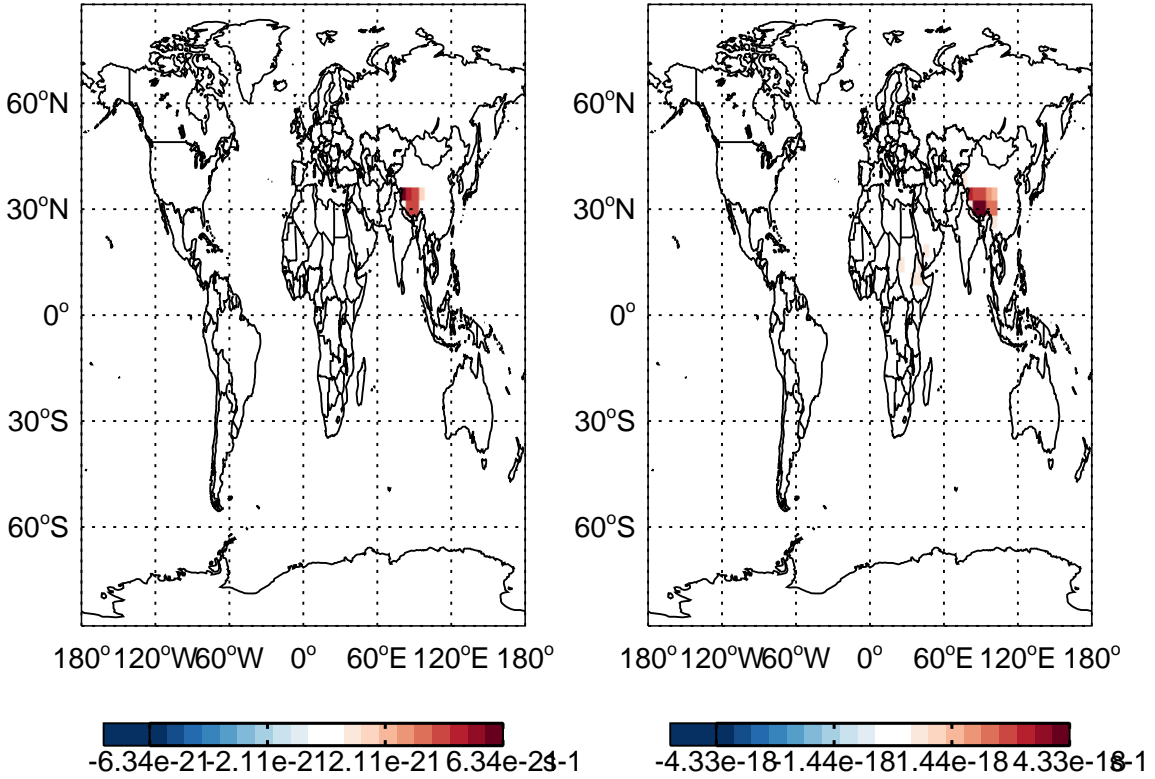


GEOS-Chem J-Values at surface and 500 hPa

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

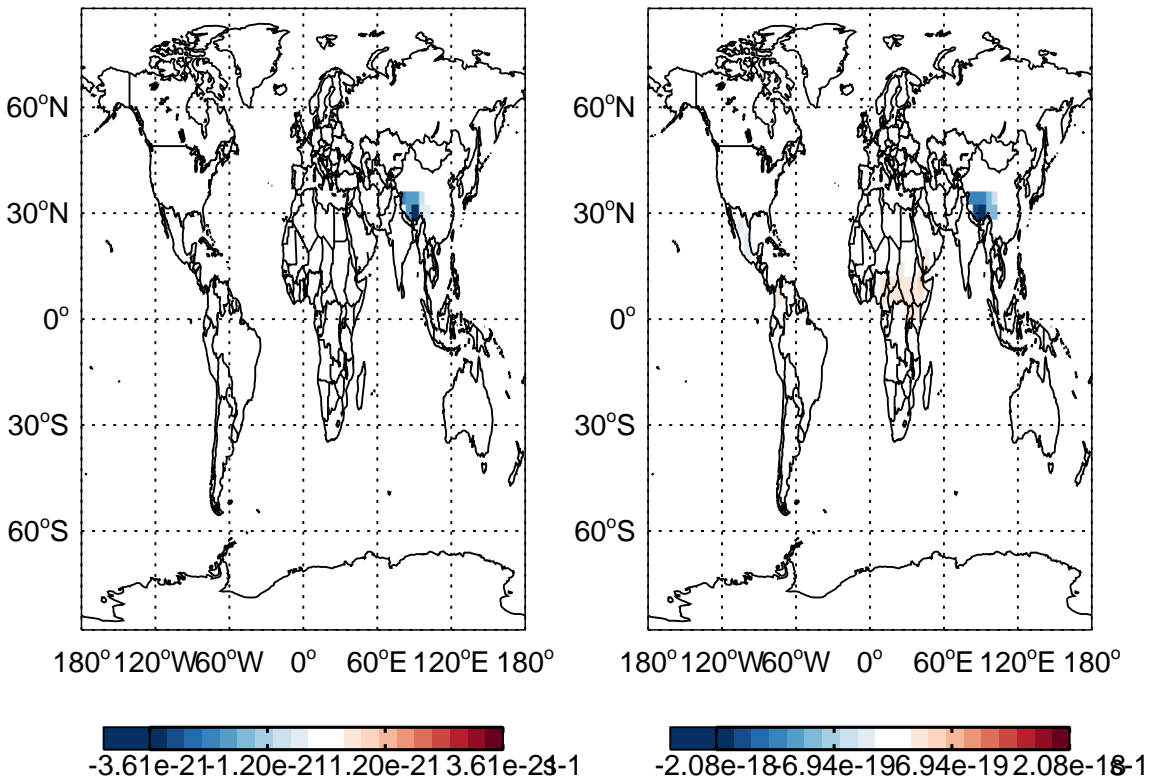
v11-01k-Run0 - v11-01g-Run0

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



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

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



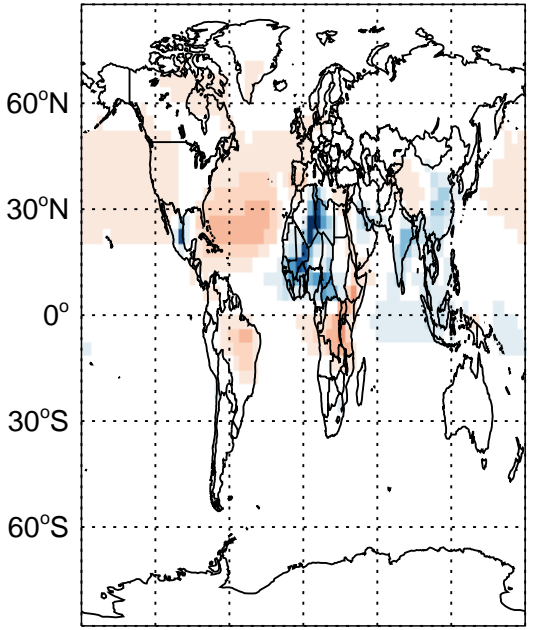
GEOS-Chem J-Values at surface and 500 hPa

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

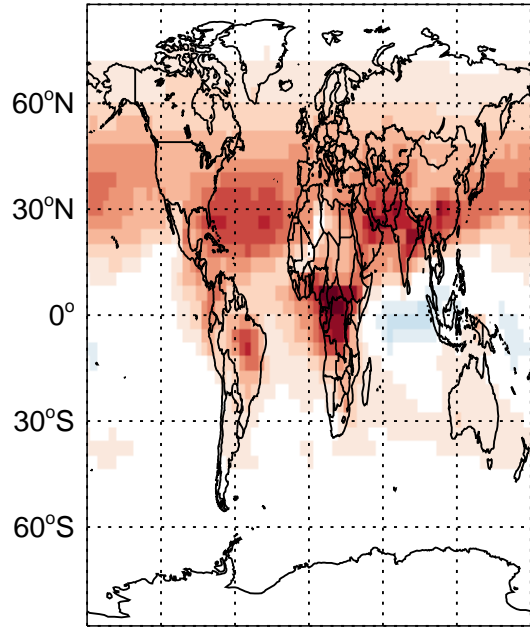
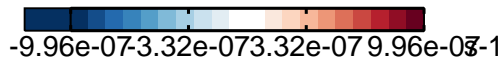
v11-01k-Run0 - v11-01g-Run0

JO3_O1D - J-Value Diff @ surface for Apr

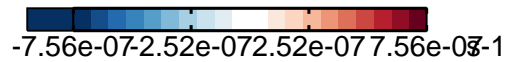
JO3_O1D - J-Value Diff @ 500 hPa for Apr



180° 120°W 60°W 0° 60°E 120°E 180°



180° 120°W 60°W 0° 60°E 120°E 180°

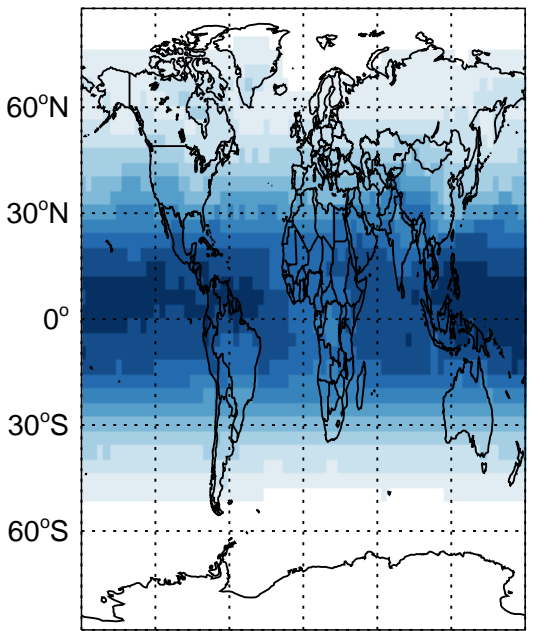


v11-01k-Run0 - v11-01f-geosfp-Run0

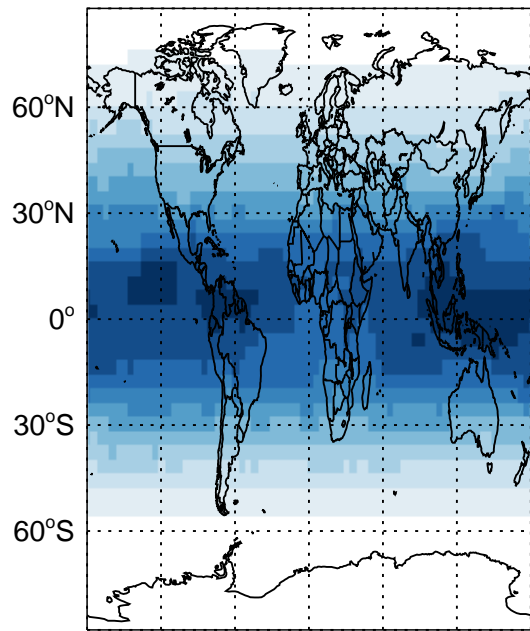
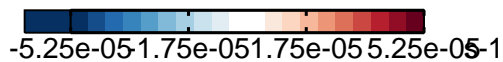
v11-01k-Run0 - v11-01f-geosfp-Run0

JO3_O1D - J-Value Diff @ surface for Apr

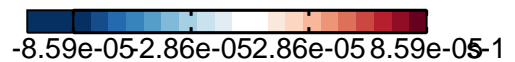
JO3_O1D - J-Value Diff @ 500 hPa for Apr



180° 120°W 60°W 0° 60°E 120°E 180°



180° 120°W 60°W 0° 60°E 120°E 180°



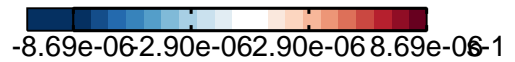
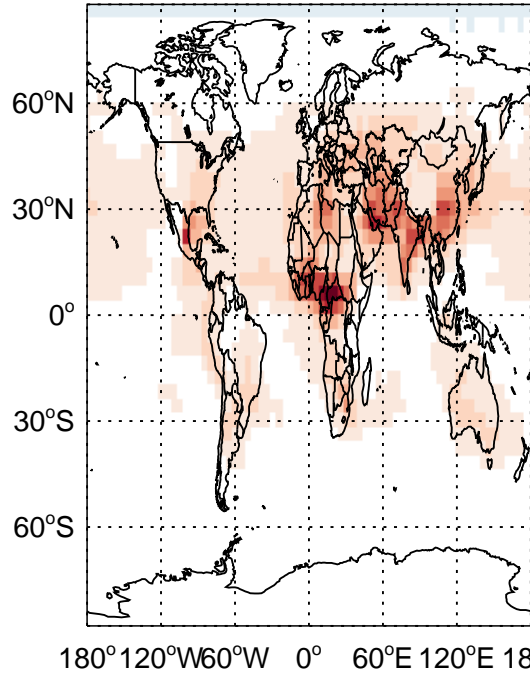
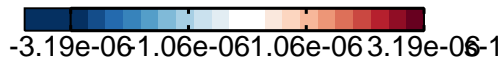
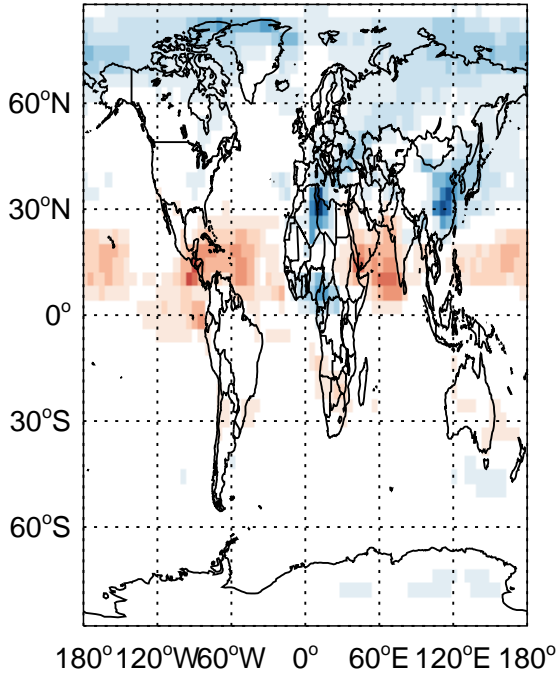
GEOS-Chem J-Values at surface and 500 hPa

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

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

JO3_O3P - J-Value Diff @ surface for Apr

JO3_O3P - J-Value Diff @ 500 hPa for Apr

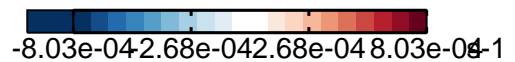
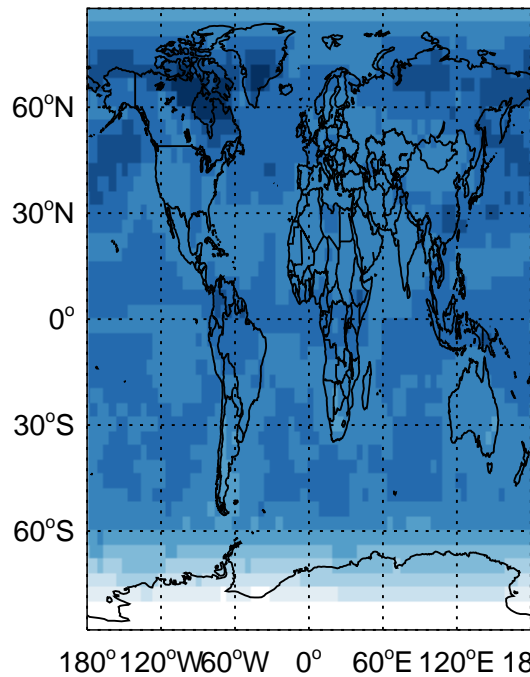
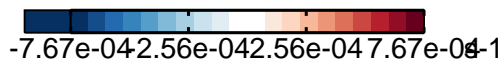
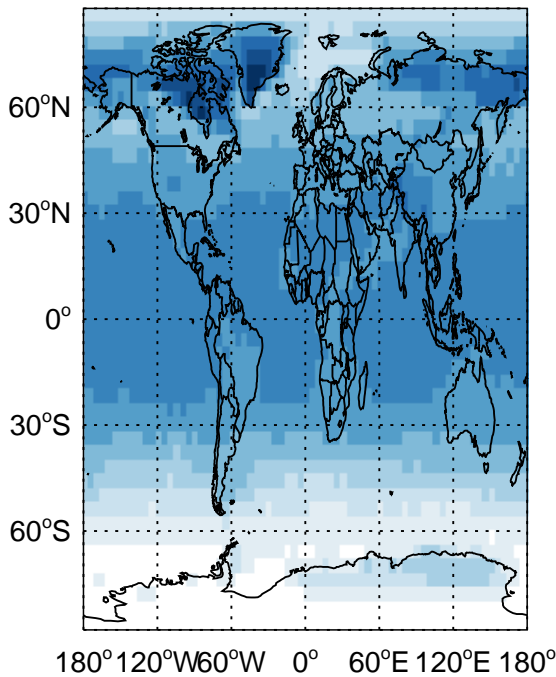


v11-01k-Run0 - v11-01f-geosfp-Run0

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

JO3_O3P - J-Value Diff @ surface for Apr

JO3_O3P - J-Value Diff @ 500 hPa for Apr



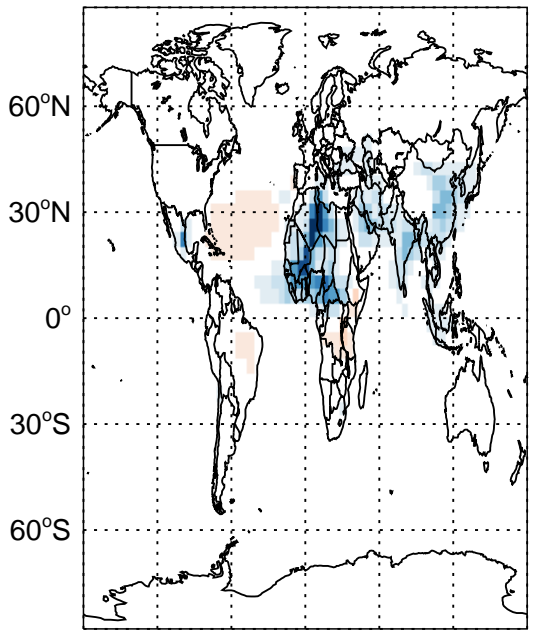
GEOS-Chem J-Values at surface and 500 hPa

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

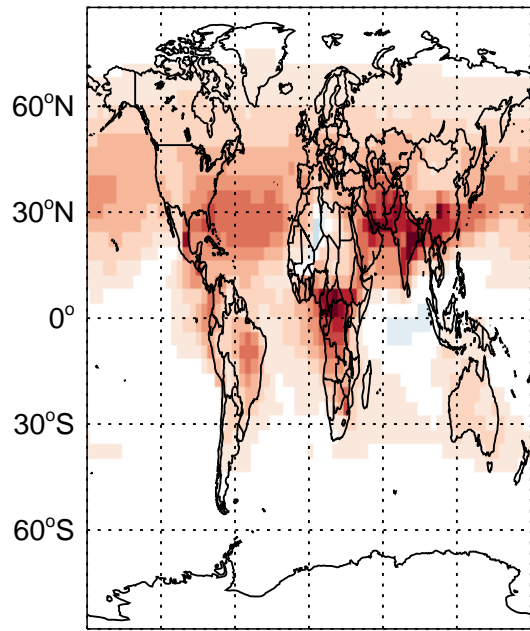
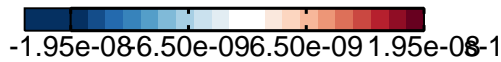
v11-01k-Run0 - v11-01g-Run0

JHNO3 - J-Value Diff @ surface for Apr

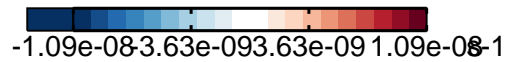
JHNO3 - J-Value Diff @ 500 hPa for Apr



180° 120°W 60°W 0° 60°E 120°E 180°



180° 120°W 60°W 0° 60°E 120°E 180°

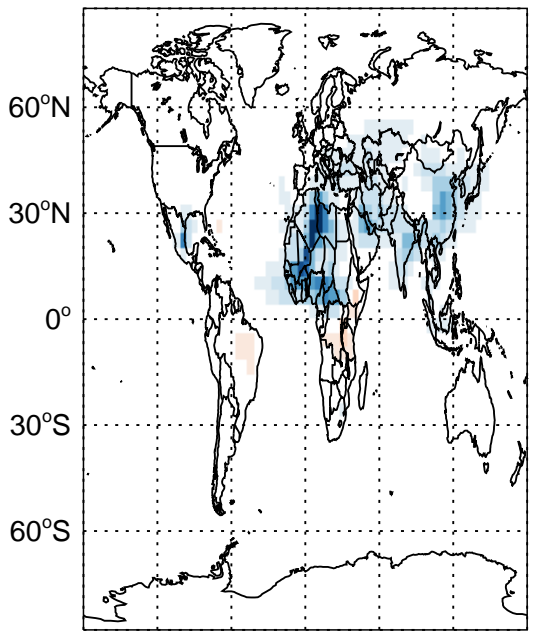


v11-01k-Run0 - v11-01f-geosfp-Run0

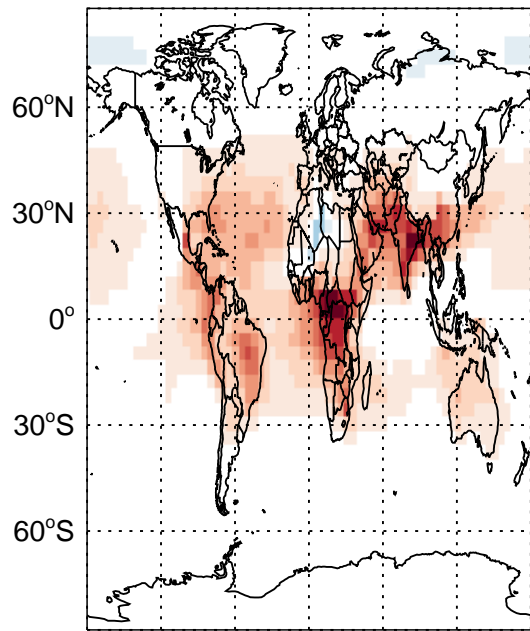
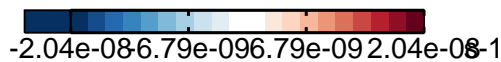
v11-01k-Run0 - v11-01f-geosfp-Run0

JHNO3 - J-Value Diff @ surface for Apr

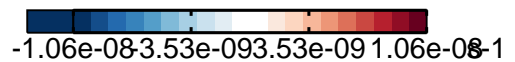
JHNO3 - J-Value Diff @ 500 hPa for Apr



180° 120°W 60°W 0° 60°E 120°E 180°



180° 120°W 60°W 0° 60°E 120°E 180°



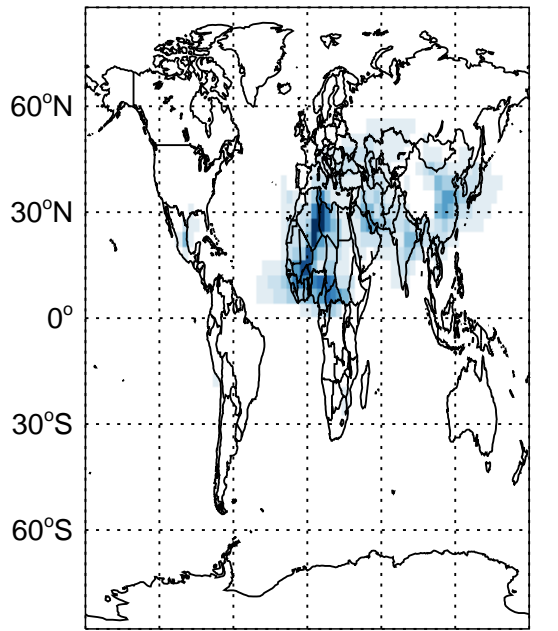
GEOS-Chem J-Values at surface and 500 hPa

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

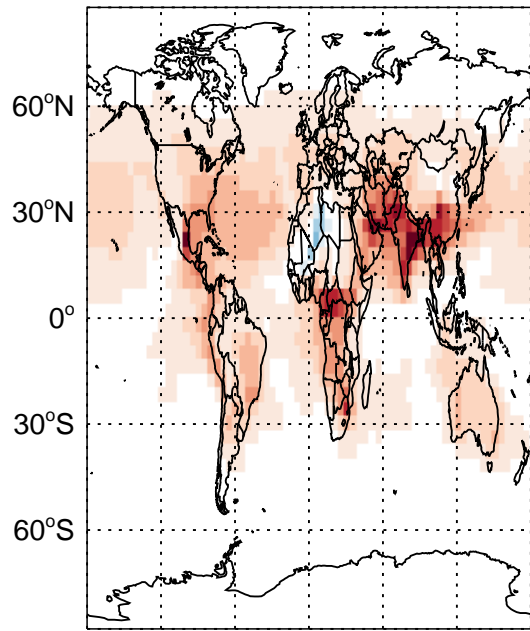
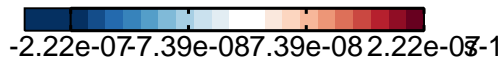
v11-01k-Run0 - v11-01g-Run0

JH2O2 - J-Value Diff @ surface for Apr

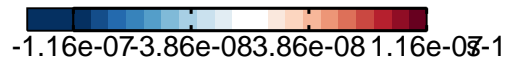
JH2O2 - J-Value Diff @ 500 hPa for Apr



180° 120°W 60°W 0° 60°E 120°E 180°



180° 120°W 60°W 0° 60°E 120°E 180°

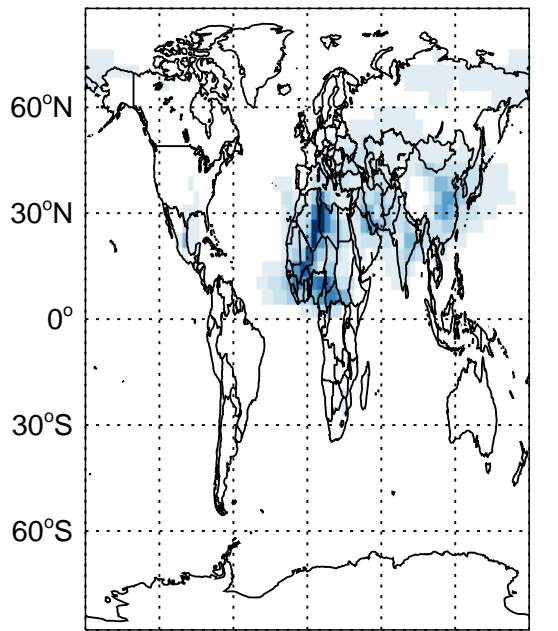


v11-01k-Run0 - v11-01f-geosfp-Run0

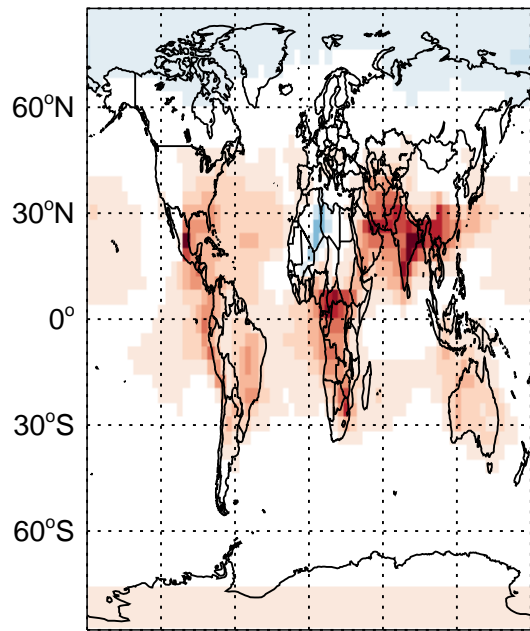
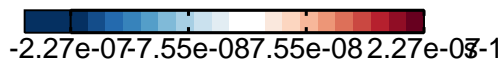
v11-01k-Run0 - v11-01f-geosfp-Run0

JH2O2 - J-Value Diff @ surface for Apr

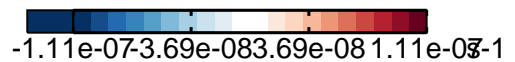
JH2O2 - J-Value Diff @ 500 hPa for Apr



180° 120°W 60°W 0° 60°E 120°E 180°



180° 120°W 60°W 0° 60°E 120°E 180°



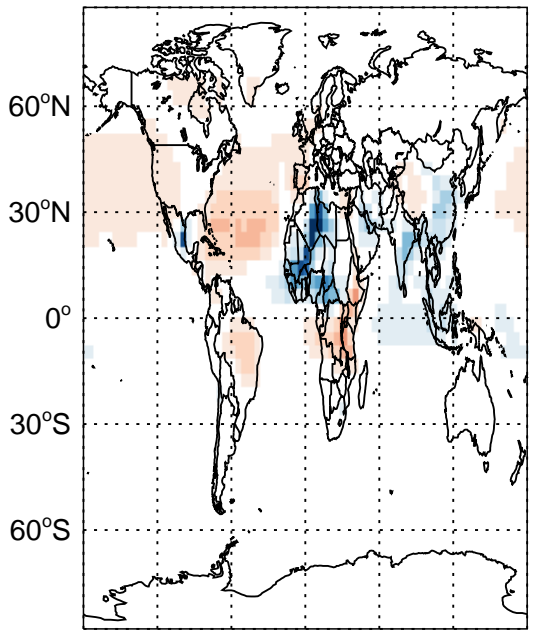
GEOS-Chem J-Values at surface and 500 hPa

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

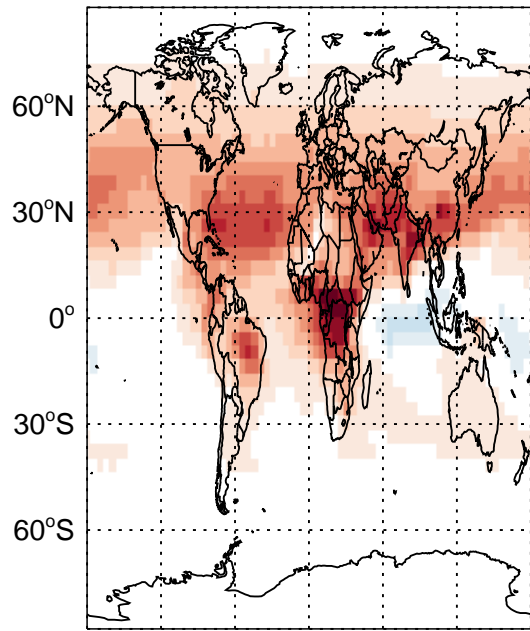
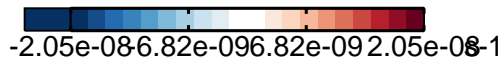
v11-01k-Run0 - v11-01g-Run0

JACET - J-Value Diff @ surface for Apr

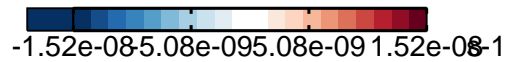
JACET - J-Value Diff @ 500 hPa for Apr



180° 120°W 60°W 0° 60°E 120°E 180°



180° 120°W 60°W 0° 60°E 120°E 180°

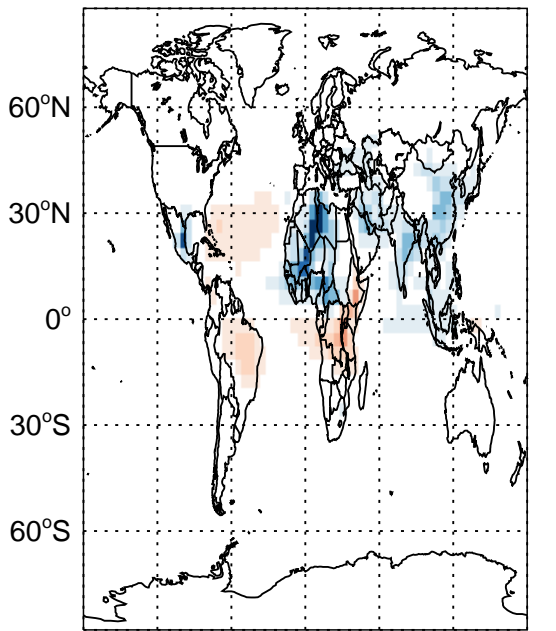


v11-01k-Run0 - v11-01f-geosfp-Run0

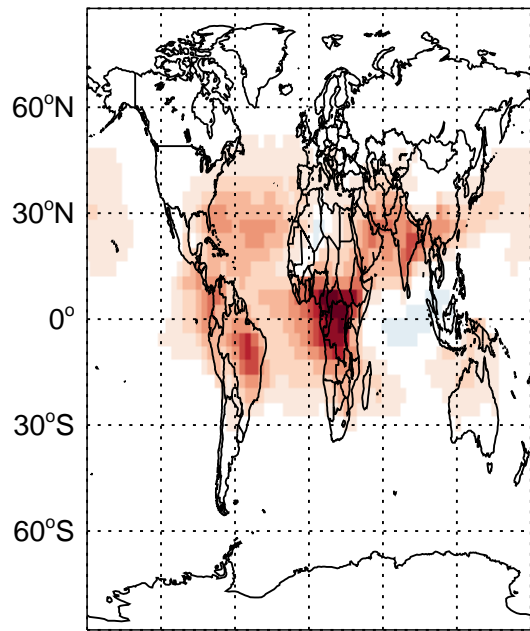
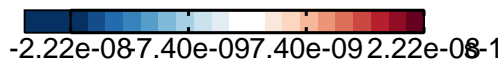
v11-01k-Run0 - v11-01f-geosfp-Run0

JACET - J-Value Diff @ surface for Apr

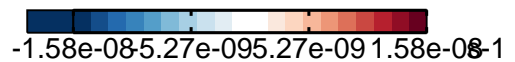
JACET - J-Value Diff @ 500 hPa for Apr



180° 120°W 60°W 0° 60°E 120°E 180°



180° 120°W 60°W 0° 60°E 120°E 180°



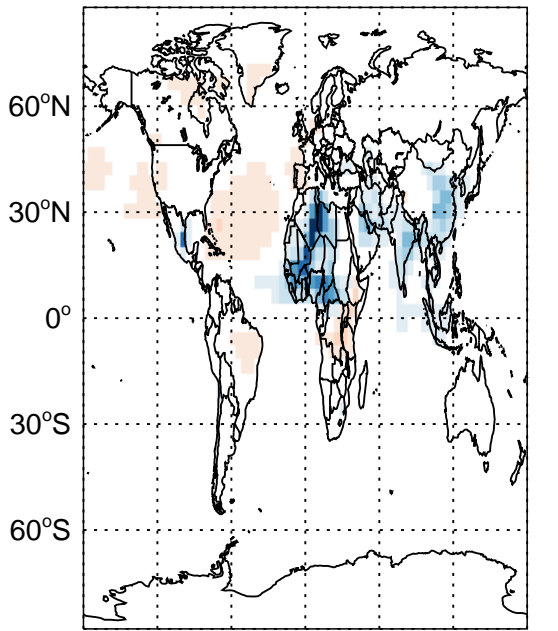
GEOS-Chem J-Values at surface and 500 hPa

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

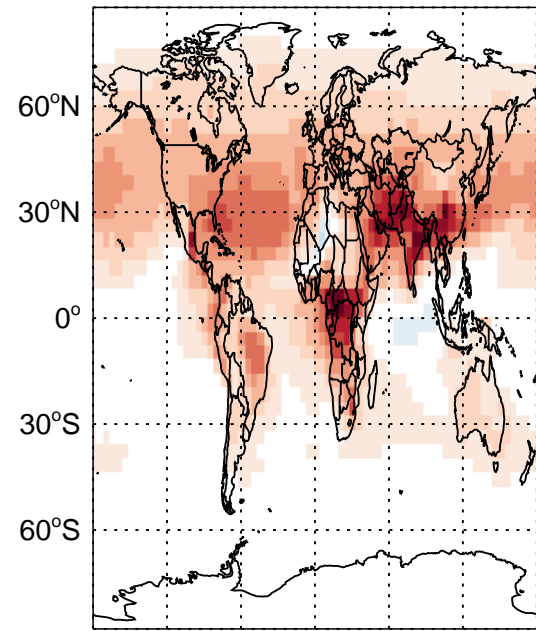
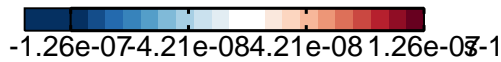
v11-01k-Run0 - v11-01g-Run0

JALD2 - J-Value Diff @ surface for Apr

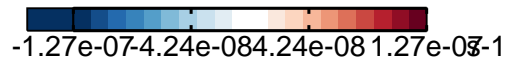
JALD2 - J-Value Diff @ 500 hPa for Apr



180° 120°W 60°W 0° 60°E 120°E 180°



180° 120°W 60°W 0° 60°E 120°E 180°

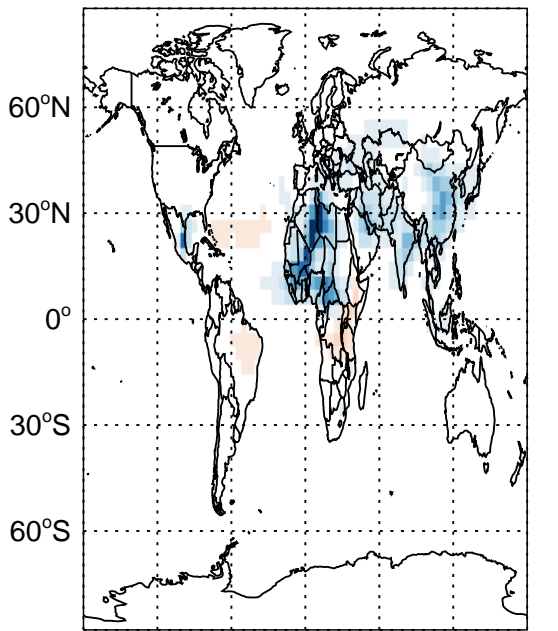


v11-01k-Run0 - v11-01f-geosfp-Run0

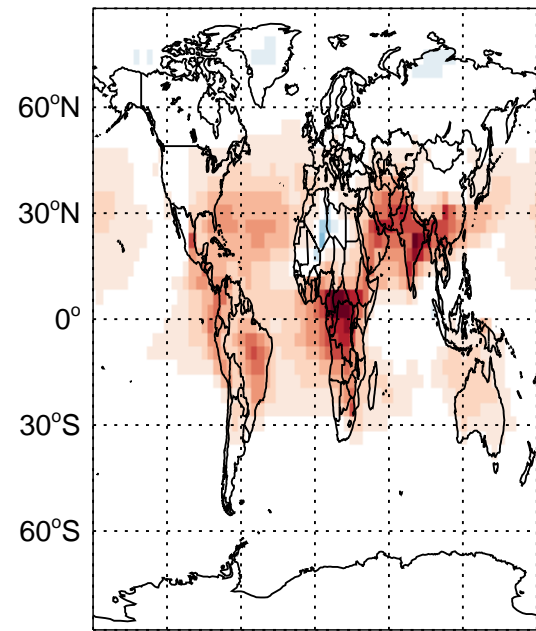
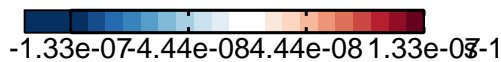
v11-01k-Run0 - v11-01f-geosfp-Run0

JALD2 - J-Value Diff @ surface for Apr

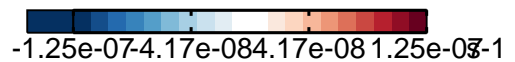
JALD2 - J-Value Diff @ 500 hPa for Apr



180° 120°W 60°W 0° 60°E 120°E 180°



180° 120°W 60°W 0° 60°E 120°E 180°



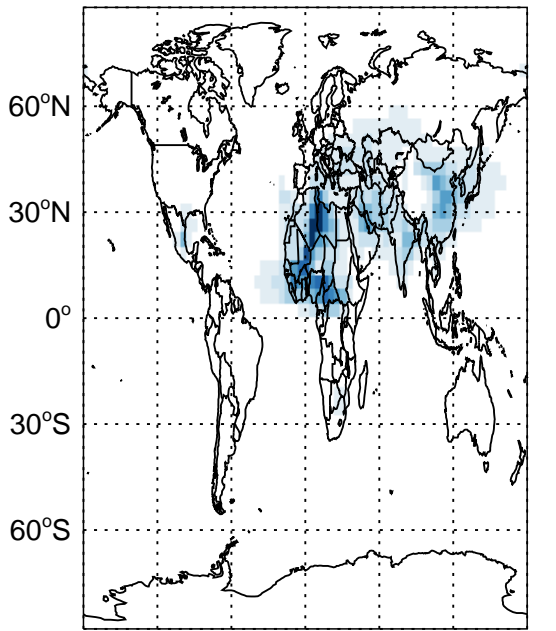
GEOS-Chem J-Values at surface and 500 hPa

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

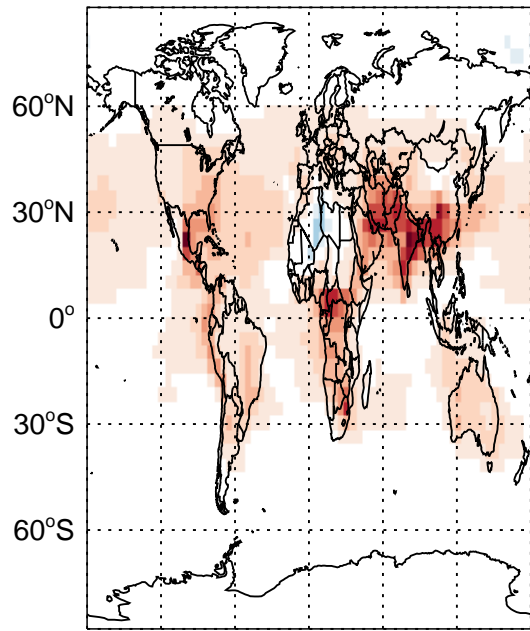
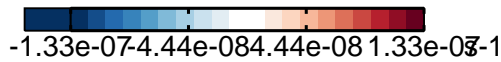
v11-01k-Run0 - v11-01g-Run0

JMK - J-Value Diff @ surface for Apr

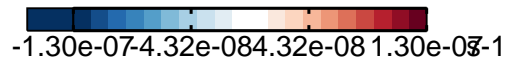
JMK - J-Value Diff @ 500 hPa for Apr



180° 120°W 60°W 0° 60°E 120°E 180°



180° 120°W 60°W 0° 60°E 120°E 180°

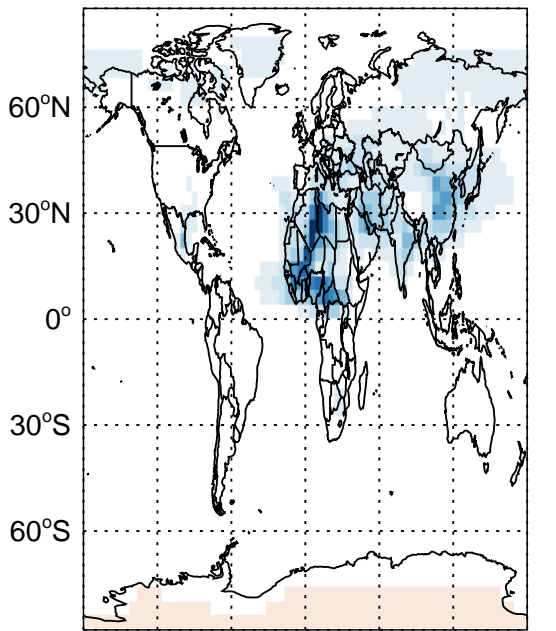


v11-01k-Run0 - v11-01f-geosfp-Run0

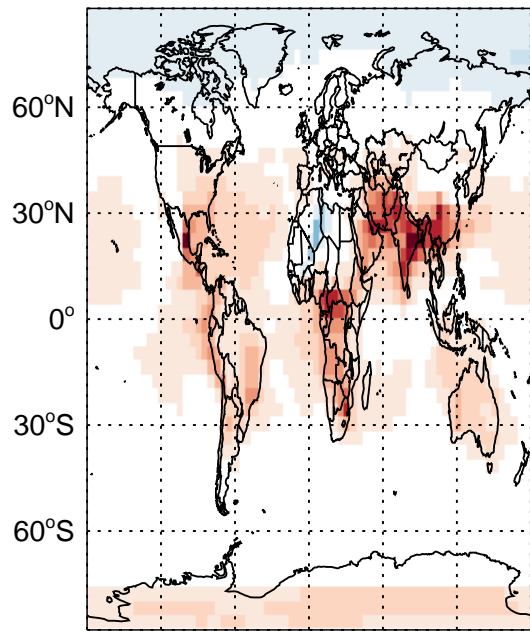
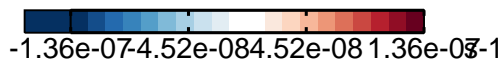
v11-01k-Run0 - v11-01f-geosfp-Run0

JMK - J-Value Diff @ surface for Apr

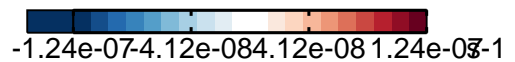
JMK - J-Value Diff @ 500 hPa for Apr



180° 120°W 60°W 0° 60°E 120°E 180°



180° 120°W 60°W 0° 60°E 120°E 180°



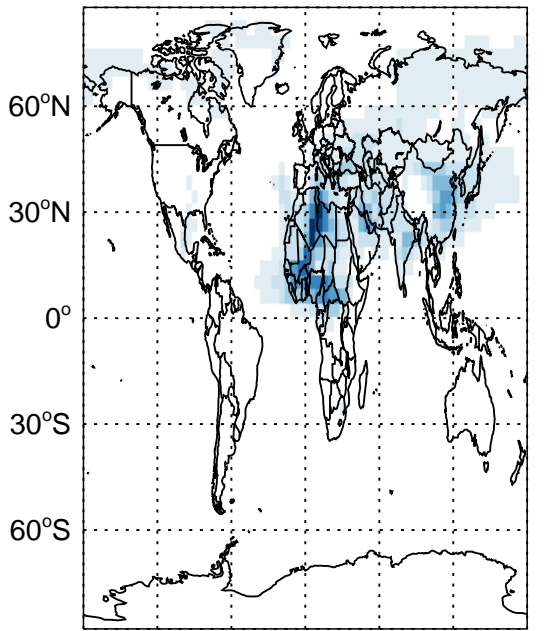
GEOS-Chem J-Values at surface and 500 hPa

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

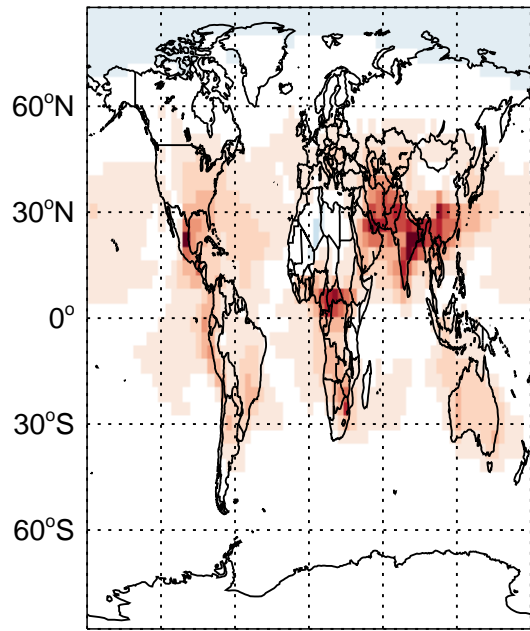
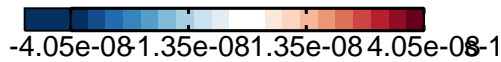
v11-01k-Run0 - v11-01g-Run0

JMACR - J-Value Diff @ surface for AMACR

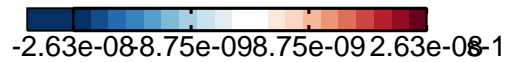
JMACR - J-Value Diff @ 500 hPa for Apr



180° 120°W 60°W 0° 60°E 120°E 180°



180° 120°W 60°W 0° 60°E 120°E 180°

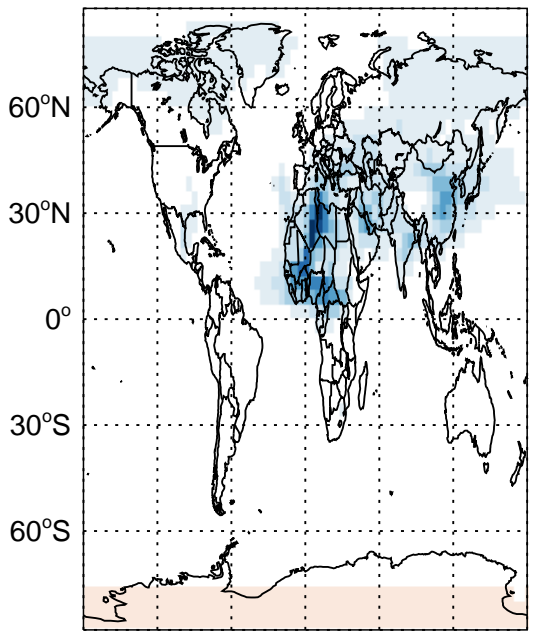


v11-01k-Run0 - v11-01f-geosfp-Run0

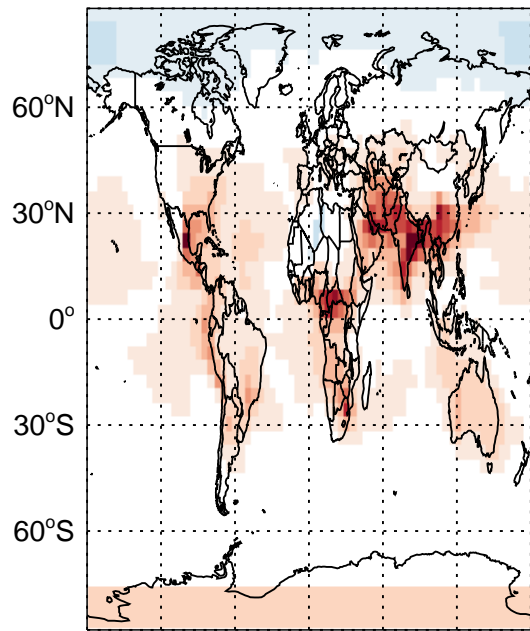
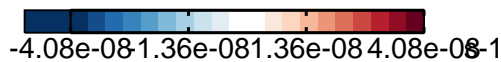
v11-01k-Run0 - v11-01f-geosfp-Run0

JMACR - J-Value Diff @ surface for AMACR

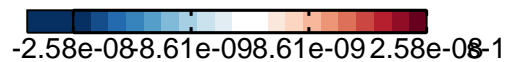
JMACR - J-Value Diff @ 500 hPa for Apr



180° 120°W 60°W 0° 60°E 120°E 180°



180° 120°W 60°W 0° 60°E 120°E 180°



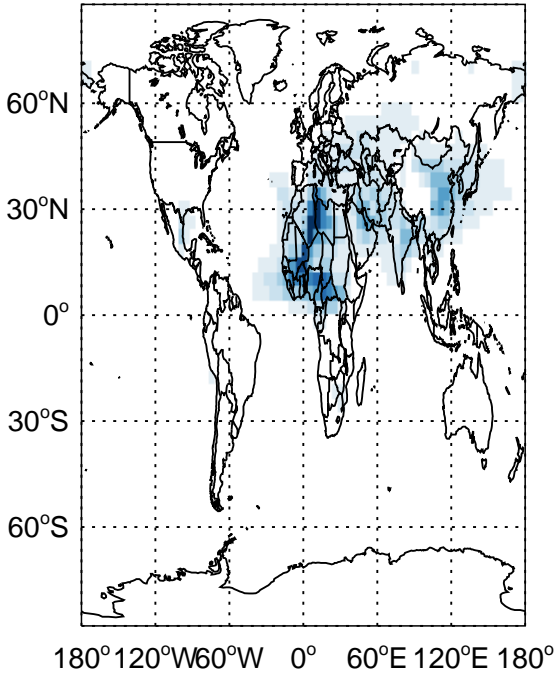
GEOS-Chem J-Values at surface and 500 hPa

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

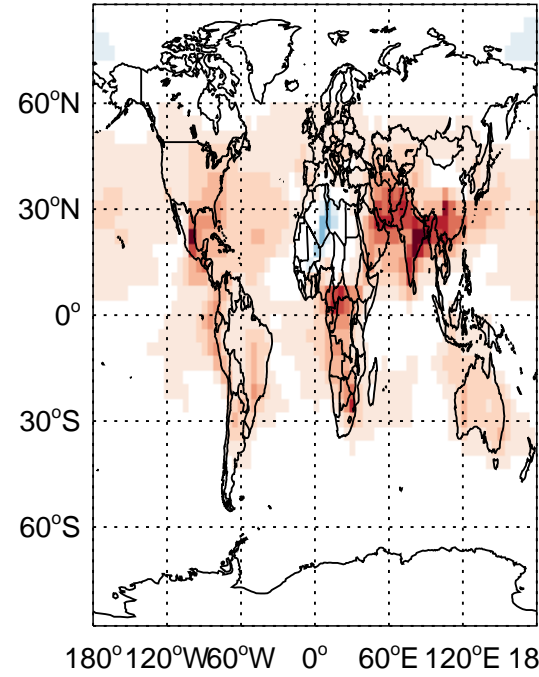
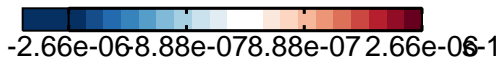
v11-01k-Run0 - v11-01g-Run0

JCH₂O - J-Value Diff @ surface for Apr

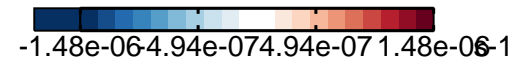
JOH₂O - J-Value Diff @ 500 hPa for Apr



180° 120°W 60°W 0° 60°E 120°E 180°



180° 120°W 60°W 0° 60°E 120°E 180°

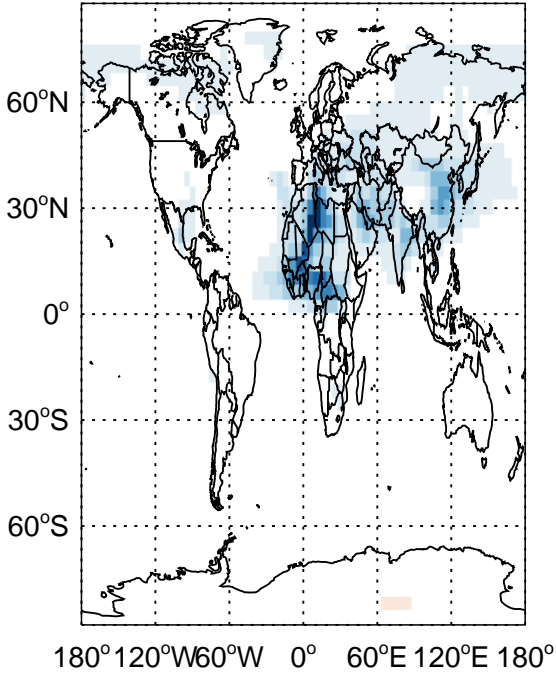


v11-01k-Run0 - v11-01f-geosfp-Run0

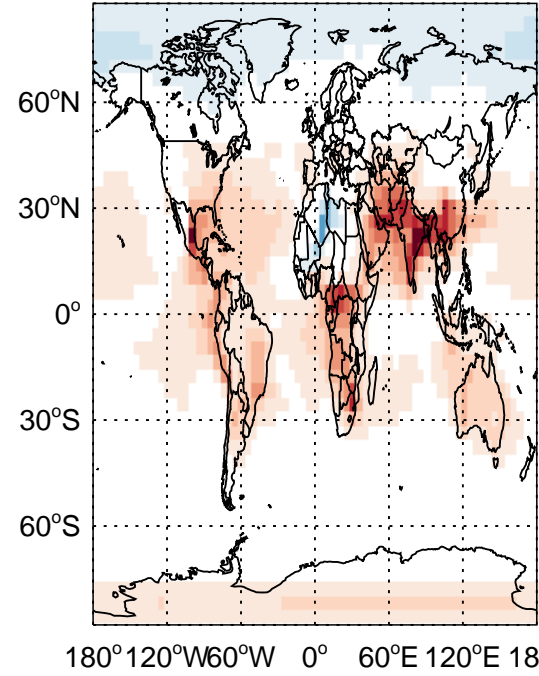
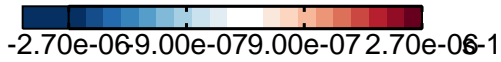
v11-01k-Run0 - v11-01f-geosfp-Run0

JCH₂O - J-Value Diff @ surface for Apr

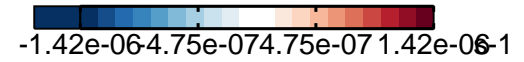
JOH₂O - J-Value Diff @ 500 hPa for Apr



180° 120°W 60°W 0° 60°E 120°E 180°



180° 120°W 60°W 0° 60°E 120°E 180°

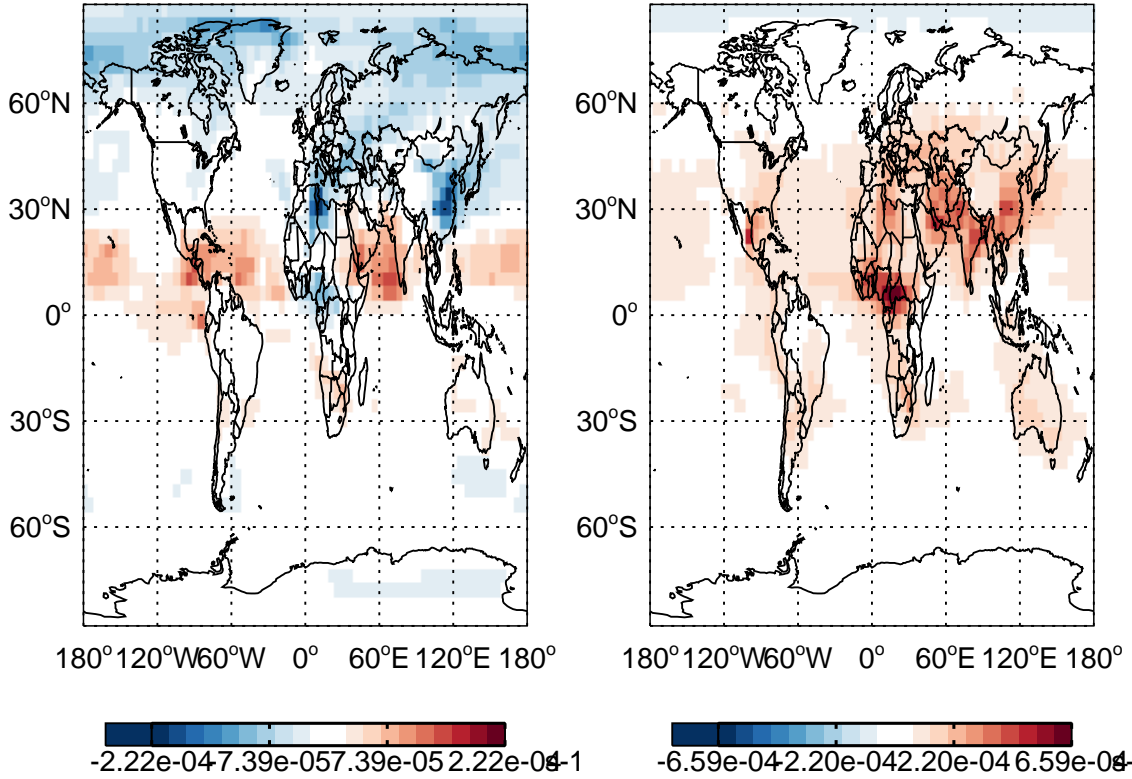


GEOS-Chem J-Values at surface and 500 hPa

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

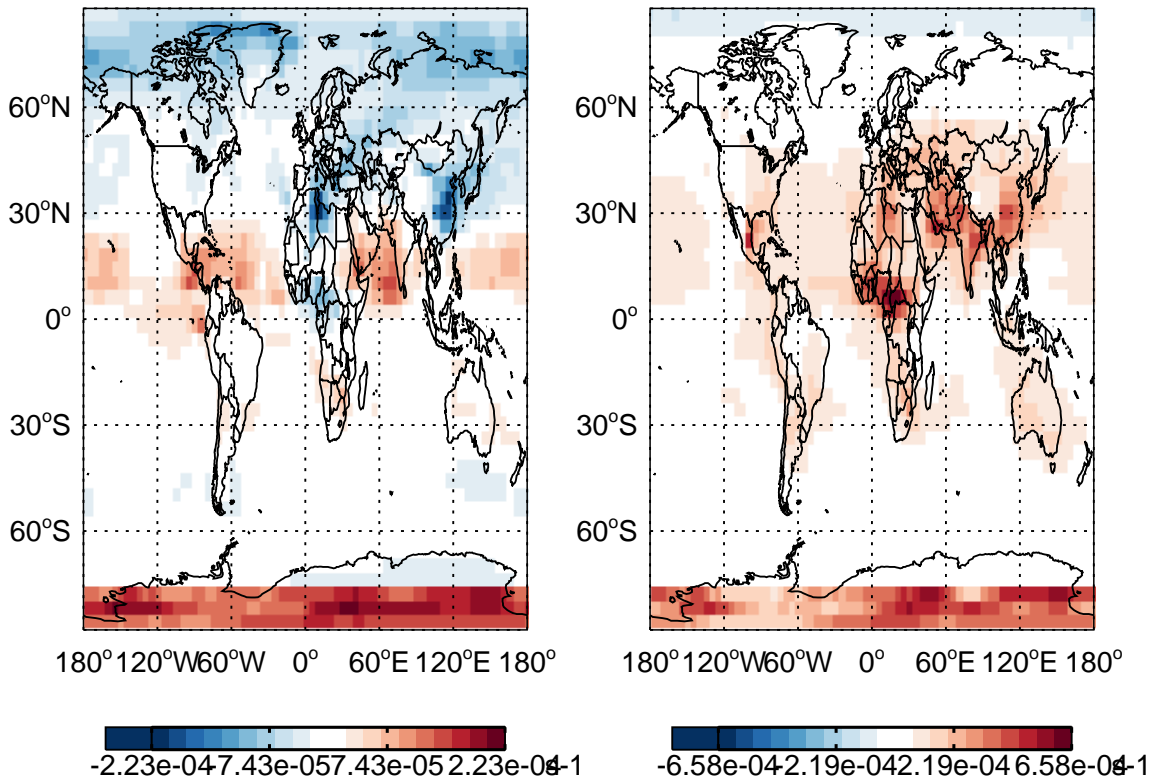
v11-01k-Run0 - v11-01g-Run0

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



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

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

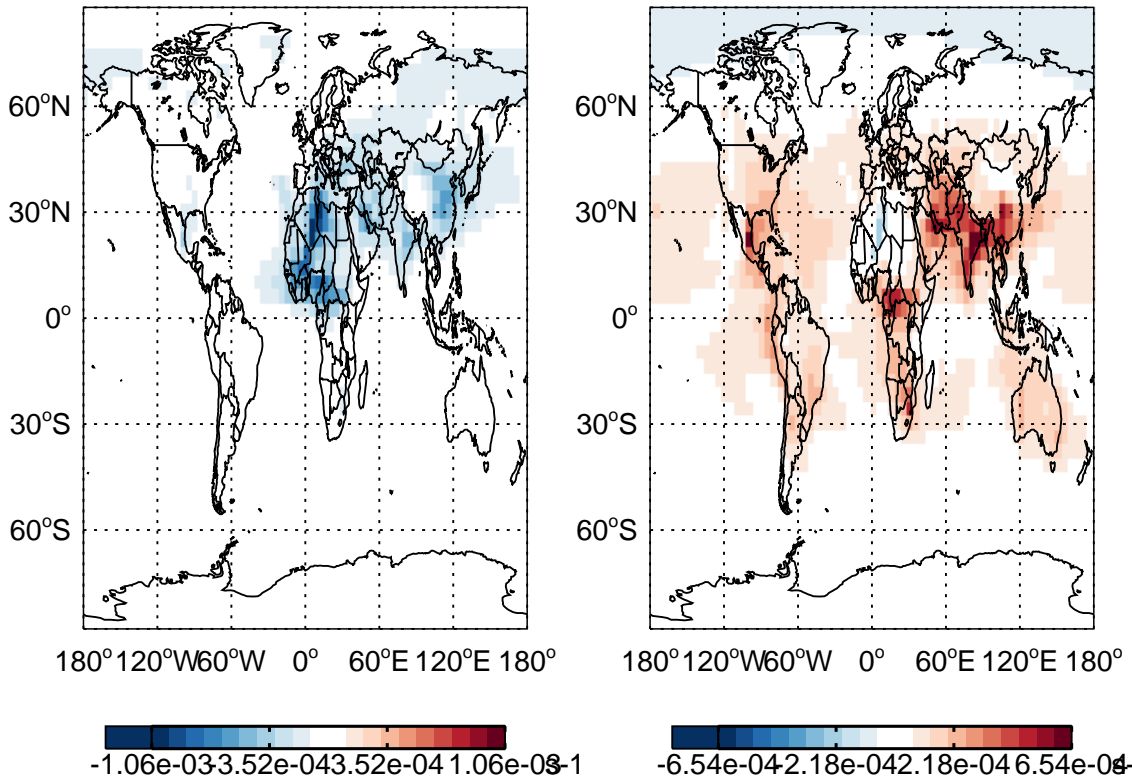


GEOS-Chem J-Values at surface and 500 hPa

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

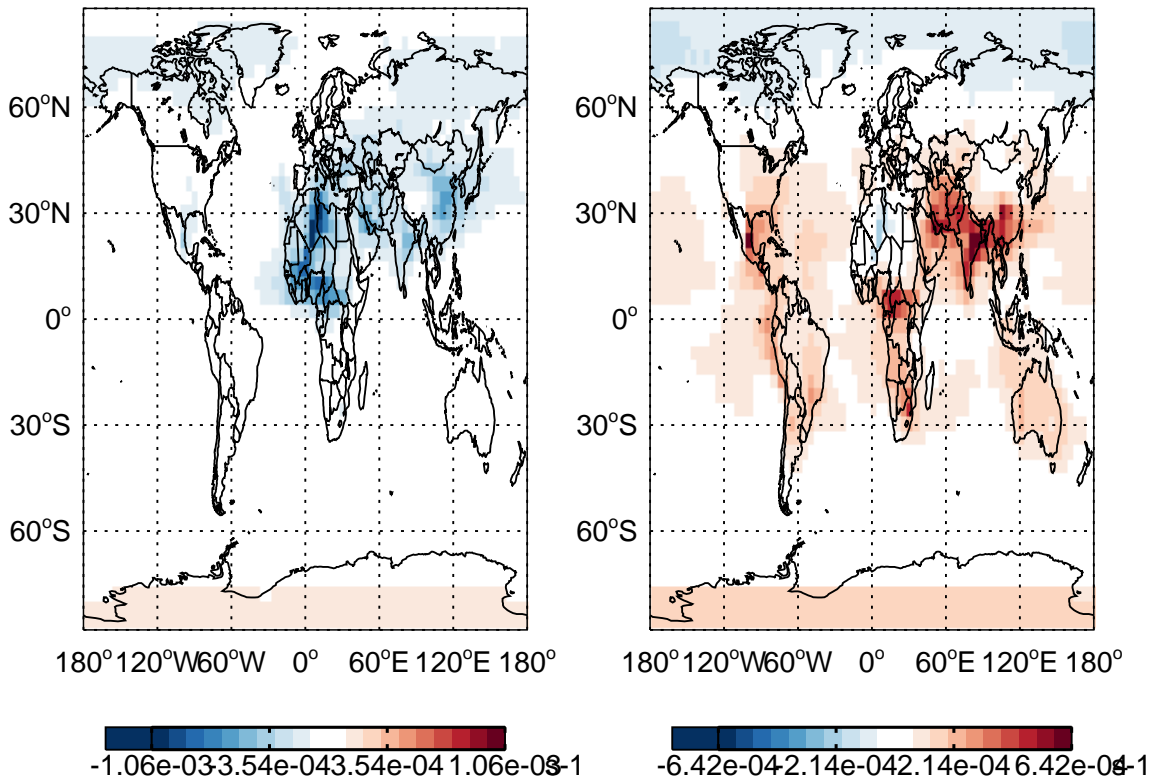
v11-01k-Run0 - v11-01g-Run0

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



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

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



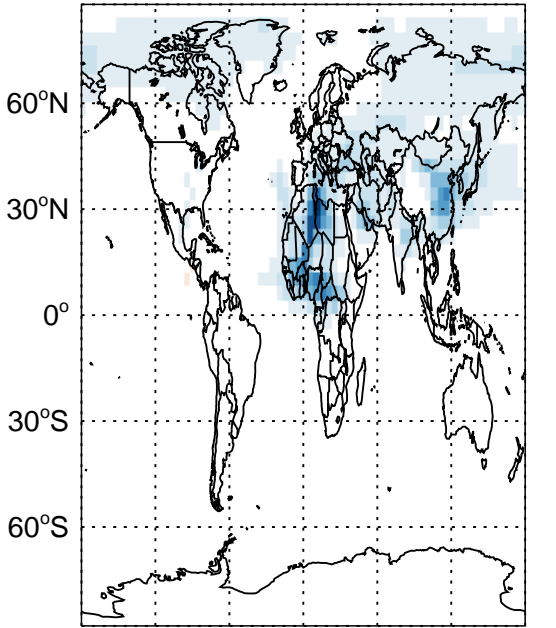
GEOS-Chem J-Values at surface and 500 hPa

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

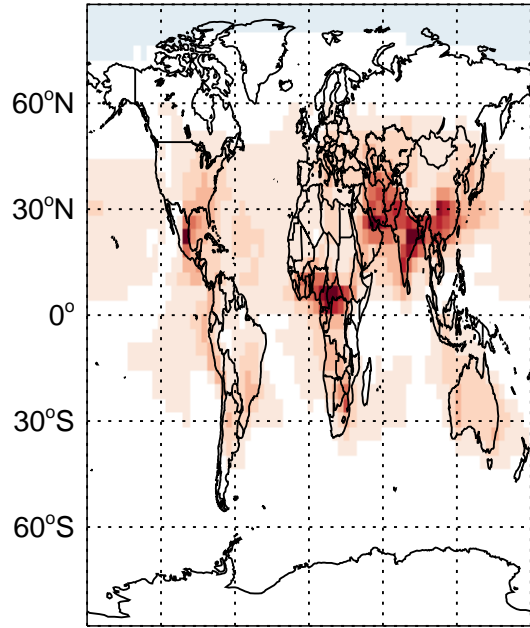
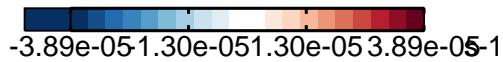
v11-01k-Run0 - v11-01g-Run0

JHOBr - J-Value Diff @ surface for Apr

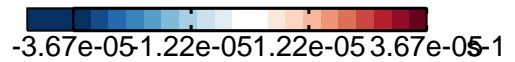
JHOBr - J-Value Diff @ 500 hPa for Apr



180° 120°W 60°W 0° 60°E 120°E 180°



180° 120°W 60°W 0° 60°E 120°E 180°

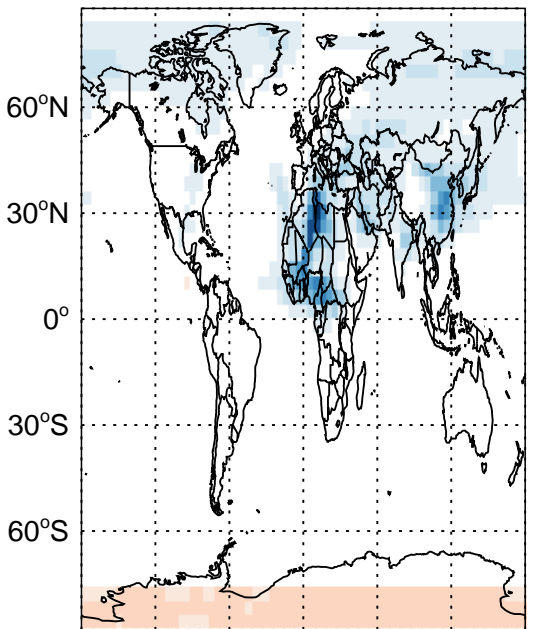


v11-01k-Run0 - v11-01f-geosfp-Run0

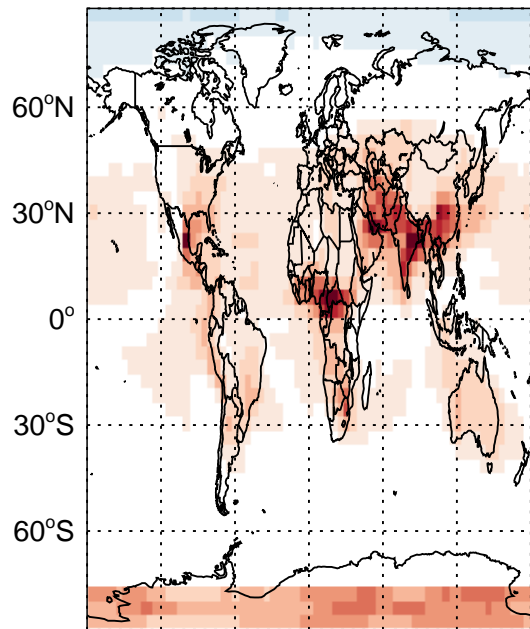
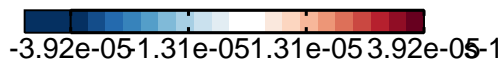
v11-01k-Run0 - v11-01f-geosfp-Run0

JHOBr - J-Value Diff @ surface for Apr

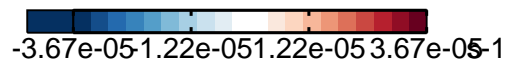
JHOBr - J-Value Diff @ 500 hPa for Apr



180° 120°W 60°W 0° 60°E 120°E 180°



180° 120°W 60°W 0° 60°E 120°E 180°



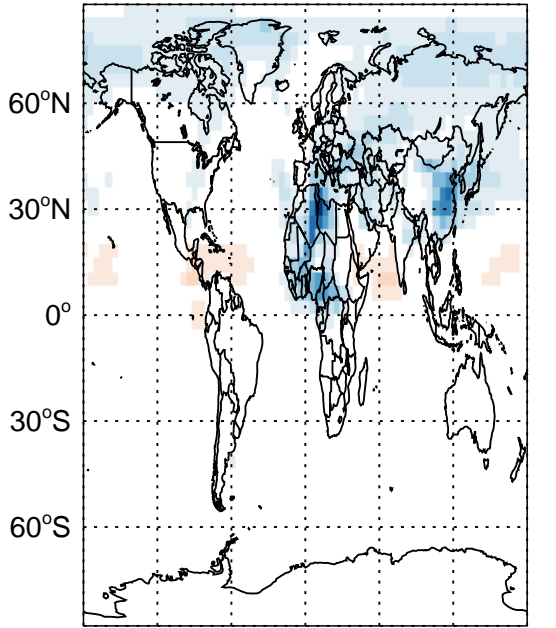
GEOS-Chem J-Values at surface and 500 hPa

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

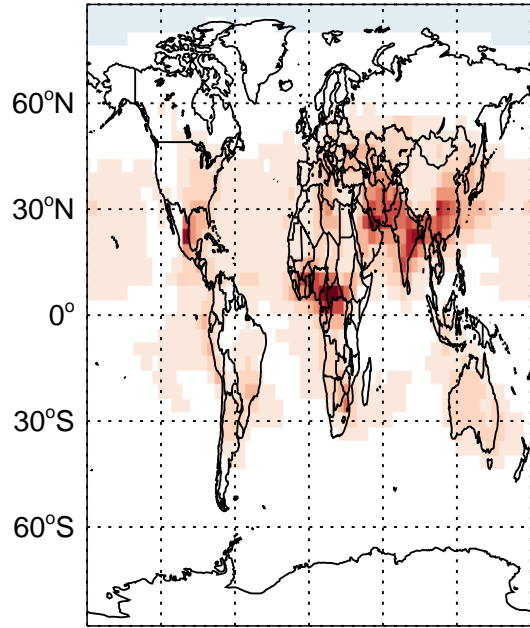
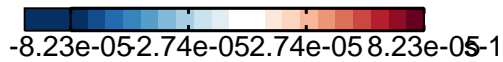
v11-01k-Run0 - v11-01g-Run0

JBrNO2 - J-Value Diff @ surface for Apr

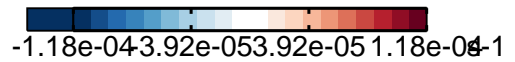
JBrNO2 - J-Value Diff @ 500 hPa for Apr



180° 120°W 60°W 0° 60°E 120°E 180°



180° 120°W 60°W 0° 60°E 120°E 180°

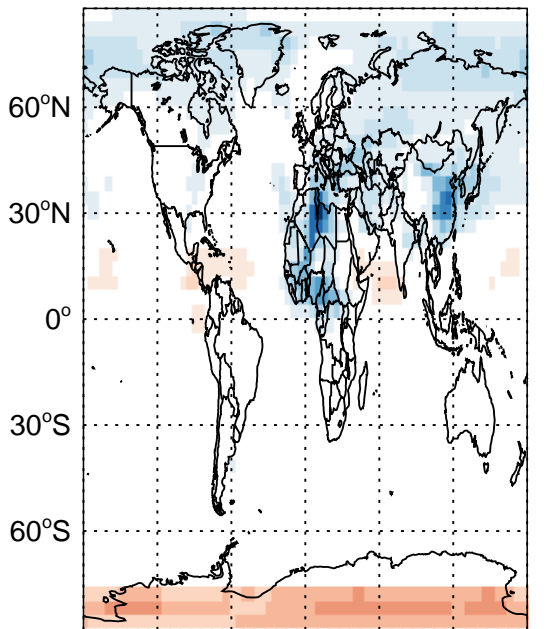


v11-01k-Run0 - v11-01f-geosfp-Run0

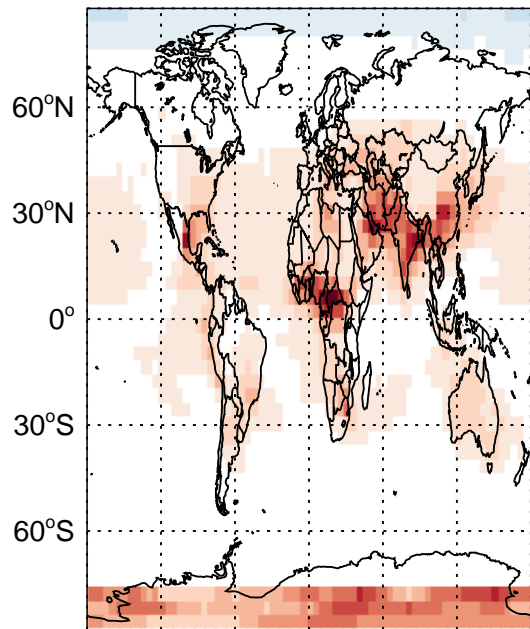
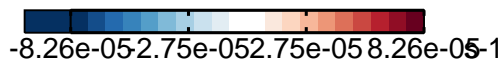
v11-01k-Run0 - v11-01f-geosfp-Run0

JBrNO2 - J-Value Diff @ surface for Apr

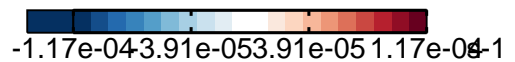
JBrNO2 - J-Value Diff @ 500 hPa for Apr



180° 120°W 60°W 0° 60°E 120°E 180°



180° 120°W 60°W 0° 60°E 120°E 180°



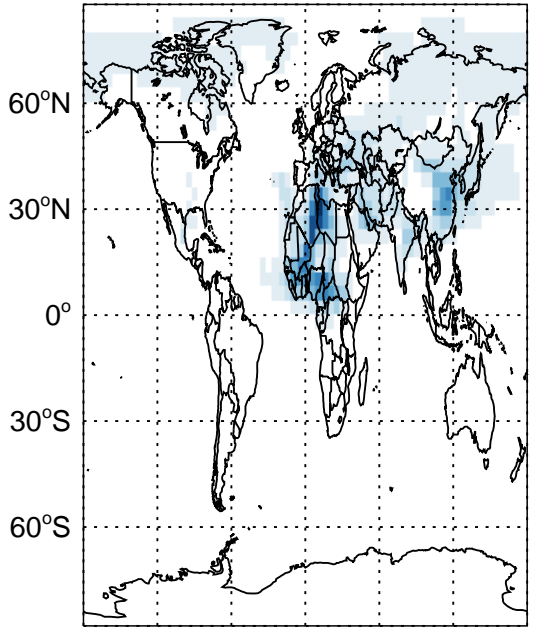
GEOS-Chem J-Values at surface and 500 hPa

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

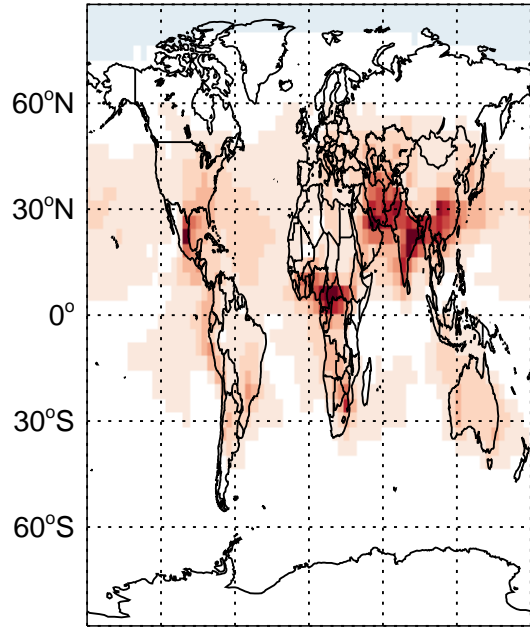
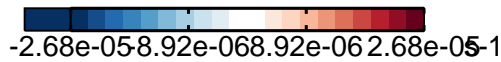
v11-01k-Run0 - v11-01g-Run0

JBrNO3 - J-Value Diff @ surface for Apr

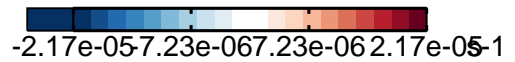
JBrNO3 - J-Value Diff @ 500 hPa for Apr



180° 120°W 60°W 0° 60°E 120°E 180°



180° 120°W 60°W 0° 60°E 120°E 180°

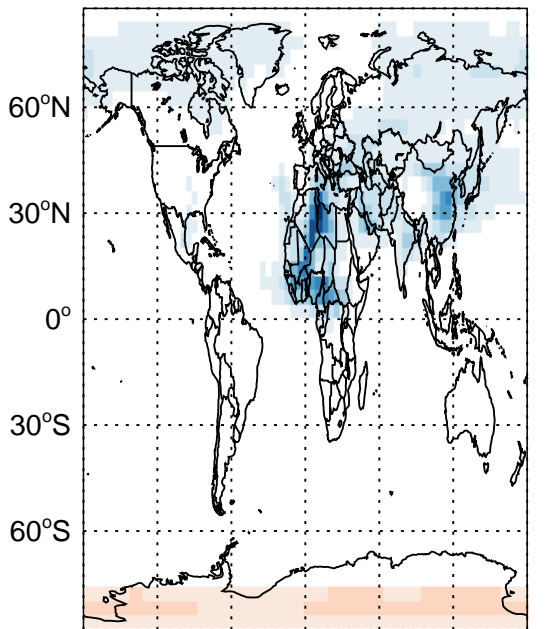


v11-01k-Run0 - v11-01f-geosfp-Run0

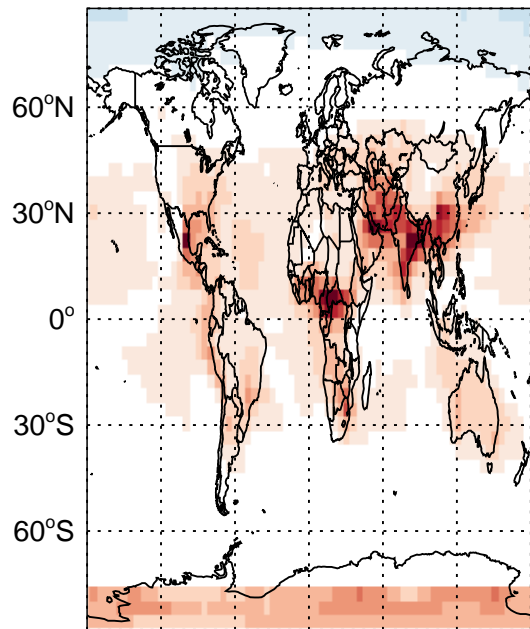
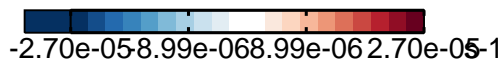
v11-01k-Run0 - v11-01f-geosfp-Run0

JBrNO3 - J-Value Diff @ surface for Apr

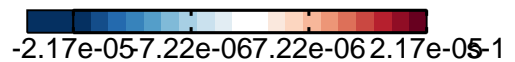
JBrNO3 - J-Value Diff @ 500 hPa for Apr



180° 120°W 60°W 0° 60°E 120°E 180°



180° 120°W 60°W 0° 60°E 120°E 180°



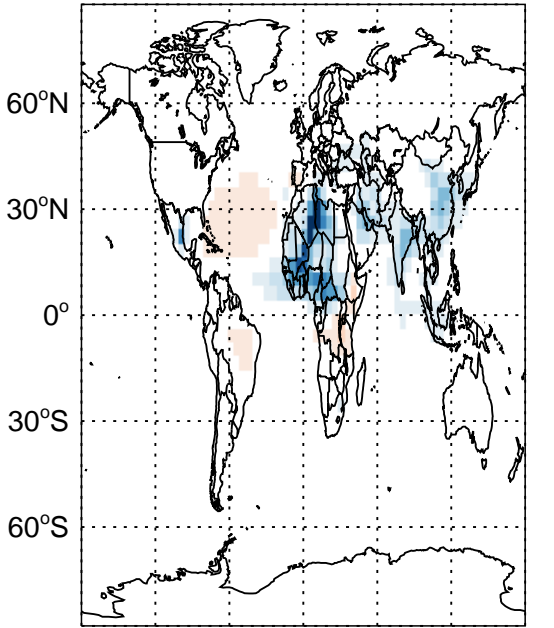
GEOS-Chem J-Values at surface and 500 hPa

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

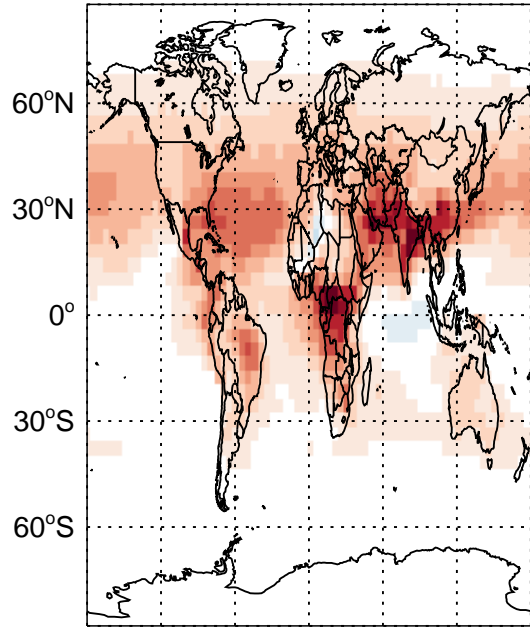
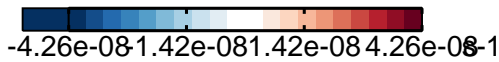
v11-01k-Run0 - v11-01g-Run0

JCHBr3 - J-Value Diff @ surface for Apr

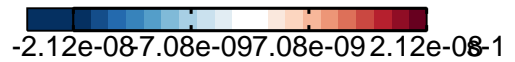
JCHBr3 - J-Value Diff @ 500 hPa for Apr



180° 120°W 60°W 0° 60°E 120°E 180°



180° 120°W 60°W 0° 60°E 120°E 180°

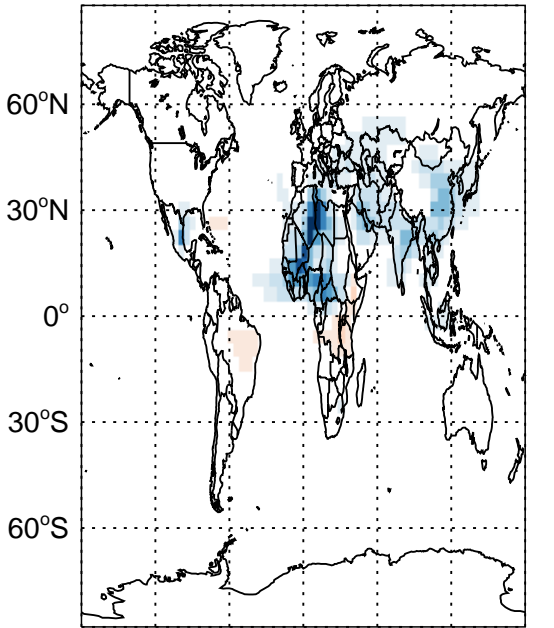


v11-01k-Run0 - v11-01f-geosfp-Run0

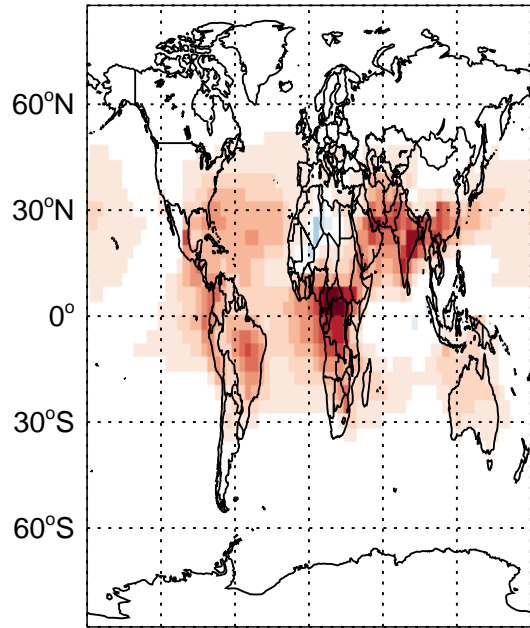
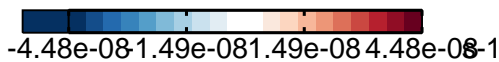
v11-01k-Run0 - v11-01f-geosfp-Run0

JCHBr3 - J-Value Diff @ surface for Apr

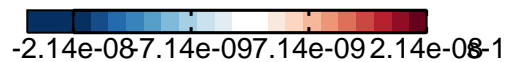
JCHBr3 - J-Value Diff @ 500 hPa for Apr



180° 120°W 60°W 0° 60°E 120°E 180°



180° 120°W 60°W 0° 60°E 120°E 180°



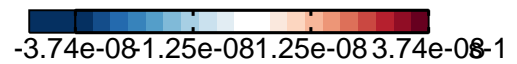
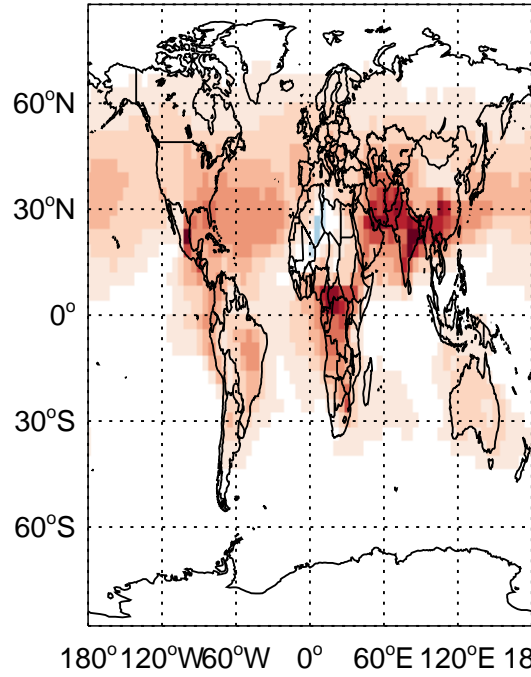
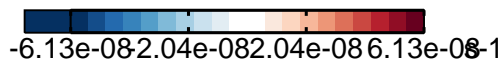
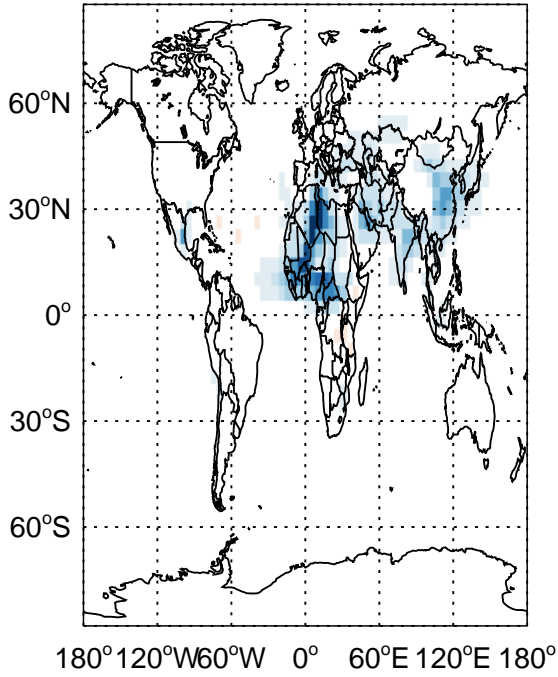
GEOS-Chem J-Values at surface and 500 hPa

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

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

JHAC - J-Value Diff @ surface for Apr

JHAC - J-Value Diff @ 500 hPa for Apr

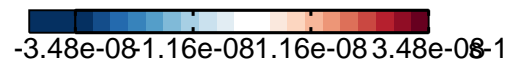
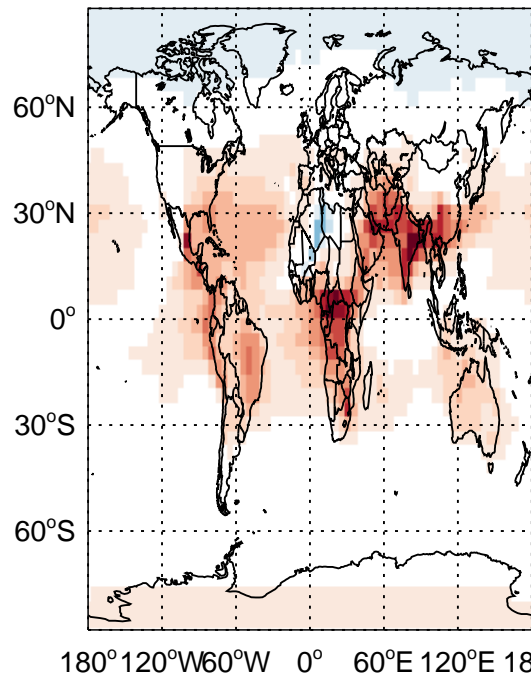
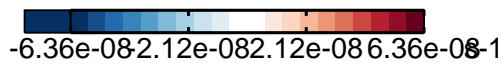
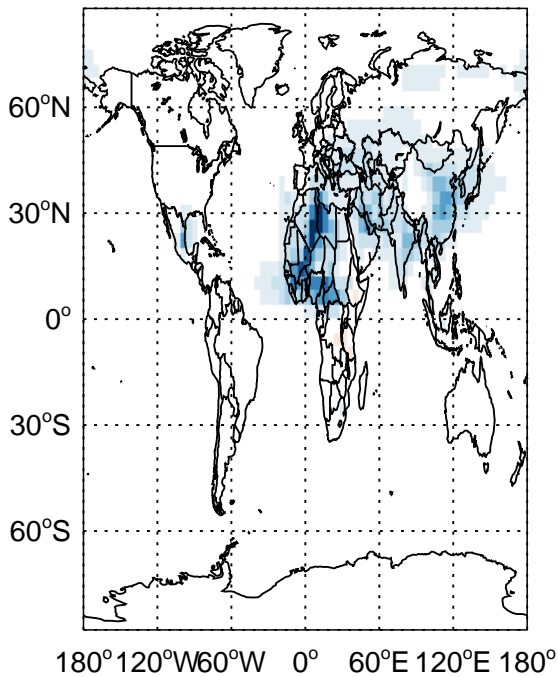


v11-01k-Run0 - v11-01f-geosfp-Run0

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

JHAC - J-Value Diff @ surface for Apr

JHAC - J-Value Diff @ 500 hPa for Apr



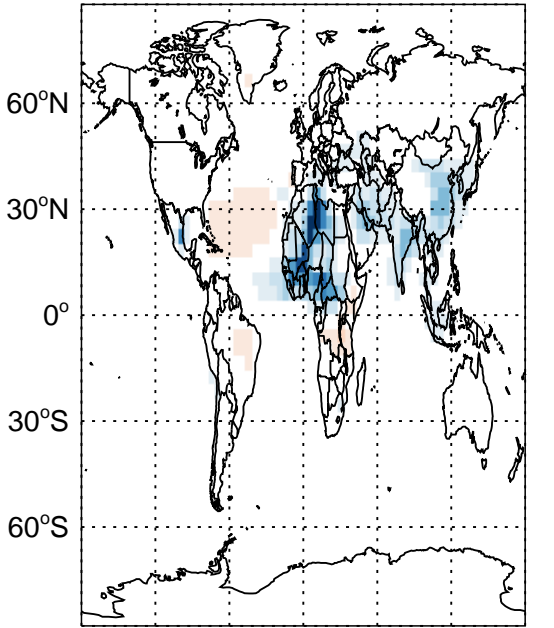
GEOS-Chem J-Values at surface and 500 hPa

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

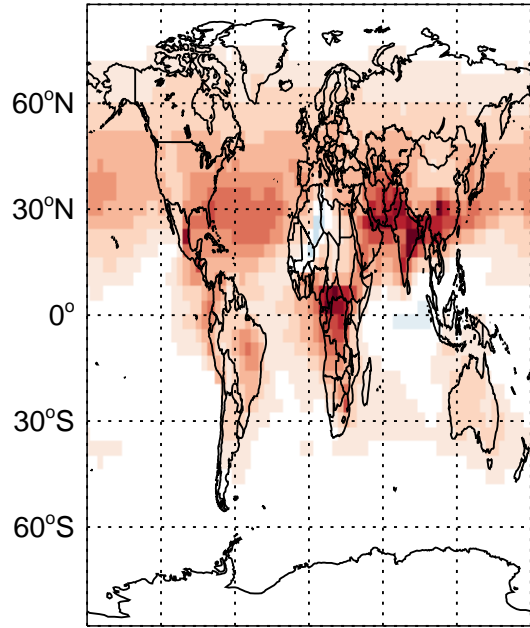
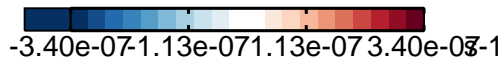
v11-01k-Run0 - v11-01g-Run0

JGLYC - J-Value Diff @ surface for Apr

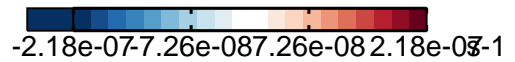
JGLYC - J-Value Diff @ 500 hPa for Apr



180° 120°W 60°W 0° 60°E 120°E 180°



180° 120°W 60°W 0° 60°E 120°E 180°

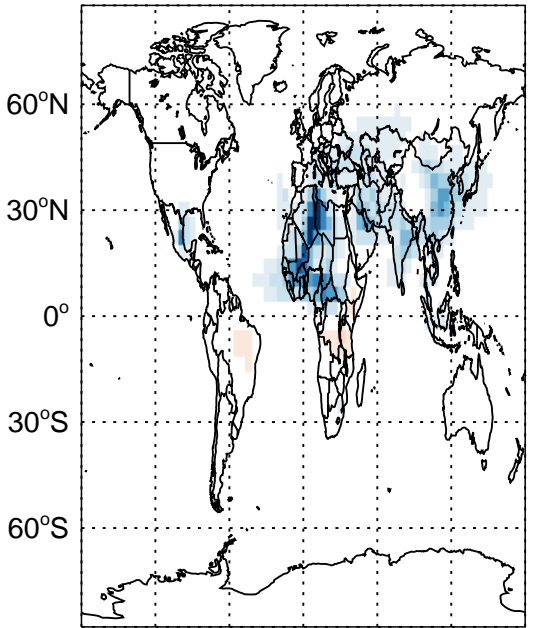


v11-01k-Run0 - v11-01f-geosfp-Run0

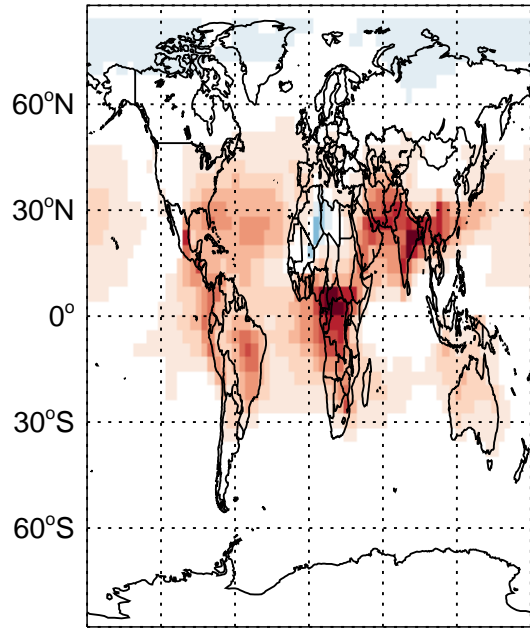
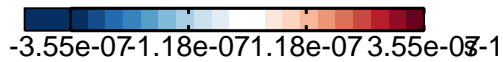
v11-01k-Run0 - v11-01f-geosfp-Run0

JGLYC - J-Value Diff @ surface for Apr

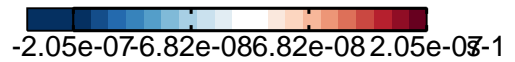
JGLYC - J-Value Diff @ 500 hPa for Apr



180° 120°W 60°W 0° 60°E 120°E 180°



180° 120°W 60°W 0° 60°E 120°E 180°

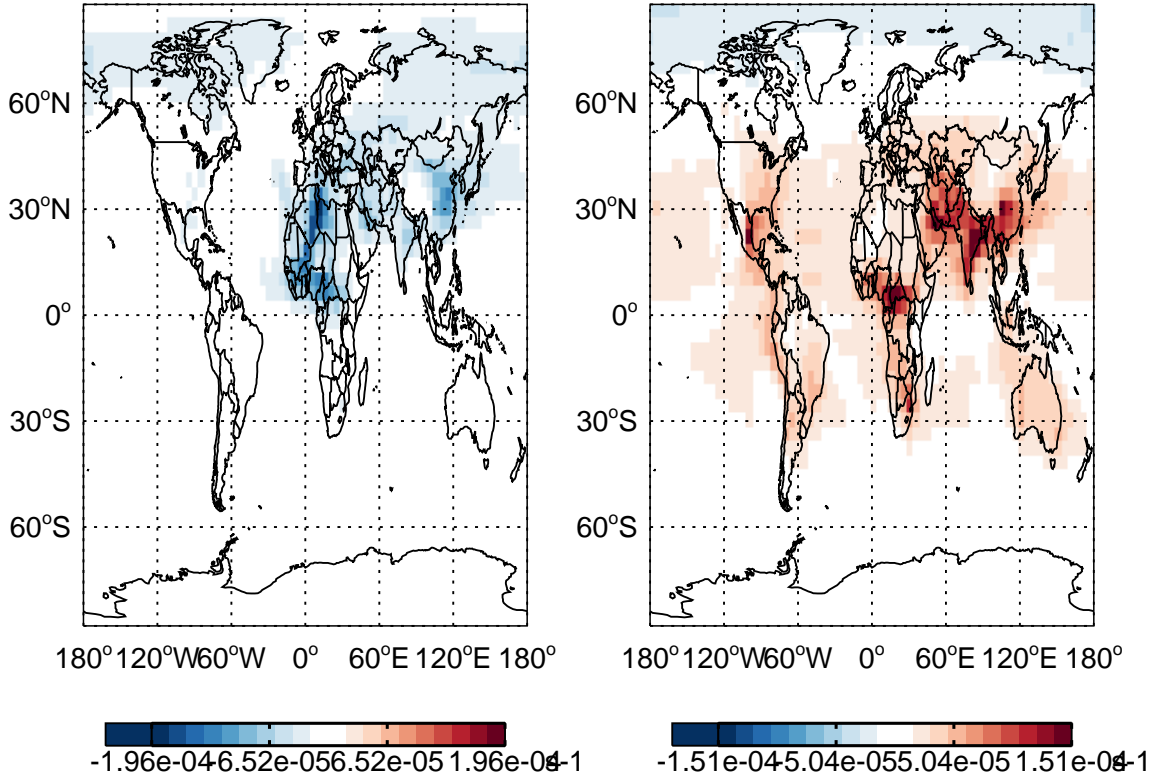


GEOS-Chem J-Values at surface and 500 hPa

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

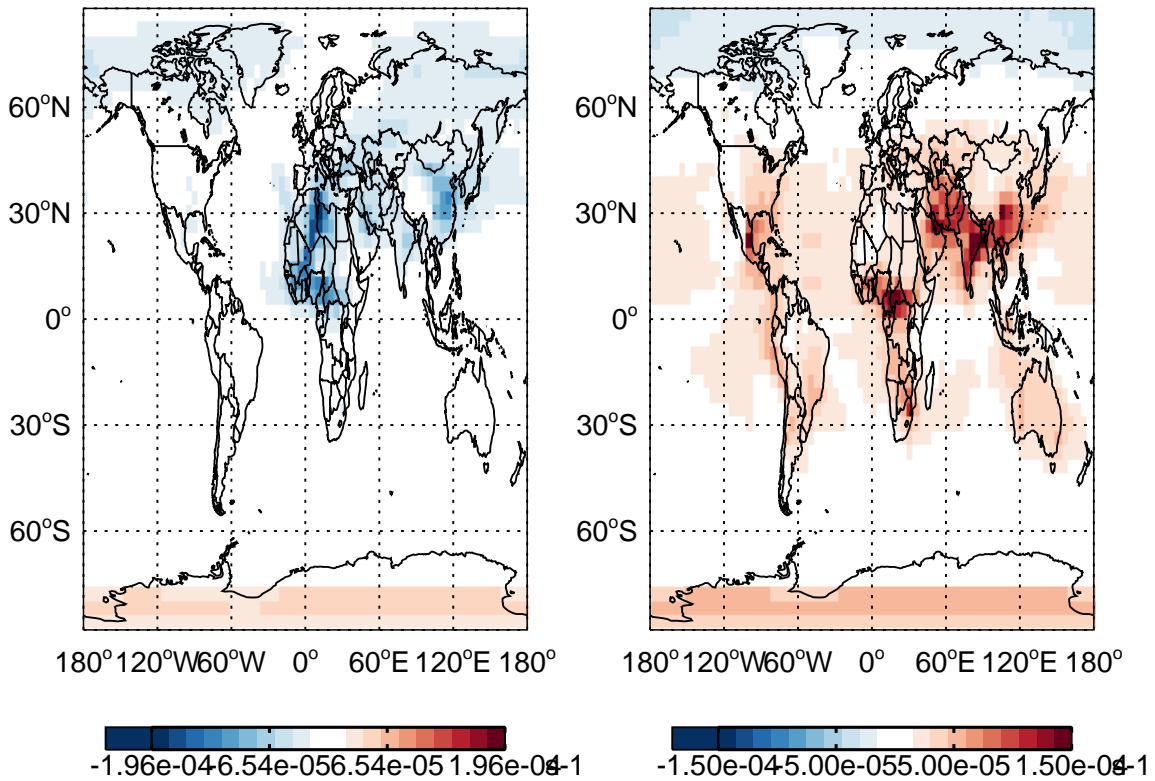
v11-01k-Run0 - v11-01g-Run0

JNO2 - J-Value Diff @ surface for Apr / JNO2 - J-Value Diff @ 500 hPa for Apr



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

JNO2 - J-Value Diff @ surface for Apr / JNO2 - J-Value Diff @ 500 hPa for Apr

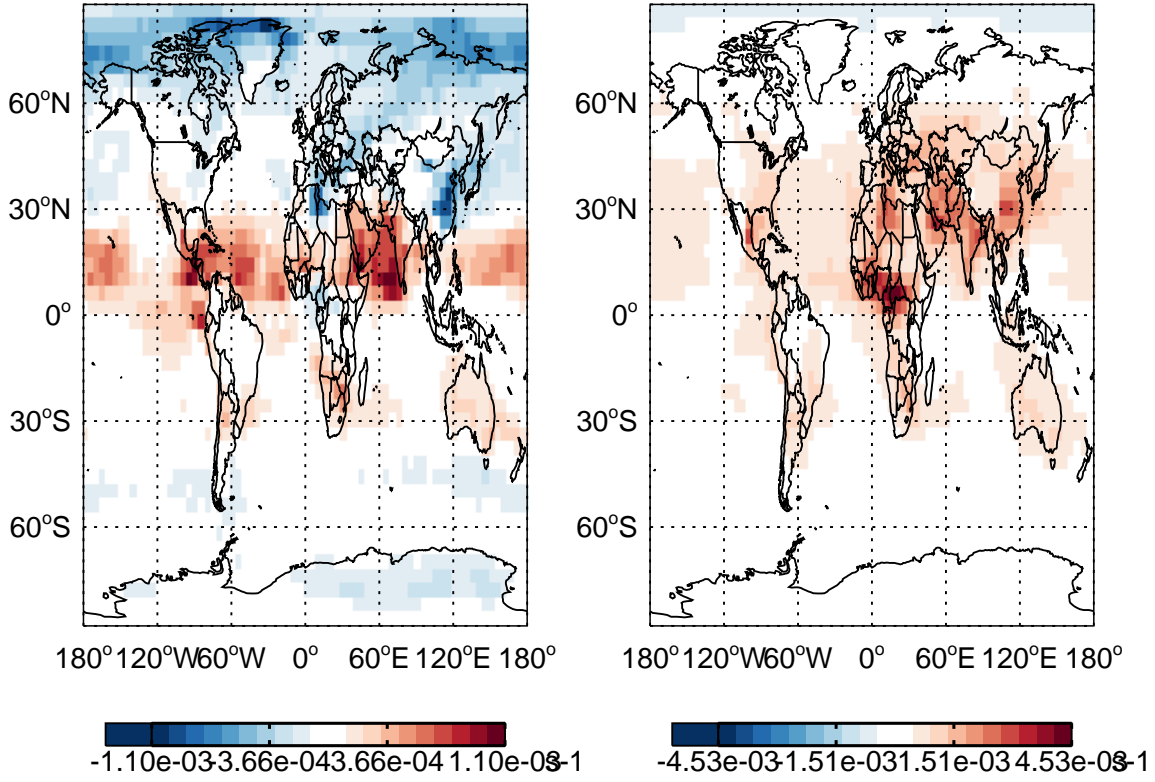


GEOS-Chem J-Values at surface and 500 hPa

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

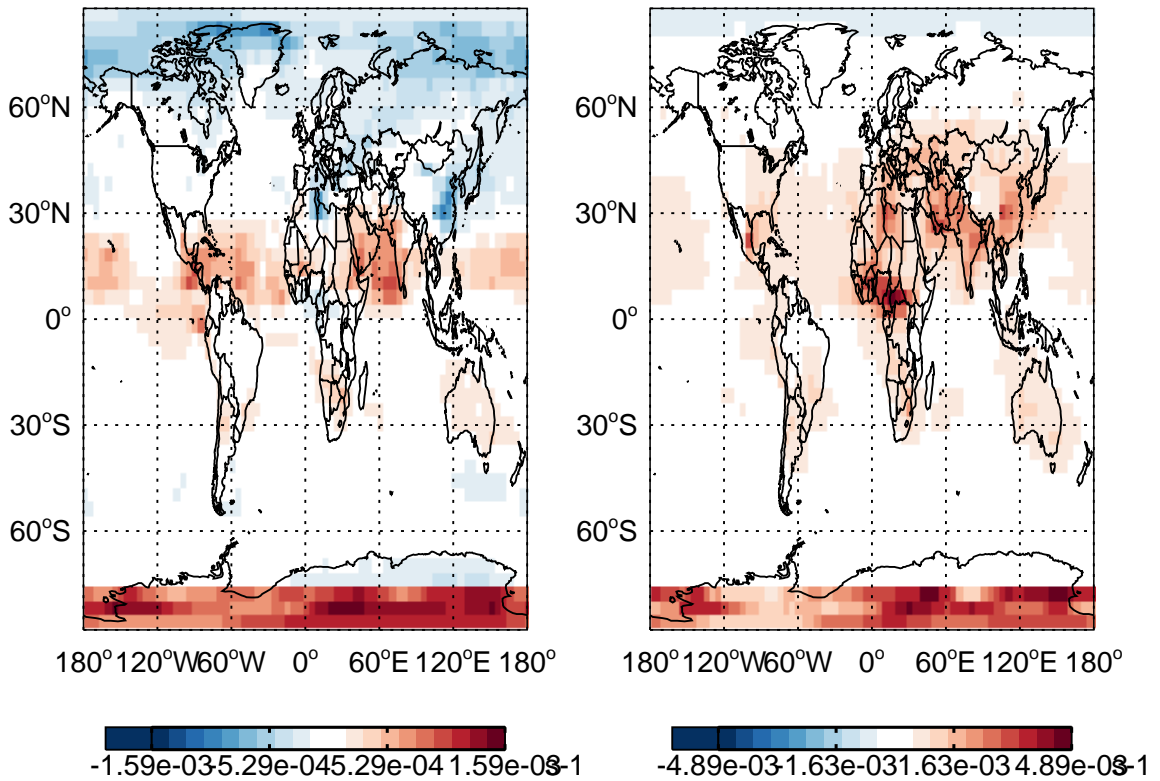
v11-01k-Run0 - v11-01g-Run0

JNO3 - J-Value Diff @ surface for Apr / JNO3 - J-Value Diff @ 500 hPa for Apr



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

JNO3 - J-Value Diff @ surface for Apr / JNO3 - J-Value Diff @ 500 hPa for Apr

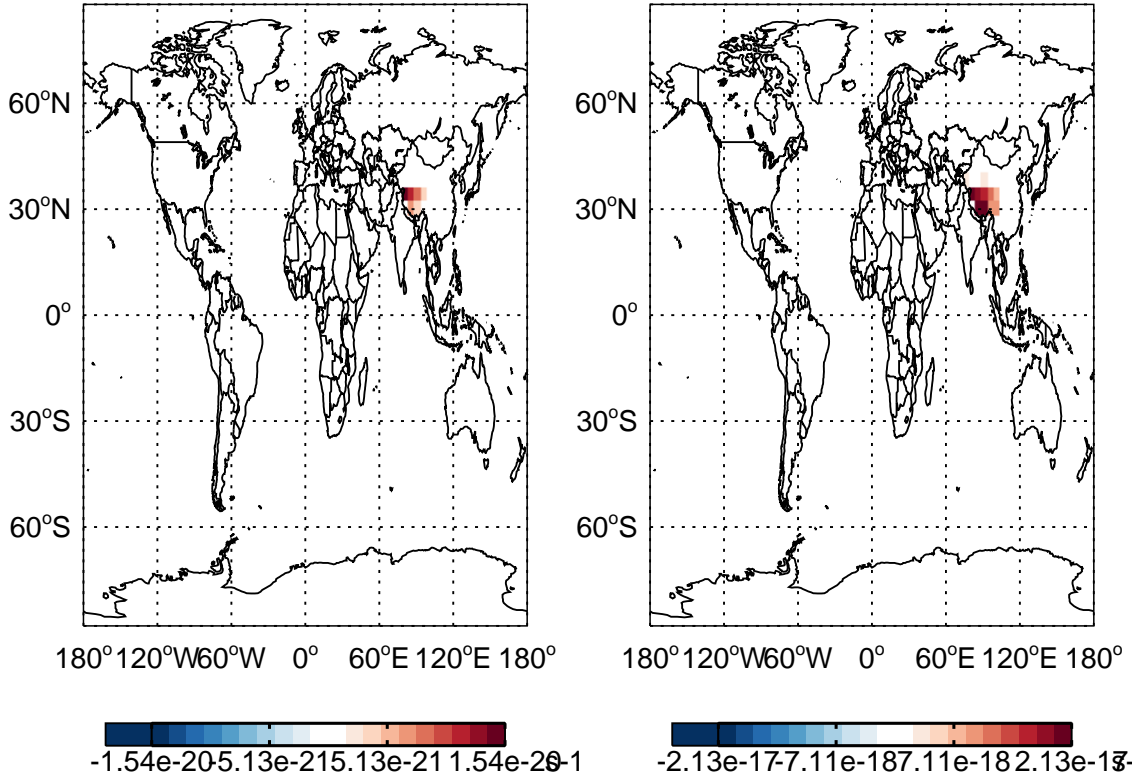


GEOS-Chem J-Values at surface and 500 hPa

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

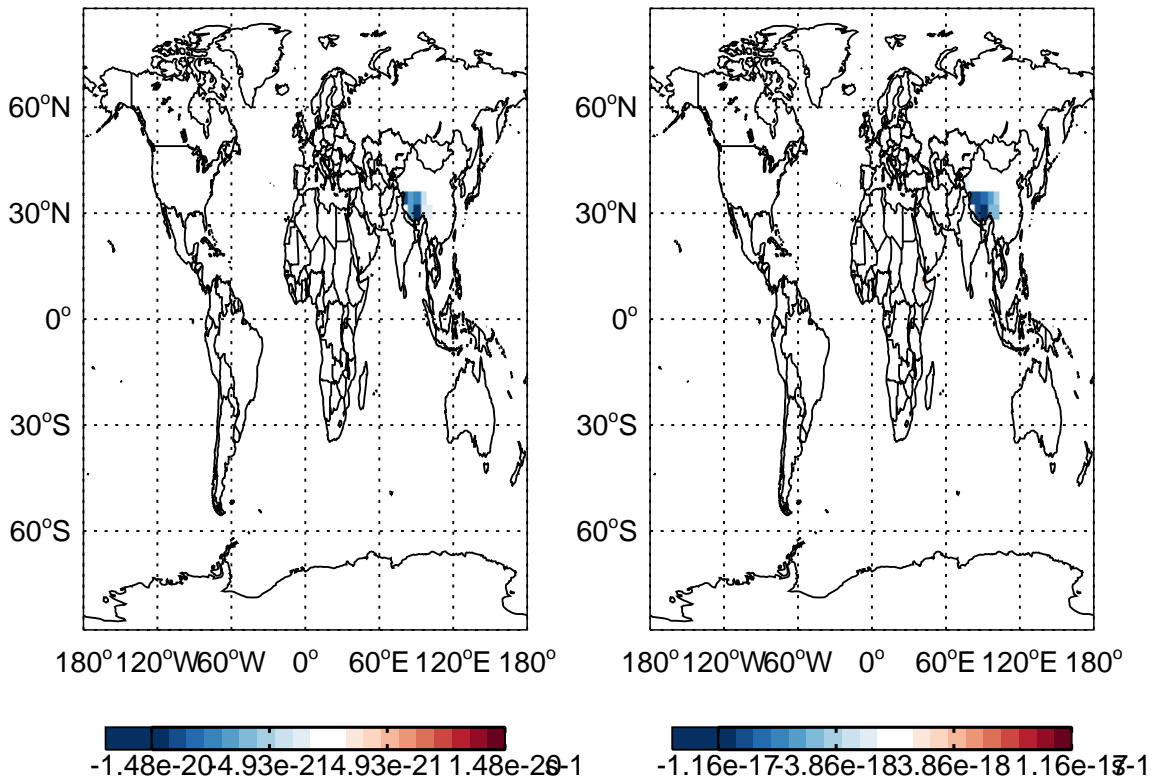
v11-01k-Run0 - v11-01g-Run0

JN₂O - J-Value Diff @ surface for Apr | JN₂O - J-Value Diff @ 500 hPa for Apr



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

JN₂O - J-Value Diff @ surface for Apr | JN₂O - J-Value Diff @ 500 hPa for Apr



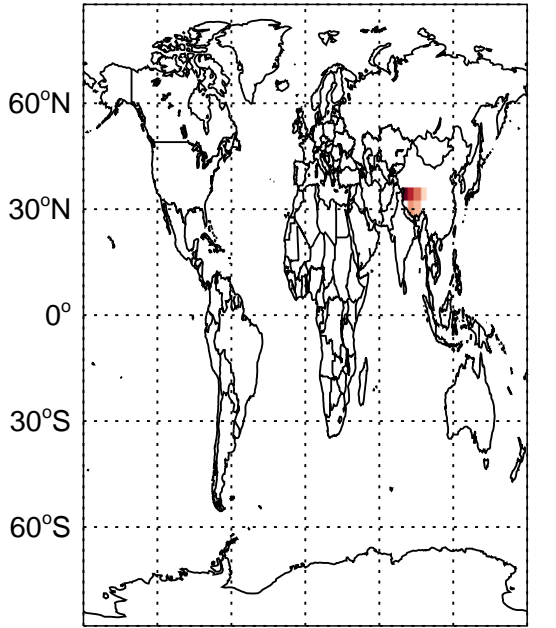
GEOS-Chem J-Values at surface and 500 hPa

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

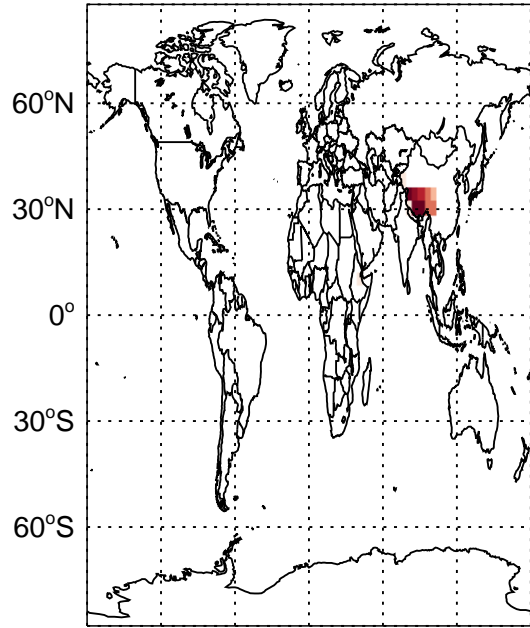
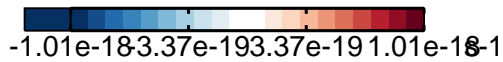
v11-01k-Run0 - v11-01g-Run0

JCCI4 - J-Value Diff @ surface for Apr

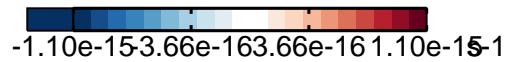
JCCI4 - J-Value Diff @ 500 hPa for Apr



180° 120°W 60°W 0° 60°E 120°E 180°



180° 120°W 60°W 0° 60°E 120°E 180°

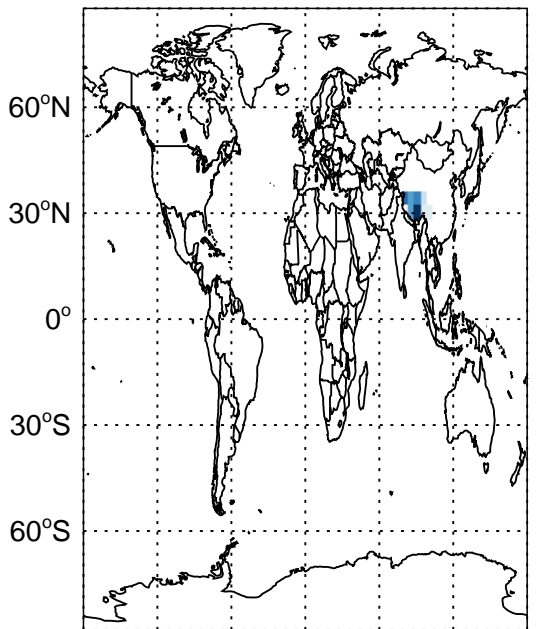


v11-01k-Run0 - v11-01f-geosfp-Run0

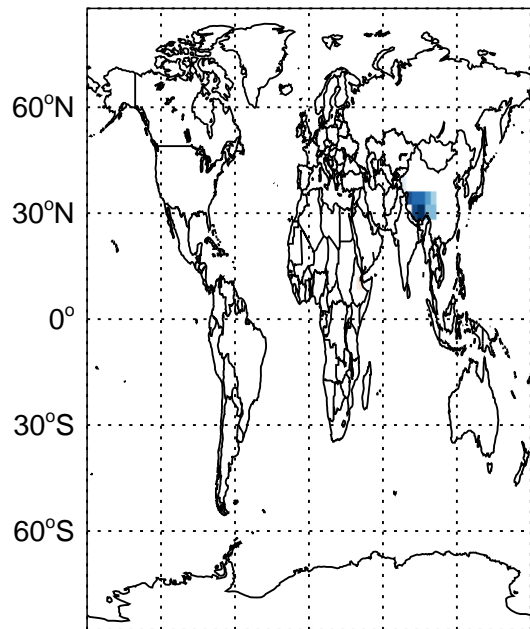
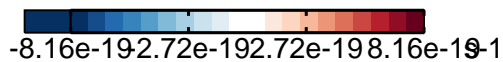
v11-01k-Run0 - v11-01f-geosfp-Run0

JCCI4 - J-Value Diff @ surface for Apr

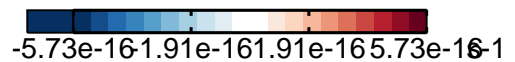
JCCI4 - J-Value Diff @ 500 hPa for Apr



180° 120°W 60°W 0° 60°E 120°E 180°



180° 120°W 60°W 0° 60°E 120°E 180°



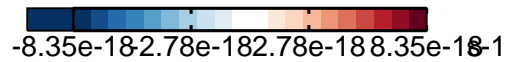
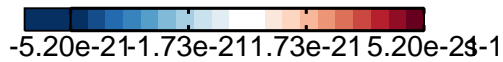
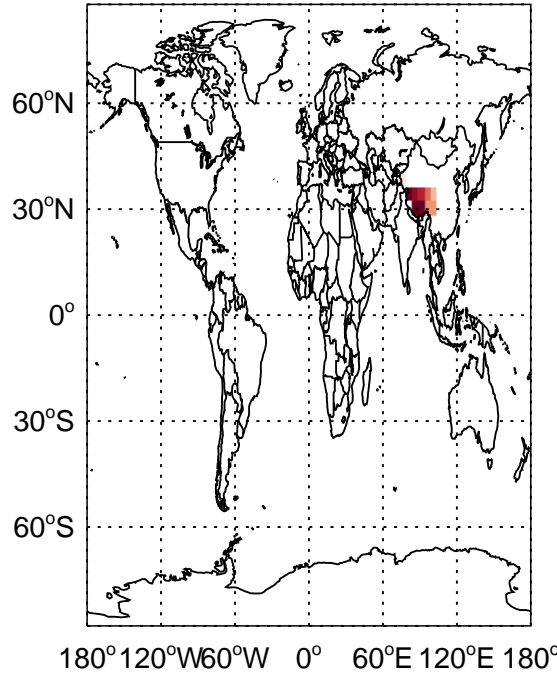
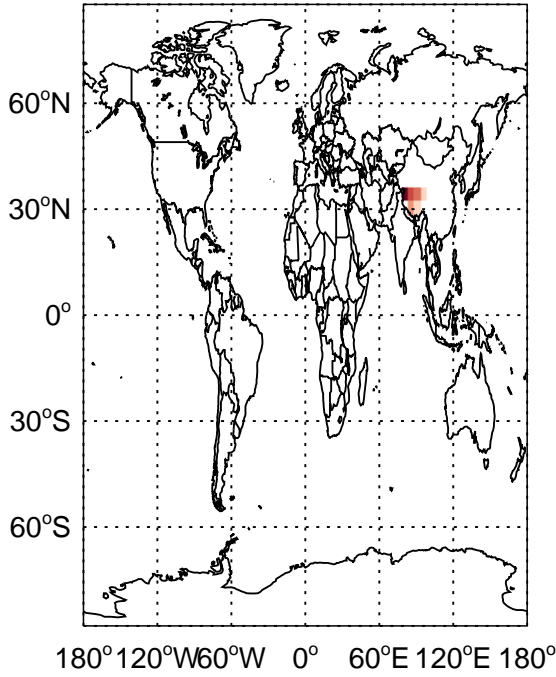
GEOS-Chem J-Values at surface and 500 hPa

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

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

JCH3Cl - J-Value Diff @ surface for Apr

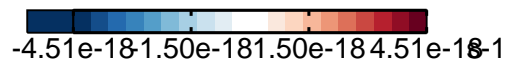
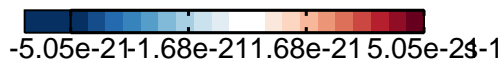
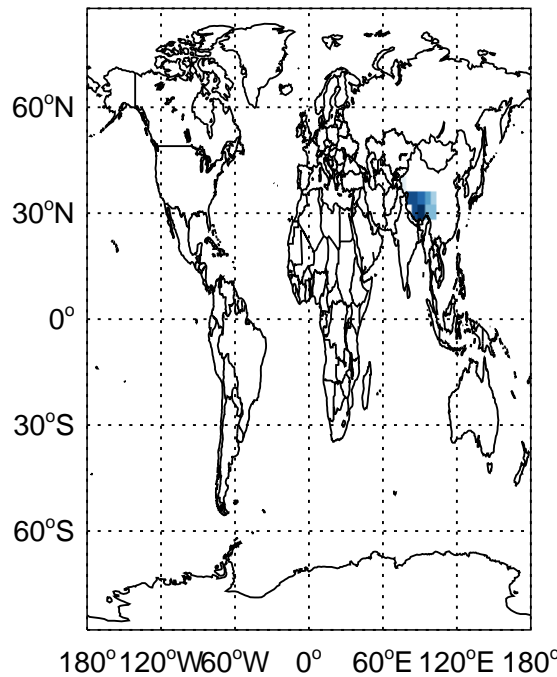
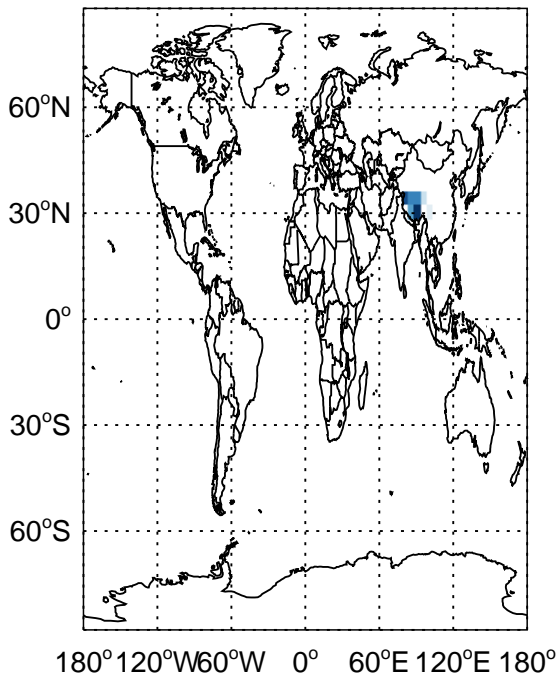
JpH3Cl - J-Value Diff @ 500 hPa for Apr



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

JCH3Cl - J-Value Diff @ surface for Apr

JpH3Cl - J-Value Diff @ 500 hPa for Apr



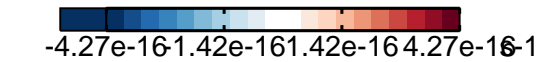
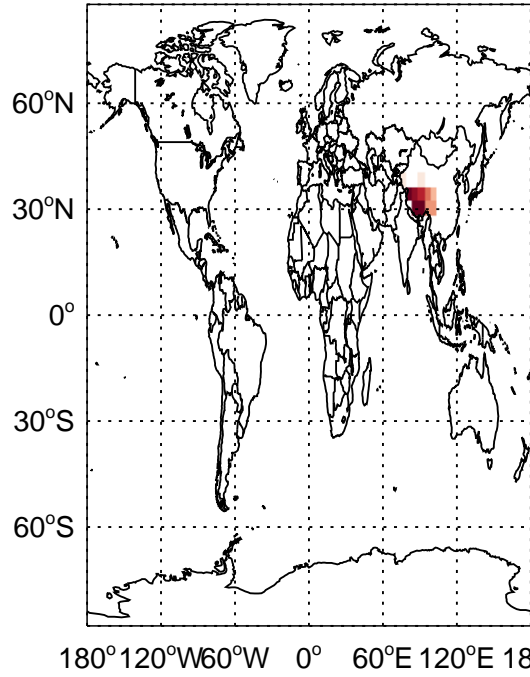
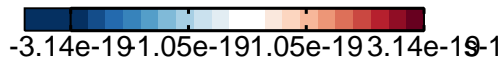
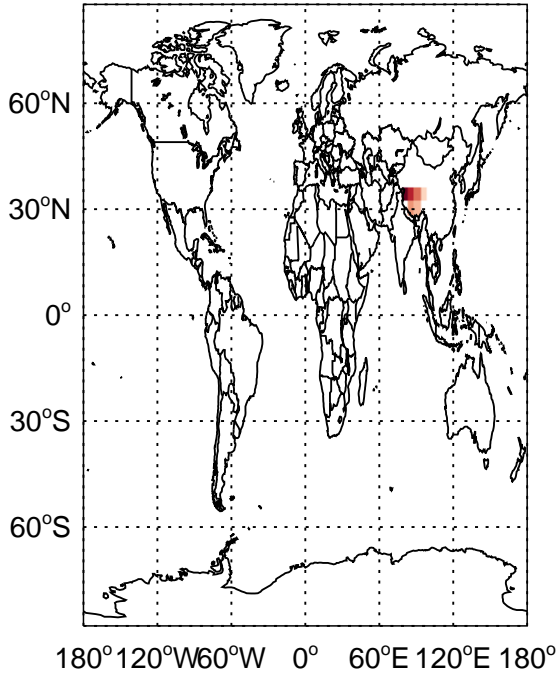
GEOS-Chem J-Values at surface and 500 hPa

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

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

JCFC11 - J-Value Diff @ surface for Apr

JCFC11 - J-Value Diff @ 500 hPa for Apr

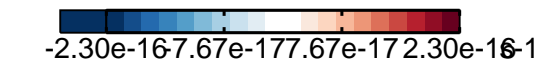
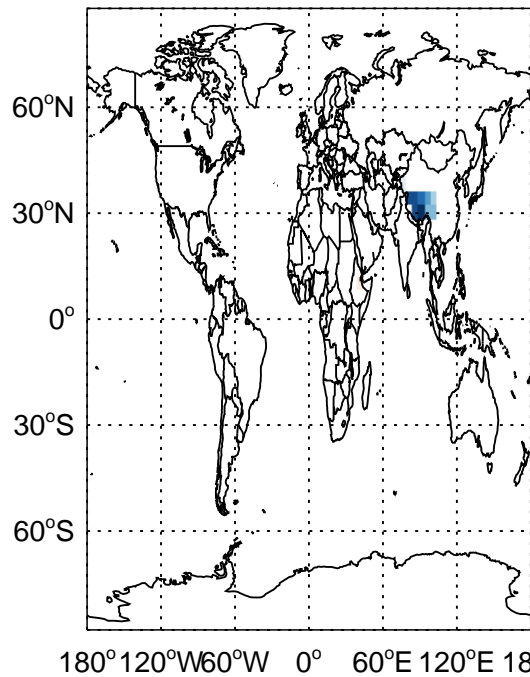
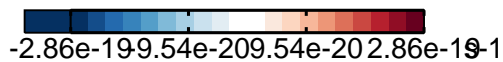
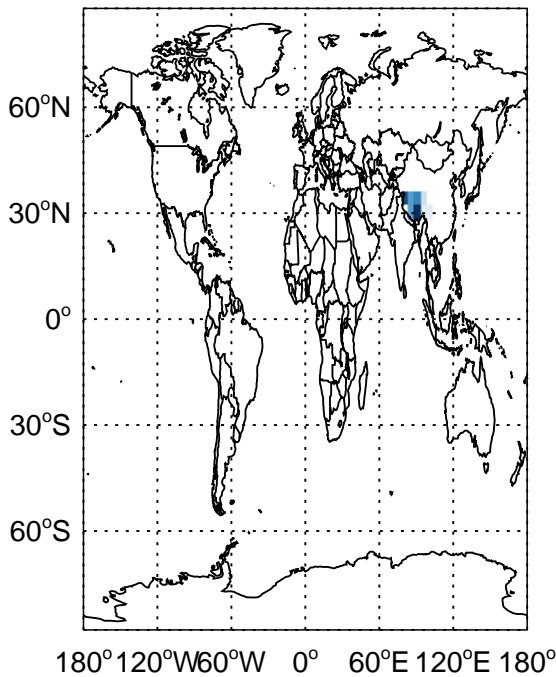


v11-01k-Run0 - v11-01f-geosfp-Run0

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

JCFC11 - J-Value Diff @ surface for Apr

JCFC11 - J-Value Diff @ 500 hPa for Apr



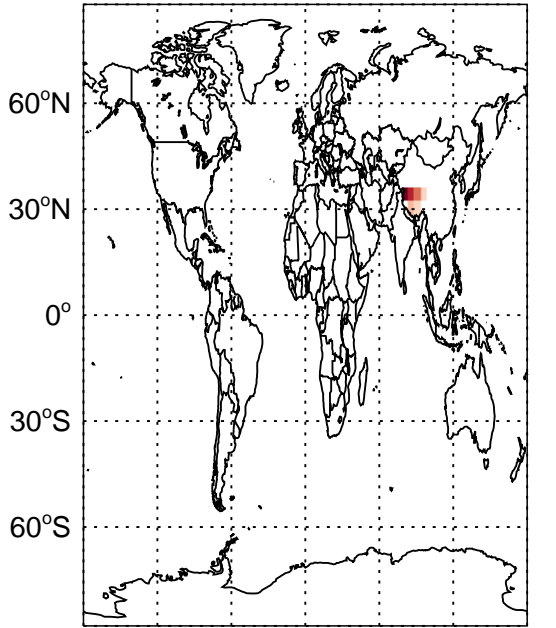
GEOS-Chem J-Values at surface and 500 hPa

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

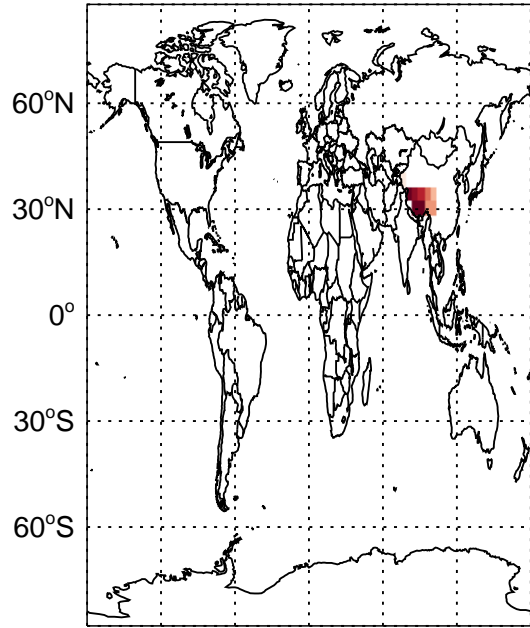
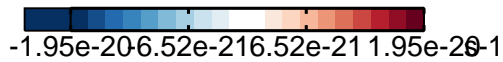
v11-01k-Run0 - v11-01g-Run0

JCFC12 - J-Value Diff @ surface for Apr

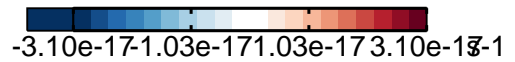
JCFC12 - J-Value Diff @ 500 hPa for Apr



180° 120°W 60°W 0° 60°E 120°E 180°



180° 120°W 60°W 0° 60°E 120°E 180°

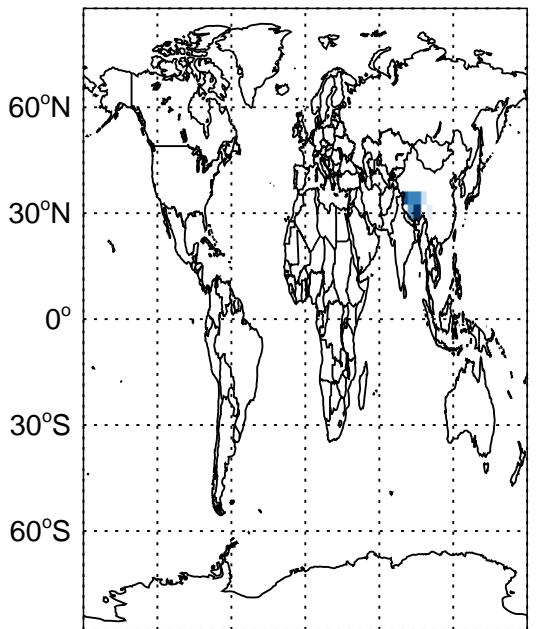


v11-01k-Run0 - v11-01f-geosfp-Run0

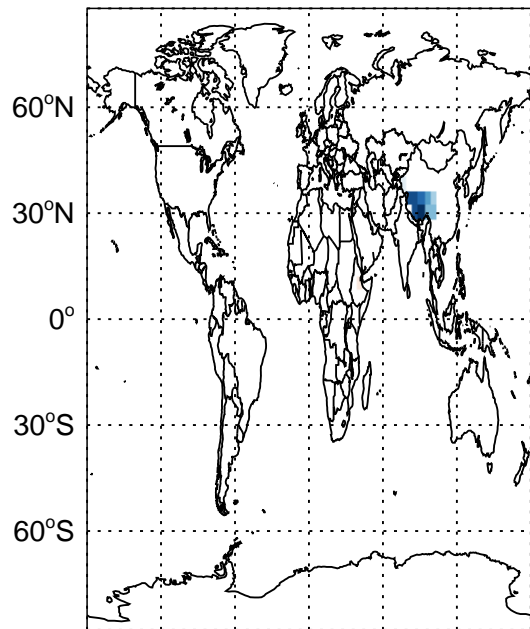
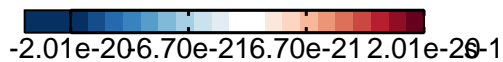
v11-01k-Run0 - v11-01f-geosfp-Run0

JCFC12 - J-Value Diff @ surface for Apr

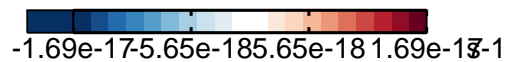
JCFC12 - J-Value Diff @ 500 hPa for Apr



180° 120°W 60°W 0° 60°E 120°E 180°



180° 120°W 60°W 0° 60°E 120°E 180°

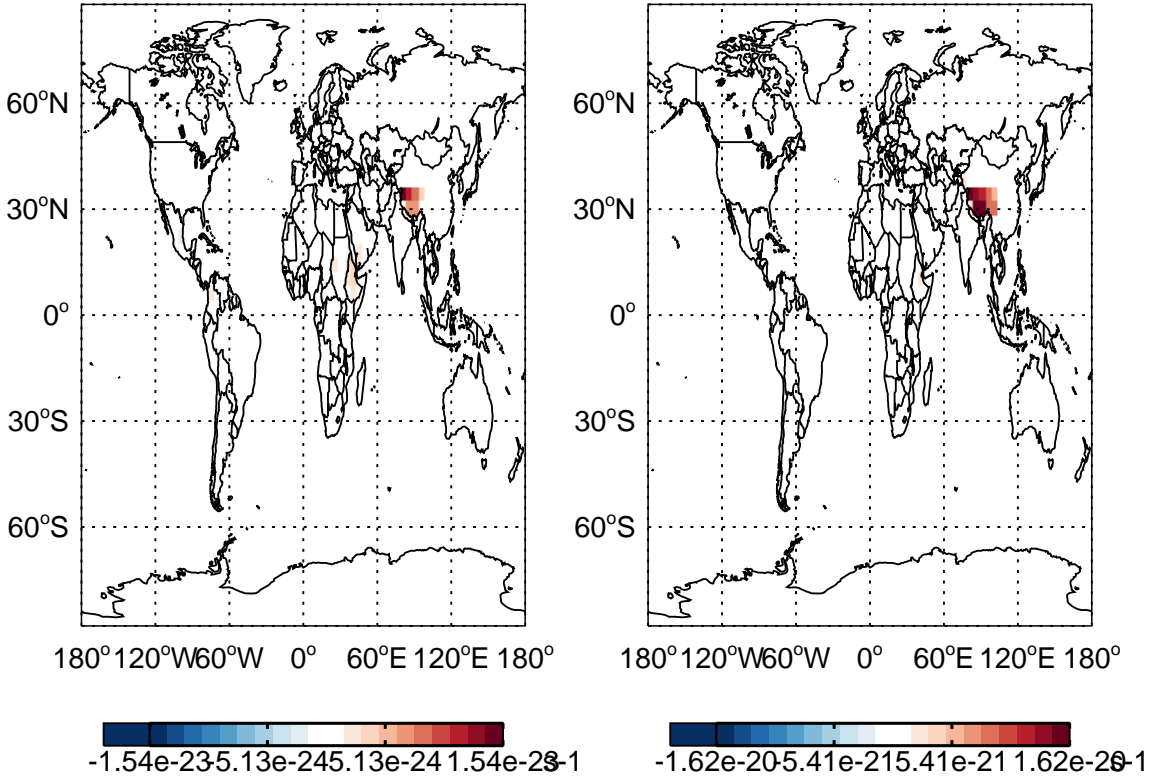


GEOS-Chem J-Values at surface and 500 hPa

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

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

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



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

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

