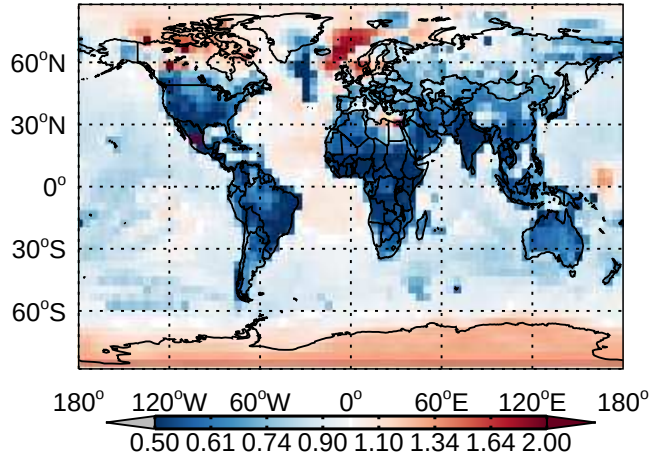


GEOS-Chem Ratio Maps at surface and 500 hPa

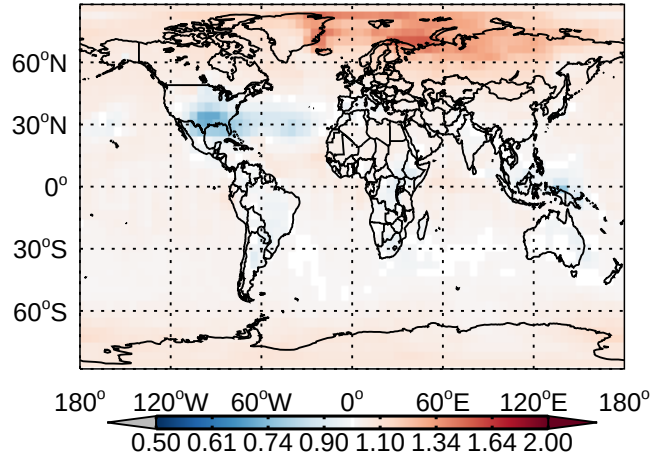
v11-01 / v10-01

NO / Ratio @ Surface for Oct



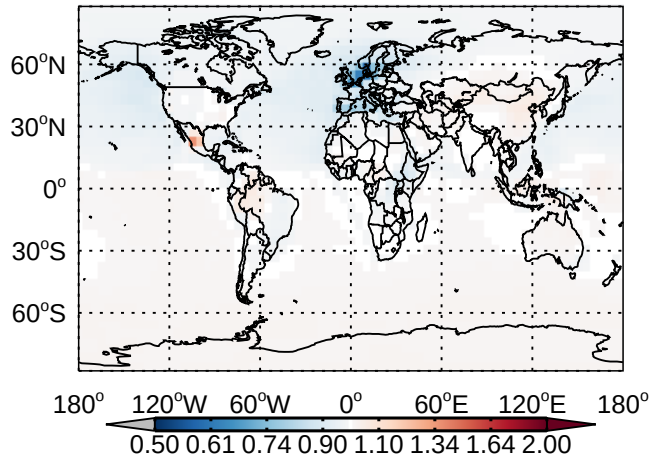
v11-01 / v10-01

NO/ Ratio @ 500 hPa for Oct



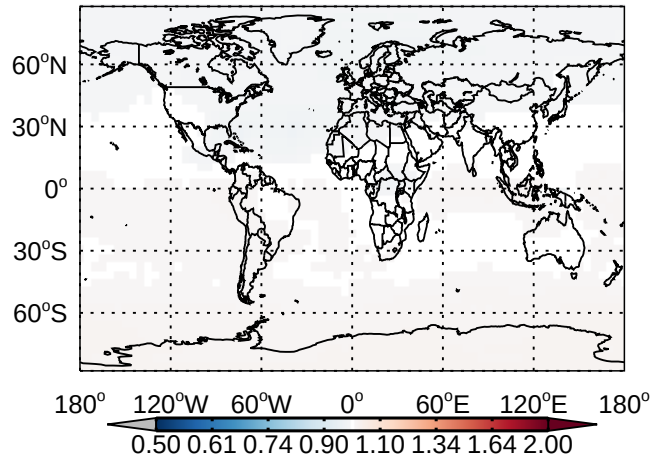
v11-01 / v10-01

O3 / Ratio @ Surface for Oct



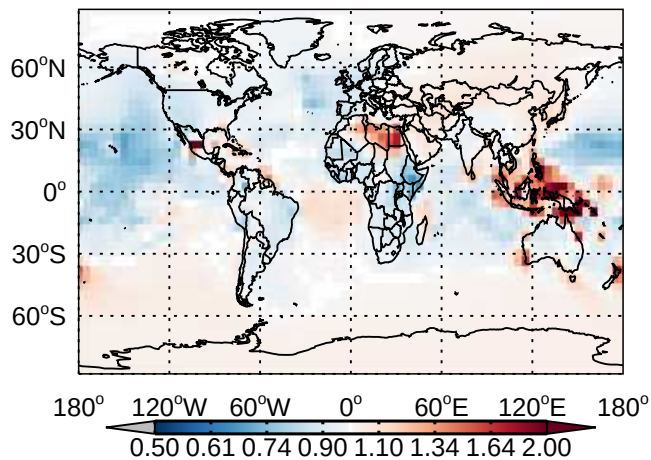
v11-01 / v10-01

O3/ Ratio @ 500 hPa for Oct



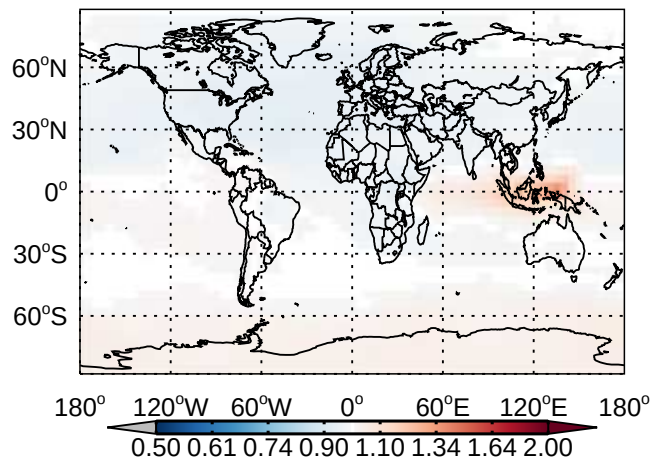
v11-01 / v10-01

PAN / Ratio @ Surface for Oct



v11-01 / v10-01

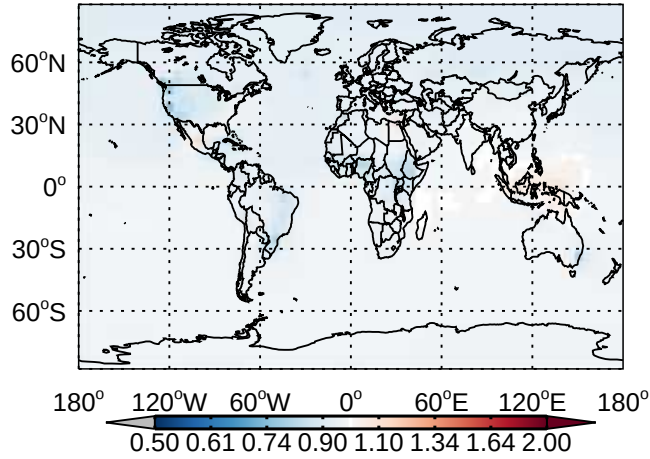
PAN/ Ratio @ 500 hPa for Oct



GEOS-Chem Ratio Maps at surface and 500 hPa

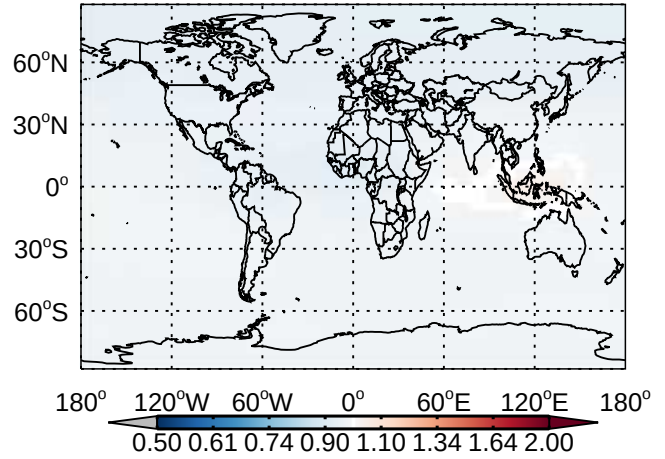
v11-01 / v10-01

CO / Ratio @ Surface for Oct



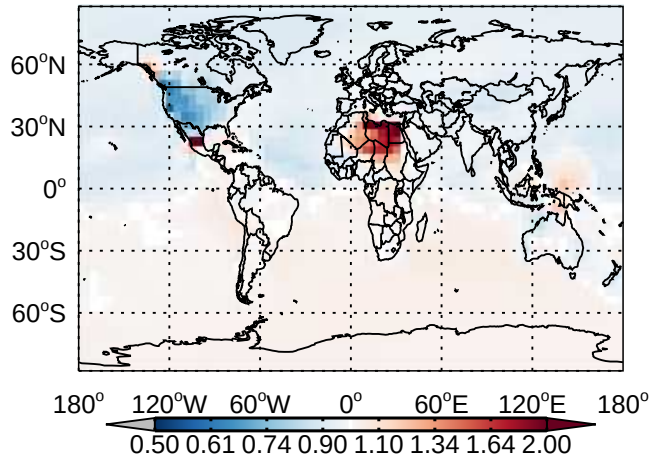
v11-01 / v10-01

CO/ Ratio @ 500 hPa for Oct



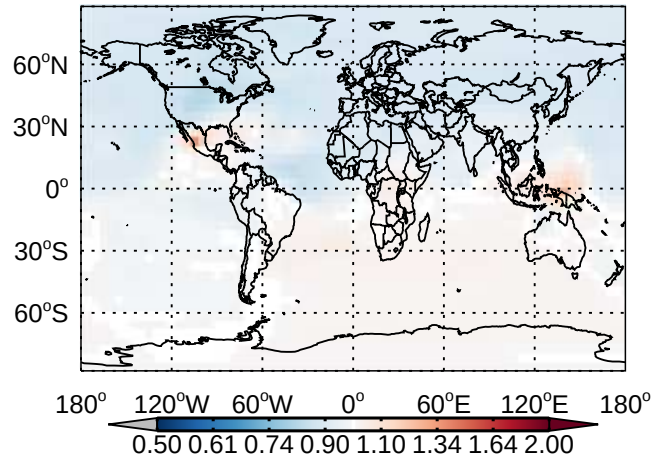
v11-01 / v10-01

ALK4 / Ratio @ Surface for Oct



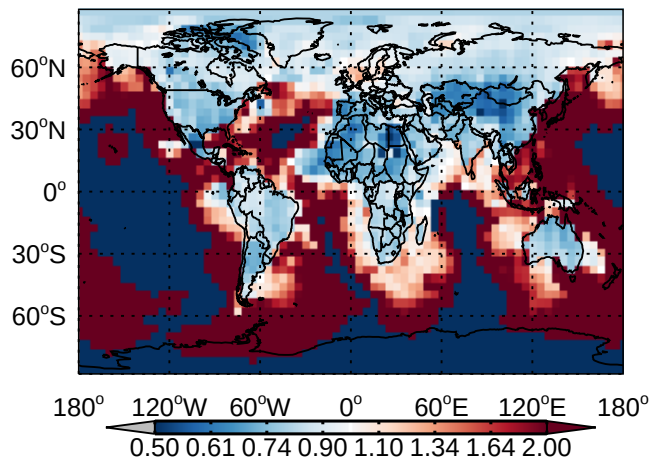
v11-01 / v10-01

ALK4/ Ratio @ 500 hPa for Oct



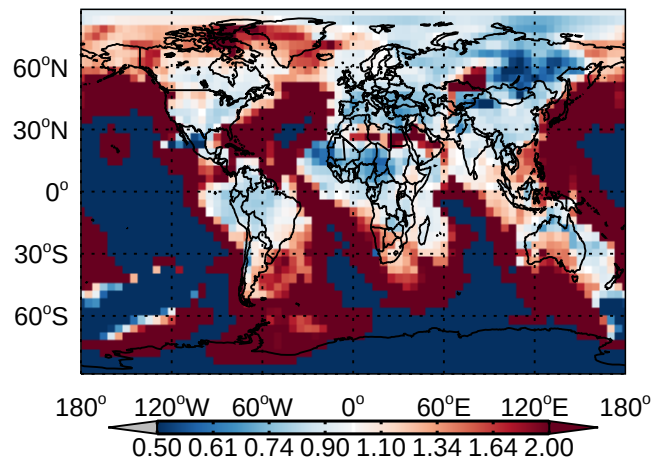
v11-01 / v10-01

ISOP / Ratio @ Surface for Oct

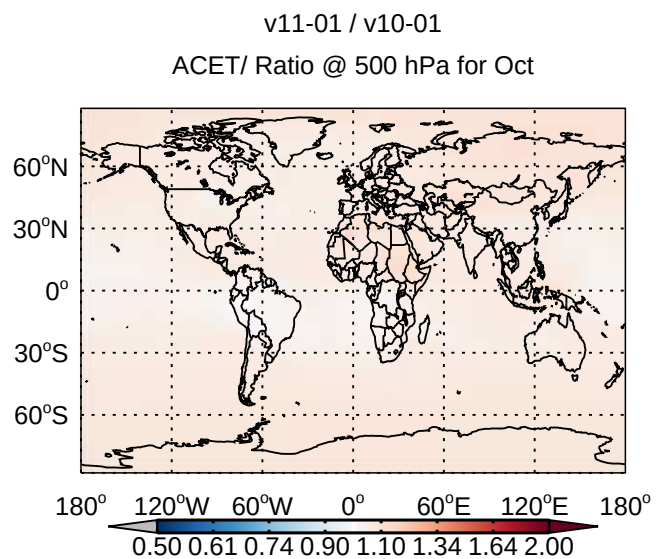
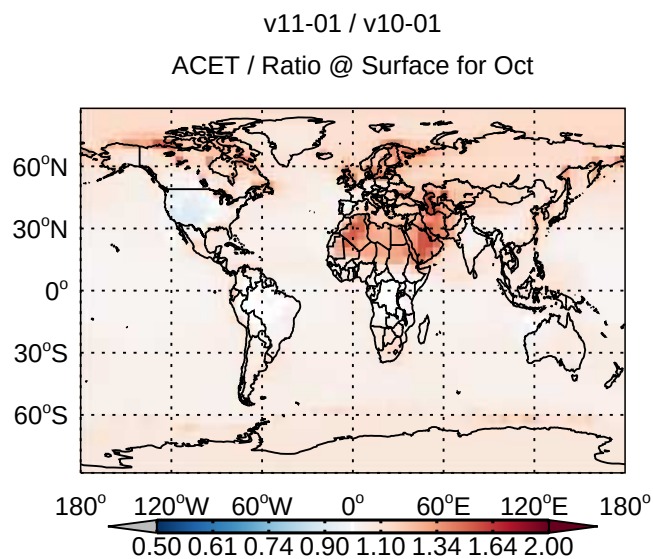
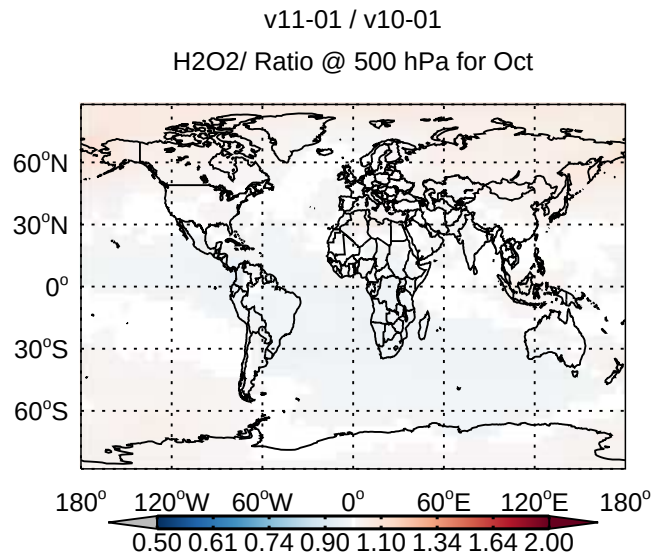
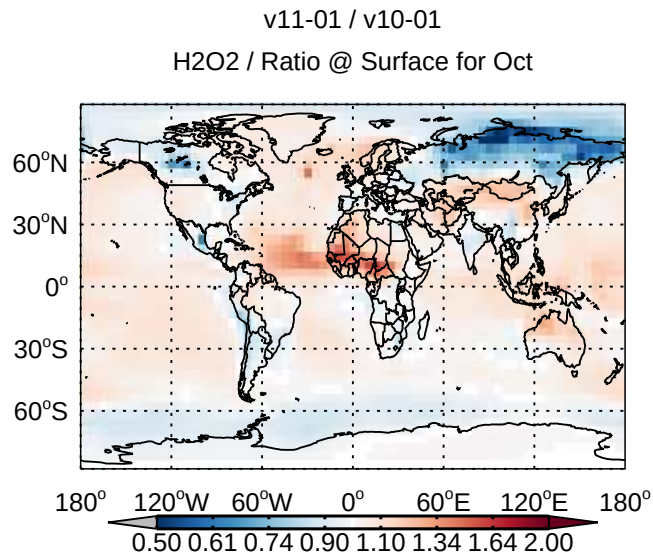
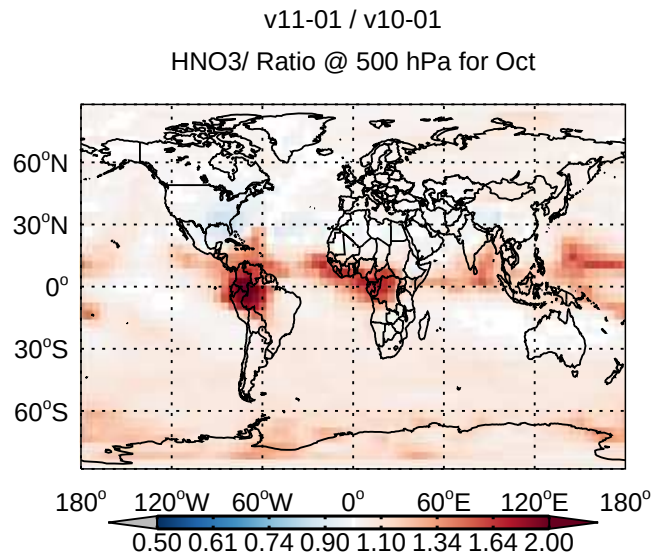
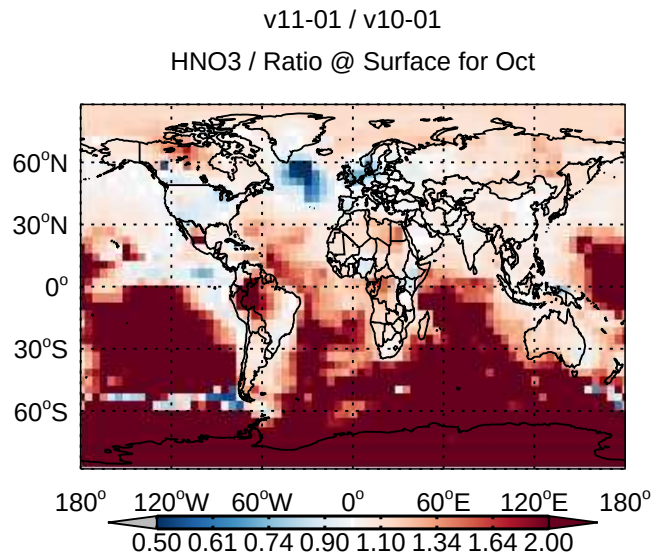


v11-01 / v10-01

ISOP/ Ratio @ 500 hPa for Oct



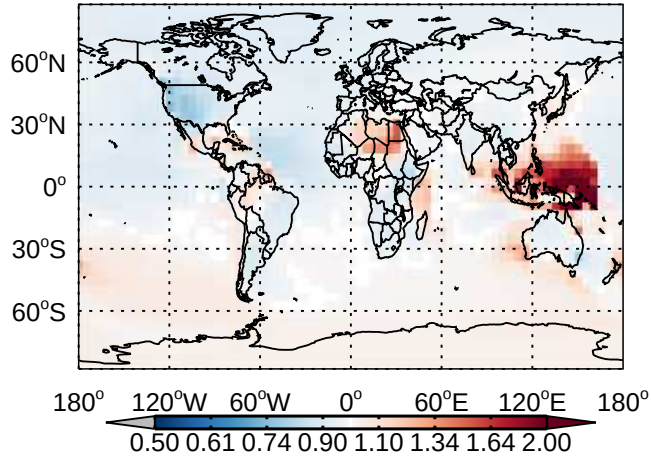
GEOS-Chem Ratio Maps at surface and 500 hPa



GEOS-Chem Ratio Maps at surface and 500 hPa

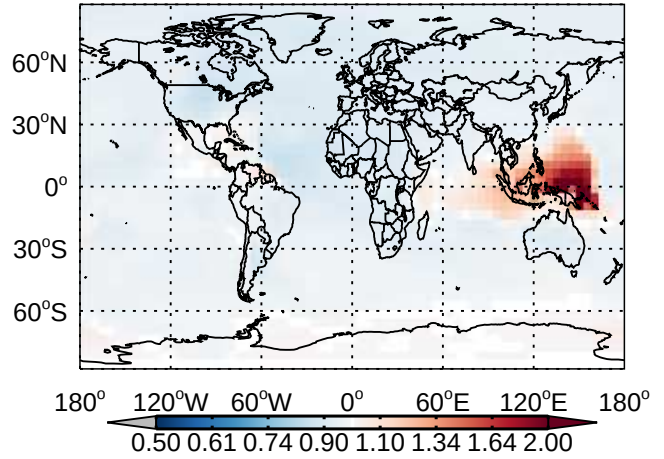
v11-01 / v10-01

MEK / Ratio @ Surface for Oct



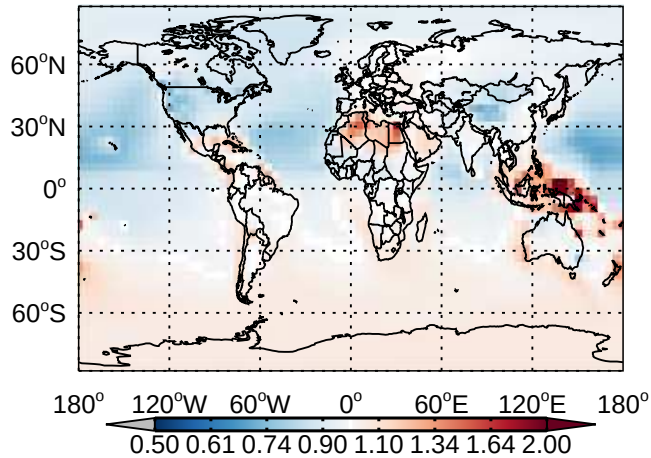
v11-01 / v10-01

MEK/ Ratio @ 500 hPa for Oct



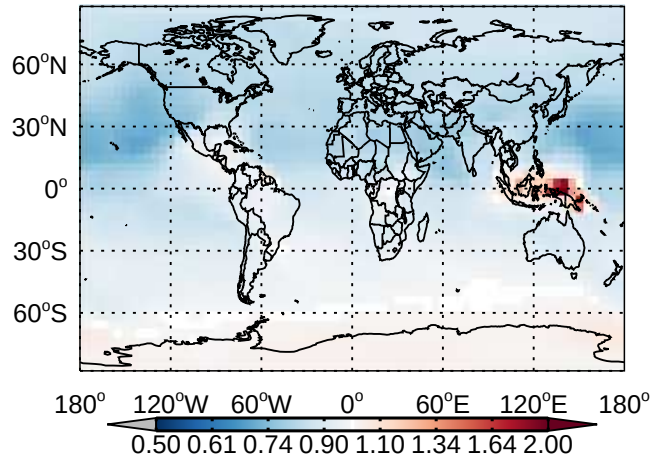
v11-01 / v10-01

ALD2 / Ratio @ Surface for Oct



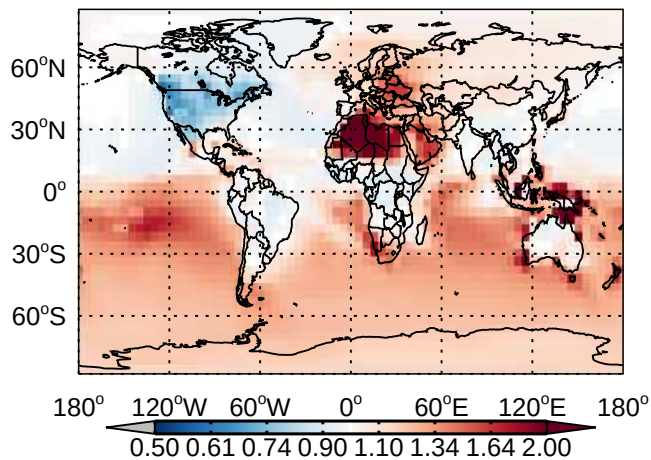
v11-01 / v10-01

ALD2/ Ratio @ 500 hPa for Oct



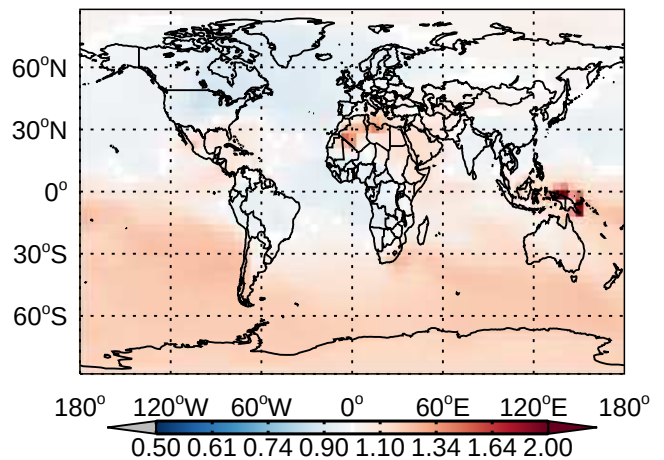
v11-01 / v10-01

RCHO / Ratio @ Surface for Oct



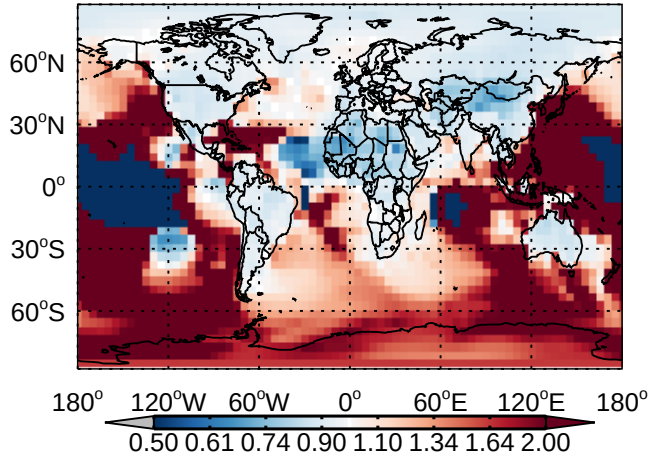
v11-01 / v10-01

RCHO/ Ratio @ 500 hPa for Oct

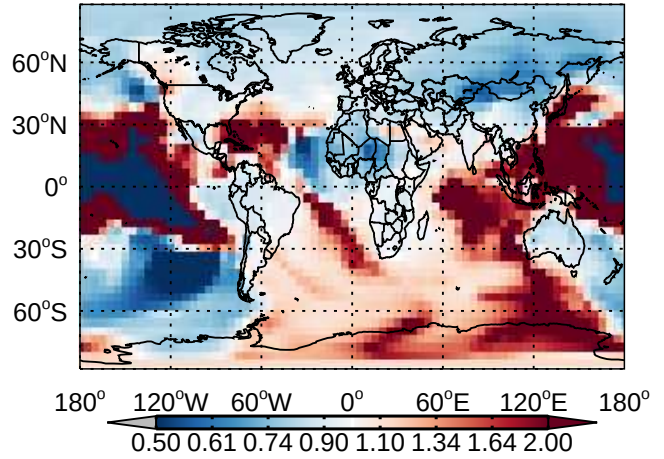


GEOS-Chem Ratio Maps at surface and 500 hPa

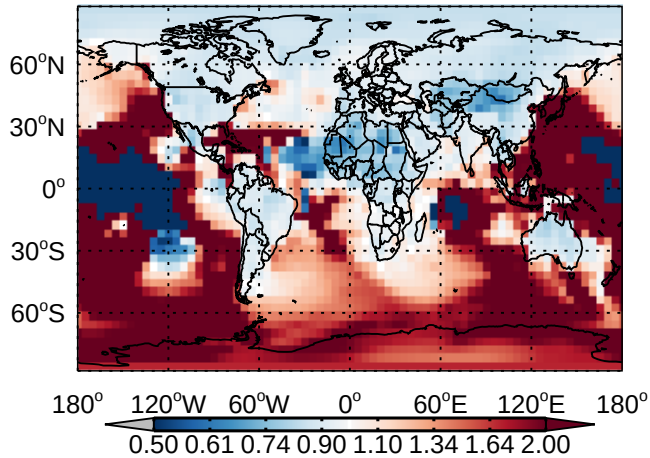
v11-01 / v10-01
MVK / Ratio @ Surface for Oct



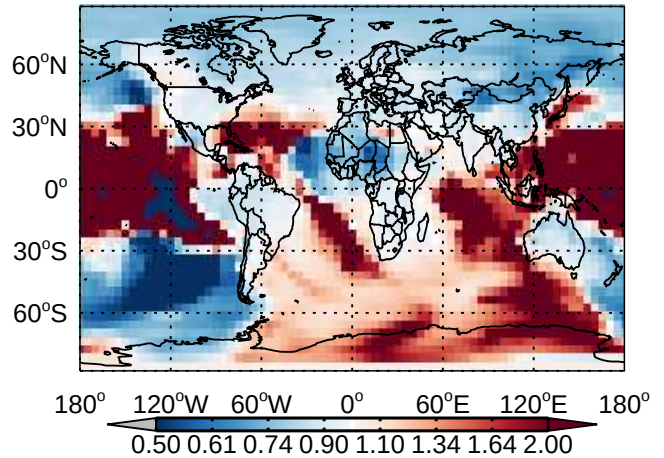
v11-01 / v10-01
MVK/ Ratio @ 500 hPa for Oct



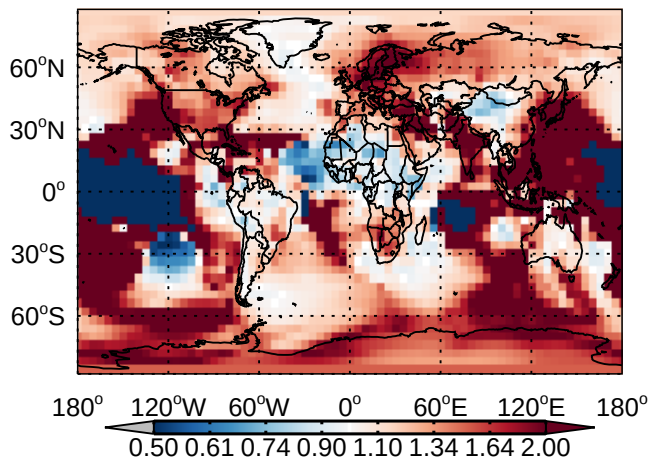
v11-01 / v10-01
MACR / Ratio @ Surface for Oct



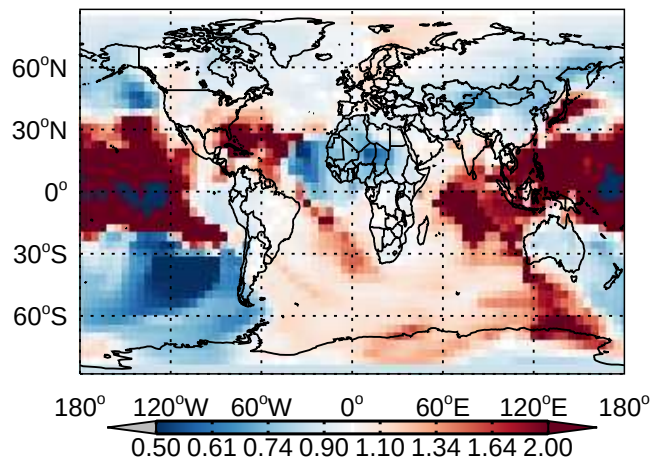
v11-01 / v10-01
MACR/ Ratio @ 500 hPa for Oct



v11-01 / v10-01
PMN / Ratio @ Surface for Oct



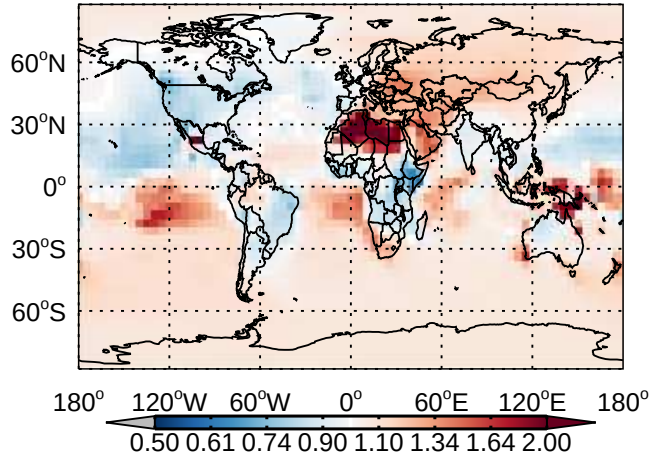
v11-01 / v10-01
PMN/ Ratio @ 500 hPa for Oct



GEOS-Chem Ratio Maps at surface and 500 hPa

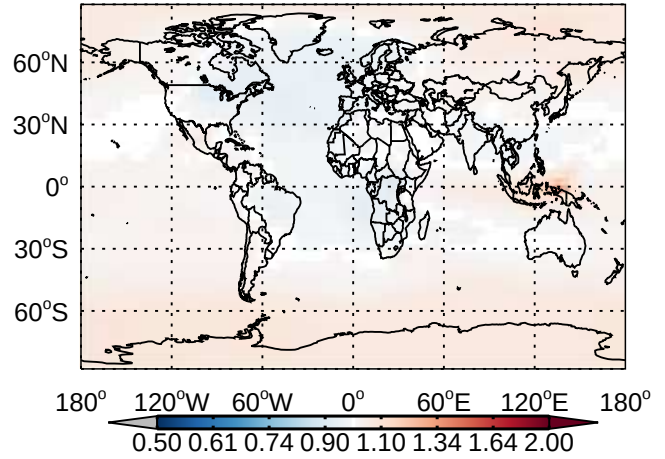
v11-01 / v10-01

PPN / Ratio @ Surface for Oct



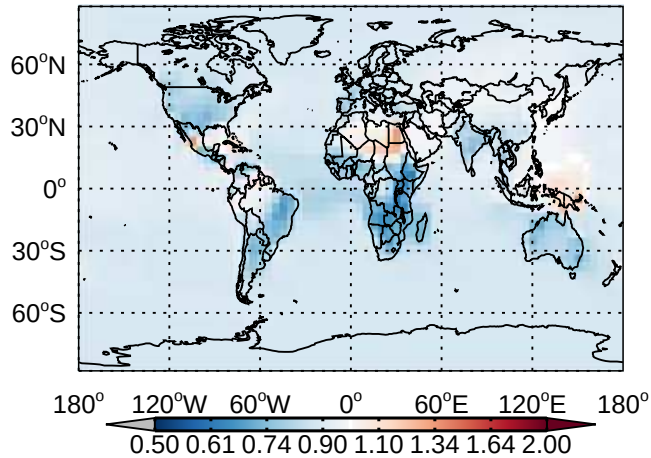
v11-01 / v10-01

PPN/ Ratio @ 500 hPa for Oct



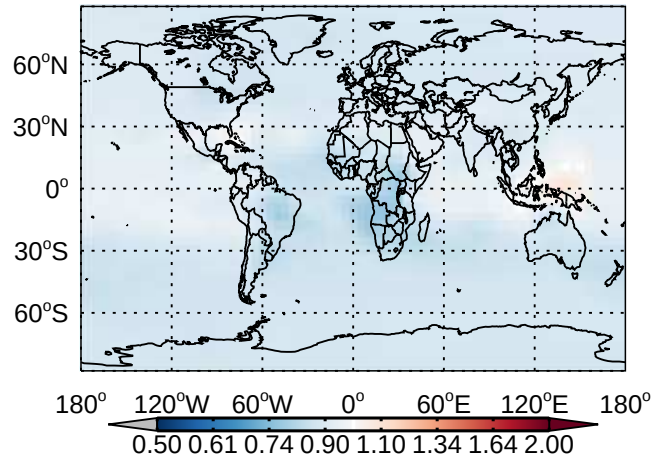
v11-01 / v10-01

R4N2 / Ratio @ Surface for Oct



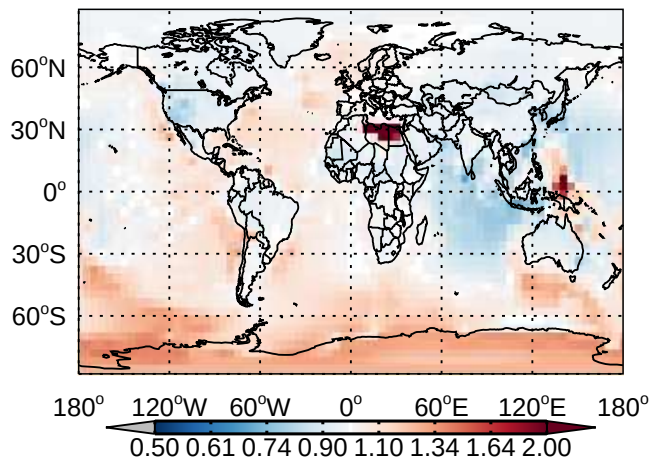
v11-01 / v10-01

R4N2/ Ratio @ 500 hPa for Oct



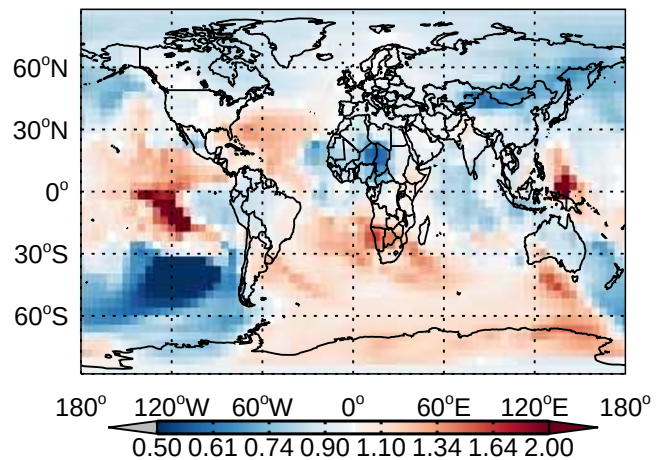
v11-01 / v10-01

PRPE / Ratio @ Surface for Oct

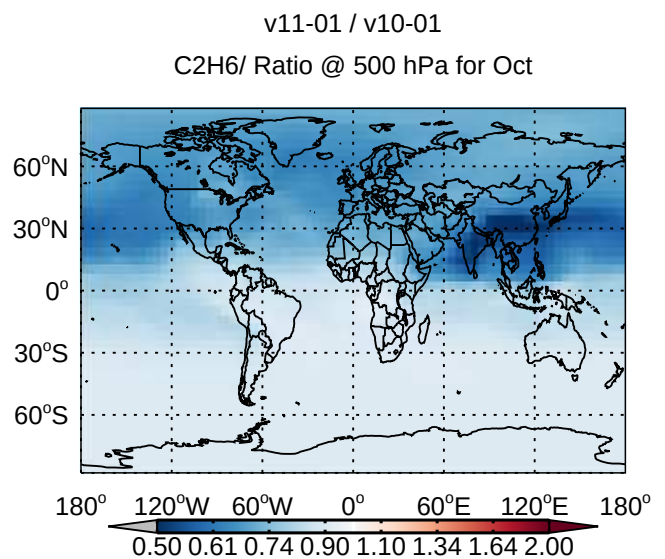
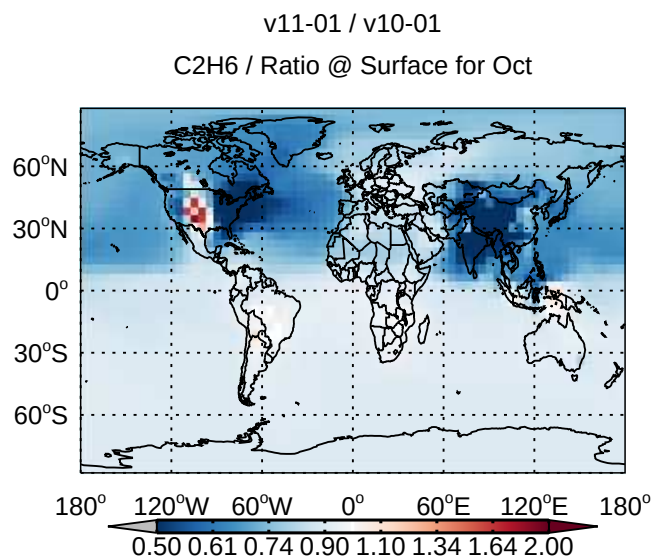
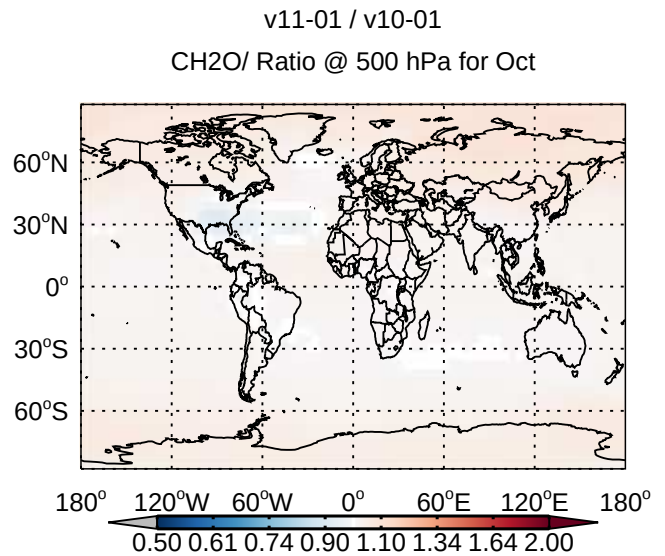
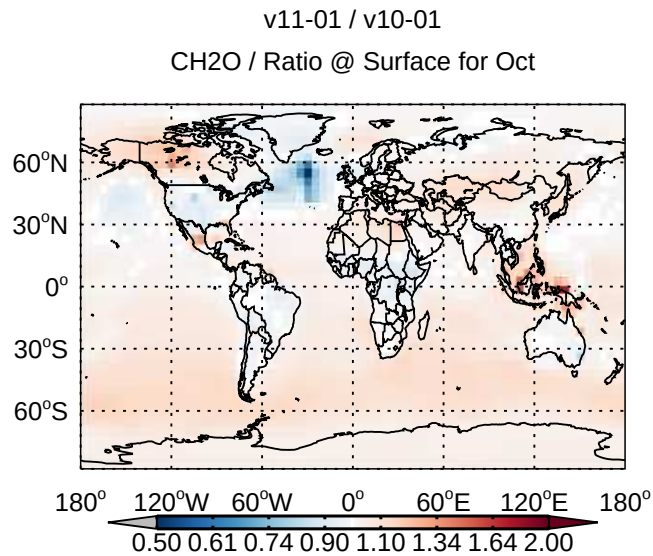
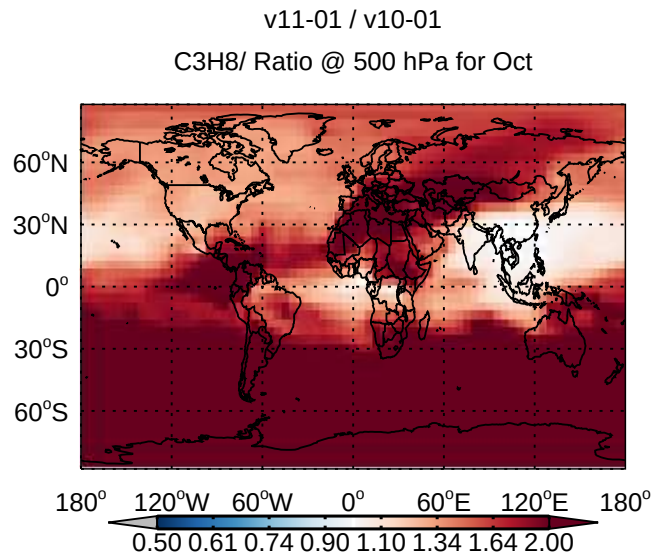
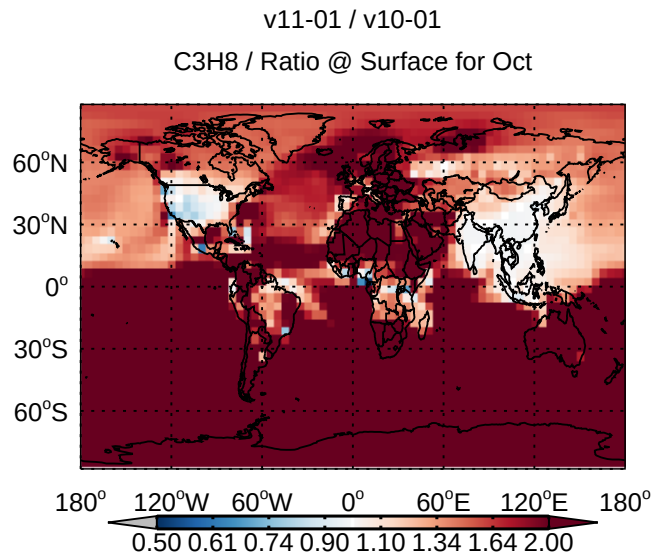


v11-01 / v10-01

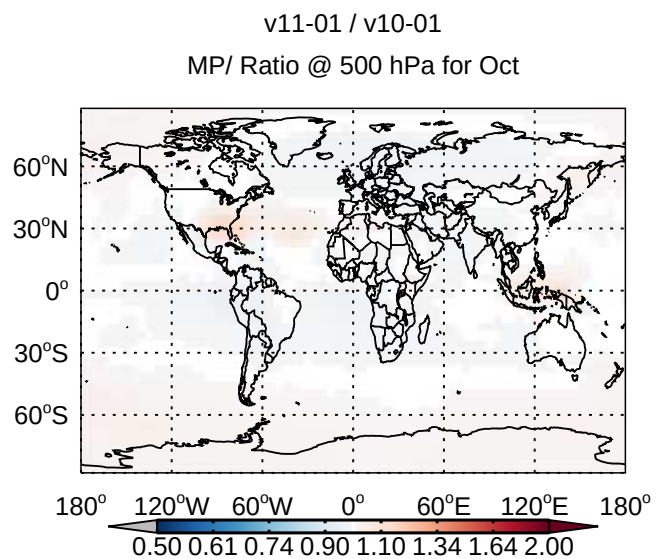
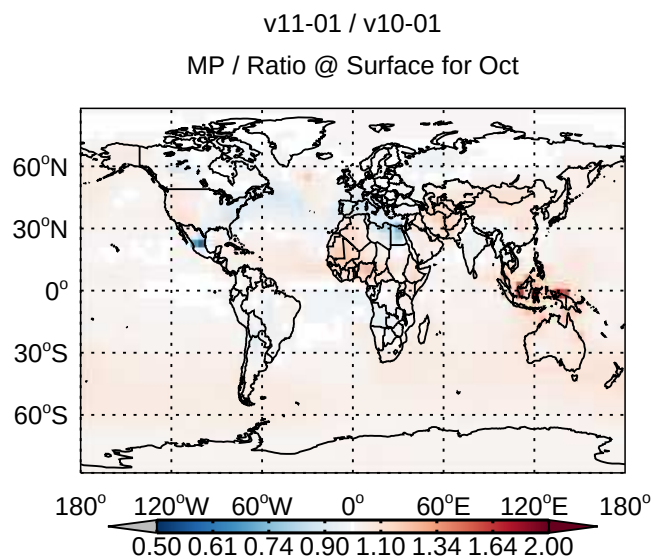
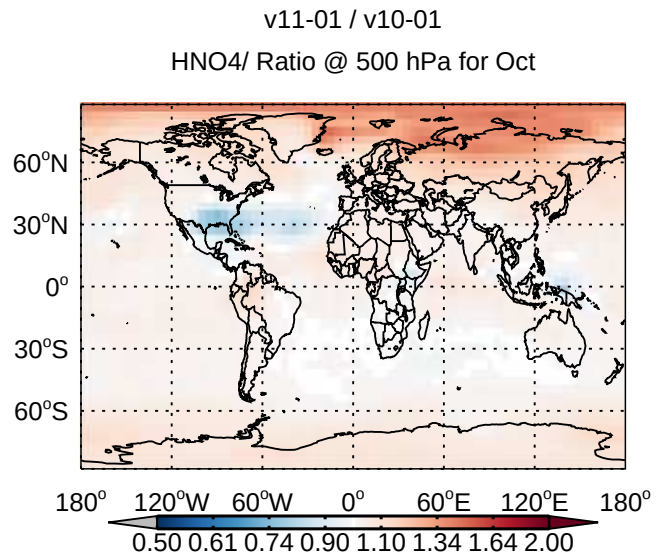
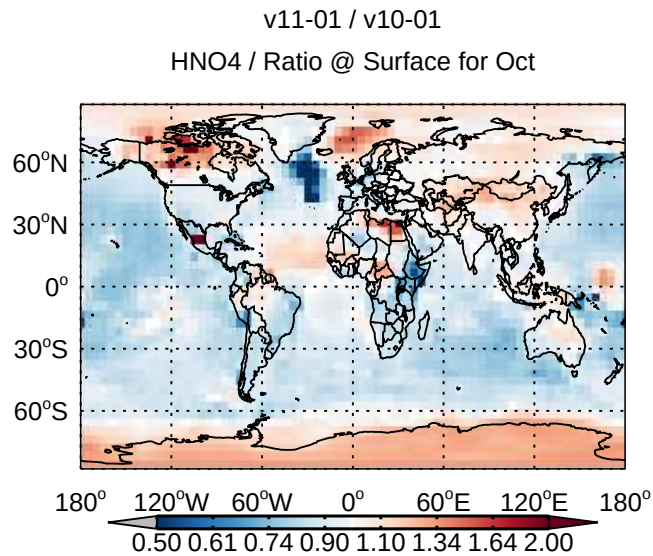
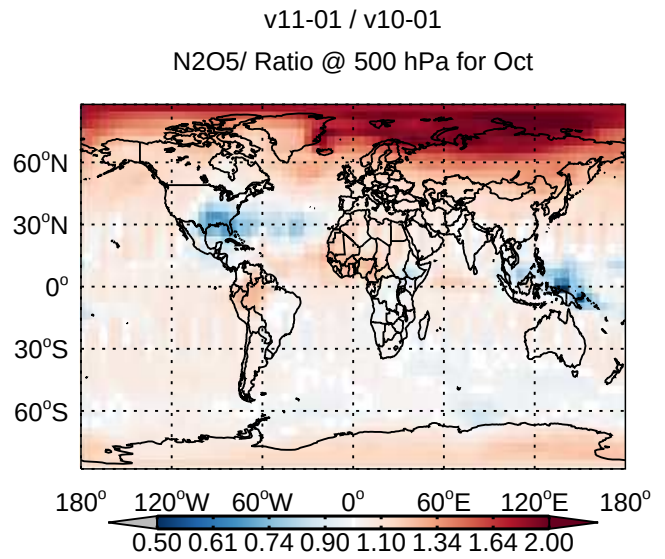
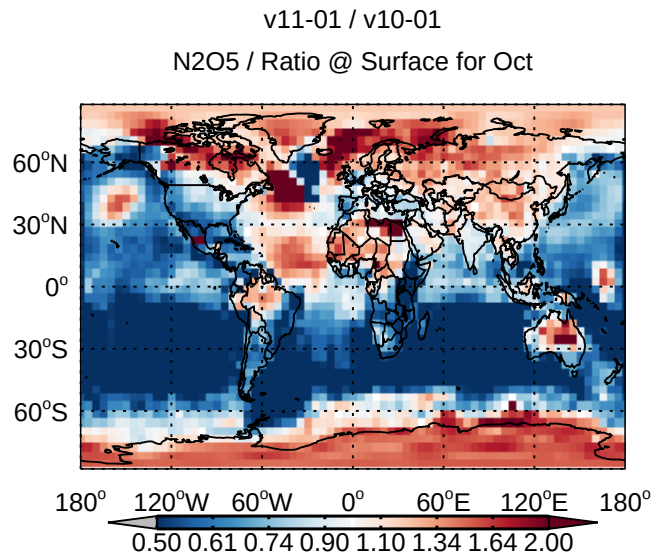
PRPE/ Ratio @ 500 hPa for Oct



GEOS-Chem Ratio Maps at surface and 500 hPa



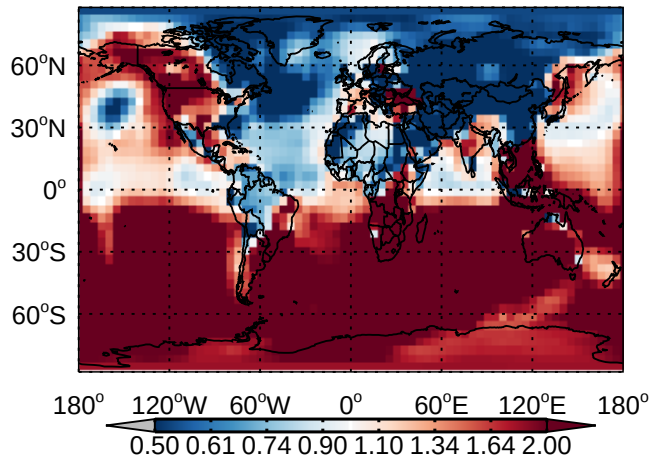
GEOS-Chem Ratio Maps at surface and 500 hPa



GEOS-Chem Ratio Maps at surface and 500 hPa

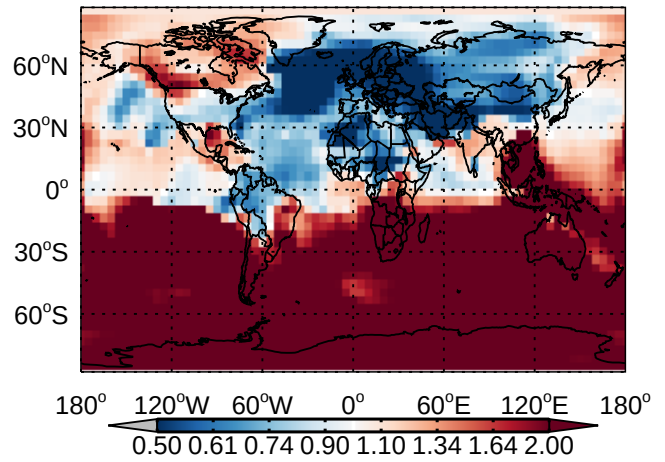
v11-01 / v10-01

DMS / Ratio @ Surface for Oct



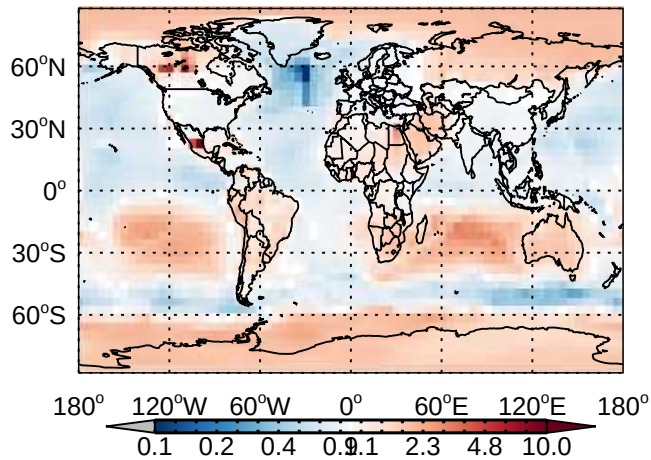
v11-01 / v10-01

DMS/ Ratio @ 500 hPa for Oct



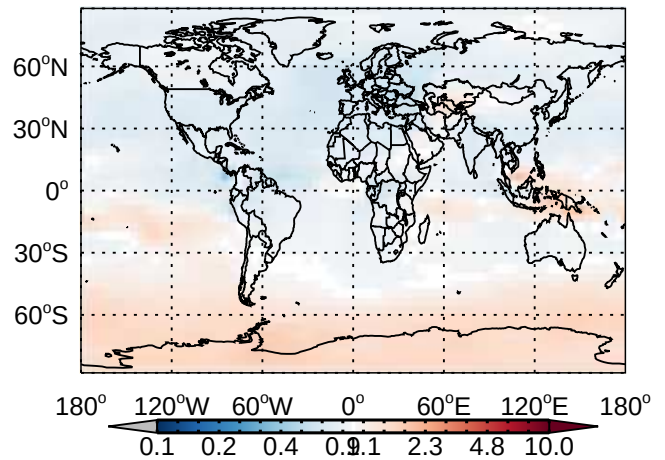
v11-01 / v10-01

SO₂ / Ratio @ Surface for Oct



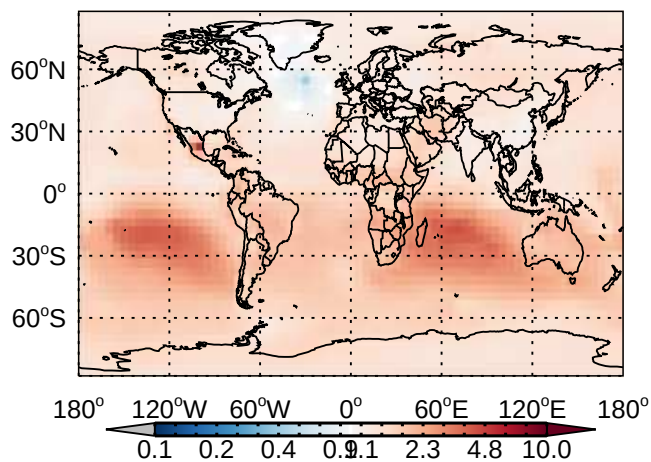
v11-01 / v10-01

SO₂/ Ratio @ 500 hPa for Oct



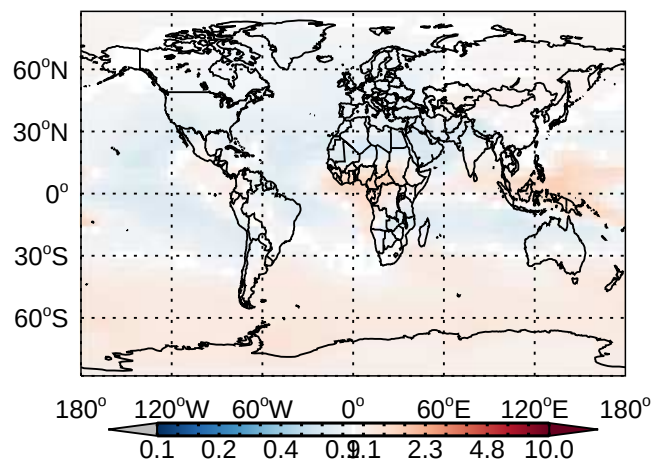
v11-01 / v10-01

SO₄ / Ratio @ Surface for Oct



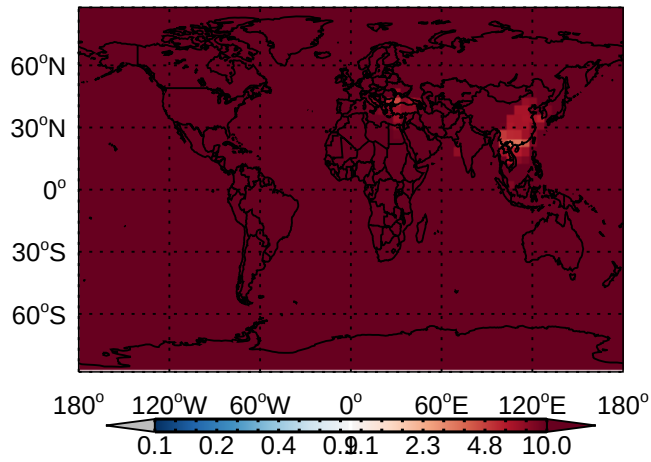
v11-01 / v10-01

SO₄/ Ratio @ 500 hPa for Oct

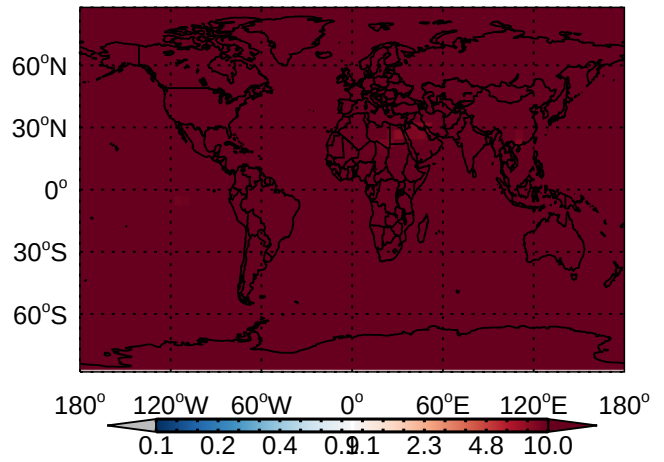


GEOS-Chem Ratio Maps at surface and 500 hPa

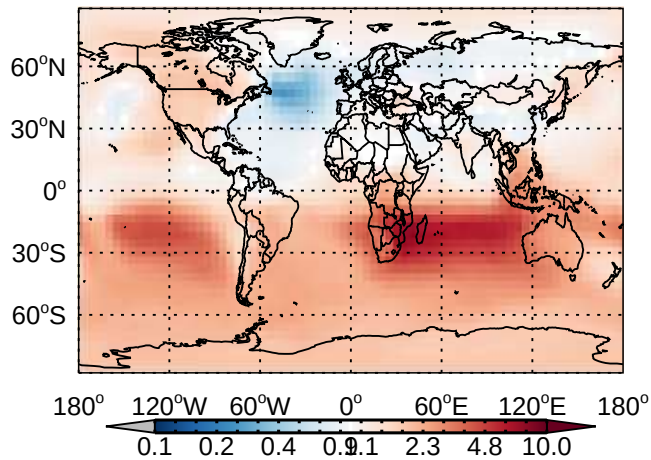
v11-01 / v10-01
SO₄s / Ratio @ Surface for Oct



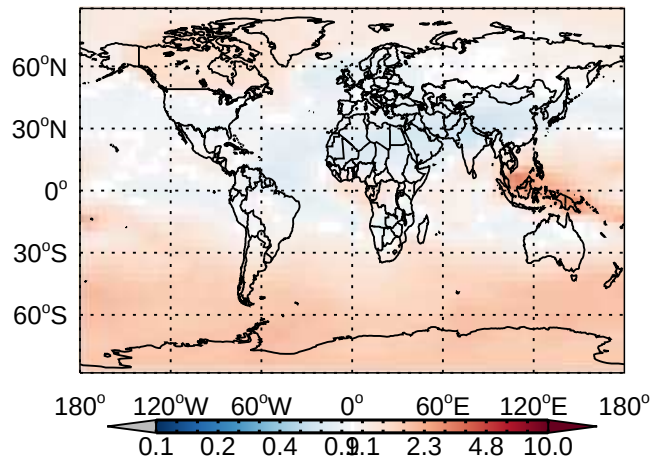
v11-01 / v10-01
SO₄s / Ratio @ 500 hPa for Oct



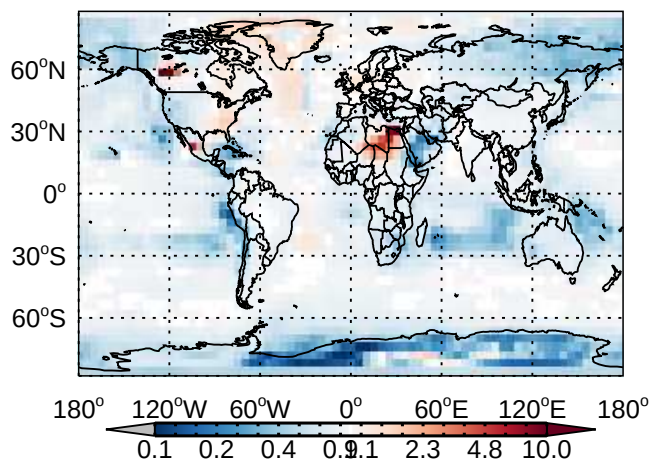
v11-01 / v10-01
MSA / Ratio @ Surface for Oct



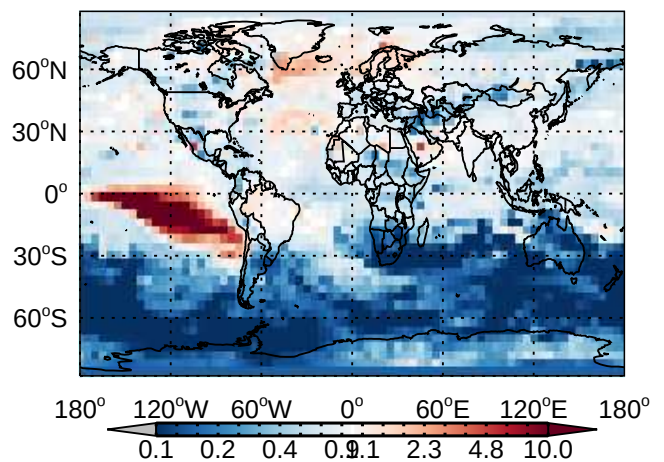
v11-01 / v10-01
MSA / Ratio @ 500 hPa for Oct



v11-01 / v10-01
NH₃ / Ratio @ Surface for Oct



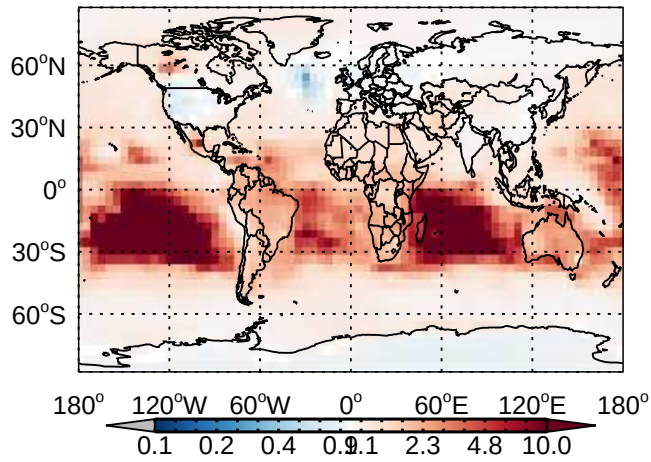
v11-01 / v10-01
NH₃ / Ratio @ 500 hPa for Oct



GEOS-Chem Ratio Maps at surface and 500 hPa

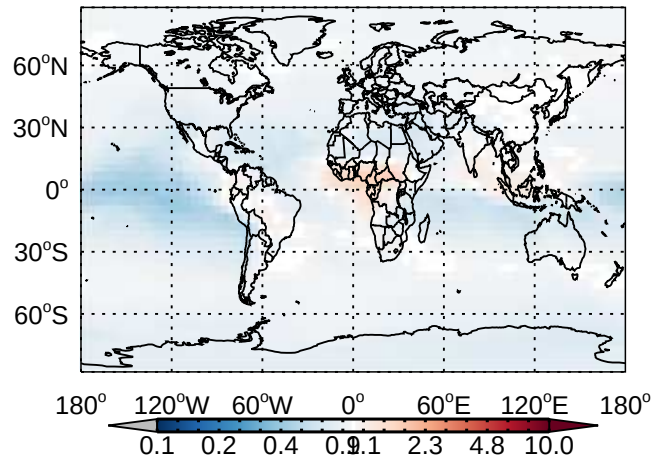
v11-01 / v10-01

NH₄ / Ratio @ Surface for Oct



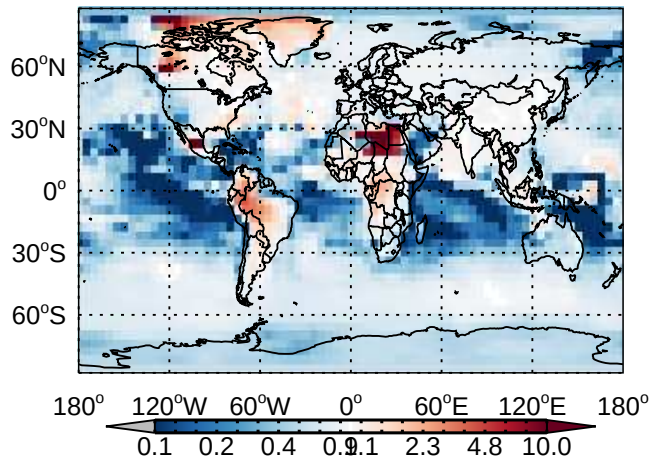
v11-01 / v10-01

NH₄/ Ratio @ 500 hPa for Oct



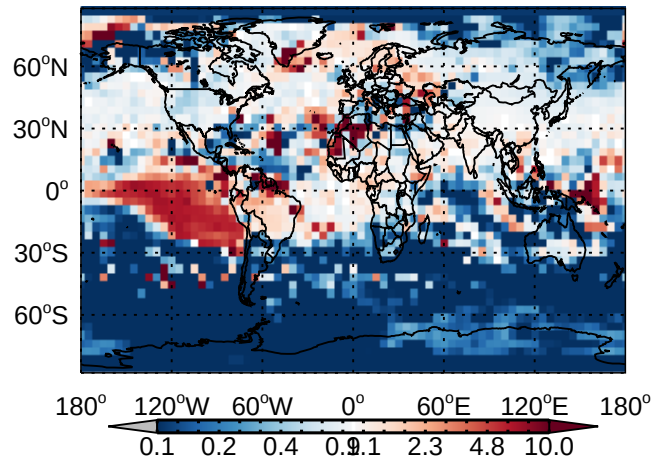
v11-01 / v10-01

NIT / Ratio @ Surface for Oct



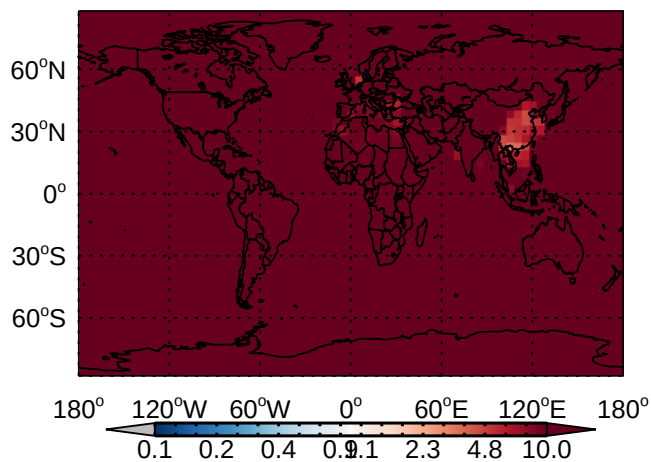
v11-01 / v10-01

NIT/ Ratio @ 500 hPa for Oct



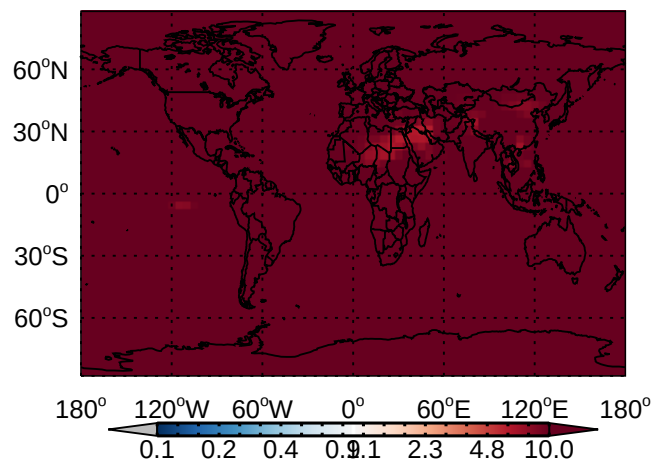
v11-01 / v10-01

NITs / Ratio @ Surface for Oct



v11-01 / v10-01

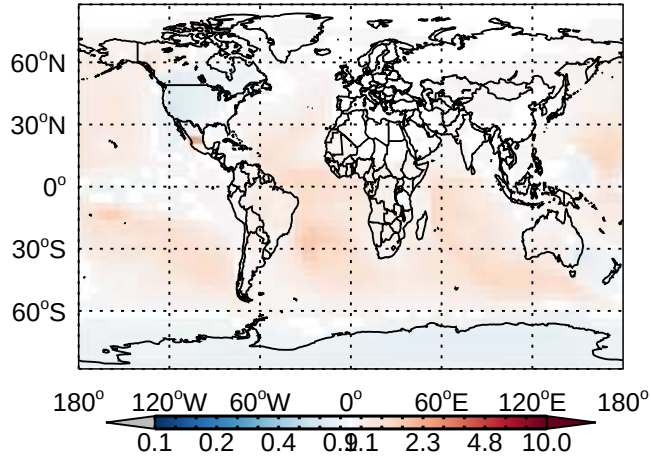
NITs/ Ratio @ 500 hPa for Oct



GEOS-Chem Ratio Maps at surface and 500 hPa

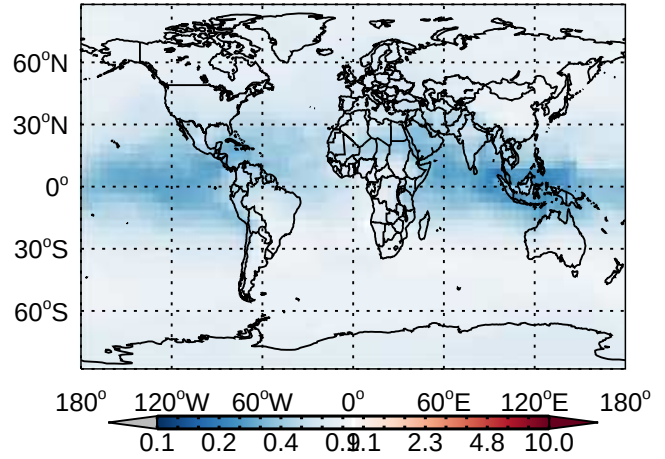
v11-01 / v10-01

BCPI / Ratio @ Surface for Oct



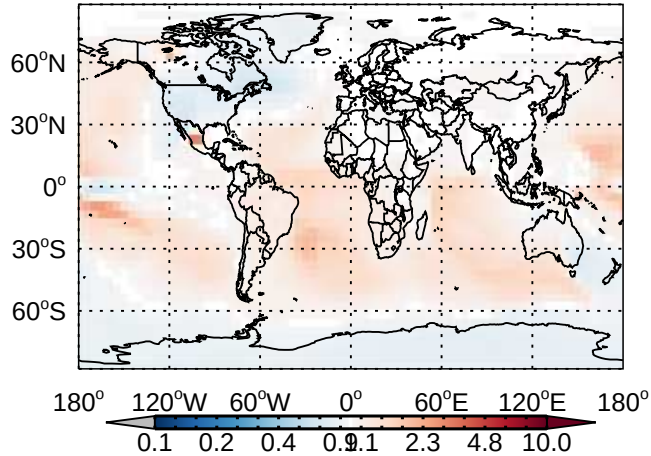
v11-01 / v10-01

BCPI/ Ratio @ 500 hPa for Oct



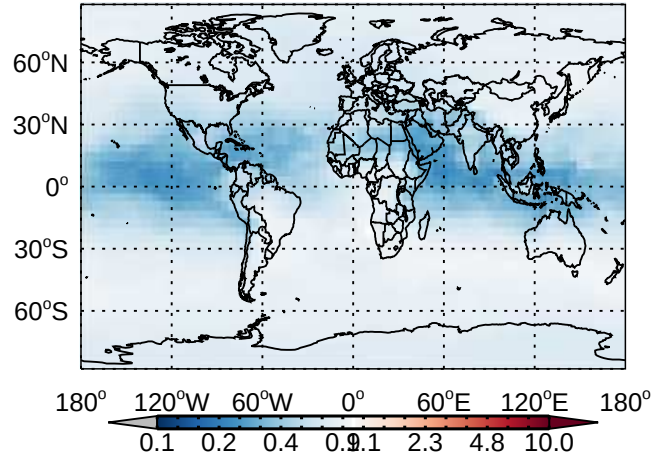
v11-01 / v10-01

OCPI / Ratio @ Surface for Oct



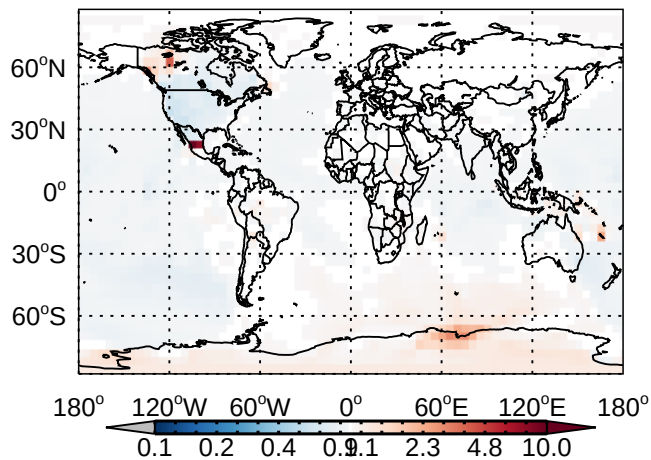
v11-01 / v10-01

OCPI/ Ratio @ 500 hPa for Oct



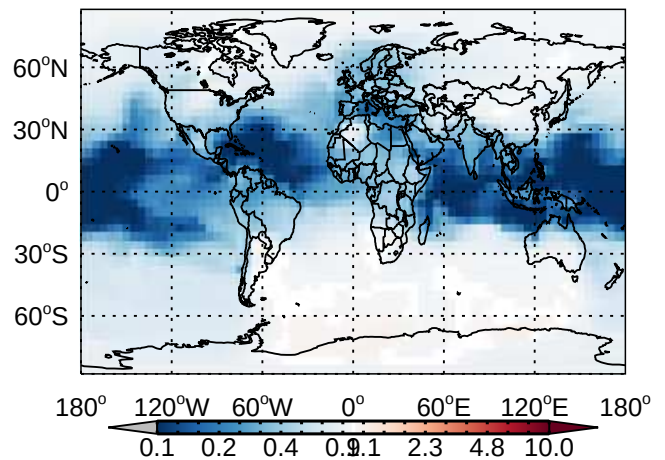
v11-01 / v10-01

BCPO / Ratio @ Surface for Oct



v11-01 / v10-01

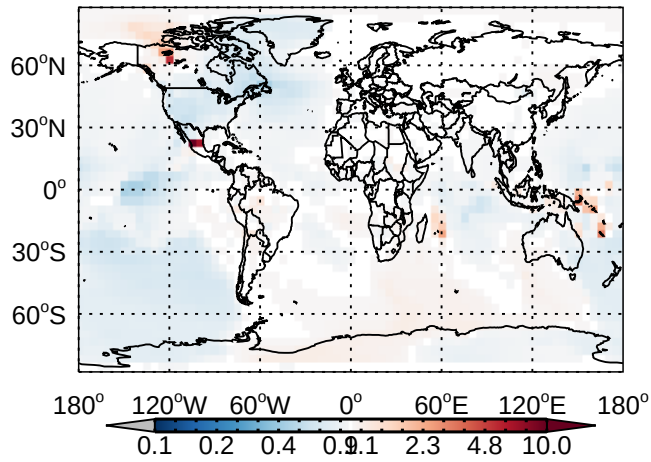
BCPO/ Ratio @ 500 hPa for Oct



GEOS-Chem Ratio Maps at surface and 500 hPa

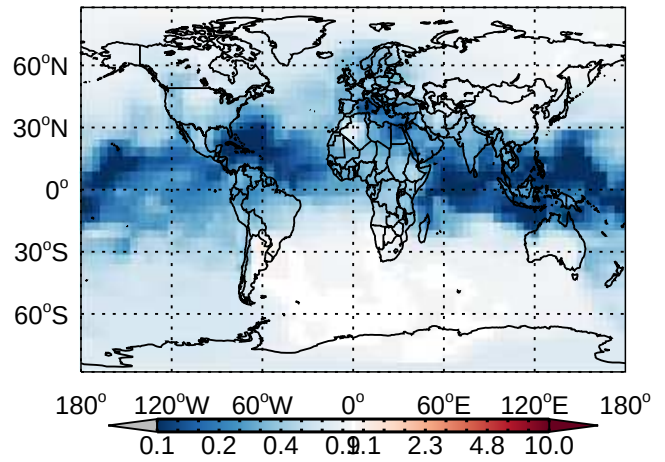
v11-01 / v10-01

OCPO / Ratio @ Surface for Oct



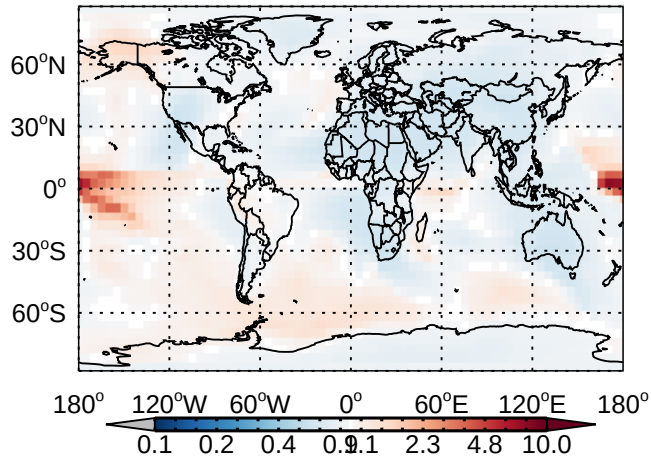
v11-01 / v10-01

OCPO/ Ratio @ 500 hPa for Oct



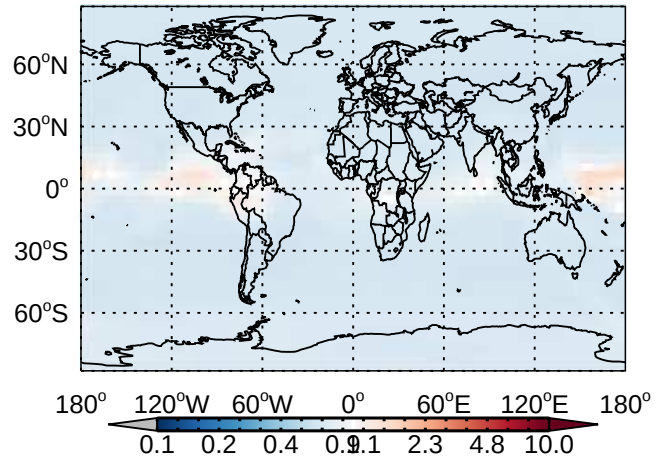
v11-01 / v10-01

DST1 / Ratio @ Surface for Oct



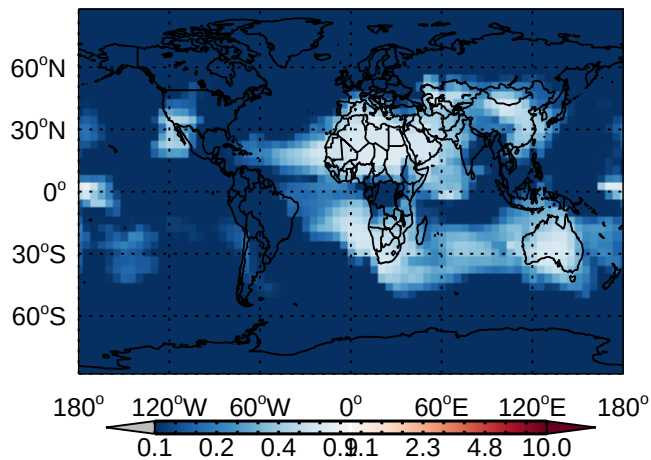
v11-01 / v10-01

DST1/ Ratio @ 500 hPa for Oct



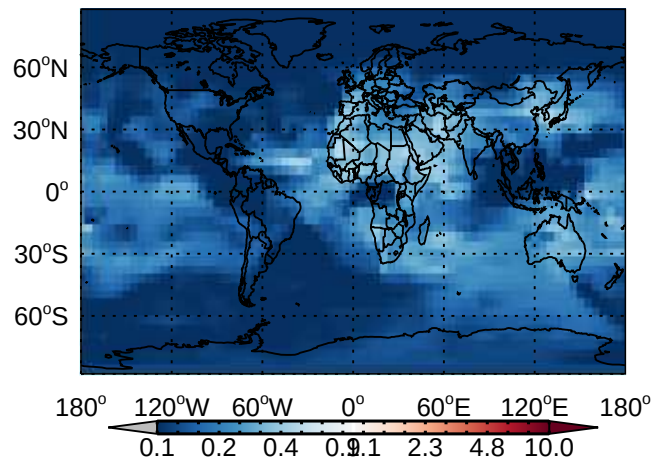
v11-01 / v10-01

DST2 / Ratio @ Surface for Oct



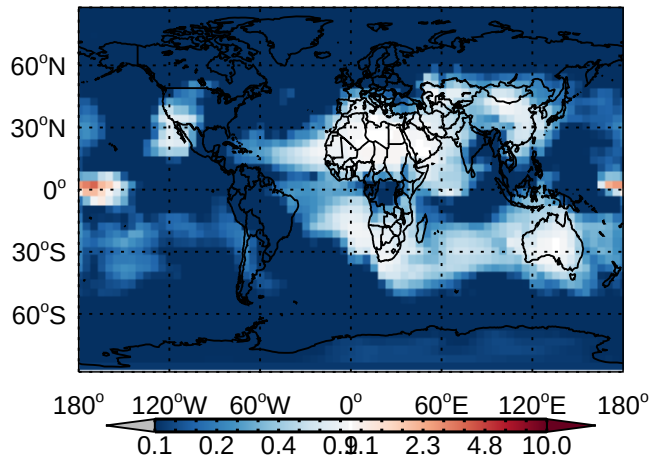
v11-01 / v10-01

DST2/ Ratio @ 500 hPa for Oct

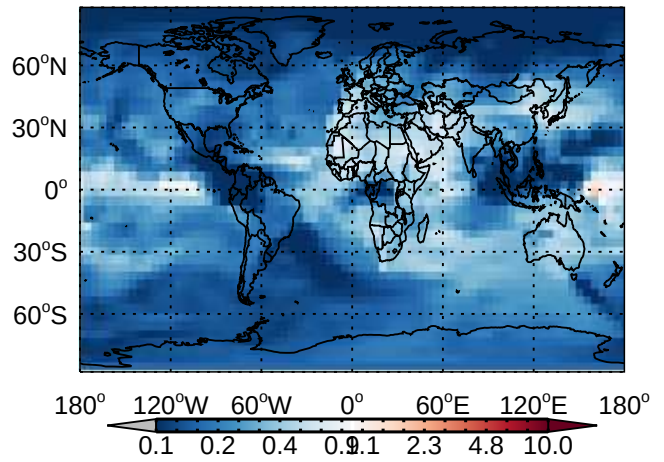


GEOS-Chem Ratio Maps at surface and 500 hPa

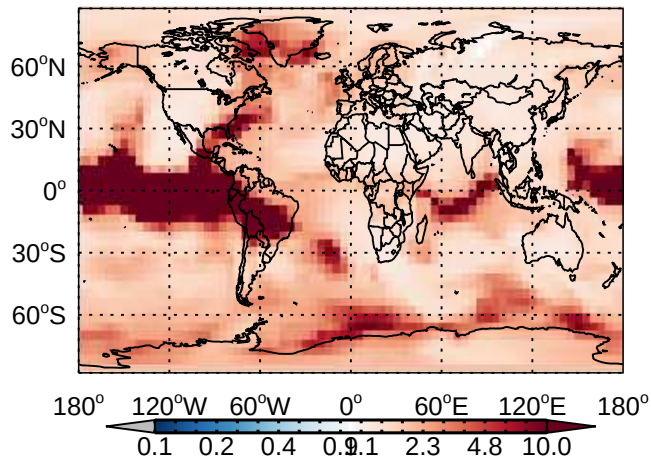
v11-01 / v10-01
DST3 / Ratio @ Surface for Oct



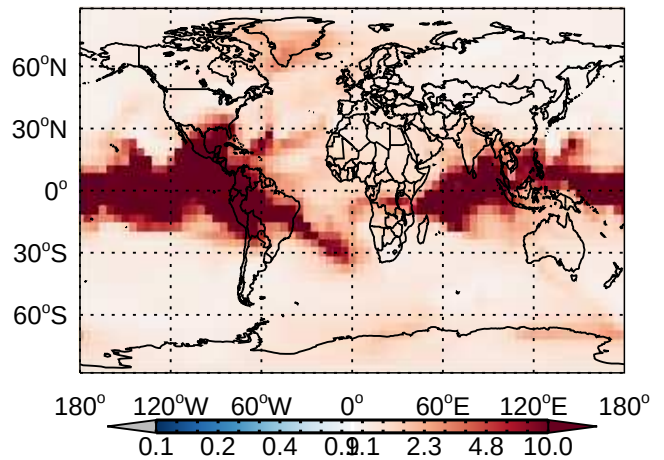
v11-01 / v10-01
DST3/ Ratio @ 500 hPa for Oct



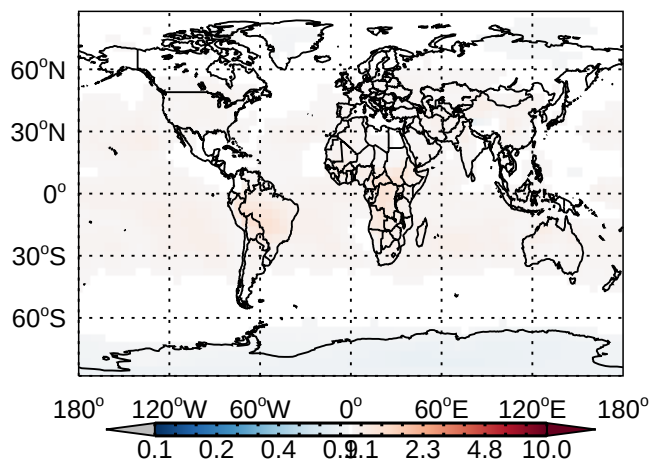
v11-01 / v10-01
DST4 / Ratio @ Surface for Oct



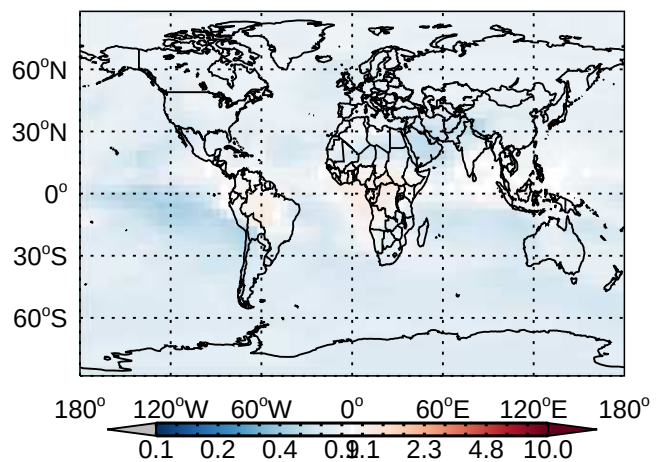
v11-01 / v10-01
DST4/ Ratio @ 500 hPa for Oct



v11-01 / v10-01
SALA / Ratio @ Surface for Oct



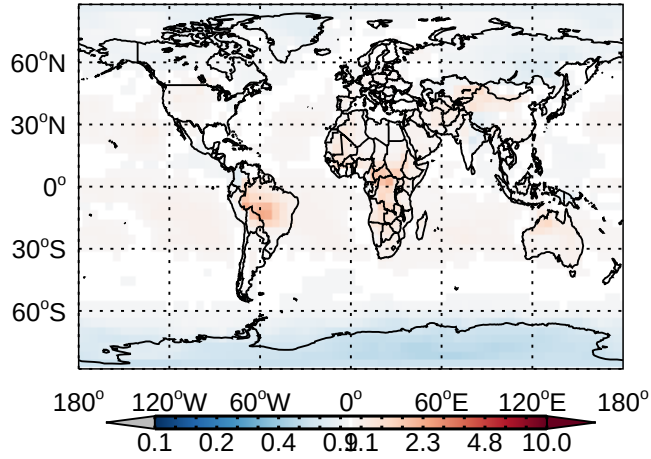
v11-01 / v10-01
SALA/ Ratio @ 500 hPa for Oct



GEOS-Chem Ratio Maps at surface and 500 hPa

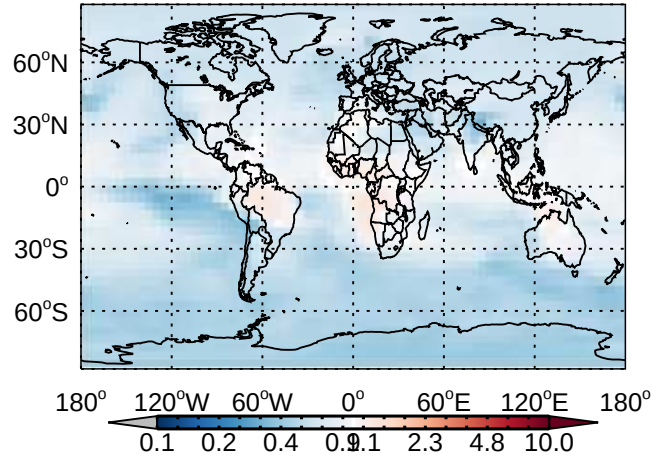
v11-01 / v10-01

SALC / Ratio @ Surface for Oct



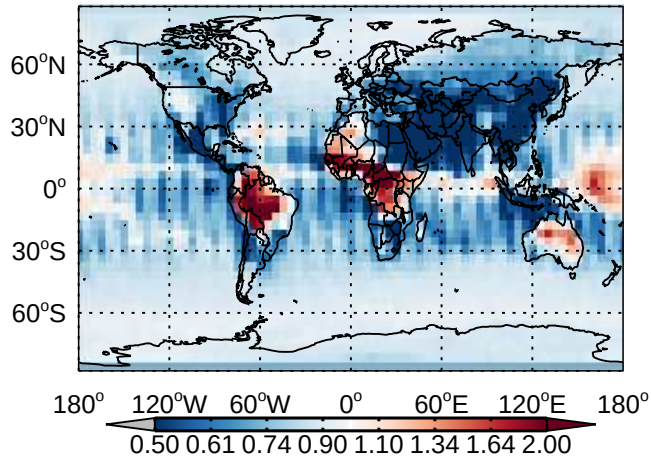
v11-01 / v10-01

SALC/ Ratio @ 500 hPa for Oct



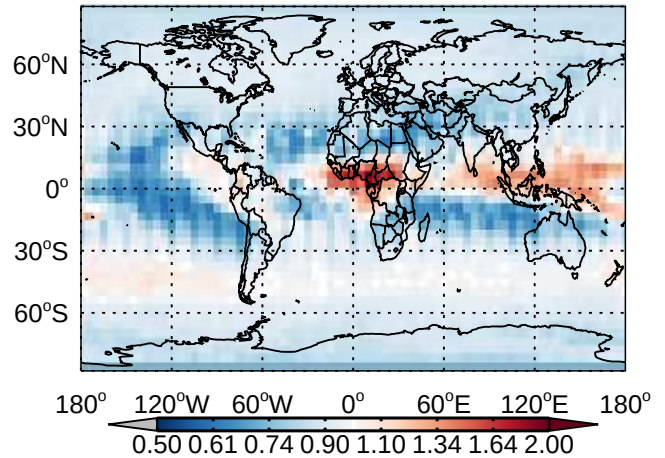
v11-01 / v10-01

Br2 / Ratio @ Surface for Oct



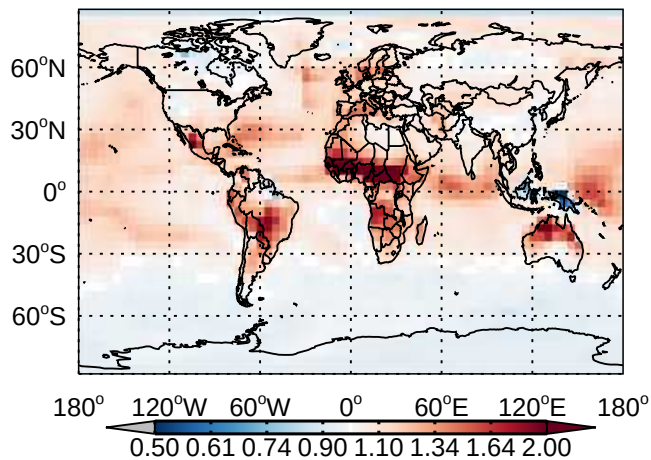
v11-01 / v10-01

Br2/ Ratio @ 500 hPa for Oct



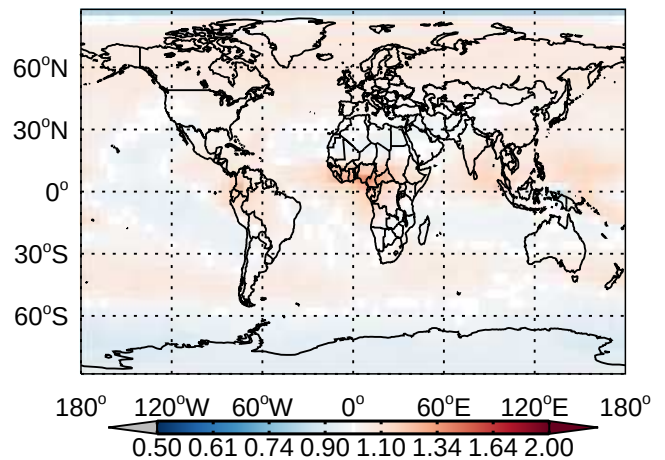
v11-01 / v10-01

Br / Ratio @ Surface for Oct



v11-01 / v10-01

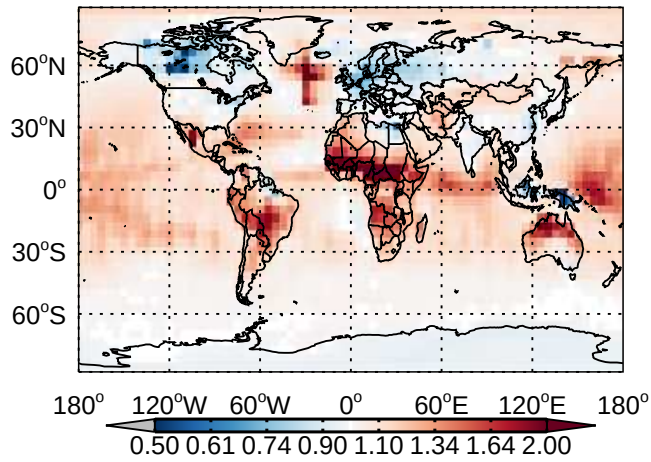
Br/ Ratio @ 500 hPa for Oct



GEOS-Chem Ratio Maps at surface and 500 hPa

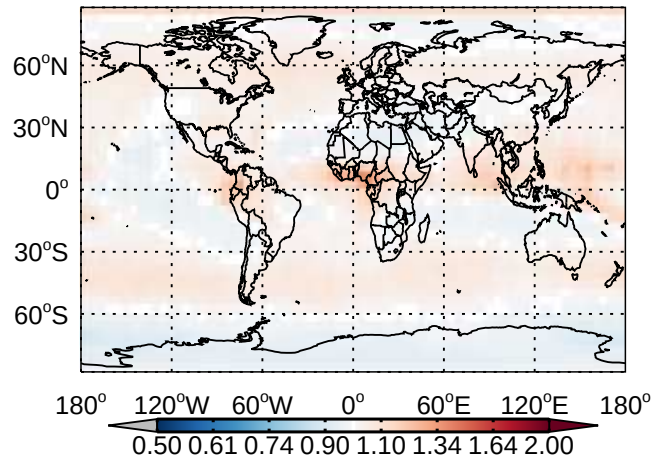
v11-01 / v10-01

BrO / Ratio @ Surface for Oct



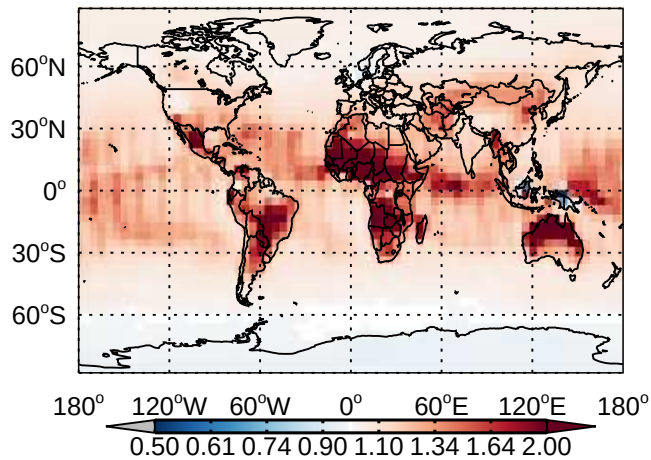
v11-01 / v10-01

BrO/ Ratio @ 500 hPa for Oct



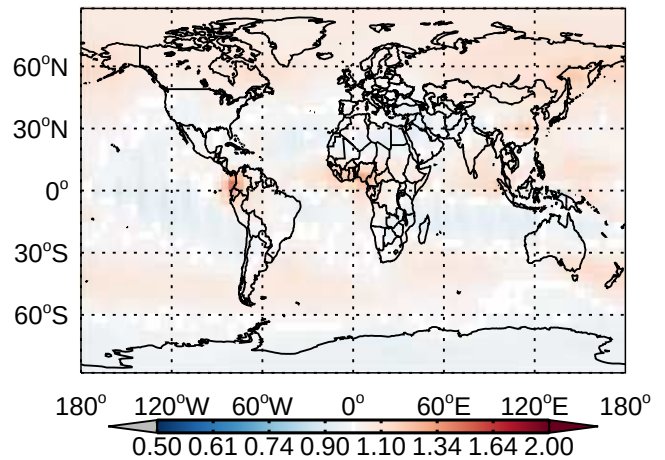
v11-01 / v10-01

HOBr / Ratio @ Surface for Oct



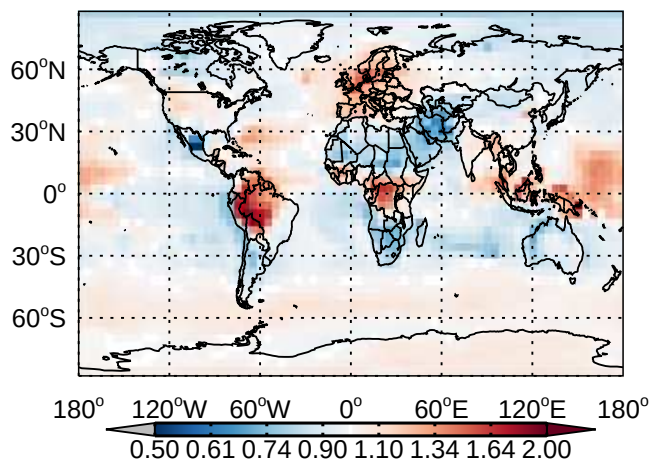
v11-01 / v10-01

HOBr/ Ratio @ 500 hPa for Oct



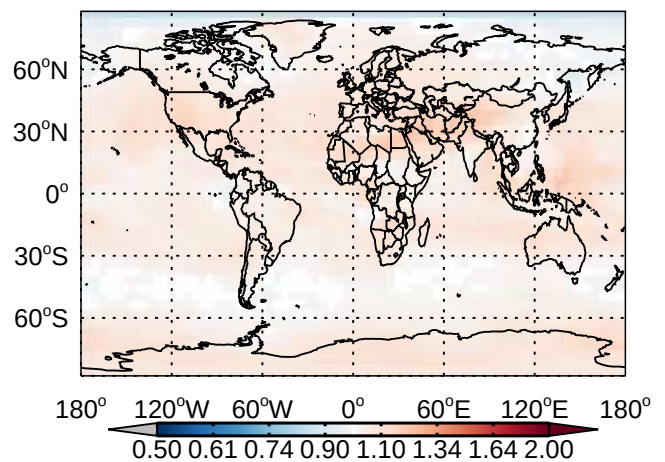
v11-01 / v10-01

HBr / Ratio @ Surface for Oct

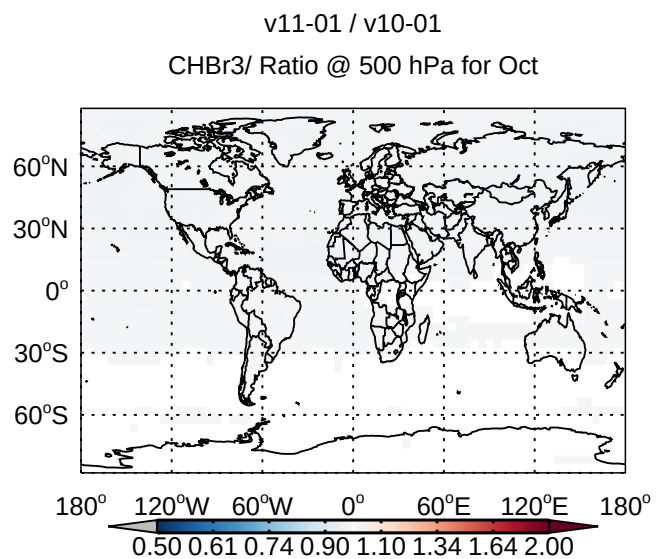
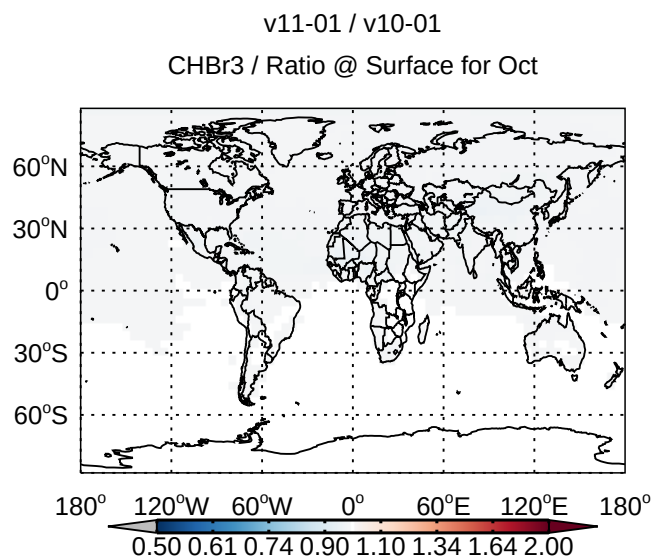
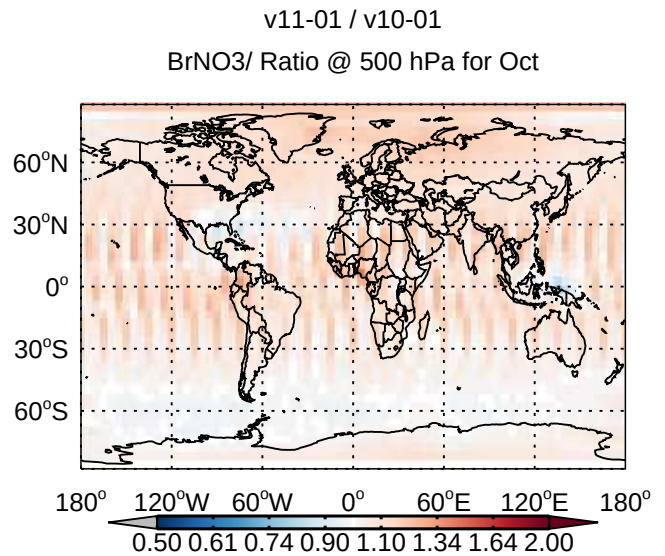
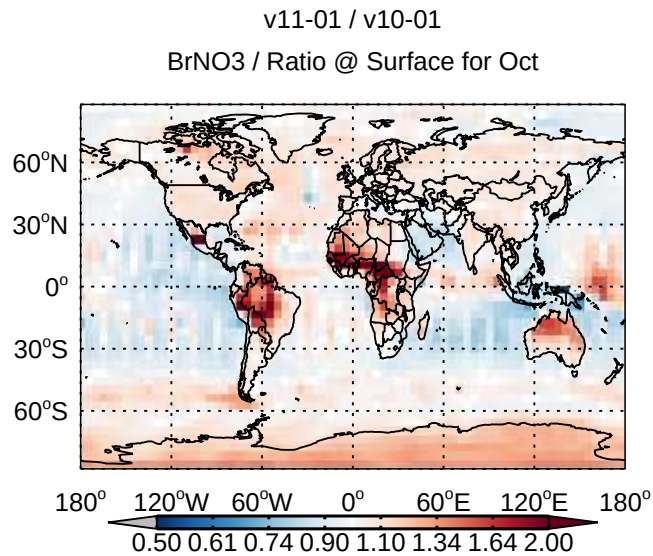
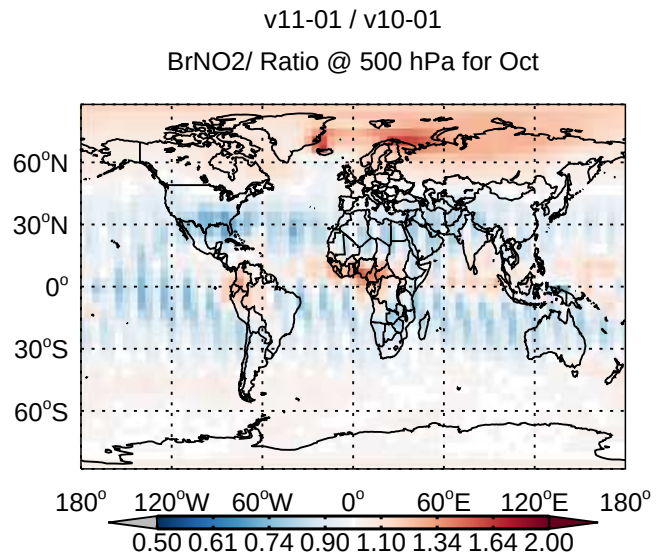
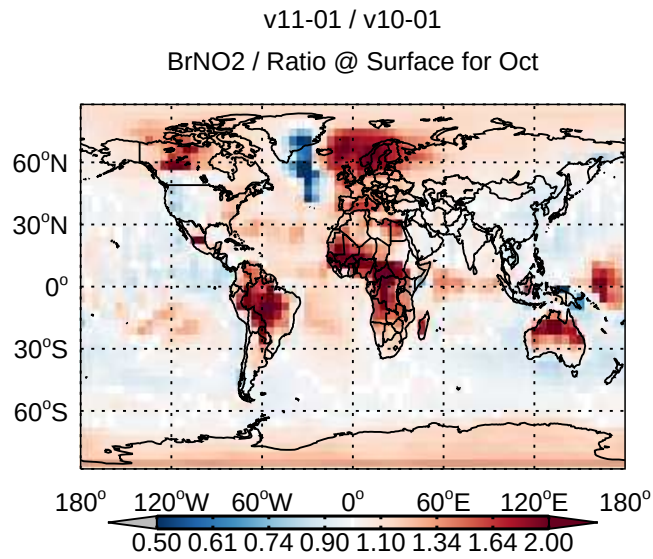


v11-01 / v10-01

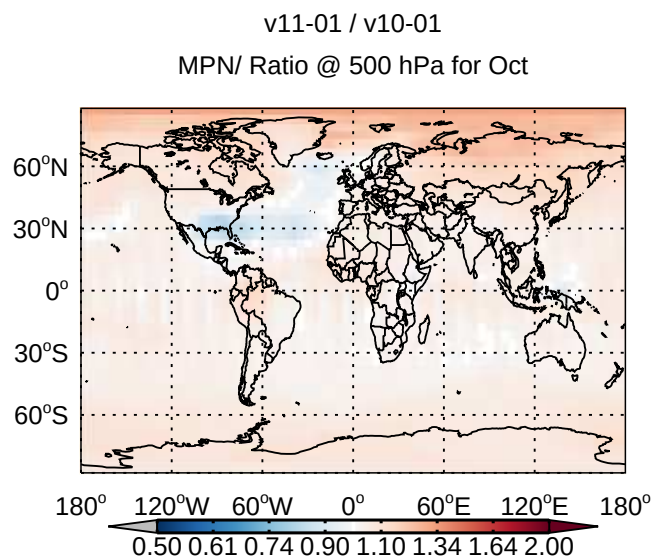
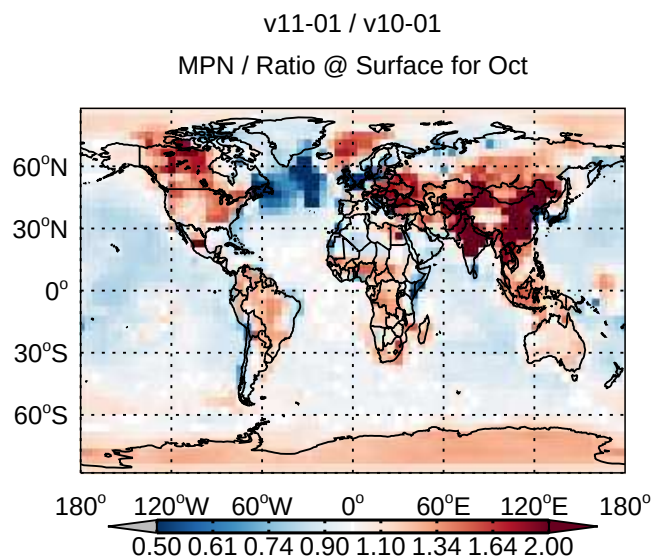
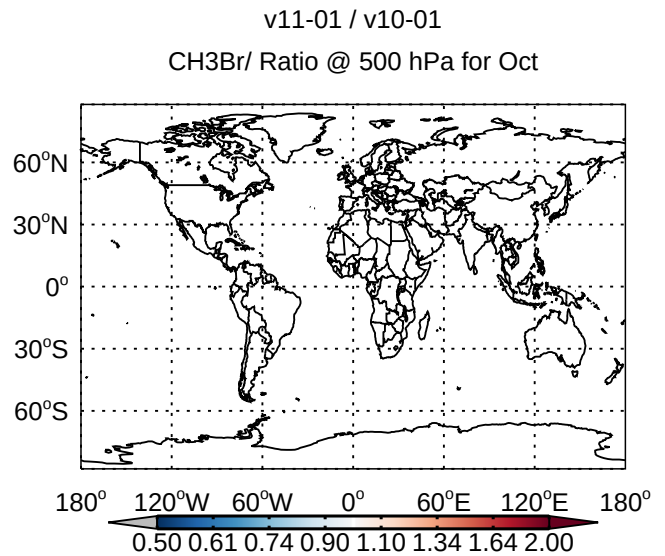
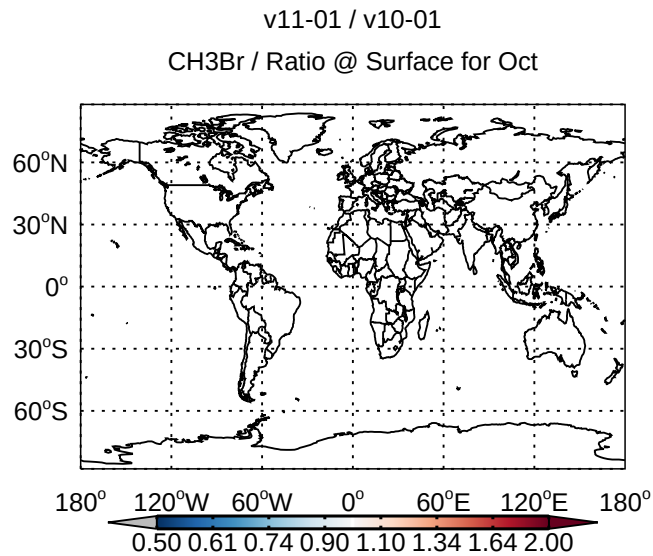
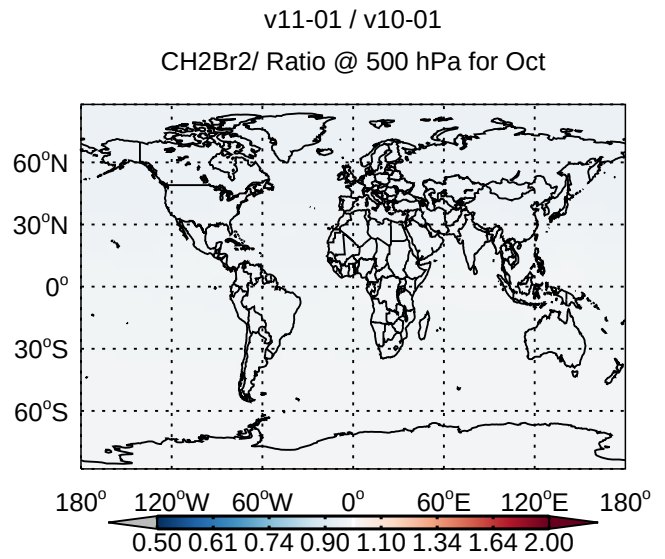
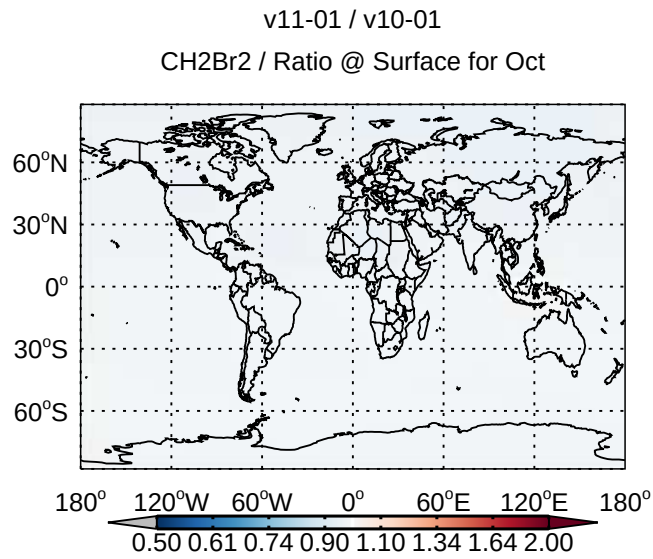
HBr/ Ratio @ 500 hPa for Oct



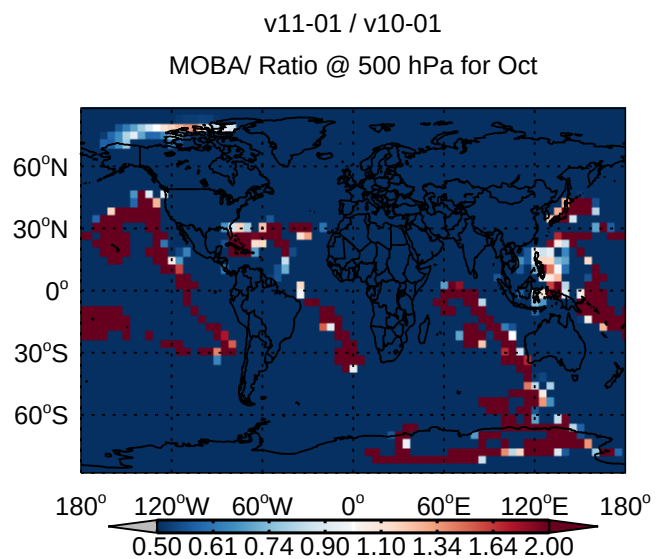
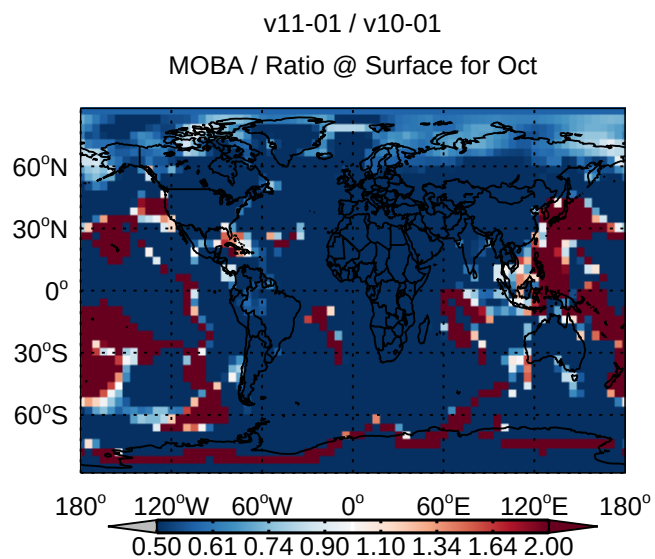
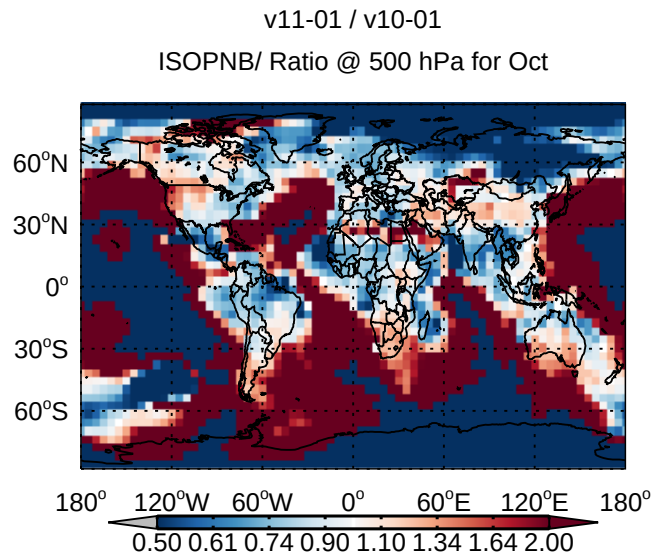
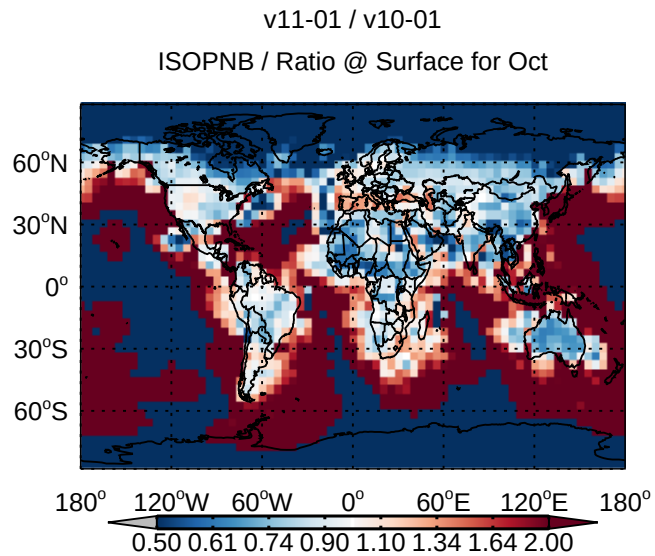
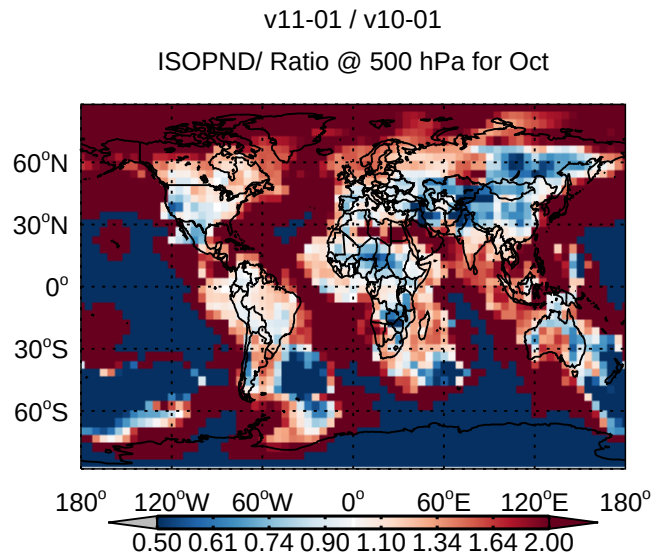
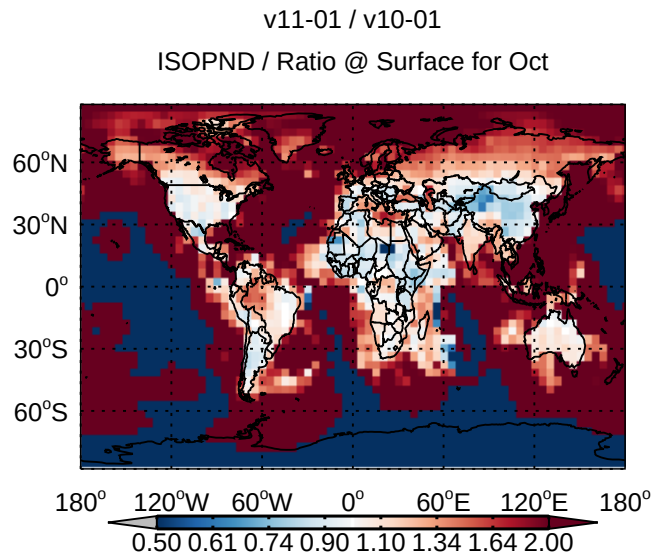
GEOS-Chem Ratio Maps at surface and 500 hPa



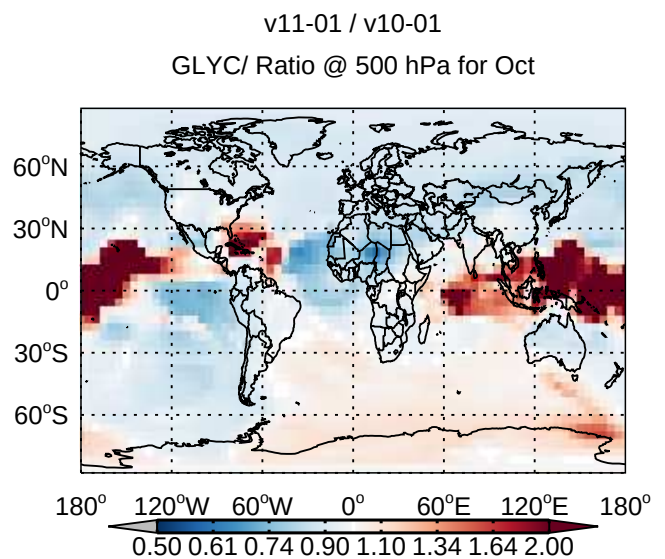
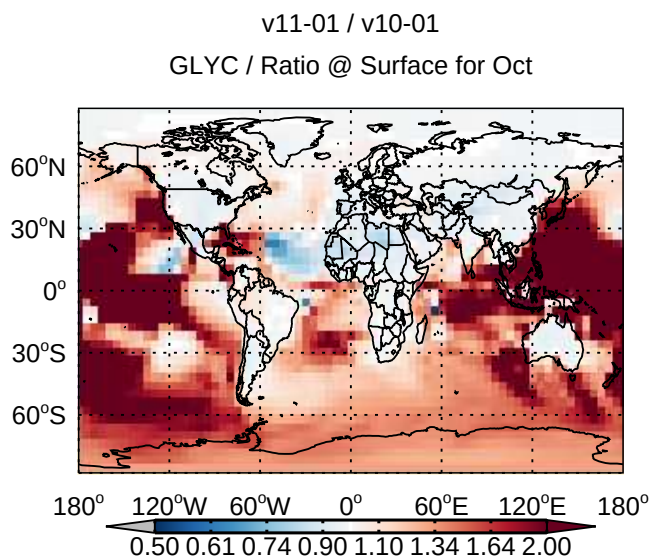
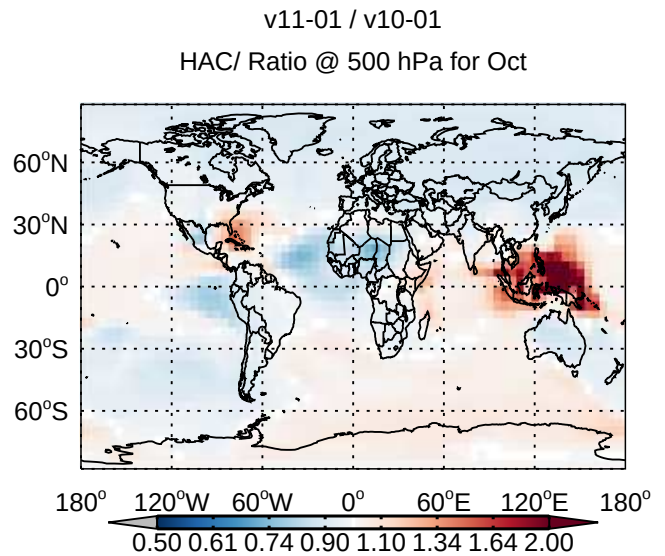
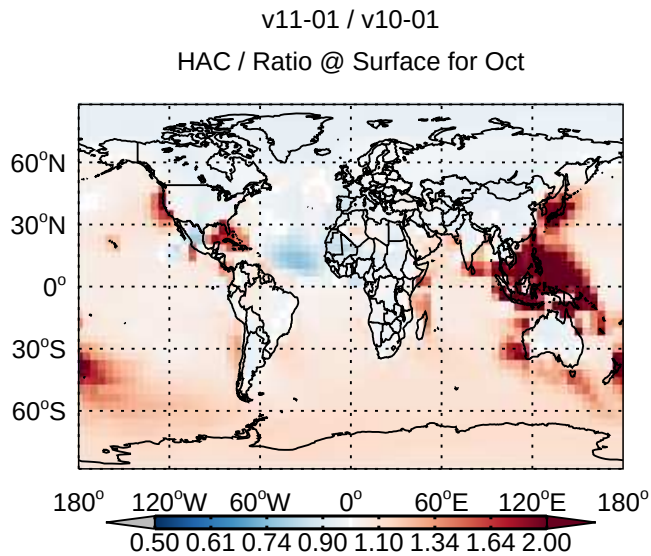
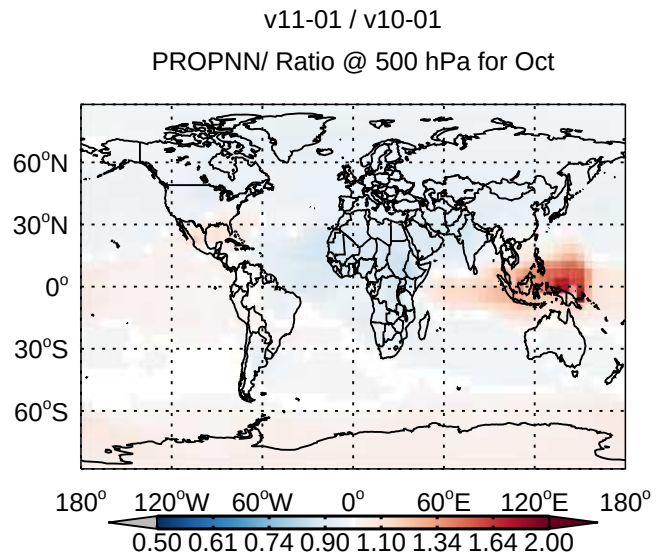
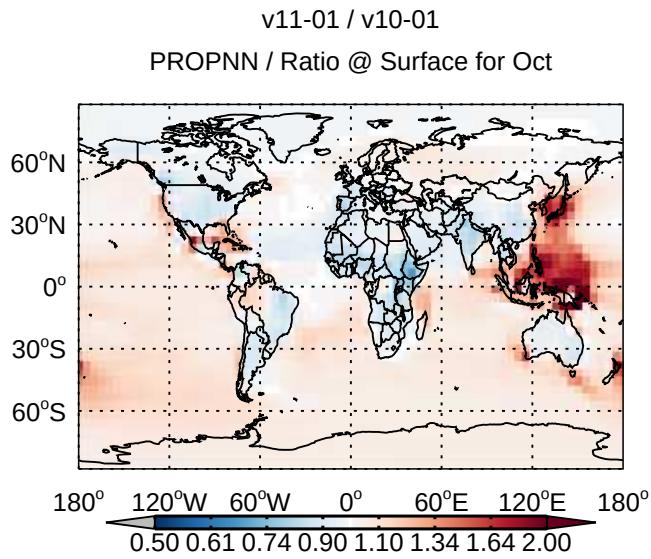
GEOS-Chem Ratio Maps at surface and 500 hPa



GEOS-Chem Ratio Maps at surface and 500 hPa



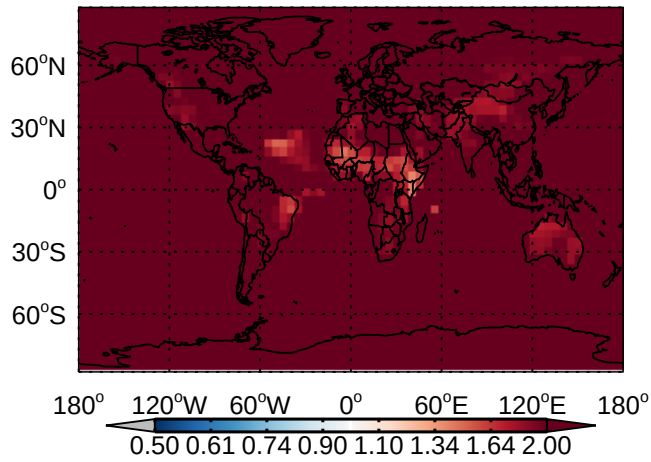
GEOS-Chem Ratio Maps at surface and 500 hPa



GEOS-Chem Ratio Maps at surface and 500 hPa

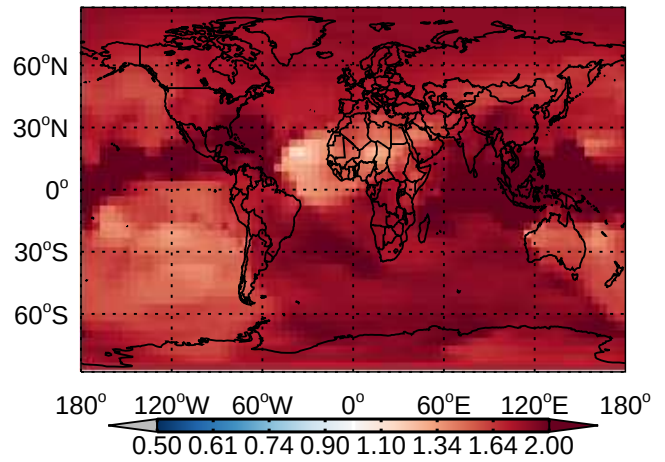
v11-01 / v10-01

MVKN / Ratio @ Surface for Oct



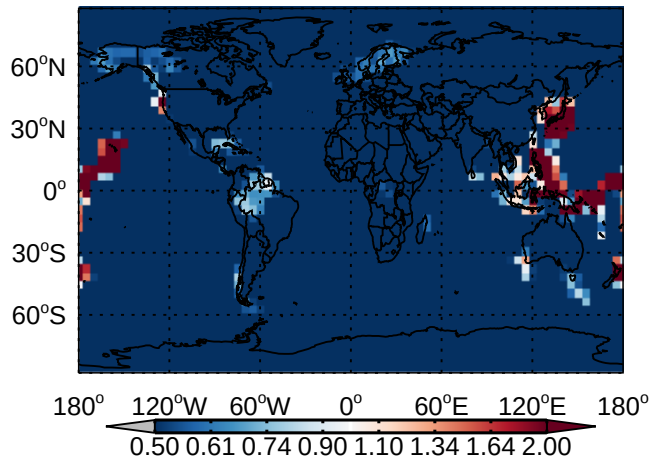
v11-01 / v10-01

MVKN/ Ratio @ 500 hPa for Oct



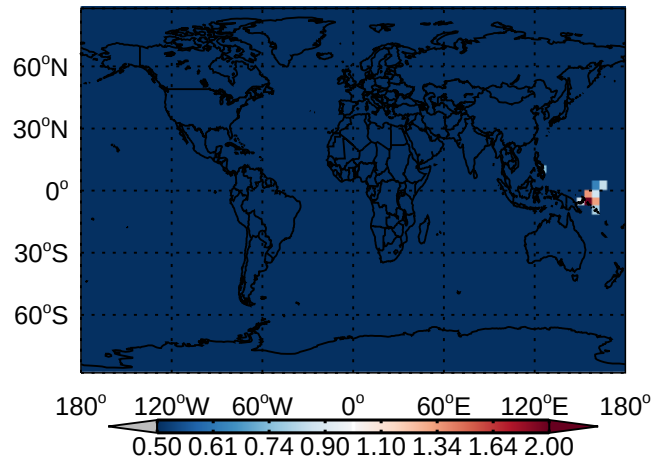
v11-01 / v10-01

MACRN / Ratio @ Surface for Oct



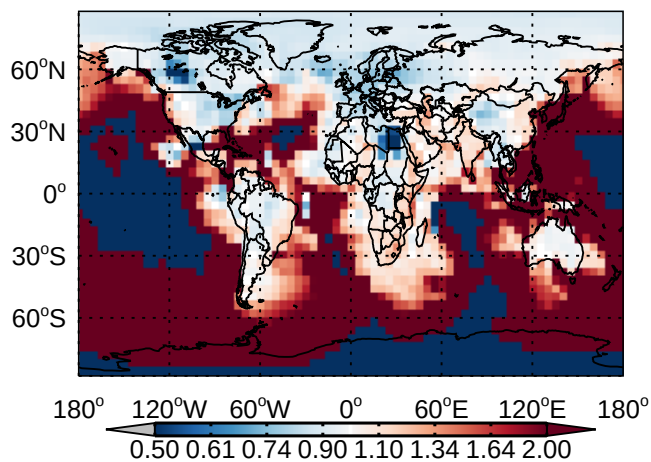
v11-01 / v10-01

MACRN/ Ratio @ 500 hPa for Oct



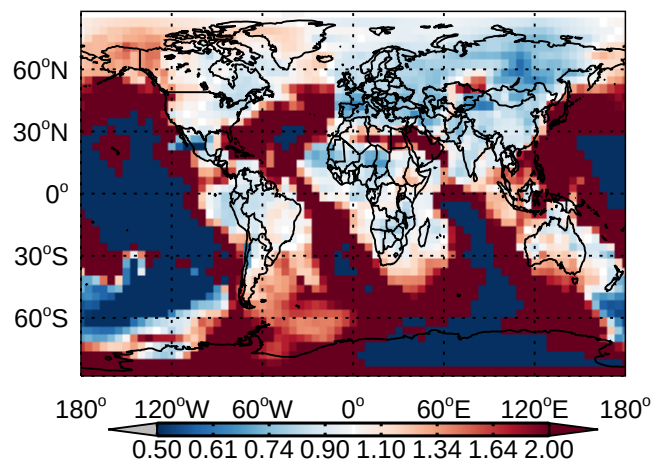
v11-01 / v10-01

RIP / Ratio @ Surface for Oct

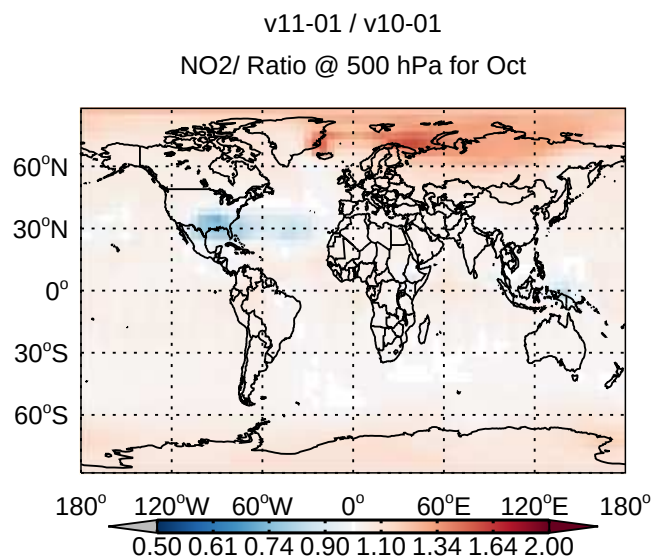
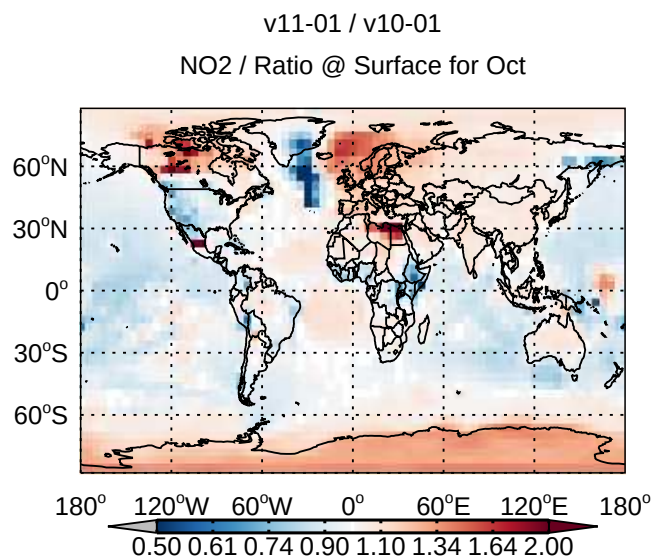
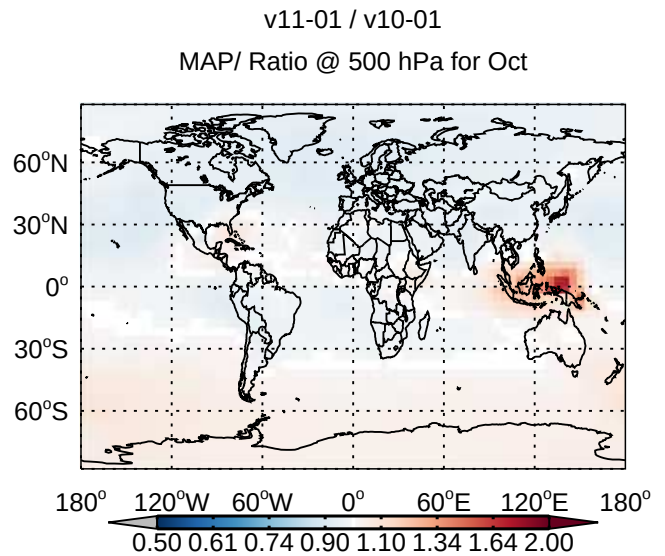
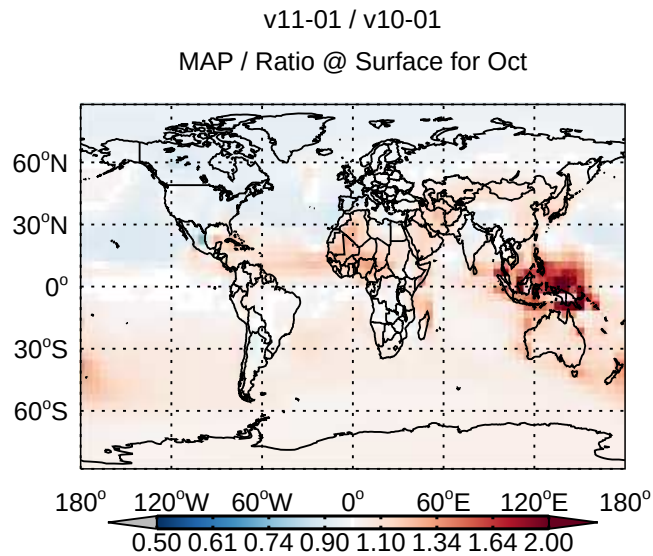
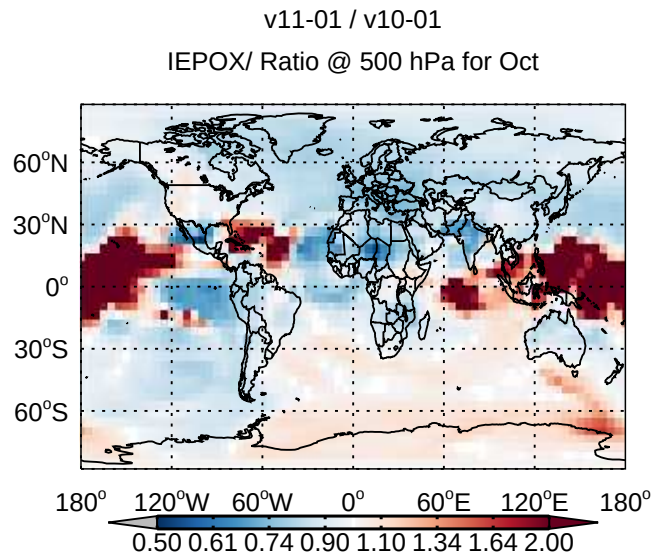
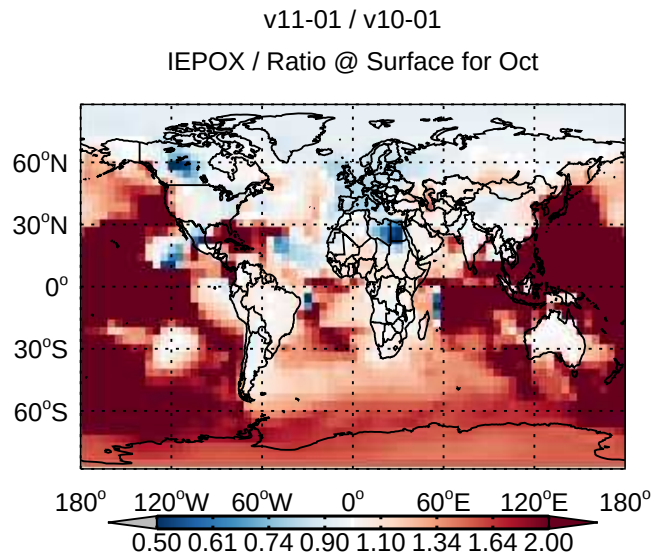


v11-01 / v10-01

RIP/ Ratio @ 500 hPa for Oct



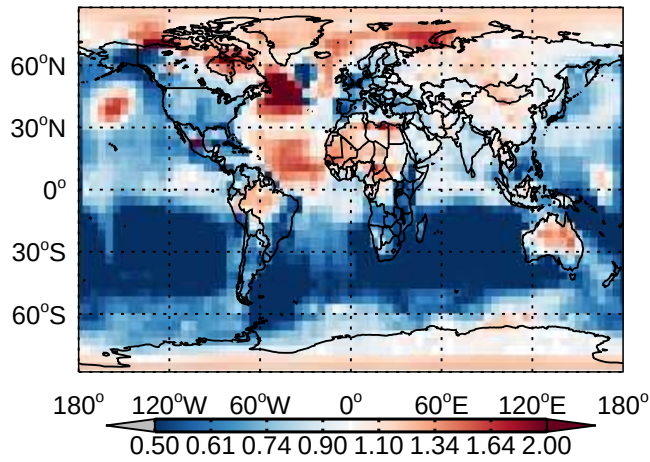
GEOS-Chem Ratio Maps at surface and 500 hPa



GEOS-Chem Ratio Maps at surface and 500 hPa

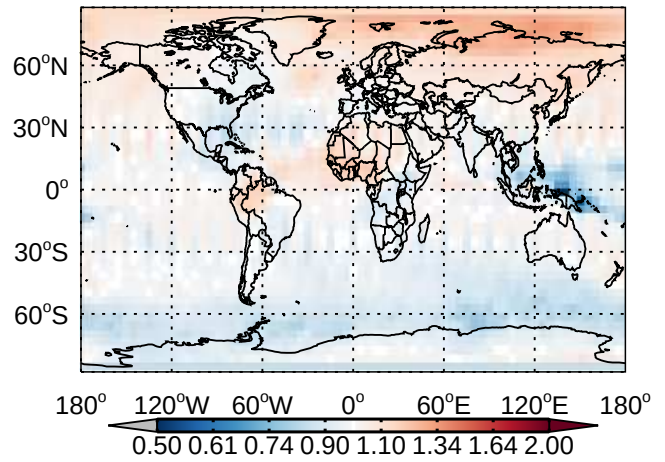
v11-01 / v10-01

NO₃ / Ratio @ Surface for Oct



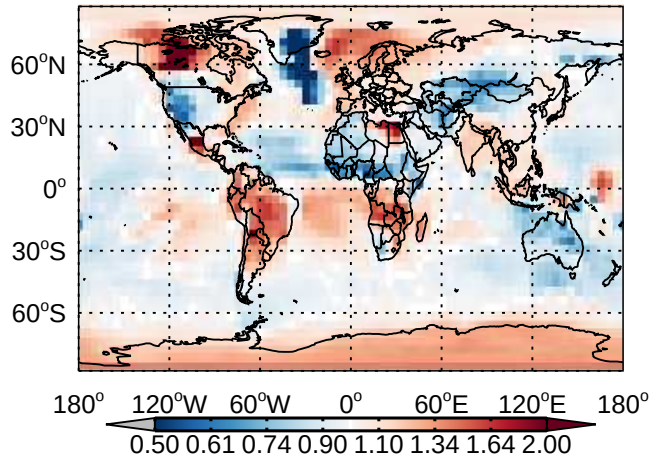
v11-01 / v10-01

NO₃ / Ratio @ 500 hPa for Oct



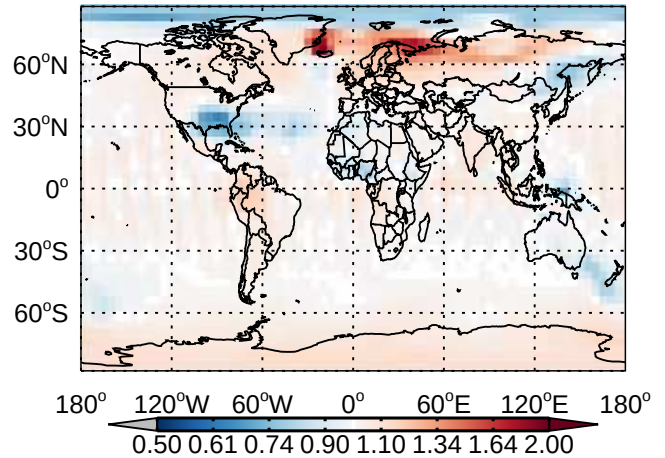
v11-01 / v10-01

HNO₂ / Ratio @ Surface for Oct



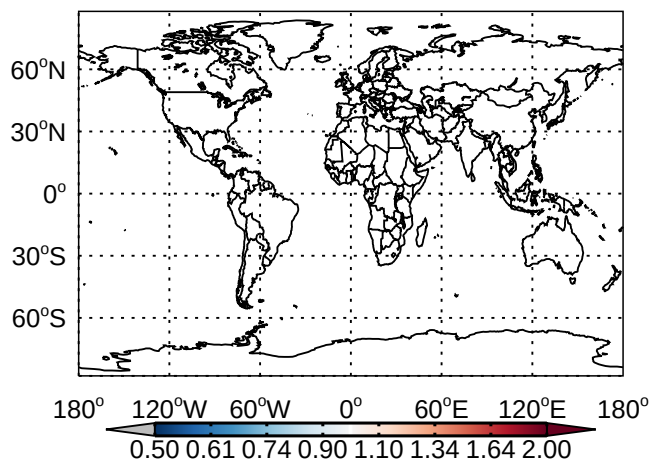
v11-01 / v10-01

HNO₂ / Ratio @ 500 hPa for Oct



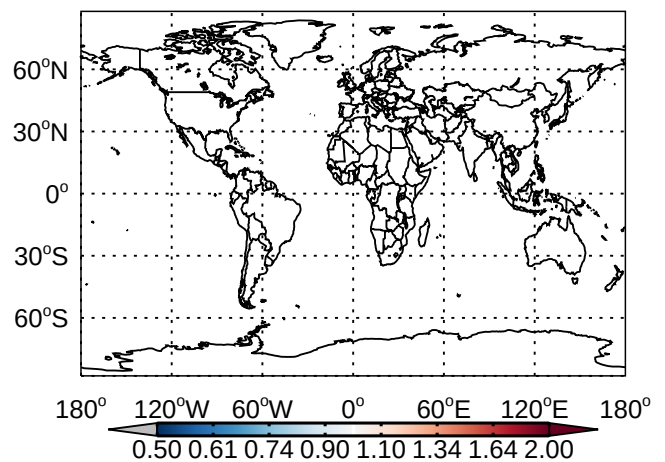
v11-01 / v10-01

N₂O / Ratio @ Surface for Oct



v11-01 / v10-01

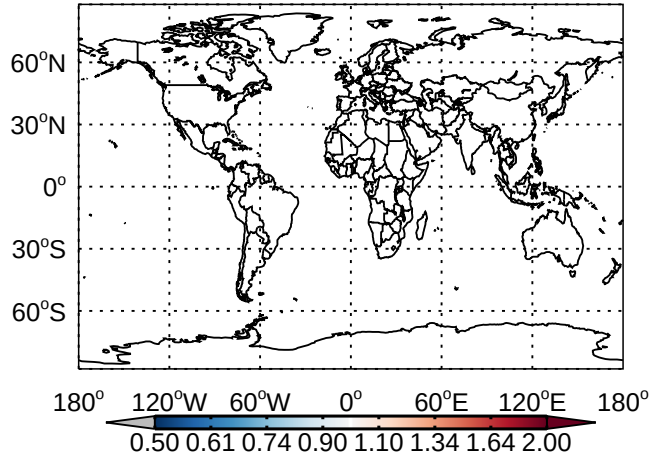
N₂O / Ratio @ 500 hPa for Oct



GEOS-Chem Ratio Maps at surface and 500 hPa

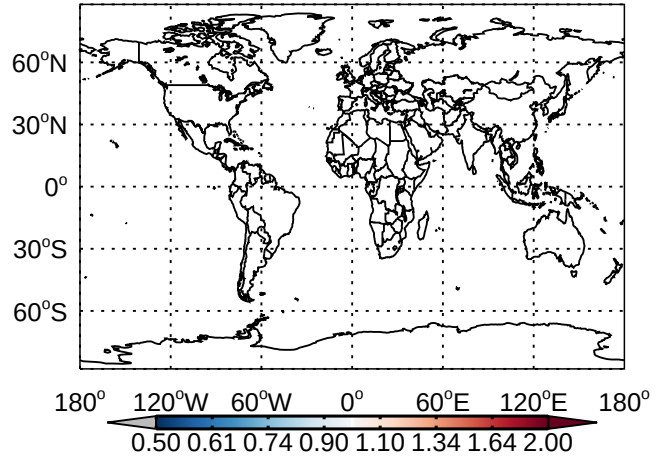
v11-01 / v10-01

OCS / Ratio @ Surface for Oct



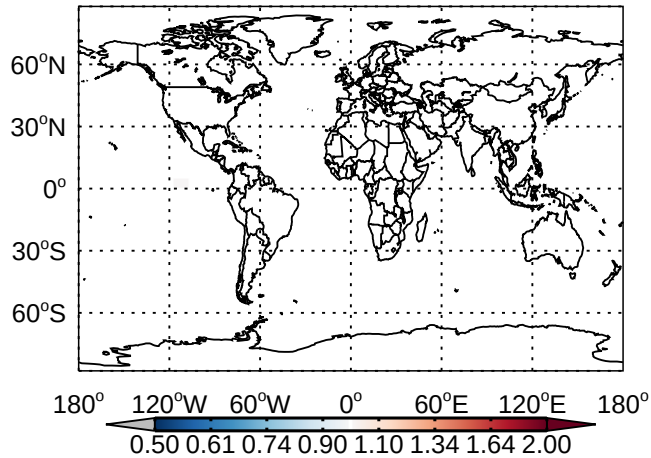
v11-01 / v10-01

OCS/ Ratio @ 500 hPa for Oct



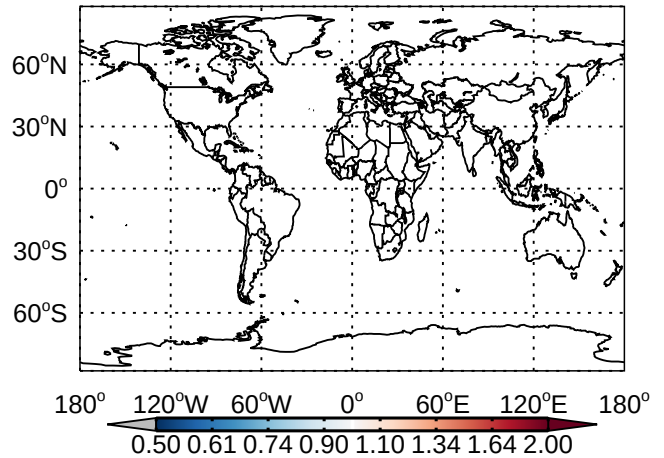
v11-01 / v10-01

CH4 / Ratio @ Surface for Oct



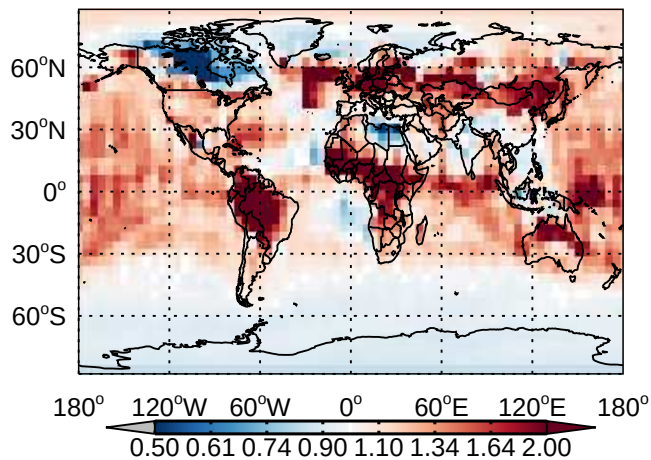
v11-01 / v10-01

CH4/ Ratio @ 500 hPa for Oct



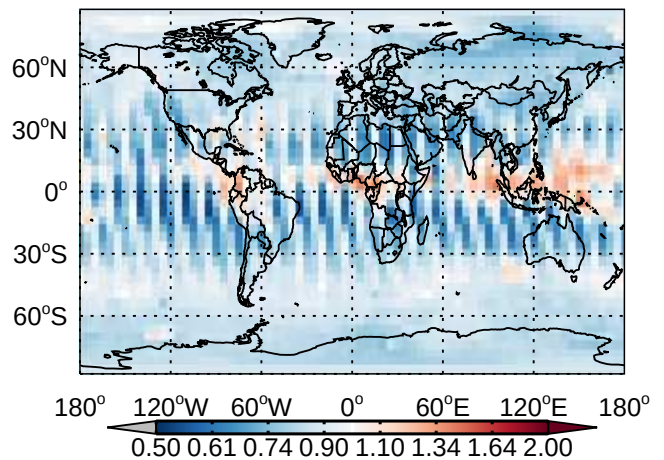
v11-01 / v10-01

BrCl / Ratio @ Surface for Oct



v11-01 / v10-01

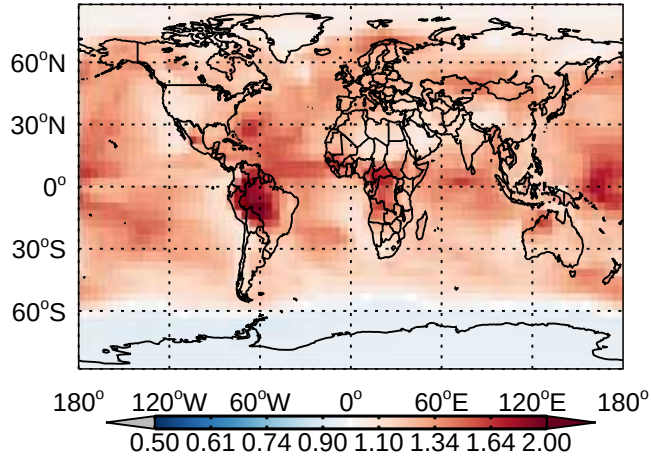
BrCl/ Ratio @ 500 hPa for Oct



GEOS-Chem Ratio Maps at surface and 500 hPa

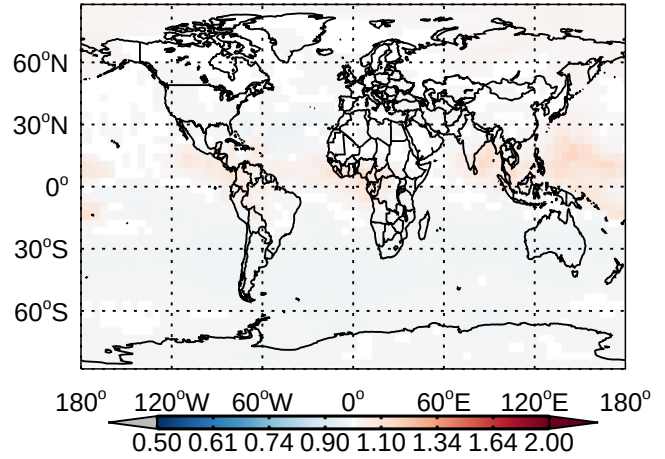
v11-01 / v10-01

HCl / Ratio @ Surface for Oct



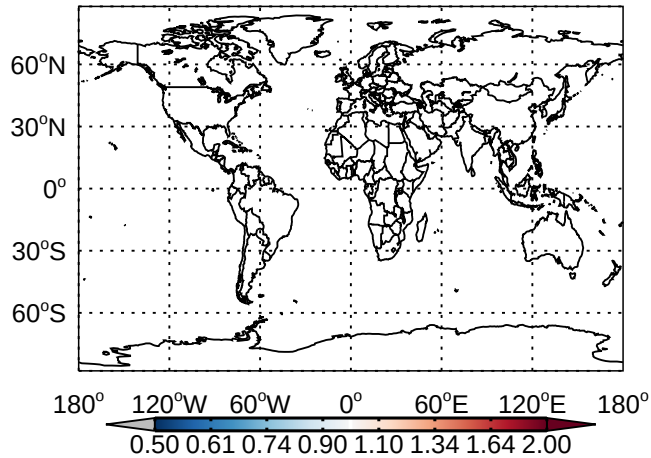
v11-01 / v10-01

HCl/ Ratio @ 500 hPa for Oct



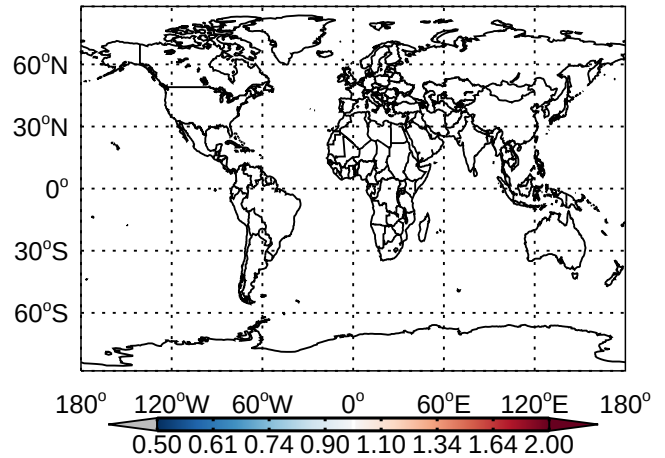
v11-01 / v10-01

CCl4 / Ratio @ Surface for Oct



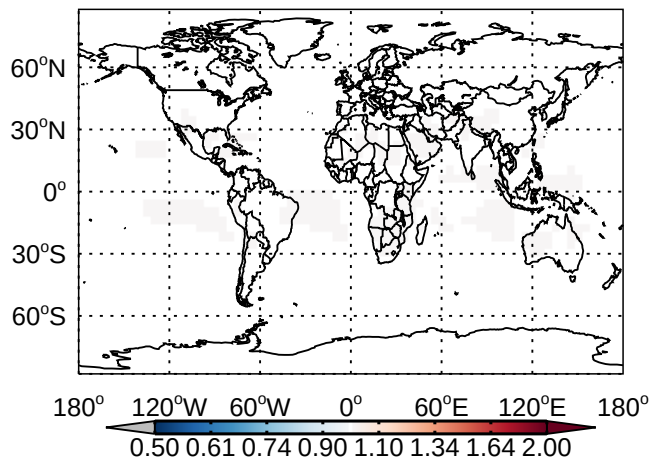
v11-01 / v10-01

CCl4/ Ratio @ 500 hPa for Oct



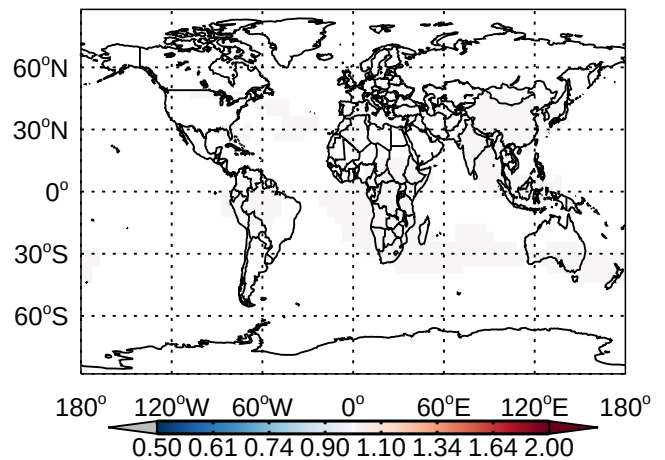
v11-01 / v10-01

CH3Cl / Ratio @ Surface for Oct

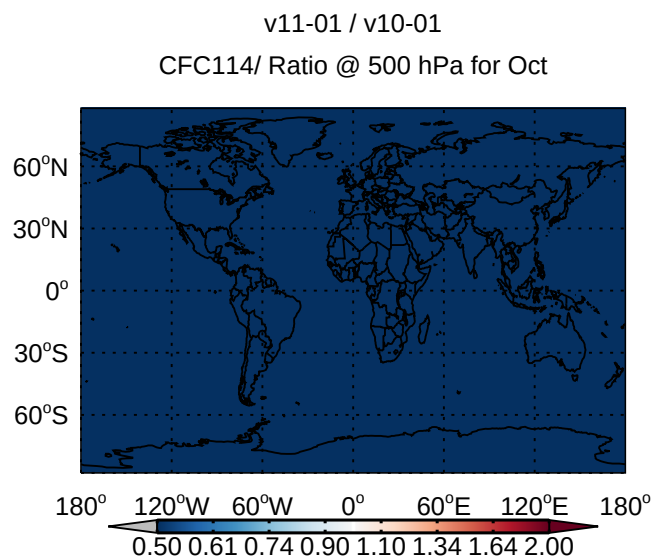
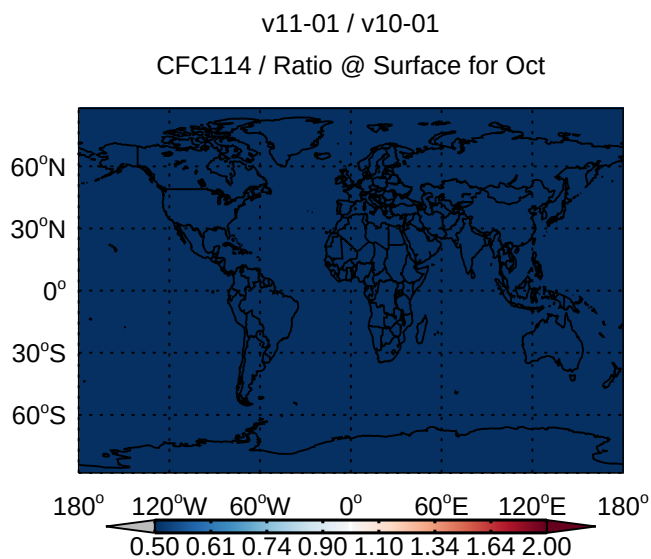
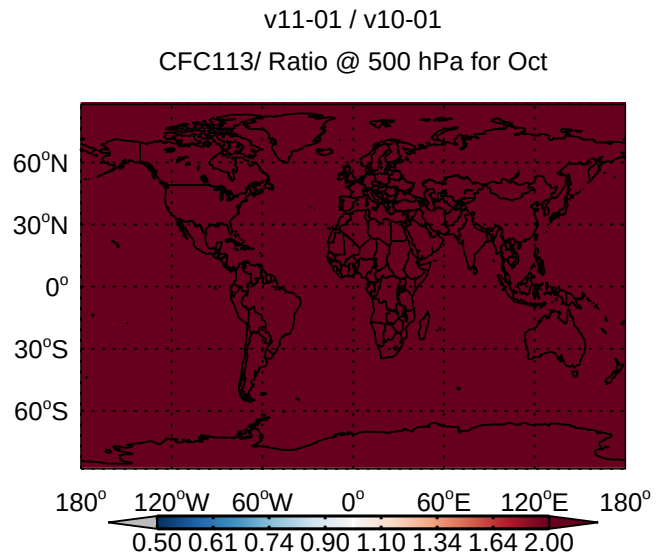
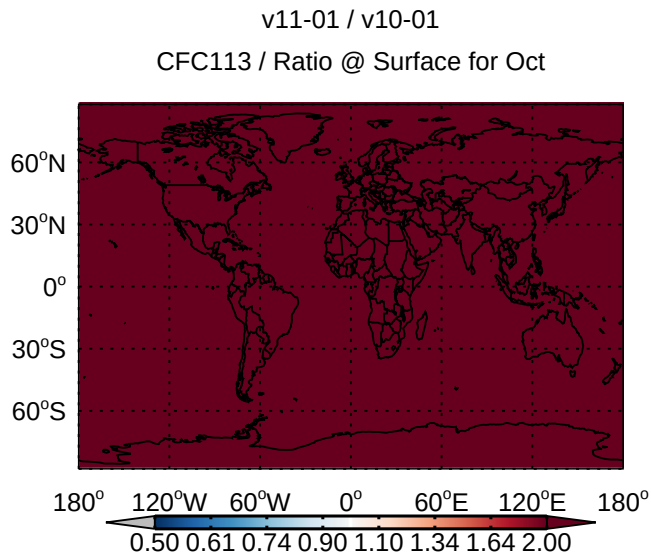
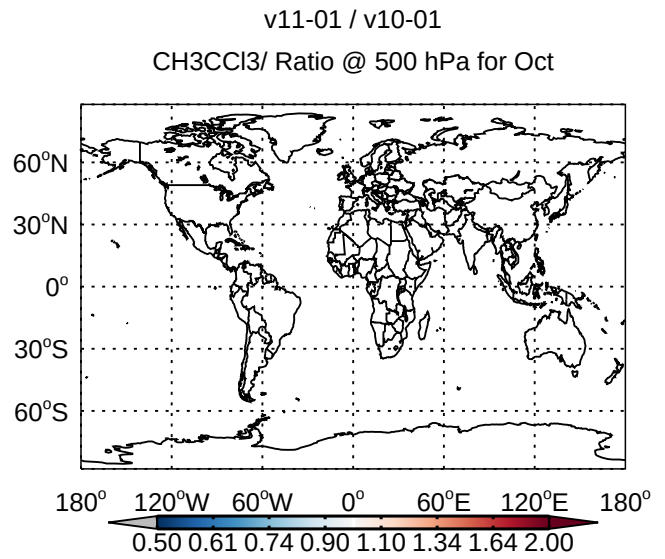
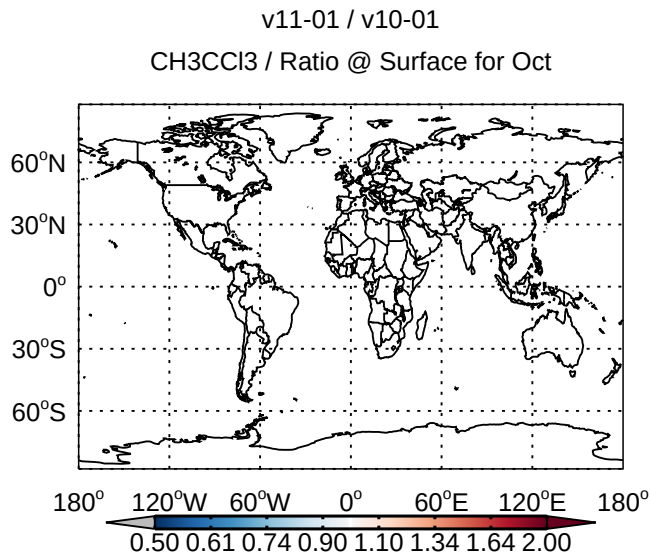


v11-01 / v10-01

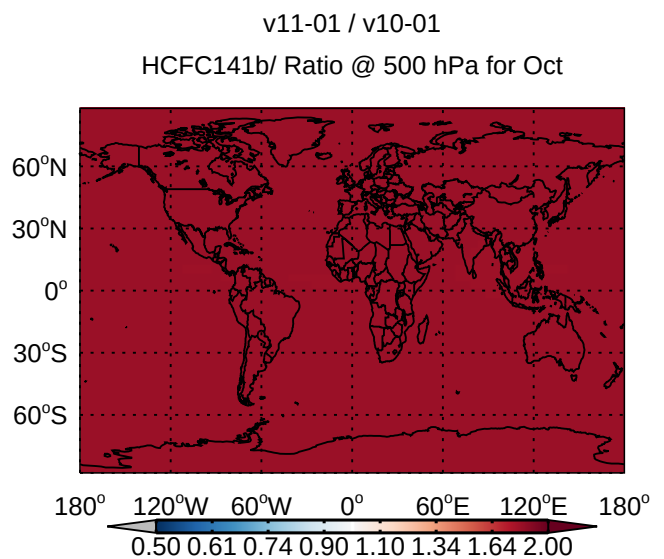
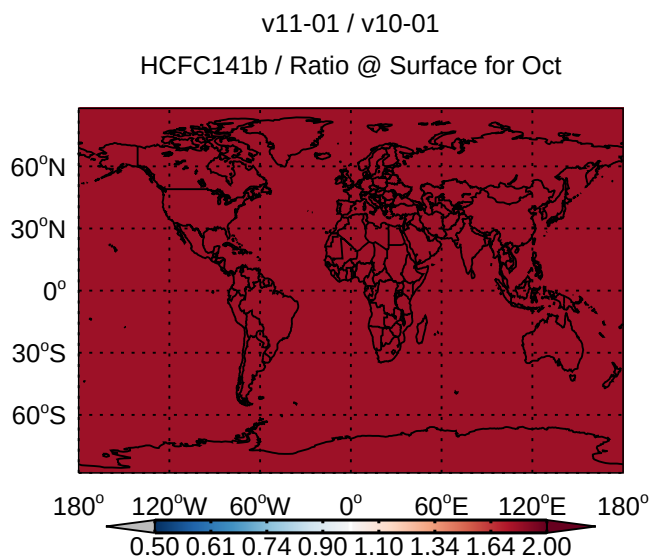
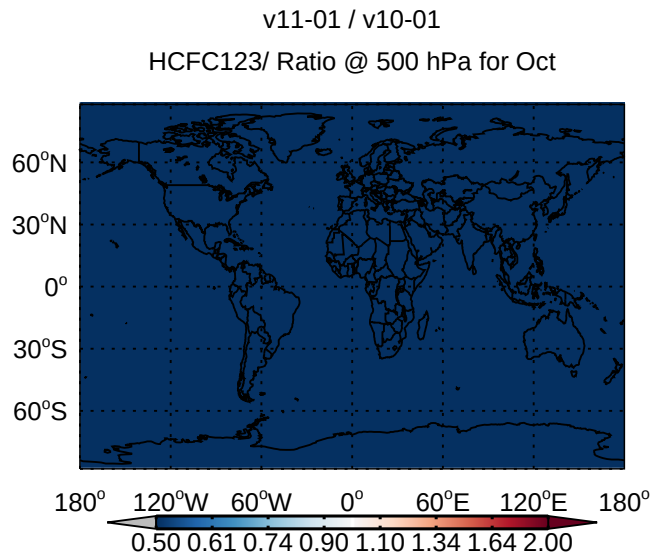
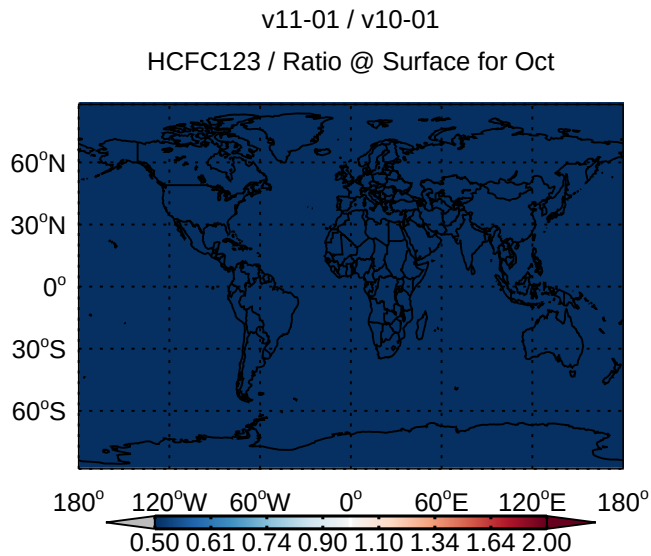
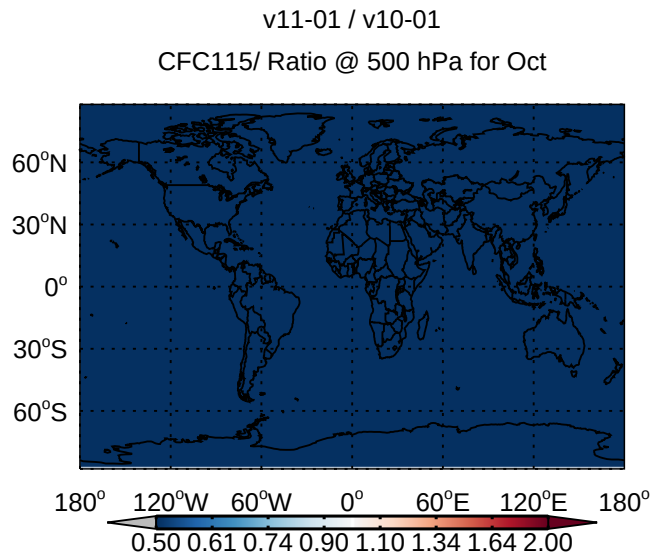
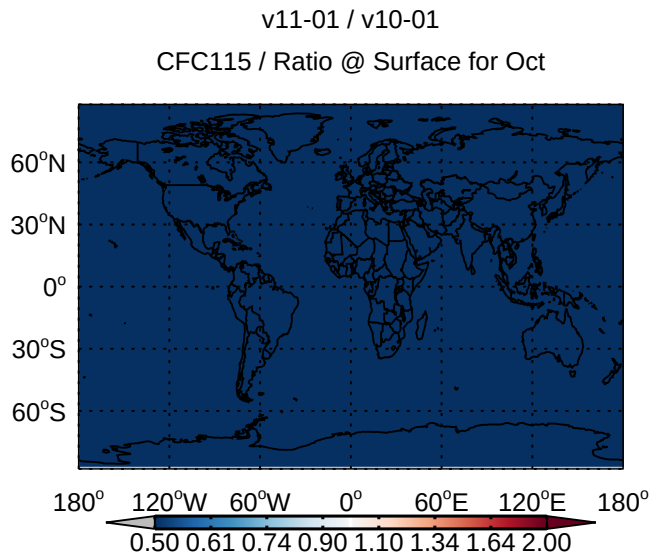
CH3Cl/ Ratio @ 500 hPa for Oct



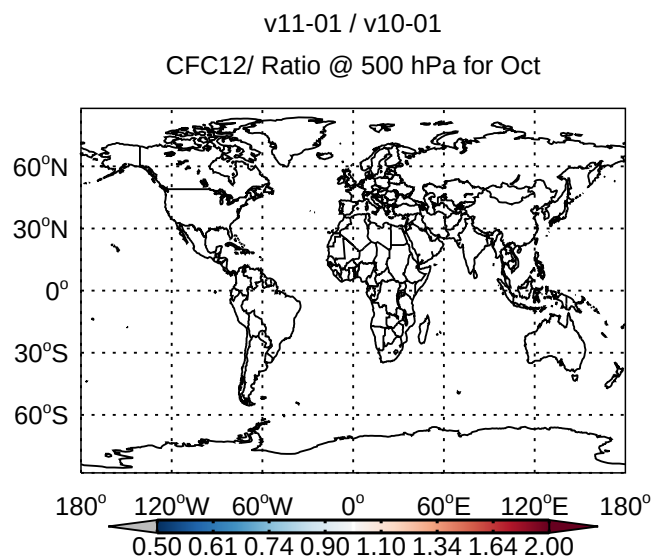
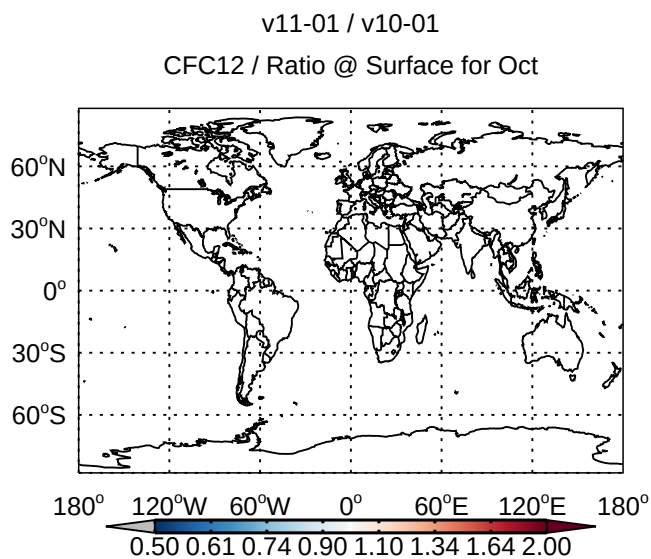
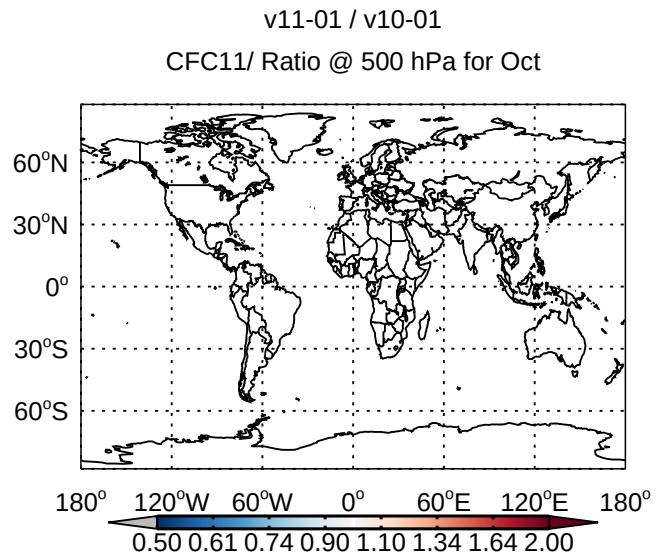
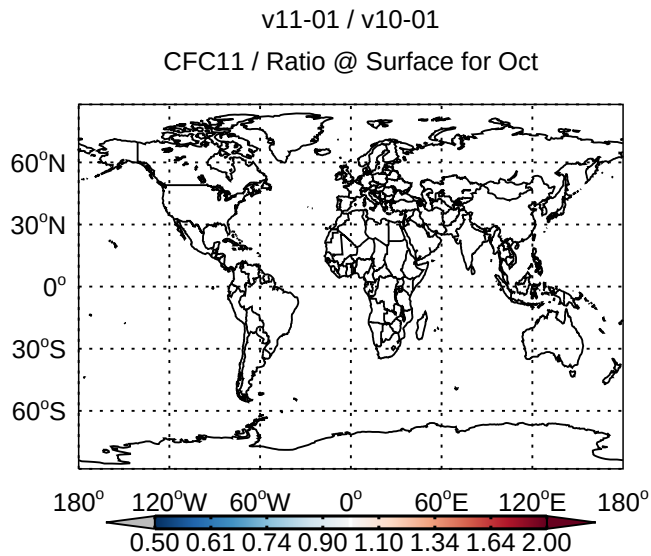
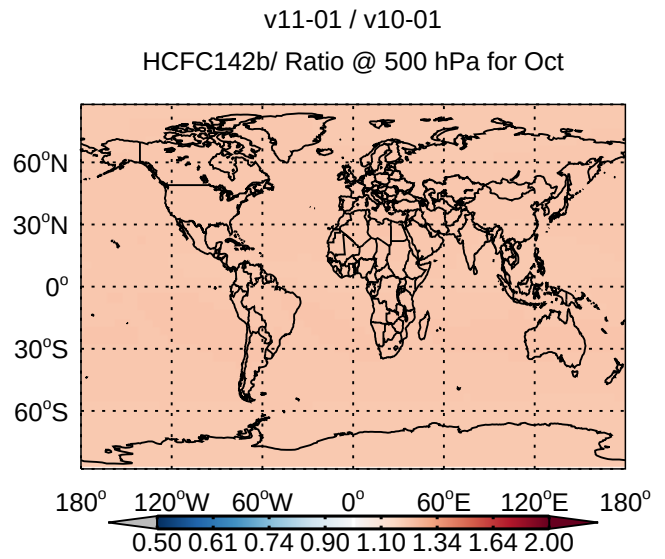
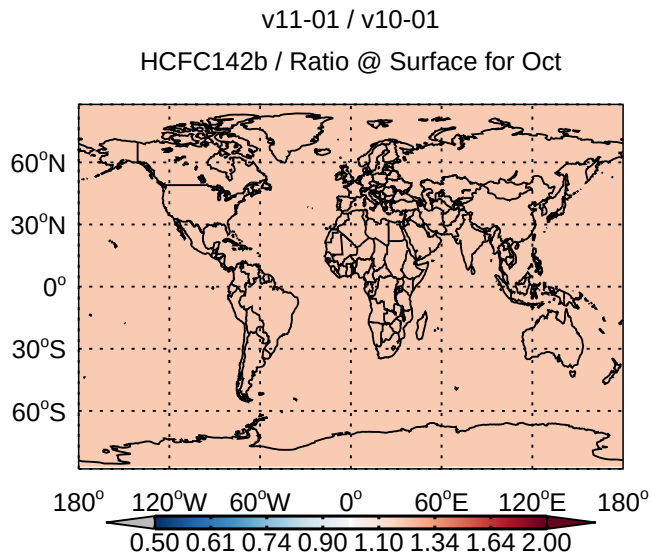
GEOS-Chem Ratio Maps at surface and 500 hPa



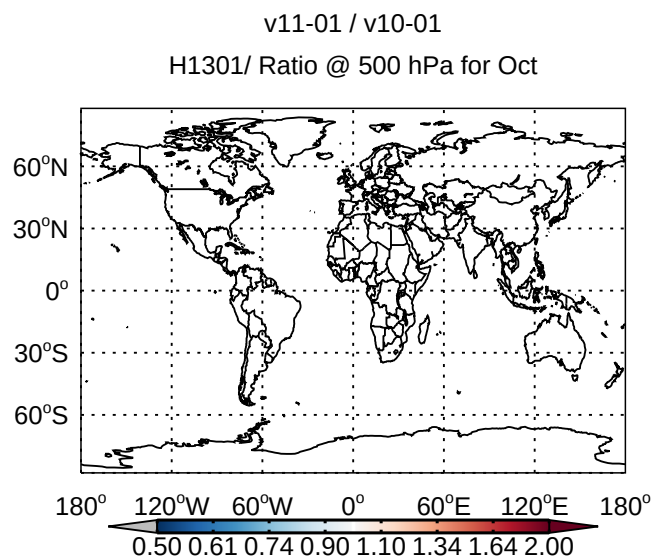
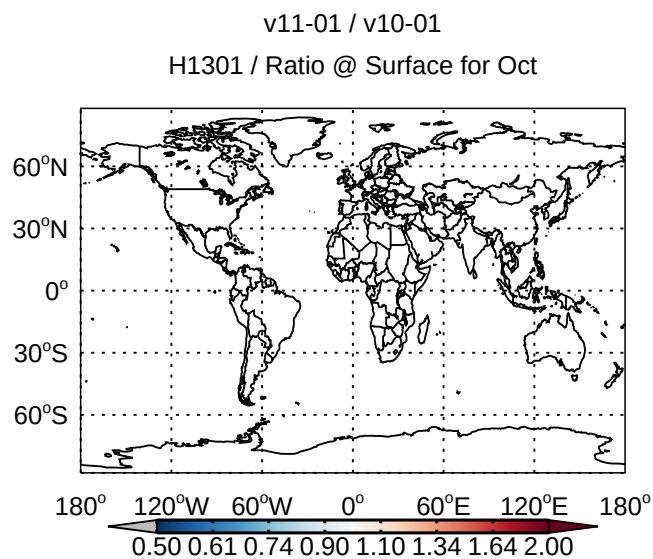
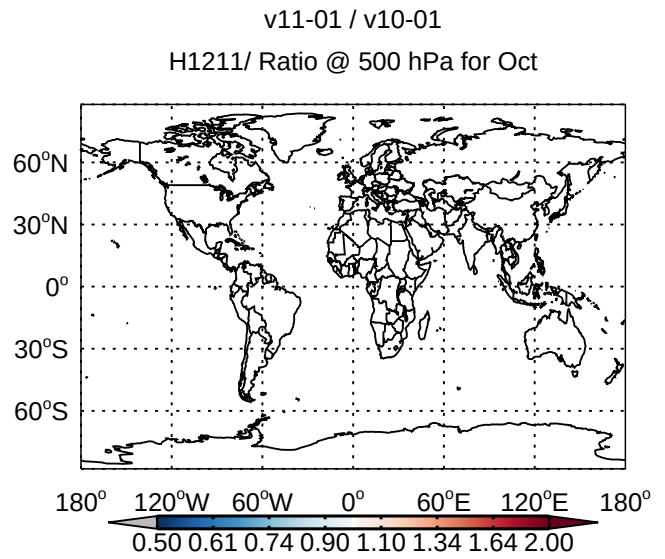
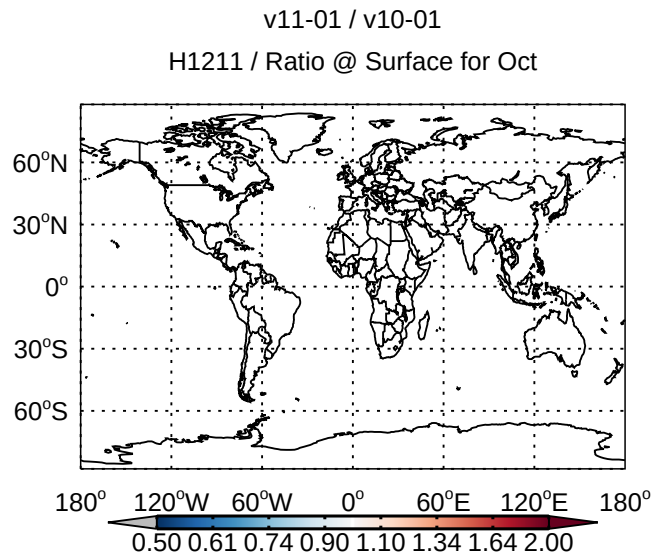
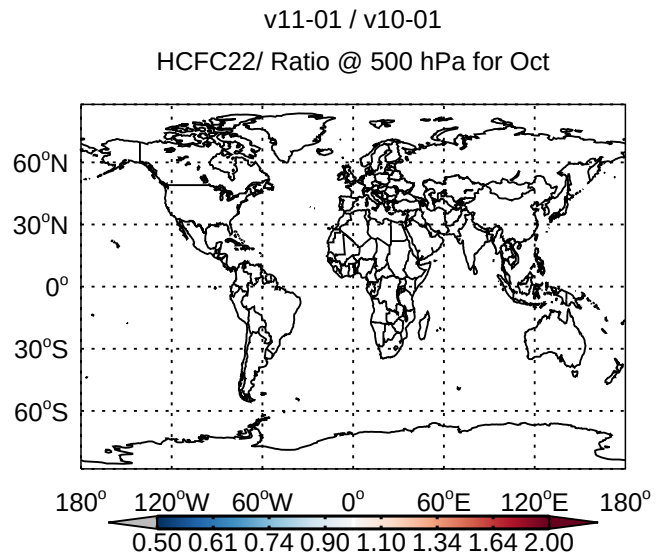
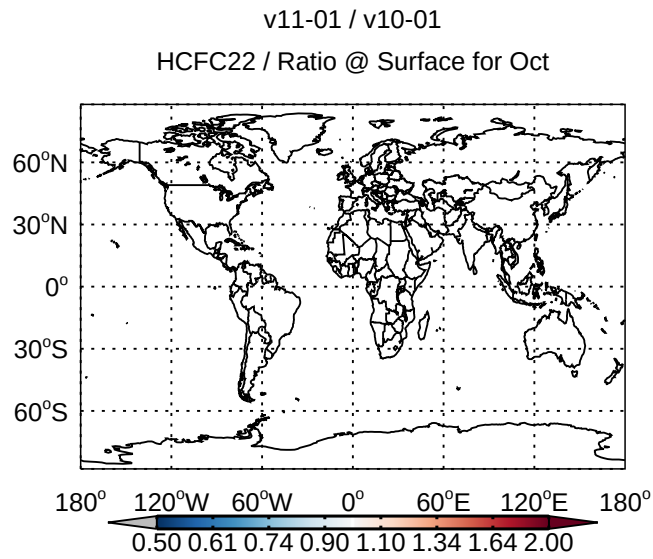
GEOS-Chem Ratio Maps at surface and 500 hPa



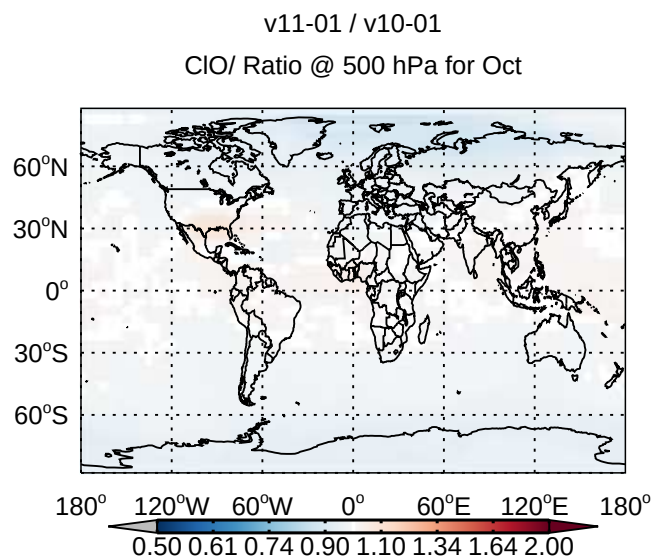
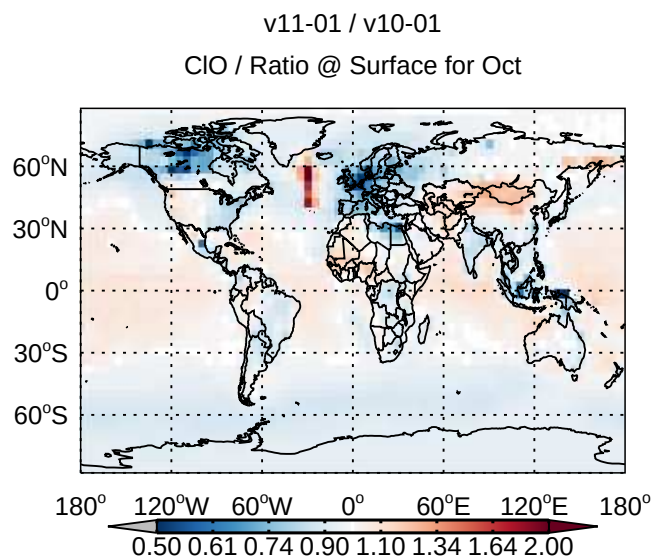
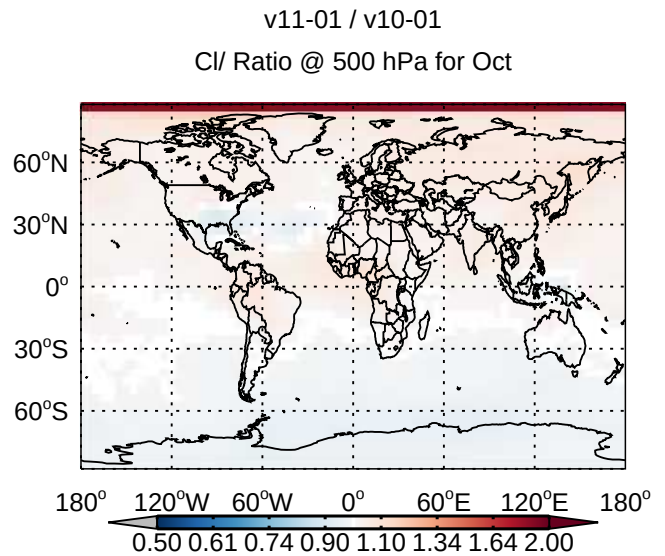
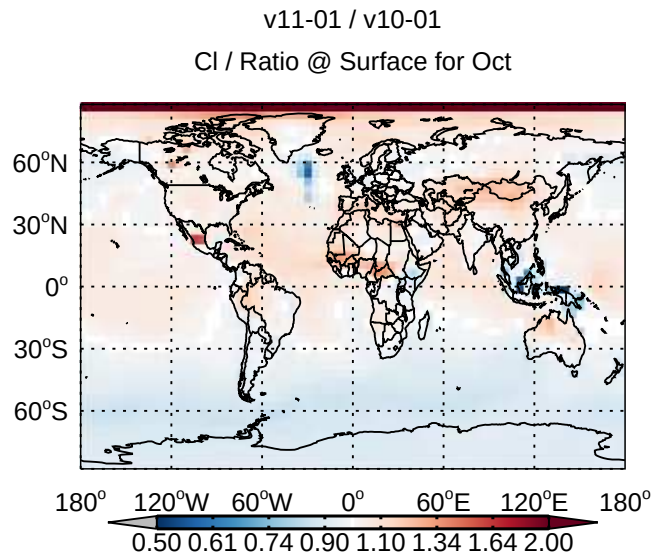
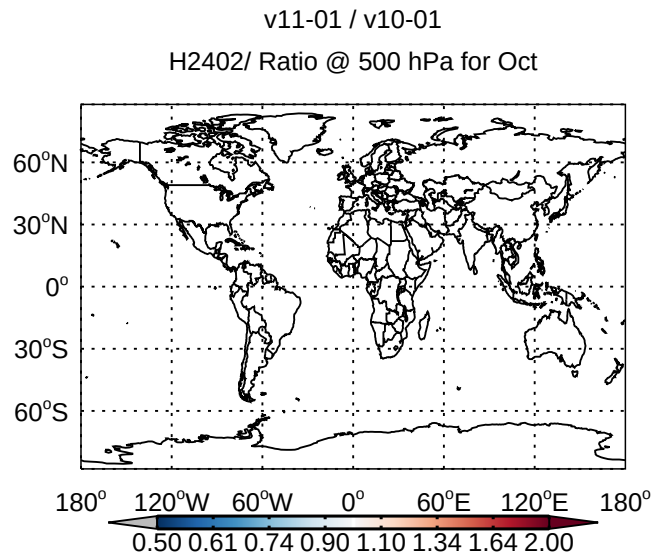
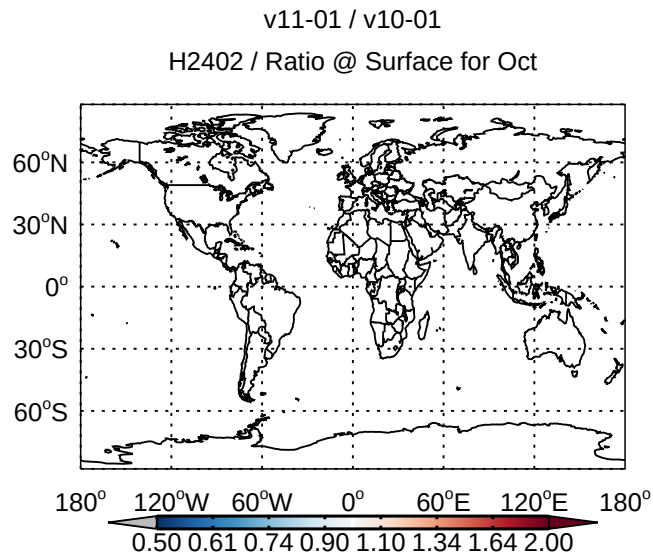
GEOS-Chem Ratio Maps at surface and 500 hPa



GEOS-Chem Ratio Maps at surface and 500 hPa



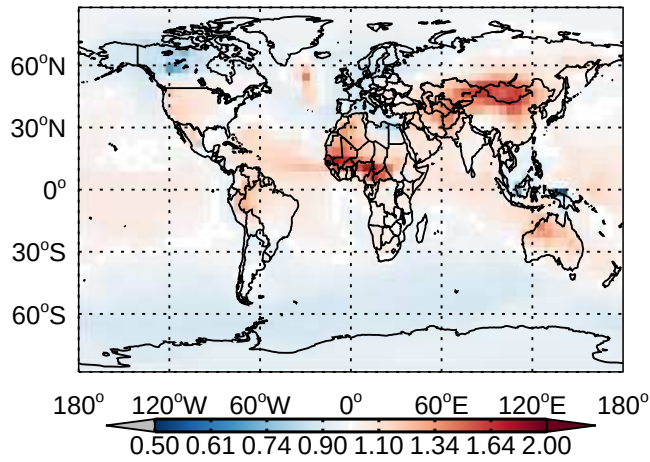
GEOS-Chem Ratio Maps at surface and 500 hPa



GEOS-Chem Ratio Maps at surface and 500 hPa

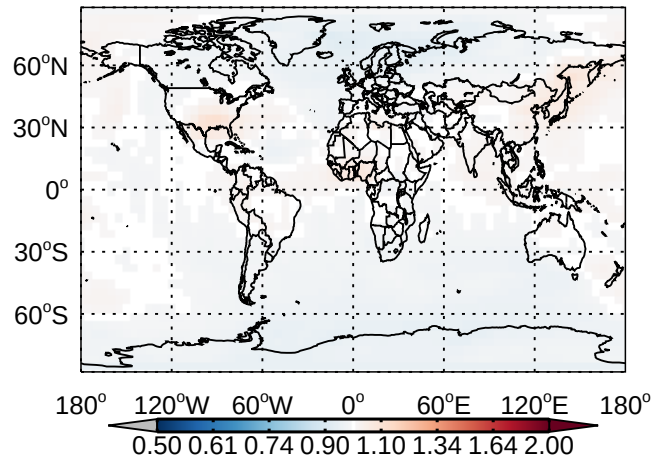
v11-01 / v10-01

HOCl / Ratio @ Surface for Oct



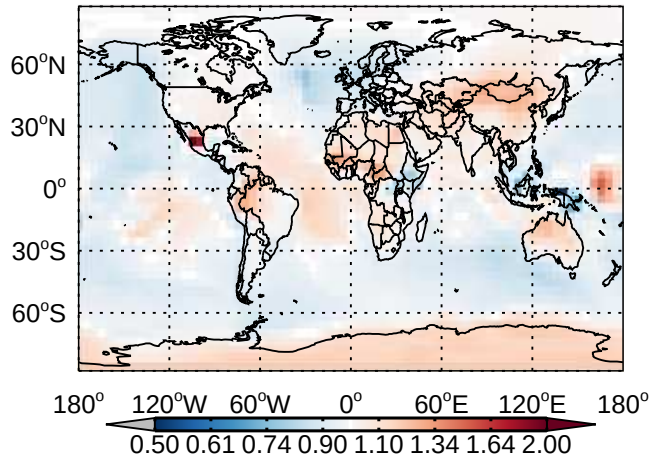
v11-01 / v10-01

HOCl / Ratio @ 500 hPa for Oct



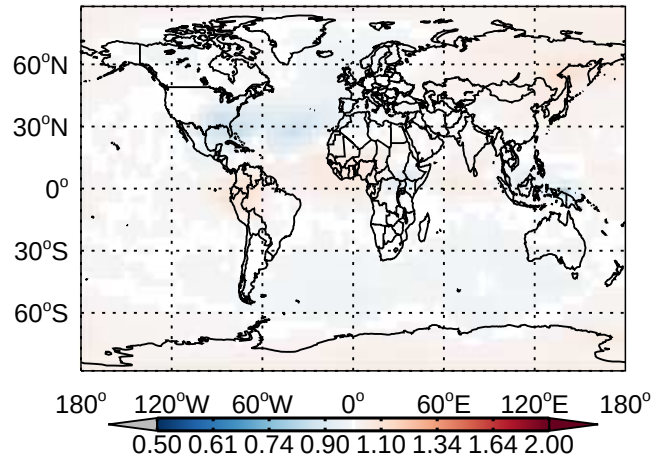
v11-01 / v10-01

CINO3 / Ratio @ Surface for Oct



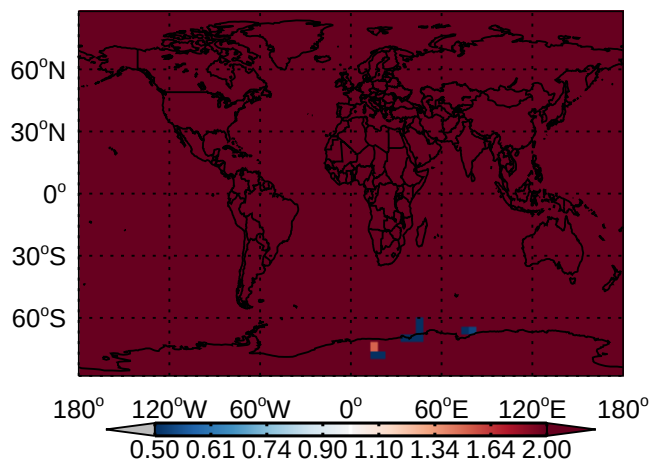
v11-01 / v10-01

CINO3 / Ratio @ 500 hPa for Oct



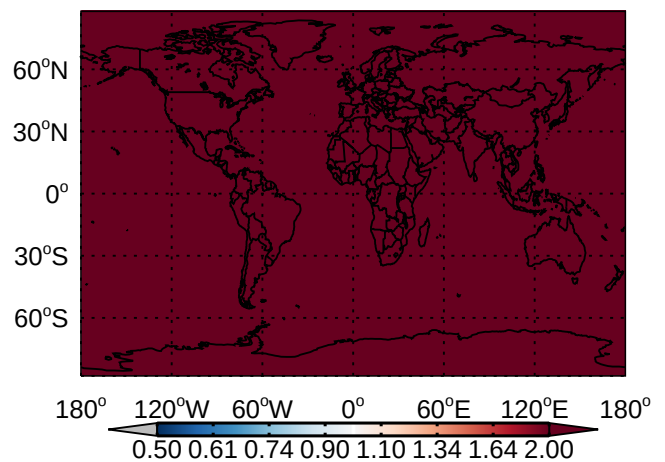
v11-01 / v10-01

CINO2 / Ratio @ Surface for Oct



v11-01 / v10-01

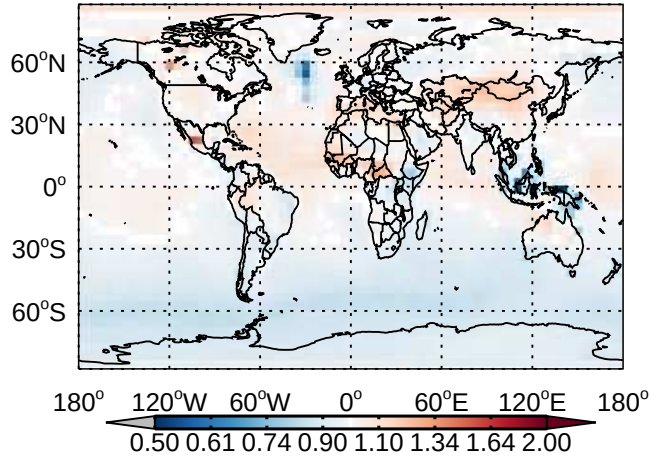
CINO2 / Ratio @ 500 hPa for Oct



GEOS-Chem Ratio Maps at surface and 500 hPa

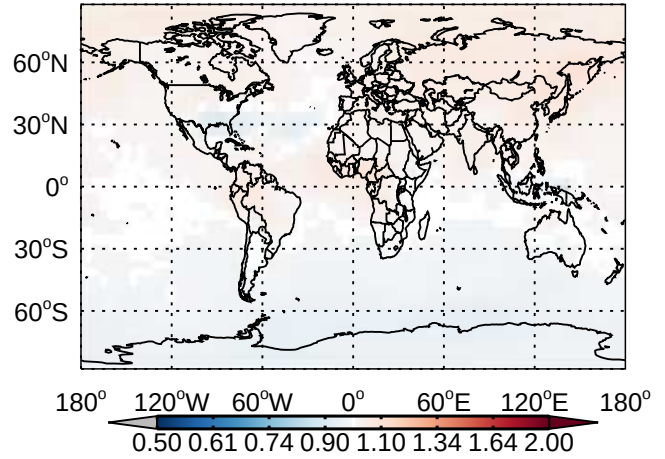
v11-01 / v10-01

CIOO / Ratio @ Surface for Oct



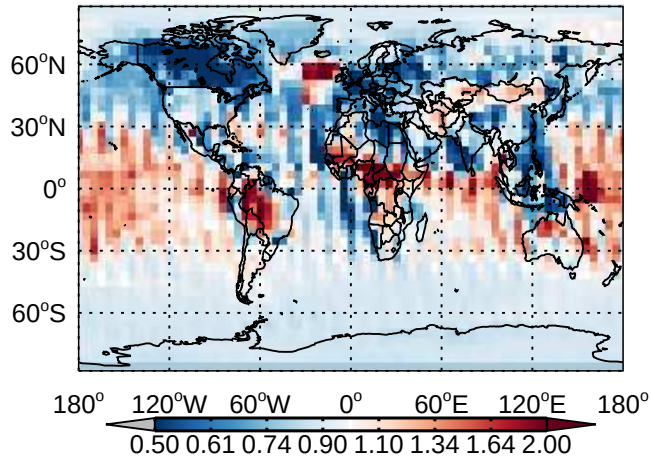
v11-01 / v10-01

CIOO/ Ratio @ 500 hPa for Oct



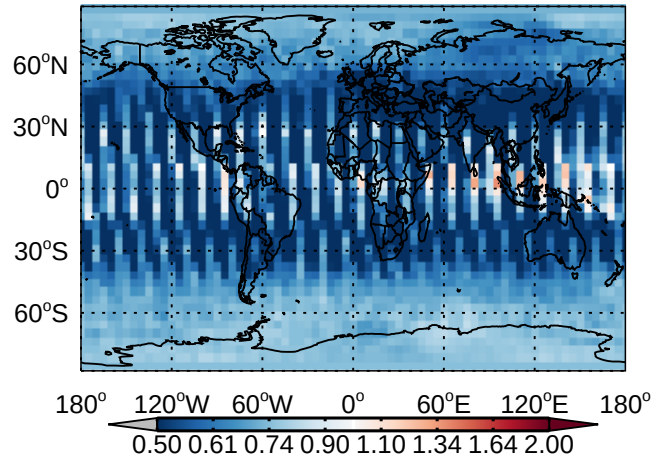
v11-01 / v10-01

OCIO / Ratio @ Surface for Oct



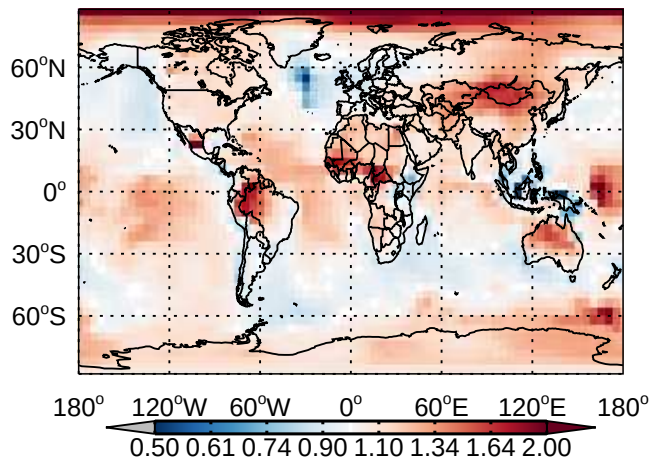
v11-01 / v10-01

OCIO/ Ratio @ 500 hPa for Oct



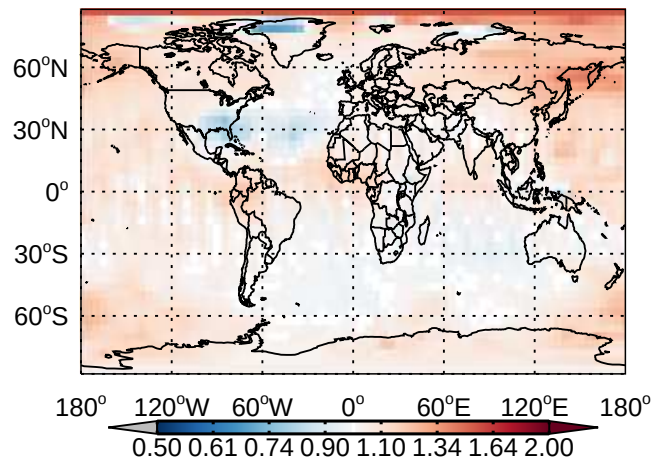
v11-01 / v10-01

Cl2 / Ratio @ Surface for Oct



v11-01 / v10-01

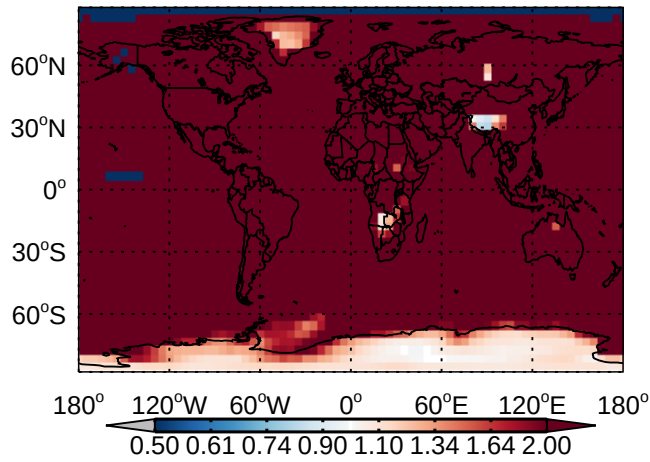
Cl2/ Ratio @ 500 hPa for Oct



GEOS-Chem Ratio Maps at surface and 500 hPa

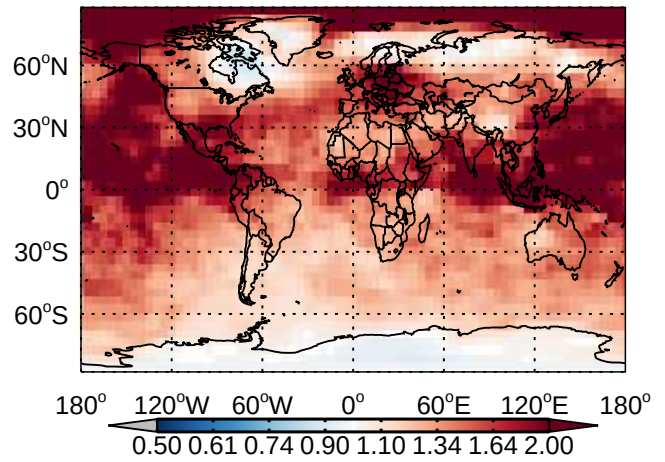
v11-01 / v10-01

Cl2O2 / Ratio @ Surface for Oct



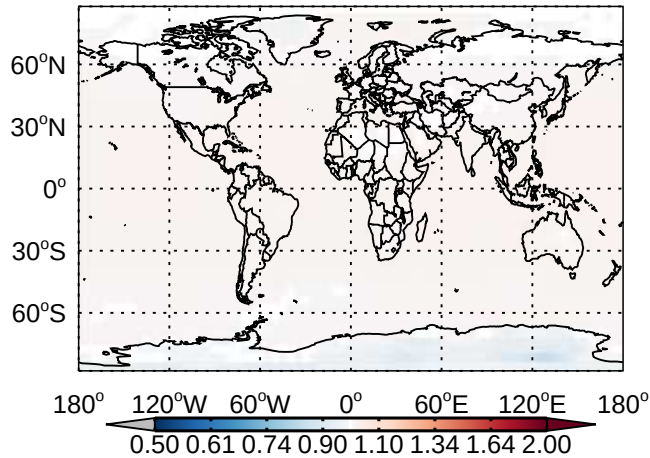
v11-01 / v10-01

Cl2O2/ Ratio @ 500 hPa for Oct



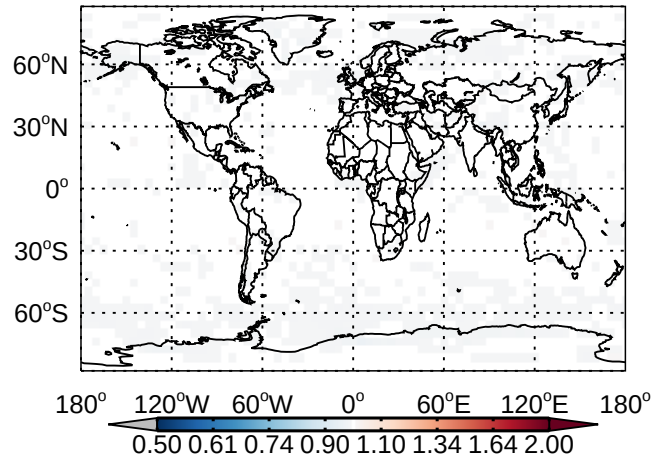
v11-01 / v10-01

H2O / Ratio @ Surface for Oct



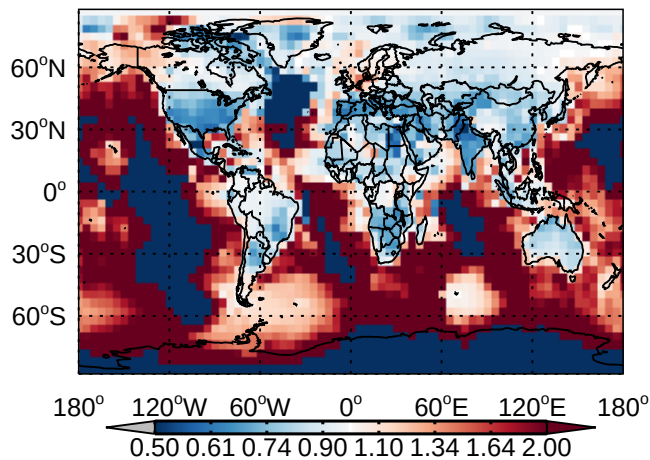
v11-01 / v10-01

H2O/ Ratio @ 500 hPa for Oct



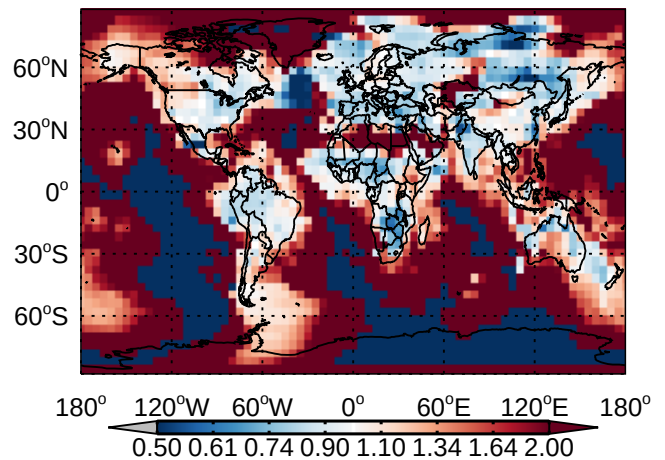
v11-01 / v10-01

MTPA / Ratio @ Surface for Oct



v11-01 / v10-01

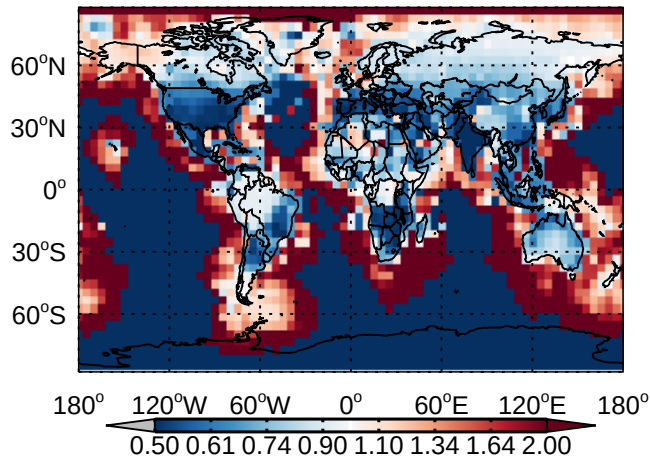
MTPA/ Ratio @ 500 hPa for Oct



GEOS-Chem Ratio Maps at surface and 500 hPa

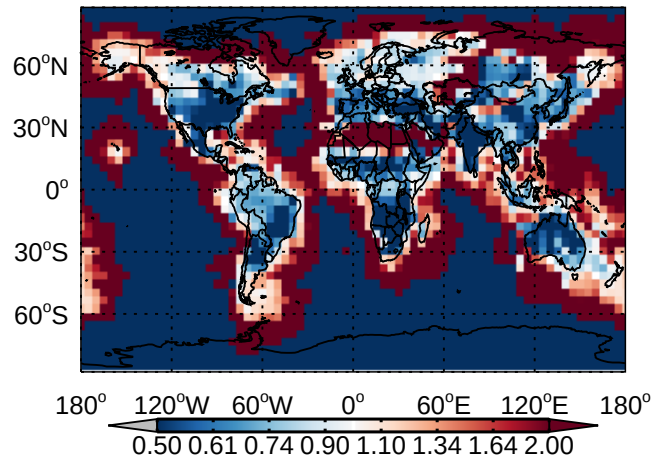
v11-01 / v10-01

LIMO / Ratio @ Surface for Oct



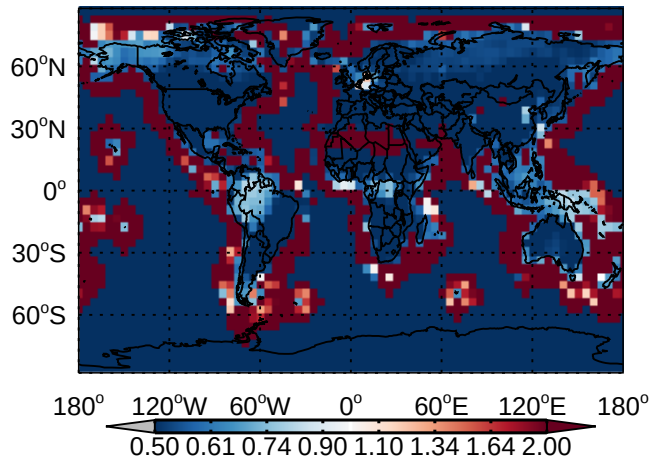
v11-01 / v10-01

LIMO/ Ratio @ 500 hPa for Oct



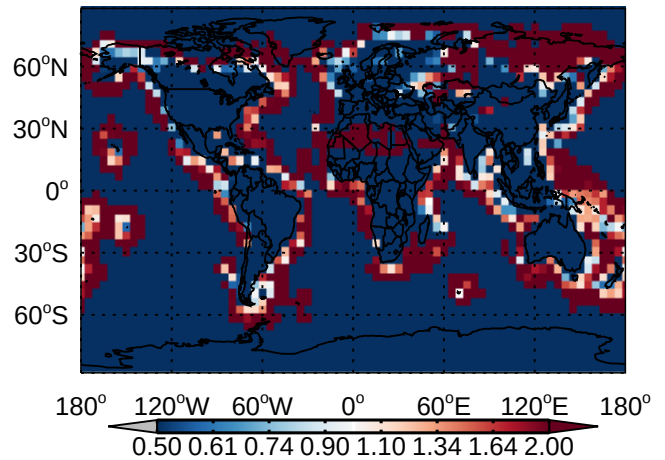
v11-01 / v10-01

MTPO / Ratio @ Surface for Oct



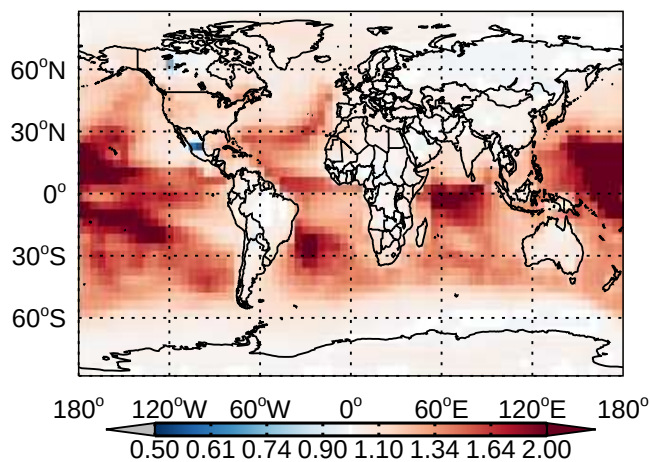
v11-01 / v10-01

MTPO/ Ratio @ 500 hPa for Oct



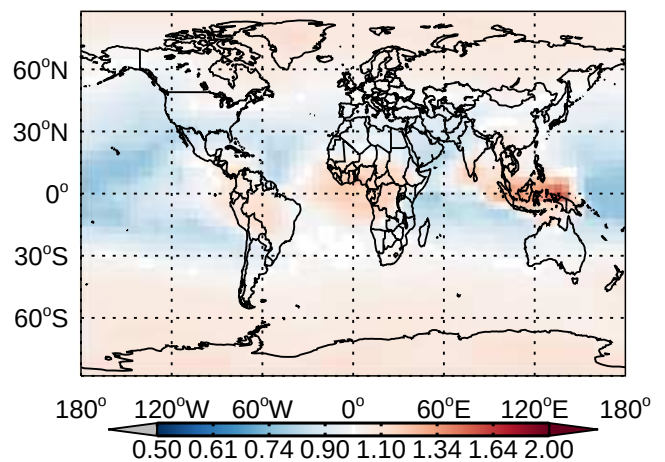
v11-01 / v10-01

TSOG1 / Ratio @ Surface for Oct

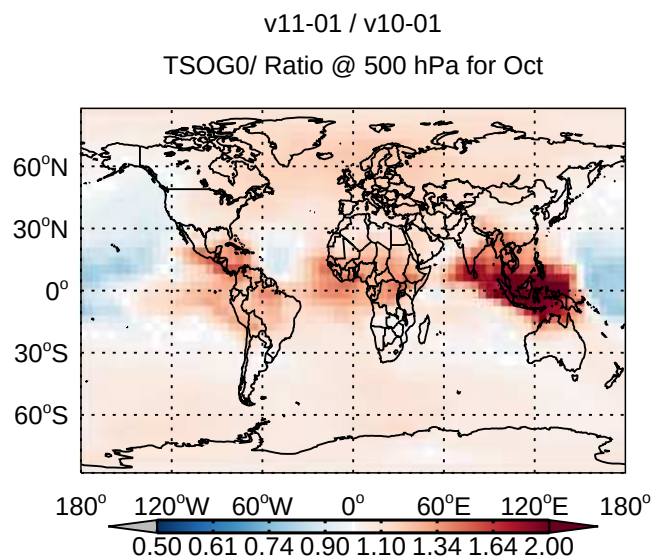
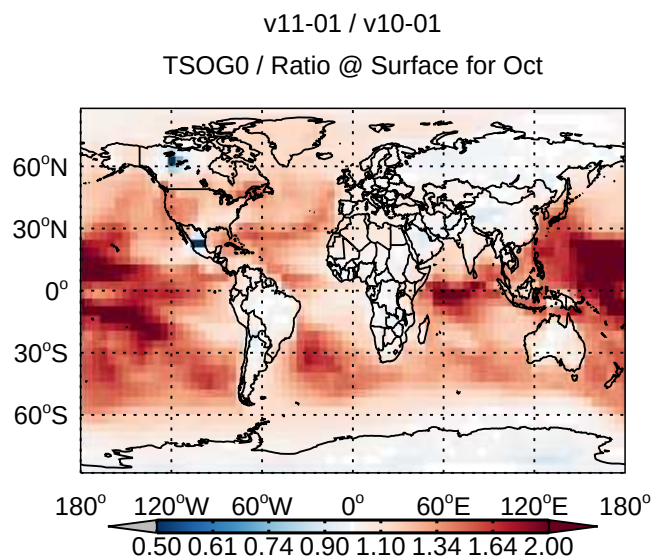
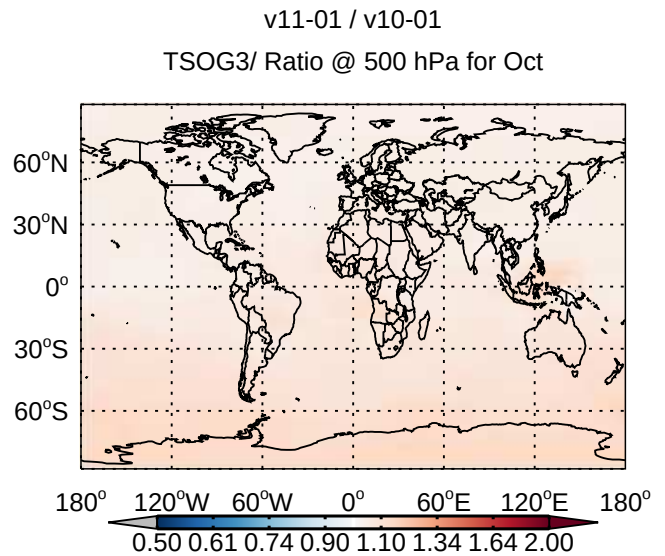
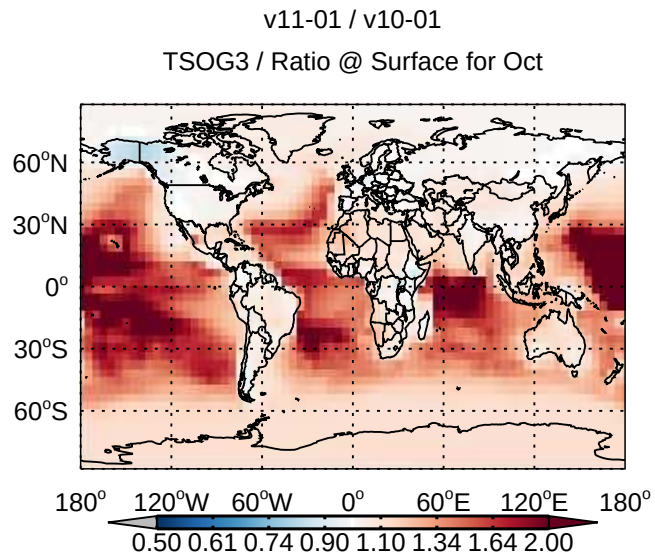
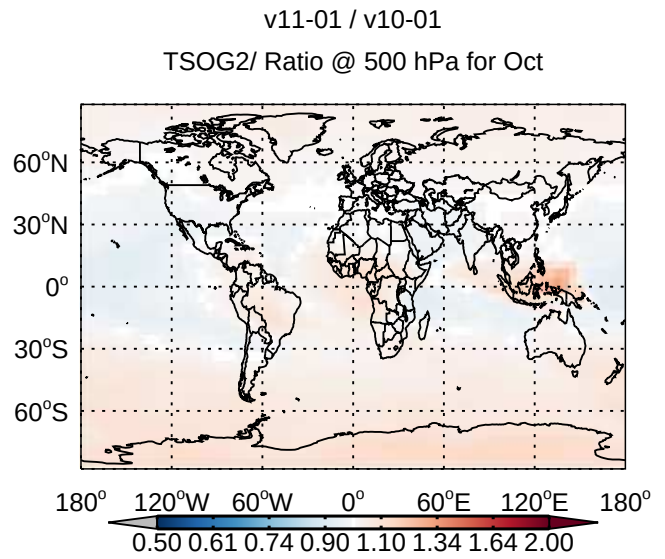
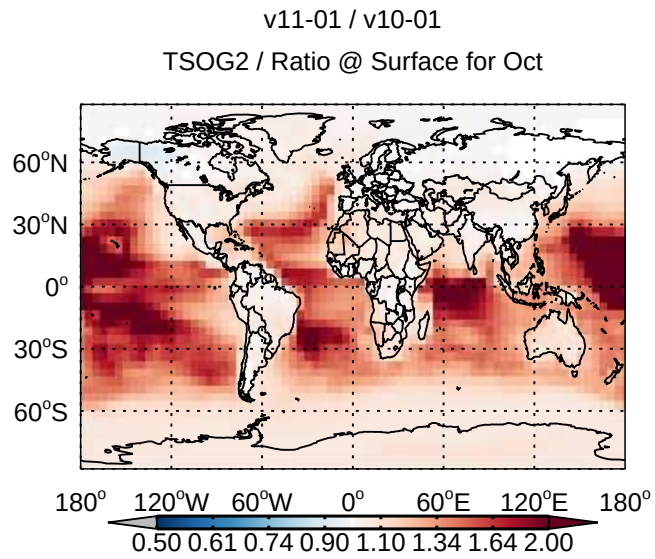


v11-01 / v10-01

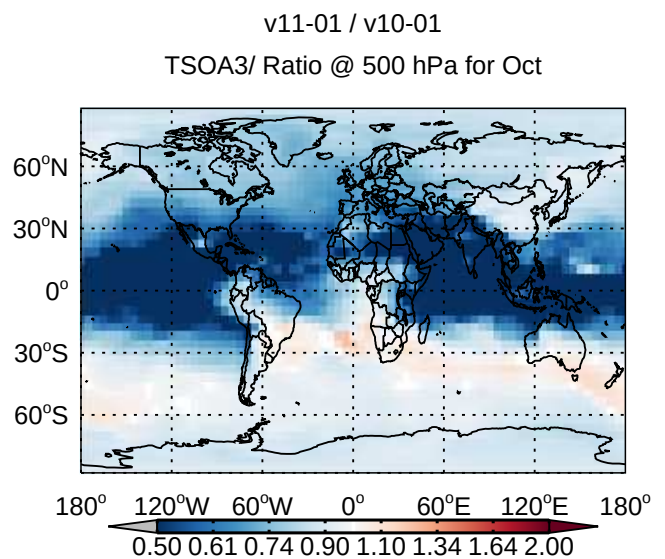
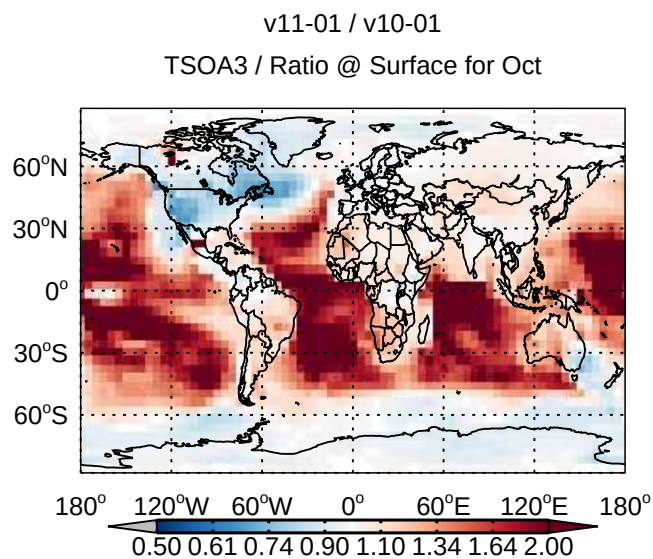
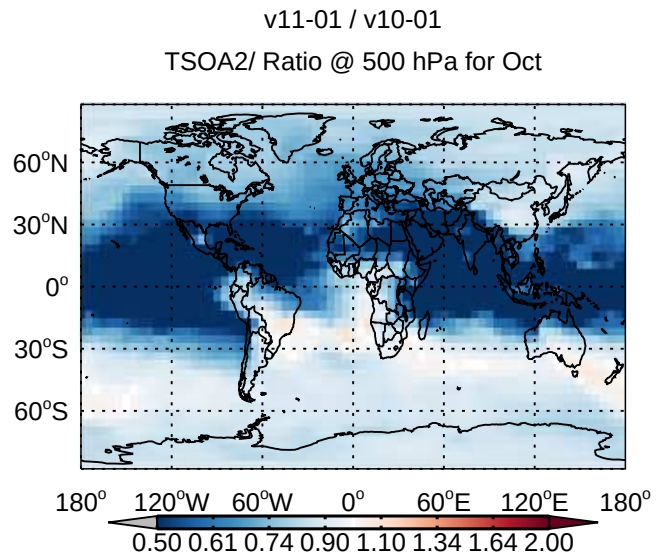
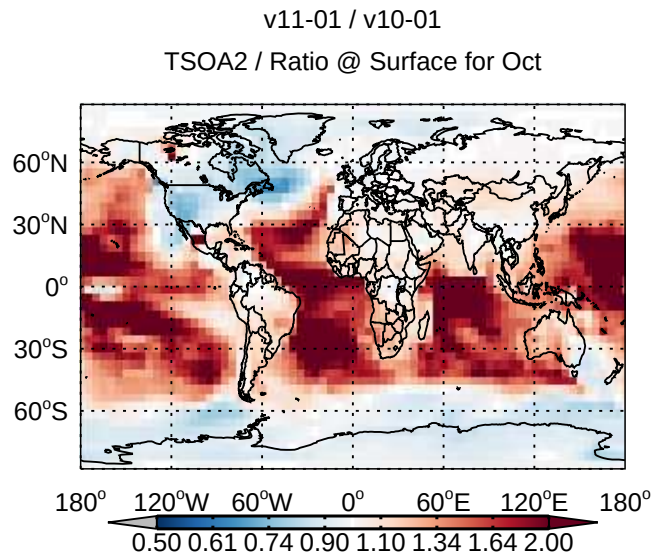
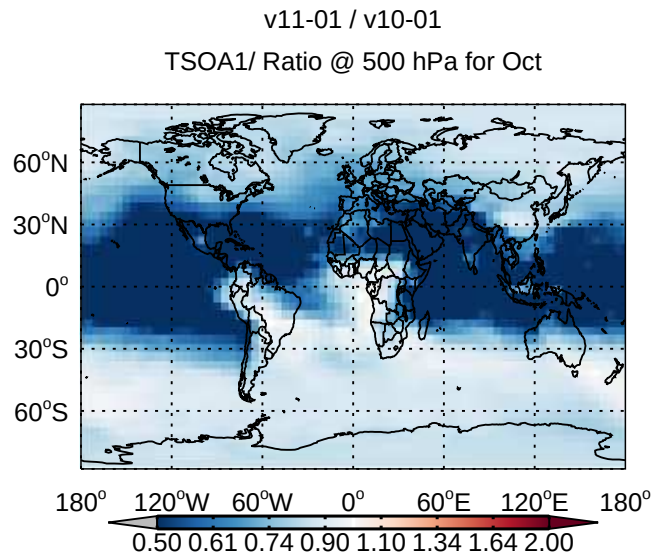
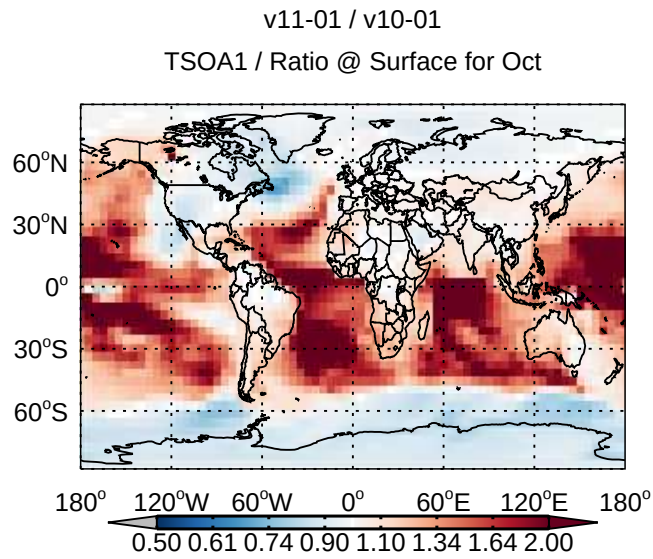
TSOG1/ Ratio @ 500 hPa for Oct



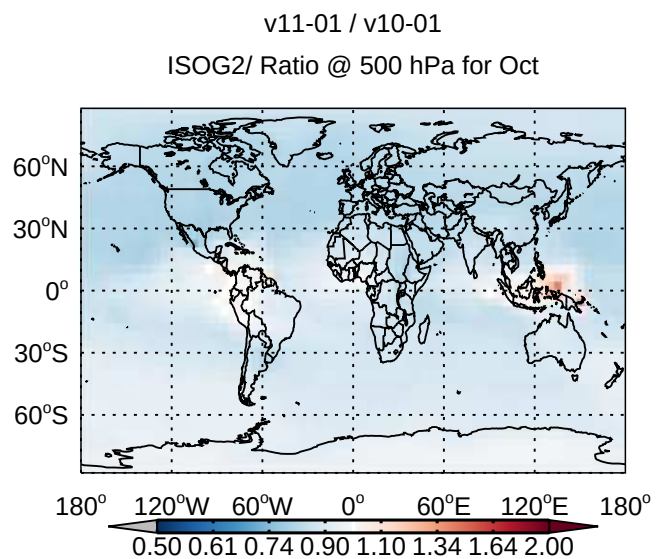
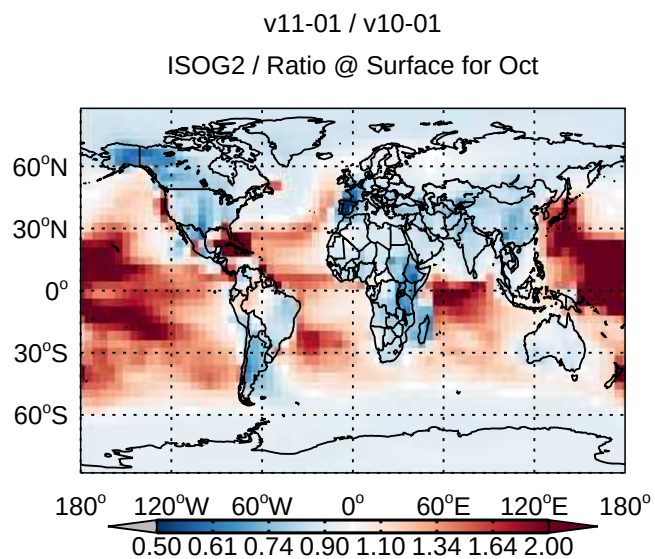
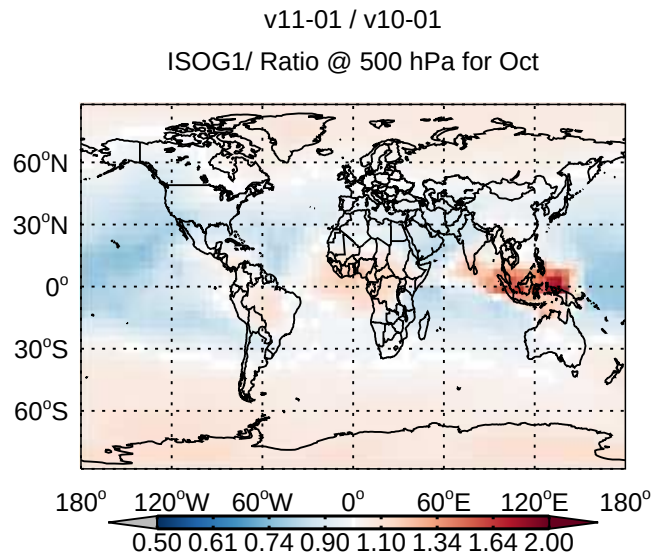
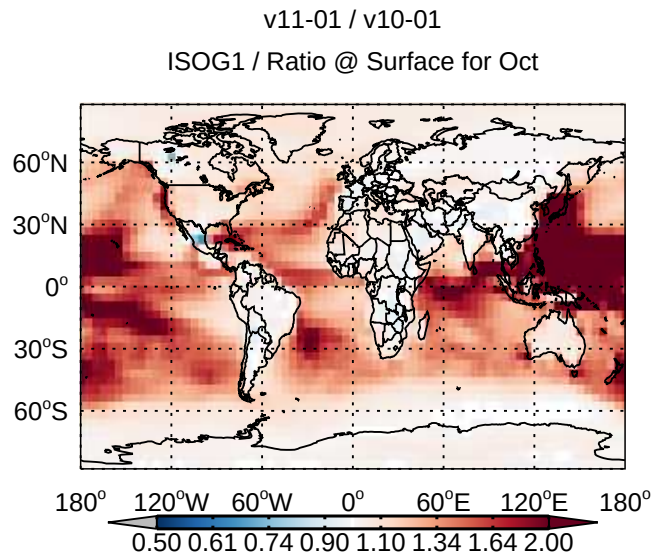
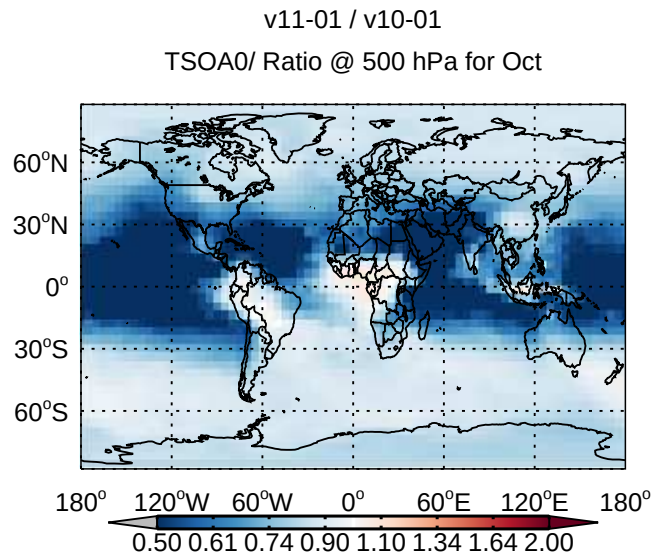
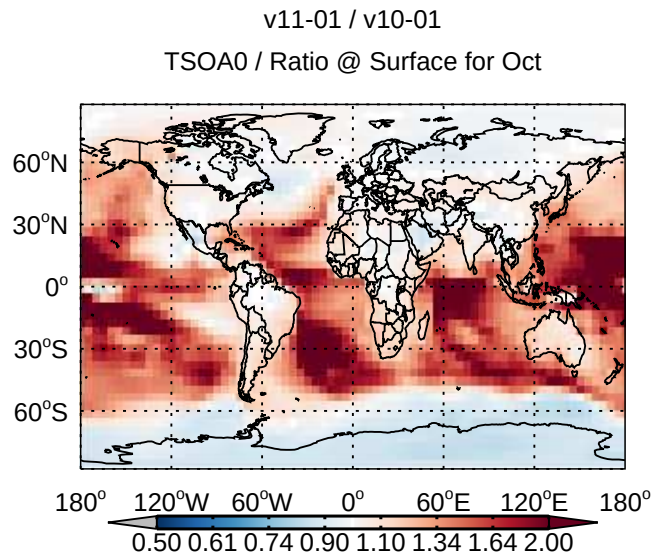
GEOS-Chem Ratio Maps at surface and 500 hPa



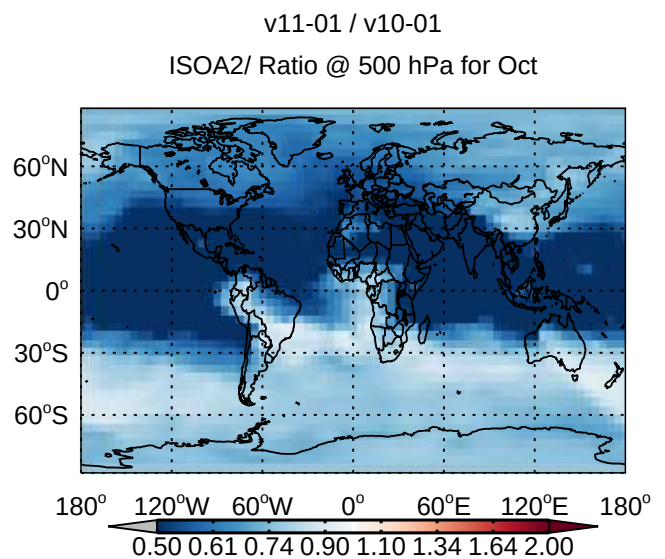
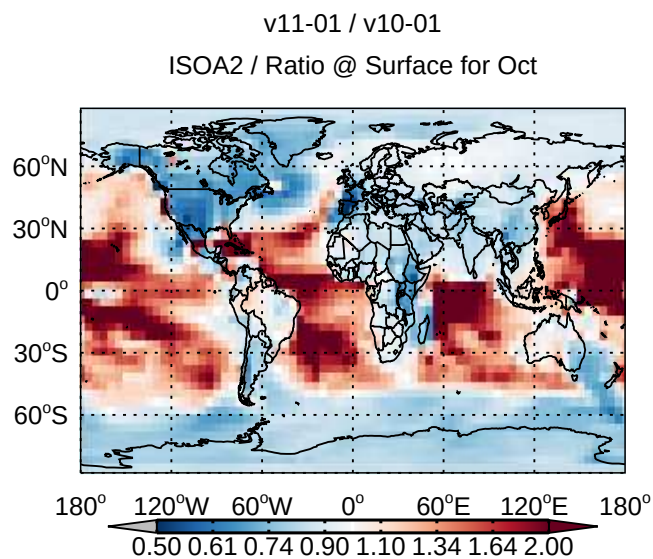
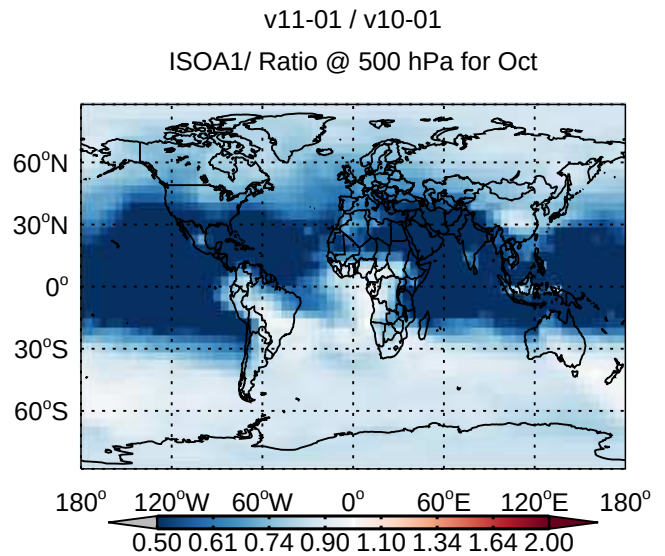
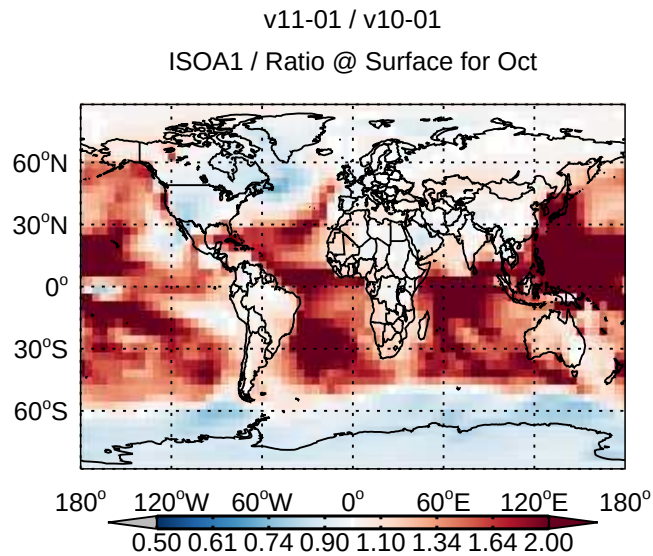
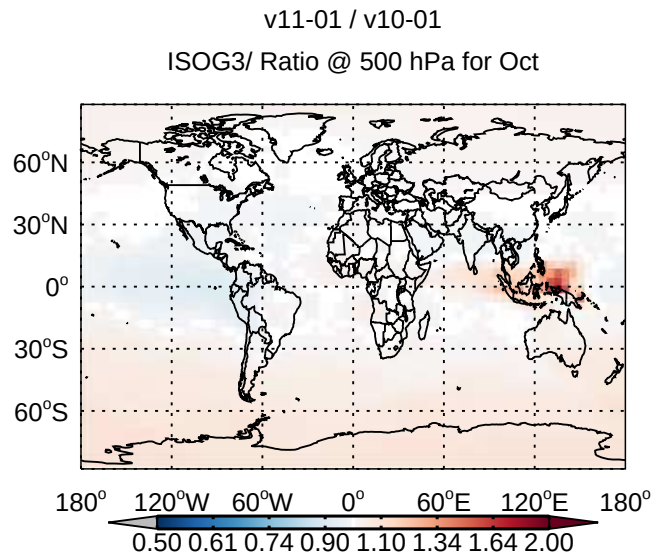
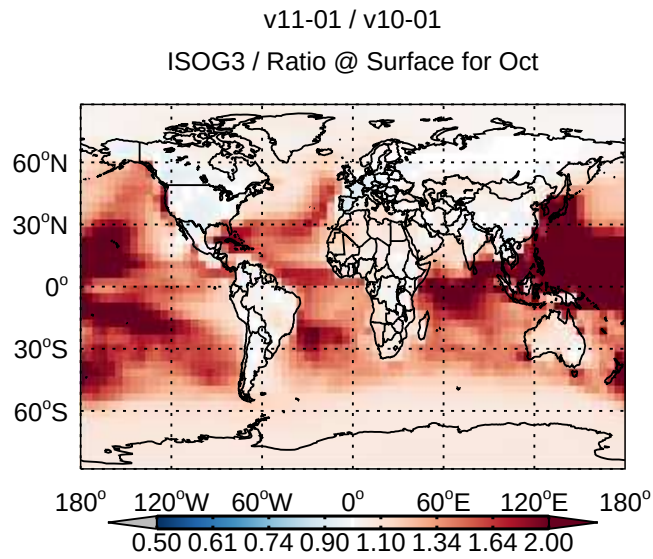
GEOS-Chem Ratio Maps at surface and 500 hPa



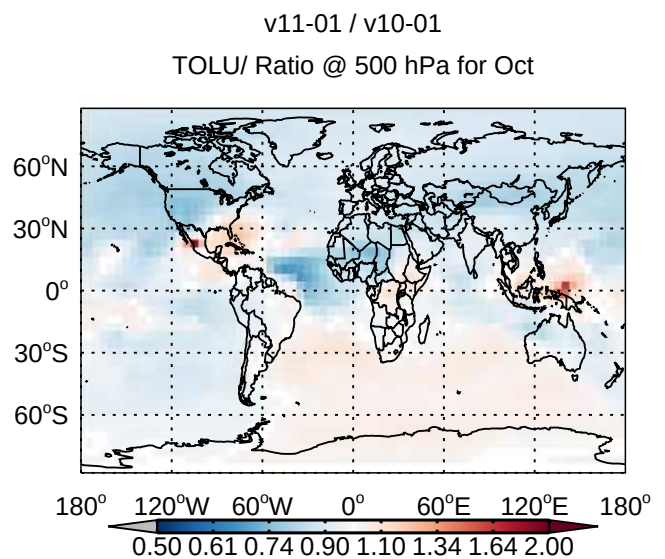
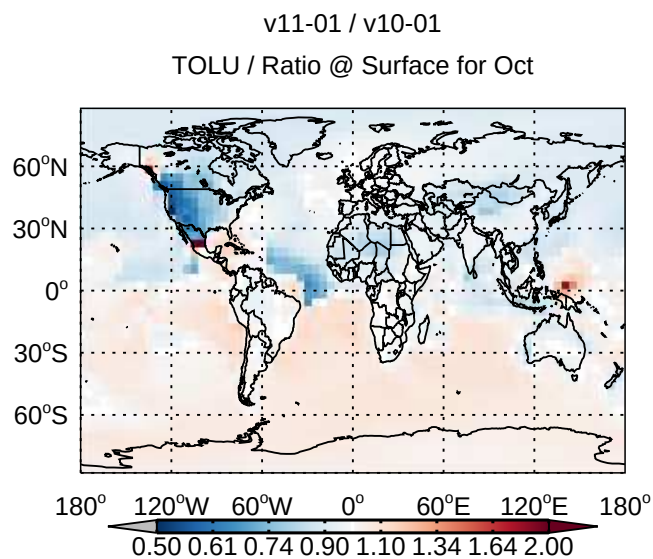
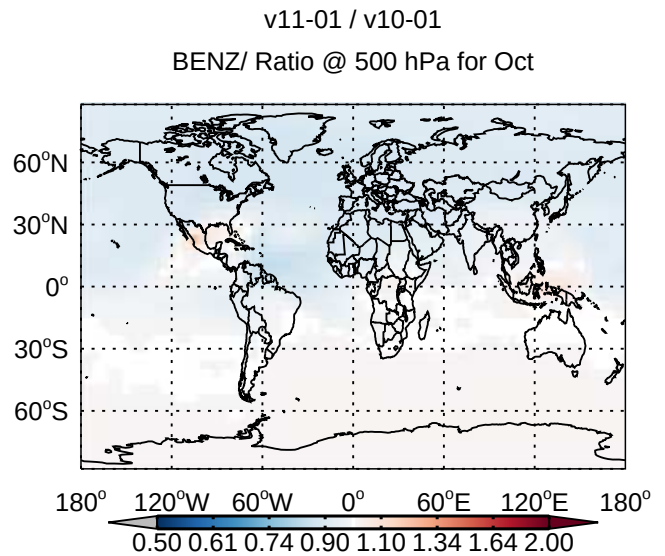
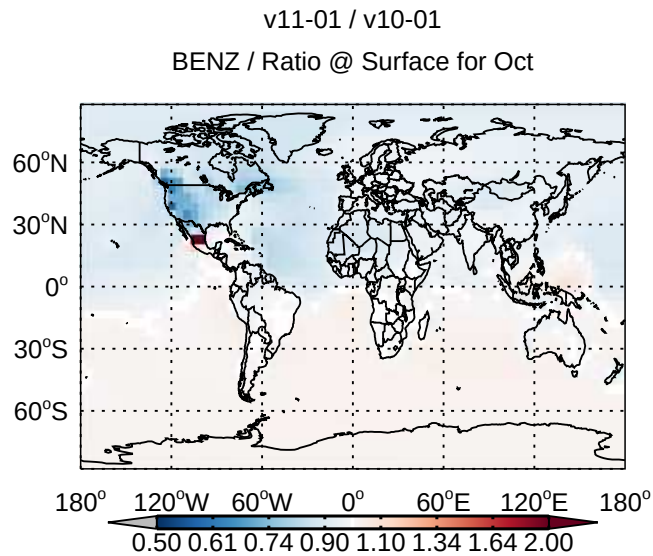
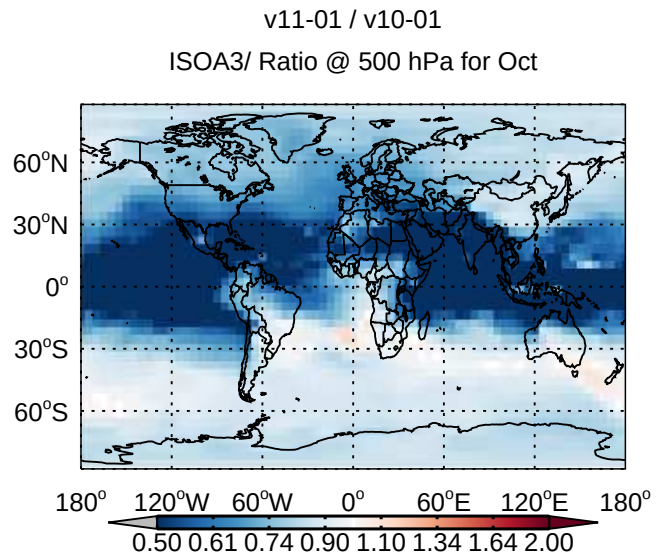
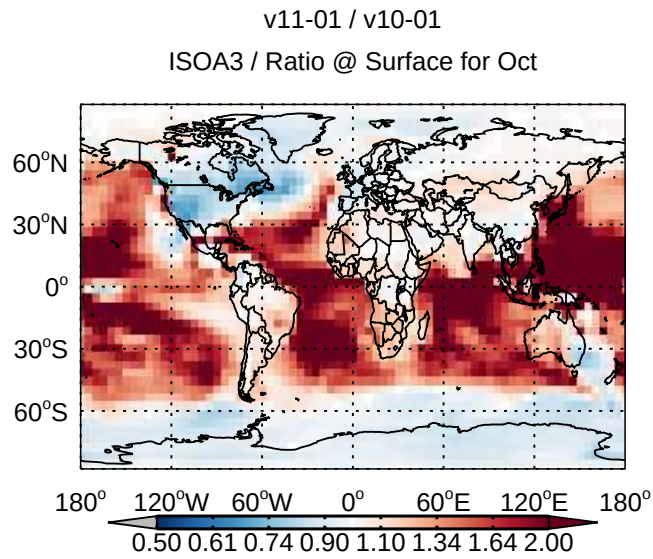
GEOS-Chem Ratio Maps at surface and 500 hPa



GEOS-Chem Ratio Maps at surface and 500 hPa



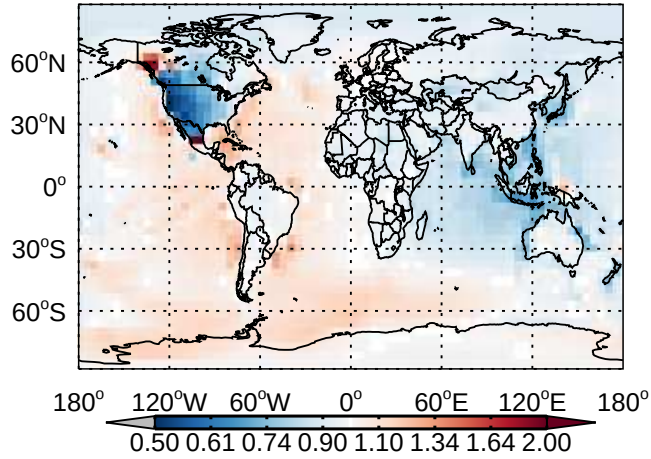
GEOS-Chem Ratio Maps at surface and 500 hPa



GEOS-Chem Ratio Maps at surface and 500 hPa

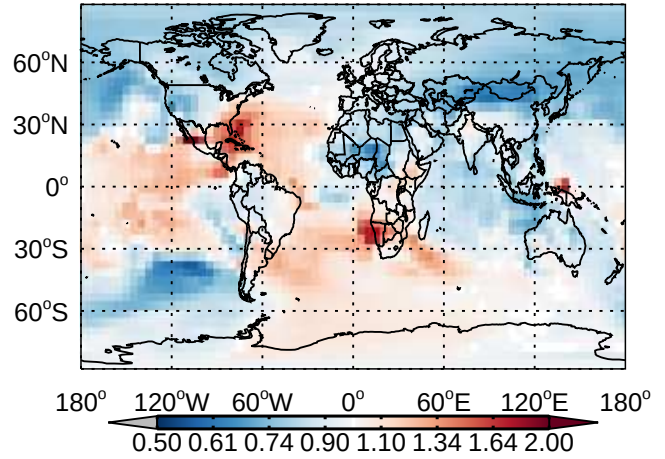
v11-01 / v10-01

XYLE / Ratio @ Surface for Oct



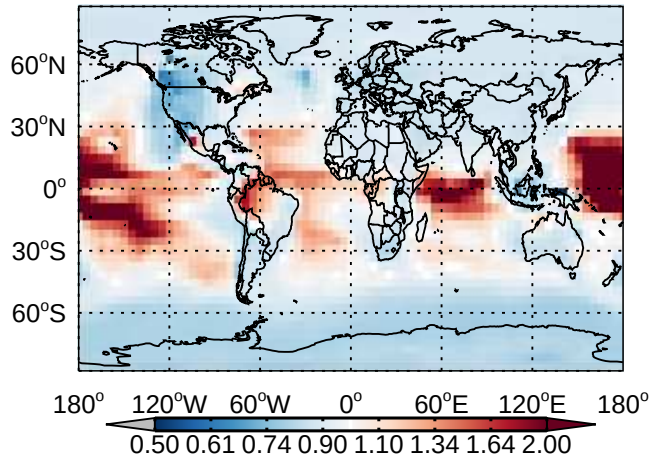
v11-01 / v10-01

XYLE/ Ratio @ 500 hPa for Oct



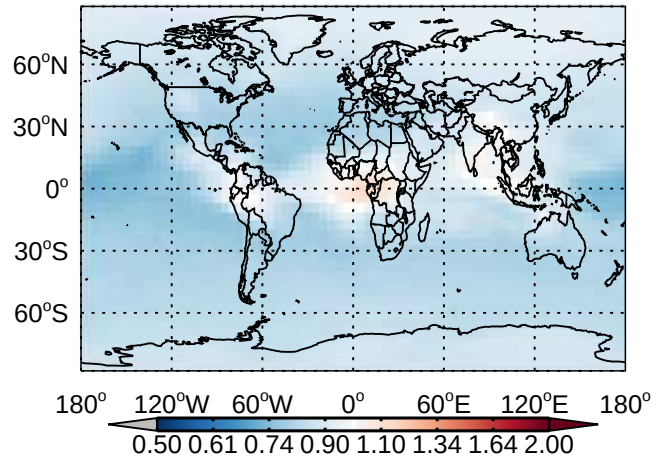
v11-01 / v10-01

ASOG1 / Ratio @ Surface for Oct



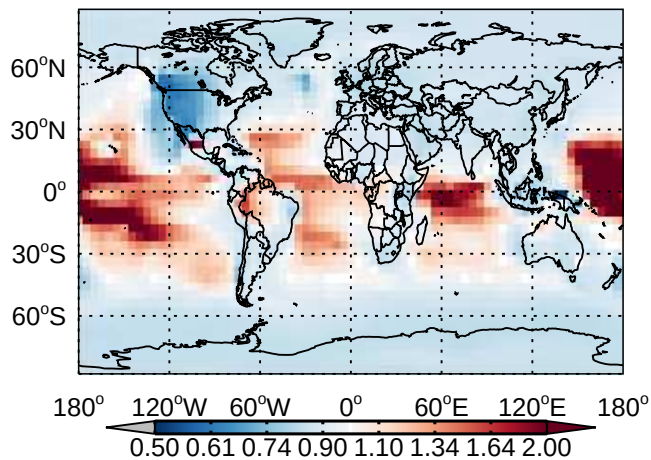
v11-01 / v10-01

ASOG1/ Ratio @ 500 hPa for Oct



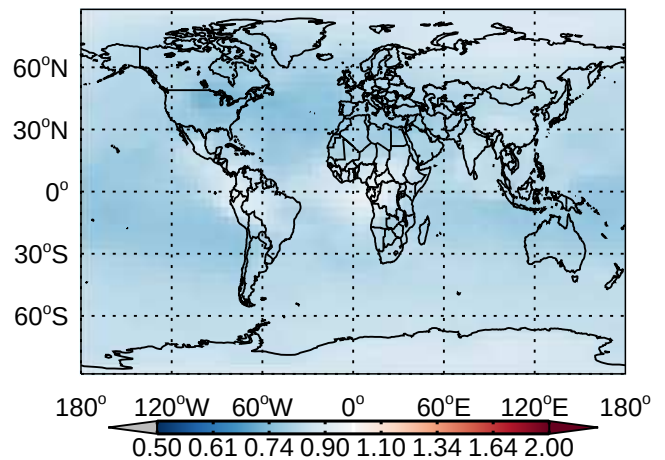
v11-01 / v10-01

ASOG2 / Ratio @ Surface for Oct

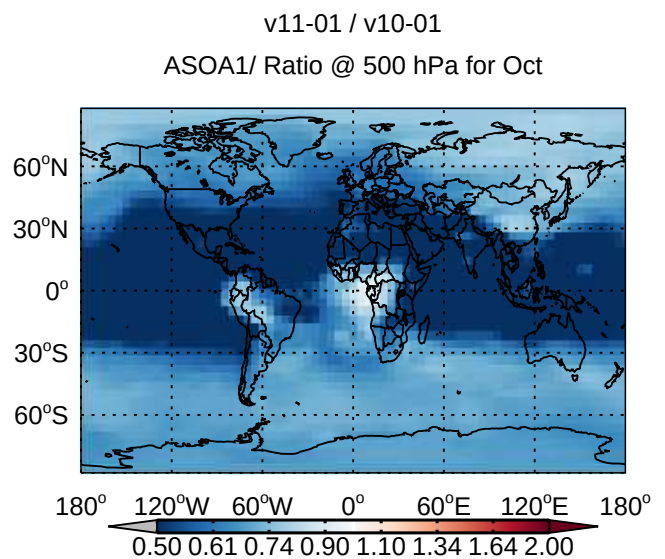
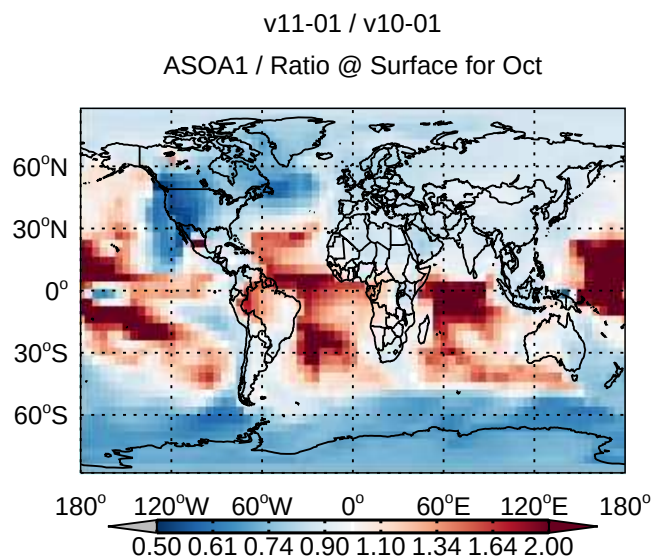
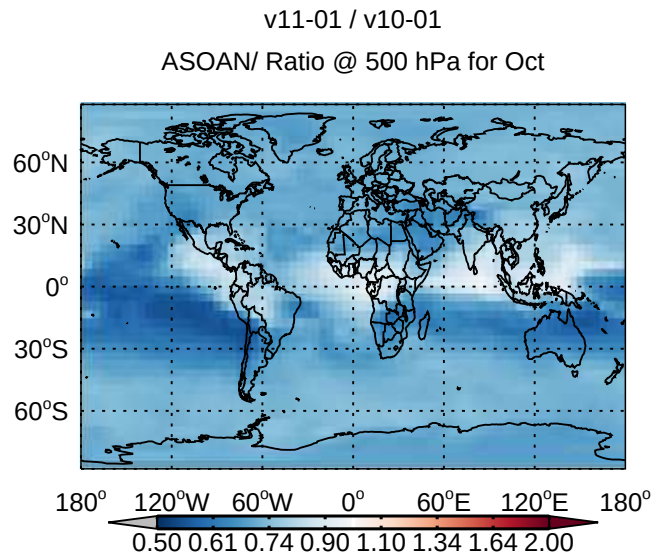
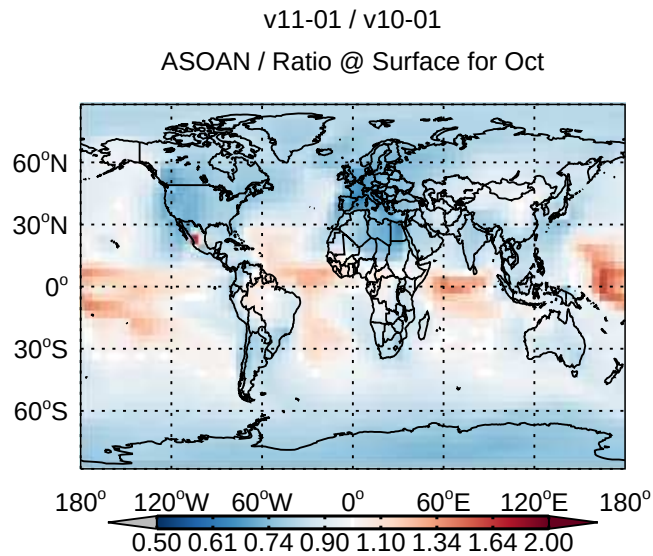
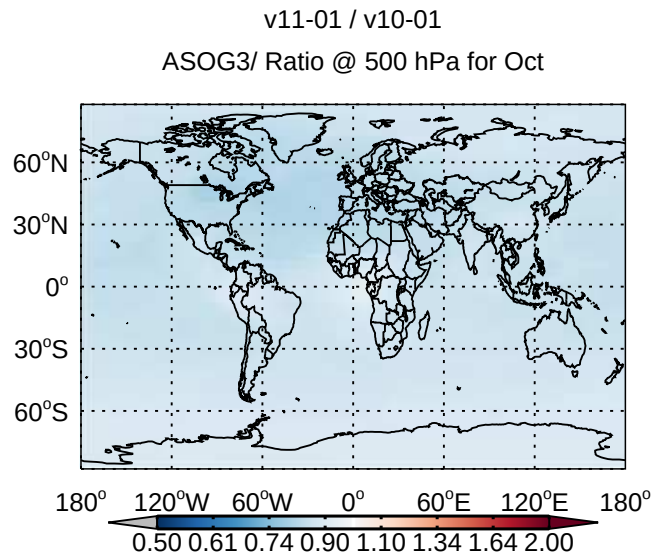
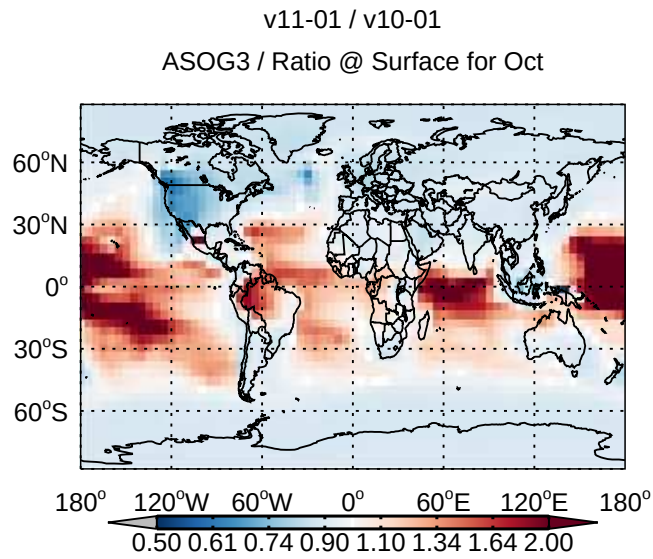


v11-01 / v10-01

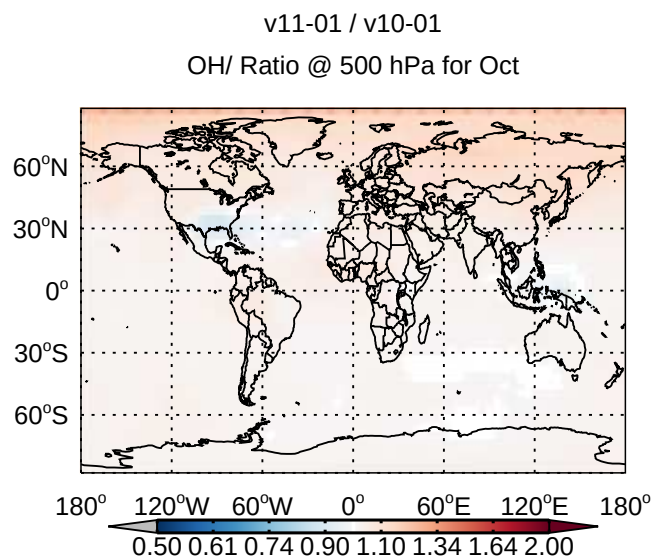
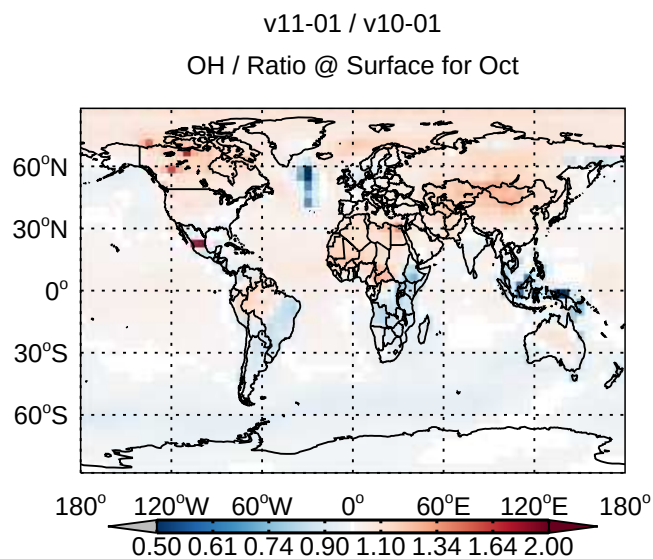
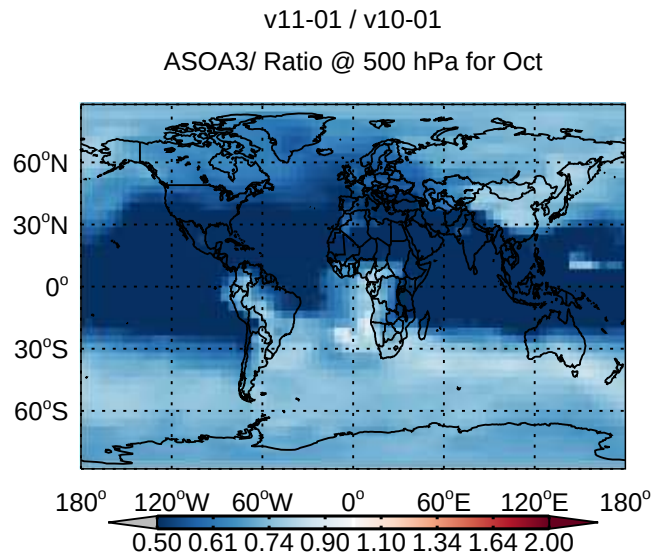
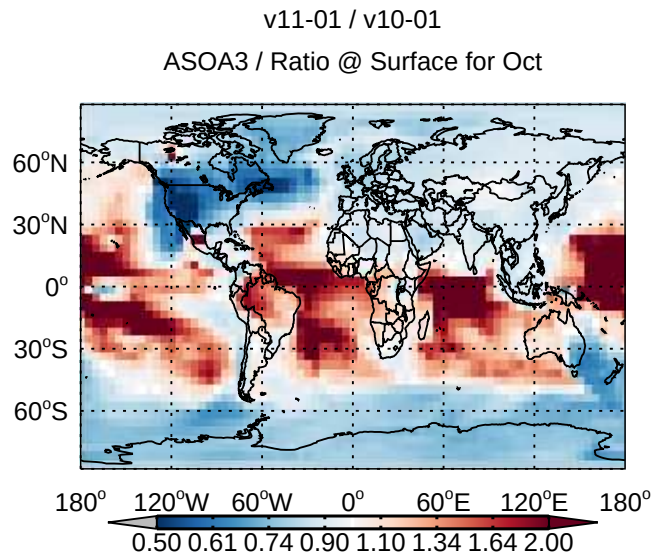
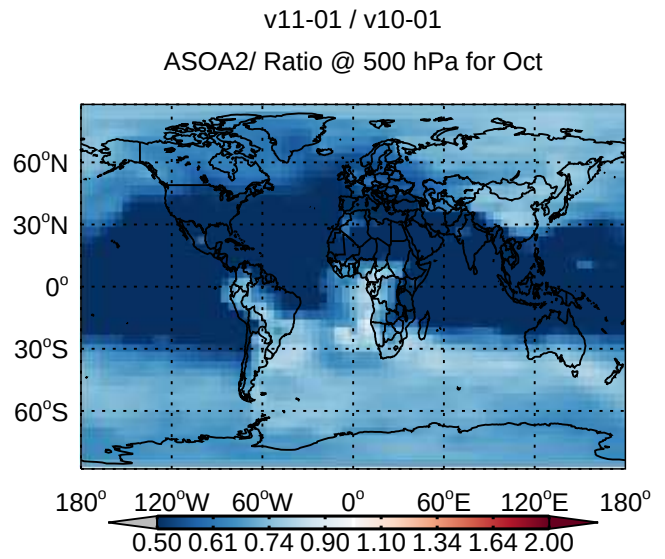
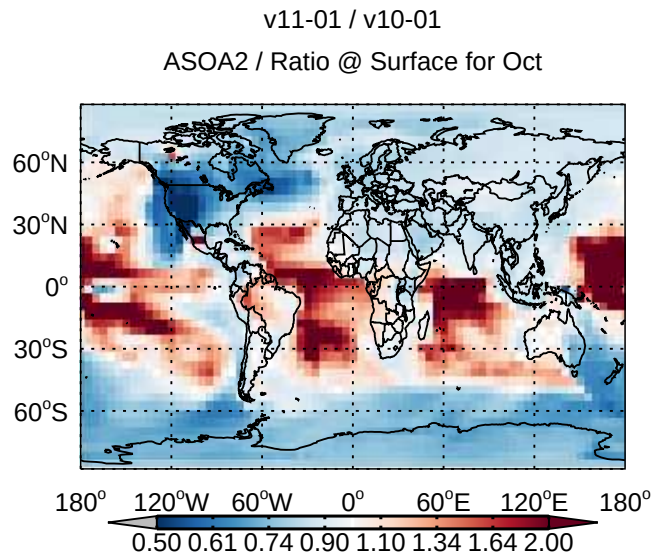
ASOG2/ Ratio @ 500 hPa for Oct



GEOS-Chem Ratio Maps at surface and 500 hPa



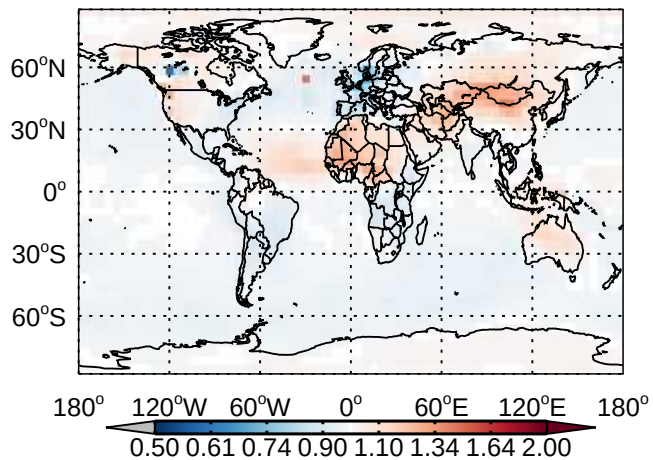
GEOS-Chem Ratio Maps at surface and 500 hPa



GEOS-Chem Ratio Maps at surface and 500 hPa

v11-01 / v10-01

HO2 / Ratio @ Surface for Oct



v11-01 / v10-01

HO2/ Ratio @ 500 hPa for Oct

