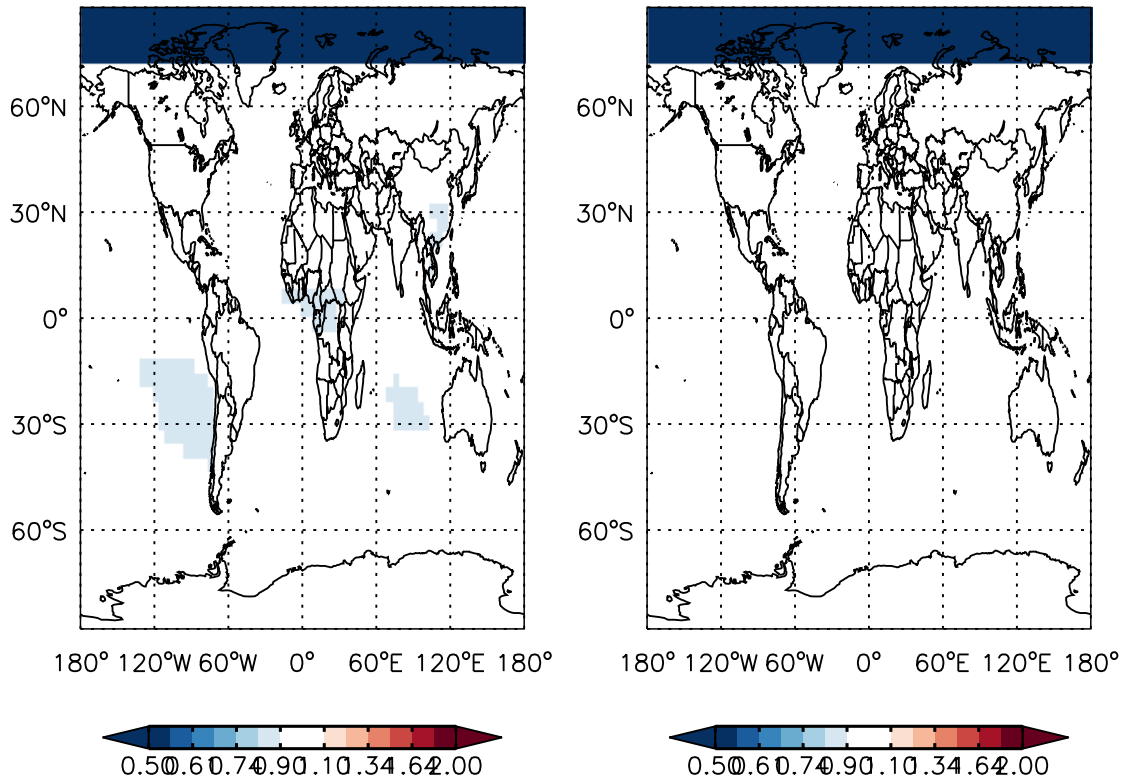


GEOS-Chem J-Values at surface and 500 hPa

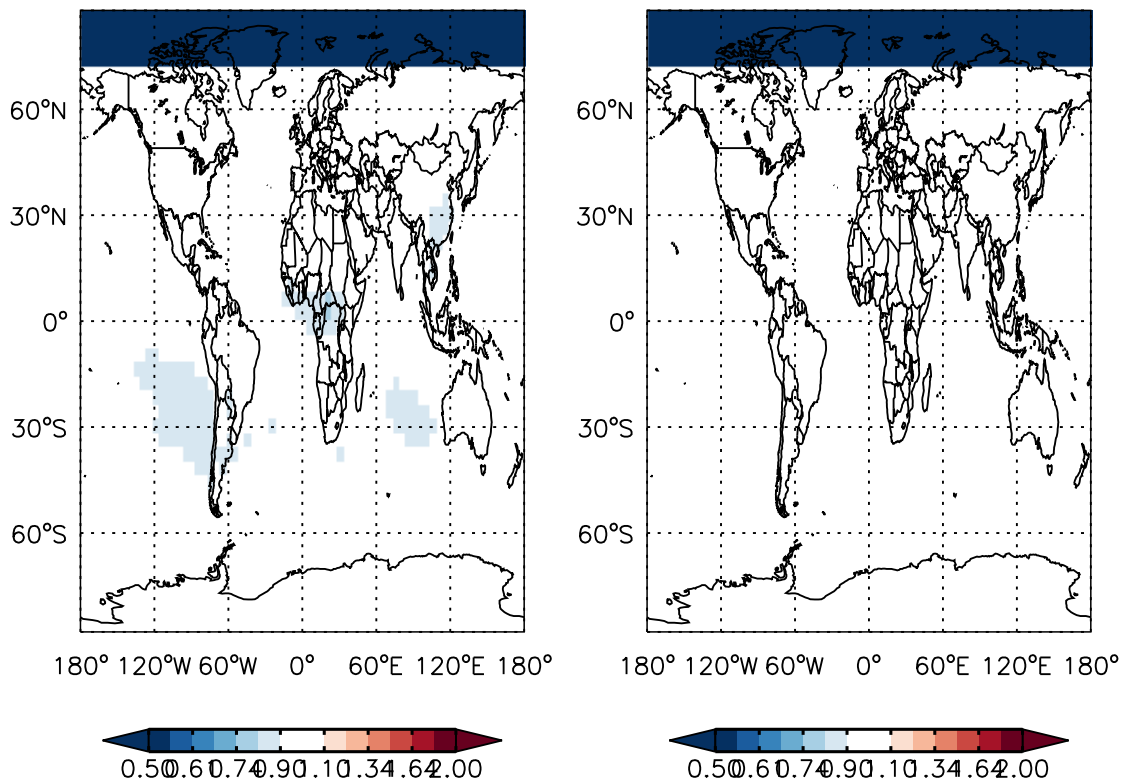
v11-01d-Run0 - v11-01b-Run0 v11-01d-Run0 - v11-01b-Run0

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



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

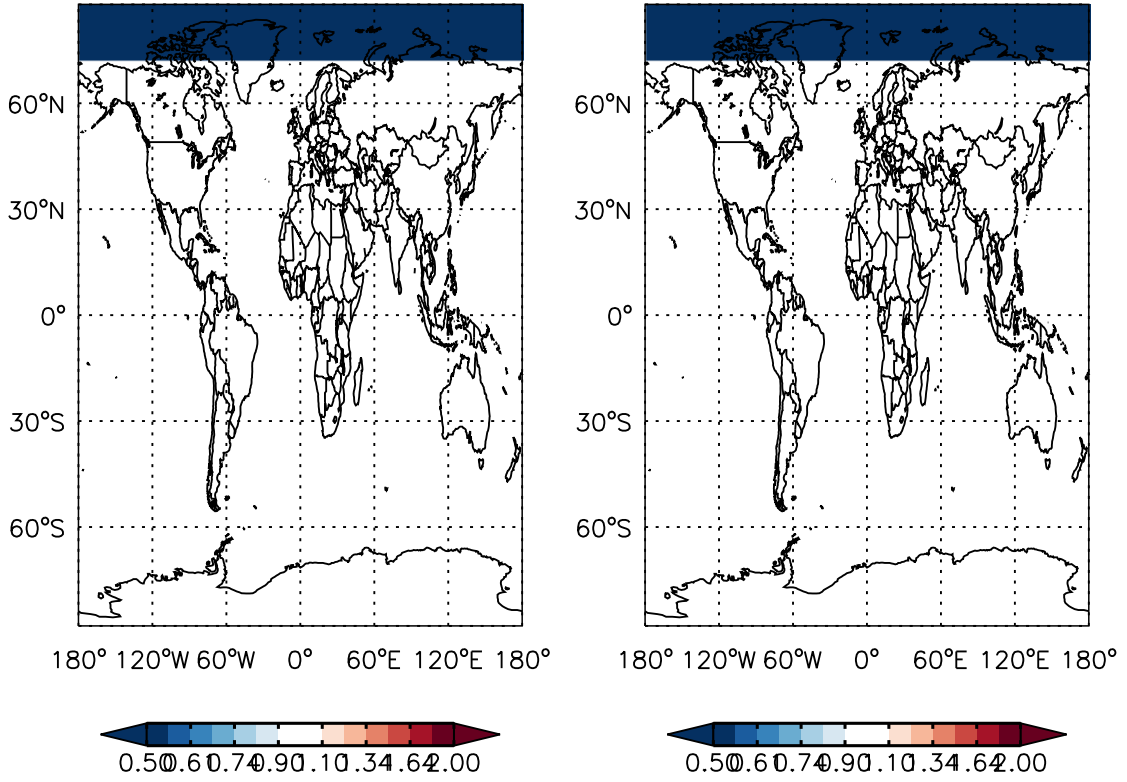
JNO - J-Value Ratio @ surface for JNO - J-Value Ratio @ 500 hPa for Jan



GEOS-Chem J-Values at surface and 500 hPa

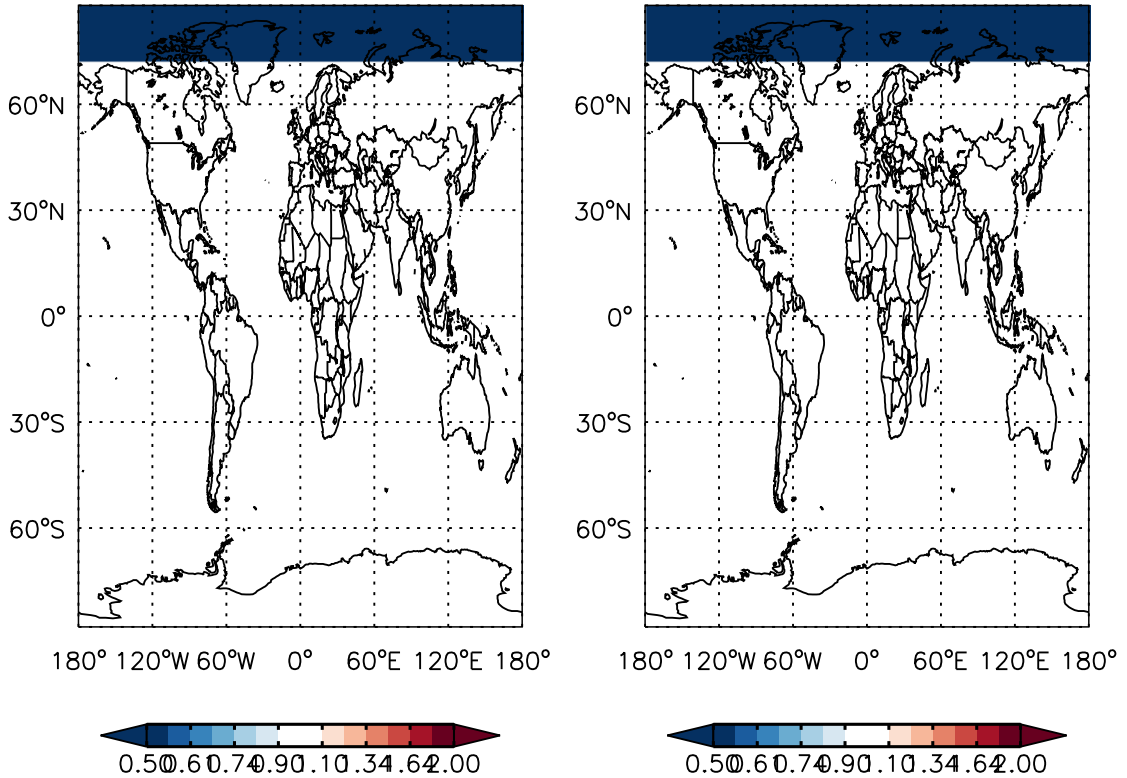
v11-01d-Run0 - v11-01b-Run0 v11-01d-Run0 - v11-01b-Run0

J03_01D - J-Value Ratio @ surface J03_01D - J-Value Ratio @ 500 hPa for Jan



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

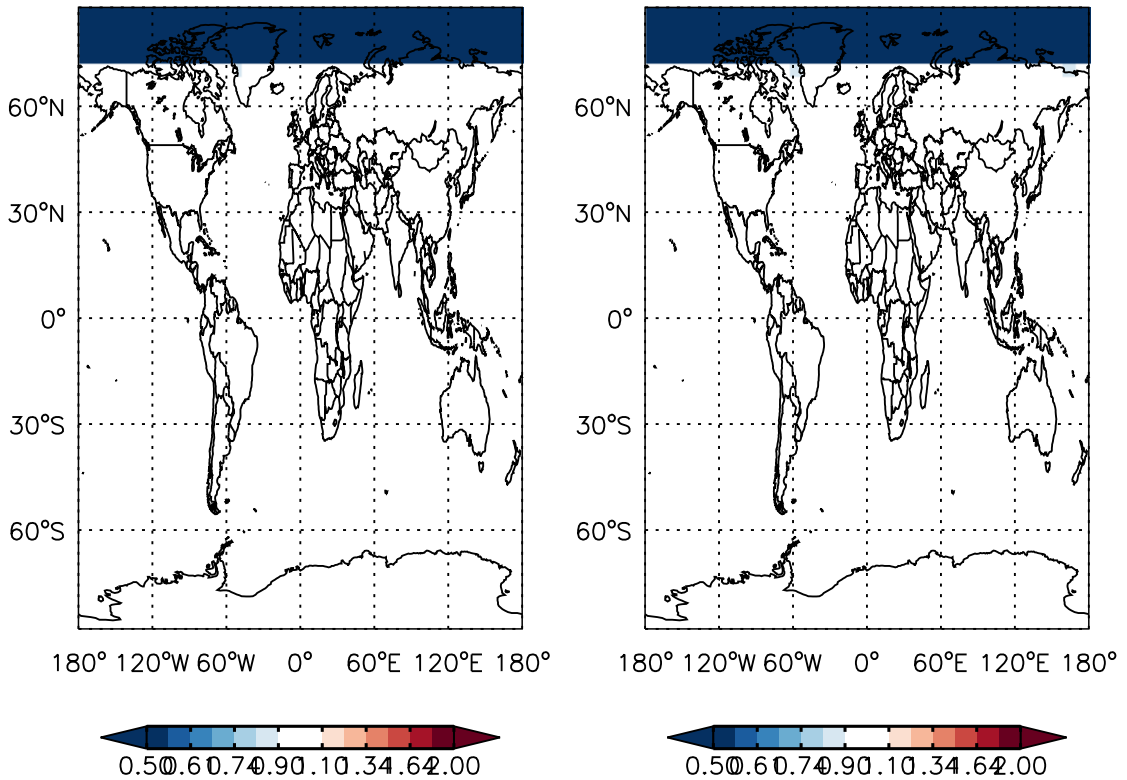
J03_01D - J-Value Ratio @ surface J03_01D - J-Value Ratio @ 500 hPa for Jan



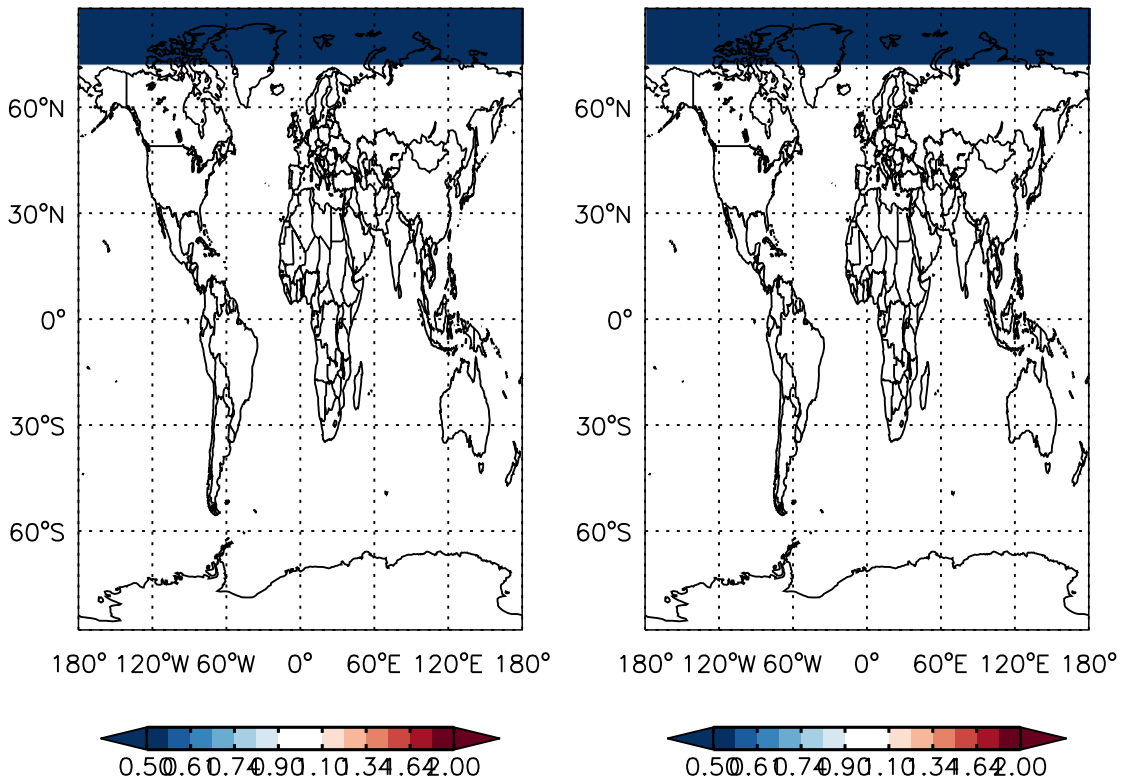
GEOS-Chem J-Values at surface and 500 hPa

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

J03_03P - J-Value Ratio @ surface J03_03P - J-Value Ratio @ 500 hPa for Jan



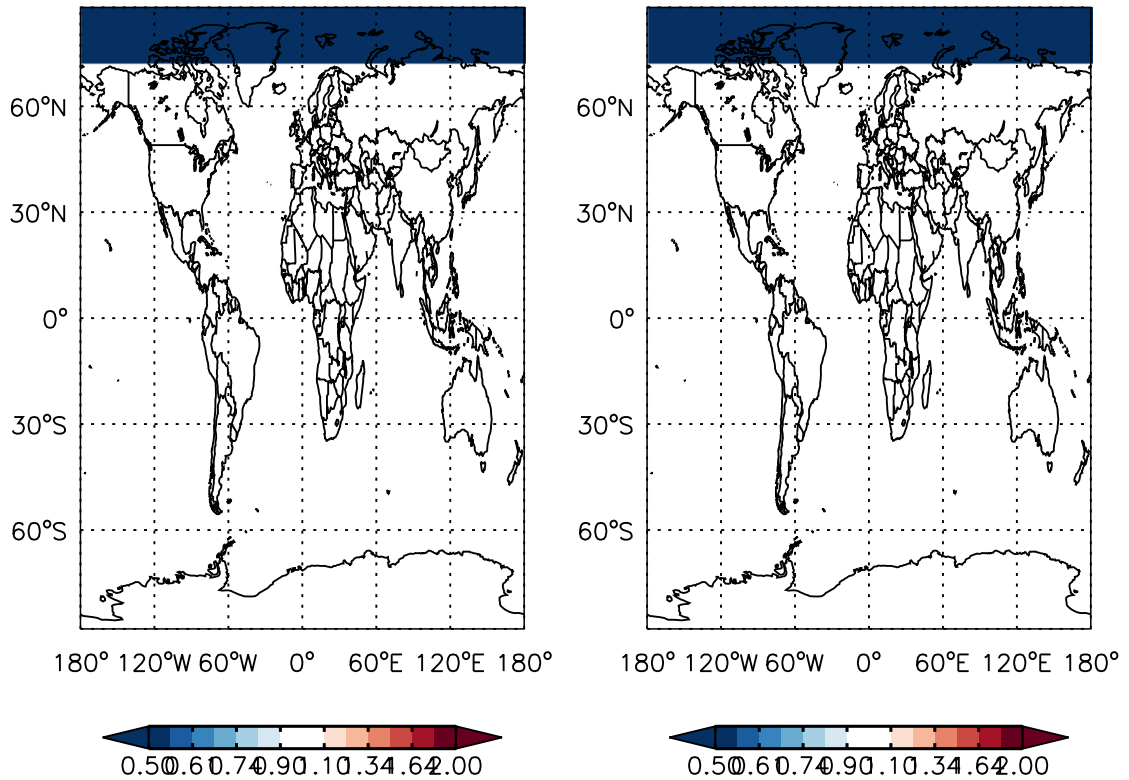
v11-01d-Run0 - v10-01-public-Run0 v11-01d-Run0 - v10-01-public-Run0
J03_03P - J-Value Ratio @ surface J03_03P - J-Value Ratio @ 500 hPa for Jan



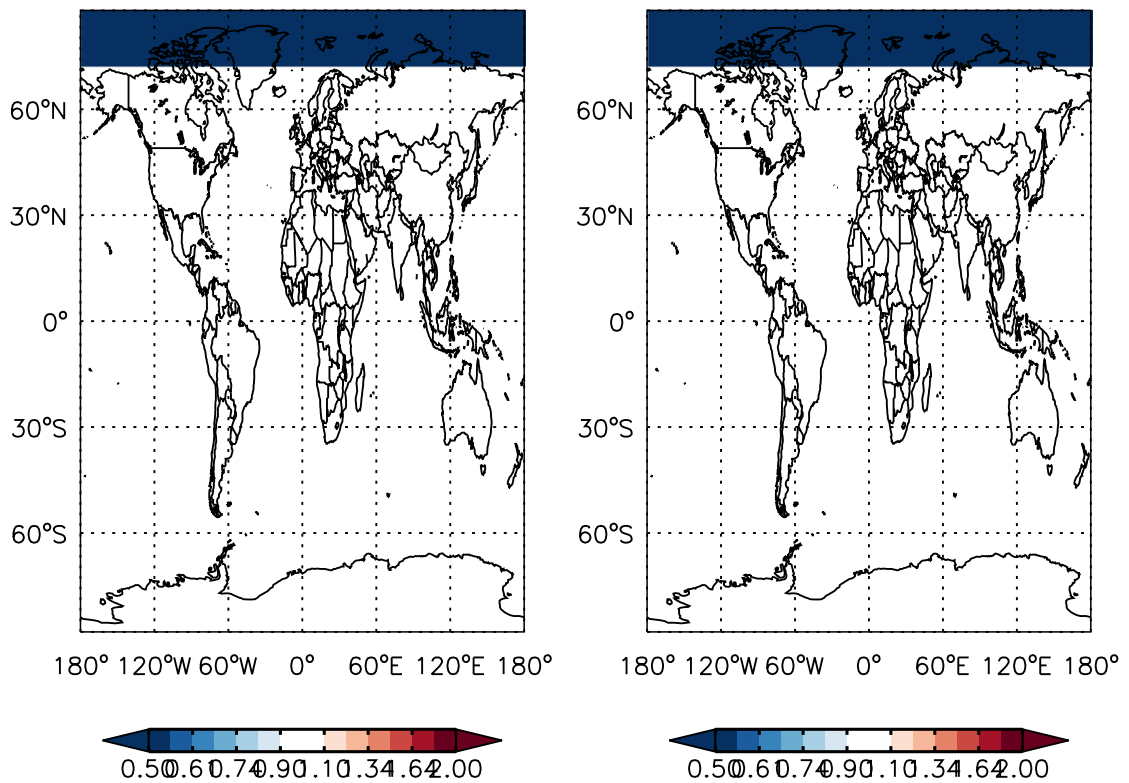
GEOS-Chem J-Values at surface and 500 hPa

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

JHN03 - J-Value Ratio @ surface fdHN03 - J-Value Ratio @ 500 hPa for Jan



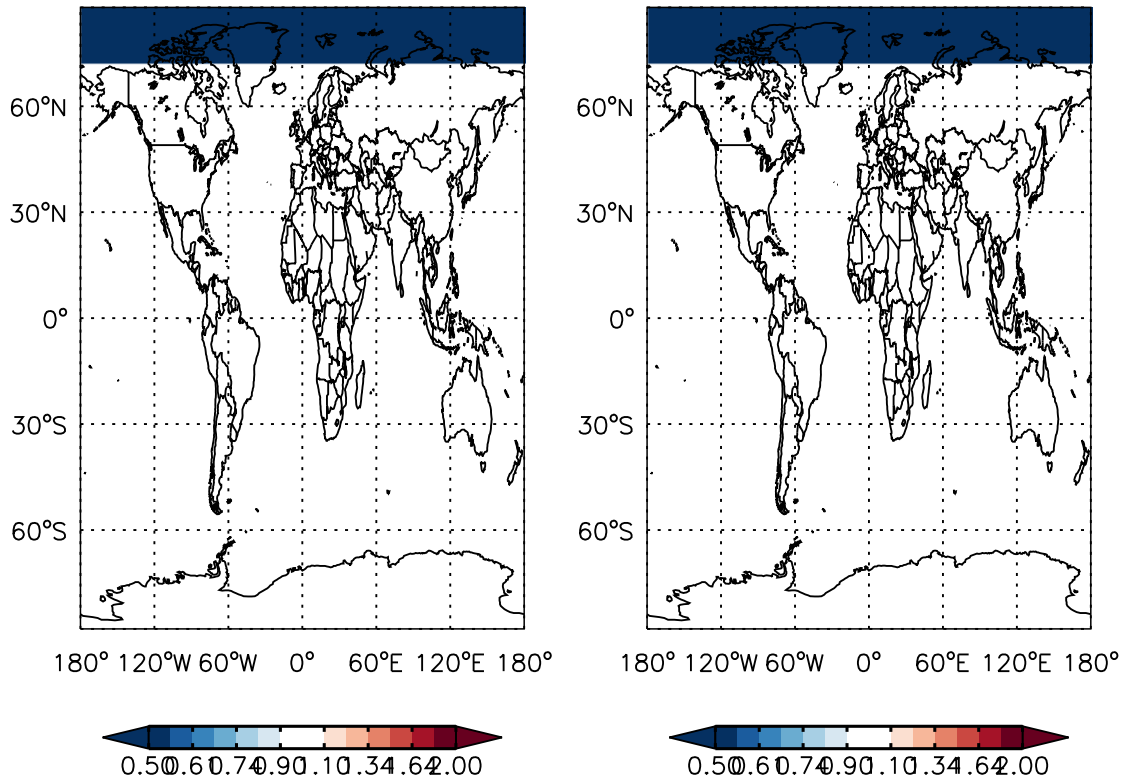
v11-01d-Run0 - v10-01-public-Run0 v11-01d-Run0 - v10-01-public-Run0
JHN03 - J-Value Ratio @ surface fdHN03 - J-Value Ratio @ 500 hPa for Jan



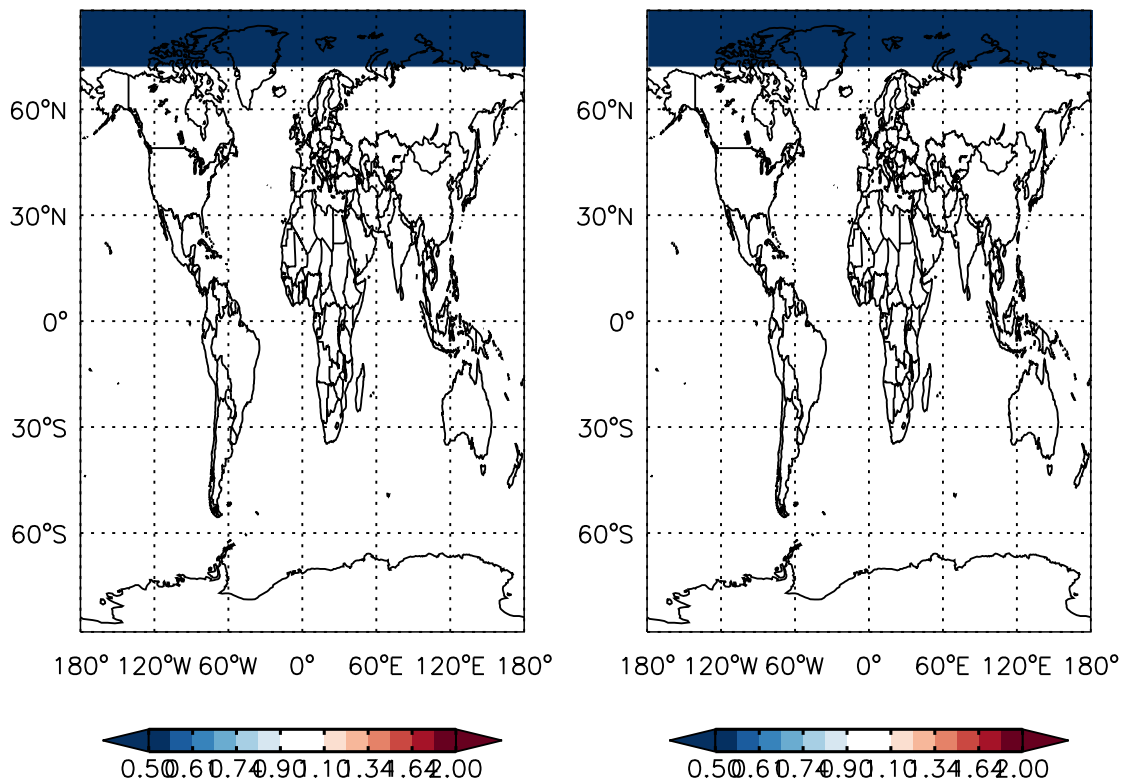
GEOS-Chem J-Values at surface and 500 hPa

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

JH2O2 - J-Value Ratio @ surface f dH2O2 - J-Value Ratio @ 500 hPa for Jan



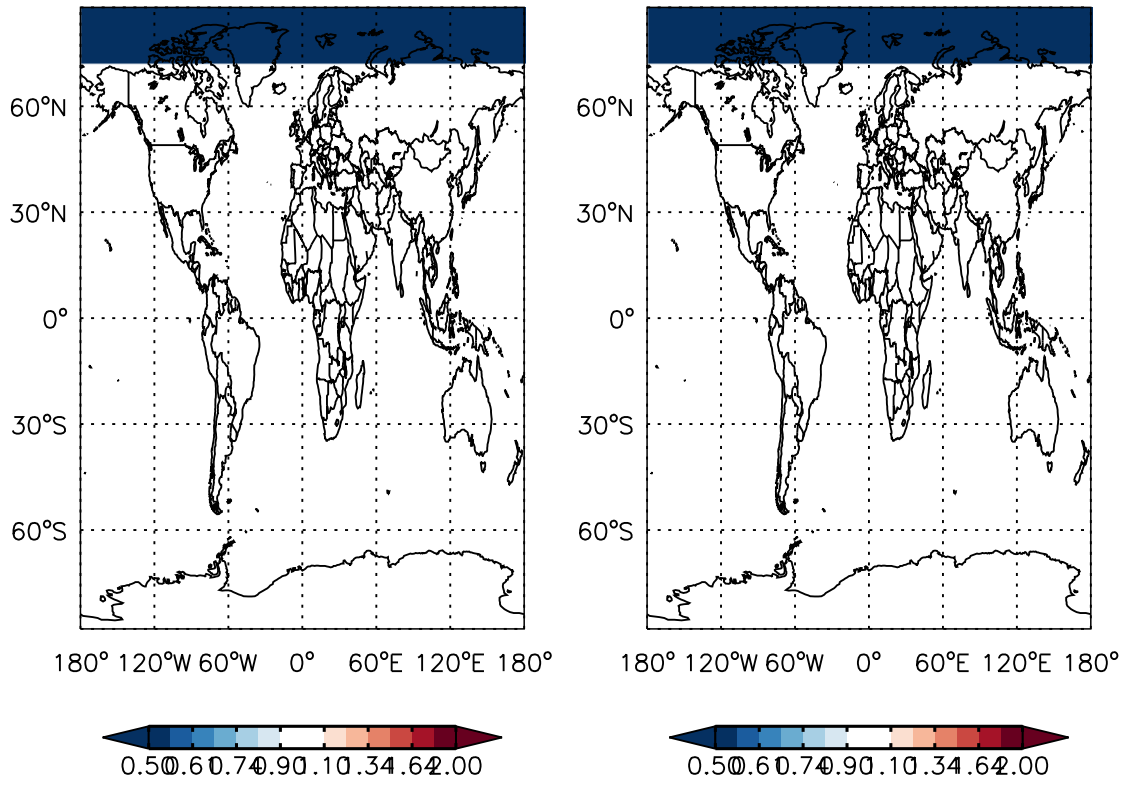
v11-01d-Run0 - v10-01-public-Run0 v11-01d-Run0 - v10-01-public-Run0
JH2O2 - J-Value Ratio @ surface f dH2O2 - J-Value Ratio @ 500 hPa for Jan



GEOS-Chem J-Values at surface and 500 hPa

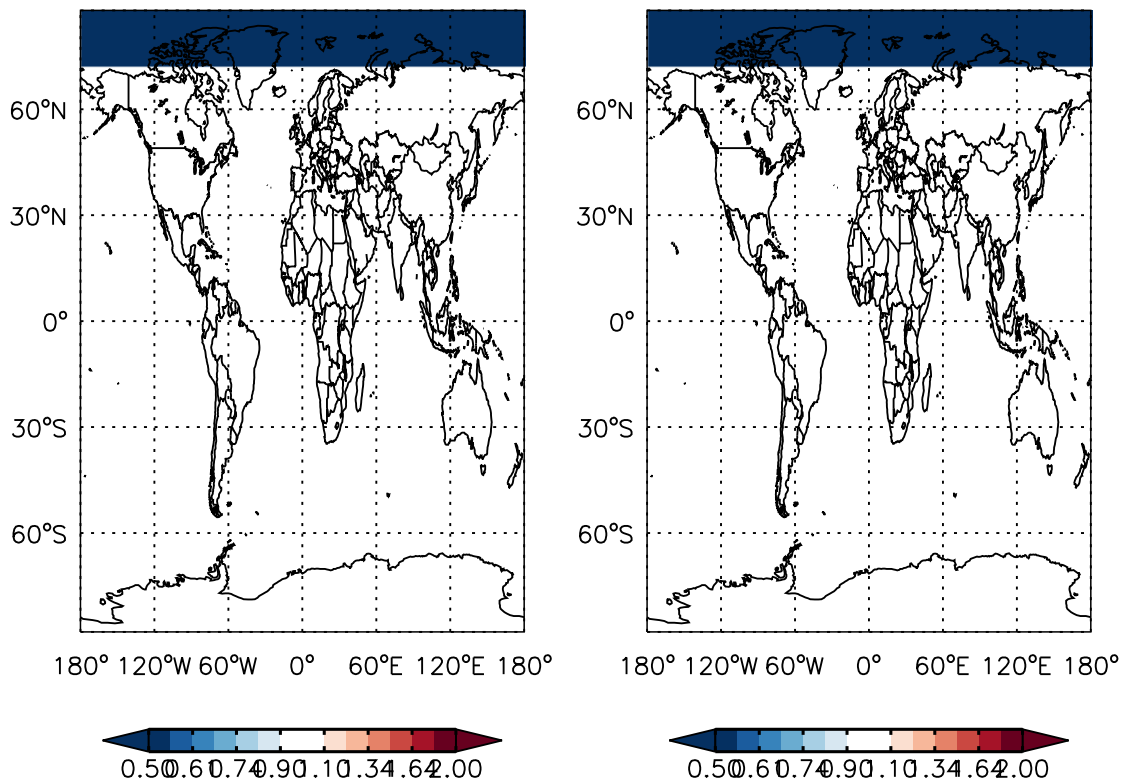
v11-01d-Run0 - v11-01b-Run0 v11-01d-Run0 - v11-01b-Run0

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



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

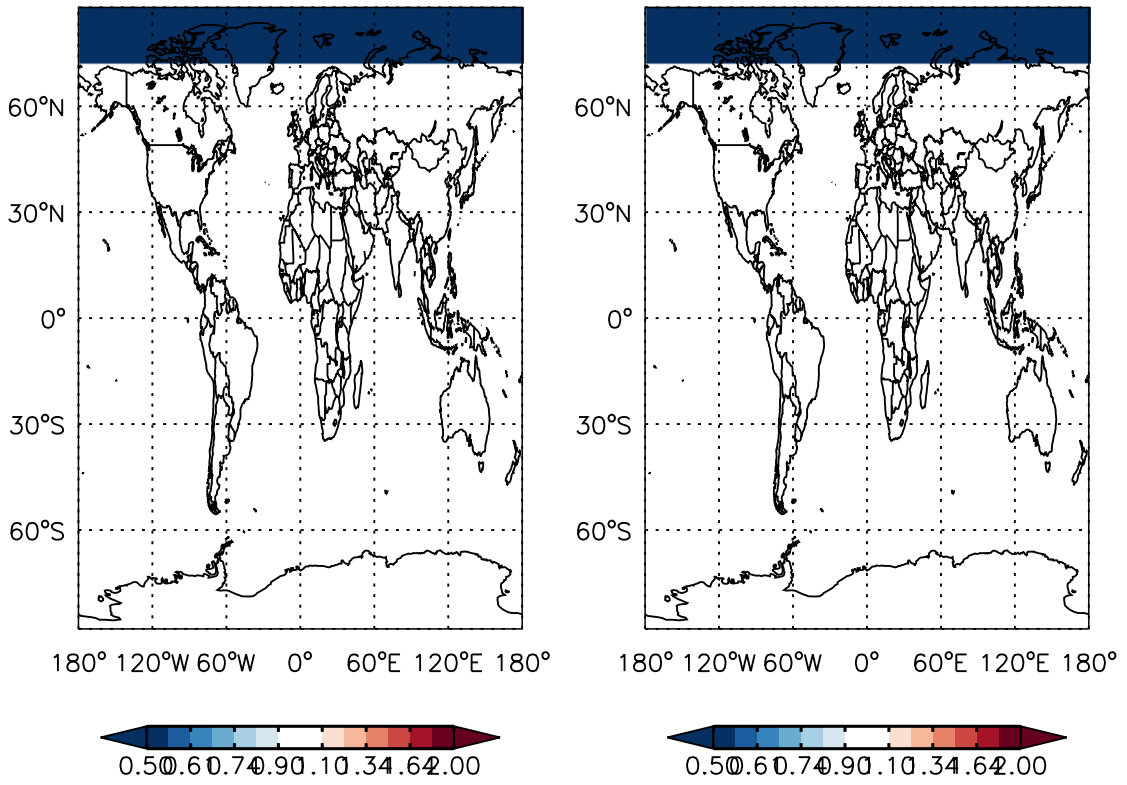
JACET - J-Value Ratio @ surface for JACET - J-Value Ratio @ 500 hPa for Jan



GEOS-Chem J-Values at surface and 500 hPa

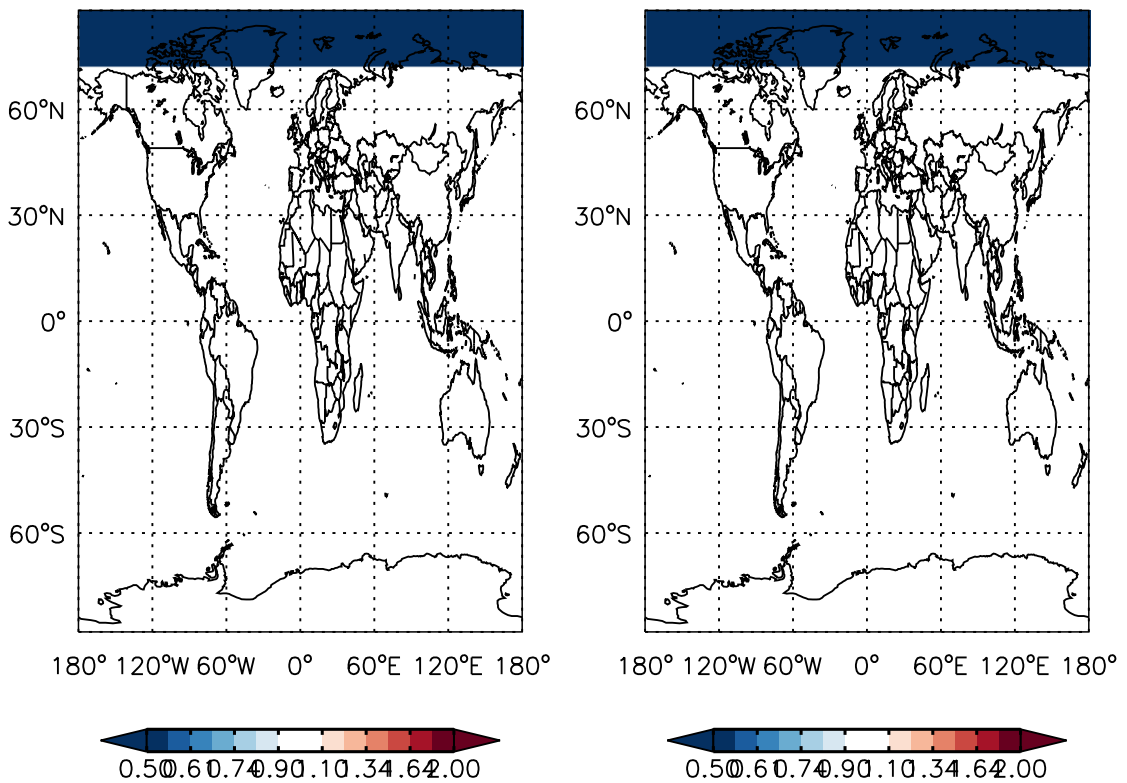
v11-01d-Run0 - v11-01b-Run0 v11-01d-Run0 - v11-01b-Run0

JALD2 - J-Value Ratio @ surface $\frac{v11-01d-Run0}{v11-01b-Run0}$ - J-Value Ratio @ 500 hPa for Jan



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

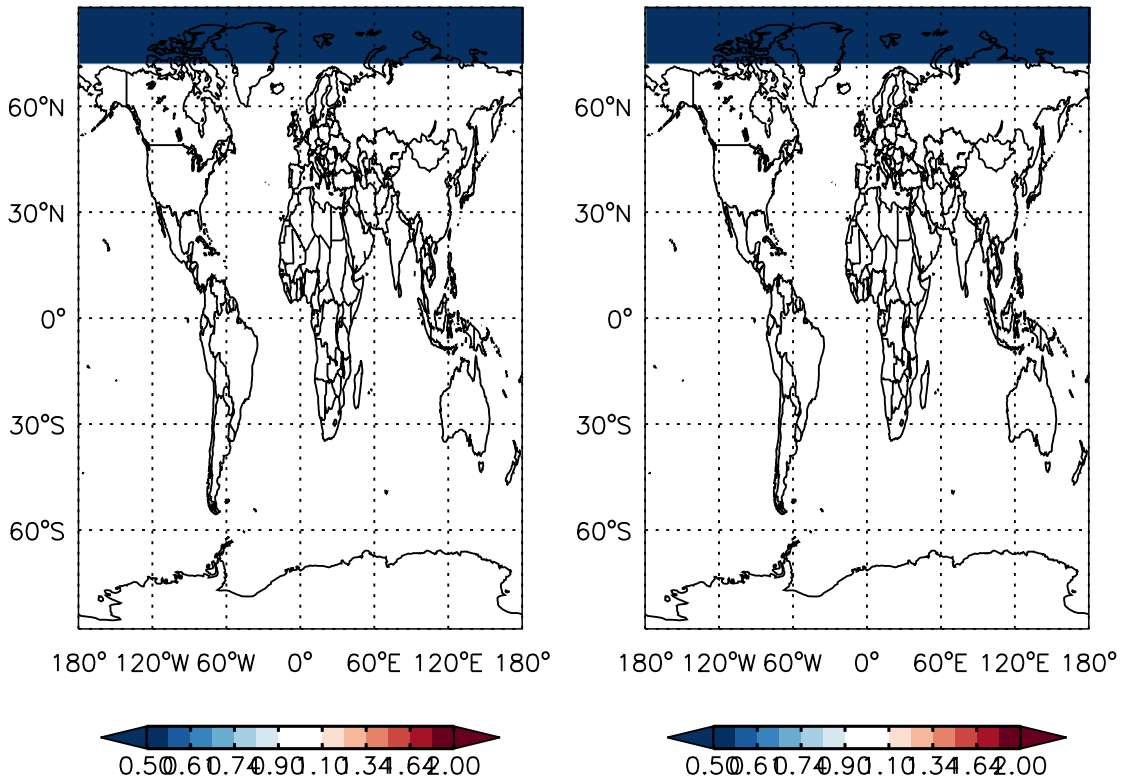
JALD2 - J-Value Ratio @ surface $\frac{v11-01d-Run0}{v10-01-public-Run0}$ - J-Value Ratio @ 500 hPa for Jan



GEOS-Chem J-Values at surface and 500 hPa

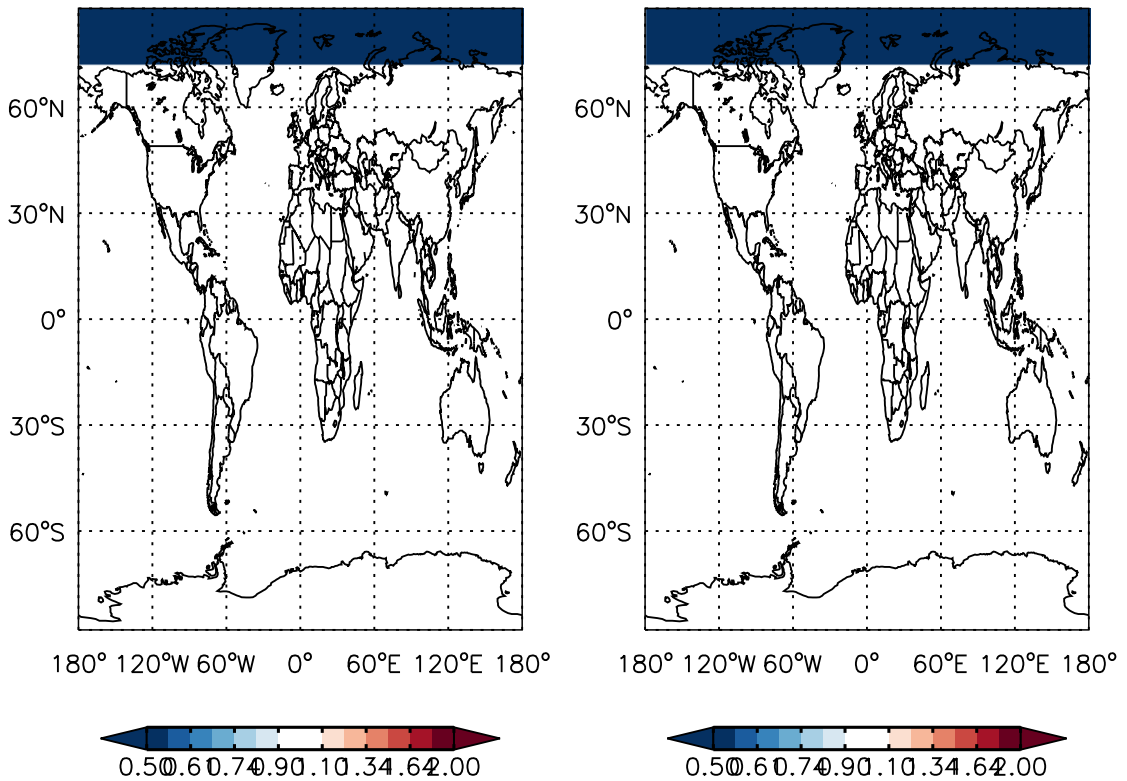
v11-01d-Run0 - v11-01b-Run0 v11-01d-Run0 - v11-01b-Run0

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



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

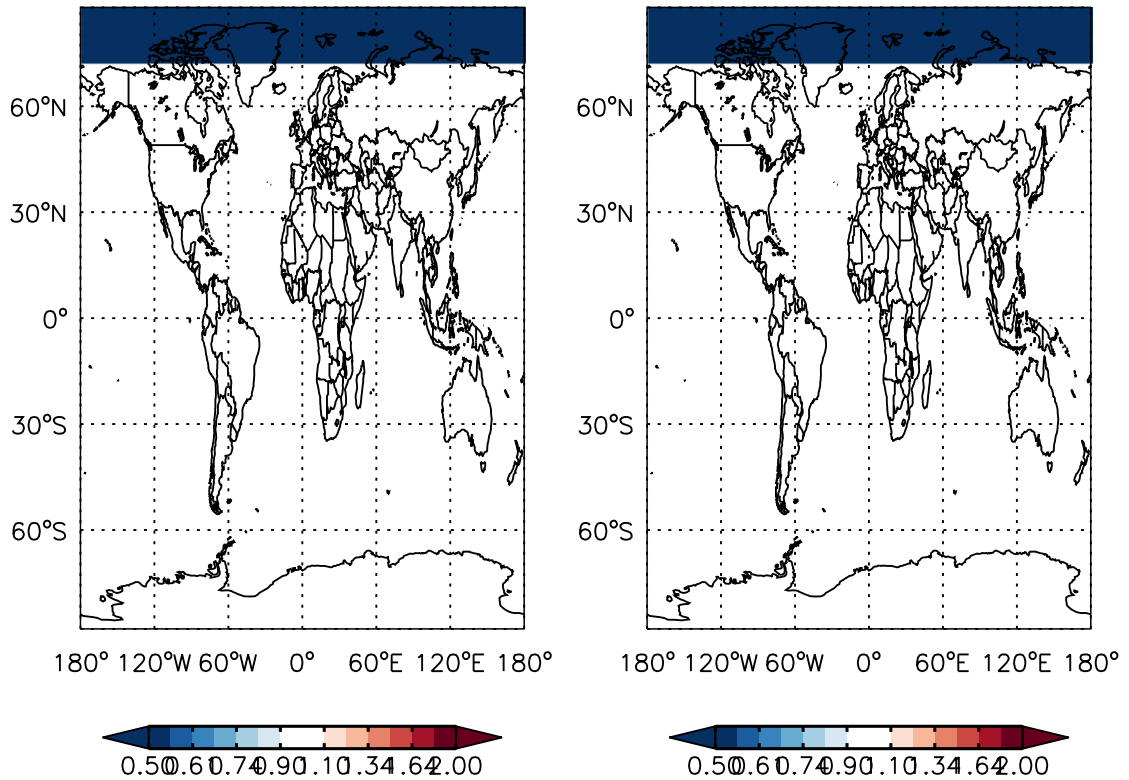
JMK - J-Value Ratio @ surface for JMK - J-Value Ratio @ 500 hPa for Jan



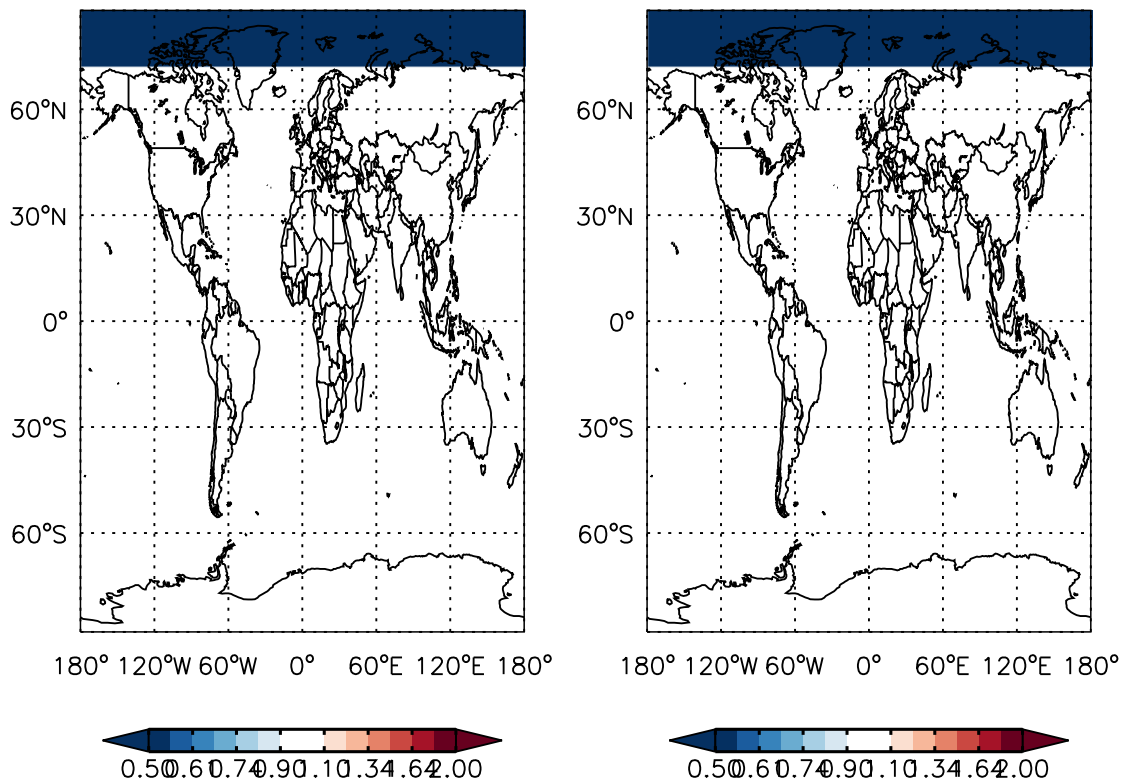
GEOS-Chem J-Values at surface and 500 hPa

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

JMACR - J-Value Ratio @ surface fMA6R - J-Value Ratio @ 500 hPa for Jan



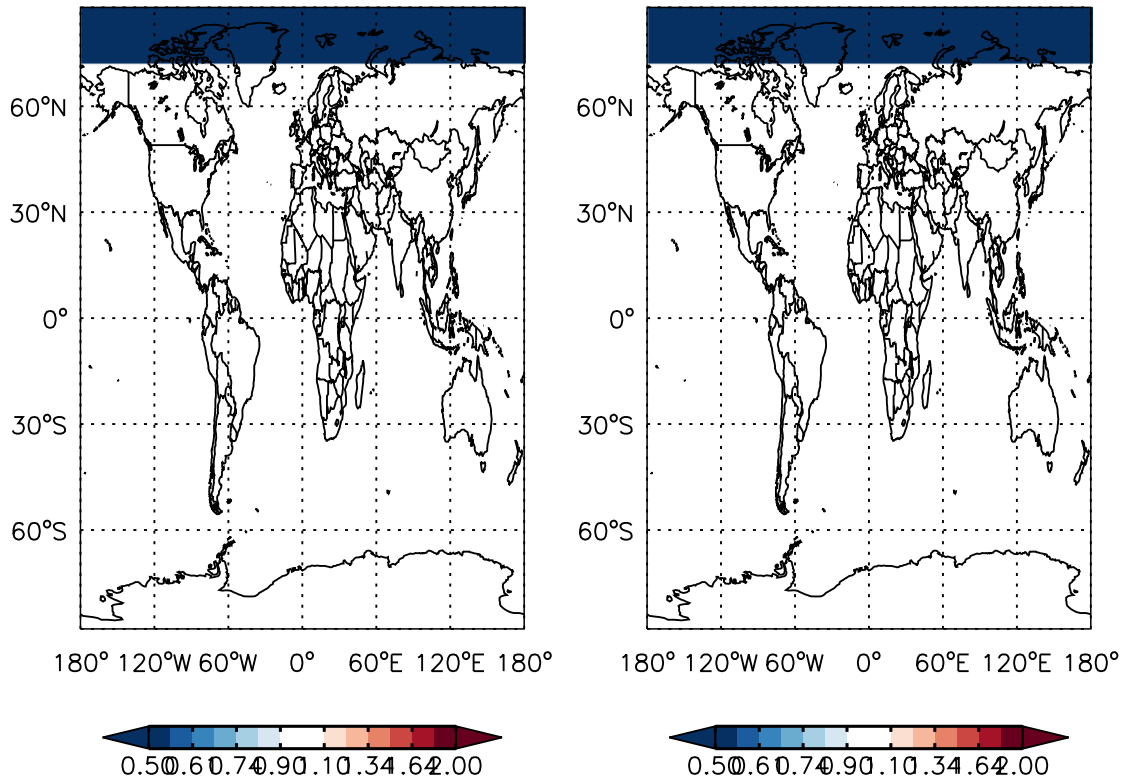
v11-01d-Run0 - v10-01-public-Run0 v11-01d-Run0 - v10-01-public-Run0
JMACR - J-Value Ratio @ surface fMA6R - J-Value Ratio @ 500 hPa for Jan



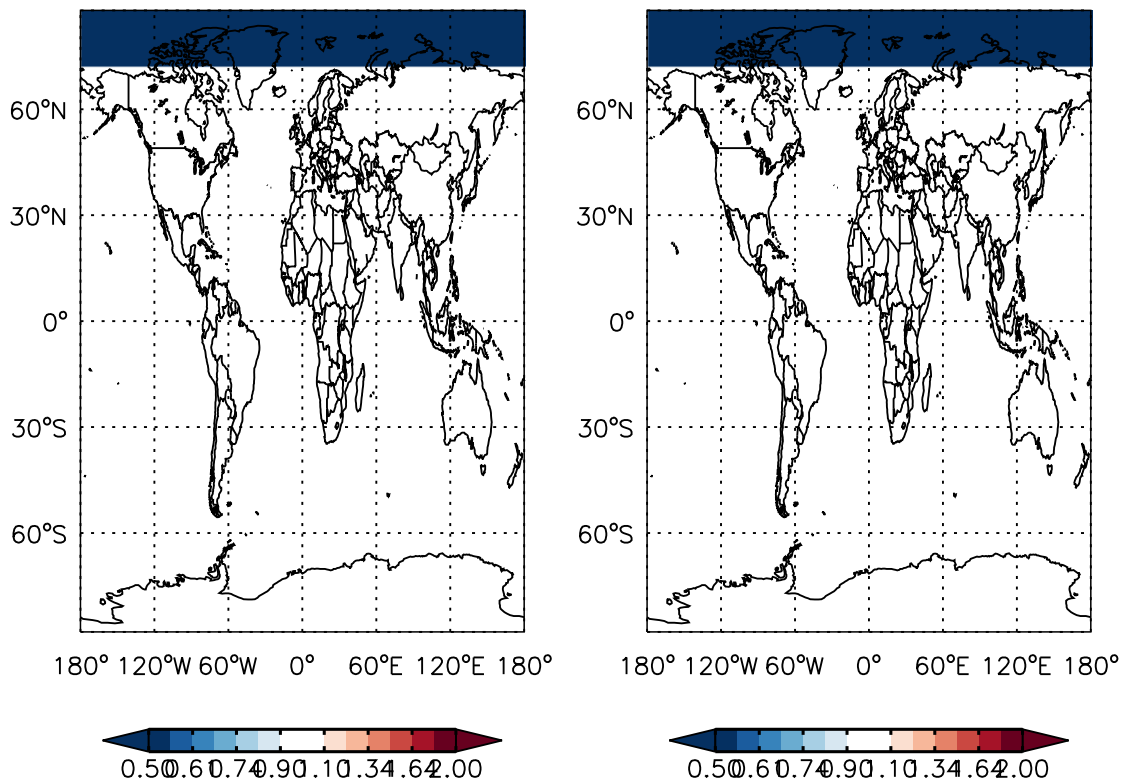
GEOS-Chem J-Values at surface and 500 hPa

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

JCH2O - J-Value Ratio @ surface fdCH2O - J-Value Ratio @ 500 hPa for Jan



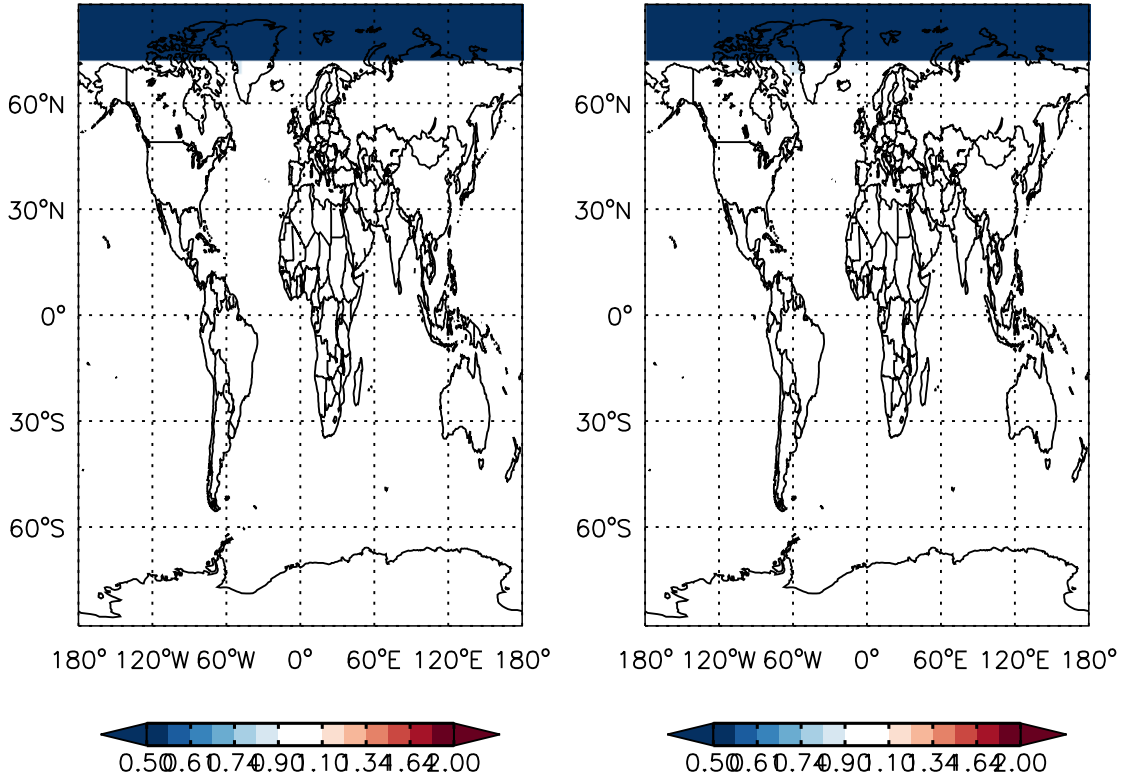
v11-01d-Run0 - v10-01-public-Run0 v11-01d-Run0 - v10-01-public-Run0
JCH2O - J-Value Ratio @ surface fdCH2O - J-Value Ratio @ 500 hPa for Jan



GEOS-Chem J-Values at surface and 500 hPa

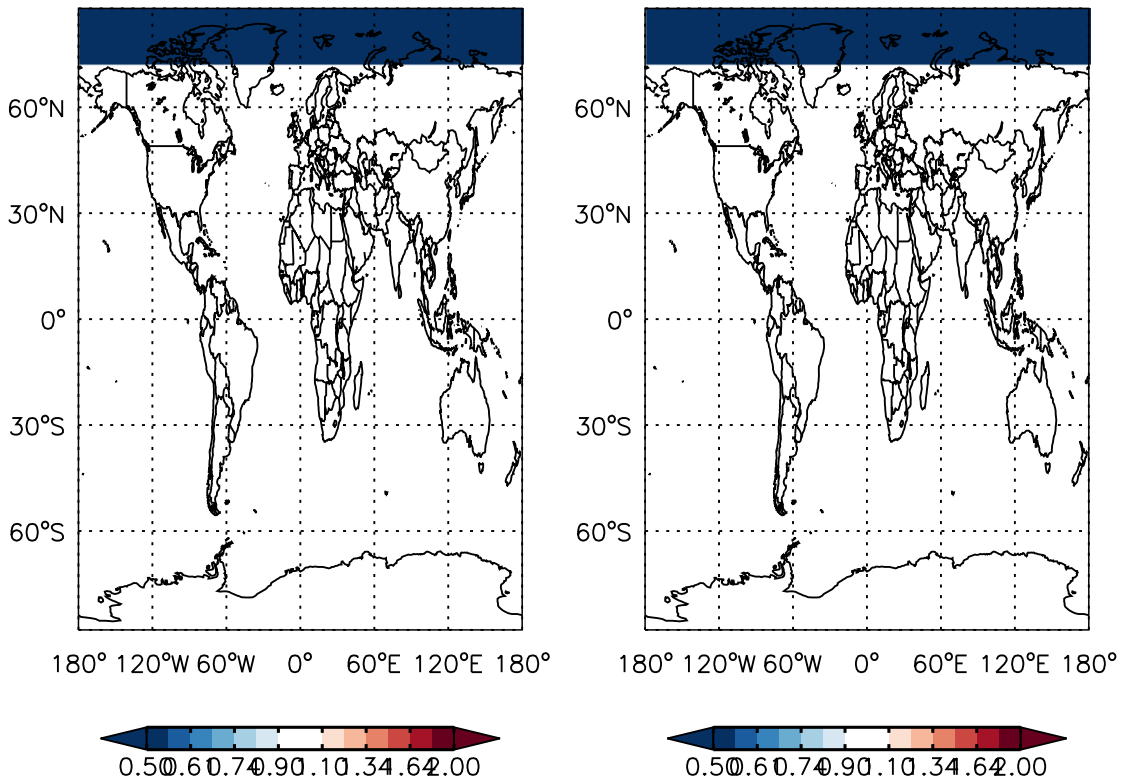
v11-01d-Run0 - v11-01b-Run0 v11-01d-Run0 - v11-01b-Run0

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



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

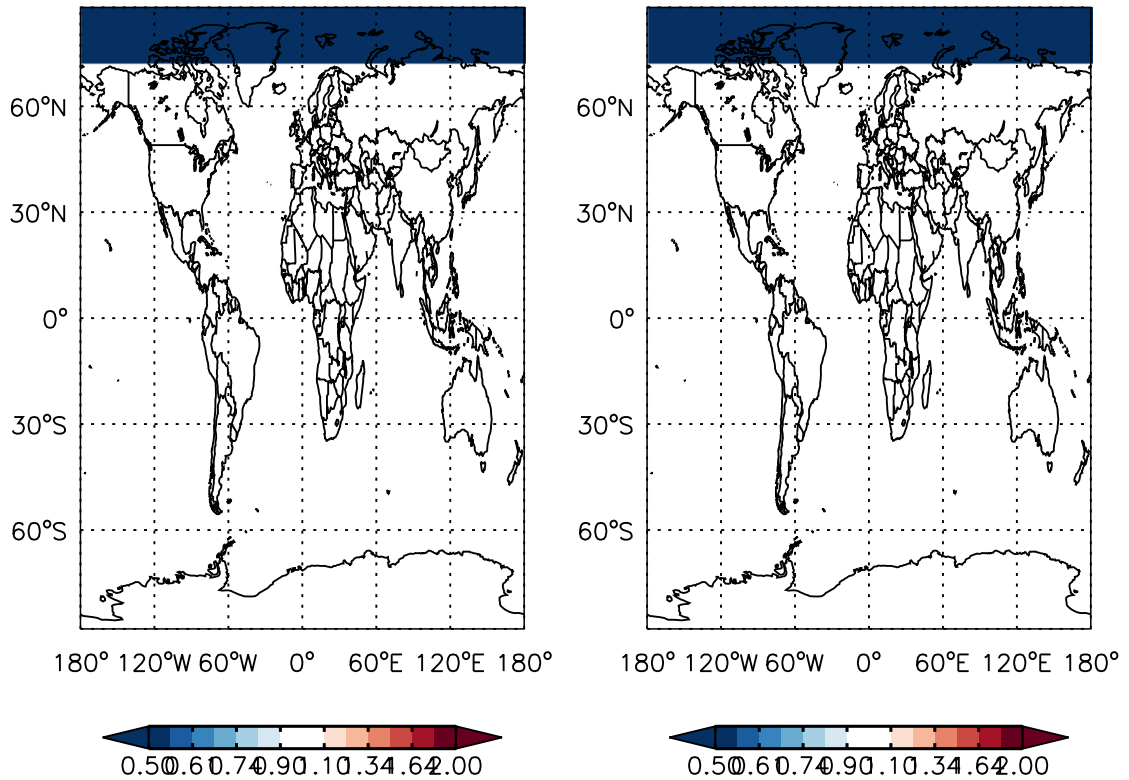
JBr2 - J-Value Ratio @ surface for JBr2 JBr2 - J-Value Ratio @ 500 hPa for Jan



GEOS-Chem J-Values at surface and 500 hPa

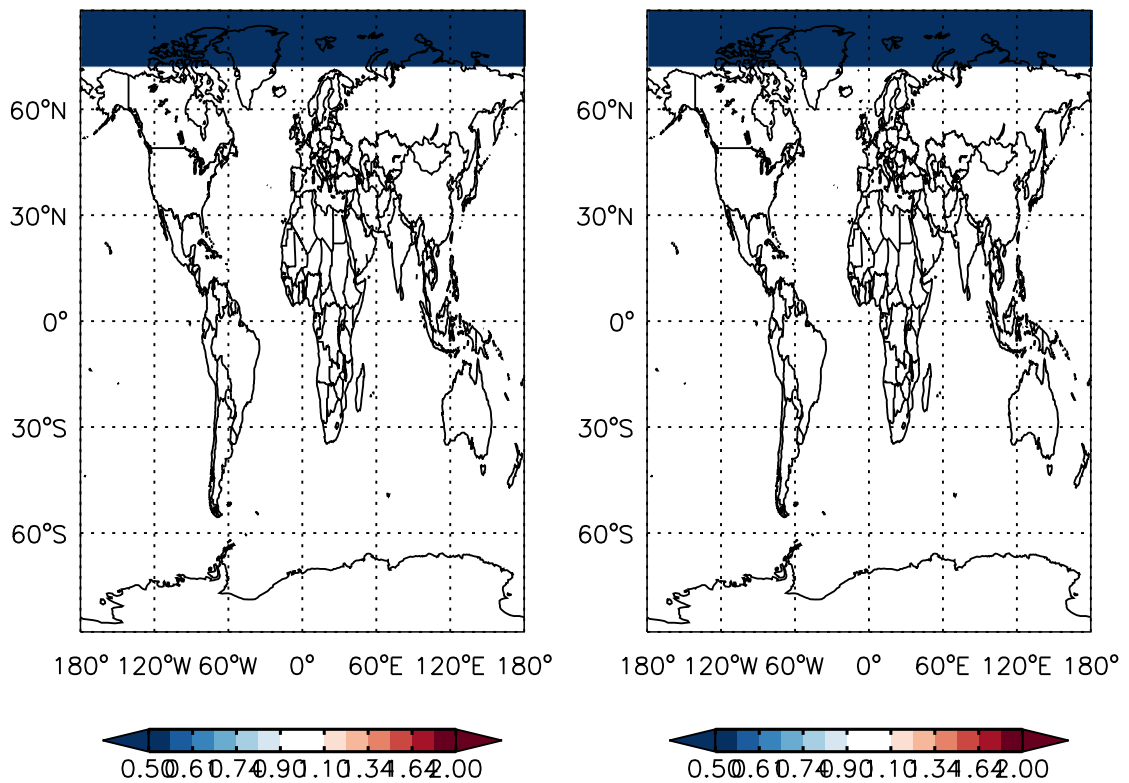
v11-01d-Run0 - v11-01b-Run0 v11-01d-Run0 - v11-01b-Run0

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



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

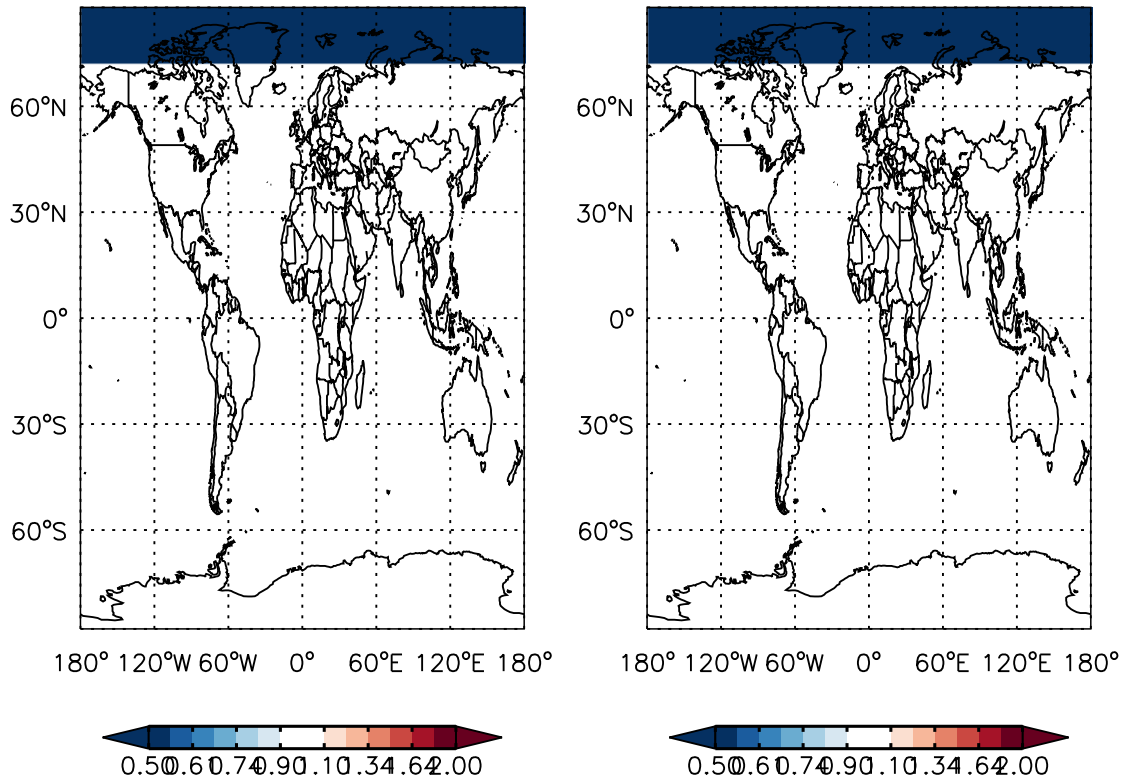
JBr0 - J-Value Ratio @ surface for JBr0 - J-Value Ratio @ 500 hPa for Jan



GEOS-Chem J-Values at surface and 500 hPa

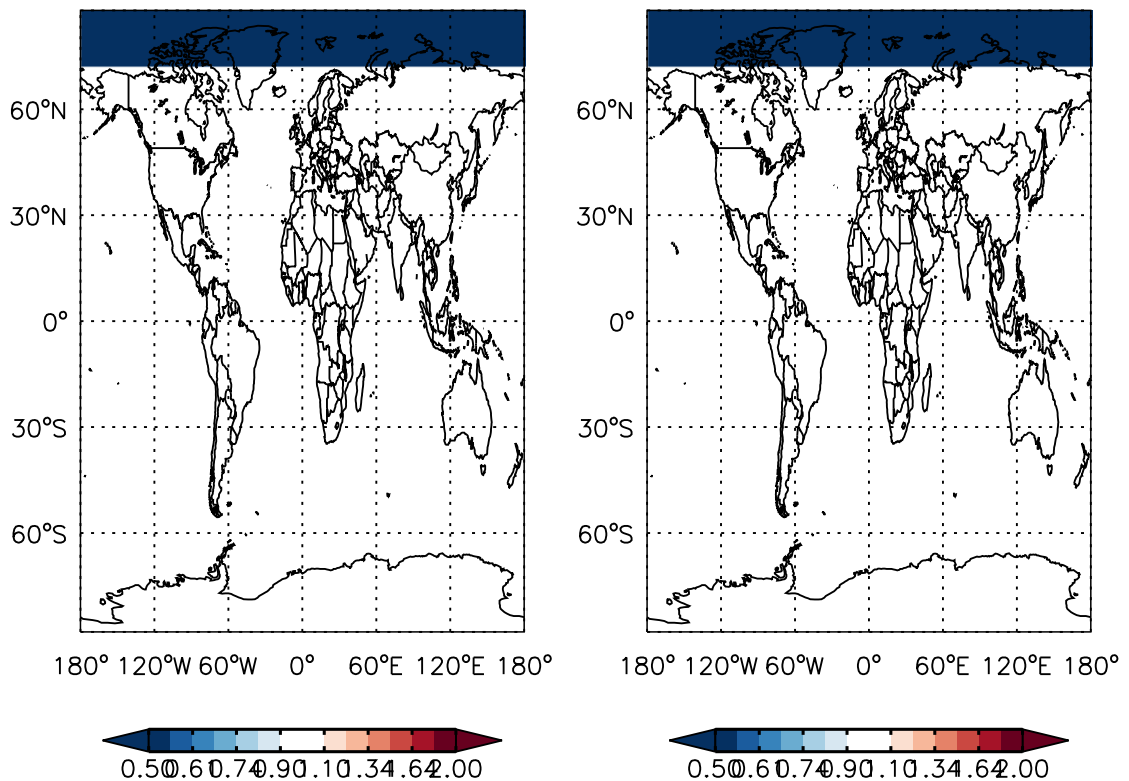
v11-01d-Run0 - v11-01b-Run0 v11-01d-Run0 - v11-01b-Run0

JHOBr - J-Value Ratio @ surface for HOBr - J-Value Ratio @ 500 hPa for Jan



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

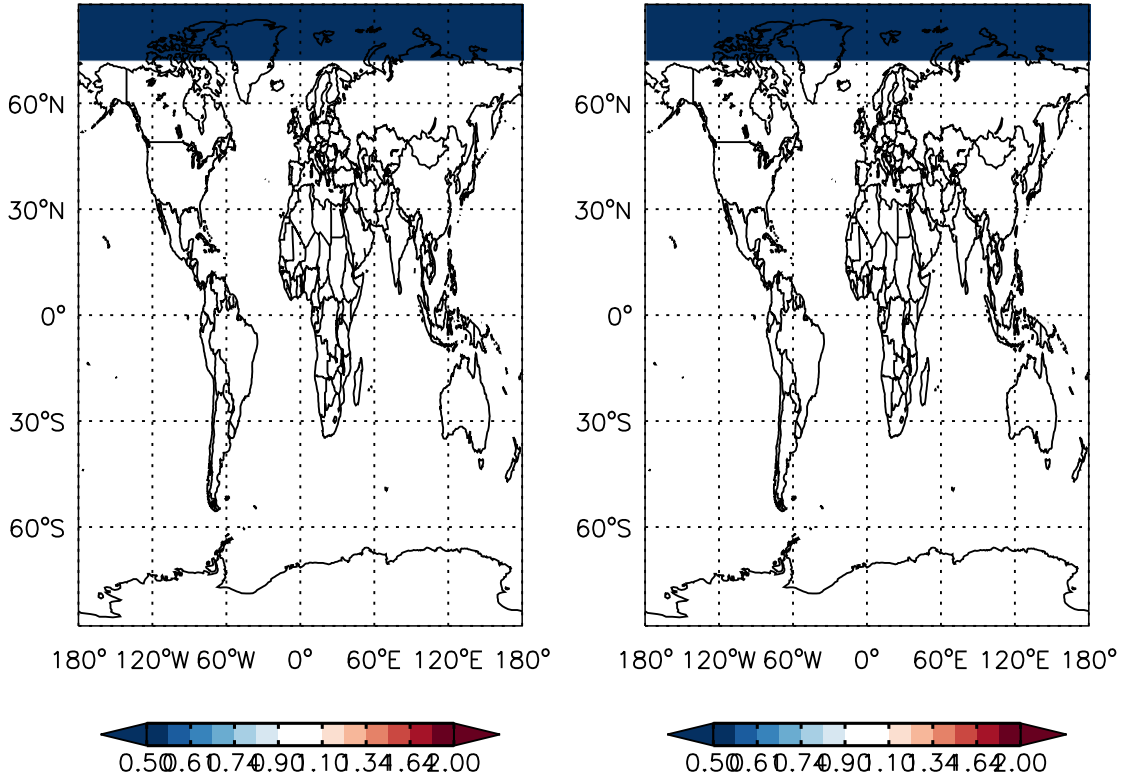
JHOBr - J-Value Ratio @ surface for HOBr - J-Value Ratio @ 500 hPa for Jan



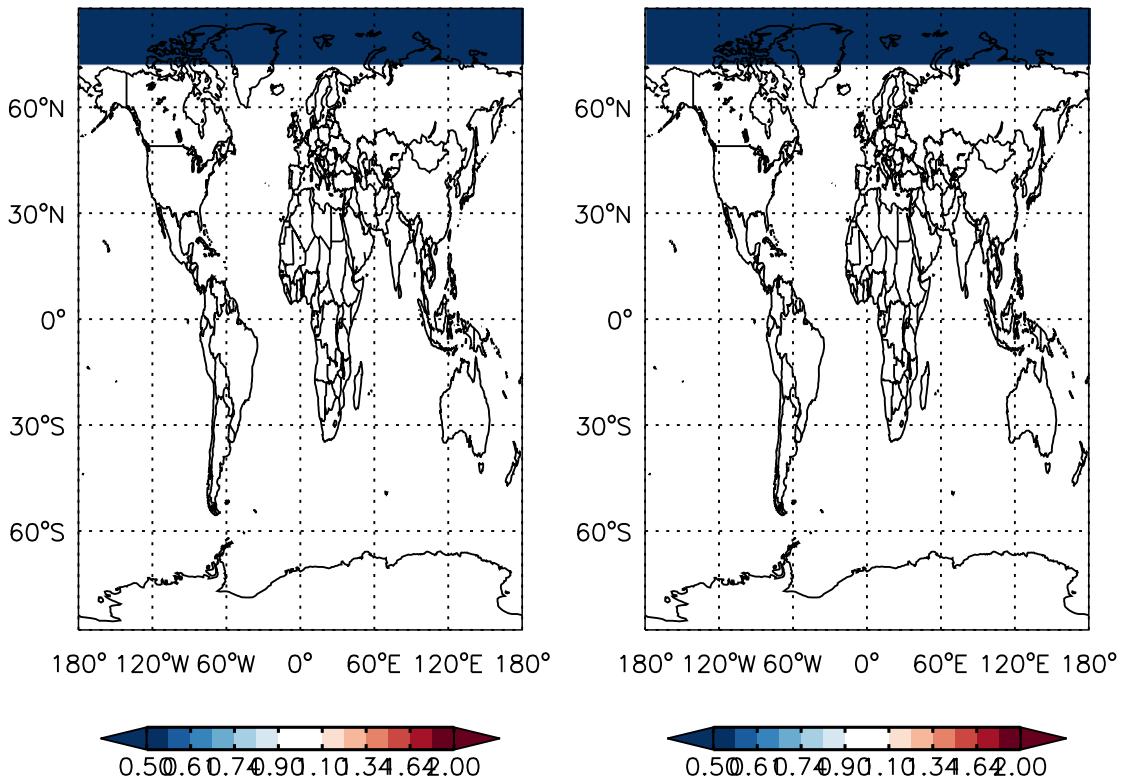
GEOS-Chem J-Values at surface and 500 hPa

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

JBrN02 - J-Value Ratio @ surface for Jan JBrN02 - J-Value Ratio @ 500 hPa for Jan



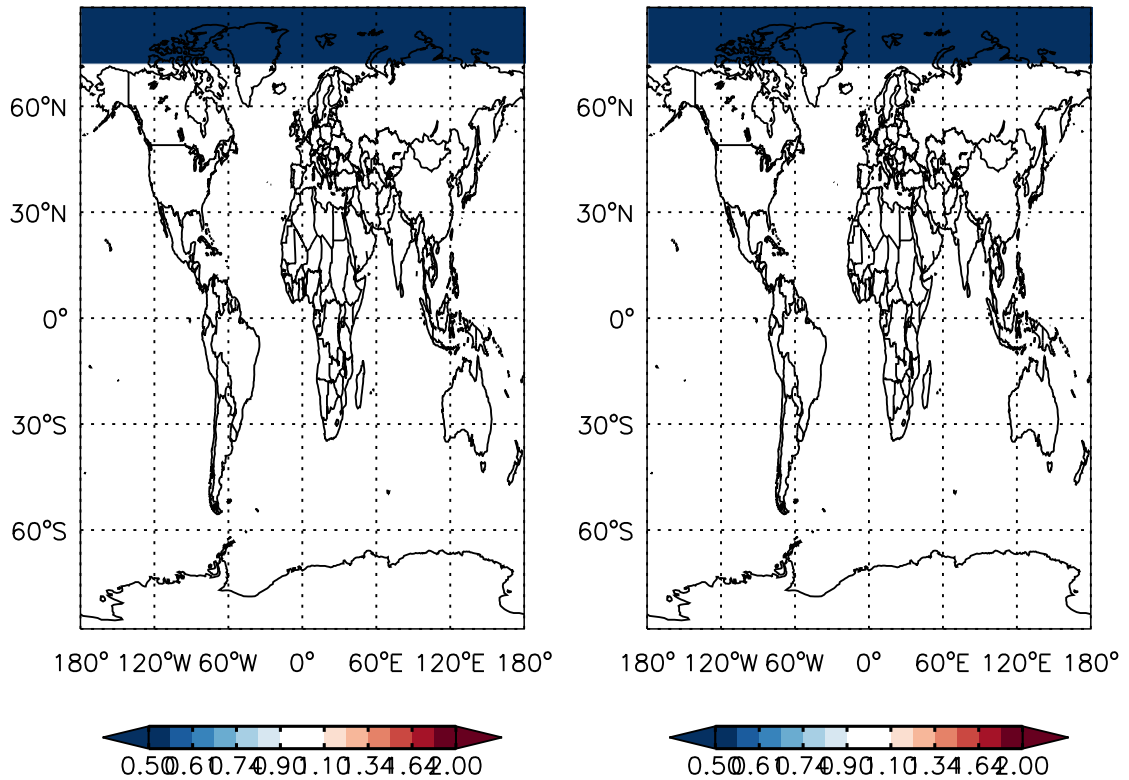
v11-01d-Run0 - v10-01-public-Run0 v11-01d-Run0 - v10-01-public-Run0
JBrN02 - J-Value Ratio @ surface for Jan JBrN02 - J-Value Ratio @ 500 hPa for Jan



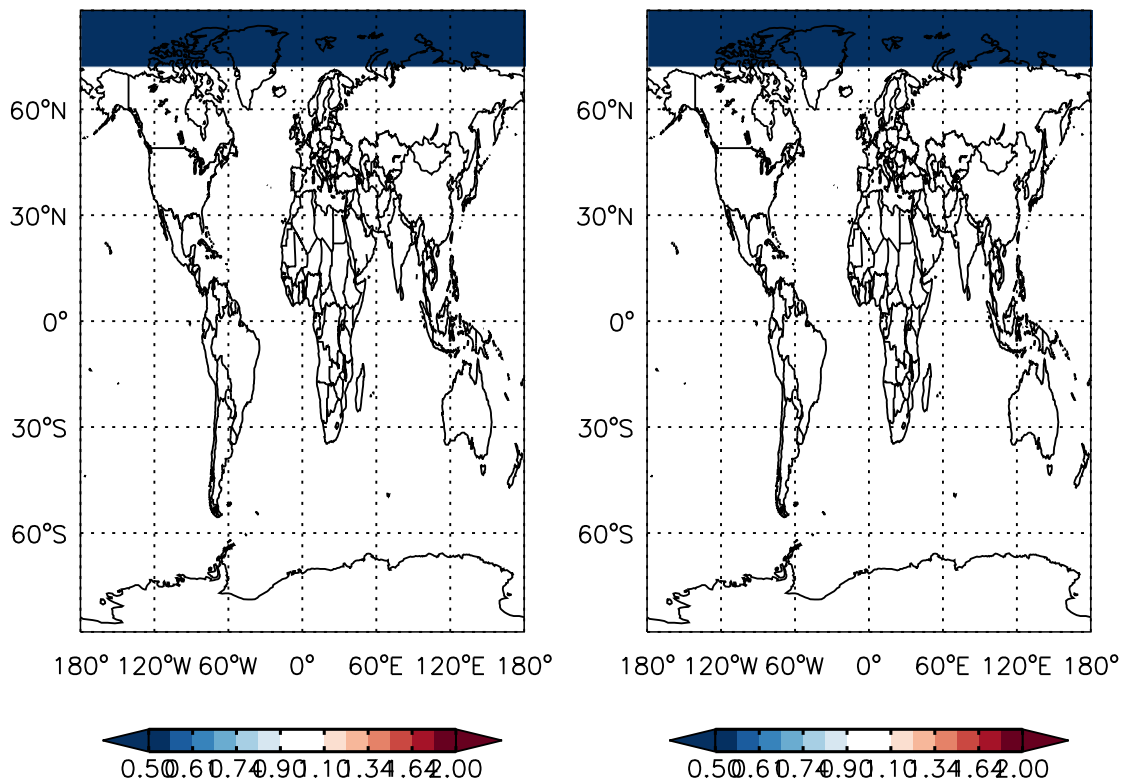
GEOS-Chem J-Values at surface and 500 hPa

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

JBrN03 - J-Value Ratio @ surface for N03 JBrN03 - J-Value Ratio @ 500 hPa for Jan



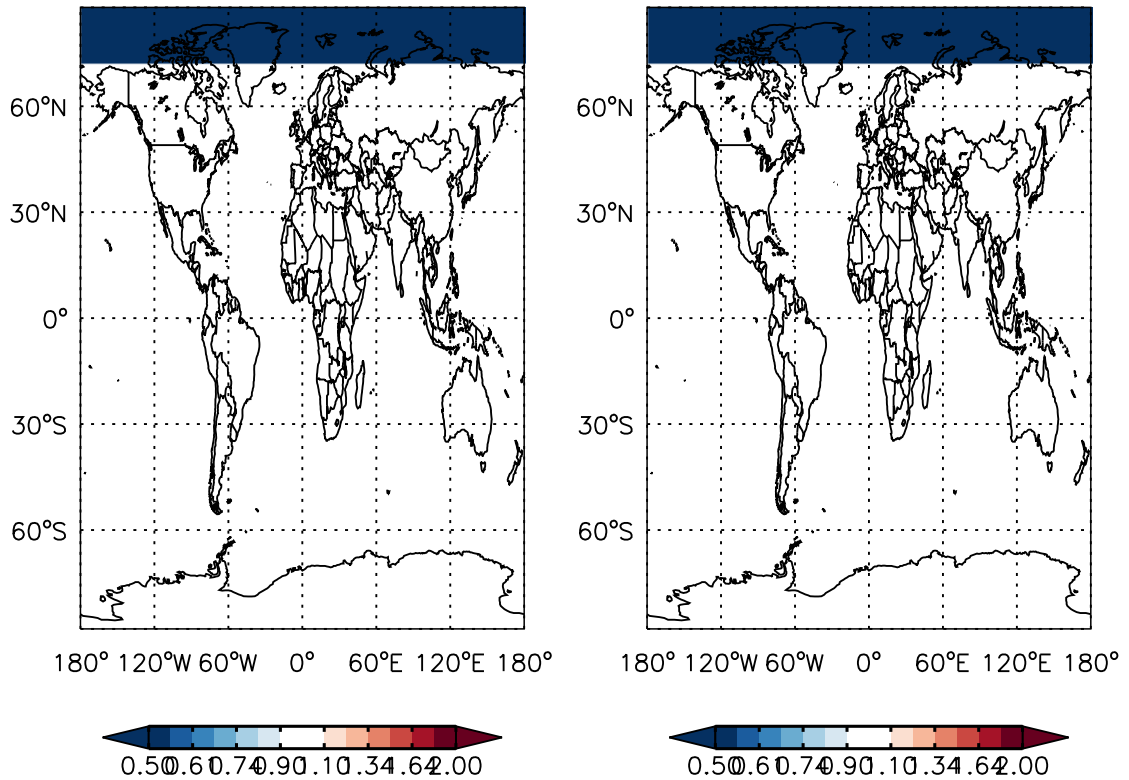
v11-01d-Run0 - v10-01-public-Run0 v11-01d-Run0 - v10-01-public-Run0
JBrN03 - J-Value Ratio @ surface for N03 JBrN03 - J-Value Ratio @ 500 hPa for Jan



GEOS-Chem J-Values at surface and 500 hPa

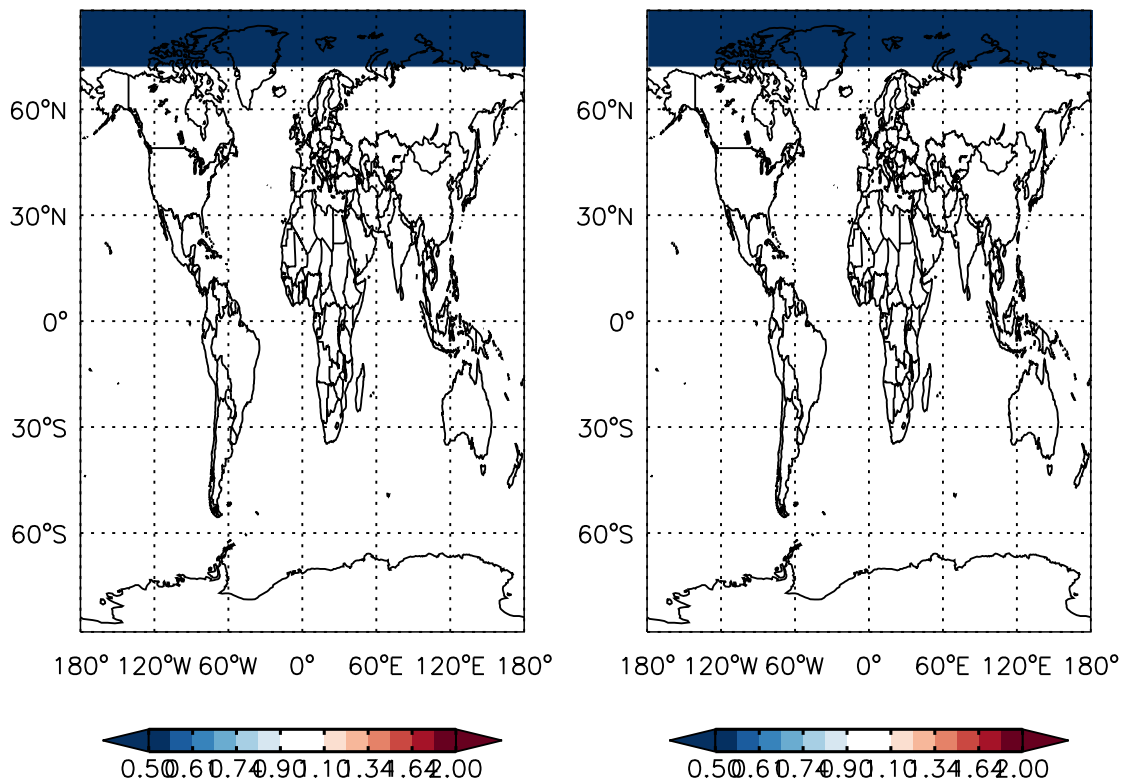
v11-01d-Run0 - v11-01b-Run0 v11-01d-Run0 - v11-01b-Run0

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



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

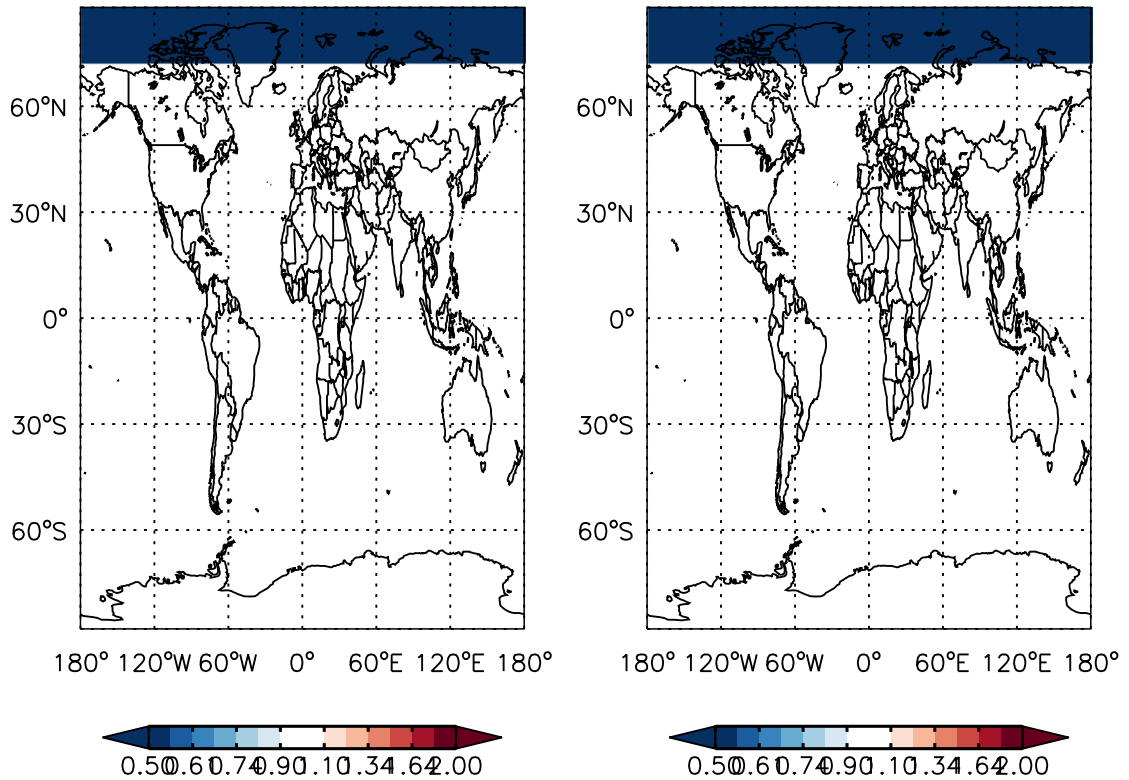
JCHBr3 - J-Value Ratio @ surface to CHBr3 - J-Value Ratio @ 500 hPa for Jan



GEOS-Chem J-Values at surface and 500 hPa

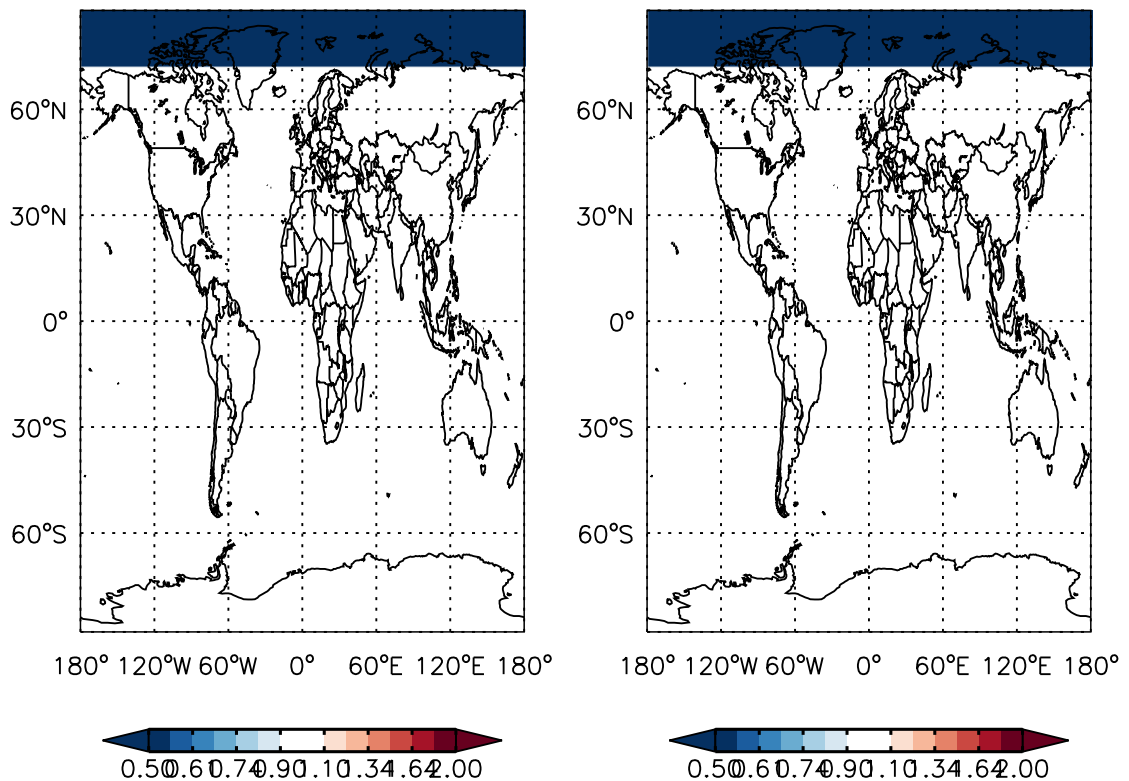
v11-01d-Run0 - v11-01b-Run0 v11-01d-Run0 - v11-01b-Run0

JHAC - J-Value Ratio @ surface for JJA6 - J-Value Ratio @ 500 hPa for Jan



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

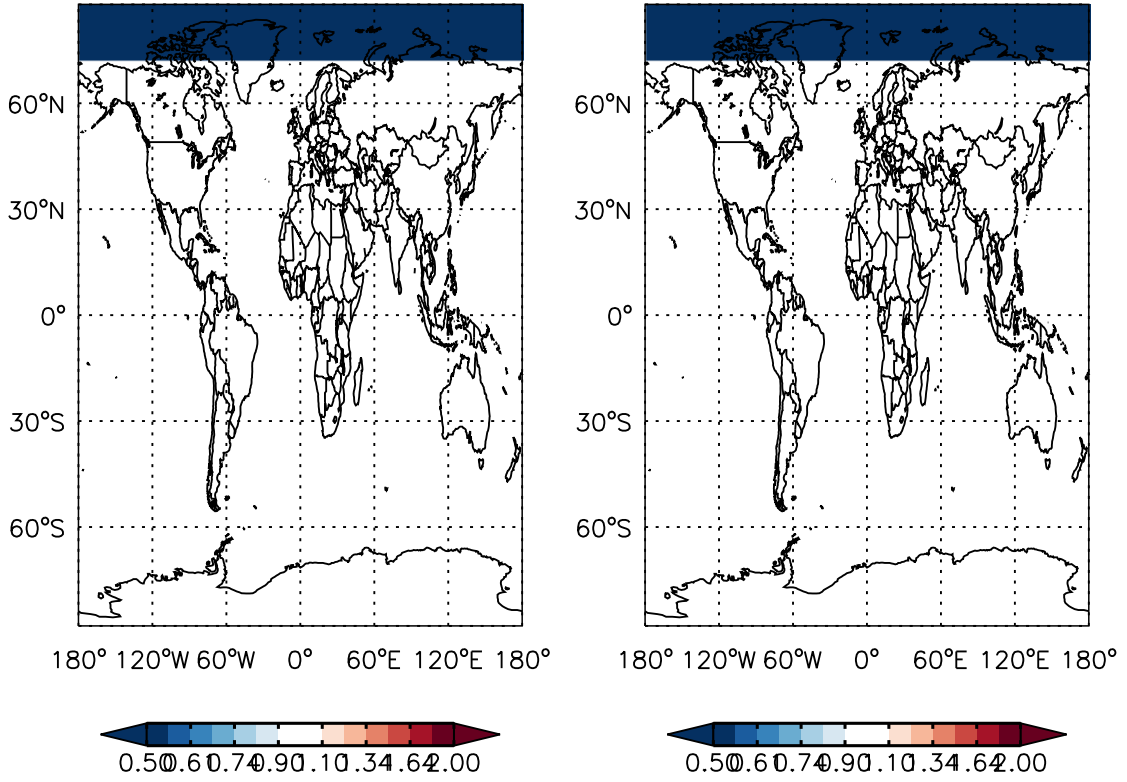
JHAC - J-Value Ratio @ surface for JJA6 - J-Value Ratio @ 500 hPa for Jan



GEOS-Chem J-Values at surface and 500 hPa

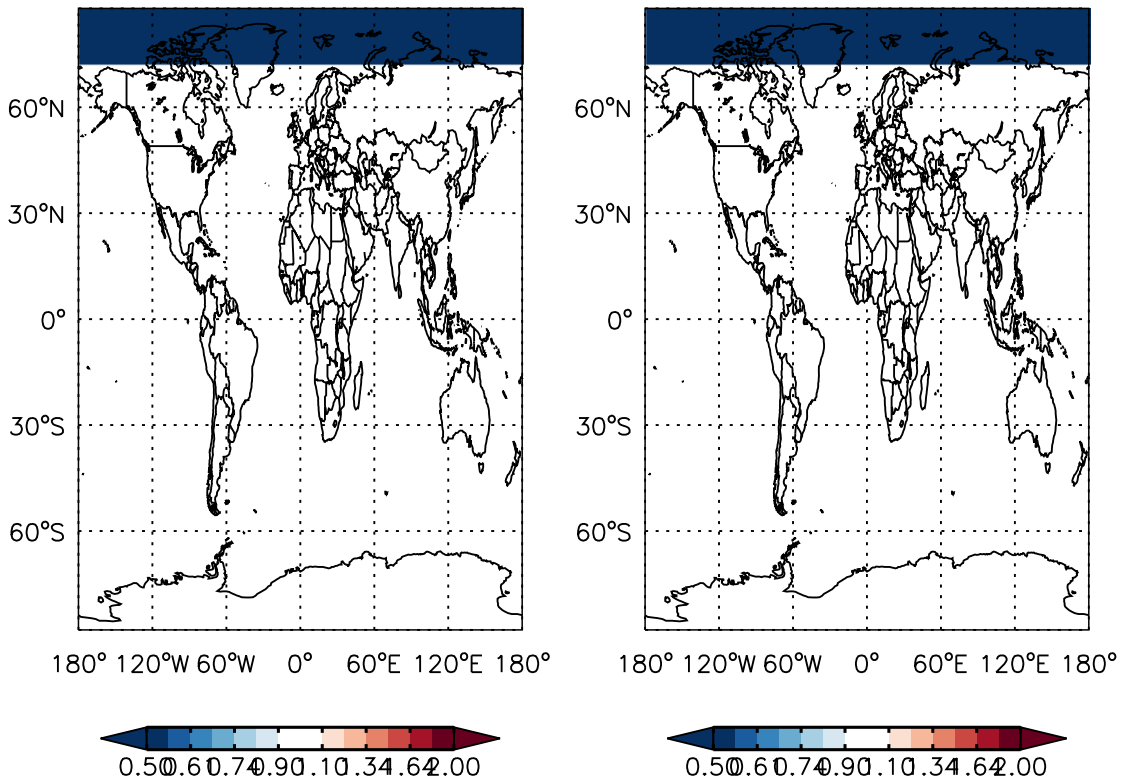
v11-01d-Run0 - v11-01b-Run0 v11-01d-Run0 - v11-01b-Run0

JGLYC - J-Value Ratio @ surface f@GLYC - J-Value Ratio @ 500 hPa for Jan



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

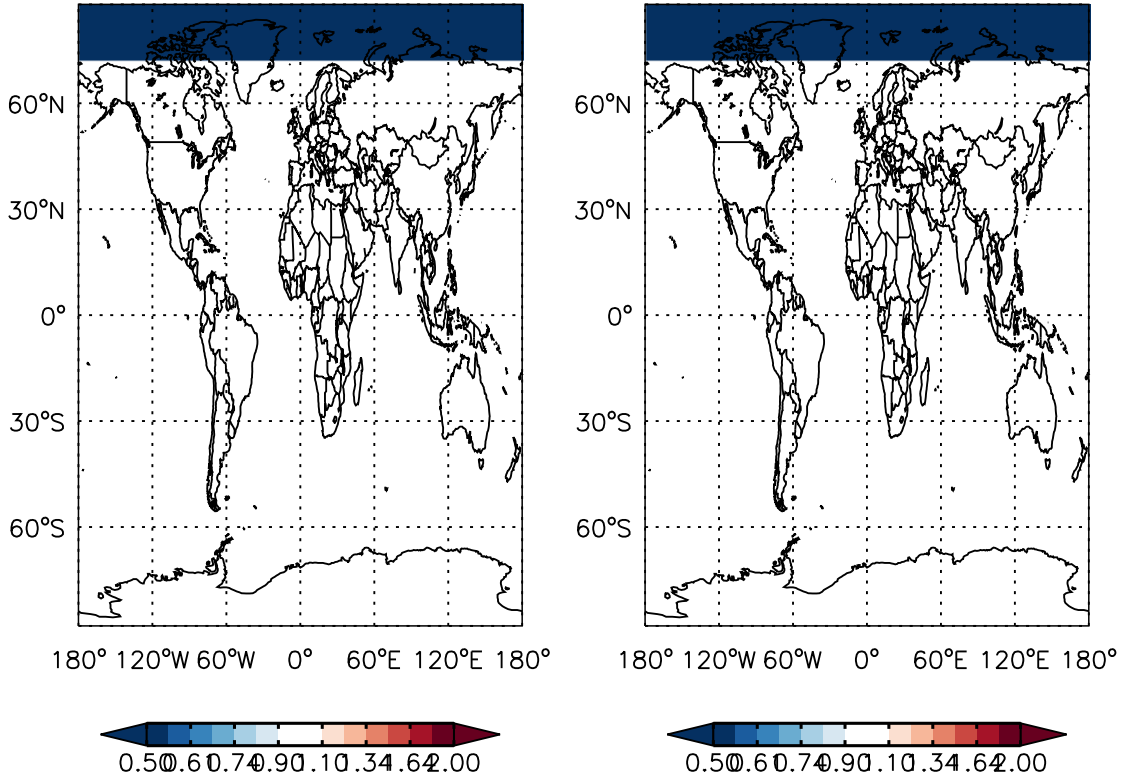
JGLYC - J-Value Ratio @ surface f@GLYC - J-Value Ratio @ 500 hPa for Jan



GEOS-Chem J-Values at surface and 500 hPa

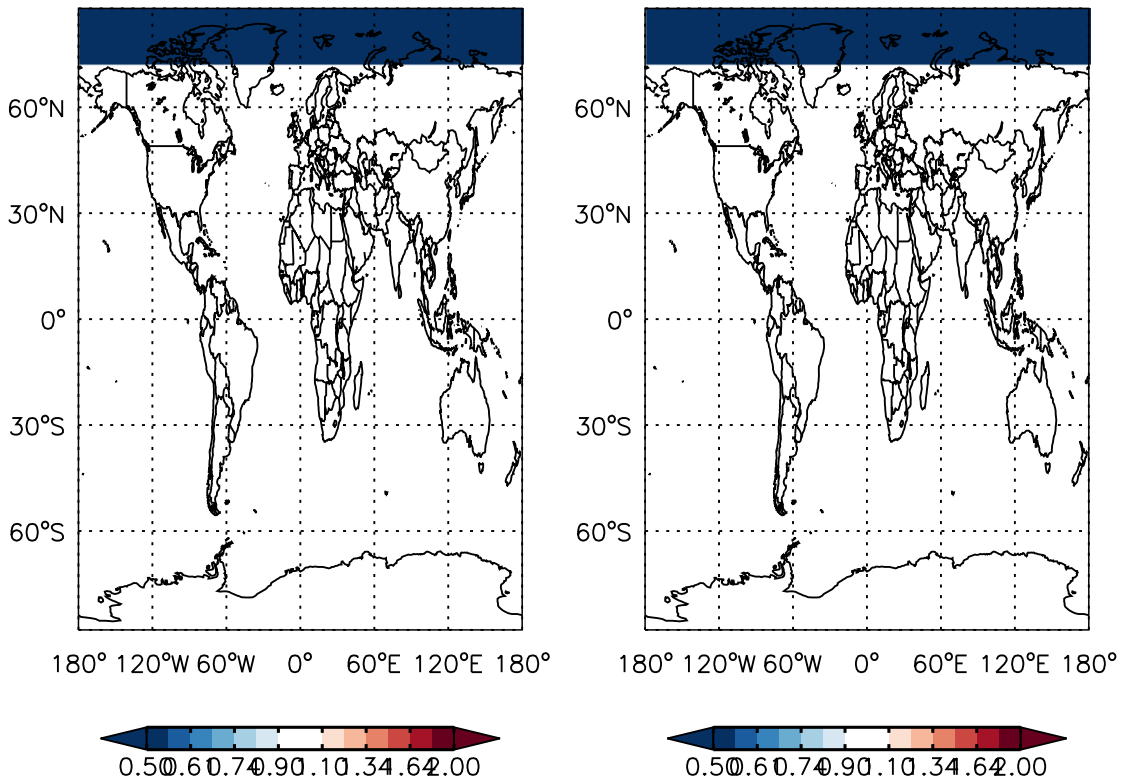
v11-01d-Run0 - v11-01b-Run0 v11-01d-Run0 - v11-01b-Run0

JNO2 - J-Value Ratio @ surface for JN02 - J-Value Ratio @ 500 hPa for Jan



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

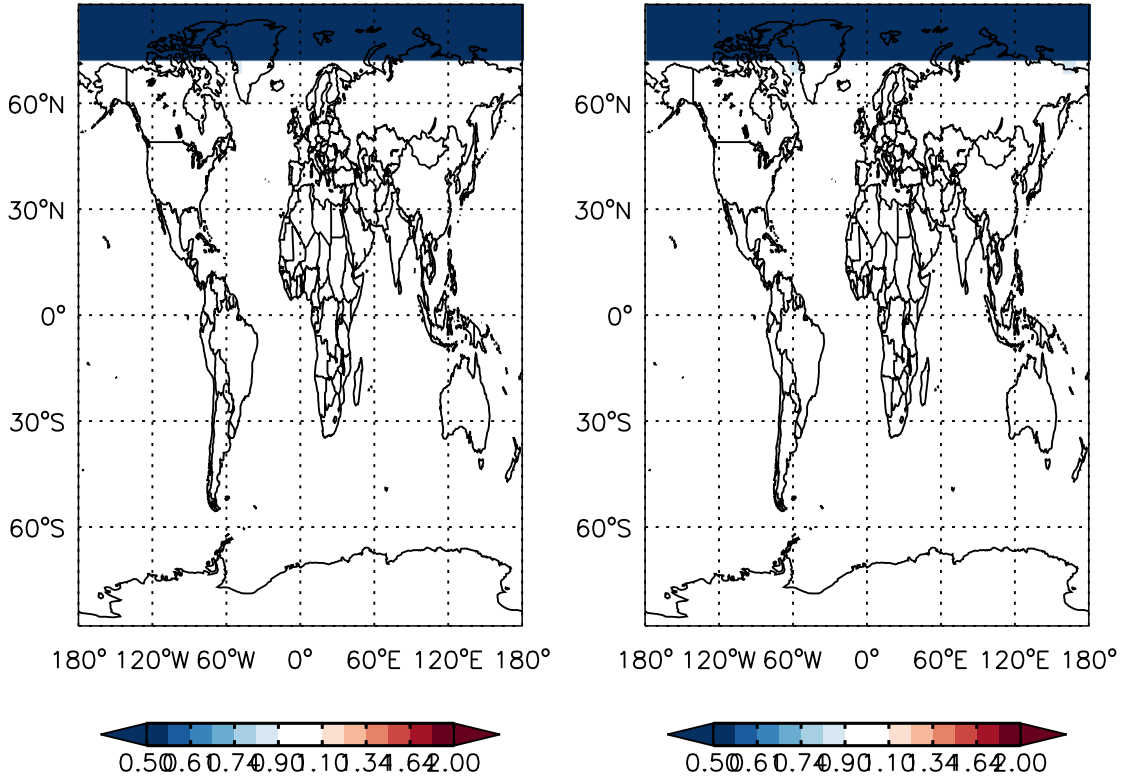
JNO2 - J-Value Ratio @ surface for JN02 - J-Value Ratio @ 500 hPa for Jan



GEOS-Chem J-Values at surface and 500 hPa

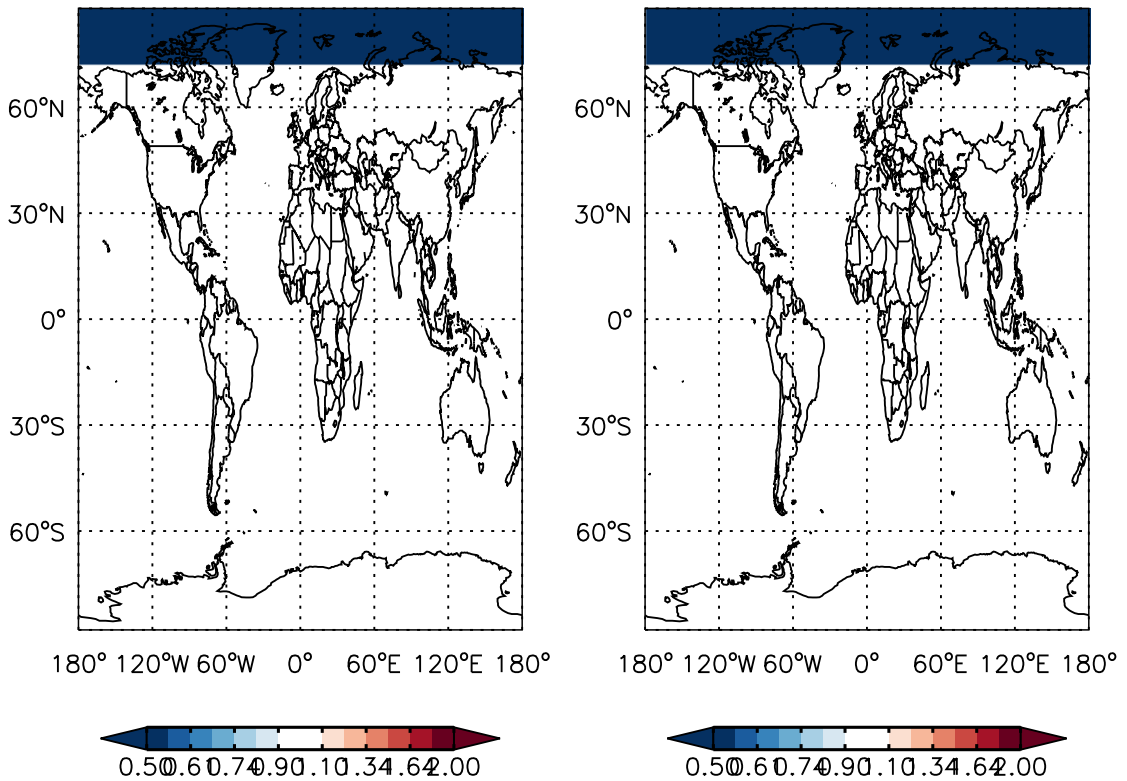
v11-01d-Run0 - v11-01b-Run0 v11-01d-Run0 - v11-01b-Run0

JN03 - J-Value Ratio @ surface for JN03 - J-Value Ratio @ 500 hPa for Jan



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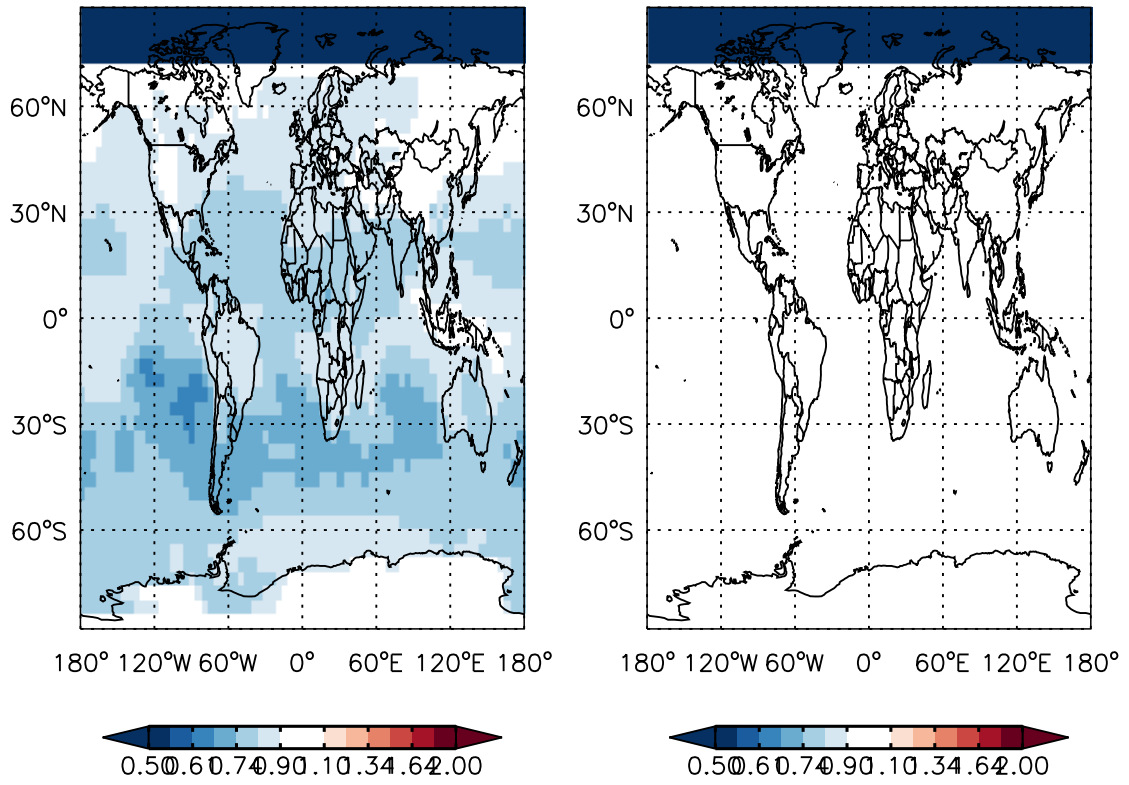
JN03 - J-Value Ratio @ surface for JN03 - J-Value Ratio @ 500 hPa for Jan



GEOS-Chem J-Values at surface and 500 hPa

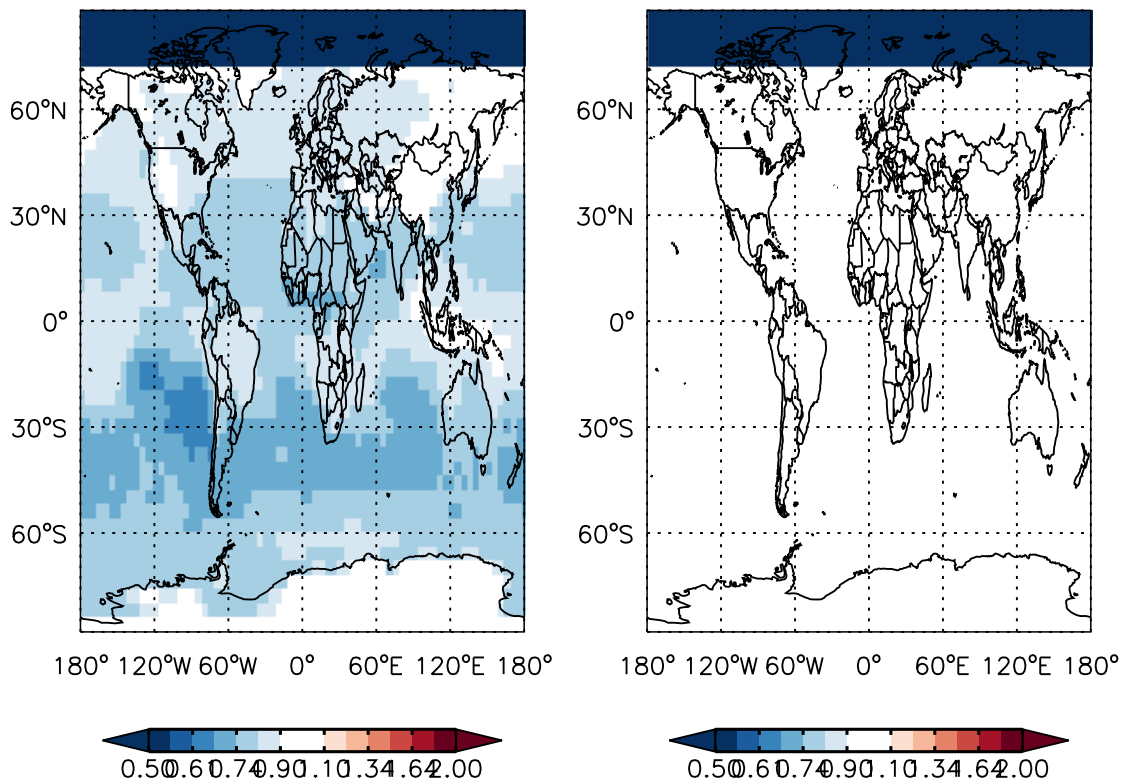
v11-01d-Run0 - v11-01b-Run0 v11-01d-Run0 - v11-01b-Run0

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



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

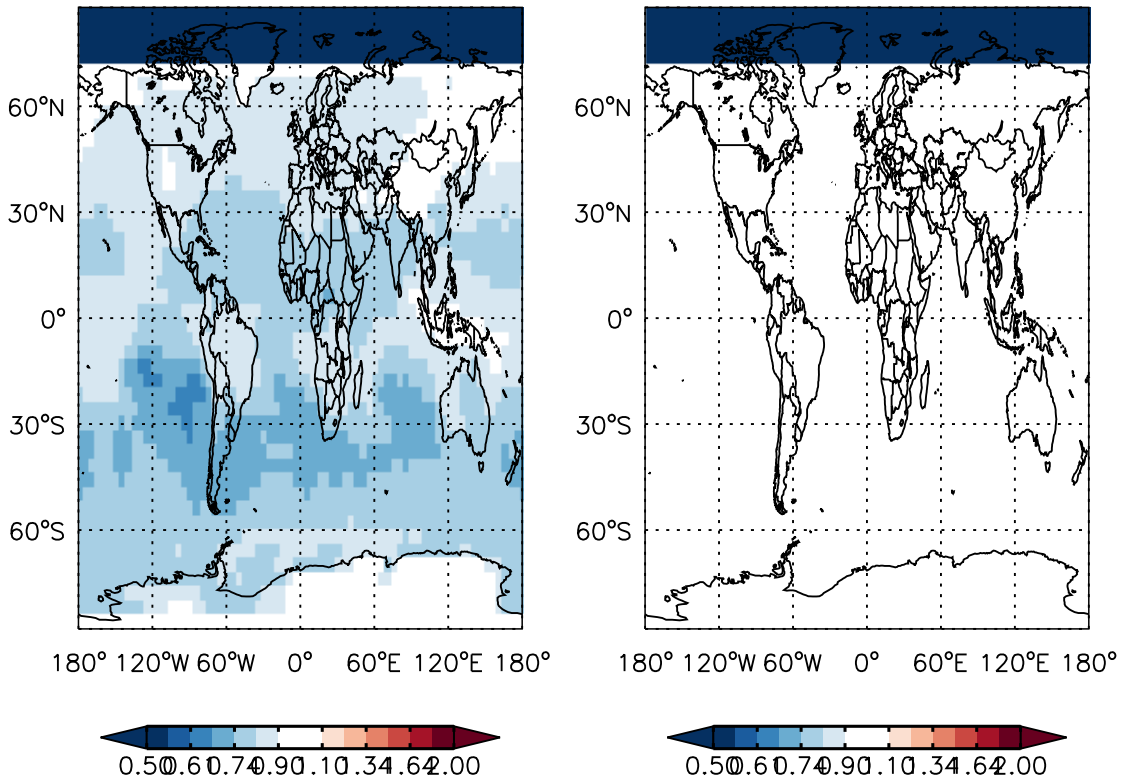
JN20 - J-Value Ratio @ surface for JN20 - J-Value Ratio @ 500 hPa for Jan



GEOS-Chem J-Values at surface and 500 hPa

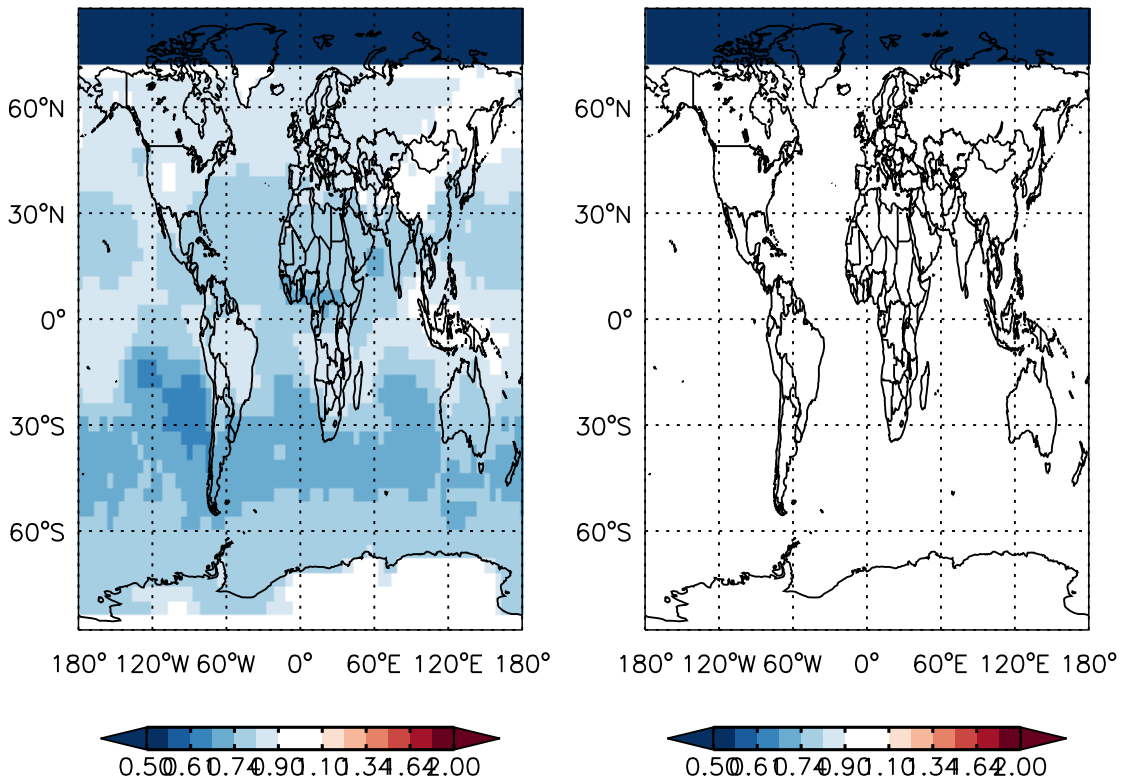
v11-01d-Run0 - v11-01b-Run0 v11-01d-Run0 - v11-01b-Run0

JCCI4 - J-Value Ratio @ surface for QD4 - J-Value Ratio @ 500 hPa for Jan



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

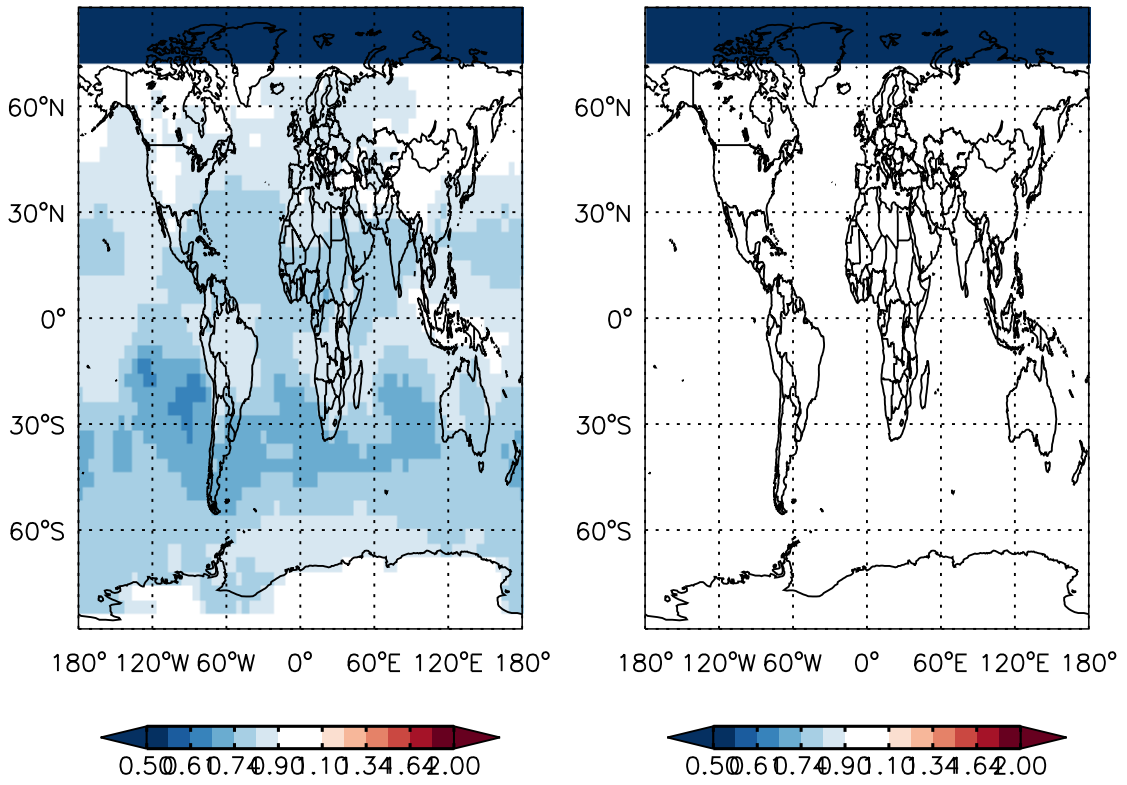
JCCI4 - J-Value Ratio @ surface for QD4 - J-Value Ratio @ 500 hPa for Jan



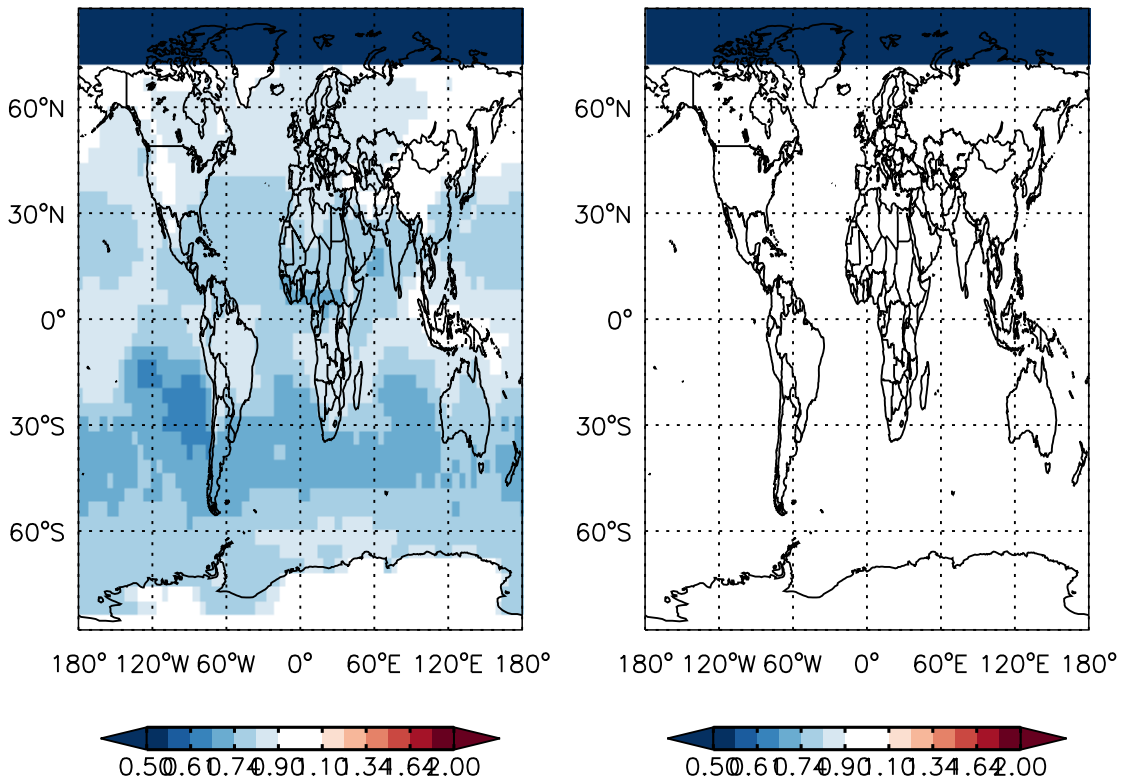
GEOS-Chem J-Values at surface and 500 hPa

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

JCH3Cl - J-Value Ratio @ surface for CH3Cl - J-Value Ratio @ 500 hPa for Jan



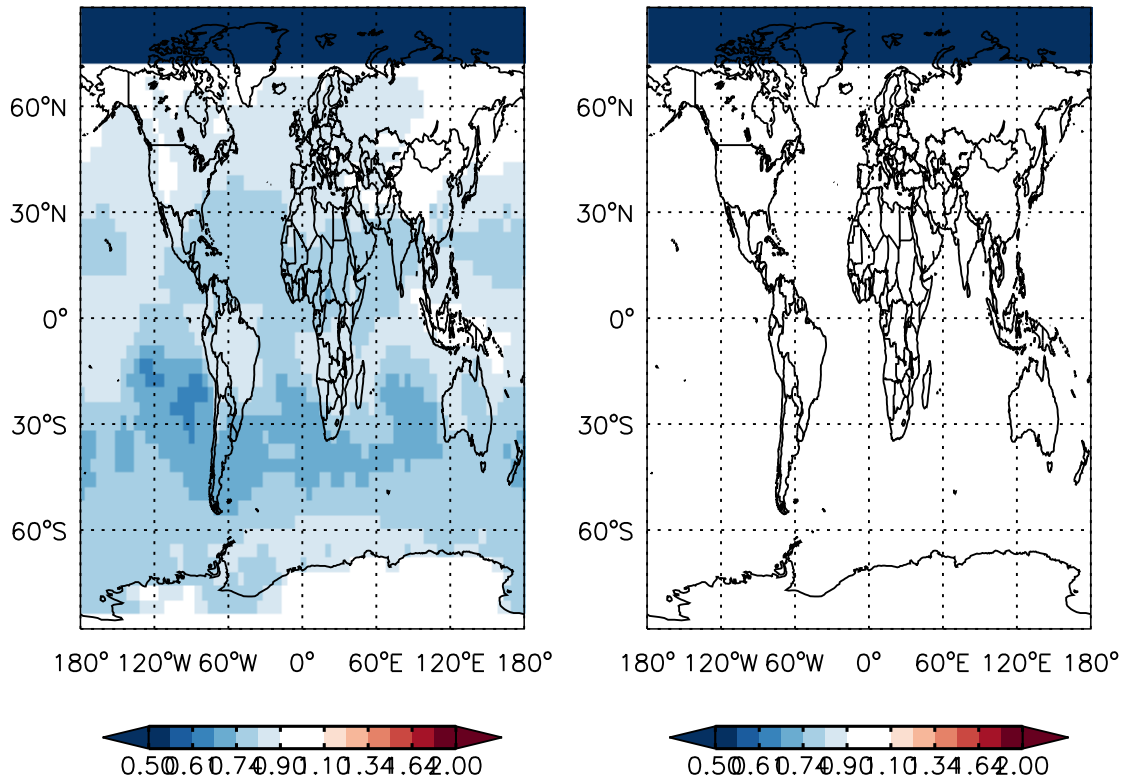
v11-01d-Run0 - v10-01-public-Run0 v11-01d-Run0 - v10-01-public-Run0
JCH3Cl - J-Value Ratio @ surface for CH3Cl - J-Value Ratio @ 500 hPa for Jan



GEOS-Chem J-Values at surface and 500 hPa

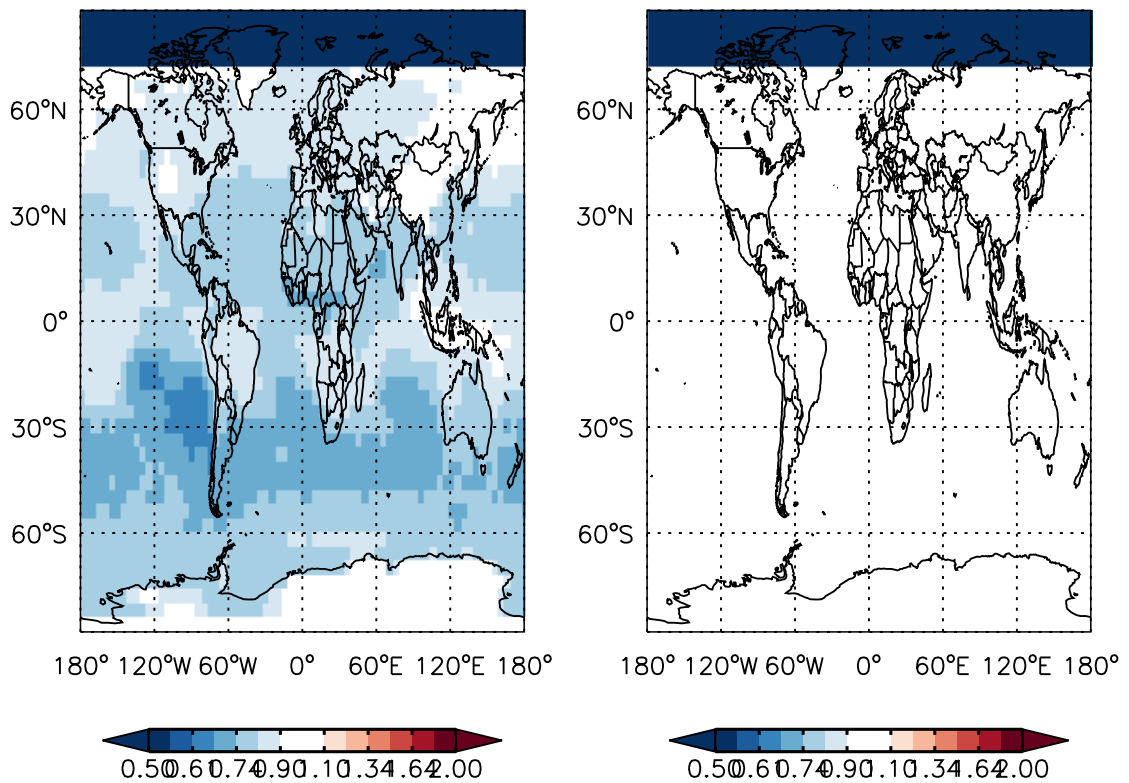
v11-01d-Run0 - v11-01b-Run0 v11-01d-Run0 - v11-01b-Run0

JCFC11 - J-Value Ratio @ surface (0F0d1) - J-Value Ratio @ 500 hPa for Jan



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

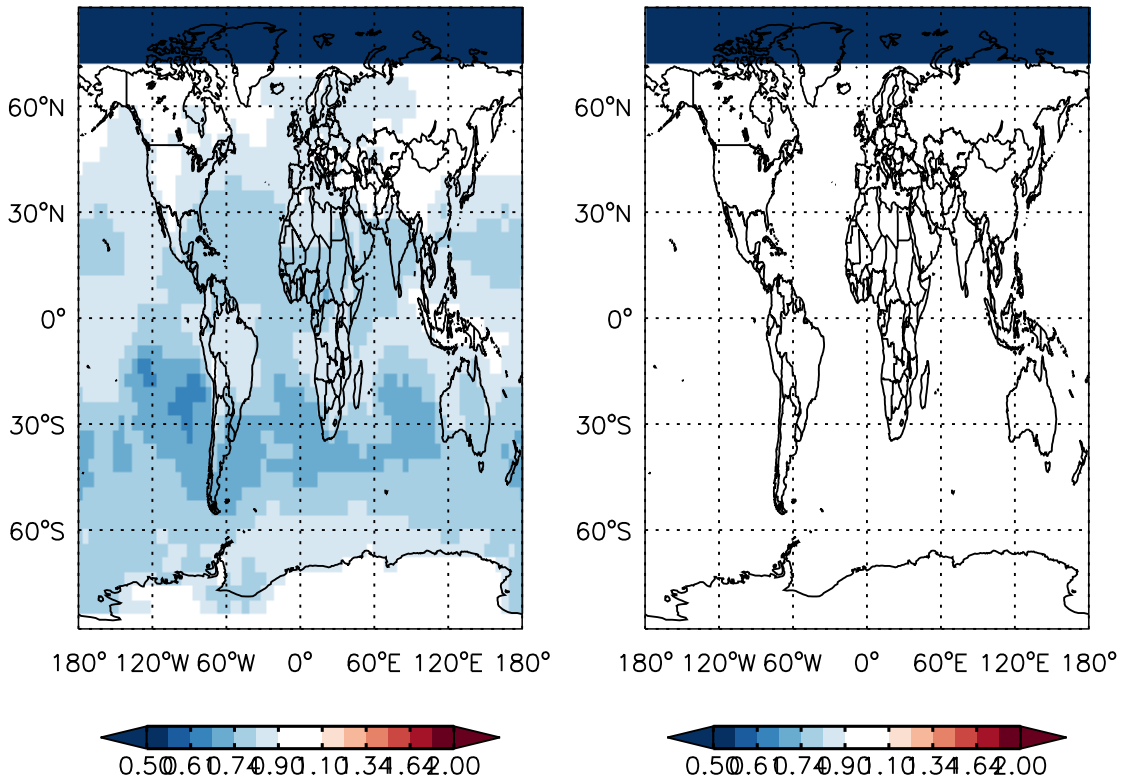
JCFC11 - J-Value Ratio @ surface (0F0d1) - J-Value Ratio @ 500 hPa for Jan



GEOS-Chem J-Values at surface and 500 hPa

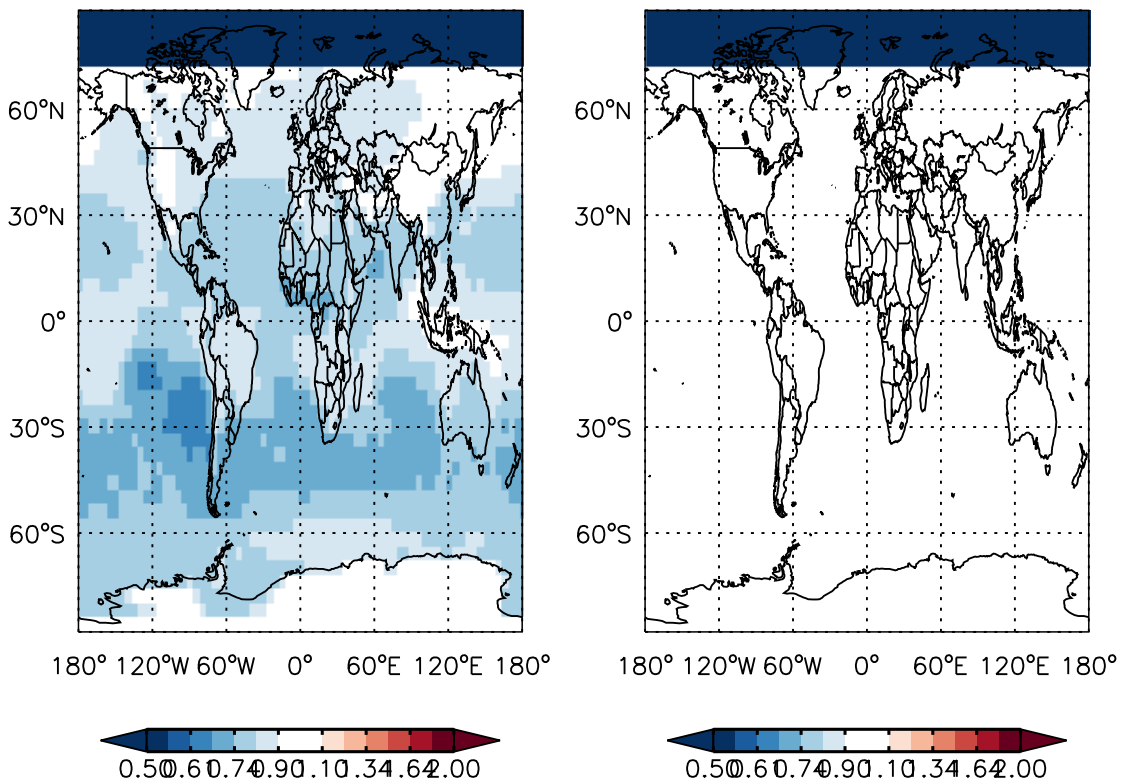
v11-01d-Run0 - v11-01b-Run0 v11-01d-Run0 - v11-01b-Run0

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



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

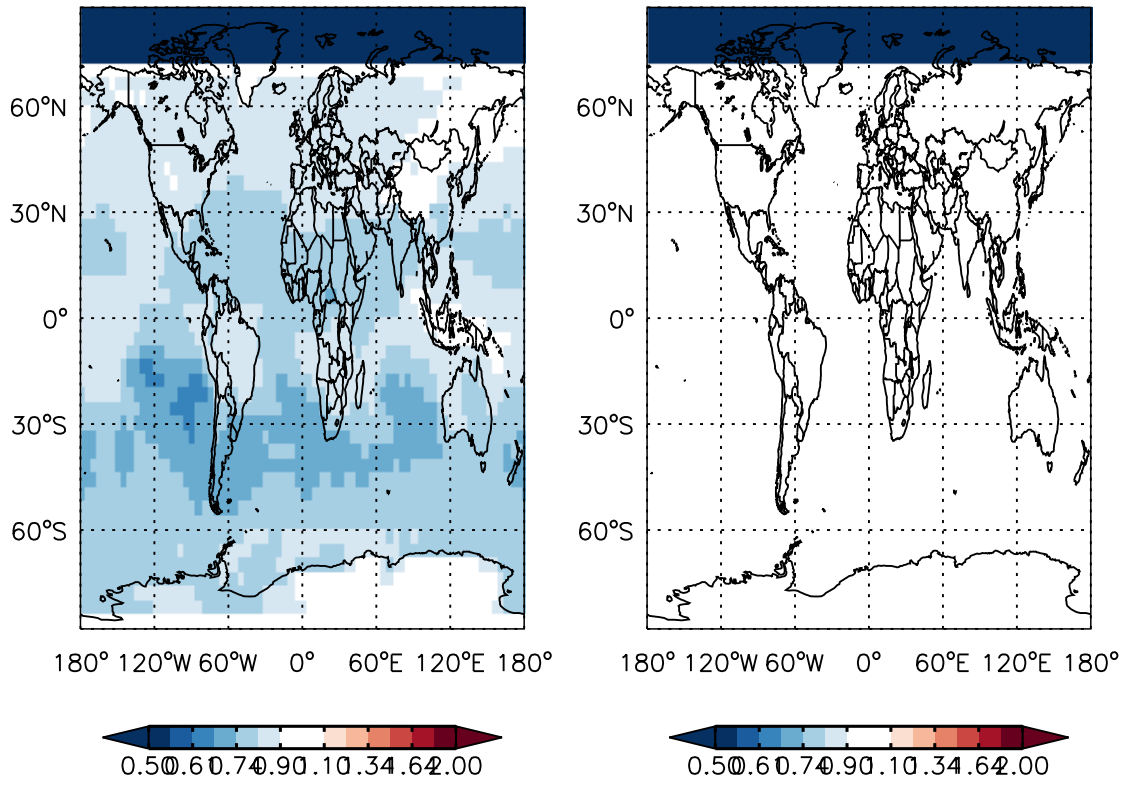
JCFC12 - J-Value Ratio @ surface $\frac{v11-01d-Run0}{v10-01-public-Run0}$ - J-Value Ratio @ 500 hPa for Jan



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 J02 - J-Value Ratio @ 500 hPa for Jan



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

J02 - J-Value Ratio @ surface for J02 - J-Value Ratio @ 500 hPa for Jan

