

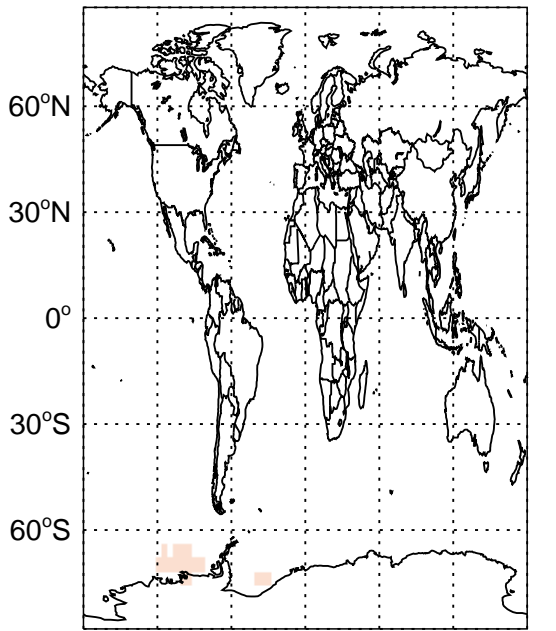
GEOS-Chem J-Values at surface and 500 hPa

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

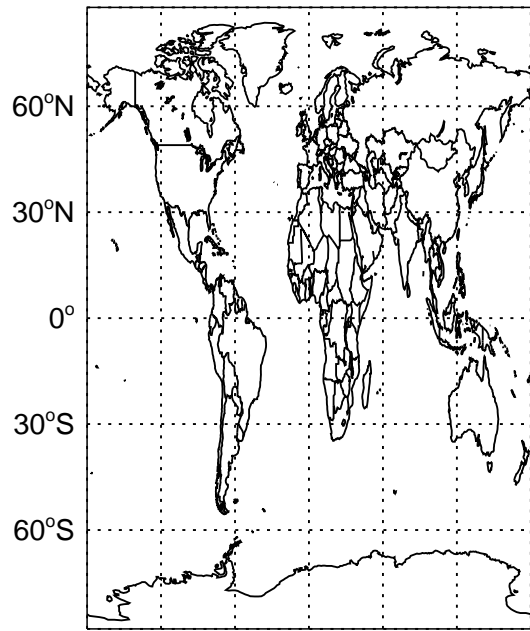
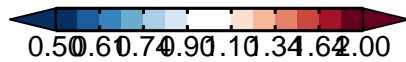
v11-01k-Run0 - v11-01g-Run0

JNO - J-Value Ratio @ surface for Oct

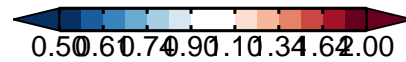
JNO - J-Value Ratio @ 500 hPa for Oct



180° 120°W 60°W 0° 60°E 120°E 180°



180° 120°W 60°W 0° 60°E 120°E 180°

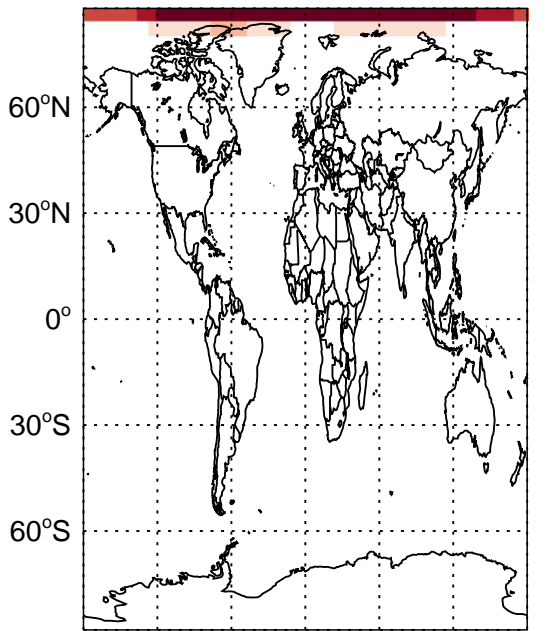


v11-01k-Run0 - v11-01f-geosfp-Run0

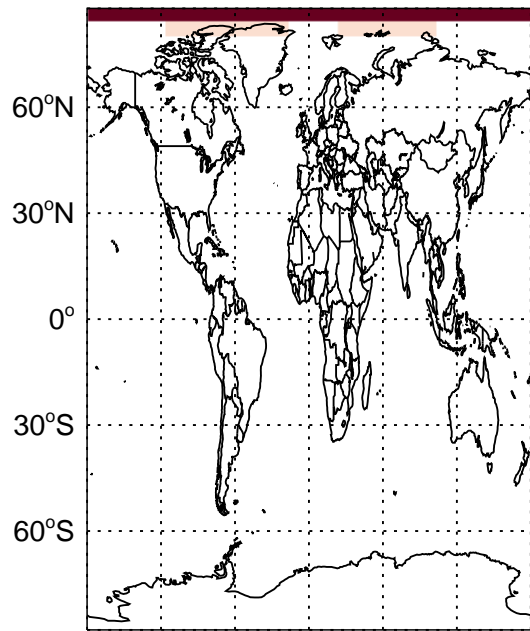
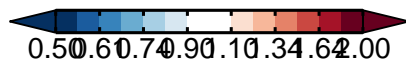
v11-01k-Run0 - v11-01f-geosfp-Run0

JNO - J-Value Ratio @ surface for Oct

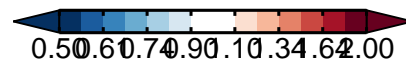
JNO - J-Value Ratio @ 500 hPa for Oct



180° 120°W 60°W 0° 60°E 120°E 180°



180° 120°W 60°W 0° 60°E 120°E 180°



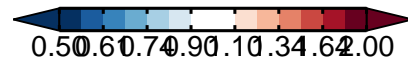
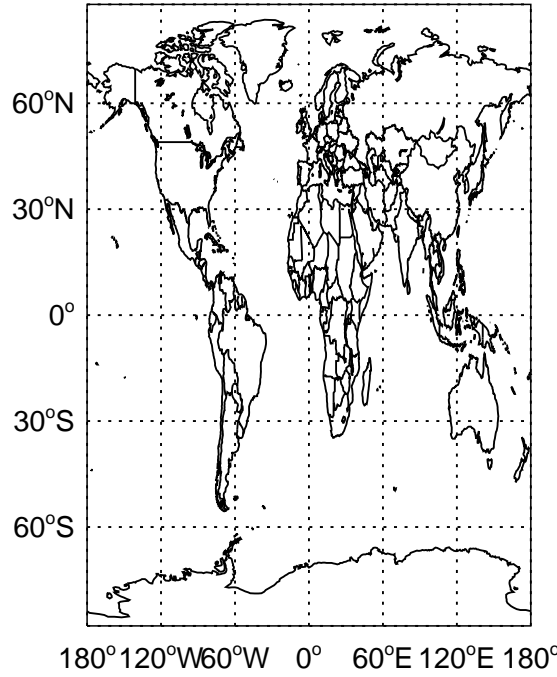
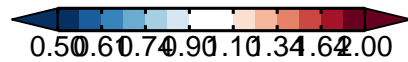
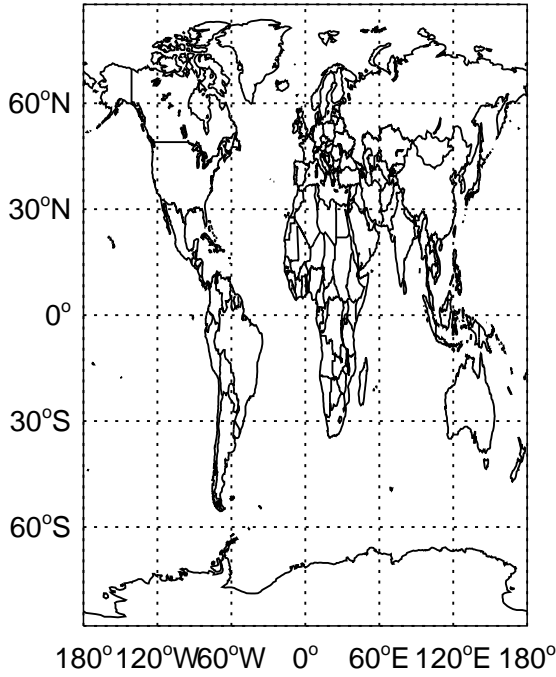
GEOS-Chem J-Values at surface and 500 hPa

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

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

JO3_O1D - J-Value Ratio @ surface

JO3_O1D - J-Value Ratio @ 500 hPa for Oct

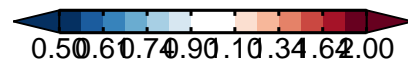
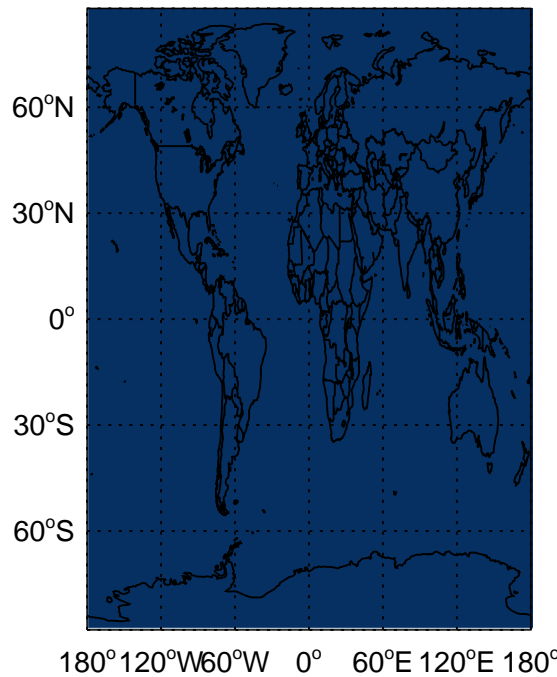
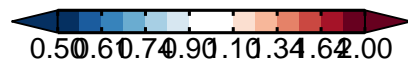
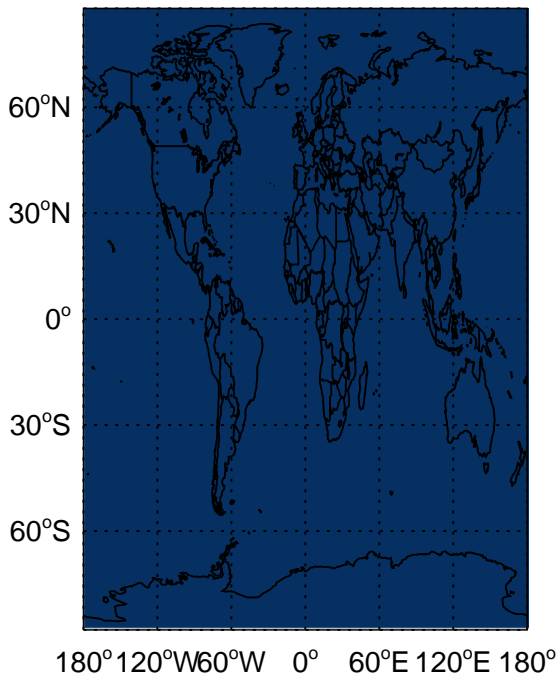


v11-01k-Run0 - v11-01f-geosfp-Run0

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

JO3_O1D - J-Value Ratio @ surface

JO3_O1D - J-Value Ratio @ 500 hPa for Oct



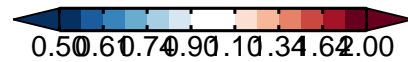
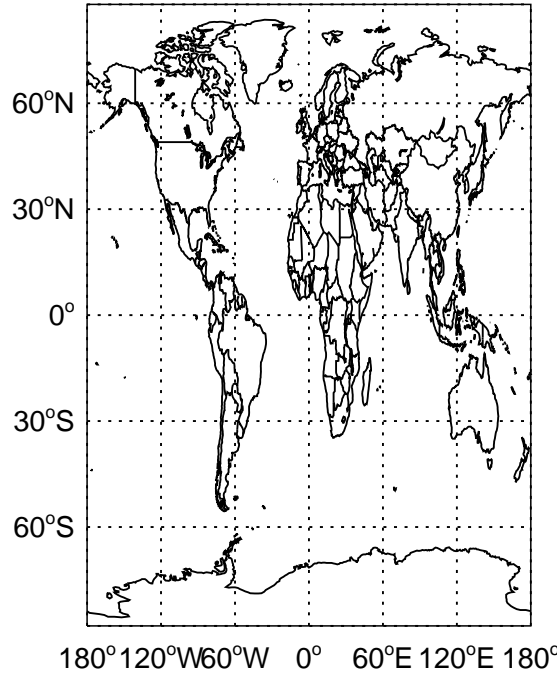
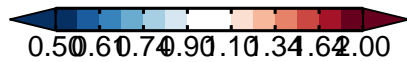
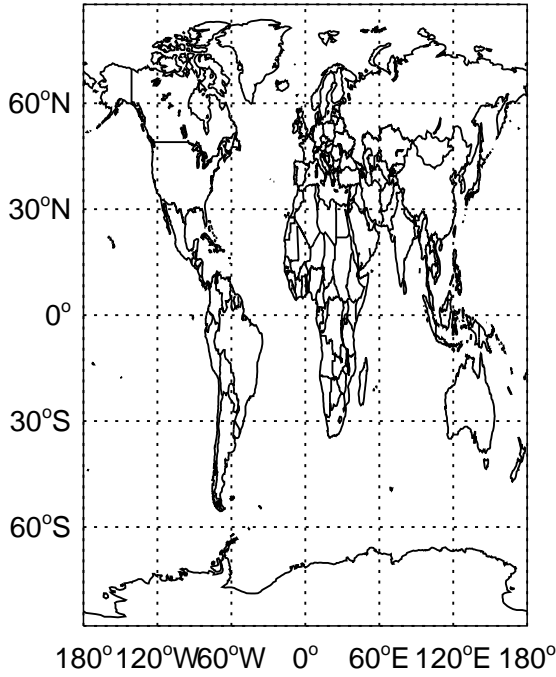
GEOS-Chem J-Values at surface and 500 hPa

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

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

JO3_O3P - J-Value Ratio @ surface

JO3_O3P - J-Value Ratio @ 500 hPa for Oct

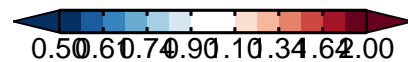
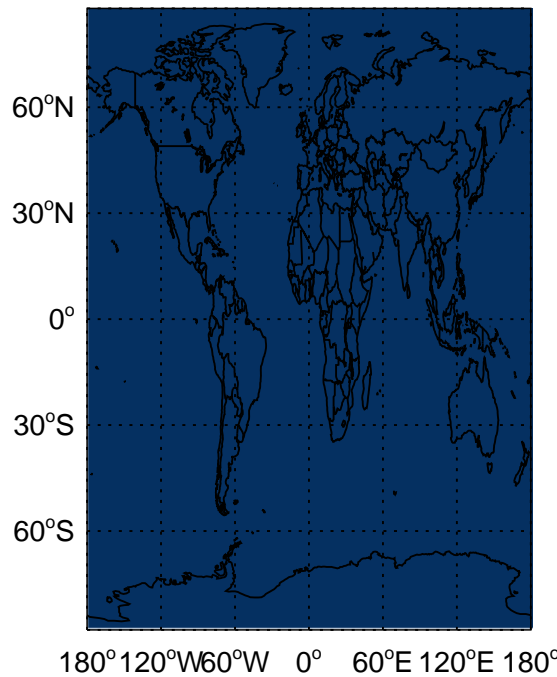
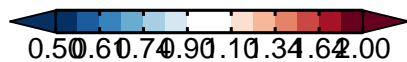
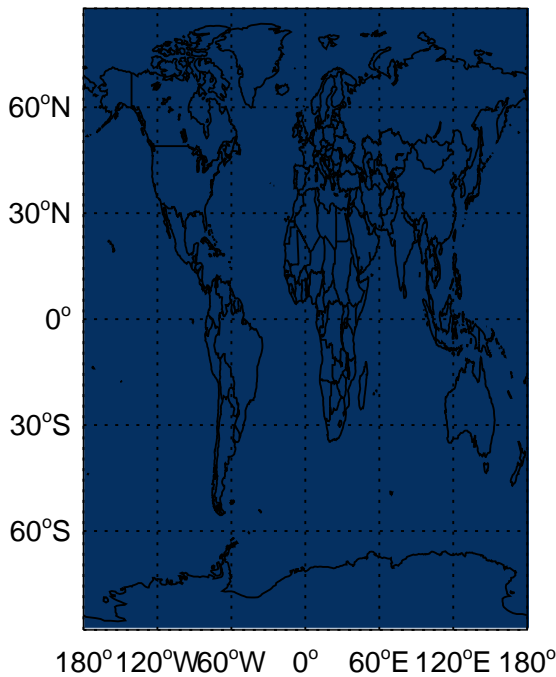


v11-01k-Run0 - v11-01f-geosfp-Run0

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

JO3_O3P - J-Value Ratio @ surface

JO3_O3P - J-Value Ratio @ 500 hPa for Oct



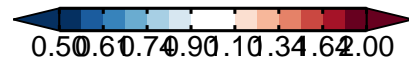
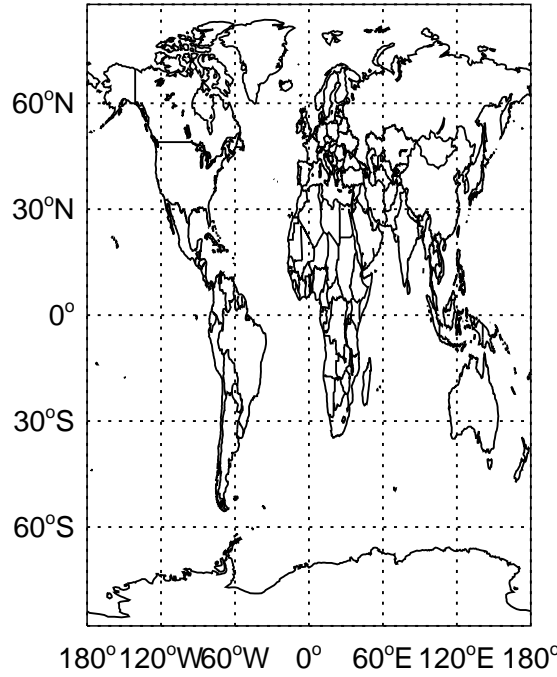
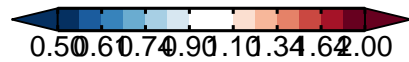
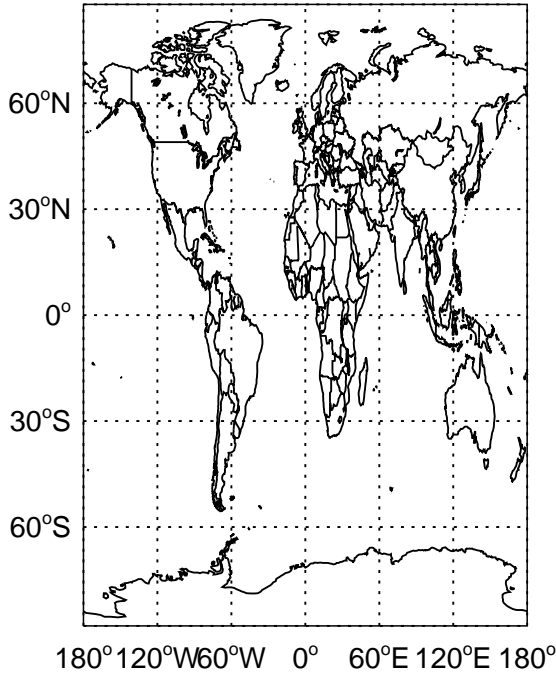
GEOS-Chem J-Values at surface and 500 hPa

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

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

JHNO3 - J-Value Ratio @ surface for Oct

JHNO3 - J-Value Ratio @ 500 hPa for Oct

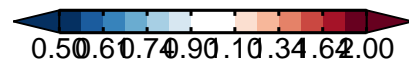
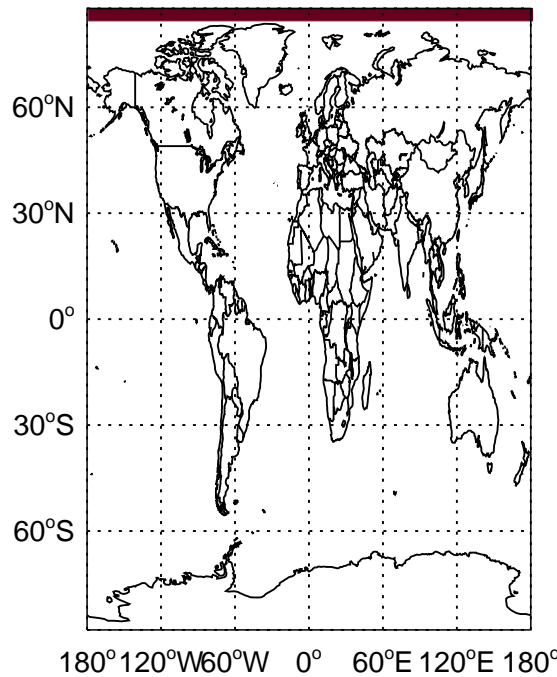
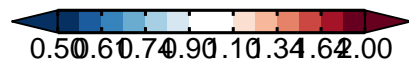
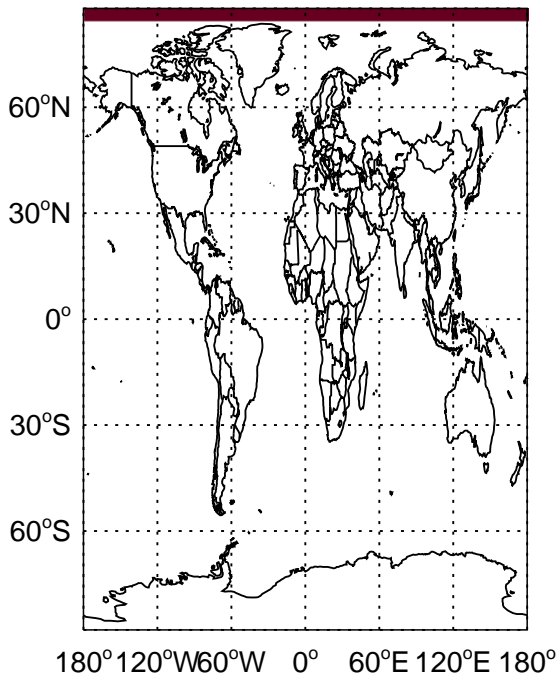


v11-01k-Run0 - v11-01f-geosfp-Run0

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

JHNO3 - J-Value Ratio @ surface for Oct

JHNO3 - J-Value Ratio @ 500 hPa for Oct



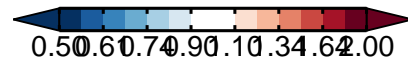
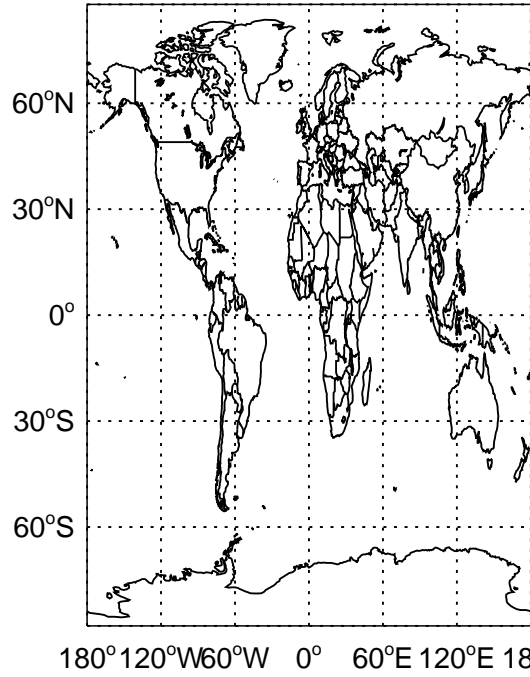
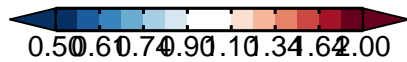
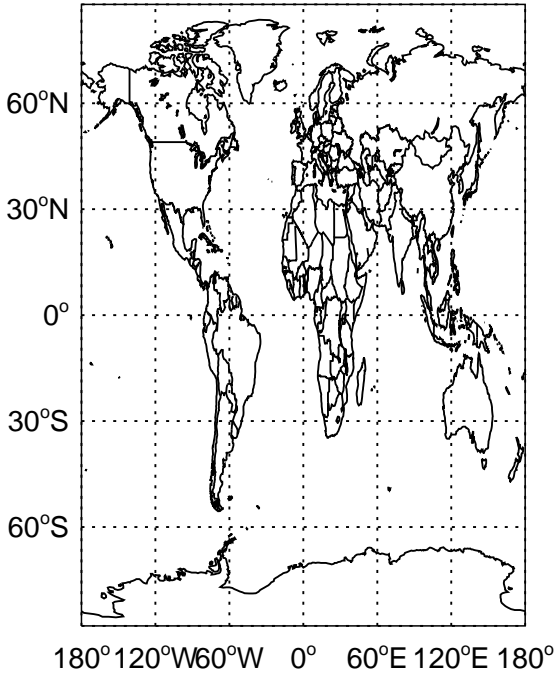
GEOS-Chem J-Values at surface and 500 hPa

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

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

JH2O2 - J-Value Ratio @ surface for Oct

JCl2O2 - J-Value Ratio @ 500 hPa for Oct

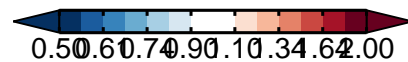
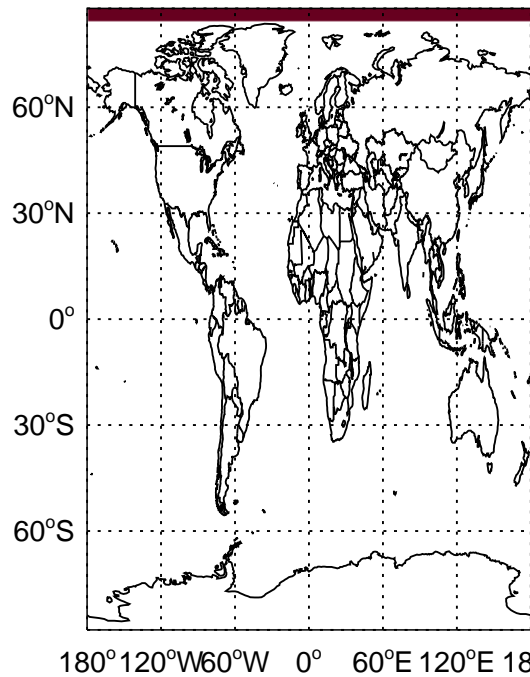
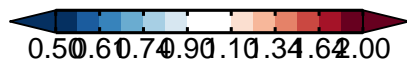
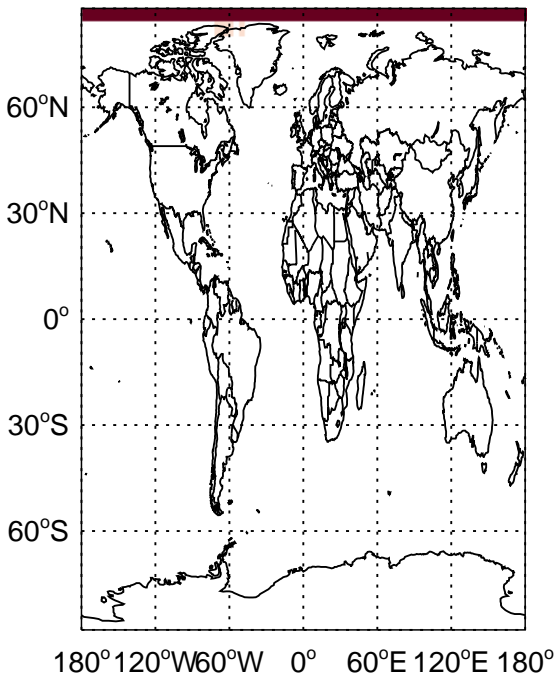


v11-01k-Run0 - v11-01f-geosfp-Run0

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

JH2O2 - J-Value Ratio @ surface for Oct

JCl2O2 - J-Value Ratio @ 500 hPa for Oct



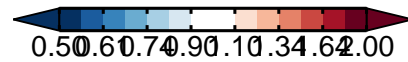
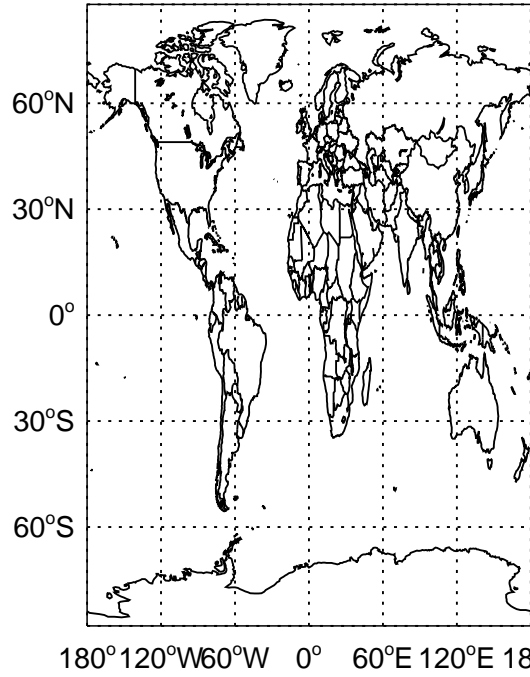
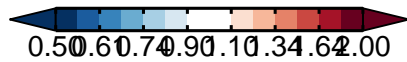
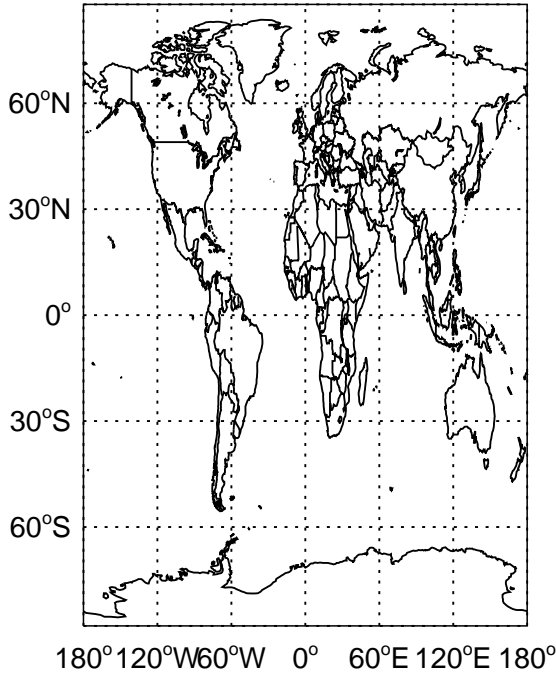
GEOS-Chem J-Values at surface and 500 hPa

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

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

JACET - J-Value Ratio @ surface for Oct

JACET - J-Value Ratio @ 500 hPa for Oct

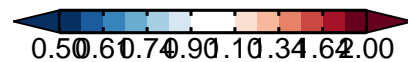
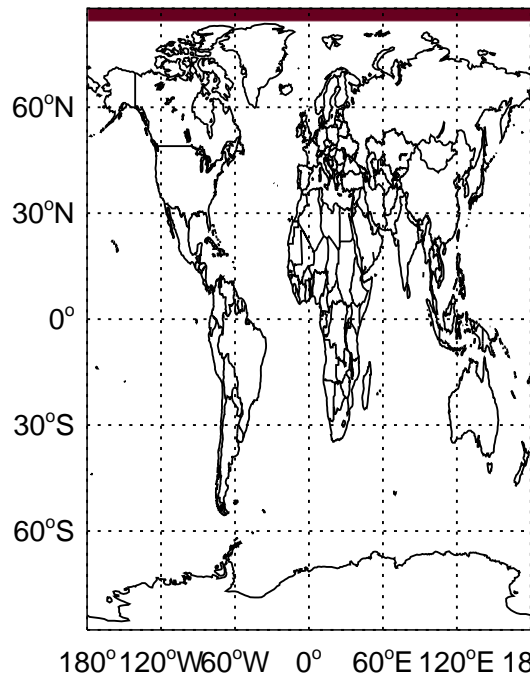
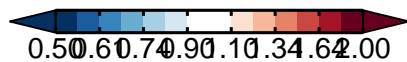
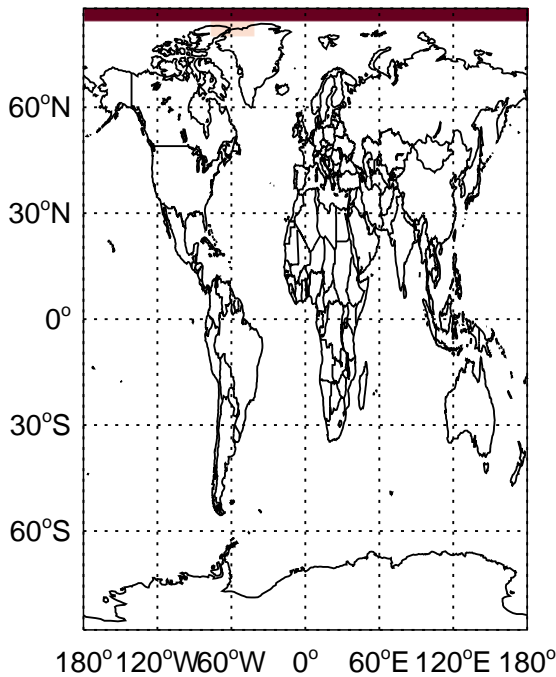


v11-01k-Run0 - v11-01f-geosfp-Run0

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

JACET - J-Value Ratio @ surface for Oct

JACET - J-Value Ratio @ 500 hPa for Oct



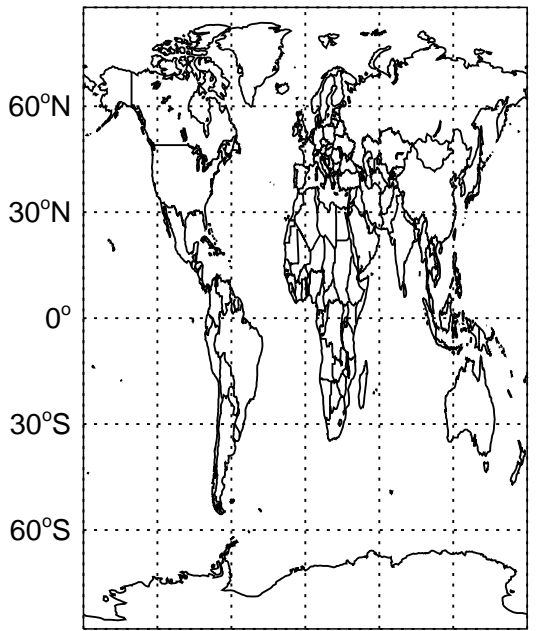
GEOS-Chem J-Values at surface and 500 hPa

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

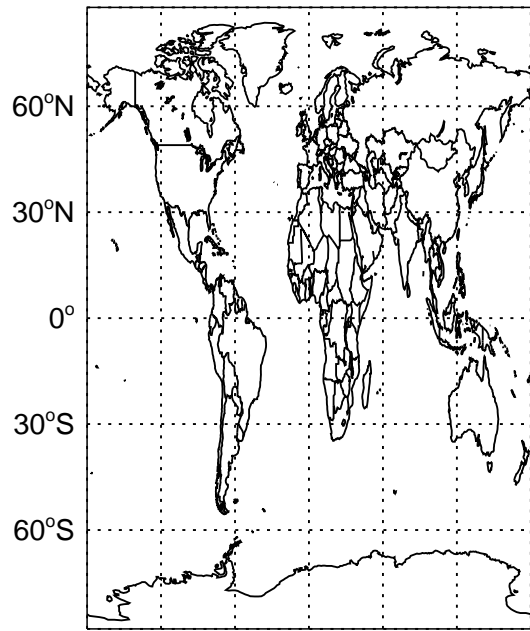
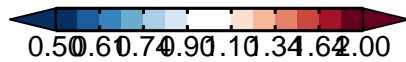
v11-01k-Run0 - v11-01g-Run0

JALD2 - J-Value Ratio @ surface for Oct

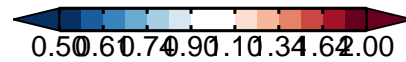
JALD2 - J-Value Ratio @ 500 hPa for Oct



180° 120°W 60°W 0° 60°E 120°E 180°



180° 120°W 60°W 0° 60°E 120°E 180°

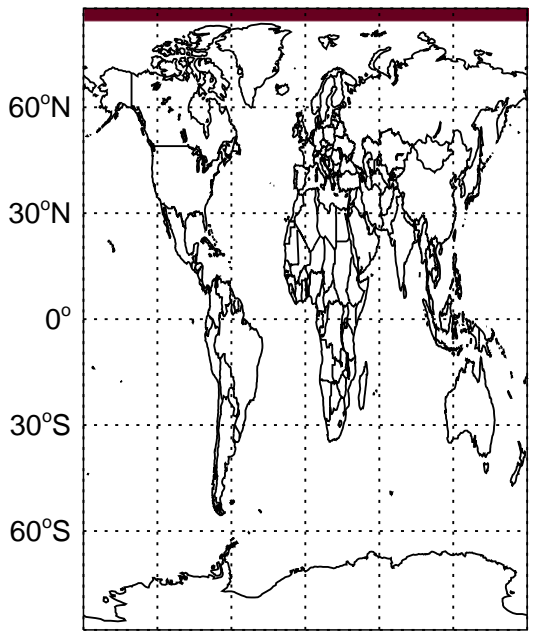


v11-01k-Run0 - v11-01f-geosfp-Run0

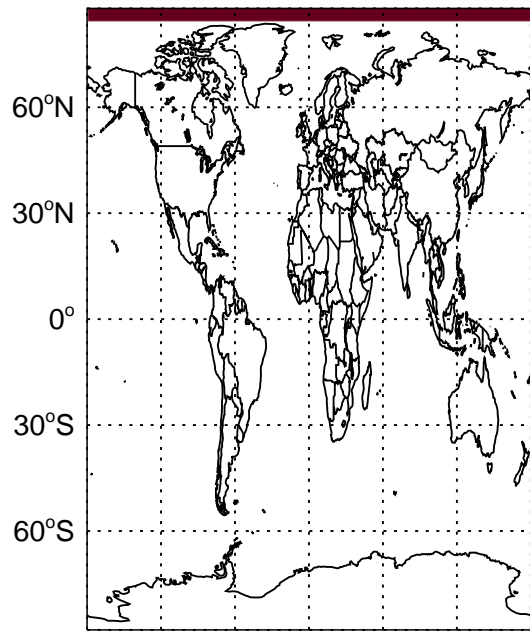
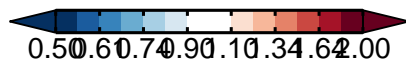
v11-01k-Run0 - v11-01f-geosfp-Run0

JALD2 - J-Value Ratio @ surface for Oct

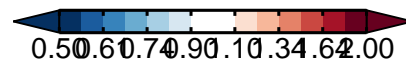
JALD2 - J-Value Ratio @ 500 hPa for Oct



180° 120°W 60°W 0° 60°E 120°E 180°



180° 120°W 60°W 0° 60°E 120°E 180°



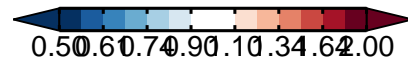
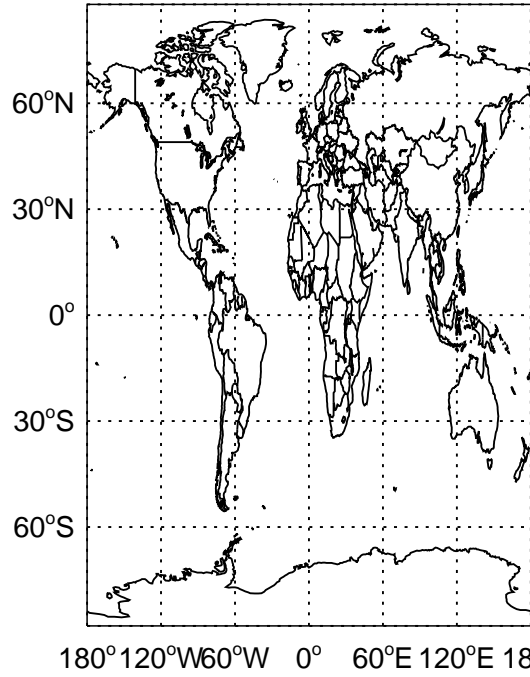
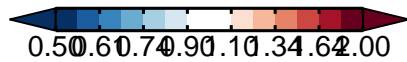
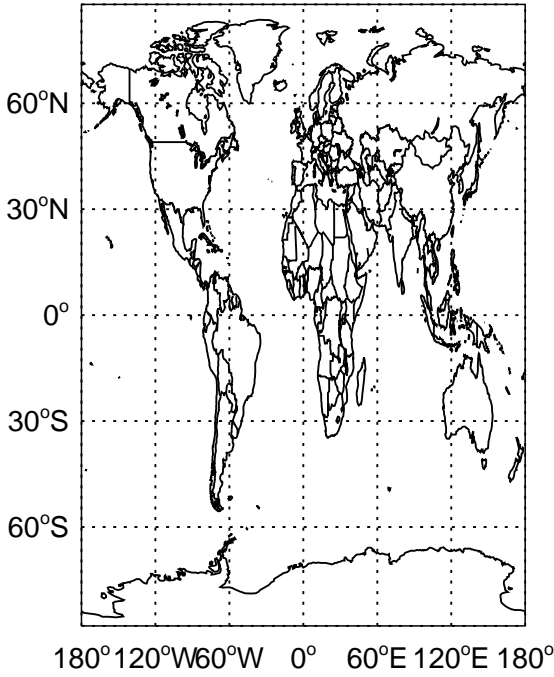
GEOS-Chem J-Values at surface and 500 hPa

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

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

JMVK - J-Value Ratio @ surface for Oct

JMVK - J-Value Ratio @ 500 hPa for Oct

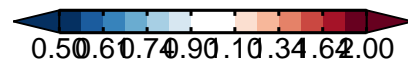
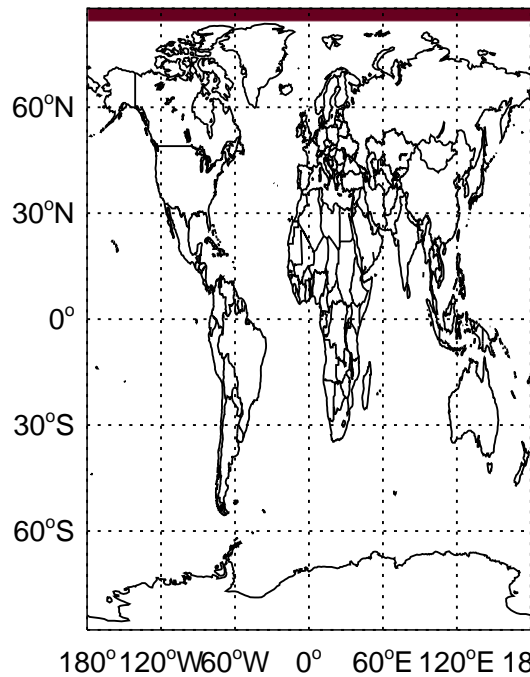
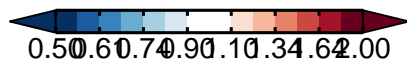
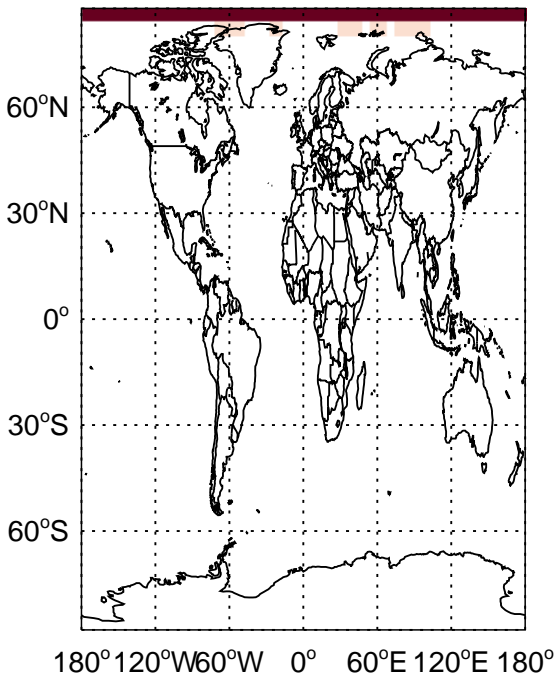


v11-01k-Run0 - v11-01f-geosfp-Run0

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

JMVK - J-Value Ratio @ surface for Oct

JMVK - J-Value Ratio @ 500 hPa for Oct



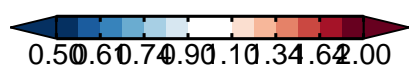
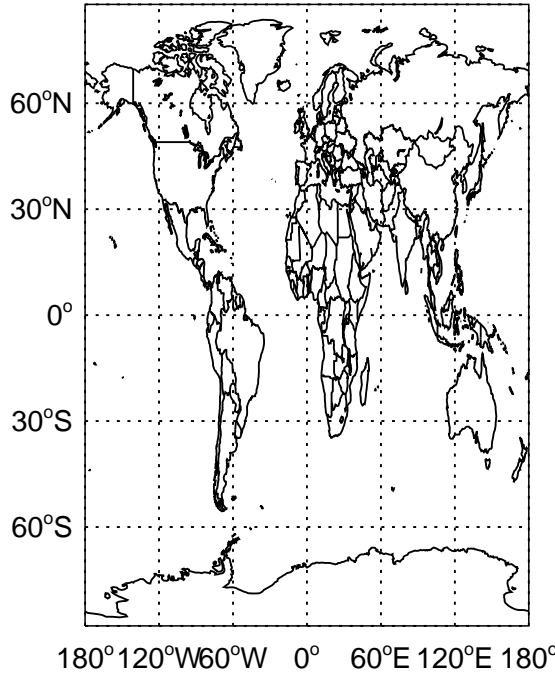
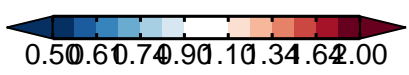
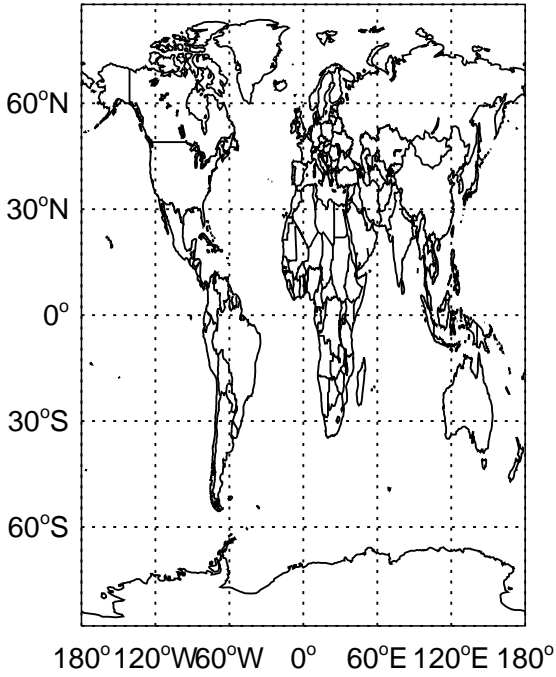
GEOS-Chem J-Values at surface and 500 hPa

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

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

JMACR - J-Value Ratio @ surface for Oct

JMACR - J-Value Ratio @ 500 hPa for Oct

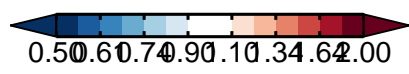
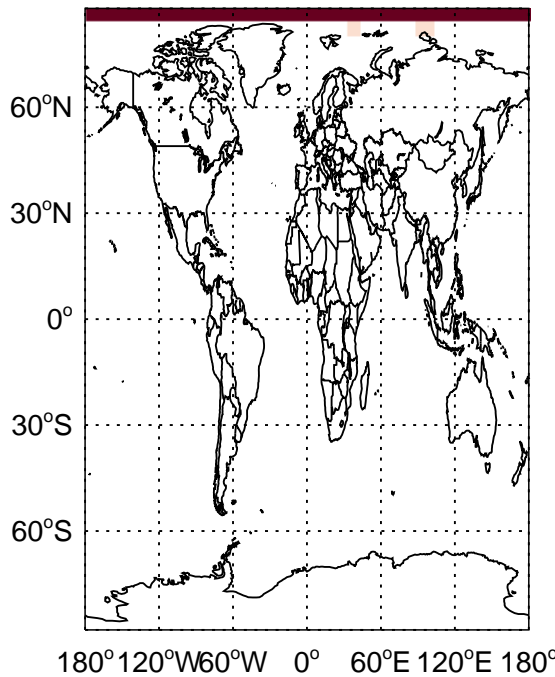
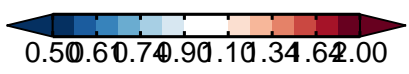
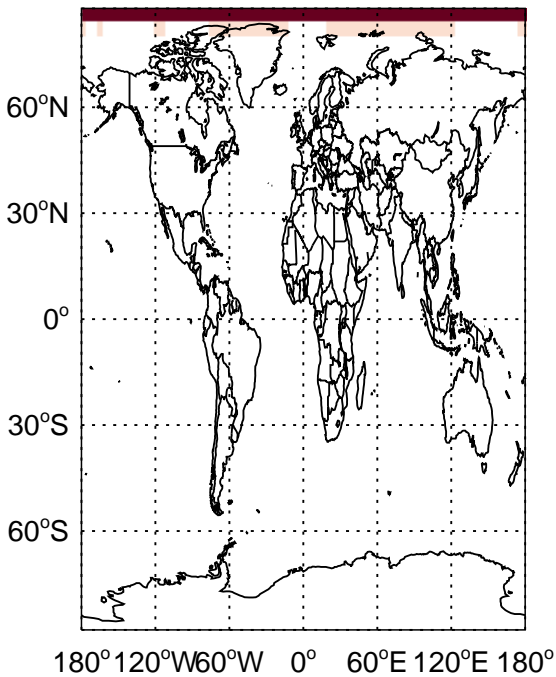


v11-01k-Run0 - v11-01f-geosfp-Run0

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

JMACR - J-Value Ratio @ surface for Oct

JMACR - J-Value Ratio @ 500 hPa for Oct



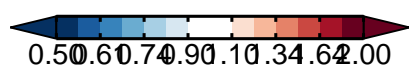
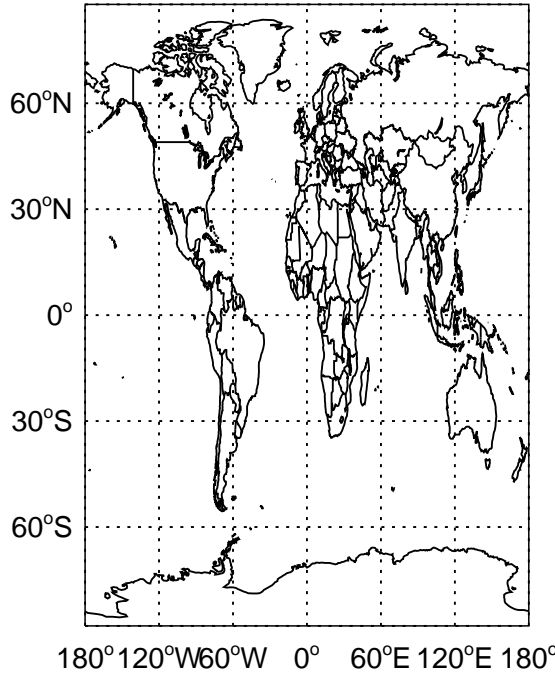
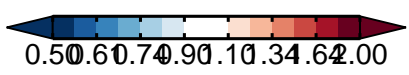
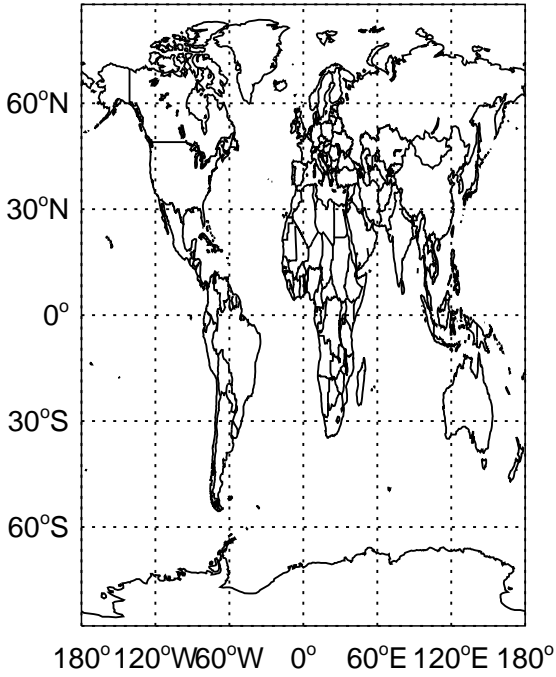
GEOS-Chem J-Values at surface and 500 hPa

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

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

JCH₂O - J-Value Ratio @ surface for Oct

JCH₂O - J-Value Ratio @ 500 hPa for Oct

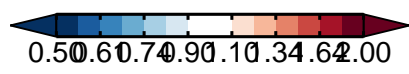
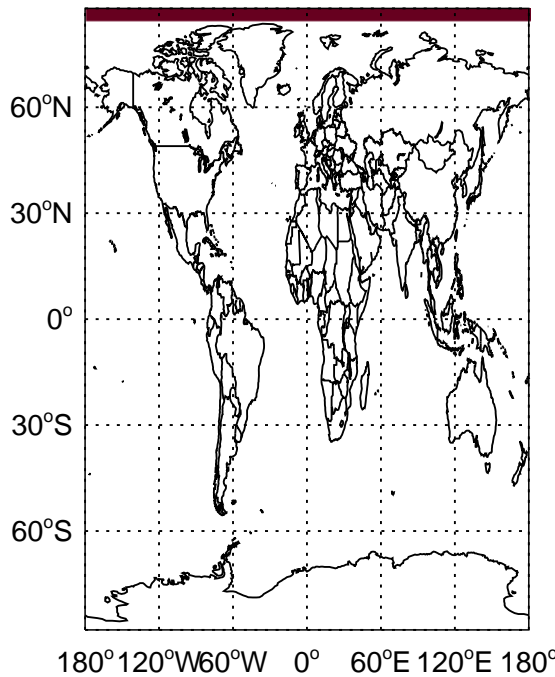
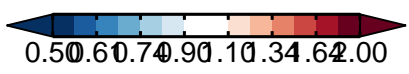
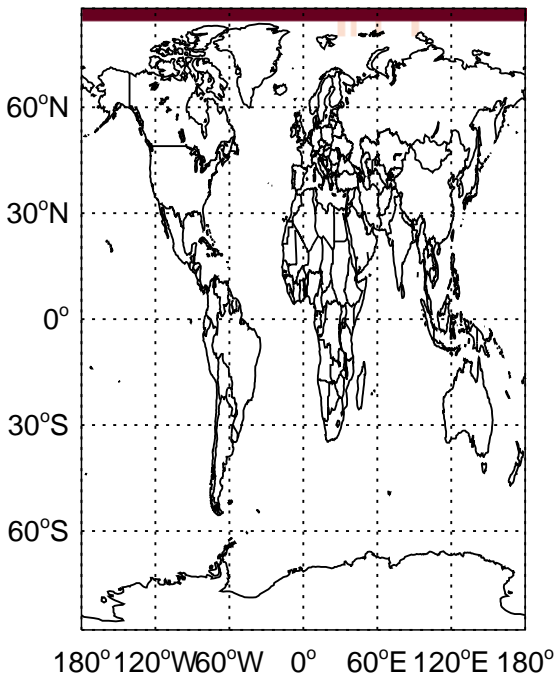


v11-01k-Run0 - v11-01f-geosfp-Run0

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

JCH₂O - J-Value Ratio @ surface for Oct

JCH₂O - J-Value Ratio @ 500 hPa for Oct



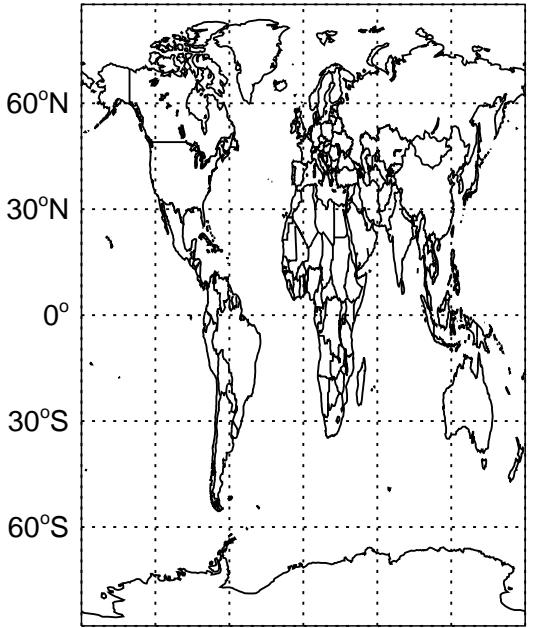
GEOS-Chem J-Values at surface and 500 hPa

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

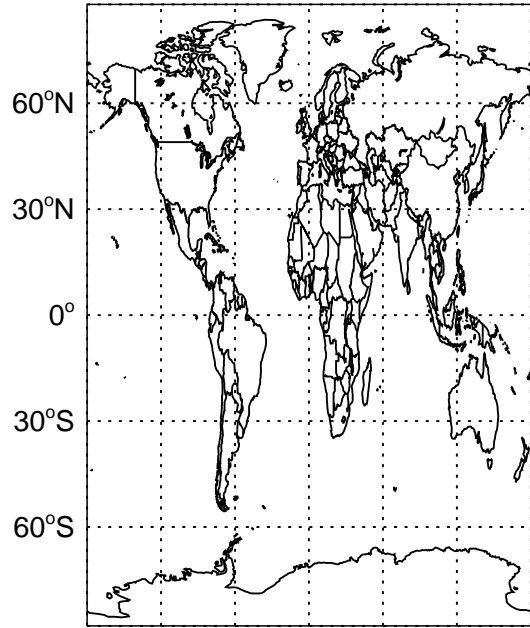
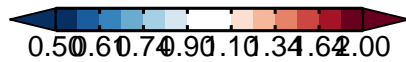
v11-01k-Run0 - v11-01g-Run0

JBr2 - J-Value Ratio @ surface for Oct

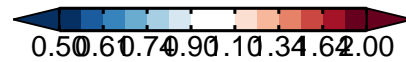
JBr2 - J-Value Ratio @ 500 hPa for Oct



180° 120°W 60°W 0° 60°E 120°E 180°



180° 120°W 60°W 0° 60°E 120°E 180°

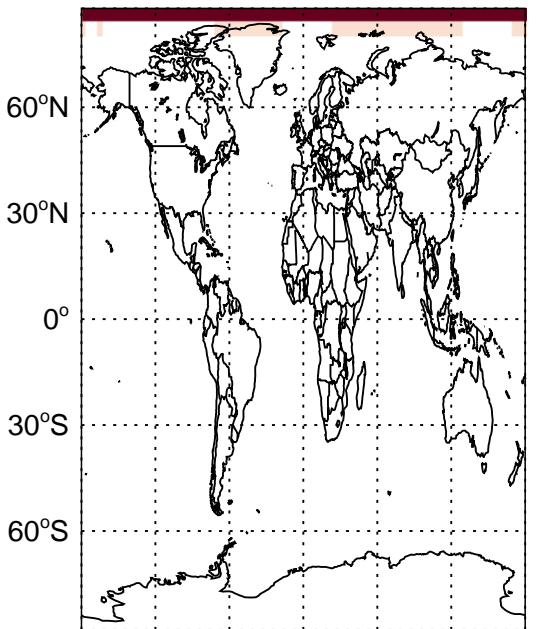


v11-01k-Run0 - v11-01f-geosfp-Run0

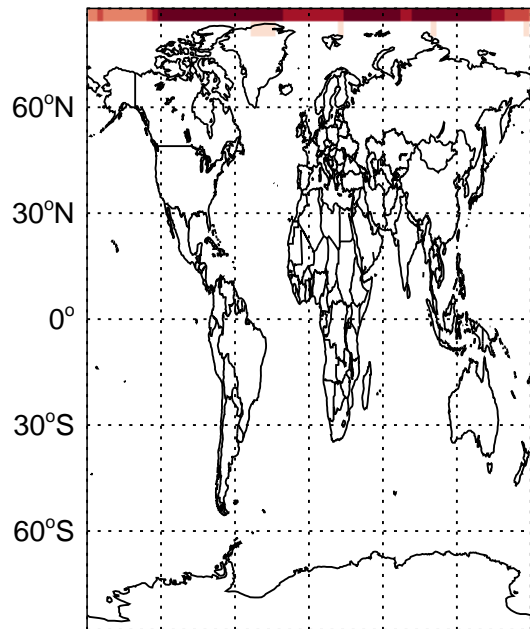
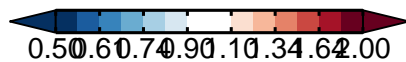
v11-01k-Run0 - v11-01f-geosfp-Run0

JBr2 - J-Value Ratio @ surface for Oct

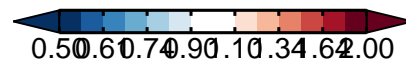
JBr2 - J-Value Ratio @ 500 hPa for Oct



180° 120°W 60°W 0° 60°E 120°E 180°



180° 120°W 60°W 0° 60°E 120°E 180°



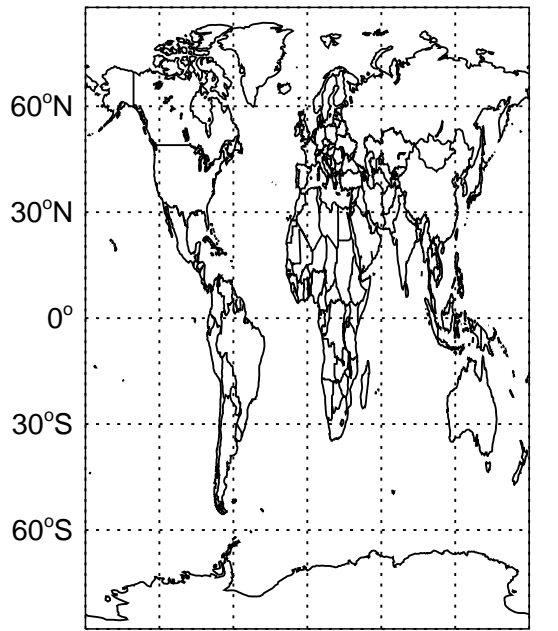
GEOS-Chem J-Values at surface and 500 hPa

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

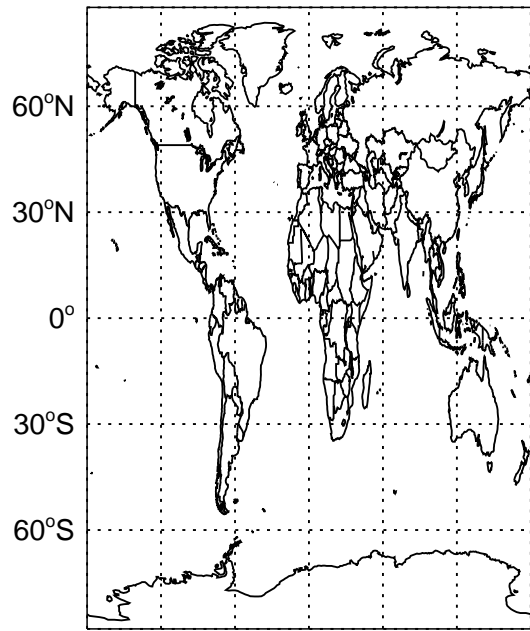
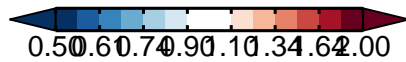
v11-01k-Run0 - v11-01g-Run0

JBrO - J-Value Ratio @ surface for Oct

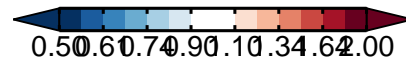
JBrO - J-Value Ratio @ 500 hPa for Oct



180° 120°W 60°W 0° 60°E 120°E 180°



180° 120°W 60°W 0° 60°E 120°E 180°

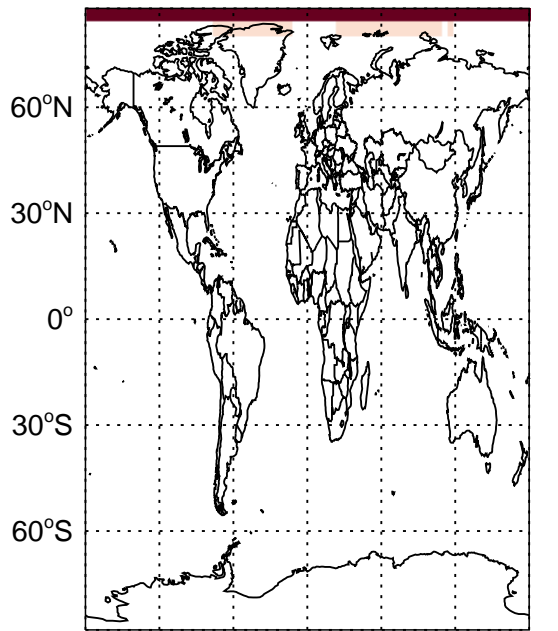


v11-01k-Run0 - v11-01f-geosfp-Run0

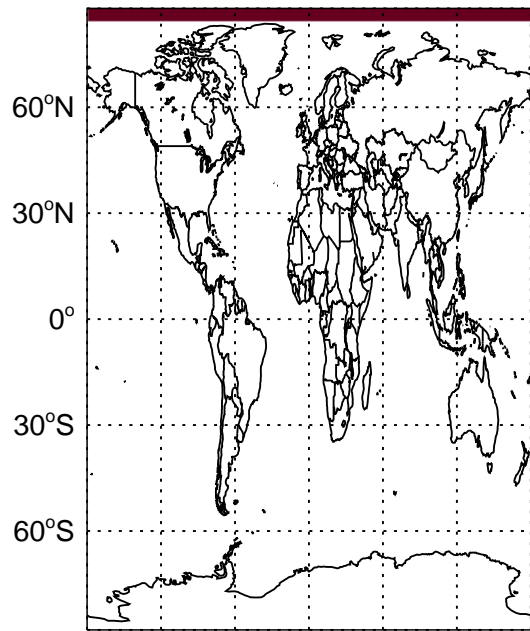
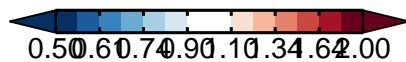
v11-01k-Run0 - v11-01f-geosfp-Run0

JBrO - J-Value Ratio @ surface for Oct

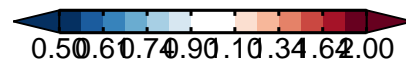
JBrO - J-Value Ratio @ 500 hPa for Oct



180° 120°W 60°W 0° 60°E 120°E 180°



180° 120°W 60°W 0° 60°E 120°E 180°



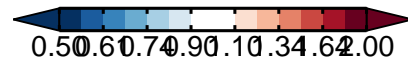
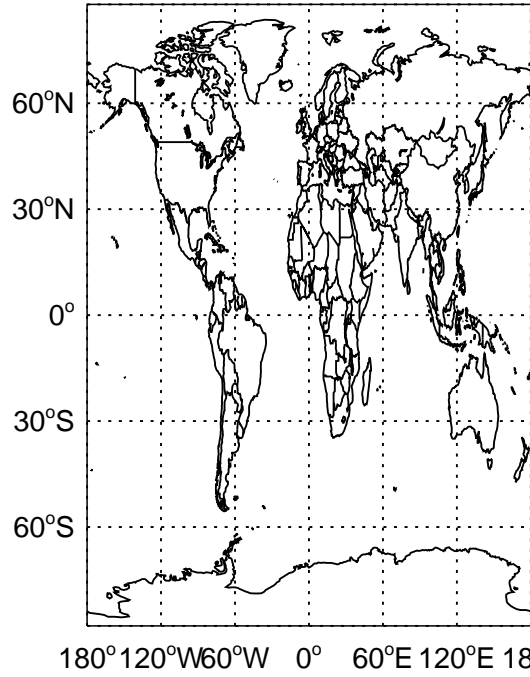
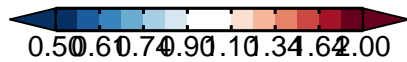
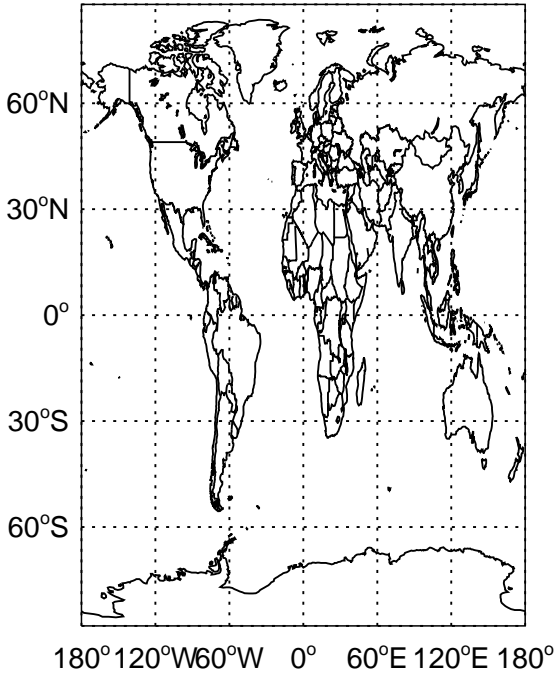
GEOS-Chem J-Values at surface and 500 hPa

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

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

JHOBr - J-Value Ratio @ surface for Oct

JHOBr - J-Value Ratio @ 500 hPa for Oct

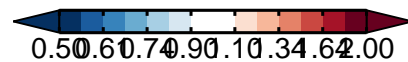
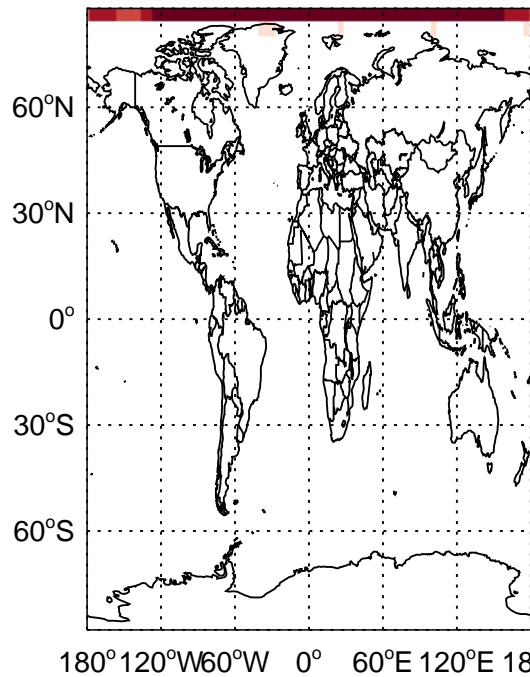
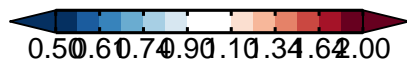
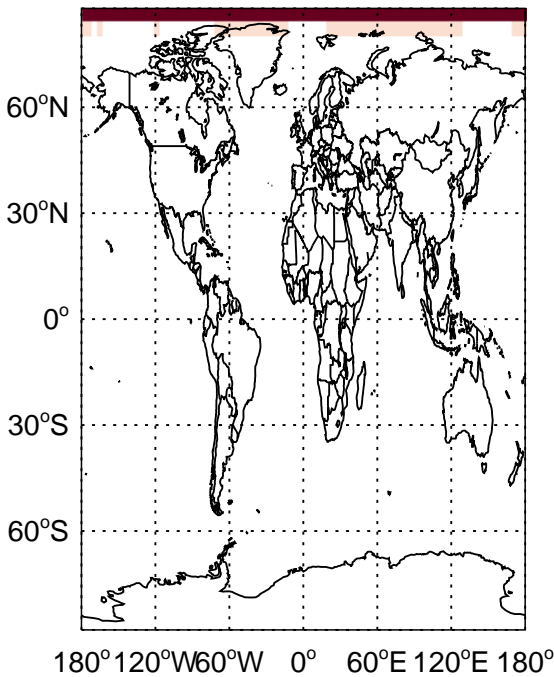


v11-01k-Run0 - v11-01f-geosfp-Run0

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

JHOBr - J-Value Ratio @ surface for Oct

JHOBr - J-Value Ratio @ 500 hPa for Oct



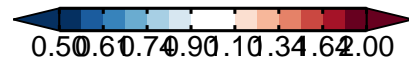
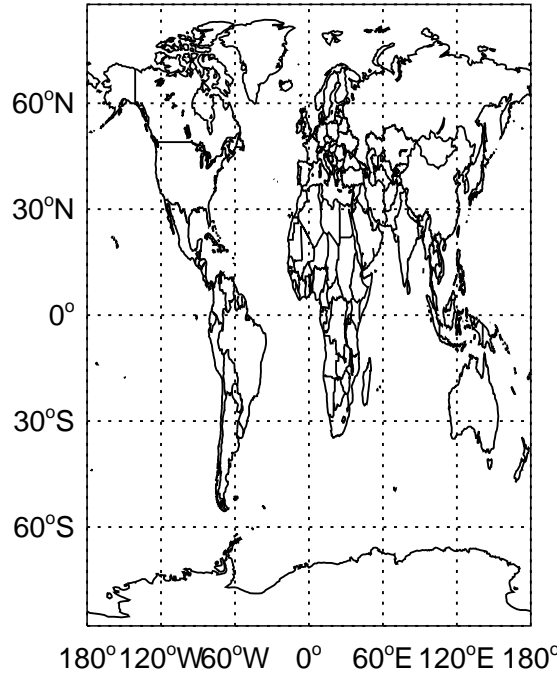
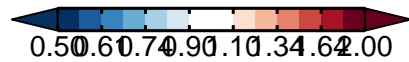
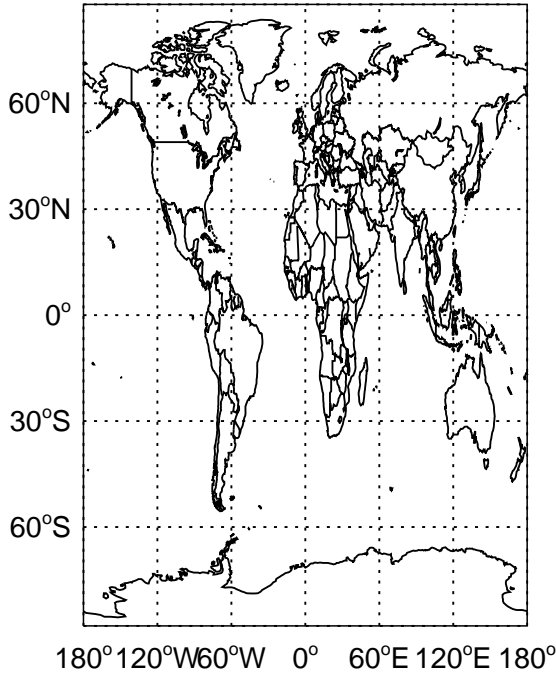
GEOS-Chem J-Values at surface and 500 hPa

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

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

JBrNO2 - J-Value Ratio @ surface for Oct

JBrNO2 - J-Value Ratio @ 500 hPa for Oct

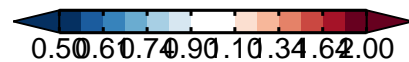
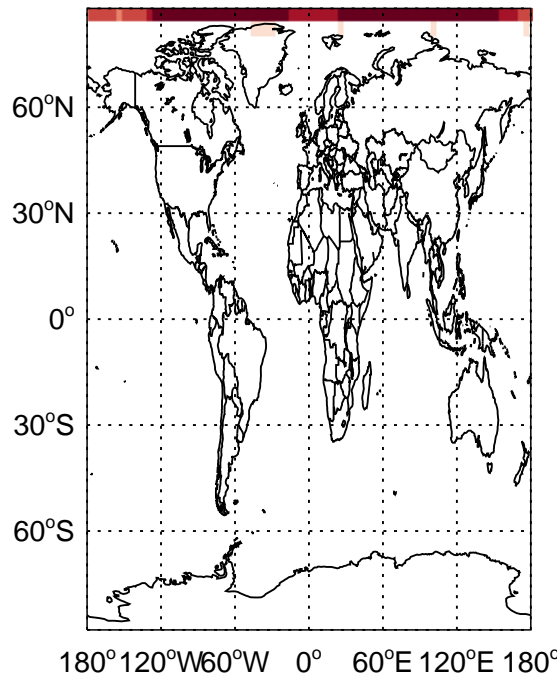
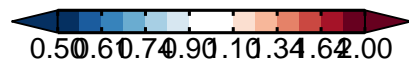
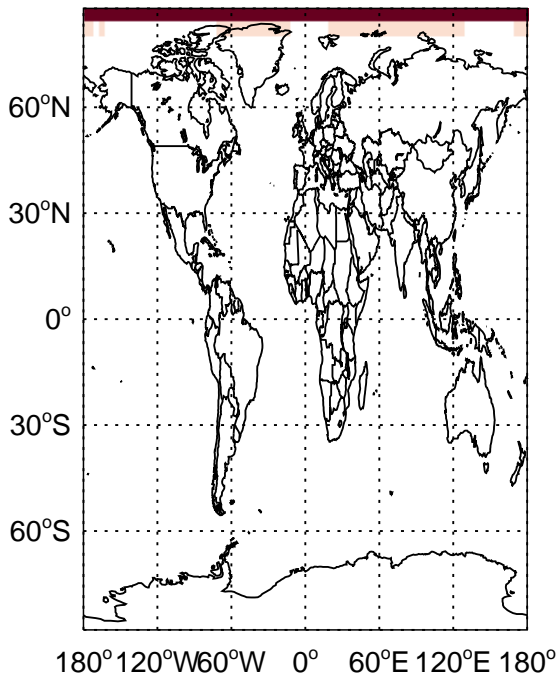


v11-01k-Run0 - v11-01f-geosfp-Run0

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

JBrNO2 - J-Value Ratio @ surface for Oct

JBrNO2 - J-Value Ratio @ 500 hPa for Oct



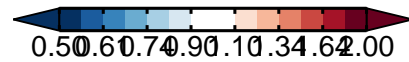
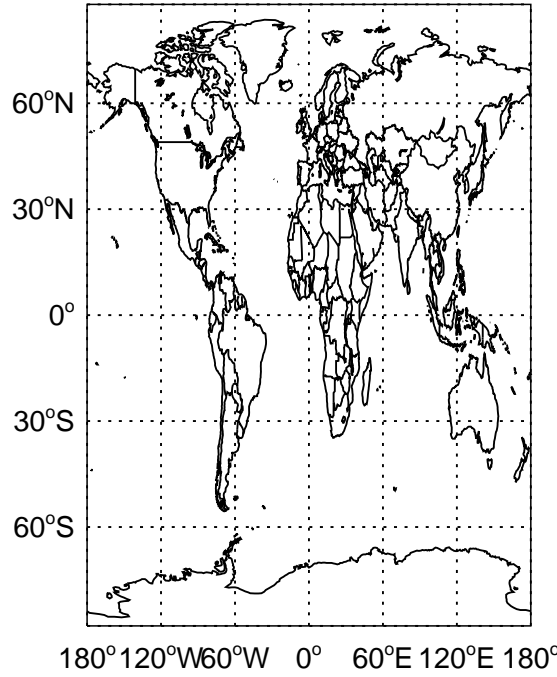
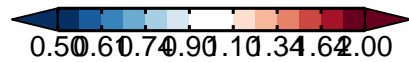
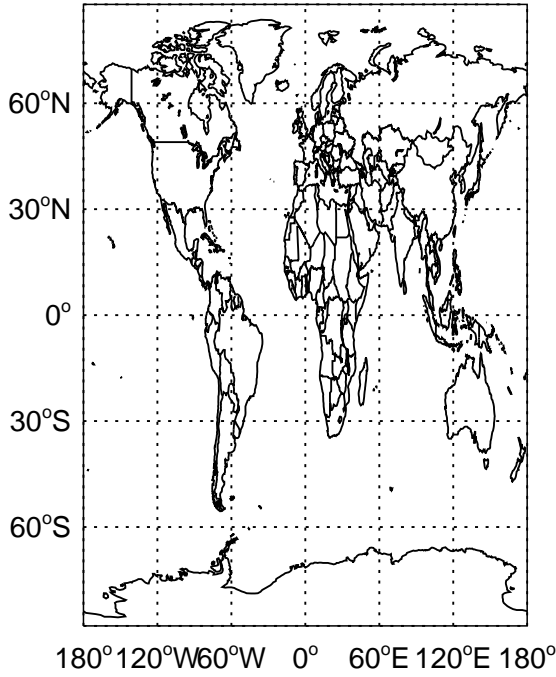
GEOS-Chem J-Values at surface and 500 hPa

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

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

JBrNO3 - J-Value Ratio @ surface for Oct

JBrNO3 - J-Value Ratio @ 500 hPa for Oct

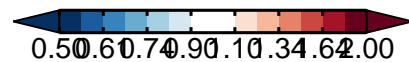
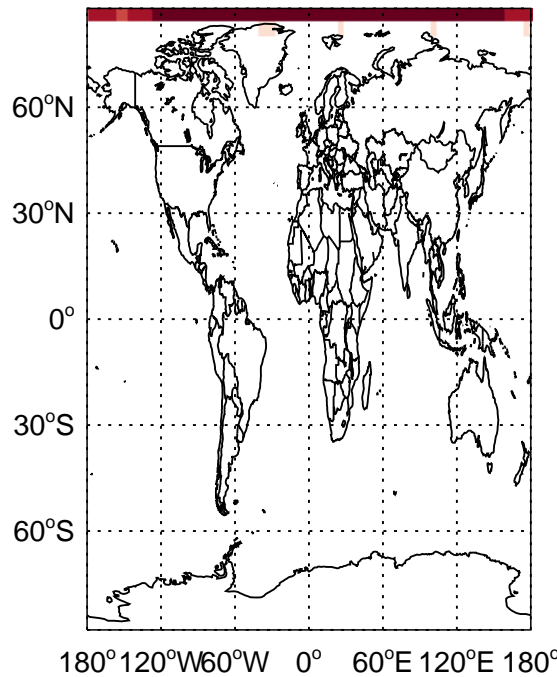
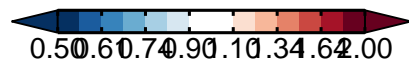
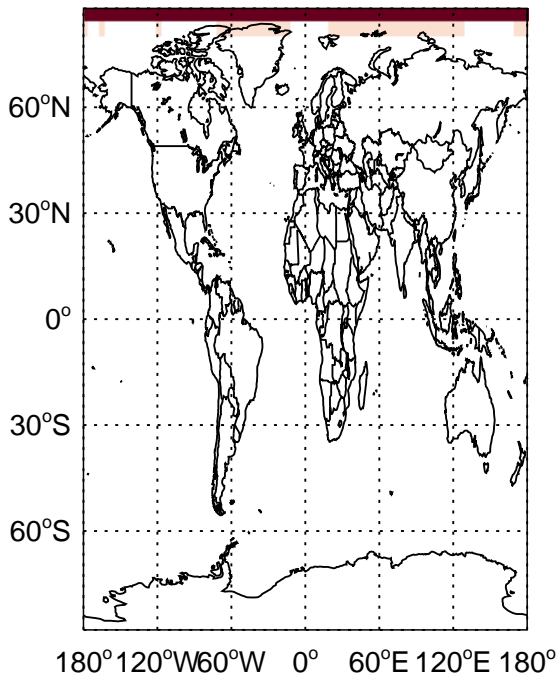


v11-01k-Run0 - v11-01f-geosfp-Run0

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

JBrNO3 - J-Value Ratio @ surface for Oct

JBrNO3 - J-Value Ratio @ 500 hPa for Oct



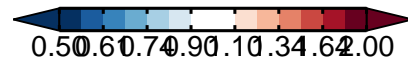
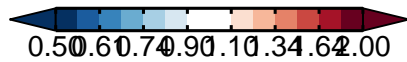
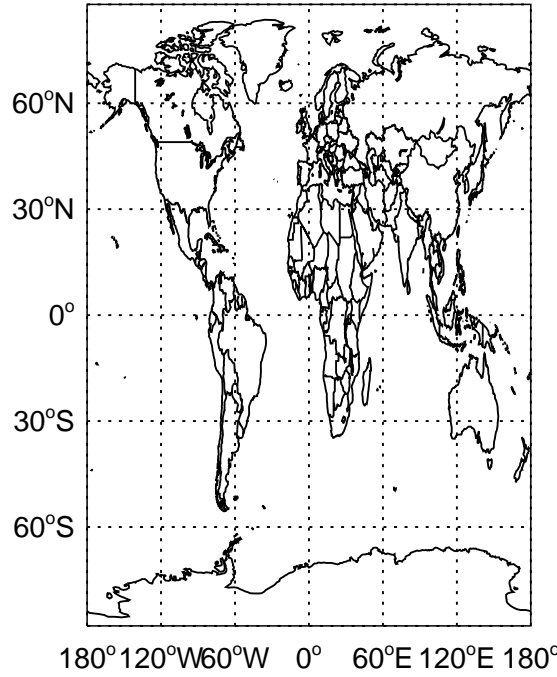
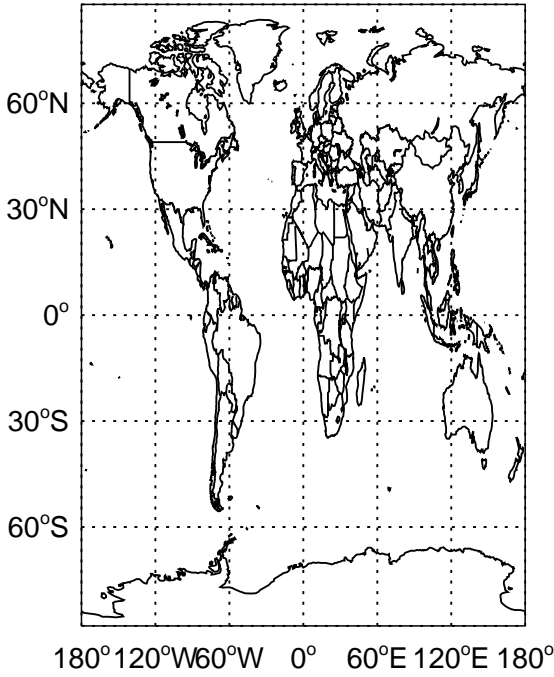
GEOS-Chem J-Values at surface and 500 hPa

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

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

JCHBr3 - J-Value Ratio @ surface for Oct

JCHBr3 - J-Value Ratio @ 500 hPa for Oct

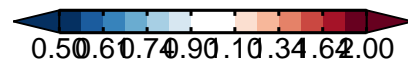
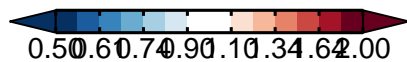
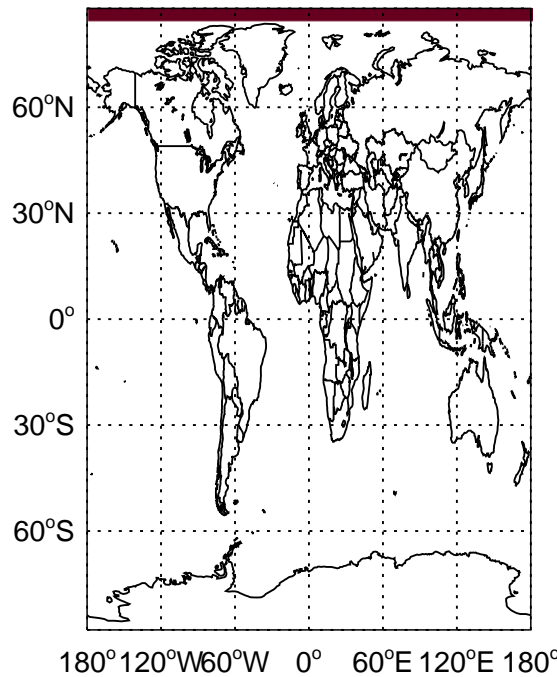
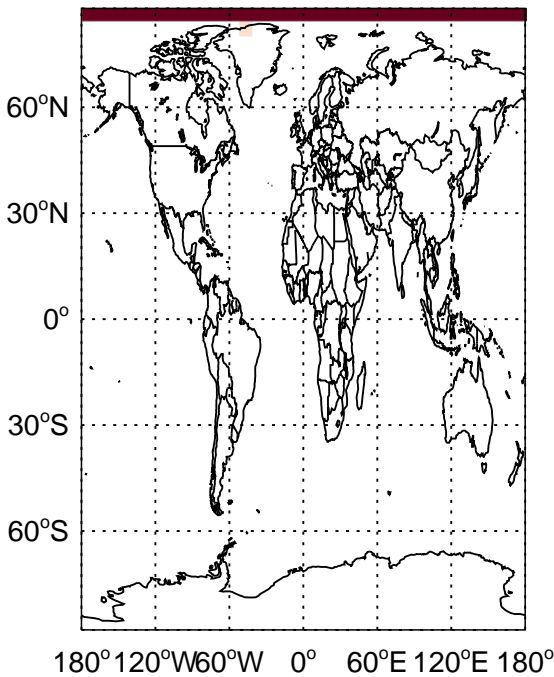


v11-01k-Run0 - v11-01f-geosfp-Run0

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

JCHBr3 - J-Value Ratio @ surface for Oct

JCHBr3 - J-Value Ratio @ 500 hPa for Oct



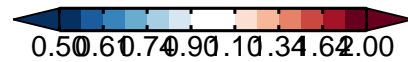
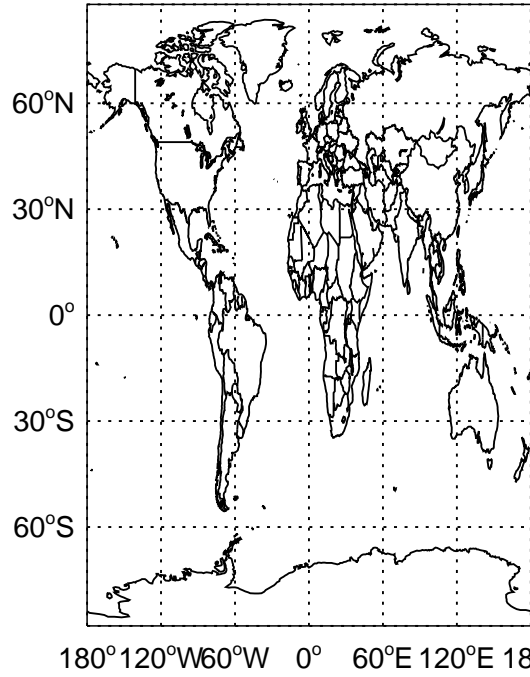
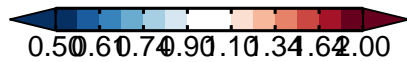
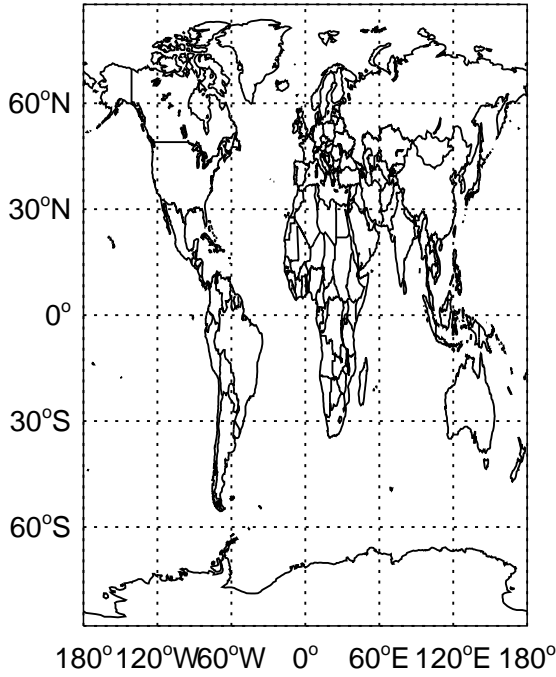
GEOS-Chem J-Values at surface and 500 hPa

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

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

JHAC - J-Value Ratio @ surface for Oct

JHAC - J-Value Ratio @ 500 hPa for Oct

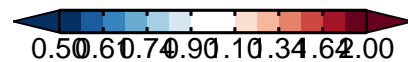
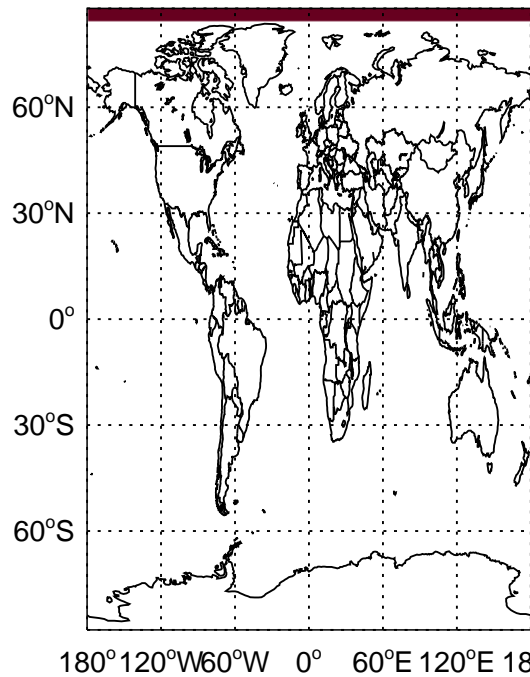
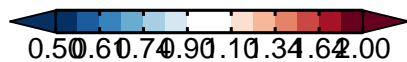
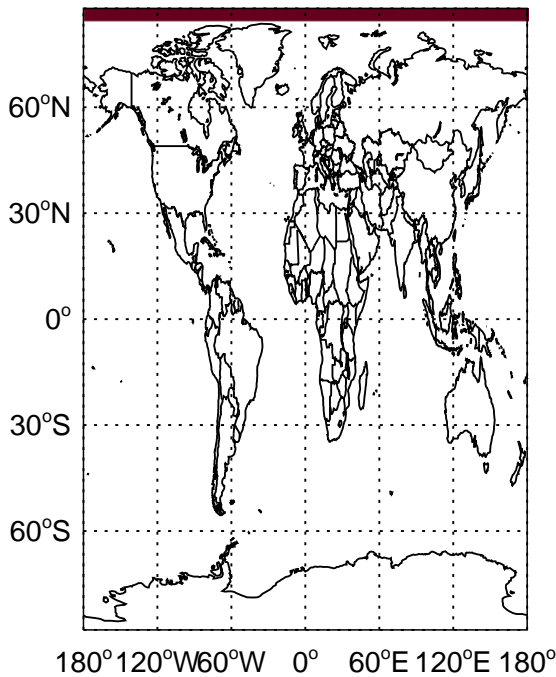


v11-01k-Run0 - v11-01f-geosfp-Run0

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

JHAC - J-Value Ratio @ surface for Oct

JHAC - J-Value Ratio @ 500 hPa for Oct



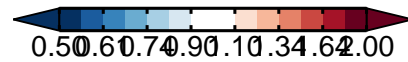
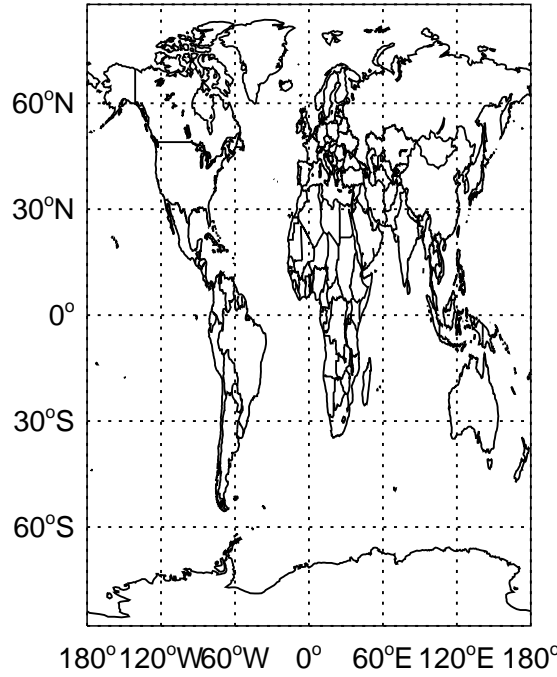
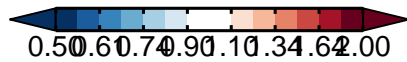
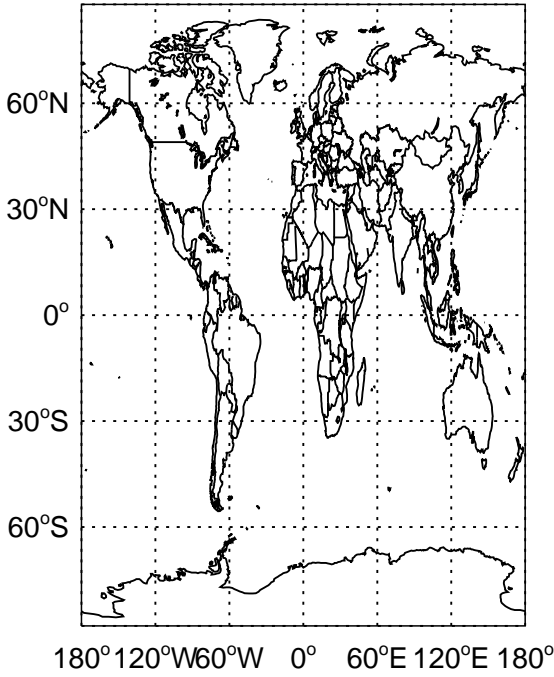
GEOS-Chem J-Values at surface and 500 hPa

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

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

JGLYC - J-Value Ratio @ surface for Oct

JGLYC - J-Value Ratio @ 500 hPa for Oct

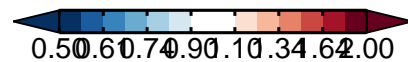
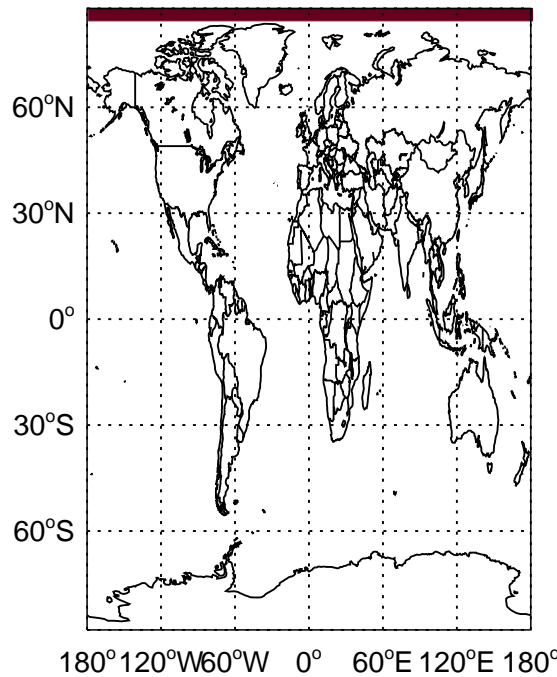
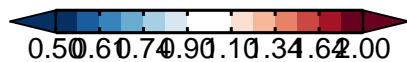
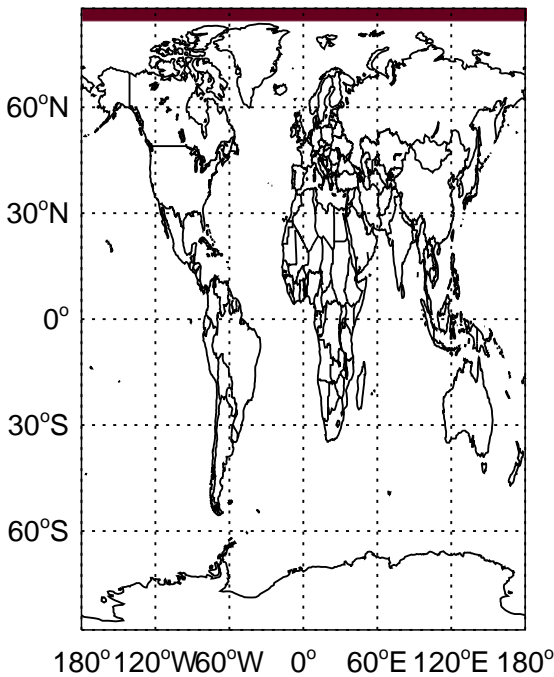


v11-01k-Run0 - v11-01f-geosfp-Run0

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

JGLYC - J-Value Ratio @ surface for Oct

JGLYC - J-Value Ratio @ 500 hPa for Oct



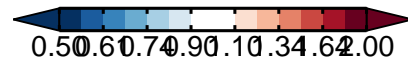
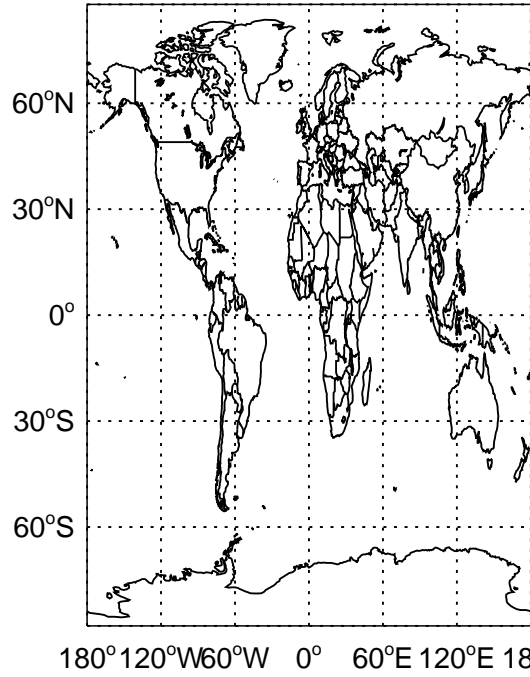
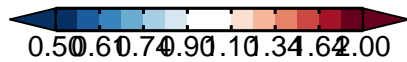
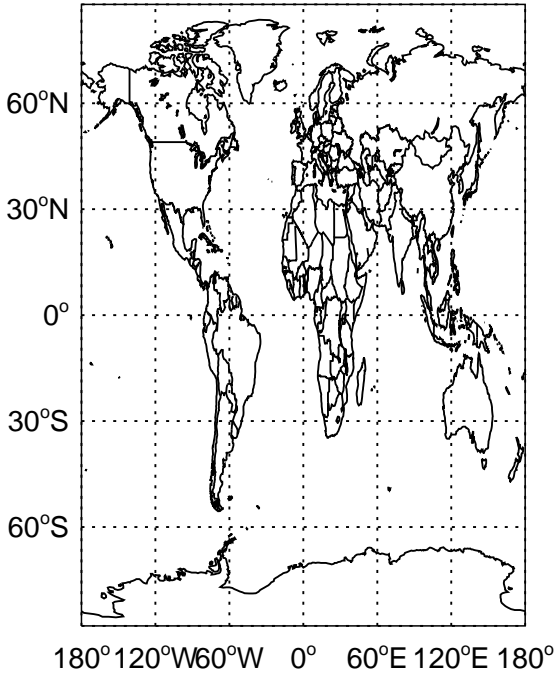
GEOS-Chem J-Values at surface and 500 hPa

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

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

JNO2 - J-Value Ratio @ surface for Oct

JNO2 - J-Value Ratio @ 500 hPa for Oct

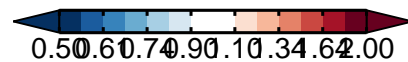
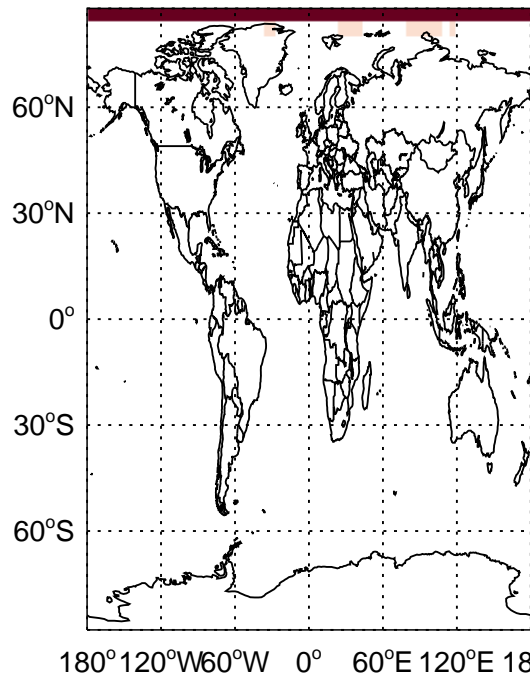
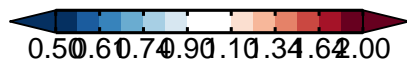
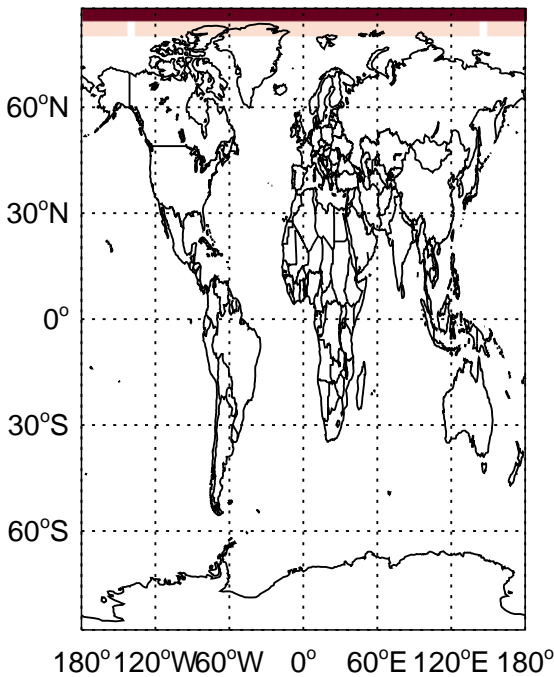


v11-01k-Run0 - v11-01f-geosfp-Run0

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

JNO2 - J-Value Ratio @ surface for Oct

JNO2 - J-Value Ratio @ 500 hPa for Oct



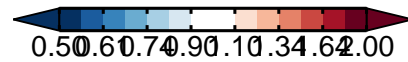
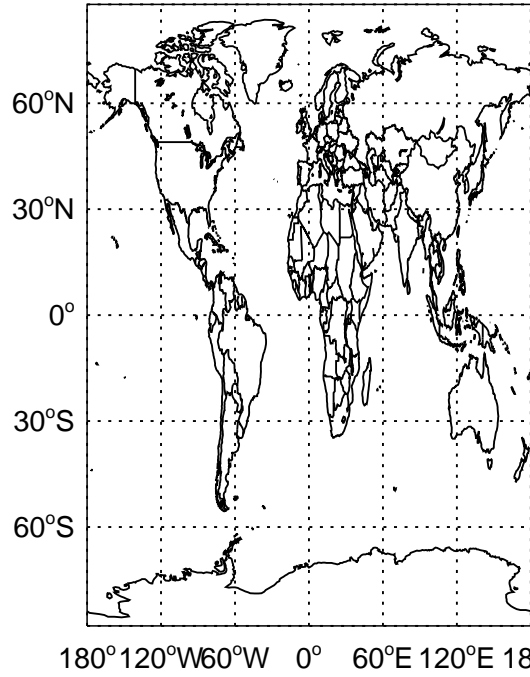
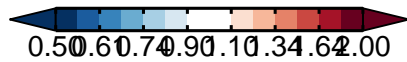
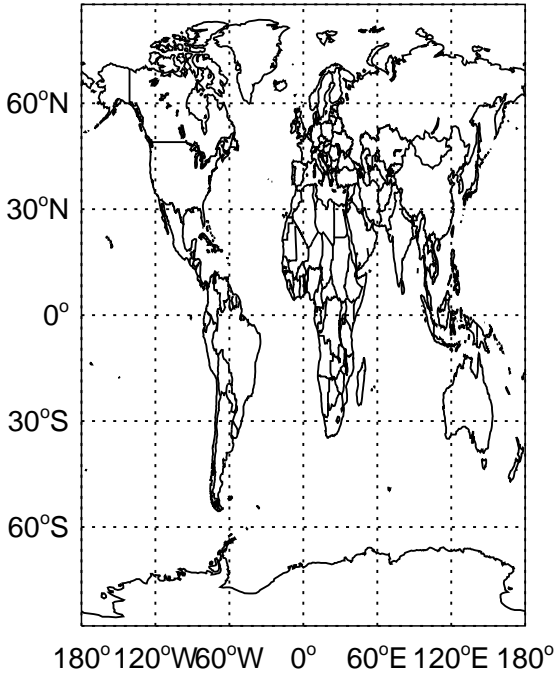
GEOS-Chem J-Values at surface and 500 hPa

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

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

JNO3 - J-Value Ratio @ surface for Oct

JNO3 - J-Value Ratio @ 500 hPa for Oct

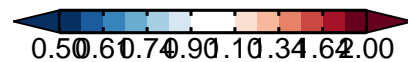
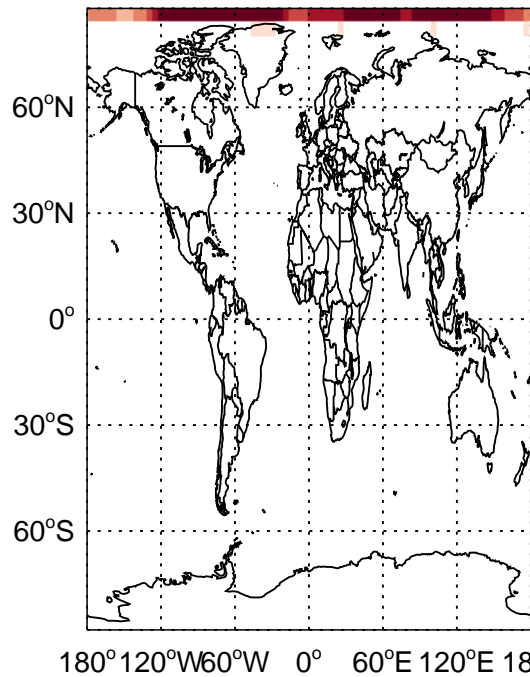
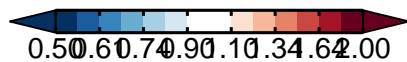
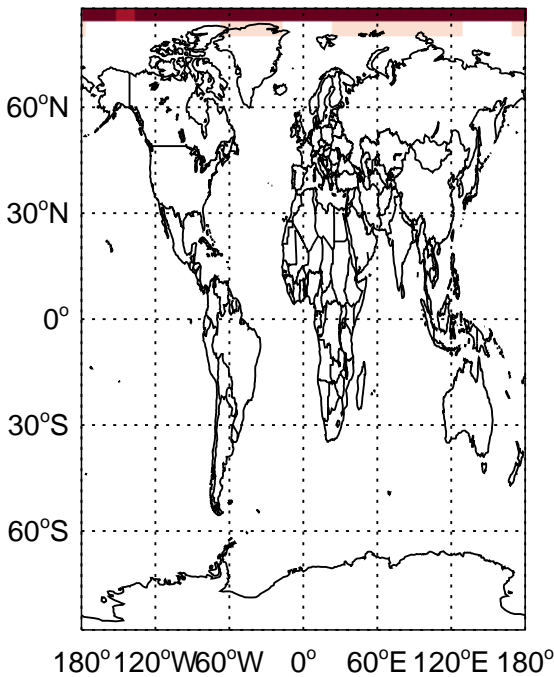


v11-01k-Run0 - v11-01f-geosfp-Run0

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

JNO3 - J-Value Ratio @ surface for Oct

JNO3 - J-Value Ratio @ 500 hPa for Oct



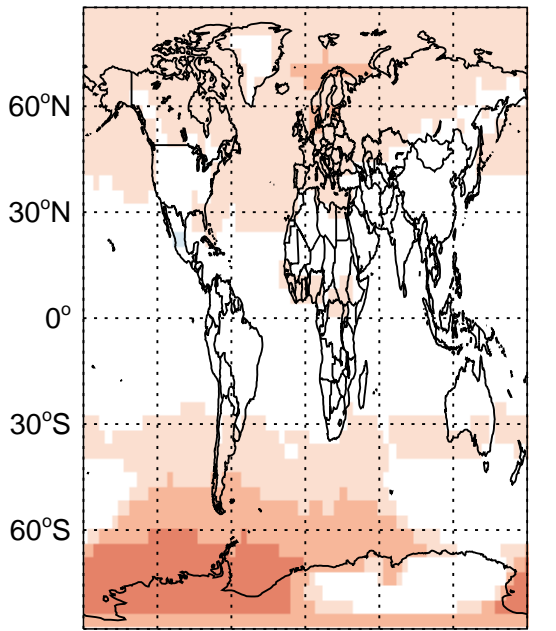
GEOS-Chem J-Values at surface and 500 hPa

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

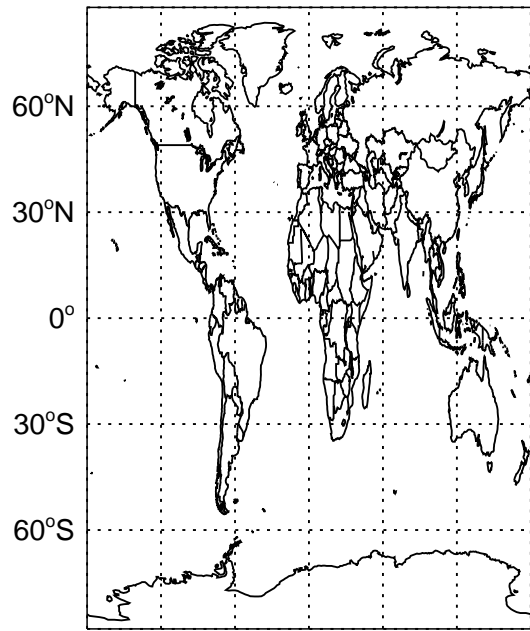
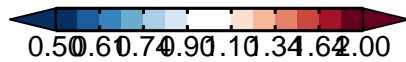
v11-01k-Run0 - v11-01g-Run0

JN2O - J-Value Ratio @ surface for Oct

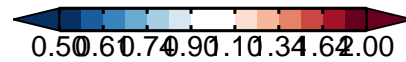
JN2O - J-Value Ratio @ 500 hPa for Oct



180° 120°W 60°W 0° 60°E 120°E 180°



180° 120°W 60°W 0° 60°E 120°E 180°

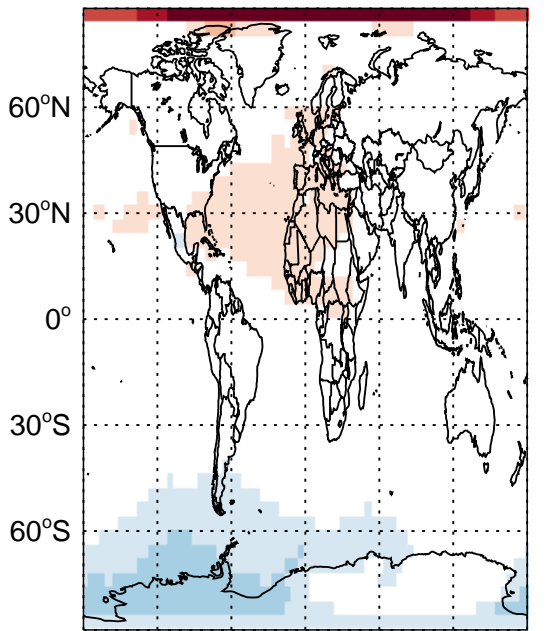


v11-01k-Run0 - v11-01f-geosfp-Run0

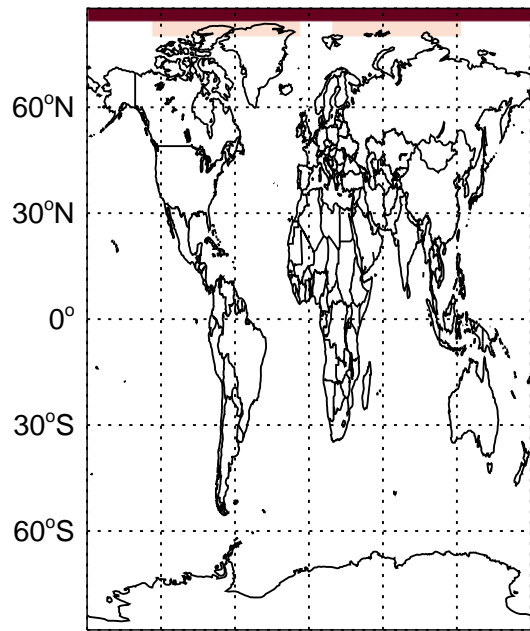
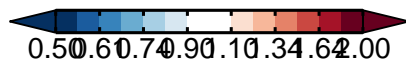
v11-01k-Run0 - v11-01f-geosfp-Run0

JN2O - J-Value Ratio @ surface for Oct

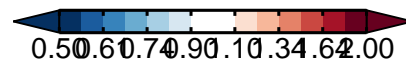
JN2O - J-Value Ratio @ 500 hPa for Oct



180° 120°W 60°W 0° 60°E 120°E 180°



180° 120°W 60°W 0° 60°E 120°E 180°



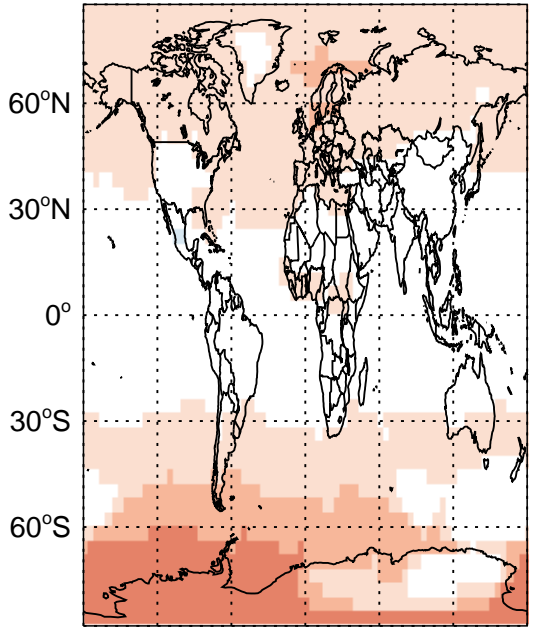
GEOS-Chem J-Values at surface and 500 hPa

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

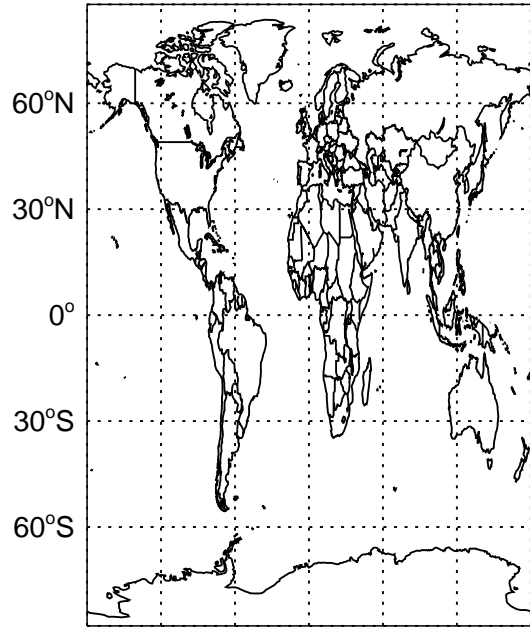
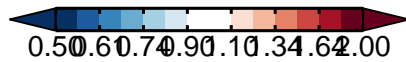
v11-01k-Run0 - v11-01g-Run0

JCCI4 - J-Value Ratio @ surface for Oct

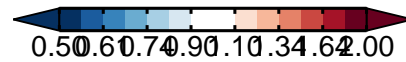
JCCI4 - J-Value Ratio @ 500 hPa for Oct



180° 120°W 60°W 0° 60°E 120°E 180°



180° 120°W 60°W 0° 60°E 120°E 180°

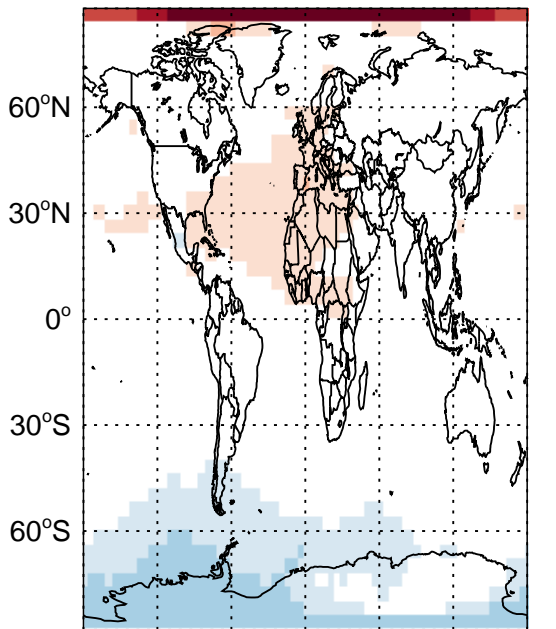


v11-01k-Run0 - v11-01f-geosfp-Run0

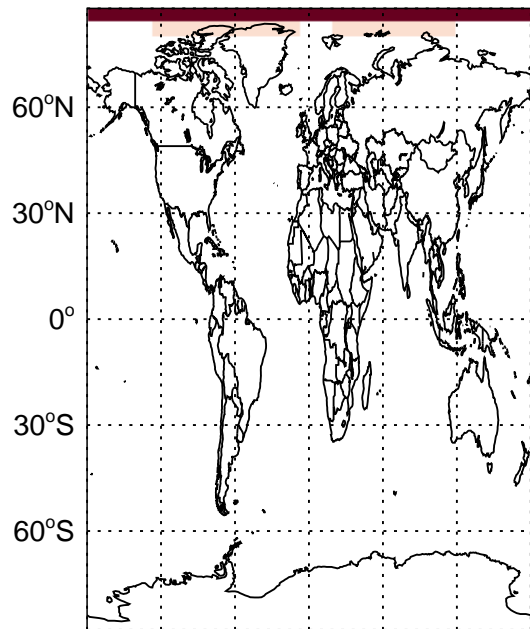
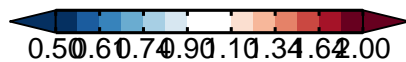
v11-01k-Run0 - v11-01f-geosfp-Run0

JCCI4 - J-Value Ratio @ surface for Oct

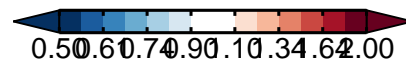
JCCI4 - J-Value Ratio @ 500 hPa for Oct



180° 120°W 60°W 0° 60°E 120°E 180°



180° 120°W 60°W 0° 60°E 120°E 180°



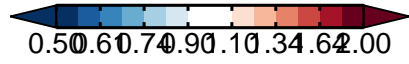
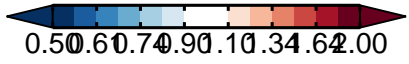
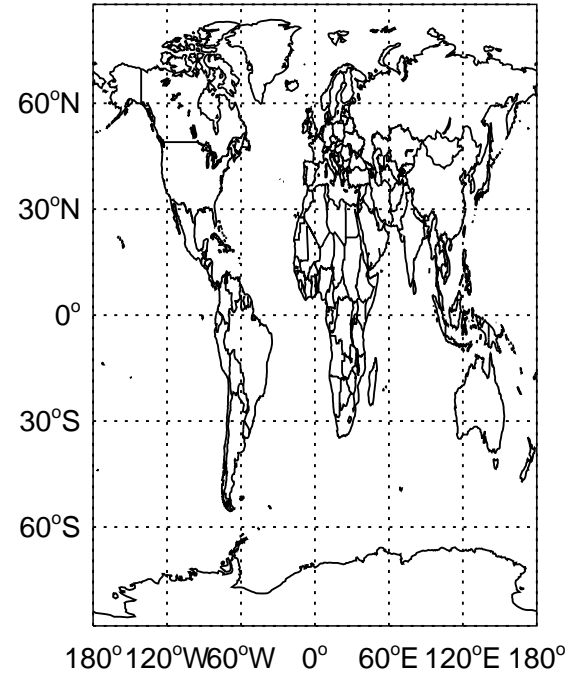
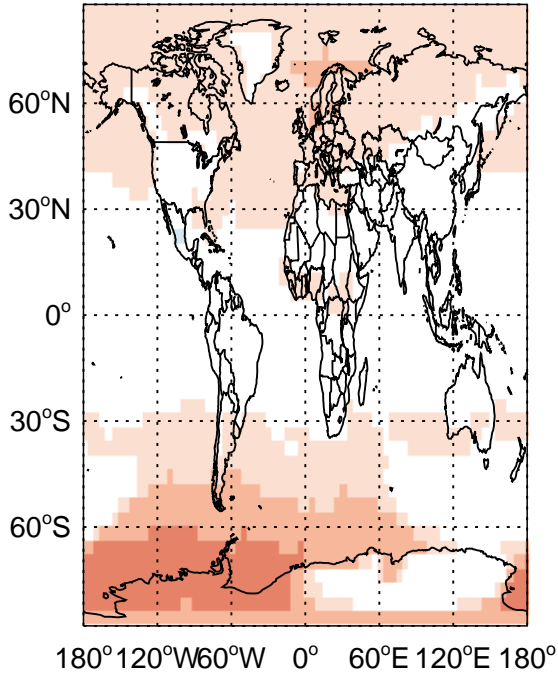
GEOS-Chem J-Values at surface and 500 hPa

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

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

JCH3Cl - J-Value Ratio @ surface for Oct

JCH3Cl - J-Value Ratio @ 500 hPa for Oct

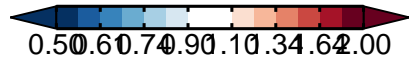
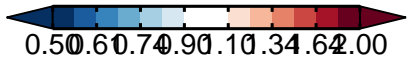
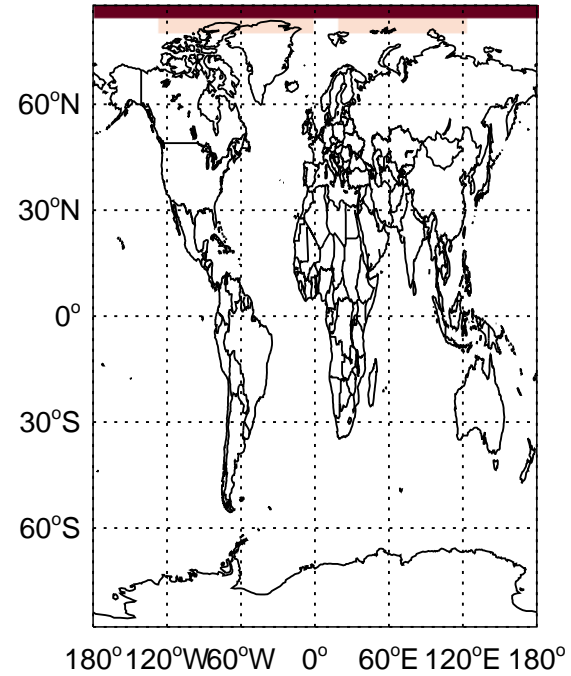
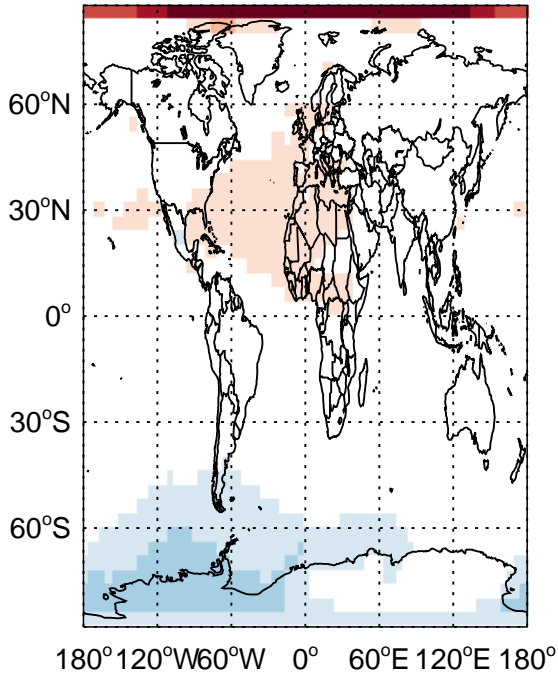


v11-01k-Run0 - v11-01f-geosfp-Run0

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

JCH3Cl - J-Value Ratio @ surface for Oct

JCH3Cl - J-Value Ratio @ 500 hPa for Oct



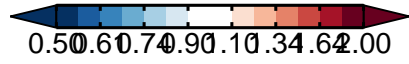
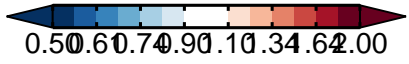
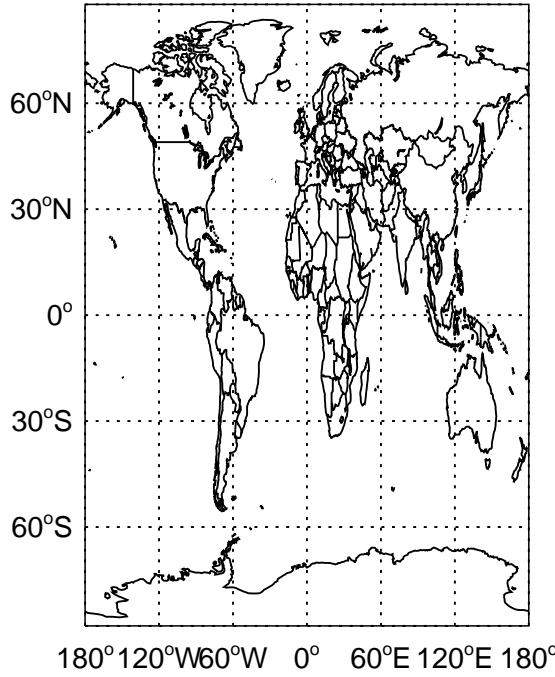
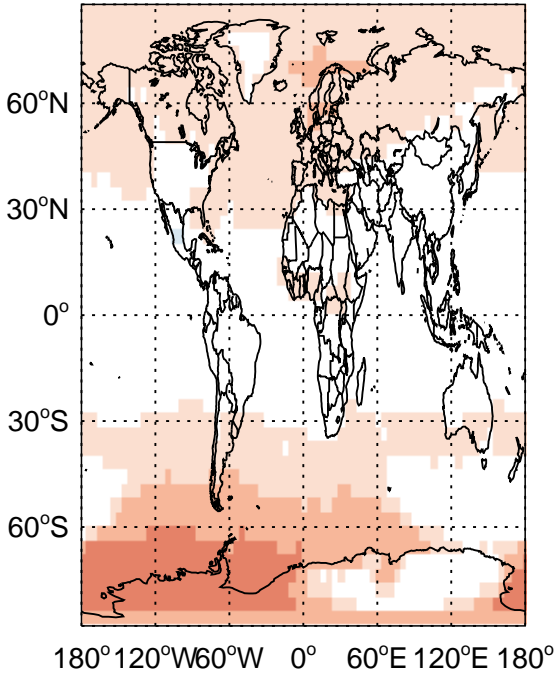
GEOS-Chem J-Values at surface and 500 hPa

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

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

JCFC11 - J-Value Ratio @ surface for Oct

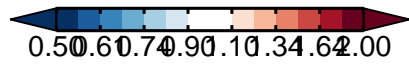
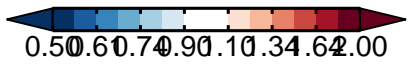
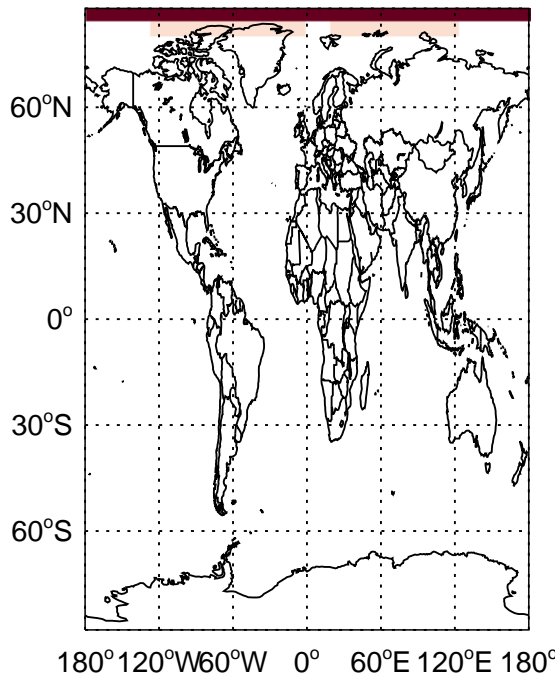
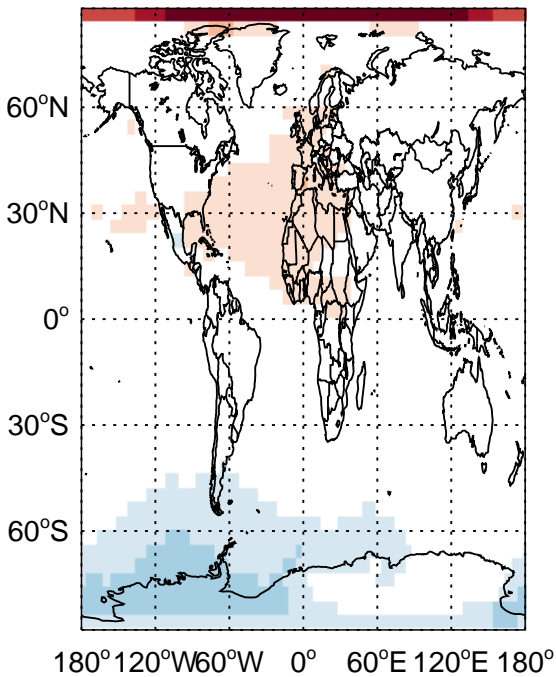
JCFC11 - J-Value Ratio @ 500 hPa for Oct



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

JCFC11 - J-Value Ratio @ surface for Oct

JCFC11 - J-Value Ratio @ 500 hPa for Oct



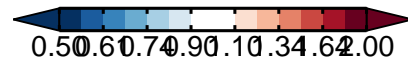
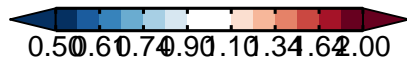
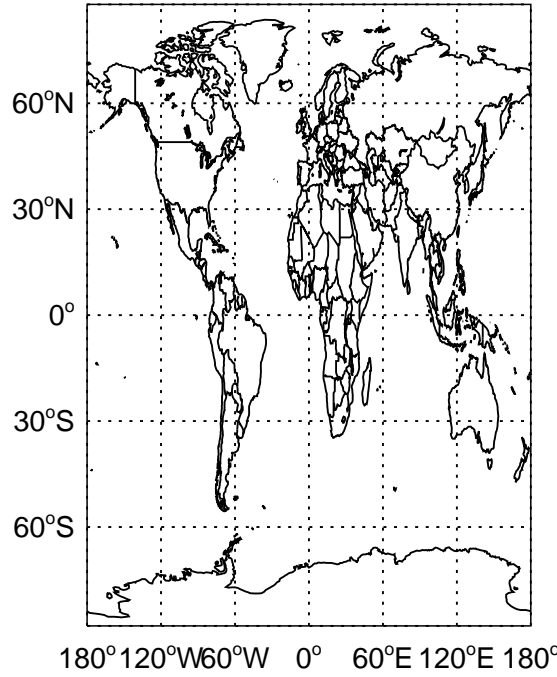
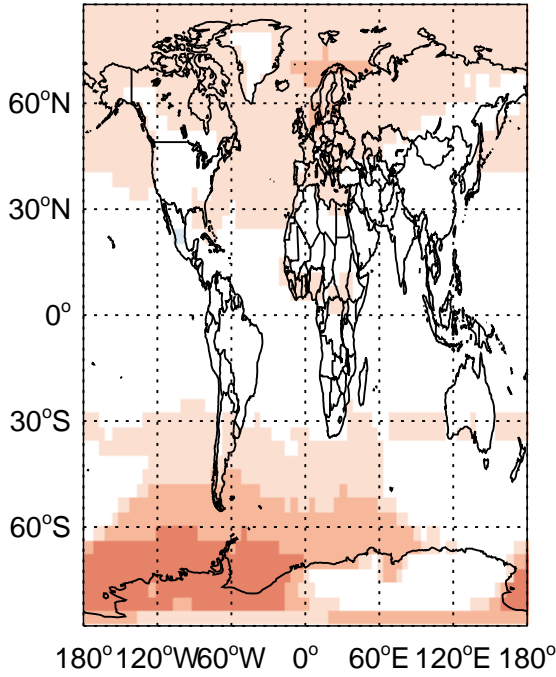
GEOS-Chem J-Values at surface and 500 hPa

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

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

JCFC12 - J-Value Ratio @ surface for Oct

JCFC12 - J-Value Ratio @ 500 hPa for Oct

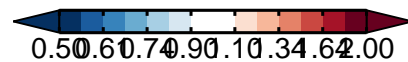
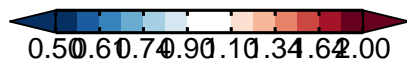
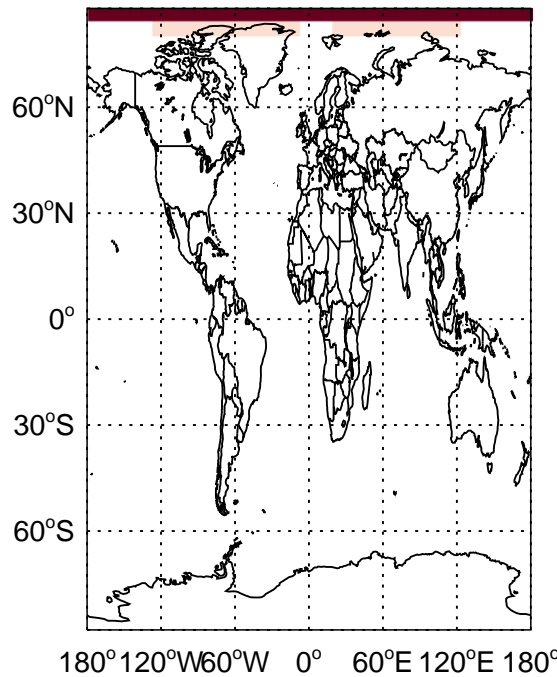
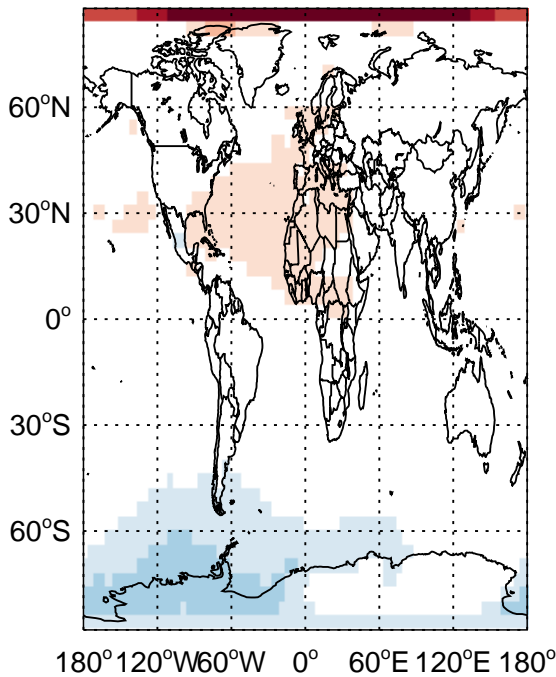


v11-01k-Run0 - v11-01f-geosfp-Run0

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

JCFC12 - J-Value Ratio @ surface for Oct

JCFC12 - J-Value Ratio @ 500 hPa for Oct



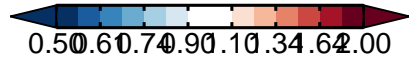
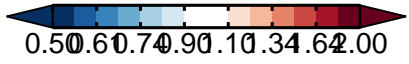
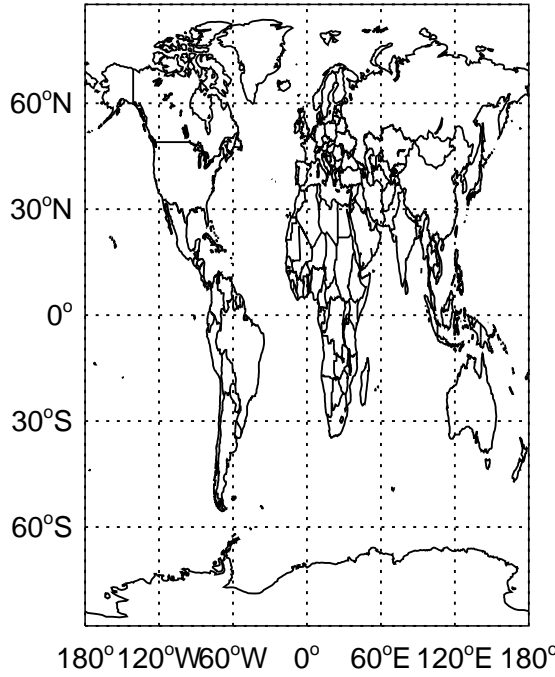
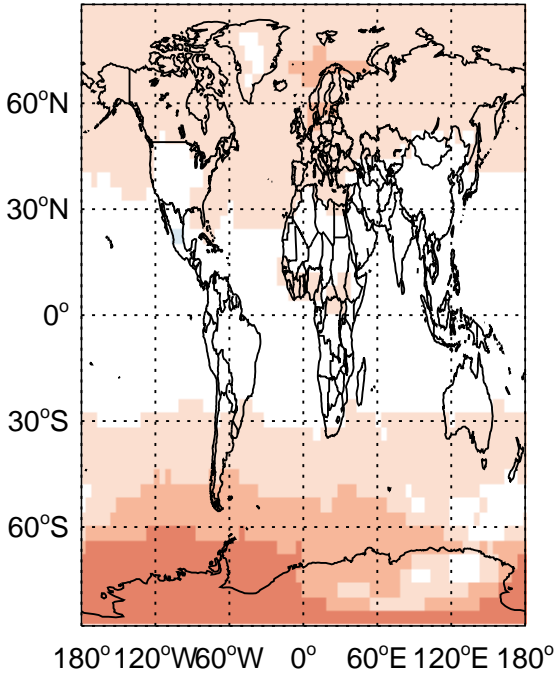
GEOS-Chem J-Values at surface and 500 hPa

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

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

JO₂ - J-Value Ratio @ surface for Oct

JO₂ - J-Value Ratio @ 500 hPa for Oct



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

JO₂ - J-Value Ratio @ surface for Oct

JO₂ - J-Value Ratio @ 500 hPa for Oct

