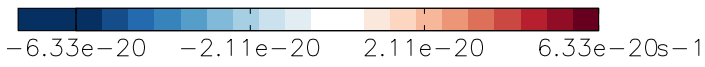
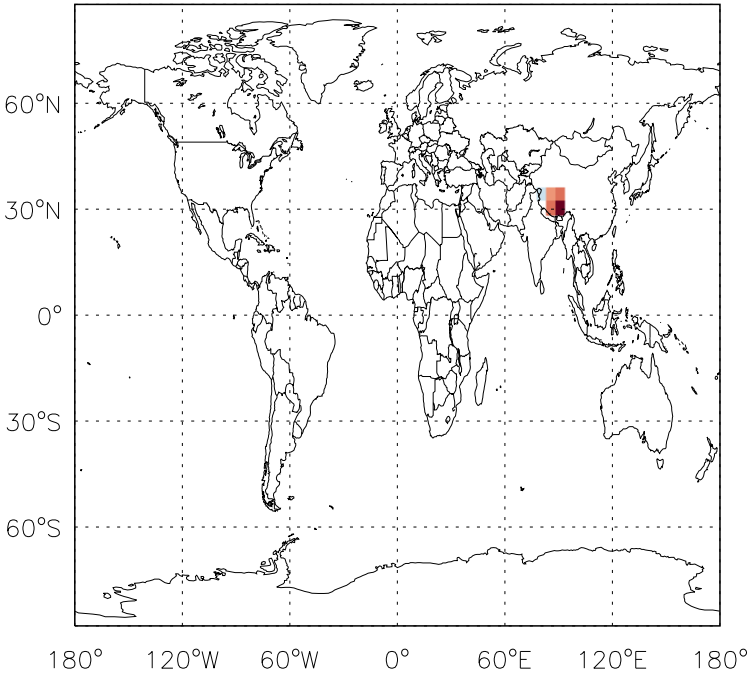


GEOS-Chem J-Values at surface and 500 hPa

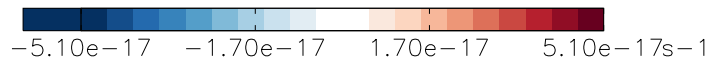
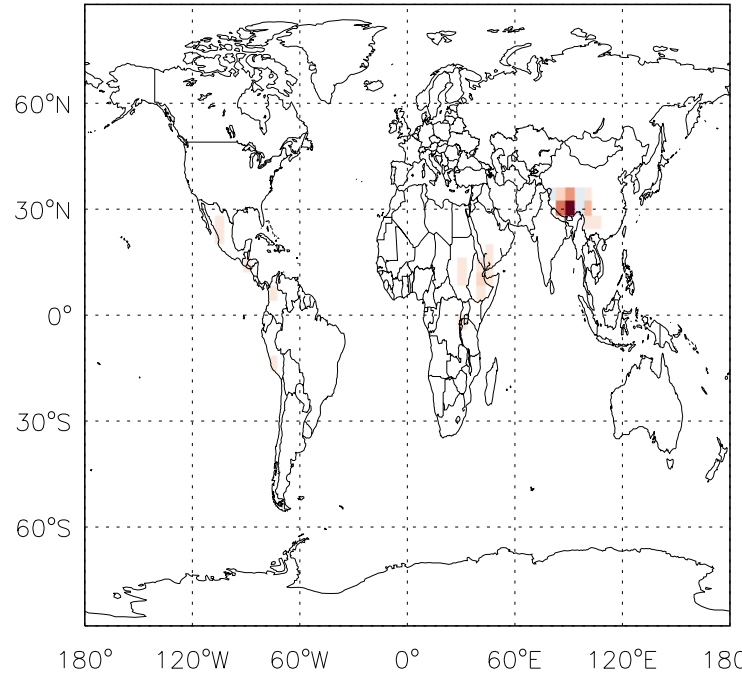
v11-01f-geosp-Run0 - v11-01d-Run1

JNO - J-Value Diff @ surface for Apr



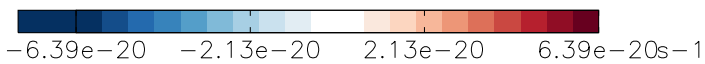
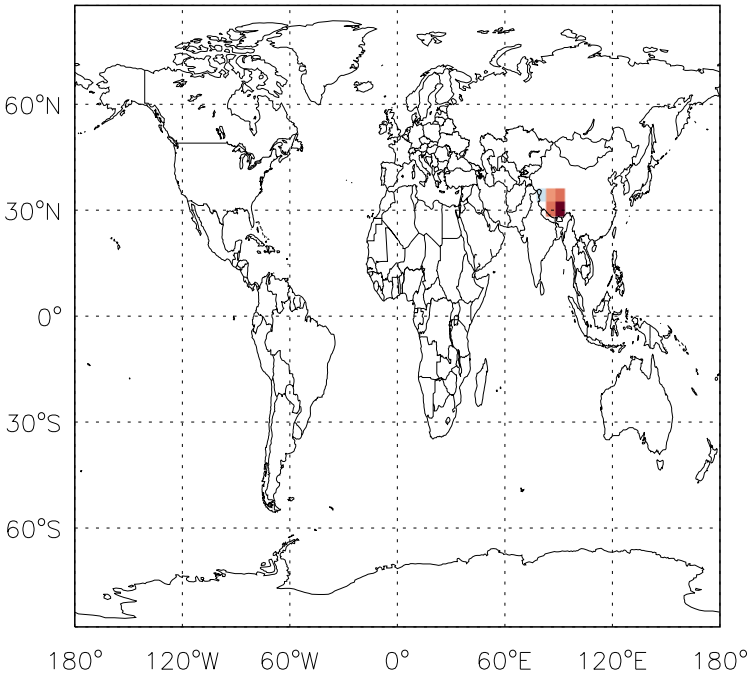
v11-01f-geosp-Run0 - v11-01d-Run1

JNO - J-Value Diff @ 500 hPa for Apr



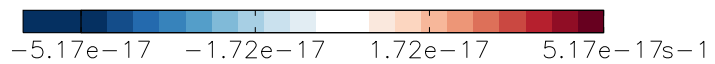
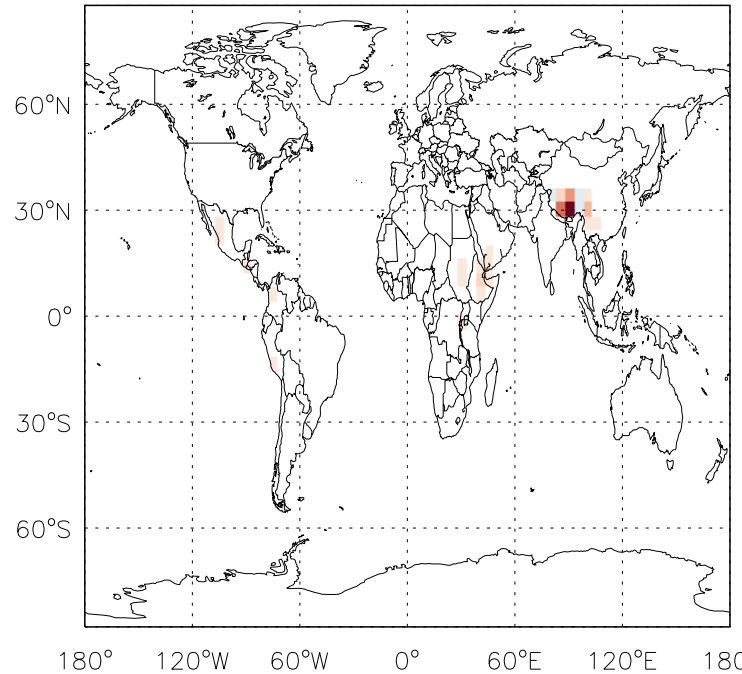
v11-01f-geosp-Run0 - v11-01b-Run0

JNO - J-Value Diff @ surface for Apr



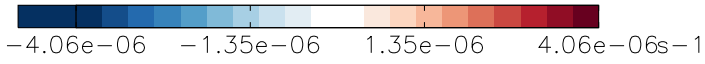
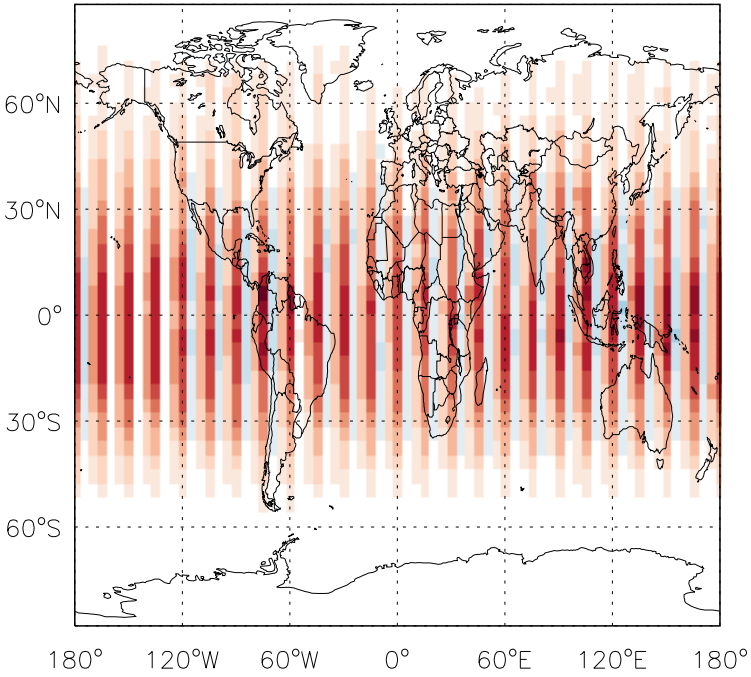
v11-01f-geosp-Run0 - v11-01b-Run0

JNO - J-Value Diff @ 500 hPa for Apr

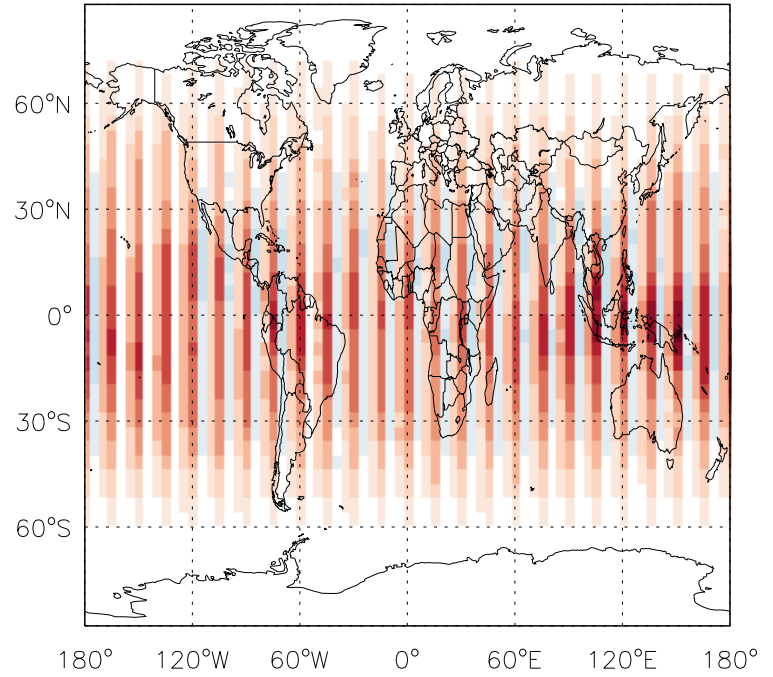


GEOS-Chem J-Values at surface and 500 hPa

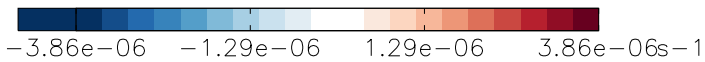
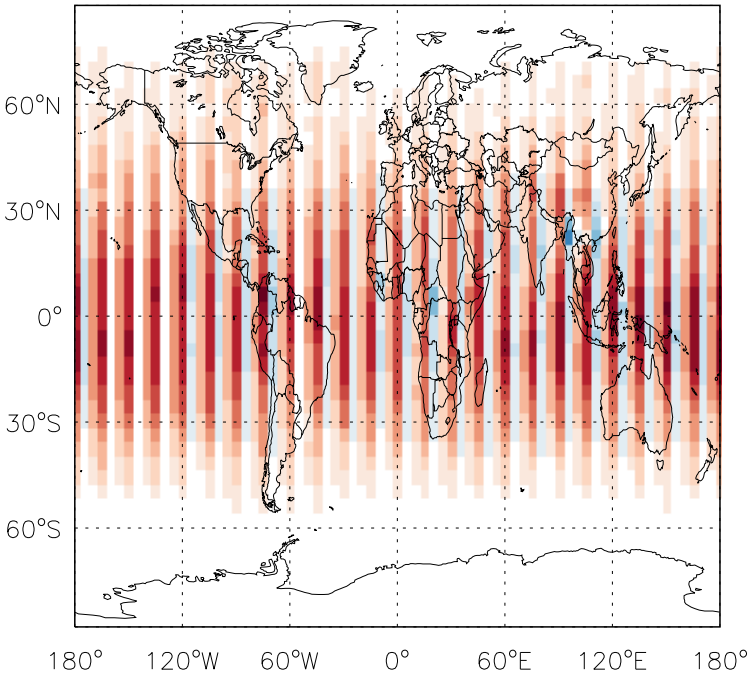
v11-01f-geosp-Run0 - v11-01d-Run1
J03_01D - J-Value Diff @ surface for Apr



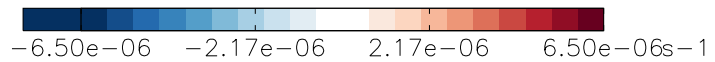
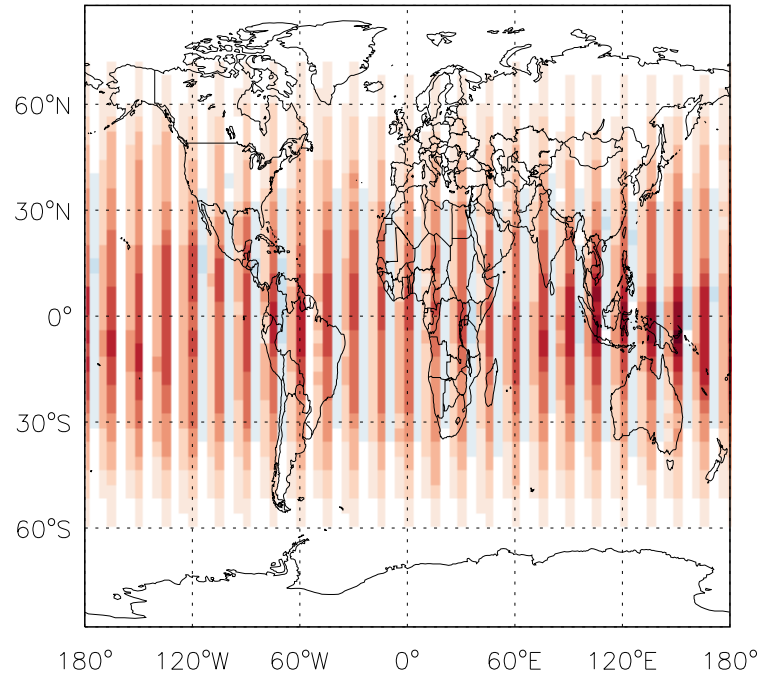
v11-01f-geosp-Run0 - v11-01d-Run1
J03_01D - J-Value Diff @ 500 hPa for Apr



v11-01f-geosp-Run0 - v11-01b-Run0
J03_01D - J-Value Diff @ surface for Apr

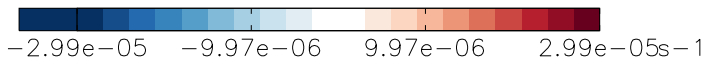
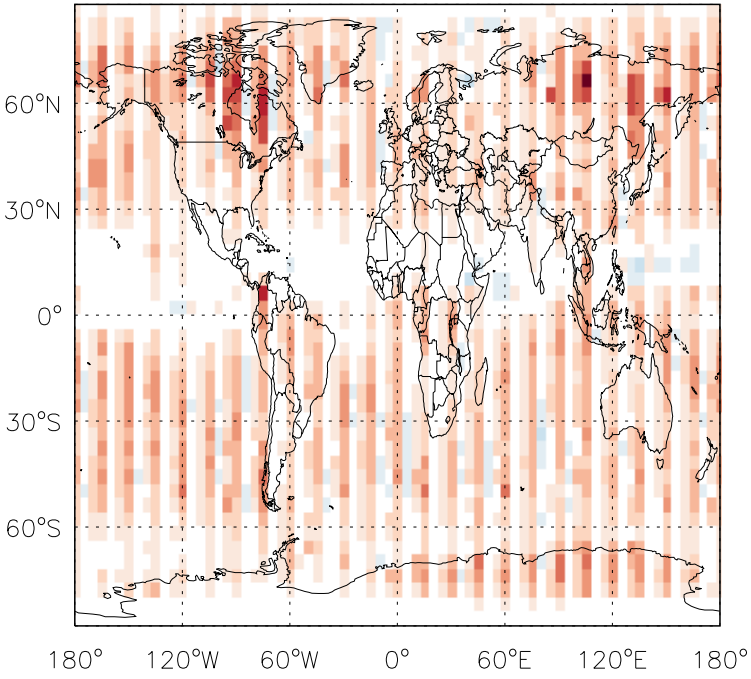


v11-01f-geosp-Run0 - v11-01b-Run0
J03_01D - J-Value Diff @ 500 hPa for Apr

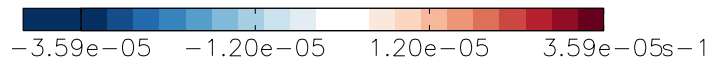
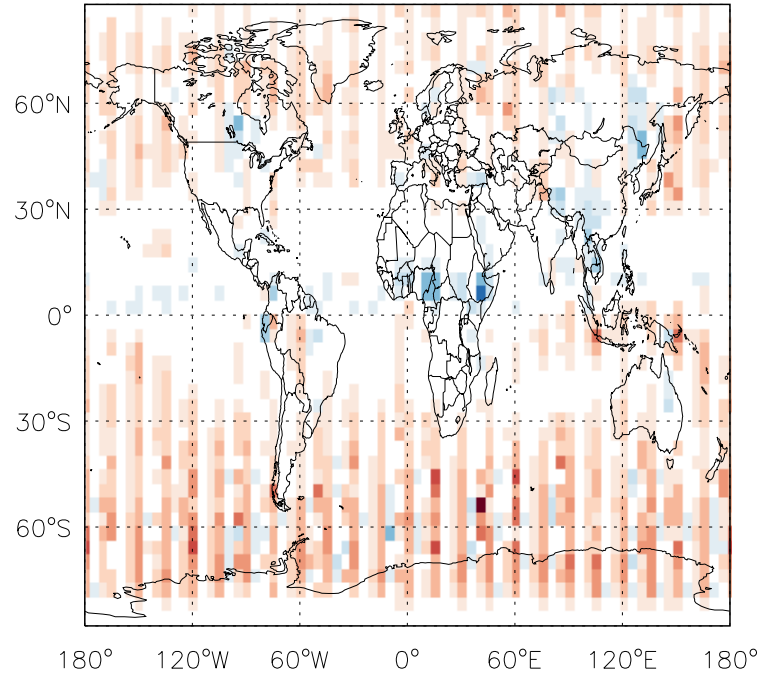


GEOS-Chem J-Values at surface and 500 hPa

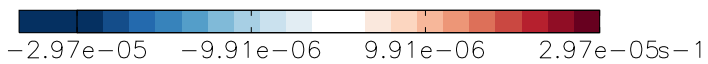
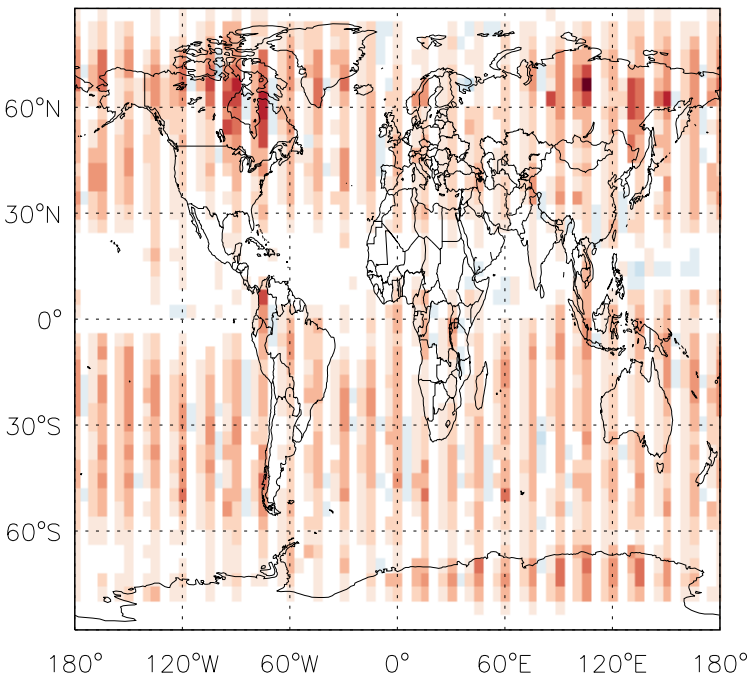
v11-01f-geosp-Run0 - v11-01d-Run1
J03_03P - J-Value Diff @ surface for Apr



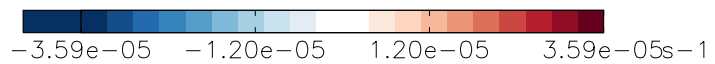
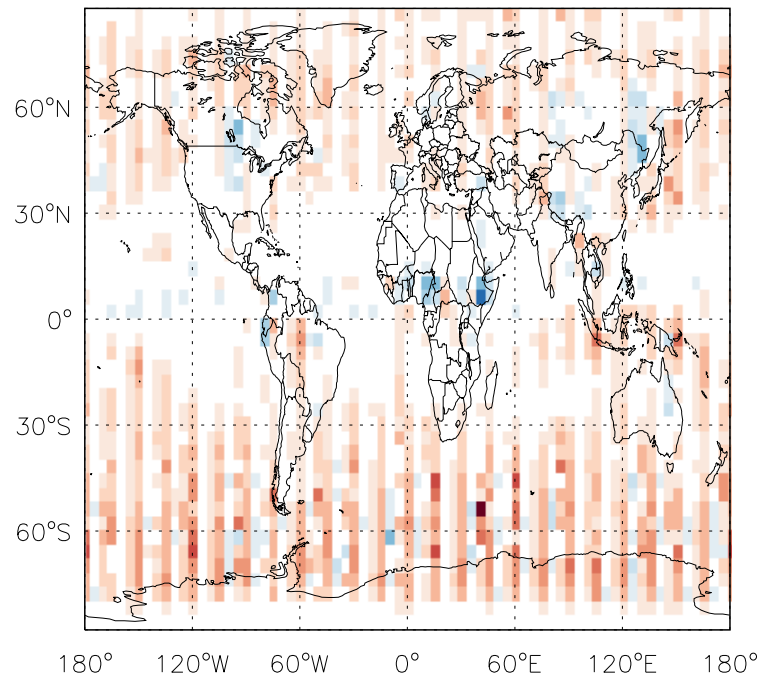
v11-01f-geosp-Run0 - v11-01d-Run1
J03_03P - J-Value Diff @ 500 hPa for Apr



v11-01f-geosp-Run0 - v11-01b-Run0
J03_03P - J-Value Diff @ surface for Apr

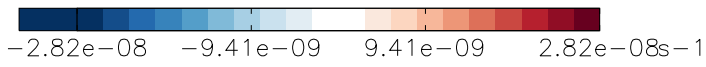
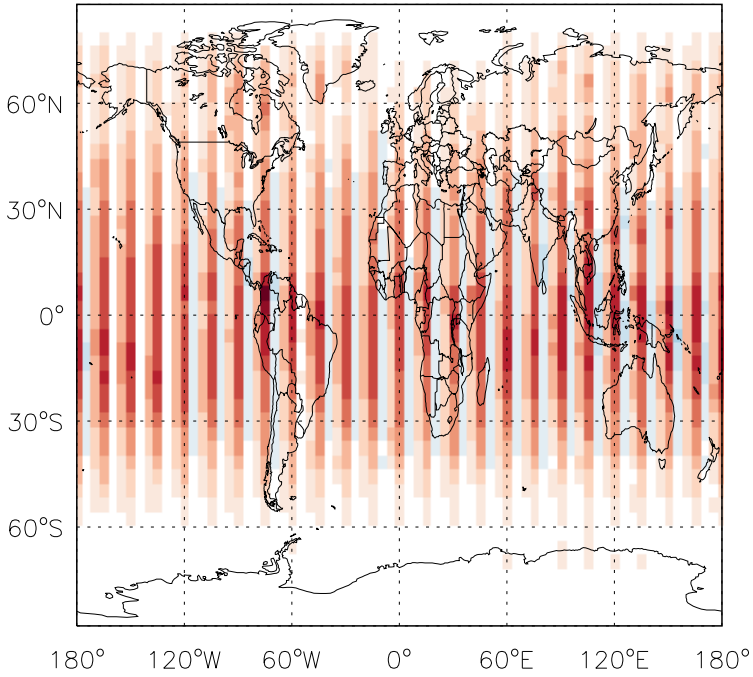


v11-01f-geosp-Run0 - v11-01b-Run0
J03_03P - J-Value Diff @ 500 hPa for Apr

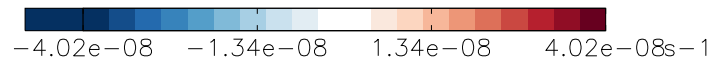
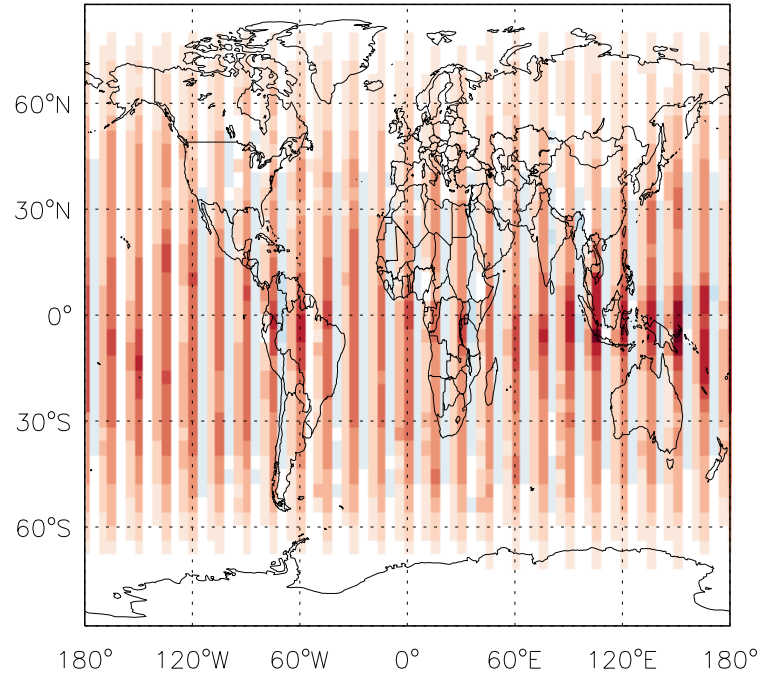


GEOS-Chem J-Values at surface and 500 hPa

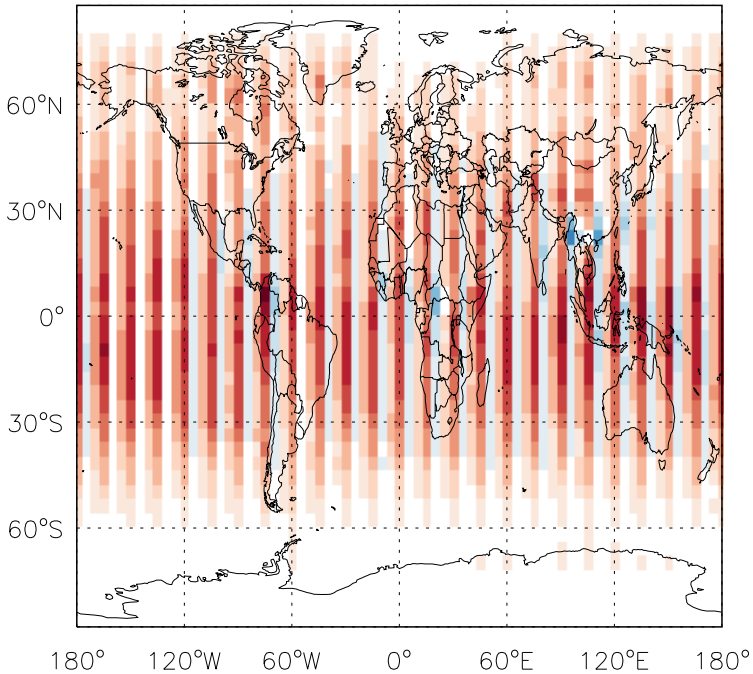
v11-01f-geosp-Run0 - v11-01d-Run1
JHN03 - J-Value Diff @ surface for Apr



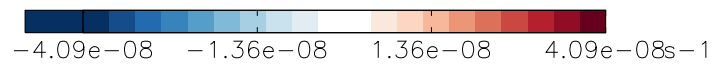
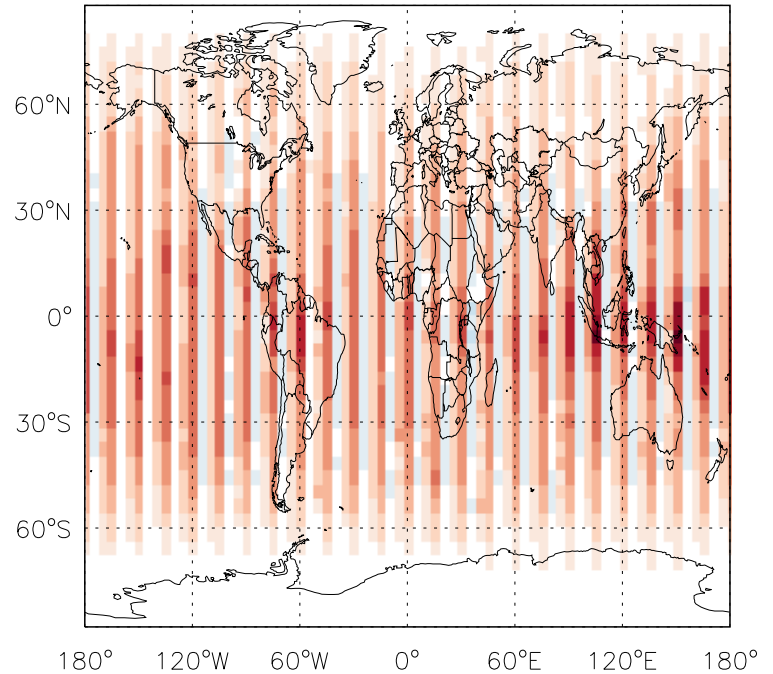
v11-01f-geosp-Run0 - v11-01d-Run1
JHN03 - J-Value Diff @ 500 hPa for Apr



v11-01f-geosp-Run0 - v11-01b-Run0
JHN03 - J-Value Diff @ surface for Apr

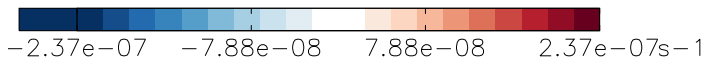
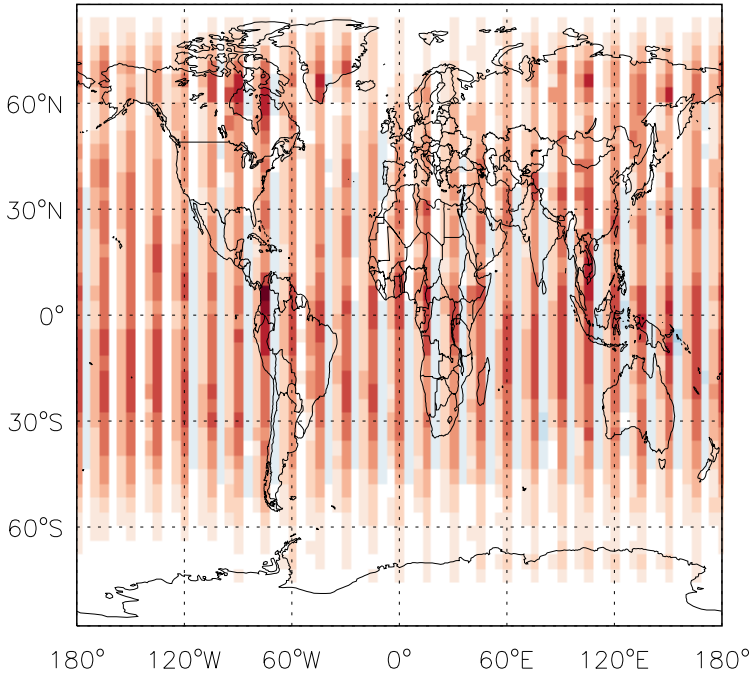


v11-01f-geosp-Run0 - v11-01b-Run0
JHN03 - J-Value Diff @ 500 hPa for Apr

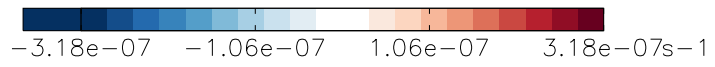
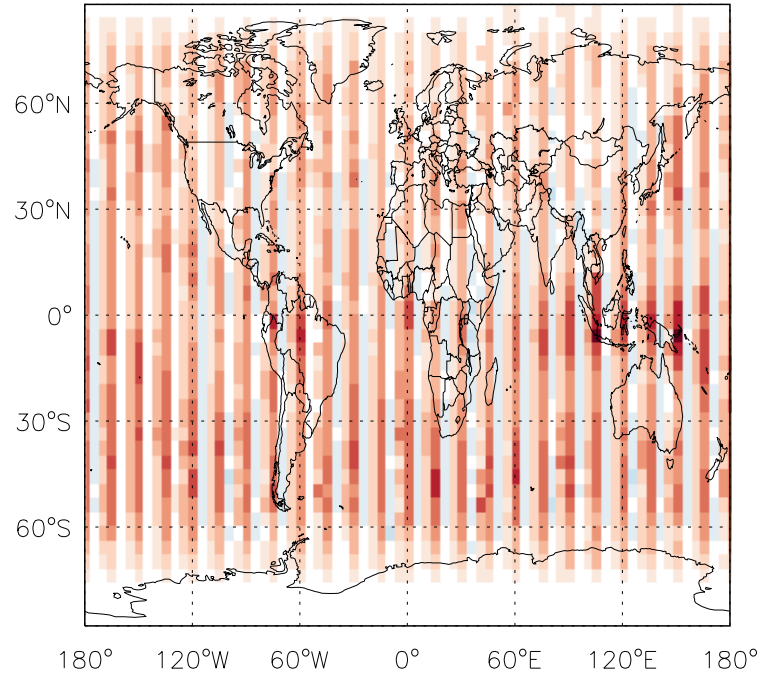


GEOS-Chem J-Values at surface and 500 hPa

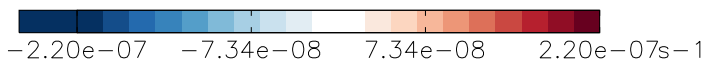
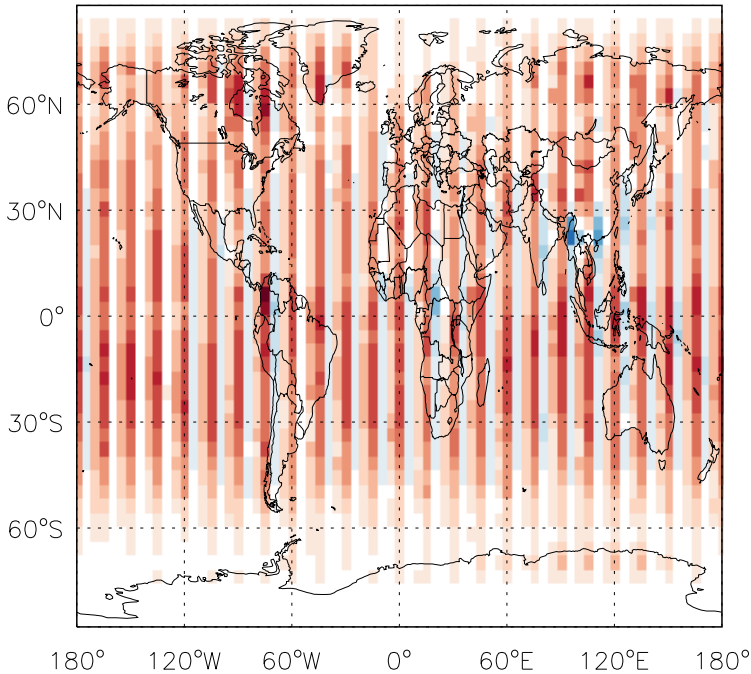
v11-01f-geosp-Run0 - v11-01d-Run1
JH202 - J-Value Diff @ surface for Apr



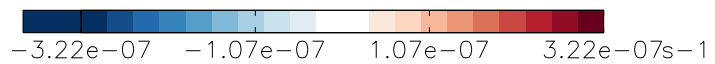
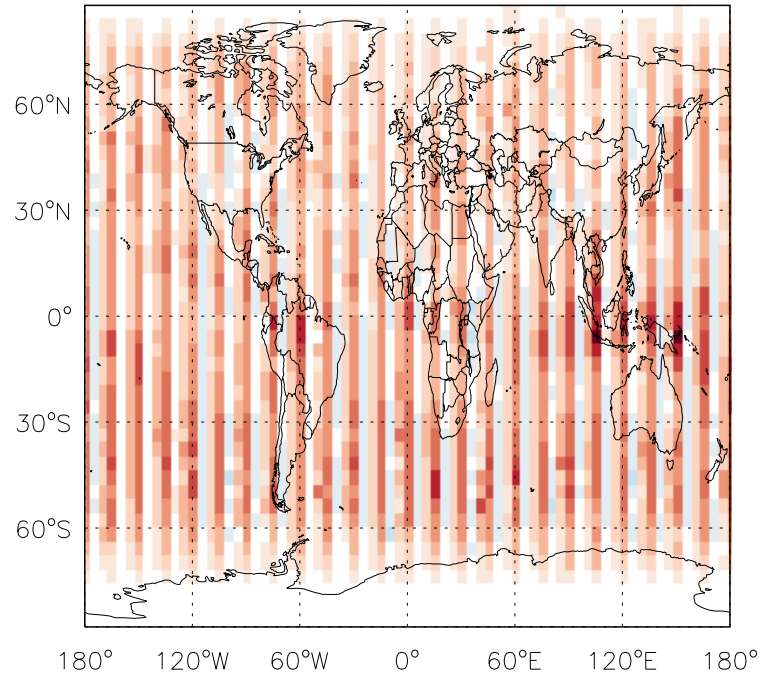
v11-01f-geosp-Run0 - v11-01d-Run1
JH202 - J-Value Diff @ 500 hPa for Apr



v11-01f-geosp-Run0 - v11-01b-Run0
JH202 - J-Value Diff @ surface for Apr

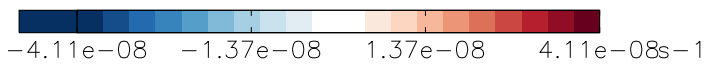
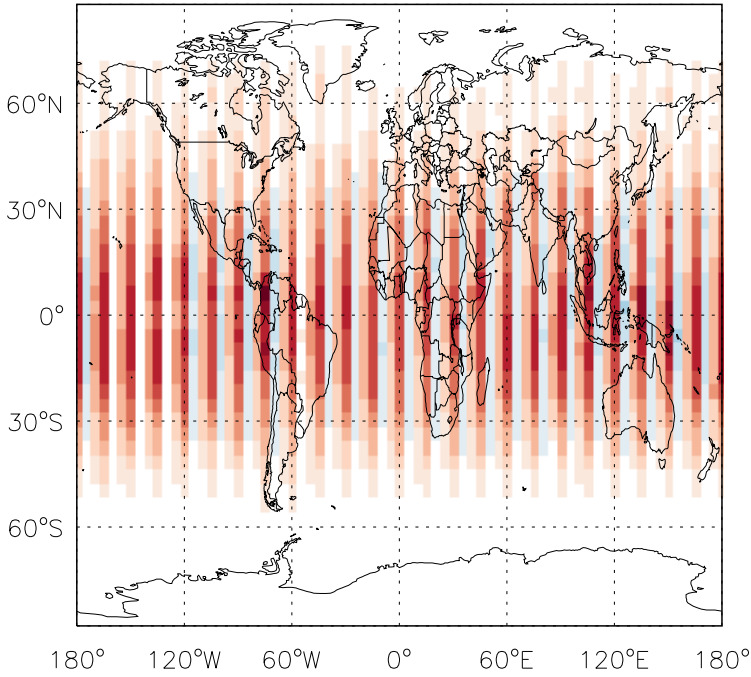


v11-01f-geosp-Run0 - v11-01b-Run0
JH202 - J-Value Diff @ 500 hPa for Apr

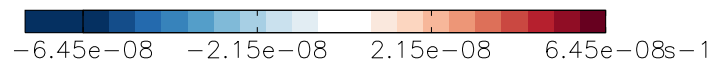
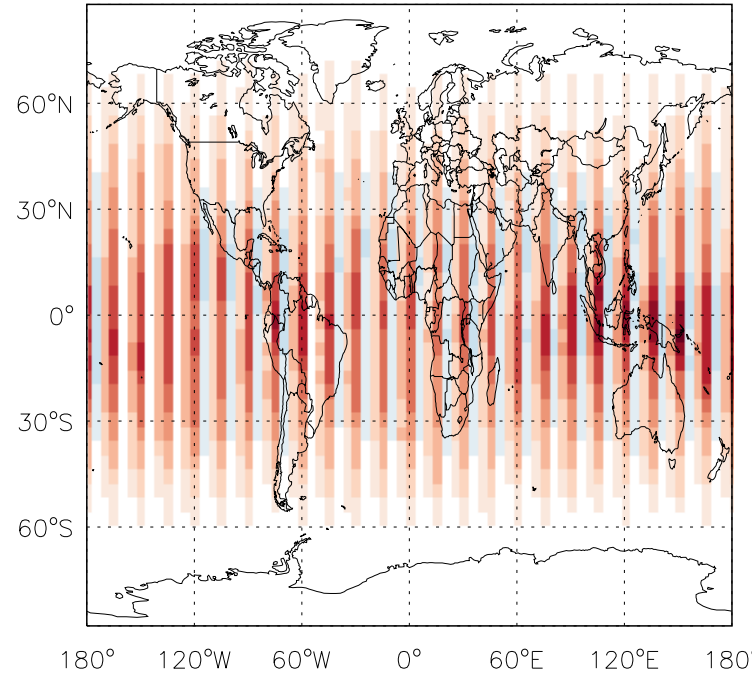


GEOS-Chem J-Values at surface and 500 hPa

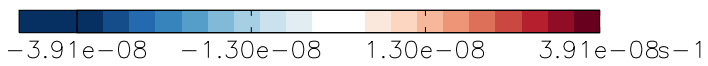
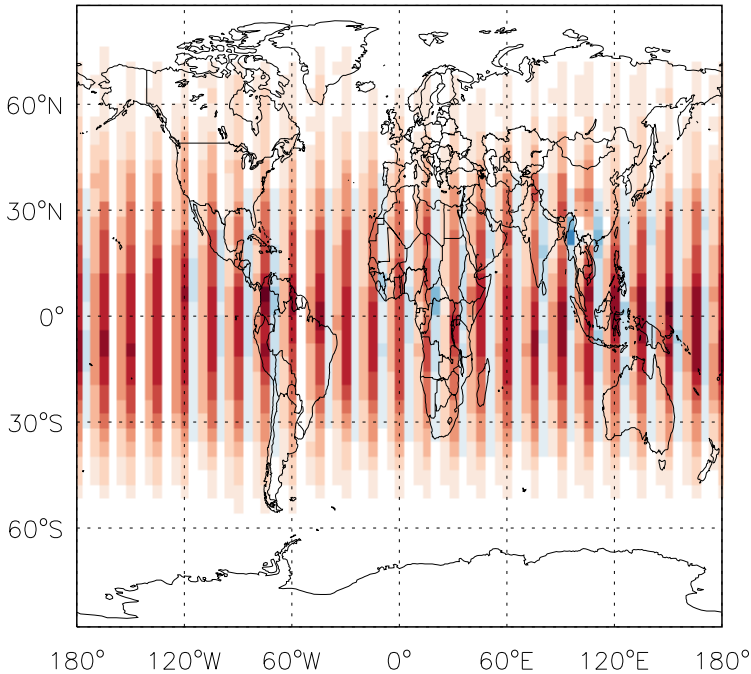
v11-01f-geosp-Run0 - v11-01d-Run1
JACET - J-Value Diff @ surface for Apr



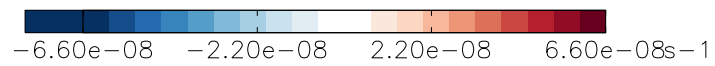
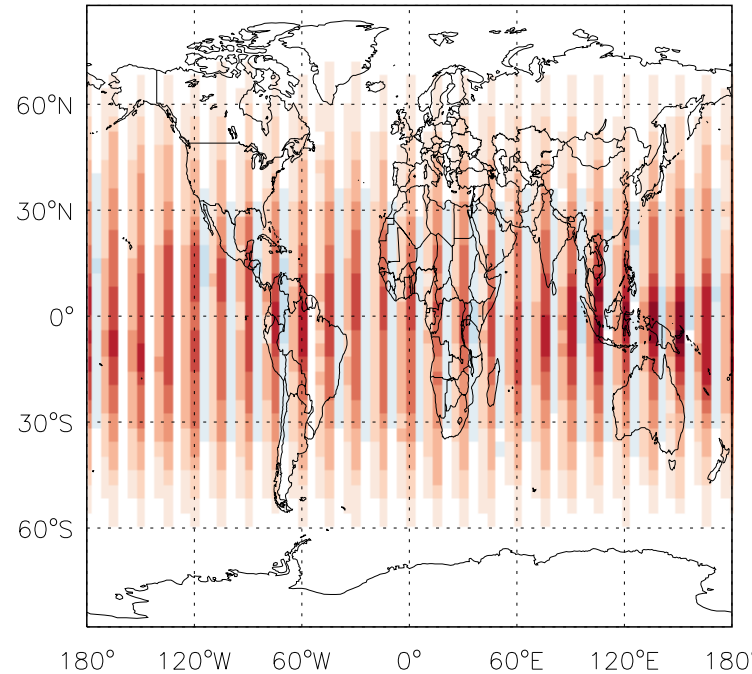
v11-01f-geosp-Run0 - v11-01d-Run1
JACET - J-Value Diff @ 500 hPa for Apr



v11-01f-geosp-Run0 - v11-01b-Run0
JACET - J-Value Diff @ surface for Apr

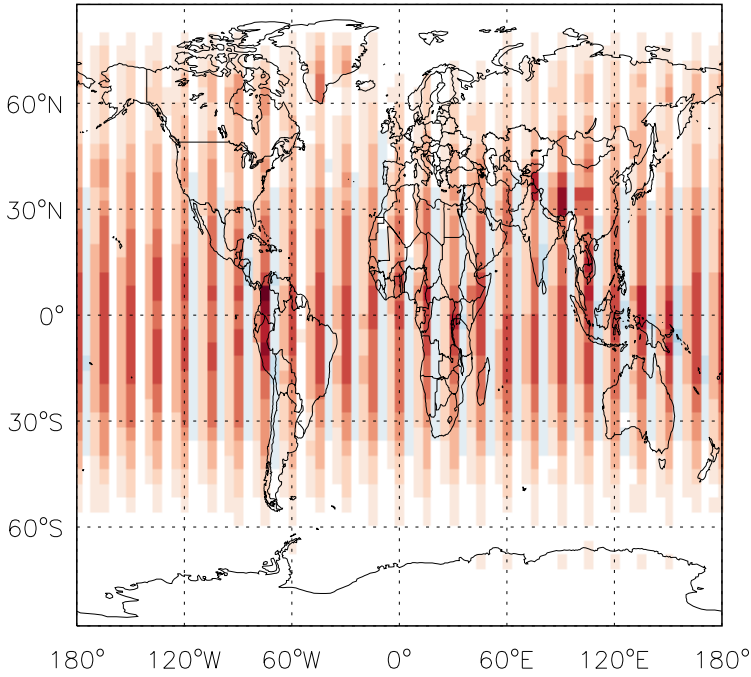


v11-01f-geosp-Run0 - v11-01b-Run0
JACET - J-Value Diff @ 500 hPa for Apr

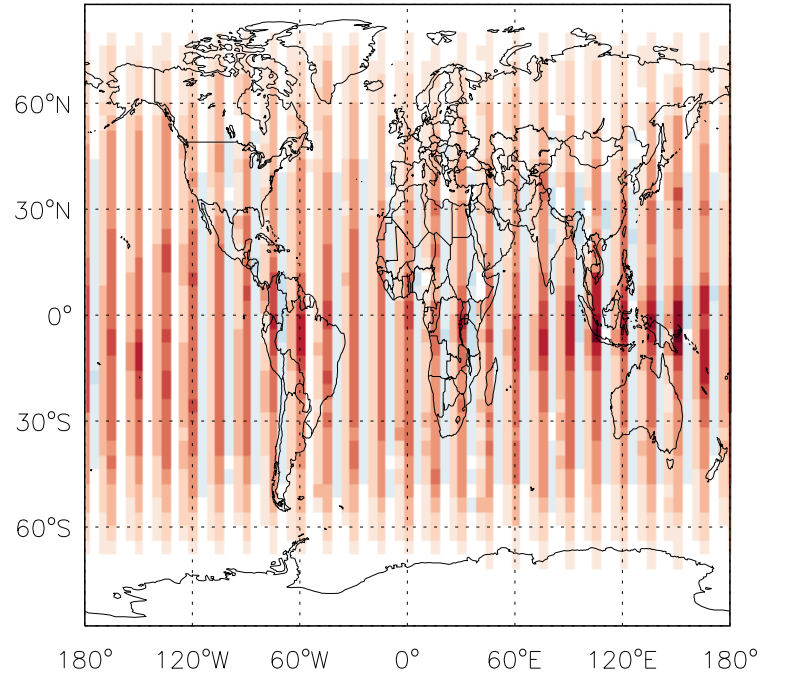


GEOS-Chem J-Values at surface and 500 hPa

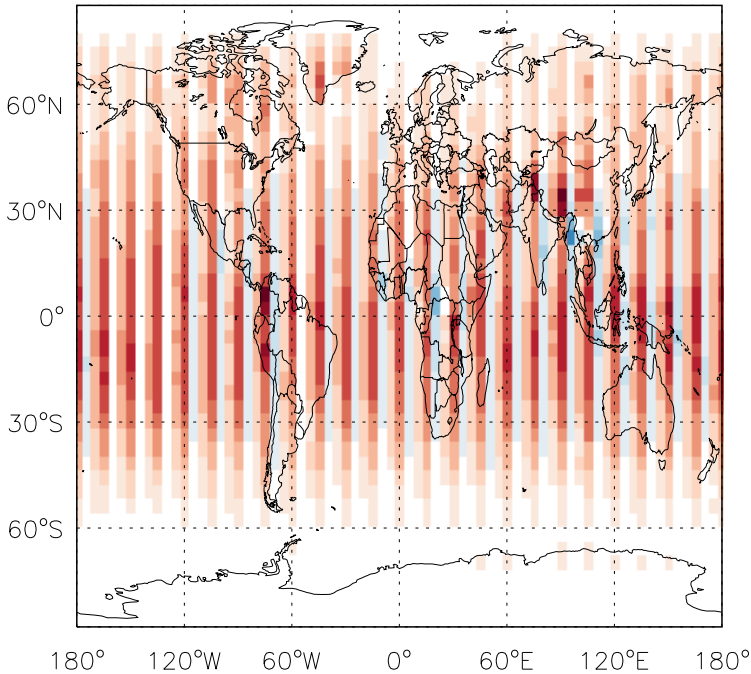
v11-01f-geosp-Run0 - v11-01d-Run1
JALD2 - J-Value Diff @ surface for Apr



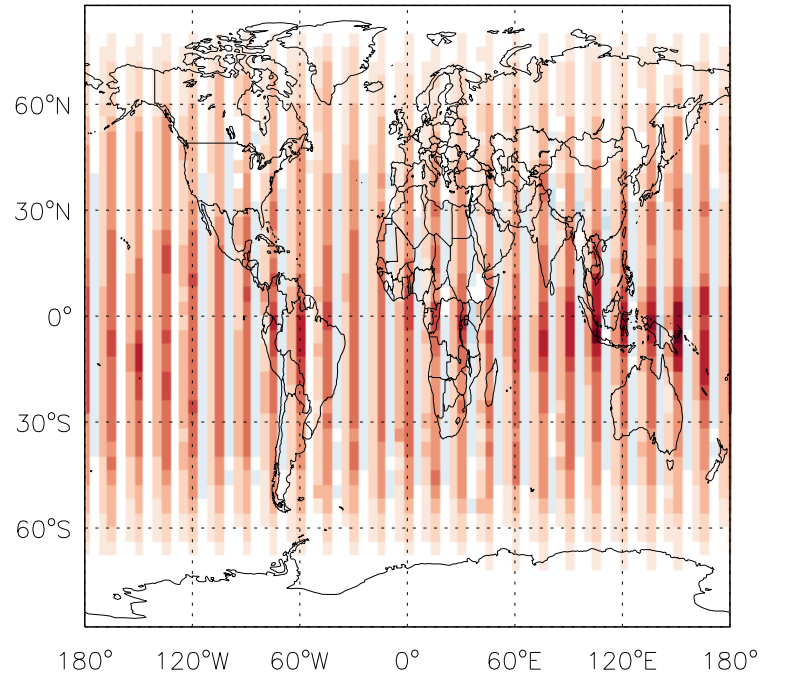
v11-01f-geosp-Run0 - v11-01d-Run1
JALD2 - J-Value Diff @ 500 hPa for Apr



v11-01f-geosp-Run0 - v11-01b-Run0
JALD2 - J-Value Diff @ surface for Apr



v11-01f-geosp-Run0 - v11-01b-Run0
JALD2 - J-Value Diff @ 500 hPa for Apr



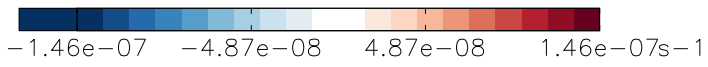
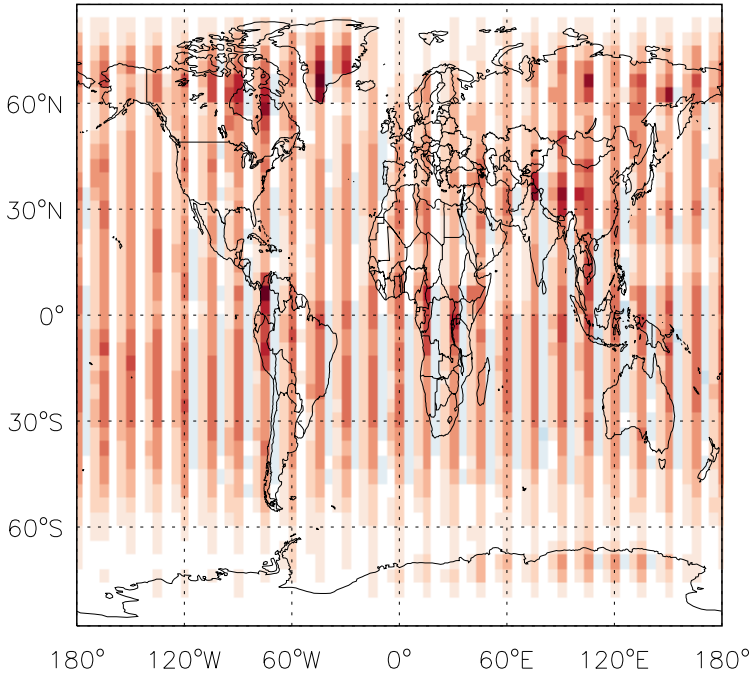
-1.97×10^{-7} -6.56×10^{-8} 6.56×10^{-8} $1.97 \times 10^{-7} \text{ s}^{-1}$

-4.73×10^{-7} -1.58×10^{-7} 1.58×10^{-7} $4.73 \times 10^{-7} \text{ s}^{-1}$

GEOS-Chem J-Values at surface and 500 hPa

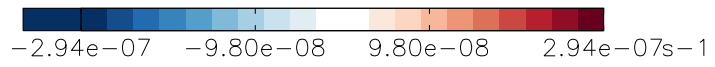
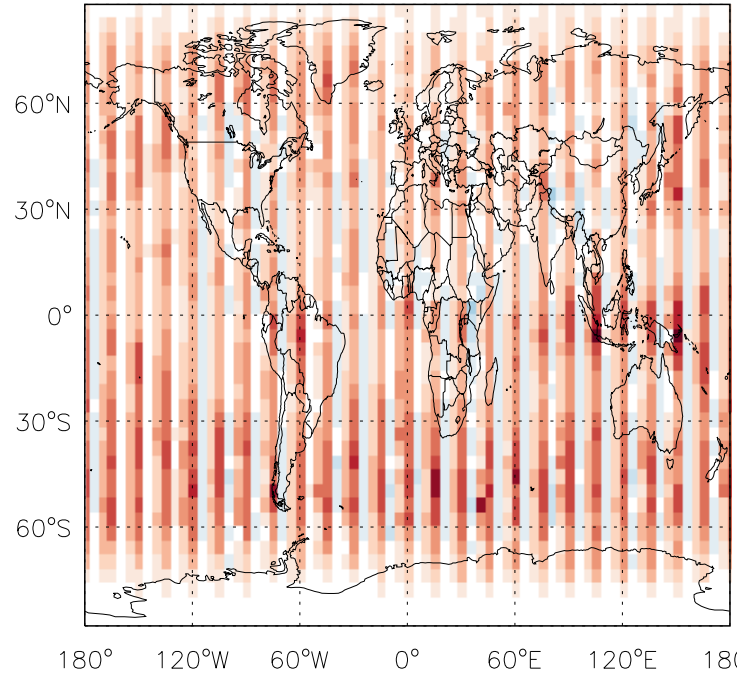
v11-01f-geosp-Run0 - v11-01d-Run1

JMK - J-Value Diff @ surface for Apr



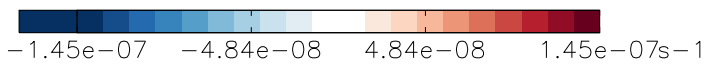
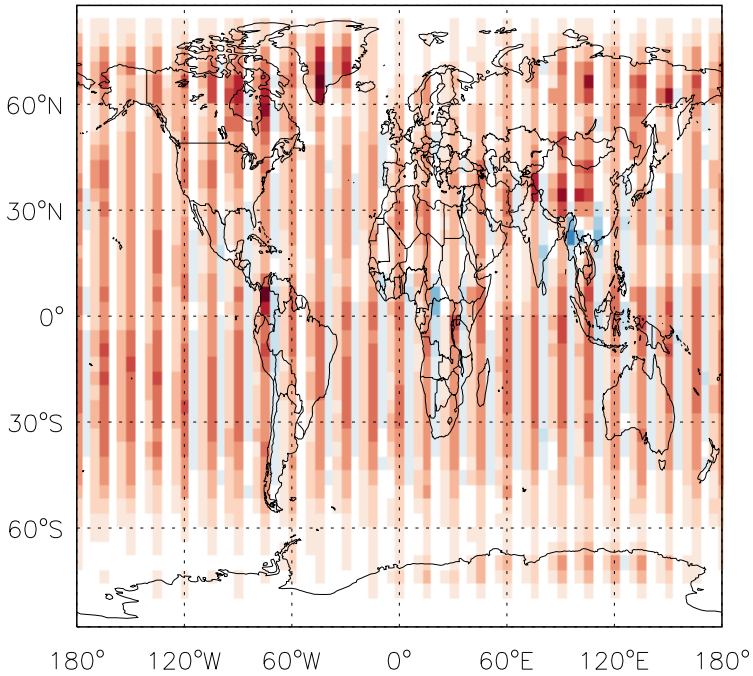
v11-01f-geosp-Run0 - v11-01d-Run1

JMK - J-Value Diff @ 500 hPa for Apr



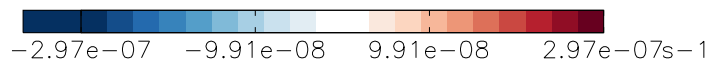
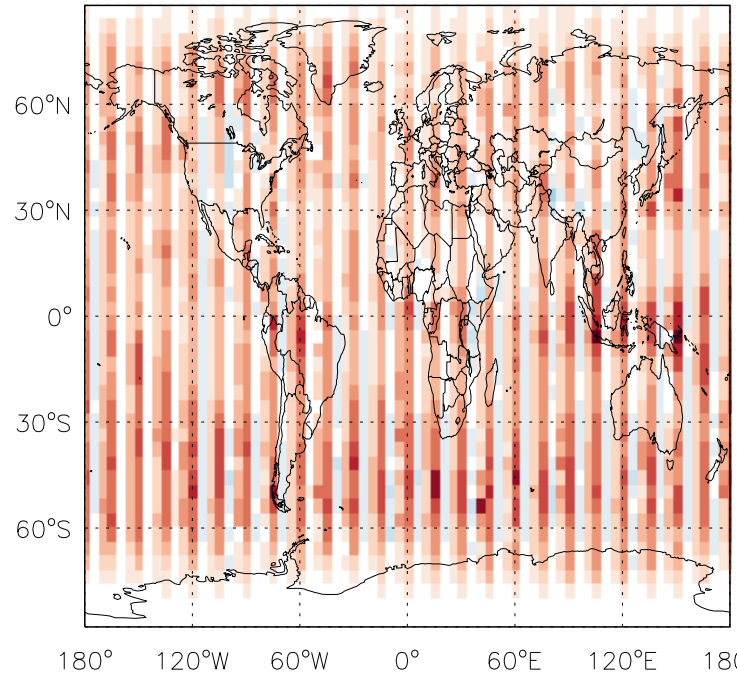
v11-01f-geosp-Run0 - v11-01b-Run0

JMK - J-Value Diff @ surface for Apr



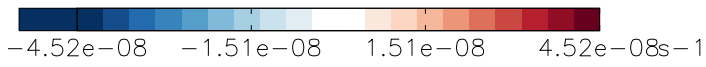
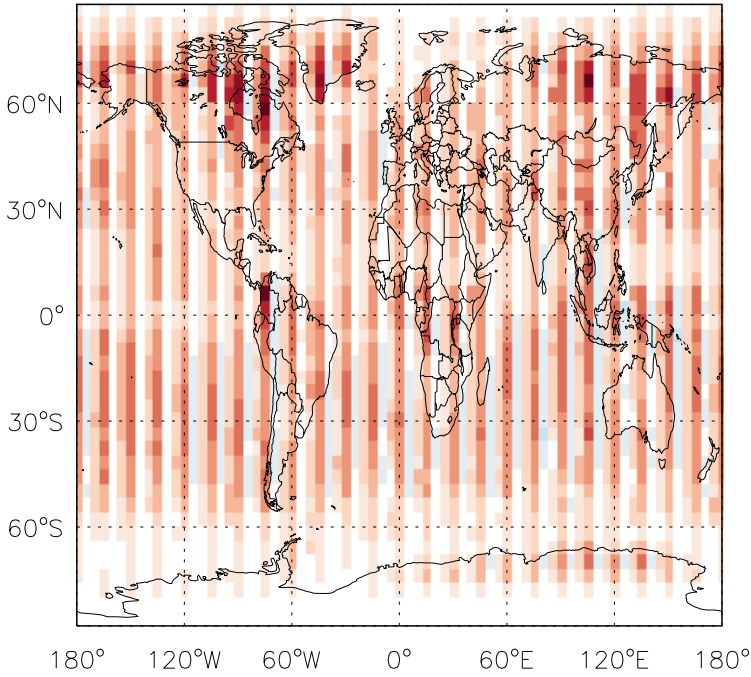
v11-01f-geosp-Run0 - v11-01b-Run0

JMK - J-Value Diff @ 500 hPa for Apr

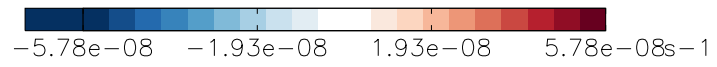
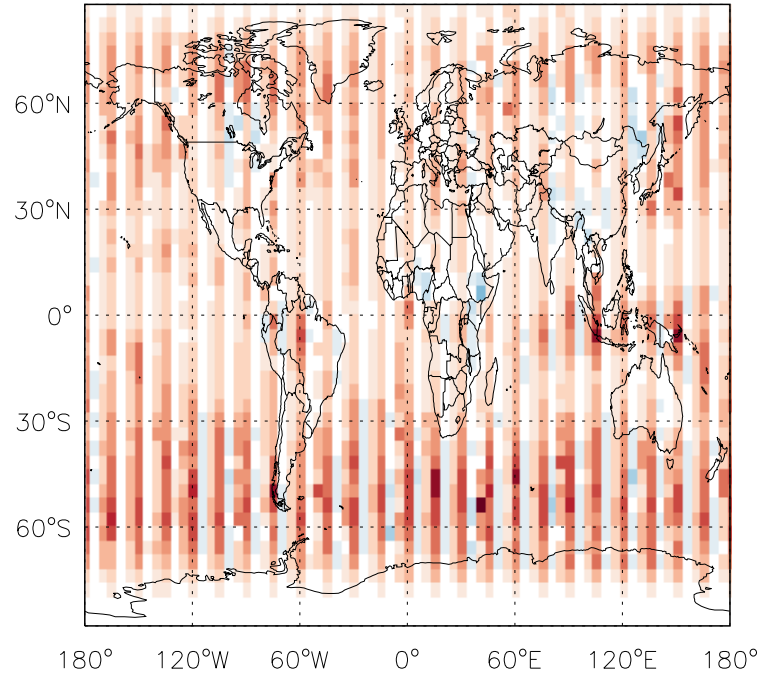


GEOS-Chem J-Values at surface and 500 hPa

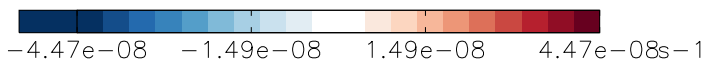
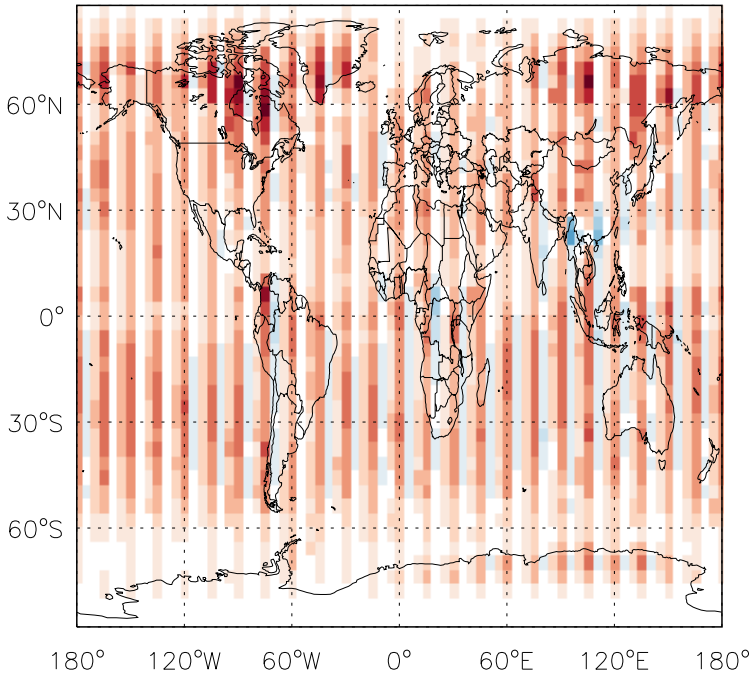
v11-01f-geosp-Run0 - v11-01d-Run1
JMACR - J-Value Diff @ surface for Apr



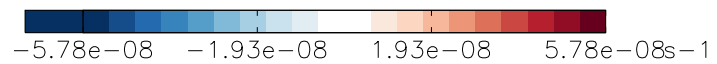
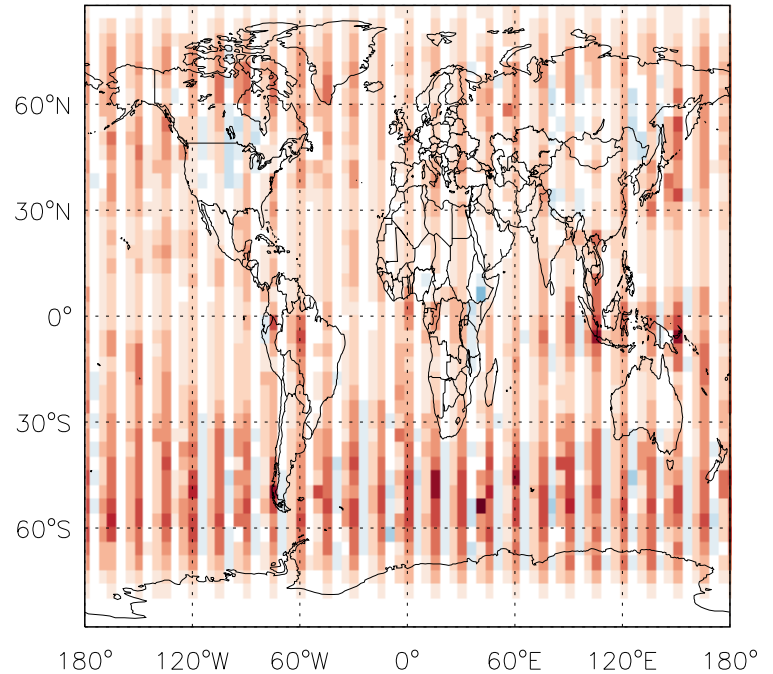
v11-01f-geosp-Run0 - v11-01d-Run1
JMACR - J-Value Diff @ 500 hPa for Apr



v11-01f-geosp-Run0 - v11-01b-Run0
JMACR - J-Value Diff @ surface for Apr

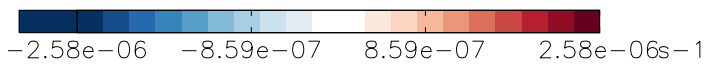
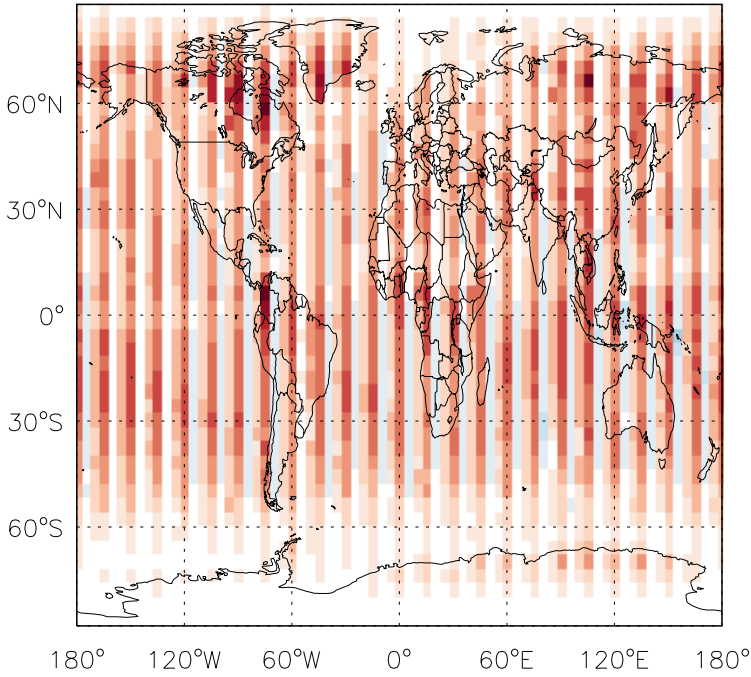


v11-01f-geosp-Run0 - v11-01b-Run0
JMACR - J-Value Diff @ 500 hPa for Apr

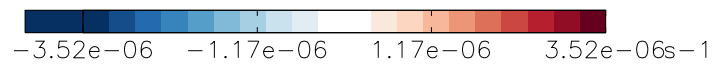
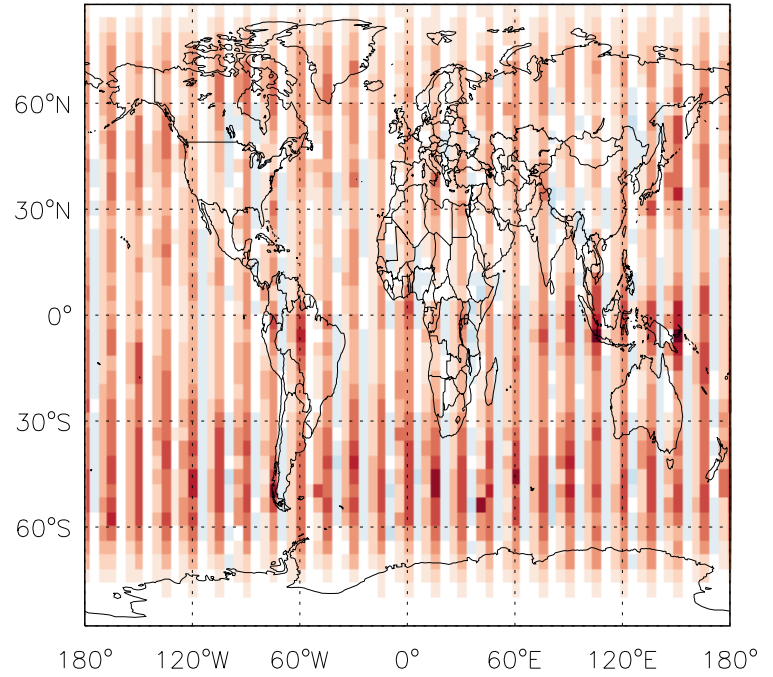


GEOS-Chem J-Values at surface and 500 hPa

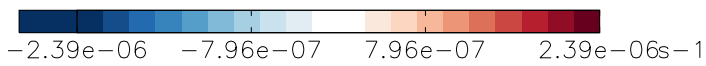
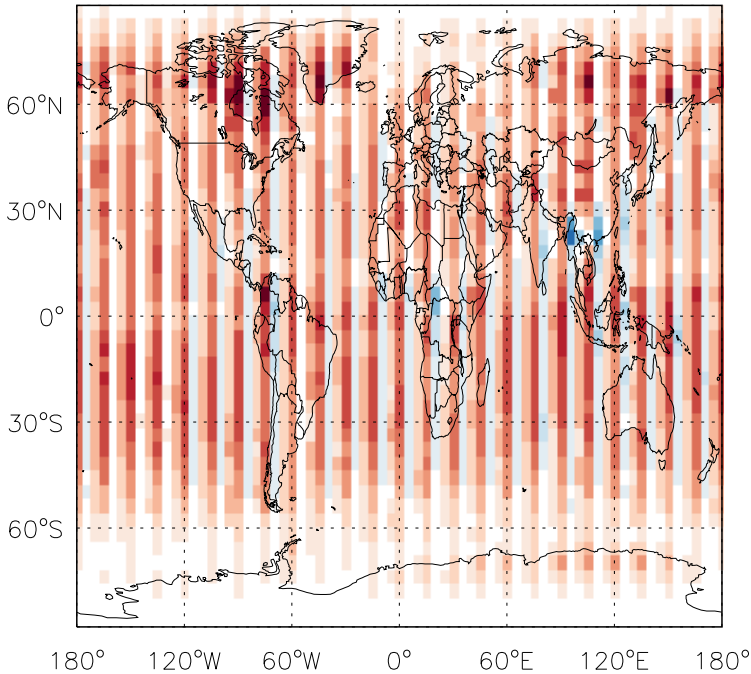
v11-01f-geosp-Run0 - v11-01d-Run1
JCH2O - J-Value Diff @ surface for Apr



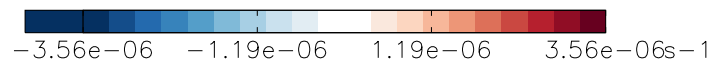
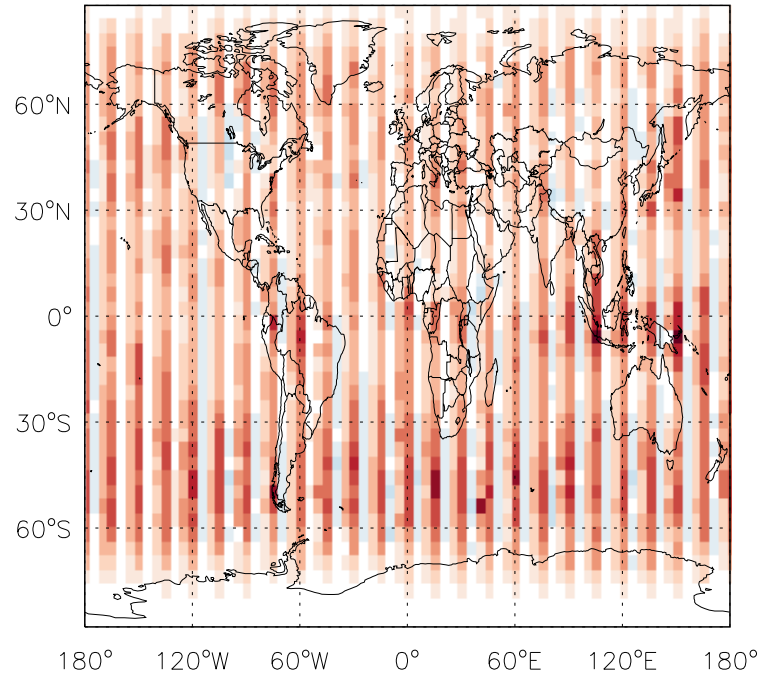
v11-01f-geosp-Run0 - v11-01d-Run1
JCH2O - J-Value Diff @ 500 hPa for Apr



v11-01f-geosp-Run0 - v11-01b-Run0
JCH2O - J-Value Diff @ surface for Apr

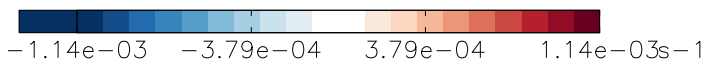
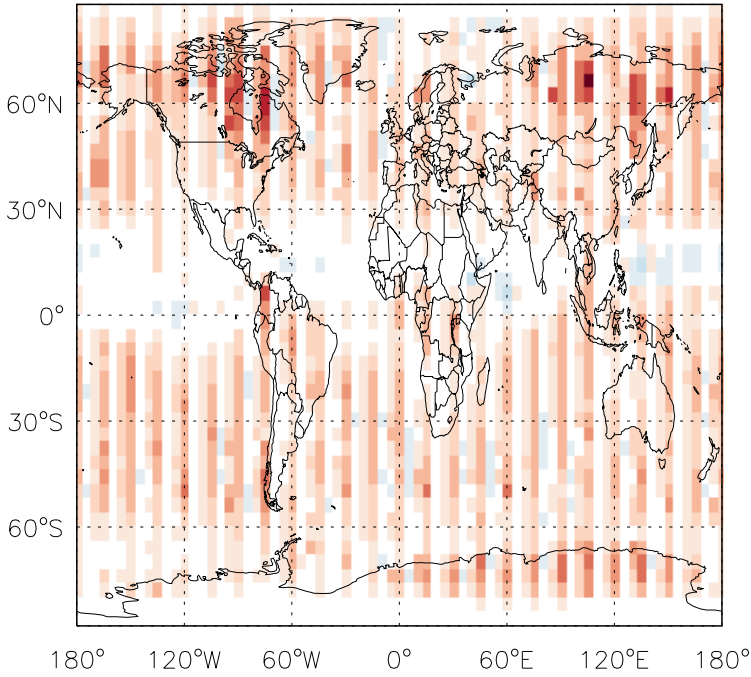


v11-01f-geosp-Run0 - v11-01b-Run0
JCH2O - J-Value Diff @ 500 hPa for Apr

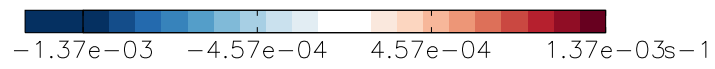
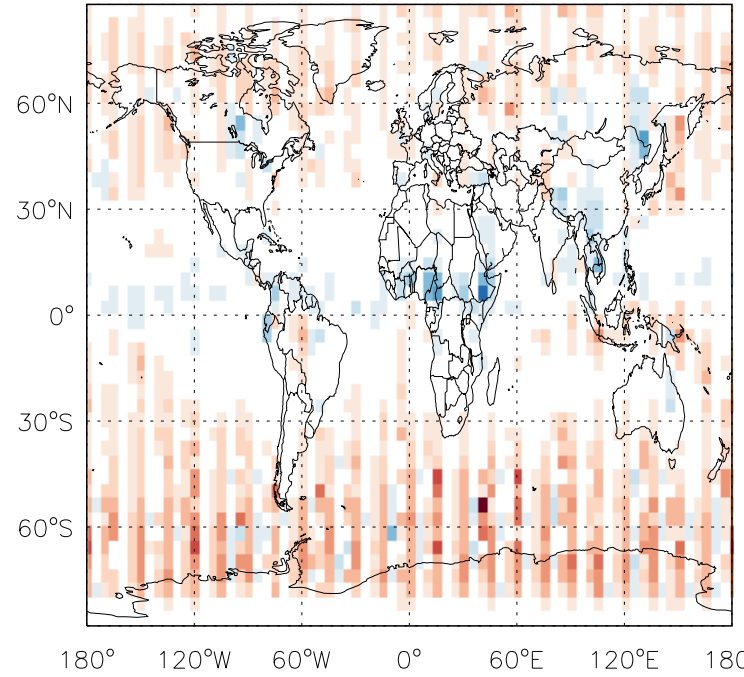


GEOS-Chem J-Values at surface and 500 hPa

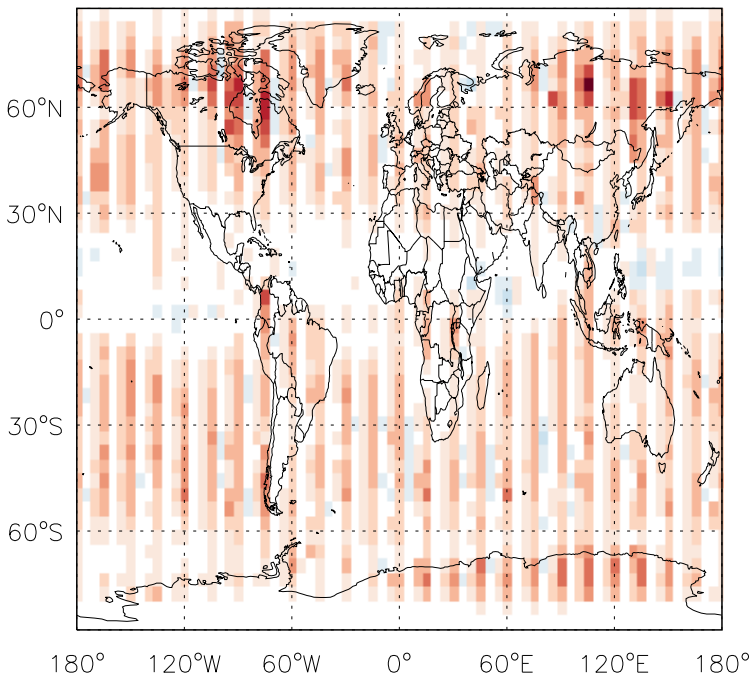
v11-01f-geosp-Run0 - v11-01d-Run1
JBr2 - J-Value Diff @ surface for Apr



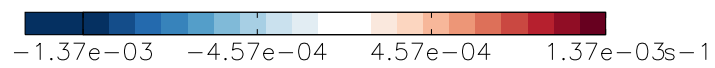
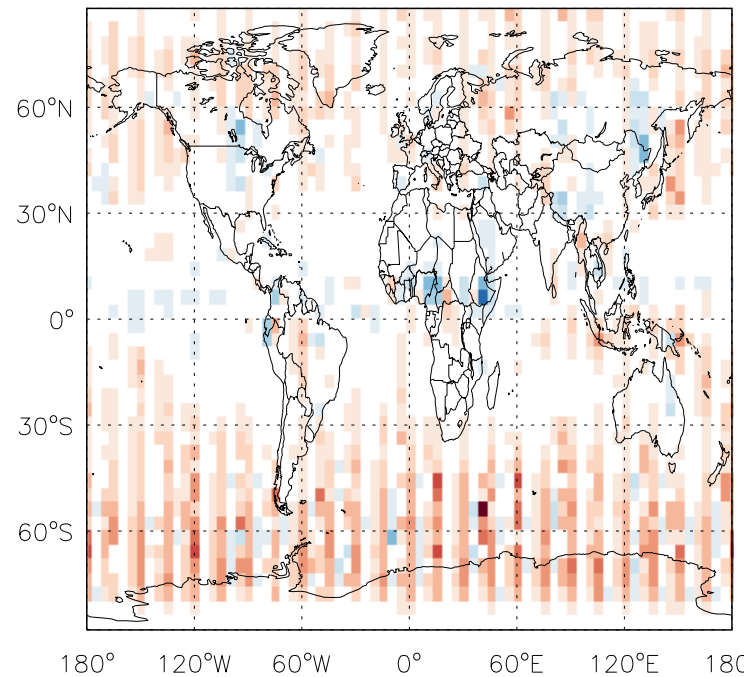
v11-01f-geosp-Run0 - v11-01d-Run1
JBr2 - J-Value Diff @ 500 hPa for Apr



v11-01f-geosp-Run0 - v11-01b-Run0
JBr2 - J-Value Diff @ surface for Apr

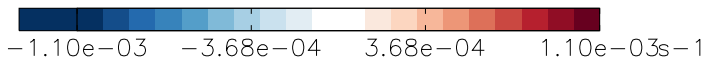
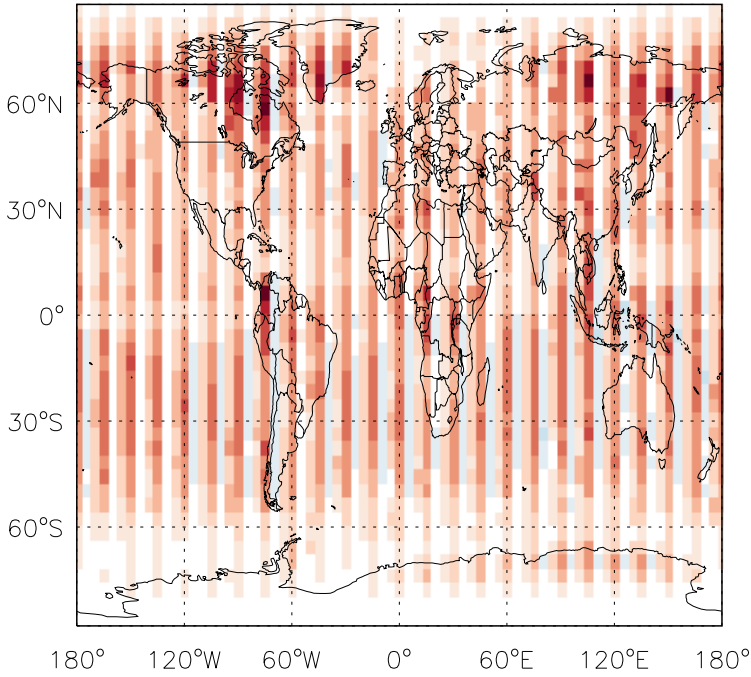


v11-01f-geosp-Run0 - v11-01b-Run0
JBr2 - J-Value Diff @ 500 hPa for Apr

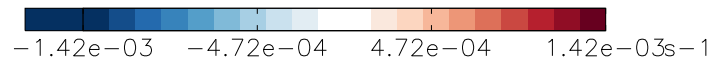
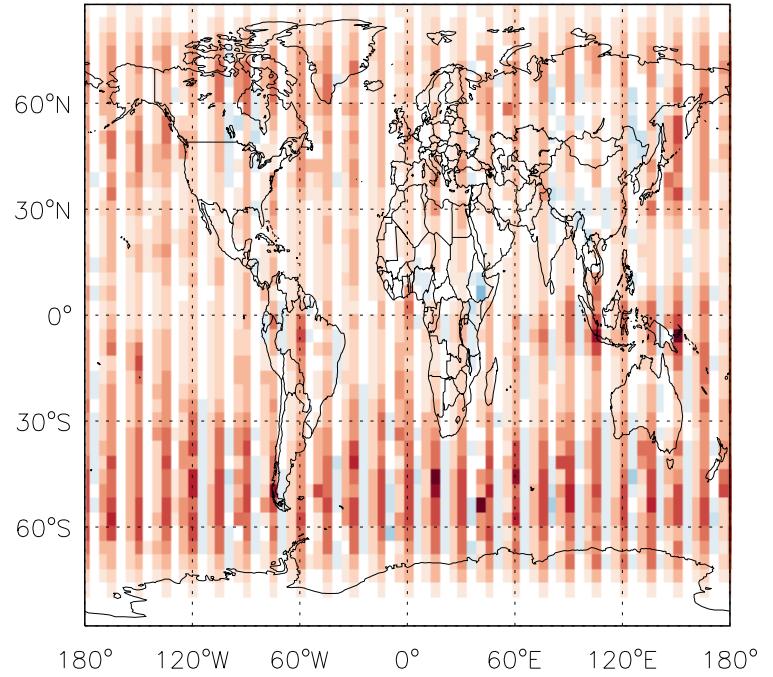


GEOS-Chem J-Values at surface and 500 hPa

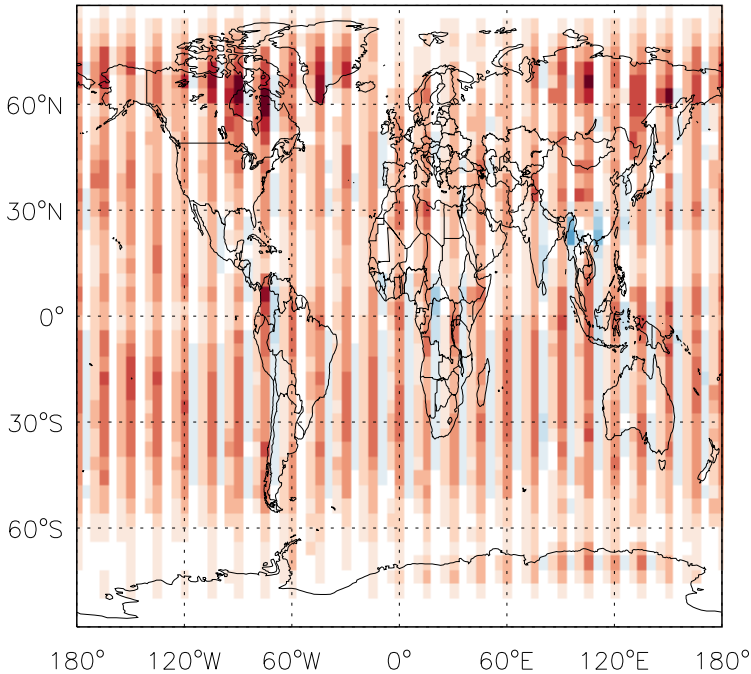
v11-01f-geosp-Run0 - v11-01d-Run1
JBrO - J-Value Diff @ surface for Apr



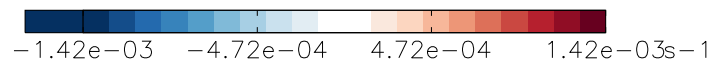
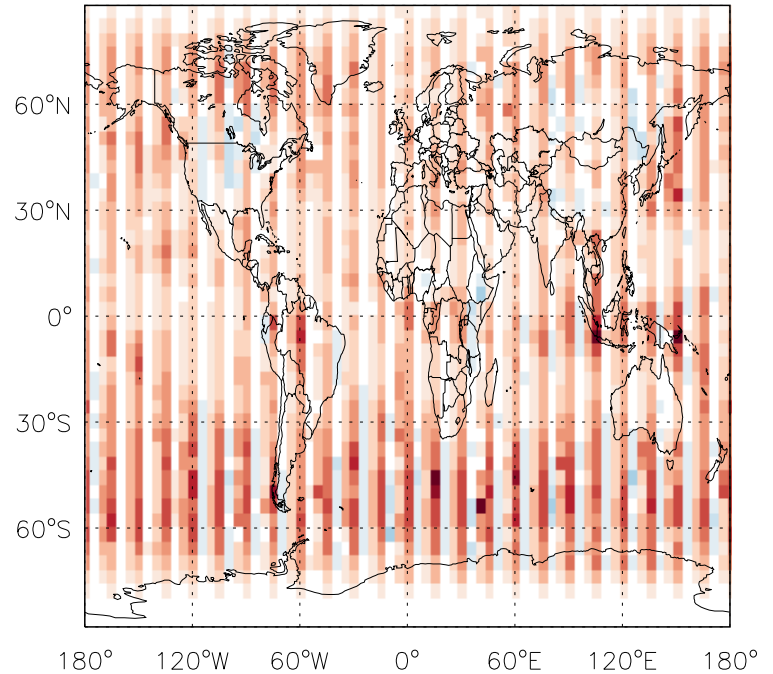
v11-01f-geosp-Run0 - v11-01d-Run1
JBrO - J-Value Diff @ 500 hPa for Apr



v11-01f-geosp-Run0 - v11-01b-Run0
JBrO - J-Value Diff @ surface for Apr

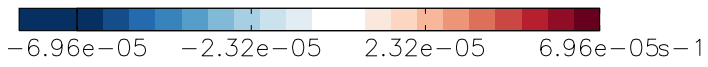
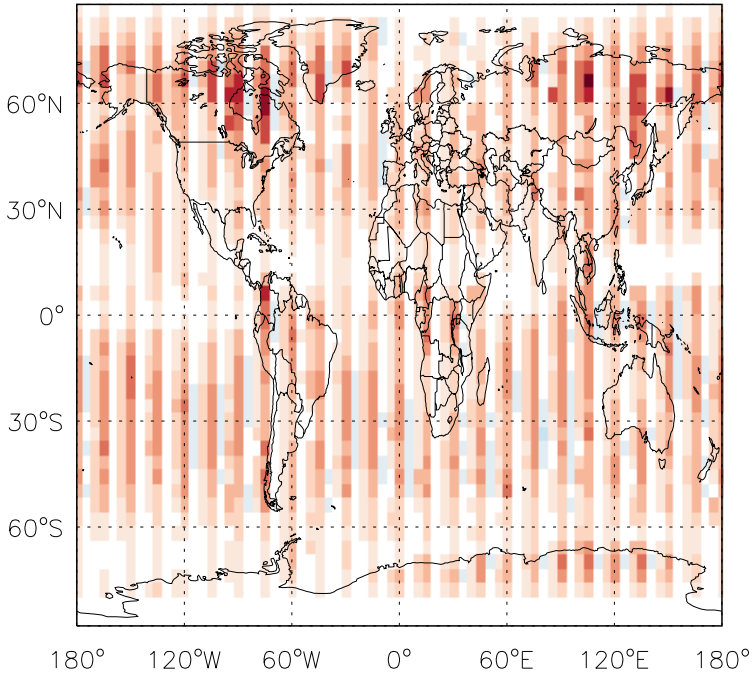


v11-01f-geosp-Run0 - v11-01b-Run0
JBrO - J-Value Diff @ 500 hPa for Apr

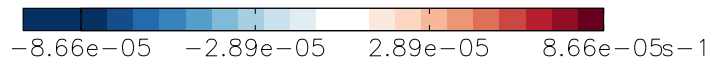
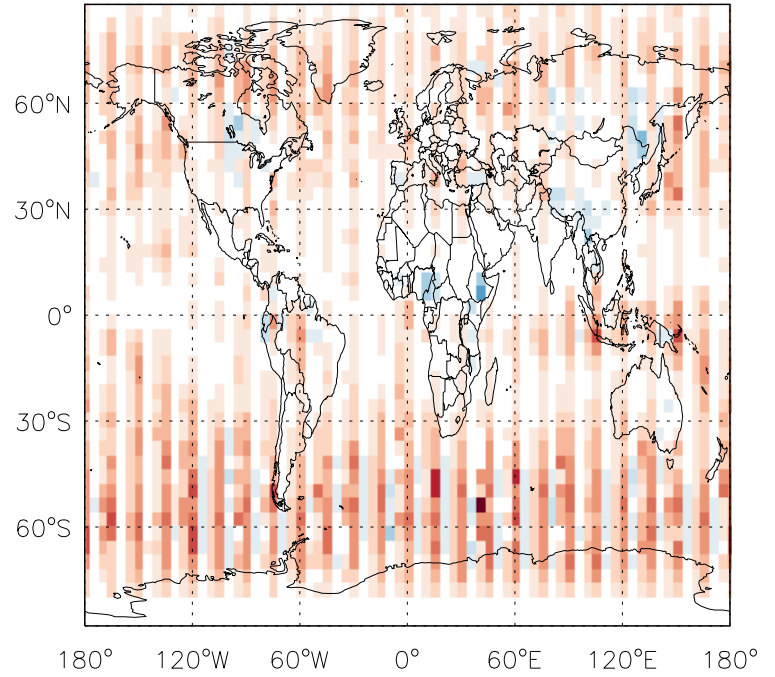


GEOS-Chem J-Values at surface and 500 hPa

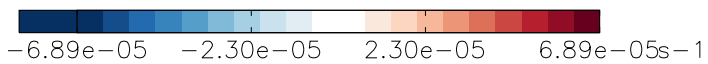
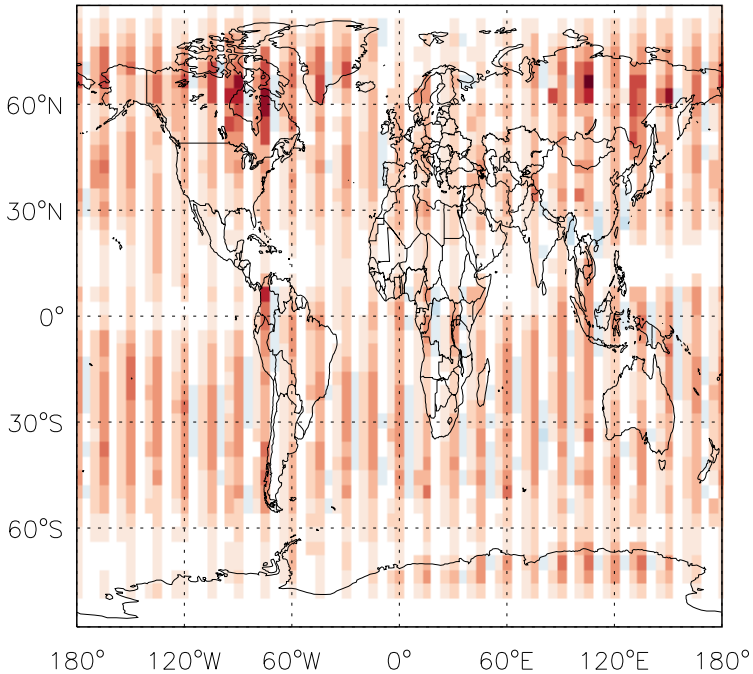
v11-01f-geosp-Run0 - v11-01d-Run1
JH0Br - J-Value Diff @ surface for Apr



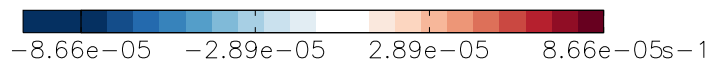
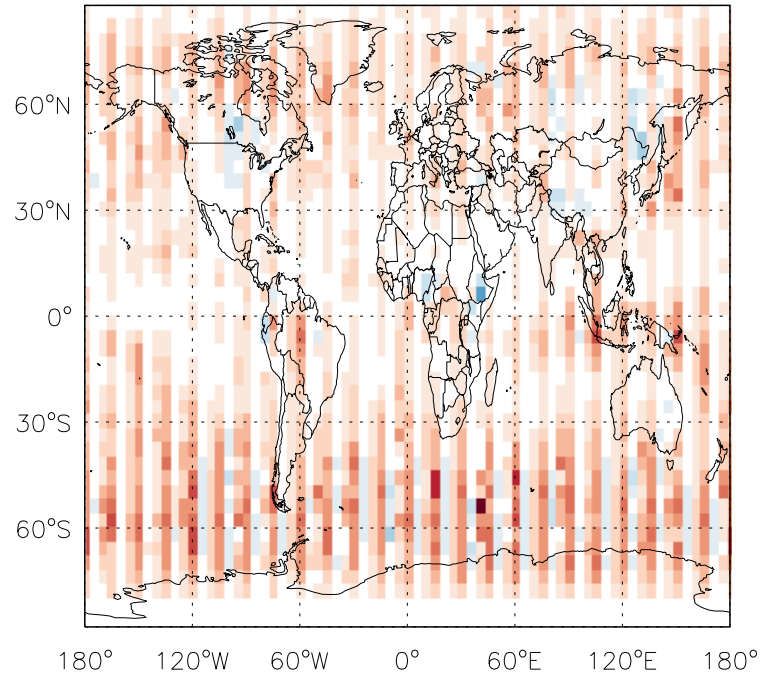
v11-01f-geosp-Run0 - v11-01d-Run1
JH0Br - J-Value Diff @ 500 hPa for Apr



v11-01f-geosp-Run0 - v11-01b-Run0
JH0Br - J-Value Diff @ surface for Apr

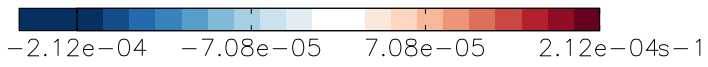
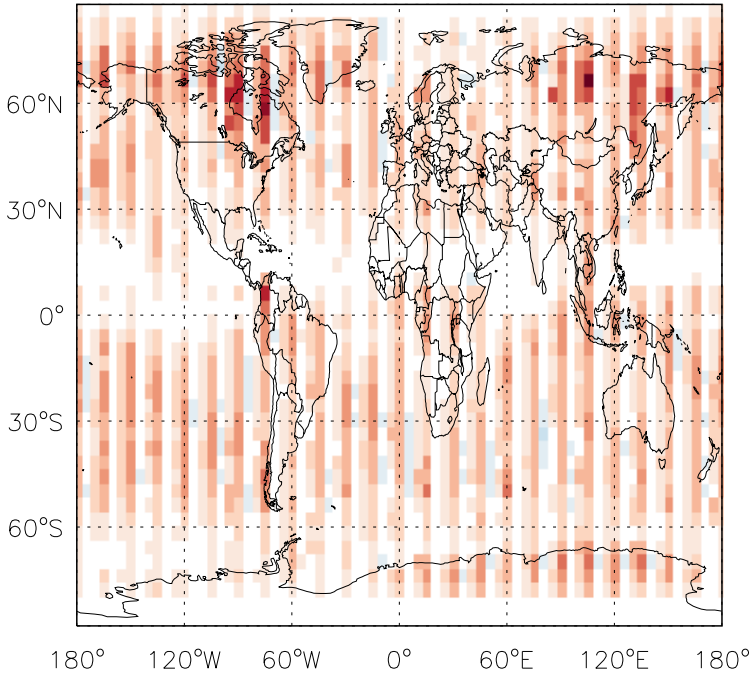


v11-01f-geosp-Run0 - v11-01b-Run0
JH0Br - J-Value Diff @ 500 hPa for Apr

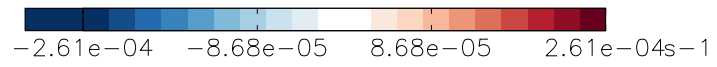
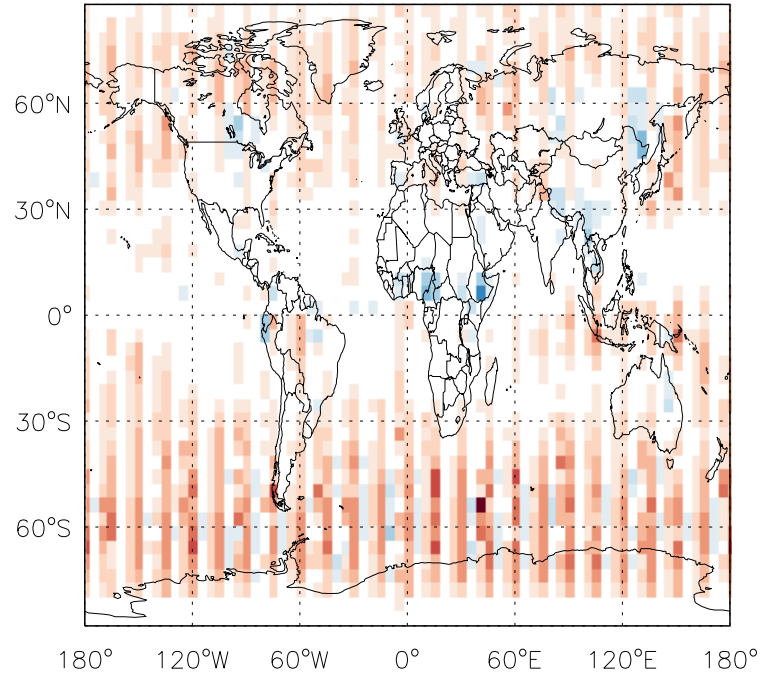


GEOS-Chem J-Values at surface and 500 hPa

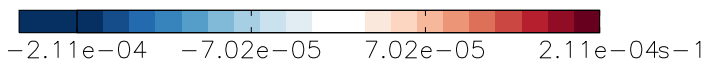
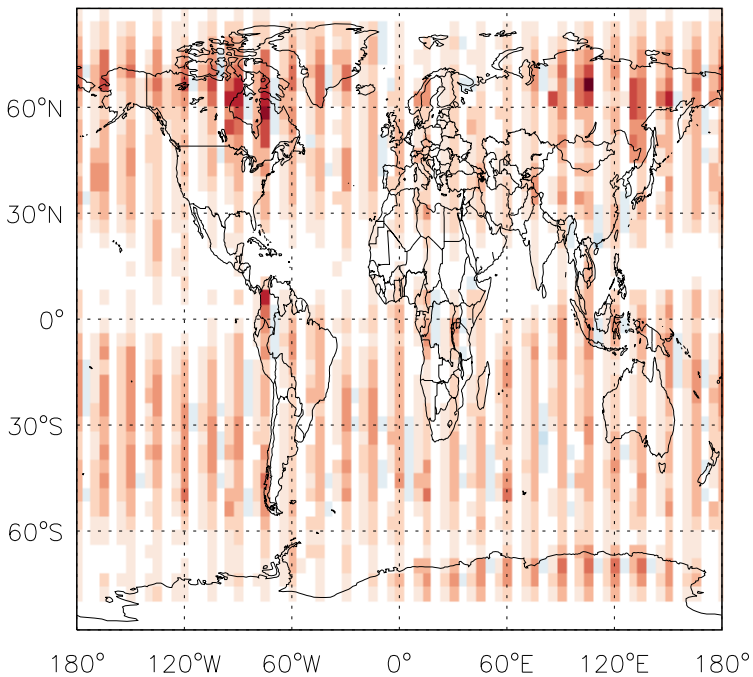
v11-01f-geosp-Run0 - v11-01d-Run1
JBrN02 - J-Value Diff @ surface for Apr



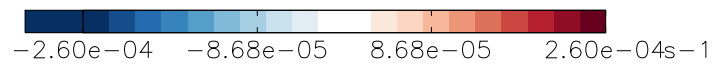
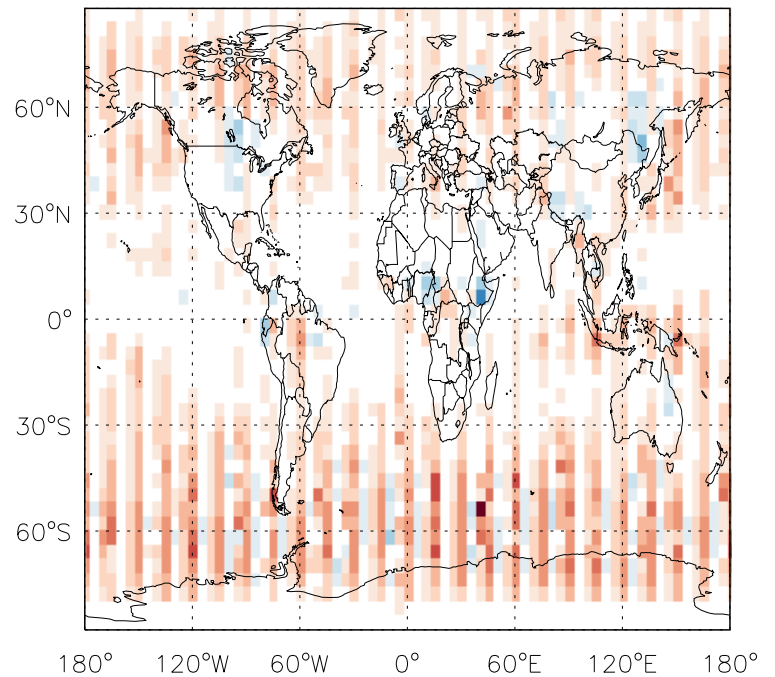
v11-01f-geosp-Run0 - v11-01d-Run1
JBrN02 - J-Value Diff @ 500 hPa for Apr



v11-01f-geosp-Run0 - v11-01b-Run0
JBrN02 - J-Value Diff @ surface for Apr

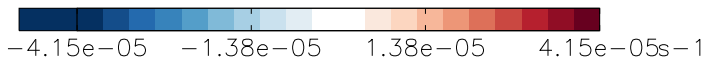
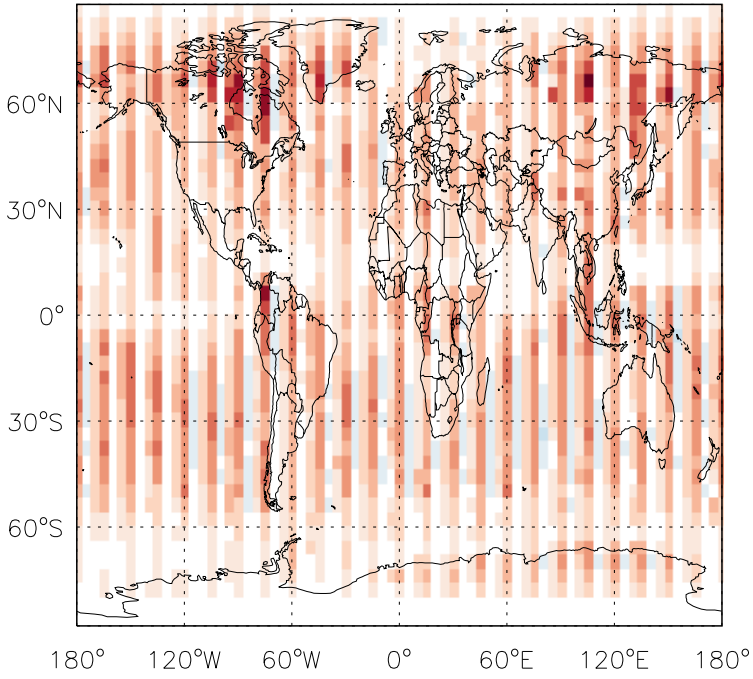


v11-01f-geosp-Run0 - v11-01b-Run0
JBrN02 - J-Value Diff @ 500 hPa for Apr

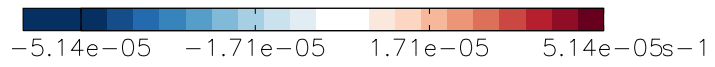
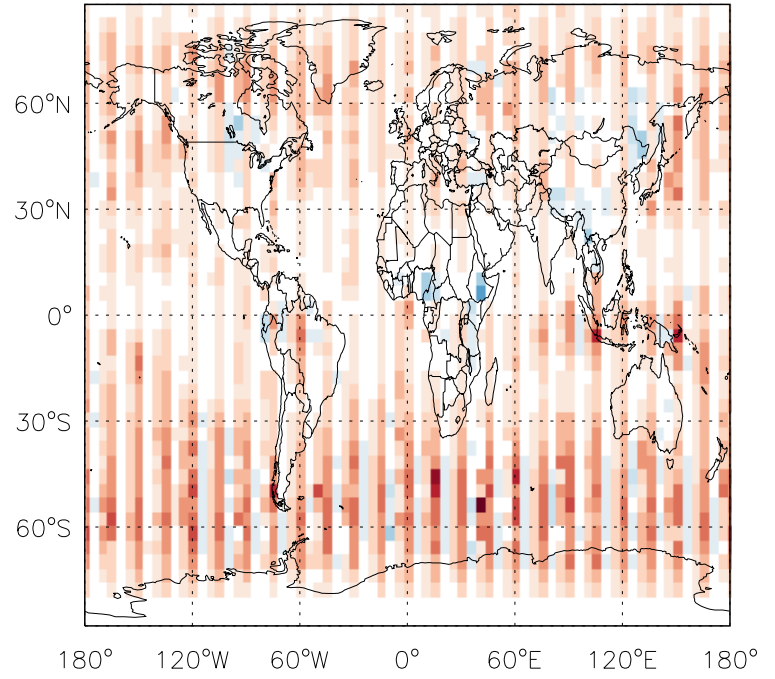


GEOS-Chem J-Values at surface and 500 hPa

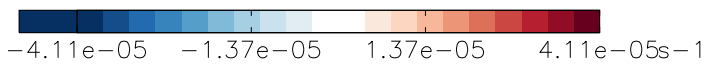
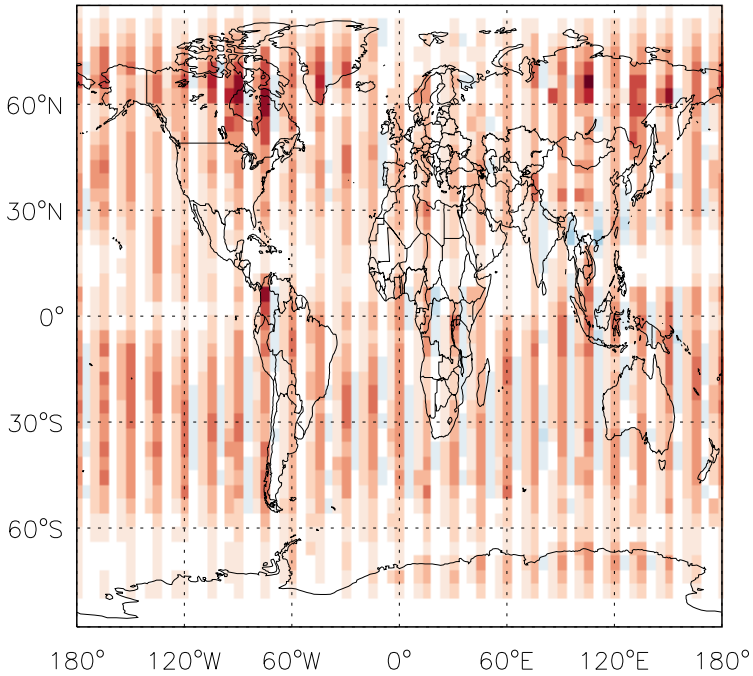
v11-01f-geosp-Run0 - v11-01d-Run1
JBrN03 - J-Value Diff @ surface for Apr



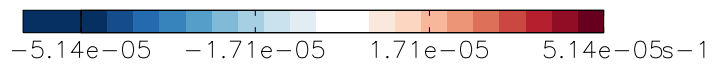
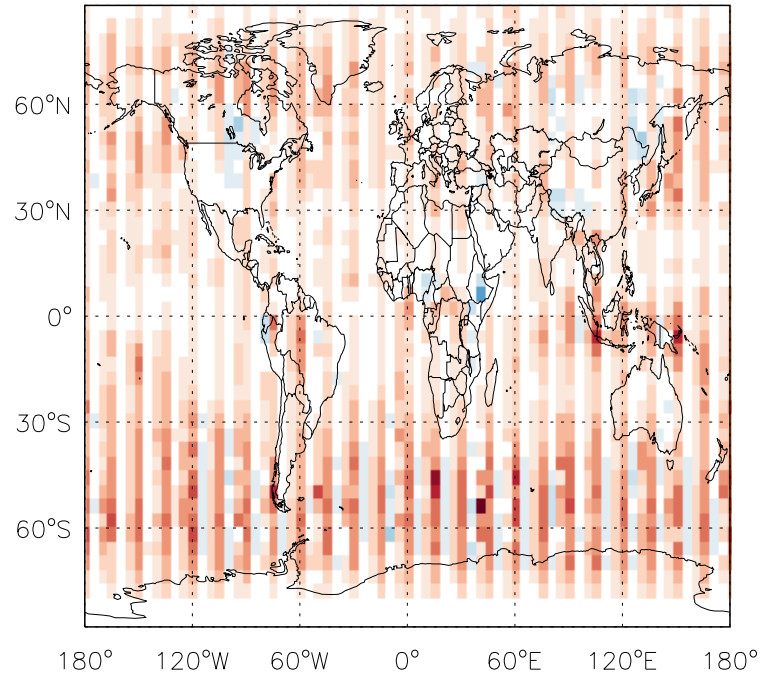
v11-01f-geosp-Run0 - v11-01d-Run1
JBrN03 - J-Value Diff @ 500 hPa for Apr



v11-01f-geosp-Run0 - v11-01b-Run0
JBrN03 - J-Value Diff @ surface for Apr

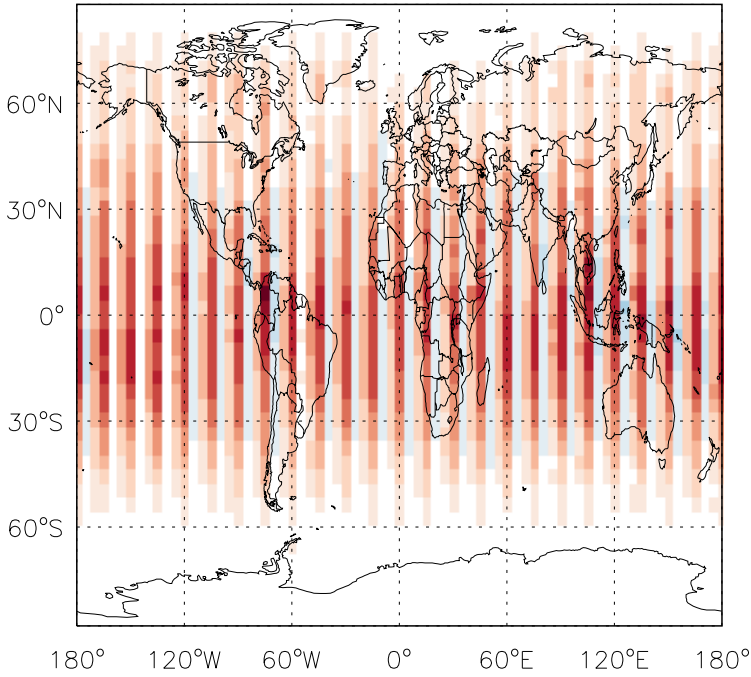


v11-01f-geosp-Run0 - v11-01b-Run0
JBrN03 - J-Value Diff @ 500 hPa for Apr

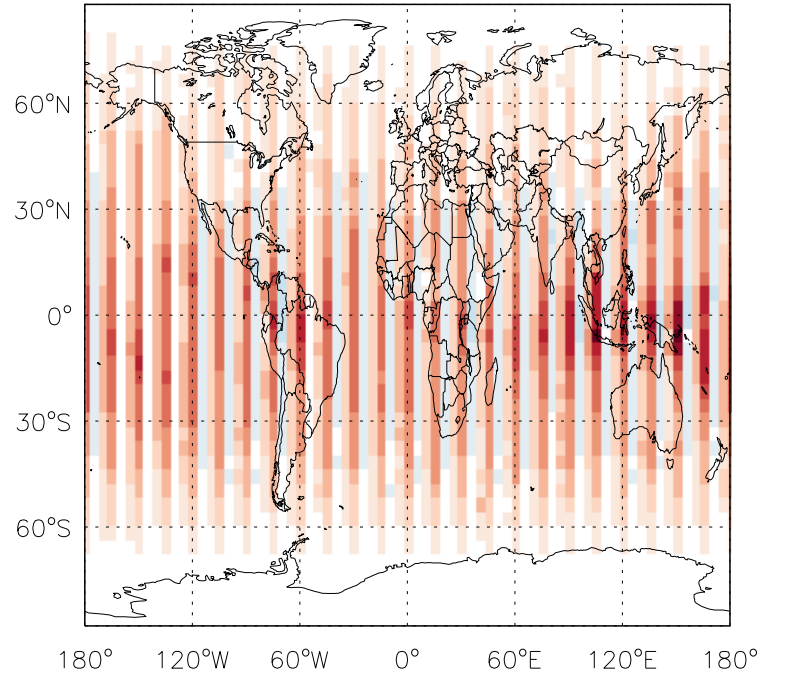


GEOS-Chem J-Values at surface and 500 hPa

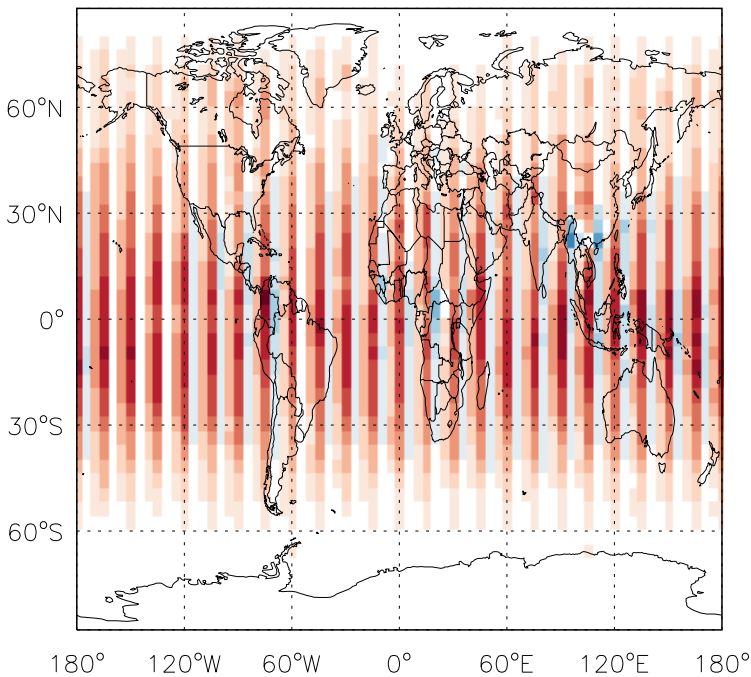
v11-01f-geosp-Run0 - v11-01d-Run1
JCHBr3 - J-Value Diff @ surface for Apr



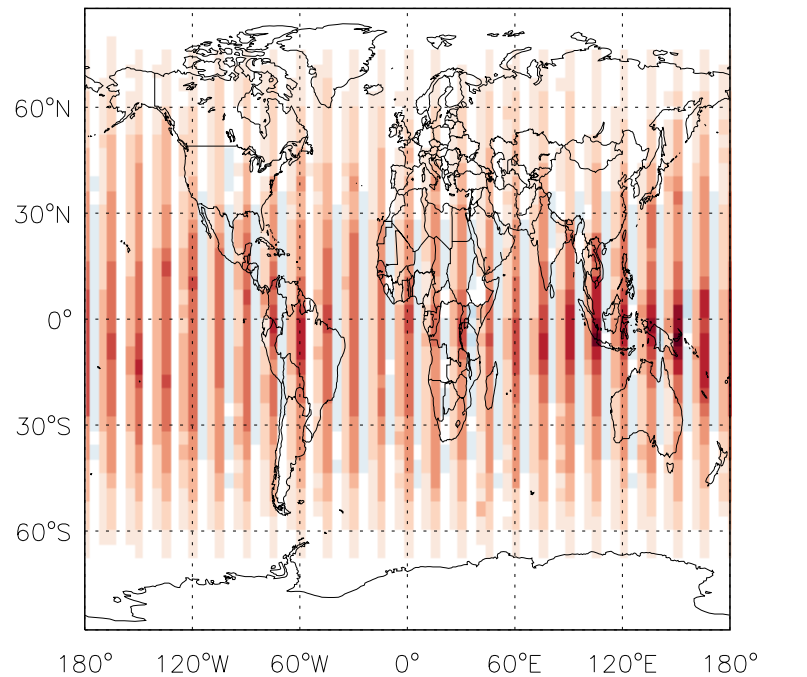
v11-01f-geosp-Run0 - v11-01d-Run1
JCHBr3 - J-Value Diff @ 500 hPa for Apr



v11-01f-geosp-Run0 - v11-01b-Run0
JCHBr3 - J-Value Diff @ surface for Apr



v11-01f-geosp-Run0 - v11-01b-Run0
JCHBr3 - J-Value Diff @ 500 hPa for Apr

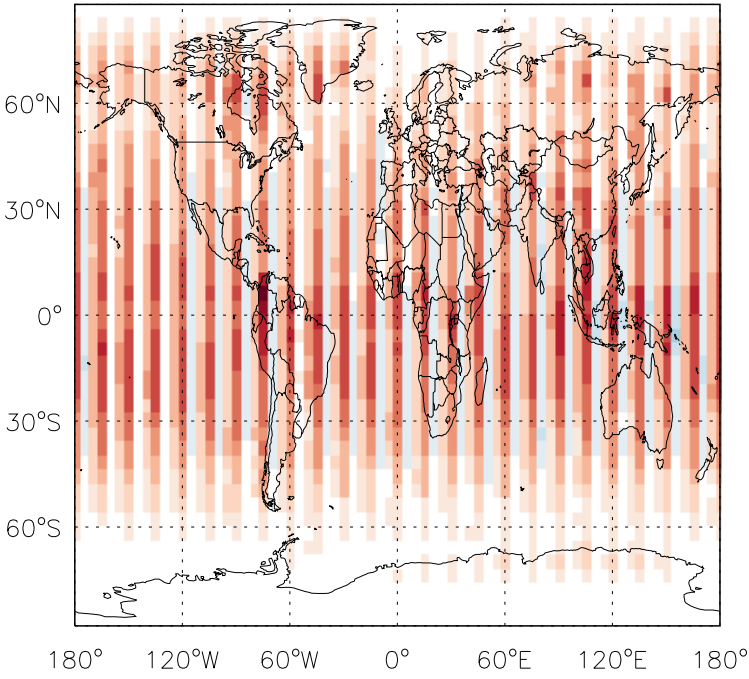


-6.05×10^{-8} -2.02×10^{-8} 2.02×10^{-8} $6.05 \times 10^{-8} \text{ s}^{-1}$

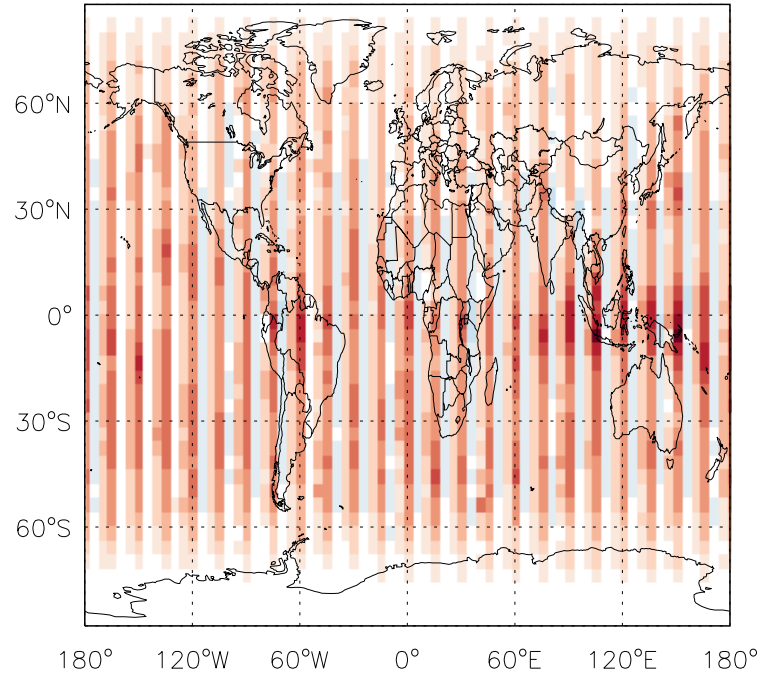
-8.46×10^{-8} -2.82×10^{-8} 2.82×10^{-8} $8.46 \times 10^{-8} \text{ s}^{-1}$

GEOS-Chem J-Values at surface and 500 hPa

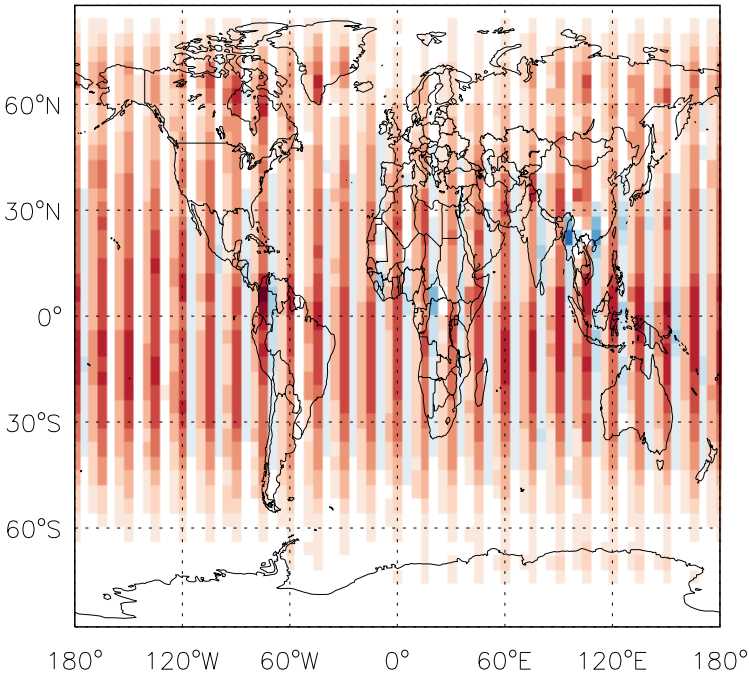
v11-01f-geosp-Run0 - v11-01d-Run1
JHAC - J-Value Diff @ surface for Apr



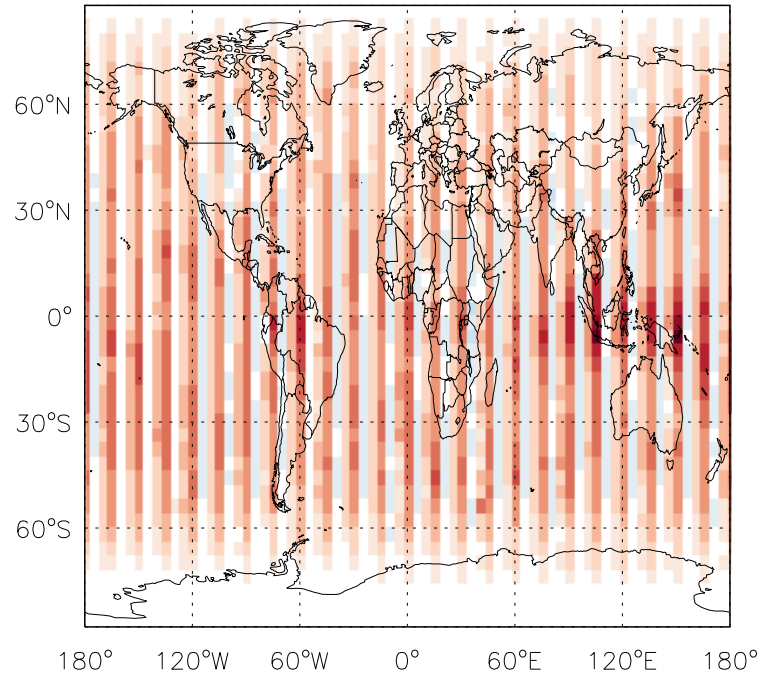
v11-01f-geosp-Run0 - v11-01d-Run1
JHAC - J-Value Diff @ 500 hPa for Apr



v11-01f-geosp-Run0 - v11-01b-Run0
JHAC - J-Value Diff @ surface for Apr



v11-01f-geosp-Run0 - v11-01b-Run0
JHAC - J-Value Diff @ 500 hPa for Apr

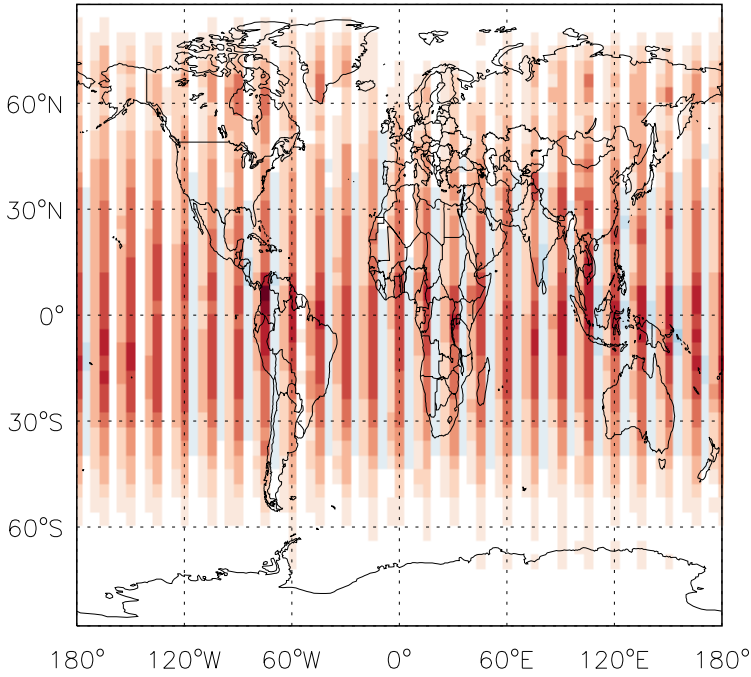


-7.41×10^{-8} -2.47×10^{-8} 2.47×10^{-8} $7.41 \times 10^{-8} \text{ s}^{-1}$

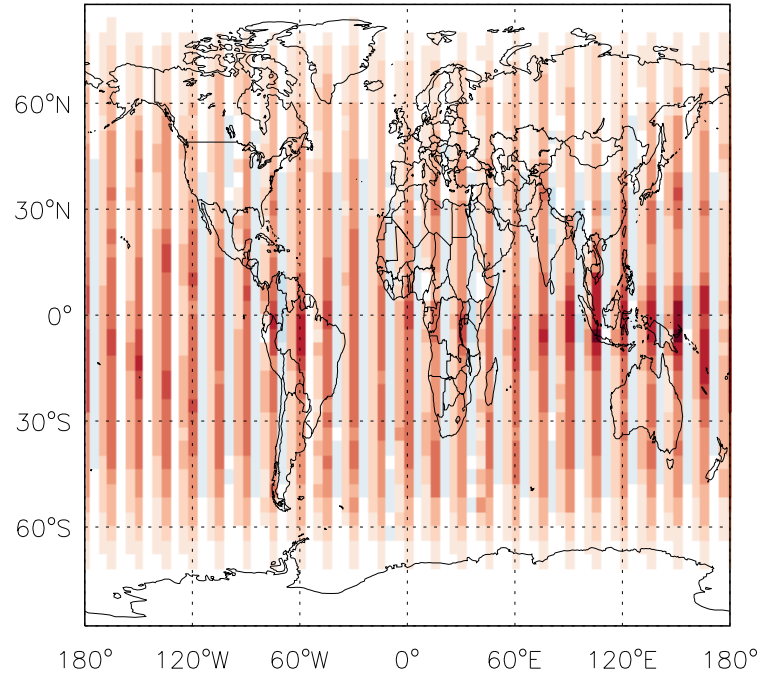
-1.22×10^{-7} -4.07×10^{-8} 4.07×10^{-8} $1.22 \times 10^{-7} \text{ s}^{-1}$

GEOS-Chem J-Values at surface and 500 hPa

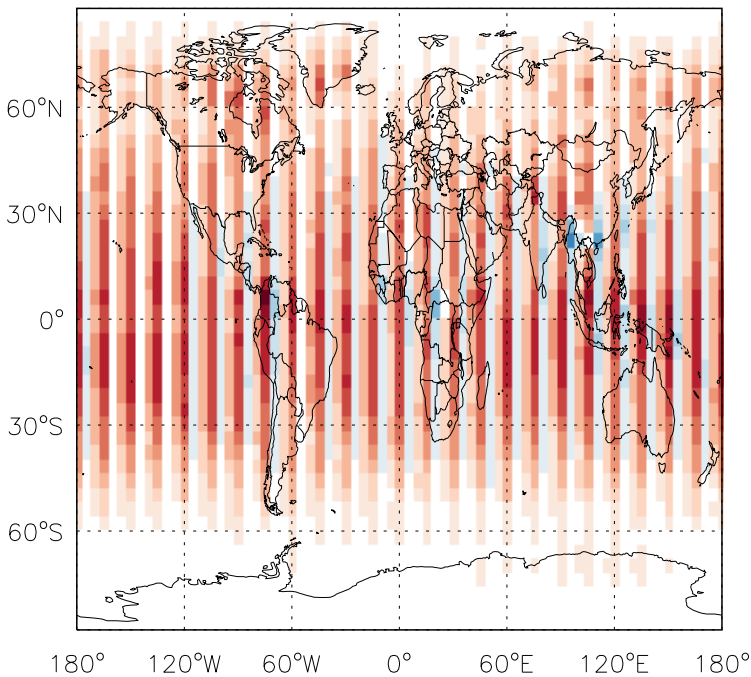
v11-01f-geosp-Run0 - v11-01d-Run1
JGLYC - J-Value Diff @ surface for Apr



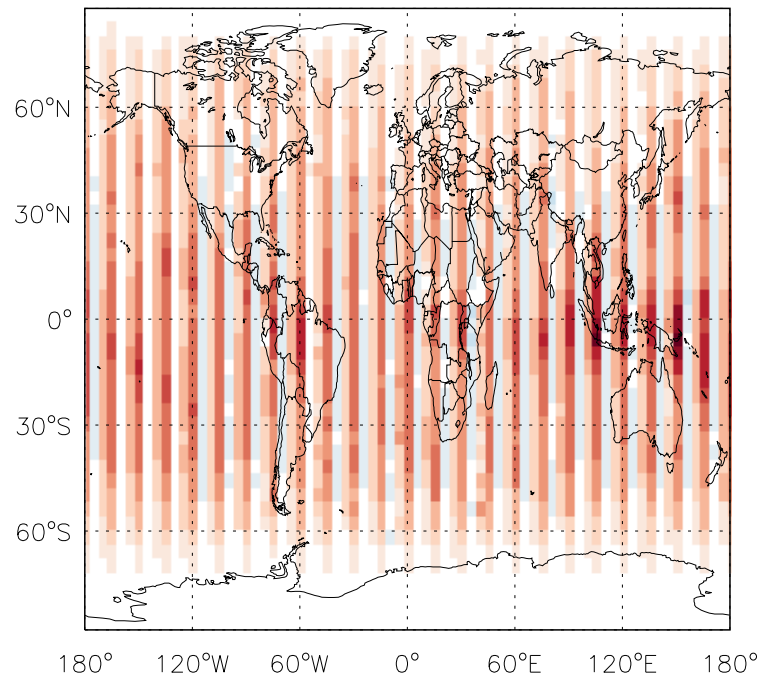
v11-01f-geosp-Run0 - v11-01d-Run1
JGLYC - J-Value Diff @ 500 hPa for Apr



v11-01f-geosp-Run0 - v11-01b-Run0
JGLYC - J-Value Diff @ surface for Apr



v11-01f-geosp-Run0 - v11-01b-Run0
JGLYC - J-Value Diff @ 500 hPa for Apr

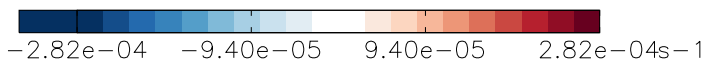
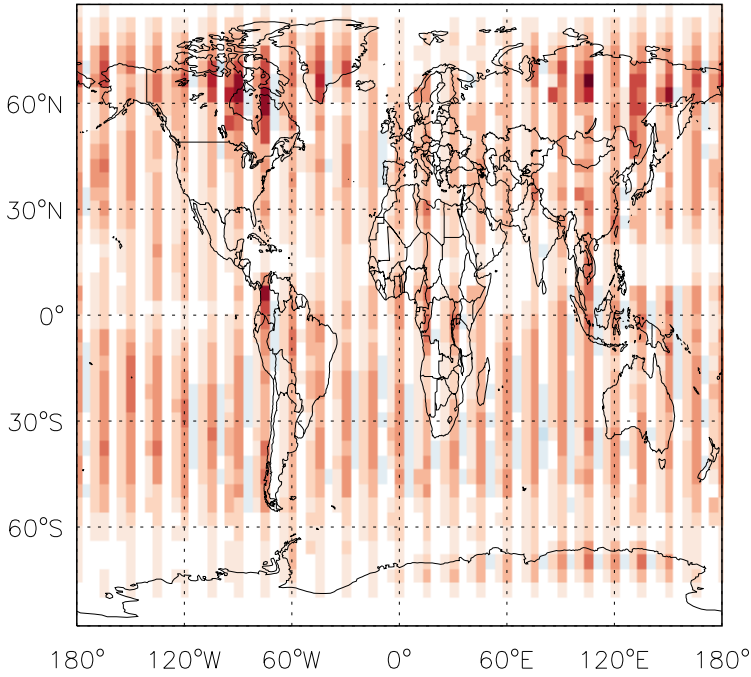


-4.61×10^{-7} -1.54×10^{-7} 1.54×10^{-7} $4.61 \times 10^{-7} \text{ s}^{-1}$

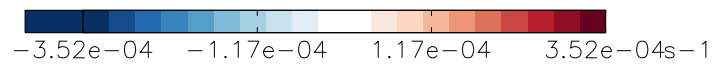
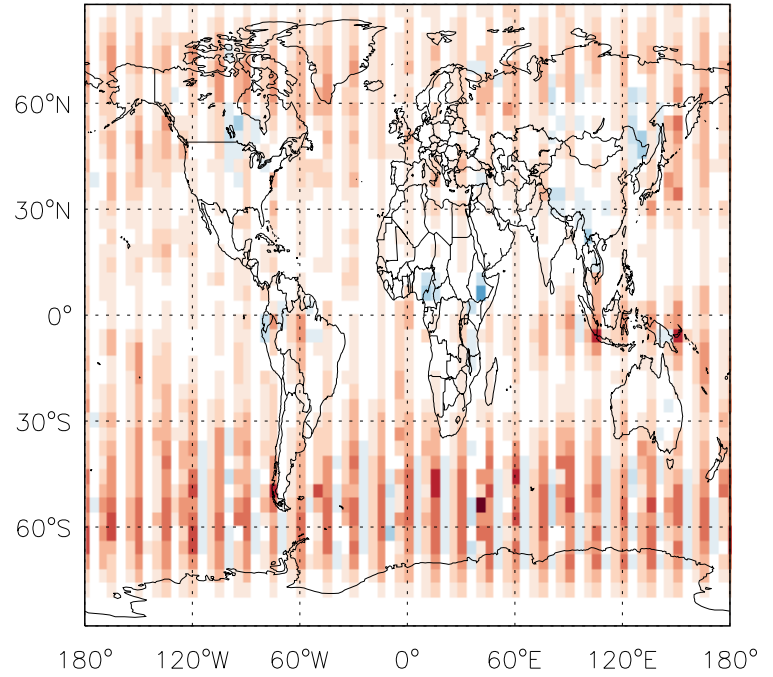
-7.79×10^{-7} -2.60×10^{-7} 2.60×10^{-7} $7.79 \times 10^{-7} \text{ s}^{-1}$

GEOS-Chem J-Values at surface and 500 hPa

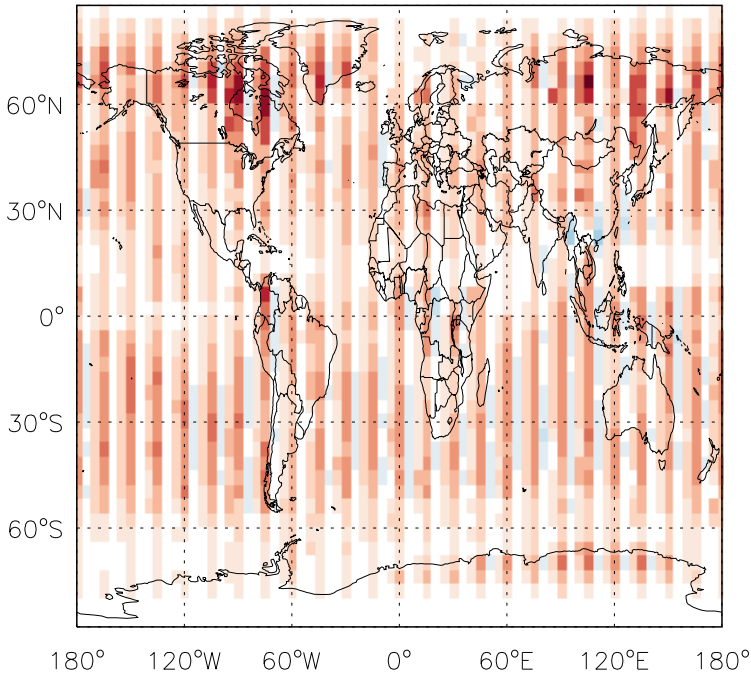
v11-01f-geosp-Run0 - v11-01d-Run1
JNO2 - J-Value Diff @ surface for Apr



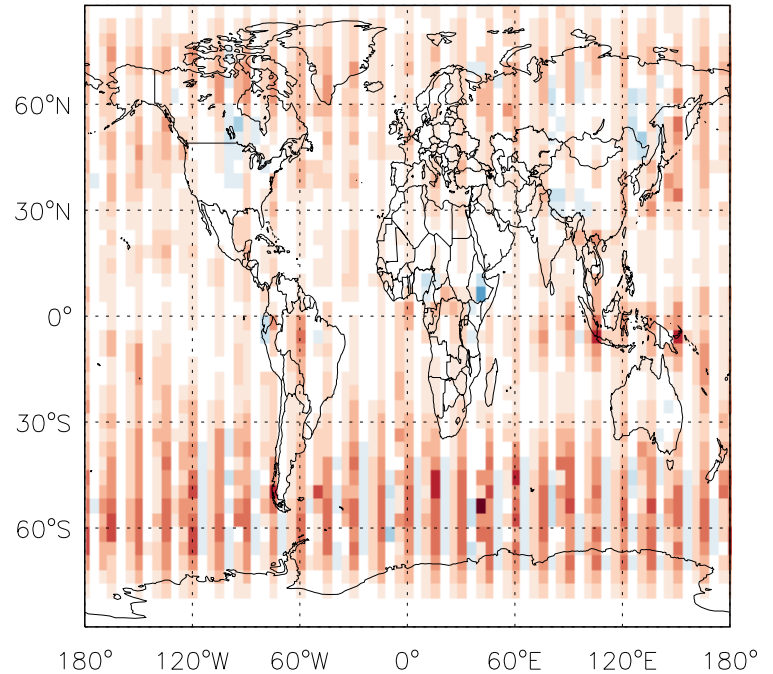
v11-01f-geosp-Run0 - v11-01d-Run1
JNO2 - J-Value Diff @ 500 hPa for Apr



v11-01f-geosp-Run0 - v11-01b-Run0
JNO2 - J-Value Diff @ surface for Apr

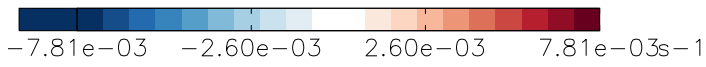
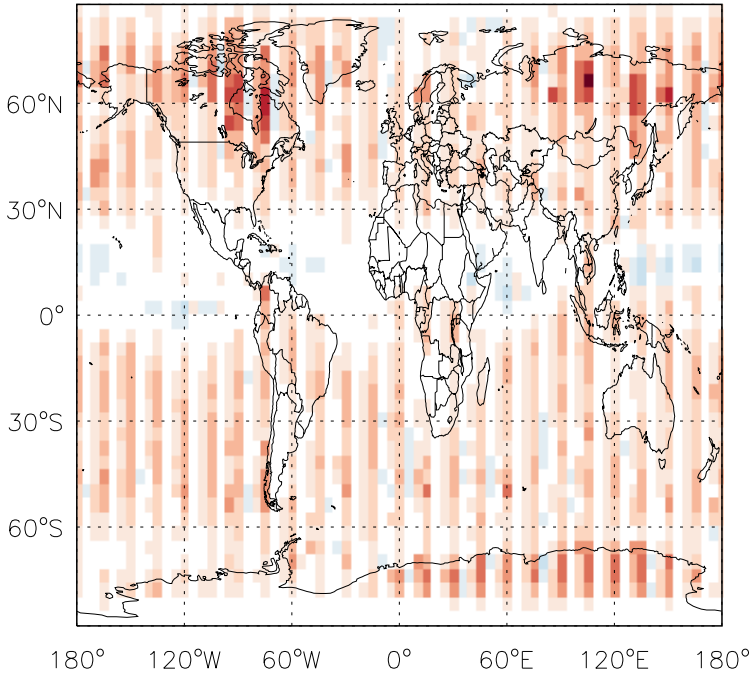


v11-01f-geosp-Run0 - v11-01b-Run0
JNO2 - J-Value Diff @ 500 hPa for Apr

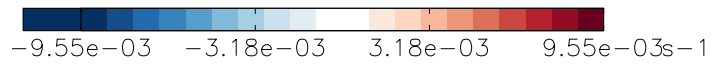
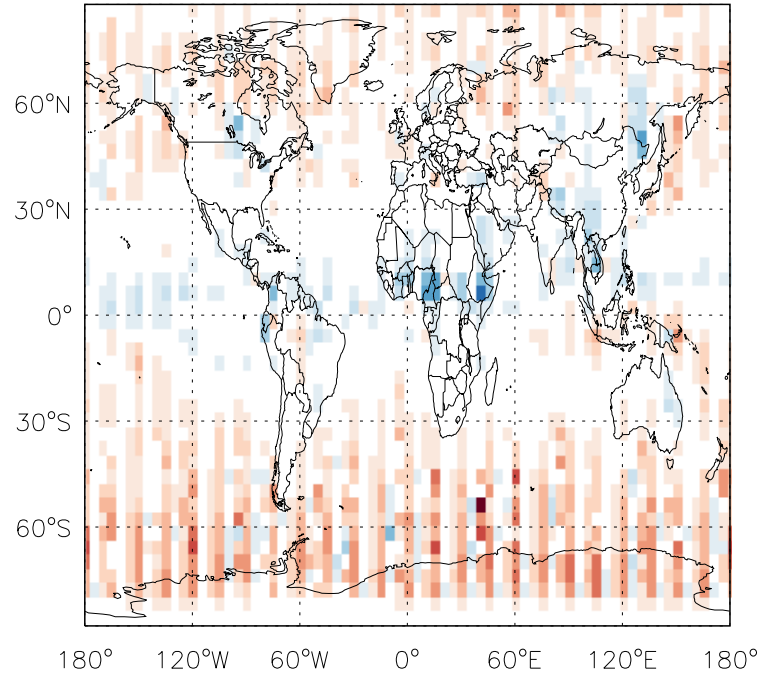


GEOS-Chem J-Values at surface and 500 hPa

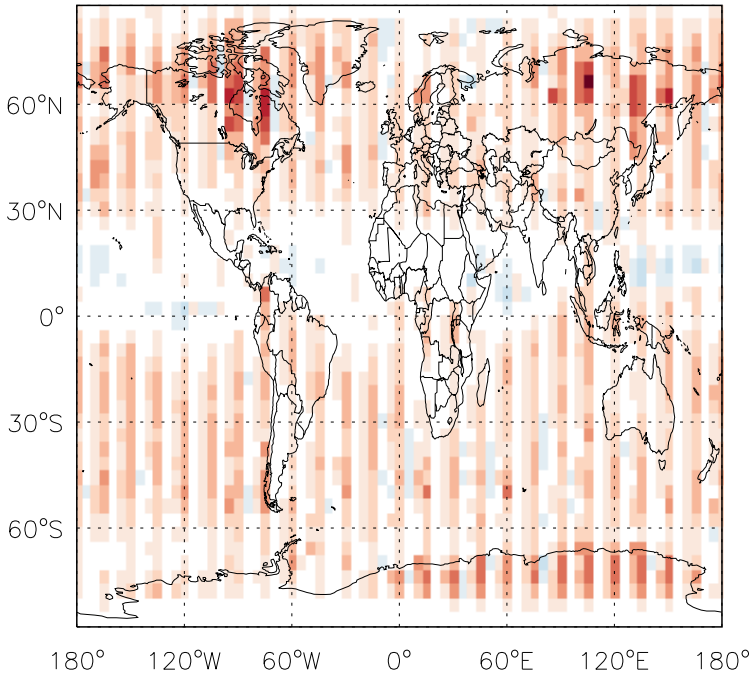
v11-01f-geosp-Run0 - v11-01d-Run1
JNO3 - J-Value Diff @ surface for Apr



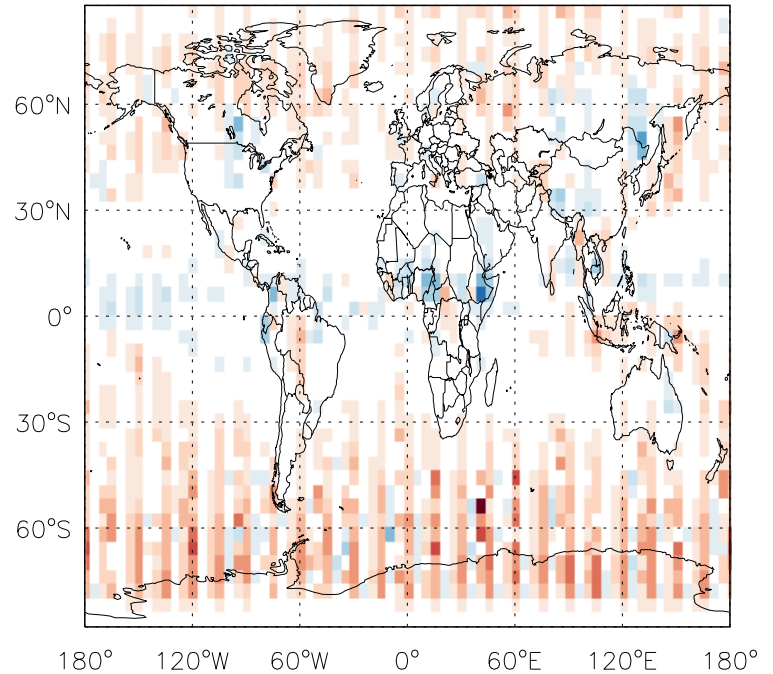
v11-01f-geosp-Run0 - v11-01d-Run1
JNO3 - J-Value Diff @ 500 hPa for Apr



v11-01f-geosp-Run0 - v11-01b-Run0
JNO3 - J-Value Diff @ surface for Apr

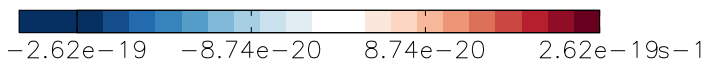
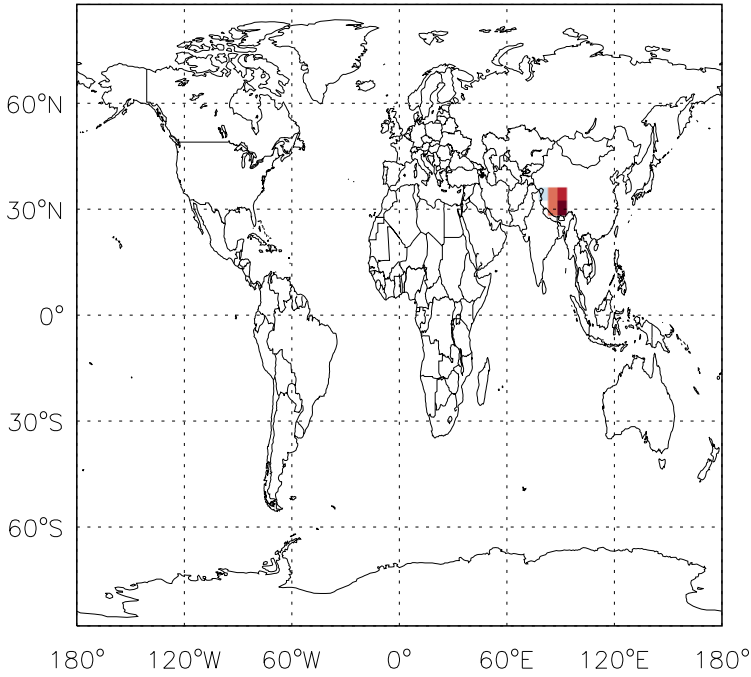


v11-01f-geosp-Run0 - v11-01b-Run0
JNO3 - J-Value Diff @ 500 hPa for Apr

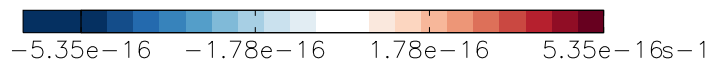
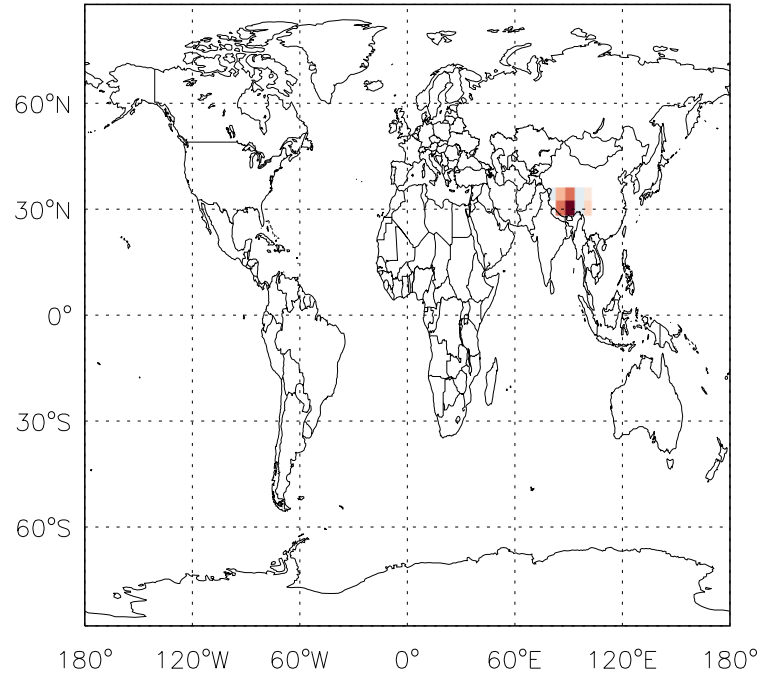


GEOS-Chem J-Values at surface and 500 hPa

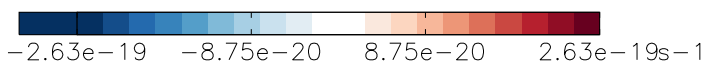
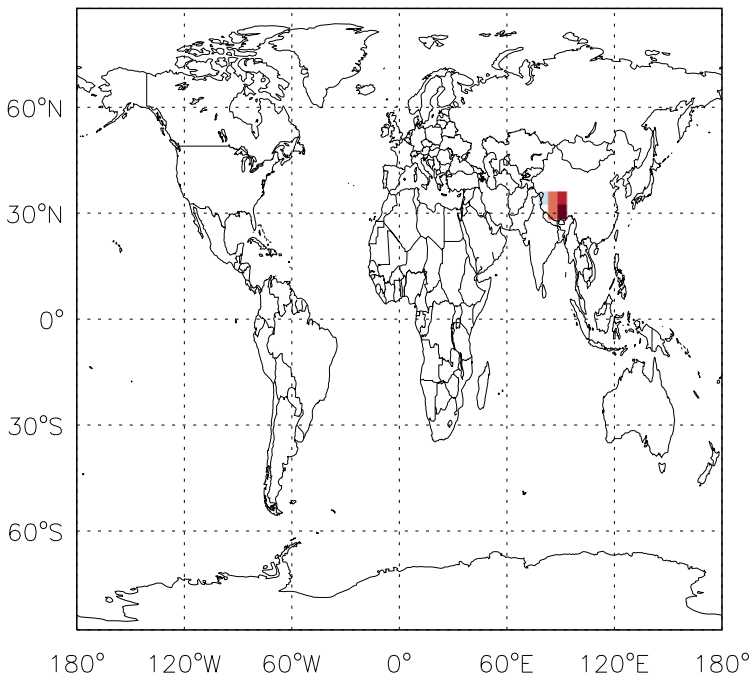
v11-01f-geosp-Run0 - v11-01d-Run1
JN20 - J-Value Diff @ surface for Apr



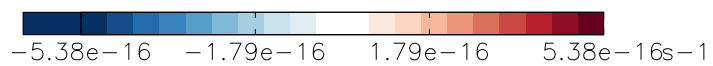
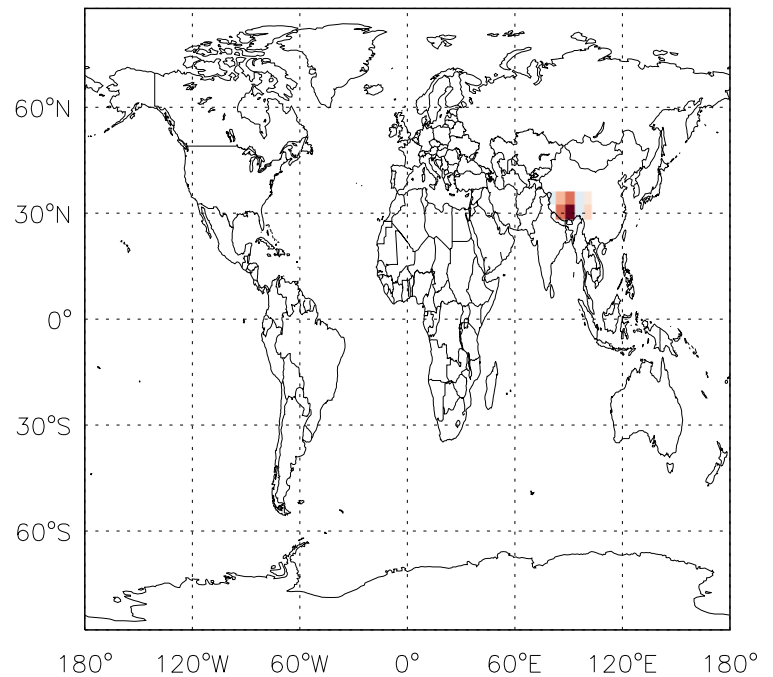
v11-01f-geosp-Run0 - v11-01d-Run1
JN20 - J-Value Diff @ 500 hPa for Apr



v11-01f-geosp-Run0 - v11-01b-Run0
JN20 - J-Value Diff @ surface for Apr

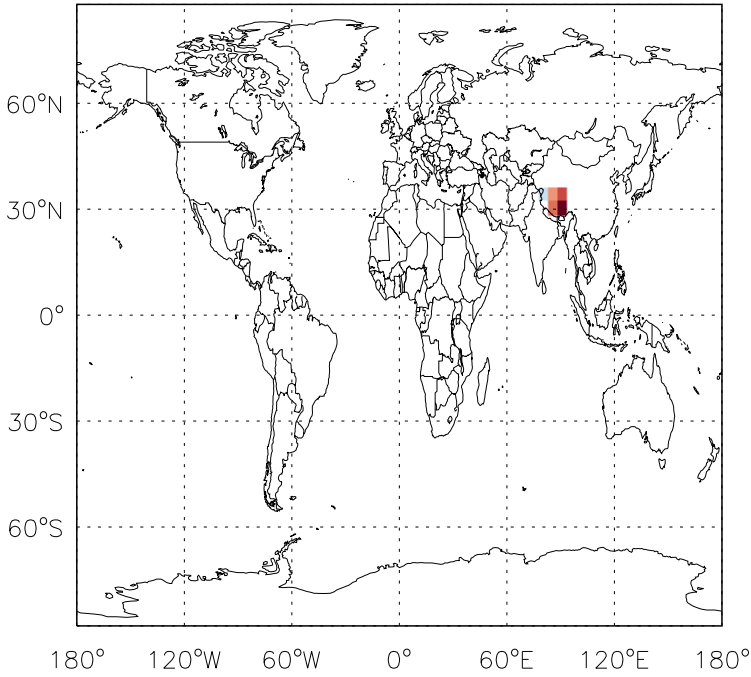


v11-01f-geosp-Run0 - v11-01b-Run0
JN20 - J-Value Diff @ 500 hPa for Apr

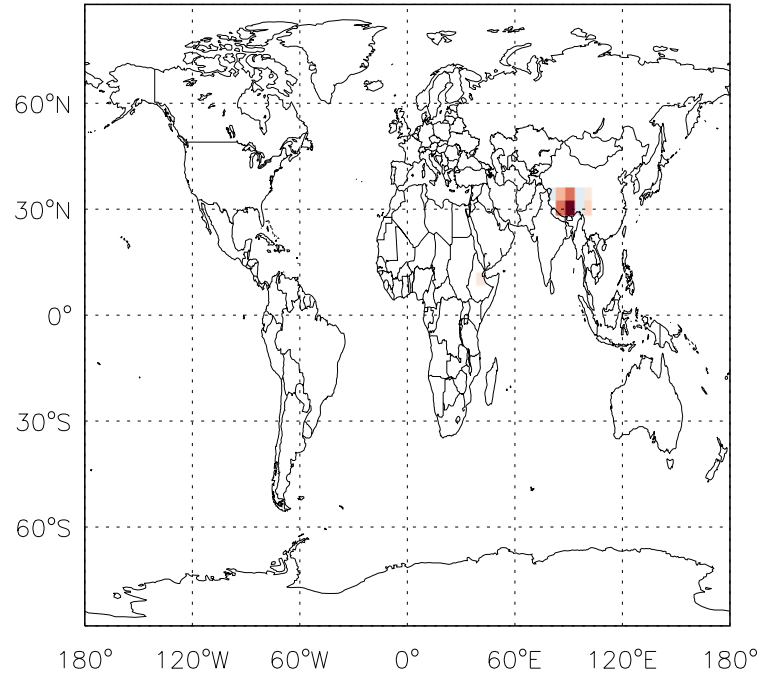


GEOS-Chem J-Values at surface and 500 hPa

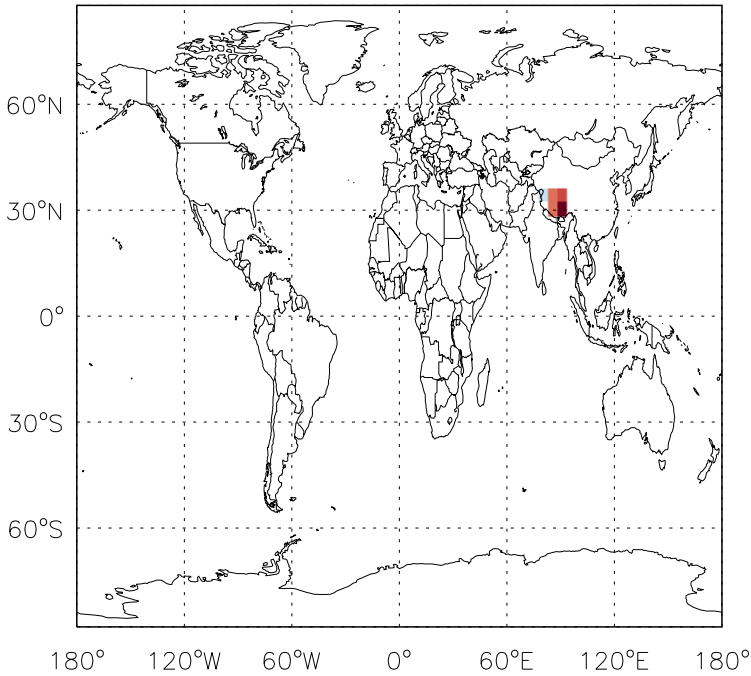
v11-01f-geosp-Run0 - v11-01d-Run1
JCCI4 - J-Value Diff @ surface for Apr



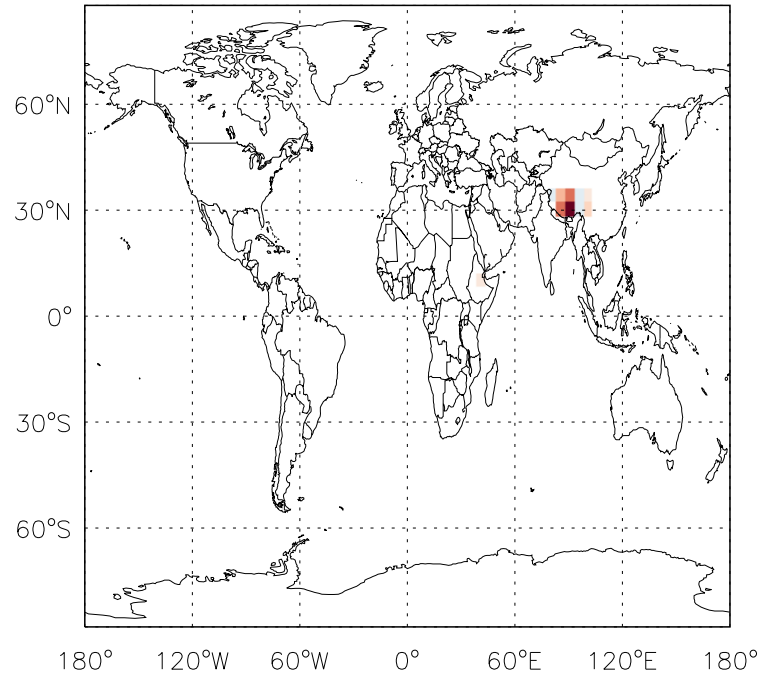
v11-01f-geosp-Run0 - v11-01d-Run1
JCCI4 - J-Value Diff @ 500 hPa for Apr



v11-01f-geosp-Run0 - v11-01b-Run0
JCCI4 - J-Value Diff @ surface for Apr



v11-01f-geosp-Run0 - v11-01b-Run0
JCCI4 - J-Value Diff @ 500 hPa for Apr

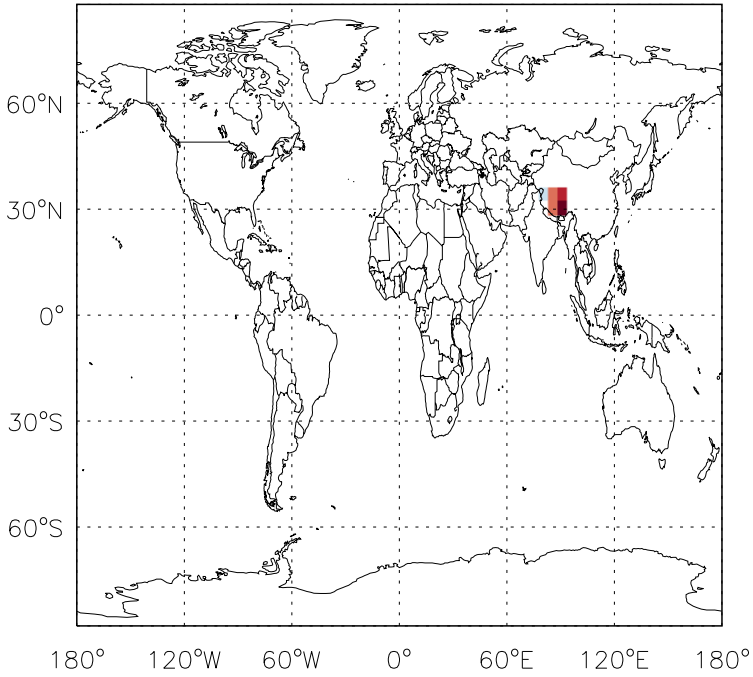


-1.45e-17 -4.84e-18 4.84e-18 1.45e-17s-1

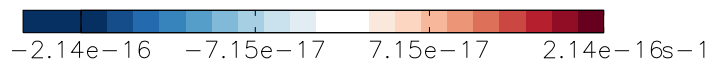
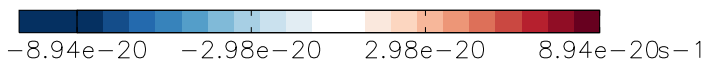
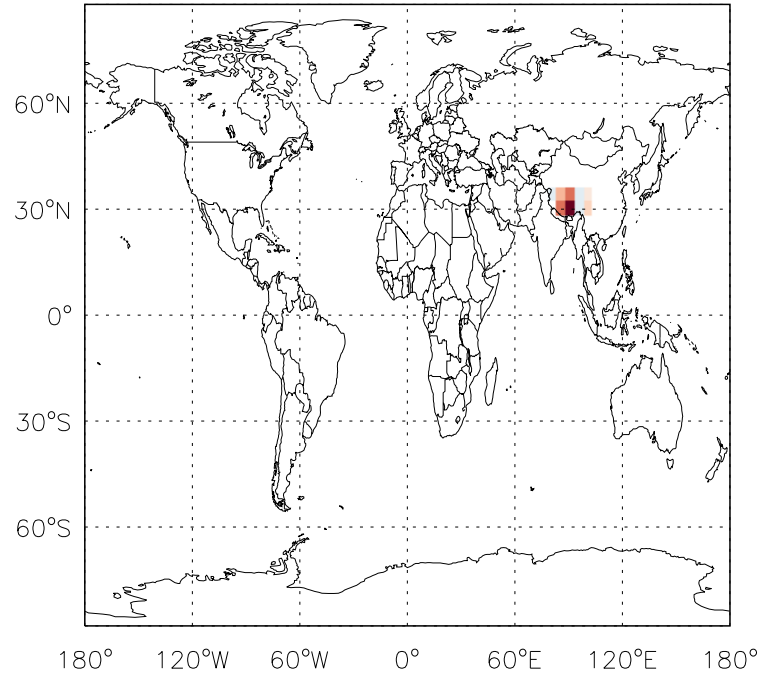
-2.29e-14 -7.62e-15 7.62e-15 2.29e-14s-1

GEOS-Chem J-Values at surface and 500 hPa

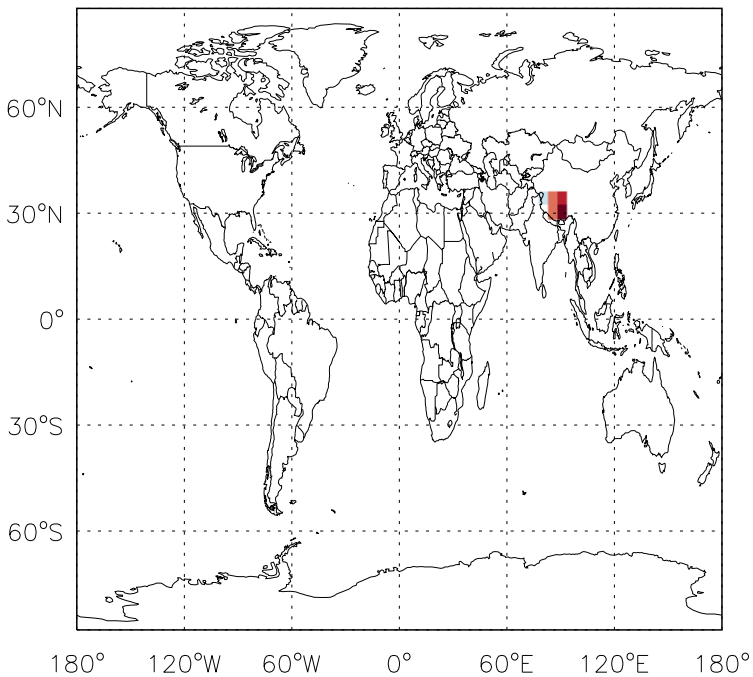
v11-01f-geosp-Run0 - v11-01d-Run1
JCH3Cl - J-Value Diff @ surface for Apr



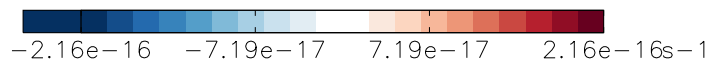
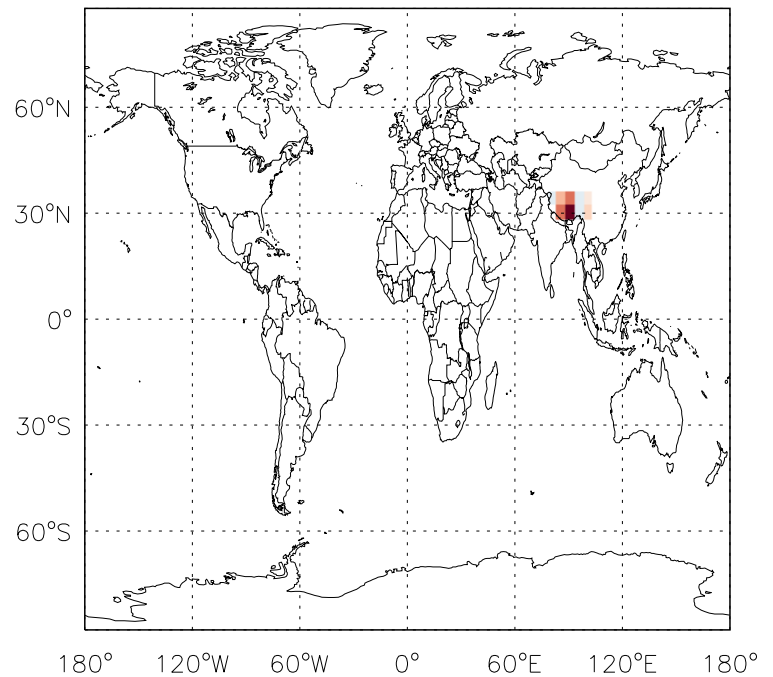
v11-01f-geosp-Run0 - v11-01d-Run1
JCH3Cl - J-Value Diff @ 500 hPa for Apr



v11-01f-geosp-Run0 - v11-01b-Run0
JCH3Cl - J-Value Diff @ surface for Apr

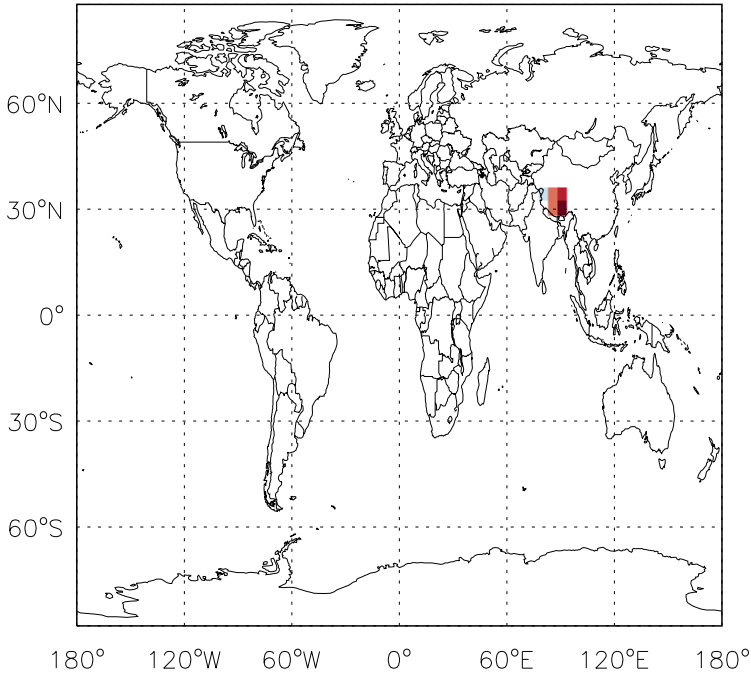


v11-01f-geosp-Run0 - v11-01b-Run0
JCH3Cl - J-Value Diff @ 500 hPa for Apr

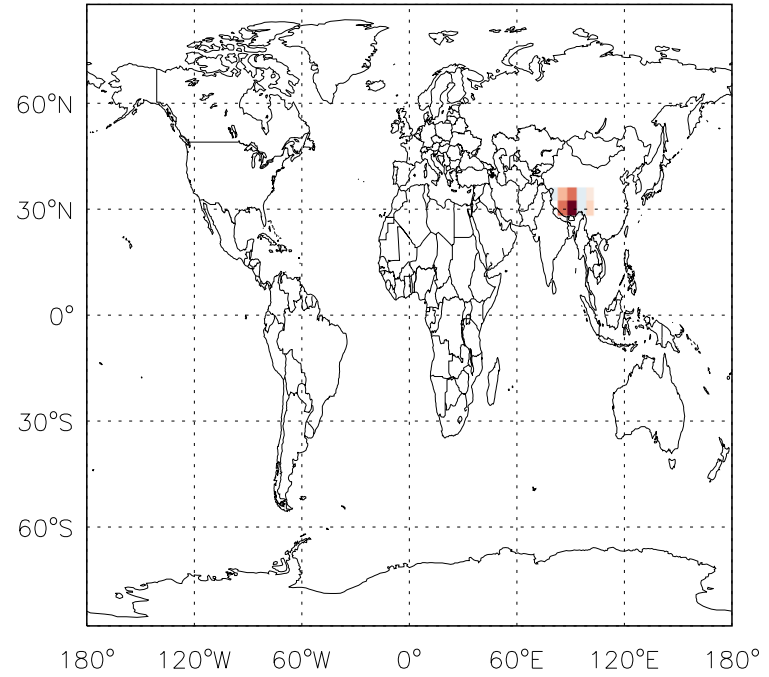


GEOS-Chem J-Values at surface and 500 hPa

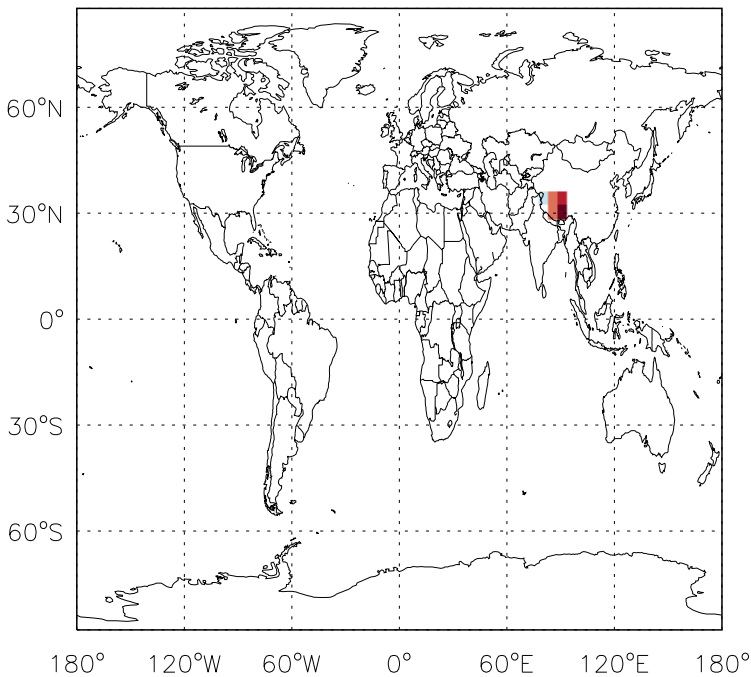
v11-01f-geosp-Run0 - v11-01d-Run1
JCFC11 - J-Value Diff @ surface for Apr



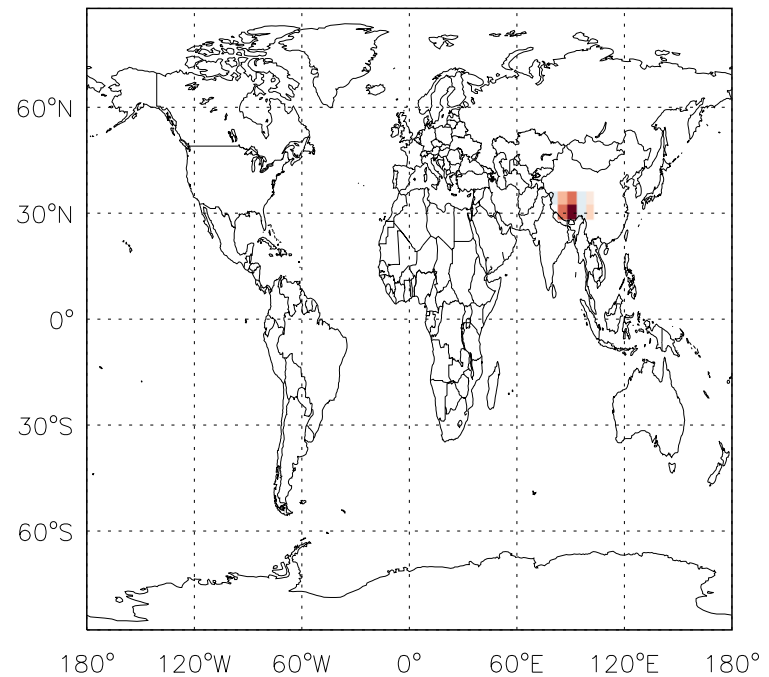
v11-01f-geosp-Run0 - v11-01d-Run1
JCFC11 - J-Value Diff @ 500 hPa for Apr



v11-01f-geosp-Run0 - v11-01b-Run0
JCFC11 - J-Value Diff @ surface for Apr



v11-01f-geosp-Run0 - v11-01b-Run0
JCFC11 - J-Value Diff @ 500 hPa for Apr

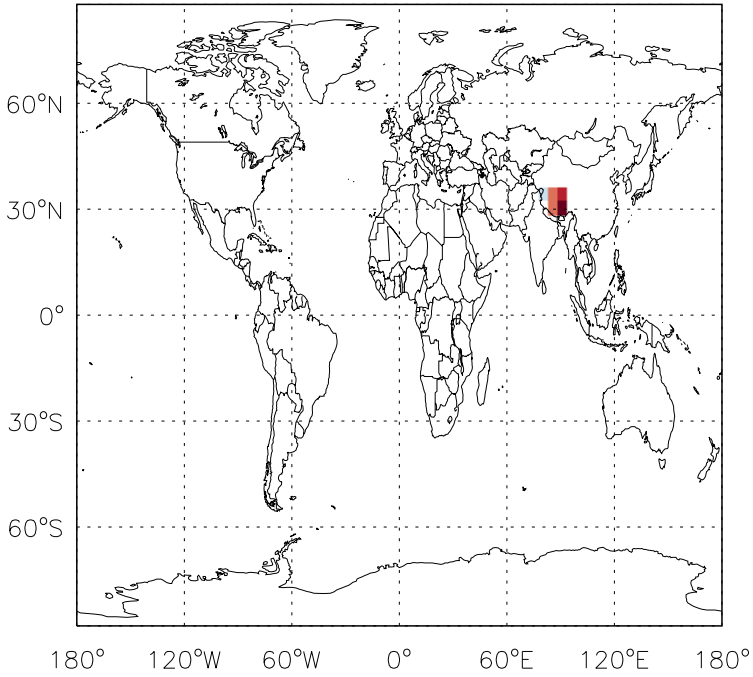


-5.08e-18 -1.69e-18 1.69e-18 5.08e-18s-1

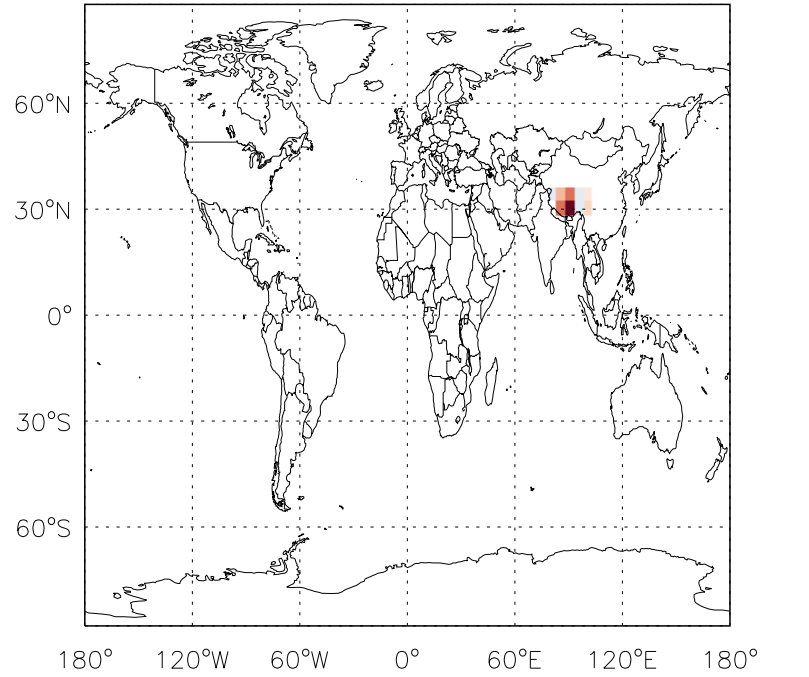
-1.04e-14 -3.46e-15 3.46e-15 1.04e-14s-1

GEOS-Chem J-Values at surface and 500 hPa

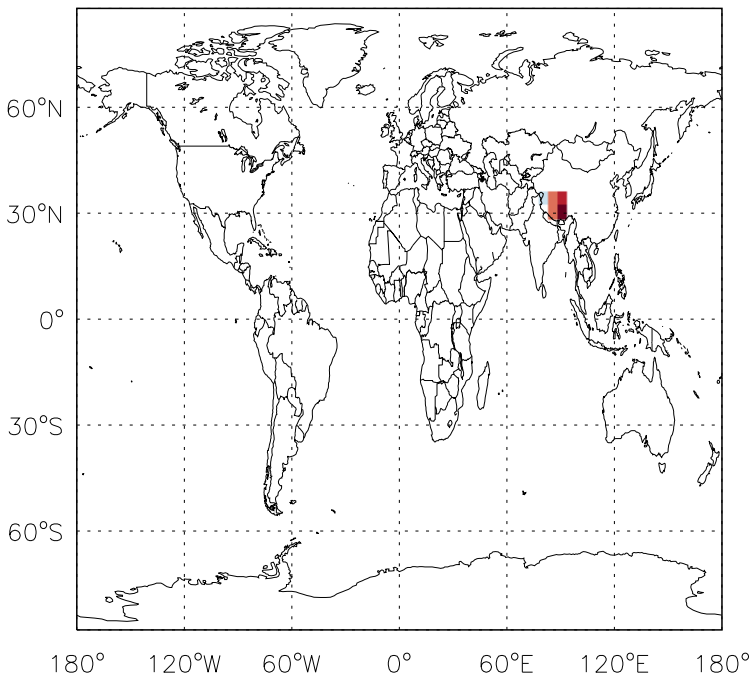
v11-01f-geosp-Run0 - v11-01d-Run1
JCFC12 - J-Value Diff @ surface for Apr



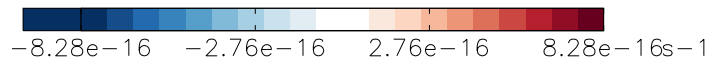
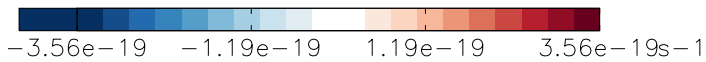
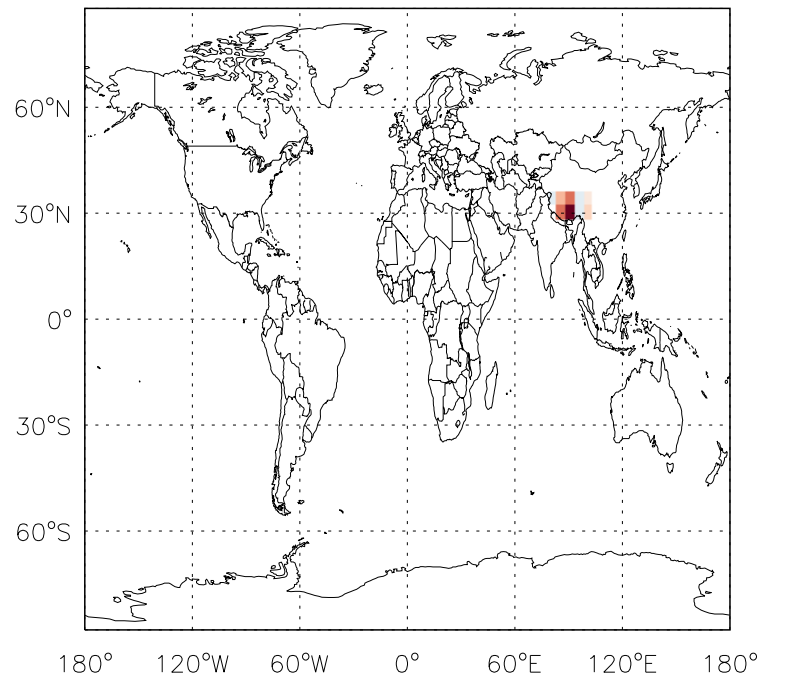
v11-01f-geosp-Run0 - v11-01d-Run1
JCFC12 - J-Value Diff @ 500 hPa for Apr



v11-01f-geosp-Run0 - v11-01b-Run0
JCFC12 - J-Value Diff @ surface for Apr



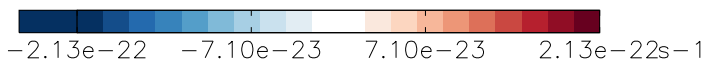
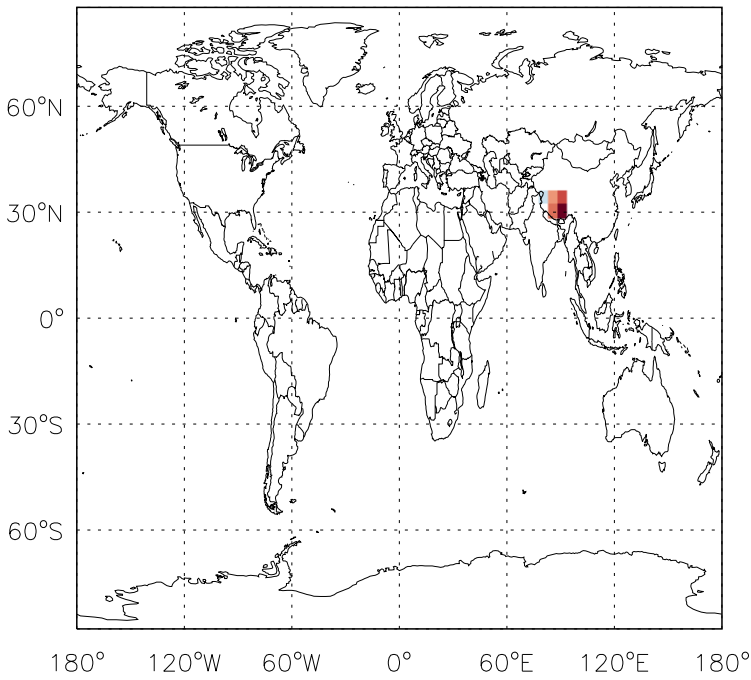
v11-01f-geosp-Run0 - v11-01b-Run0
JCFC12 - J-Value Diff @ 500 hPa for Apr



GEOS-Chem J-Values at surface and 500 hPa

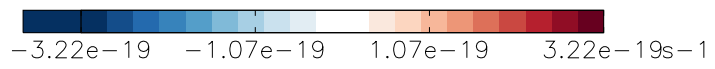
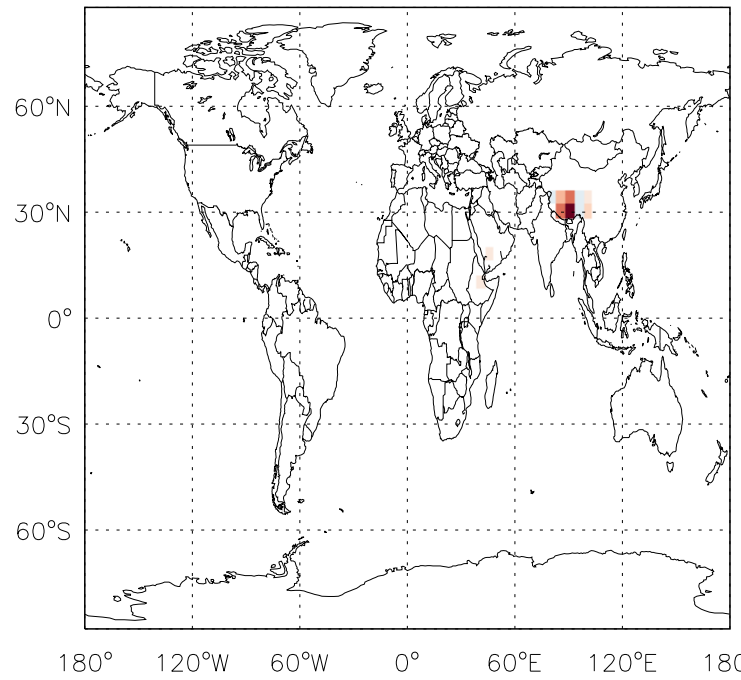
v11-01f-geosp-Run0 - v11-01d-Run1

J02 - J-Value Diff @ surface for Apr



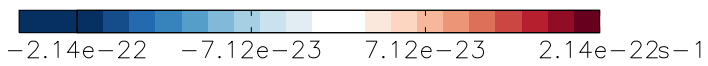
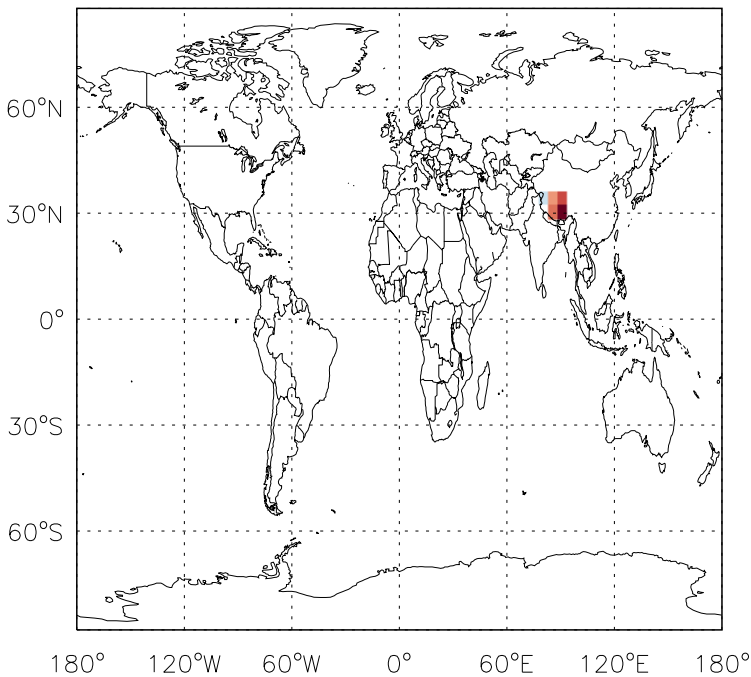
v11-01f-geosp-Run0 - v11-01d-Run1

J02 - J-Value Diff @ 500 hPa for Apr



v11-01f-geosp-Run0 - v11-01b-Run0

J02 - J-Value Diff @ surface for Apr



v11-01f-geosp-Run0 - v11-01b-Run0

J02 - J-Value Diff @ 500 hPa for Apr

