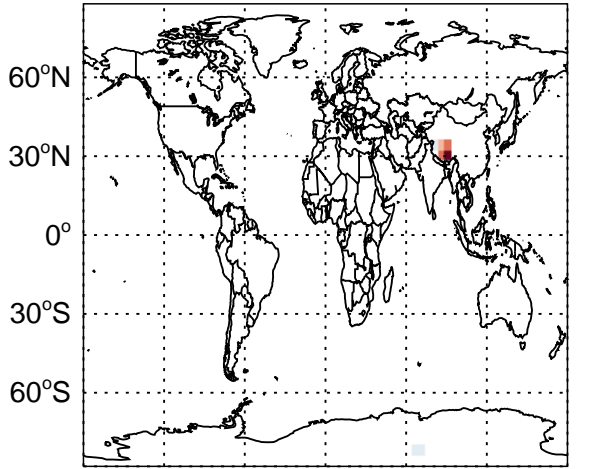


GEOS-Chem J-Values at surface and 500 hPa

v11-01 - v10-01

JNO - J-Value Diff @ surface for Oct

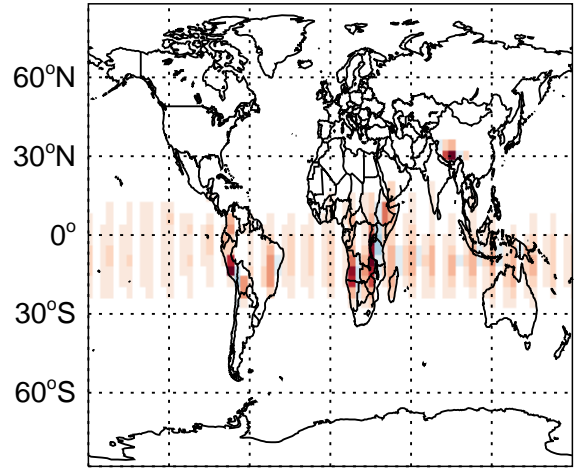


180° 120°W 60°W 0° 60°E 120°E 180°

-7.33e-21 -2.44e-21 2.44e-21 7.33e-21

v11-01 - v10-01

JNO - J-Value Diff @ 500 hPa for Oct

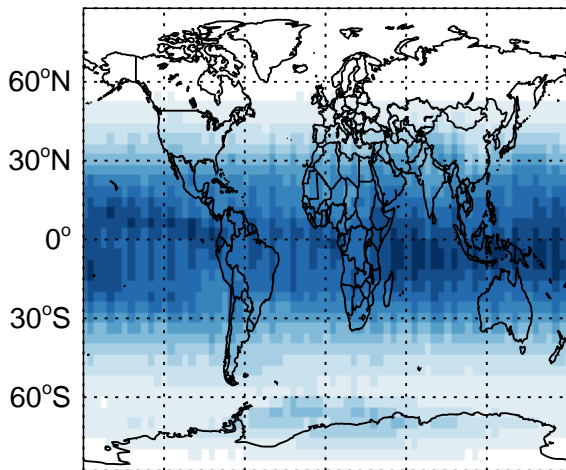


180° 120°W 60°W 0° 60°E 120°E 180°

-9.70e-18 -3.23e-18 3.23e-18 9.70e-18

v11-01 - v10-01

JO3\_O1D - J-Value Diff @ surface for Oct

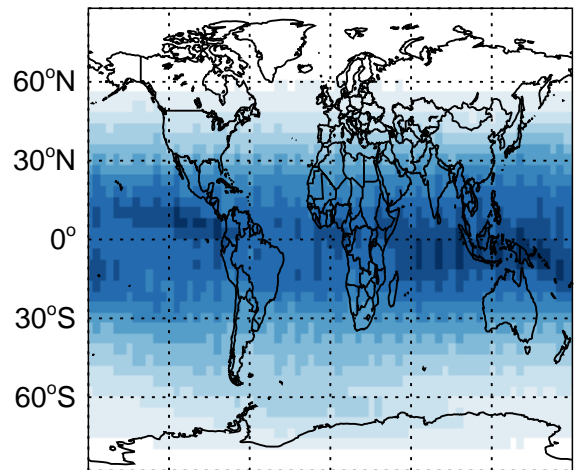


180° 120°W 60°W 0° 60°E 120°E 180°

-5.34e-05 -1.78e-05 1.78e-05 5.34e-05

v11-01 - v10-01

JO3\_O1D - J-Value Diff @ 500 hPa for Oct



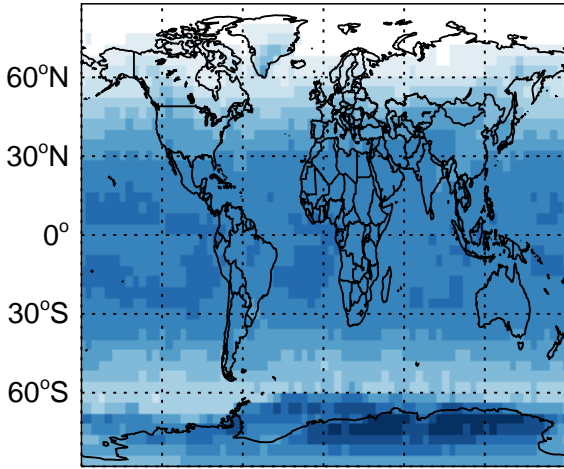
180° 120°W 60°W 0° 60°E 120°E 180°

-8.87e-05 -2.96e-05 2.96e-05 8.87e-05

GEOS-Chem J-Values at surface and 500 hPa

v11-01 - v10-01

JO3\_O3P - J-Value Diff @ surface for Oct

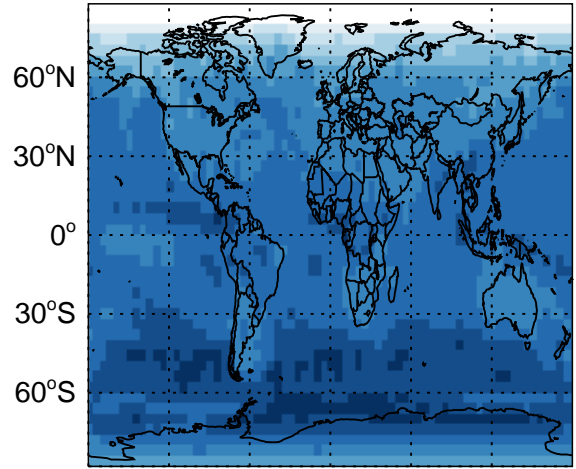


180° 120°W 60°W 0° 60°E 120°E 180°

-7.21e-04 -2.40e-04 2.40e-04 7.21e-04

v11-01 - v10-01

JO3\_O3P - J-Value Diff @ 500 hPa for Oct

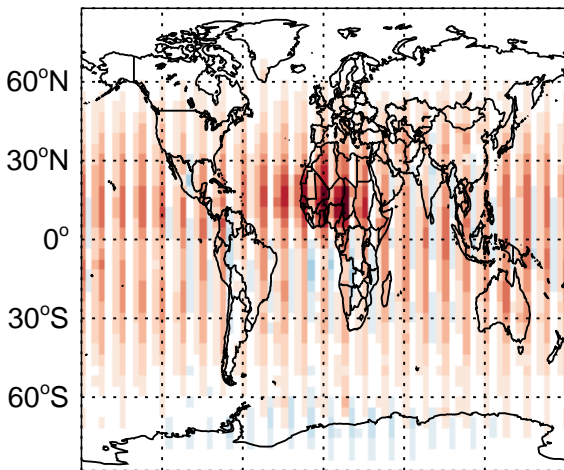


180° 120°W 60°W 0° 60°E 120°E 180°

-7.83e-04 -2.61e-04 2.61e-04 7.83e-04

v11-01 - v10-01

JHNO3 - J-Value Diff @ surface for Oct

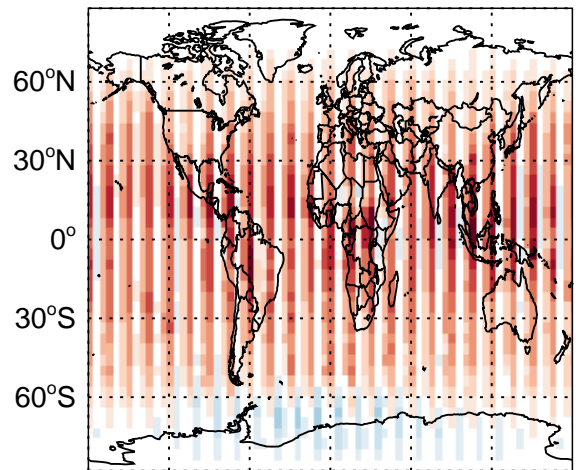


180° 120°W 60°W 0° 60°E 120°E 180°

-4.14e-08 -1.38e-08 1.38e-08 4.14e-08

v11-01 - v10-01

JHNO3 - J-Value Diff @ 500 hPa for Oct



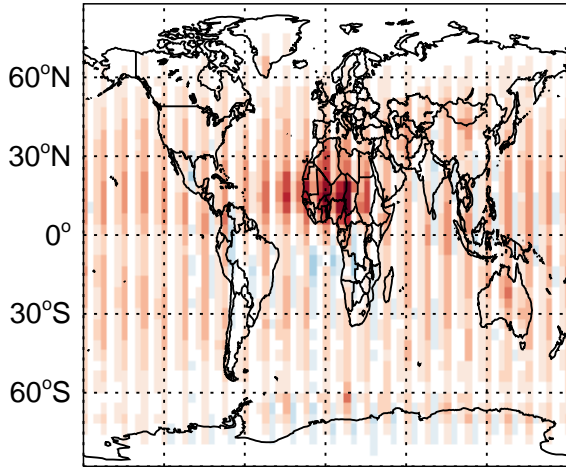
180° 120°W 60°W 0° 60°E 120°E 180°

-4.09e-08 -1.36e-08 1.36e-08 4.09e-08

GEOS-Chem J-Values at surface and 500 hPa

v11-01 - v10-01

JH2O2 - J-Value Diff @ surface for Oct

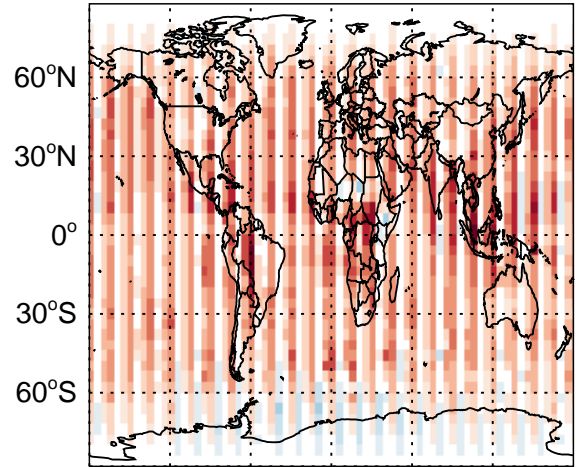


180° 120°W 60°W 0° 60°E 120°E 180°

-3.87e-07 -1.29e-07 1.29e-07 3.87e-07

v11-01 - v10-01

JH2O2 - J-Value Diff @ 500 hPa for Oct

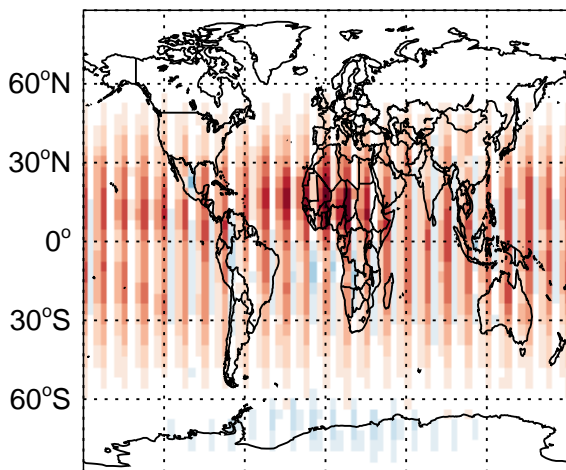


180° 120°W 60°W 0° 60°E 120°E 180°

-3.58e-07 -1.19e-07 1.19e-07 3.58e-07

v11-01 - v10-01

JACET - J-Value Diff @ surface for Oct

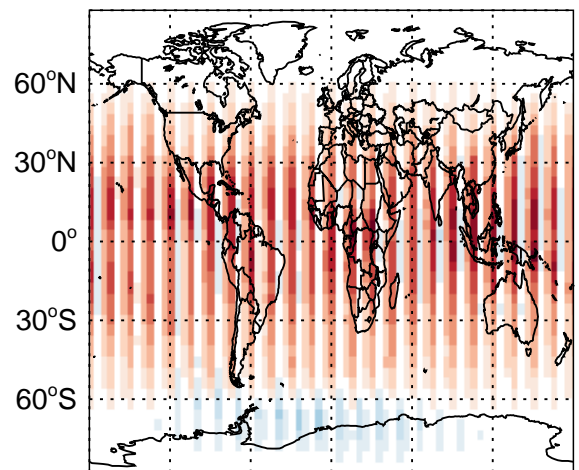


180° 120°W 60°W 0° 60°E 120°E 180°

-5.27e-08 -1.76e-08 1.76e-08 5.27e-08

v11-01 - v10-01

JACET - J-Value Diff @ 500 hPa for Oct



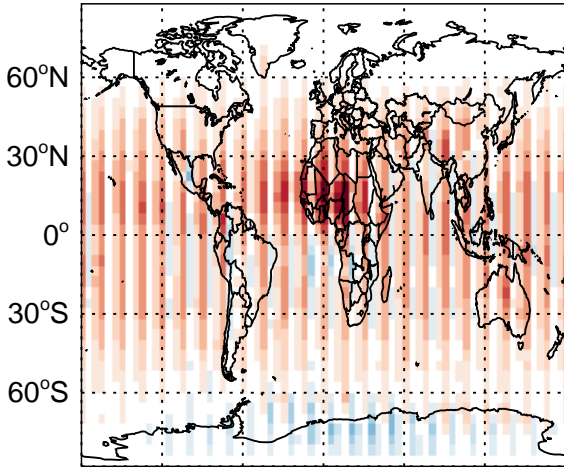
180° 120°W 60°W 0° 60°E 120°E 180°

-6.79e-08 -2.26e-08 2.26e-08 6.79e-08

GEOS-Chem J-Values at surface and 500 hPa

v11-01 - v10-01

JALD2 - J-Value Diff @ surface for Oct

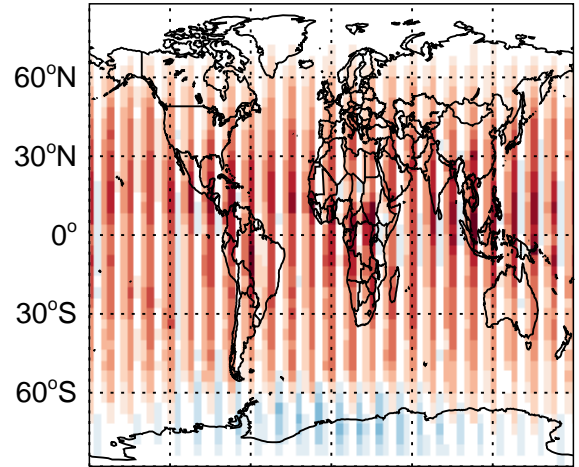


180° 120°W 60°W 0° 60°E 120°E 180°

-2.72e-07 -9.07e-08 9.07e-08 2.72e-07

v11-01 - v10-01

JALD2 - J-Value Diff @ 500 hPa for Oct

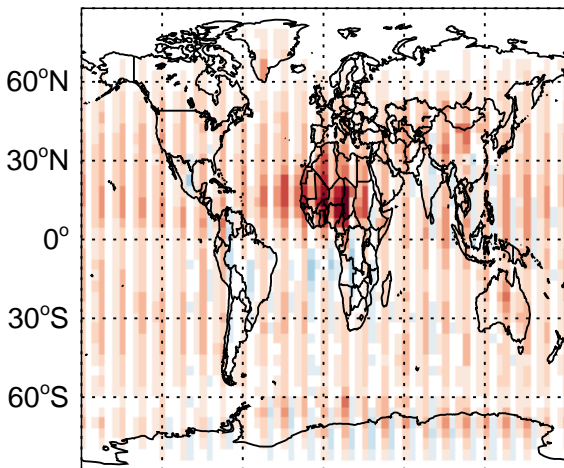


180° 120°W 60°W 0° 60°E 120°E 180°

-4.75e-07 -1.58e-07 1.58e-07 4.75e-07

v11-01 - v10-01

JMVK - J-Value Diff @ surface for Oct

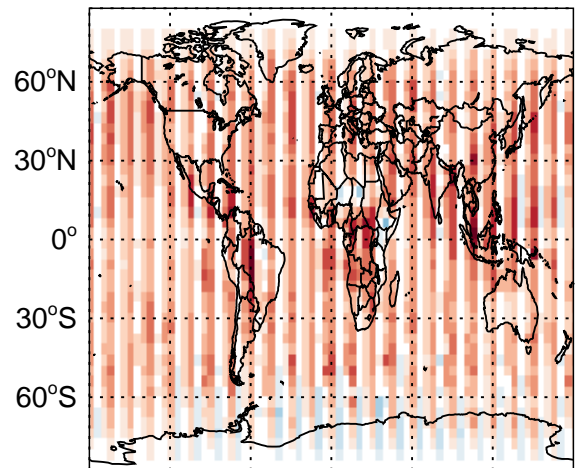


180° 120°W 60°W 0° 60°E 120°E 180°

-2.21e-07 -7.37e-08 7.37e-08 2.21e-07

v11-01 - v10-01

JMVK - J-Value Diff @ 500 hPa for Oct



180° 120°W 60°W 0° 60°E 120°E 180°

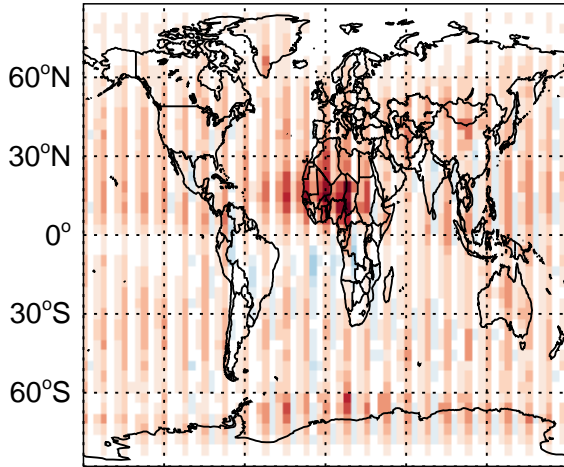
-3.45e-07 -1.15e-07 1.15e-07 3.45e-07

GEOS-Chem J-Values at surface and 500 hPa

v11-01 - v10-01

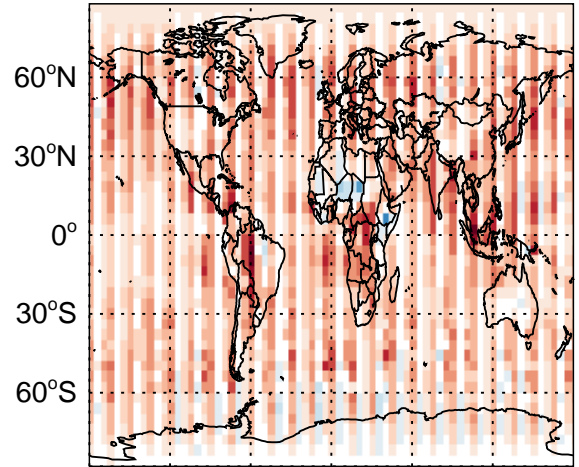
v11-01 - v10-01

JMACR - J-Value Diff @ surface for Oct JMACR - J-Value Diff @ 500 hPa for Oct



180° 120°W 60°W 0° 60°E 120°E 180°

-6.26e-08 -2.09e-08 2.09e-08 6.26e-08



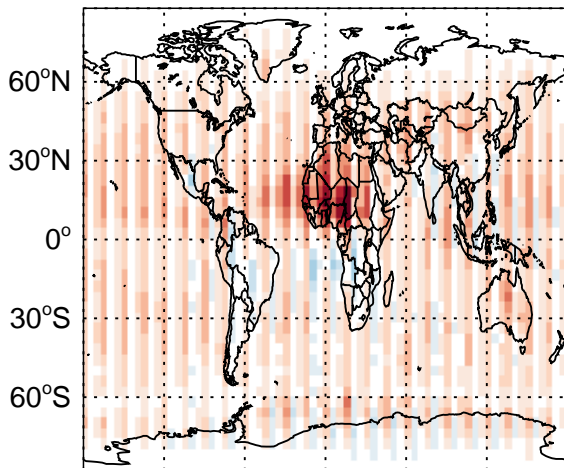
180° 120°W 60°W 0° 60°E 120°E 180°

-6.35e-08 -2.12e-08 2.12e-08 6.35e-08

v11-01 - v10-01

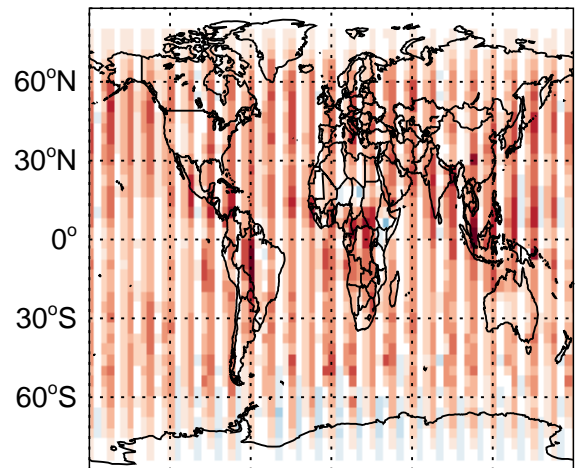
v11-01 - v10-01

JCH2O - J-Value Diff @ surface for Oct JCH2O - J-Value Diff @ 500 hPa for Oct



180° 120°W 60°W 0° 60°E 120°E 180°

-4.37e-06 -1.46e-06 1.46e-06 4.37e-06



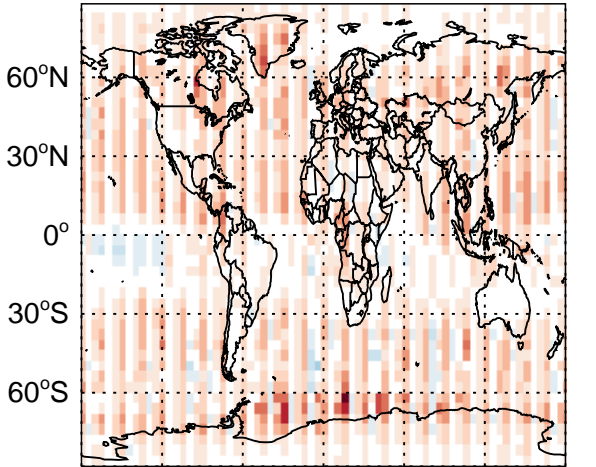
180° 120°W 60°W 0° 60°E 120°E 180°

-4.16e-06 -1.39e-06 1.39e-06 4.16e-06

GEOS-Chem J-Values at surface and 500 hPa

v11-01 - v10-01

JBr2 - J-Value Diff @ surface for Oct

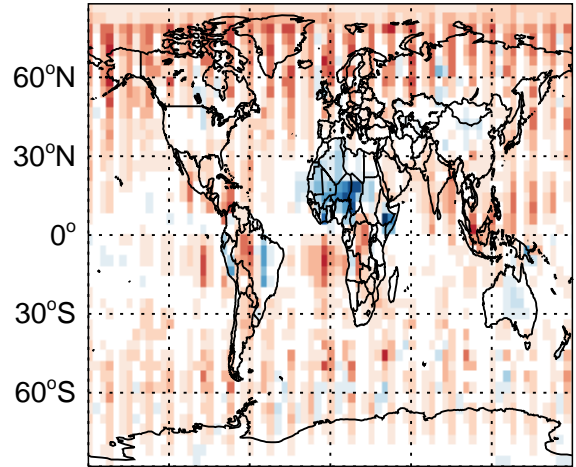


180° 120°W 60°W 0° 60°E 120°E 180°

-1.20e-03 -4.01e-04 4.01e-04 1.20e-03

v11-01 - v10-01

JBr2 - J-Value Diff @ 500 hPa for Oct

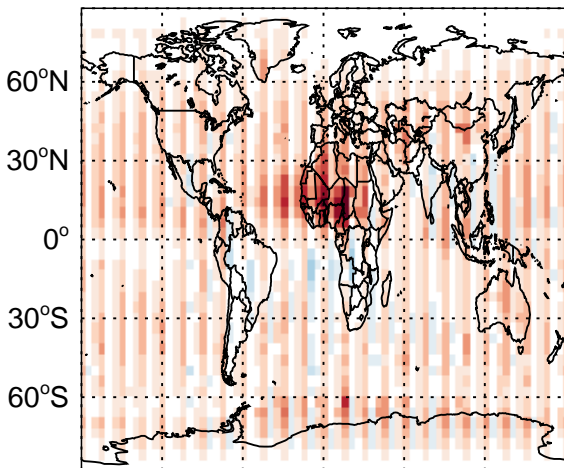


180° 120°W 60°W 0° 60°E 120°E 180°

-1.23e-03 -4.09e-04 4.09e-04 1.23e-03

v11-01 - v10-01

JBrO - J-Value Diff @ surface for Oct

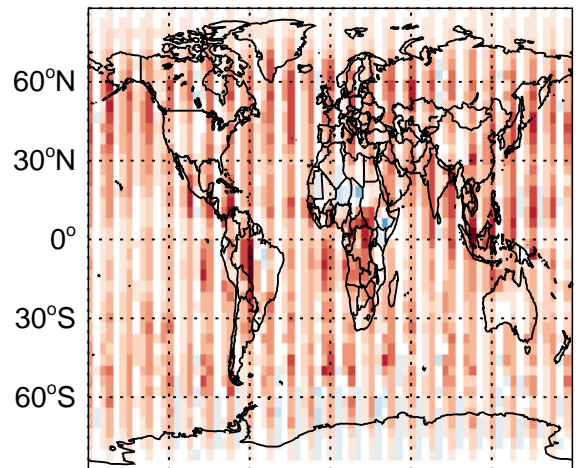


180° 120°W 60°W 0° 60°E 120°E 180°

-1.64e-03 -5.46e-04 5.46e-04 1.64e-03

v11-01 - v10-01

JBrO - J-Value Diff @ 500 hPa for Oct



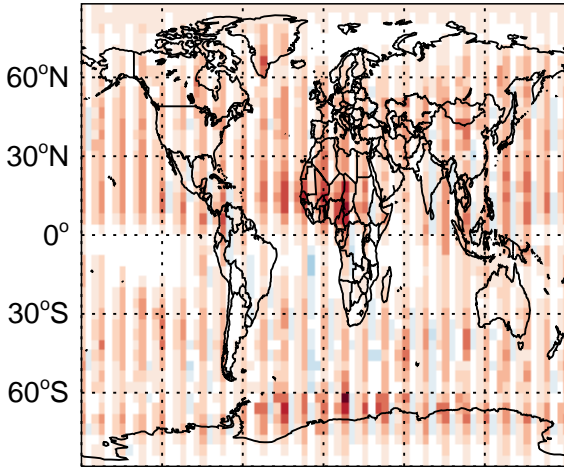
180° 120°W 60°W 0° 60°E 120°E 180°

-1.62e-03 -5.39e-04 5.39e-04 1.62e-03

GEOS-Chem J-Values at surface and 500 hPa

v11-01 - v10-01

JHOBr - J-Value Diff @ surface for Oct

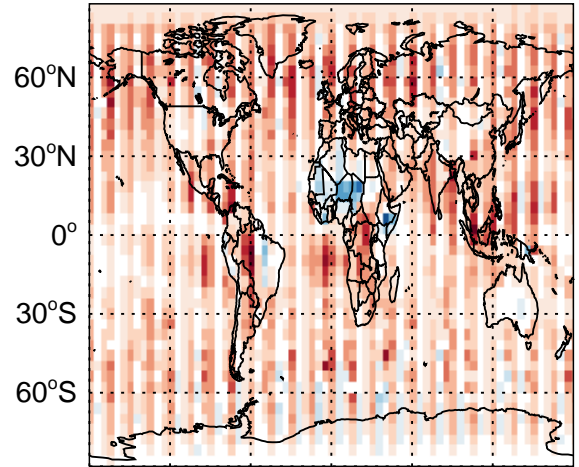


180° 120°W 60°W 0° 60°E 120°E 180°

-7.52e-05 -2.51e-05 2.51e-05 7.52e-05

v11-01 - v10-01

JHOBr - J-Value Diff @ 500 hPa for Oct

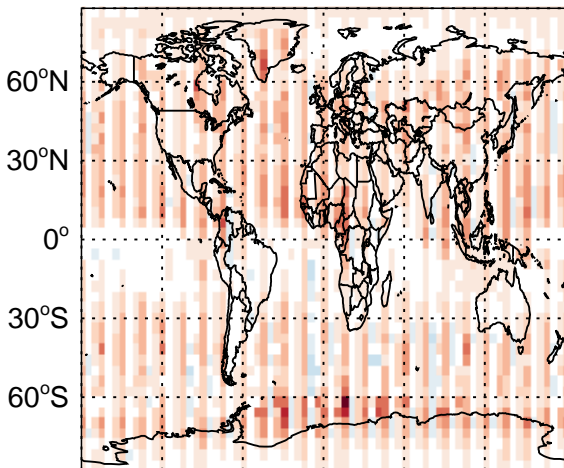


180° 120°W 60°W 0° 60°E 120°E 180°

-7.65e-05 -2.55e-05 2.55e-05 7.65e-05

v11-01 - v10-01

JBrNO2 - J-Value Diff @ surface for Oct

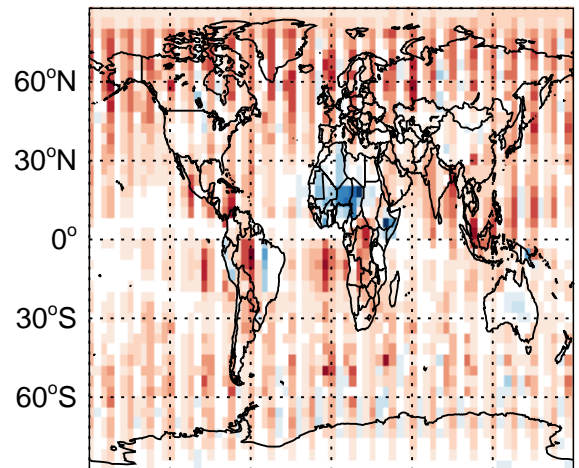


180° 120°W 60°W 0° 60°E 120°E 180°

-2.27e-04 -7.57e-05 7.57e-05 2.27e-04

v11-01 - v10-01

JBrNO2 - J-Value Diff @ 500 hPa for Oct



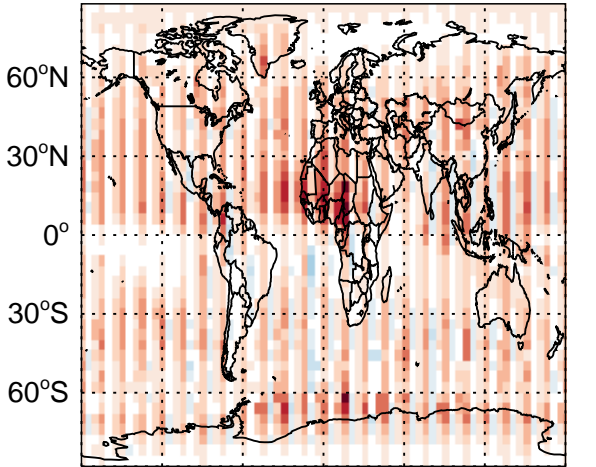
180° 120°W 60°W 0° 60°E 120°E 180°

-2.16e-04 -7.21e-05 7.21e-05 2.16e-04

GEOS-Chem J-Values at surface and 500 hPa

v11-01 - v10-01

JBrNO3 - J-Value Diff @ surface for Oct

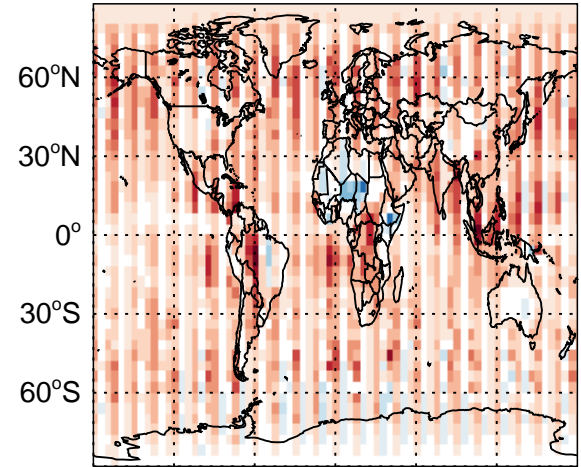


180° 120°W 60°W 0° 60°E 120°E 180°

-4.51e-05 -1.50e-05 1.50e-05 4.51e-05

v11-01 - v10-01

JBrNO3 - J-Value Diff @ 500 hPa for Oct

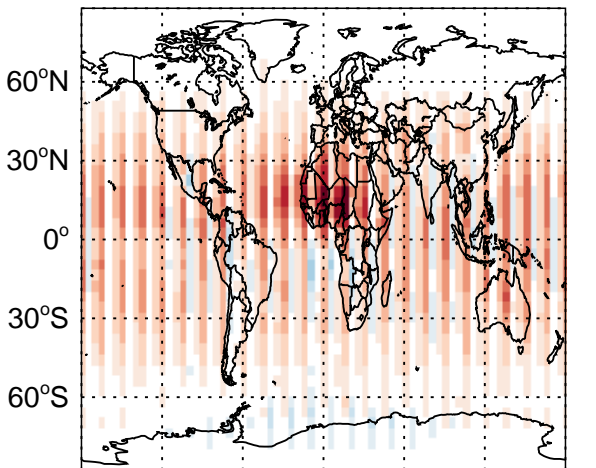


180° 120°W 60°W 0° 60°E 120°E 180°

-4.93e-05 -1.64e-05 1.64e-05 4.93e-05

v11-01 - v10-01

JCHBr3 - J-Value Diff @ surface for Oct

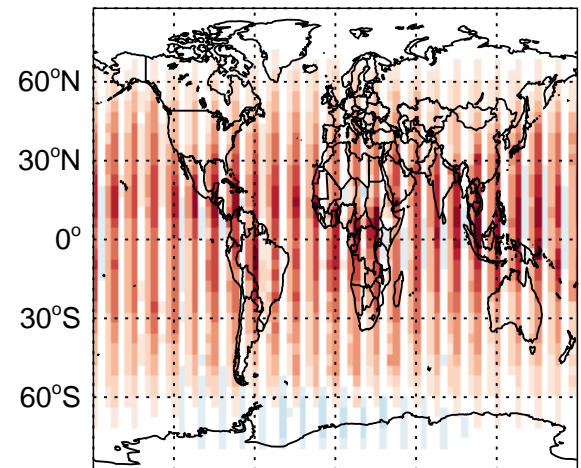


180° 120°W 60°W 0° 60°E 120°E 180°

-9.32e-08 -3.11e-08 3.11e-08 9.32e-08

v11-01 - v10-01

JCHBr3 - J-Value Diff @ 500 hPa for Oct



180° 120°W 60°W 0° 60°E 120°E 180°

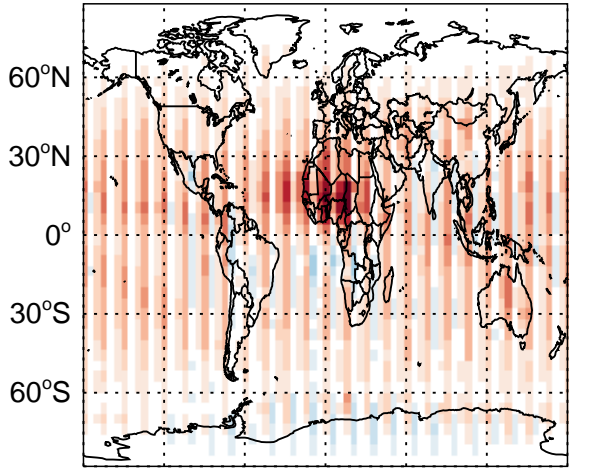
-8.46e-08 -2.82e-08 2.82e-08 8.46e-08



GEOS-Chem J-Values at surface and 500 hPa

v11-01 - v10-01

JHAC - J-Value Diff @ surface for Oct

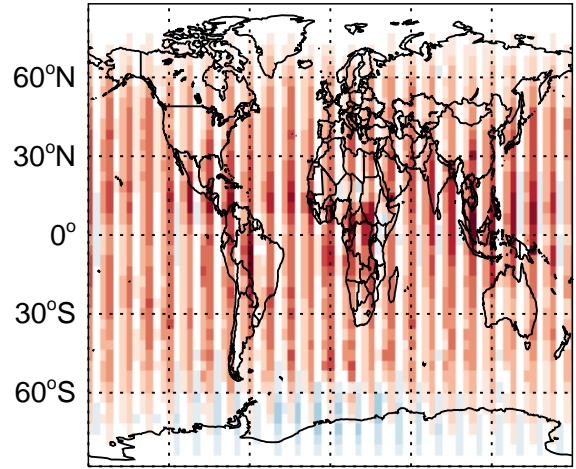


180° 120°W 60°W 0° 60°E 120°E 180°

-1.20e-07 -4.01e-08 4.01e-08 1.20e-07

v11-01 - v10-01

JHAC - J-Value Diff @ 500 hPa for Oct

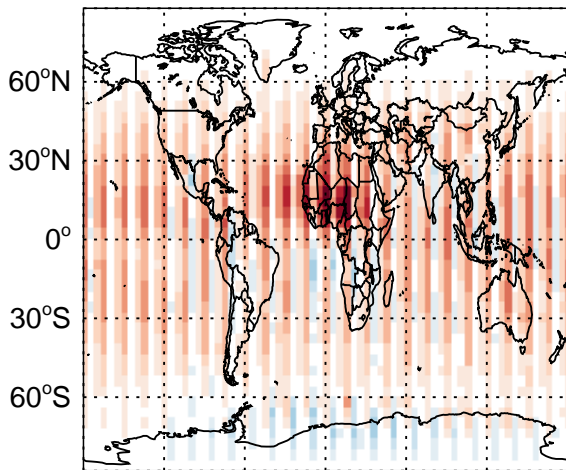


180° 120°W 60°W 0° 60°E 120°E 180°

-1.26e-07 -4.20e-08 4.20e-08 1.26e-07

v11-01 - v10-01

JGLYC - J-Value Diff @ surface for Oct

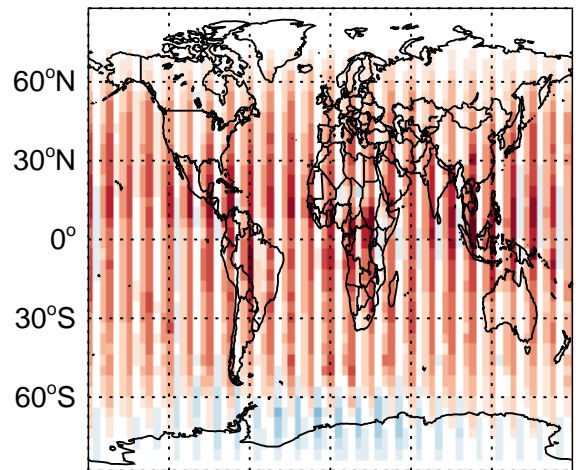


180° 120°W 60°W 0° 60°E 120°E 180°

-7.15e-07 -2.38e-07 2.38e-07 7.15e-07

v11-01 - v10-01

JGLYC - J-Value Diff @ 500 hPa for Oct



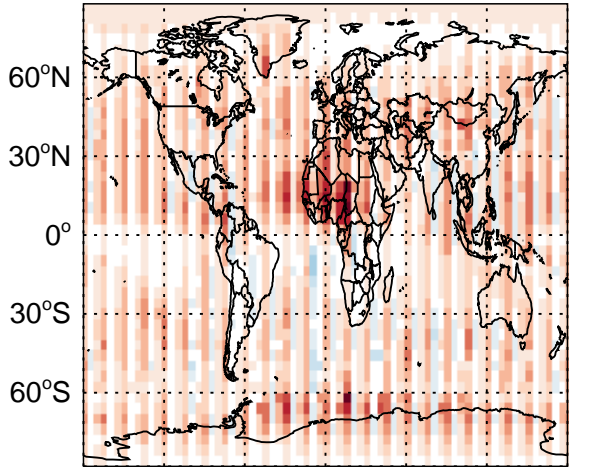
180° 120°W 60°W 0° 60°E 120°E 180°

-7.89e-07 -2.63e-07 2.63e-07 7.89e-07

GEOS-Chem J-Values at surface and 500 hPa

v11-01 - v10-01

JNO2 - J-Value Diff @ surface for Oct

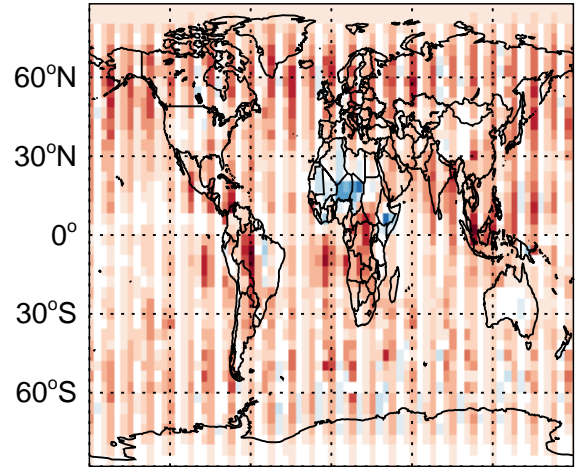


180° 120°W 60°W 0° 60°E 120°E 180°

-3.07e-04 -1.02e-04 1.02e-04 3.07e-04

v11-01 - v10-01

JNO2 - J-Value Diff @ 500 hPa for Oct

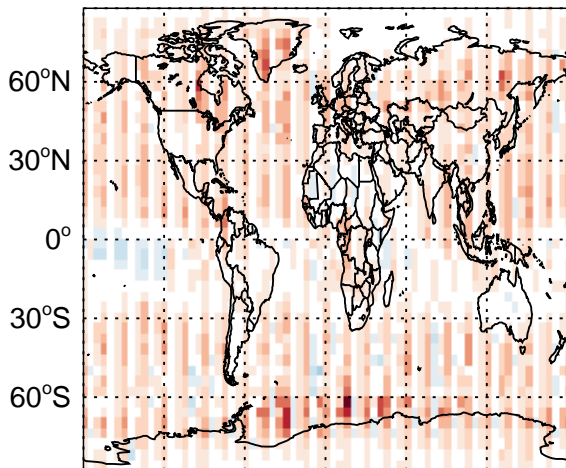


180° 120°W 60°W 0° 60°E 120°E 180°

-3.34e-04 -1.11e-04 1.11e-04 3.34e-04

v11-01 - v10-01

JNO3 - J-Value Diff @ surface for Oct

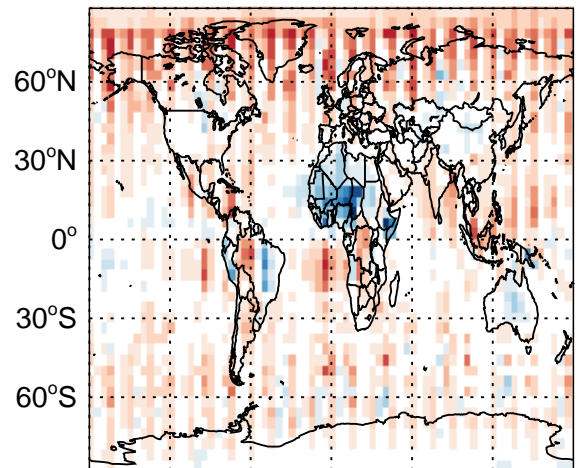


180° 120°W 60°W 0° 60°E 120°E 180°

-8.17e-03 -2.72e-03 2.72e-03 8.17e-03

v11-01 - v10-01

JNO3 - J-Value Diff @ 500 hPa for Oct



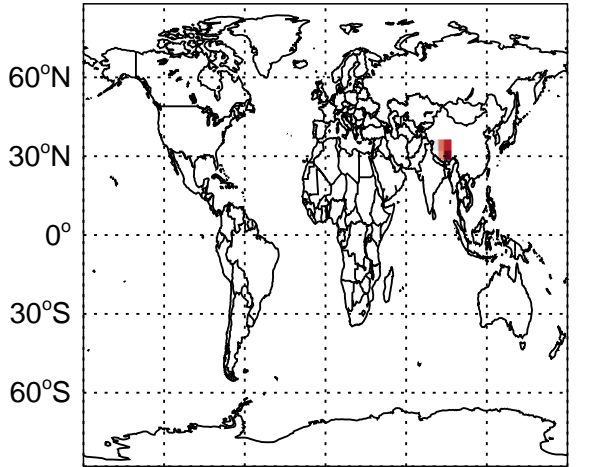
180° 120°W 60°W 0° 60°E 120°E 180°

-8.58e-03 -2.86e-03 2.86e-03 8.58e-03

# GEOS-Chem J-Values at surface and 500 hPa

v11-01 - v10-01

JN2O - J-Value Diff @ surface for Oct

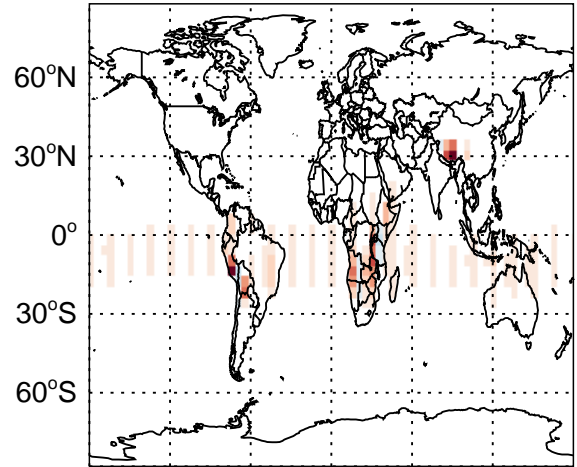


180° 120°W 60°W 0° 60°E 120°E 180°

-2.52e-20 -8.40e-21 8.40e-21 2.52e-20

v11-01 - v10-01

JN2O - J-Value Diff @ 500 hPa for Oct

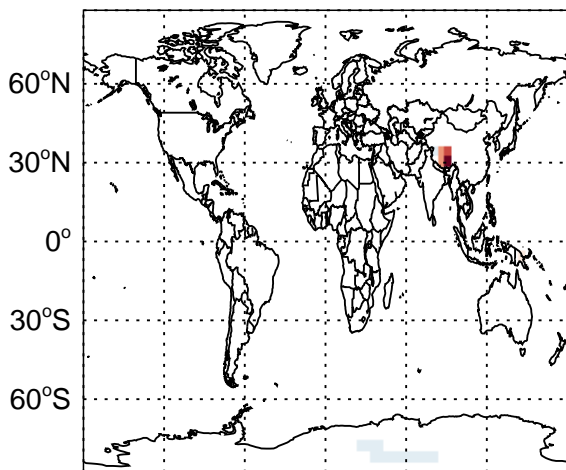


180° 120°W 60°W 0° 60°E 120°E 180°

-7.40e-17 -2.47e-17 2.47e-17 7.40e-17

v11-01 - v10-01

JCCI4 - J-Value Diff @ surface for Oct

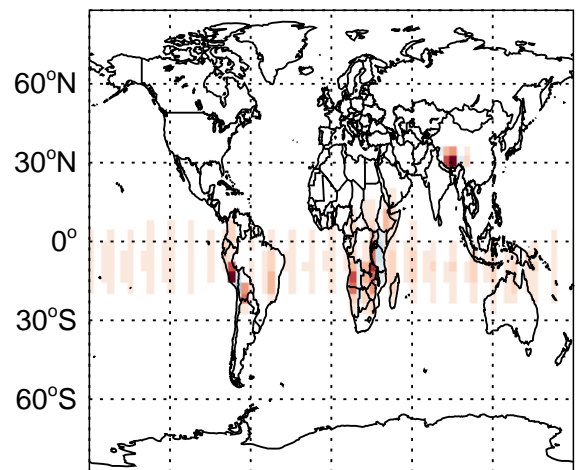


180° 120°W 60°W 0° 60°E 120°E 180°

-1.46e-18 -4.87e-19 4.87e-19 1.46e-18

v11-01 - v10-01

JCCI4 - J-Value Diff @ 500 hPa for Oct



180° 120°W 60°W 0° 60°E 120°E 180°

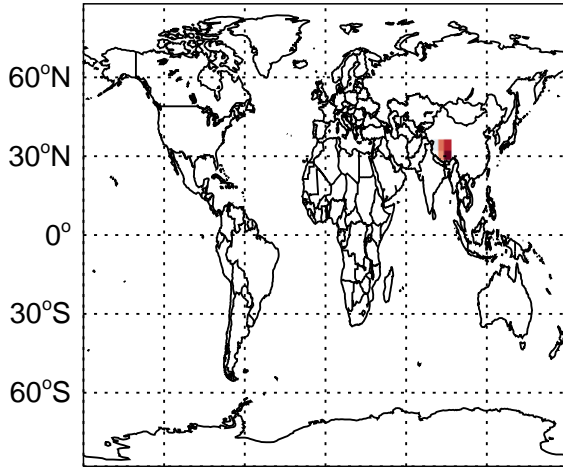
-3.28e-15 -1.09e-15 1.09e-15 3.28e-15

GEOS-Chem J-Values at surface and 500 hPa

v11-01 - v10-01

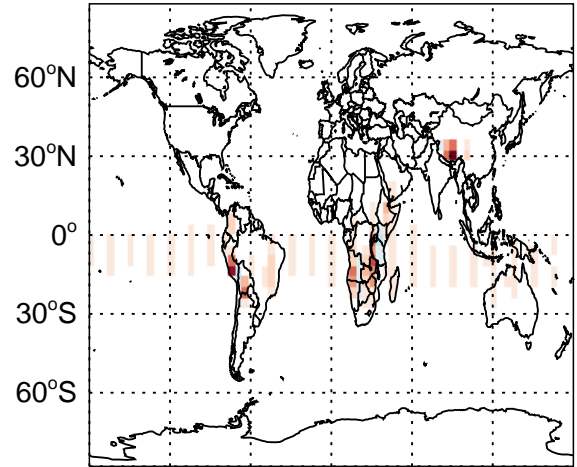
v11-01 - v10-01

JCH3Cl - J-Value Diff @ surface for Oct | JCH3Cl - J-Value Diff @ 500 hPa for Oct



180° 120°W 60°W 0° 60°E 120°E 180°

-8.51e-21 -2.84e-21 2.84e-21 8.51e-21



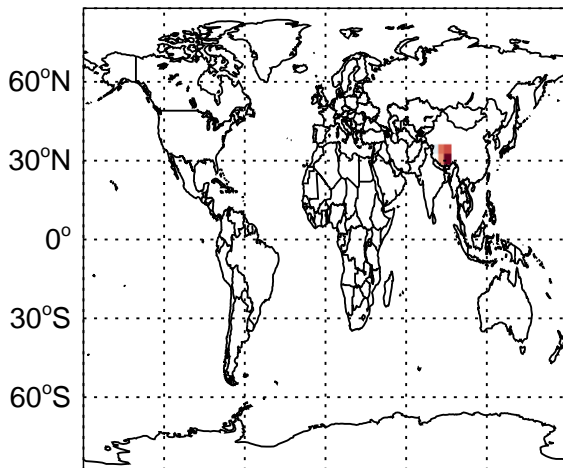
180° 120°W 60°W 0° 60°E 120°E 180°

-2.89e-17 -9.62e-18 9.62e-18 2.89e-17

v11-01 - v10-01

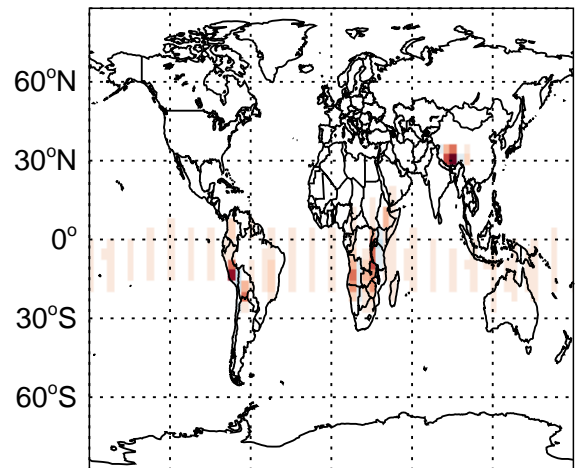
v11-01 - v10-01

JCFC11 - J-Value Diff @ surface for Oct | JCFC11 - J-Value Diff @ 500 hPa for Oct



180° 120°W 60°W 0° 60°E 120°E 180°

-4.92e-19 -1.64e-19 1.64e-19 4.92e-19



180° 120°W 60°W 0° 60°E 120°E 180°

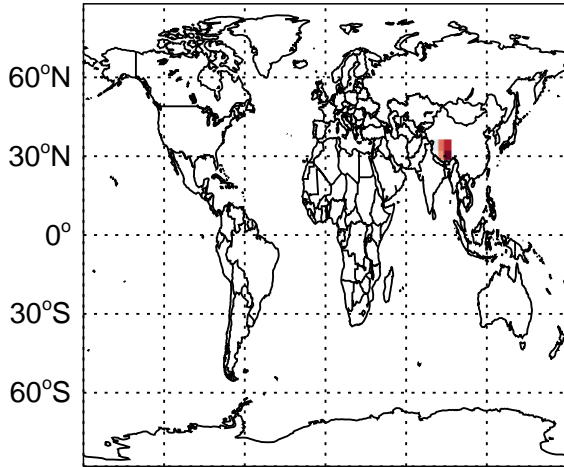
-1.42e-15 -4.74e-16 4.74e-16 1.42e-15

GEOS-Chem J-Values at surface and 500 hPa

v11-01 - v10-01

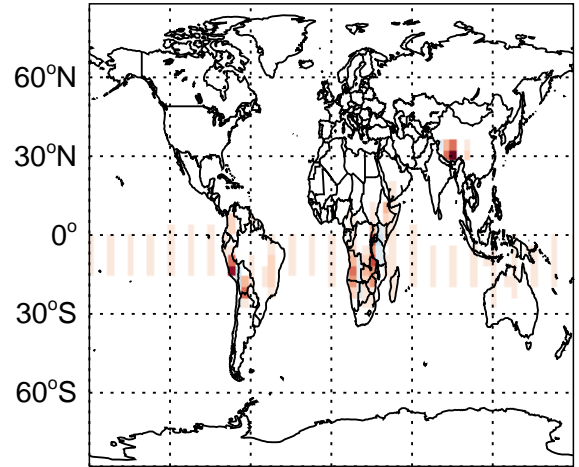
v11-01 - v10-01

JCFC12 - J-Value Diff @ surface for Oct      JCFC12 - J-Value Diff @ 500 hPa for Oct



180° 120°W 60°W 0° 60°E 120°E 180°

-3.37e-20 -1.12e-20 1.12e-20 3.37e-20



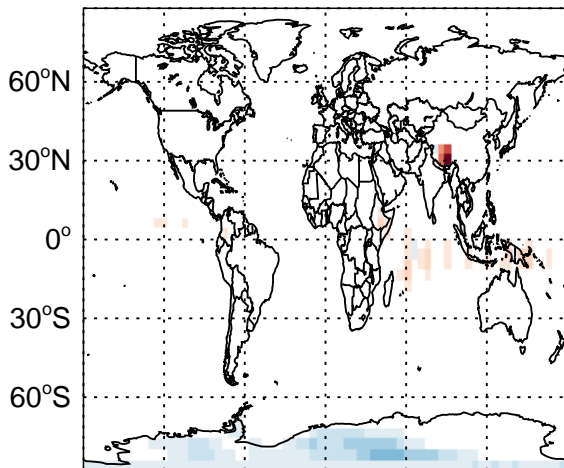
180° 120°W 60°W 0° 60°E 120°E 180°

-1.12e-16 -3.75e-17 3.75e-17 1.12e-16

v11-01 - v10-01

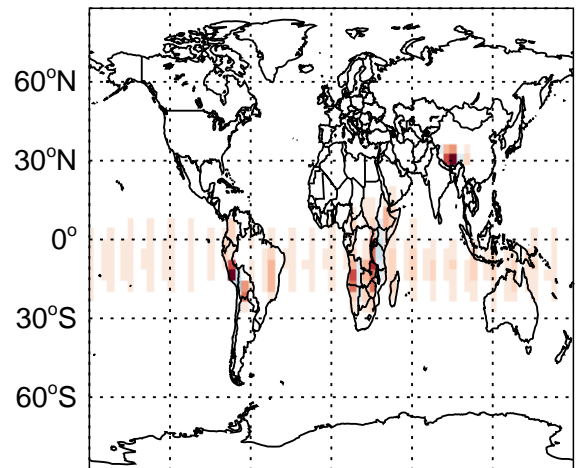
v11-01 - v10-01

JO2 - J-Value Diff @ surface for Oct      JO2 - J-Value Diff @ 500 hPa for Oct



180° 120°W 60°W 0° 60°E 120°E 180°

-2.19e-23 -7.30e-24 7.30e-24 2.19e-23



180° 120°W 60°W 0° 60°E 120°E 180°

-4.69e-20 -1.56e-20 1.56e-20 4.69e-20