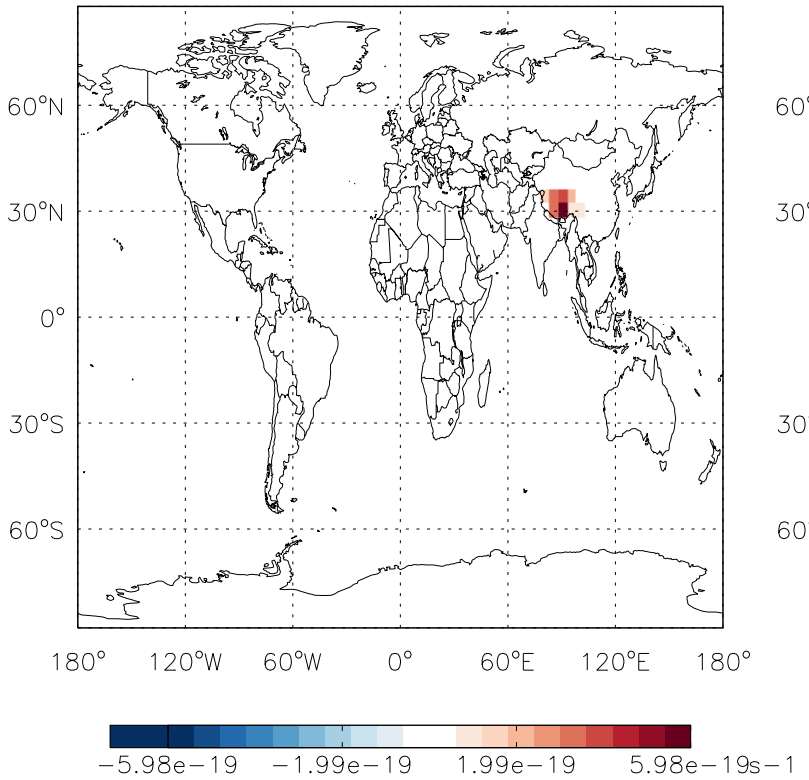
GEOS−Chem J−Values at surface and 500 hPa

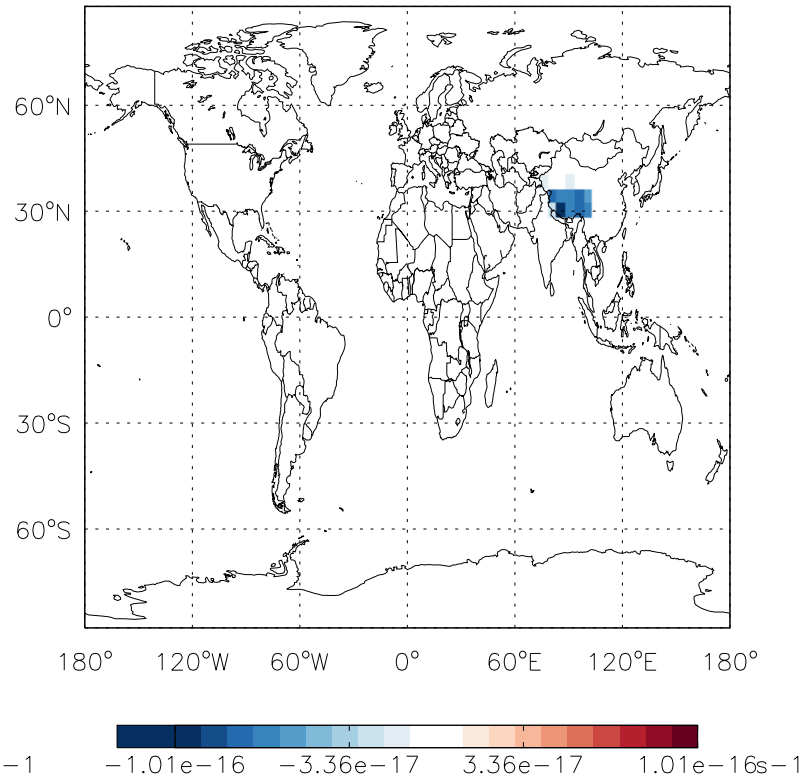
v11−01f−merra2−Run0 − v11−01f−geosfp−Run0

JNO − J−Value Diff @ surface for Jul



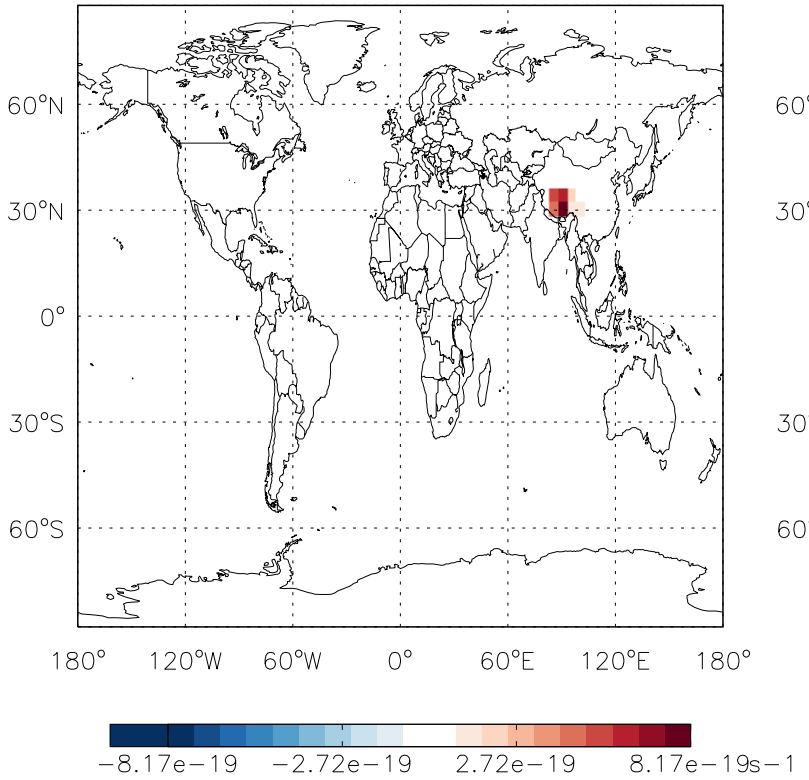
v11−01f−merra2−Run0 − v11−01f−geosfp−Run0

JNO − J−Value Diff @ 500 hPa for Jul



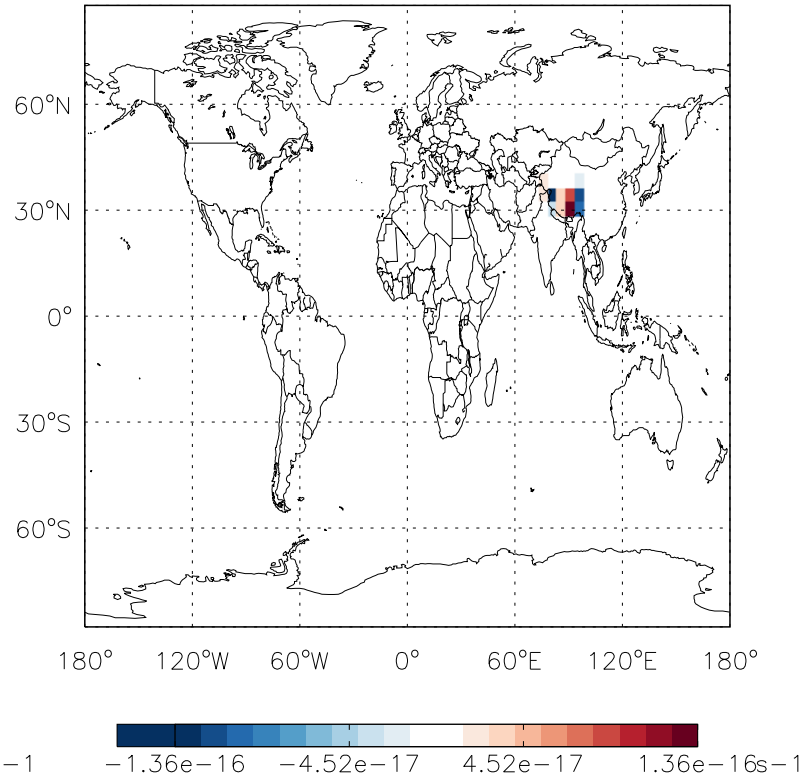
v11−01f−merra2−Run0 − v11−01d−Run1

JNO − J−Value Diff @ surface for Jul



v11−01f−merra2−Run0 − v11−01d−Run1

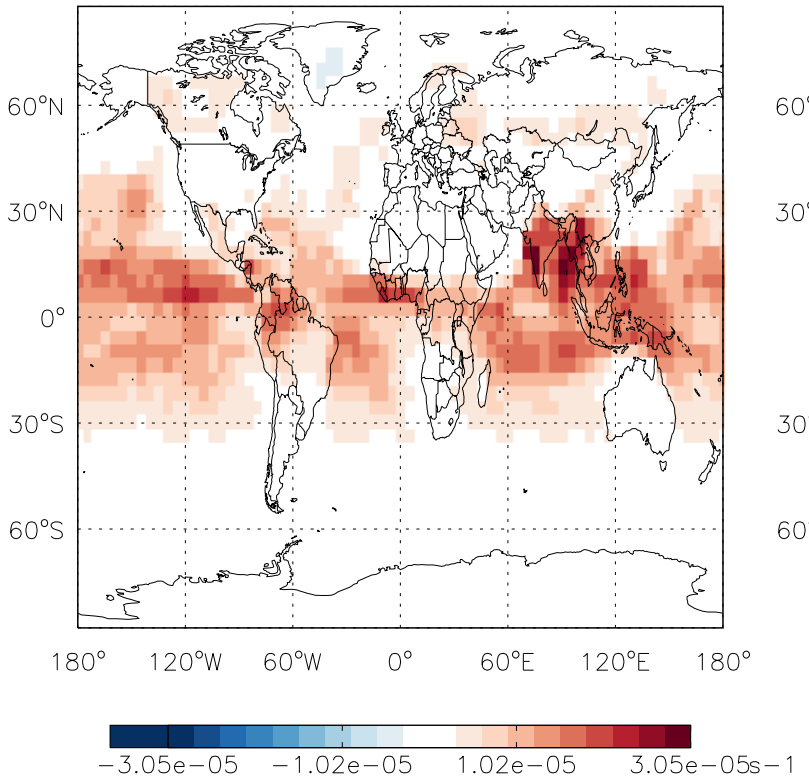
JNO − J−Value Diff @ 500 hPa for Jul



GEOS−Chem J−Values at surface and 500 hPa

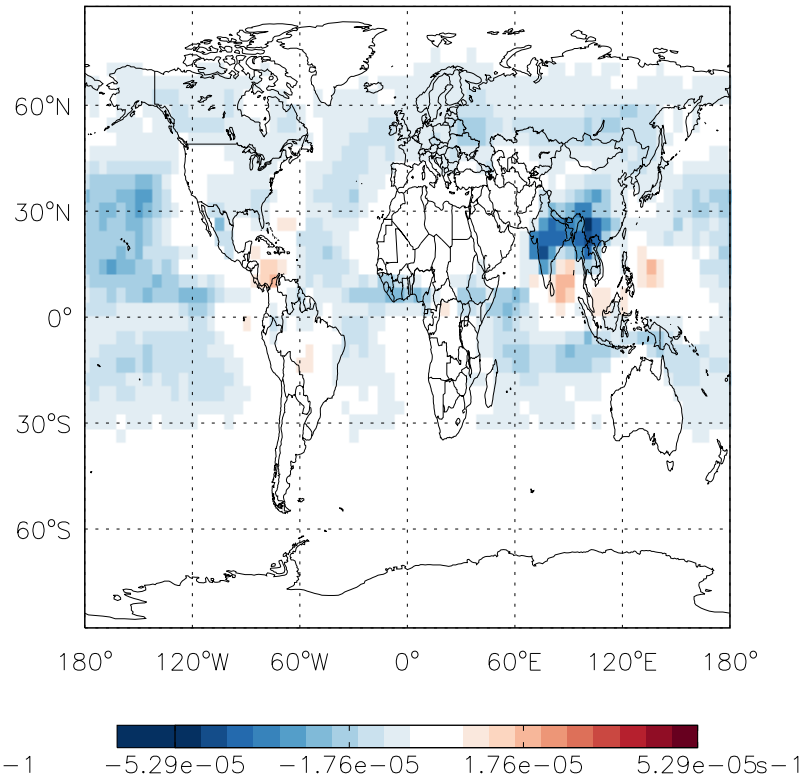
v11−01f−merra2−Run0 − v11−01f−geosfp−Run0

JO3_O1D − J−Value Diff @ surface for Jul



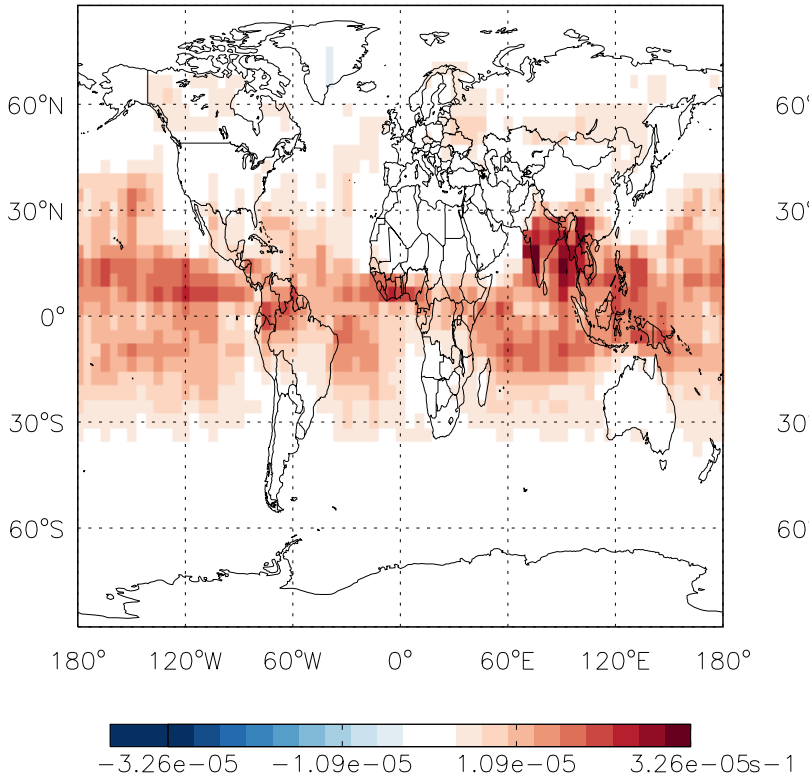
v11−01f−merra2−Run0 − v11−01f−geosfp−Run0

JO3_O1D − J−Value Diff @ 500 hPa for Jul



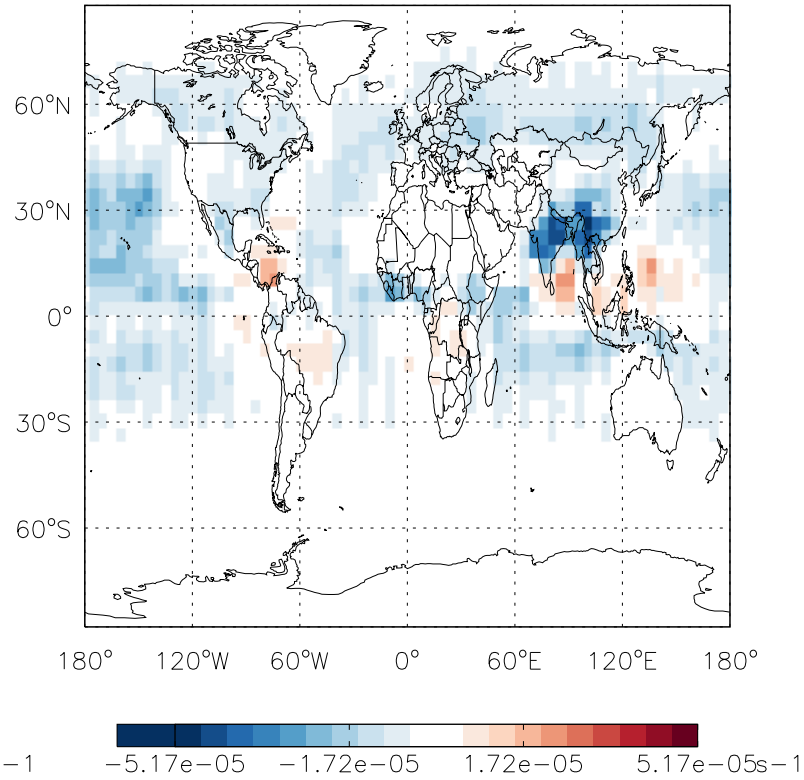
v11−01f−merra2−Run0 − v11−01d−Run1

JO3_O1D − J−Value Diff @ surface for Jul



v11−01f−merra2−Run0 − v11−01d−Run1

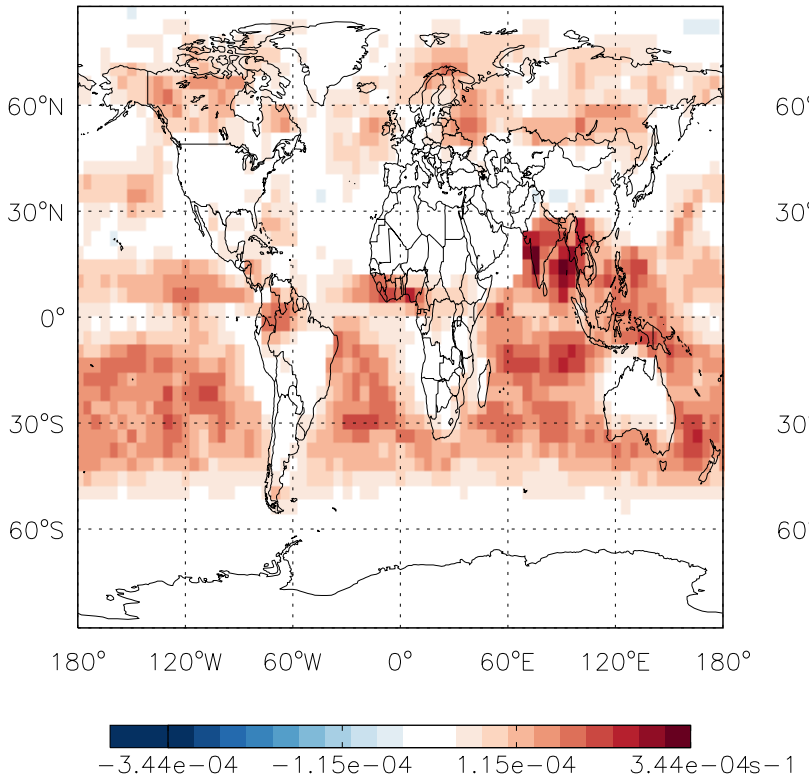
JO3_O1D − J−Value Diff @ 500 hPa for Jul



GEOS−Chem J−Values at surface and 500 hPa

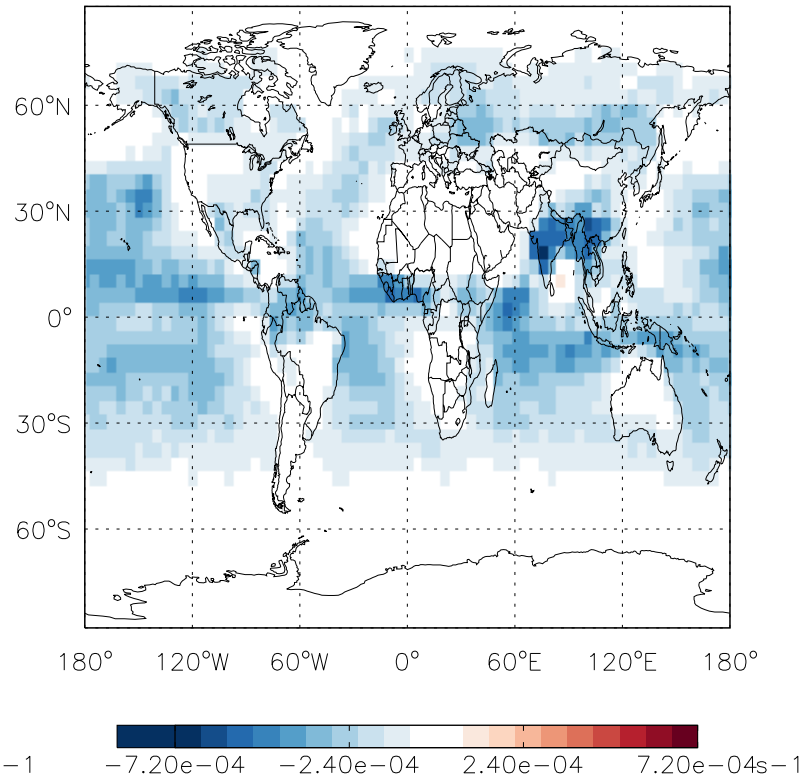
v11−01f−merra2−Run0 − v11−01f−geosfp−Run0

JO3_O3P − J−Value Diff @ surface for Jul



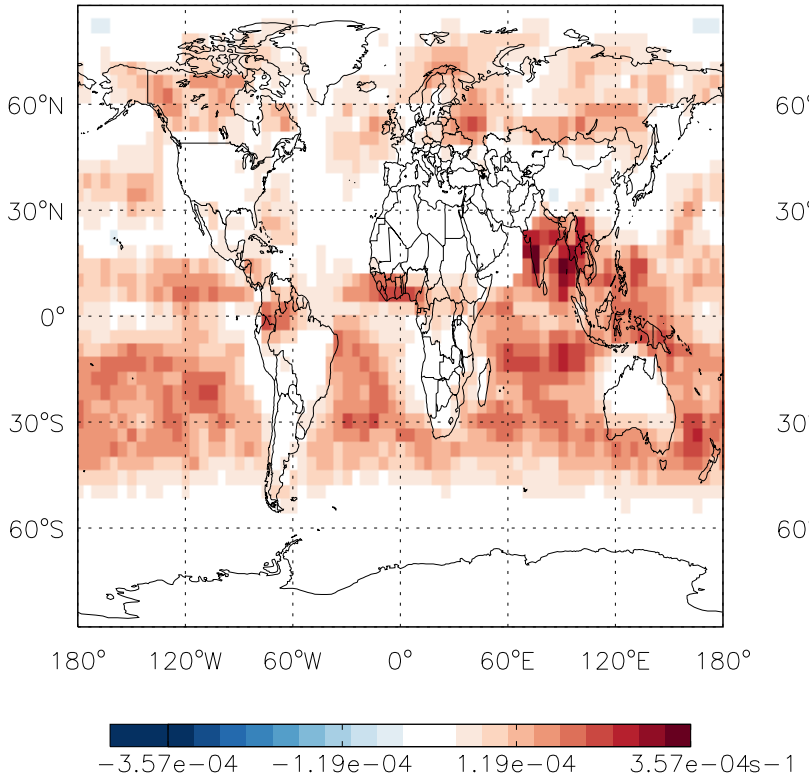
v11−01f−merra2−Run0 − v11−01f−geosfp−Run0

JO3_O3P − J−Value Diff @ 500 hPa for Jul



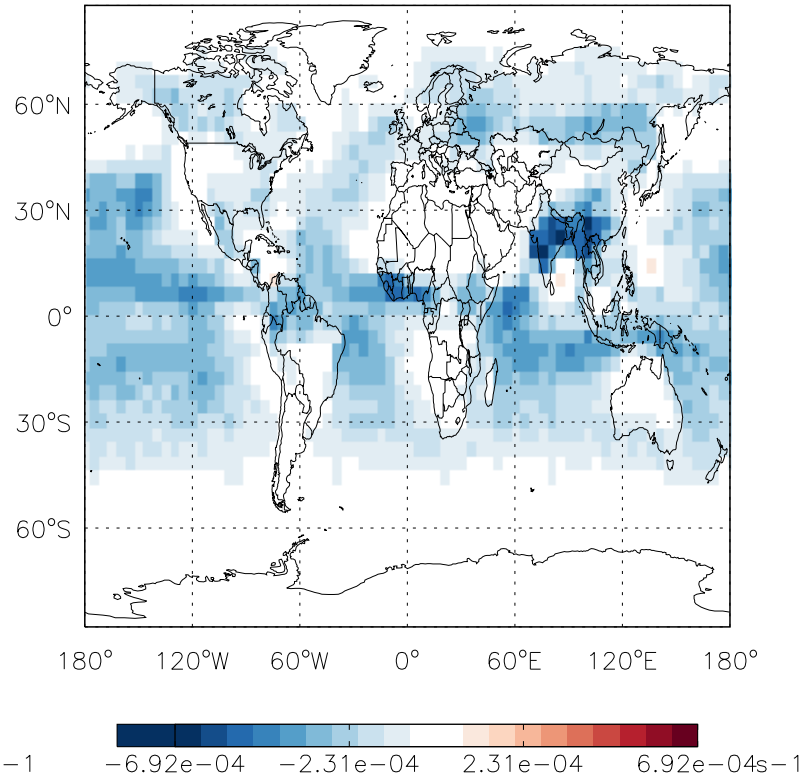
v11−01f−merra2−Run0 − v11−01d−Run1

JO3_O3P − J−Value Diff @ surface for Jul



v11−01f−merra2−Run0 − v11−01d−Run1

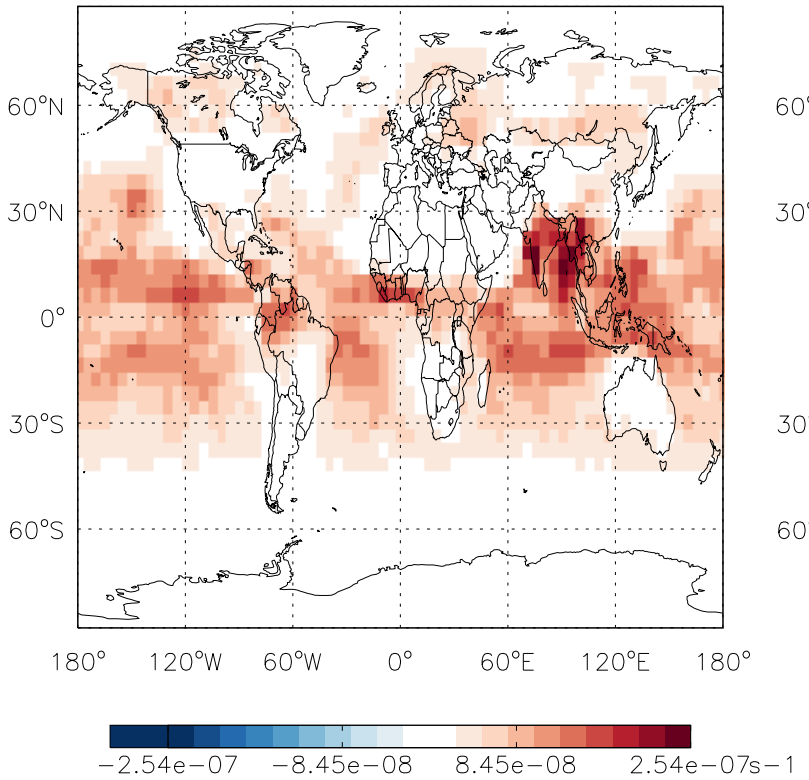
JO3_O3P − J−Value Diff @ 500 hPa for Jul



GEOS−Chem J−Values at surface and 500 hPa

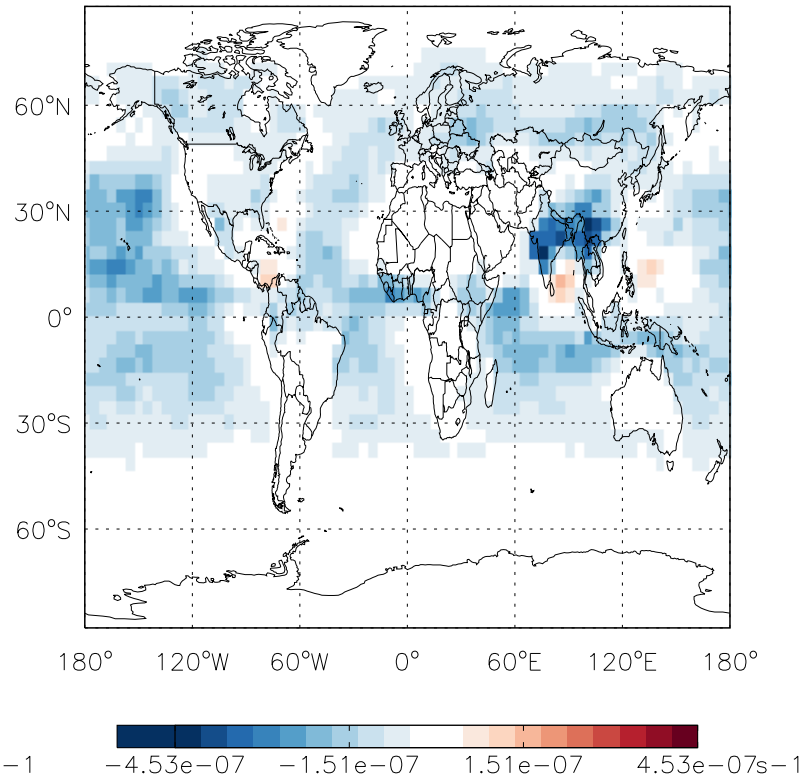
v11−01f−merra2−Run0 − v11−01f−geosfp−Run0

JHNO3 − J−Value Diff @ surface for Jul



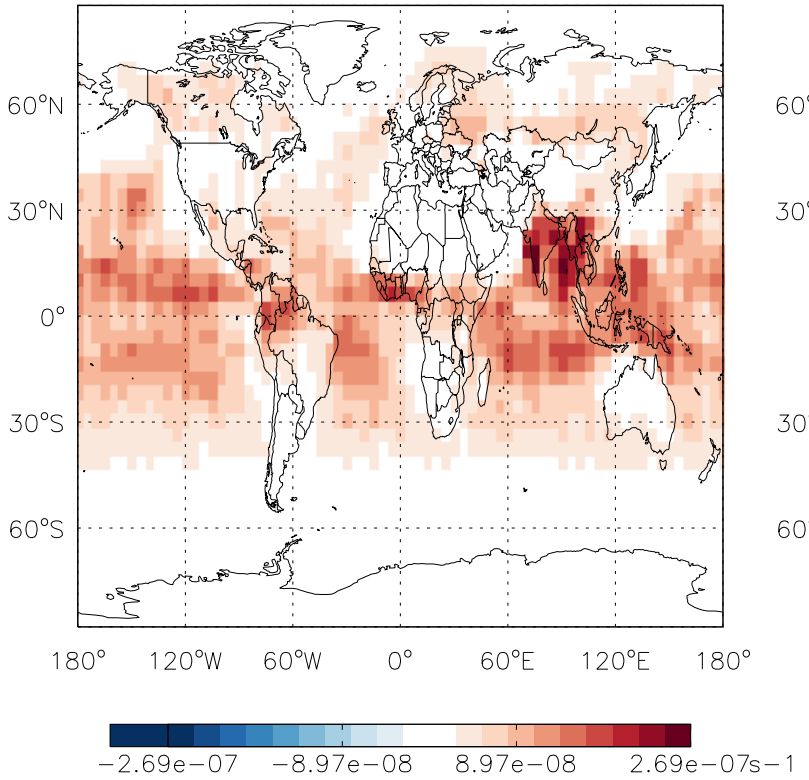
v11−01f−merra2−Run0 − v11−01f−geosfp−Run0

JHNO3 − J−Value Diff @ 500 hPa for Jul



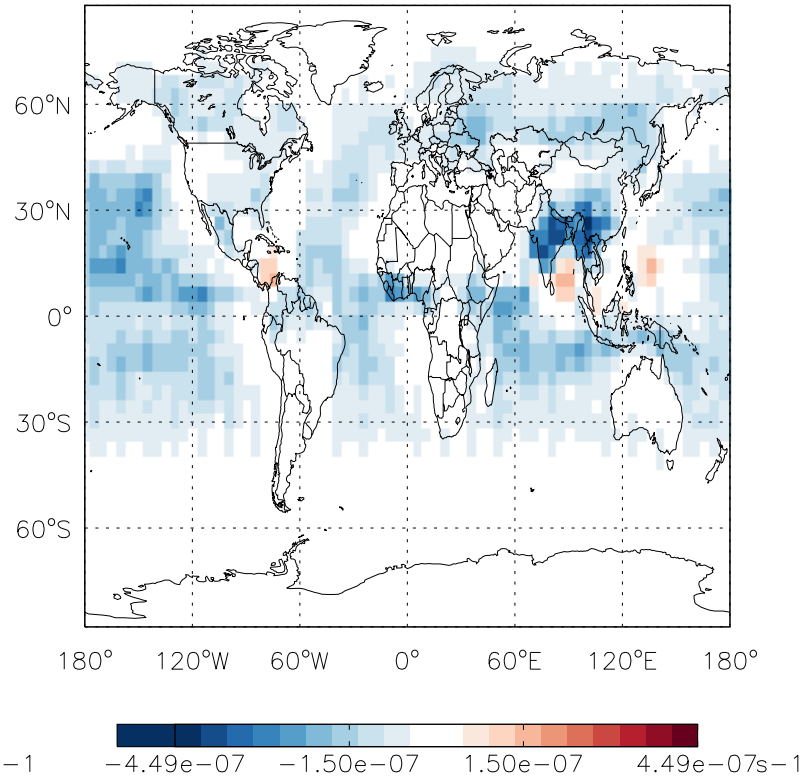
v11−01f−merra2−Run0 − v11−01d−Run1

JHNO3 − J−Value Diff @ surface for Jul



v11−01f−merra2−Run0 − v11−01d−Run1

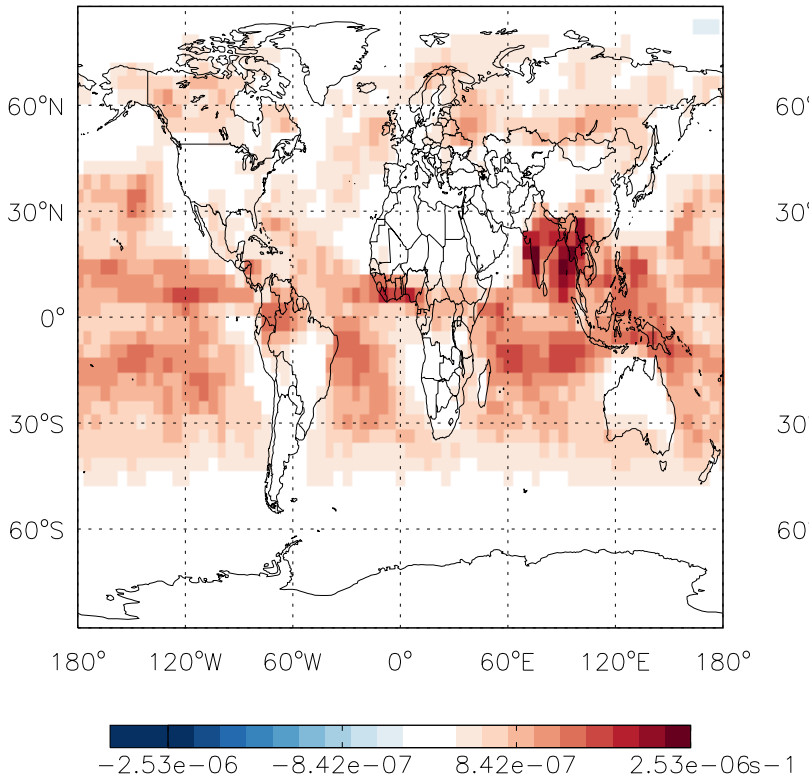
JHNO3 − J−Value Diff @ 500 hPa for Jul



GEOS−Chem J−Values at surface and 500 hPa

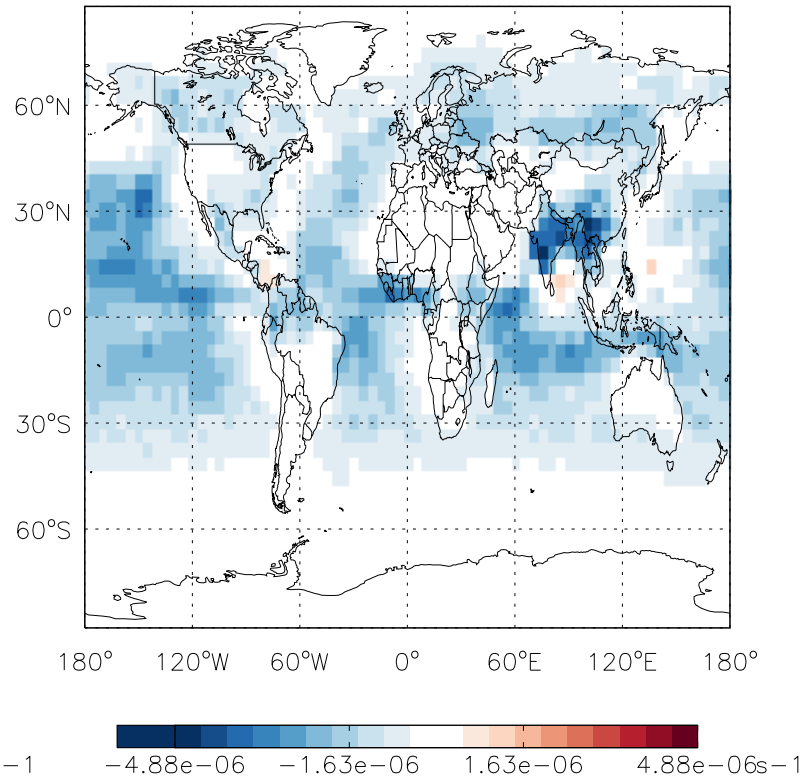
v11−01f−merra2−Run0 − v11−01f−geosfp−Run0

JH2O2 − J−Value Diff @ surface for Jul



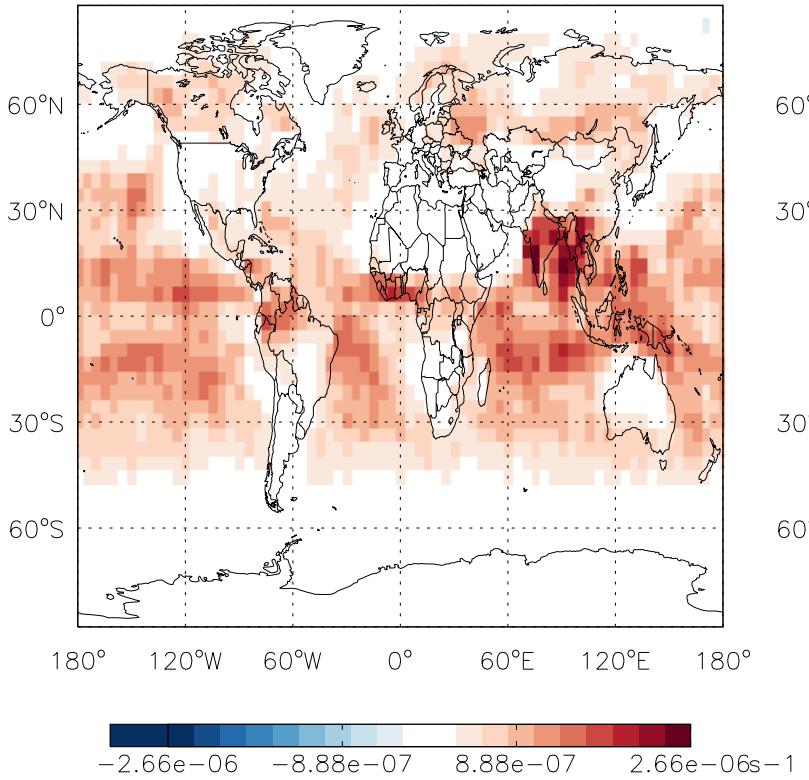
v11−01f−merra2−Run0 − v11−01f−geosfp−Run0

JH2O2 − J−Value Diff @ 500 hPa for Jul



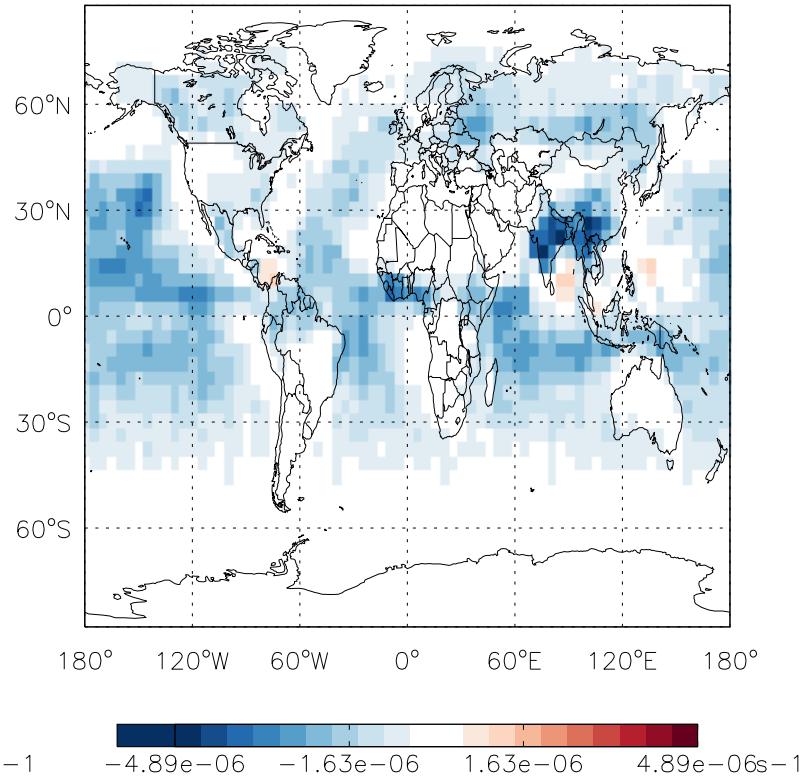
v11−01f−merra2−Run0 − v11−01d−Run1

JH2O2 − J−Value Diff @ surface for Jul



v11−01f−merra2−Run0 − v11−01d−Run1

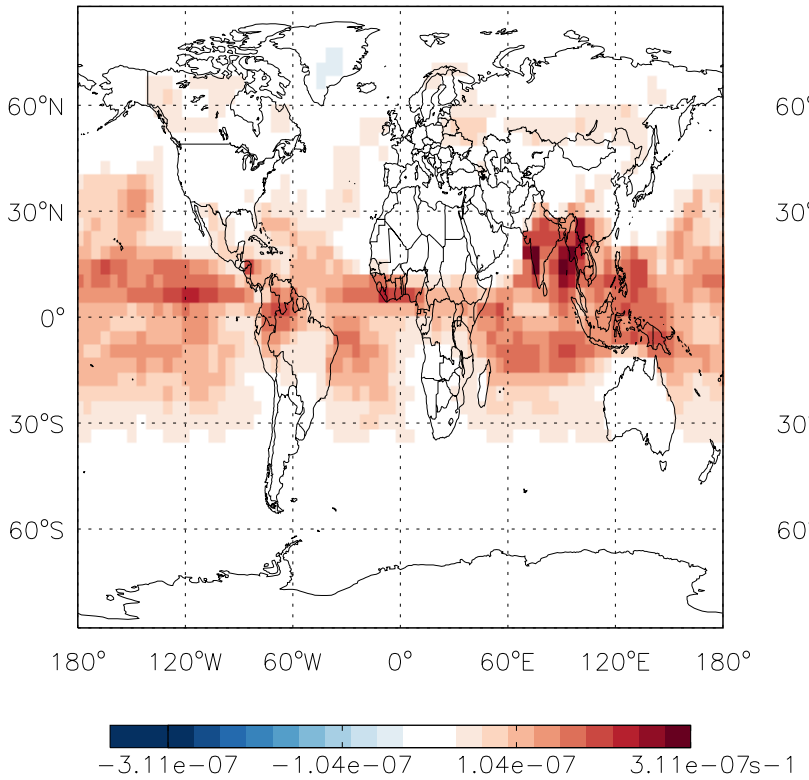
JH2O2 − J−Value Diff @ 500 hPa for Jul



GEOS−Chem J−Values at surface and 500 hPa

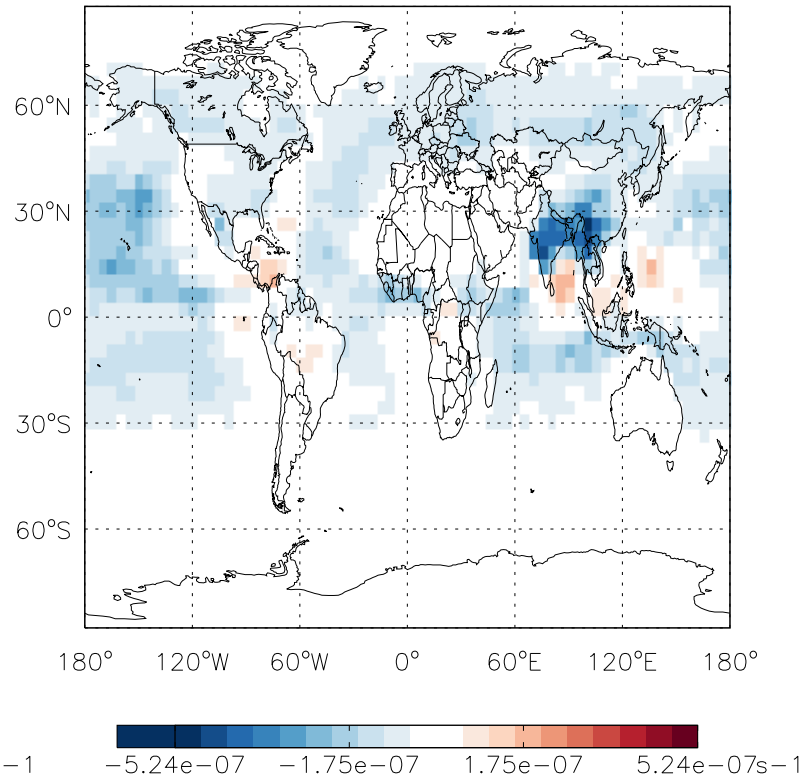
v11−01f−merra2−Run0 − v11−01f−geosfp−Run0

JACET − J−Value Diff @ surface for Jul



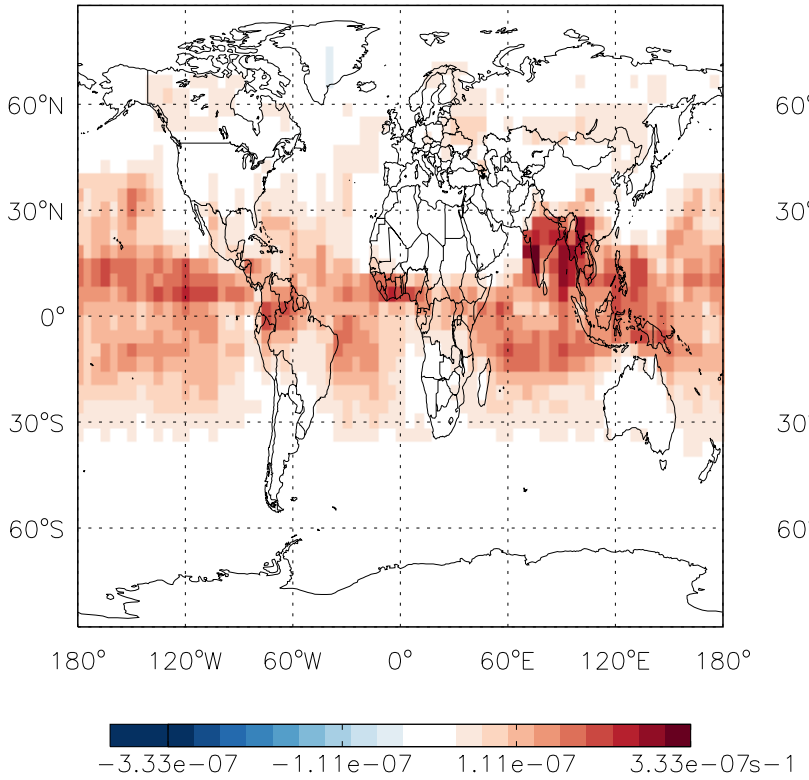
v11−01f−merra2−Run0 − v11−01f−geosfp−Run0

JACET − J−Value Diff @ 500 hPa for Jul



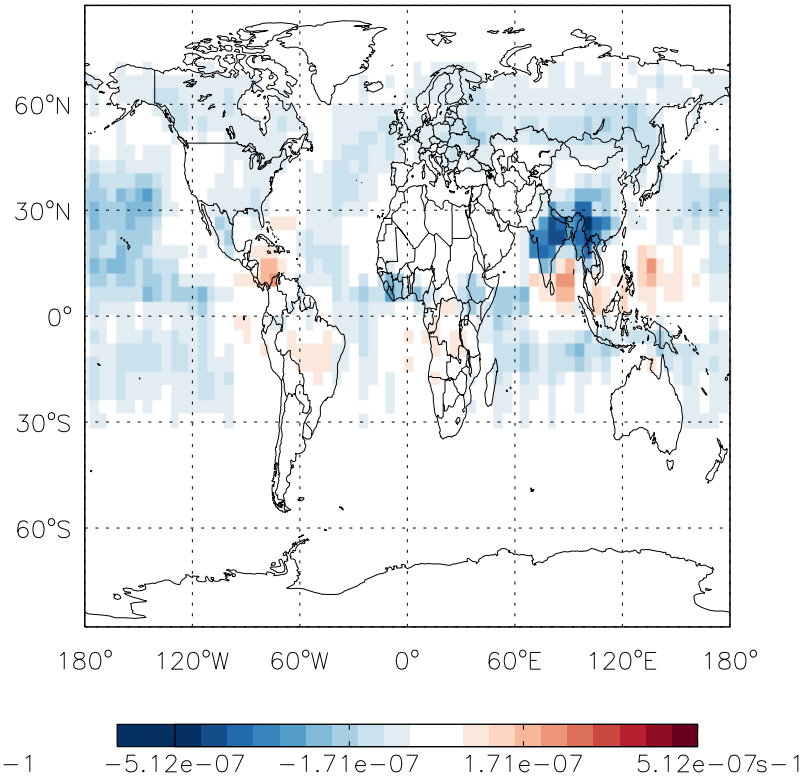
v11−01f−merra2−Run0 − v11−01d−Run1

JACET − J−Value Diff @ surface for Jul



v11−01f−merra2−Run0 − v11−01d−Run1

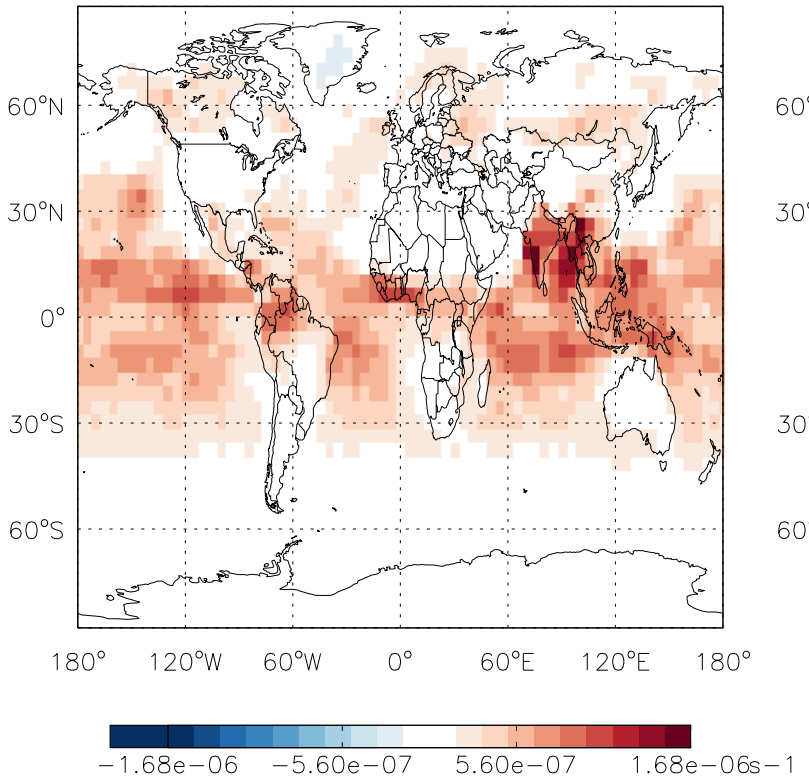
JACET − J−Value Diff @ 500 hPa for Jul



GEOS−Chem J−Values at surface and 500 hPa

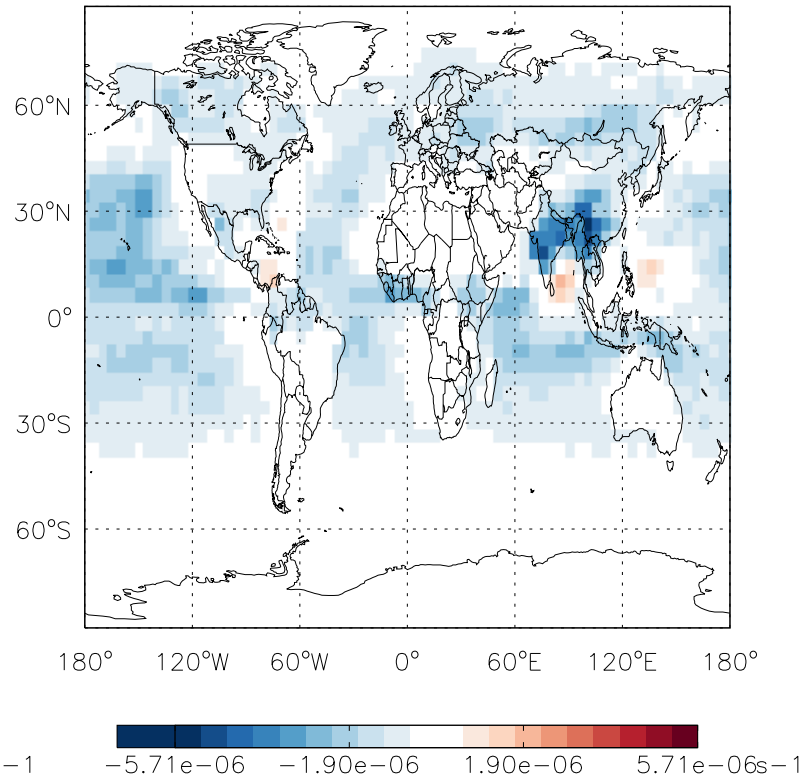
v11−01f−merra2−Run0 − v11−01f−geosfp−Run0

JALD2 − J−Value Diff @ surface for Jul



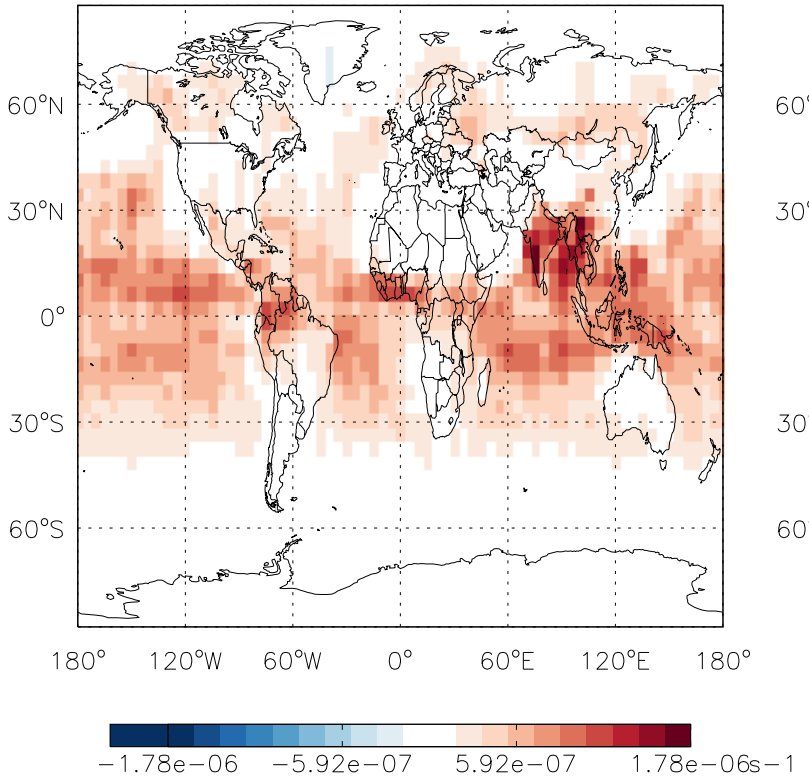
v11−01f−merra2−Run0 − v11−01f−geosfp−Run0

JALD2 − J−Value Diff @ 500 hPa for Jul



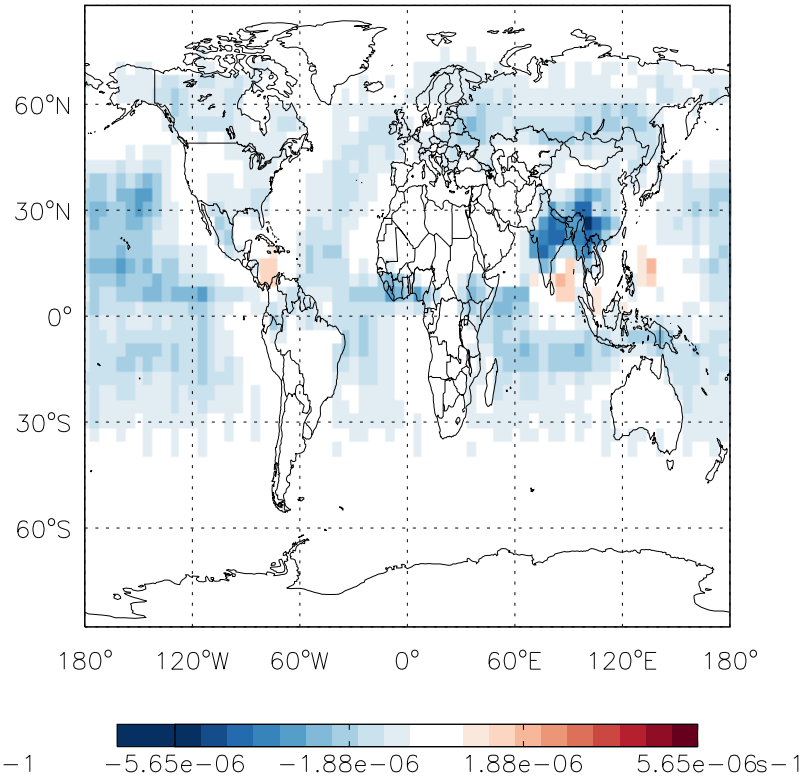
v11−01f−merra2−Run0 − v11−01d−Run1

JALD2 − J−Value Diff @ surface for Jul



v11−01f−merra2−Run0 − v11−01d−Run1

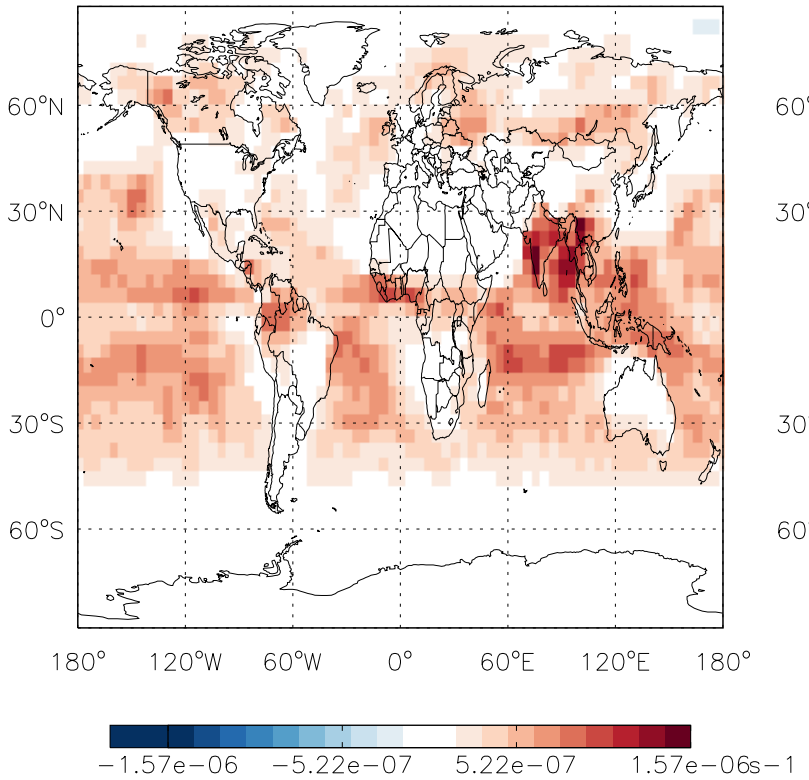
JALD2 − J−Value Diff @ 500 hPa for Jul



GEOS−Chem J−Values at surface and 500 hPa

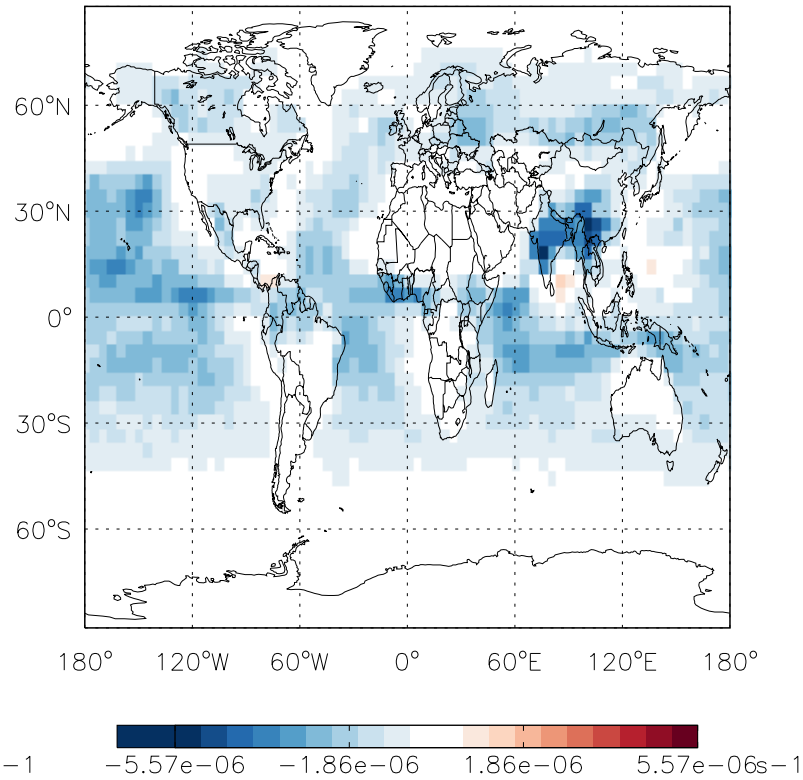
v11−01f−merra2−Run0 − v11−01f−geosfp−Run0

JMVK − J−Value Diff @ surface for Jul



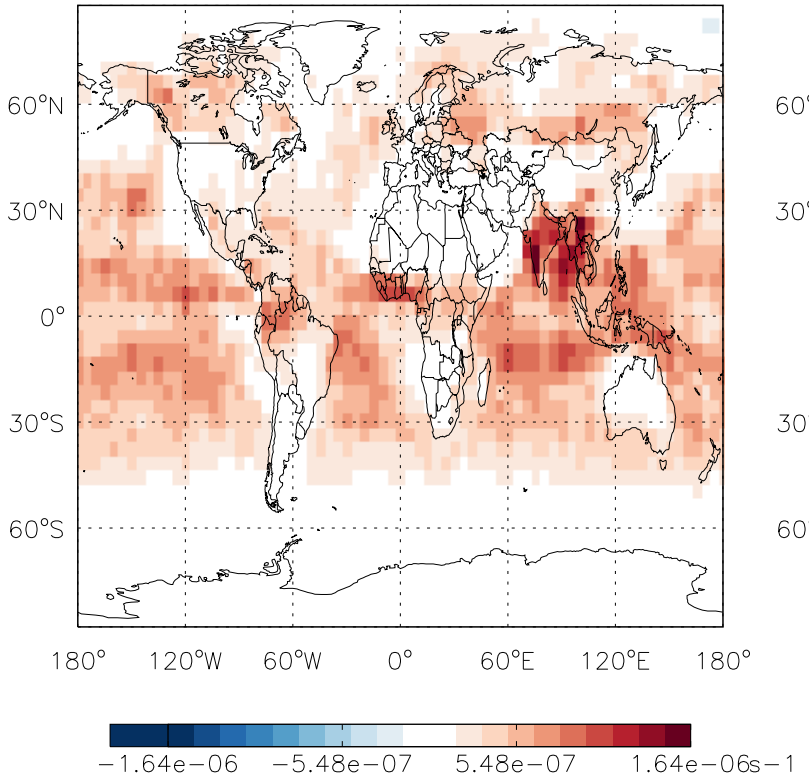
v11−01f−merra2−Run0 − v11−01f−geosfp−Run0

JMVK − J−Value Diff @ 500 hPa for Jul



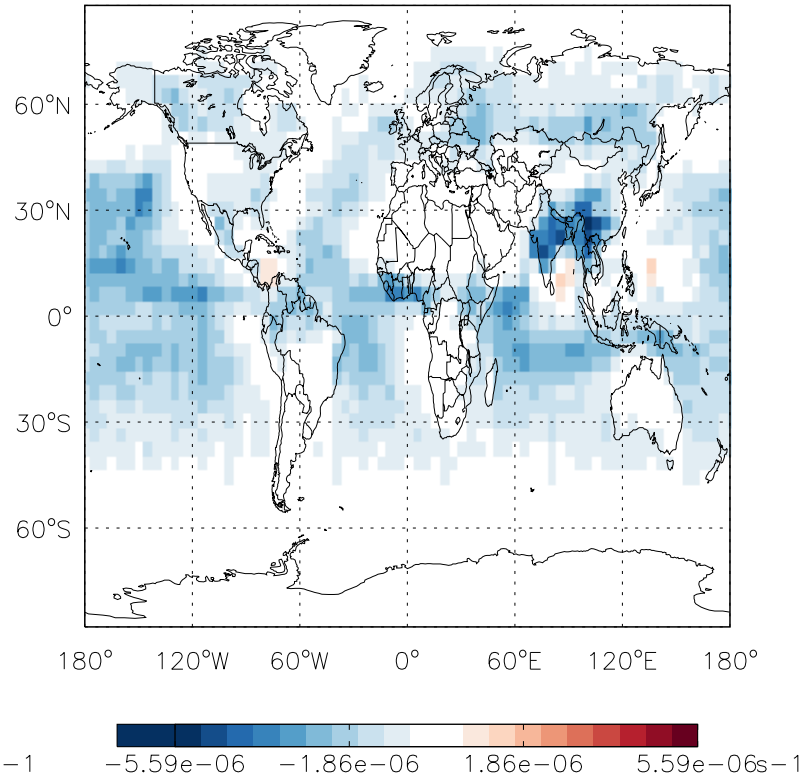
v11−01f−merra2−Run0 − v11−01d−Run1

JMVK − J−Value Diff @ surface for Jul



v11−01f−merra2−Run0 − v11−01d−Run1

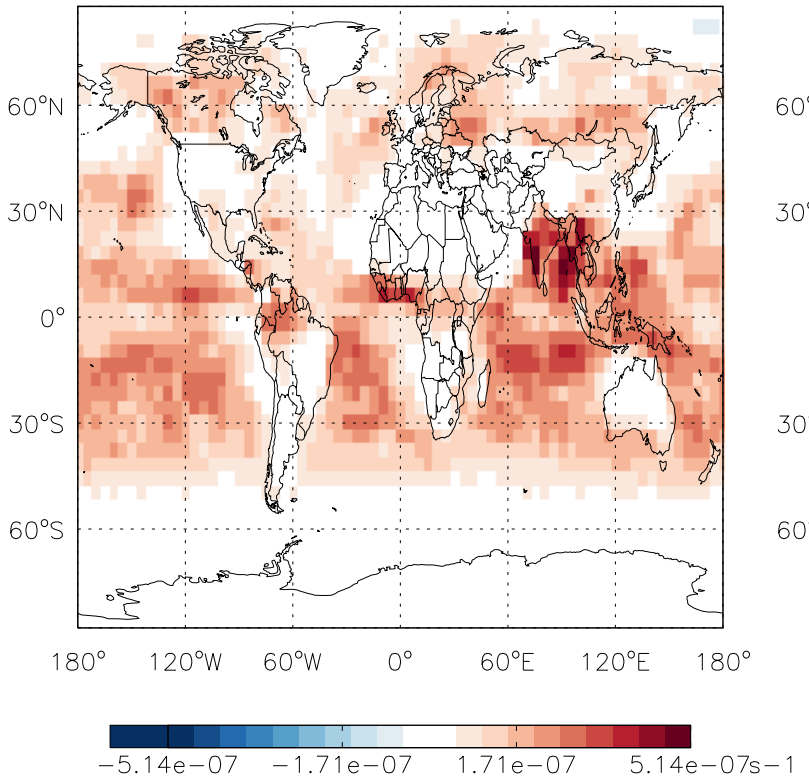
JMVK − J−Value Diff @ 500 hPa for Jul



GEOS−Chem J−Values at surface and 500 hPa

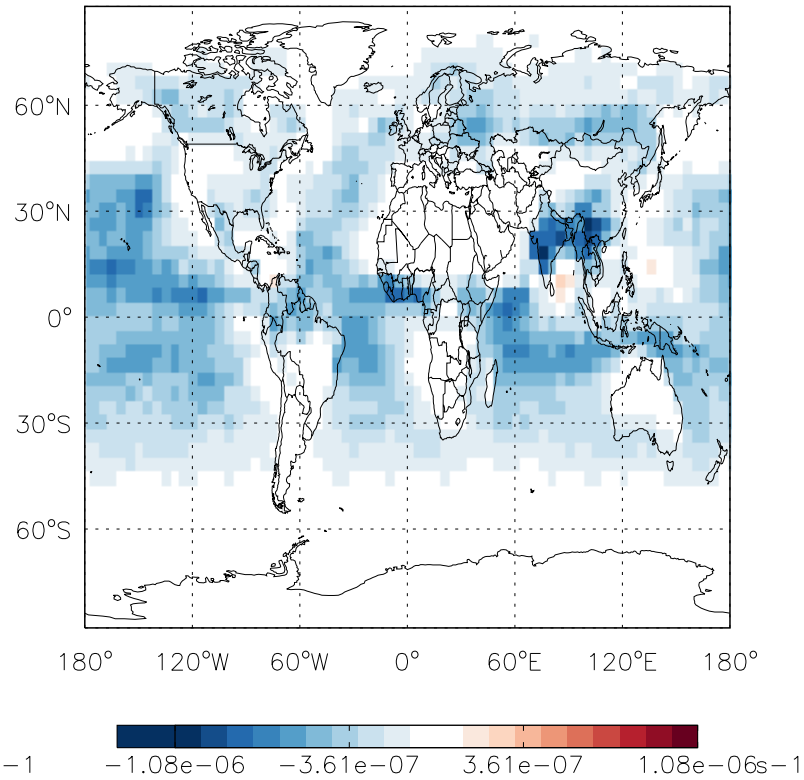
v11−01f−merra2−Run0 − v11−01f−geosfp−Run0

JMACR − J−Value Diff @ surface for Jul



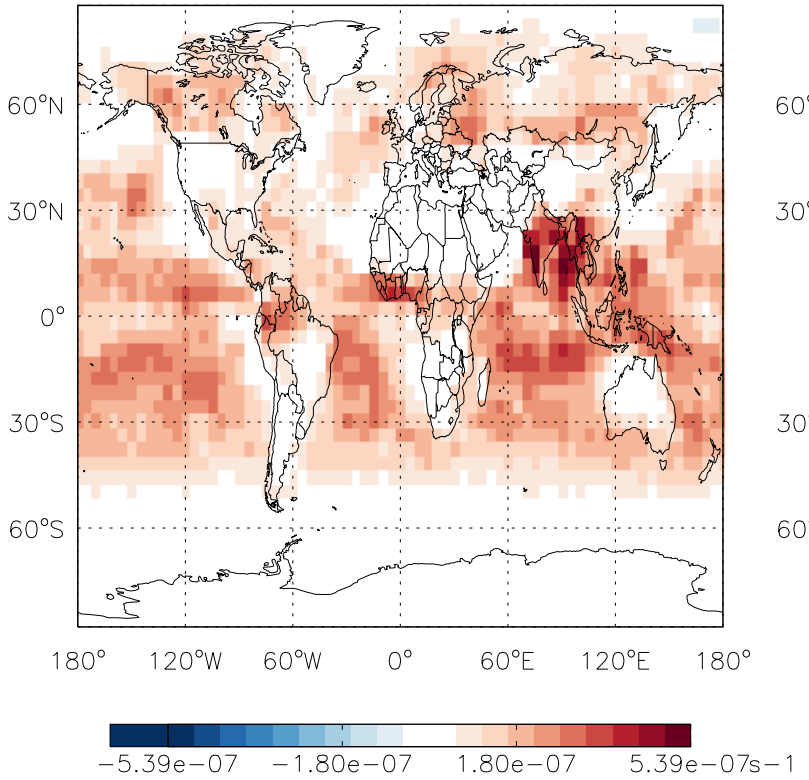
v11−01f−merra2−Run0 − v11−01f−geosfp−Run0

JMACR − J−Value Diff @ 500 hPa for Jul



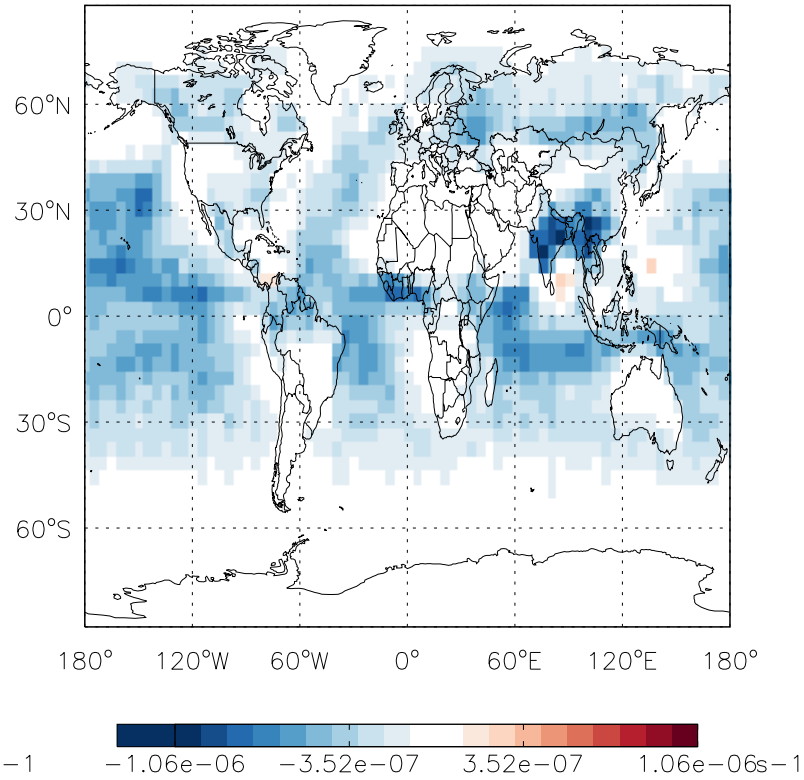
v11−01f−merra2−Run0 − v11−01d−Run1

JMACR − J−Value Diff @ surface for Jul



v11−01f−merra2−Run0 − v11−01d−Run1

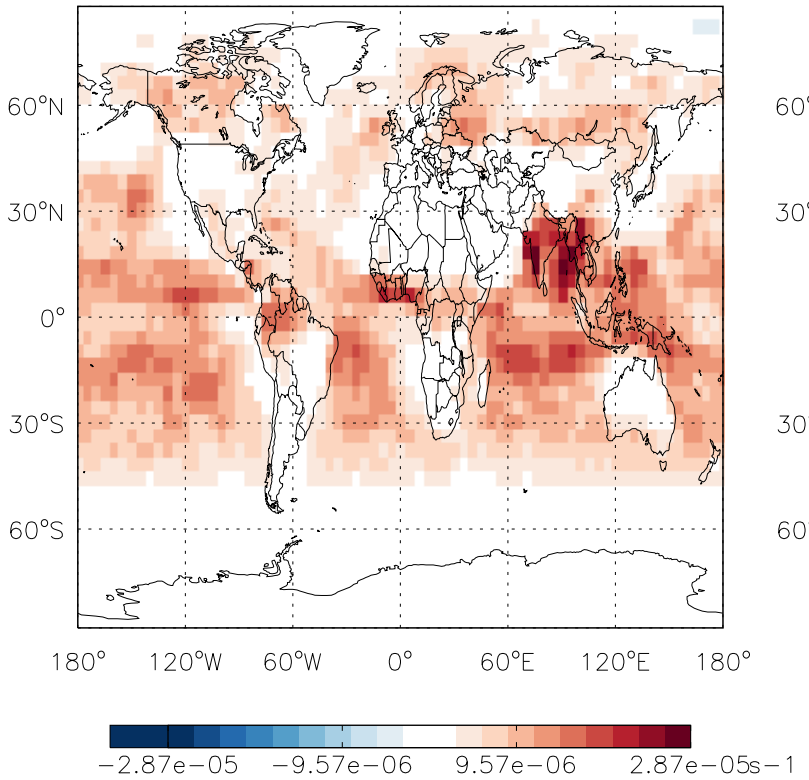
JMACR − J−Value Diff @ 500 hPa for Jul



GEOS−Chem J−Values at surface and 500 hPa

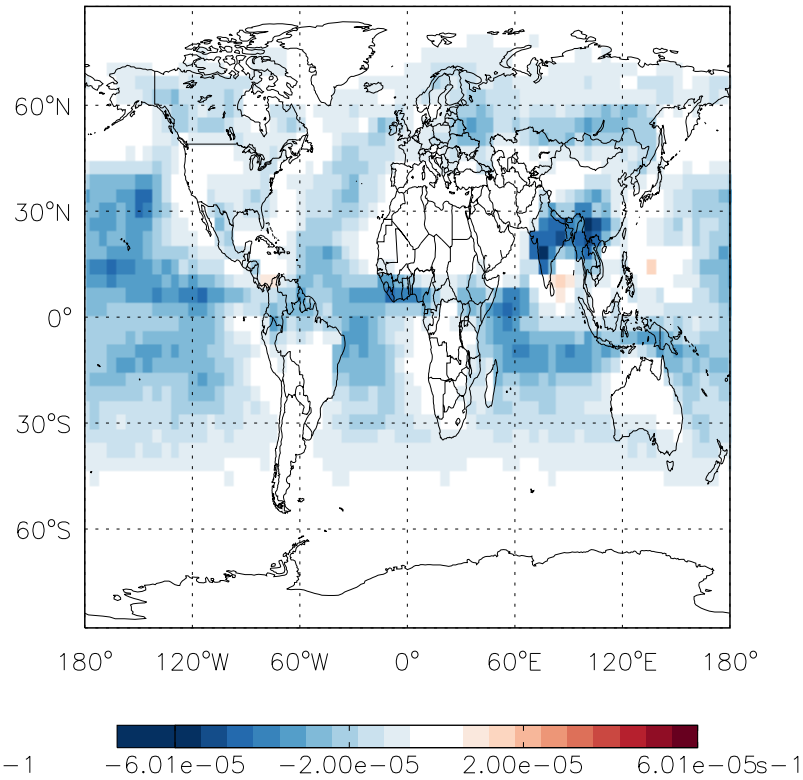
v11−01f−merra2−Run0 − v11−01f−geosfp−Run0

JCH2O − J−Value Diff @ surface for Jul



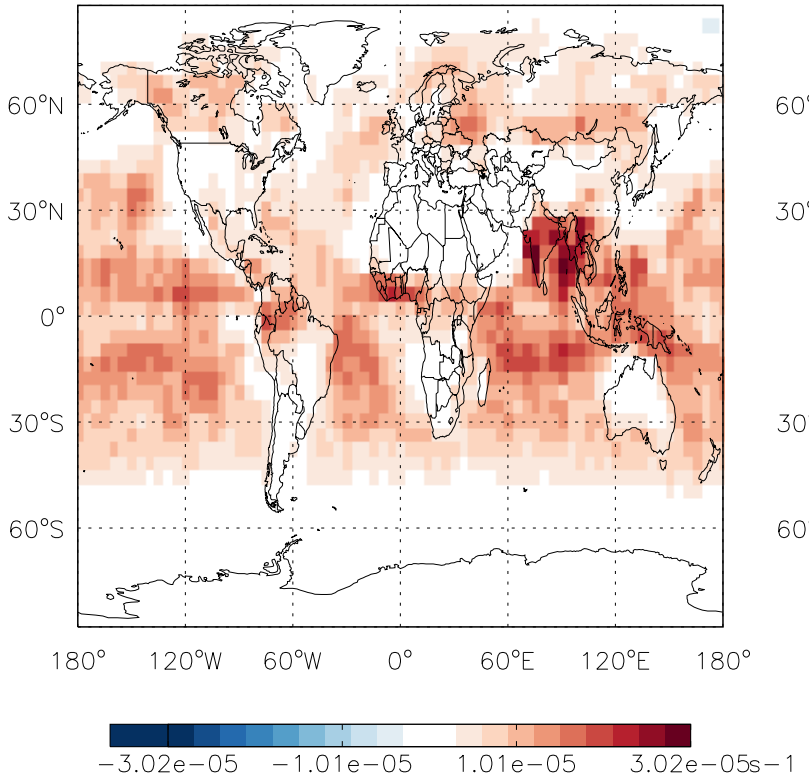
v11−01f−merra2−Run0 − v11−01f−geosfp−Run0

JCH2O − J−Value Diff @ 500 hPa for Jul



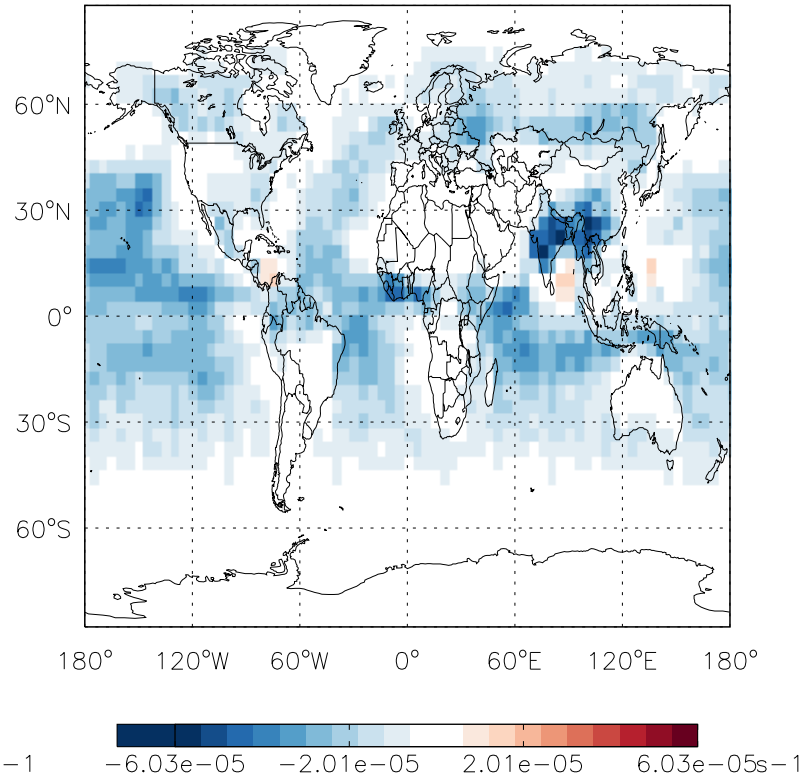
v11−01f−merra2−Run0 − v11−01d−Run1

JCH2O − J−Value Diff @ surface for Jul



v11−01f−merra2−Run0 − v11−01d−Run1

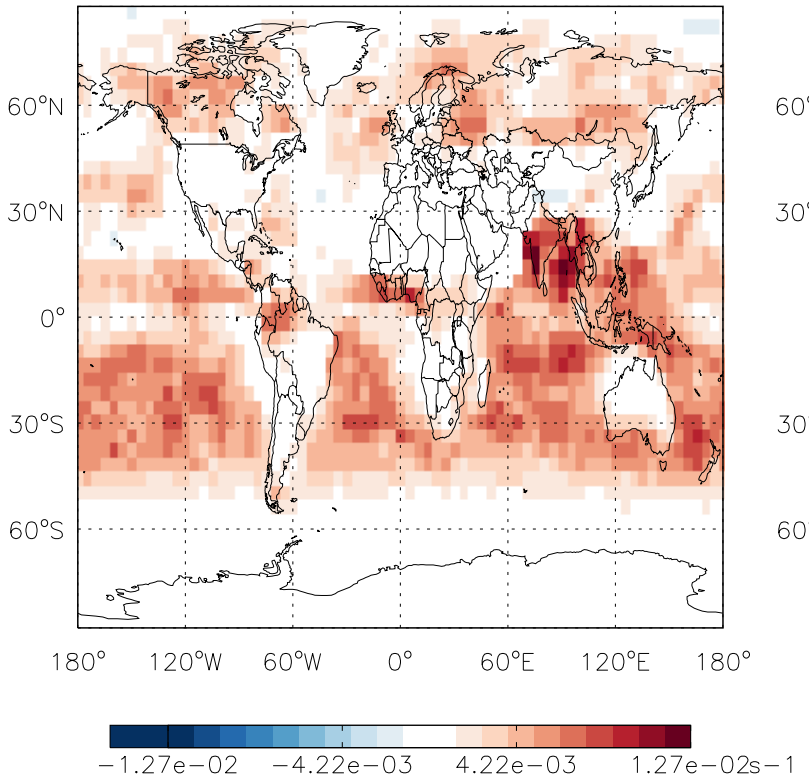
JCH2O − J−Value Diff @ 500 hPa for Jul



GEOS−Chem J−Values at surface and 500 hPa

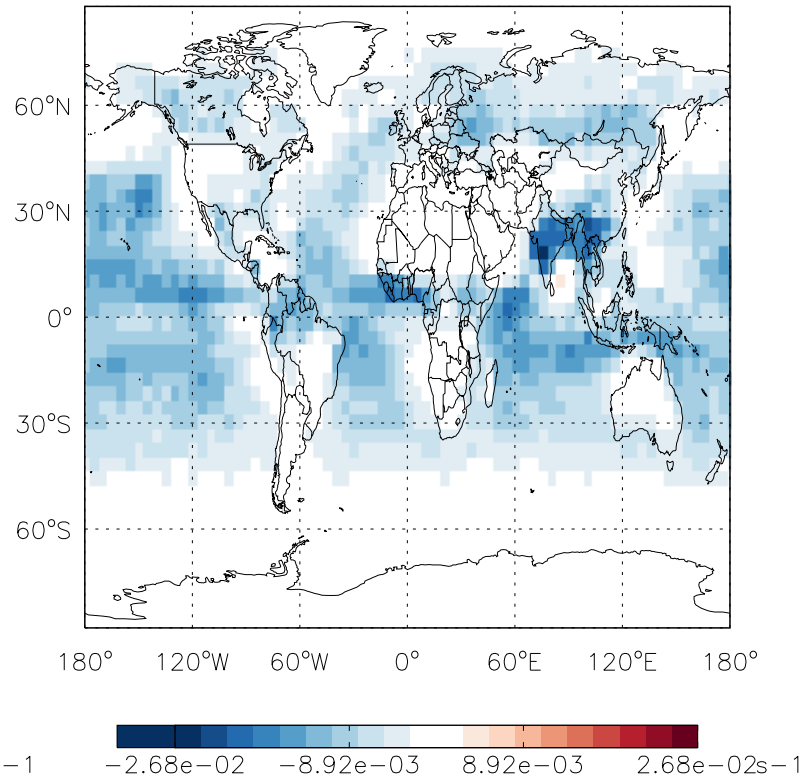
v11−01f−merra2−Run0 − v11−01f−geosfp−Run0

JBr2 − J−Value Diff @ surface for Jul



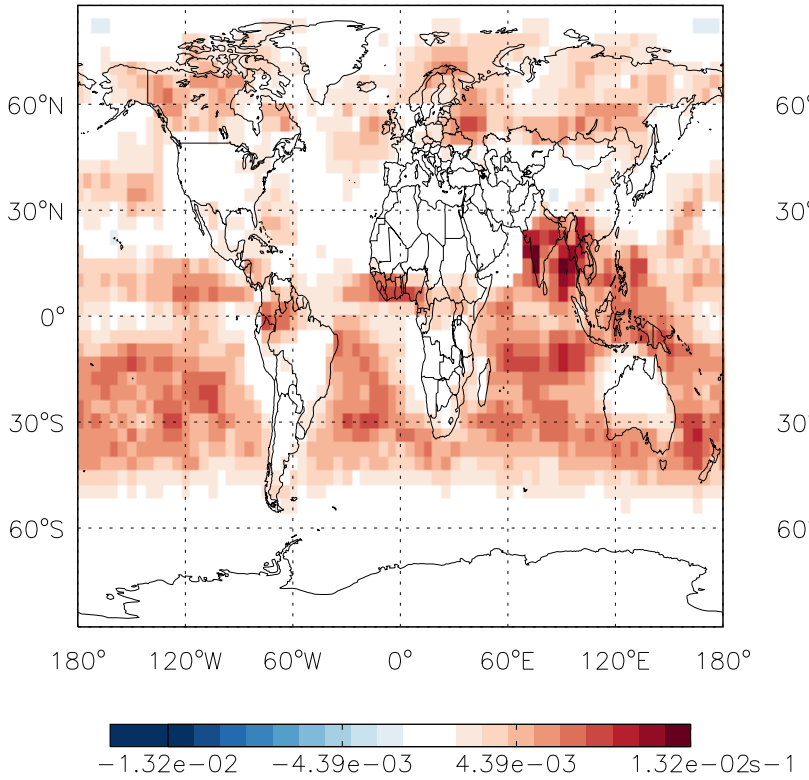
v11−01f−merra2−Run0 − v11−01f−geosfp−Run0

JBr2 − J−Value Diff @ 500 hPa for Jul



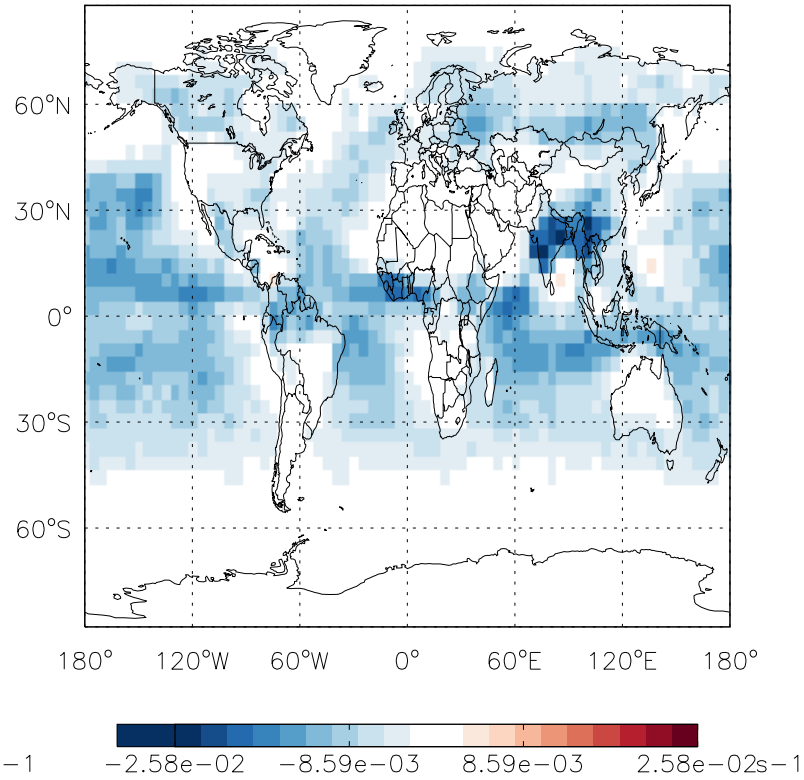
v11−01f−merra2−Run0 − v11−01d−Run1

JBr2 − J−Value Diff @ surface for Jul



v11−01f−merra2−Run0 − v11−01d−Run1

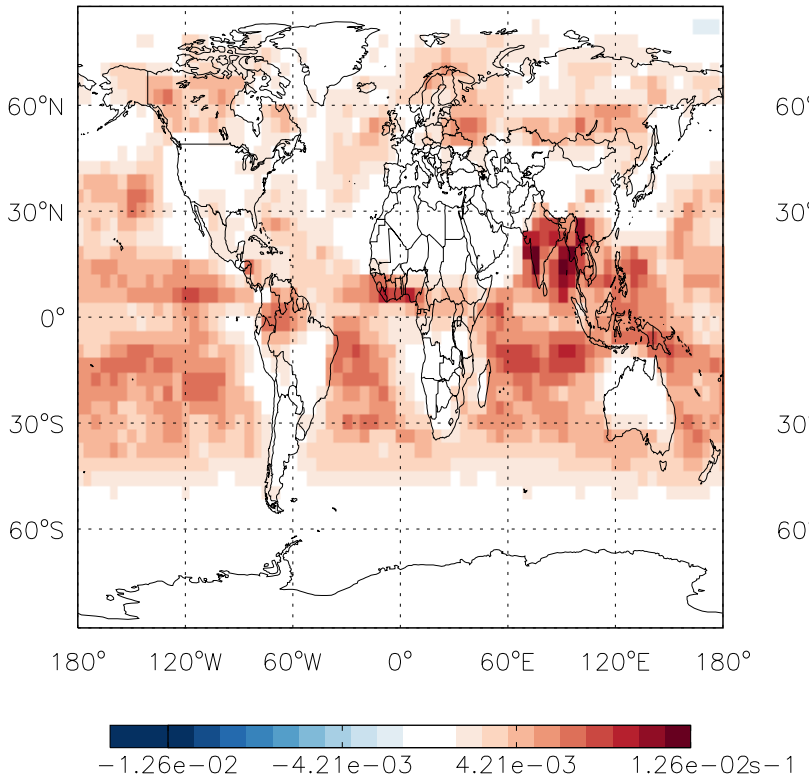
JBr2 − J−Value Diff @ 500 hPa for Jul



GEOS−Chem J−Values at surface and 500 hPa

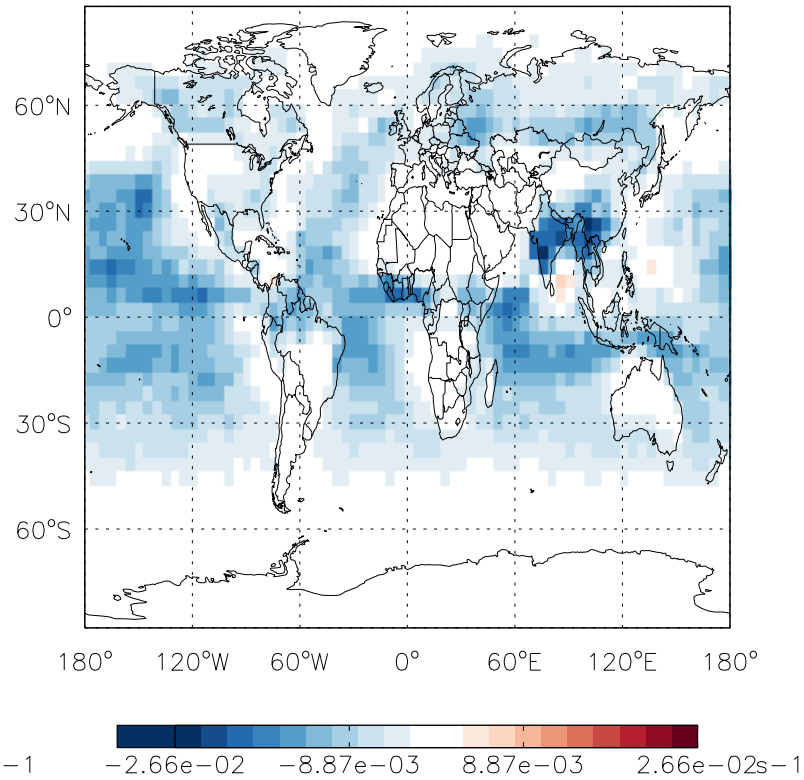
v11−01f−merra2−Run0 − v11−01f−geosfp−Run0

JBrO − J−Value Diff @ surface for Jul



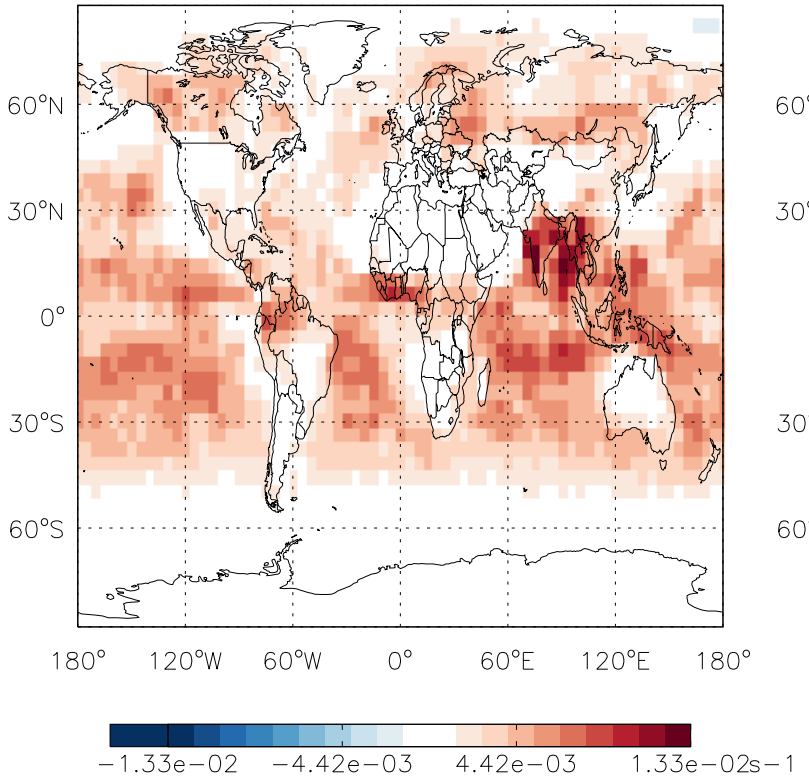
v11−01f−merra2−Run0 − v11−01f−geosfp−Run0

JBrO − J−Value Diff @ 500 hPa for Jul



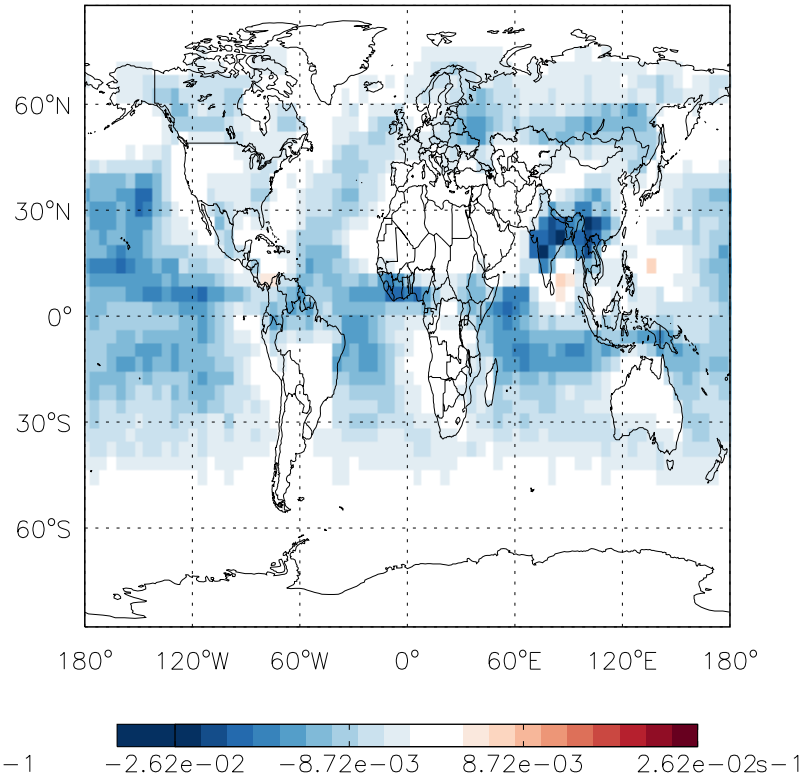
v11−01f−merra2−Run0 − v11−01d−Run1

JBrO − J−Value Diff @ surface for Jul



v11−01f−merra2−Run0 − v11−01d−Run1

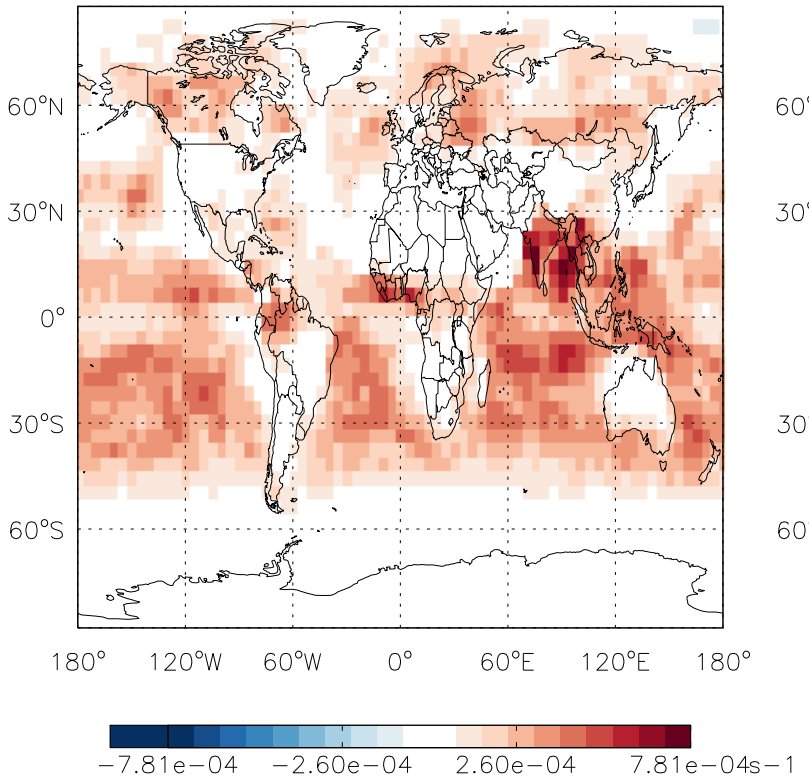
JBrO − J−Value Diff @ 500 hPa for Jul



GEOS−Chem J−Values at surface and 500 hPa

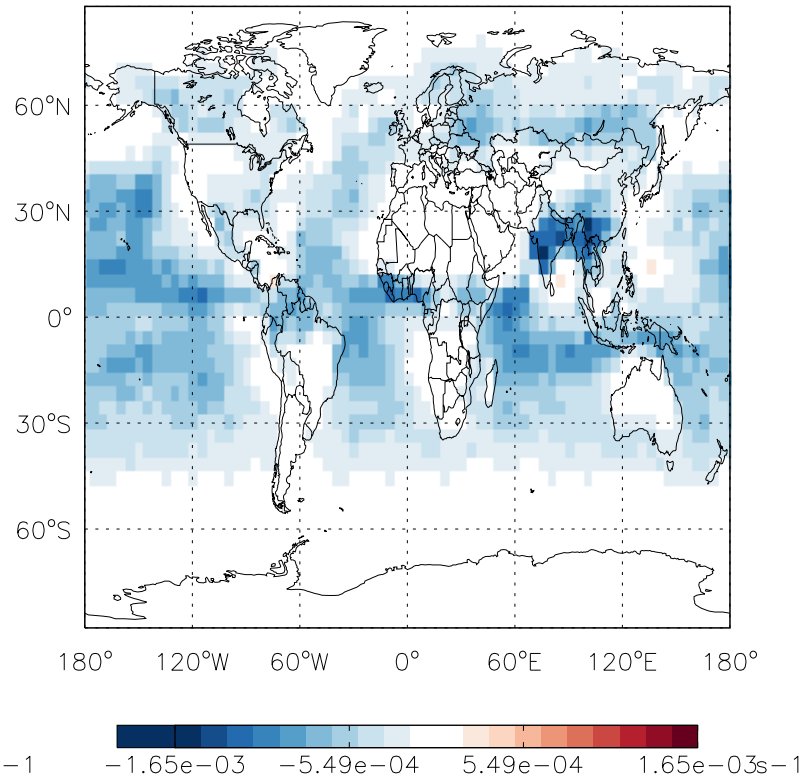
v11−01f−merra2−Run0 − v11−01f−geosfp−Run0

JHOBr − J−Value Diff @ surface for Jul



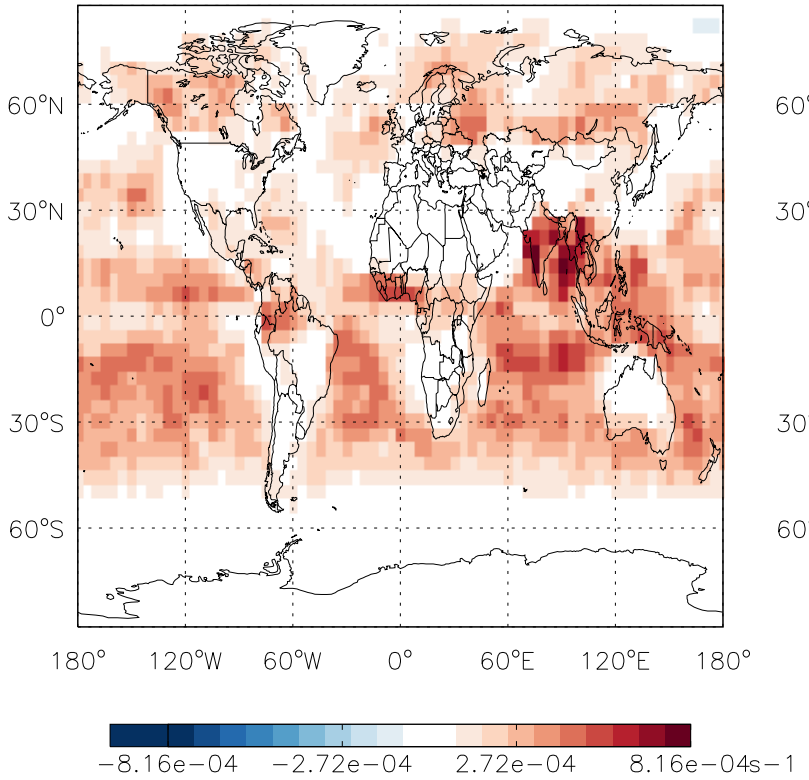
v11−01f−merra2−Run0 − v11−01f−geosfp−Run0

JHOBr − J−Value Diff @ 500 hPa for Jul



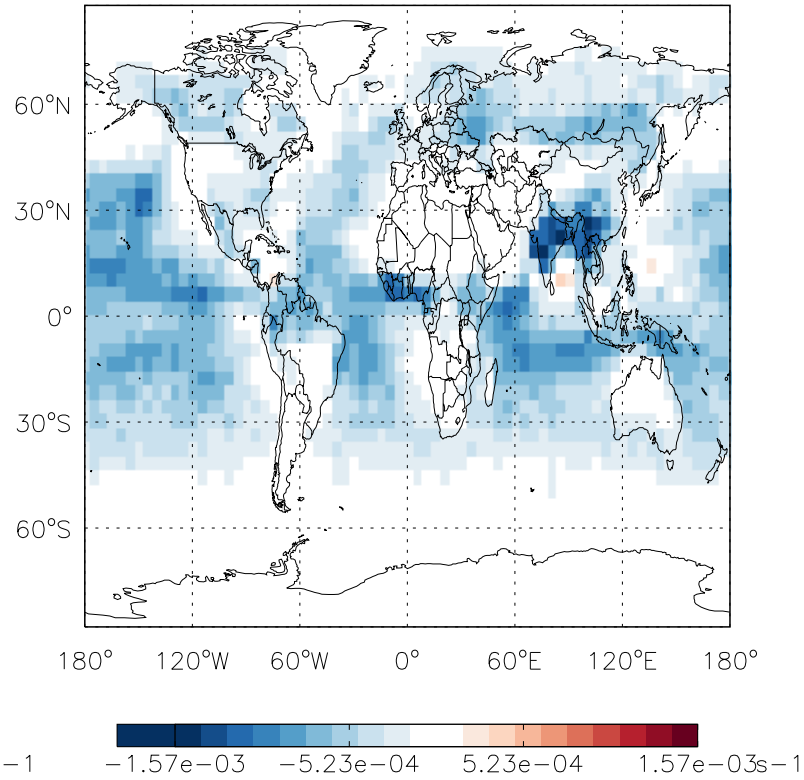
v11−01f−merra2−Run0 − v11−01d−Run1

JHOBr − J−Value Diff @ surface for Jul



v11−01f−merra2−Run0 − v11−01d−Run1

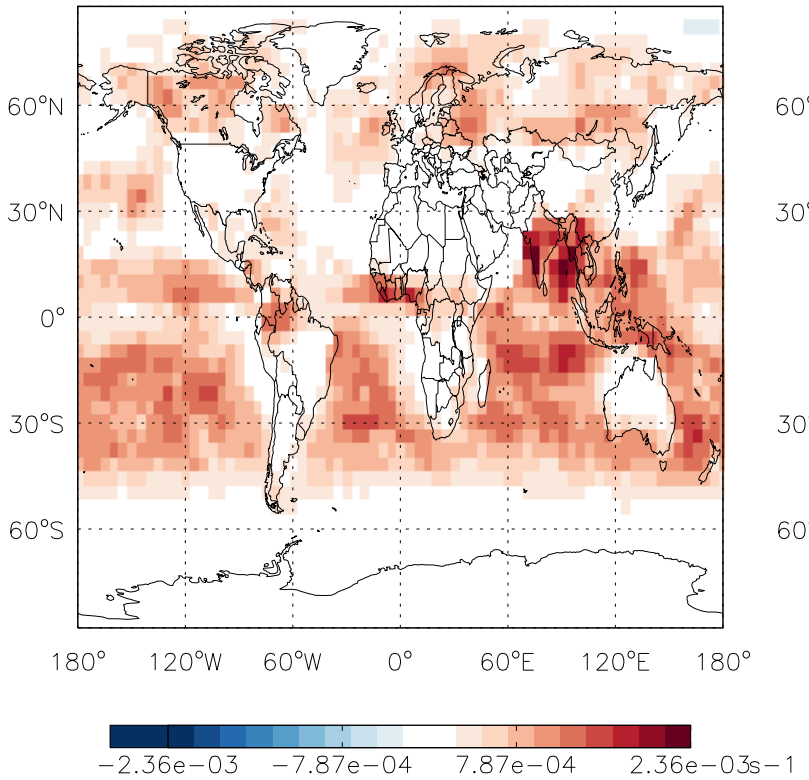
JHOBr − J−Value Diff @ 500 hPa for Jul



GEOS−Chem J−Values at surface and 500 hPa

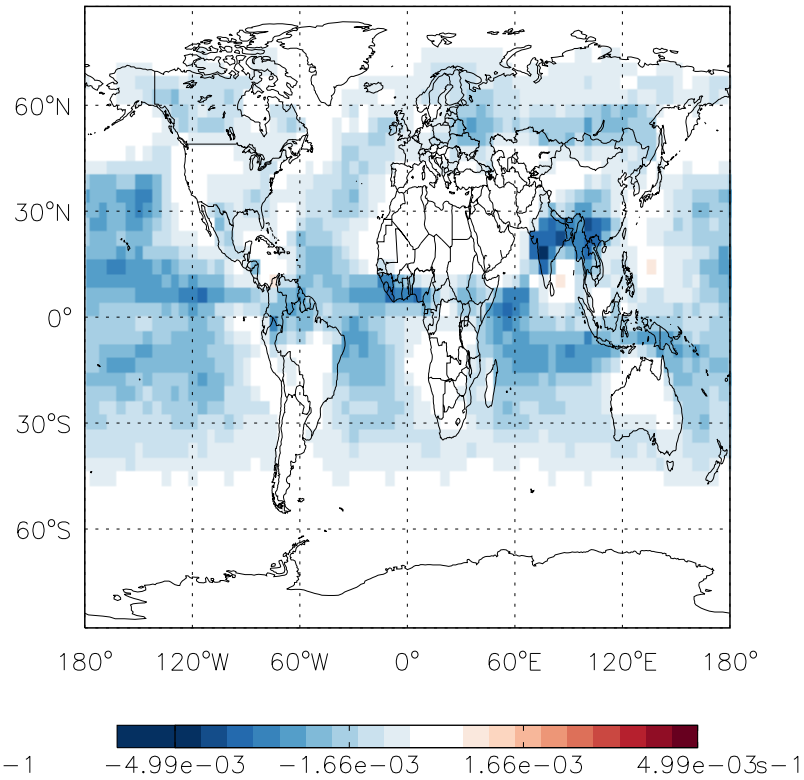
v11−01f−merra2−Run0 − v11−01f−geosfp−Run0

JBrNO2 − J−Value Diff @ surface for Jul



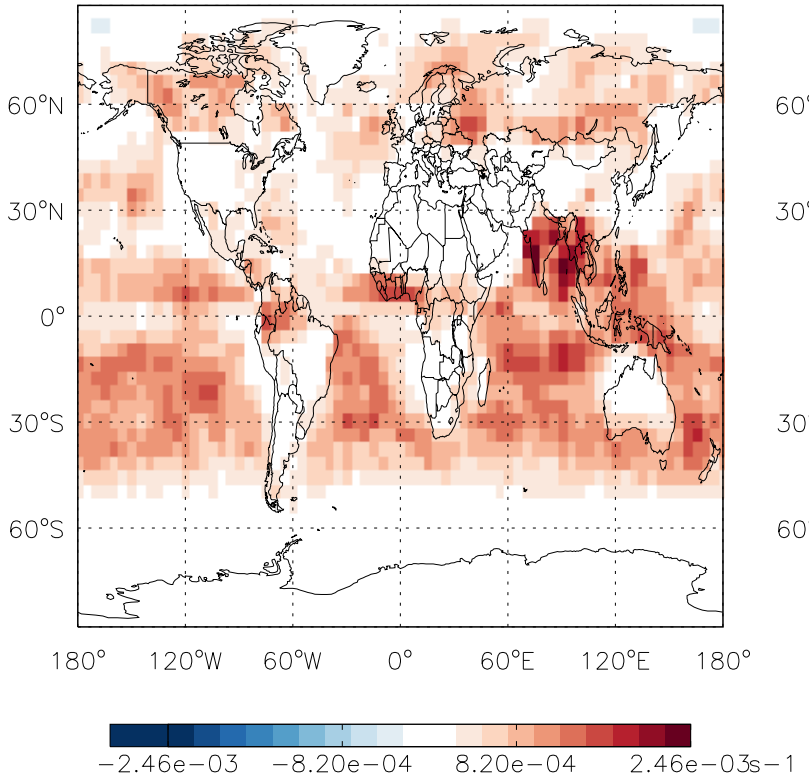
v11−01f−merra2−Run0 − v11−01f−geosfp−Run0

JBrNO2 − J−Value Diff @ 500 hPa for Jul



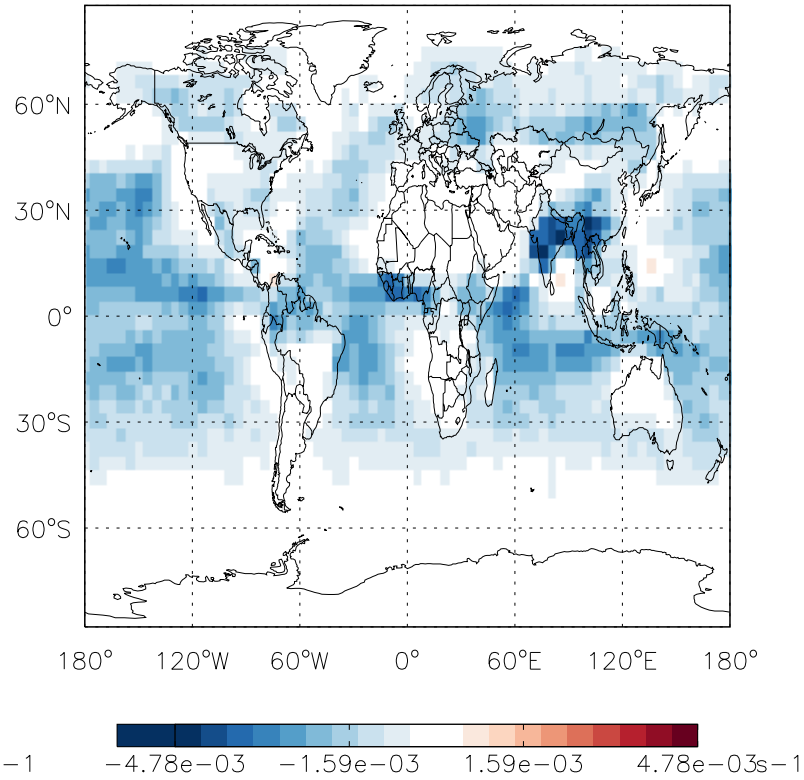
v11−01f−merra2−Run0 − v11−01d−Run1

JBrNO2 − J−Value Diff @ surface for Jul



v11−01f−merra2−Run0 − v11−01d−Run1

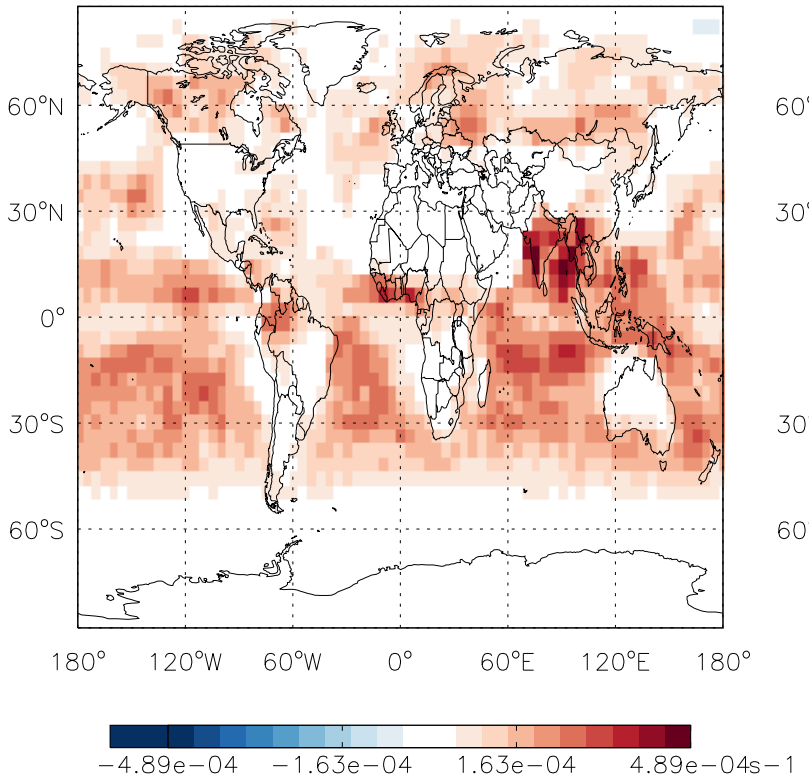
JBrNO2 − J−Value Diff @ 500 hPa for Jul



GEOS−Chem J−Values at surface and 500 hPa

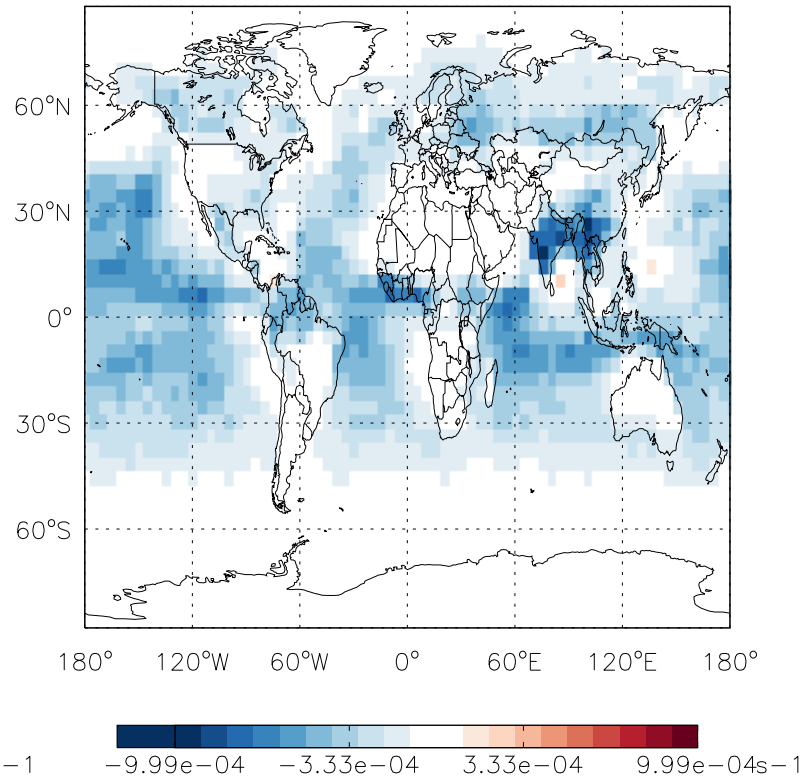
v11−01f−merra2−Run0 − v11−01f−geosfp−Run0

JBrNO3 − J−Value Diff @ surface for Jul



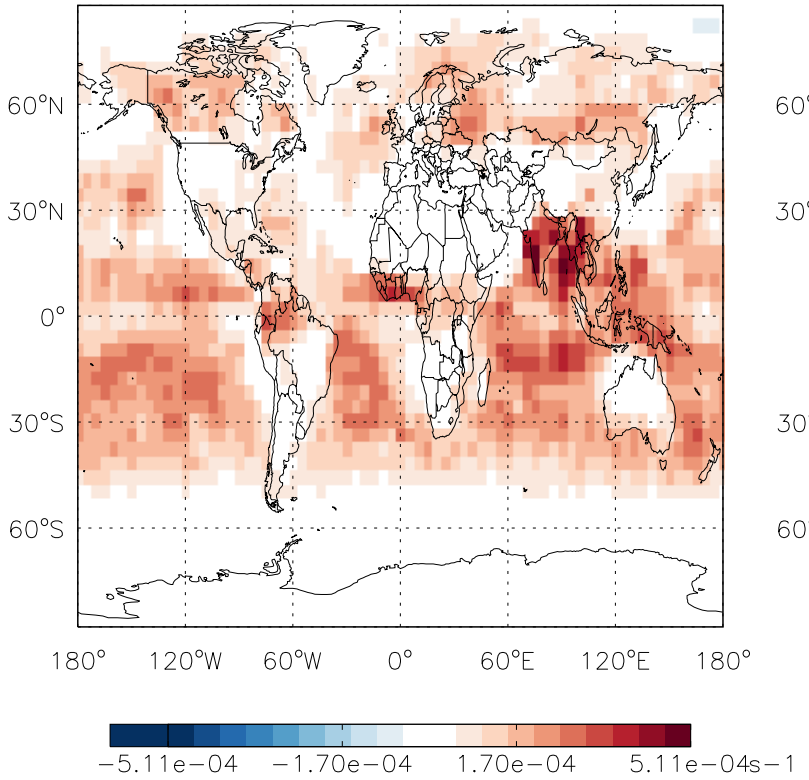
v11−01f−merra2−Run0 − v11−01f−geosfp−Run0

JBrNO3 − J−Value Diff @ 500 hPa for Jul



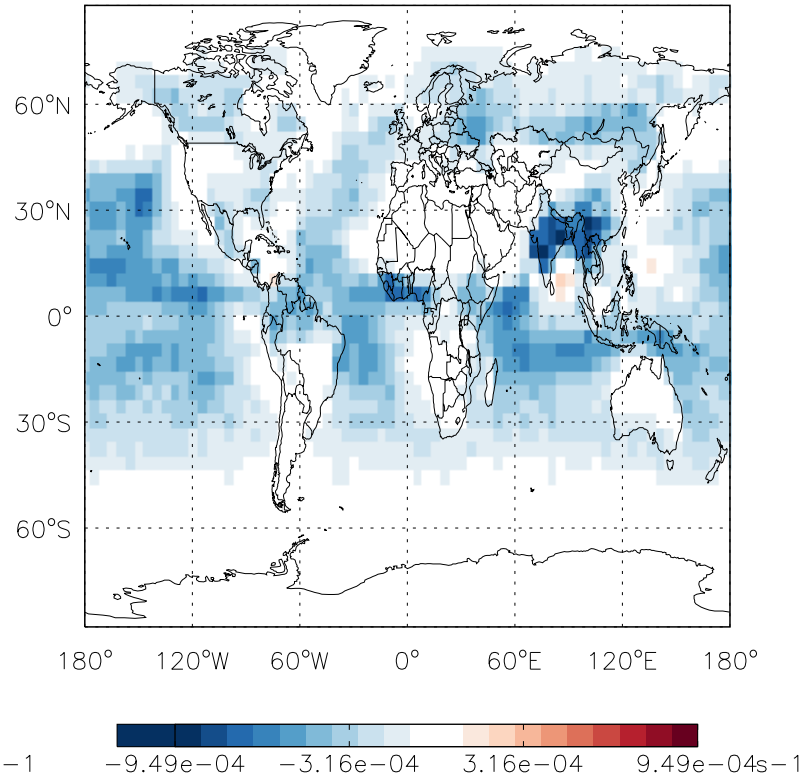
v11−01f−merra2−Run0 − v11−01d−Run1

JBrNO3 − J−Value Diff @ surface for Jul



v11−01f−merra2−Run0 − v11−01d−Run1

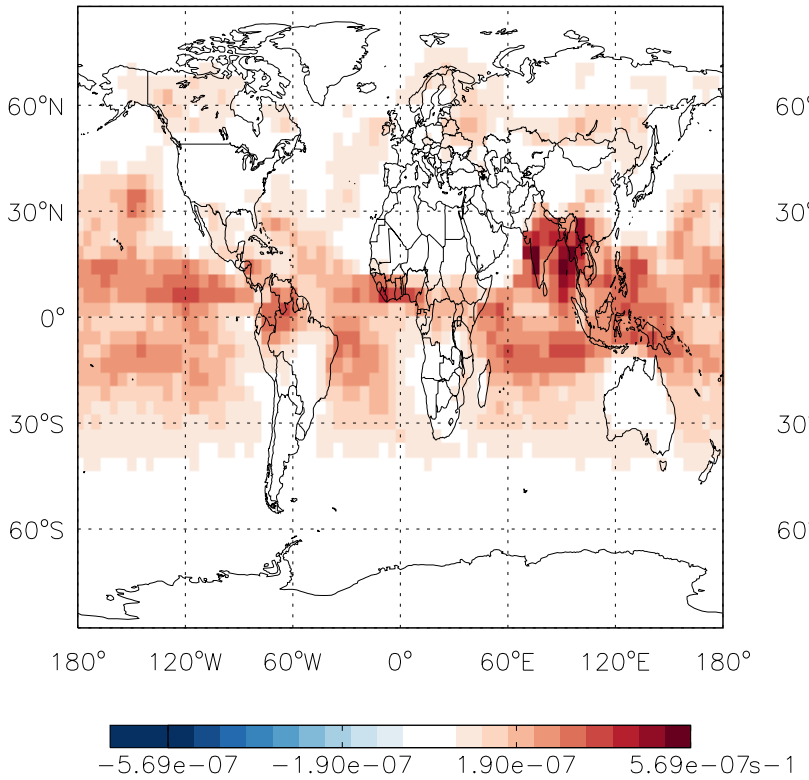
JBrNO3 − J−Value Diff @ 500 hPa for Jul



GEOS−Chem J−Values at surface and 500 hPa

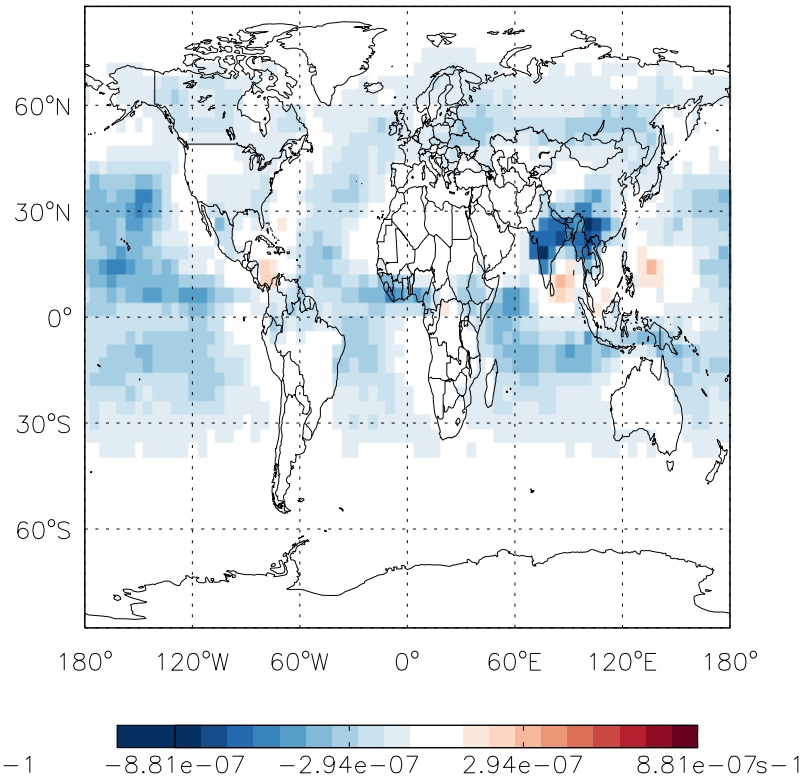
v11−01f−merra2−Run0 − v11−01f−geosfp−Run0

JCHBr3 − J−Value Diff @ surface for Jul



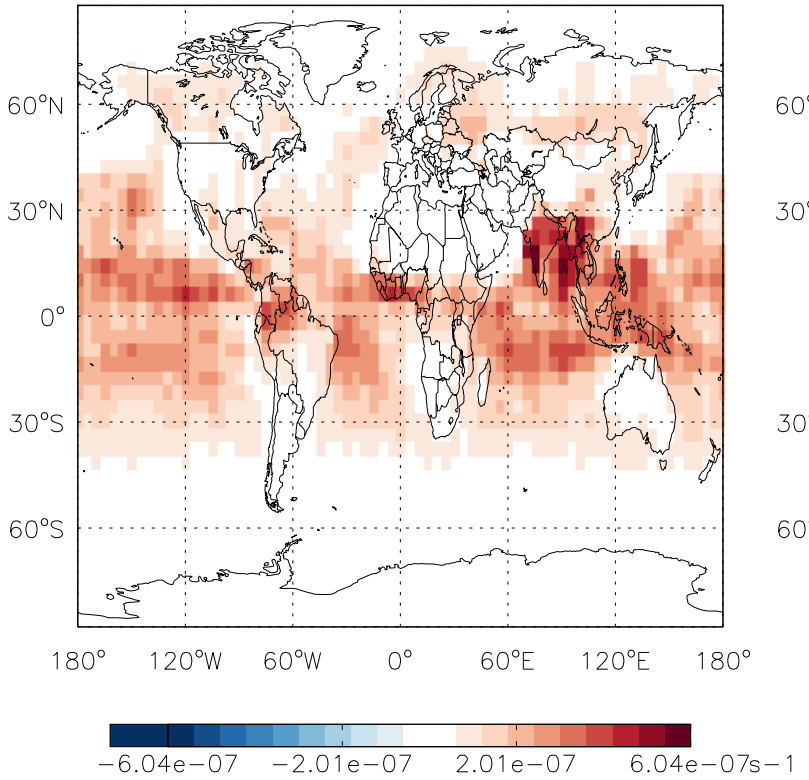
v11−01f−merra2−Run0 − v11−01f−geosfp−Run0

JCHBr3 − J−Value Diff @ 500 hPa for Jul



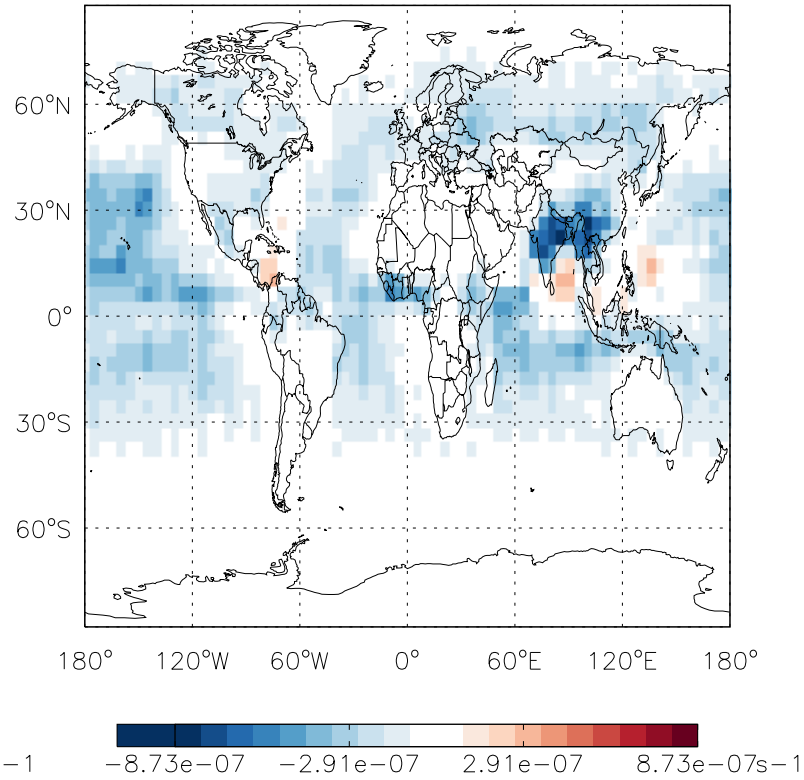
v11−01f−merra2−Run0 − v11−01d−Run1

JCHBr3 − J−Value Diff @ surface for Jul



v11−01f−merra2−Run0 − v11−01d−Run1

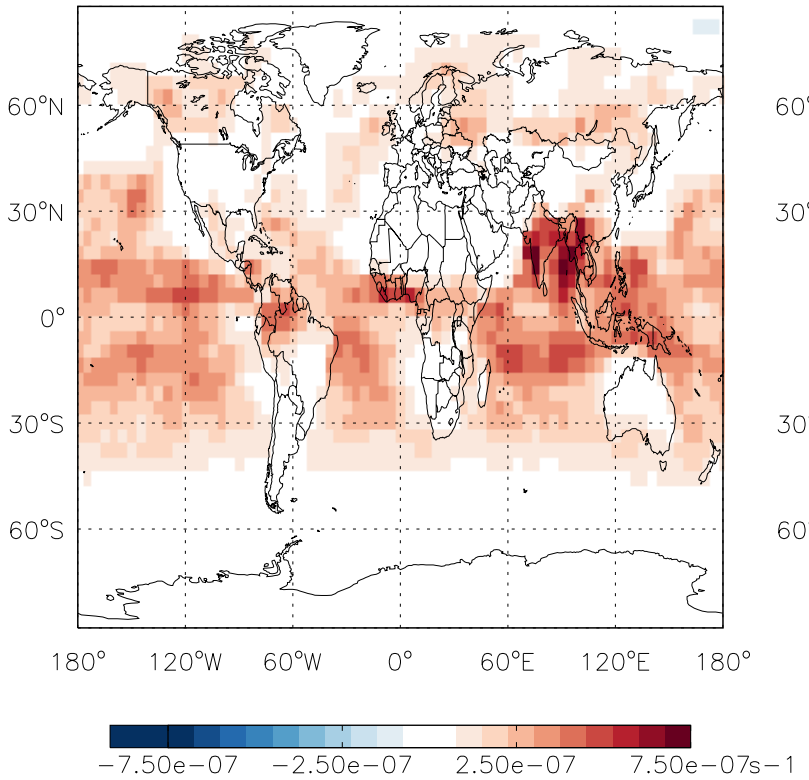
JCHBr3 − J−Value Diff @ 500 hPa for Jul



GEOS−Chem J−Values at surface and 500 hPa

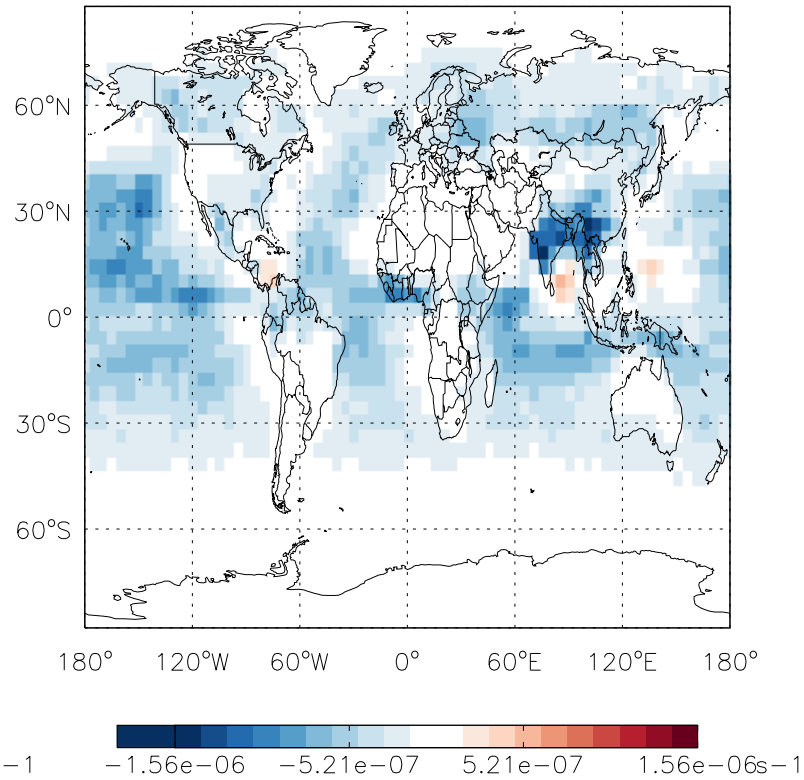
v11−01f−merra2−Run0 − v11−01f−geosfp−Run0

JHAC − J−Value Diff @ surface for Jul



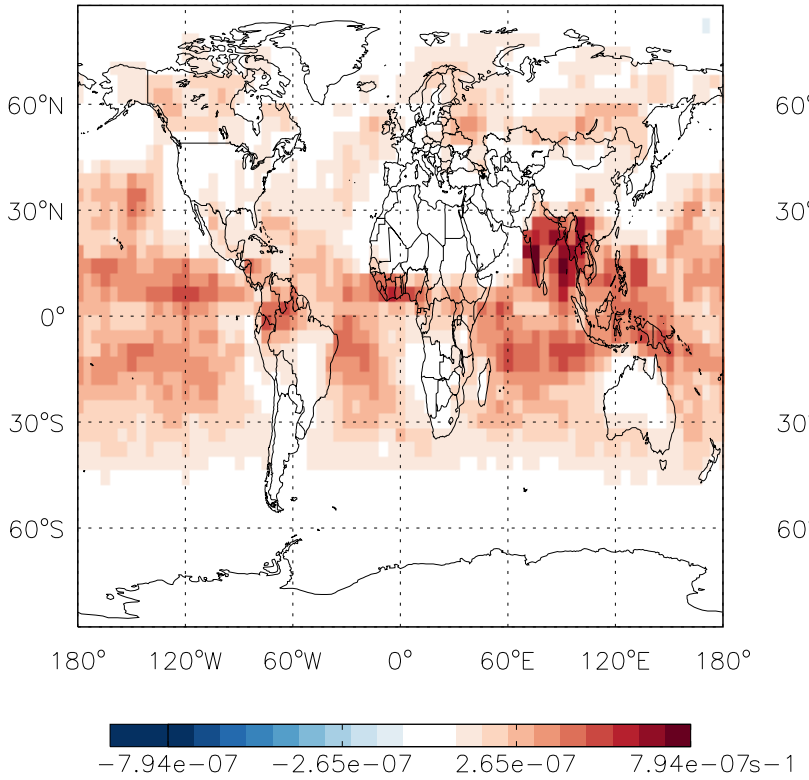
v11−01f−merra2−Run0 − v11−01f−geosfp−Run0

JHAC − J−Value Diff @ 500 hPa for Jul



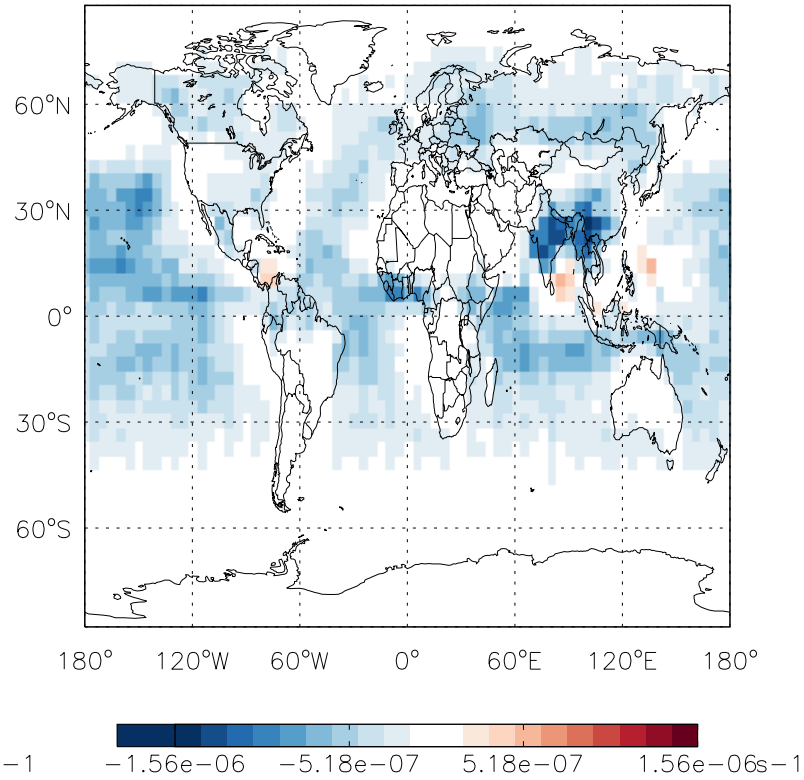
v11−01f−merra2−Run0 − v11−01d−Run1

JHAC − J−Value Diff @ surface for Jul



v11−01f−merra2−Run0 − v11−01d−Run1

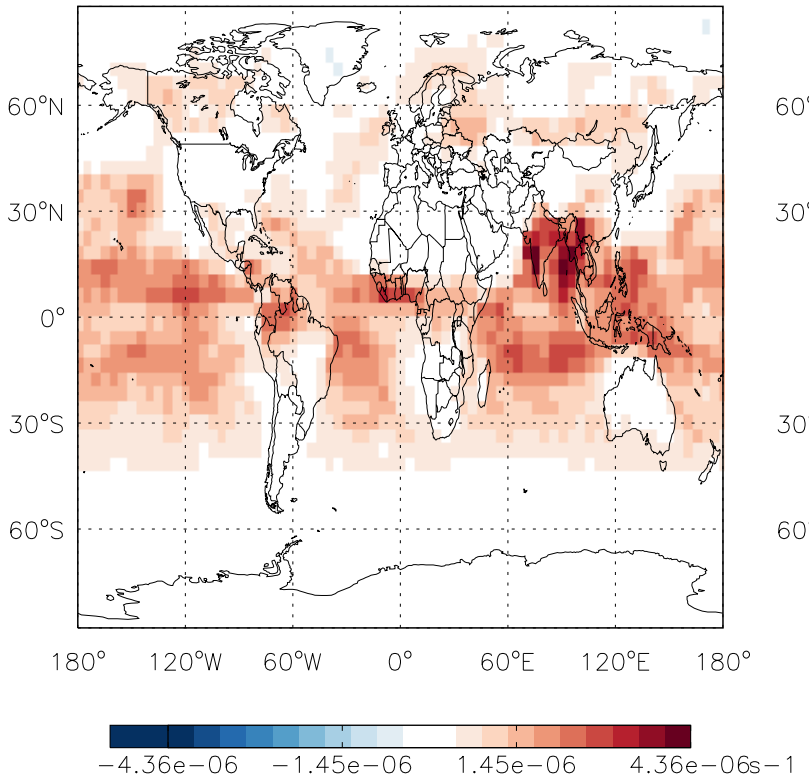
JHAC − J−Value Diff @ 500 hPa for Jul



GEOS−Chem J−Values at surface and 500 hPa

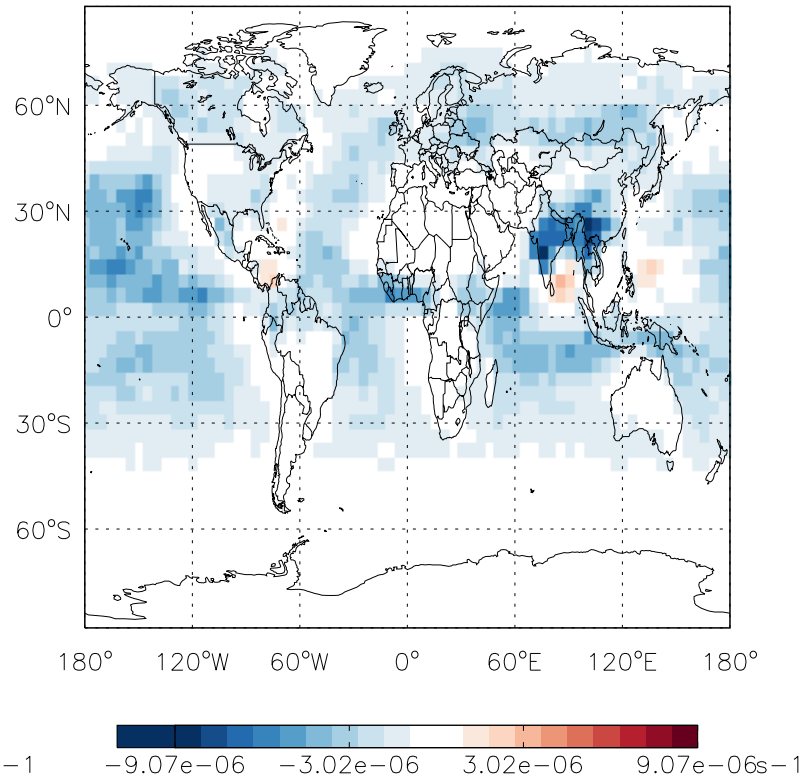
v11−01f−merra2−Run0 − v11−01f−geosfp−Run0

JGLYC − J−Value Diff @ surface for Jul



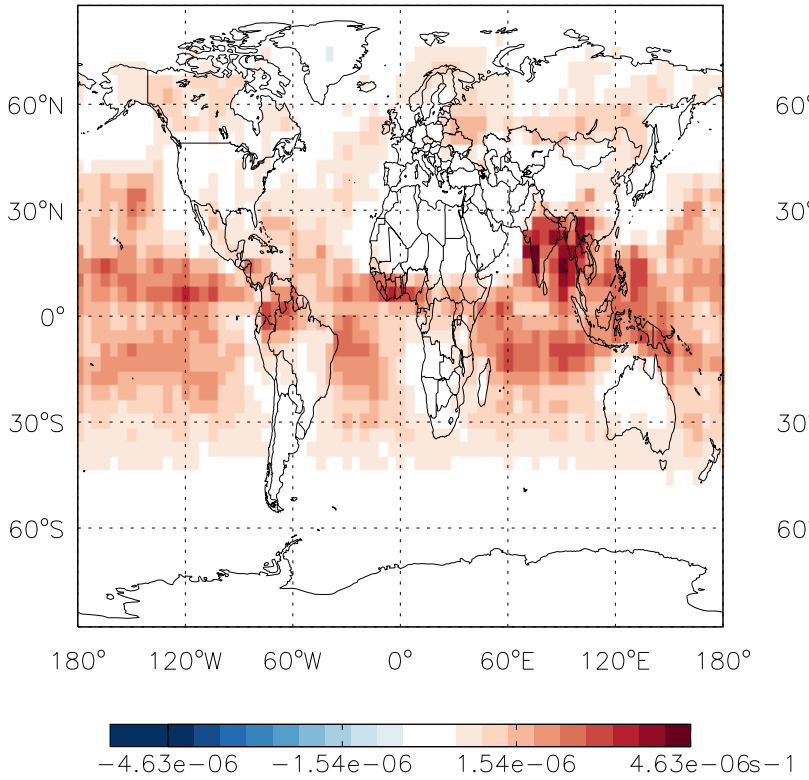
v11−01f−merra2−Run0 − v11−01f−geosfp−Run0

JGLYC − J−Value Diff @ 500 hPa for Jul



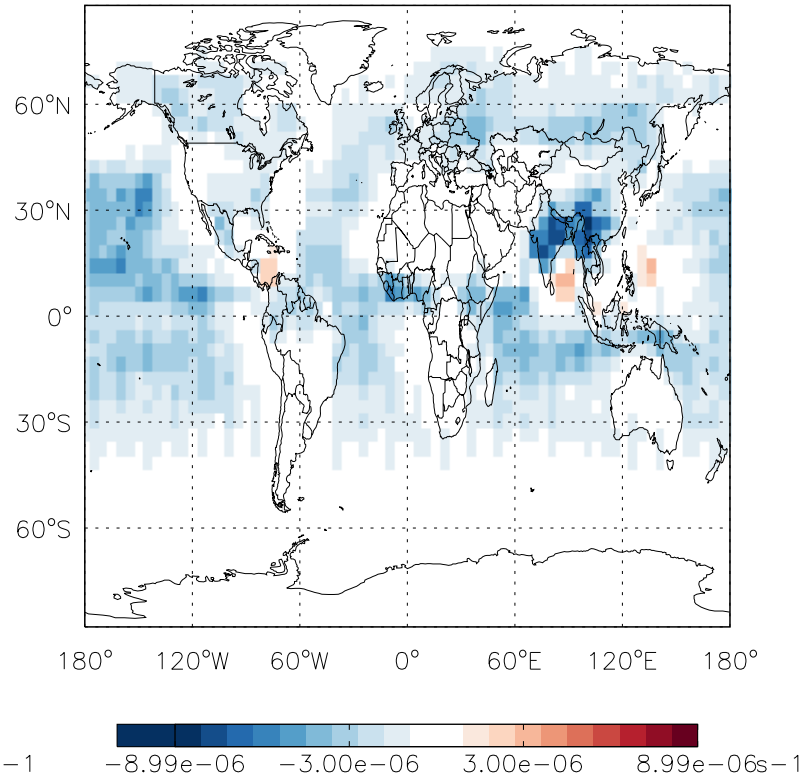
v11−01f−merra2−Run0 − v11−01d−Run1

JGLYC − J−Value Diff @ surface for Jul



v11−01f−merra2−Run0 − v11−01d−Run1

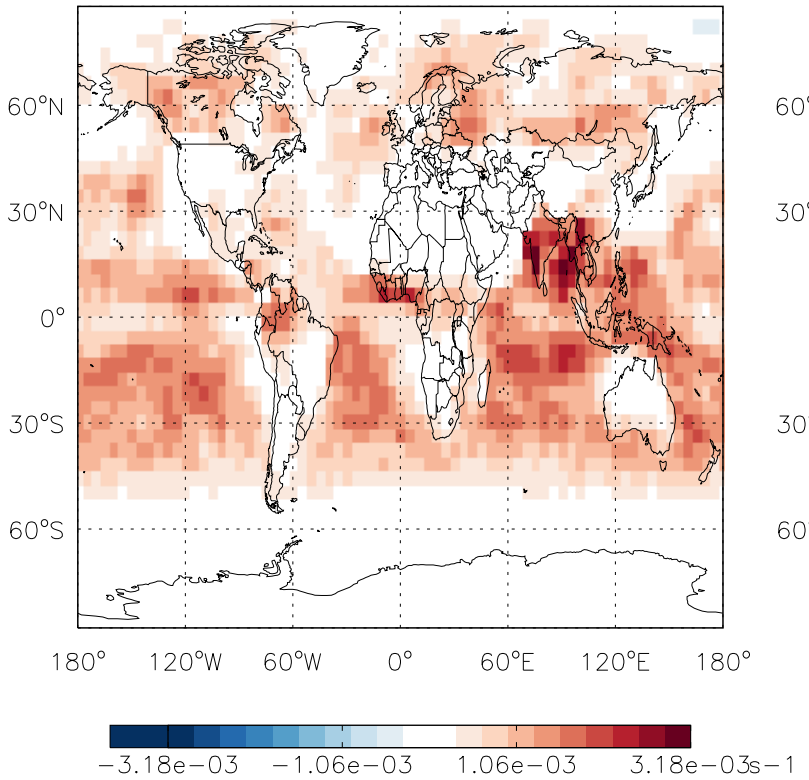
JGLYC − J−Value Diff @ 500 hPa for Jul



GEOS−Chem J−Values at surface and 500 hPa

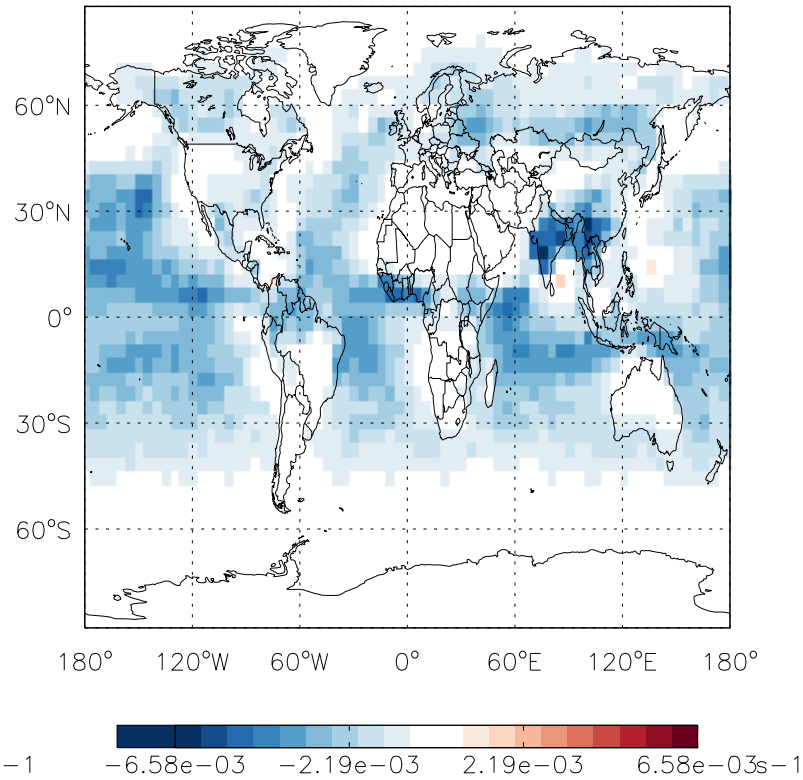
v11−01f−merra2−Run0 − v11−01f−geosfp−Run0

JNO2 − J−Value Diff @ surface for Jul



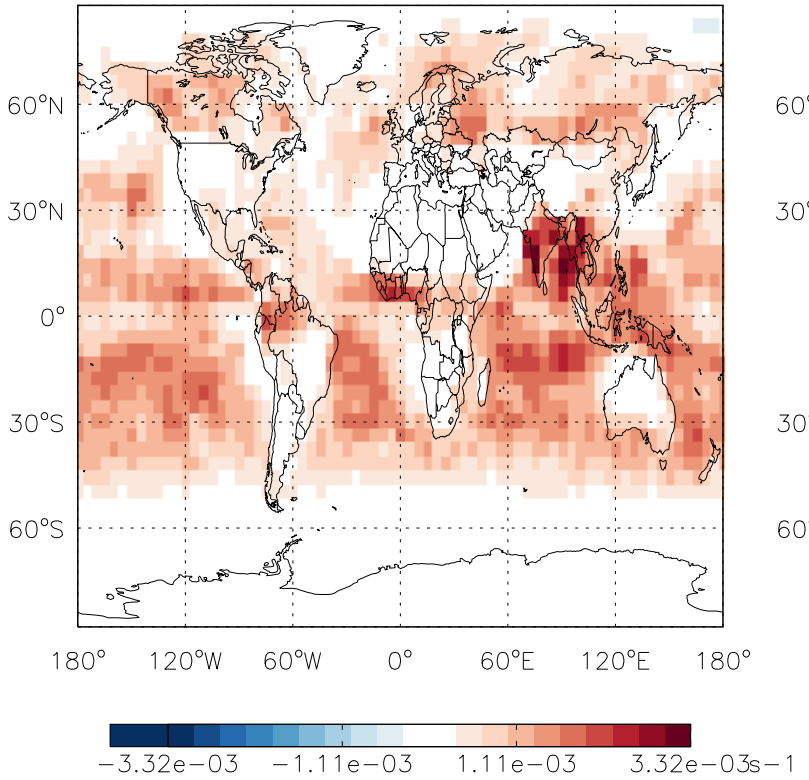
v11−01f−merra2−Run0 − v11−01f−geosfp−Run0

JNO2 − J−Value Diff @ 500 hPa for Jul



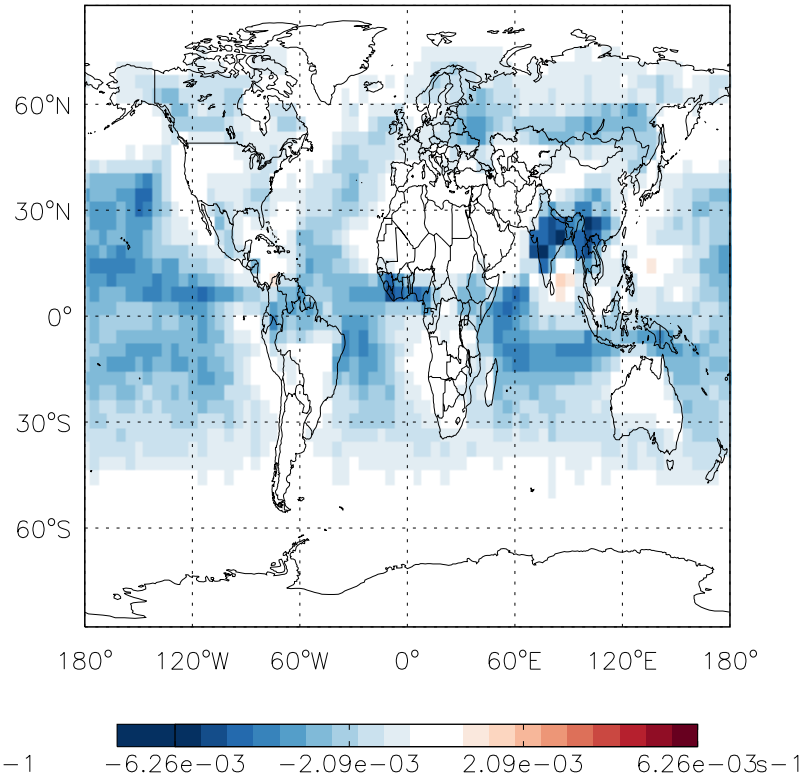
v11−01f−merra2−Run0 − v11−01d−Run1

JNO2 − J−Value Diff @ surface for Jul



v11−01f−merra2−Run0 − v11−01d−Run1

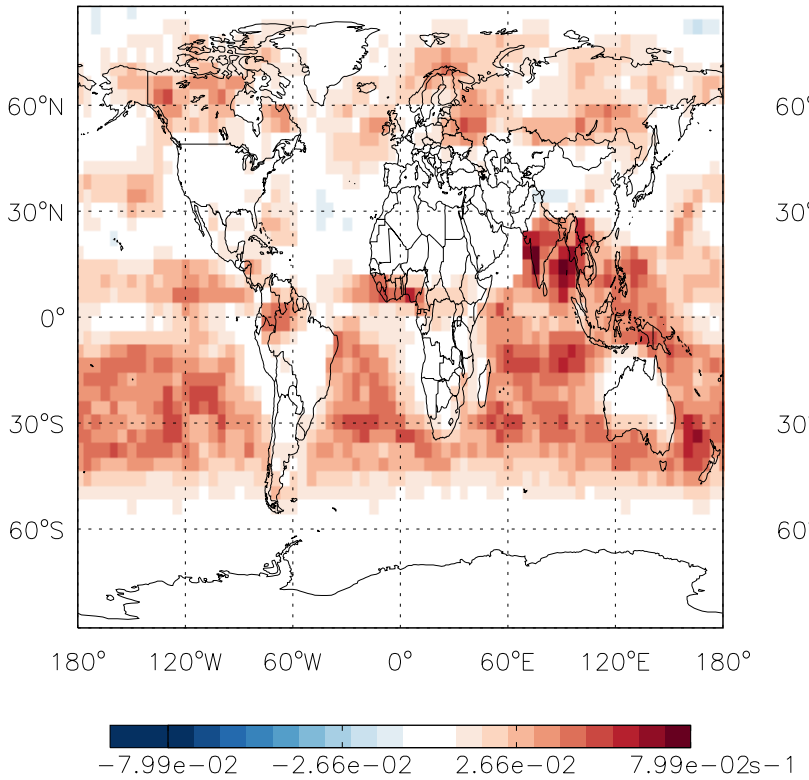
JNO2 − J−Value Diff @ 500 hPa for Jul



GEOS−Chem J−Values at surface and 500 hPa

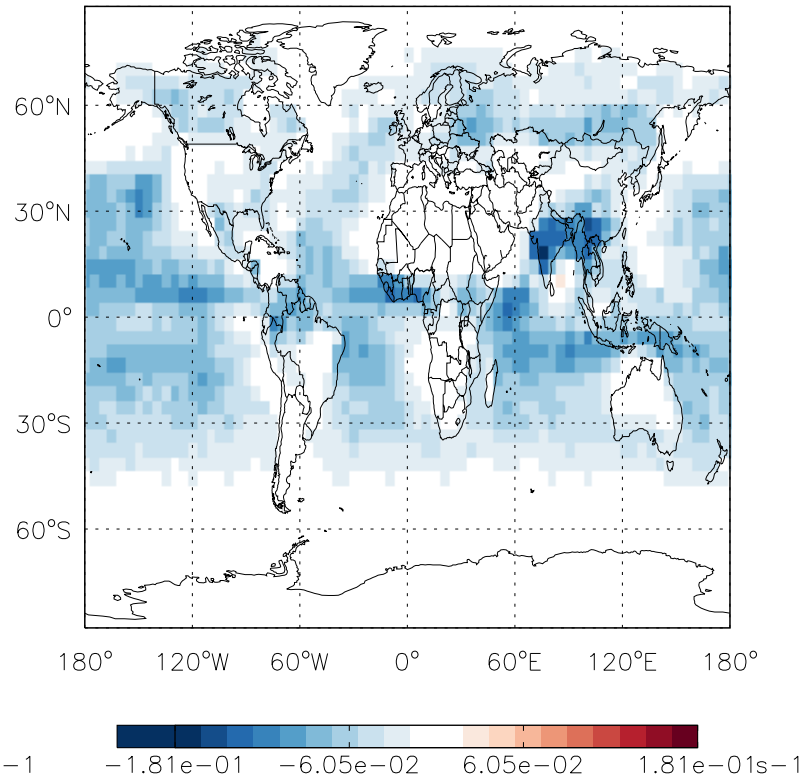
v11−01f−merra2−Run0 − v11−01f−geosfp−Run0

JNO3 − J−Value Diff @ surface for Jul



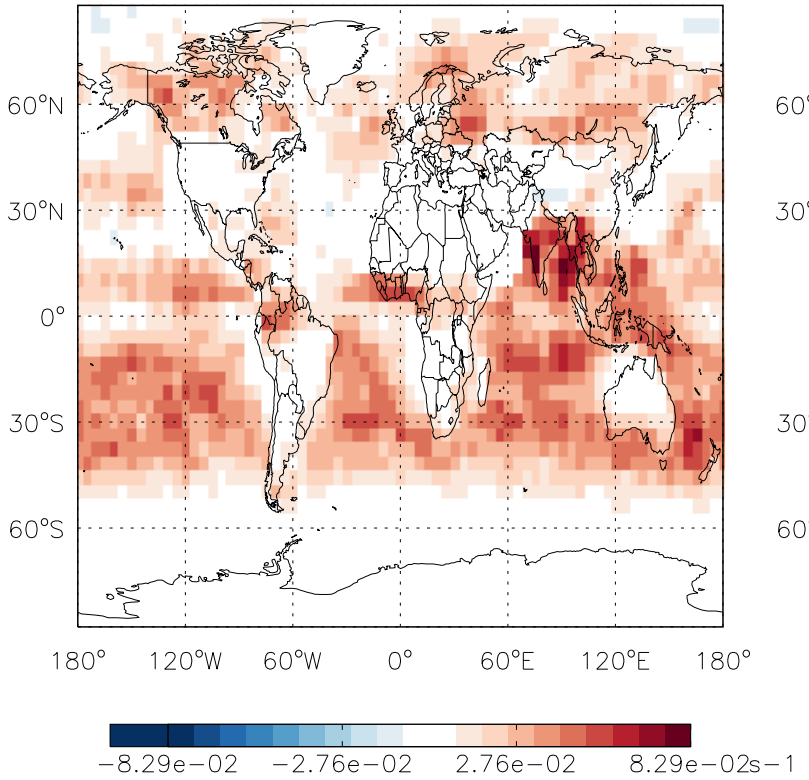
v11−01f−merra2−Run0 − v11−01f−geosfp−Run0

JNO3 − J−Value Diff @ 500 hPa for Jul



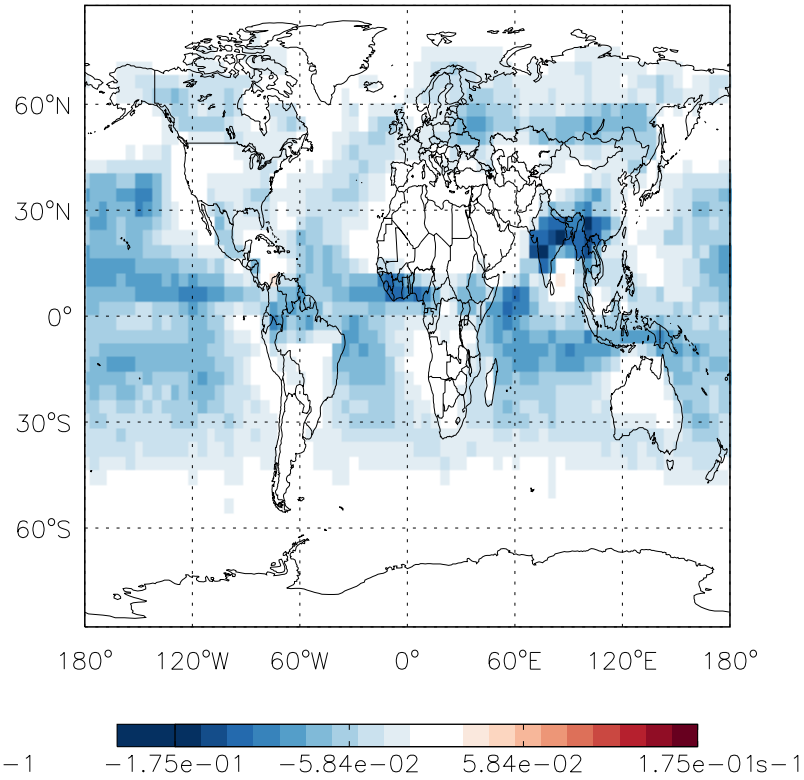
v11−01f−merra2−Run0 − v11−01d−Run1

JNO3 − J−Value Diff @ surface for Jul



v11−01f−merra2−Run0 − v11−01d−Run1

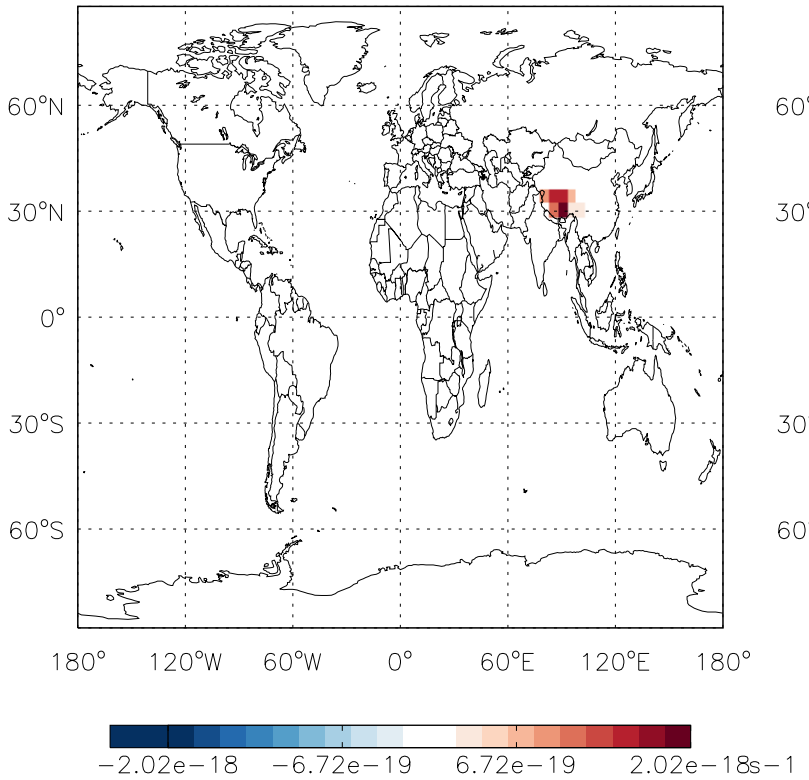
JNO3 − J−Value Diff @ 500 hPa for Jul



GEOS-Chem J-Values at surface and 500 hPa

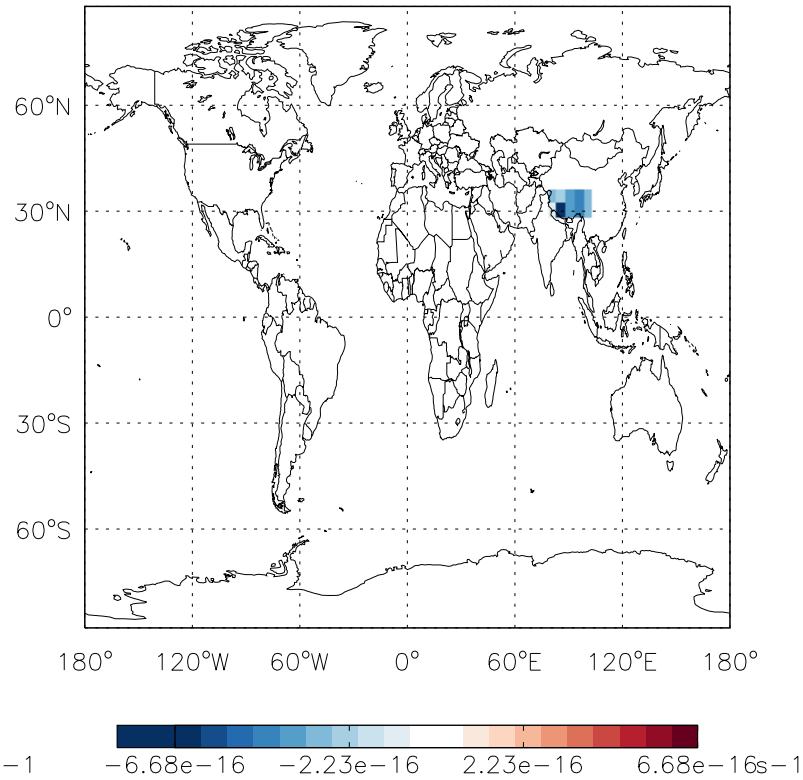
v11-01f-merra2-Run0 - v11-01f-geosfp-Run0

JN2O - J-Value Diff @ surface for Jul



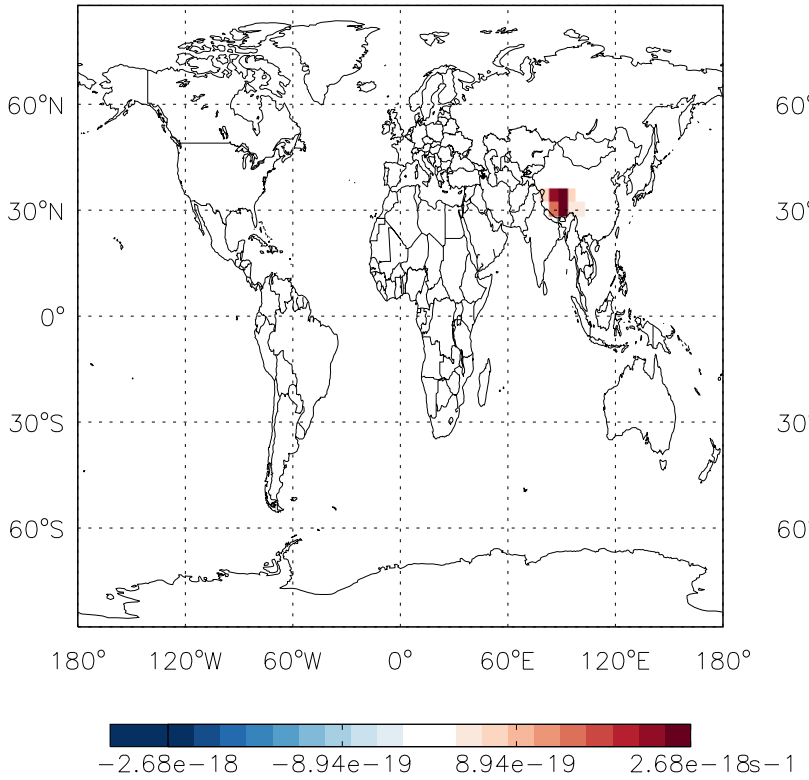
v11-01f-merra2-Run0 - v11-01f-geosfp-Run0

JN2O - J-Value Diff @ 500 hPa for Jul



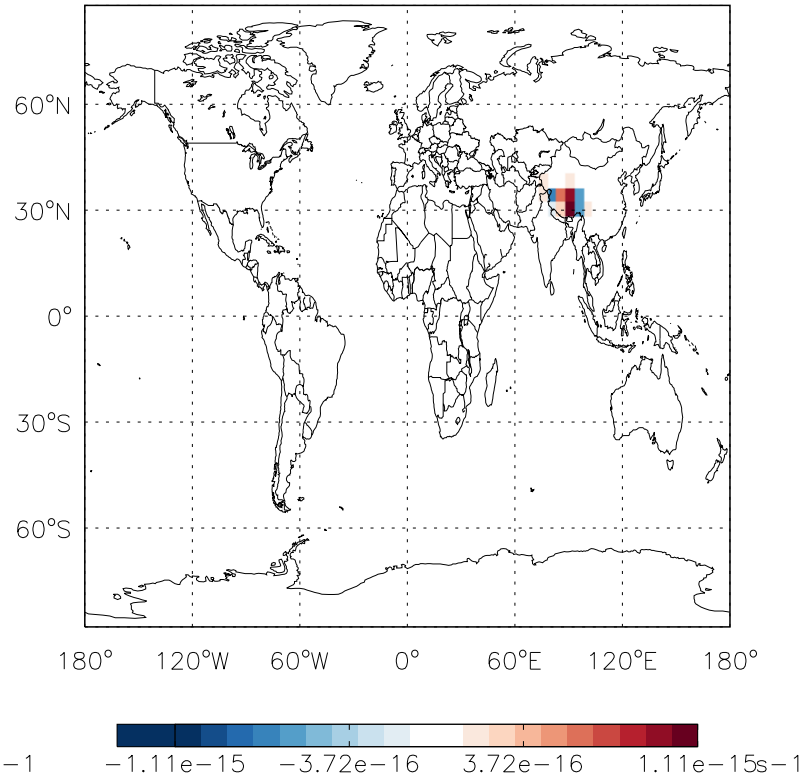
v11-01f-merra2-Run0 - v11-01d-Run1

JN2O - J-Value Diff @ surface for Jul



v11-01f-merra2-Run0 - v11-01d-Run1

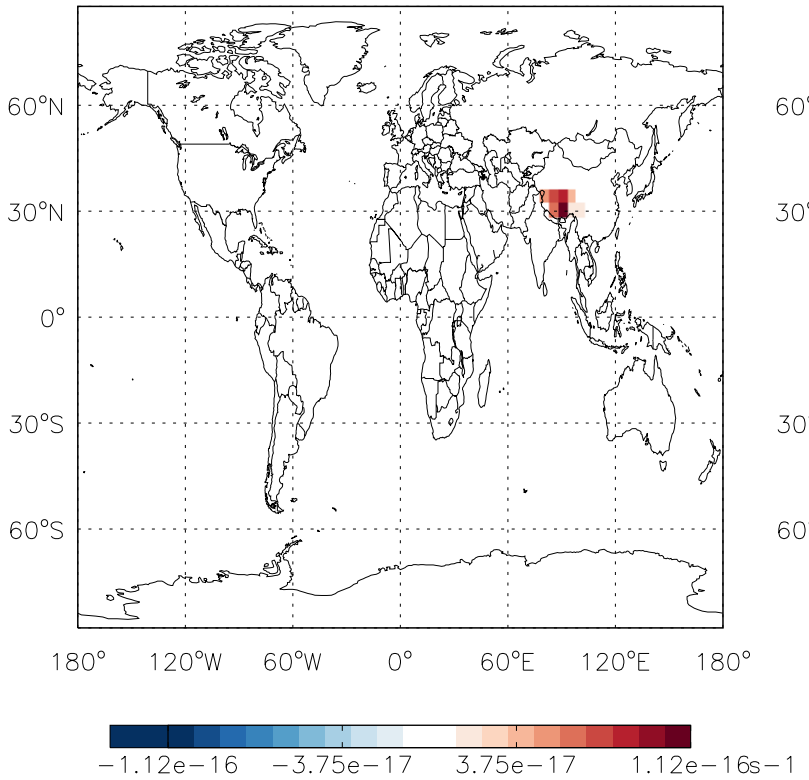
JN2O - J-Value Diff @ 500 hPa for Jul



GEOS−Chem J−Values at surface and 500 hPa

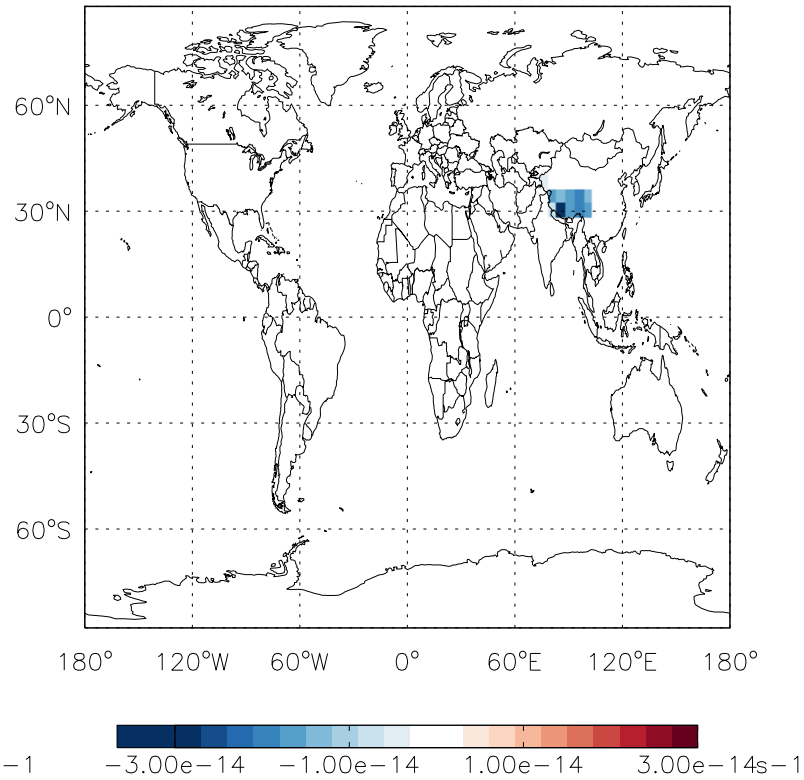
v11−01f−merra2−Run0 − v11−01f−geosfp−Run0

JCCl4 − J−Value Diff @ surface for Jul



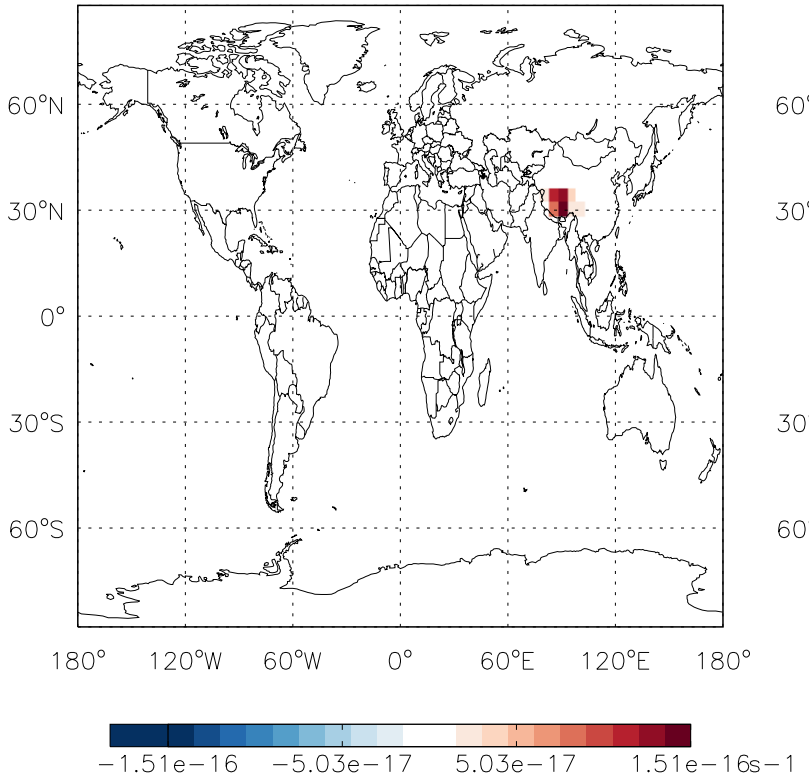
v11−01f−merra2−Run0 − v11−01f−geosfp−Run0

JCCl4 − J−Value Diff @ 500 hPa for Jul



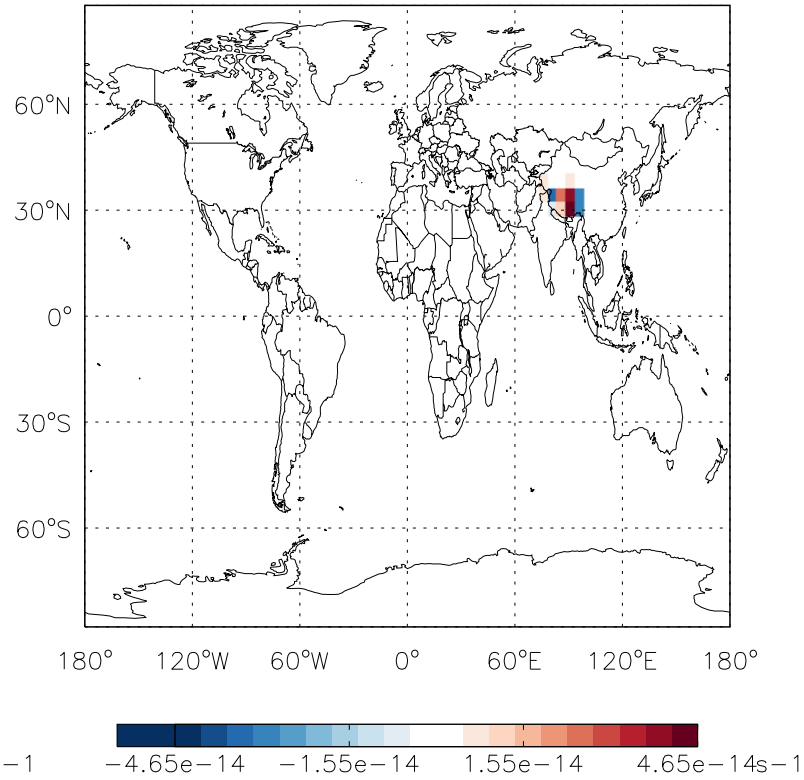
v11−01f−merra2−Run0 − v11−01d−Run1

JCCl4 − J−Value Diff @ surface for Jul



v11−01f−merra2−Run0 − v11−01d−Run1

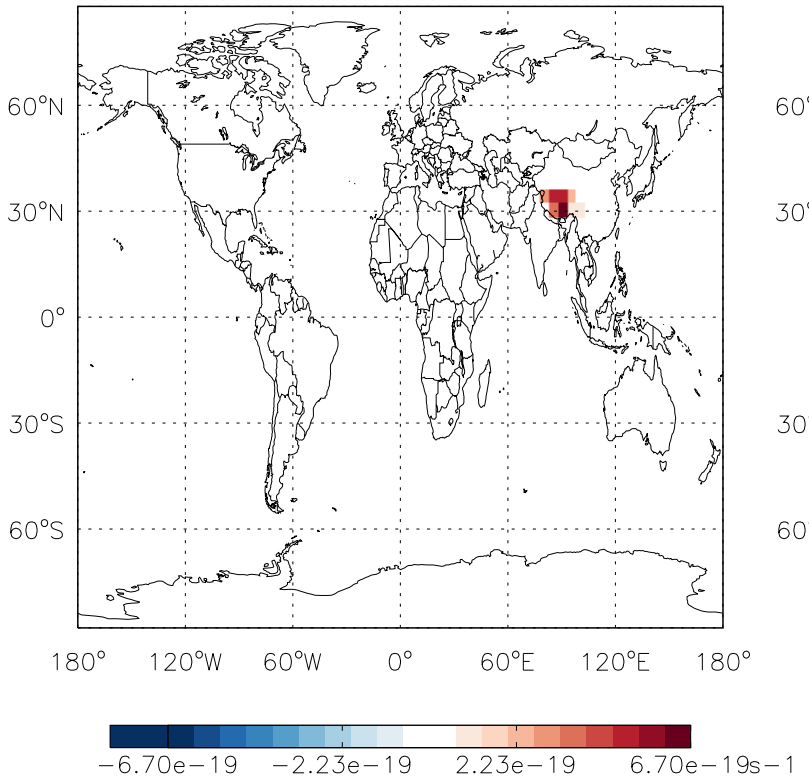
JCCl4 − J−Value Diff @ 500 hPa for Jul



GEOS−Chem J−Values at surface and 500 hPa

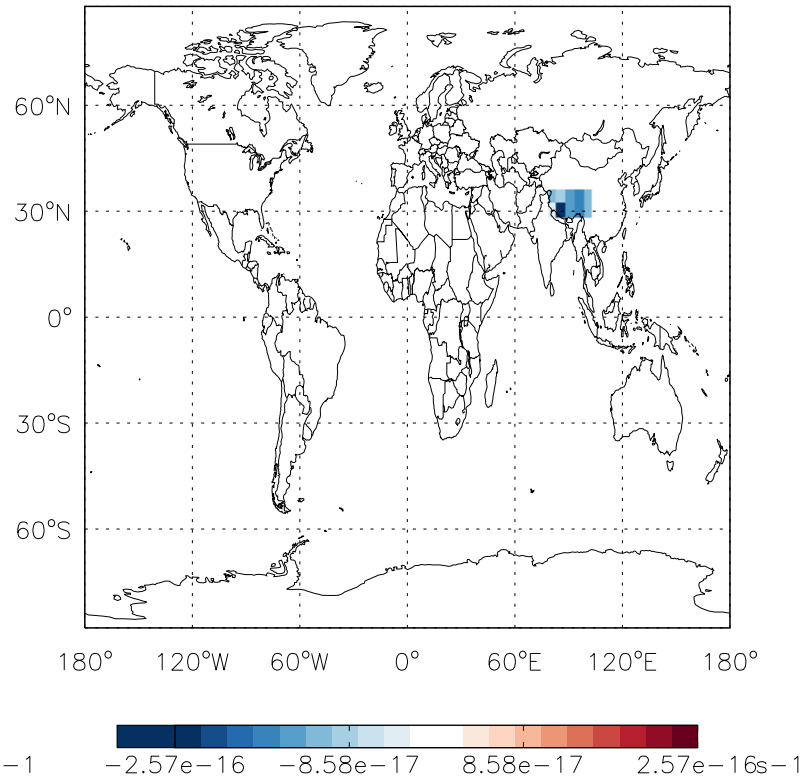
v11−01f−merra2−Run0 − v11−01f−geosfp−Run0

JCH3Cl − J−Value Diff @ surface for Jul



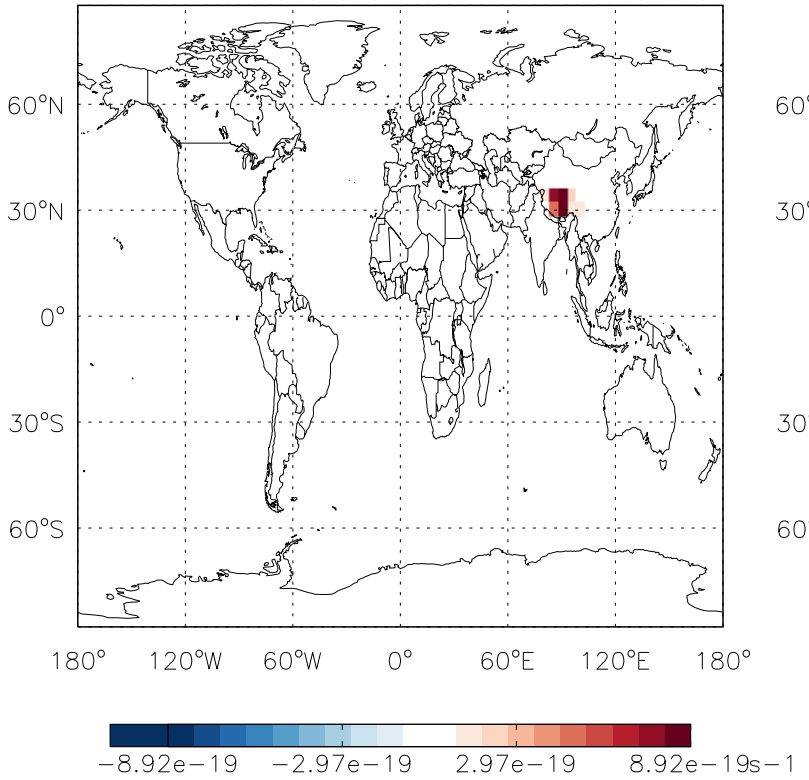
v11−01f−merra2−Run0 − v11−01f−geosfp−Run0

JCH3Cl − J−Value Diff @ 500 hPa for Jul



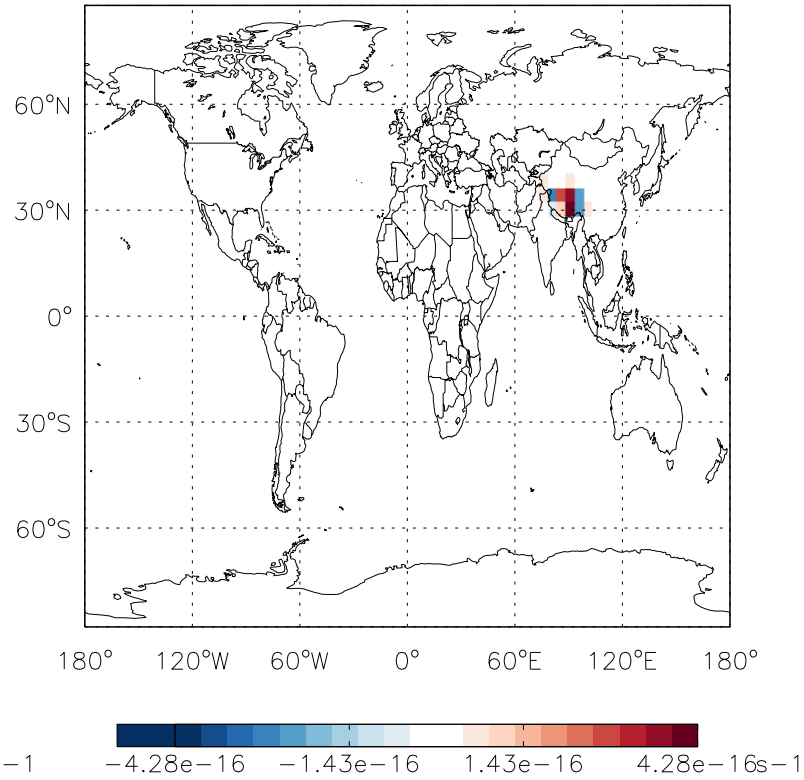
v11−01f−merra2−Run0 − v11−01d−Run1

JCH3Cl − J−Value Diff @ surface for Jul



v11−01f−merra2−Run0 − v11−01d−Run1

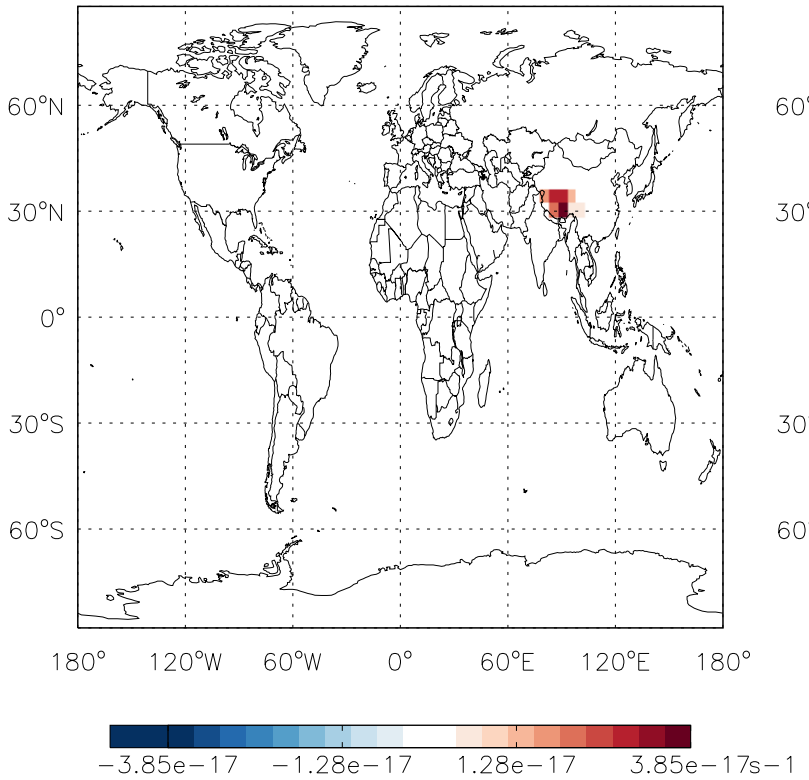
JCH3Cl − J−Value Diff @ 500 hPa for Jul



GEOS−Chem J−Values at surface and 500 hPa

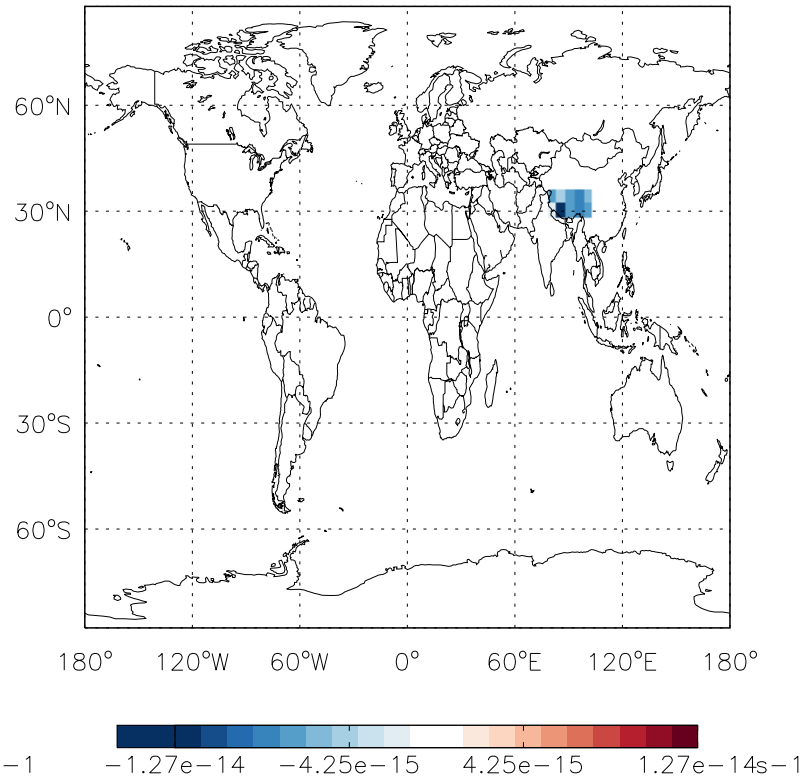
v11−01f−merra2−Run0 − v11−01f−geosfp−Run0

JCFC11 − J−Value Diff @ surface for Jul



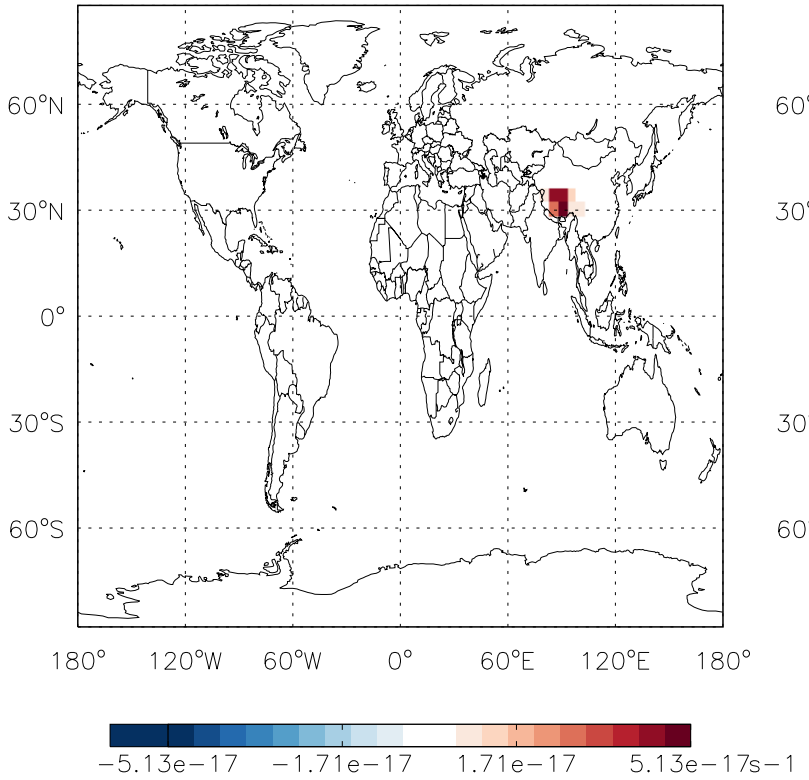
v11−01f−merra2−Run0 − v11−01f−geosfp−Run0

JCFC11 − J−Value Diff @ 500 hPa for Jul



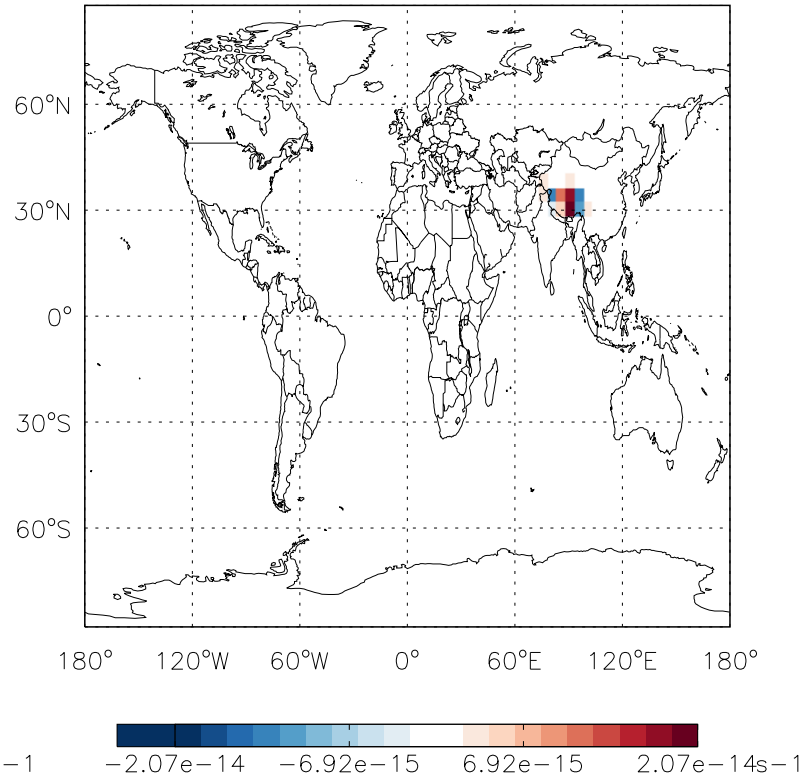
v11−01f−merra2−Run0 − v11−01d−Run1

JCFC11 − J−Value Diff @ surface for Jul



v11−01f−merra2−Run0 − v11−01d−Run1

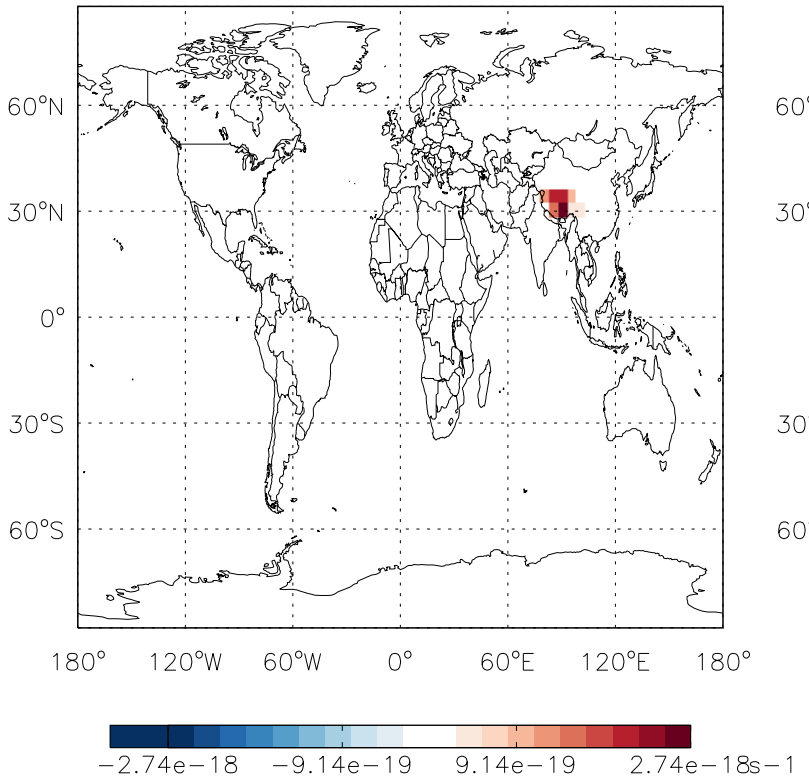
JCFC11 − J−Value Diff @ 500 hPa for Jul



GEOS−Chem J−Values at surface and 500 hPa

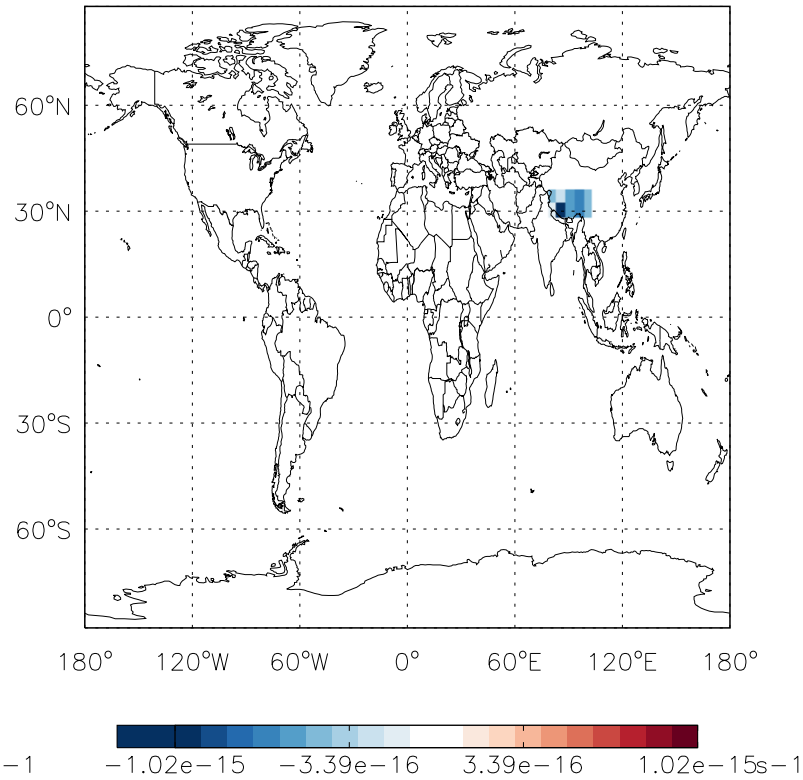
v11−01f−merra2−Run0 − v11−01f−geosfp−Run0

JCFC12 − J−Value Diff @ surface for Jul



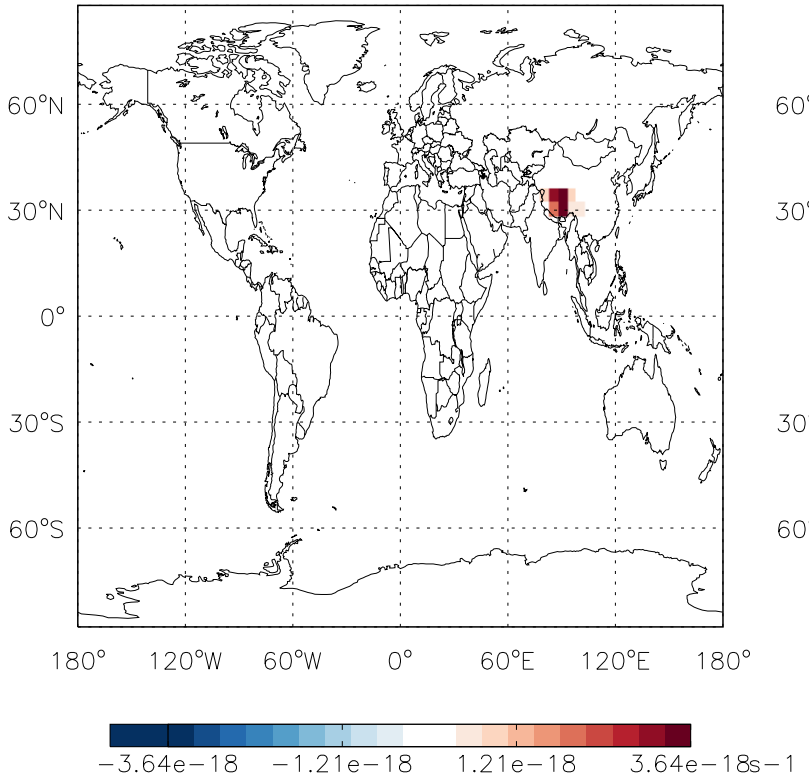
v11−01f−merra2−Run0 − v11−01f−geosfp−Run0

JCFC12 − J−Value Diff @ 500 hPa for Jul



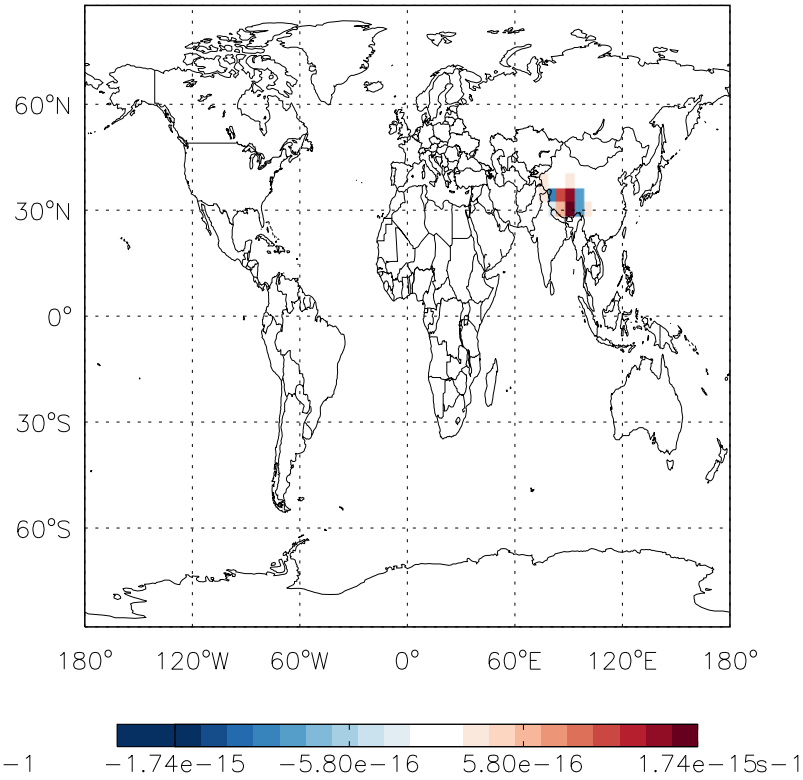
v11−01f−merra2−Run0 − v11−01d−Run1

JCFC12 − J−Value Diff @ surface for Jul



v11−01f−merra2−Run0 − v11−01d−Run1

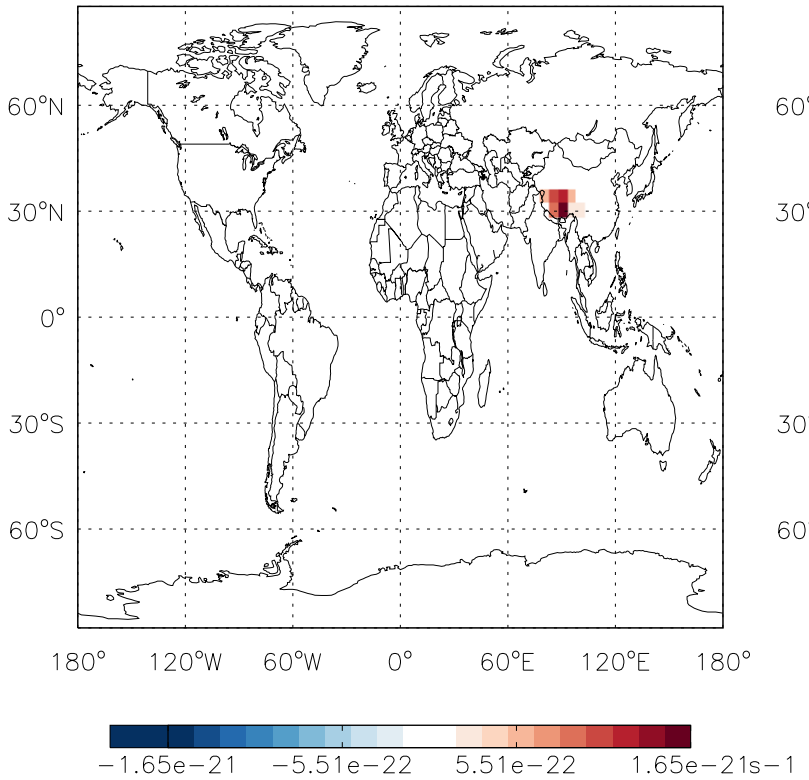
JCFC12 − J−Value Diff @ 500 hPa for Jul



GEOS−Chem J−Values at surface and 500 hPa

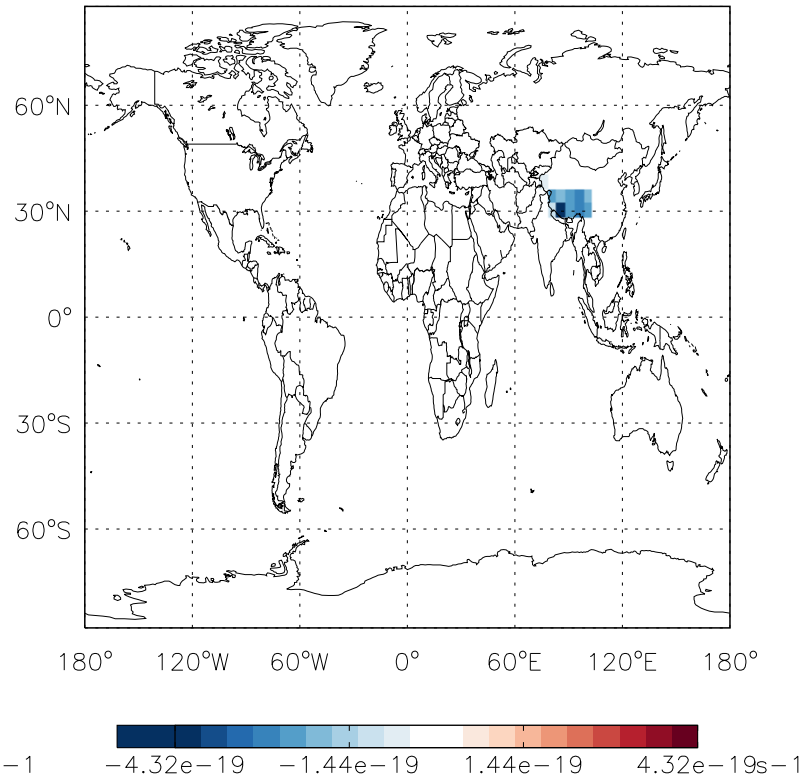
v11−01f−merra2−Run0 − v11−01f−geosfp−Run0

JO2 − J−Value Diff @ surface for Jul



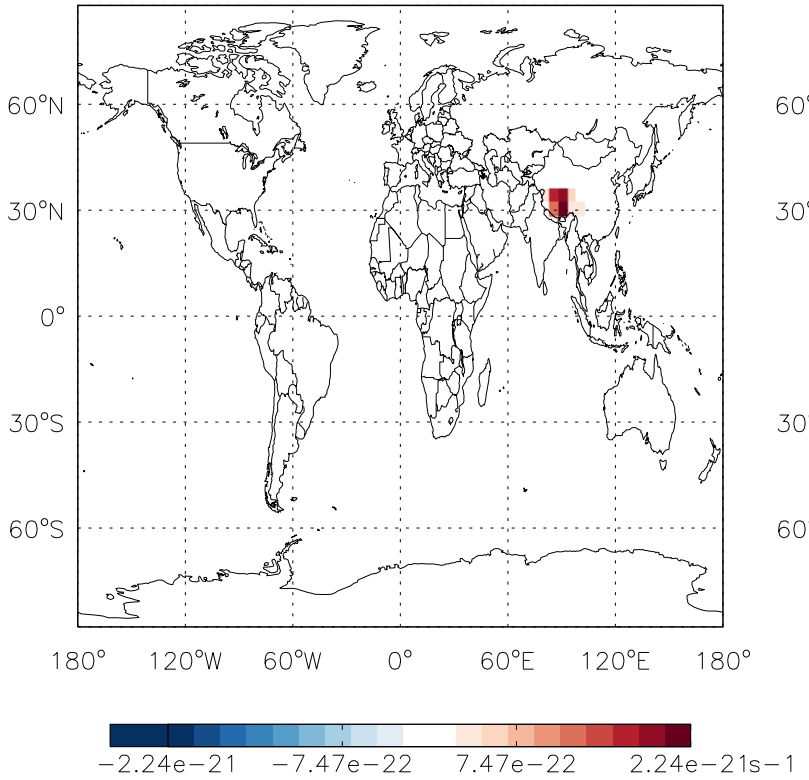
v11−01f−merra2−Run0 − v11−01f−geosfp−Run0

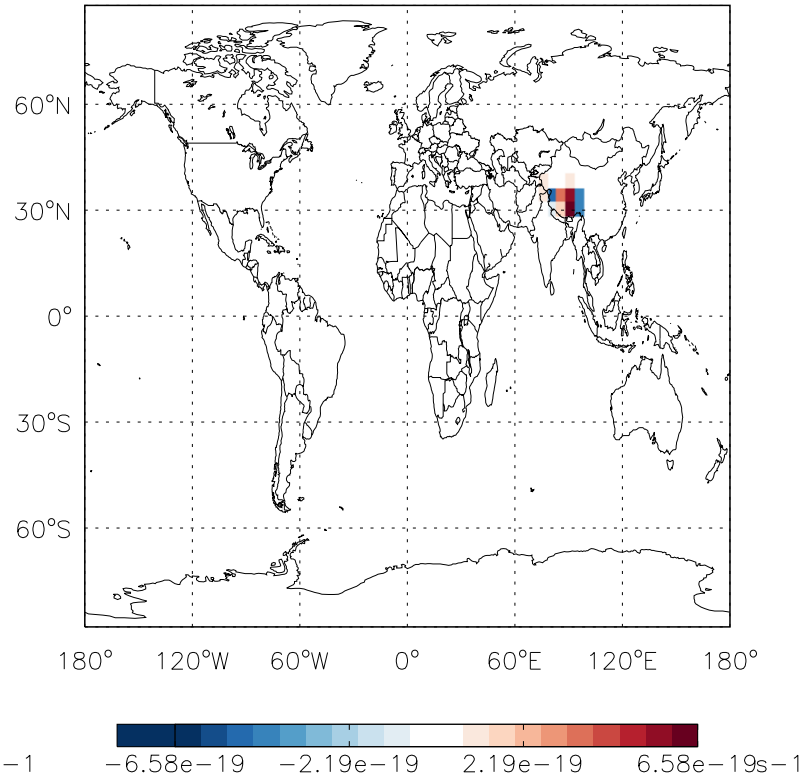
JO2 − J−Value Diff @ 500 hPa for Jul



v11−01f−merra2−Run0 − v11−01d−Run1

JO2 − J−Value Diff @ surface for Jul



v11−01f−merra2−Run0 − v11−01d−Run1

JO2 − J−Value Diff @ 500 hPa for Jul