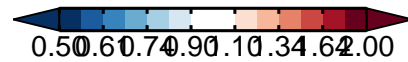
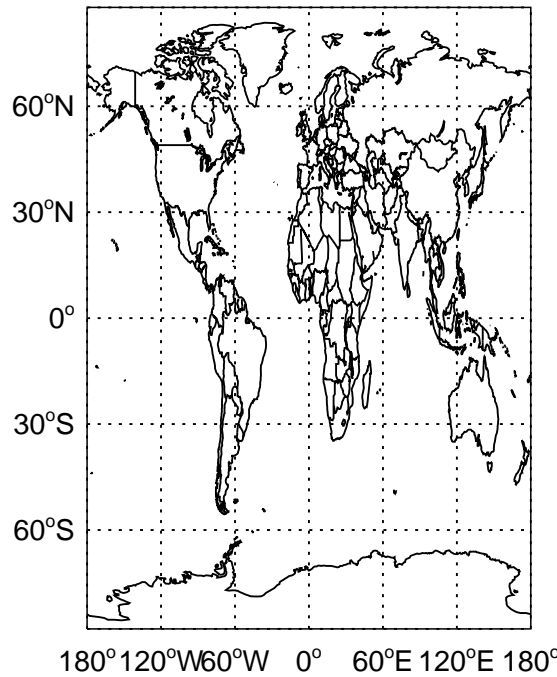
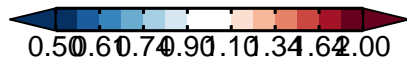
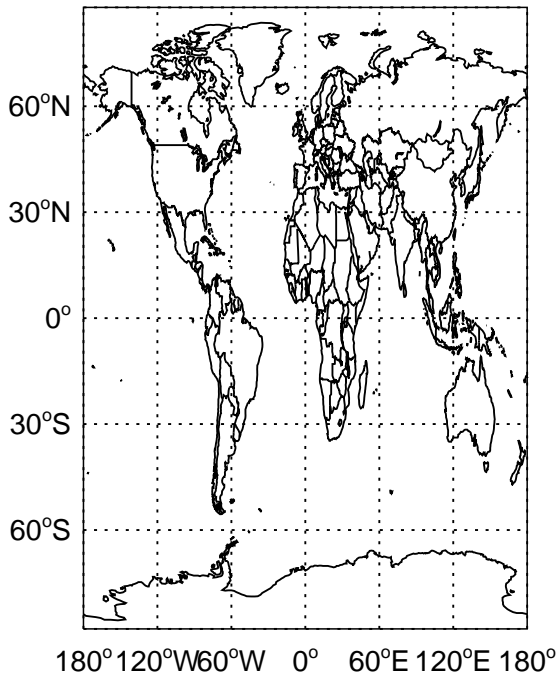


GEOS-Chem J-Values at surface and 500 hPa

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

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

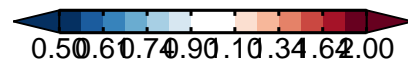
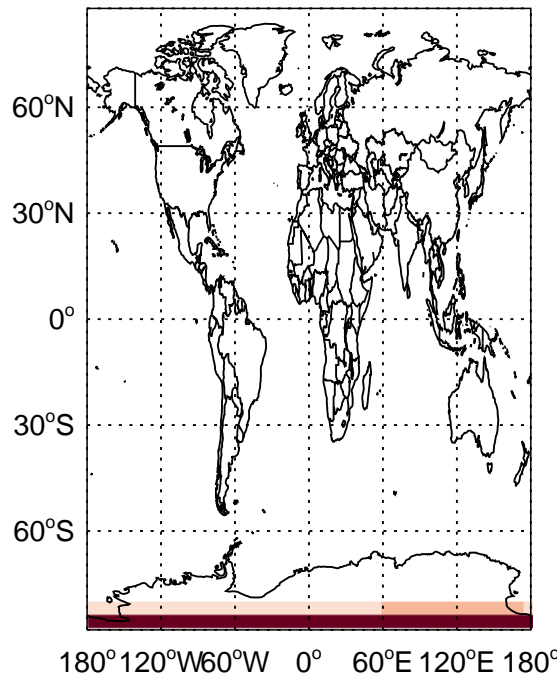
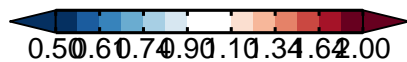
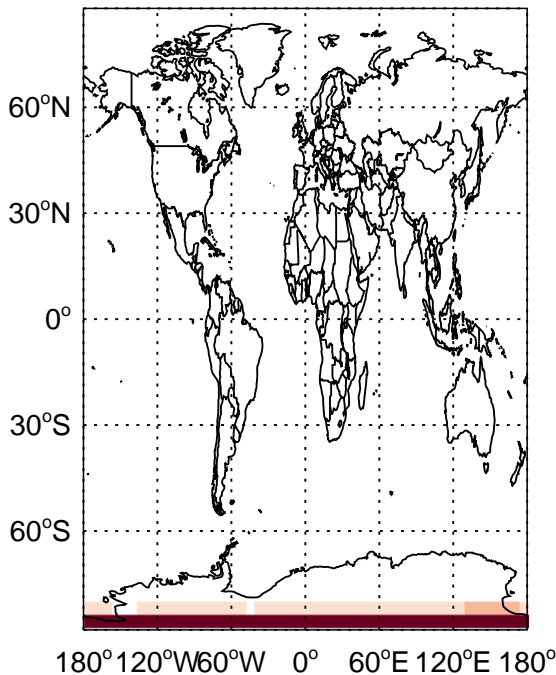
JNO - J-Value Ratio @ surface for ApNO - J-Value Ratio @ 500 hPa for Apr



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

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

JNO - J-Value Ratio @ surface for ApNO - J-Value Ratio @ 500 hPa for Apr



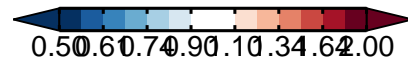
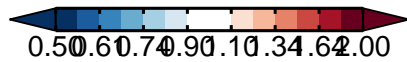
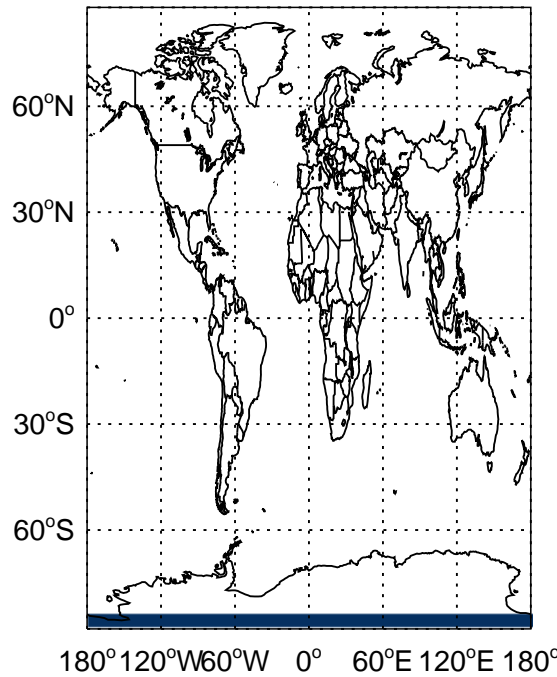
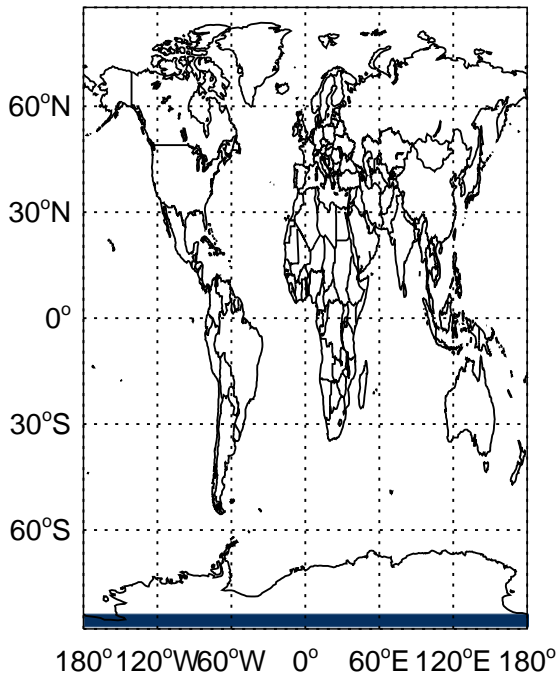
GEOS-Chem J-Values at surface and 500 hPa

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

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

JO3_O1D - J-Value Ratio @ surface

JO3_O1D - J-Value Ratio @ 500 hPa for Apr

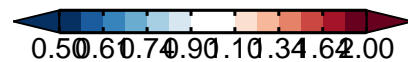
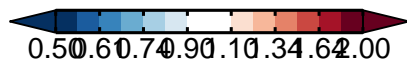
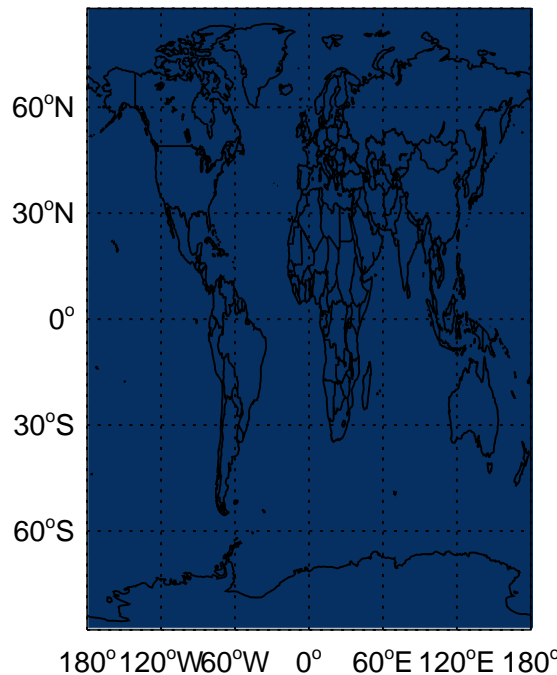
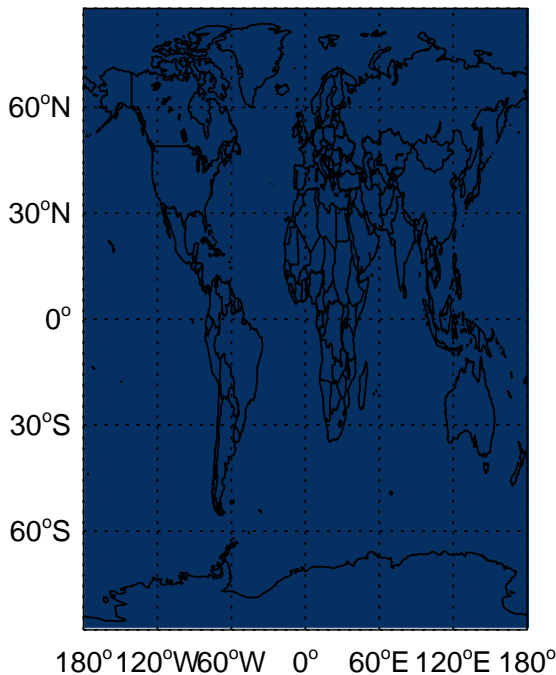


v11-01k-Run0 - v11-01f-geosfp-Run0

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

JO3_O1D - J-Value Ratio @ surface

JO3_O1D - J-Value Ratio @ 500 hPa for Apr



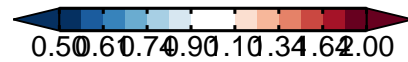
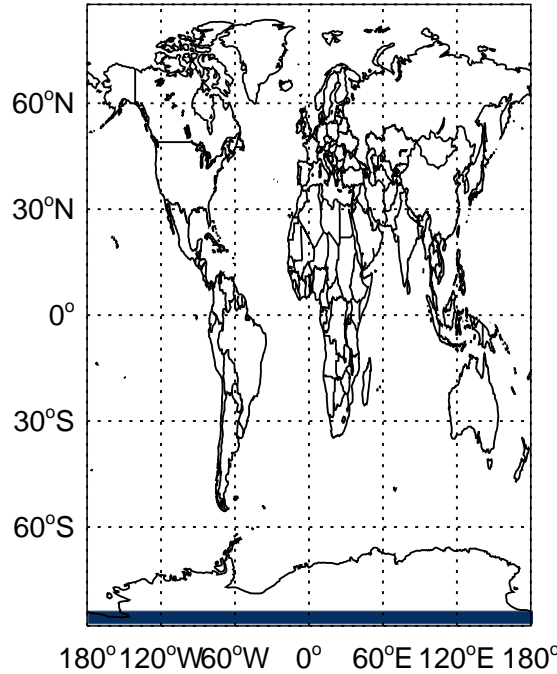
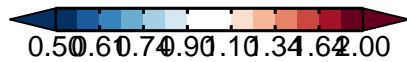
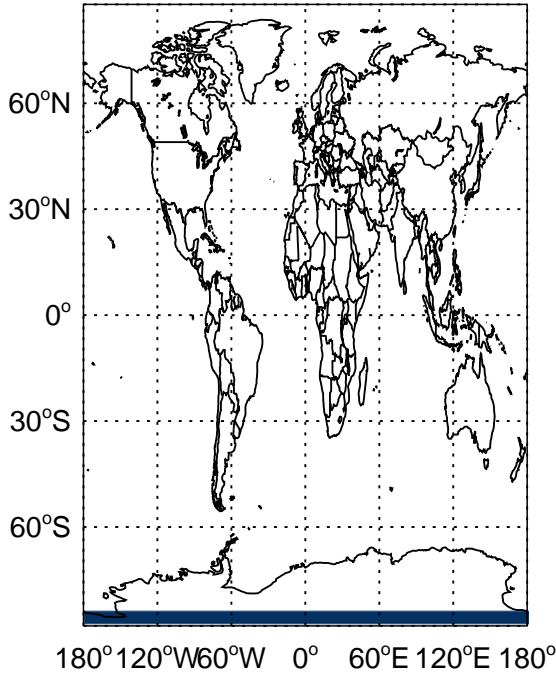
GEOS-Chem J-Values at surface and 500 hPa

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 Apr

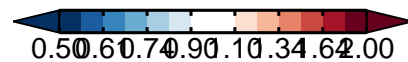
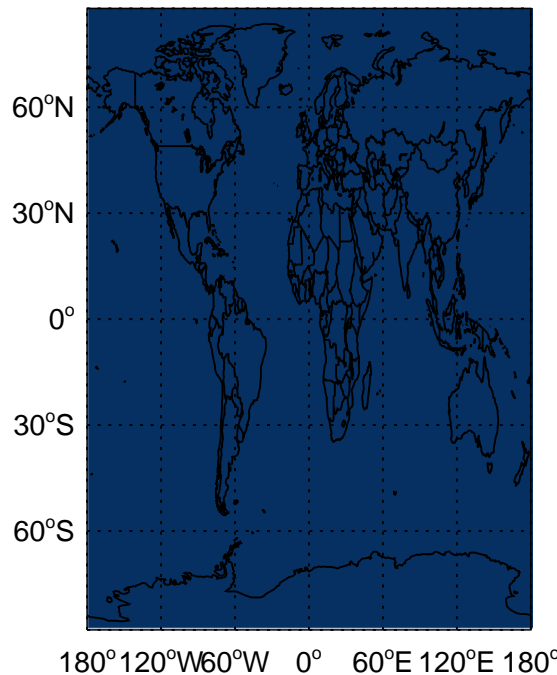
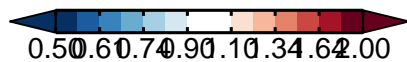
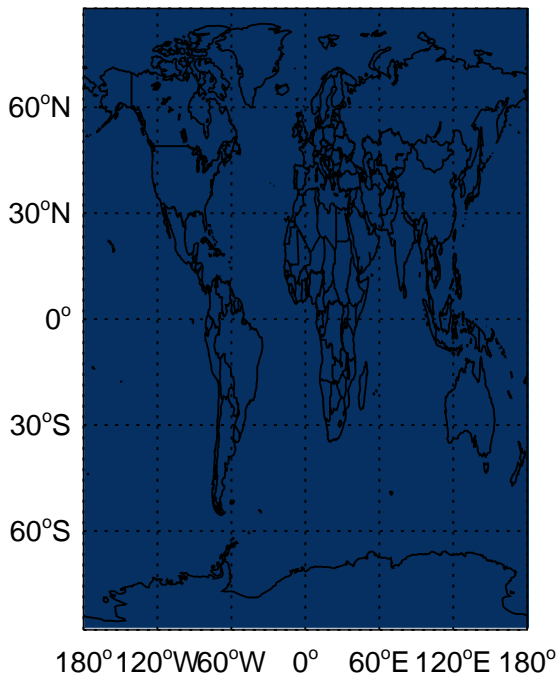


v11-01k-Run0 - v11-01f-geosfp-Run0

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

JO3_O3P - J-Value Ratio @ surface

JO3_O3P - J-Value Ratio @ 500 hPa for Apr



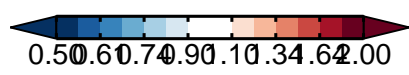
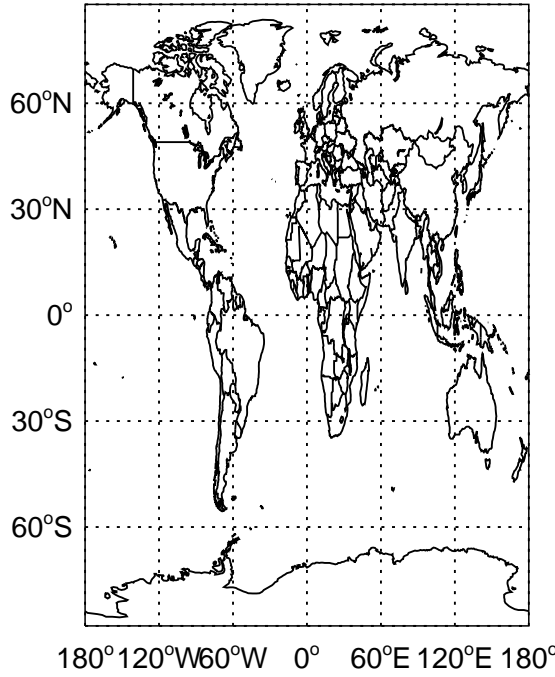
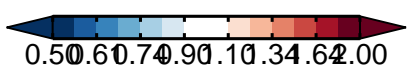
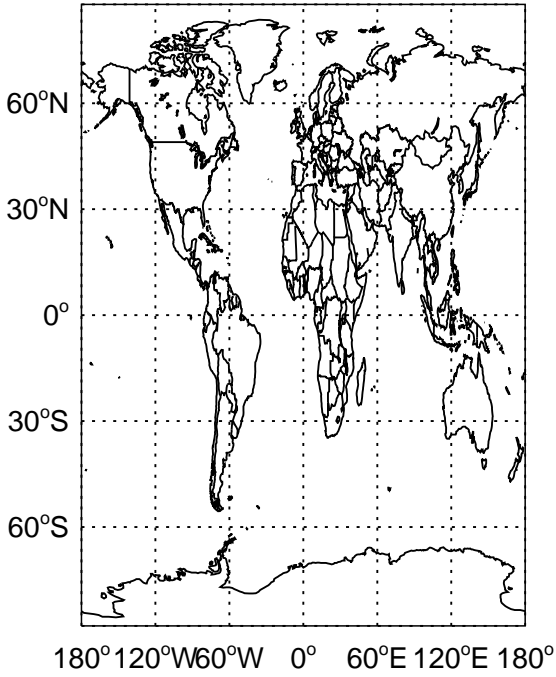
GEOS-Chem J-Values at surface and 500 hPa

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

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

JHNO3 - J-Value Ratio @ surface for Apr

JHNO3 - J-Value Ratio @ 500 hPa for Apr

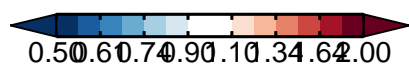
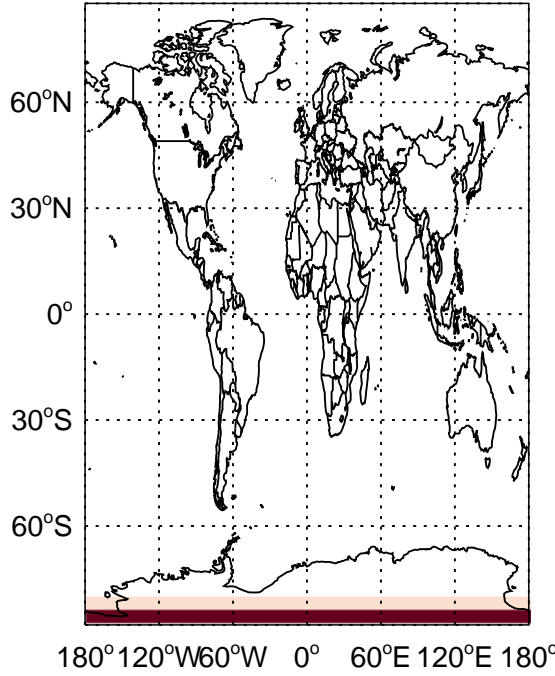
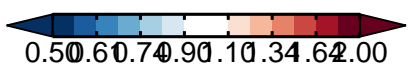
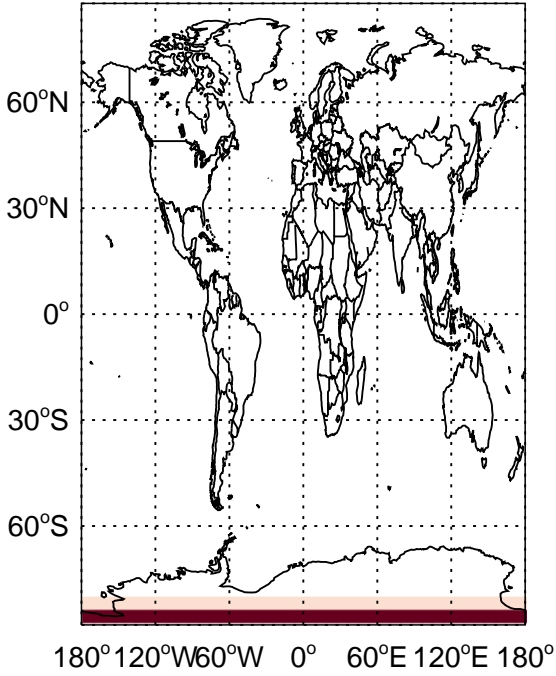


v11-01k-Run0 - v11-01f-geosfp-Run0

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

JHNO3 - J-Value Ratio @ surface for Apr

JHNO3 - J-Value Ratio @ 500 hPa for Apr



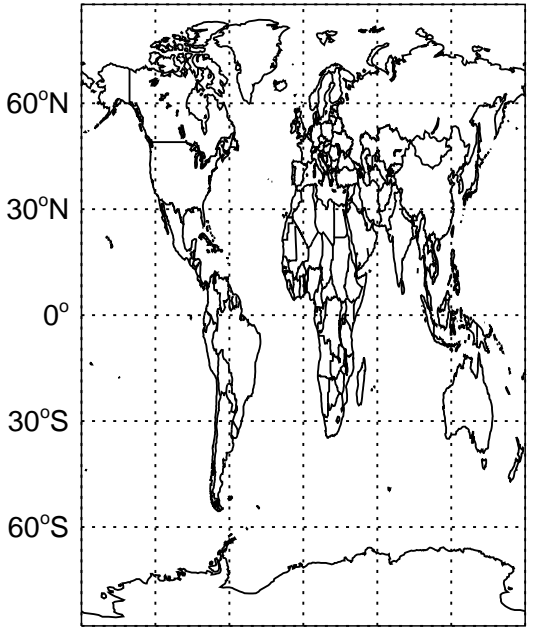
GEOS-Chem J-Values at surface and 500 hPa

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

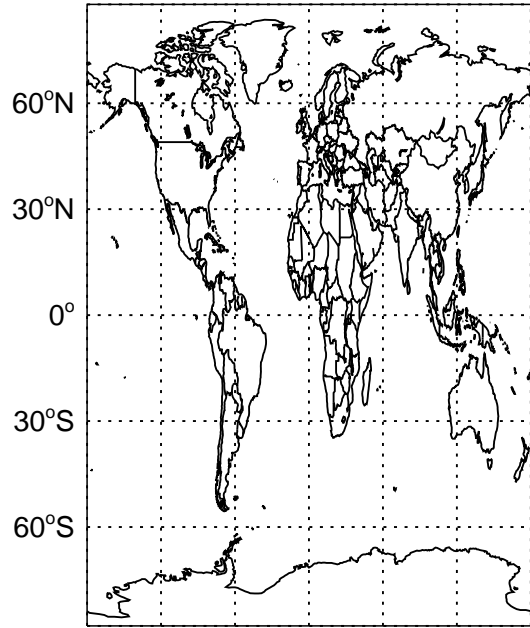
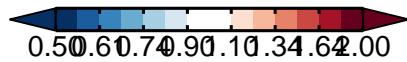
v11-01k-Run0 - v11-01g-Run0

JH2O2 - J-Value Ratio @ surface for Apr

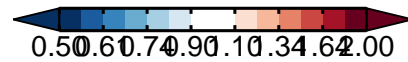
JH2O2 - J-Value Ratio @ 500 hPa for Apr



180° 120°W 60°W 0° 60°E 120°E 180°



180° 120°W 60°W 0° 60°E 120°E 180°

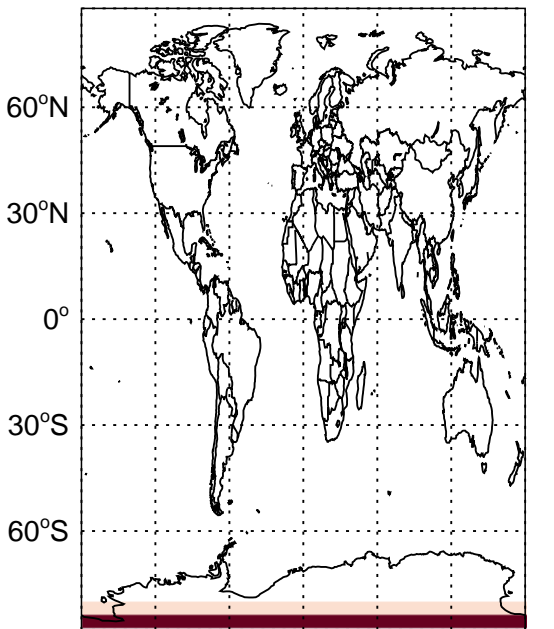


v11-01k-Run0 - v11-01f-geosfp-Run0

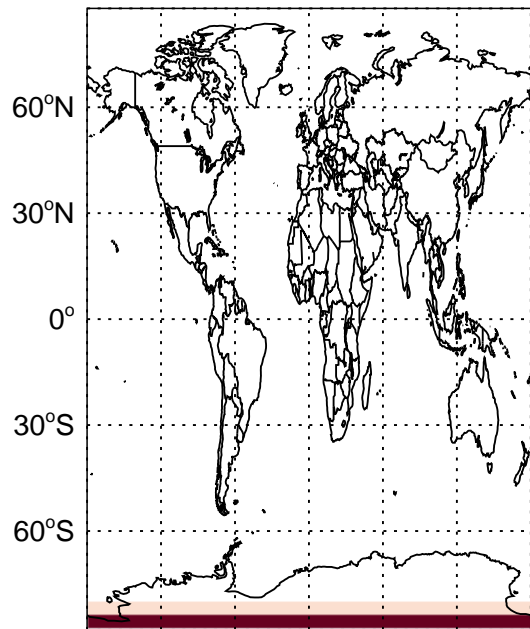
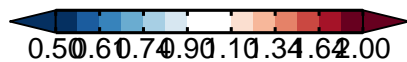
v11-01k-Run0 - v11-01f-geosfp-Run0

JH2O2 - J-Value Ratio @ surface for Apr

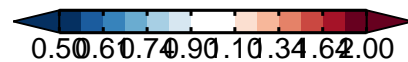
JH2O2 - J-Value Ratio @ 500 hPa for Apr



180° 120°W 60°W 0° 60°E 120°E 180°



180° 120°W 60°W 0° 60°E 120°E 180°



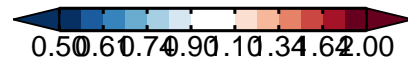
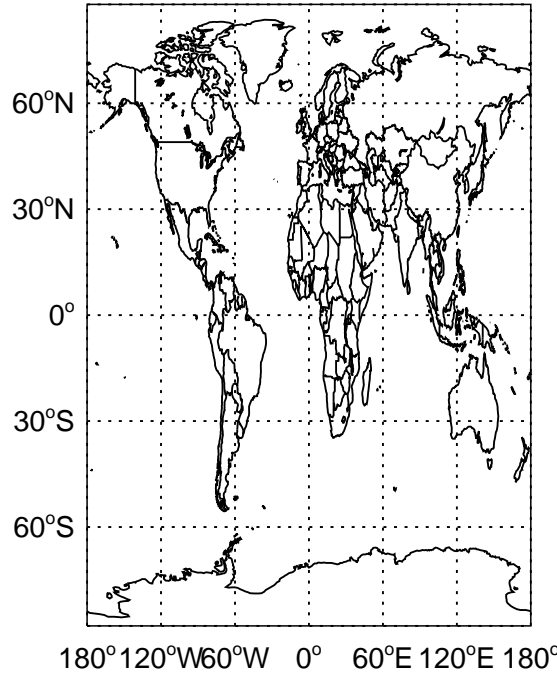
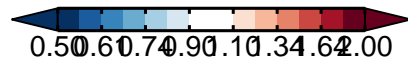
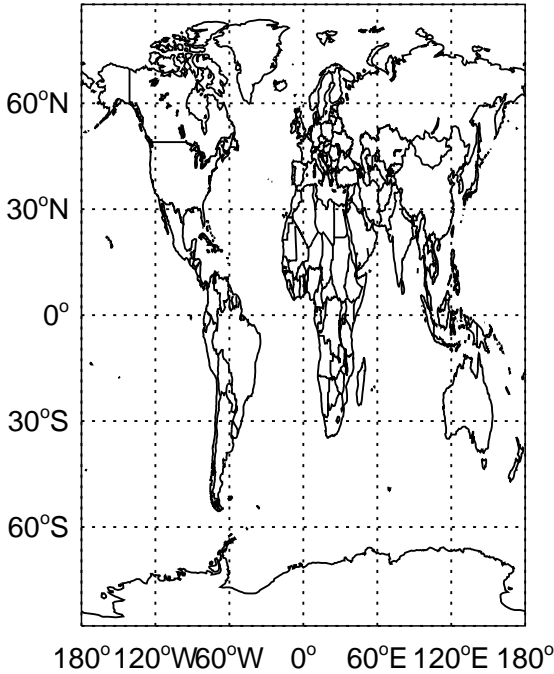
GEOS-Chem J-Values at surface and 500 hPa

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

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

JACET - J-Value Ratio @ surface for Apr

JADT - J-Value Ratio @ 500 hPa for Apr

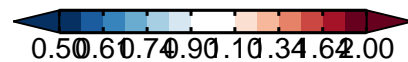
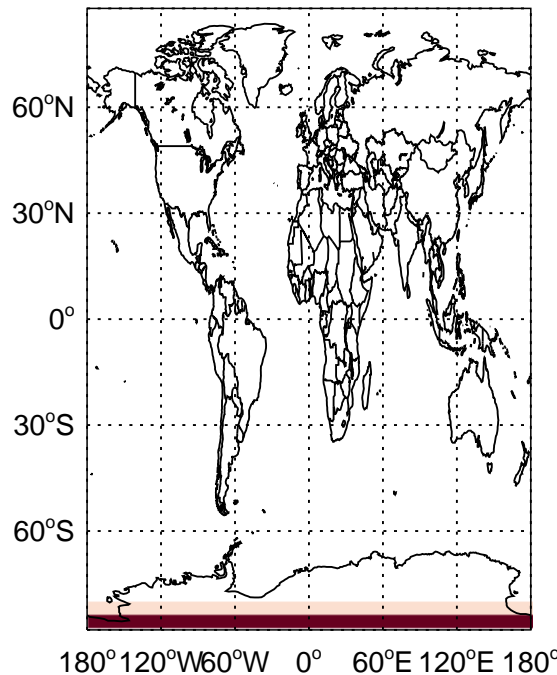
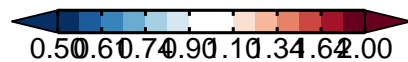
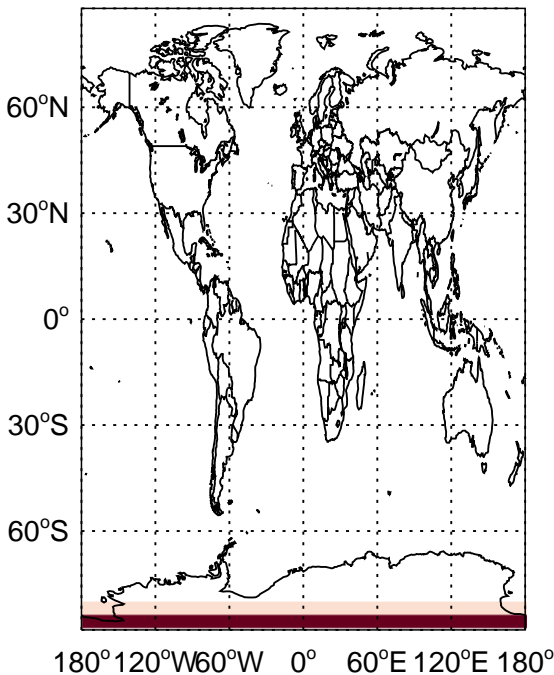


v11-01k-Run0 - v11-01f-geosfp-Run0

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

JACET - J-Value Ratio @ surface for Apr

JADT - J-Value Ratio @ 500 hPa for Apr



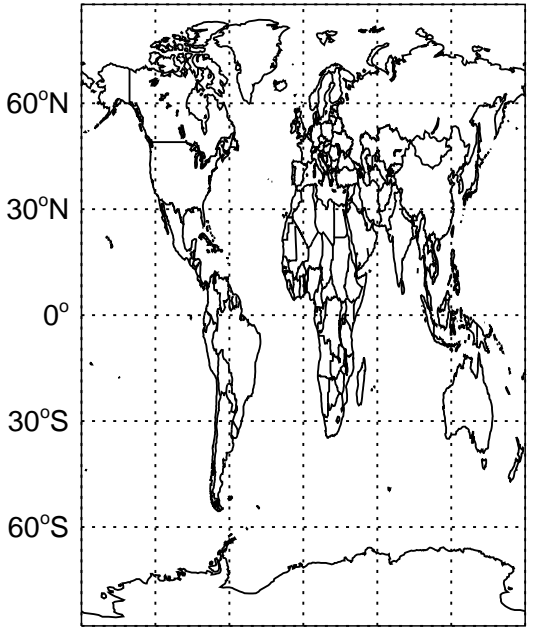
GEOS-Chem J-Values at surface and 500 hPa

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

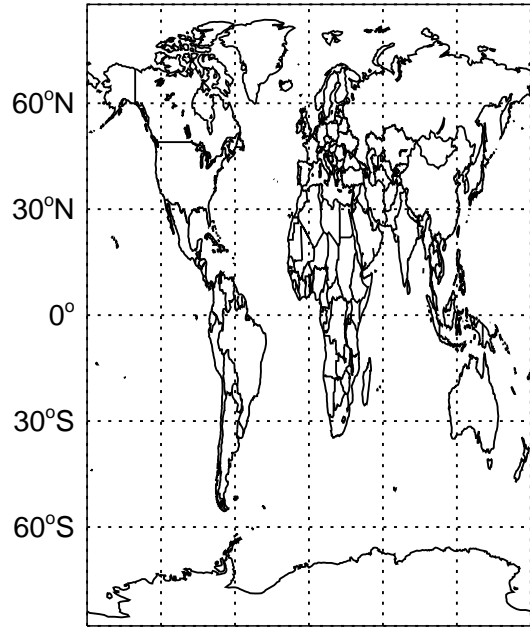
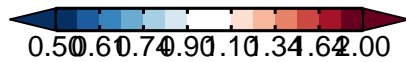
v11-01k-Run0 - v11-01g-Run0

JALD2 - J-Value Ratio @ surface for Apr

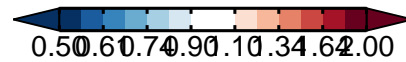
JALD2 - J-Value Ratio @ 500 hPa for Apr



180° 120°W 60°W 0° 60°E 120°E 180°



180° 120°W 60°W 0° 60°E 120°E 180°

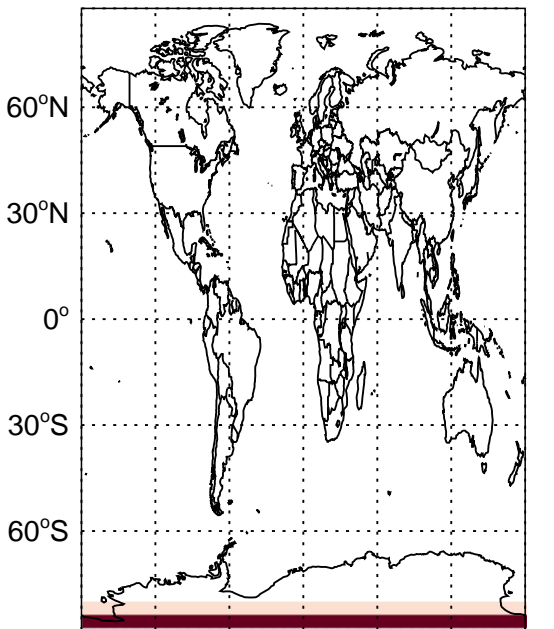


v11-01k-Run0 - v11-01f-geosfp-Run0

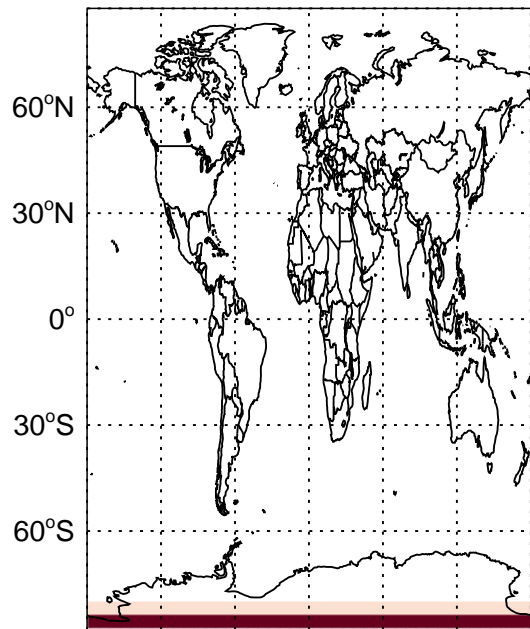
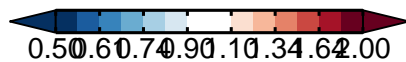
v11-01k-Run0 - v11-01f-geosfp-Run0

JALD2 - J-Value Ratio @ surface for Apr

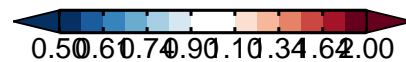
JALD2 - J-Value Ratio @ 500 hPa for Apr



180° 120°W 60°W 0° 60°E 120°E 180°



180° 120°W 60°W 0° 60°E 120°E 180°



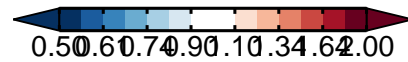
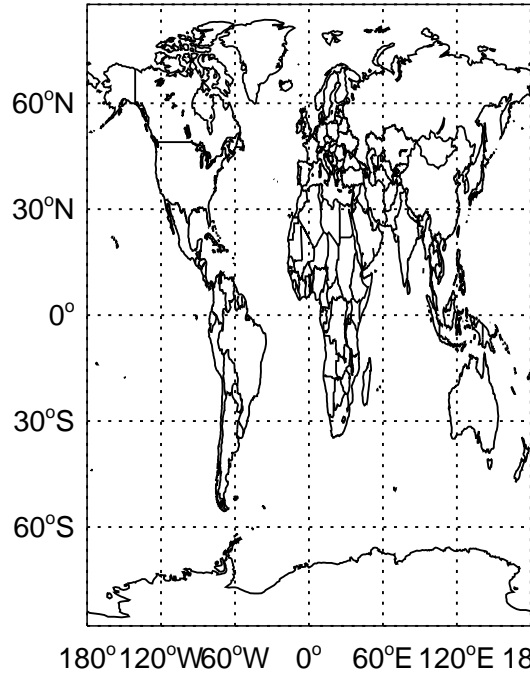
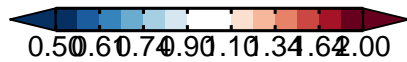
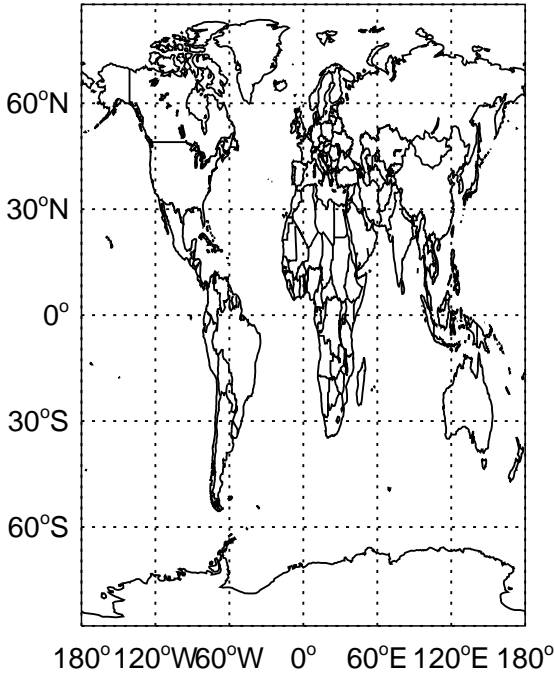
GEOS-Chem J-Values at surface and 500 hPa

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

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

JMVK - J-Value Ratio @ surface for Apr

JMVK - J-Value Ratio @ 500 hPa for Apr

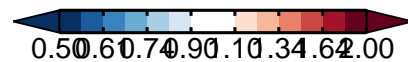
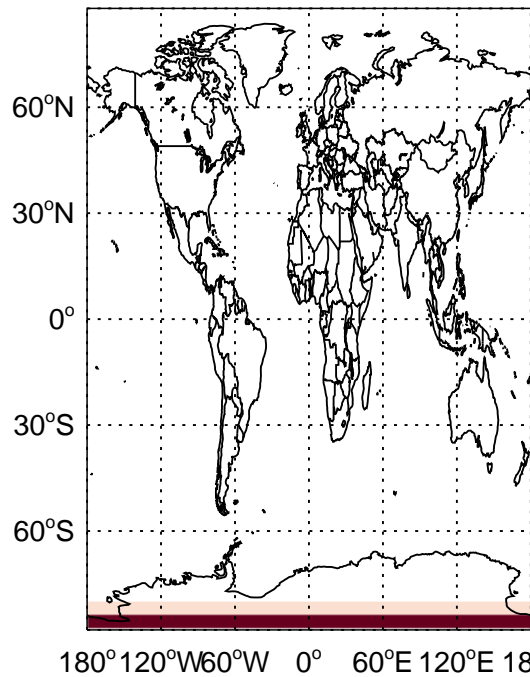
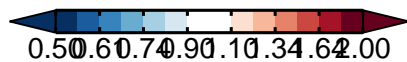
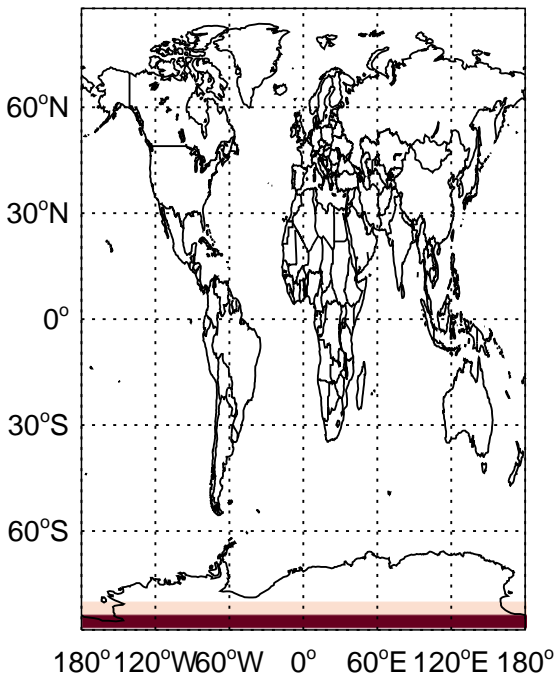


v11-01k-Run0 - v11-01f-geosfp-Run0

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

JMVK - J-Value Ratio @ surface for Apr

JMVK - J-Value Ratio @ 500 hPa for Apr



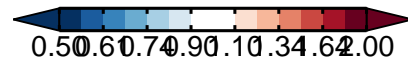
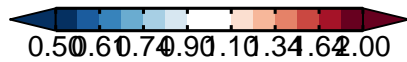
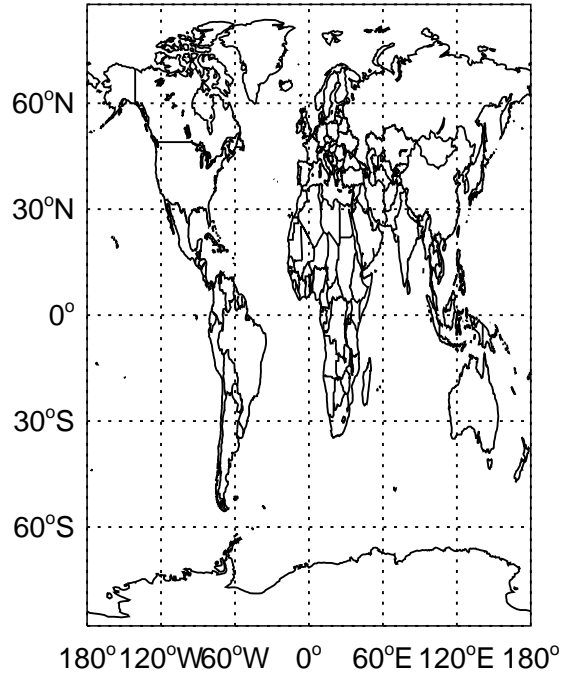
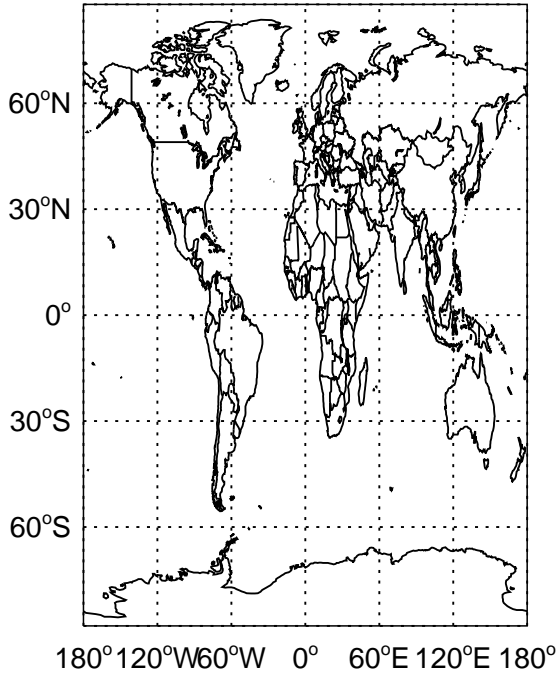
GEOS-Chem J-Values at surface and 500 hPa

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

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

JMACR - J-Value Ratio @ surface for Apr

JMACR - J-Value Ratio @ 500 hPa for Apr

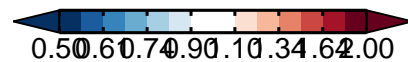
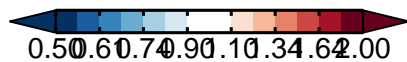
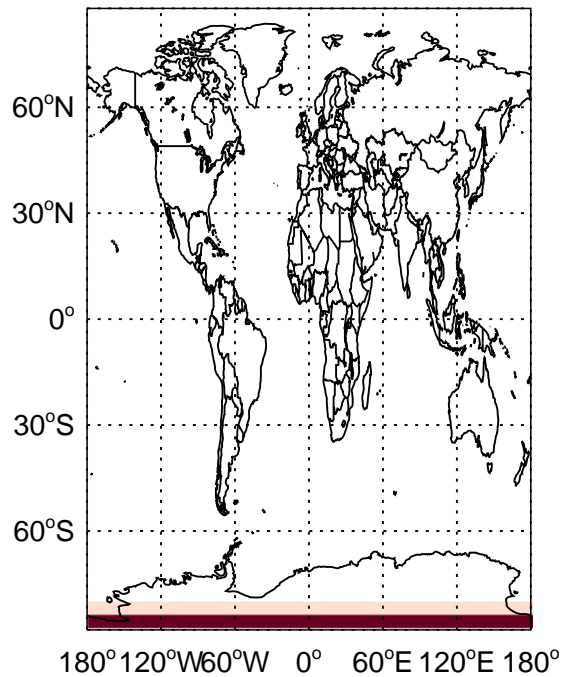
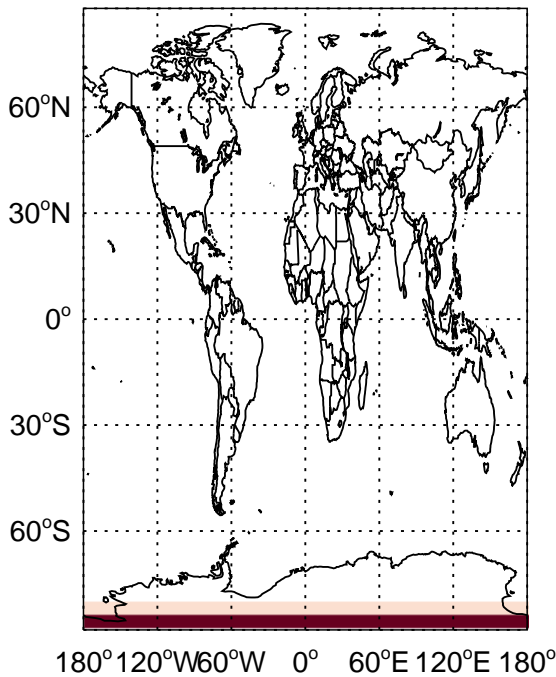


v11-01k-Run0 - v11-01f-geosfp-Run0

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

JMACR - J-Value Ratio @ surface for Apr

JMACR - J-Value Ratio @ 500 hPa for Apr



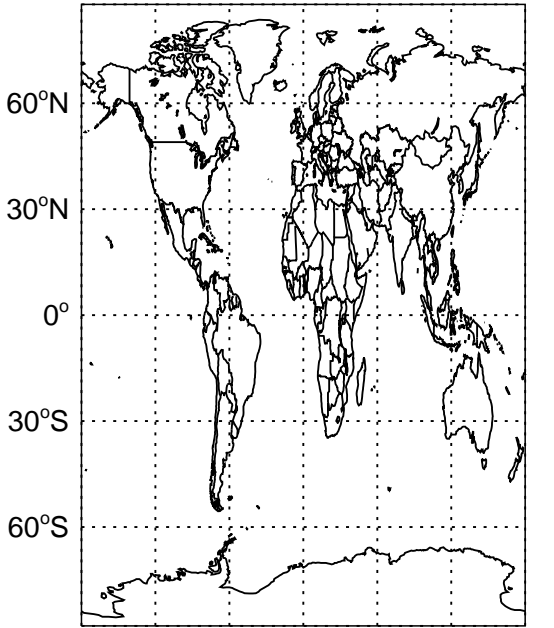
GEOS-Chem J-Values at surface and 500 hPa

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

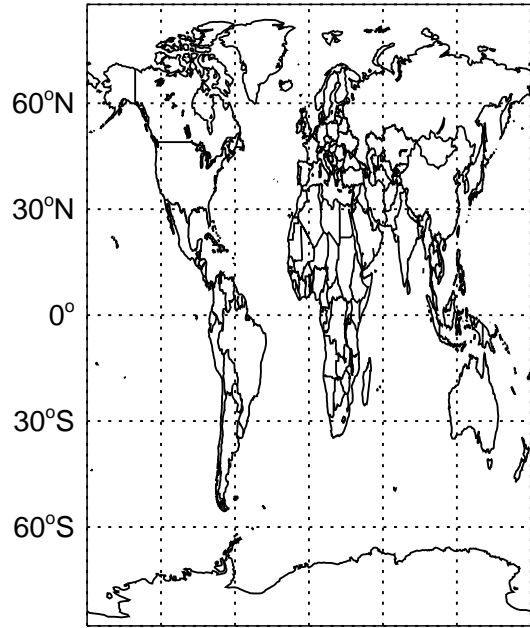
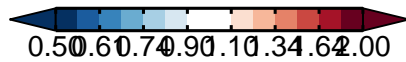
v11-01k-Run0 - v11-01g-Run0

JCH₂O - J-Value Ratio @ surface for Apr

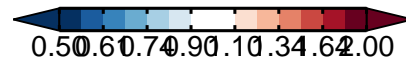
JCH₂O - J-Value Ratio @ 500 hPa for Apr



180° 120°W 60°W 0° 60°E 120°E 180°



180° 120°W 60°W 0° 60°E 120°E 180°

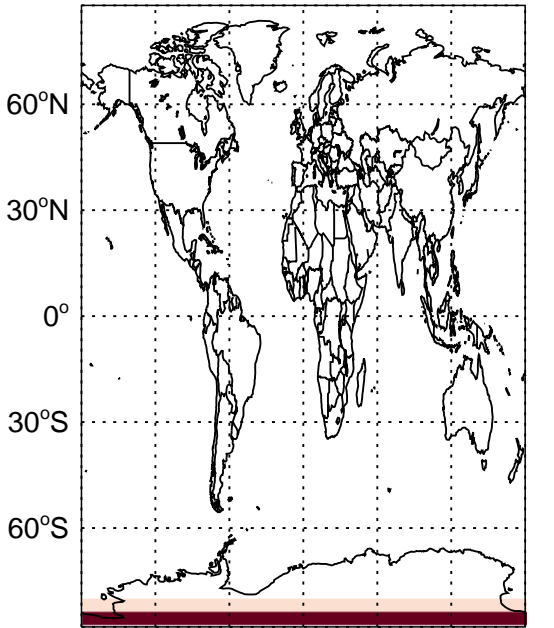


v11-01k-Run0 - v11-01f-geosfp-Run0

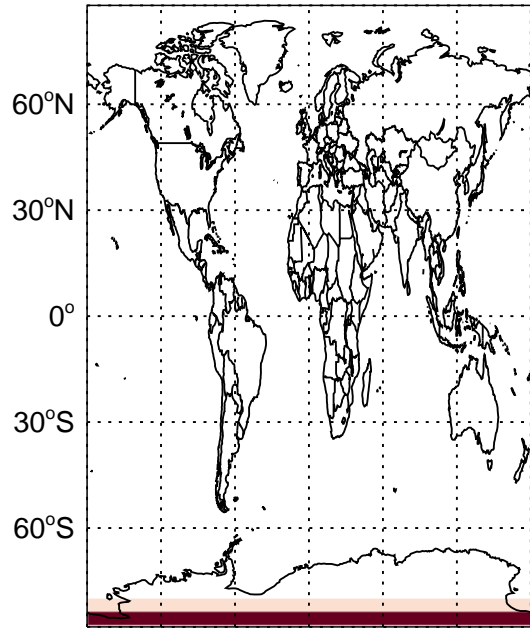
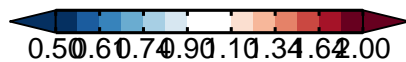
v11-01k-Run0 - v11-01f-geosfp-Run0

JCH₂O - J-Value Ratio @ surface for Apr

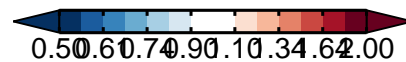
JCH₂O - J-Value Ratio @ 500 hPa for Apr



180° 120°W 60°W 0° 60°E 120°E 180°



180° 120°W 60°W 0° 60°E 120°E 180°



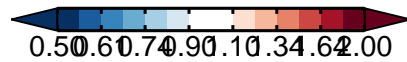
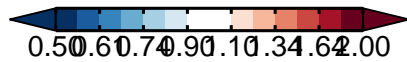
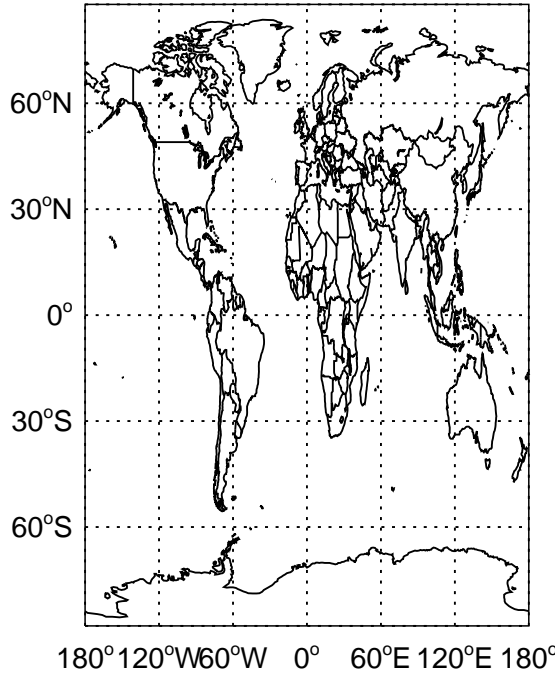
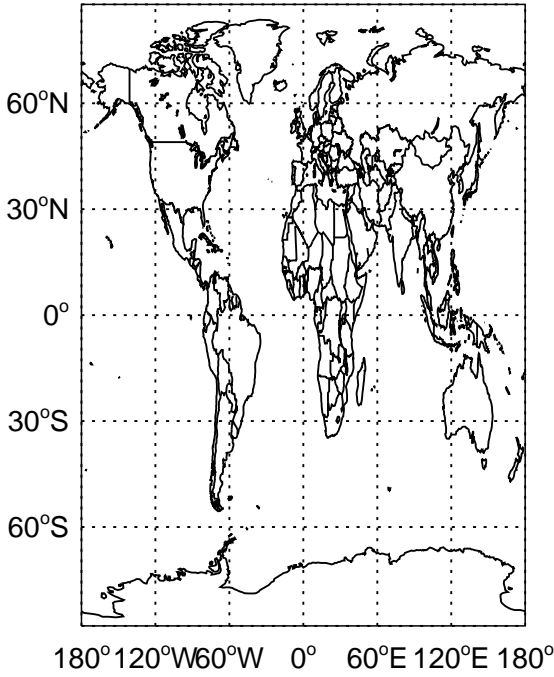
GEOS-Chem J-Values at surface and 500 hPa

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

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

JBr2 - J-Value Ratio @ surface for Apr

JBr2 - J-Value Ratio @ 500 hPa for Apr

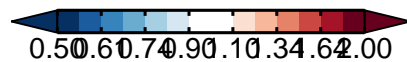
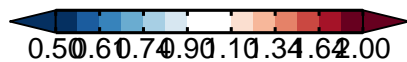
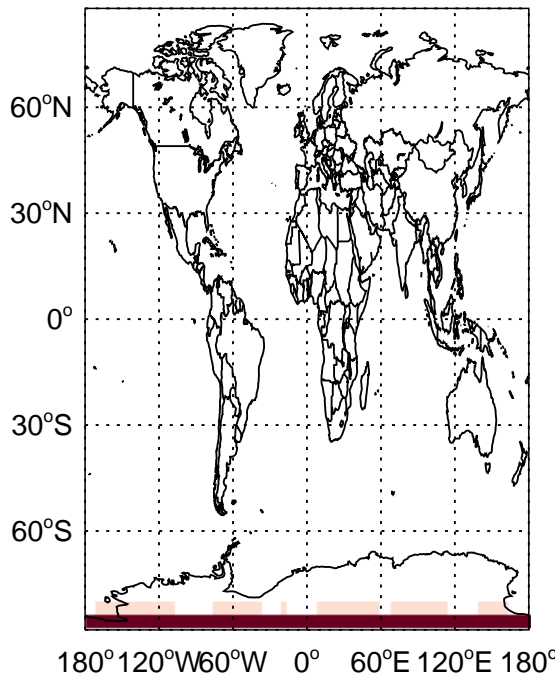
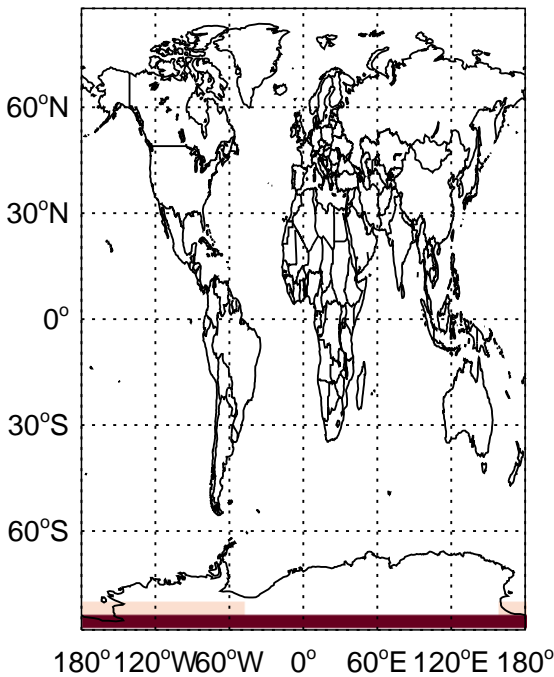


v11-01k-Run0 - v11-01f-geosfp-Run0

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

JBr2 - J-Value Ratio @ surface for Apr

JBr2 - J-Value Ratio @ 500 hPa for Apr



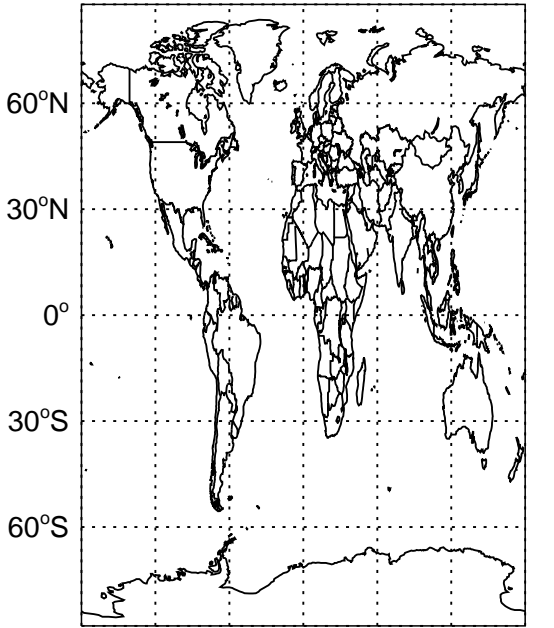
GEOS-Chem J-Values at surface and 500 hPa

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

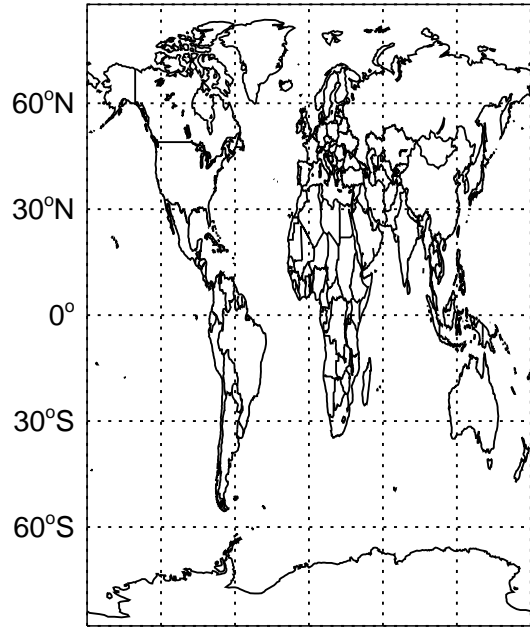
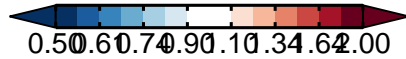
v11-01k-Run0 - v11-01g-Run0

JBrO - J-Value Ratio @ surface for Apr

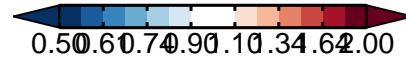
JBrO - J-Value Ratio @ 500 hPa for Apr



180° 120°W 60°W 0° 60°E 120°E 180°



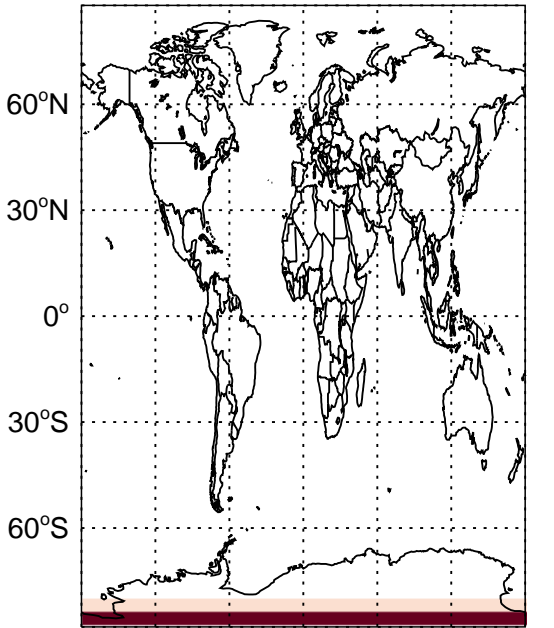
180° 120°W 60°W 0° 60°E 120°E 180°



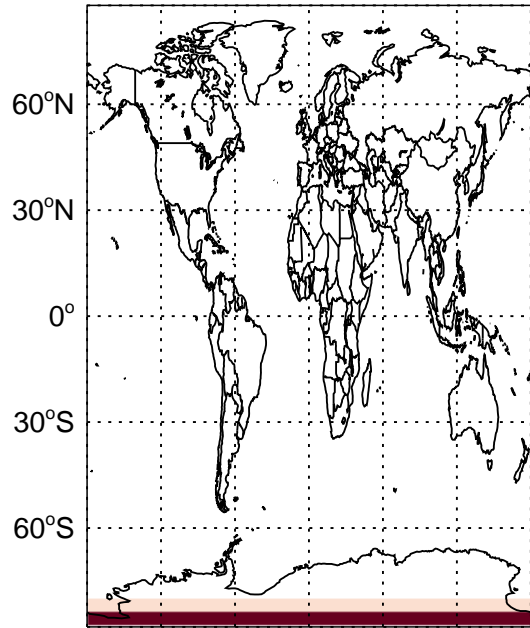
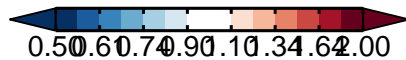
v11-01k-Run0 - v11-01f-geosfp-Run0 v11-01k-Run0 - v11-01f-geosfp-Run0

JBrO - J-Value Ratio @ surface for Apr

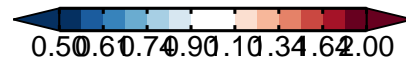
JBrO - J-Value Ratio @ 500 hPa for Apr



180° 120°W 60°W 0° 60°E 120°E 180°



180° 120°W 60°W 0° 60°E 120°E 180°



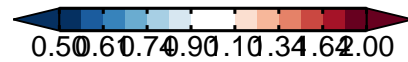
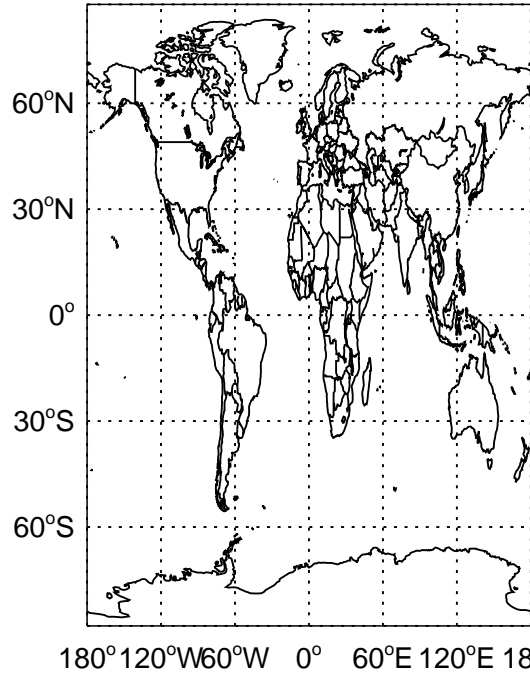
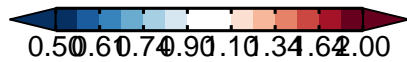
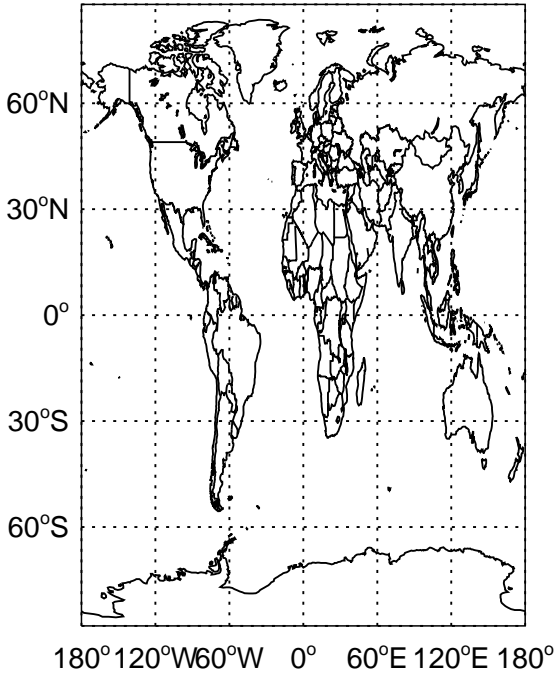
GEOS-Chem J-Values at surface and 500 hPa

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

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

JHOBr - J-Value Ratio @ surface for Apr

JHOBr - J-Value Ratio @ 500 hPa for Apr

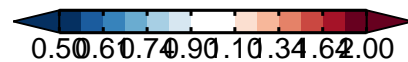
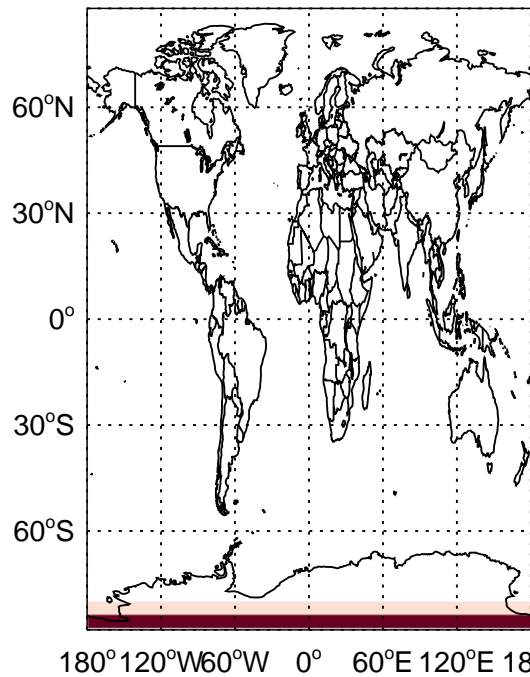
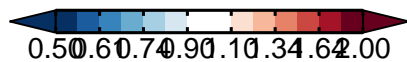
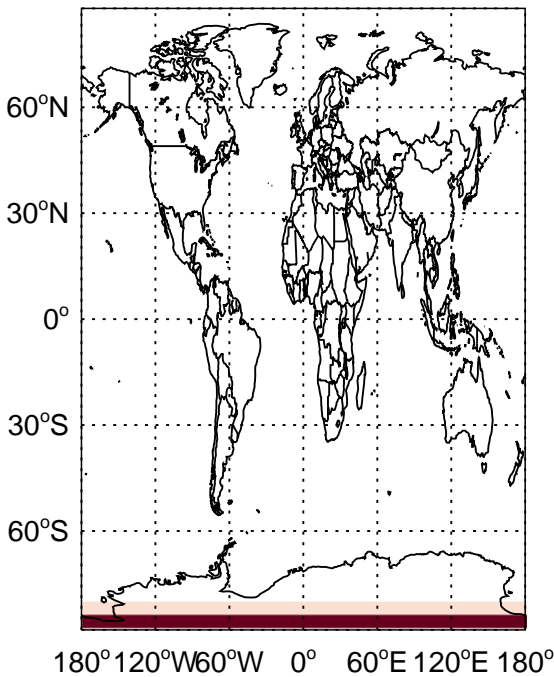


v11-01k-Run0 - v11-01f-geosfp-Run0

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

JHOBr - J-Value Ratio @ surface for Apr

JHOBr - J-Value Ratio @ 500 hPa for Apr



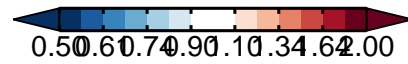
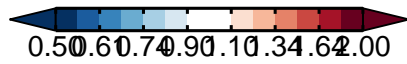
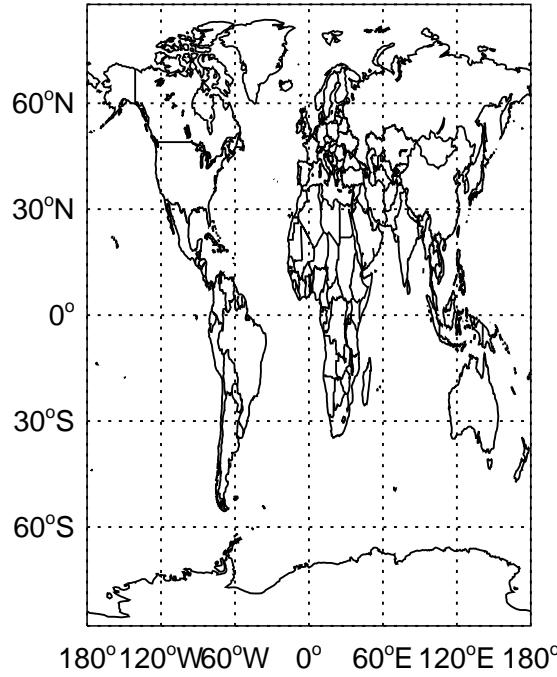
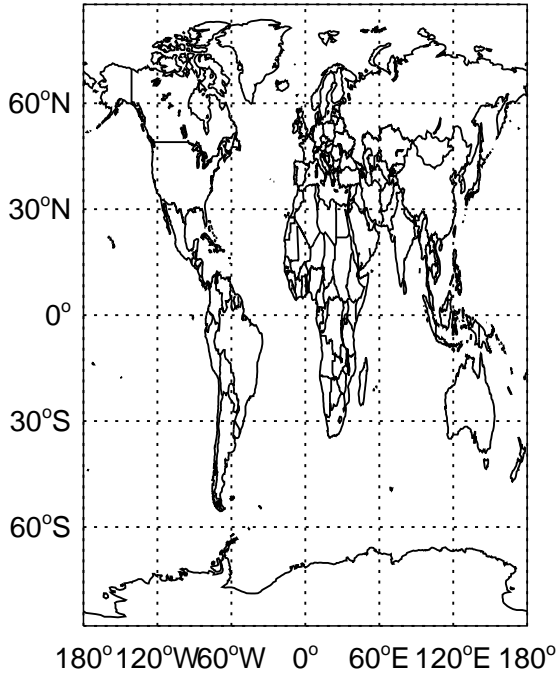
GEOS-Chem J-Values at surface and 500 hPa

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

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

JBrNO₂ - J-Value Ratio @ surface for Apr

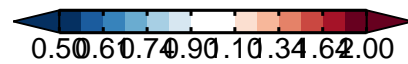
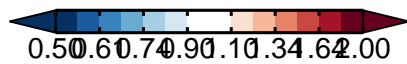
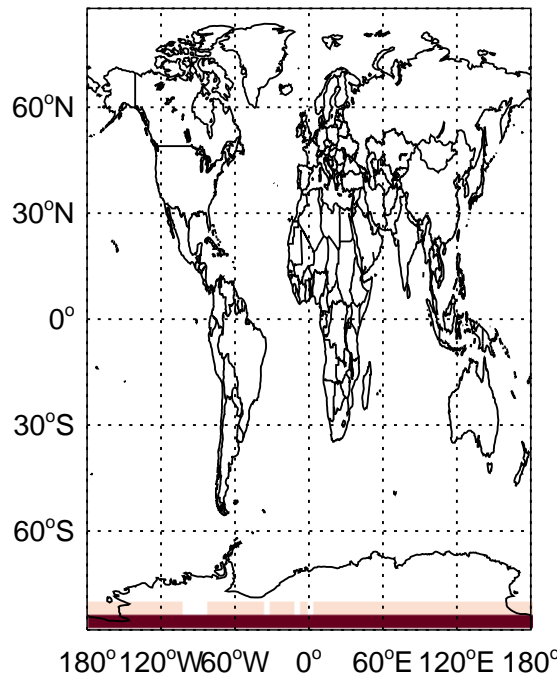
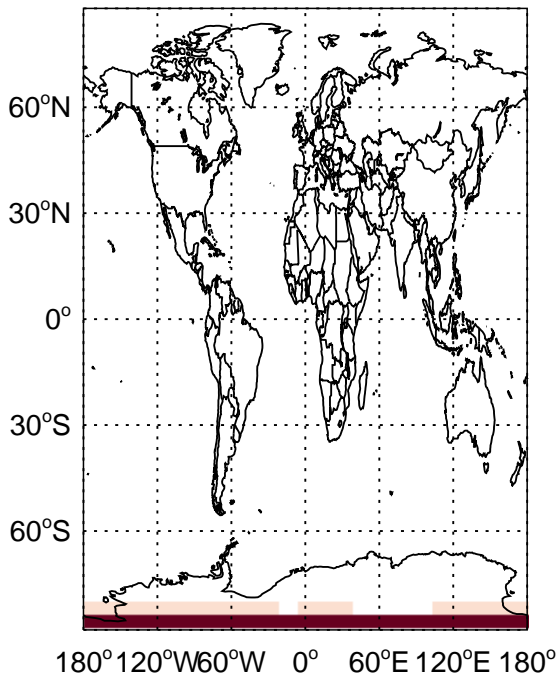
JBrNO₂ - J-Value Ratio @ 500 hPa for Apr



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

JBrNO₂ - J-Value Ratio @ surface for Apr

JBrNO₂ - J-Value Ratio @ 500 hPa for Apr



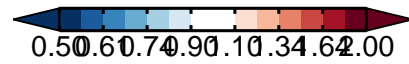
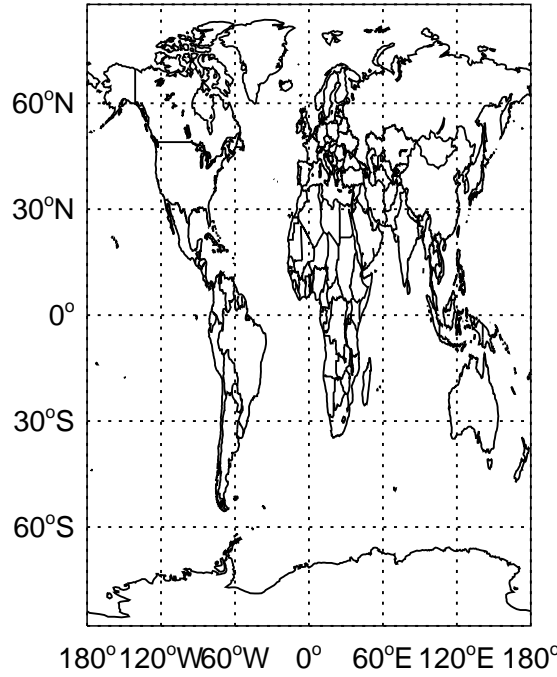
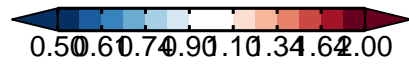
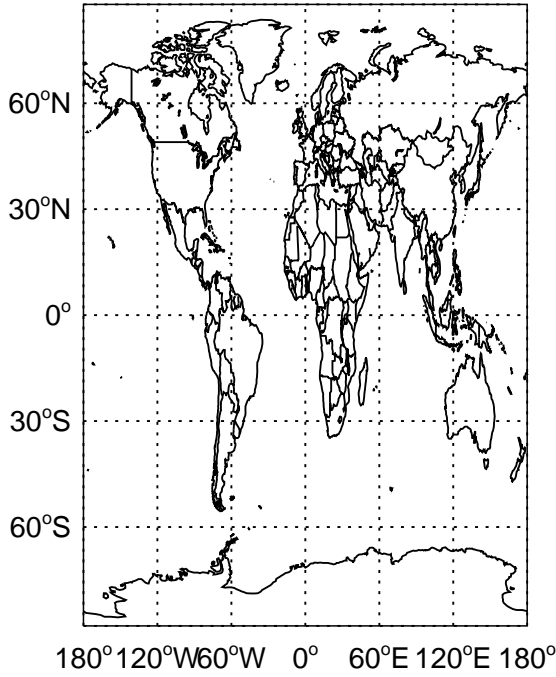
GEOS-Chem J-Values at surface and 500 hPa

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

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

JBrNO3 - J-Value Ratio @ surface for Apr

JBrNO3 - J-Value Ratio @ 500 hPa for Apr

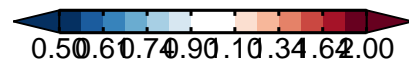
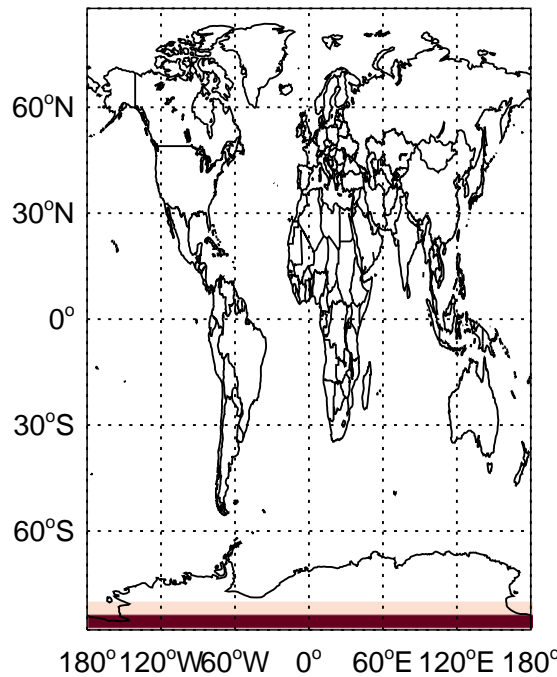
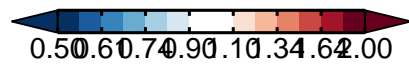
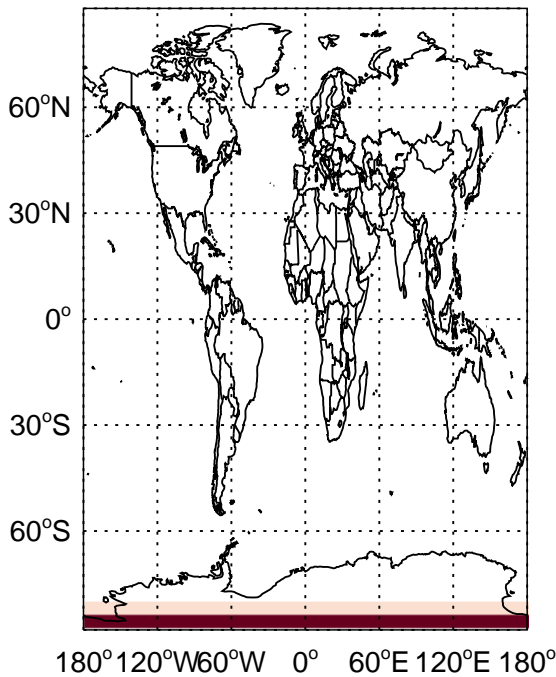


v11-01k-Run0 - v11-01f-geosfp-Run0

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

JBrNO3 - J-Value Ratio @ surface for Apr

JBrNO3 - J-Value Ratio @ 500 hPa for Apr



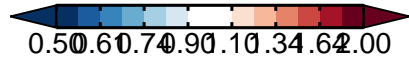
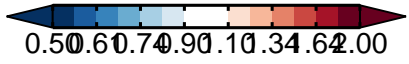
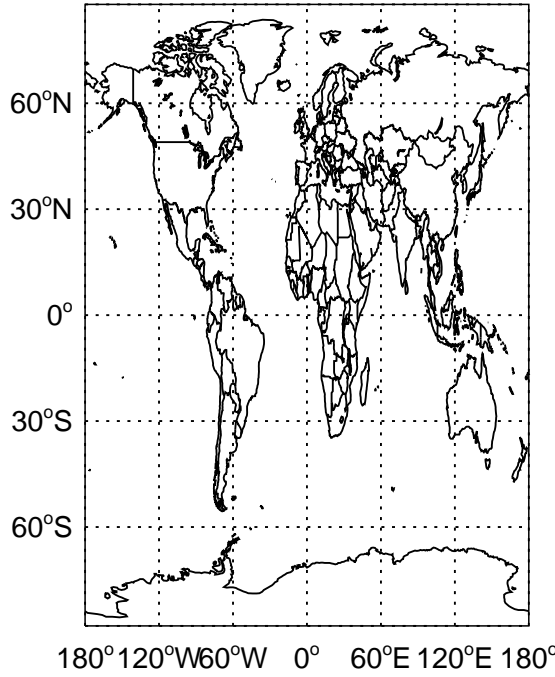
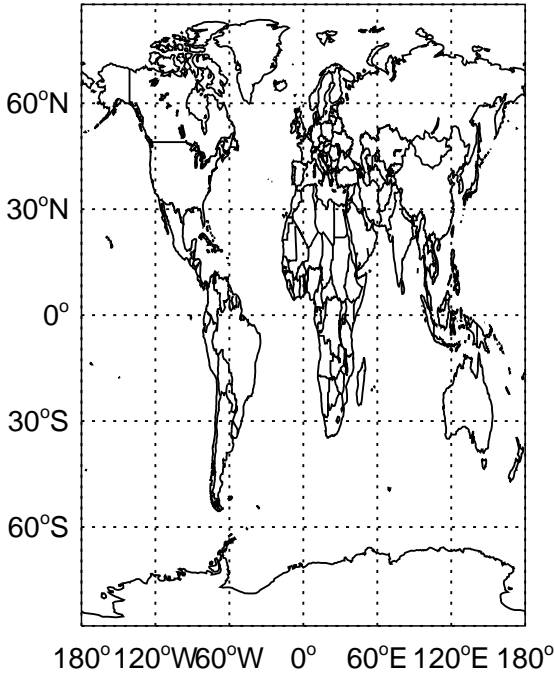
GEOS-Chem J-Values at surface and 500 hPa

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

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

JCHBr3 - J-Value Ratio @ surface for Apr

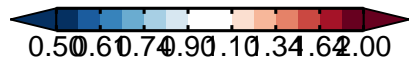
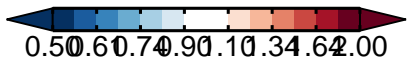
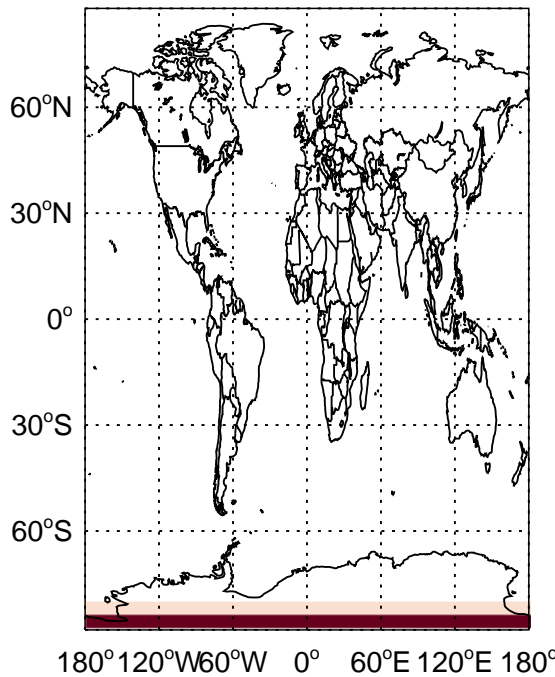
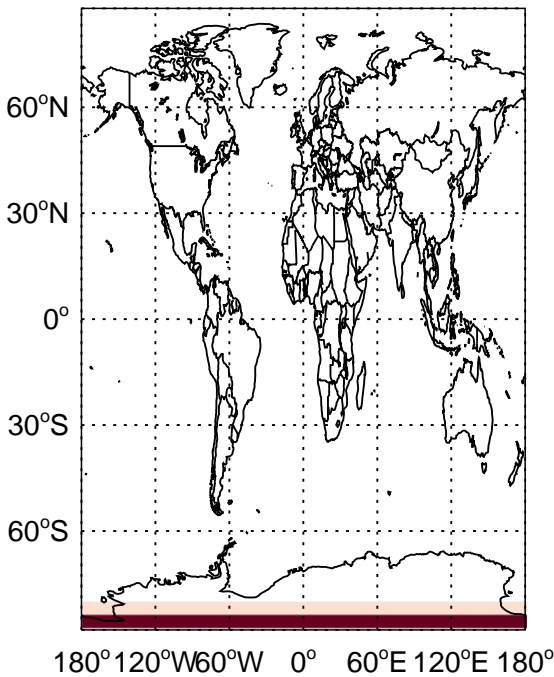
JCHBr3 - J-Value Ratio @ 500 hPa for Apr



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

JCHBr3 - J-Value Ratio @ surface for Apr

JCHBr3 - J-Value Ratio @ 500 hPa for Apr



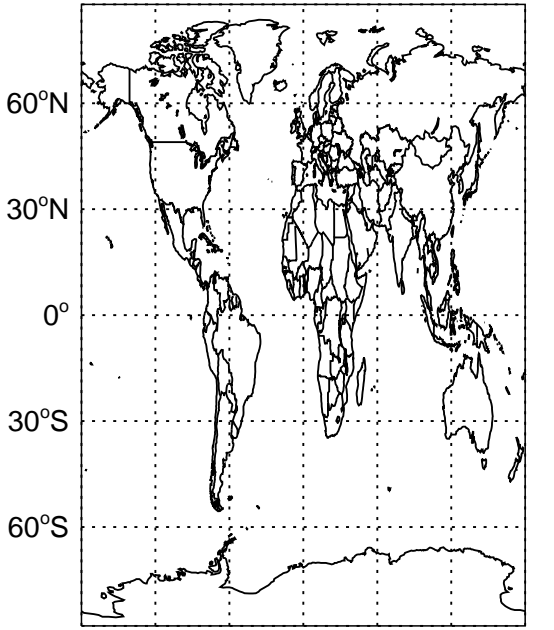
GEOS-Chem J-Values at surface and 500 hPa

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

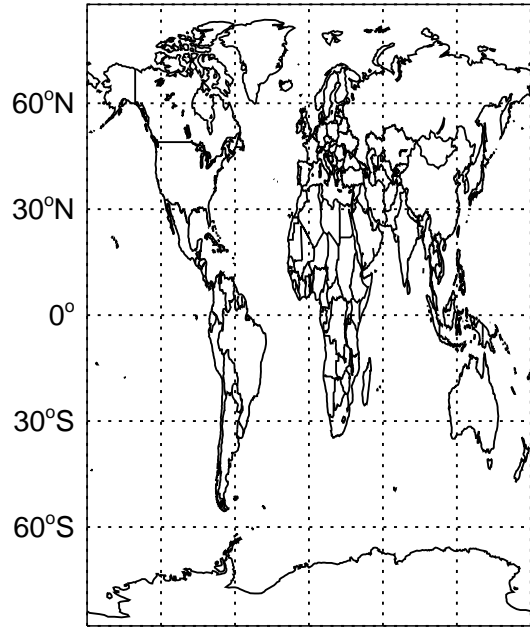
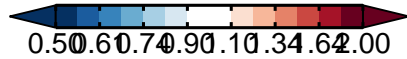
v11-01k-Run0 - v11-01g-Run0

JHAC - J-Value Ratio @ surface for Apr

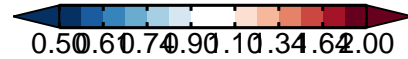
JHAC - J-Value Ratio @ 500 hPa for Apr



180° 120°W 60°W 0° 60°E 120°E 180°



180° 120°W 60°W 0° 60°E 120°E 180°

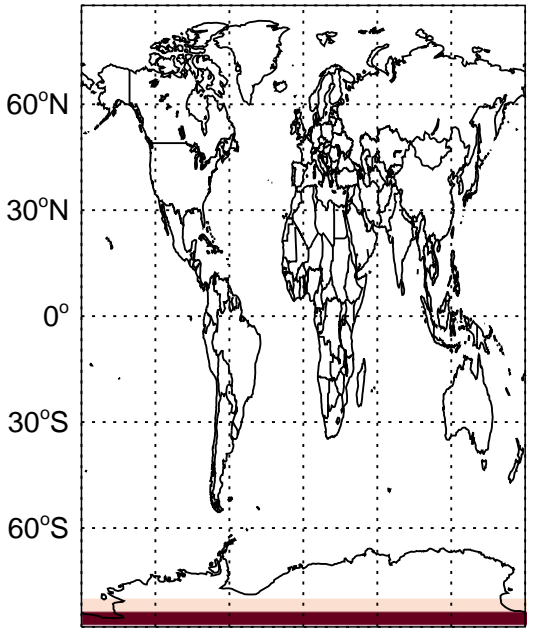


v11-01k-Run0 - v11-01f-geosfp-Run0

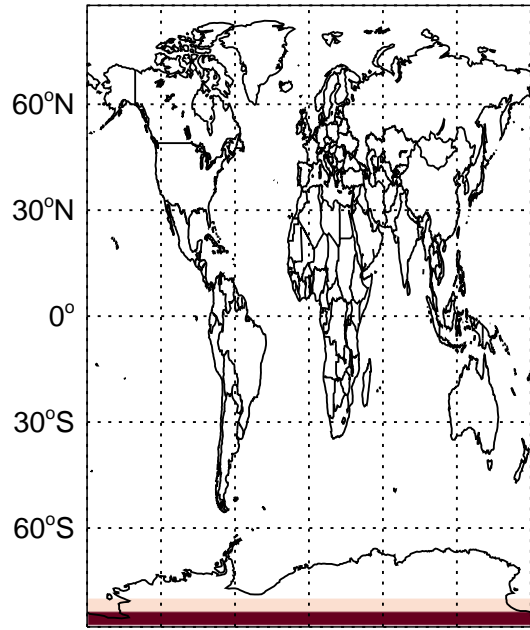
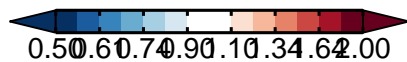
v11-01k-Run0 - v11-01f-geosfp-Run0

JHAC - J-Value Ratio @ surface for Apr

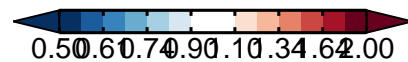
JHAC - J-Value Ratio @ 500 hPa for Apr



180° 120°W 60°W 0° 60°E 120°E 180°



180° 120°W 60°W 0° 60°E 120°E 180°



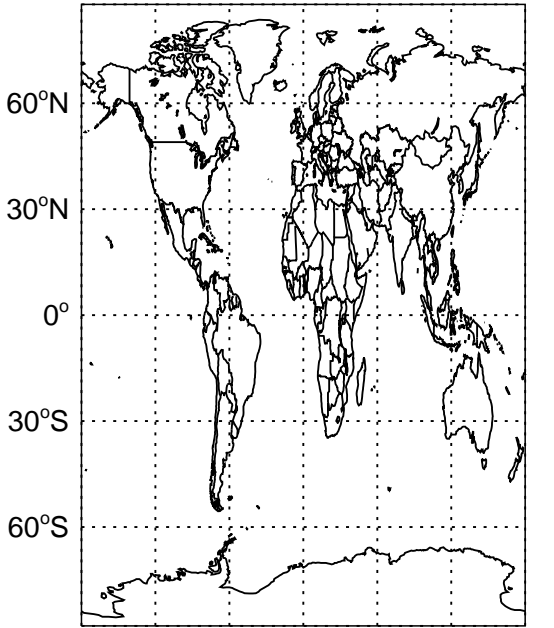
GEOS-Chem J-Values at surface and 500 hPa

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

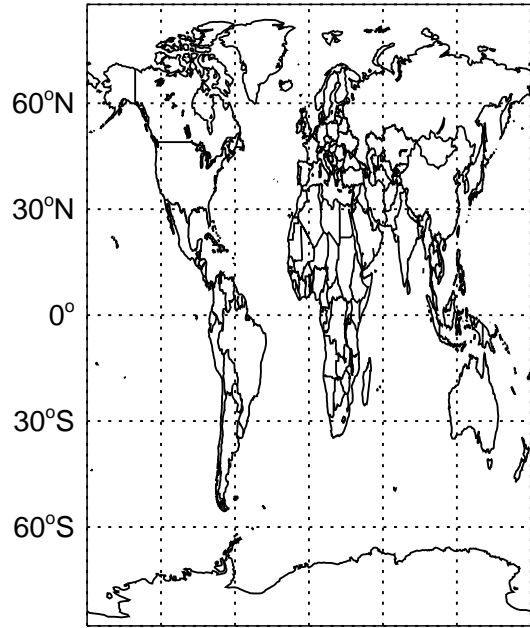
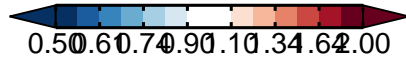
v11-01k-Run0 - v11-01g-Run0

JGLYC - J-Value Ratio @ surface for Apr

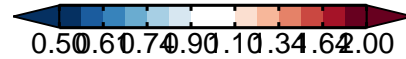
JGLYC - J-Value Ratio @ 500 hPa for Apr



180° 120°W 60°W 0° 60°E 120°E 180°



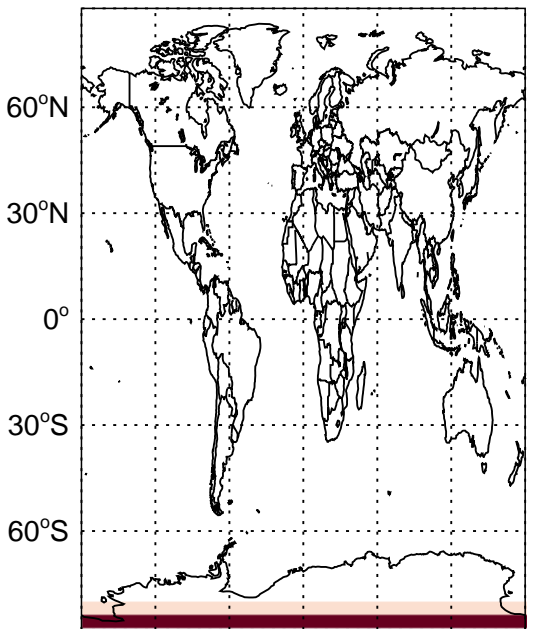
180° 120°W 60°W 0° 60°E 120°E 180°



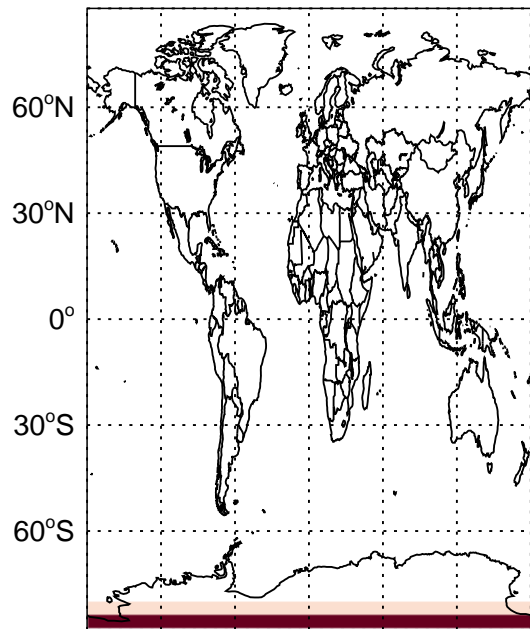
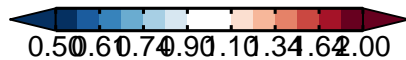
v11-01k-Run0 - v11-01f-geosfp-Run0 v11-01k-Run0 - v11-01f-geosfp-Run0

JGLYC - J-Value Ratio @ surface for Apr

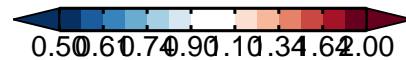
JGLYC - J-Value Ratio @ 500 hPa for Apr



180° 120°W 60°W 0° 60°E 120°E 180°



180° 120°W 60°W 0° 60°E 120°E 180°



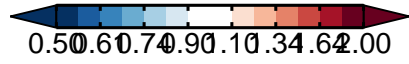
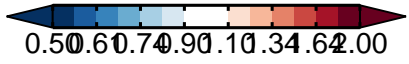
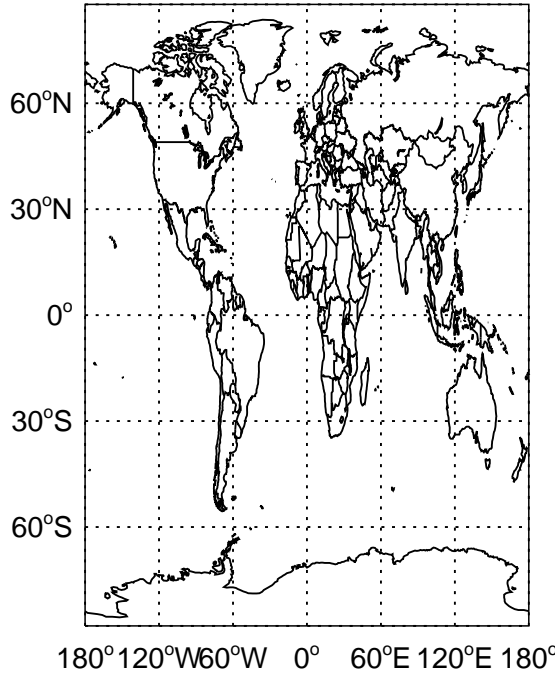
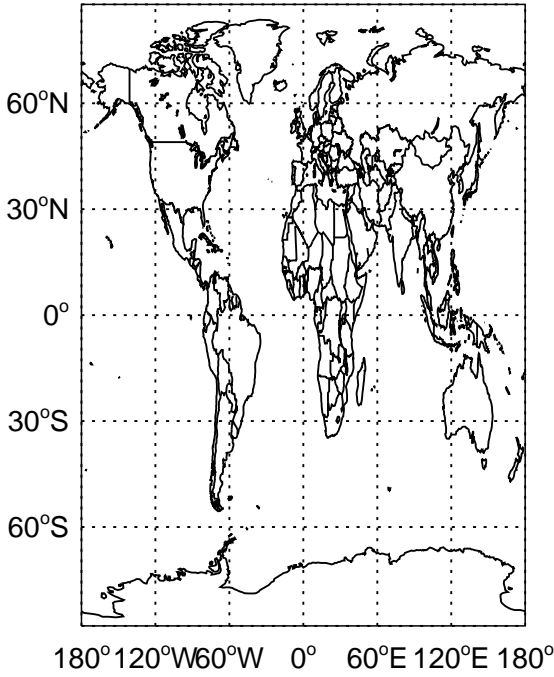
GEOS-Chem J-Values at surface and 500 hPa

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

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

JNO2 - J-Value Ratio @ surface for Apr

JNO2 - J-Value Ratio @ 500 hPa for Apr

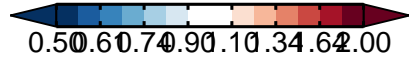
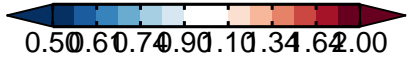
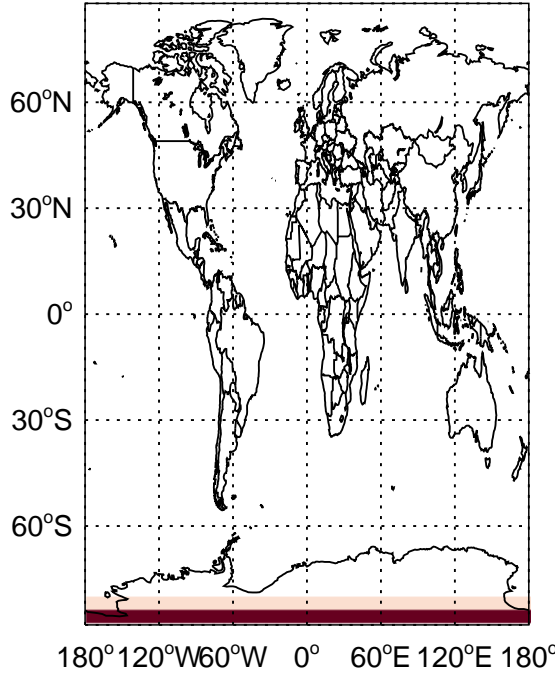
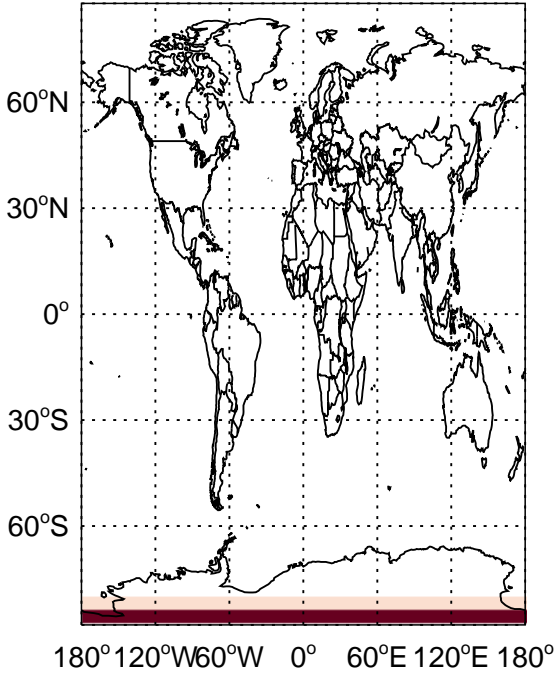


v11-01k-Run0 - v11-01f-geosfp-Run0

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

JNO2 - J-Value Ratio @ surface for Apr

JNO2 - J-Value Ratio @ 500 hPa for Apr



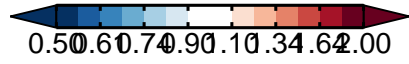
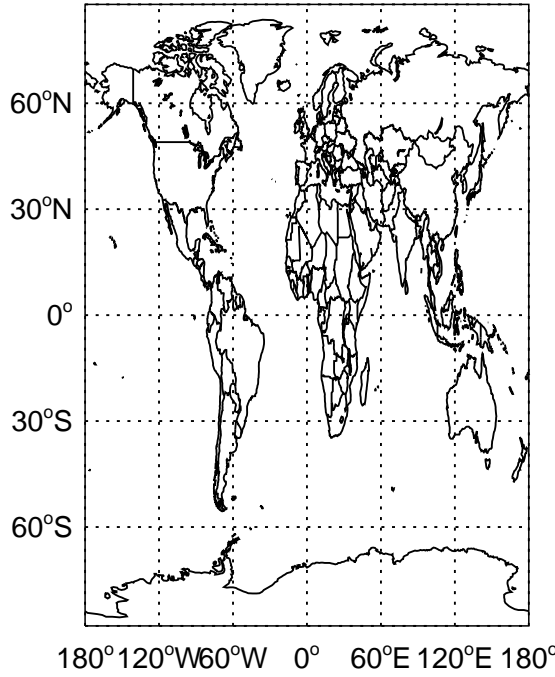
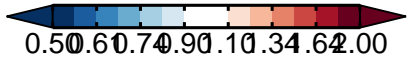
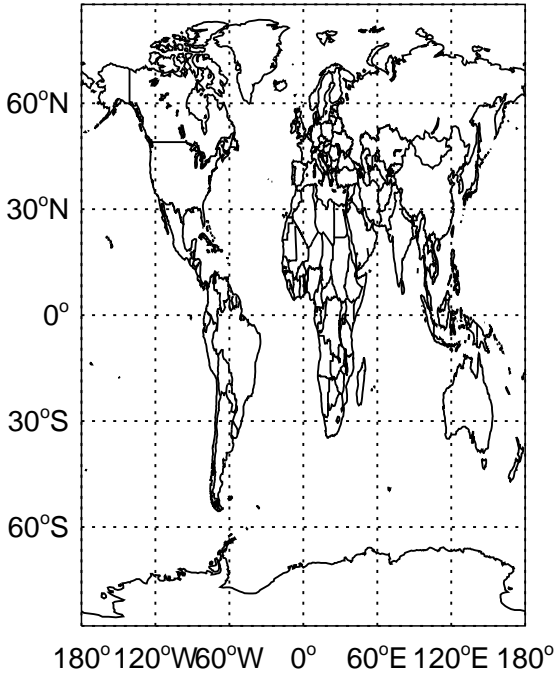
GEOS-Chem J-Values at surface and 500 hPa

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

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

JNO3 - J-Value Ratio @ surface for Apr

JNO3 - J-Value Ratio @ 500 hPa for Apr

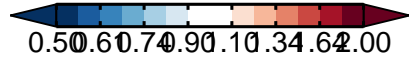
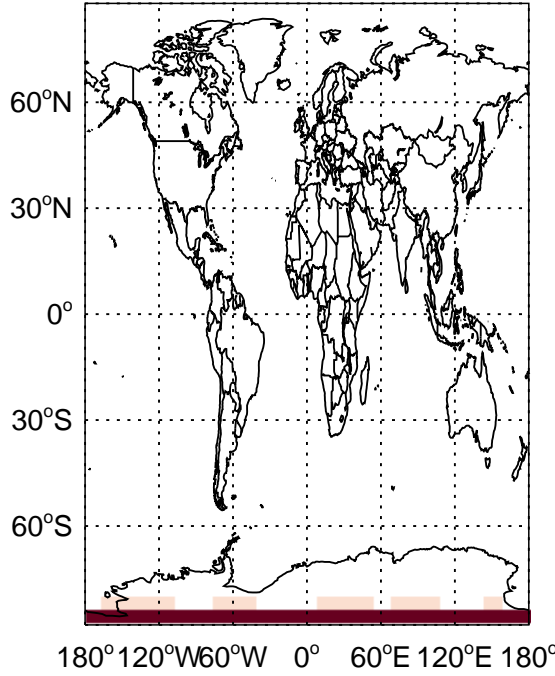
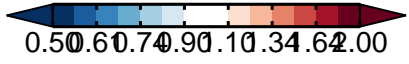
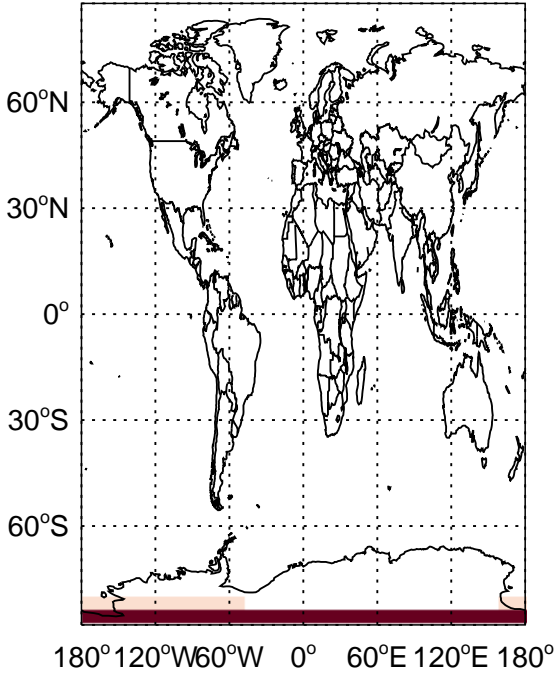


v11-01k-Run0 - v11-01f-geosfp-Run0

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

JNO3 - J-Value Ratio @ surface for Apr

JNO3 - J-Value Ratio @ 500 hPa for Apr



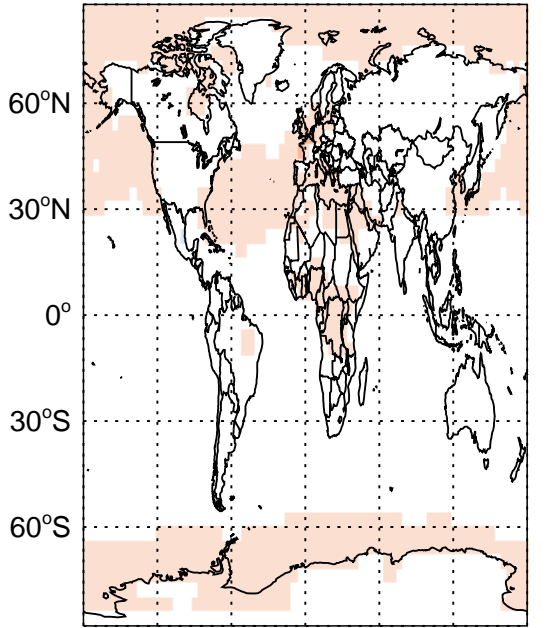
GEOS-Chem J-Values at surface and 500 hPa

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

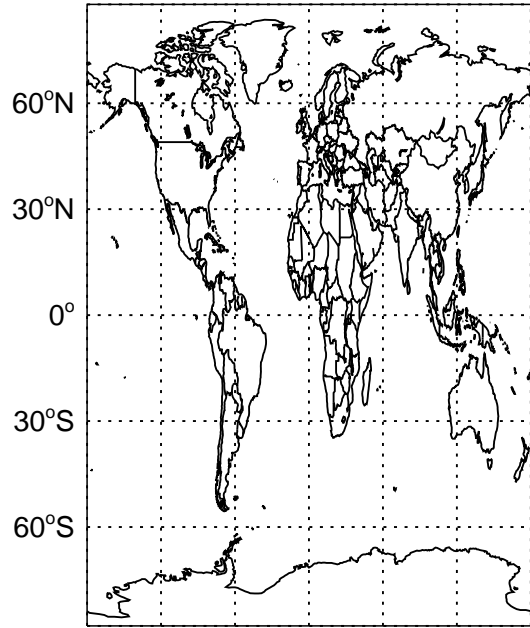
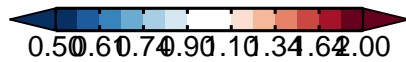
v11-01k-Run0 - v11-01g-Run0

JN2O - J-Value Ratio @ surface for Apr

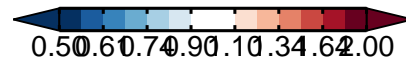
JN2O - J-Value Ratio @ 500 hPa for Apr



180° 120°W 60°W 0° 60°E 120°E 180°



180° 120°W 60°W 0° 60°E 120°E 180°

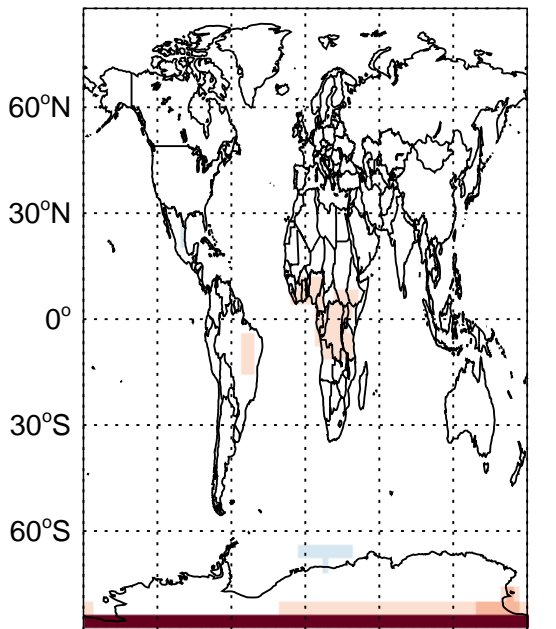


v11-01k-Run0 - v11-01f-geosfp-Run0

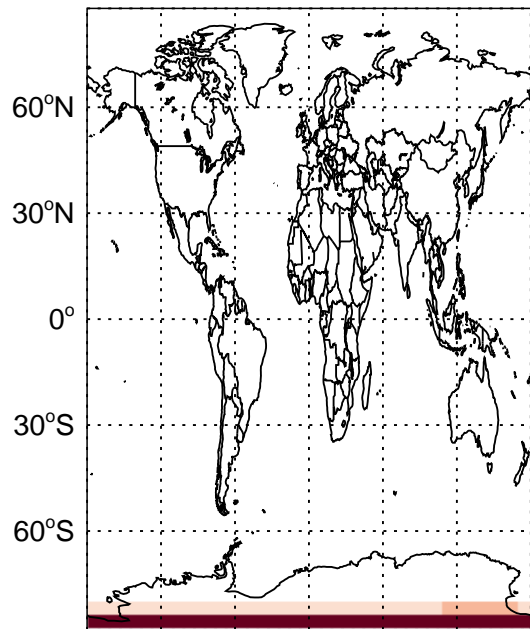
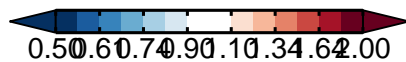
v11-01k-Run0 - v11-01f-geosfp-Run0

JN2O - J-Value Ratio @ surface for Apr

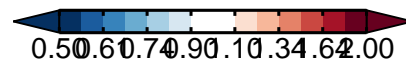
JN2O - J-Value Ratio @ 500 hPa for Apr



180° 120°W 60°W 0° 60°E 120°E 180°



180° 120°W 60°W 0° 60°E 120°E 180°



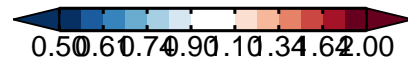
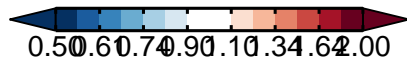
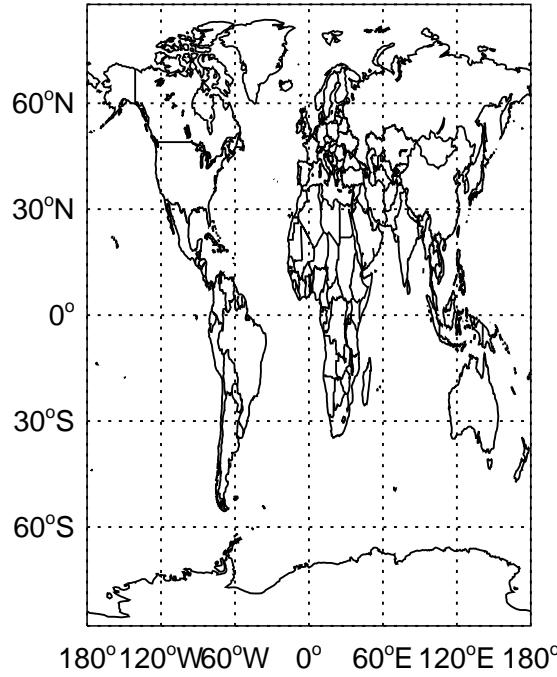
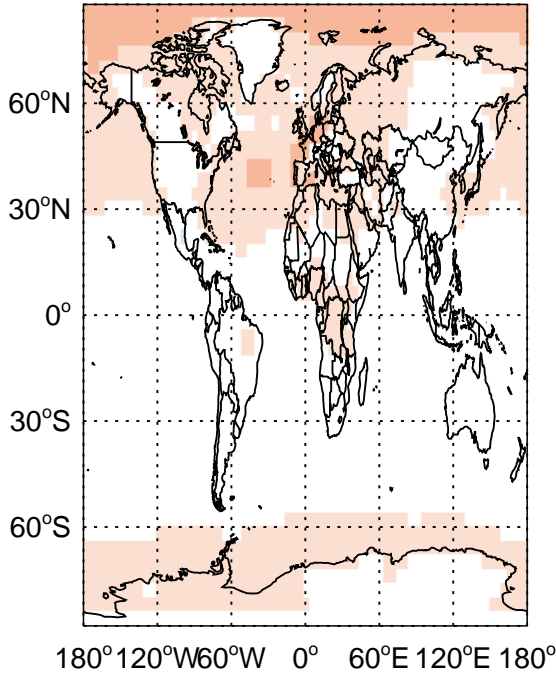
GEOS-Chem J-Values at surface and 500 hPa

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

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

JCCI4 - J-Value Ratio @ surface for Apr

JCCI4 - J-Value Ratio @ 500 hPa for Apr

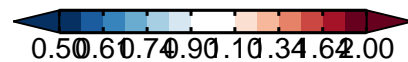
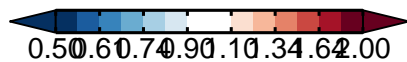
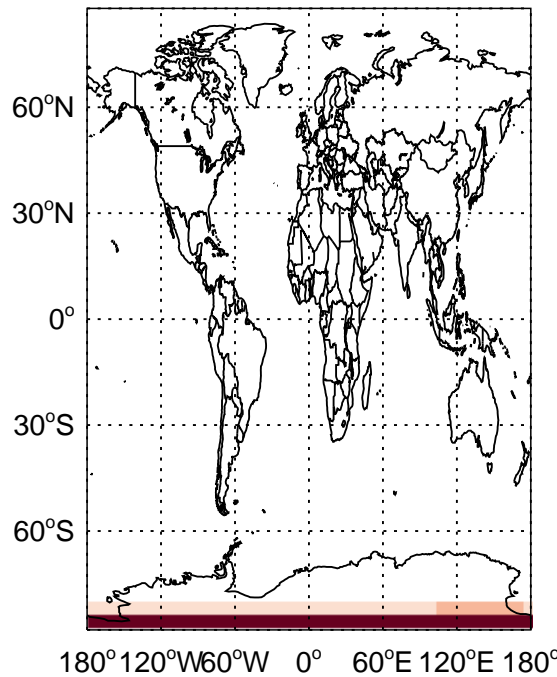
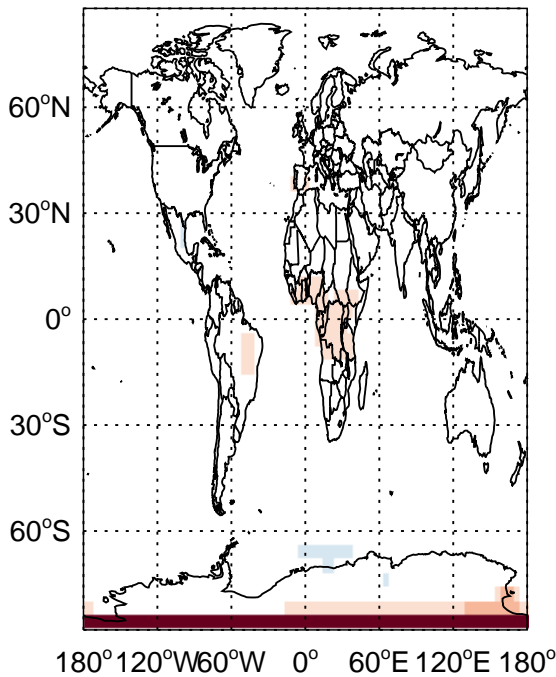


v11-01k-Run0 - v11-01f-geosfp-Run0

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

JCCI4 - J-Value Ratio @ surface for Apr

JCCI4 - J-Value Ratio @ 500 hPa for Apr



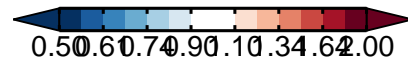
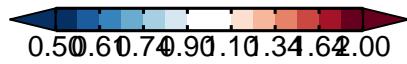
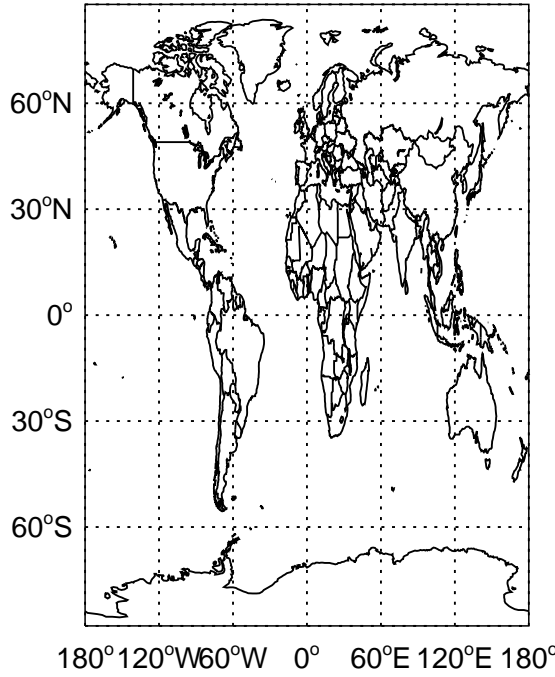
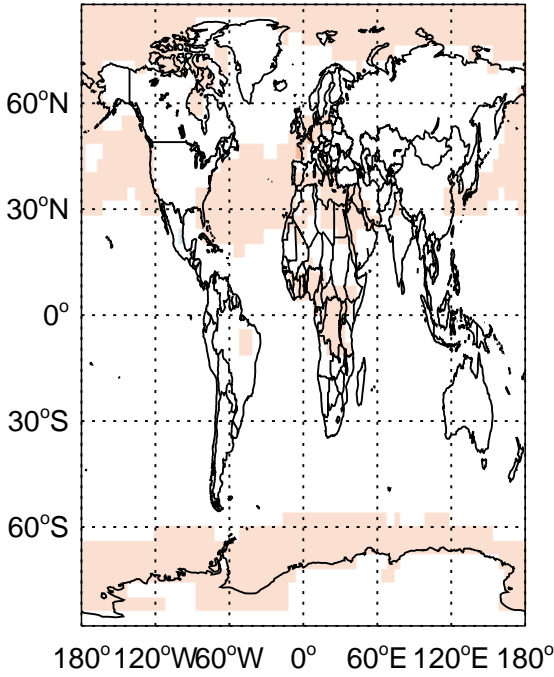
GEOS-Chem J-Values at surface and 500 hPa

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

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

JCH3Cl - J-Value Ratio @ surface for Apr

JCH3Cl - J-Value Ratio @ 500 hPa for Apr

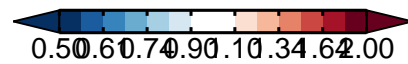
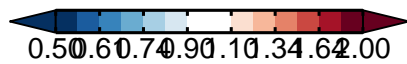
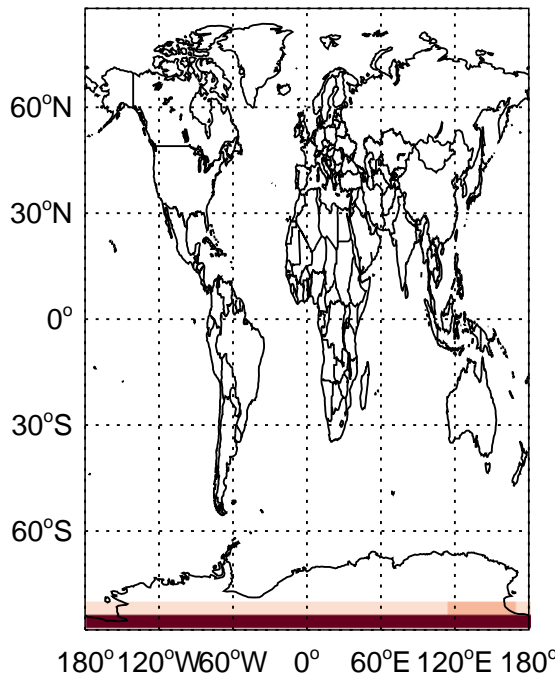
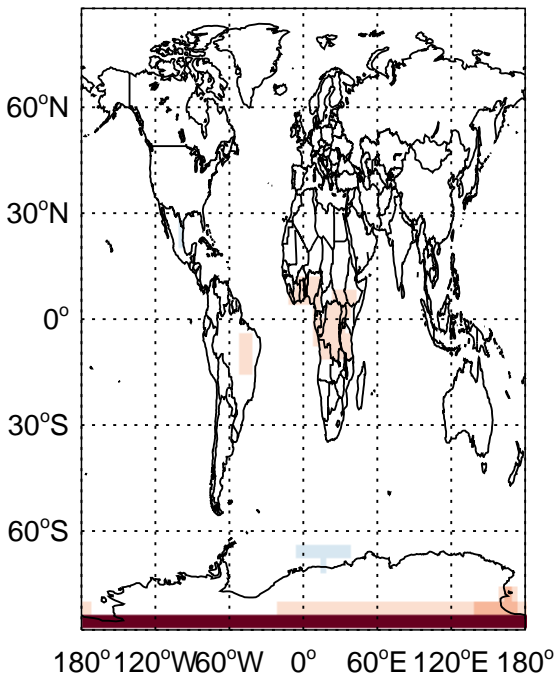


v11-01k-Run0 - v11-01f-geosfp-Run0

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

JCH3Cl - J-Value Ratio @ surface for Apr

JCH3Cl - J-Value Ratio @ 500 hPa for Apr



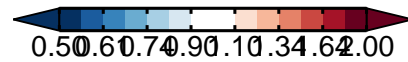
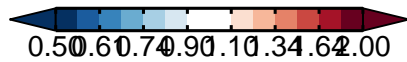
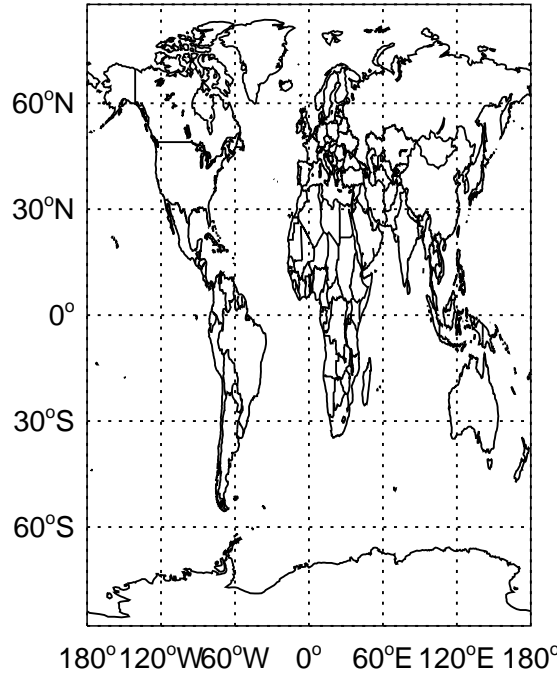
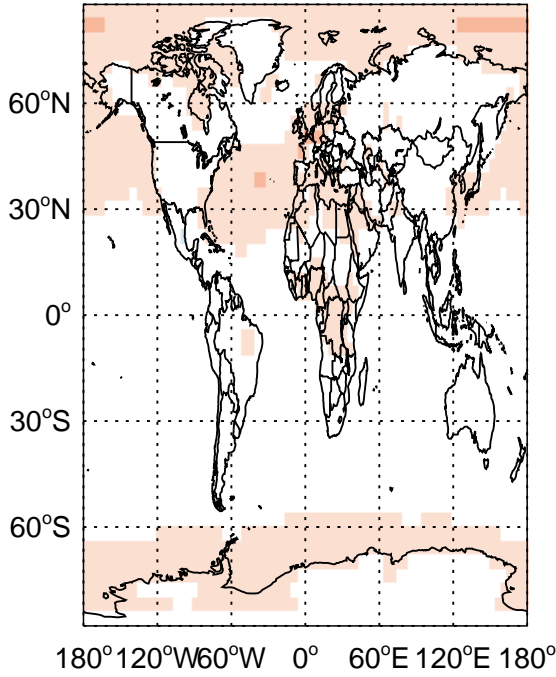
GEOS-Chem J-Values at surface and 500 hPa

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

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

JCFC11 - J-Value Ratio @ surface for Apr

JCFC11 - J-Value Ratio @ 500 hPa for Apr

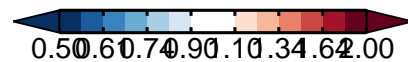
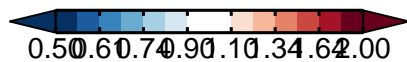
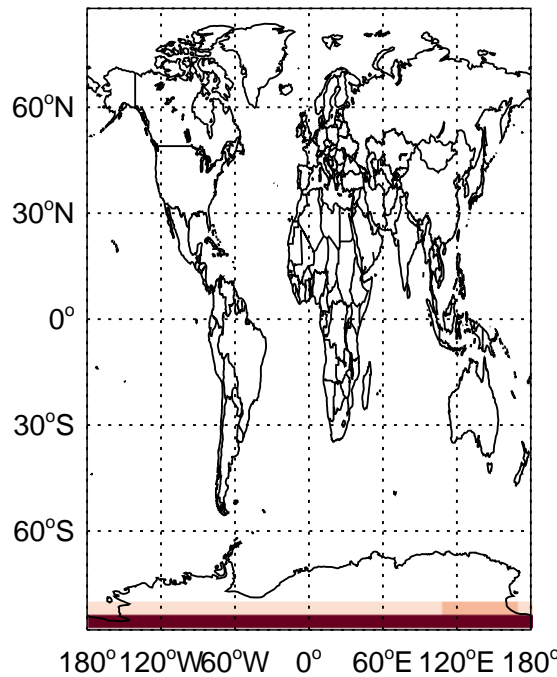
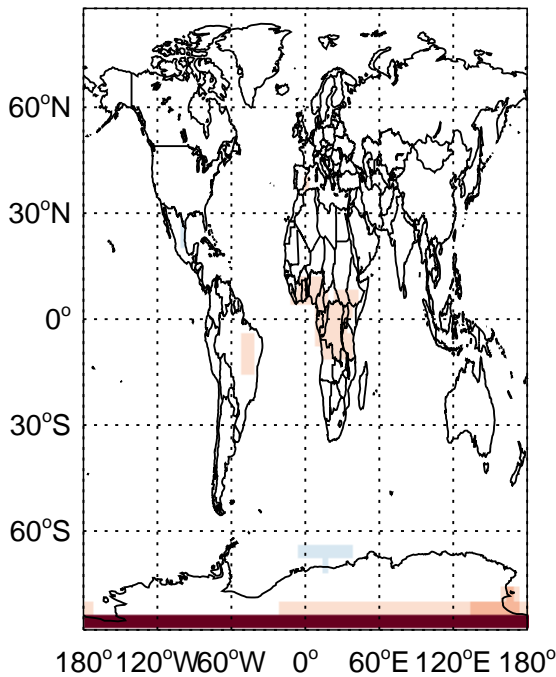


v11-01k-Run0 - v11-01f-geosfp-Run0

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

JCFC11 - J-Value Ratio @ surface for Apr

JCFC11 - J-Value Ratio @ 500 hPa for Apr



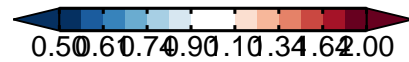
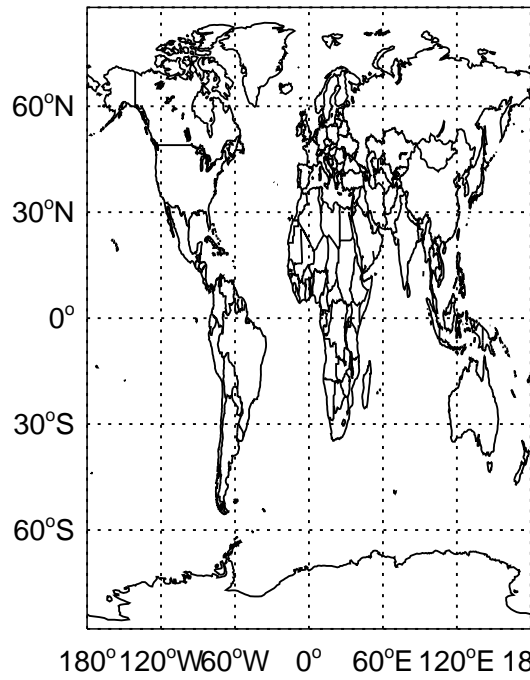
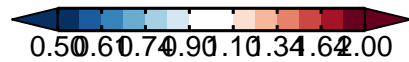
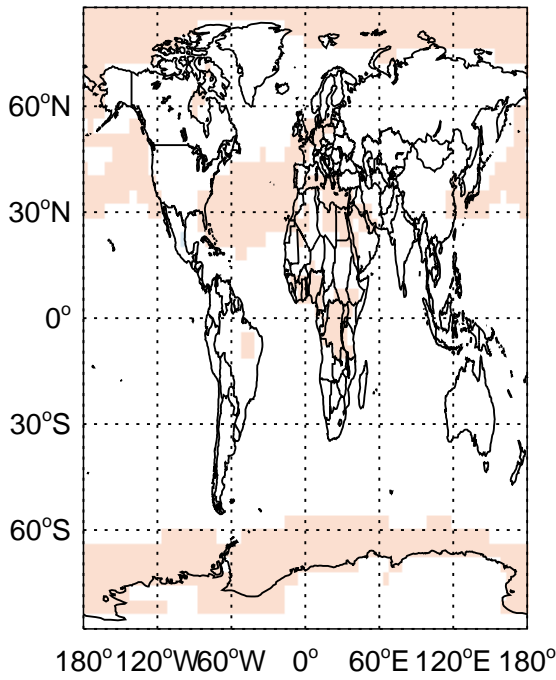
GEOS-Chem J-Values at surface and 500 hPa

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

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

JCFC12 - J-Value Ratio @ surface for Apr

JCFC12 - J-Value Ratio @ 500 hPa for Apr

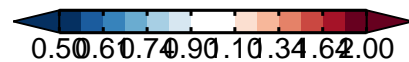
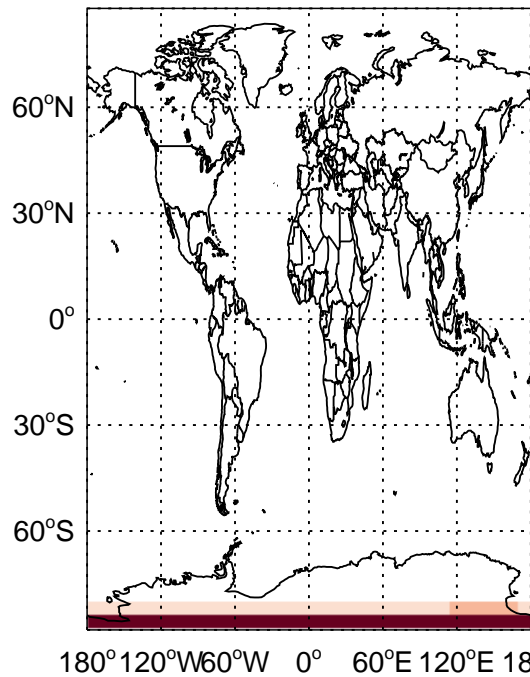
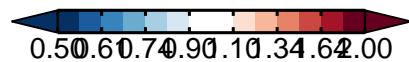
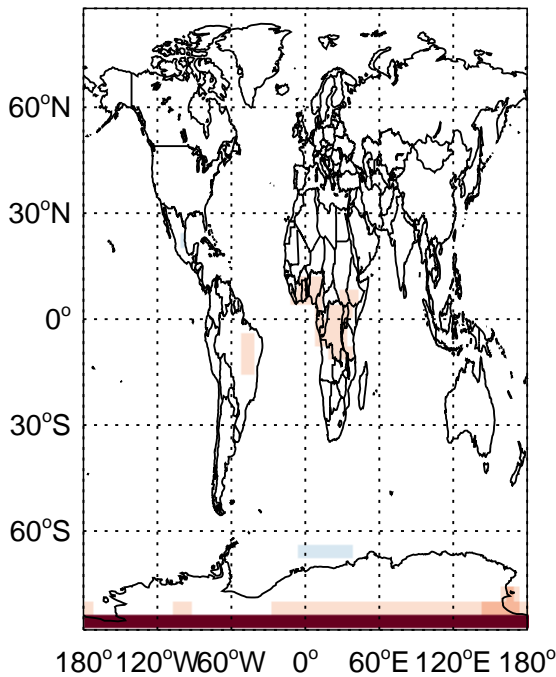


v11-01k-Run0 - v11-01f-geosfp-Run0

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

JCFC12 - J-Value Ratio @ surface for Apr

JCFC12 - J-Value Ratio @ 500 hPa for Apr



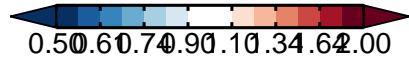
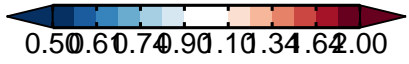
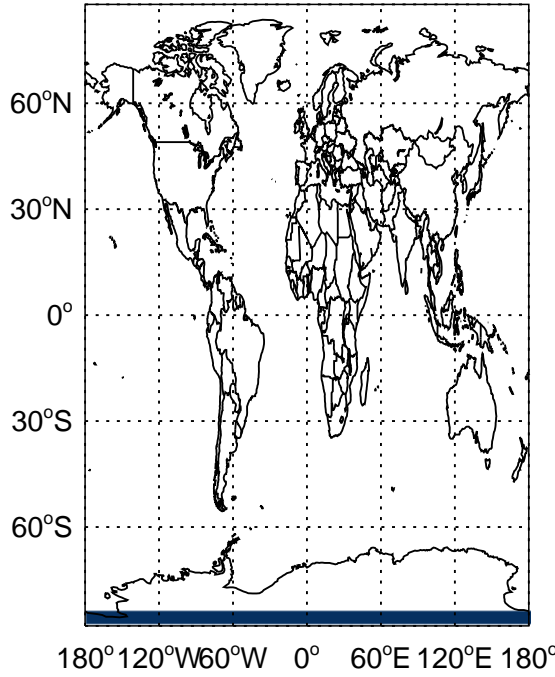
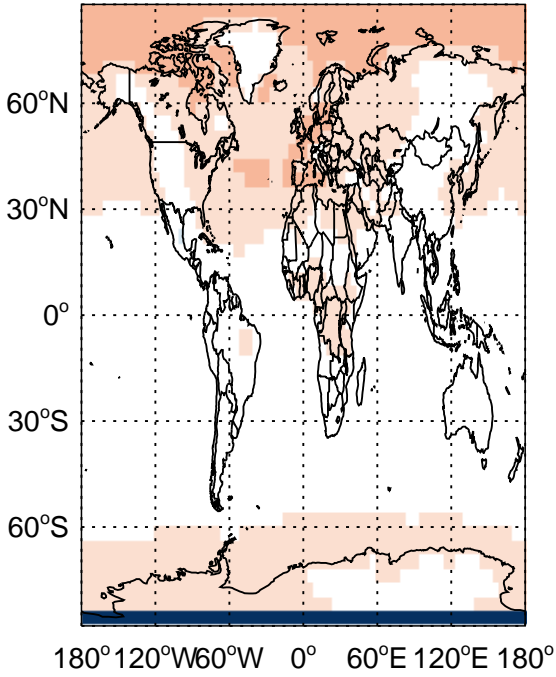
GEOS-Chem J-Values at surface and 500 hPa

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

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

JO2 - J-Value Ratio @ surface for Apr

JO2 - J-Value Ratio @ 500 hPa for Apr



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

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

JO2 - J-Value Ratio @ surface for Apr

JO2 - J-Value Ratio @ 500 hPa for Apr

