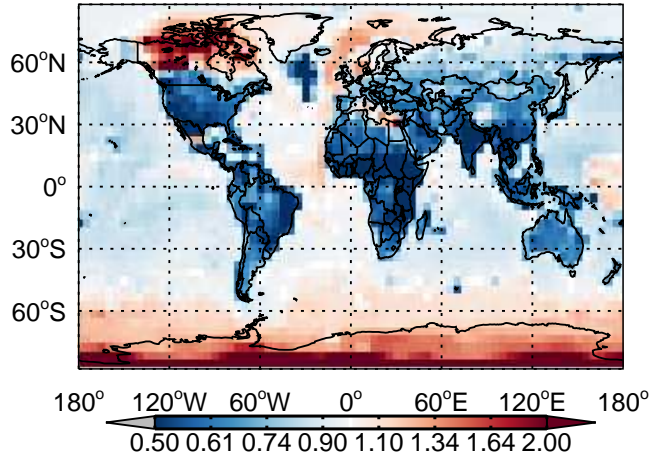


GEOS-Chem Ratio Maps at surface and 500 hPa

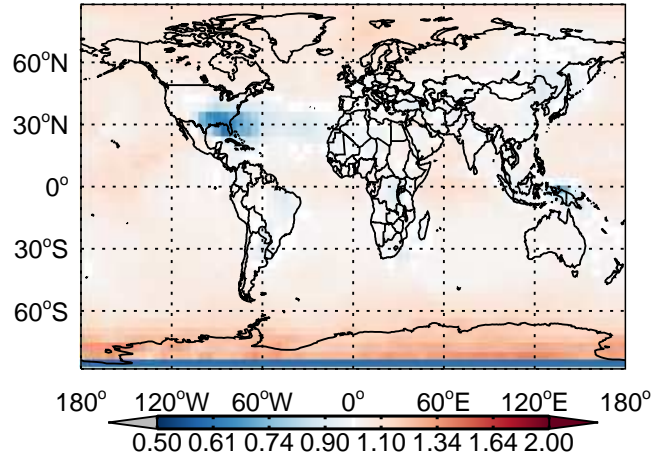
v11-01 / v10-01

NO / Ratio @ Surface for Apr



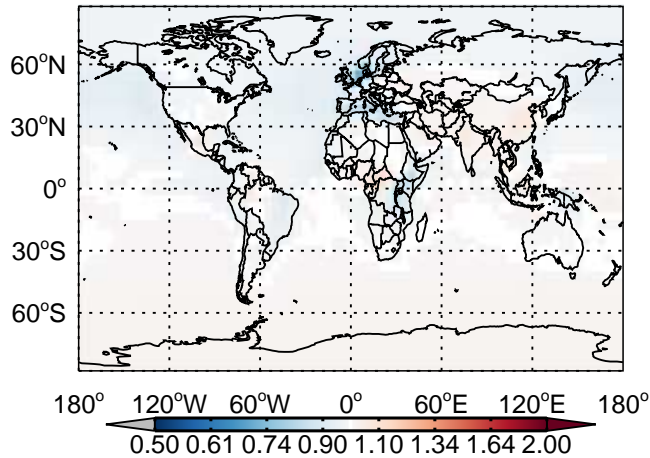
v11-01 / v10-01

NO/ Ratio @ 500 hPa for Apr



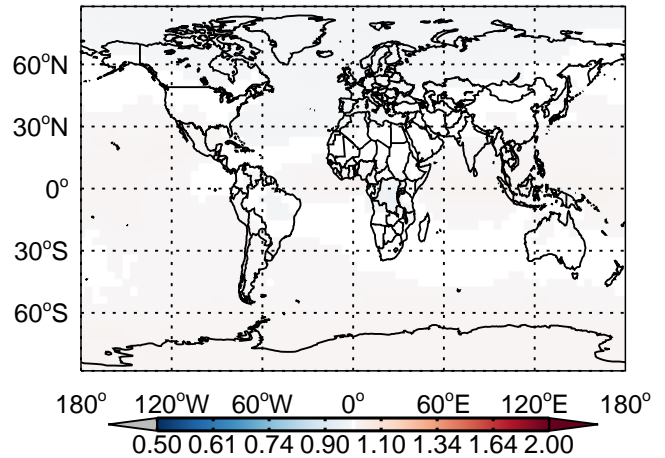
v11-01 / v10-01

O3 / Ratio @ Surface for Apr



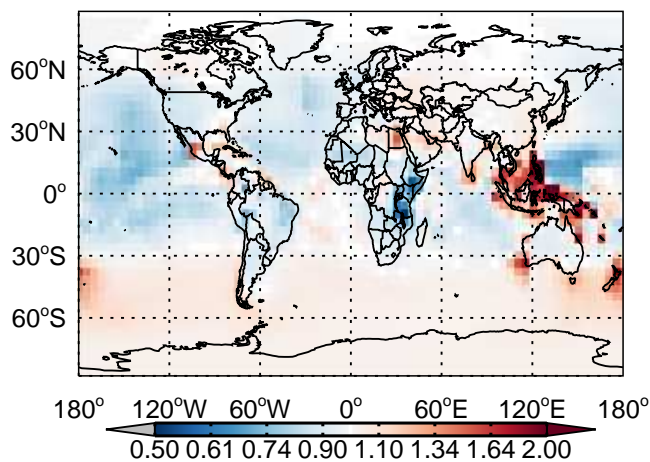
v11-01 / v10-01

O3/ Ratio @ 500 hPa for Apr



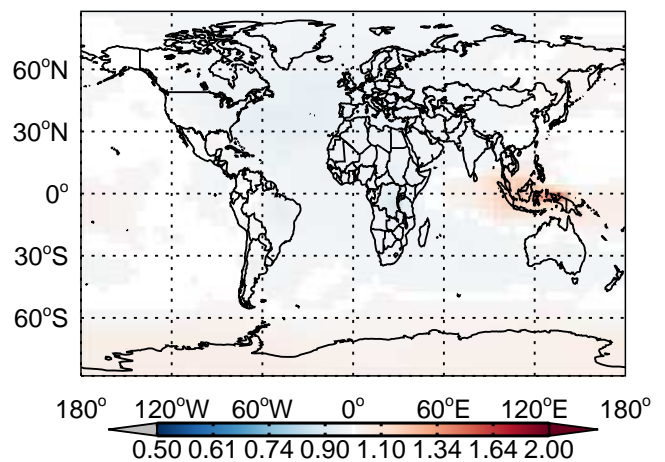
v11-01 / v10-01

PAN / Ratio @ Surface for Apr



v11-01 / v10-01

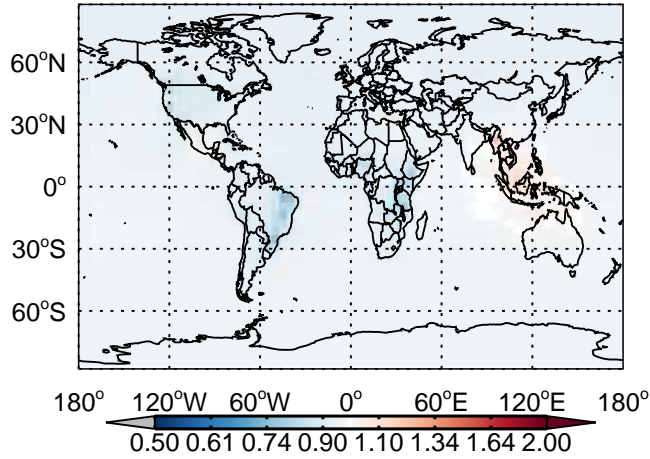
PAN/ Ratio @ 500 hPa for Apr



GEOS-Chem Ratio Maps at surface and 500 hPa

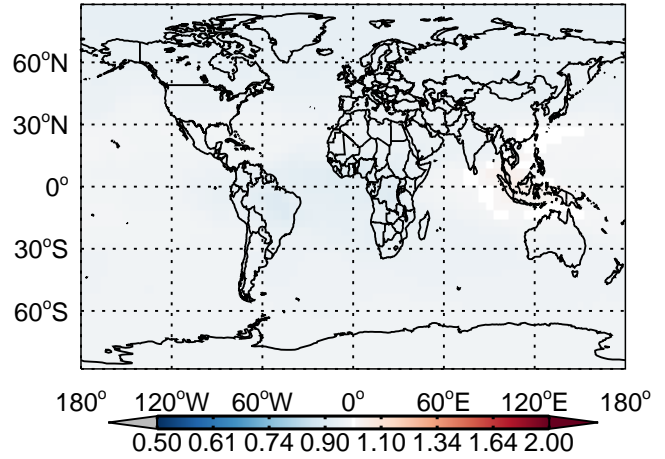
v11-01 / v10-01

CO / Ratio @ Surface for Apr



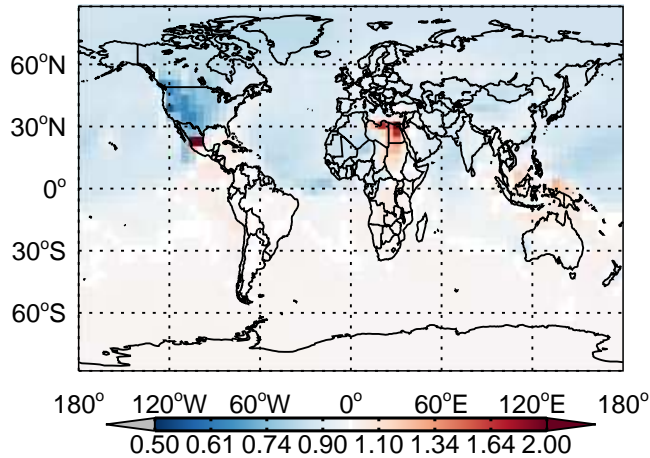
v11-01 / v10-01

CO / Ratio @ 500 hPa for Apr



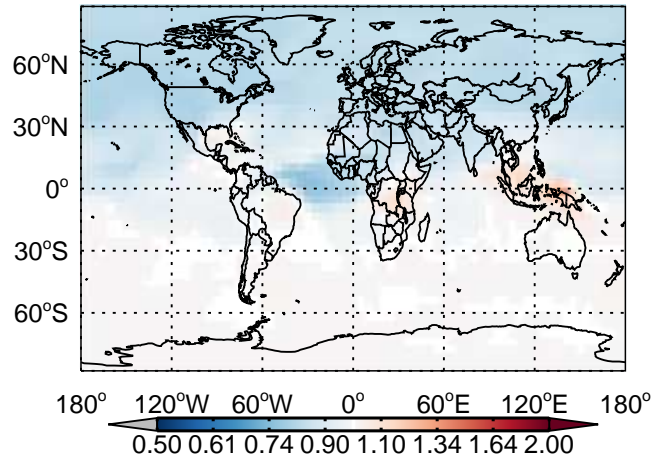
v11-01 / v10-01

ALK4 / Ratio @ Surface for Apr



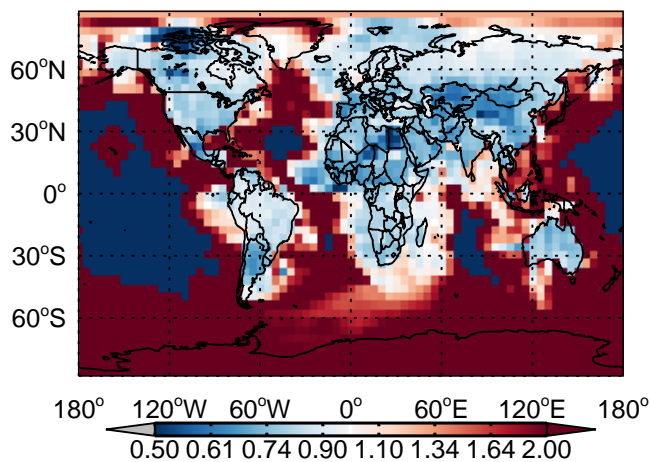
v11-01 / v10-01

ALK4 / Ratio @ 500 hPa for Apr



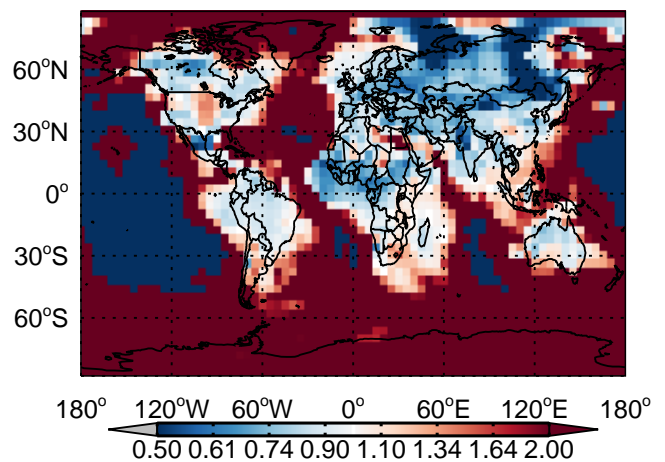
v11-01 / v10-01

ISOP / Ratio @ Surface for Apr



v11-01 / v10-01

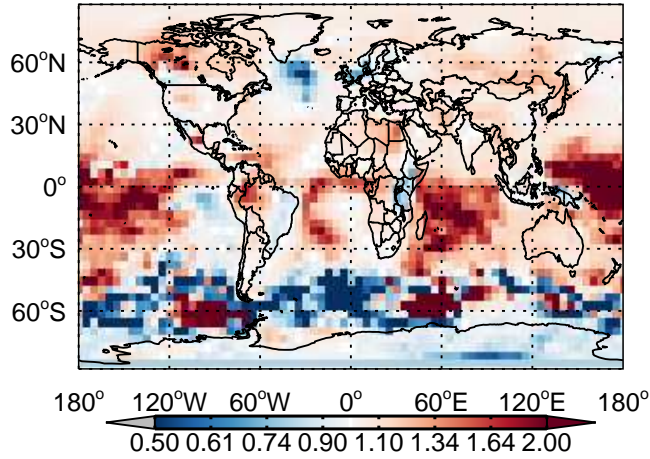
ISOP / Ratio @ 500 hPa for Apr



GEOS-Chem Ratio Maps at surface and 500 hPa

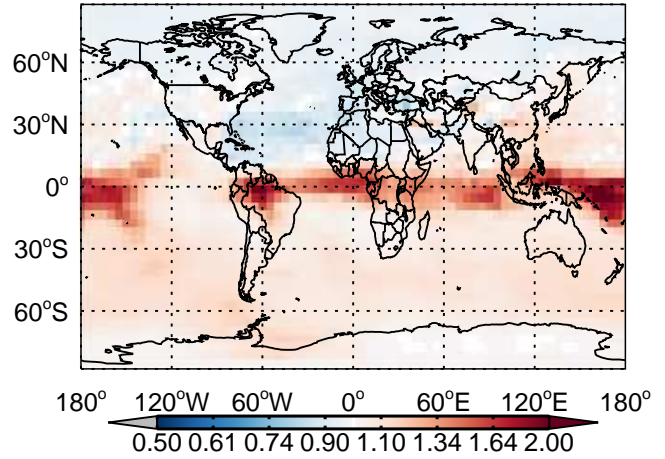
v11-01 / v10-01

HNO₃ / Ratio @ Surface for Apr



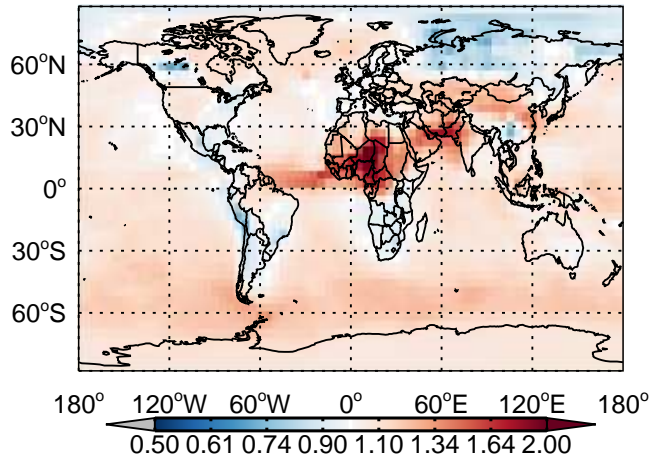
v11-01 / v10-01

HNO₃ / Ratio @ 500 hPa for Apr



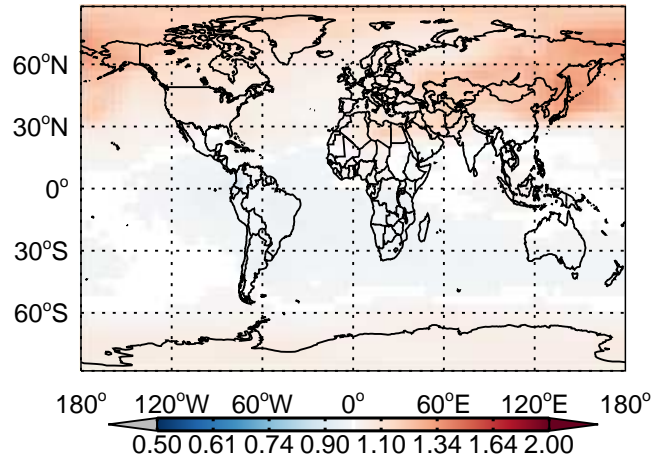
v11-01 / v10-01

H₂O₂ / Ratio @ Surface for Apr



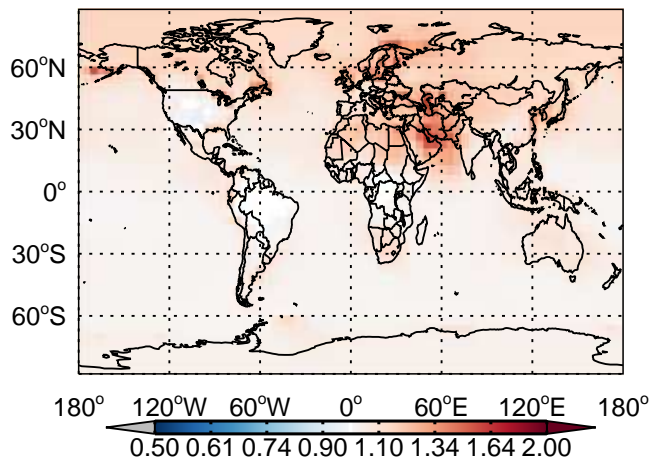
v11-01 / v10-01

H₂O₂ / Ratio @ 500 hPa for Apr



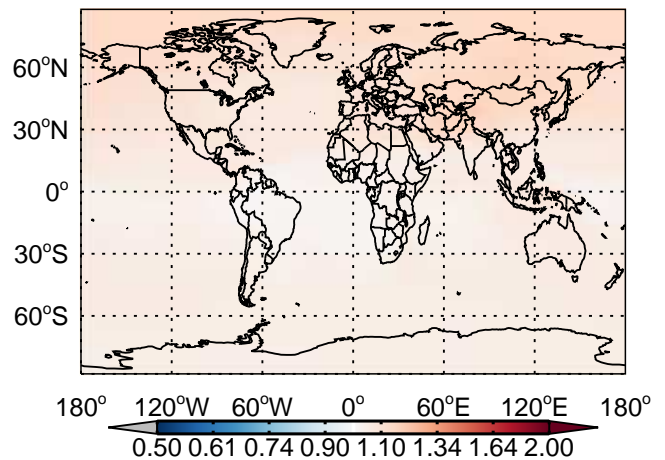
v11-01 / v10-01

ACET / Ratio @ Surface for Apr



v11-01 / v10-01

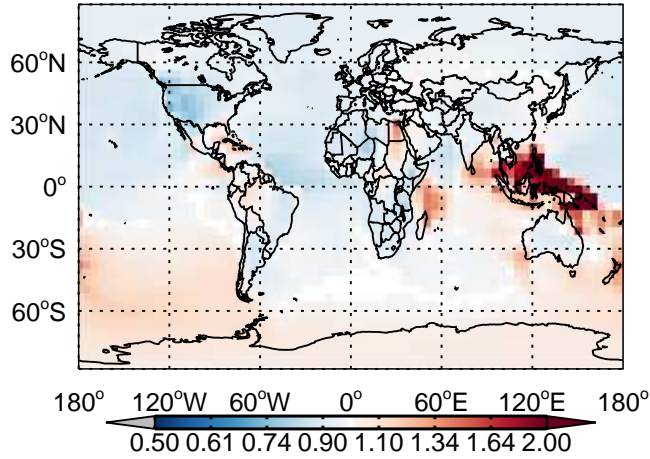
ACET / Ratio @ 500 hPa for Apr



GEOS-Chem Ratio Maps at surface and 500 hPa

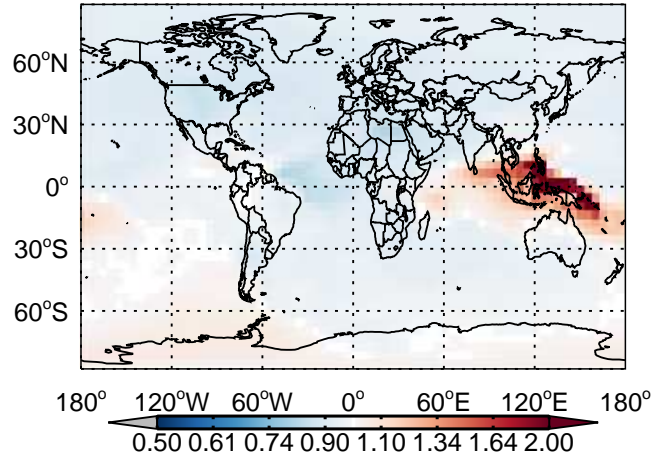
v11-01 / v10-01

MEK / Ratio @ Surface for Apr



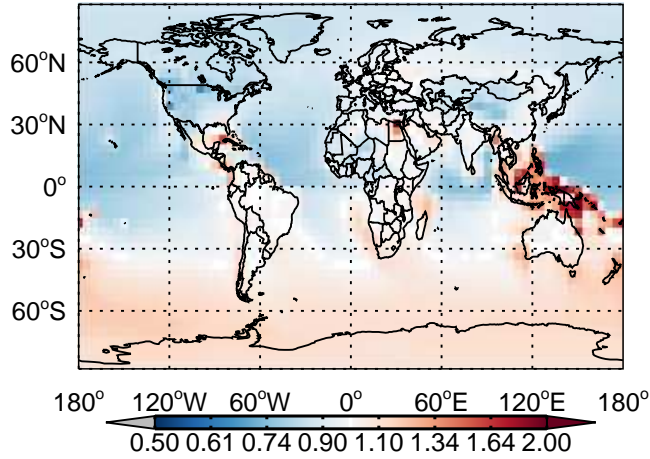
v11-01 / v10-01

MEK / Ratio @ 500 hPa for Apr



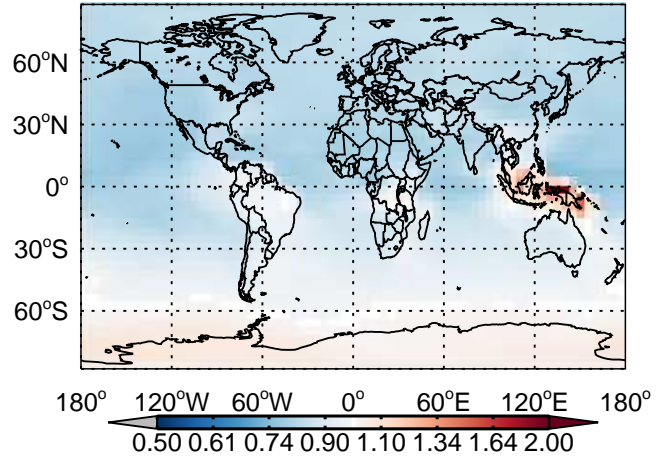
v11-01 / v10-01

ALD2 / Ratio @ Surface for Apr



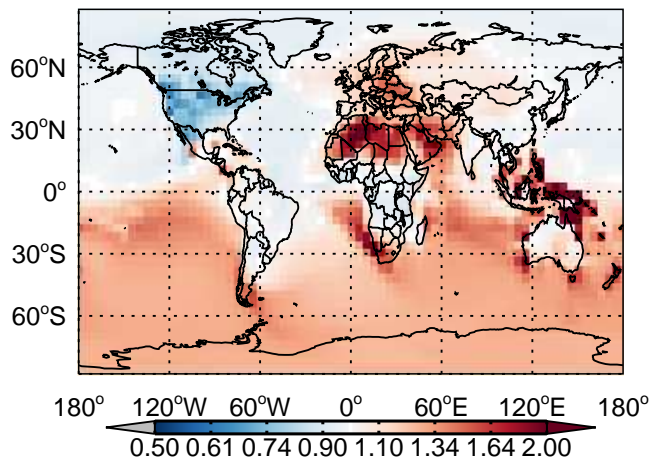
v11-01 / v10-01

ALD2 / Ratio @ 500 hPa for Apr



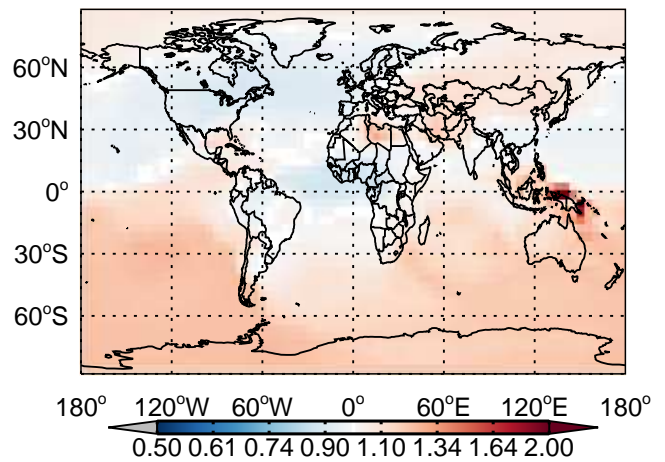
v11-01 / v10-01

RCHO / Ratio @ Surface for Apr



v11-01 / v10-01

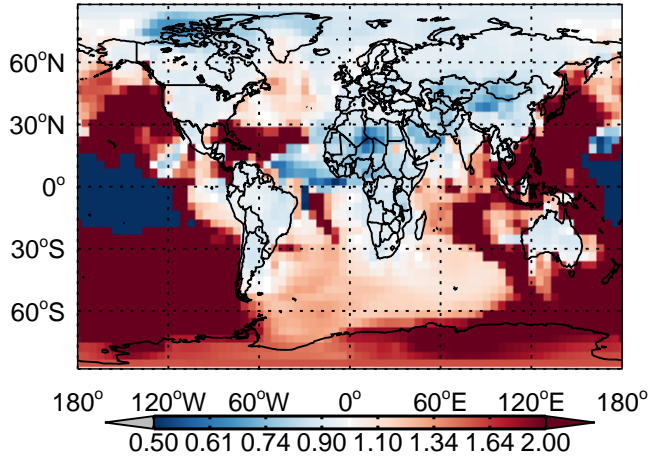
RCHO / Ratio @ 500 hPa for Apr



GEOS-Chem Ratio Maps at surface and 500 hPa

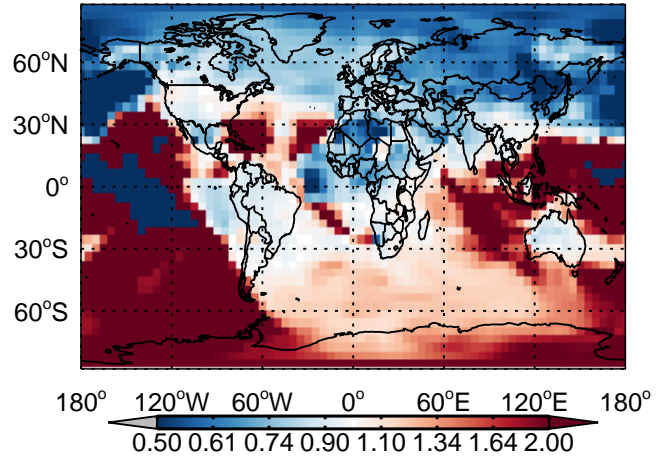
v11-01 / v10-01

MVK / Ratio @ Surface for Apr



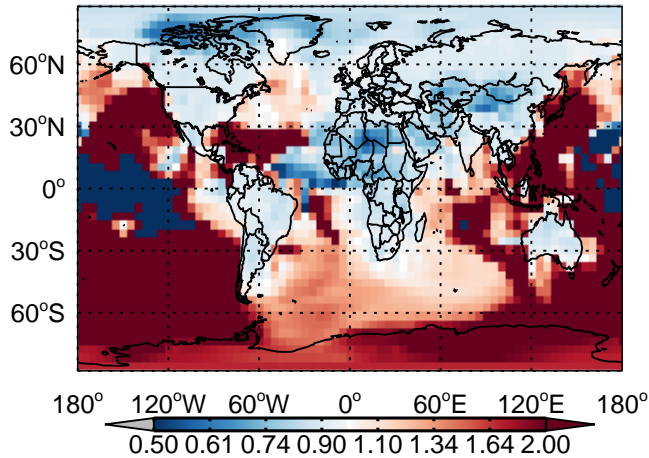
v11-01 / v10-01

MVK/ Ratio @ 500 hPa for Apr



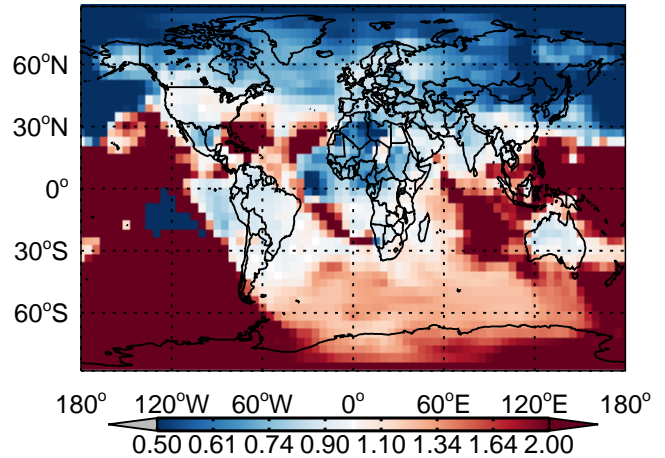
v11-01 / v10-01

MACR / Ratio @ Surface for Apr



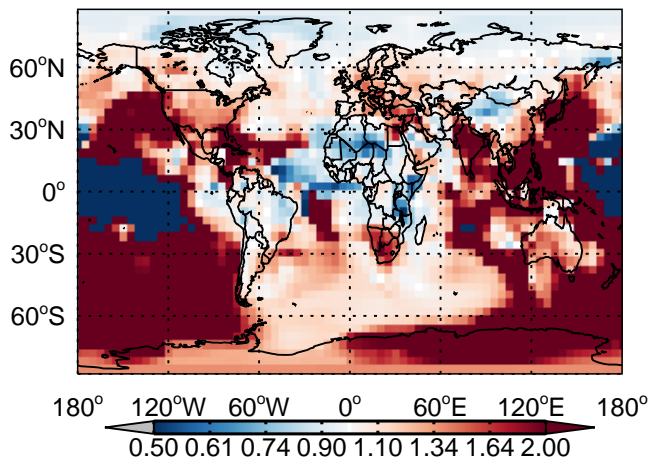
v11-01 / v10-01

MACR/ Ratio @ 500 hPa for Apr



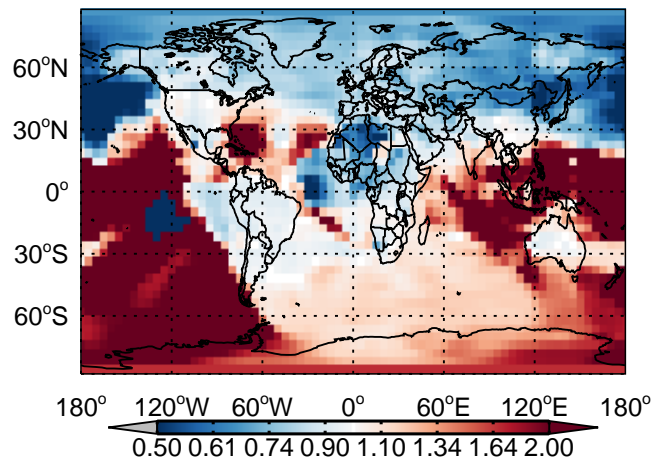
v11-01 / v10-01

PMN / Ratio @ Surface for Apr



v11-01 / v10-01

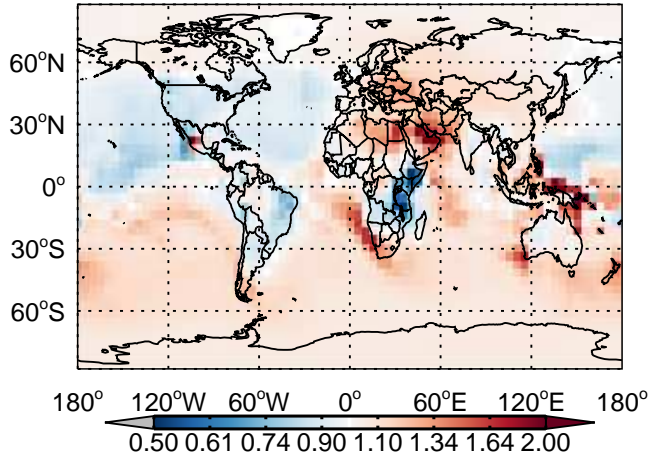
PMN/ Ratio @ 500 hPa for Apr



GEOS-Chem Ratio Maps at surface and 500 hPa

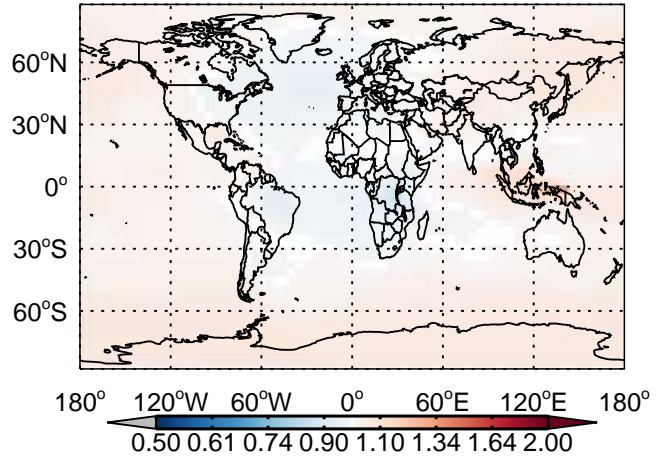
v11-01 / v10-01

PPN / Ratio @ Surface for Apr



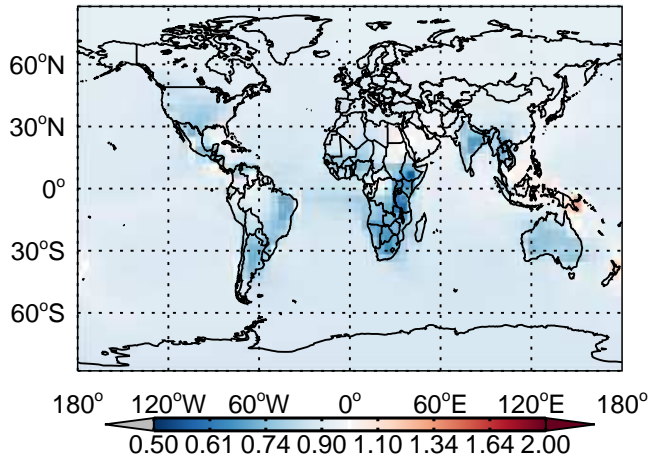
v11-01 / v10-01

PPN/ Ratio @ 500 hPa for Apr



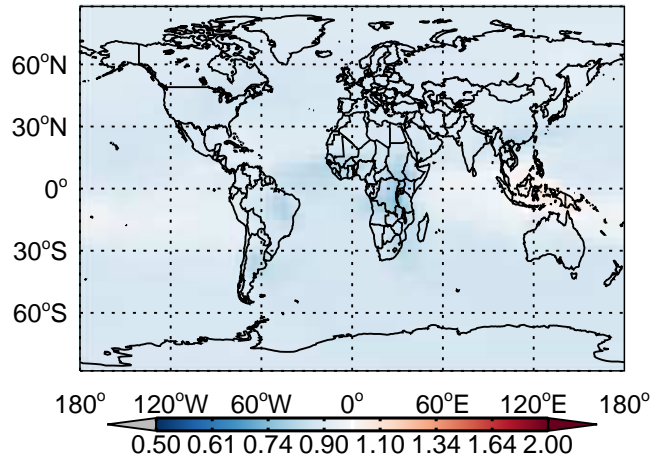
v11-01 / v10-01

R4N2 / Ratio @ Surface for Apr



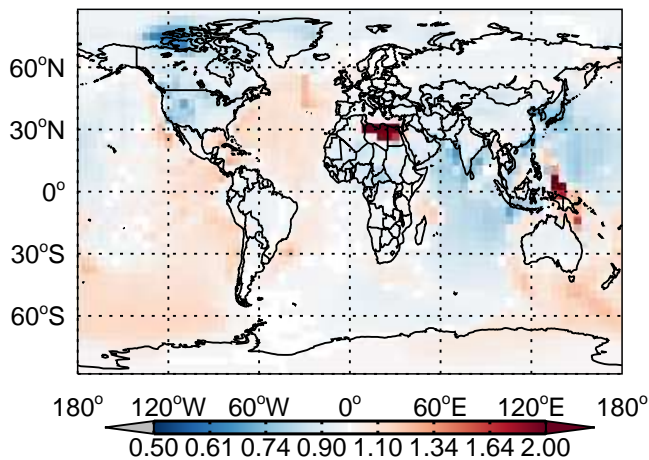
v11-01 / v10-01

R4N2/ Ratio @ 500 hPa for Apr



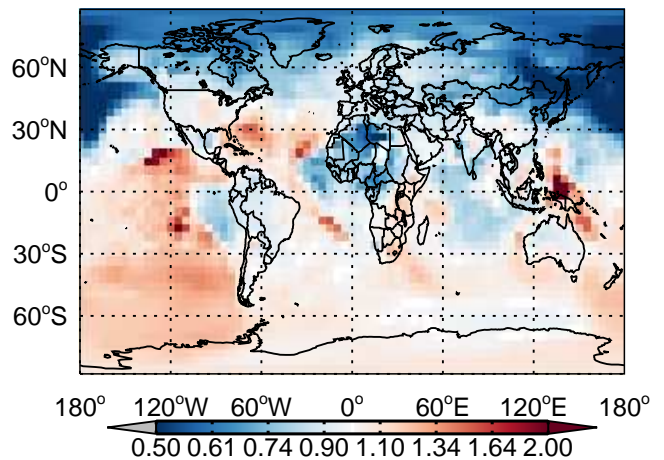
v11-01 / v10-01

PRPE / Ratio @ Surface for Apr



v11-01 / v10-01

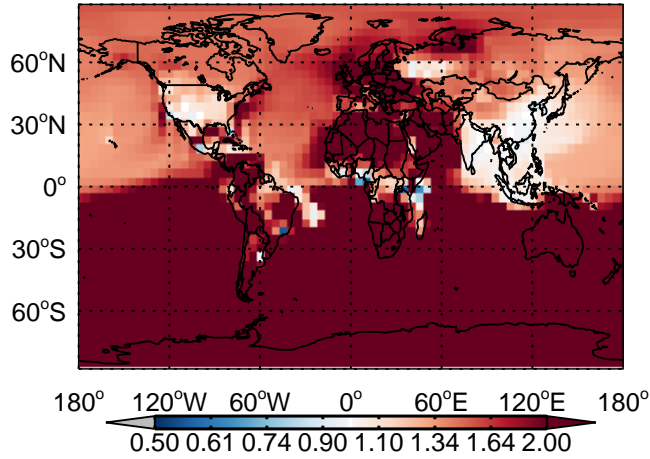
PRPE/ Ratio @ 500 hPa for Apr



GEOS-Chem Ratio Maps at surface and 500 hPa

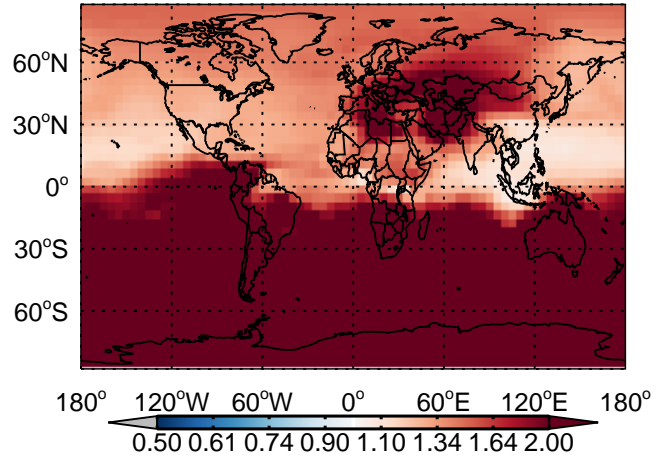
v11-01 / v10-01

C3H8 / Ratio @ Surface for Apr



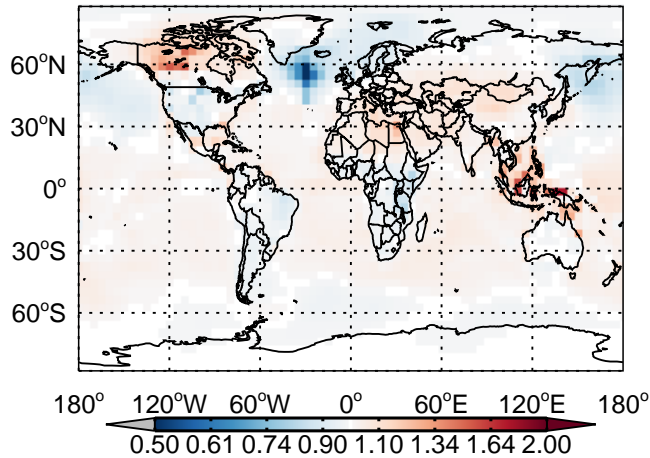
v11-01 / v10-01

C3H8/ Ratio @ 500 hPa for Apr



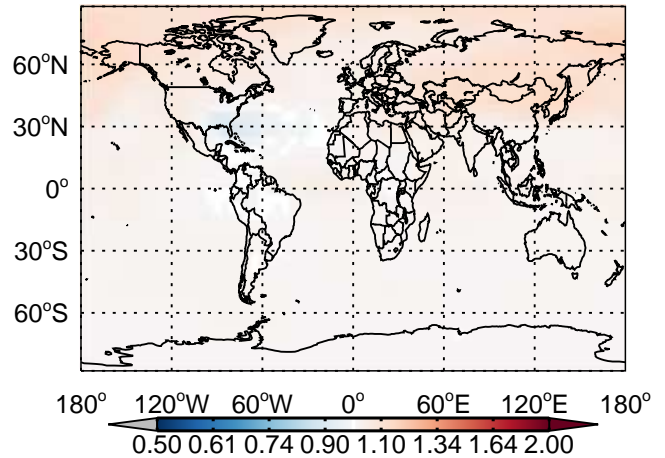
v11-01 / v10-01

CH2O / Ratio @ Surface for Apr



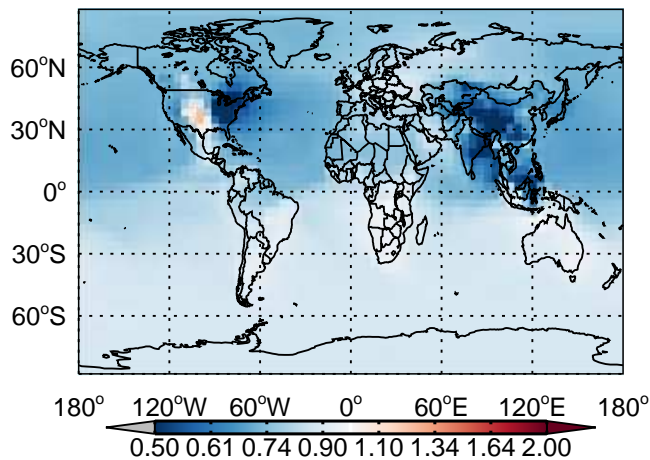
v11-01 / v10-01

CH2O/ Ratio @ 500 hPa for Apr



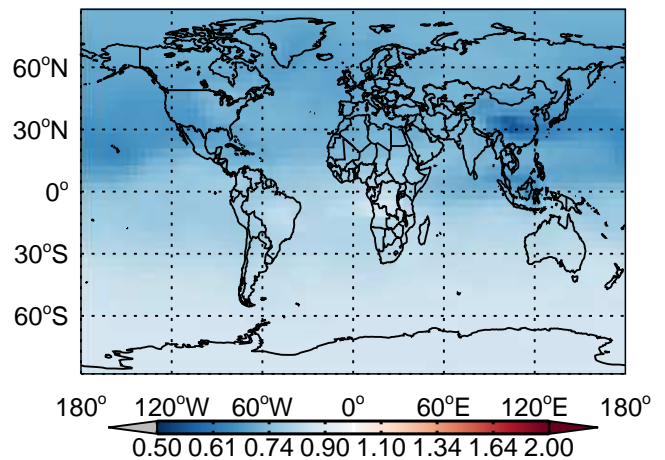
v11-01 / v10-01

C2H6 / Ratio @ Surface for Apr



v11-01 / v10-01

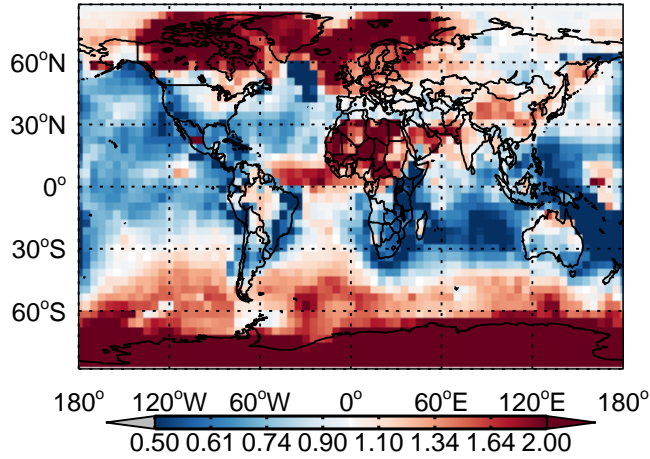
C2H6/ Ratio @ 500 hPa for Apr



GEOS-Chem Ratio Maps at surface and 500 hPa

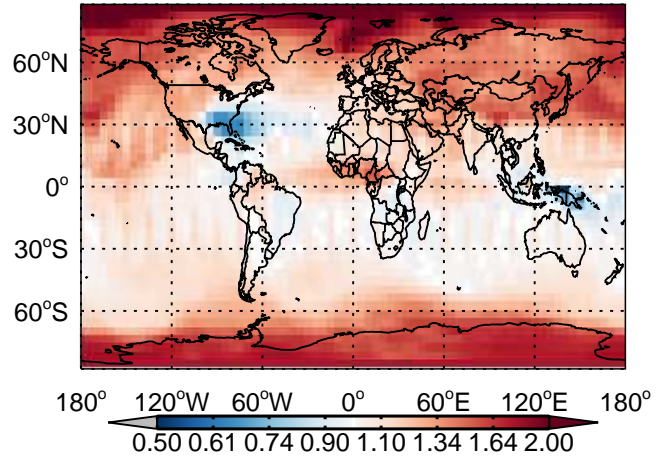
v11-01 / v10-01

N2O5 / Ratio @ Surface for Apr



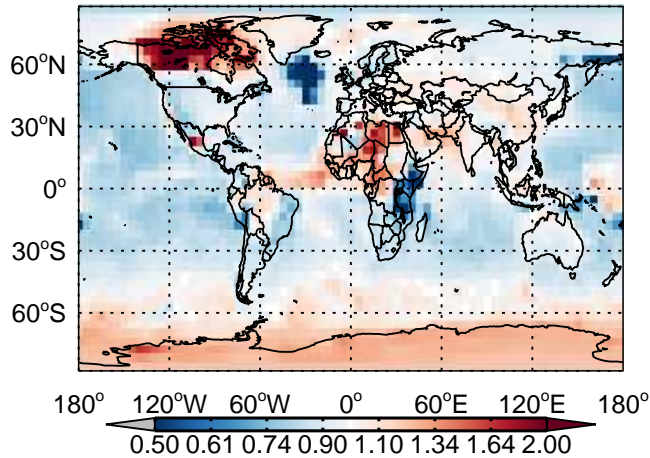
v11-01 / v10-01

N2O5/ Ratio @ 500 hPa for Apr



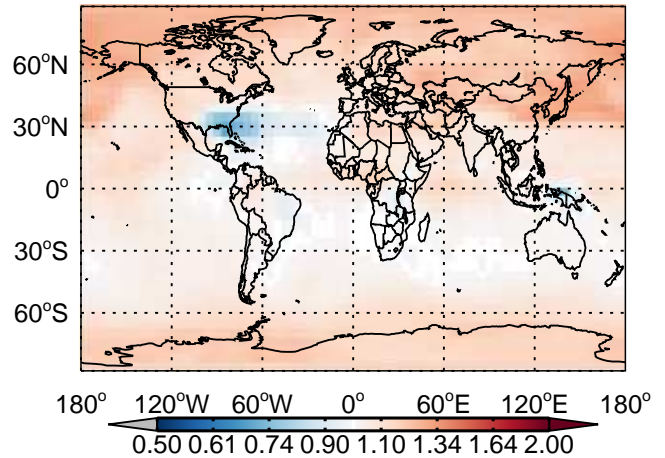
v11-01 / v10-01

HNO4 / Ratio @ Surface for Apr



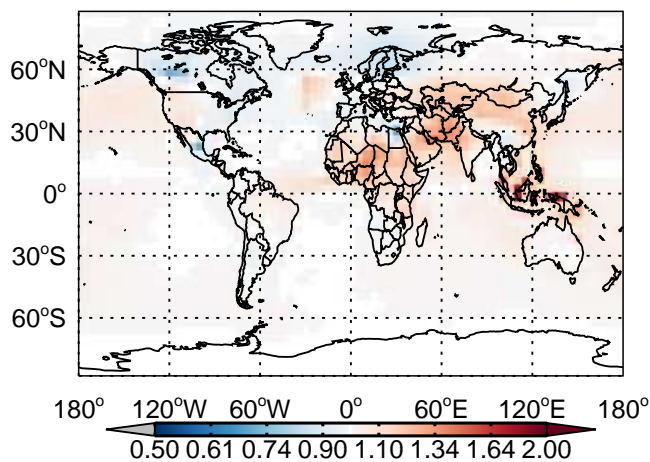
v11-01 / v10-01

HNO4/ Ratio @ 500 hPa for Apr



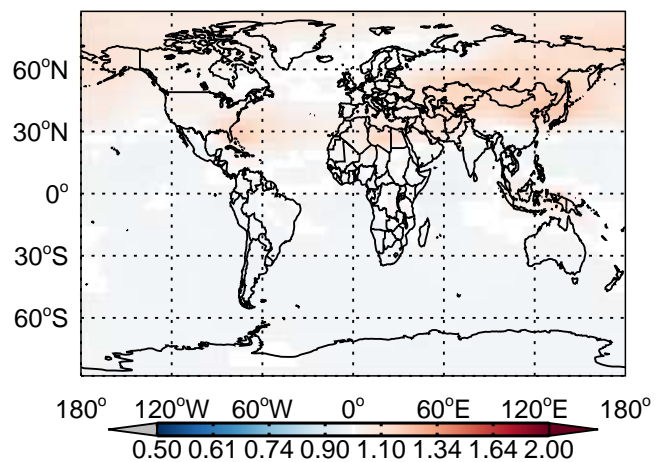
v11-01 / v10-01

MP / Ratio @ Surface for Apr



v11-01 / v10-01

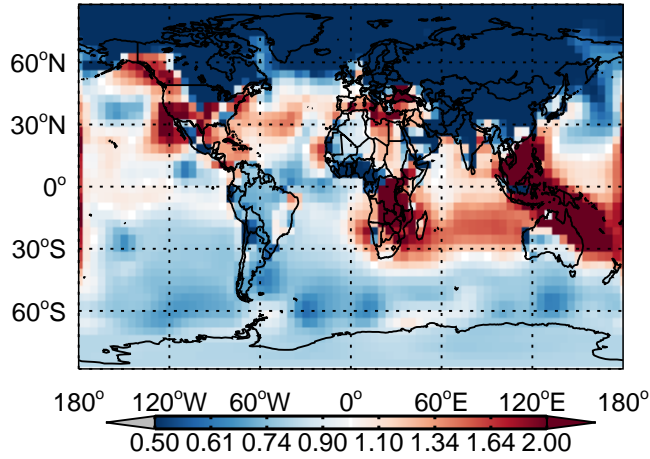
MP/ Ratio @ 500 hPa for Apr



GEOS-Chem Ratio Maps at surface and 500 hPa

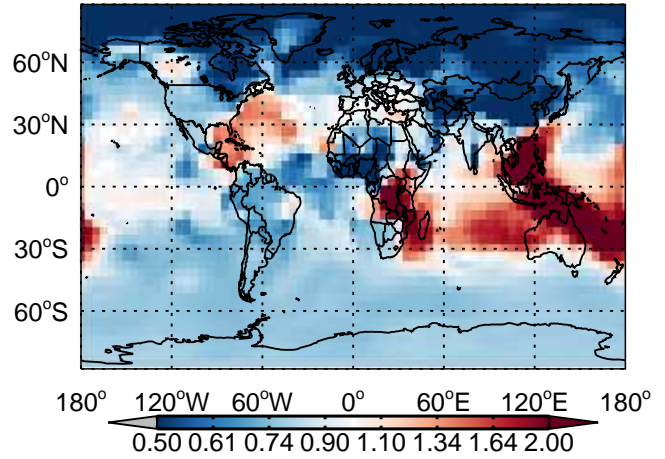
v11-01 / v10-01

DMS / Ratio @ Surface for Apr



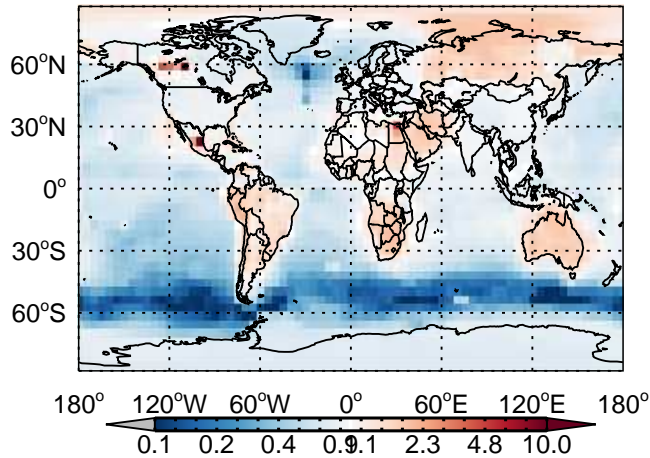
v11-01 / v10-01

DMS/ Ratio @ 500 hPa for Apr



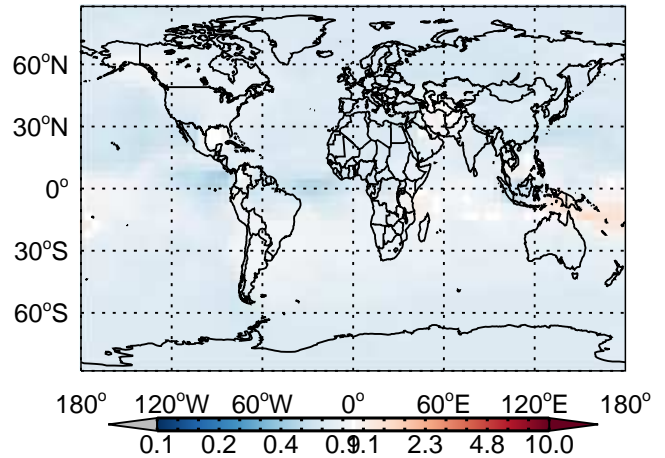
v11-01 / v10-01

SO2 / Ratio @ Surface for Apr



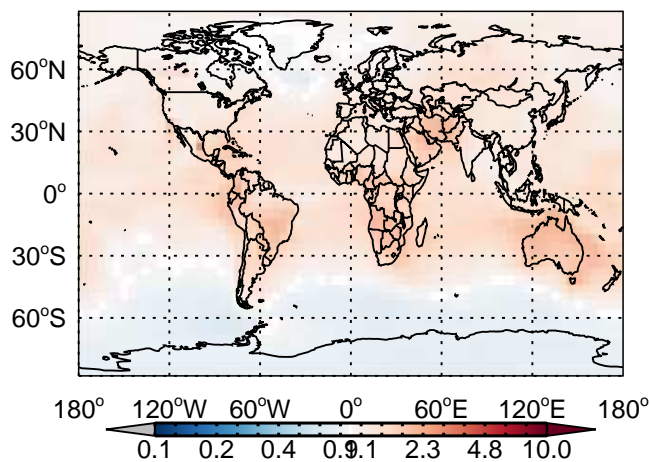
v11-01 / v10-01

SO2/ Ratio @ 500 hPa for Apr



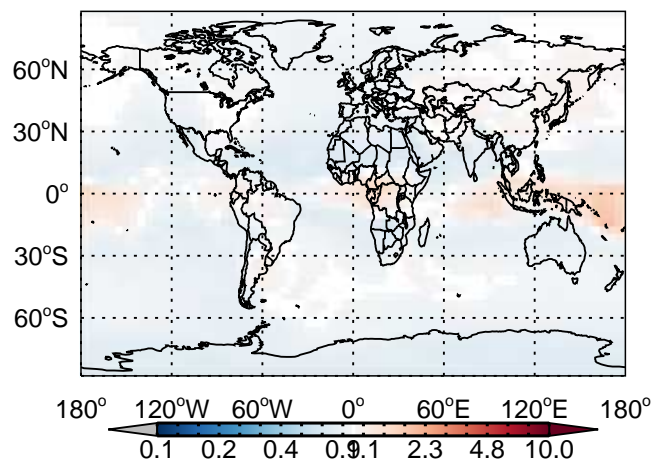
v11-01 / v10-01

SO4 / Ratio @ Surface for Apr



v11-01 / v10-01

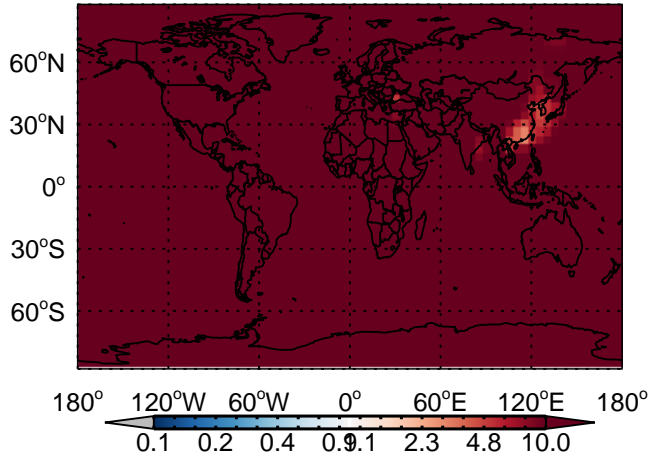
SO4/ Ratio @ 500 hPa for Apr



GEOS-Chem Ratio Maps at surface and 500 hPa

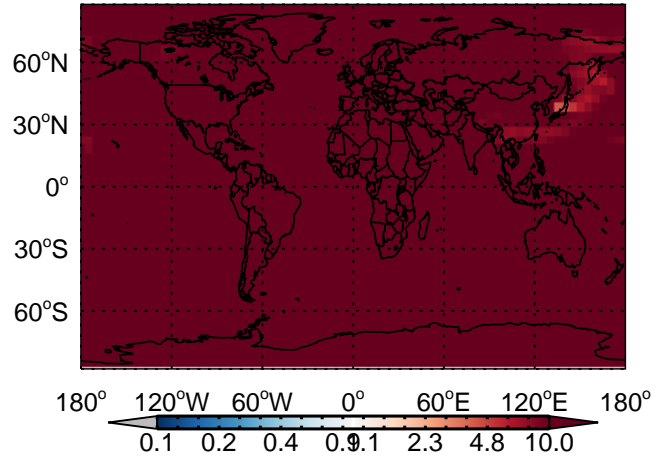
v11-01 / v10-01

SO₄s / Ratio @ Surface for Apr



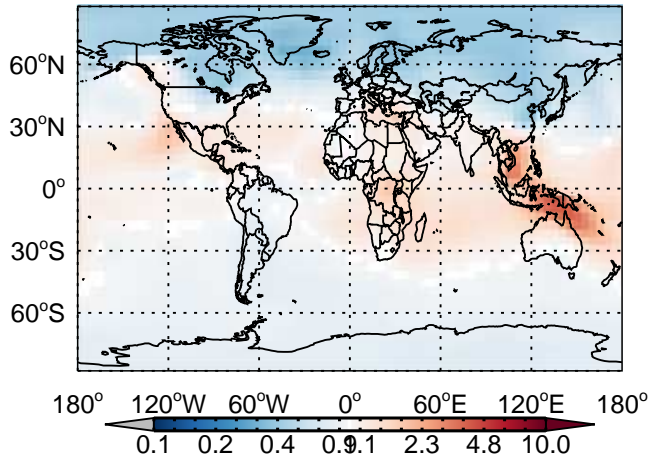
v11-01 / v10-01

SO₄s / Ratio @ 500 hPa for Apr



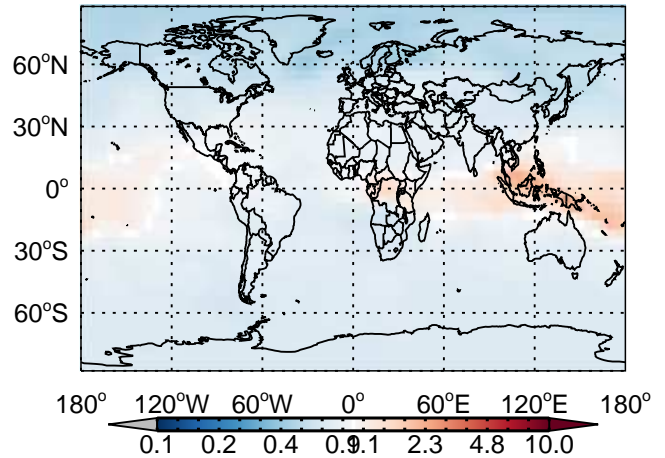
v11-01 / v10-01

MSA / Ratio @ Surface for Apr



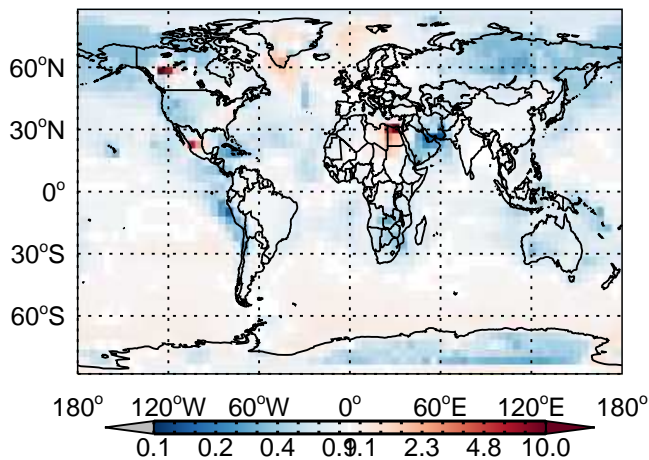
v11-01 / v10-01

MSA / Ratio @ 500 hPa for Apr



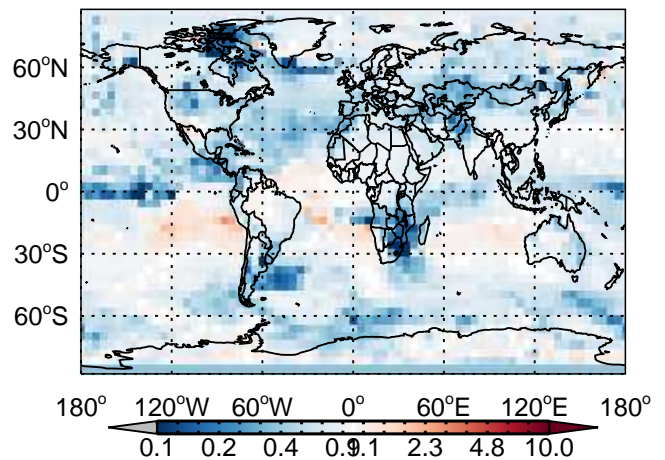
v11-01 / v10-01

NH₃ / Ratio @ Surface for Apr



v11-01 / v10-01

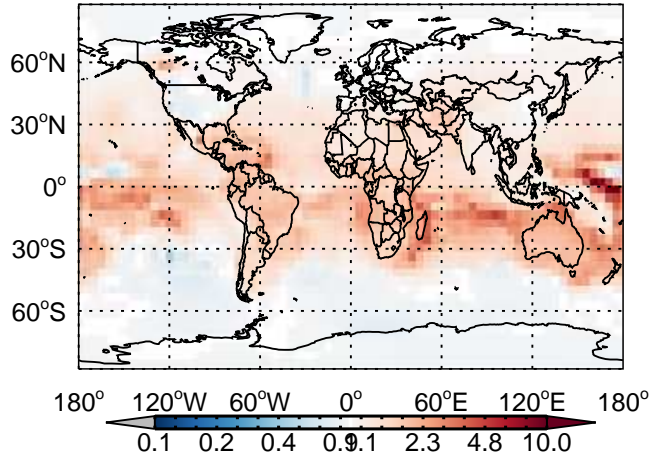
NH₃ / Ratio @ 500 hPa for Apr



GEOS-Chem Ratio Maps at surface and 500 hPa

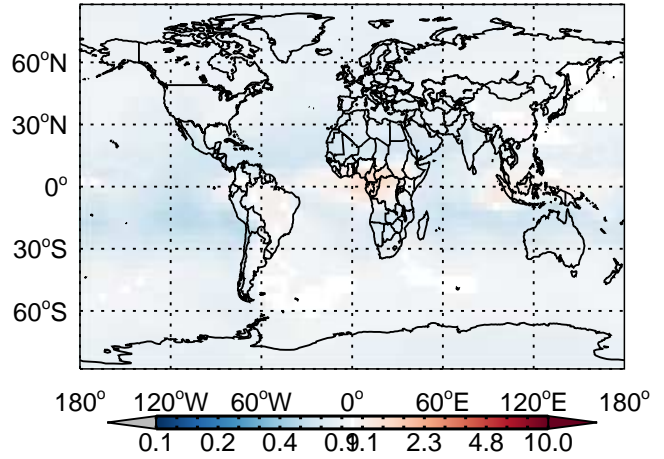
v11-01 / v10-01

NH₄ / Ratio @ Surface for Apr



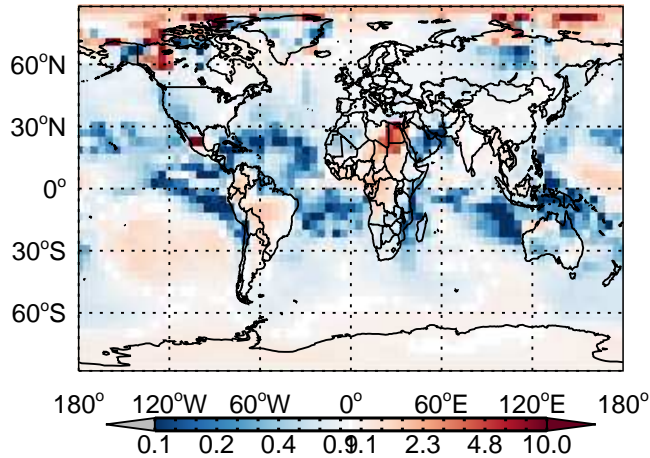
v11-01 / v10-01

NH₄ / Ratio @ 500 hPa for Apr



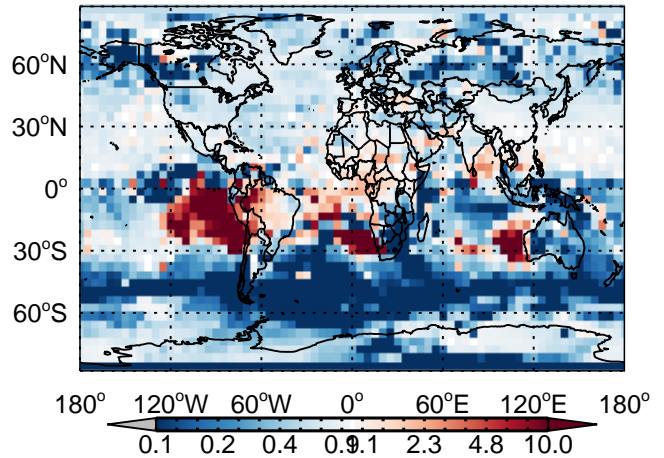
v11-01 / v10-01

NIT / Ratio @ Surface for Apr



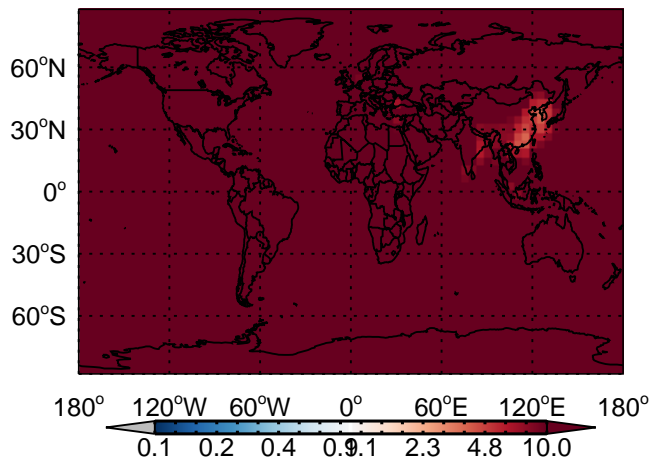
v11-01 / v10-01

NIT / Ratio @ 500 hPa for Apr



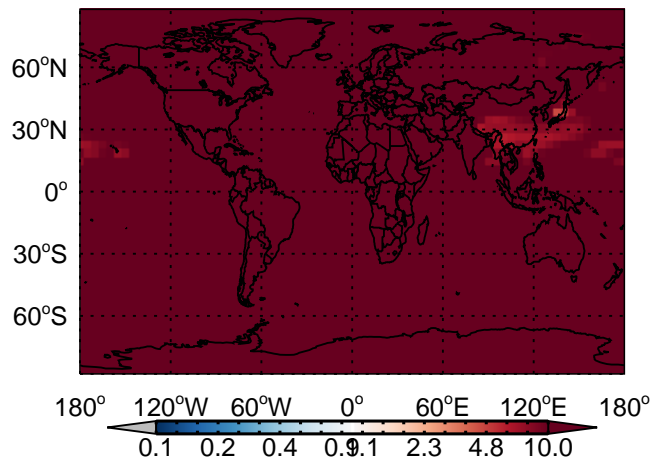
v11-01 / v10-01

NITs / Ratio @ Surface for Apr



v11-01 / v10-01

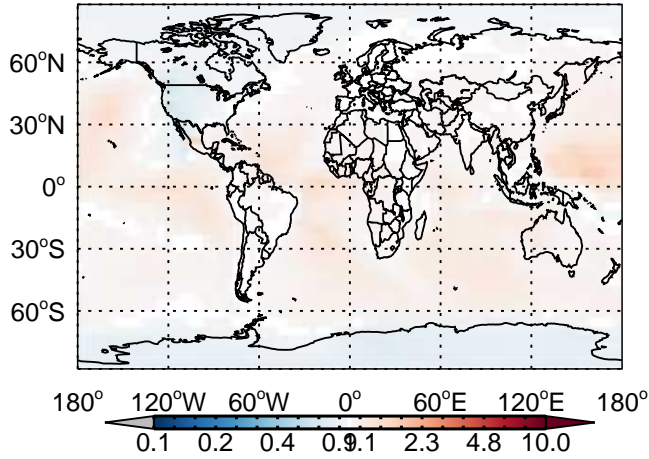
NITs / Ratio @ 500 hPa for Apr



GEOS-Chem Ratio Maps at surface and 500 hPa

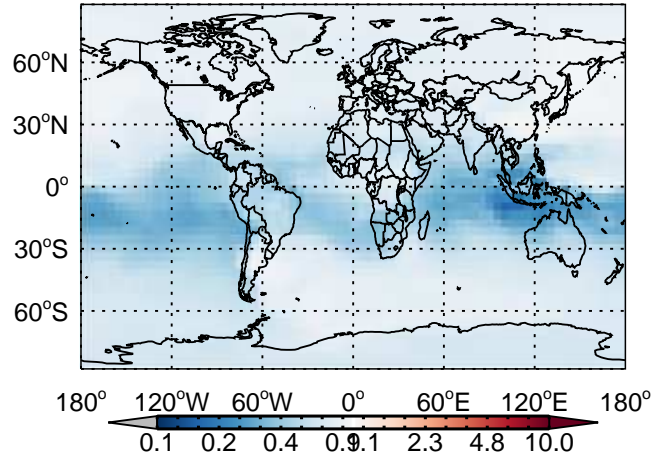
v11-01 / v10-01

BCPI / Ratio @ Surface for Apr



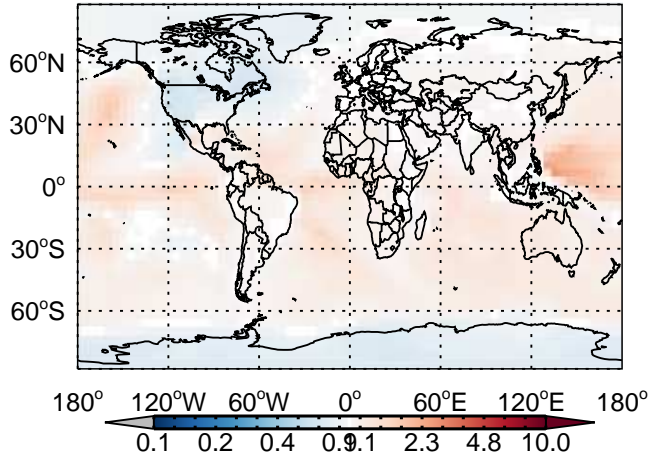
v11-01 / v10-01

BCPI/ Ratio @ 500 hPa for Apr



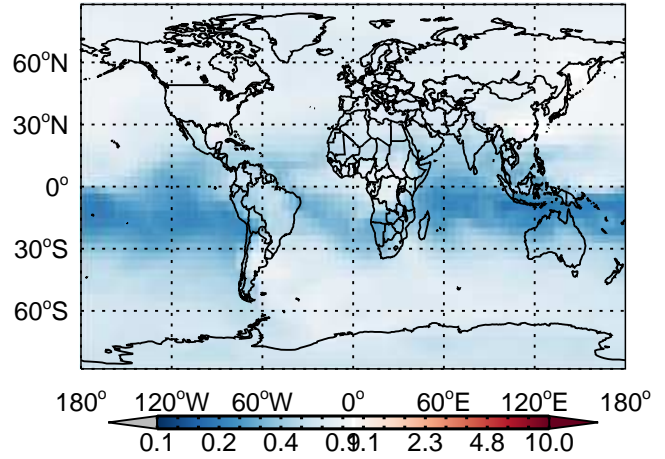
v11-01 / v10-01

OCPI / Ratio @ Surface for Apr



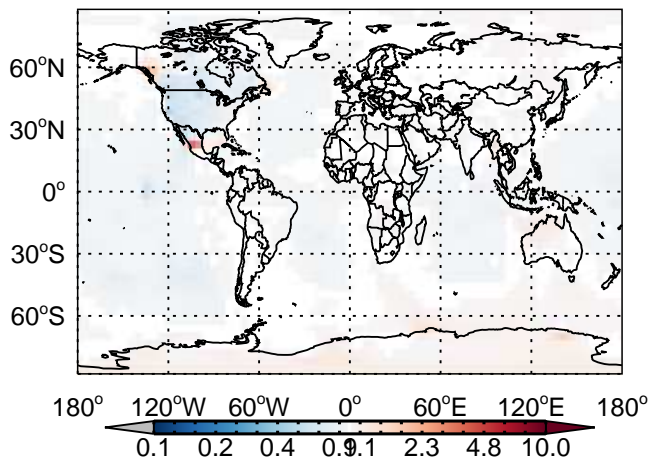
v11-01 / v10-01

OCPI/ Ratio @ 500 hPa for Apr



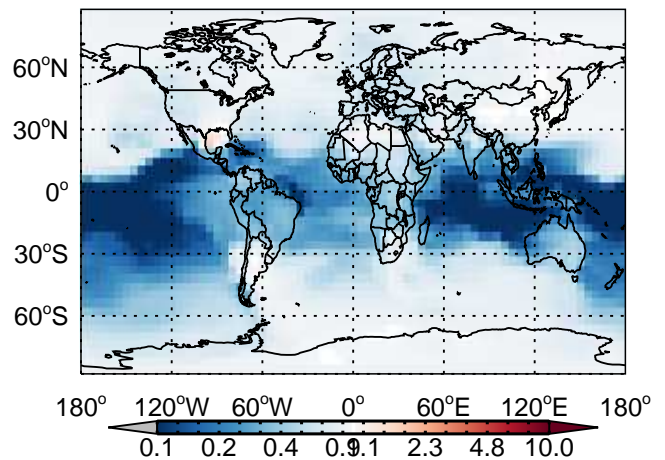
v11-01 / v10-01

BCPO / Ratio @ Surface for Apr



v11-01 / v10-01

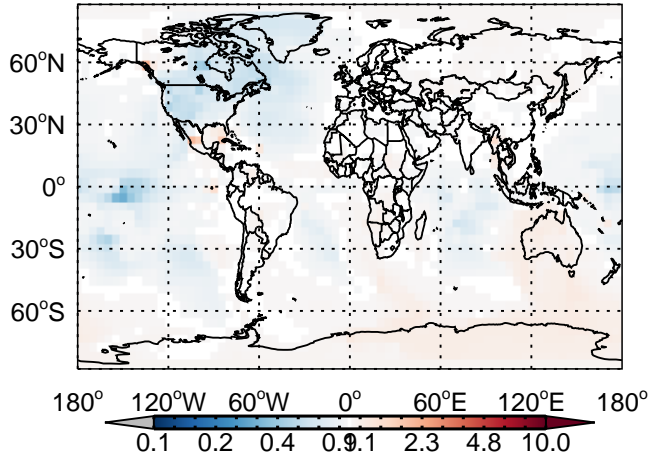
BCPO/ Ratio @ 500 hPa for Apr



GEOS-Chem Ratio Maps at surface and 500 hPa

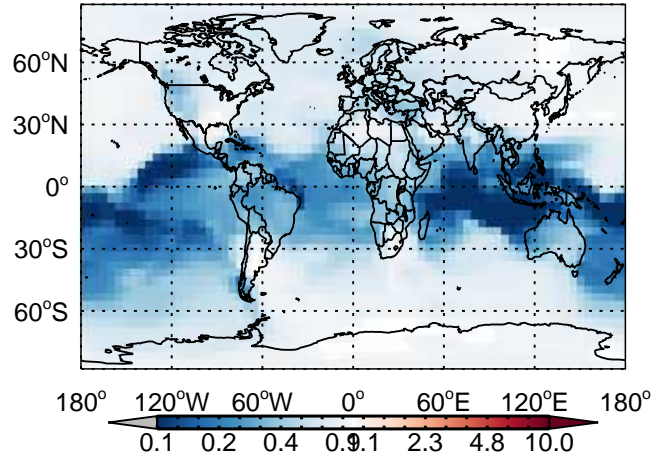
v11-01 / v10-01

OCPO / Ratio @ Surface for Apr



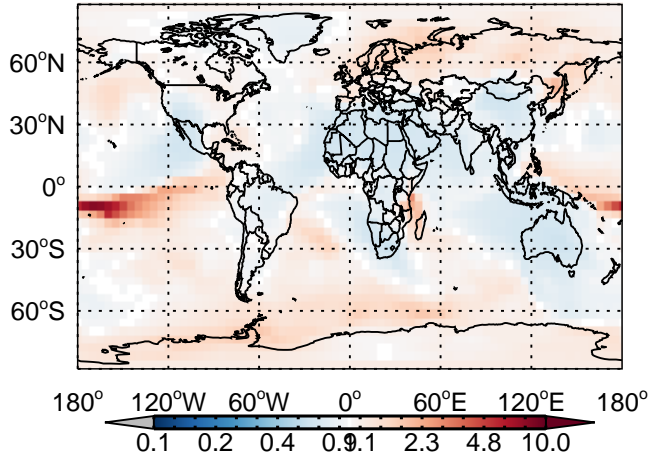
v11-01 / v10-01

OCPO/ Ratio @ 500 hPa for Apr



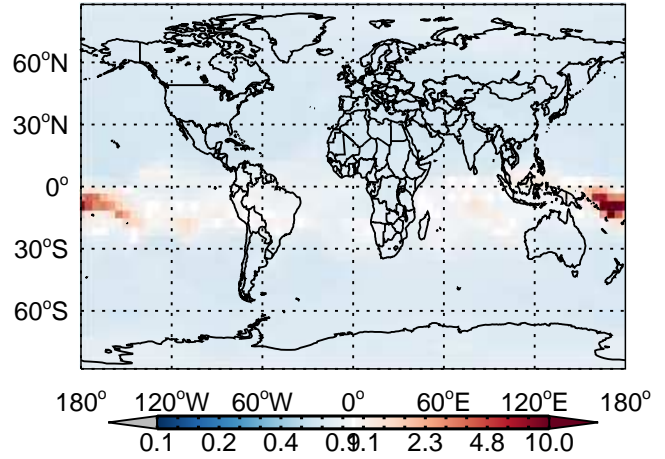
v11-01 / v10-01

DST1 / Ratio @ Surface for Apr



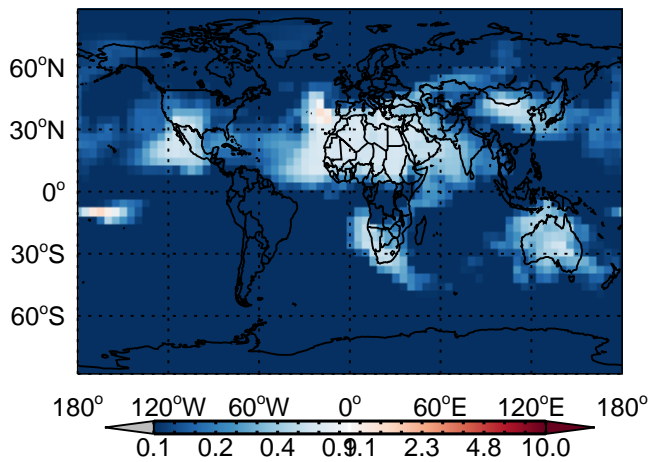
v11-01 / v10-01

DST1/ Ratio @ 500 hPa for Apr



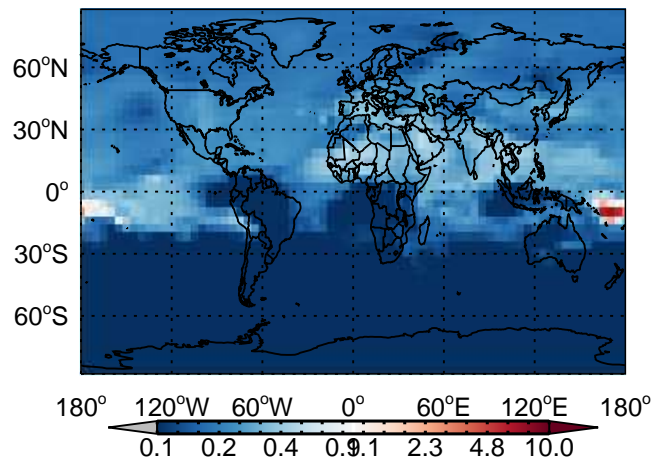
v11-01 / v10-01

DST2 / Ratio @ Surface for Apr



v11-01 / v10-01

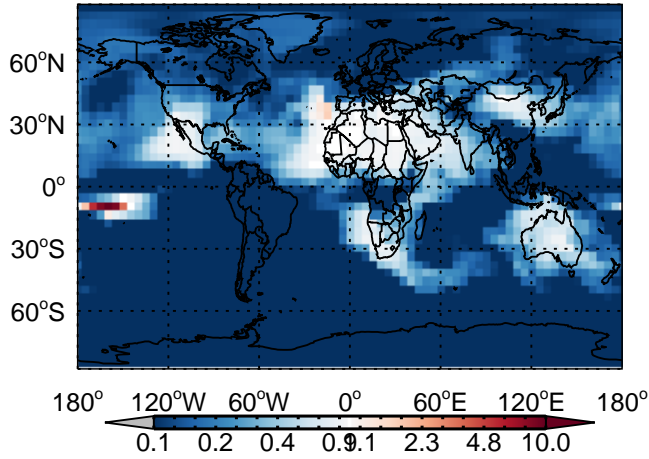
DST2/ Ratio @ 500 hPa for Apr



GEOS-Chem Ratio Maps at surface and 500 hPa

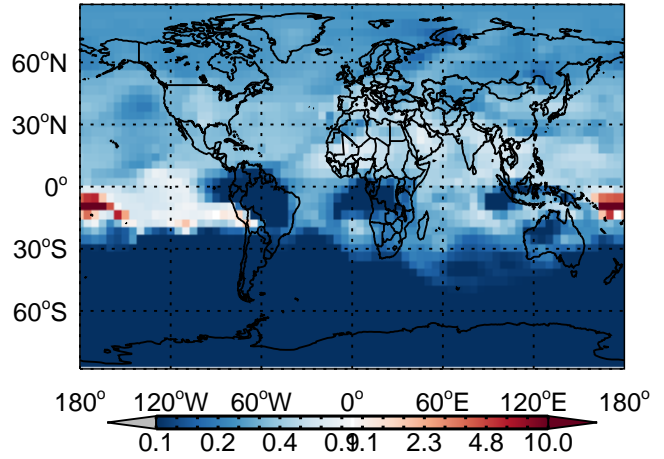
v11-01 / v10-01

DST3 / Ratio @ Surface for Apr



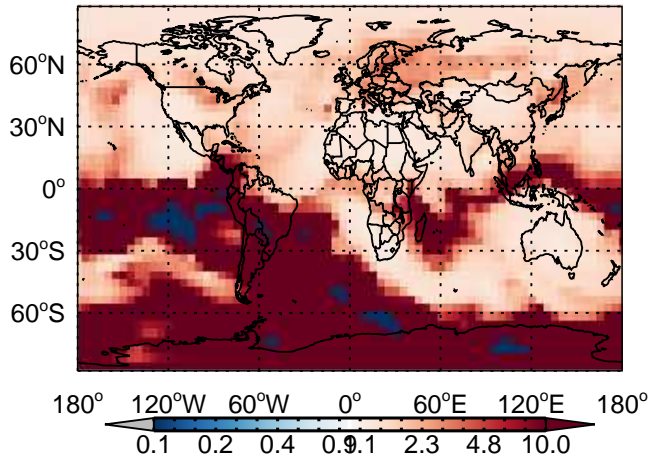
v11-01 / v10-01

DST3/ Ratio @ 500 hPa for Apr



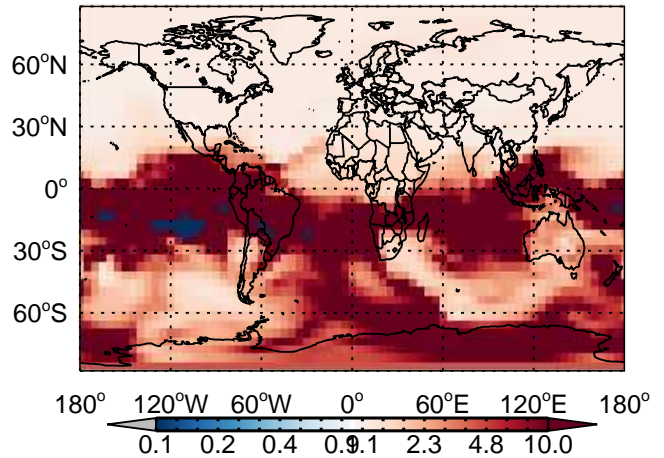
v11-01 / v10-01

DST4 / Ratio @ Surface for Apr



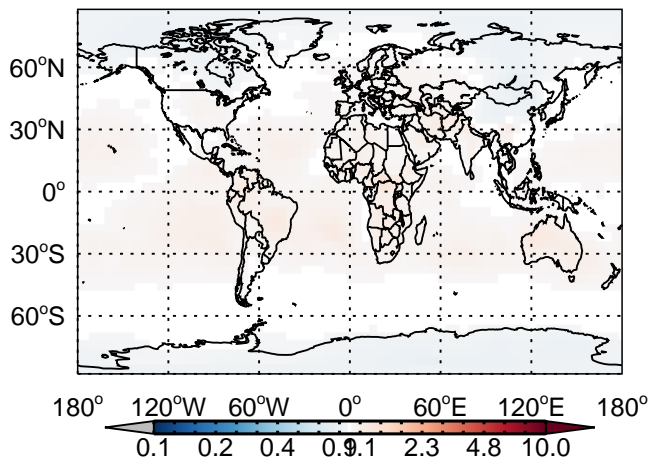
v11-01 / v10-01

DST4/ Ratio @ 500 hPa for Apr



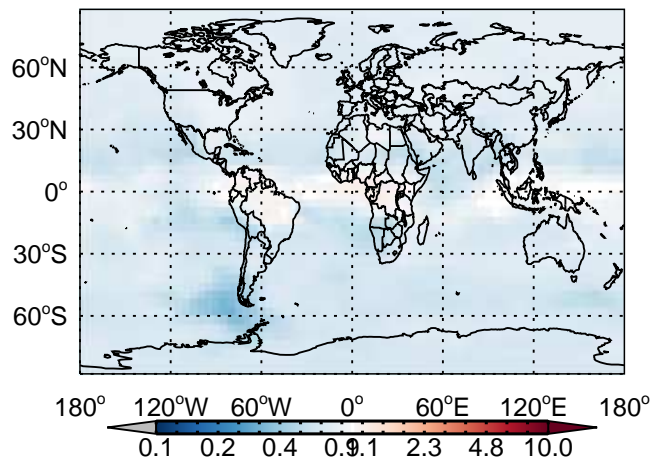
v11-01 / v10-01

SALA / Ratio @ Surface for Apr



v11-01 / v10-01

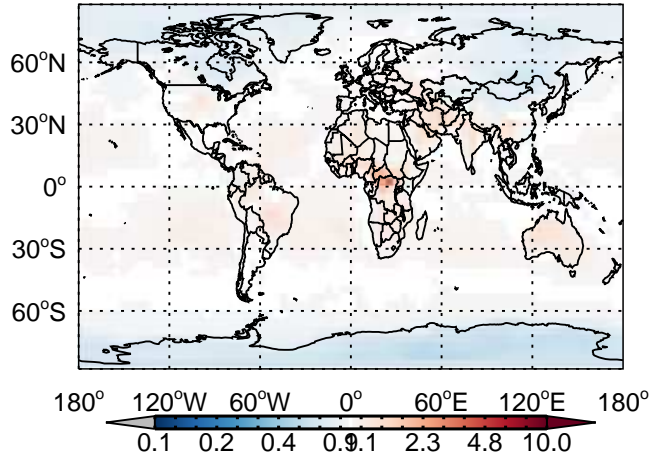
SALA/ Ratio @ 500 hPa for Apr



GEOS-Chem Ratio Maps at surface and 500 hPa

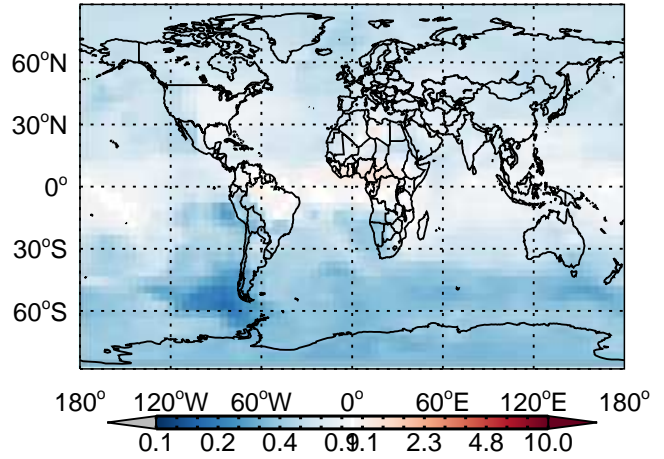
v11-01 / v10-01

SALC / Ratio @ Surface for Apr



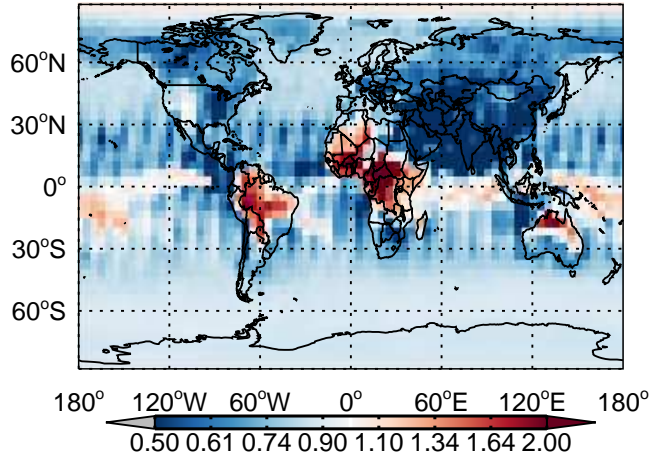
v11-01 / v10-01

SALC/ Ratio @ 500 hPa for Apr



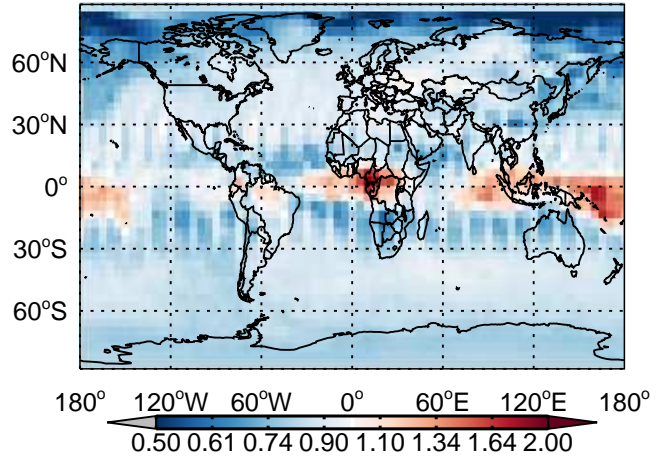
v11-01 / v10-01

Br2 / Ratio @ Surface for Apr



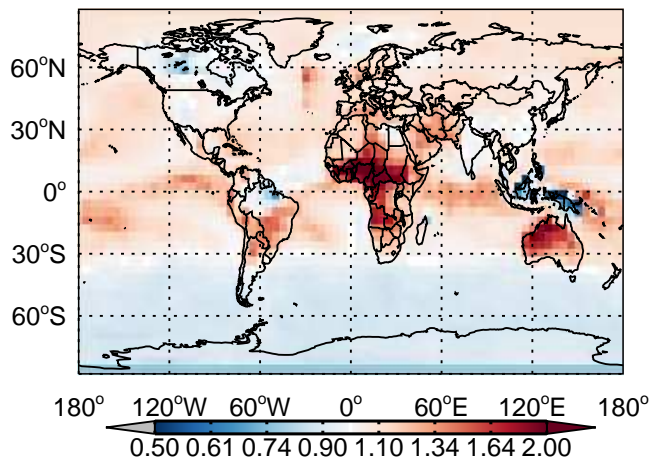
v11-01 / v10-01

Br2/ Ratio @ 500 hPa for Apr



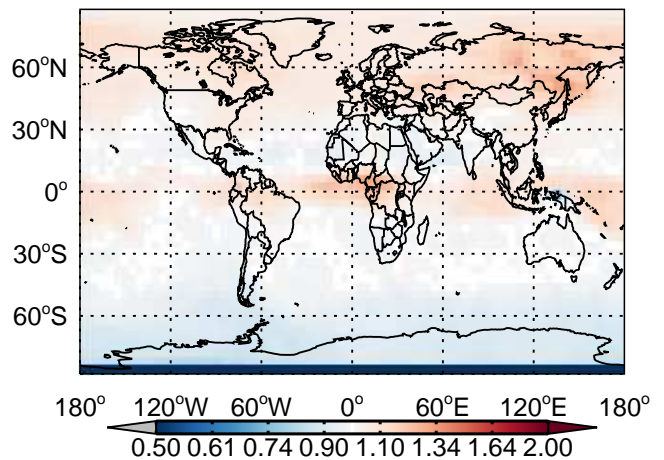
v11-01 / v10-01

Br / Ratio @ Surface for Apr



v11-01 / v10-01

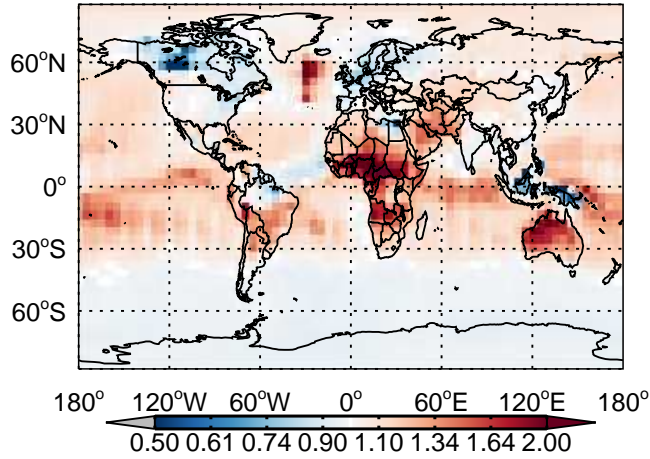
Br/ Ratio @ 500 hPa for Apr



GEOS-Chem Ratio Maps at surface and 500 hPa

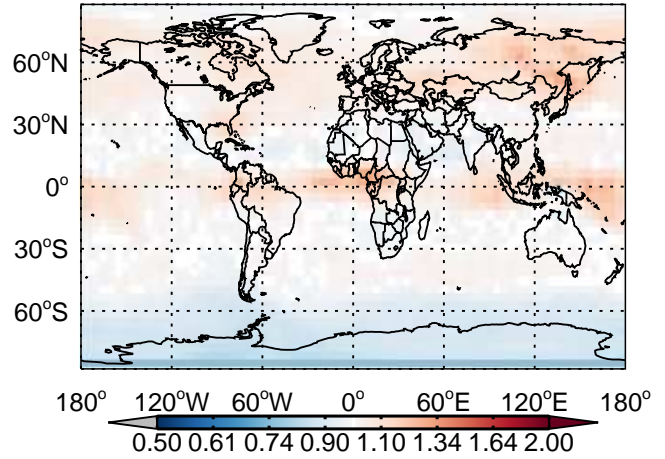
v11-01 / v10-01

BrO / Ratio @ Surface for Apr



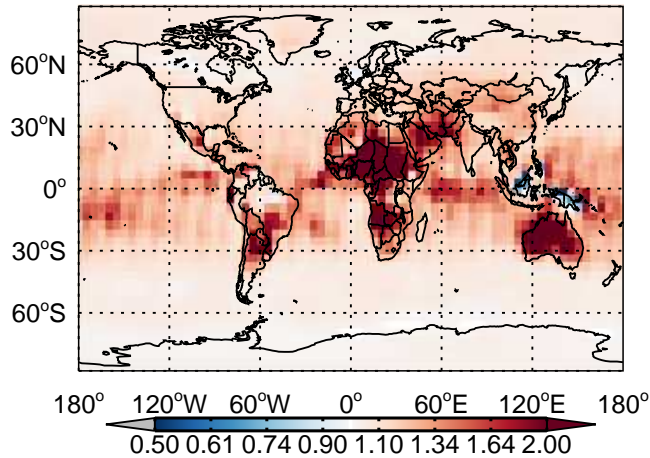
v11-01 / v10-01

BrO / Ratio @ 500 hPa for Apr



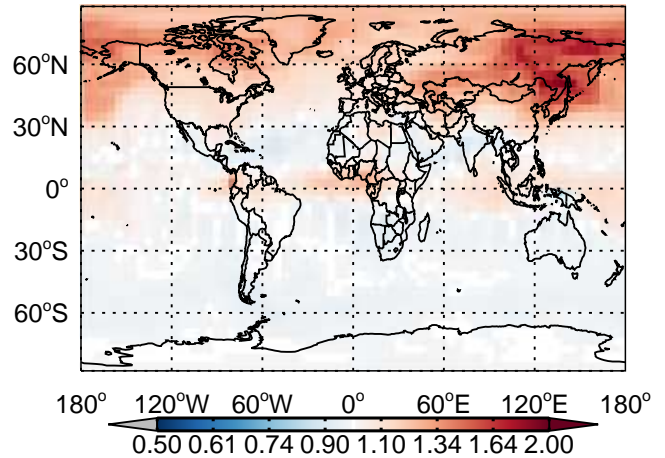
v11-01 / v10-01

HOBr / Ratio @ Surface for Apr



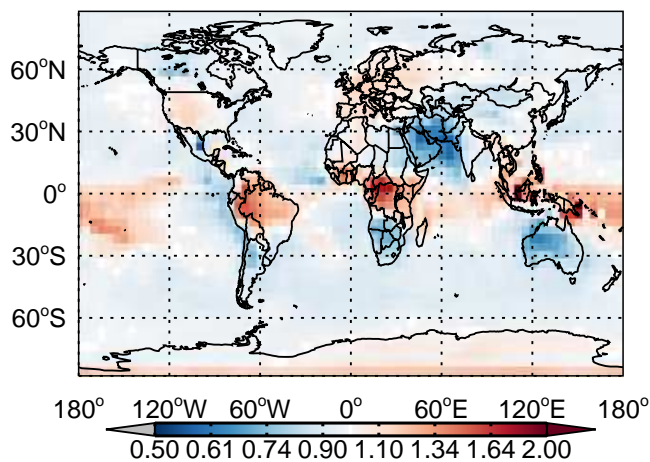
v11-01 / v10-01

HOBr / Ratio @ 500 hPa for Apr



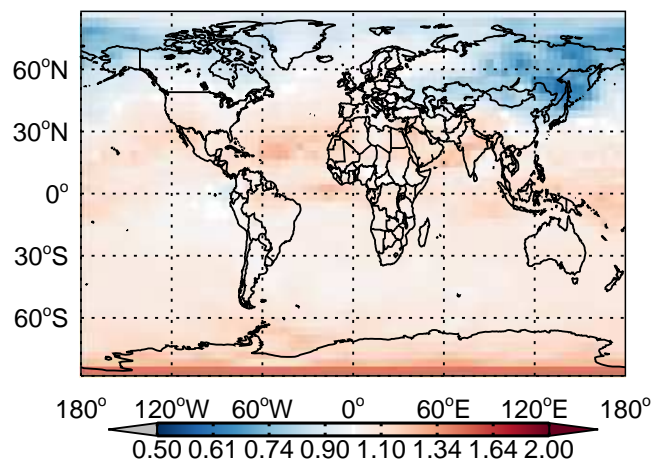
v11-01 / v10-01

HBr / Ratio @ Surface for Apr

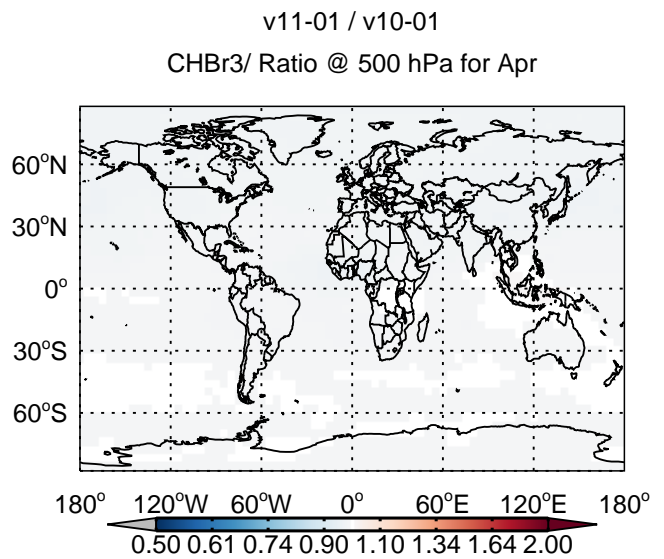
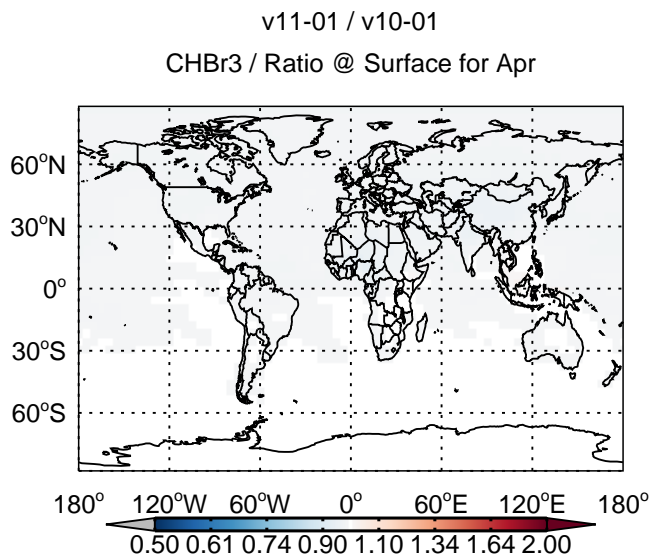
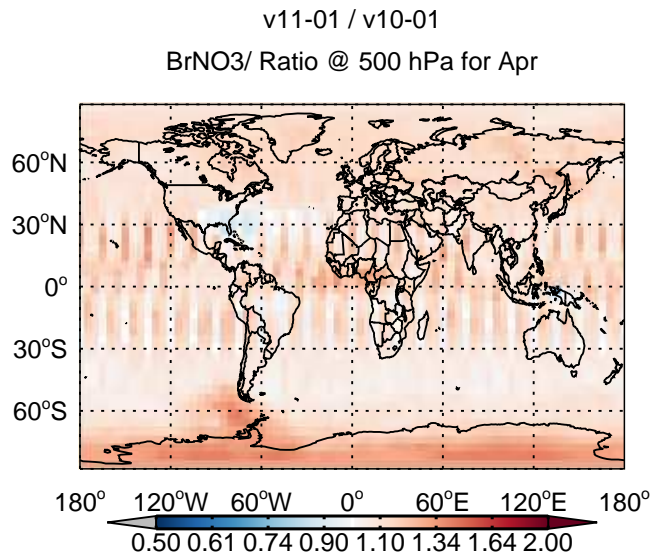
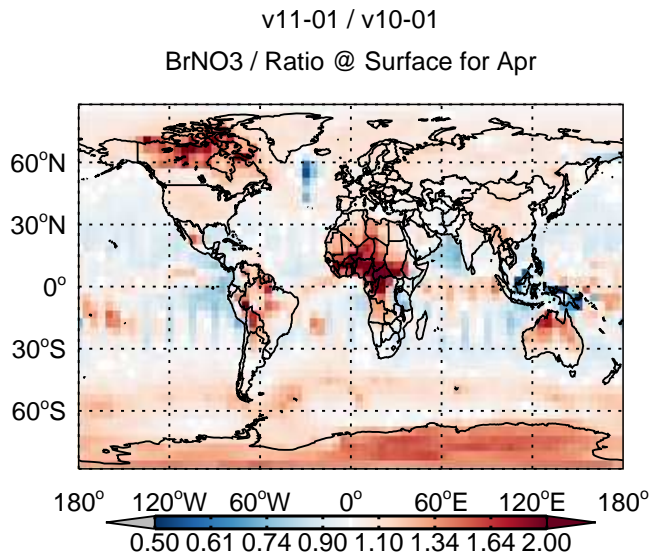
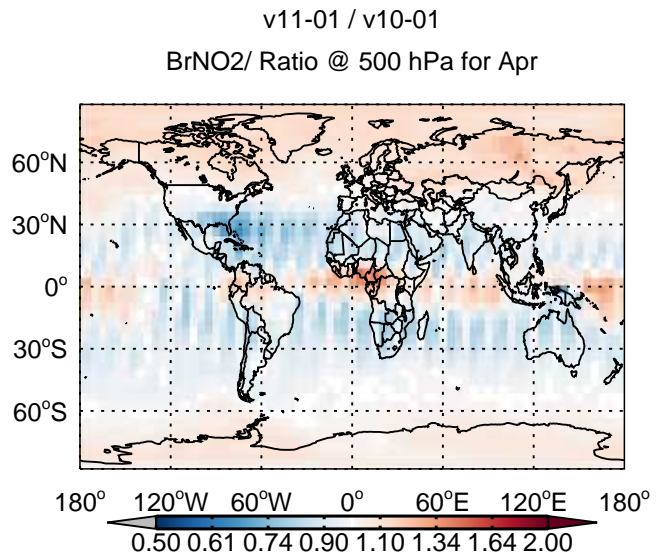
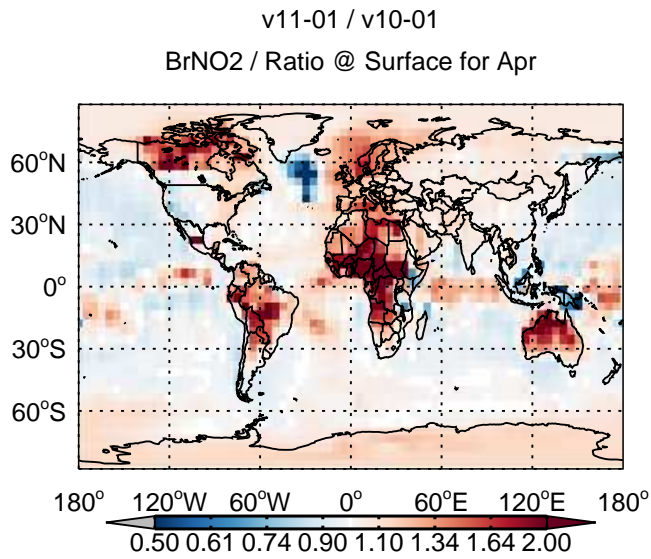


v11-01 / v10-01

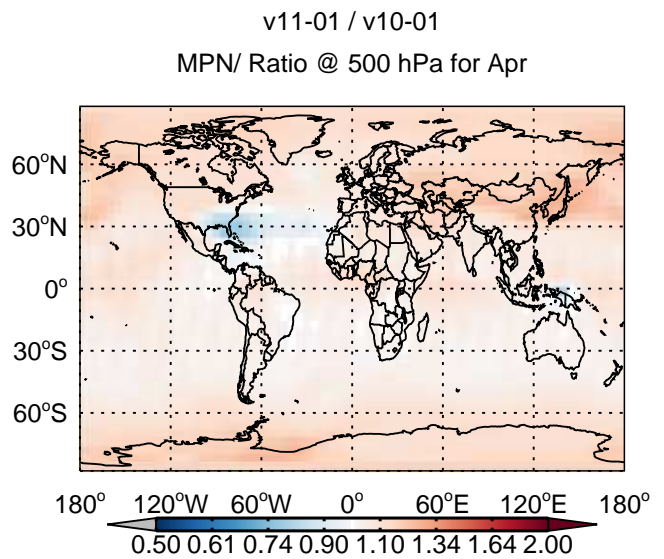
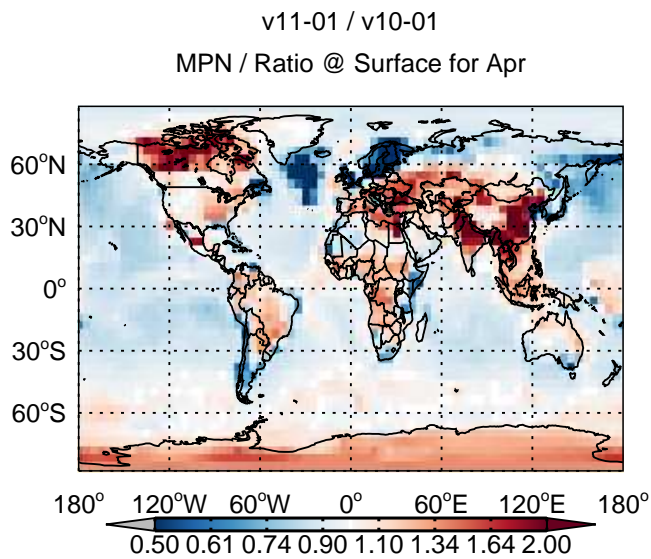
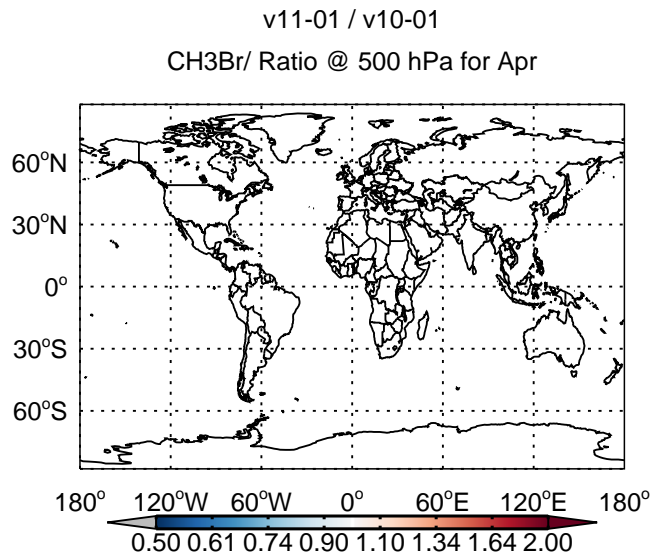
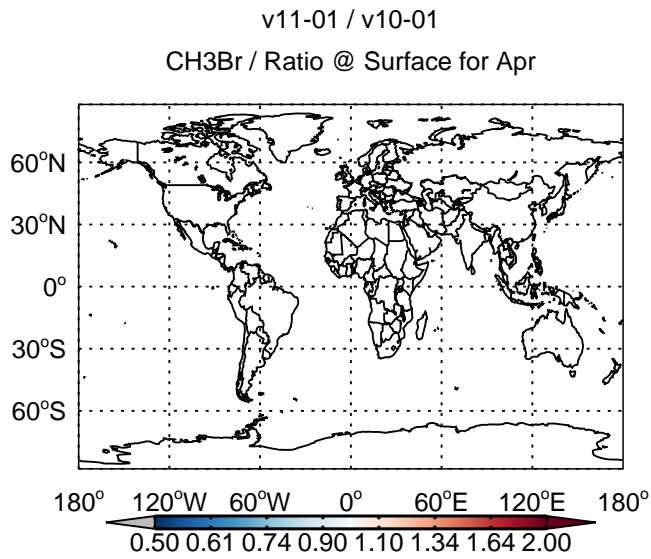
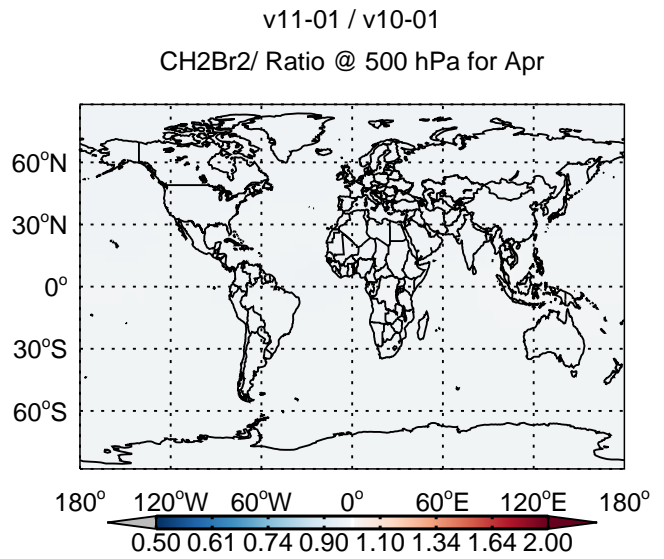
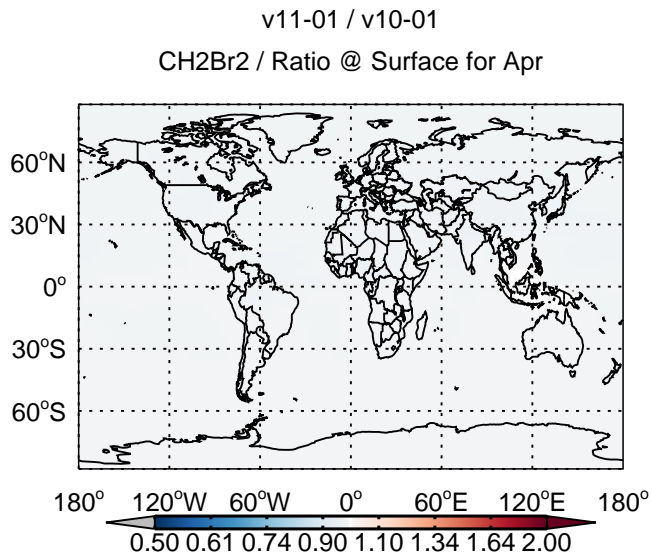
HBr / Ratio @ 500 hPa for Apr



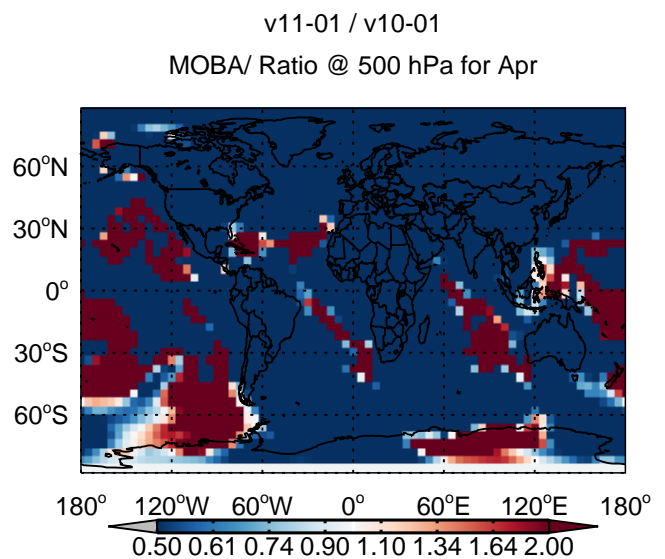
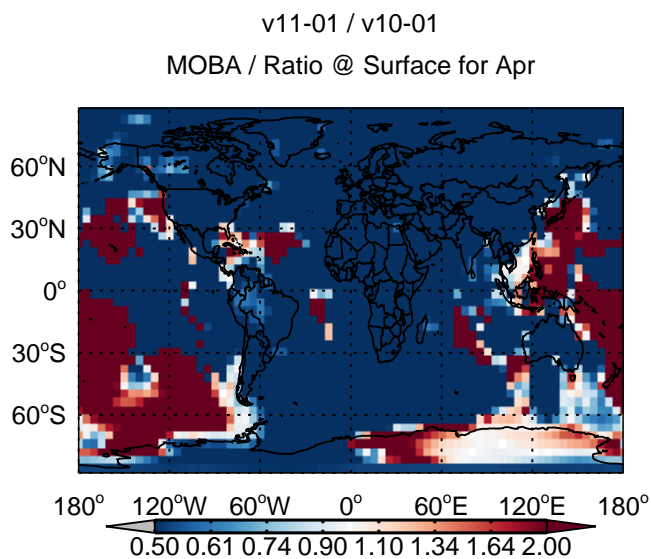
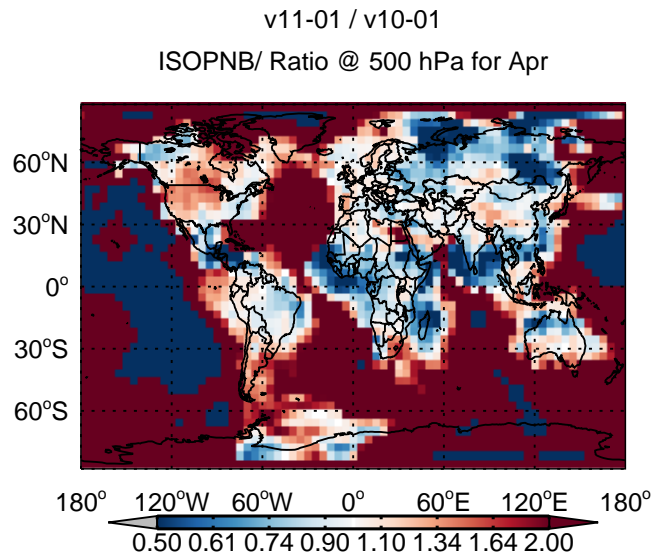
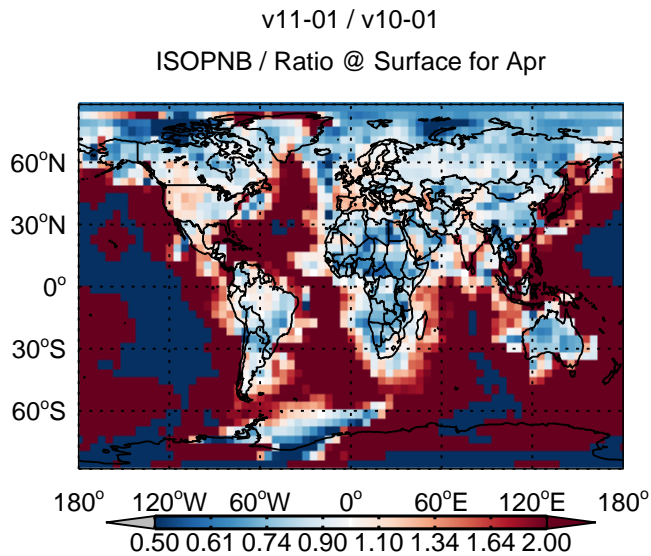
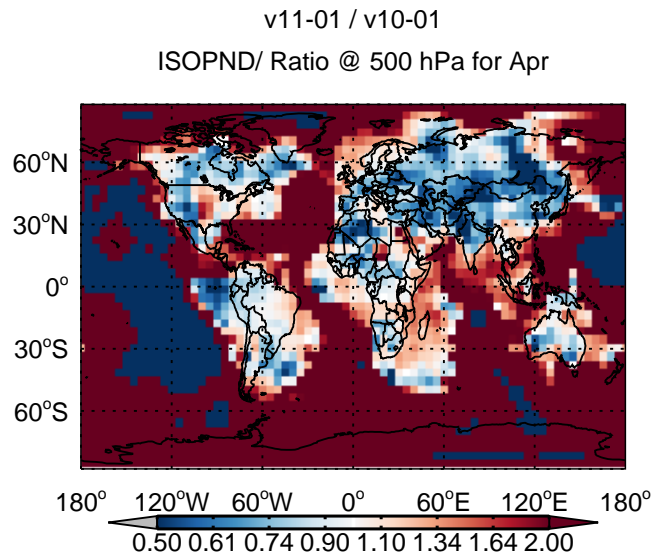
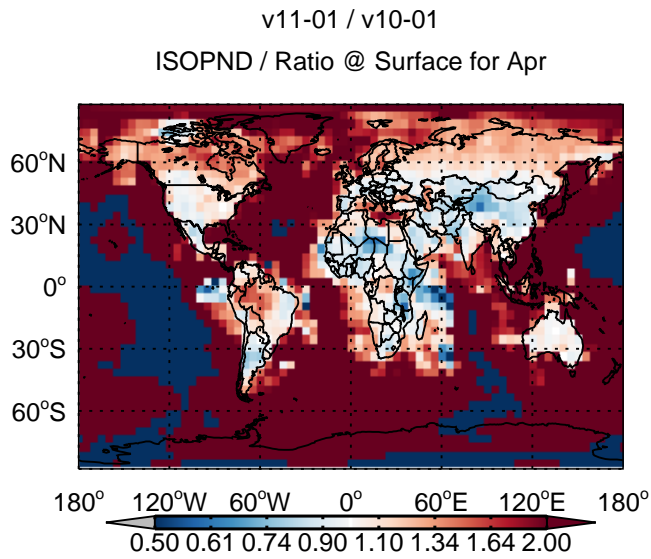
GEOS-Chem Ratio Maps at surface and 500 hPa



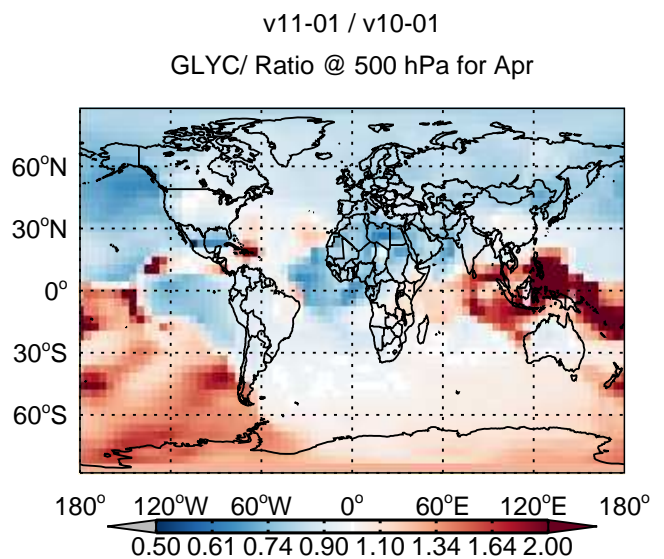
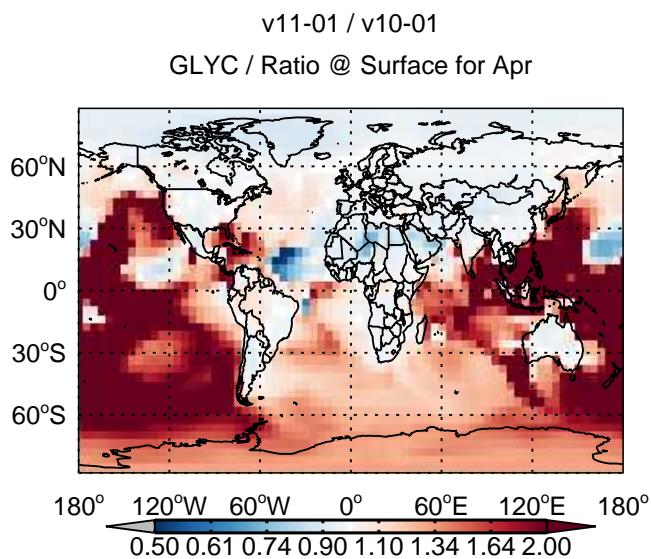
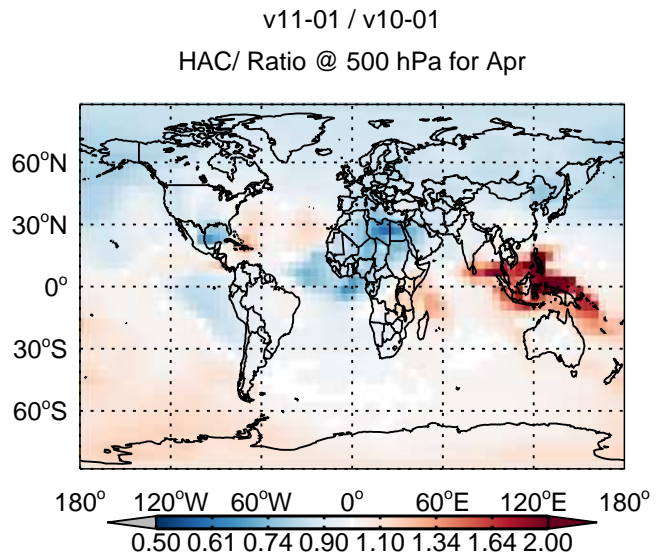
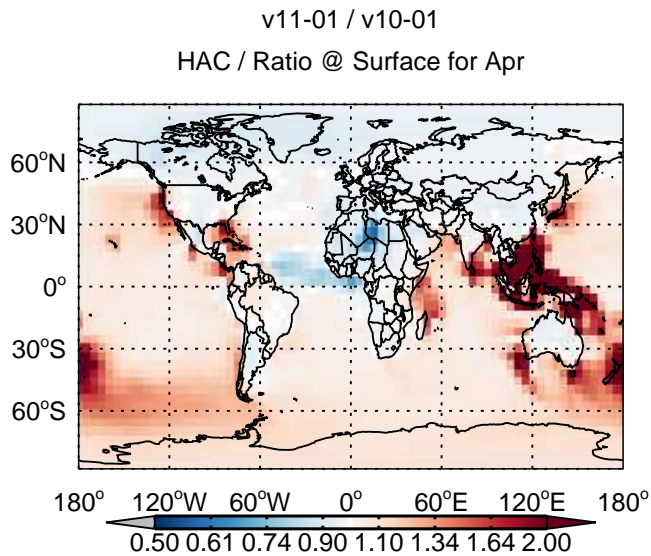
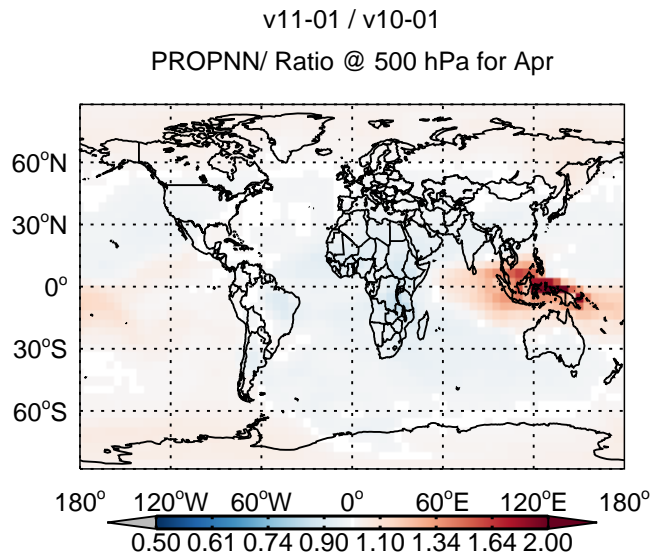
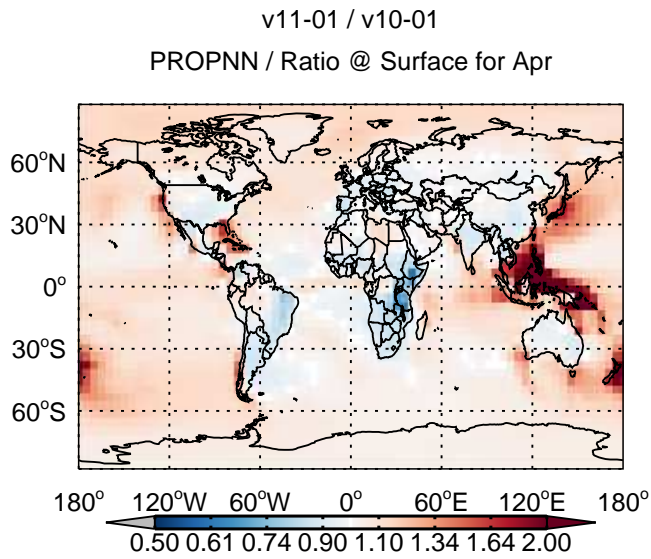
GEOS-Chem Ratio Maps at surface and 500 hPa



GEOS-Chem Ratio Maps at surface and 500 hPa



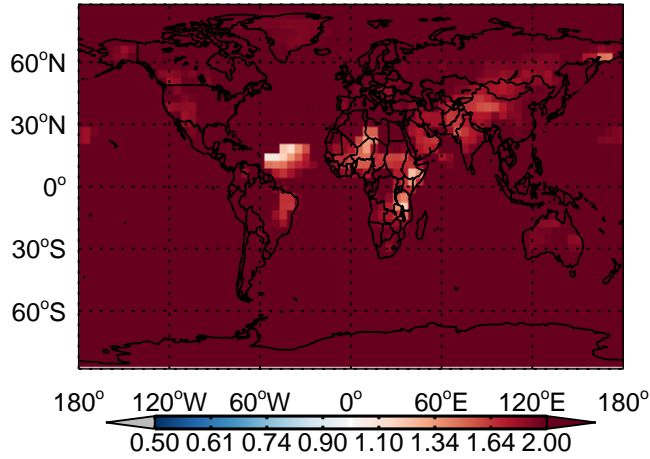
GEOS-Chem Ratio Maps at surface and 500 hPa



GEOS-Chem Ratio Maps at surface and 500 hPa

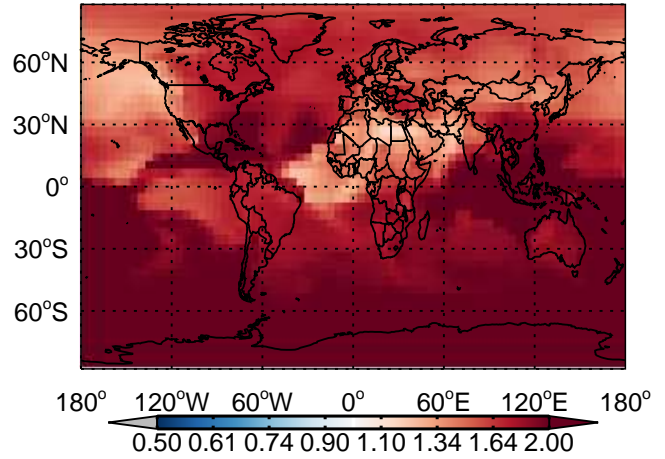
v11-01 / v10-01

MVKN / Ratio @ Surface for Apr



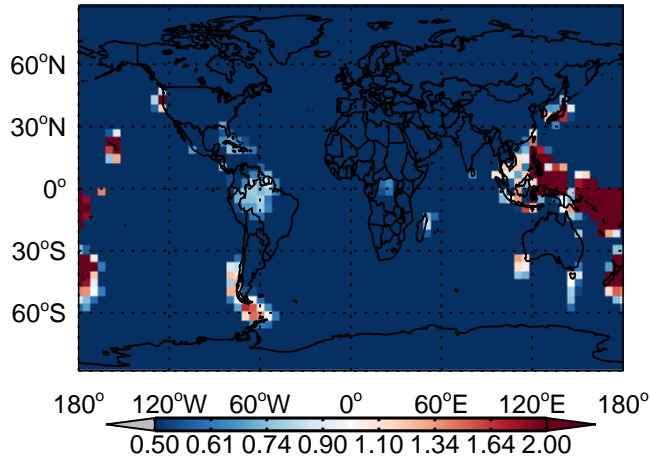
v11-01 / v10-01

MVKN/ Ratio @ 500 hPa for Apr



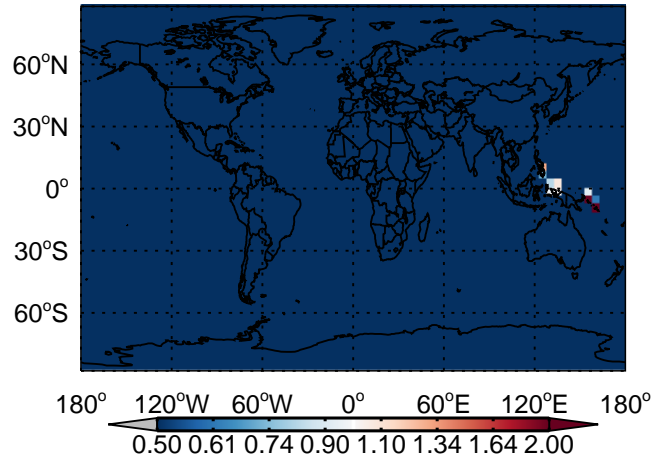
v11-01 / v10-01

MACRN / Ratio @ Surface for Apr



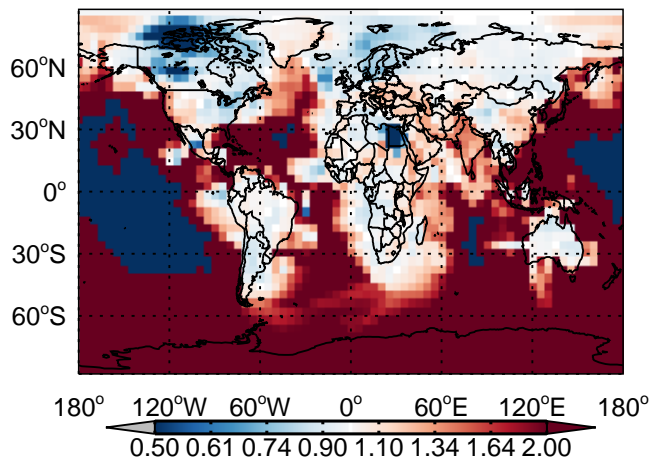
v11-01 / v10-01

MACRN/ Ratio @ 500 hPa for Apr



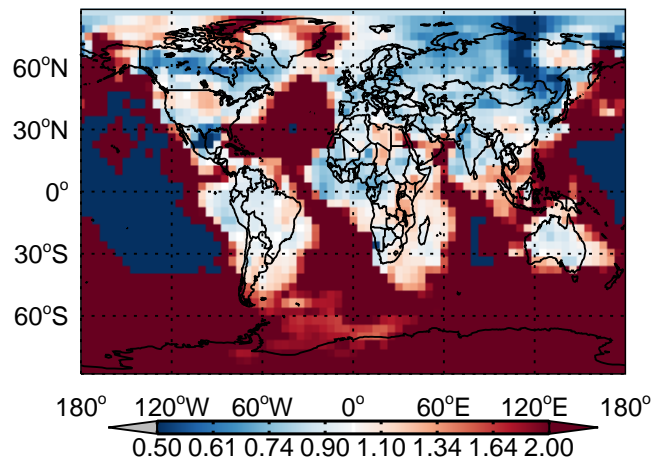
v11-01 / v10-01

RIP / Ratio @ Surface for Apr

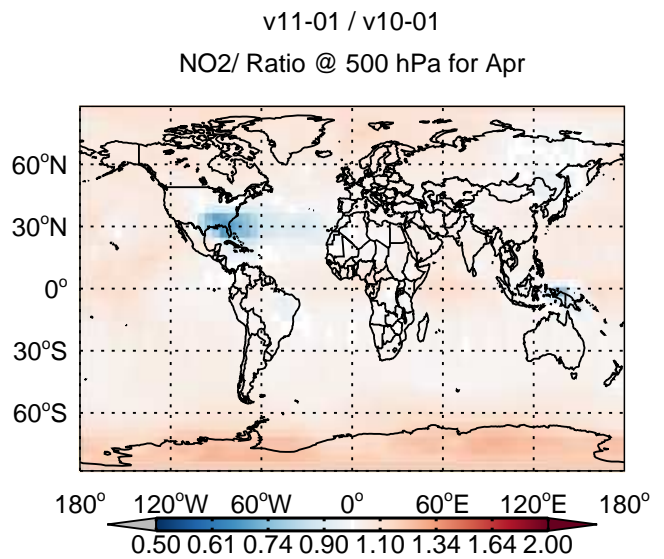
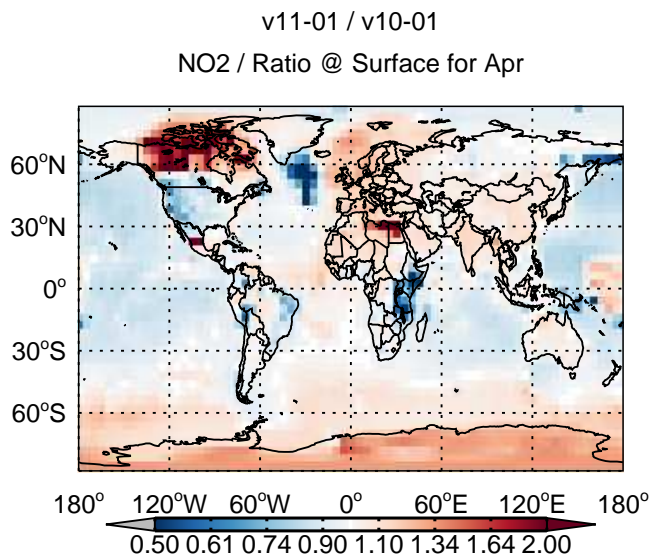
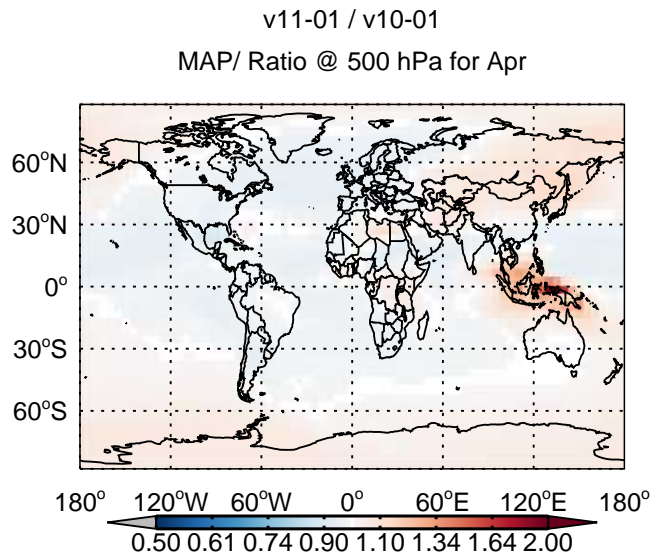
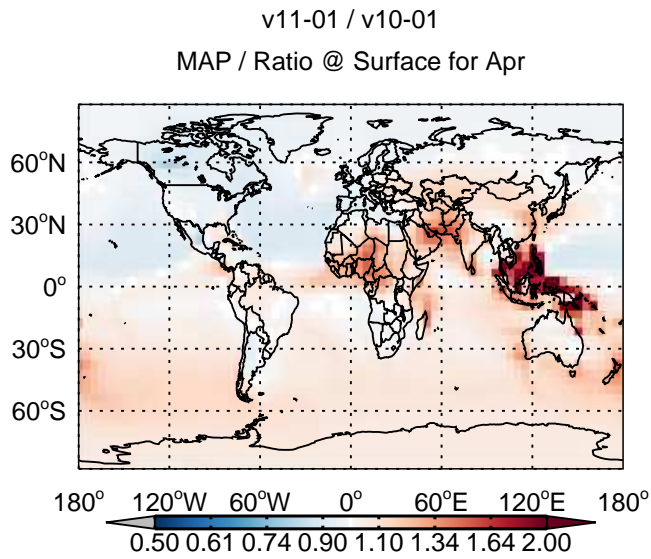
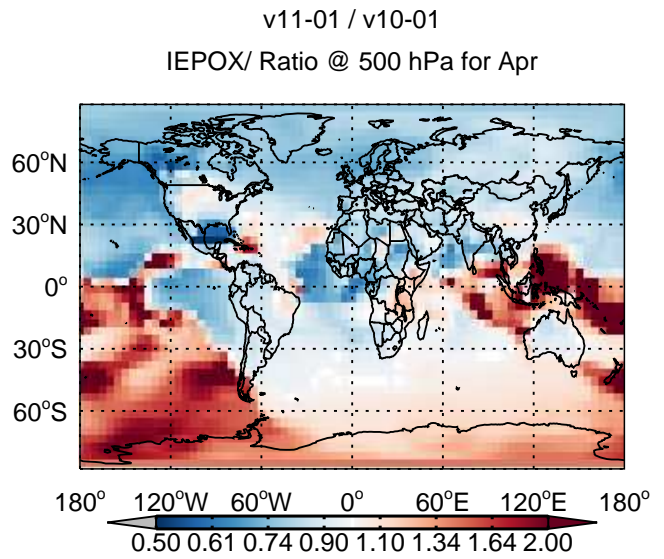
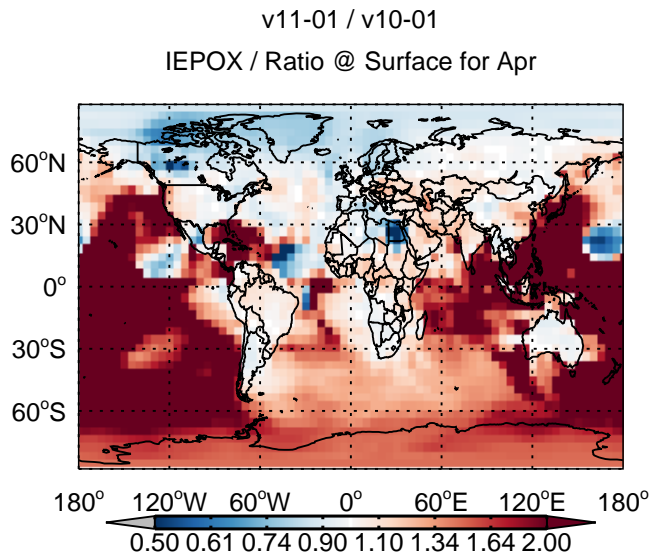


v11-01 / v10-01

RIP/ Ratio @ 500 hPa for Apr



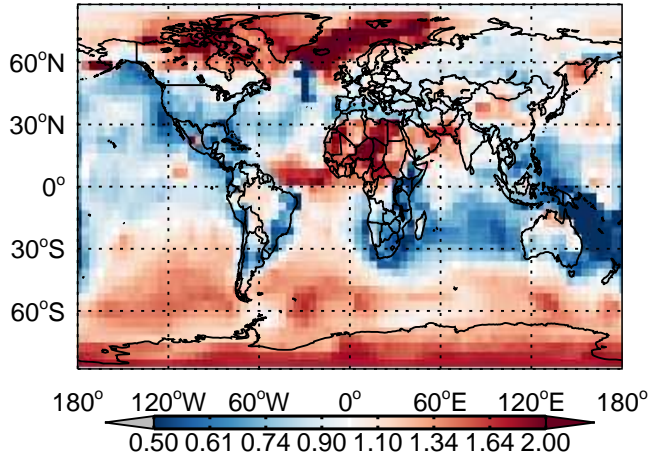
GEOS-Chem Ratio Maps at surface and 500 hPa



GEOS-Chem Ratio Maps at surface and 500 hPa

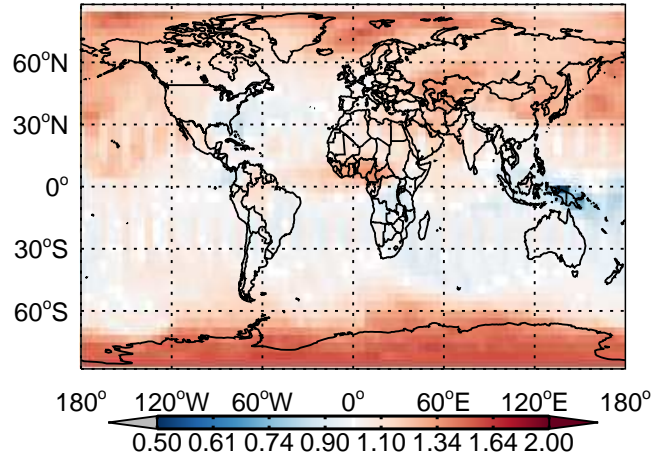
v11-01 / v10-01

NO₃ / Ratio @ Surface for Apr



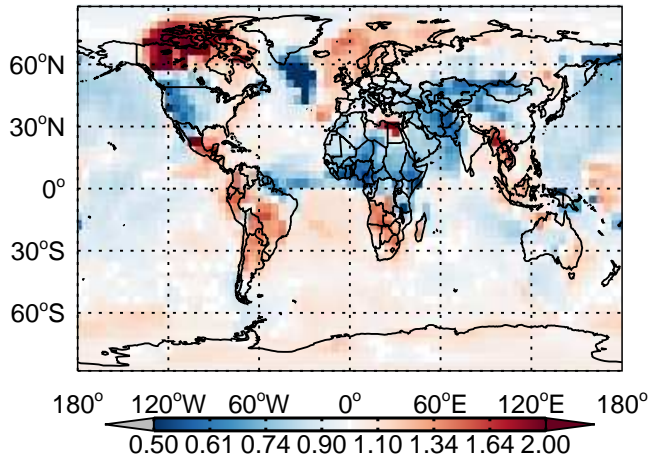
v11-01 / v10-01

NO₃ / Ratio @ 500 hPa for Apr



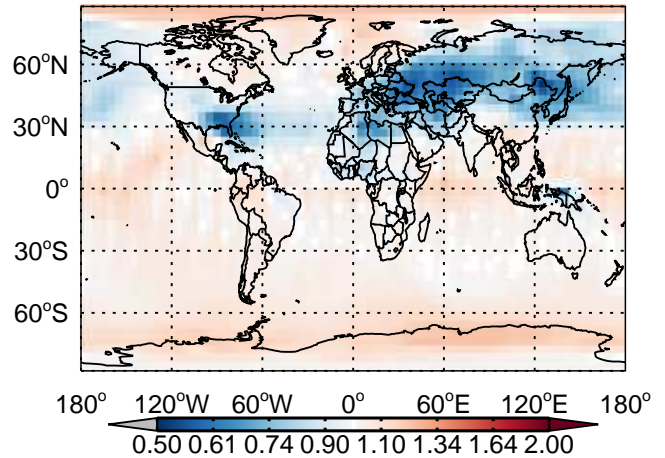
v11-01 / v10-01

HNO₂ / Ratio @ Surface for Apr



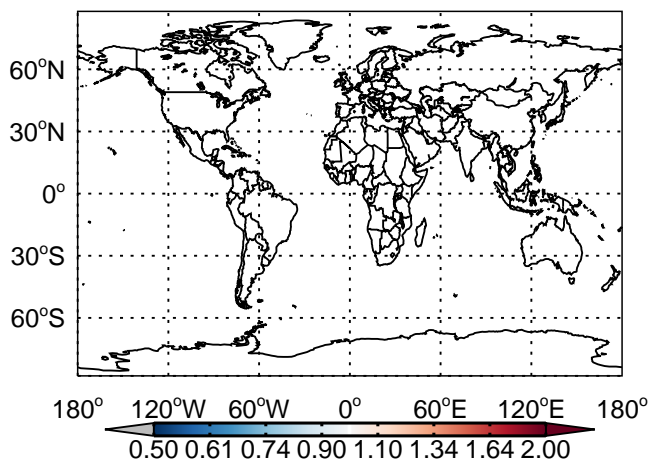
v11-01 / v10-01

HNO₂ / Ratio @ 500 hPa for Apr



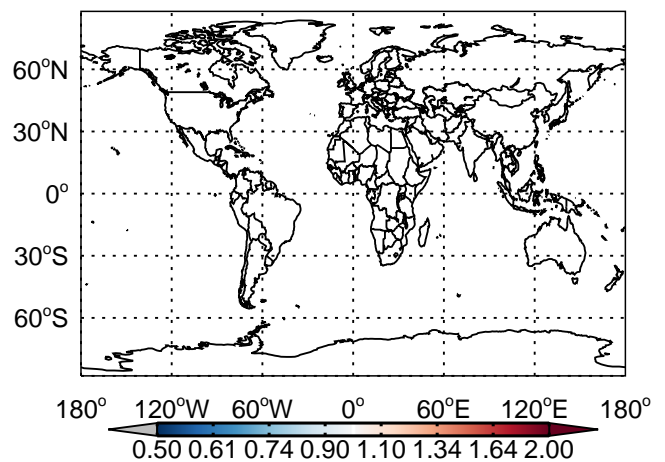
v11-01 / v10-01

N₂O / Ratio @ Surface for Apr



v11-01 / v10-01

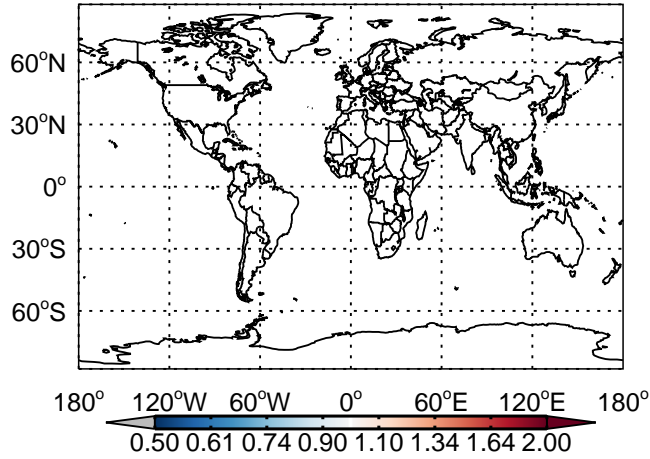
N₂O / Ratio @ 500 hPa for Apr



GEOS-Chem Ratio Maps at surface and 500 hPa

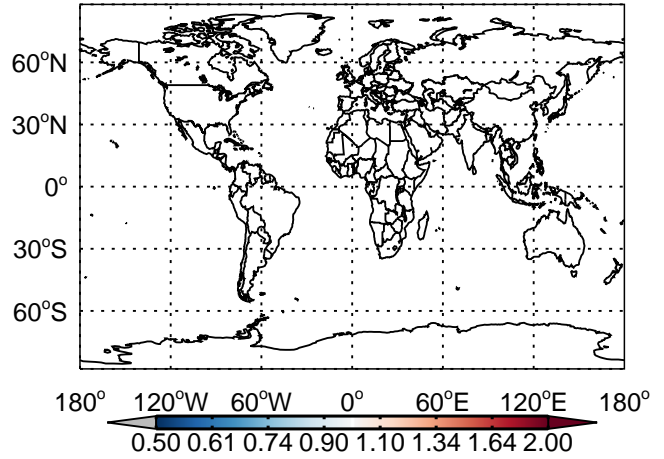
v11-01 / v10-01

OCS / Ratio @ Surface for Apr



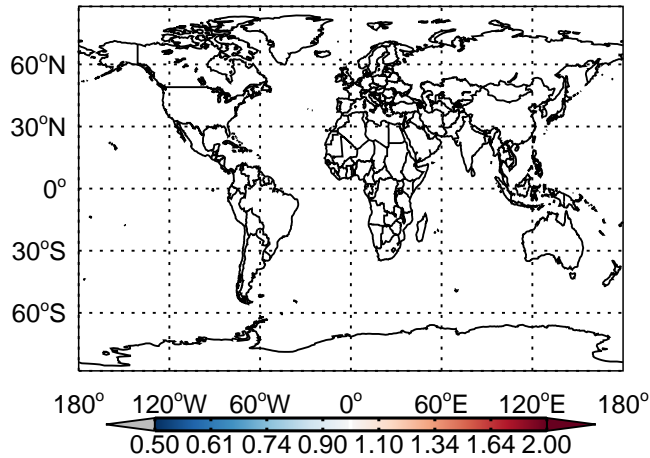
v11-01 / v10-01

OCS/ Ratio @ 500 hPa for Apr



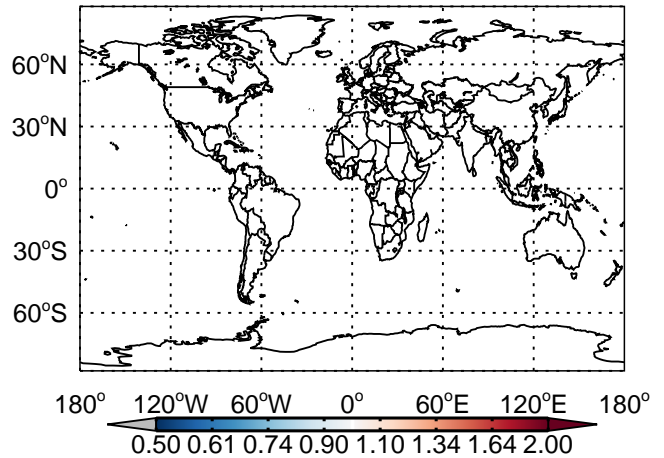
v11-01 / v10-01

CH4 / Ratio @ Surface for Apr



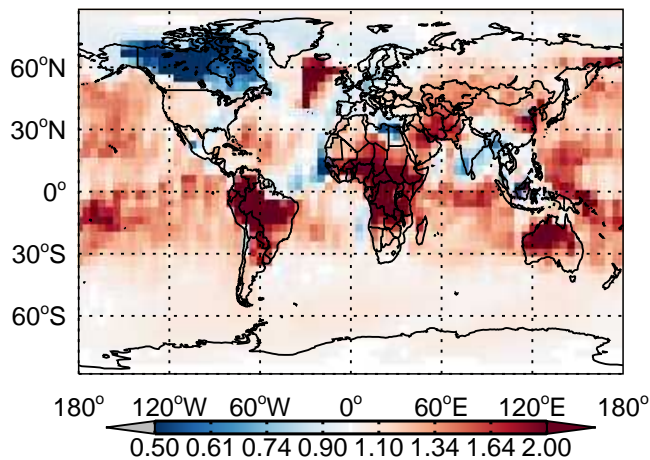
v11-01 / v10-01

CH4/ Ratio @ 500 hPa for Apr



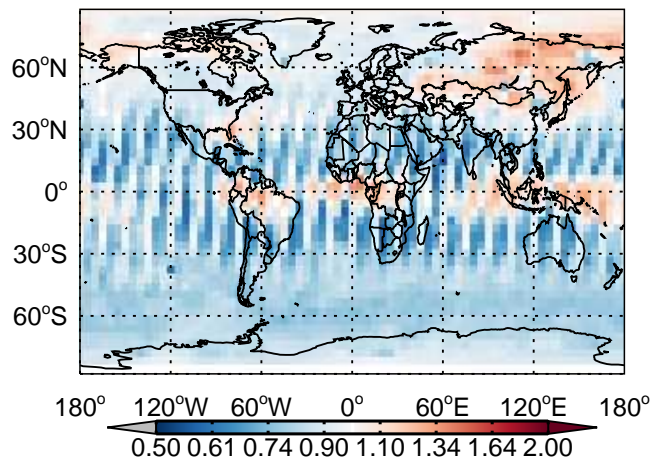
v11-01 / v10-01

BrCl / Ratio @ Surface for Apr



v11-01 / v10-01

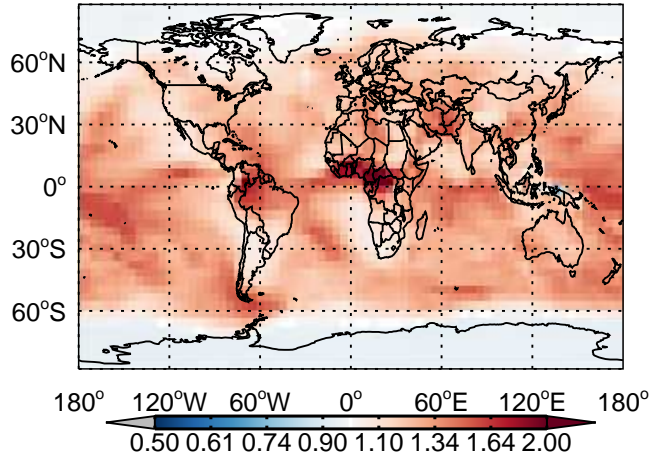
BrCl/ Ratio @ 500 hPa for Apr



GEOS-Chem Ratio Maps at surface and 500 hPa

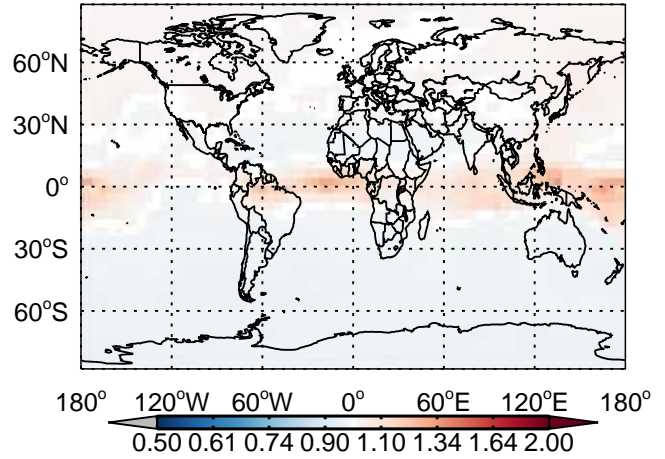
v11-01 / v10-01

HCl / Ratio @ Surface for Apr



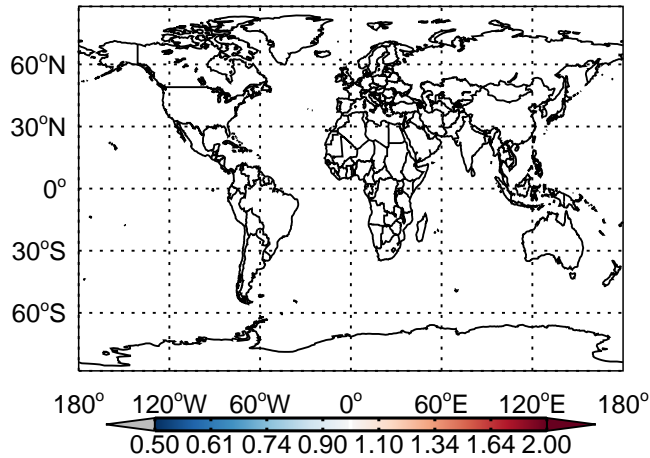
v11-01 / v10-01

HCl / Ratio @ 500 hPa for Apr



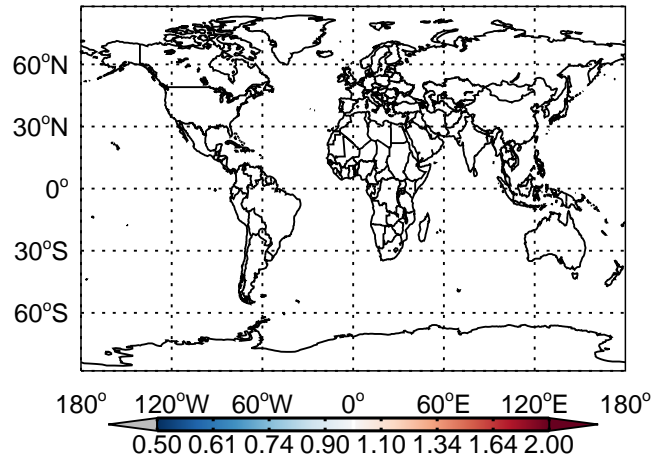
v11-01 / v10-01

CCl4 / Ratio @ Surface for Apr



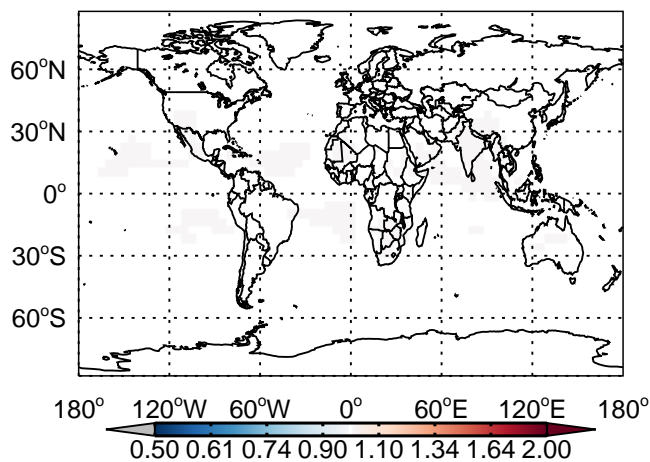
v11-01 / v10-01

CCl4 / Ratio @ 500 hPa for Apr



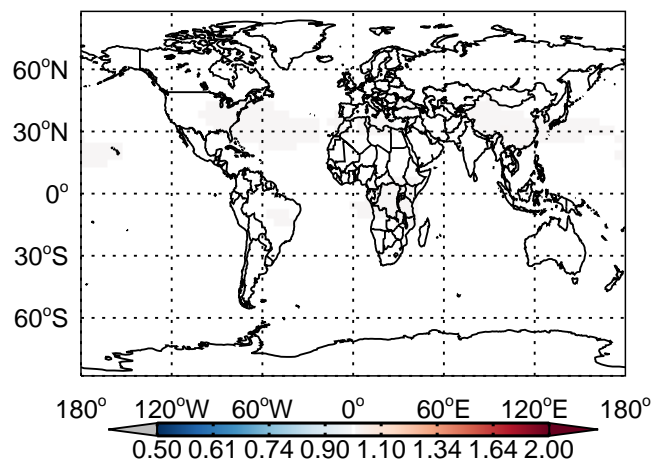
v11-01 / v10-01

CH3Cl / Ratio @ Surface for Apr

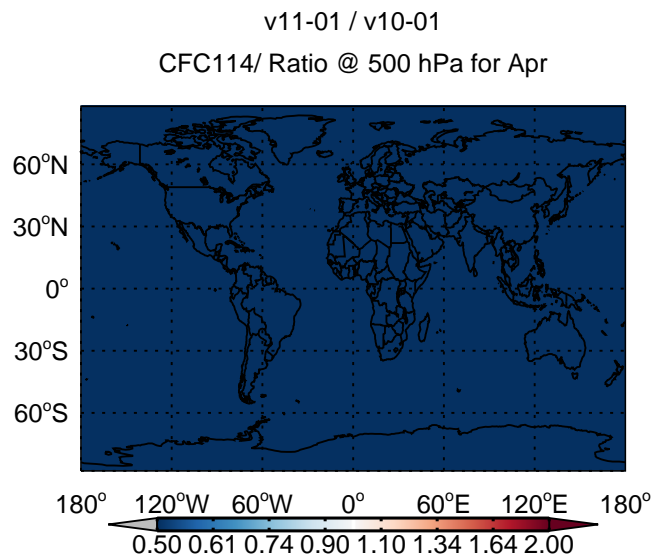
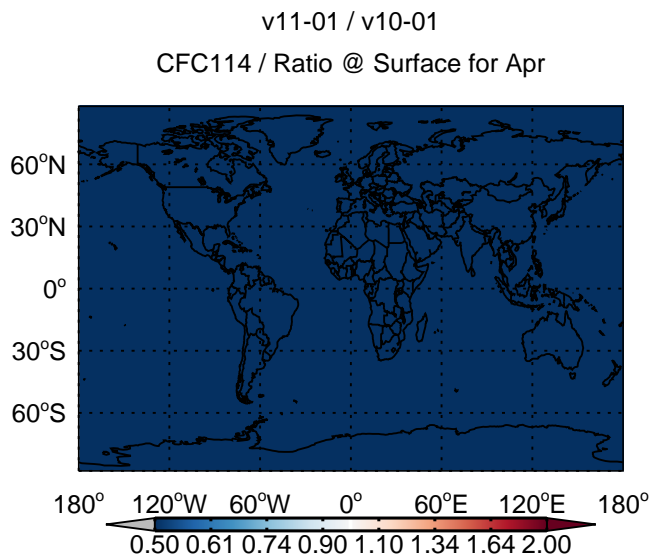
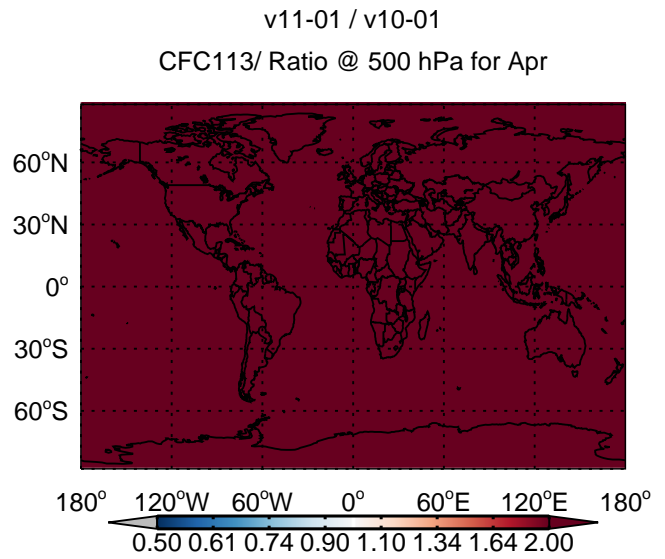
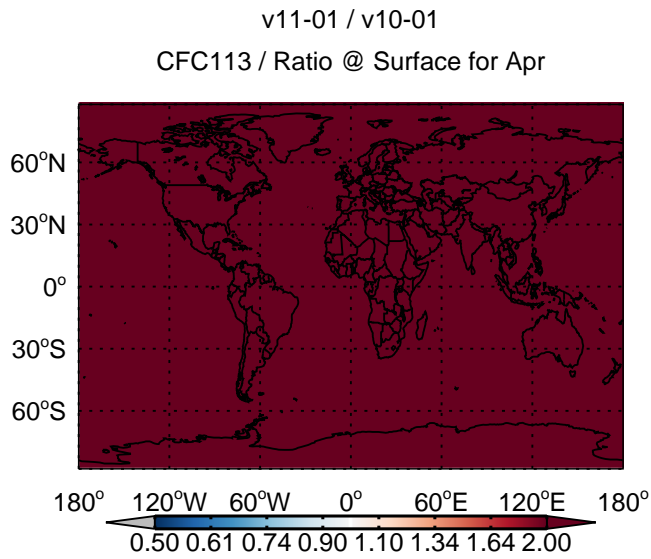
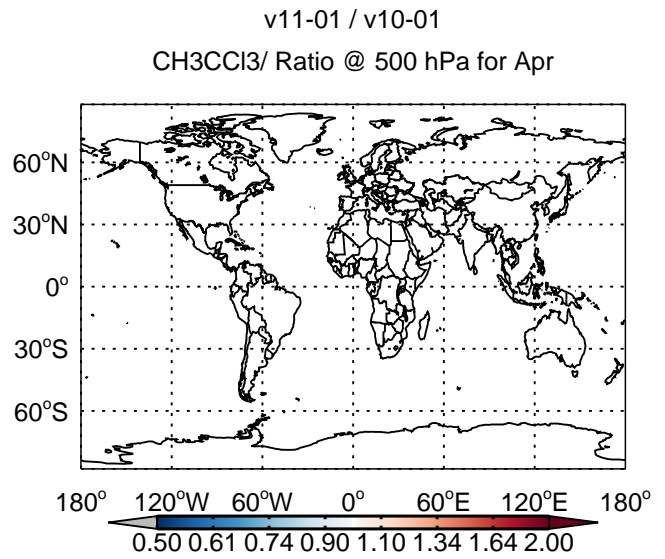
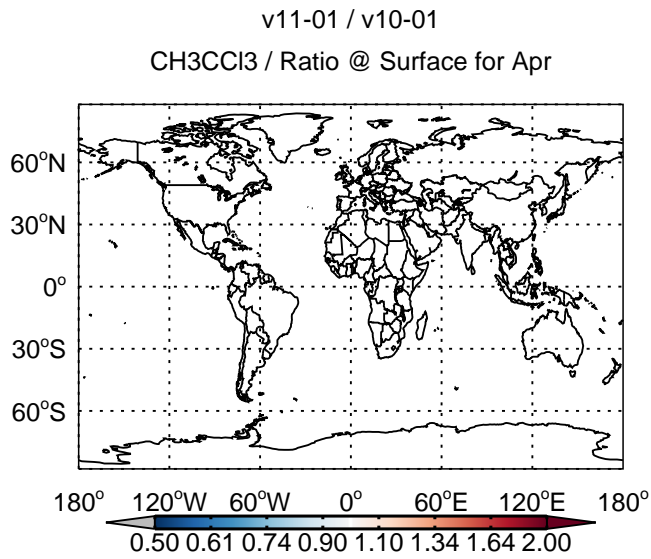


v11-01 / v10-01

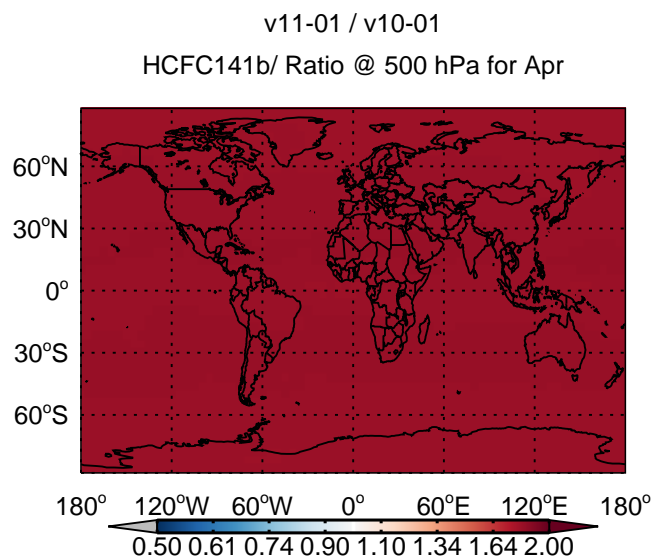
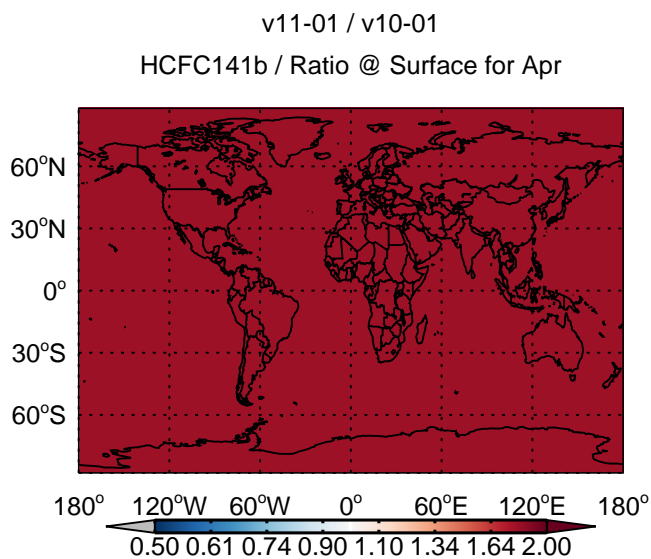
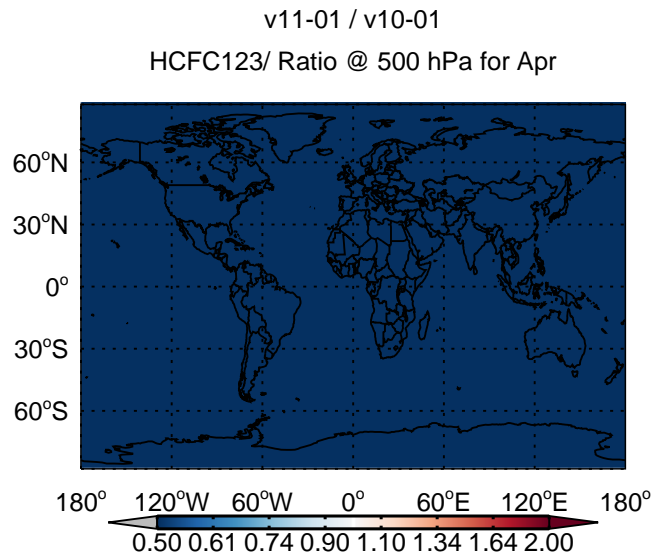
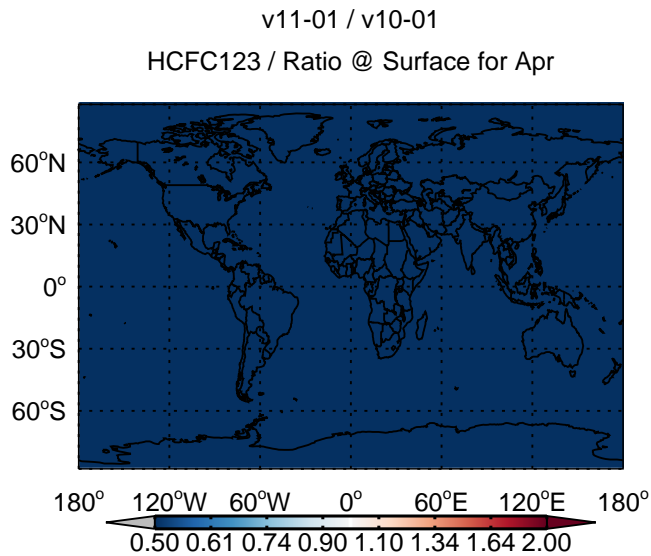
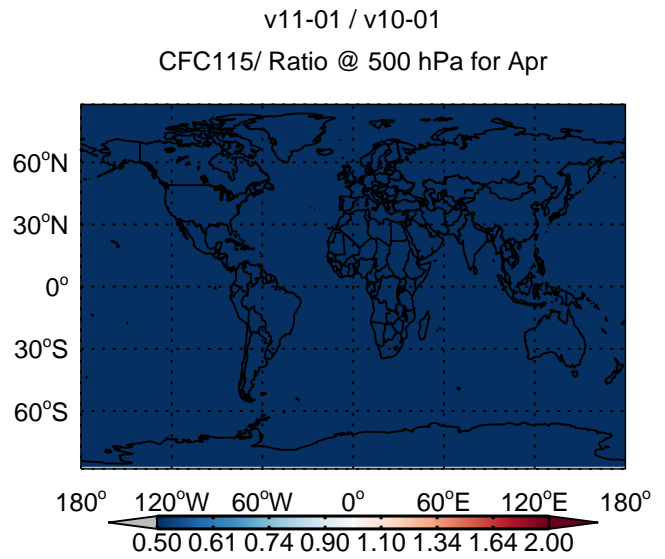
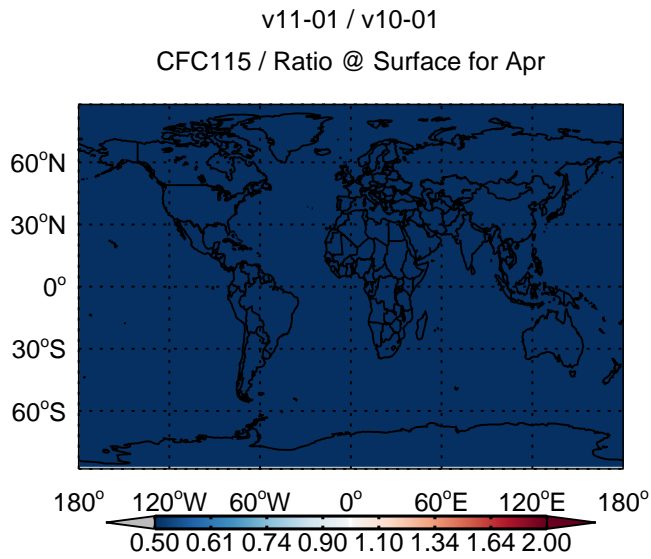
CH3Cl / Ratio @ 500 hPa for Apr



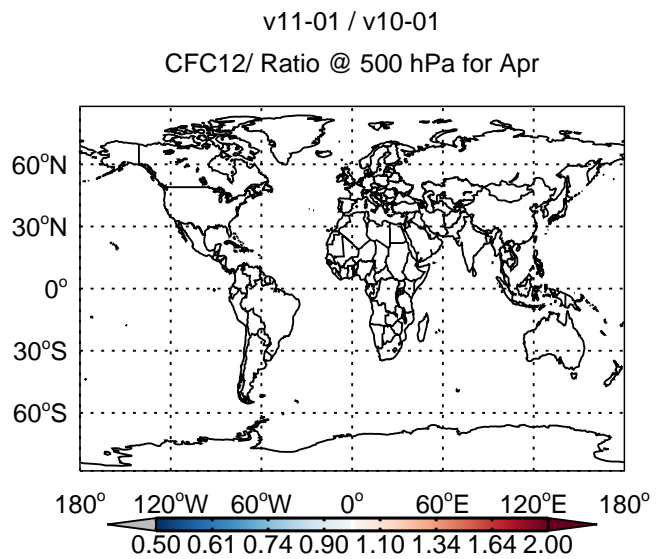
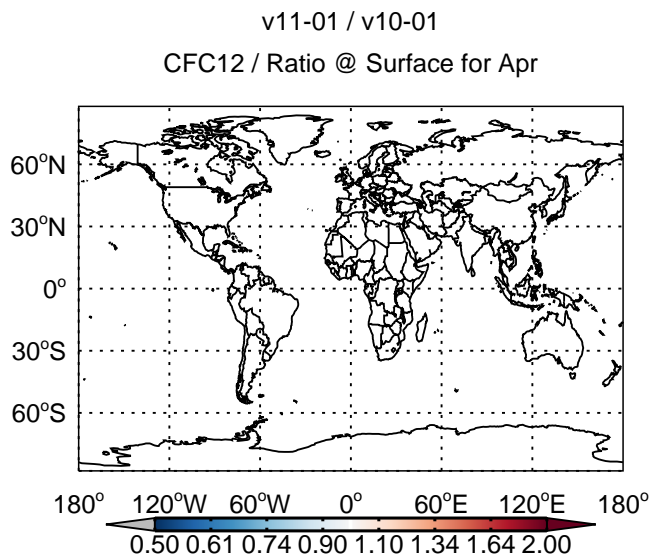
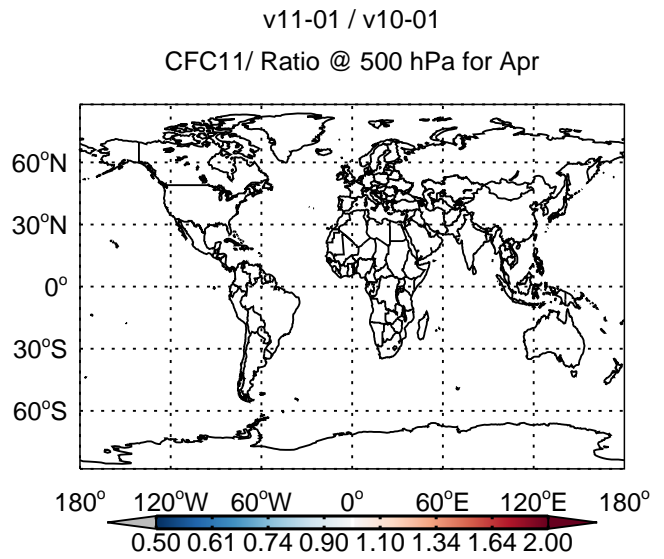
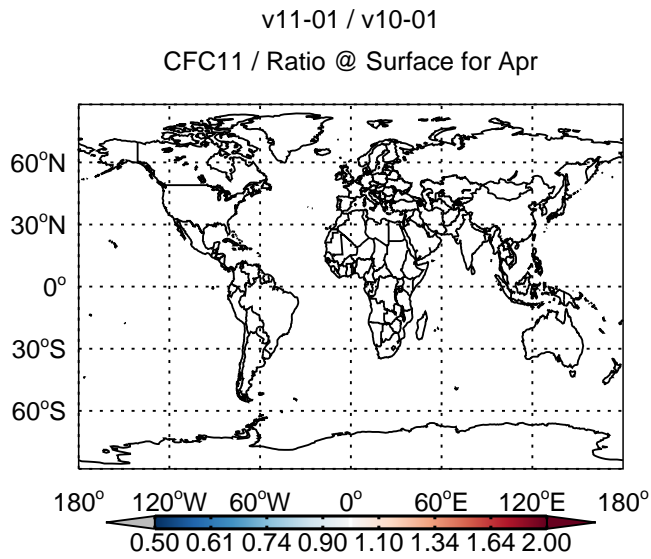
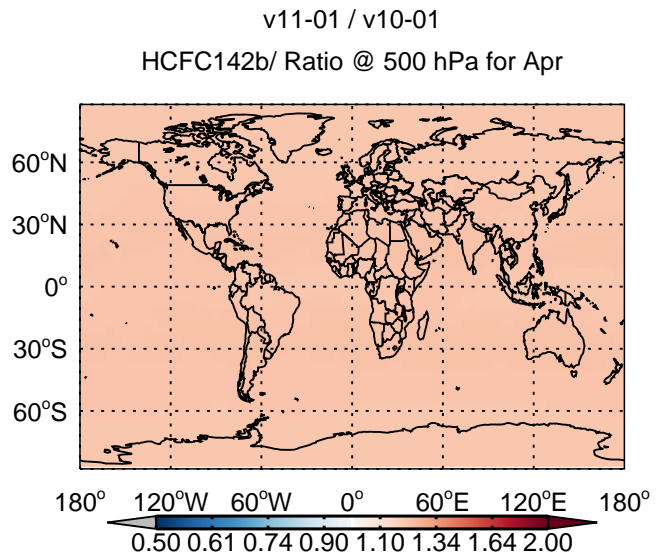
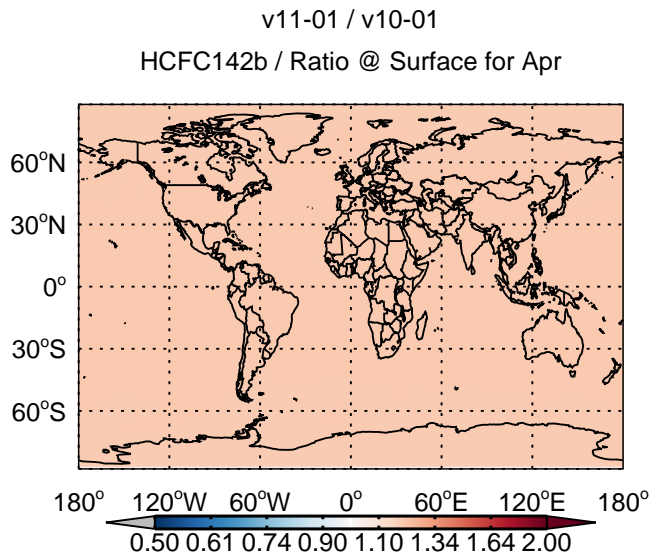
GEOS-Chem Ratio Maps at surface and 500 hPa



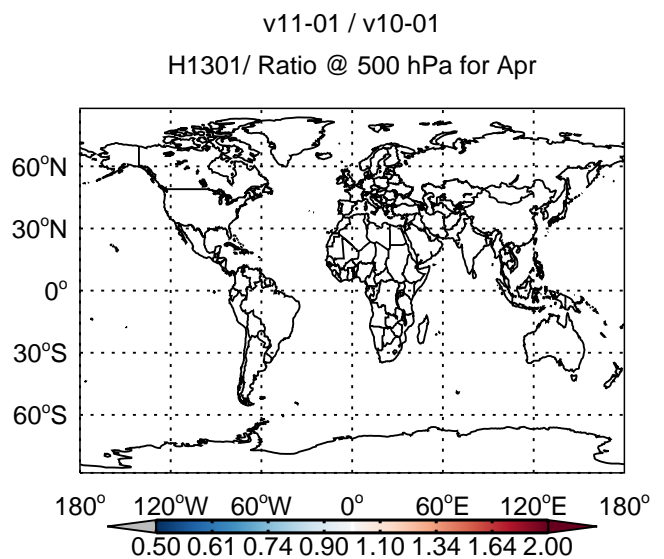
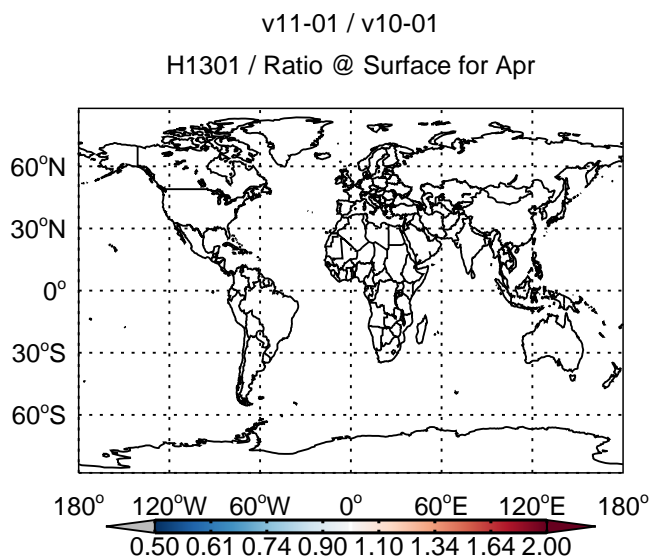
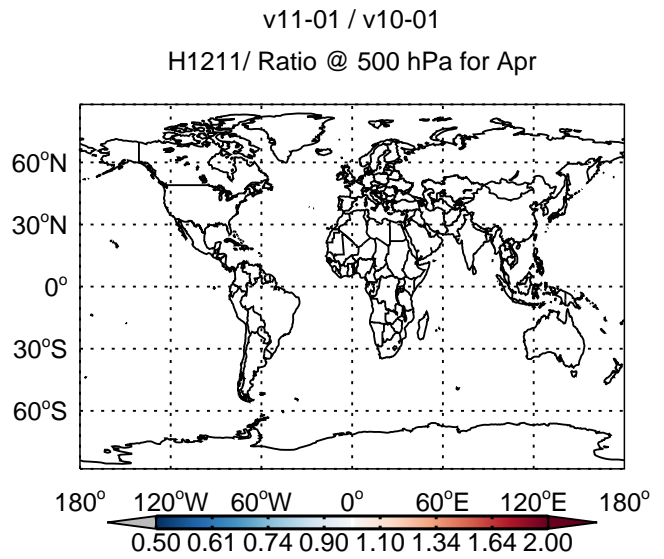
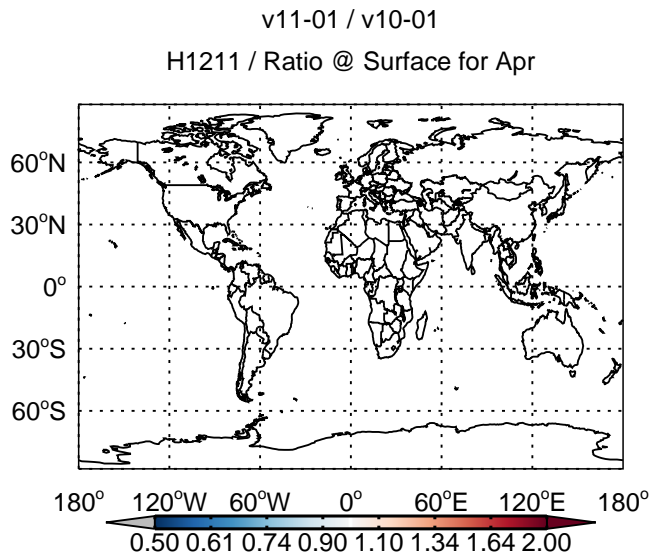
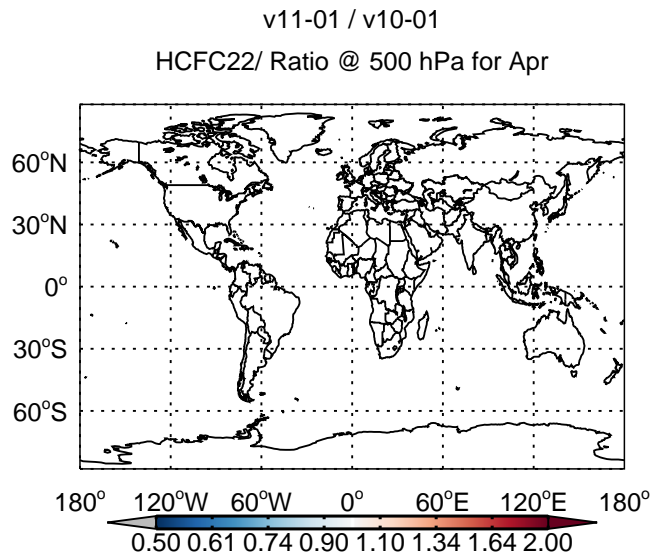
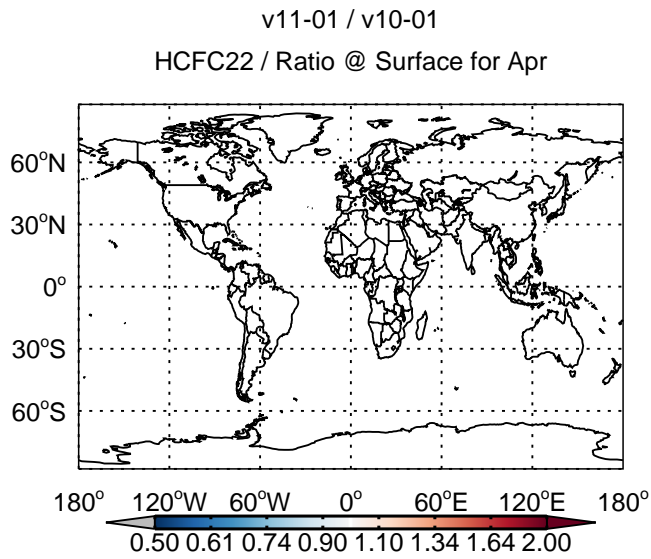
GEOS-Chem Ratio Maps at surface and 500 hPa



GEOS-Chem Ratio Maps at surface and 500 hPa



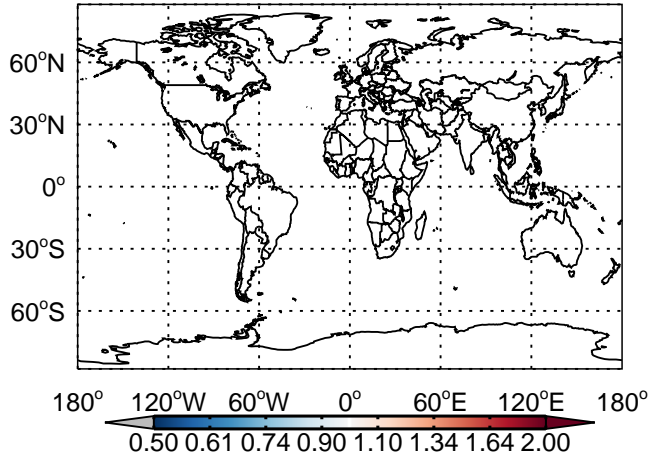
GEOS-Chem Ratio Maps at surface and 500 hPa



GEOS-Chem Ratio Maps at surface and 500 hPa

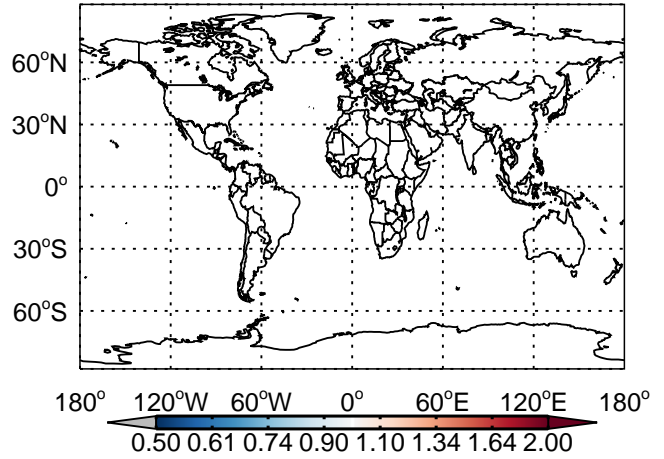
v11-01 / v10-01

H2402 / Ratio @ Surface for Apr



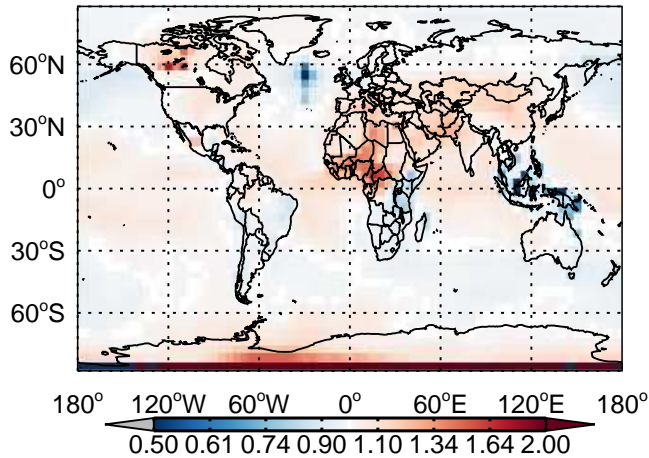
v11-01 / v10-01

H2402/ Ratio @ 500 hPa for Apr



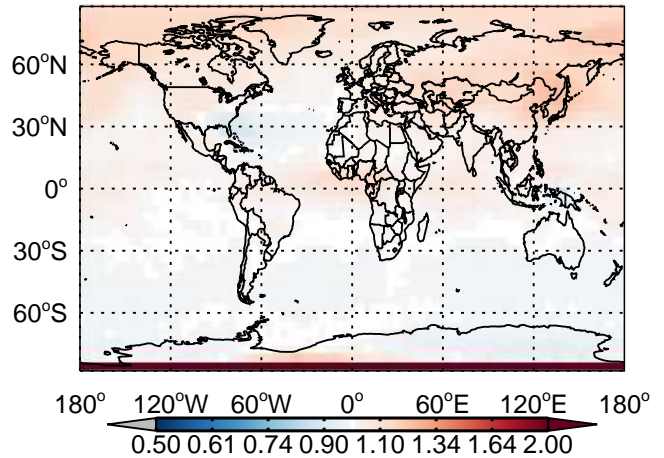
v11-01 / v10-01

Cl / Ratio @ Surface for Apr



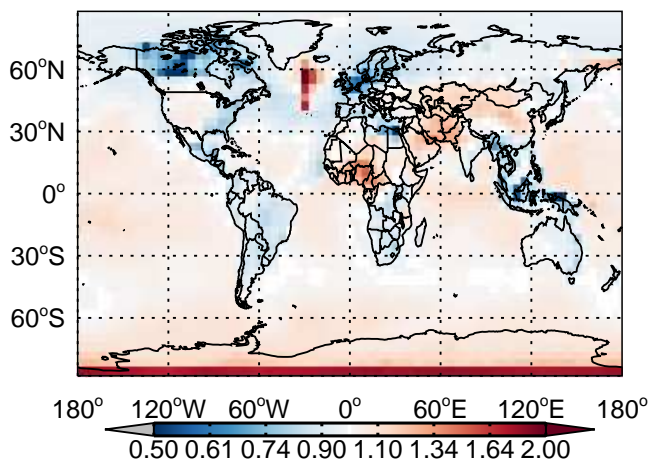
v11-01 / v10-01

Cl / Ratio @ 500 hPa for Apr



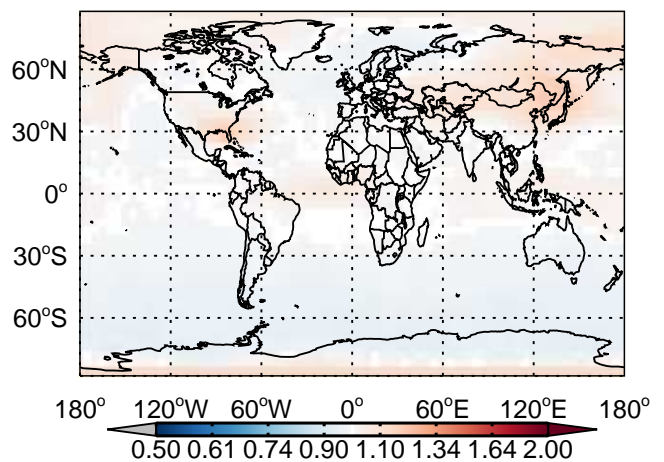
v11-01 / v10-01

ClO / Ratio @ Surface for Apr



v11-01 / v10-01

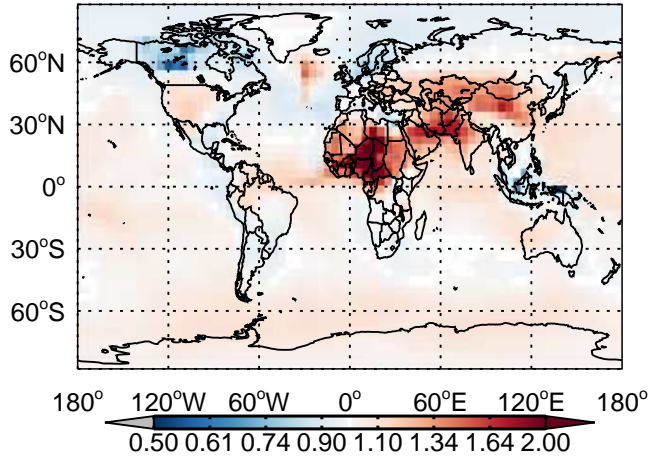
ClO / Ratio @ 500 hPa for Apr



GEOS-Chem Ratio Maps at surface and 500 hPa

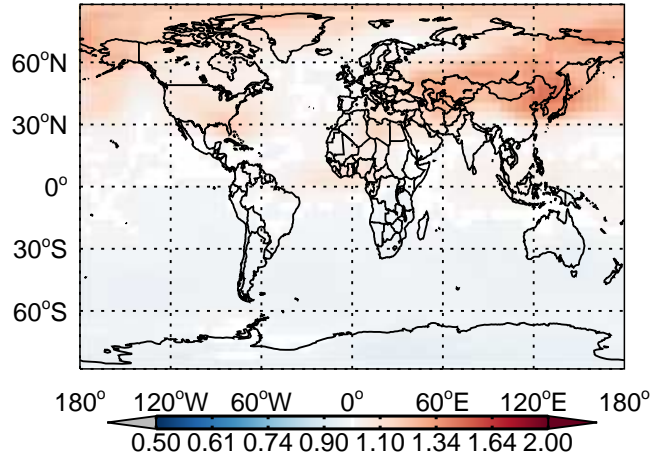
v11-01 / v10-01

HOCl/ Ratio @ Surface for Apr



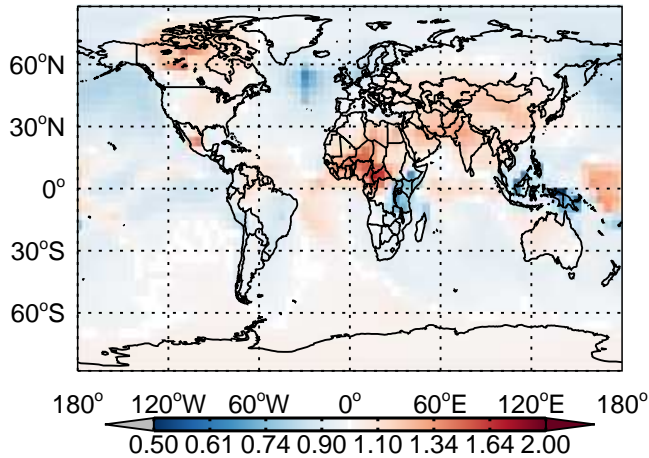
v11-01 / v10-01

HOCl/ Ratio @ 500 hPa for Apr



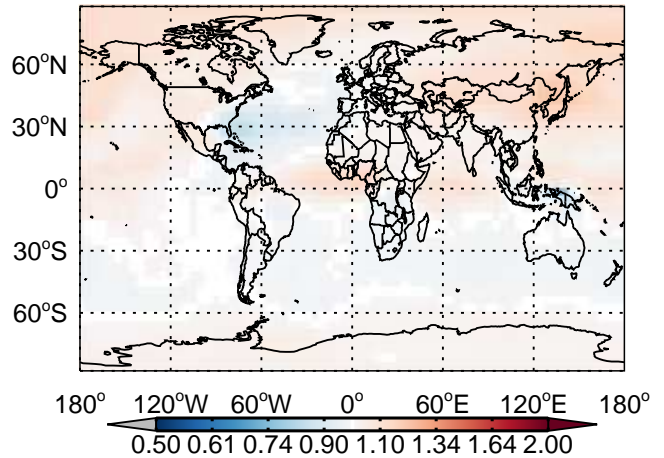
v11-01 / v10-01

CINO3/ Ratio @ Surface for Apr



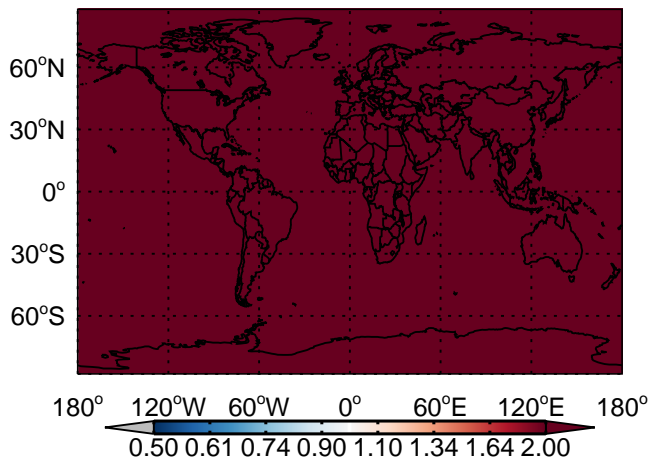
v11-01 / v10-01

CINO3/ Ratio @ 500 hPa for Apr



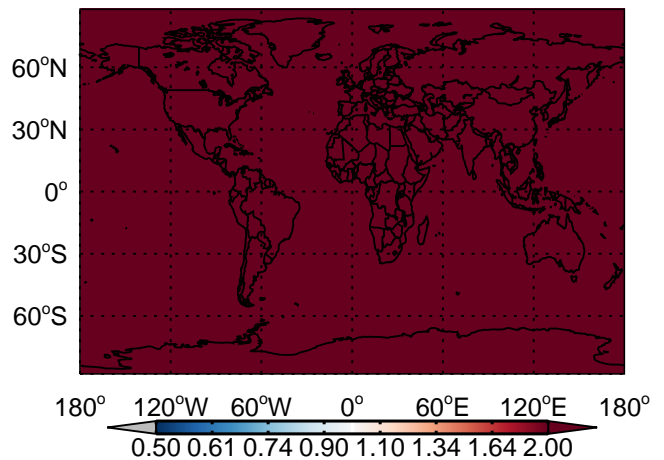
v11-01 / v10-01

CINO2/ Ratio @ Surface for Apr



v11-01 / v10-01

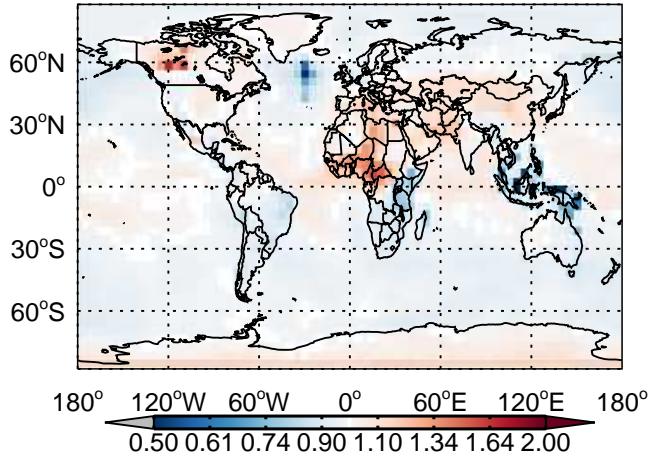
CINO2/ Ratio @ 500 hPa for Apr



GEOS-Chem Ratio Maps at surface and 500 hPa

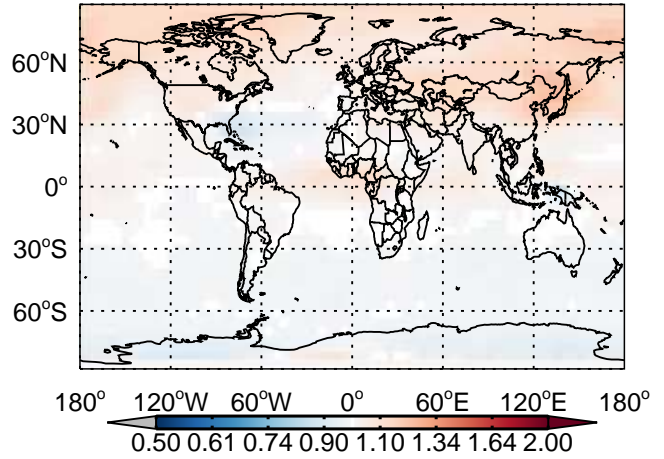
v11-01 / v10-01

CIOO / Ratio @ Surface for Apr



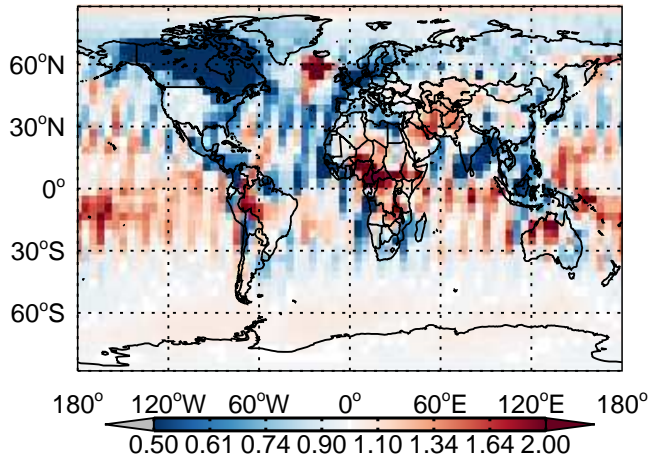
v11-01 / v10-01

CIOO/ Ratio @ 500 hPa for Apr



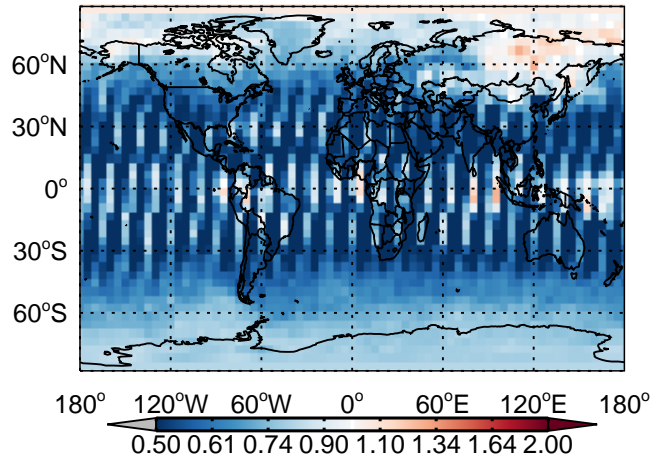
v11-01 / v10-01

OCIO / Ratio @ Surface for Apr



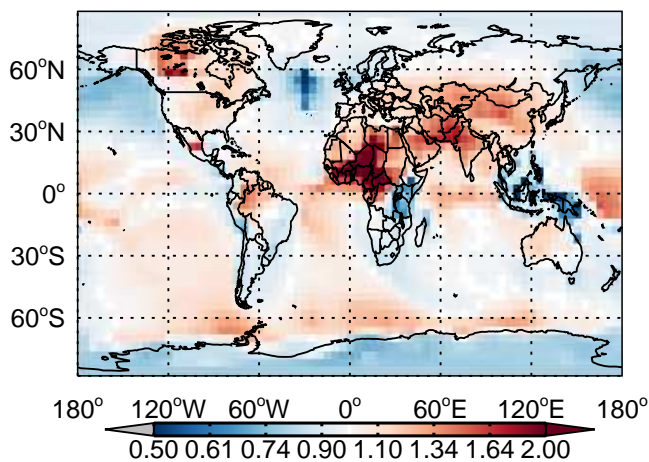
v11-01 / v10-01

OCIO/ Ratio @ 500 hPa for Apr



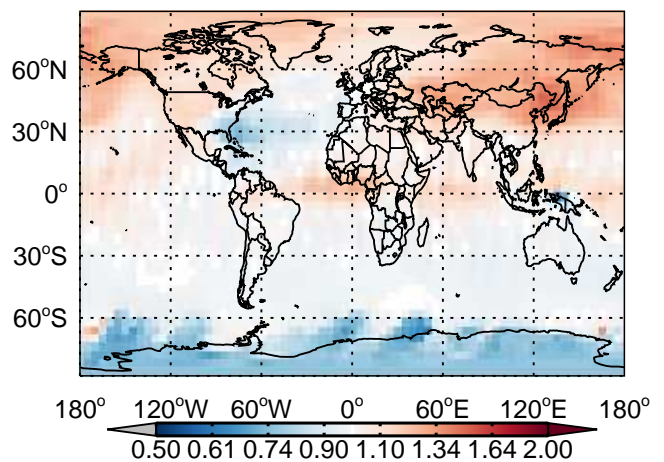
v11-01 / v10-01

Cl2 / Ratio @ Surface for Apr



v11-01 / v10-01

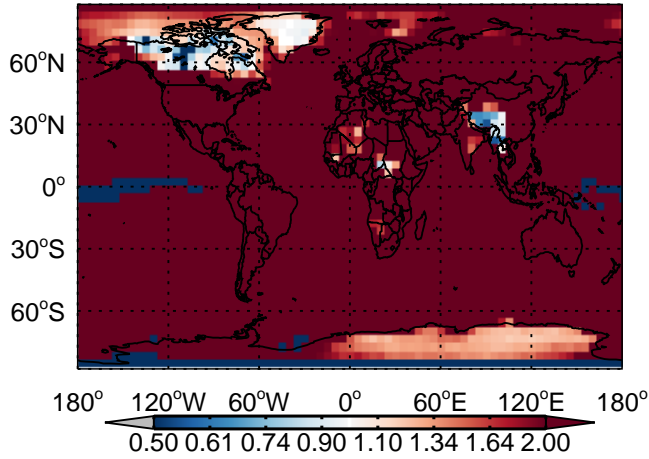
Cl2/ Ratio @ 500 hPa for Apr



GEOS-Chem Ratio Maps at surface and 500 hPa

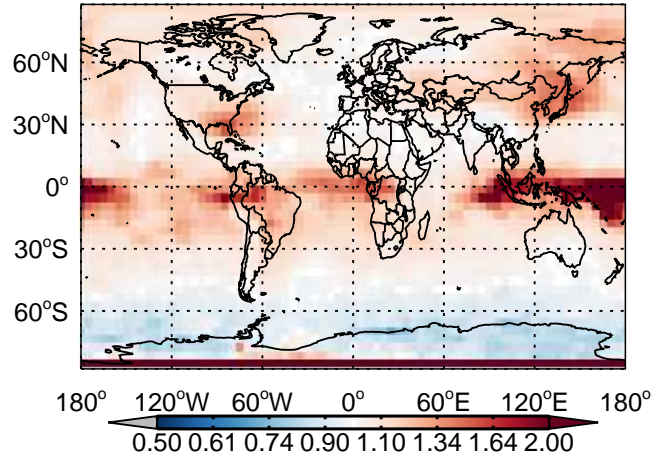
v11-01 / v10-01

Cl2O2 / Ratio @ Surface for Apr



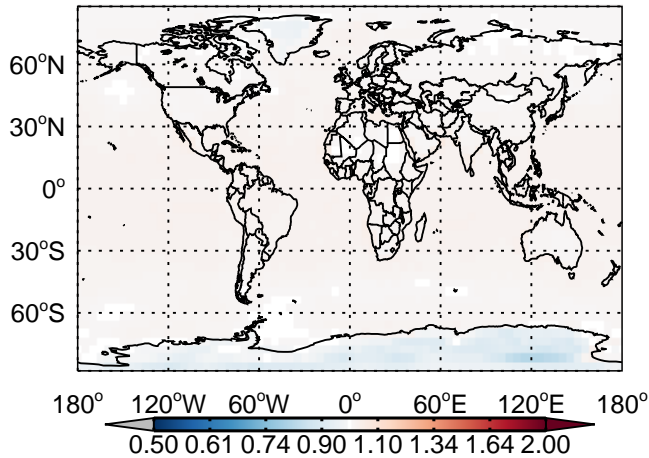
v11-01 / v10-01

Cl2O2/ Ratio @ 500 hPa for Apr



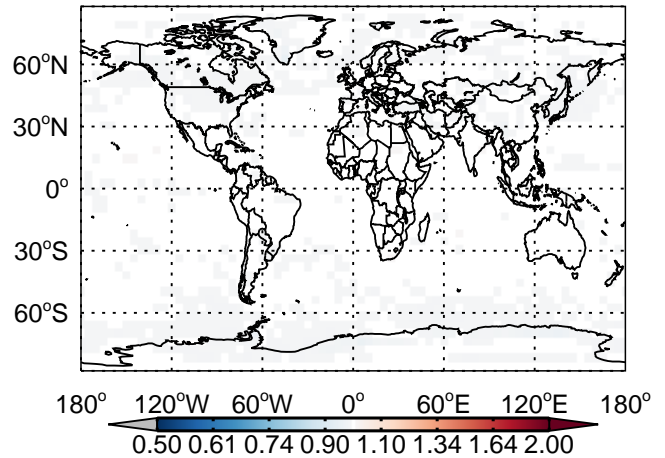
v11-01 / v10-01

H2O / Ratio @ Surface for Apr



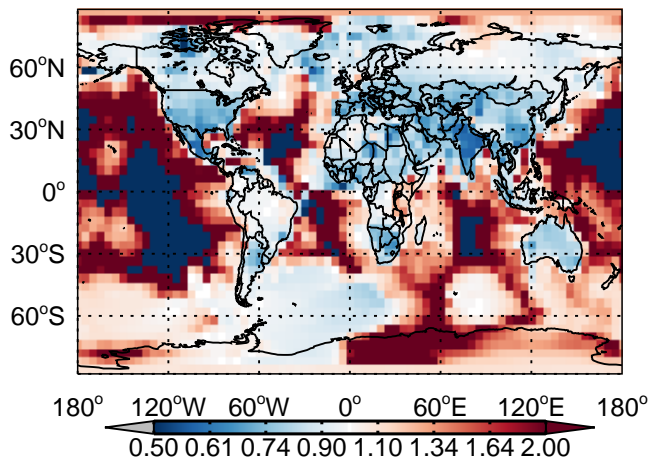
v11-01 / v10-01

H2O/ Ratio @ 500 hPa for Apr



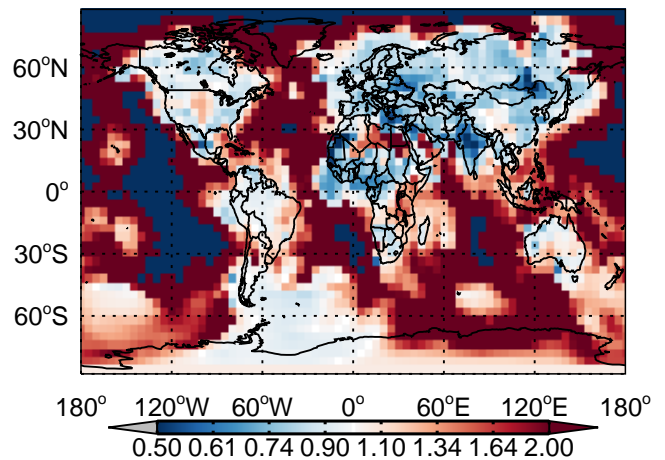
v11-01 / v10-01

MTPA / Ratio @ Surface for Apr



v11-01 / v10-01

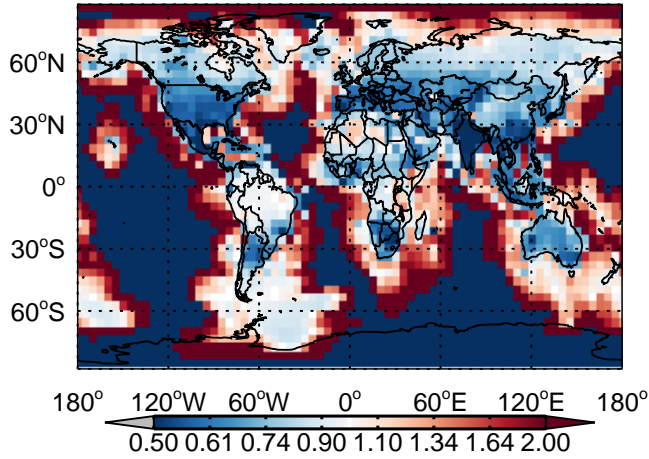
MTPA/ Ratio @ 500 hPa for Apr



GEOS-Chem Ratio Maps at surface and 500 hPa

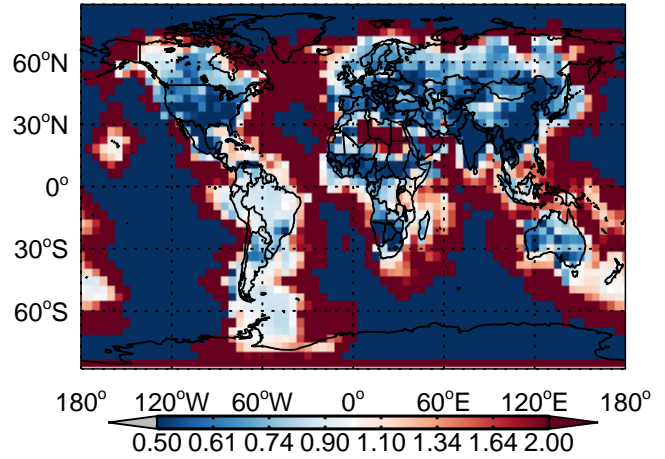
v11-01 / v10-01

LIMO / Ratio @ Surface for Apr



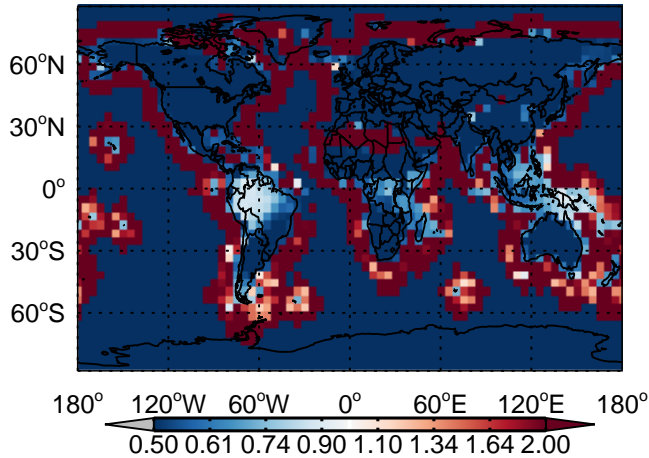
v11-01 / v10-01

LIMO/ Ratio @ 500 hPa for Apr



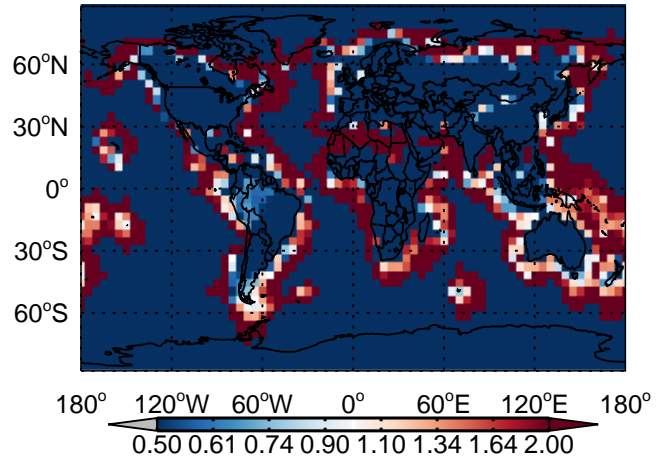
v11-01 / v10-01

MTPO / Ratio @ Surface for Apr



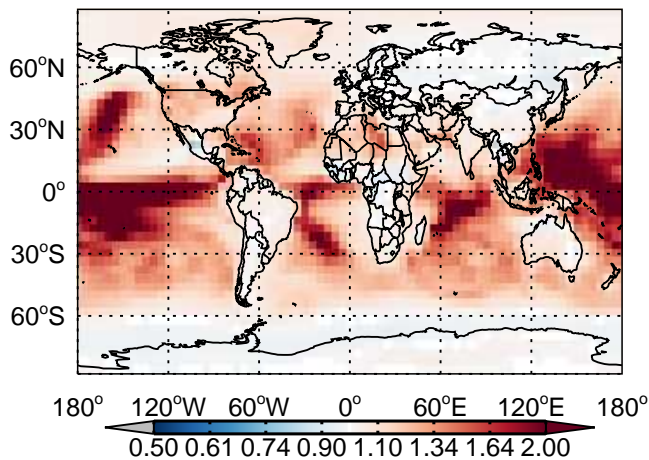
v11-01 / v10-01

MTPO/ Ratio @ 500 hPa for Apr



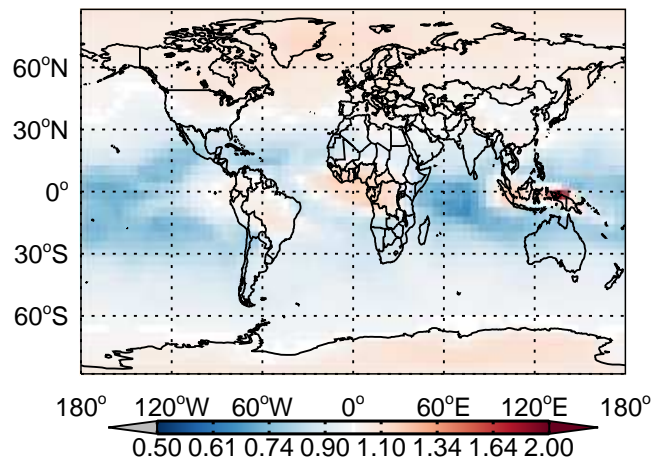
v11-01 / v10-01

TSOG1 / Ratio @ Surface for Apr

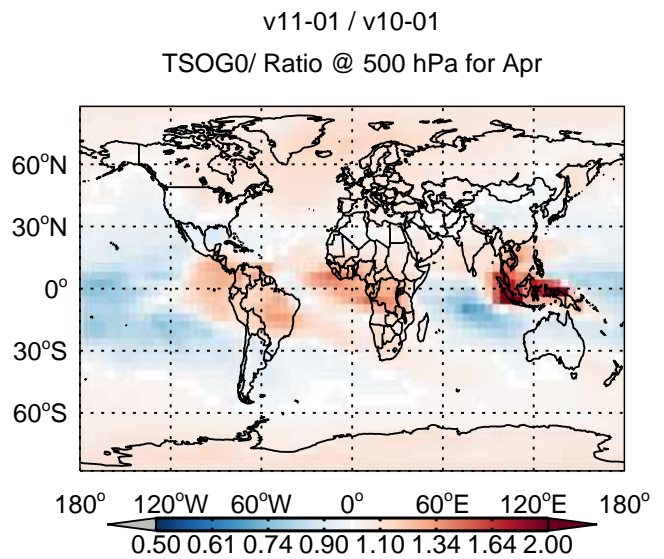
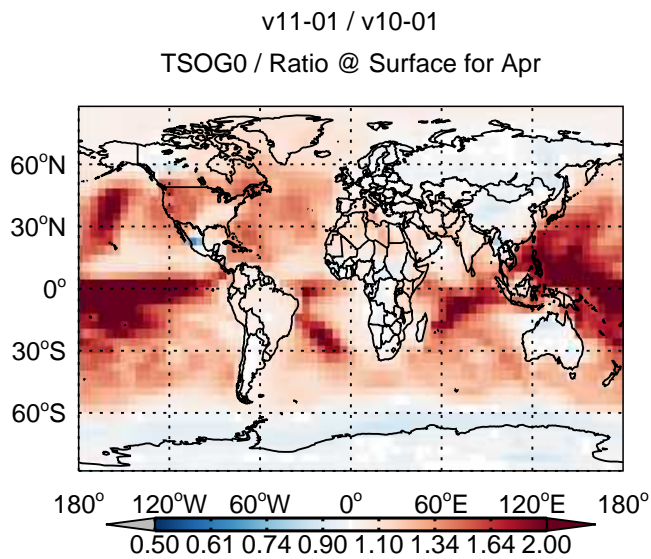
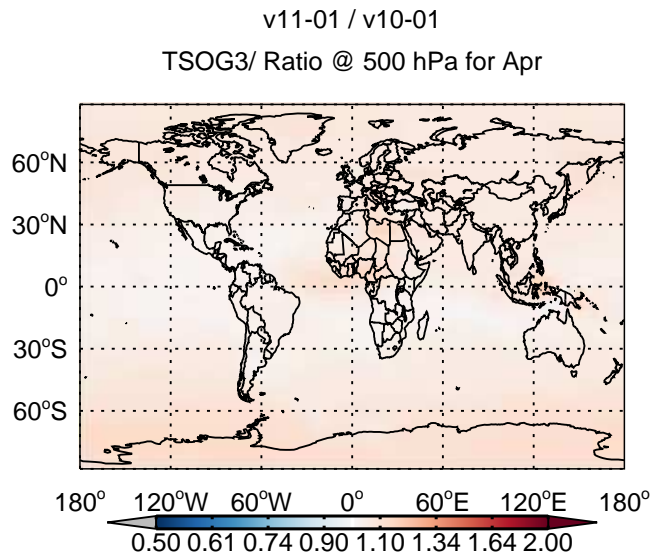
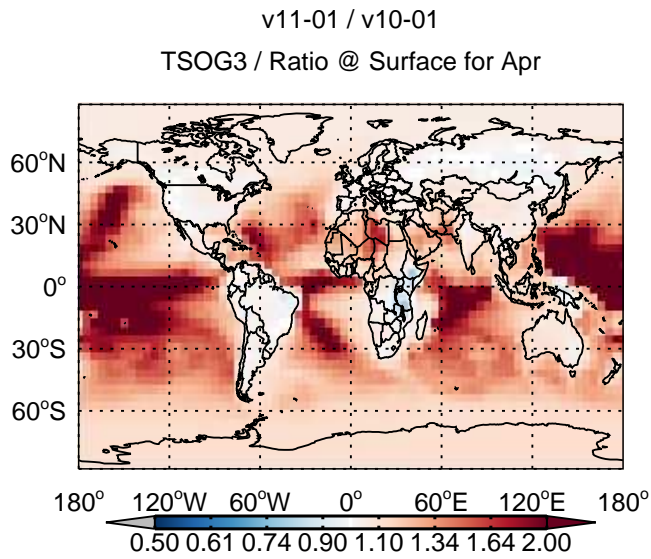
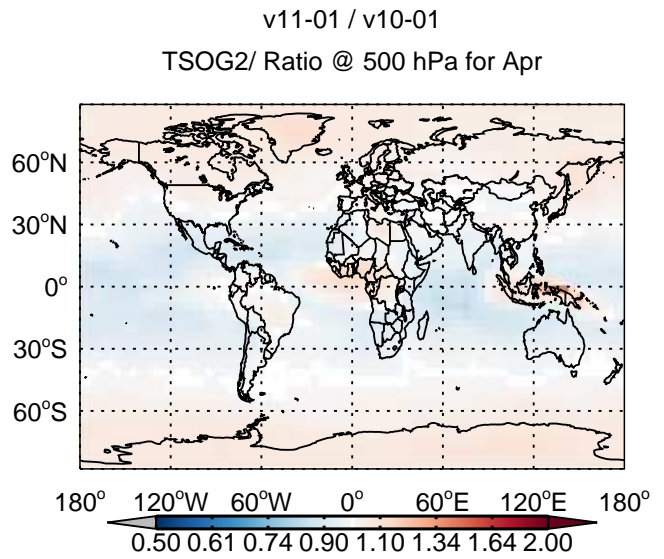
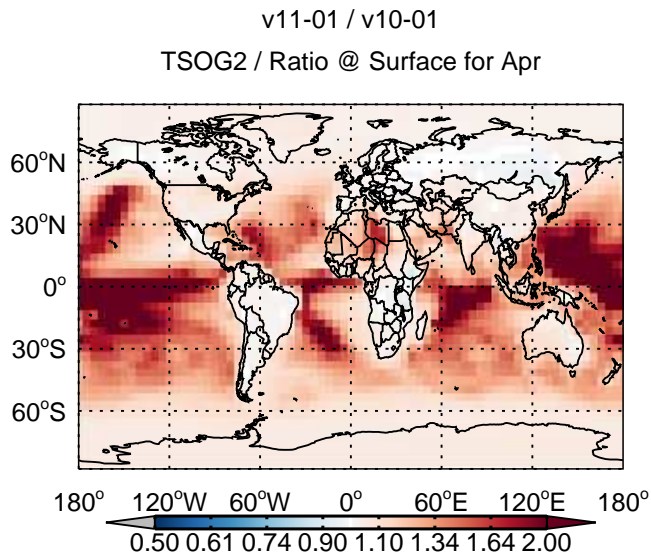


v11-01 / v10-01

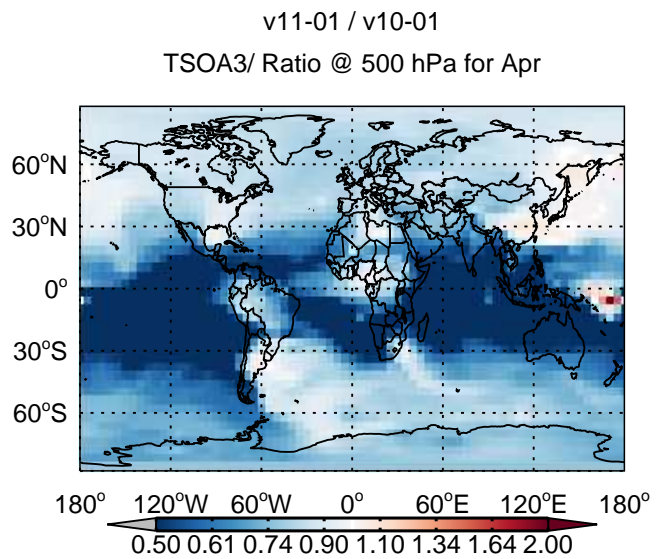
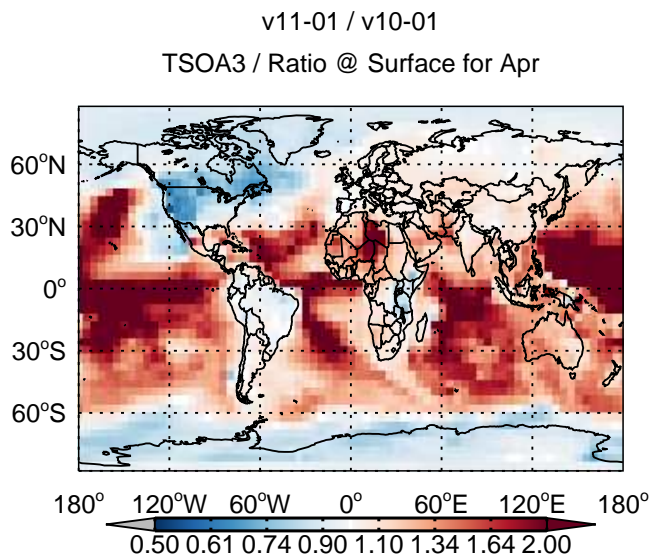
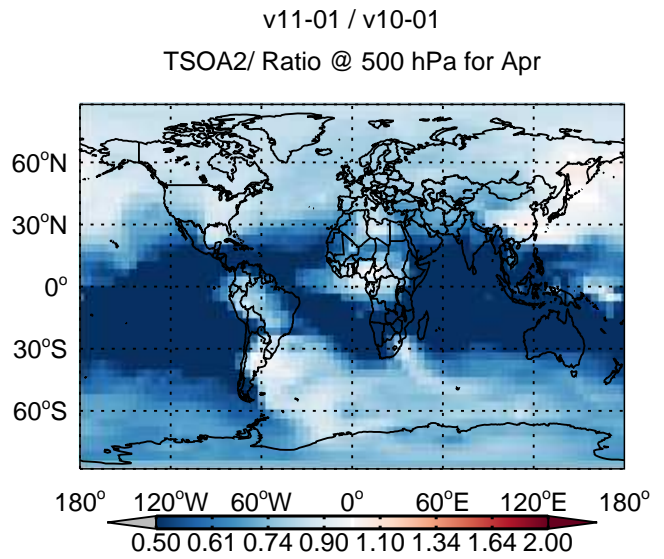
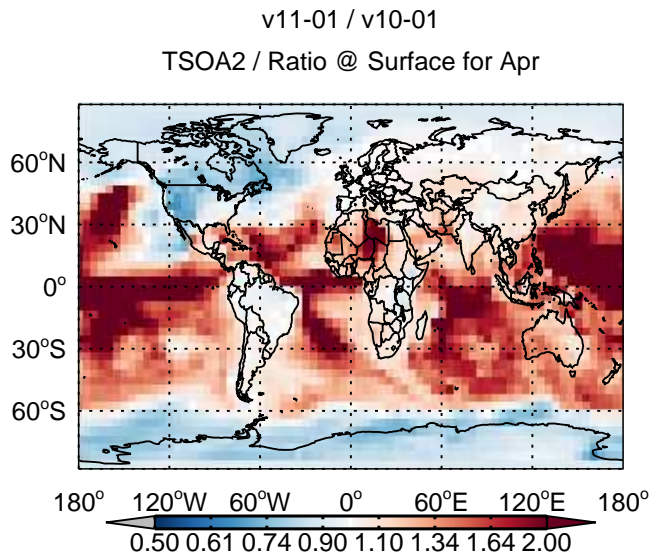
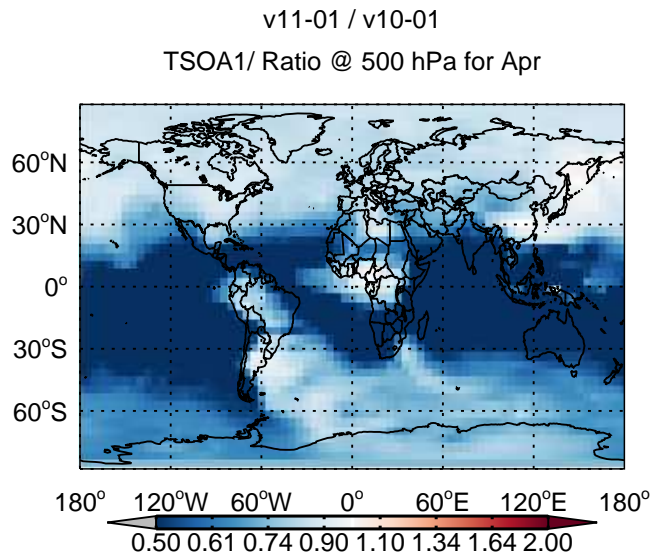
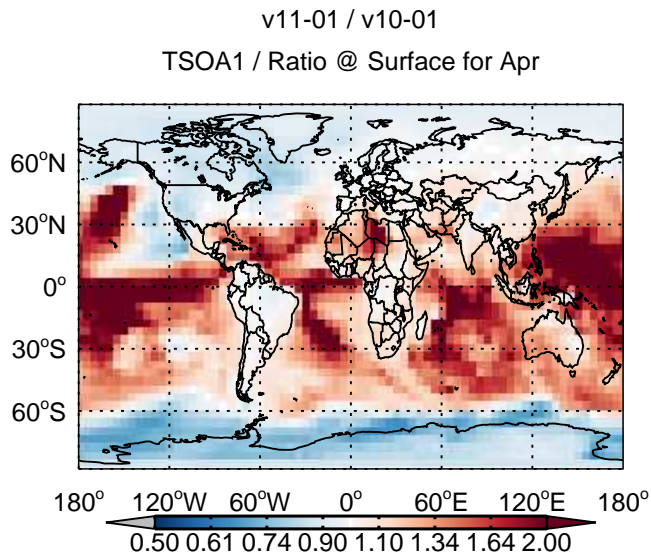
TSOG1/ Ratio @ 500 hPa for Apr



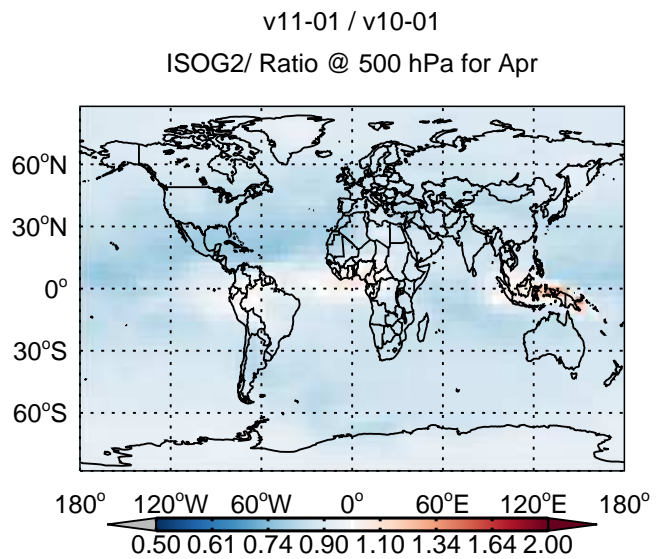
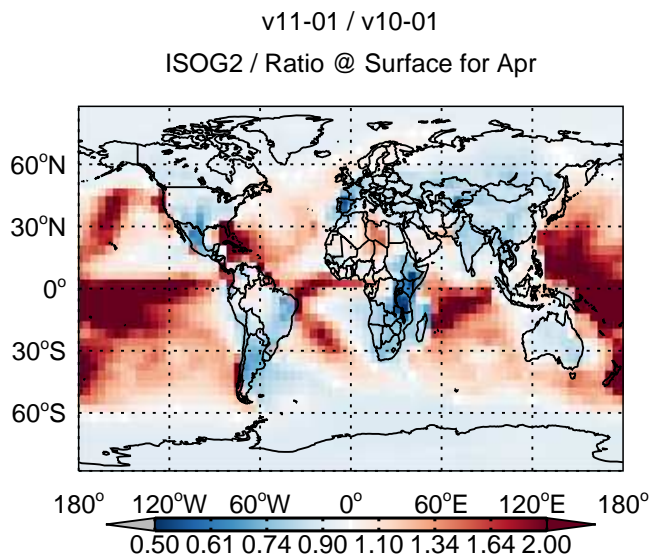
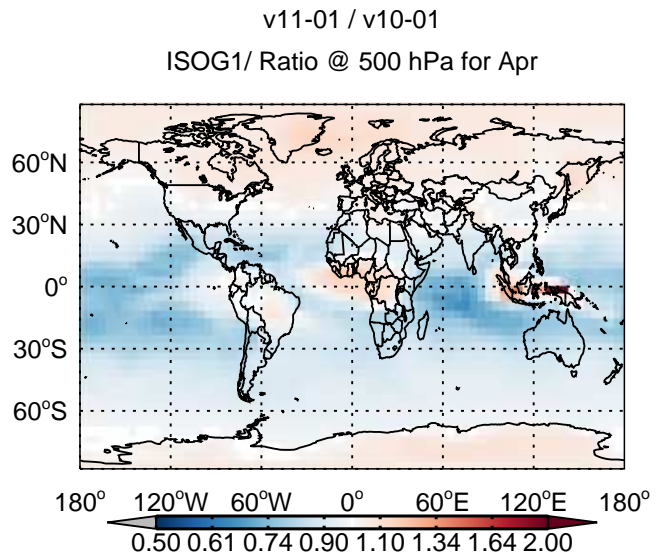
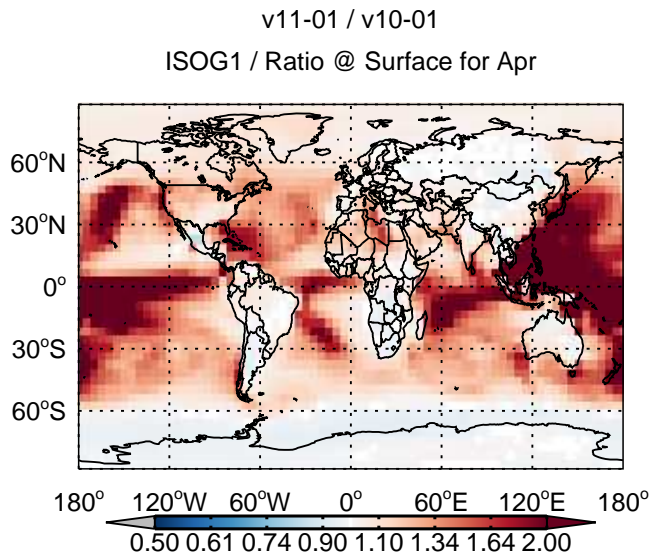
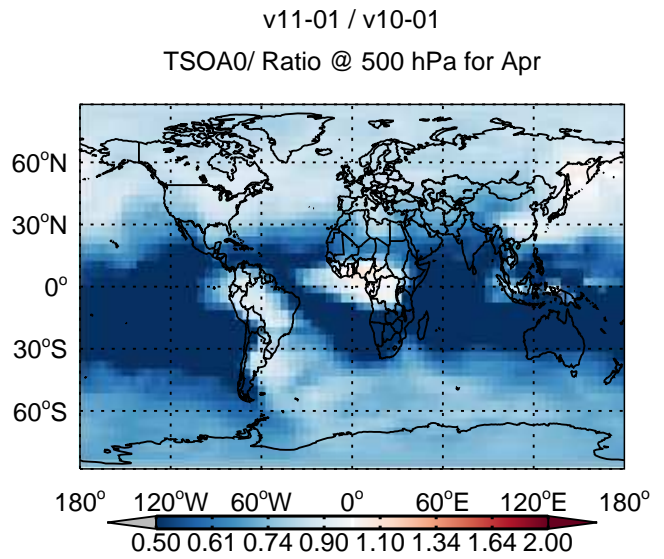
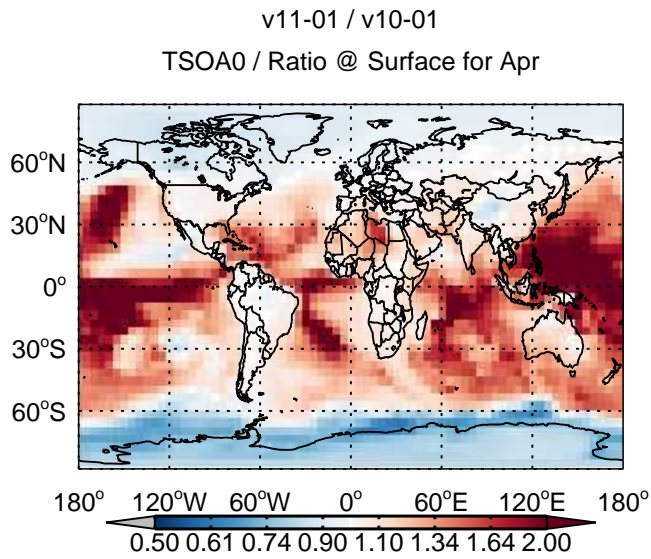
GEOS-Chem Ratio Maps at surface and 500 hPa



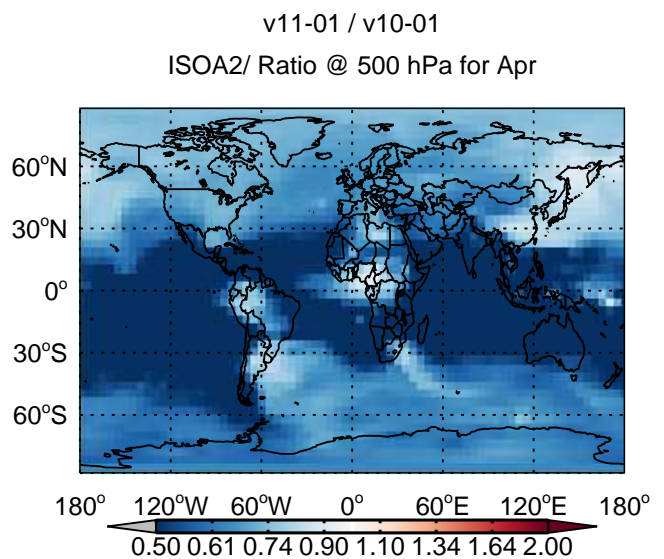
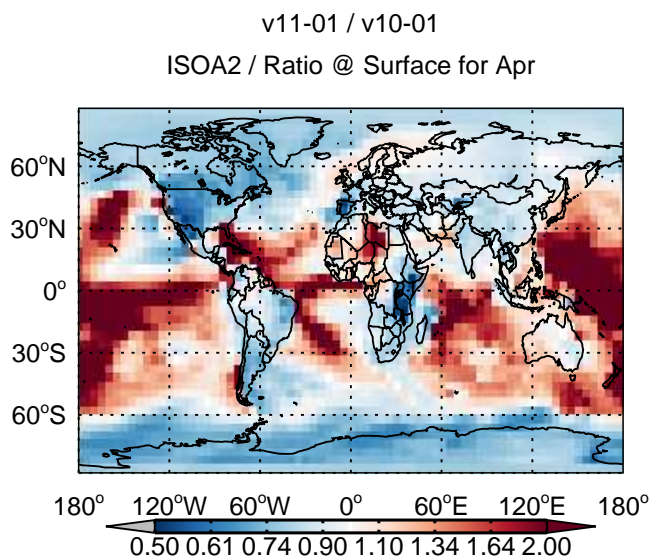
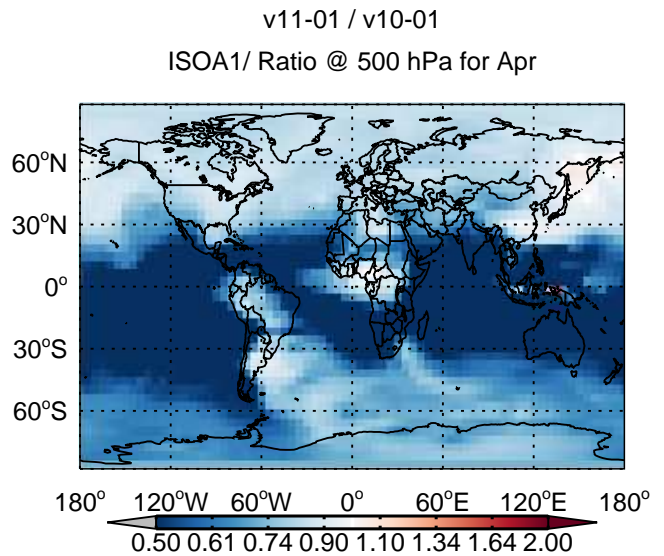
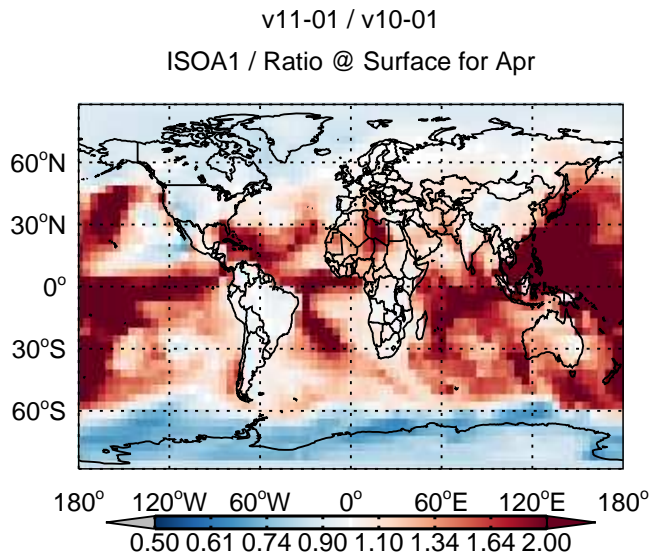
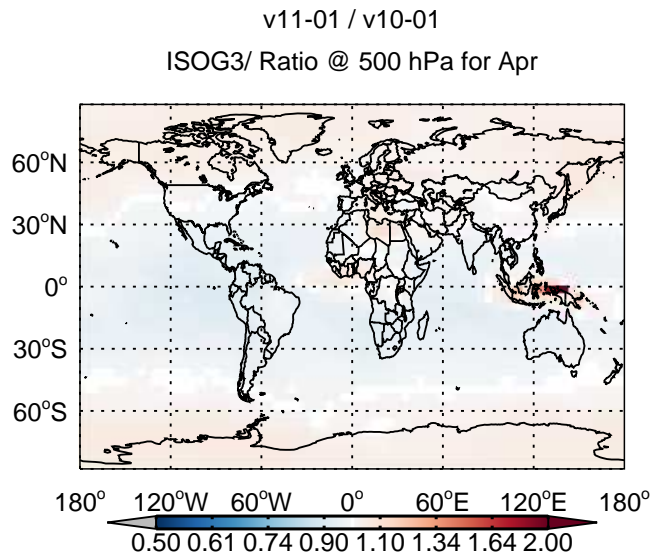
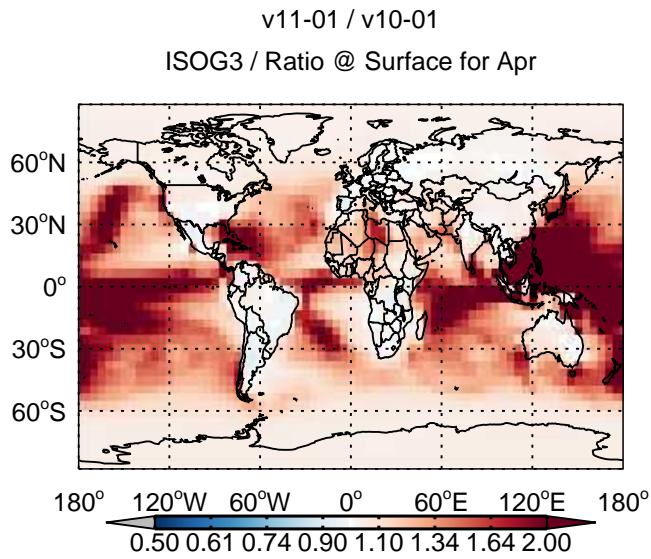
GEOS-Chem Ratio Maps at surface and 500 hPa



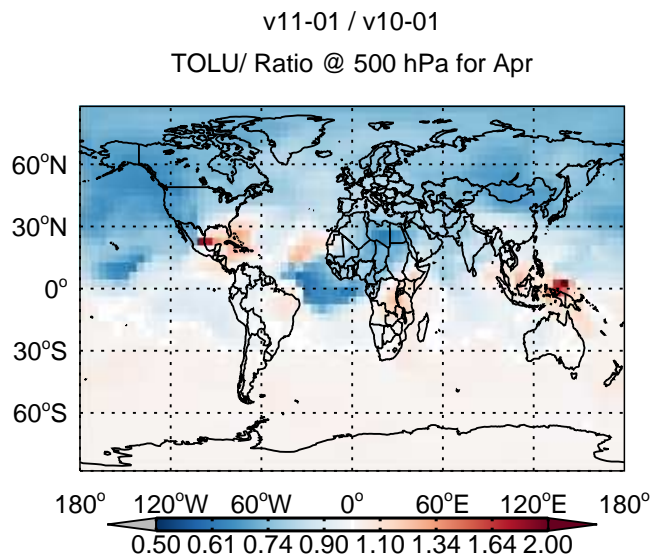
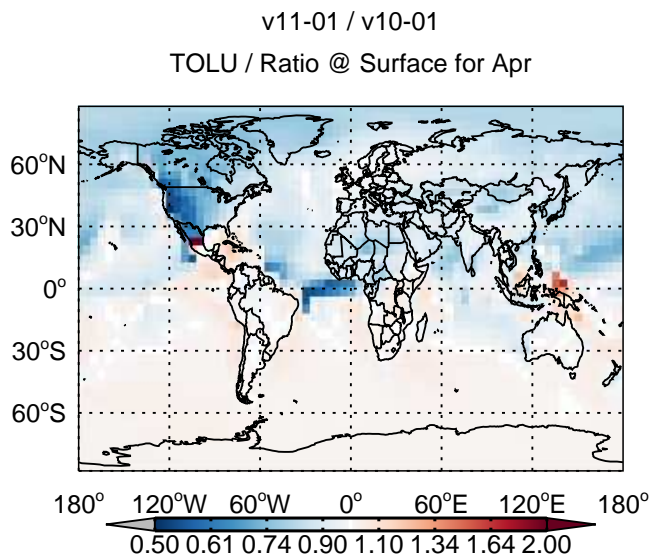
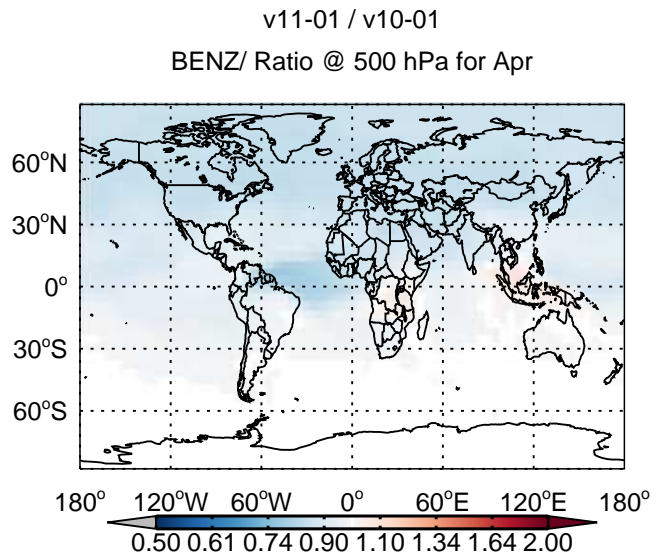
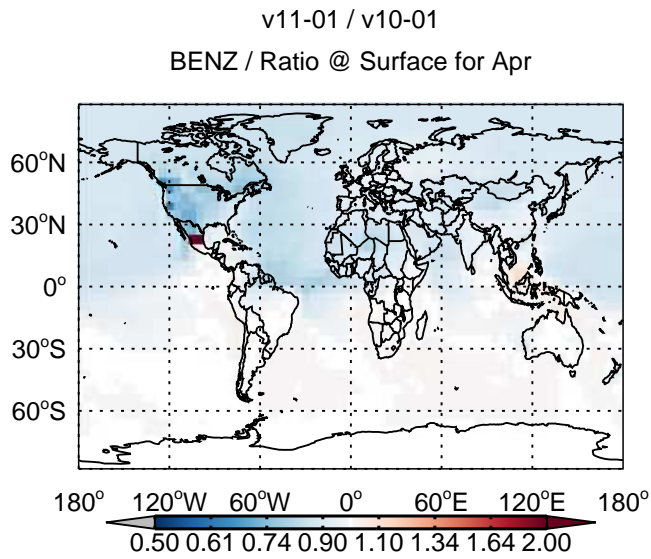
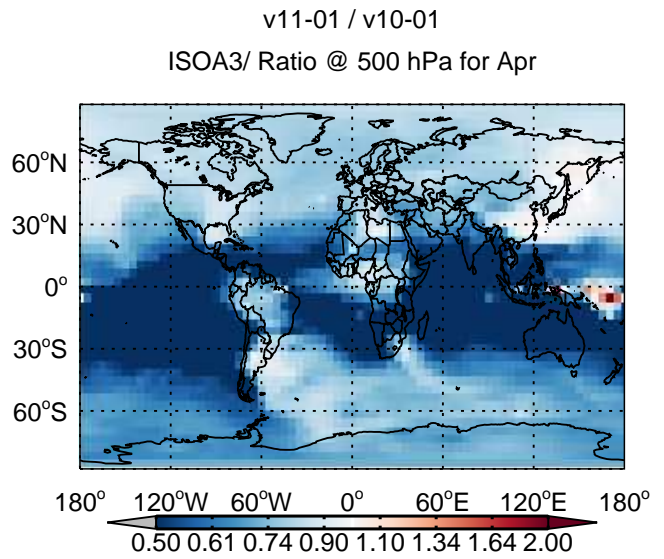
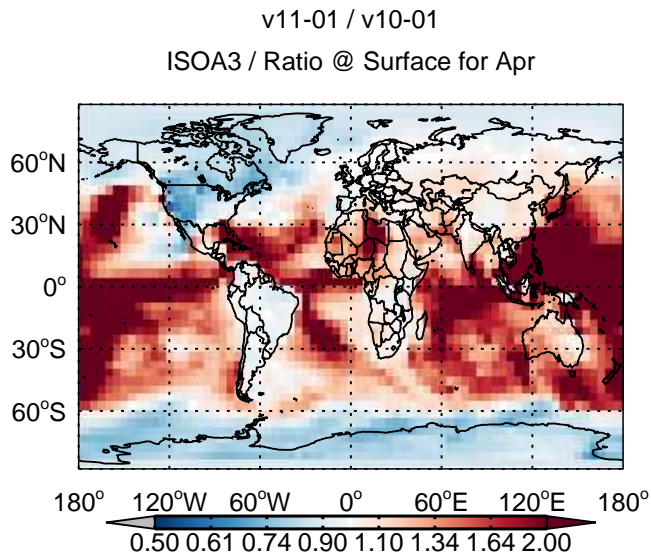
GEOS-Chem Ratio Maps at surface and 500 hPa



GEOS-Chem Ratio Maps at surface and 500 hPa



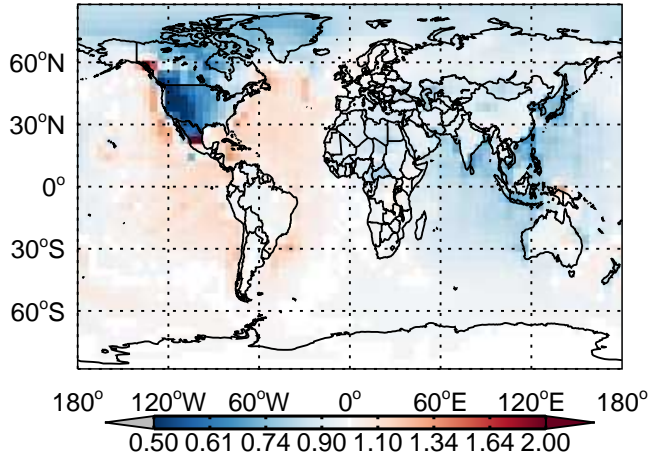
GEOS-Chem Ratio Maps at surface and 500 hPa



GEOS-Chem Ratio Maps at surface and 500 hPa

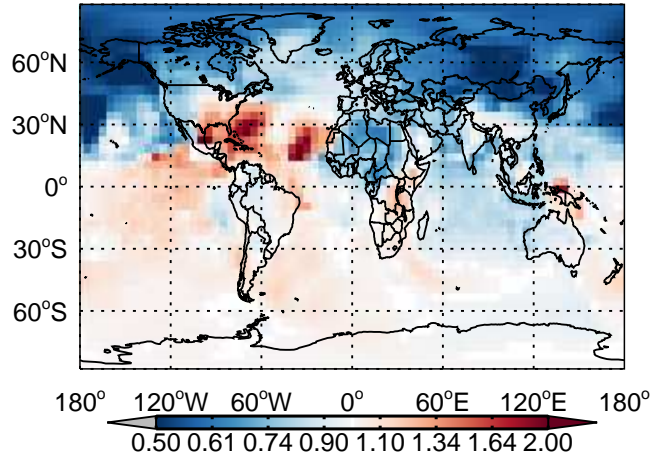
v11-01 / v10-01

XYLE / Ratio @ Surface for Apr



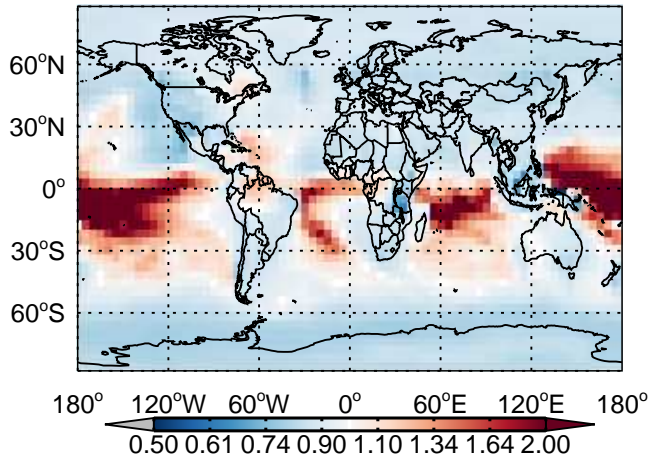
v11-01 / v10-01

XYLE/ Ratio @ 500 hPa for Apr



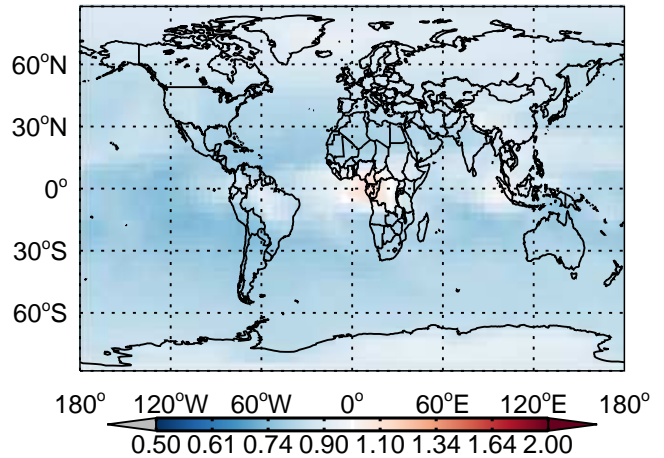
v11-01 / v10-01

ASOG1 / Ratio @ Surface for Apr



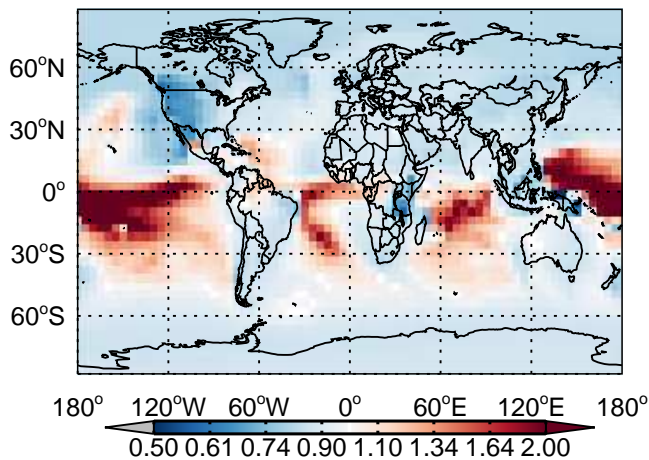
v11-01 / v10-01

ASOG1 / Ratio @ 500 hPa for Apr



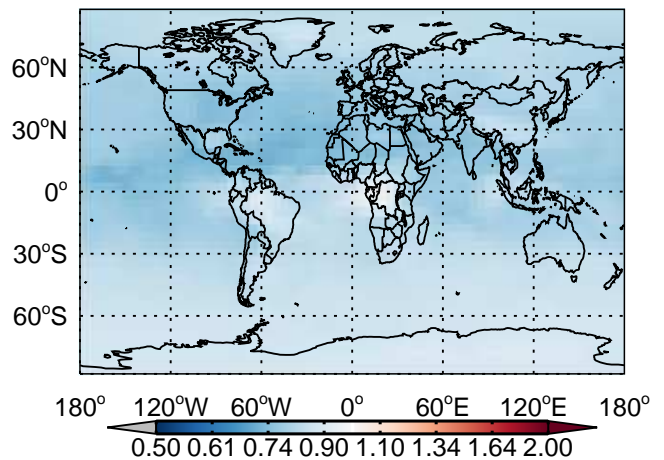
v11-01 / v10-01

ASOG2 / Ratio @ Surface for Apr

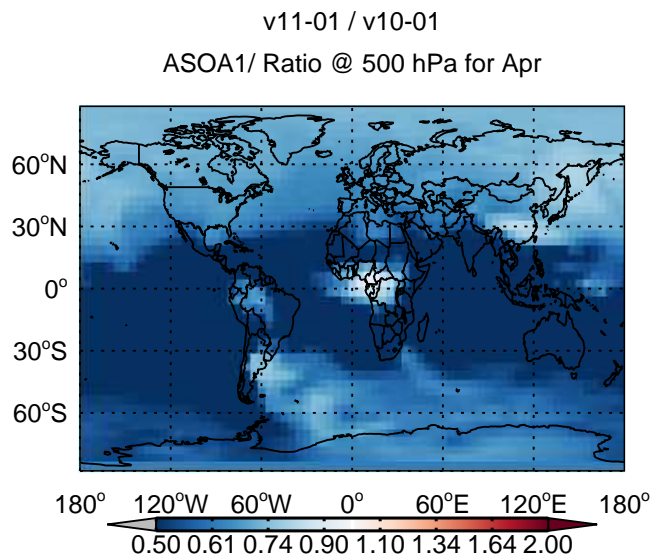
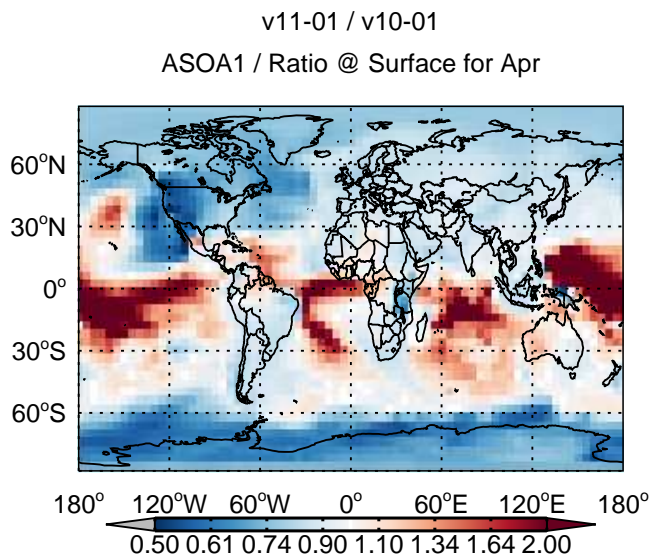
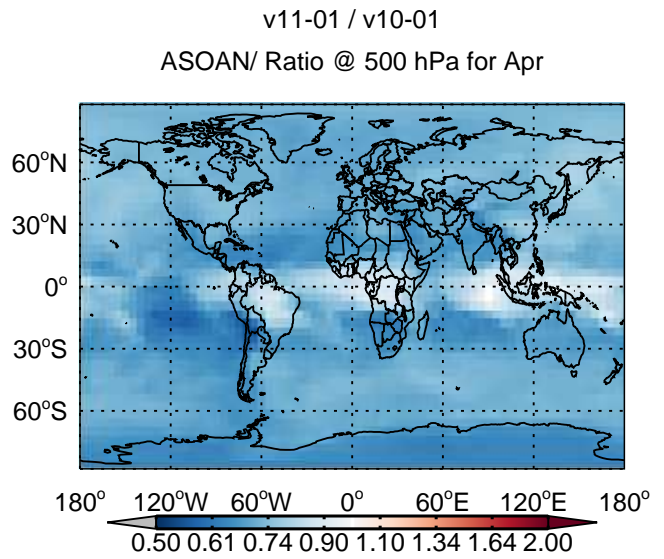
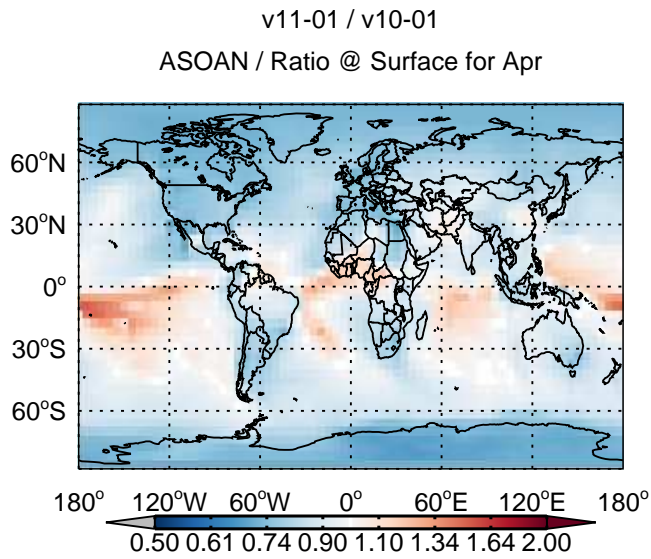
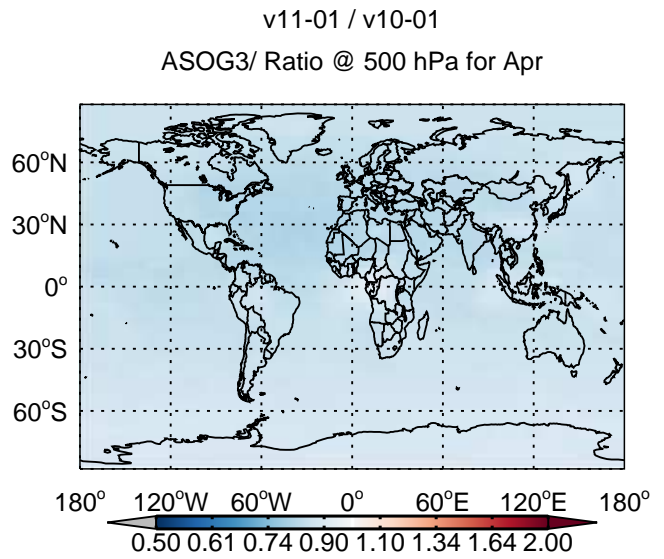
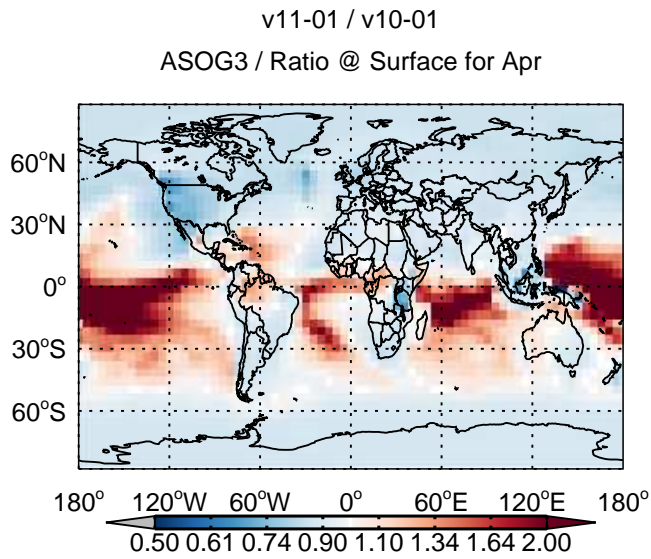


v11-01 / v10-01

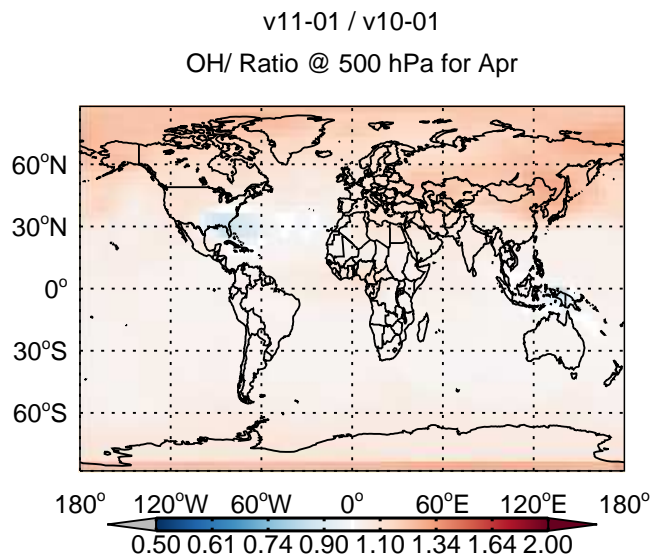
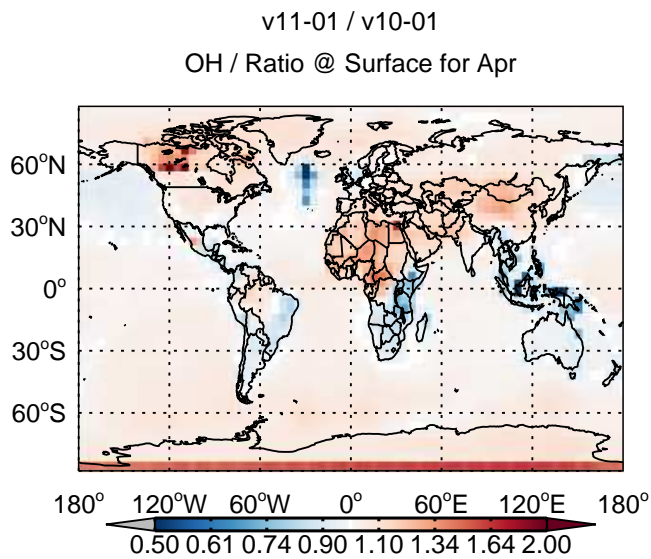
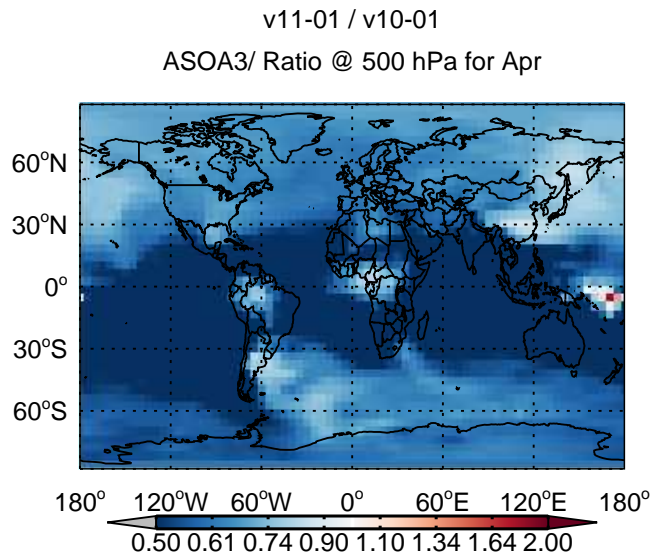
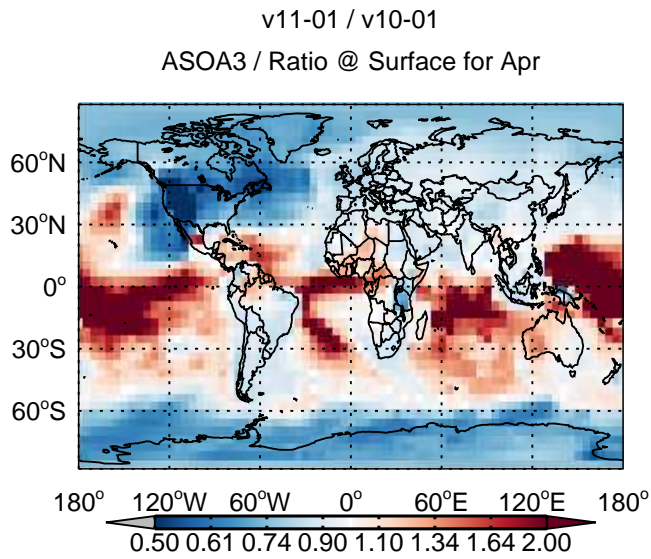
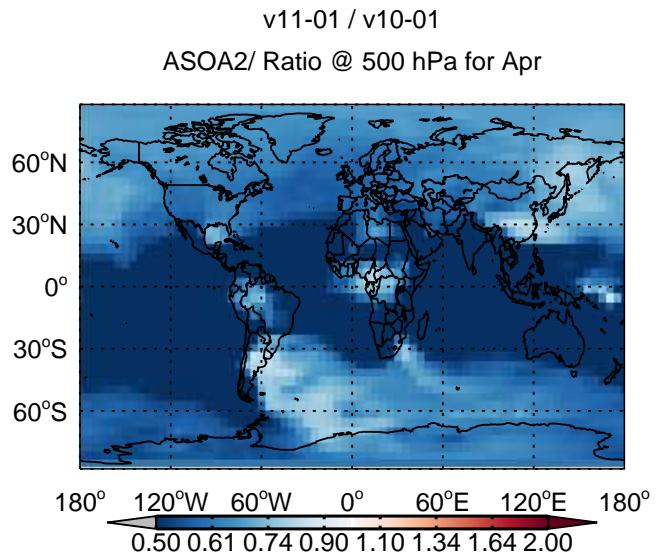
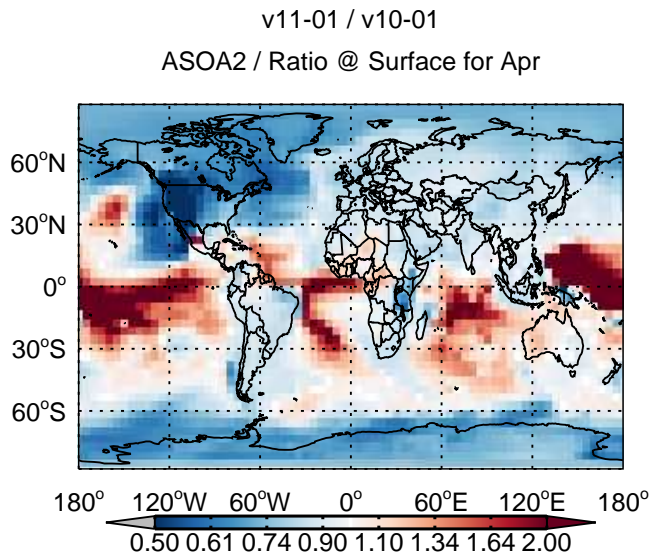
ASOG2 / Ratio @ 500 hPa for Apr



GEOS-Chem Ratio Maps at surface and 500 hPa



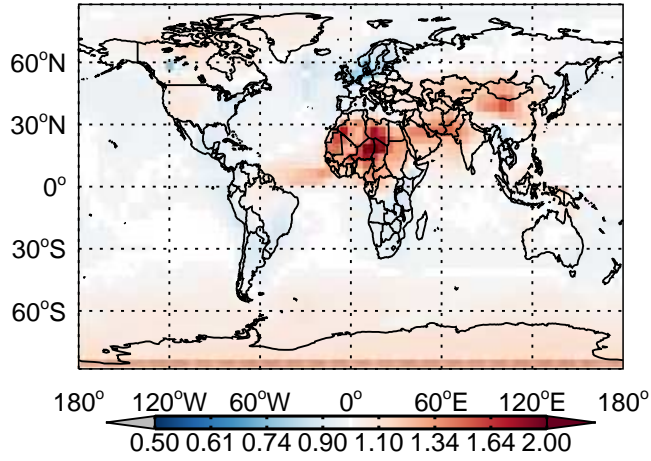
GEOS-Chem Ratio Maps at surface and 500 hPa



GEOS-Chem Ratio Maps at surface and 500 hPa

v11-01 / v10-01

HO₂ / Ratio @ Surface for Apr



v11-01 / v10-01

HO₂ / Ratio @ 500 hPa for Apr

