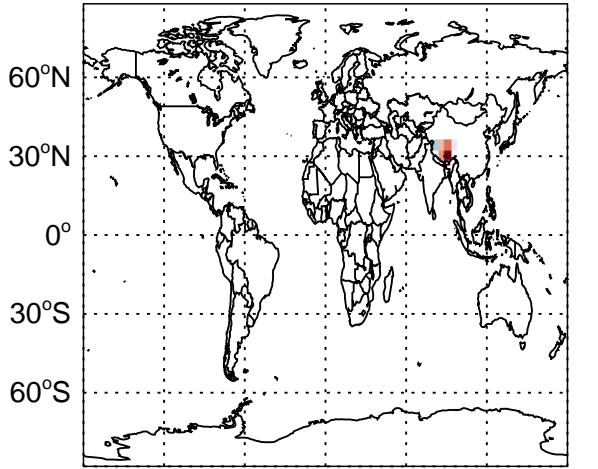


GEOS-Chem J-Values at surface and 500 hPa

v11-01 - v10-01

JNO - J-Value Diff @ surface for Apr

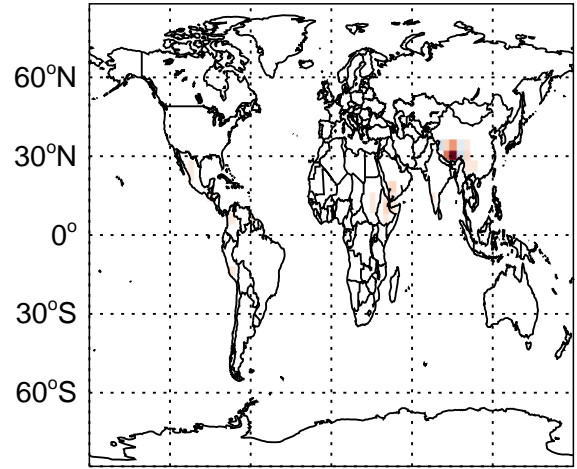


180° 120°W 60°W 0° 60°E 120°E 180°

-5.81e-20 -1.94e-20 1.94e-20 5.81e-20

v11-01 - v10-01

JNO - J-Value Diff @ 500 hPa for Apr

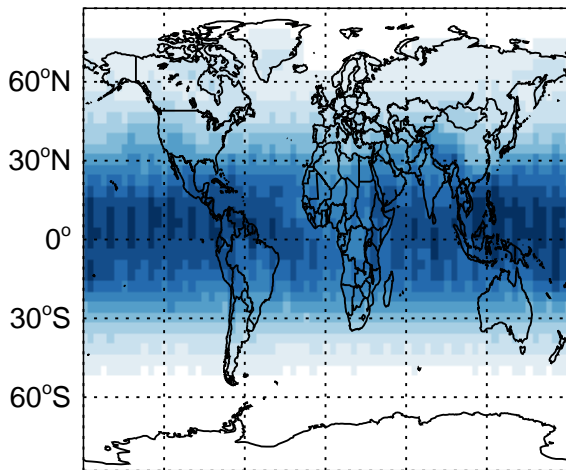


180° 120°W 60°W 0° 60°E 120°E 180°

-4.88e-17 -1.63e-17 1.63e-17 4.88e-17

v11-01 - v10-01

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

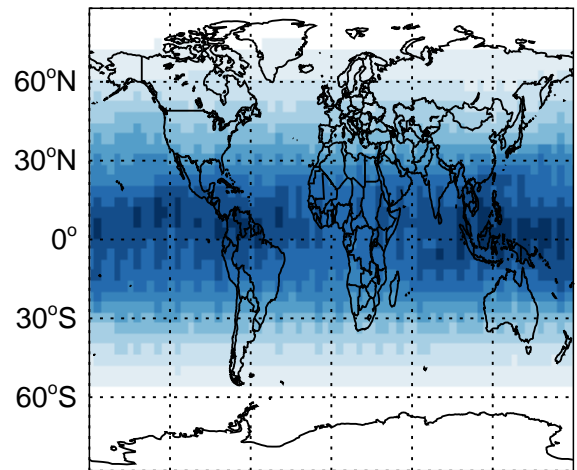


180° 120°W 60°W 0° 60°E 120°E 180°

-5.22e-05 -1.74e-05 1.74e-05 5.22e-05

v11-01 - v10-01

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



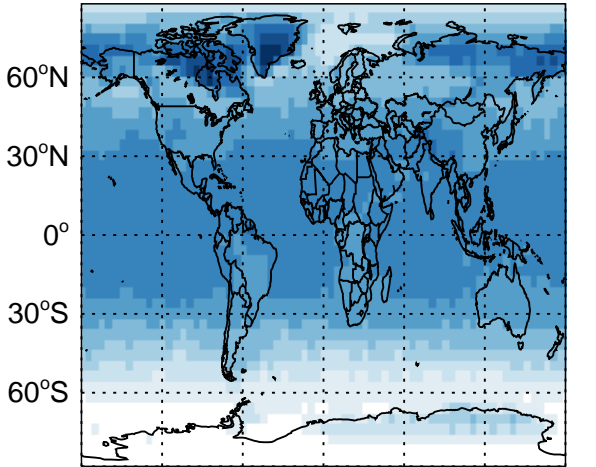
180° 120°W 60°W 0° 60°E 120°E 180°

-8.62e-05 -2.87e-05 2.87e-05 8.62e-05

GEOS-Chem J-Values at surface and 500 hPa

v11-01 - v10-01

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

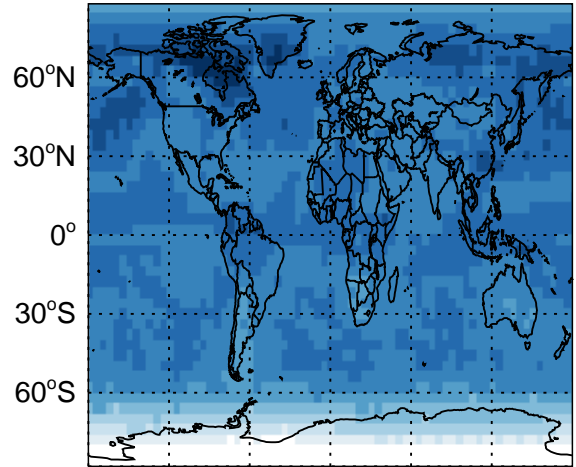


180° 120°W 60°W 0° 60°E 120°E 180°

-7.52e-04 -2.51e-04 2.51e-04 7.52e-04

v11-01 - v10-01

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

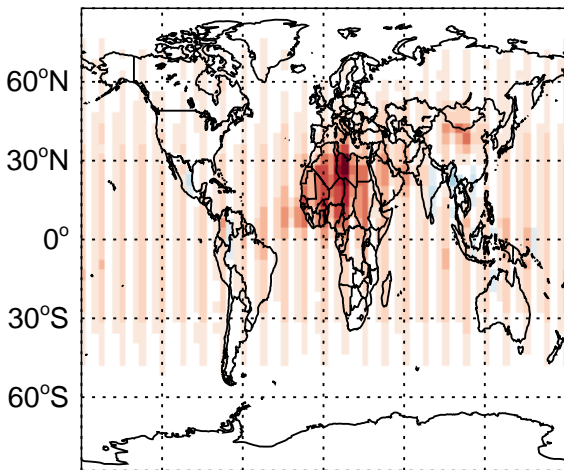


180° 120°W 60°W 0° 60°E 120°E 180°

-8.08e-04 -2.69e-04 2.69e-04 8.08e-04

v11-01 - v10-01

JHNO3 - J-Value Diff @ surface for Apr

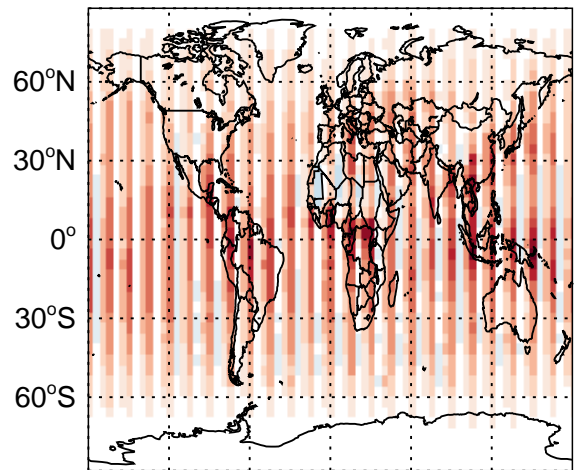


180° 120°W 60°W 0° 60°E 120°E 180°

-6.92e-08 -2.31e-08 2.31e-08 6.92e-08

v11-01 - v10-01

JHNO3 - J-Value Diff @ 500 hPa for Apr



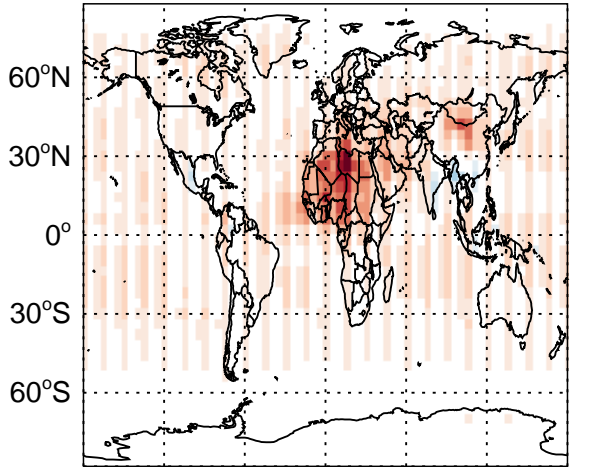
180° 120°W 60°W 0° 60°E 120°E 180°

-4.30e-08 -1.43e-08 1.43e-08 4.30e-08

GEOS-Chem J-Values at surface and 500 hPa

v11-01 - v10-01

JH2O2 - J-Value Diff @ surface for Apr

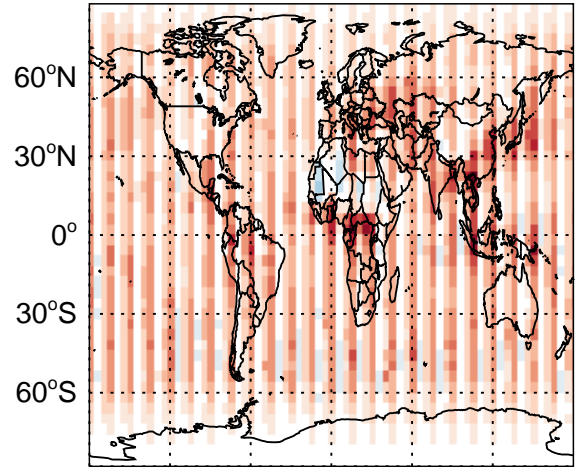


180° 120°W 60°W 0° 60°E 120°E 180°

-6.94e-07 -2.31e-07 2.31e-07 6.94e-07

v11-01 - v10-01

JH2O2 - J-Value Diff @ 500 hPa for Apr

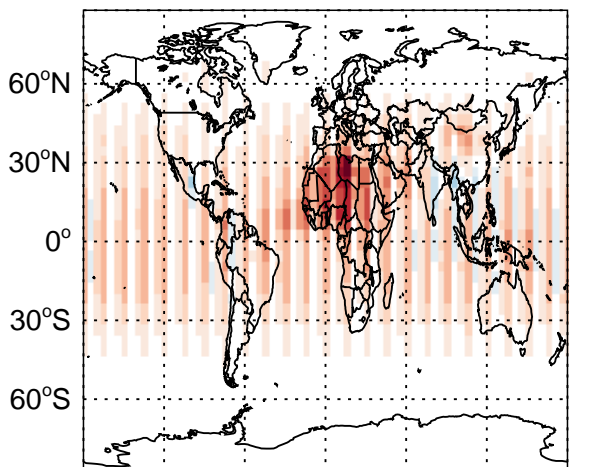


180° 120°W 60°W 0° 60°E 120°E 180°

-3.86e-07 -1.29e-07 1.29e-07 3.86e-07

v11-01 - v10-01

JACET - J-Value Diff @ surface for Apr

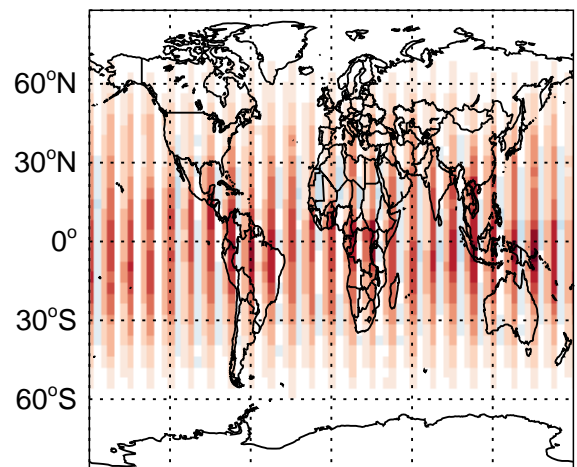


180° 120°W 60°W 0° 60°E 120°E 180°

-8.23e-08 -2.74e-08 2.74e-08 8.23e-08

v11-01 - v10-01

JACET - J-Value Diff @ 500 hPa for Apr



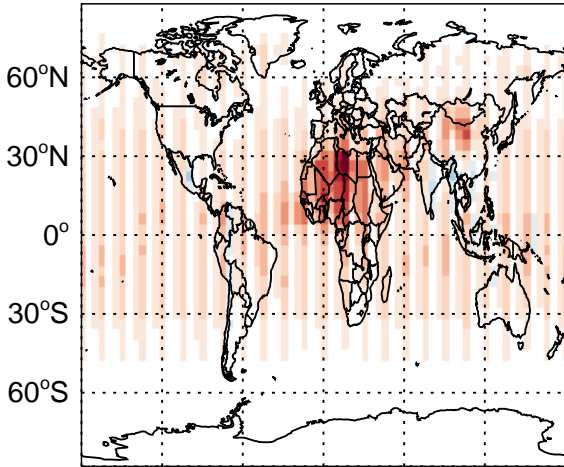
180° 120°W 60°W 0° 60°E 120°E 180°

-6.87e-08 -2.29e-08 2.29e-08 6.87e-08

GEOS-Chem J-Values at surface and 500 hPa

v11-01 - v10-01

JALD2 - J-Value Diff @ surface for Apr

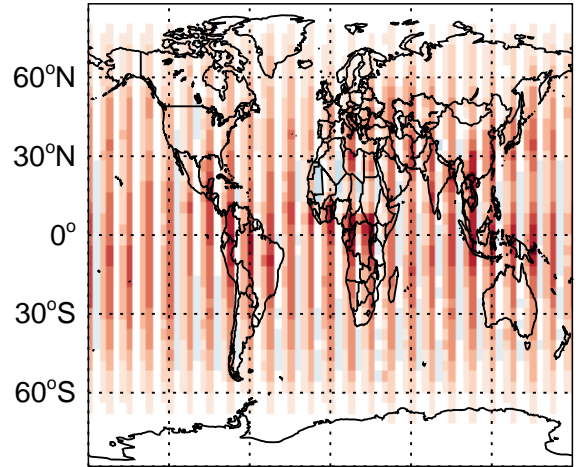


180° 120°W 60°W 0° 60°E 120°E 180°

-4.54e-07 -1.51e-07 1.51e-07 4.54e-07

v11-01 - v10-01

JALD2 - J-Value Diff @ 500 hPa for Apr

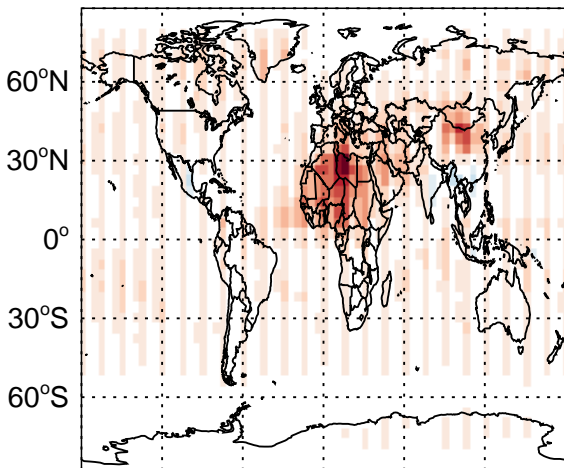


180° 120°W 60°W 0° 60°E 120°E 180°

-5.08e-07 -1.69e-07 1.69e-07 5.08e-07

v11-01 - v10-01

JMVK - J-Value Diff @ surface for Apr

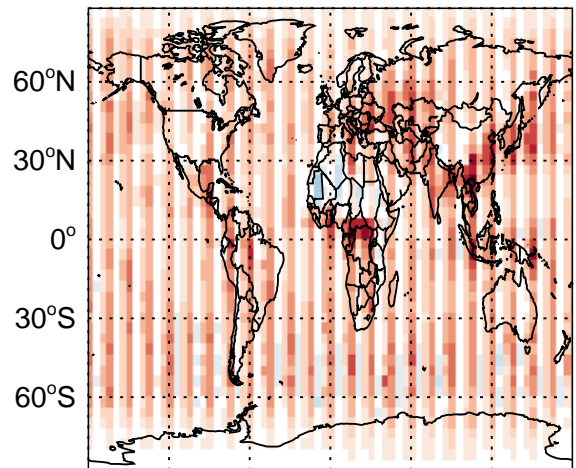


180° 120°W 60°W 0° 60°E 120°E 180°

-4.08e-07 -1.36e-07 1.36e-07 4.08e-07

v11-01 - v10-01

JMVK - J-Value Diff @ 500 hPa for Apr



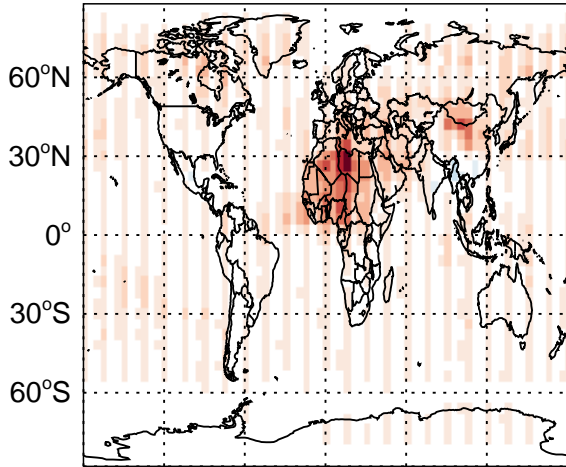
180° 120°W 60°W 0° 60°E 120°E 180°

-3.73e-07 -1.24e-07 1.24e-07 3.73e-07

GEOS-Chem J-Values at surface and 500 hPa

v11-01 - v10-01

JMACR - J-Value Diff @ surface for Apr

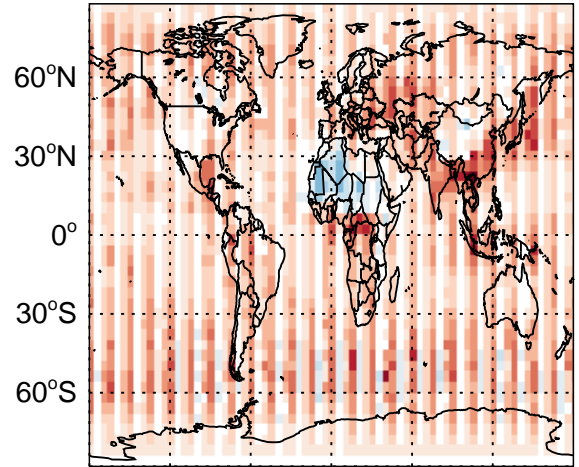


180° 120°W 60°W 0° 60°E 120°E 180°

-1.24e-07 -4.14e-08 4.14e-08 1.24e-08

v11-01 - v10-01

JMACR - J-Value Diff @ 500 hPa for Apr

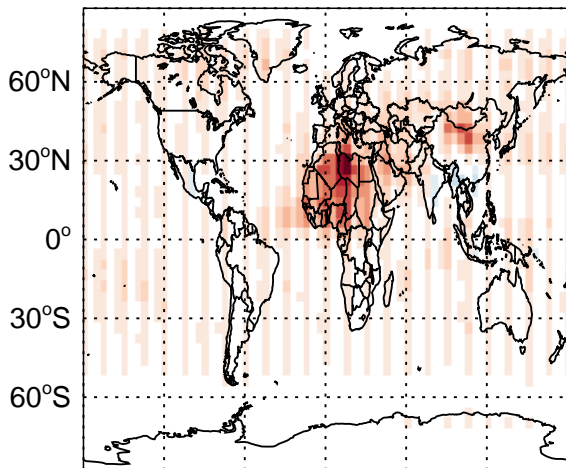


180° 120°W 60°W 0° 60°E 120°E 180°

-6.88e-08 -2.29e-08 2.29e-08 6.88e-08

v11-01 - v10-01

JCH2O - J-Value Diff @ surface for Apr

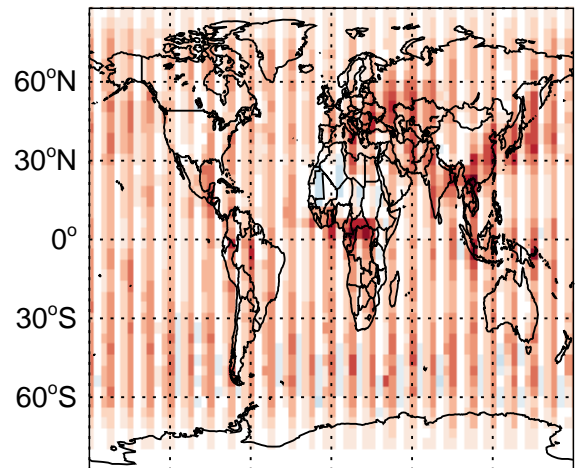


180° 120°W 60°W 0° 60°E 120°E 180°

-8.10e-06 -2.70e-06 2.70e-06 8.10e-06

v11-01 - v10-01

JCH2O - J-Value Diff @ 500 hPa for Apr



180° 120°W 60°W 0° 60°E 120°E 180°

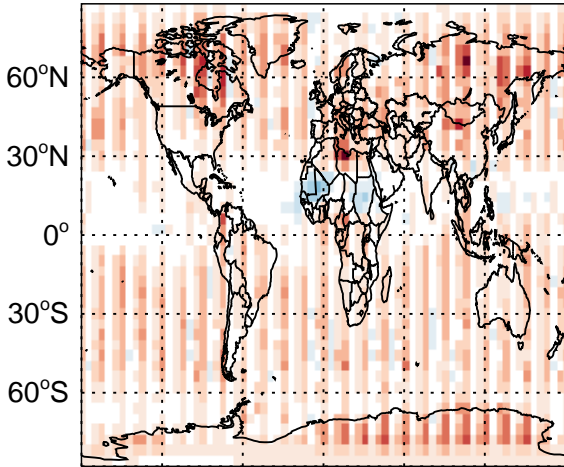
-4.52e-06 -1.51e-06 1.51e-06 4.52e-06



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

v11-01 - v10-01

JBr2 - J-Value Diff @ surface for Apr

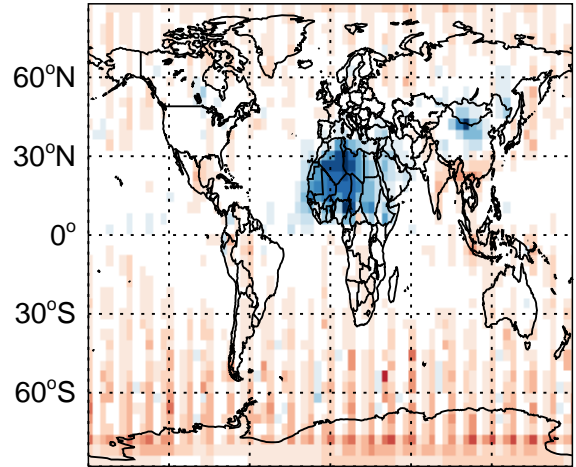


180° 120°W 60°W 0° 60°E 120°E 180°

-1.15e-03 -3.83e-04 3.83e-04 1.15e-03

v11-01 - v10-01

JBr2 - J-Value Diff @ 500 hPa for Apr

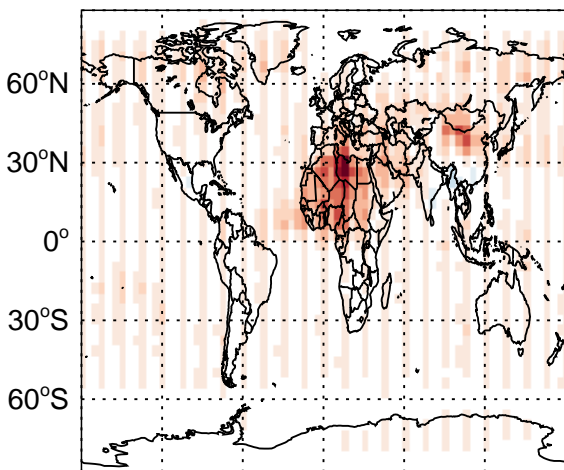


180° 120°W 60°W 0° 60°E 120°E 180°

-1.75e-03 -5.84e-04 5.84e-04 1.75e-03

v11-01 - v10-01

JBrO - J-Value Diff @ surface for Apr

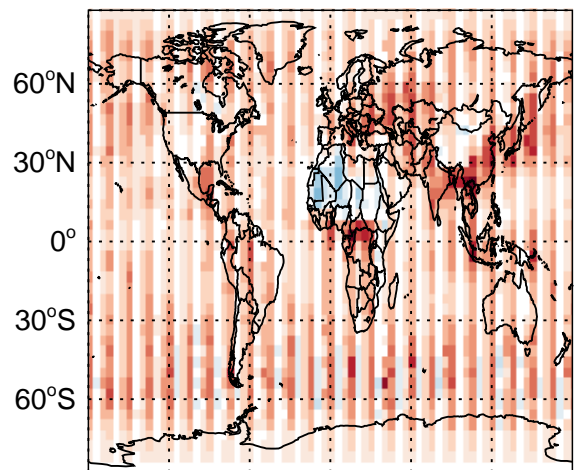


180° 120°W 60°W 0° 60°E 120°E 180°

-3.21e-03 -1.07e-03 1.07e-03 3.21e-03

v11-01 - v10-01

JBrO - J-Value Diff @ 500 hPa for Apr



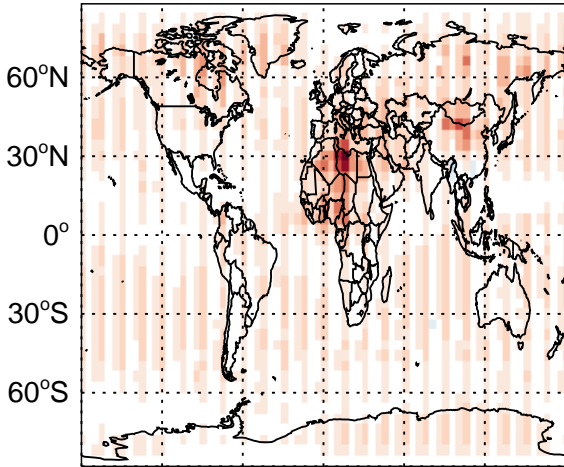
180° 120°W 60°W 0° 60°E 120°E 180°

-1.74e-03 -5.79e-04 5.79e-04 1.74e-03

GEOS-Chem J-Values at surface and 500 hPa

v11-01 - v10-01

JHOBr - J-Value Diff @ surface for Apr

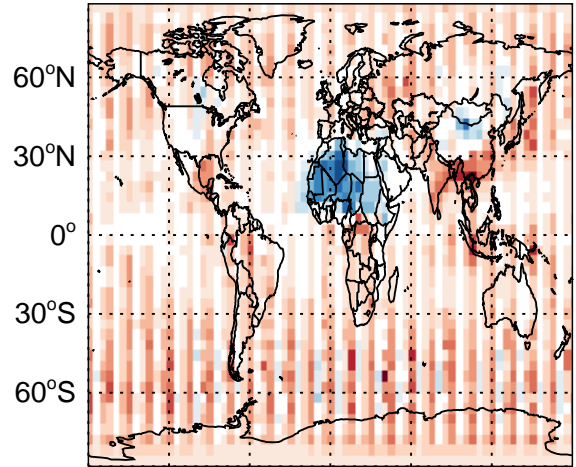


180° 120°W 60°W 0° 60°E 120°E 180°

-1.33e-04 -4.43e-05 4.43e-05 1.33e-04

v11-01 - v10-01

JHOBr - J-Value Diff @ 500 hPa for Apr

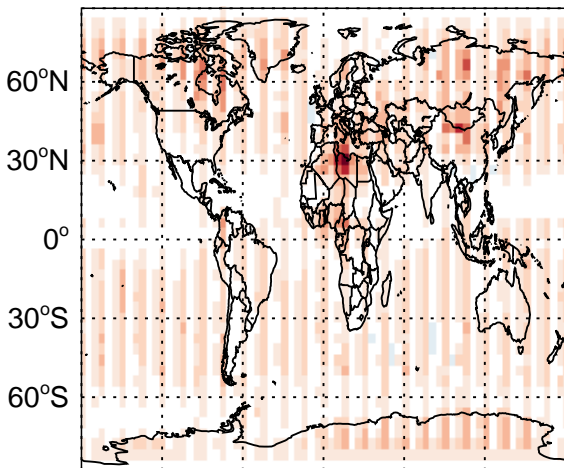


180° 120°W 60°W 0° 60°E 120°E 180°

-8.72e-05 -2.91e-05 2.91e-05 8.72e-05

v11-01 - v10-01

JBrNO2 - J-Value Diff @ surface for Apr

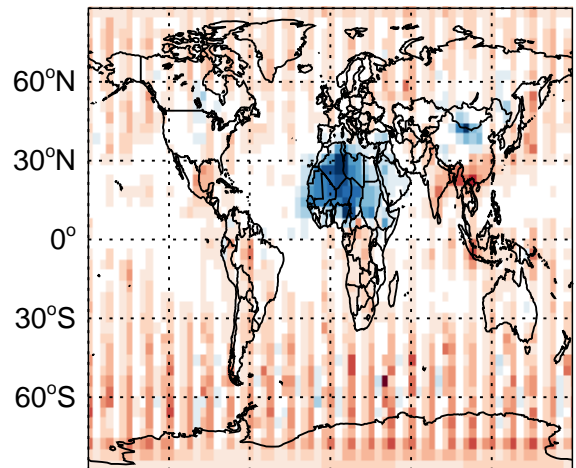


180° 120°W 60°W 0° 60°E 120°E 180°

-3.12e-04 -1.04e-04 1.04e-04 3.12e-04

v11-01 - v10-01

JBrNO2 - J-Value Diff @ 500 hPa for Apr



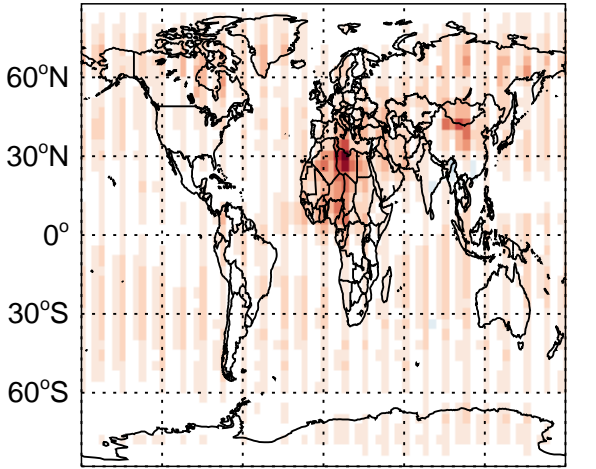
180° 120°W 60°W 0° 60°E 120°E 180°

-2.74e-04 -9.13e-05 9.13e-05 2.74e-04

GEOS-Chem J-Values at surface and 500 hPa

v11-01 - v10-01

JBrNO3 - J-Value Diff @ surface for Apr

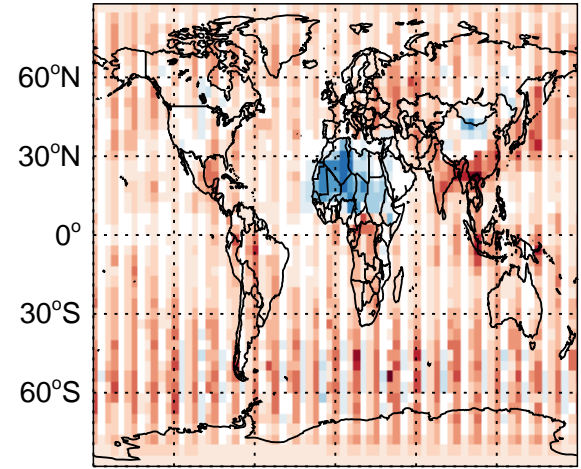


180° 120°W 60°W 0° 60°E 120°E 180°

-8.93e-05 -2.98e-05 2.98e-05 8.93e-05

v11-01 - v10-01

JBrNO3 - J-Value Diff @ 500 hPa for Apr

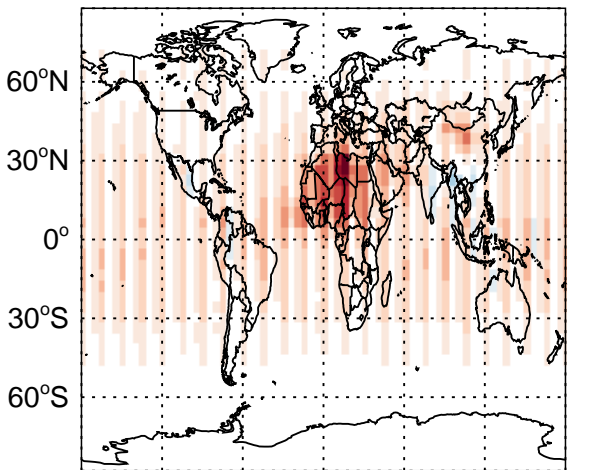


180° 120°W 60°W 0° 60°E 120°E 180°

-5.19e-05 -1.73e-05 1.73e-05 5.19e-05

v11-01 - v10-01

JCHBr3 - J-Value Diff @ surface for Apr

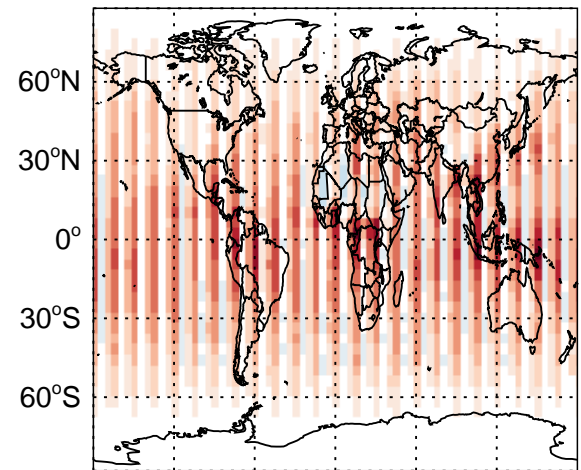


180° 120°W 60°W 0° 60°E 120°E 180°

-1.53e-07 -5.11e-08 5.11e-08 1.53e-07

v11-01 - v10-01

JCHBr3 - J-Value Diff @ 500 hPa for Apr



180° 120°W 60°W 0° 60°E 120°E 180°

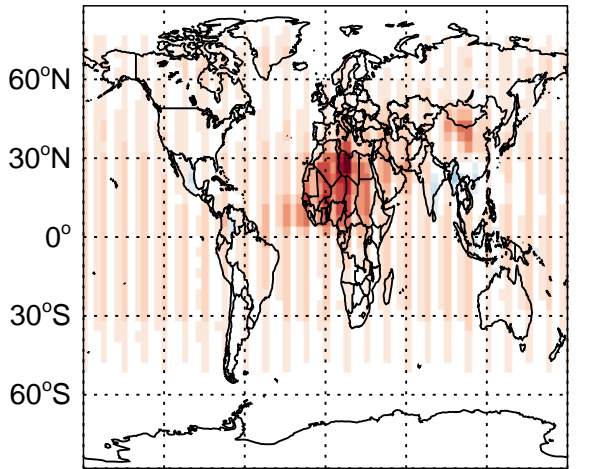
-8.81e-08 -2.94e-08 2.94e-08 8.81e-08



GEOS-Chem J-Values at surface and 500 hPa

v11-01 - v10-01

JHAC - J-Value Diff @ surface for Apr

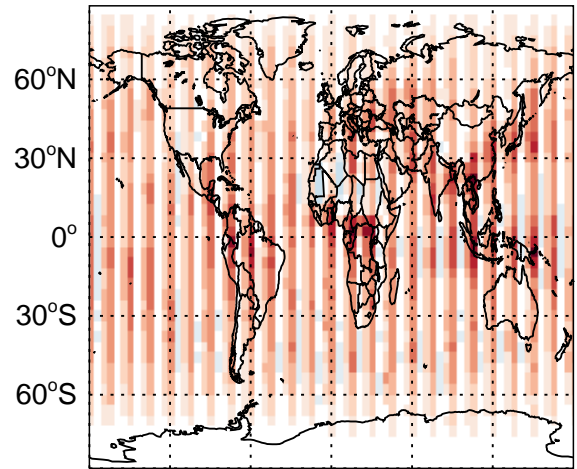


180° 120°W 60°W 0° 60°E 120°E 180°

-2.08e-07 -6.93e-08 6.93e-08 2.08e-07

v11-01 - v10-01

JHAC - J-Value Diff @ 500 hPa for Apr

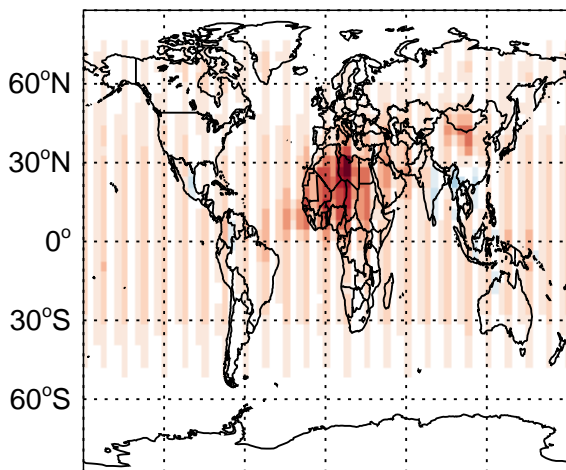


180° 120°W 60°W 0° 60°E 120°E 180°

-1.37e-07 -4.57e-08 4.57e-08 1.37e-07

v11-01 - v10-01

JGLYC - J-Value Diff @ surface for Apr

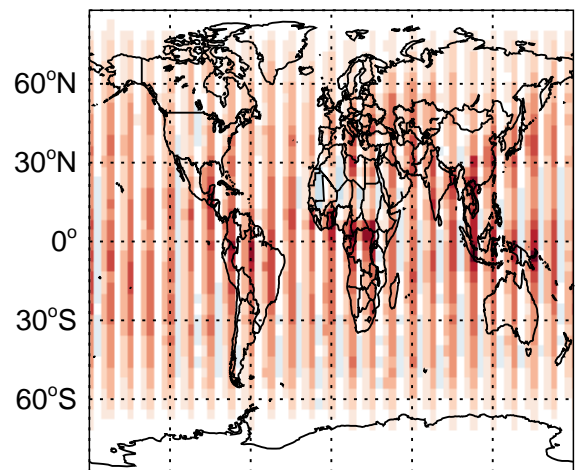


180° 120°W 60°W 0° 60°E 120°E 180°

-1.20e-06 -4.01e-07 4.01e-07 1.20e-06

v11-01 - v10-01

JGLYC - J-Value Diff @ 500 hPa for Apr



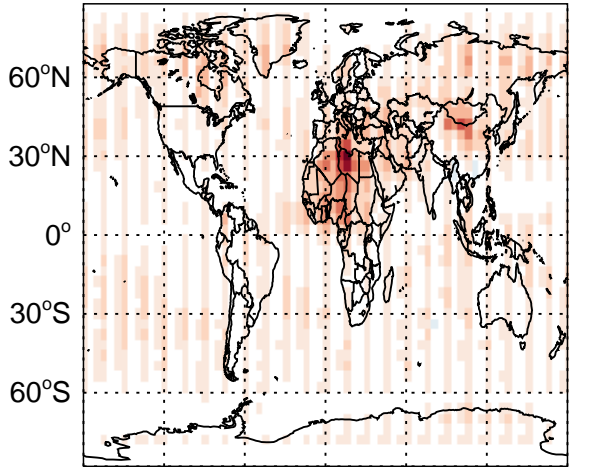
180° 120°W 60°W 0° 60°E 120°E 180°

-8.43e-07 -2.81e-07 2.81e-07 8.43e-07

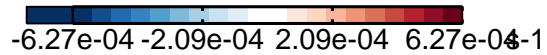
GEOS-Chem J-Values at surface and 500 hPa

v11-01 - v10-01

JNO2 - J-Value Diff @ surface for Apr

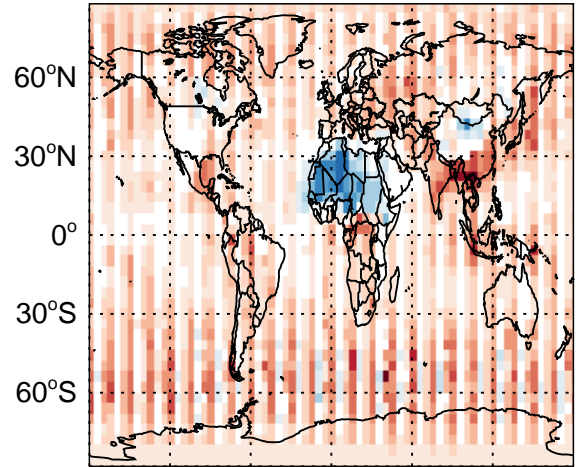


180° 120°W 60°W 0° 60°E 120°E 180°

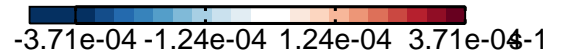


v11-01 - v10-01

JNO2 - J-Value Diff @ 500 hPa for Apr

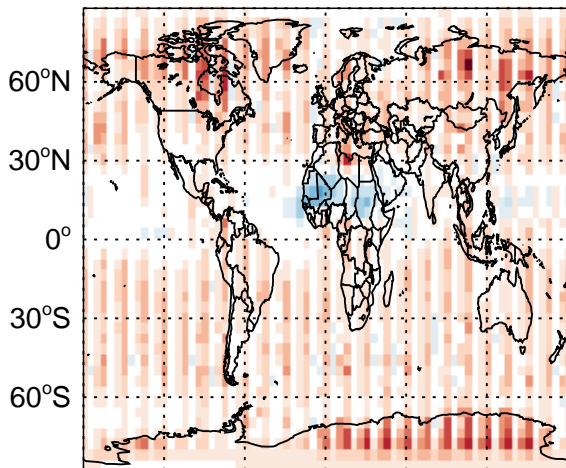


180° 120°W 60°W 0° 60°E 120°E 180°

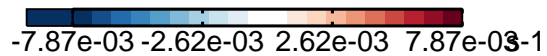


v11-01 - v10-01

JNO3 - J-Value Diff @ surface for Apr

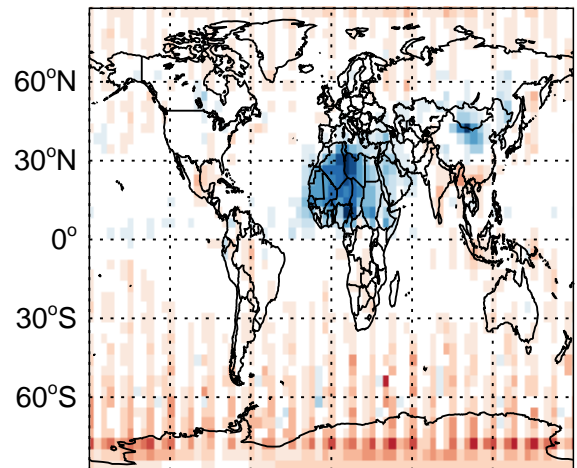


180° 120°W 60°W 0° 60°E 120°E 180°

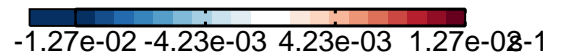


v11-01 - v10-01

JNO3 - J-Value Diff @ 500 hPa for Apr



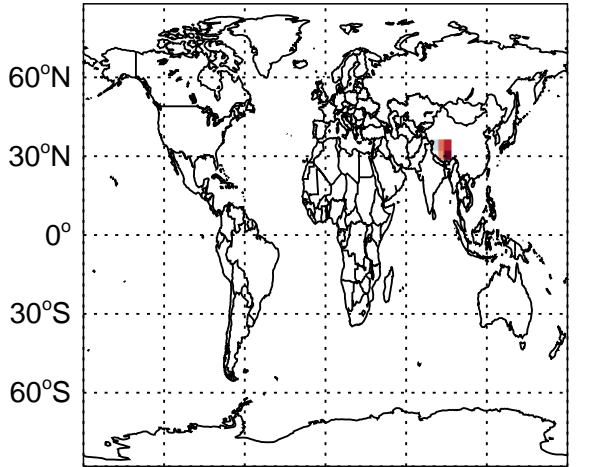
180° 120°W 60°W 0° 60°E 120°E 180°



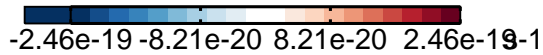
GEOS-Chem J-Values at surface and 500 hPa

v11-01 - v10-01

JN2O - J-Value Diff @ surface for Apr

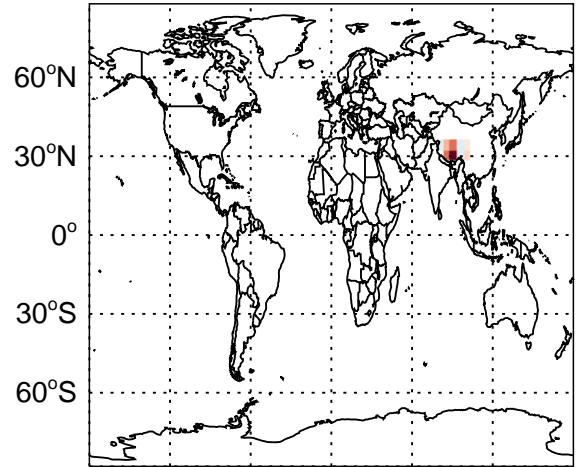


180° 120°W 60°W 0° 60°E 120°E 180°

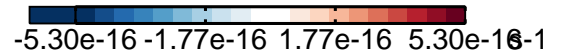


v11-01 - v10-01

JN2O - J-Value Diff @ 500 hPa for Apr

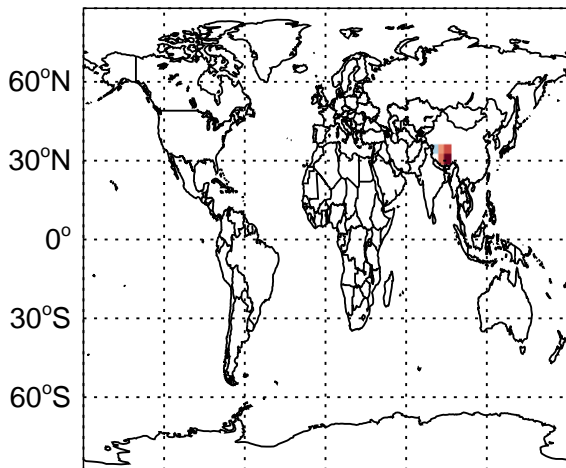


180° 120°W 60°W 0° 60°E 120°E 180°

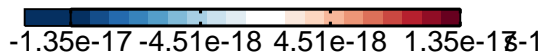


v11-01 - v10-01

JCCI4 - J-Value Diff @ surface for Apr

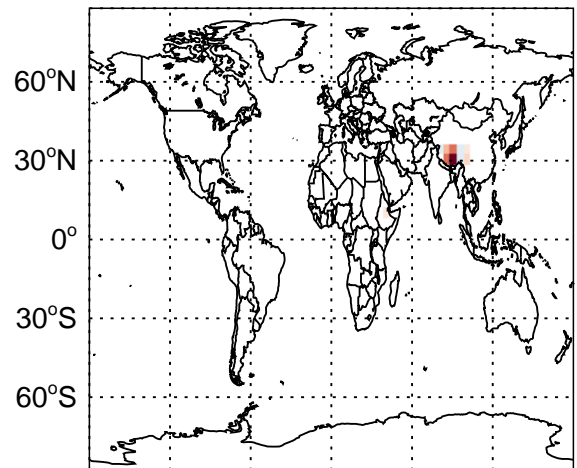


180° 120°W 60°W 0° 60°E 120°E 180°

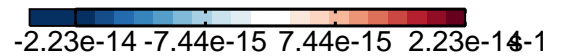


v11-01 - v10-01

JCCI4 - J-Value Diff @ 500 hPa for Apr



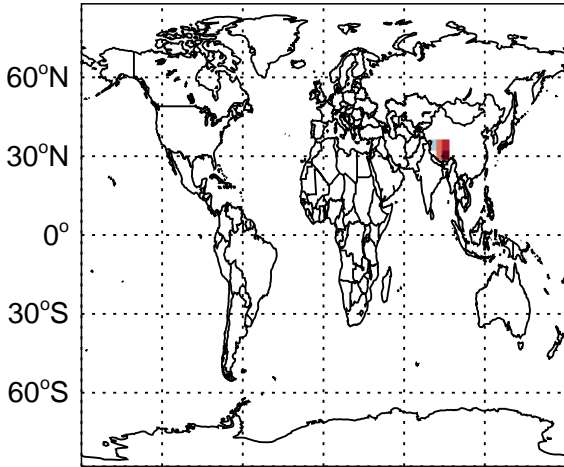
180° 120°W 60°W 0° 60°E 120°E 180°



GEOS-Chem J-Values at surface and 500 hPa

v11-01 - v10-01

JCH3Cl - J-Value Diff @ surface for Apr

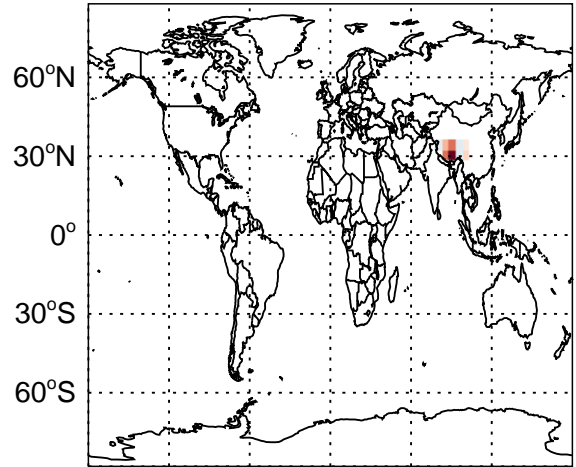


180° 120°W 60°W 0° 60°E 120°E 180°

-8.39e-20 -2.80e-20 2.80e-20 8.39e-20

v11-01 - v10-01

JCH3Cl - J-Value Diff @ 500 hPa for Apr

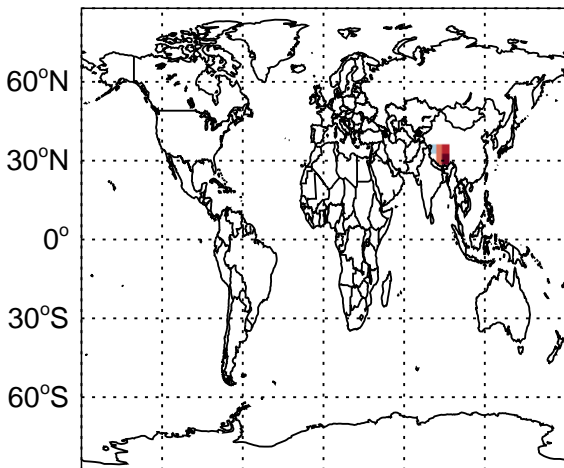


180° 120°W 60°W 0° 60°E 120°E 180°

-2.12e-16 -7.08e-17 7.08e-17 2.12e-16

v11-01 - v10-01

JCFC11 - J-Value Diff @ surface for Apr

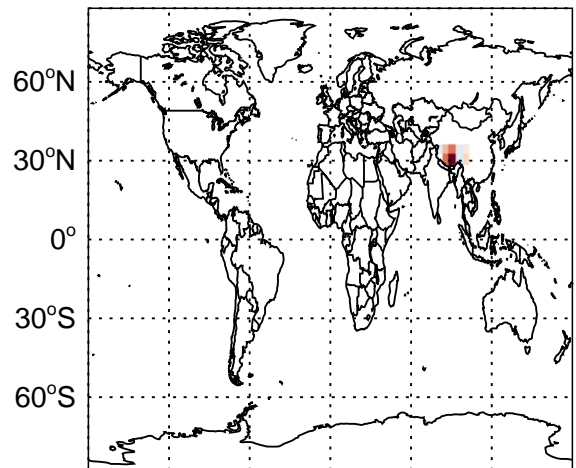


180° 120°W 60°W 0° 60°E 120°E 180°

-4.76e-18 -1.59e-18 1.59e-18 4.76e-18

v11-01 - v10-01

JCFC11 - J-Value Diff @ 500 hPa for Apr



180° 120°W 60°W 0° 60°E 120°E 180°

-1.02e-14 -3.40e-15 3.40e-15 1.02e-14

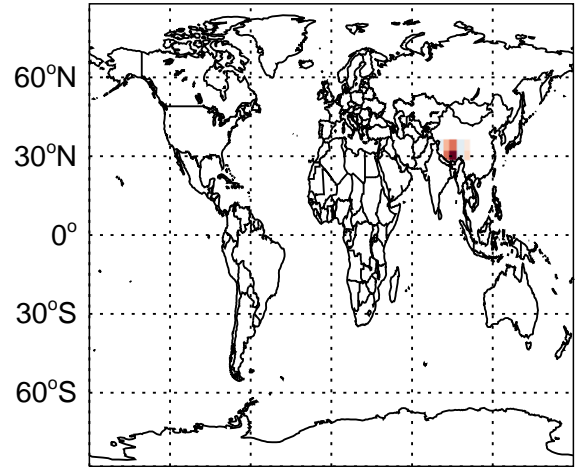
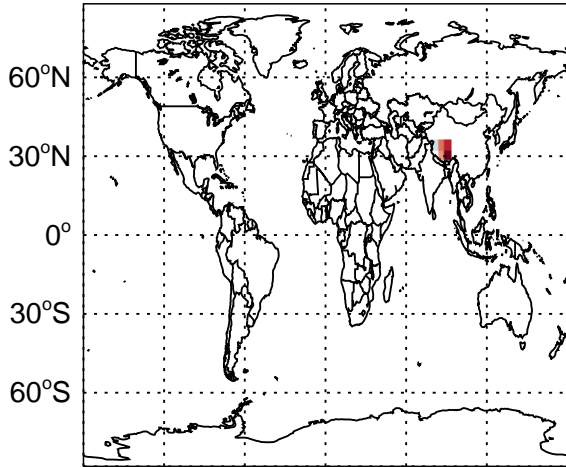
GEOS-Chem J-Values at surface and 500 hPa

v11-01 - v10-01

v11-01 - v10-01

JCFC12 - J-Value Diff @ surface for Apr

JCFC12 - J-Value Diff @ 500 hPa for Apr



180° 120°W 60°W 0° 60°E 120°E 180°

180° 120°W 60°W 0° 60°E 120°E 180°

-3.35e-19 -1.12e-19 1.12e-19 3.35e-19

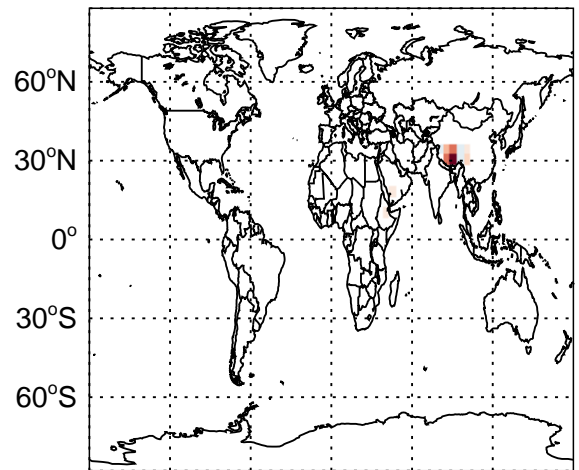
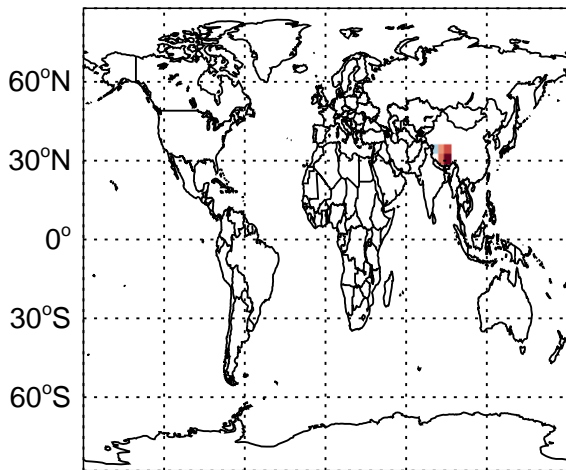
-8.17e-16 -2.72e-16 2.72e-16 8.17e-16

v11-01 - v10-01

v11-01 - v10-01

JO2 - J-Value Diff @ surface for Apr

JO2 - J-Value Diff @ 500 hPa for Apr



180° 120°W 60°W 0° 60°E 120°E 180°

180° 120°W 60°W 0° 60°E 120°E 180°

-1.99e-22 -6.62e-23 6.62e-23 1.99e-22

-3.16e-19 -1.05e-19 1.05e-19 3.16e-19