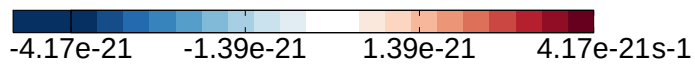
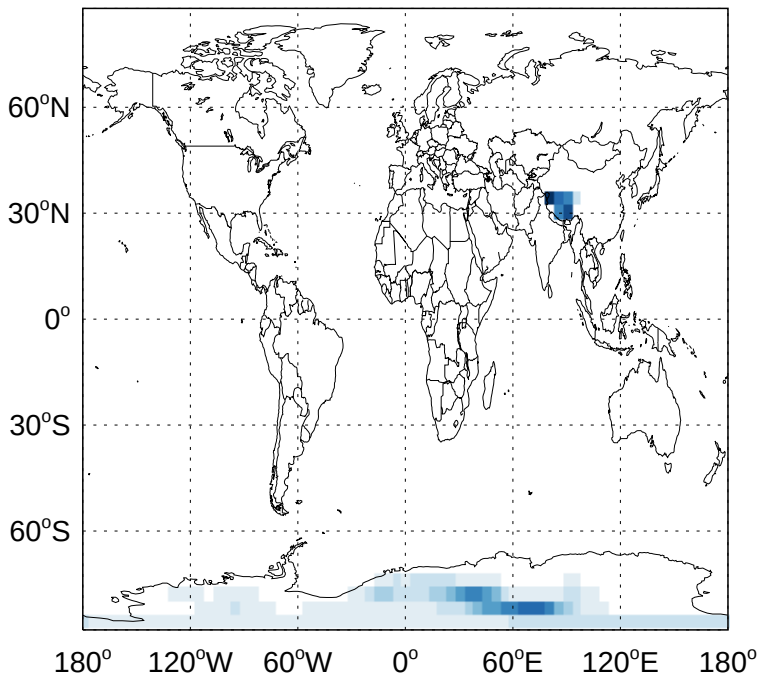
v11-02e-Run0 - v11-02d-Run1

JCH3Cl - J-Value Diff @ 500 hPa for Oct



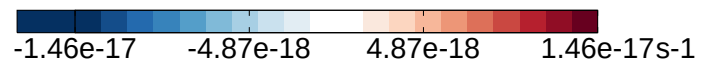
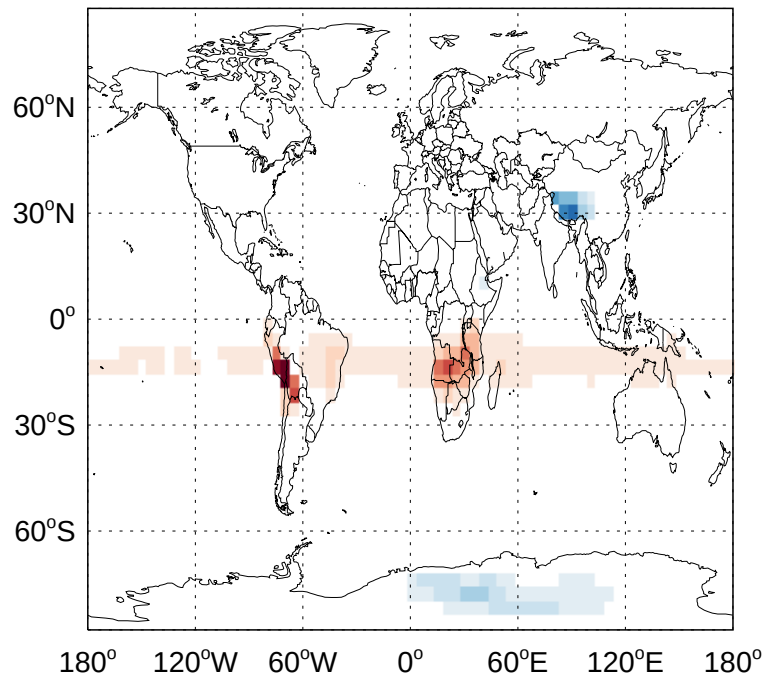
v11-02e-Run0 - v11-02c-Run0

JCH3Cl - J-Value Diff @ surface for Oct



v11-02e-Run0 - v11-02c-Run0

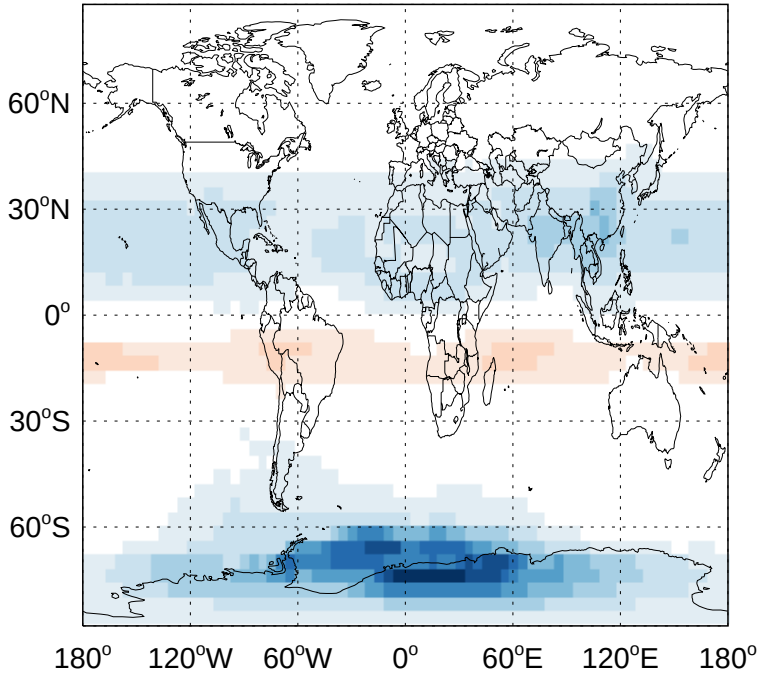
JCH3Cl - J-Value Diff @ 500 hPa for Oct



GEOS-Chem J-Values at surface and 500 hPa

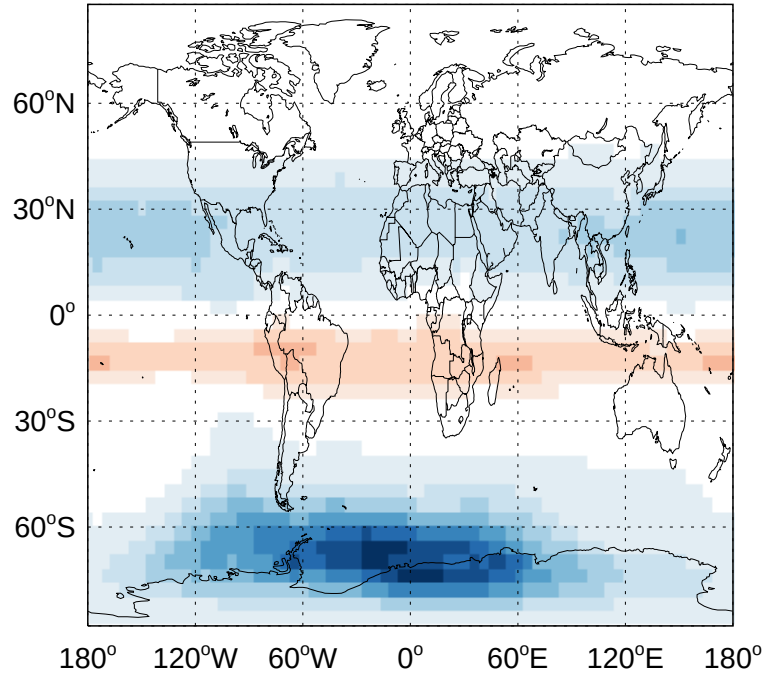
v11-02e-Run0 - v11-02d-Run1

JACET - J-Value Diff @ surface for Oct



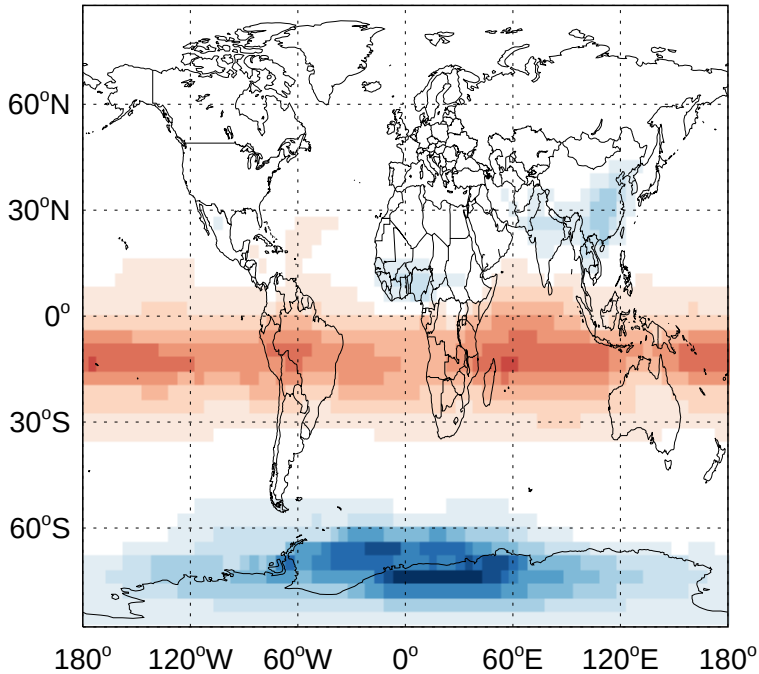
v11-02e-Run0 - v11-02d-Run1

JACET - J-Value Diff @ 500 hPa for Oct



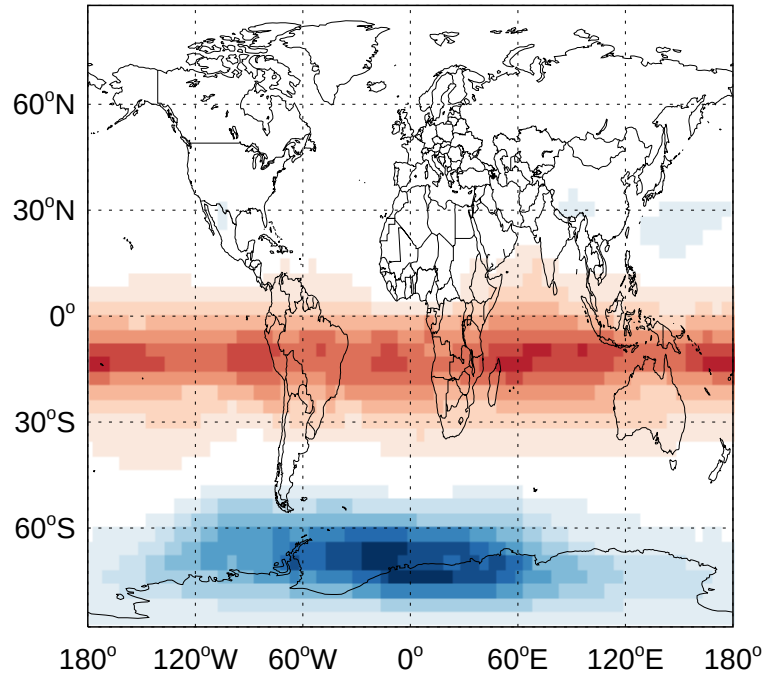
v11-02e-Run0 - v11-02c-Run0

JACET - J-Value Diff @ surface for Oct



v11-02e-Run0 - v11-02c-Run0

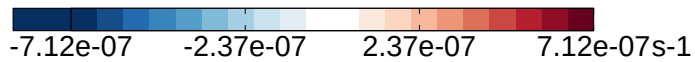
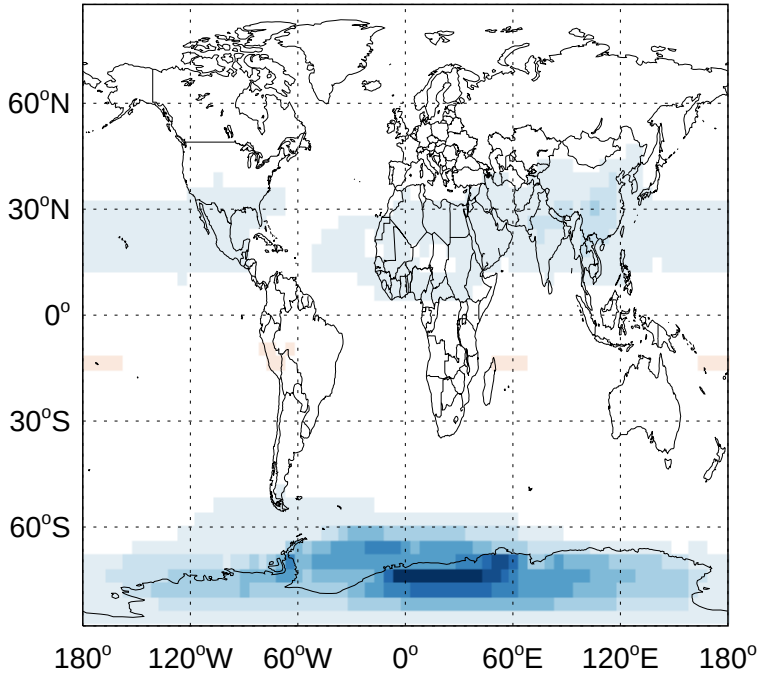
JACET - J-Value Diff @ 500 hPa for Oct



GEOS-Chem J-Values at surface and 500 hPa

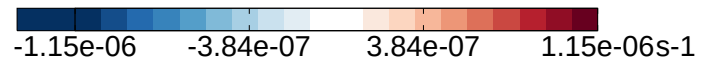
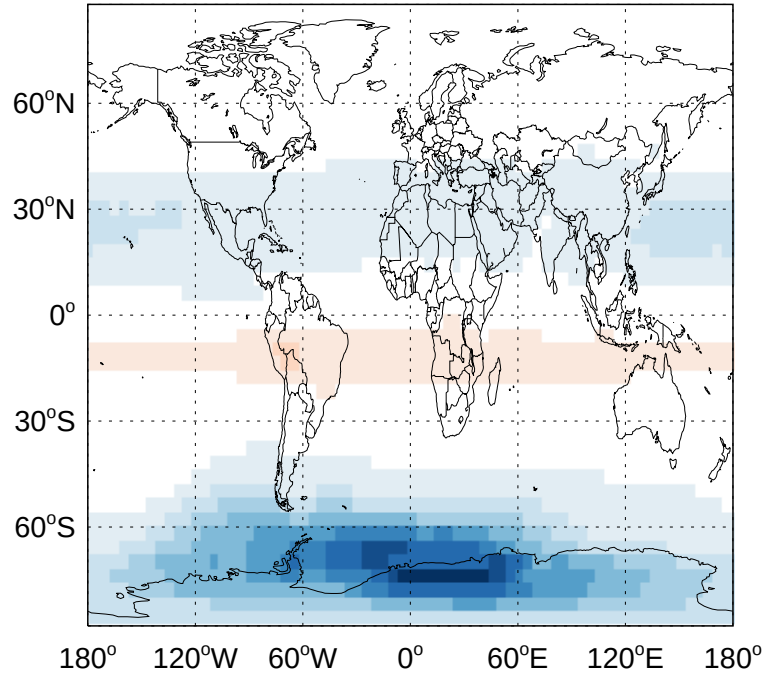
v11-02e-Run0 - v11-02d-Run1

JALD2 - J-Value Diff @ surface for Oct



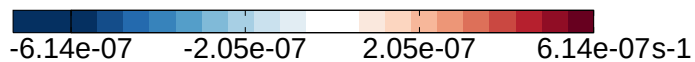
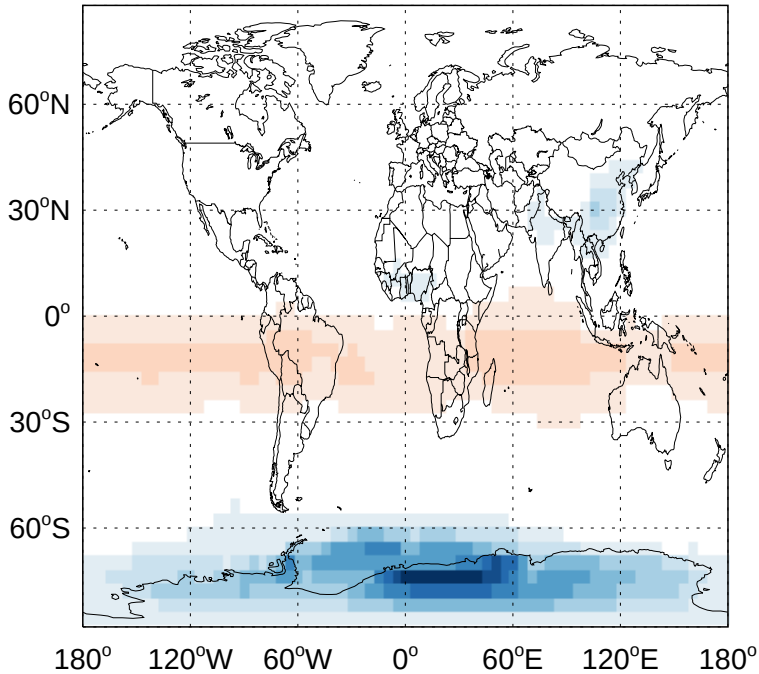
v11-02e-Run0 - v11-02d-Run1

JALD2 - J-Value Diff @ 500 hPa for Oct



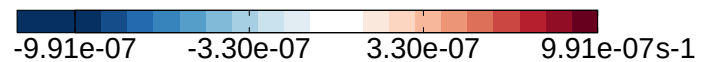
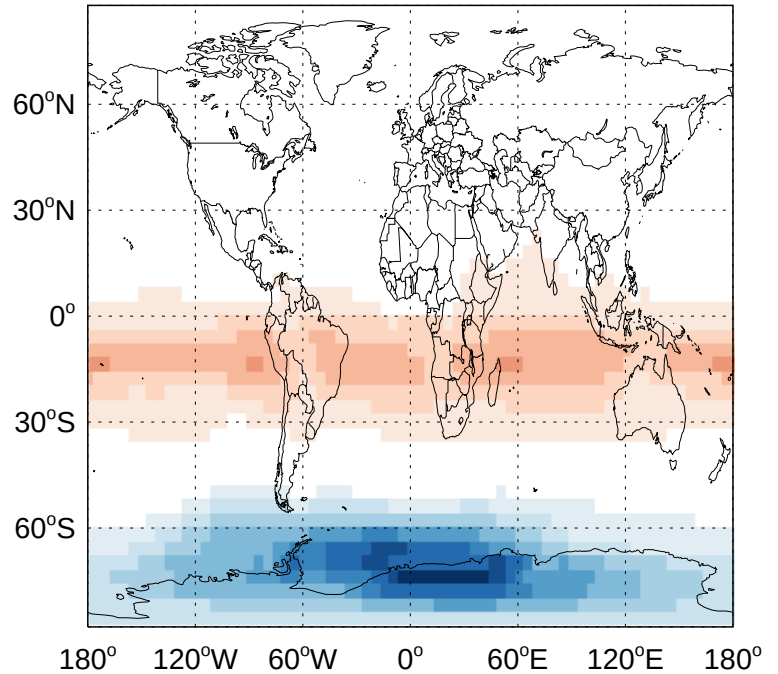
v11-02e-Run0 - v11-02c-Run0

JALD2 - J-Value Diff @ surface for Oct



v11-02e-Run0 - v11-02c-Run0

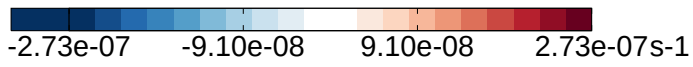
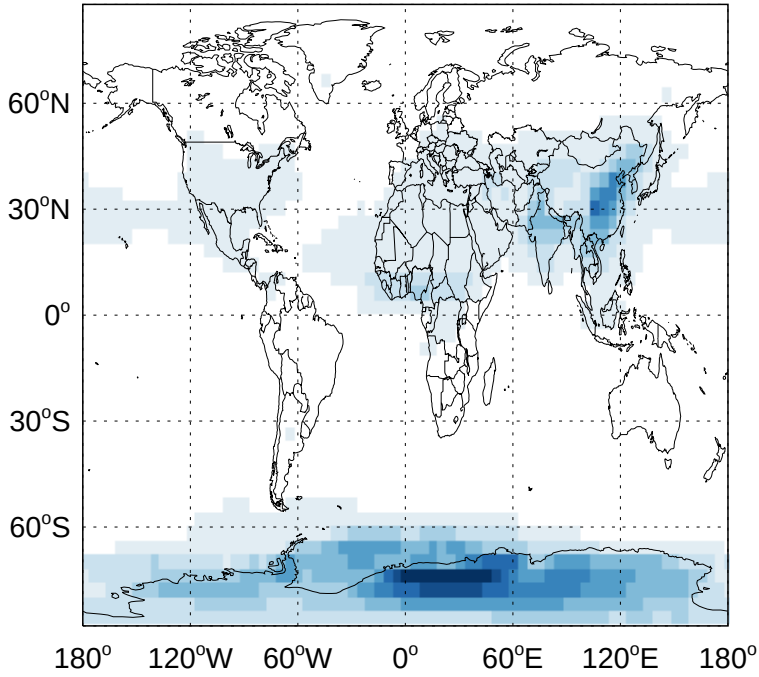
JALD2 - J-Value Diff @ 500 hPa for Oct



GEOS-Chem J-Values at surface and 500 hPa

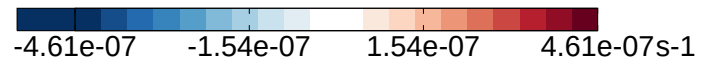
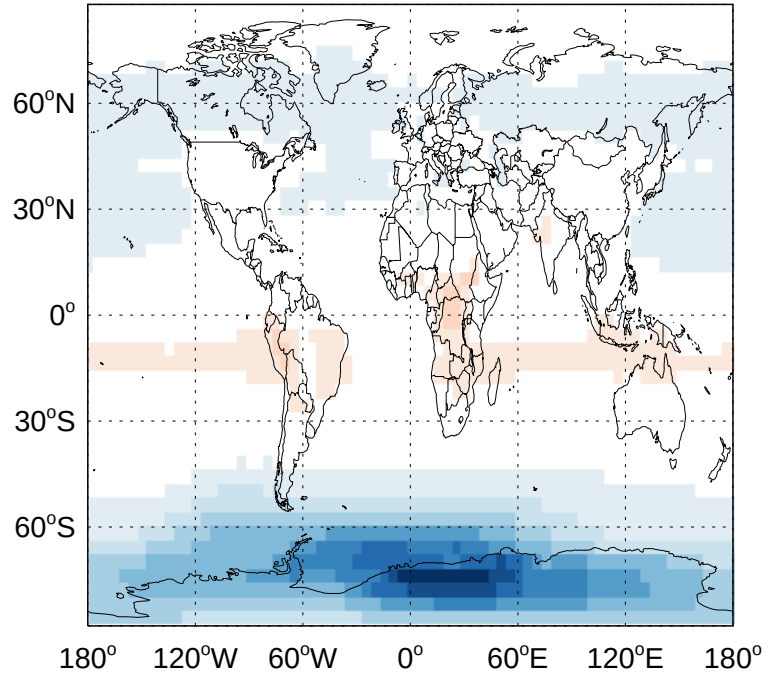
v11-02e-Run0 - v11-02d-Run1

JMVK - J-Value Diff @ surface for Oct



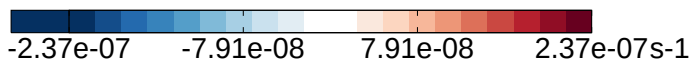
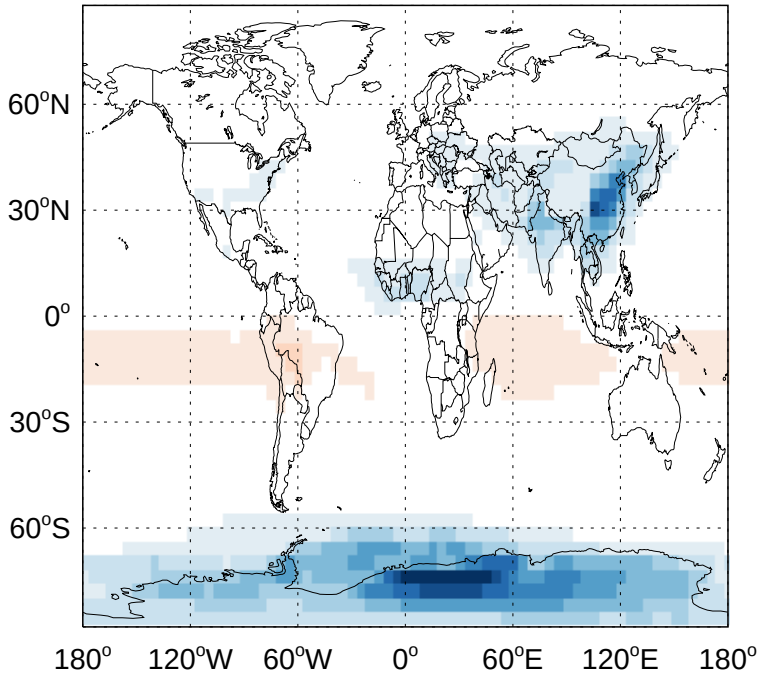
v11-02e-Run0 - v11-02d-Run1

JMVK - J-Value Diff @ 500 hPa for Oct



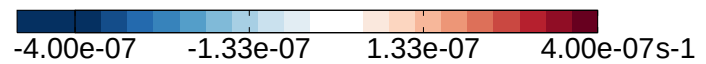
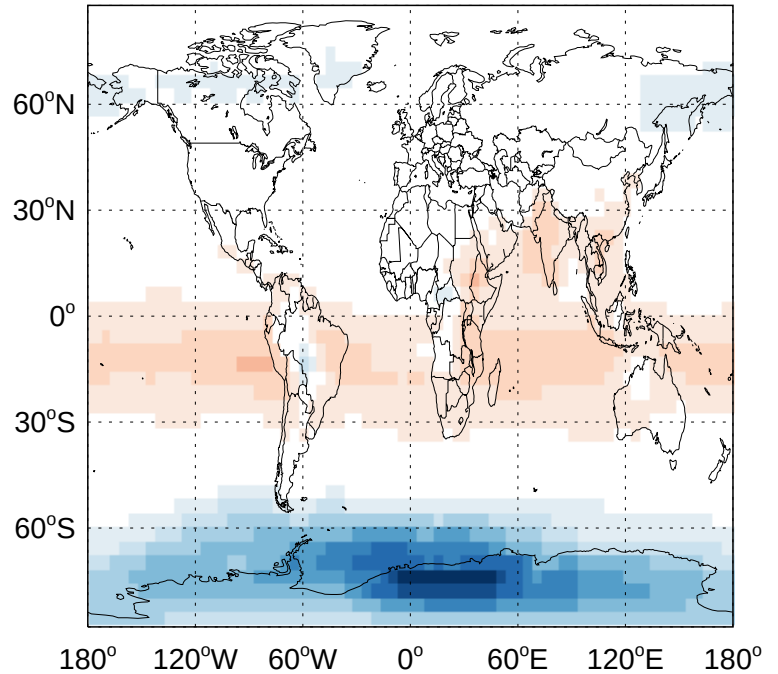
v11-02e-Run0 - v11-02c-Run0

JMVK - J-Value Diff @ surface for Oct



v11-02e-Run0 - v11-02c-Run0

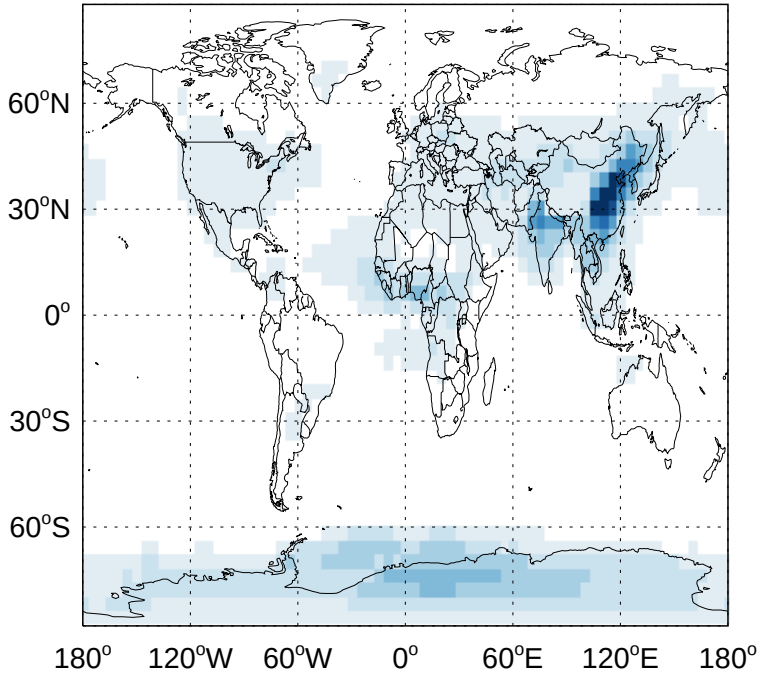
JMVK - J-Value Diff @ 500 hPa for Oct



GEOS-Chem J-Values at surface and 500 hPa

v11-02e-Run0 - v11-02d-Run1

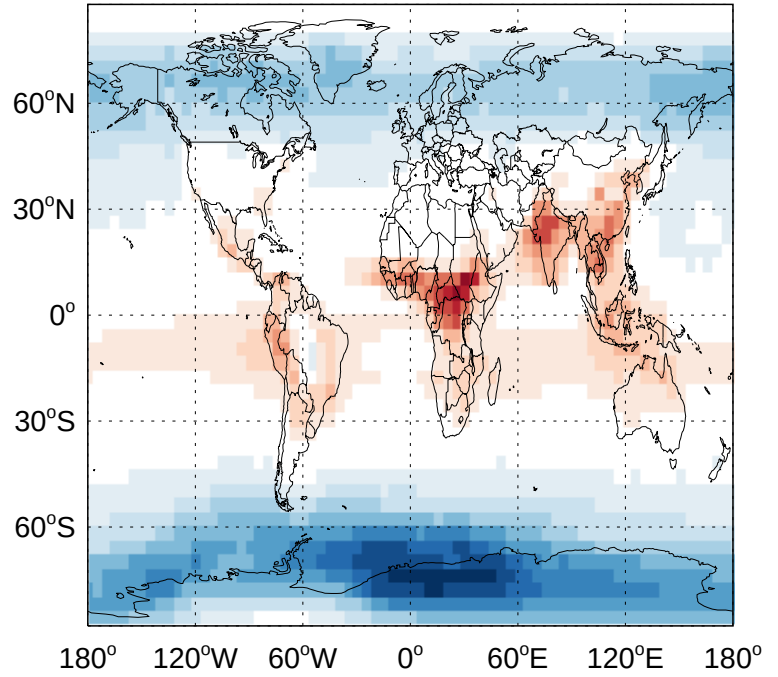
JMACR - J-Value Diff @ surface for Oct



-6.09e-08 -2.03e-08 2.03e-08 6.09e-08s-1

v11-02e-Run0 - v11-02d-Run1

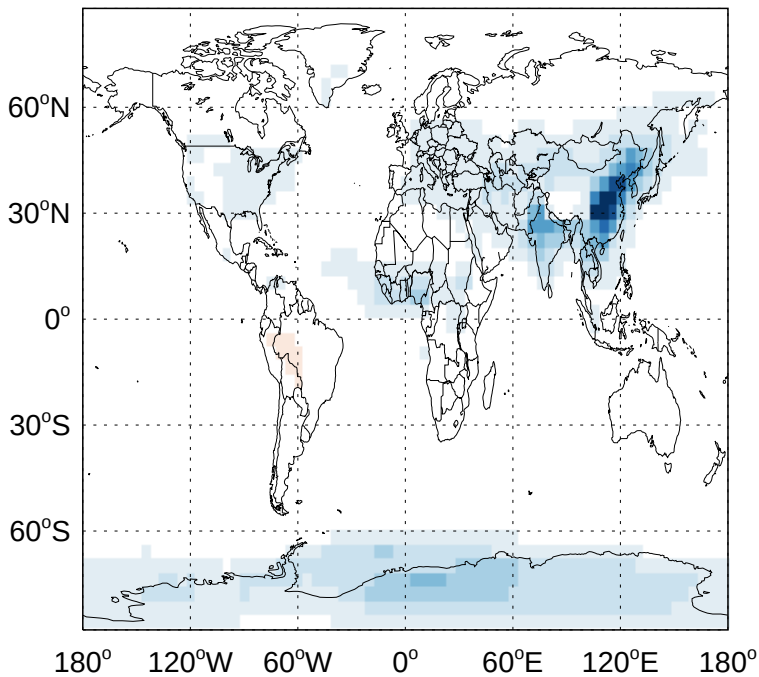
JMACR - J-Value Diff @ 500 hPa for Oct



-3.31e-08 -1.10e-08 1.10e-08 3.31e-08s-1

v11-02e-Run0 - v11-02c-Run0

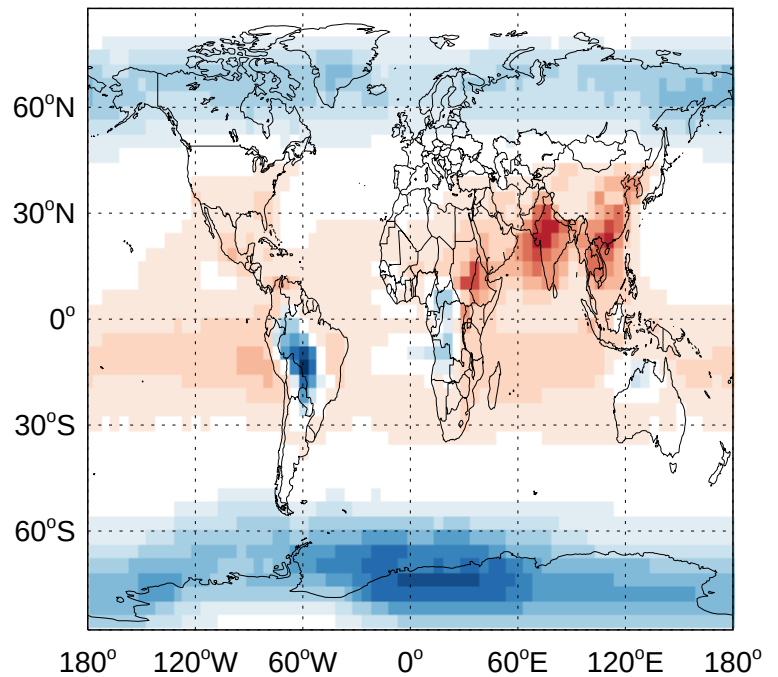
JMACR - J-Value Diff @ surface for Oct



-5.99e-08 -2.00e-08 2.00e-08 5.99e-08s-1

v11-02e-Run0 - v11-02c-Run0

JMACR - J-Value Diff @ 500 hPa for Oct

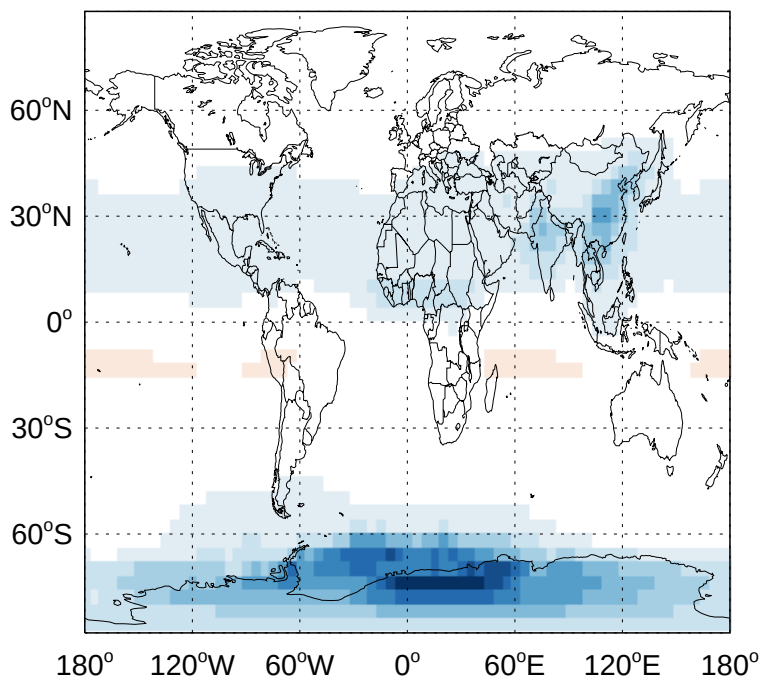


-3.35e-08 -1.12e-08 1.12e-08 3.35e-08s-1

GEOS-Chem J-Values at surface and 500 hPa

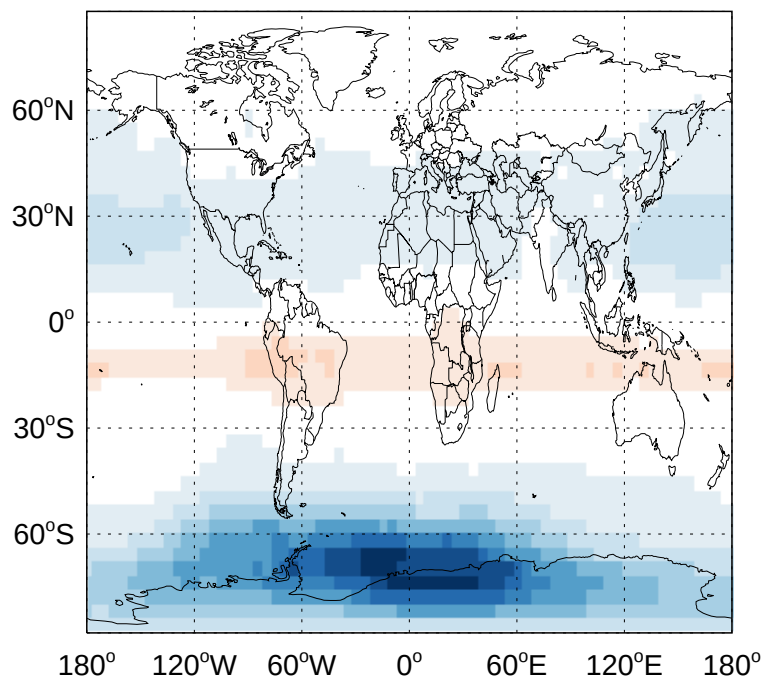
v11-02e-Run0 - v11-02d-Run1

JHAC - J-Value Diff @ surface for Oct



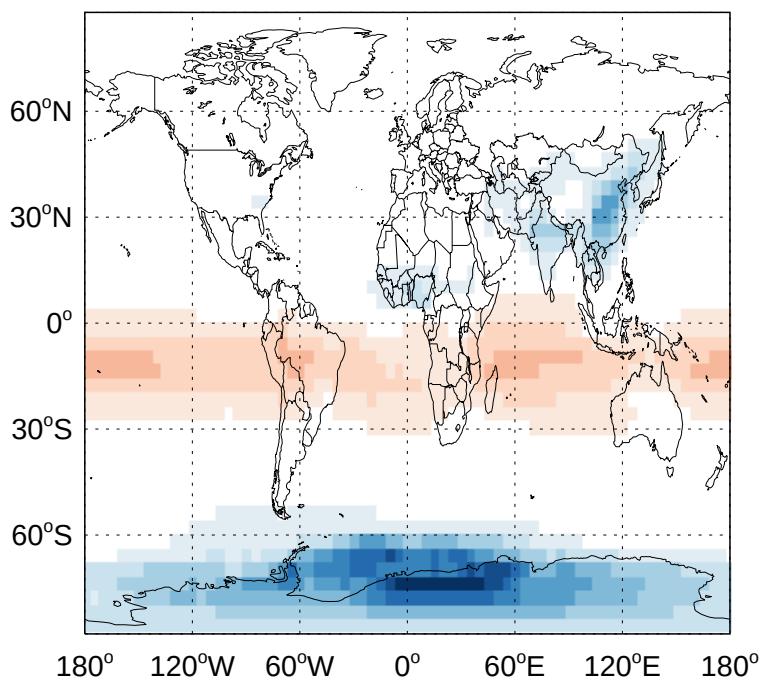
v11-02e-Run0 - v11-02d-Run1

JHAC - J-Value Diff @ 500 hPa for Oct



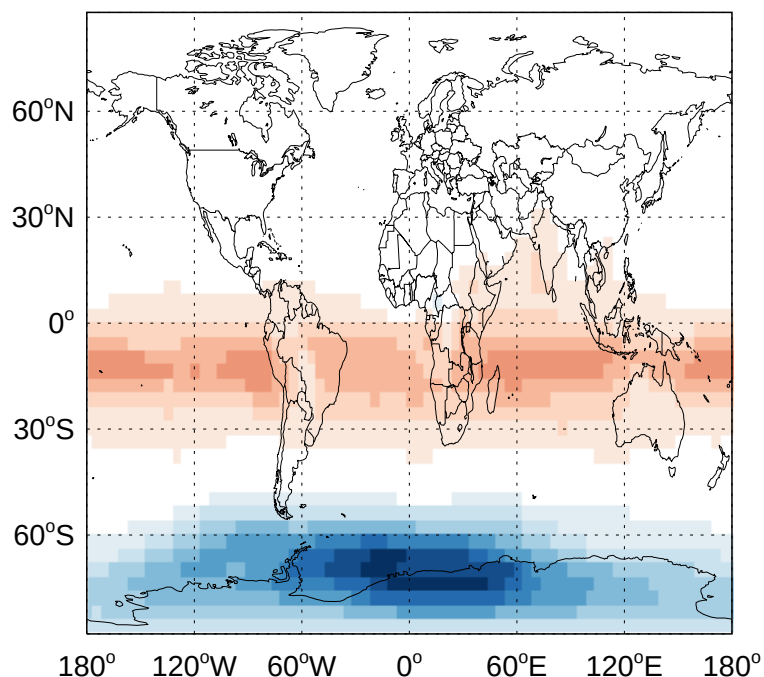
v11-02e-Run0 - v11-02c-Run0

JHAC - J-Value Diff @ surface for Oct



v11-02e-Run0 - v11-02c-Run0

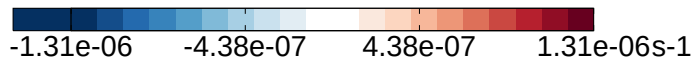
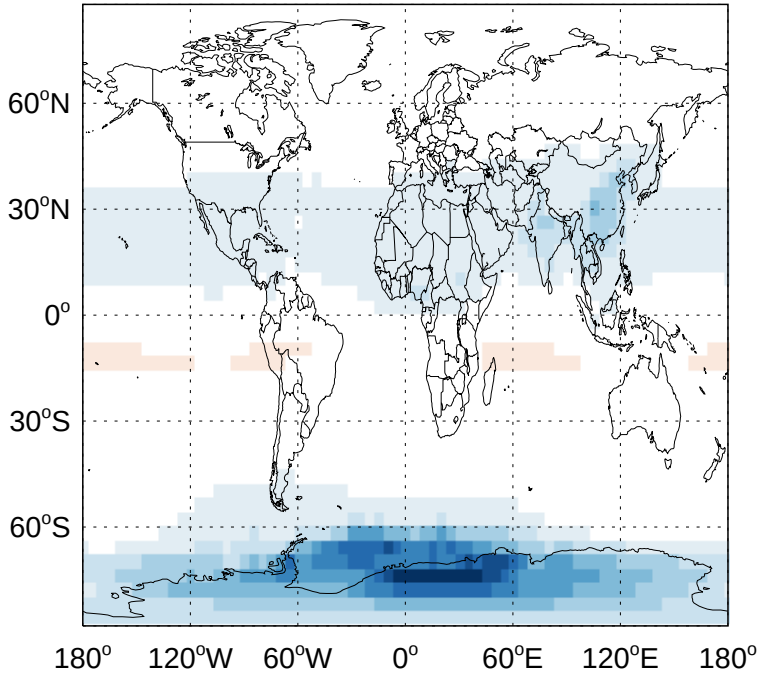
JHAC - J-Value Diff @ 500 hPa for Oct



GEOS-Chem J-Values at surface and 500 hPa

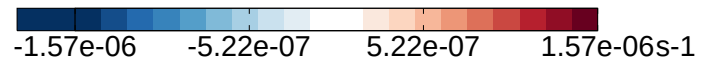
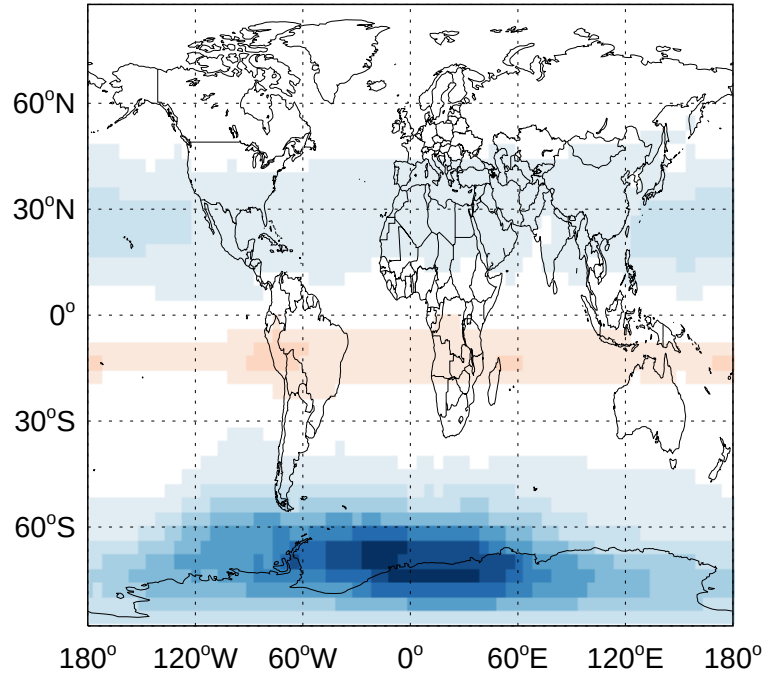
v11-02e-Run0 - v11-02d-Run1

JGLYC - J-Value Diff @ surface for Oct



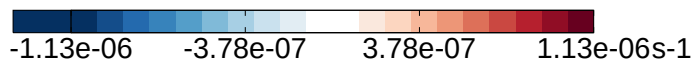
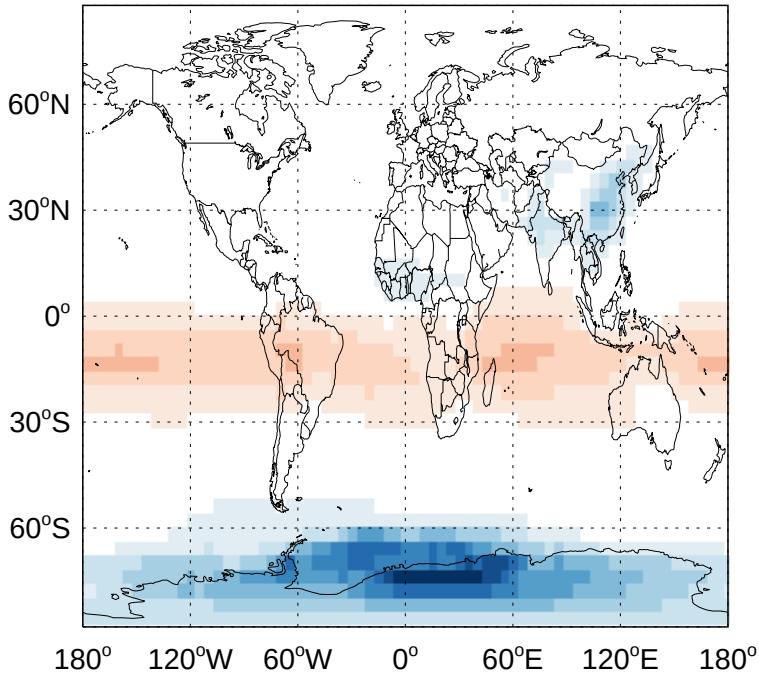
v11-02e-Run0 - v11-02d-Run1

JGLYC - J-Value Diff @ 500 hPa for Oct



v11-02e-Run0 - v11-02c-Run0

JGLYC - J-Value Diff @ surface for Oct



v11-02e-Run0 - v11-02c-Run0

JGLYC - J-Value Diff @ 500 hPa for Oct

