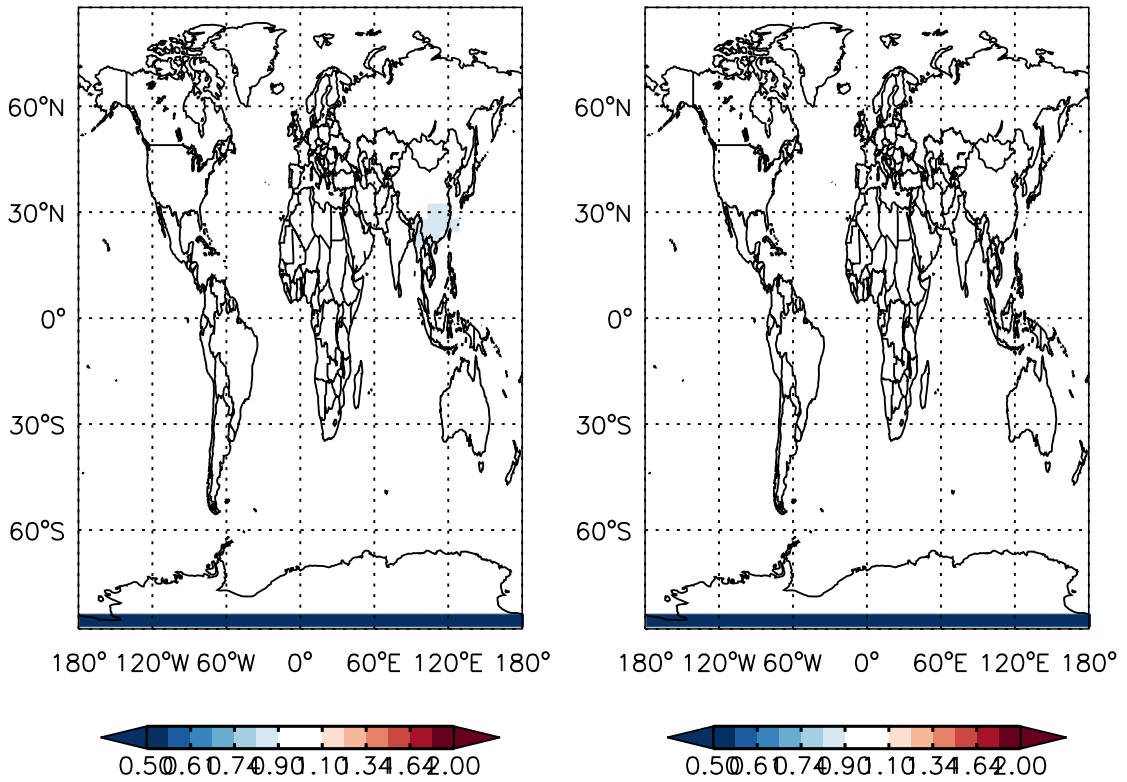


GEOS-Chem J-Values at surface and 500 hPa

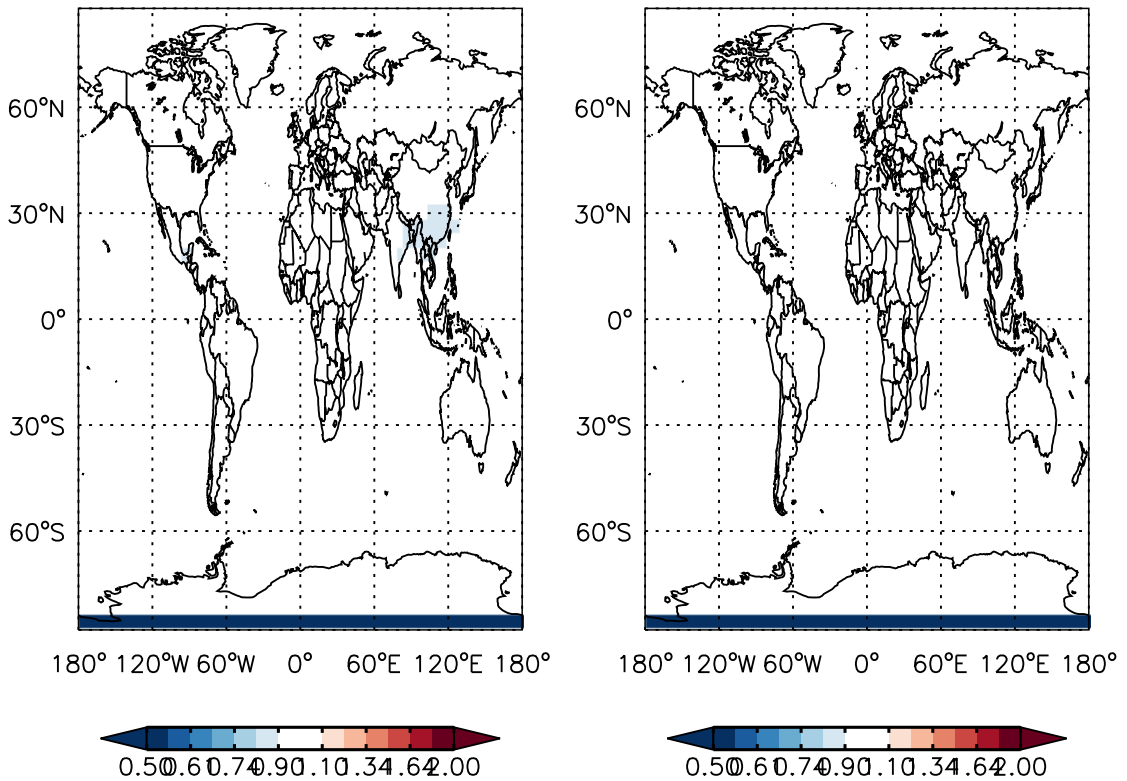
v11-01d-Run0 - v11-01b-Run0 v11-01d-Run0 - v11-01b-Run0

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



v11-01d-Run0 - v10-01-public-Run0 v11-01d-Run0 - v10-01-public-Run0

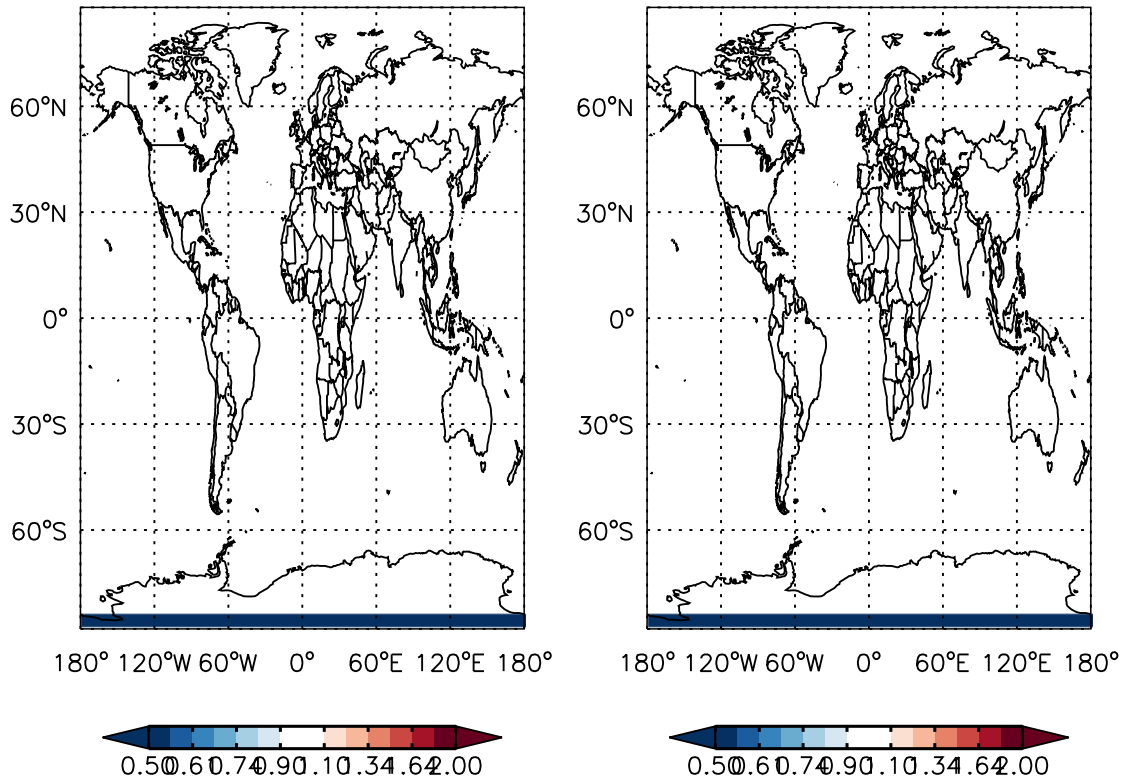
JNO - J-Value Ratio @ surface for Apr JNO - J-Value Ratio @ 500 hPa for Apr



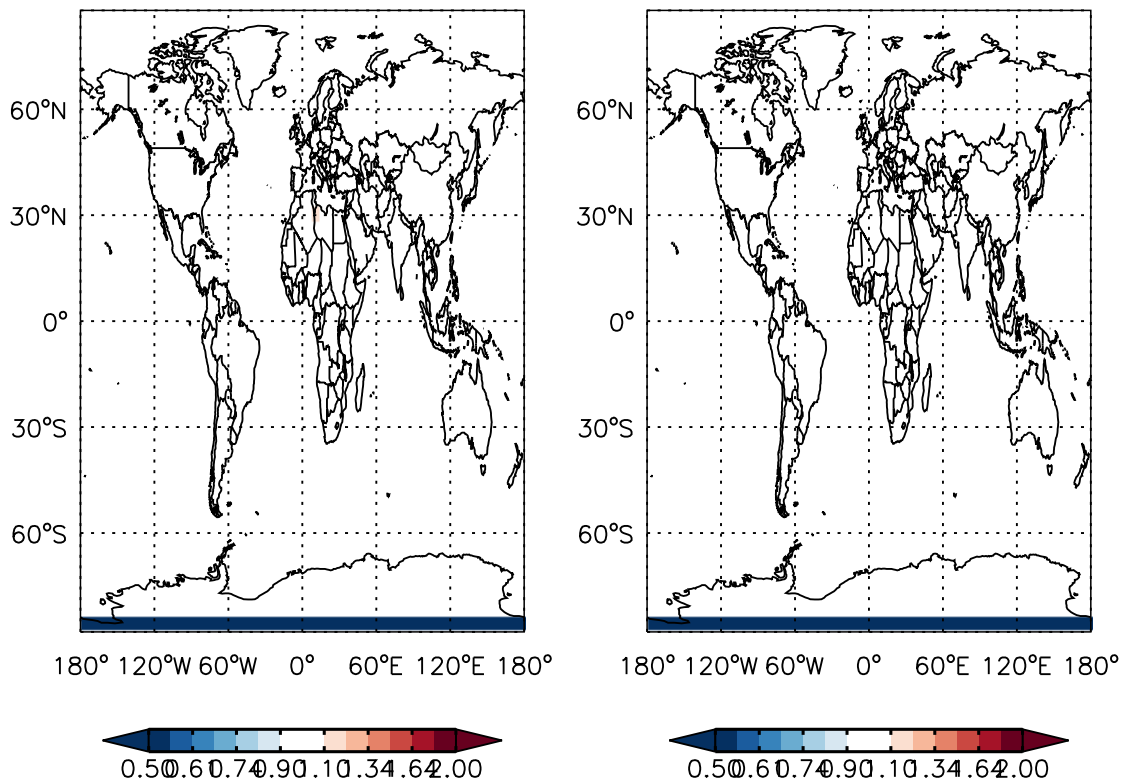
GEOS-Chem J-Values at surface and 500 hPa

v11-01d-Run0 - v11-01b-Run0 v11-01d-Run0 - v11-01b-Run0

J03_01D - J-Value Ratio @ surface 03_01D - J-Value Ratio @ 500 hPa for Apr



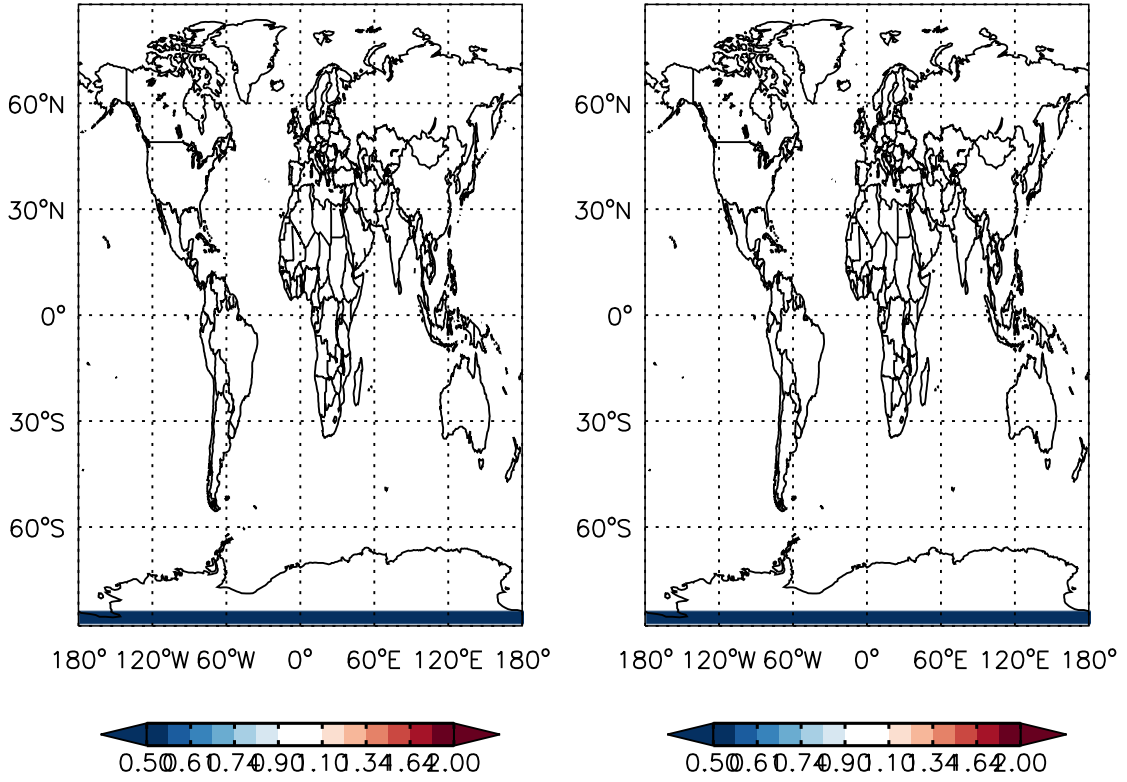
v11-01d-Run0 - v10-01-public-Run0 v11-01d-Run0 - v10-01-public-Run0
J03_01D - J-Value Ratio @ surface 03_01D - J-Value Ratio @ 500 hPa for Apr



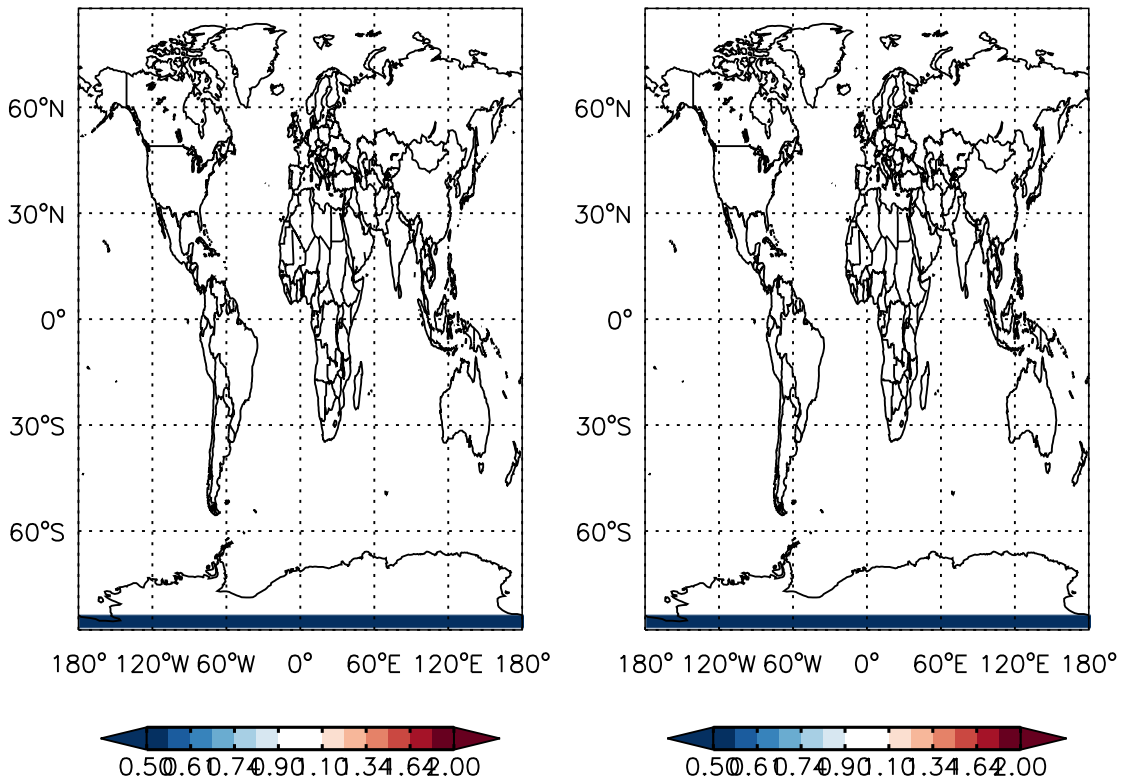
GEOS-Chem J-Values at surface and 500 hPa

v11-01d-Run0 - v11-01b-Run0 v11-01d-Run0 - v11-01b-Run0

J03_03P - J-Value Ratio @ surface 03_03P - J-Value Ratio @ 500 hPa for Apr



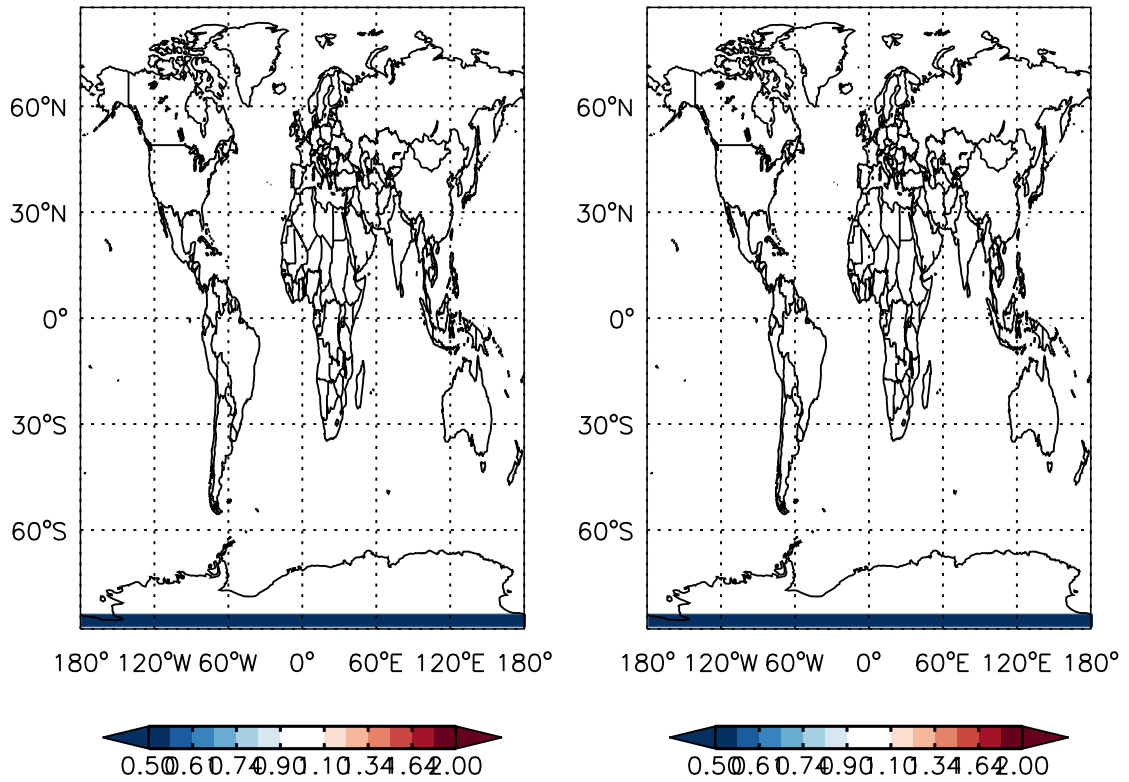
v11-01d-Run0 - v10-01-public-Run0 v11-01d-Run0 - v10-01-public-Run0
J03_03P - J-Value Ratio @ surface 03_03P - J-Value Ratio @ 500 hPa for Apr



GEOS-Chem J-Values at surface and 500 hPa

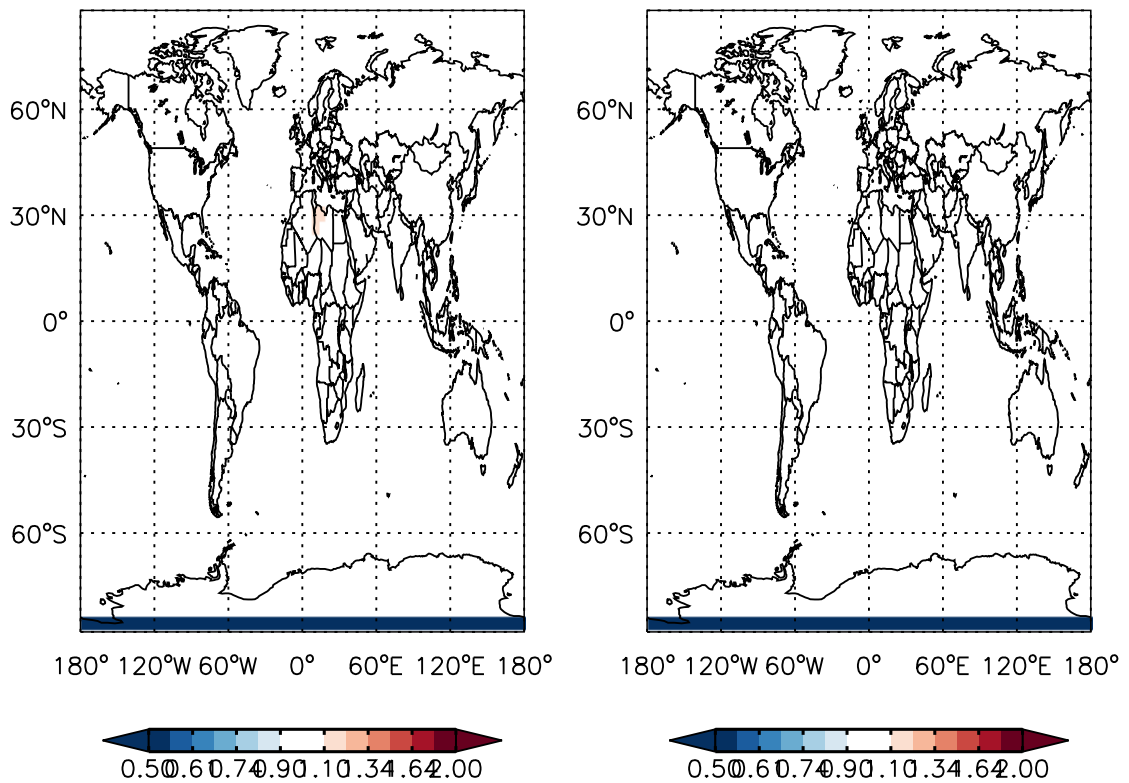
v11-01d-Run0 - v11-01b-Run0 v11-01d-Run0 - v11-01b-Run0

JHNO3 - J-Value Ratio @ surface $\frac{v11-01d-Run0}{v11-01b-Run0}$ - J-Value Ratio @ 500 hPa for Apr



v11-01d-Run0 - v10-01-public-Run0 v11-01d-Run0 - v10-01-public-Run0

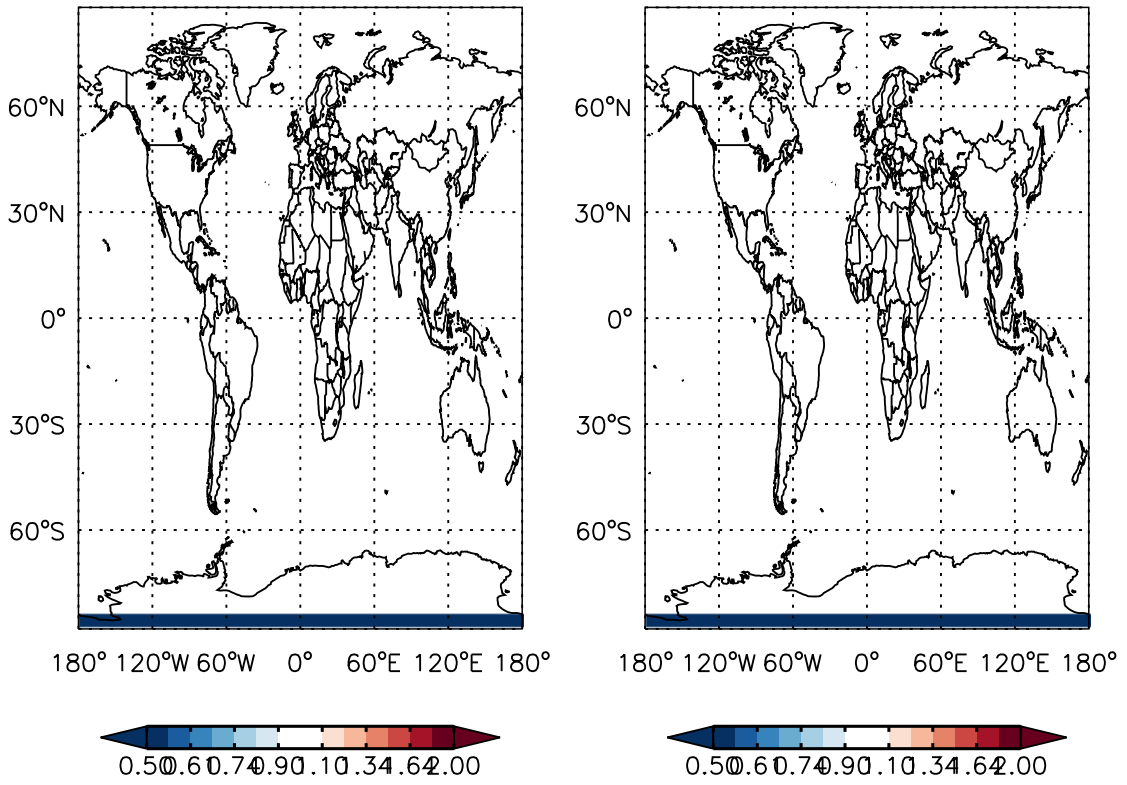
JHNO3 - J-Value Ratio @ surface $\frac{v11-01d-Run0}{v10-01-public-Run0}$ - J-Value Ratio @ 500 hPa for Apr



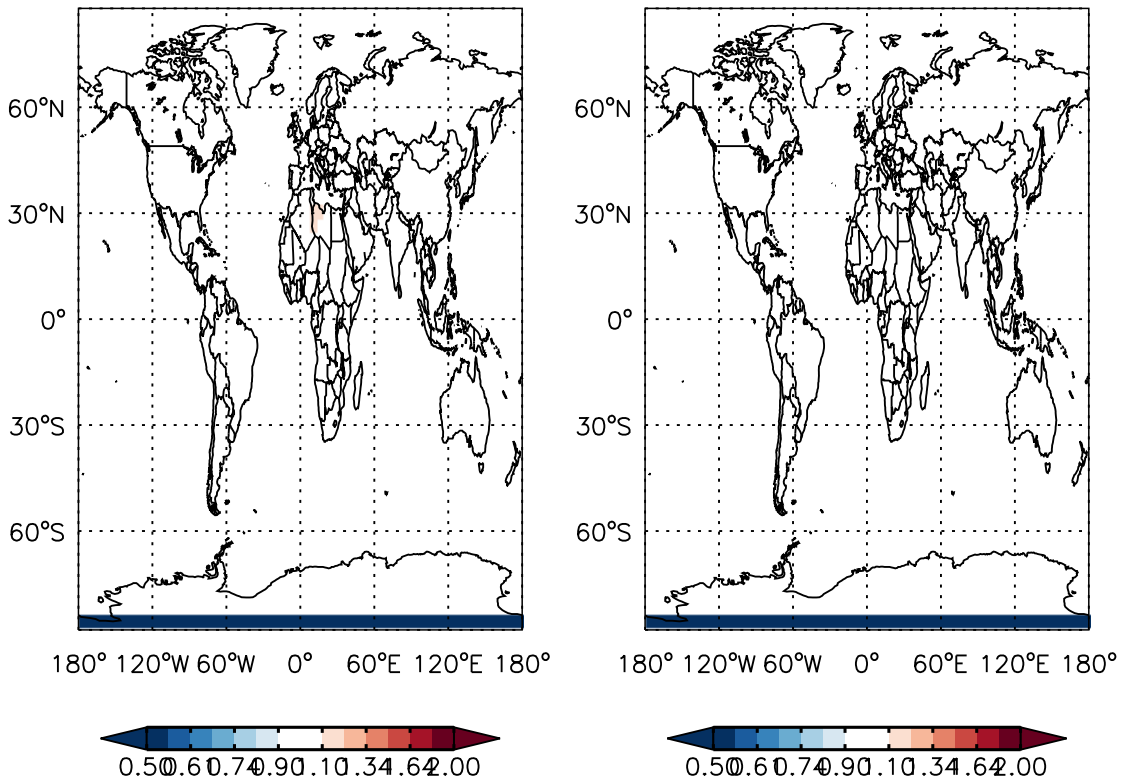
GEOS-Chem J-Values at surface and 500 hPa

v11-01d-Run0 - v11-01b-Run0 v11-01d-Run0 - v11-01b-Run0

JH2O2 - J-Value Ratio @ surface for H2O2 - J-Value Ratio @ 500 hPa for Apr



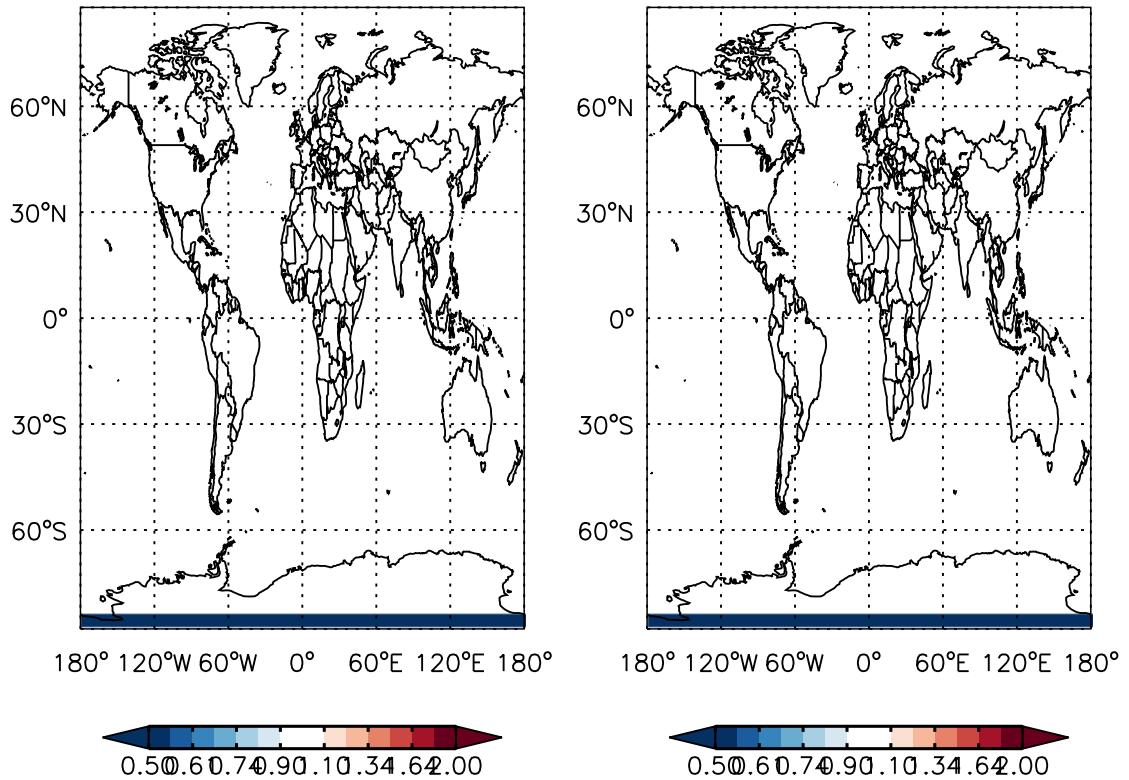
v11-01d-Run0 - v10-01-public-Run0 v11-01d-Run0 - v10-01-public-Run0
JH2O2 - J-Value Ratio @ surface for H2O2 - J-Value Ratio @ 500 hPa for Apr



GEOS-Chem J-Values at surface and 500 hPa

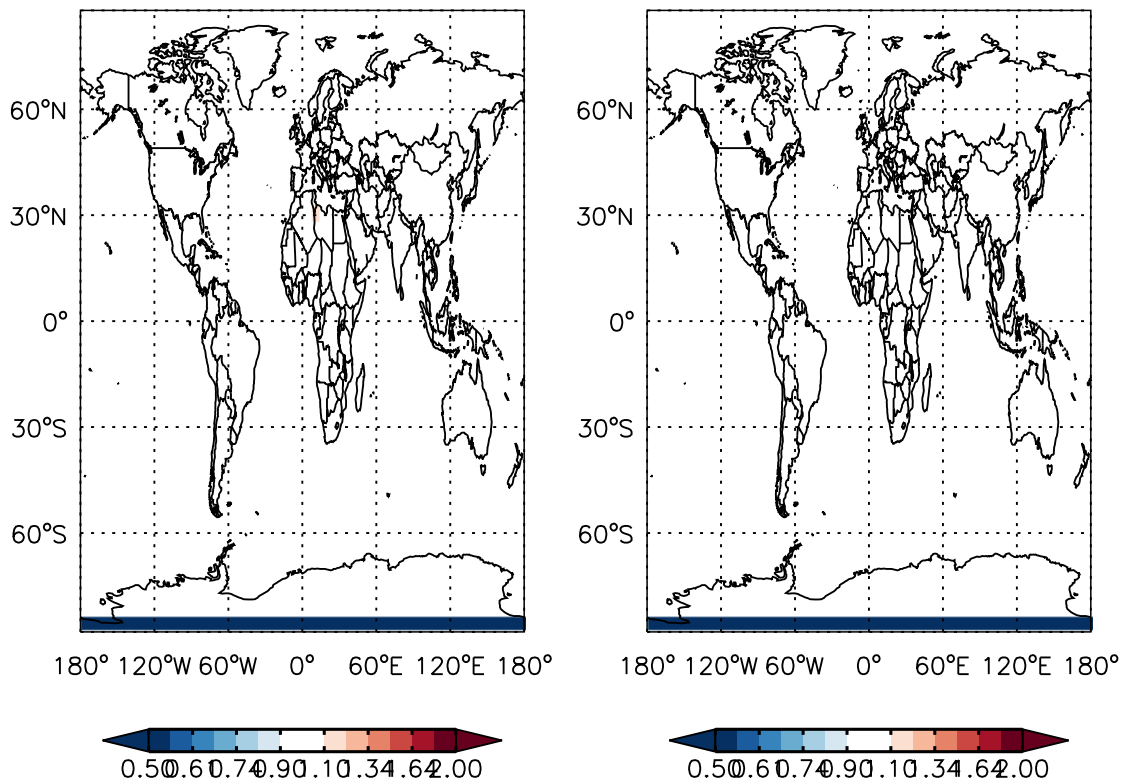
v11-01d-Run0 - v11-01b-Run0 v11-01d-Run0 - v11-01b-Run0

JACET - J-Value Ratio @ surface for Apr JACET - J-Value Ratio @ 500 hPa for Apr



v11-01d-Run0 - v10-01-public-Run0 v11-01d-Run0 - v10-01-public-Run0

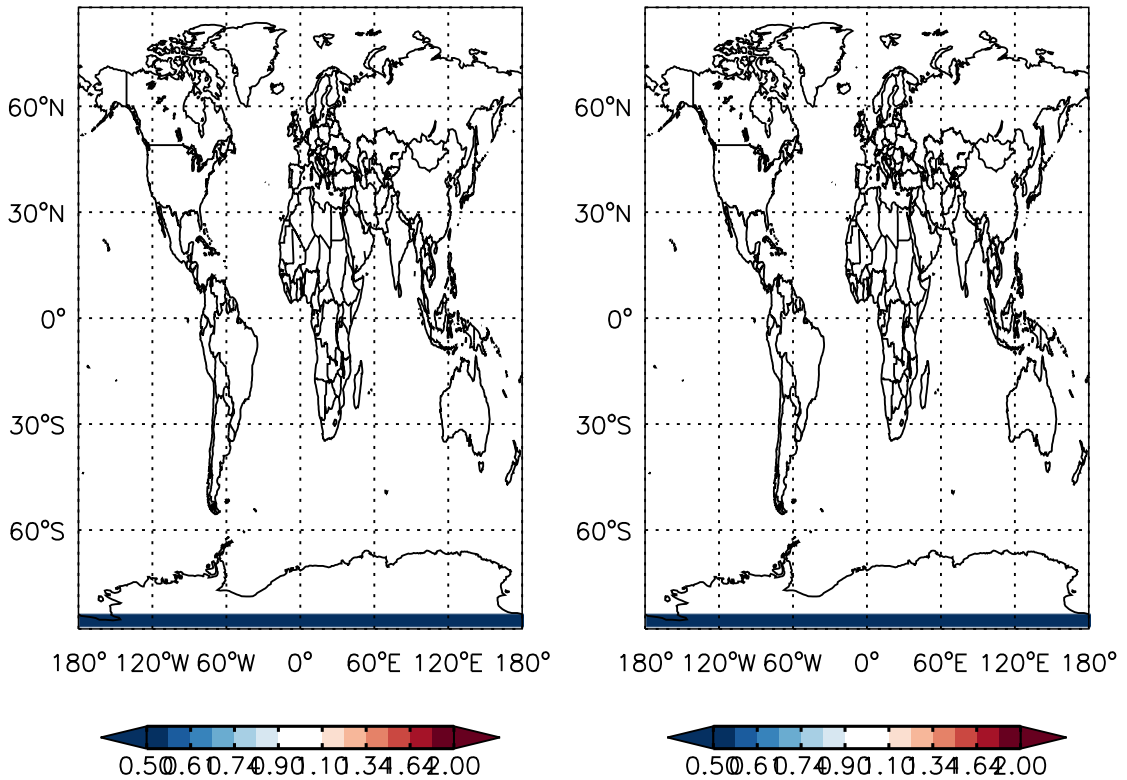
JACET - J-Value Ratio @ surface for Apr JACET - J-Value Ratio @ 500 hPa for Apr



GEOS-Chem J-Values at surface and 500 hPa

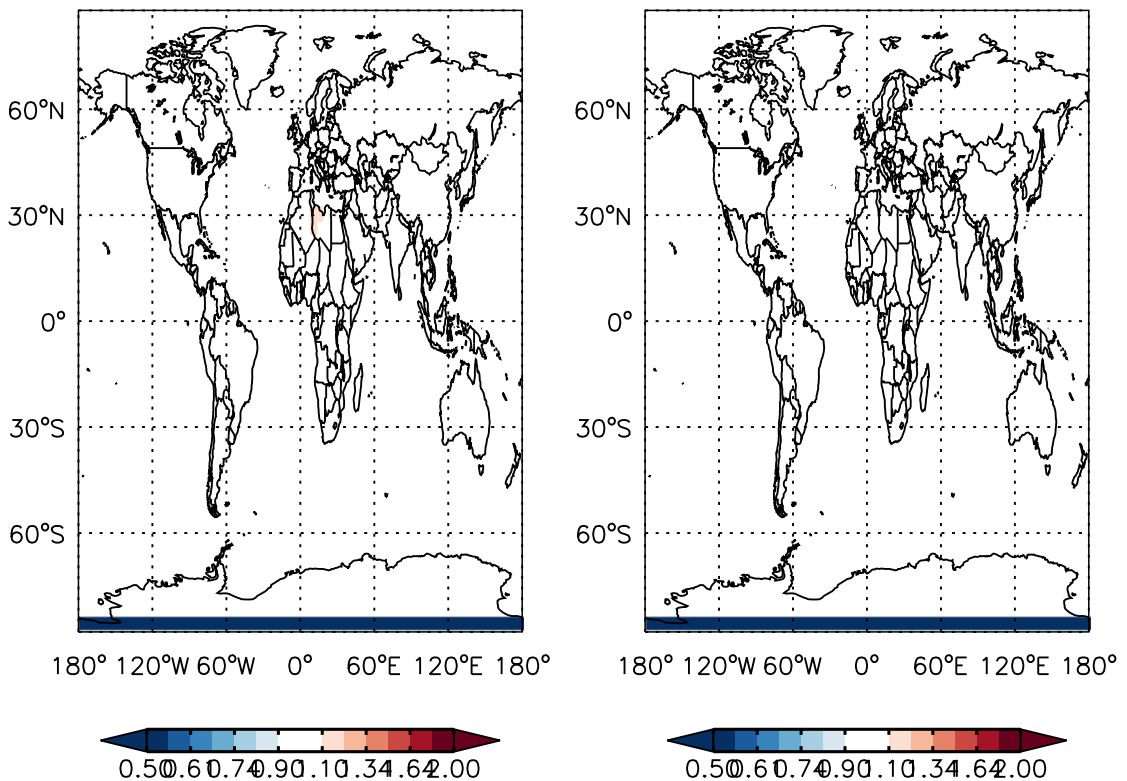
v11-01d-Run0 - v11-01b-Run0 v11-01d-Run0 - v11-01b-Run0

JALD2 - J-Value Ratio @ surface for APR2 JALD2 - J-Value Ratio @ 500 hPa for Apr



v11-01d-Run0 - v10-01-public-Run0 v11-01d-Run0 - v10-01-public-Run0

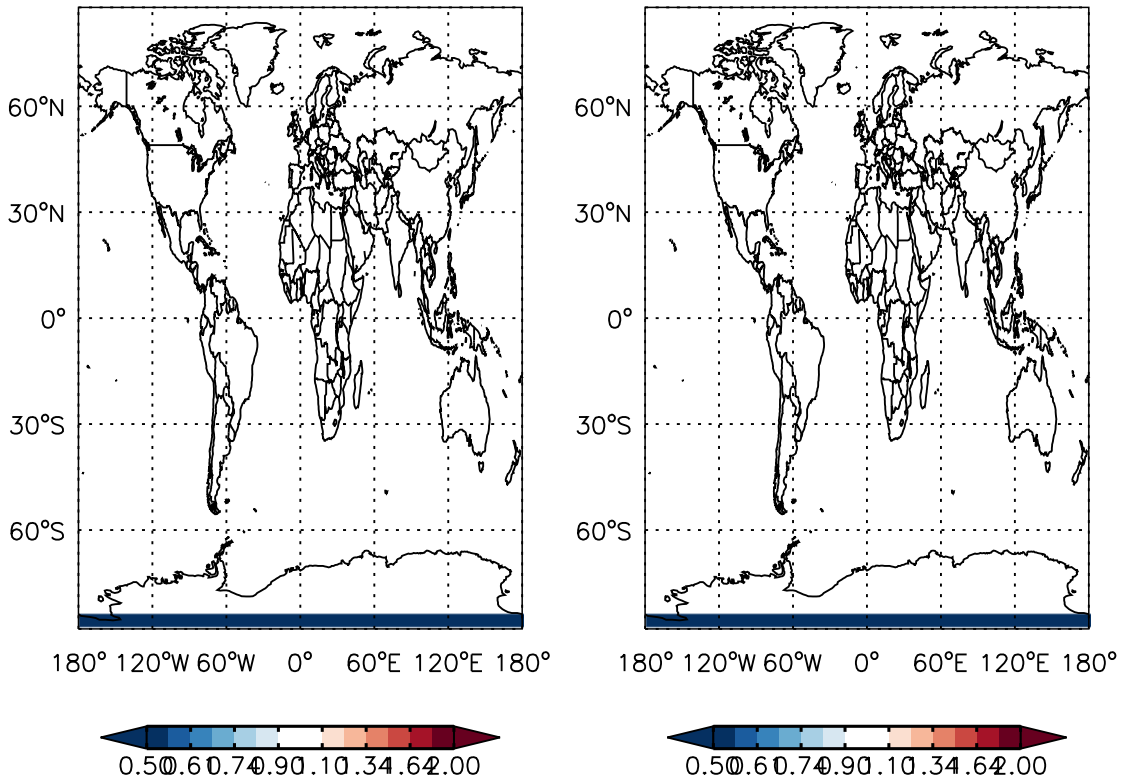
JALD2 - J-Value Ratio @ surface for APR2 JALD2 - J-Value Ratio @ 500 hPa for Apr



GEOS-Chem J-Values at surface and 500 hPa

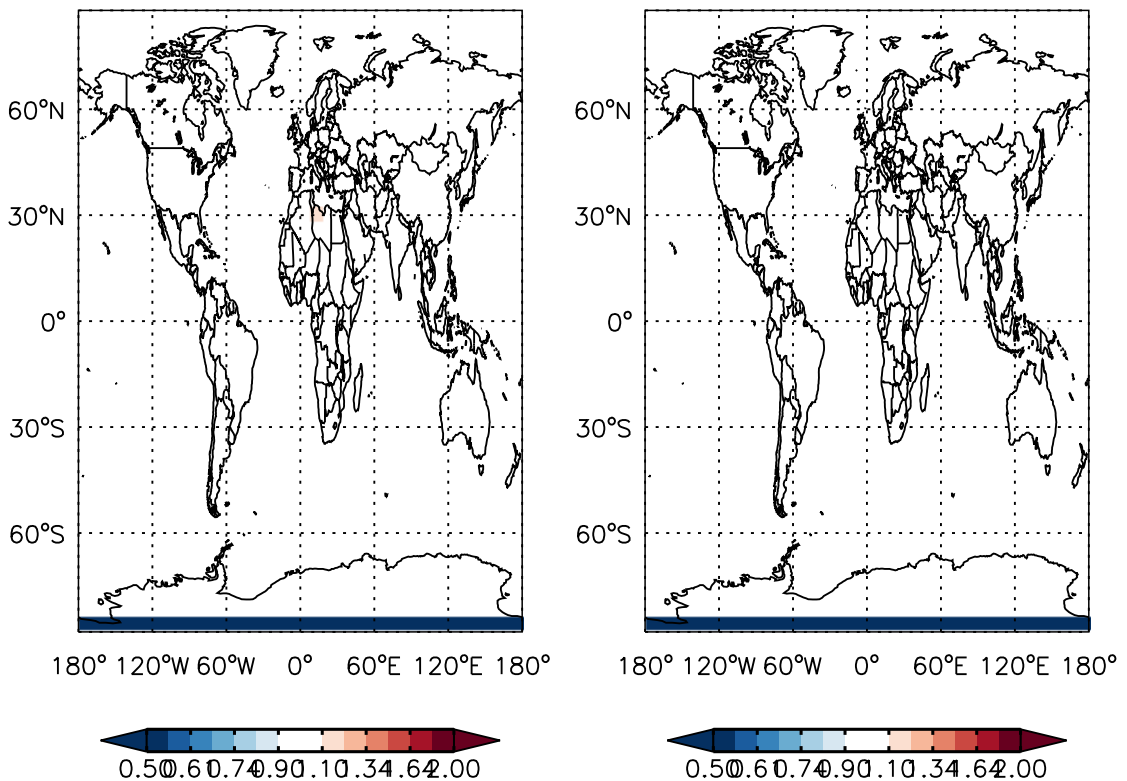
v11-01d-Run0 - v11-01b-Run0 v11-01d-Run0 - v11-01b-Run0

JMK - J-Value Ratio @ surface for JMK - J-Value Ratio @ 500 hPa for Apr



v11-01d-Run0 - v10-01-public-Run0 v11-01d-Run0 - v10-01-public-Run0

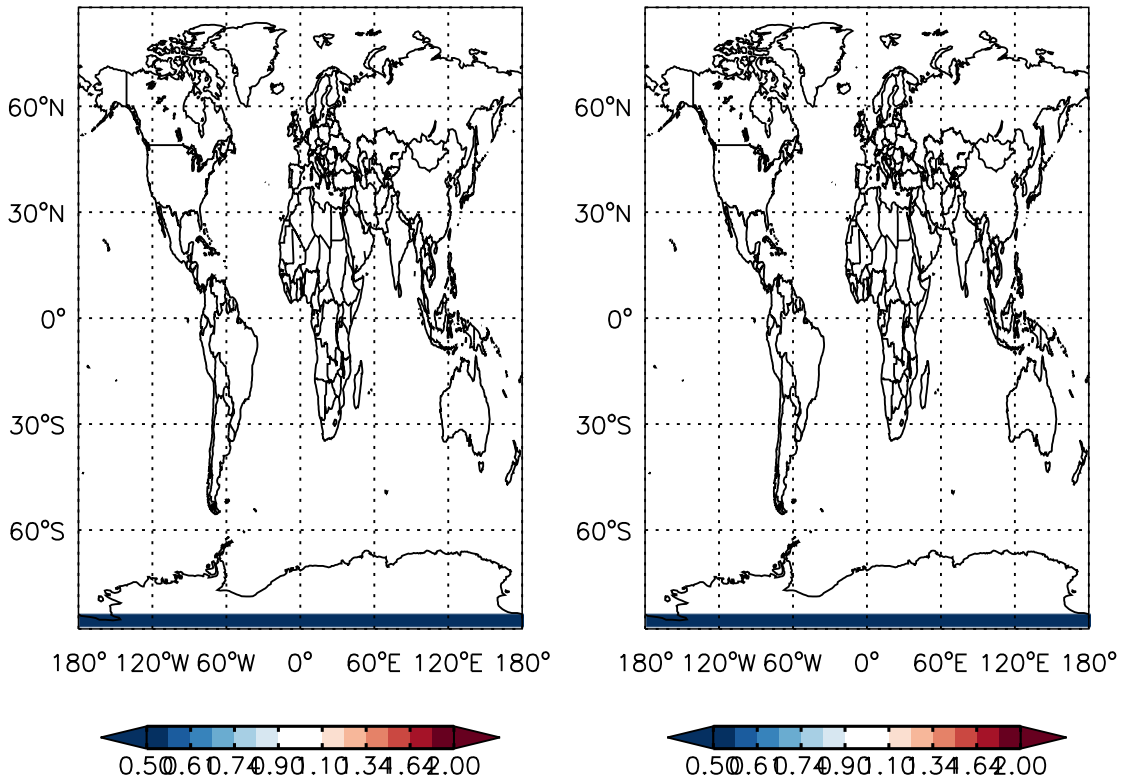
JMK - J-Value Ratio @ surface for JMK - J-Value Ratio @ 500 hPa for Apr



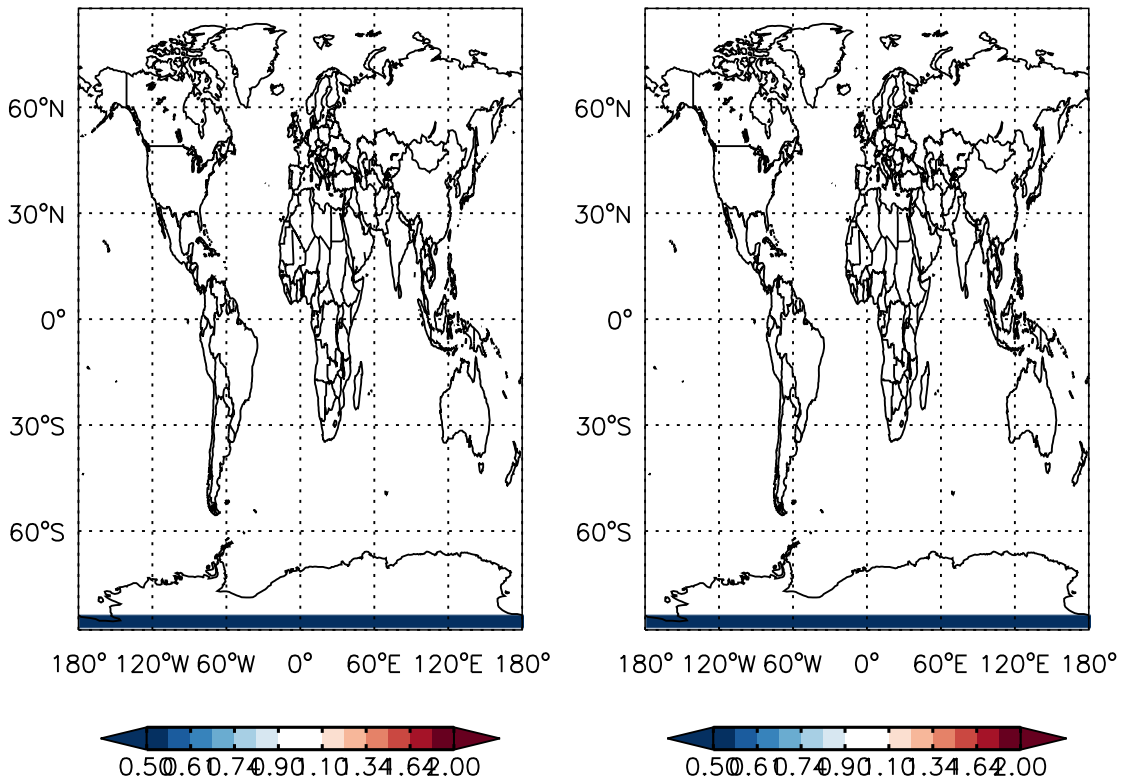
GEOS-Chem J-Values at surface and 500 hPa

v11-01d-Run0 - v11-01b-Run0 v11-01d-Run0 - v11-01b-Run0

JMACR - J-Value Ratio @ surface fMAQR - J-Value Ratio @ 500 hPa for Apr



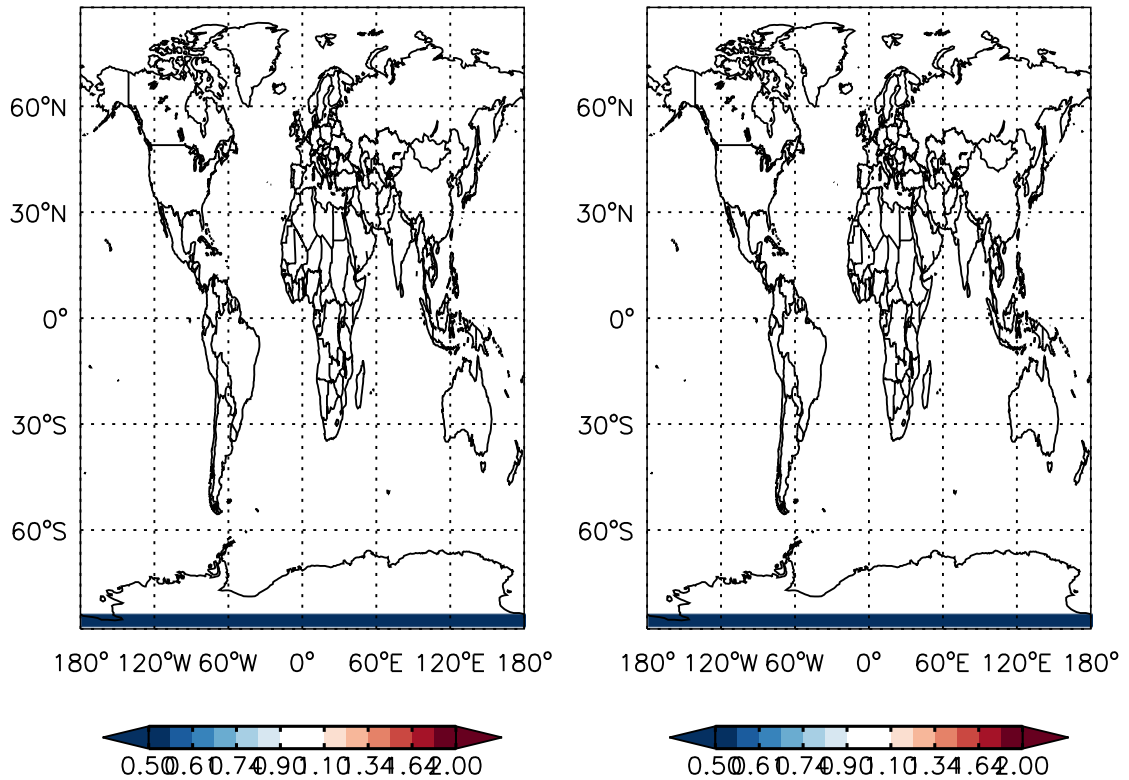
v11-01d-Run0 - v10-01-public-Run0 v11-01d-Run0 - v10-01-public-Run0
JMACR - J-Value Ratio @ surface fMAQR - J-Value Ratio @ 500 hPa for Apr



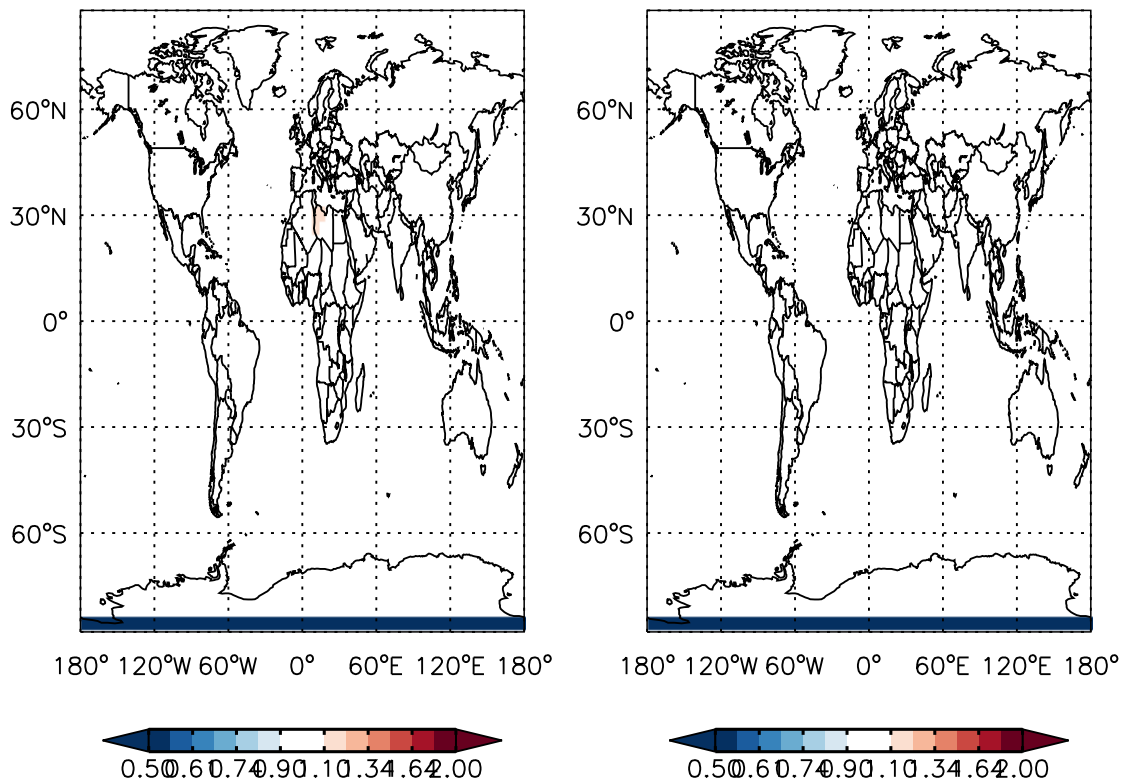
GEOS-Chem J-Values at surface and 500 hPa

v11-01d-Run0 - v11-01b-Run0 v11-01d-Run0 - v11-01b-Run0

JCH20 - J-Value Ratio @ surface for Apr JCH20 - J-Value Ratio @ 500 hPa for Apr



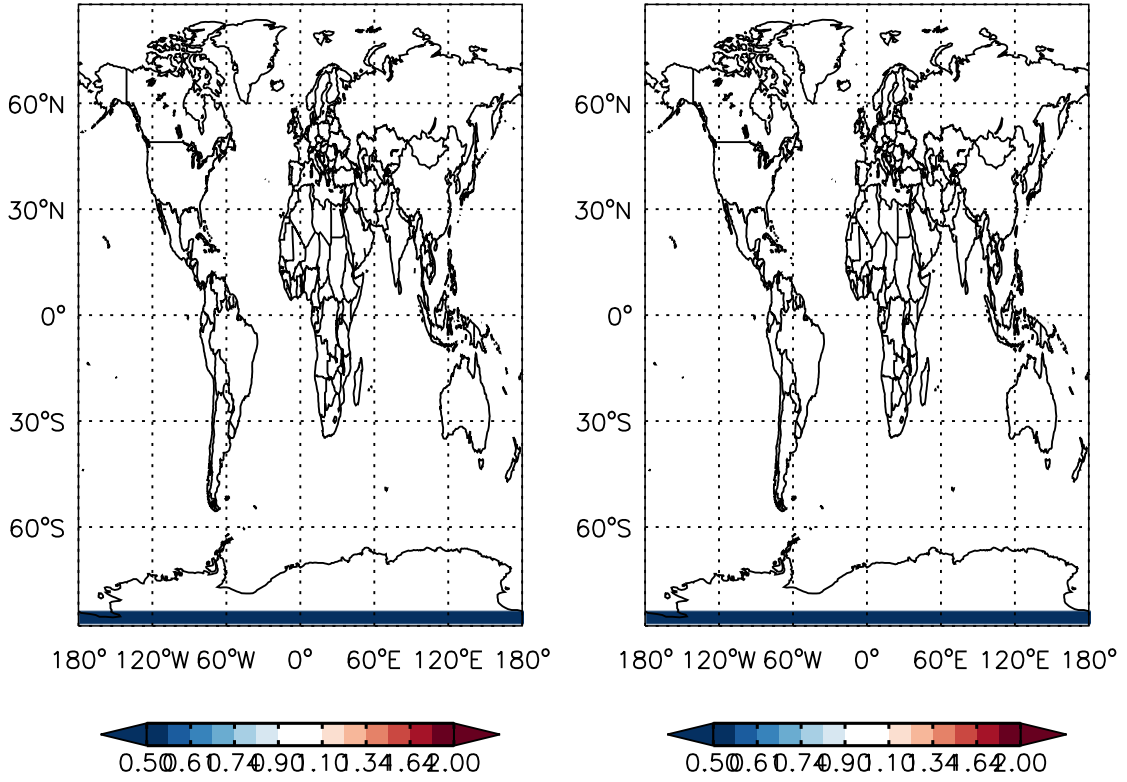
v11-01d-Run0 - v10-01-public-Run0 v11-01d-Run0 - v10-01-public-Run0
JCH20 - J-Value Ratio @ surface for Apr JCH20 - J-Value Ratio @ 500 hPa for Apr



GEOS-Chem J-Values at surface and 500 hPa

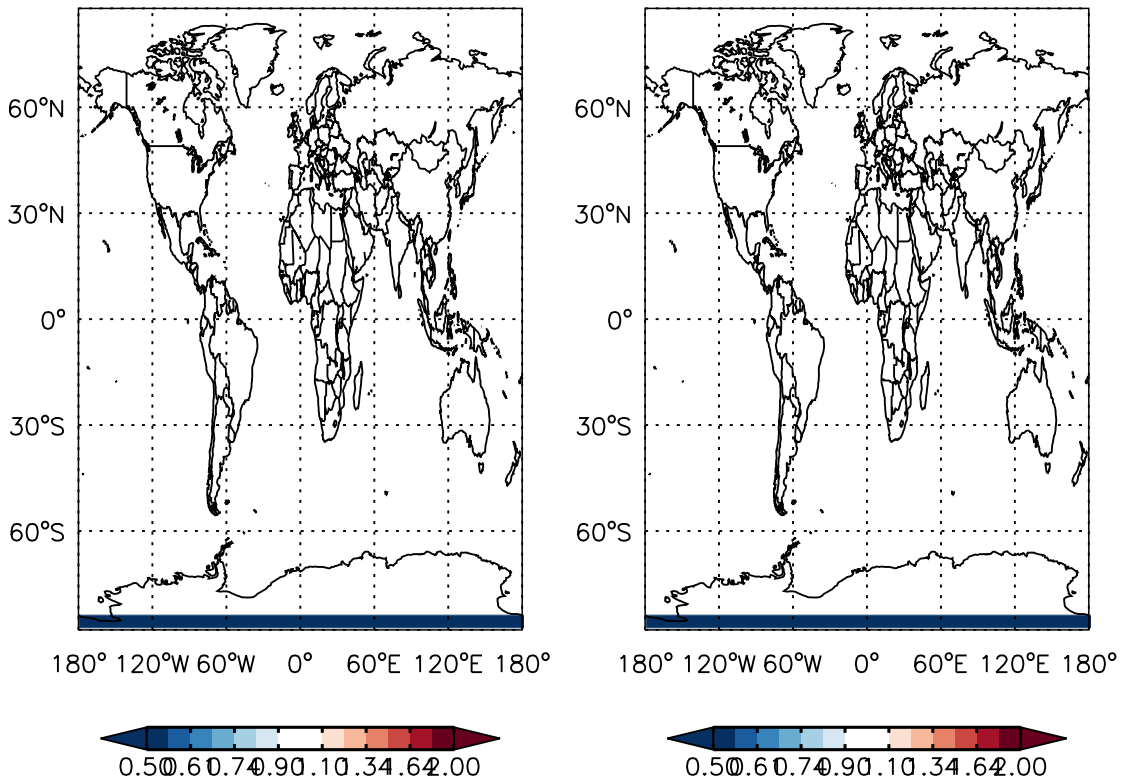
v11-01d-Run0 - v11-01b-Run0 v11-01d-Run0 - v11-01b-Run0

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



v11-01d-Run0 - v10-01-public-Run0 v11-01d-Run0 - v10-01-public-Run0

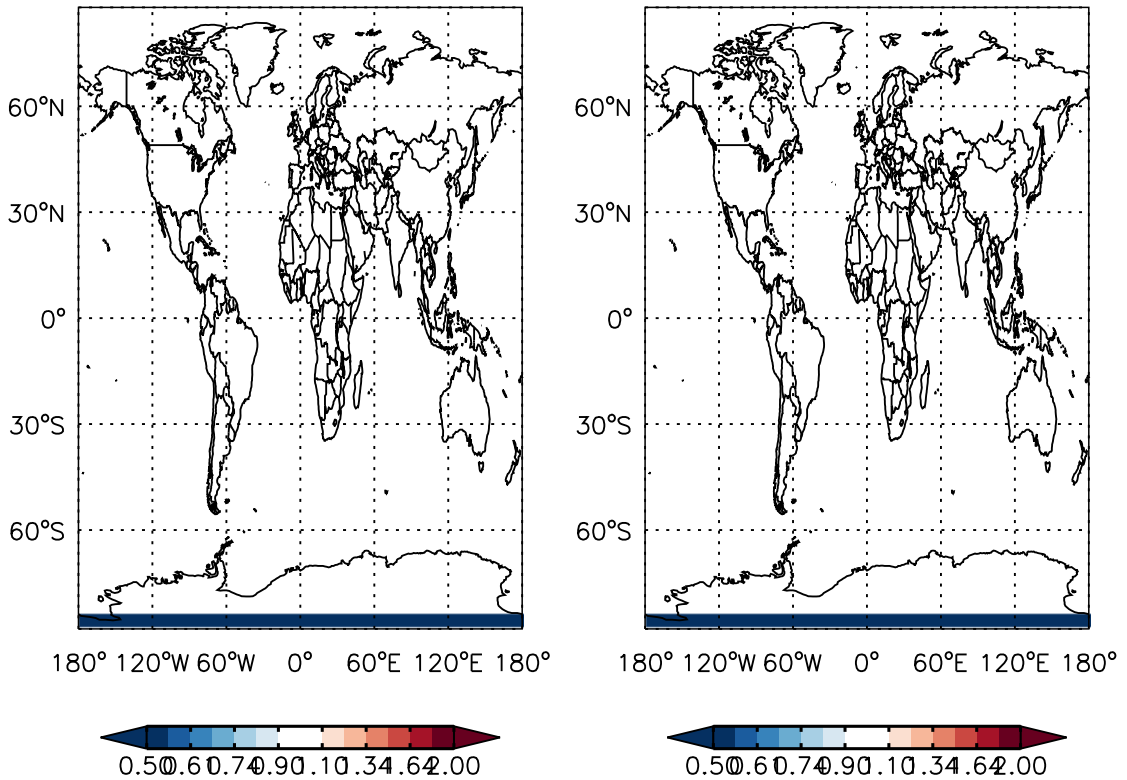
JBr2 - J-Value Ratio @ surface for Apr JBr2 - J-Value Ratio @ 500 hPa for Apr



GEOS-Chem J-Values at surface and 500 hPa

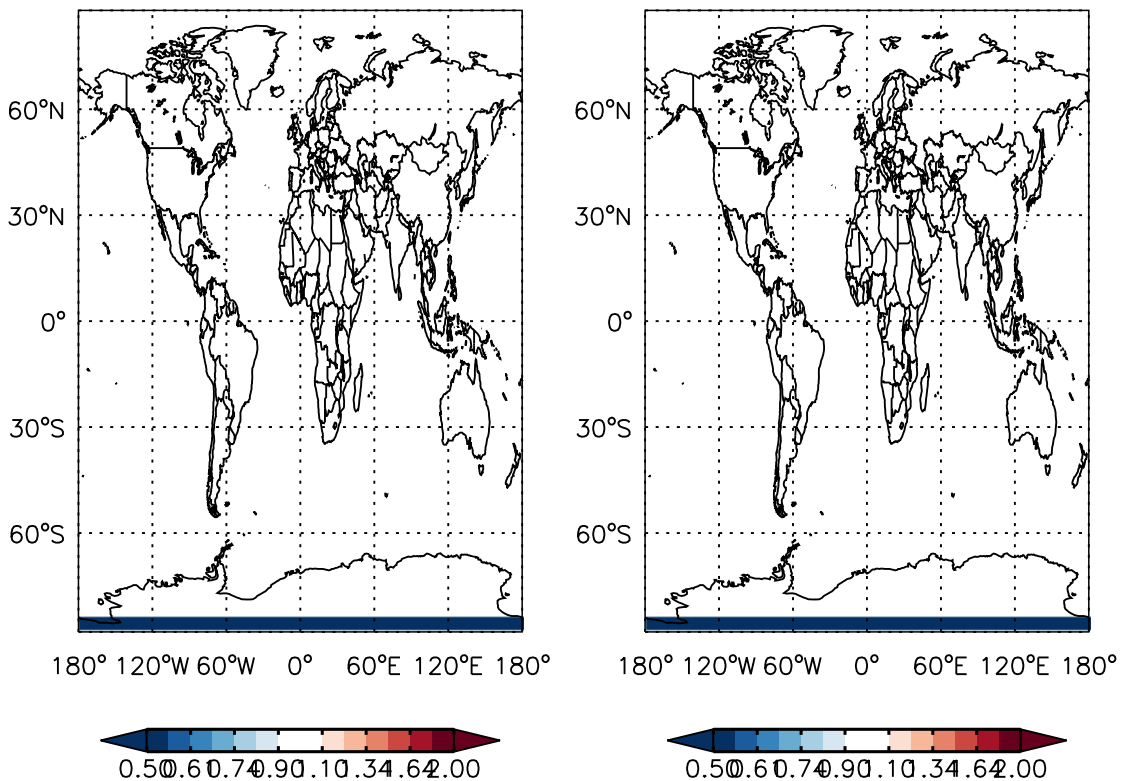
v11-01d-Run0 - v11-01b-Run0 v11-01d-Run0 - v11-01b-Run0

JBr0 - J-Value Ratio @ surface for JBr0 - J-Value Ratio @ 500 hPa for Apr



v11-01d-Run0 - v10-01-public-Run0 v11-01d-Run0 - v10-01-public-Run0

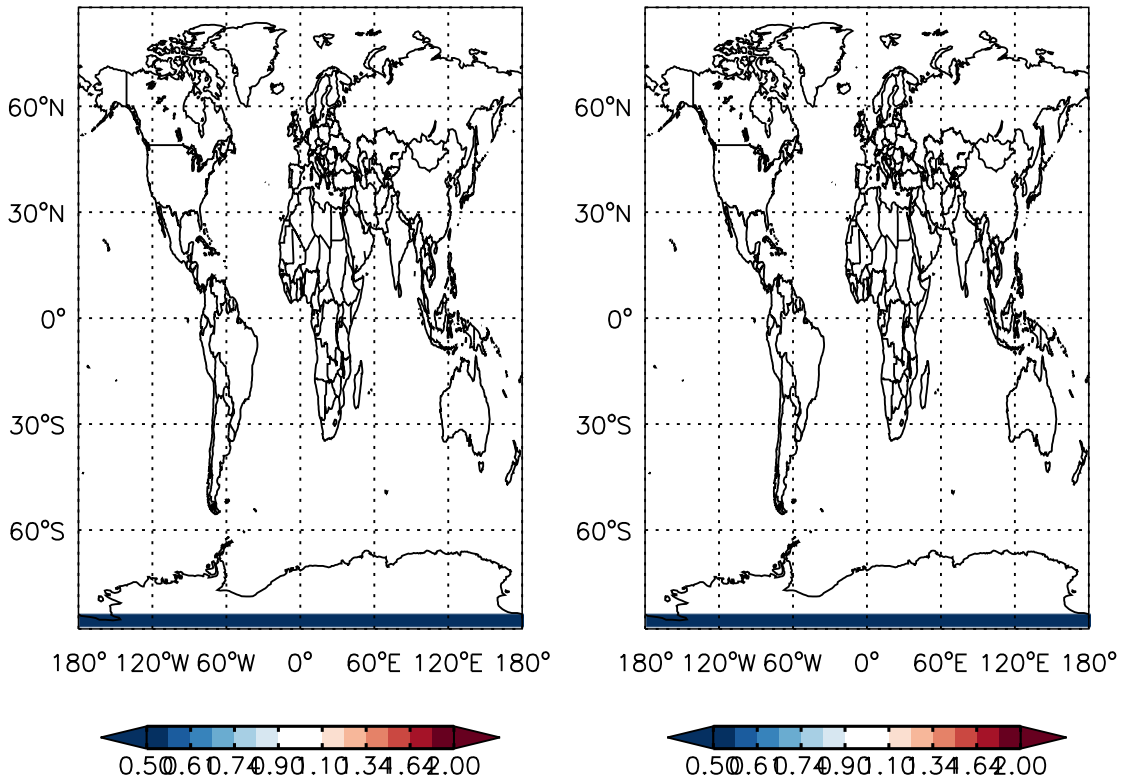
JBr0 - J-Value Ratio @ surface for JBr0 - J-Value Ratio @ 500 hPa for Apr



GEOS-Chem J-Values at surface and 500 hPa

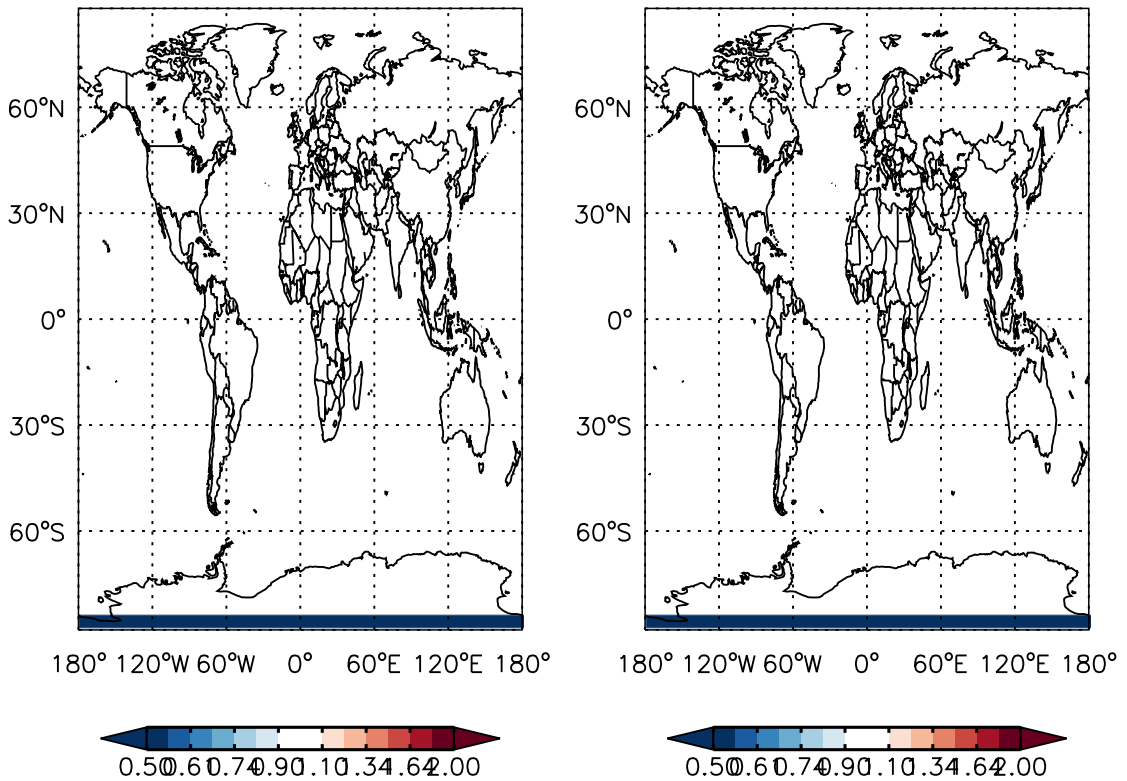
v11-01d-Run0 - v11-01b-Run0 v11-01d-Run0 - v11-01b-Run0

JH0Br - J-Value Ratio @ surface for Apr JH0Br - J-Value Ratio @ 500 hPa for Apr



v11-01d-Run0 - v10-01-public-Run0 v11-01d-Run0 - v10-01-public-Run0

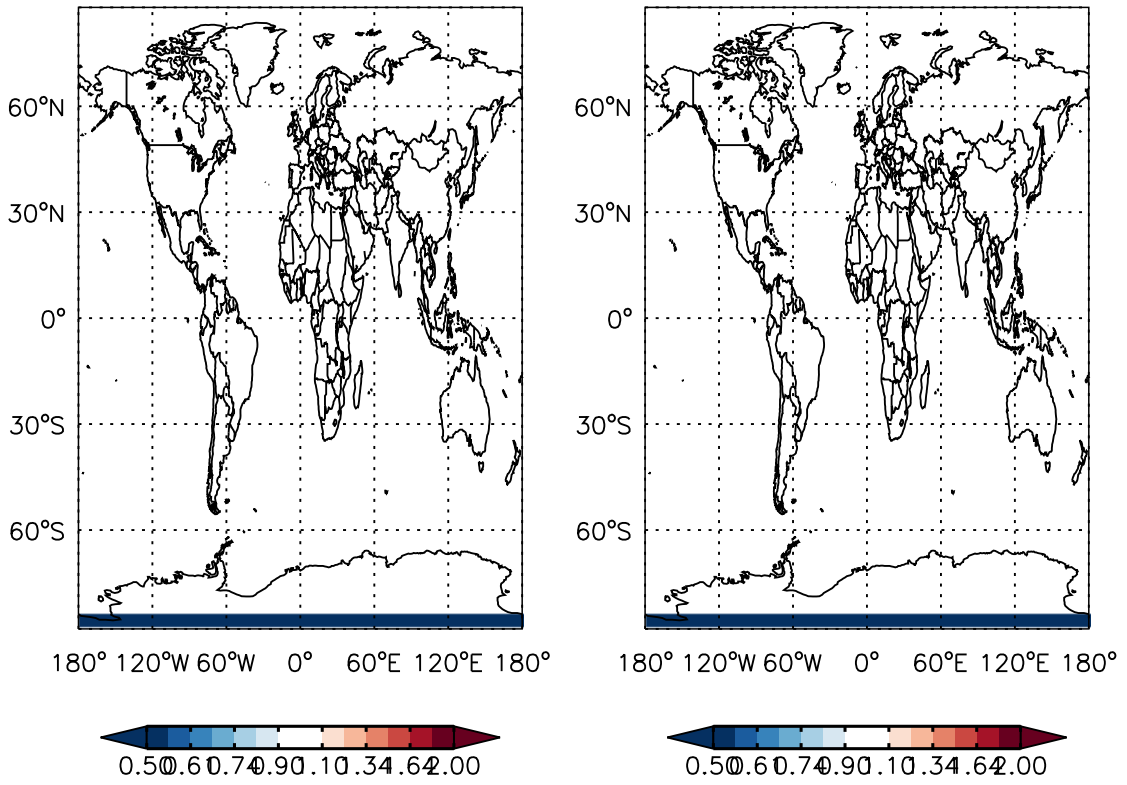
JH0Br - J-Value Ratio @ surface for Apr JH0Br - J-Value Ratio @ 500 hPa for Apr



GEOS-Chem J-Values at surface and 500 hPa

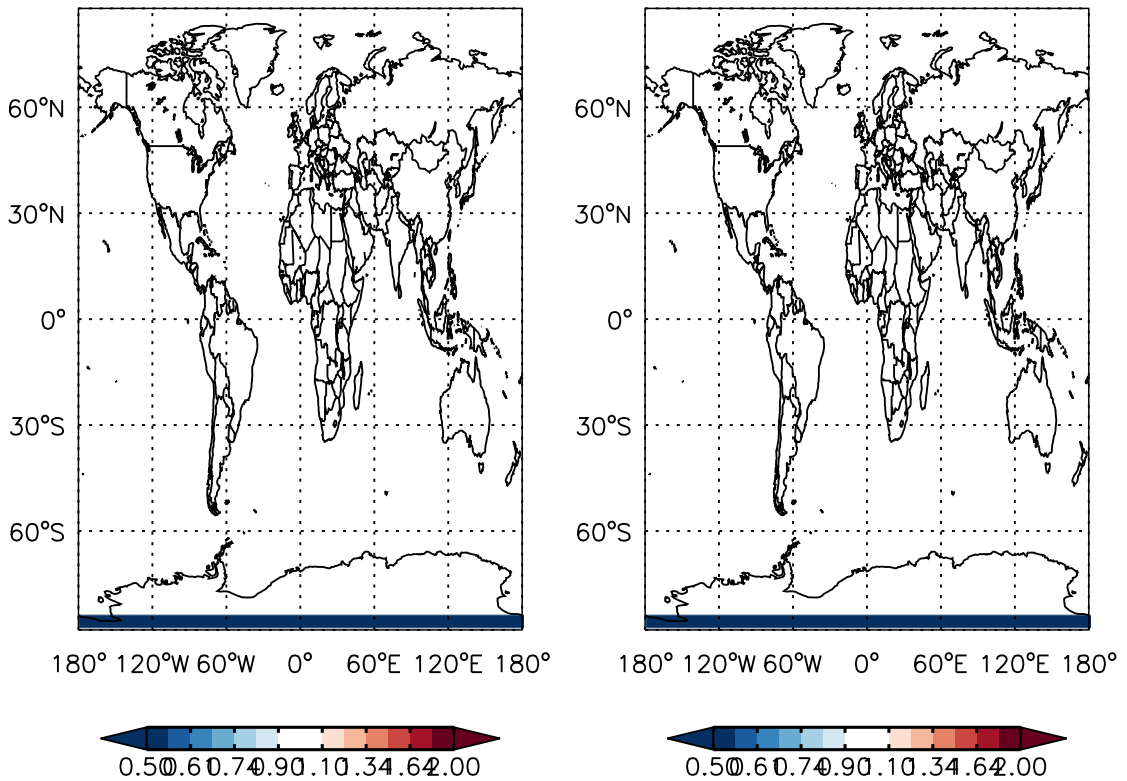
v11-01d-Run0 - v11-01b-Run0 v11-01d-Run0 - v11-01b-Run0

JBrNO2 - J-Value Ratio @ surface for Apr JBrNO2 - J-Value Ratio @ 500 hPa for Apr



v11-01d-Run0 - v10-01-public-Run0 v11-01d-Run0 - v10-01-public-Run0

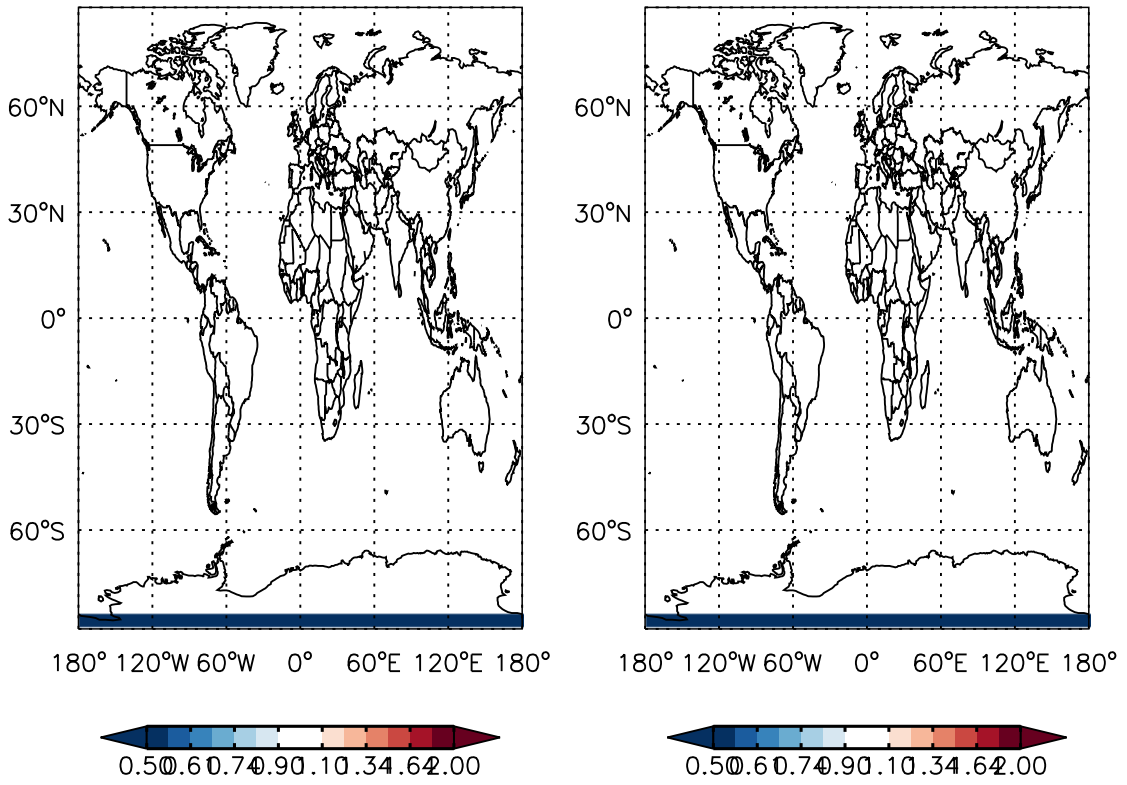
JBrNO2 - J-Value Ratio @ surface for Apr JBrNO2 - J-Value Ratio @ 500 hPa for Apr



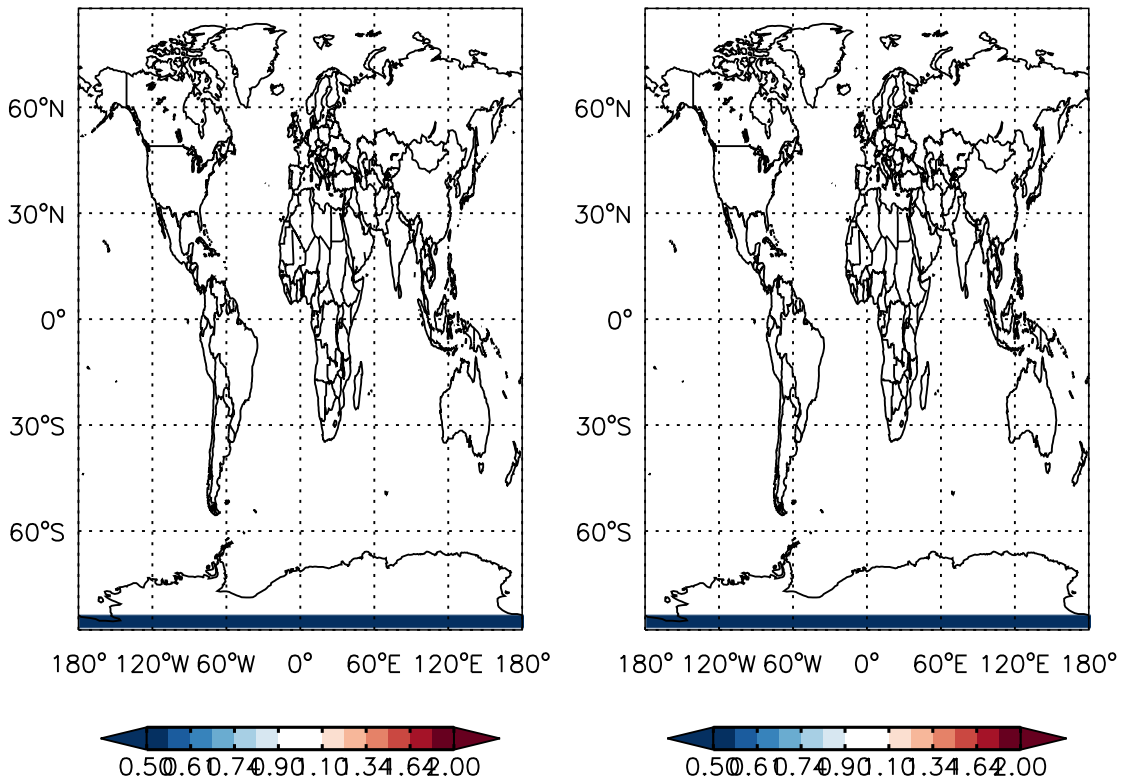
GEOS-Chem J-Values at surface and 500 hPa

v11-01d-Run0 - v11-01b-Run0 v11-01d-Run0 - v11-01b-Run0

JBrN03 - J-Value Ratio @ surface for Apr JBrN03 - J-Value Ratio @ 500 hPa for Apr



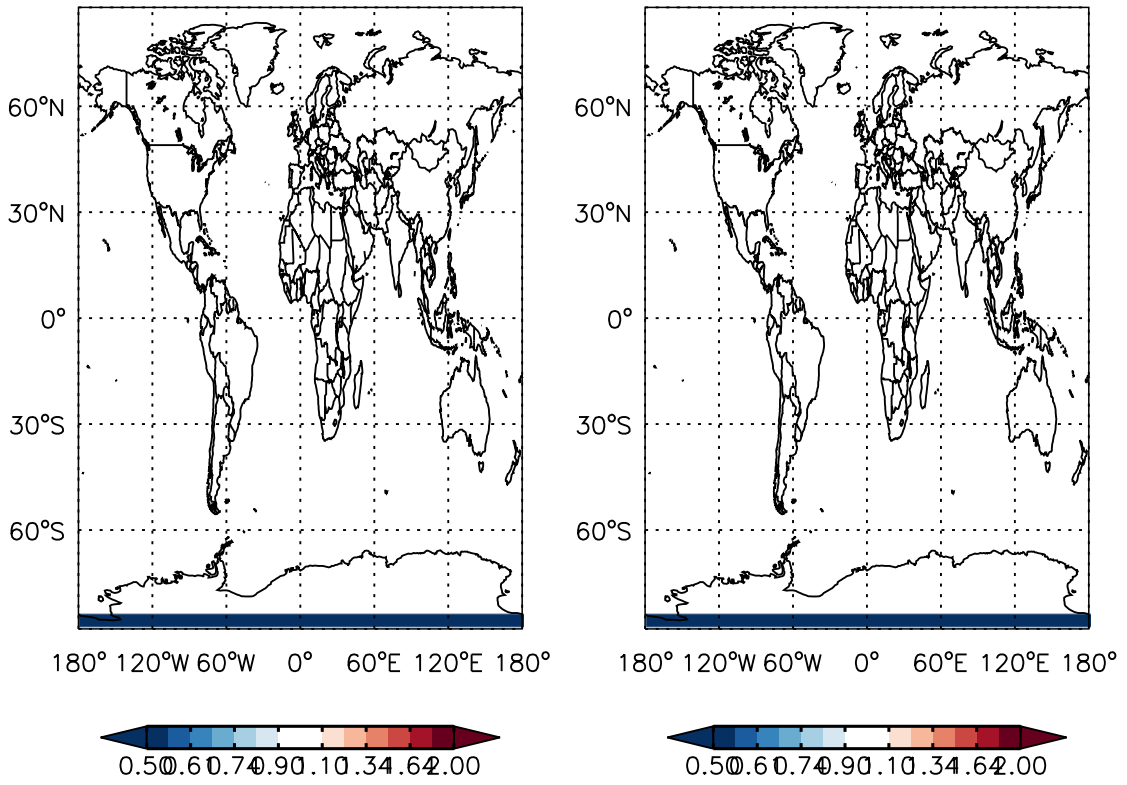
v11-01d-Run0 - v10-01-public-Run0 v11-01d-Run0 - v10-01-public-Run0
JBrN03 - J-Value Ratio @ surface for Apr JBrN03 - J-Value Ratio @ 500 hPa for Apr



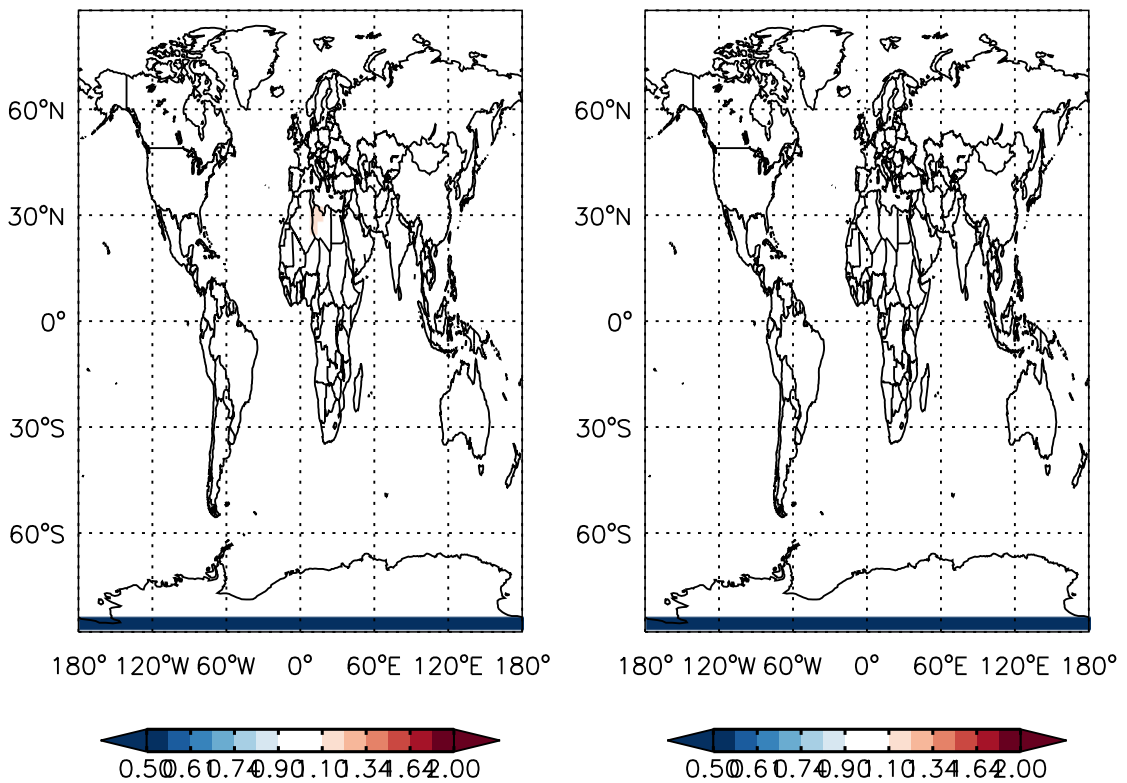
GEOS-Chem J-Values at surface and 500 hPa

v11-01d-Run0 - v11-01b-Run0 v11-01d-Run0 - v11-01b-Run0

JCHBr3 - J-Value Ratio @ surface to CHBr3 - J-Value Ratio @ 500 hPa for Apr



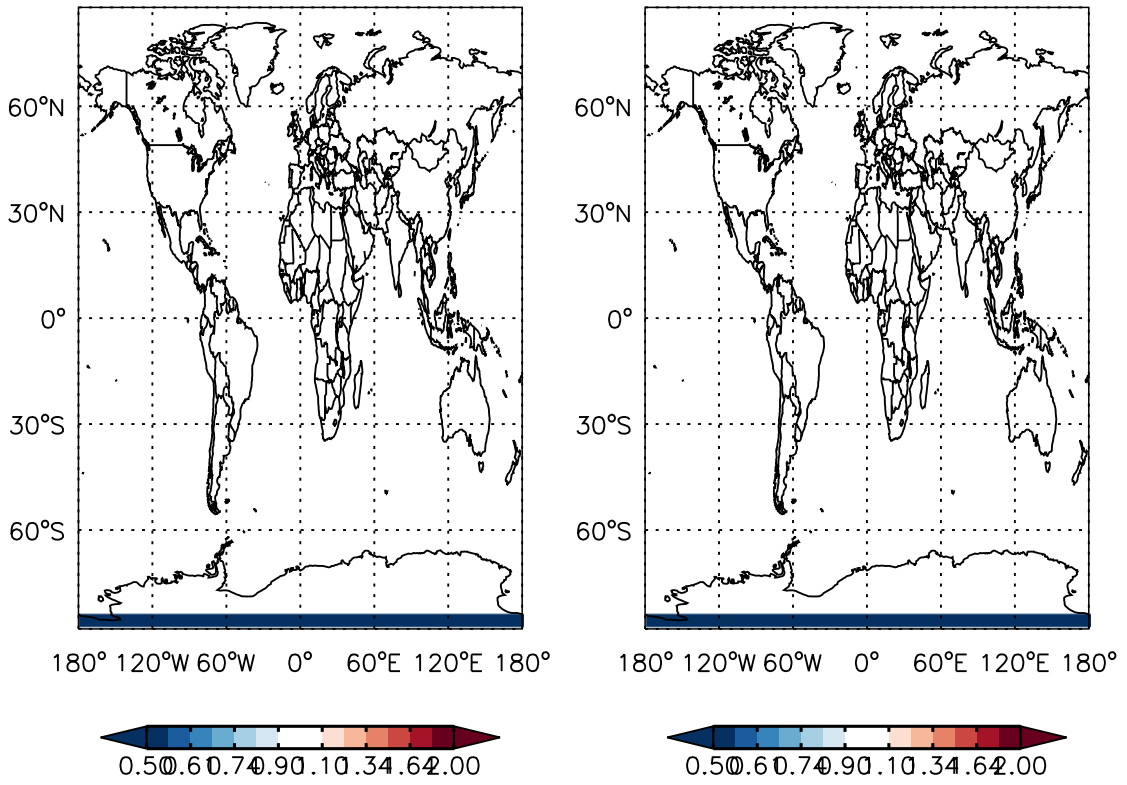
v11-01d-Run0 - v10-01-public-Run0 v11-01d-Run0 - v10-01-public-Run0
JCHBr3 - J-Value Ratio @ surface to CHBr3 - J-Value Ratio @ 500 hPa for Apr



GEOS-Chem J-Values at surface and 500 hPa

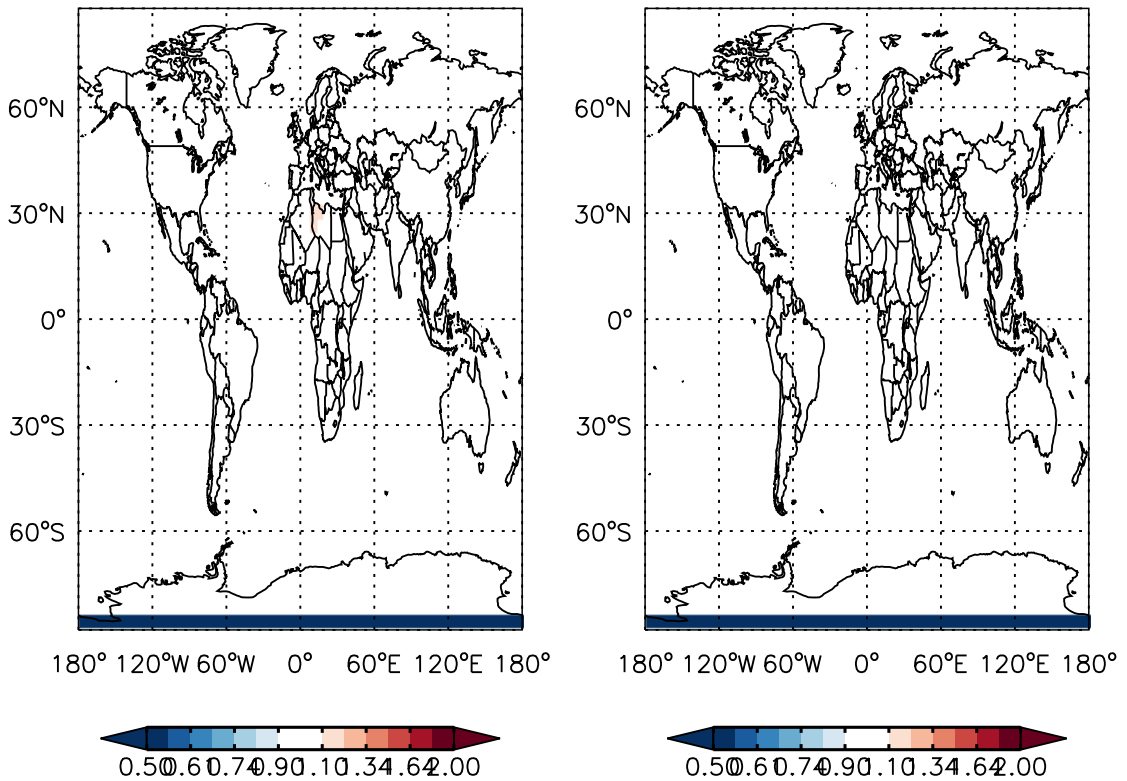
v11-01d-Run0 - v11-01b-Run0 v11-01d-Run0 - v11-01b-Run0

JHAC - J-Value Ratio @ surface for JHAC - J-Value Ratio @ 500 hPa for Apr



v11-01d-Run0 - v10-01-public-Run0 v11-01d-Run0 - v10-01-public-Run0

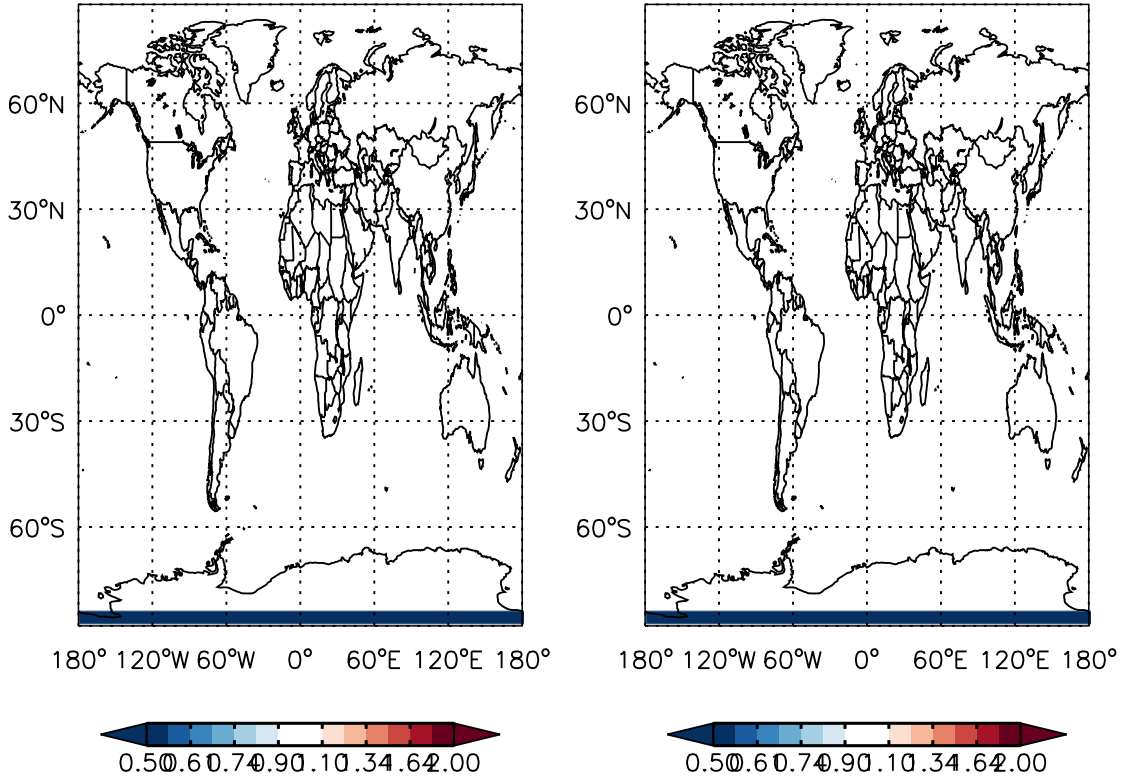
JHAC - J-Value Ratio @ surface for JHAC - J-Value Ratio @ 500 hPa for Apr



GEOS-Chem J-Values at surface and 500 hPa

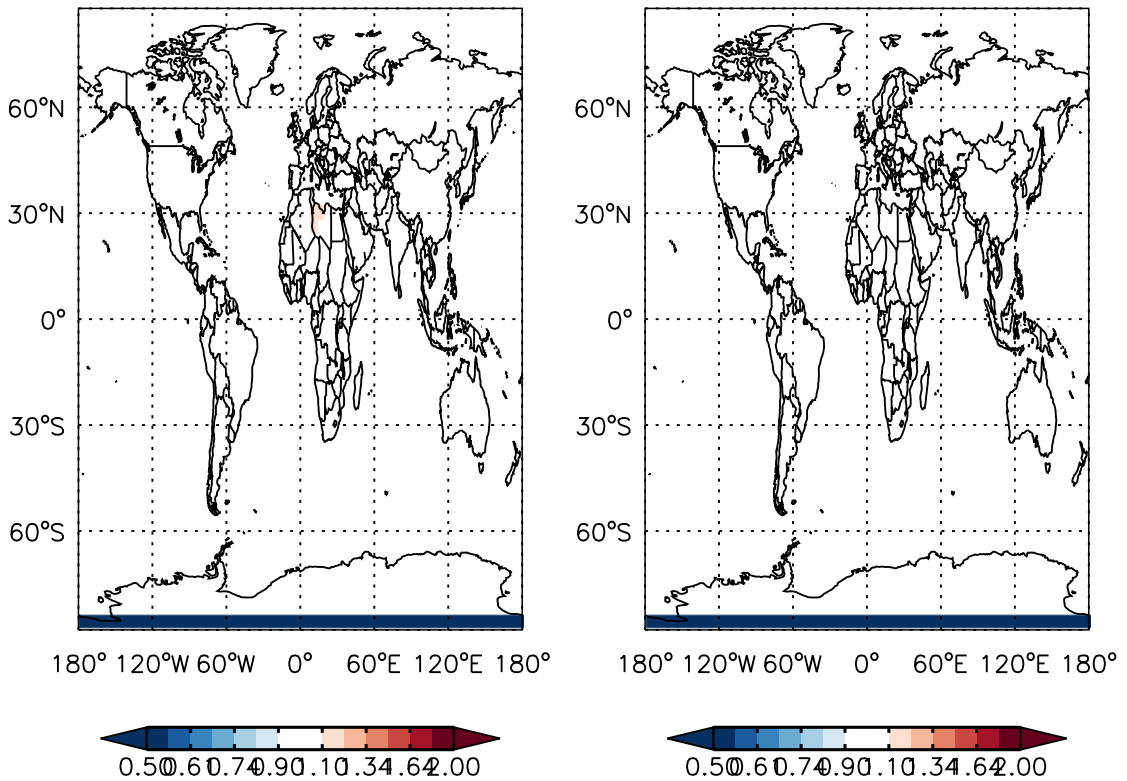
v11-01d-Run0 - v11-01b-Run0 v11-01d-Run0 - v11-01b-Run0

JGLYC - J-Value Ratio @ surface $\frac{J_{v11-01d-Run0}}{J_{v11-01b-Run0}}$ - J-Value Ratio @ 500 hPa for Apr



v11-01d-Run0 - v10-01-public-Run0 v11-01d-Run0 - v10-01-public-Run0

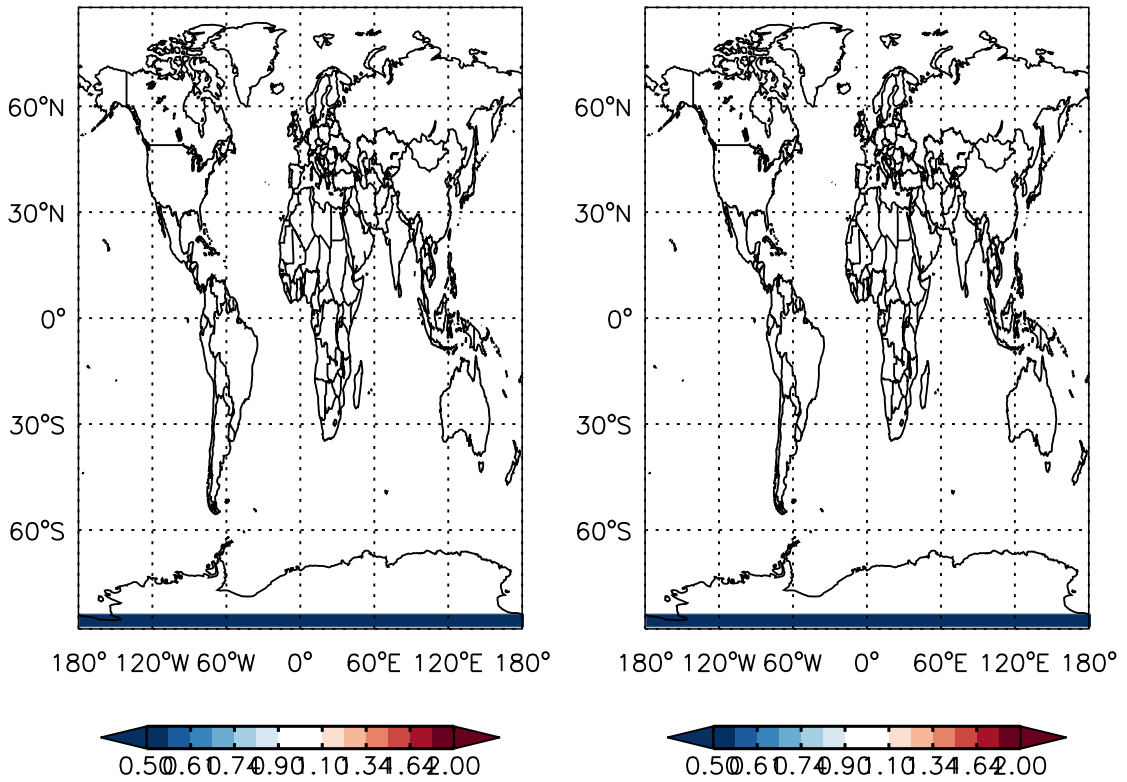
JGLYC - J-Value Ratio @ surface $\frac{J_{v11-01d-Run0}}{J_{v10-01-public-Run0}}$ - J-Value Ratio @ 500 hPa for Apr



GEOS-Chem J-Values at surface and 500 hPa

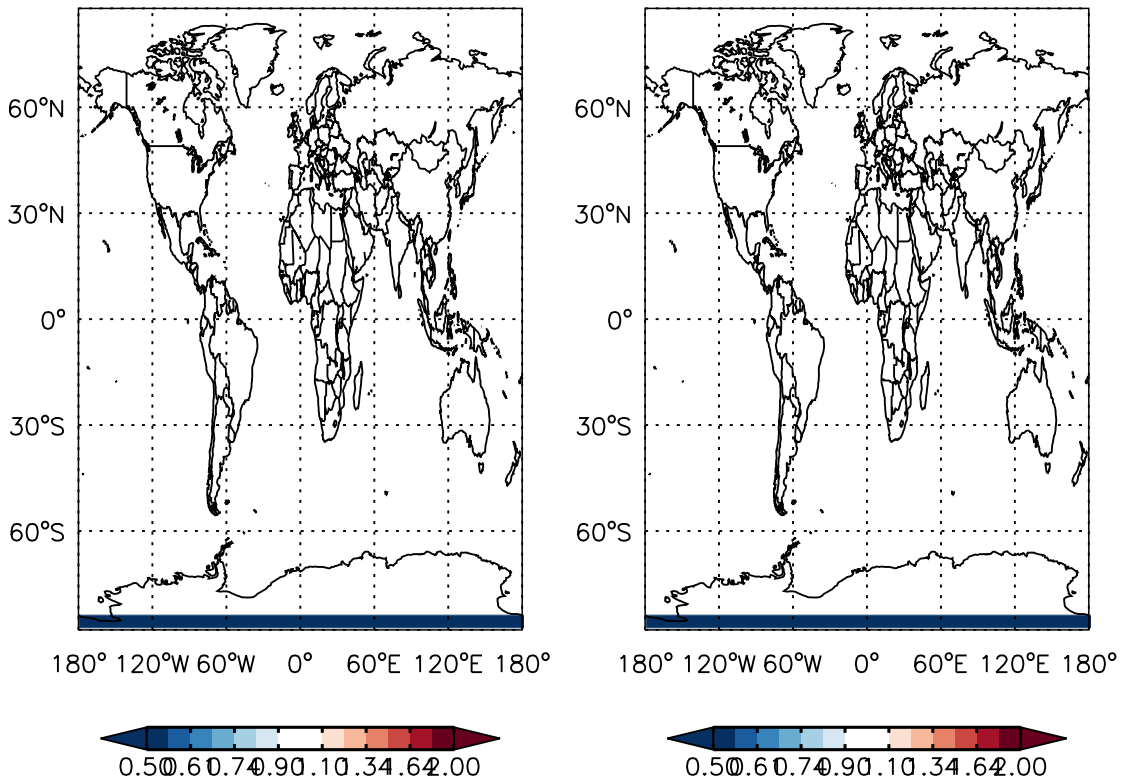
v11-01d-Run0 - v11-01b-Run0 v11-01d-Run0 - v11-01b-Run0

JNO2 - J-Value Ratio @ surface for JNO2 - J-Value Ratio @ 500 hPa for Apr



v11-01d-Run0 - v10-01-public-Run0 v11-01d-Run0 - v10-01-public-Run0

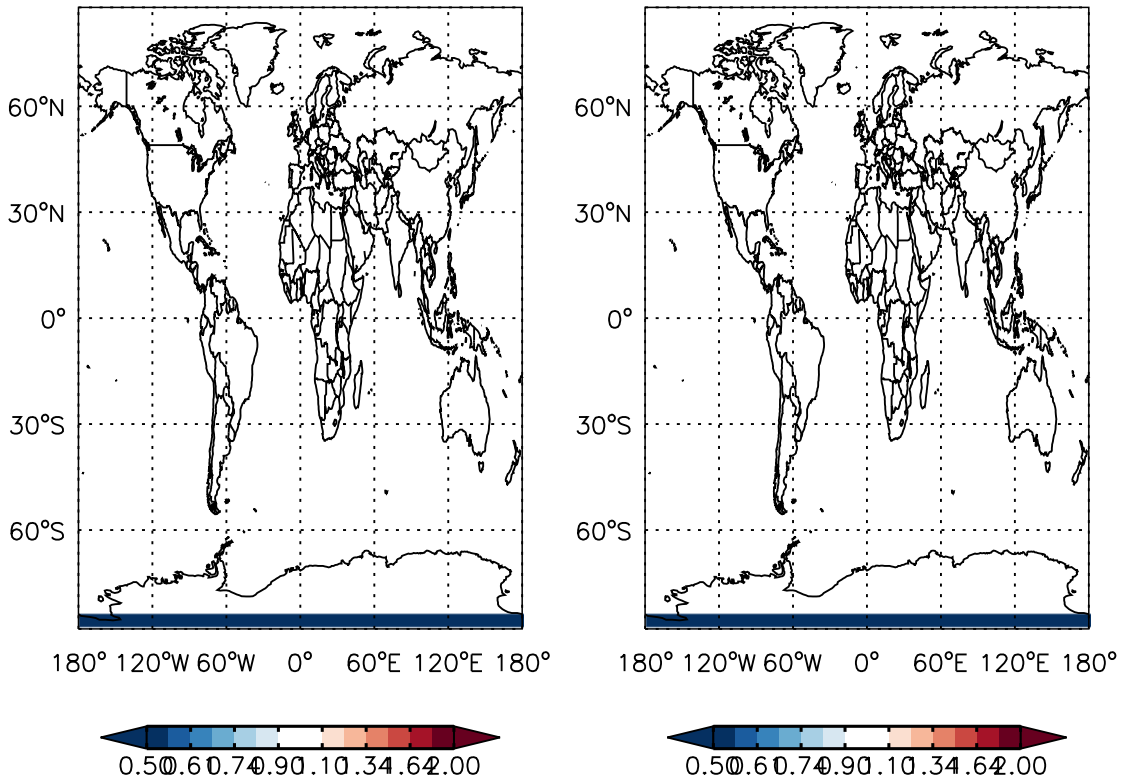
JNO2 - J-Value Ratio @ surface for JNO2 - J-Value Ratio @ 500 hPa for Apr



GEOS-Chem J-Values at surface and 500 hPa

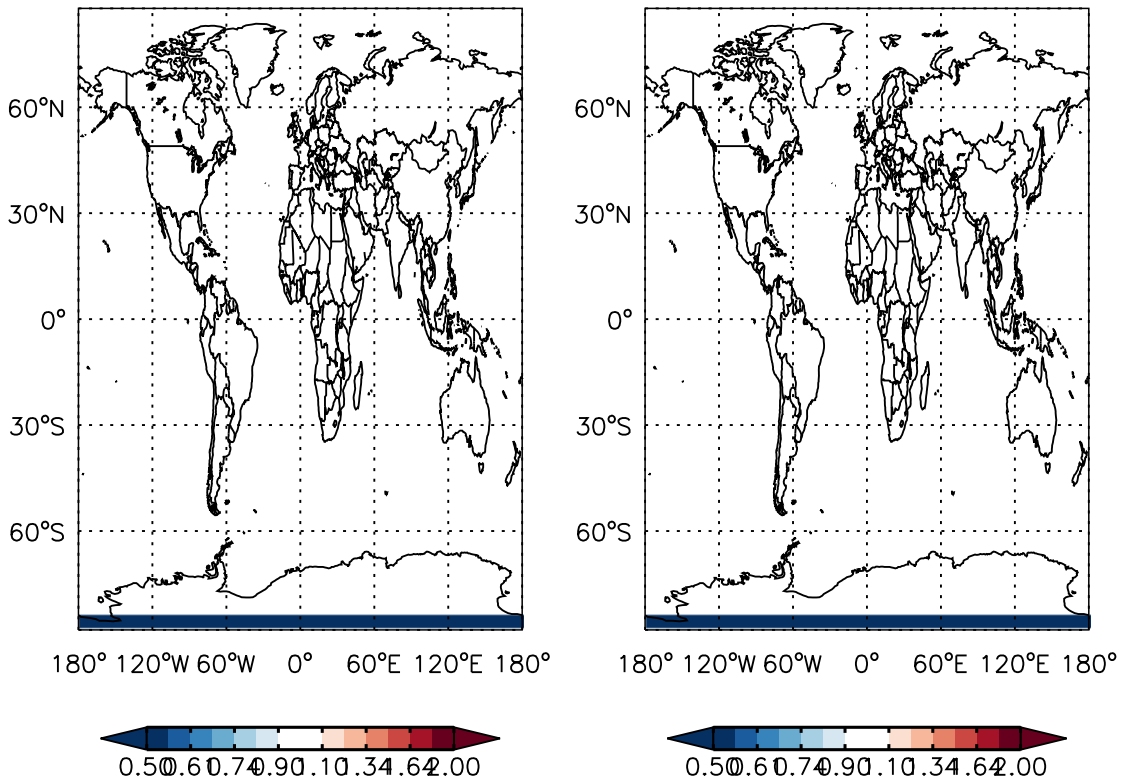
v11-01d-Run0 - v11-01b-Run0 v11-01d-Run0 - v11-01b-Run0

JNO3 - J-Value Ratio @ surface for JNO3 - J-Value Ratio @ 500 hPa for Apr



v11-01d-Run0 - v10-01-public-Run0 v11-01d-Run0 - v10-01-public-Run0

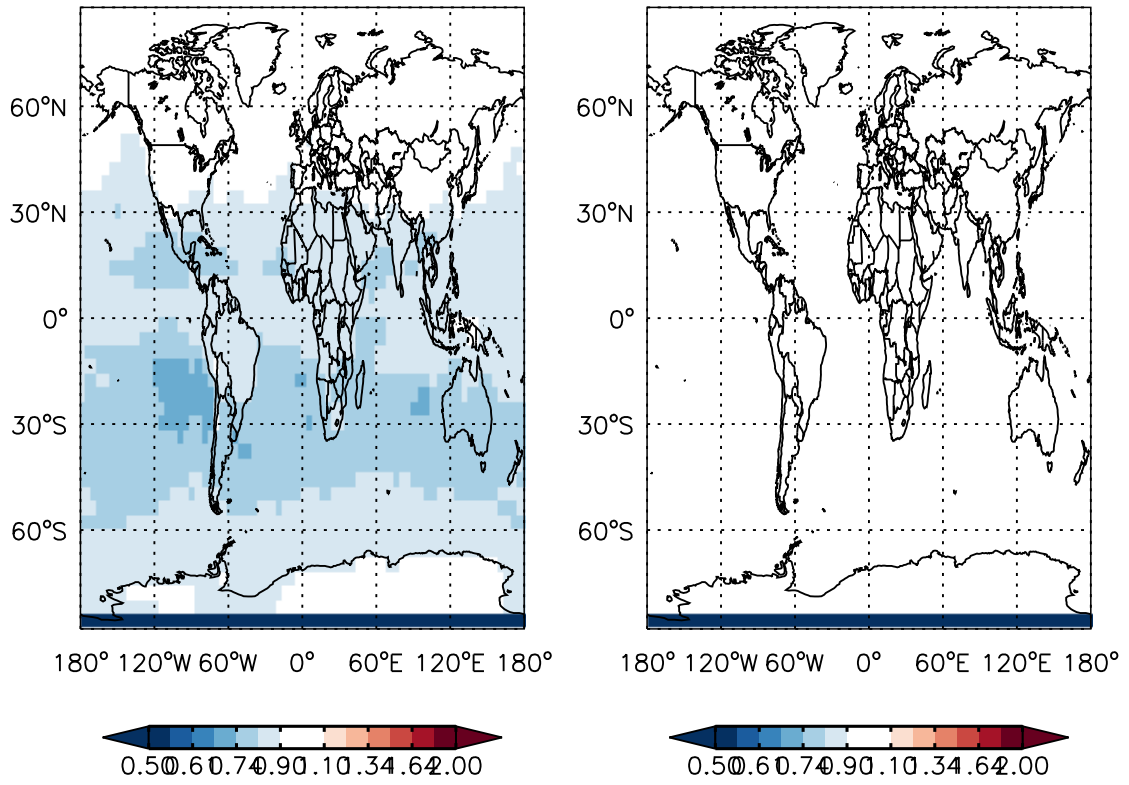
JNO3 - J-Value Ratio @ surface for JNO3 - J-Value Ratio @ 500 hPa for Apr



GEOS-Chem J-Values at surface and 500 hPa

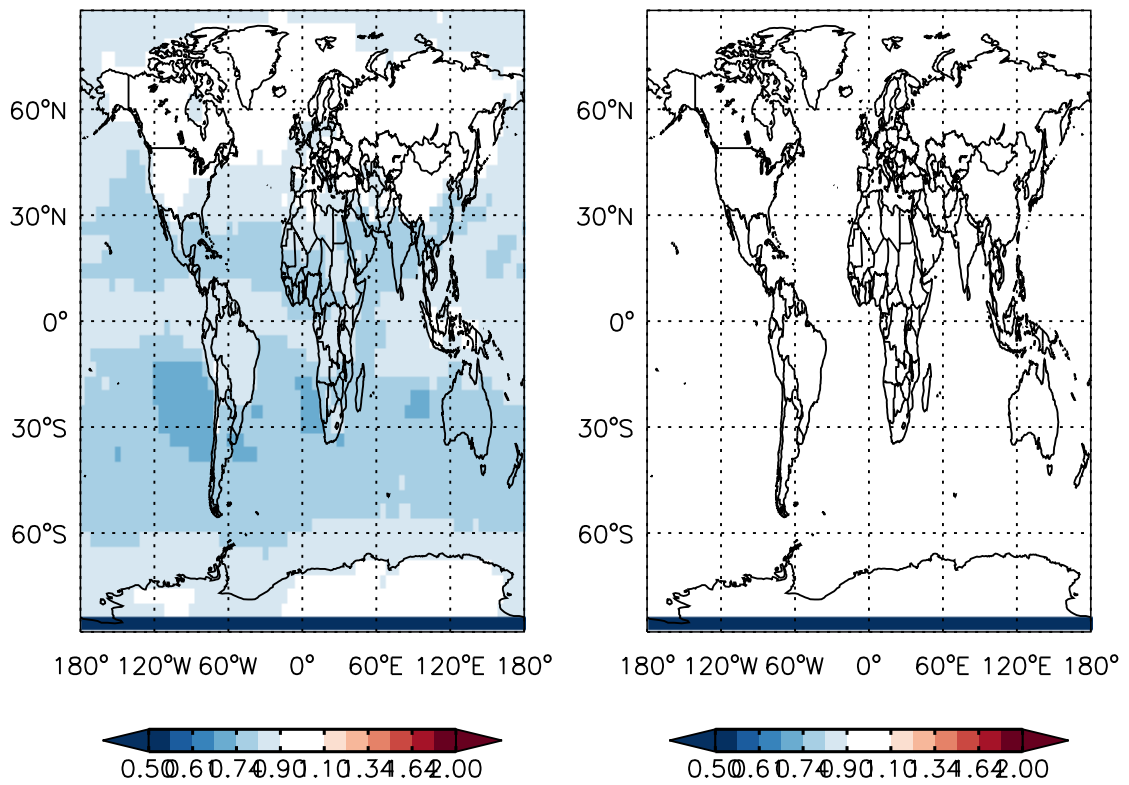
v11-01d-Run0 - v11-01b-Run0 v11-01d-Run0 - v11-01b-Run0

JN20 - J-Value Ratio @ surface for JN20 - J-Value Ratio @ 500 hPa for Apr



v11-01d-Run0 - v10-01-public-Run0 v11-01d-Run0 - v10-01-public-Run0

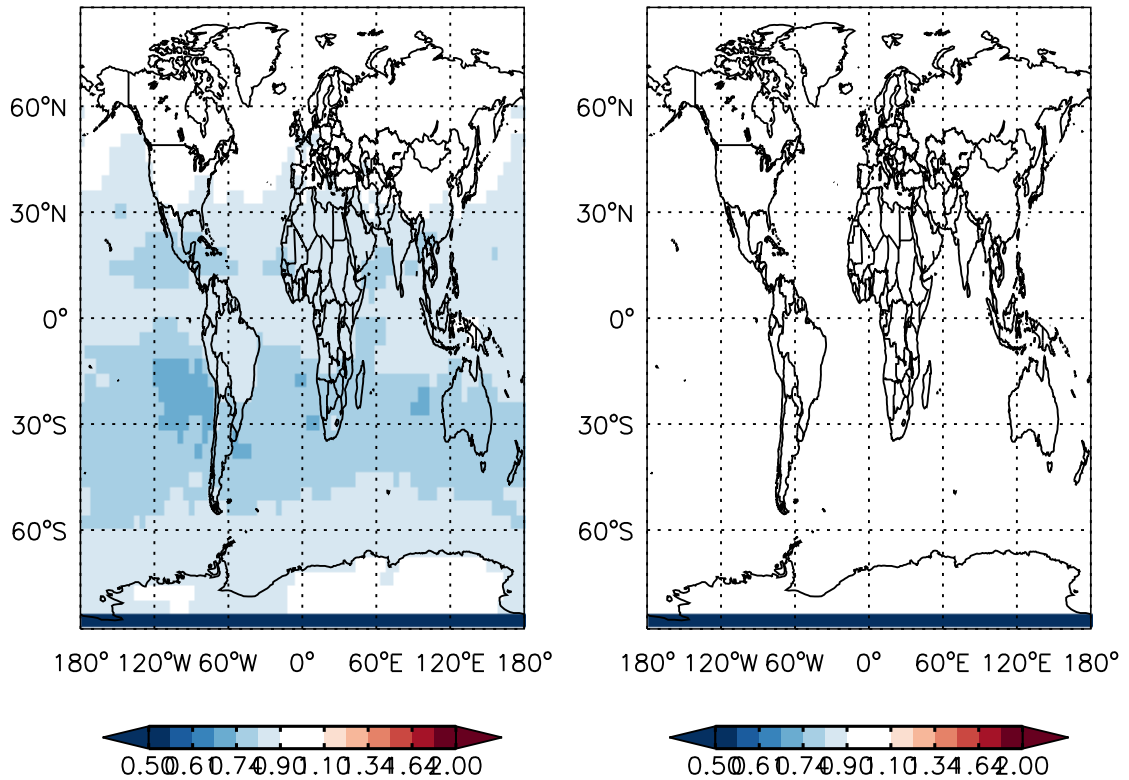
JN20 - J-Value Ratio @ surface for JN20 - J-Value Ratio @ 500 hPa for Apr



GEOS-Chem J-Values at surface and 500 hPa

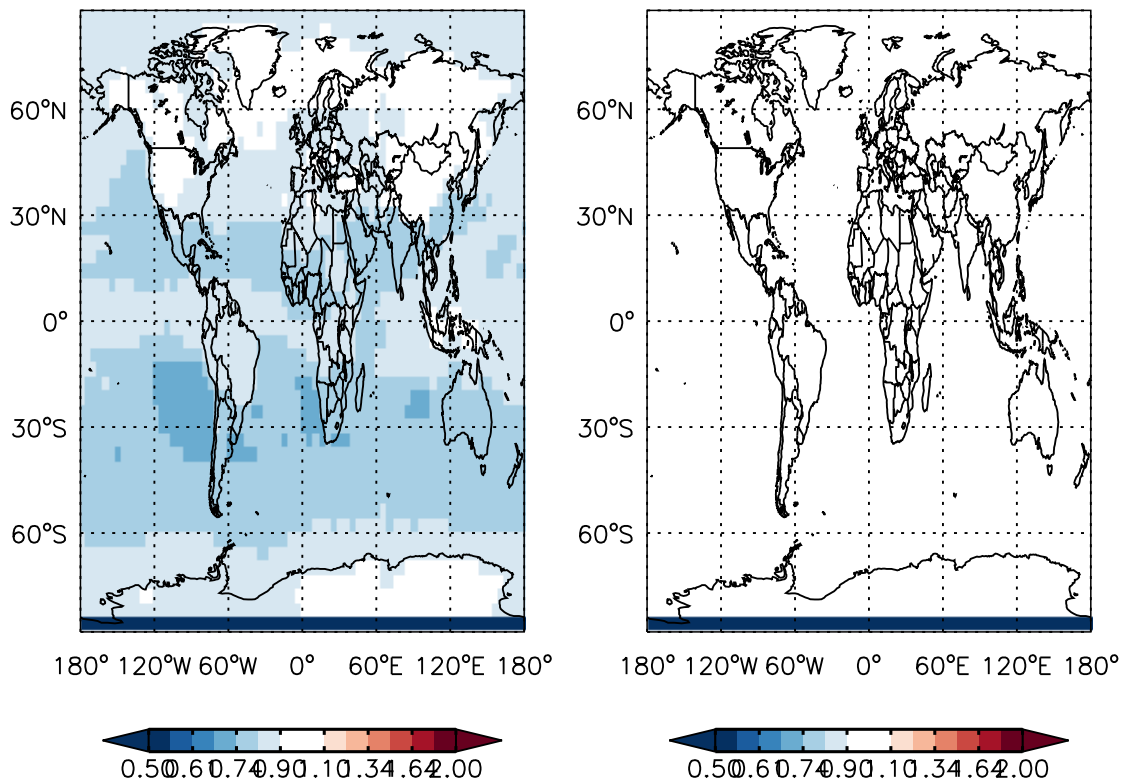
v11-01d-Run0 - v11-01b-Run0 v11-01d-Run0 - v11-01b-Run0

JCCI4 - J-Value Ratio @ surface for CO₄ - J-Value Ratio @ 500 hPa for Apr



v11-01d-Run0 - v10-01-public-Run0 v11-01d-Run0 - v10-01-public-Run0

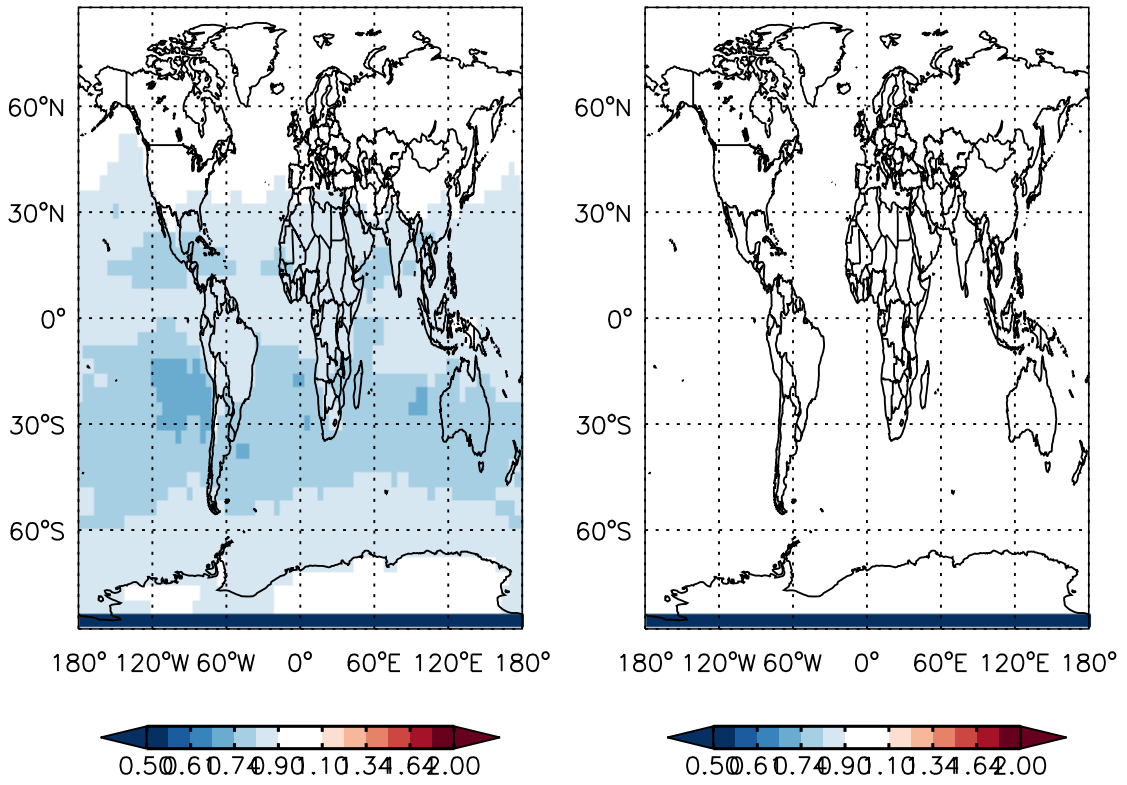
JCCI4 - J-Value Ratio @ surface for CO₄ - J-Value Ratio @ 500 hPa for Apr



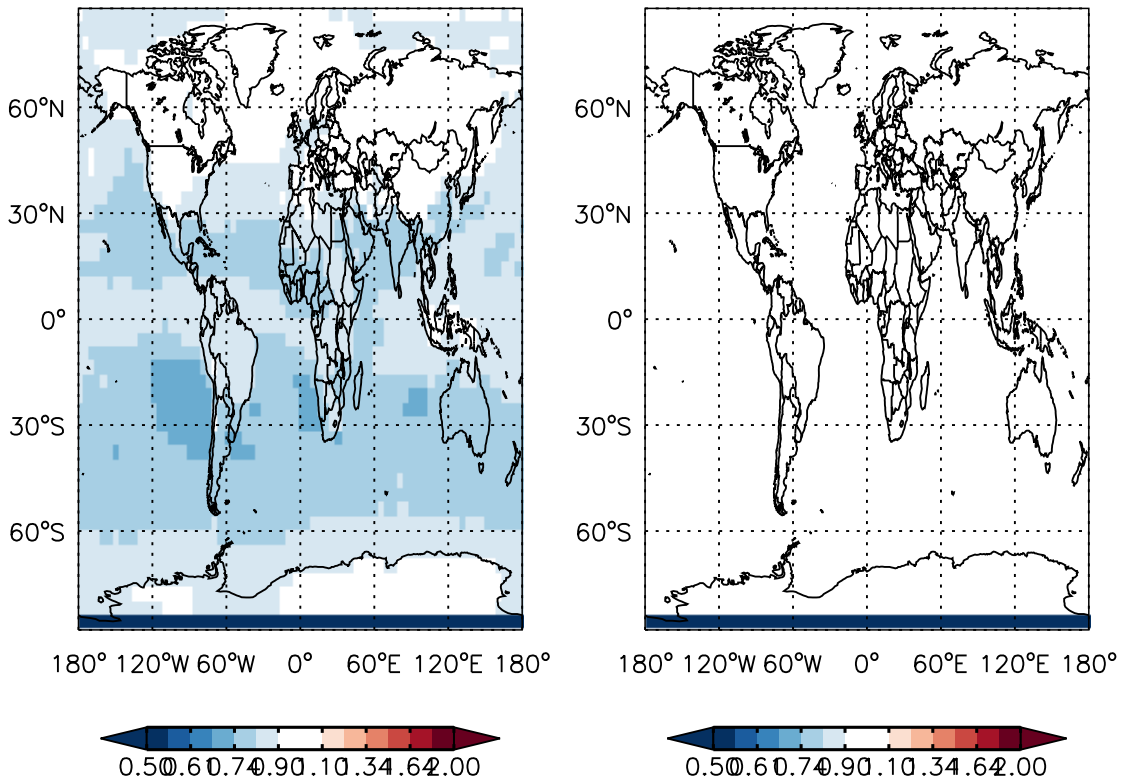
GEOS-Chem J-Values at surface and 500 hPa

v11-01d-Run0 - v11-01b-Run0 v11-01d-Run0 - v11-01b-Run0

JCH3Cl - J-Value Ratio @ surface for Apr JCH3Cl - J-Value Ratio @ 500 hPa for Apr



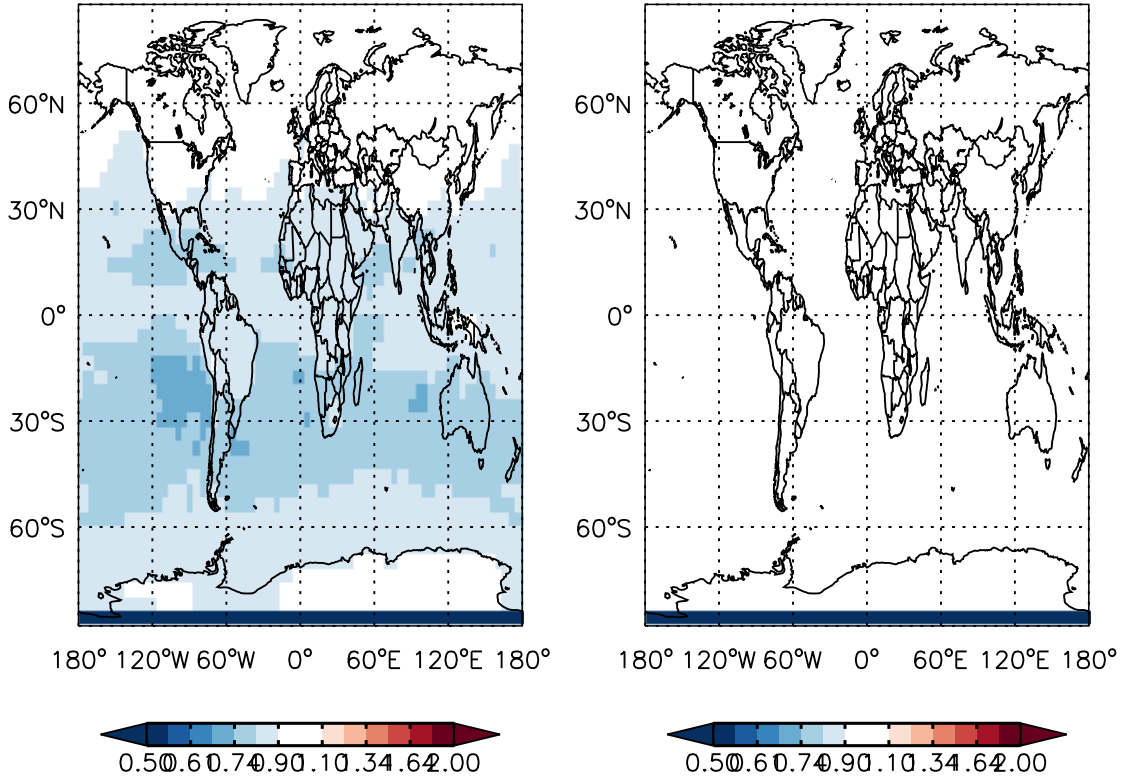
v11-01d-Run0 - v10-01-public-Run0 v11-01d-Run0 - v10-01-public-Run0
JCH3Cl - J-Value Ratio @ surface for Apr JCH3Cl - J-Value Ratio @ 500 hPa for Apr



GEOS-Chem J-Values at surface and 500 hPa

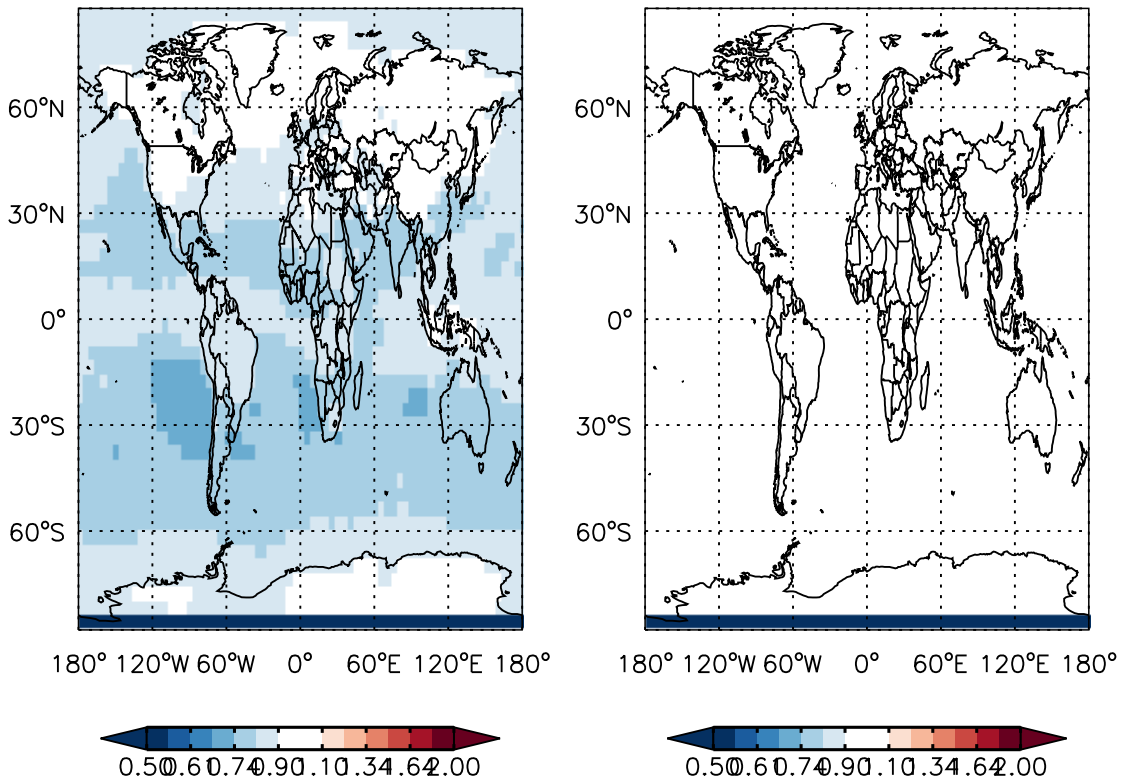
v11-01d-Run0 - v11-01b-Run0 v11-01d-Run0 - v11-01b-Run0

JCFC11 - J-Value Ratio @ surface $\frac{v11-01d-Run0}{v11-01b-Run0}$ - J-Value Ratio @ 500 hPa for Apr



v11-01d-Run0 - v10-01-public-Run0 v11-01d-Run0 - v10-01-public-Run0

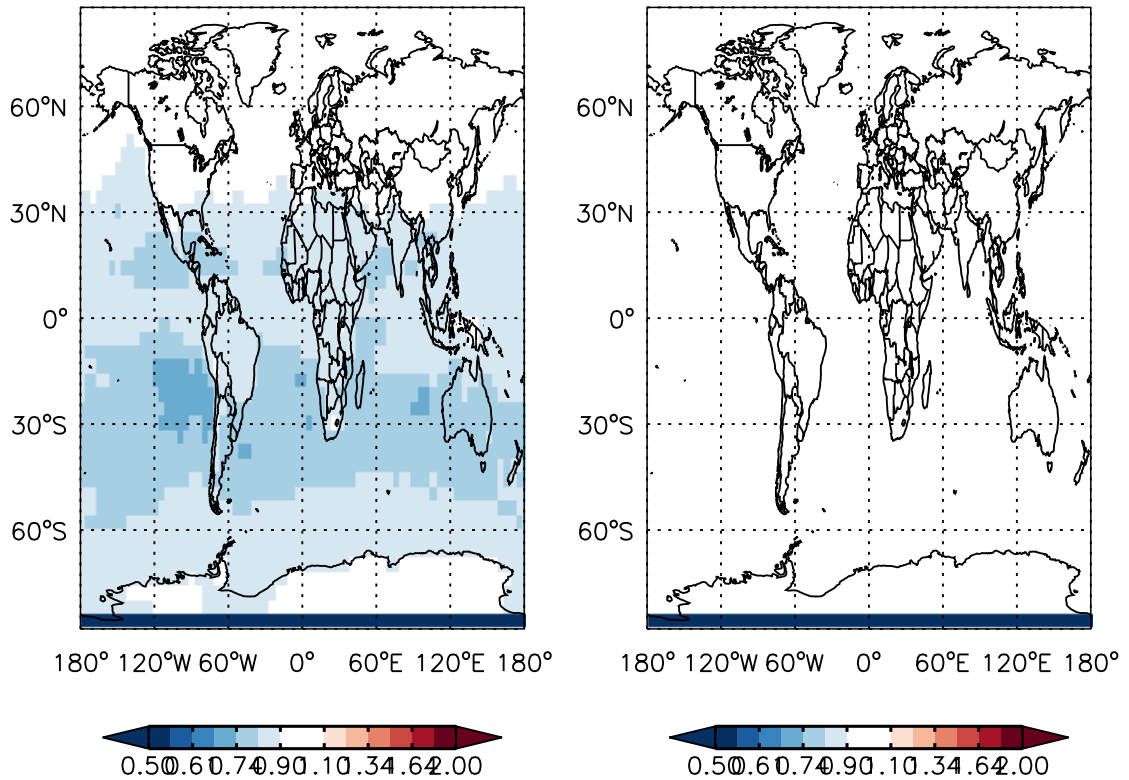
JCFC11 - J-Value Ratio @ surface $\frac{v11-01d-Run0}{v10-01-public-Run0}$ - J-Value Ratio @ 500 hPa for Apr



GEOS-Chem J-Values at surface and 500 hPa

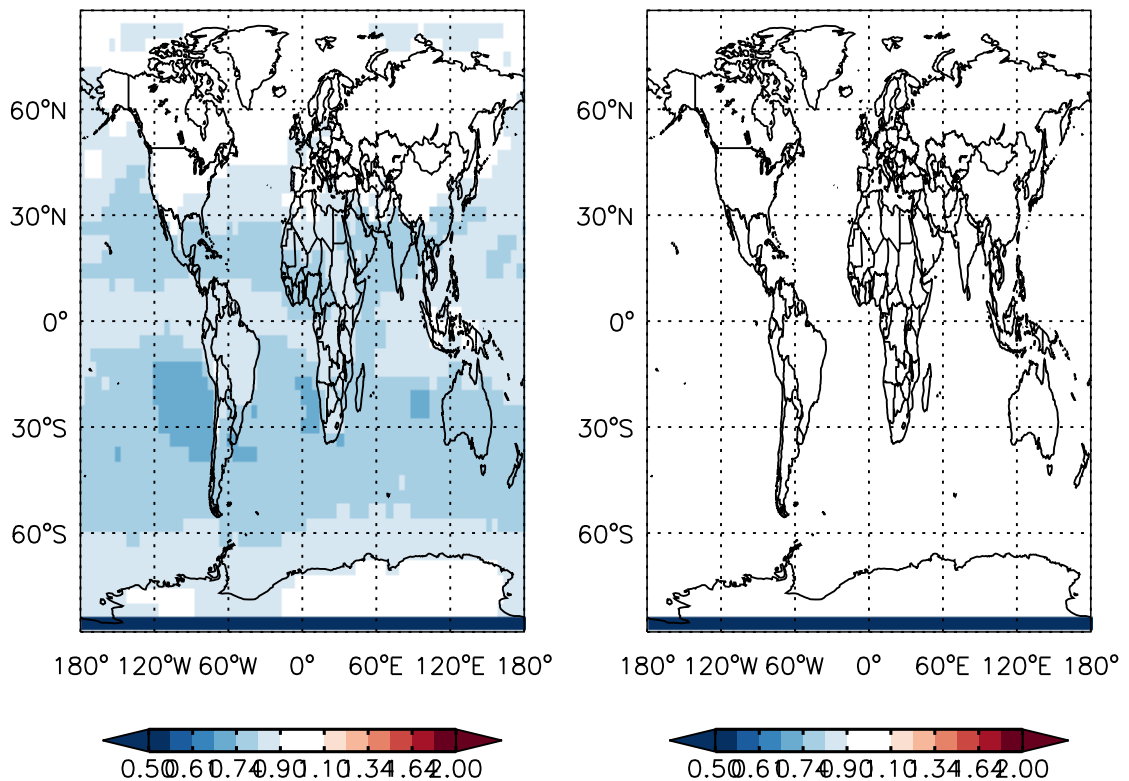
v11-01d-Run0 - v11-01b-Run0 v11-01d-Run0 - v11-01b-Run0

JCFC12 - J-Value Ratio @ surface $\frac{v11-01d-Run0}{v11-01b-Run0}$ - J-Value Ratio @ 500 hPa for Apr



v11-01d-Run0 - v10-01-public-Run0 v11-01d-Run0 - v10-01-public-Run0

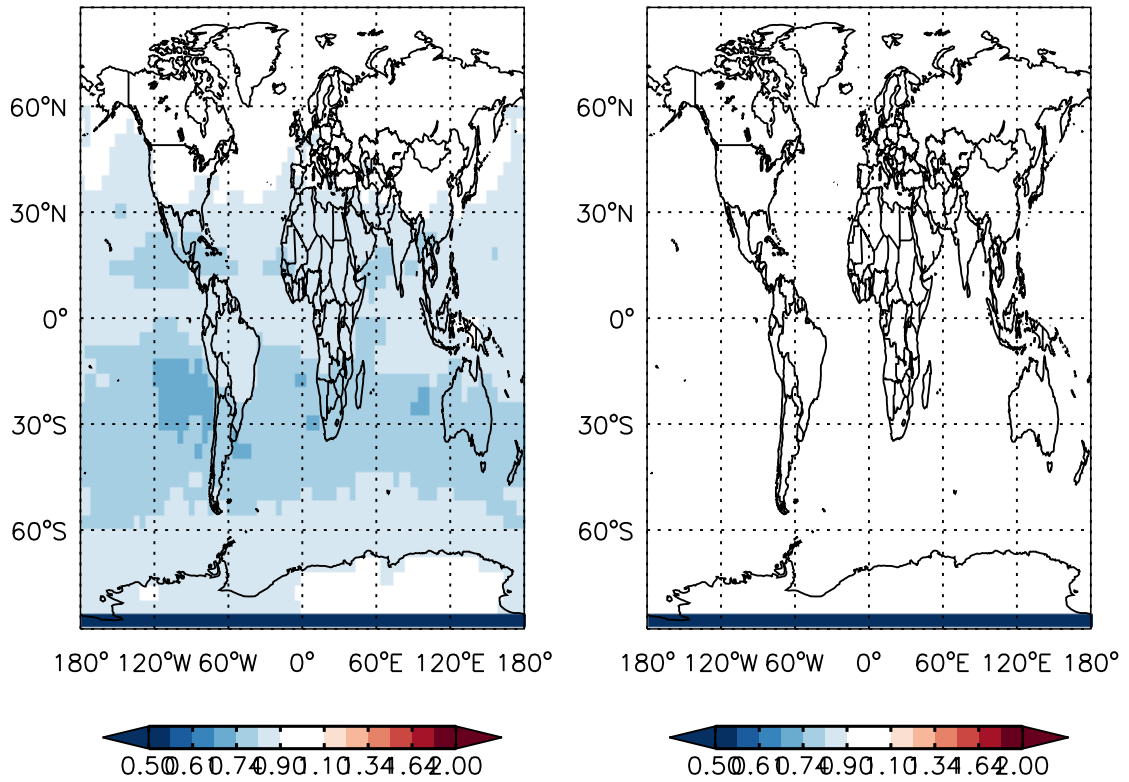
JCFC12 - J-Value Ratio @ surface $\frac{v11-01d-Run0}{v10-01-public-Run0}$ - J-Value Ratio @ 500 hPa for Apr



GEOS-Chem J-Values at surface and 500 hPa

v11-01d-Run0 - v11-01b-Run0 v11-01d-Run0 - v11-01b-Run0

J02 - J-Value Ratio @ surface for NO_2 J-Value Ratio @ 500 hPa for Apr



v11-01d-Run0 - v10-01-public-Run0 v11-01d-Run0 - v10-01-public-Run0

J02 - J-Value Ratio @ surface for NO_2 J-Value Ratio @ 500 hPa for Apr

