

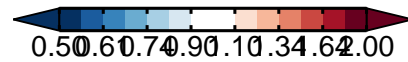
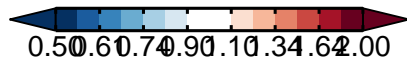
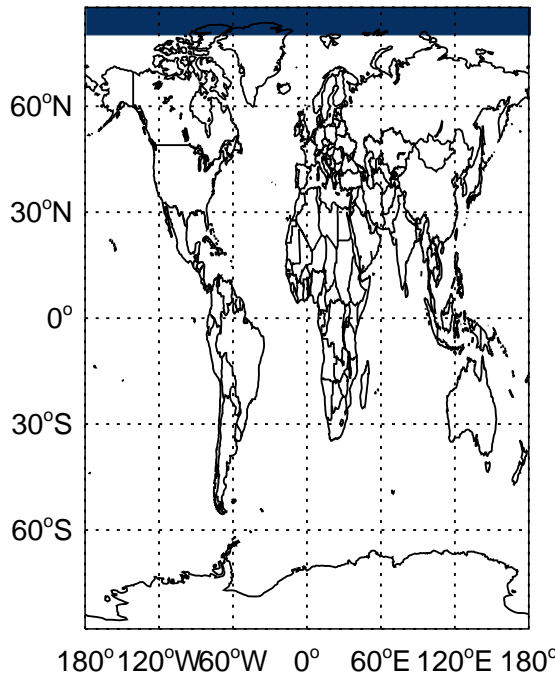
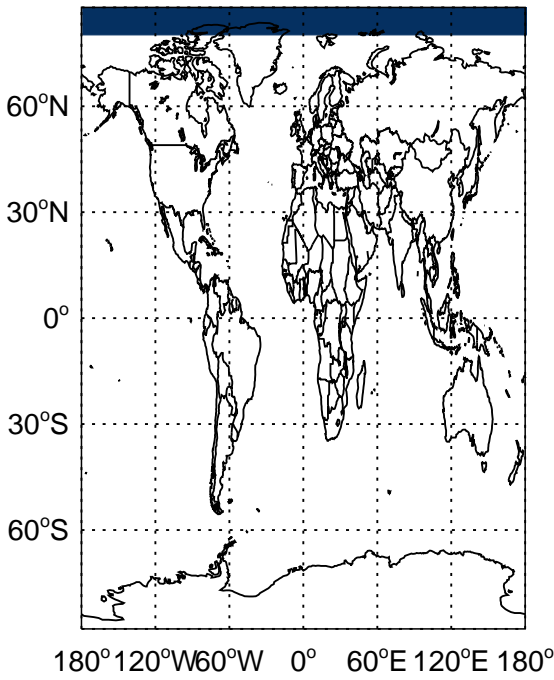
GEOS-Chem J-Values at surface and 500 hPa

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

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

JNO - J-Value Ratio @ surface for Jan

JNO - J-Value Ratio @ 500 hPa for Jan

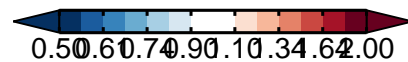
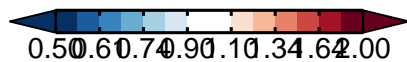
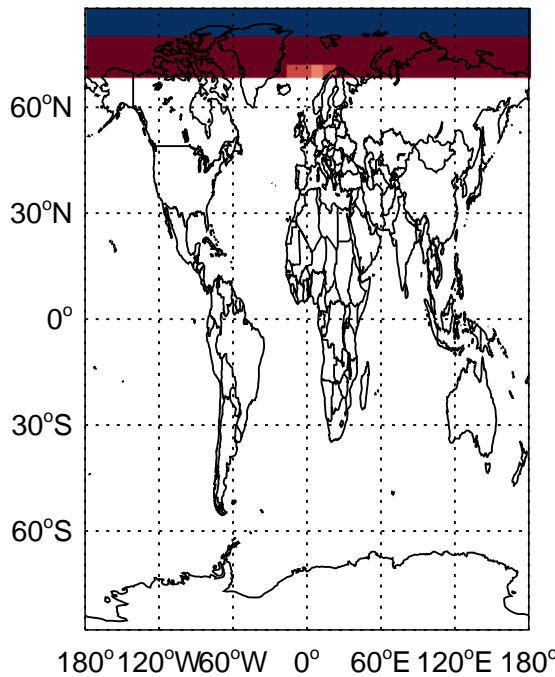
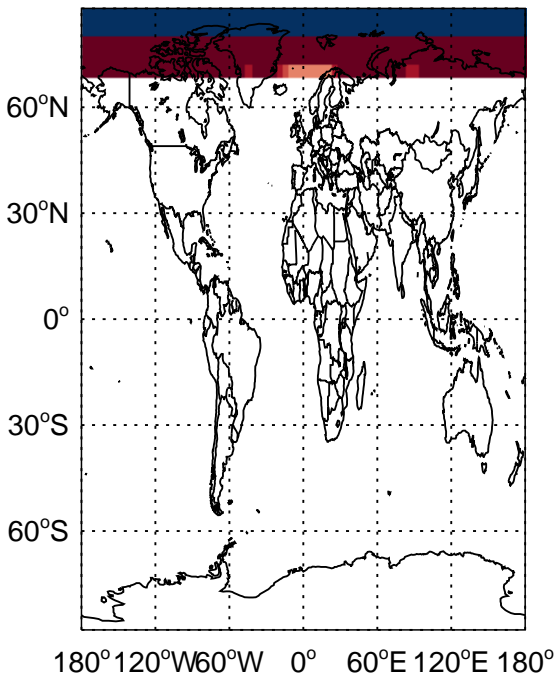


v11-01k-Run0 - v11-01f-geosfp-Run0

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

JNO - J-Value Ratio @ surface for Jan

JNO - J-Value Ratio @ 500 hPa for Jan



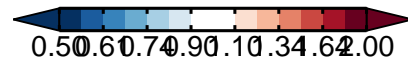
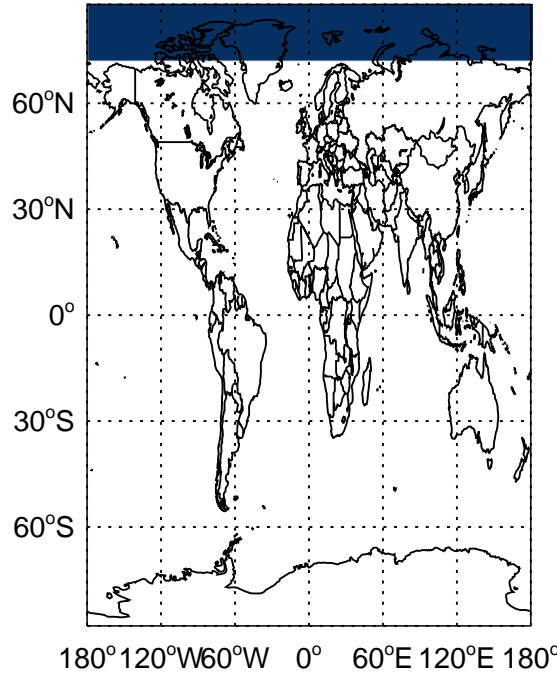
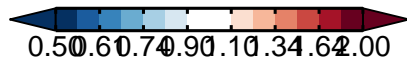
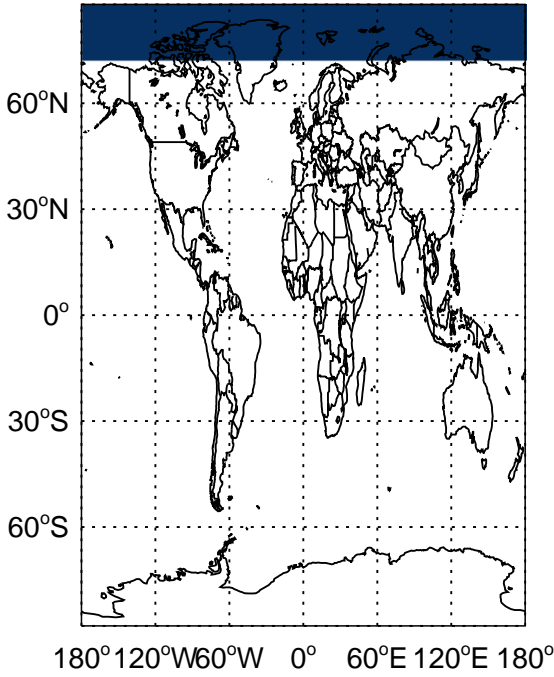
GEOS-Chem J-Values at surface and 500 hPa

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

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

JO3\_O1D - J-Value Ratio @ surface for Jan

JO3\_O1D - J-Value Ratio @ 500 hPa for Jan

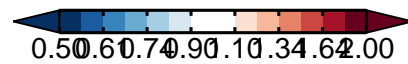
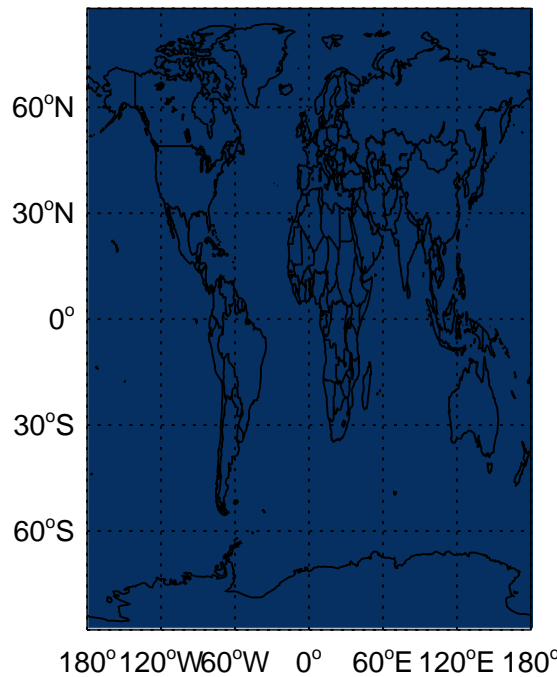
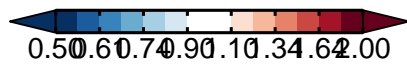
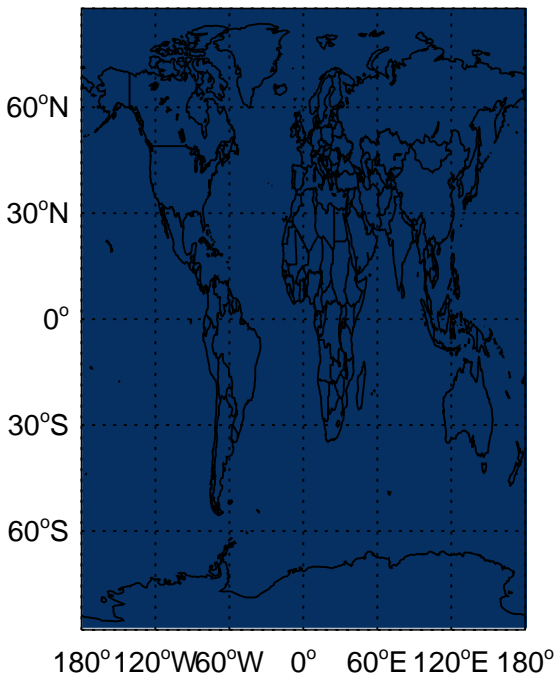


v11-01k-Run0 - v11-01f-geosfp-Run0

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

JO3\_O1D - J-Value Ratio @ surface for Jan

JO3\_O1D - J-Value Ratio @ 500 hPa for Jan



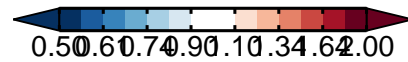
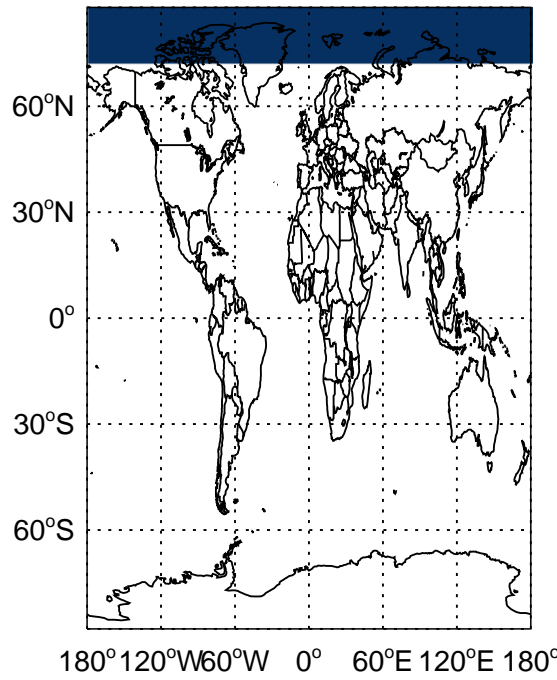
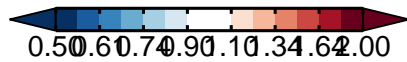
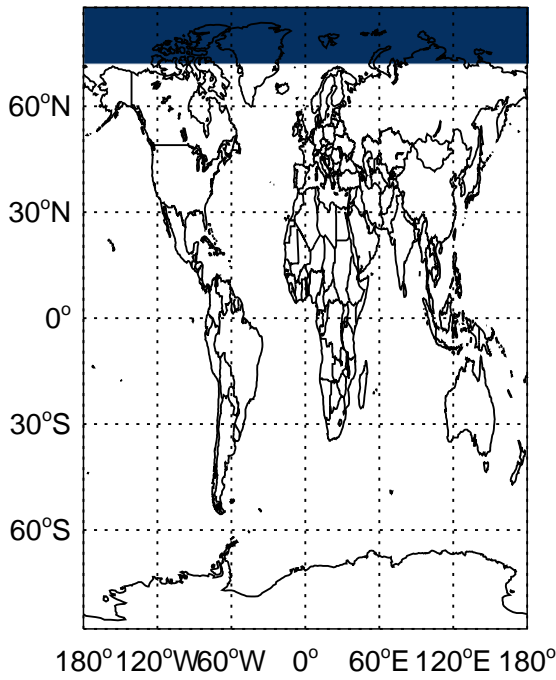
GEOS-Chem J-Values at surface and 500 hPa

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 Jan

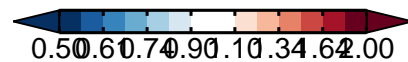
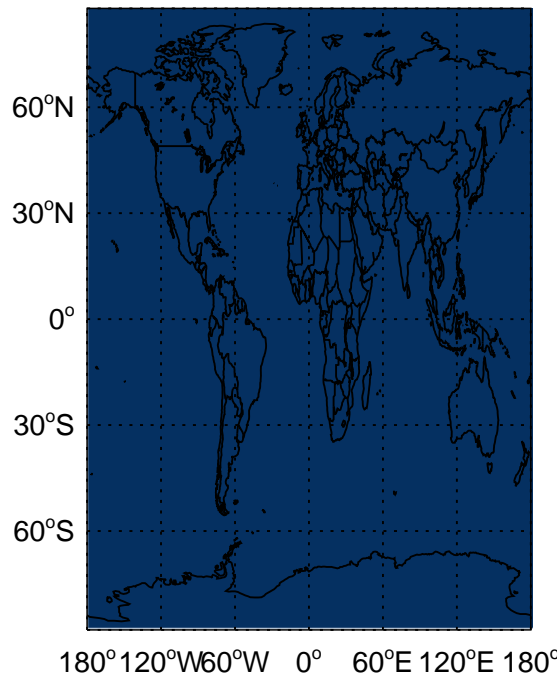
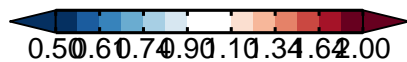
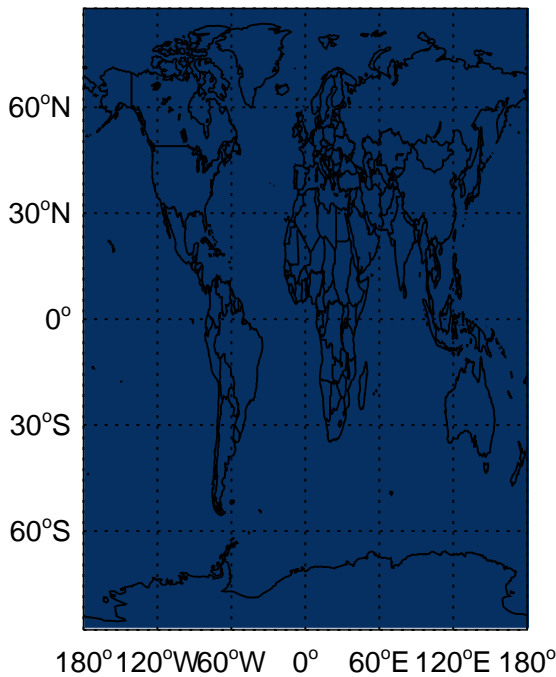


v11-01k-Run0 - v11-01f-geosfp-Run0

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

JO3\_O3P - J-Value Ratio @ surface

JO3\_O3P - J-Value Ratio @ 500 hPa for Jan



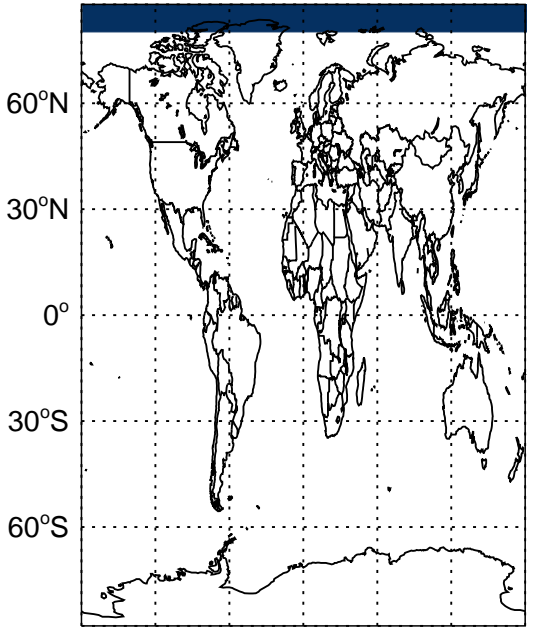
GEOS-Chem J-Values at surface and 500 hPa

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

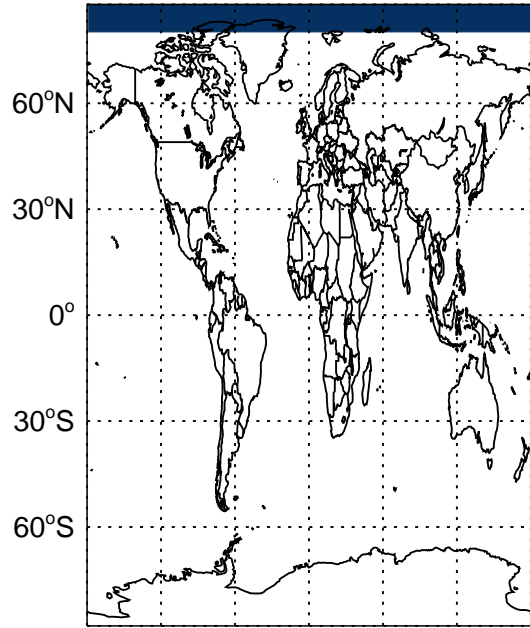
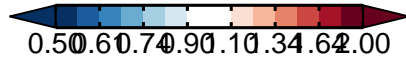
v11-01k-Run0 - v11-01g-Run0

JHNO3 - J-Value Ratio @ surface for Jan

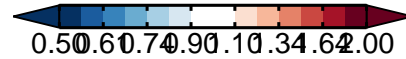
JHNO3 - J-Value Ratio @ 500 hPa for Jan



180° 120°W 60°W 0° 60°E 120°E 180°



180° 120°W 60°W 0° 60°E 120°E 180°

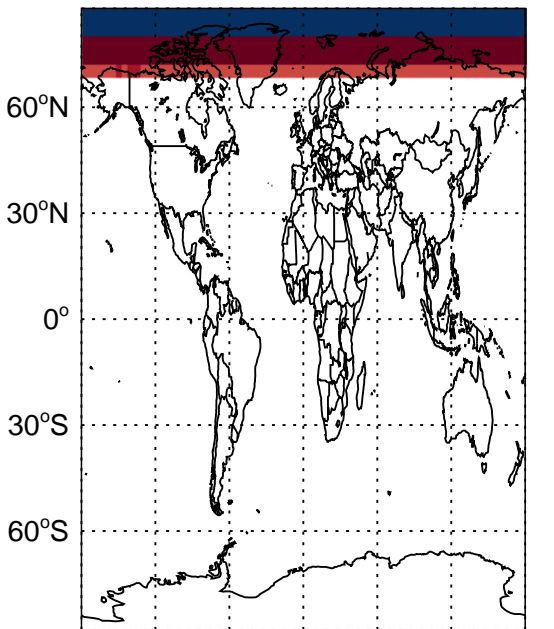


v11-01k-Run0 - v11-01f-geosfp-Run0

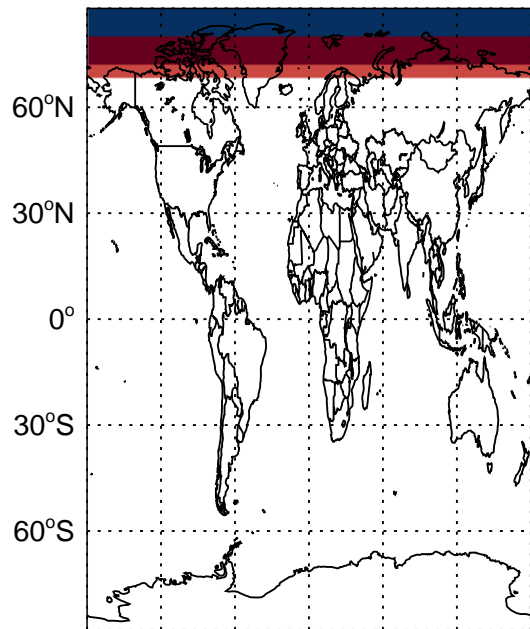
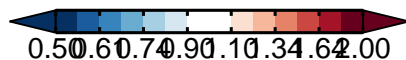
v11-01k-Run0 - v11-01f-geosfp-Run0

JHNO3 - J-Value Ratio @ surface for Jan

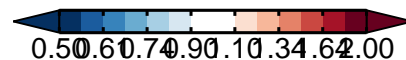
JHNO3 - J-Value Ratio @ 500 hPa for Jan



180° 120°W 60°W 0° 60°E 120°E 180°



180° 120°W 60°W 0° 60°E 120°E 180°



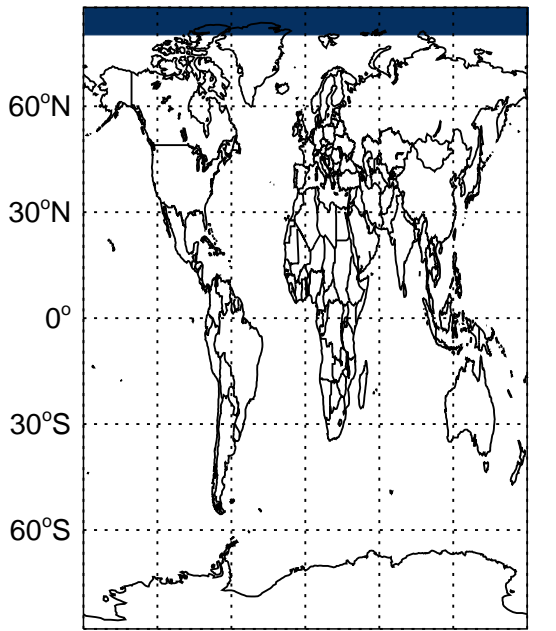
GEOS-Chem J-Values at surface and 500 hPa

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

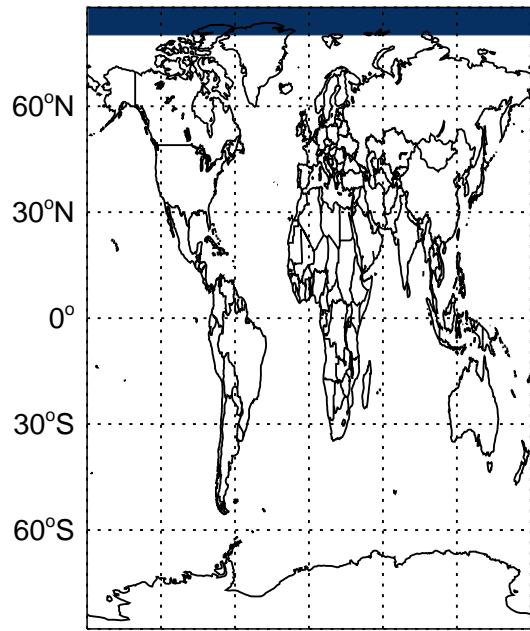
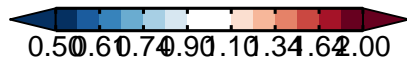
v11-01k-Run0 - v11-01g-Run0

JH2O2 - J-Value Ratio @ surface for Jan

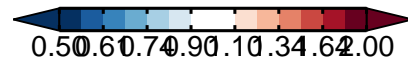
JH2O2 - J-Value Ratio @ 500 hPa for Jan



180° 120°W 60°W 0° 60°E 120°E 180°



180° 120°W 60°W 0° 60°E 120°E 180°

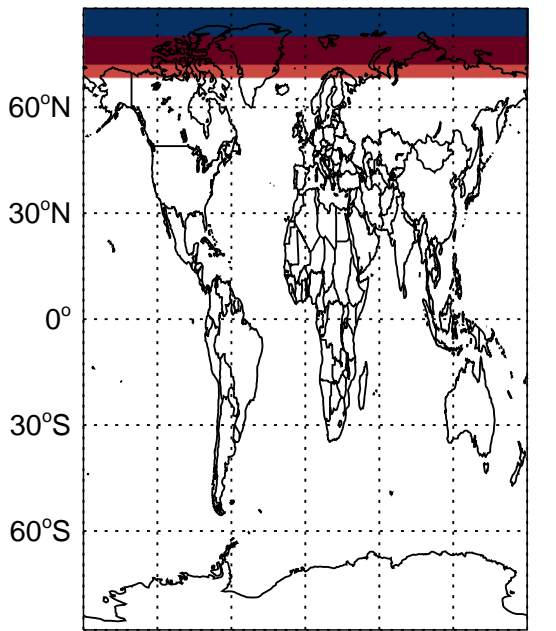


v11-01k-Run0 - v11-01f-geosfp-Run0

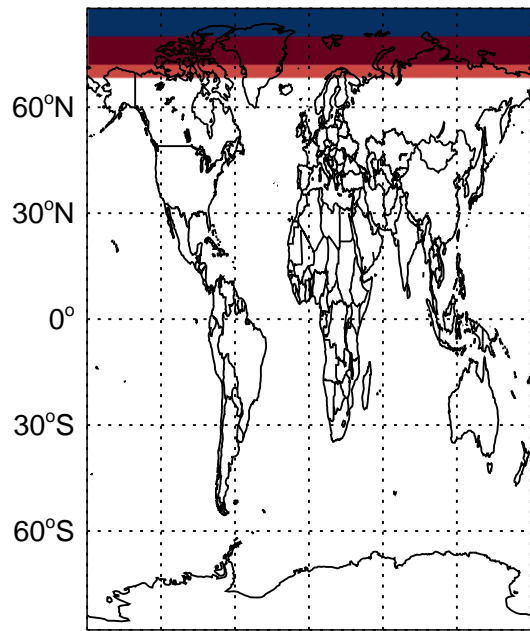
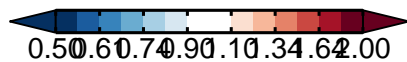
v11-01k-Run0 - v11-01f-geosfp-Run0

JH2O2 - J-Value Ratio @ surface for Jan

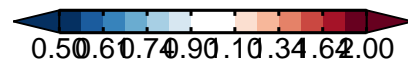
JH2O2 - J-Value Ratio @ 500 hPa for Jan



180° 120°W 60°W 0° 60°E 120°E 180°



180° 120°W 60°W 0° 60°E 120°E 180°



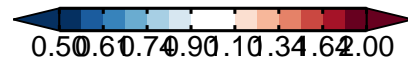
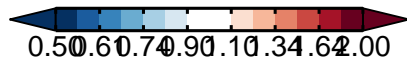
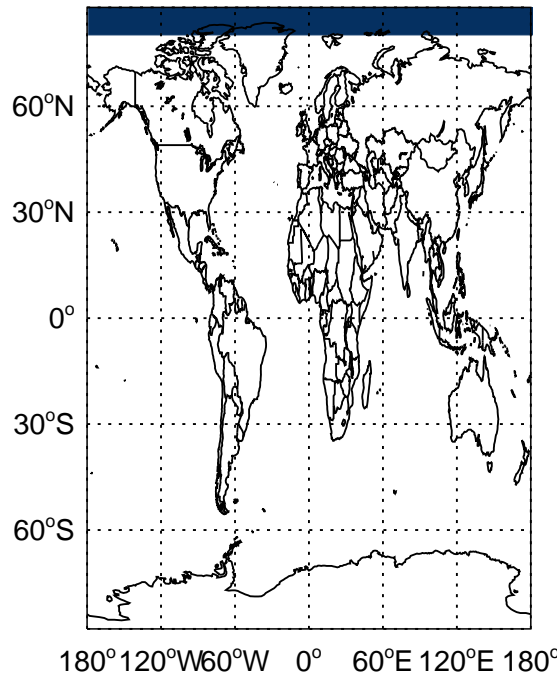
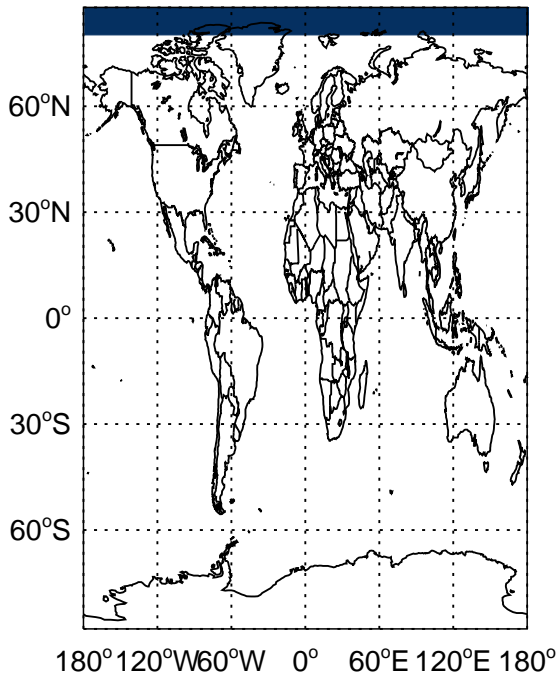
GEOS-Chem J-Values at surface and 500 hPa

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

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

JACET - J-Value Ratio @ surface for Jan

JACET - J-Value Ratio @ 500 hPa for Jan

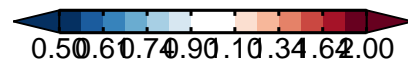
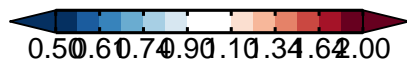
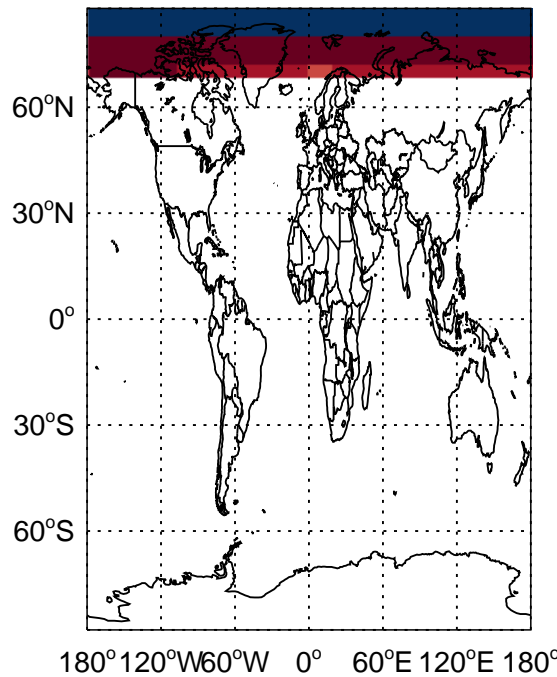
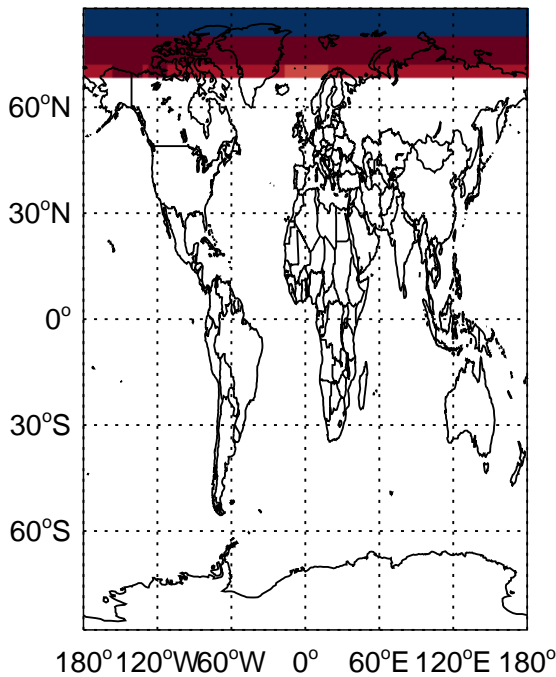


v11-01k-Run0 - v11-01f-geosfp-Run0

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

JACET - J-Value Ratio @ surface for Jan

JACET - J-Value Ratio @ 500 hPa for Jan



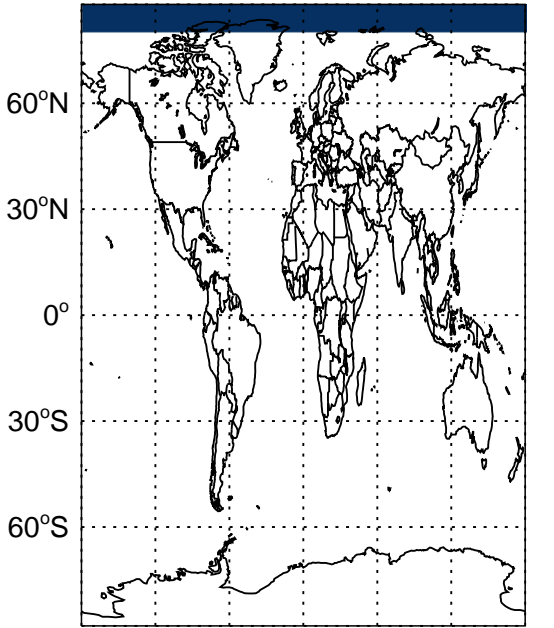
GEOS-Chem J-Values at surface and 500 hPa

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

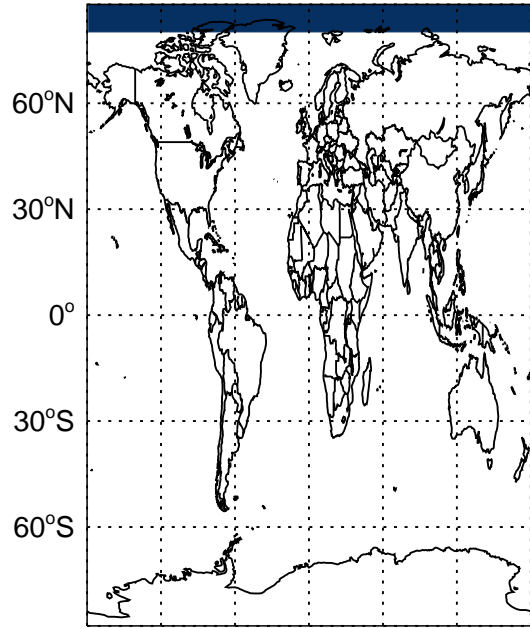
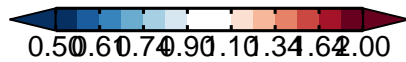
v11-01k-Run0 - v11-01g-Run0

JALD2 - J-Value Ratio @ surface for Jan

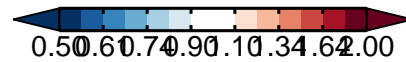
JALD2 - J-Value Ratio @ 500 hPa for Jan



180° 120°W 60°W 0° 60°E 120°E 180°



180° 120°W 60°W 0° 60°E 120°E 180°

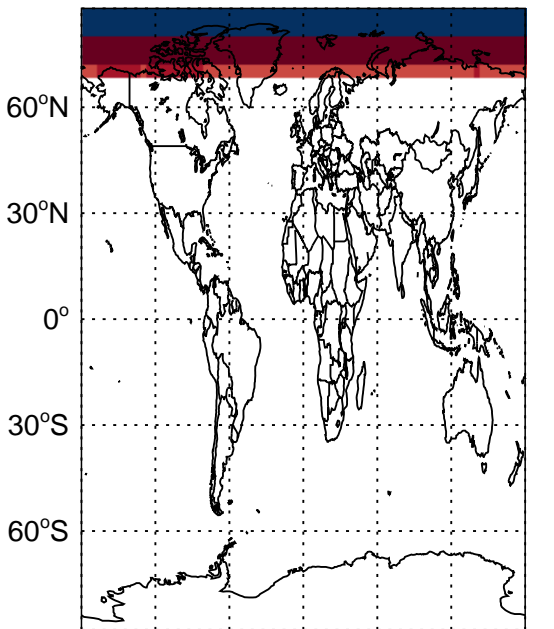


v11-01k-Run0 - v11-01f-geosfp-Run0

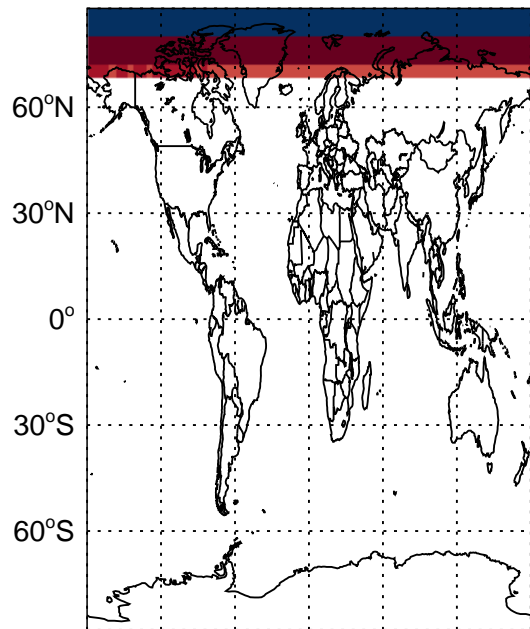
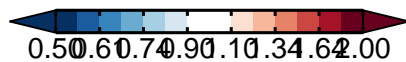
v11-01k-Run0 - v11-01f-geosfp-Run0

JALD2 - J-Value Ratio @ surface for Jan

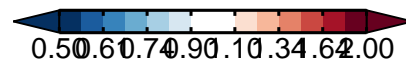
JALD2 - J-Value Ratio @ 500 hPa for Jan



180° 120°W 60°W 0° 60°E 120°E 180°



180° 120°W 60°W 0° 60°E 120°E 180°



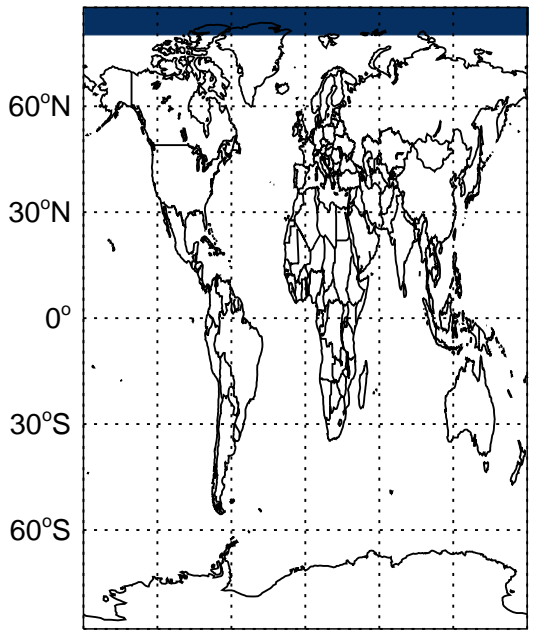
GEOS-Chem J-Values at surface and 500 hPa

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

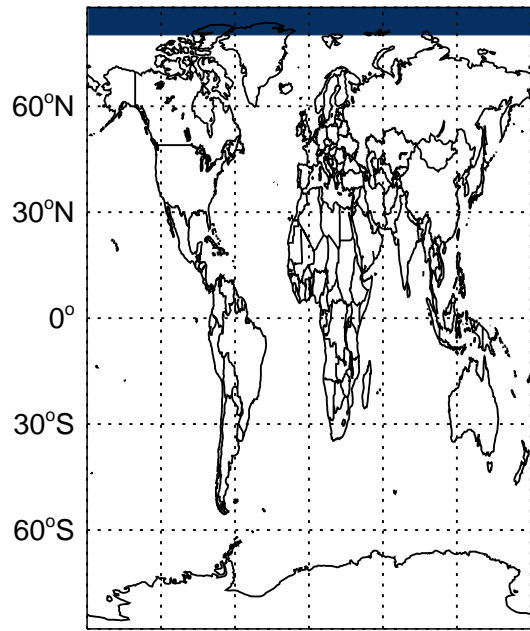
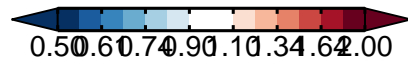
v11-01k-Run0 - v11-01g-Run0

JMK - J-Value Ratio @ surface for Jan

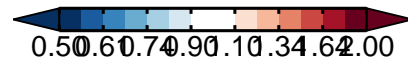
JMK - J-Value Ratio @ 500 hPa for Jan



180° 120°W 60°W 0° 60°E 120°E 180°



180° 120°W 60°W 0° 60°E 120°E 180°

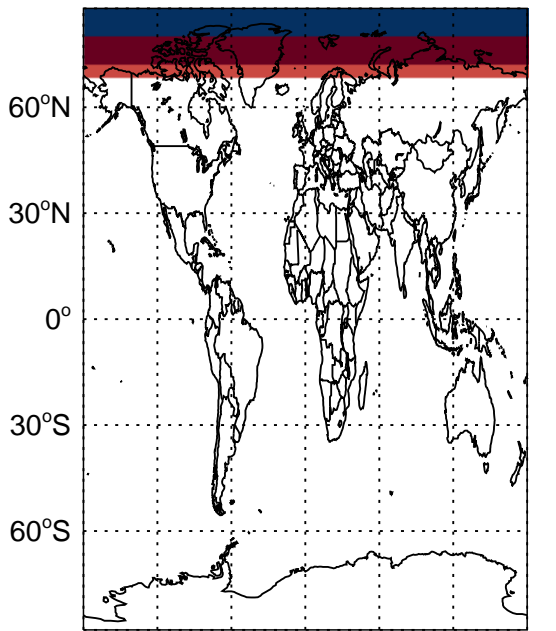


v11-01k-Run0 - v11-01f-geosfp-Run0

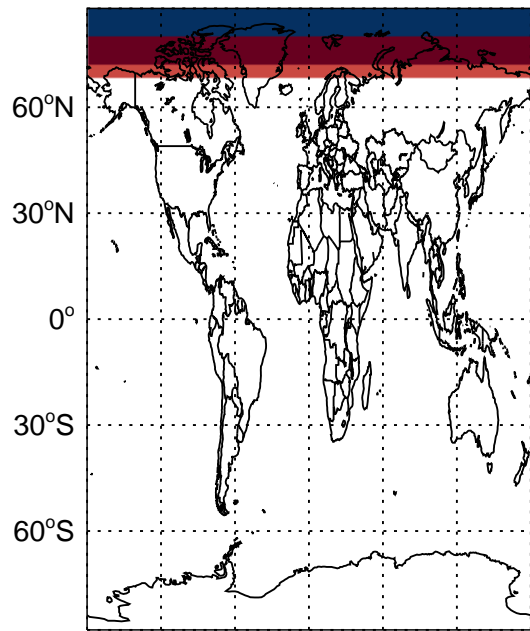
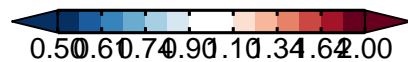
v11-01k-Run0 - v11-01f-geosfp-Run0

JMK - J-Value Ratio @ surface for Jan

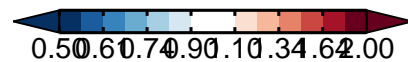
JMK - J-Value Ratio @ 500 hPa for Jan



180° 120°W 60°W 0° 60°E 120°E 180°



180° 120°W 60°W 0° 60°E 120°E 180°





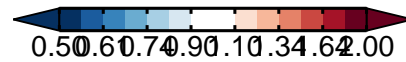
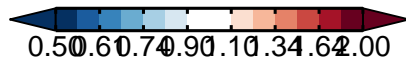
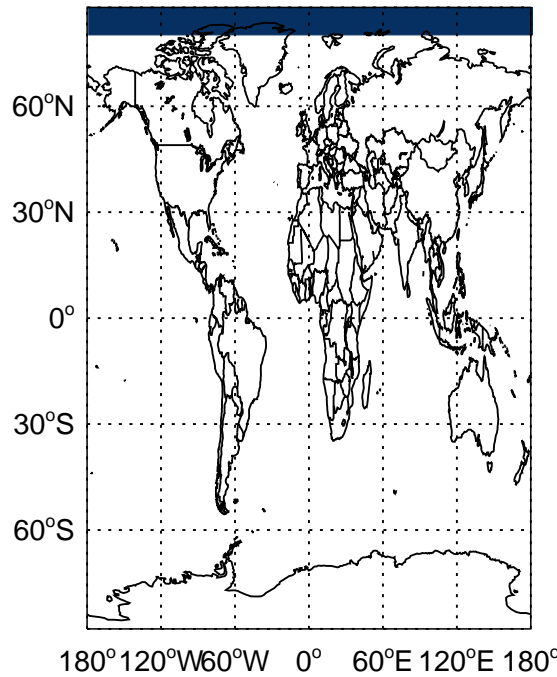
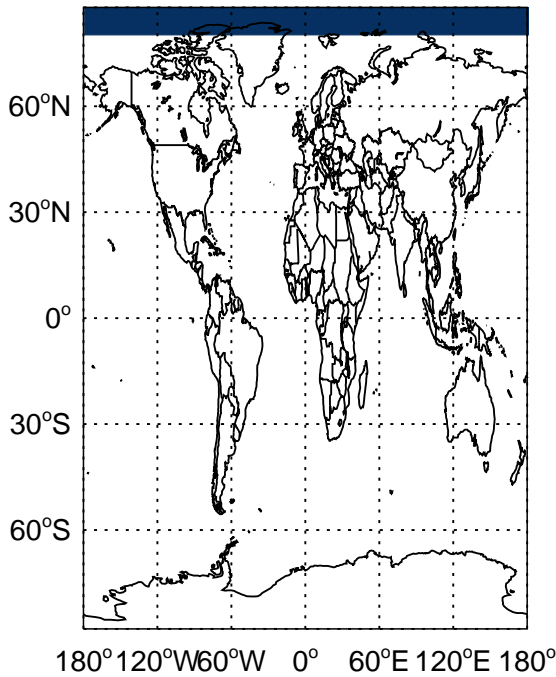
GEOS-Chem J-Values at surface and 500 hPa

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

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

JMACR - J-Value Ratio @ surface for Jan

JMACR - J-Value Ratio @ 500 hPa for Jan

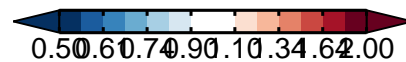
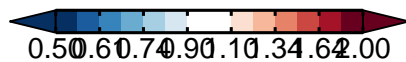
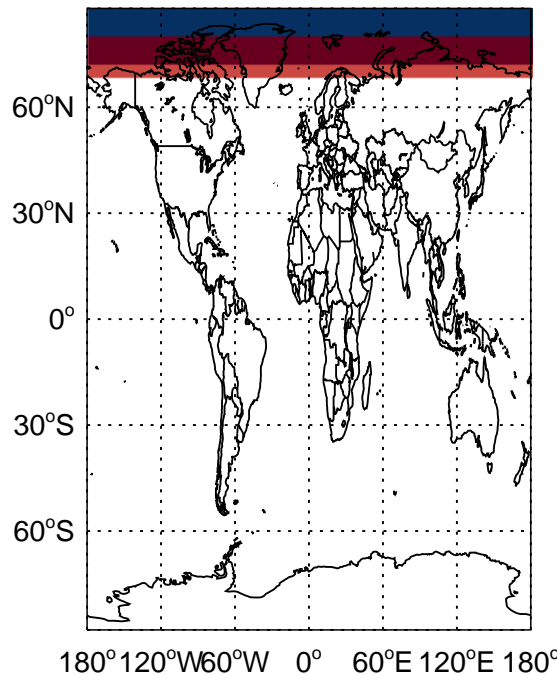
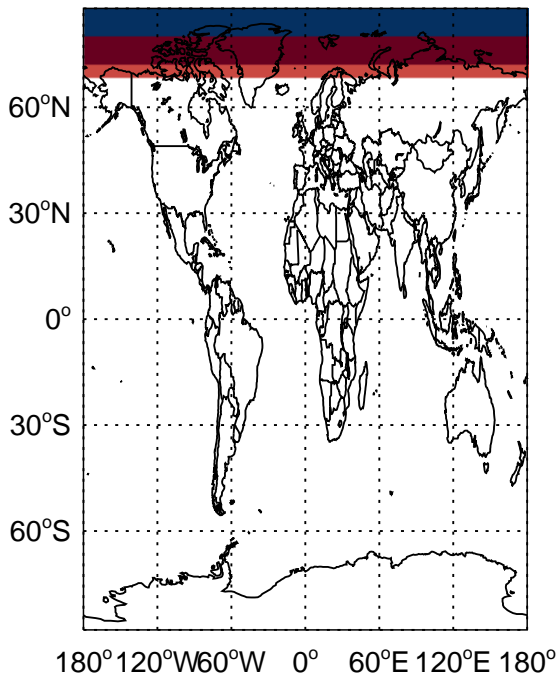


v11-01k-Run0 - v11-01f-geosfp-Run0

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

JMACR - J-Value Ratio @ surface for Jan

JMACR - J-Value Ratio @ 500 hPa for Jan



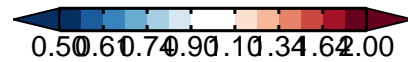
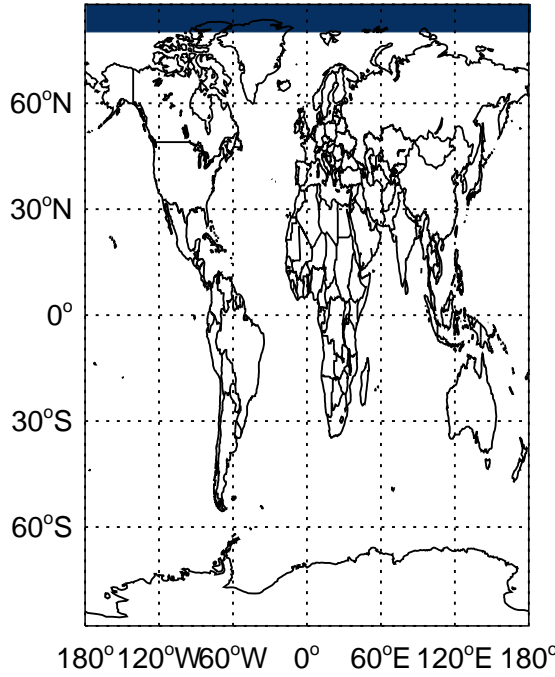
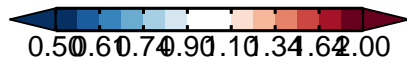
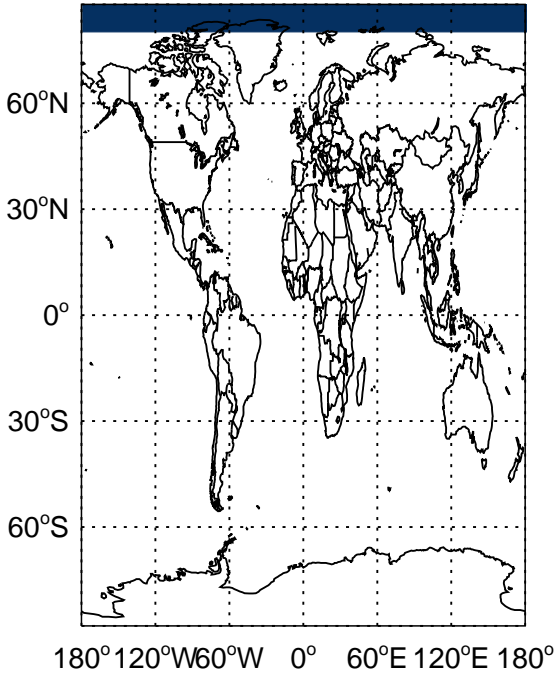
GEOS-Chem J-Values at surface and 500 hPa

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

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

JCH2O - J-Value Ratio @ surface for Jan

JCH2O - J-Value Ratio @ 500 hPa for Jan

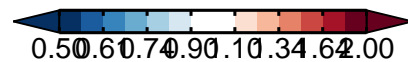
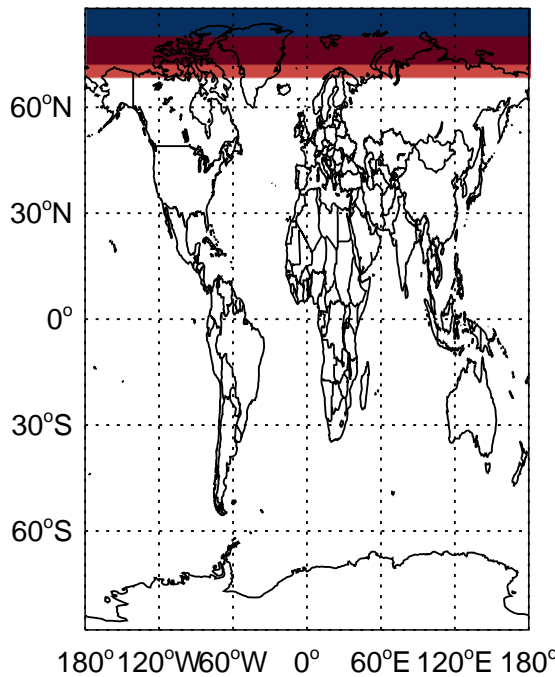
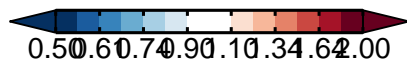
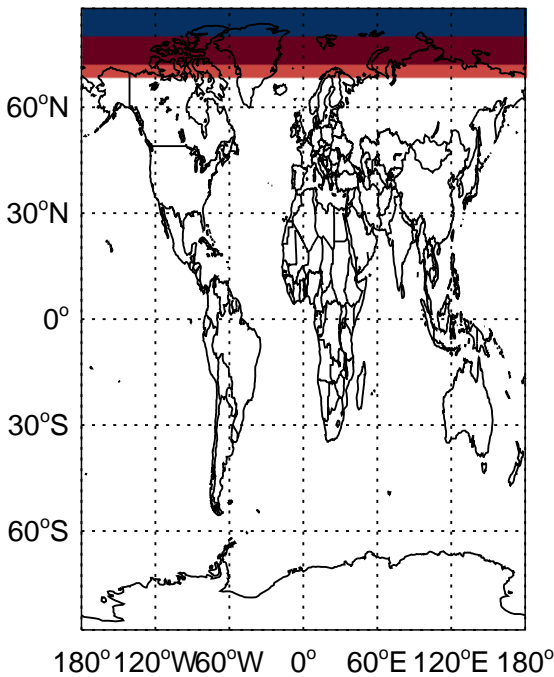


v11-01k-Run0 - v11-01f-geosfp-Run0

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

JCH2O - J-Value Ratio @ surface for Jan

JCH2O - J-Value Ratio @ 500 hPa for Jan



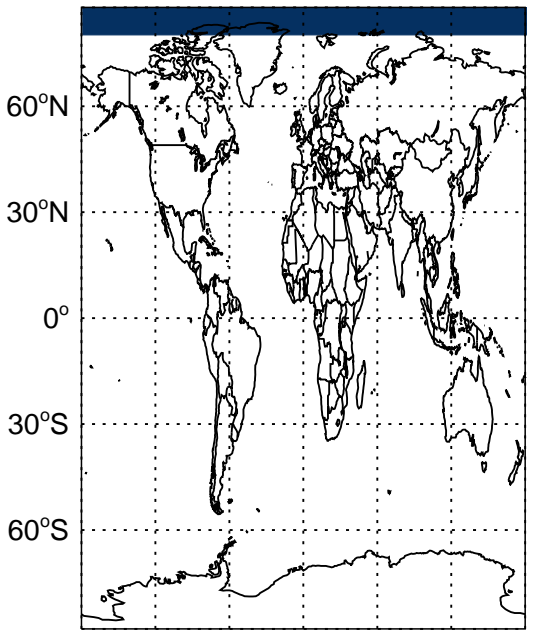
GEOS-Chem J-Values at surface and 500 hPa

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

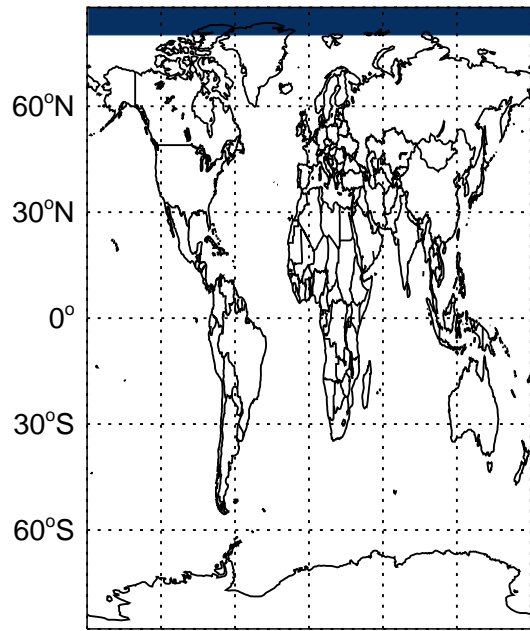
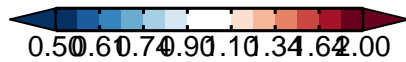
v11-01k-Run0 - v11-01g-Run0

JBr2 - J-Value Ratio @ surface for Jan

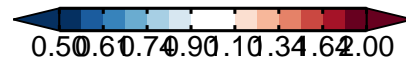
JBr2 - J-Value Ratio @ 500 hPa for Jan



180° 120°W 60°W 0° 60°E 120°E 180°



180° 120°W 60°W 0° 60°E 120°E 180°

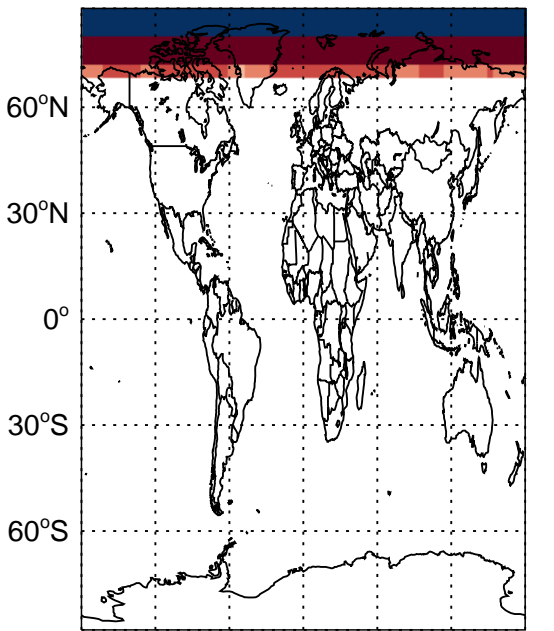


v11-01k-Run0 - v11-01f-geosfp-Run0

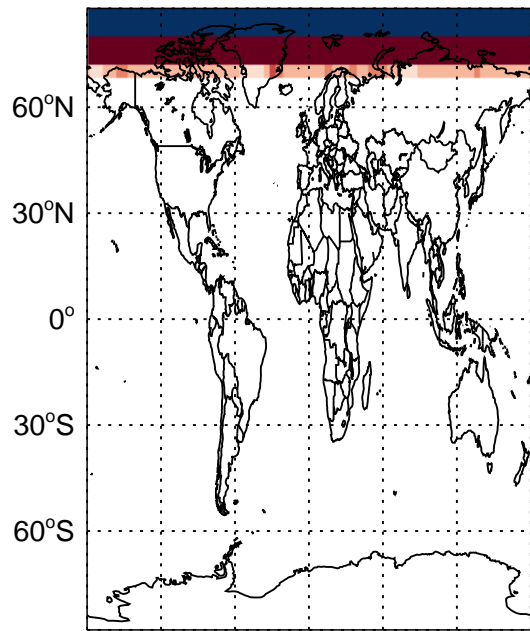
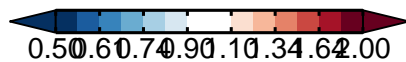
v11-01k-Run0 - v11-01f-geosfp-Run0

JBr2 - J-Value Ratio @ surface for Jan

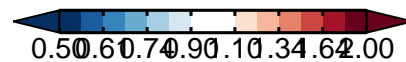
JBr2 - J-Value Ratio @ 500 hPa for Jan



180° 120°W 60°W 0° 60°E 120°E 180°



180° 120°W 60°W 0° 60°E 120°E 180°



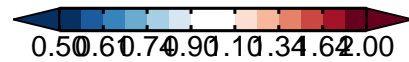
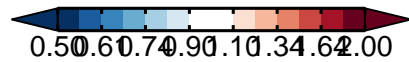
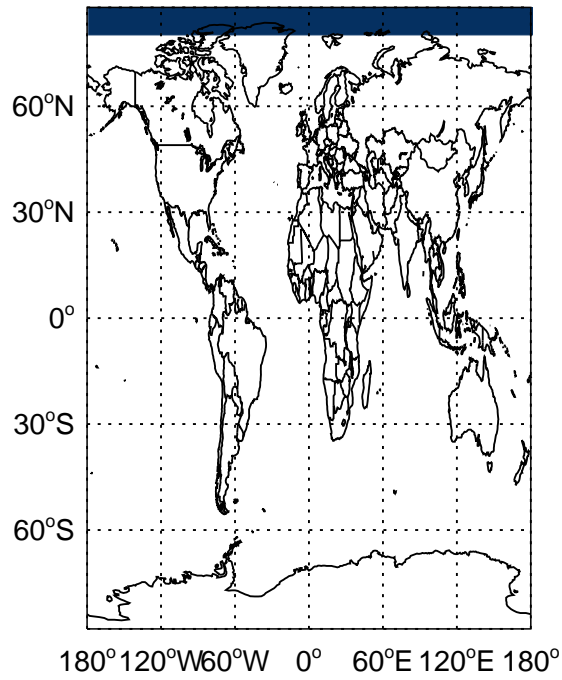
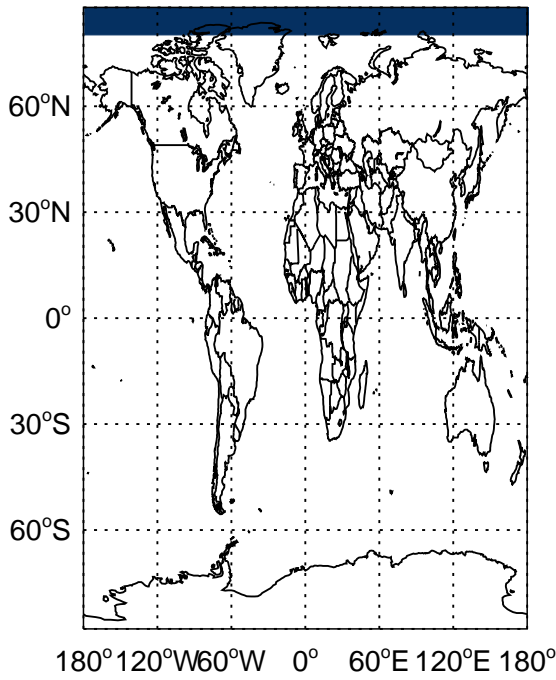
GEOS-Chem J-Values at surface and 500 hPa

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

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

JBrO - J-Value Ratio @ surface for Jan

JBrO - J-Value Ratio @ 500 hPa for Jan

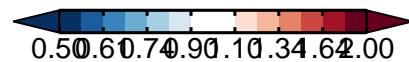
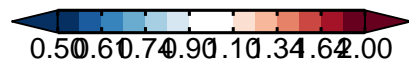
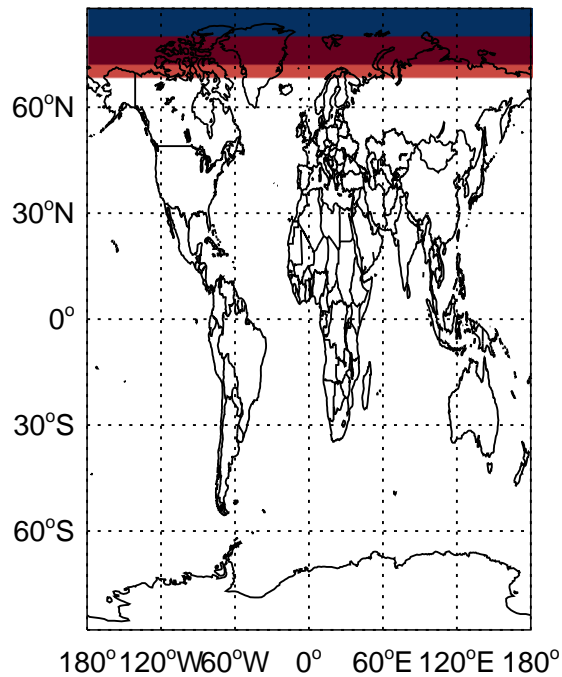
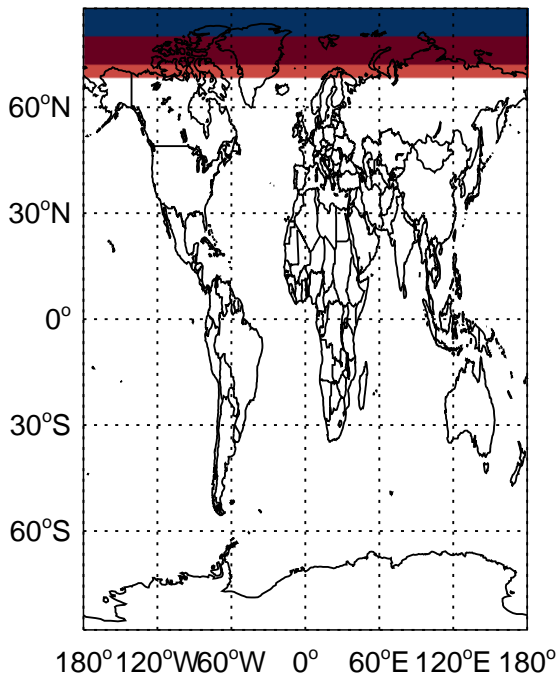


v11-01k-Run0 - v11-01f-geosfp-Run0

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

JBrO - J-Value Ratio @ surface for Jan

JBrO - J-Value Ratio @ 500 hPa for Jan



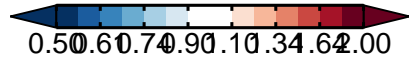
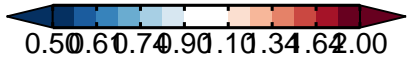
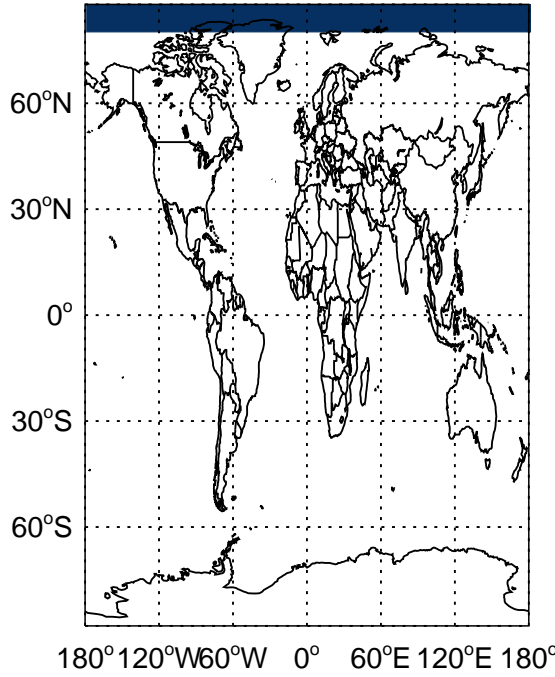
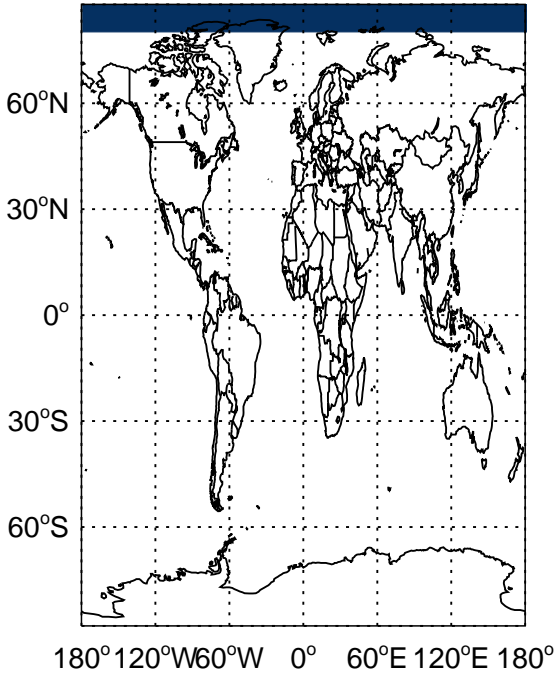
GEOS-Chem J-Values at surface and 500 hPa

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

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

JHOBr - J-Value Ratio @ surface for Jan

JHOBr - J-Value Ratio @ 500 hPa for Jan

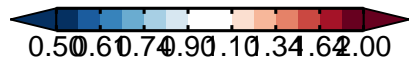
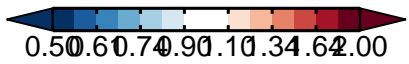
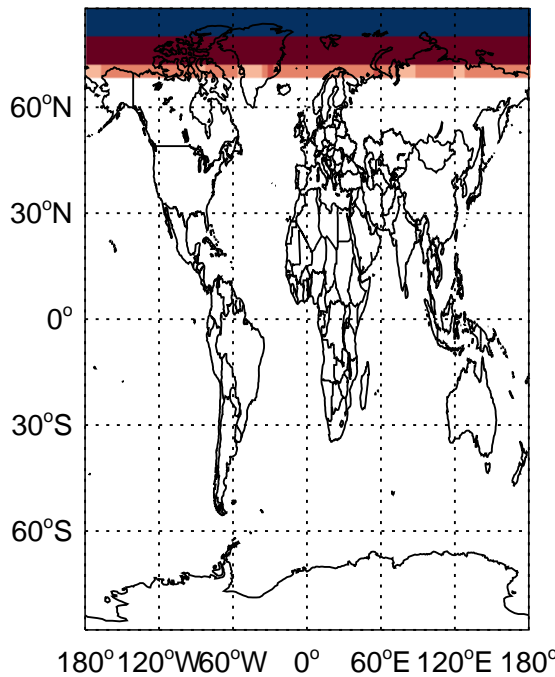
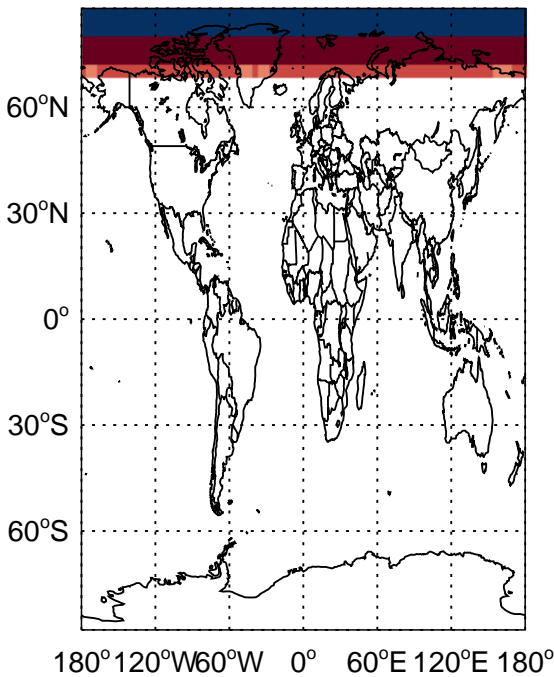


v11-01k-Run0 - v11-01f-geosfp-Run0

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

JHOBr - J-Value Ratio @ surface for Jan

JHOBr - J-Value Ratio @ 500 hPa for Jan



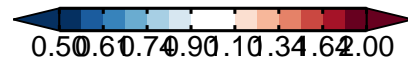
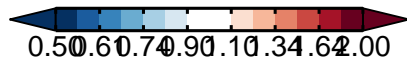
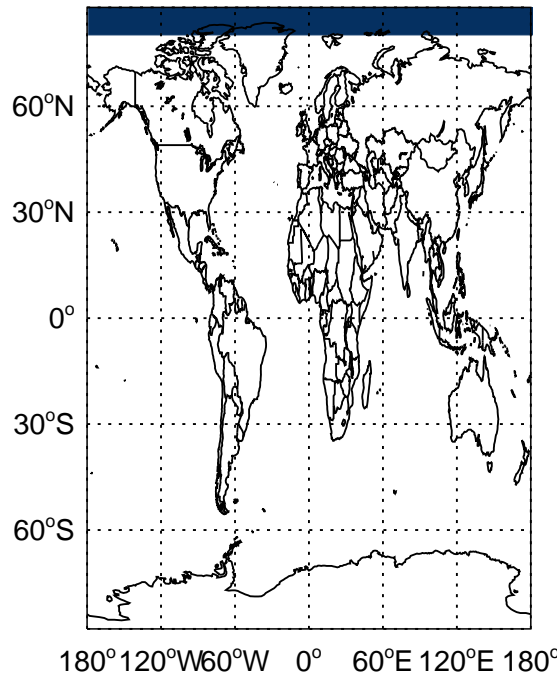
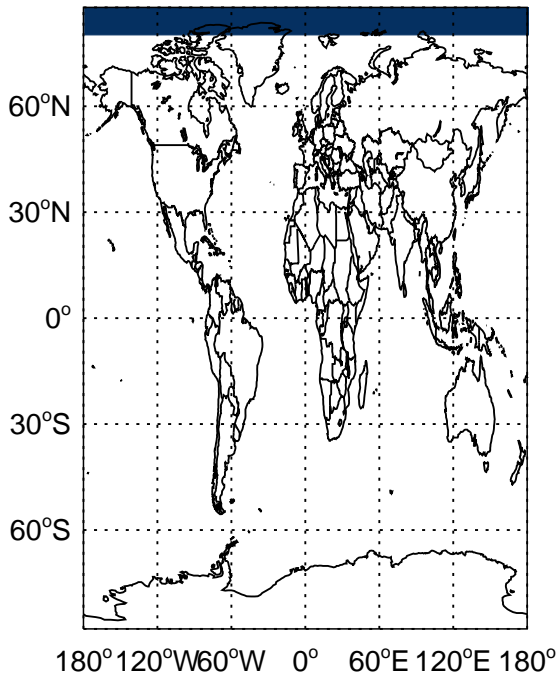
GEOS-Chem J-Values at surface and 500 hPa

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

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

JBrNO2 - J-Value Ratio @ surface for Jan

JBrNO2 - J-Value Ratio @ 500 hPa for Jan

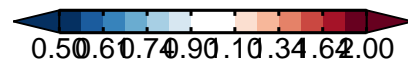
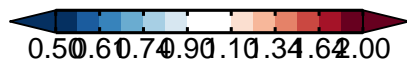
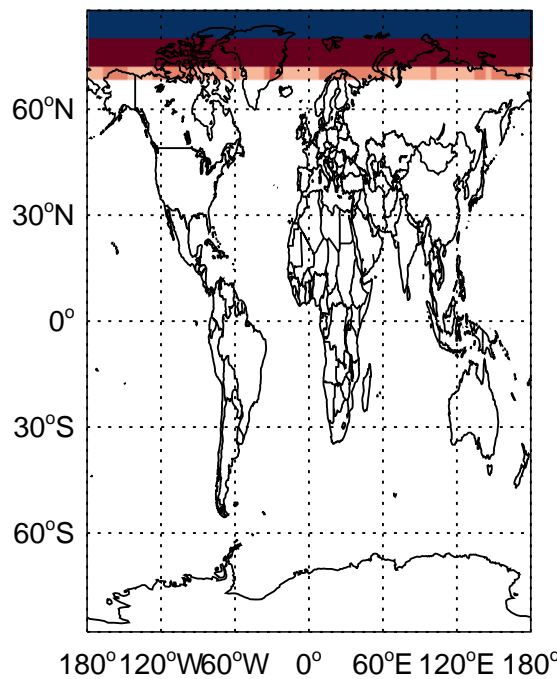
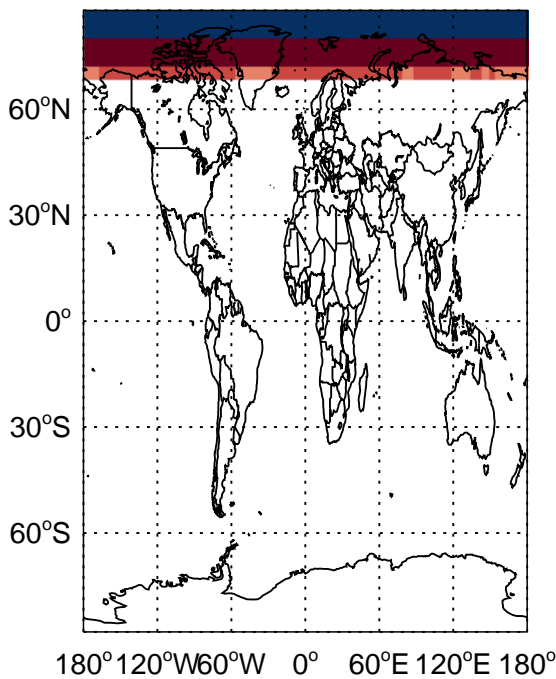


v11-01k-Run0 - v11-01f-geosfp-Run0

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

JBrNO2 - J-Value Ratio @ surface for Jan

JBrNO2 - J-Value Ratio @ 500 hPa for Jan



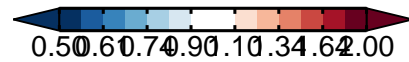
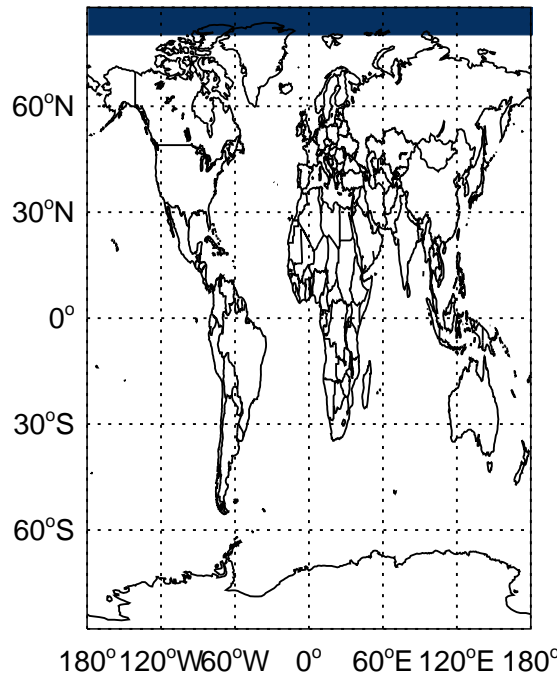
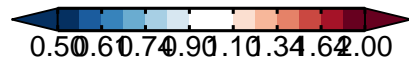
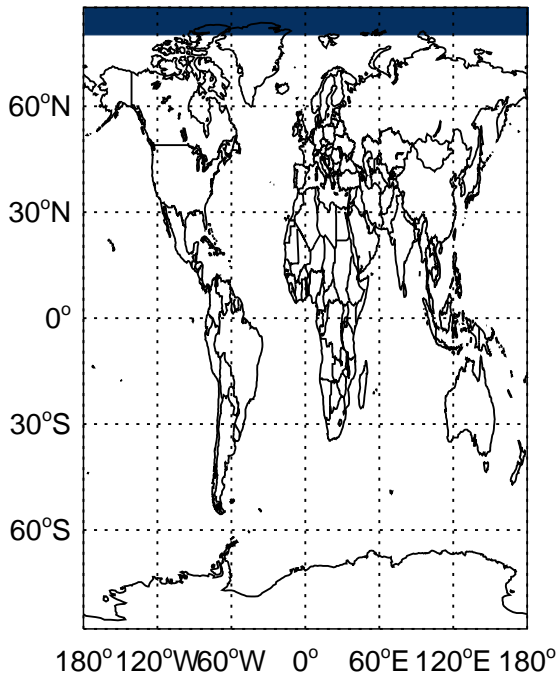
GEOS-Chem J-Values at surface and 500 hPa

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

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

JBrNO3 - J-Value Ratio @ surface for Jan

JBrNO3 - J-Value Ratio @ 500 hPa for Jan

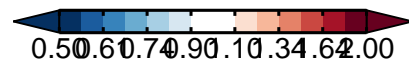
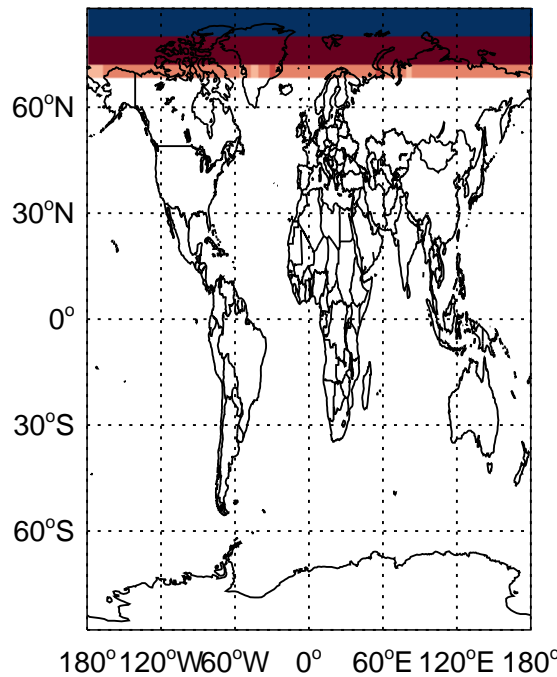
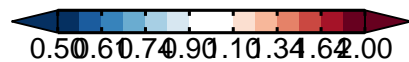
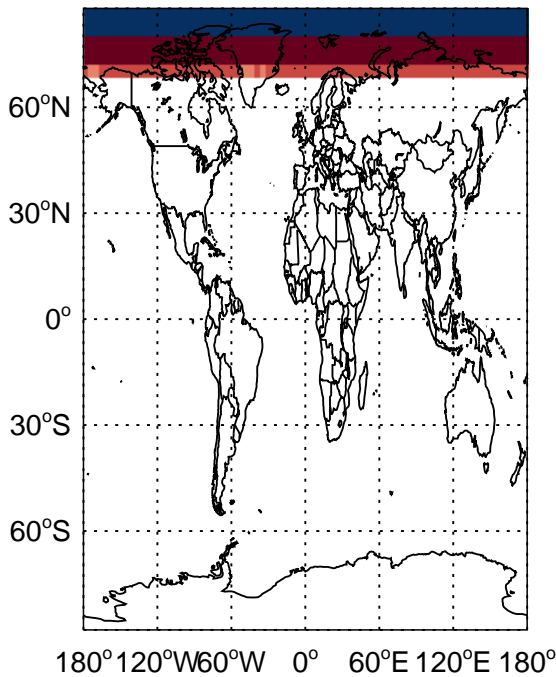


v11-01k-Run0 - v11-01f-geosfp-Run0

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

JBrNO3 - J-Value Ratio @ surface for Jan

JBrNO3 - J-Value Ratio @ 500 hPa for Jan



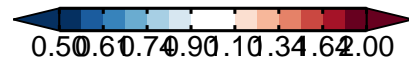
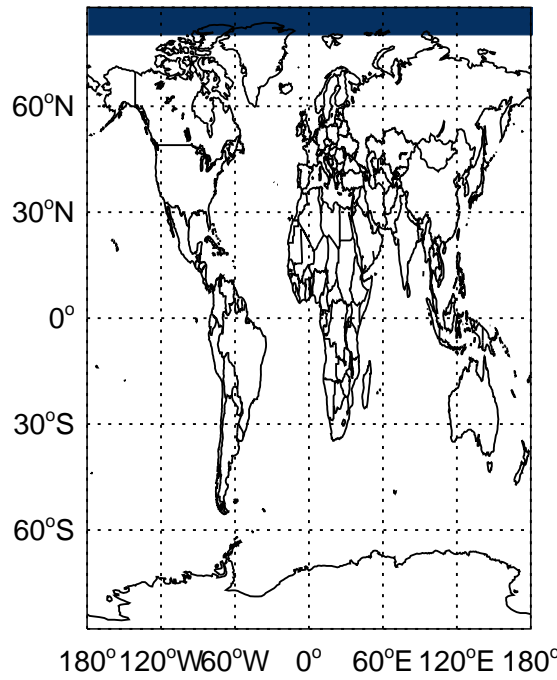
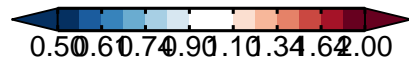
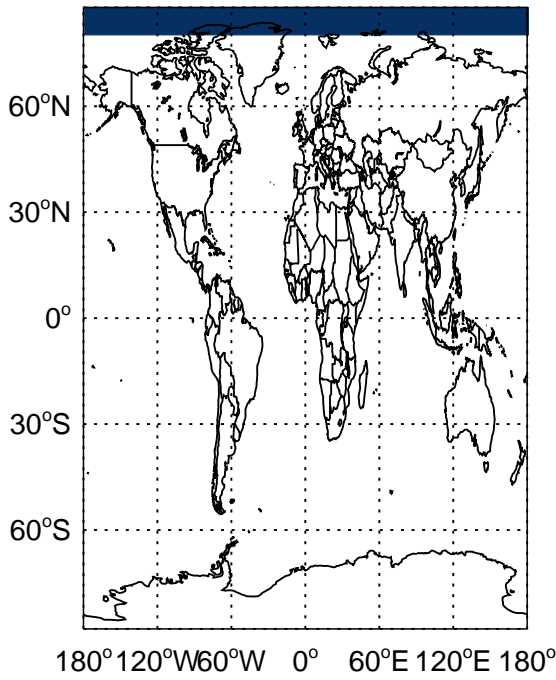
GEOS-Chem J-Values at surface and 500 hPa

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

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

JCHBr3 - J-Value Ratio @ surface for Jan

JCHBr3 - J-Value Ratio @ 500 hPa for Jan

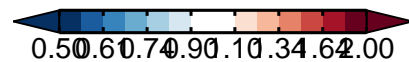
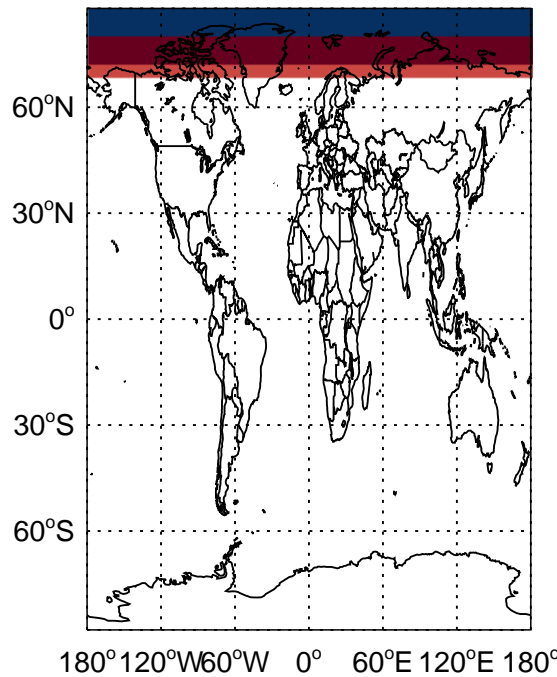
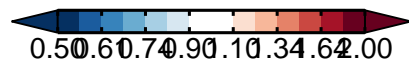
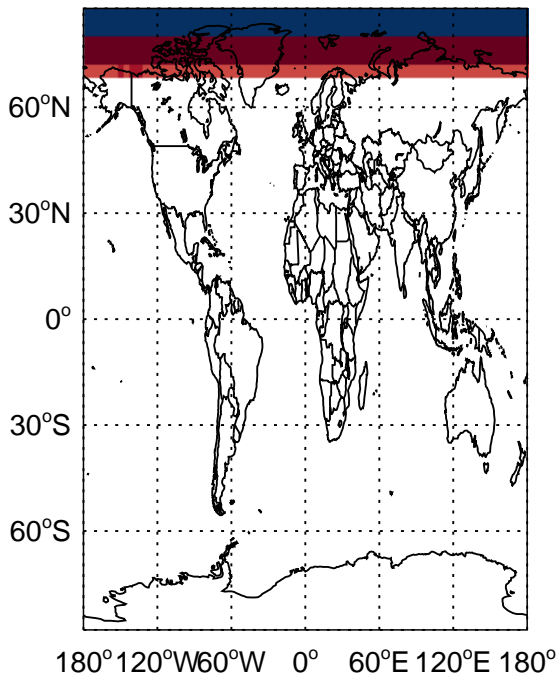


v11-01k-Run0 - v11-01f-geosfp-Run0

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

JCHBr3 - J-Value Ratio @ surface for Jan

JCHBr3 - J-Value Ratio @ 500 hPa for Jan





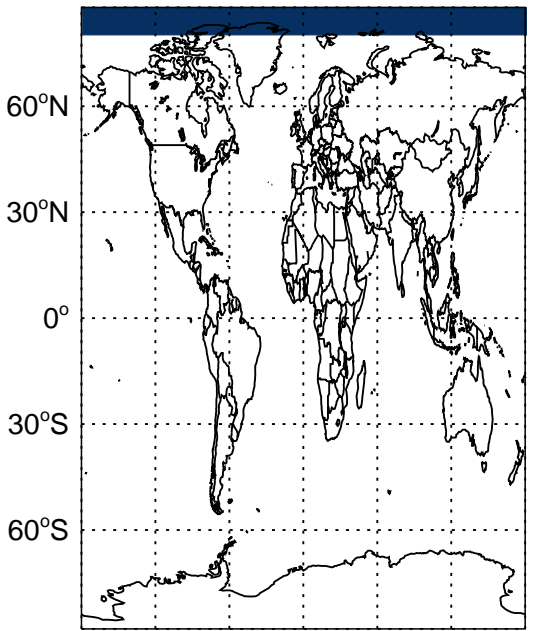
GEOS-Chem J-Values at surface and 500 hPa

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

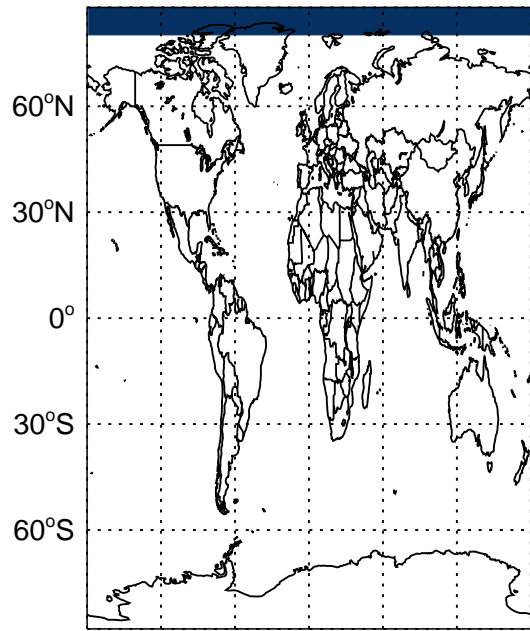
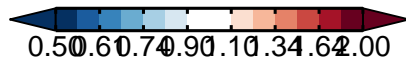
v11-01k-Run0 - v11-01g-Run0

JHAC - J-Value Ratio @ surface for Jan

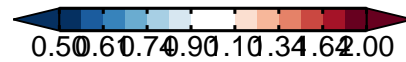
JHAC - J-Value Ratio @ 500 hPa for Jan



180° 120°W 60°W 0° 60°E 120°E 180°



180° 120°W 60°W 0° 60°E 120°E 180°

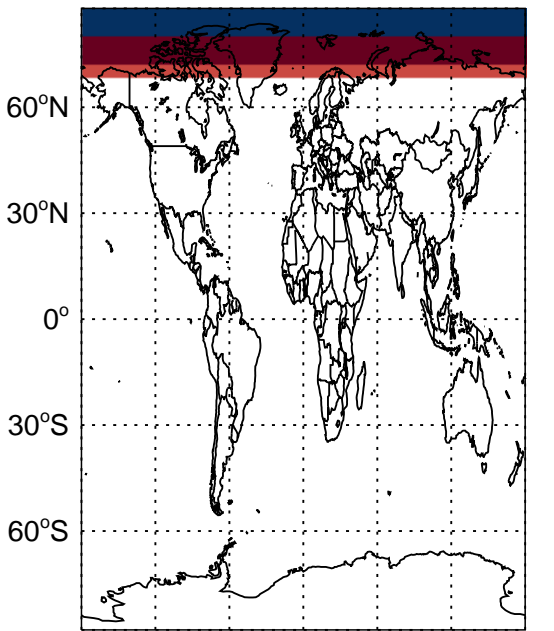


v11-01k-Run0 - v11-01f-geosfp-Run0

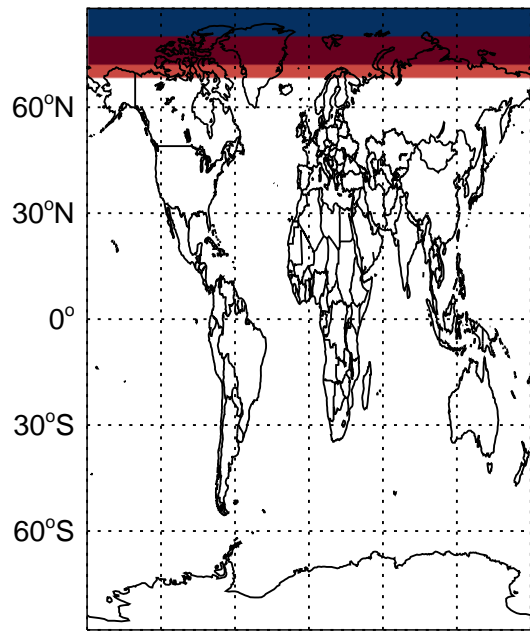
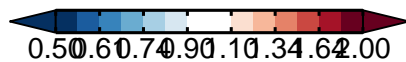
v11-01k-Run0 - v11-01f-geosfp-Run0

JHAC - J-Value Ratio @ surface for Jan

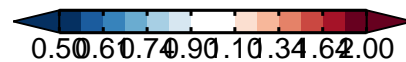
JHAC - J-Value Ratio @ 500 hPa for Jan



180° 120°W 60°W 0° 60°E 120°E 180°



180° 120°W 60°W 0° 60°E 120°E 180°



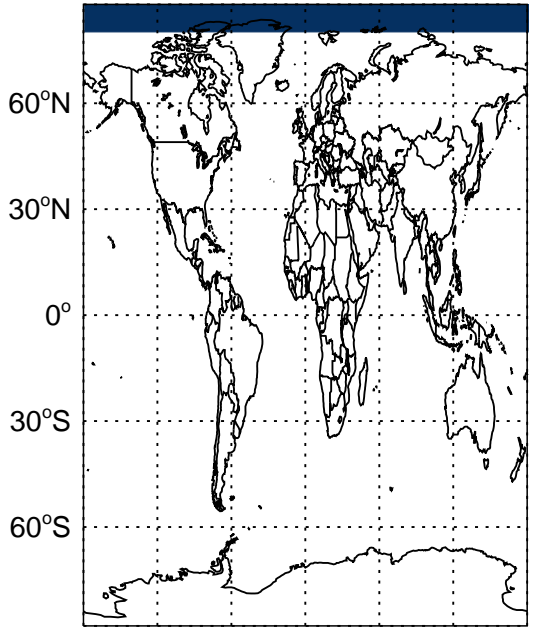
GEOS-Chem J-Values at surface and 500 hPa

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

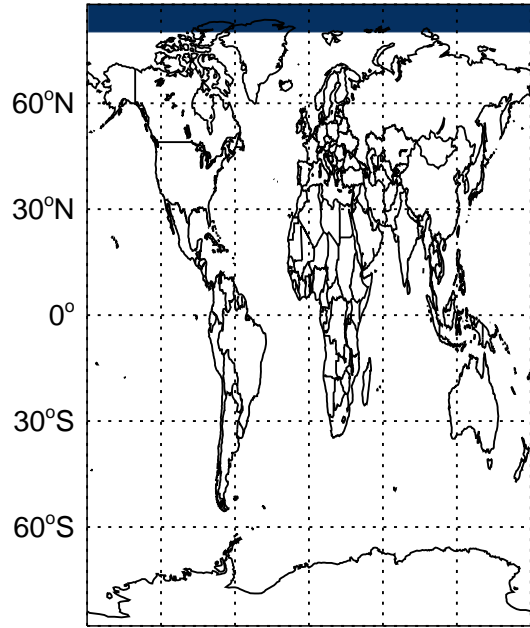
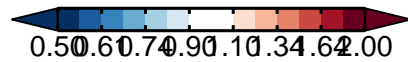
v11-01k-Run0 - v11-01g-Run0

JGLYC - J-Value Ratio @ surface for Jan

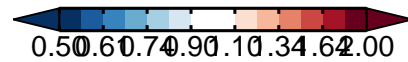
JGLYC - J-Value Ratio @ 500 hPa for Jan



180° 120°W 60°W 0° 60°E 120°E 180°



180° 120°W 60°W 0° 60°E 120°E 180°

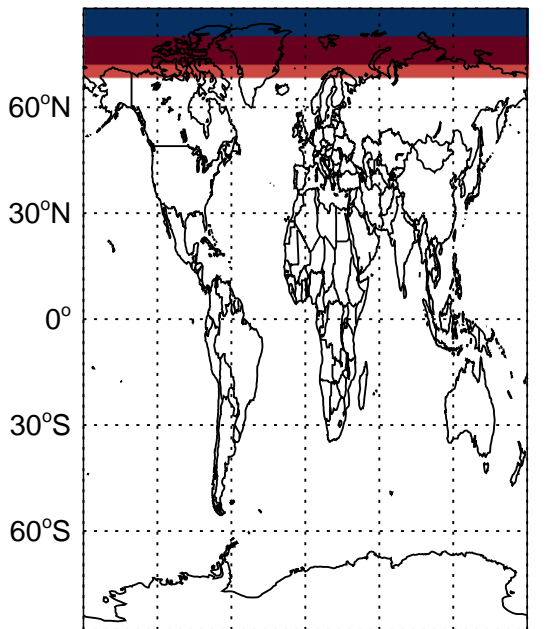


v11-01k-Run0 - v11-01f-geosfp-Run0

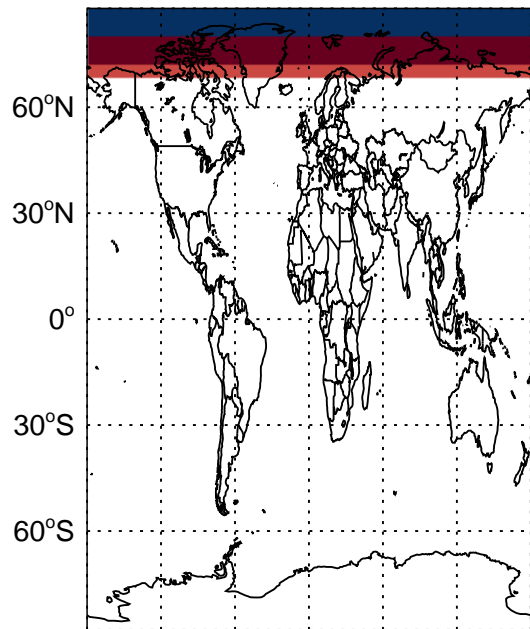
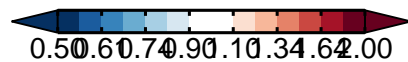
v11-01k-Run0 - v11-01f-geosfp-Run0

JGLYC - J-Value Ratio @ surface for Jan

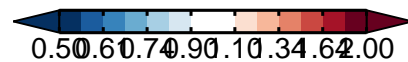
JGLYC - J-Value Ratio @ 500 hPa for Jan



180° 120°W 60°W 0° 60°E 120°E 180°



180° 120°W 60°W 0° 60°E 120°E 180°



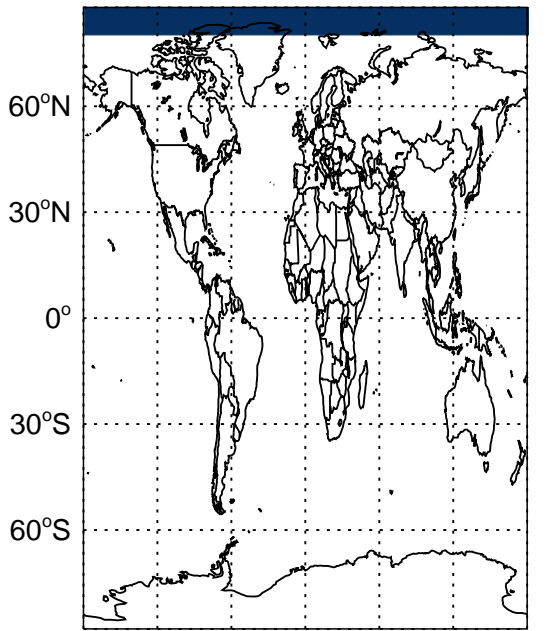
GEOS-Chem J-Values at surface and 500 hPa

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

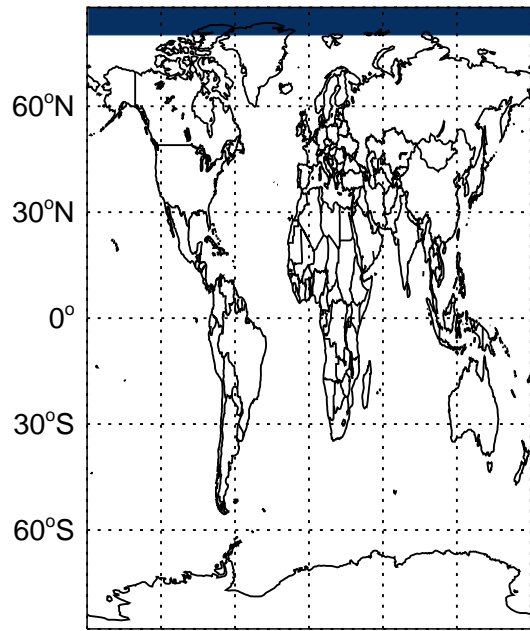
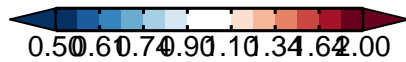
v11-01k-Run0 - v11-01g-Run0

JNO2 - J-Value Ratio @ surface for Jan

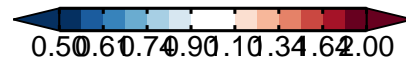
JNO2 - J-Value Ratio @ 500 hPa for Jan



180° 120°W 60°W 0° 60°E 120°E 180°



180° 120°W 60°W 0° 60°E 120°E 180°

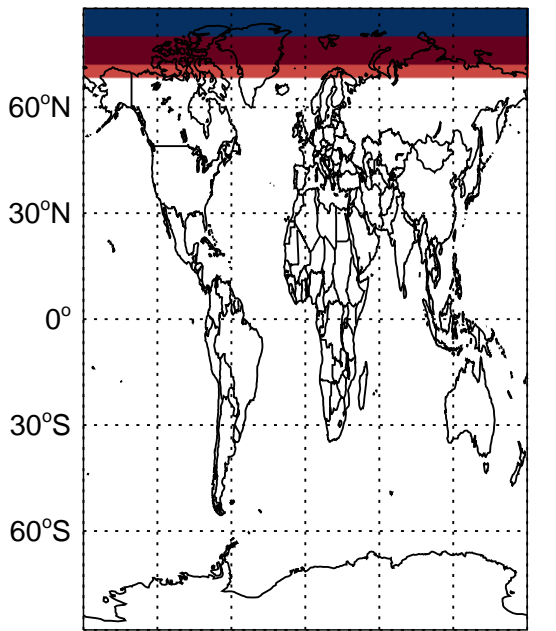


v11-01k-Run0 - v11-01f-geosfp-Run0

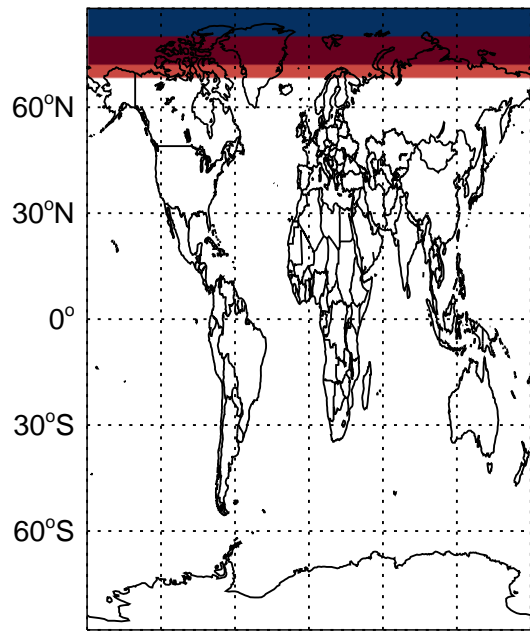
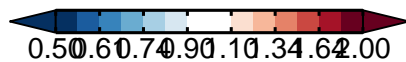
v11-01k-Run0 - v11-01f-geosfp-Run0

JNO2 - J-Value Ratio @ surface for Jan

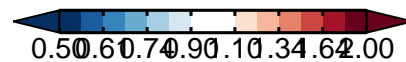
JNO2 - J-Value Ratio @ 500 hPa for Jan



180° 120°W 60°W 0° 60°E 120°E 180°



180° 120°W 60°W 0° 60°E 120°E 180°



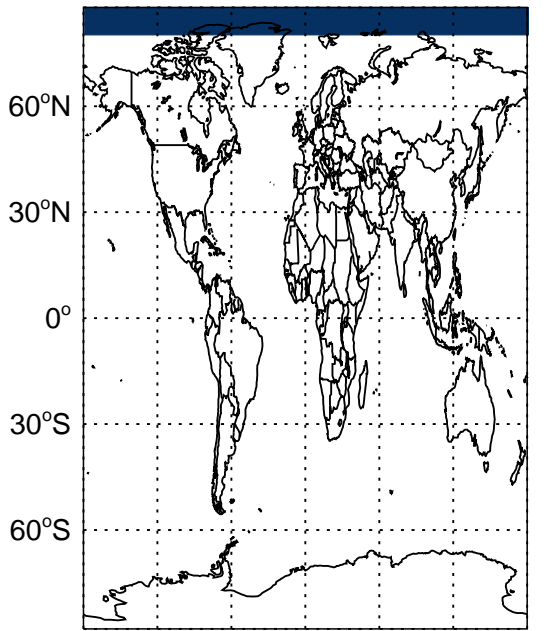
GEOS-Chem J-Values at surface and 500 hPa

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

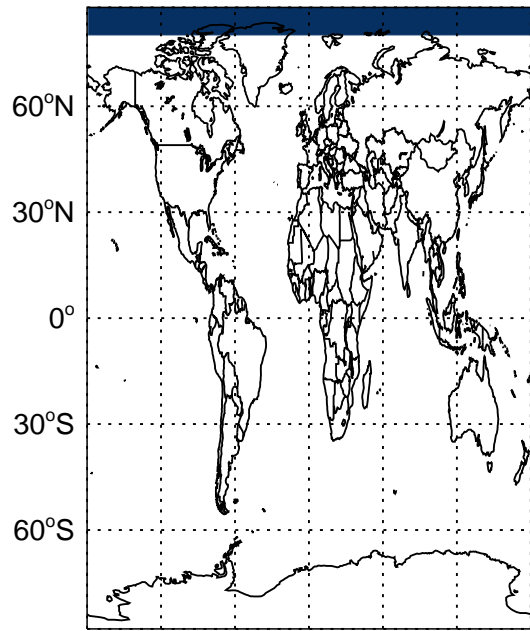
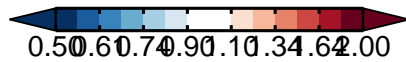
v11-01k-Run0 - v11-01g-Run0

JNO3 - J-Value Ratio @ surface for Jan

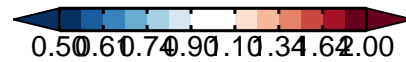
JNO3 - J-Value Ratio @ 500 hPa for Jan



180° 120°W 60°W 0° 60°E 120°E 180°



180° 120°W 60°W 0° 60°E 120°E 180°

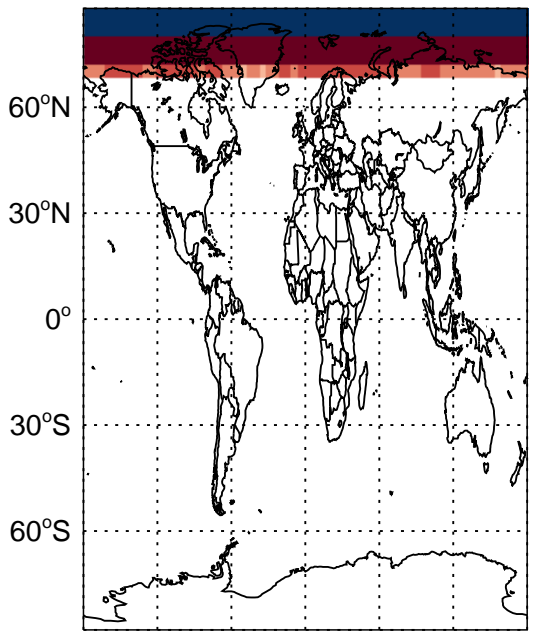


v11-01k-Run0 - v11-01f-geosfp-Run0

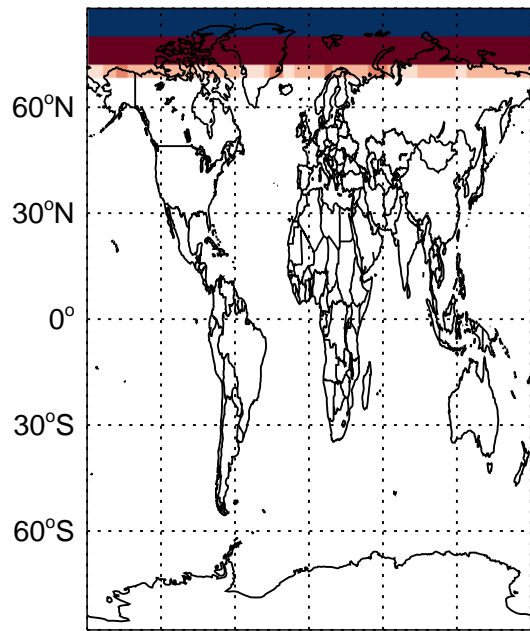
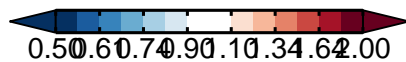
v11-01k-Run0 - v11-01f-geosfp-Run0

JNO3 - J-Value Ratio @ surface for Jan

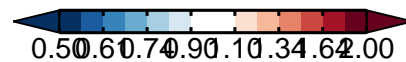
JNO3 - J-Value Ratio @ 500 hPa for Jan



180° 120°W 60°W 0° 60°E 120°E 180°



180° 120°W 60°W 0° 60°E 120°E 180°



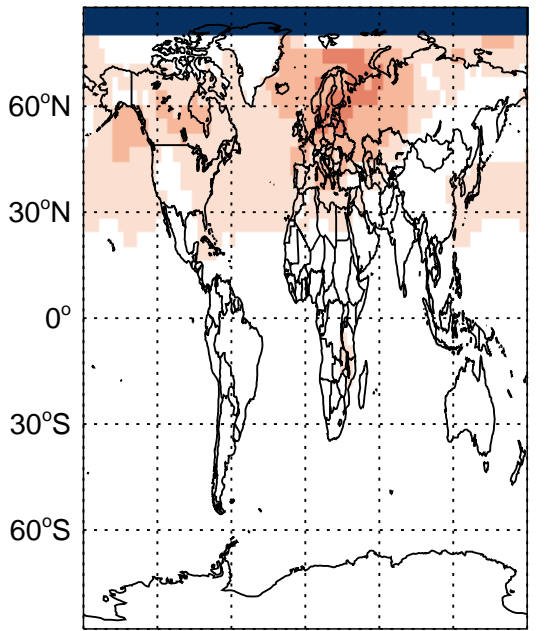
GEOS-Chem J-Values at surface and 500 hPa

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

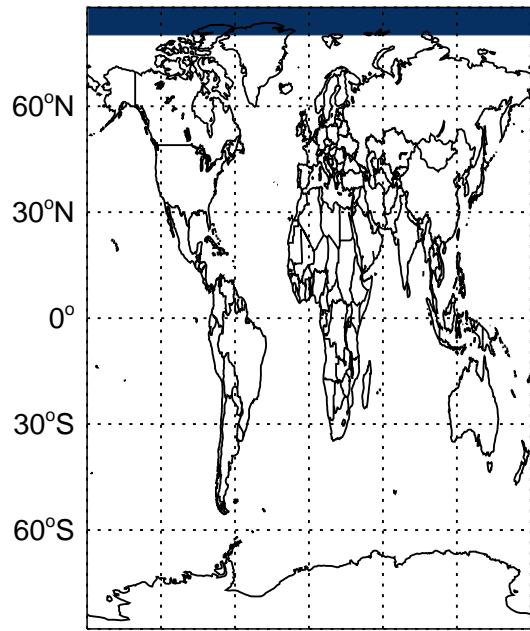
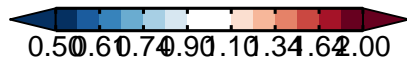
v11-01k-Run0 - v11-01g-Run0

JN2O - J-Value Ratio @ surface for Jan

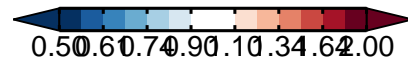
JN2O - J-Value Ratio @ 500 hPa for Jan



180° 120°W 60°W 0° 60°E 120°E 180°



180° 120°W 60°W 0° 60°E 120°E 180°

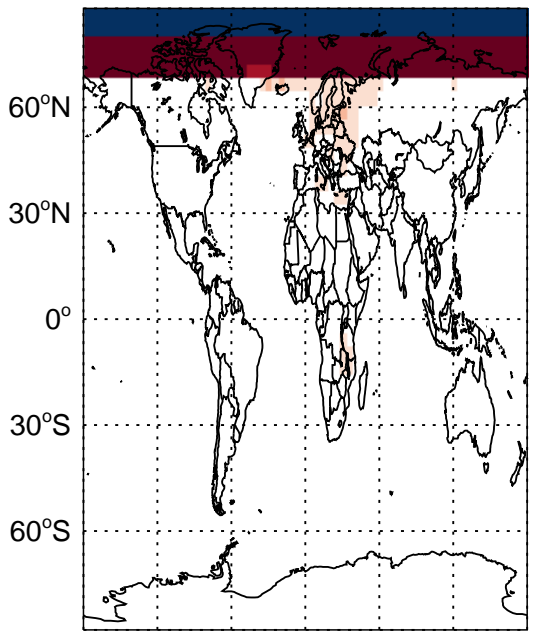


v11-01k-Run0 - v11-01f-geosfp-Run0

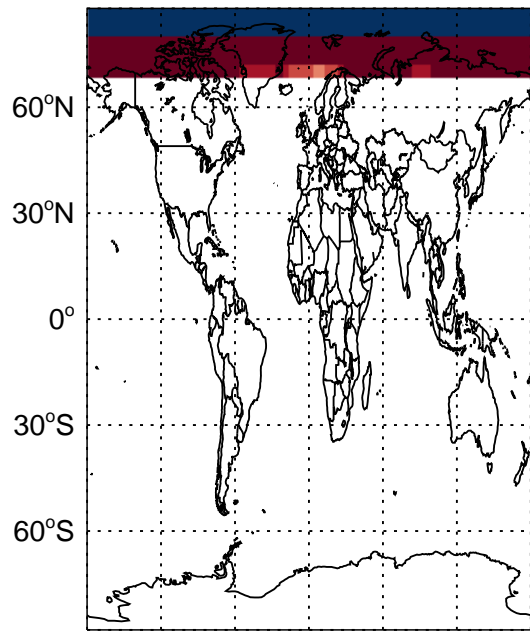
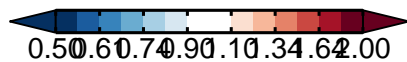
v11-01k-Run0 - v11-01f-geosfp-Run0

JN2O - J-Value Ratio @ surface for Jan

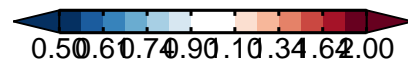
JN2O - J-Value Ratio @ 500 hPa for Jan



180° 120°W 60°W 0° 60°E 120°E 180°



180° 120°W 60°W 0° 60°E 120°E 180°



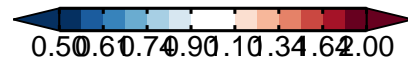
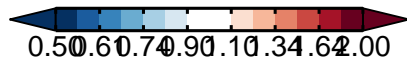
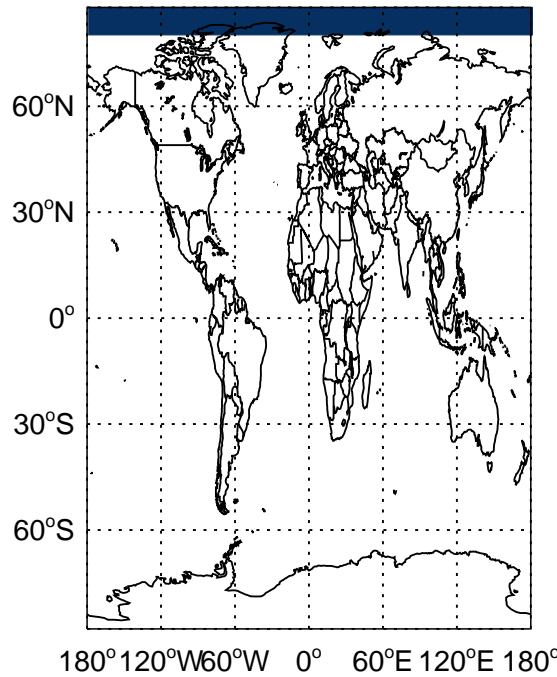
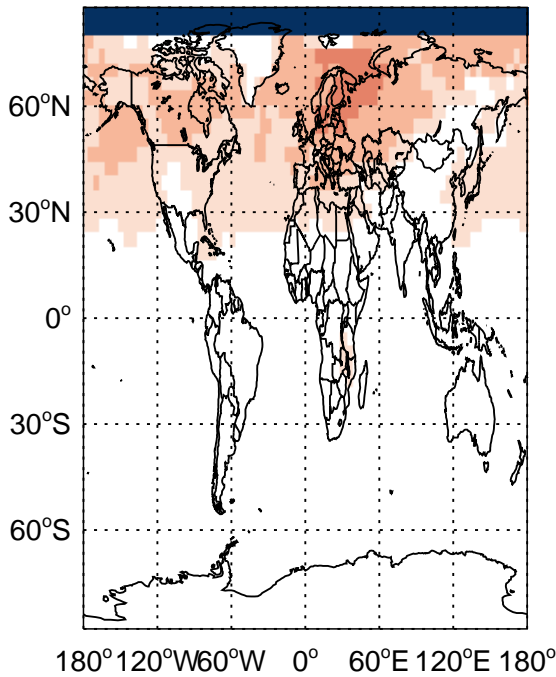
GEOS-Chem J-Values at surface and 500 hPa

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

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

JCC14 - J-Value Ratio @ surface for Jan

JCC14 - J-Value Ratio @ 500 hPa for Jan

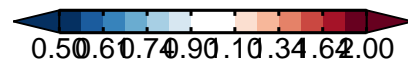
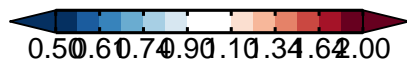
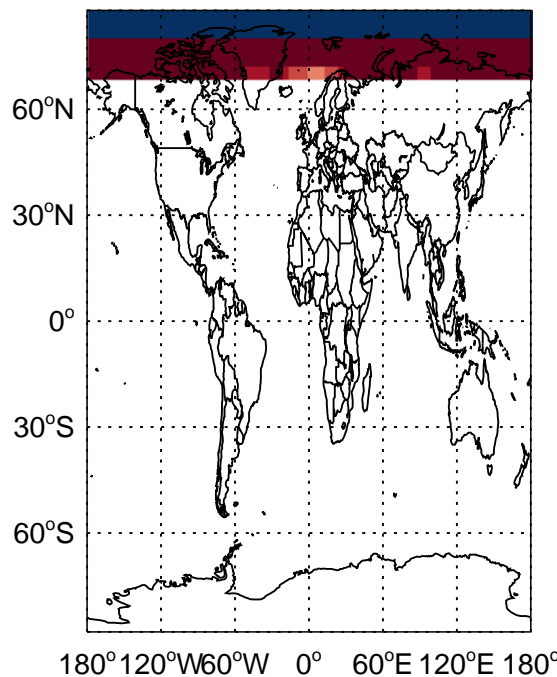
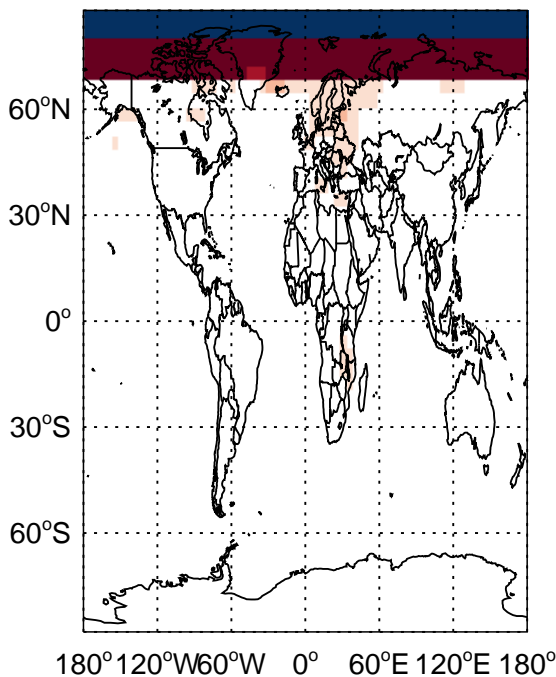


v11-01k-Run0 - v11-01f-geosfp-Run0

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

JCC14 - J-Value Ratio @ surface for Jan

JCC14 - J-Value Ratio @ 500 hPa for Jan



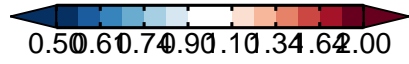
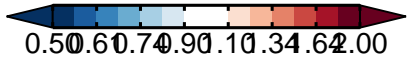
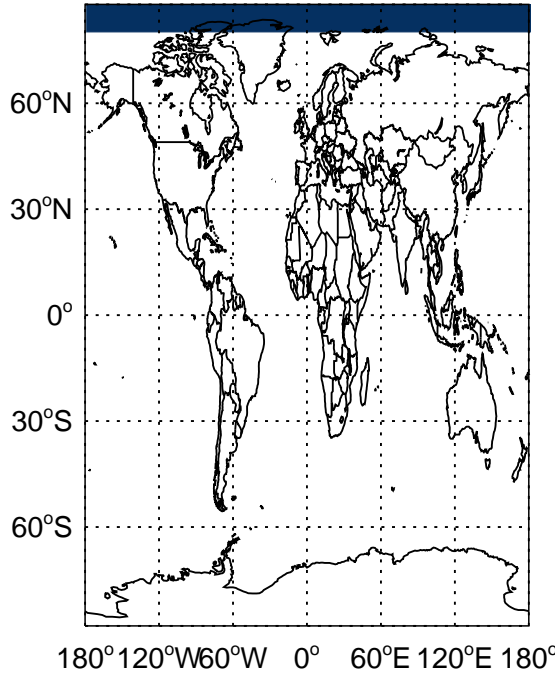
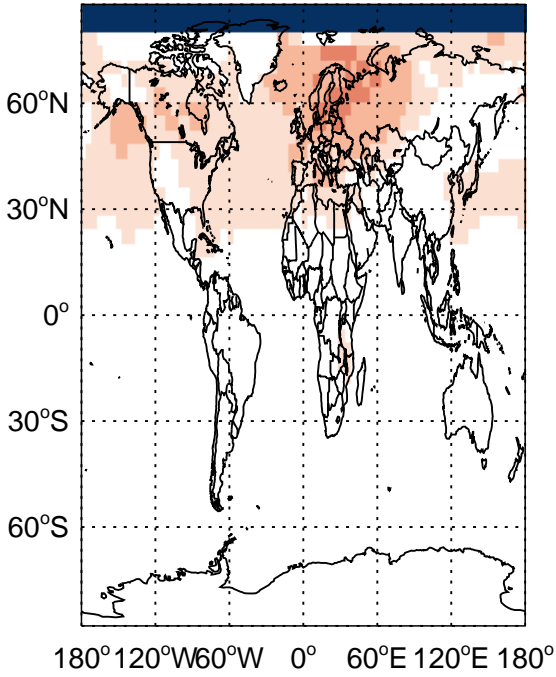
GEOS-Chem J-Values at surface and 500 hPa

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

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

JCH3Cl - J-Value Ratio @ surface for Jan

JCH3Cl - J-Value Ratio @ 500 hPa for Jan

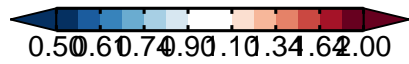
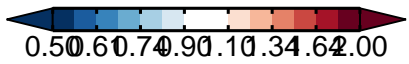
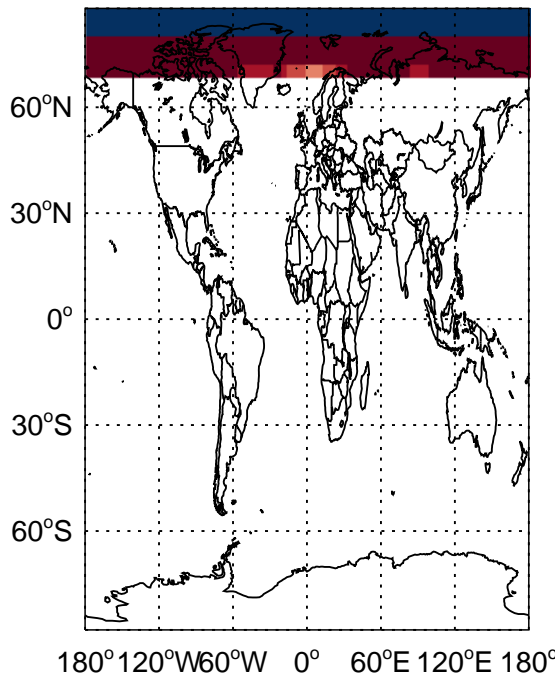
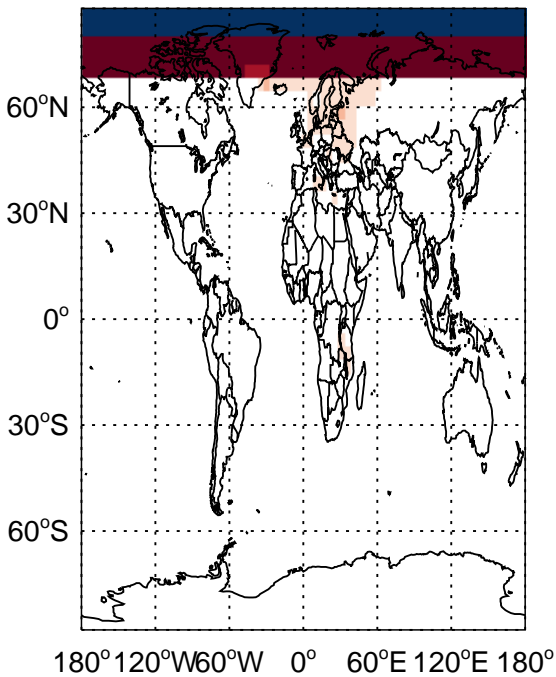


v11-01k-Run0 - v11-01f-geosfp-Run0

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

JCH3Cl - J-Value Ratio @ surface for Jan

JCH3Cl - J-Value Ratio @ 500 hPa for Jan



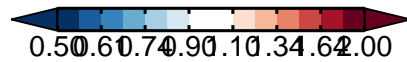
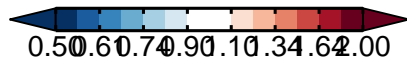
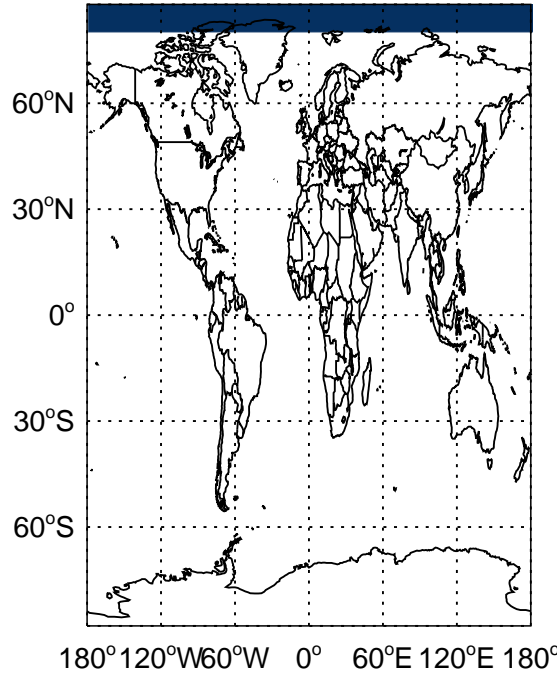
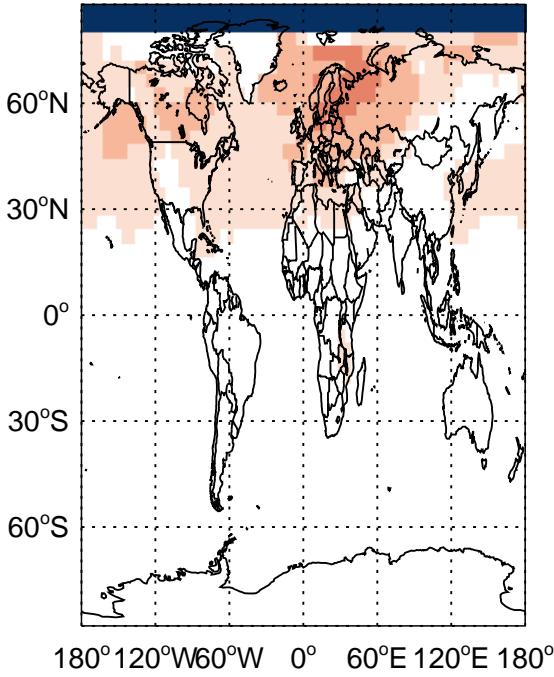
GEOS-Chem J-Values at surface and 500 hPa

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

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

JCFC11 - J-Value Ratio @ surface for Jan

JCFC11 - J-Value Ratio @ 500 hPa for Jan

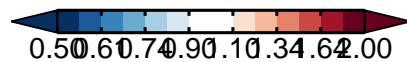
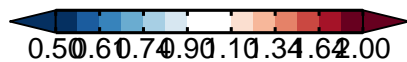
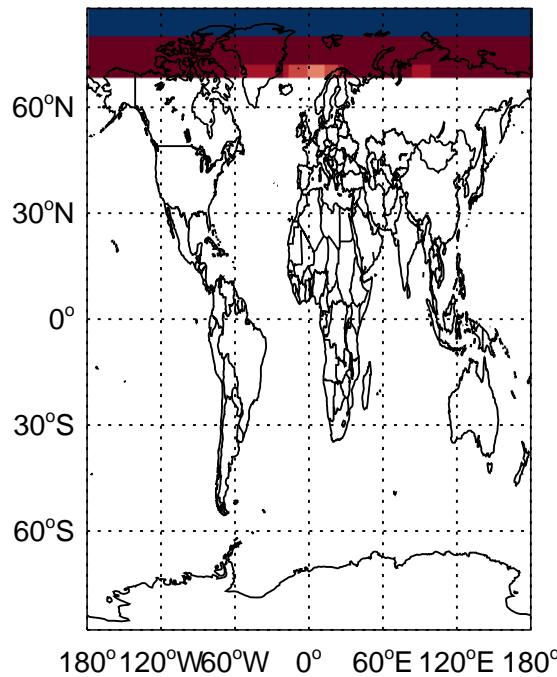
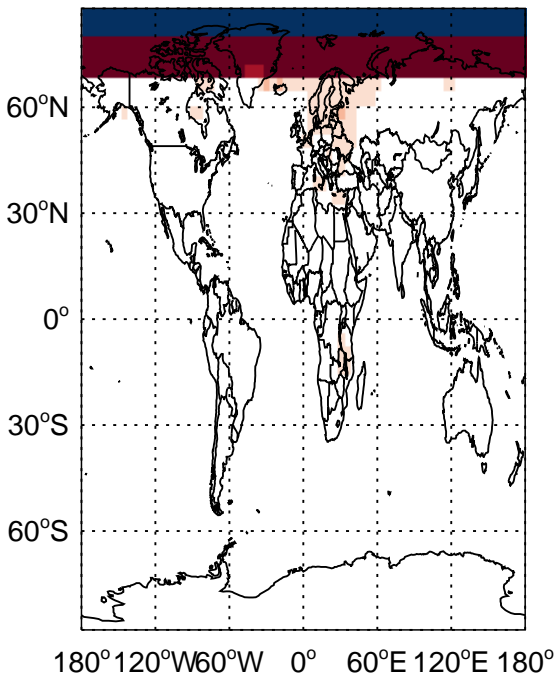


v11-01k-Run0 - v11-01f-geosfp-Run0

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

JCFC11 - J-Value Ratio @ surface for Jan

JCFC11 - J-Value Ratio @ 500 hPa for Jan





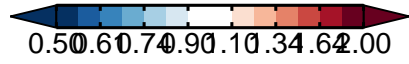
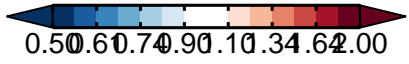
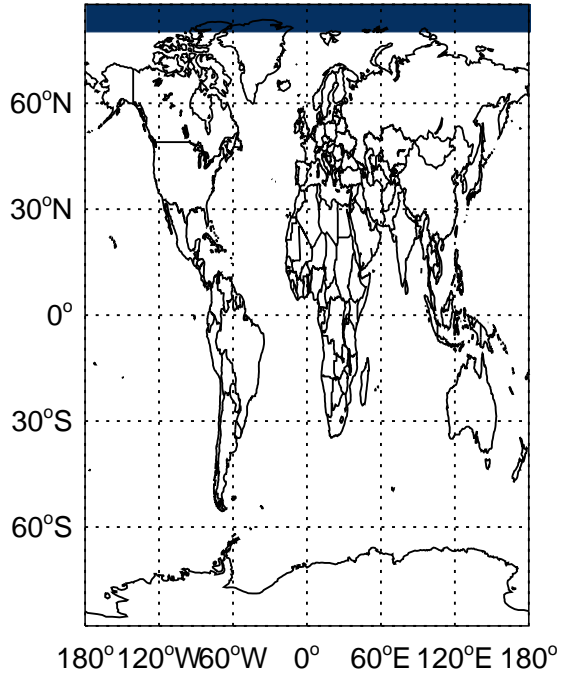
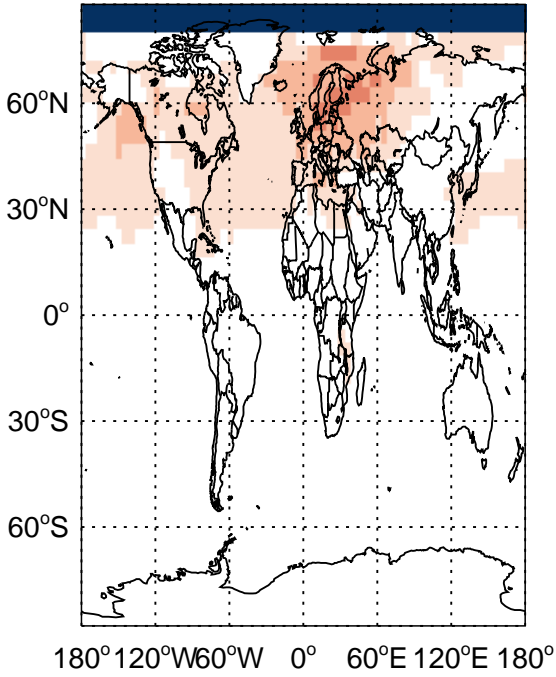
GEOS-Chem J-Values at surface and 500 hPa

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

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

JCFC12 - J-Value Ratio @ surface for Jan

JCFC12 - J-Value Ratio @ 500 hPa for Jan

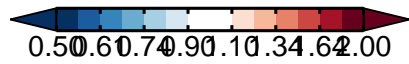
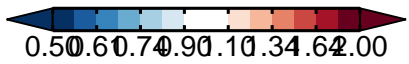
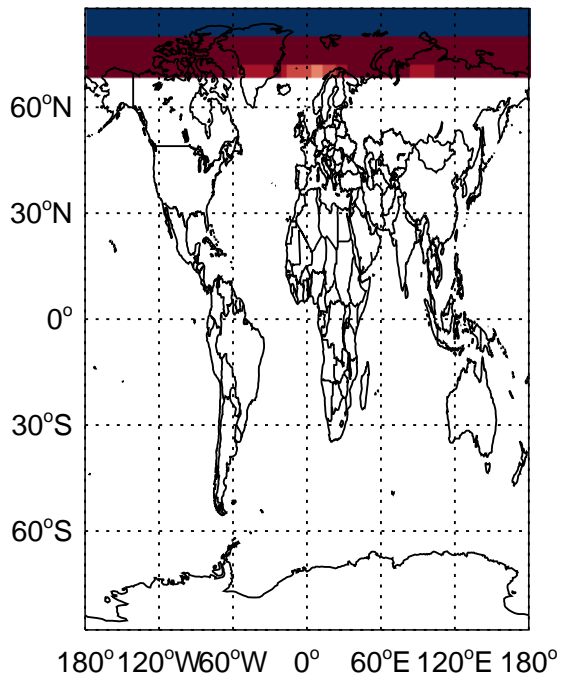
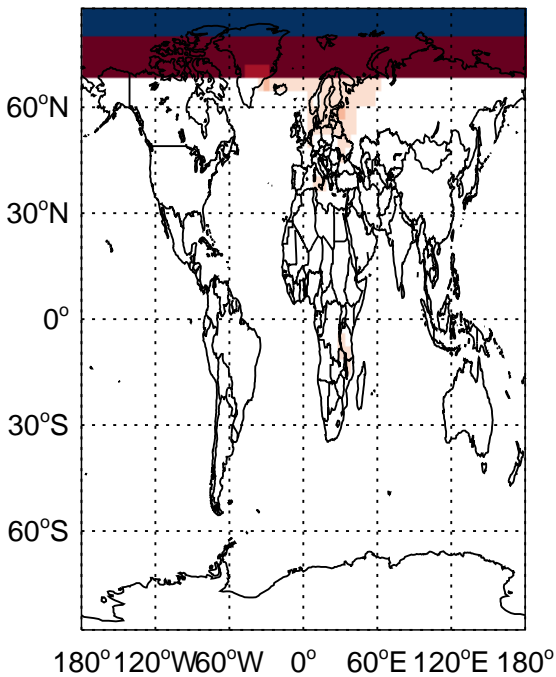


v11-01k-Run0 - v11-01f-geosfp-Run0

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

JCFC12 - J-Value Ratio @ surface for Jan

JCFC12 - J-Value Ratio @ 500 hPa for Jan



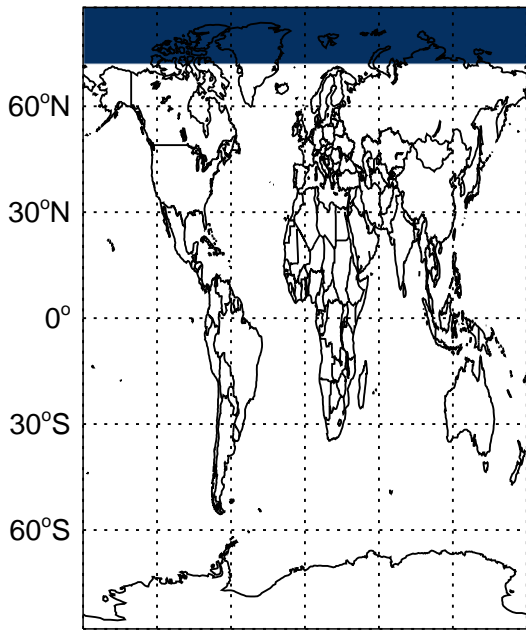
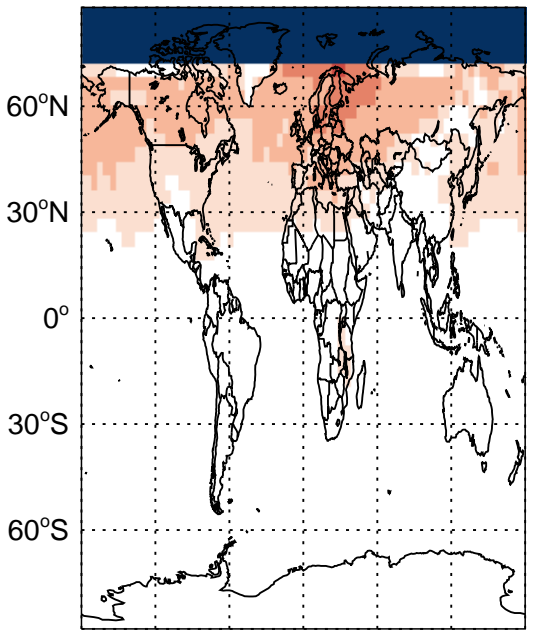
GEOS-Chem J-Values at surface and 500 hPa

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

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

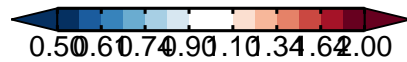
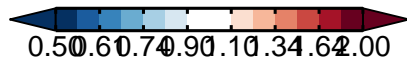
JO2 - J-Value Ratio @ surface for Jan

JO2 - J-Value Ratio @ 500 hPa for Jan



180° 120°W 60°W 0° 60°E 120°E 180°

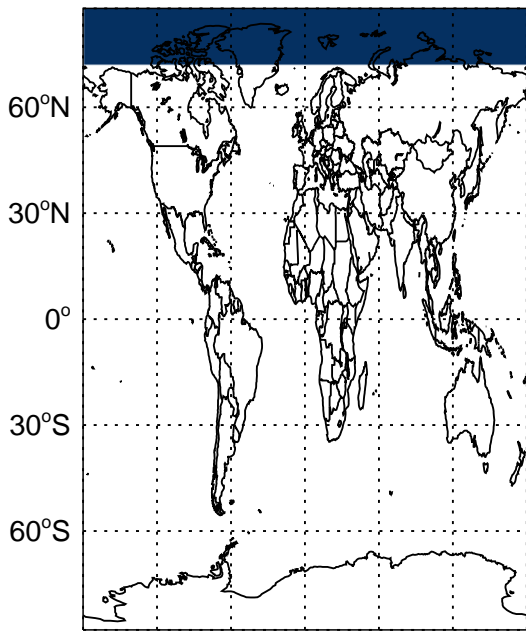
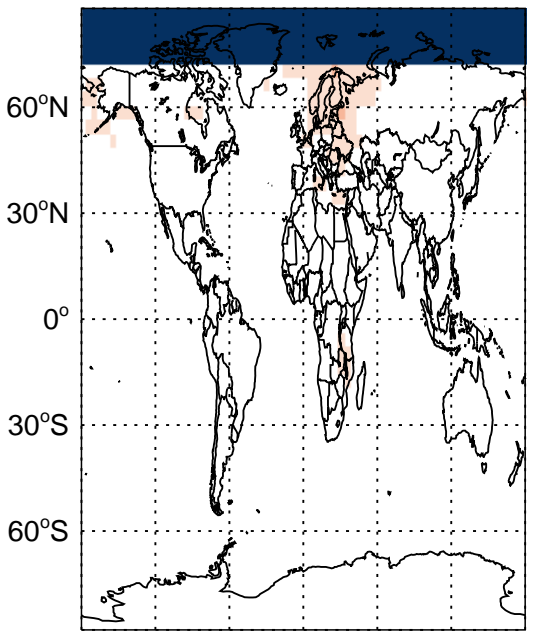
180° 120°W 60°W 0° 60°E 120°E 180°



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

JO2 - J-Value Ratio @ surface for Jan

JO2 - J-Value Ratio @ 500 hPa for Jan



180° 120°W 60°W 0° 60°E 120°E 180°

180° 120°W 60°W 0° 60°E 120°E 180°

