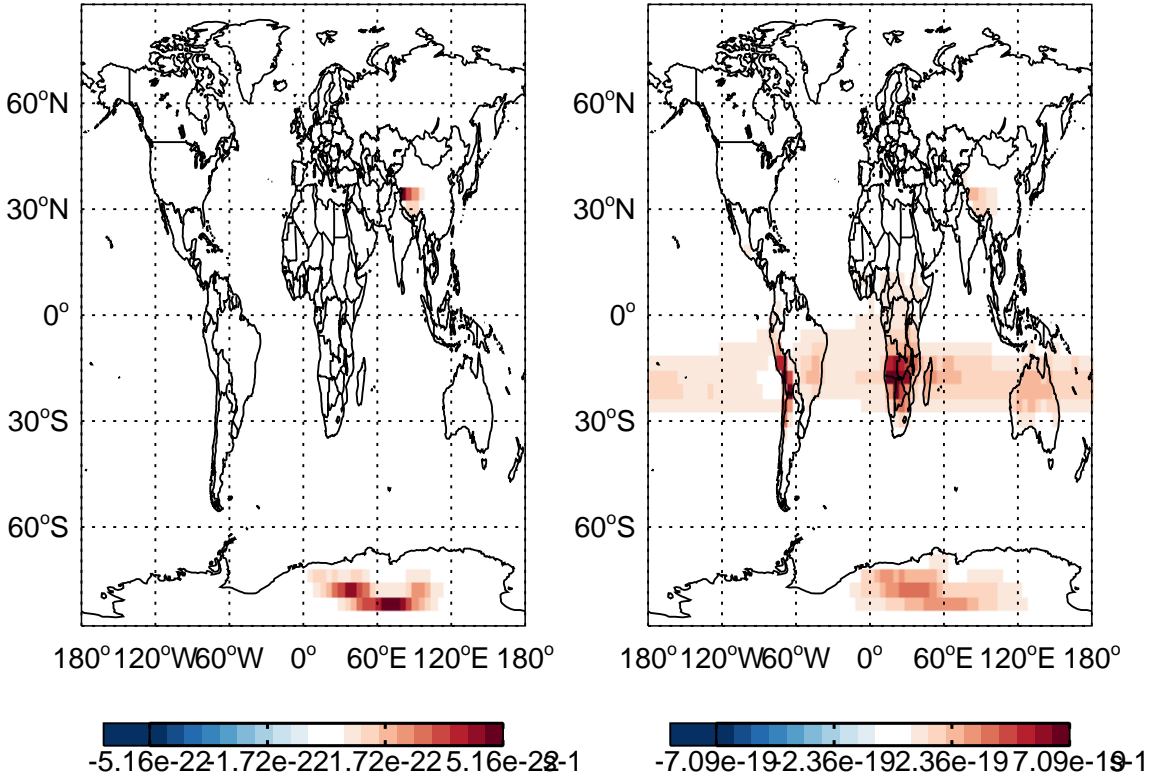


GEOS-Chem J-Values at surface and 500 hPa

v11-01k-Run0 - v11-01g-Run0

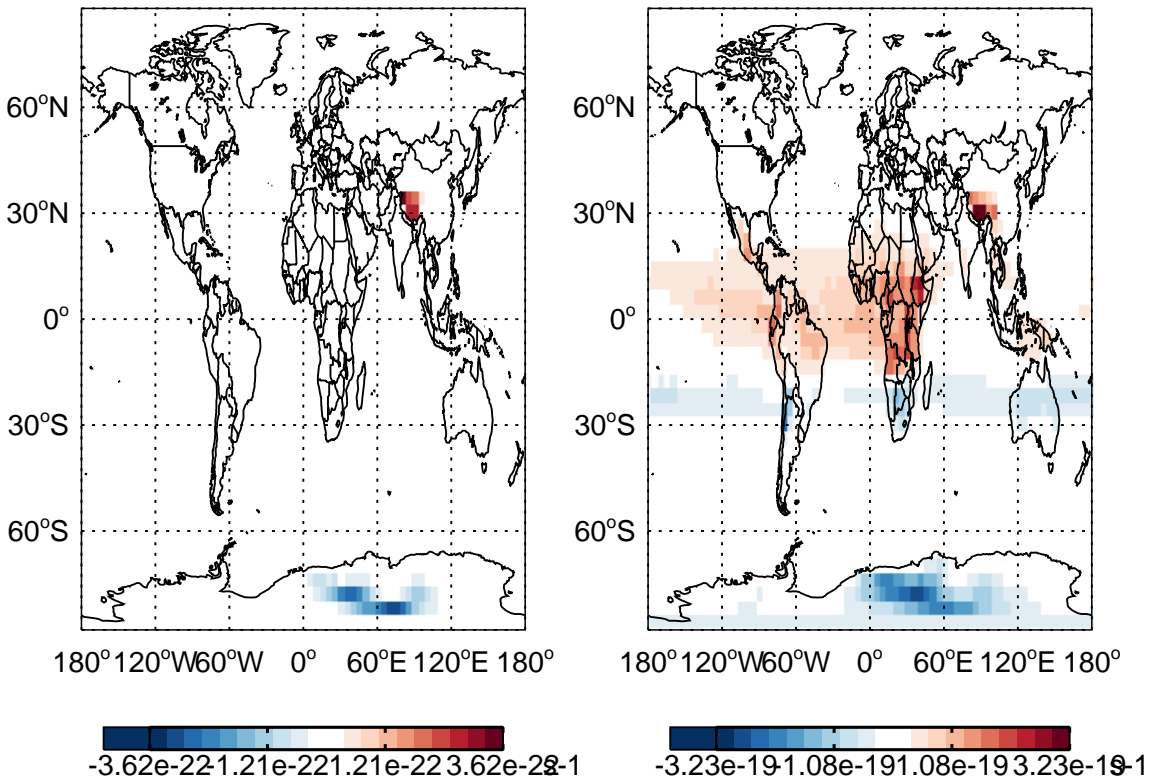
v11-01k-Run0 - v11-01g-Run0

JNO - J-Value Diff @ surface for Oct JNO - J-Value Diff @ 500 hPa for Oct



v11-01k-Run0 - v11-01f-geosfp-Run0 v11-01k-Run0 - v11-01f-geosfp-Run0

JNO - J-Value Diff @ surface for Oct JNO - J-Value Diff @ 500 hPa for Oct



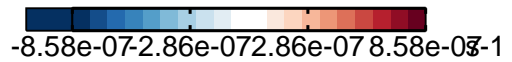
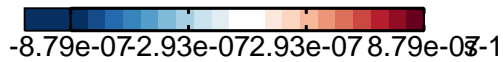
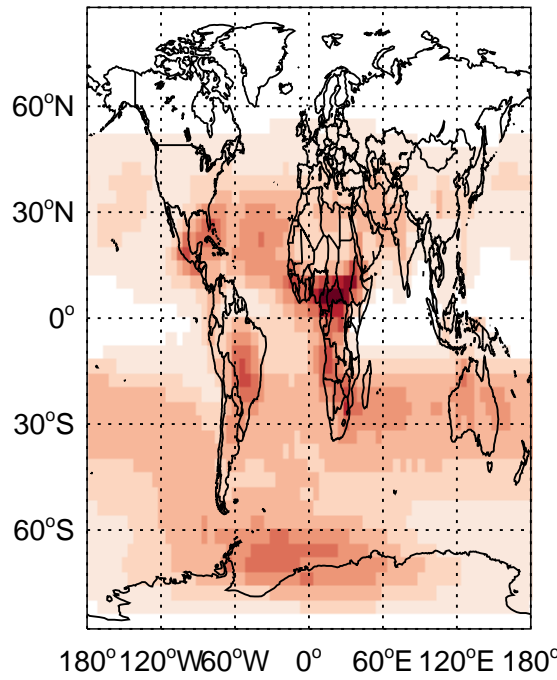
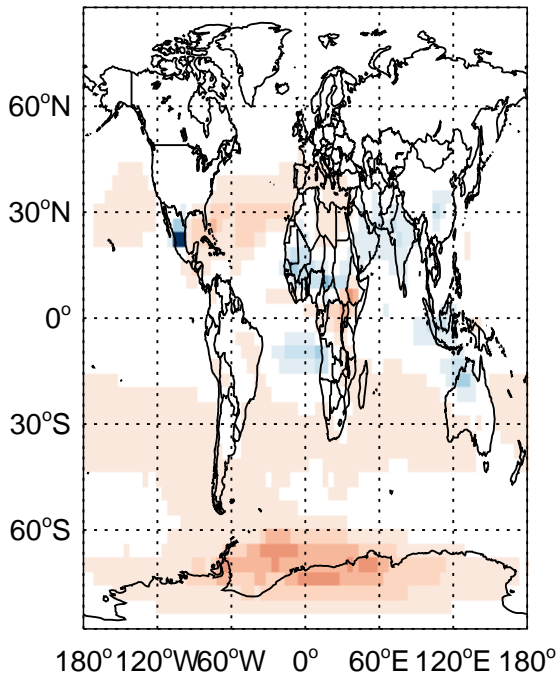
GEOS-Chem J-Values at surface and 500 hPa

v11-01k-Run0 - v11-01g-Run0

v11-01k-Run0 - v11-01g-Run0

JO3_O1D - J-Value Diff @ surface for Oct

JO3_O1D - J-Value Diff @ 500 hPa for Oct

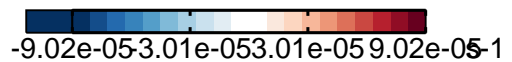
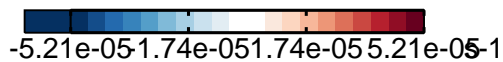
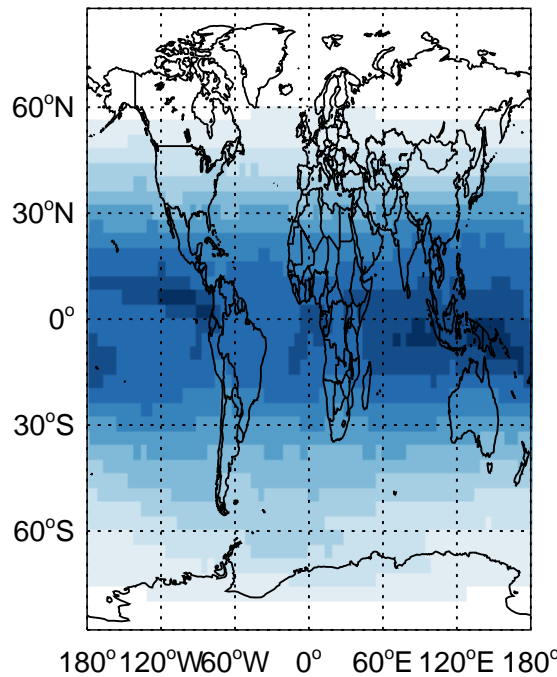
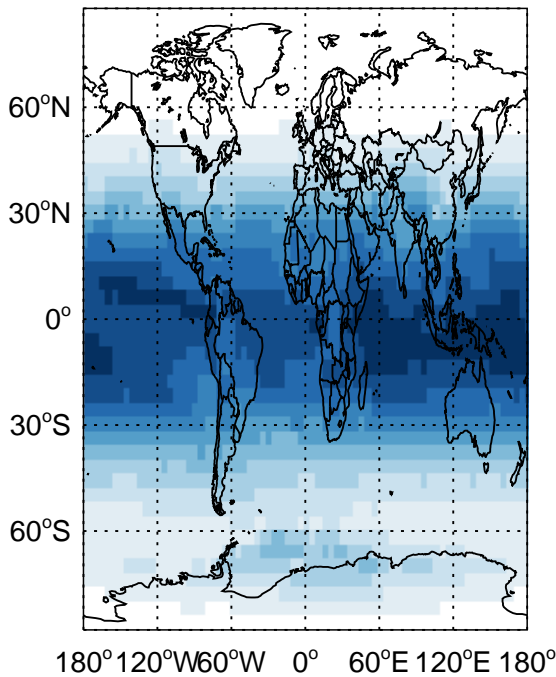


v11-01k-Run0 - v11-01f-geosfp-Run0

v11-01k-Run0 - v11-01f-geosfp-Run0

JO3_O1D - J-Value Diff @ surface for Oct

JO3_O1D - J-Value Diff @ 500 hPa for Oct



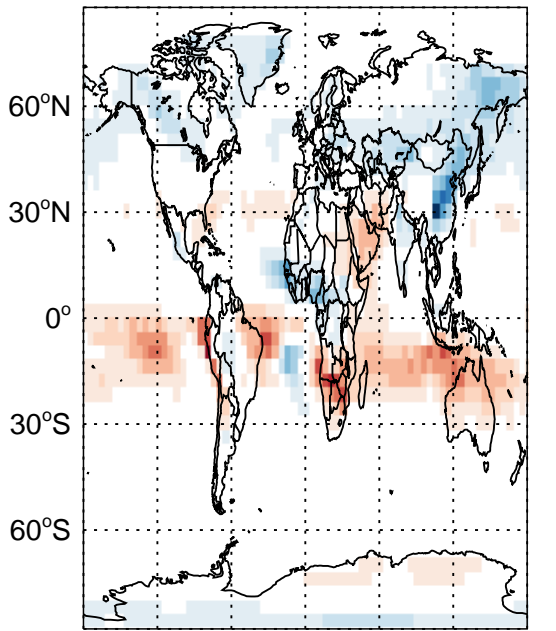
GEOS-Chem J-Values at surface and 500 hPa

v11-01k-Run0 - v11-01g-Run0

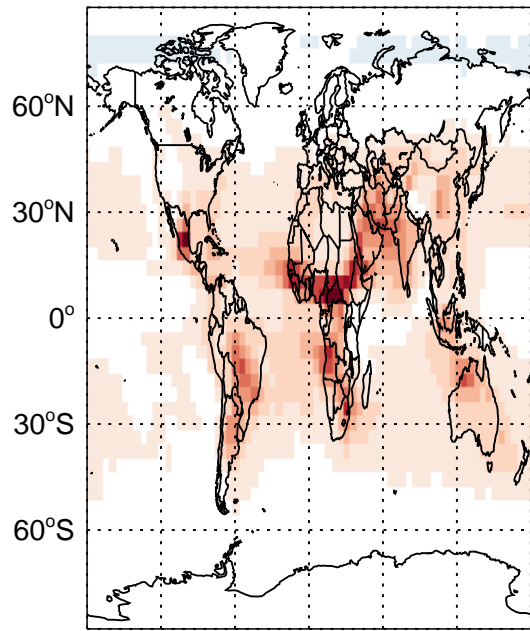
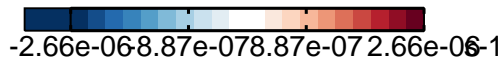
v11-01k-Run0 - v11-01g-Run0

JO3_O3P - J-Value Diff @ surface for Oct

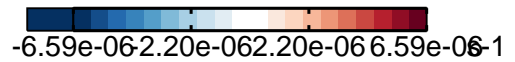
JO3_O3P - J-Value Diff @ 500 hPa for Oct



180° 120°W 60°W 0° 60°E 120°E 180°



180° 120°W 60°W 0° 60°E 120°E 180°

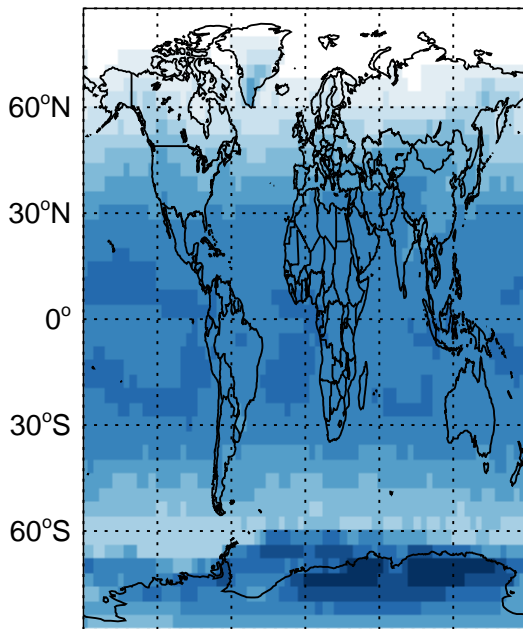


v11-01k-Run0 - v11-01f-geosfp-Run0

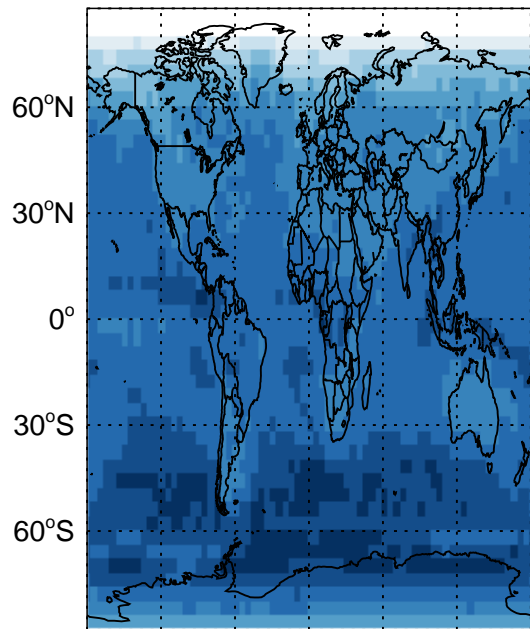
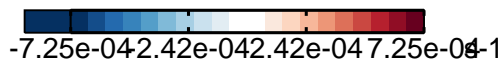
v11-01k-Run0 - v11-01f-geosfp-Run0

JO3_O3P - J-Value Diff @ surface for Oct

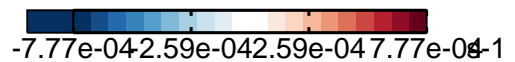
JO3_O3P - J-Value Diff @ 500 hPa for Oct



180° 120°W 60°W 0° 60°E 120°E 180°



180° 120°W 60°W 0° 60°E 120°E 180°



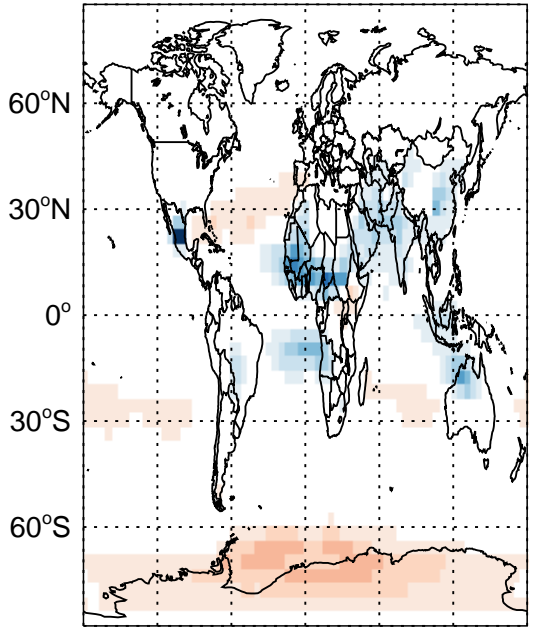
GEOS-Chem J-Values at surface and 500 hPa

v11-01k-Run0 - v11-01g-Run0

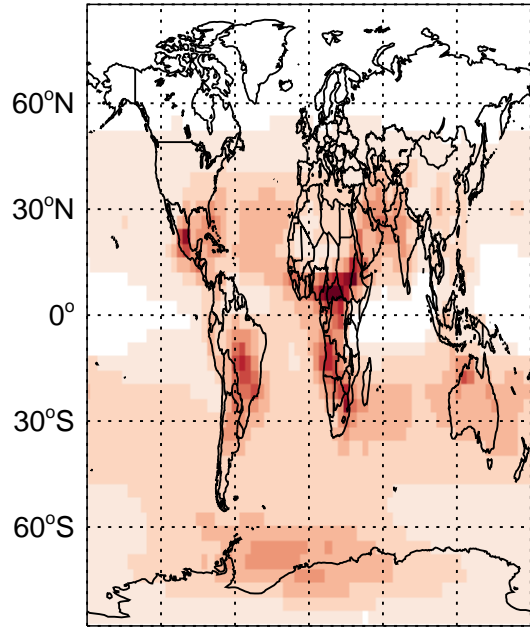
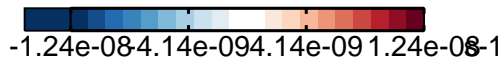
v11-01k-Run0 - v11-01g-Run0

JHNO3 - J-Value Diff @ surface for Oct

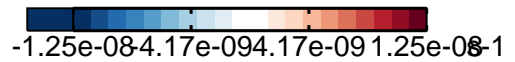
JHNO3 - J-Value Diff @ 500 hPa for Oct



180° 120°W 60°W 0° 60°E 120°E 180°



180° 120°W 60°W 0° 60°E 120°E 180°

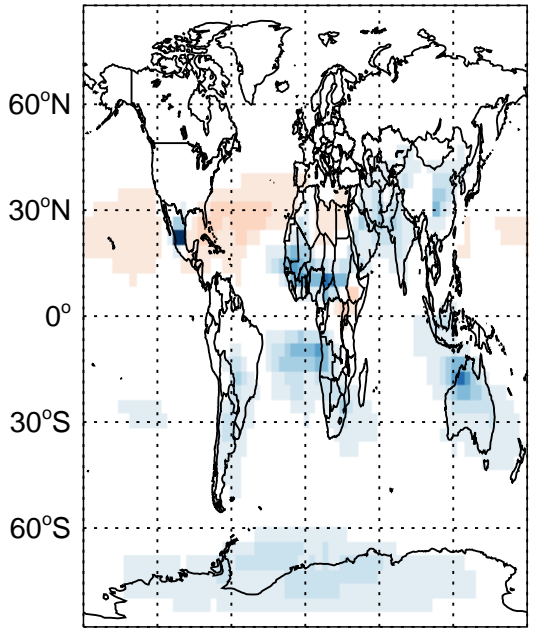


v11-01k-Run0 - v11-01f-geosfp-Run0

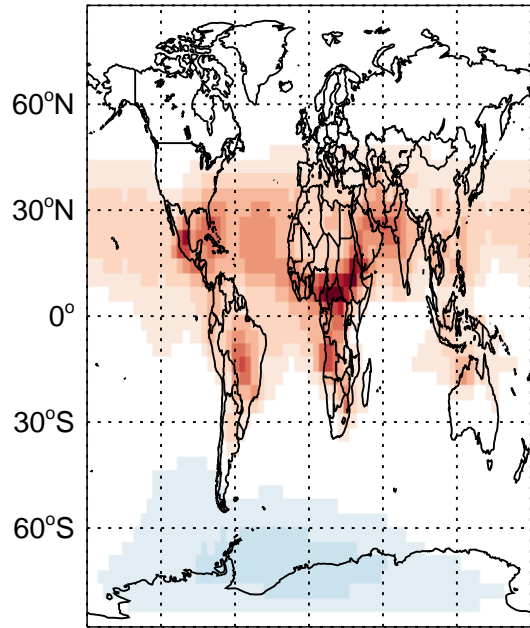
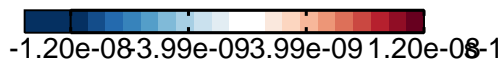
v11-01k-Run0 - v11-01f-geosfp-Run0

JHNO3 - J-Value Diff @ surface for Oct

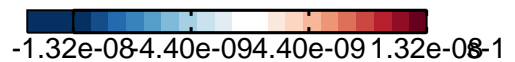
JHNO3 - J-Value Diff @ 500 hPa for Oct



180° 120°W 60°W 0° 60°E 120°E 180°



180° 120°W 60°W 0° 60°E 120°E 180°



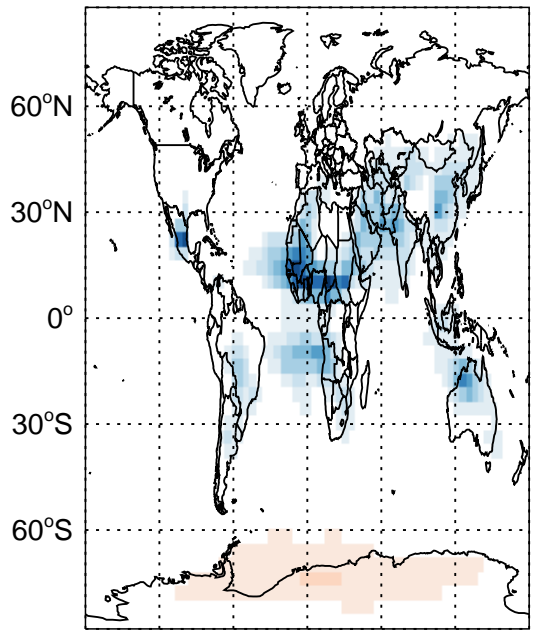
GEOS-Chem J-Values at surface and 500 hPa

v11-01k-Run0 - v11-01g-Run0

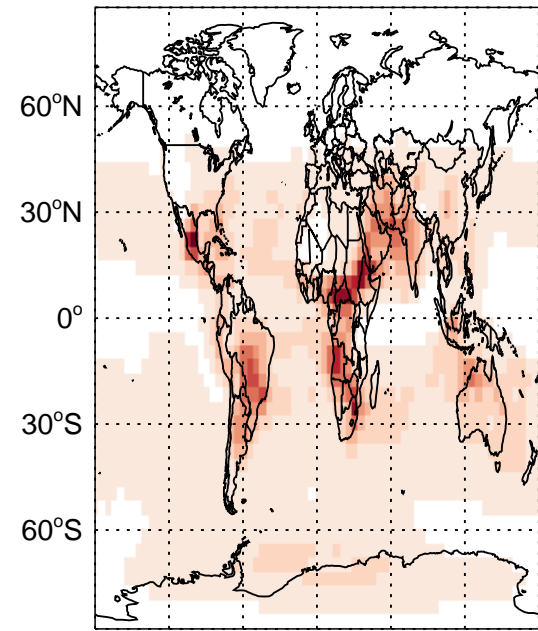
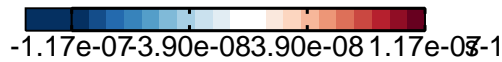
v11-01k-Run0 - v11-01g-Run0

JH2O2 - J-Value Diff @ surface for Oct

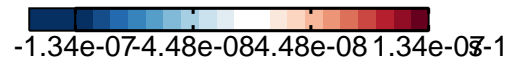
JH2O2 - J-Value Diff @ 500 hPa for Oct



180° 120°W 60°W 0° 60°E 120°E 180°



180° 120°W 60°W 0° 60°E 120°E 180°

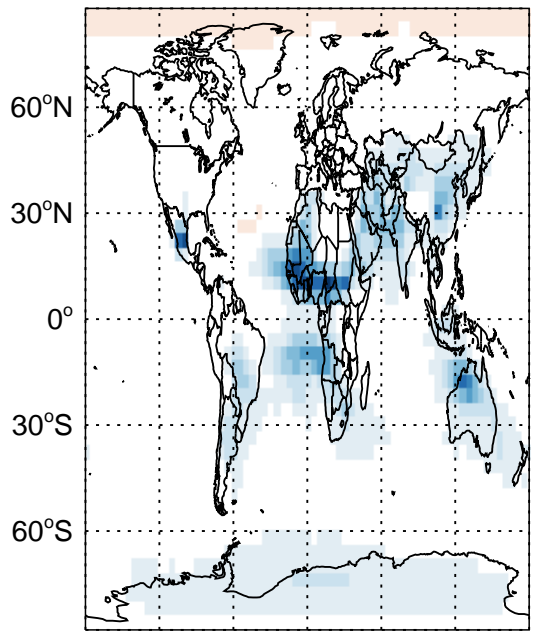


v11-01k-Run0 - v11-01f-geosfp-Run0

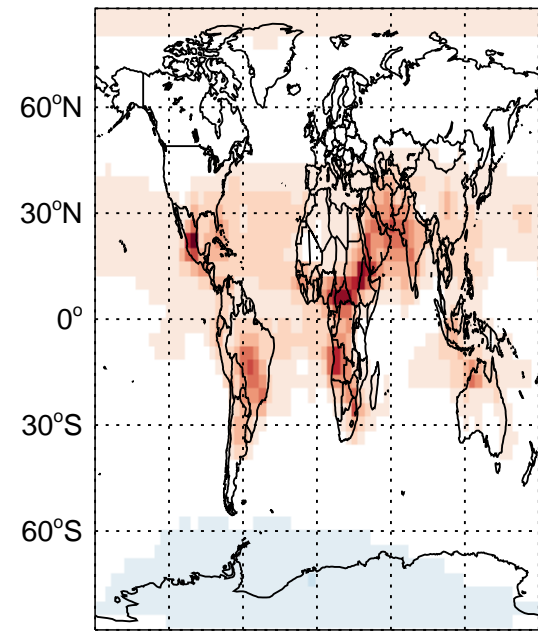
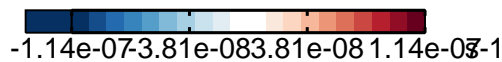
v11-01k-Run0 - v11-01f-geosfp-Run0

JH2O2 - J-Value Diff @ surface for Oct

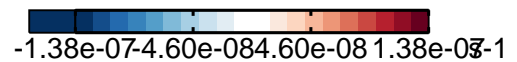
JH2O2 - J-Value Diff @ 500 hPa for Oct



180° 120°W 60°W 0° 60°E 120°E 180°



180° 120°W 60°W 0° 60°E 120°E 180°



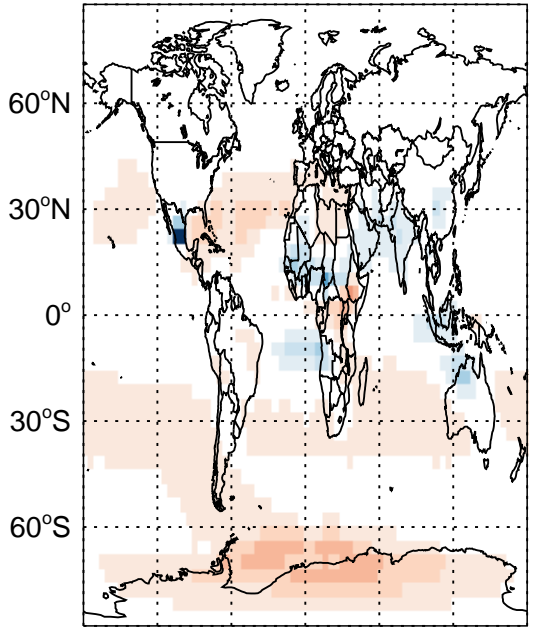
GEOS-Chem J-Values at surface and 500 hPa

v11-01k-Run0 - v11-01g-Run0

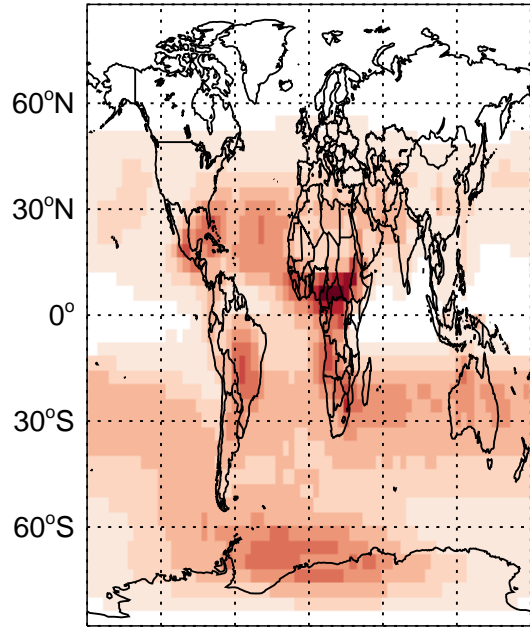
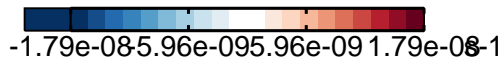
v11-01k-Run0 - v11-01g-Run0

JACET - J-Value Diff @ surface for Oct

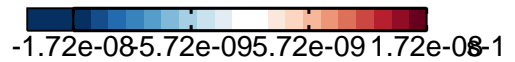
JACET - J-Value Diff @ 500 hPa for Oct



180° 120°W 60°W 0° 60°E 120°E 180°



180° 120°W 60°W 0° 60°E 120°E 180°

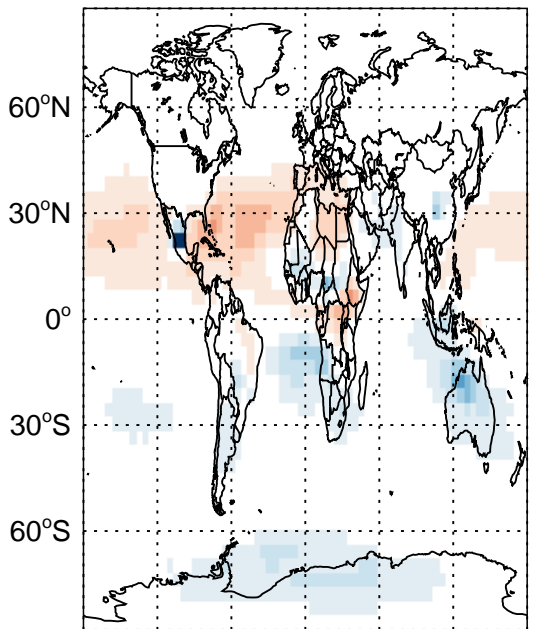


v11-01k-Run0 - v11-01f-geosfp-Run0

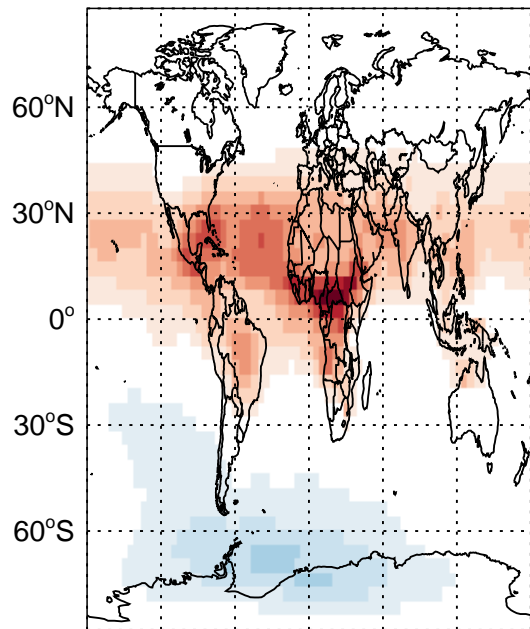
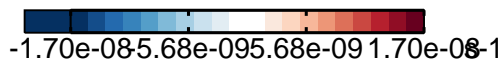
v11-01k-Run0 - v11-01f-geosfp-Run0

JACET - J-Value Diff @ surface for Oct

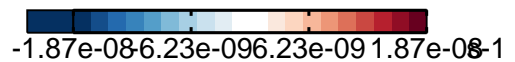
JACET - J-Value Diff @ 500 hPa for Oct



180° 120°W 60°W 0° 60°E 120°E 180°



180° 120°W 60°W 0° 60°E 120°E 180°



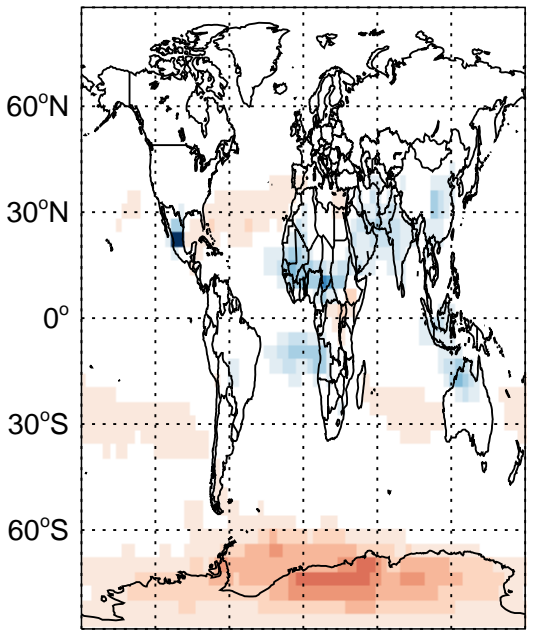
GEOS-Chem J-Values at surface and 500 hPa

v11-01k-Run0 - v11-01g-Run0

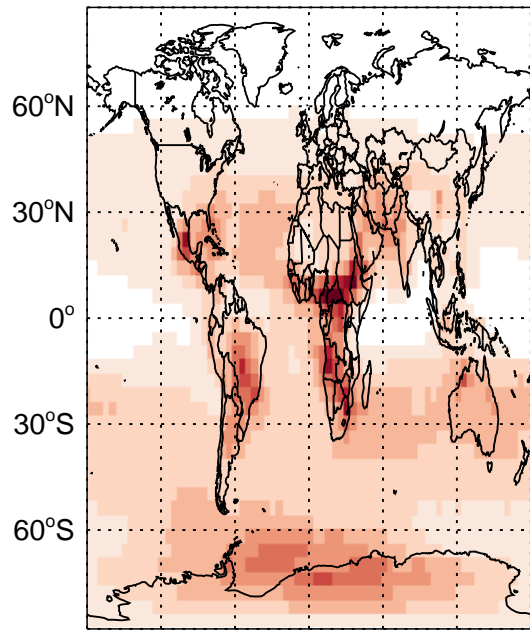
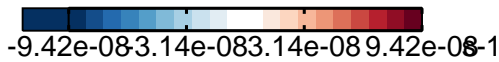
v11-01k-Run0 - v11-01g-Run0

JALD2 - J-Value Diff @ surface for Oct

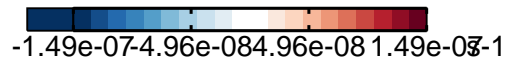
JALD2 - J-Value Diff @ 500 hPa for Oct



180° 120°W 60°W 0° 60°E 120°E 180°



180° 120°W 60°W 0° 60°E 120°E 180°

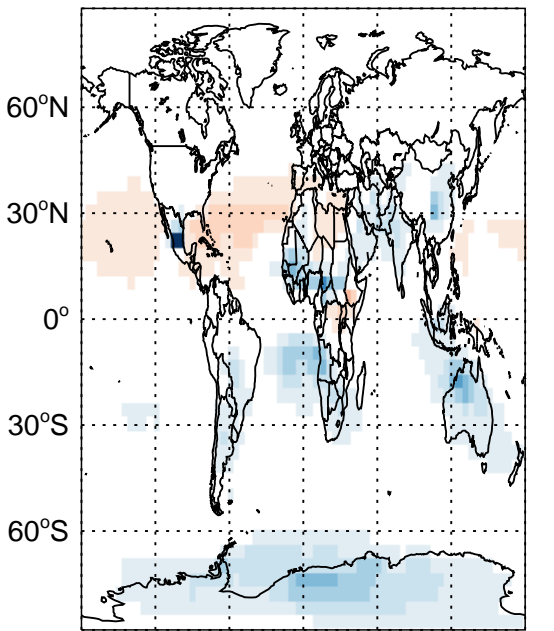


v11-01k-Run0 - v11-01f-geosfp-Run0

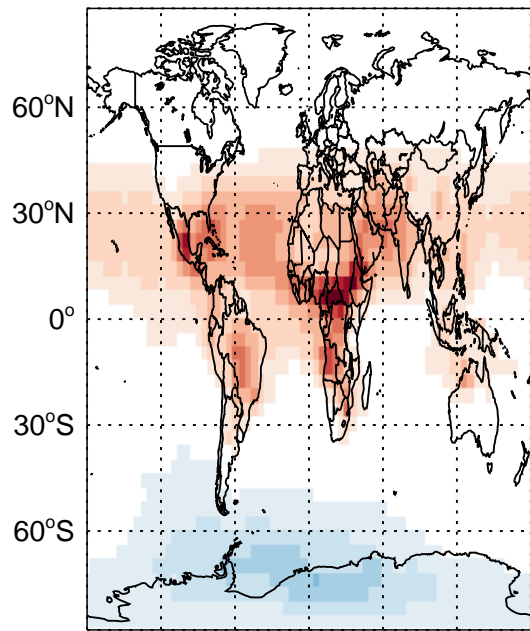
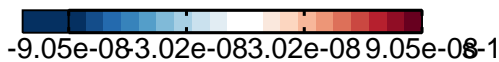
v11-01k-Run0 - v11-01f-geosfp-Run0

JALD2 - J-Value Diff @ surface for Oct

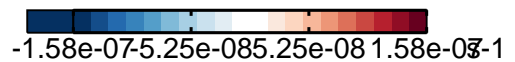
JALD2 - J-Value Diff @ 500 hPa for Oct



180° 120°W 60°W 0° 60°E 120°E 180°



180° 120°W 60°W 0° 60°E 120°E 180°



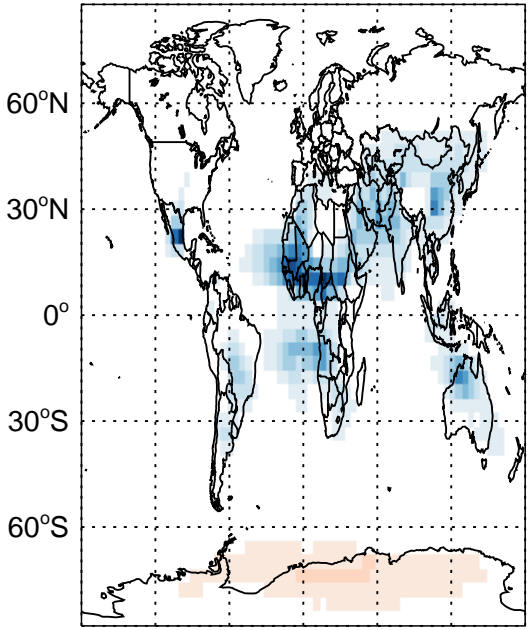
GEOS-Chem J-Values at surface and 500 hPa

v11-01k-Run0 - v11-01g-Run0

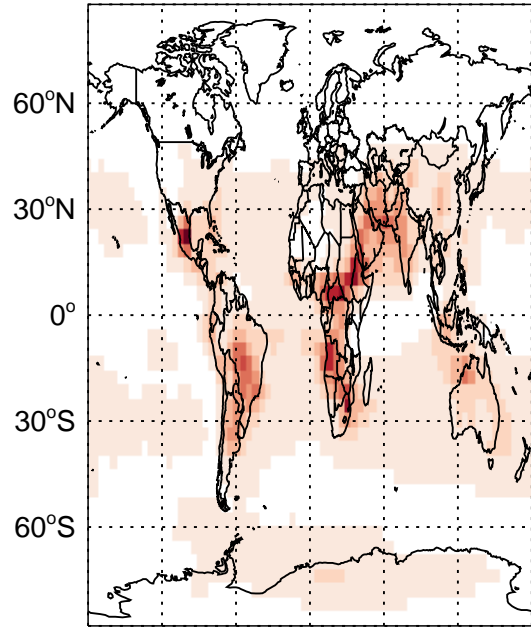
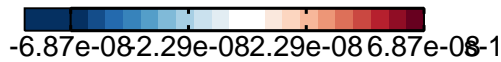
v11-01k-Run0 - v11-01g-Run0

JMVK - J-Value Diff @ surface for O₃

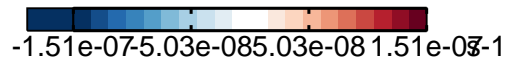
JMVK - J-Value Diff @ 500 hPa for O₃



180° 120°W 60°W 0° 60°E 120°E 180°



180° 120°W 60°W 0° 60°E 120°E 180°

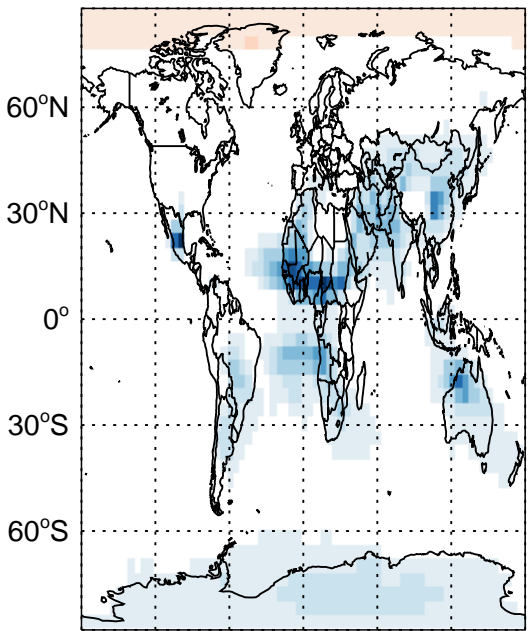


v11-01k-Run0 - v11-01f-geosfp-Run0

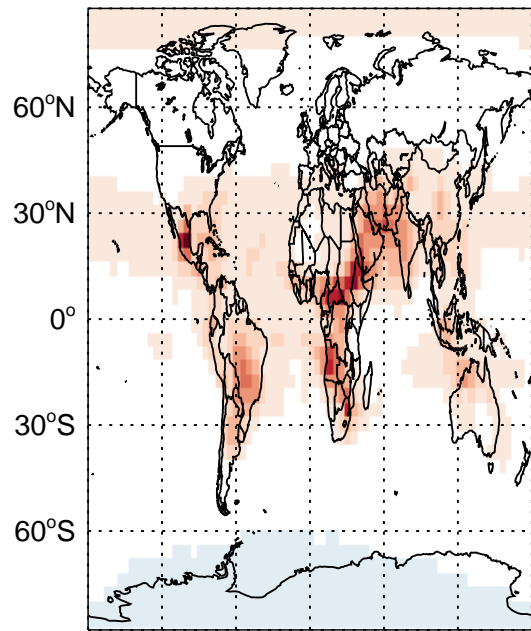
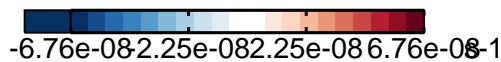
v11-01k-Run0 - v11-01f-geosfp-Run0

JMVK - J-Value Diff @ surface for O₃

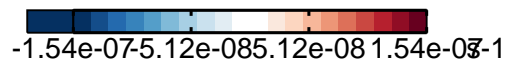
JMVK - J-Value Diff @ 500 hPa for O₃



180° 120°W 60°W 0° 60°E 120°E 180°



180° 120°W 60°W 0° 60°E 120°E 180°



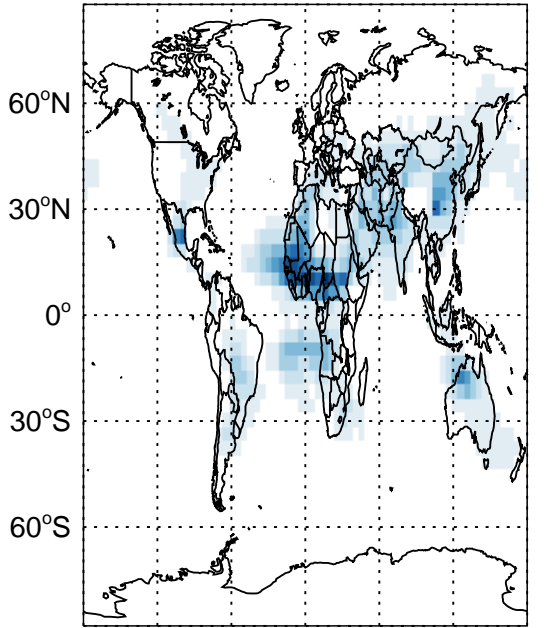
GEOS-Chem J-Values at surface and 500 hPa

v11-01k-Run0 - v11-01g-Run0

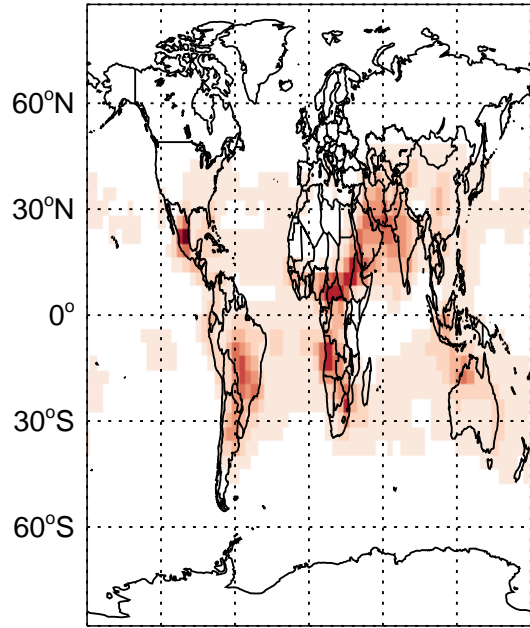
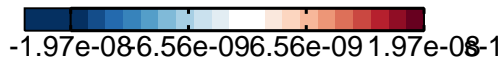
v11-01k-Run0 - v11-01g-Run0

JMACR - J-Value Diff @ surface for Oct

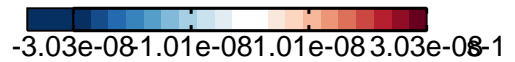
JMACR - J-Value Diff @ 500 hPa for Oct



180° 120°W 60°W 0° 60°E 120°E 180°



180° 120°W 60°W 0° 60°E 120°E 180°

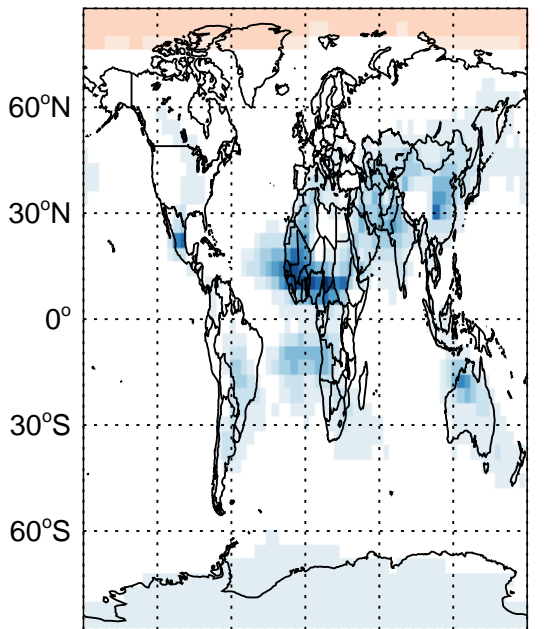


v11-01k-Run0 - v11-01f-geosfp-Run0

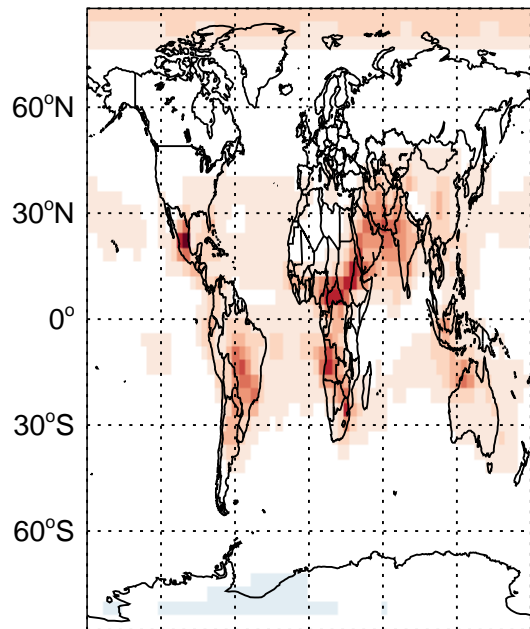
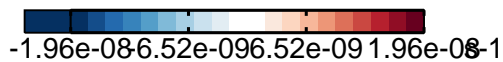
v11-01k-Run0 - v11-01f-geosfp-Run0

JMACR - J-Value Diff @ surface for Oct

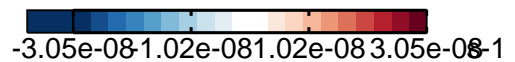
JMACR - J-Value Diff @ 500 hPa for Oct



180° 120°W 60°W 0° 60°E 120°E 180°



180° 120°W 60°W 0° 60°E 120°E 180°



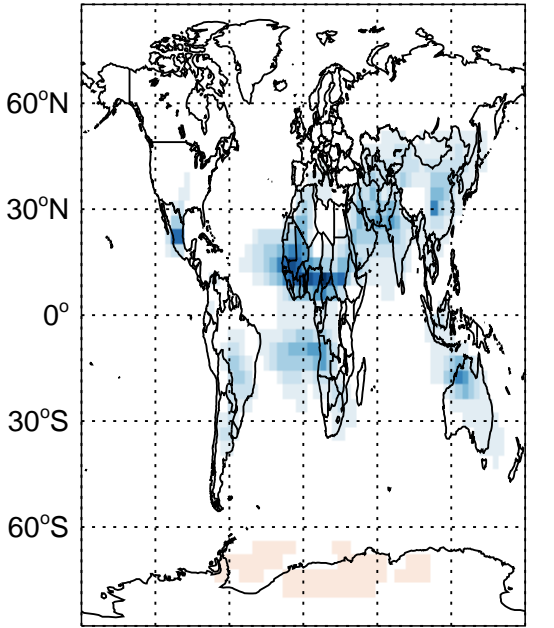
GEOS-Chem J-Values at surface and 500 hPa

v11-01k-Run0 - v11-01g-Run0

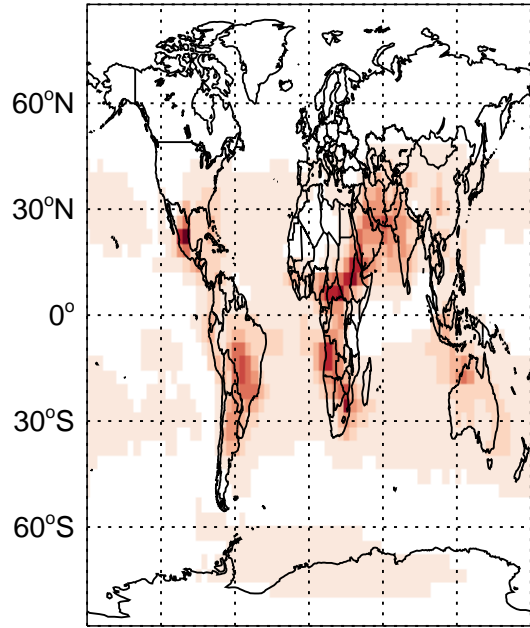
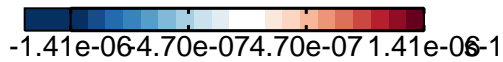
v11-01k-Run0 - v11-01g-Run0

JCH₂O - J-Value Diff @ surface for Oct

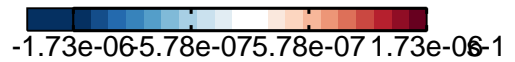
JCH₂O - J-Value Diff @ 500 hPa for Oct



180° 120°W 60°W 0° 60°E 120°E 180°



180° 120°W 60°W 0° 60°E 120°E 180°

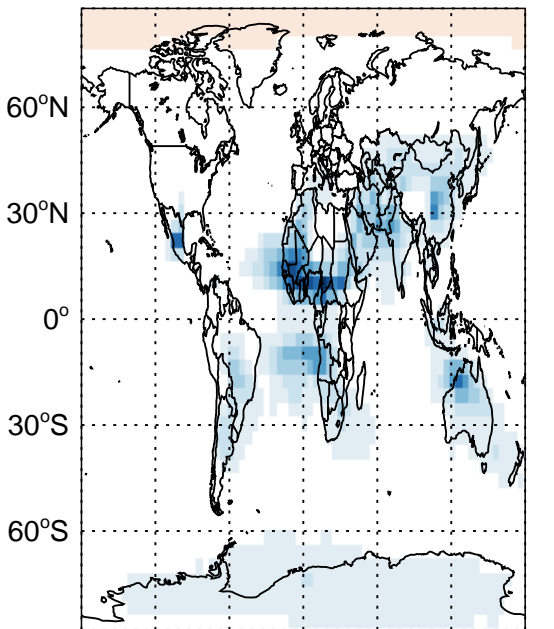


v11-01k-Run0 - v11-01f-geosfp-Run0

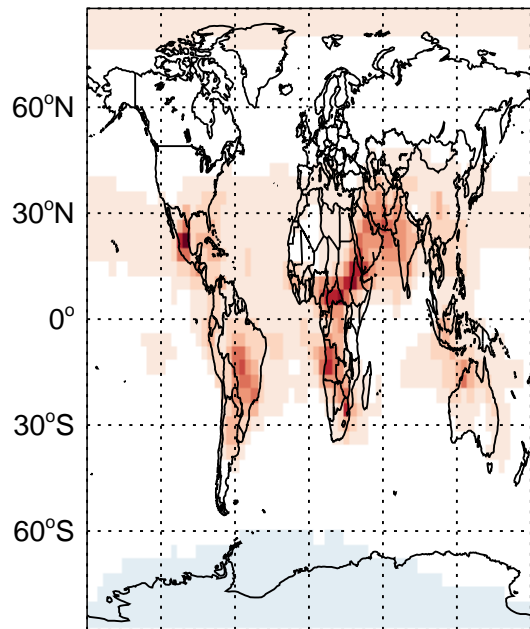
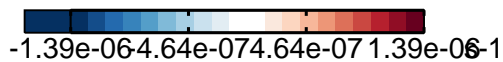
v11-01k-Run0 - v11-01f-geosfp-Run0

JCH₂O - J-Value Diff @ surface for Oct

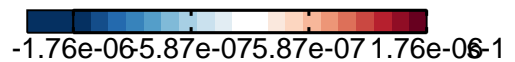
JCH₂O - J-Value Diff @ 500 hPa for Oct



180° 120°W 60°W 0° 60°E 120°E 180°



180° 120°W 60°W 0° 60°E 120°E 180°

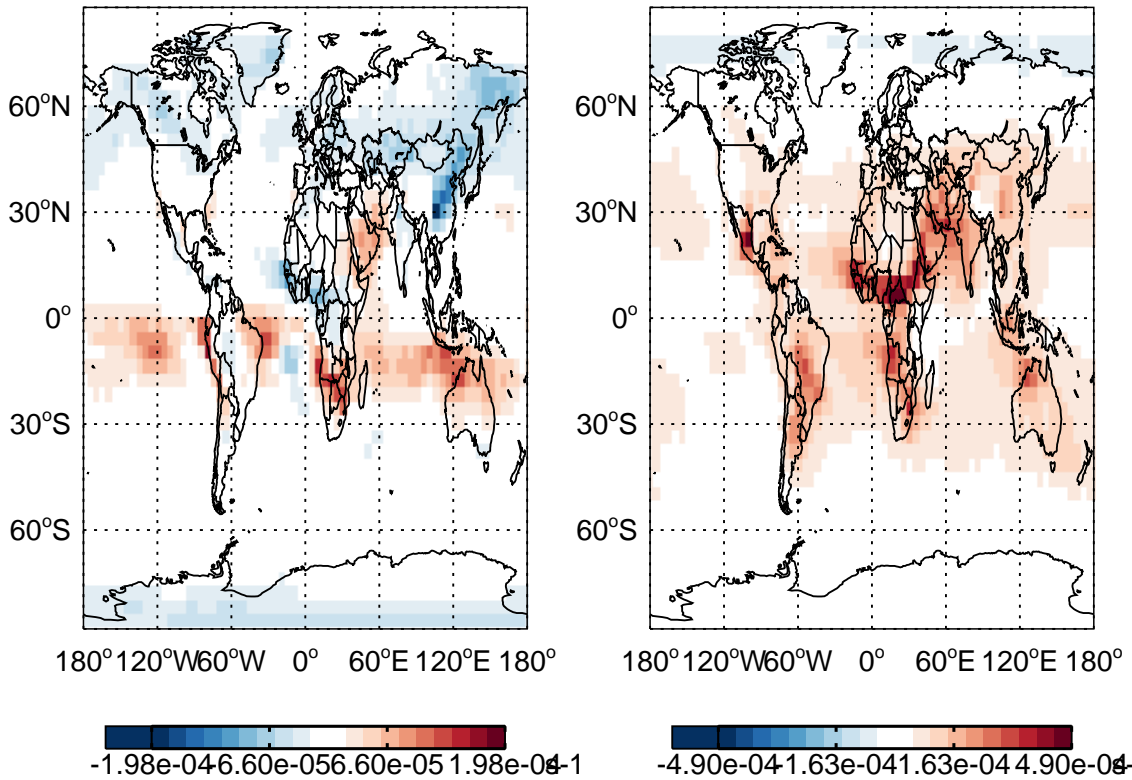


GEOS-Chem J-Values at surface and 500 hPa

v11-01k-Run0 - v11-01g-Run0

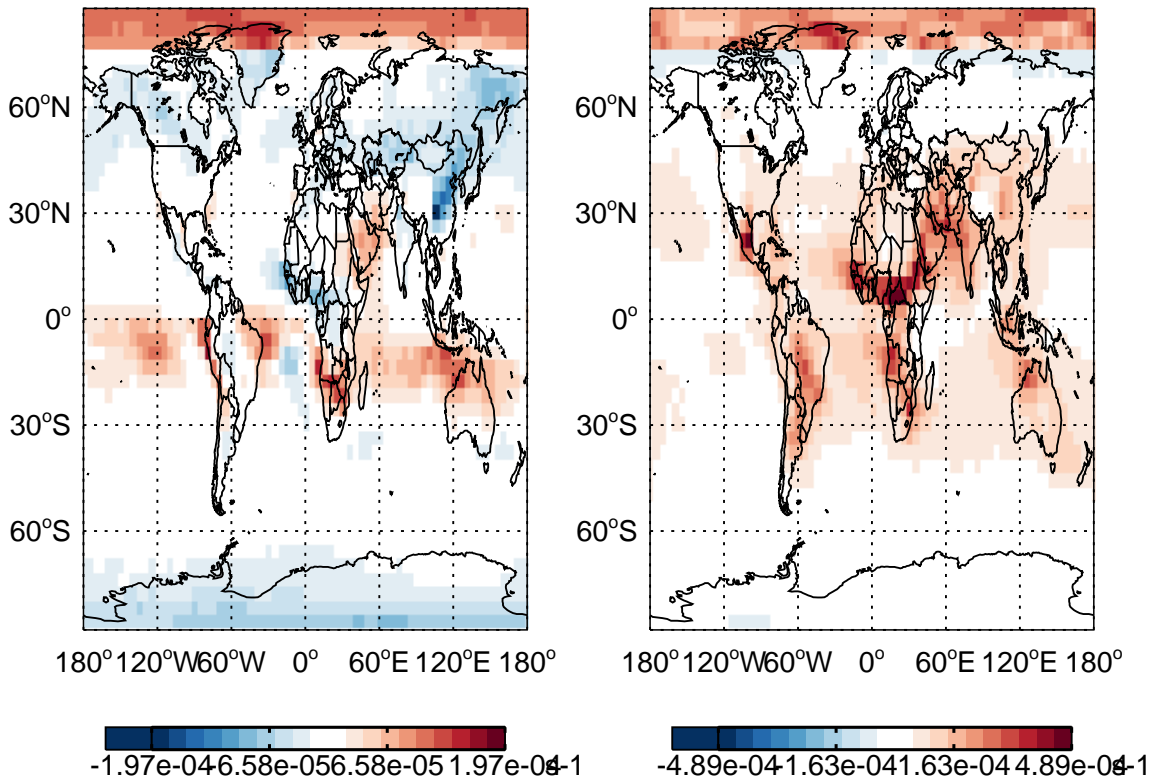
v11-01k-Run0 - v11-01g-Run0

JBr2 - J-Value Diff @ surface for Oct JBr2 - J-Value Diff @ 500 hPa for Oct



v11-01k-Run0 - v11-01f-geosfp-Run0 v11-01k-Run0 - v11-01f-geosfp-Run0

JBr2 - J-Value Diff @ surface for Oct JBr2 - J-Value Diff @ 500 hPa for Oct

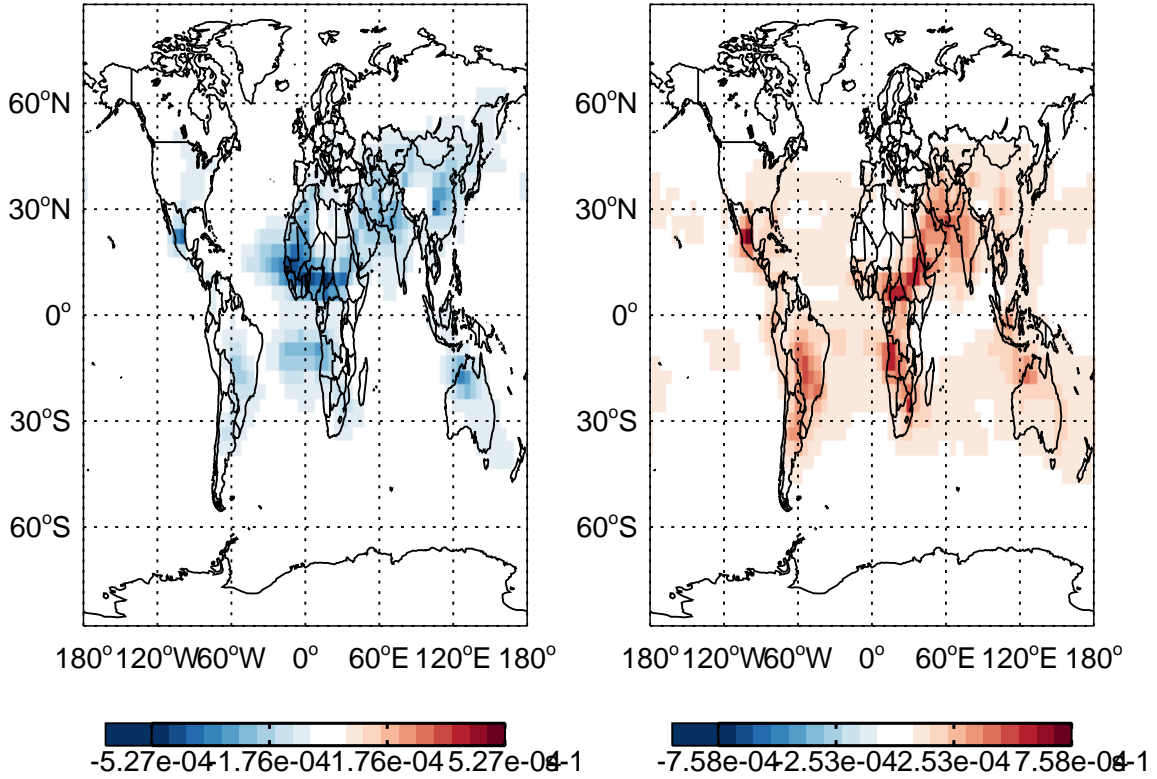


GEOS-Chem J-Values at surface and 500 hPa

v11-01k-Run0 - v11-01g-Run0

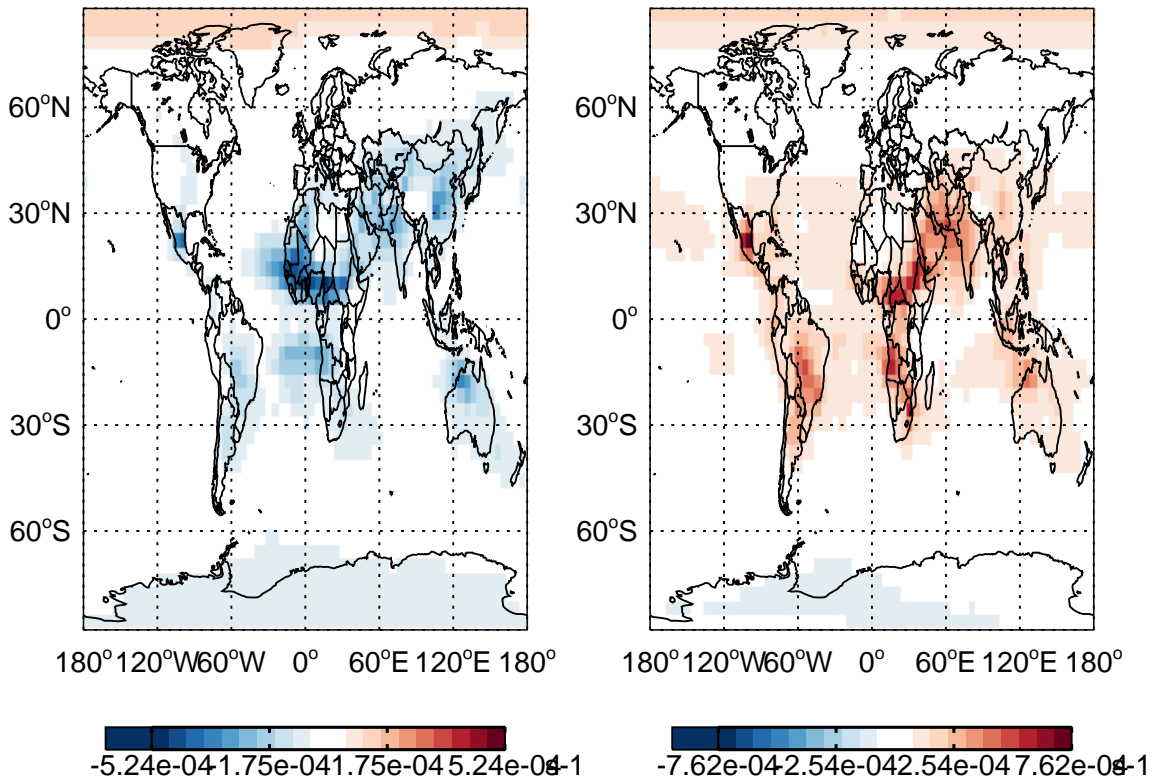
v11-01k-Run0 - v11-01g-Run0

JBrO - J-Value Diff @ surface for Oct JBrO - J-Value Diff @ 500 hPa for Oct



v11-01k-Run0 - v11-01f-geosfp-Run0 v11-01k-Run0 - v11-01f-geosfp-Run0

JBrO - J-Value Diff @ surface for Oct JBrO - J-Value Diff @ 500 hPa for Oct



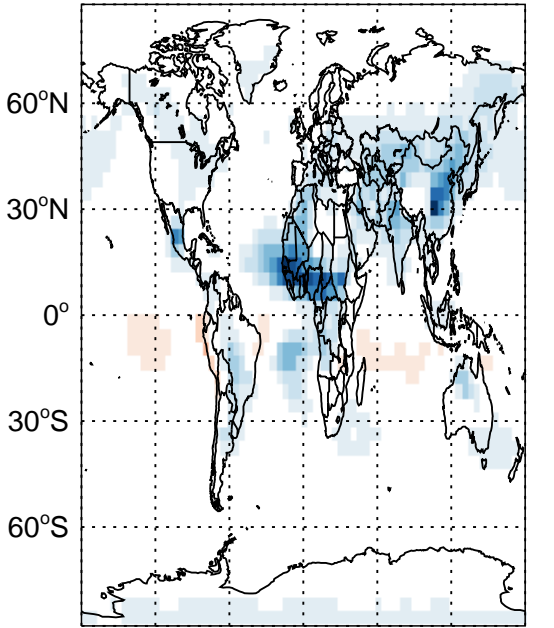
GEOS-Chem J-Values at surface and 500 hPa

v11-01k-Run0 - v11-01g-Run0

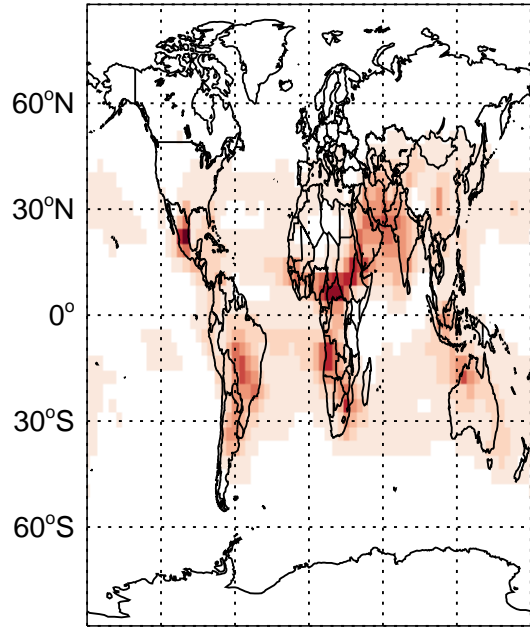
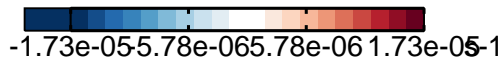
v11-01k-Run0 - v11-01g-Run0

JHOBr - J-Value Diff @ surface for Q11HOBr

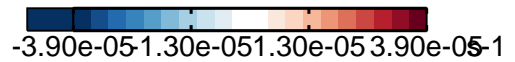
JHOBr - J-Value Diff @ 500 hPa for Oct



180° 120°W 60°W 0° 60°E 120°E 180°



180° 120°W 60°W 0° 60°E 120°E 180°

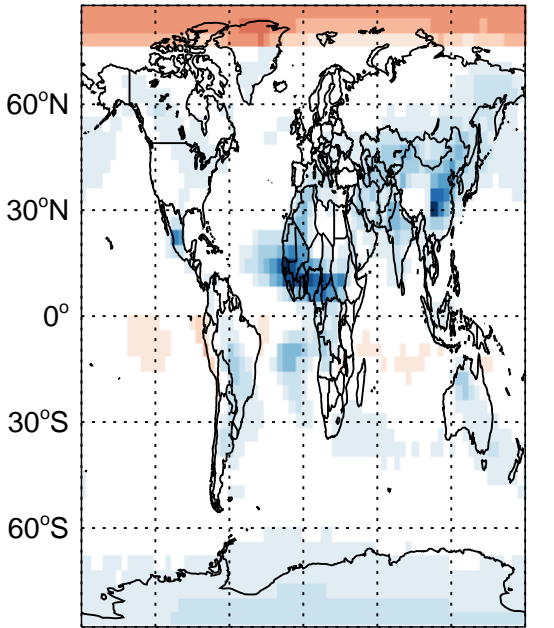


v11-01k-Run0 - v11-01f-geosfp-Run0

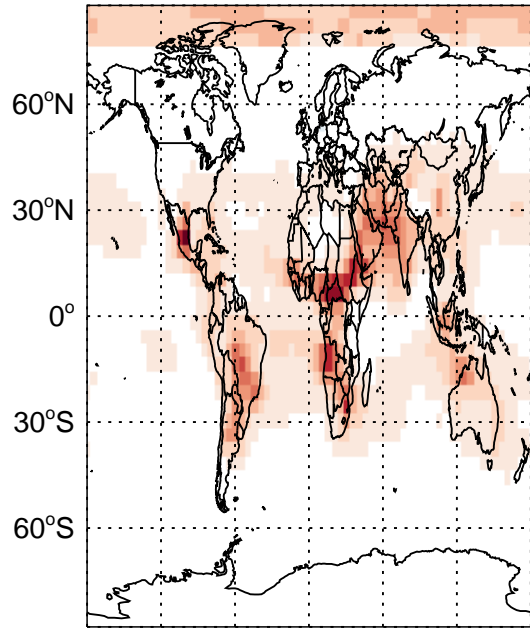
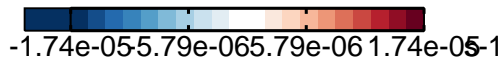
v11-01k-Run0 - v11-01f-geosfp-Run0

JHOBr - J-Value Diff @ surface for Q11HOBr

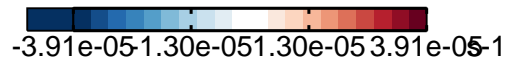
JHOBr - J-Value Diff @ 500 hPa for Oct



180° 120°W 60°W 0° 60°E 120°E 180°



180° 120°W 60°W 0° 60°E 120°E 180°



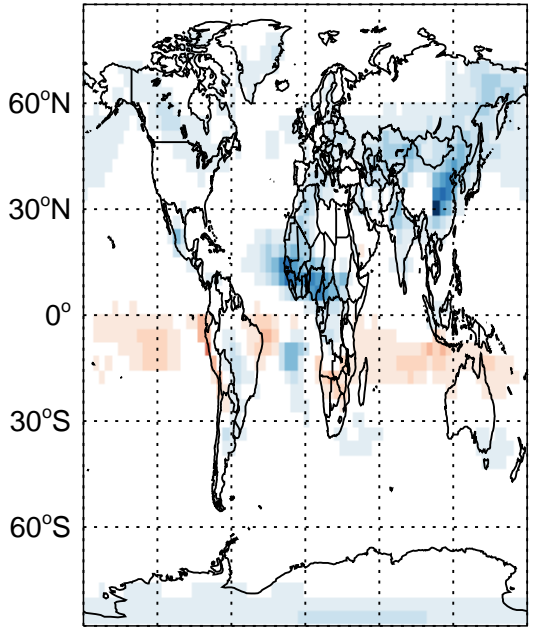
GEOS-Chem J-Values at surface and 500 hPa

v11-01k-Run0 - v11-01g-Run0

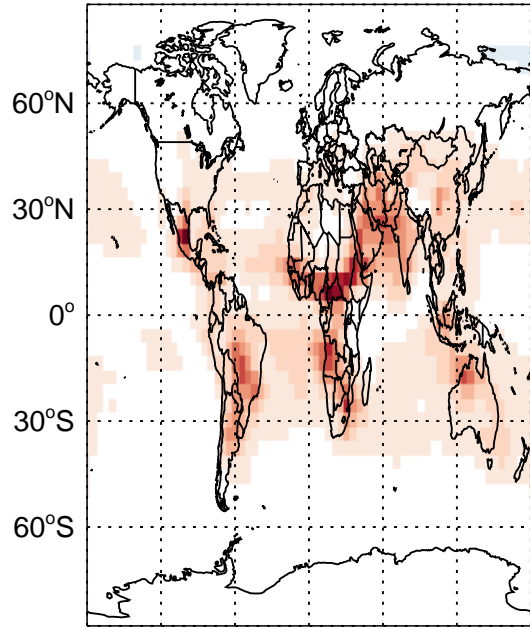
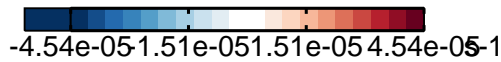
v11-01k-Run0 - v11-01g-Run0

JBrNO2 - J-Value Diff @ surface for Oct

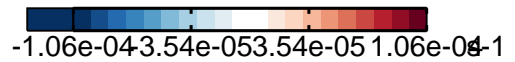
JBrNO2 - J-Value Diff @ 500 hPa for Oct



180° 120°W 60°W 0° 60°E 120°E 180°



180° 120°W 60°W 0° 60°E 120°E 180°

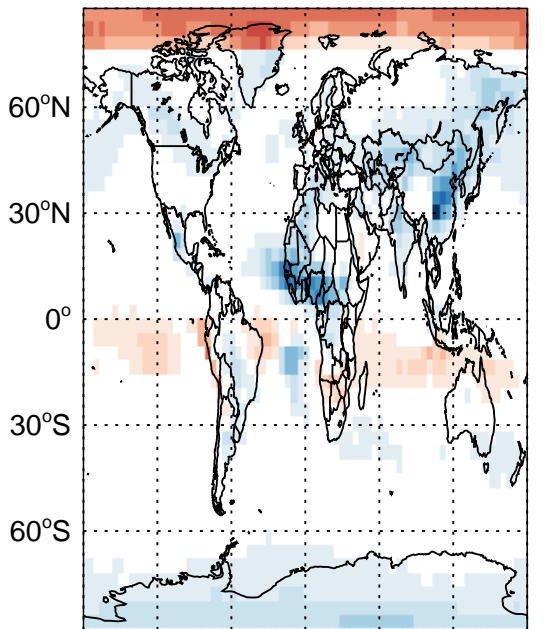


v11-01k-Run0 - v11-01f-geosfp-Run0

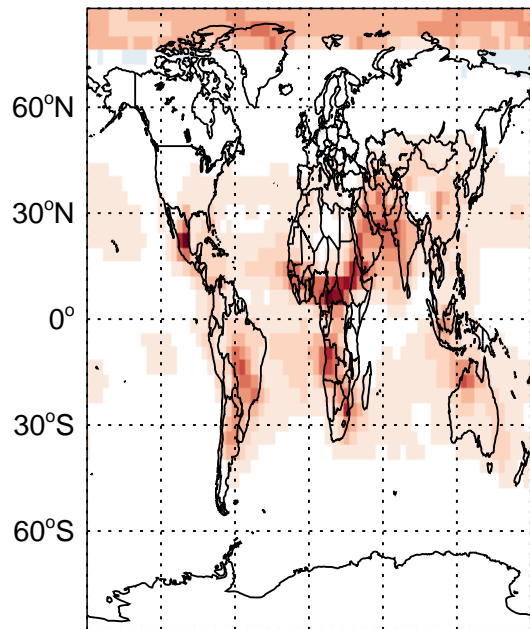
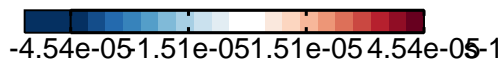
v11-01k-Run0 - v11-01f-geosfp-Run0

JBrNO2 - J-Value Diff @ surface for Oct

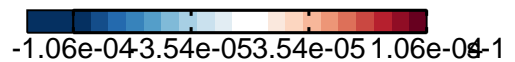
JBrNO2 - J-Value Diff @ 500 hPa for Oct



180° 120°W 60°W 0° 60°E 120°E 180°



180° 120°W 60°W 0° 60°E 120°E 180°



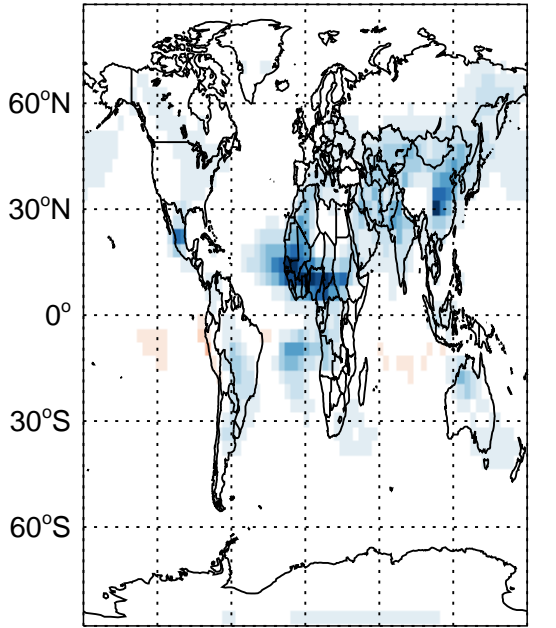
GEOS-Chem J-Values at surface and 500 hPa

v11-01k-Run0 - v11-01g-Run0

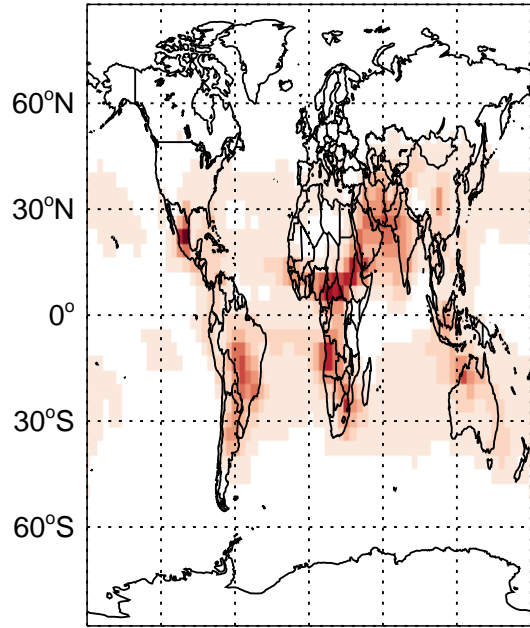
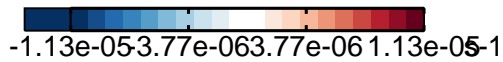
v11-01k-Run0 - v11-01g-Run0

JBrNO3 - J-Value Diff @ surface for Oct

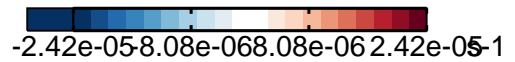
JBrNO3 - J-Value Diff @ 500 hPa for Oct



180° 120°W 60°W 0° 60°E 120°E 180°



180° 120°W 60°W 0° 60°E 120°E 180°

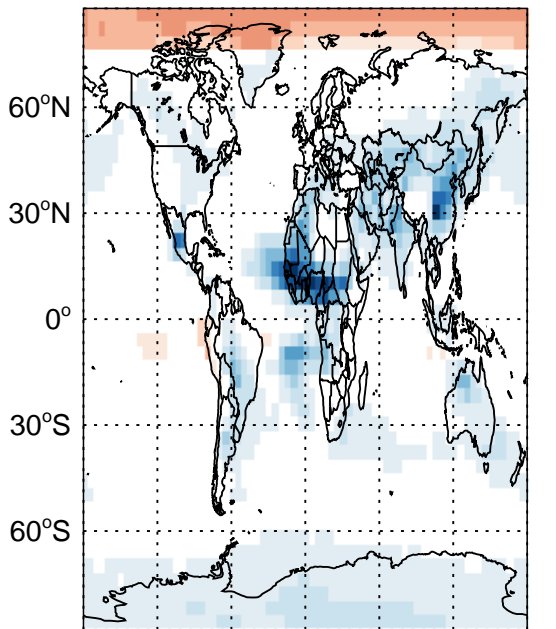


v11-01k-Run0 - v11-01f-geosfp-Run0

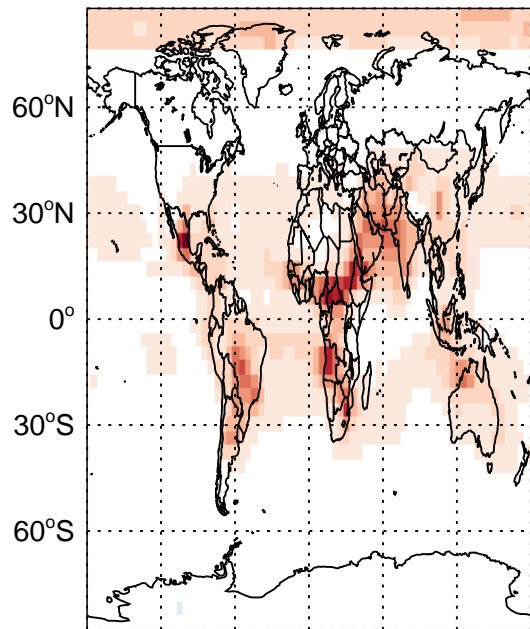
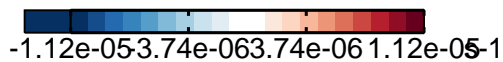
v11-01k-Run0 - v11-01f-geosfp-Run0

JBrNO3 - J-Value Diff @ surface for Oct

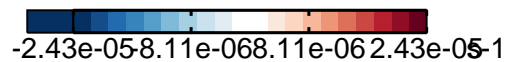
JBrNO3 - J-Value Diff @ 500 hPa for Oct



180° 120°W 60°W 0° 60°E 120°E 180°



180° 120°W 60°W 0° 60°E 120°E 180°



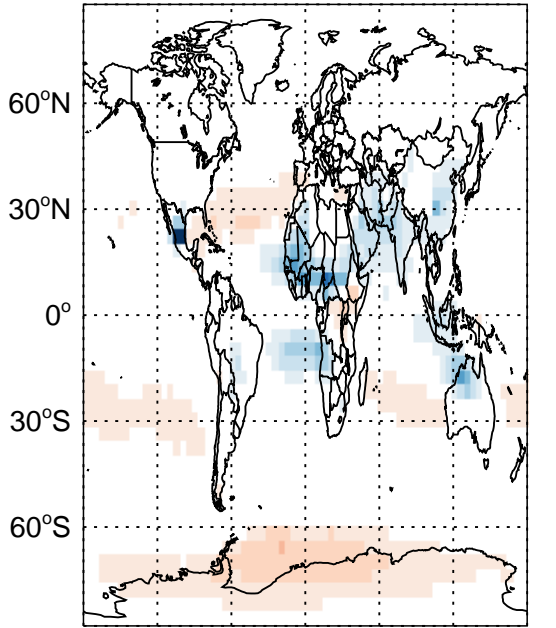
GEOS-Chem J-Values at surface and 500 hPa

v11-01k-Run0 - v11-01g-Run0

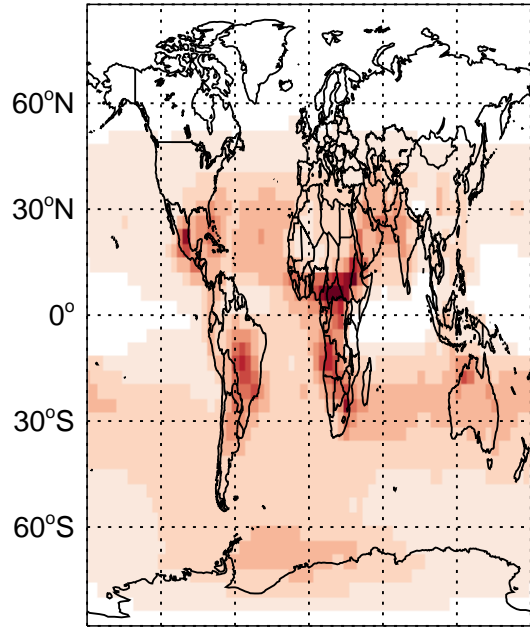
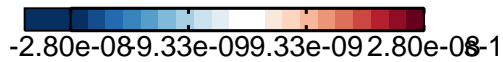
v11-01k-Run0 - v11-01g-Run0

JCHBr3 - J-Value Diff @ surface for Oct

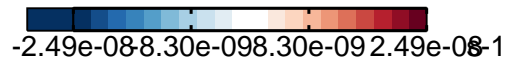
JCHBr3 - J-Value Diff @ 500 hPa for Oct



180° 120°W 60°W 0° 60°E 120°E 180°



180° 120°W 60°W 0° 60°E 120°E 180°

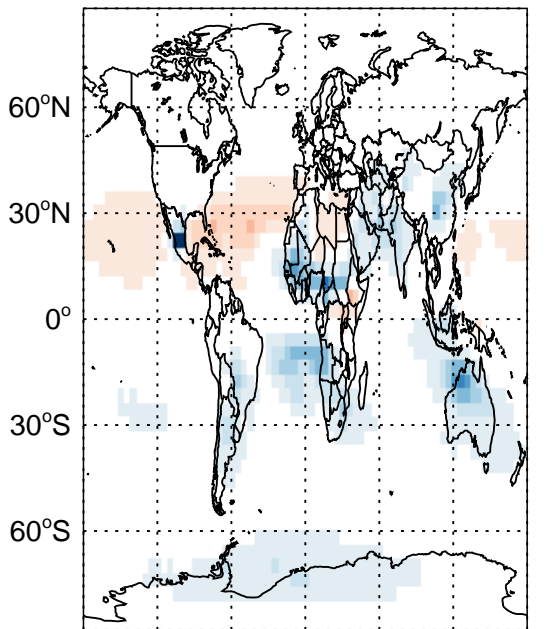


v11-01k-Run0 - v11-01f-geosfp-Run0

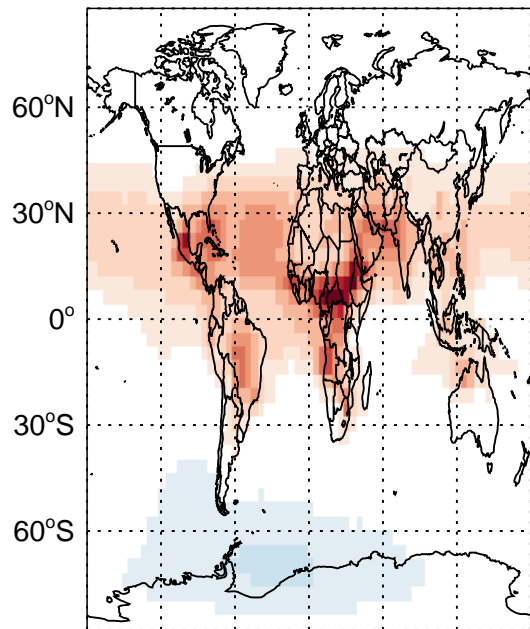
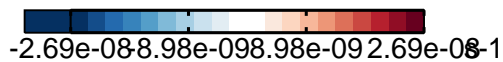
v11-01k-Run0 - v11-01f-geosfp-Run0

JCHBr3 - J-Value Diff @ surface for Oct

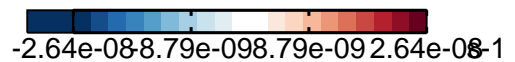
JCHBr3 - J-Value Diff @ 500 hPa for Oct



180° 120°W 60°W 0° 60°E 120°E 180°



180° 120°W 60°W 0° 60°E 120°E 180°



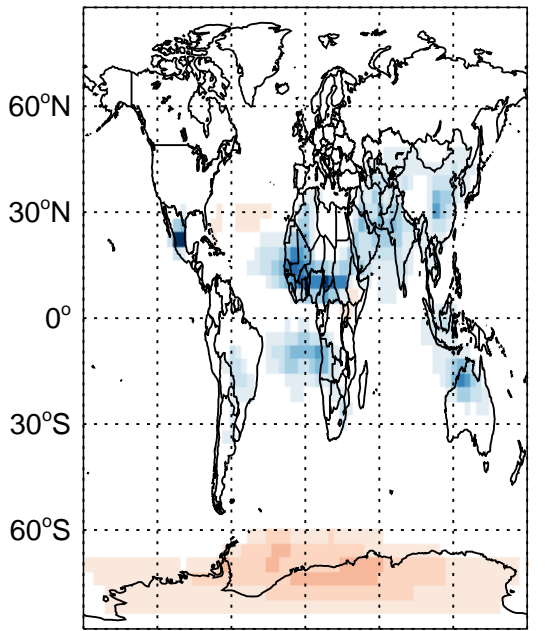
GEOS-Chem J-Values at surface and 500 hPa

v11-01k-Run0 - v11-01g-Run0

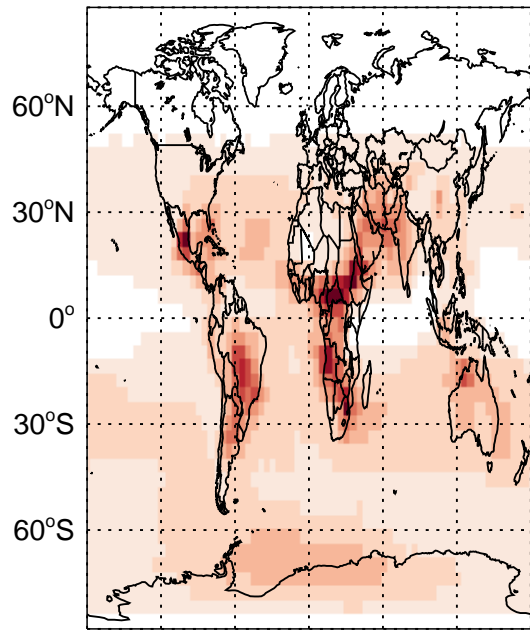
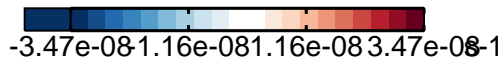
v11-01k-Run0 - v11-01g-Run0

JHAC - J-Value Diff @ surface for Oct

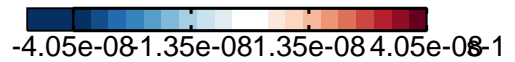
JHAC - J-Value Diff @ 500 hPa for Oct



180° 120°W 60°W 0° 60°E 120°E 180°



180° 120°W 60°W 0° 60°E 120°E 180°

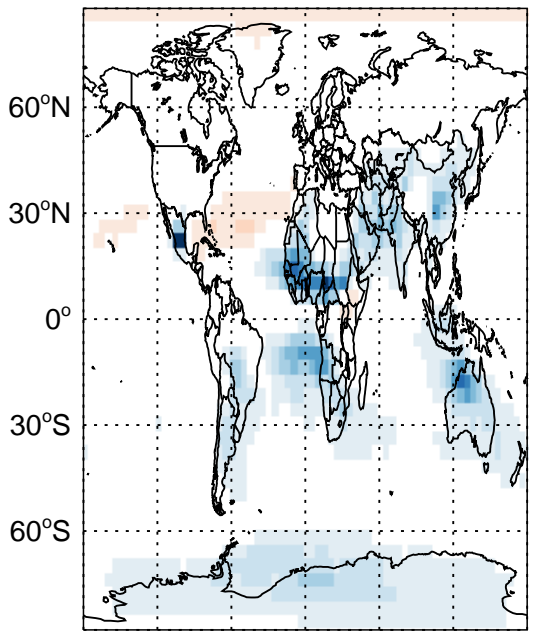


v11-01k-Run0 - v11-01f-geosfp-Run0

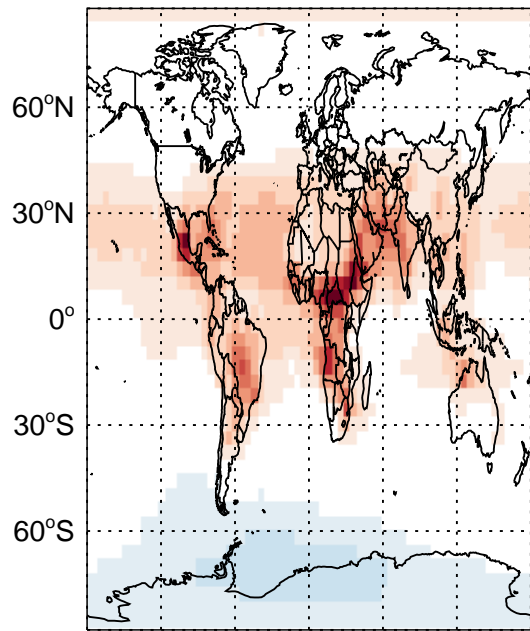
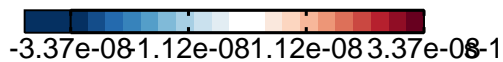
v11-01k-Run0 - v11-01f-geosfp-Run0

JHAC - J-Value Diff @ surface for Oct

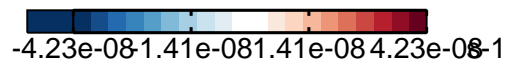
JHAC - J-Value Diff @ 500 hPa for Oct



180° 120°W 60°W 0° 60°E 120°E 180°



180° 120°W 60°W 0° 60°E 120°E 180°



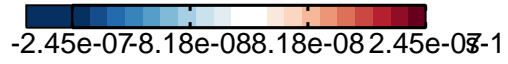
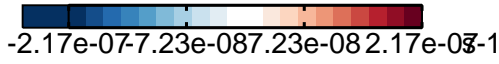
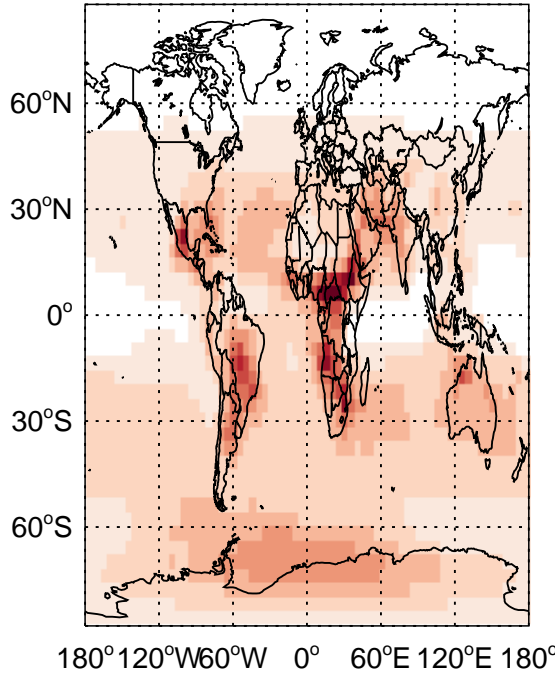
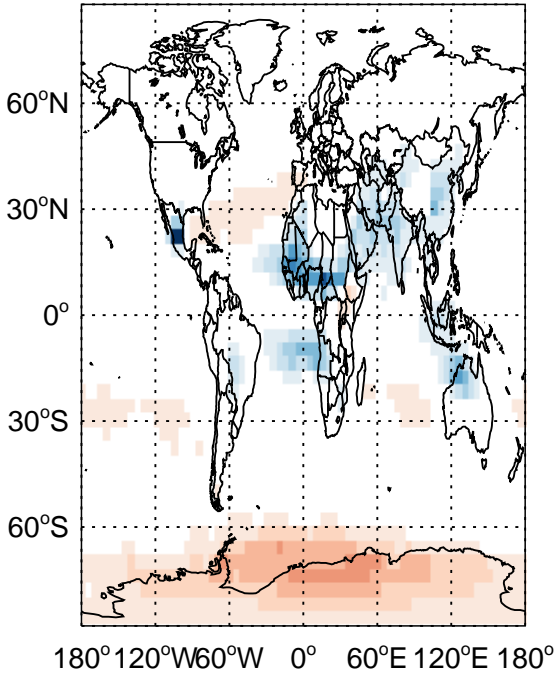
GEOS-Chem J-Values at surface and 500 hPa

v11-01k-Run0 - v11-01g-Run0

v11-01k-Run0 - v11-01g-Run0

JGLYC - J-Value Diff @ surface for Oct

JGLYC - J-Value Diff @ 500 hPa for Oct

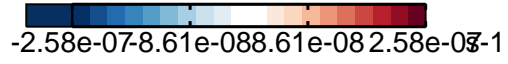
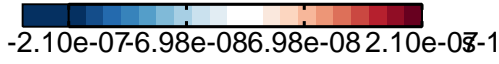
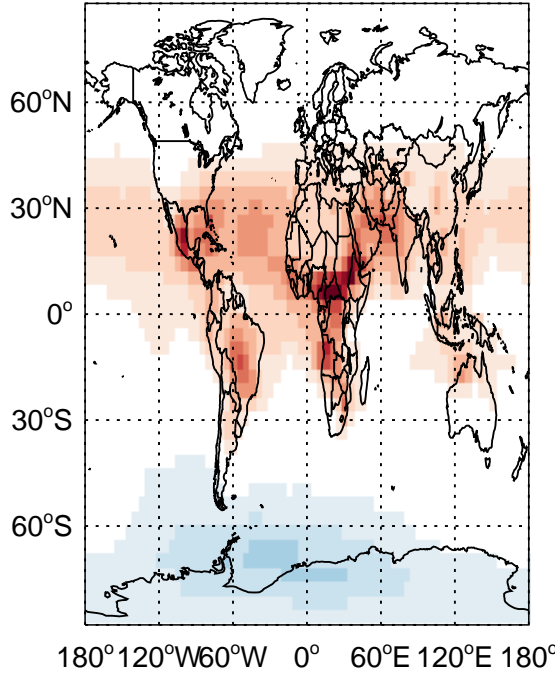
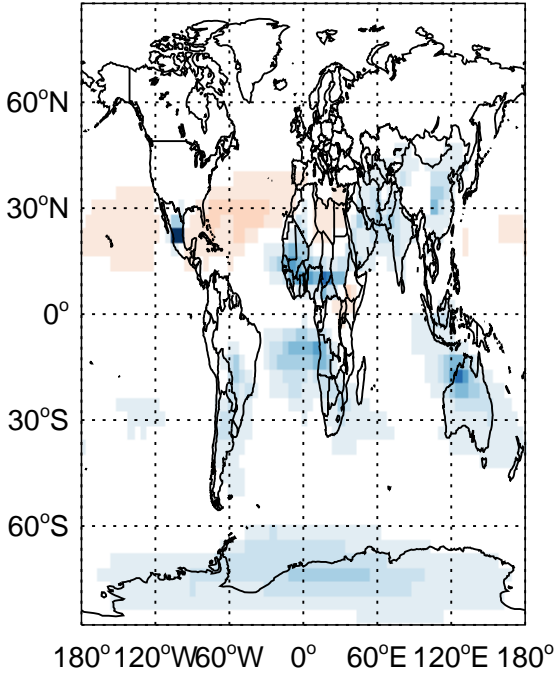


v11-01k-Run0 - v11-01f-geosfp-Run0

v11-01k-Run0 - v11-01f-geosfp-Run0

JGLYC - J-Value Diff @ surface for Oct

JGLYC - J-Value Diff @ 500 hPa for Oct

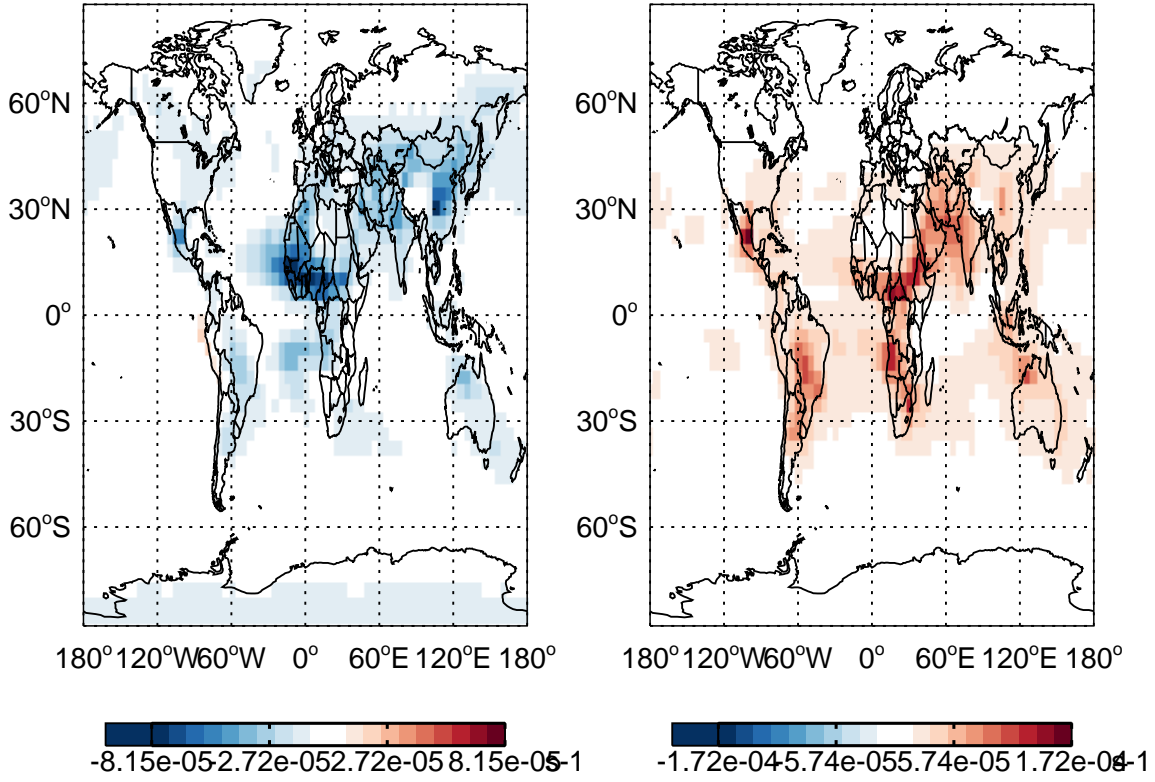


GEOS-Chem J-Values at surface and 500 hPa

v11-01k-Run0 - v11-01g-Run0

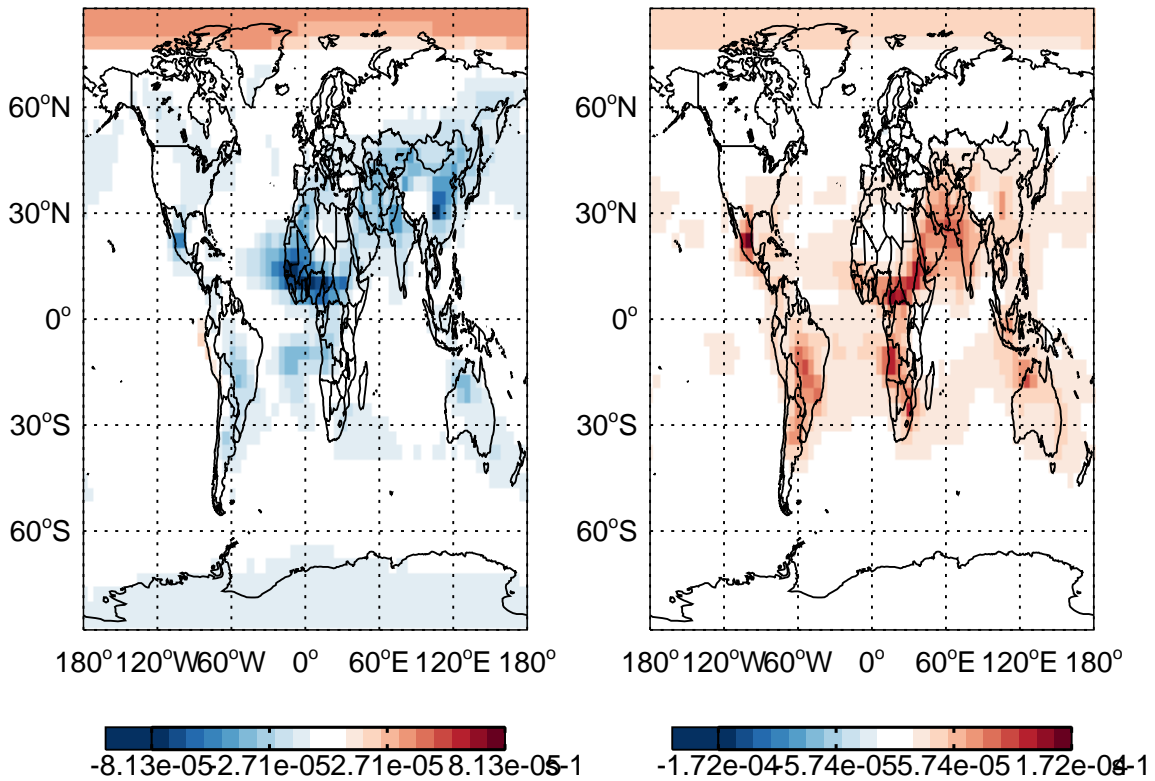
v11-01k-Run0 - v11-01g-Run0

JNO2 - J-Value Diff @ surface for Oct NO2 - J-Value Diff @ 500 hPa for Oct



v11-01k-Run0 - v11-01f-geosfp-Run0 v11-01k-Run0 - v11-01f-geosfp-Run0

JNO2 - J-Value Diff @ surface for Oct NO2 - J-Value Diff @ 500 hPa for Oct



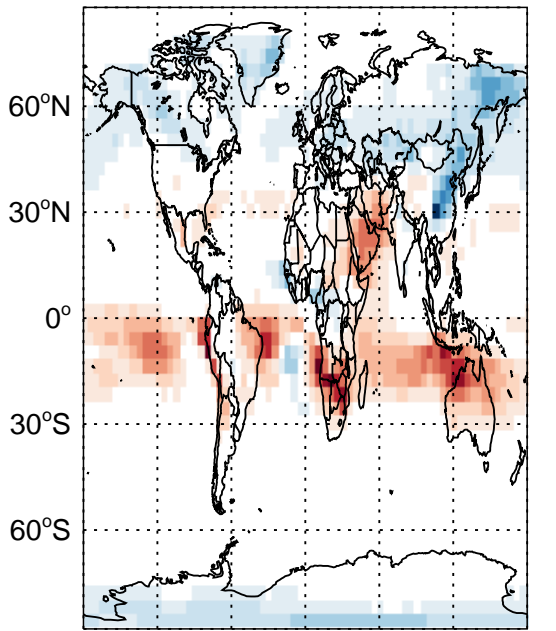
GEOS-Chem J-Values at surface and 500 hPa

v11-01k-Run0 - v11-01g-Run0

v11-01k-Run0 - v11-01g-Run0

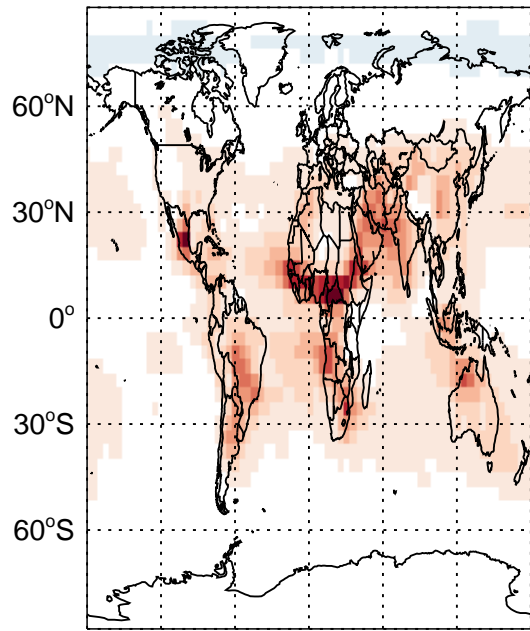
JNO3 - J-Value Diff @ surface for Oct

JNO3 - J-Value Diff @ 500 hPa for Oct



180° 120°W 60°W 0° 60°E 120°E 180°

-1.20e-03 4.00e-04 4.00e-04 1.20e-03



180° 120°W 60°W 0° 60°E 120°E 180°

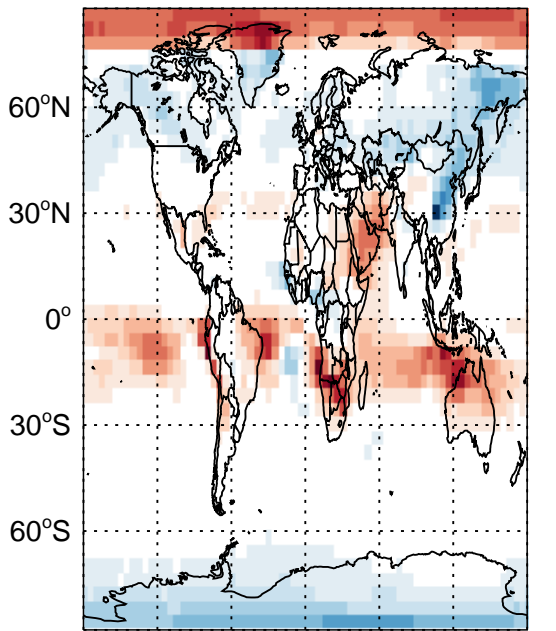
-3.24e-03 1.08e-03 1.08e-03 3.24e-03

v11-01k-Run0 - v11-01f-geosfp-Run0

v11-01k-Run0 - v11-01f-geosfp-Run0

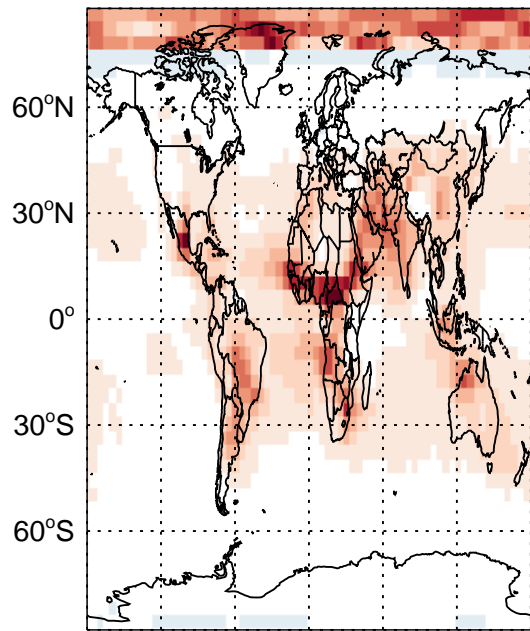
JNO3 - J-Value Diff @ surface for Oct

JNO3 - J-Value Diff @ 500 hPa for Oct



180° 120°W 60°W 0° 60°E 120°E 180°

-1.19e-03 3.98e-04 3.98e-04 1.19e-03



180° 120°W 60°W 0° 60°E 120°E 180°

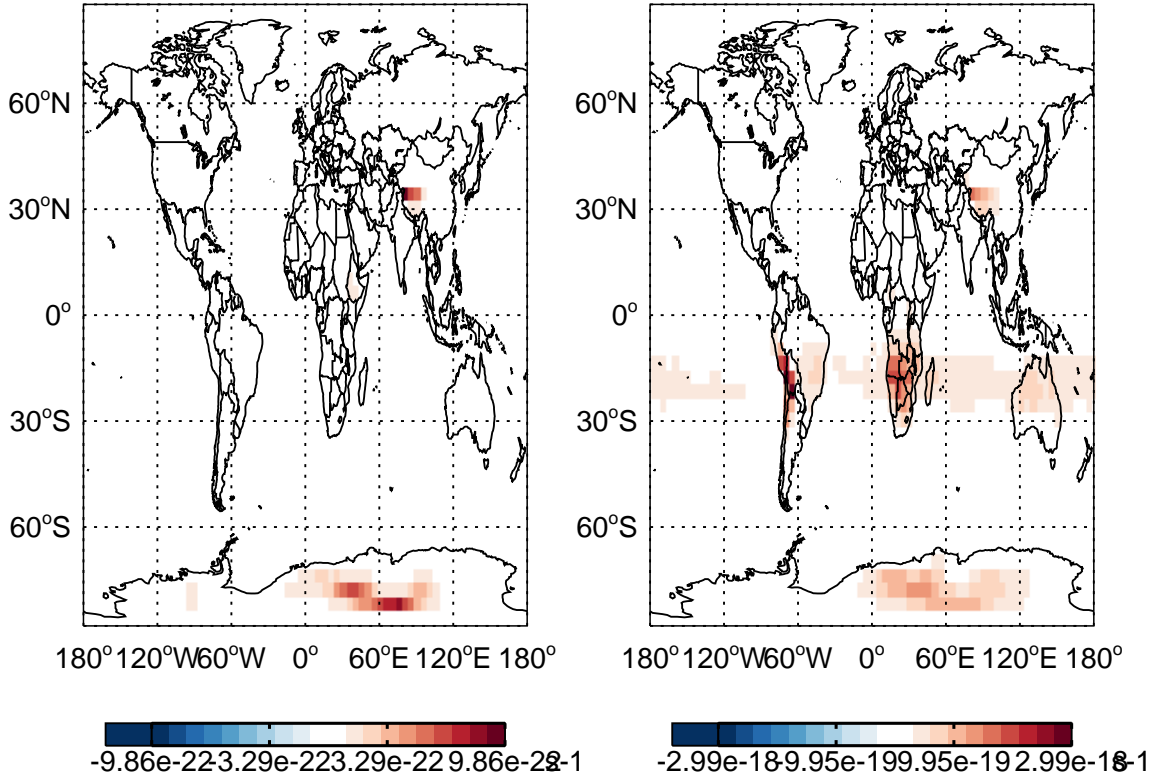
-3.23e-03 1.08e-03 1.08e-03 3.23e-03

GEOS-Chem J-Values at surface and 500 hPa

v11-01k-Run0 - v11-01g-Run0

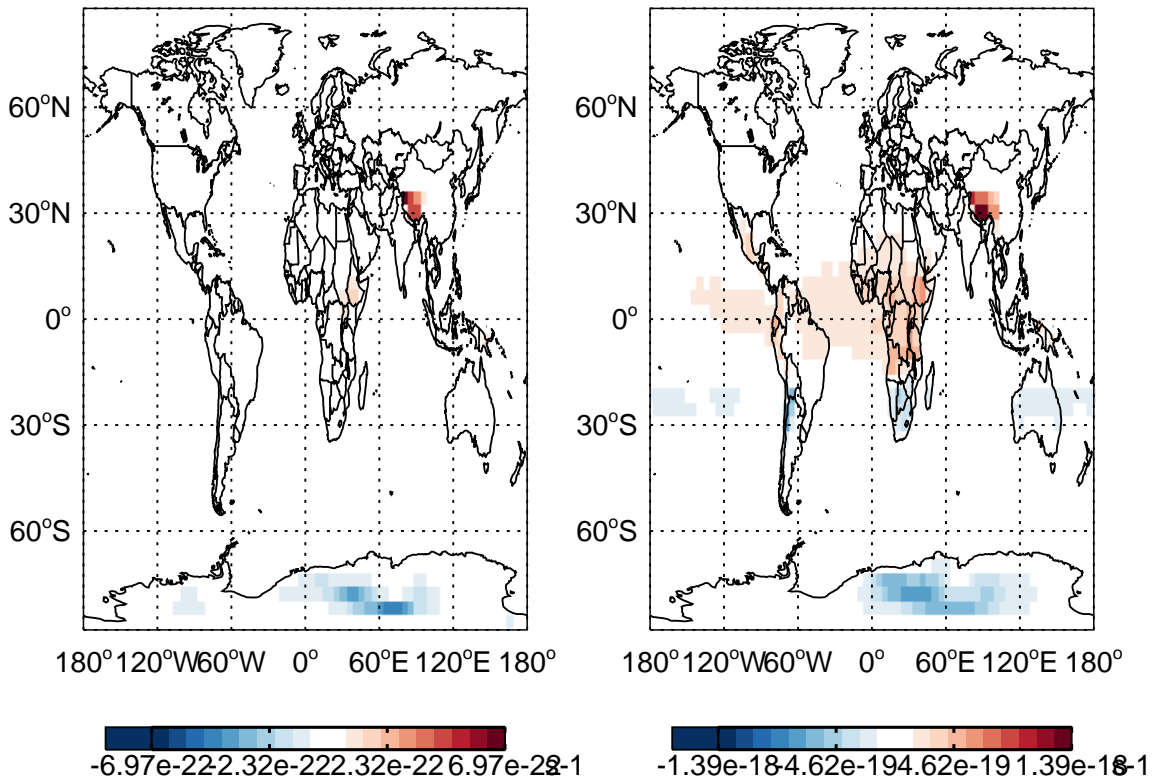
v11-01k-Run0 - v11-01g-Run0

JN2O - J-Value Diff @ surface for Oct N2O - J-Value Diff @ 500 hPa for Oct



v11-01k-Run0 - v11-01f-geosfp-Run0 v11-01k-Run0 - v11-01f-geosfp-Run0

JN2O - J-Value Diff @ surface for Oct N2O - J-Value Diff @ 500 hPa for Oct

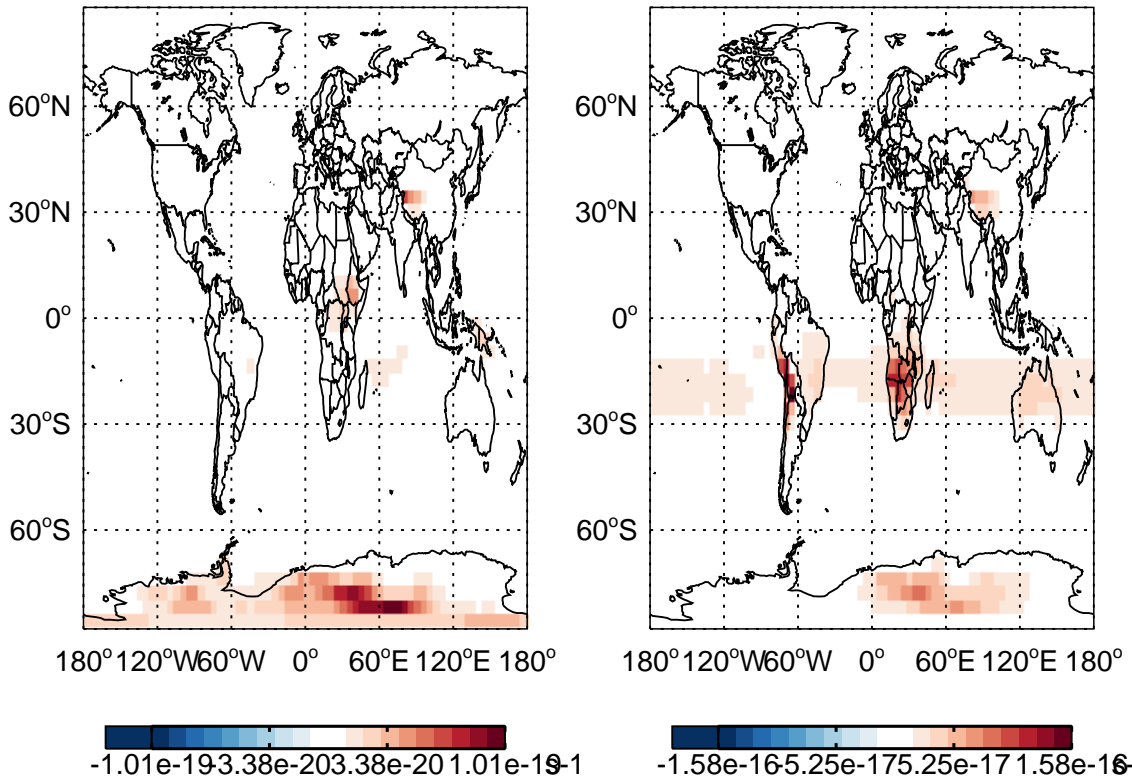


GEOS-Chem J-Values at surface and 500 hPa

v11-01k-Run0 - v11-01g-Run0

v11-01k-Run0 - v11-01g-Run0

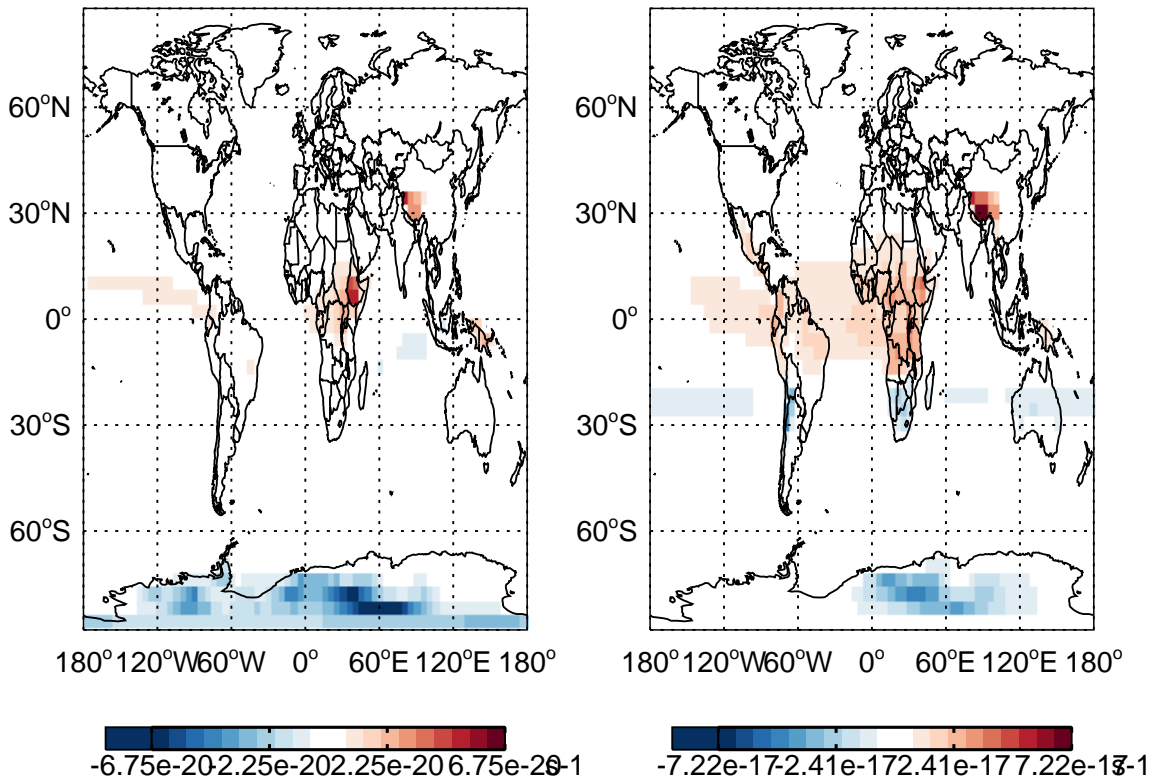
JCCI4 - J-Value Diff @ surface for OdCCl4 - J-Value Diff @ 500 hPa for Oct



v11-01k-Run0 - v11-01f-geosfp-Run0

v11-01k-Run0 - v11-01f-geosfp-Run0

JCCI4 - J-Value Diff @ surface for OdCCl4 - J-Value Diff @ 500 hPa for Oct



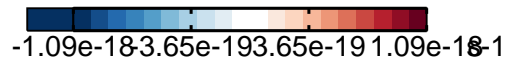
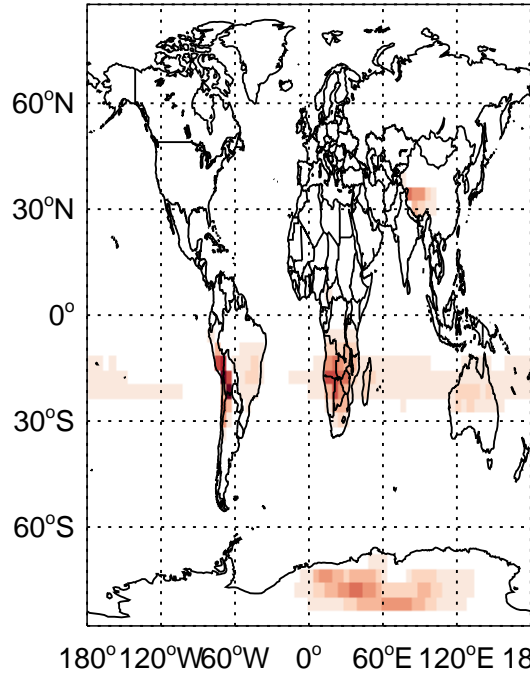
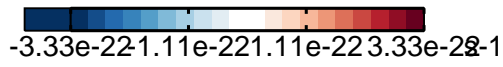
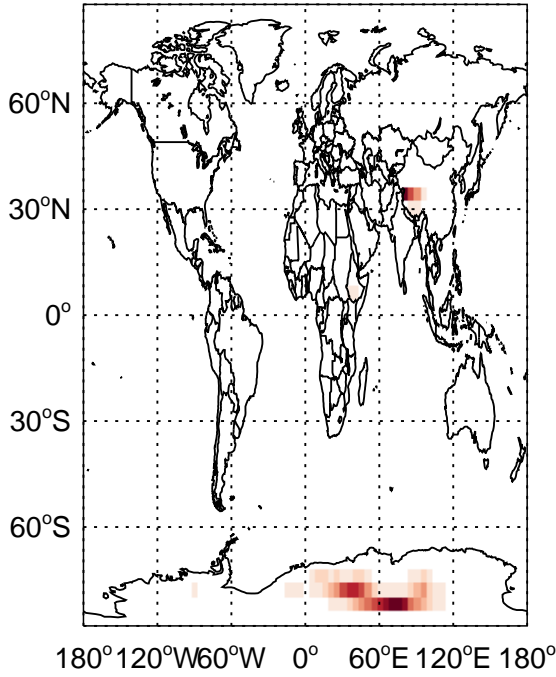
GEOS-Chem J-Values at surface and 500 hPa

v11-01k-Run0 - v11-01g-Run0

v11-01k-Run0 - v11-01g-Run0

JCH3Cl - J-Value Diff @ surface for Oct

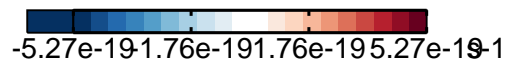
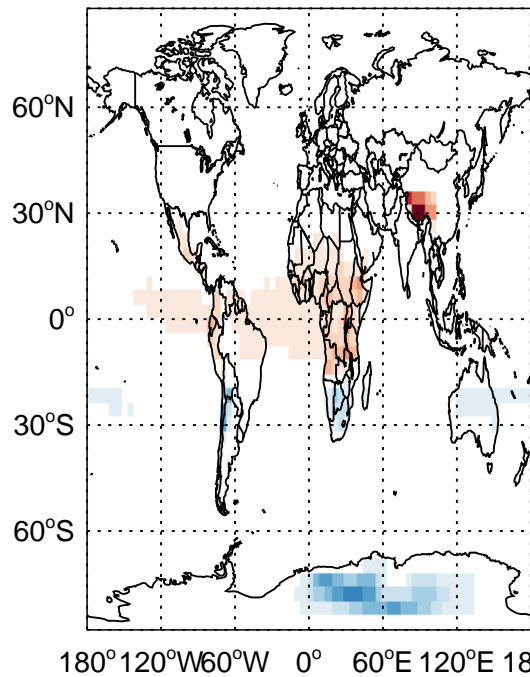
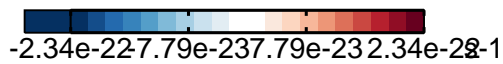
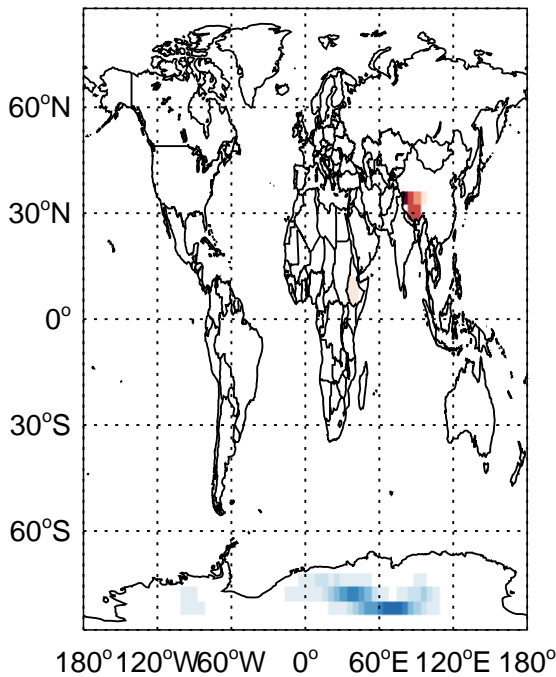
JCH3Cl - J-Value Diff @ 500 hPa for Oct



v11-01k-Run0 - v11-01f-geosfp-Run0

JCH3Cl - J-Value Diff @ surface for Oct

JCH3Cl - J-Value Diff @ 500 hPa for Oct



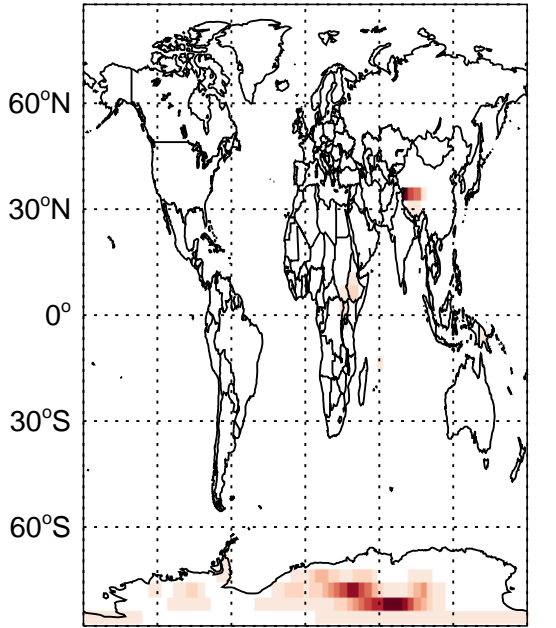
GEOS-Chem J-Values at surface and 500 hPa

v11-01k-Run0 - v11-01g-Run0

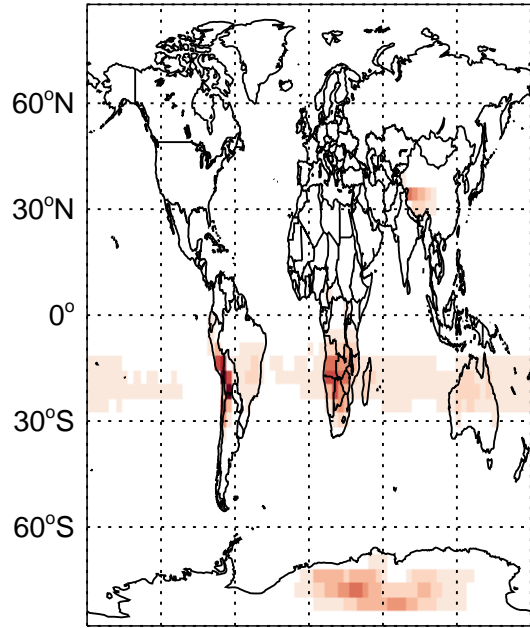
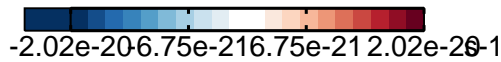
v11-01k-Run0 - v11-01g-Run0

JCFC11 - J-Value Diff @ surface for Oct

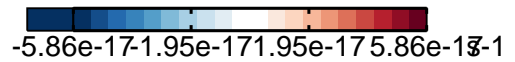
JCFC11 - J-Value Diff @ 500 hPa for Oct



180° 120°W 60°W 0° 60°E 120°E 180°



180° 120°W 60°W 0° 60°E 120°E 180°

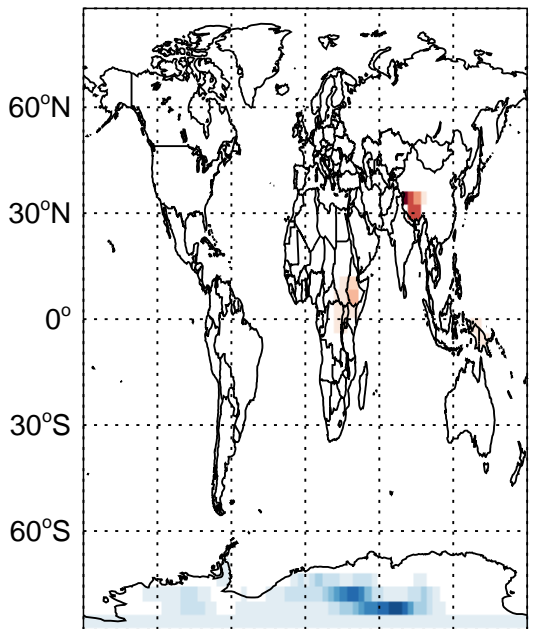


v11-01k-Run0 - v11-01f-geosfp-Run0

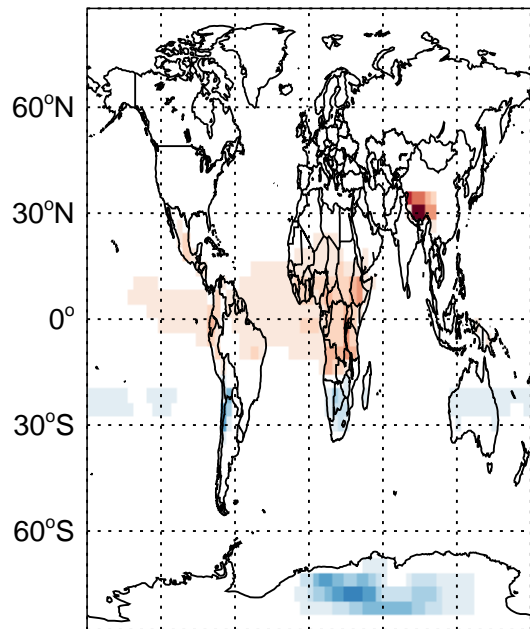
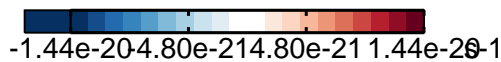
v11-01k-Run0 - v11-01f-geosfp-Run0

JCFC11 - J-Value Diff @ surface for Oct

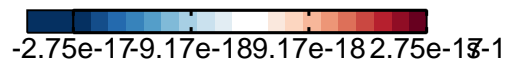
JCFC11 - J-Value Diff @ 500 hPa for Oct



180° 120°W 60°W 0° 60°E 120°E 180°



180° 120°W 60°W 0° 60°E 120°E 180°



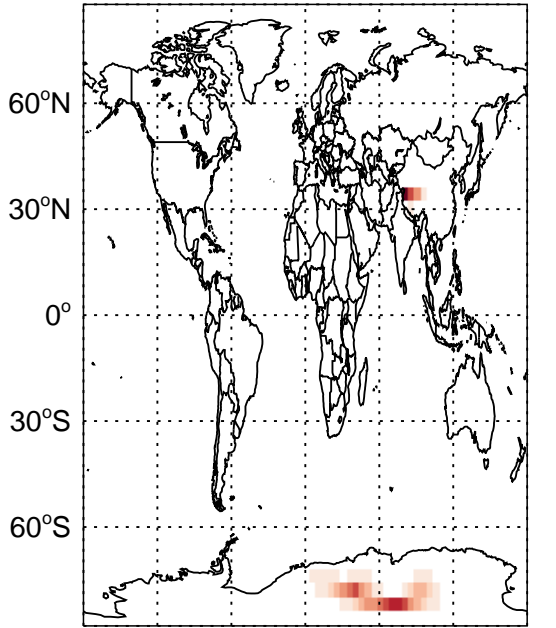
GEOS-Chem J-Values at surface and 500 hPa

v11-01k-Run0 - v11-01g-Run0

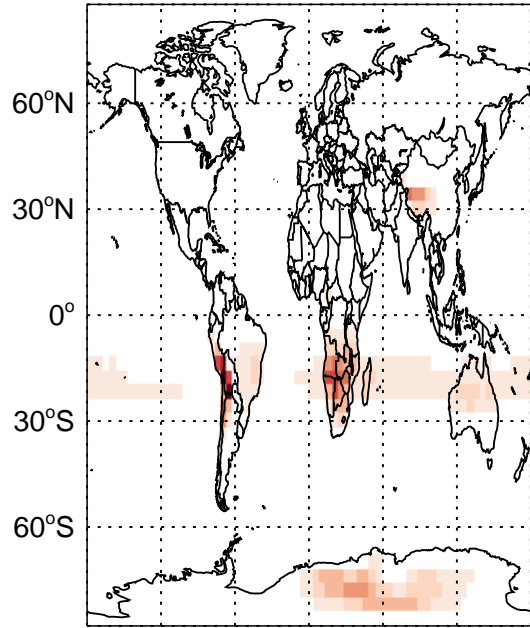
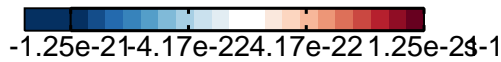
v11-01k-Run0 - v11-01g-Run0

JCFC12 - J-Value Diff @ surface for Oct

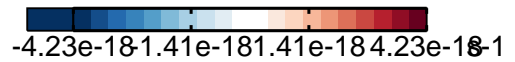
JCFC12 - J-Value Diff @ 500 hPa for Oct



180° 120°W 60°W 0° 60°E 120°E 180°



180° 120°W 60°W 0° 60°E 120°E 180°

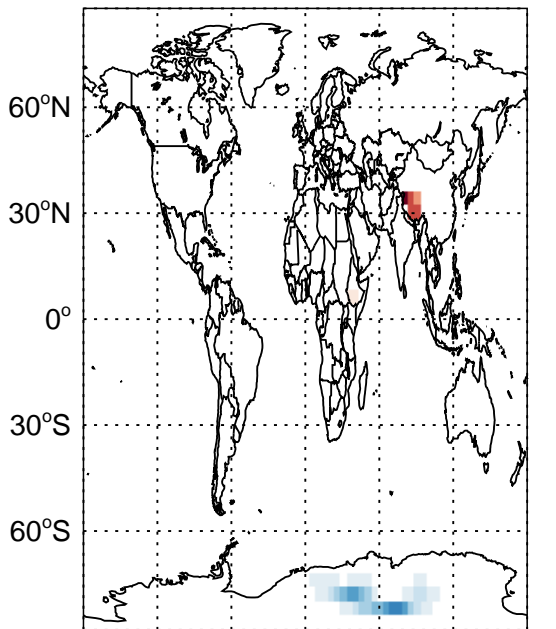


v11-01k-Run0 - v11-01f-geosfp-Run0

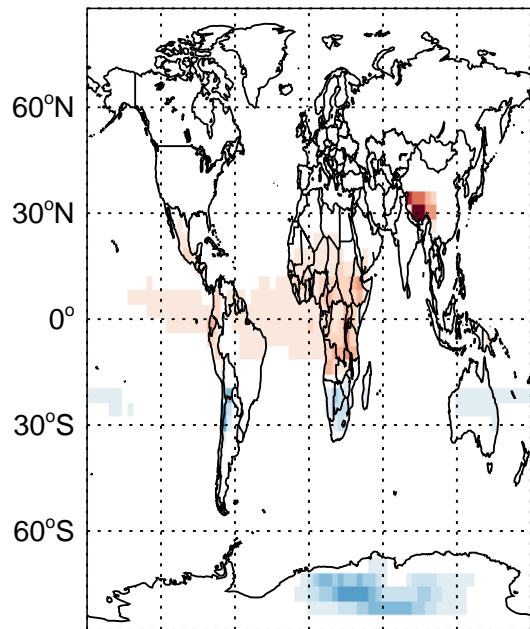
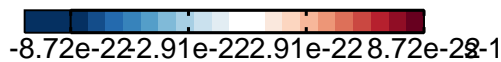
v11-01k-Run0 - v11-01f-geosfp-Run0

JCFC12 - J-Value Diff @ surface for Oct

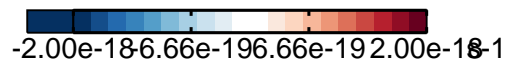
JCFC12 - J-Value Diff @ 500 hPa for Oct



180° 120°W 60°W 0° 60°E 120°E 180°



180° 120°W 60°W 0° 60°E 120°E 180°

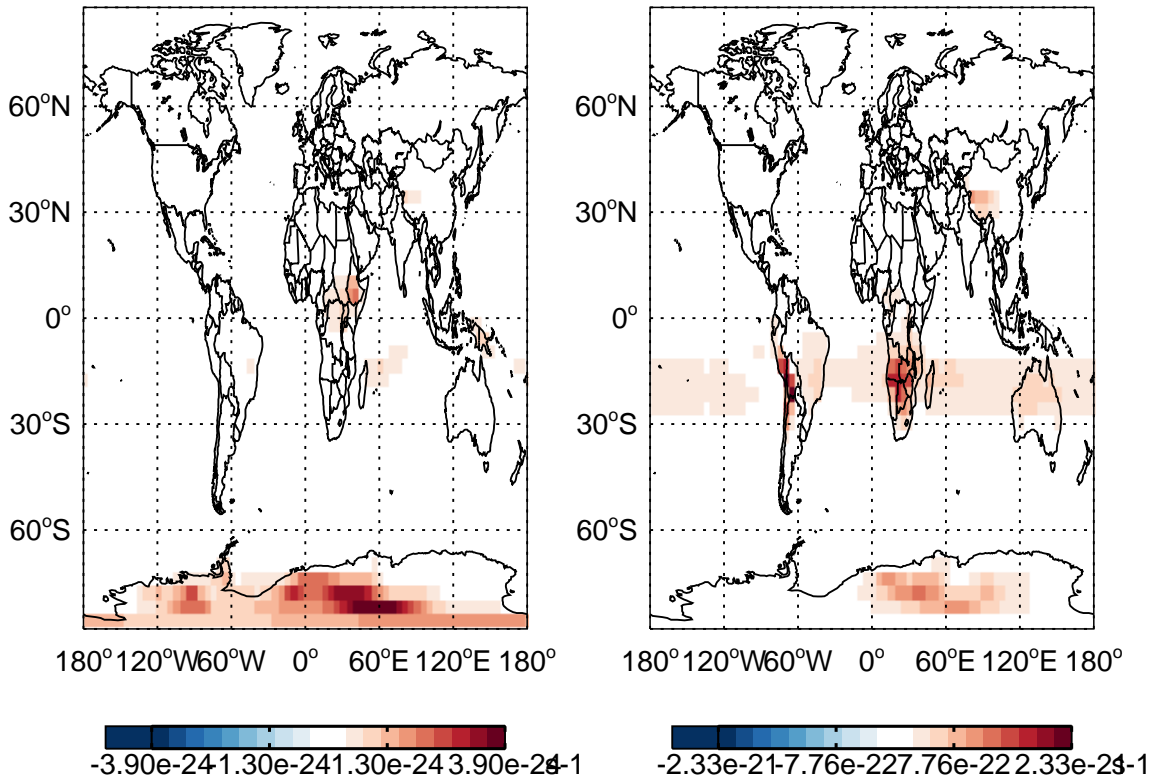


GEOS-Chem J-Values at surface and 500 hPa

v11-01k-Run0 - v11-01g-Run0

v11-01k-Run0 - v11-01g-Run0

JO2 - J-Value Diff @ surface for Oct JO2 - J-Value Diff @ 500 hPa for Oct



v11-01k-Run0 - v11-01f-geosfp-Run0 v11-01k-Run0 - v11-01f-geosfp-Run0

JO2 - J-Value Diff @ surface for Oct JO2 - J-Value Diff @ 500 hPa for Oct

