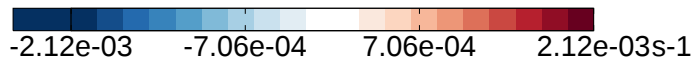
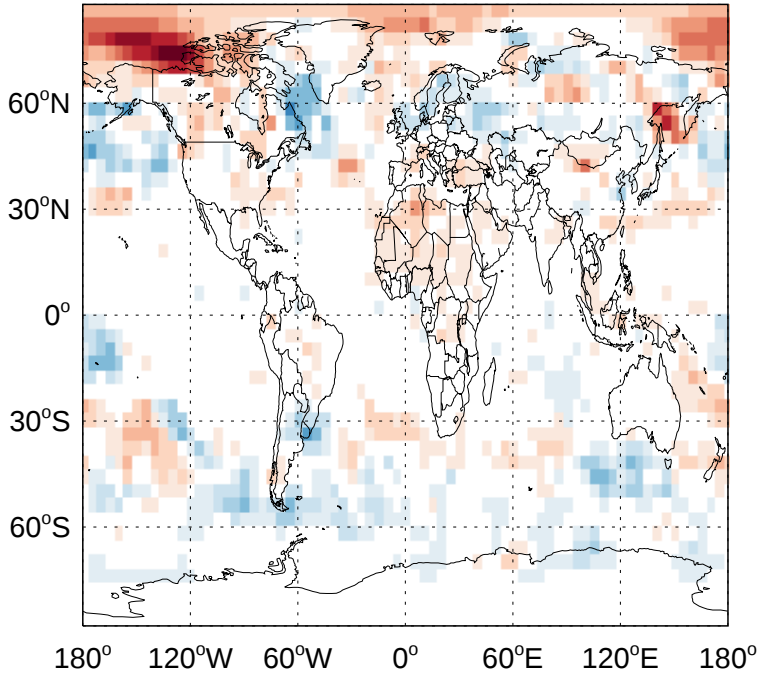


GEOS-Chem J-Values at surface and 500 hPa

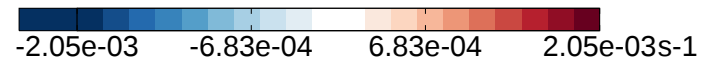
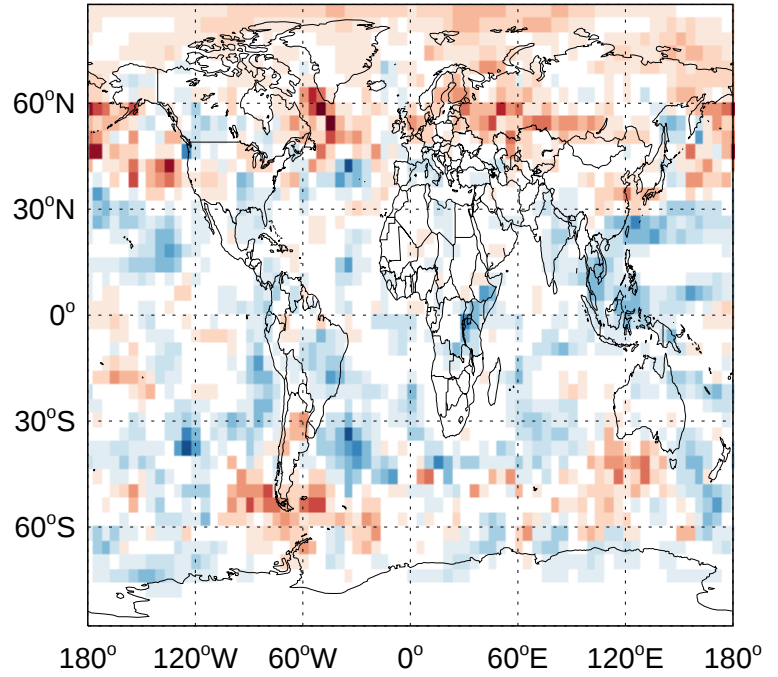
v11-02e-Run1 - v11-02e-Run0

JNO2 - J-Value Diff @ surface for Apr



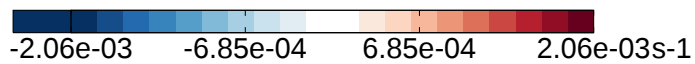
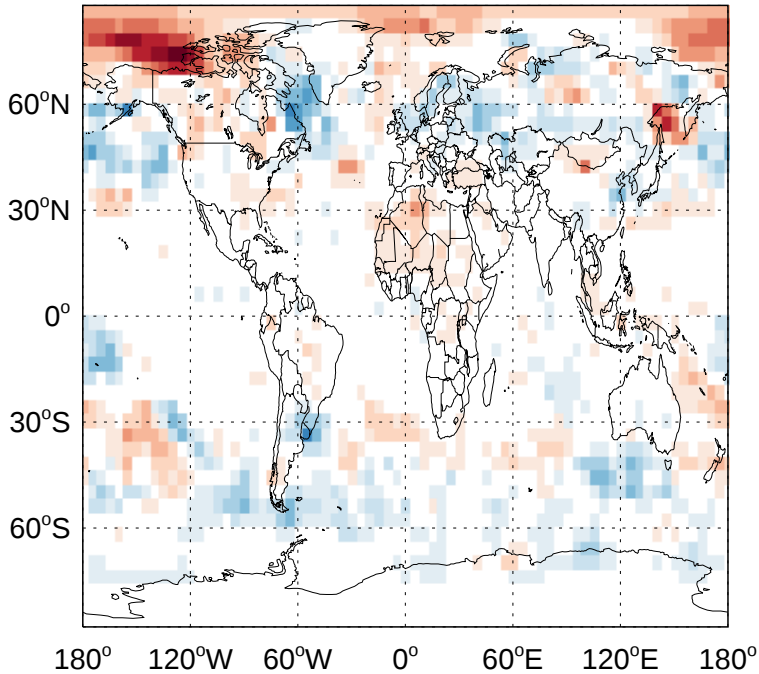
v11-02e-Run1 - v11-02e-Run0

JNO2 - J-Value Diff @ 500 hPa for Apr



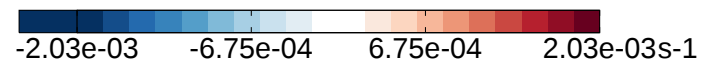
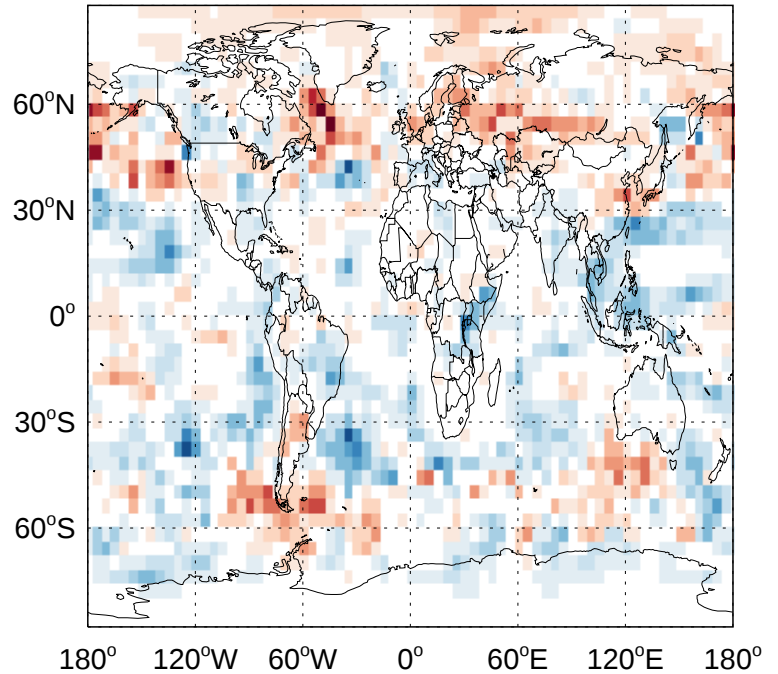
v11-02e-Run1 - v11-02d-Run1

JNO2 - J-Value Diff @ surface for Apr



v11-02e-Run1 - v11-02d-Run1

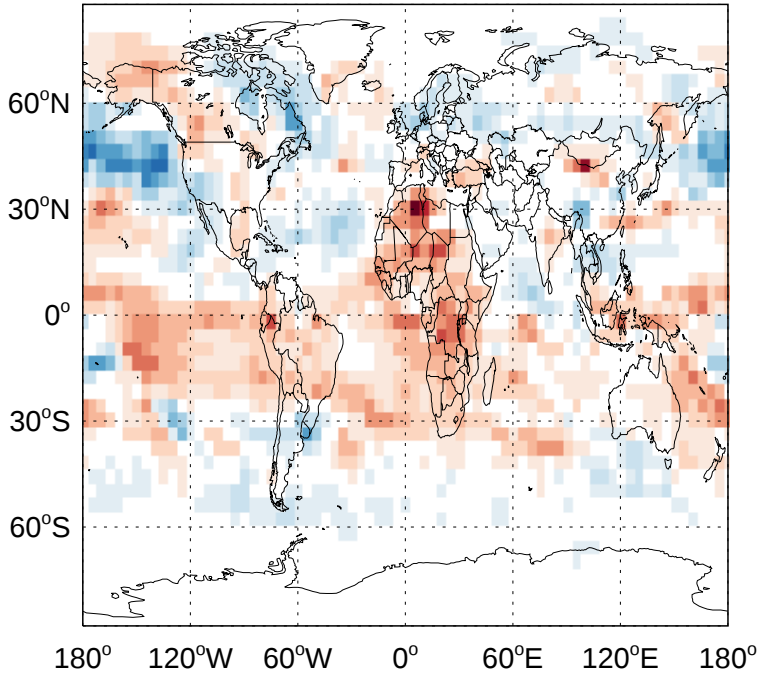
JNO2 - J-Value Diff @ 500 hPa for Apr



GEOS-Chem J-Values at surface and 500 hPa

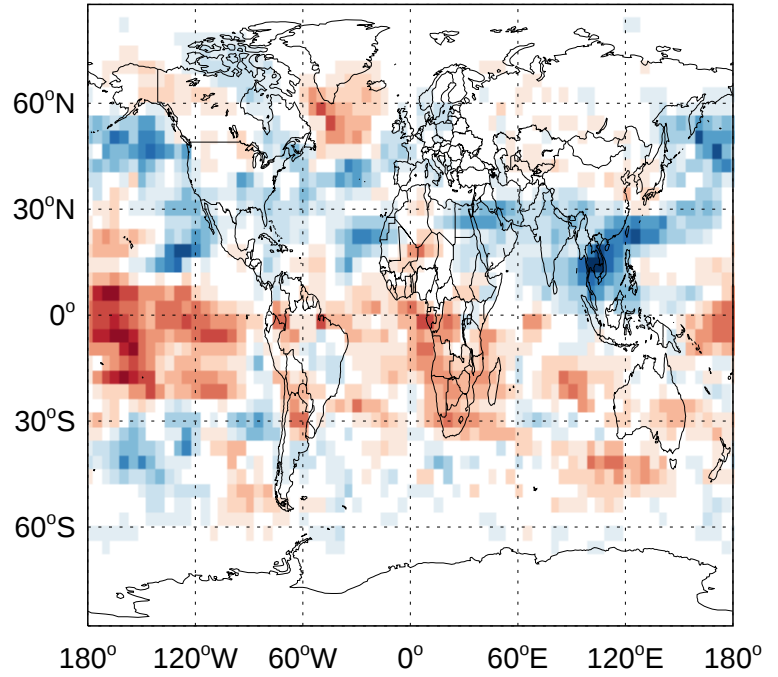
v11-02e-Run1 - v11-02e-Run0

JHNO3 - J-Value Diff @ surface for Apr



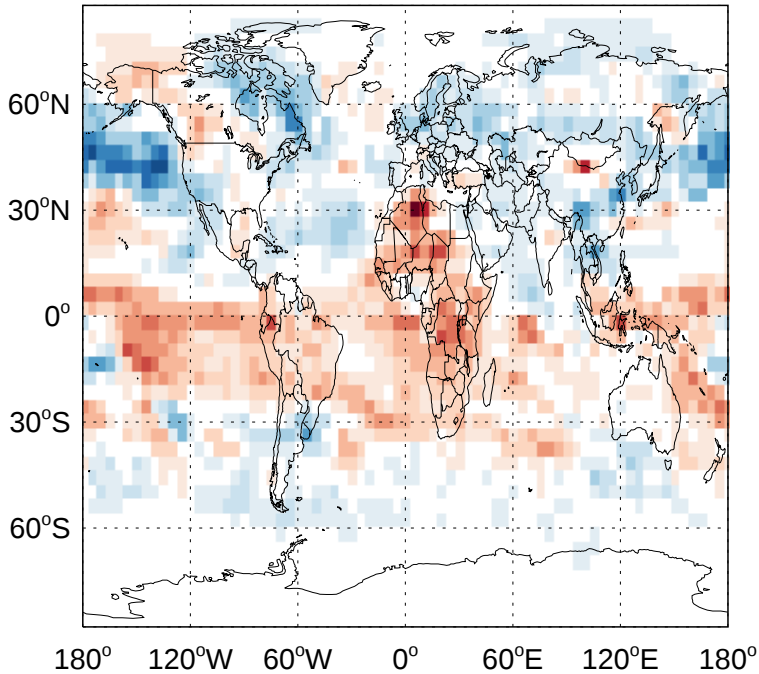
v11-02e-Run1 - v11-02e-Run0

JHNO3 - J-Value Diff @ 500 hPa for Apr



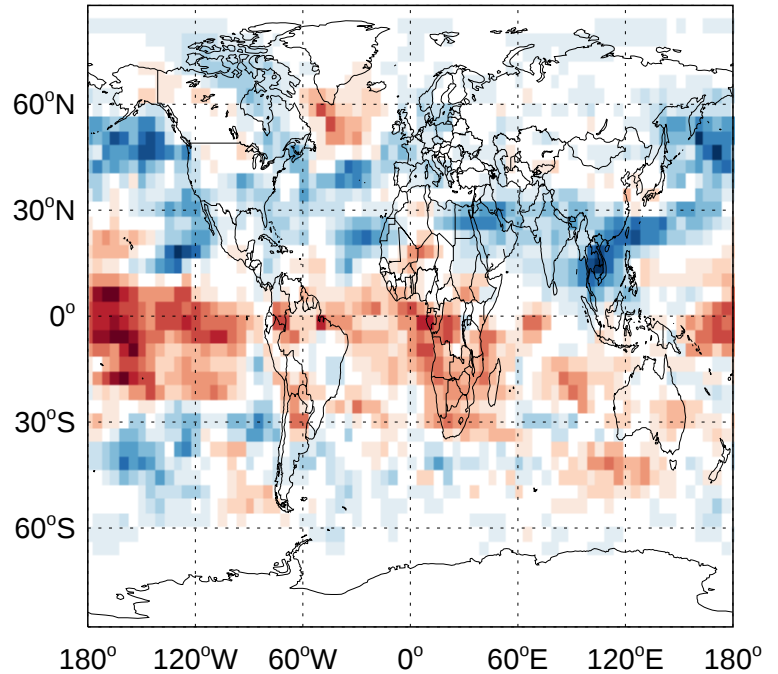
v11-02e-Run1 - v11-02d-Run1

JHNO3 - J-Value Diff @ surface for Apr



v11-02e-Run1 - v11-02d-Run1

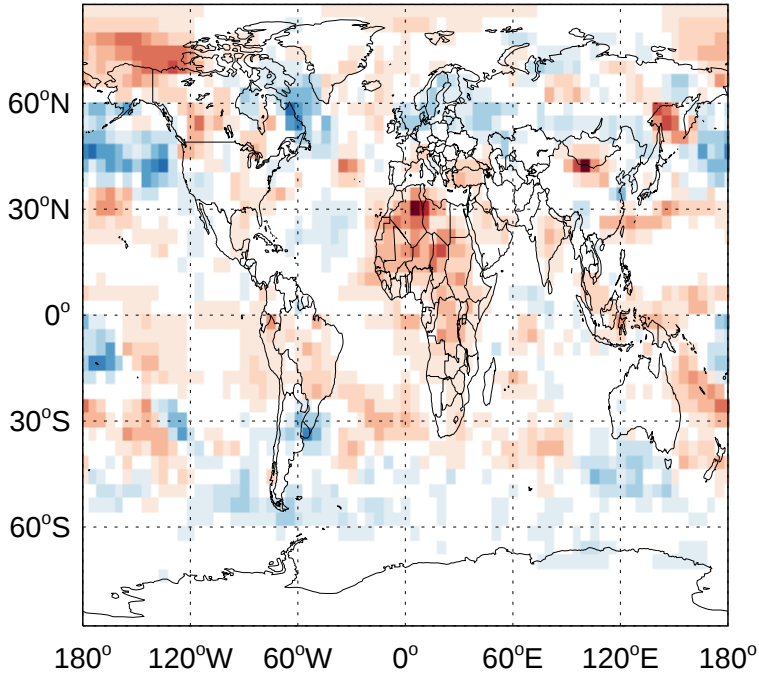
JHNO3 - J-Value Diff @ 500 hPa for Apr



GEOS-Chem J-Values at surface and 500 hPa

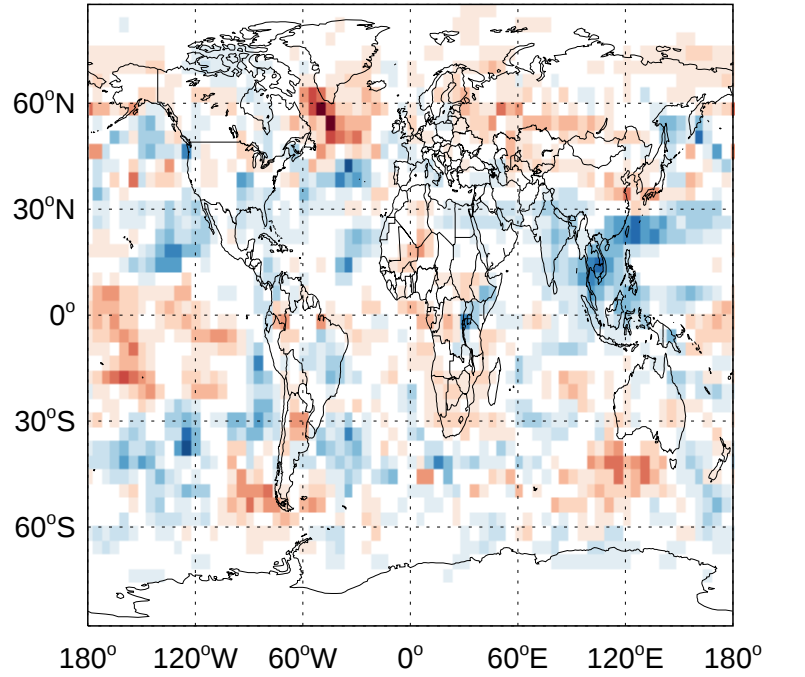
v11-02e-Run1 - v11-02e-Run0

JH2O2 - J-Value Diff @ surface for Apr



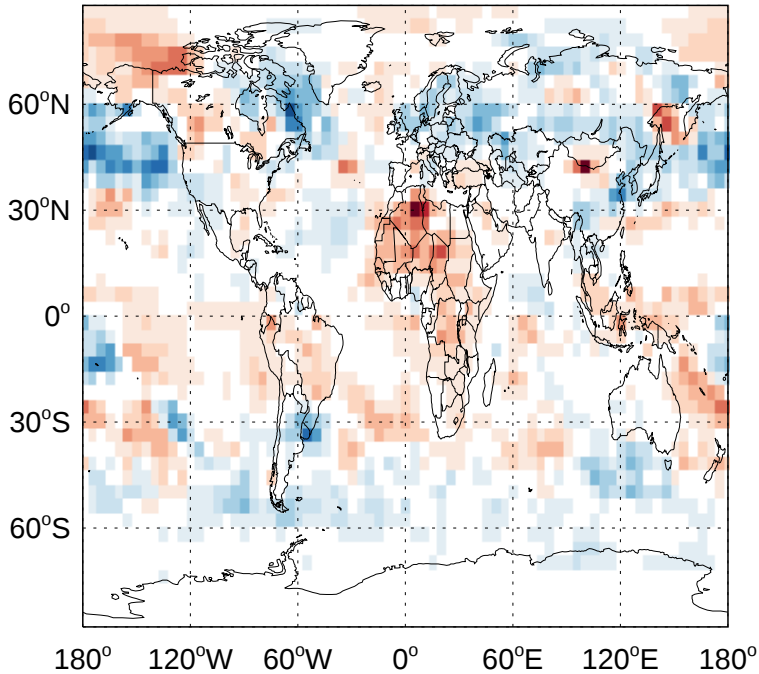
v11-02e-Run1 - v11-02e-Run0

JH2O2 - J-Value Diff @ 500 hPa for Apr



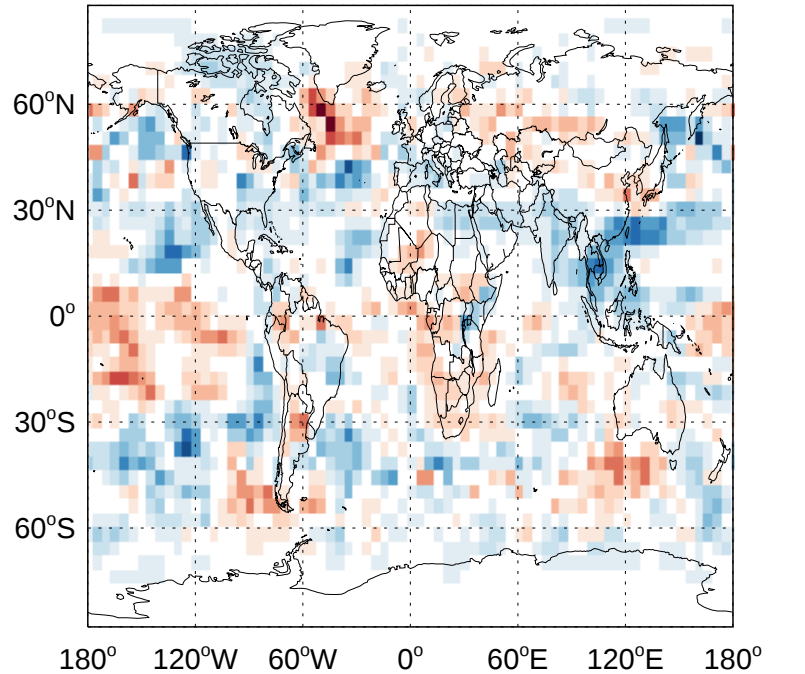
v11-02e-Run1 - v11-02d-Run1

JH2O2 - J-Value Diff @ surface for Apr



v11-02e-Run1 - v11-02d-Run1

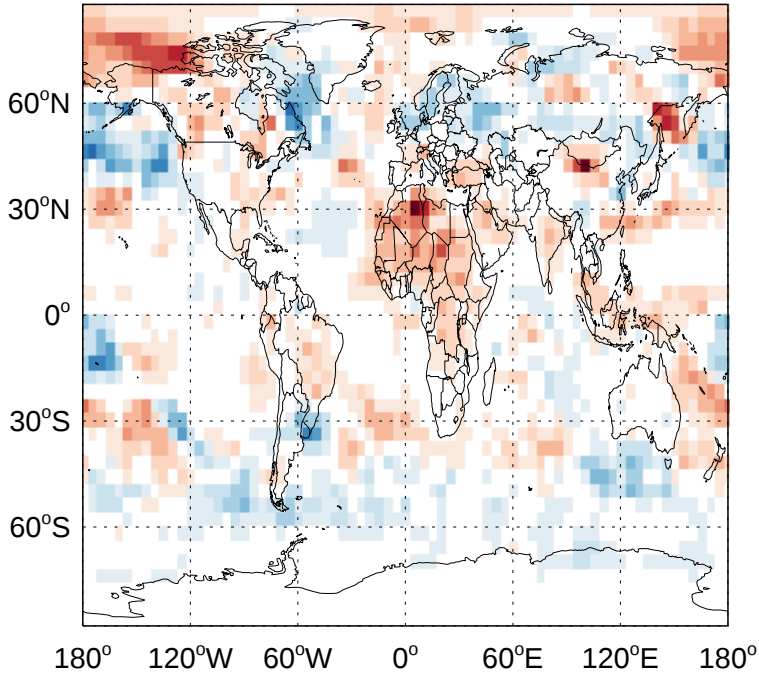
JH2O2 - J-Value Diff @ 500 hPa for Apr



GEOS-Chem J-Values at surface and 500 hPa

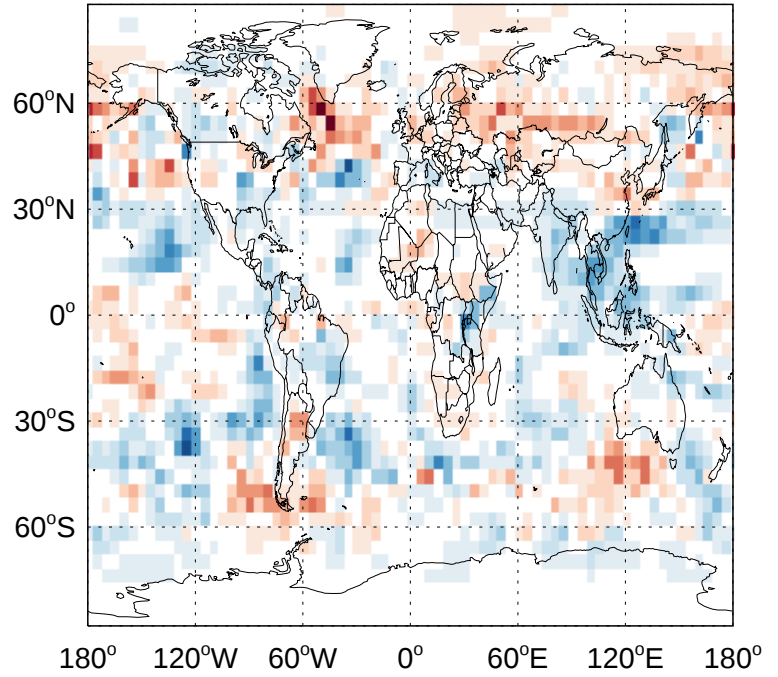
v11-02e-Run1 - v11-02e-Run0

JCH2O - J-Value Diff @ surface for Apr



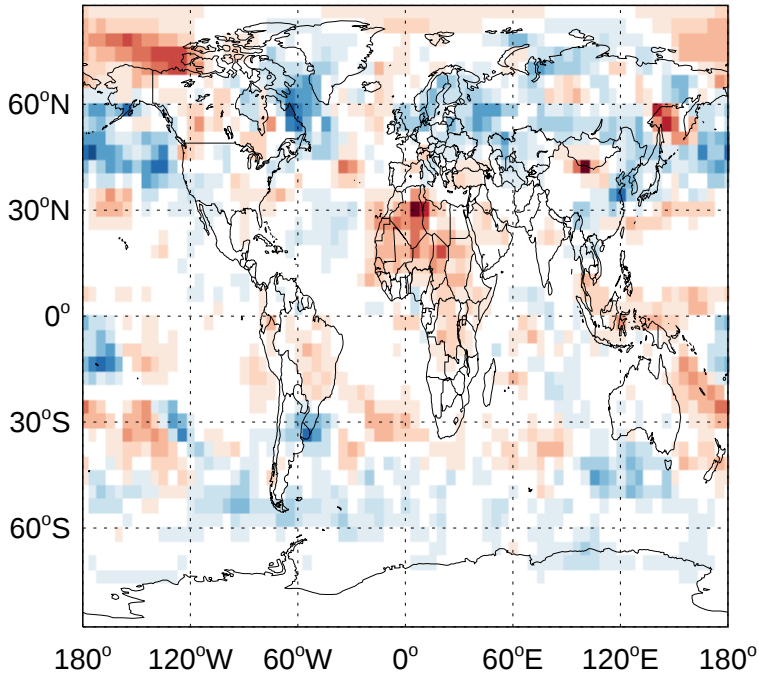
v11-02e-Run1 - v11-02e-Run0

JCH2O - J-Value Diff @ 500 hPa for Apr



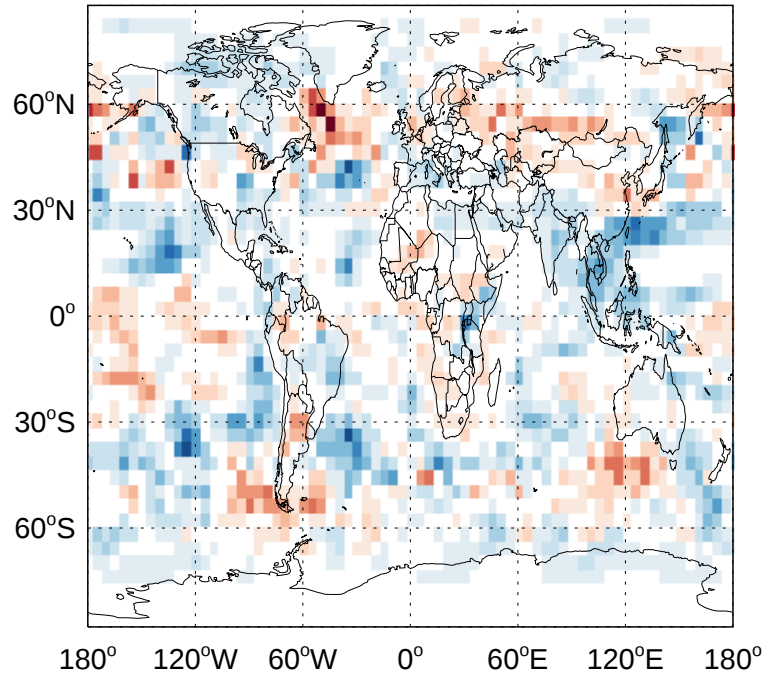
v11-02e-Run1 - v11-02d-Run1

JCH2O - J-Value Diff @ surface for Apr



v11-02e-Run1 - v11-02d-Run1

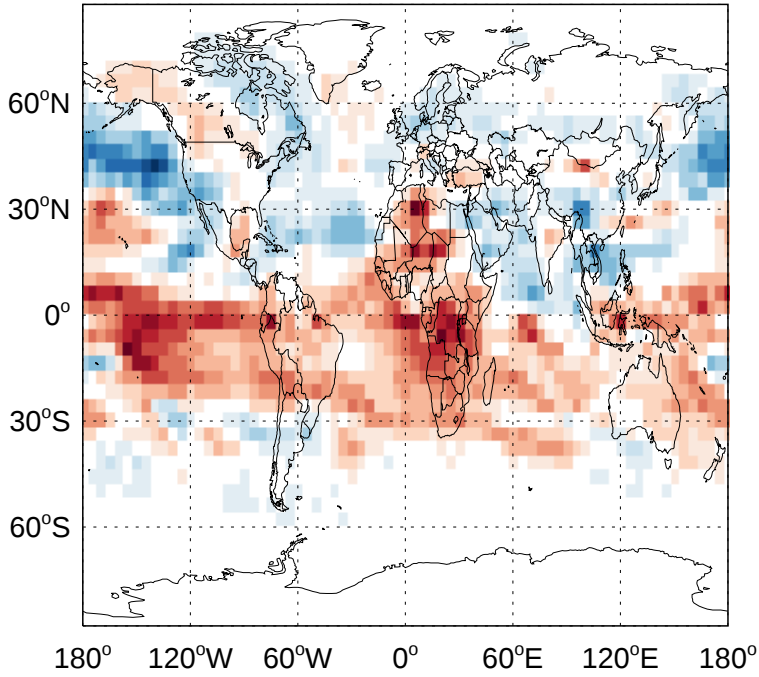
JCH2O - J-Value Diff @ 500 hPa for Apr



GEOS-Chem J-Values at surface and 500 hPa

v11-02e-Run1 - v11-02e-Run0

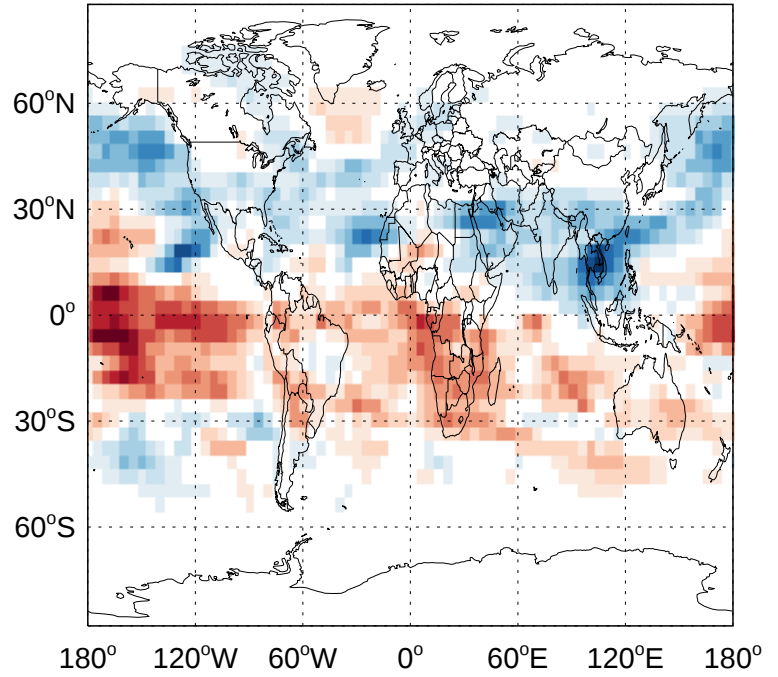
JO3_O1D - J-Value Diff @ surface for Apr



-6.42e-06 -2.14e-06 2.14e-06 6.42e-06s-1

v11-02e-Run1 - v11-02e-Run0

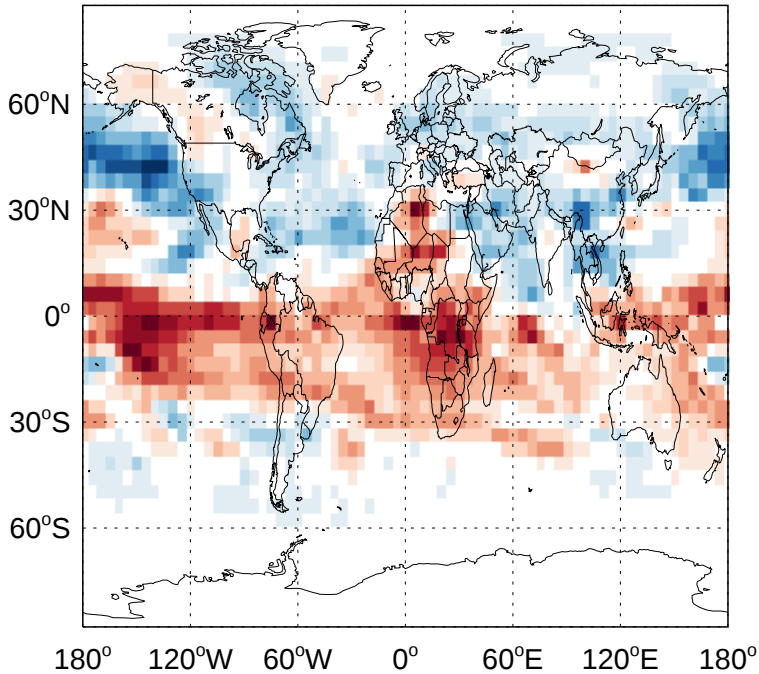
JO3_O1D - J-Value Diff @ 500 hPa for Apr



-1.19e-05 -3.98e-06 3.98e-06 1.19e-05s-1

v11-02e-Run1 - v11-02d-Run1

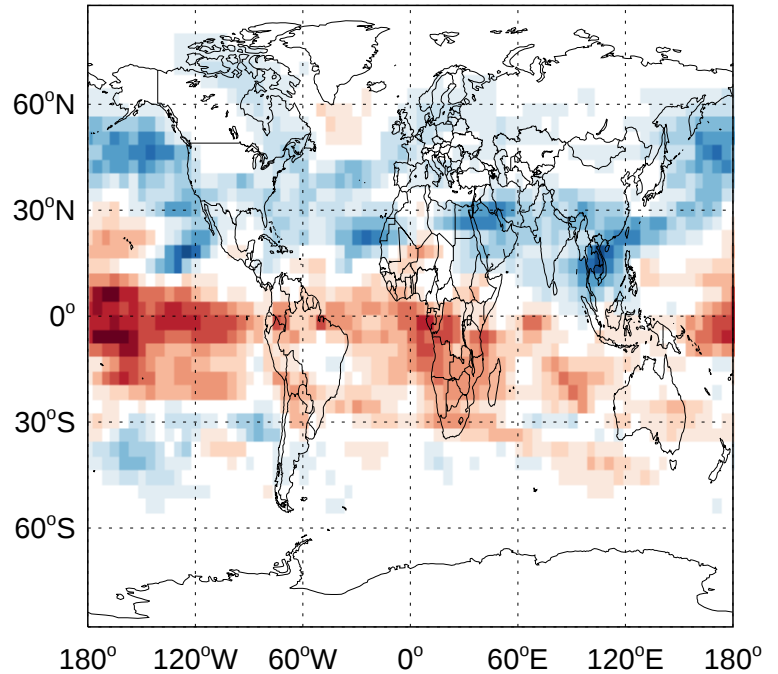
JO3_O1D - J-Value Diff @ surface for Apr



-6.28e-06 -2.09e-06 2.09e-06 6.28e-06s-1

v11-02e-Run1 - v11-02d-Run1

JO3_O1D - J-Value Diff @ 500 hPa for Apr

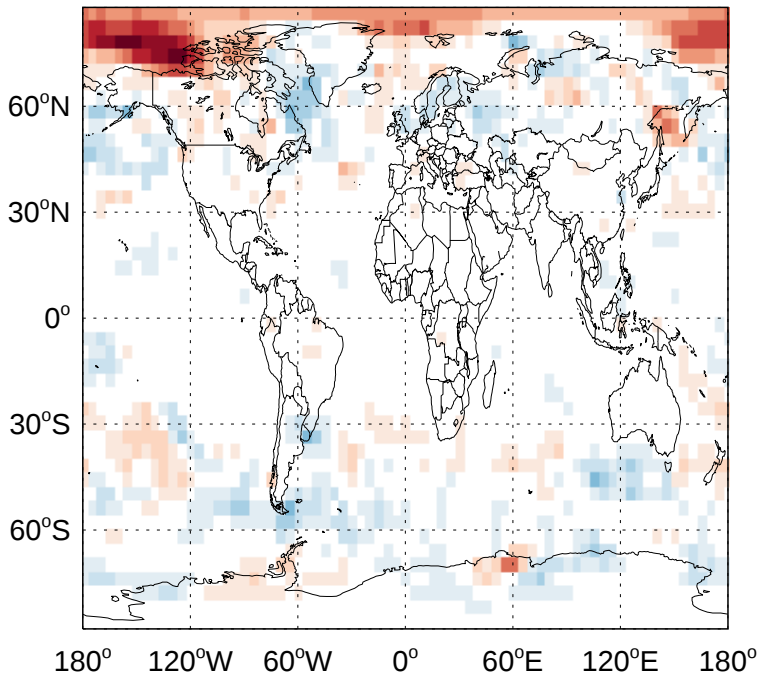


-1.26e-05 -4.19e-06 4.19e-06 1.26e-05s-1

GEOS-Chem J-Values at surface and 500 hPa

v11-02e-Run1 - v11-02e-Run0

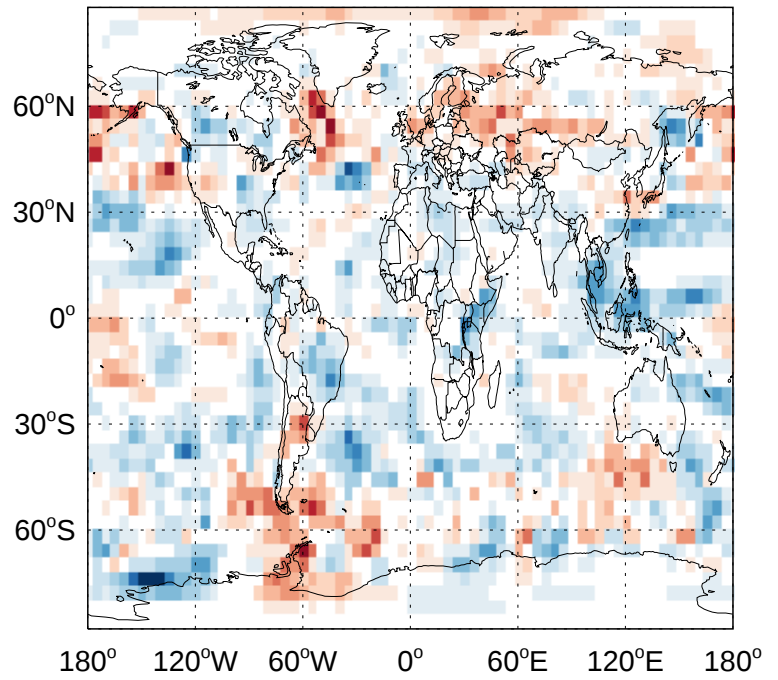
JO3_O3P - J-Value Diff @ surface for Apr



-1.57e-04 -5.23e-05 5.23e-05 1.57e-04s-1

v11-02e-Run1 - v11-02e-Run0

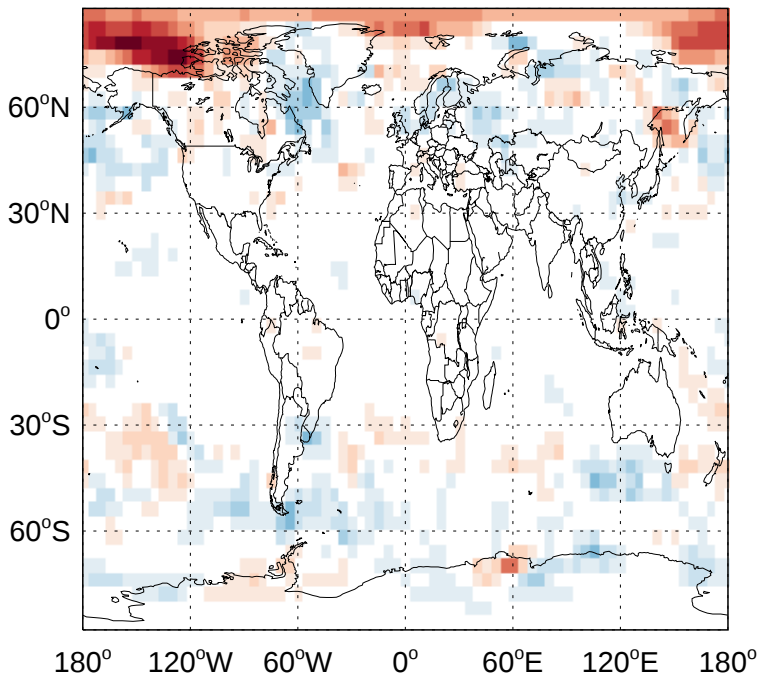
JO3_O3P - J-Value Diff @ 500 hPa for Apr



-1.13e-04 -3.78e-05 3.78e-05 1.13e-04s-1

v11-02e-Run1 - v11-02d-Run1

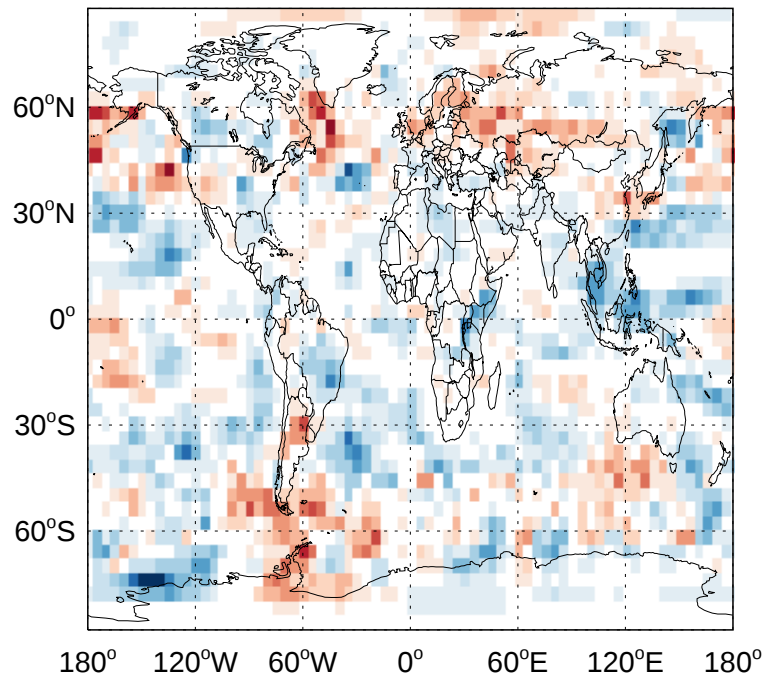
JO3_O3P - J-Value Diff @ surface for Apr



-1.53e-04 -5.11e-05 5.11e-05 1.53e-04s-1

v11-02e-Run1 - v11-02d-Run1

JO3_O3P - J-Value Diff @ 500 hPa for Apr

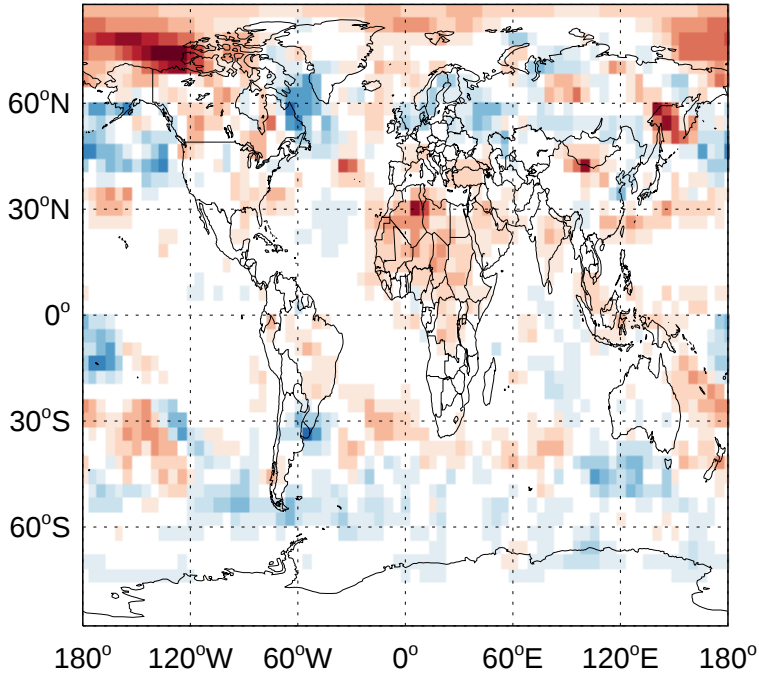


-1.16e-04 -3.85e-05 3.85e-05 1.16e-04s-1

GEOS-Chem J-Values at surface and 500 hPa

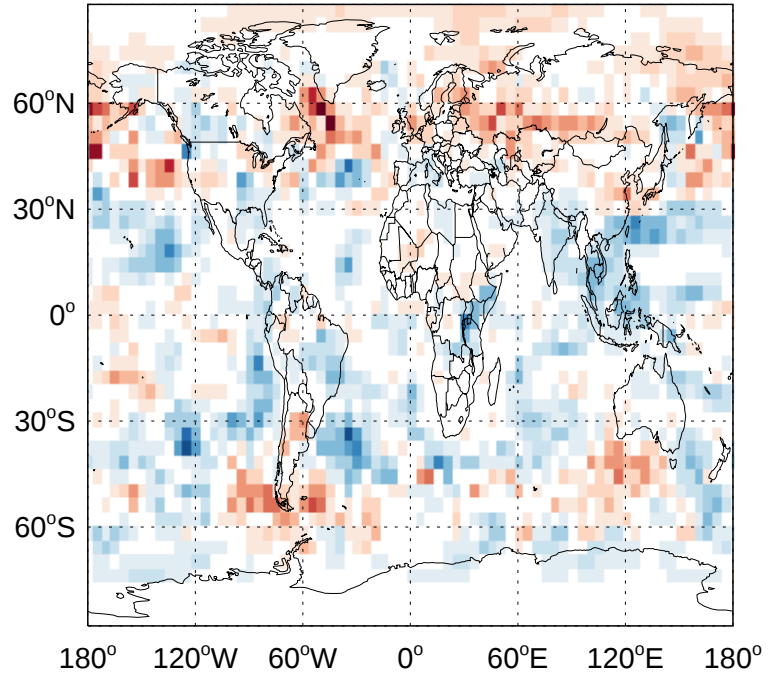
v11-02e-Run1 - v11-02e-Run0

JBrO - J-Value Diff @ surface for Apr



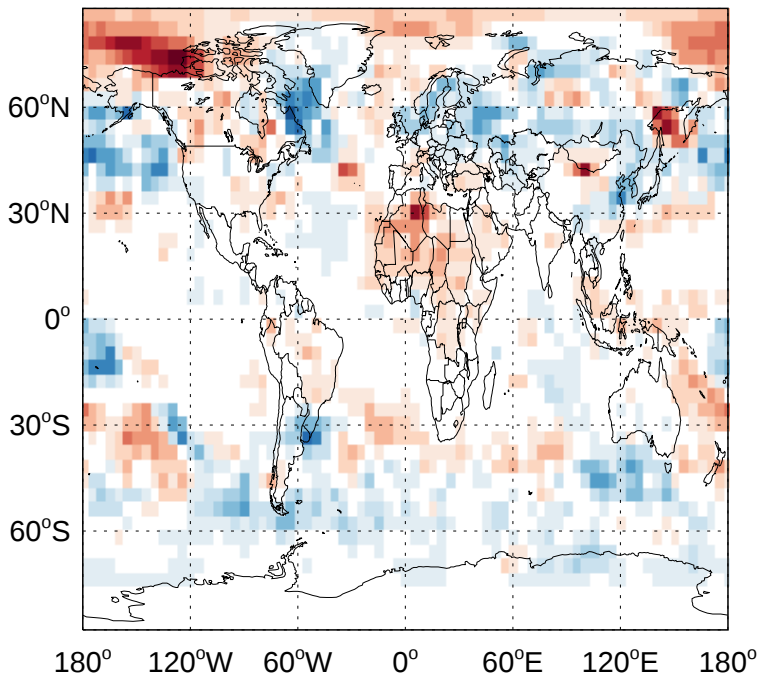
v11-02e-Run1 - v11-02e-Run0

JBrO - J-Value Diff @ 500 hPa for Apr



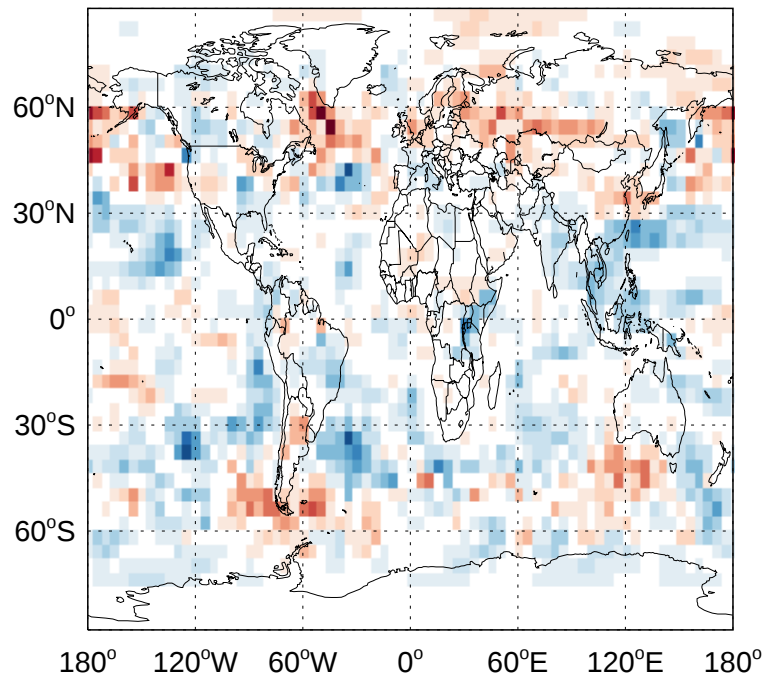
v11-02e-Run1 - v11-02d-Run1

JBrO - J-Value Diff @ surface for Apr



v11-02e-Run1 - v11-02d-Run1

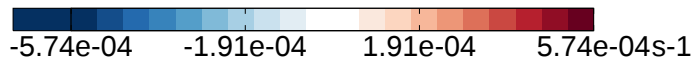
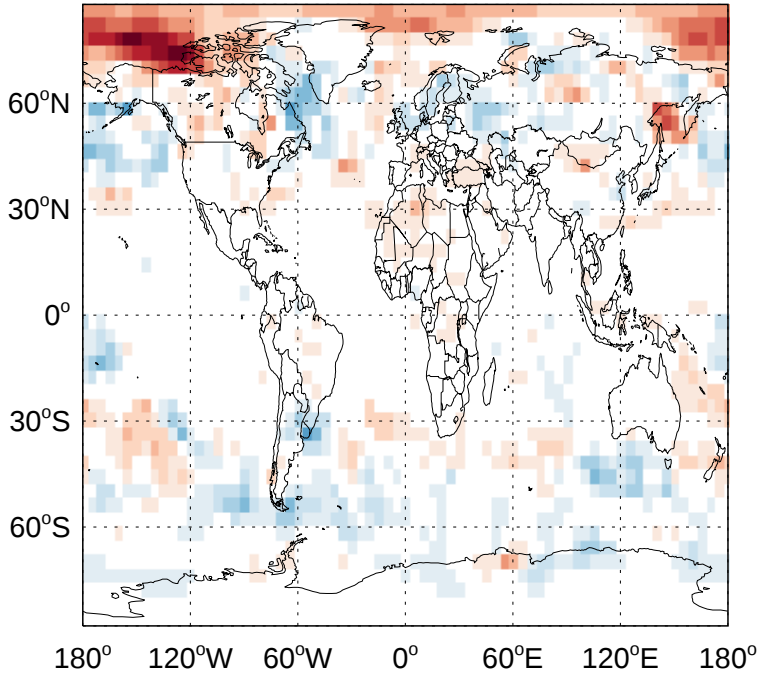
JBrO - J-Value Diff @ 500 hPa for Apr



GEOS-Chem J-Values at surface and 500 hPa

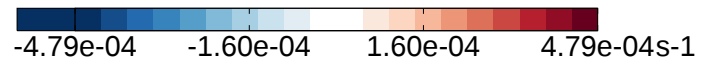
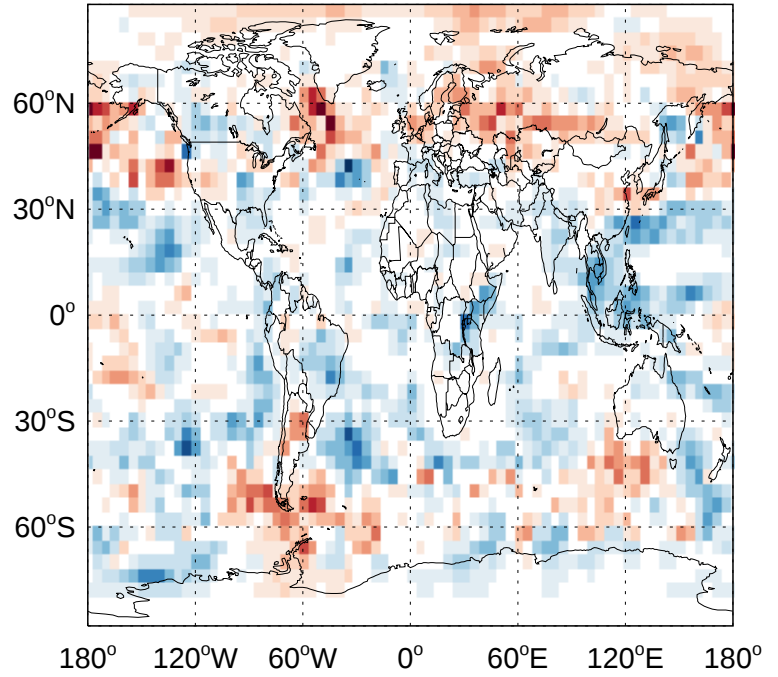
v11-02e-Run1 - v11-02e-Run0

JHOB_r - J-Value Diff @ surface for Apr



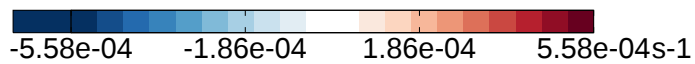
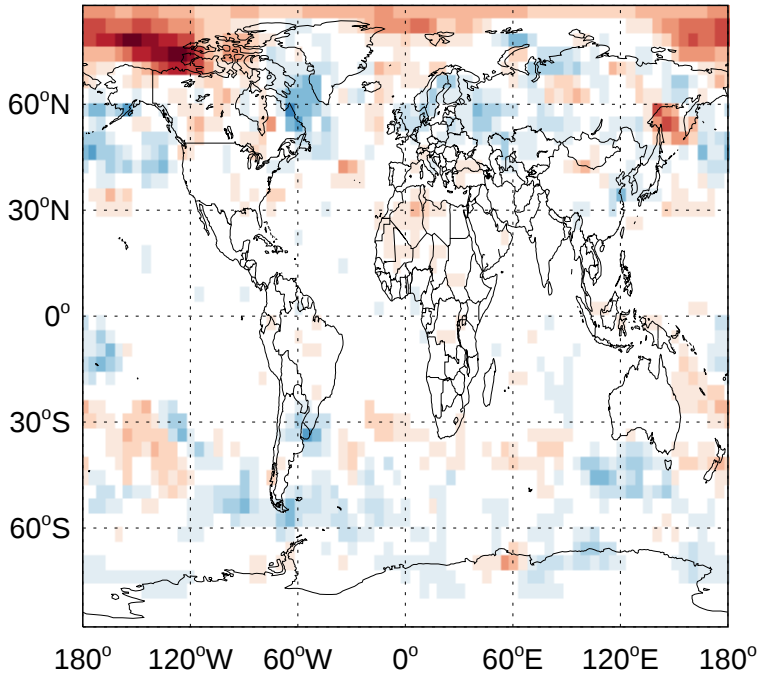
v11-02e-Run1 - v11-02e-Run0

JHOB_r - J-Value Diff @ 500 hPa for Apr



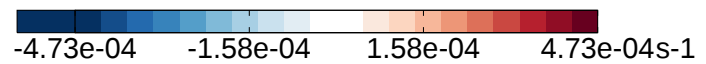
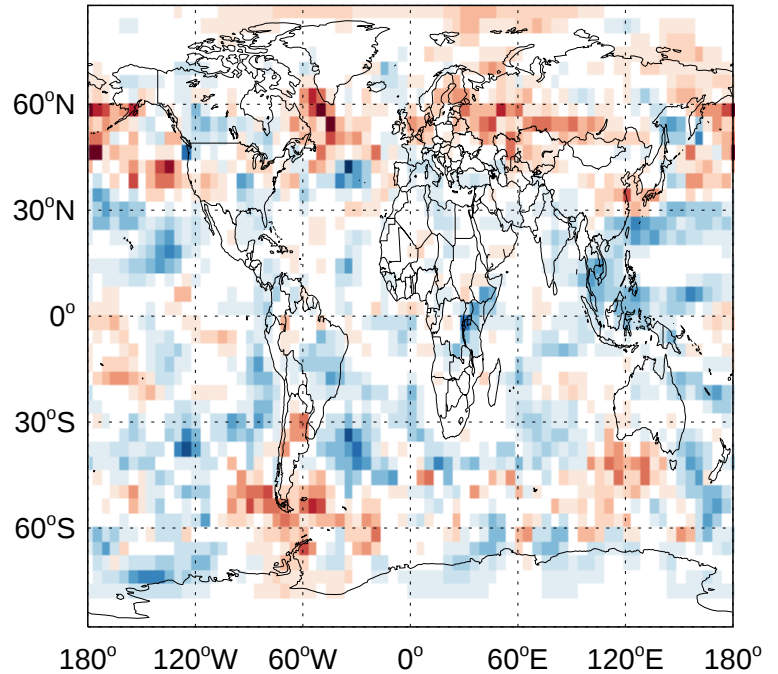
v11-02e-Run1 - v11-02d-Run1

JHOB_r - J-Value Diff @ surface for Apr



v11-02e-Run1 - v11-02d-Run1

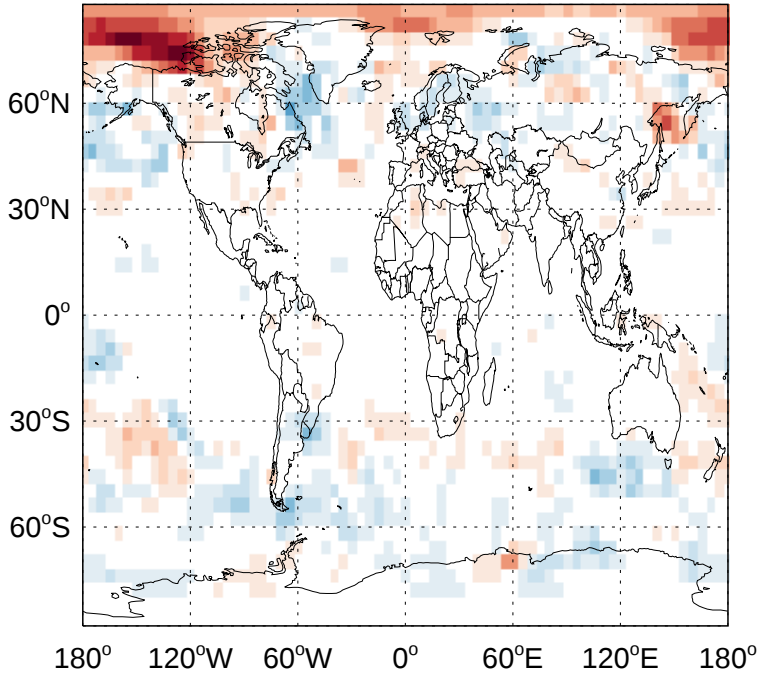
JHOB_r - J-Value Diff @ 500 hPa for Apr



GEOS-Chem J-Values at surface and 500 hPa

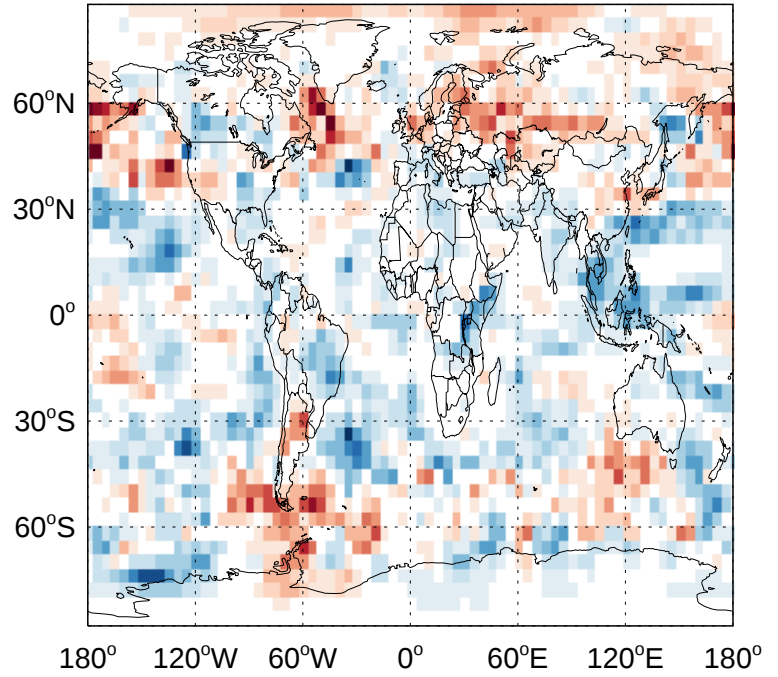
v11-02e-Run1 - v11-02e-Run0

JBrNO₂ - J-Value Diff @ surface for Apr



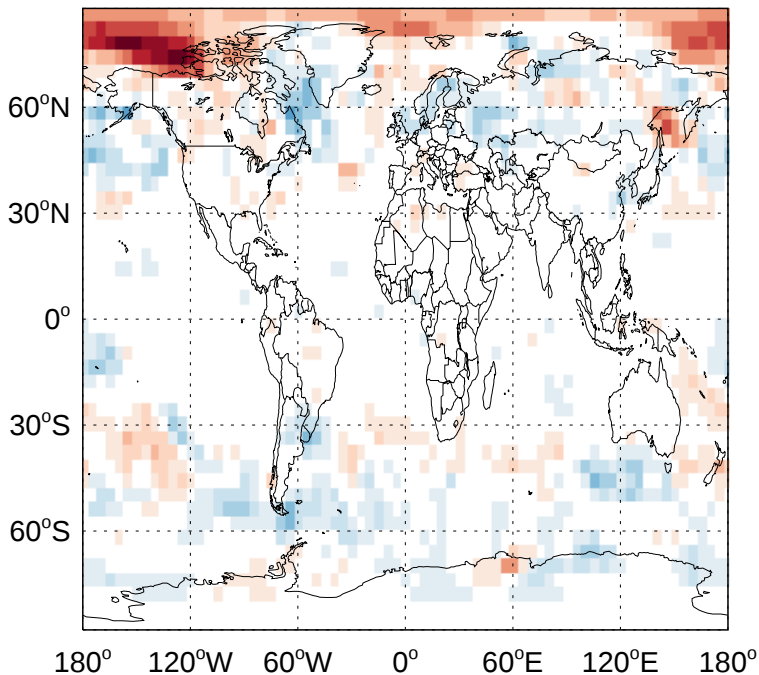
v11-02e-Run1 - v11-02e-Run0

JBrNO₂ - J-Value Diff @ 500 hPa for Apr



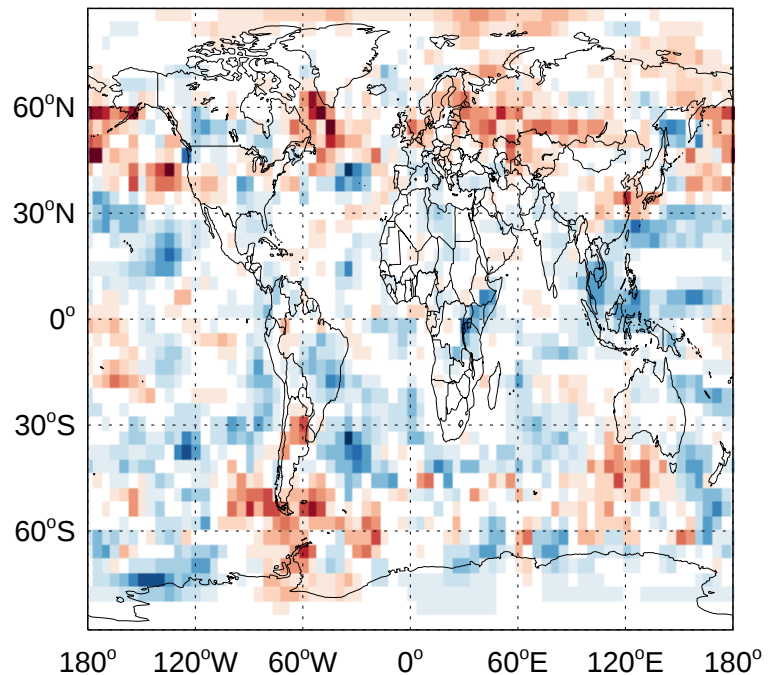
v11-02e-Run1 - v11-02d-Run1

JBrNO₂ - J-Value Diff @ surface for Apr



v11-02e-Run1 - v11-02d-Run1

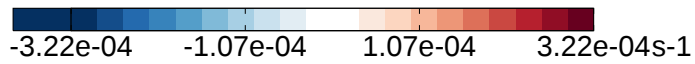
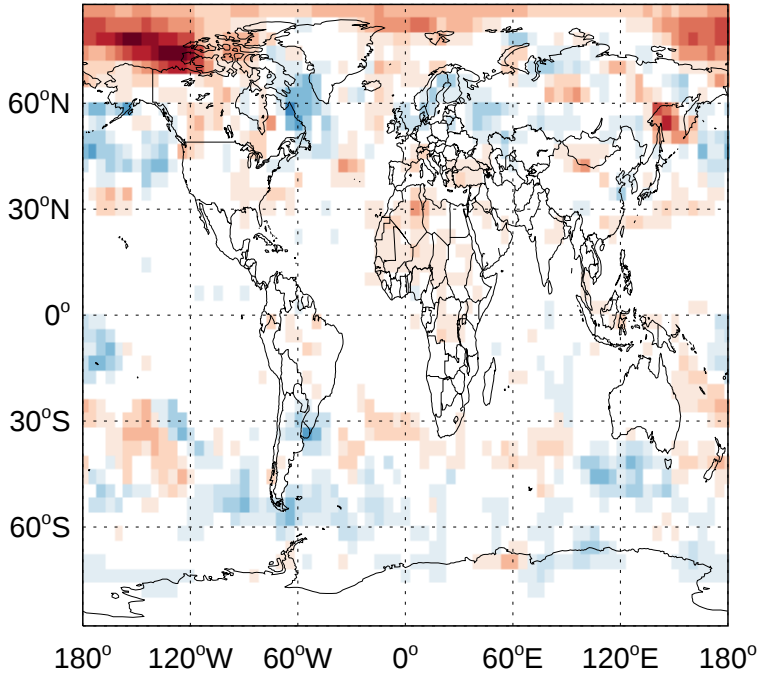
JBrNO₂ - J-Value Diff @ 500 hPa for Apr



GEOS-Chem J-Values at surface and 500 hPa

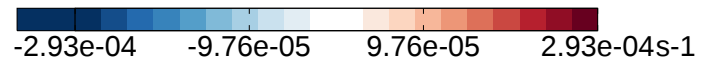
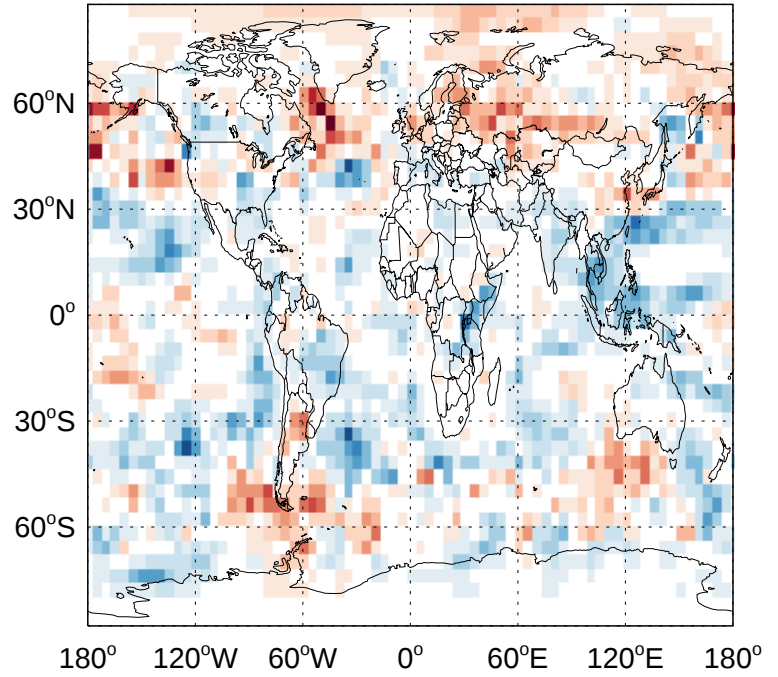
v11-02e-Run1 - v11-02e-Run0

JBrNO3 - J-Value Diff @ surface for Apr



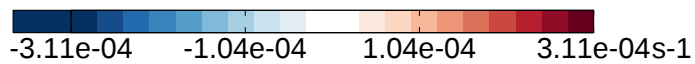
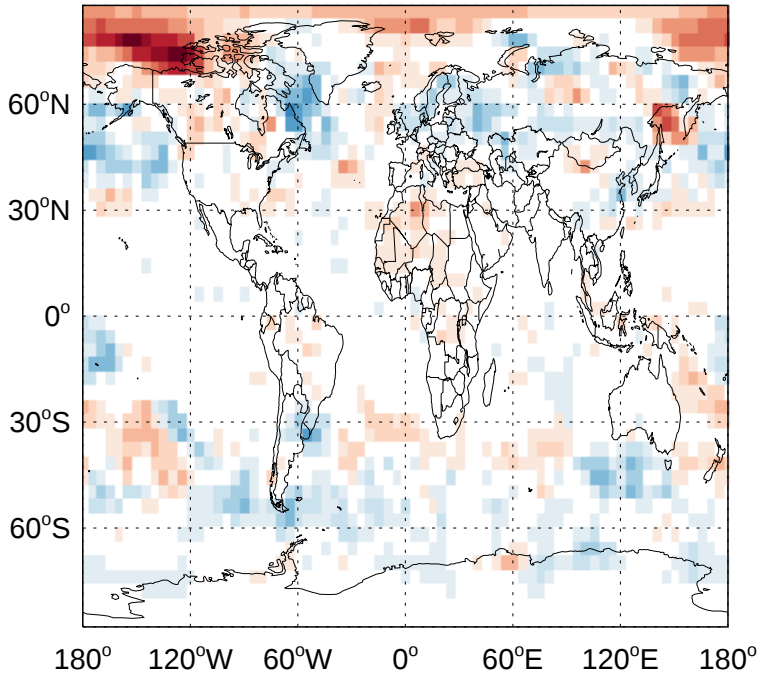
v11-02e-Run1 - v11-02e-Run0

JBrNO3 - J-Value Diff @ 500 hPa for Apr



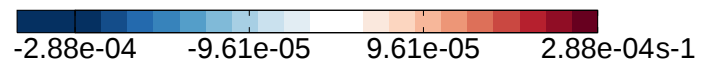
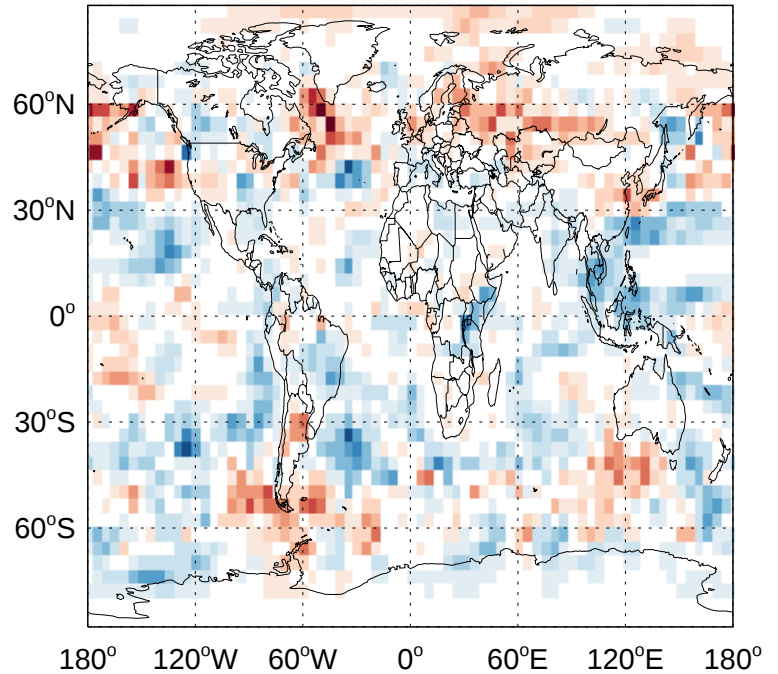
v11-02e-Run1 - v11-02d-Run1

JBrNO3 - J-Value Diff @ surface for Apr



v11-02e-Run1 - v11-02d-Run1

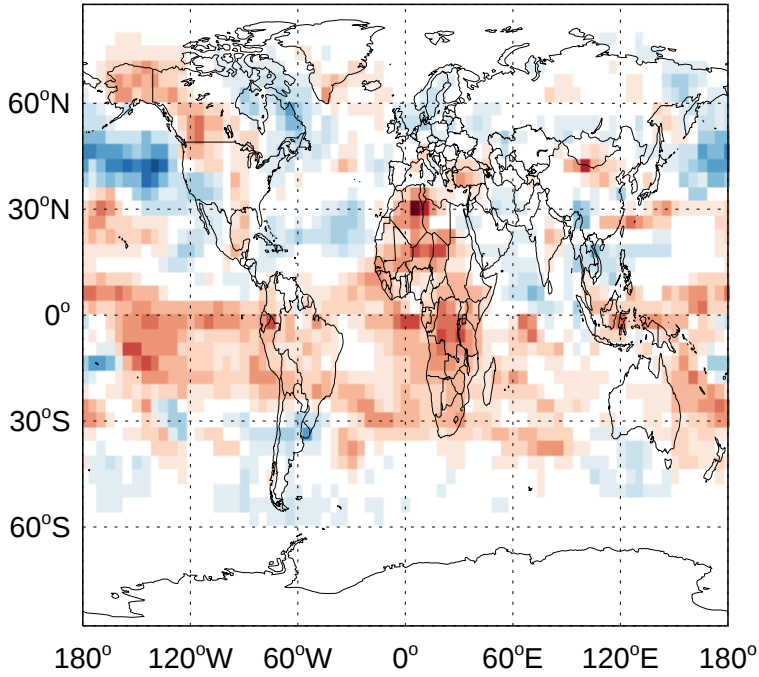
JBrNO3 - J-Value Diff @ 500 hPa for Apr



GEOS-Chem J-Values at surface and 500 hPa

v11-02e-Run1 - v11-02e-Run0

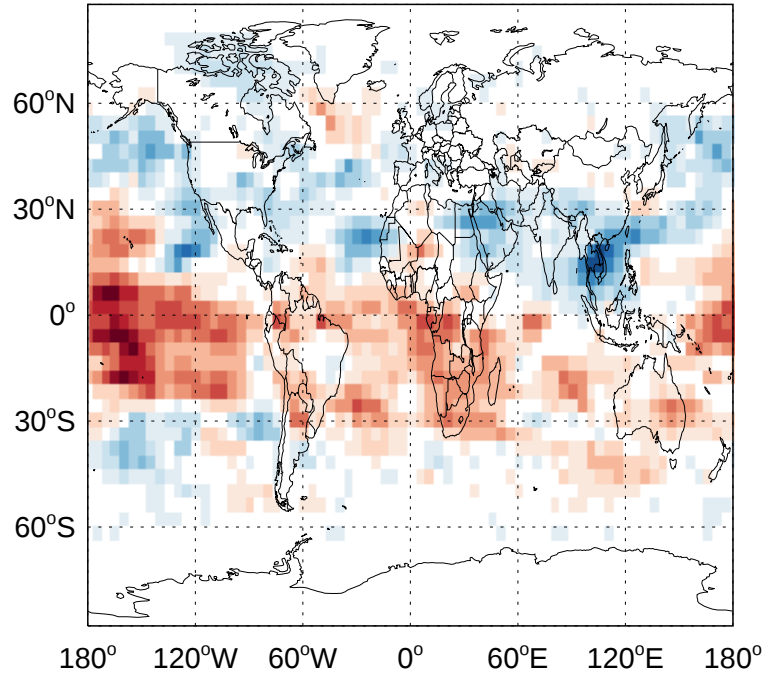
JCHBr3 - J-Value Diff @ surface for Apr



-2.21e-07 -7.38e-08 7.38e-08 2.21e-07s-1

v11-02e-Run1 - v11-02e-Run0

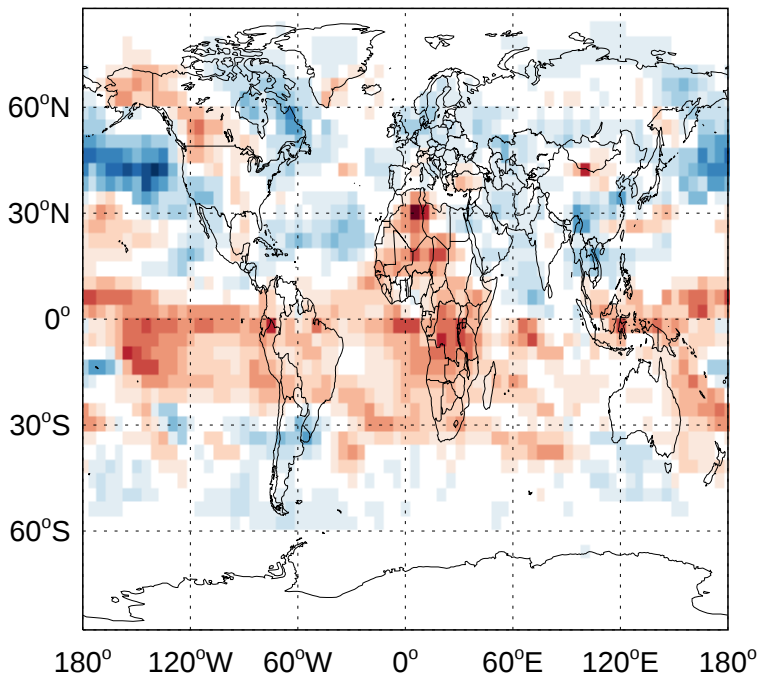
JCHBr3 - J-Value Diff @ 500 hPa for Apr



-2.71e-07 -9.02e-08 9.02e-08 2.71e-07s-1

v11-02e-Run1 - v11-02d-Run1

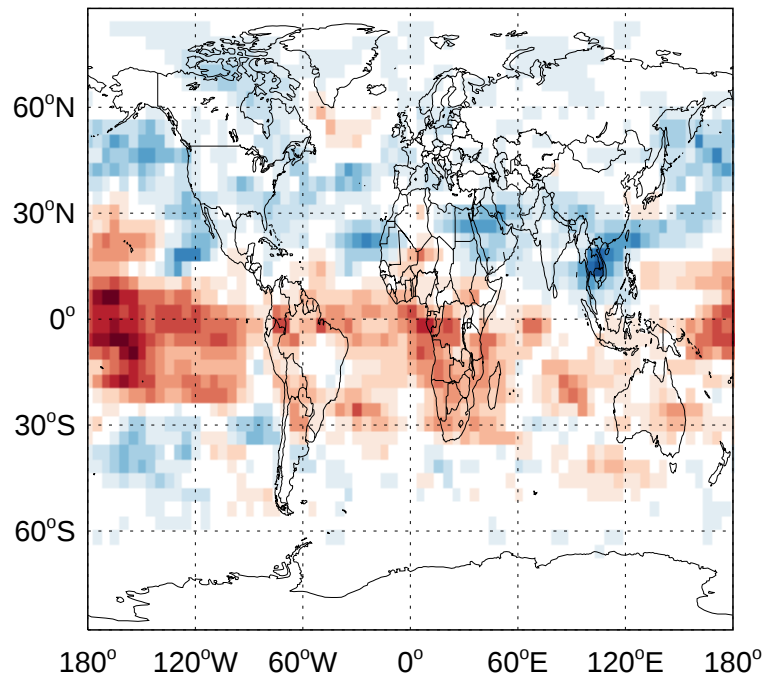
JCHBr3 - J-Value Diff @ surface for Apr



-2.10e-07 -7.01e-08 7.01e-08 2.10e-07s-1

v11-02e-Run1 - v11-02d-Run1

JCHBr3 - J-Value Diff @ 500 hPa for Apr

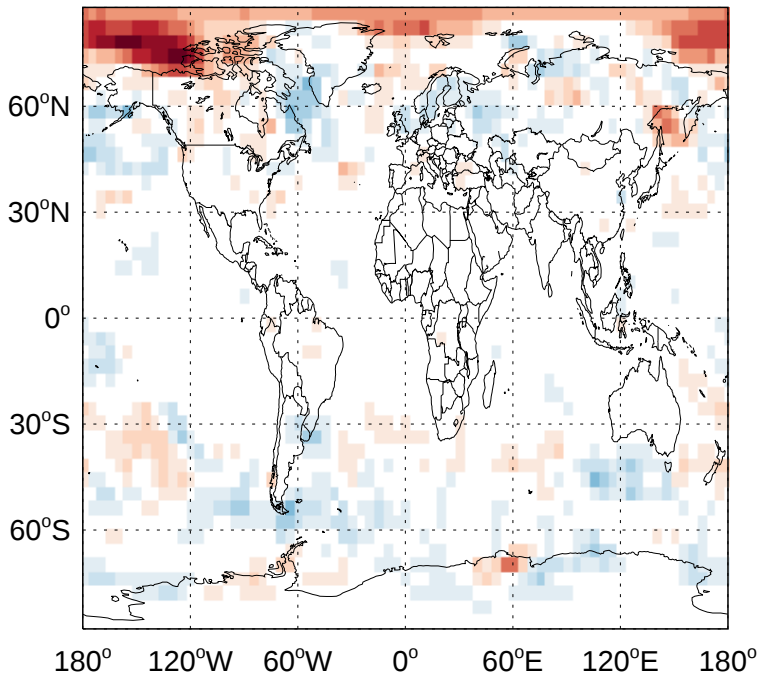


-2.83e-07 -9.42e-08 9.42e-08 2.83e-07s-1

GEOS-Chem J-Values at surface and 500 hPa

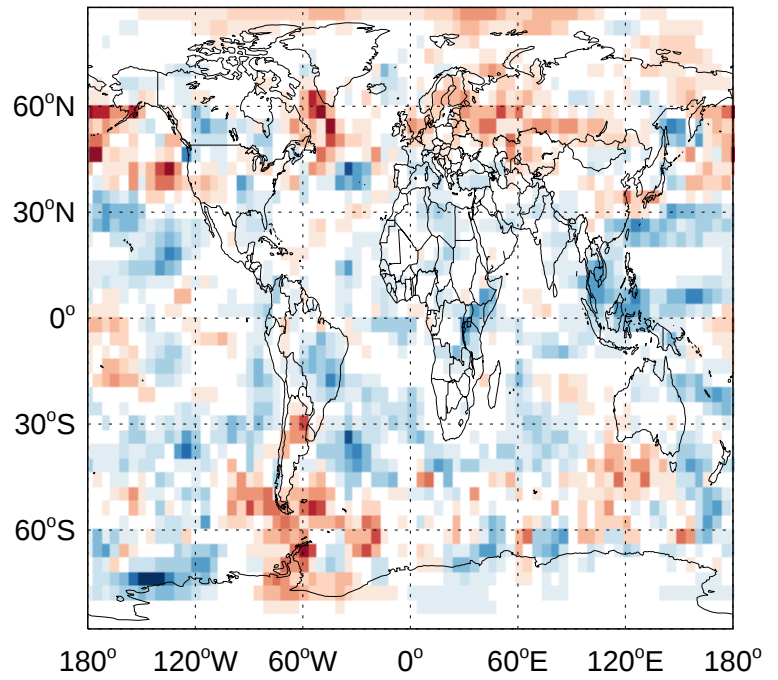
v11-02e-Run1 - v11-02e-Run0

JBr2 - J-Value Diff @ surface for Apr



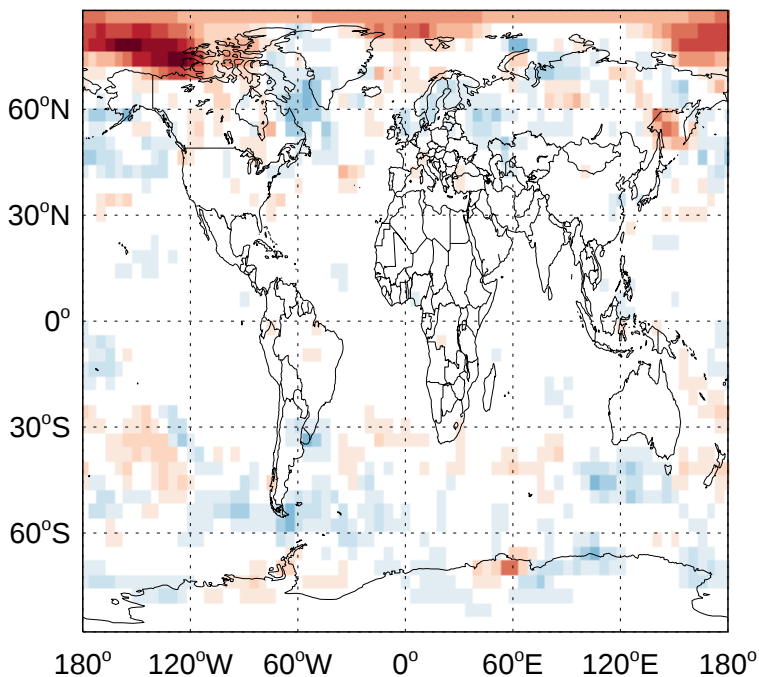
v11-02e-Run1 - v11-02e-Run0

JBr2 - J-Value Diff @ 500 hPa for Apr



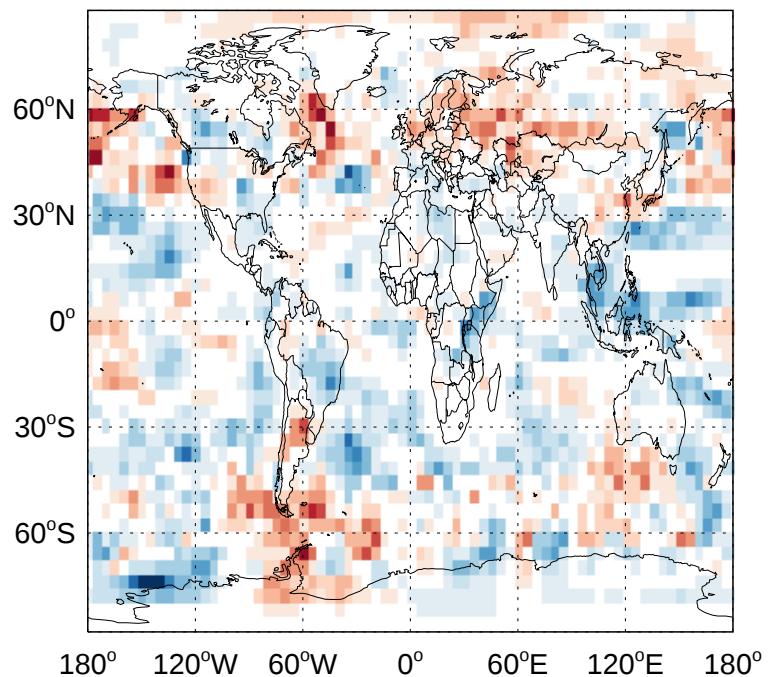
v11-02e-Run1 - v11-02d-Run1

JBr2 - J-Value Diff @ surface for Apr



v11-02e-Run1 - v11-02d-Run1

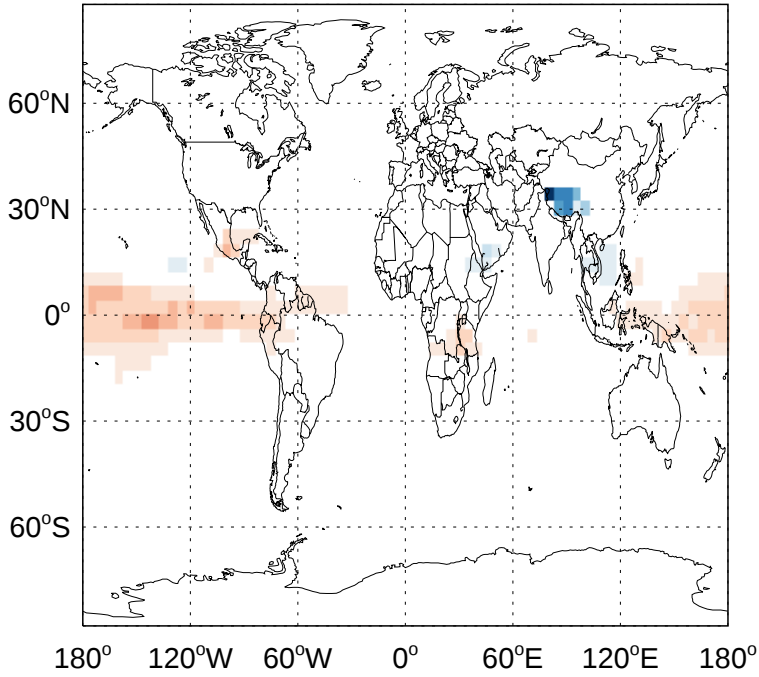
JBr2 - J-Value Diff @ 500 hPa for Apr



GEOS-Chem J-Values at surface and 500 hPa

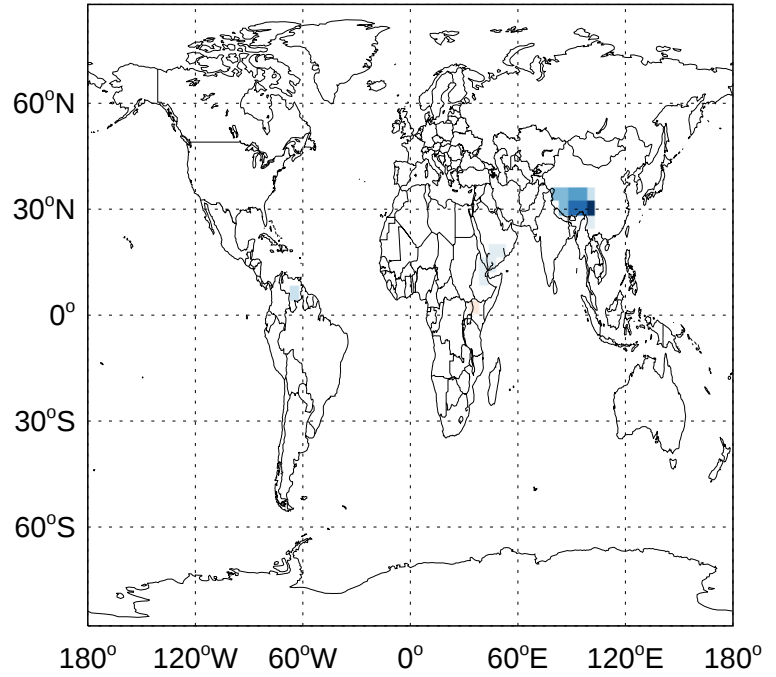
v11-02e-Run1 - v11-02e-Run0

JO2 - J-Value Diff @ surface for Apr



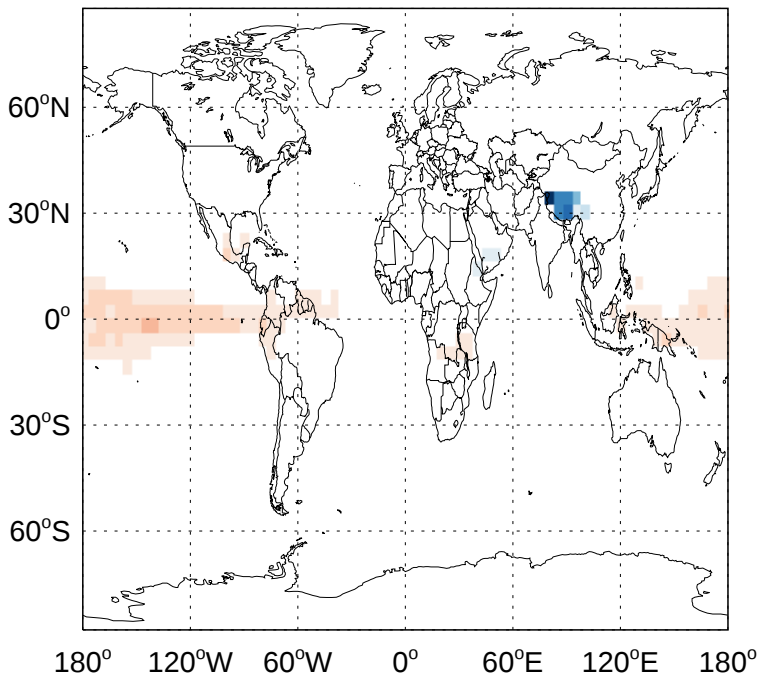
v11-02e-Run1 - v11-02e-Run0

JO2 - J-Value Diff @ 500 hPa for Apr



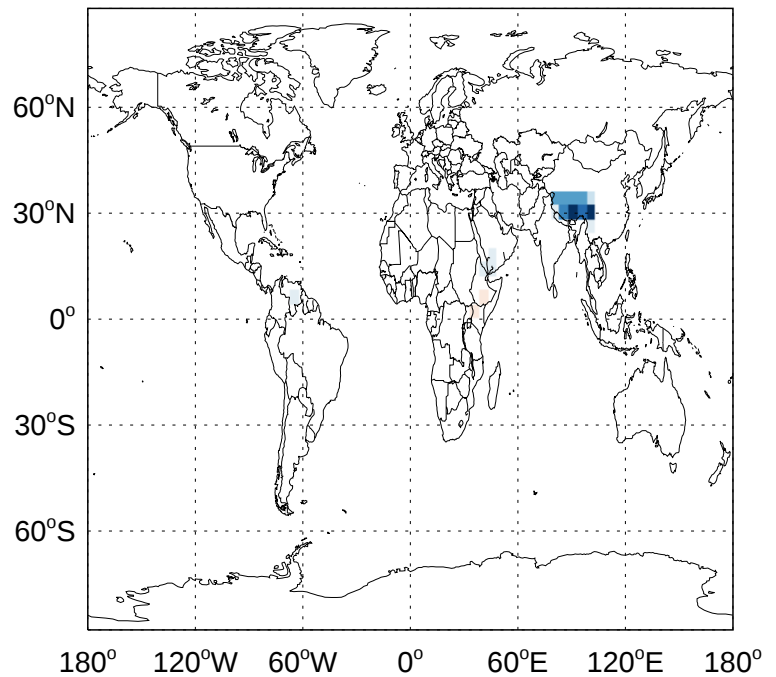
v11-02e-Run1 - v11-02d-Run1

JO2 - J-Value Diff @ surface for Apr



v11-02e-Run1 - v11-02d-Run1

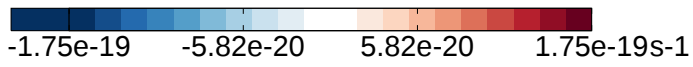
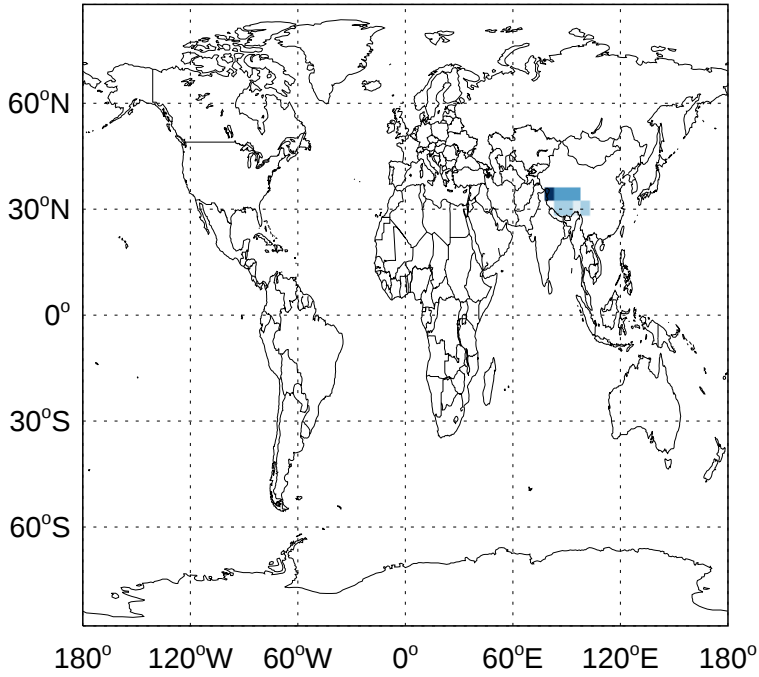
JO2 - J-Value Diff @ 500 hPa for Apr



GEOS-Chem J-Values at surface and 500 hPa

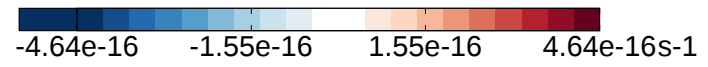
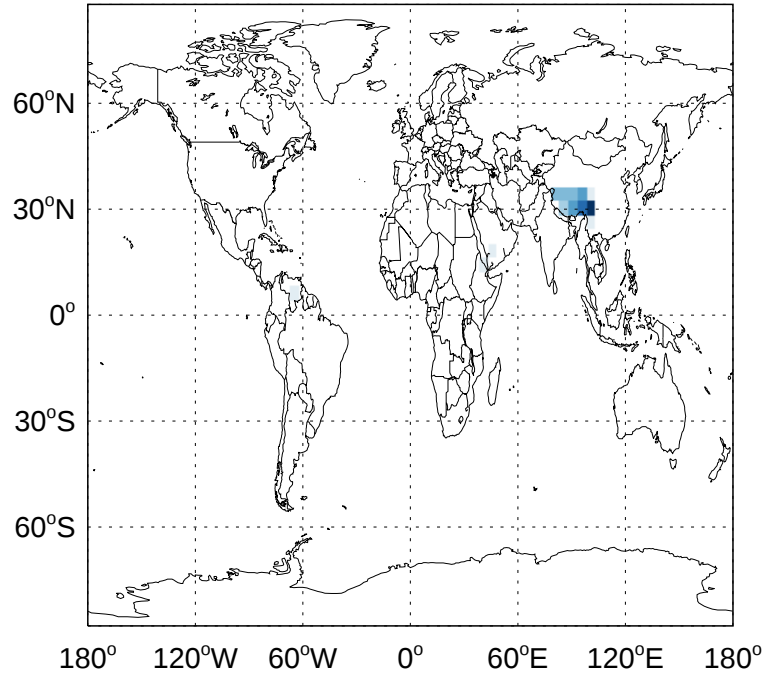
v11-02e-Run1 - v11-02e-Run0

JN2O - J-Value Diff @ surface for Apr



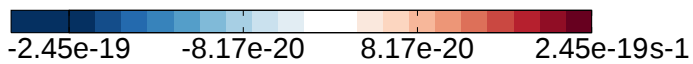
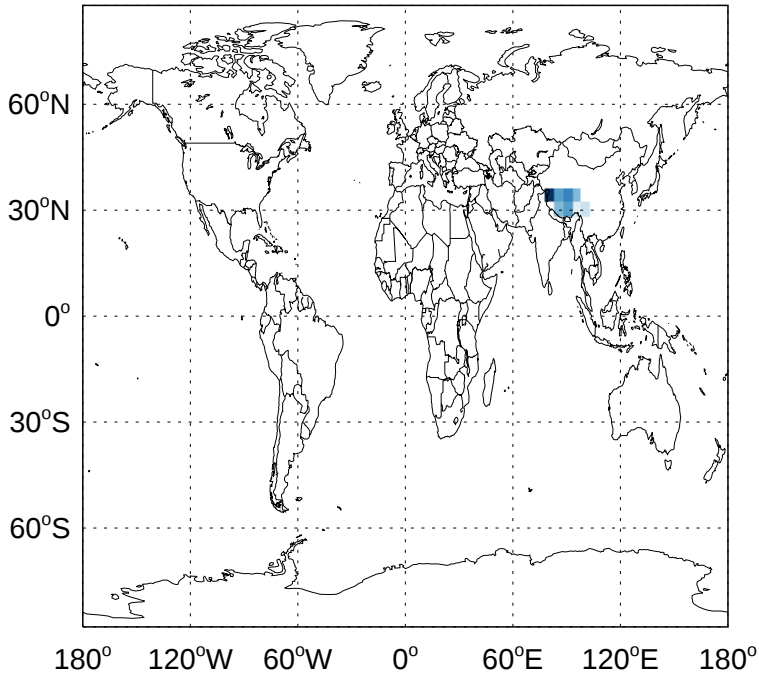
v11-02e-Run1 - v11-02e-Run0

JN2O - J-Value Diff @ 500 hPa for Apr



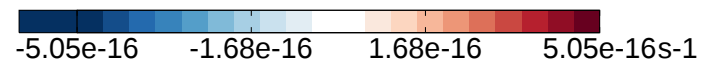
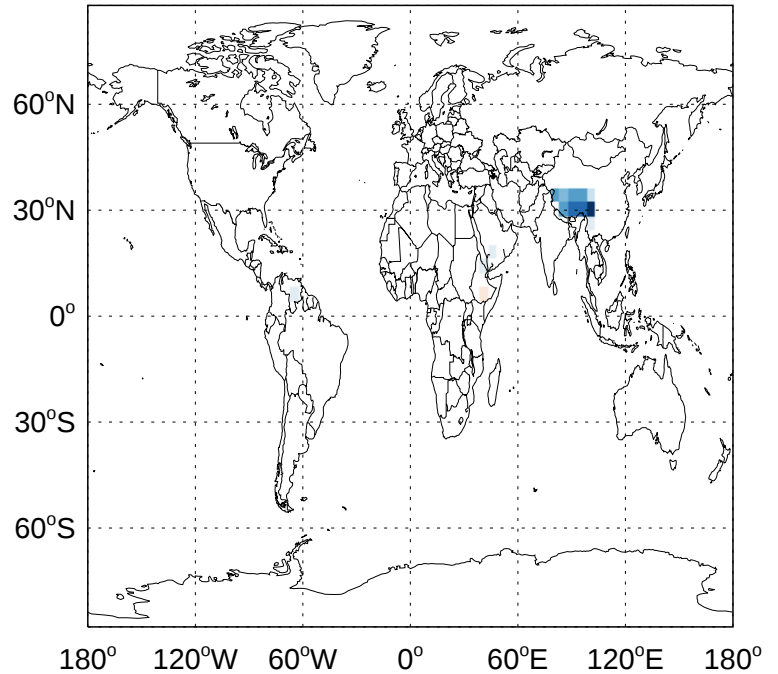
v11-02e-Run1 - v11-02d-Run1

JN2O - J-Value Diff @ surface for Apr



v11-02e-Run1 - v11-02d-Run1

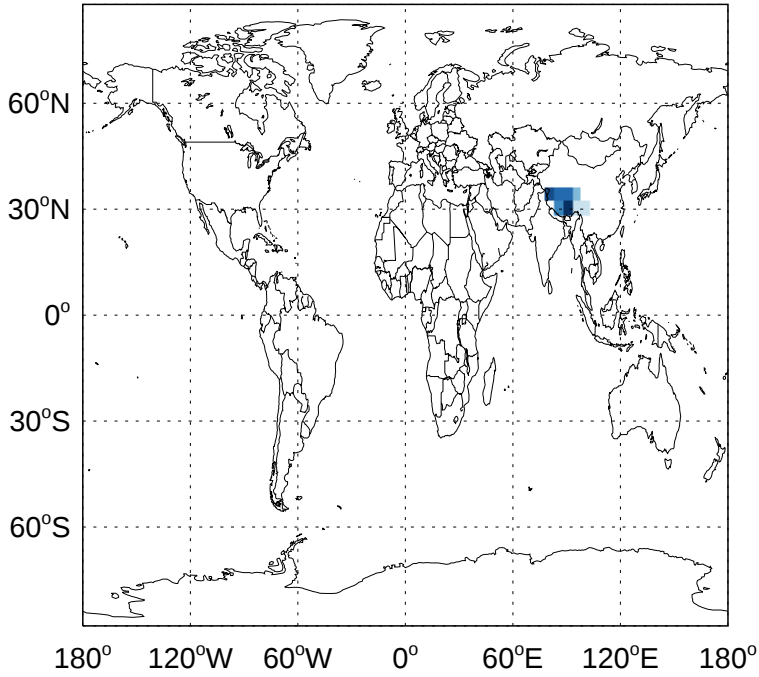
JN2O - J-Value Diff @ 500 hPa for Apr



GEOS-Chem J-Values at surface and 500 hPa

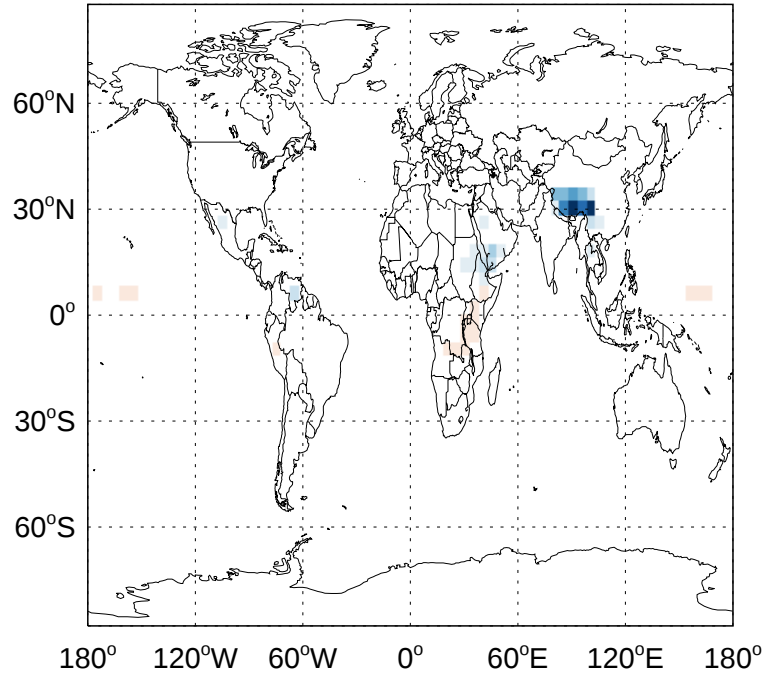
v11-02e-Run1 - v11-02e-Run0

JNO - J-Value Diff @ surface for Apr



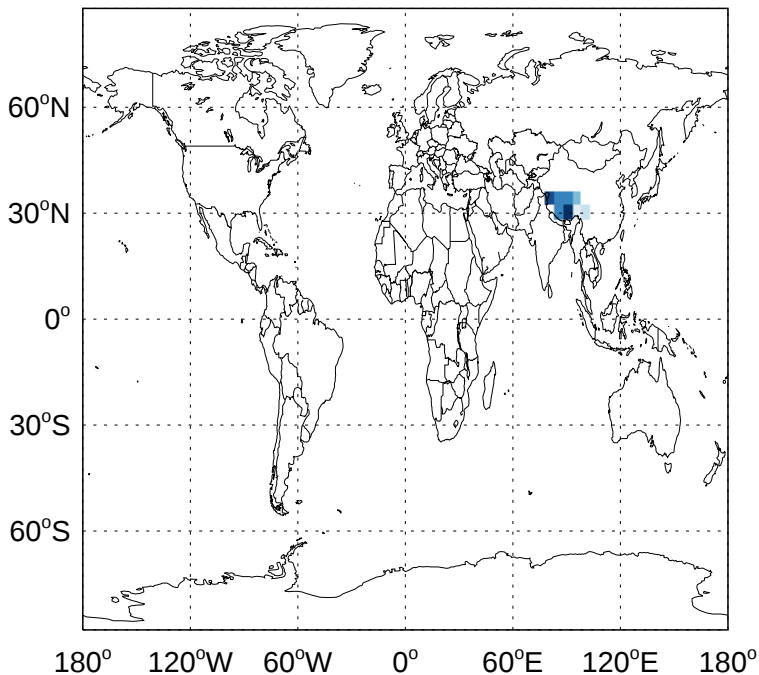
v11-02e-Run1 - v11-02e-Run0

JNO - J-Value Diff @ 500 hPa for Apr



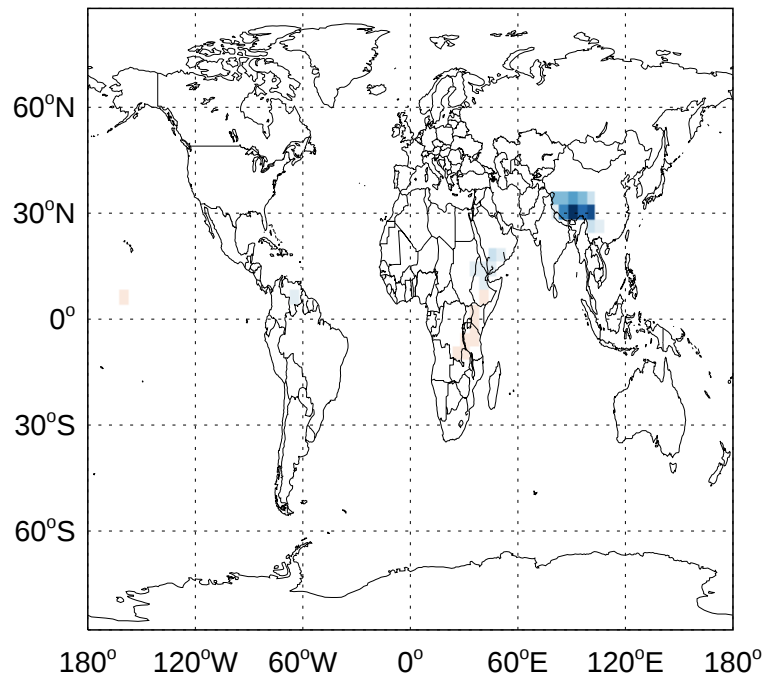
v11-02e-Run1 - v11-02d-Run1

JNO - J-Value Diff @ surface for Apr



v11-02e-Run1 - v11-02d-Run1

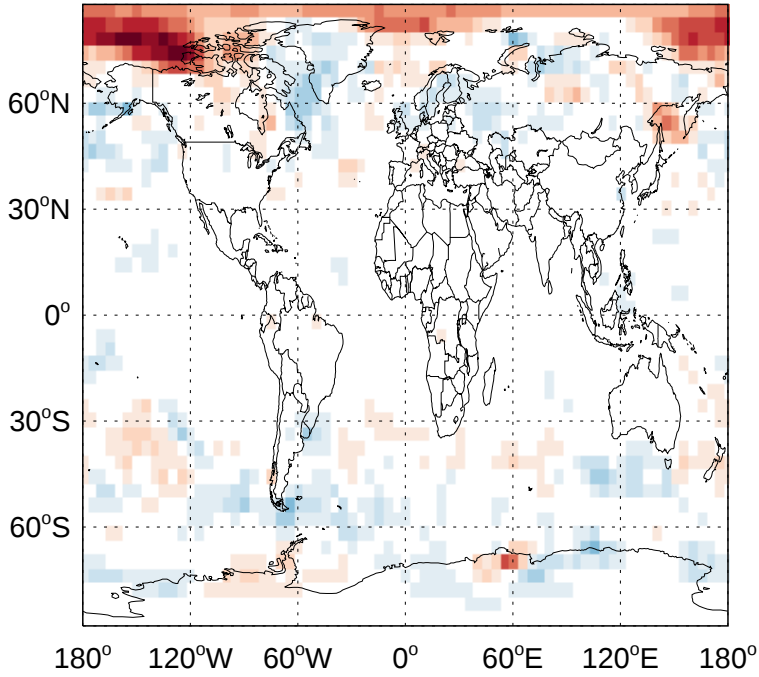
JNO - J-Value Diff @ 500 hPa for Apr



GEOS-Chem J-Values at surface and 500 hPa

v11-02e-Run1 - v11-02e-Run0

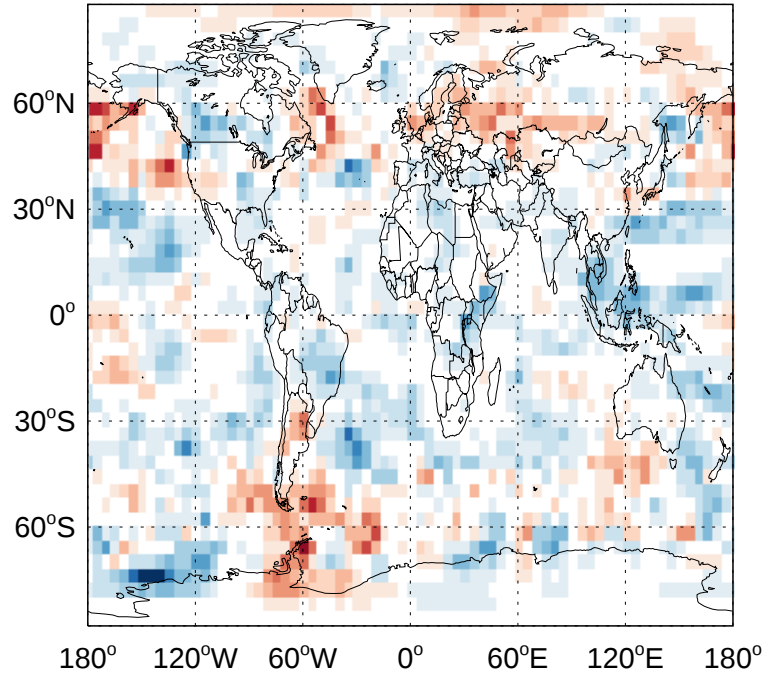
JNO3 - J-Value Diff @ surface for Apr



-8.81e-02 -2.94e-02 2.94e-02 8.81e-02s-1

v11-02e-Run1 - v11-02e-Run0

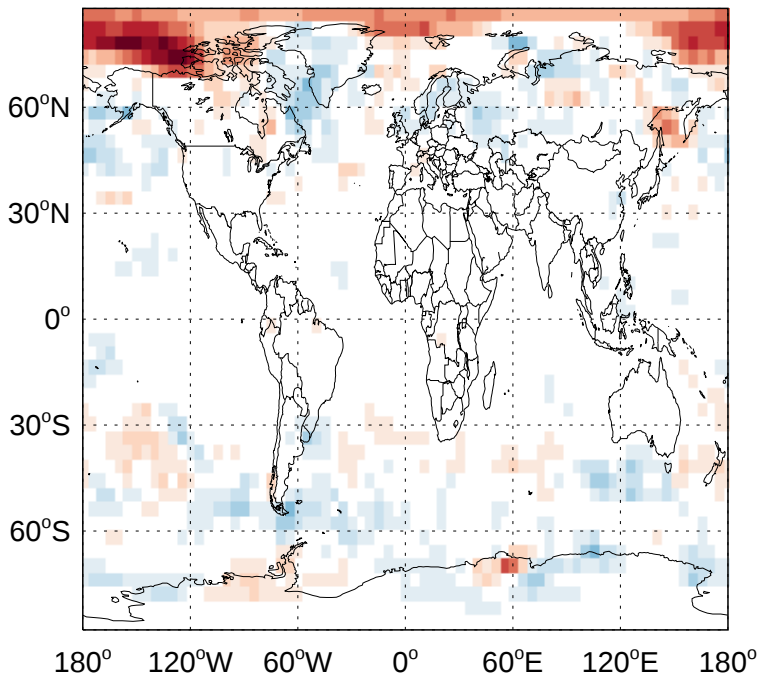
JNO3 - J-Value Diff @ 500 hPa for Apr



-6.95e-02 -2.32e-02 2.32e-02 6.95e-02s-1

v11-02e-Run1 - v11-02d-Run1

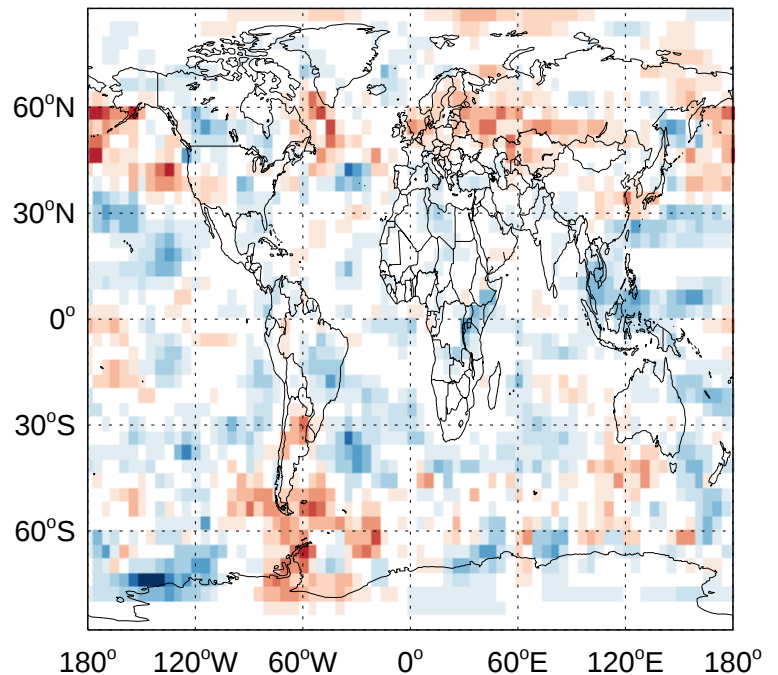
JNO3 - J-Value Diff @ surface for Apr



-8.63e-02 -2.88e-02 2.88e-02 8.63e-02s-1

v11-02e-Run1 - v11-02d-Run1

JNO3 - J-Value Diff @ 500 hPa for Apr

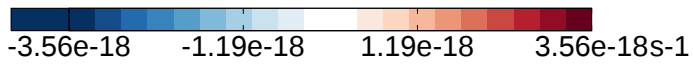
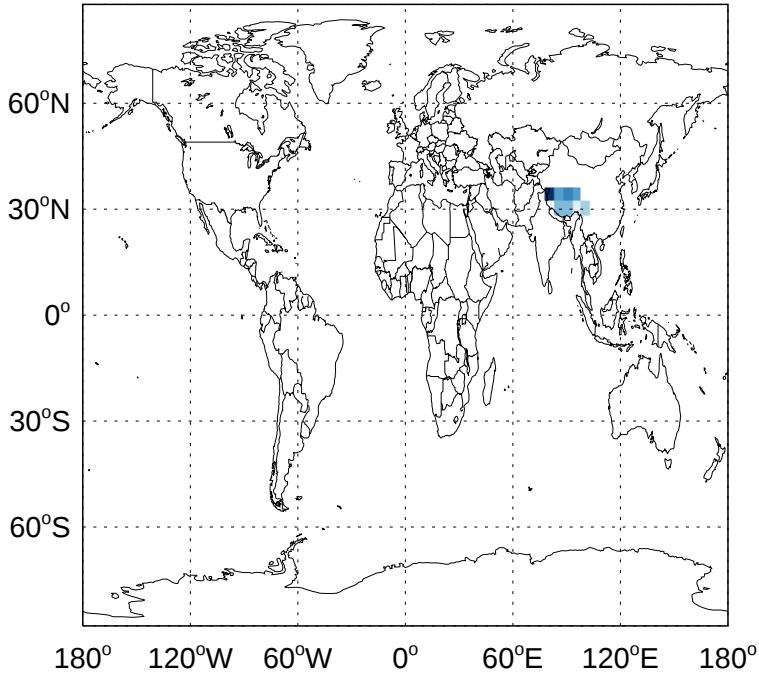


-7.08e-02 -2.36e-02 2.36e-02 7.08e-02s-1

GEOS-Chem J-Values at surface and 500 hPa

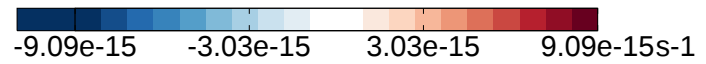
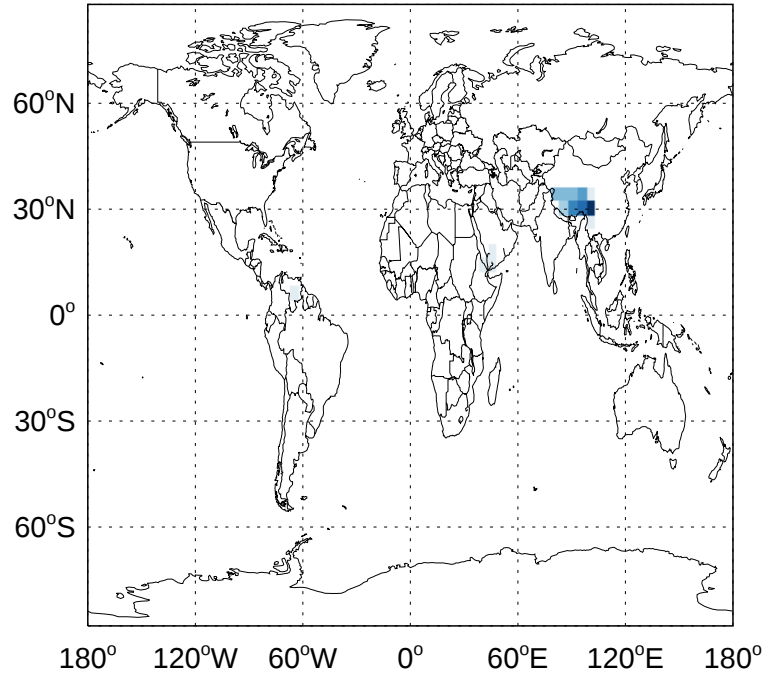
v11-02e-Run1 - v11-02e-Run0

JCFC11 - J-Value Diff @ surface for Apr



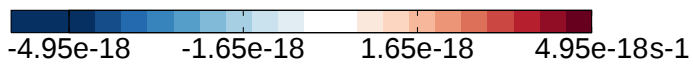
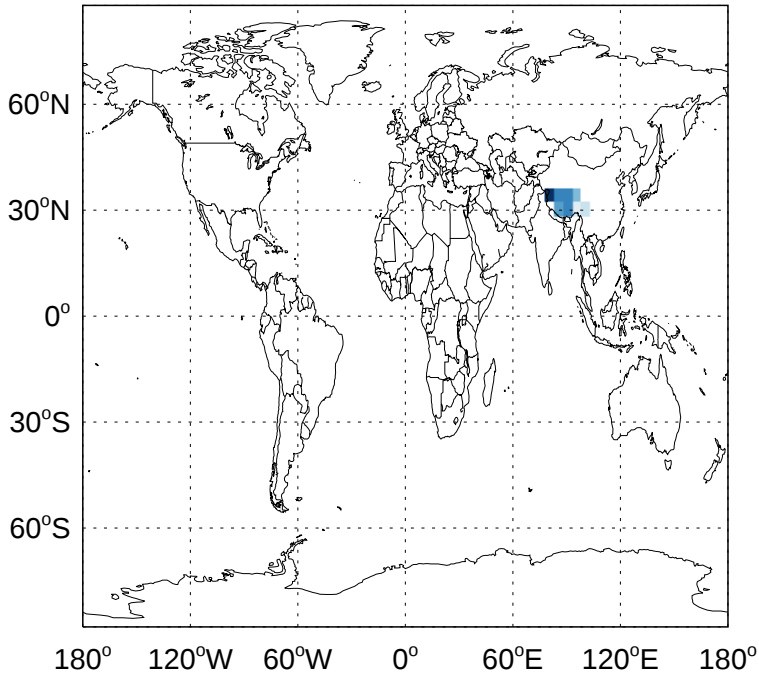
v11-02e-Run1 - v11-02e-Run0

JCFC11 - J-Value Diff @ 500 hPa for Apr



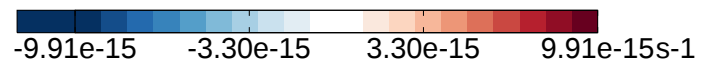
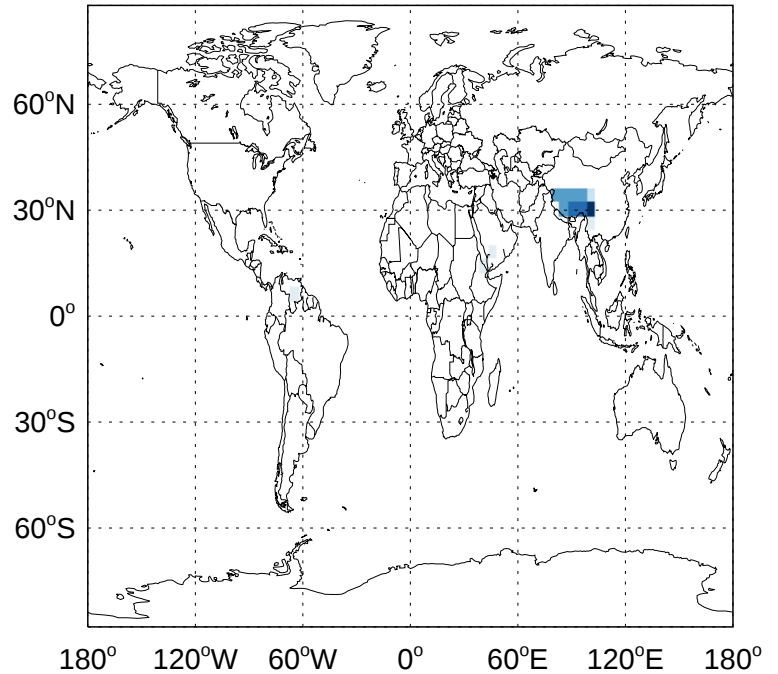
v11-02e-Run1 - v11-02d-Run1

JCFC11 - J-Value Diff @ surface for Apr



v11-02e-Run1 - v11-02d-Run1

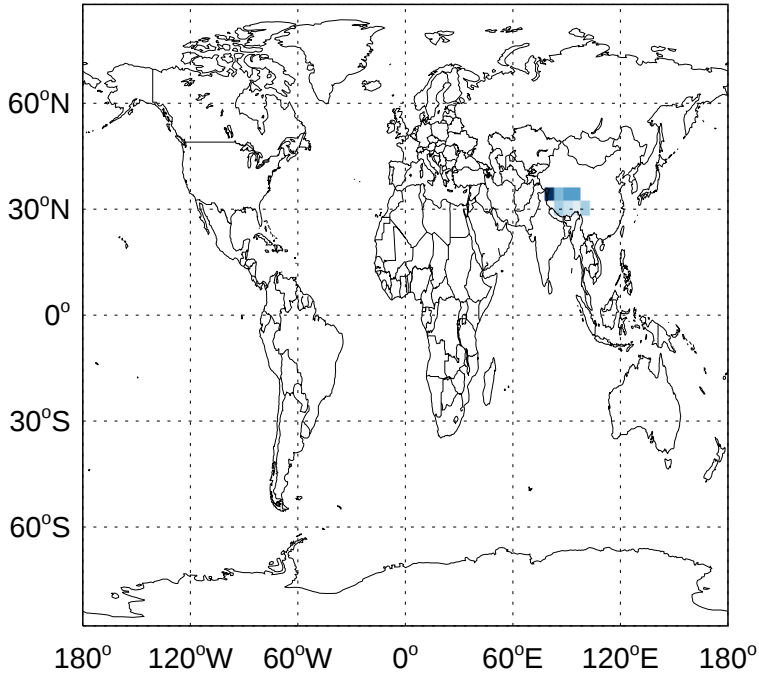
JCFC11 - J-Value Diff @ 500 hPa for Apr



GEOS-Chem J-Values at surface and 500 hPa

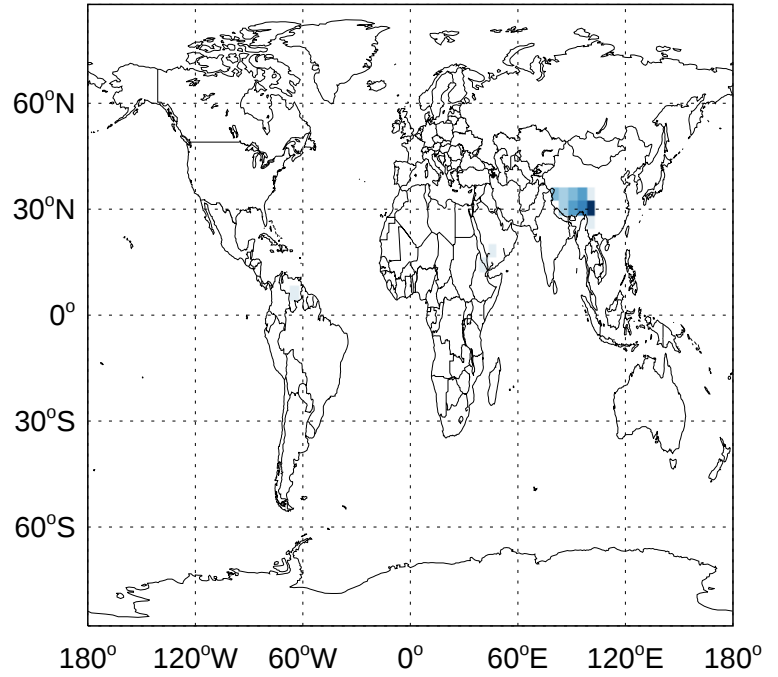
v11-02e-Run1 - v11-02e-Run0

JCFC12 - J-Value Diff @ surface for Apr



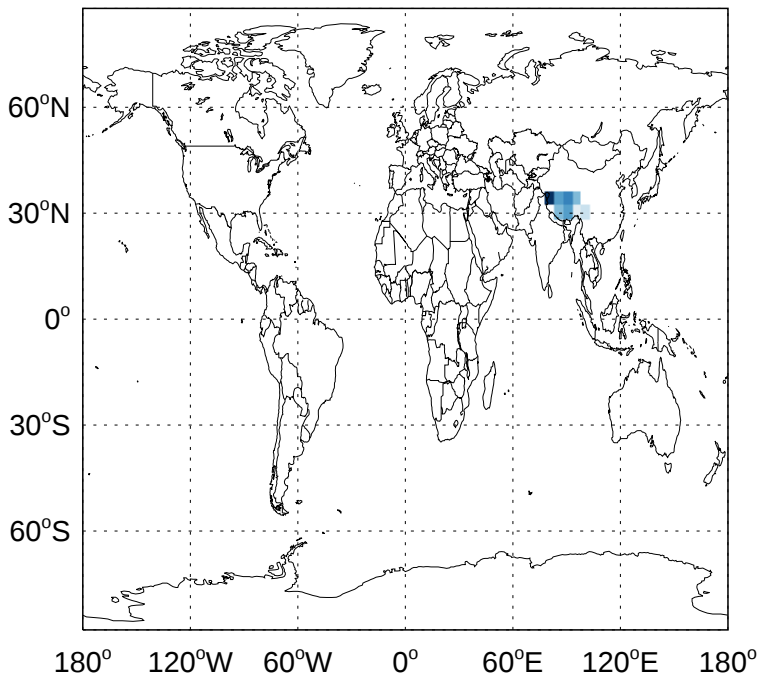
v11-02e-Run1 - v11-02e-Run0

JCFC12 - J-Value Diff @ 500 hPa for Apr



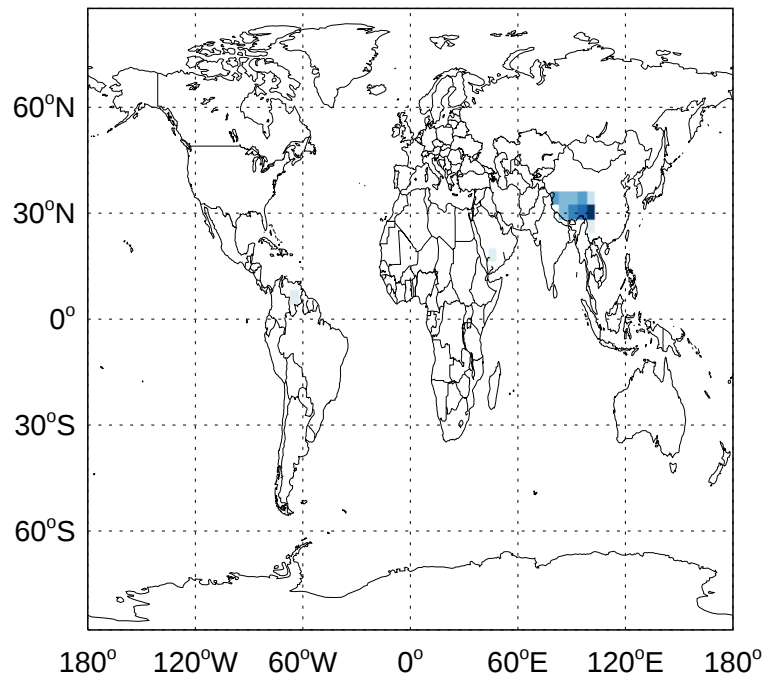
v11-02e-Run1 - v11-02d-Run1

JCFC12 - J-Value Diff @ surface for Apr



v11-02e-Run1 - v11-02d-Run1

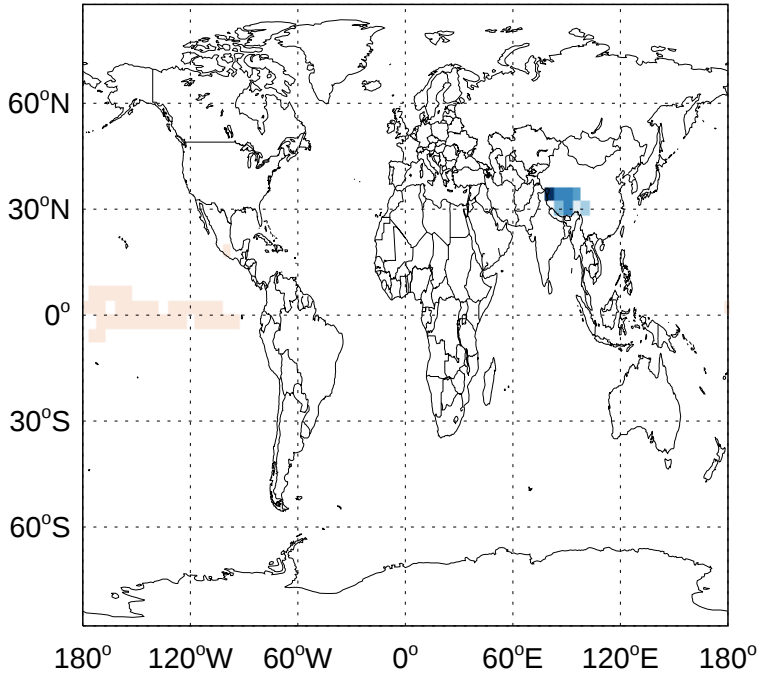
JCFC12 - J-Value Diff @ 500 hPa for Apr



GEOS-Chem J-Values at surface and 500 hPa

v11-02e-Run1 - v11-02e-Run0

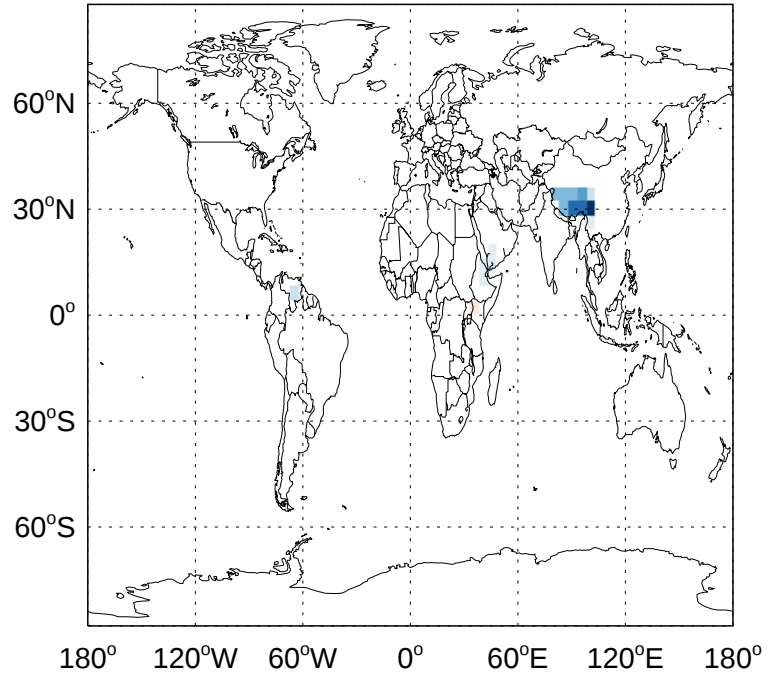
JCCI4 - J-Value Diff @ surface for Apr



-1.11e-17 -3.71e-18 3.71e-18 1.11e-17s-1

v11-02e-Run1 - v11-02e-Run0

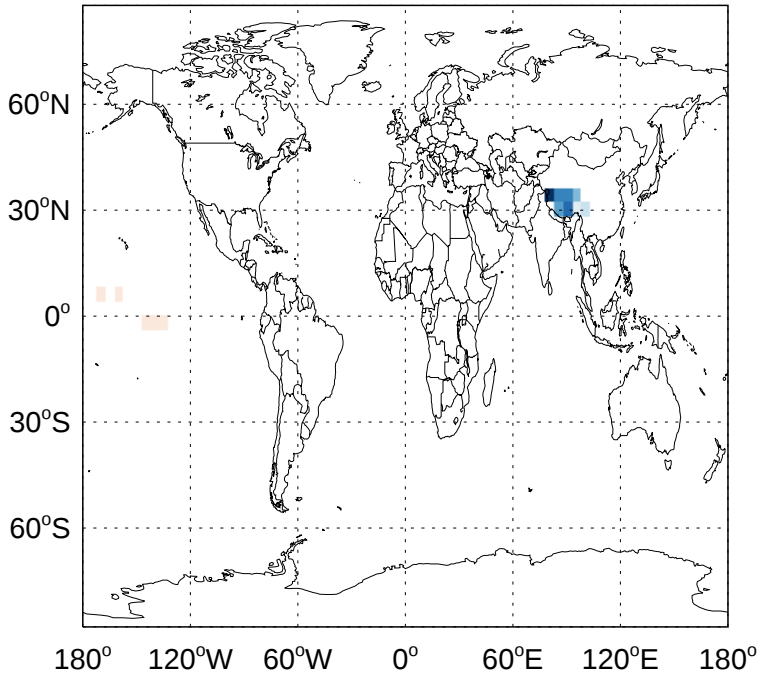
JCCI4 - J-Value Diff @ 500 hPa for Apr



-2.25e-14 -7.49e-15 7.49e-15 2.25e-14s-1

v11-02e-Run1 - v11-02d-Run1

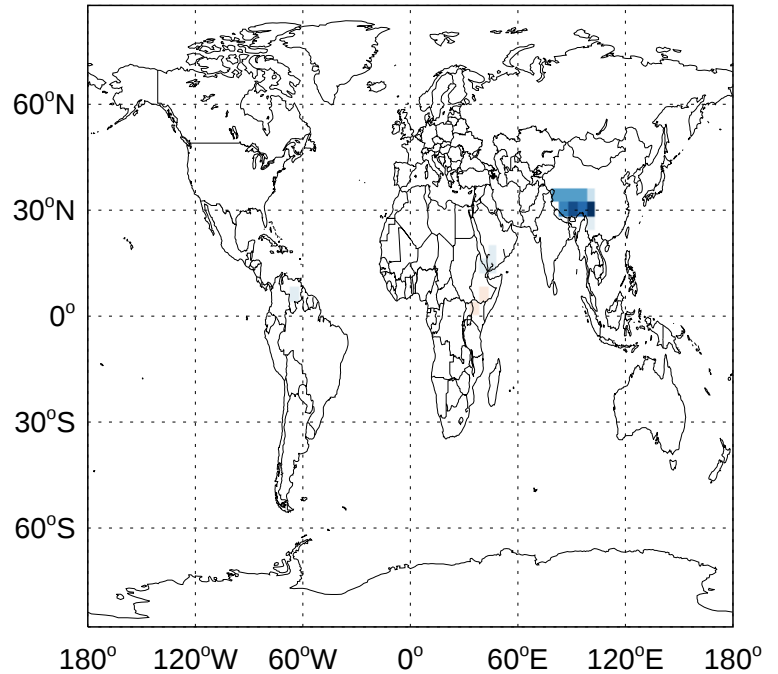
JCCI4 - J-Value Diff @ surface for Apr



-1.52e-17 -5.07e-18 5.07e-18 1.52e-17s-1

v11-02e-Run1 - v11-02d-Run1

JCCI4 - J-Value Diff @ 500 hPa for Apr

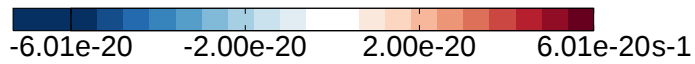
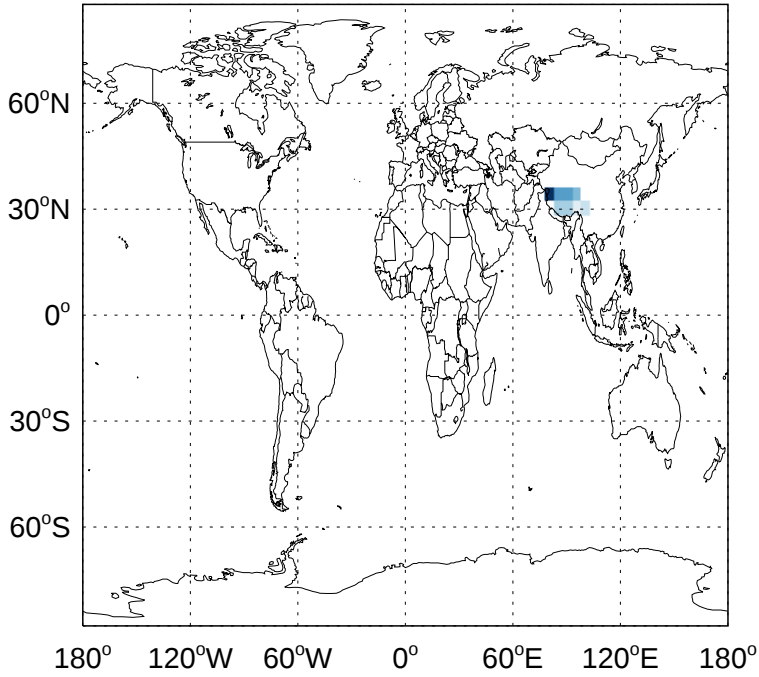


-2.46e-14 -8.20e-15 8.20e-15 2.46e-14s-1

GEOS-Chem J-Values at surface and 500 hPa

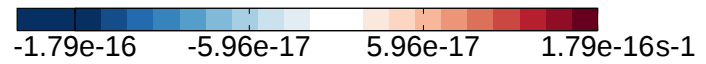
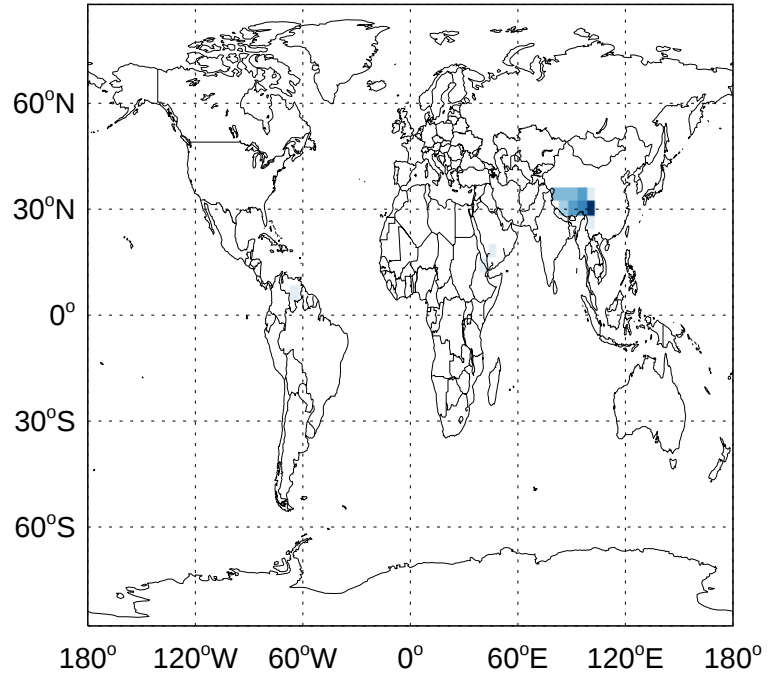
v11-02e-Run1 - v11-02e-Run0

JCH3Cl - J-Value Diff @ surface for Apr



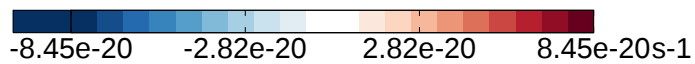
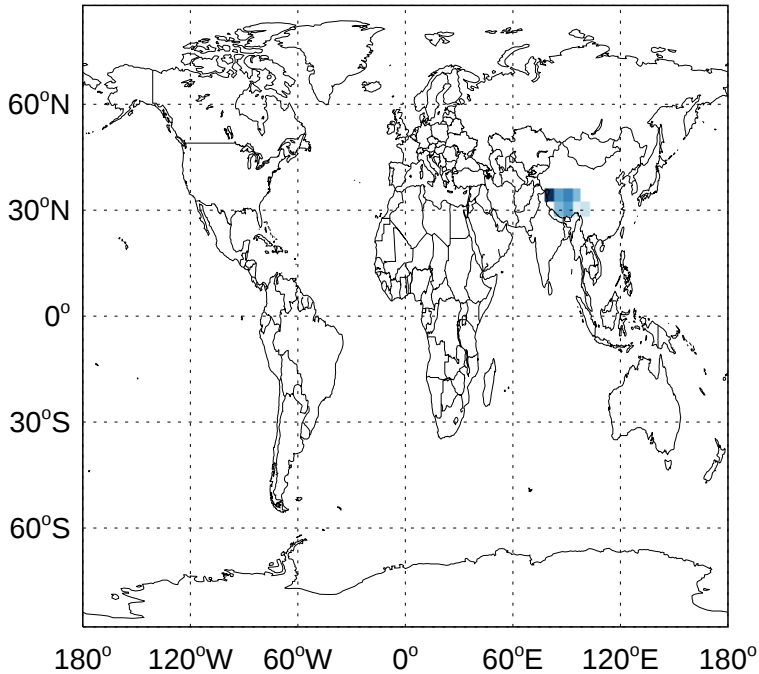
v11-02e-Run1 - v11-02e-Run0

JCH3Cl - J-Value Diff @ 500 hPa for Apr



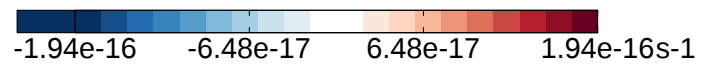
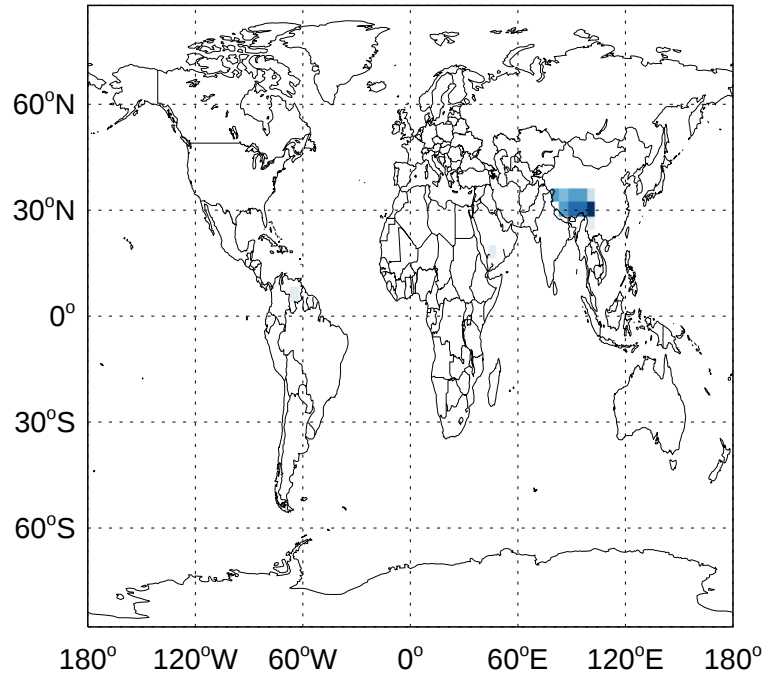
v11-02e-Run1 - v11-02d-Run1

JCH3Cl - J-Value Diff @ surface for Apr



v11-02e-Run1 - v11-02d-Run1

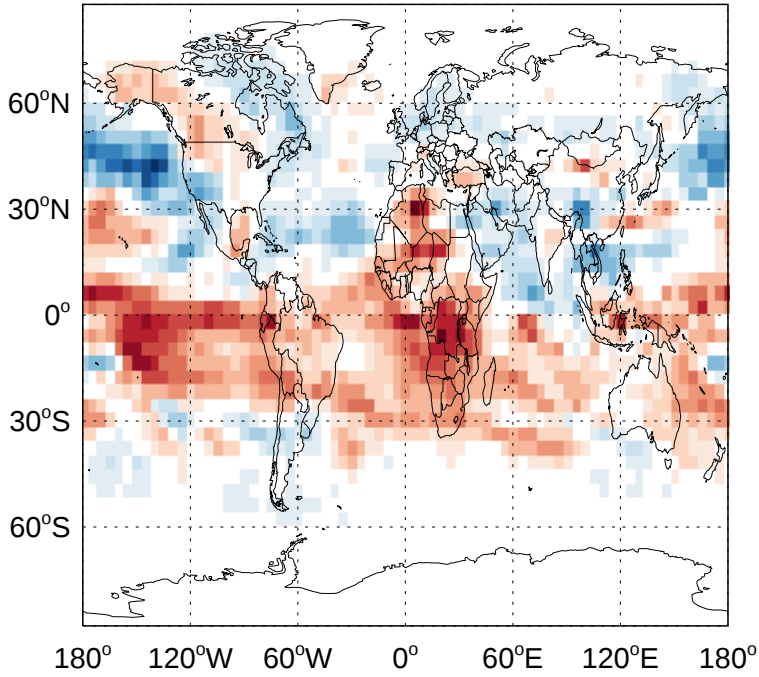
JCH3Cl - J-Value Diff @ 500 hPa for Apr



GEOS-Chem J-Values at surface and 500 hPa

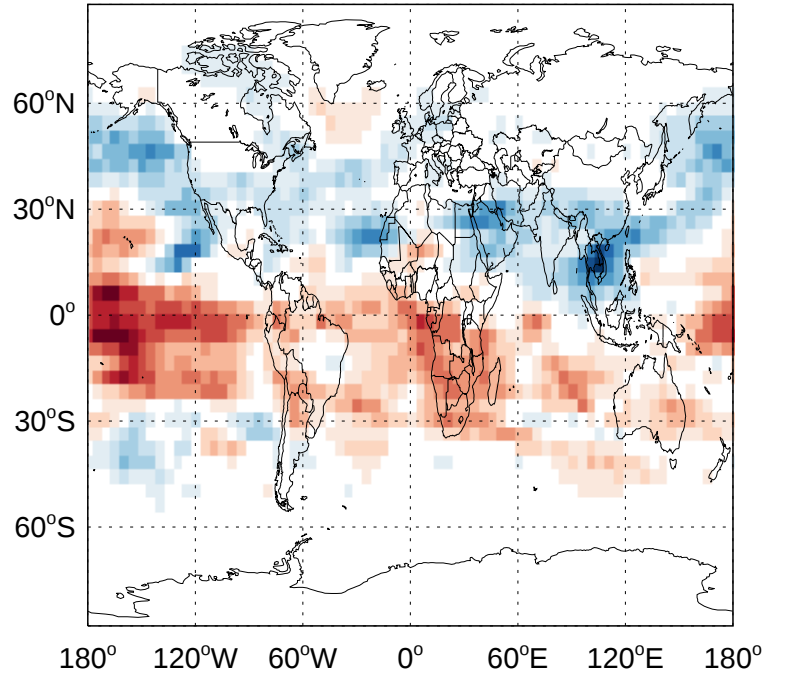
v11-02e-Run1 - v11-02e-Run0

JACET - J-Value Diff @ surface for Apr



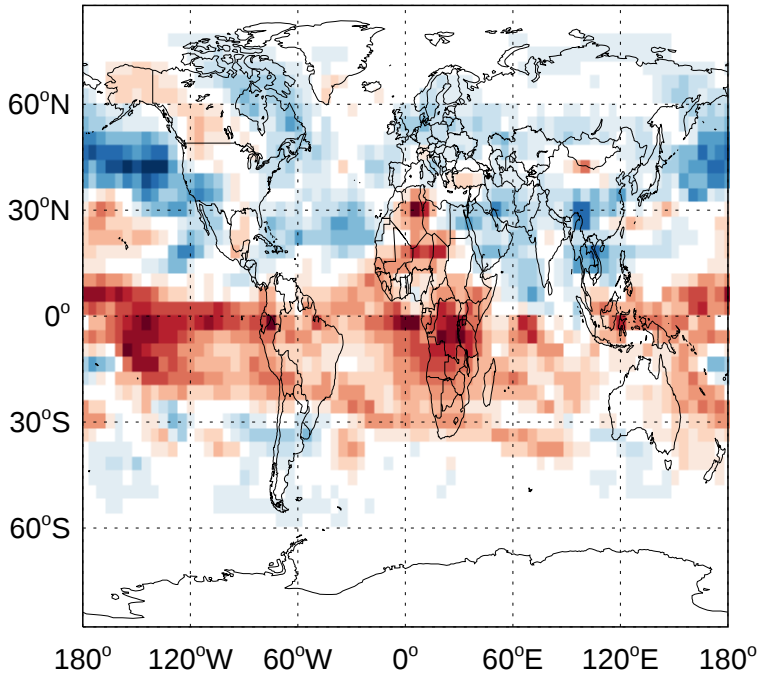
v11-02e-Run1 - v11-02e-Run0

JACET - J-Value Diff @ 500 hPa for Apr



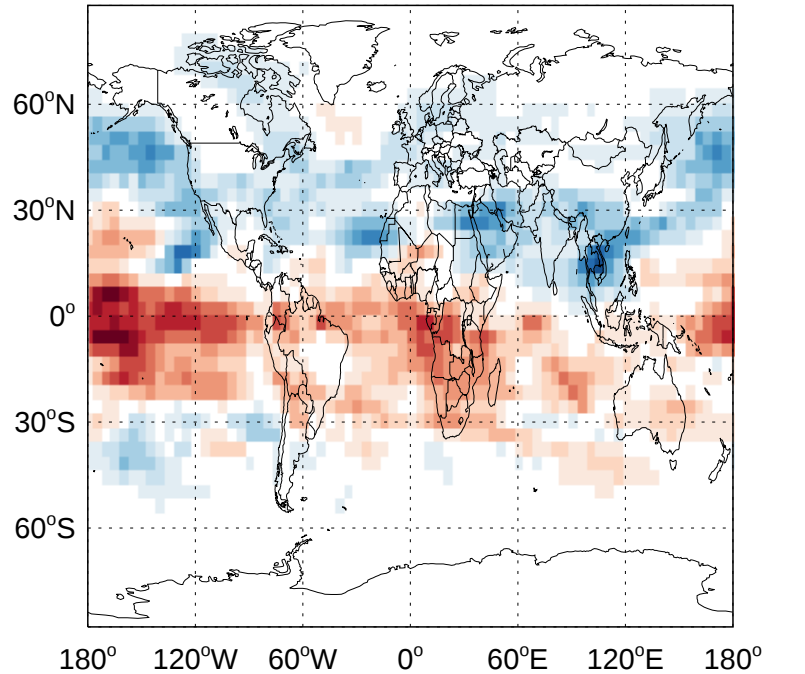
v11-02e-Run1 - v11-02d-Run1

JACET - J-Value Diff @ surface for Apr



v11-02e-Run1 - v11-02d-Run1

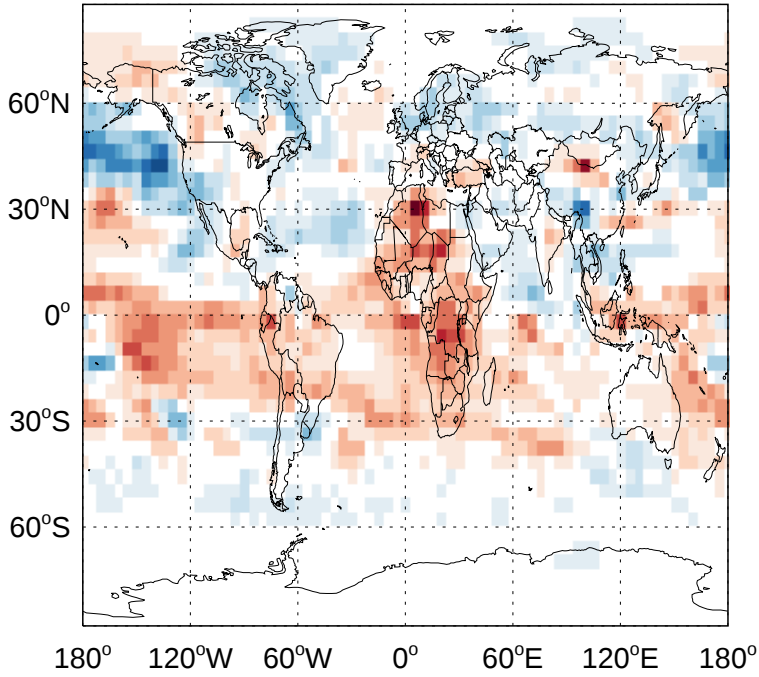
JACET - J-Value Diff @ 500 hPa for Apr



GEOS-Chem J-Values at surface and 500 hPa

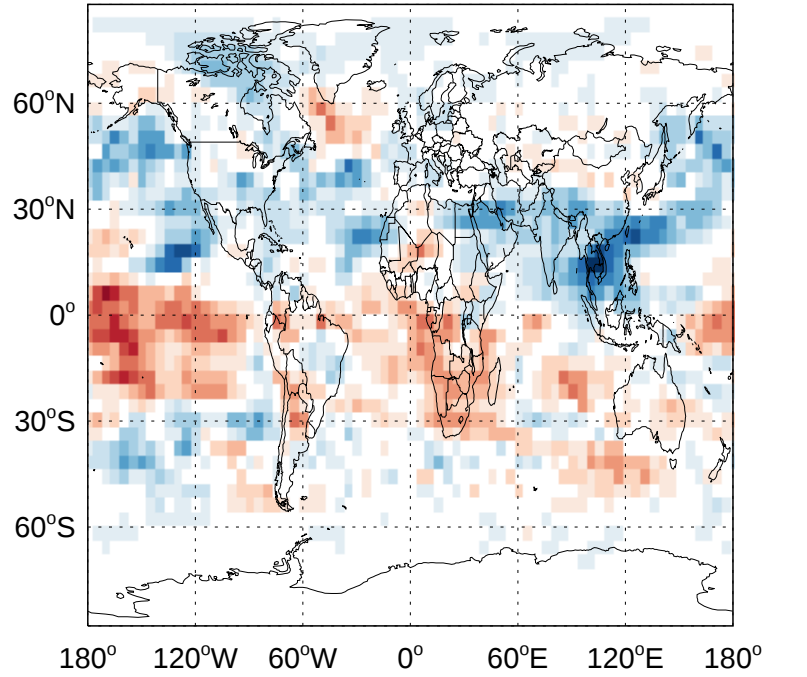
v11-02e-Run1 - v11-02e-Run0

JALD2 - J-Value Diff @ surface for Apr



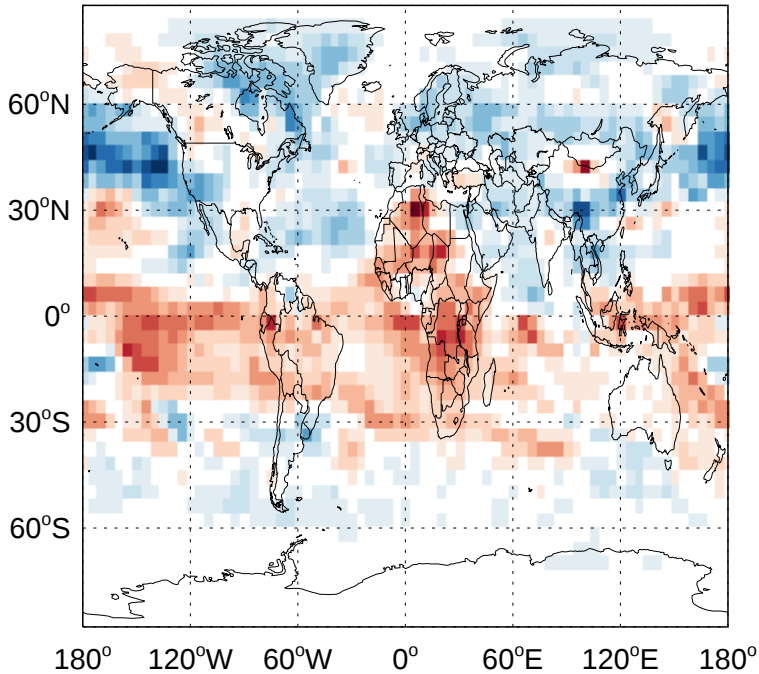
v11-02e-Run1 - v11-02e-Run0

JALD2 - J-Value Diff @ 500 hPa for Apr



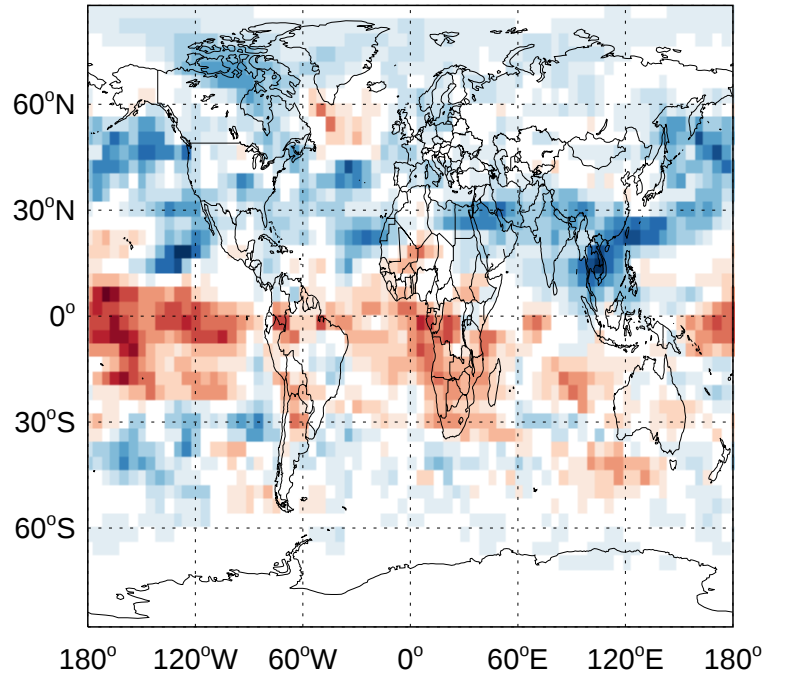
v11-02e-Run1 - v11-02d-Run1

JALD2 - J-Value Diff @ surface for Apr



v11-02e-Run1 - v11-02d-Run1

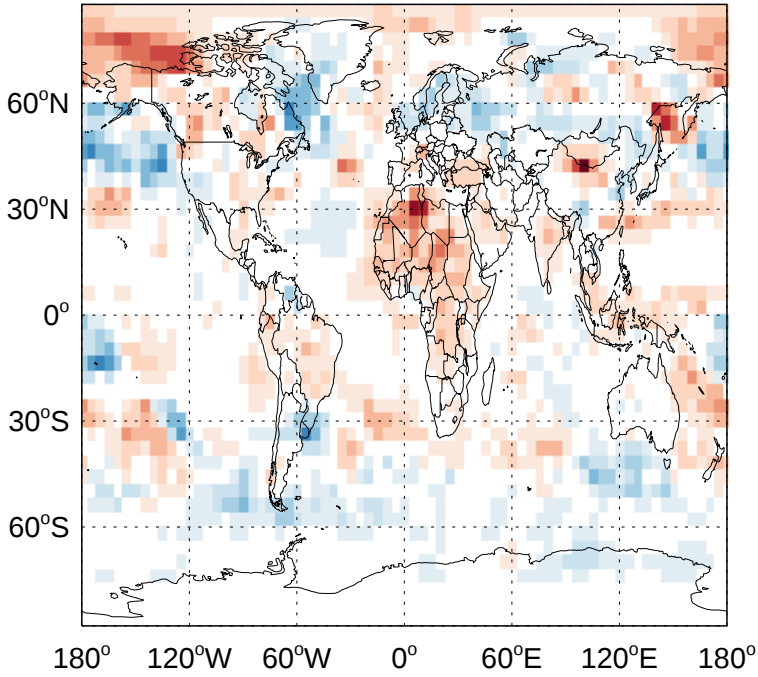
JALD2 - J-Value Diff @ 500 hPa for Apr



GEOS-Chem J-Values at surface and 500 hPa

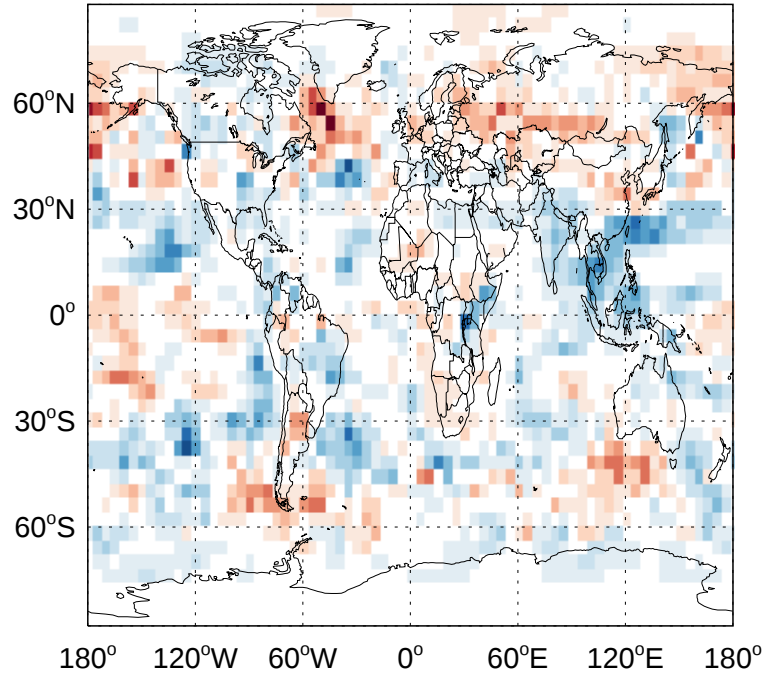
v11-02e-Run1 - v11-02e-Run0

JMVK - J-Value Diff @ surface for Apr



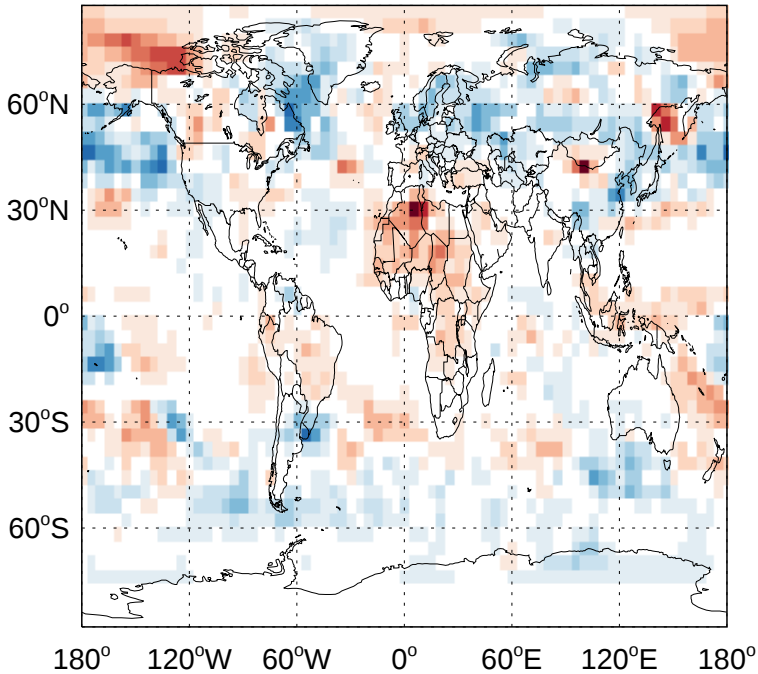
v11-02e-Run1 - v11-02e-Run0

JMVK - J-Value Diff @ 500 hPa for Apr



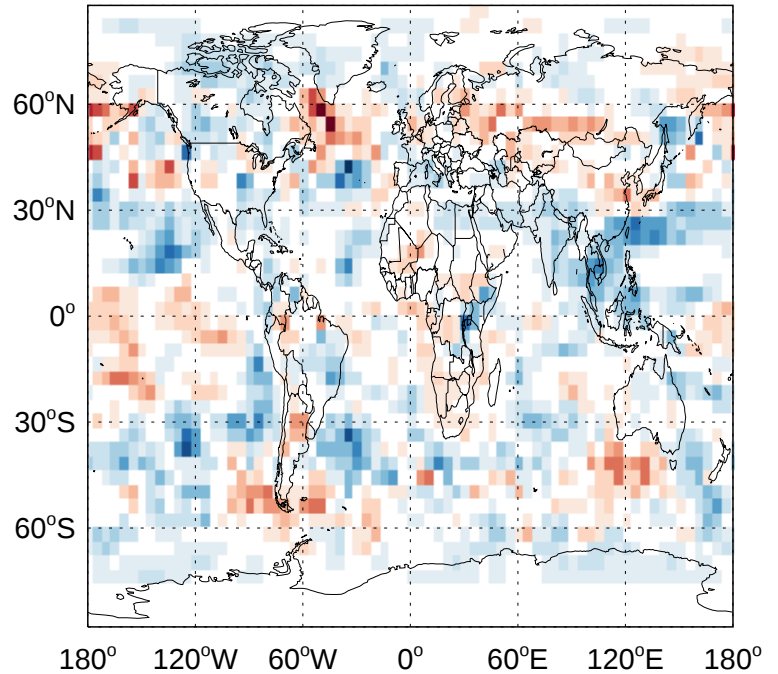
v11-02e-Run1 - v11-02d-Run1

JMVK - J-Value Diff @ surface for Apr



v11-02e-Run1 - v11-02d-Run1

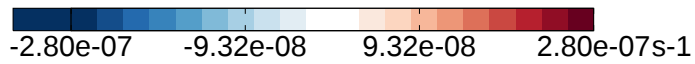
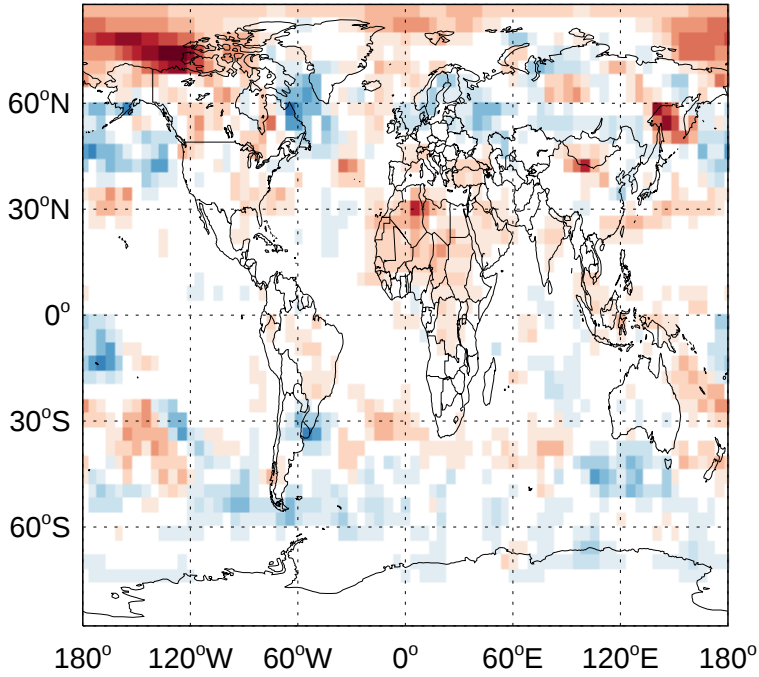
JMVK - J-Value Diff @ 500 hPa for Apr



GEOS-Chem J-Values at surface and 500 hPa

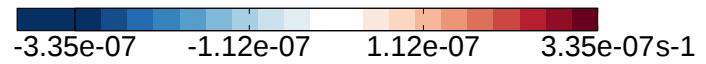
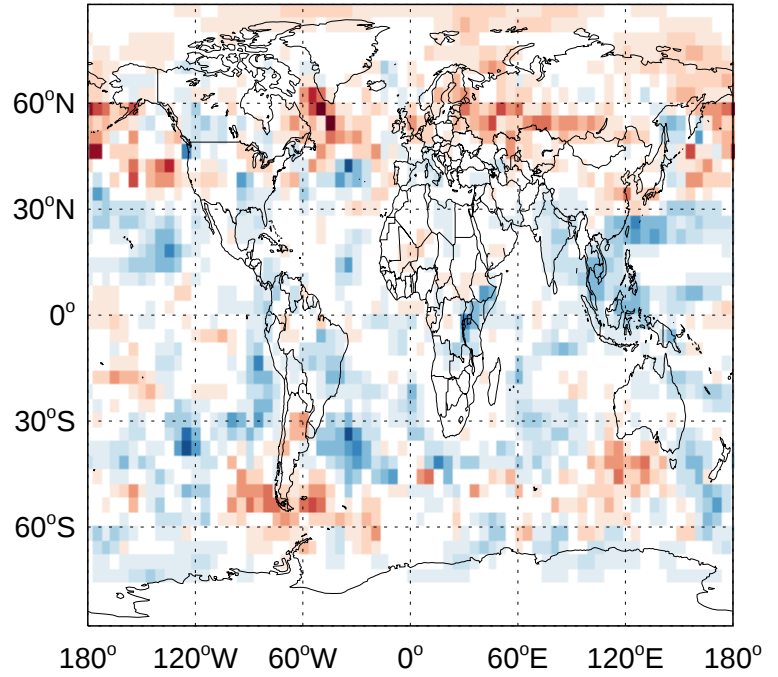
v11-02e-Run1 - v11-02e-Run0

JMACR - J-Value Diff @ surface for Apr



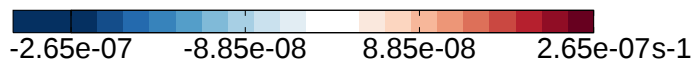
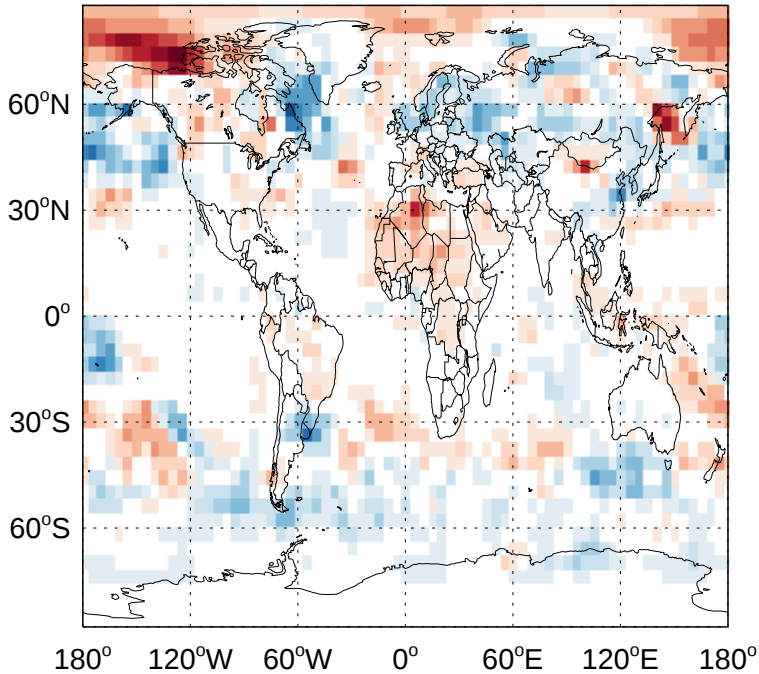
v11-02e-Run1 - v11-02e-Run0

JMACR - J-Value Diff @ 500 hPa for Apr



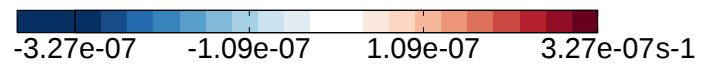
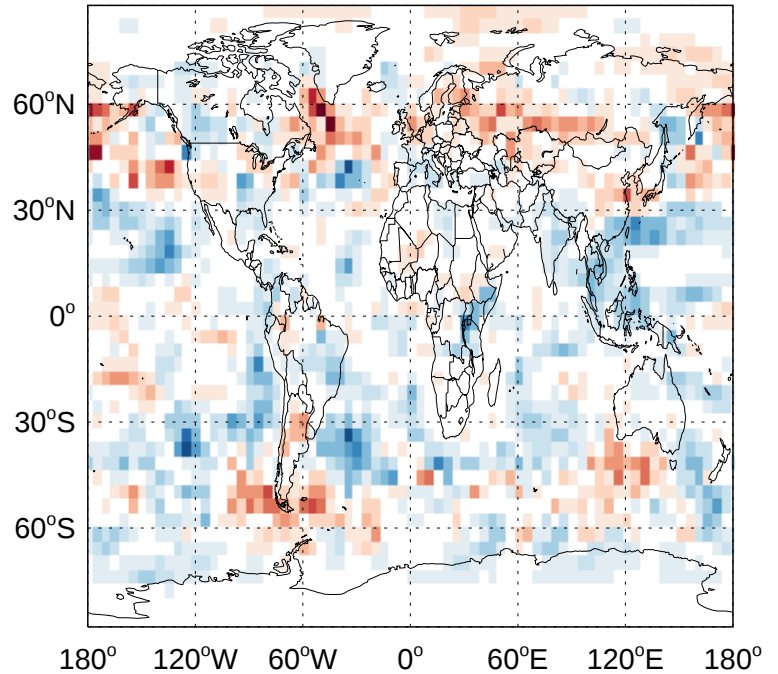
v11-02e-Run1 - v11-02d-Run1

JMACR - J-Value Diff @ surface for Apr



v11-02e-Run1 - v11-02d-Run1

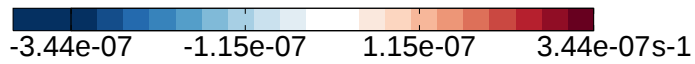
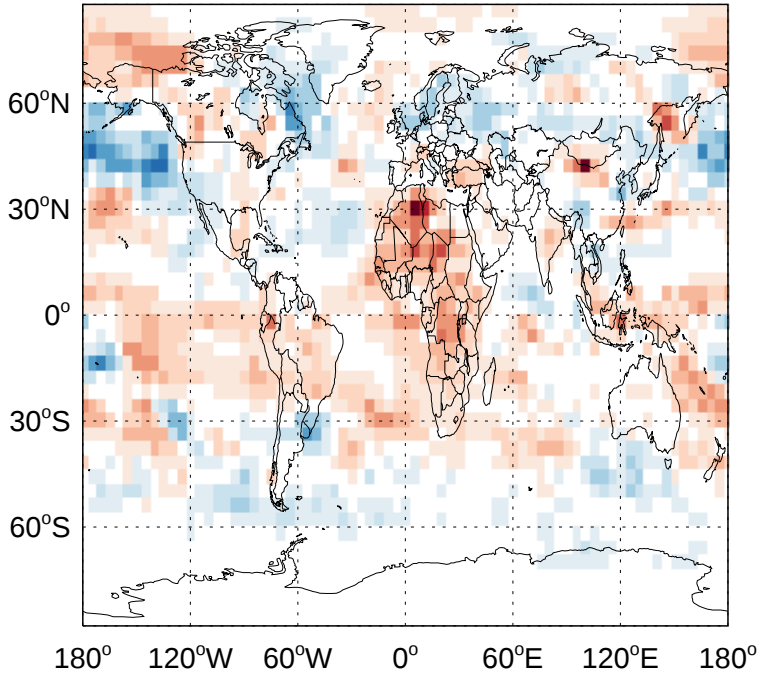
JMACR - J-Value Diff @ 500 hPa for Apr



GEOS-Chem J-Values at surface and 500 hPa

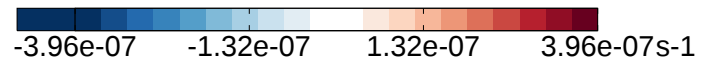
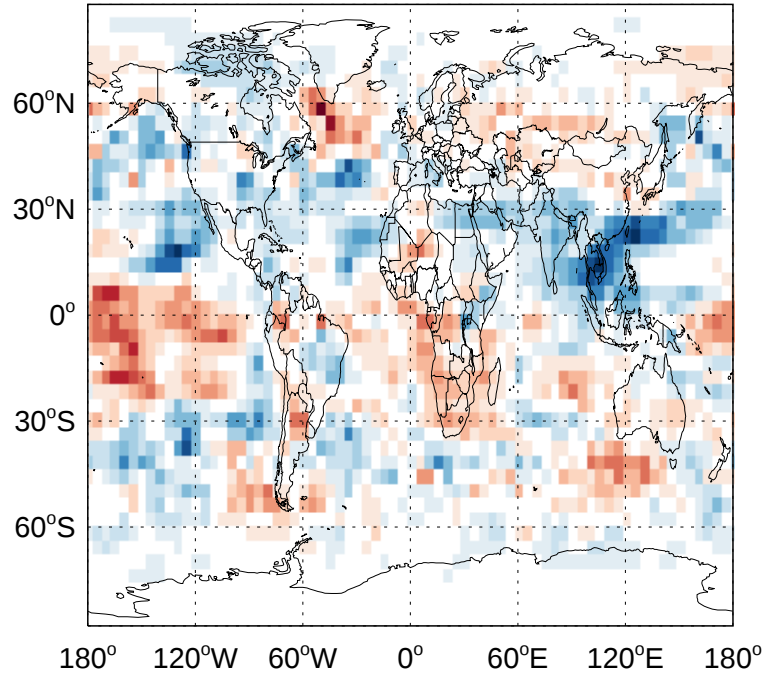
v11-02e-Run1 - v11-02e-Run0

JHAC - J-Value Diff @ surface for Apr



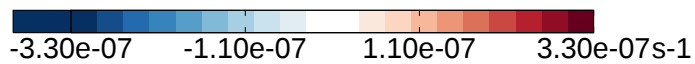
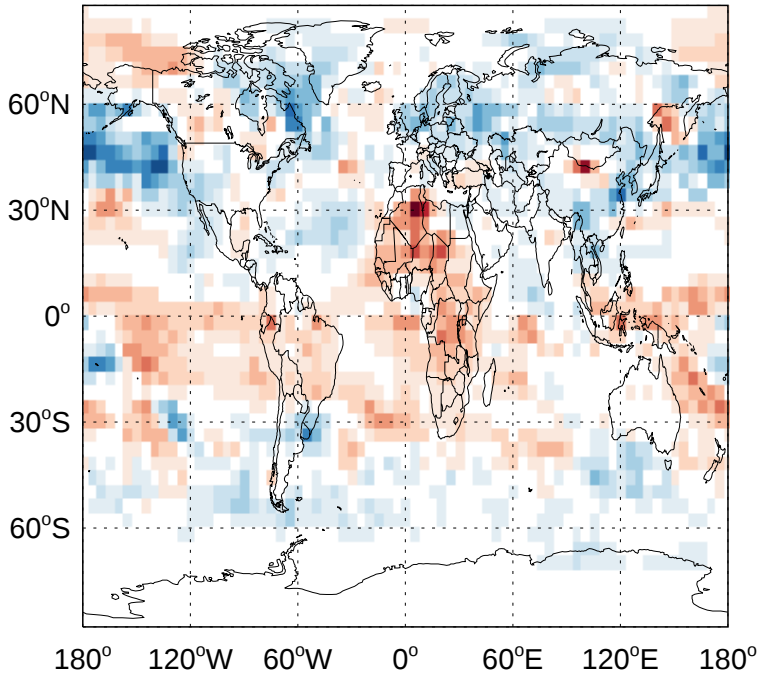
v11-02e-Run1 - v11-02e-Run0

JHAC - J-Value Diff @ 500 hPa for Apr



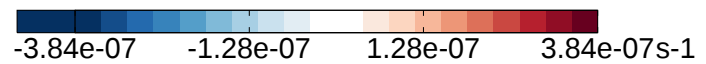
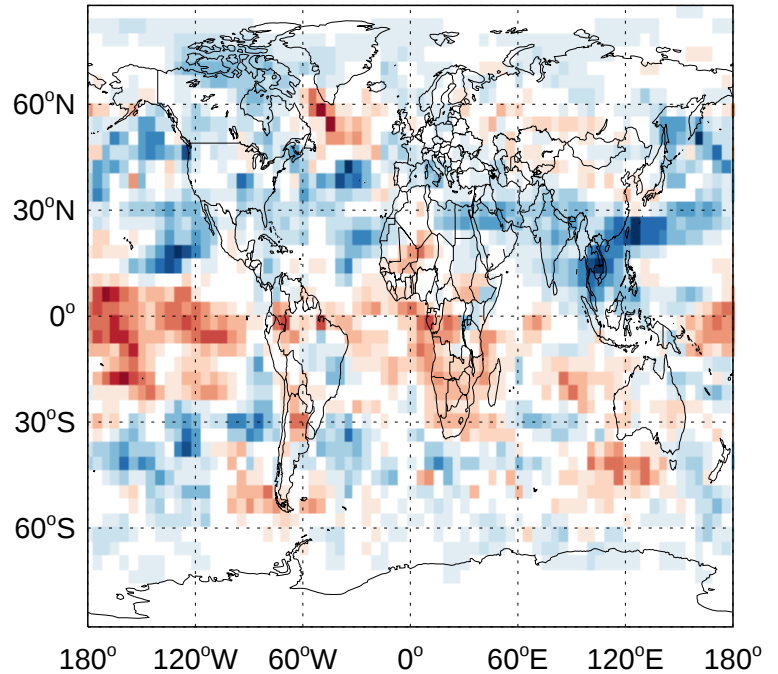
v11-02e-Run1 - v11-02d-Run1

JHAC - J-Value Diff @ surface for Apr



v11-02e-Run1 - v11-02d-Run1

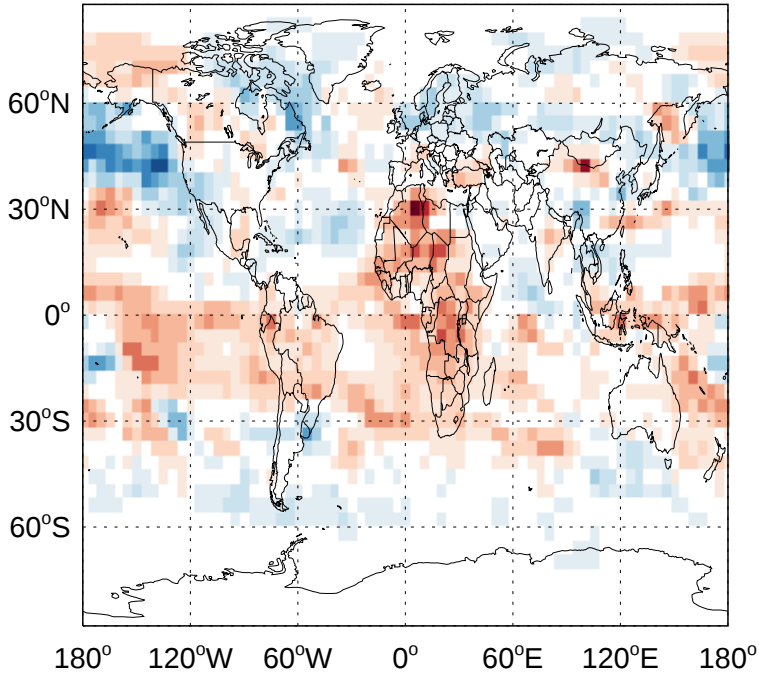
JHAC - J-Value Diff @ 500 hPa for Apr



GEOS-Chem J-Values at surface and 500 hPa

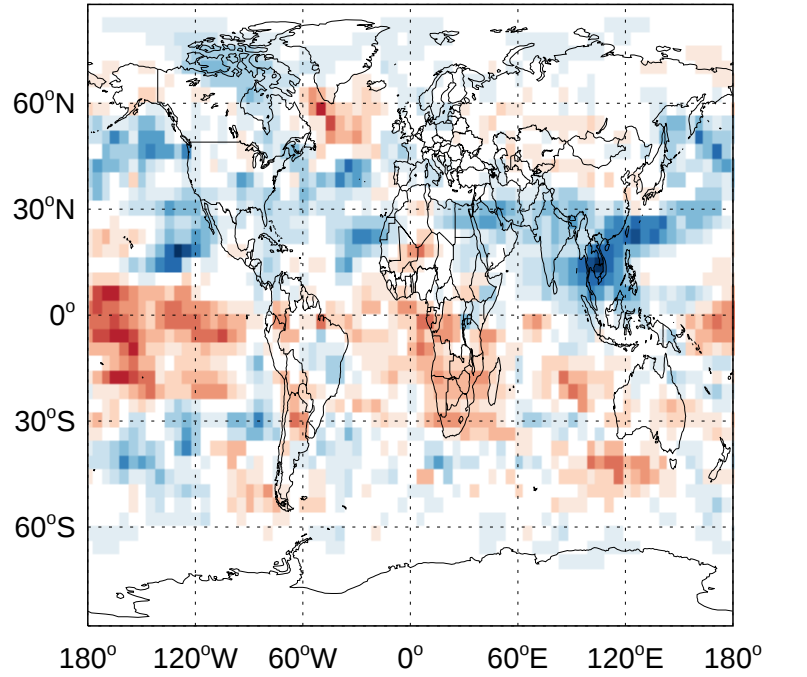
v11-02e-Run1 - v11-02e-Run0

JGLYC - J-Value Diff @ surface for Apr



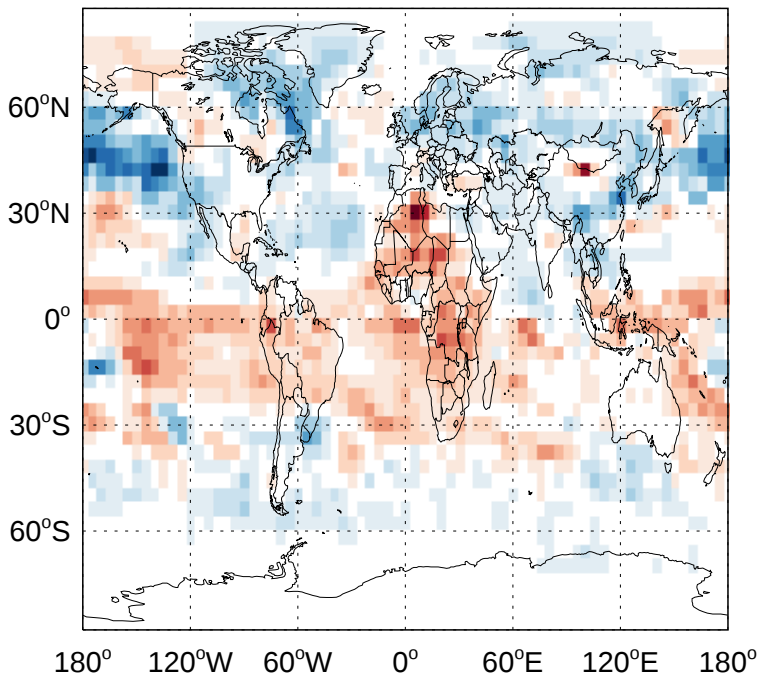
v11-02e-Run1 - v11-02e-Run0

JGLYC - J-Value Diff @ 500 hPa for Apr



v11-02e-Run1 - v11-02d-Run1

JGLYC - J-Value Diff @ surface for Apr



v11-02e-Run1 - v11-02d-Run1

JGLYC - J-Value Diff @ 500 hPa for Apr

