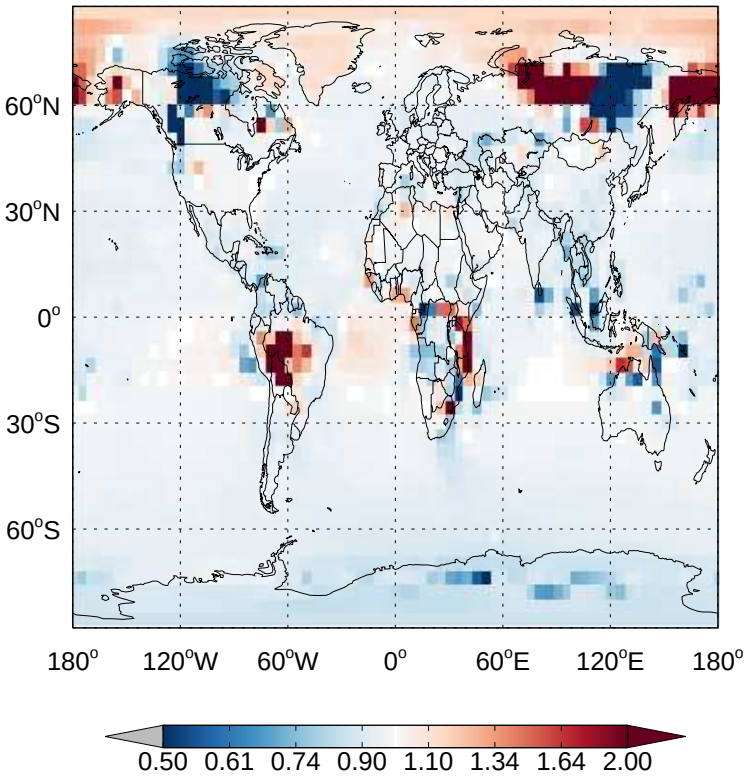
GEOS-Chem Ratio Maps at surface and 500 hPa

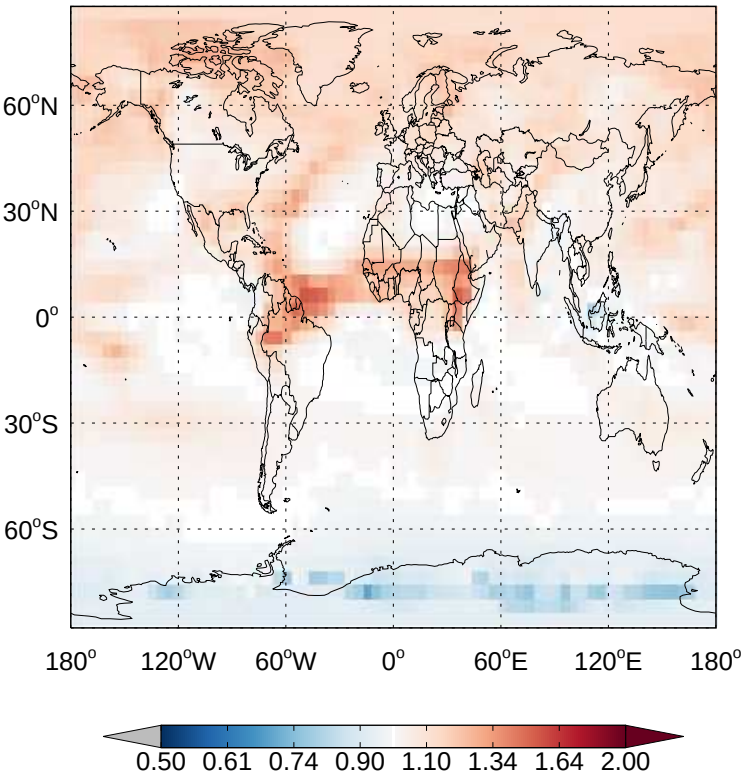
GC_12.0.0 / v11-02f-Run1

NO / Ratio @ Surface for Jul



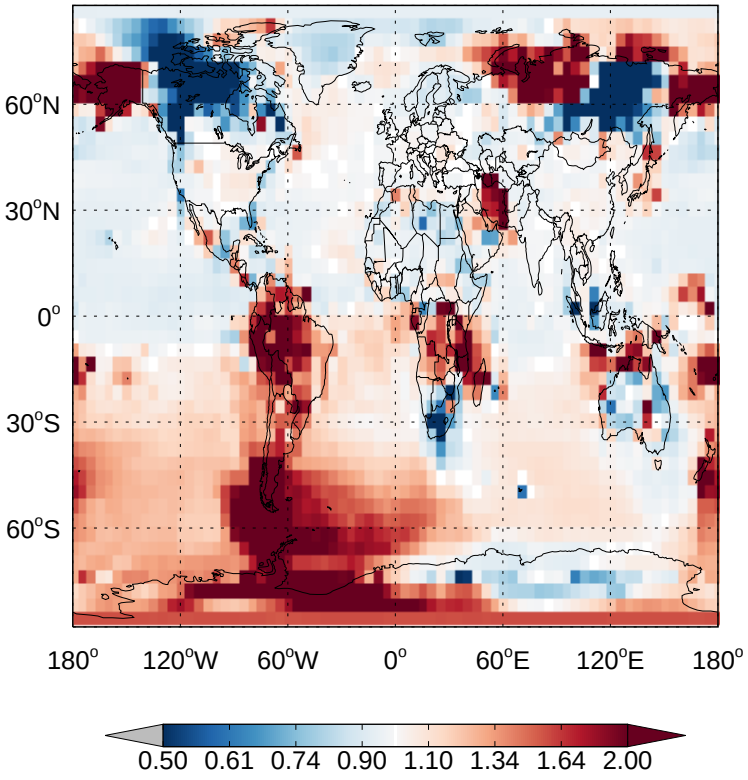
GC_12.0.0 / v11-02f-Run1

NO/ Ratio @ 500 hPa for Jul



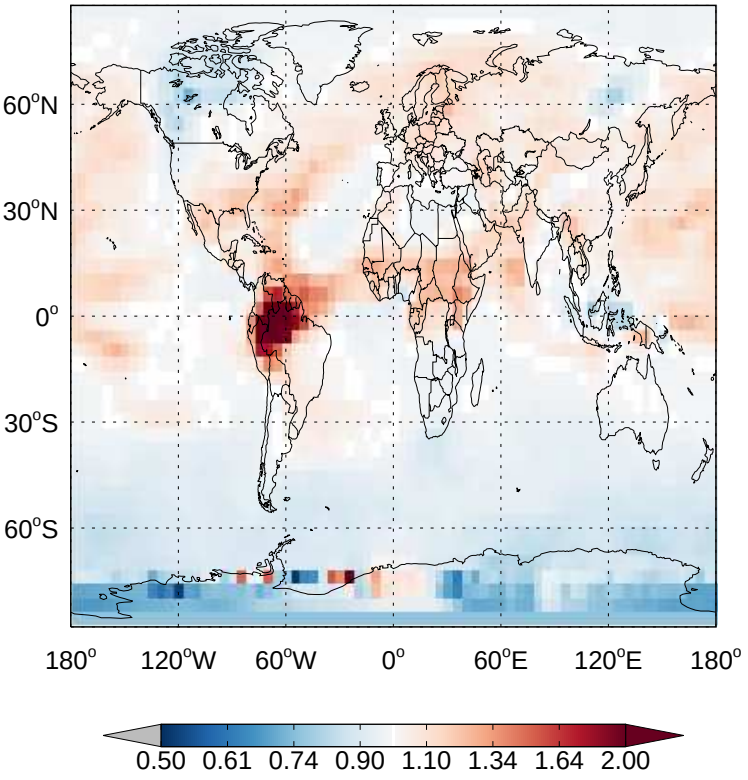
GC_12.0.0 / v11-02e-Run1

NO / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

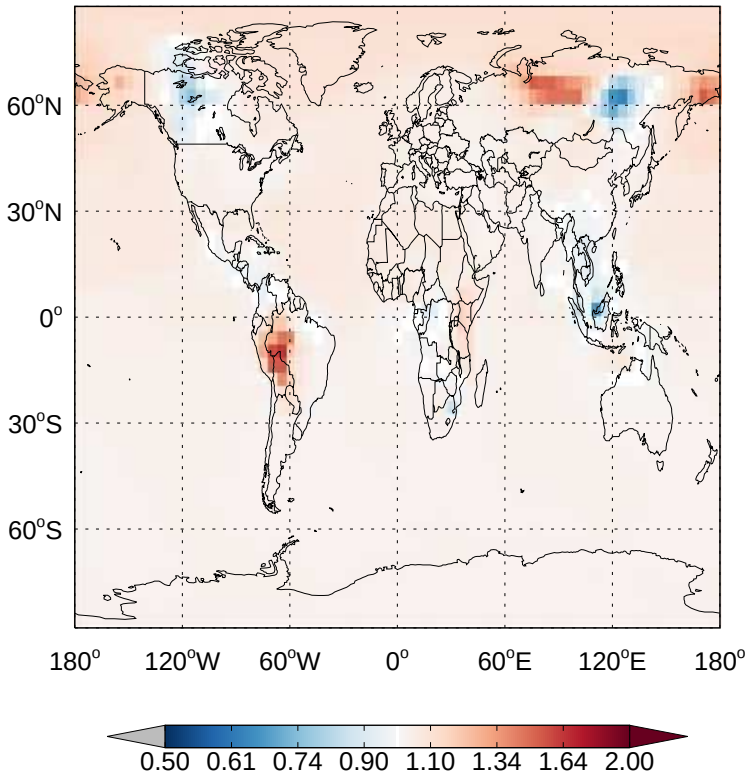
NO/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

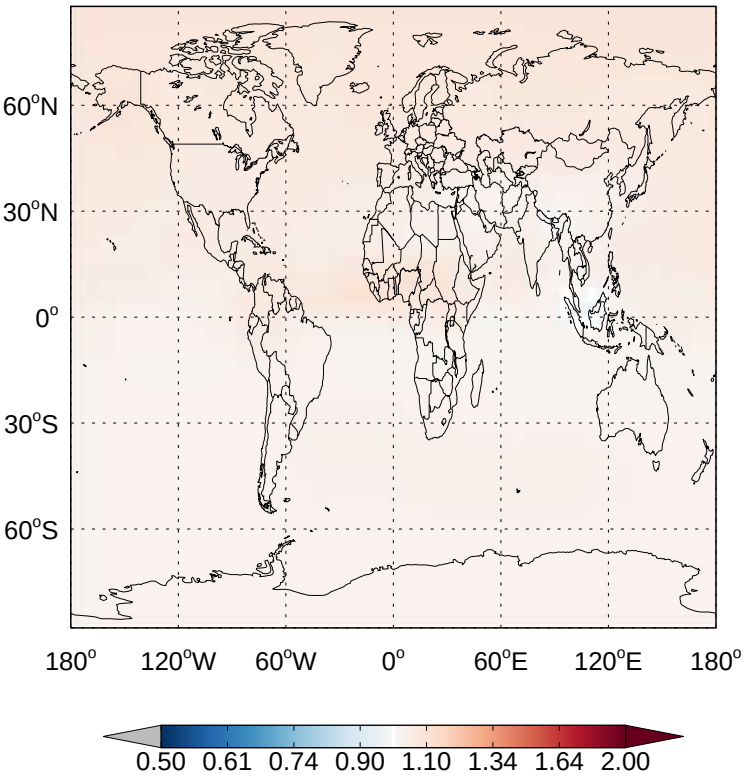
GC_12.0.0 / v11-02f-Run1

O3 / Ratio @ Surface for Jul



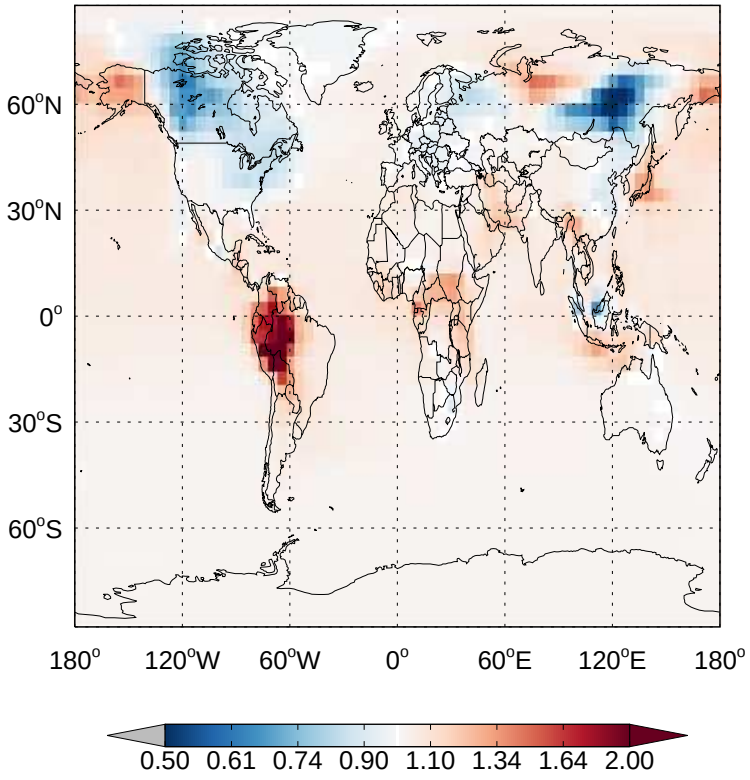
GC_12.0.0 / v11-02f-Run1

O3/ Ratio @ 500 hPa for Jul



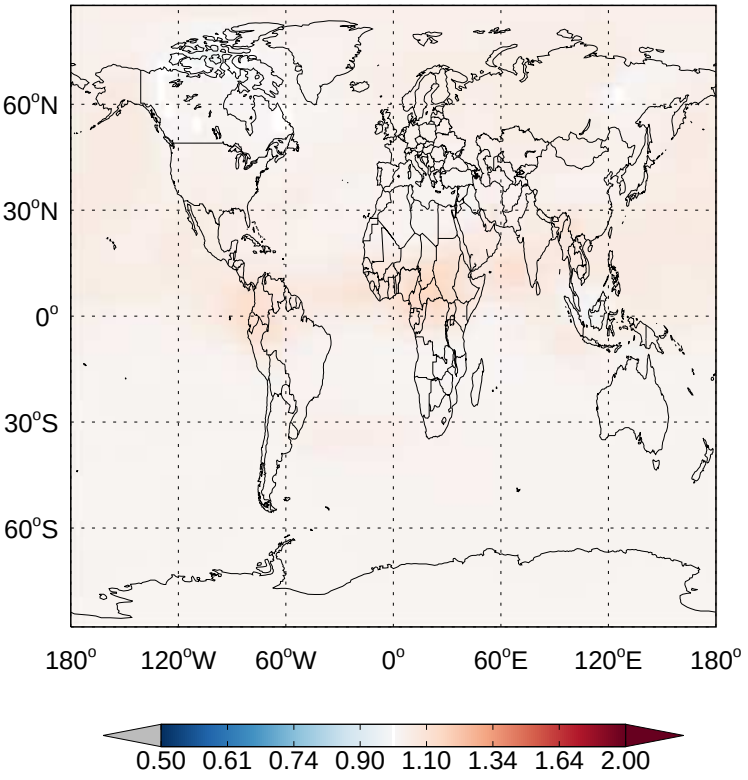
GC_12.0.0 / v11-02e-Run1

O3 / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

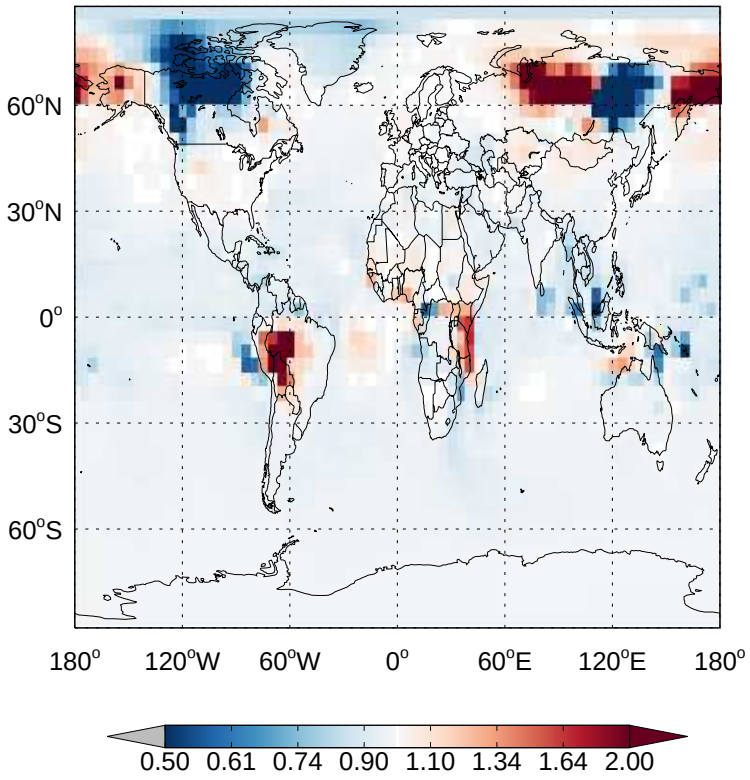
O3/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

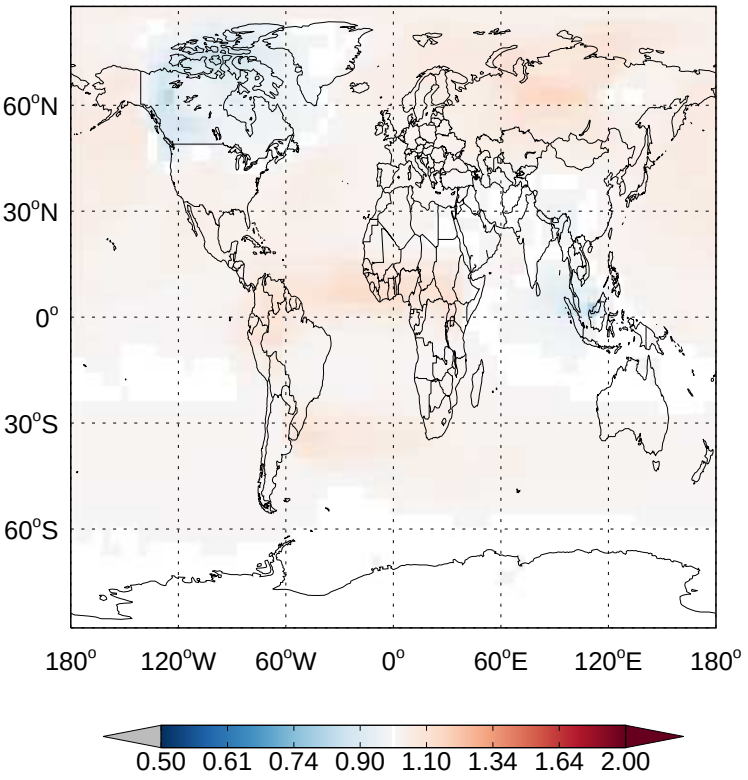
GC_12.0.0 / v11-02f-Run1

PAN / Ratio @ Surface for Jul



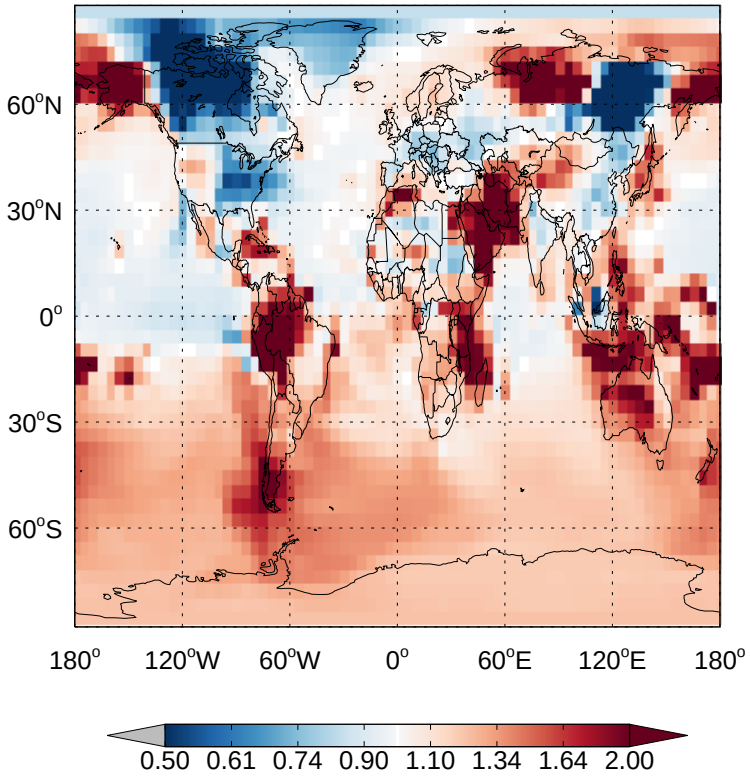
GC_12.0.0 / v11-02f-Run1

PAN/ Ratio @ 500 hPa for Jul



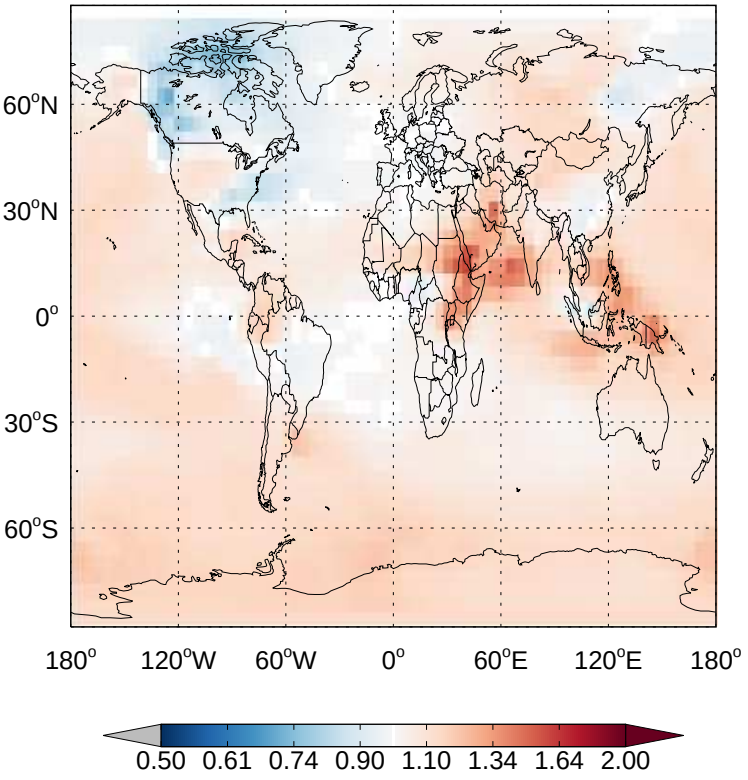
GC_12.0.0 / v11-02e-Run1

PAN / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

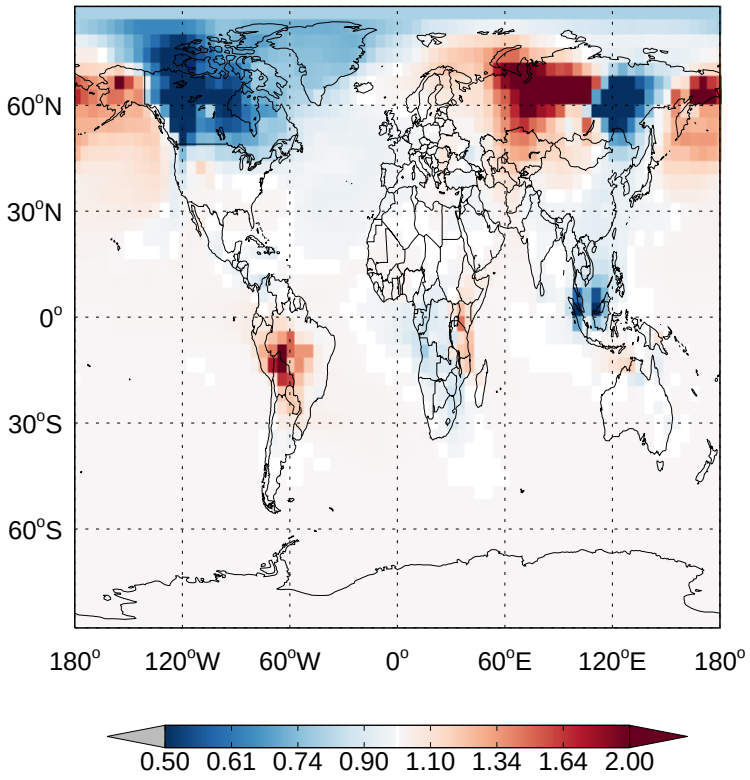
PAN/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

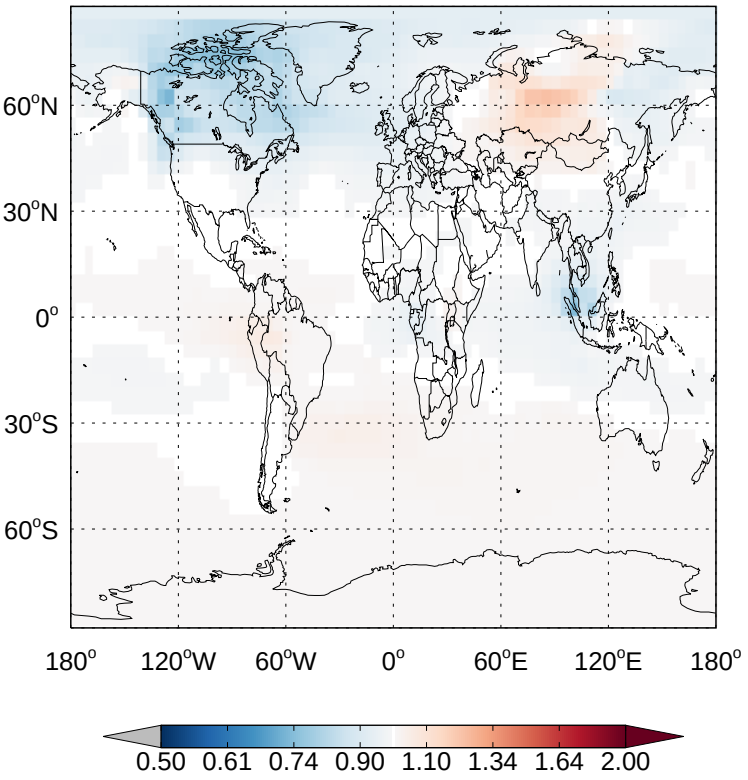
GC_12.0.0 / v11-02f-Run1

CO / Ratio @ Surface for Jul



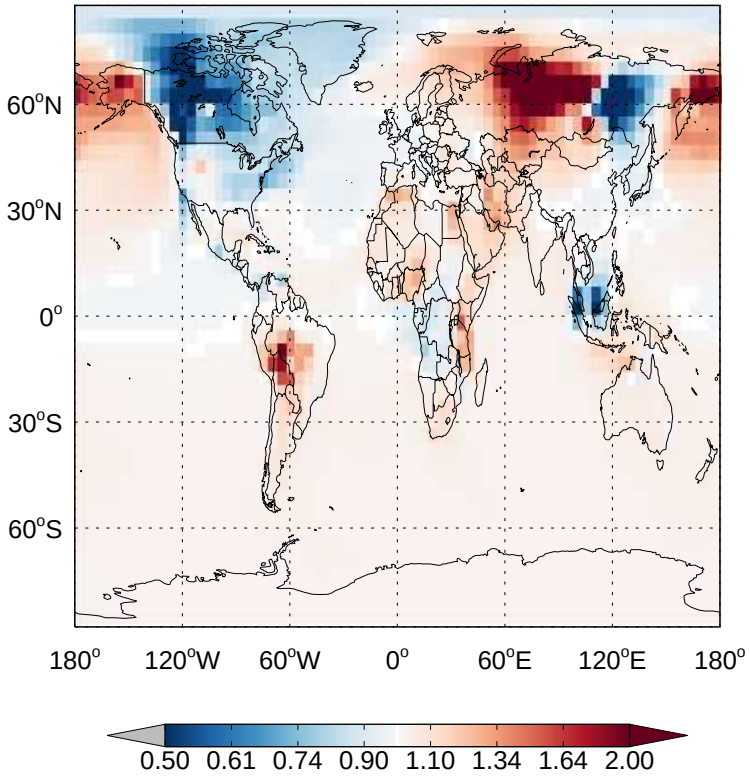
GC_12.0.0 / v11-02f-Run1

CO/ Ratio @ 500 hPa for Jul



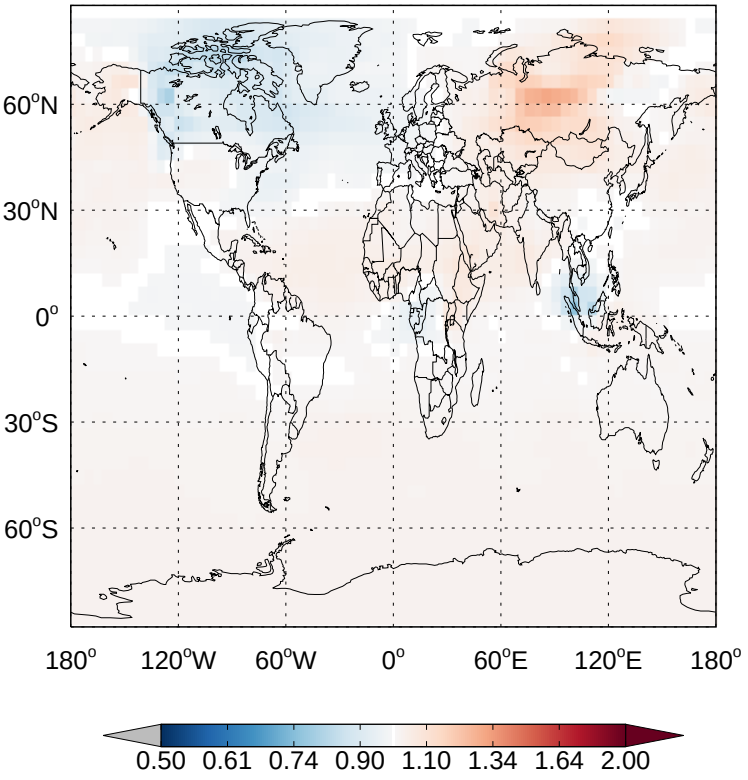
GC_12.0.0 / v11-02e-Run1

CO / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

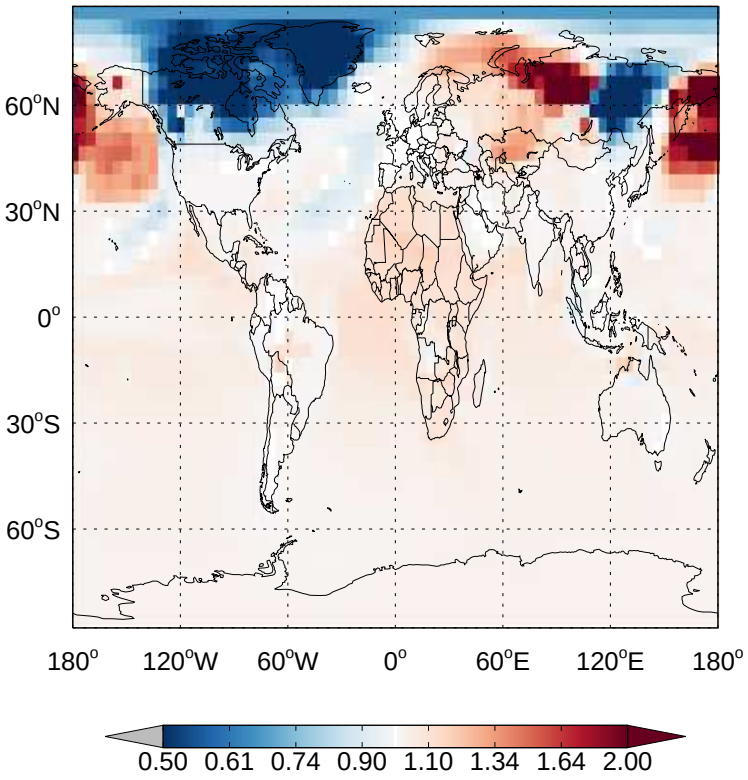
CO/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

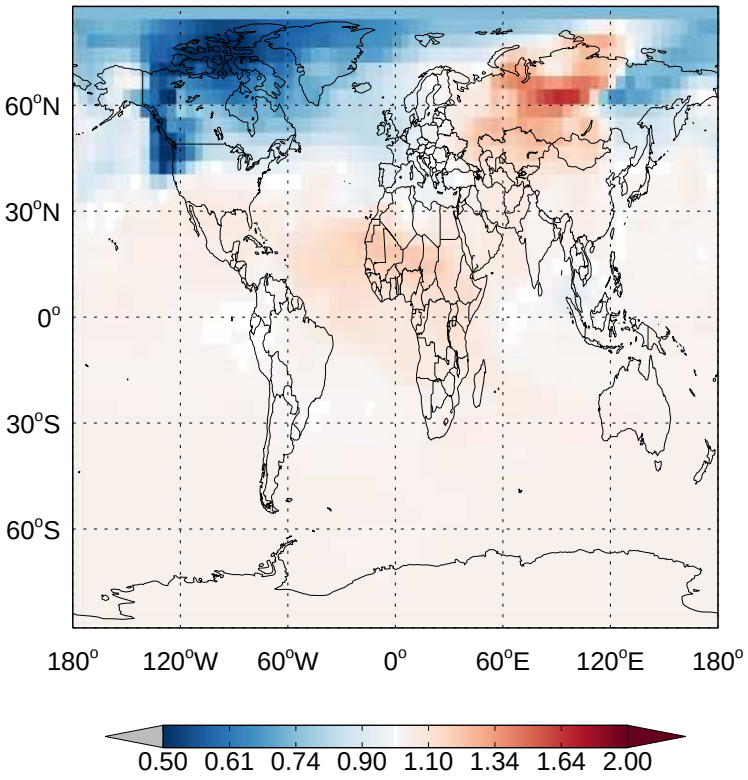
GC_12.0.0 / v11-02f-Run1

ALK4 / Ratio @ Surface for Jul



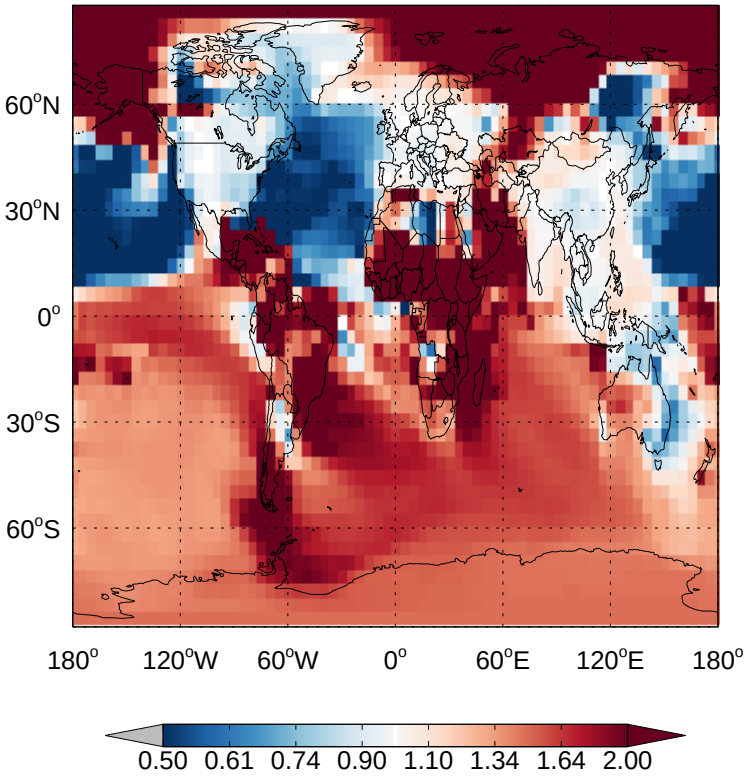
GC_12.0.0 / v11-02f-Run1

ALK4/ Ratio @ 500 hPa for Jul



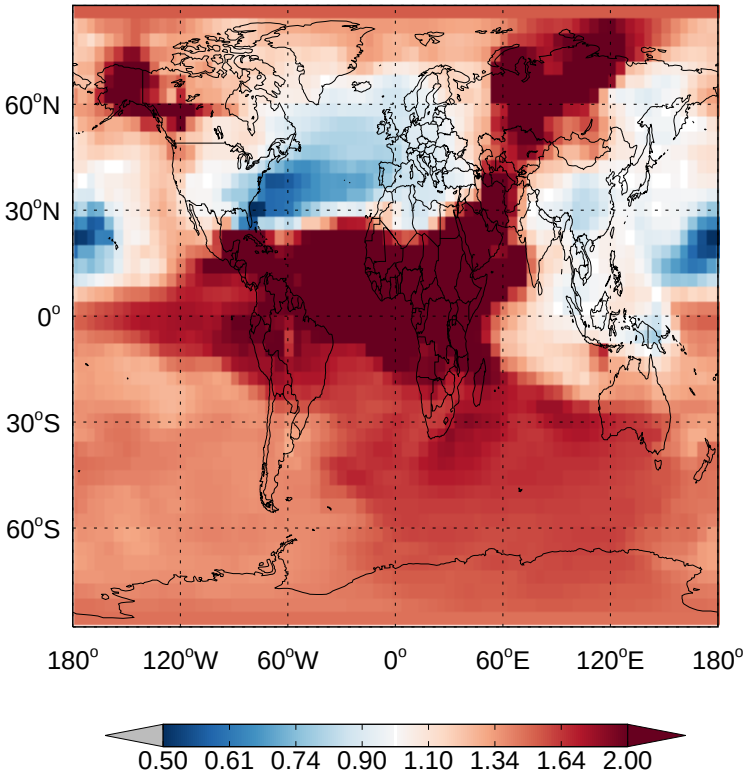
GC_12.0.0 / v11-02e-Run1

ALK4 / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

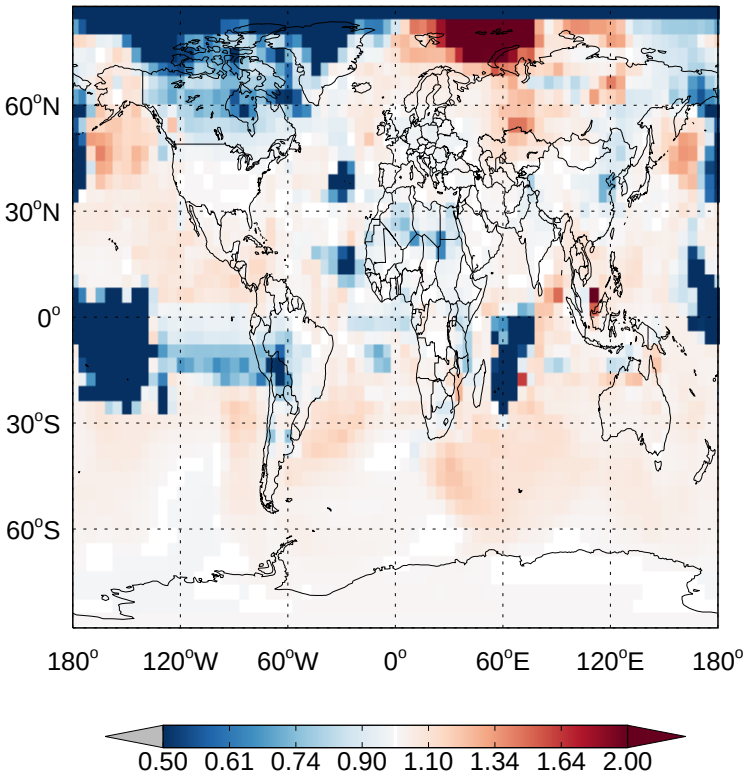
ALK4/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

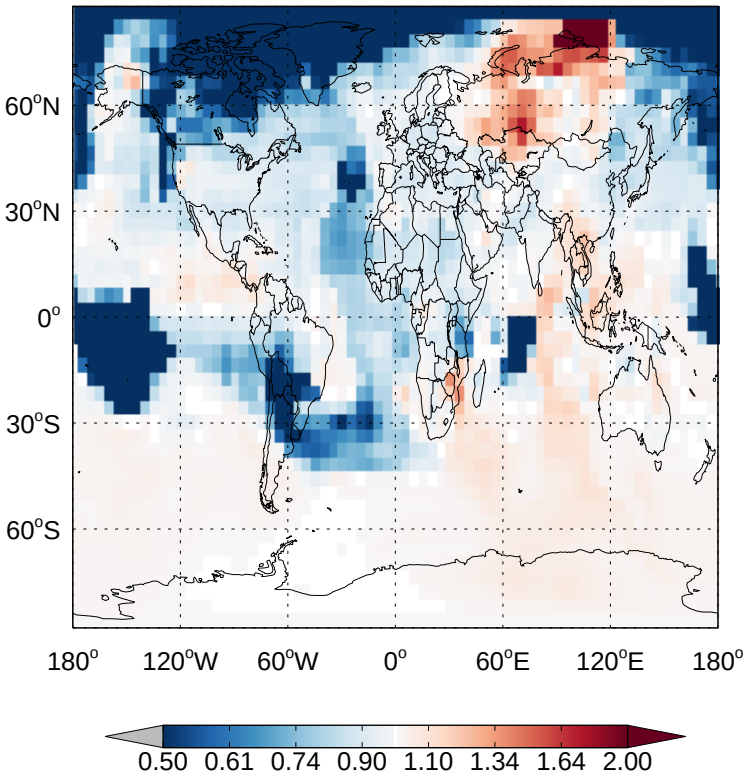
GC_12.0.0 / v11-02f-Run1

ISOP / Ratio @ Surface for Jul



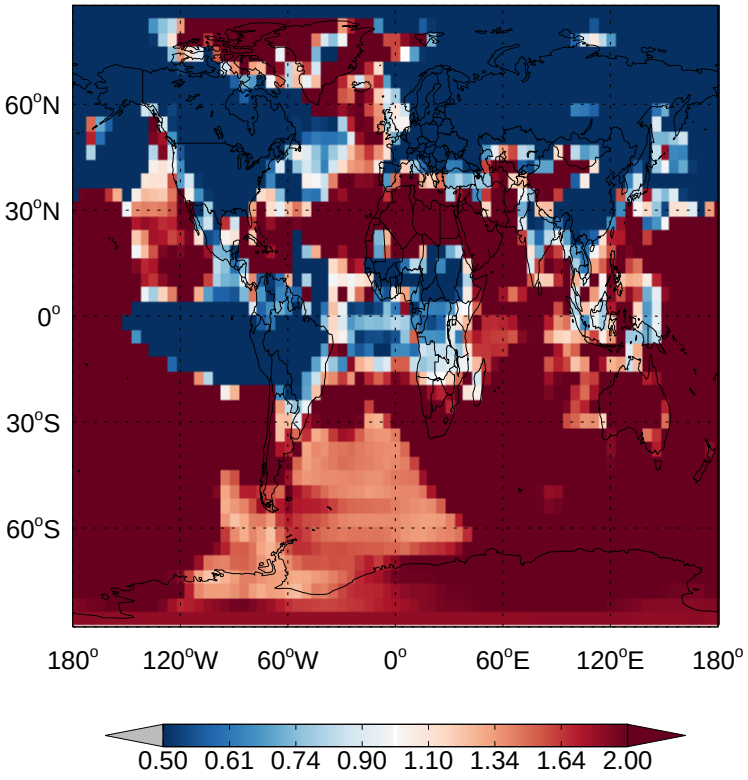
GC_12.0.0 / v11-02f-Run1

ISOP/ Ratio @ 500 hPa for Jul



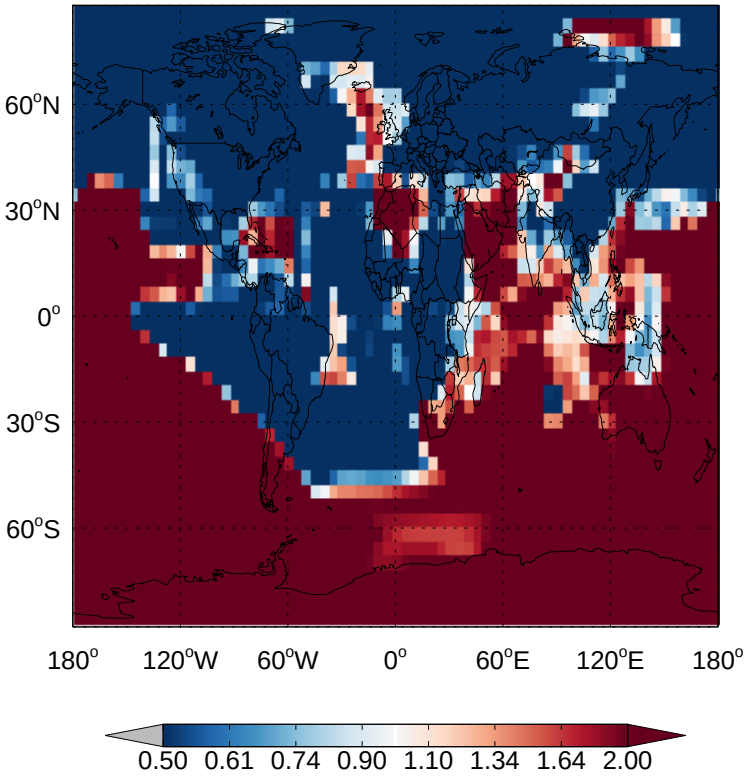
GC_12.0.0 / v11-02e-Run1

ISOP / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

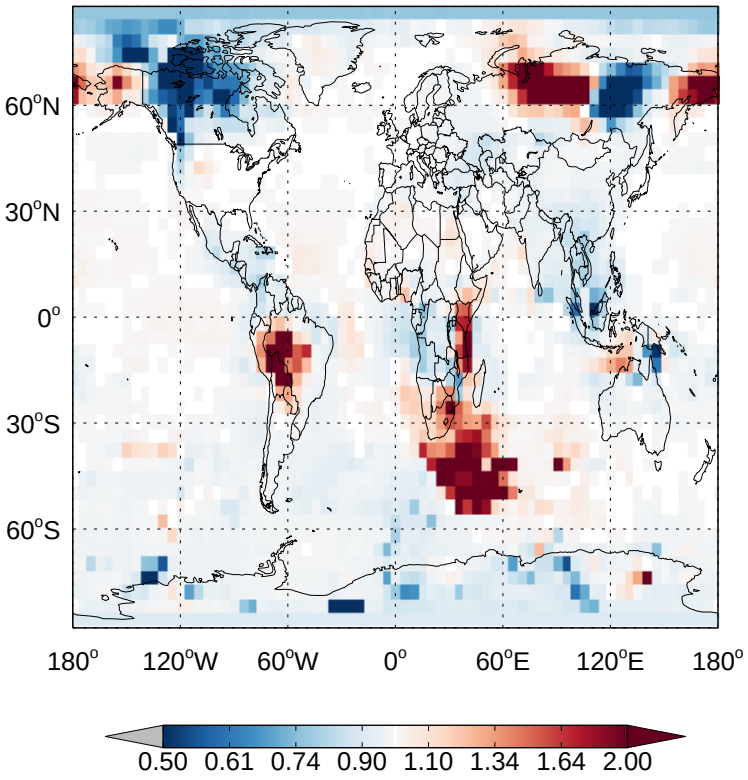
ISOP/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

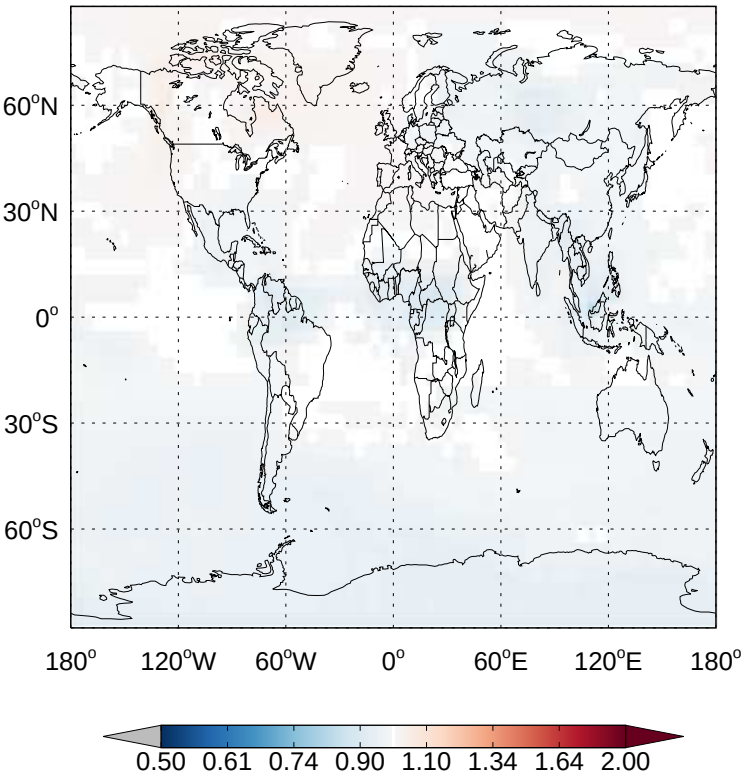
GC_12.0.0 / v11-02f-Run1

HNO3 / Ratio @ Surface for Jul



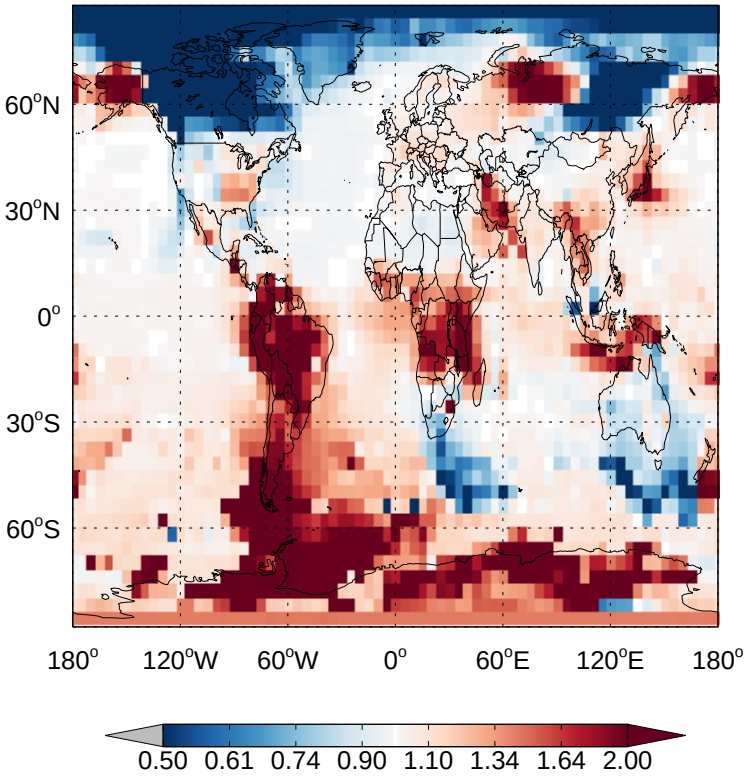
GC_12.0.0 / v11-02f-Run1

HNO3/ Ratio @ 500 hPa for Jul



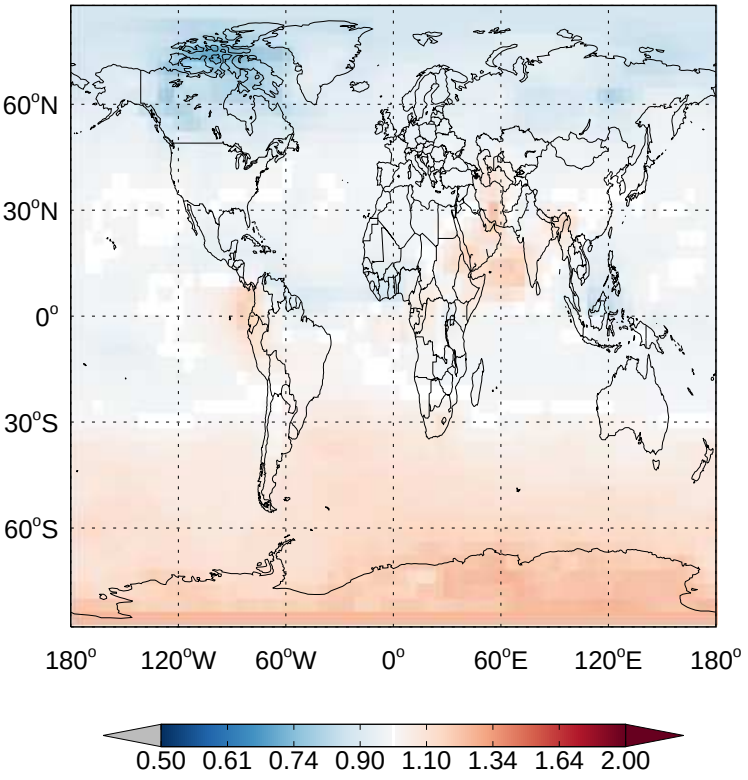
GC_12.0.0 / v11-02e-Run1

HNO3 / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

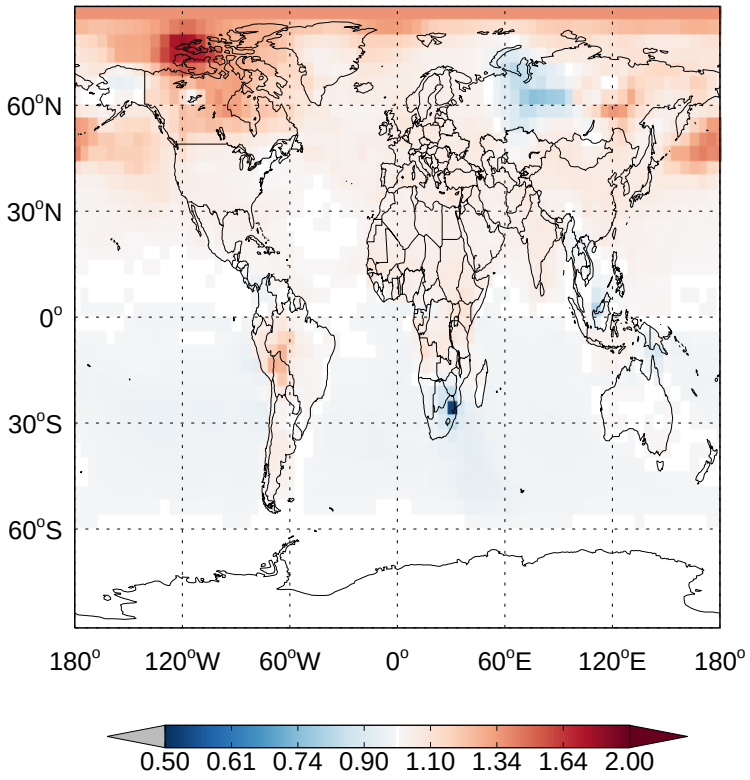
HNO3/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

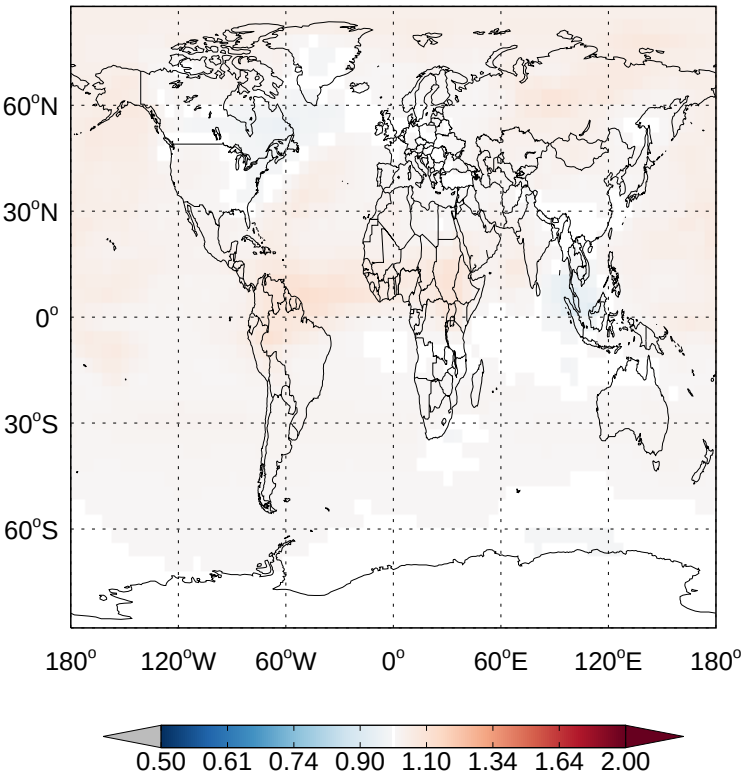
GC_12.0.0 / v11-02f-Run1

H2O2 / Ratio @ Surface for Jul



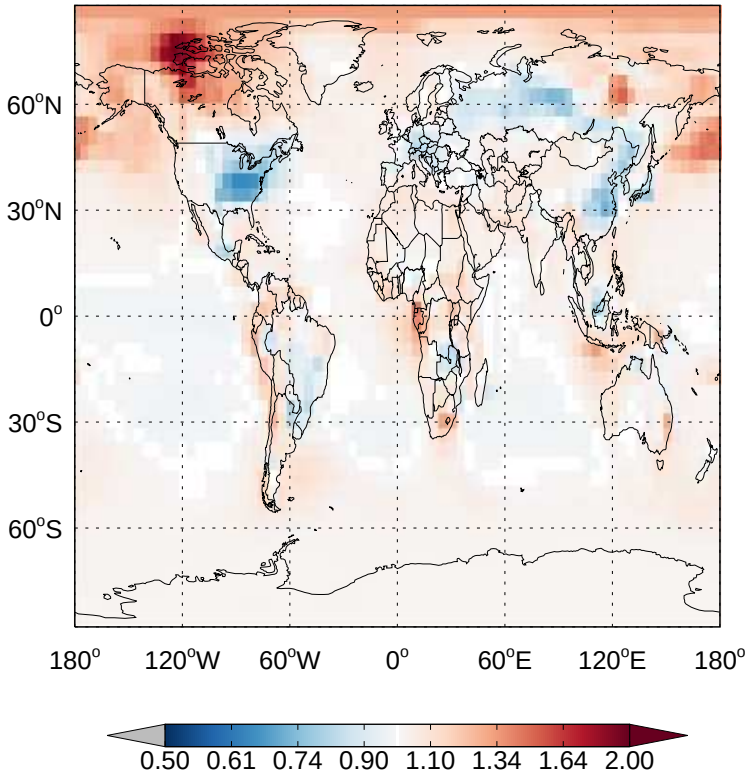
GC_12.0.0 / v11-02f-Run1

H2O2/ Ratio @ 500 hPa for Jul



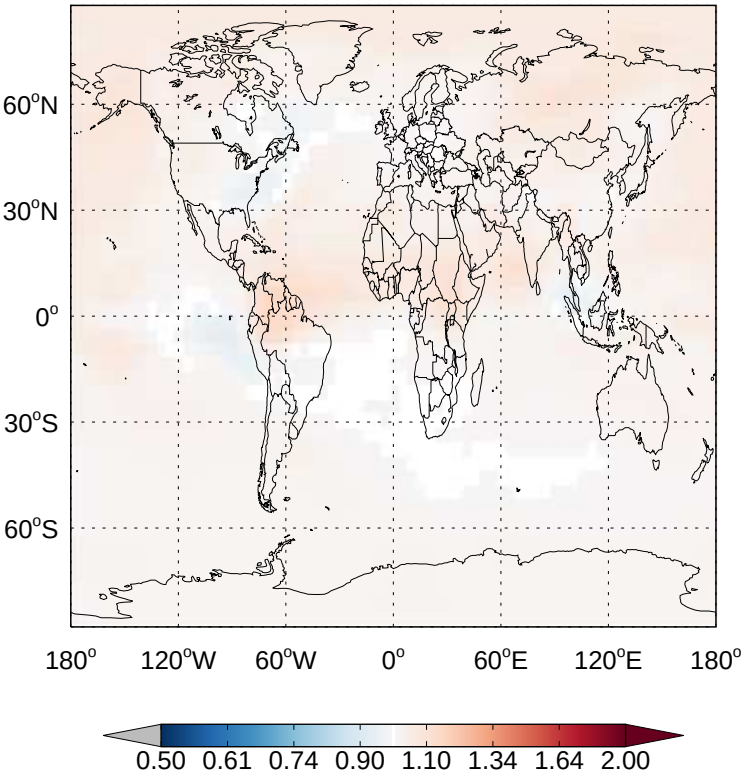
GC_12.0.0 / v11-02e-Run1

H2O2 / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

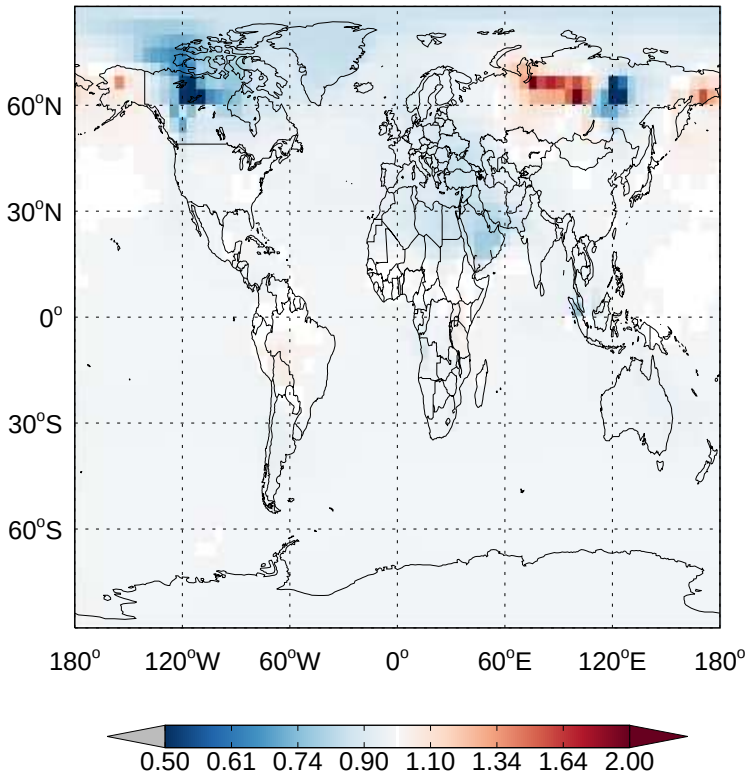
H2O2/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

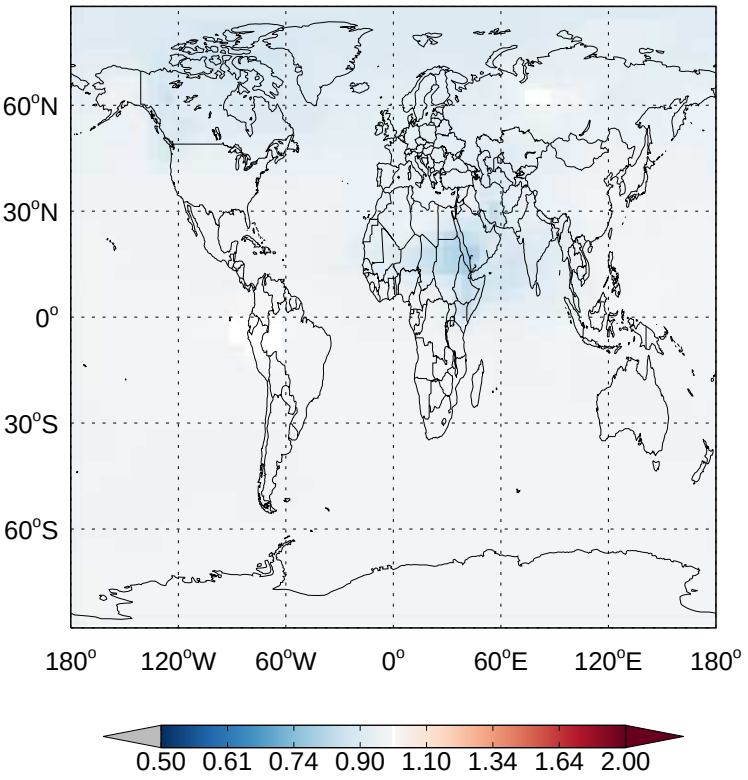
GC_12.0.0 / v11-02f-Run1

ACET / Ratio @ Surface for Jul



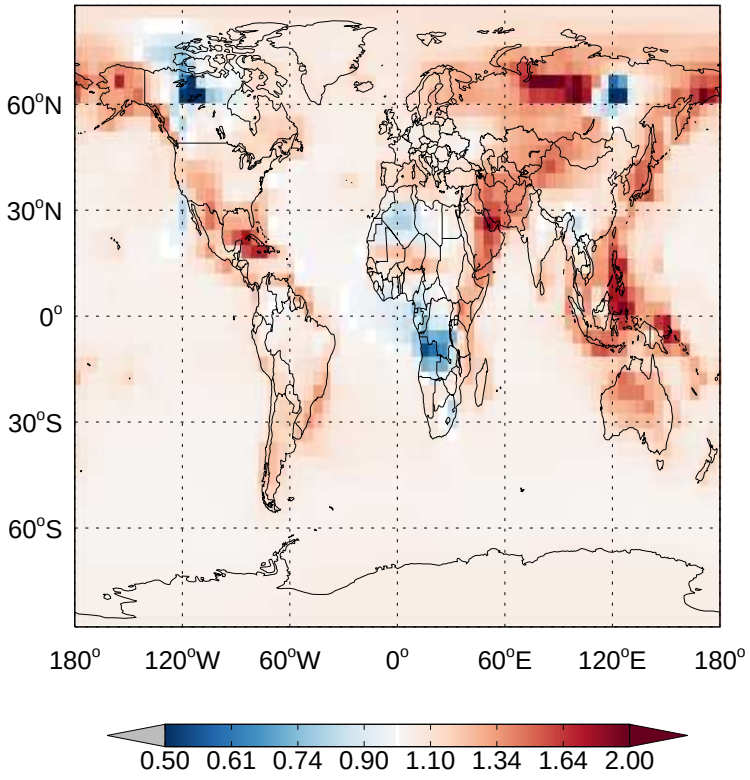
GC_12.0.0 / v11-02f-Run1

ACET/ Ratio @ 500 hPa for Jul



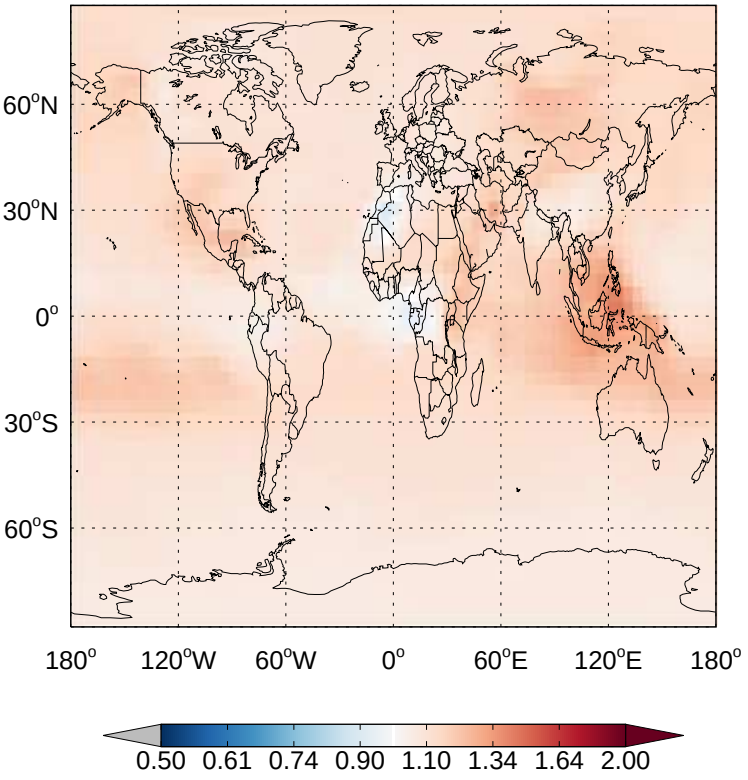
GC_12.0.0 / v11-02e-Run1

ACET / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

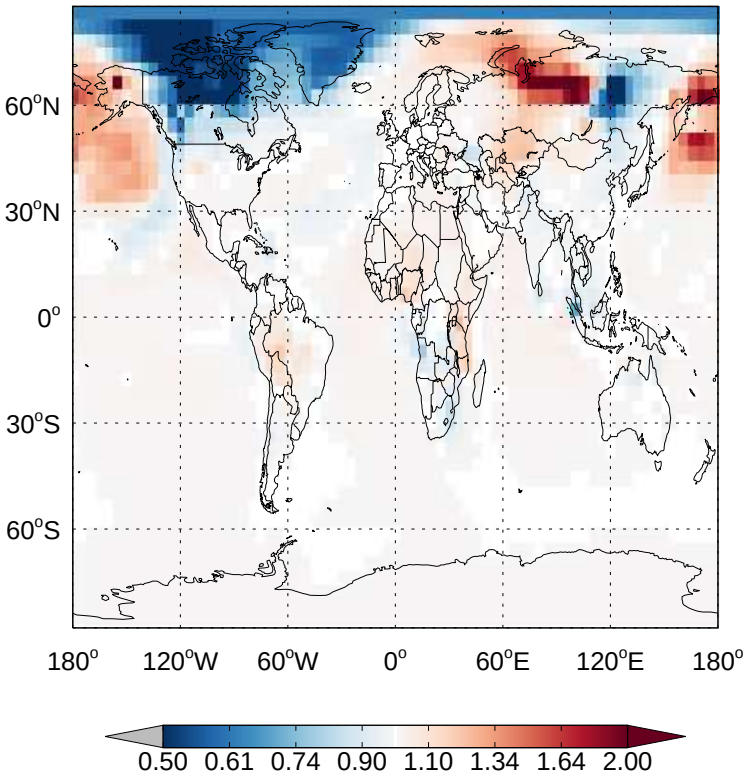
ACET/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

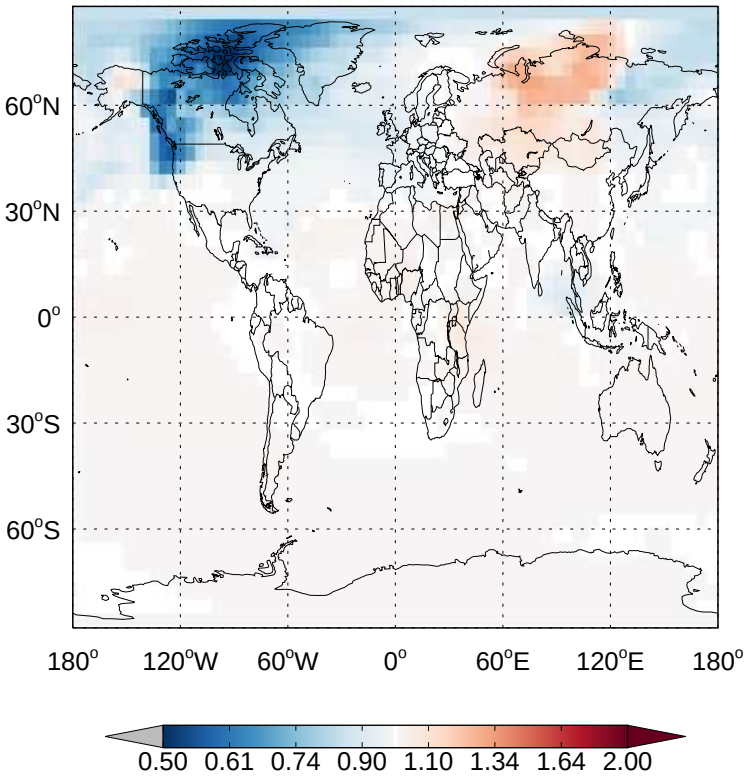
GC_12.0.0 / v11-02f-Run1

MEK / Ratio @ Surface for Jul



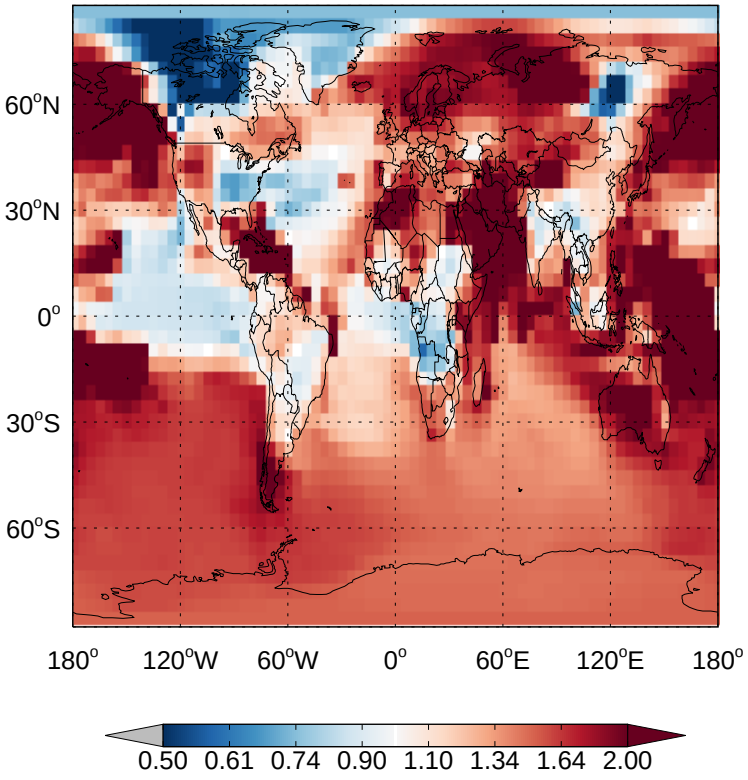
GC_12.0.0 / v11-02f-Run1

MEK/ Ratio @ 500 hPa for Jul



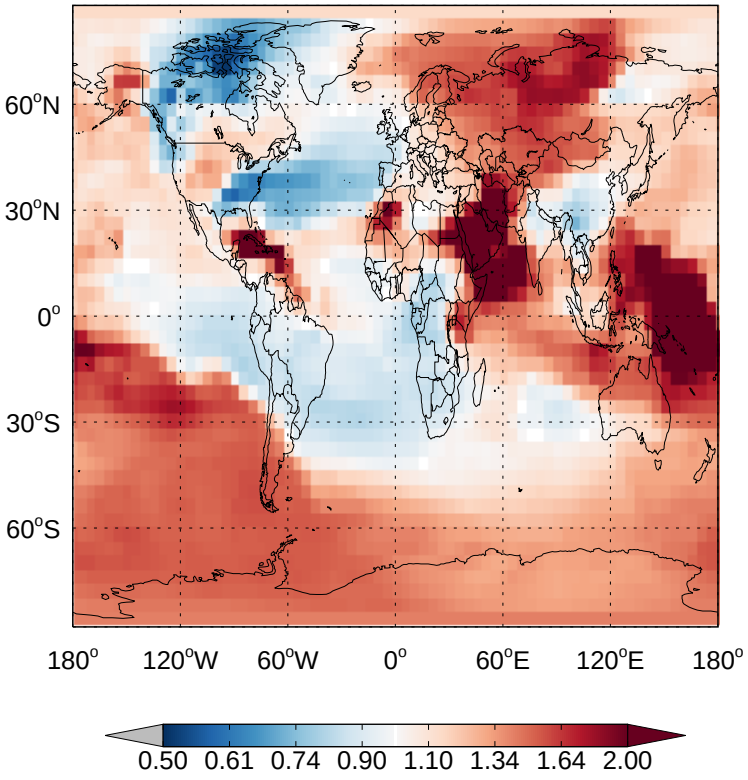
GC_12.0.0 / v11-02e-Run1

MEK / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

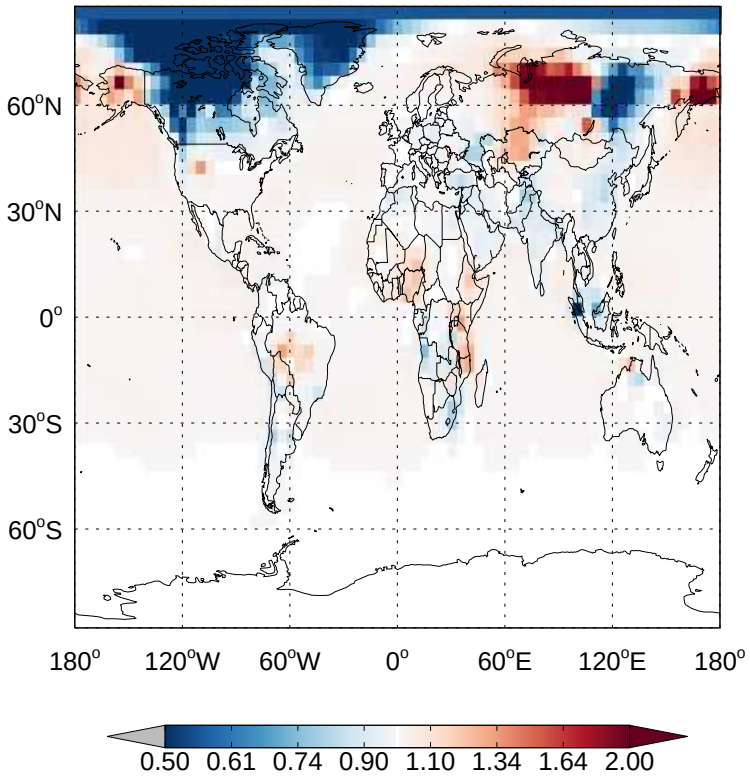
MEK/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

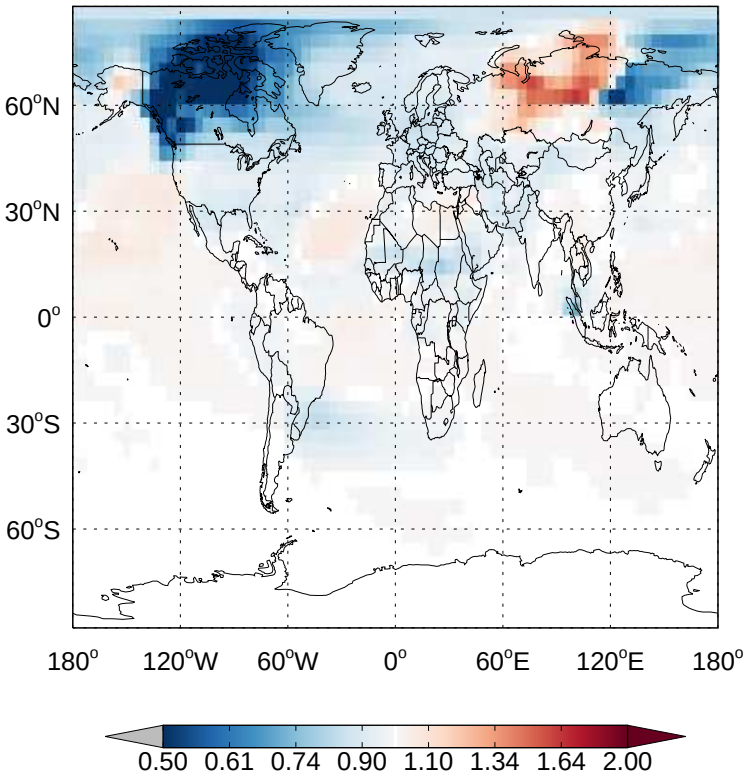
GC_12.0.0 / v11-02f-Run1

ALD2 / Ratio @ Surface for Jul



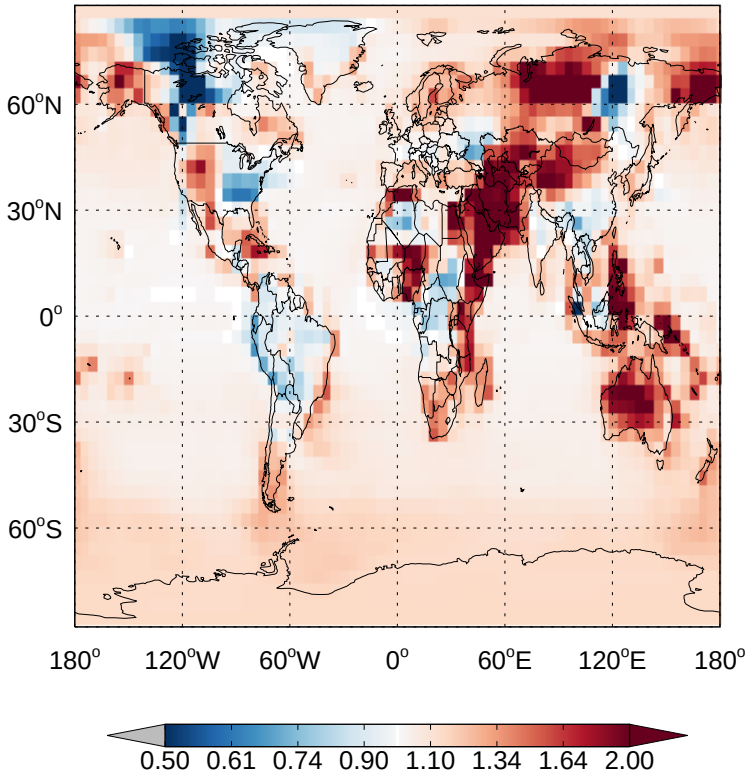
GC_12.0.0 / v11-02f-Run1

ALD2/ Ratio @ 500 hPa for Jul



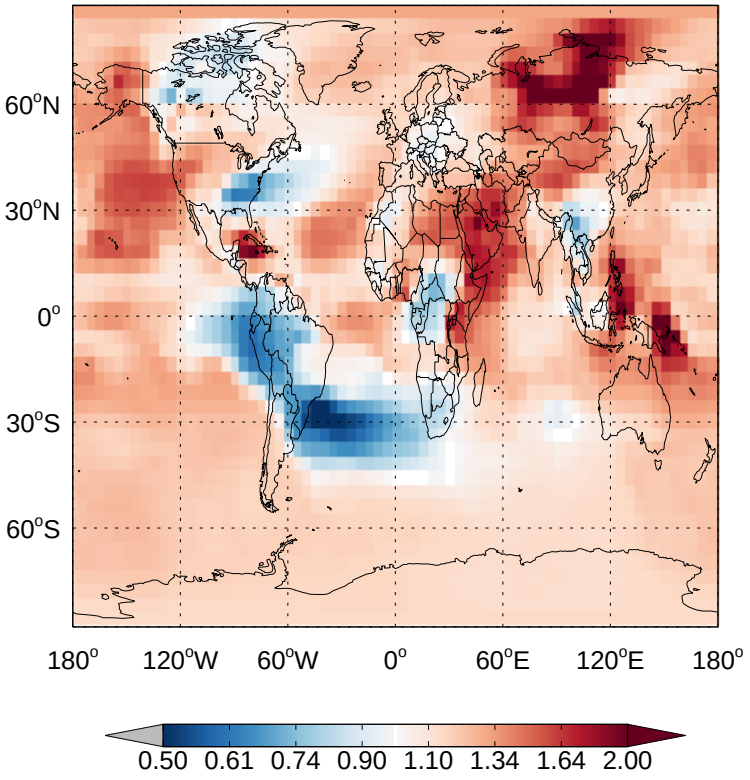
GC_12.0.0 / v11-02e-Run1

ALD2 / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

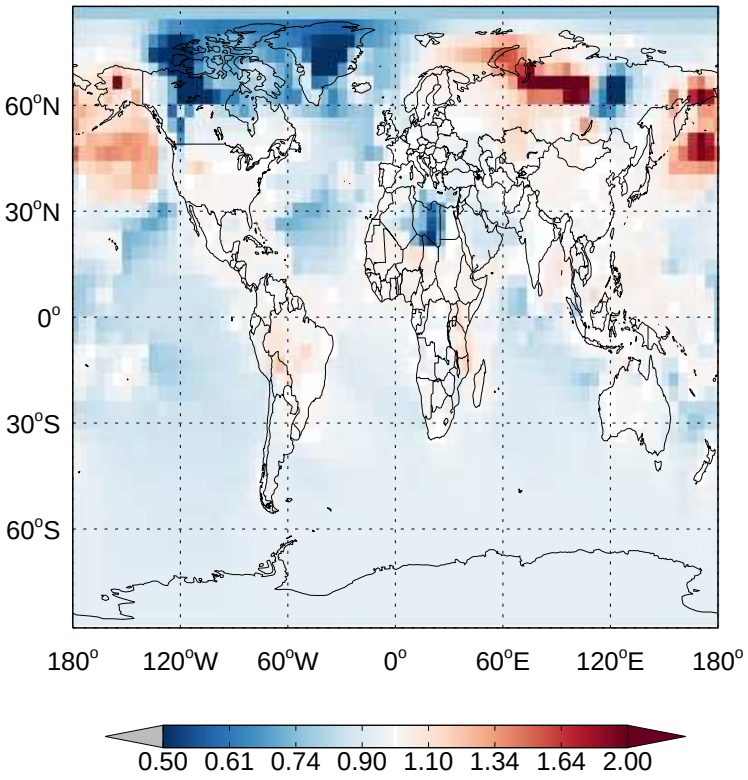
ALD2/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

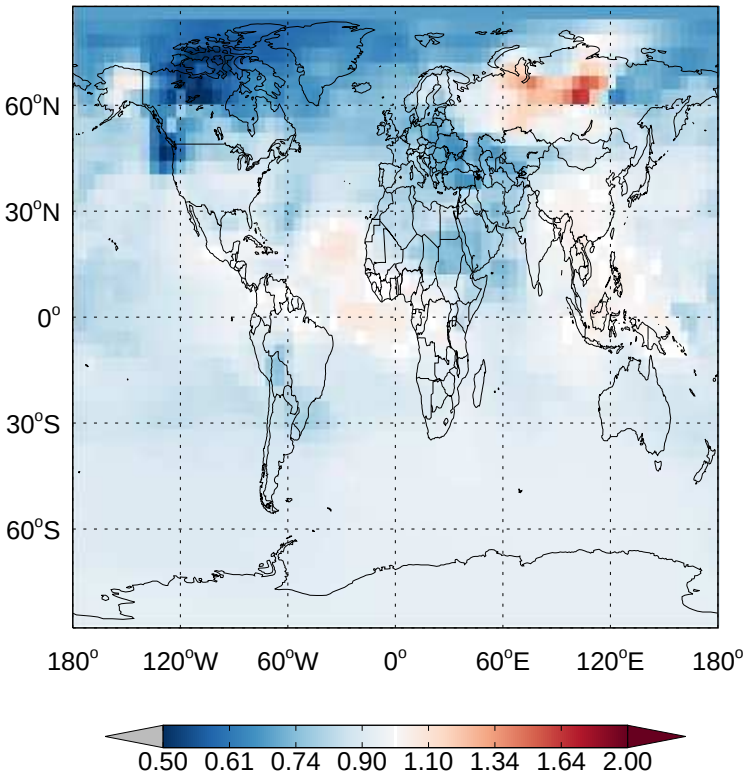
GC_12.0.0 / v11-02f-Run1

RCHO / Ratio @ Surface for Jul



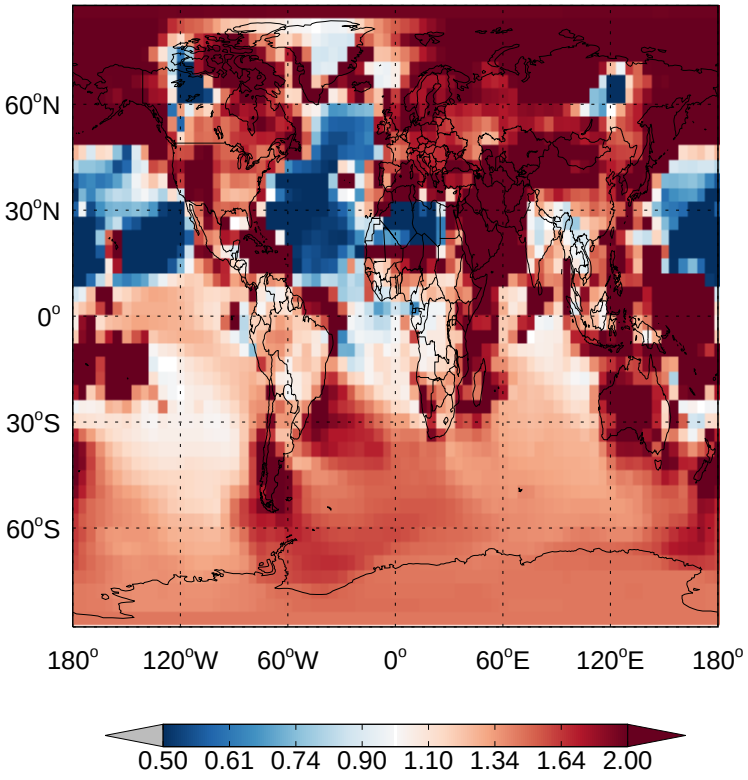
GC_12.0.0 / v11-02f-Run1

RCHO/ Ratio @ 500 hPa for Jul



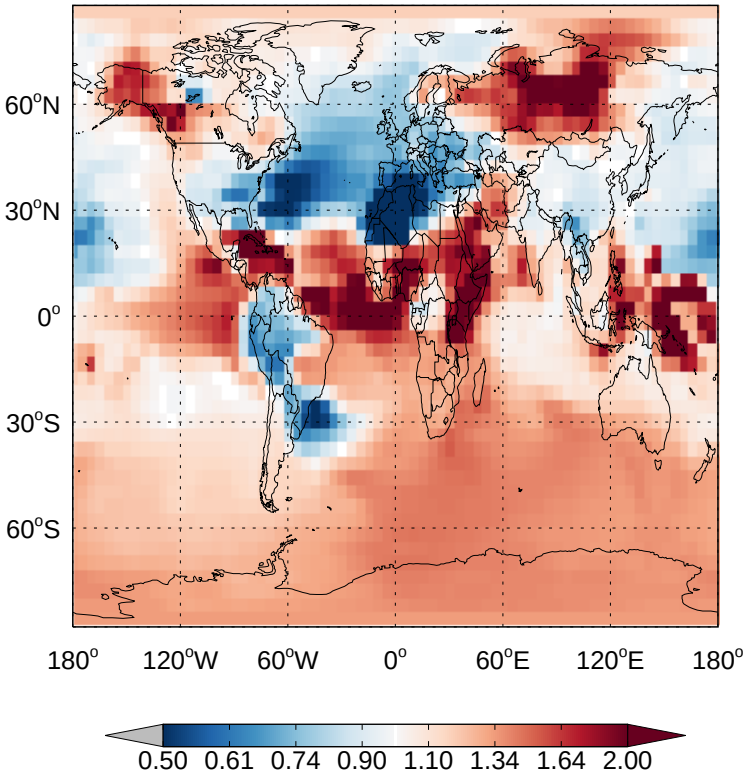
GC_12.0.0 / v11-02e-Run1

RCHO / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

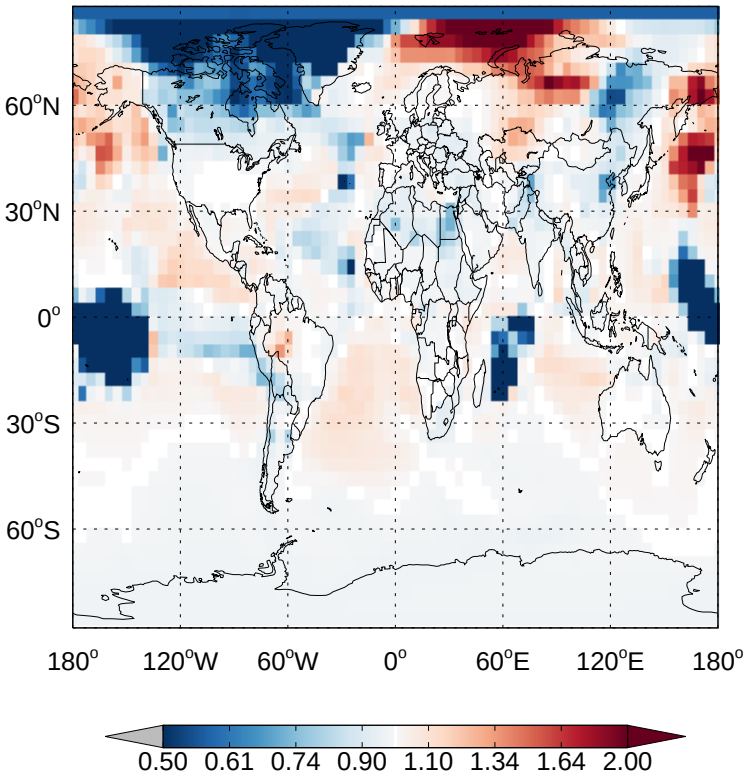
RCHO/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

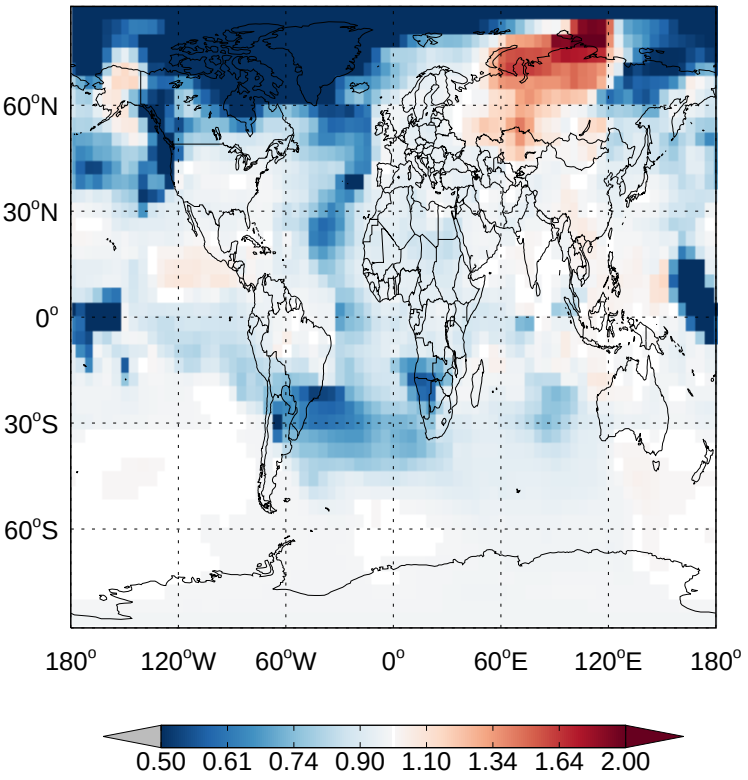
GC_12.0.0 / v11-02f-Run1

MVK / Ratio @ Surface for Jul



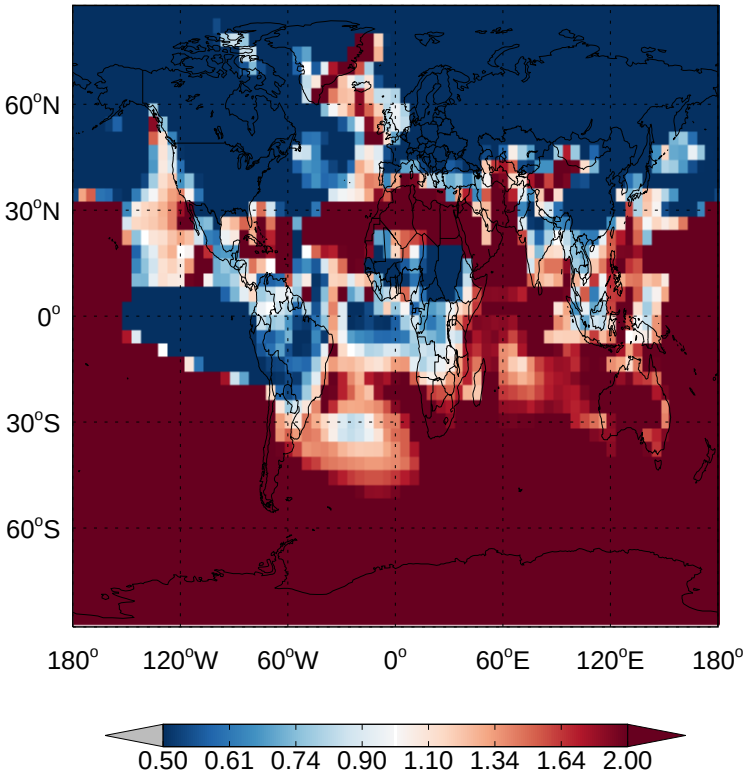
GC_12.0.0 / v11-02f-Run1

MVK/ Ratio @ 500 hPa for Jul



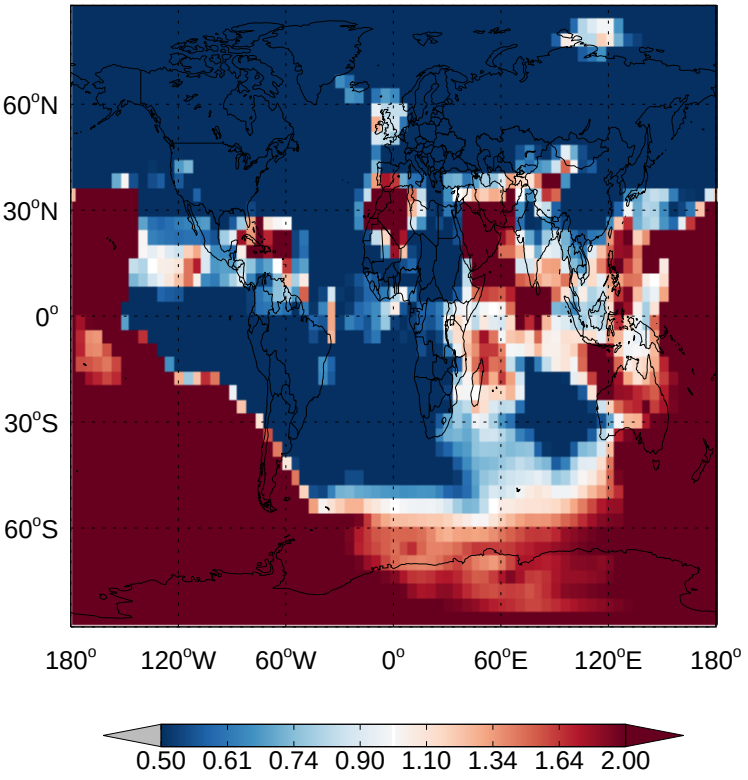
GC_12.0.0 / v11-02e-Run1

MVK / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

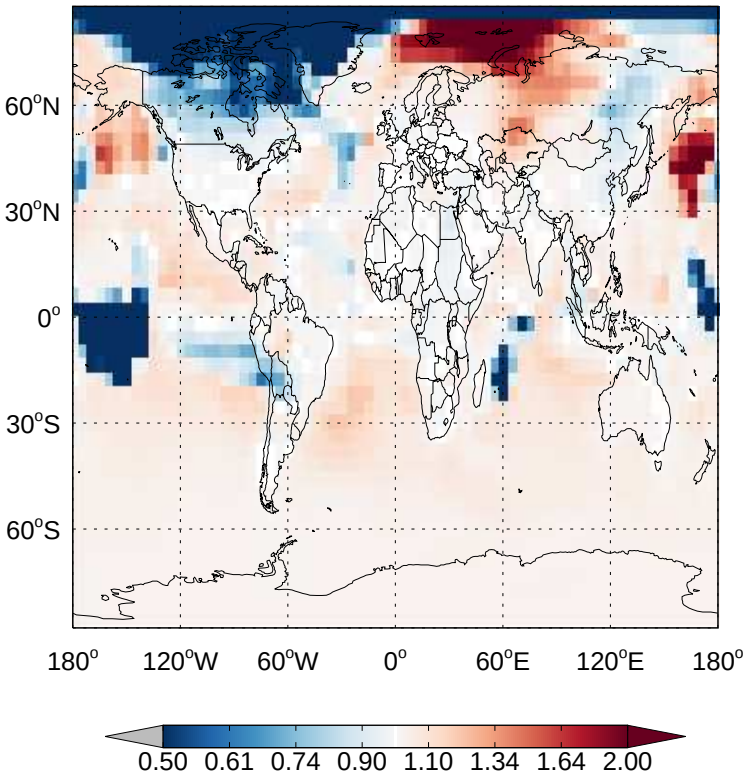
MVK/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

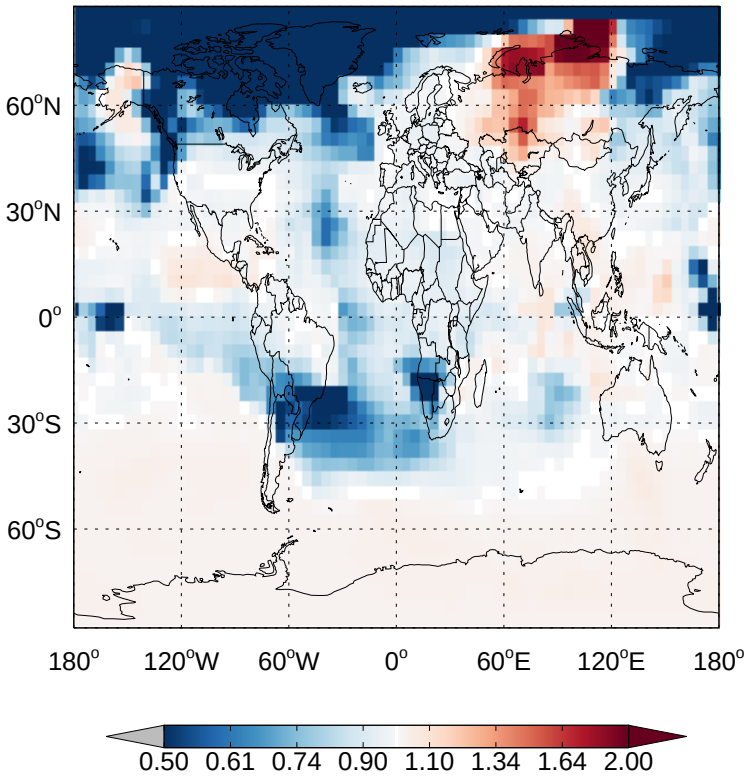
GC_12.0.0 / v11-02f-Run1

MACR / Ratio @ Surface for Jul



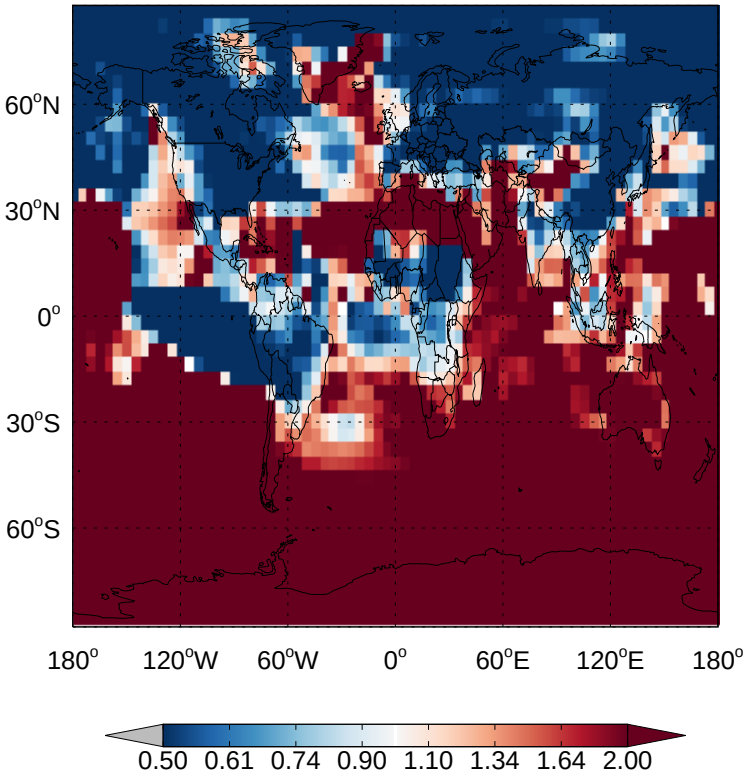
GC_12.0.0 / v11-02f-Run1

MACR/ Ratio @ 500 hPa for Jul



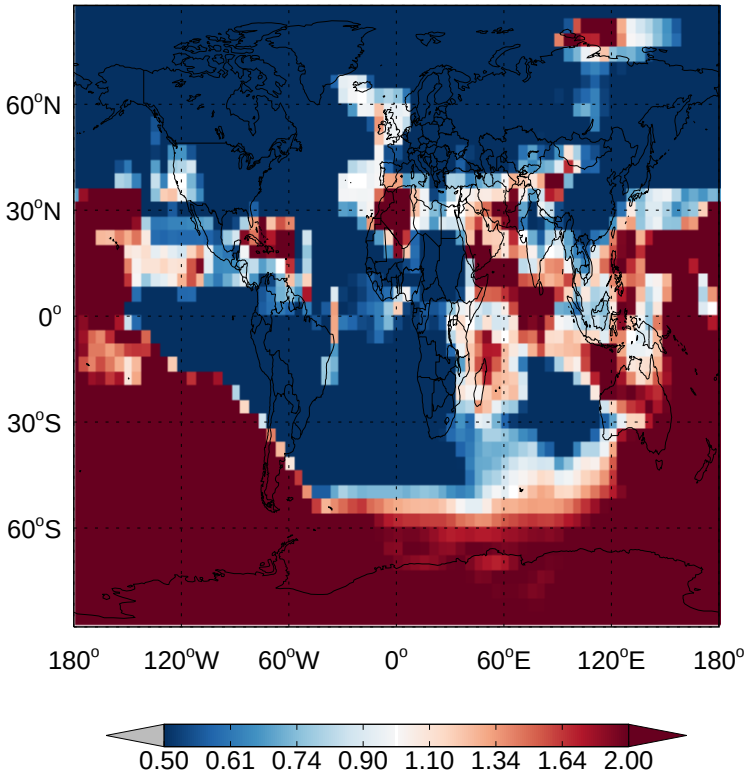
GC_12.0.0 / v11-02e-Run1

MACR / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

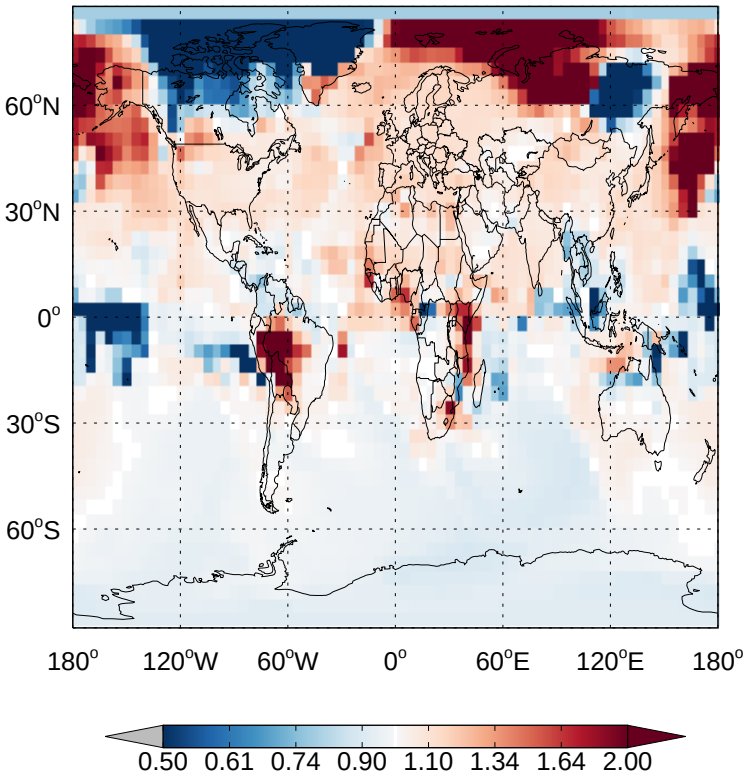
MACR/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

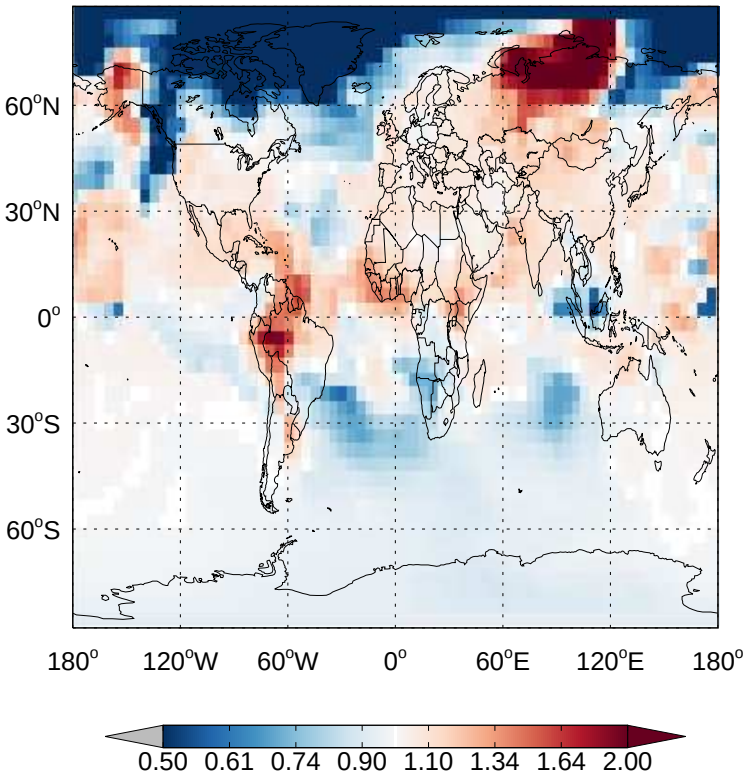
GC_12.0.0 / v11-02f-Run1

NPMN / Ratio @ Surface for Jul



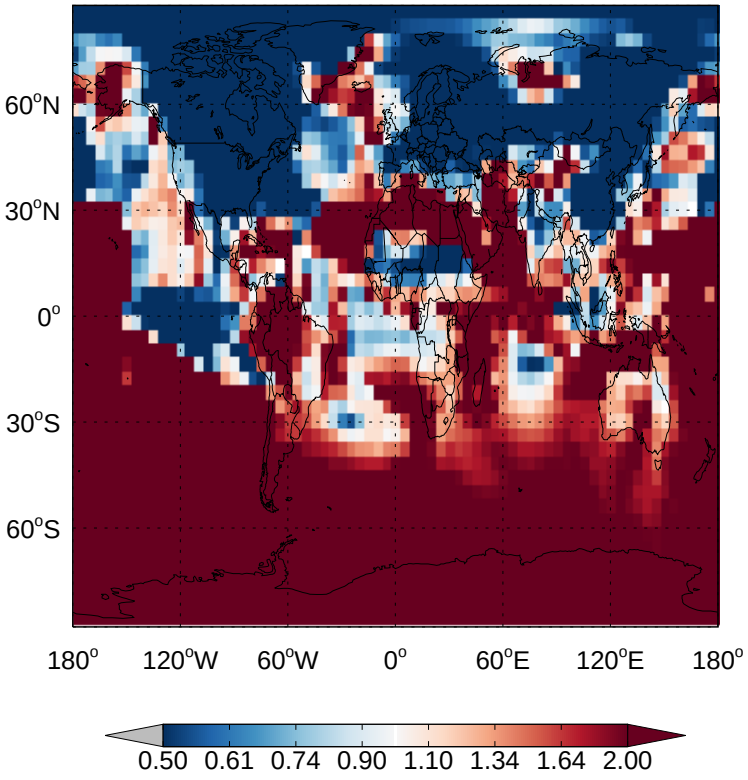
GC_12.0.0 / v11-02f-Run1

NPMN/ Ratio @ 500 hPa for Jul



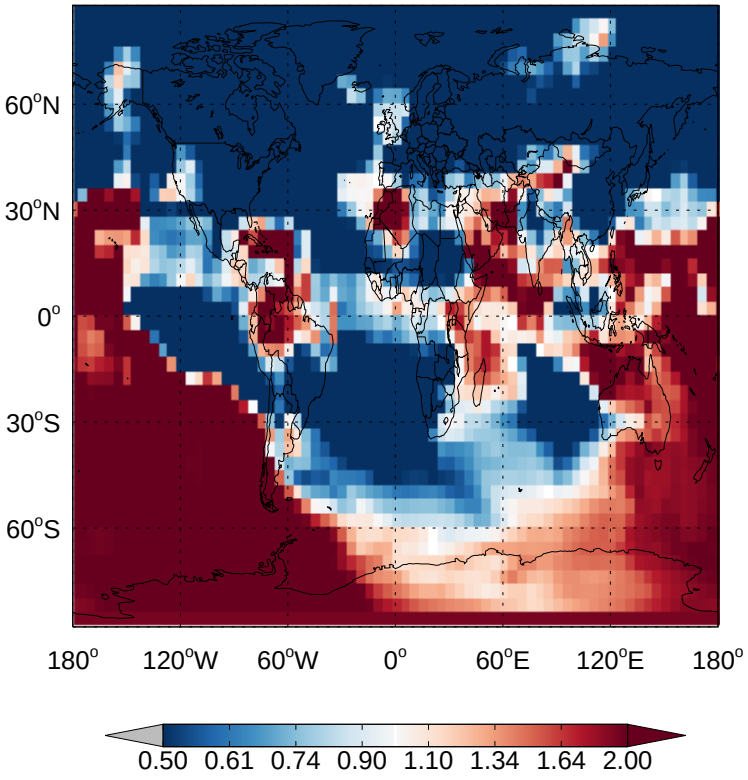
GC_12.0.0 / v11-02e-Run1

NPMN / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

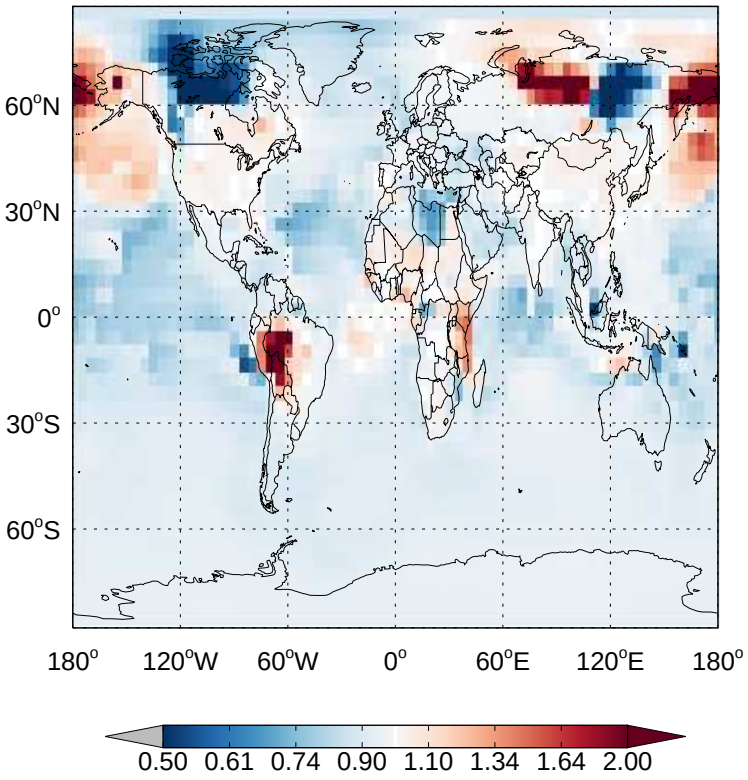
NPMN/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

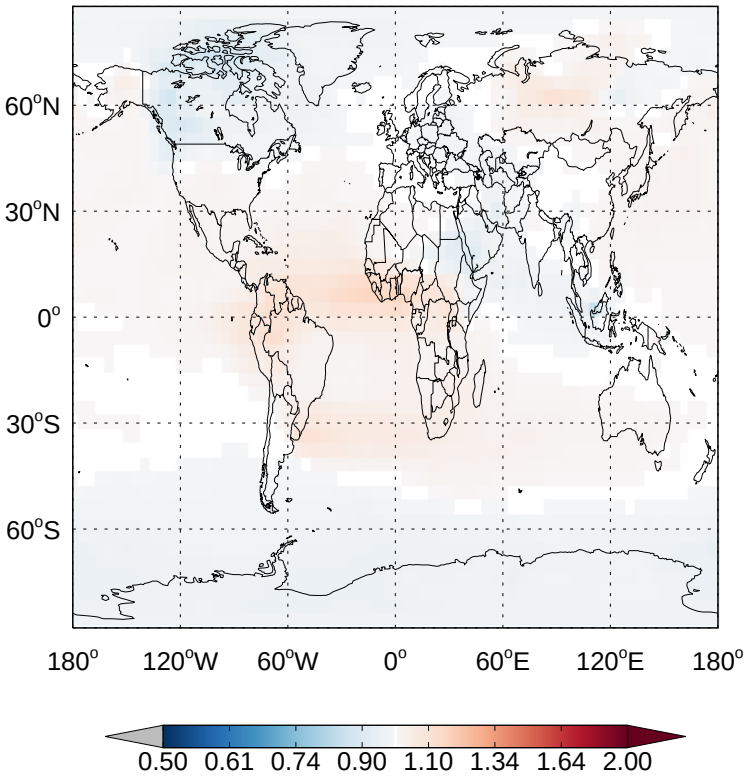
GC_12.0.0 / v11-02f-Run1

PPN / Ratio @ Surface for Jul



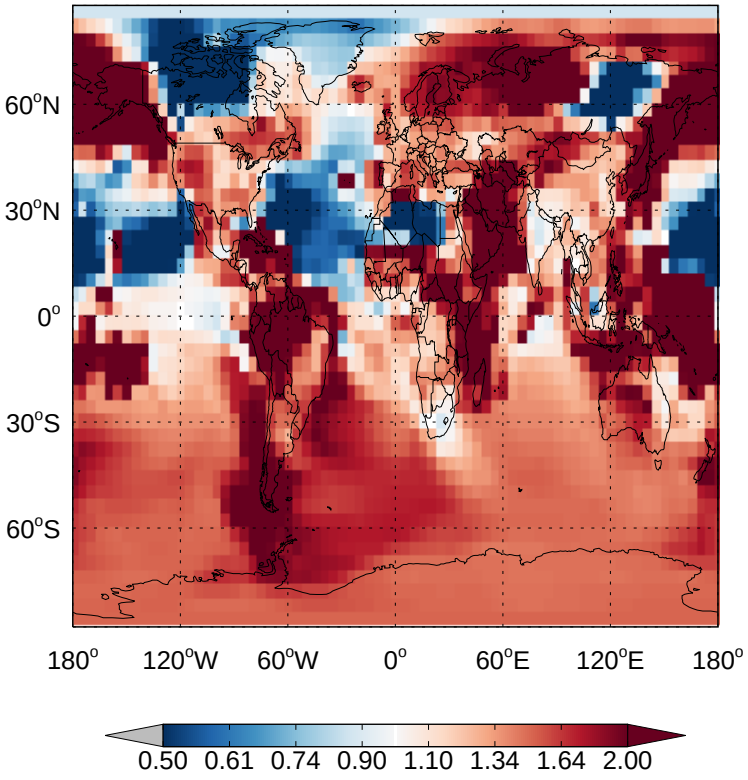
GC_12.0.0 / v11-02f-Run1

PPN/ Ratio @ 500 hPa for Jul



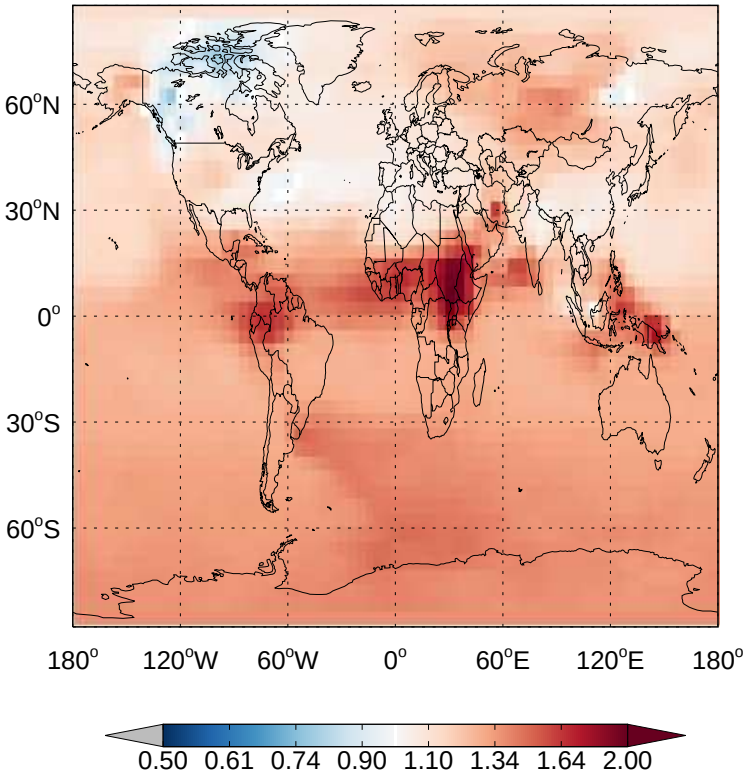
GC_12.0.0 / v11-02e-Run1

PPN / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

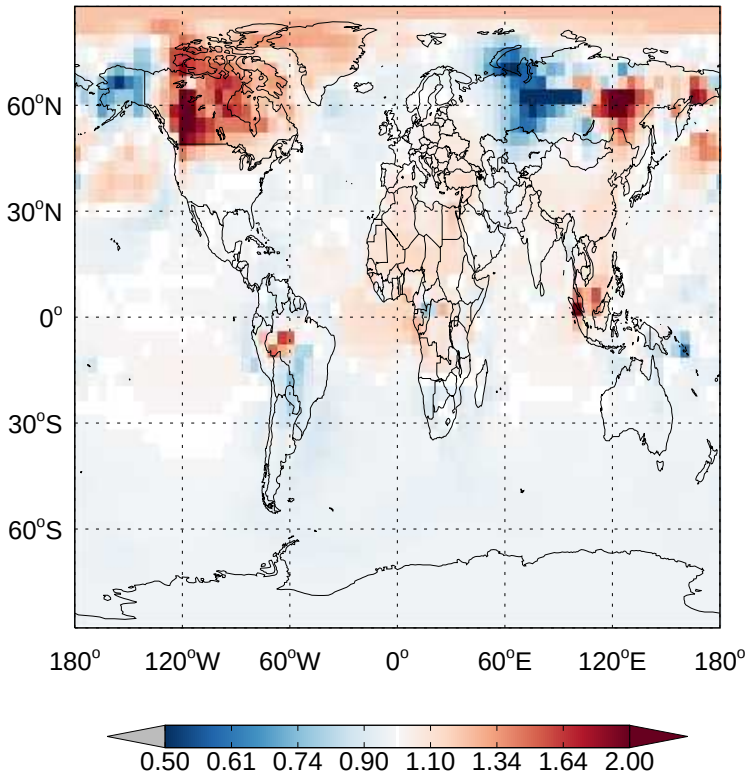
PPN/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

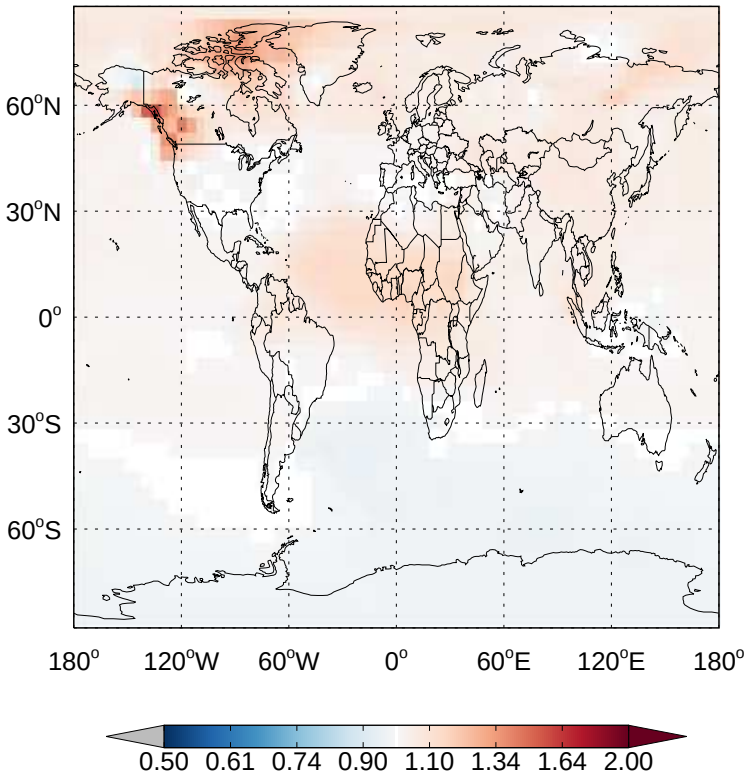
GC_12.0.0 / v11-02f-Run1

R4N2 / Ratio @ Surface for Jul



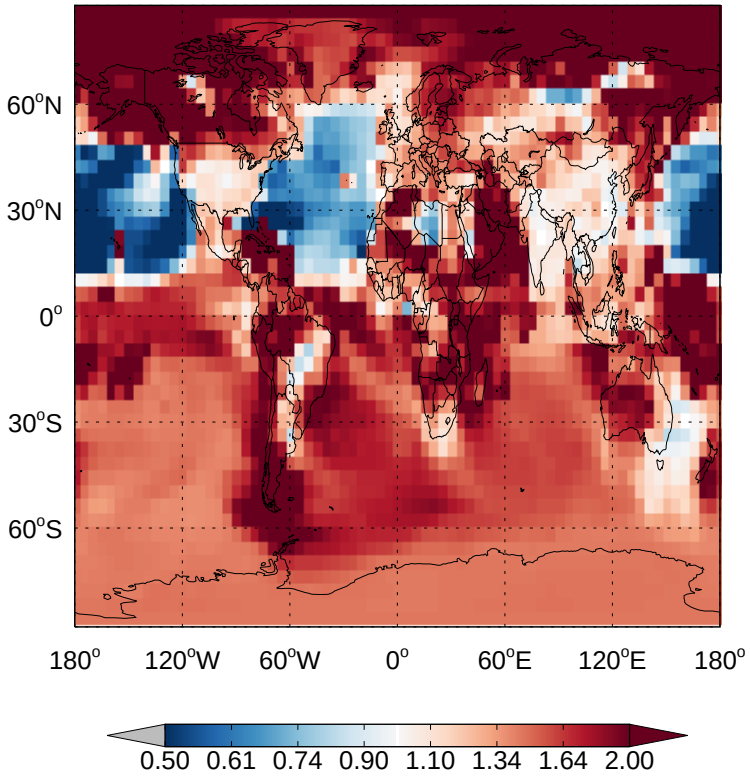
GC_12.0.0 / v11-02f-Run1

R4N2/ Ratio @ 500 hPa for Jul



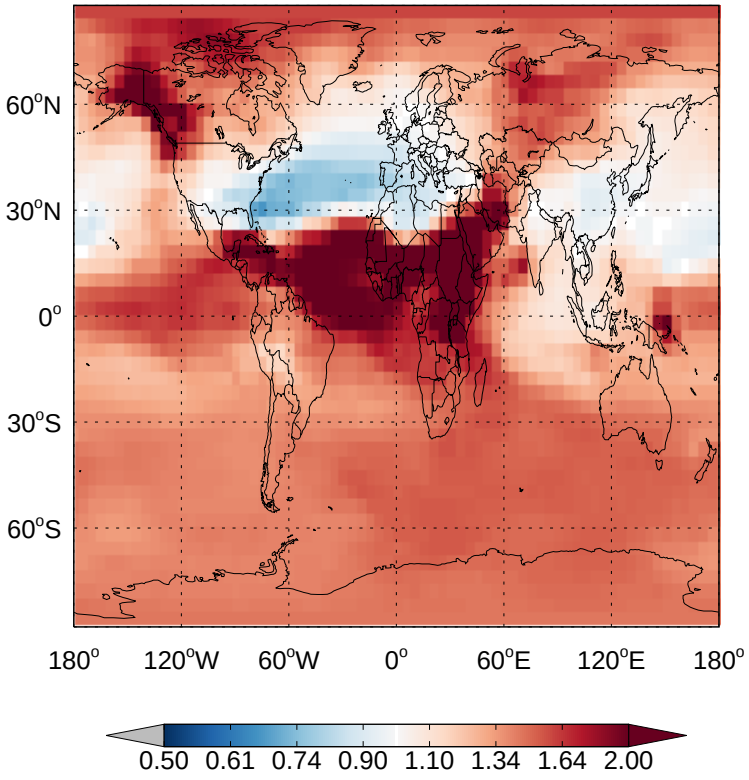
GC_12.0.0 / v11-02e-Run1

R4N2 / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

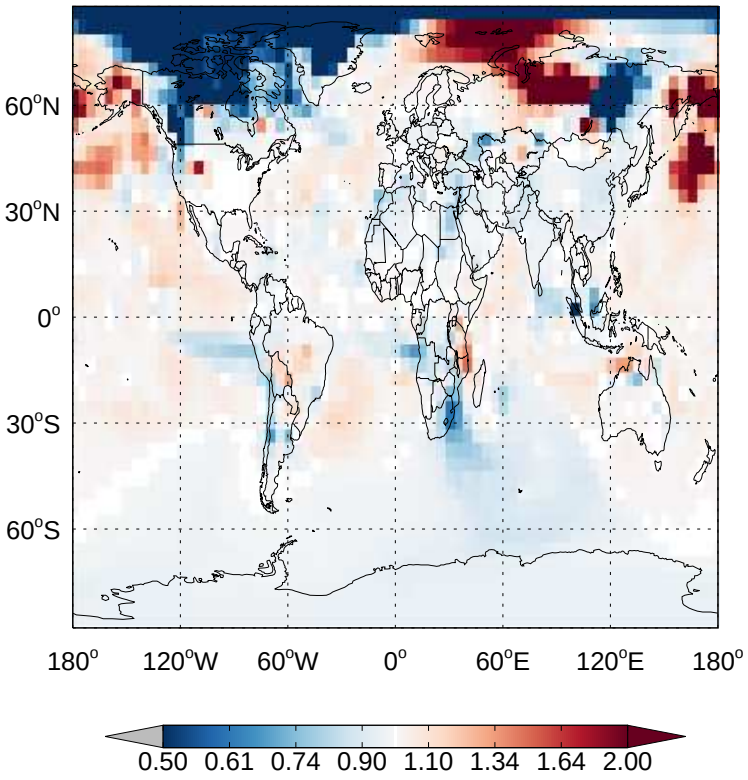
R4N2/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

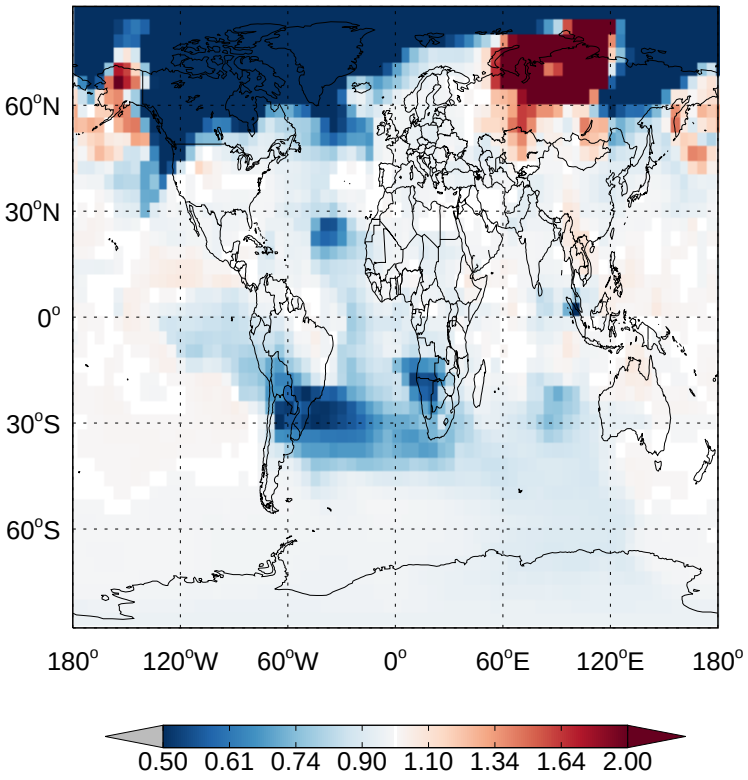
GC_12.0.0 / v11-02f-Run1

PRPE / Ratio @ Surface for Jul



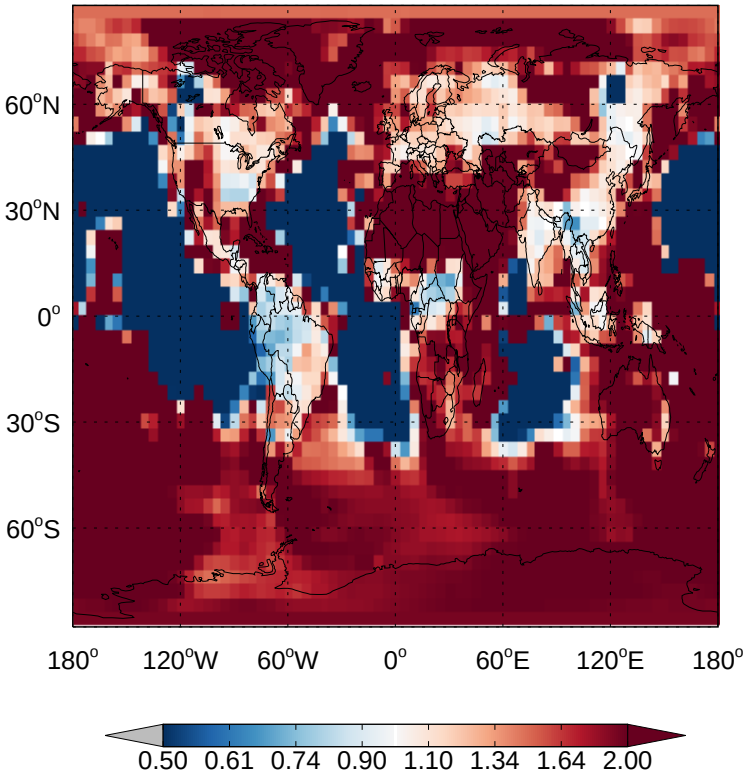
GC_12.0.0 / v11-02f-Run1

PRPE/ Ratio @ 500 hPa for Jul



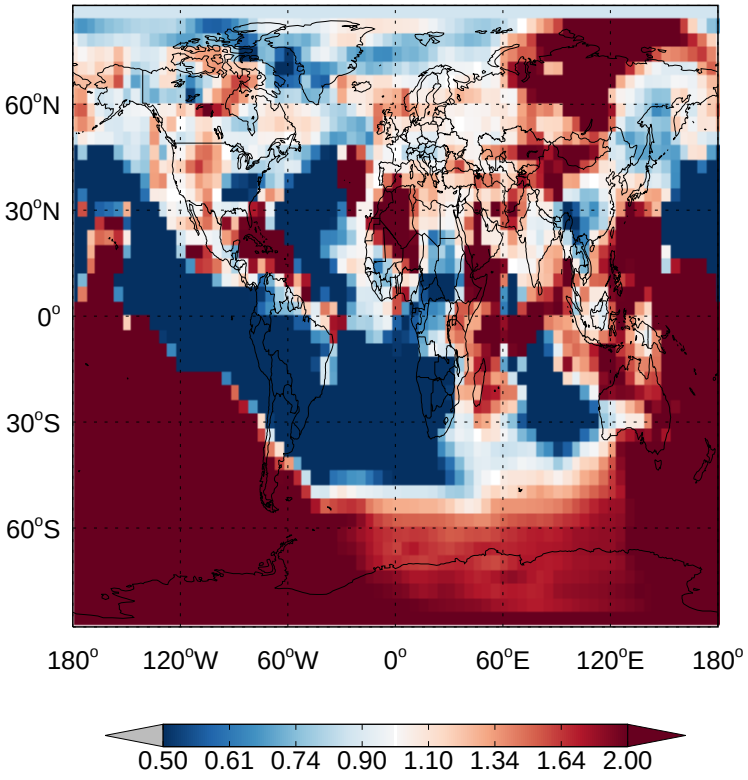
GC_12.0.0 / v11-02e-Run1

PRPE / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

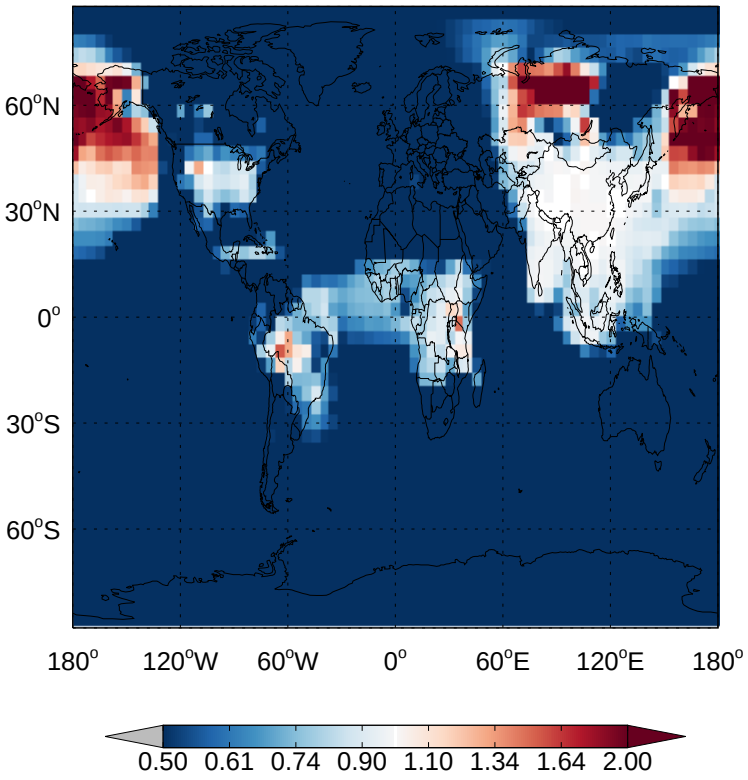
PRPE/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

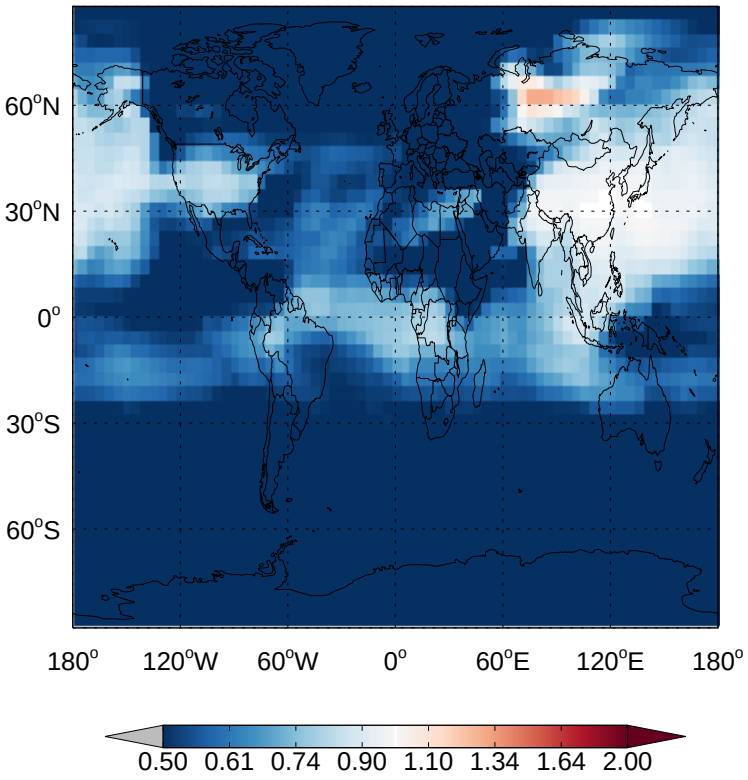
GC_12.0.0 / v11-02f-Run1

C3H8 / Ratio @ Surface for Jul



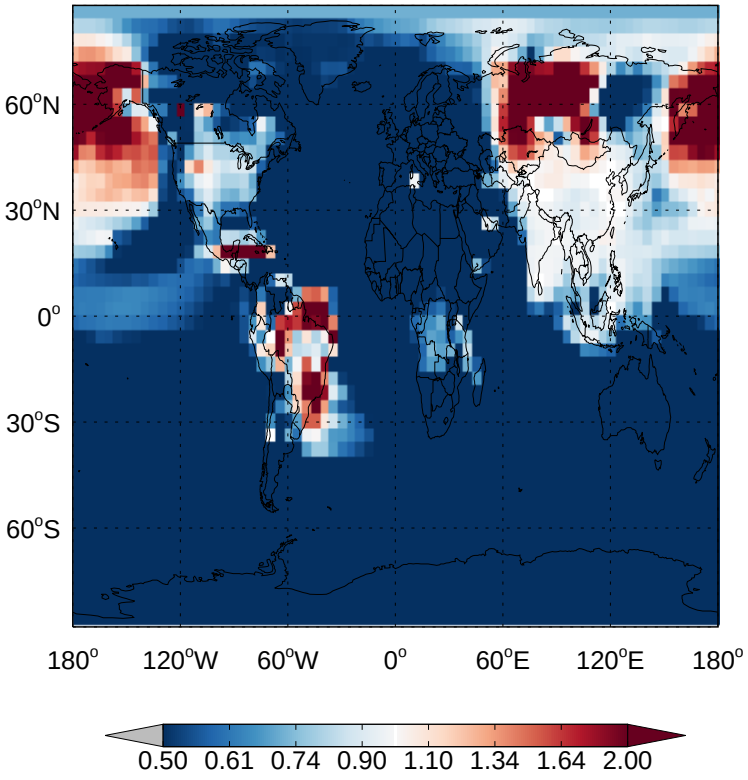
GC_12.0.0 / v11-02f-Run1

C3H8/ Ratio @ 500 hPa for Jul



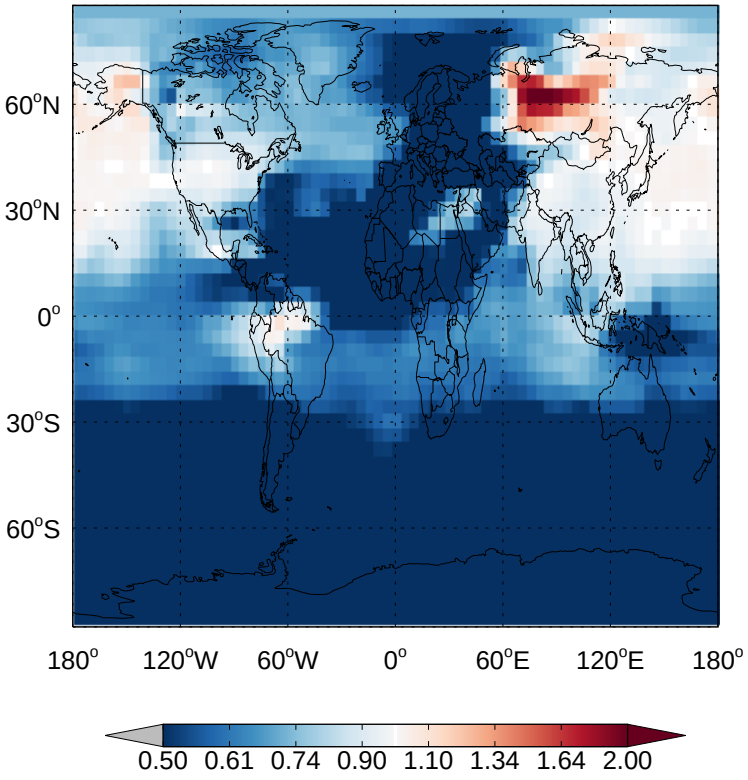
GC_12.0.0 / v11-02e-Run1

C3H8 / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

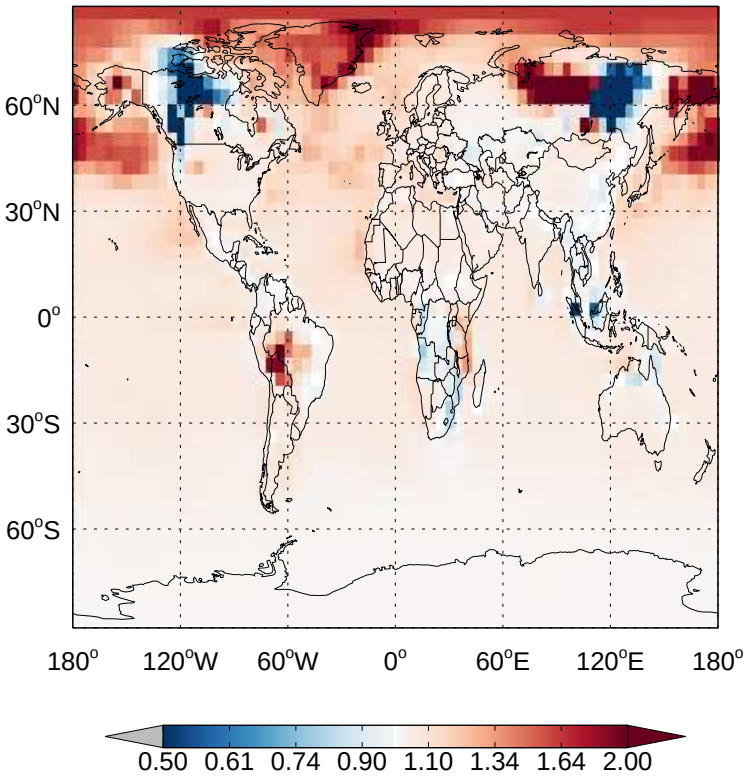
C3H8/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

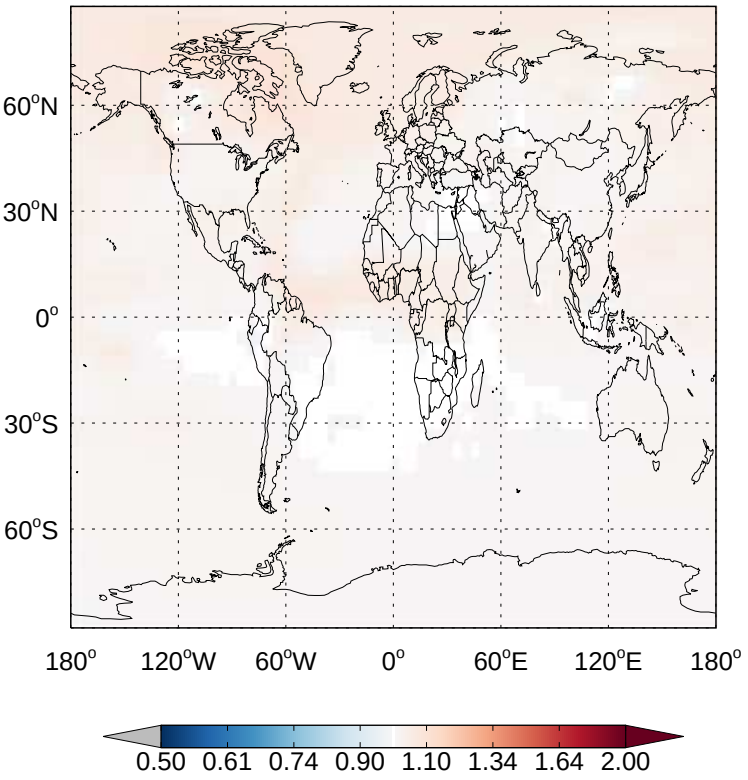
GC_12.0.0 / v11-02f-Run1

CH2O / Ratio @ Surface for Jul



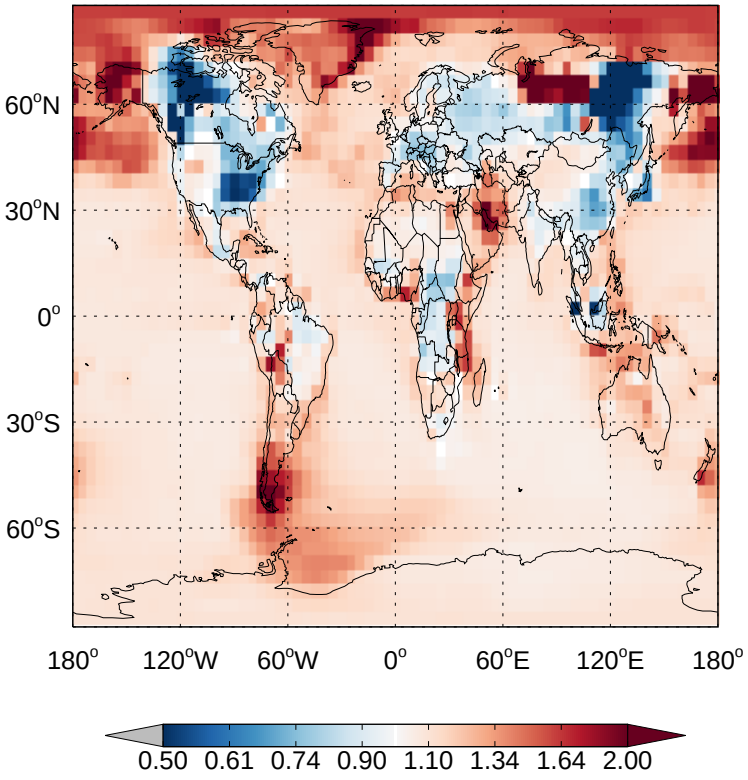
GC_12.0.0 / v11-02f-Run1

CH2O/ Ratio @ 500 hPa for Jul



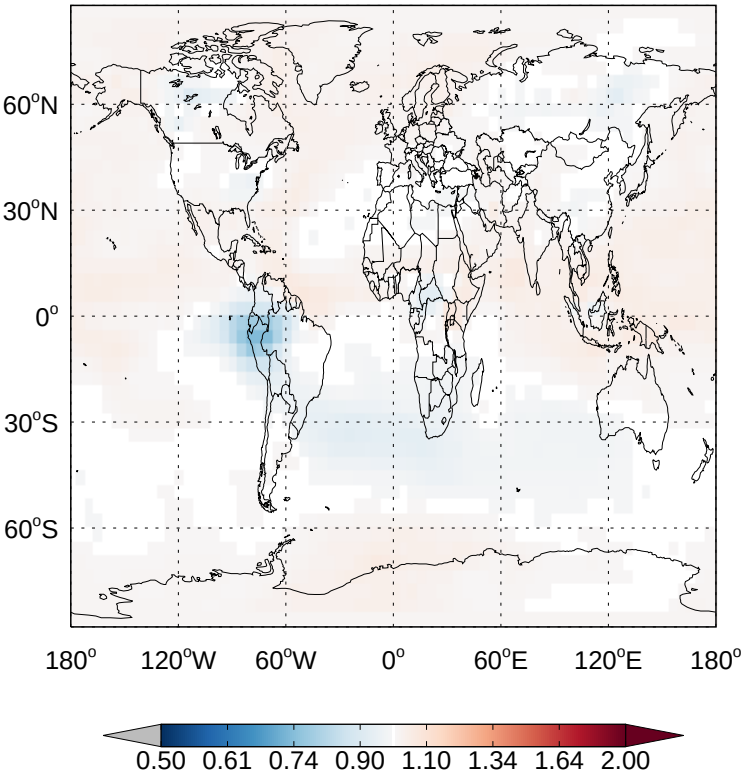
GC_12.0.0 / v11-02e-Run1

CH2O / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

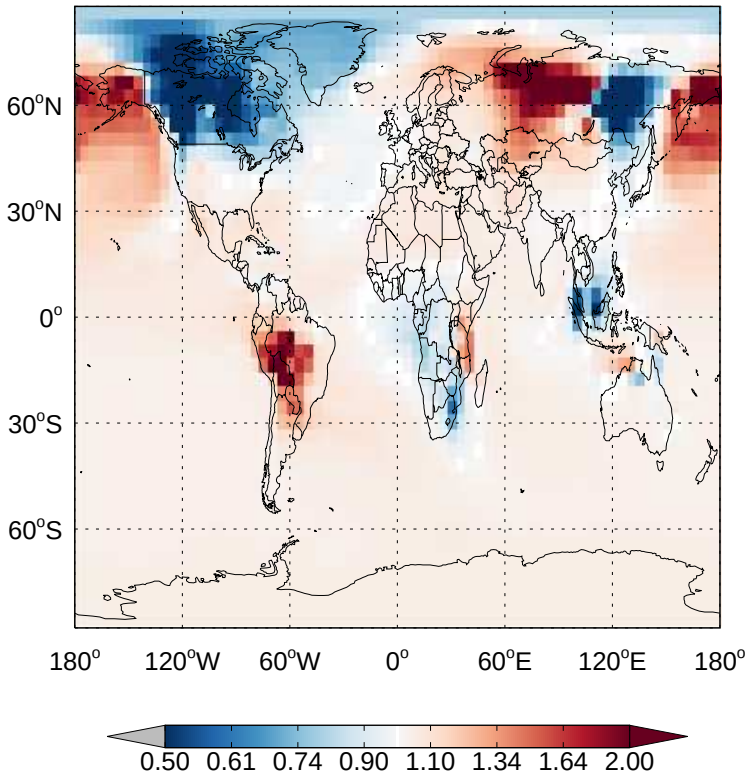
CH2O/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

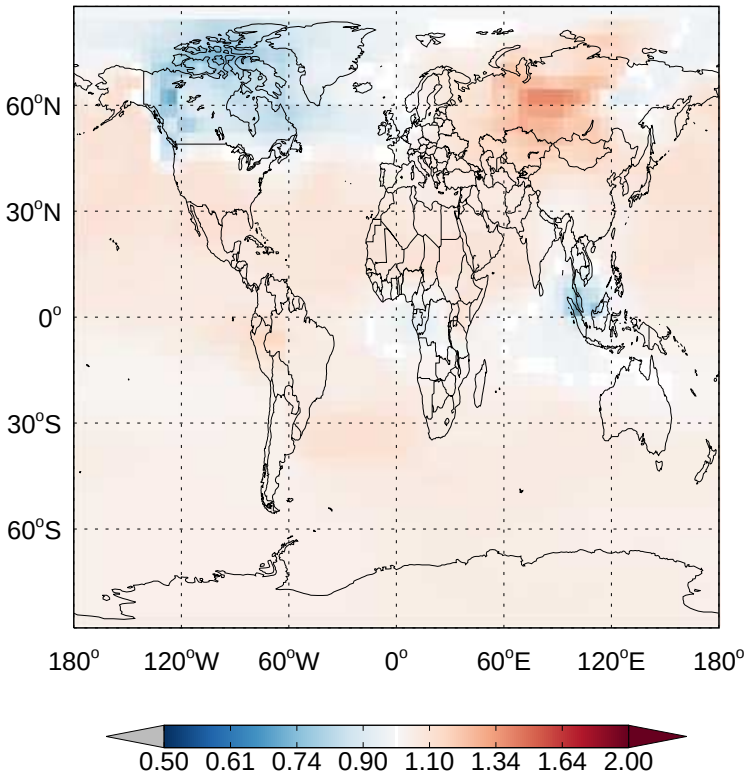
GC_12.0.0 / v11-02f-Run1

C2H6 / Ratio @ Surface for Jul



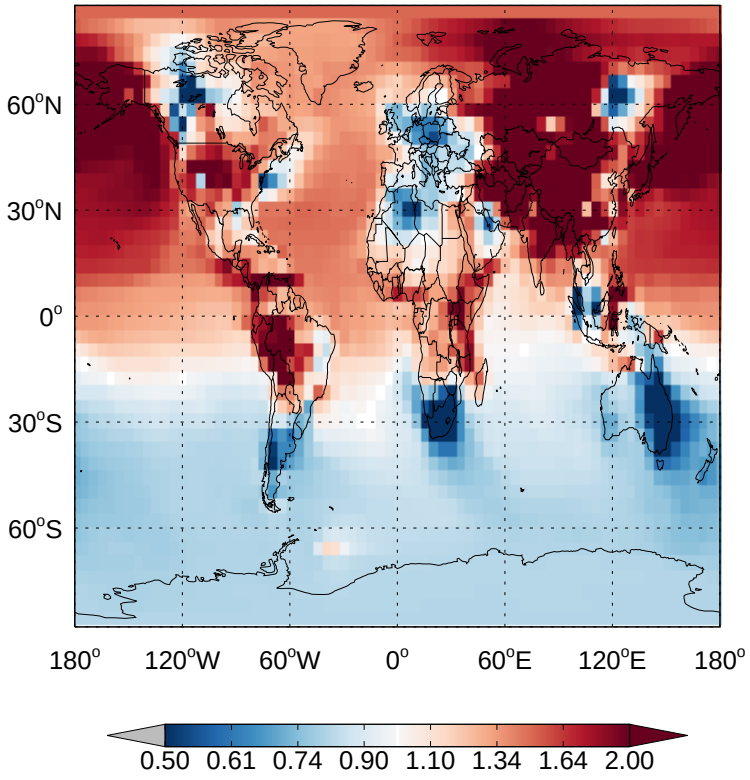
GC_12.0.0 / v11-02f-Run1

C2H6/ Ratio @ 500 hPa for Jul



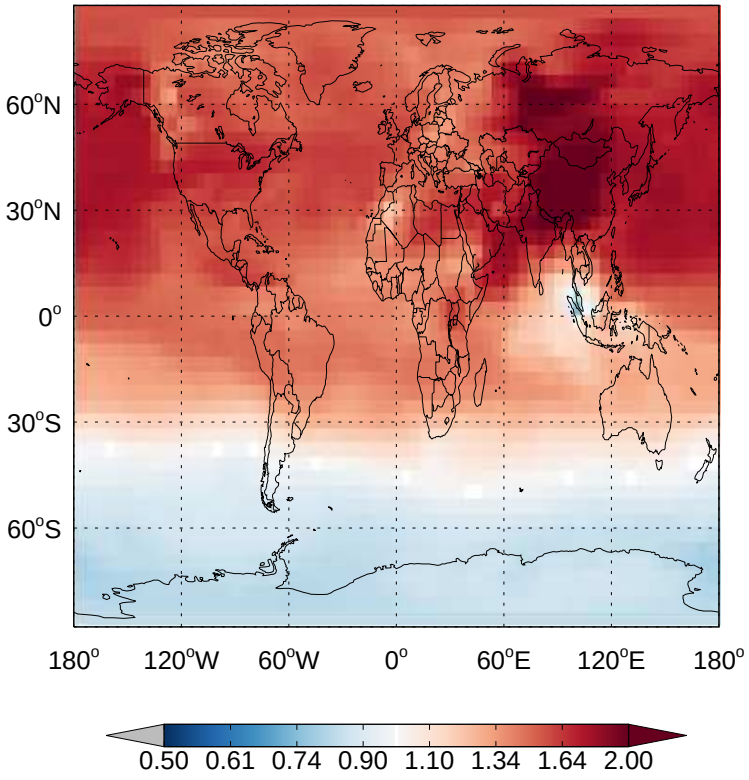
GC_12.0.0 / v11-02e-Run1

C2H6 / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

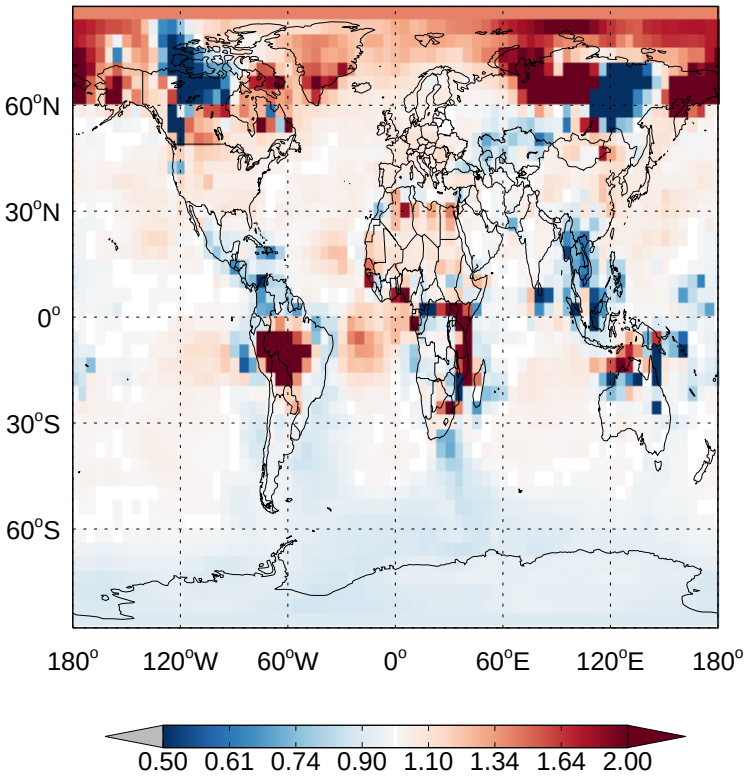
C2H6/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

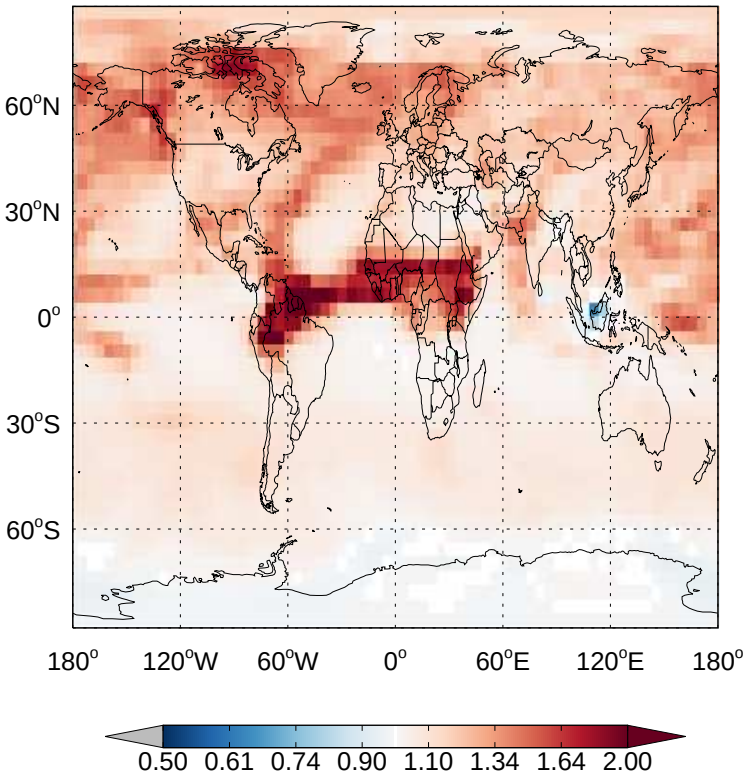
GC_12.0.0 / v11-02f-Run1

N2O5 / Ratio @ Surface for Jul



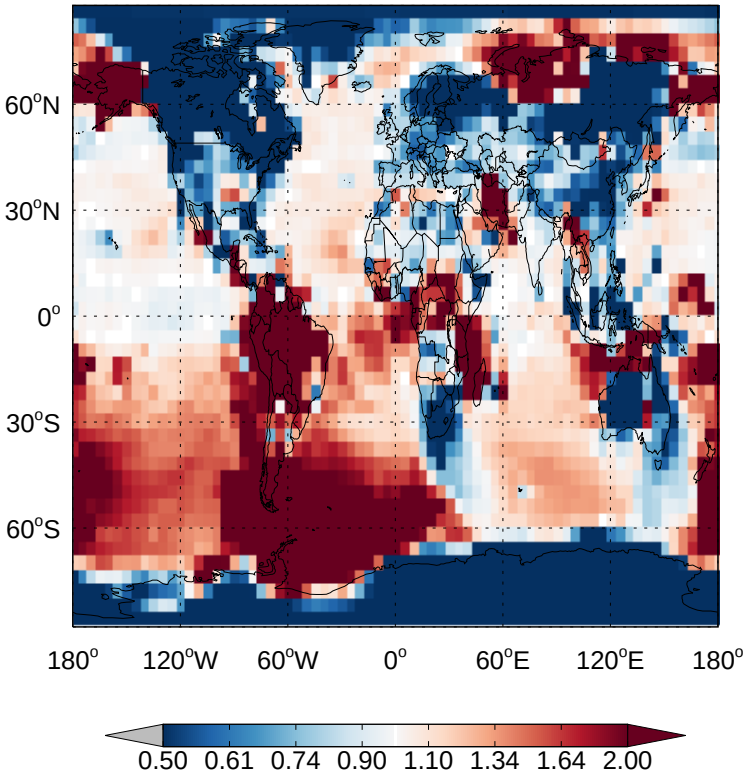
GC_12.0.0 / v11-02f-Run1

N2O5/ Ratio @ 500 hPa for Jul



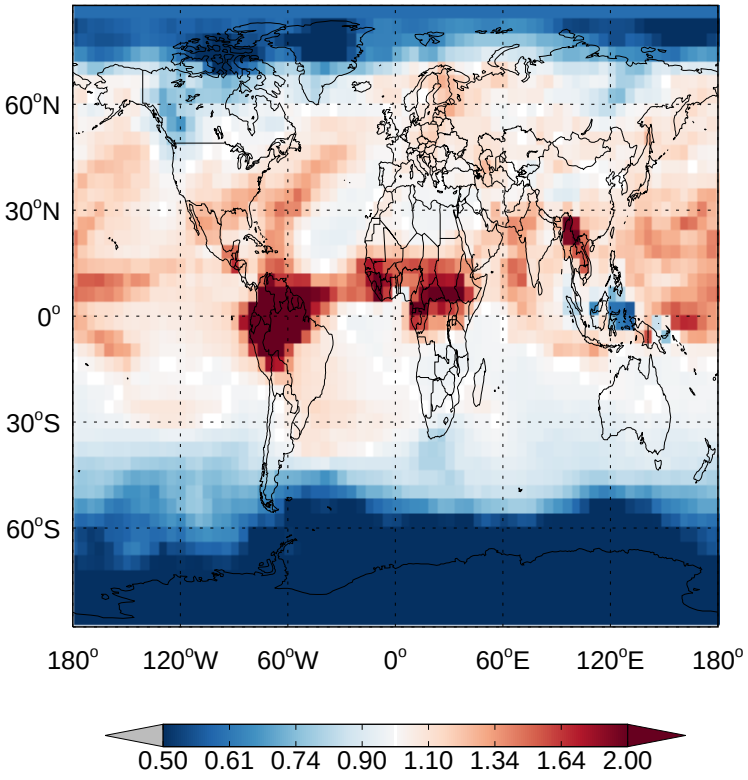
GC_12.0.0 / v11-02e-Run1

N2O5 / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

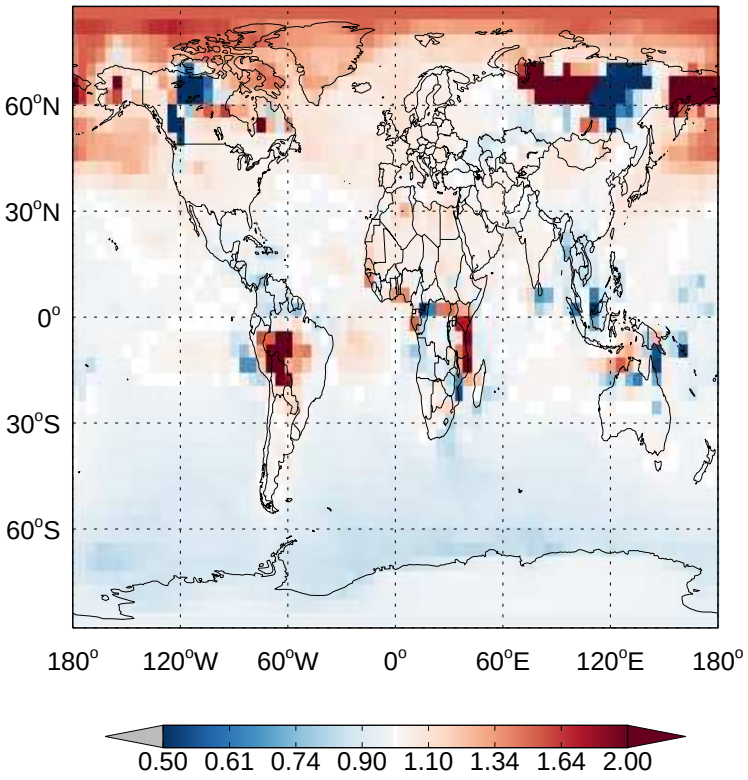
N2O5/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

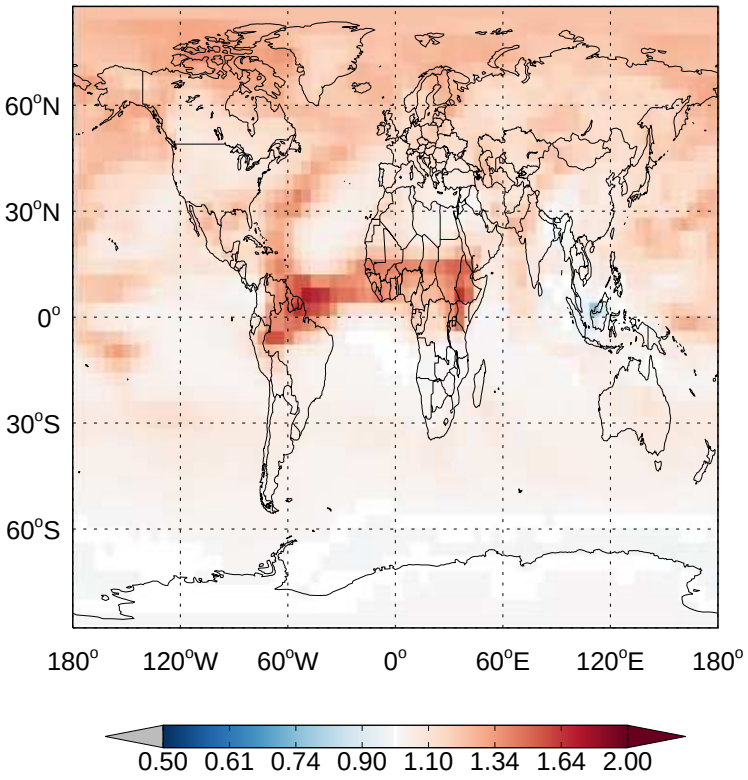
GC_12.0.0 / v11-02f-Run1

HNO4 / Ratio @ Surface for Jul



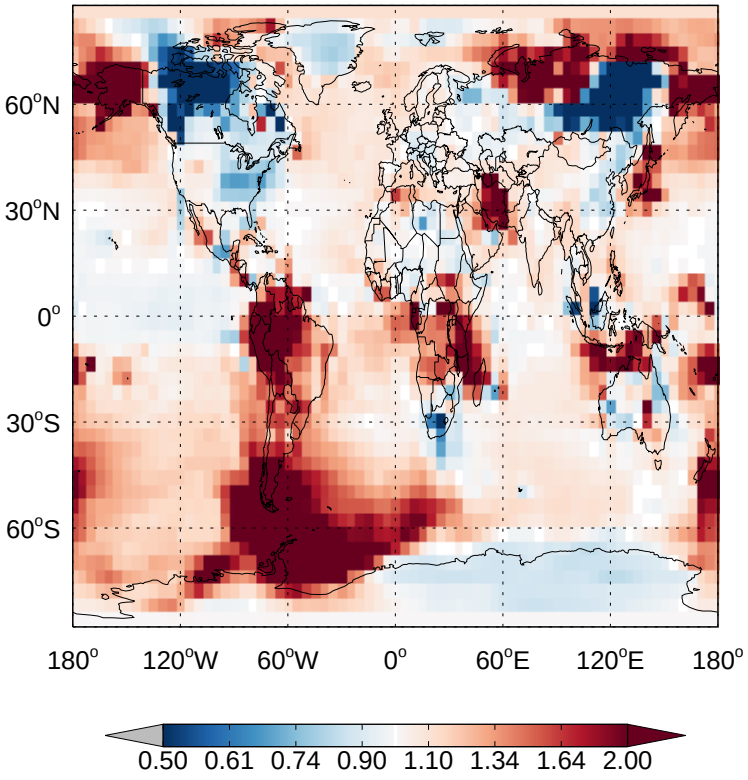
GC_12.0.0 / v11-02f-Run1

HNO4/ Ratio @ 500 hPa for Jul



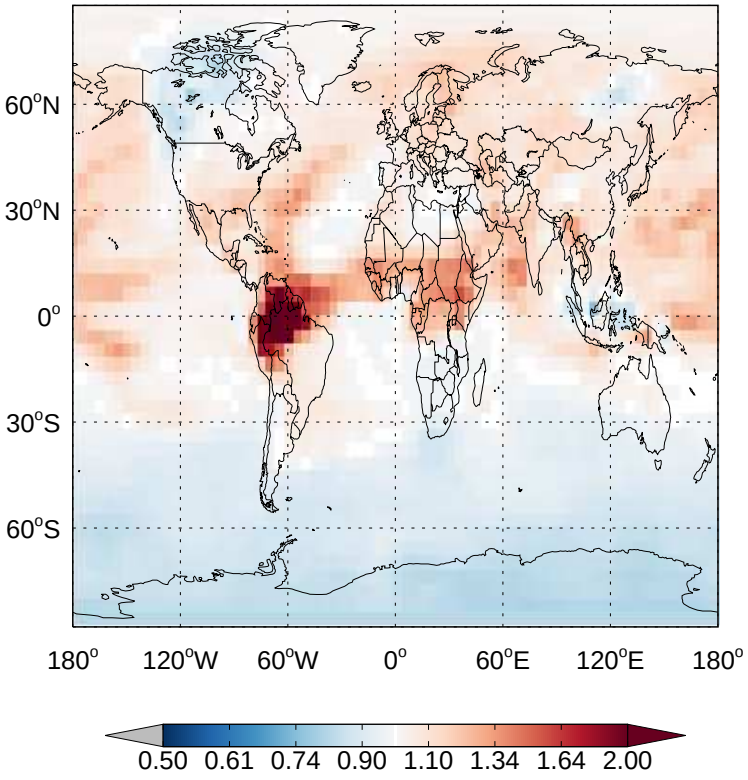
GC_12.0.0 / v11-02e-Run1

HNO4 / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

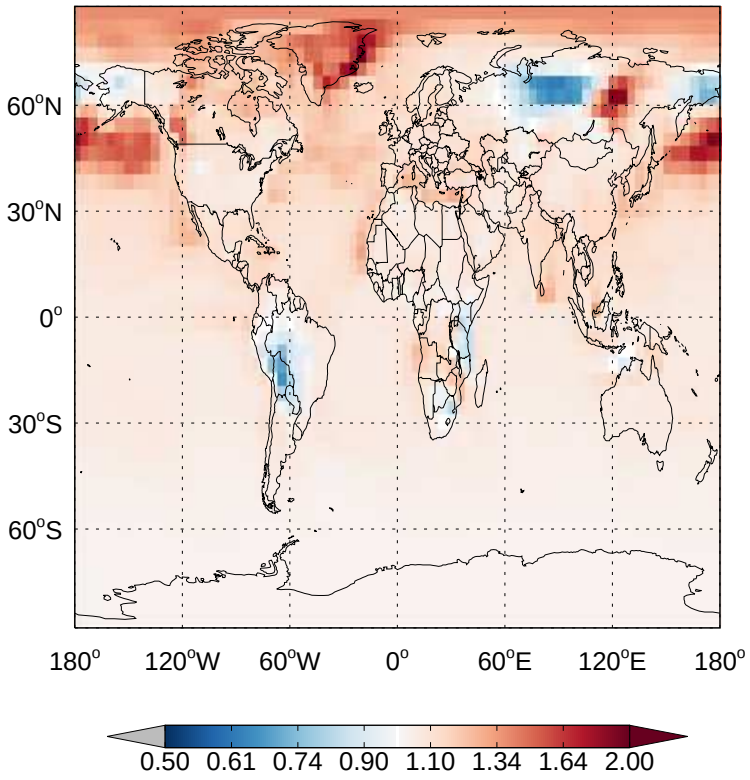
HNO4/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

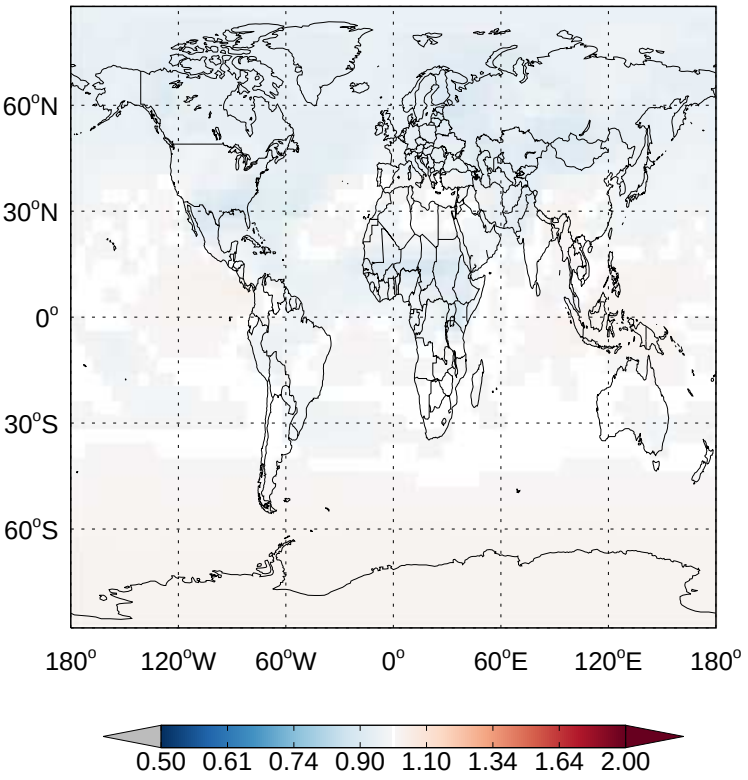
GC_12.0.0 / v11-02f-Run1

MP / Ratio @ Surface for Jul



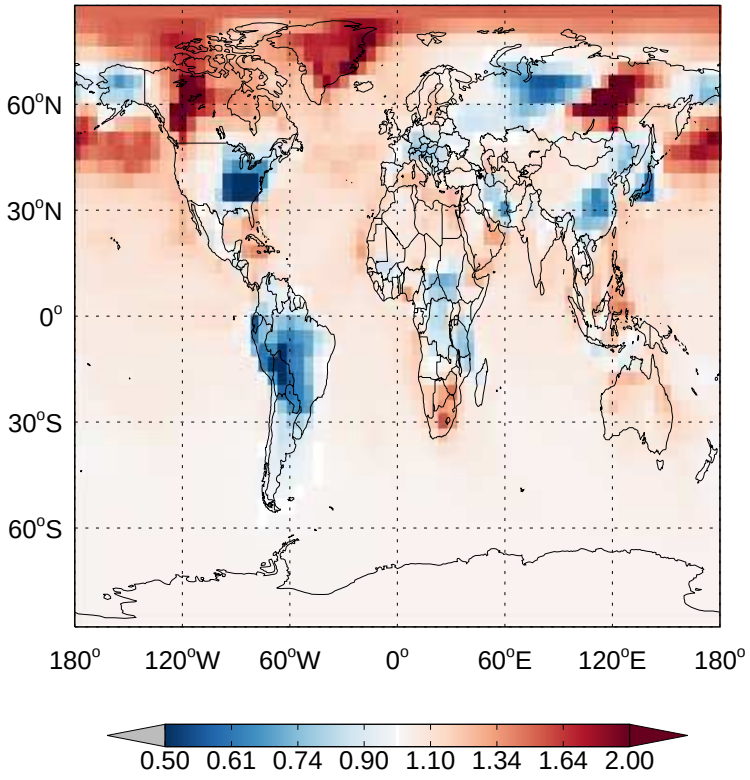
GC_12.0.0 / v11-02f-Run1

MP/ Ratio @ 500 hPa for Jul



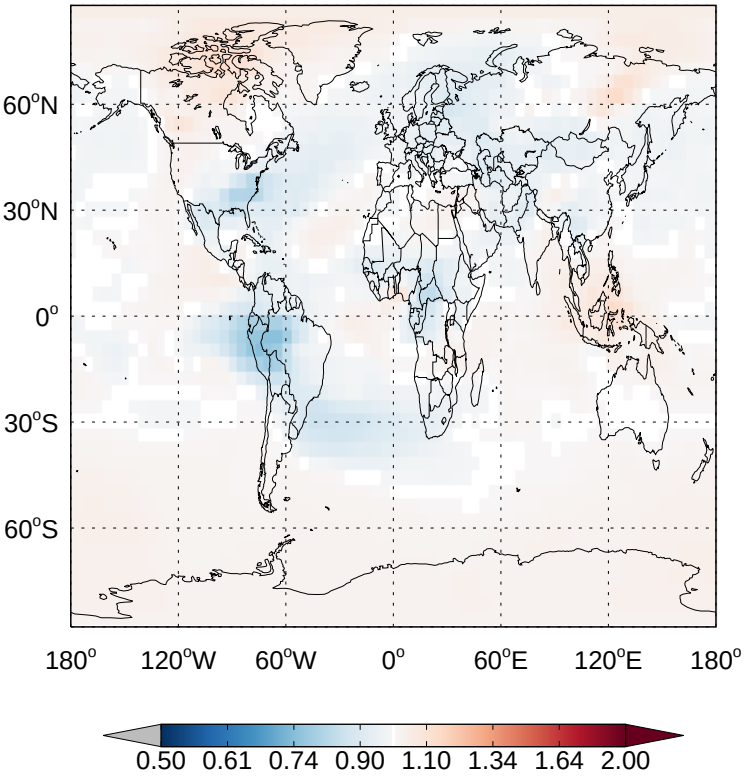
GC_12.0.0 / v11-02e-Run1

MP / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

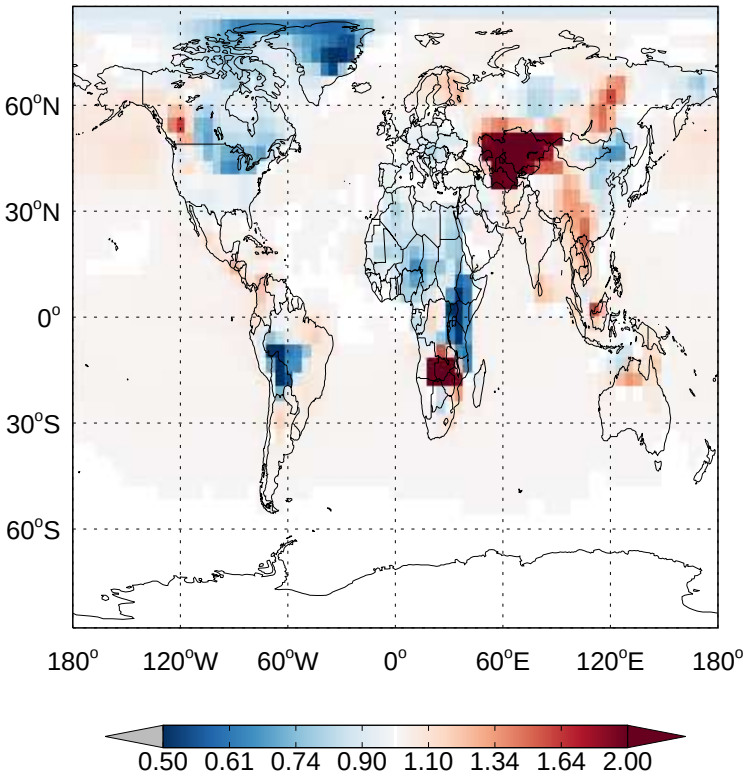
MP/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

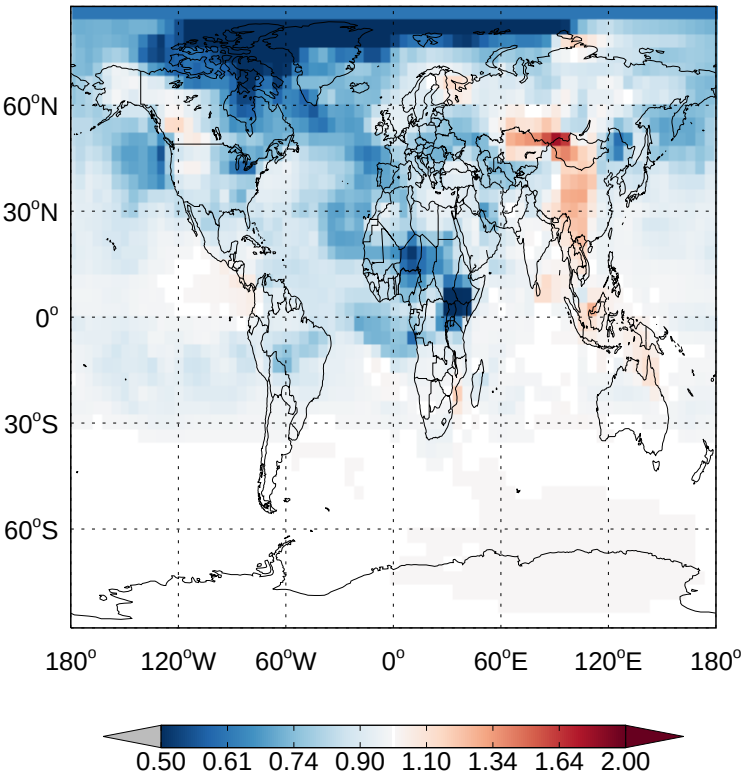
GC_12.0.0 / v11-02f-Run1

DMS / Ratio @ Surface for Jul



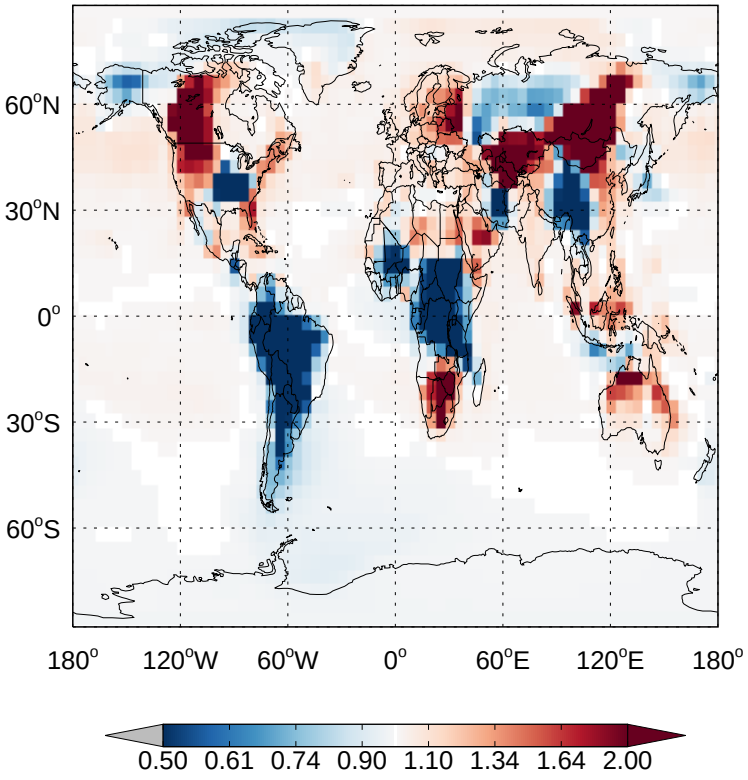
GC_12.0.0 / v11-02f-Run1

DMS/ Ratio @ 500 hPa for Jul



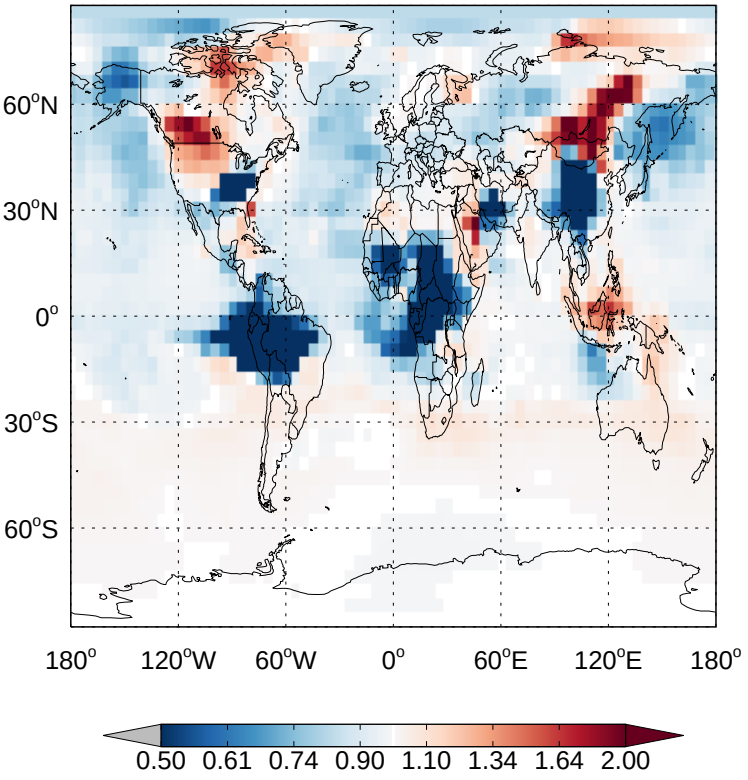
GC_12.0.0 / v11-02e-Run1

DMS / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

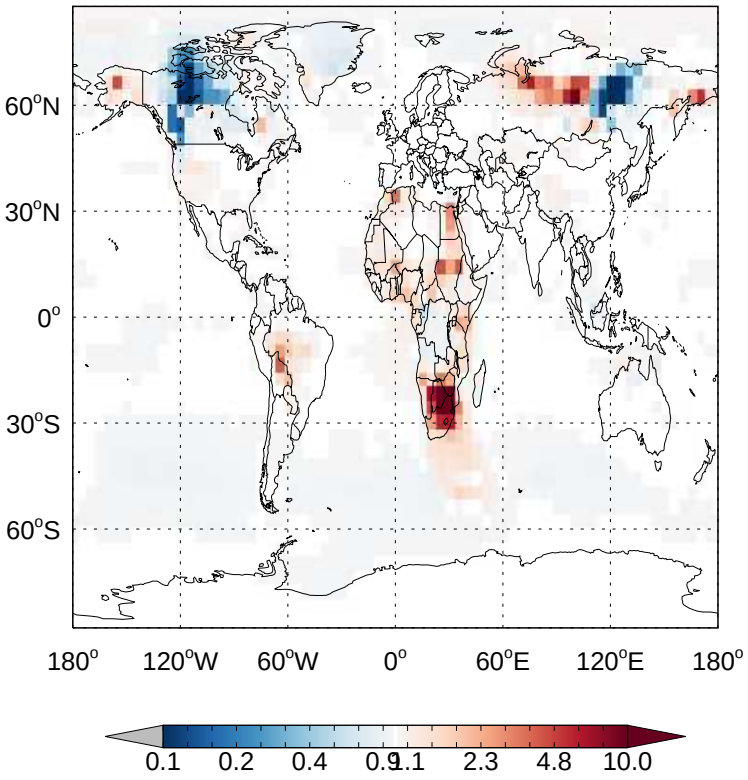
DMS/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

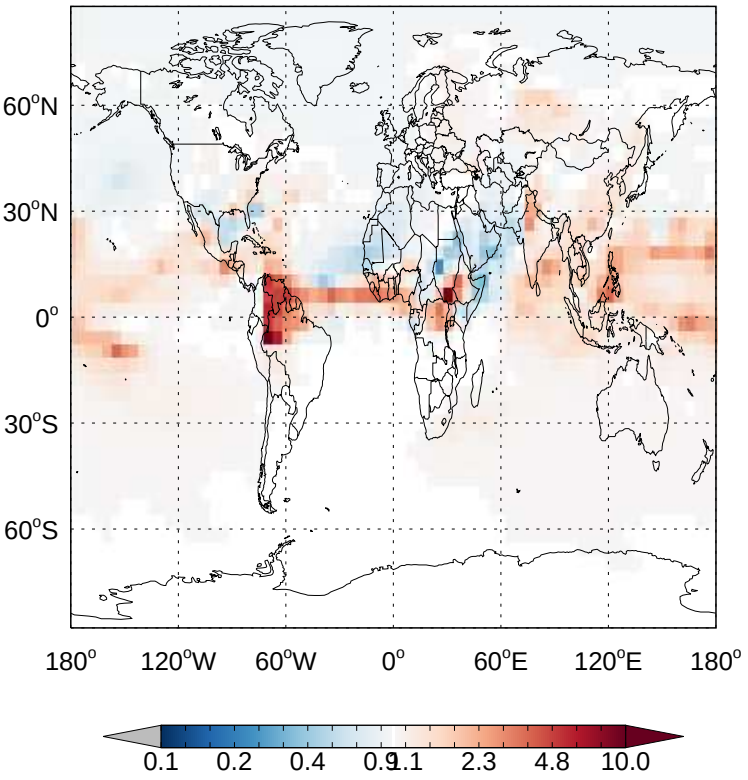
GC_12.0.0 / v11-02f-Run1

SO2 / Ratio @ Surface for Jul



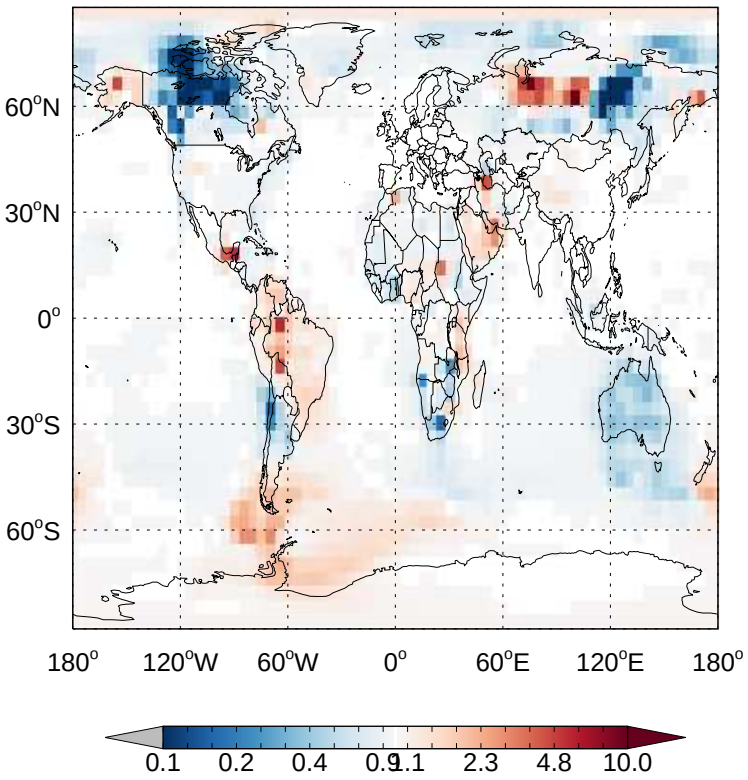
GC_12.0.0 / v11-02f-Run1

SO2/ Ratio @ 500 hPa for Jul



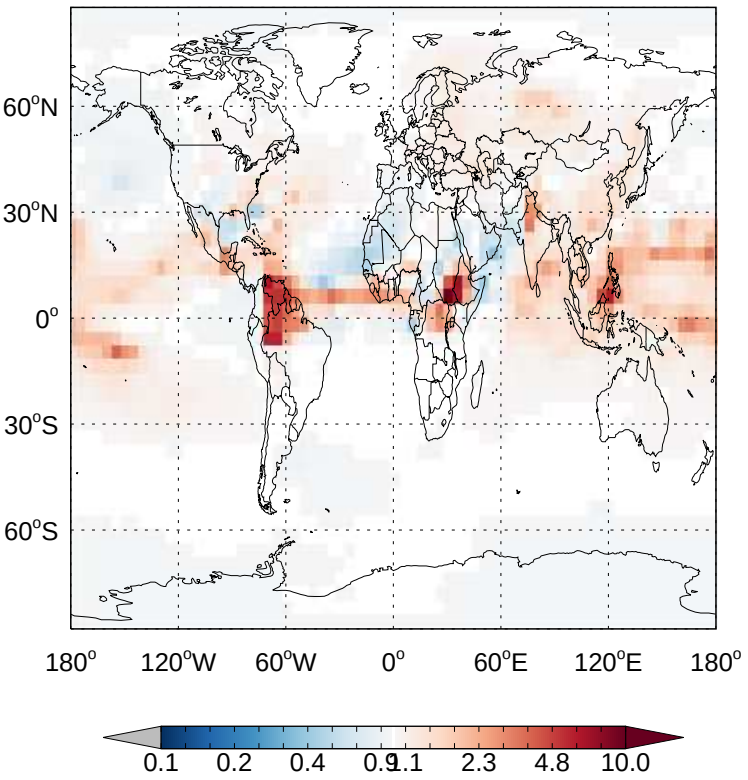
GC_12.0.0 / v11-02e-Run1

SO2 / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

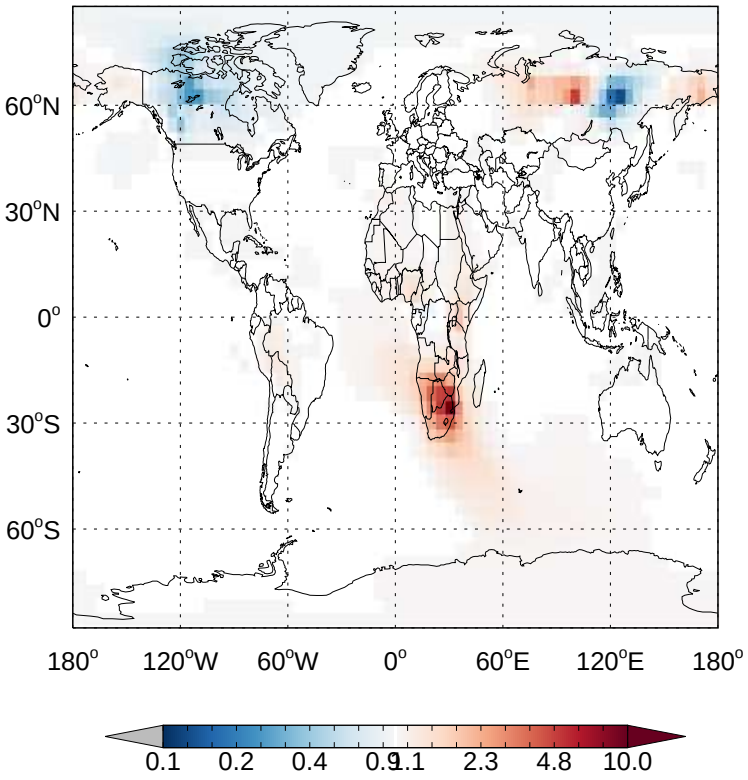
SO2/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

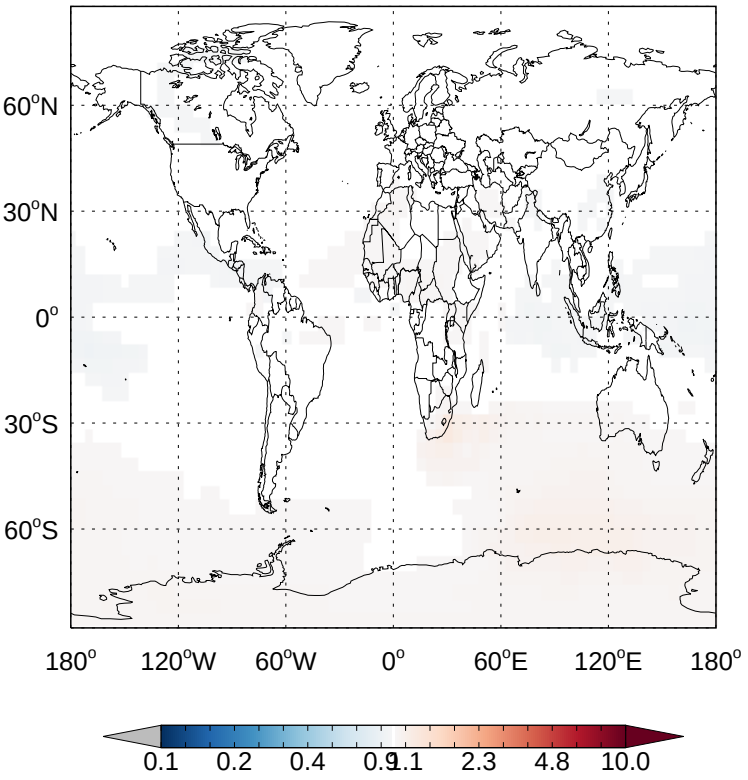
GC_12.0.0 / v11-02f-Run1

SO4 / Ratio @ Surface for Jul



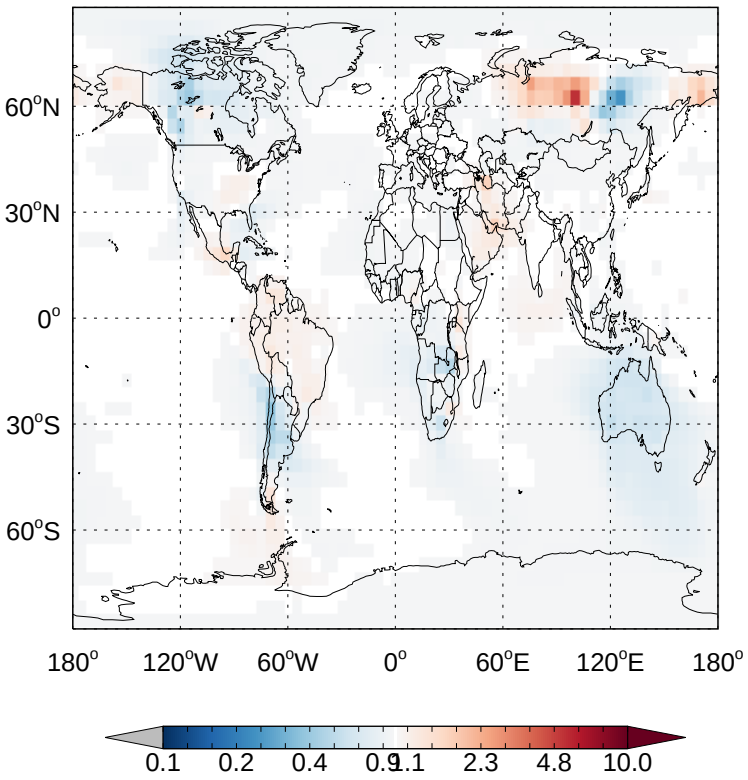
GC_12.0.0 / v11-02f-Run1

SO4/ Ratio @ 500 hPa for Jul



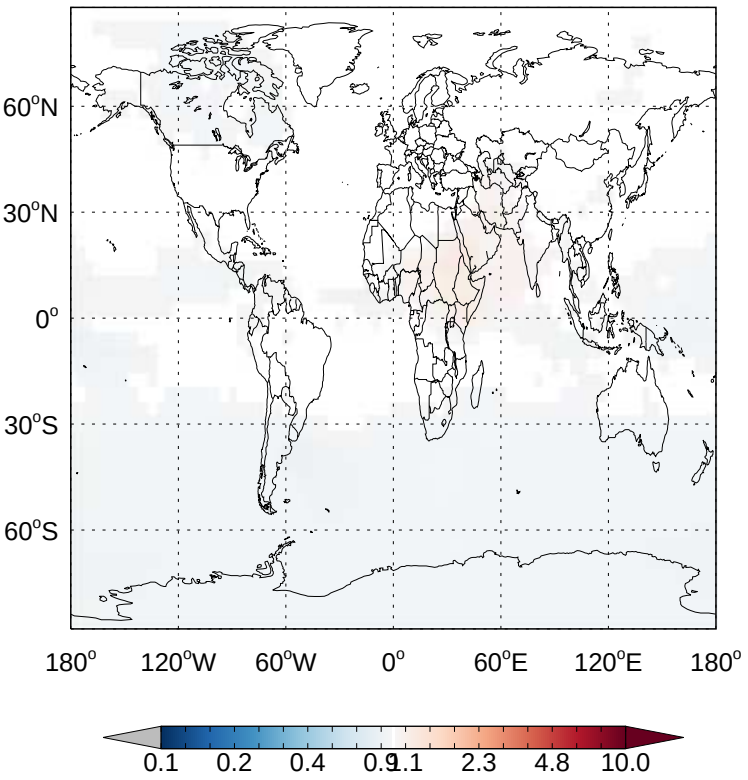
GC_12.0.0 / v11-02e-Run1

SO4 / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

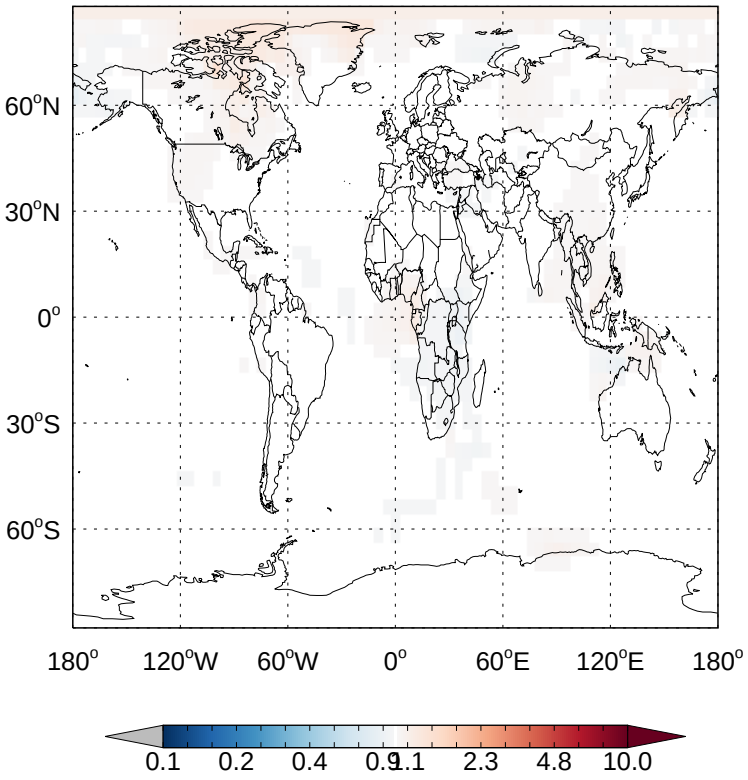
SO4/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

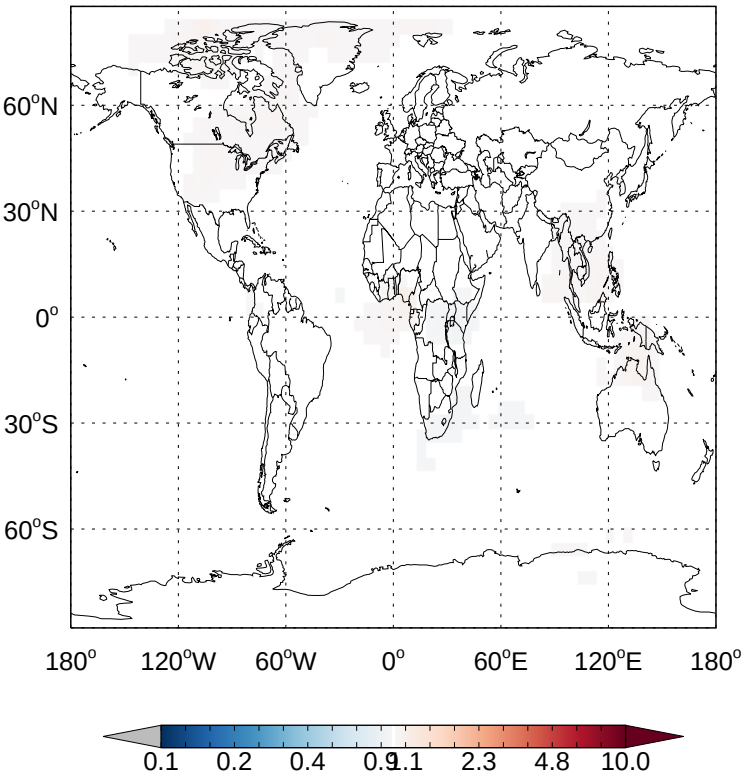
GC_12.0.0 / v11-02f-Run1

SO4s / Ratio @ Surface for Jul



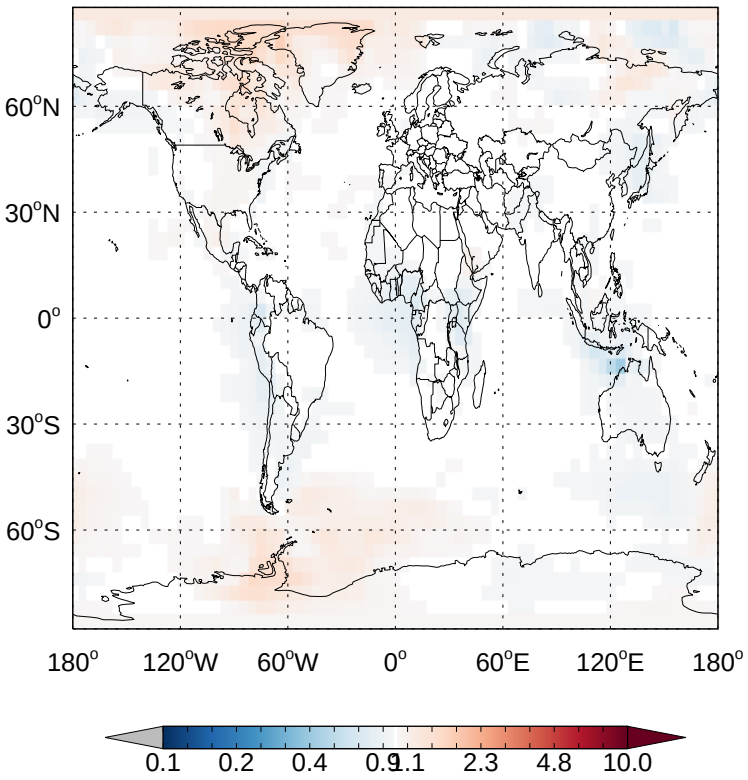
GC_12.0.0 / v11-02f-Run1

SO4s/ Ratio @ 500 hPa for Jul



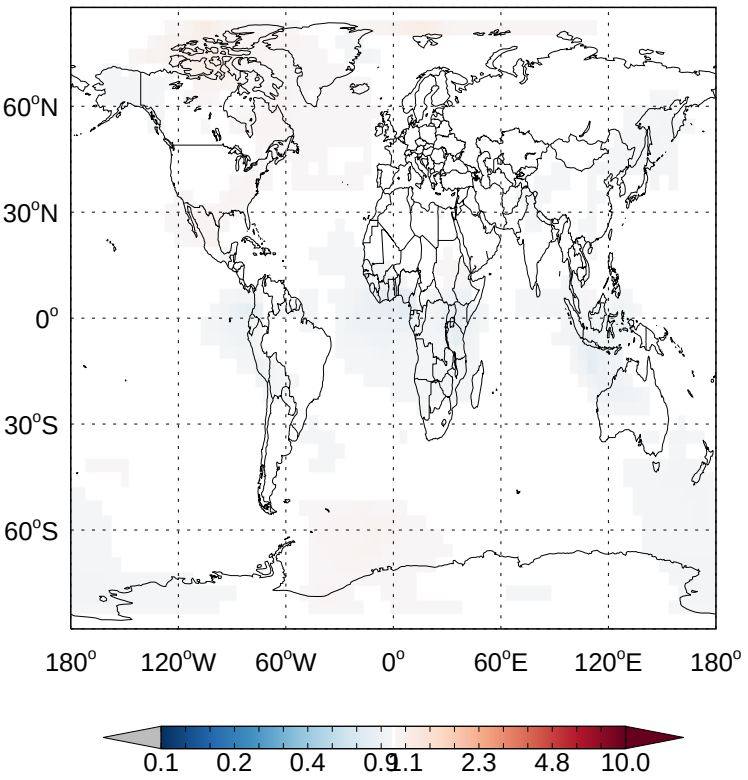
GC_12.0.0 / v11-02e-Run1

SO4s / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

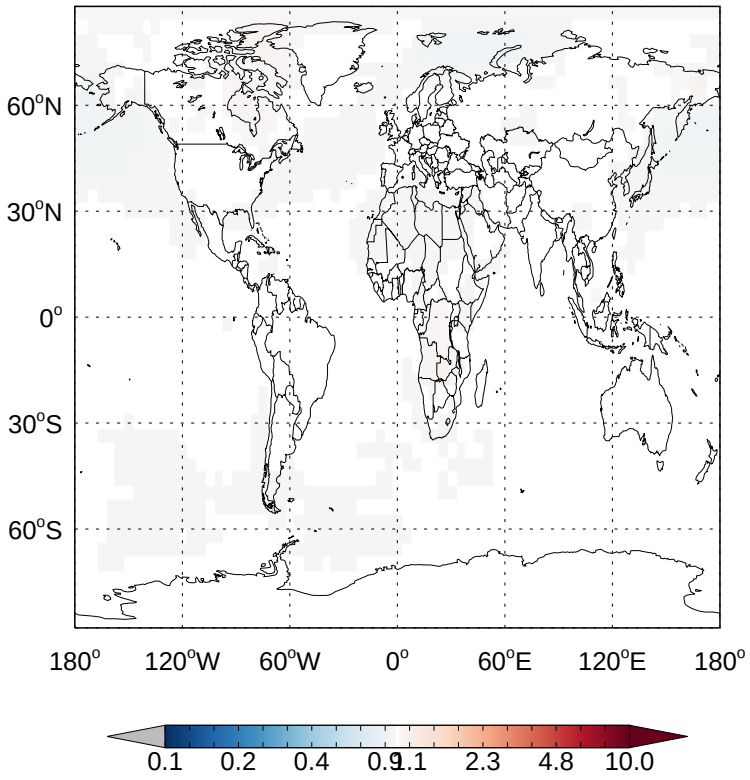
SO4s/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

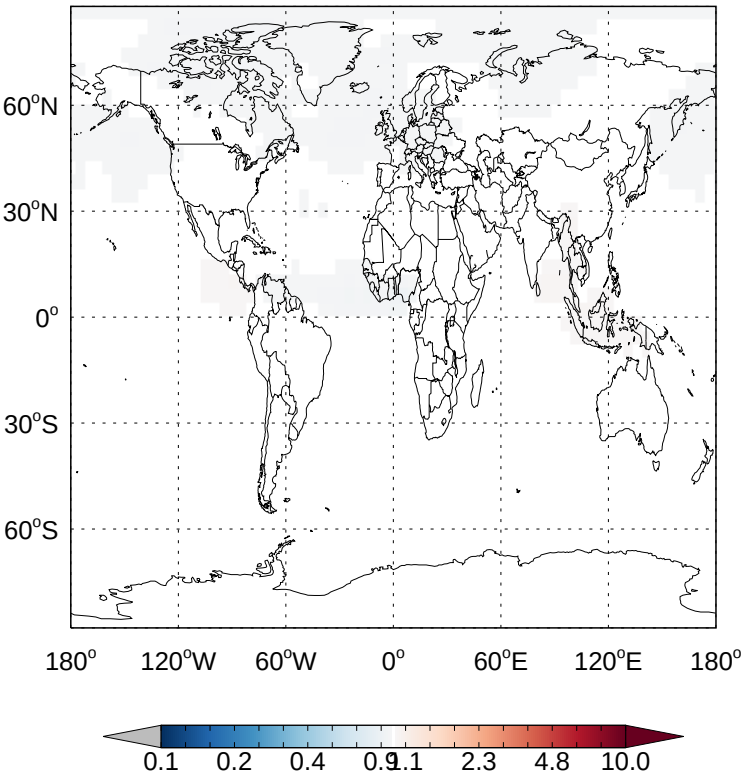
GC_12.0.0 / v11-02f-Run1

MSA / Ratio @ Surface for Jul



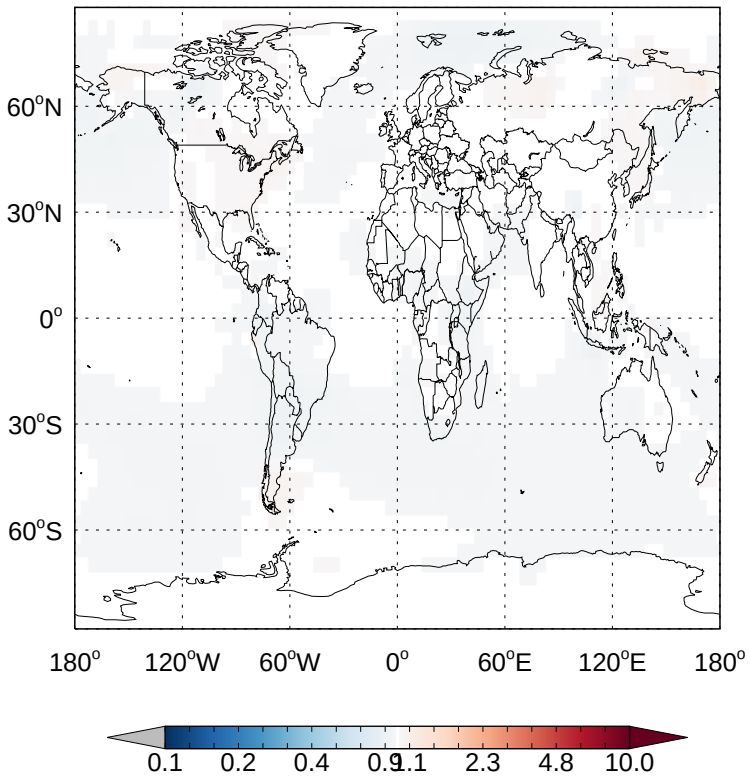
GC_12.0.0 / v11-02f-Run1

MSA/ Ratio @ 500 hPa for Jul



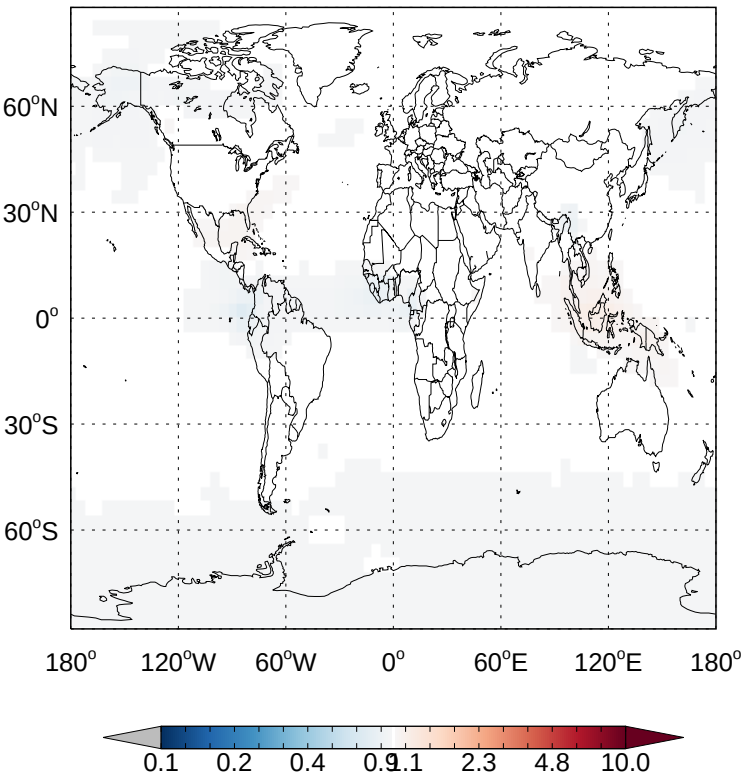
GC_12.0.0 / v11-02e-Run1

MSA / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

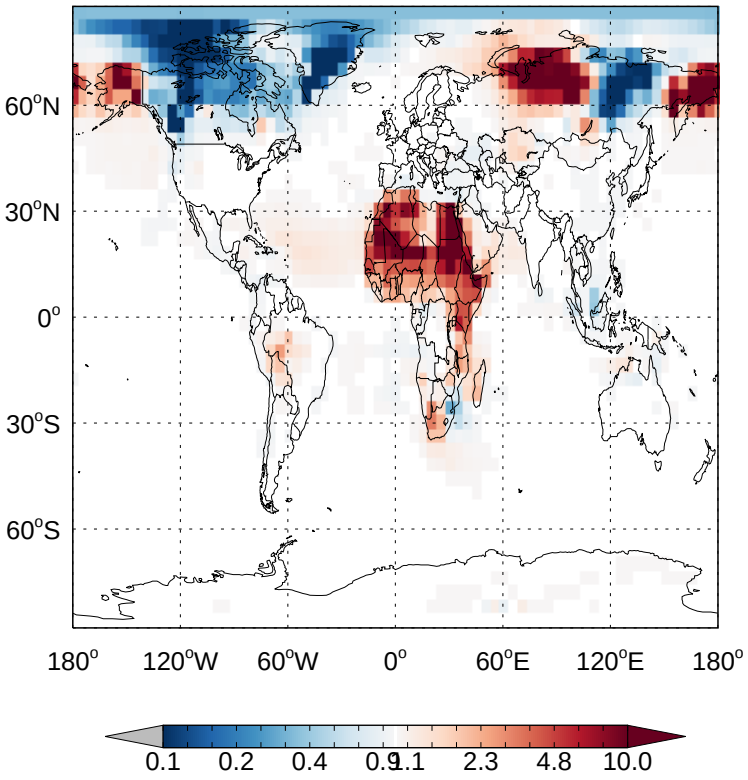
MSA/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

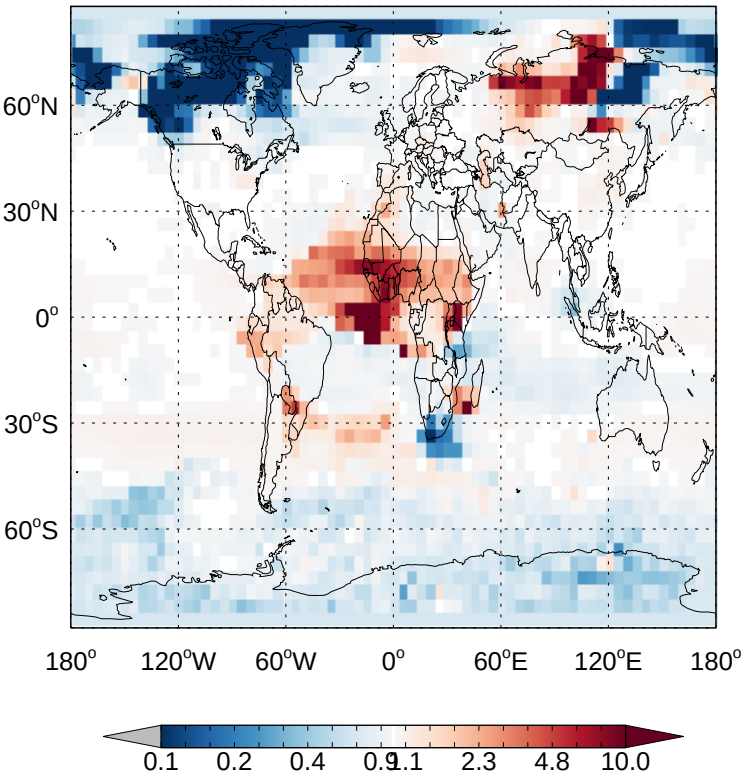
GC_12.0.0 / v11-02f-Run1

NH3 / Ratio @ Surface for Jul



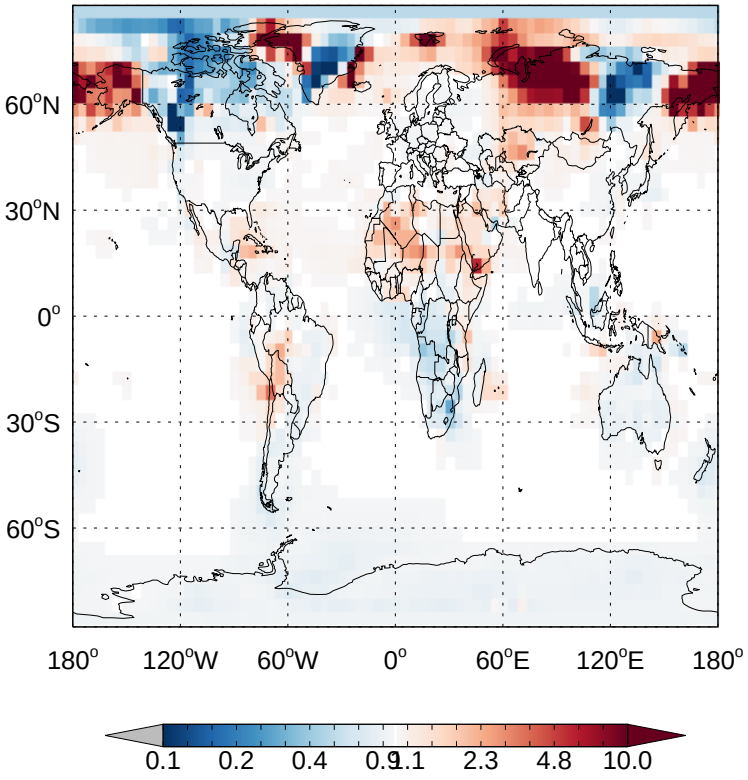
GC_12.0.0 / v11-02f-Run1

NH3/ Ratio @ 500 hPa for Jul



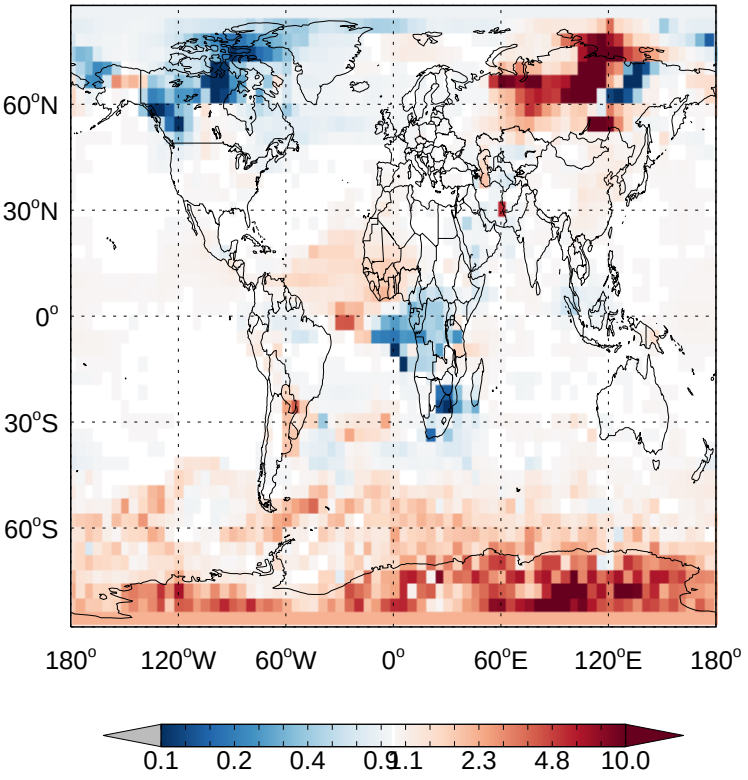
GC_12.0.0 / v11-02e-Run1

NH3 / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

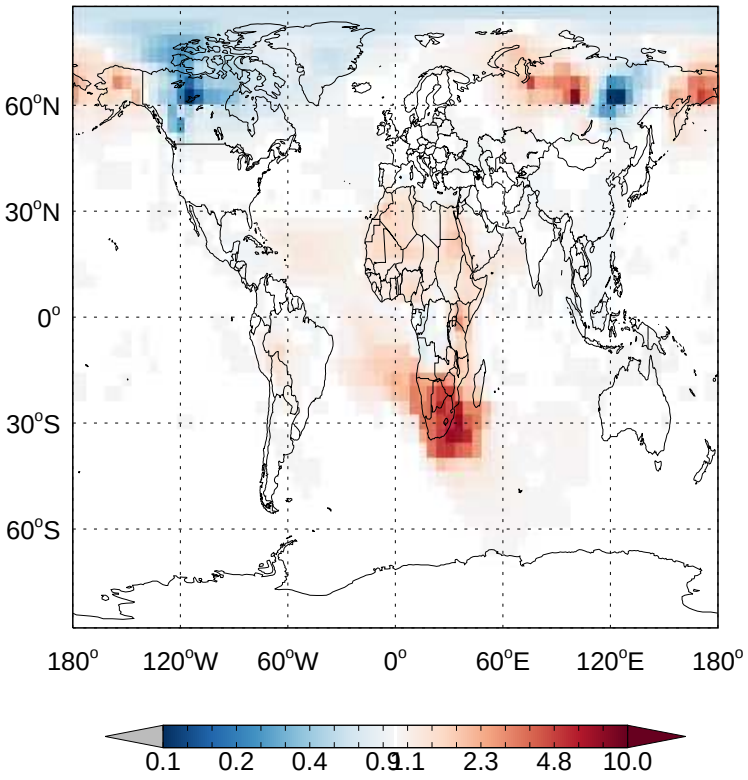
NH3/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

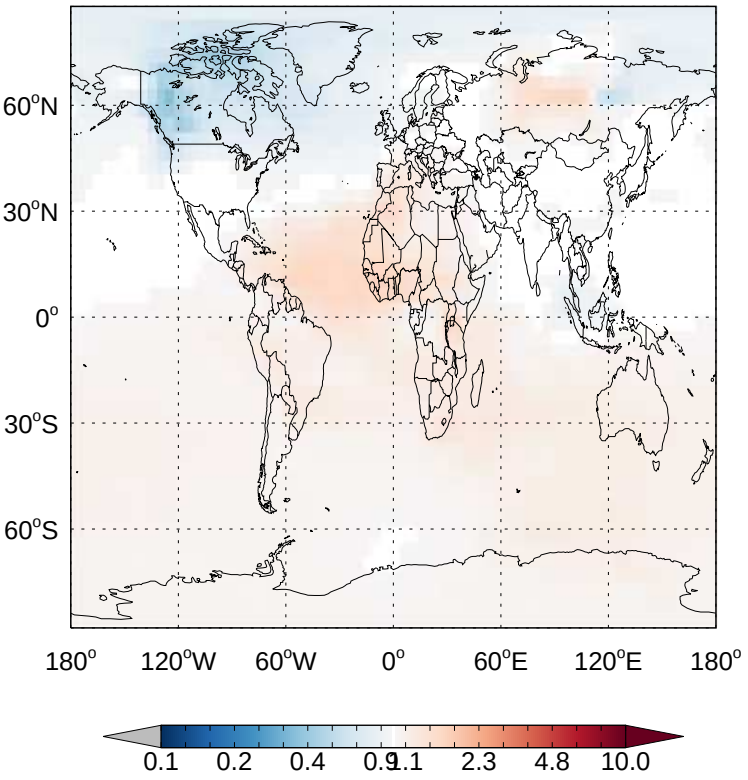
GC_12.0.0 / v11-02f-Run1

NH4 / Ratio @ Surface for Jul



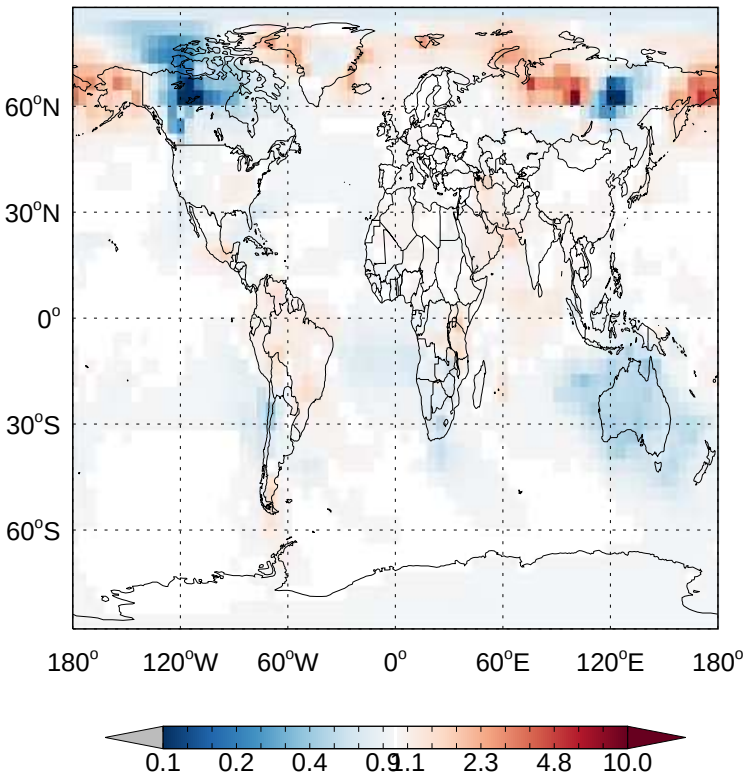
GC_12.0.0 / v11-02f-Run1

NH4/ Ratio @ 500 hPa for Jul



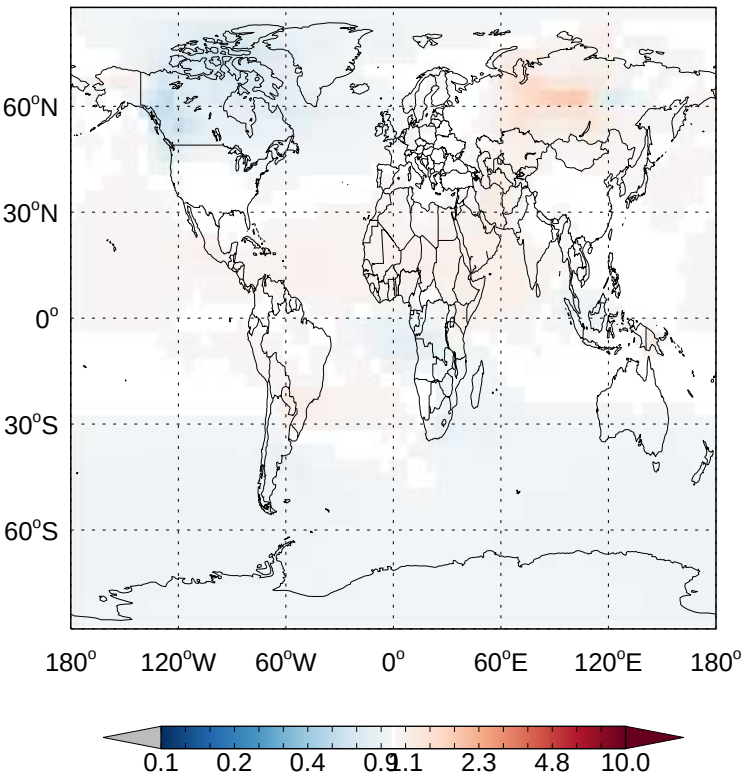
GC_12.0.0 / v11-02e-Run1

NH4 / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

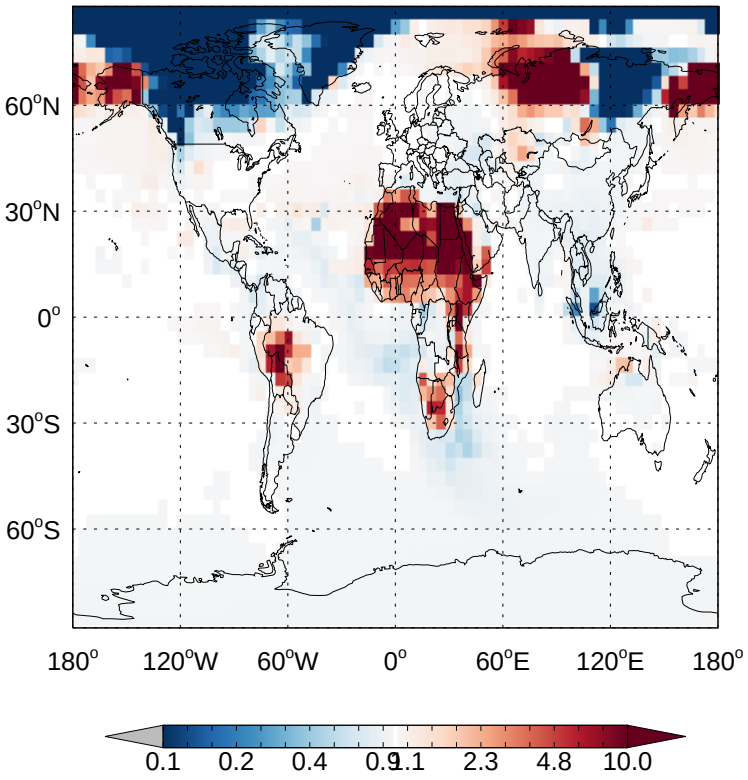
NH4/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

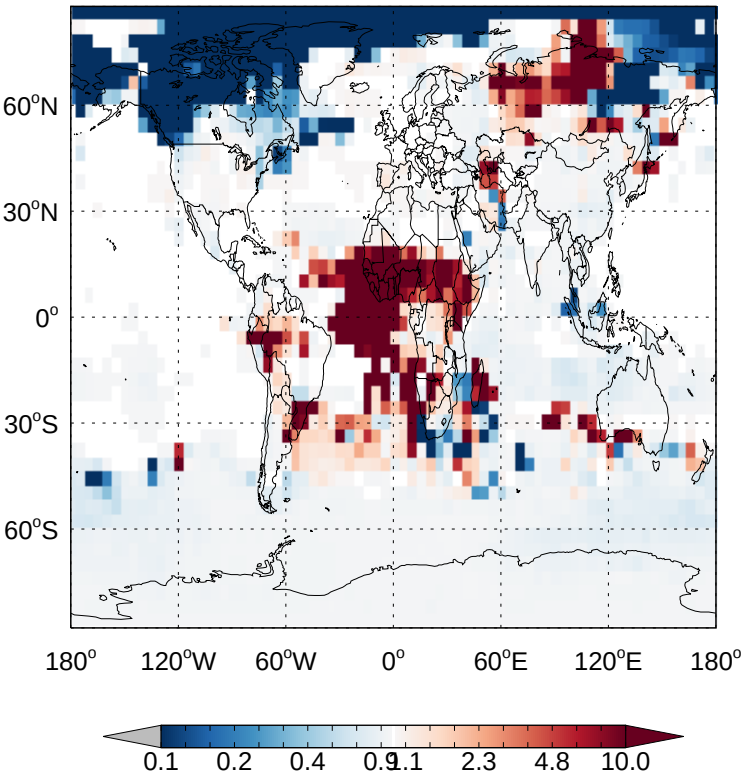
GC_12.0.0 / v11-02f-Run1

NIT / Ratio @ Surface for Jul



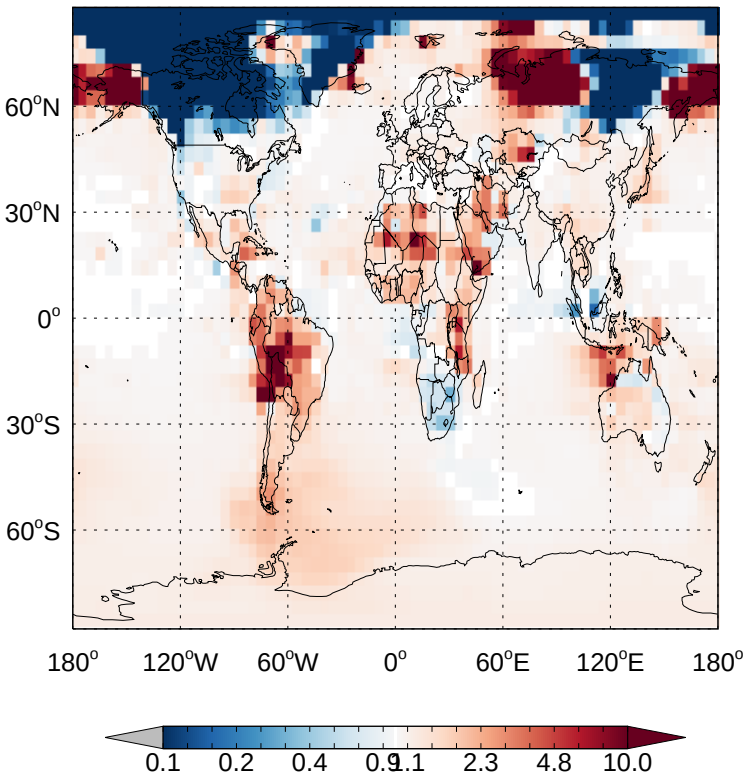
GC_12.0.0 / v11-02f-Run1

NIT/ Ratio @ 500 hPa for Jul



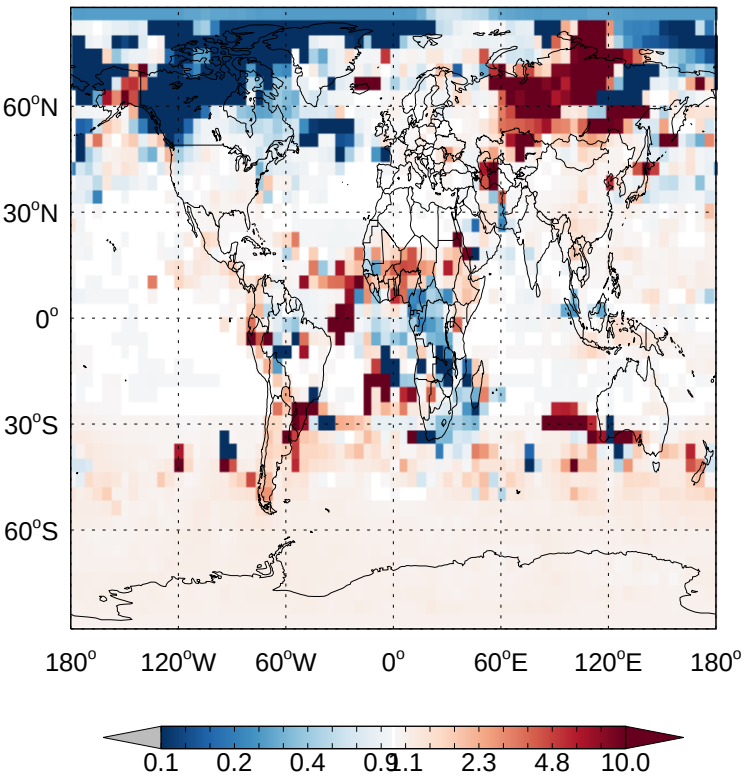
GC_12.0.0 / v11-02e-Run1

NIT / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

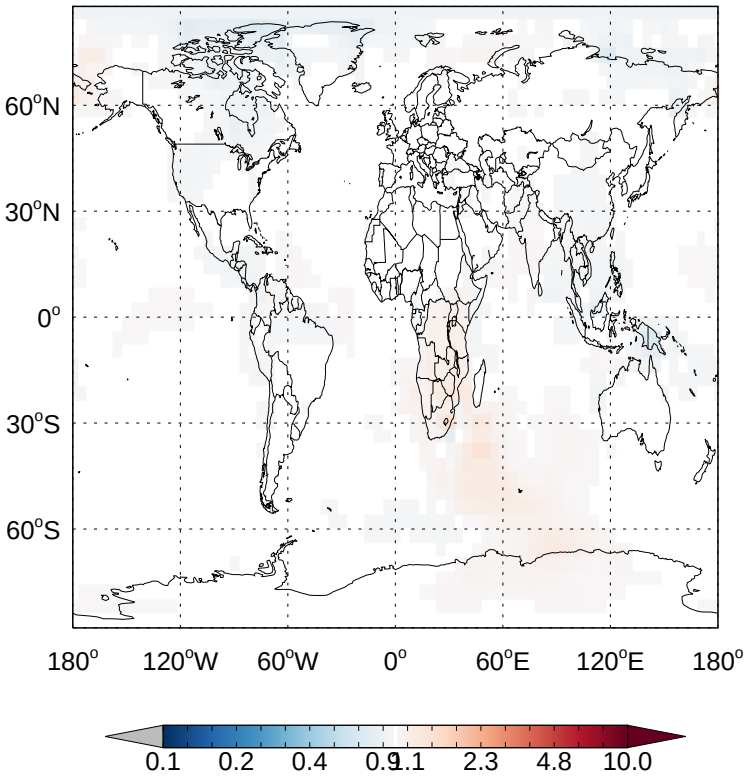
NIT/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

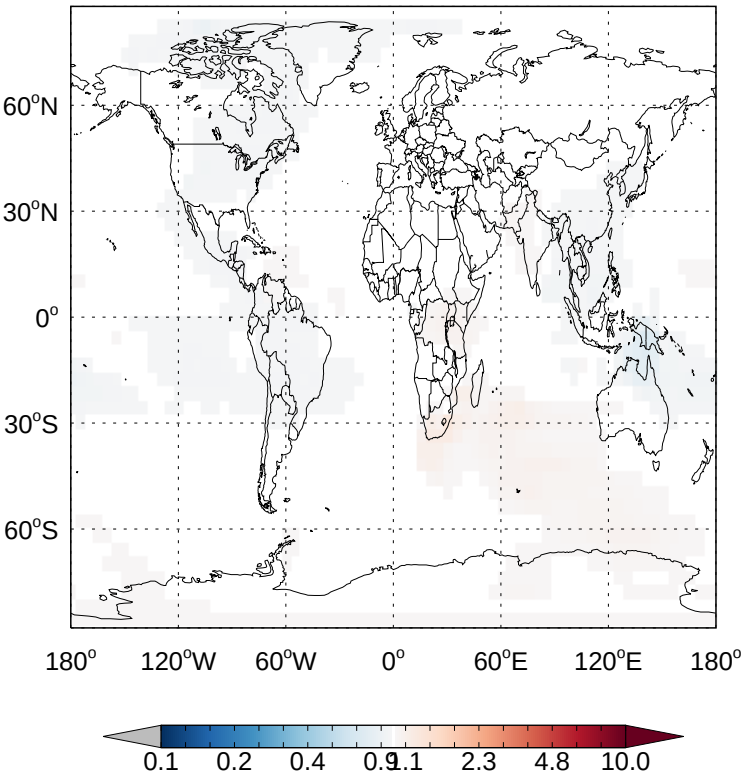
GC_12.0.0 / v11-02f-Run1

NITs / Ratio @ Surface for Jul



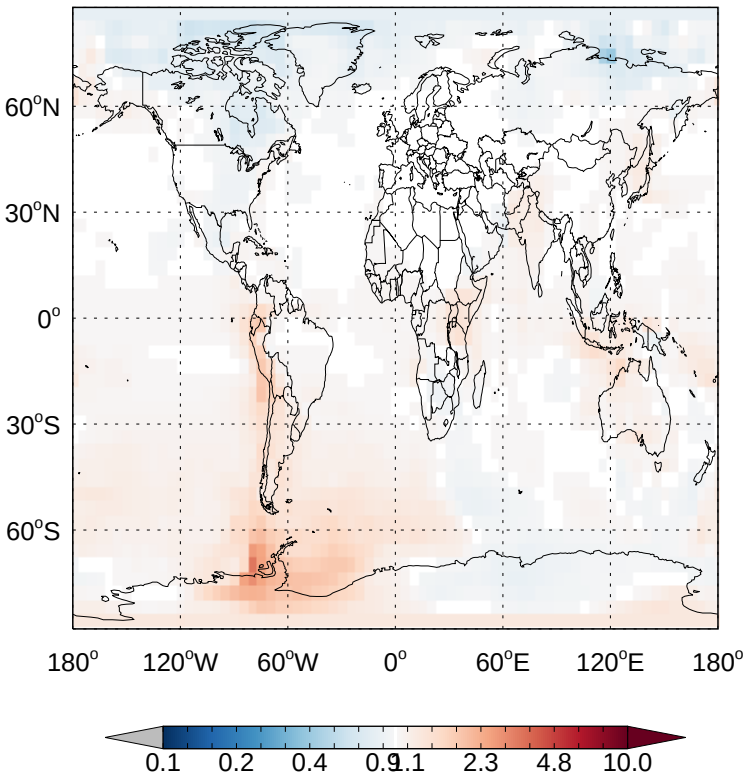
GC_12.0.0 / v11-02f-Run1

NITs/ Ratio @ 500 hPa for Jul



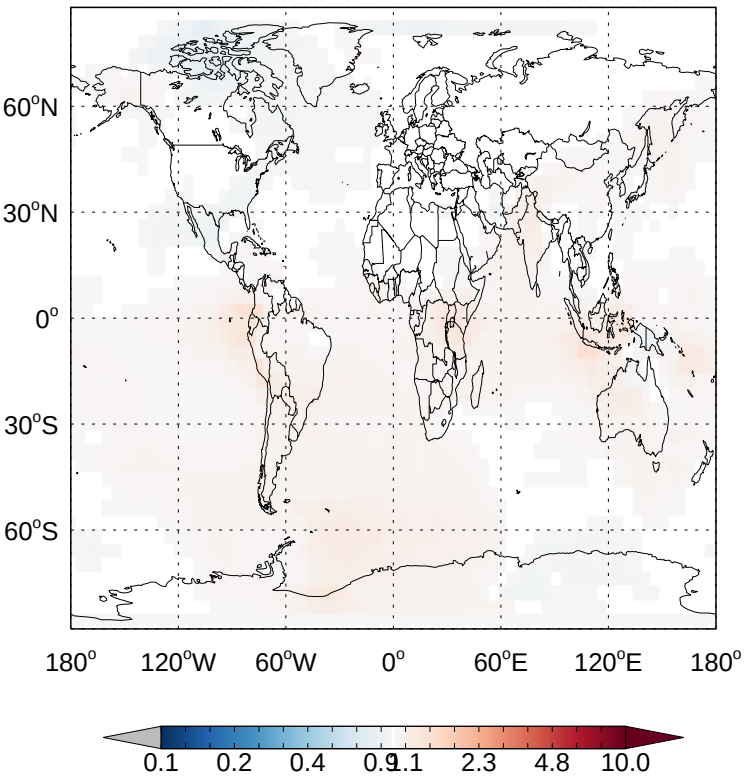
GC_12.0.0 / v11-02e-Run1

NITs / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

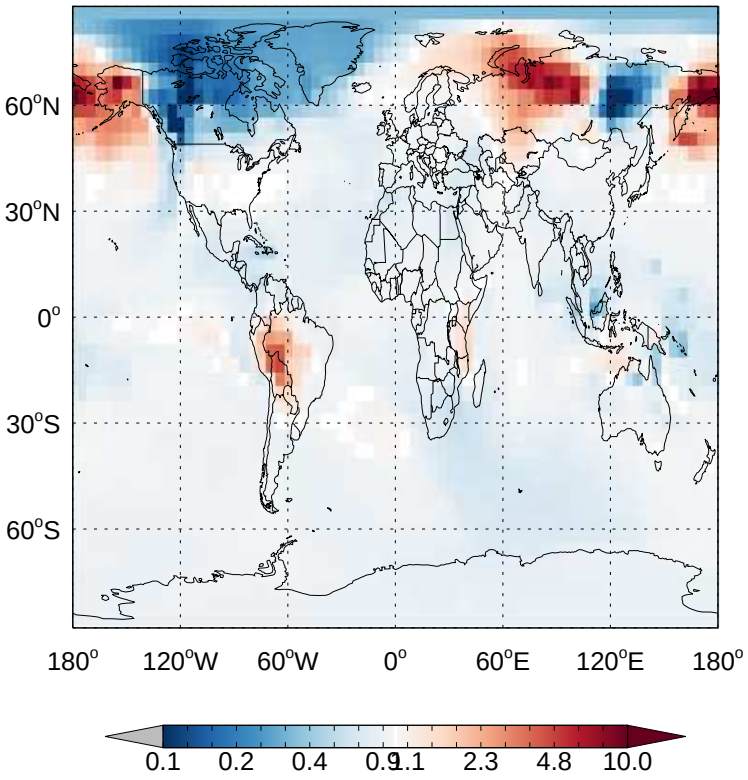
NITs/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

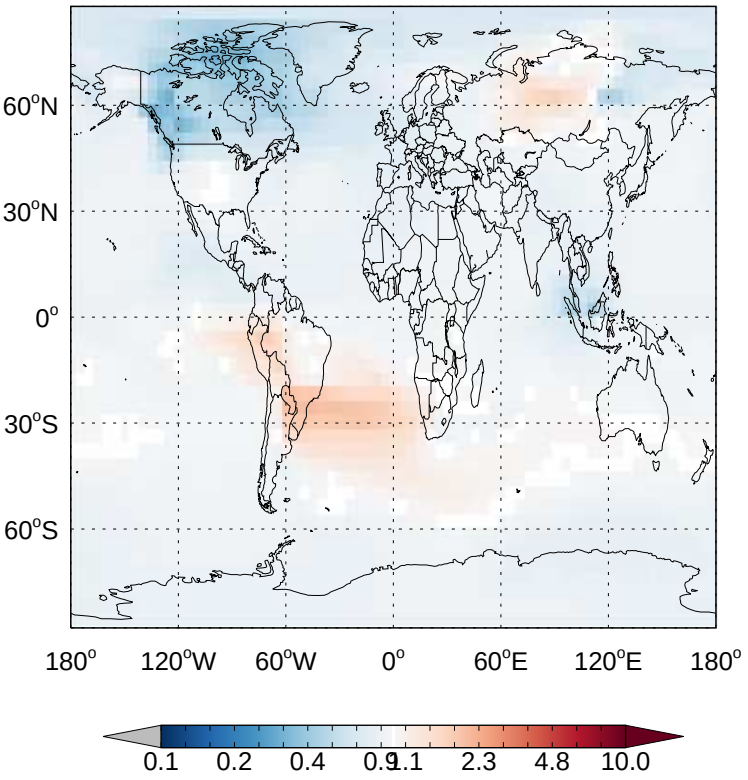
GC_12.0.0 / v11-02f-Run1

BCPI / Ratio @ Surface for Jul



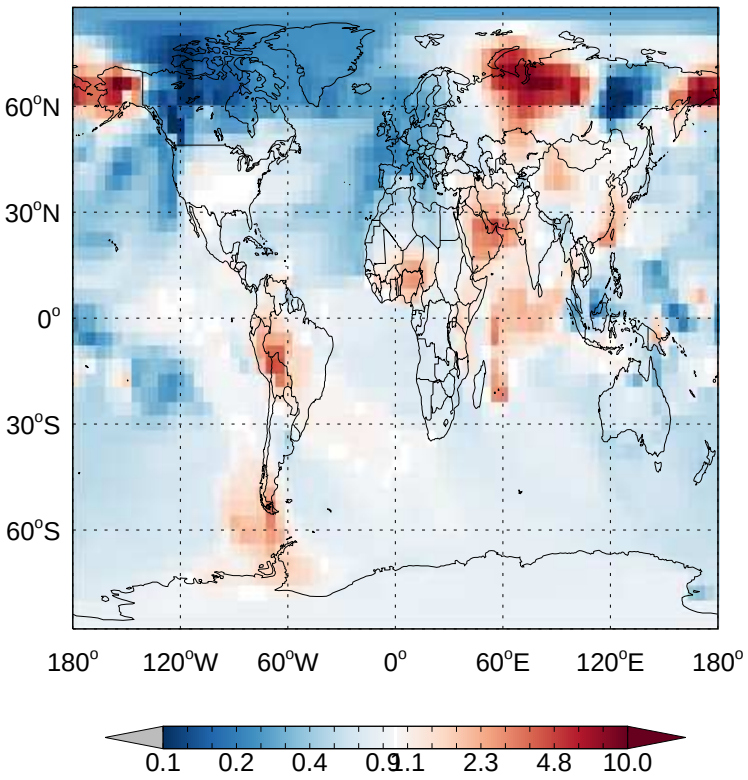
GC_12.0.0 / v11-02f-Run1

BCPI/ Ratio @ 500 hPa for Jul



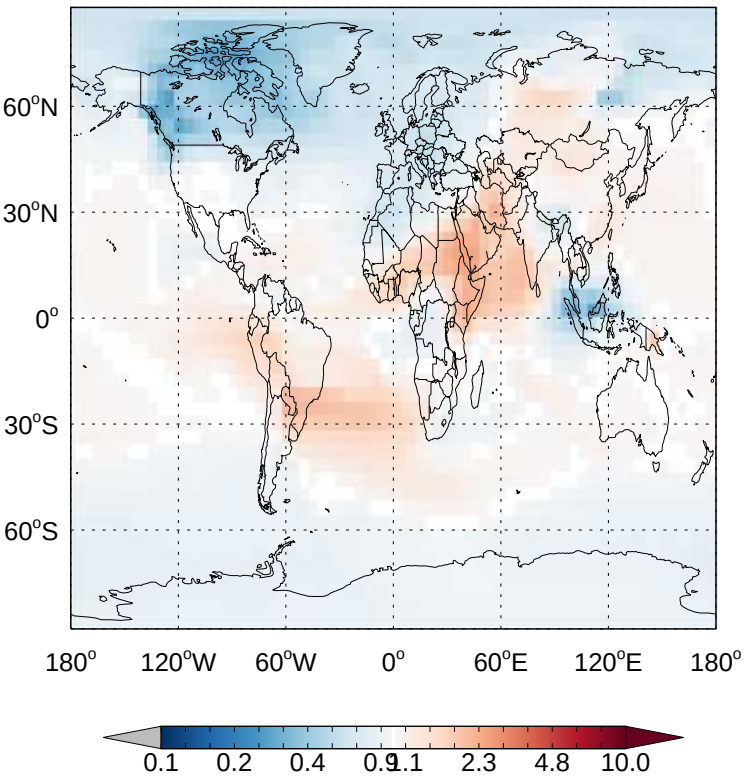
GC_12.0.0 / v11-02e-Run1

BCPI / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

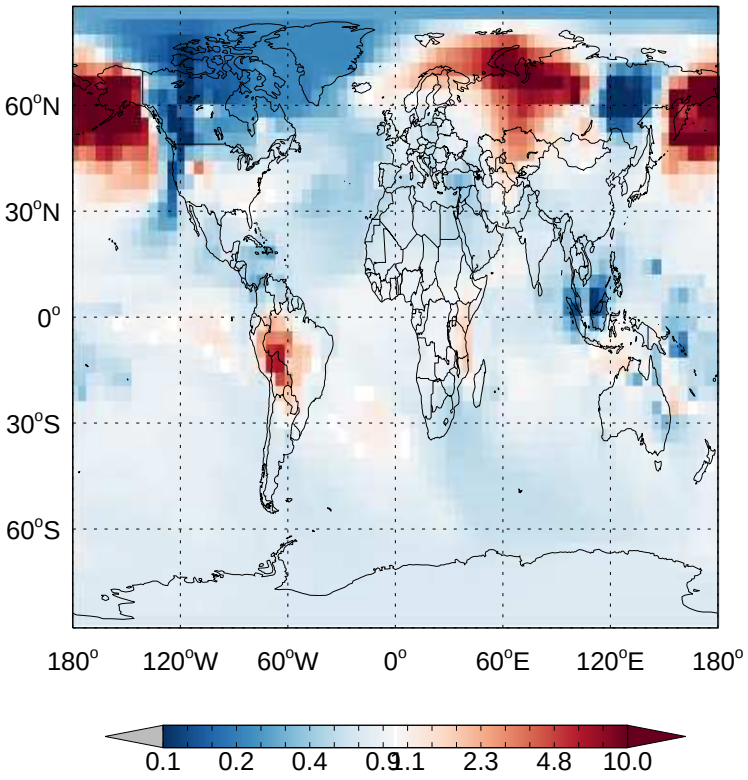
BCPI/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

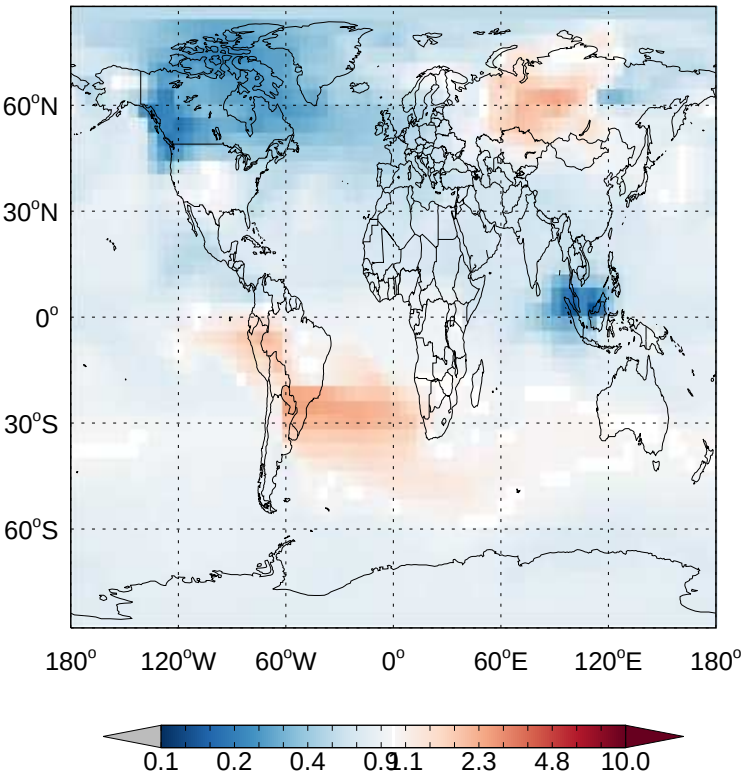
GC_12.0.0 / v11-02f-Run1

OCPI / Ratio @ Surface for Jul



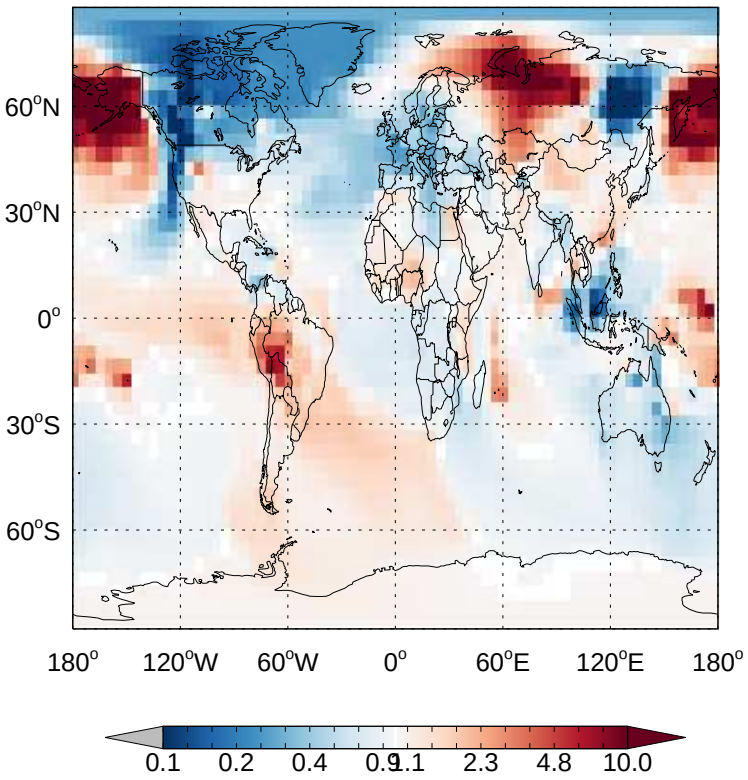
GC_12.0.0 / v11-02f-Run1

OCPI/ Ratio @ 500 hPa for Jul



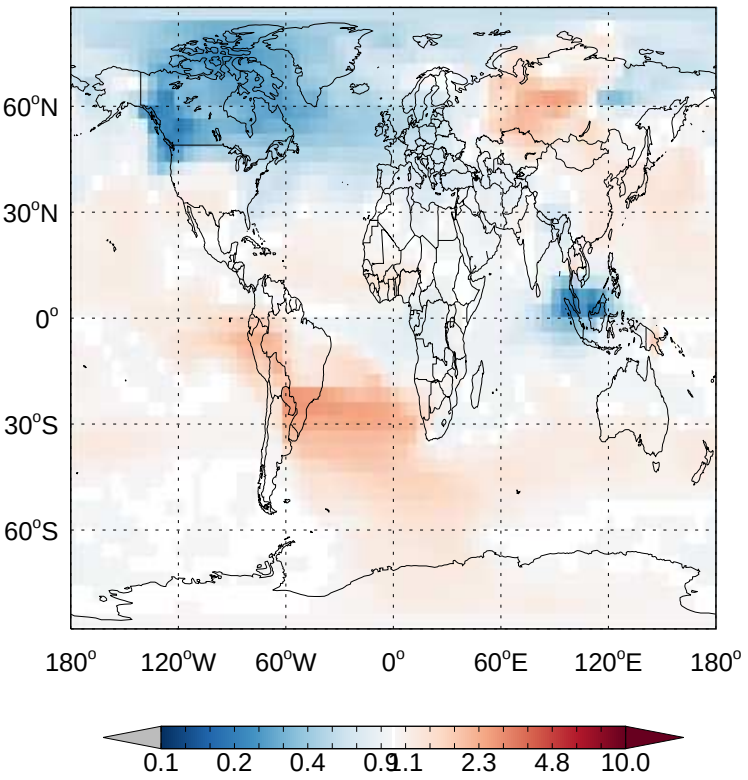
GC_12.0.0 / v11-02e-Run1

OCPI / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

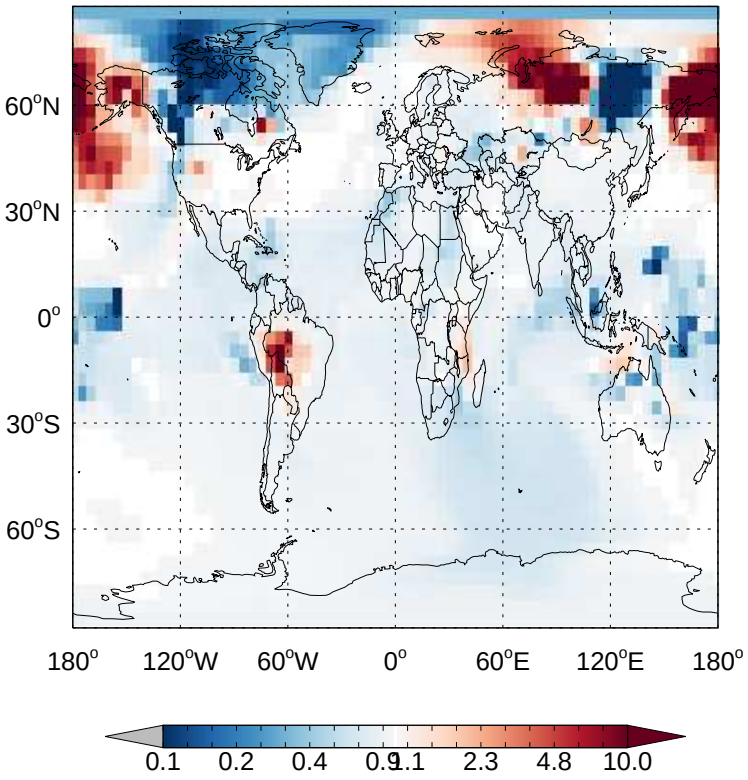
OCPI/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

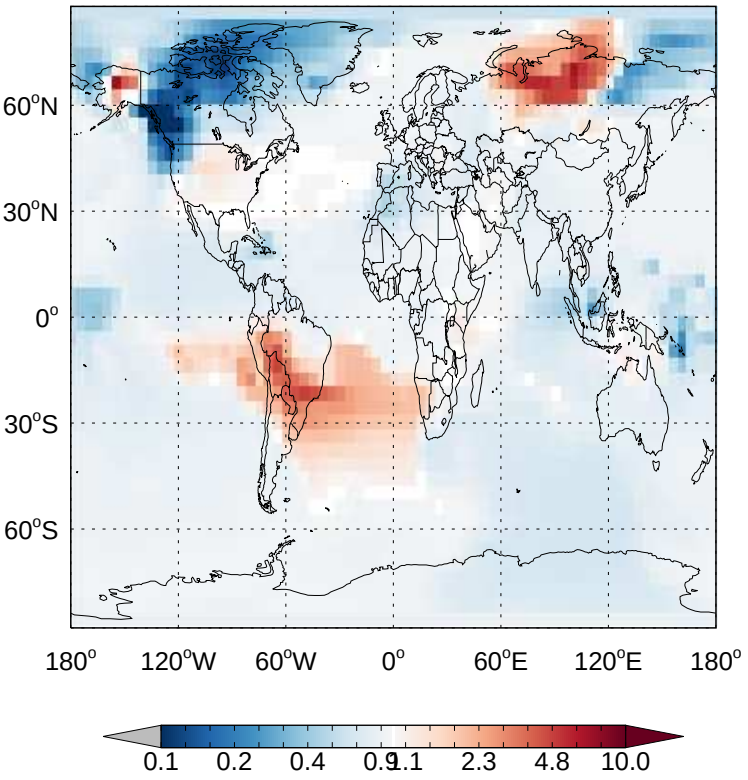
GC_12.0.0 / v11-02f-Run1

BCPO / Ratio @ Surface for Jul



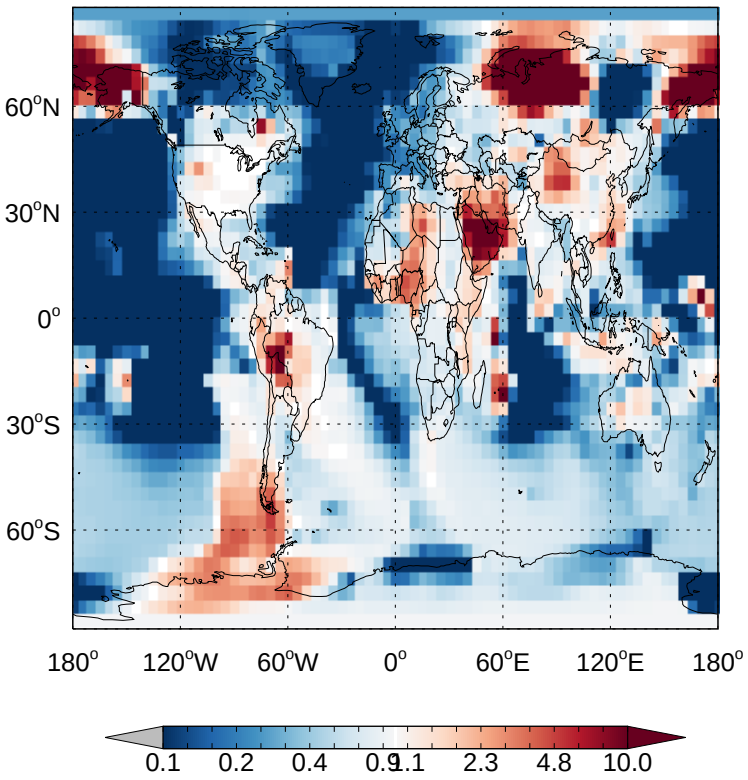
GC_12.0.0 / v11-02f-Run1

BCPO/ Ratio @ 500 hPa for Jul



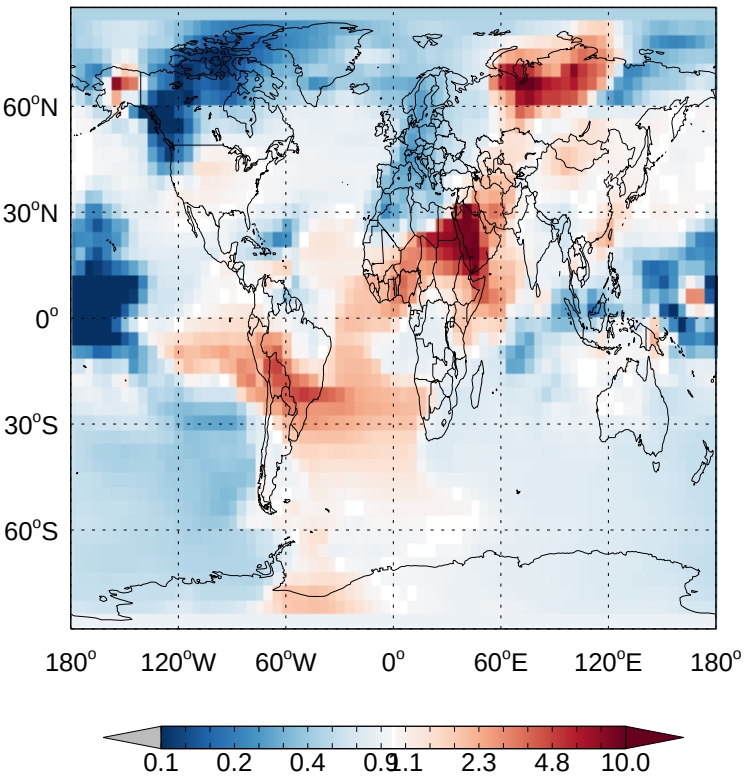
GC_12.0.0 / v11-02e-Run1

BCPO / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

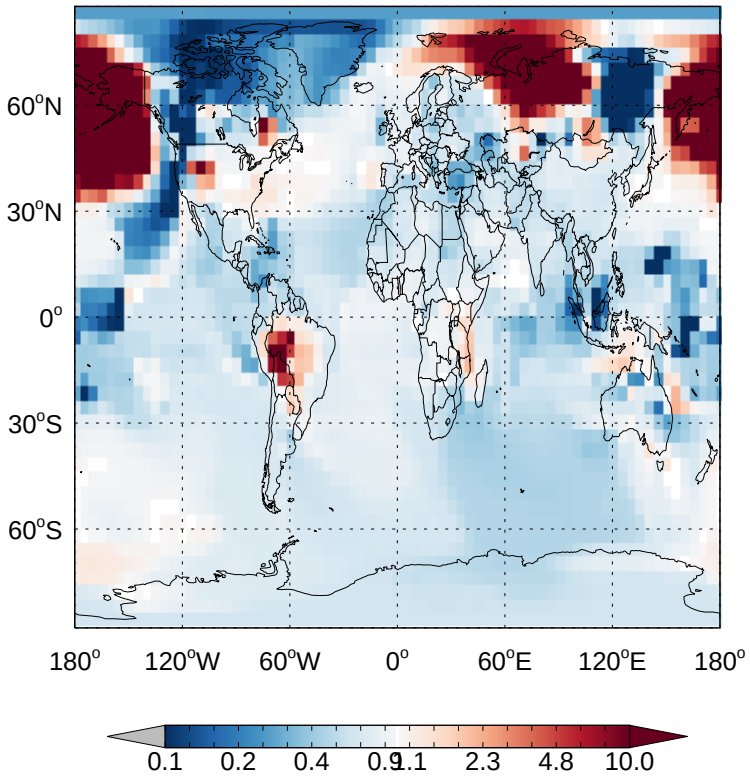
BCPO/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

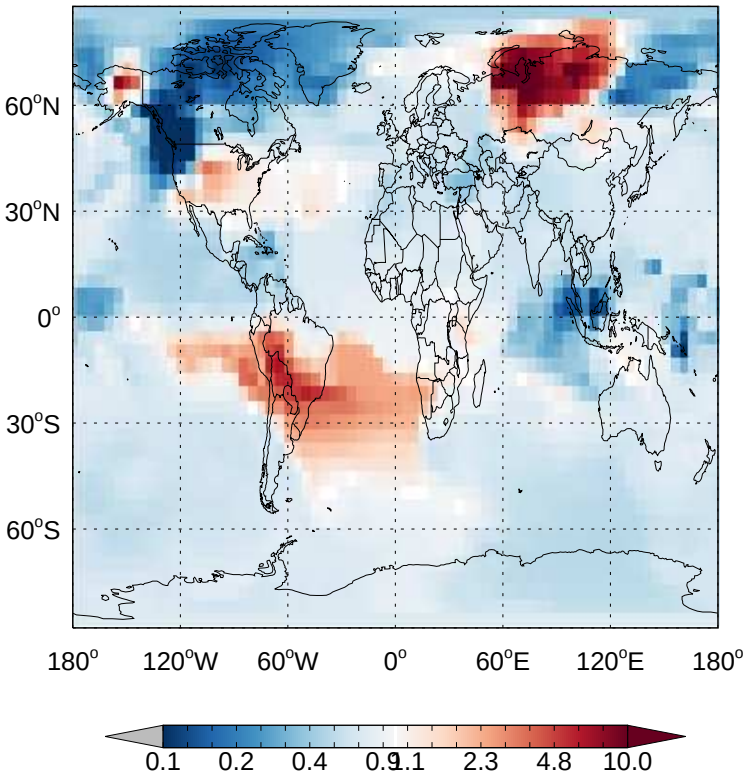
GC_12.0.0 / v11-02f-Run1

OCPO / Ratio @ Surface for Jul



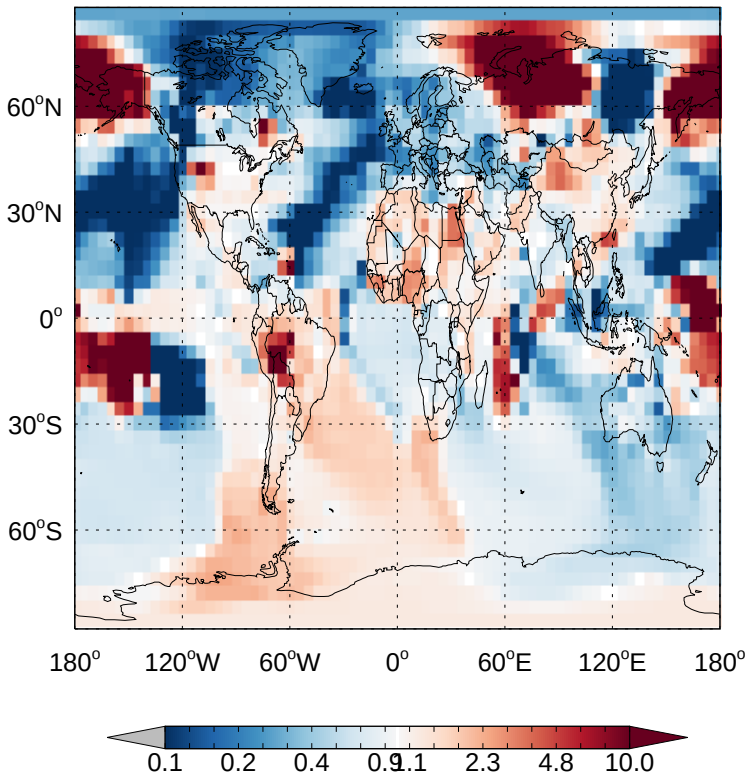
GC_12.0.0 / v11-02f-Run1

OCPO/ Ratio @ 500 hPa for Jul



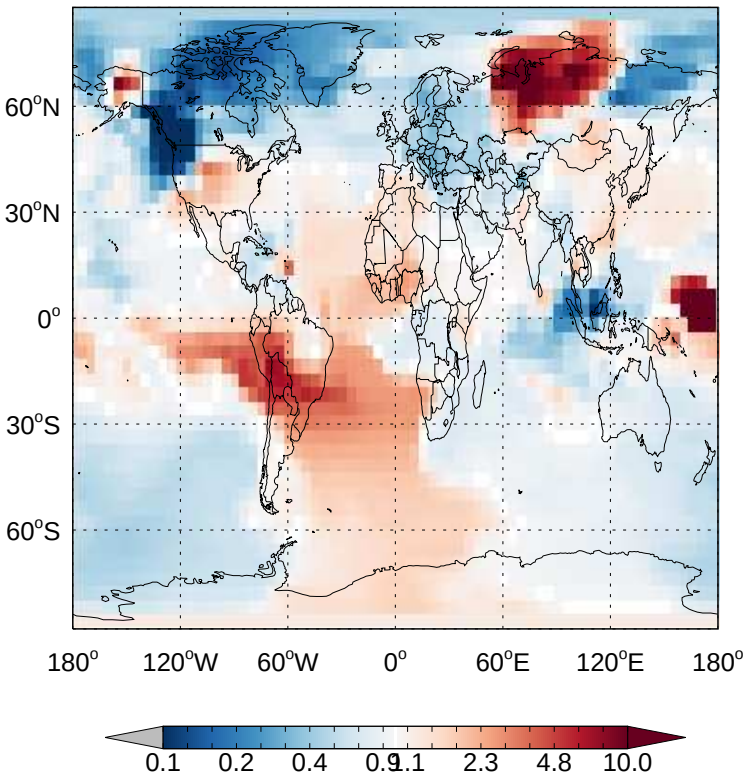
GC_12.0.0 / v11-02e-Run1

OCPO / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

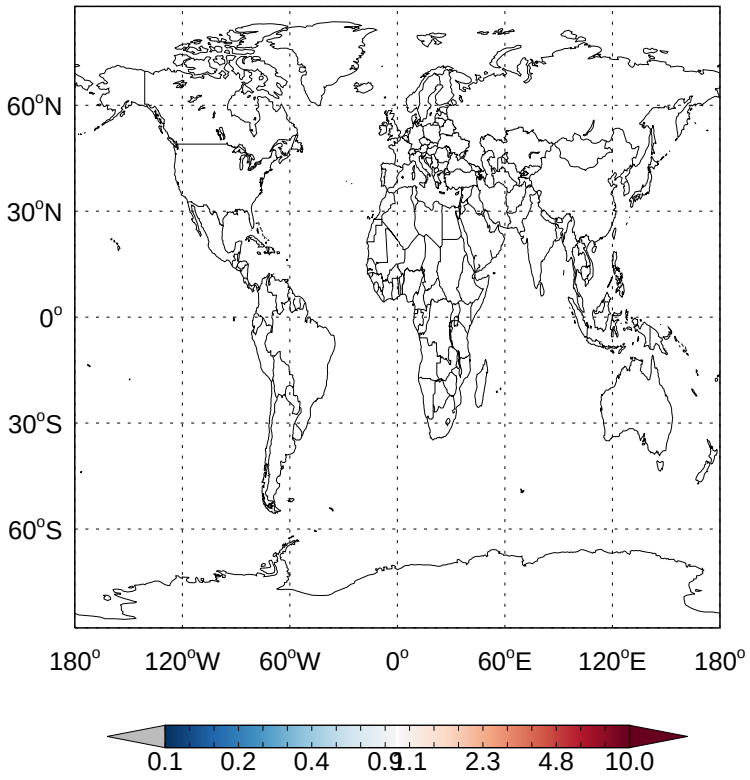
OCPO/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

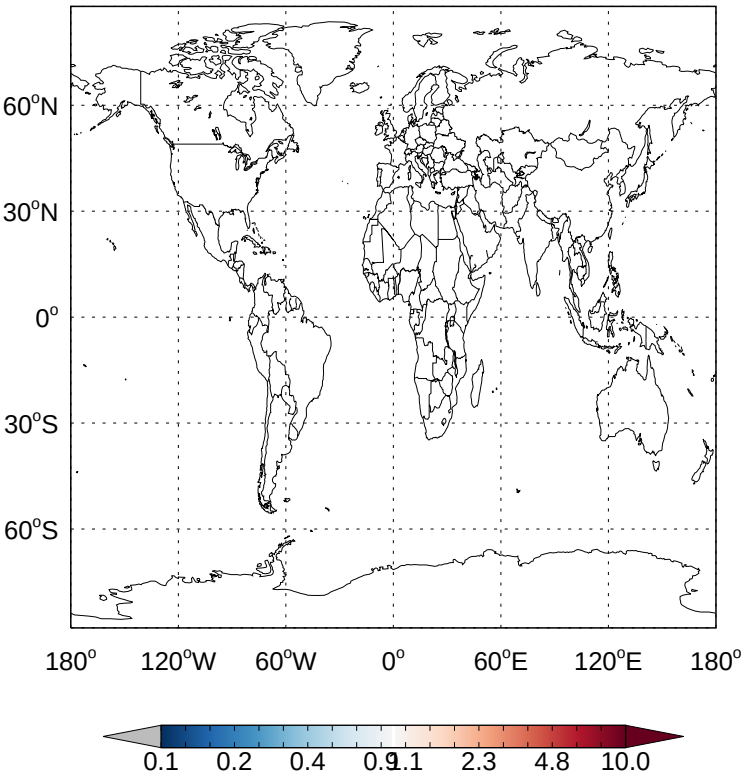
GC_12.0.0 / v11-02f-Run1

DST1 / Ratio @ Surface for Jul



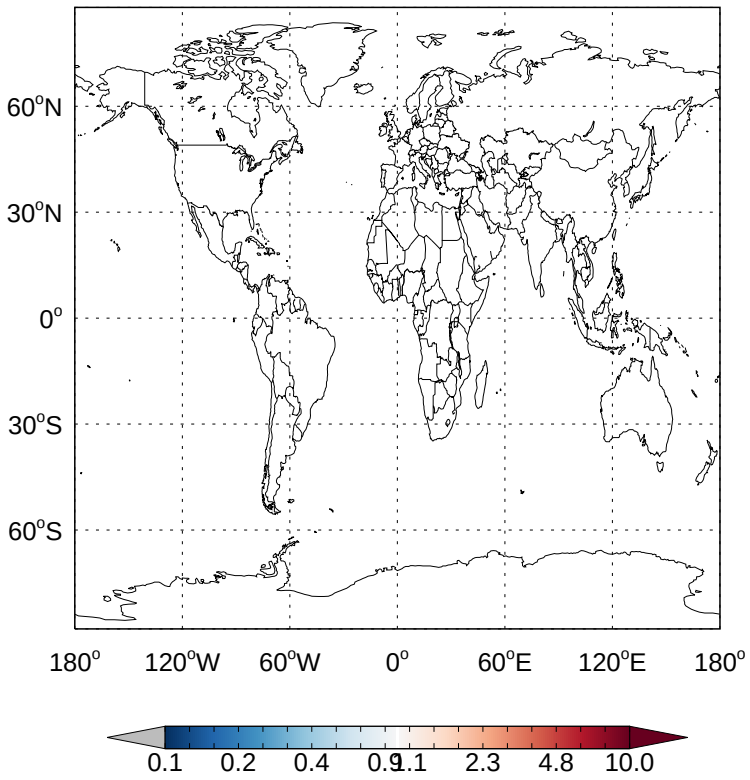
GC_12.0.0 / v11-02f-Run1

DST1/ Ratio @ 500 hPa for Jul



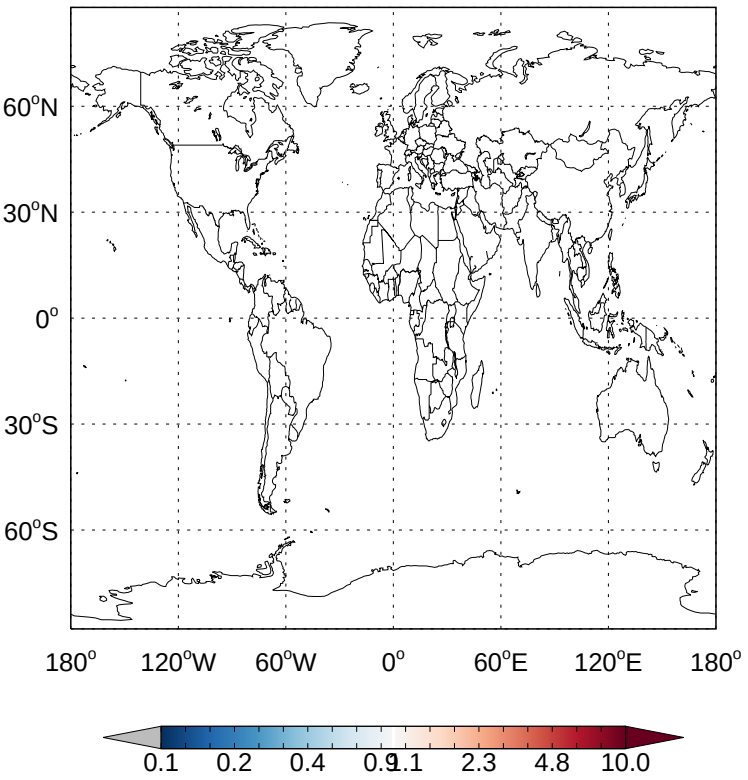
GC_12.0.0 / v11-02e-Run1

DST1 / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

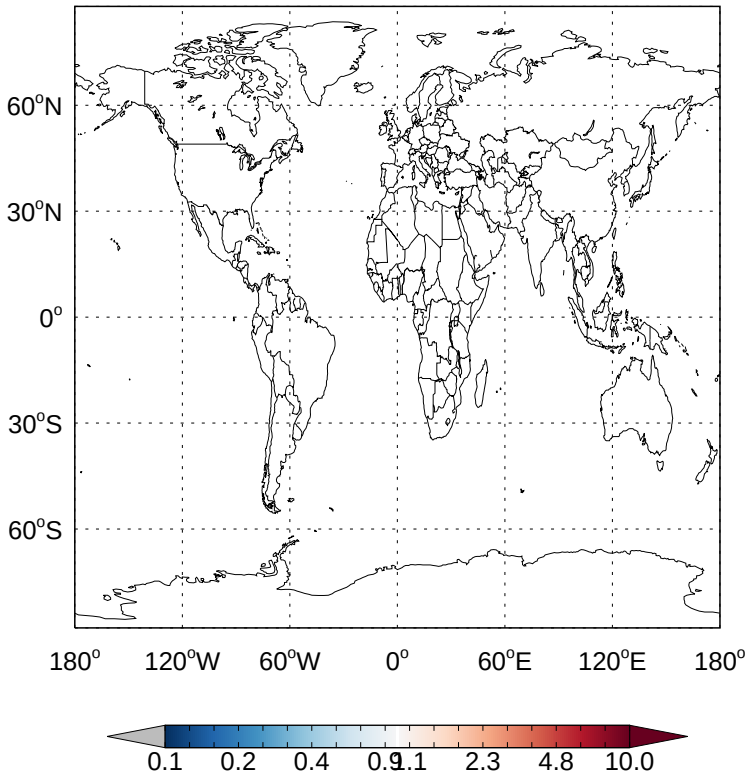
DST1/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

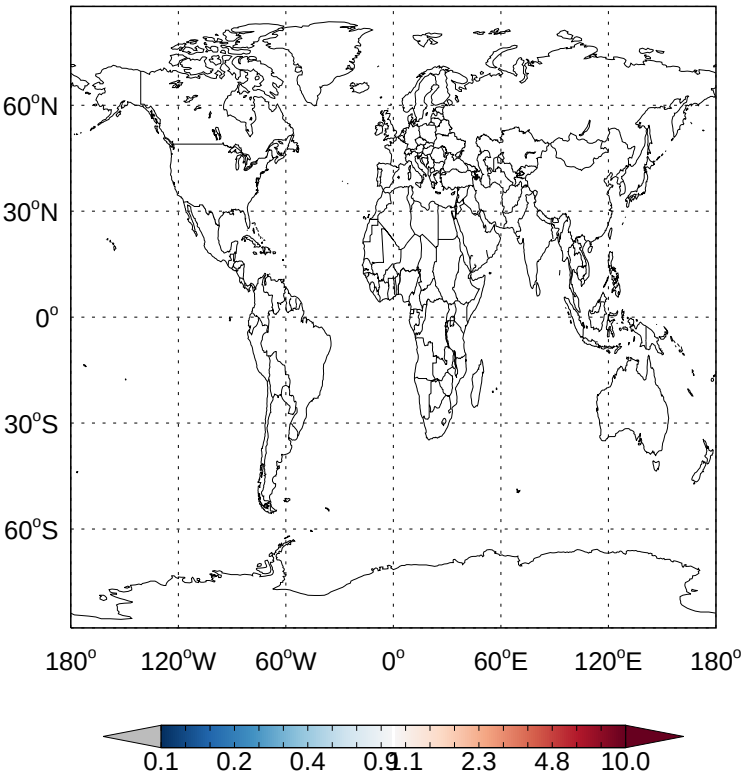
GC_12.0.0 / v11-02f-Run1

DST2 / Ratio @ Surface for Jul



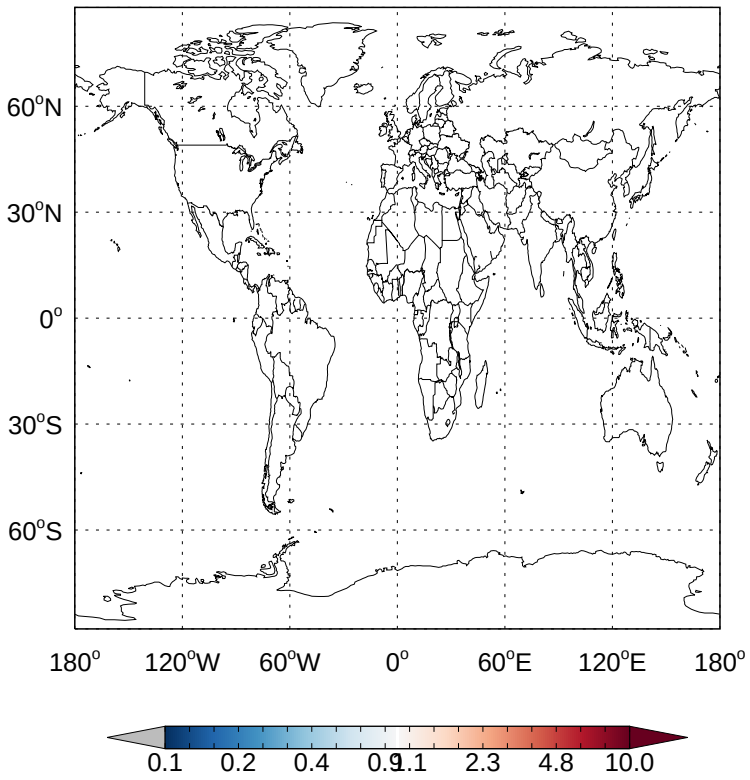
GC_12.0.0 / v11-02f-Run1

DST2/ Ratio @ 500 hPa for Jul



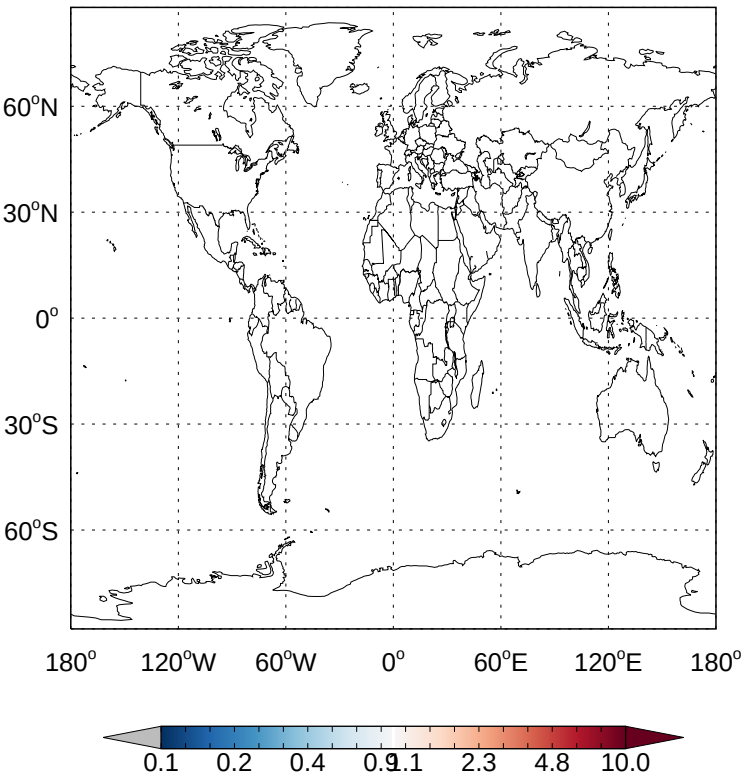
GC_12.0.0 / v11-02e-Run1

DST2 / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

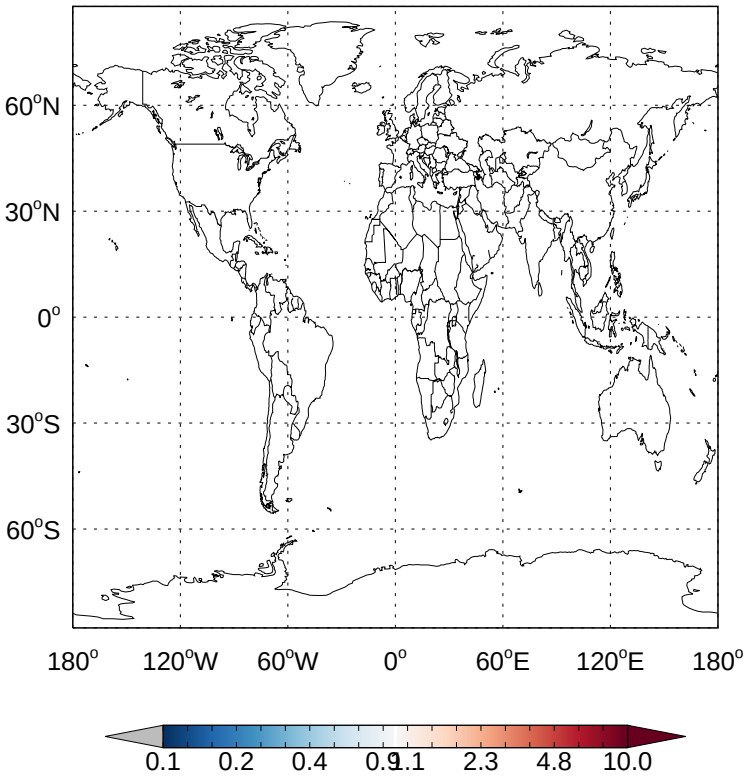
DST2/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

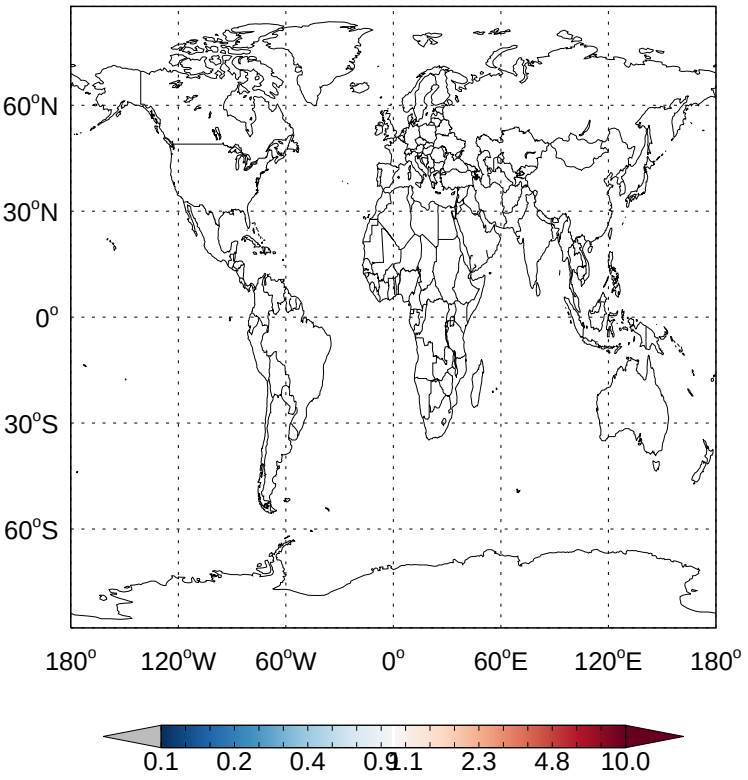
GC_12.0.0 / v11-02f-Run1

DST3 / Ratio @ Surface for Jul



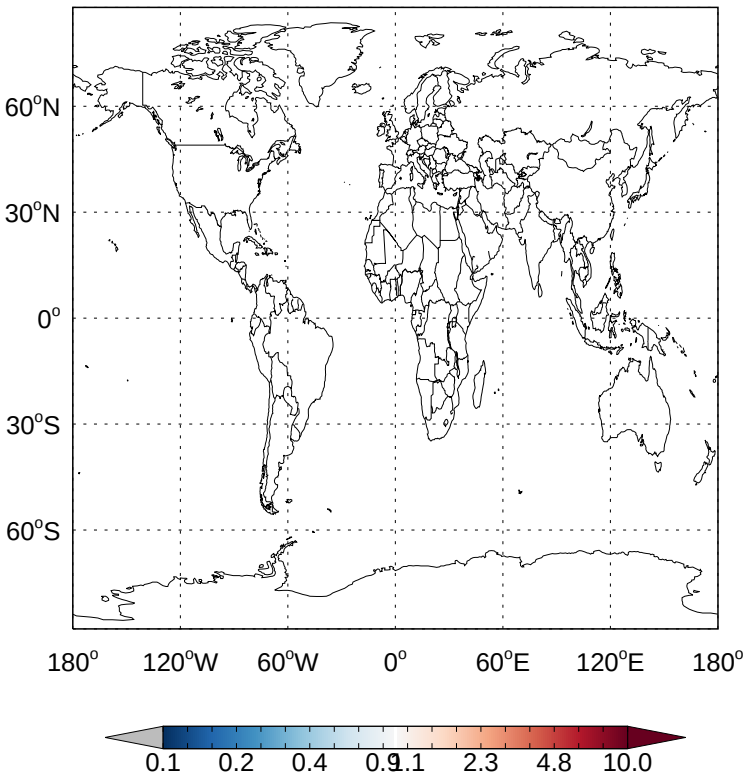
GC_12.0.0 / v11-02f-Run1

DST3/ Ratio @ 500 hPa for Jul



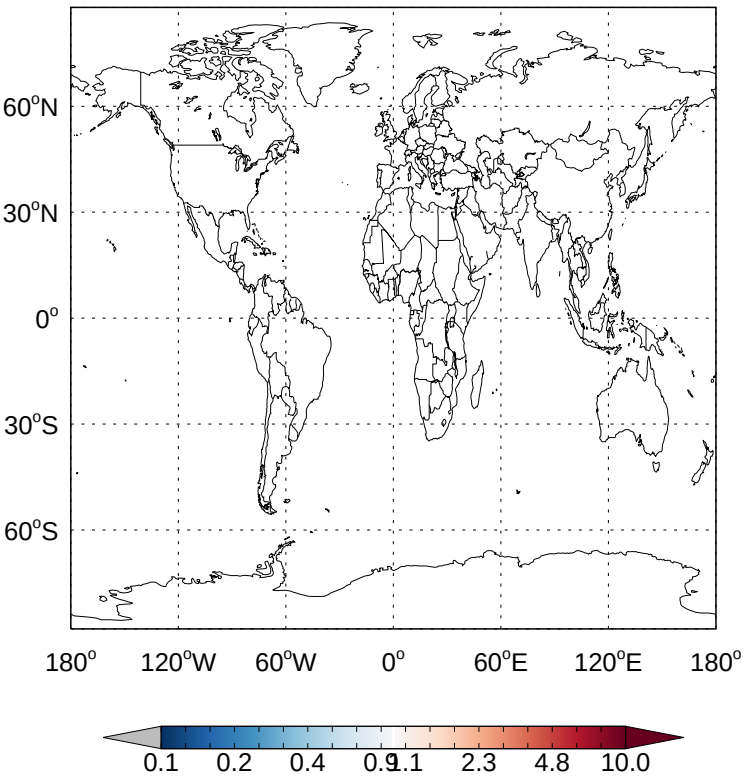
GC_12.0.0 / v11-02e-Run1

DST3 / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

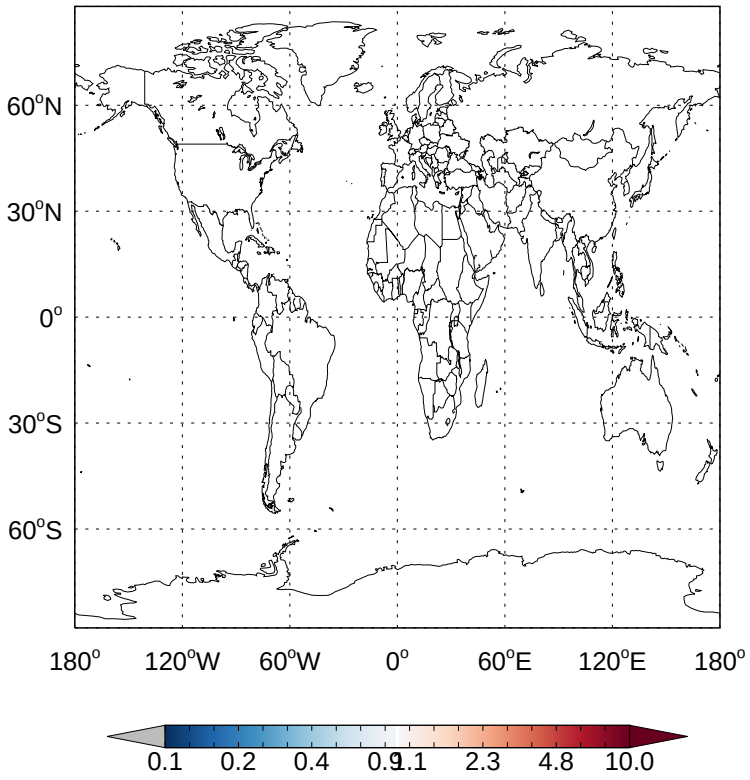
DST3/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

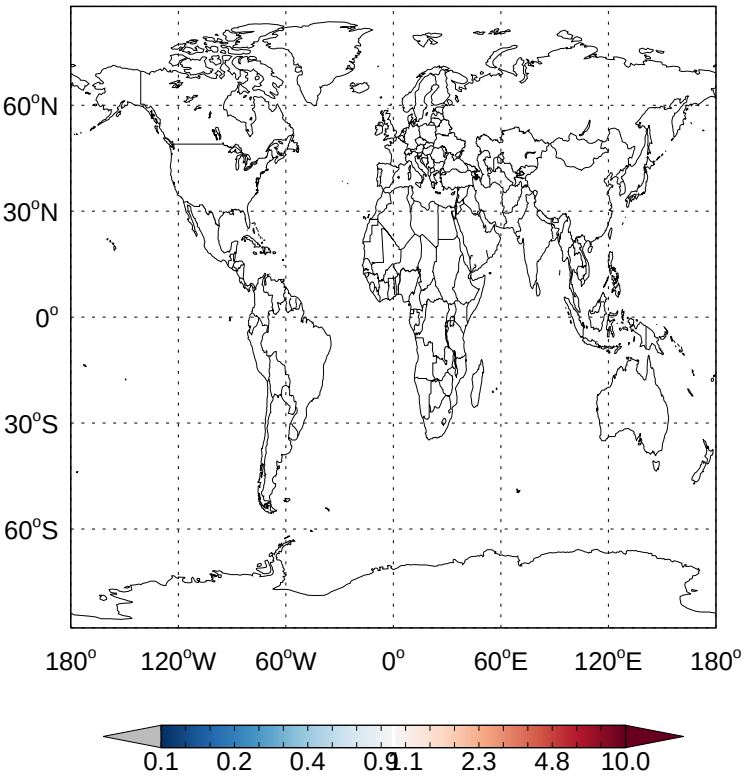
GC_12.0.0 / v11-02f-Run1

DST4 / Ratio @ Surface for Jul



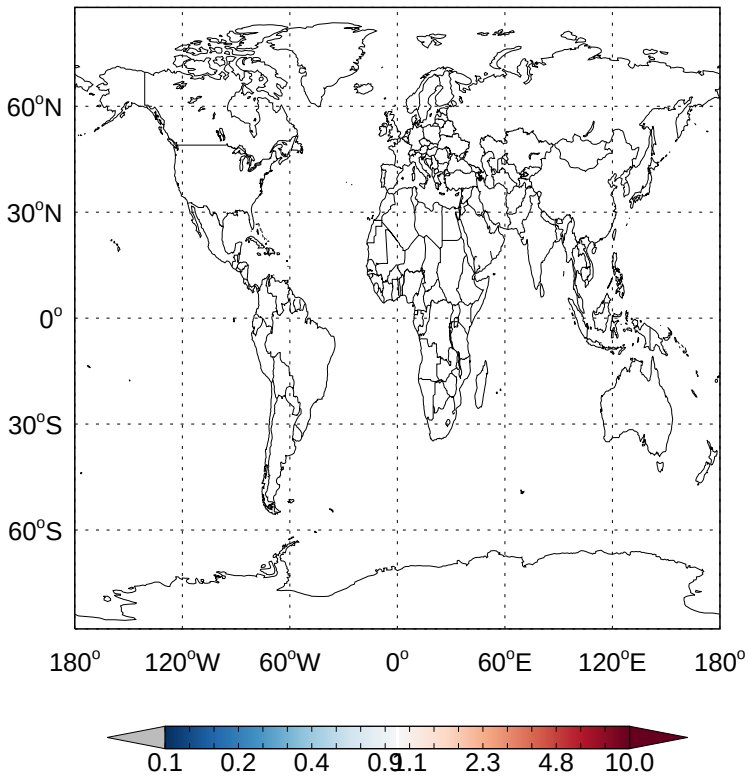
GC_12.0.0 / v11-02f-Run1

DST4/ Ratio @ 500 hPa for Jul



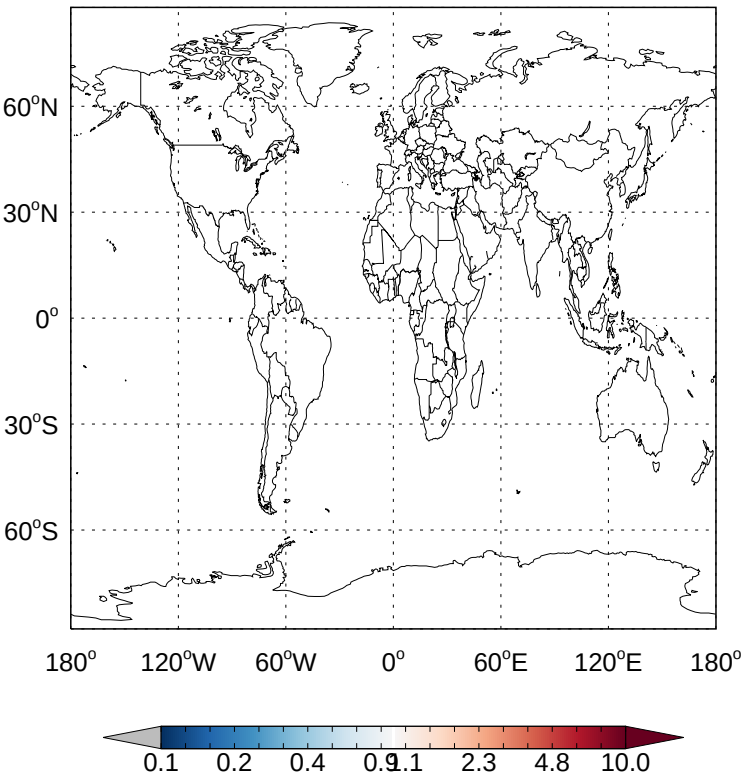
GC_12.0.0 / v11-02e-Run1

DST4 / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

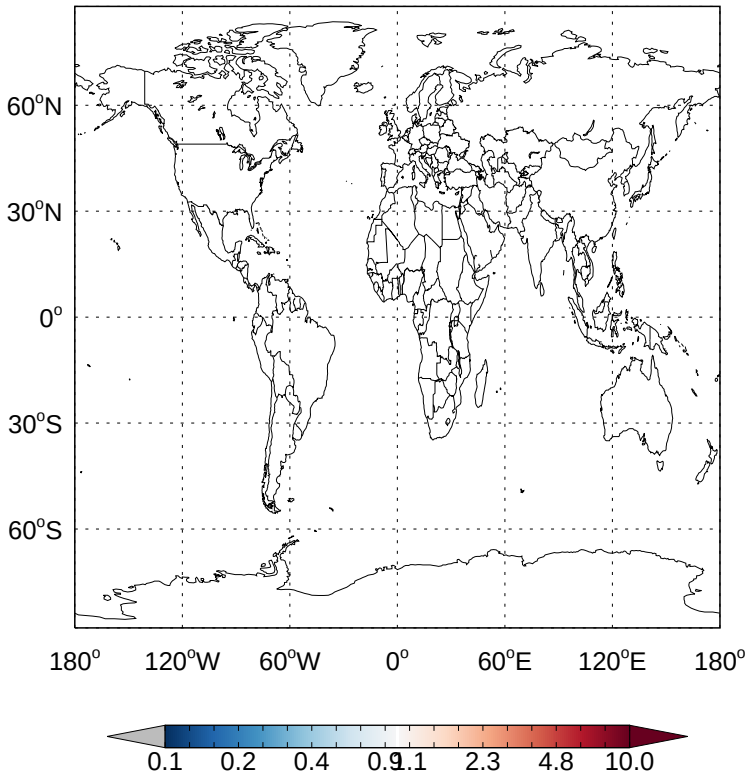
DST4/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

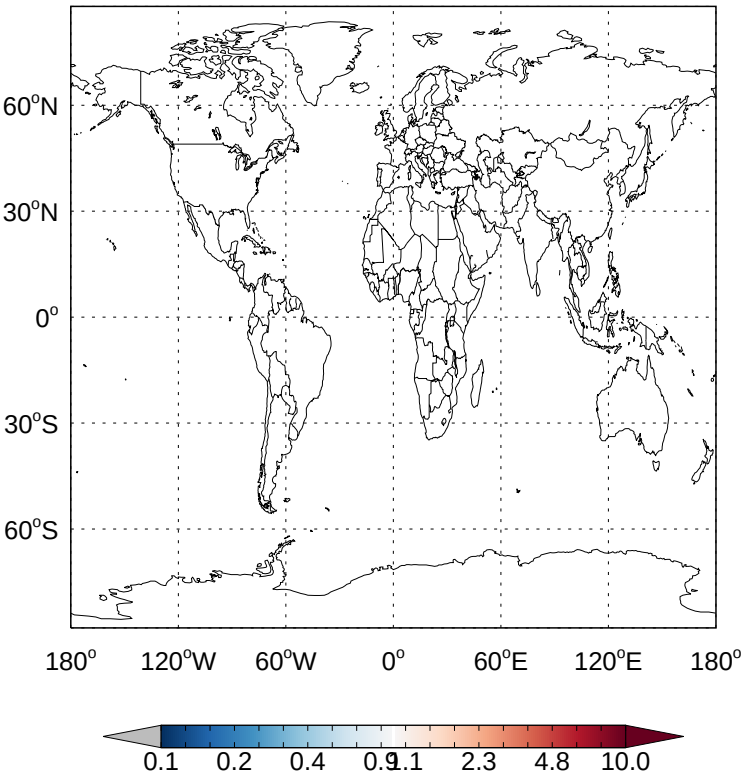
GC_12.0.0 / v11-02f-Run1

SALA / Ratio @ Surface for Jul



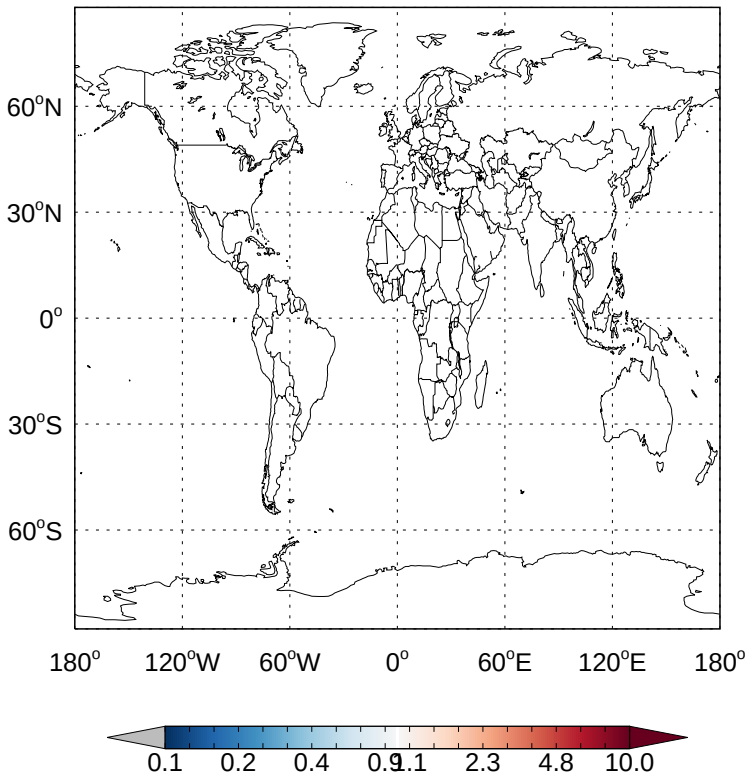
GC_12.0.0 / v11-02f-Run1

SALA/ Ratio @ 500 hPa for Jul



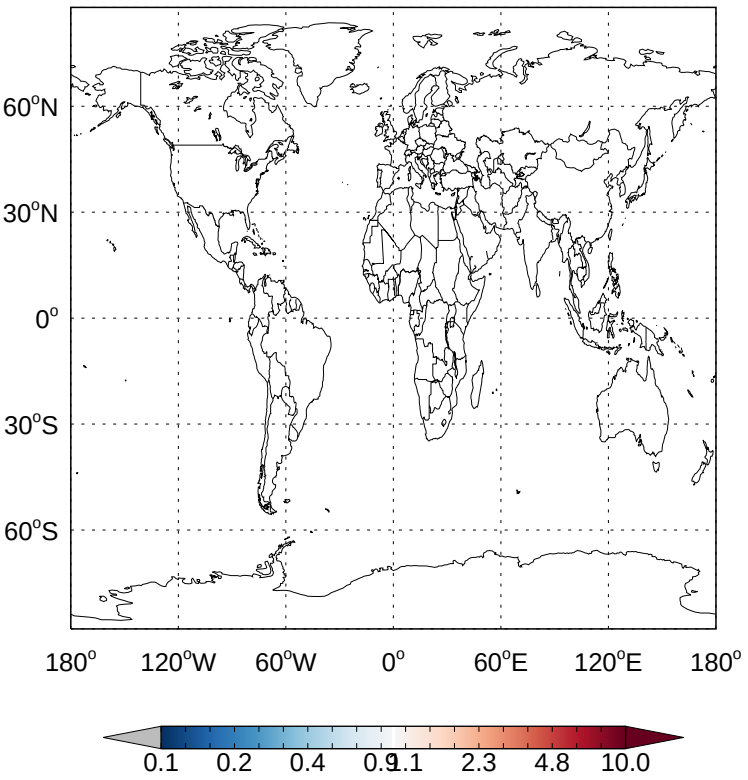
GC_12.0.0 / v11-02e-Run1

SALA / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

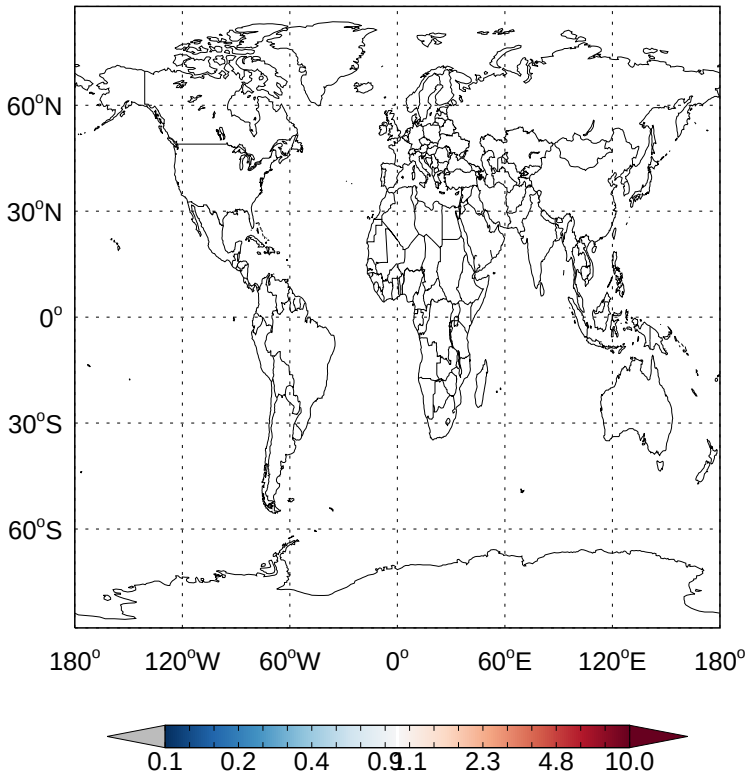
SALA/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

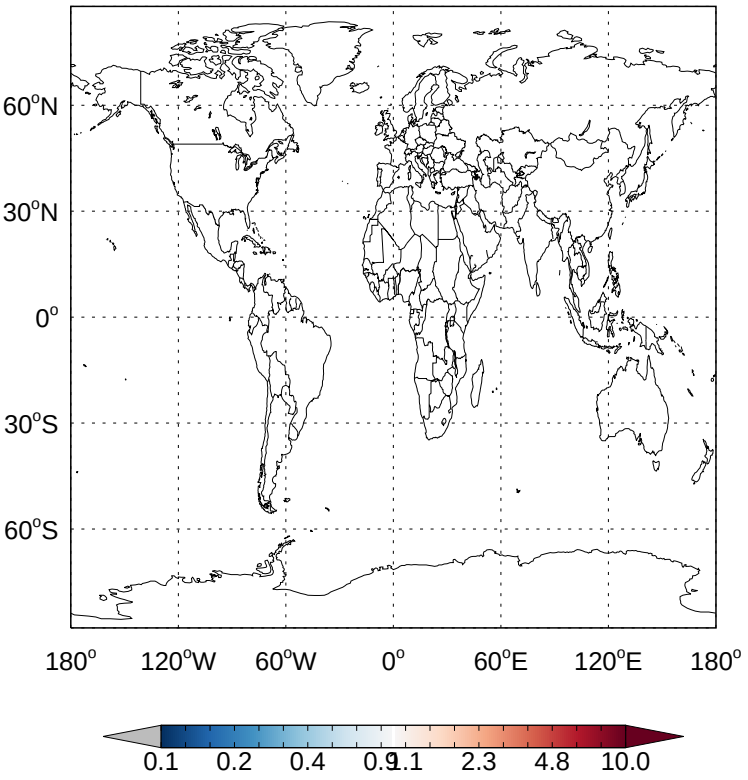
GC_12.0.0 / v11-02f-Run1

SALC / Ratio @ Surface for Jul



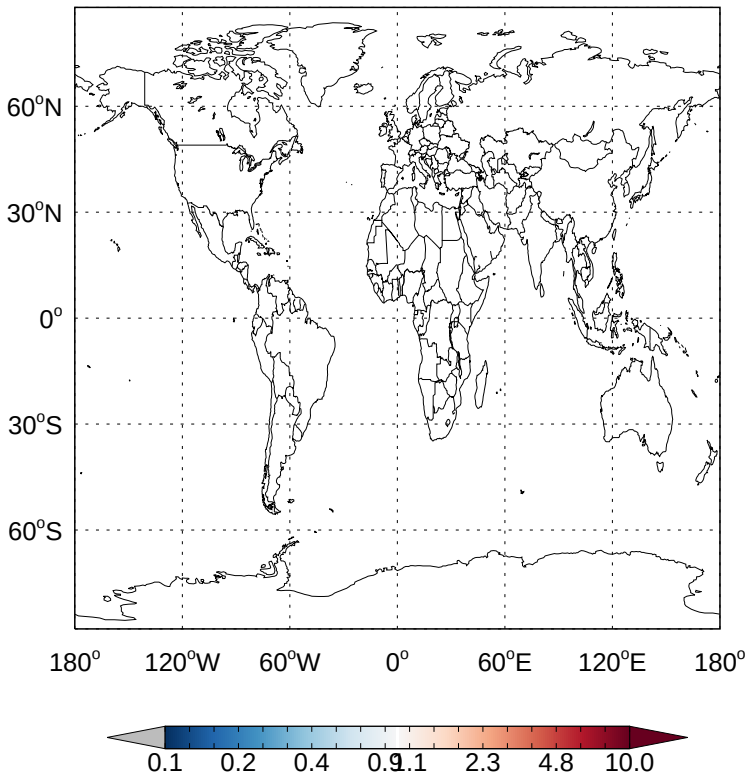
GC_12.0.0 / v11-02f-Run1

SALC/ Ratio @ 500 hPa for Jul



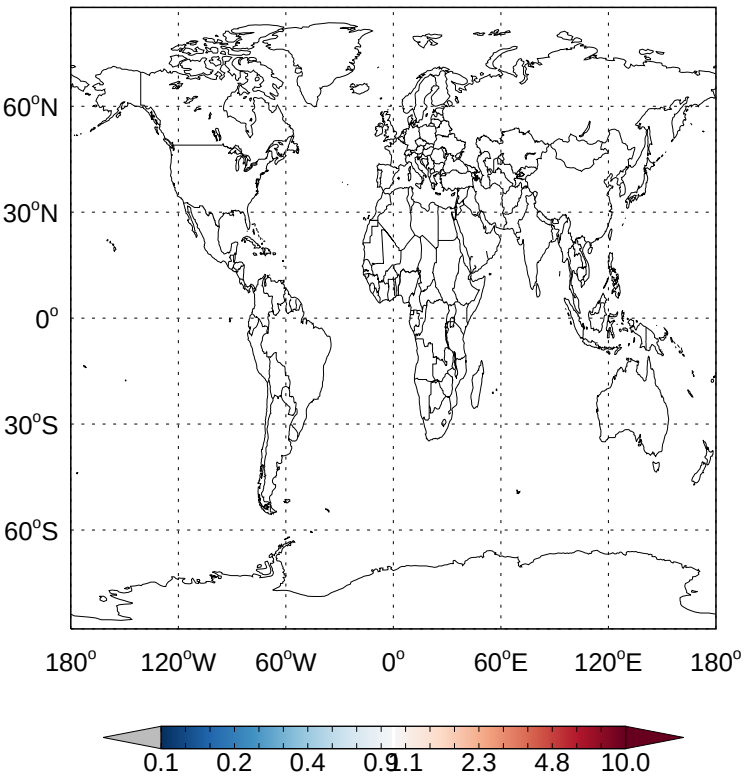
GC_12.0.0 / v11-02e-Run1

SALC / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

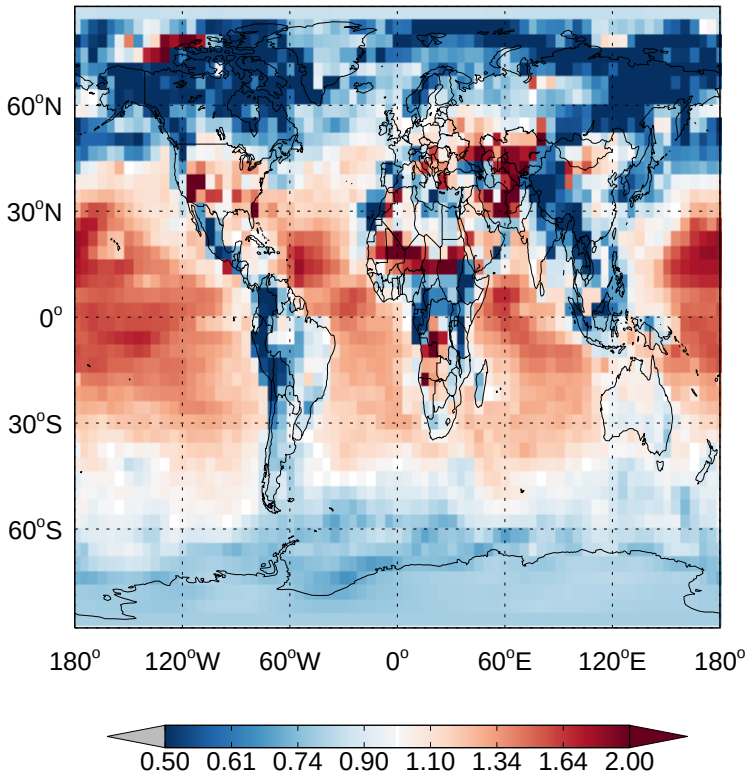
SALC/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

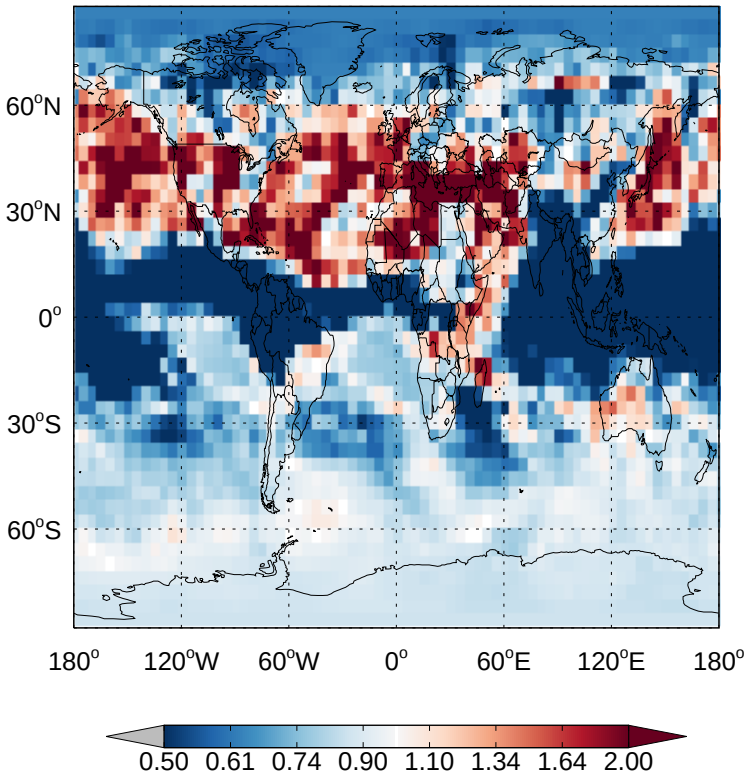
GC_12.0.0 / v11-02f-Run1

Br2 / Ratio @ Surface for Jul



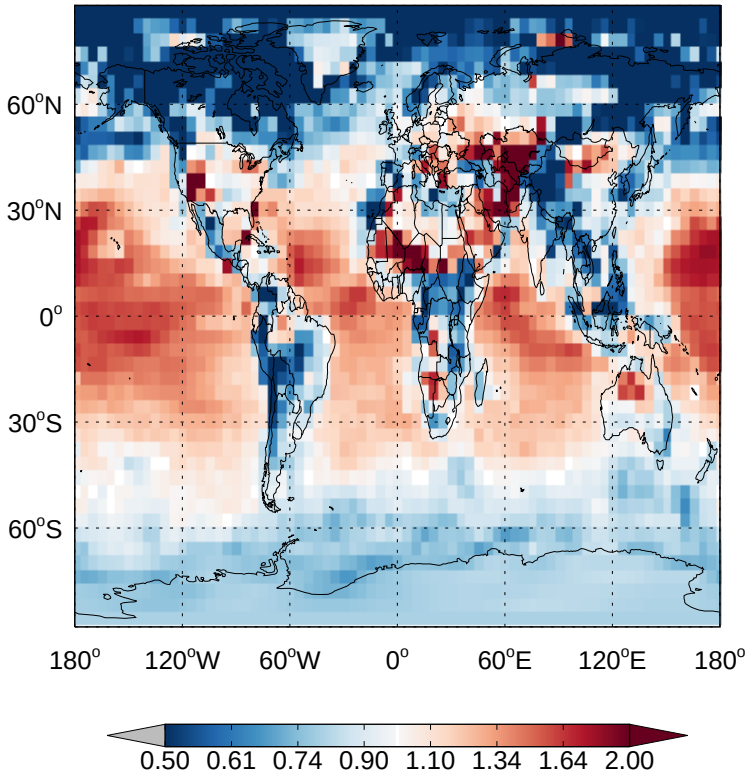
GC_12.0.0 / v11-02f-Run1

Br2/ Ratio @ 500 hPa for Jul



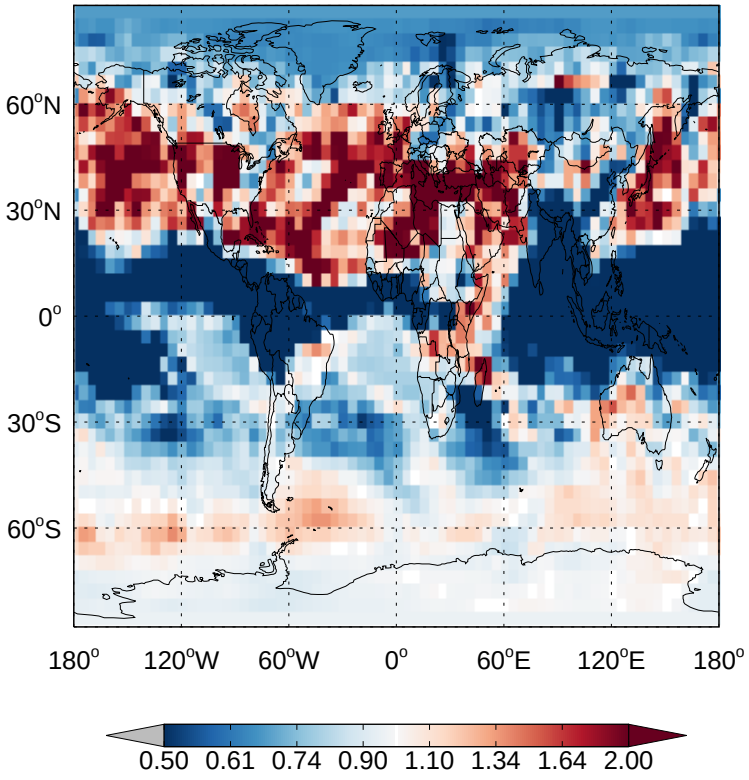
GC_12.0.0 / v11-02e-Run1

Br2 / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

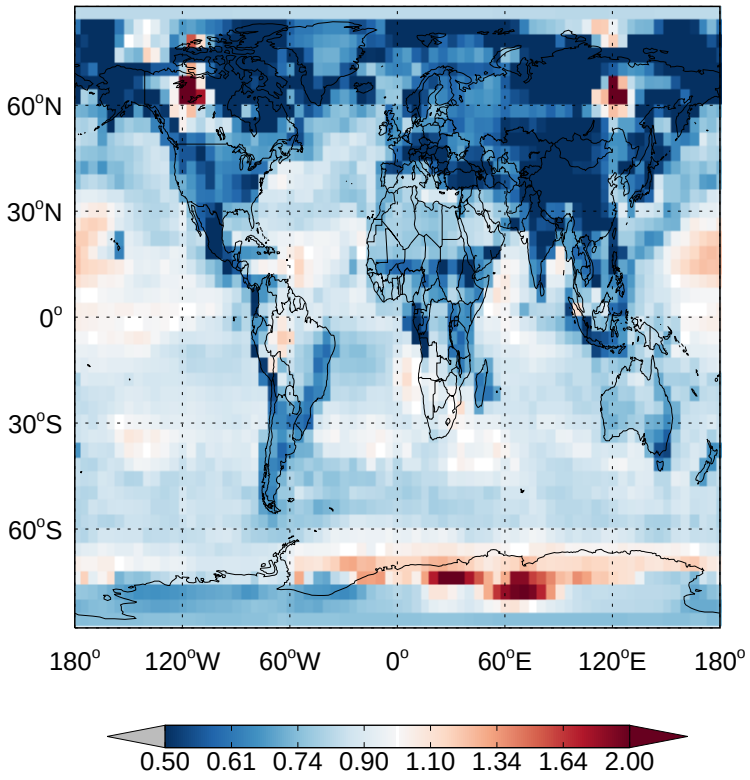
Br2/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

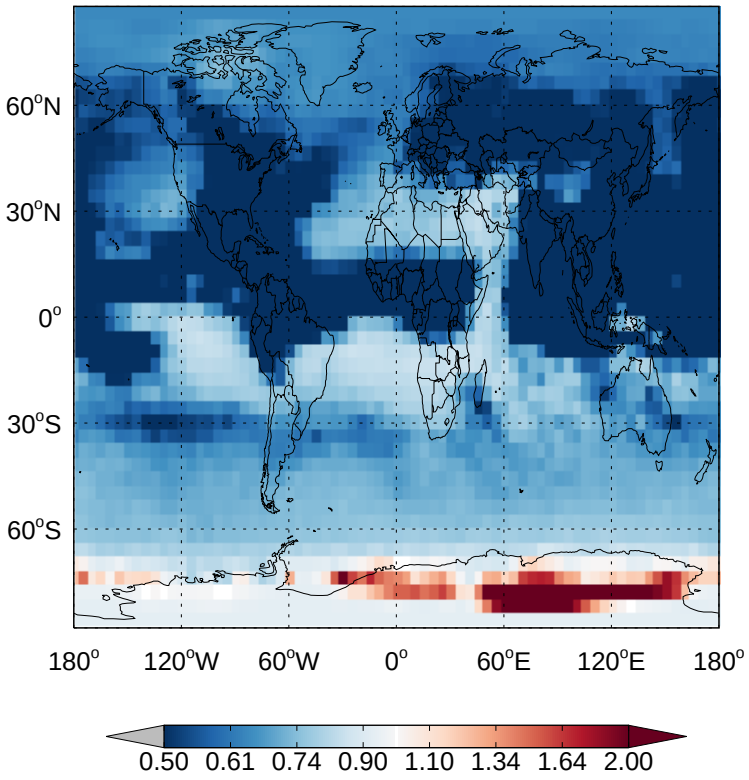
GC_12.0.0 / v11-02f-Run1

Br / Ratio @ Surface for Jul



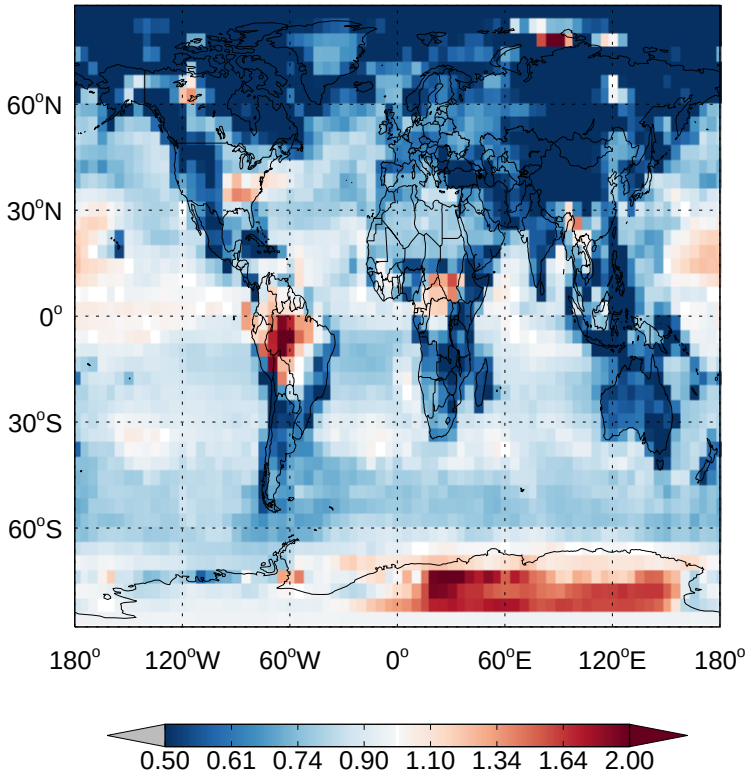
GC_12.0.0 / v11-02f-Run1

Br/ Ratio @ 500 hPa for Jul



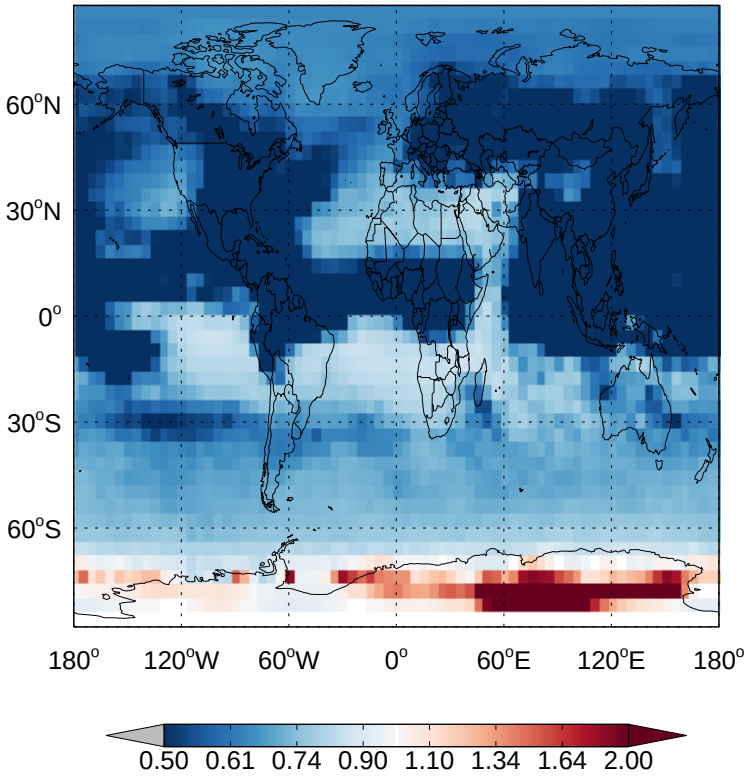
GC_12.0.0 / v11-02e-Run1

Br / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

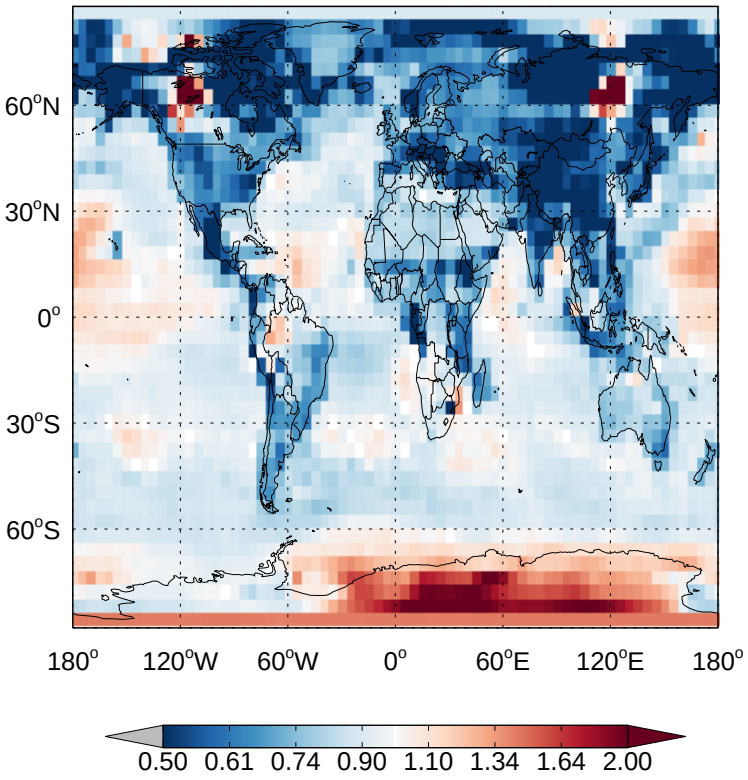
Br/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

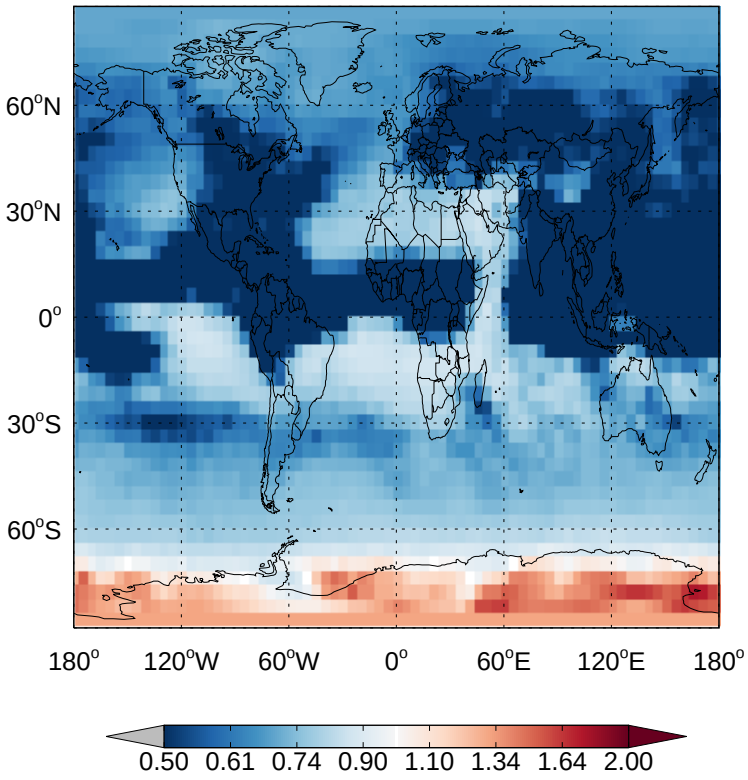
GC_12.0.0 / v11-02f-Run1

BrO / Ratio @ Surface for Jul



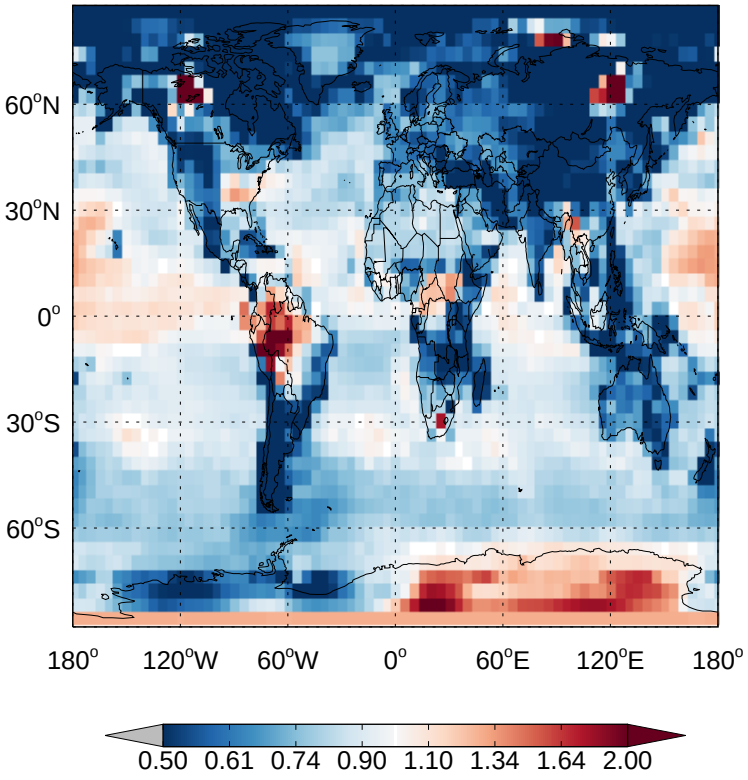
GC_12.0.0 / v11-02f-Run1

BrO/ Ratio @ 500 hPa for Jul



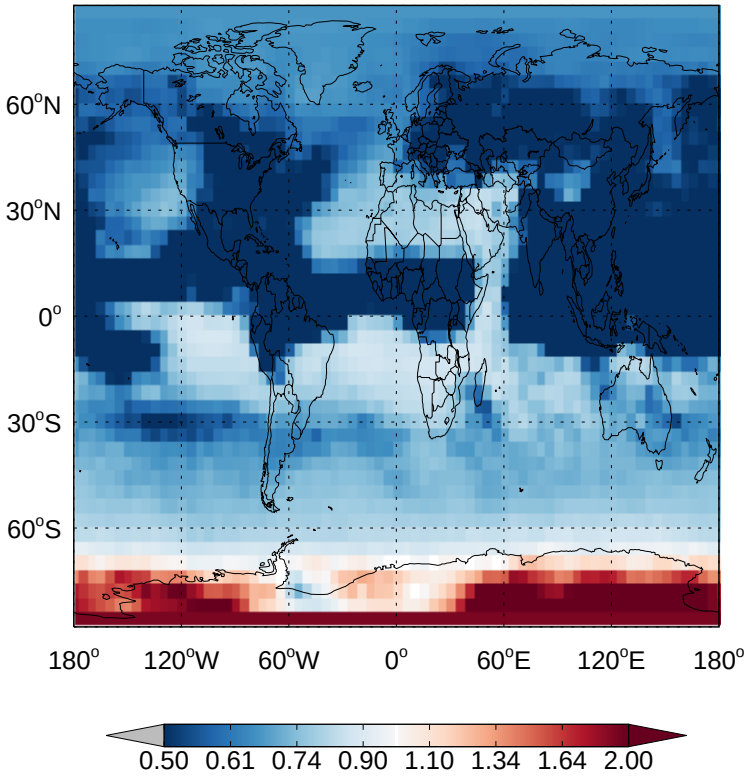
GC_12.0.0 / v11-02e-Run1

BrO / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

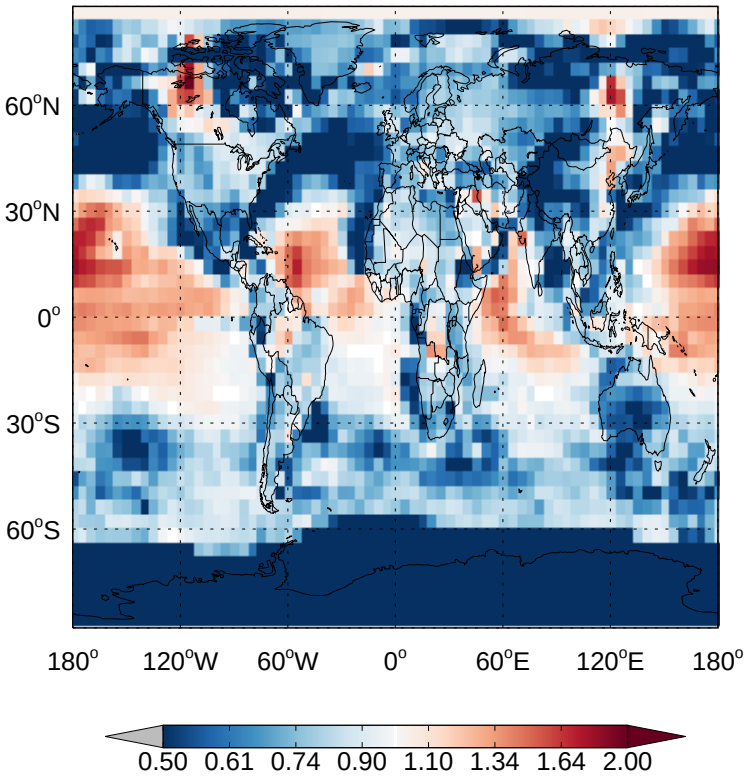
BrO/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

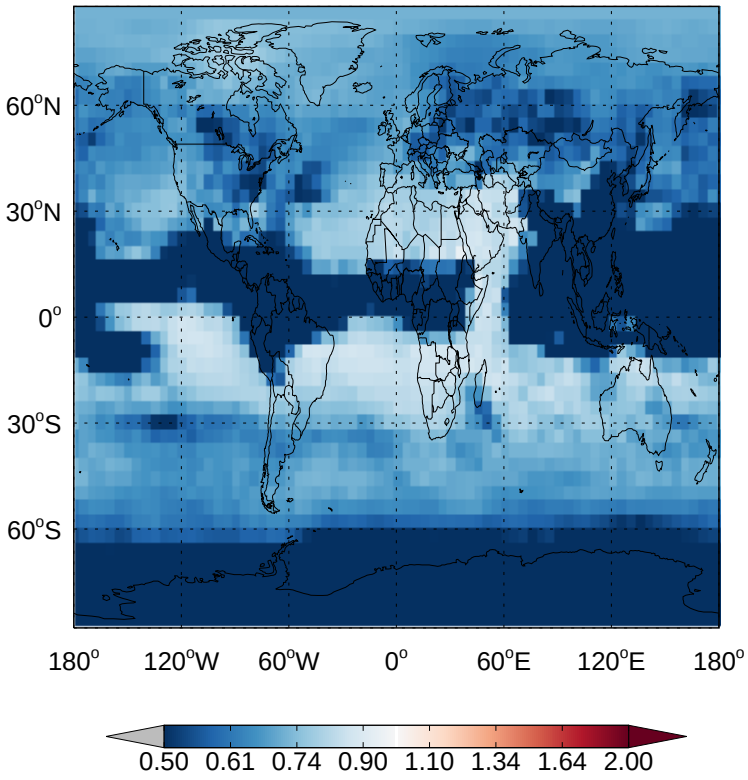
GC_12.0.0 / v11-02f-Run1

HOBr / Ratio @ Surface for Jul



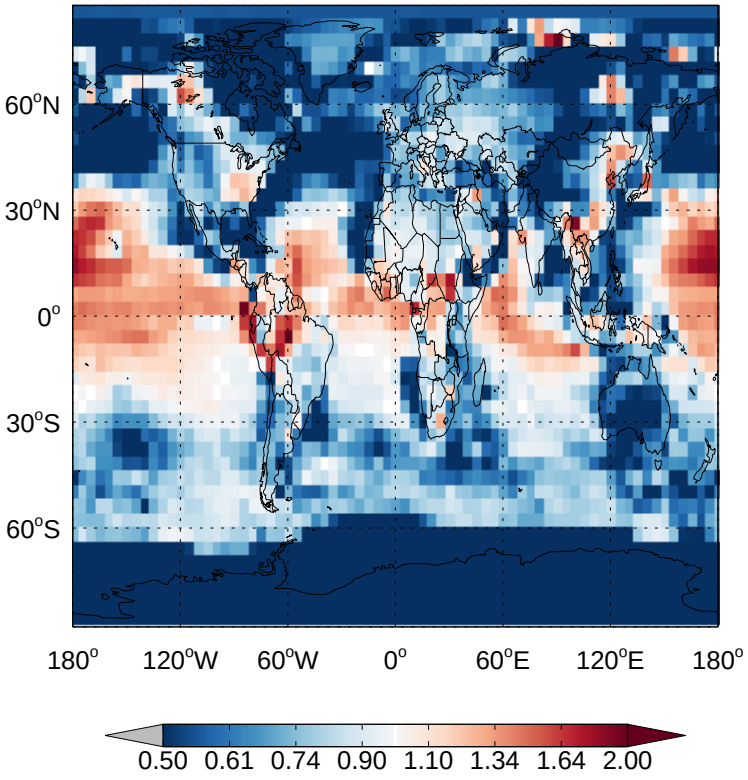
GC_12.0.0 / v11-02f-Run1

HOBr/ Ratio @ 500 hPa for Jul



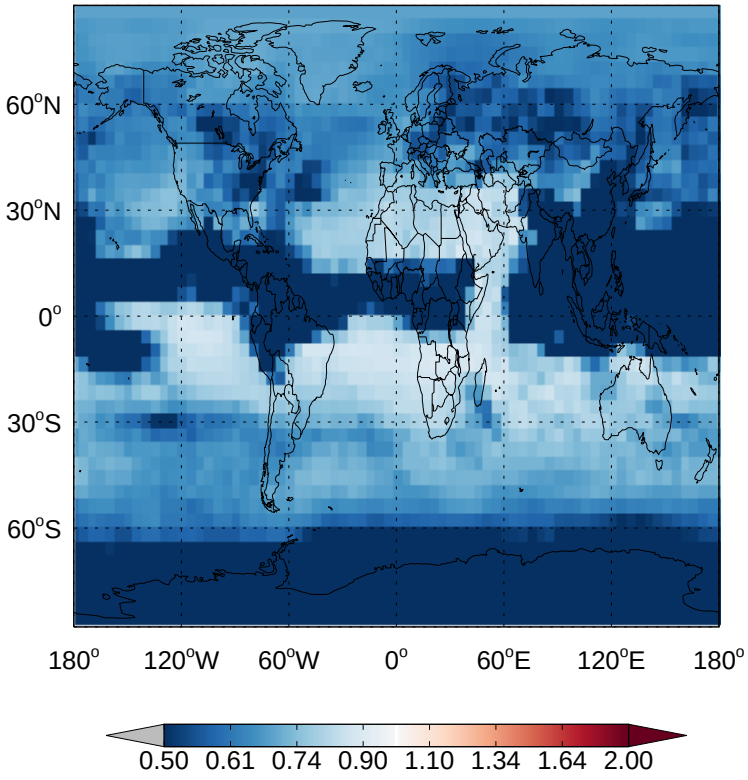
GC_12.0.0 / v11-02e-Run1

HOBr / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

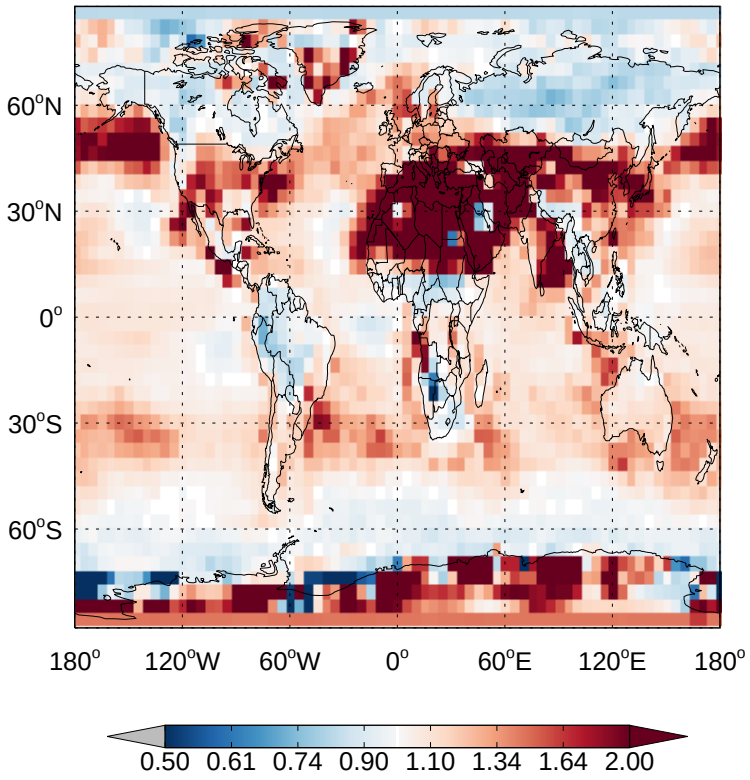
HOBr/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

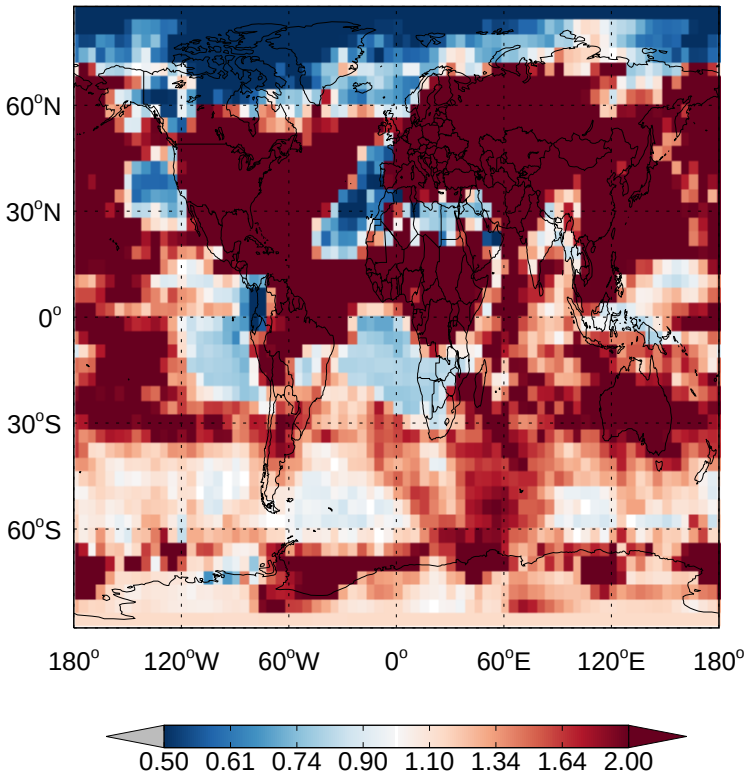
GC_12.0.0 / v11-02f-Run1

HBr / Ratio @ Surface for Jul



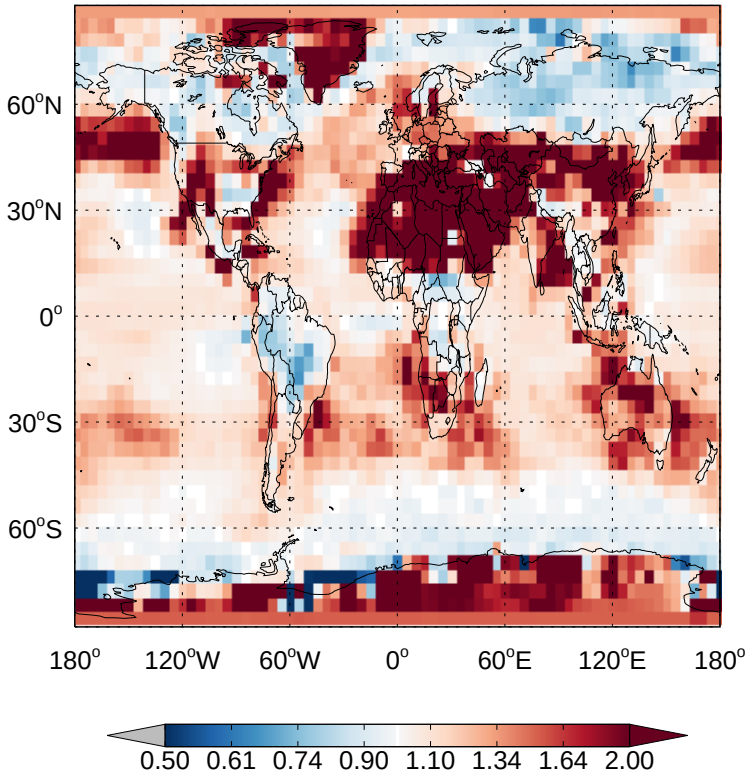
GC_12.0.0 / v11-02f-Run1

HBr/ Ratio @ 500 hPa for Jul



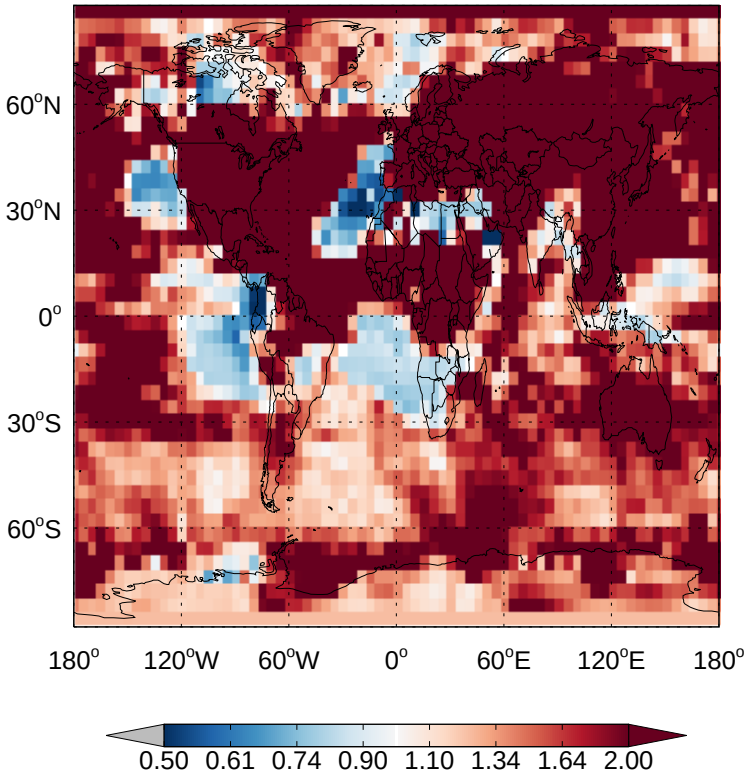
GC_12.0.0 / v11-02e-Run1

HBr / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

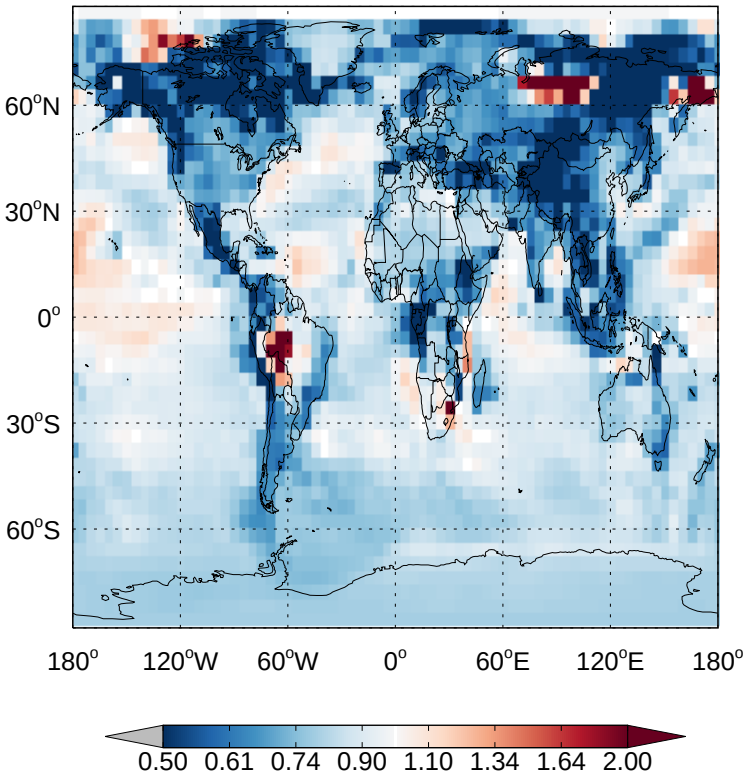
HBr/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

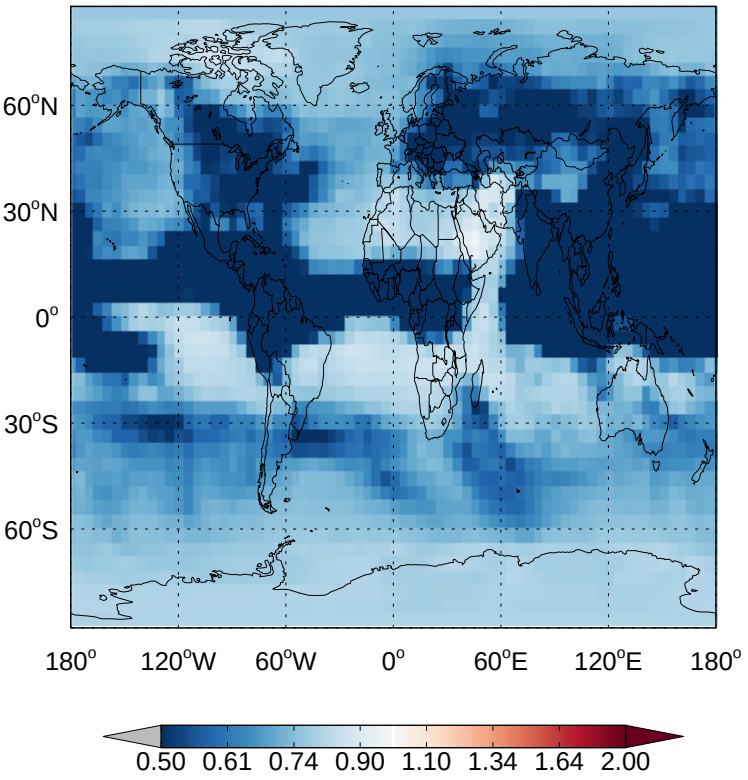
GC_12.0.0 / v11-02f-Run1

BrNO2 / Ratio @ Surface for Jul



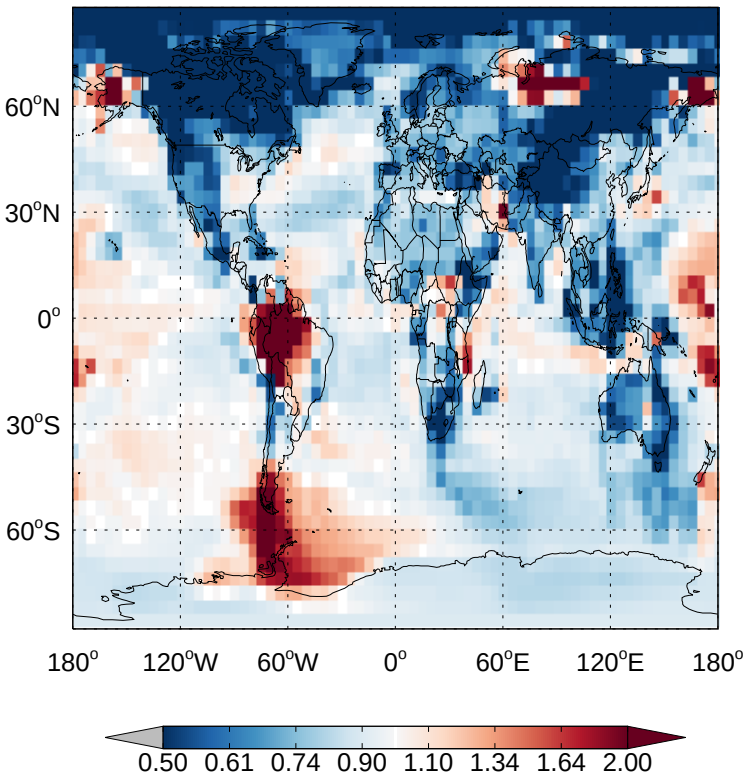
GC_12.0.0 / v11-02f-Run1

BrNO2/ Ratio @ 500 hPa for Jul



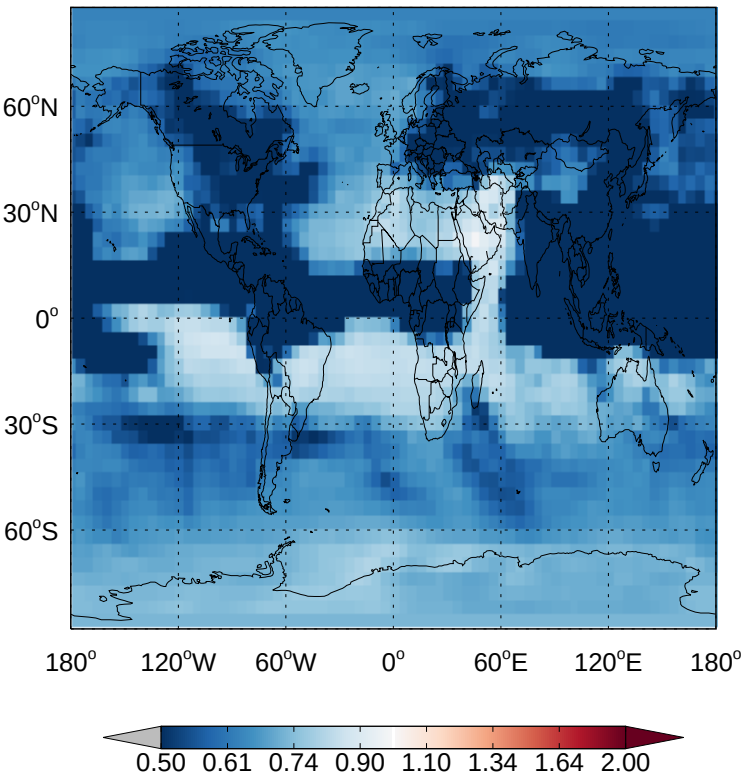
GC_12.0.0 / v11-02e-Run1

BrNO2 / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

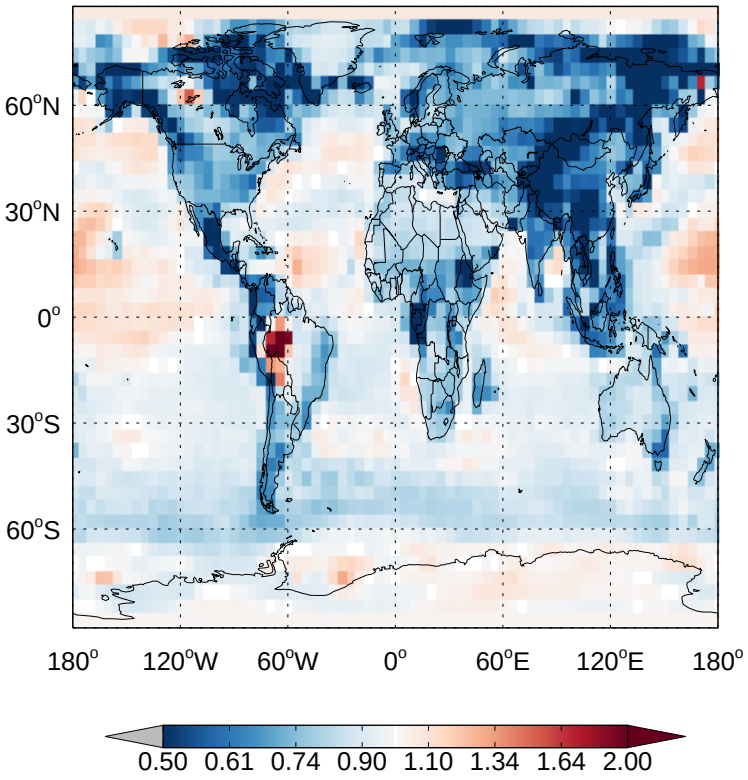
BrNO2/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

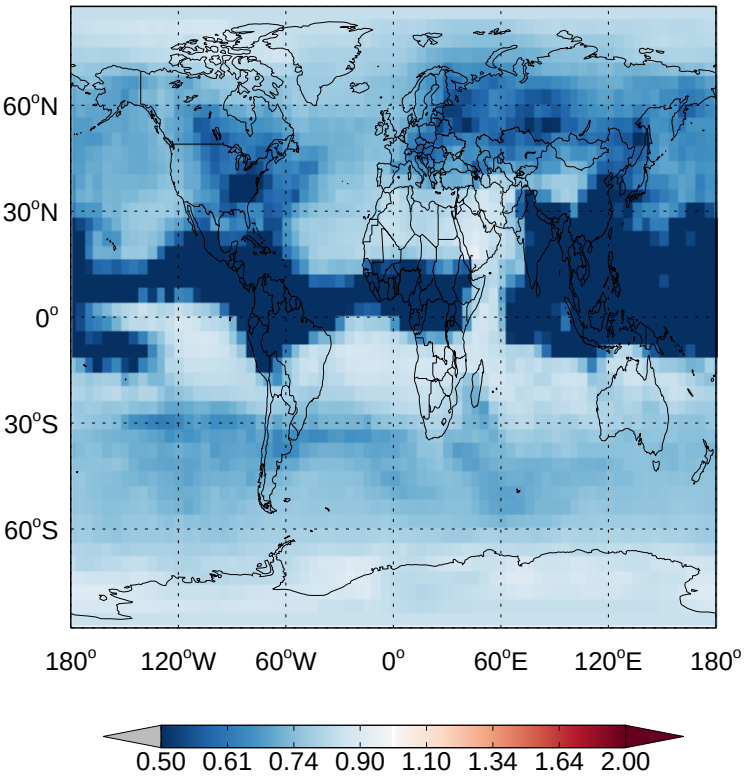
GC_12.0.0 / v11-02f-Run1

BrNO3 / Ratio @ Surface for Jul



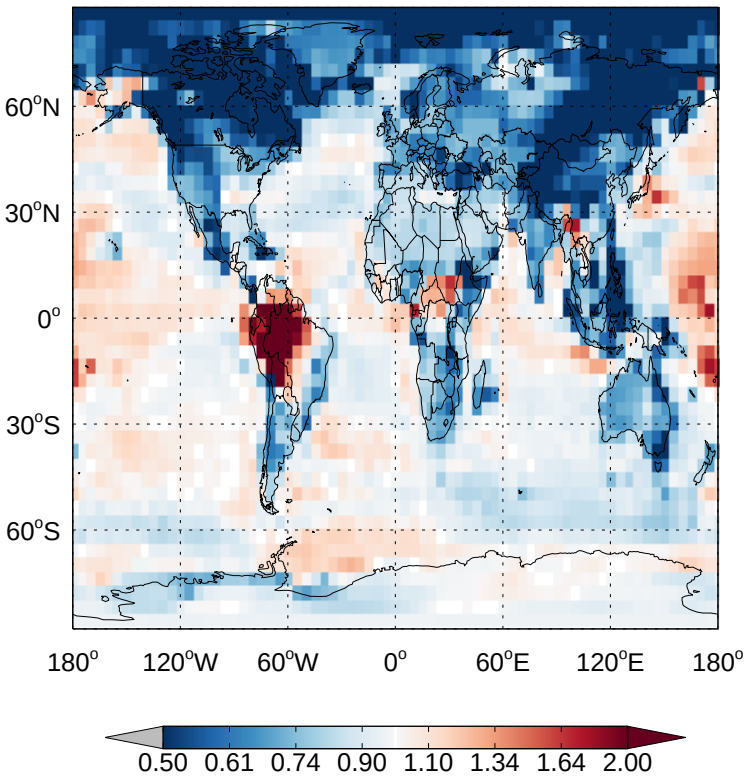
GC_12.0.0 / v11-02f-Run1

BrNO3/ Ratio @ 500 hPa for Jul



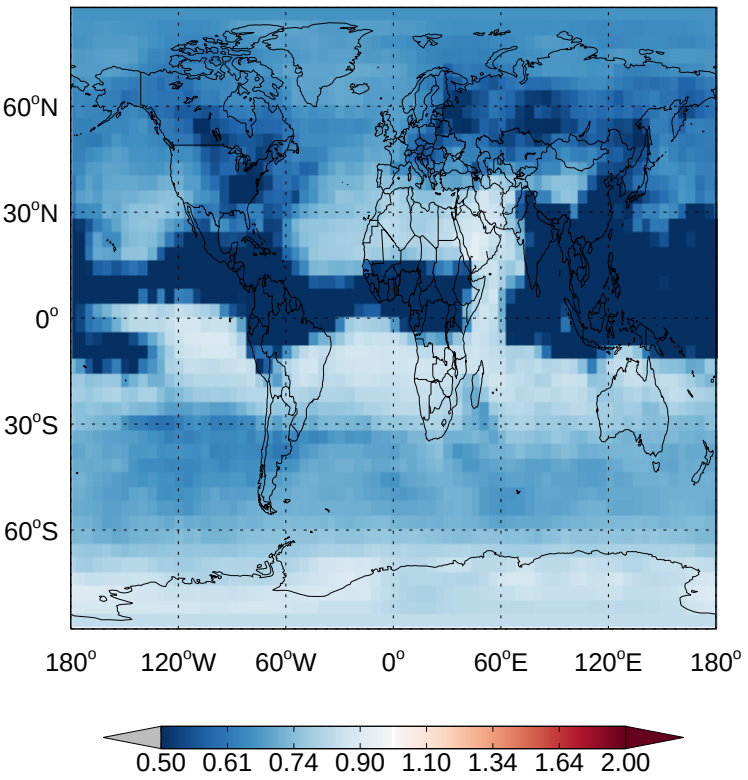
GC_12.0.0 / v11-02e-Run1

BrNO3 / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

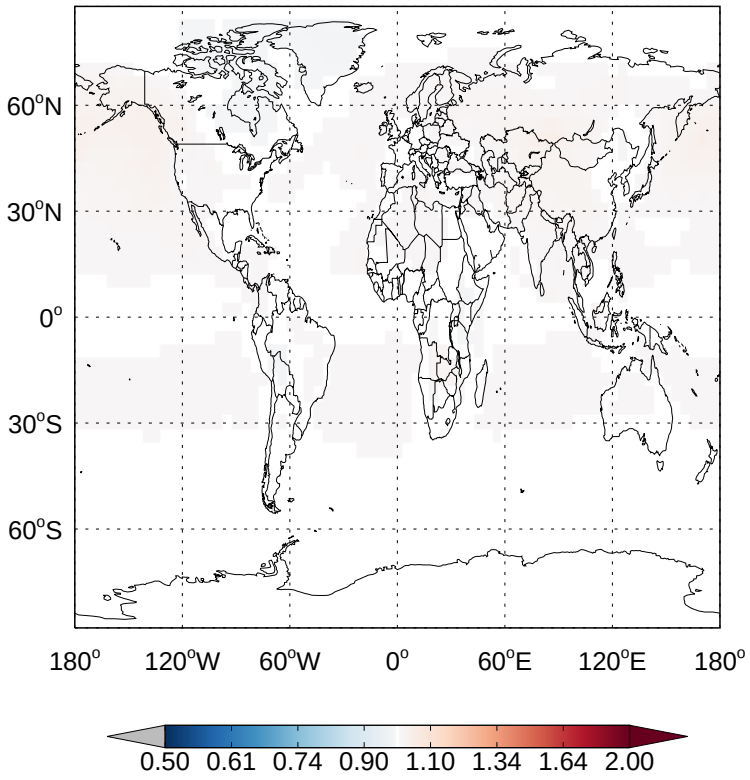
BrNO3/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

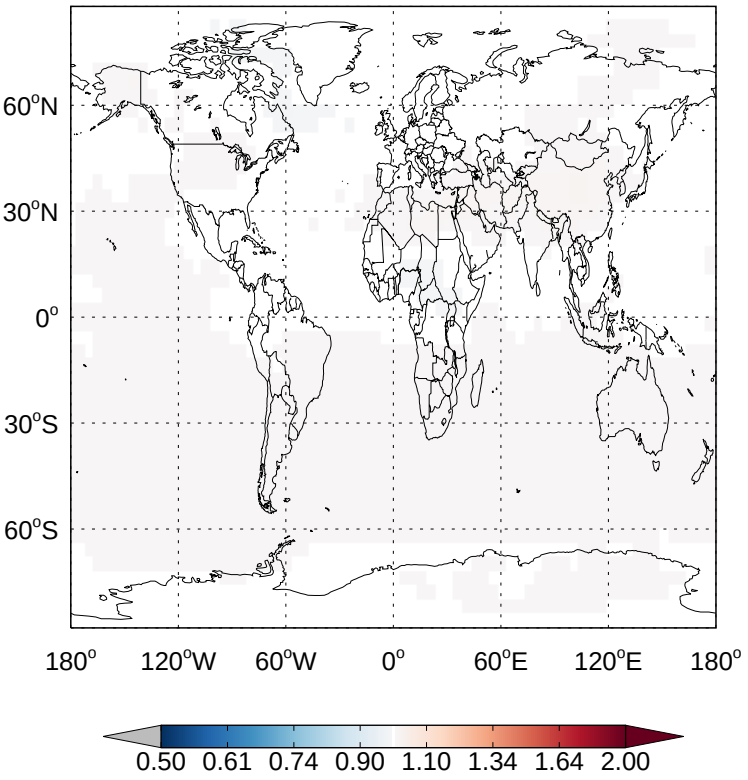
GC_12.0.0 / v11-02f-Run1

CHBr3 / Ratio @ Surface for Jul



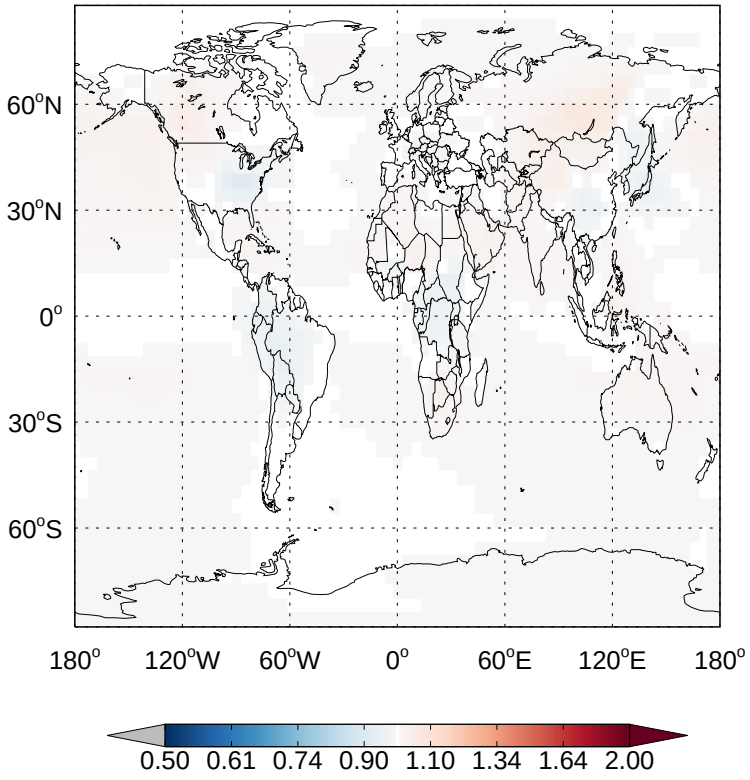
GC_12.0.0 / v11-02f-Run1

CHBr3/ Ratio @ 500 hPa for Jul



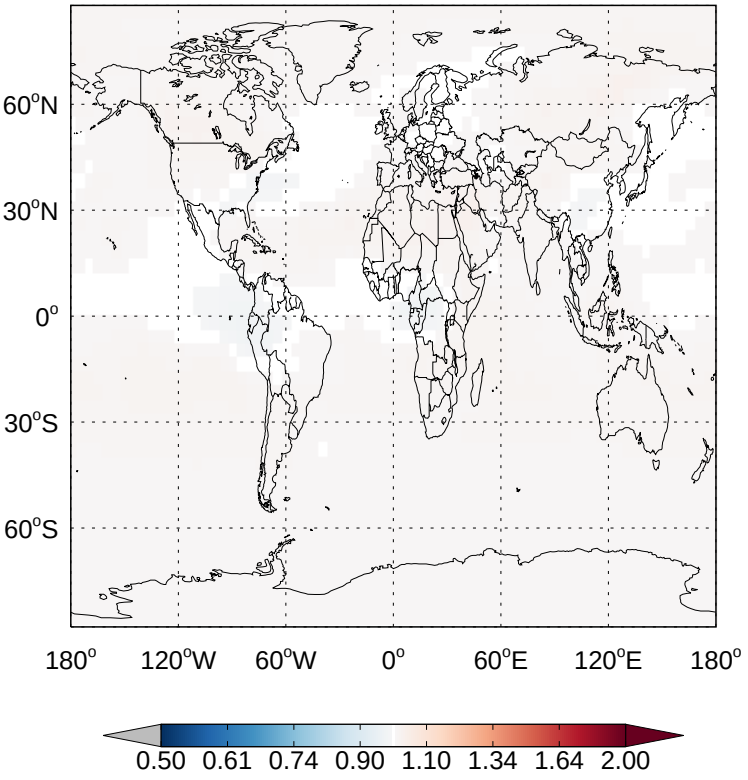
GC_12.0.0 / v11-02e-Run1

CHBr3 / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

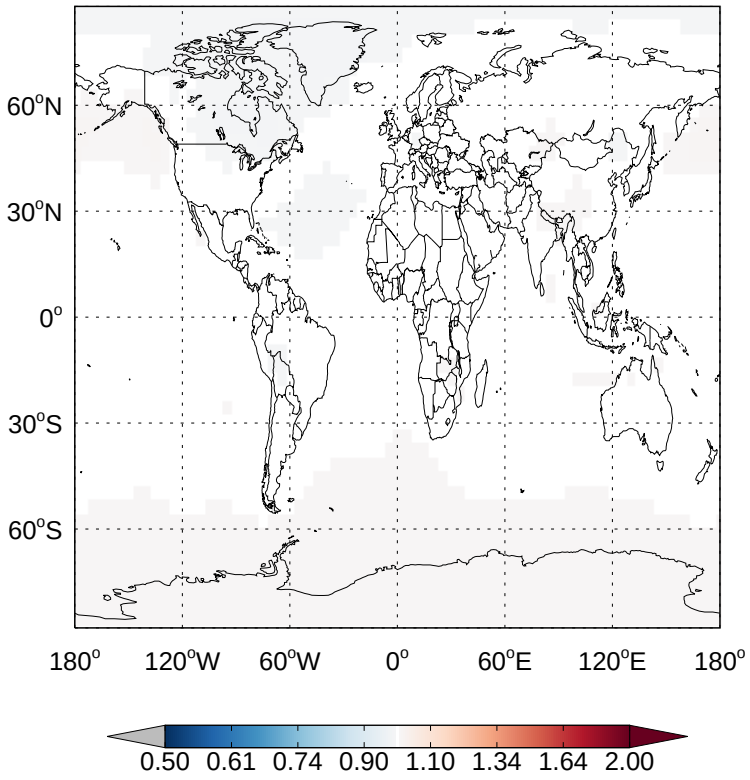
CHBr3/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

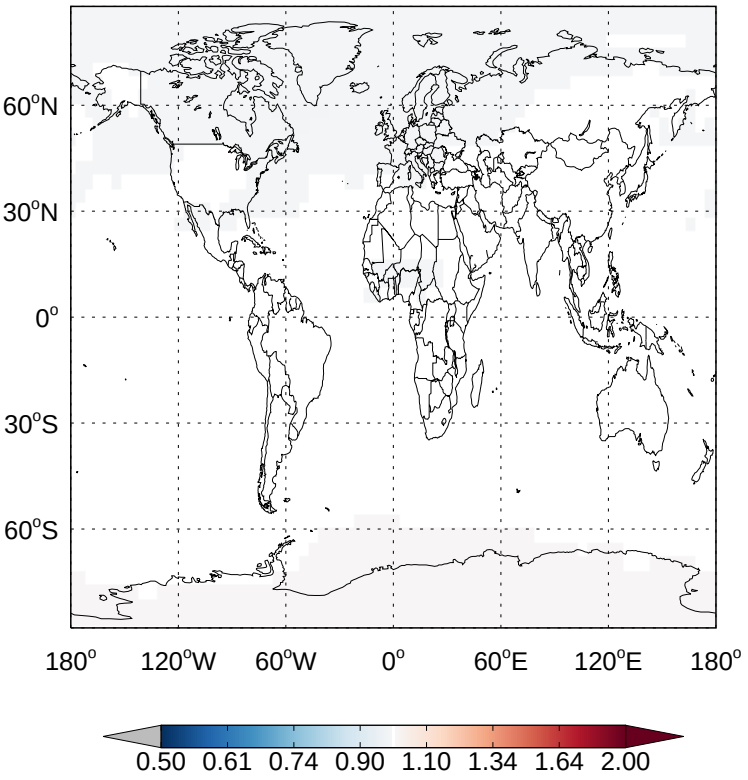
GC_12.0.0 / v11-02f-Run1

CH2Br2 / Ratio @ Surface for Jul



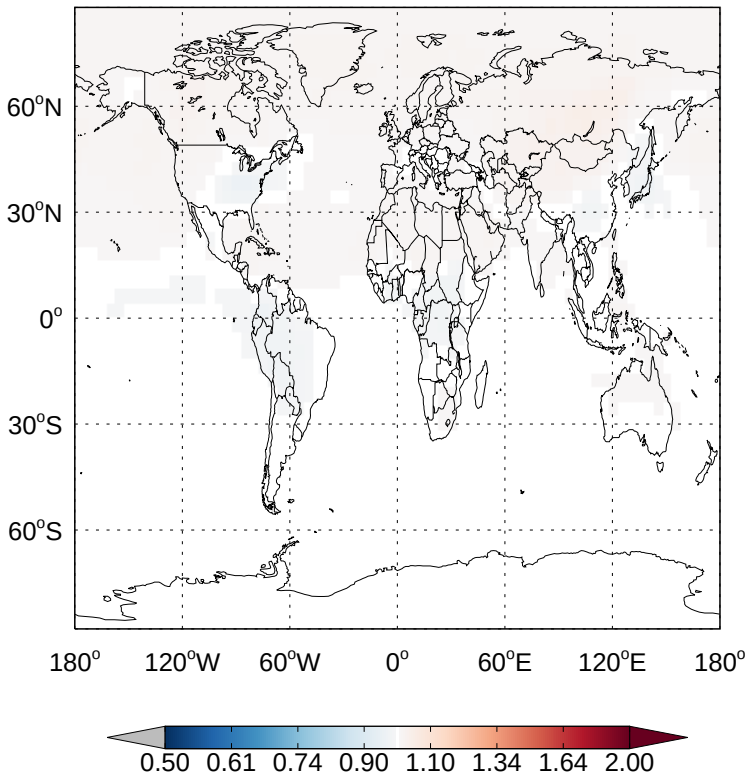
GC_12.0.0 / v11-02f-Run1

CH2Br2/ Ratio @ 500 hPa for Jul



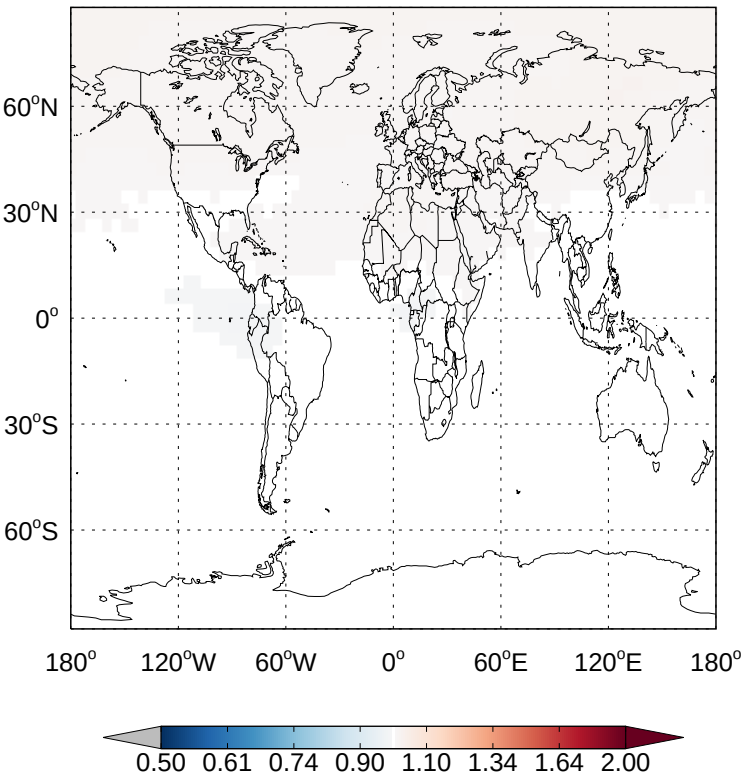
GC_12.0.0 / v11-02e-Run1

CH2Br2 / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

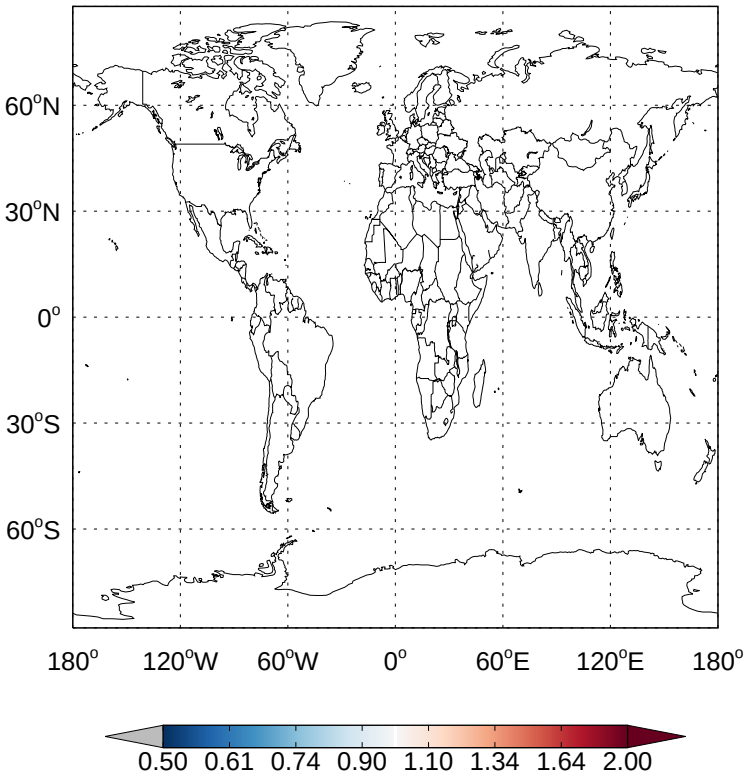
CH2Br2/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

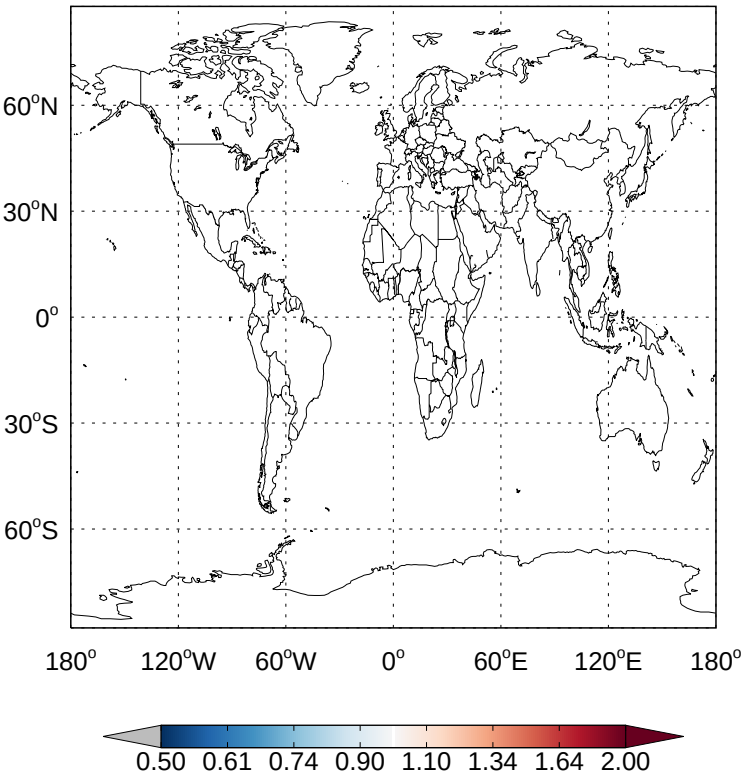
GC_12.0.0 / v11-02f-Run1

CH3Br / Ratio @ Surface for Jul



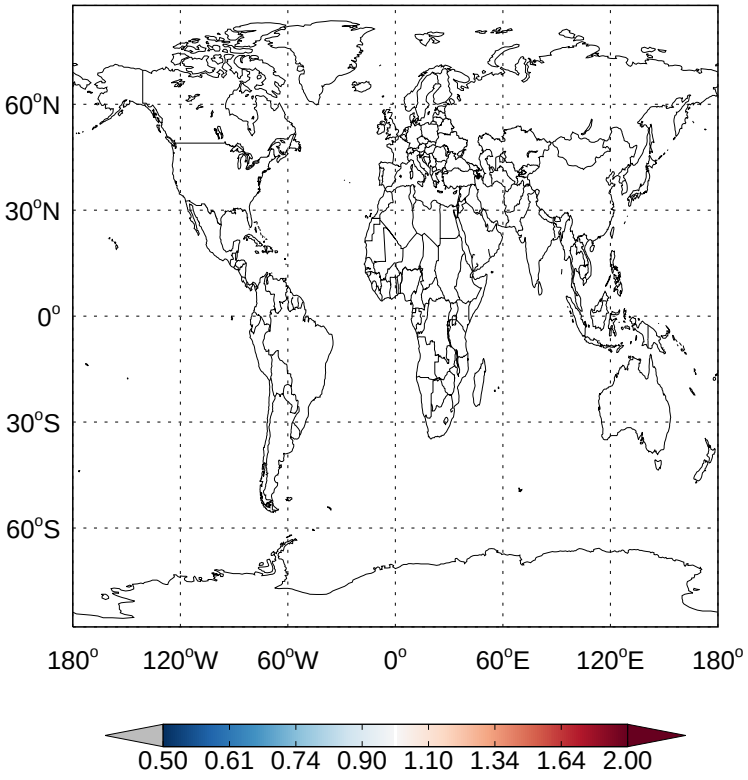
GC_12.0.0 / v11-02f-Run1

CH3Br/ Ratio @ 500 hPa for Jul



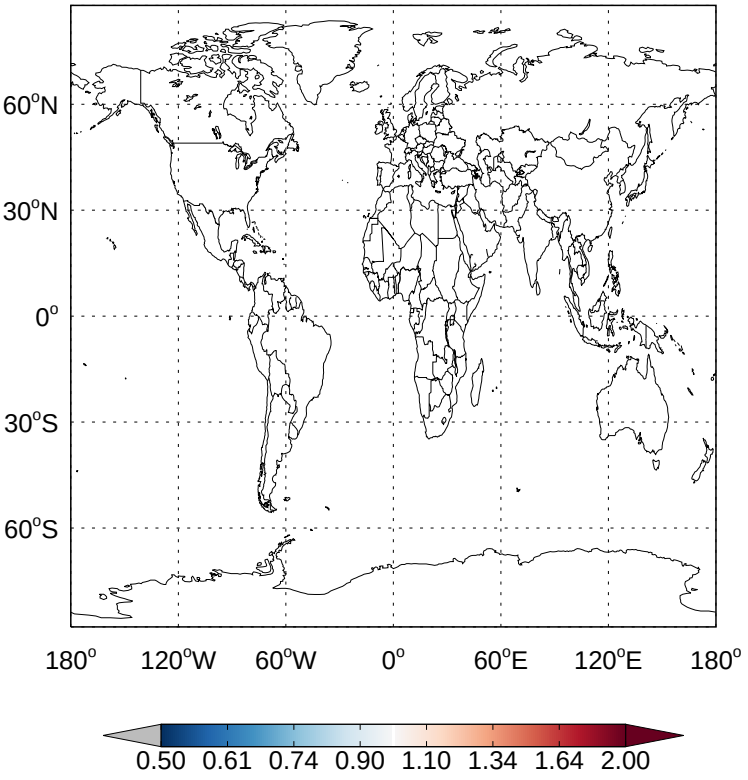
GC_12.0.0 / v11-02e-Run1

CH3Br / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

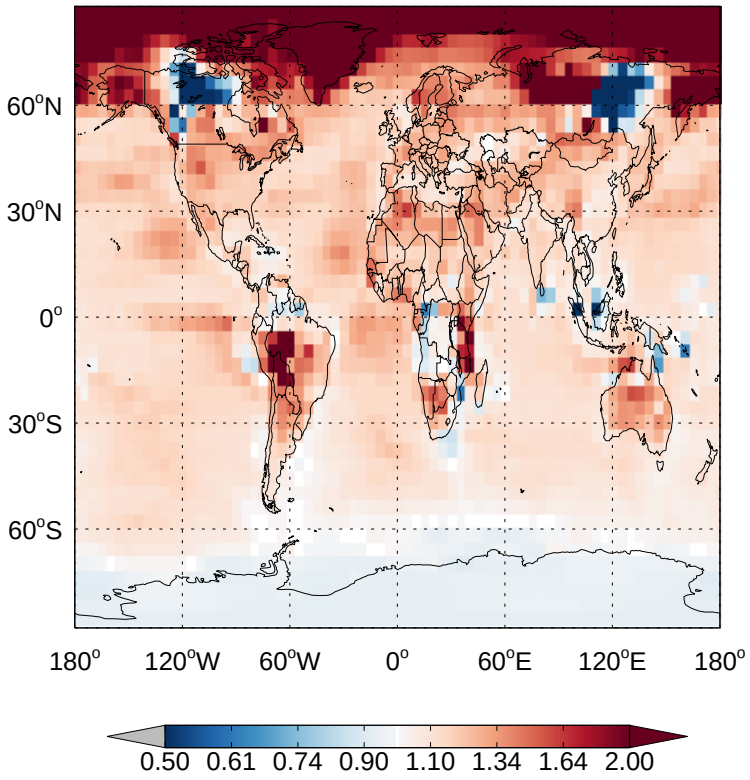
CH3Br/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

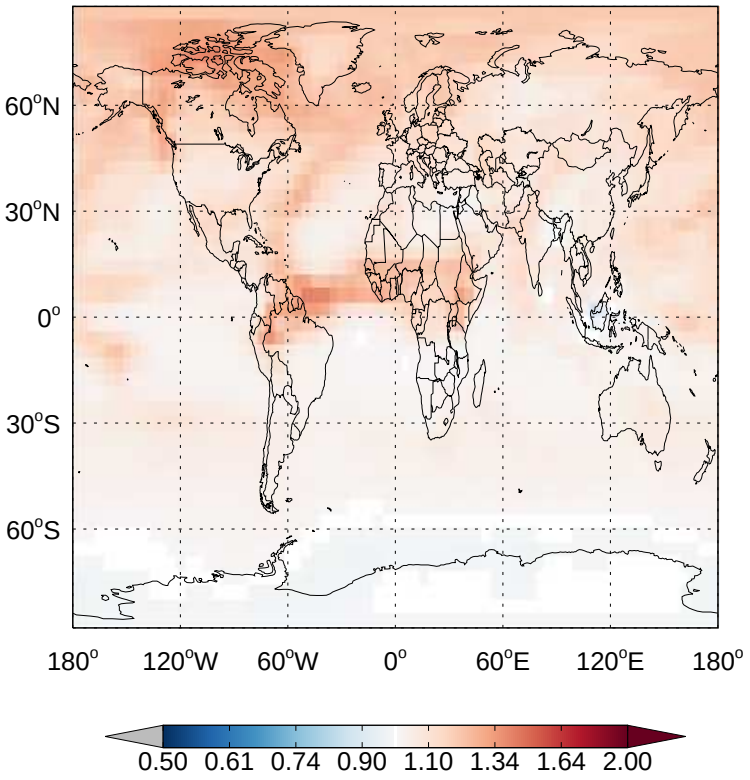
GC_12.0.0 / v11-02f-Run1

MPN / Ratio @ Surface for Jul



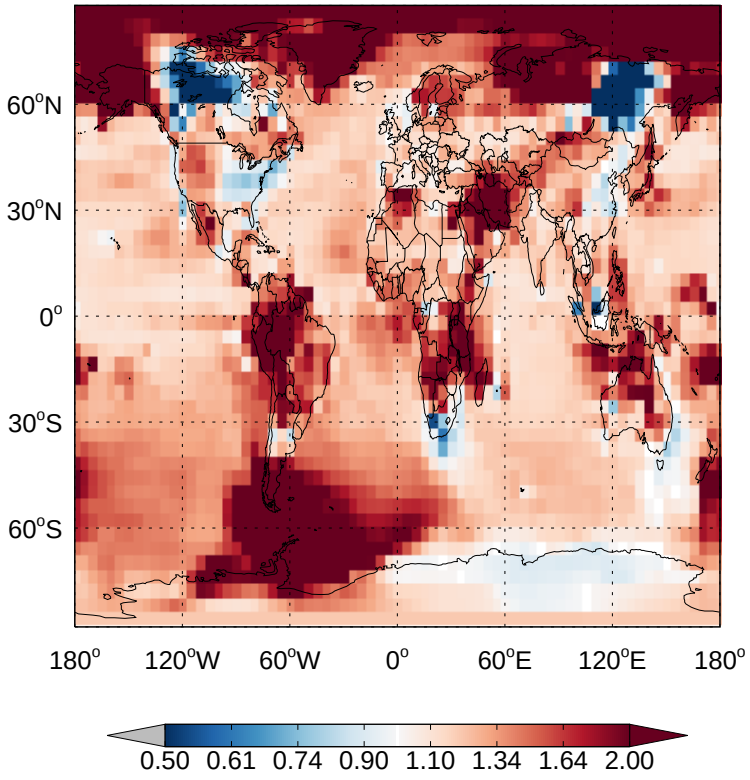
GC_12.0.0 / v11-02f-Run1

MPN/ Ratio @ 500 hPa for Jul



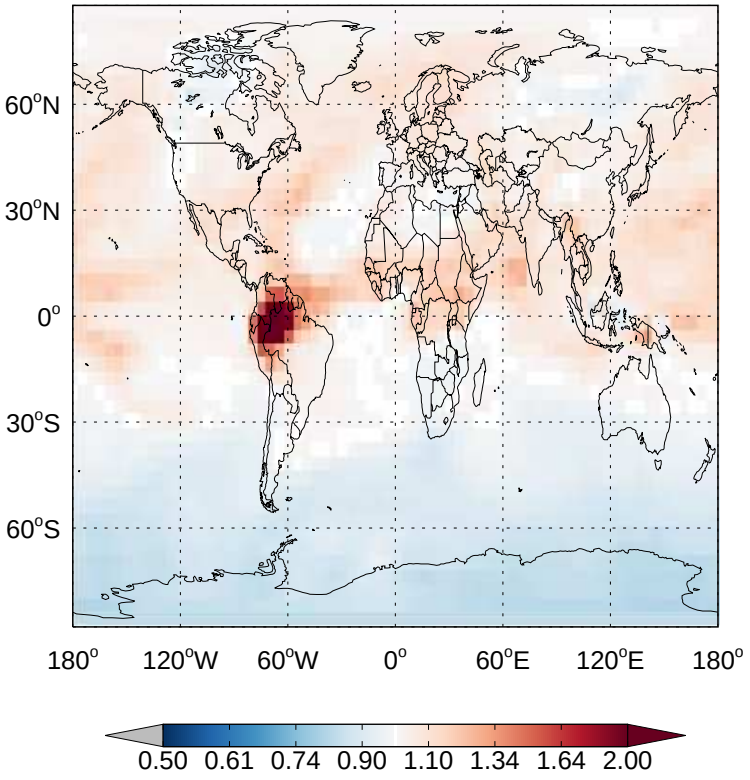
GC_12.0.0 / v11-02e-Run1

MPN / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

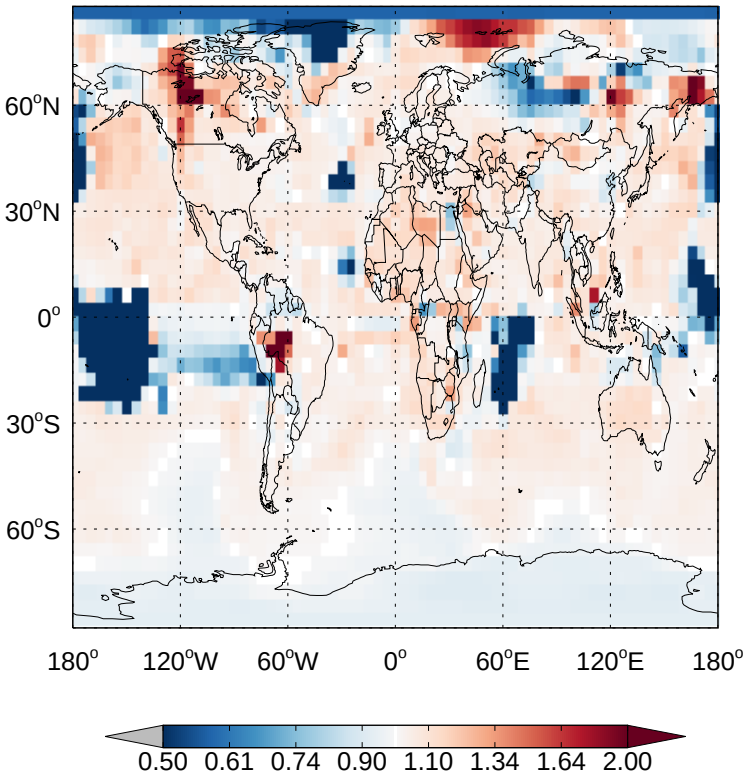
MPN/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

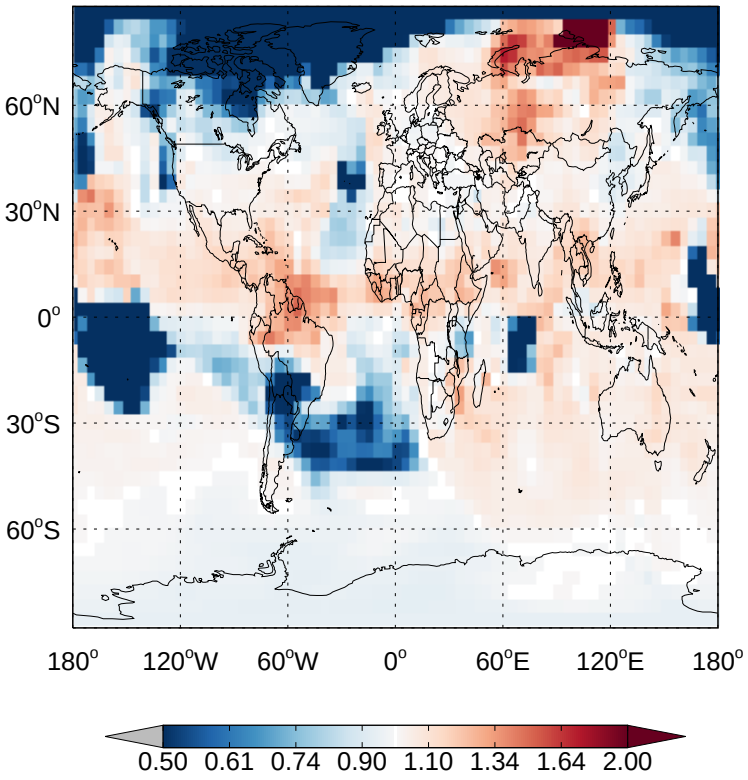
GC_12.0.0 / v11-02f-Run1

ISOPND / Ratio @ Surface for Jul



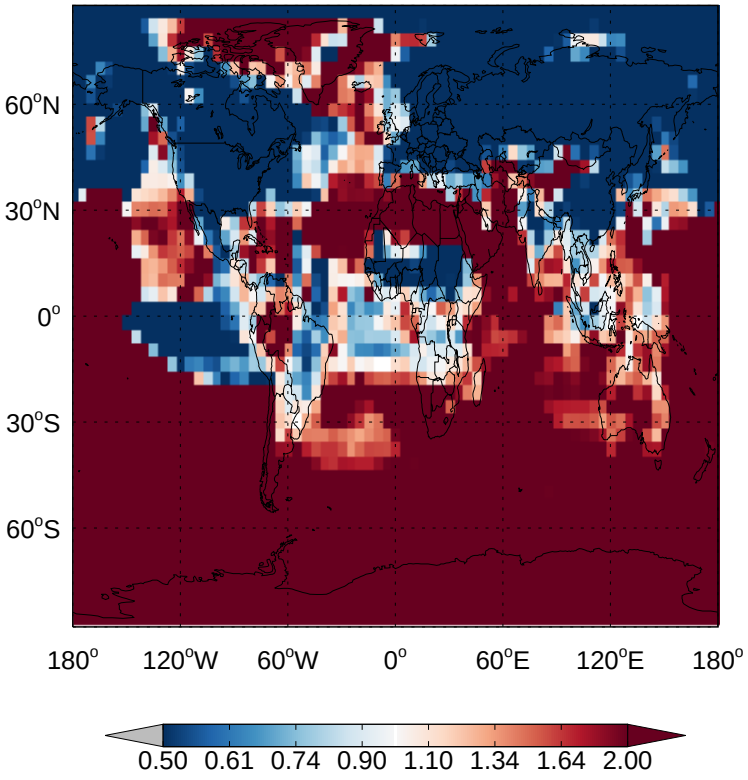
GC_12.0.0 / v11-02f-Run1

ISOPND/ Ratio @ 500 hPa for Jul



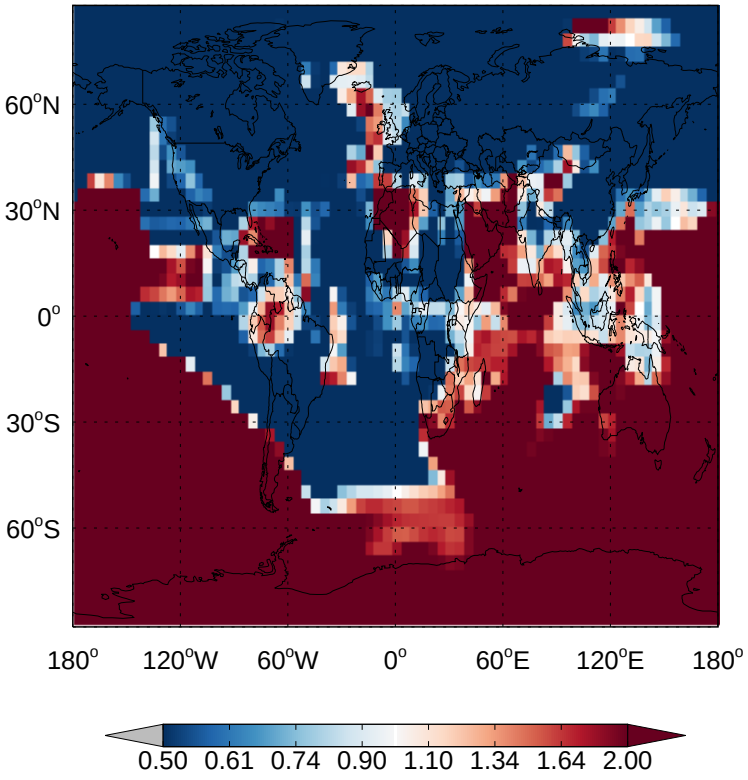
GC_12.0.0 / v11-02e-Run1

ISOPND / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

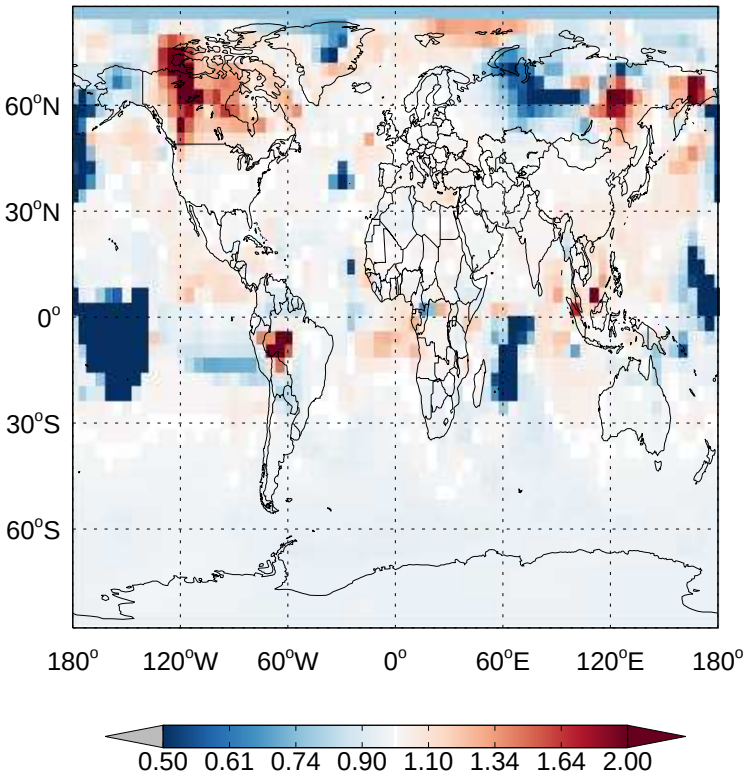
ISOPND/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

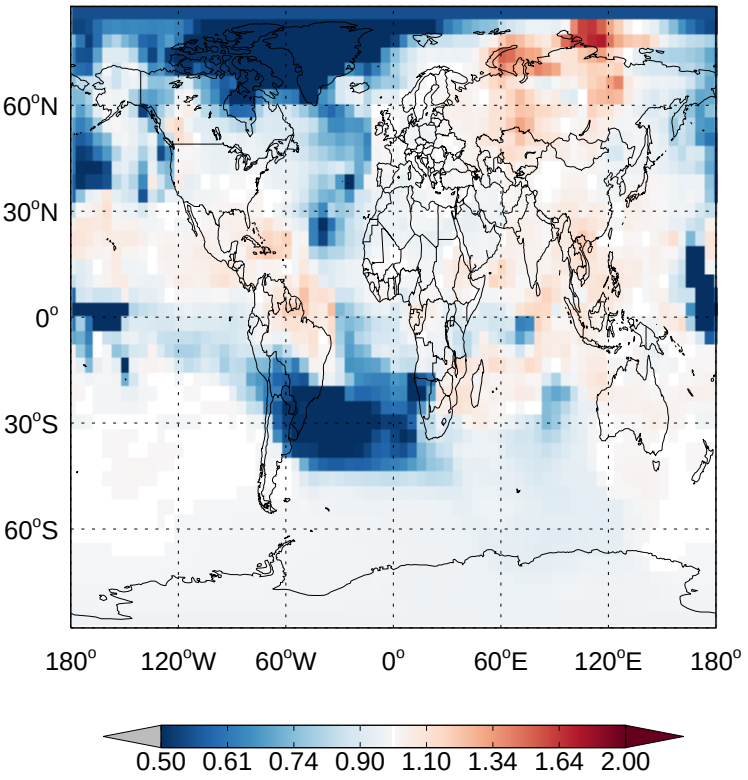
GC_12.0.0 / v11-02f-Run1

ISOPNB / Ratio @ Surface for Jul



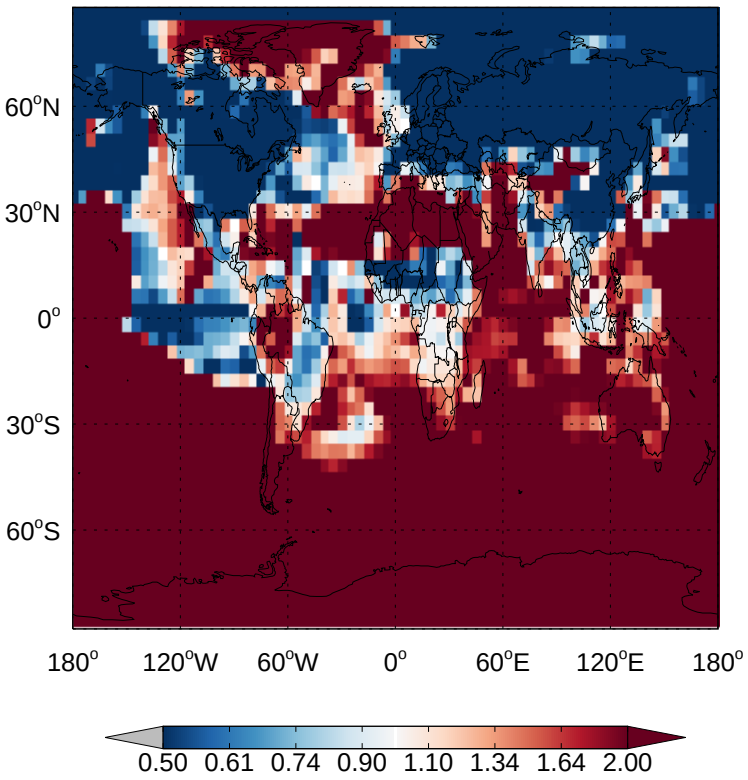
GC_12.0.0 / v11-02f-Run1

ISOPNB/ Ratio @ 500 hPa for Jul



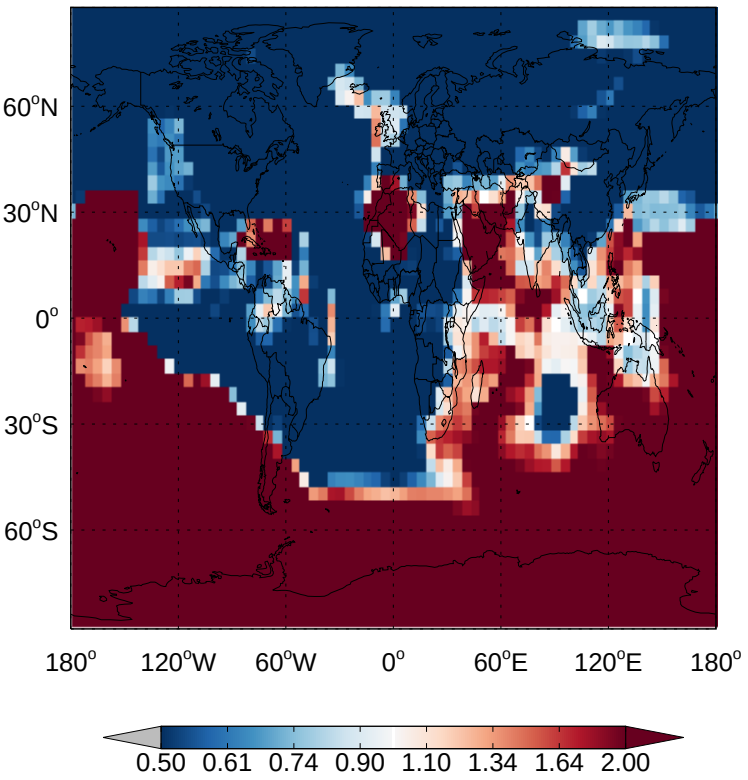
GC_12.0.0 / v11-02e-Run1

ISOPNB / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

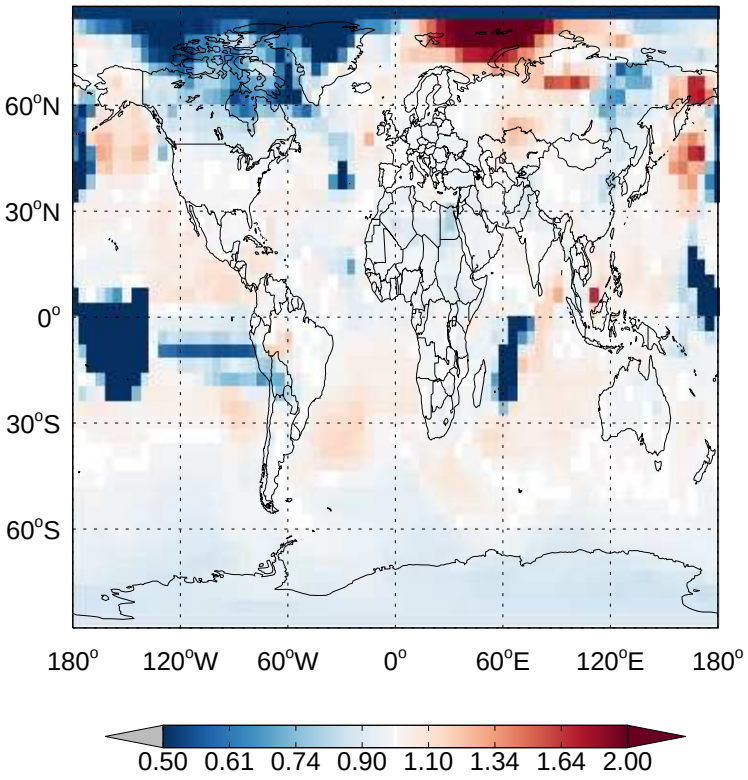
ISOPNB/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

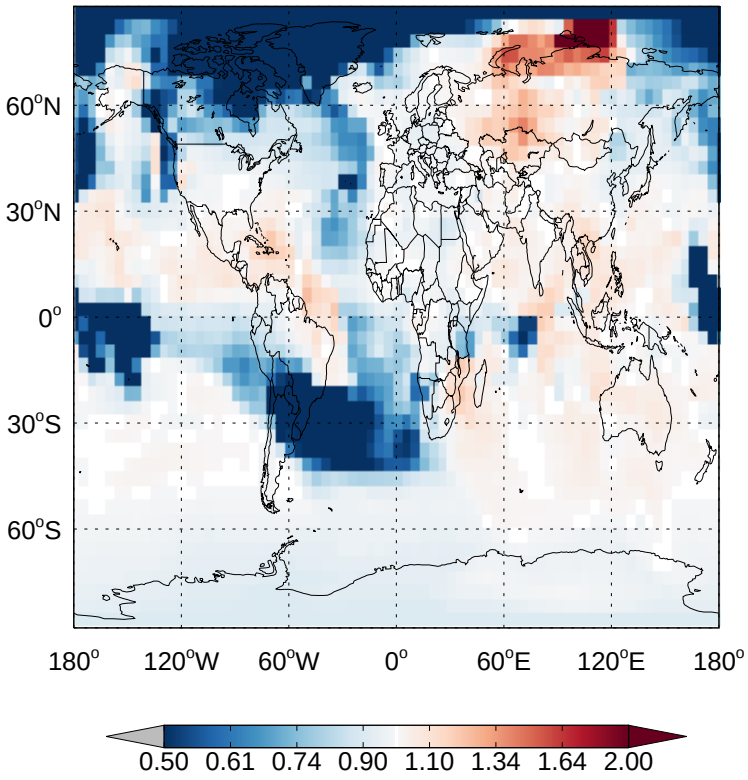
GC_12.0.0 / v11-02f-Run1

MOBA / Ratio @ Surface for Jul



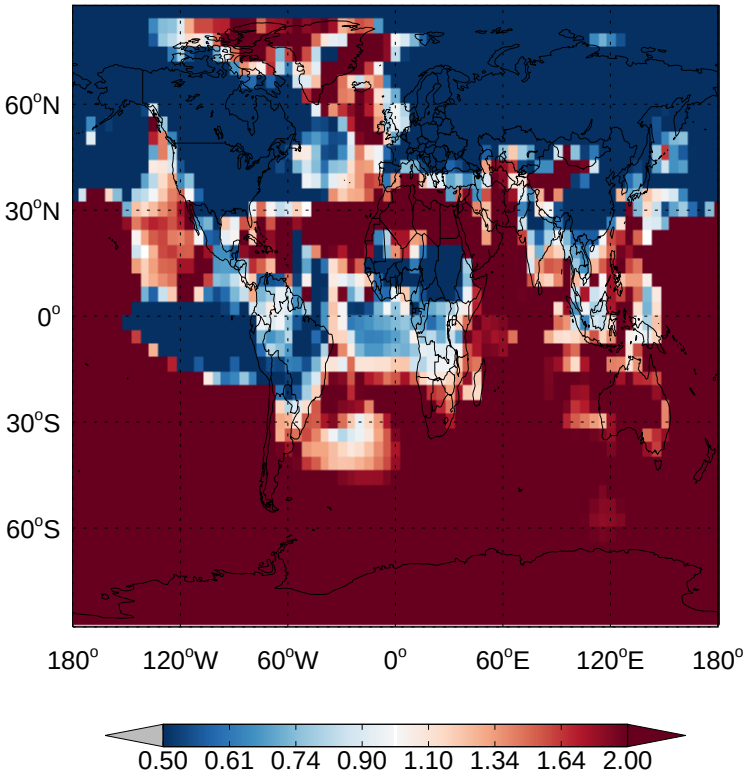
GC_12.0.0 / v11-02f-Run1

MOBA/ Ratio @ 500 hPa for Jul



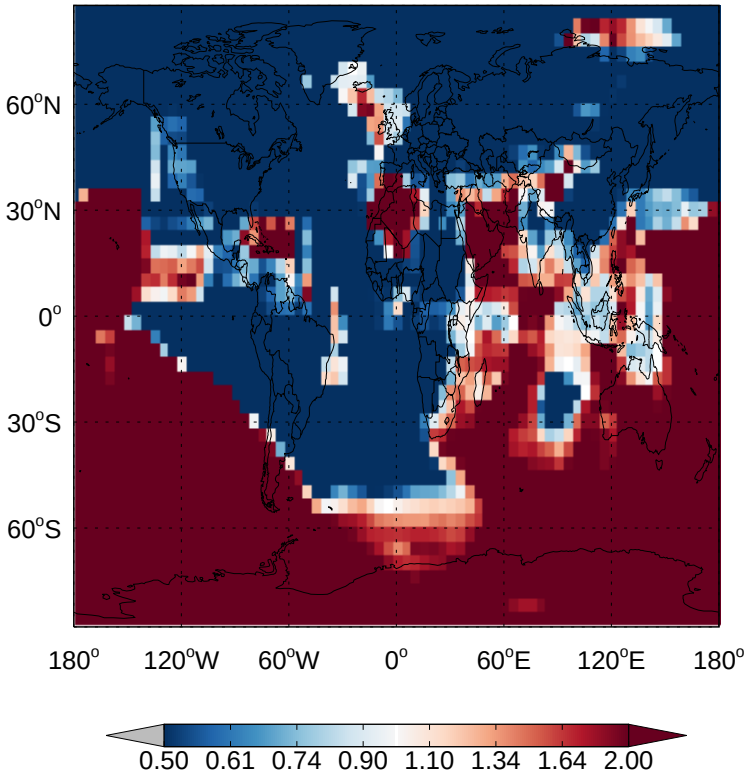
GC_12.0.0 / v11-02e-Run1

MOBA / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

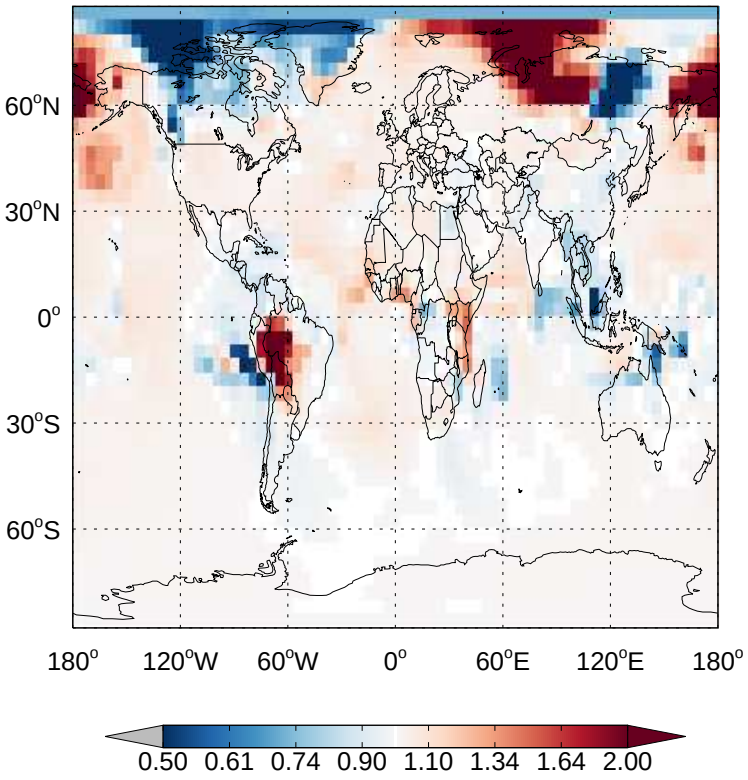
MOBA/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

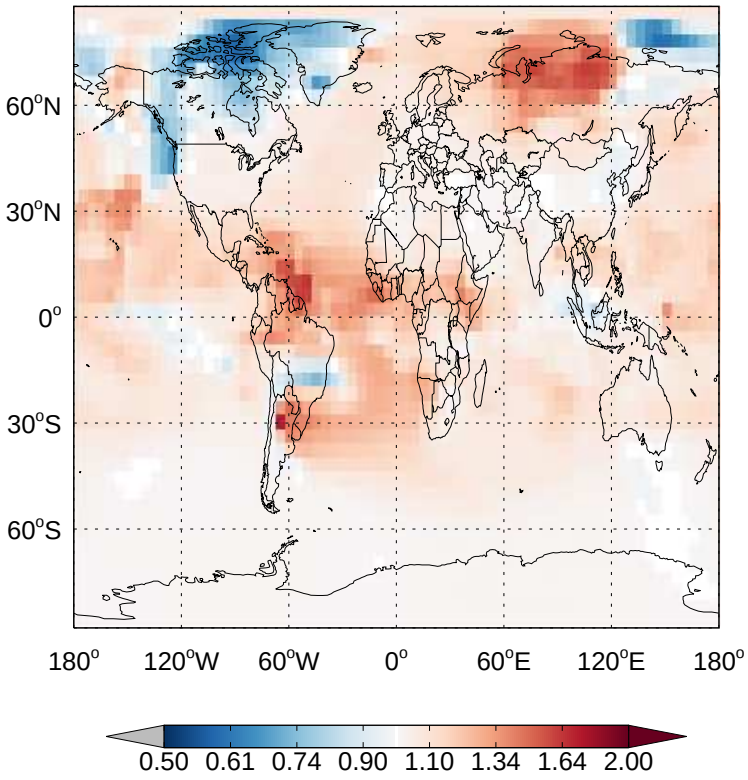
GC_12.0.0 / v11-02f-Run1

PROPNN / Ratio @ Surface for Jul



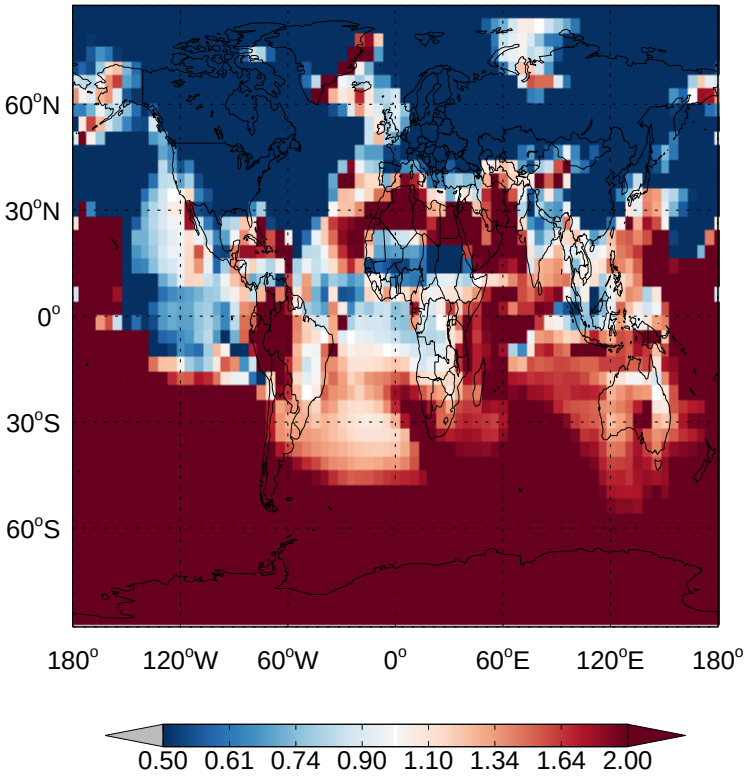
GC_12.0.0 / v11-02f-Run1

PROPNN/ Ratio @ 500 hPa for Jul



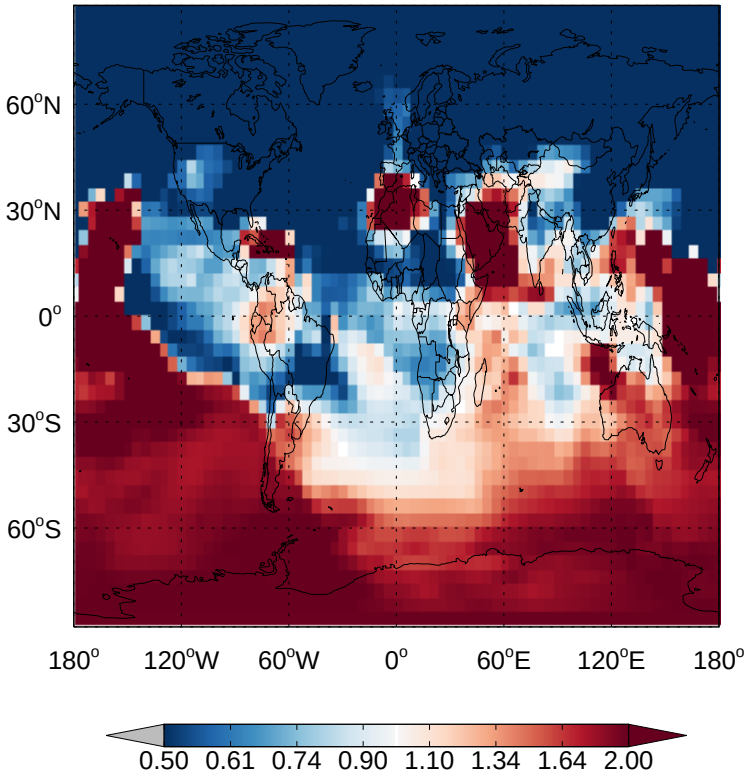
GC_12.0.0 / v11-02e-Run1

PROPNN / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

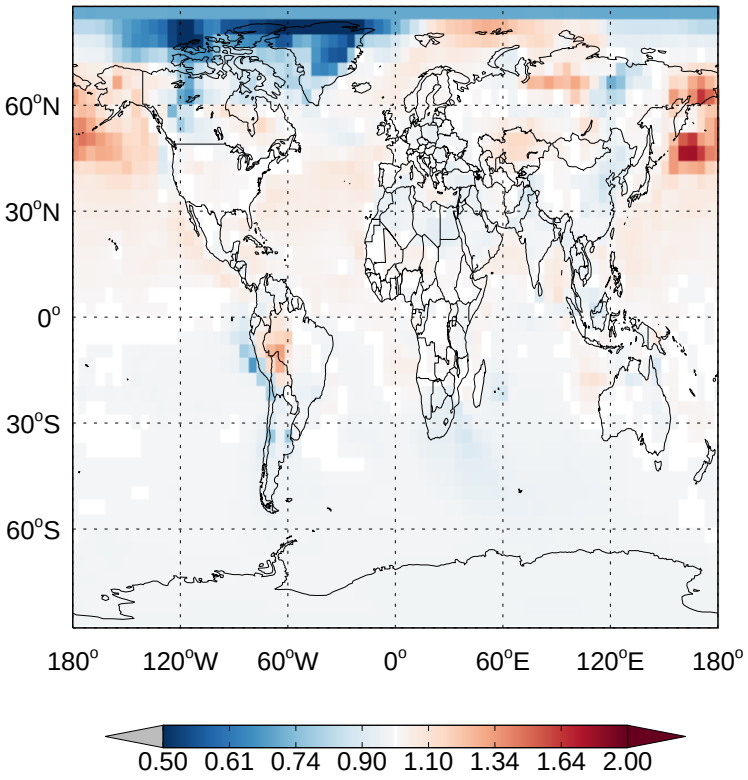
PROPNN/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

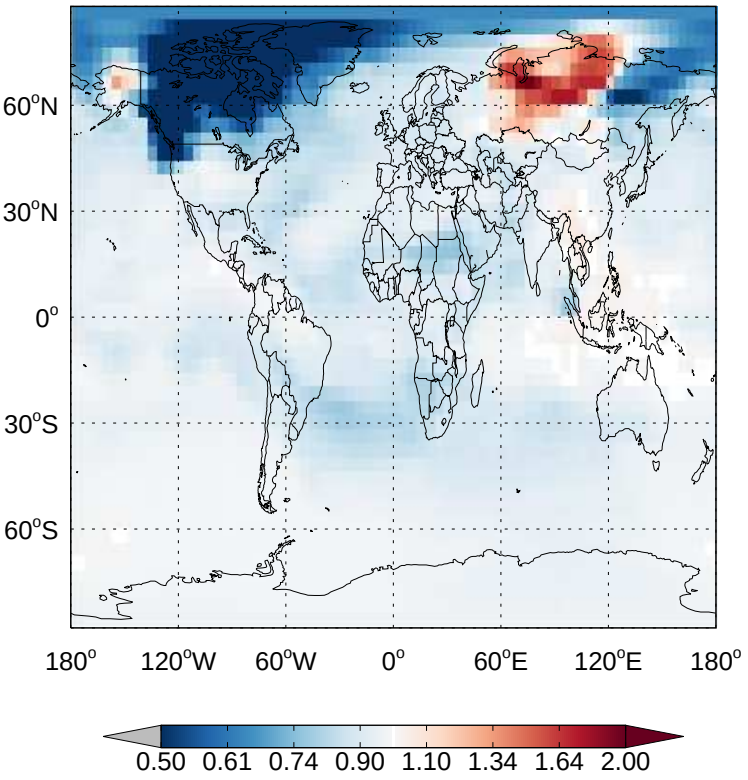
GC_12.0.0 / v11-02f-Run1

HAC / Ratio @ Surface for Jul



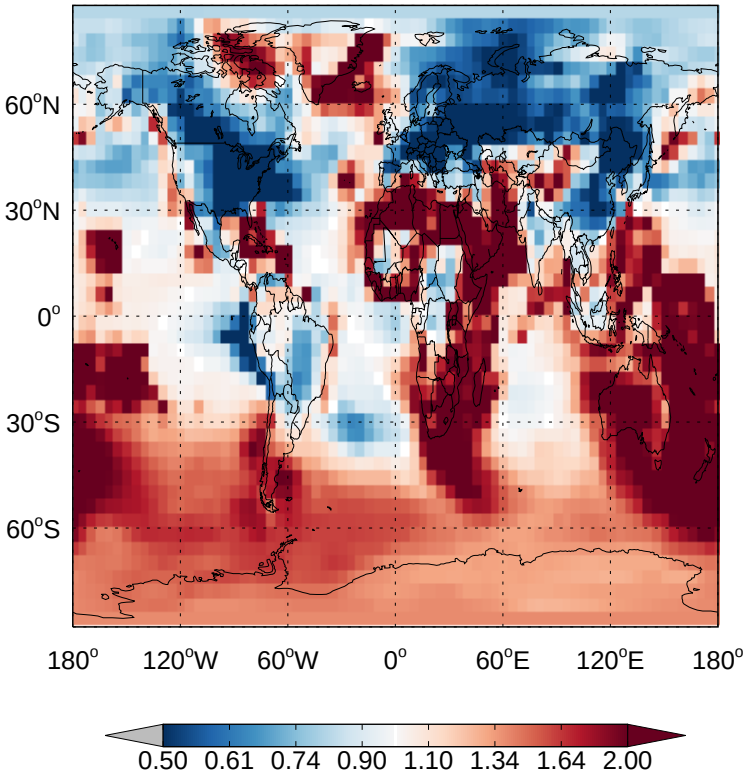
GC_12.0.0 / v11-02f-Run1

HAC/ Ratio @ 500 hPa for Jul



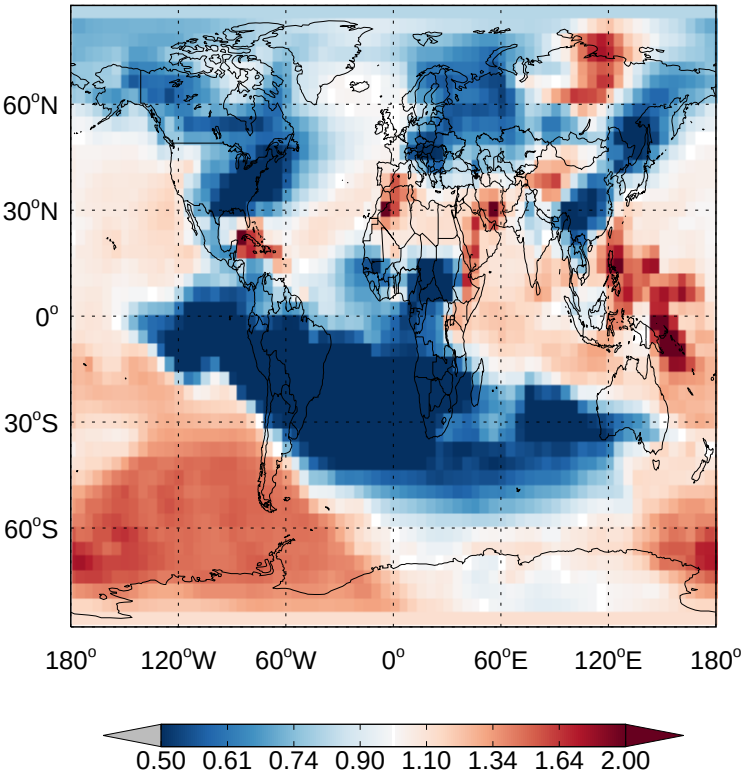
GC_12.0.0 / v11-02e-Run1

HAC / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

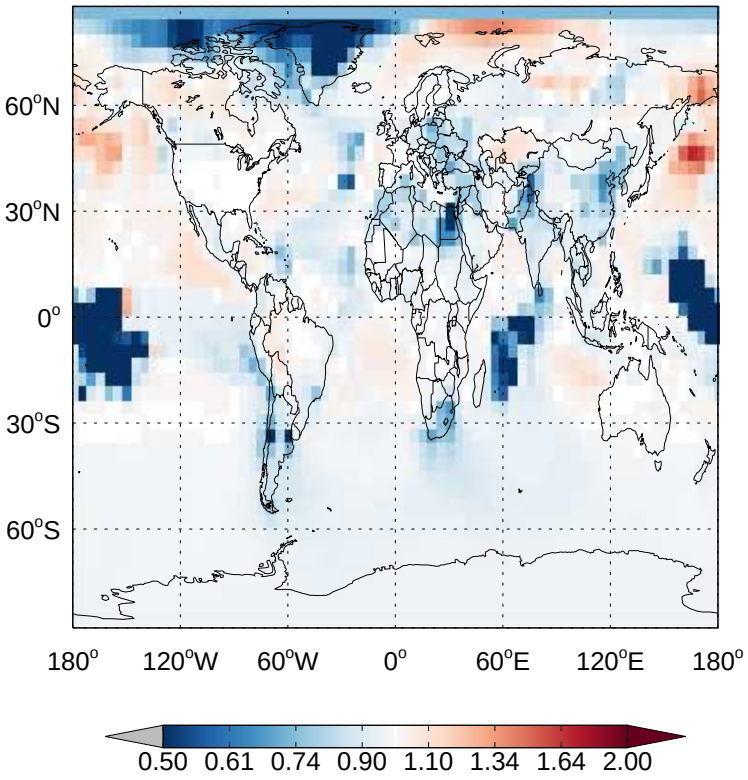
HAC/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

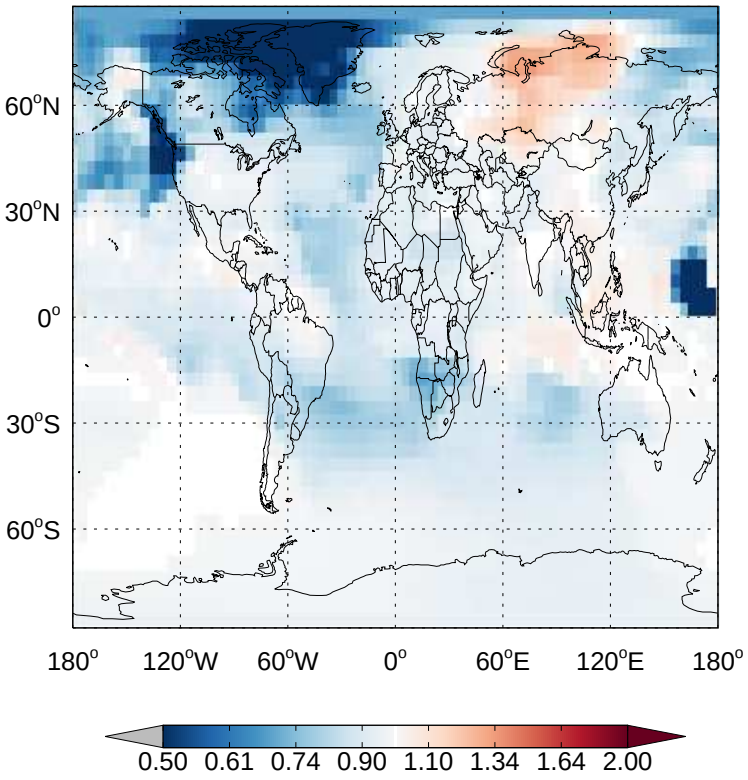
GC_12.0.0 / v11-02f-Run1

GLYC / Ratio @ Surface for Jul



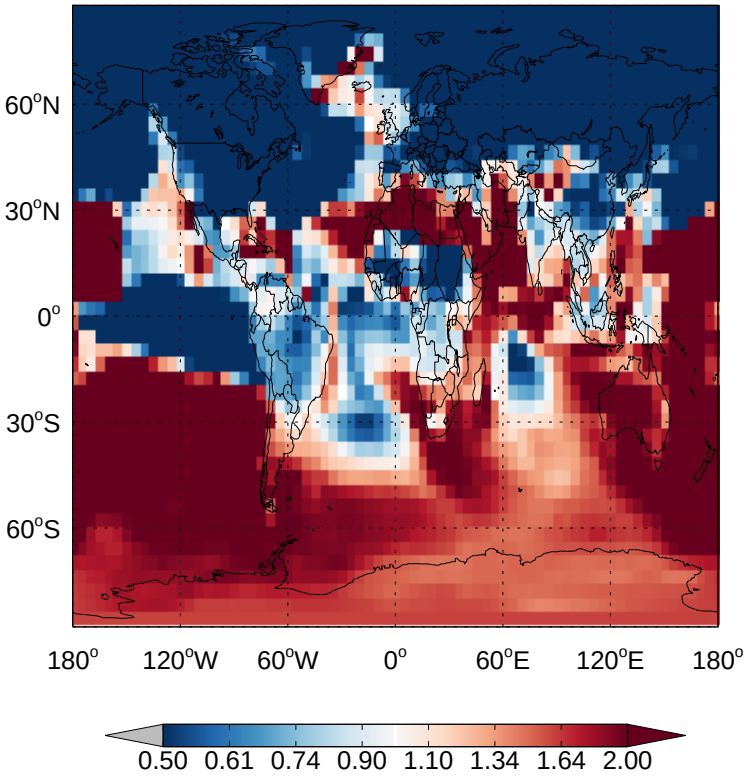
GC_12.0.0 / v11-02f-Run1

GLYC/ Ratio @ 500 hPa for Jul



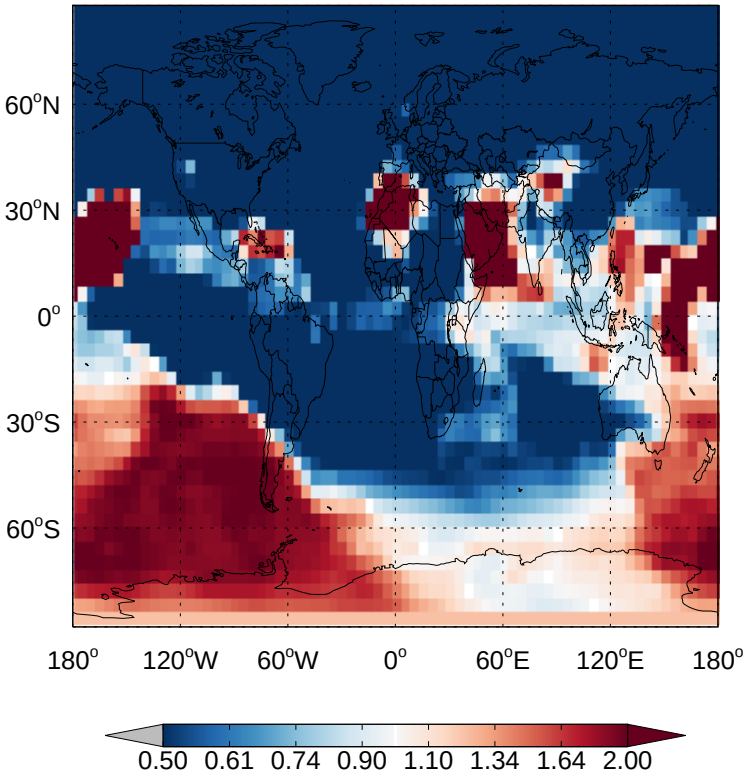
GC_12.0.0 / v11-02e-Run1

GLYC / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

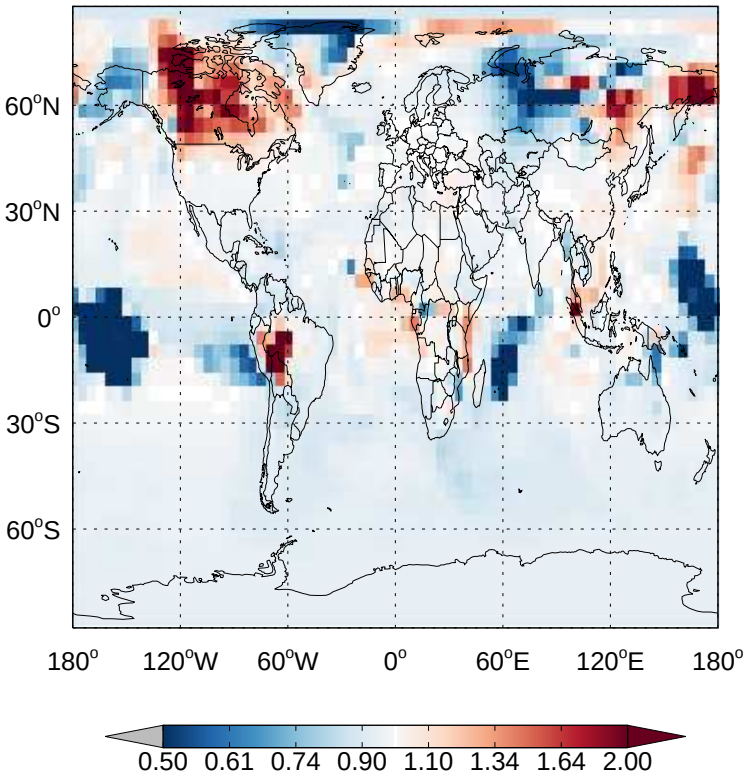
GLYC/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

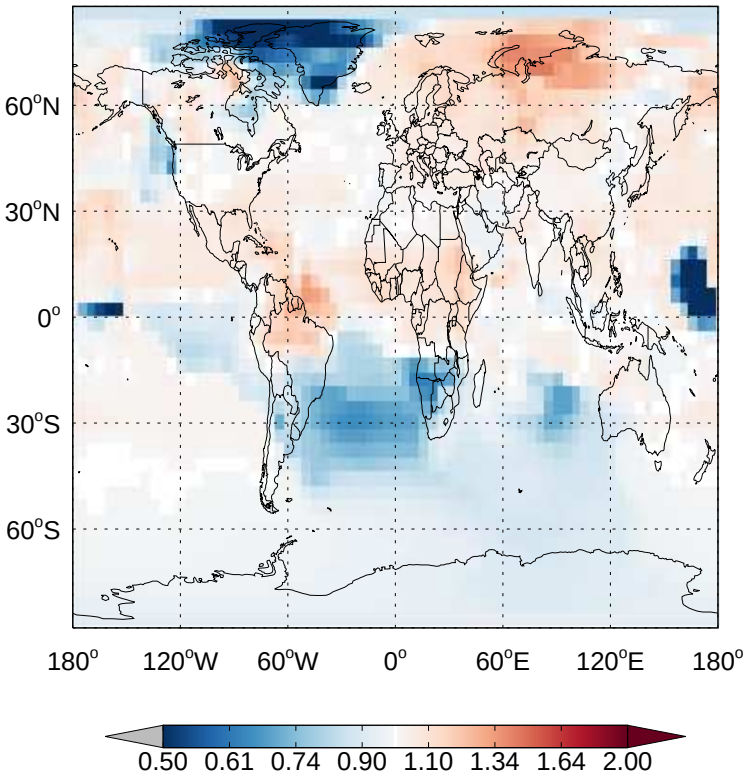
GC_12.0.0 / v11-02f-Run1

MVKN / Ratio @ Surface for Jul



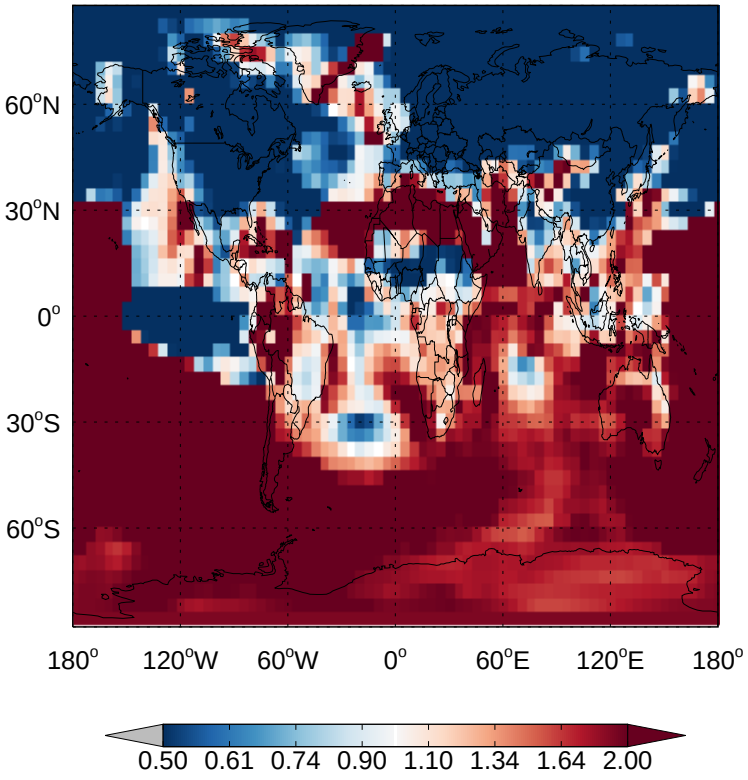
GC_12.0.0 / v11-02f-Run1

MVKN/ Ratio @ 500 hPa for Jul



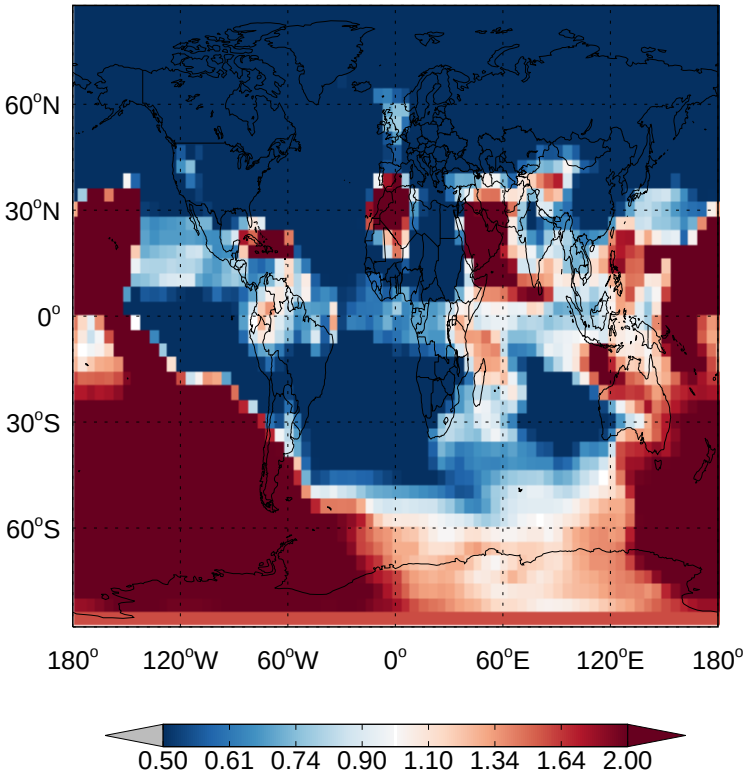
GC_12.0.0 / v11-02e-Run1

MVKN / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

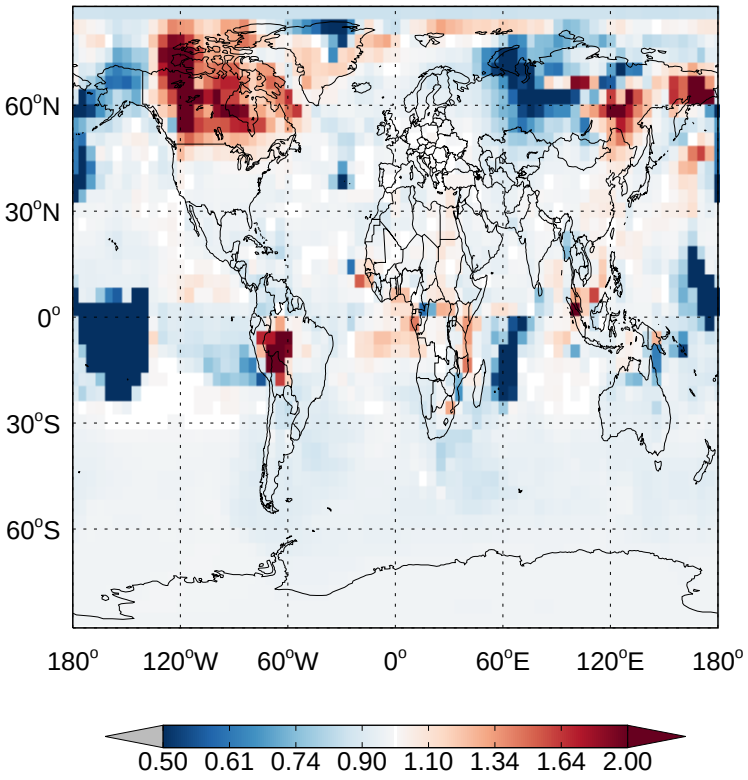
MVKN/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

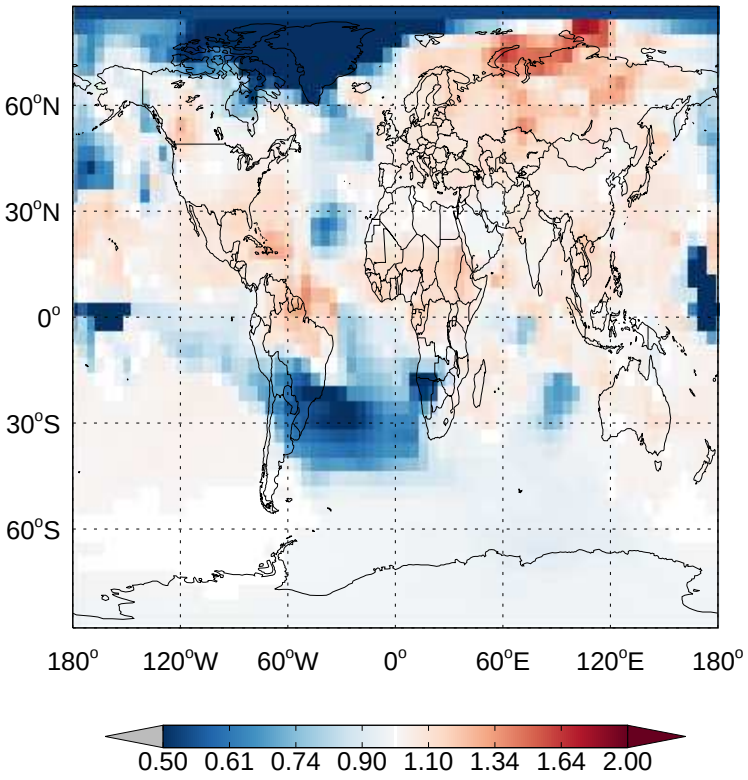
GC_12.0.0 / v11-02f-Run1

MACRN / Ratio @ Surface for Jul



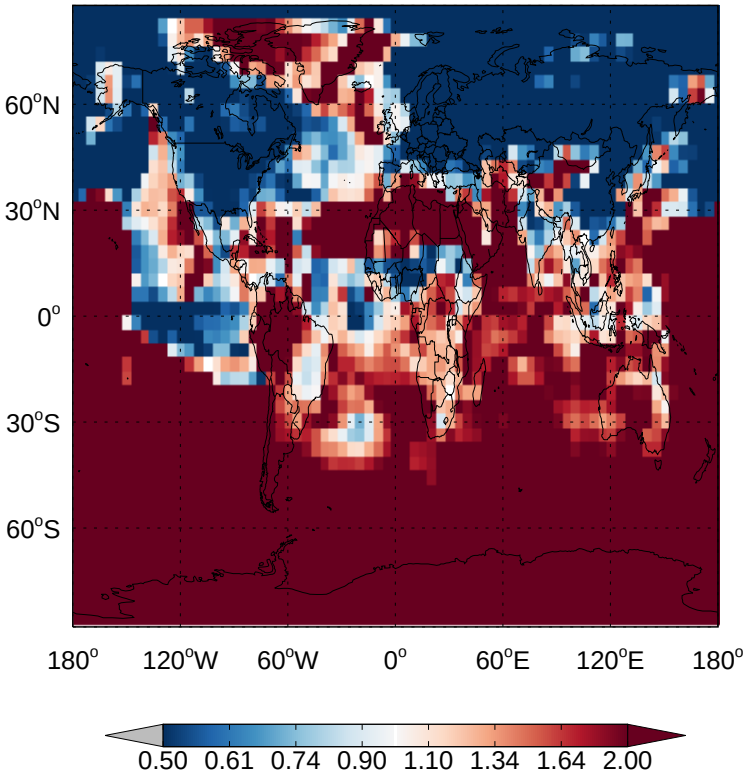
GC_12.0.0 / v11-02f-Run1

MACRN/ Ratio @ 500 hPa for Jul



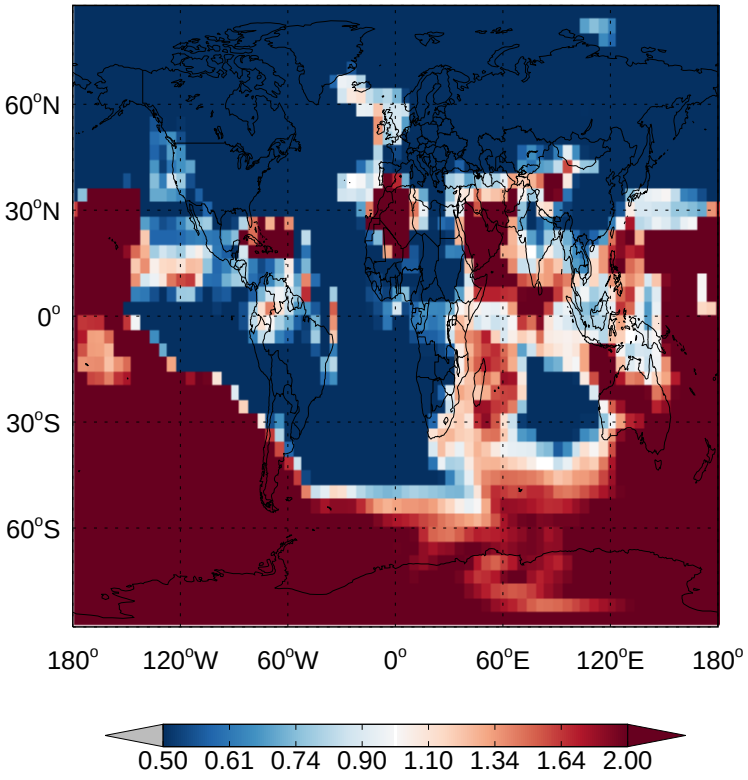
GC_12.0.0 / v11-02e-Run1

MACRN / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

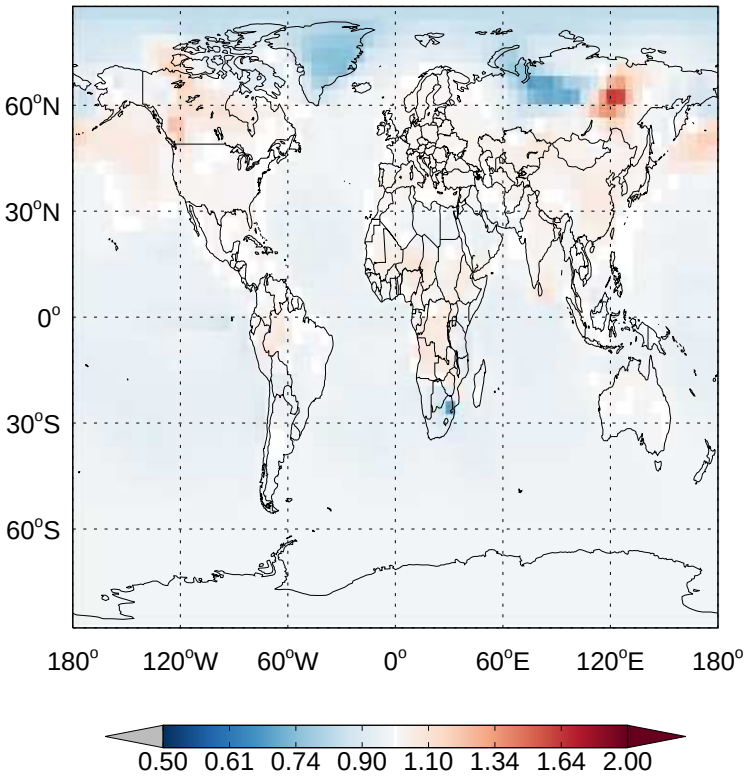
MACRN/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

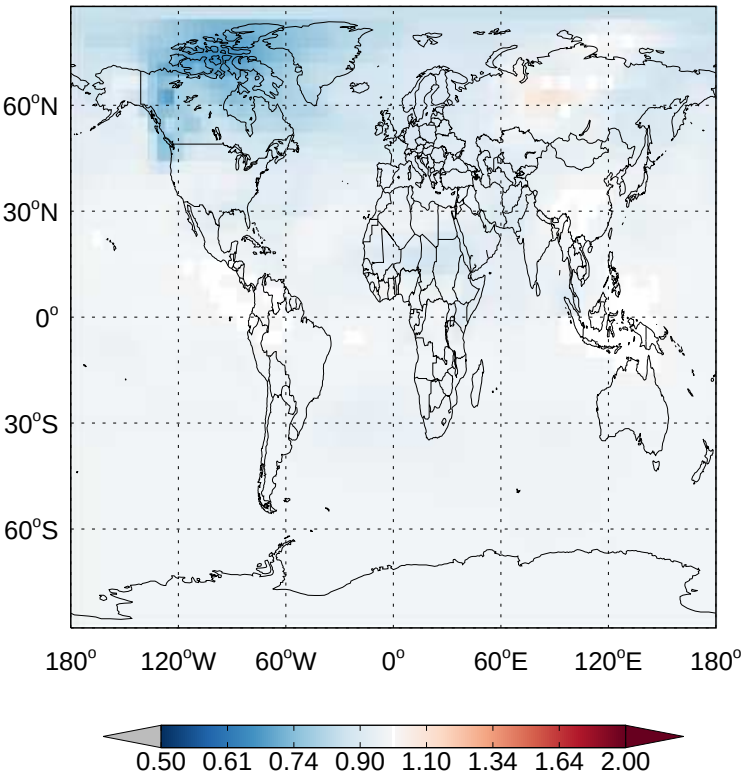
GC_12.0.0 / v11-02f-Run1

MAP / Ratio @ Surface for Jul



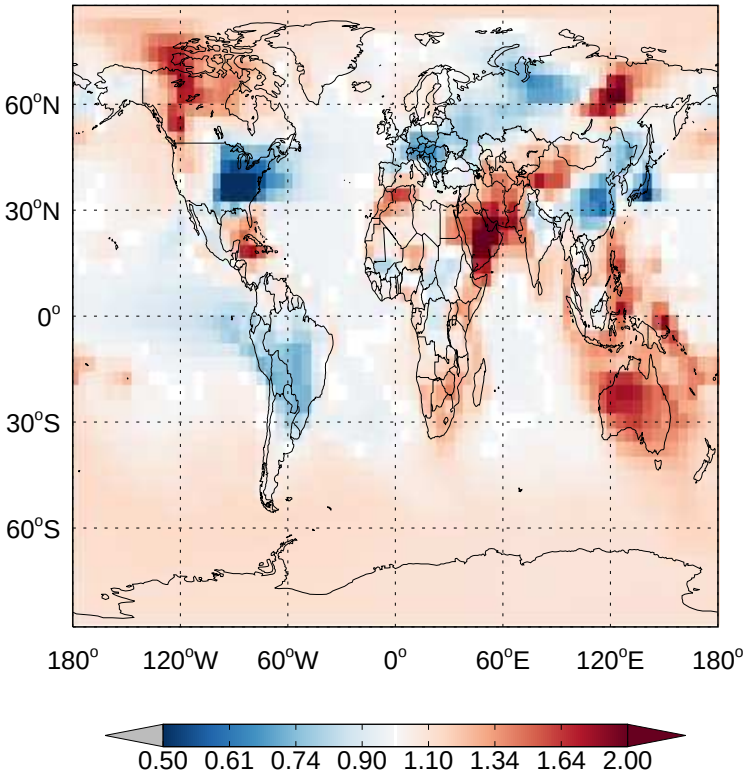
GC_12.0.0 / v11-02f-Run1

MAP/ Ratio @ 500 hPa for Jul



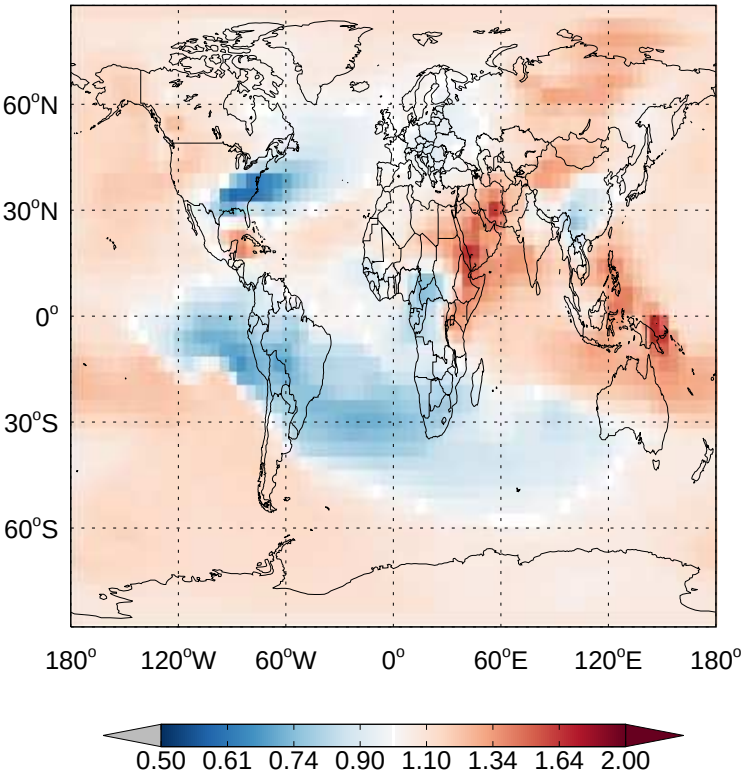
GC_12.0.0 / v11-02e-Run1

MAP / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

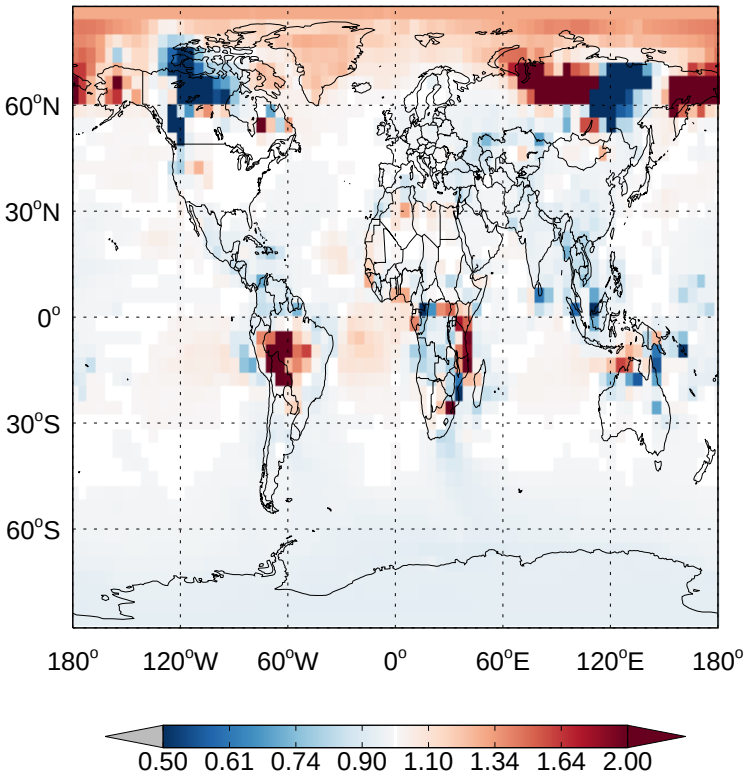
MAP/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

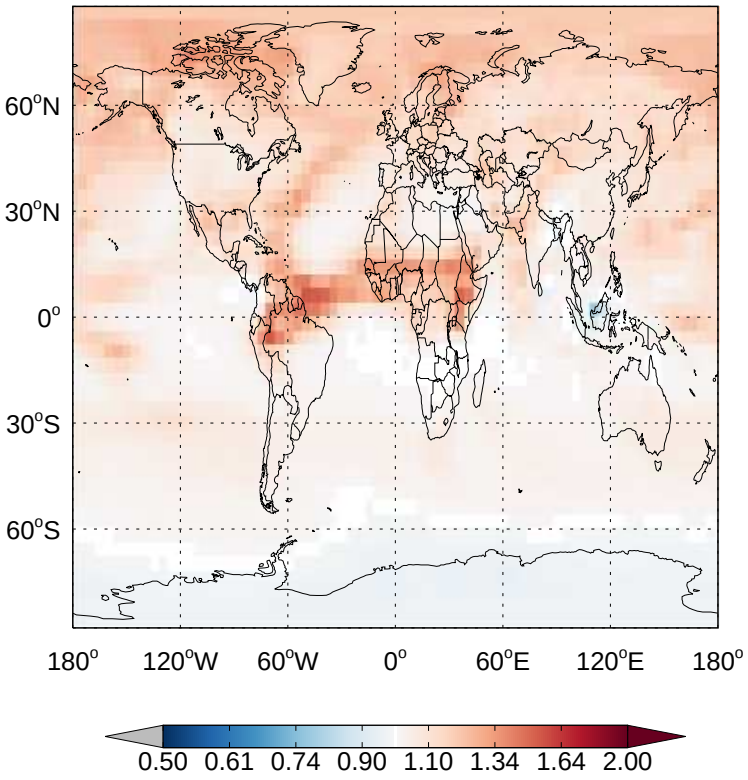
GC_12.0.0 / v11-02f-Run1

NO2 / Ratio @ Surface for Jul



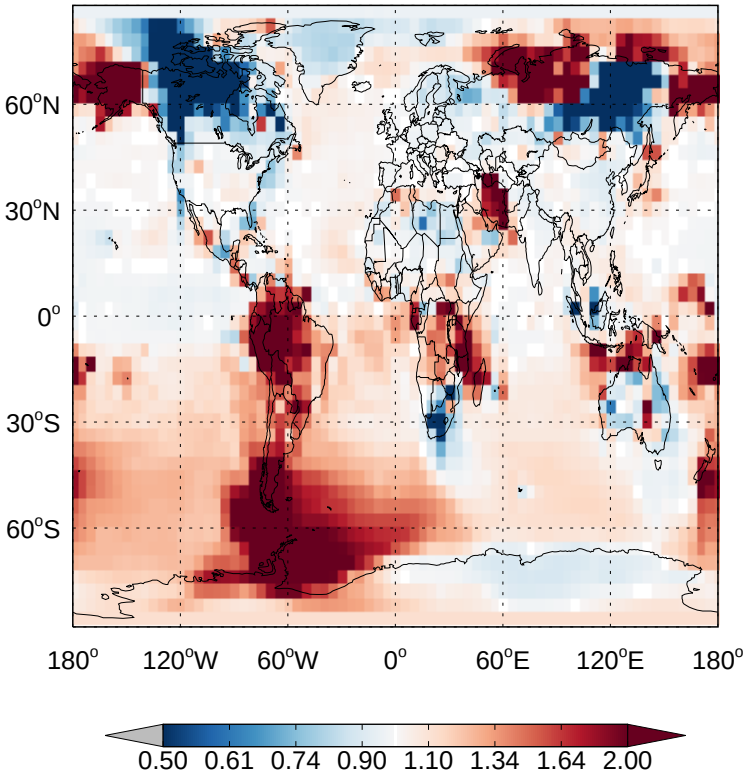
GC_12.0.0 / v11-02f-Run1

NO2/ Ratio @ 500 hPa for Jul



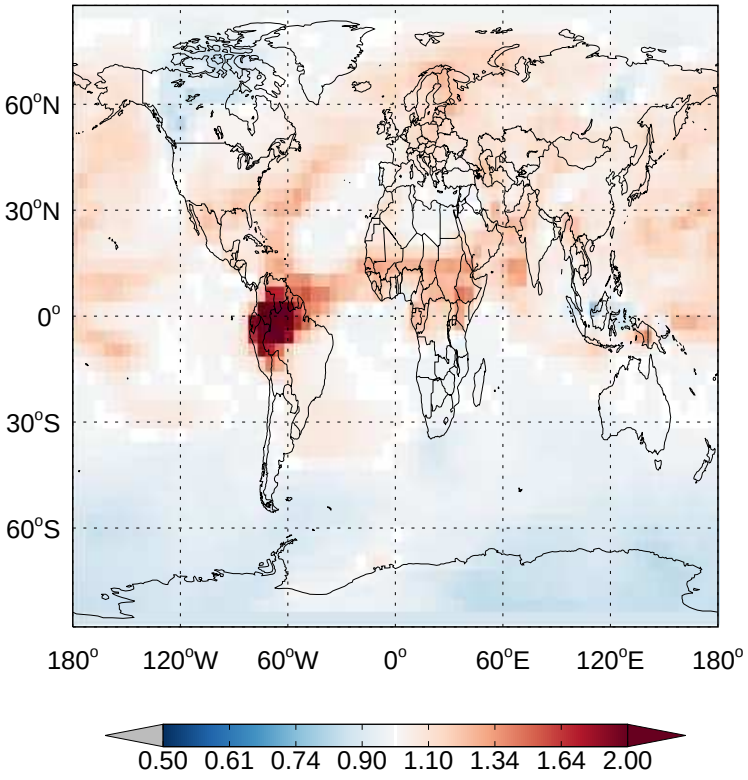
GC_12.0.0 / v11-02e-Run1

NO2 / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

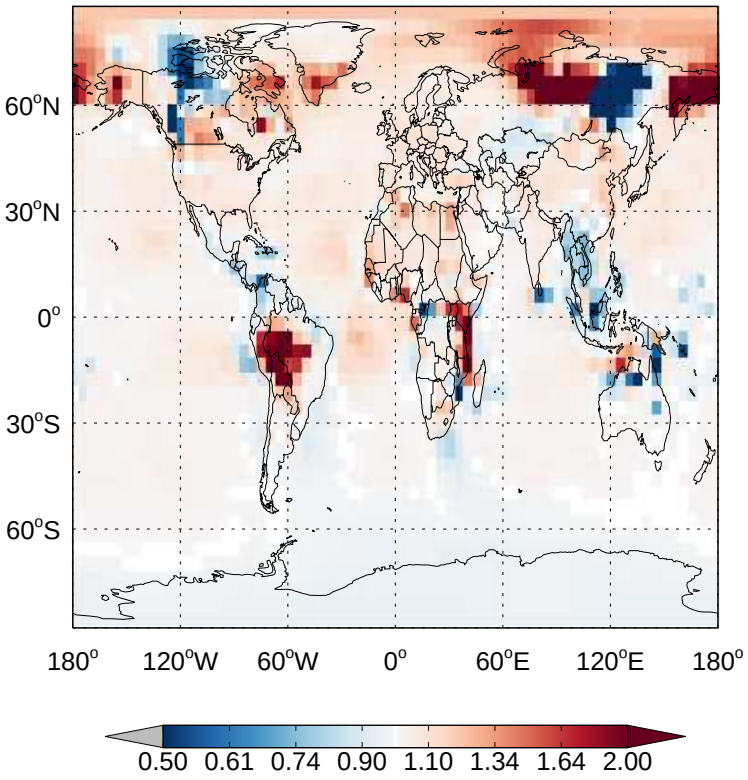
NO2/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

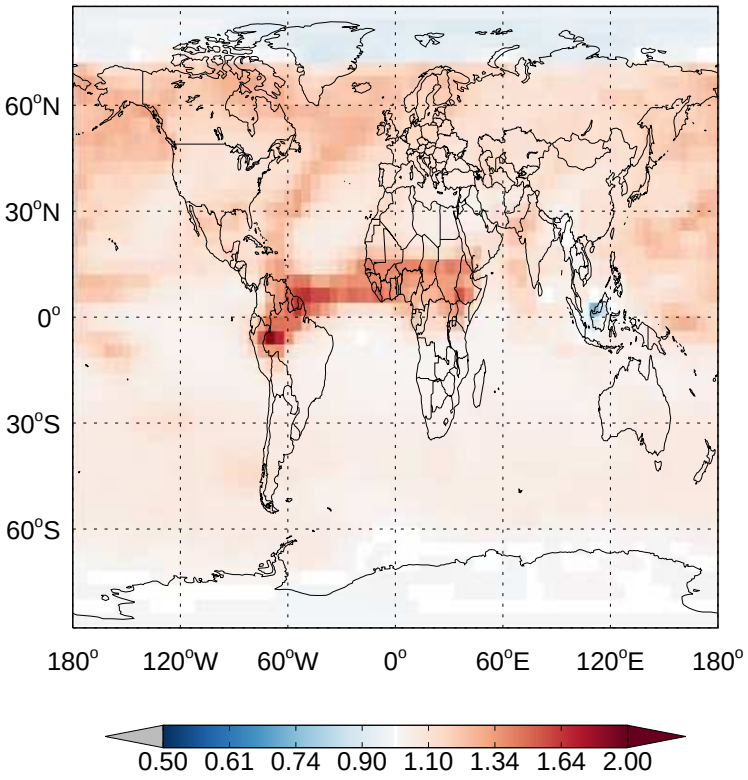
GC_12.0.0 / v11-02f-Run1

NO3 / Ratio @ Surface for Jul



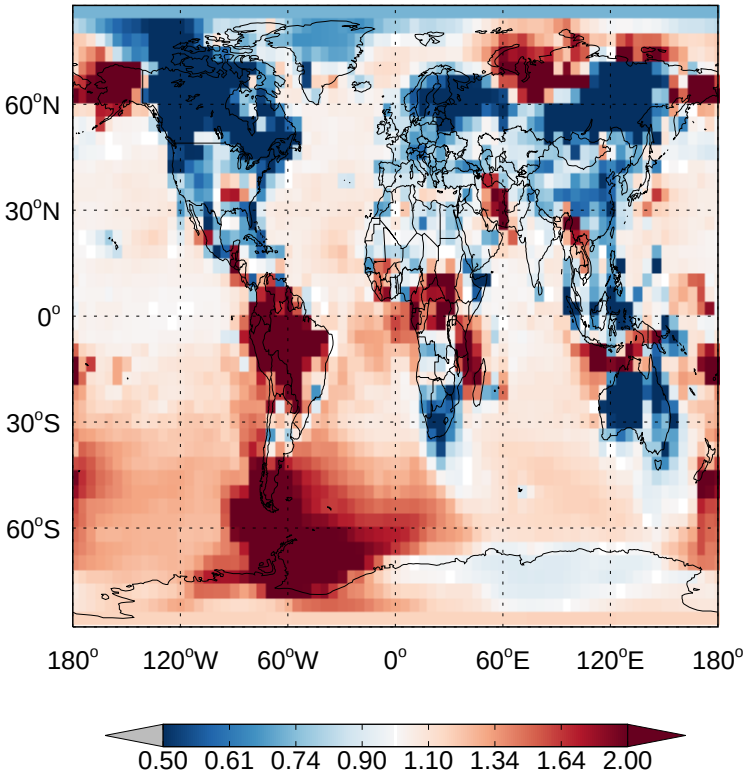
GC_12.0.0 / v11-02f-Run1

NO3/ Ratio @ 500 hPa for Jul



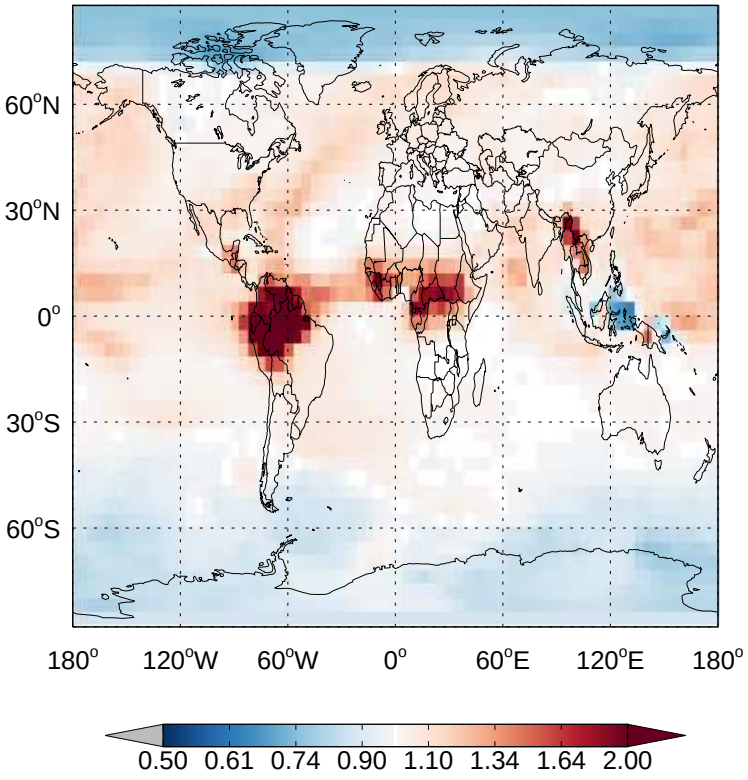
GC_12.0.0 / v11-02e-Run1

NO3 / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

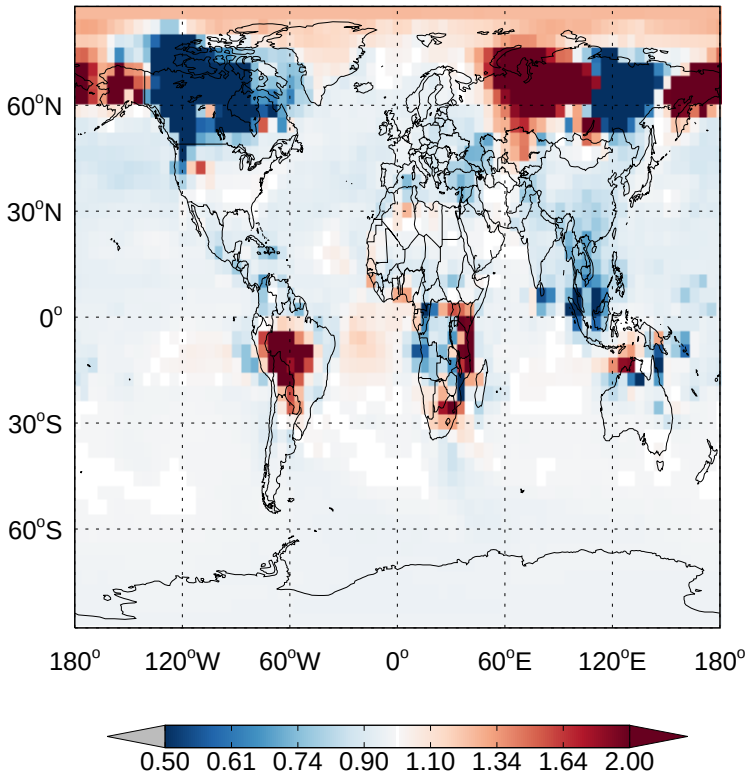
NO3/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

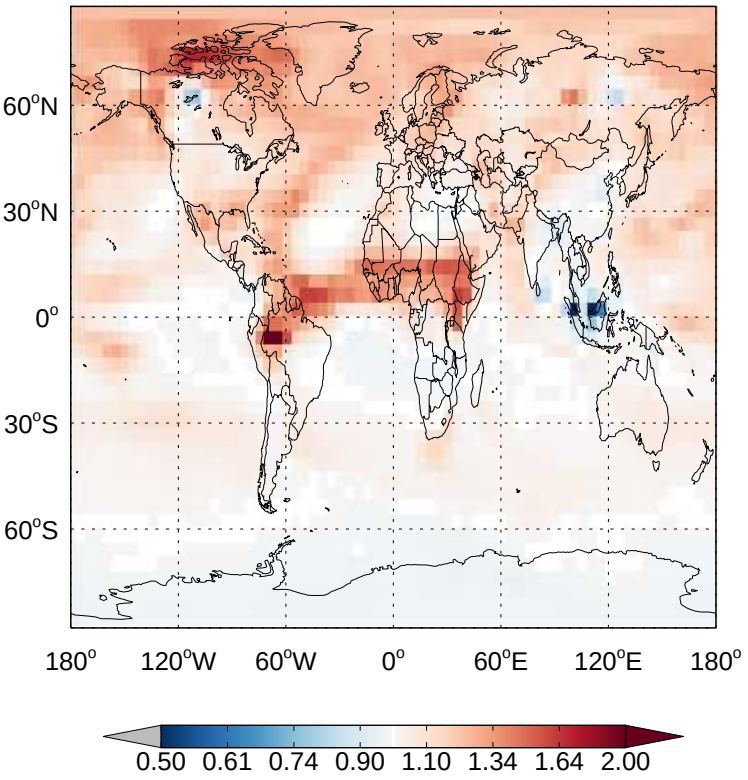
GC_12.0.0 / v11-02f-Run1

HNO2 / Ratio @ Surface for Jul



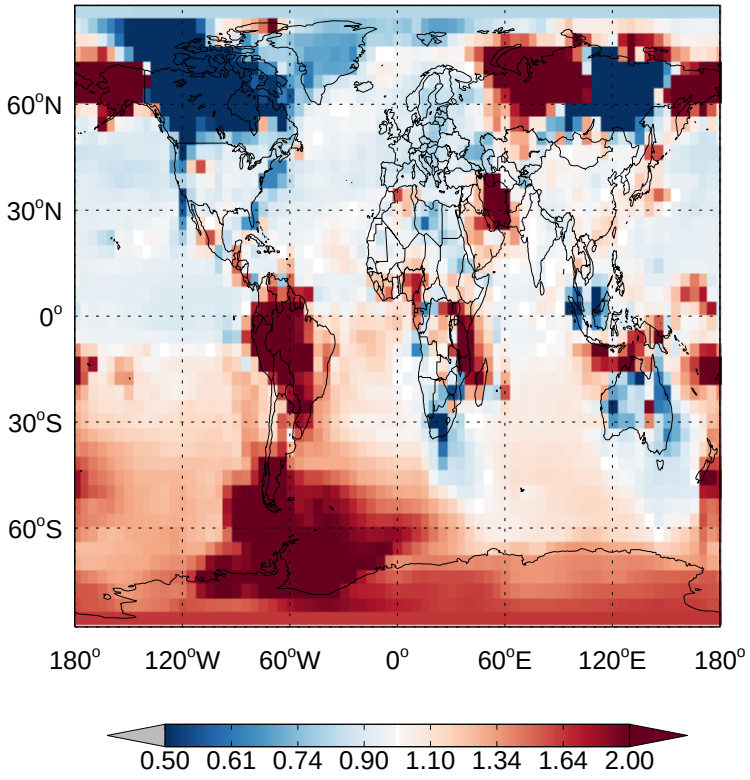
GC_12.0.0 / v11-02f-Run1

HNO2/ Ratio @ 500 hPa for Jul



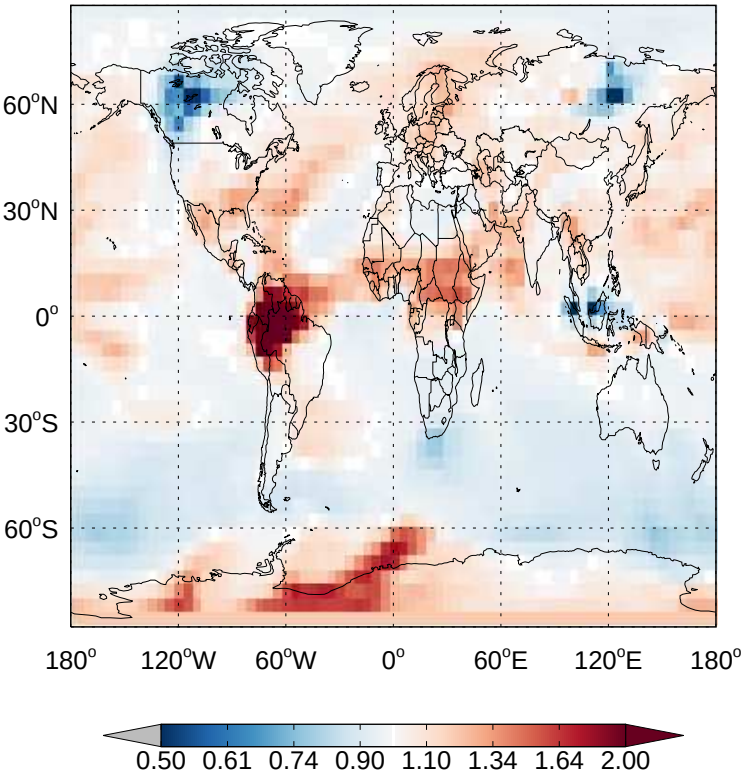
GC_12.0.0 / v11-02e-Run1

HNO2 / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

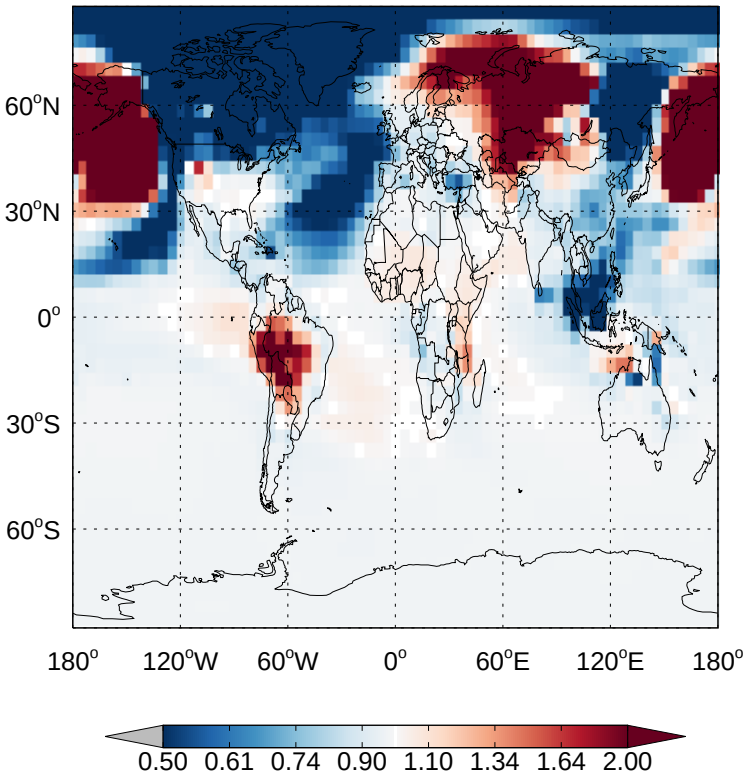
HNO2/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

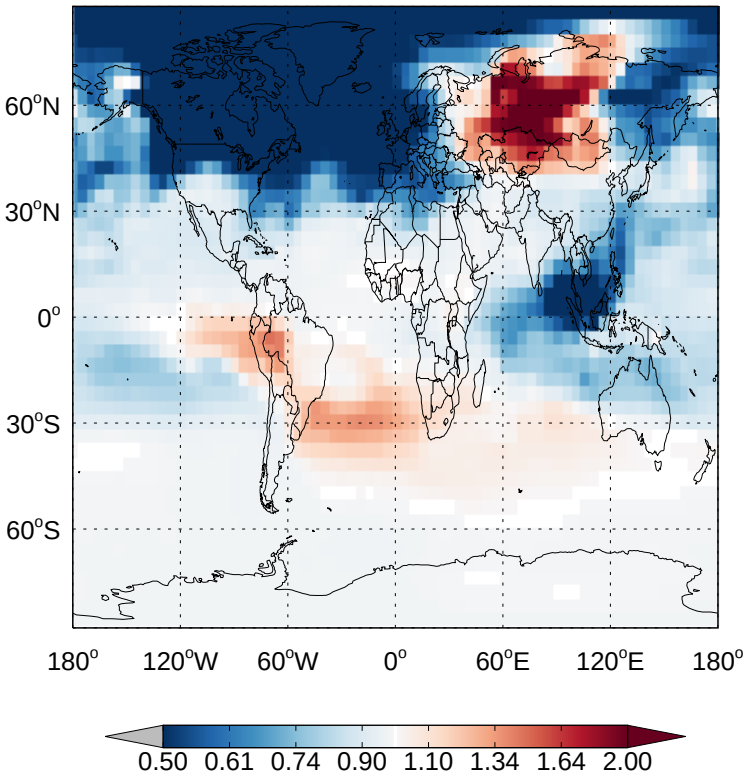
GC_12.0.0 / v11-02f-Run1

BENZ / Ratio @ Surface for Jul



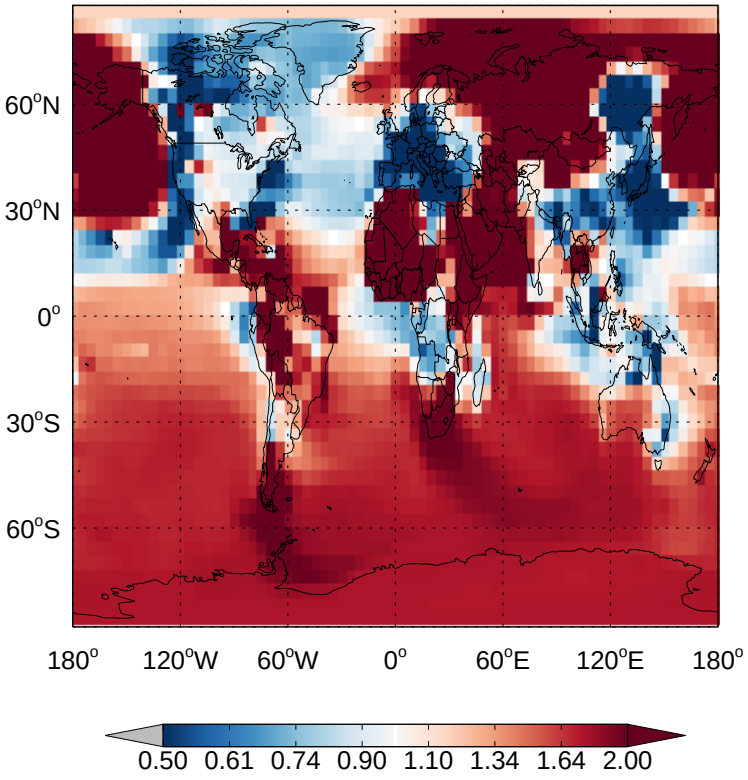
GC_12.0.0 / v11-02f-Run1

BENZ/ Ratio @ 500 hPa for Jul



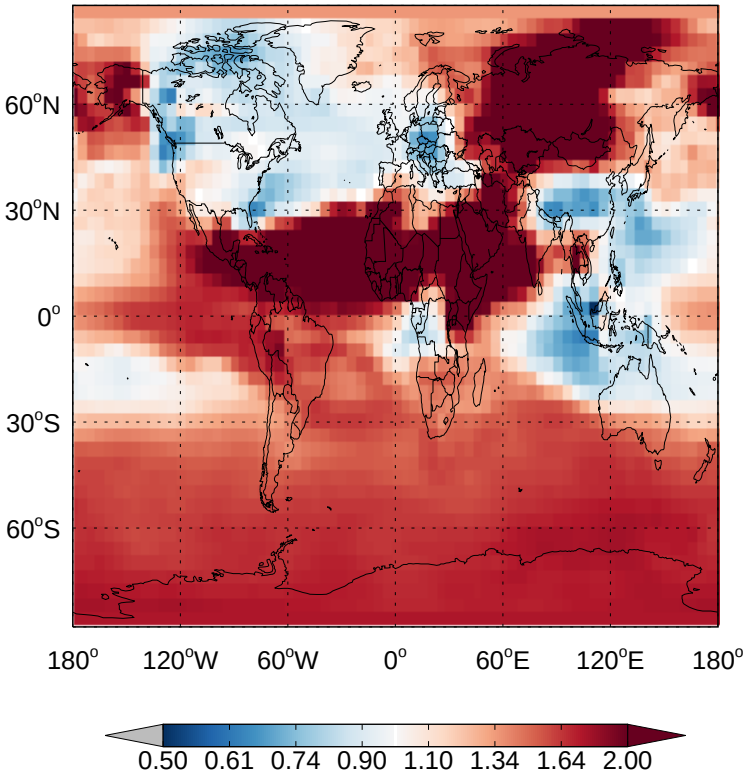
GC_12.0.0 / v11-02e-Run1

BENZ / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

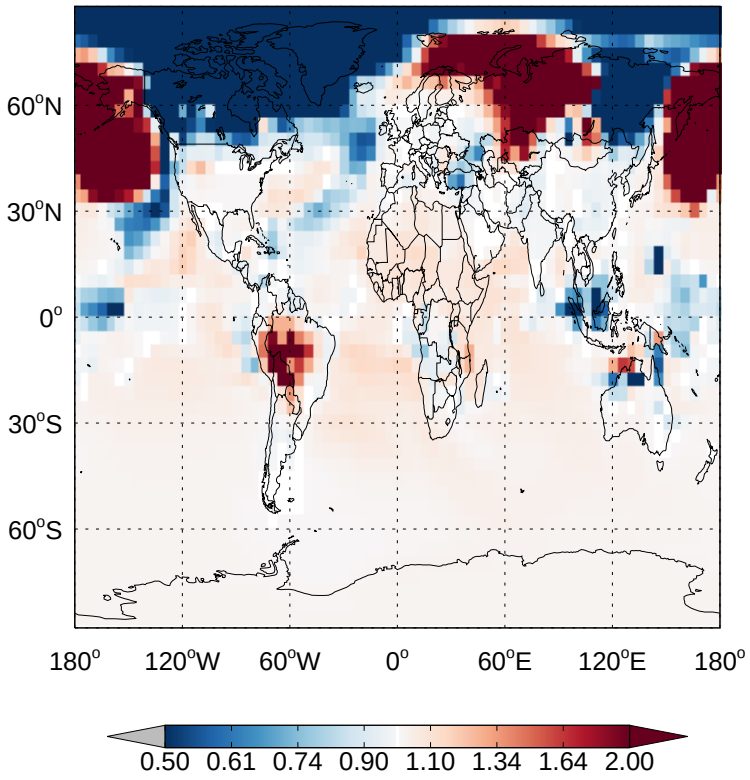
BENZ/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

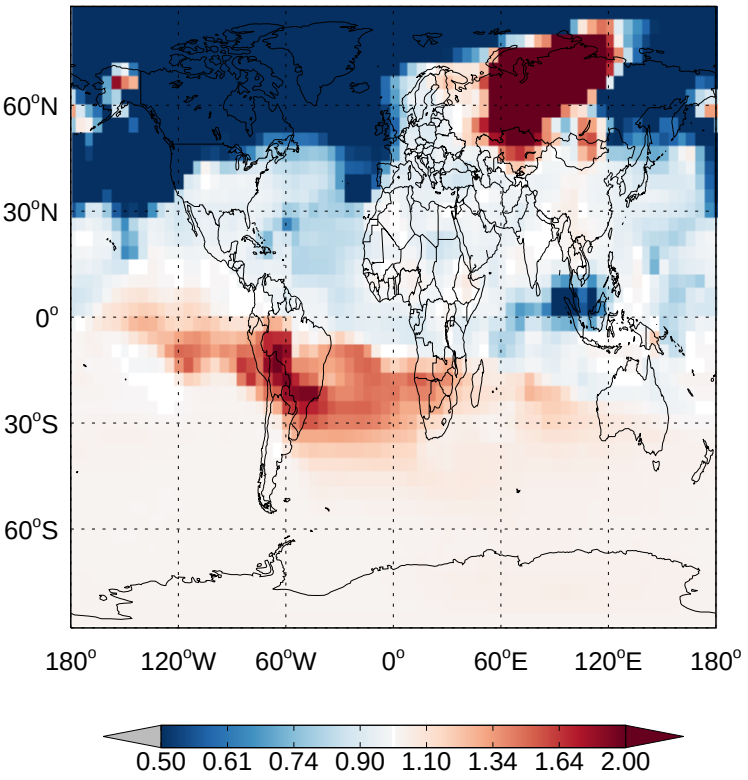
GC_12.0.0 / v11-02f-Run1

TOLU / Ratio @ Surface for Jul



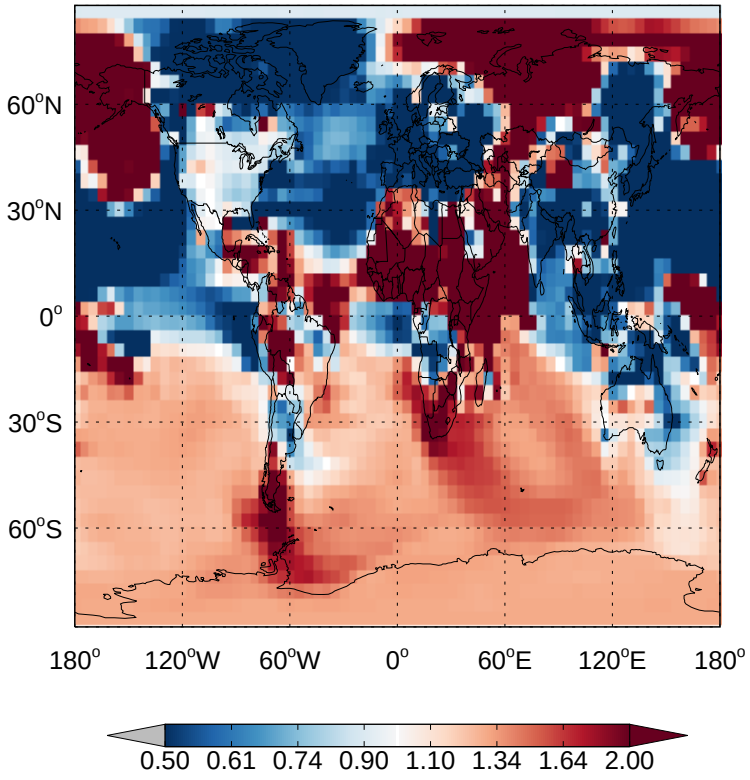
GC_12.0.0 / v11-02f-Run1

TOLU/ Ratio @ 500 hPa for Jul



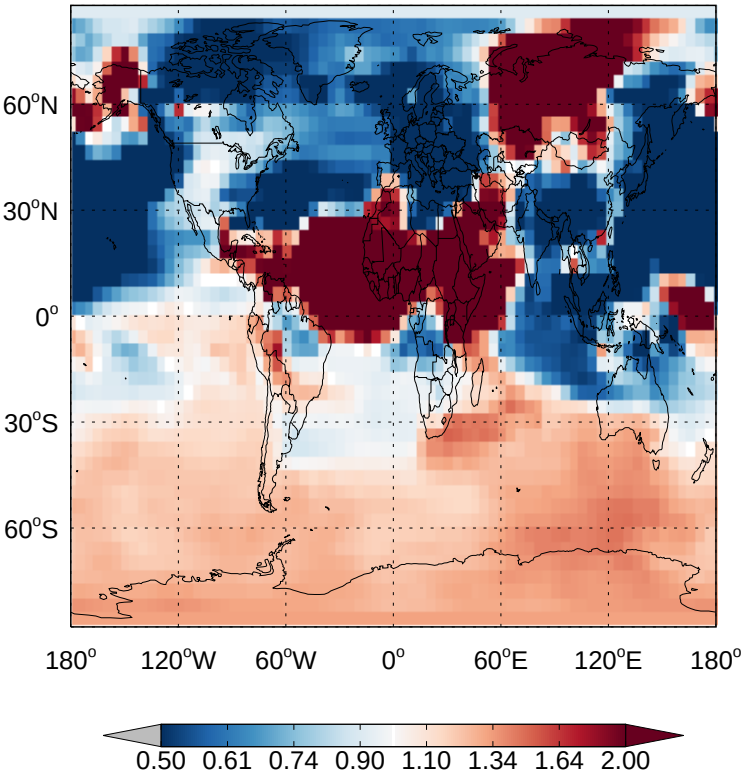
GC_12.0.0 / v11-02e-Run1

TOLU / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

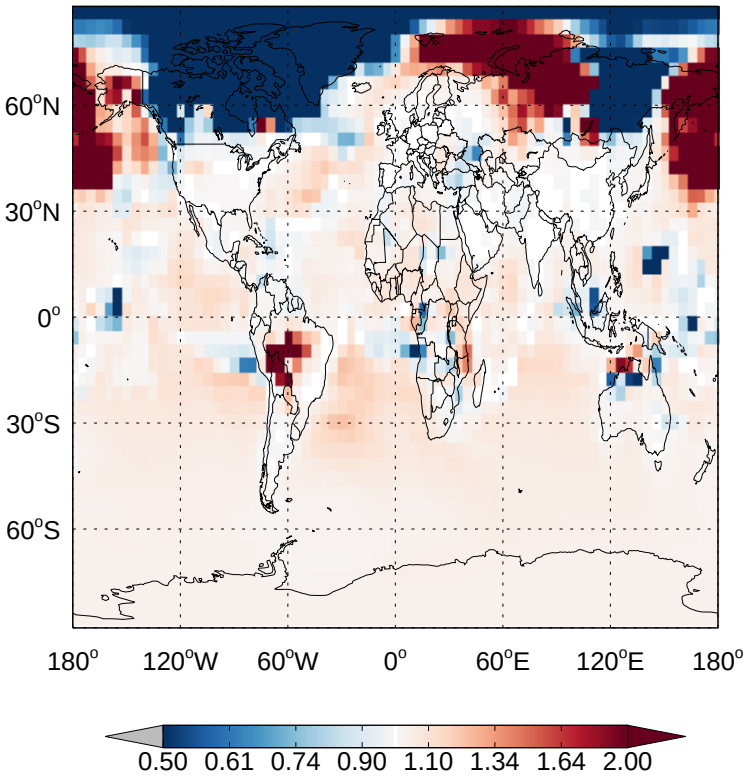
TOLU/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

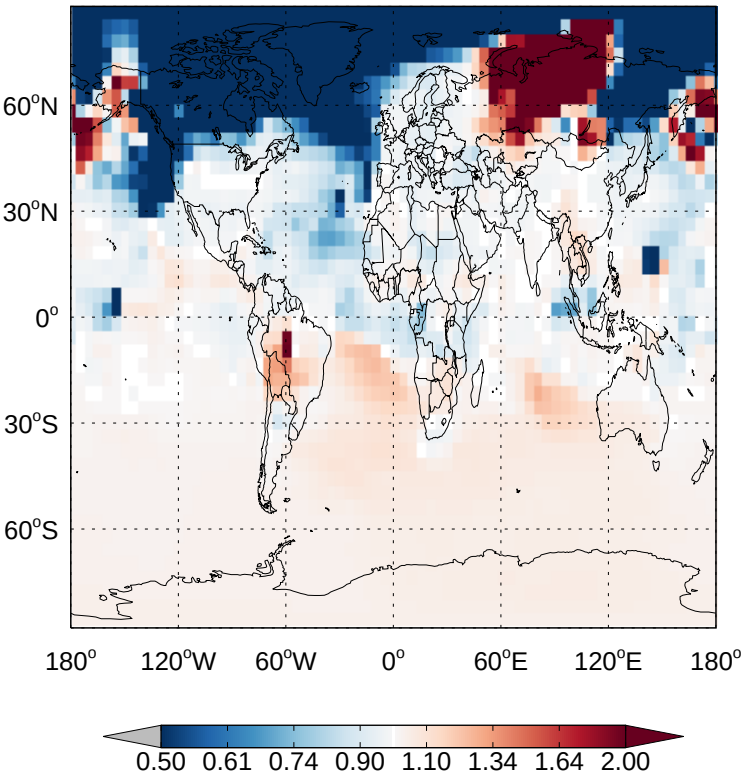
GC_12.0.0 / v11-02f-Run1

XYLE / Ratio @ Surface for Jul



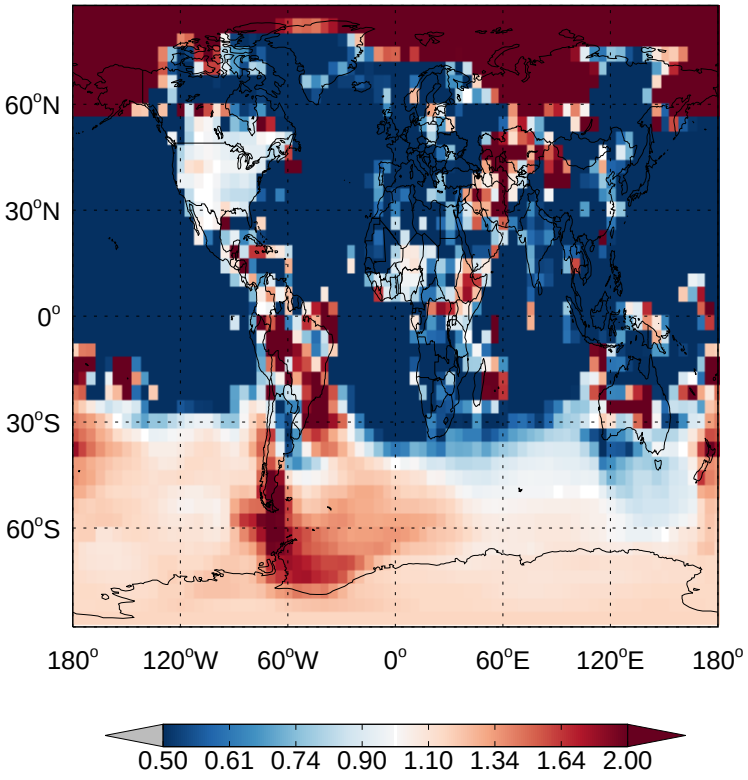
GC_12.0.0 / v11-02f-Run1

XYLE/ Ratio @ 500 hPa for Jul



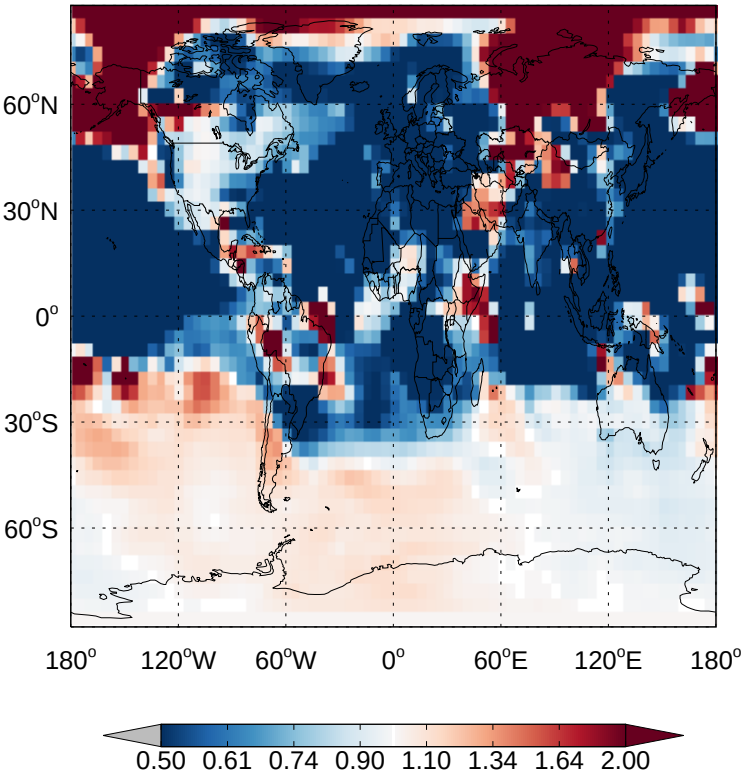
GC_12.0.0 / v11-02e-Run1

XYLE / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

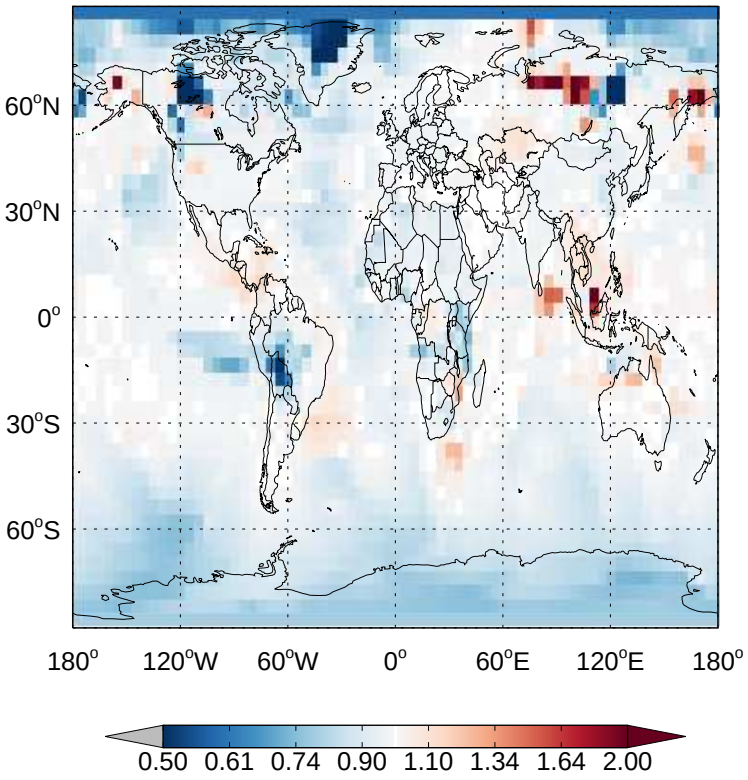
XYLE/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

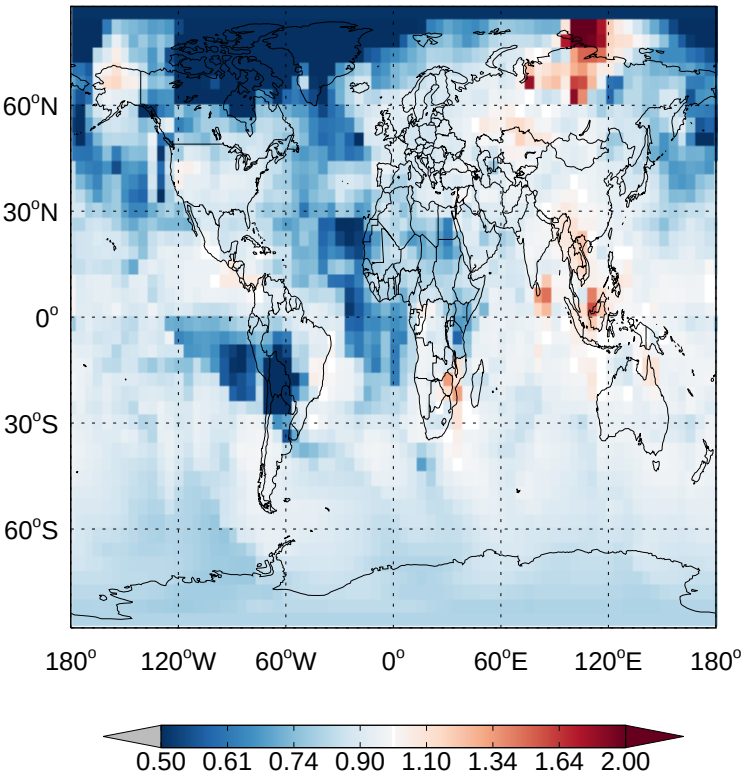
GC_12.0.0 / v11-02f-Run1

MTPA / Ratio @ Surface for Jul



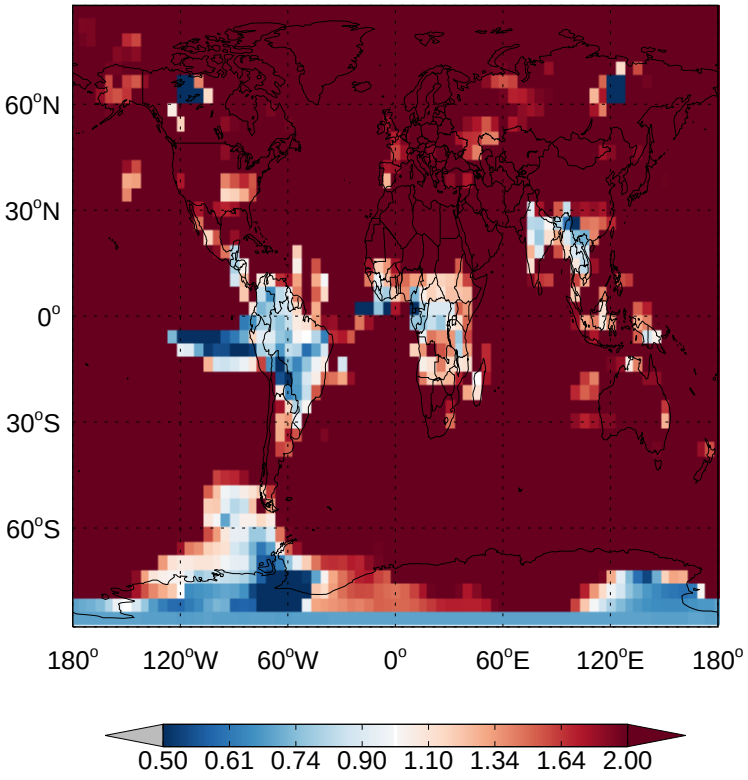
GC_12.0.0 / v11-02f-Run1

MTPA/ Ratio @ 500 hPa for Jul



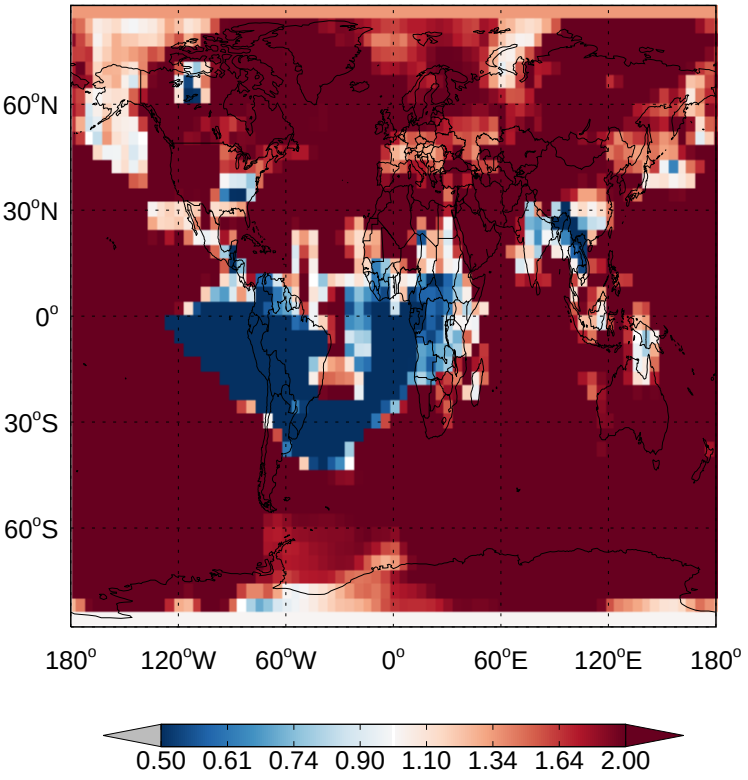
GC_12.0.0 / v11-02e-Run1

MTPA / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

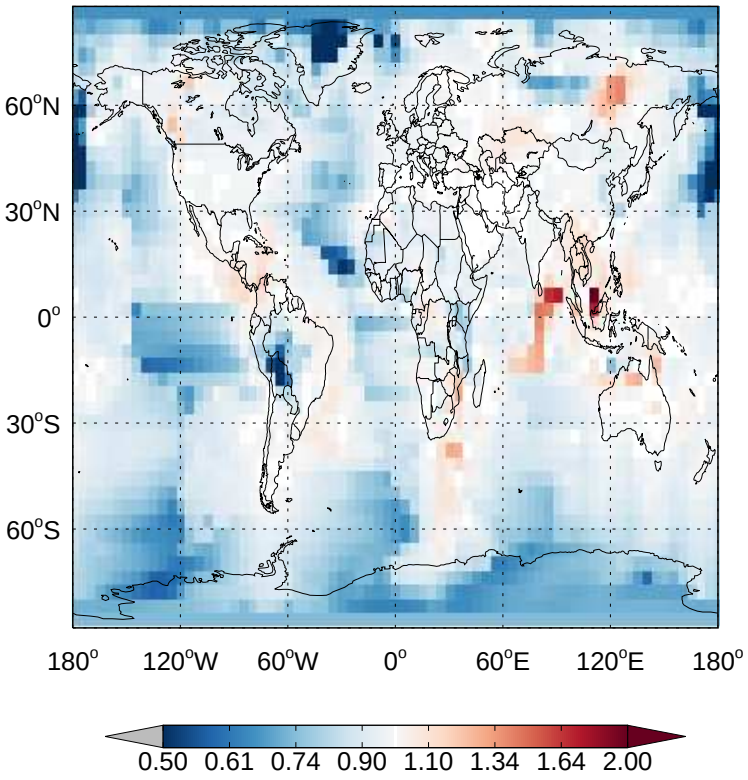
MTPA/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

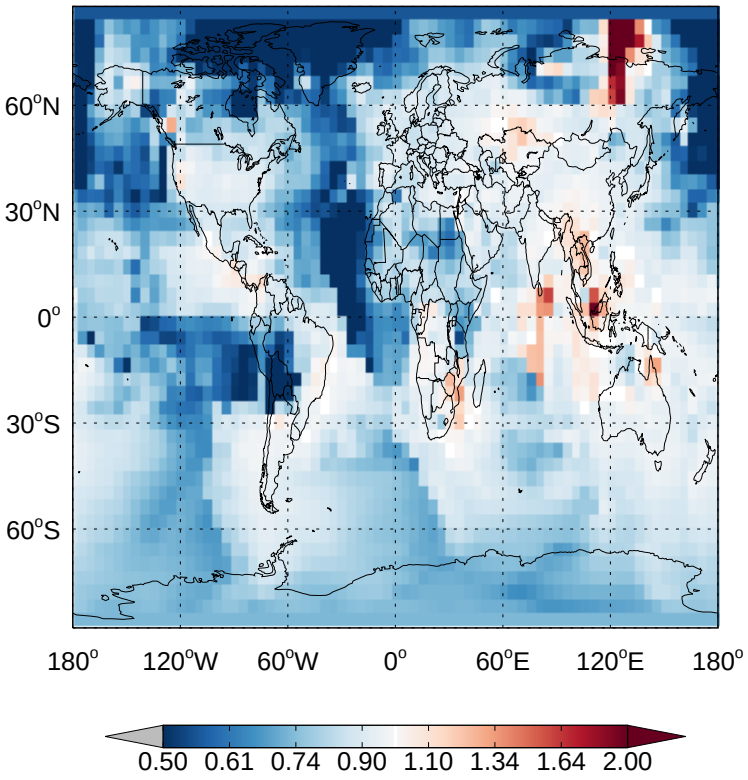
GC_12.0.0 / v11-02f-Run1

LIMO / Ratio @ Surface for Jul



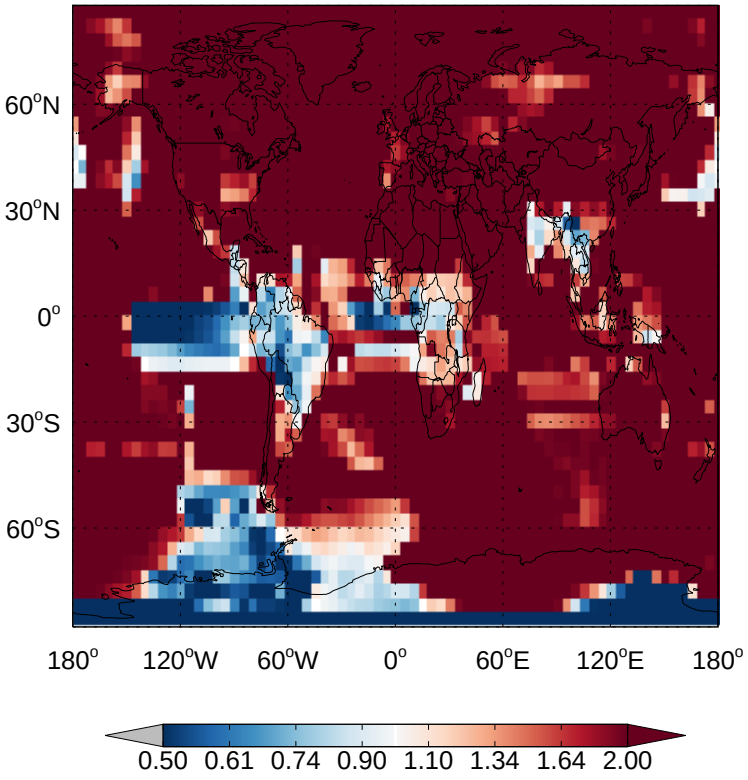
GC_12.0.0 / v11-02f-Run1

LIMO/ Ratio @ 500 hPa for Jul



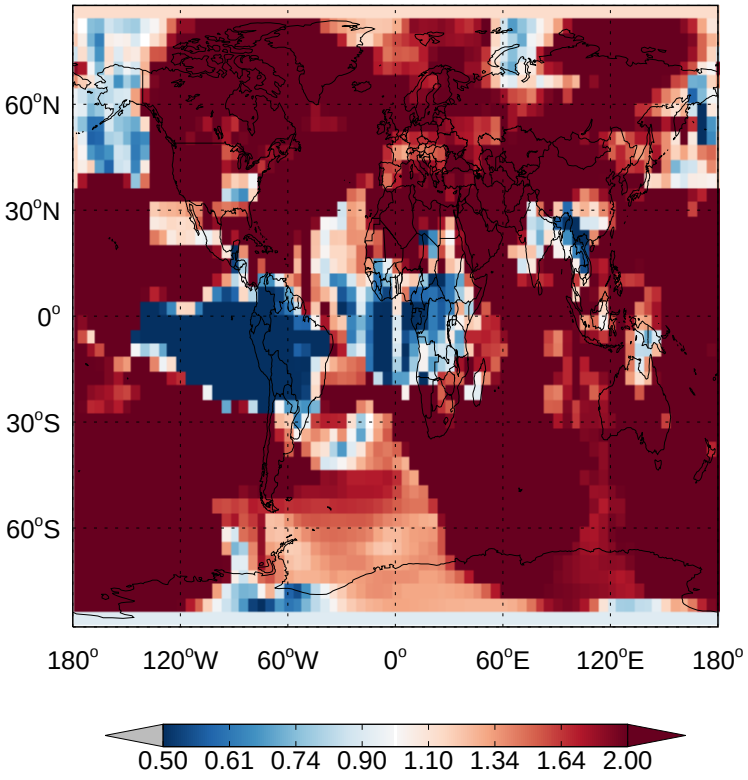
GC_12.0.0 / v11-02e-Run1

LIMO / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

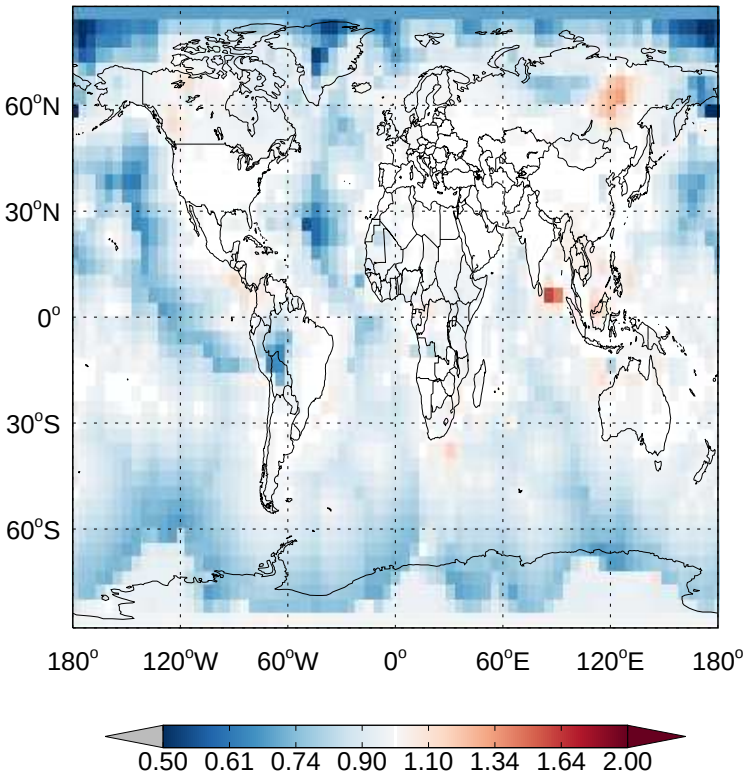
LIMO/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

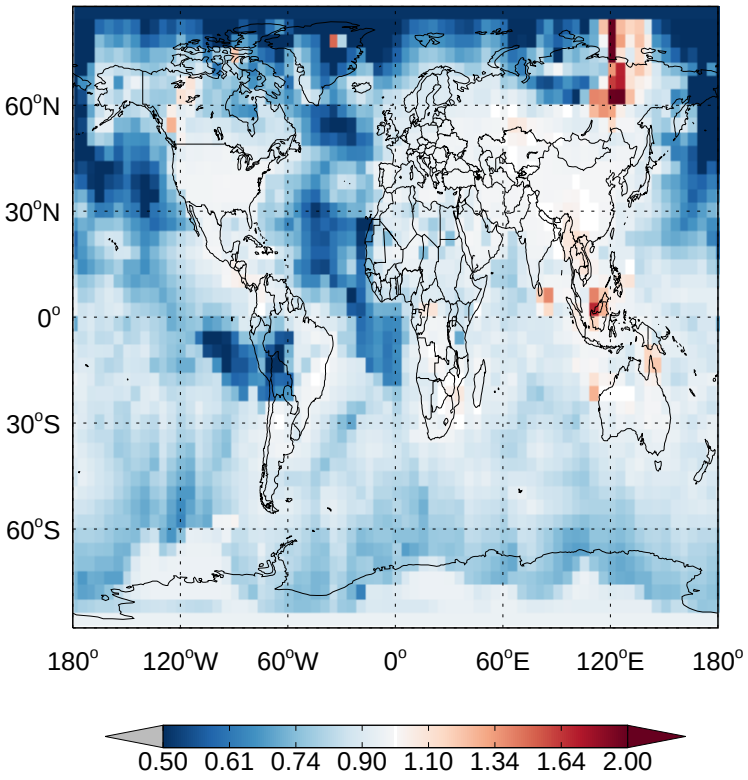
GC_12.0.0 / v11-02f-Run1

MTPO / Ratio @ Surface for Jul



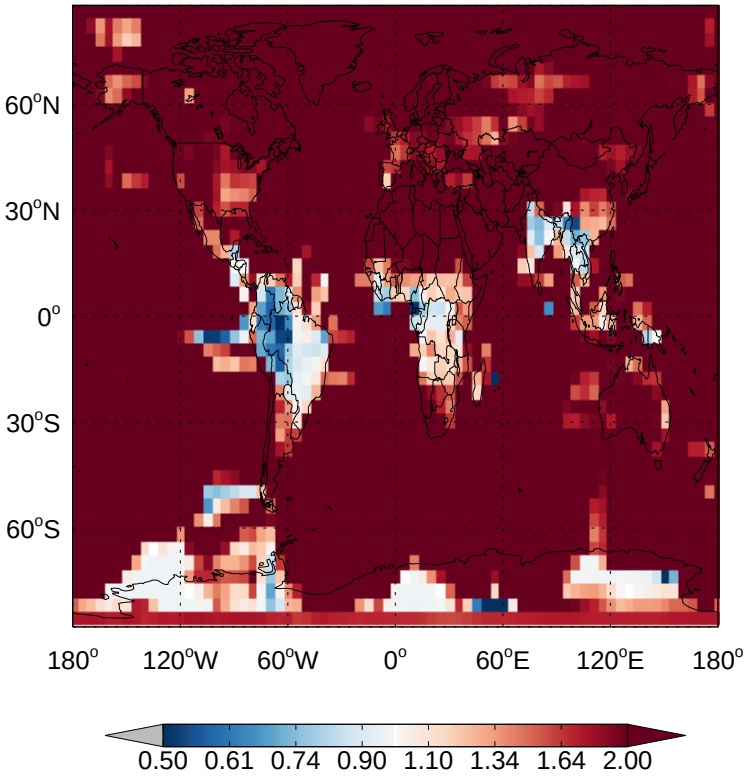
GC_12.0.0 / v11-02f-Run1

MTPO/ Ratio @ 500 hPa for Jul



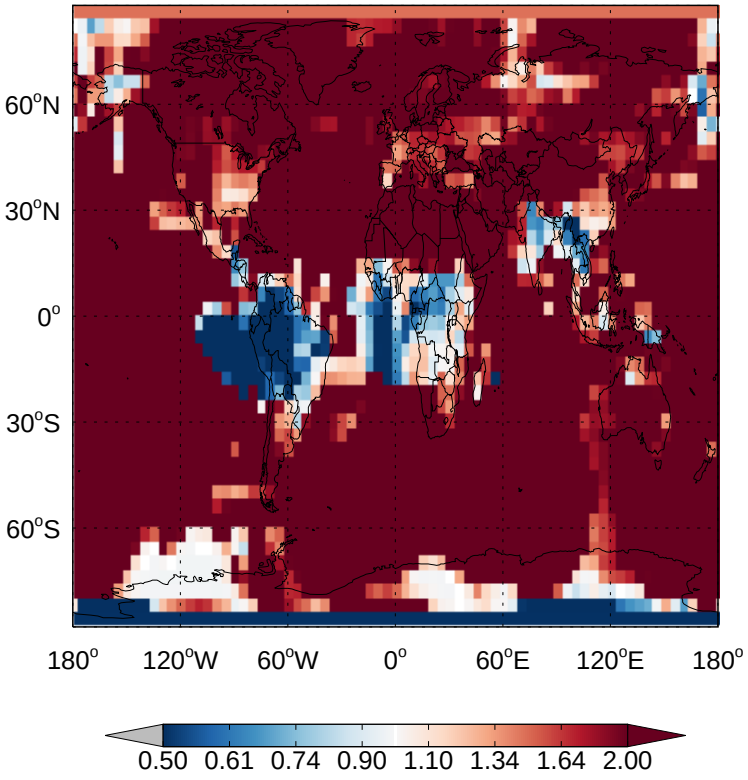
GC_12.0.0 / v11-02e-Run1

MTPO / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

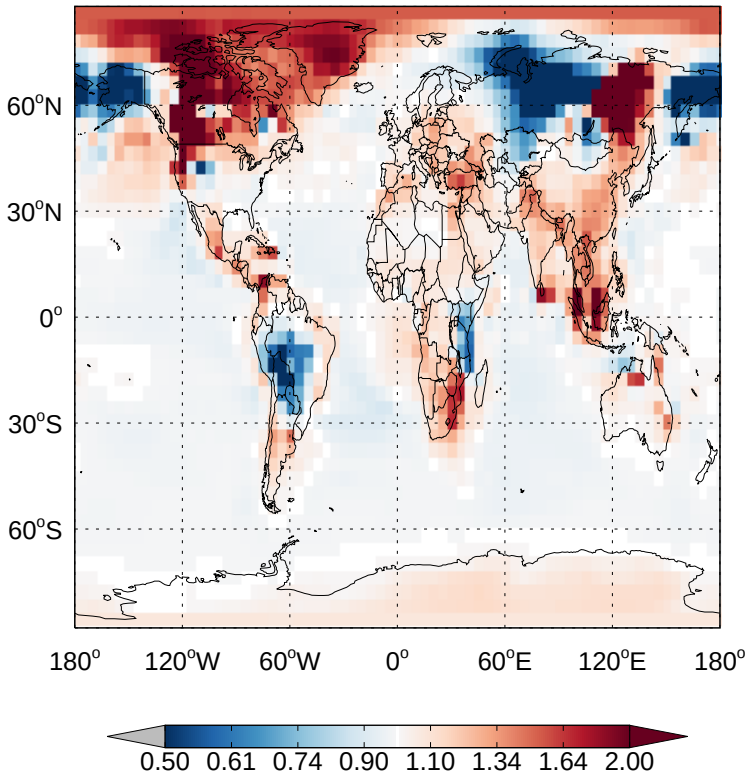
MTPO/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

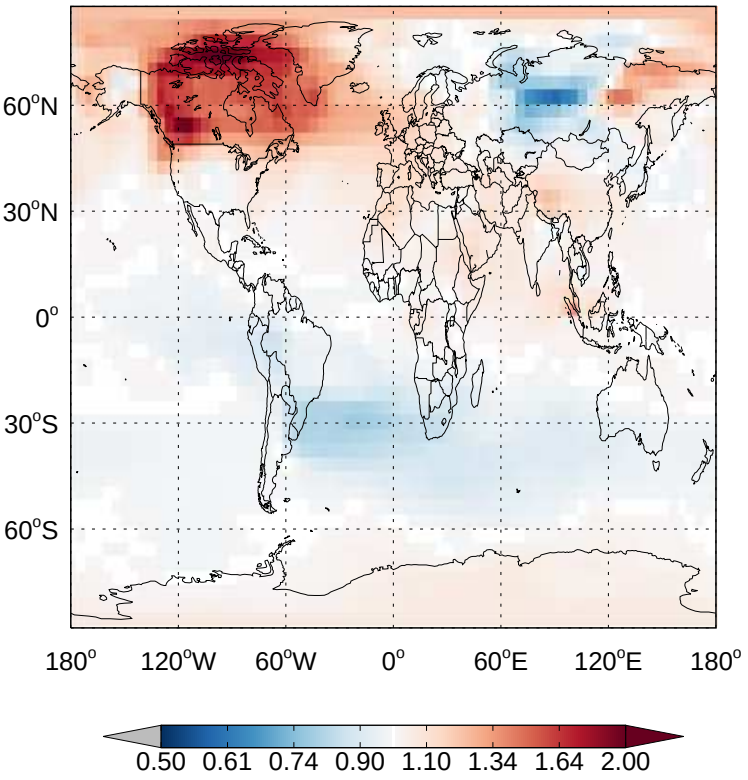
GC_12.0.0 / v11-02f-Run1

TSOG1 / Ratio @ Surface for Jul



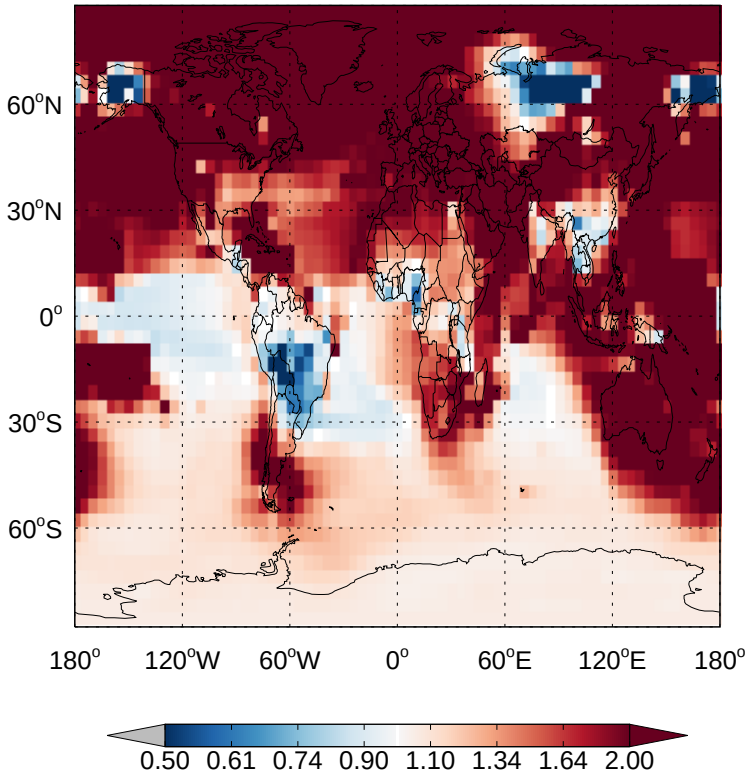
GC_12.0.0 / v11-02f-Run1

TSOG1/ Ratio @ 500 hPa for Jul



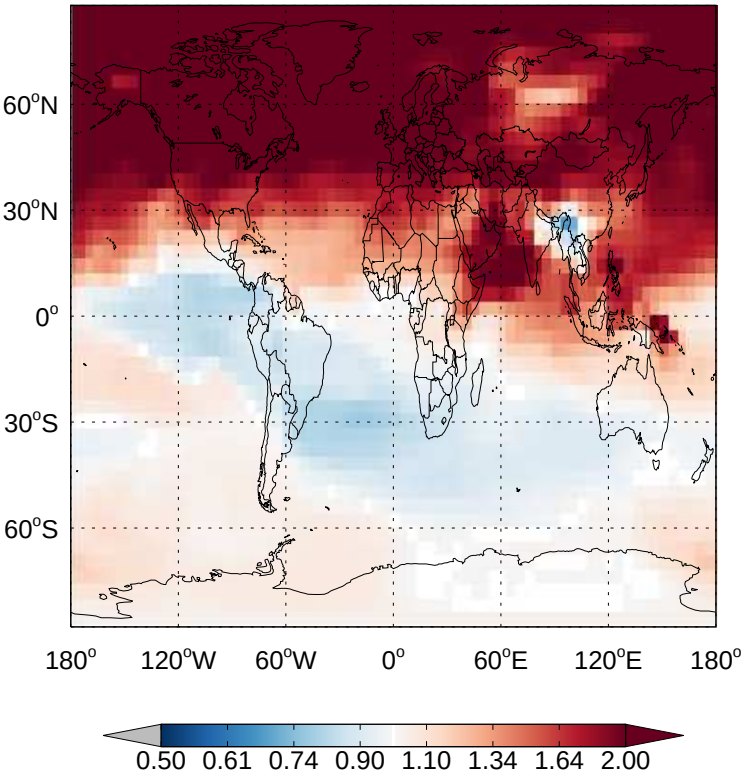
GC_12.0.0 / v11-02e-Run1

TSOG1 / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

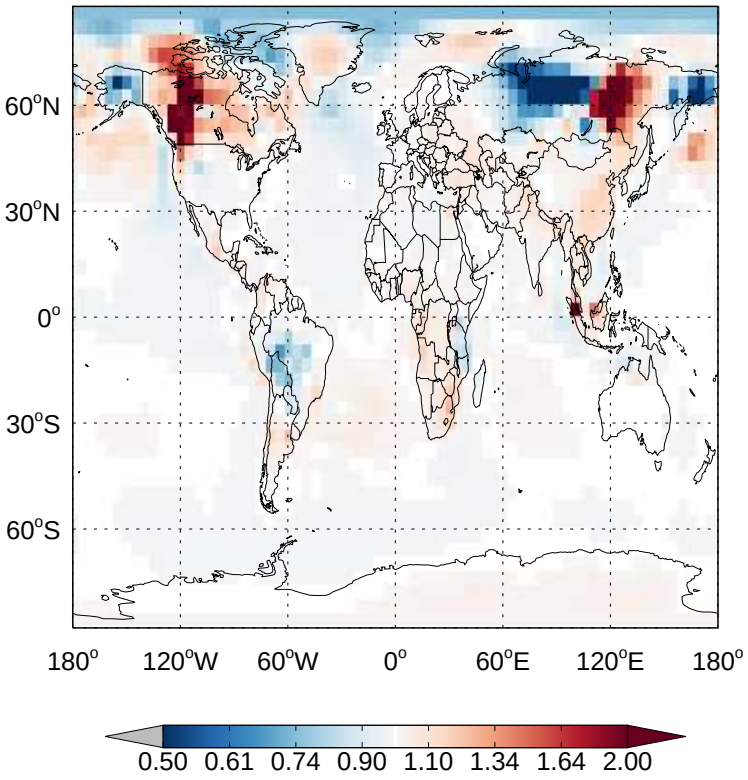
TSOG1/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

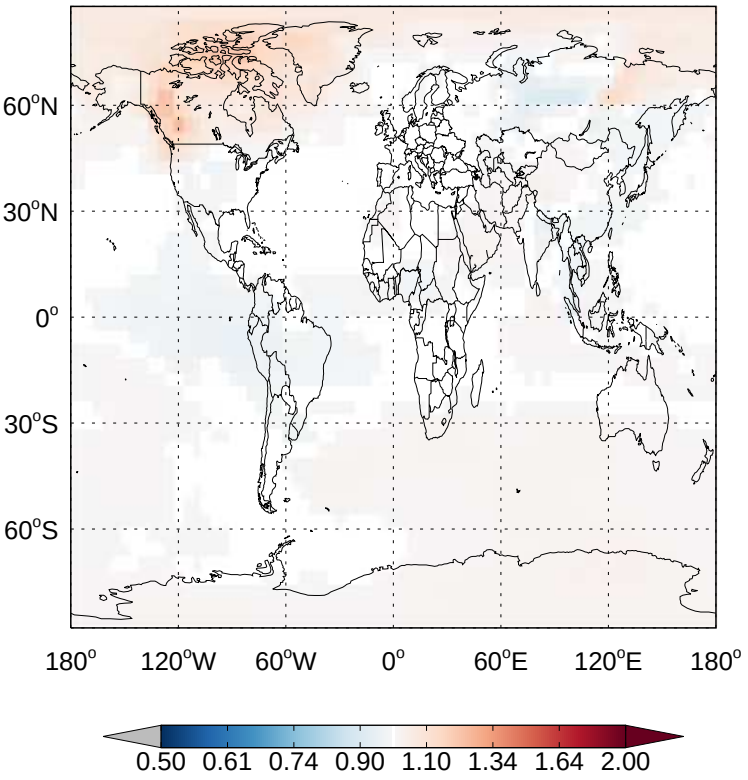
GC_12.0.0 / v11-02f-Run1

TSOG2 / Ratio @ Surface for Jul



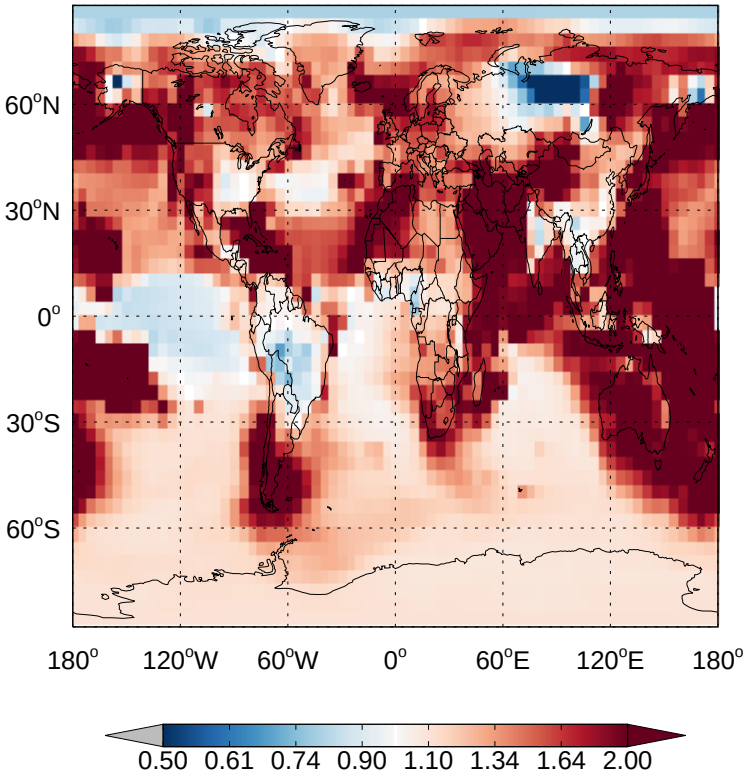
GC_12.0.0 / v11-02f-Run1

TSOG2/ Ratio @ 500 hPa for Jul



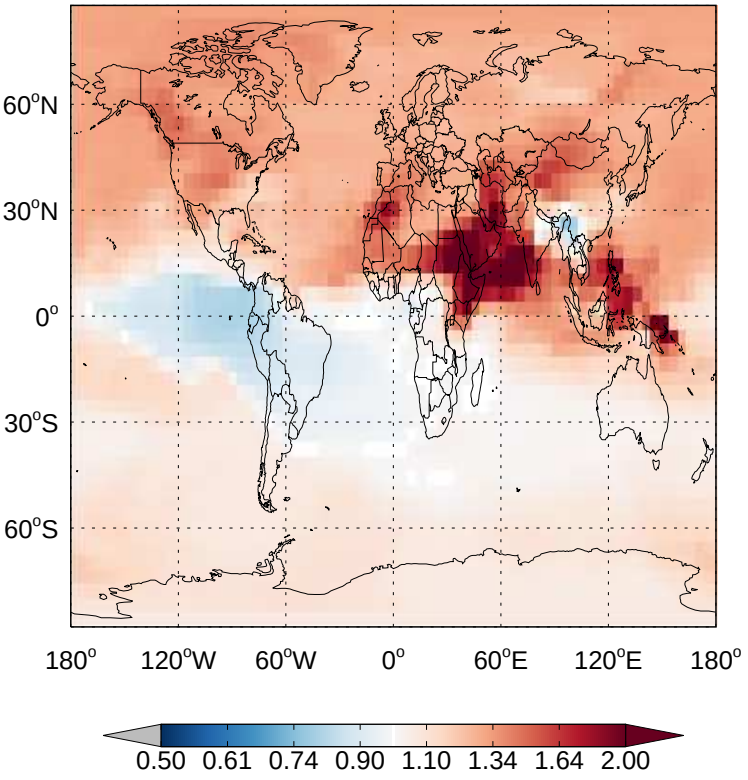
GC_12.0.0 / v11-02e-Run1

TSOG2 / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

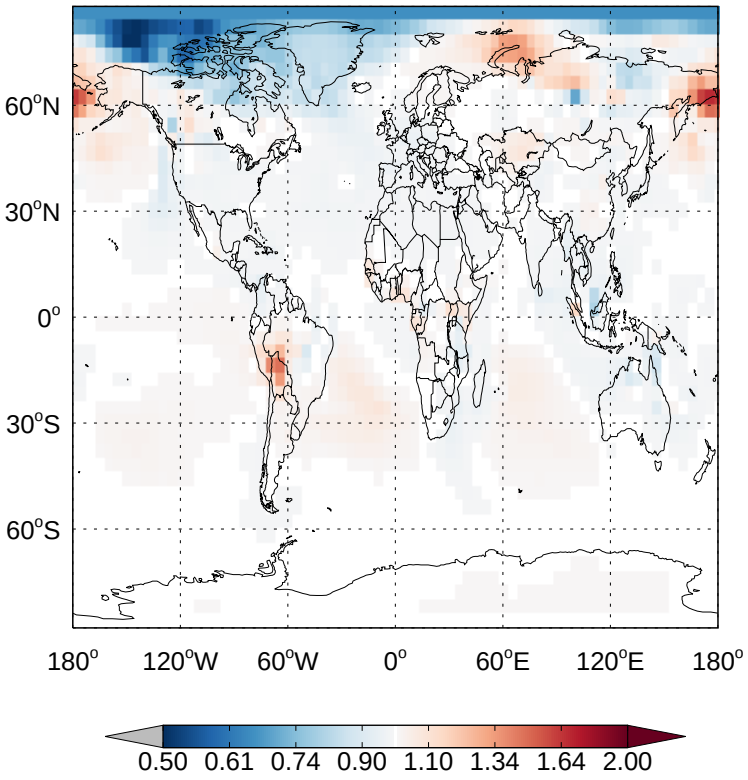
TSOG2/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

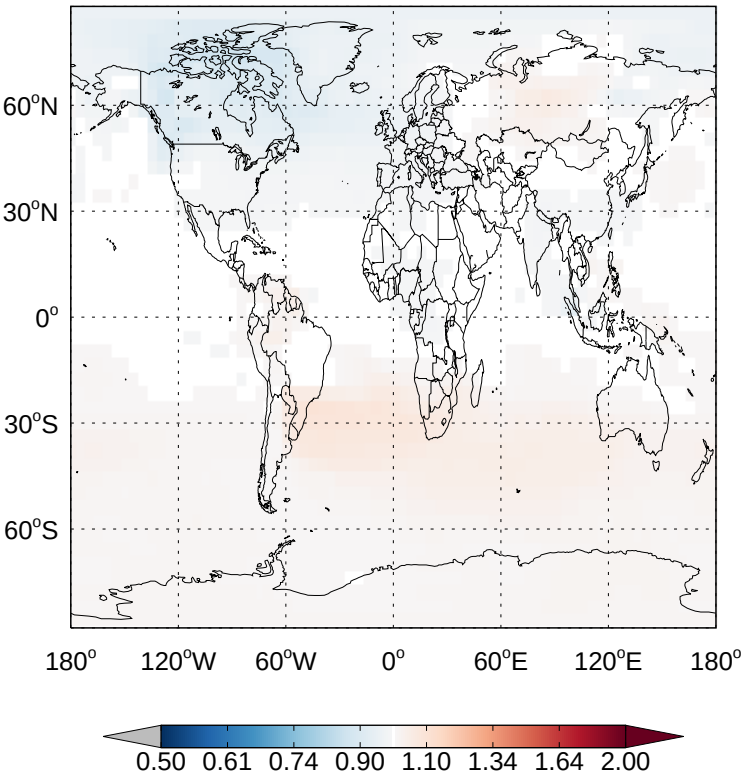
GC_12.0.0 / v11-02f-Run1

TSOG3 / Ratio @ Surface for Jul



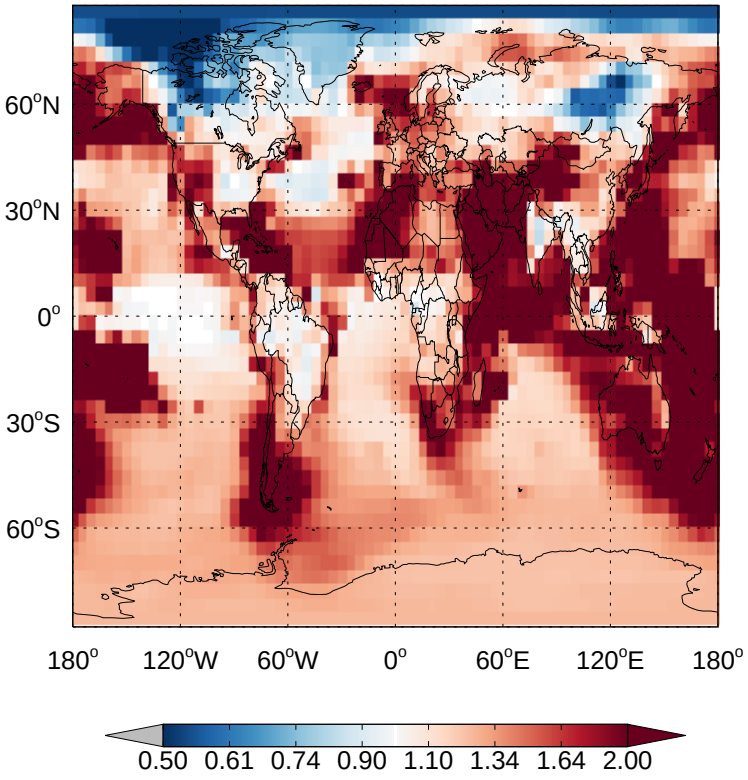
GC_12.0.0 / v11-02f-Run1

TSOG3/ Ratio @ 500 hPa for Jul



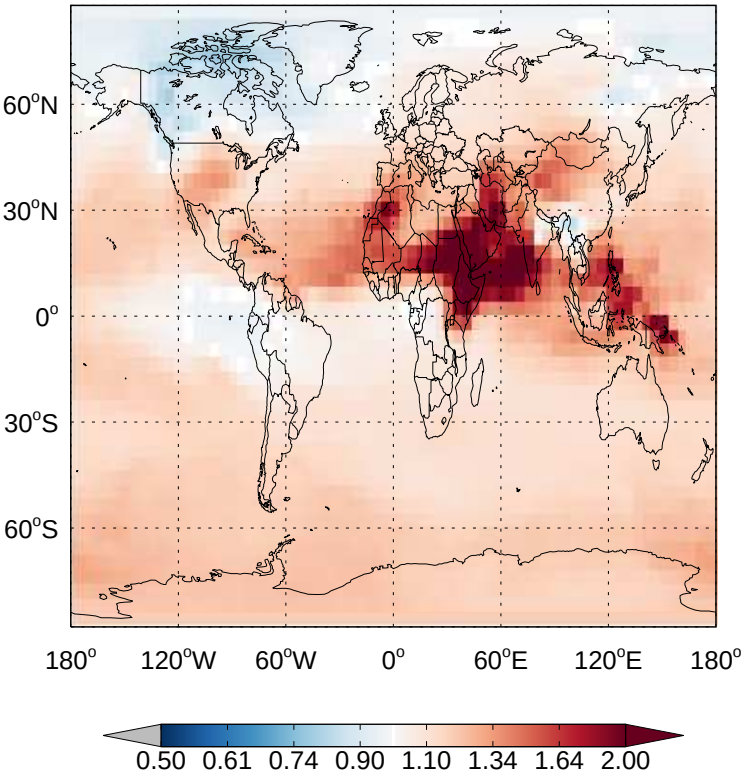
GC_12.0.0 / v11-02e-Run1

TSOG3 / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

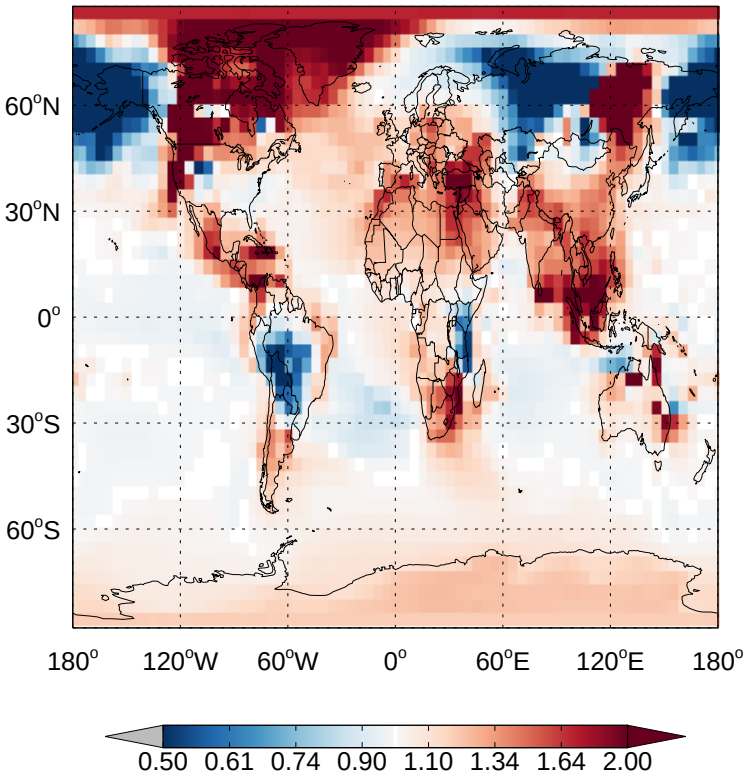
TSOG3/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

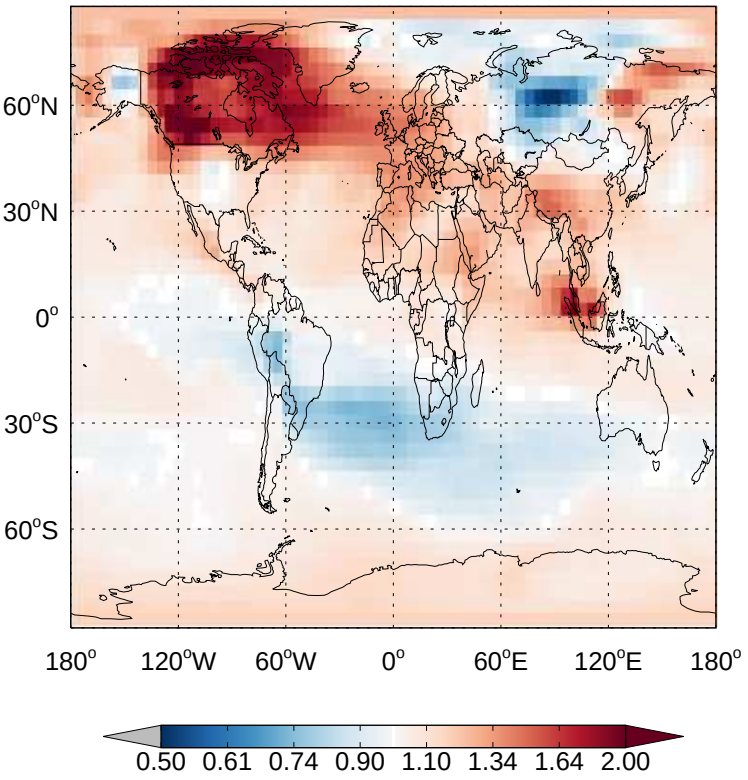
GC_12.0.0 / v11-02f-Run1

TSOG0 / Ratio @ Surface for Jul



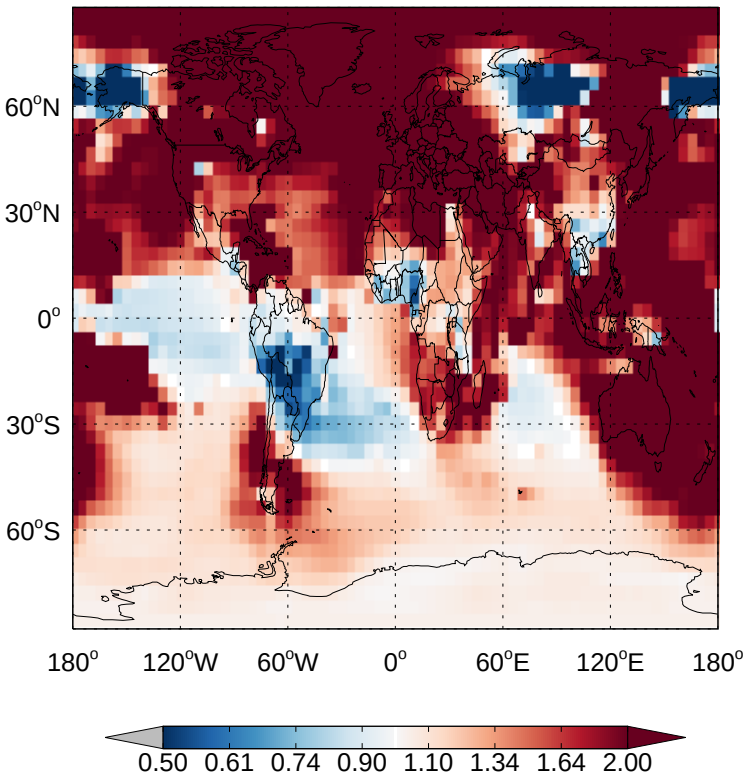
GC_12.0.0 / v11-02f-Run1

TSOG0/ Ratio @ 500 hPa for Jul



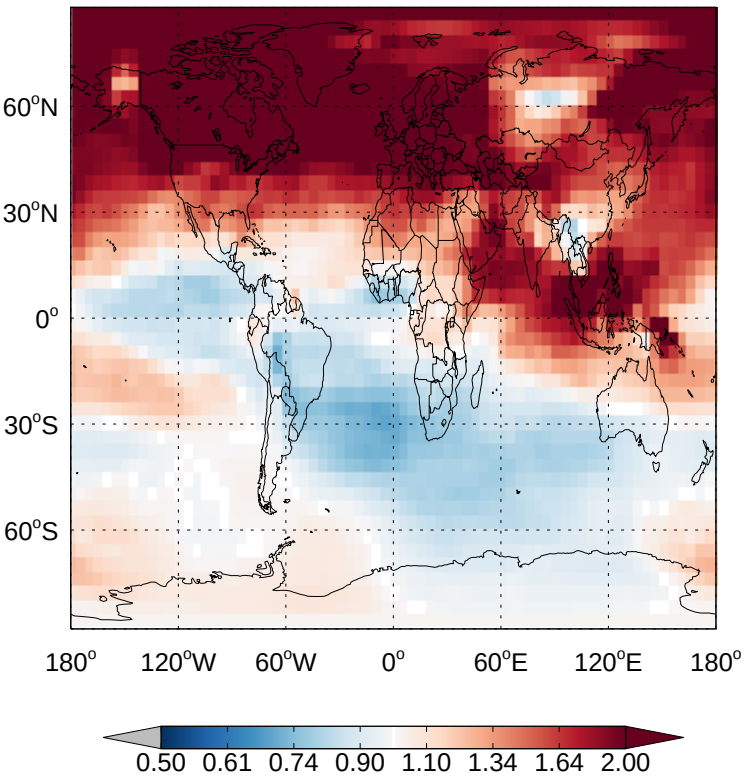
GC_12.0.0 / v11-02e-Run1

TSOG0 / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

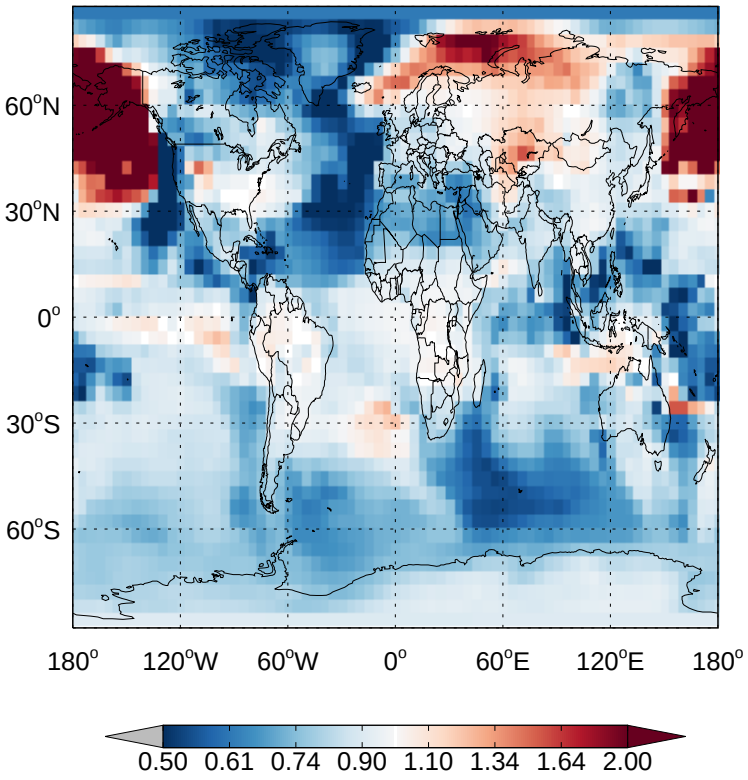
TSOG0/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

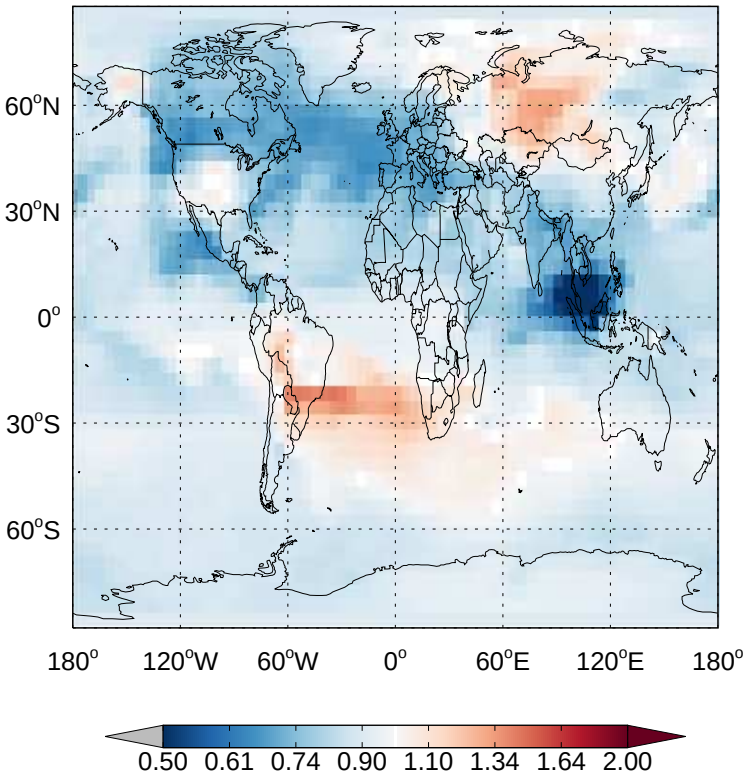
GC_12.0.0 / v11-02f-Run1

TSOA1 / Ratio @ Surface for Jul



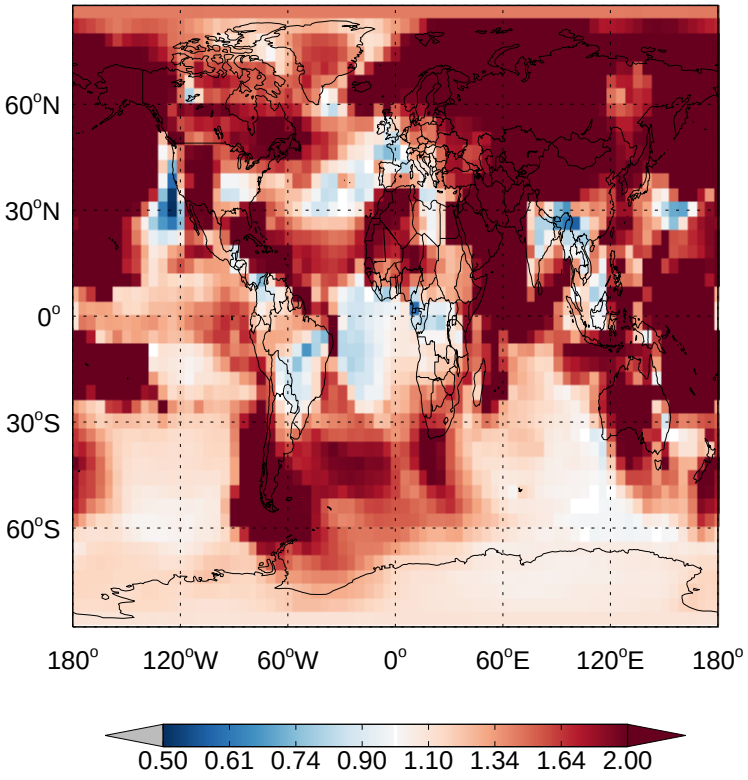
GC_12.0.0 / v11-02f-Run1

TSOA1/ Ratio @ 500 hPa for Jul



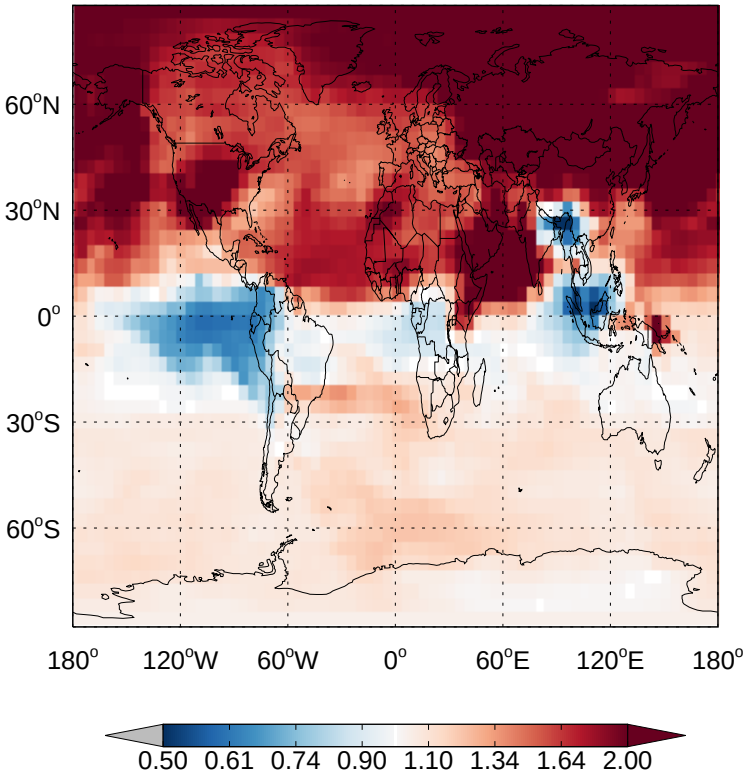
GC_12.0.0 / v11-02e-Run1

TSOA1 / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

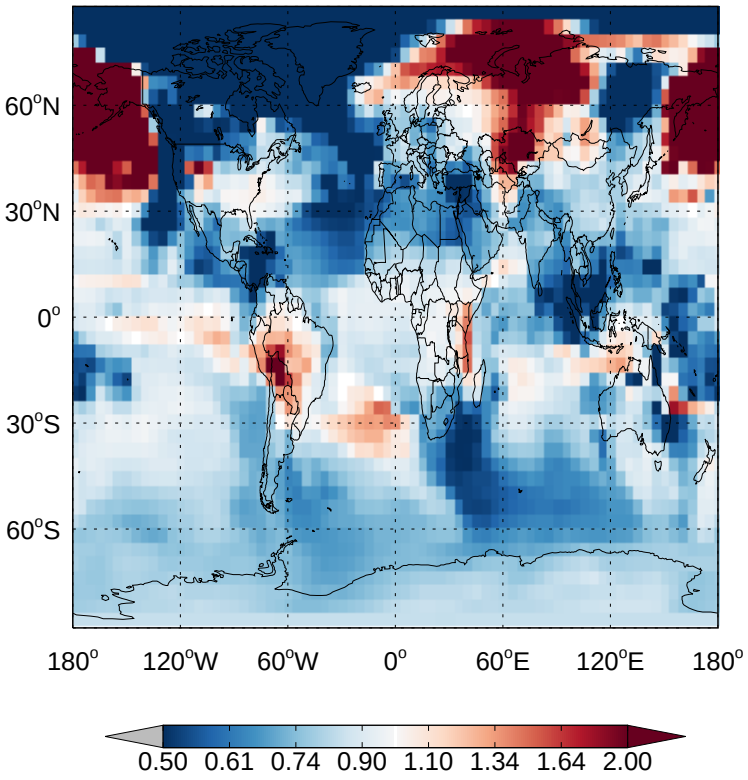
TSOA1/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

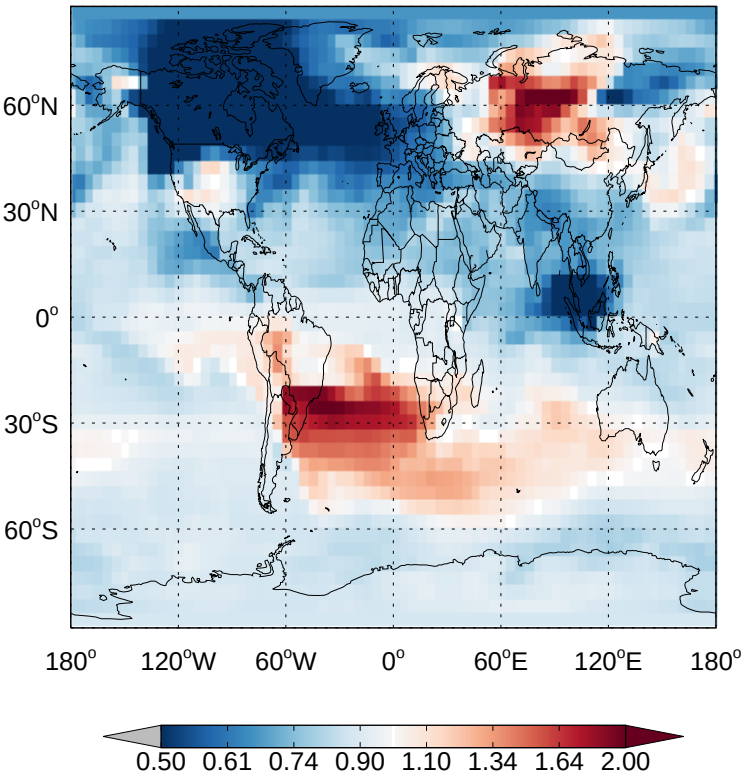
GC_12.0.0 / v11-02f-Run1

TSOA2 / Ratio @ Surface for Jul



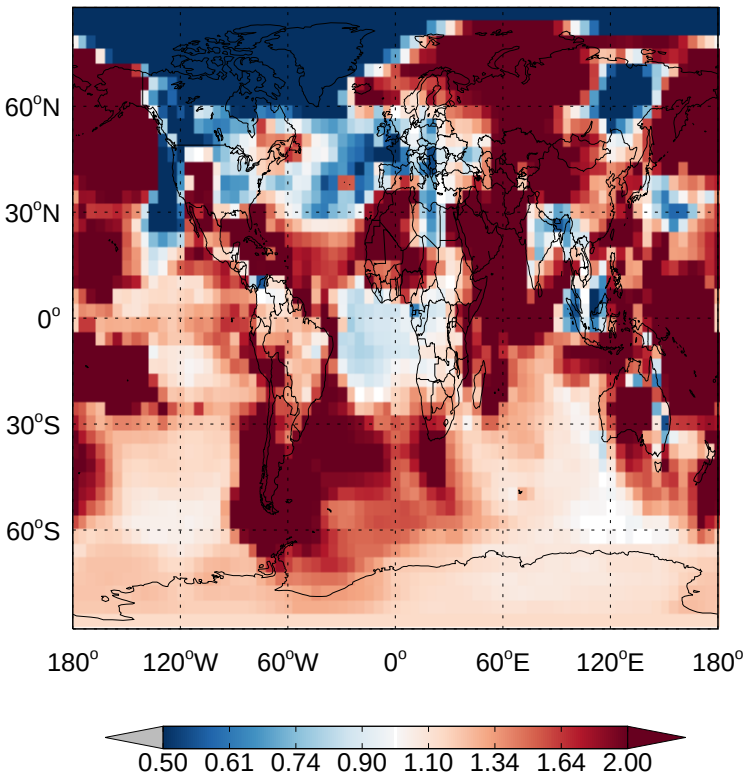
GC_12.0.0 / v11-02f-Run1

TSOA2/ Ratio @ 500 hPa for Jul



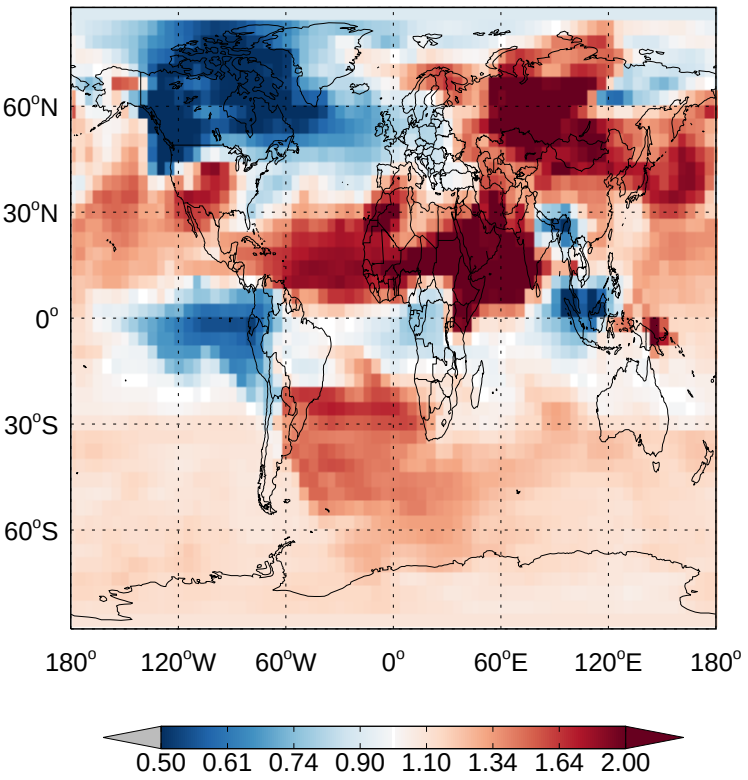
GC_12.0.0 / v11-02e-Run1

TSOA2 / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

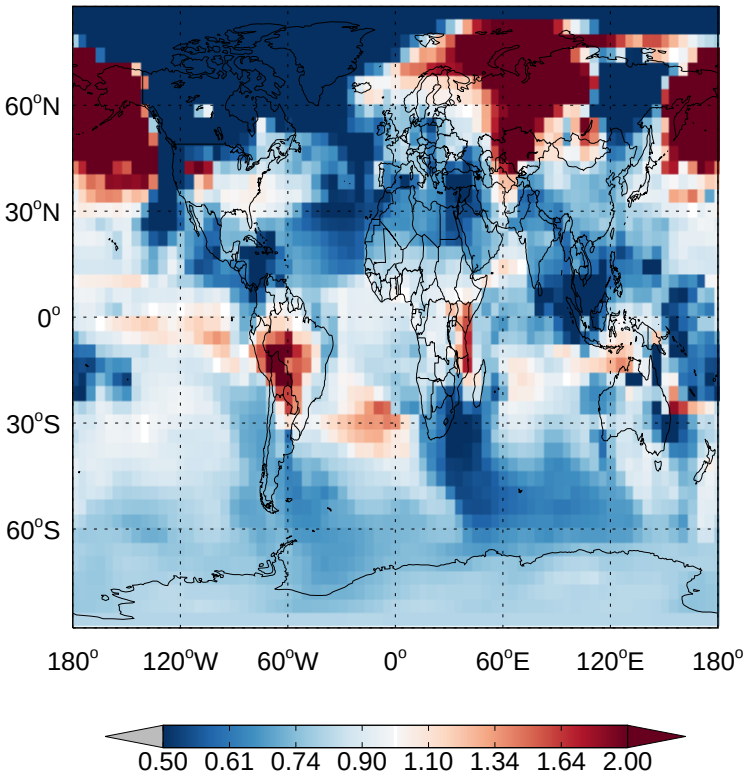
TSOA2/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

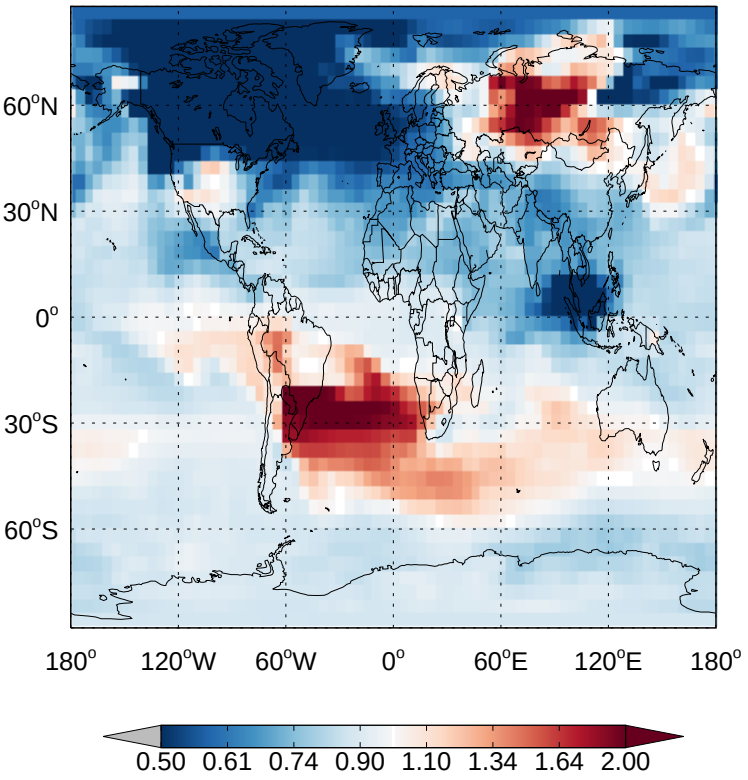
GC_12.0.0 / v11-02f-Run1

TSOA3 / Ratio @ Surface for Jul



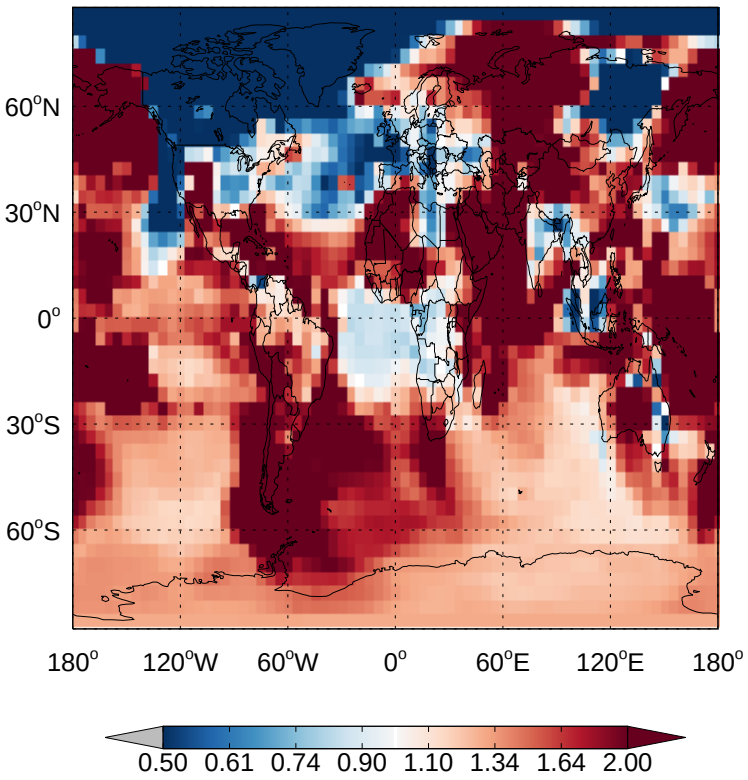
GC_12.0.0 / v11-02f-Run1

TSOA3/ Ratio @ 500 hPa for Jul



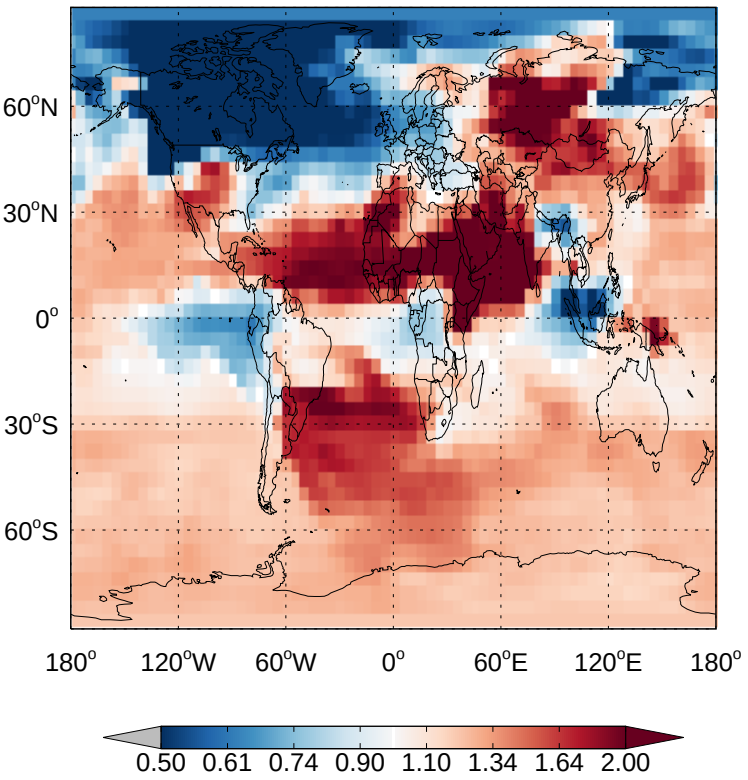
GC_12.0.0 / v11-02e-Run1

TSOA3 / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

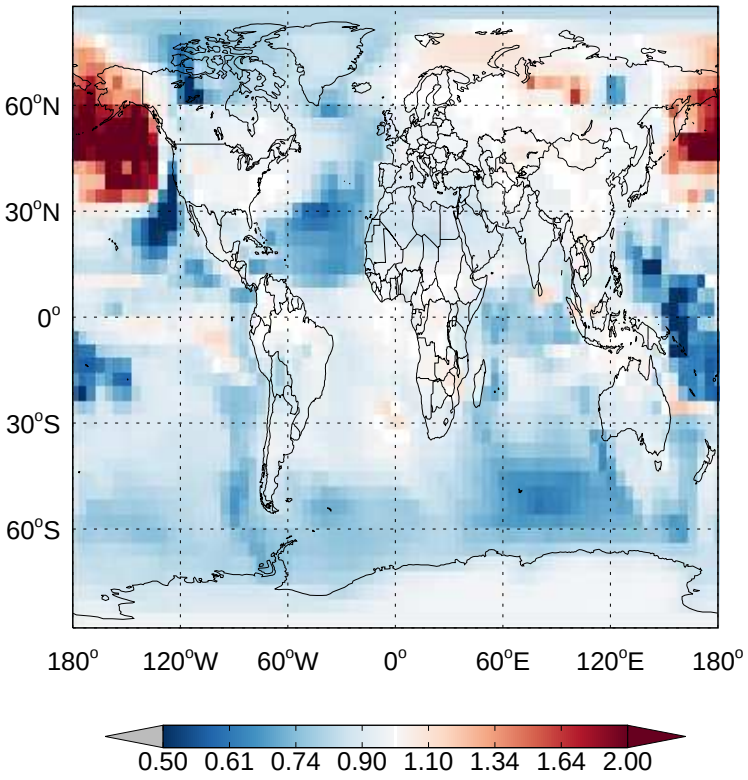
TSOA3/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

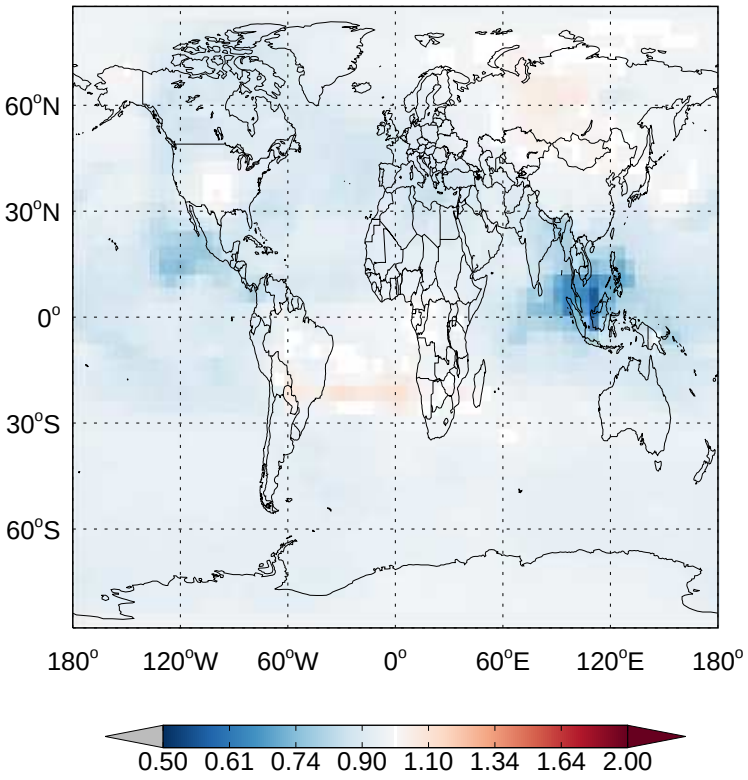
GC_12.0.0 / v11-02f-Run1

TSOA0 / Ratio @ Surface for Jul



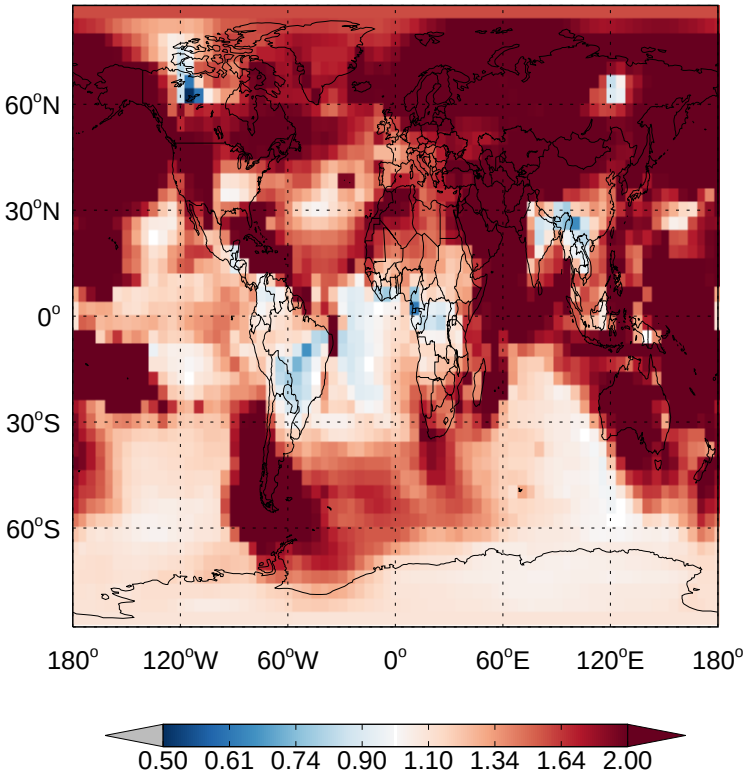
GC_12.0.0 / v11-02f-Run1

TSOA0/ Ratio @ 500 hPa for Jul



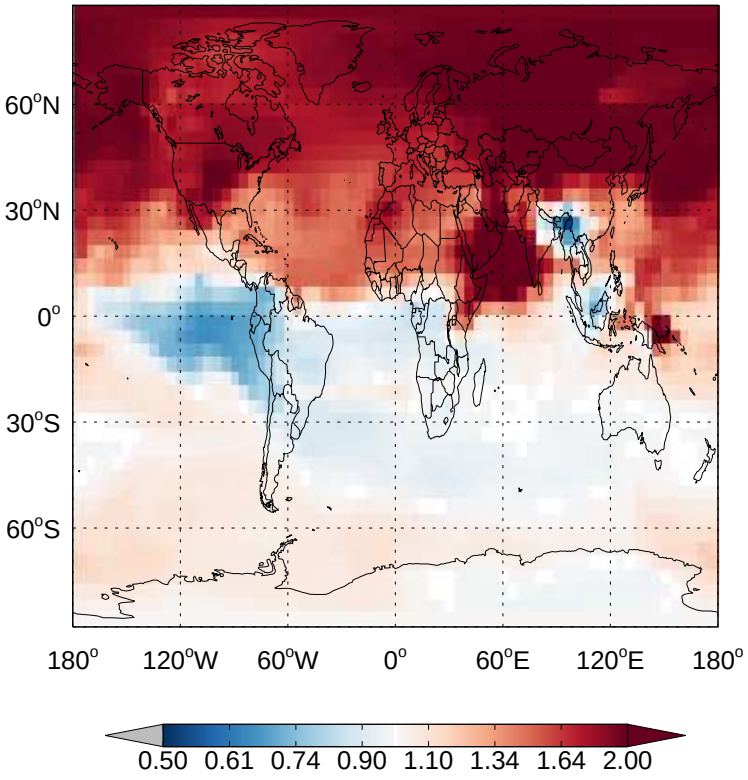
GC_12.0.0 / v11-02e-Run1

TSOA0 / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

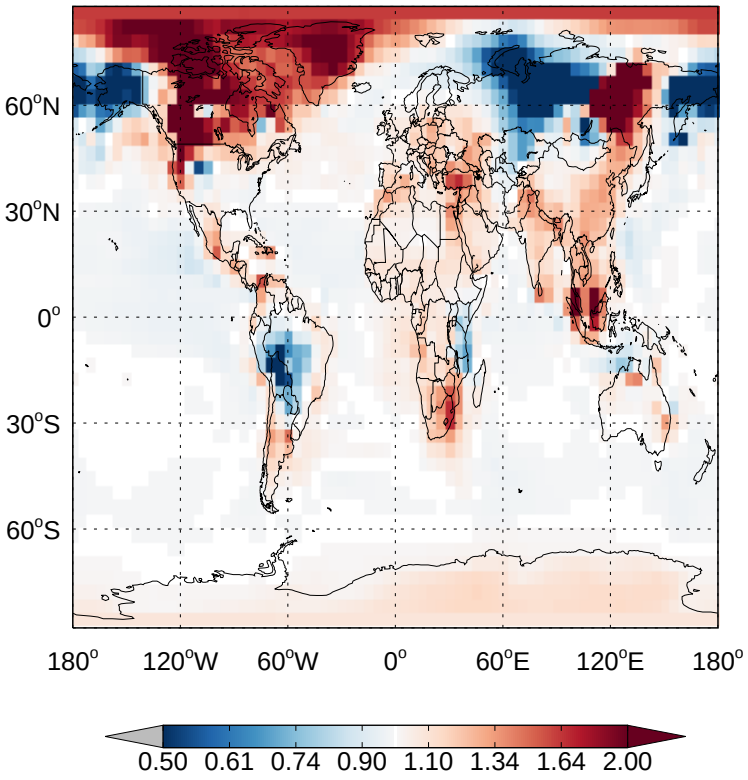
TSOA0/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

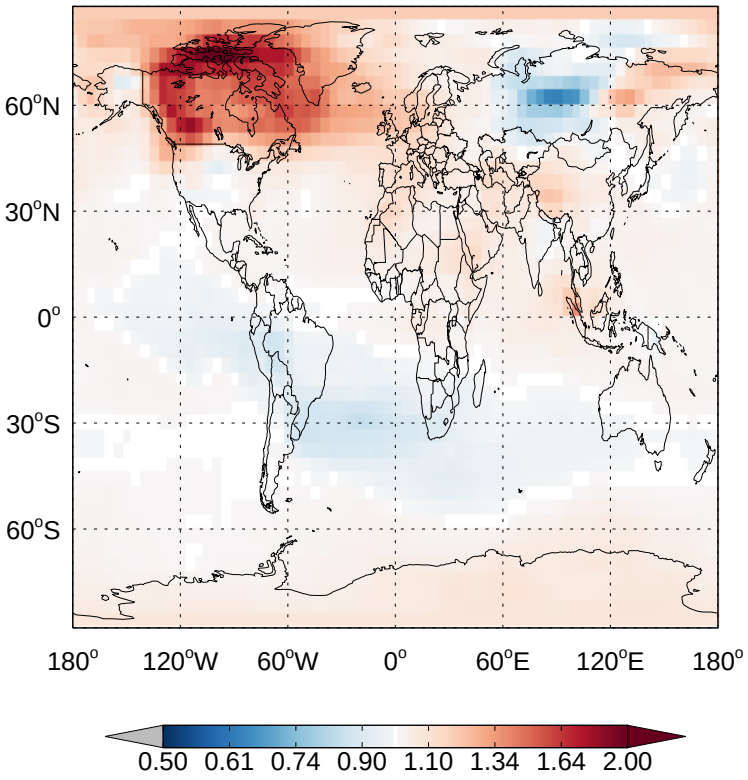
GC_12.0.0 / v11-02f-Run1

ISOG1 / Ratio @ Surface for Jul



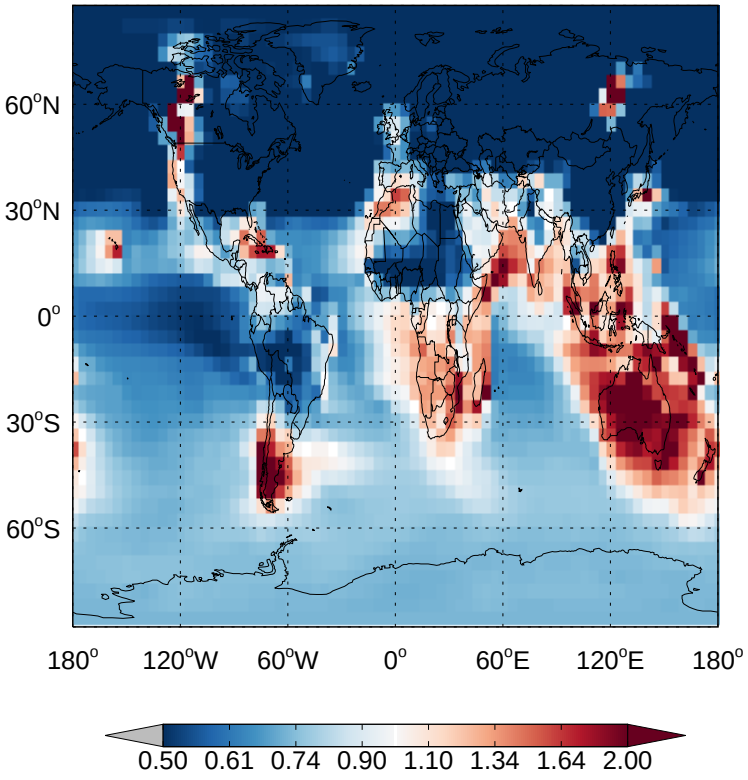
GC_12.0.0 / v11-02f-Run1

ISOG1/ Ratio @ 500 hPa for Jul



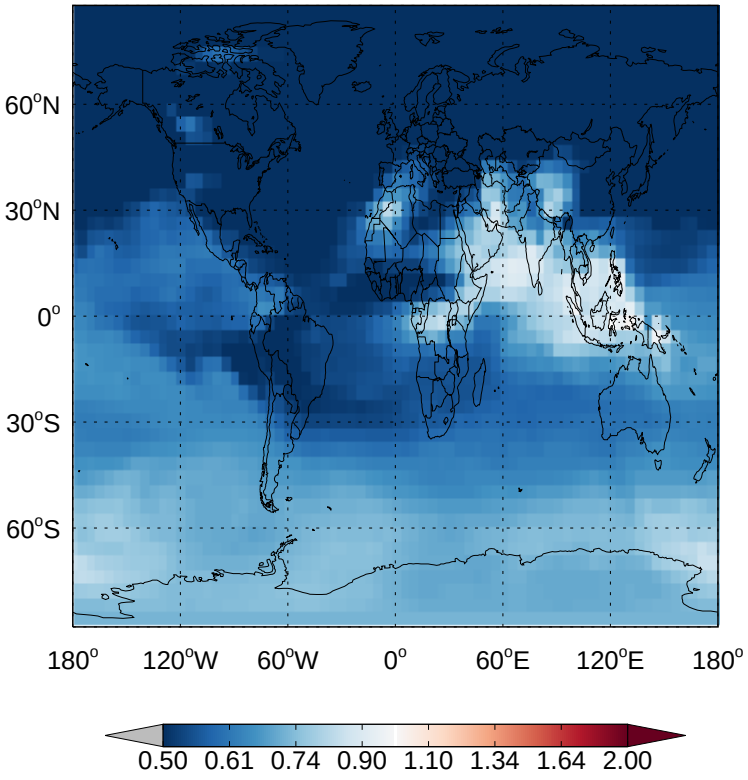
GC_12.0.0 / v11-02e-Run1

ISOG1 / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

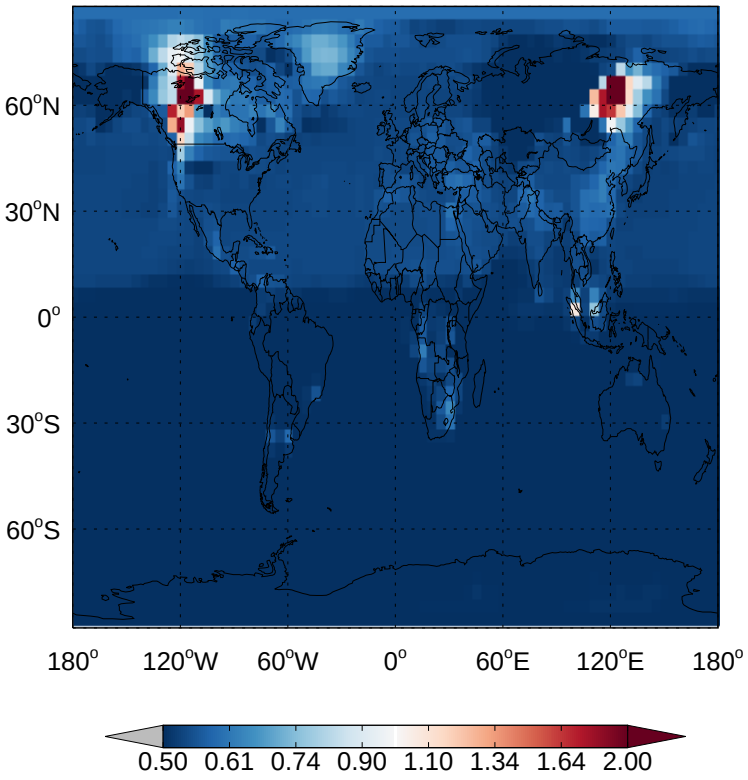
ISOG1/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

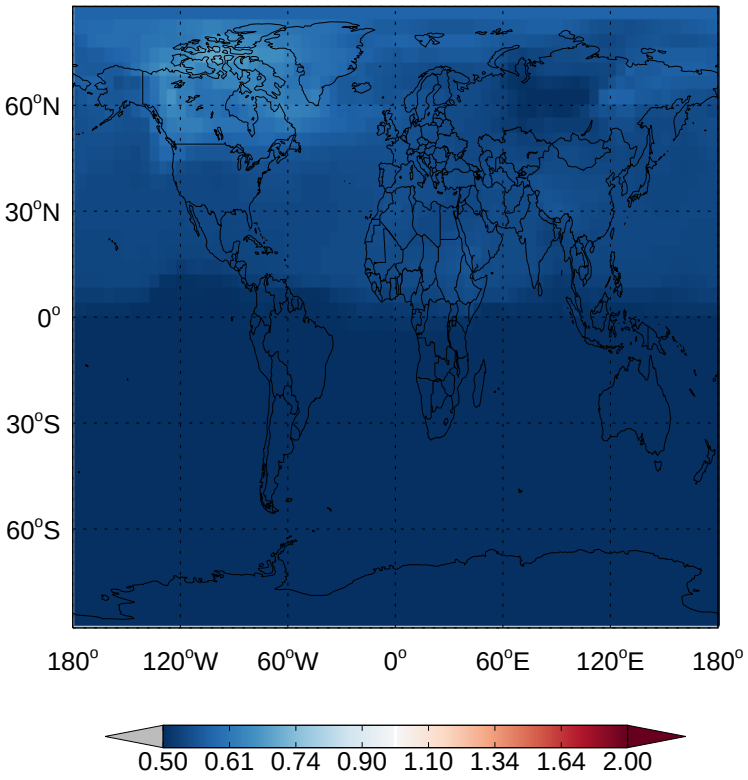
GC_12.0.0 / v11-02f-Run1

ISOG2 / Ratio @ Surface for Jul



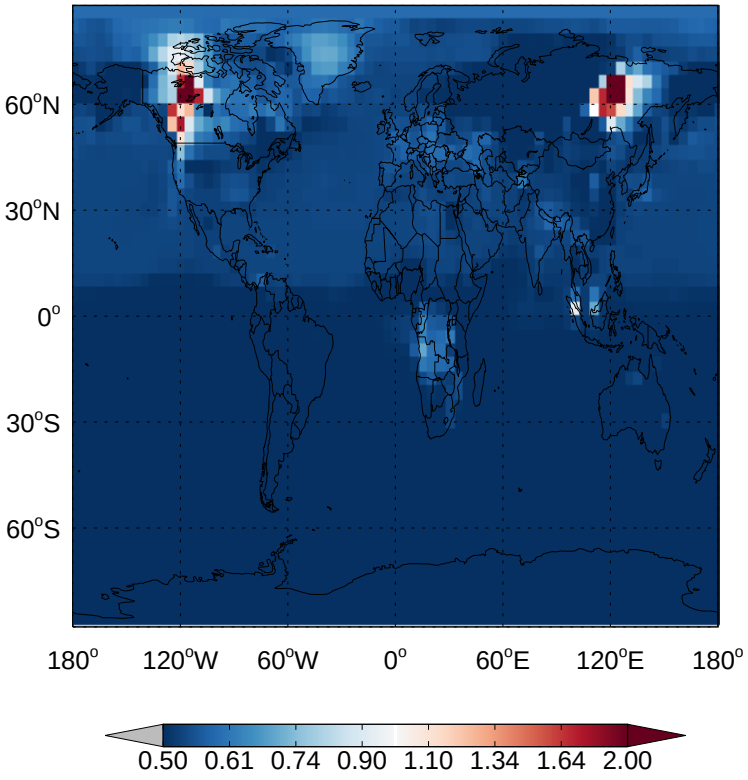
GC_12.0.0 / v11-02f-Run1

ISOG2/ Ratio @ 500 hPa for Jul



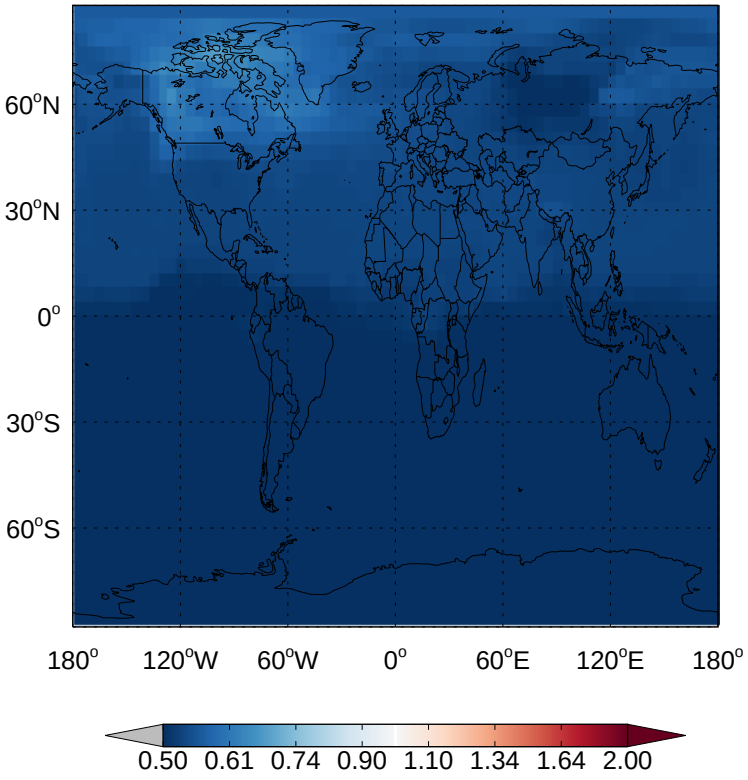
GC_12.0.0 / v11-02e-Run1

ISOG2 / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

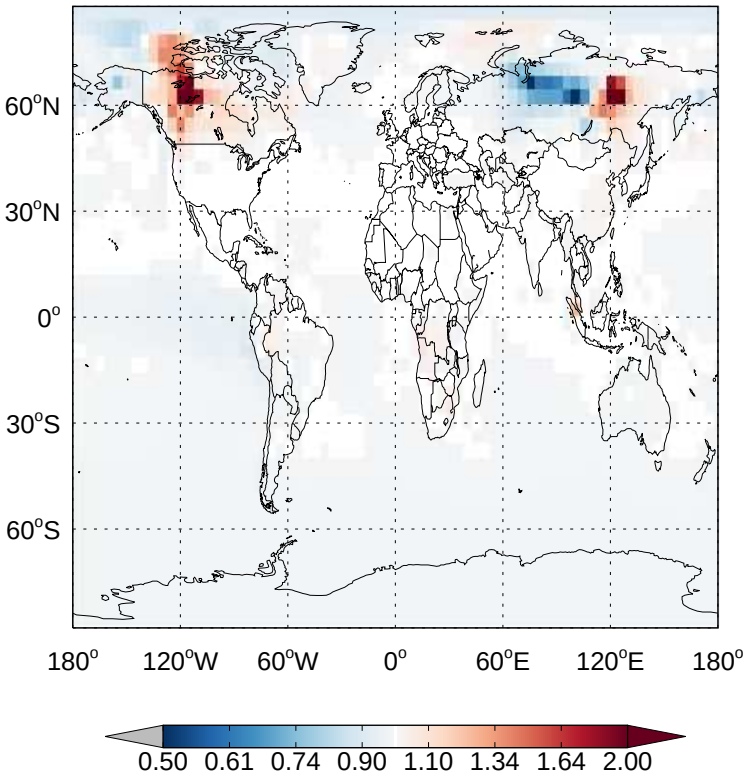
ISOG2/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

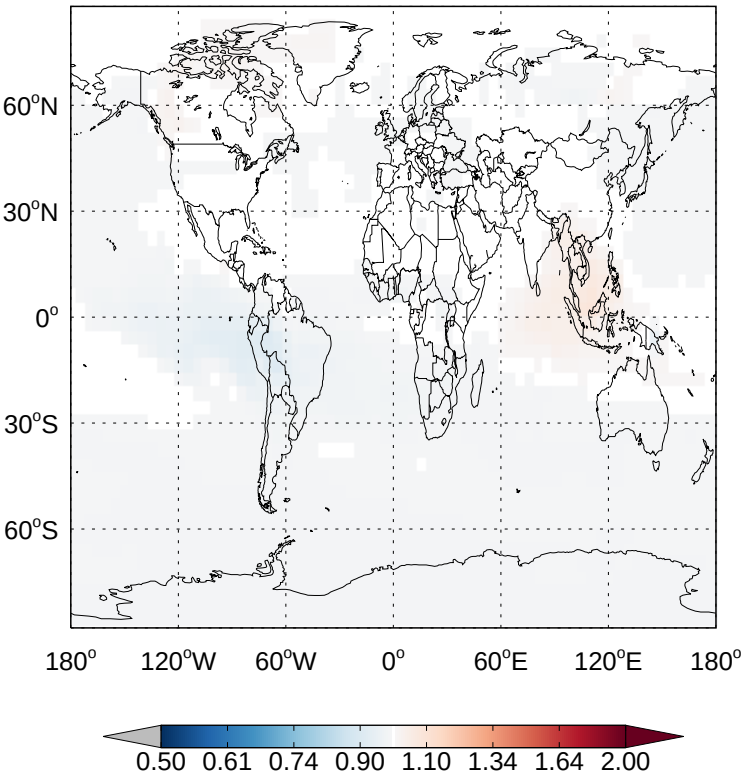
GC_12.0.0 / v11-02f-Run1

ISOG3 / Ratio @ Surface for Jul



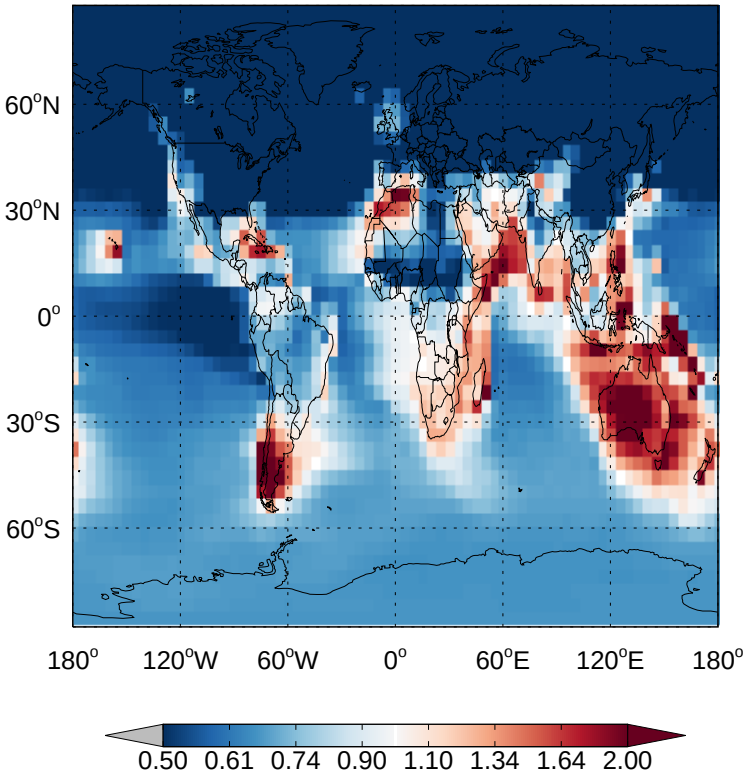
GC_12.0.0 / v11-02f-Run1

ISOG3/ Ratio @ 500 hPa for Jul



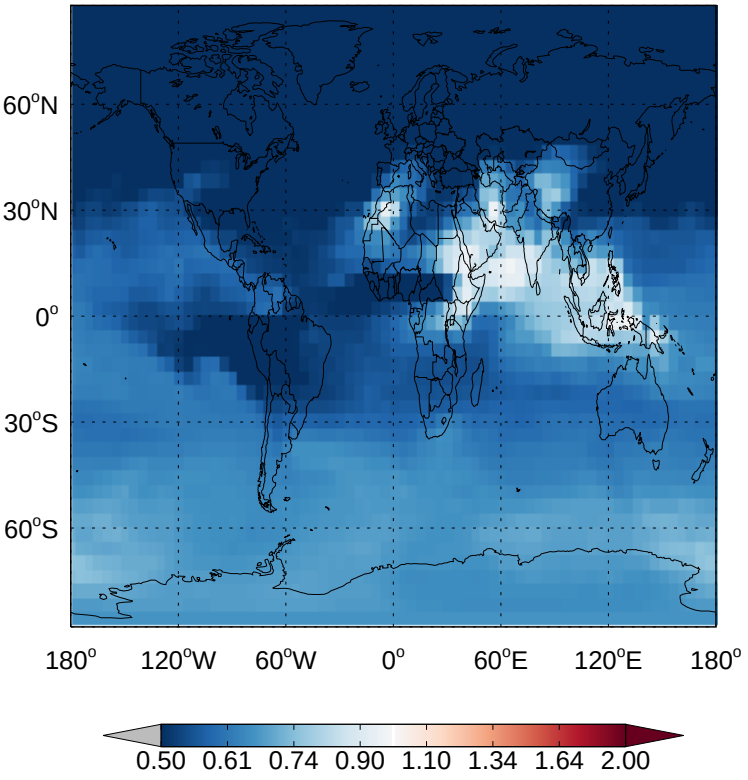
GC_12.0.0 / v11-02e-Run1

ISOG3 / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

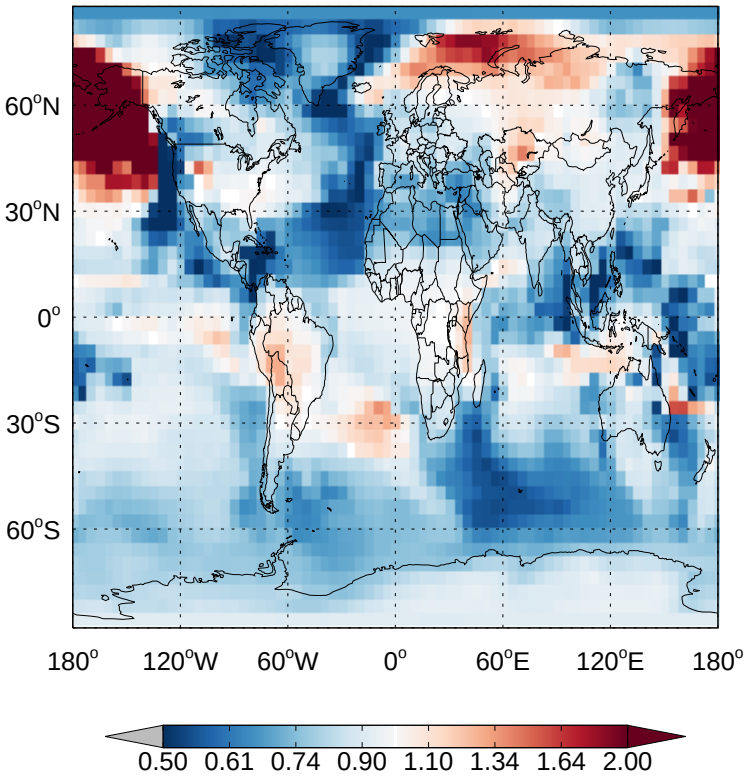
ISOG3/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

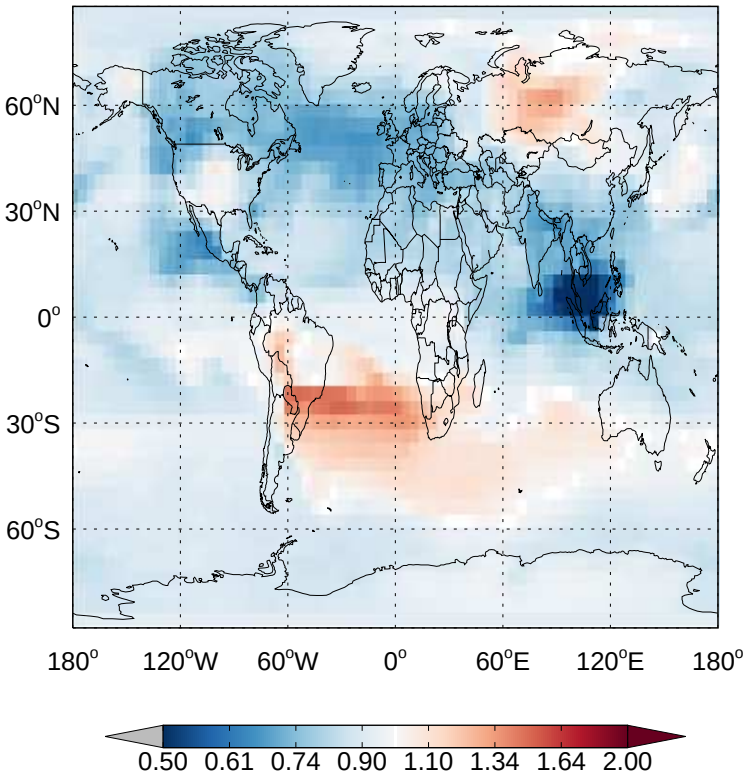
GC_12.0.0 / v11-02f-Run1

ISOA1 / Ratio @ Surface for Jul



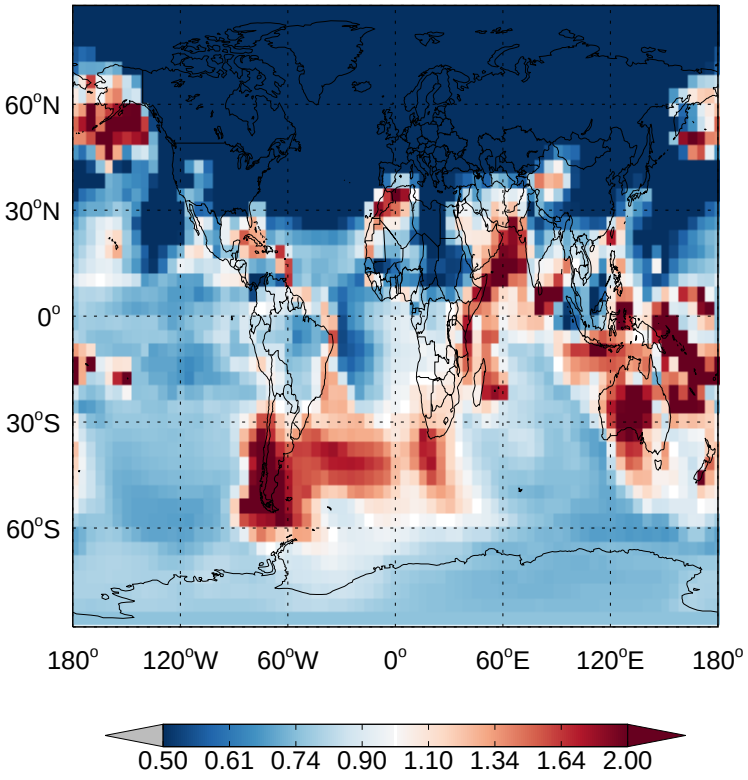
GC_12.0.0 / v11-02f-Run1

ISOA1/ Ratio @ 500 hPa for Jul



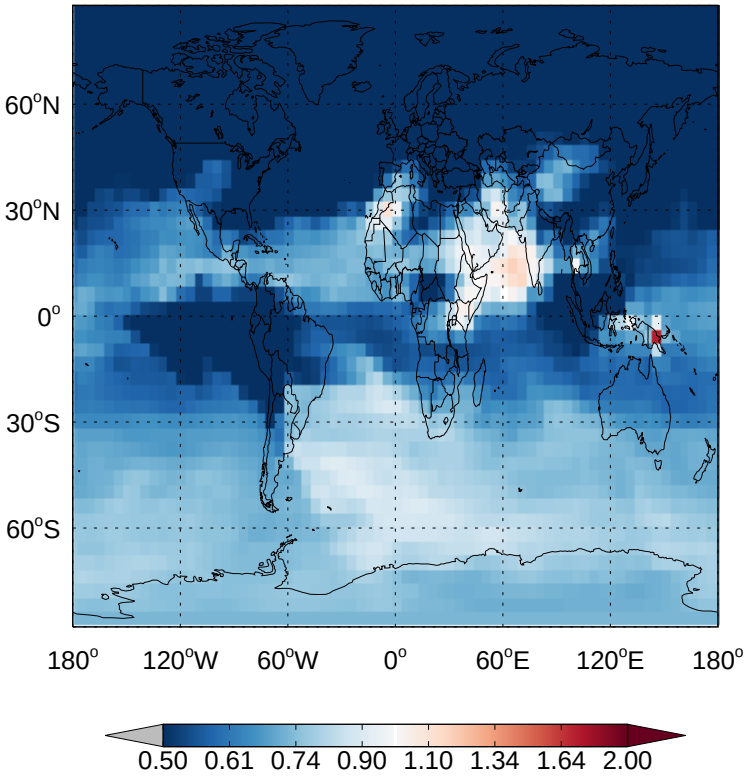
GC_12.0.0 / v11-02e-Run1

ISOA1 / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

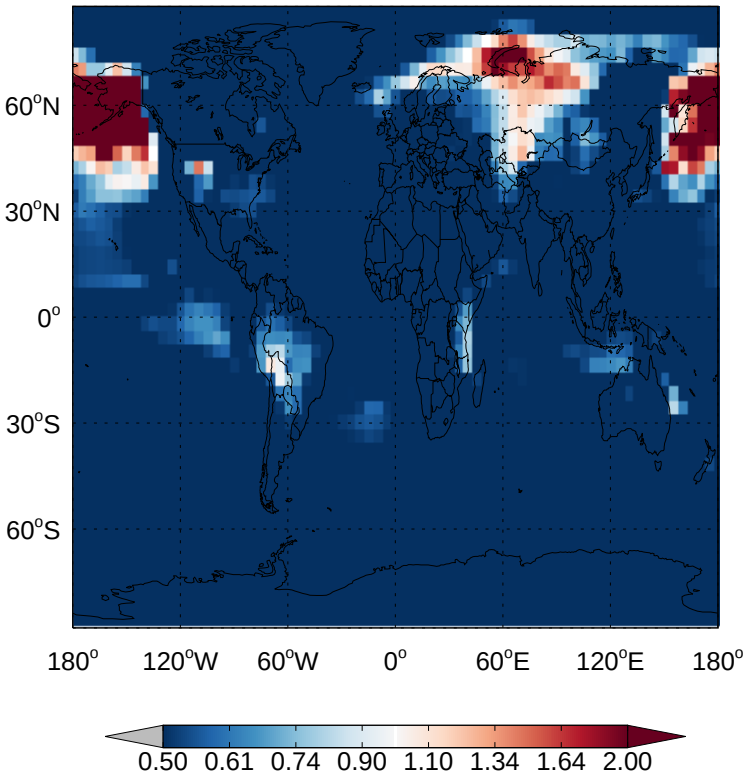
ISOA1/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

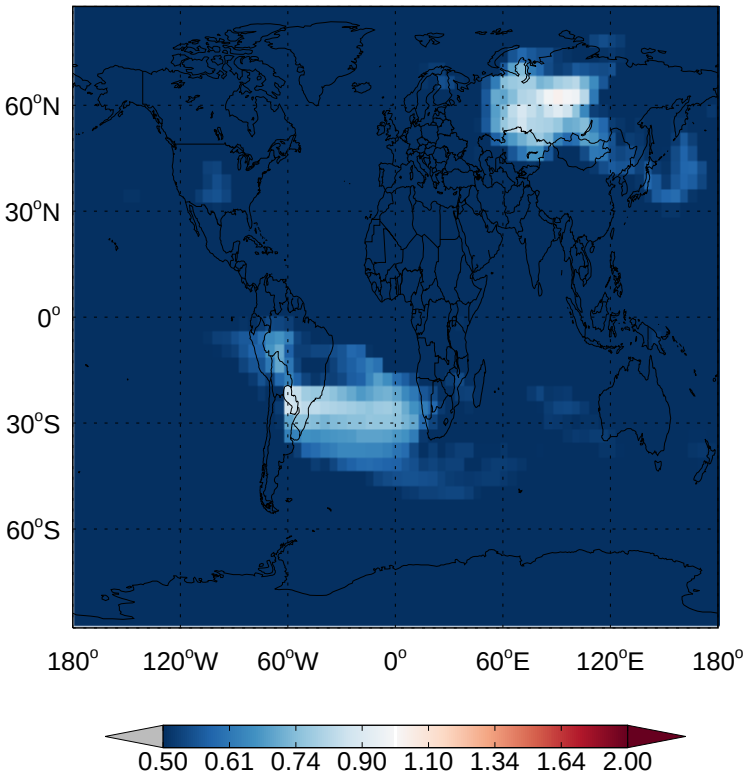
GC_12.0.0 / v11-02f-Run1

ISOA2 / Ratio @ Surface for Jul



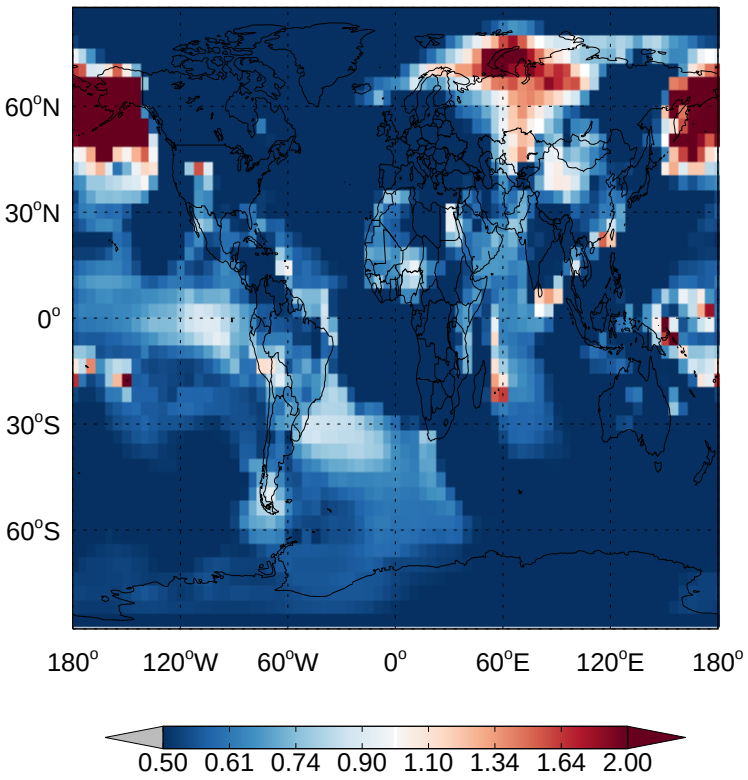
GC_12.0.0 / v11-02f-Run1

ISOA2/ Ratio @ 500 hPa for Jul



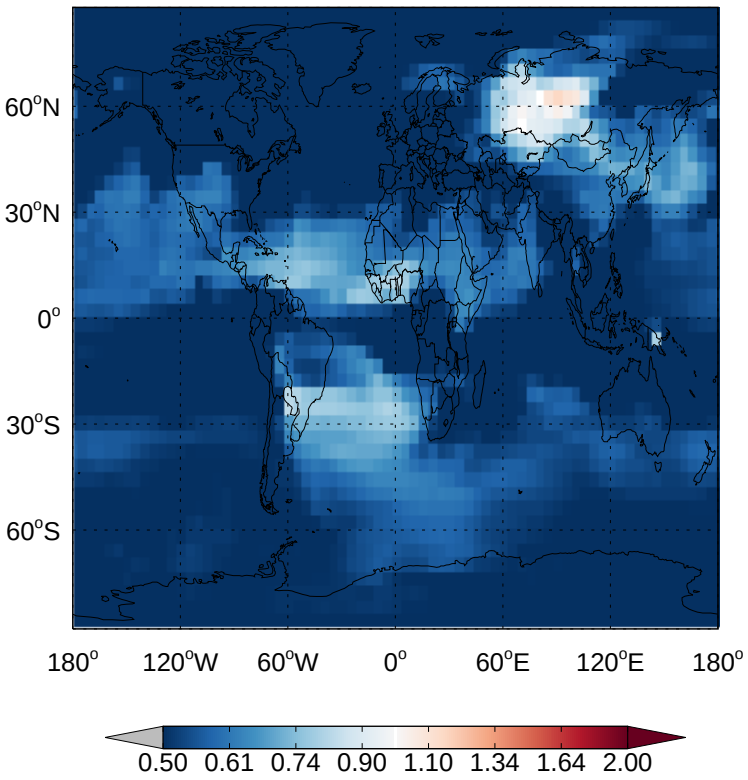
GC_12.0.0 / v11-02e-Run1

ISOA2 / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

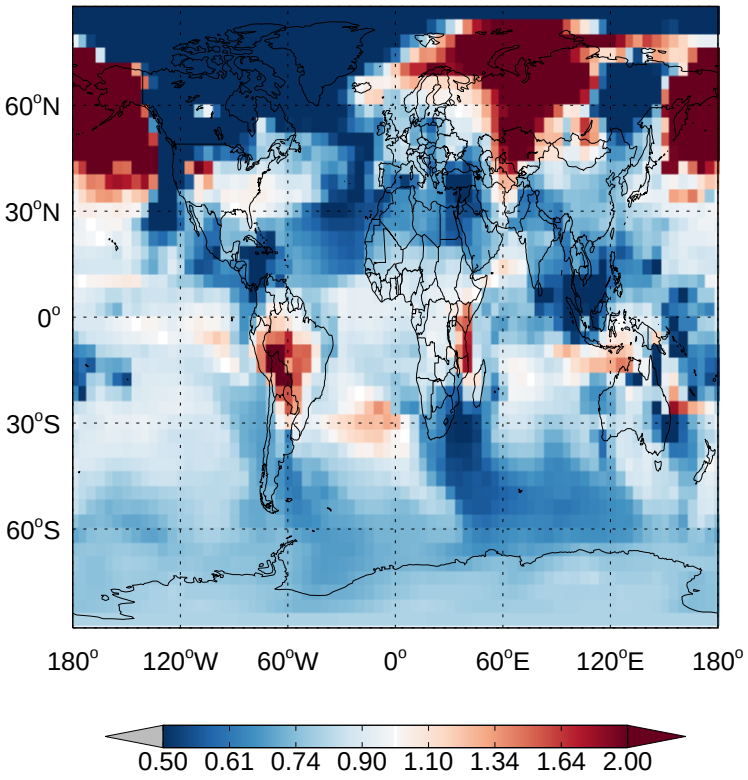
ISOA2/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

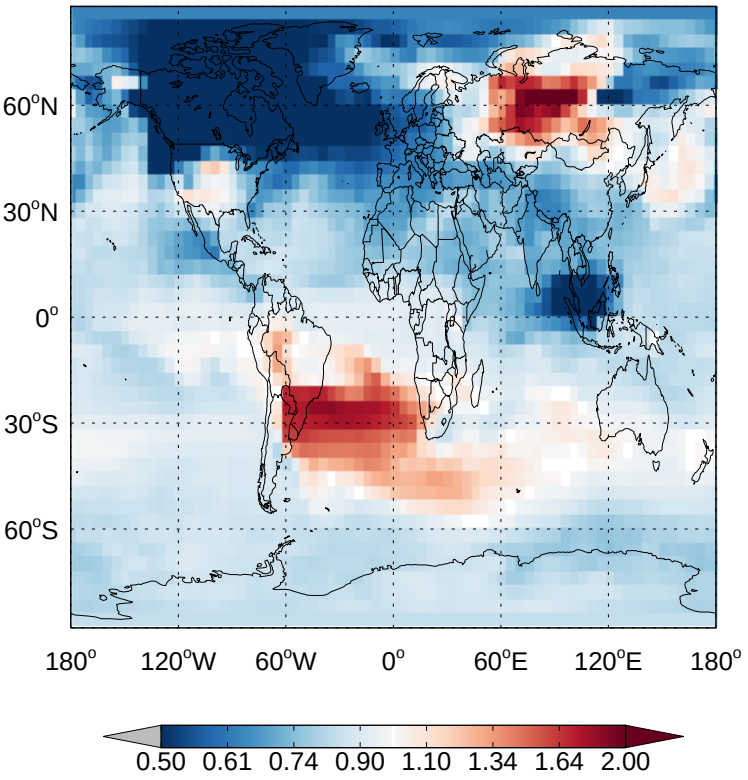
GC_12.0.0 / v11-02f-Run1

ISOA3 / Ratio @ Surface for Jul



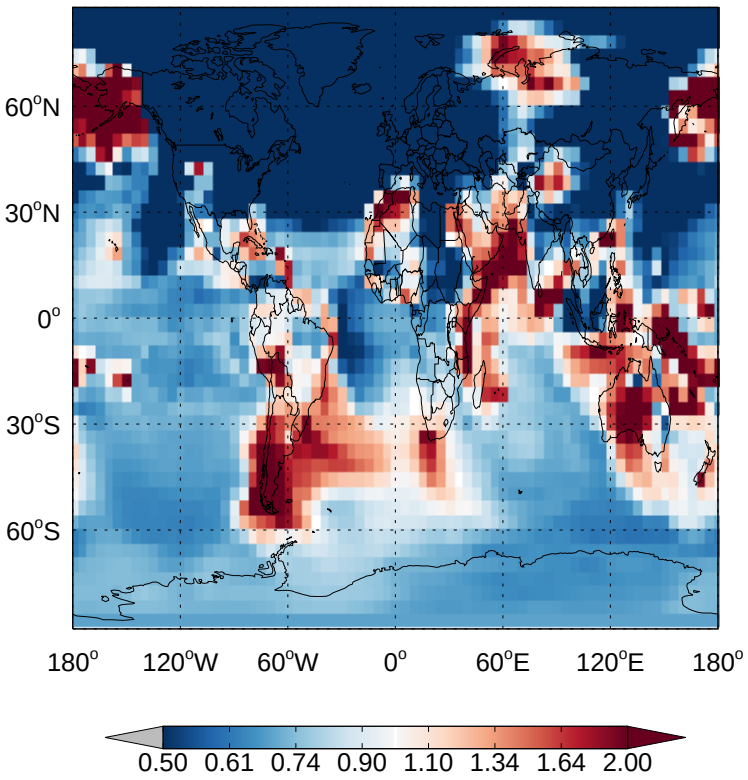
GC_12.0.0 / v11-02f-Run1

ISOA3/ Ratio @ 500 hPa for Jul



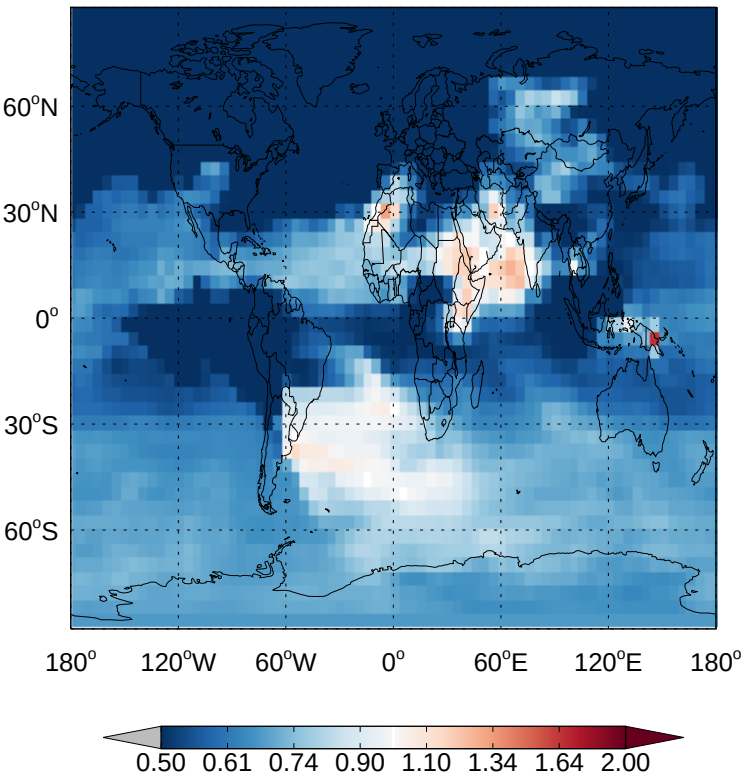
GC_12.0.0 / v11-02e-Run1

ISOA3 / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

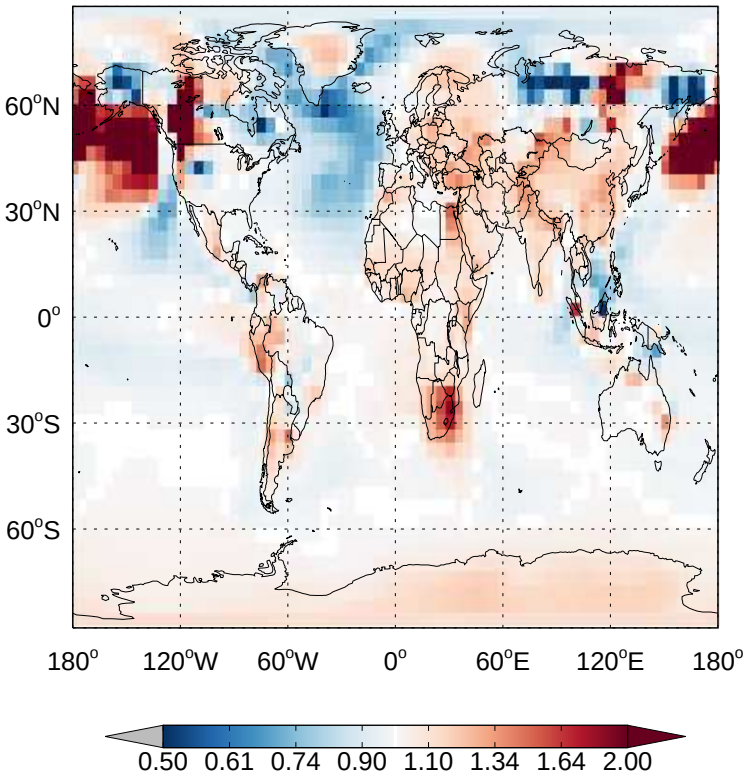
ISOA3/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

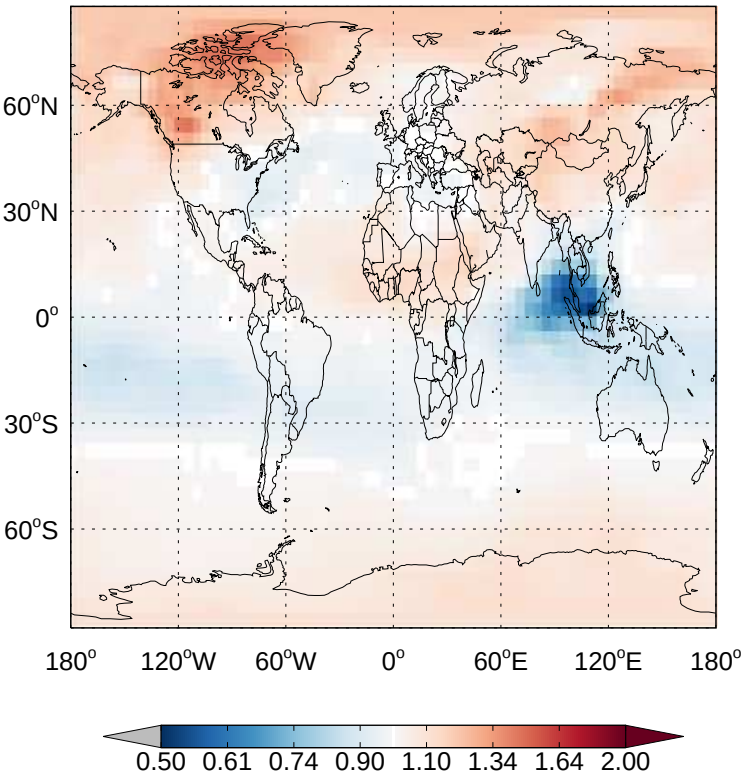
GC_12.0.0 / v11-02f-Run1

ASOG1 / Ratio @ Surface for Jul



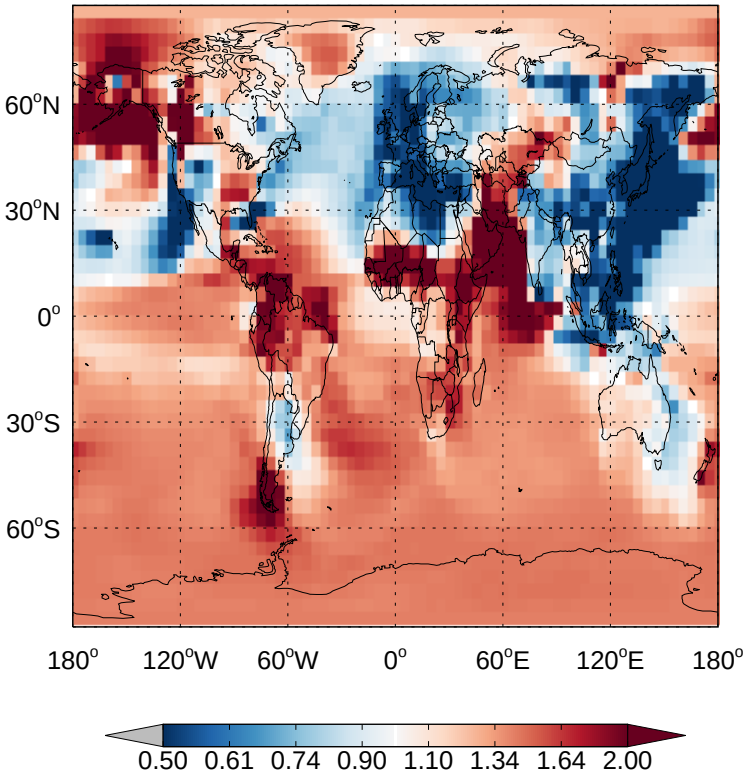
GC_12.0.0 / v11-02f-Run1

ASOG1/ Ratio @ 500 hPa for Jul



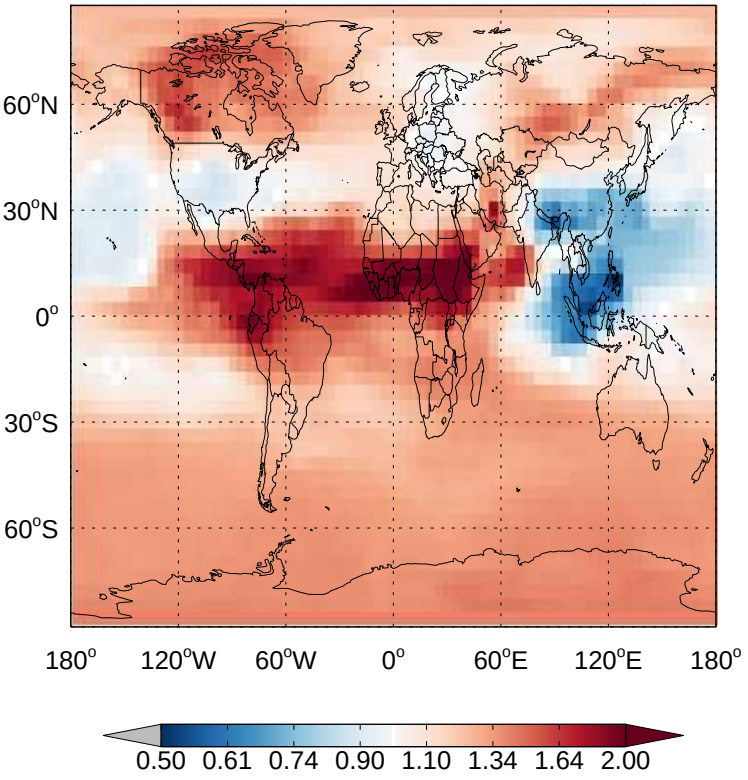
GC_12.0.0 / v11-02e-Run1

ASOG1 / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

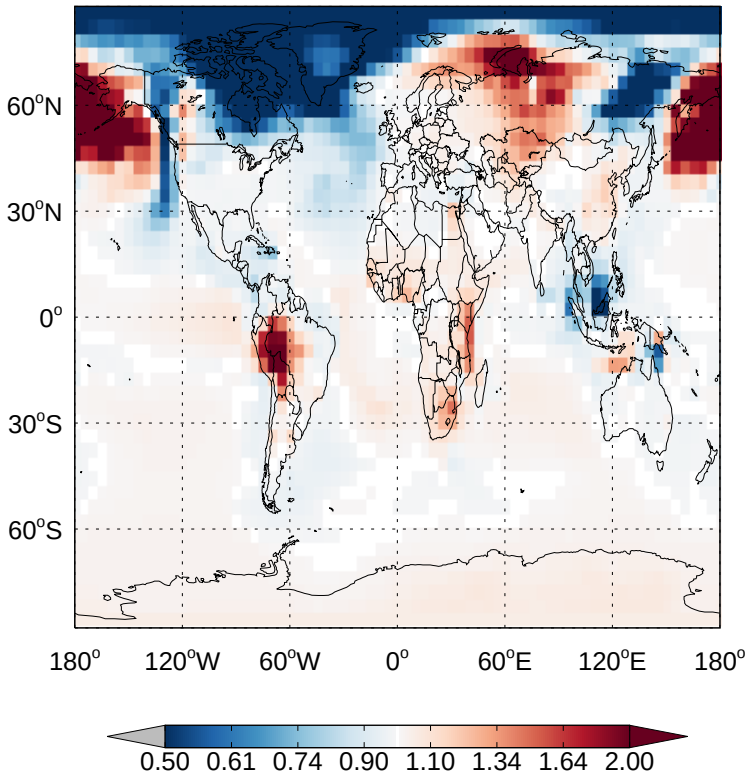
ASOG1/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

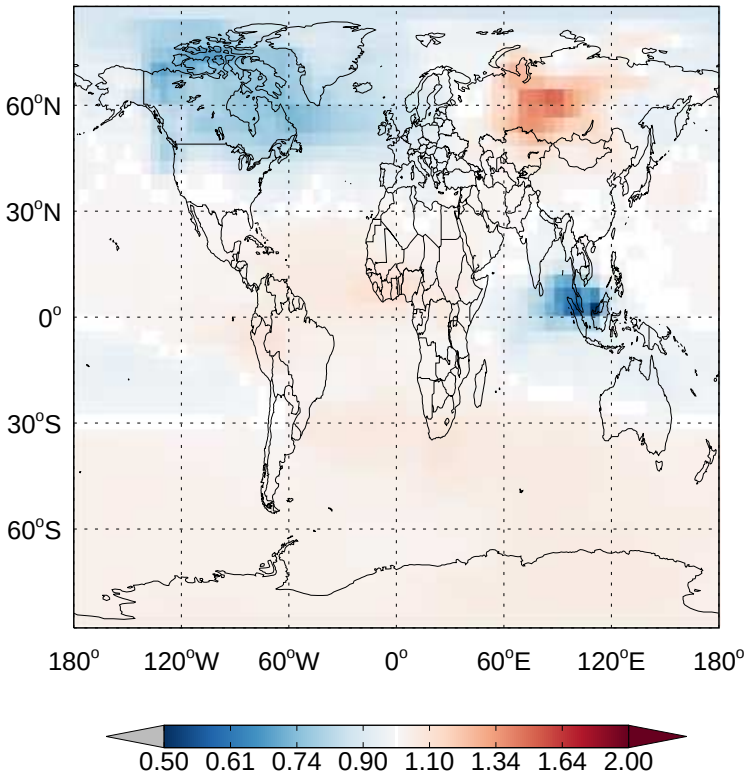
GC_12.0.0 / v11-02f-Run1

ASOG2 / Ratio @ Surface for Jul



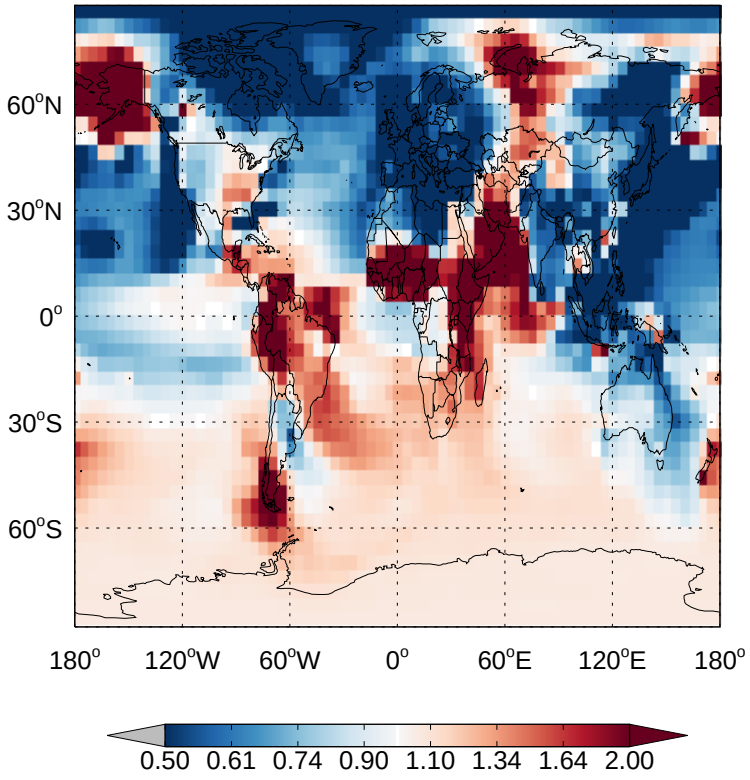
GC_12.0.0 / v11-02f-Run1

ASOG2/ Ratio @ 500 hPa for Jul



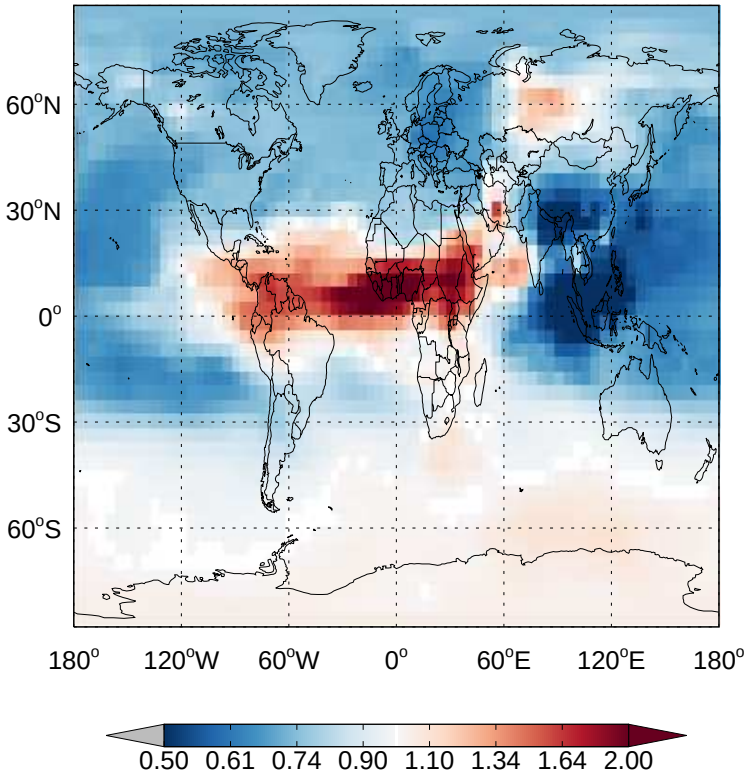
GC_12.0.0 / v11-02e-Run1

ASOG2 / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

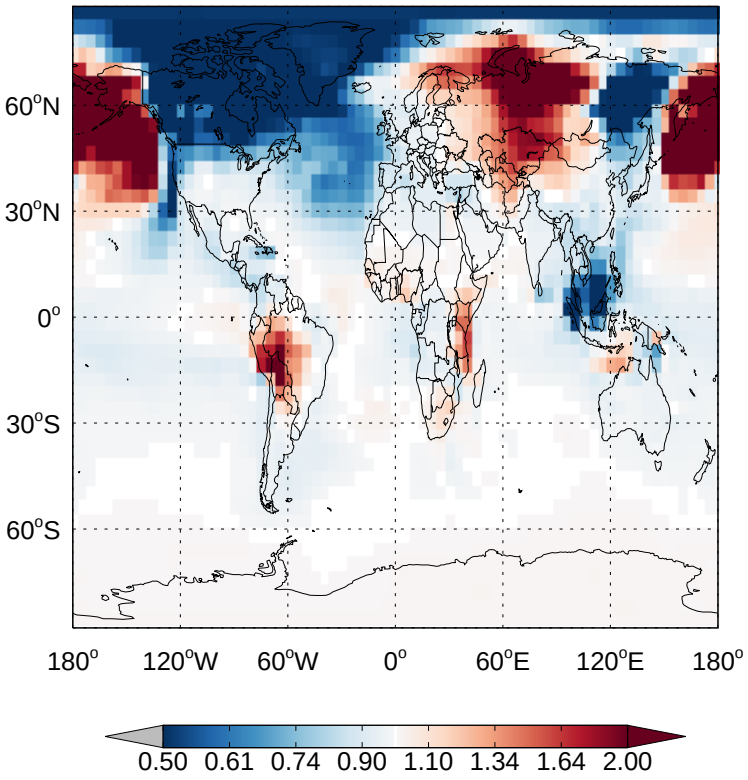
ASOG2/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

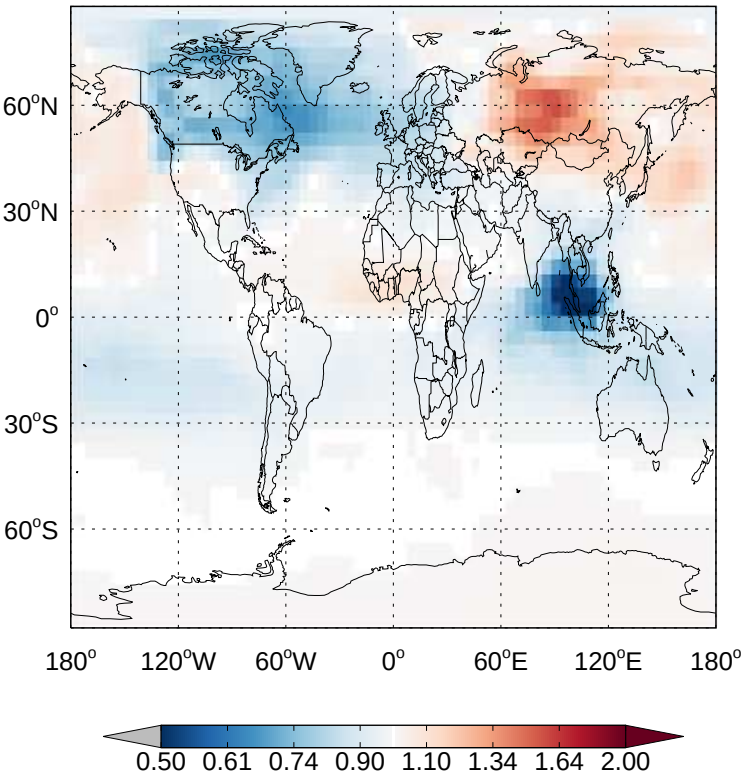
GC_12.0.0 / v11-02f-Run1

ASOG3 / Ratio @ Surface for Jul



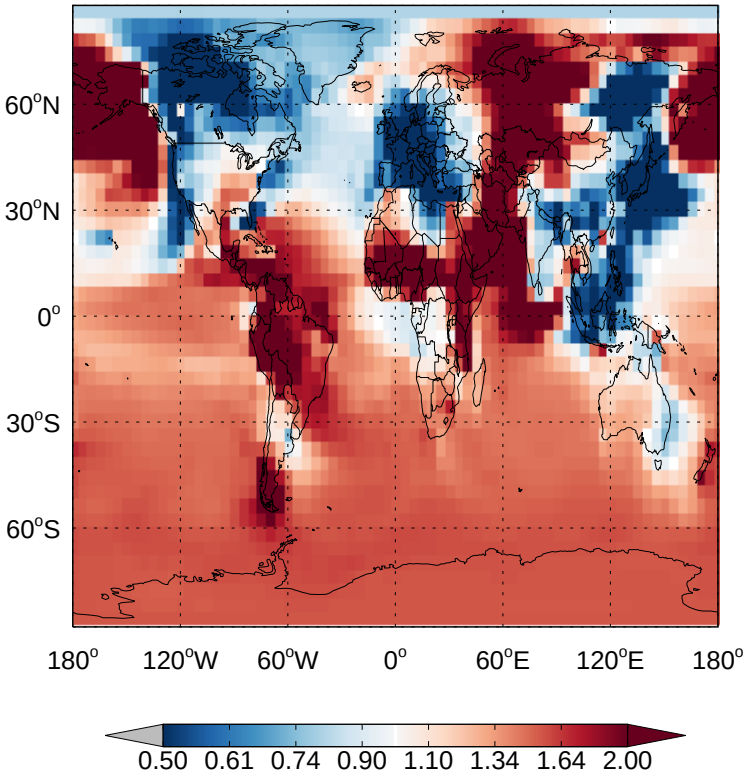
GC_12.0.0 / v11-02f-Run1

ASOG3/ Ratio @ 500 hPa for Jul



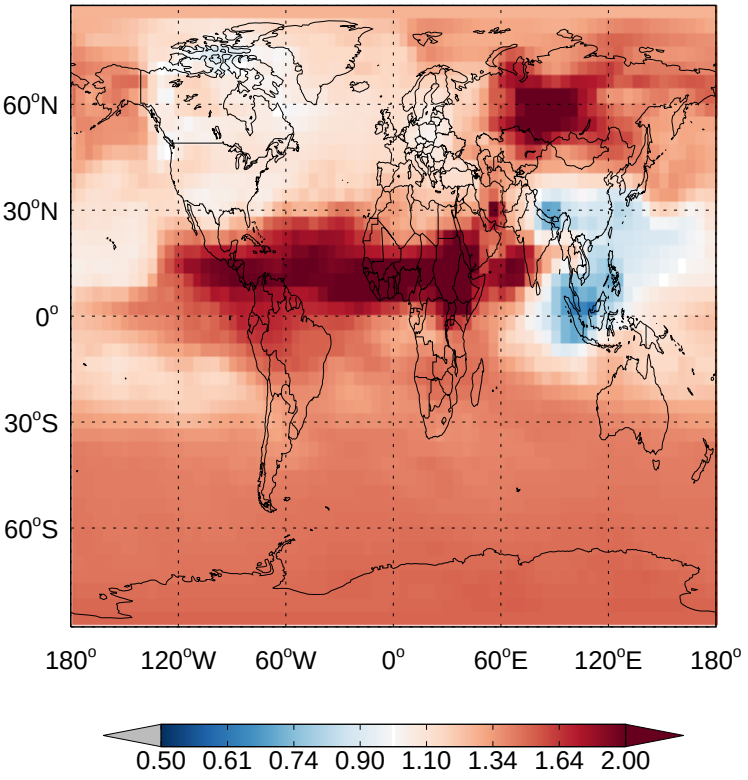
GC_12.0.0 / v11-02e-Run1

ASOG3 / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

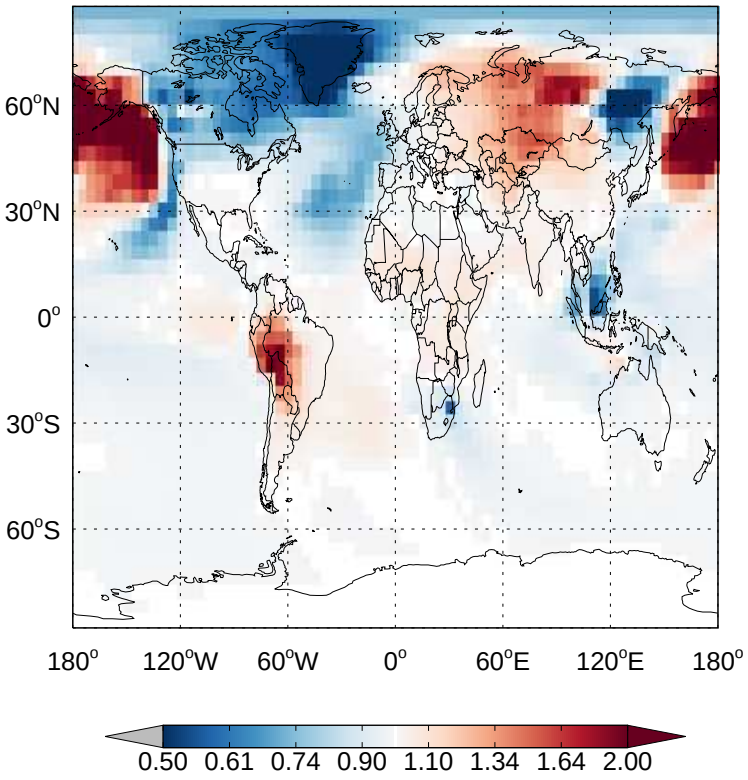
ASOG3/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

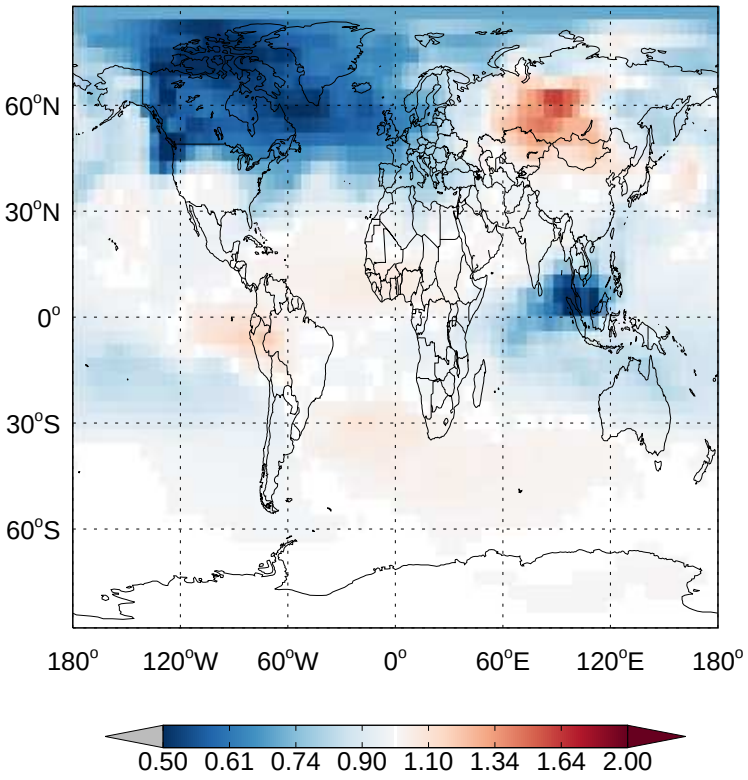
GC_12.0.0 / v11-02f-Run1

ASOAN / Ratio @ Surface for Jul



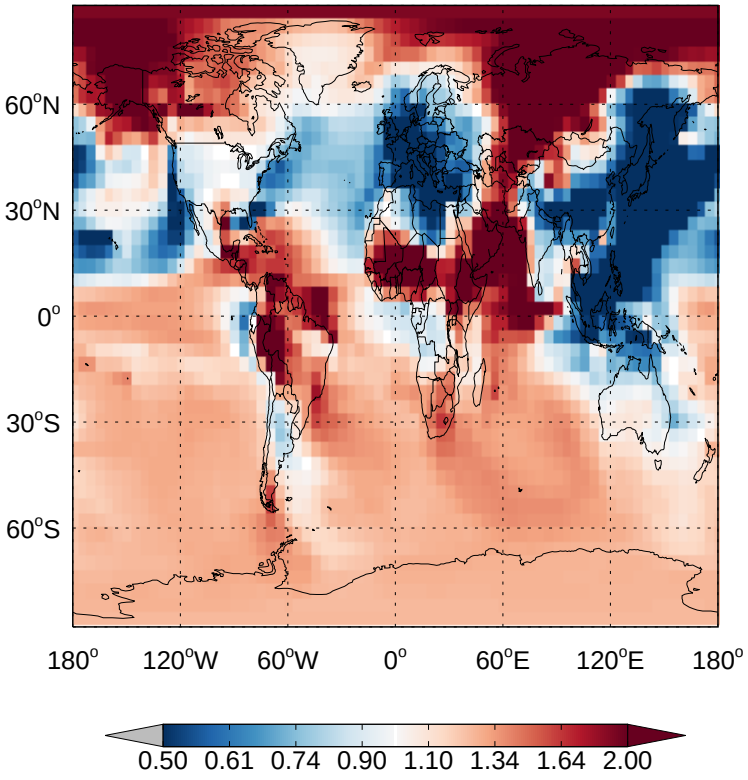
GC_12.0.0 / v11-02f-Run1

ASOAN/ Ratio @ 500 hPa for Jul



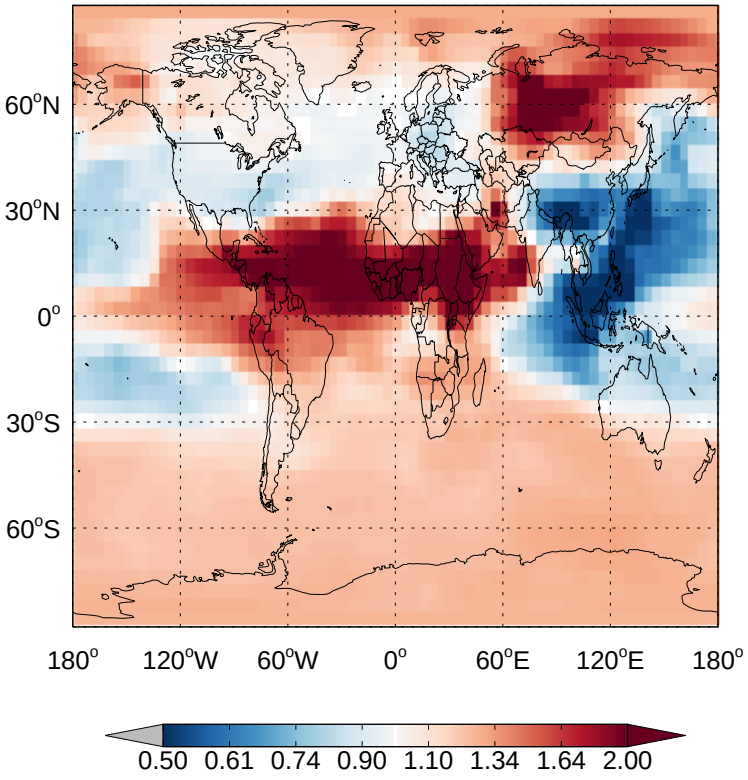
GC_12.0.0 / v11-02e-Run1

ASOAN / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

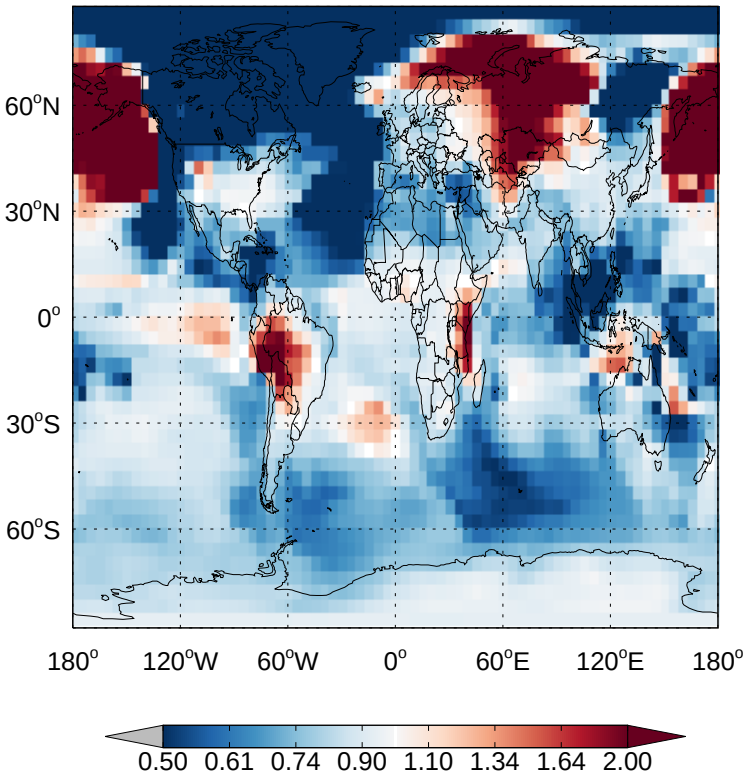
ASOAN/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

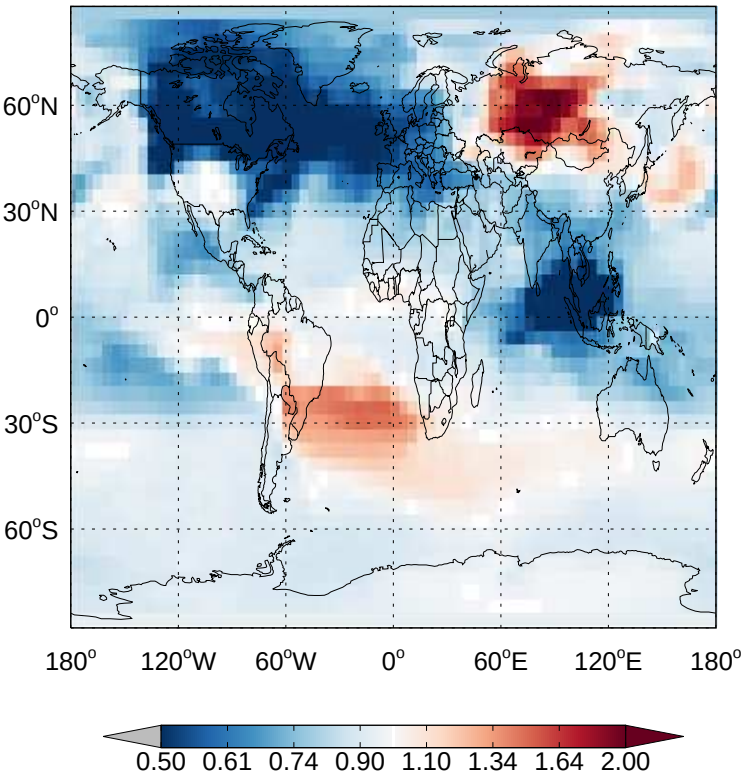
GC_12.0.0 / v11-02f-Run1

ASOA1 / Ratio @ Surface for Jul



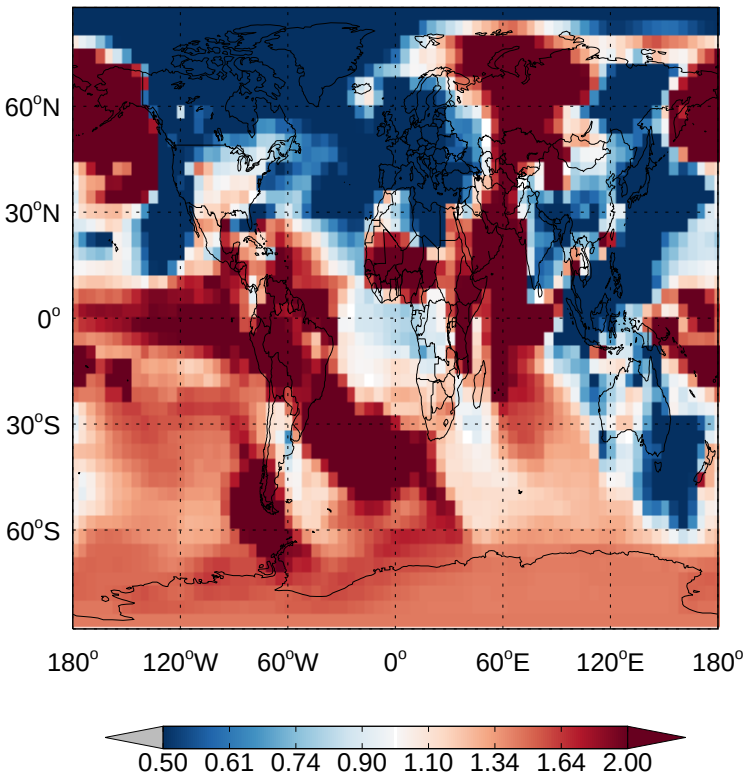
GC_12.0.0 / v11-02f-Run1

ASOA1/ Ratio @ 500 hPa for Jul



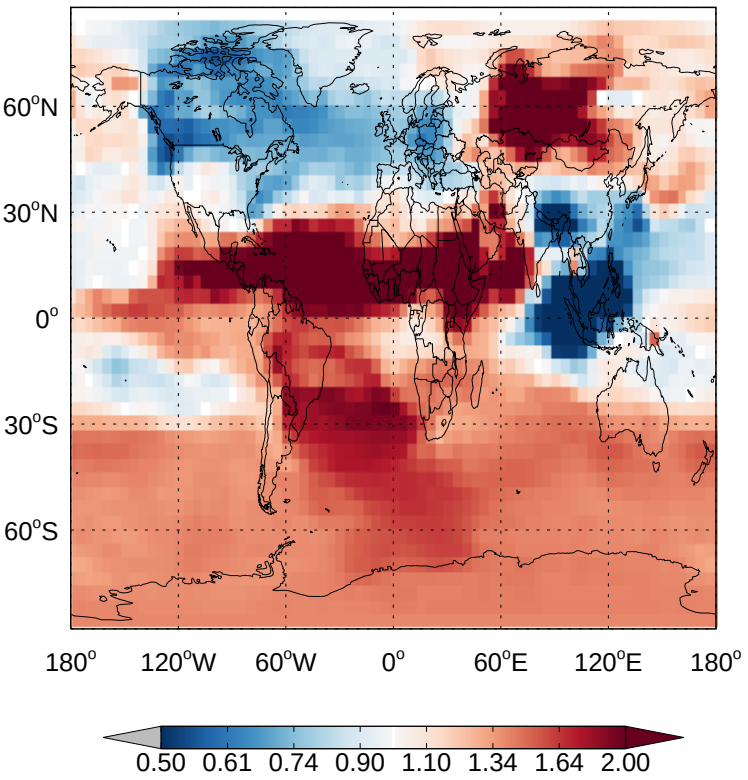
GC_12.0.0 / v11-02e-Run1

ASOA1 / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

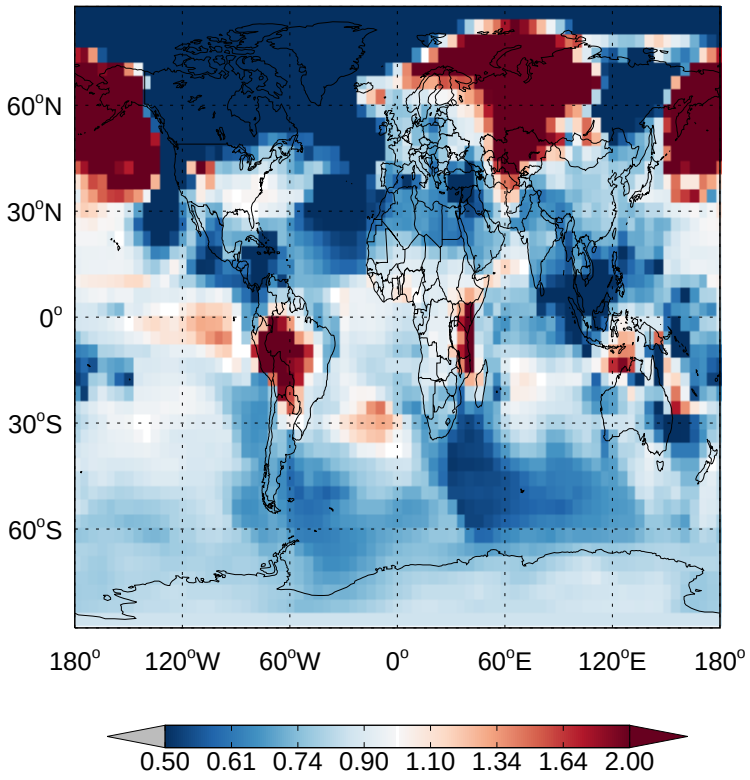
ASOA1/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

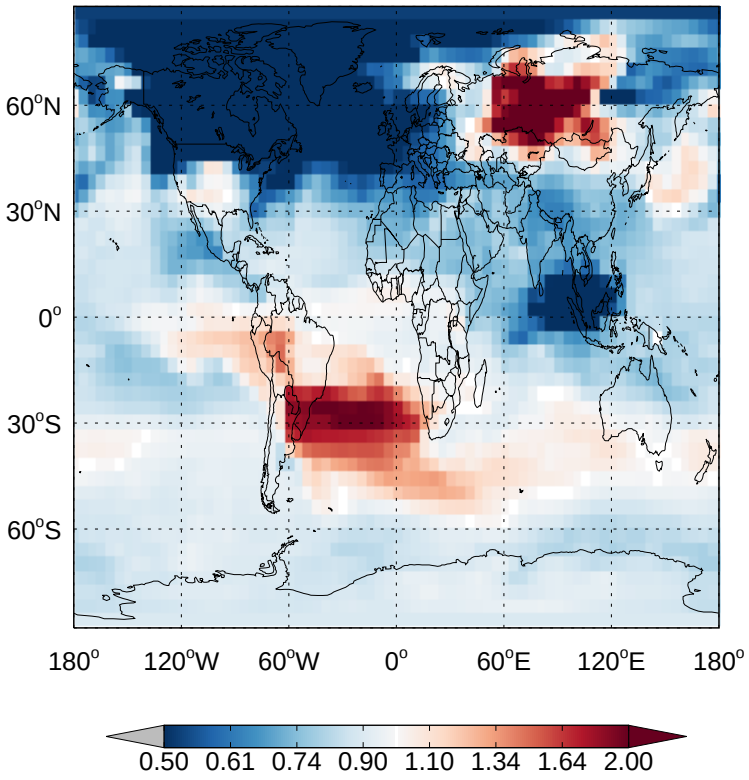
GC_12.0.0 / v11-02f-Run1

ASOA2 / Ratio @ Surface for Jul



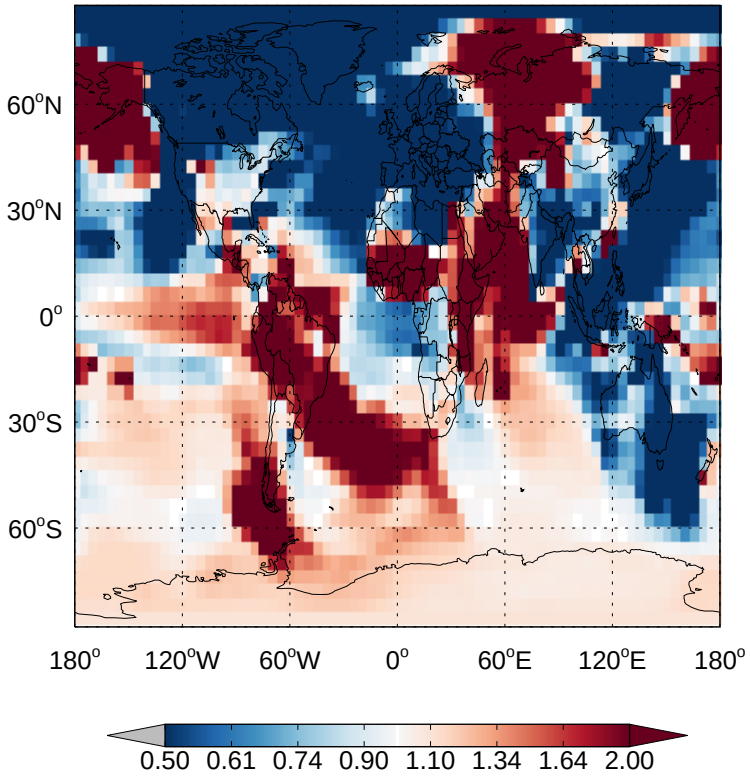
GC_12.0.0 / v11-02f-Run1

ASOA2/ Ratio @ 500 hPa for Jul



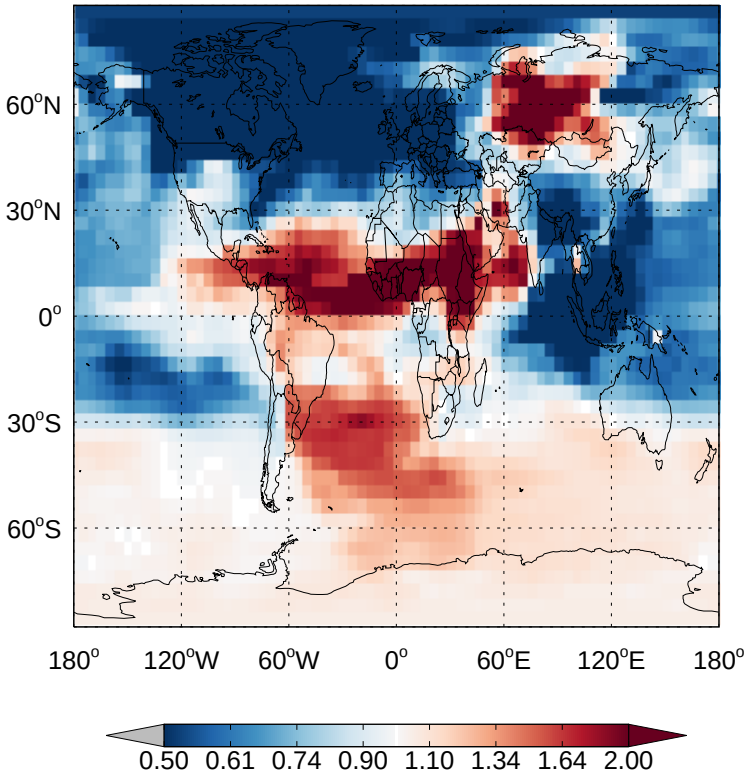
GC_12.0.0 / v11-02e-Run1

ASOA2 / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

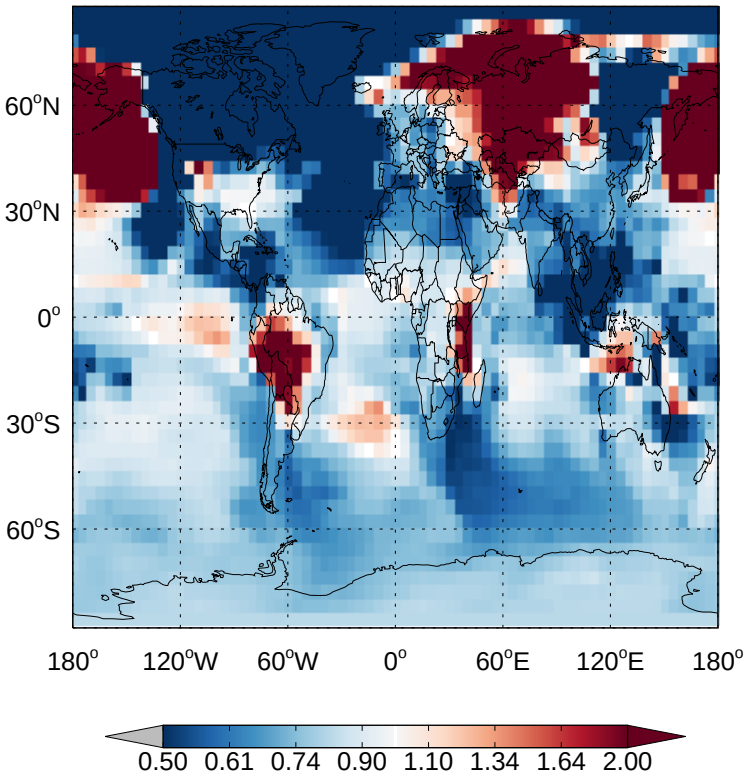
ASOA2/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

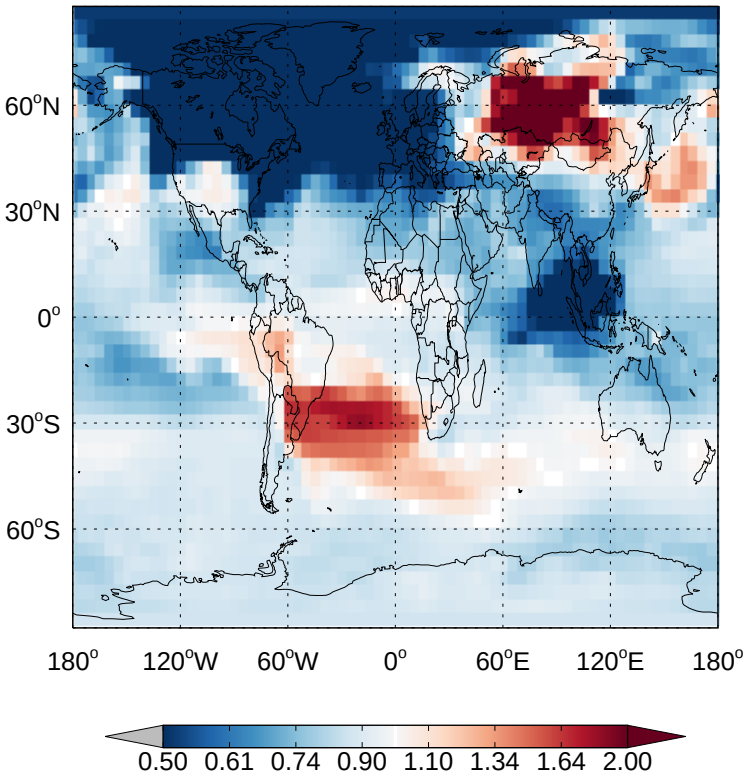
GC_12.0.0 / v11-02f-Run1

ASOA3 / Ratio @ Surface for Jul



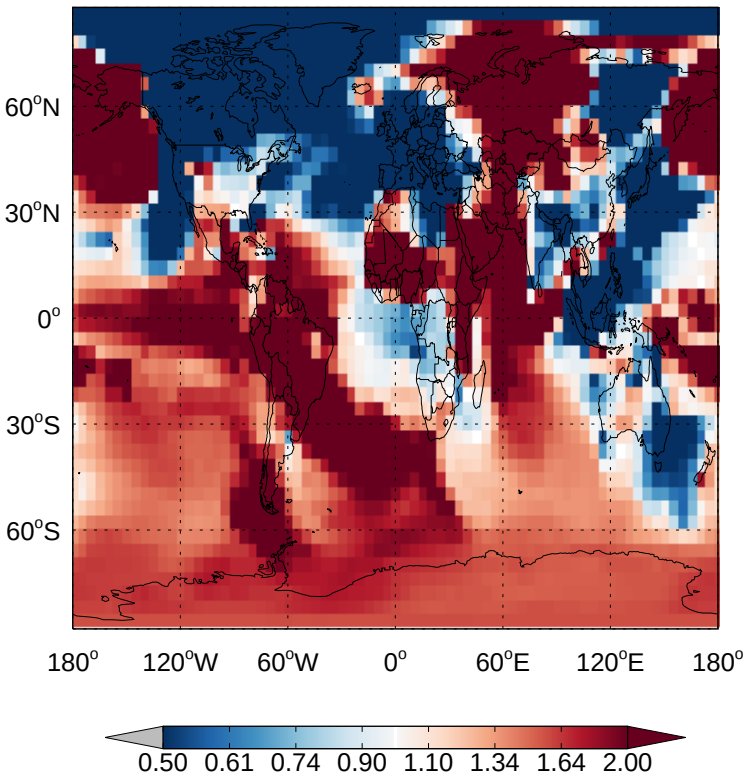
GC_12.0.0 / v11-02f-Run1

ASOA3/ Ratio @ 500 hPa for Jul



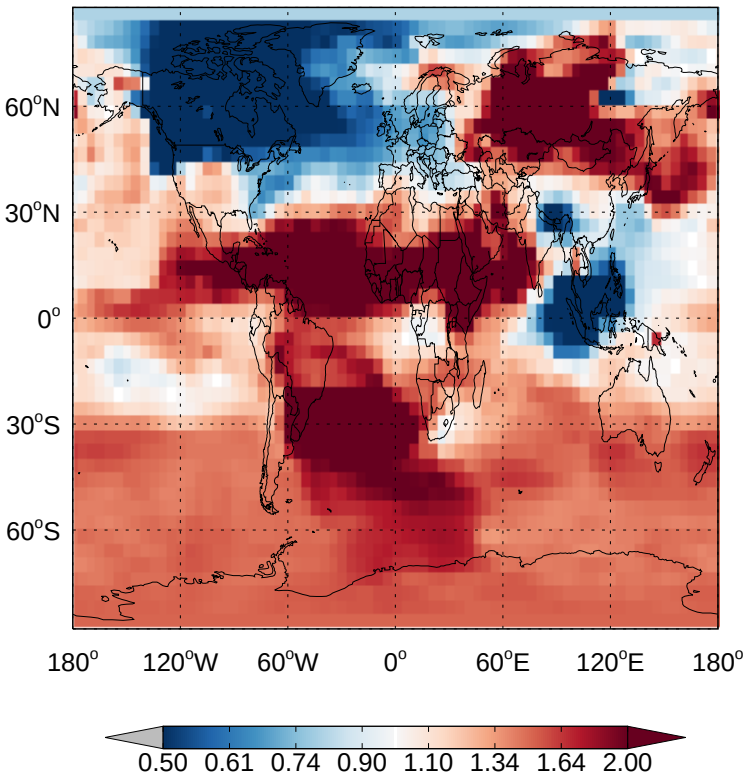
GC_12.0.0 / v11-02e-Run1

ASOA3 / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

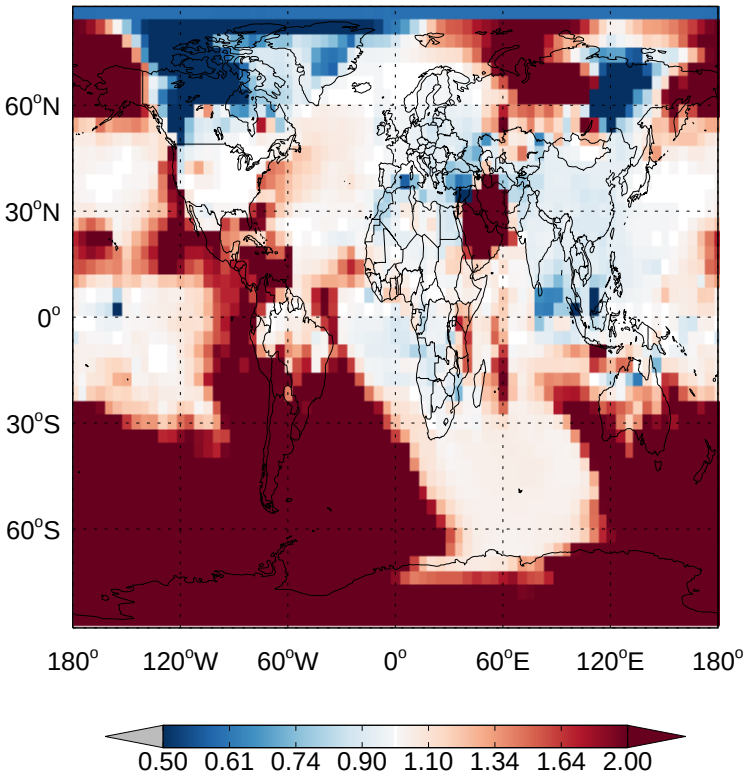
ASOA3/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

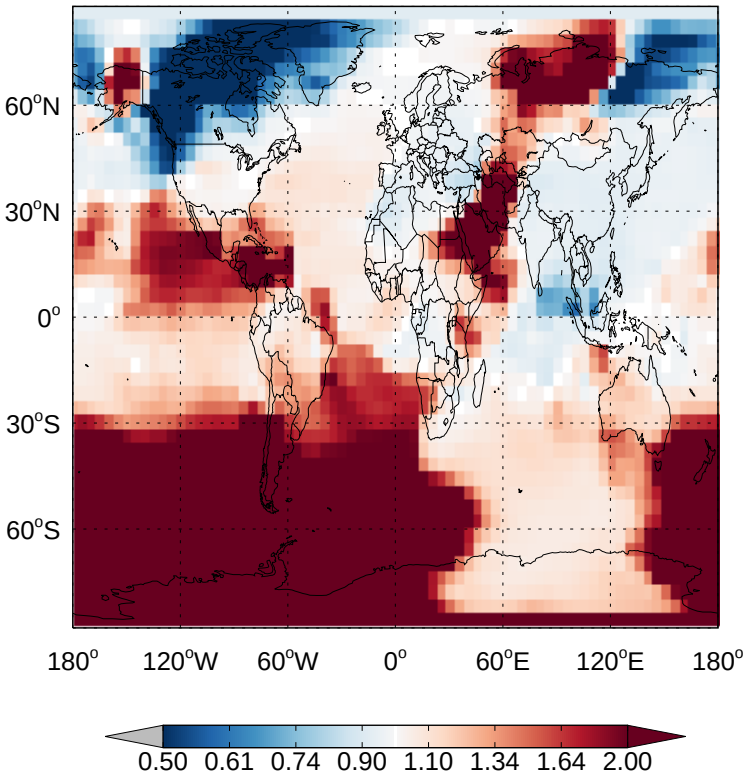
GC_12.0.0 / v11-02f-Run1

SOAP / Ratio @ Surface for Jul



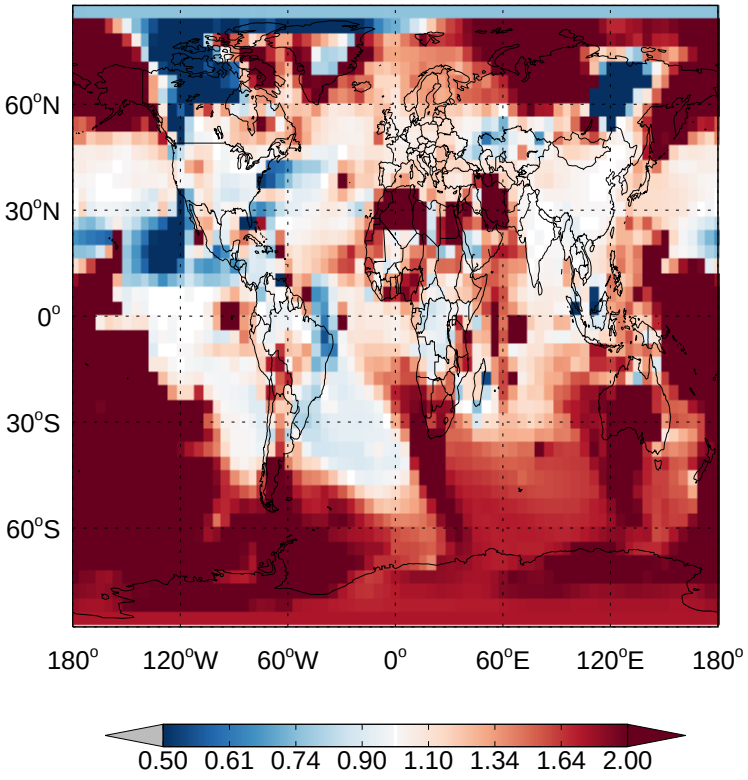
GC_12.0.0 / v11-02f-Run1

SOAP/ Ratio @ 500 hPa for Jul



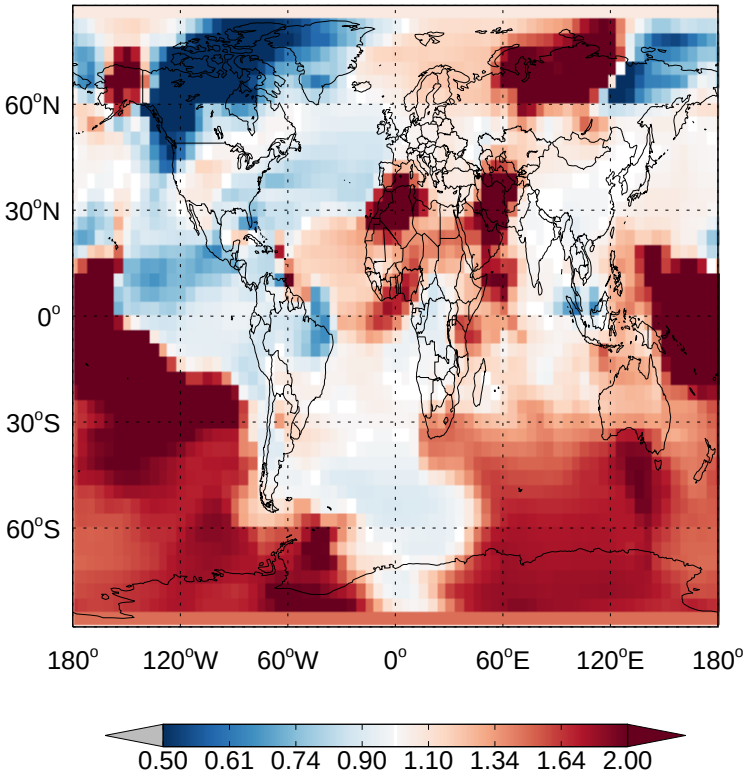
GC_12.0.0 / v11-02e-Run1

SOAP / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

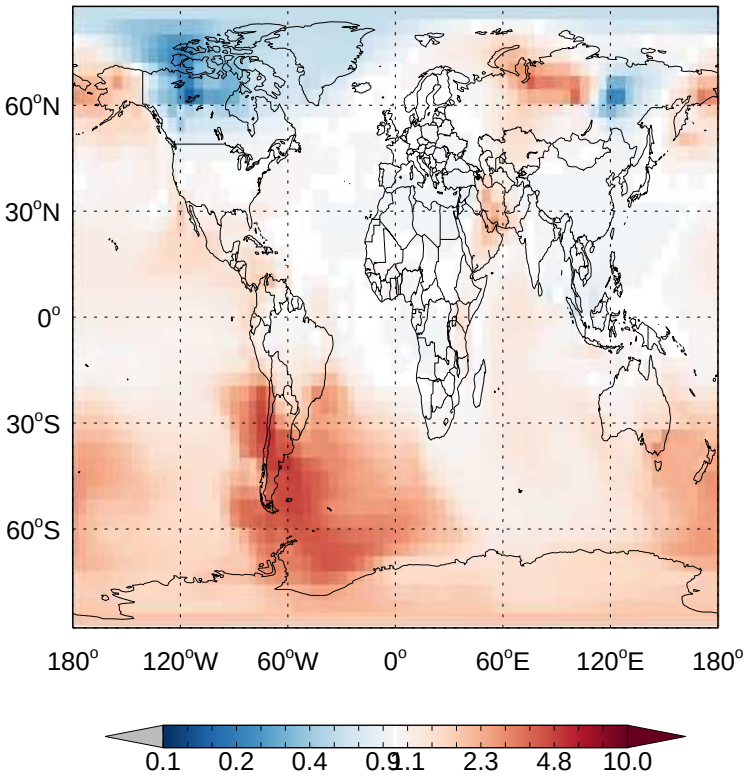
SOAP/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

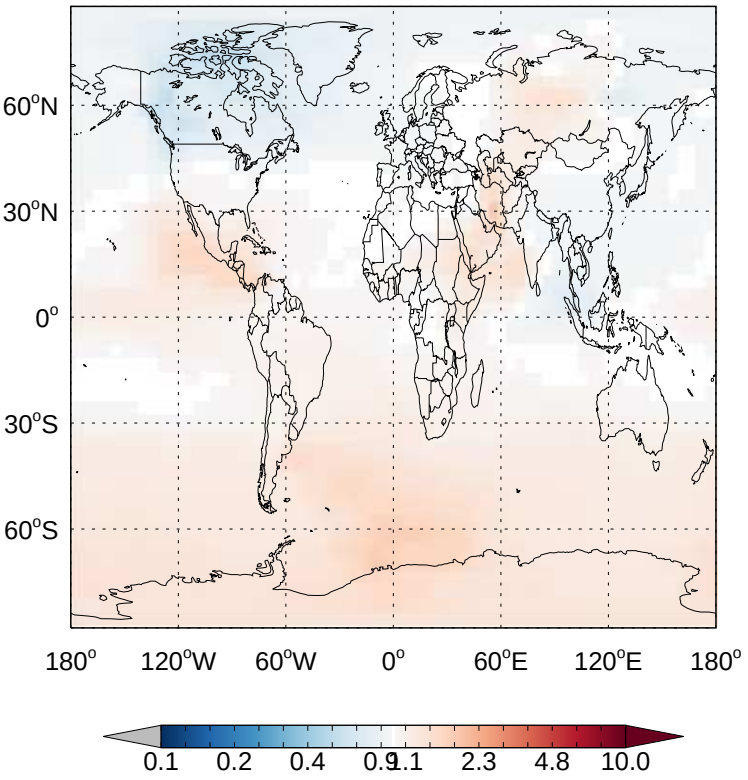
GC_12.0.0 / v11-02f-Run1

SOAS / Ratio @ Surface for Jul



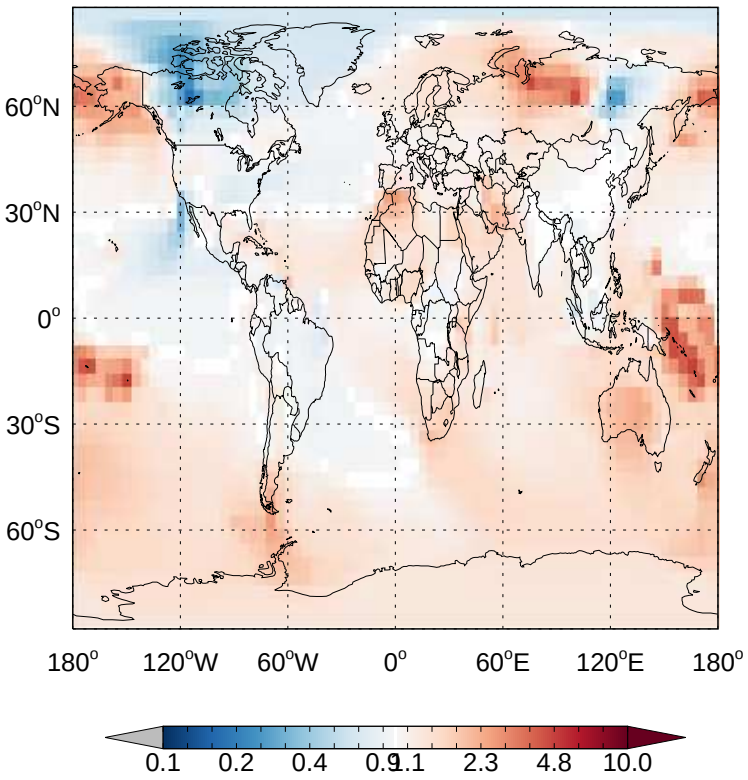
GC_12.0.0 / v11-02f-Run1

SOAS/ Ratio @ 500 hPa for Jul



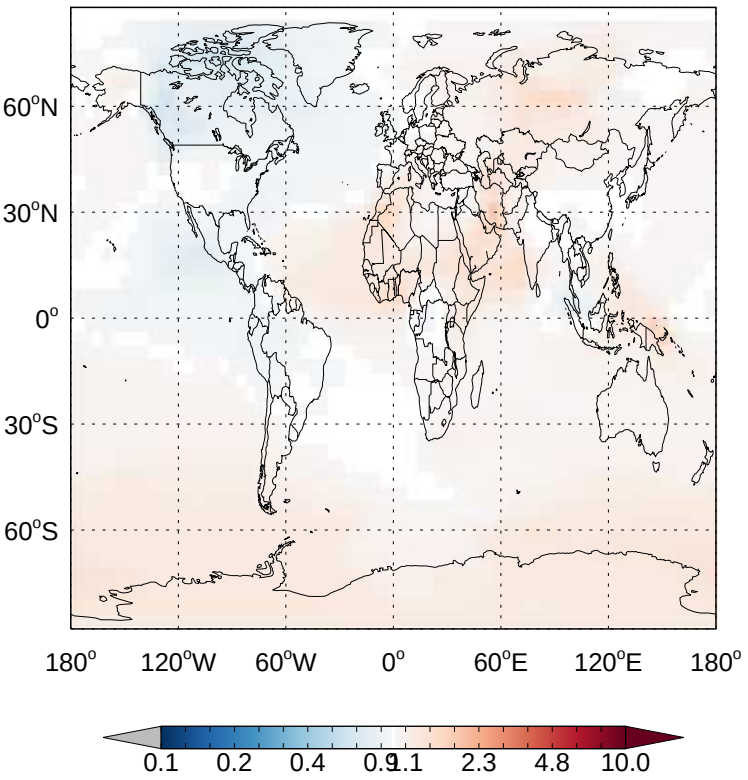
GC_12.0.0 / v11-02e-Run1

SOAS / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

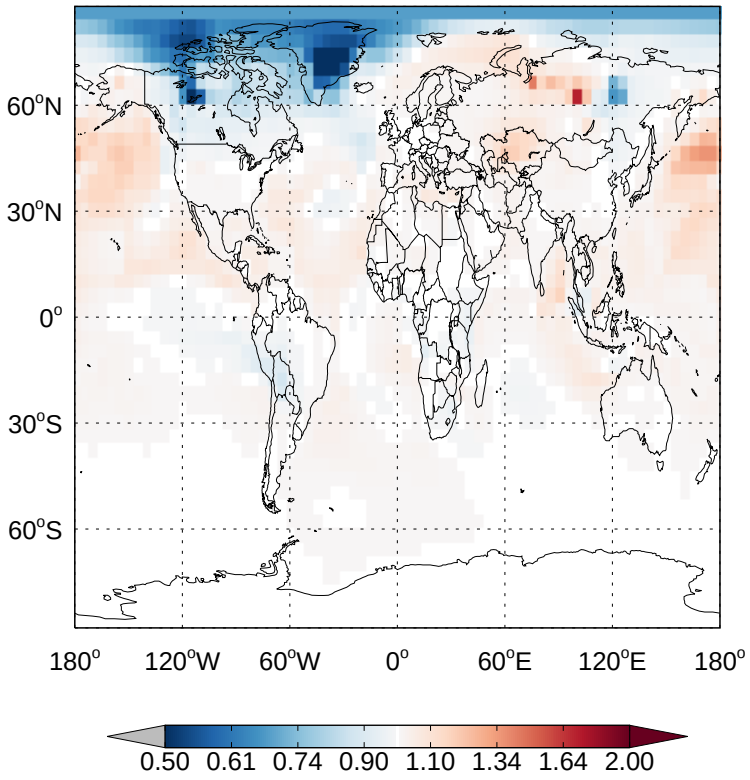
SOAS/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

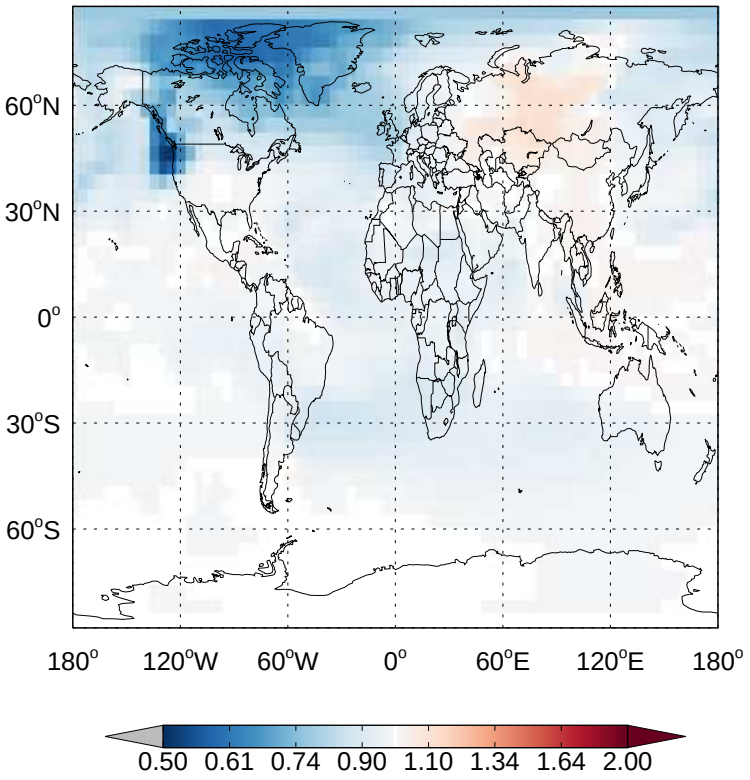
GC_12.0.0 / v11-02f-Run1

EOH / Ratio @ Surface for Jul



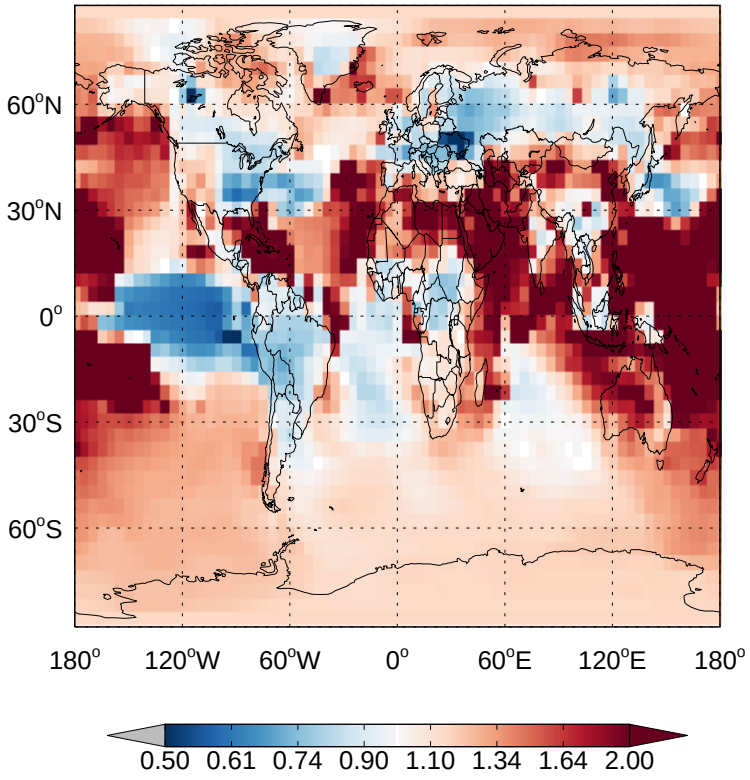
GC_12.0.0 / v11-02f-Run1

EOH/ Ratio @ 500 hPa for Jul



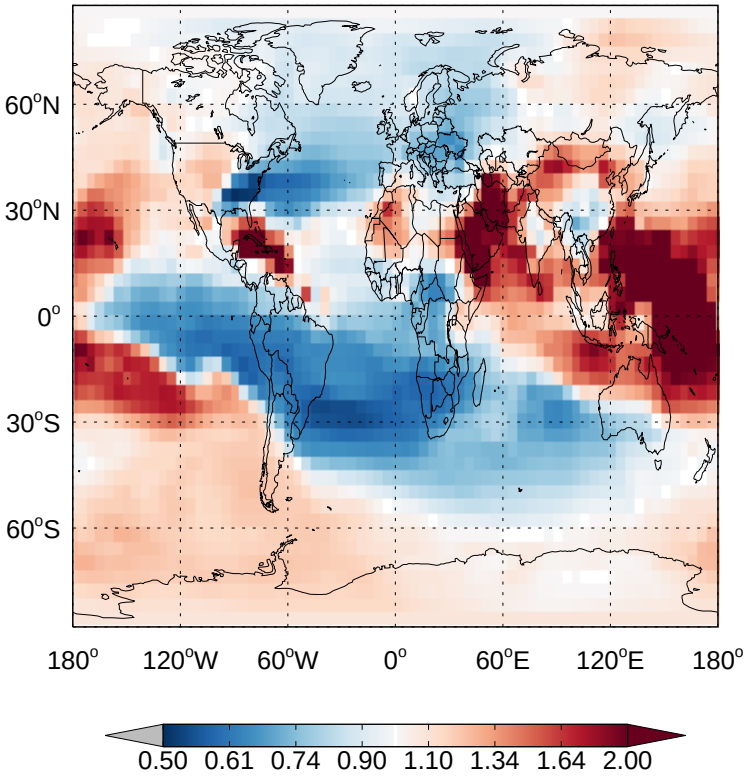
GC_12.0.0 / v11-02e-Run1

EOH / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

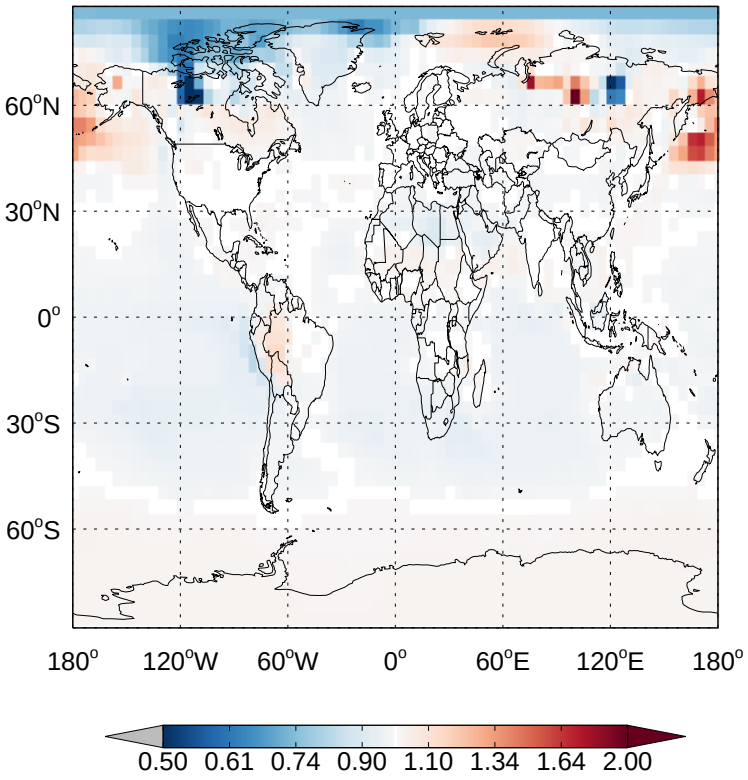
EOH/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

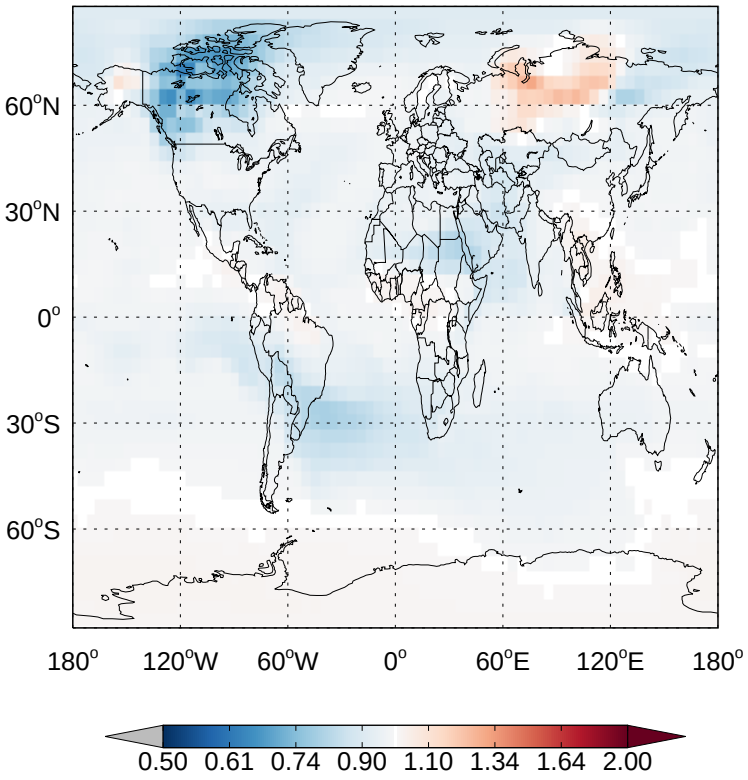
GC_12.0.0 / v11-02f-Run1

MGLY / Ratio @ Surface for Jul



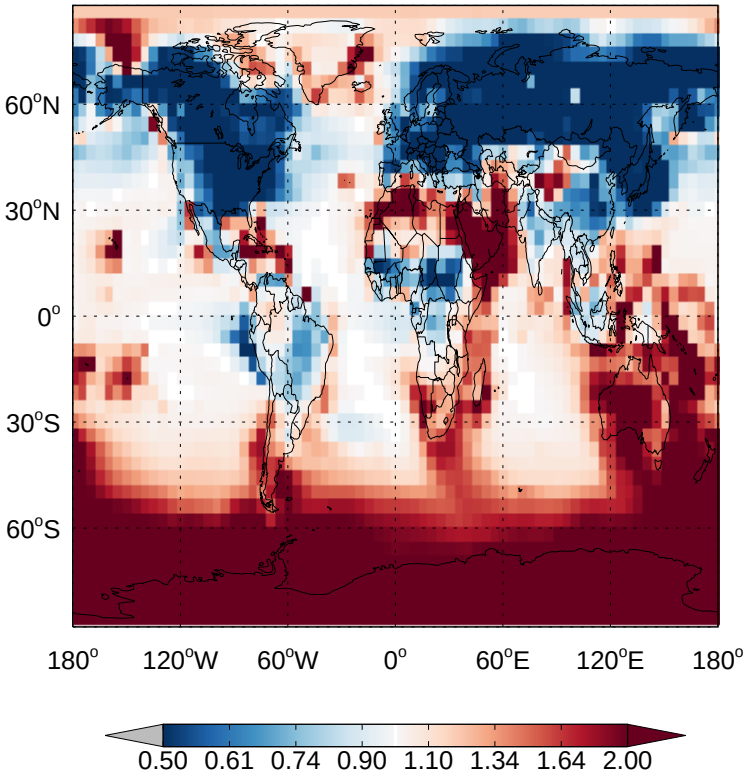
GC_12.0.0 / v11-02f-Run1

MGLY/ Ratio @ 500 hPa for Jul



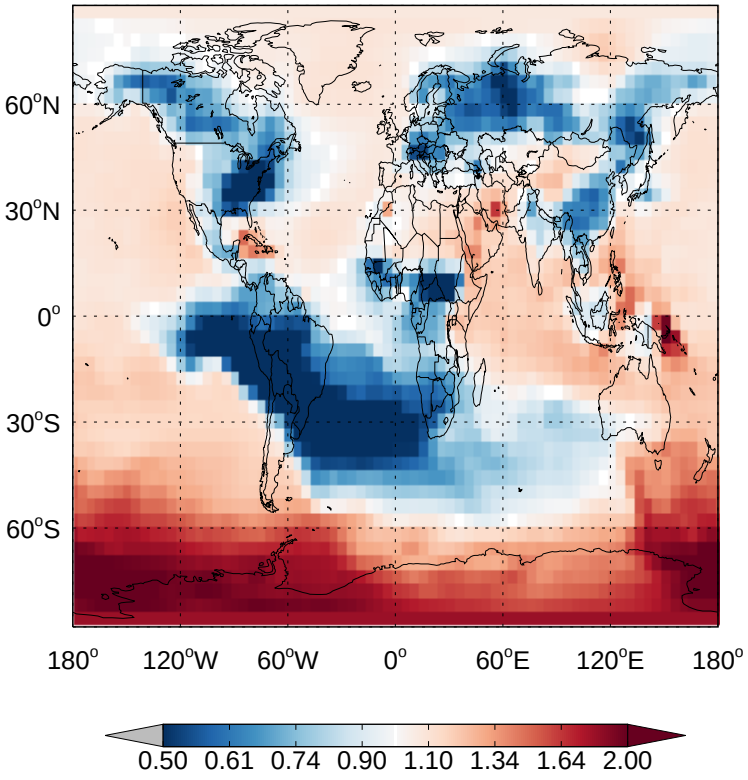
GC_12.0.0 / v11-02e-Run1

MGLY / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

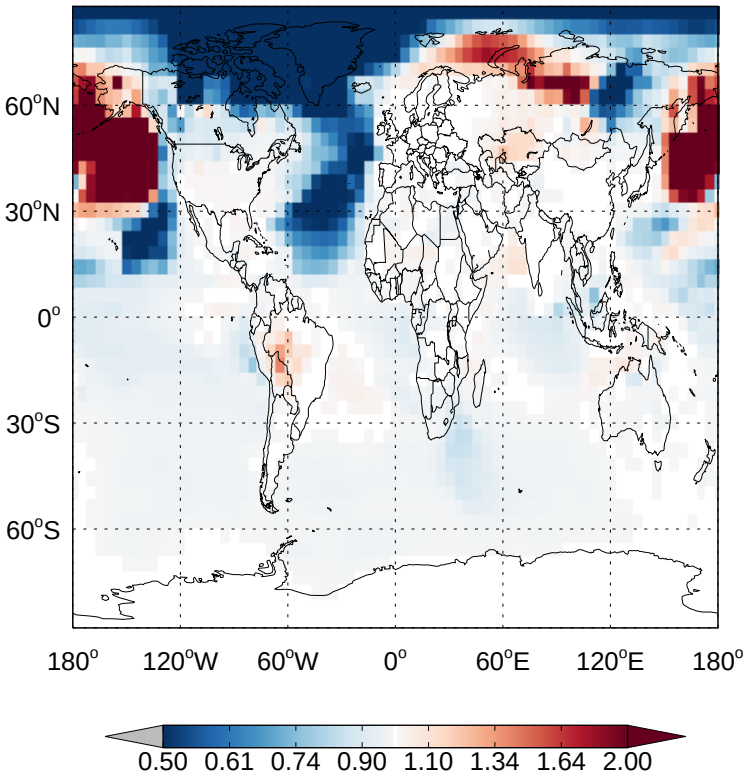
MGLY/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

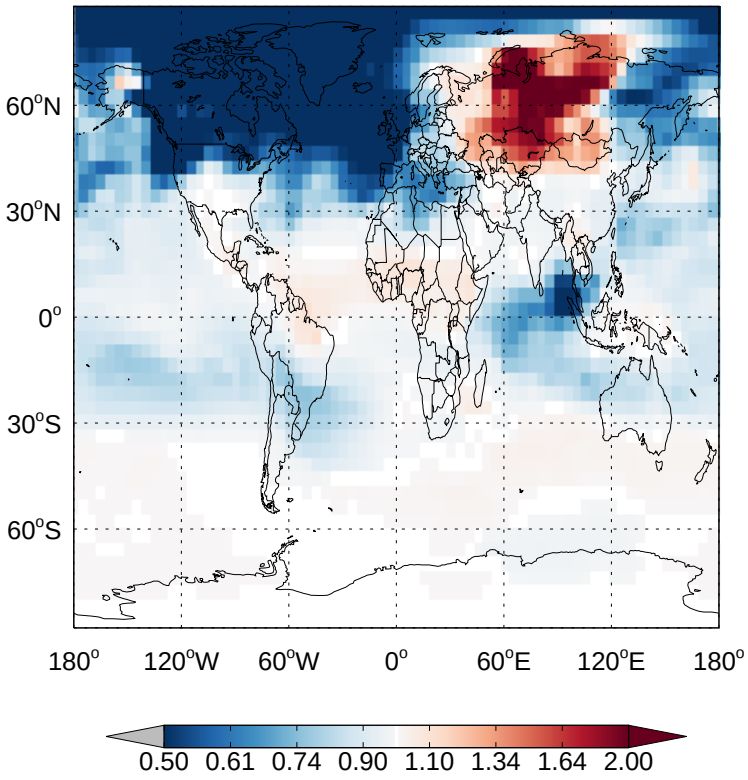
GC_12.0.0 / v11-02f-Run1

GLYX / Ratio @ Surface for Jul



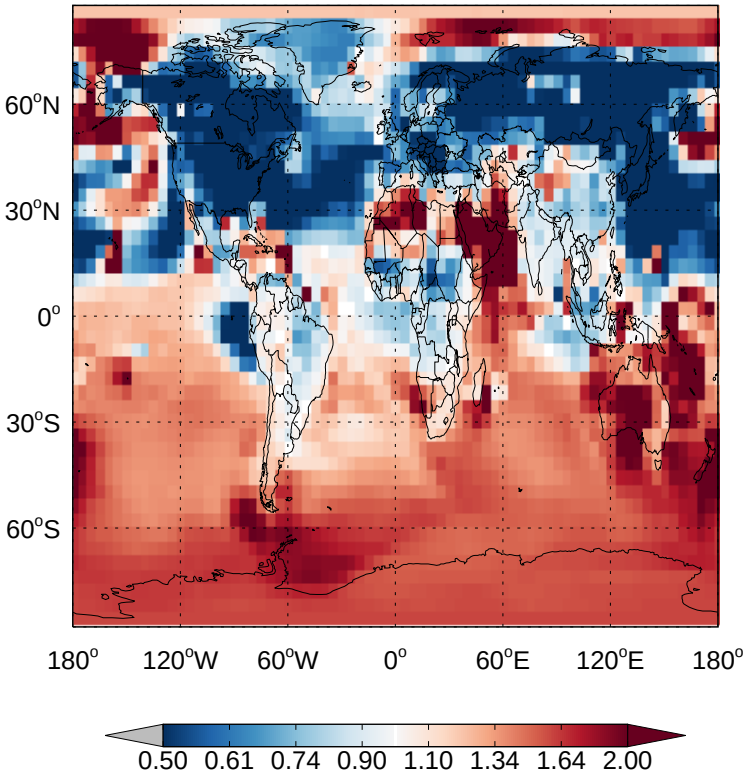
GC_12.0.0 / v11-02f-Run1

GLYX/ Ratio @ 500 hPa for Jul



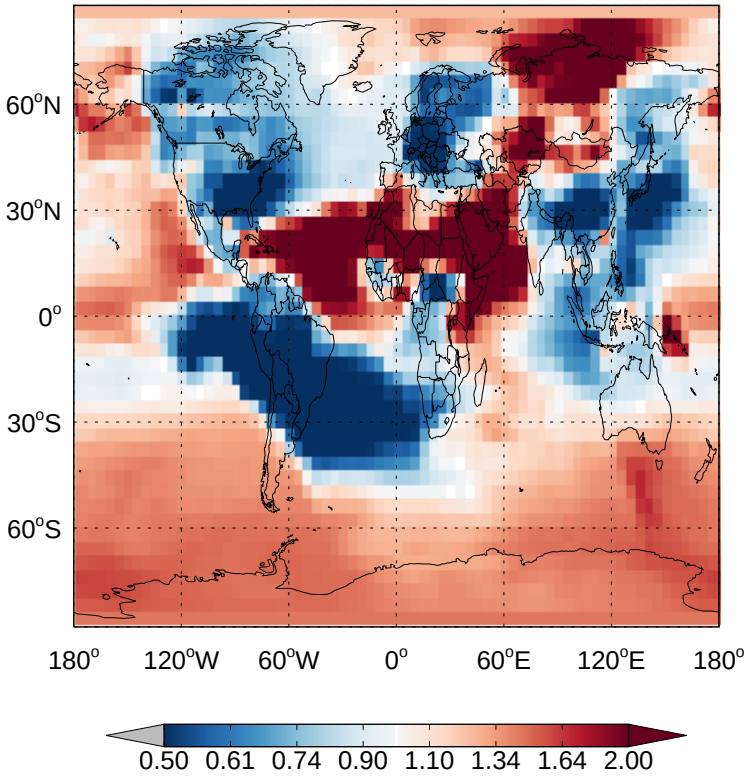
GC_12.0.0 / v11-02e-Run1

GLYX / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

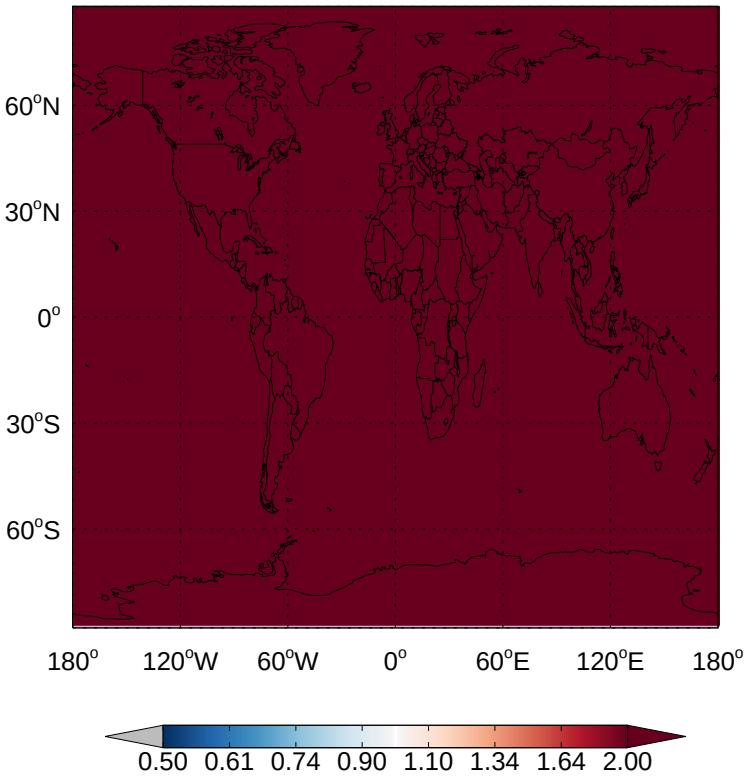
GLYX/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

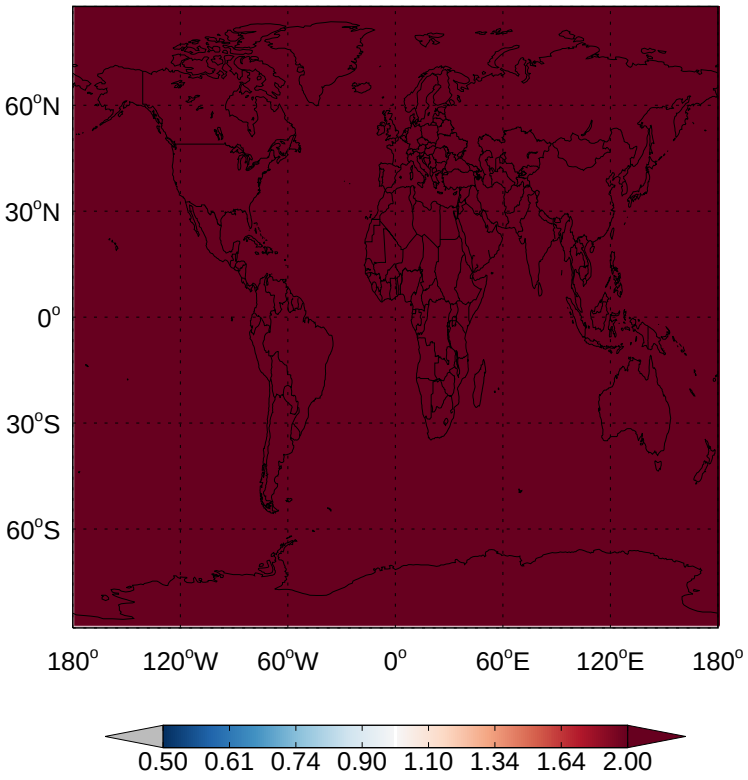
GC_12.0.0 / v11-02f-Run1

ACTA / Ratio @ Surface for Jul



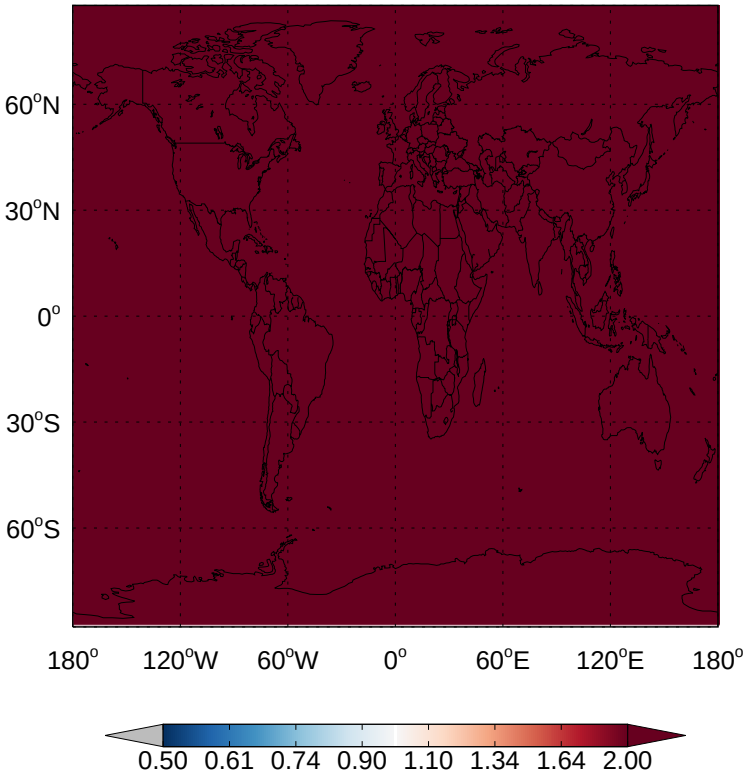
GC_12.0.0 / v11-02f-Run1

ACTA/ Ratio @ 500 hPa for Jul



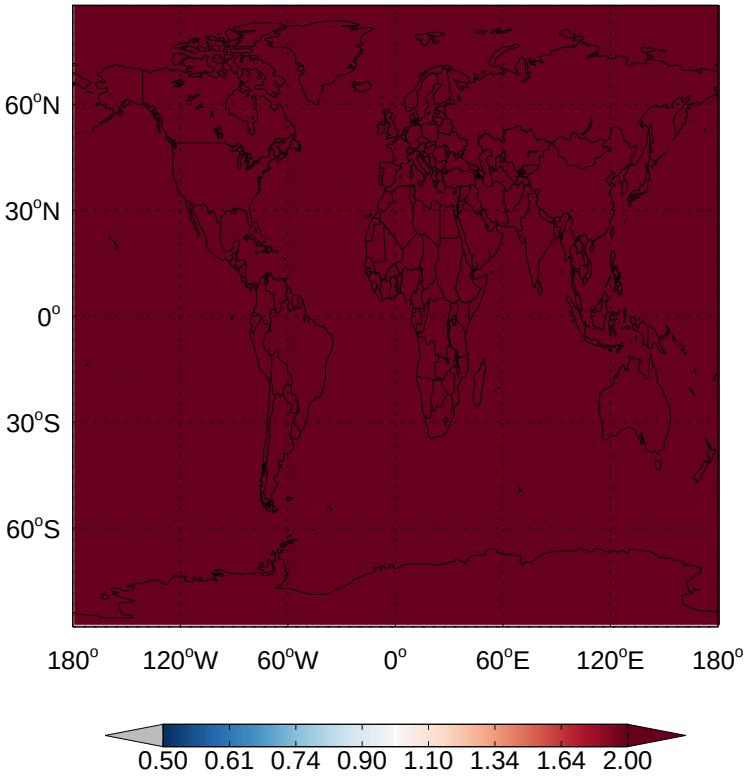
GC_12.0.0 / v11-02e-Run1

ACTA / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

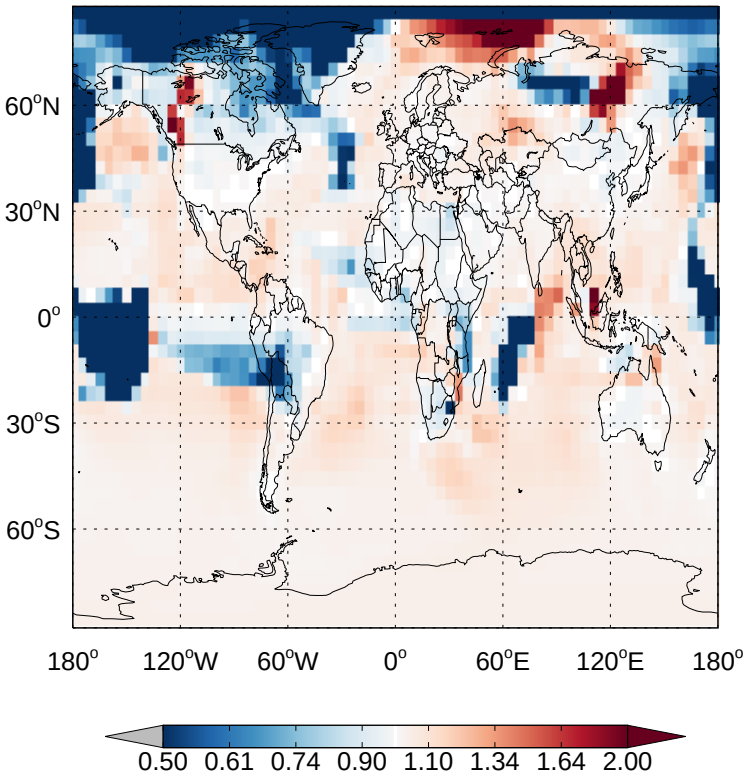
ACTA/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

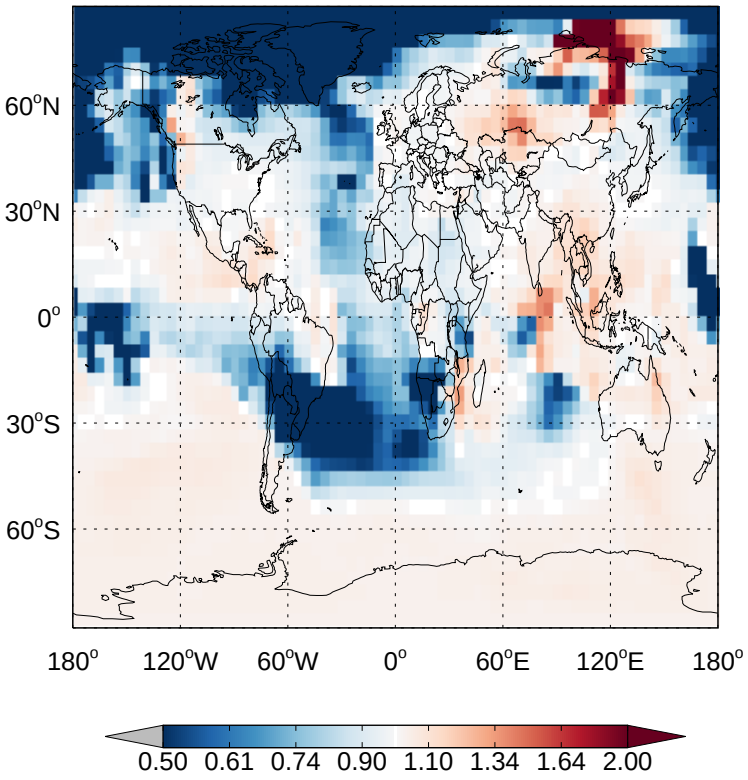
GC_12.0.0 / v11-02f-Run1

HPALD / Ratio @ Surface for Jul



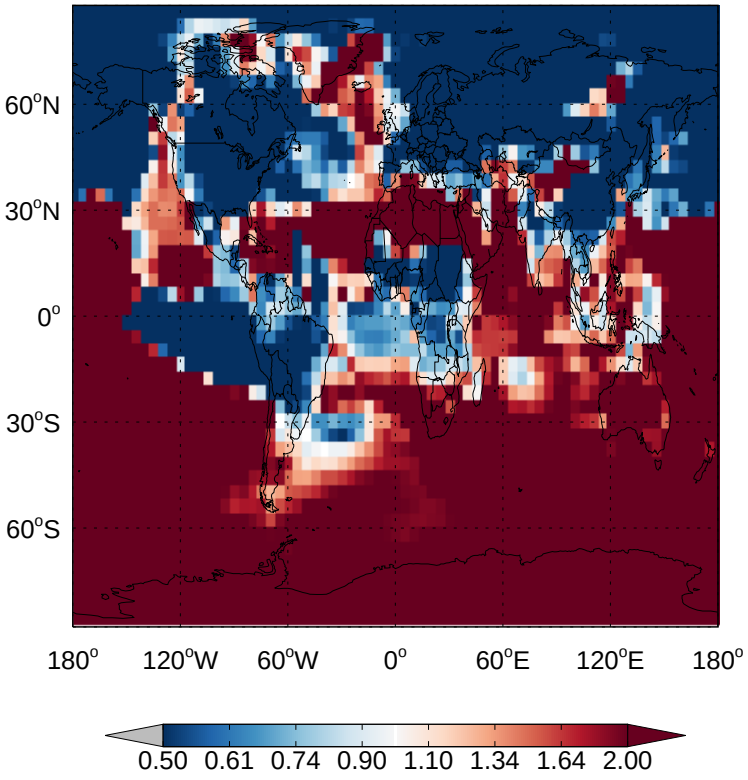
GC_12.0.0 / v11-02f-Run1

HPALD/ Ratio @ 500 hPa for Jul



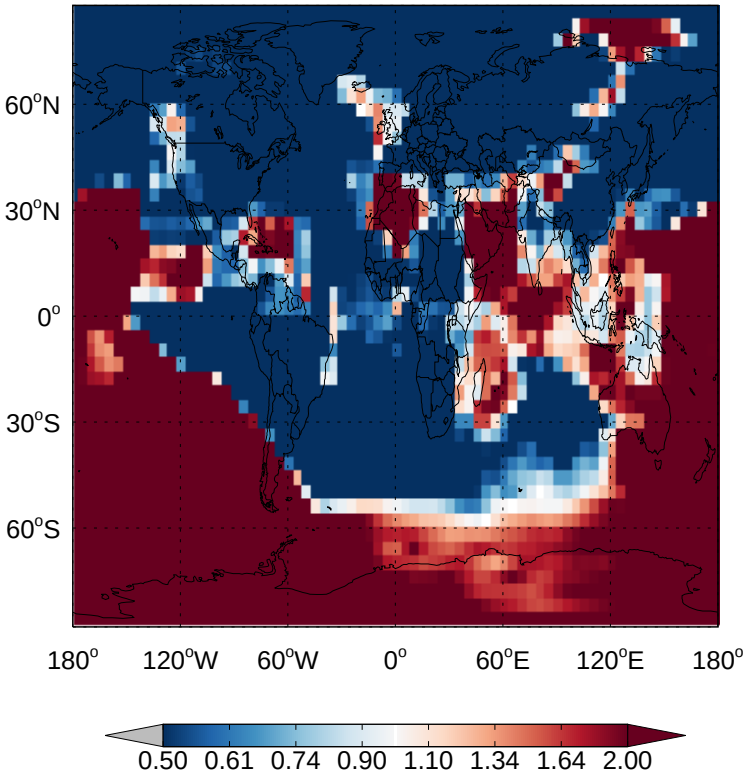
GC_12.0.0 / v11-02e-Run1

HPALD / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

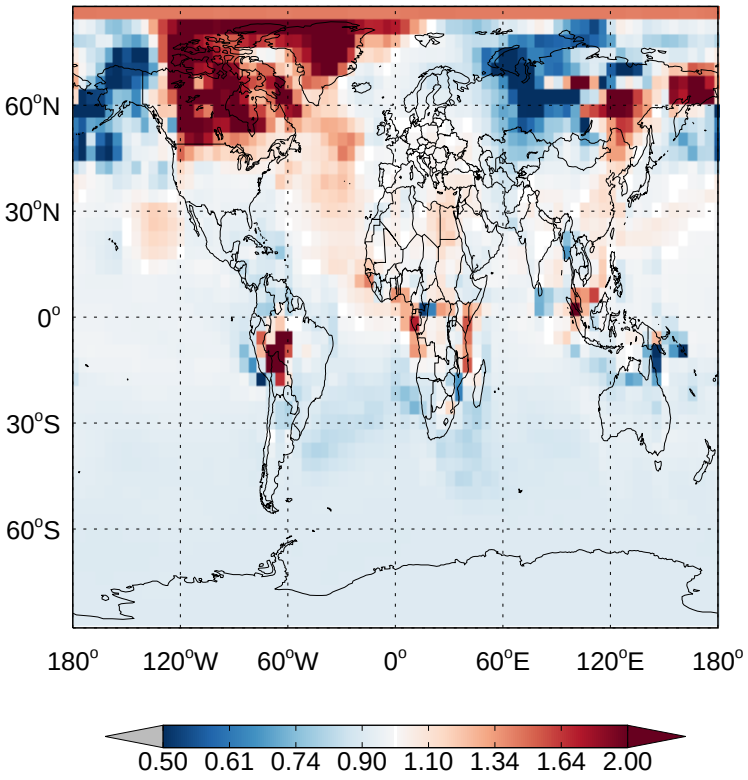
HPALD/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

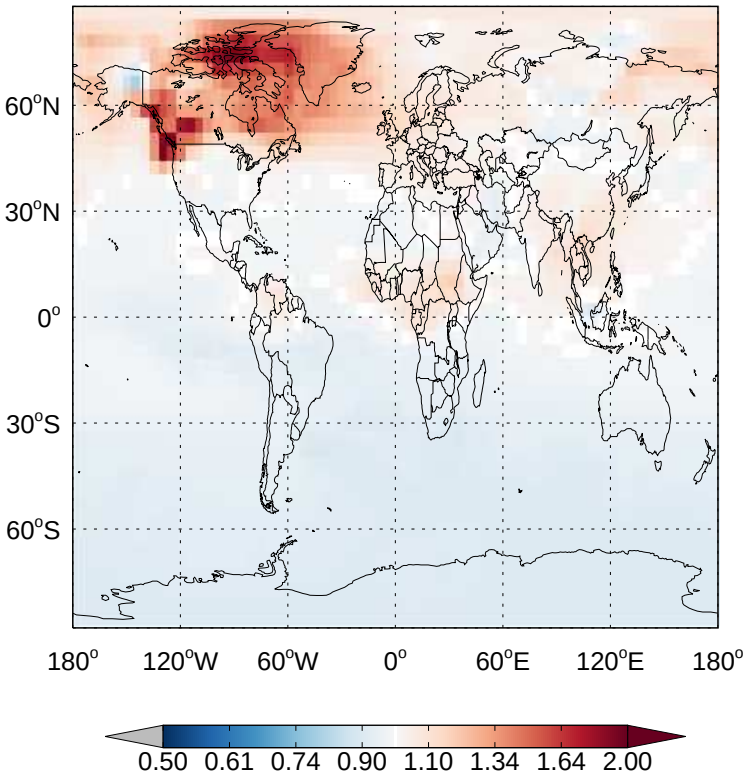
GC_12.0.0 / v11-02f-Run1

DHDN / Ratio @ Surface for Jul



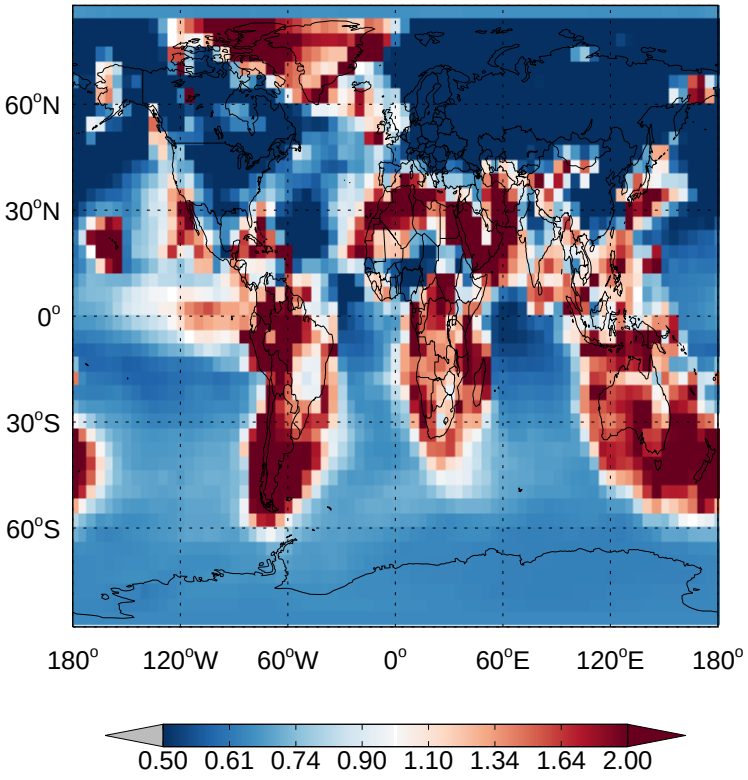
GC_12.0.0 / v11-02f-Run1

DHDN/ Ratio @ 500 hPa for Jul



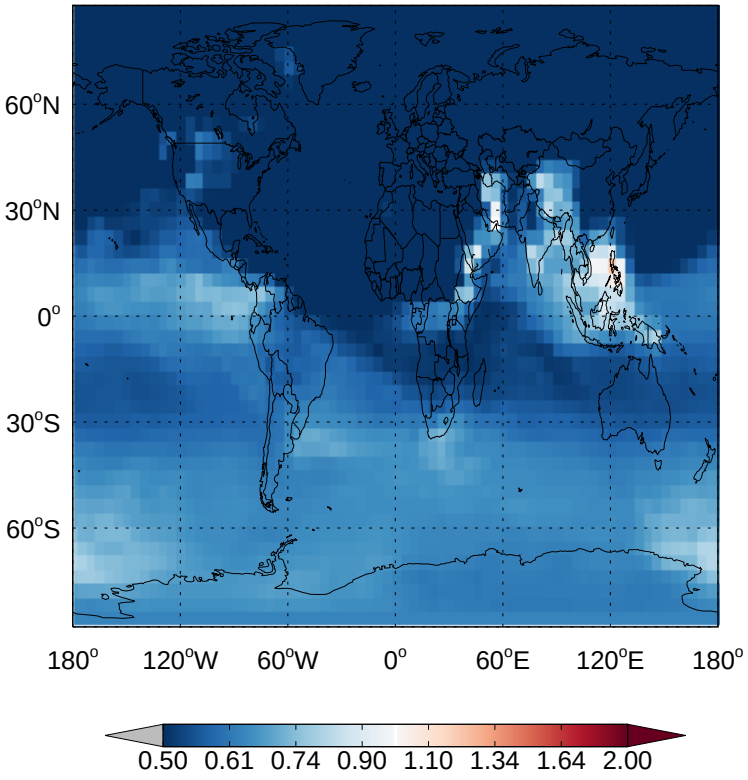
GC_12.0.0 / v11-02e-Run1

DHDN / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

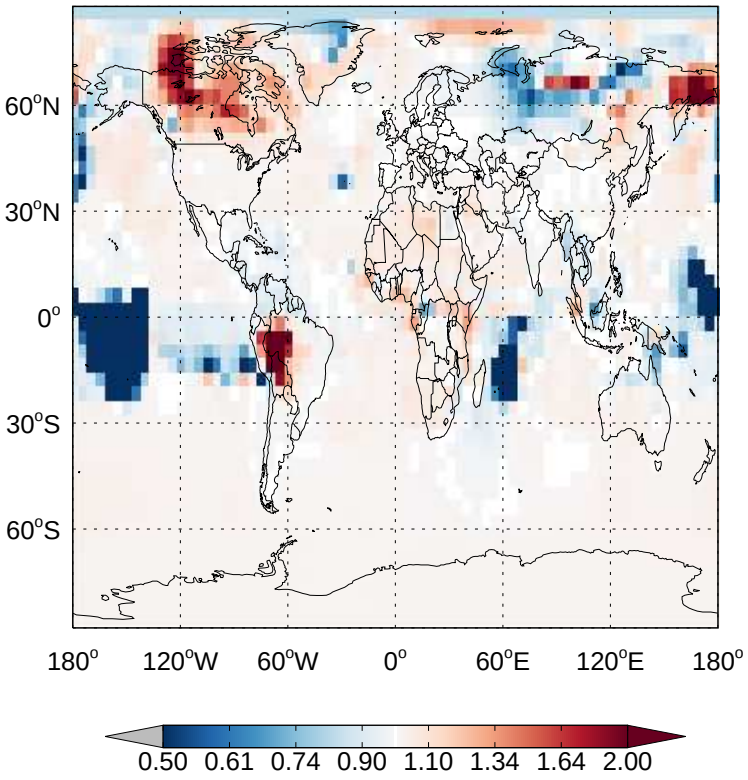
DHDN/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

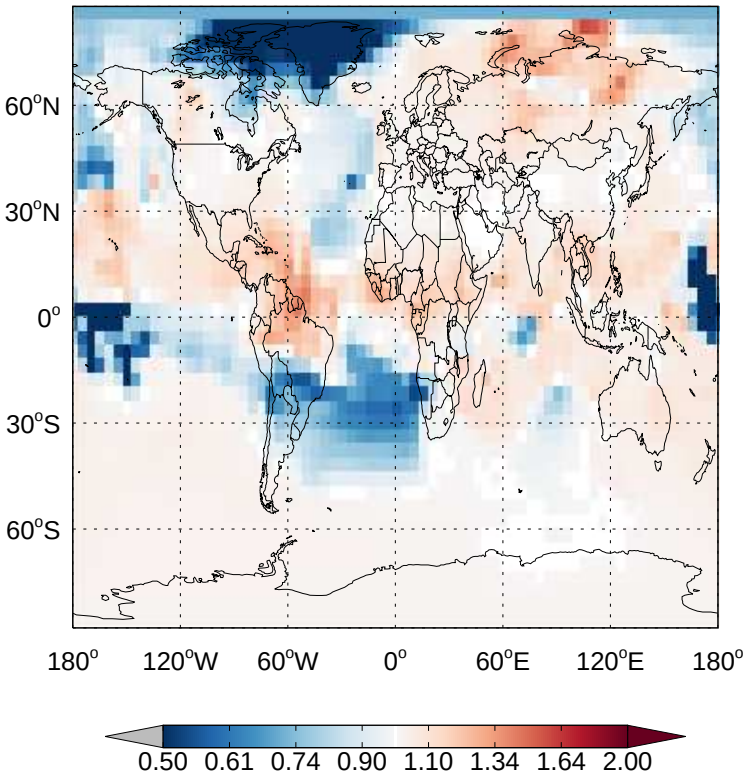
GC_12.0.0 / v11-02f-Run1

ETHLN / Ratio @ Surface for Jul



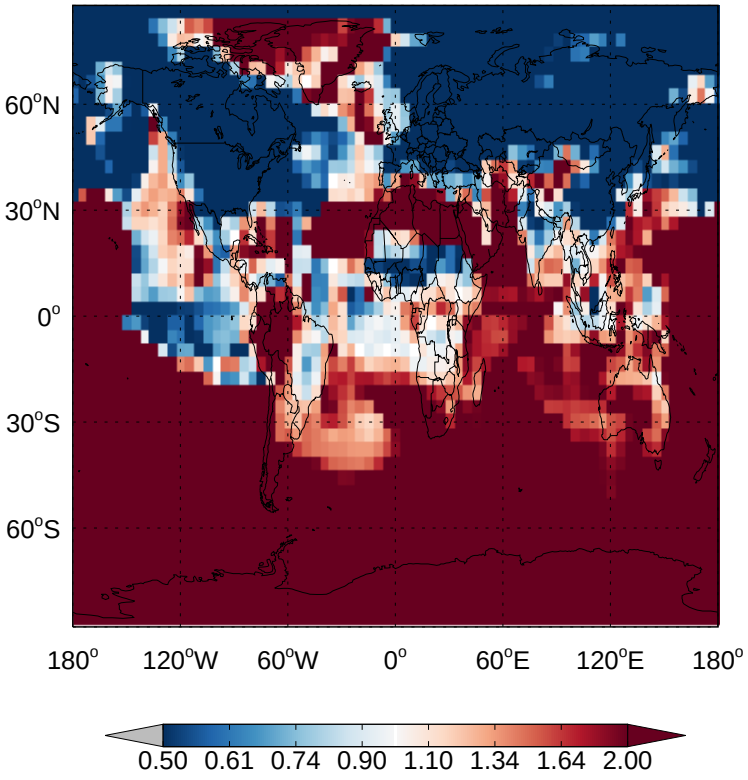
GC_12.0.0 / v11-02f-Run1

ETHLN/ Ratio @ 500 hPa for Jul



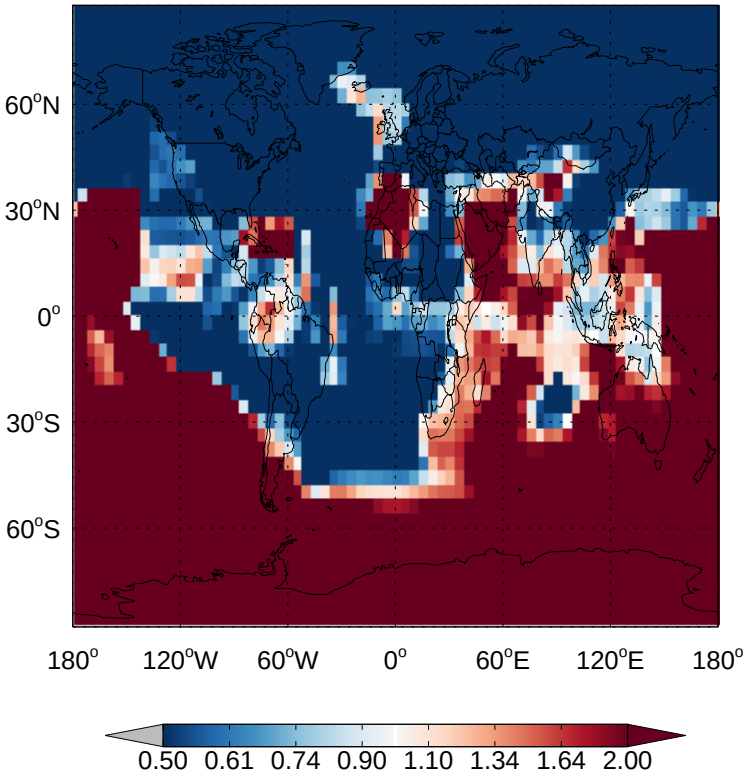
GC_12.0.0 / v11-02e-Run1

ETHLN / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

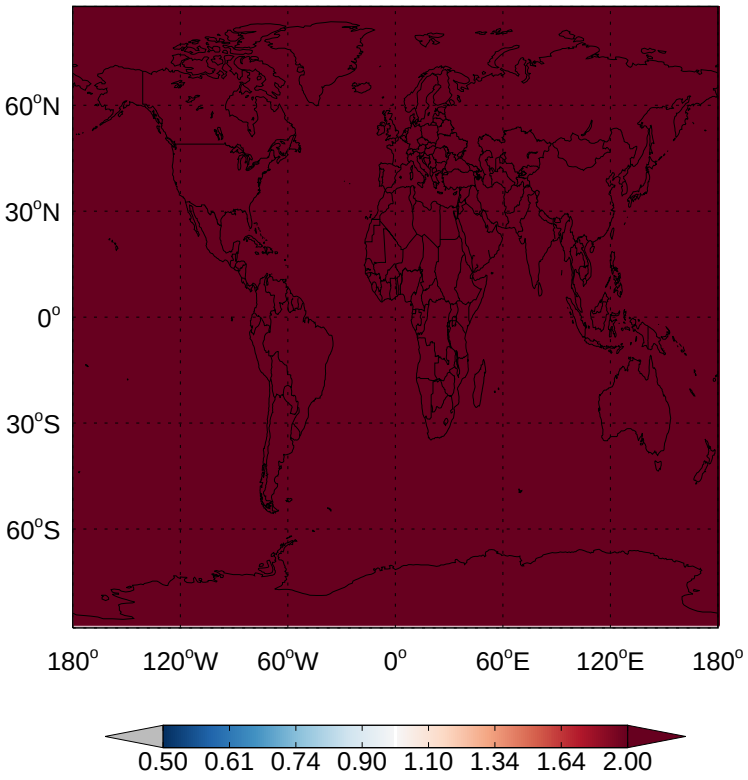
ETHLN/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

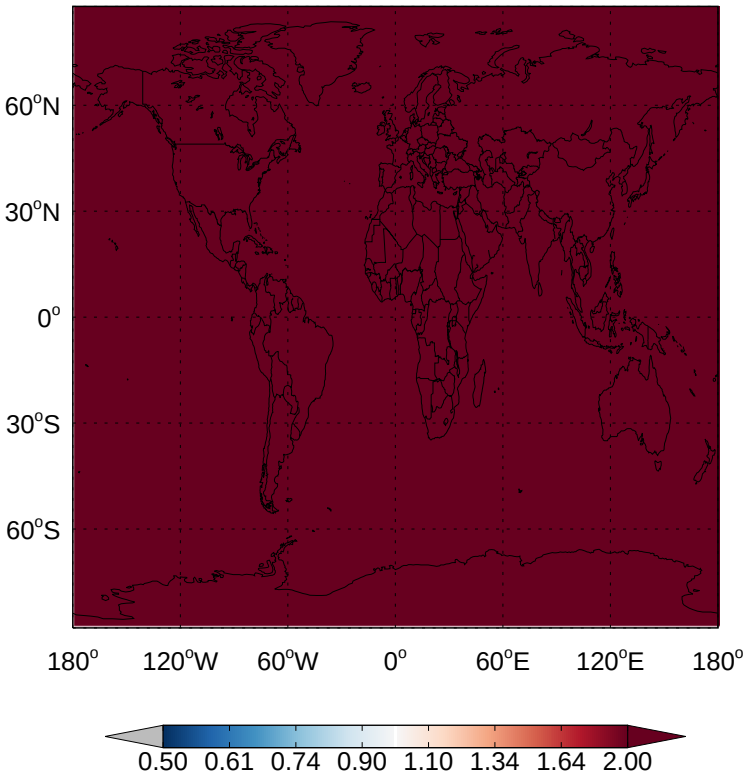
GC_12.0.0 / v11-02f-Run1

HCOOH / Ratio @ Surface for Jul



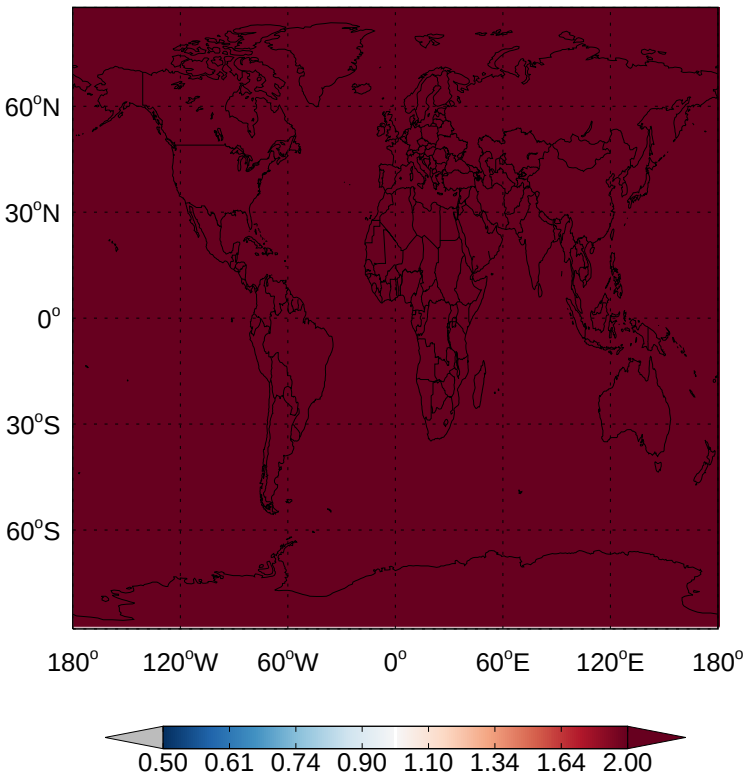
GC_12.0.0 / v11-02f-Run1

HCOOH/ Ratio @ 500 hPa for Jul



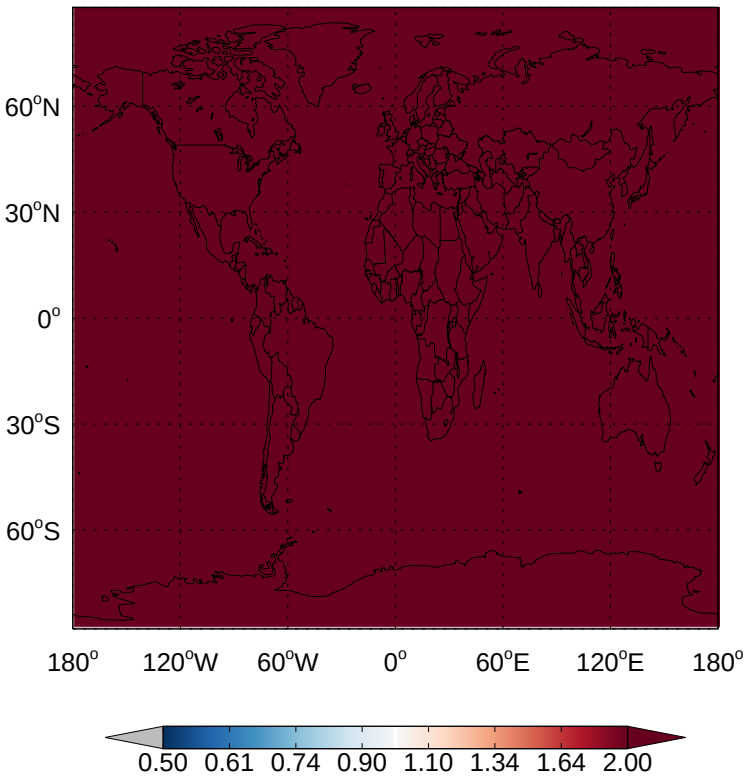
GC_12.0.0 / v11-02e-Run1

HCOOH / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

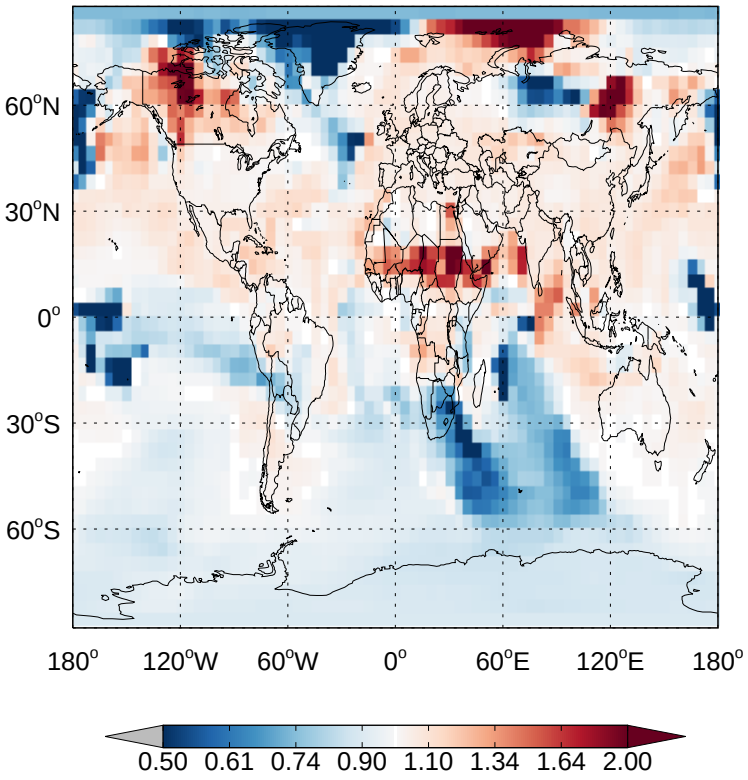
HCOOH/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

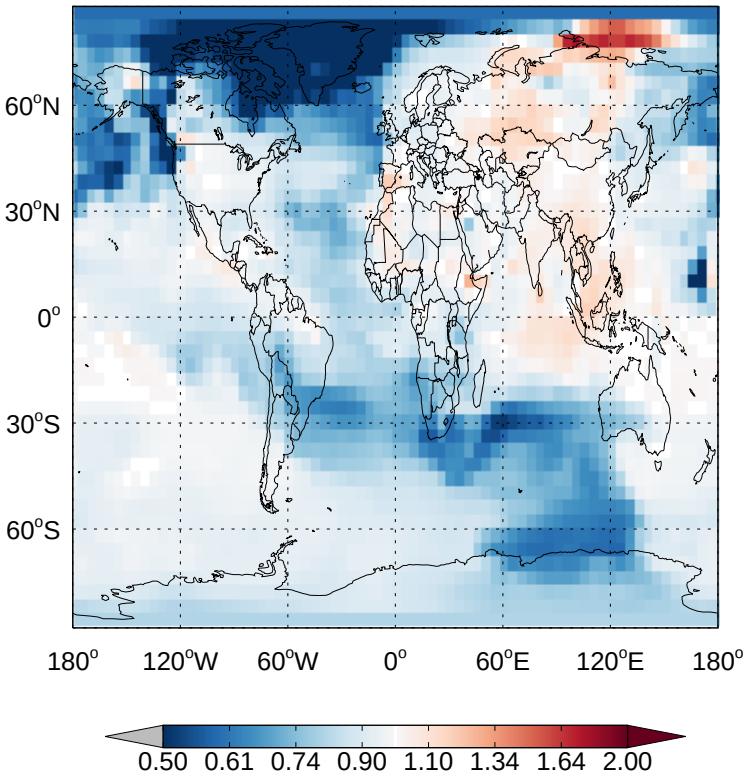
GC_12.0.0 / v11-02f-Run1

IEPOXA / Ratio @ Surface for Jul



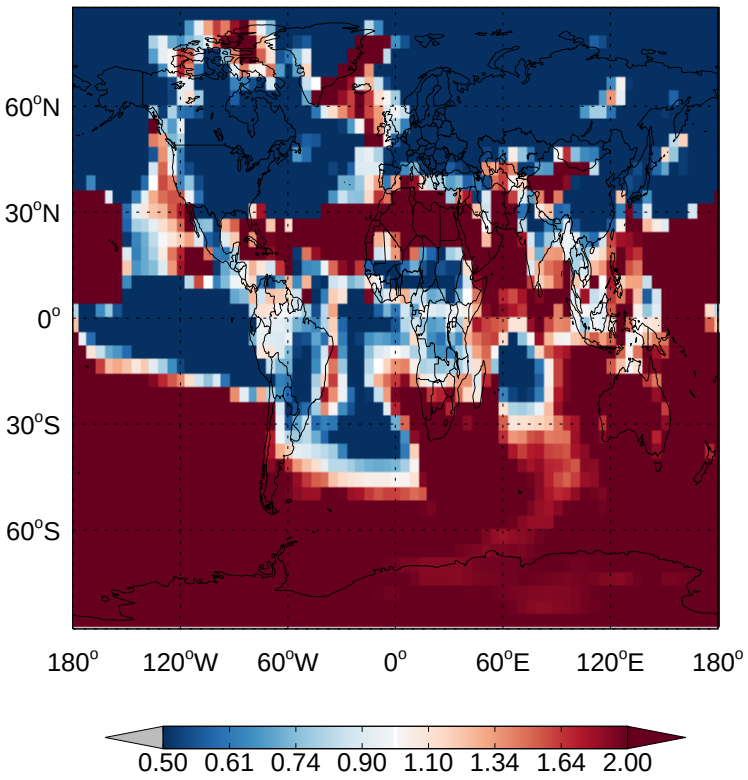
GC_12.0.0 / v11-02f-Run1

IEPOXA/ Ratio @ 500 hPa for Jul



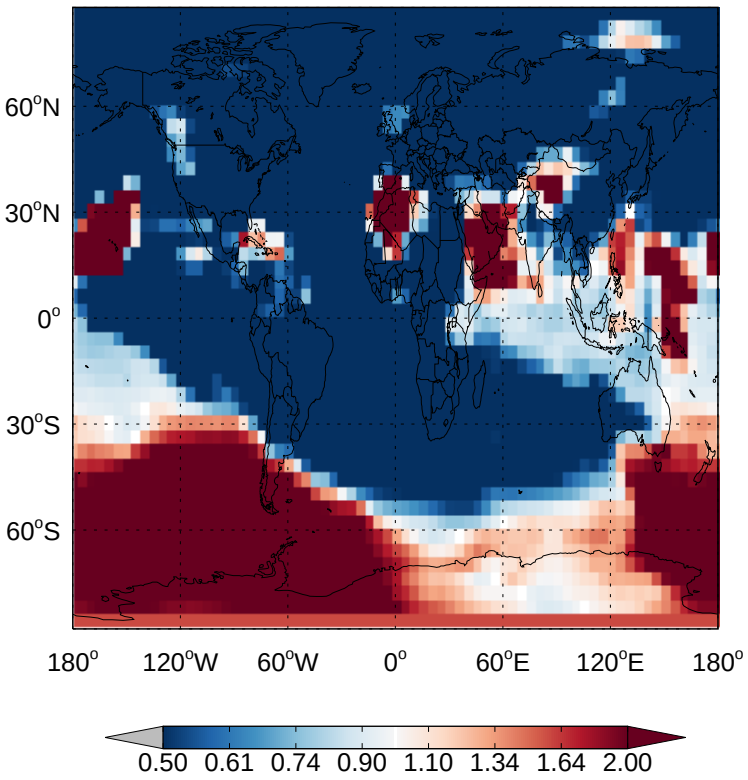
GC_12.0.0 / v11-02e-Run1

IEPOXA / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

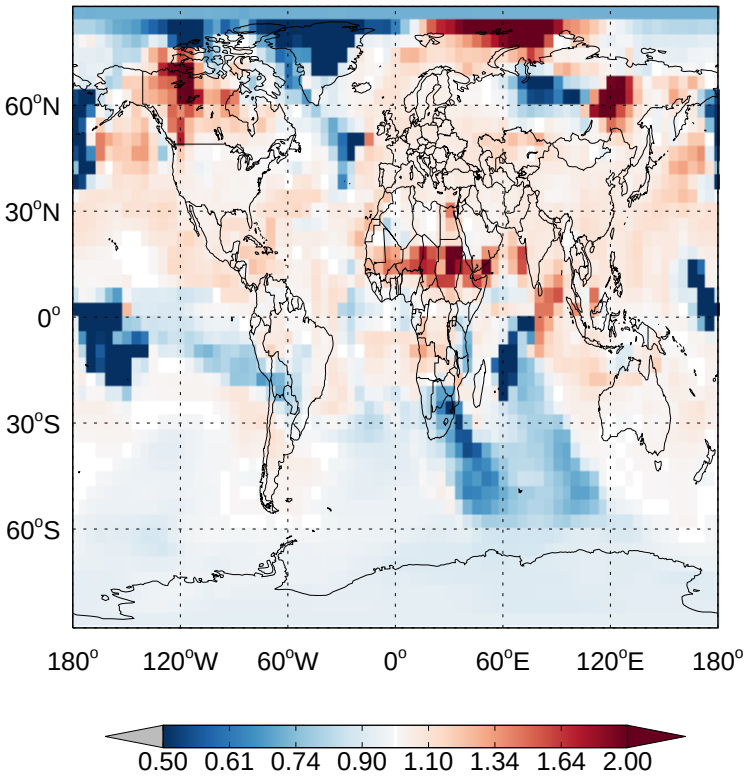
IEPOXA/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

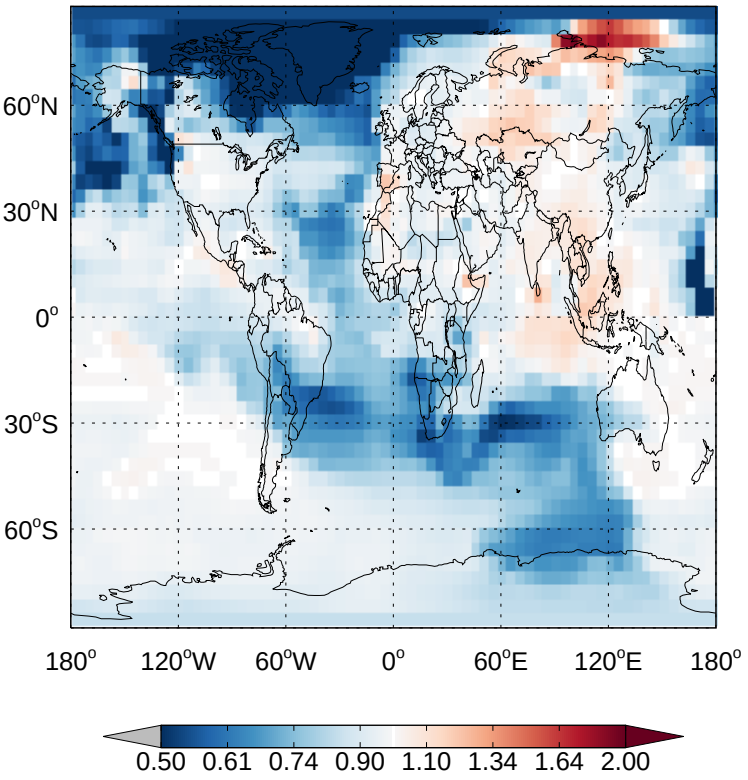
GC_12.0.0 / v11-02f-Run1

IEPOXB / Ratio @ Surface for Jul



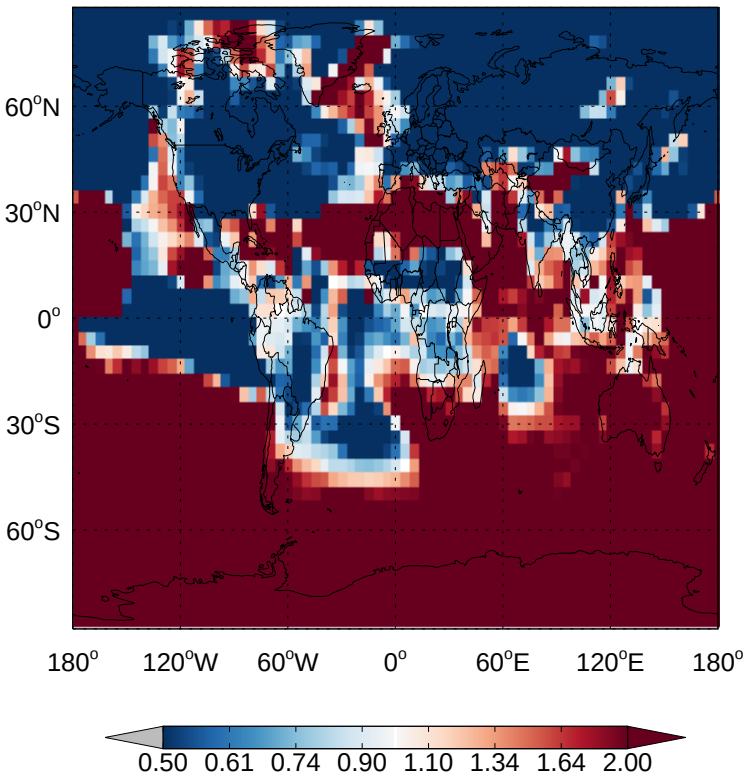
GC_12.0.0 / v11-02f-Run1

IEPOXB/ Ratio @ 500 hPa for Jul



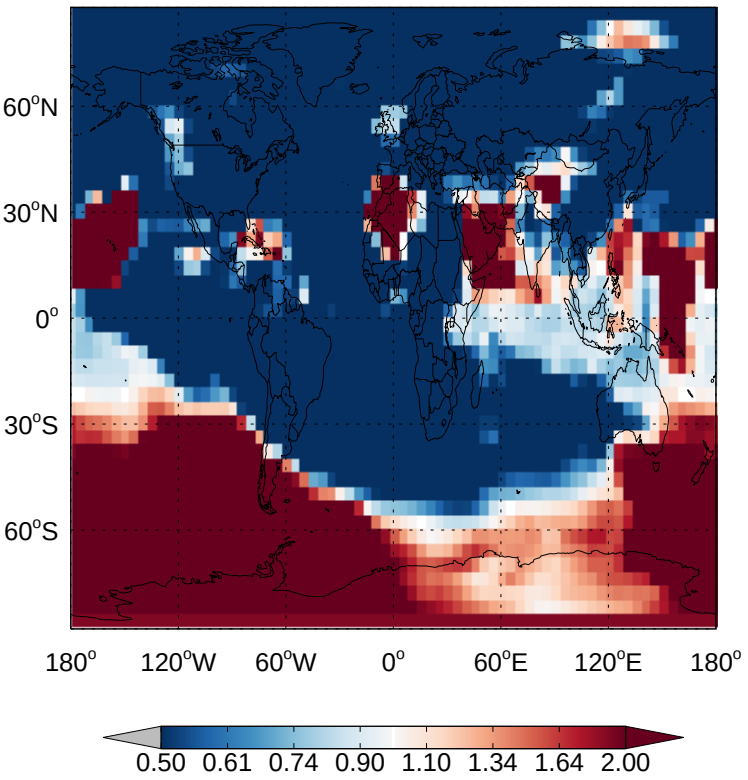
GC_12.0.0 / v11-02e-Run1

IEPOXB / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

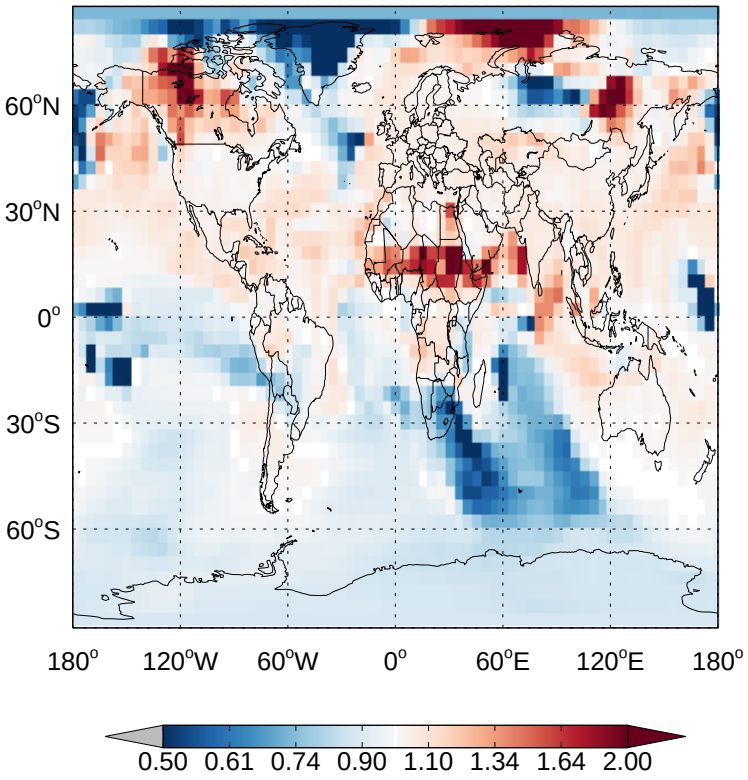
IEPOXB/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

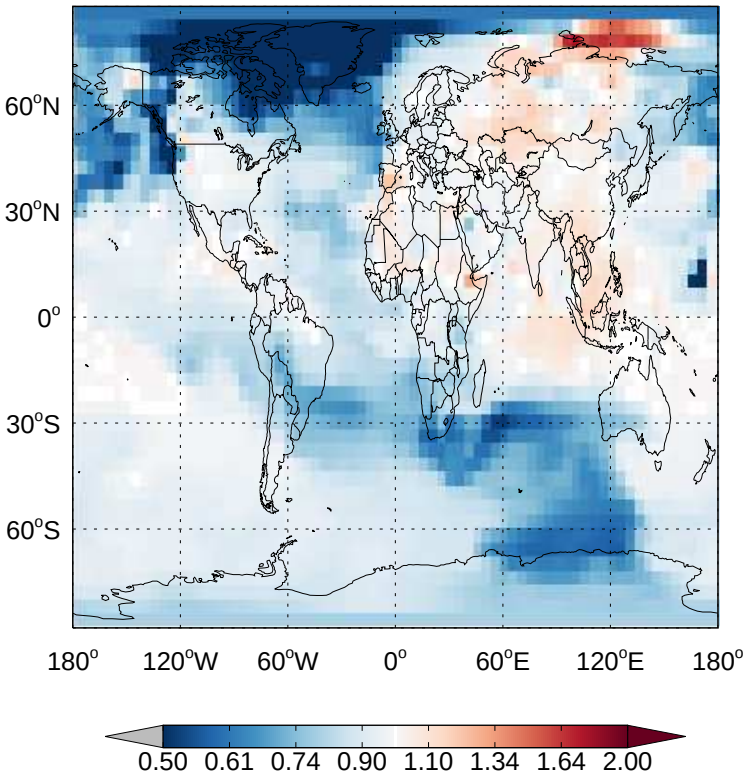
GC_12.0.0 / v11-02f-Run1

IEPOXD / Ratio @ Surface for Jul



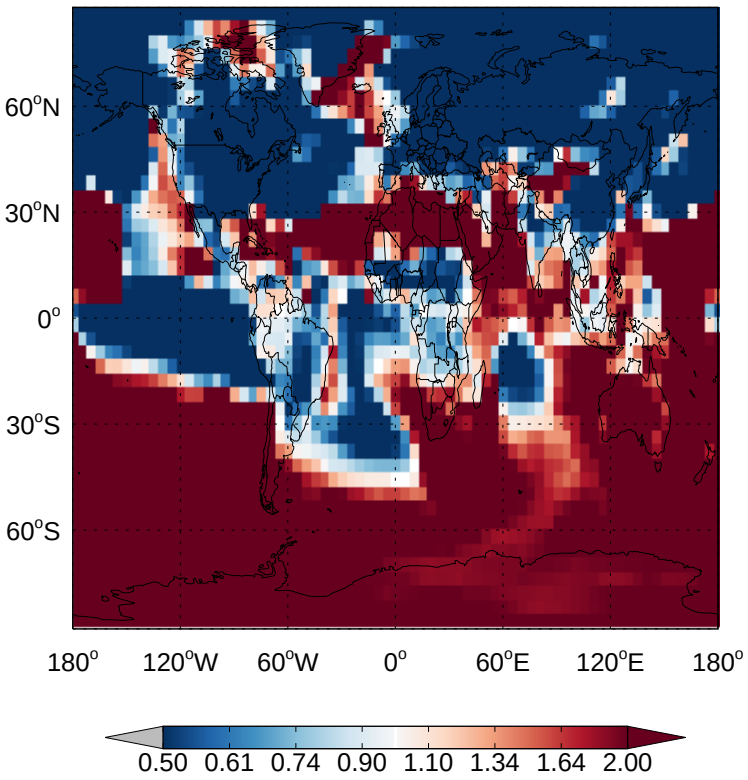
GC_12.0.0 / v11-02f-Run1

IEPOXD/ Ratio @ 500 hPa for Jul



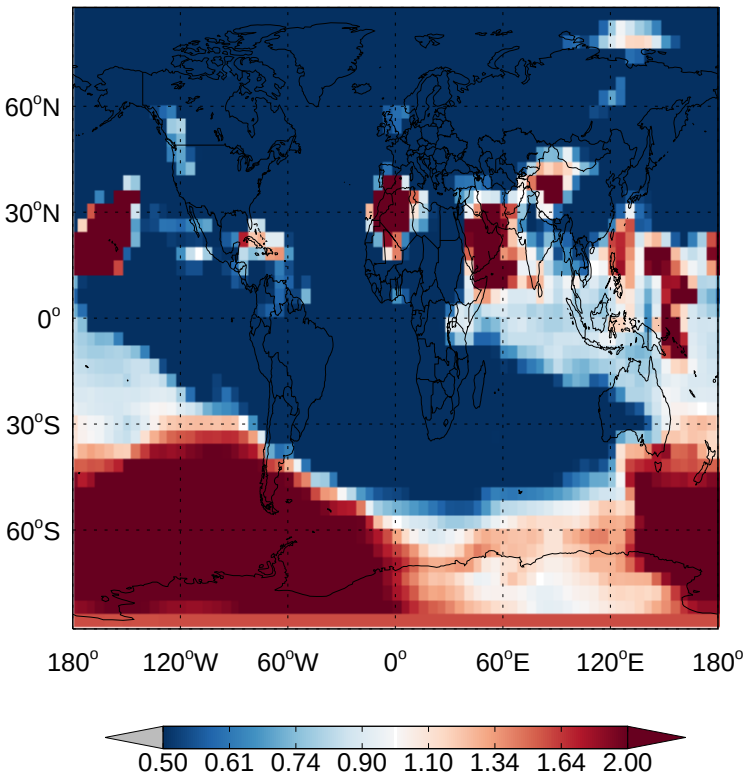
GC_12.0.0 / v11-02e-Run1

IEPOXD / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

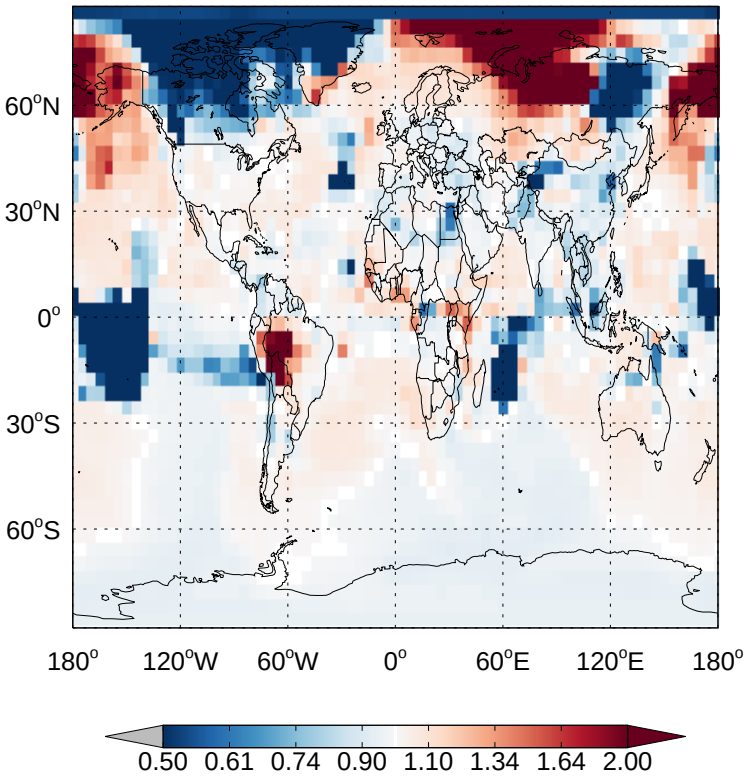
IEPOXD/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

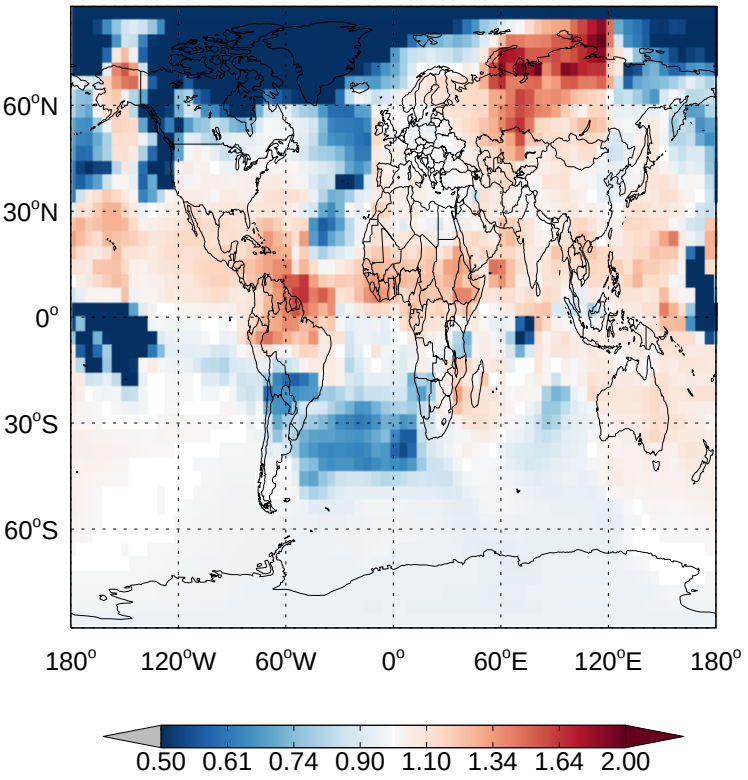
GC_12.0.0 / v11-02f-Run1

ISN1 / Ratio @ Surface for Jul



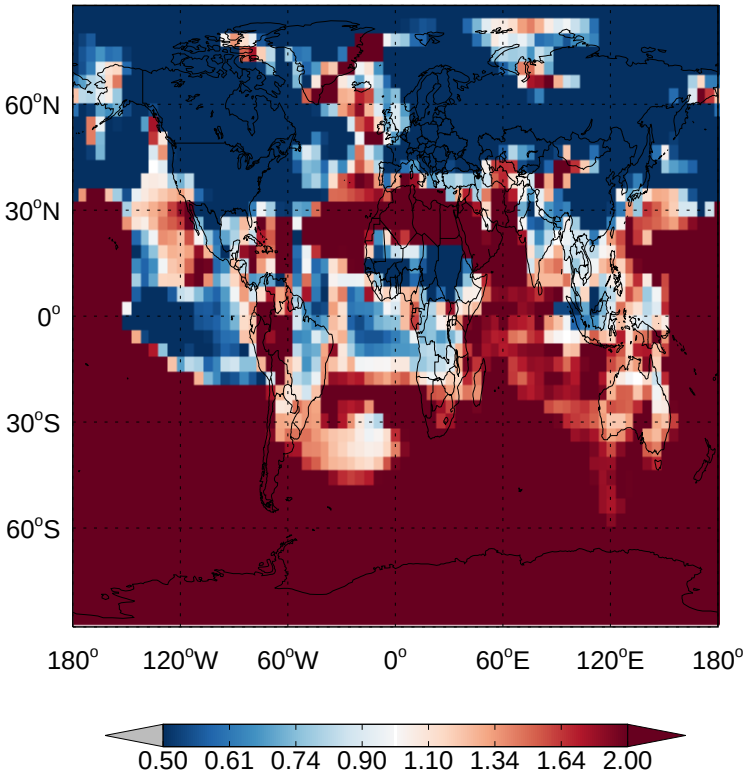
GC_12.0.0 / v11-02f-Run1

ISN1/ Ratio @ 500 hPa for Jul



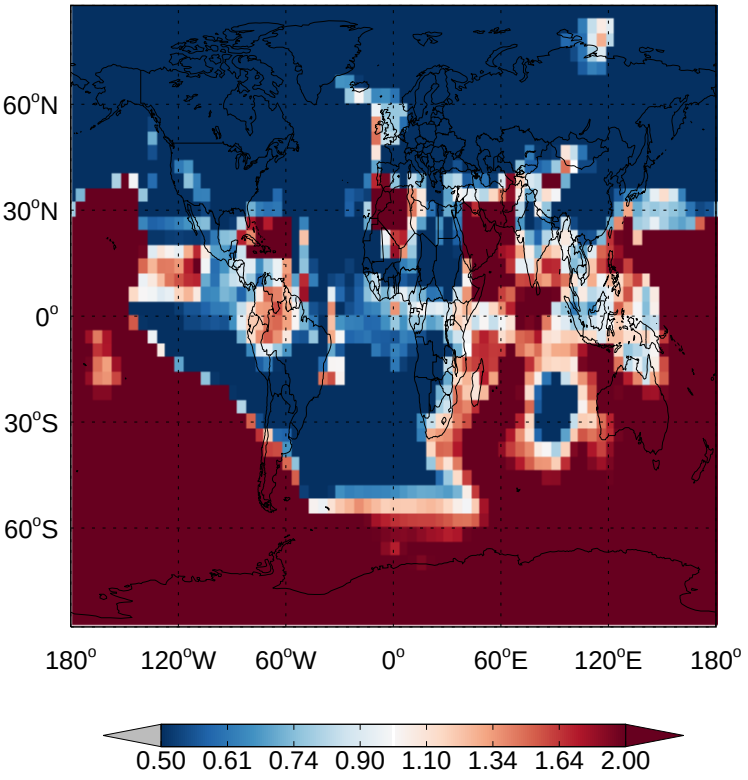
GC_12.0.0 / v11-02e-Run1

ISN1 / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

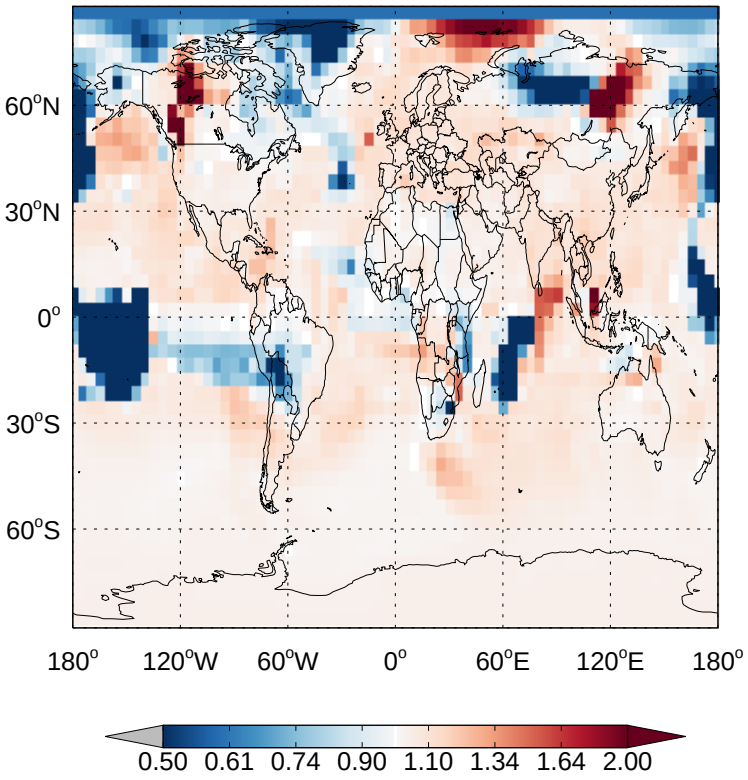
ISN1/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

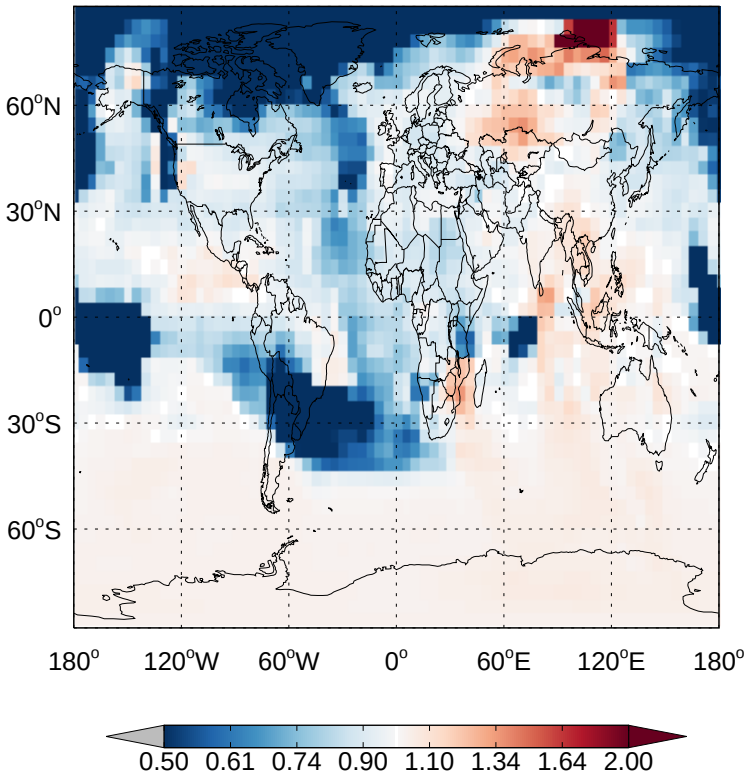
GC_12.0.0 / v11-02f-Run1

RIPA / Ratio @ Surface for Jul



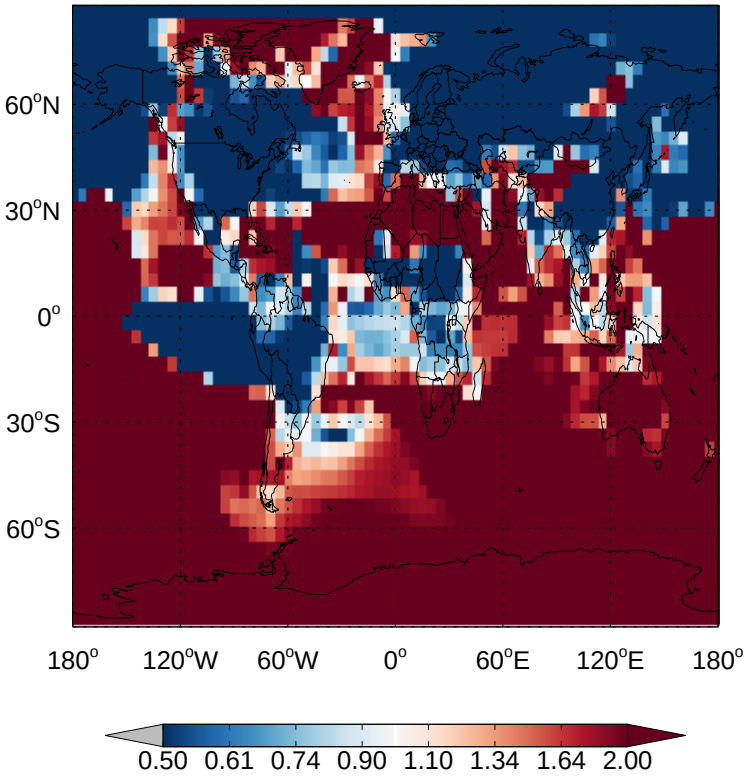
GC_12.0.0 / v11-02f-Run1

RIPA/ Ratio @ 500 hPa for Jul



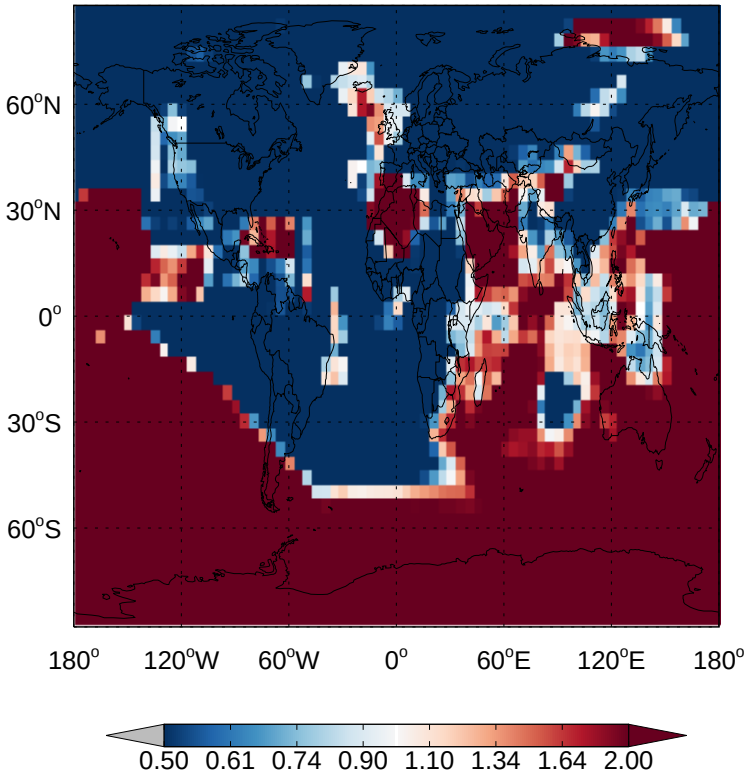
GC_12.0.0 / v11-02e-Run1

RIPA / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

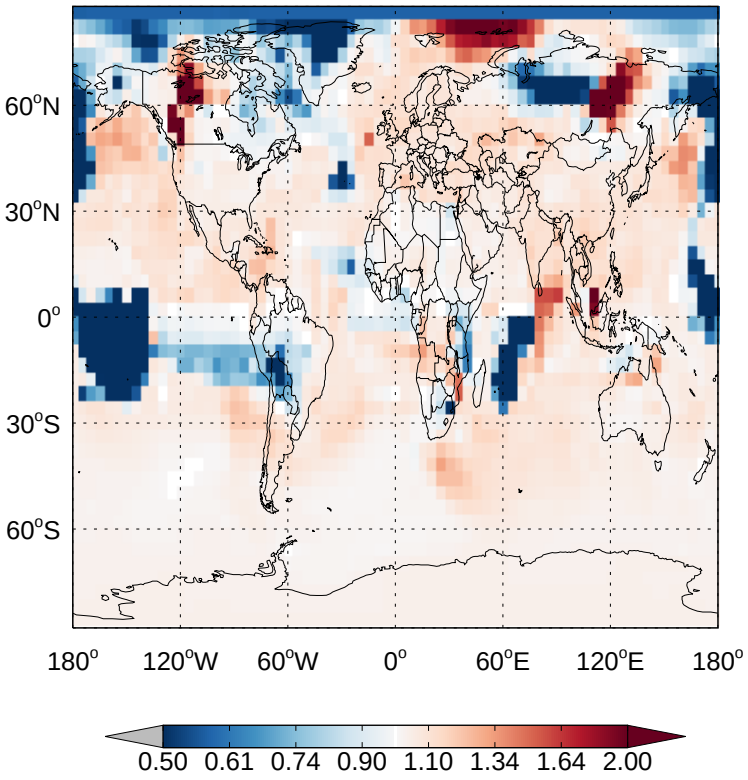
RIPA/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

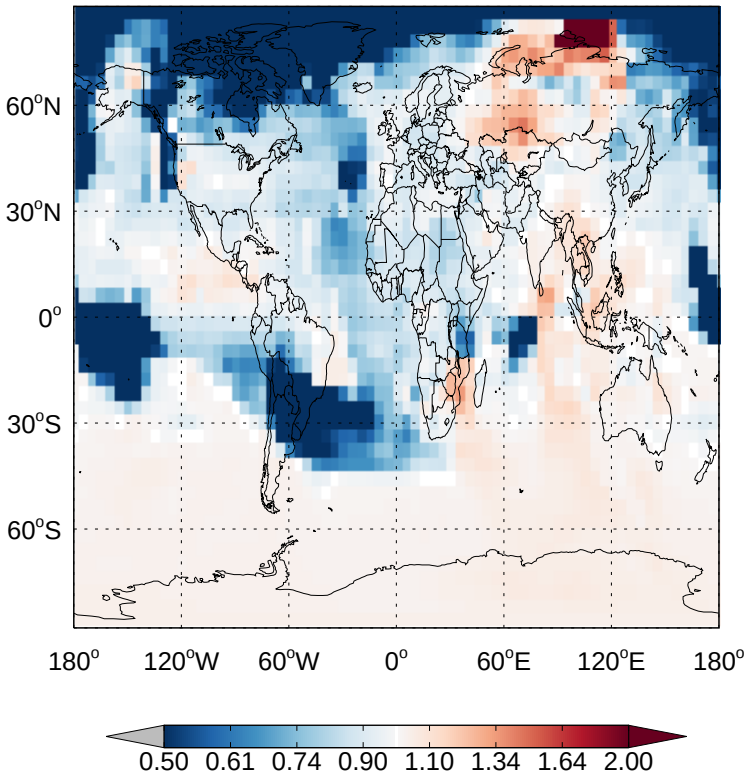
GC_12.0.0 / v11-02f-Run1

RIPB / Ratio @ Surface for Jul



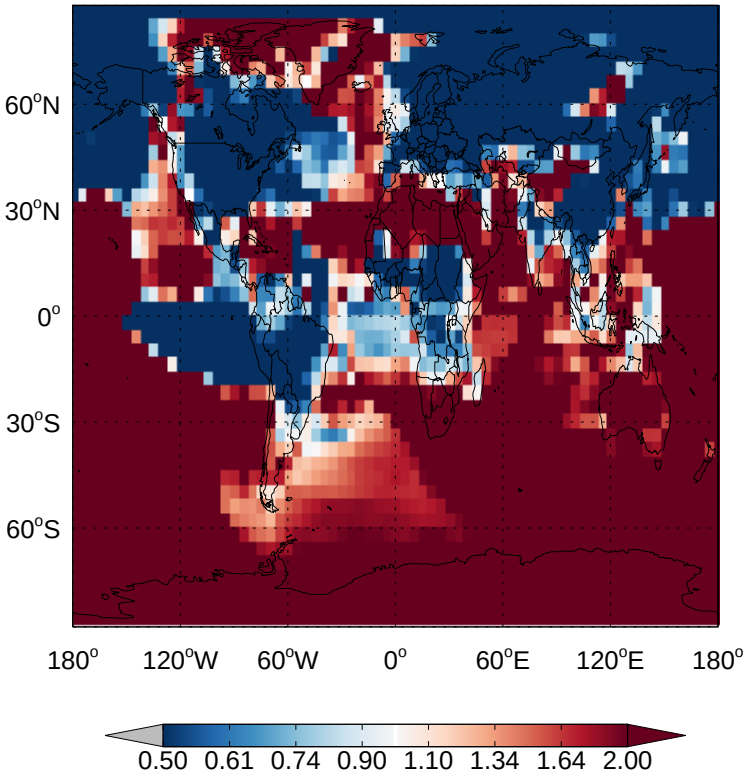
GC_12.0.0 / v11-02f-Run1

RIPB/ Ratio @ 500 hPa for Jul



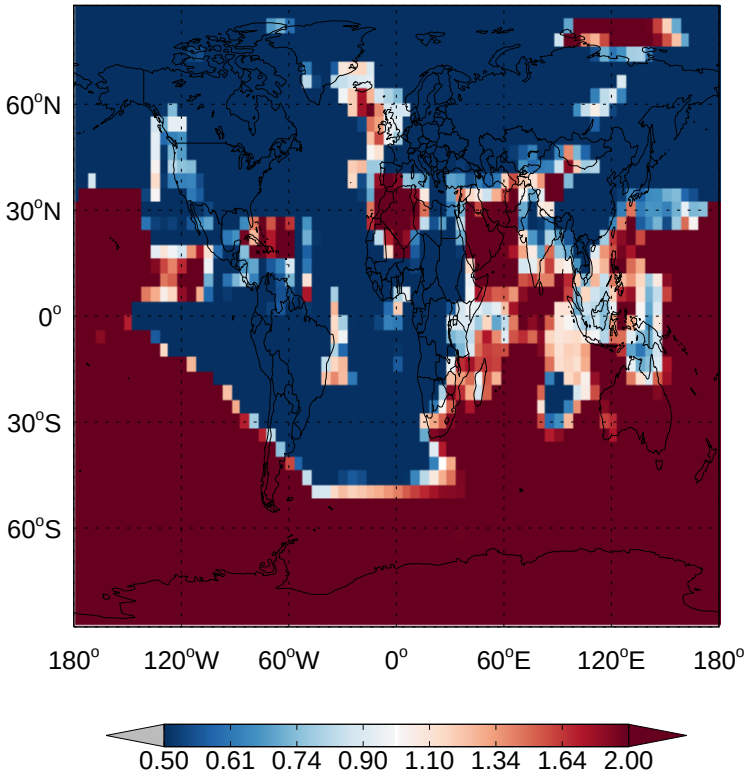
GC_12.0.0 / v11-02e-Run1

RIPB / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

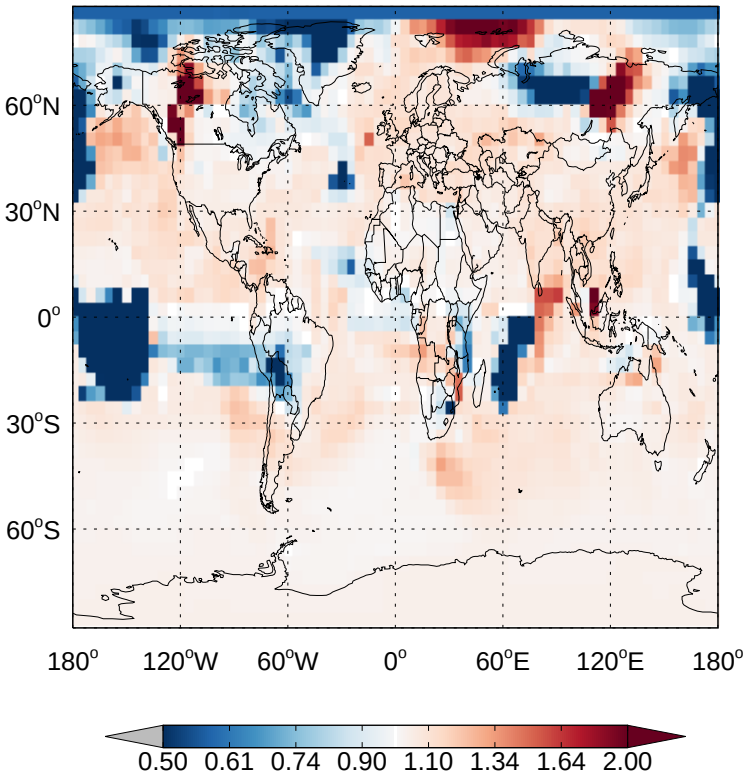
RIPB/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

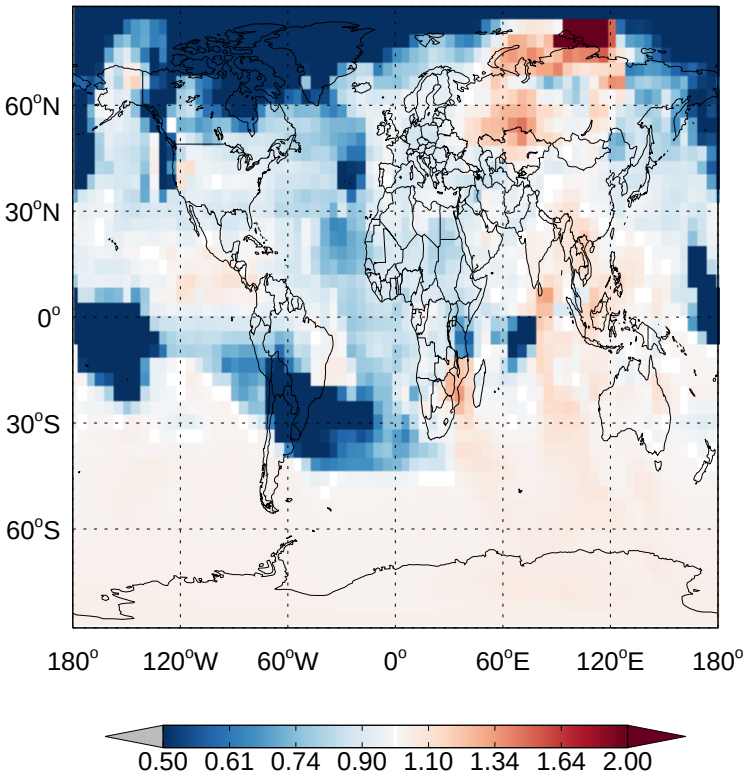
GC_12.0.0 / v11-02f-Run1

RIPD / Ratio @ Surface for Jul



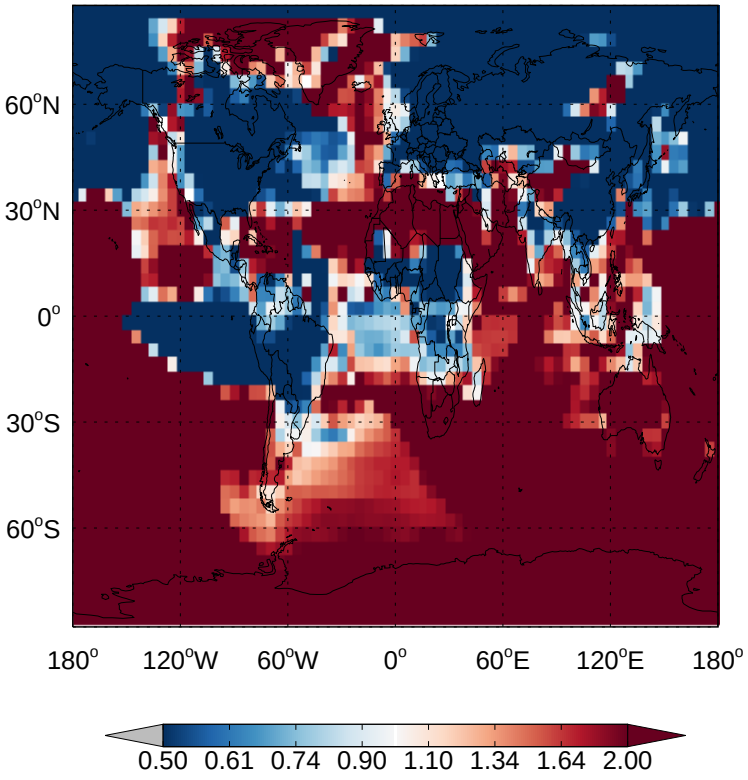
GC_12.0.0 / v11-02f-Run1

RIPD/ Ratio @ 500 hPa for Jul



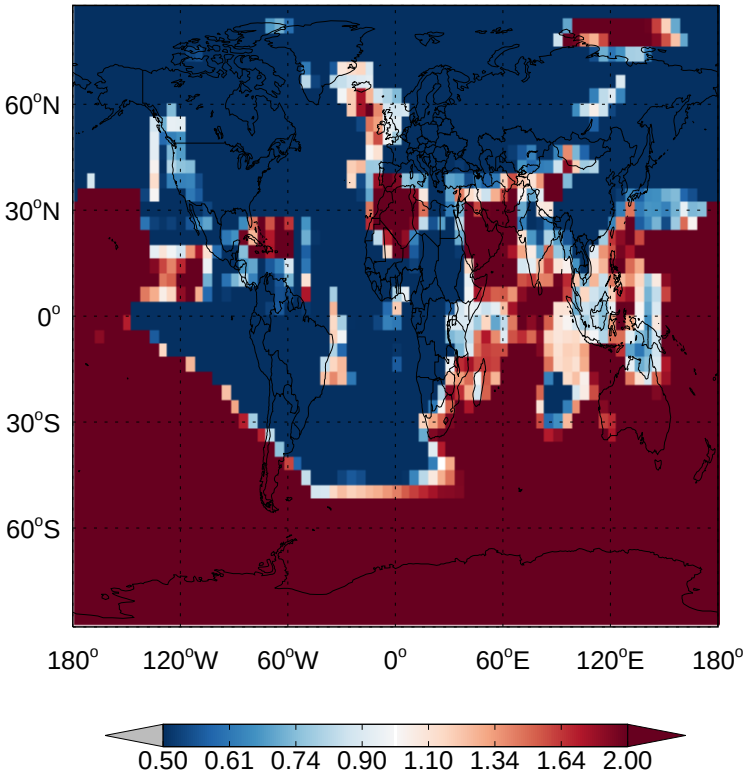
GC_12.0.0 / v11-02e-Run1

RIPD / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

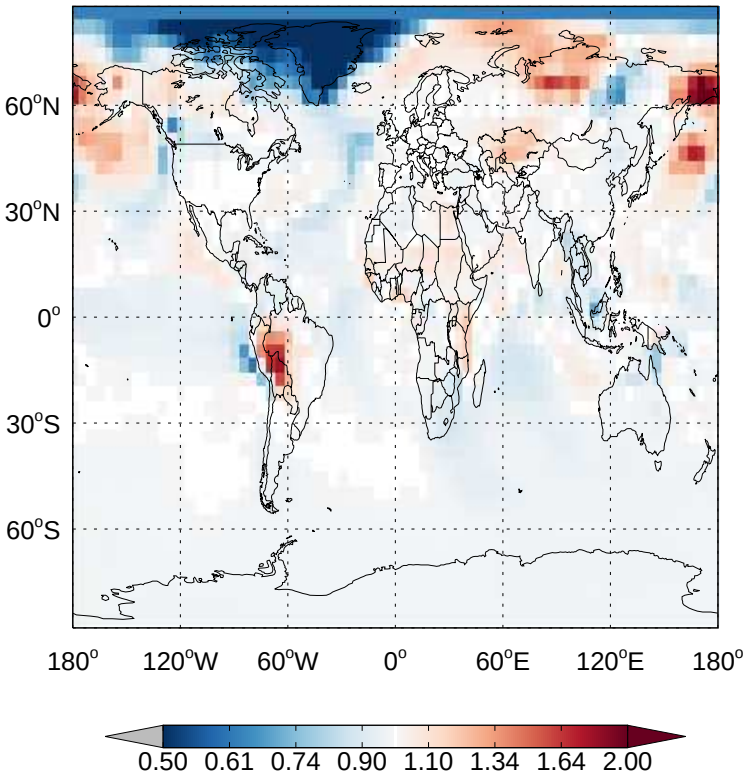
RIPD/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

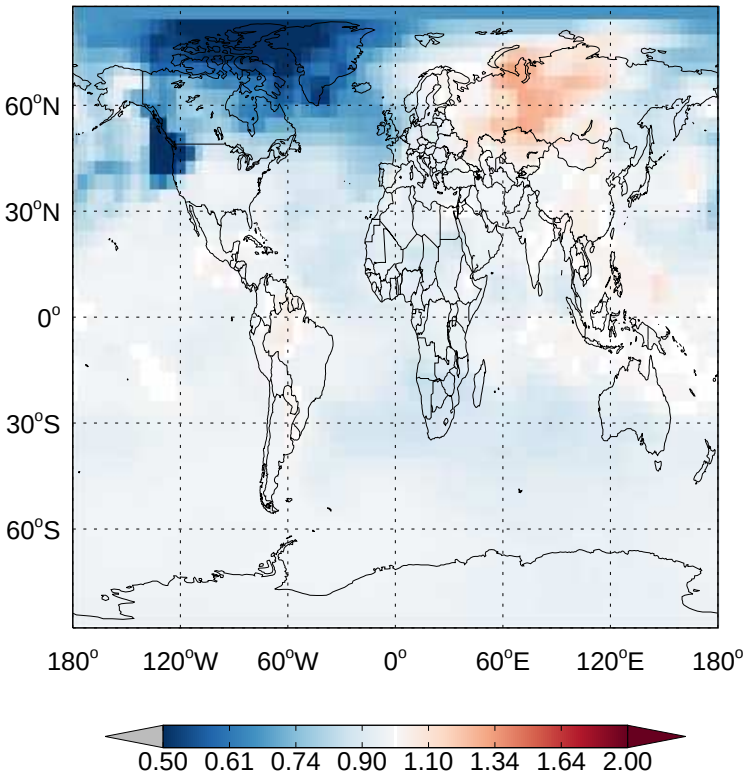
GC_12.0.0 / v11-02f-Run1

IMAE / Ratio @ Surface for Jul



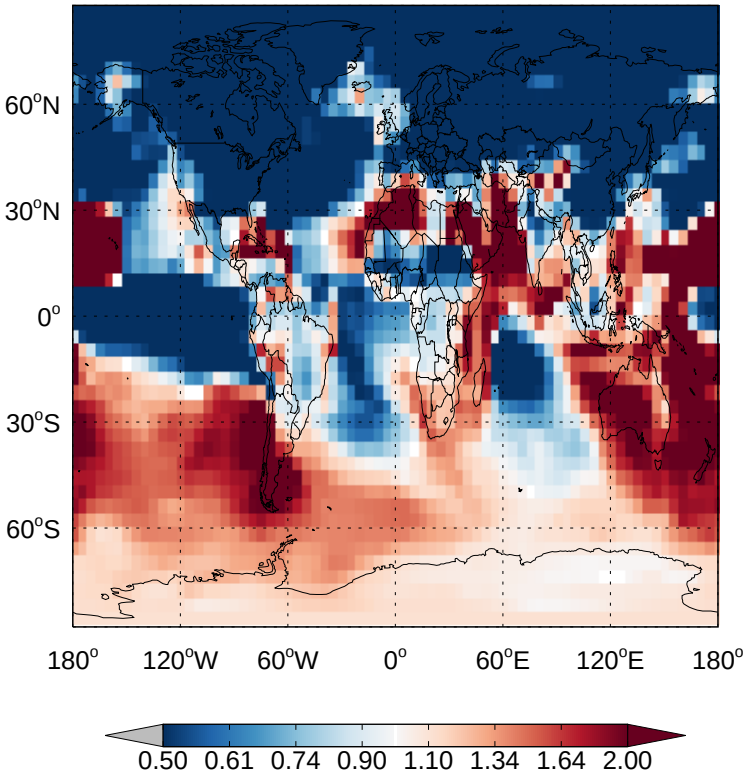
GC_12.0.0 / v11-02f-Run1

IMAE/ Ratio @ 500 hPa for Jul



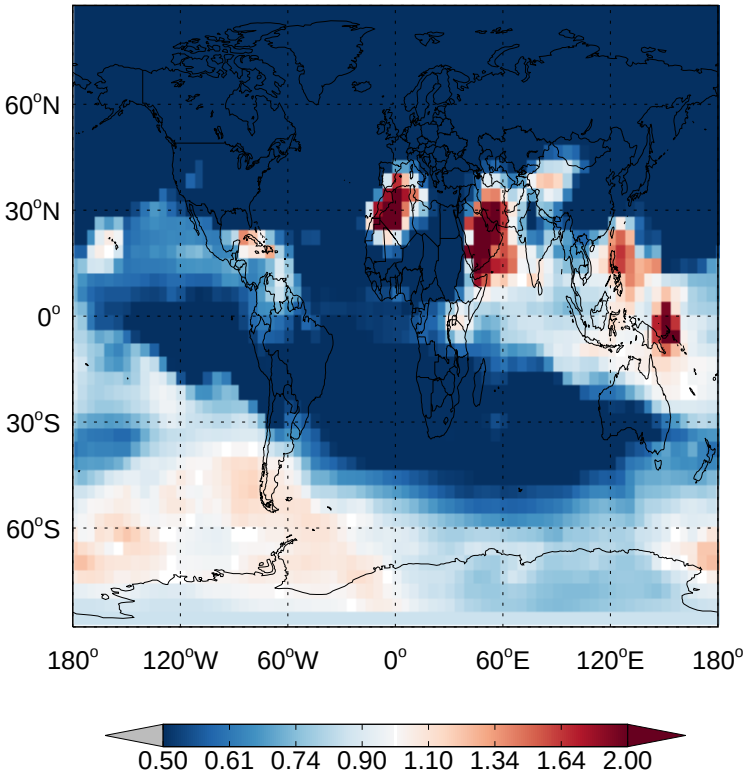
GC_12.0.0 / v11-02e-Run1

IMAE / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

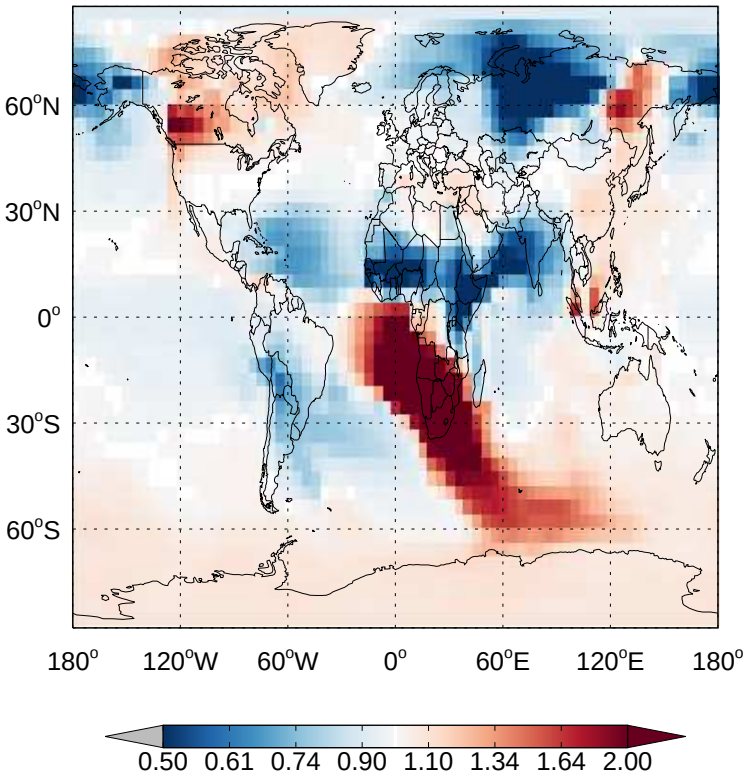
IMAE/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

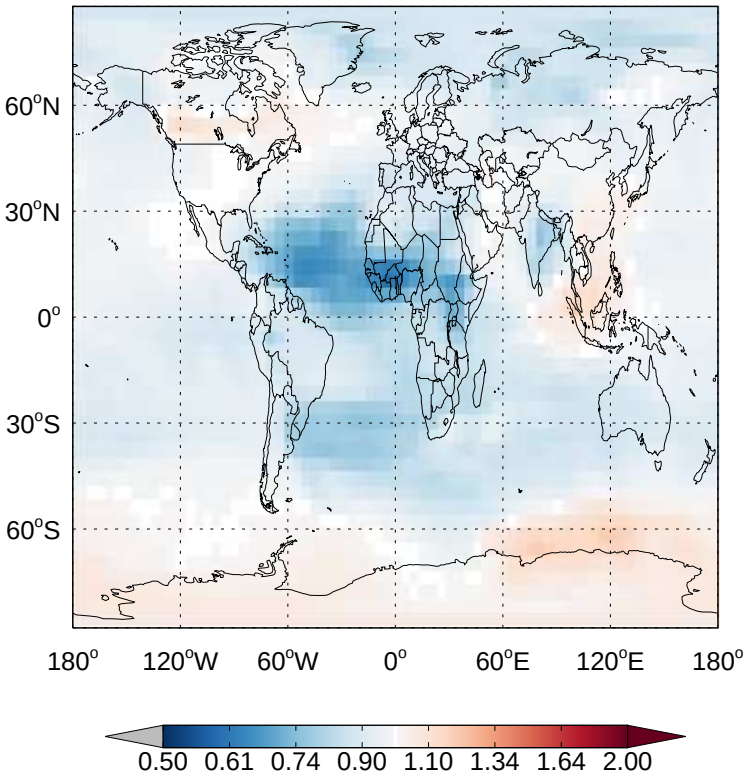
GC_12.0.0 / v11-02f-Run1

SOAIE / Ratio @ Surface for Jul



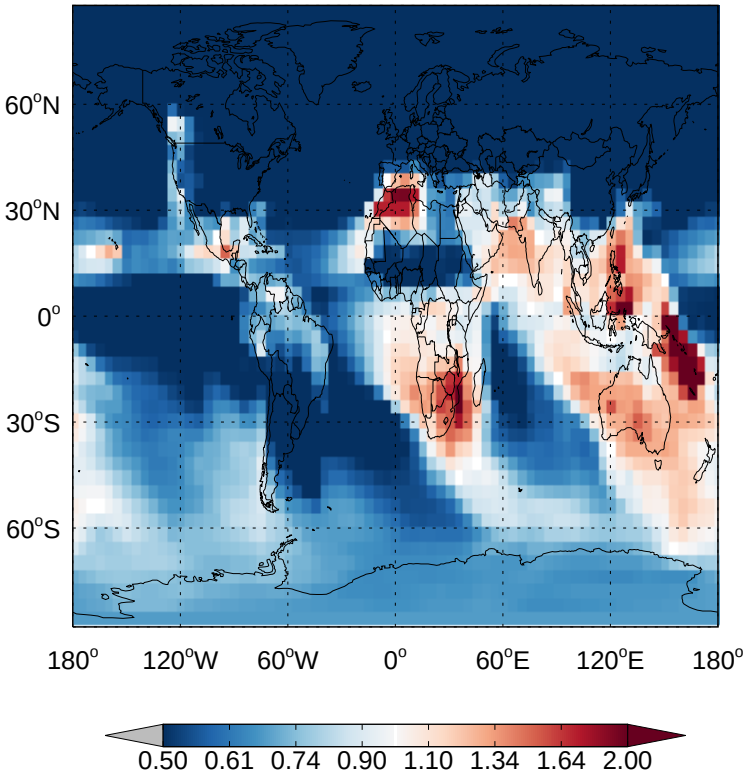
GC_12.0.0 / v11-02f-Run1

SOAIE/ Ratio @ 500 hPa for Jul



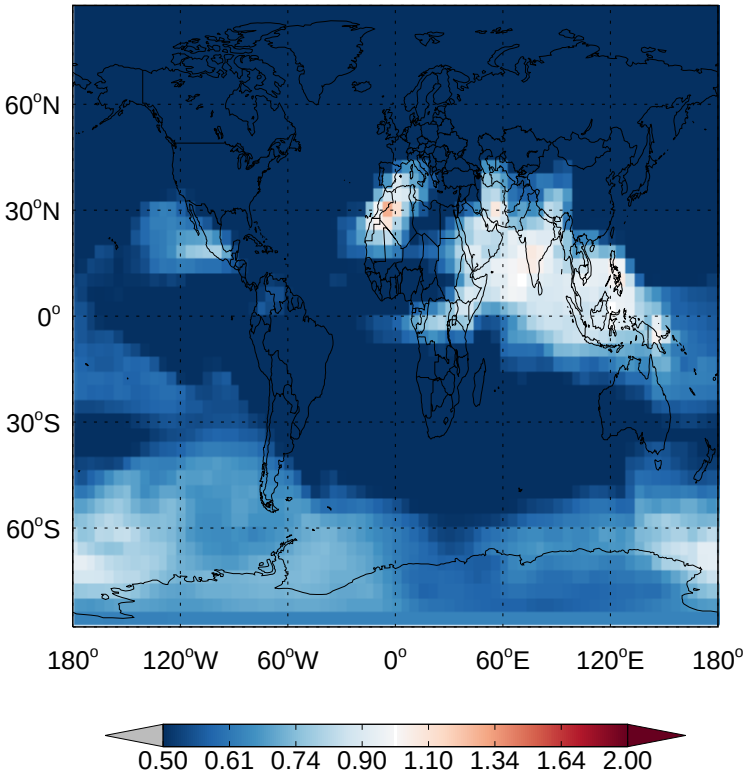
GC_12.0.0 / v11-02e-Run1

SOAIE / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

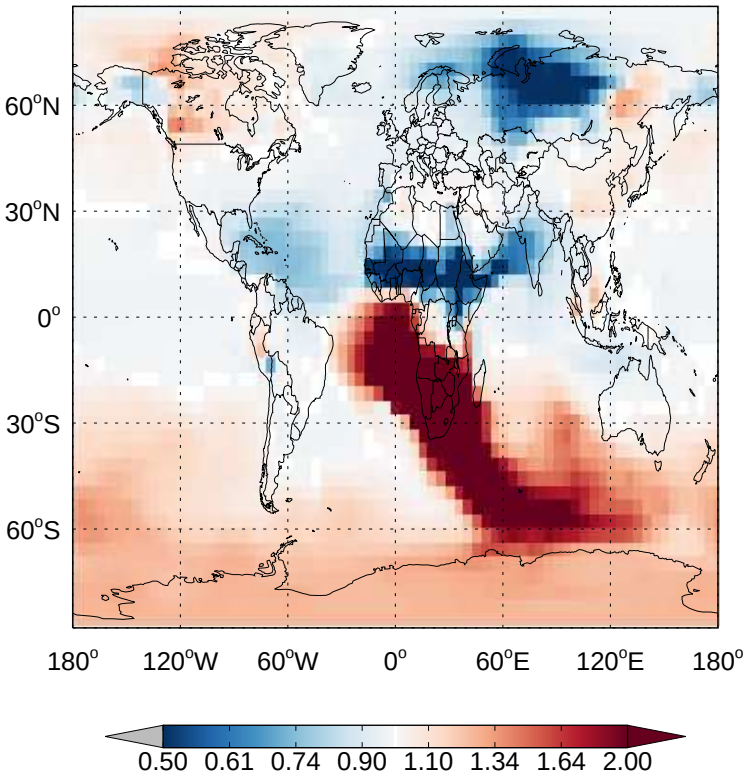
SOAIE/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

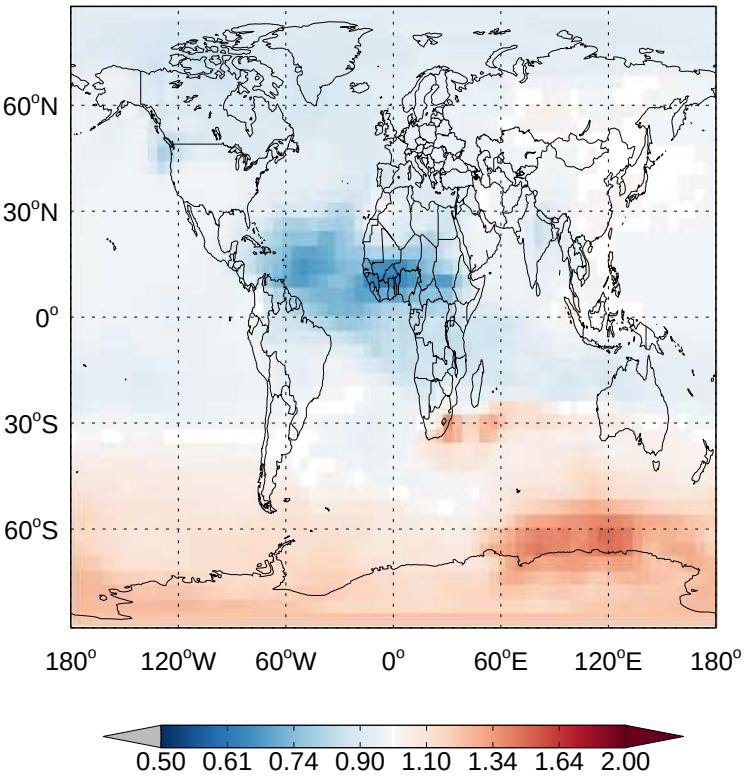
GC_12.0.0 / v11-02f-Run1

SOAME / Ratio @ Surface for Jul



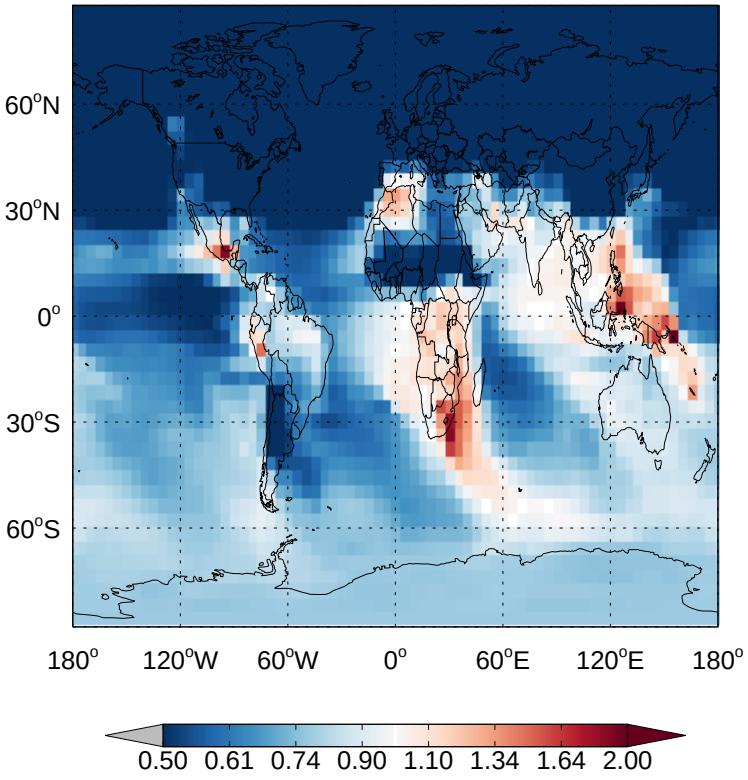
GC_12.0.0 / v11-02f-Run1

SOAME/ Ratio @ 500 hPa for Jul



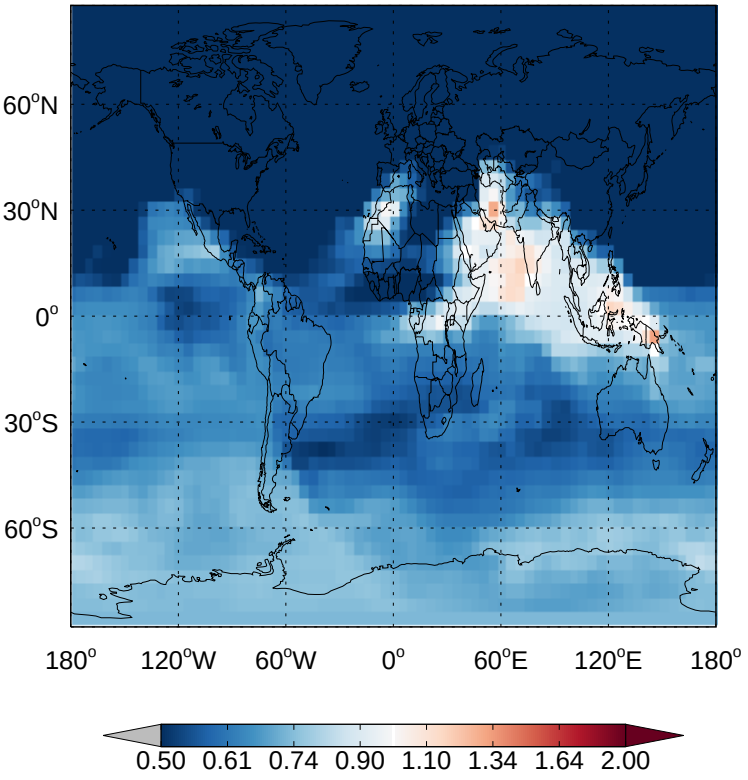
GC_12.0.0 / v11-02e-Run1

SOAME / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

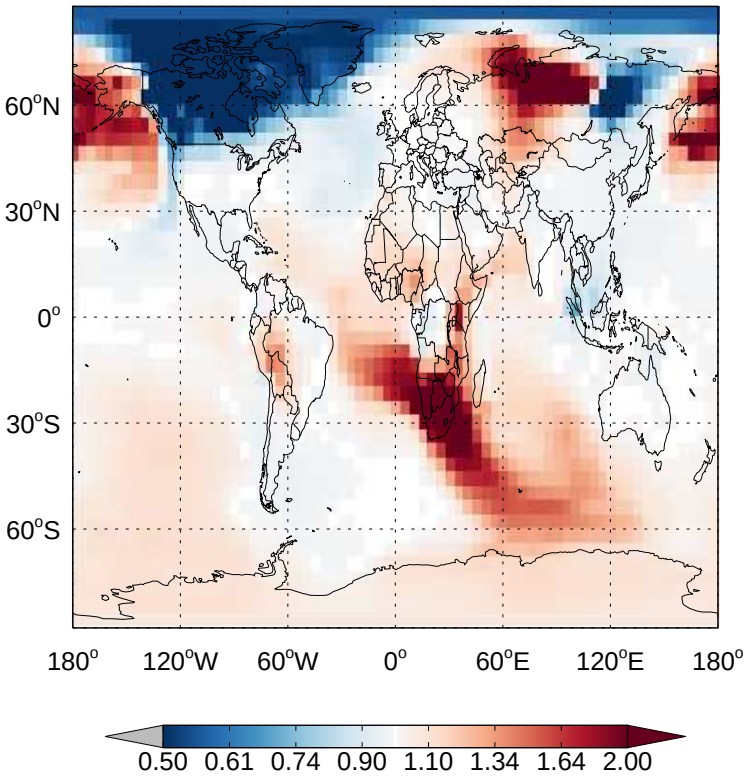
SOAME/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

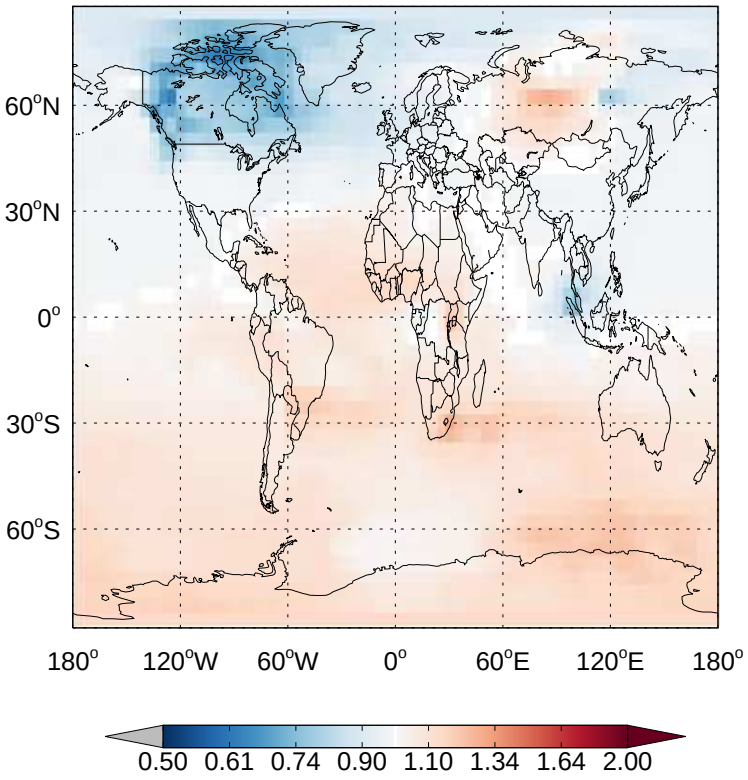
GC_12.0.0 / v11-02f-Run1

SOAGX / Ratio @ Surface for Jul



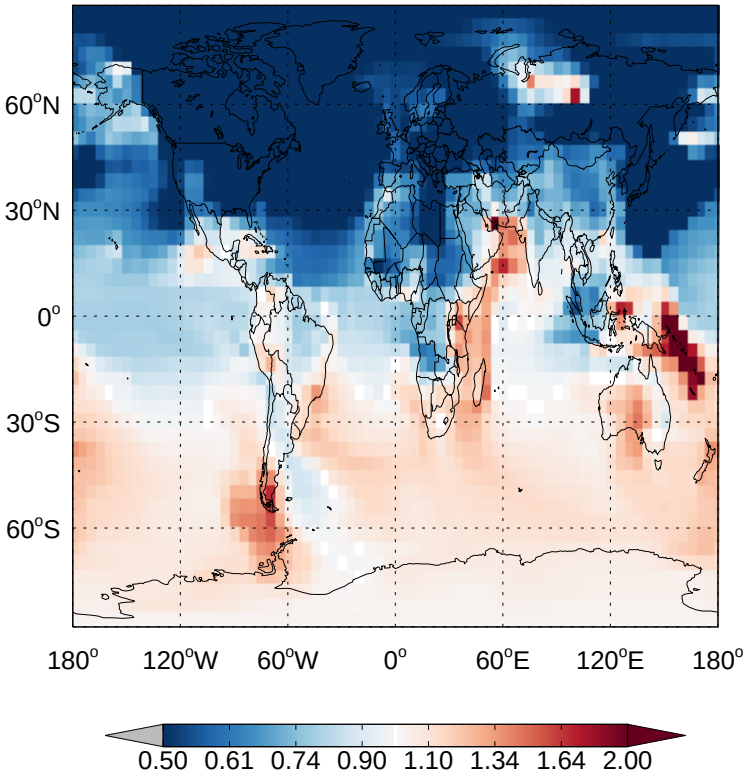
GC_12.0.0 / v11-02f-Run1

SOAGX/ Ratio @ 500 hPa for Jul



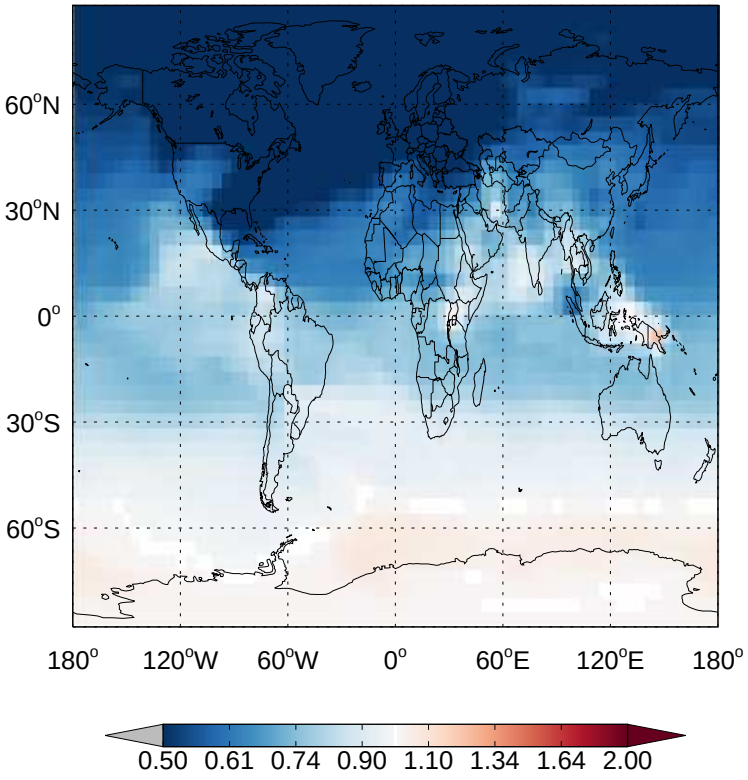
GC_12.0.0 / v11-02e-Run1

SOAGX / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

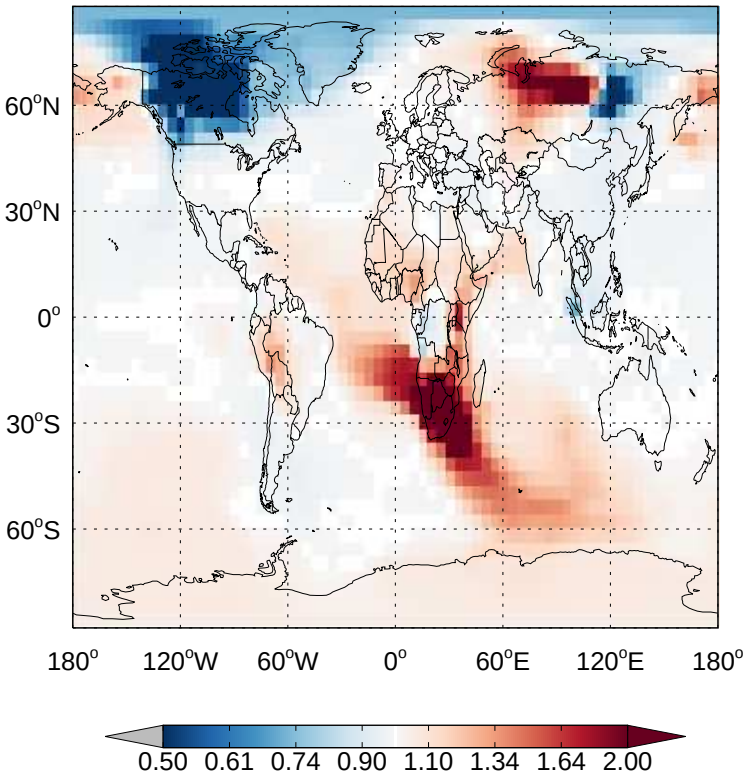
SOAGX/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

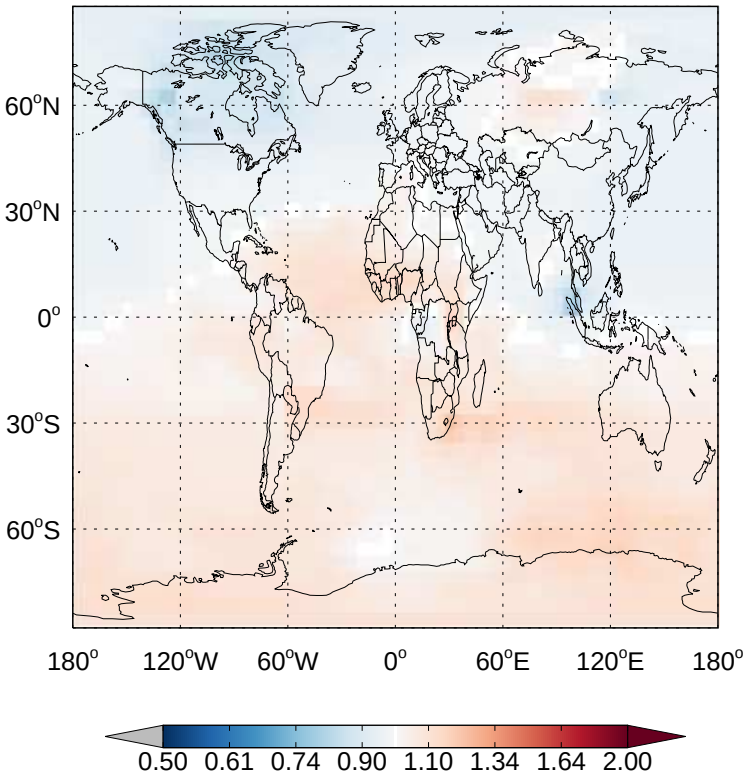
GC_12.0.0 / v11-02f-Run1

SOAMG / Ratio @ Surface for Jul



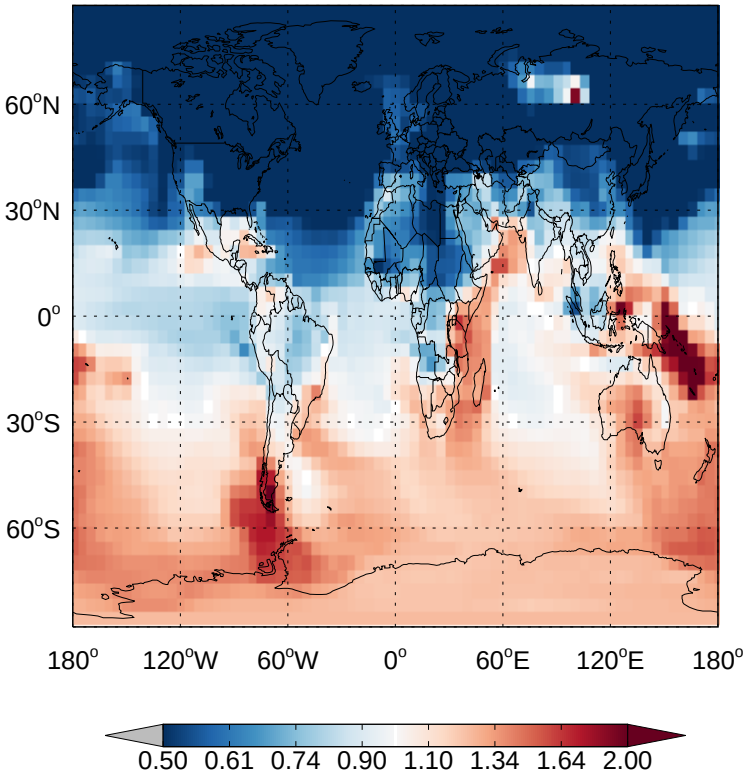
GC_12.0.0 / v11-02f-Run1

SOAMG/ Ratio @ 500 hPa for Jul



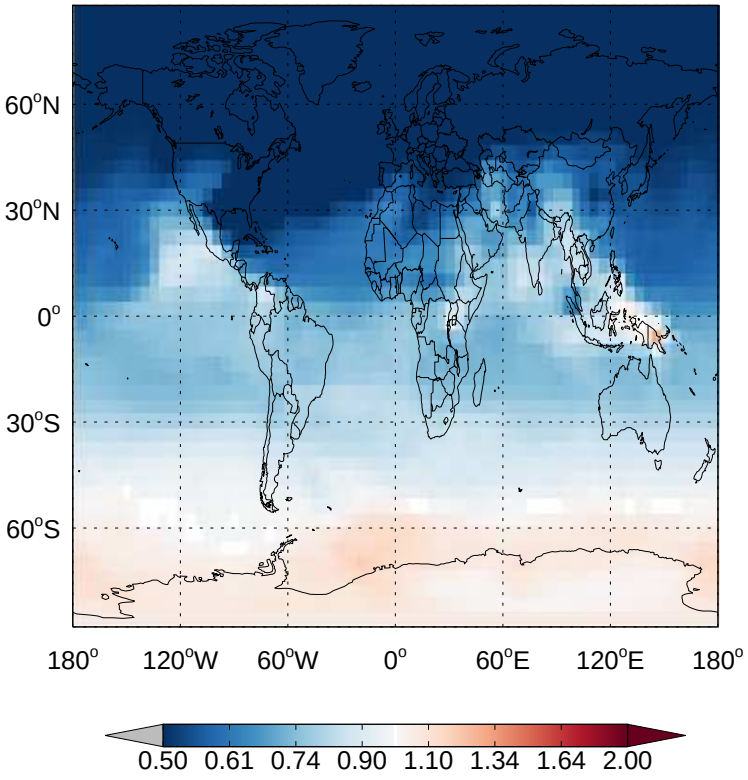
GC_12.0.0 / v11-02e-Run1

SOAMG / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

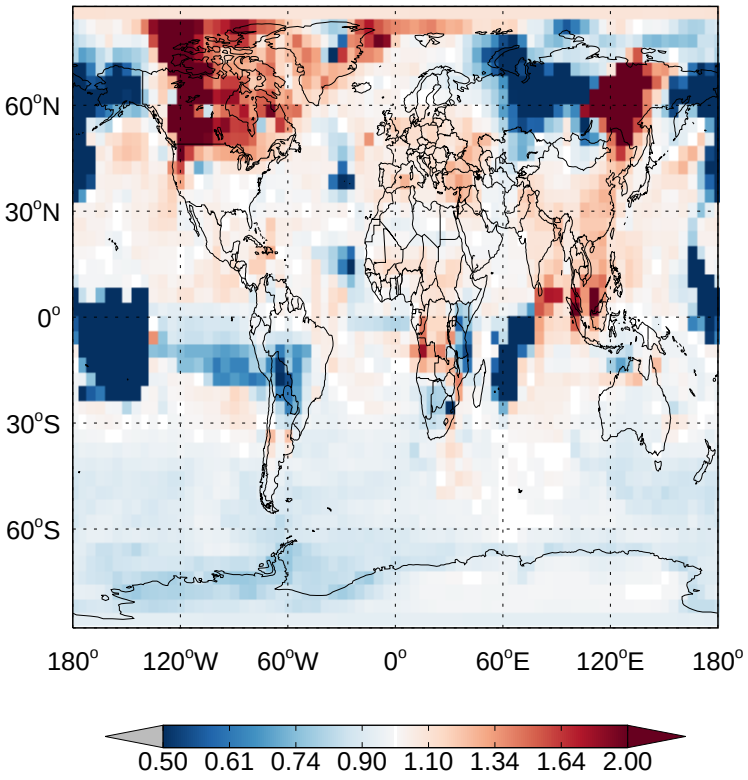
SOAMG/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

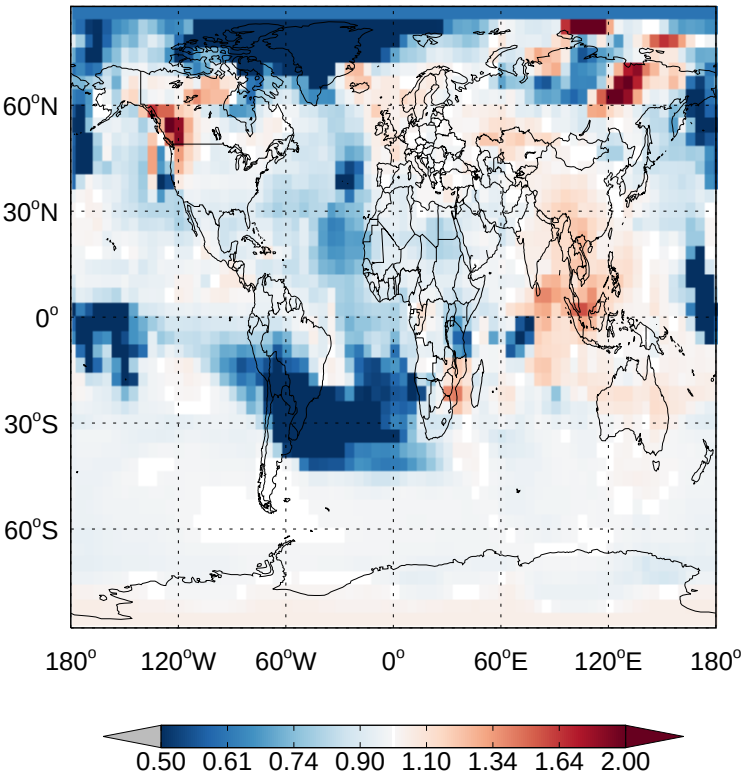
GC_12.0.0 / v11-02f-Run1

LVOC / Ratio @ Surface for Jul



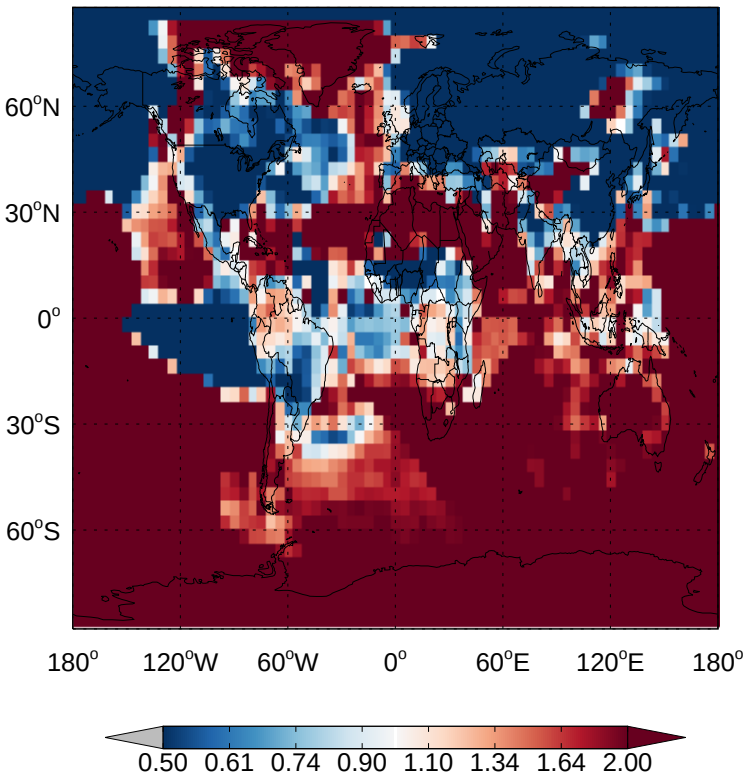
GC_12.0.0 / v11-02f-Run1

LVOC/ Ratio @ 500 hPa for Jul



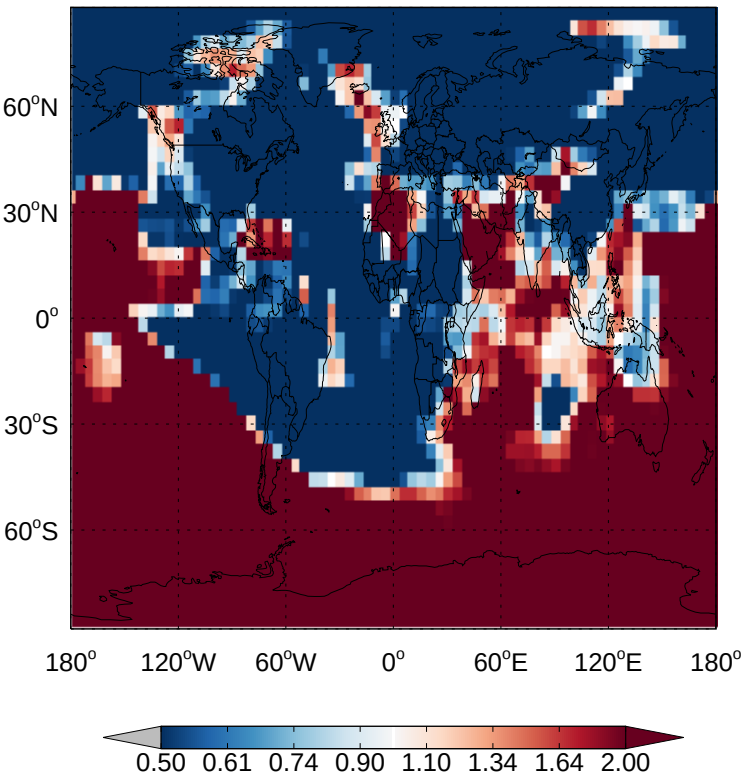
GC_12.0.0 / v11-02e-Run1

LVOC / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

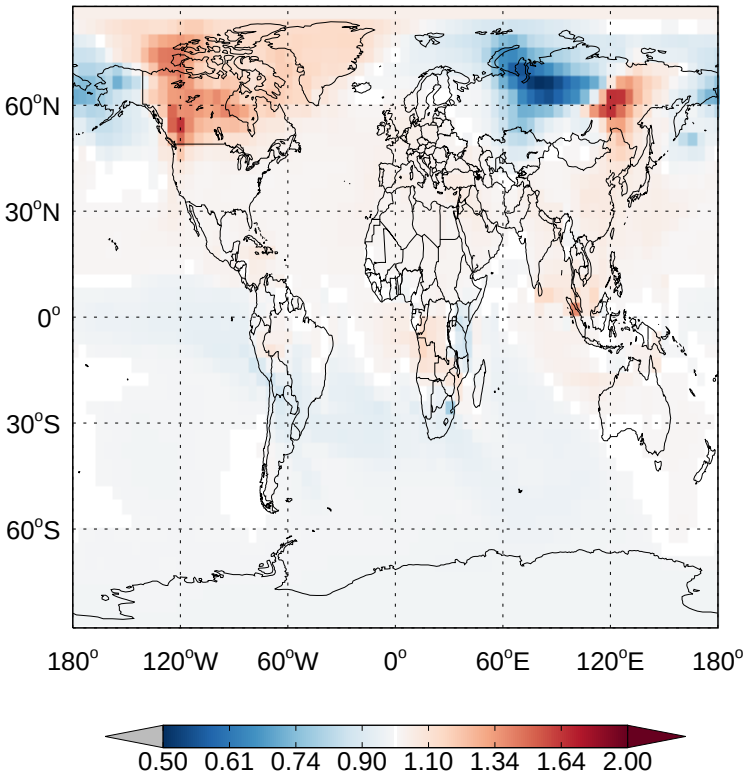
LVOC/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

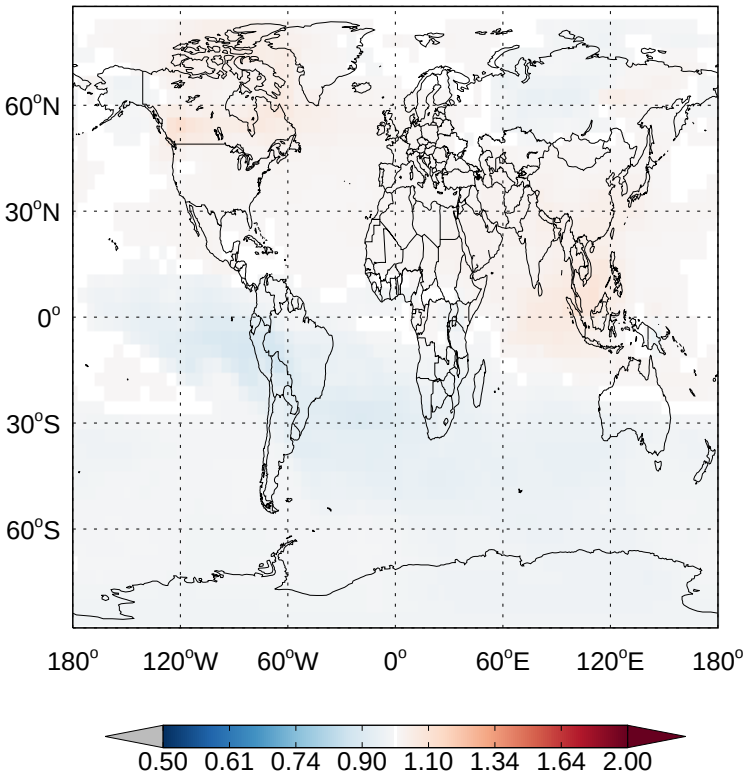
GC_12.0.0 / v11-02f-Run1

LVOCOA / Ratio @ Surface for Jul



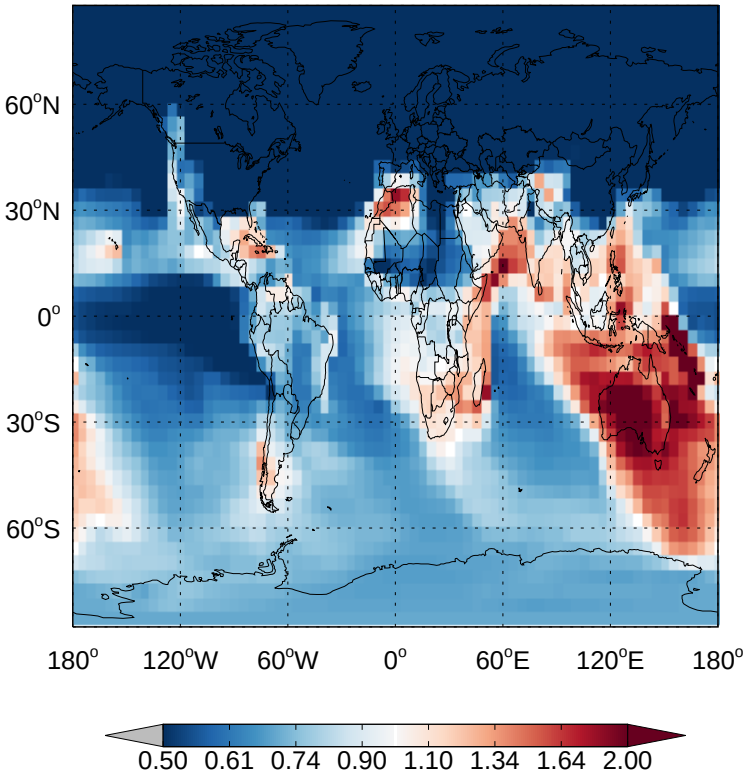
GC_12.0.0 / v11-02f-Run1

LVOCOA/ Ratio @ 500 hPa for Jul



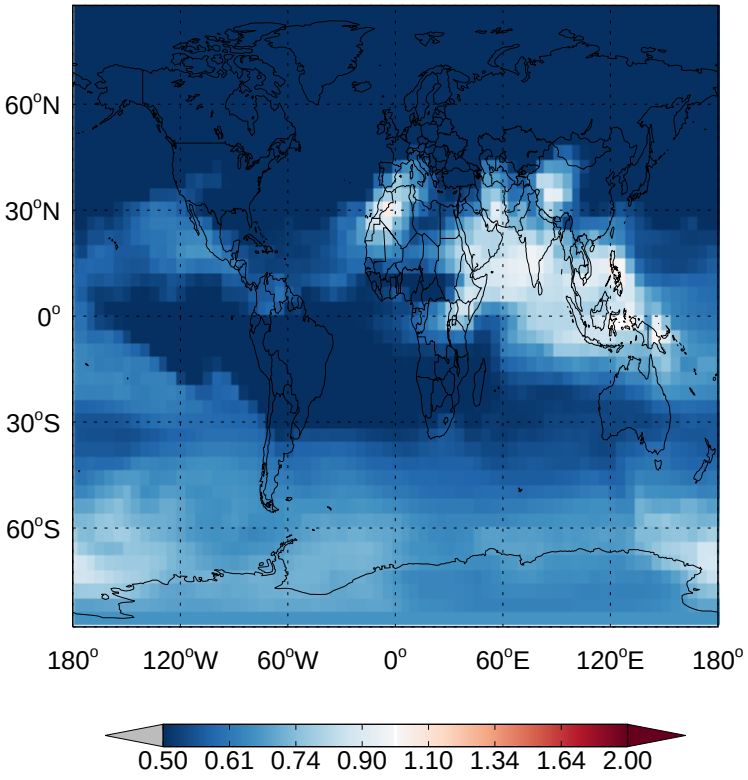
GC_12.0.0 / v11-02e-Run1

LVOCOA / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

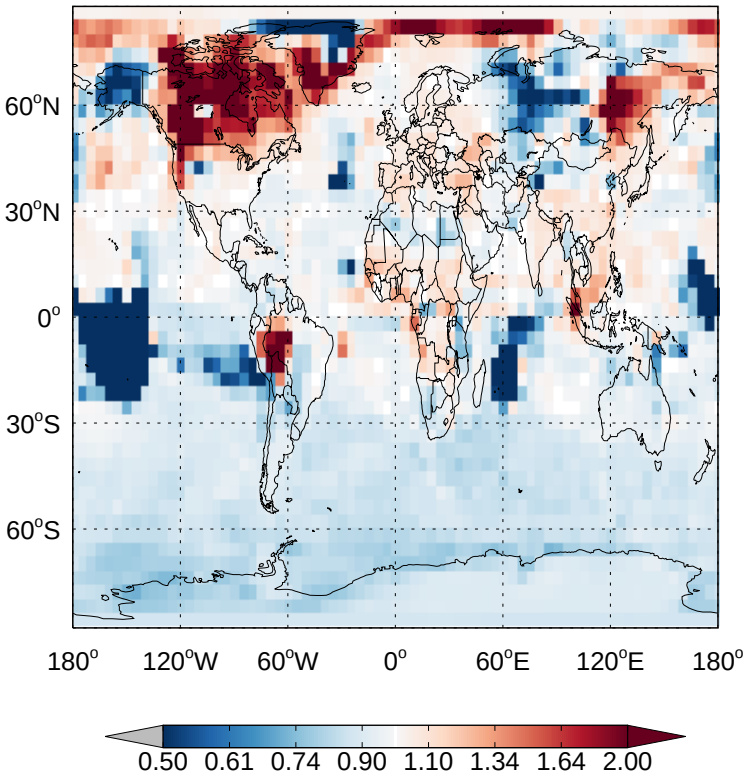
LVOCOA/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

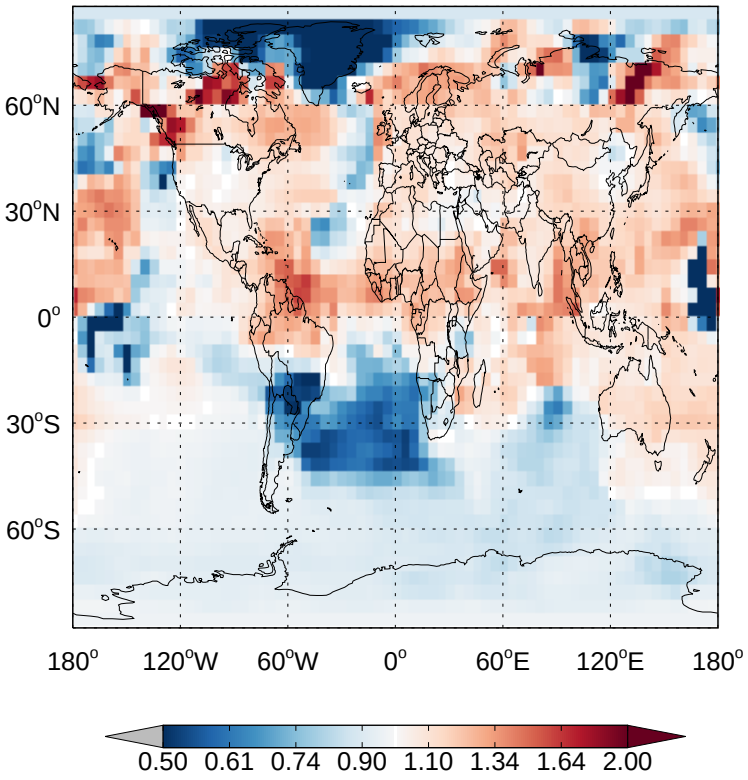
GC_12.0.0 / v11-02f-Run1

ISN1OG / Ratio @ Surface for Jul



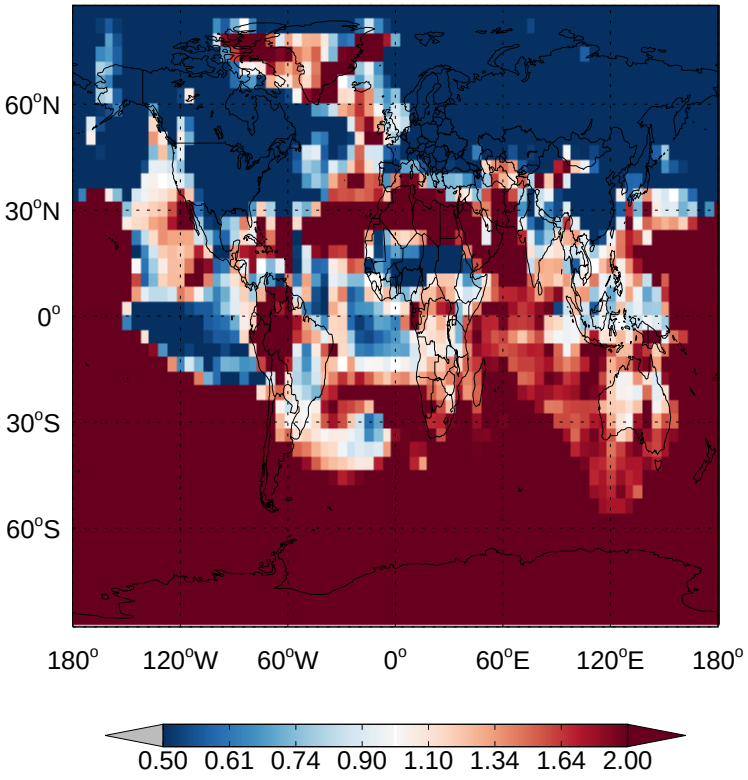
GC_12.0.0 / v11-02f-Run1

ISN1OG/ Ratio @ 500 hPa for Jul



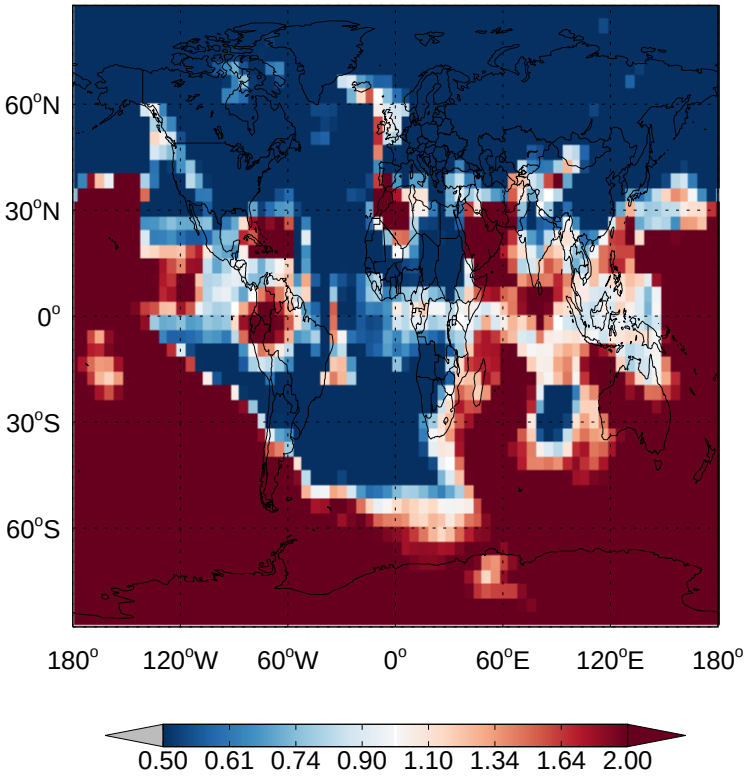
GC_12.0.0 / v11-02e-Run1

ISN1OG / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

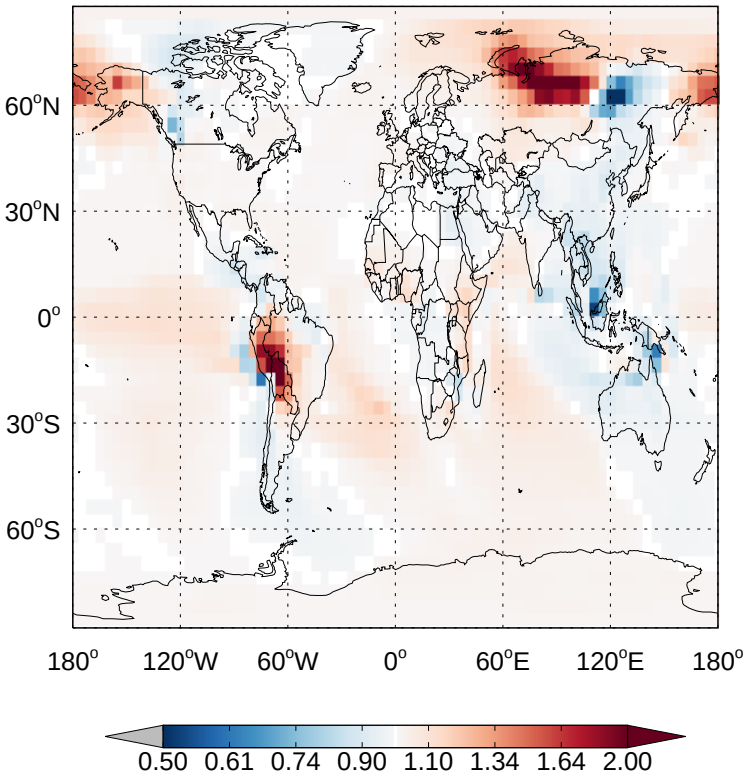
ISN1OG/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

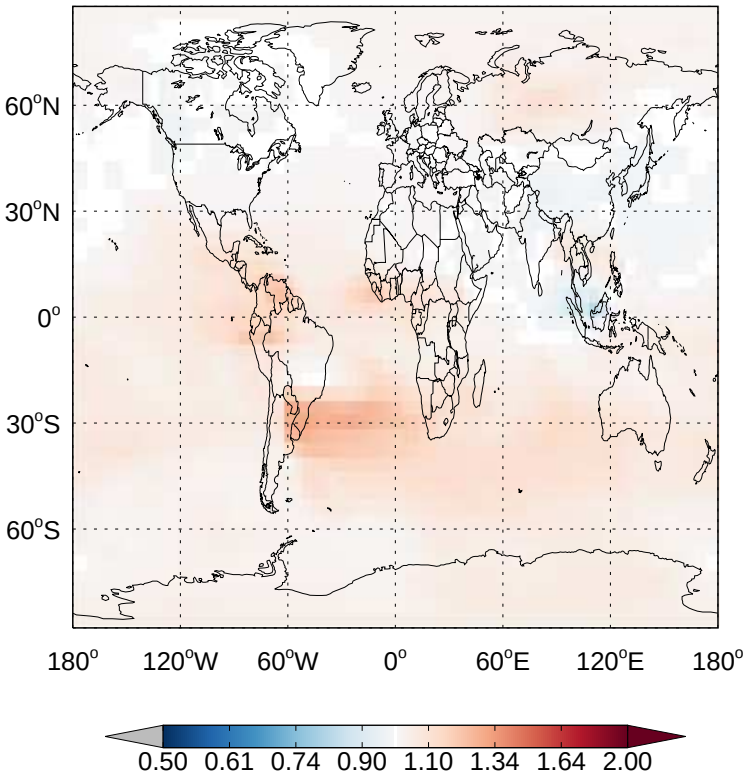
GC_12.0.0 / v11-02f-Run1

ISN1OA / Ratio @ Surface for Jul



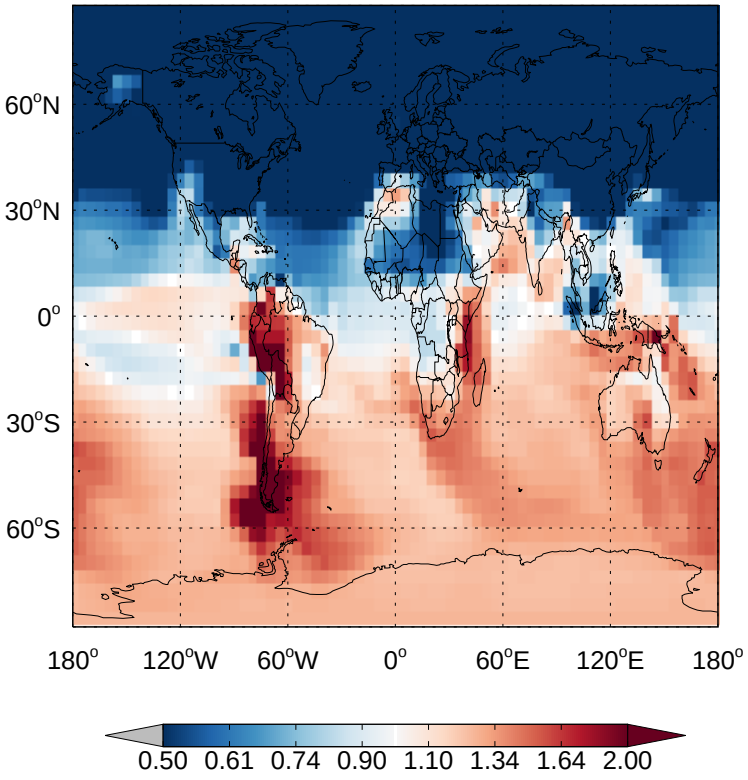
GC_12.0.0 / v11-02f-Run1

ISN1OA/ Ratio @ 500 hPa for Jul



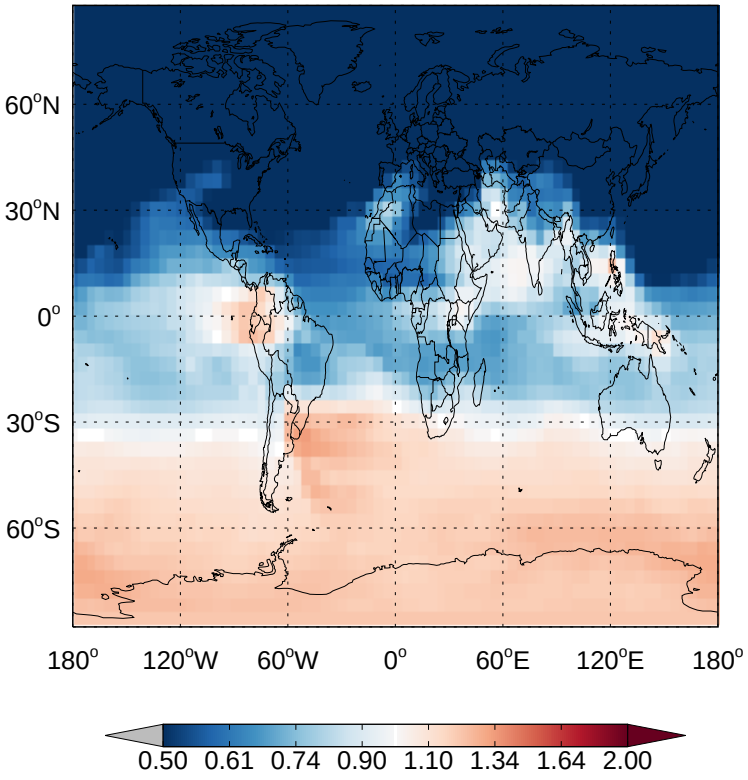
GC_12.0.0 / v11-02e-Run1

ISN1OA / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

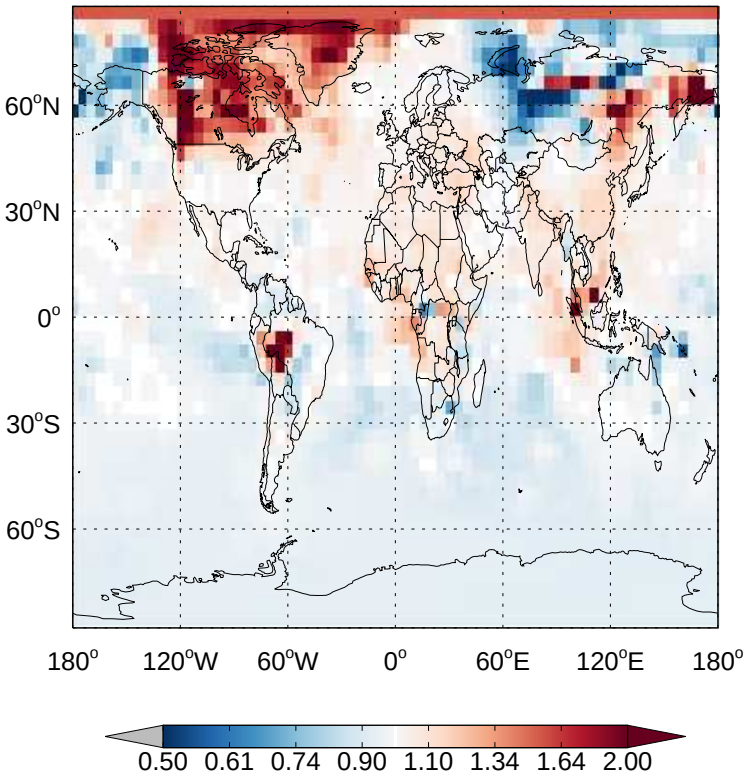
ISN1OA/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

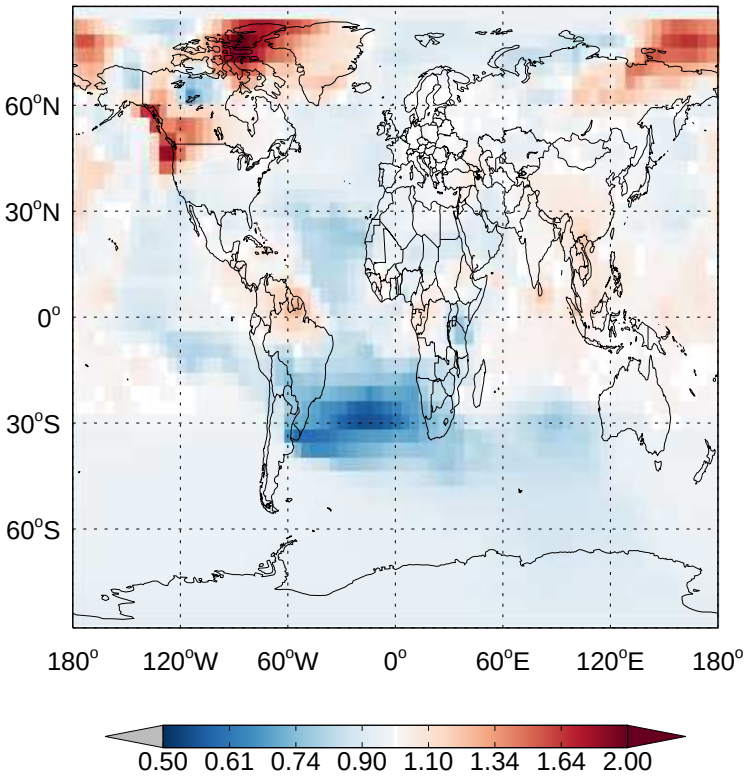
GC_12.0.0 / v11-02f-Run1

MONITS / Ratio @ Surface for Jul



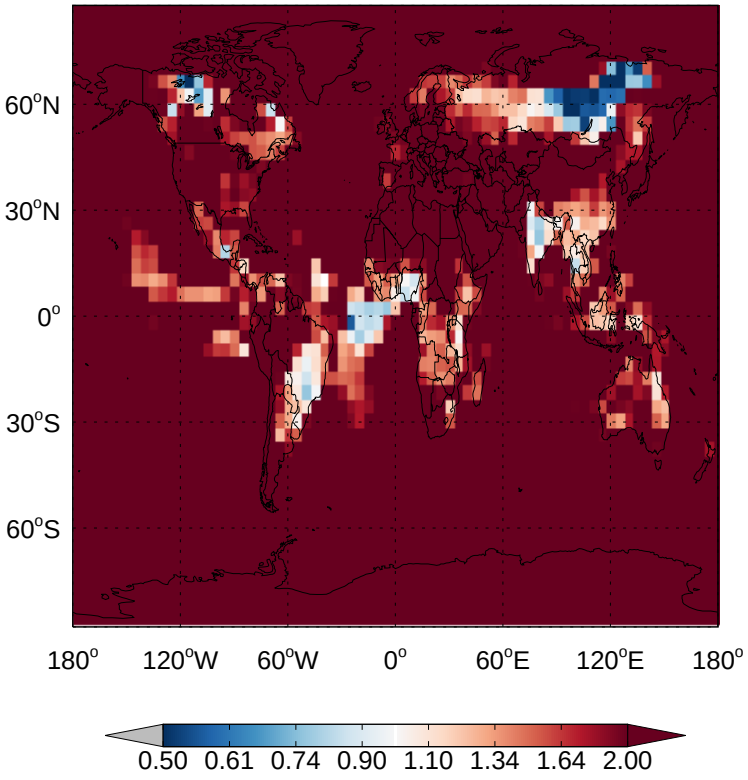
GC_12.0.0 / v11-02f-Run1

MONITS/ Ratio @ 500 hPa for Jul



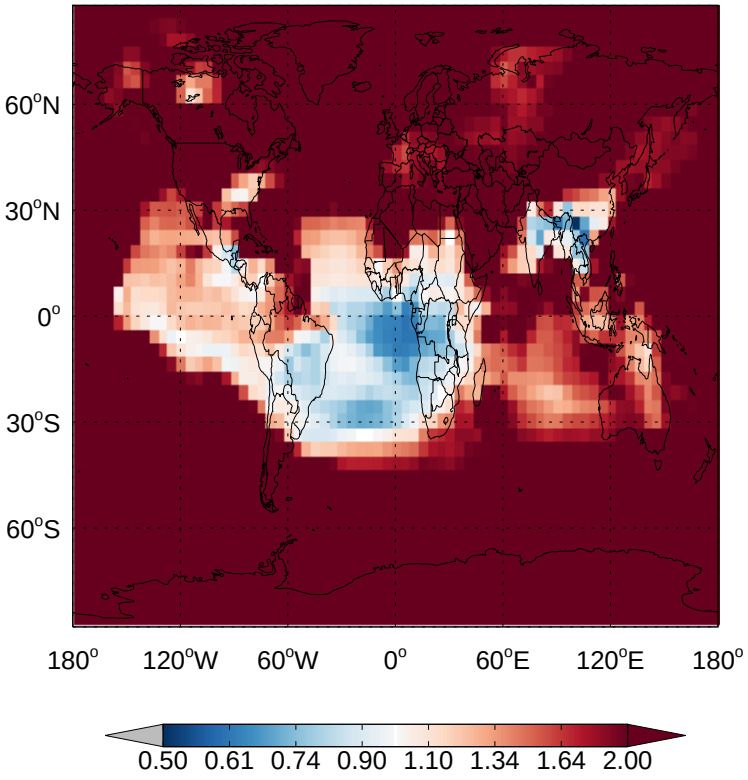
GC_12.0.0 / v11-02e-Run1

MONITS / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

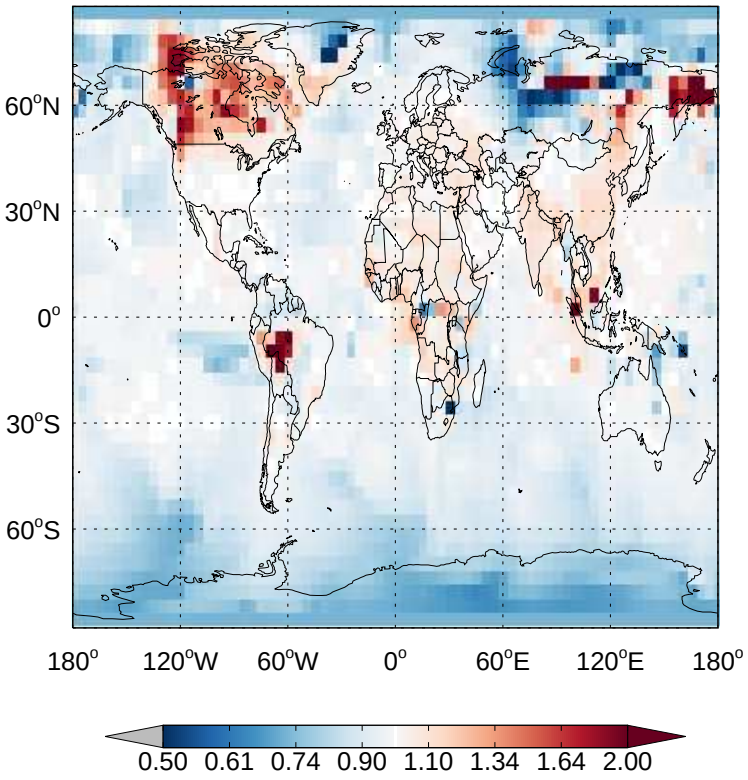
MONITS/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

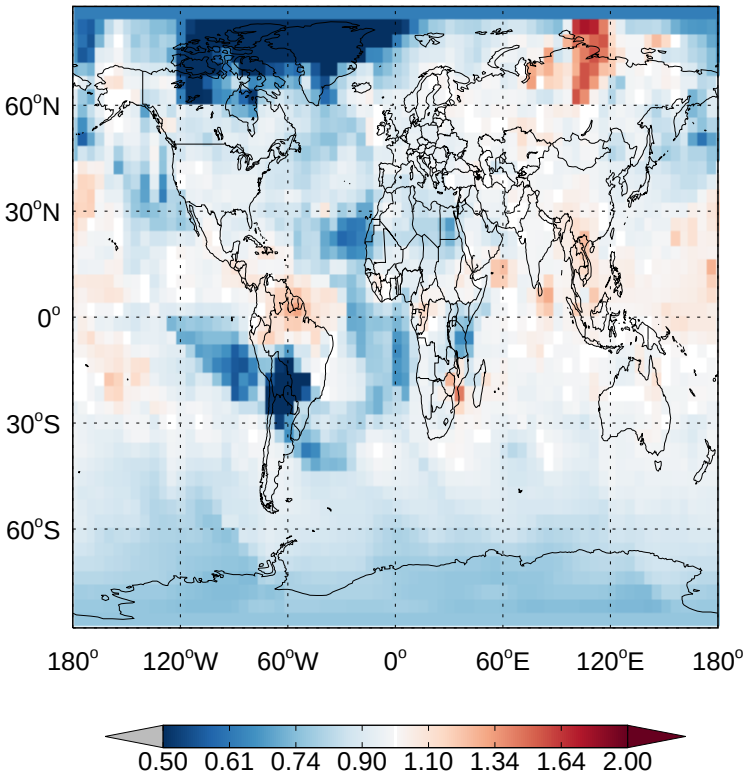
GC_12.0.0 / v11-02f-Run1

MONITU / Ratio @ Surface for Jul



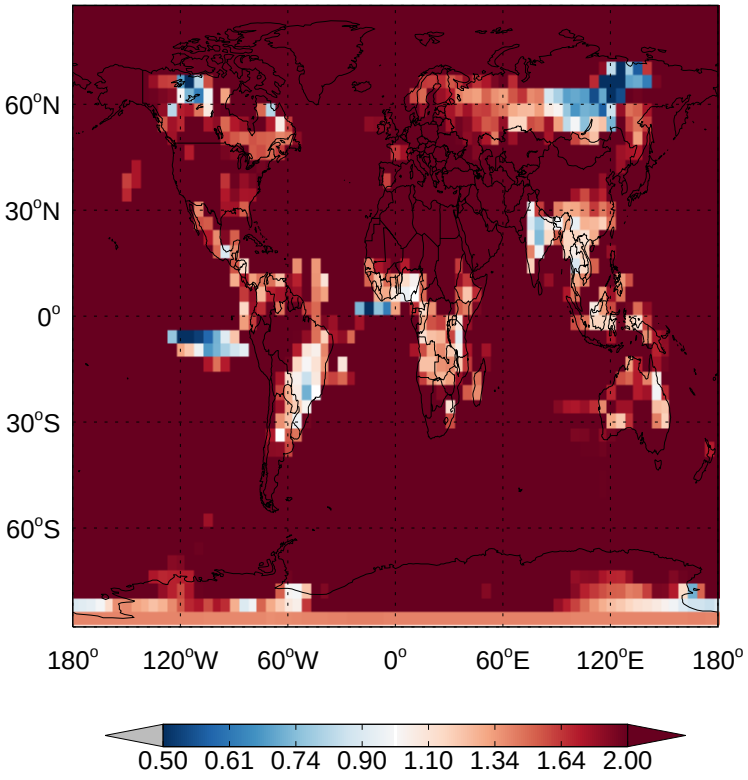
GC_12.0.0 / v11-02f-Run1

MONITU/ Ratio @ 500 hPa for Jul



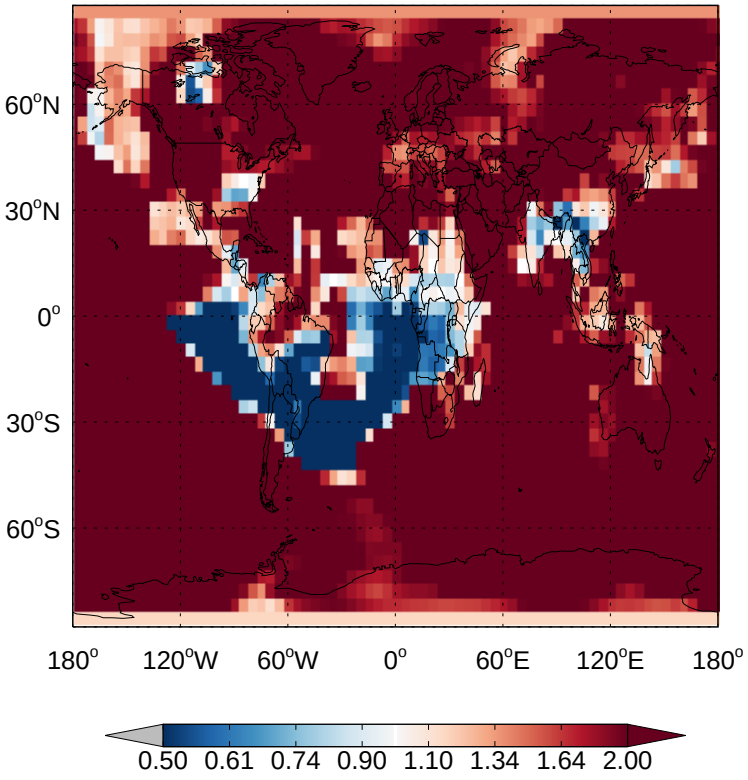
GC_12.0.0 / v11-02e-Run1

MONITU / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

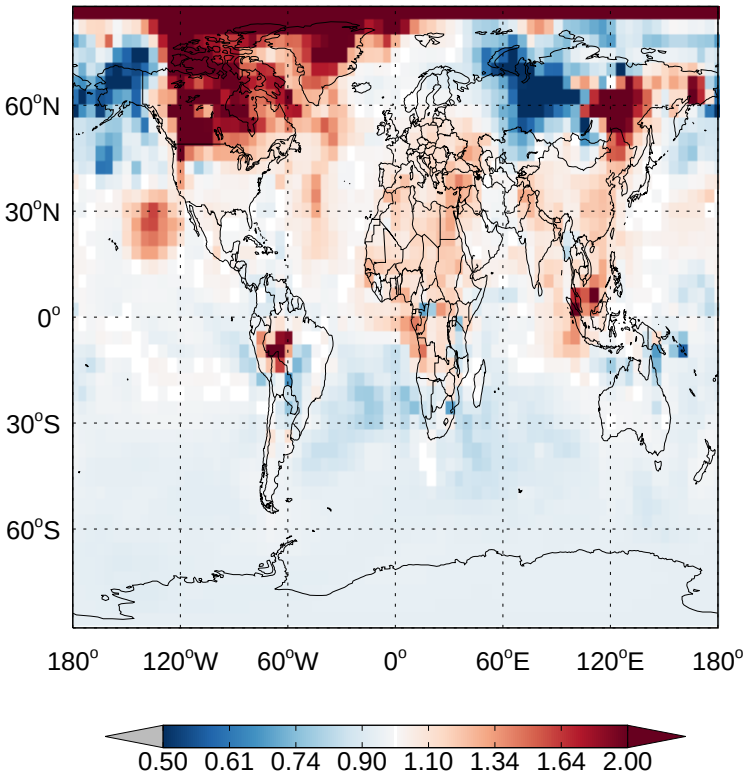
MONITU/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

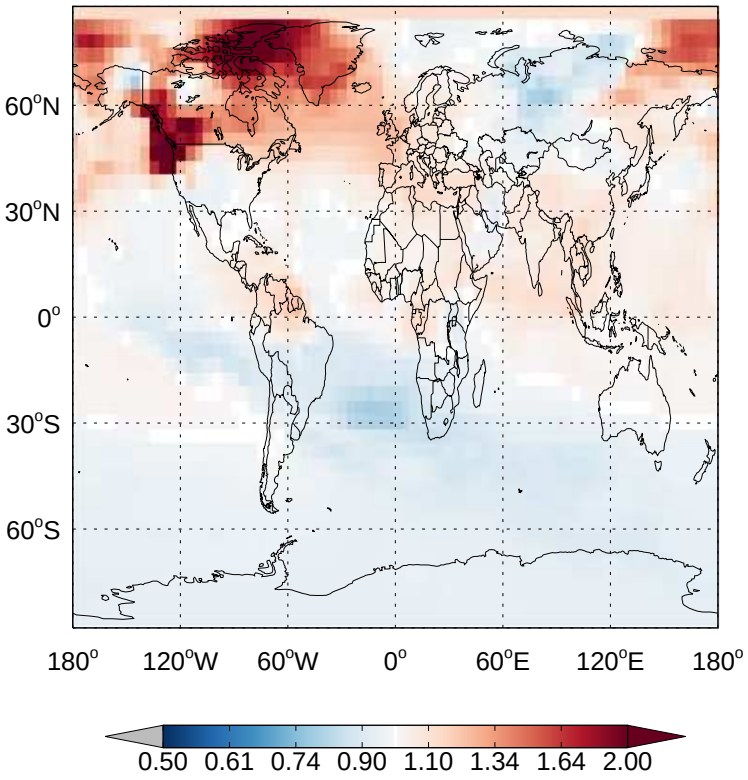
GC_12.0.0 / v11-02f-Run1

HONIT / Ratio @ Surface for Jul



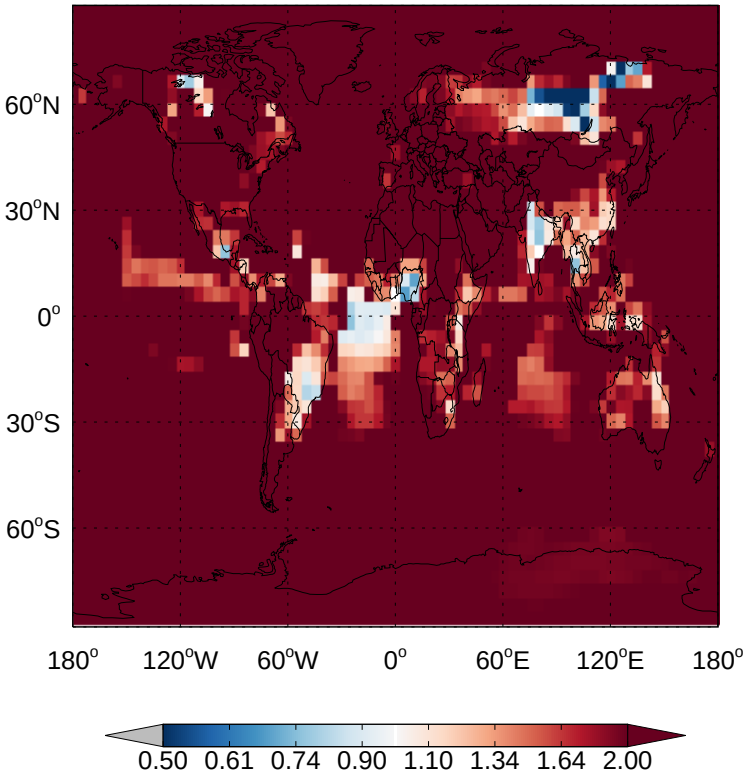
GC_12.0.0 / v11-02f-Run1

HONIT/ Ratio @ 500 hPa for Jul



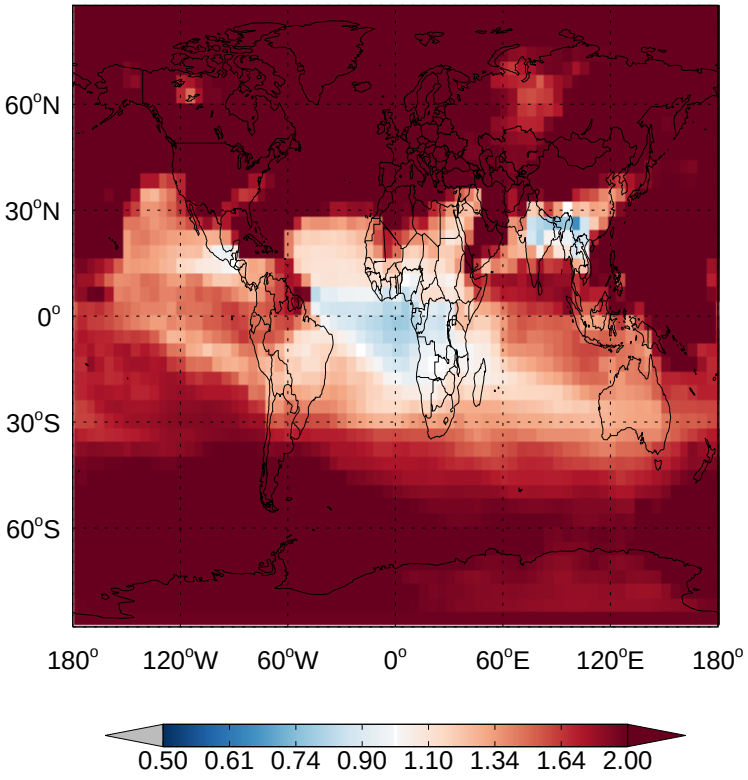
GC_12.0.0 / v11-02e-Run1

HONIT / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

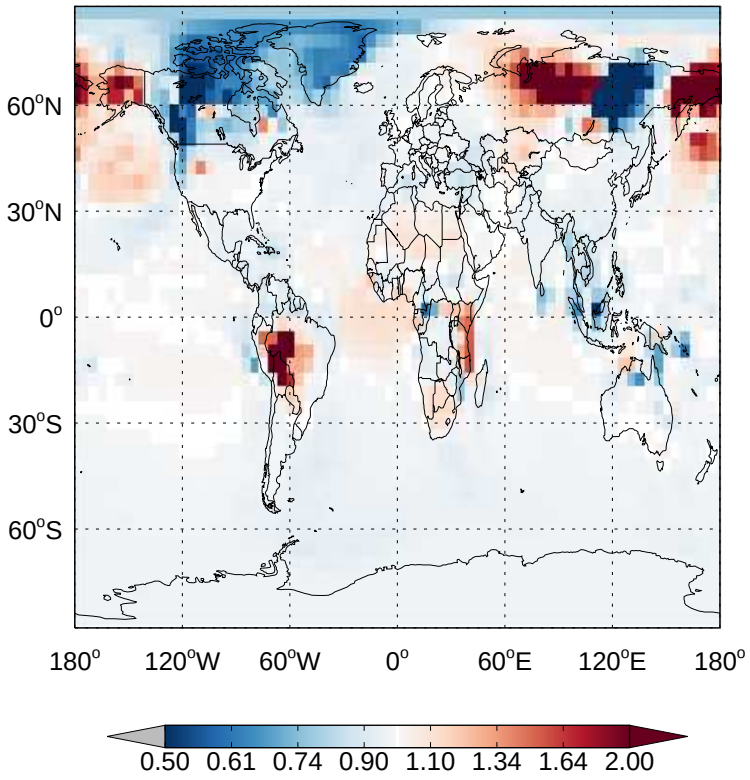
HONIT/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

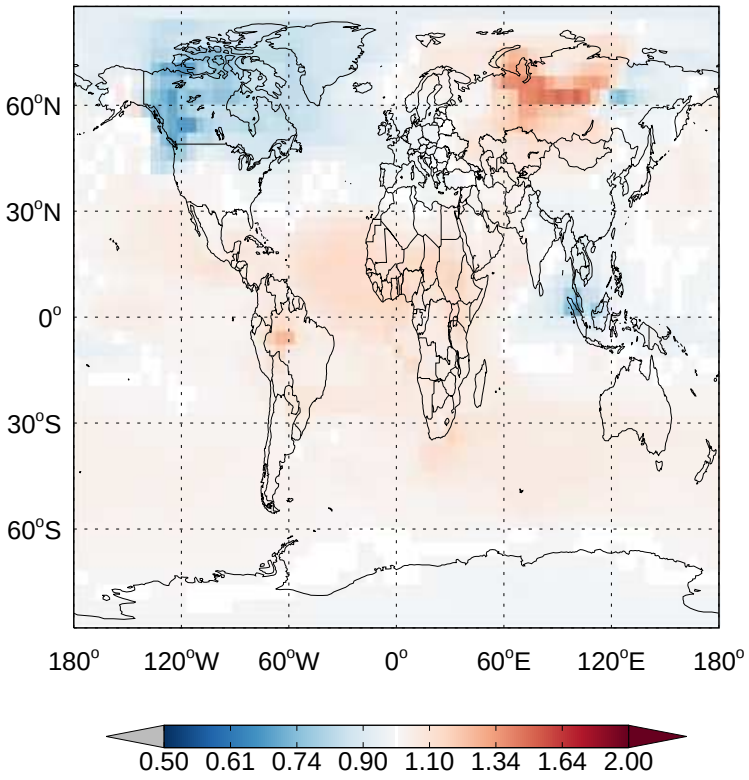
GC_12.0.0 / v11-02f-Run1

IONITA / Ratio @ Surface for Jul



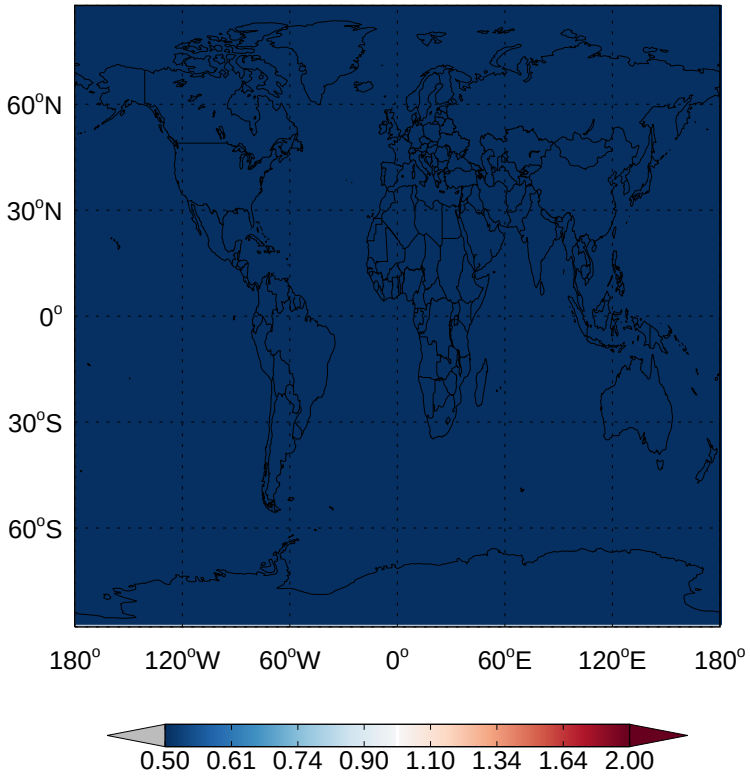
GC_12.0.0 / v11-02f-Run1

IONITA/ Ratio @ 500 hPa for Jul



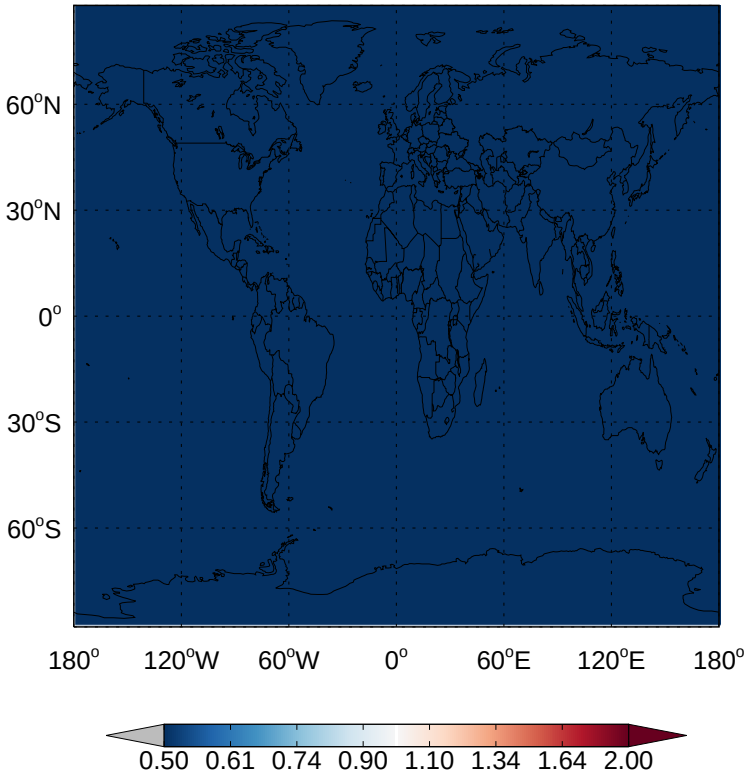
GC_12.0.0 / v11-02e-Run1

IONITA / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

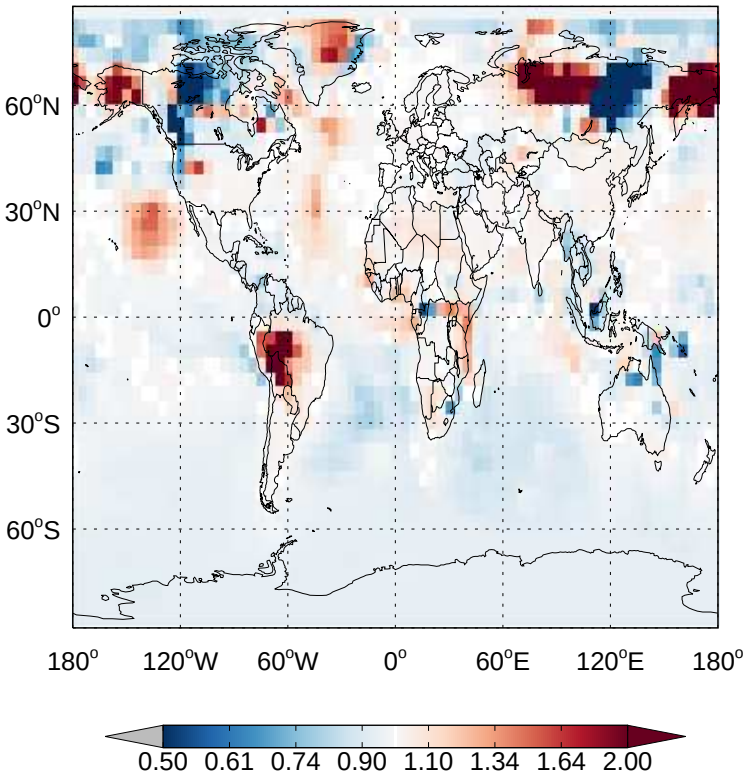
IONITA/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

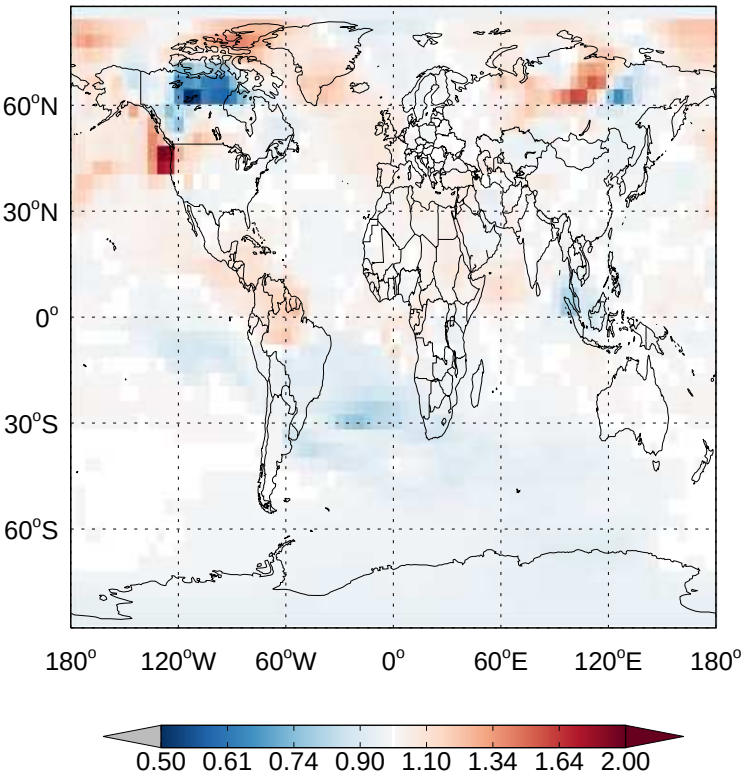
GC_12.0.0 / v11-02f-Run1

MONITA / Ratio @ Surface for Jul



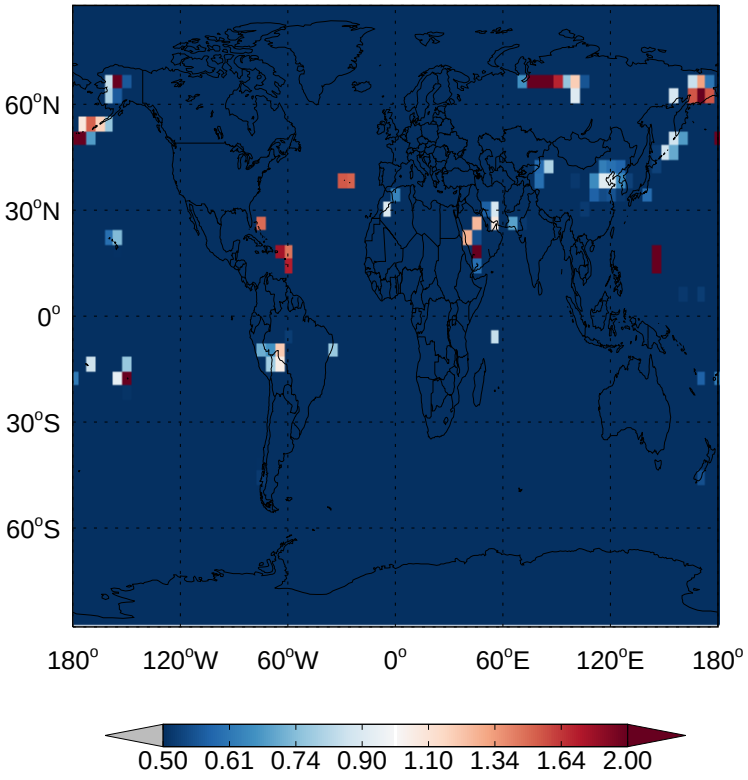
GC_12.0.0 / v11-02f-Run1

MONITA/ Ratio @ 500 hPa for Jul



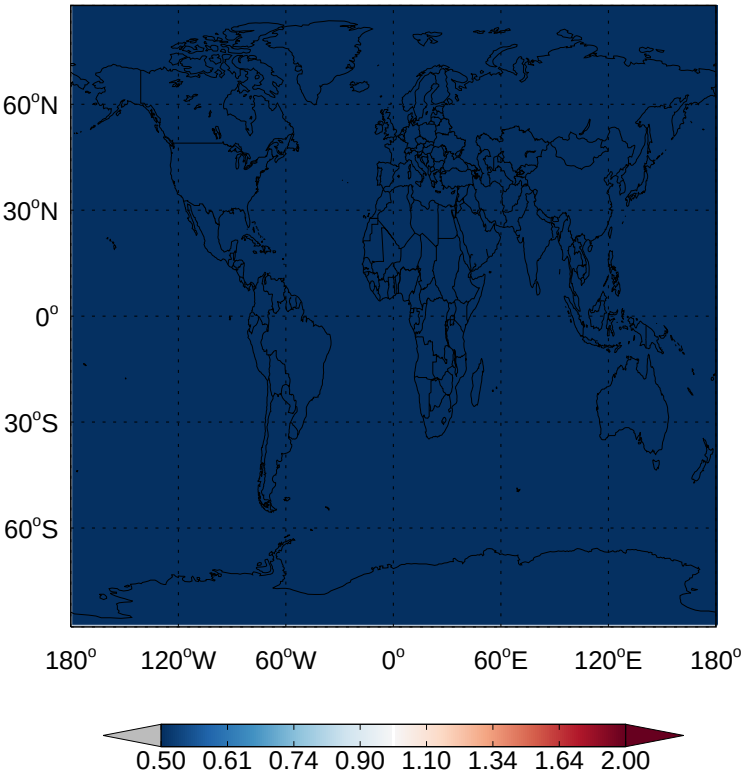
GC_12.0.0 / v11-02e-Run1

MONITA / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

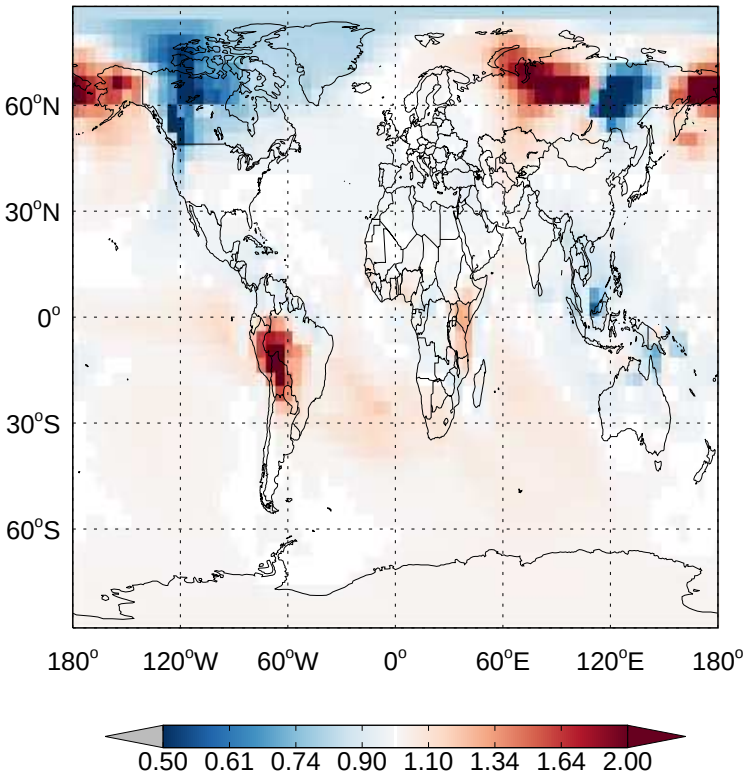
MONITA/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

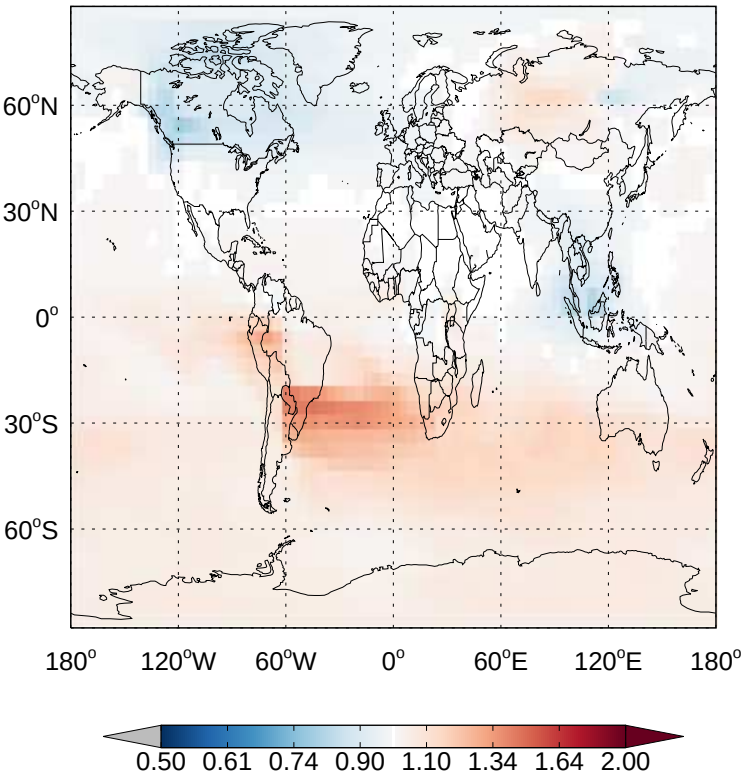
GC_12.0.0 / v11-02f-Run1

INDIOL / Ratio @ Surface for Jul



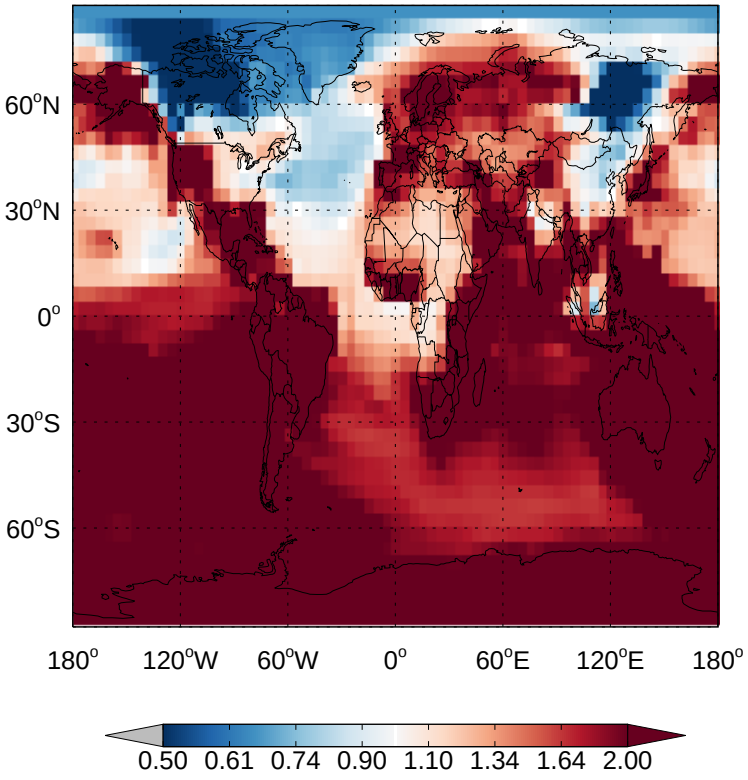
GC_12.0.0 / v11-02f-Run1

INDIOL/ Ratio @ 500 hPa for Jul



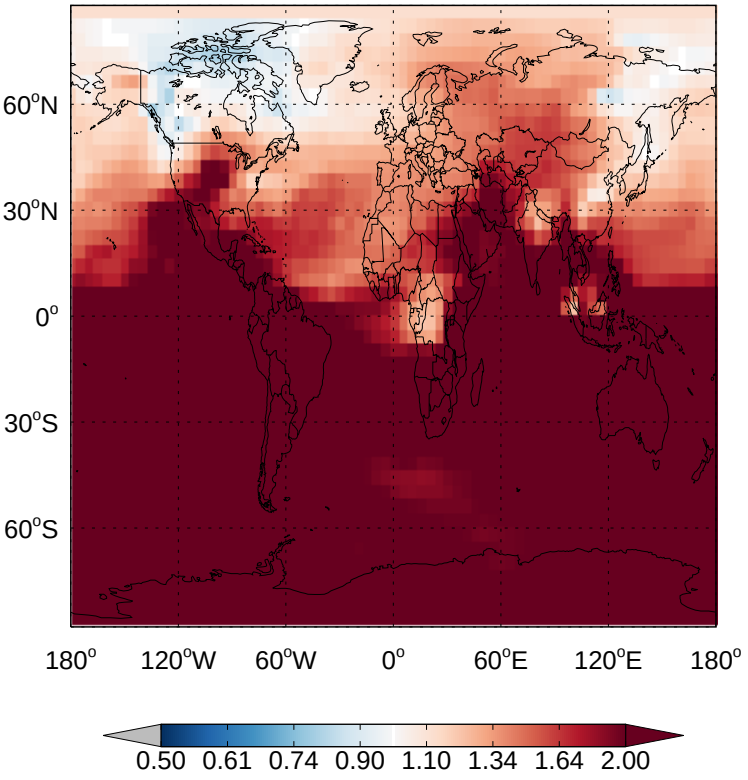
GC_12.0.0 / v11-02e-Run1

INDIOL / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

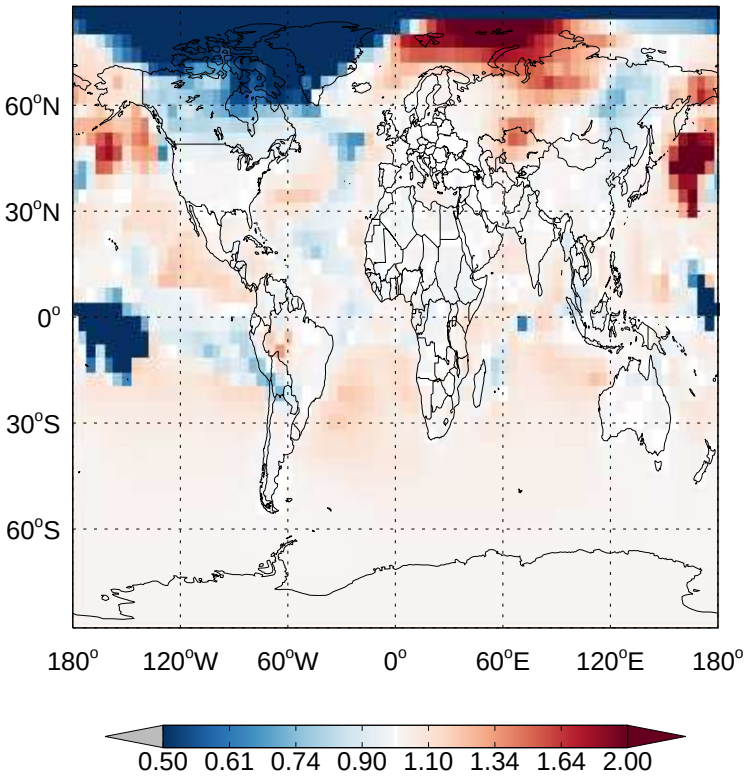
INDIOL/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

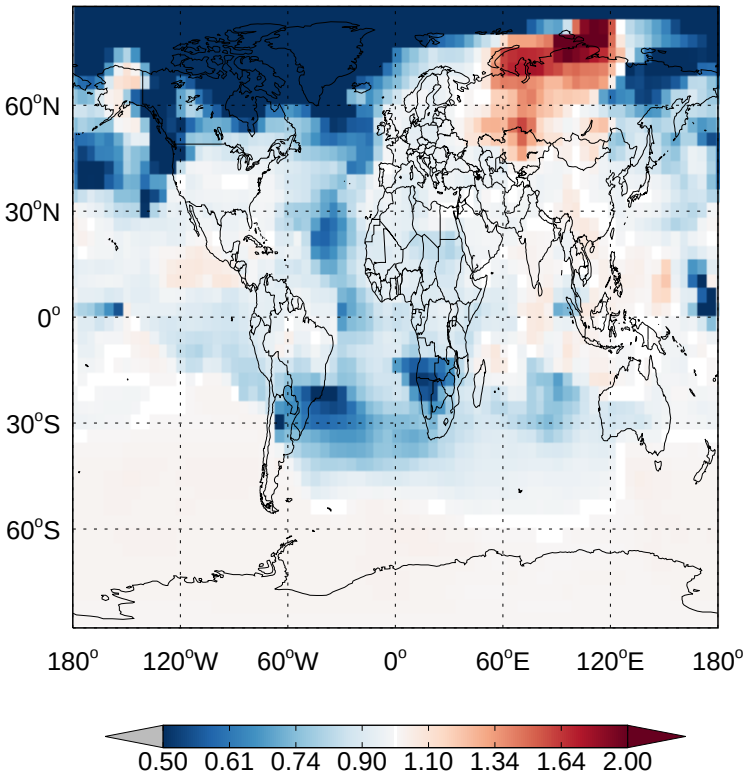
GC_12.0.0 / v11-02f-Run1

IPMN / Ratio @ Surface for Jul



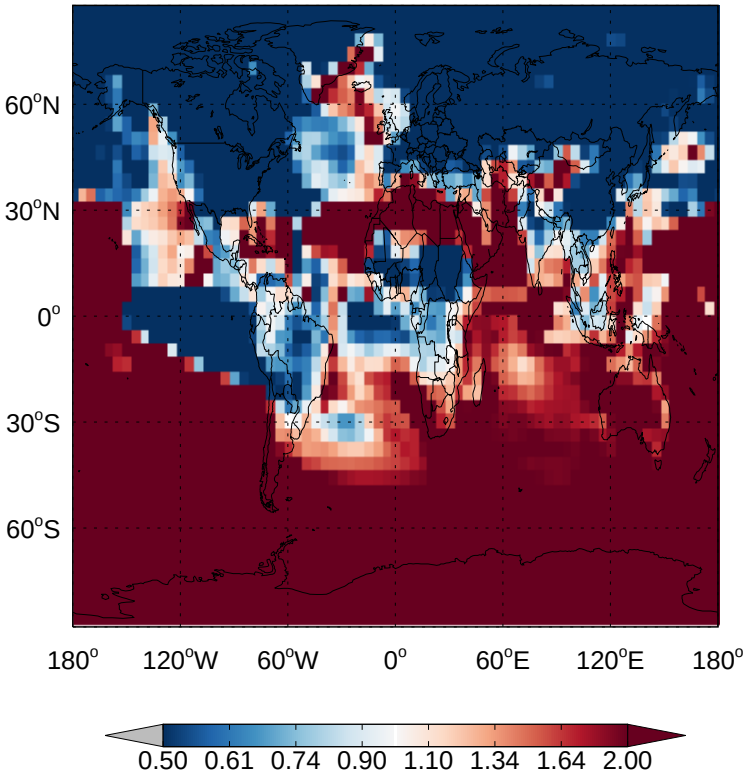
GC_12.0.0 / v11-02f-Run1

IPMN/ Ratio @ 500 hPa for Jul



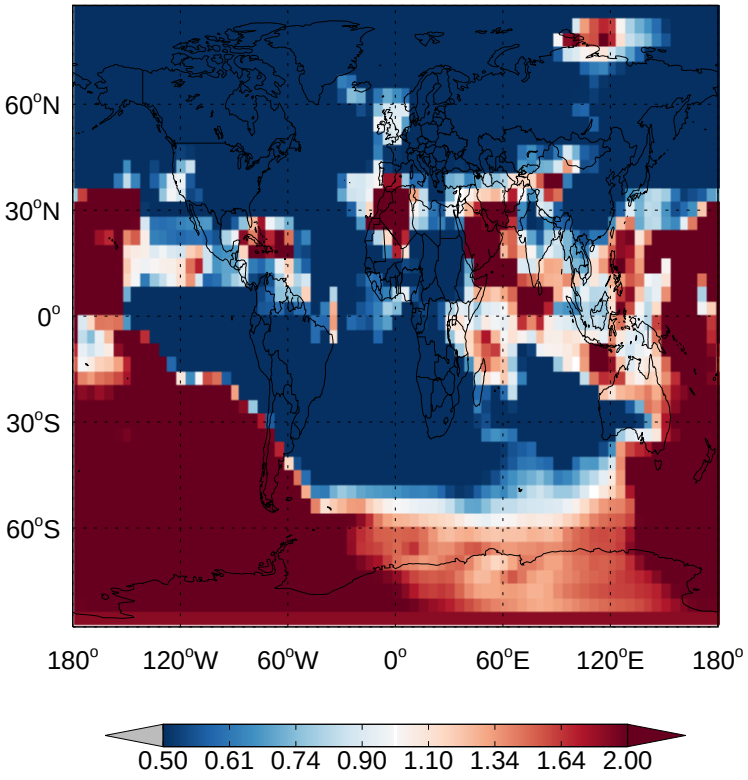
GC_12.0.0 / v11-02e-Run1

IPMN / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

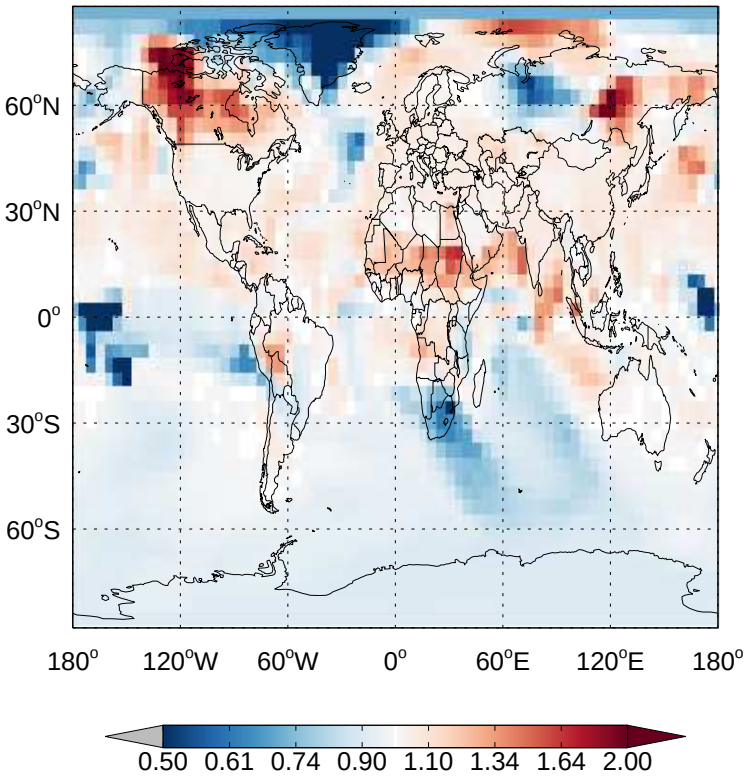
IPMN/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

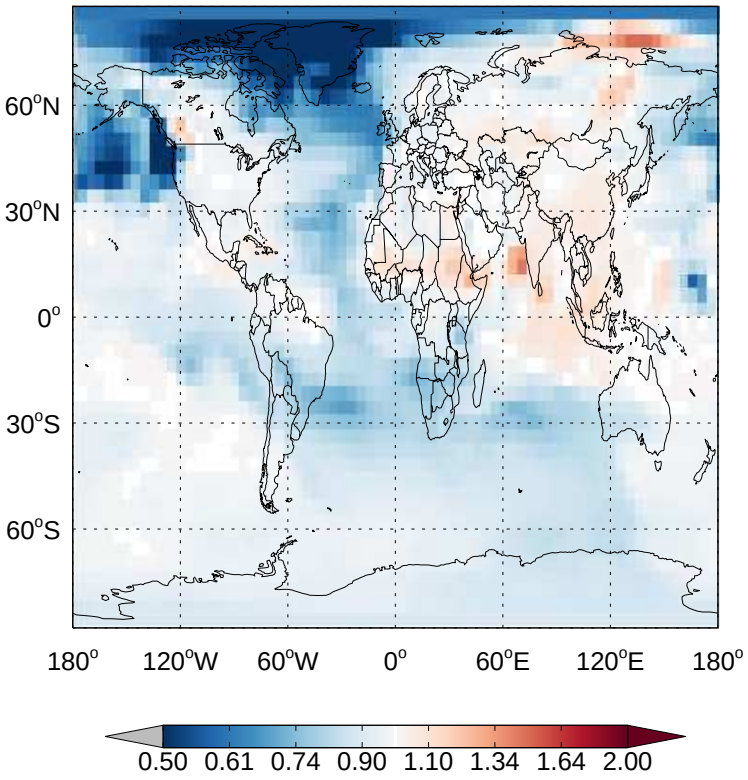
GC_12.0.0 / v11-02f-Run1

HC187 / Ratio @ Surface for Jul



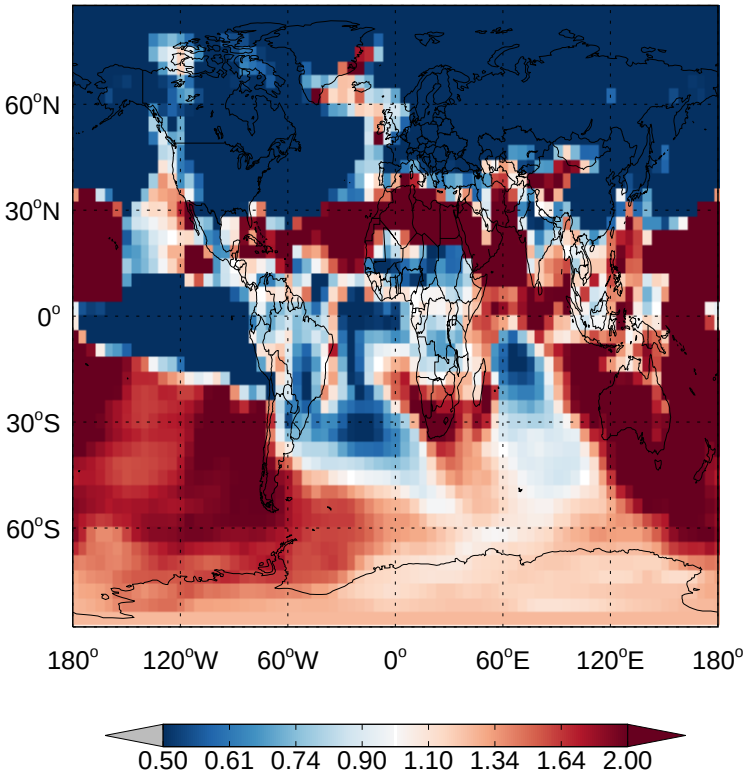
GC_12.0.0 / v11-02f-Run1

HC187/ Ratio @ 500 hPa for Jul



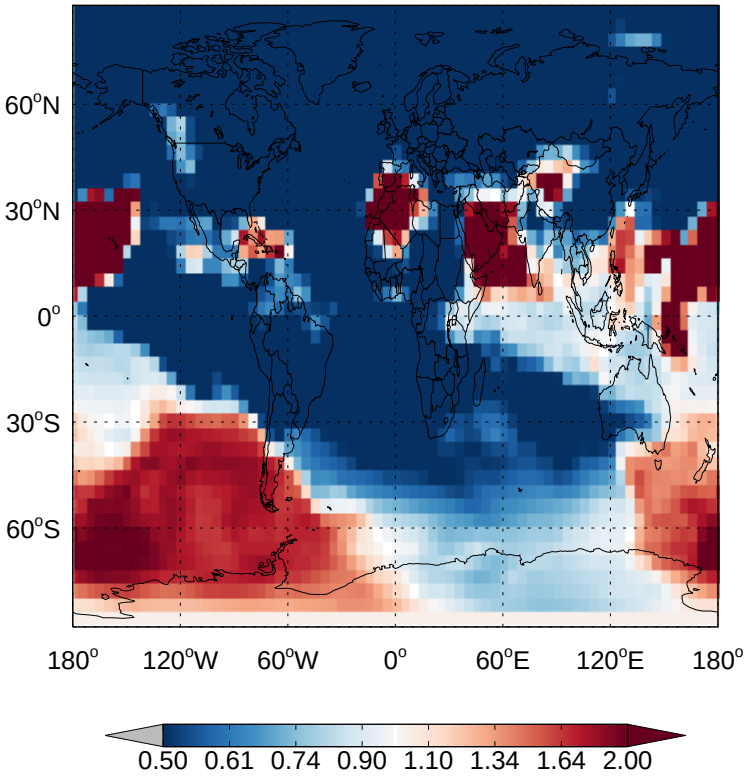
GC_12.0.0 / v11-02e-Run1

HC187 / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

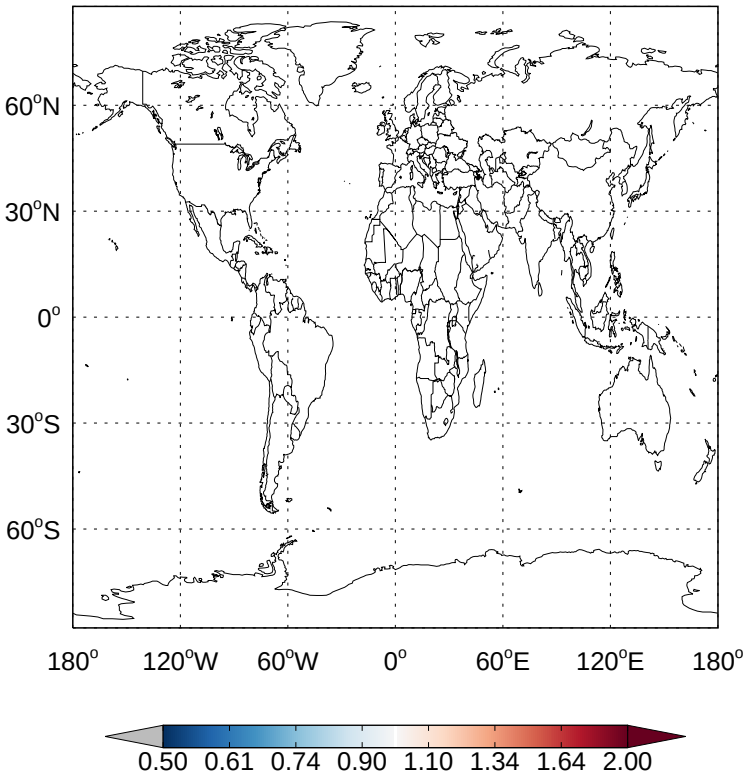
HC187/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

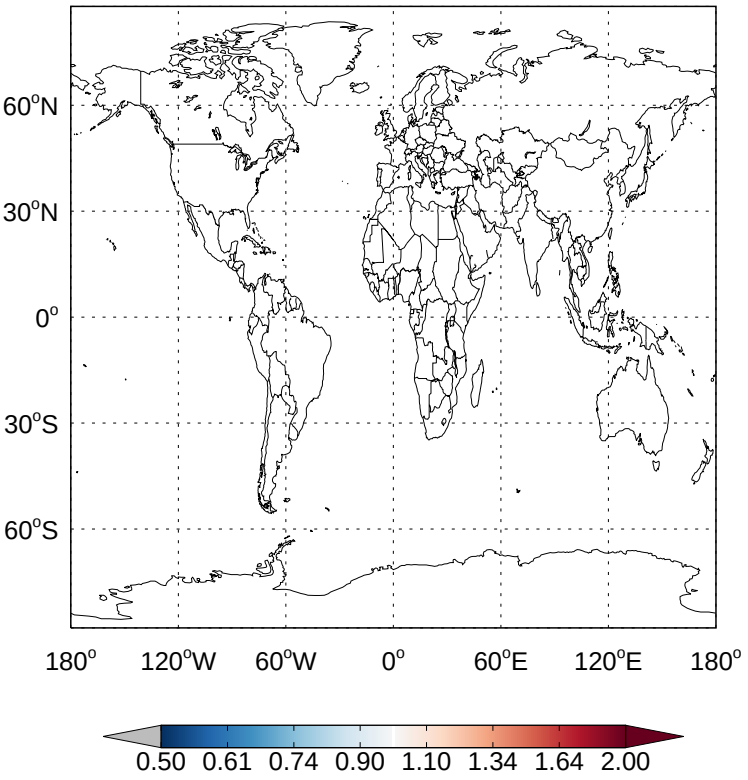
GC_12.0.0 / v11-02f-Run1

N2O / Ratio @ Surface for Jul



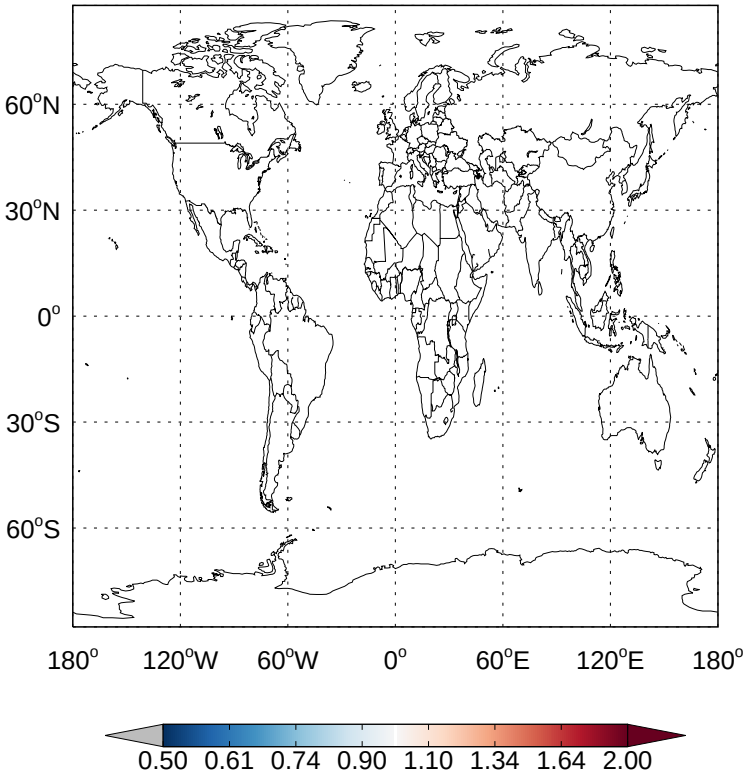
GC_12.0.0 / v11-02f-Run1

N2O/ Ratio @ 500 hPa for Jul



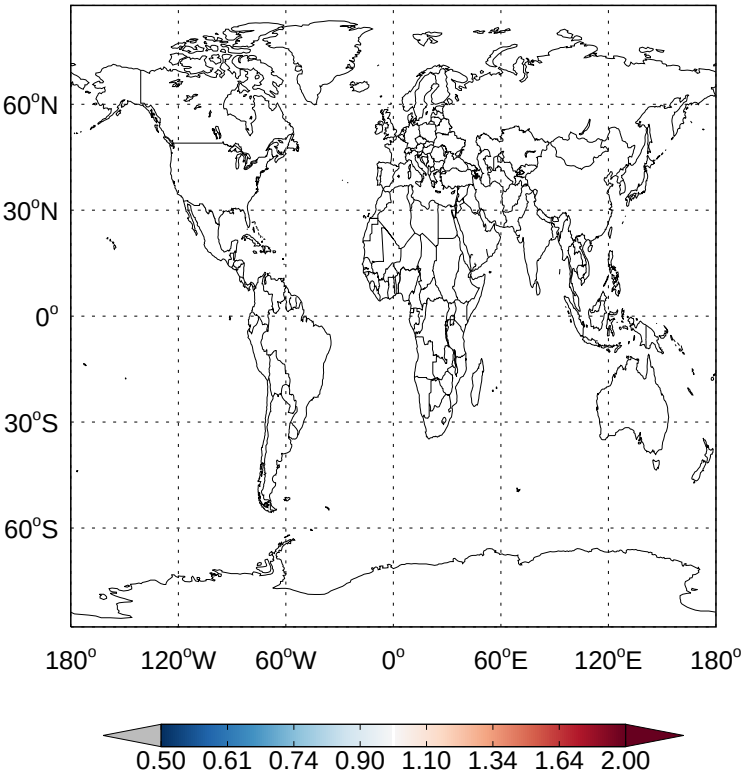
GC_12.0.0 / v11-02e-Run1

N2O / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

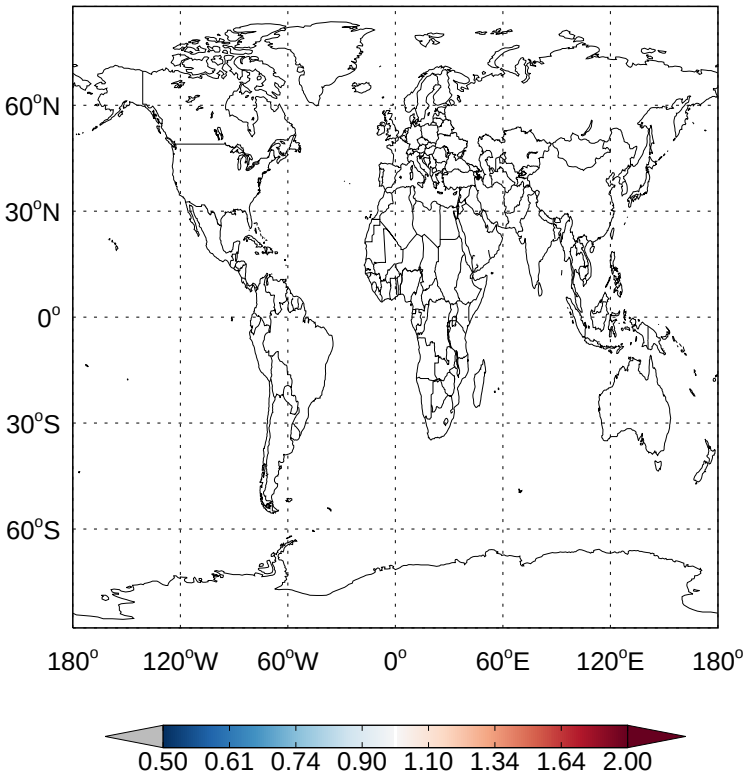
N2O/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

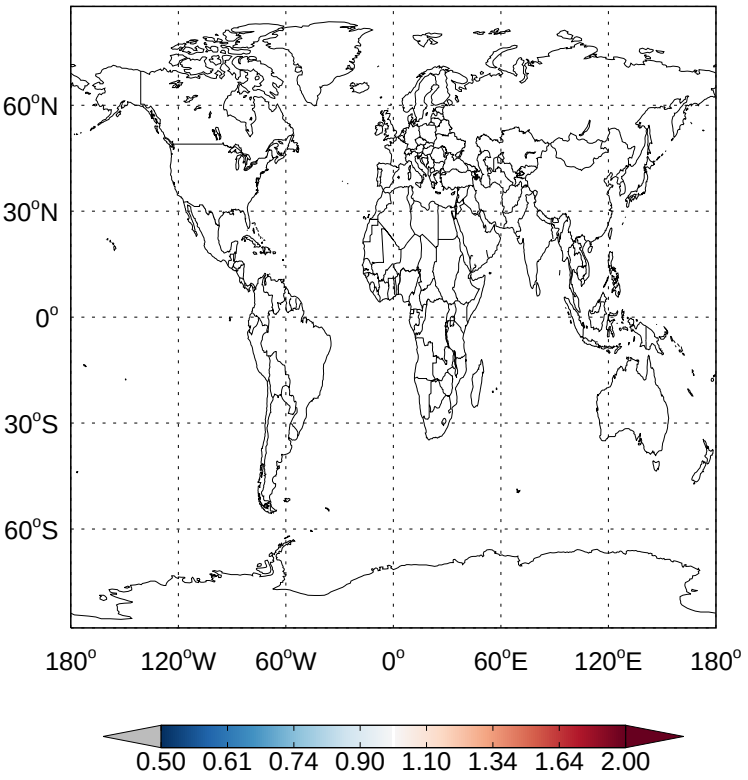
GC_12.0.0 / v11-02f-Run1

OCS / Ratio @ Surface for Jul



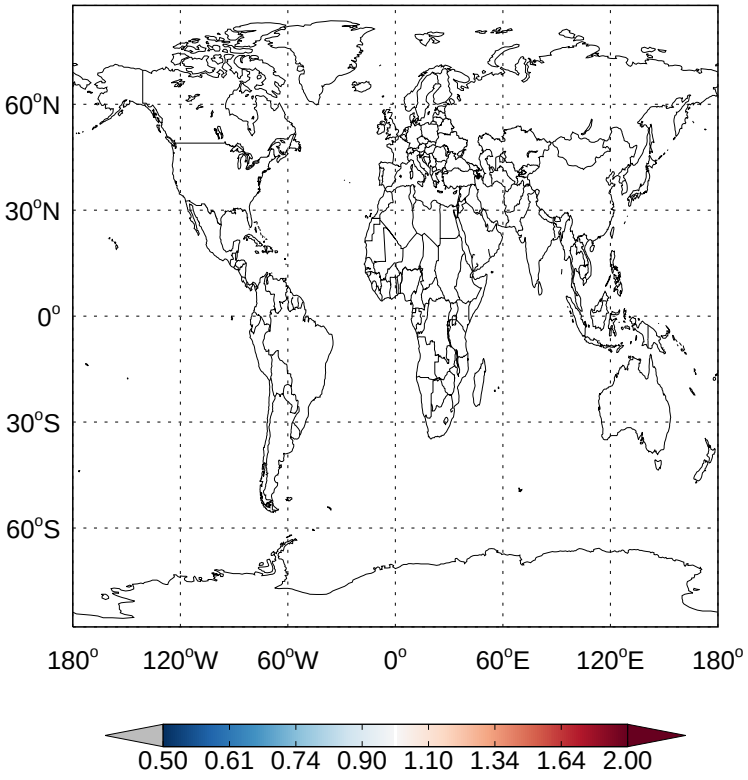
GC_12.0.0 / v11-02f-Run1

OCS/ Ratio @ 500 hPa for Jul



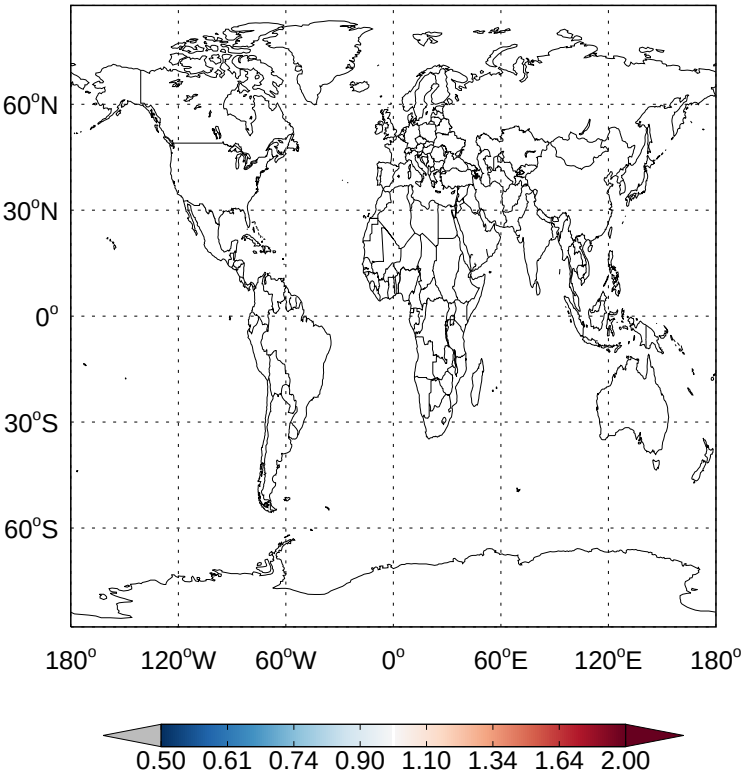
GC_12.0.0 / v11-02e-Run1

OCS / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

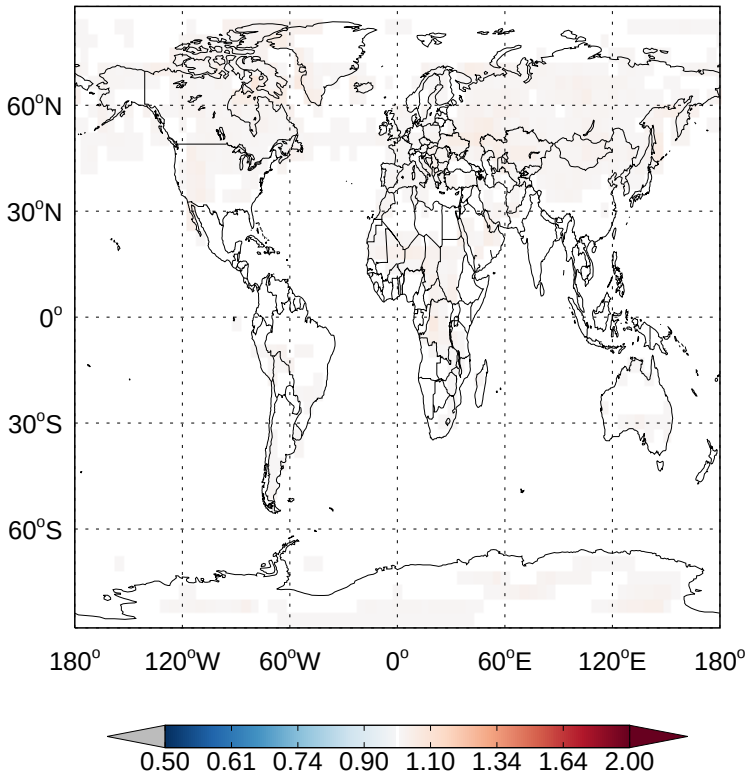
OCS/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

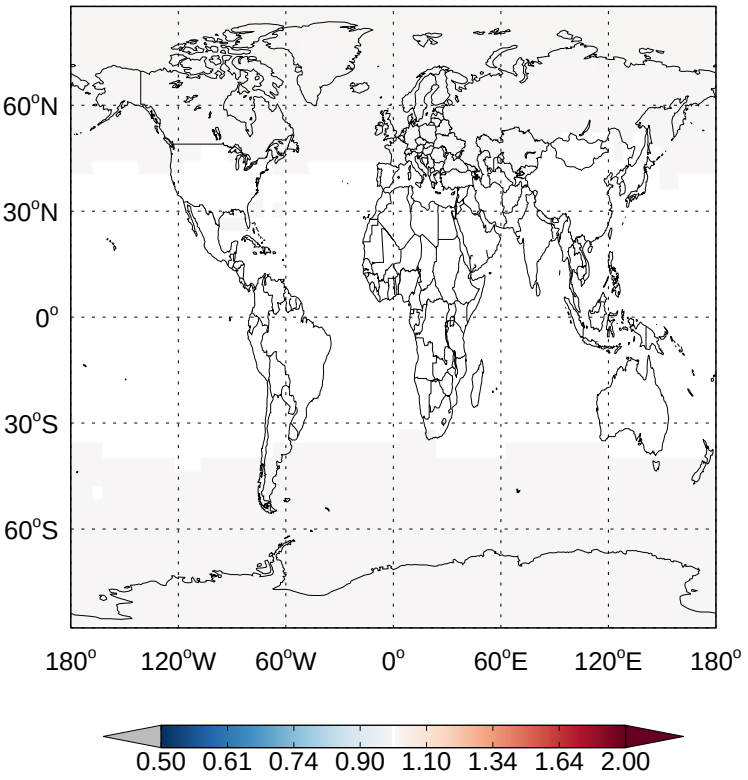
GC_12.0.0 / v11-02f-Run1

CH4 / Ratio @ Surface for Jul



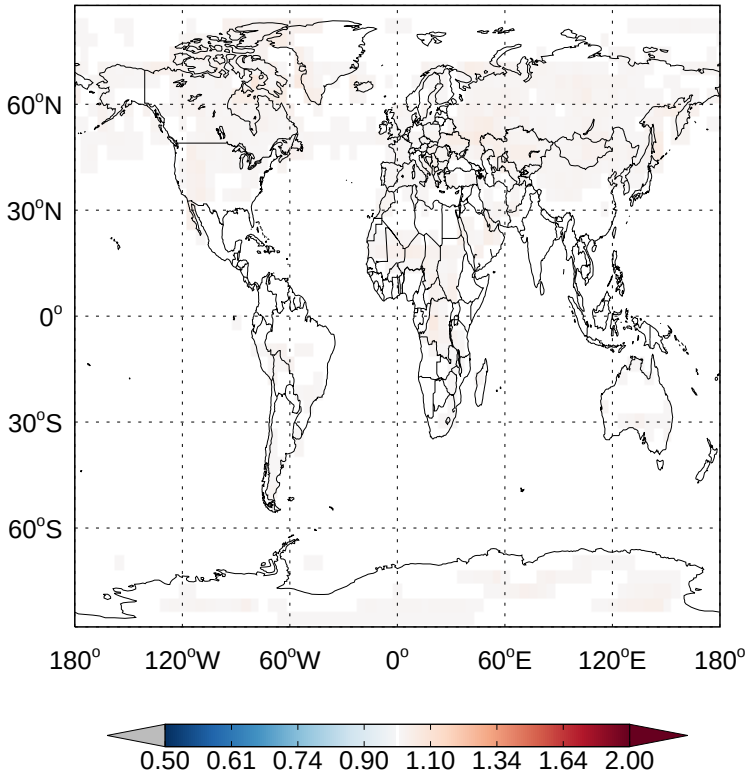
GC_12.0.0 / v11-02f-Run1

CH4/ Ratio @ 500 hPa for Jul



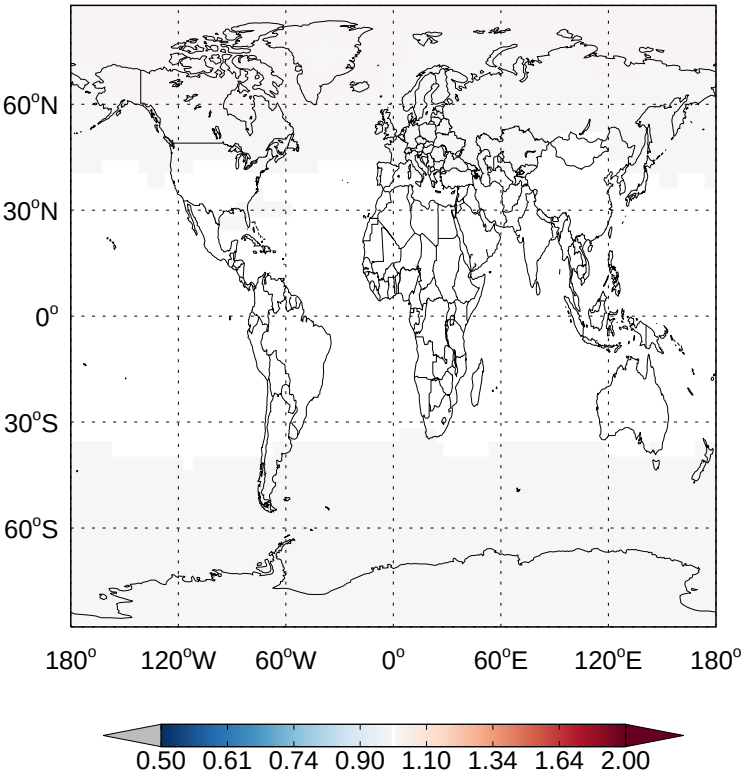
GC_12.0.0 / v11-02e-Run1

CH4 / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

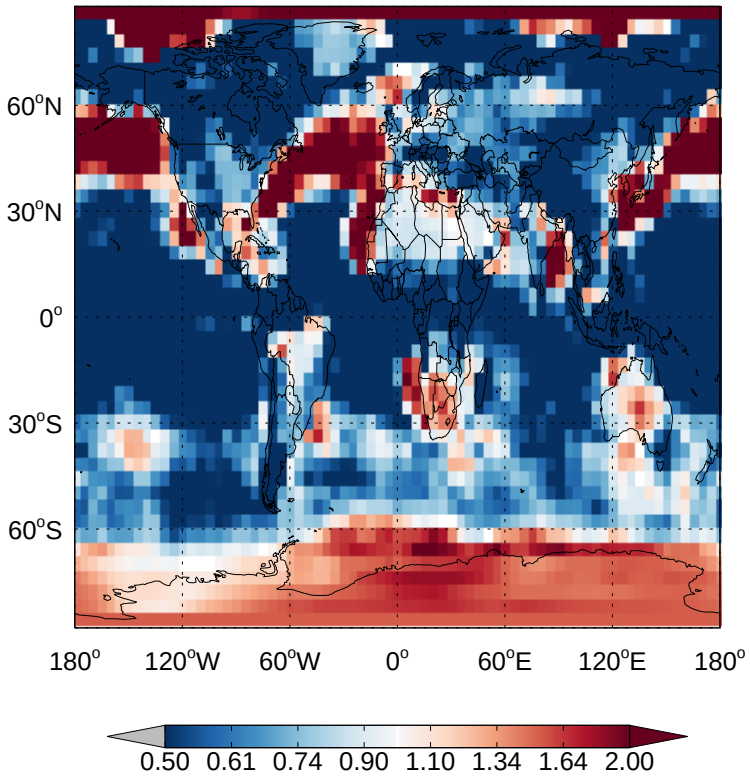
CH4/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

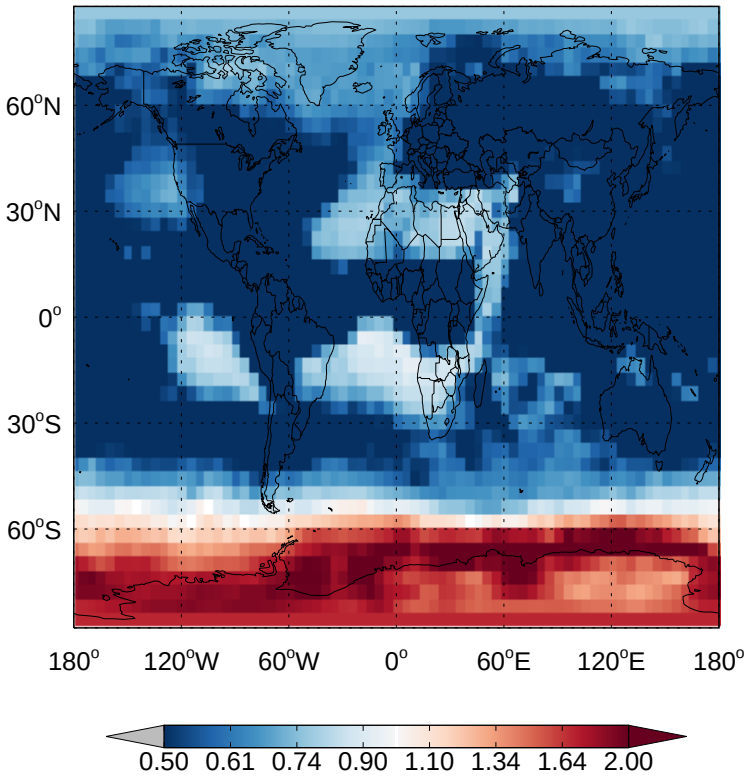
GC_12.0.0 / v11-02f-Run1

BrCl / Ratio @ Surface for Jul



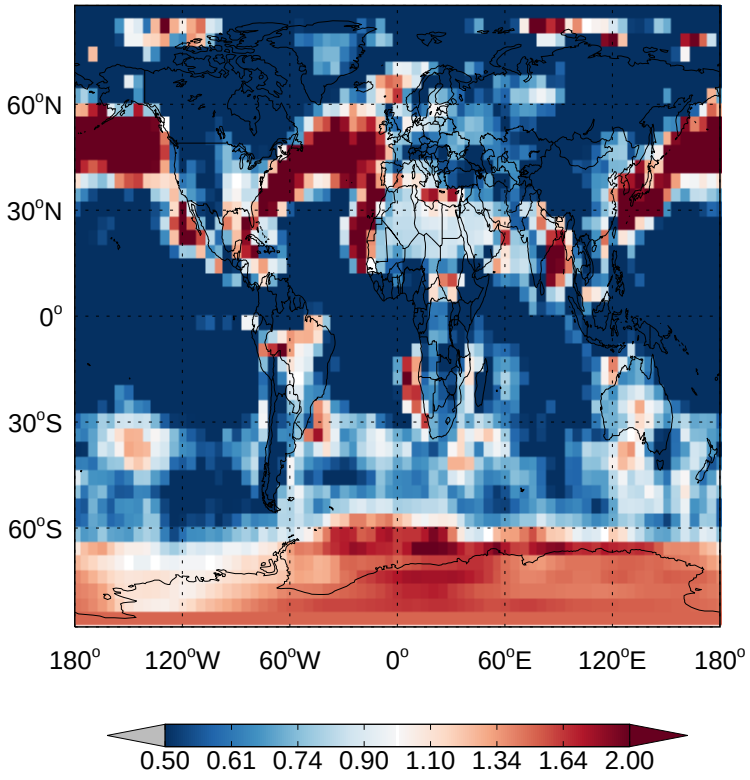
GC_12.0.0 / v11-02f-Run1

BrCl/ Ratio @ 500 hPa for Jul



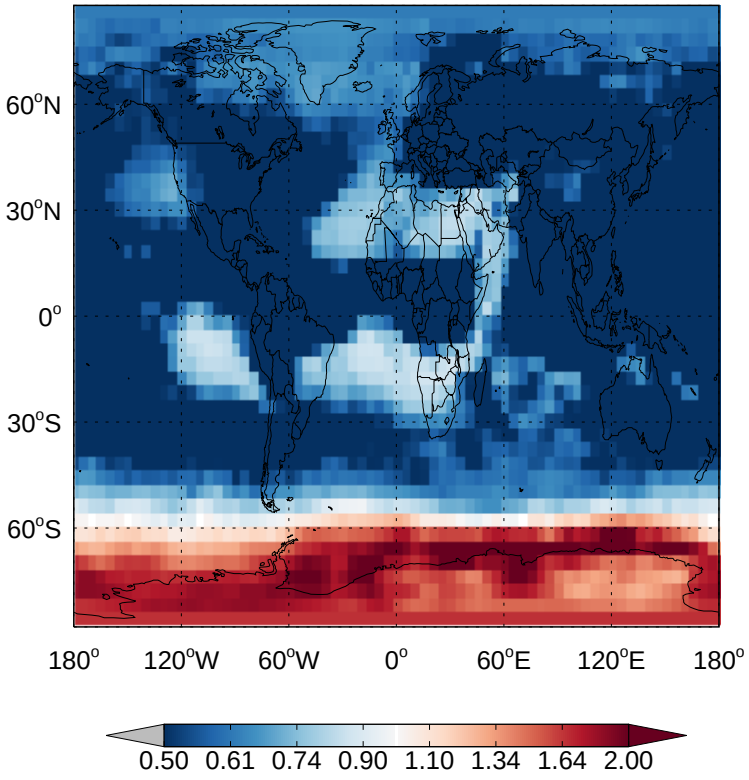
GC_12.0.0 / v11-02e-Run1

BrCl / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

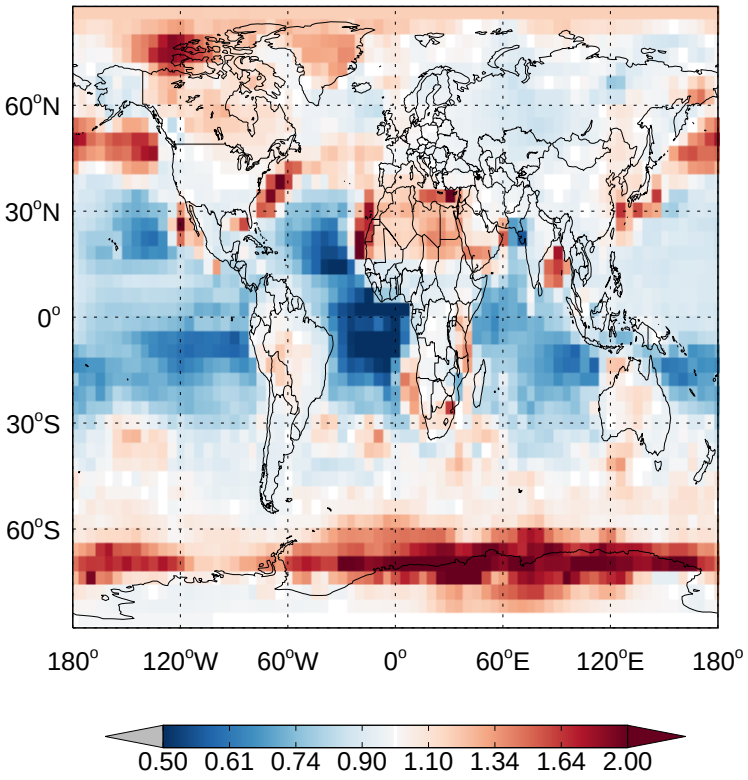
BrCl/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

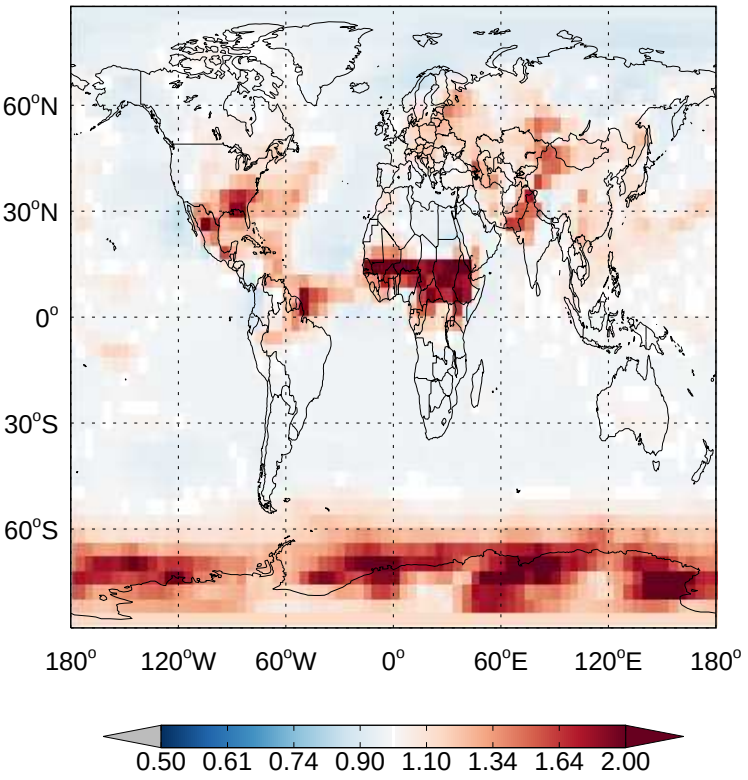
GC_12.0.0 / v11-02f-Run1

HCl / Ratio @ Surface for Jul



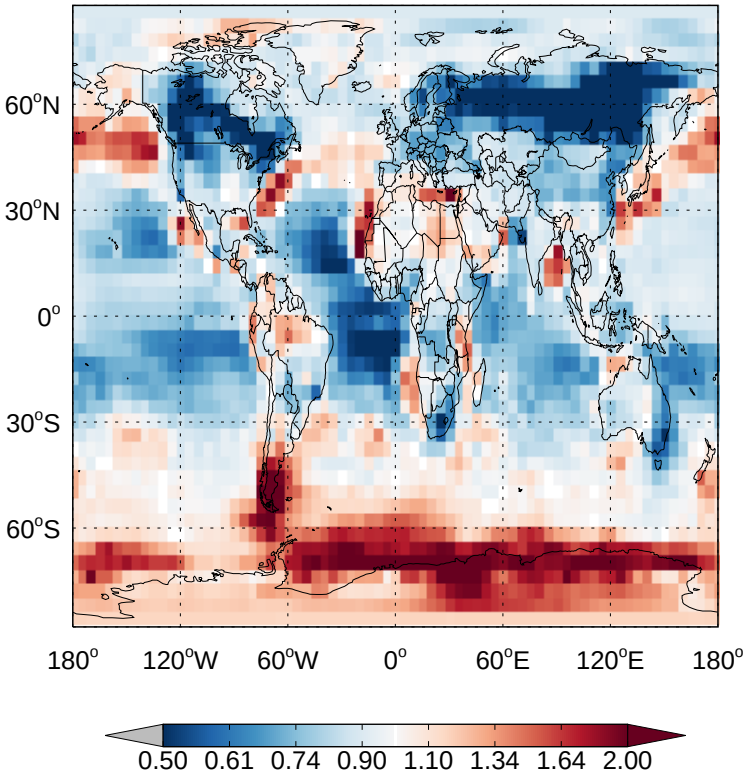
GC_12.0.0 / v11-02f-Run1

HCl/ Ratio @ 500 hPa for Jul



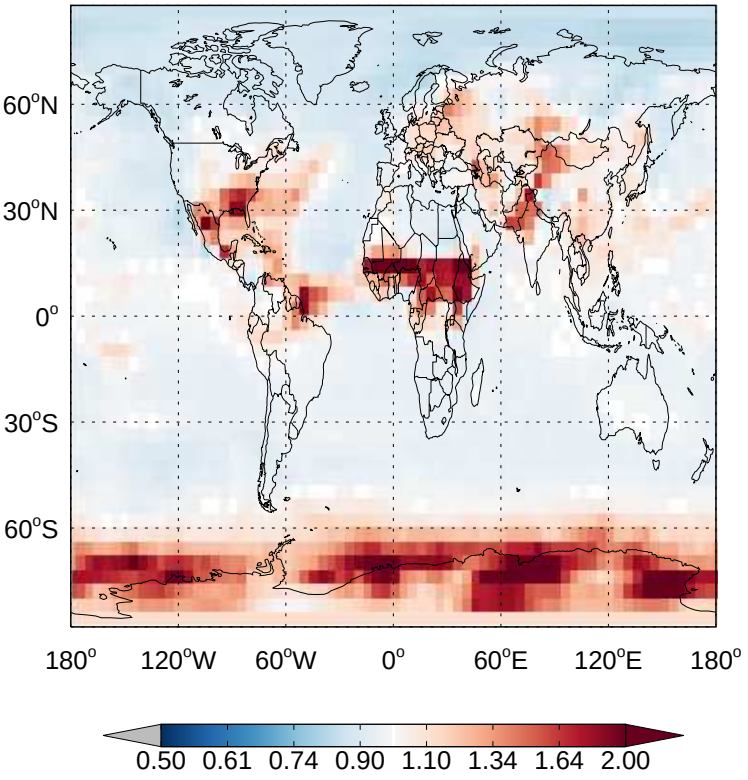
GC_12.0.0 / v11-02e-Run1

HCl / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

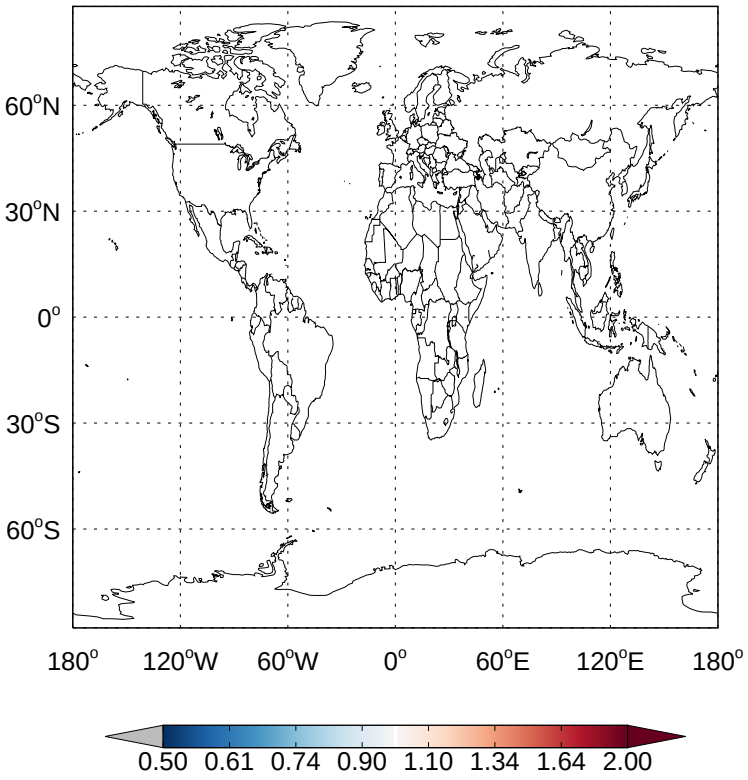
HCl/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

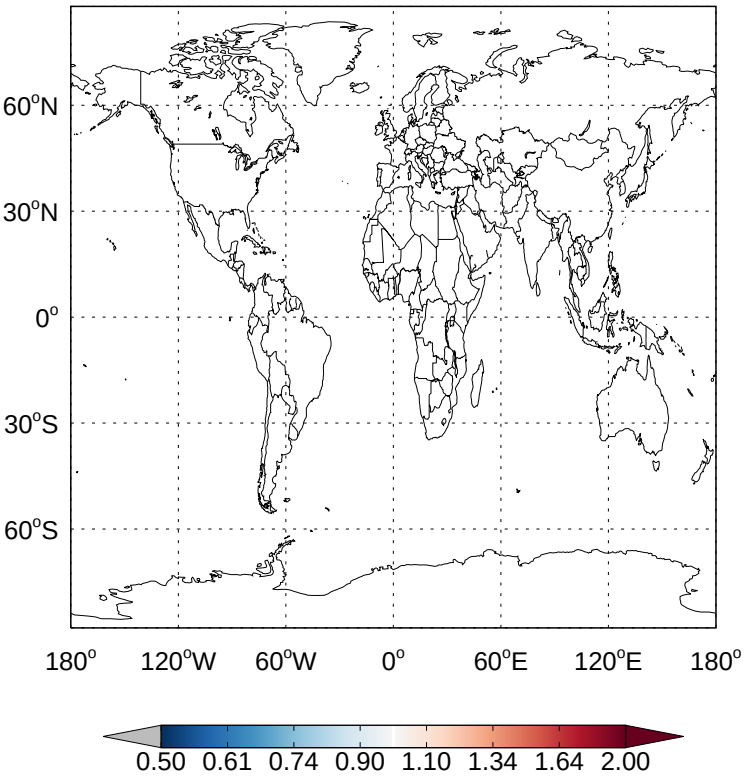
GC_12.0.0 / v11-02f-Run1

CCl4 / Ratio @ Surface for Jul



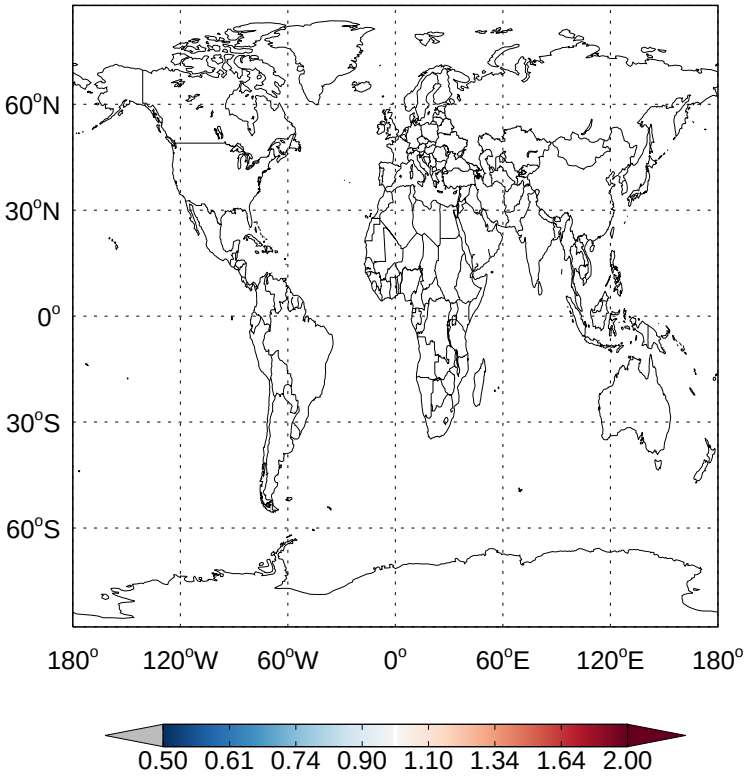
GC_12.0.0 / v11-02f-Run1

CCl4/ Ratio @ 500 hPa for Jul



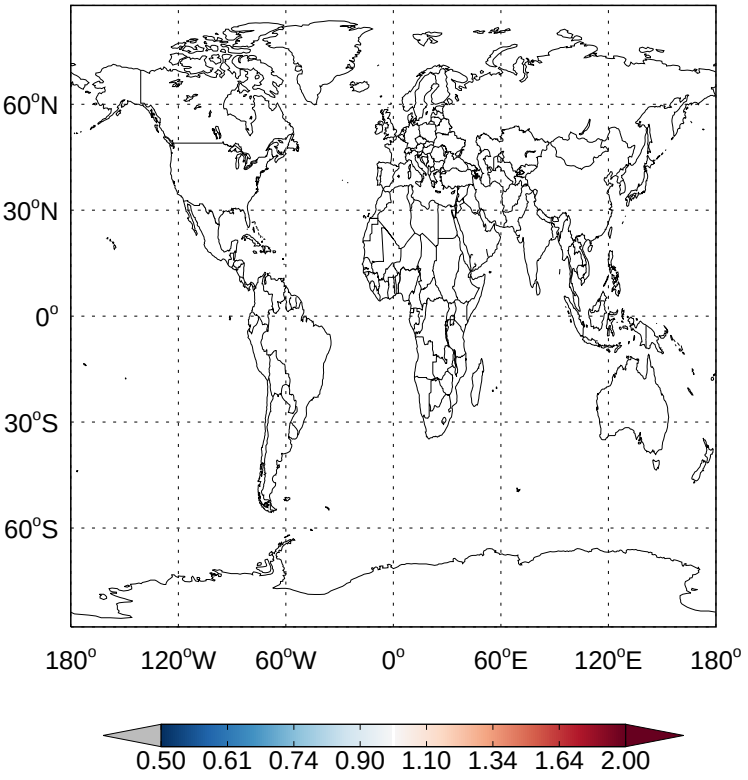
GC_12.0.0 / v11-02e-Run1

CCl4 / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

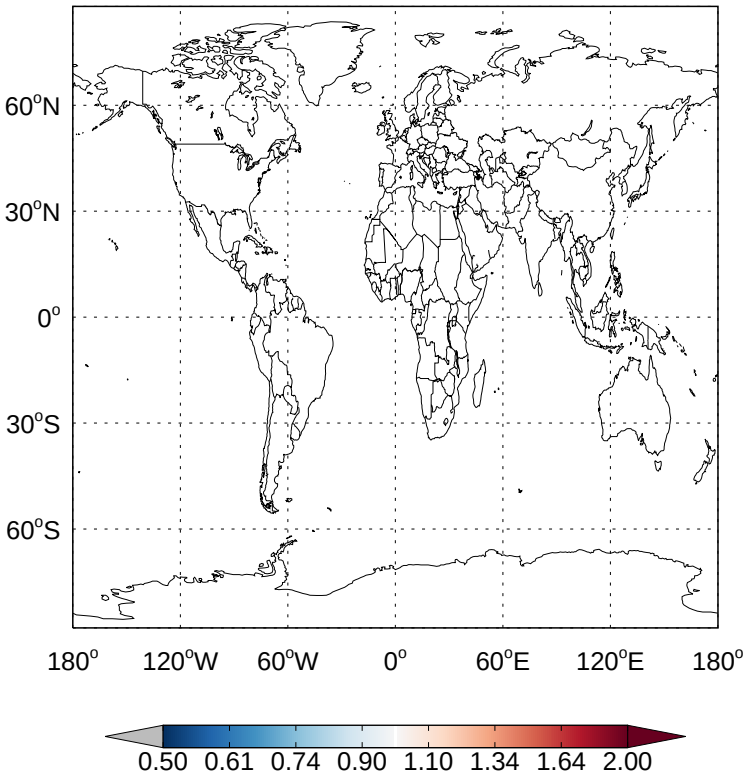
CCl4/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

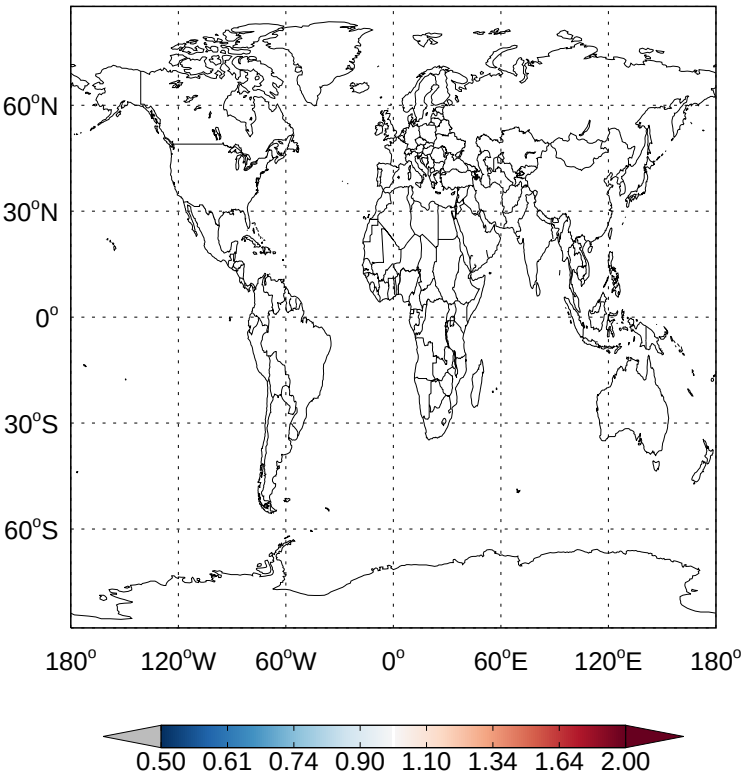
GC_12.0.0 / v11-02f-Run1

CH3Cl / Ratio @ Surface for Jul



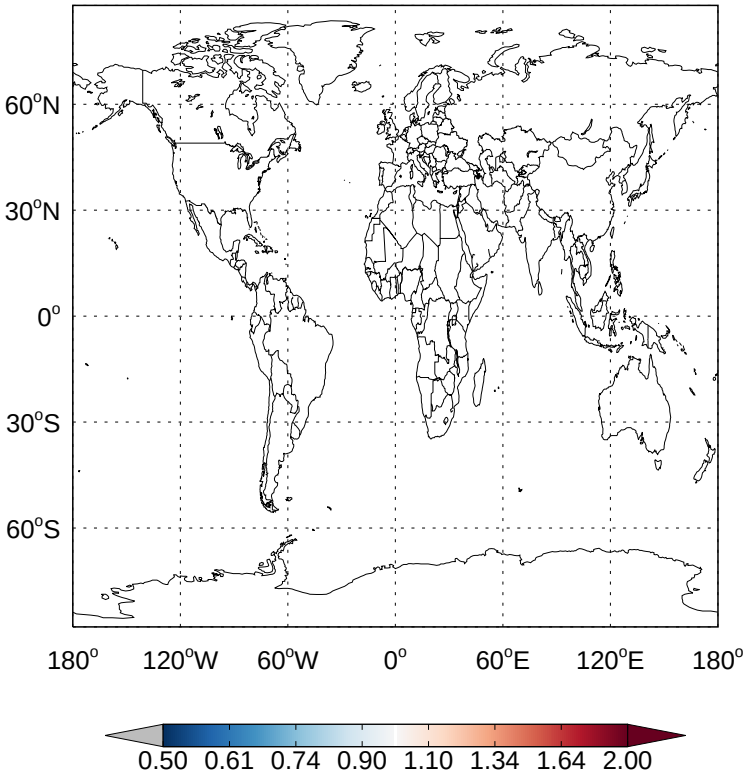
GC_12.0.0 / v11-02f-Run1

CH3Cl/ Ratio @ 500 hPa for Jul



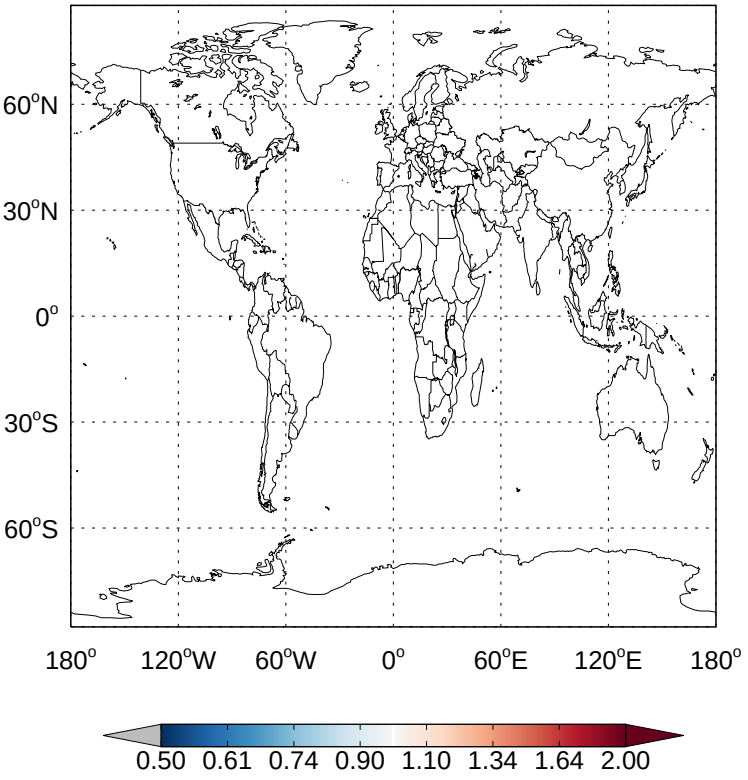
GC_12.0.0 / v11-02e-Run1

CH3Cl / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

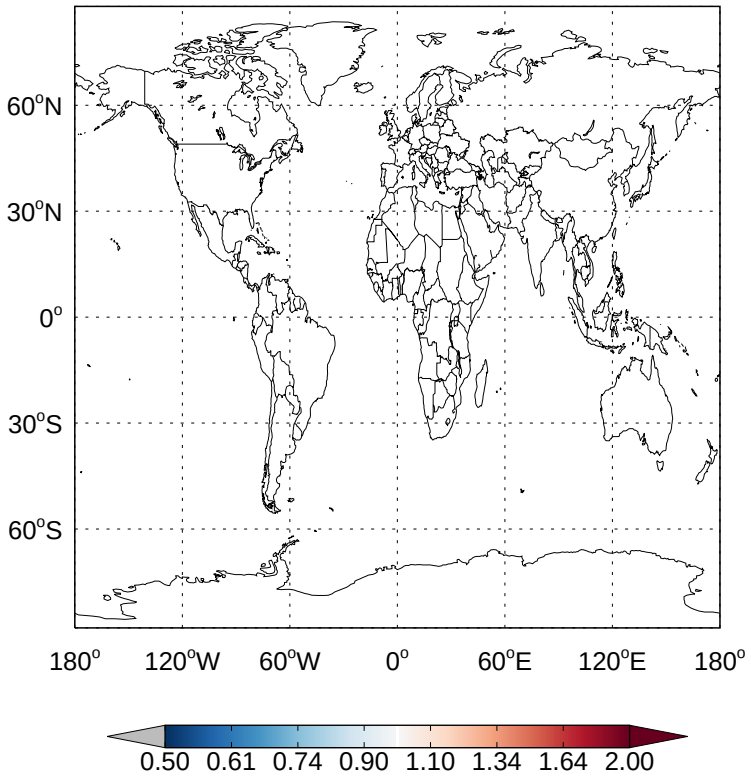
CH3Cl/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

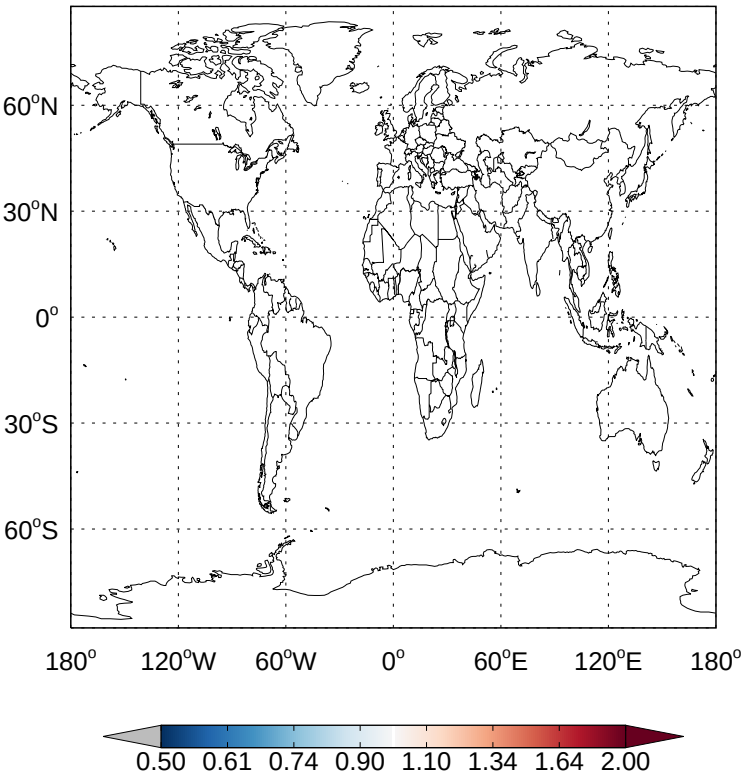
GC_12.0.0 / v11-02f-Run1

CH3CCl3 / Ratio @ Surface for Jul



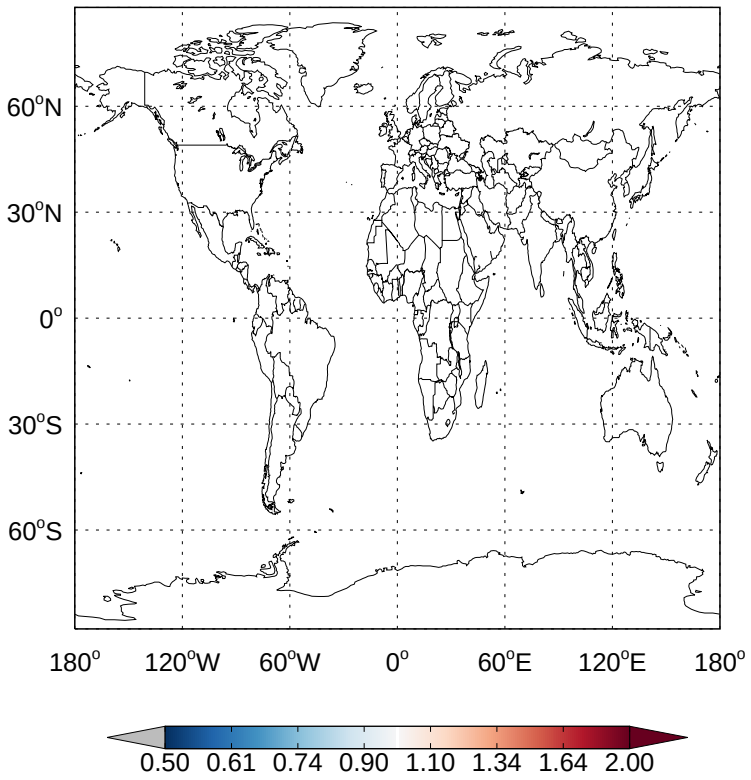
GC_12.0.0 / v11-02f-Run1

CH3CCl3/ Ratio @ 500 hPa for Jul



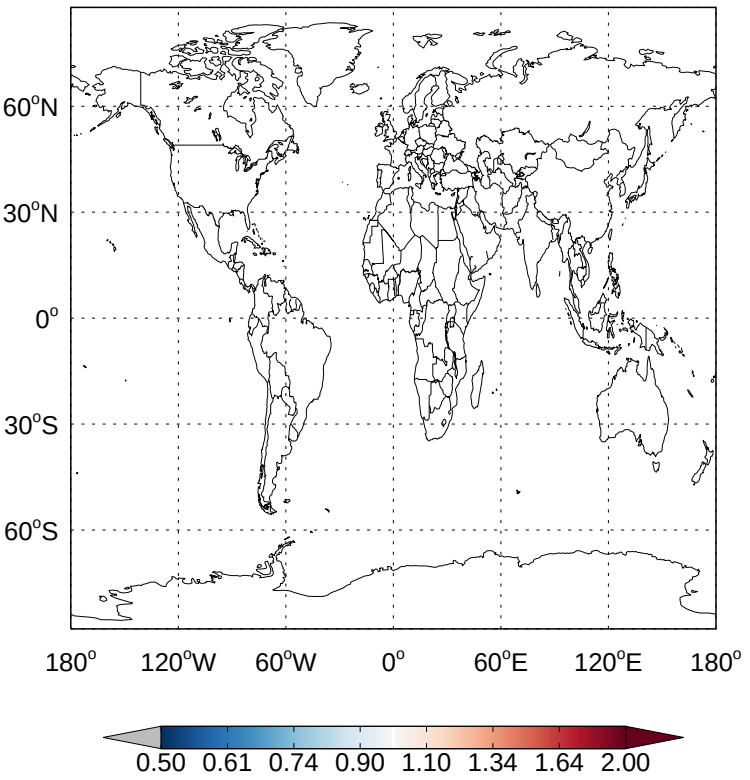
GC_12.0.0 / v11-02e-Run1

CH3CCl3 / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

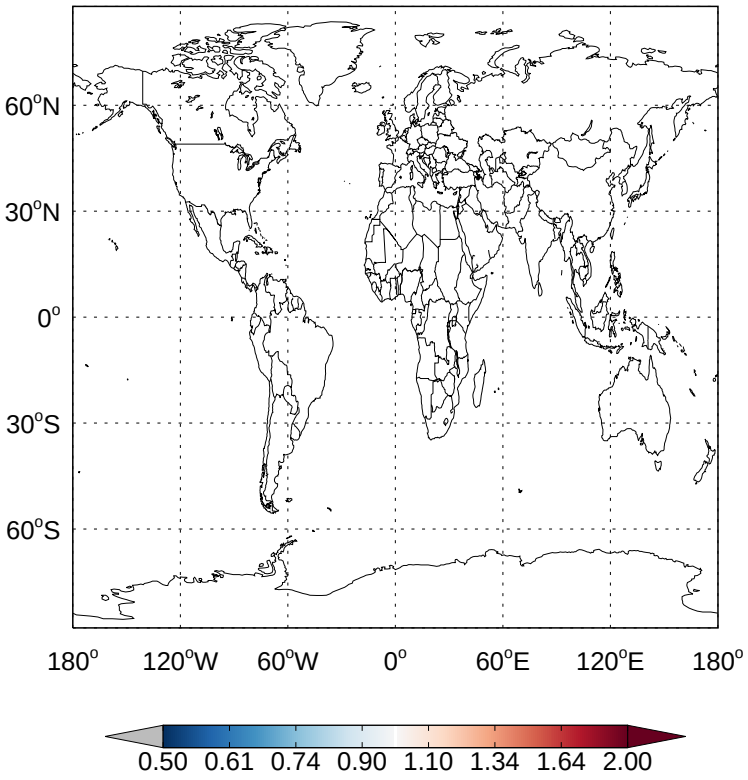
CH3CCl3/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

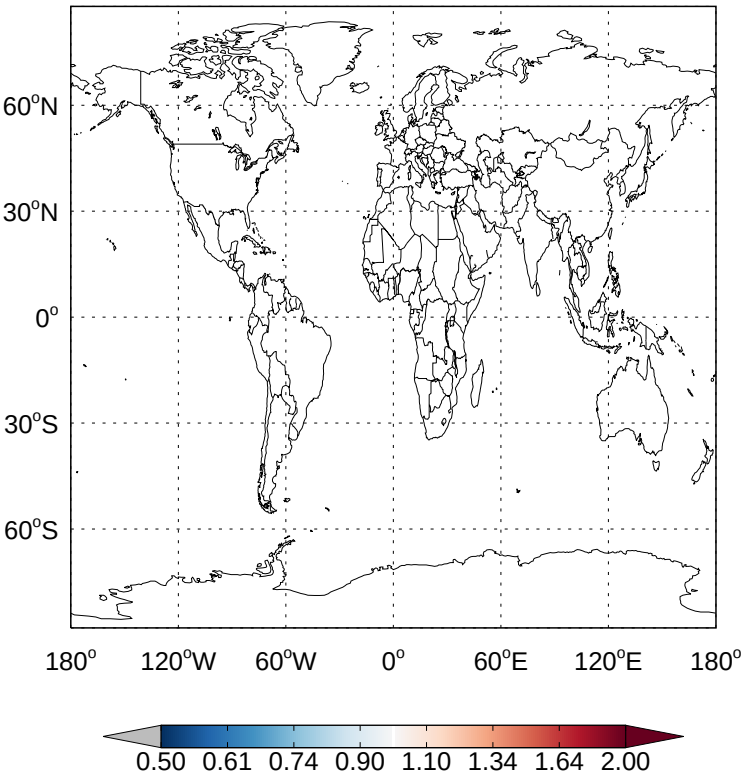
GC_12.0.0 / v11-02f-Run1

CFC113 / Ratio @ Surface for Jul



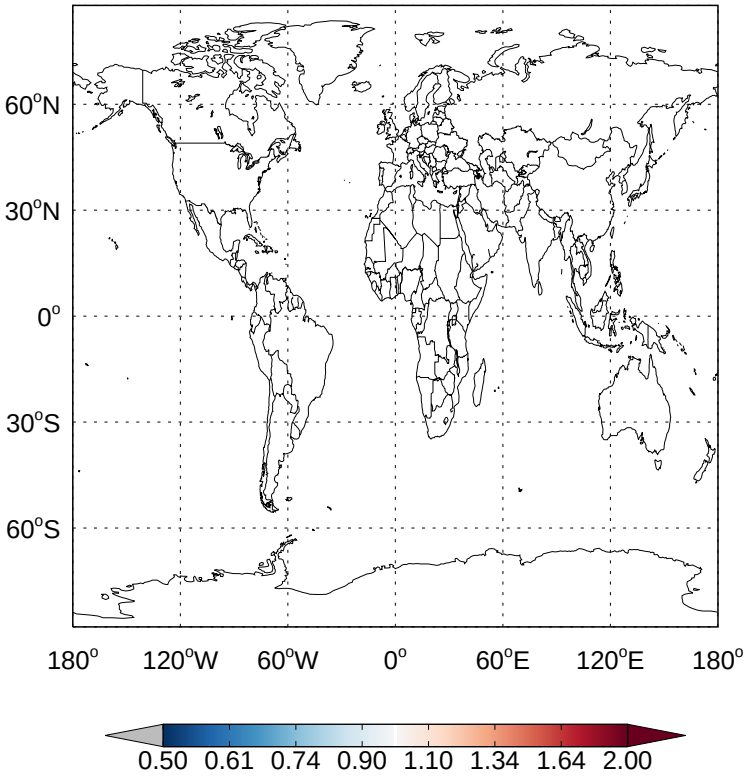
GC_12.0.0 / v11-02f-Run1

CFC113/ Ratio @ 500 hPa for Jul



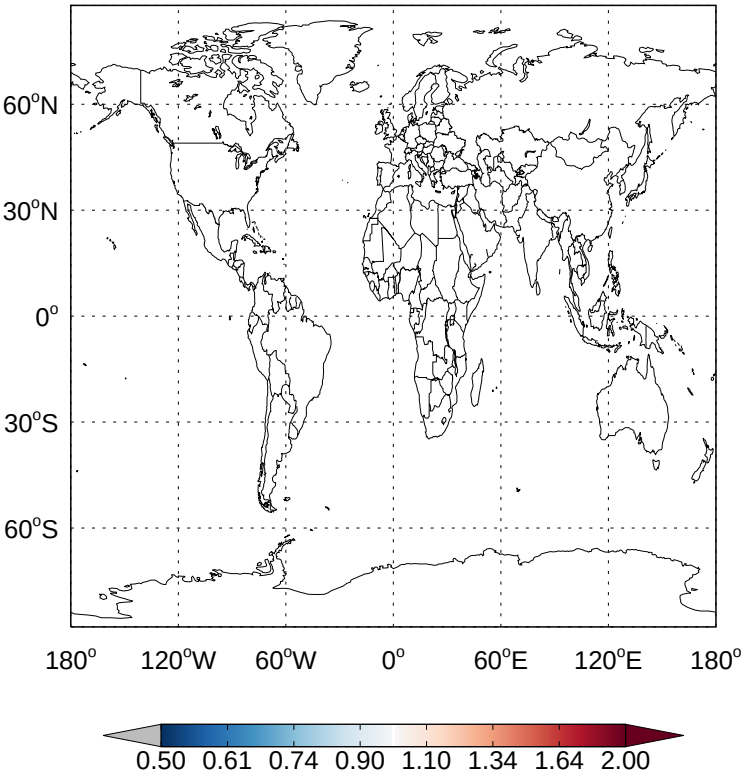
GC_12.0.0 / v11-02e-Run1

CFC113 / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

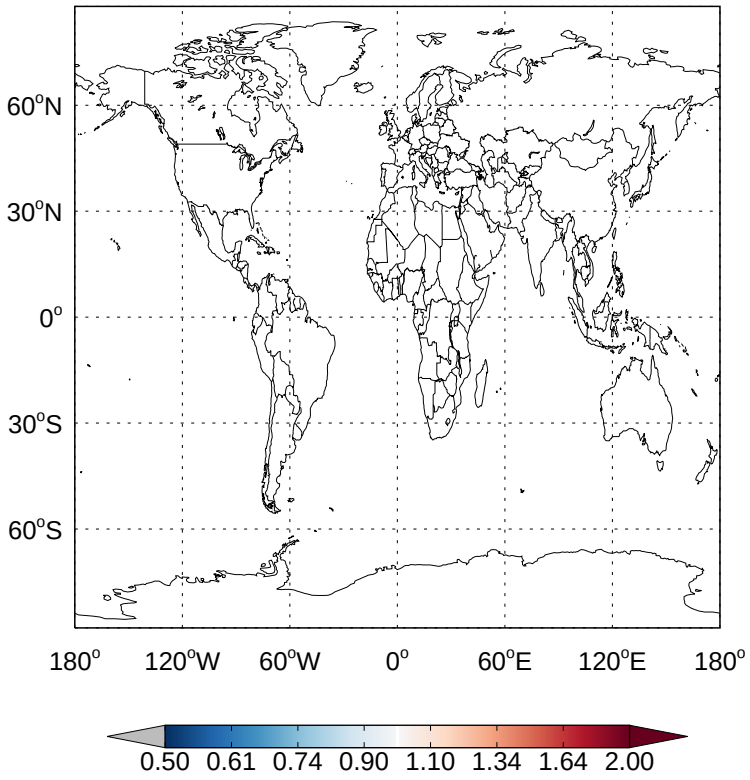
CFC113/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

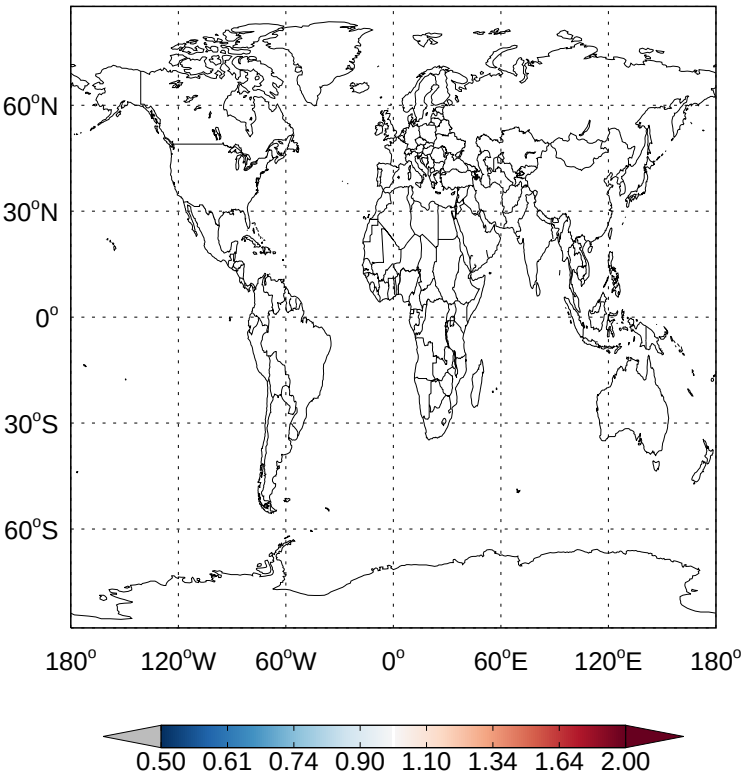
GC_12.0.0 / v11-02f-Run1

CFC114 / Ratio @ Surface for Jul



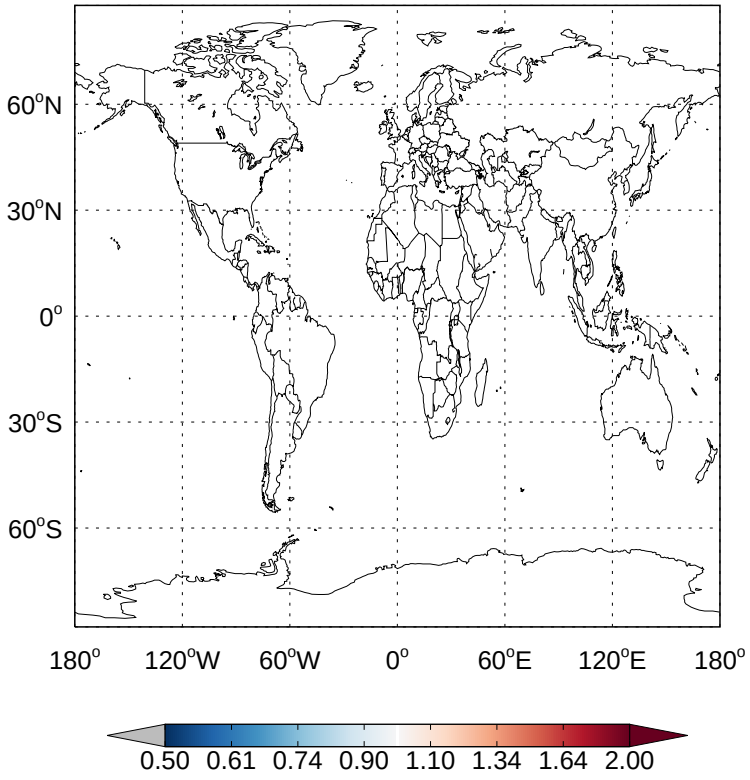
GC_12.0.0 / v11-02f-Run1

CFC114/ Ratio @ 500 hPa for Jul



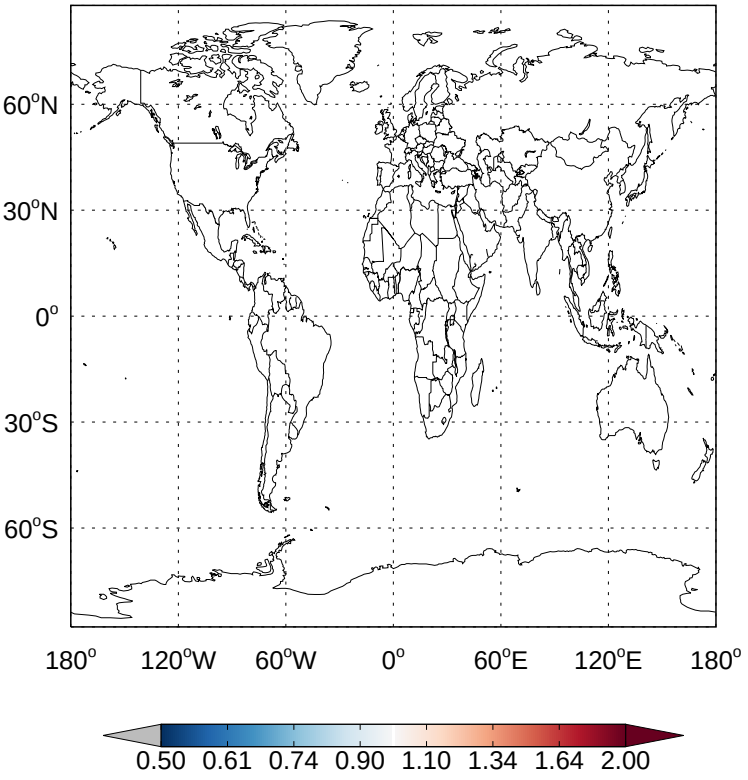
GC_12.0.0 / v11-02e-Run1

CFC114 / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

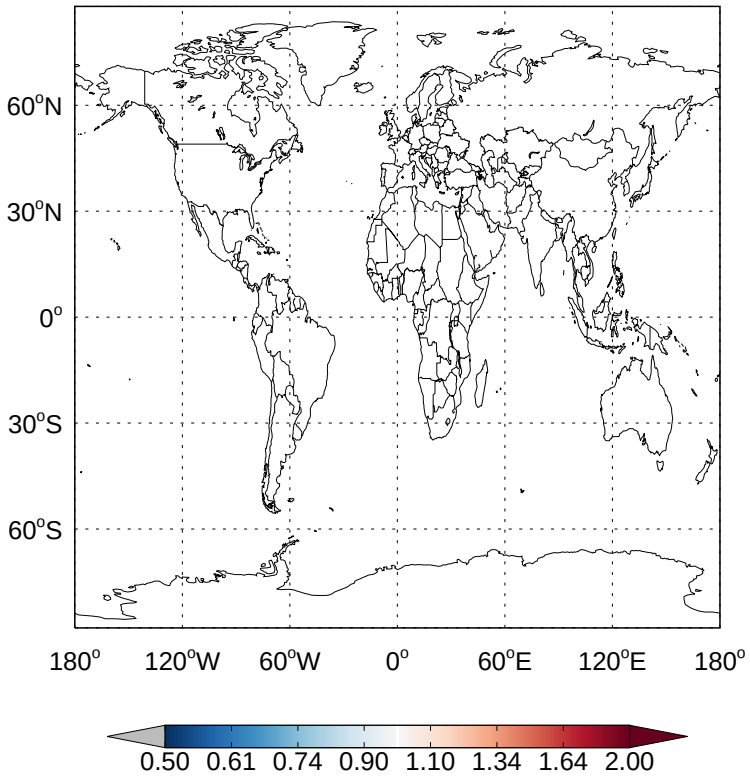
CFC114/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

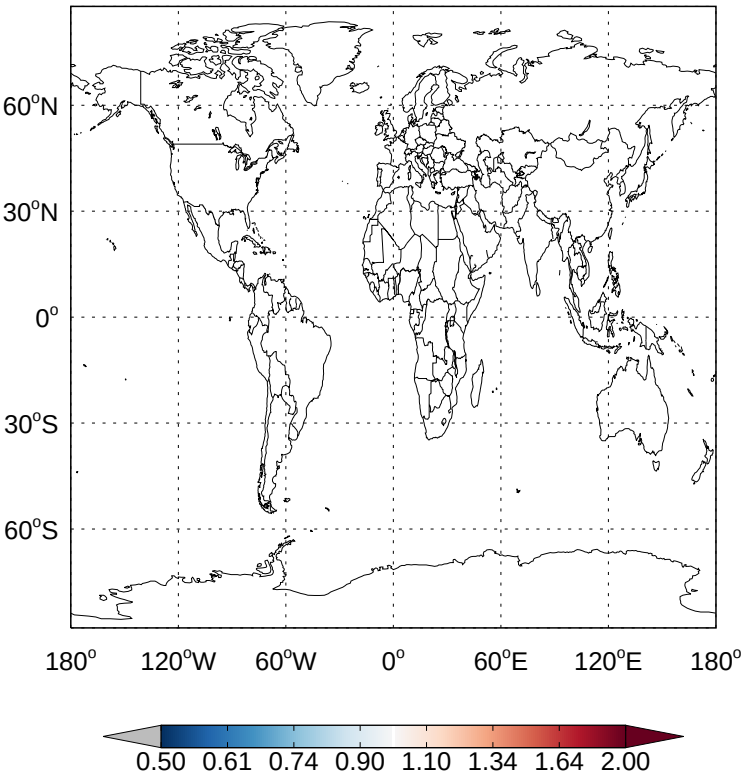
GC_12.0.0 / v11-02f-Run1

CFC115 / Ratio @ Surface for Jul



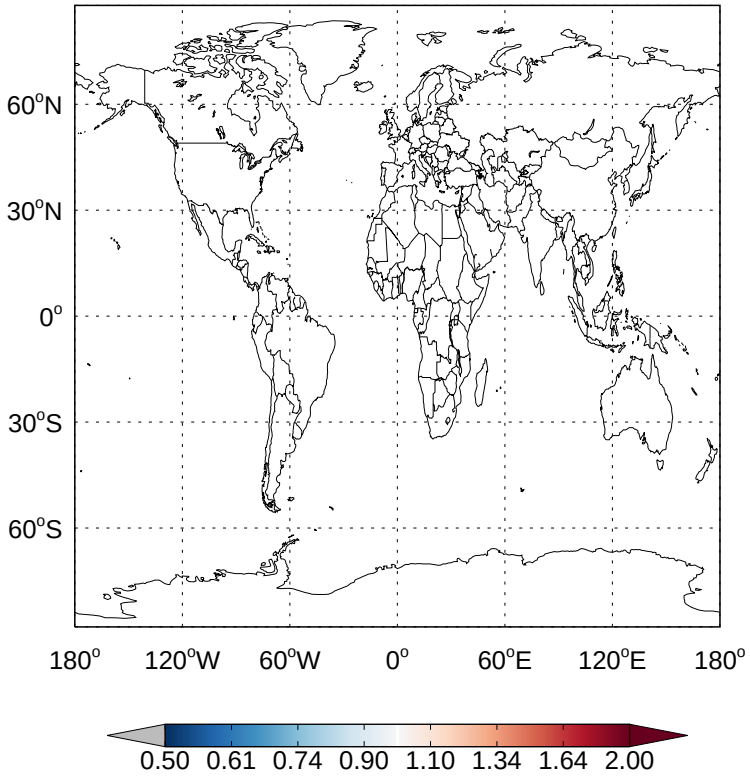
GC_12.0.0 / v11-02f-Run1

CFC115/ Ratio @ 500 hPa for Jul



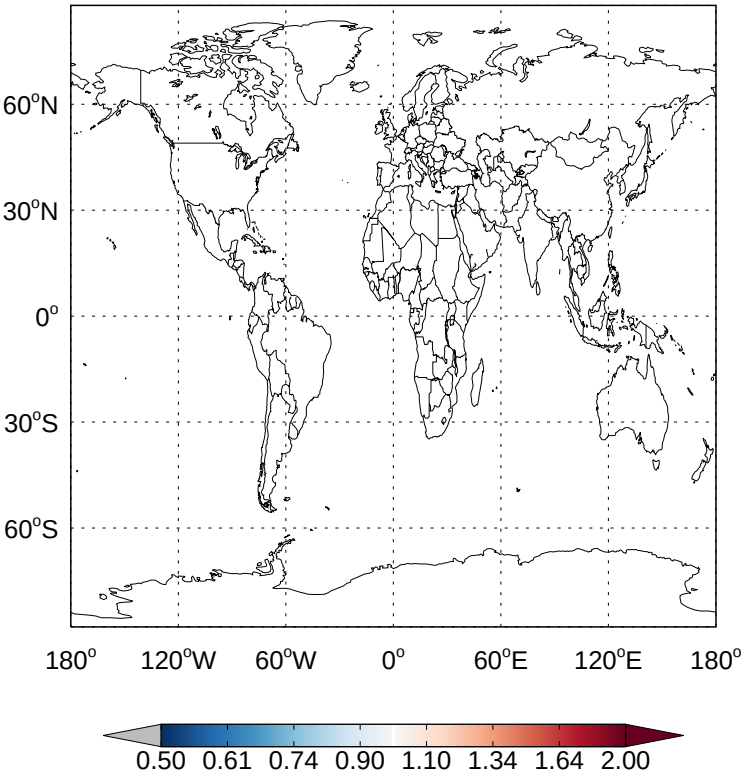
GC_12.0.0 / v11-02e-Run1

CFC115 / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

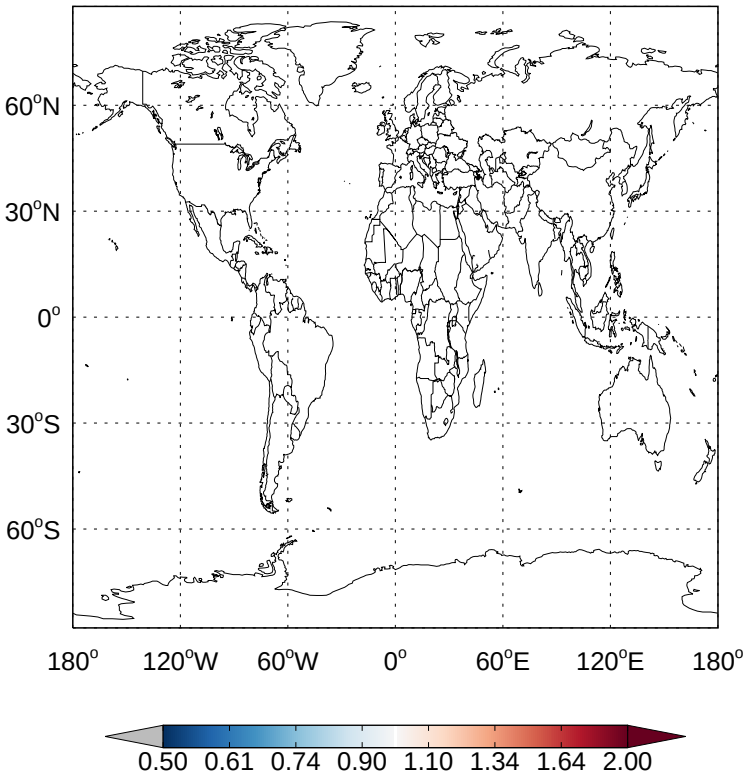
CFC115/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

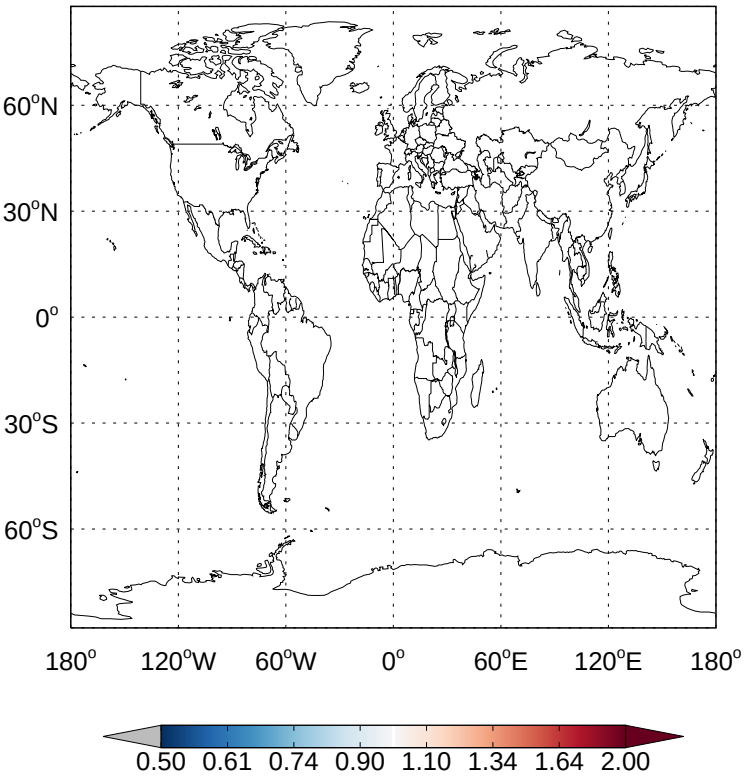
GC_12.0.0 / v11-02f-Run1

HCFC123 / Ratio @ Surface for Jul



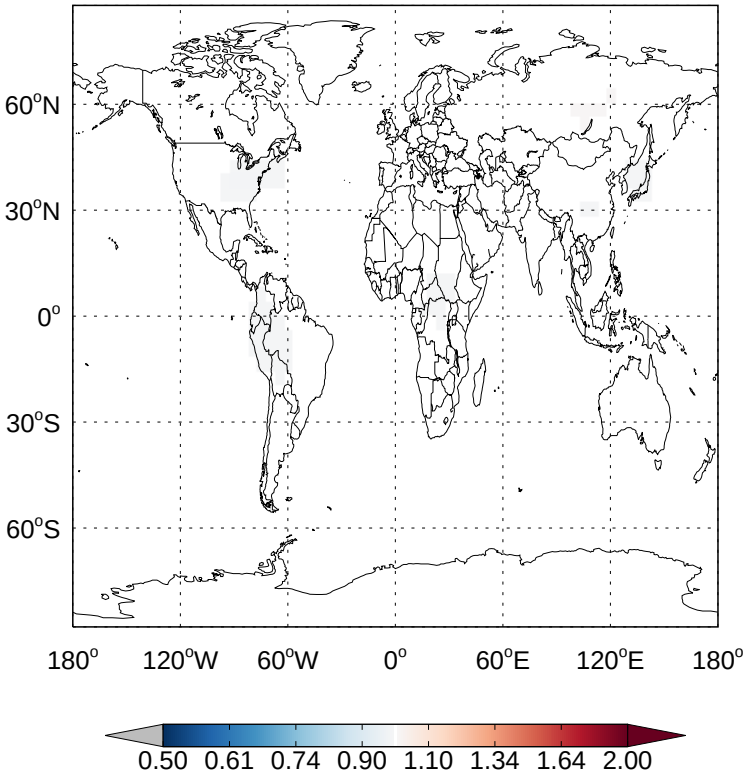
GC_12.0.0 / v11-02f-Run1

HCFC123/ Ratio @ 500 hPa for Jul



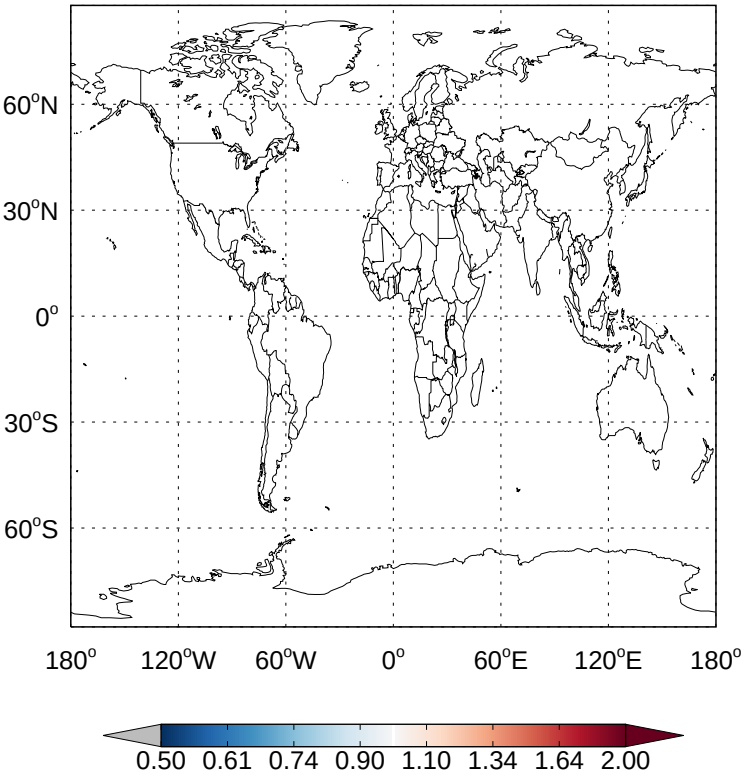
GC_12.0.0 / v11-02e-Run1

HCFC123 / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

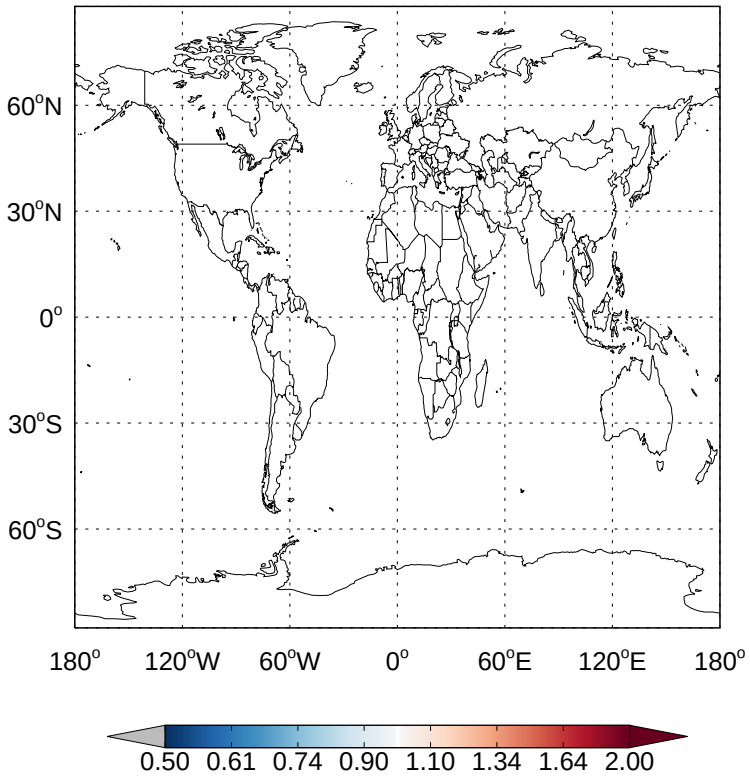
HCFC123/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

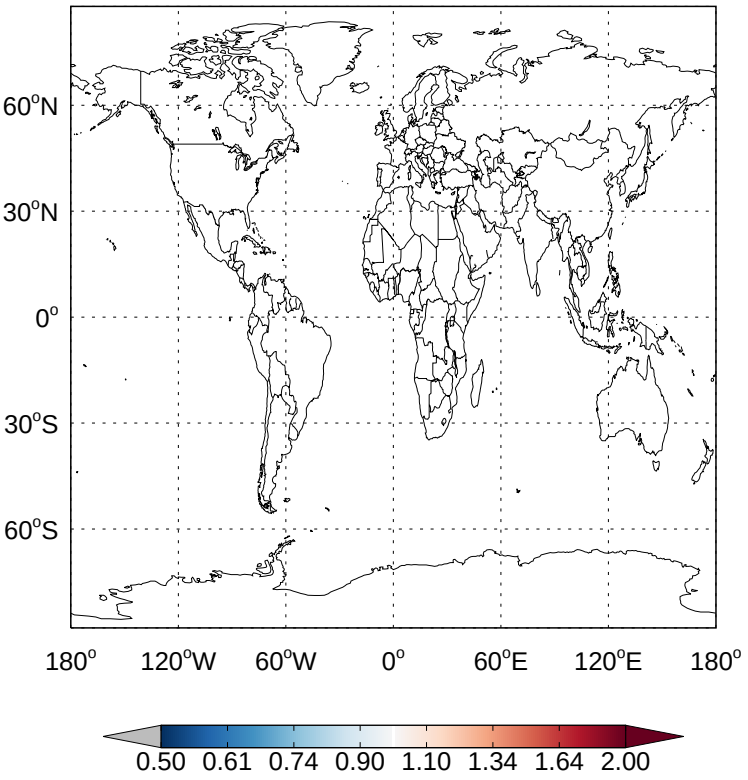
GC_12.0.0 / v11-02f-Run1

HCFC141b / Ratio @ Surface for Jul



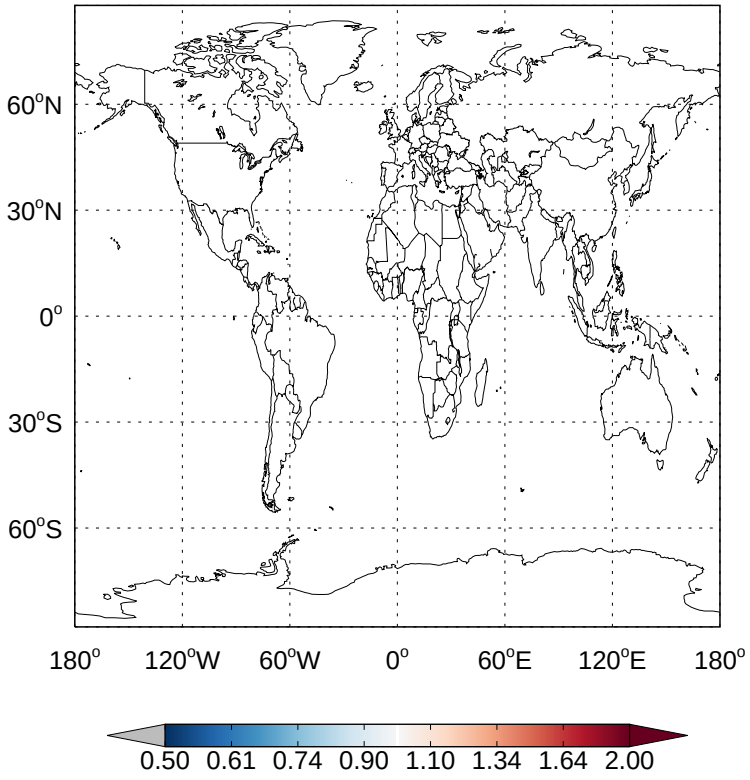
GC_12.0.0 / v11-02f-Run1

HCFC141b/ Ratio @ 500 hPa for Jul



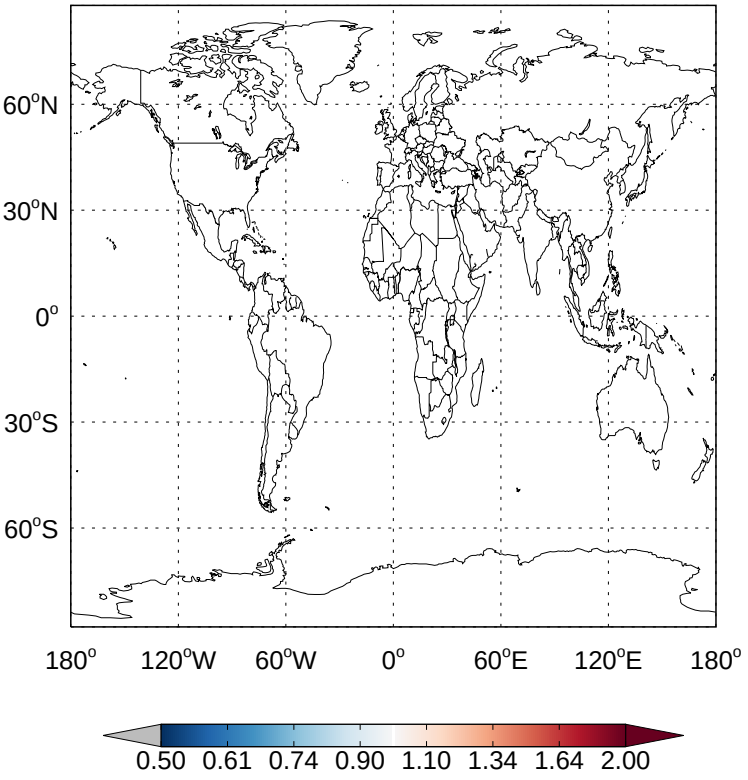
GC_12.0.0 / v11-02e-Run1

HCFC141b / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

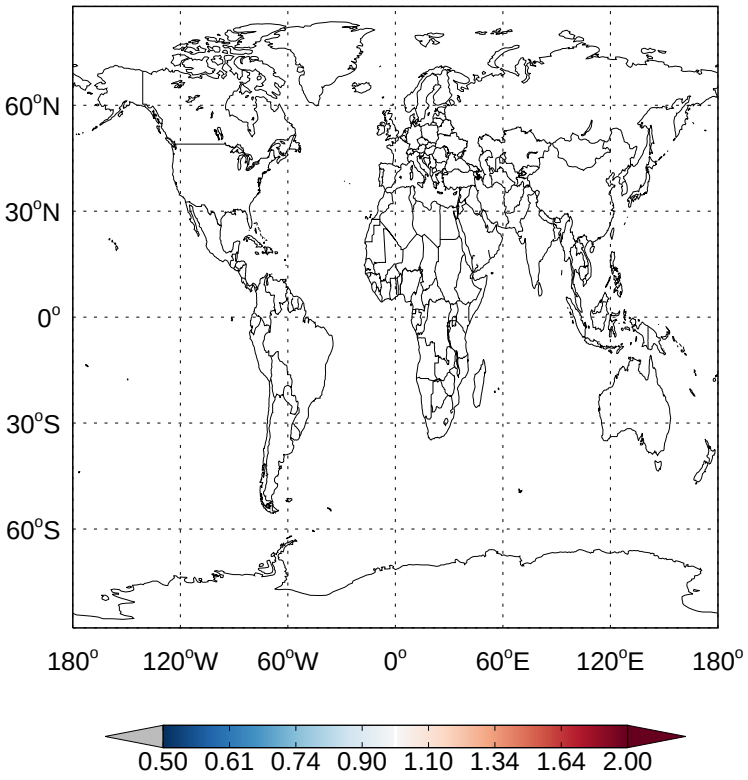
HCFC141b/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

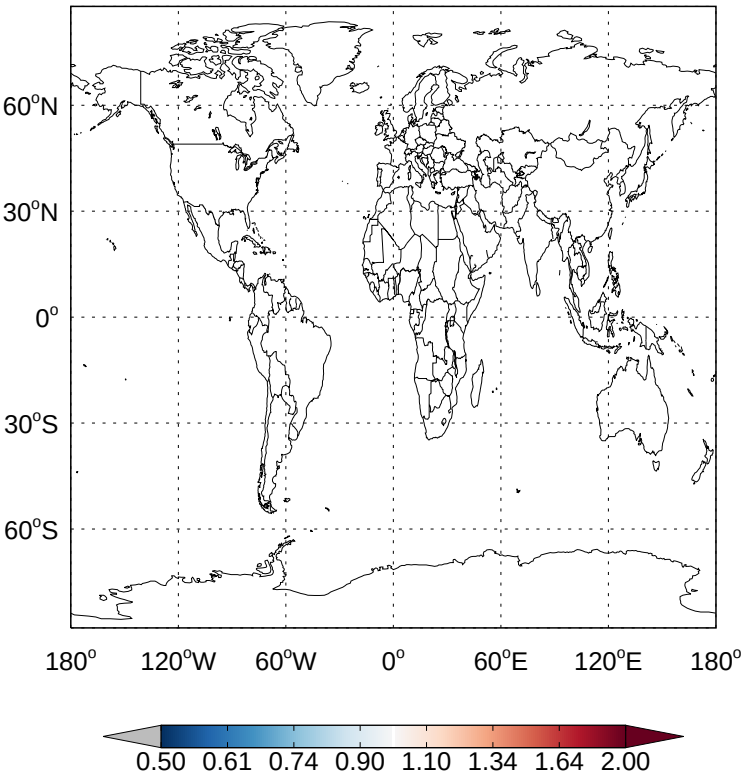
GC_12.0.0 / v11-02f-Run1

HCFC142b / Ratio @ Surface for Jul



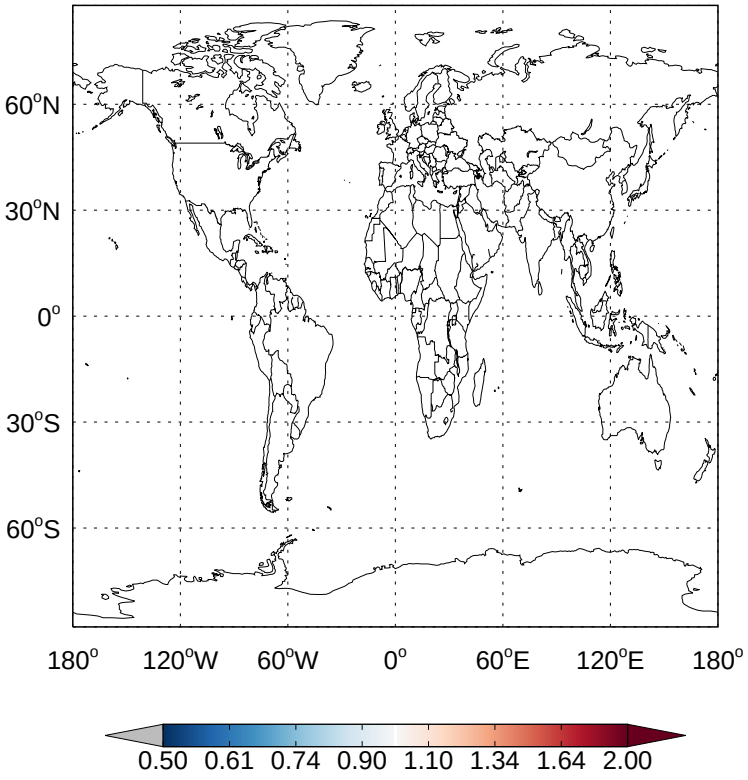
GC_12.0.0 / v11-02f-Run1

HCFC142b/ Ratio @ 500 hPa for Jul



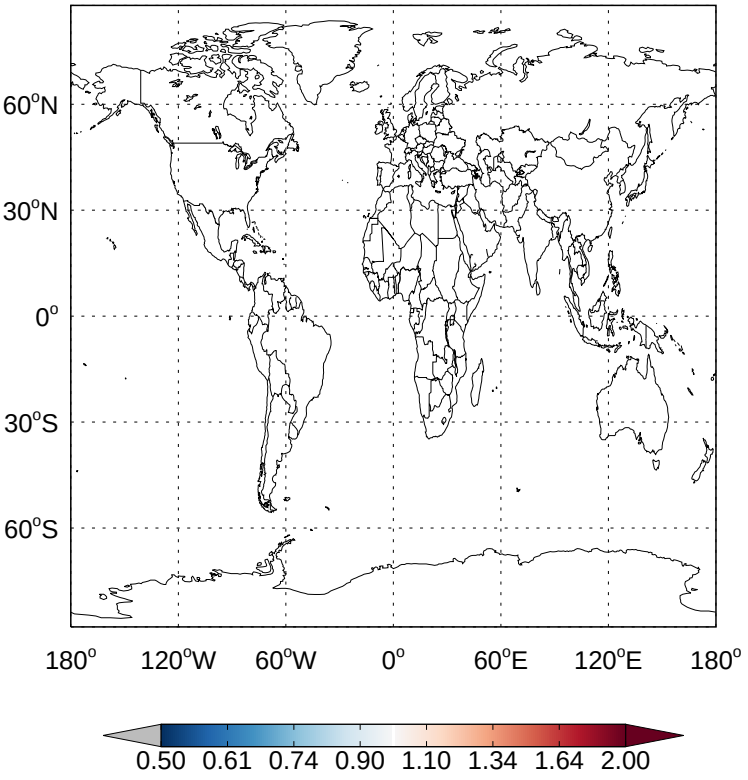
GC_12.0.0 / v11-02e-Run1

HCFC142b / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

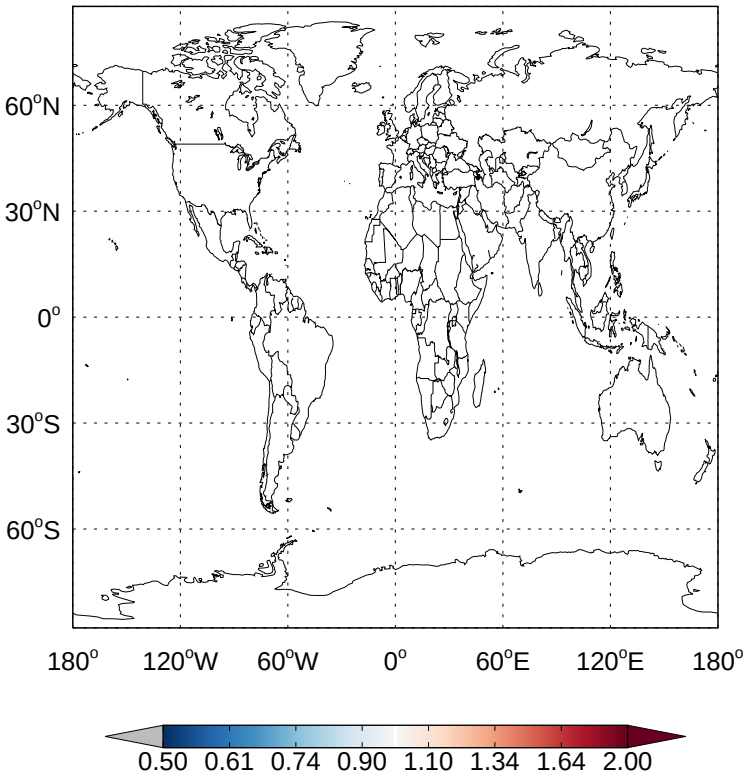
HCFC142b/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

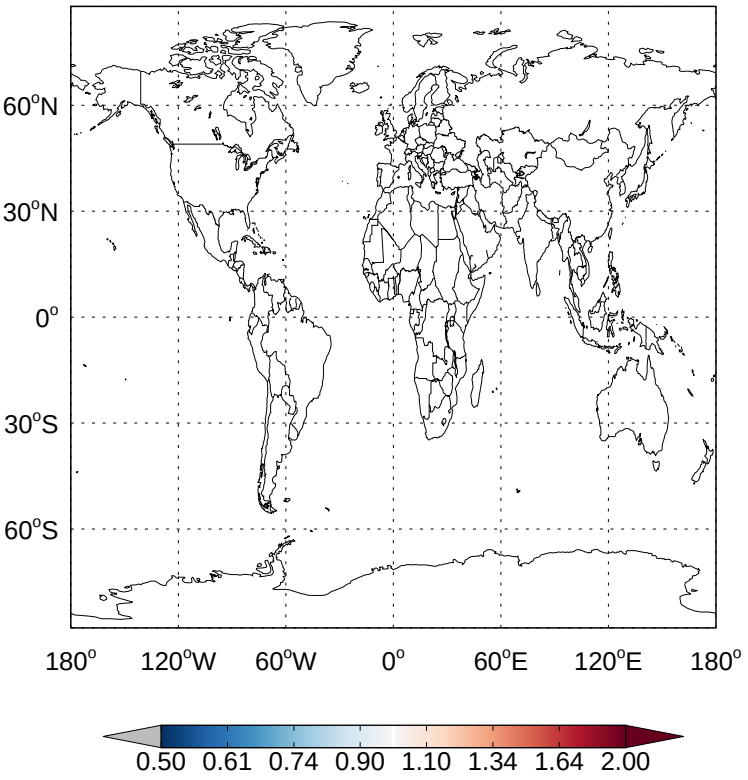
GC_12.0.0 / v11-02f-Run1

CFC11 / Ratio @ Surface for Jul



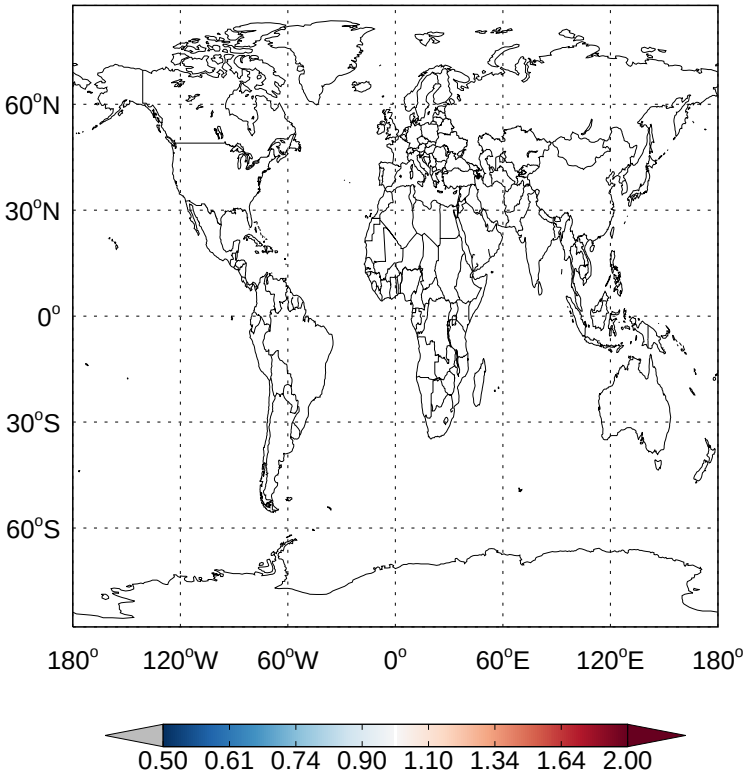
GC_12.0.0 / v11-02f-Run1

CFC11/ Ratio @ 500 hPa for Jul



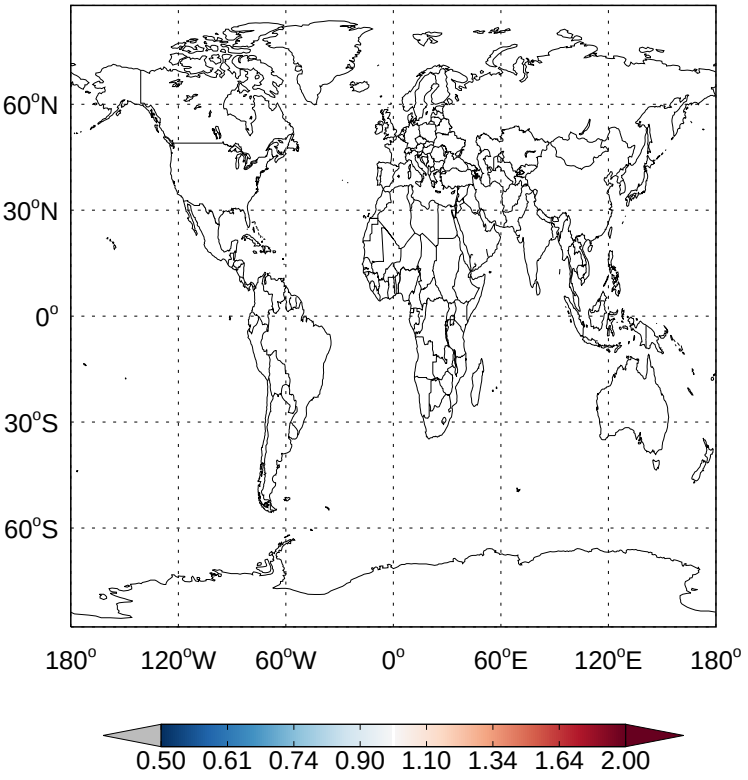
GC_12.0.0 / v11-02e-Run1

CFC11 / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

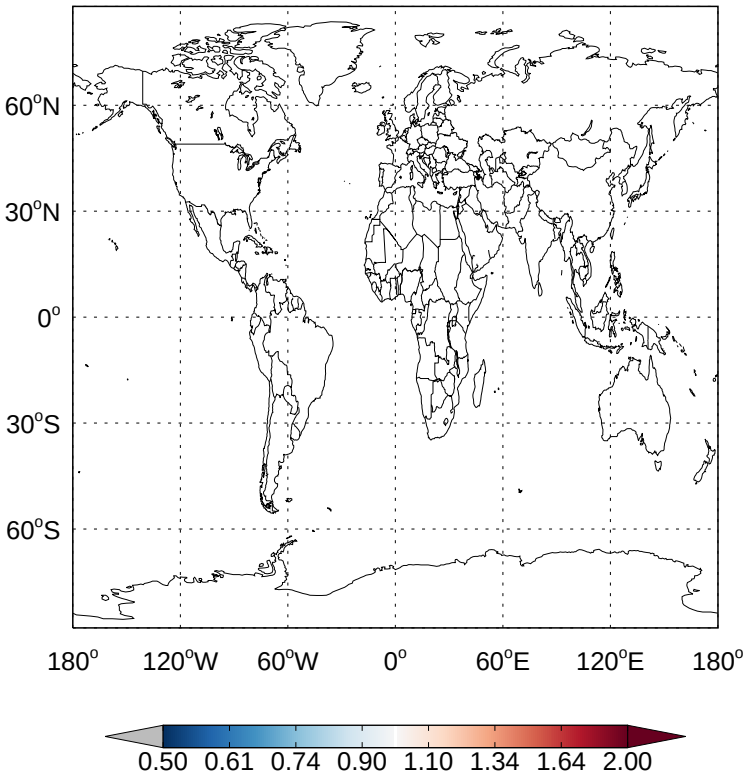
CFC11/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

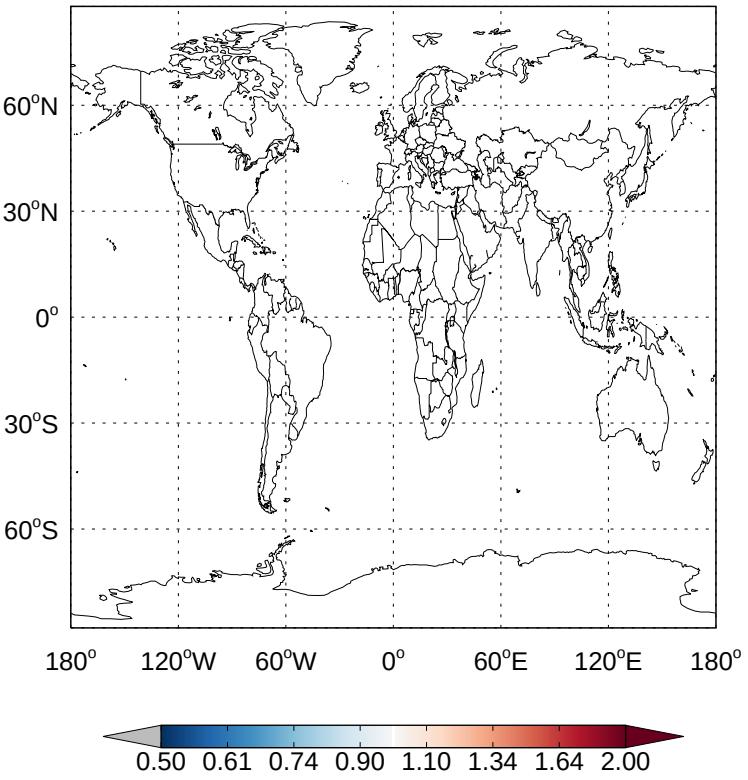
GC_12.0.0 / v11-02f-Run1

CFC12 / Ratio @ Surface for Jul



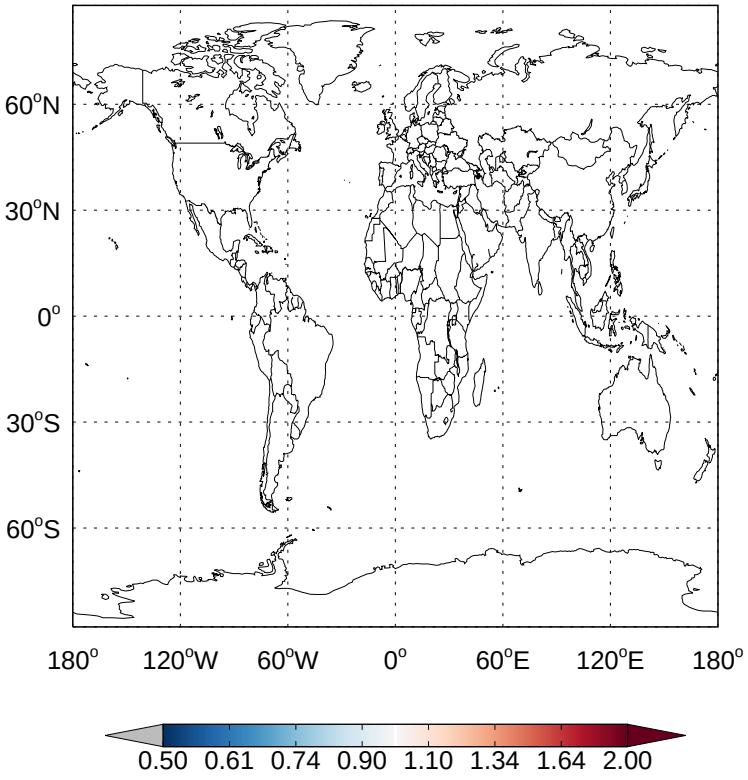
GC_12.0.0 / v11-02f-Run1

CFC12/ Ratio @ 500 hPa for Jul



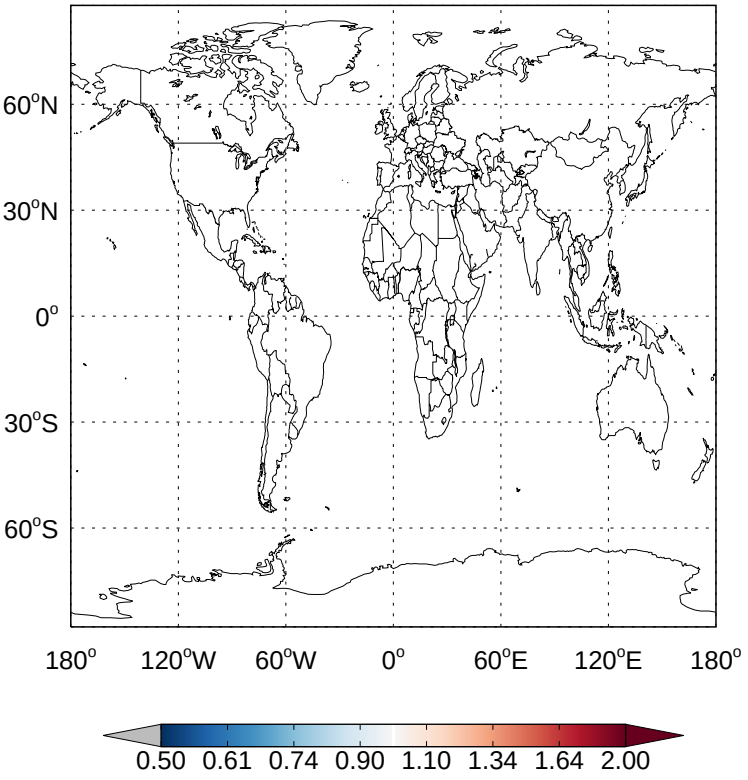
GC_12.0.0 / v11-02e-Run1

CFC12 / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

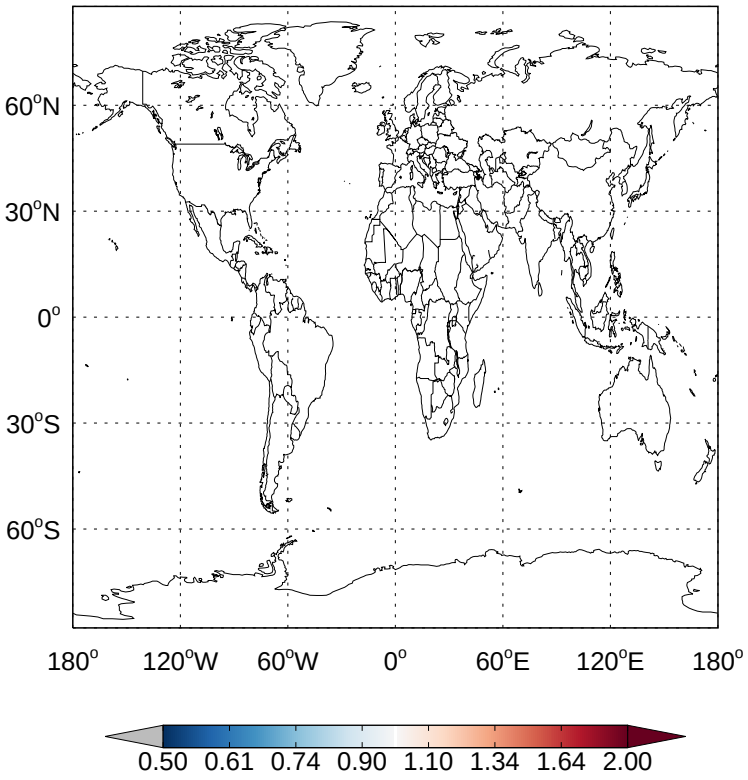
CFC12/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

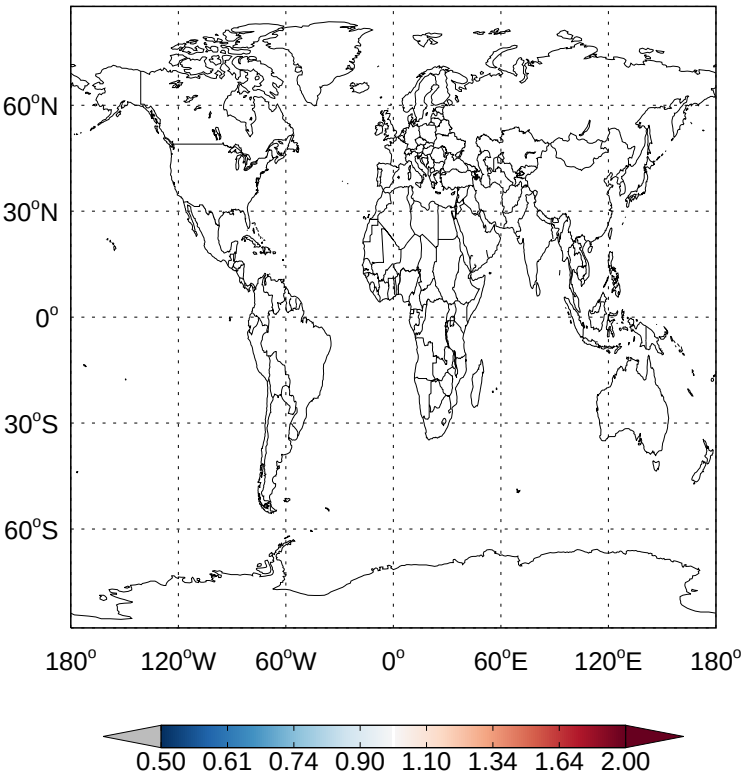
GC_12.0.0 / v11-02f-Run1

HCFC22 / Ratio @ Surface for Jul



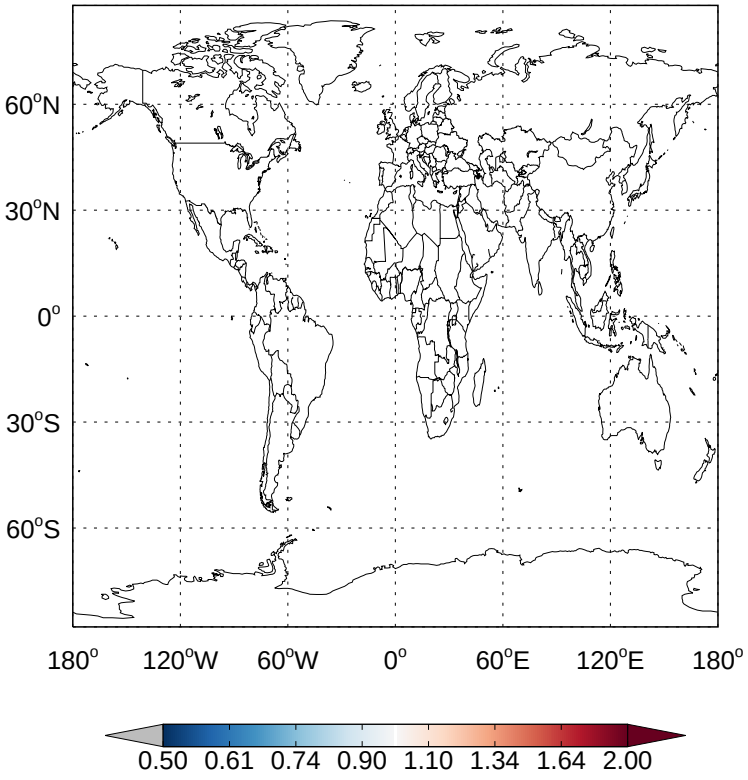
GC_12.0.0 / v11-02f-Run1

HCFC22/ Ratio @ 500 hPa for Jul



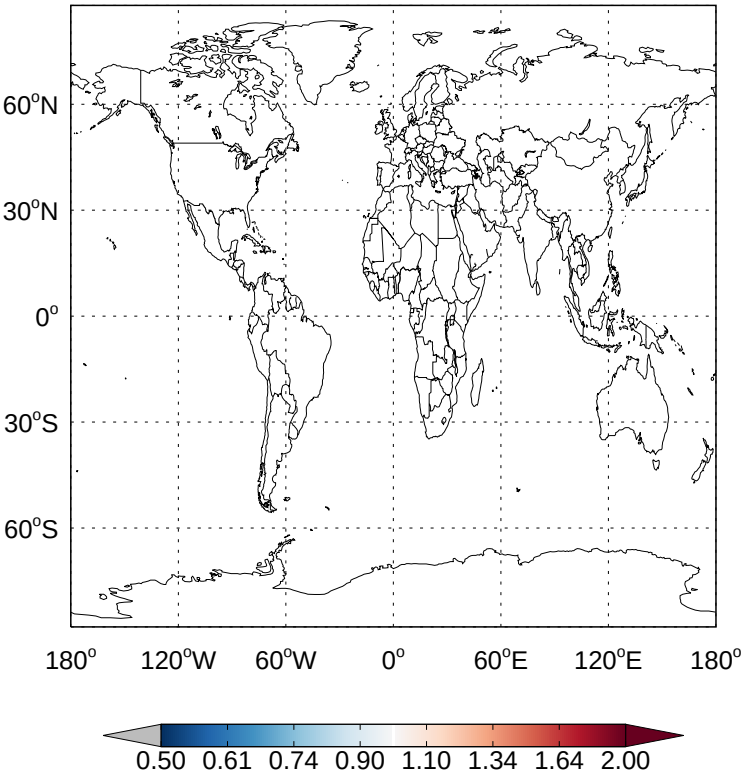
GC_12.0.0 / v11-02e-Run1

HCFC22 / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

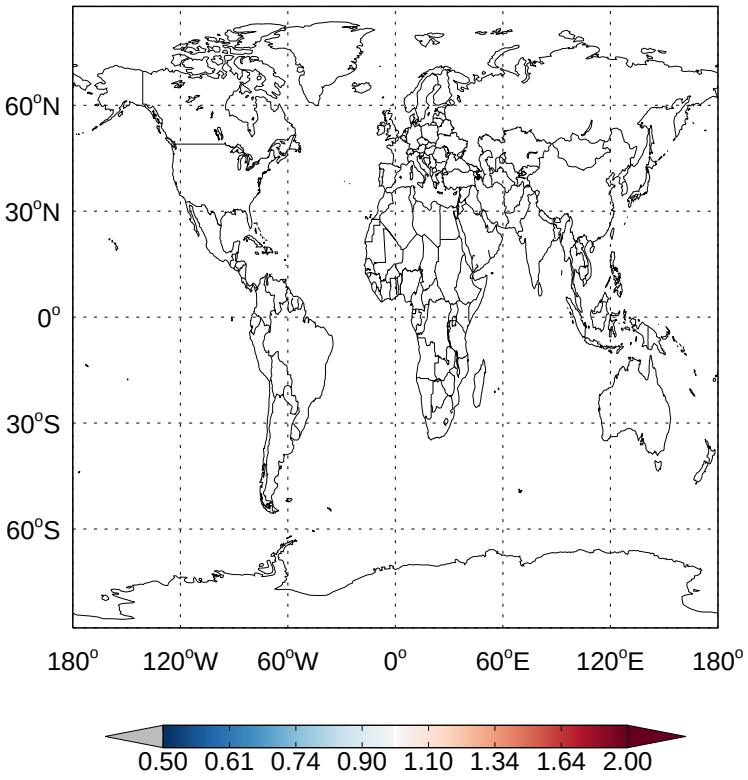
HCFC22/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

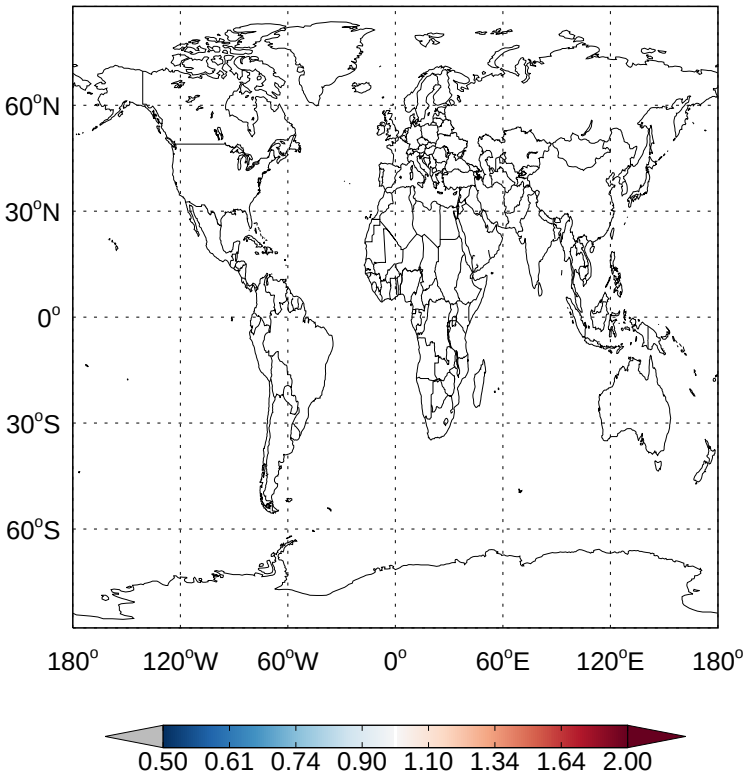
GC_12.0.0 / v11-02f-Run1

H1211 / Ratio @ Surface for Jul



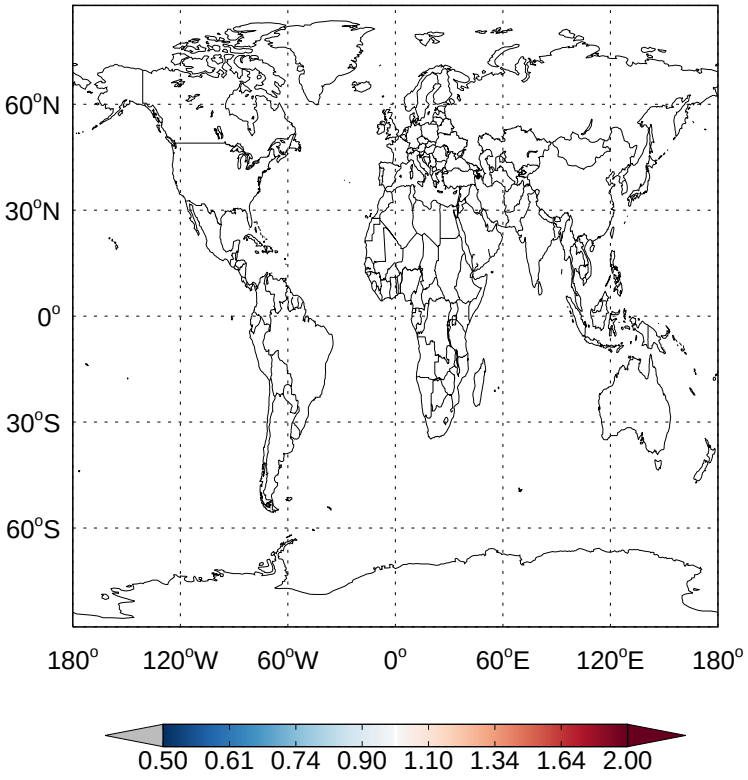
GC_12.0.0 / v11-02f-Run1

H1211/ Ratio @ 500 hPa for Jul



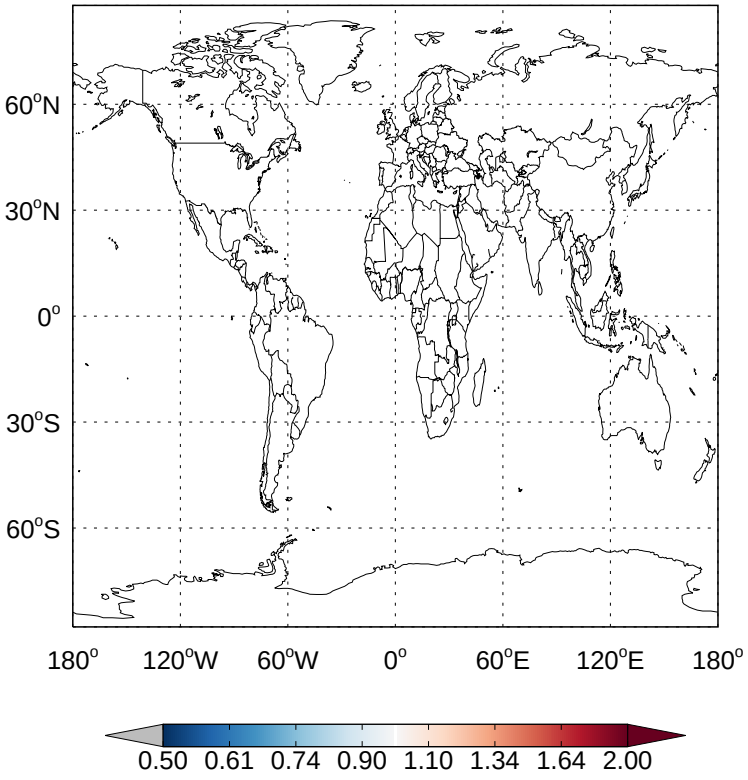
GC_12.0.0 / v11-02e-Run1

H1211 / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

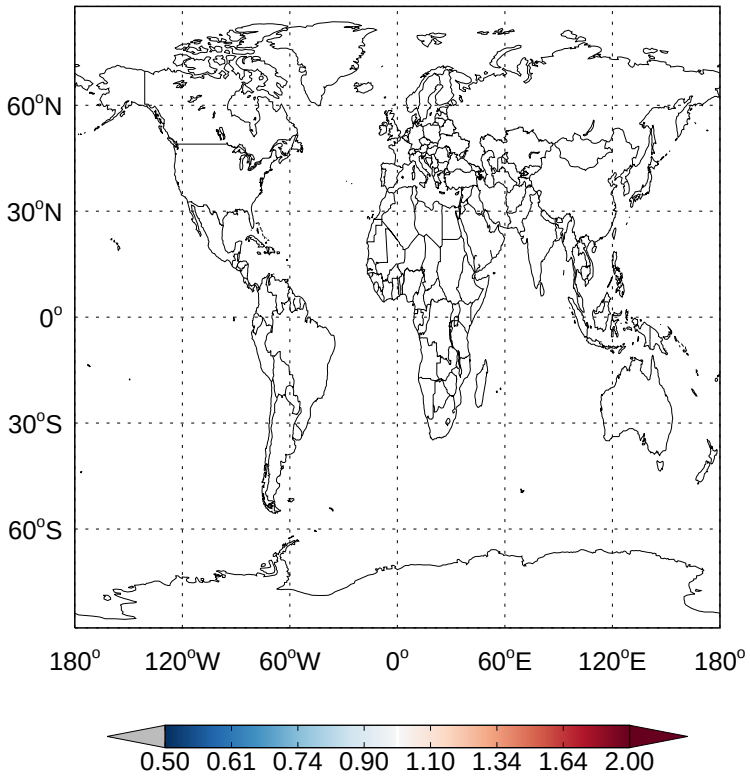
H1211/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

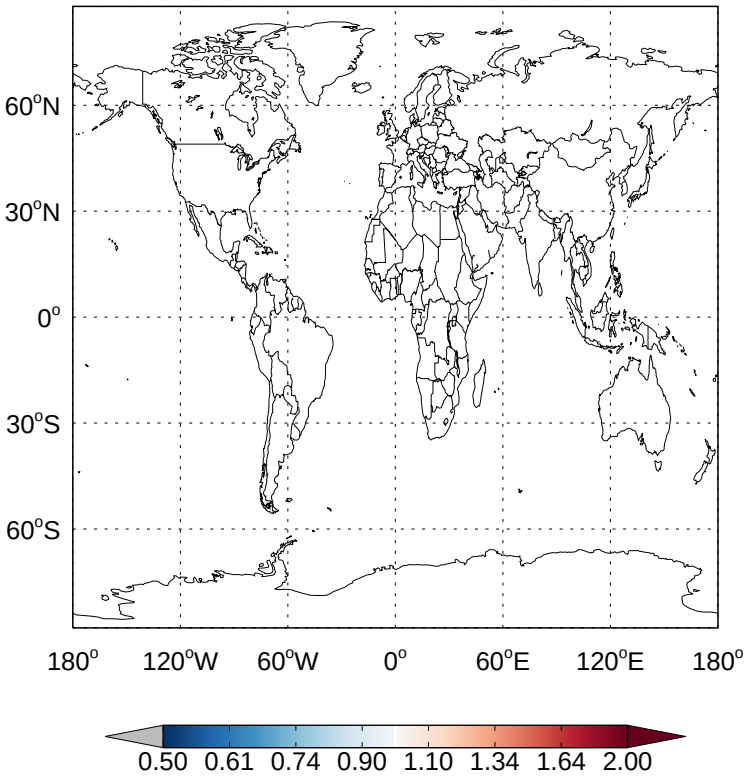
GC_12.0.0 / v11-02f-Run1

H1301 / Ratio @ Surface for Jul



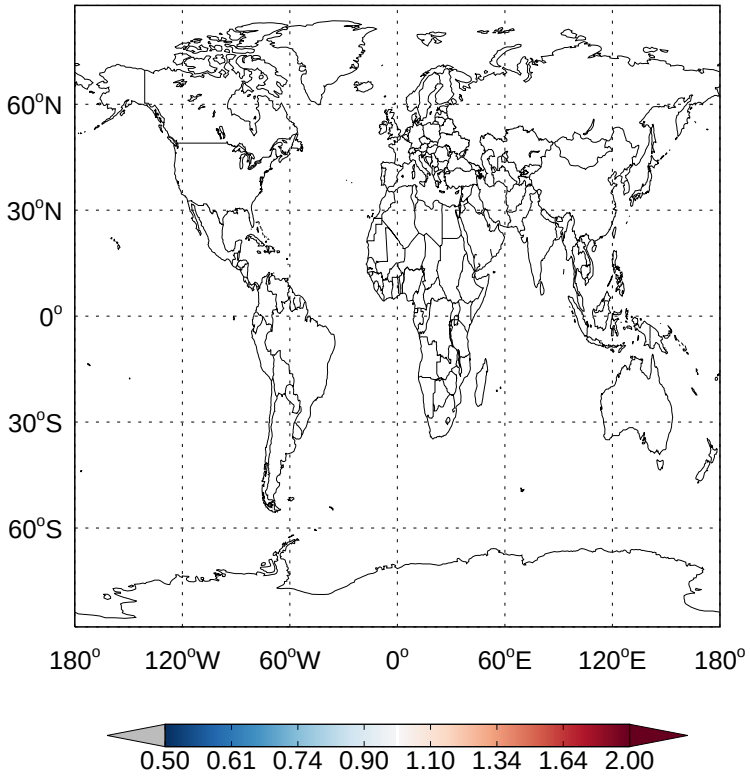
GC_12.0.0 / v11-02f-Run1

H1301/ Ratio @ 500 hPa for Jul



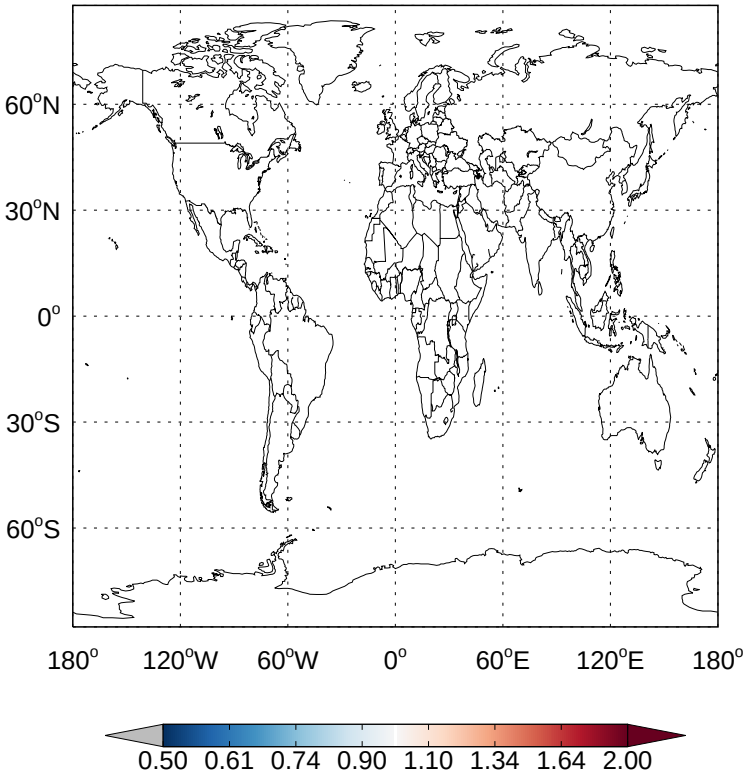
GC_12.0.0 / v11-02e-Run1

H1301 / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

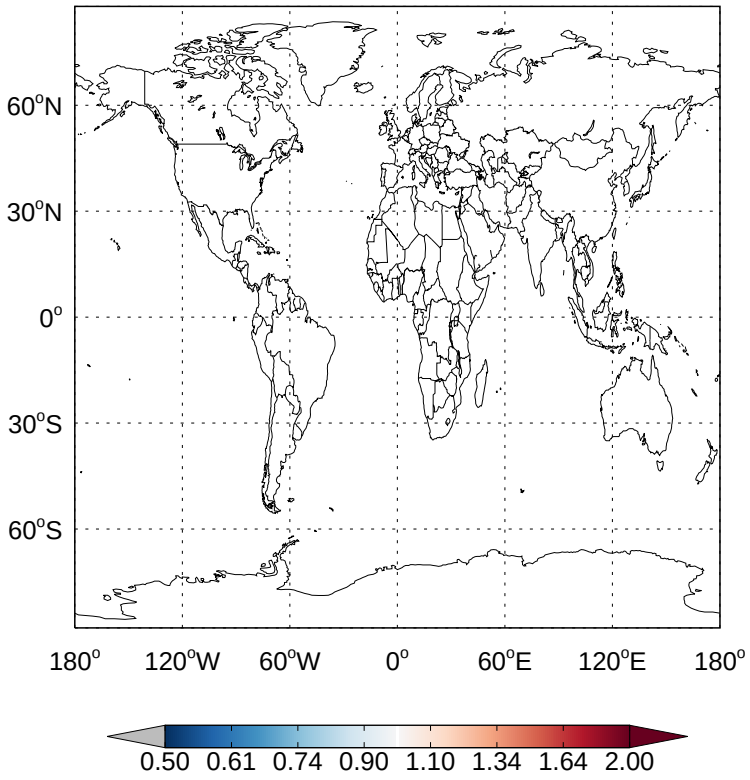
H1301/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

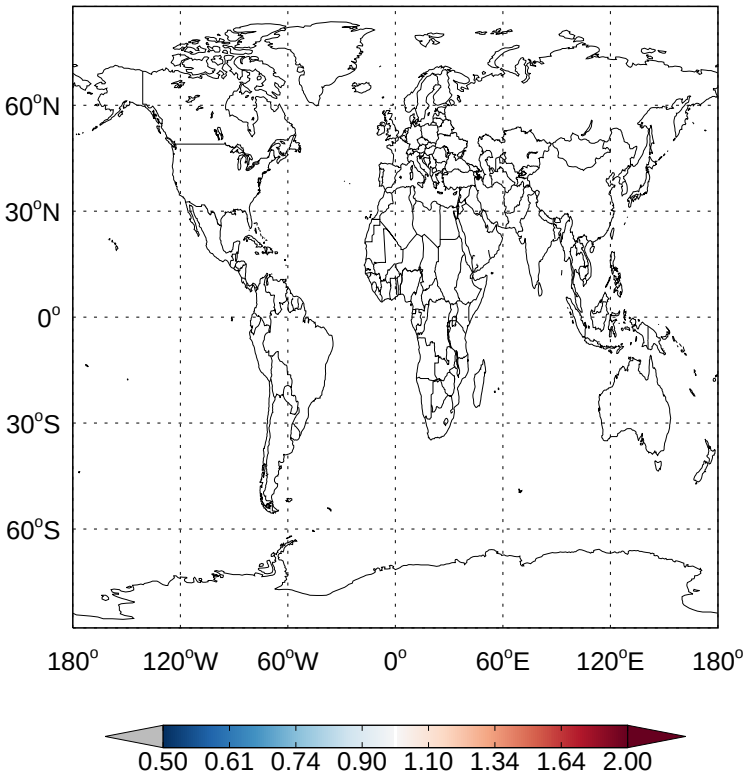
GC_12.0.0 / v11-02f-Run1

H2402 / Ratio @ Surface for Jul



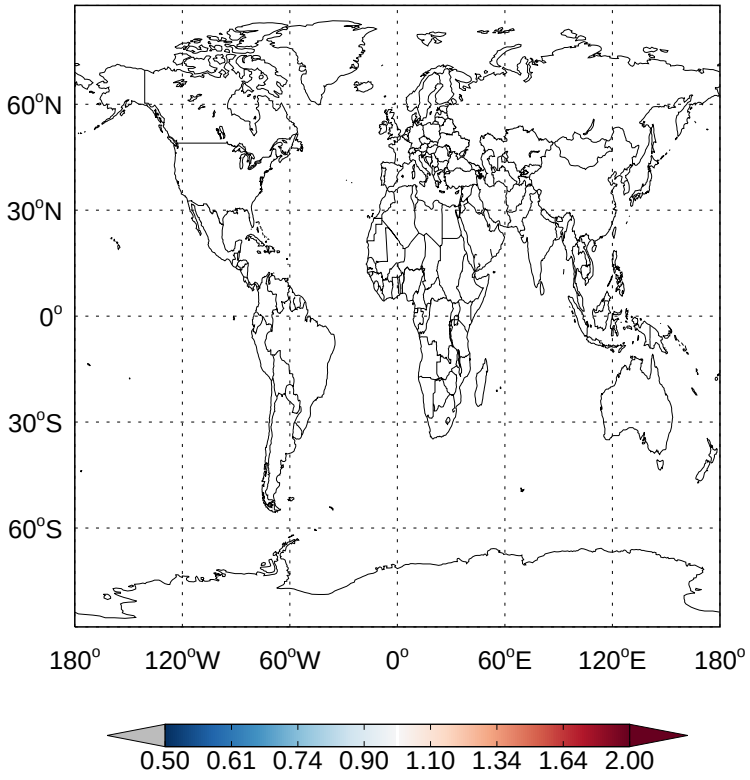
GC_12.0.0 / v11-02f-Run1

H2402/ Ratio @ 500 hPa for Jul



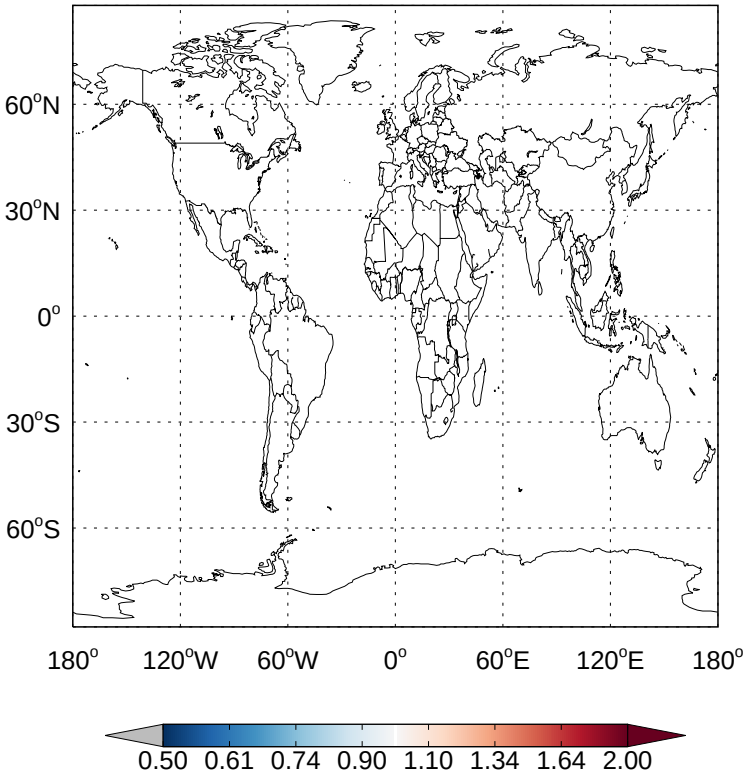
GC_12.0.0 / v11-02e-Run1

H2402 / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

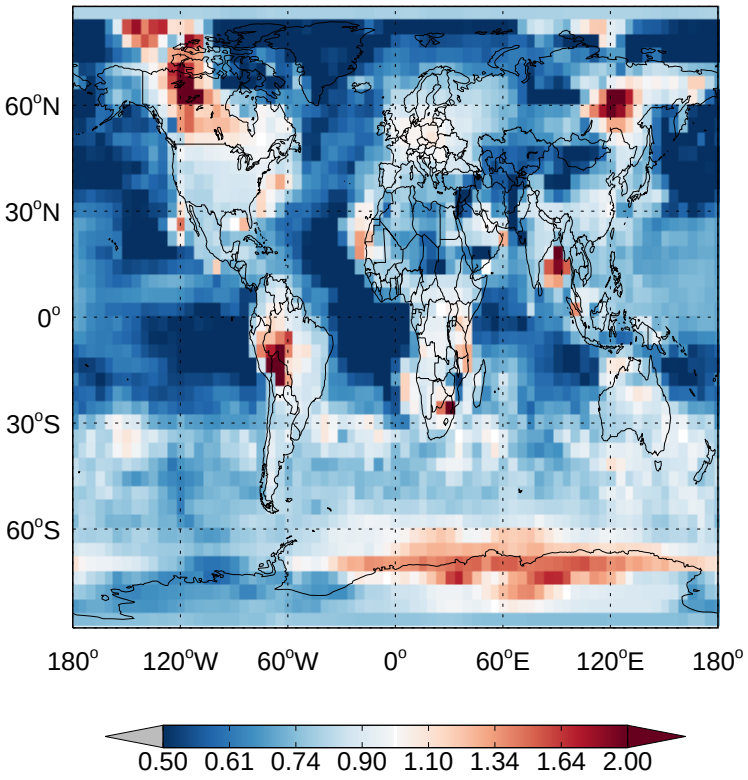
H2402/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

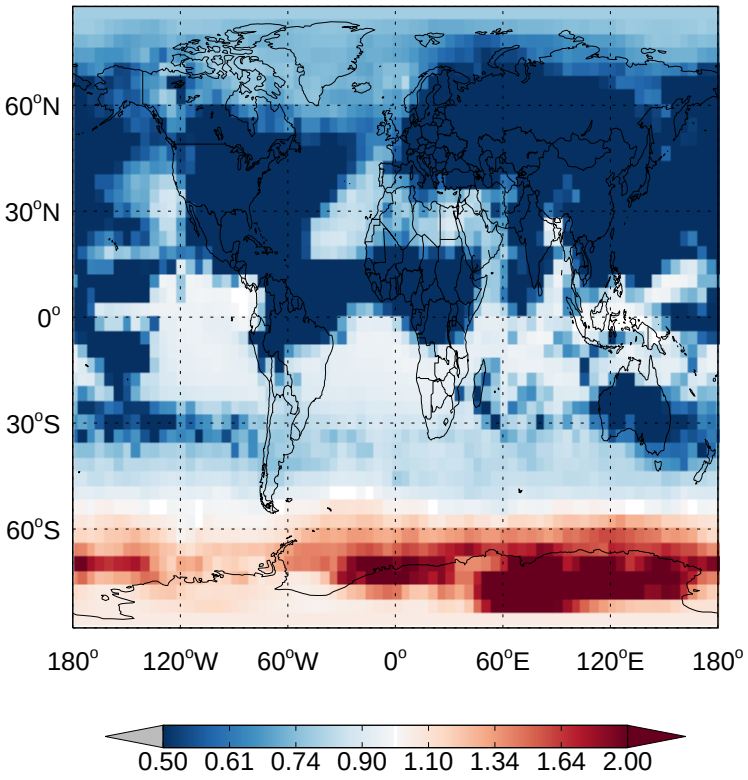
GC_12.0.0 / v11-02f-Run1

Cl / Ratio @ Surface for Jul



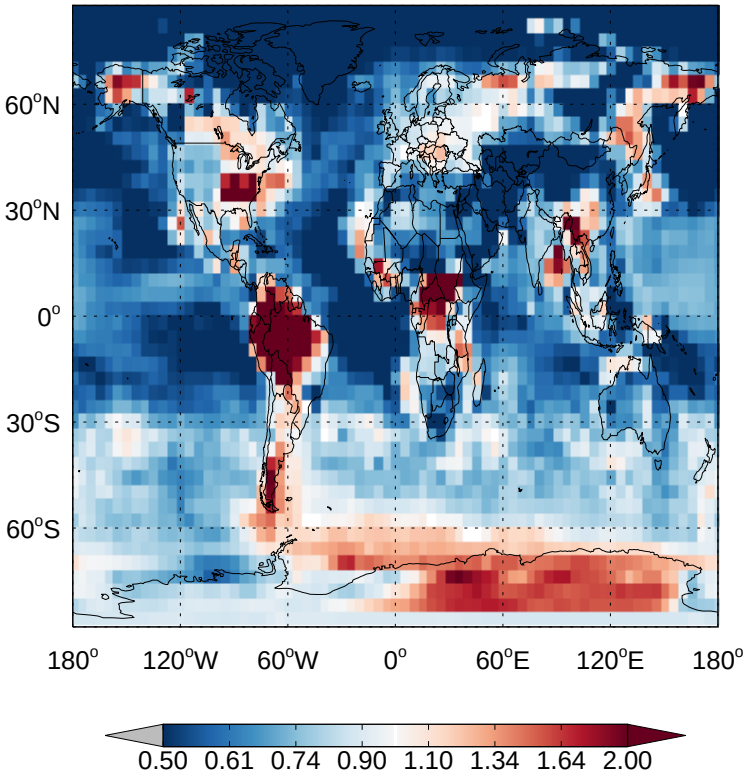
GC_12.0.0 / v11-02f-Run1

Cl/ Ratio @ 500 hPa for Jul



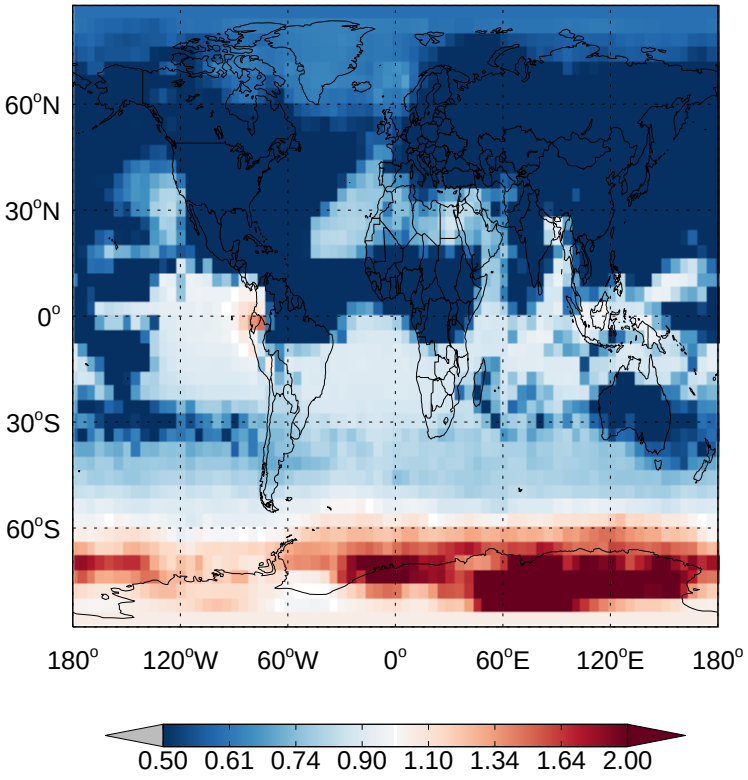
GC_12.0.0 / v11-02e-Run1

Cl / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

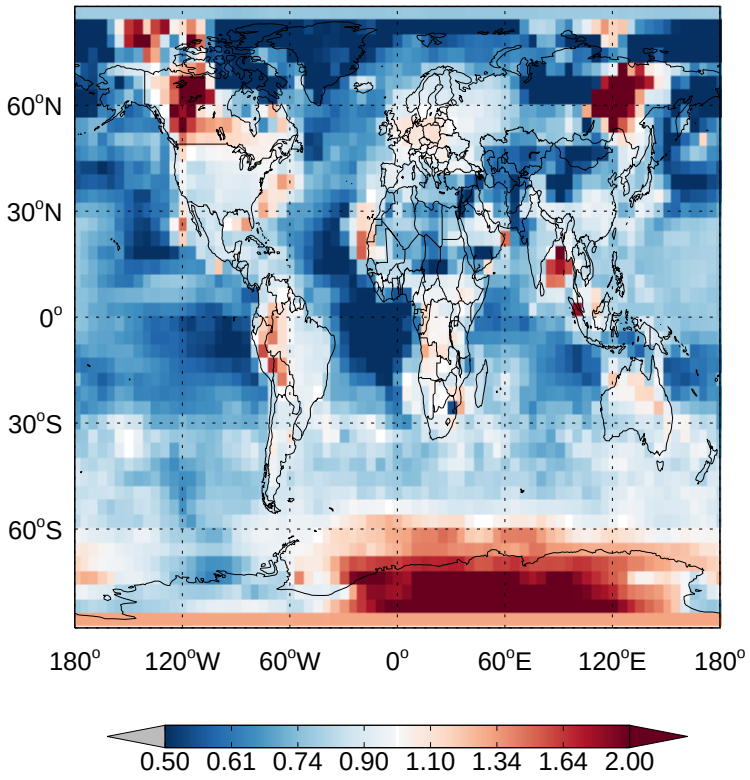
Cl/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

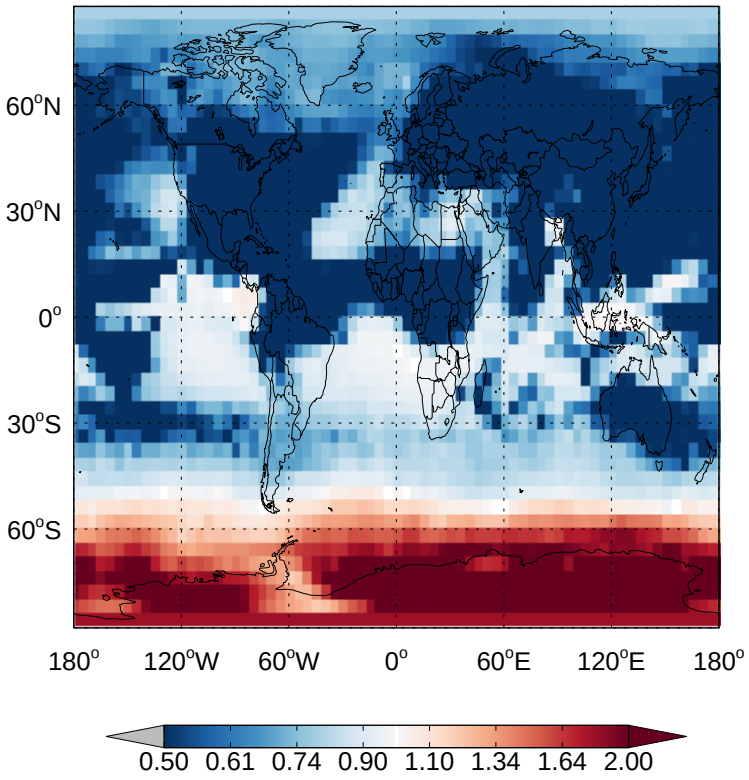
GC_12.0.0 / v11-02f-Run1

ClO / Ratio @ Surface for Jul



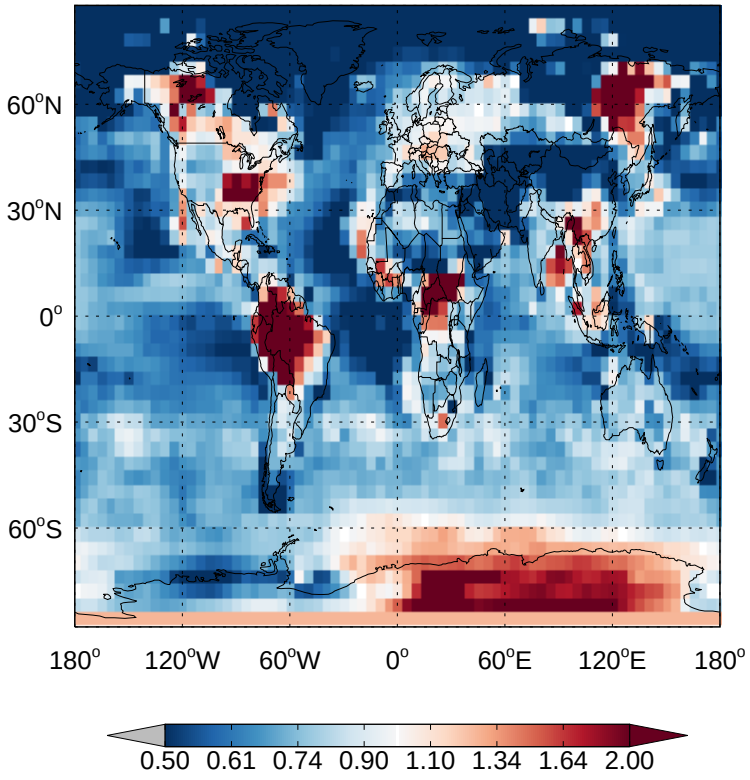
GC_12.0.0 / v11-02f-Run1

ClO/ Ratio @ 500 hPa for Jul



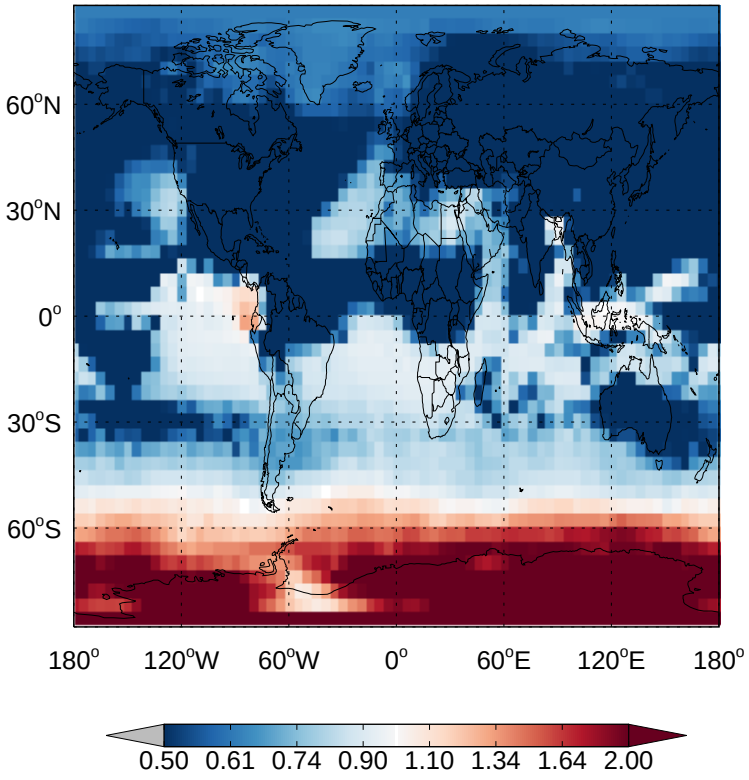
GC_12.0.0 / v11-02e-Run1

ClO / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

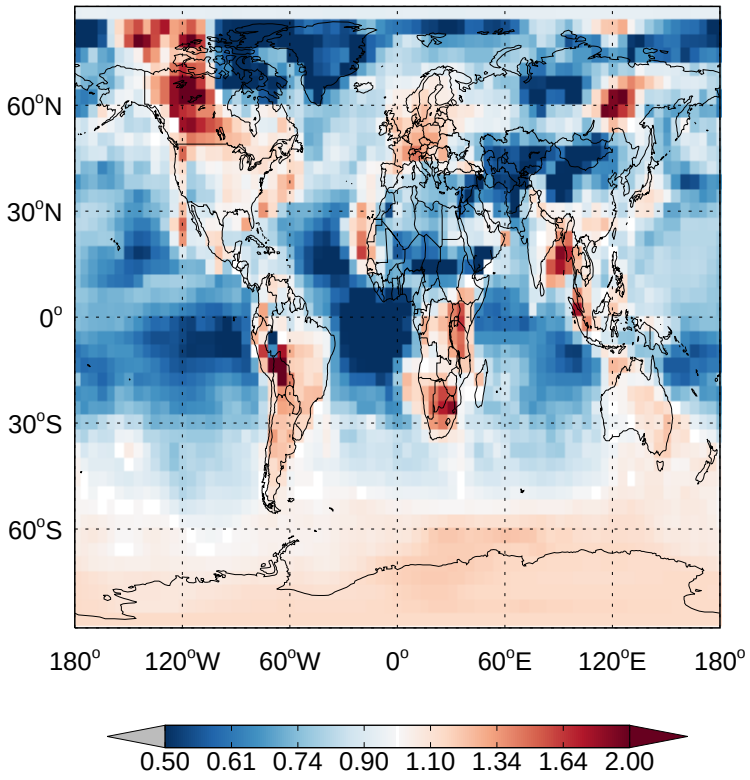
ClO/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

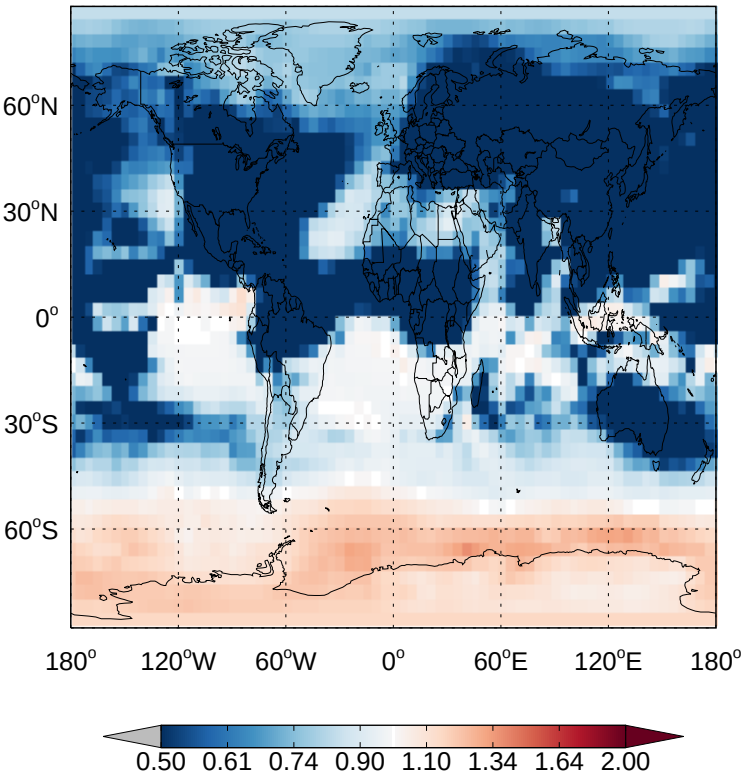
GC_12.0.0 / v11-02f-Run1

HOCl / Ratio @ Surface for Jul



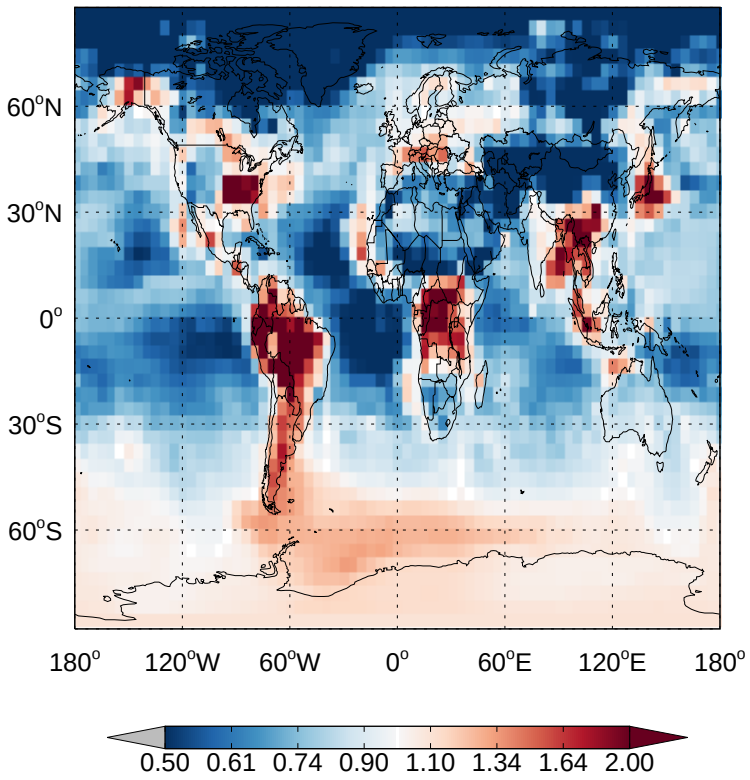
GC_12.0.0 / v11-02f-Run1

HOCl/ Ratio @ 500 hPa for Jul



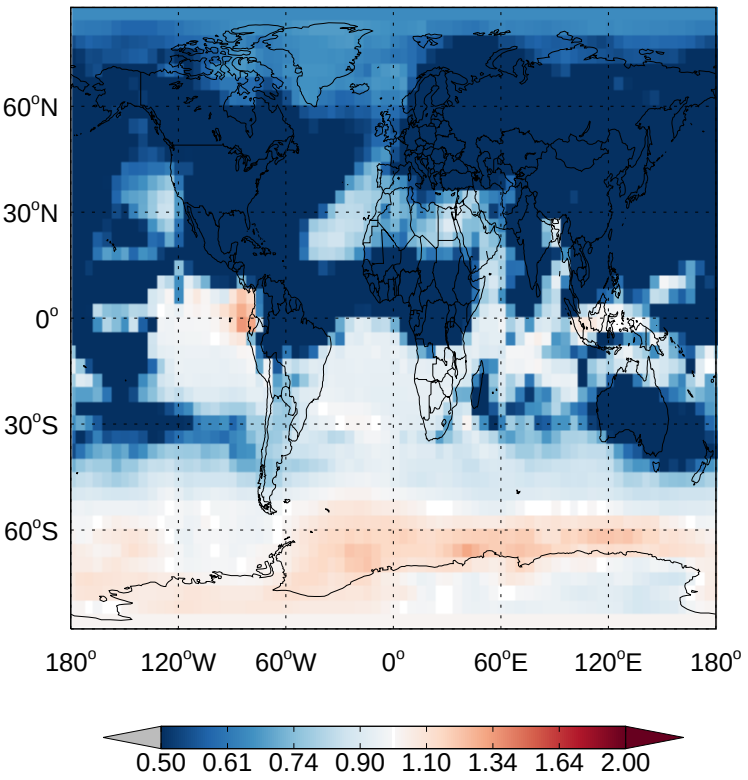
GC_12.0.0 / v11-02e-Run1

HOCl / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

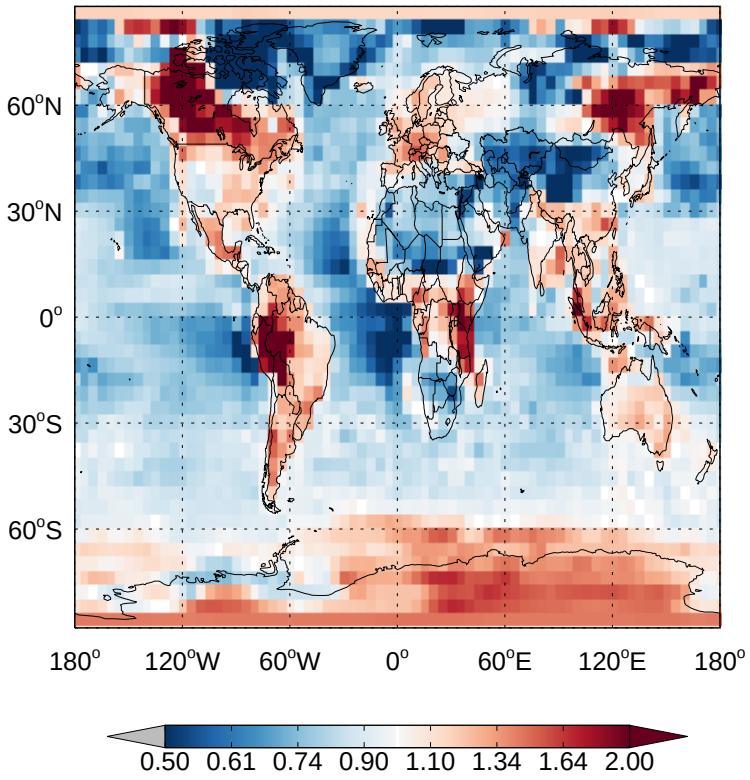
HOCl/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

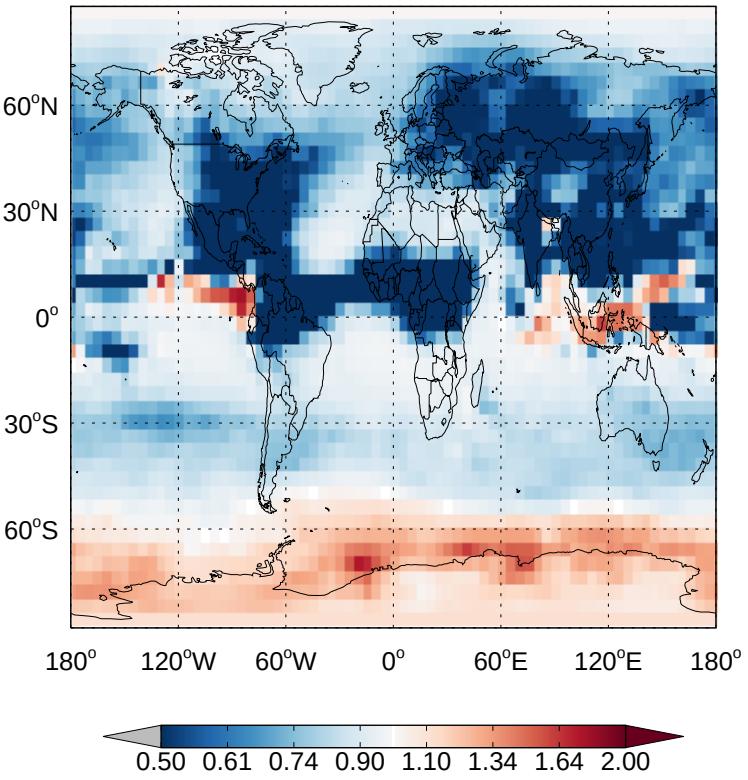
GC_12.0.0 / v11-02f-Run1

ClNO3 / Ratio @ Surface for Jul



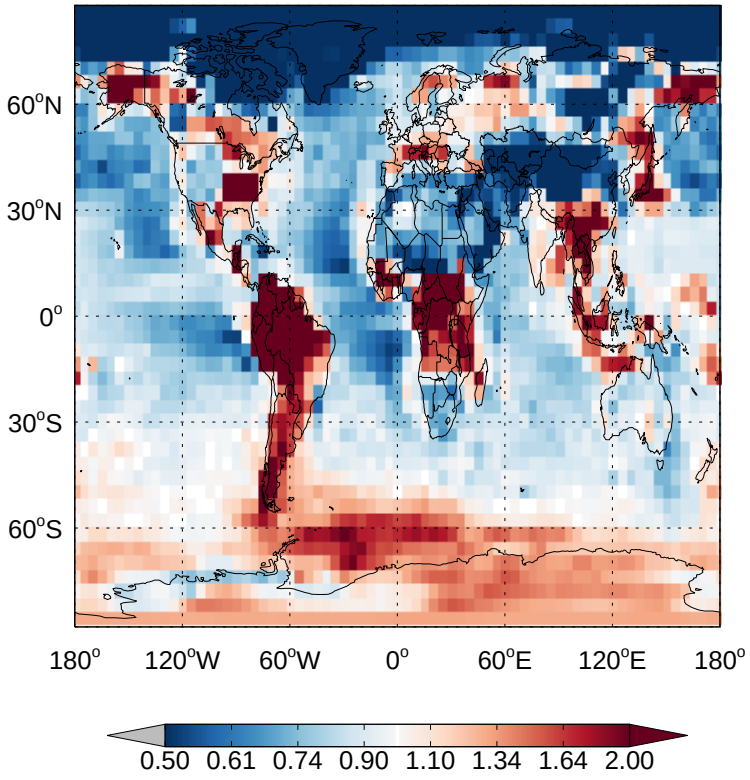
GC_12.0.0 / v11-02f-Run1

ClNO3/ Ratio @ 500 hPa for Jul



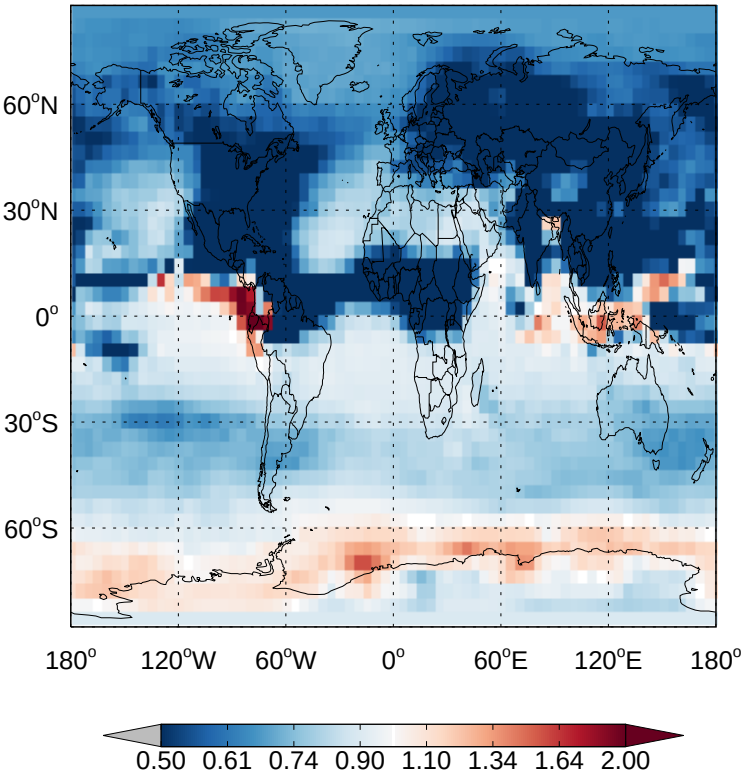
GC_12.0.0 / v11-02e-Run1

ClNO3 / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

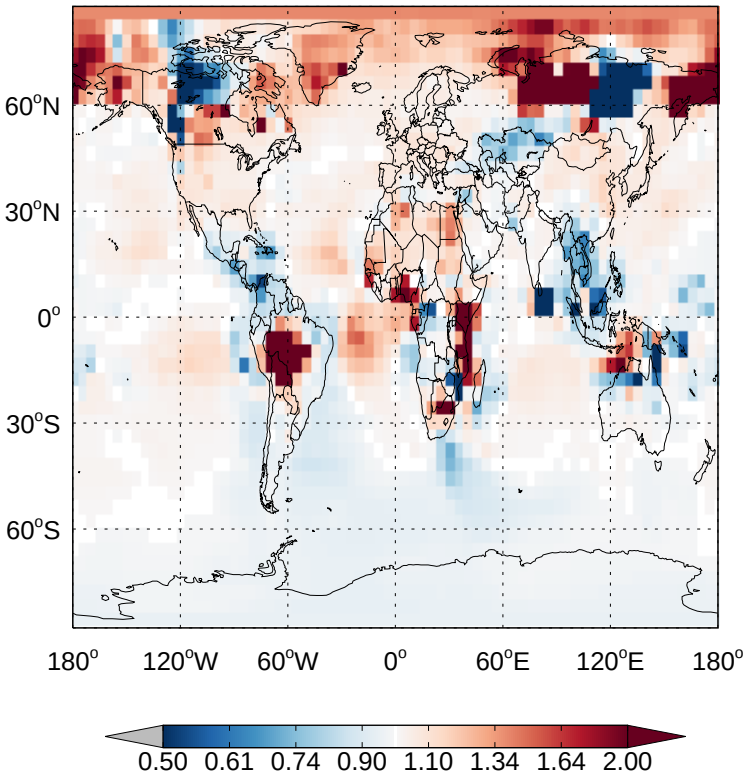
ClNO3/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

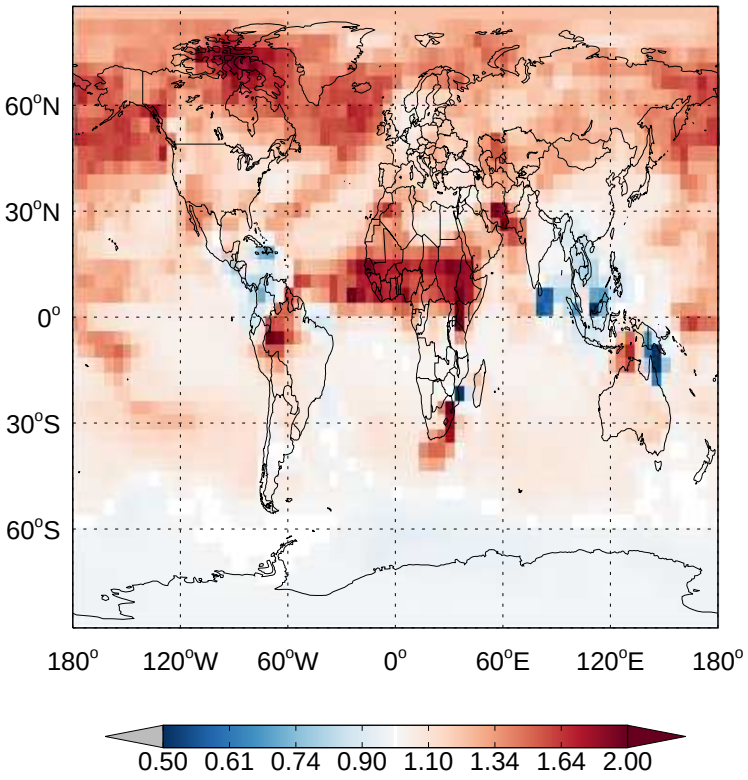
GC_12.0.0 / v11-02f-Run1

ClNO2 / Ratio @ Surface for Jul



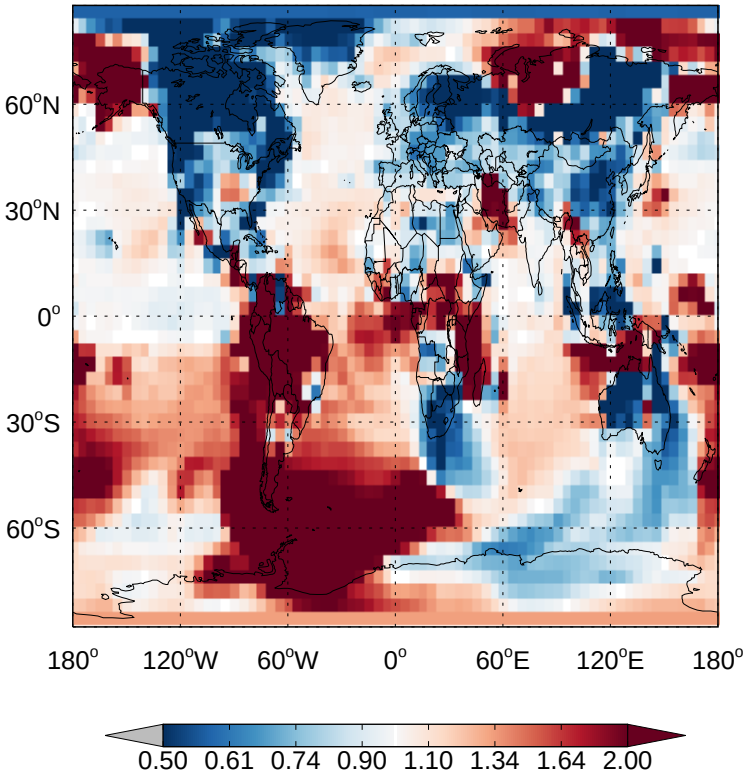
GC_12.0.0 / v11-02f-Run1

ClNO2/ Ratio @ 500 hPa for Jul



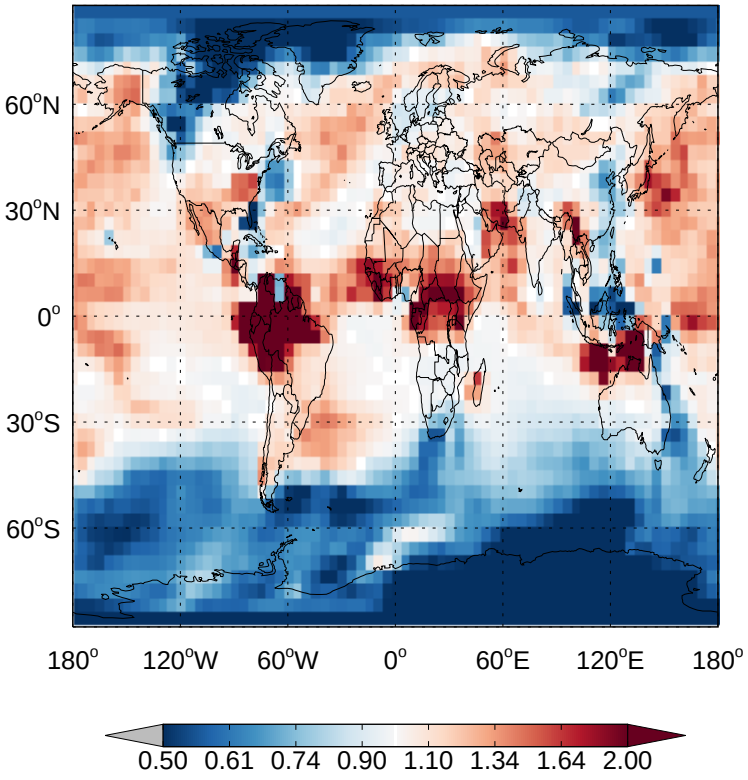
GC_12.0.0 / v11-02e-Run1

ClNO2 / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

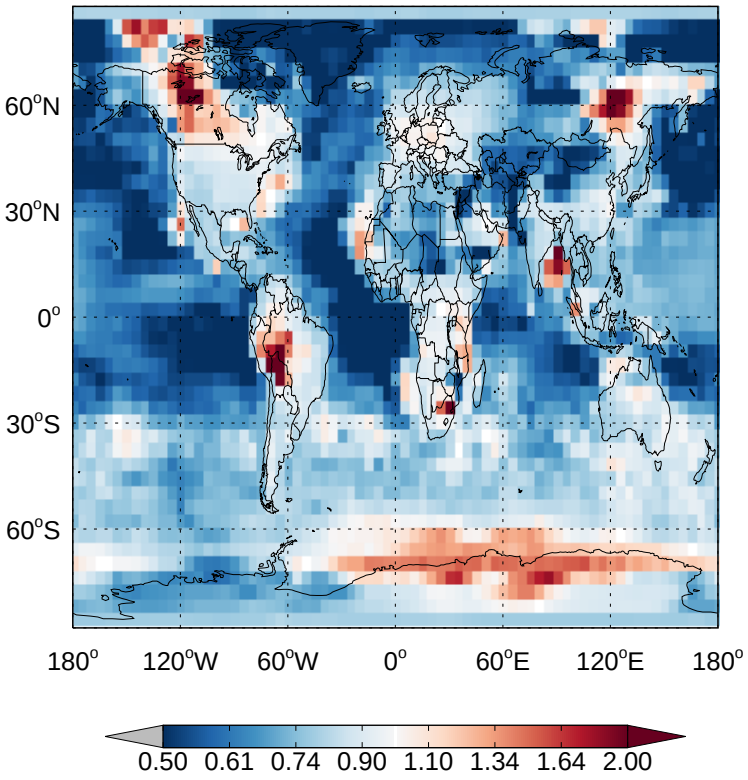
ClNO2/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

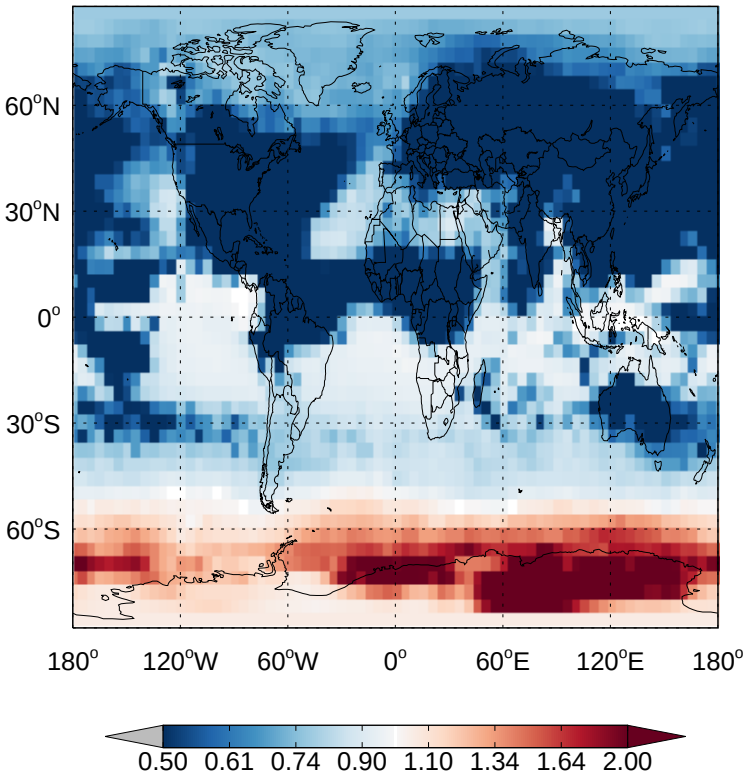
GC_12.0.0 / v11-02f-Run1

ClOO / Ratio @ Surface for Jul



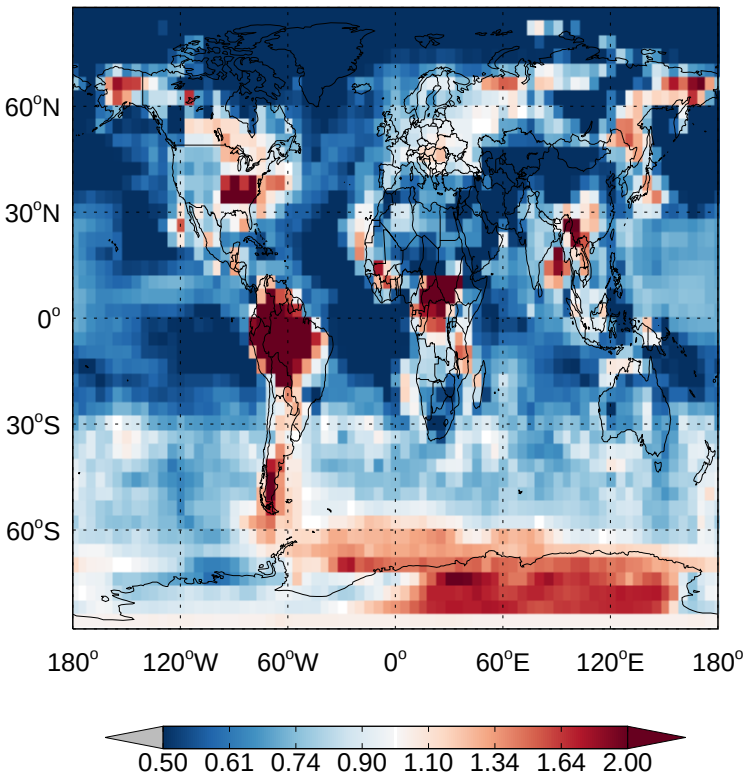
GC_12.0.0 / v11-02f-Run1

ClOO/ Ratio @ 500 hPa for Jul



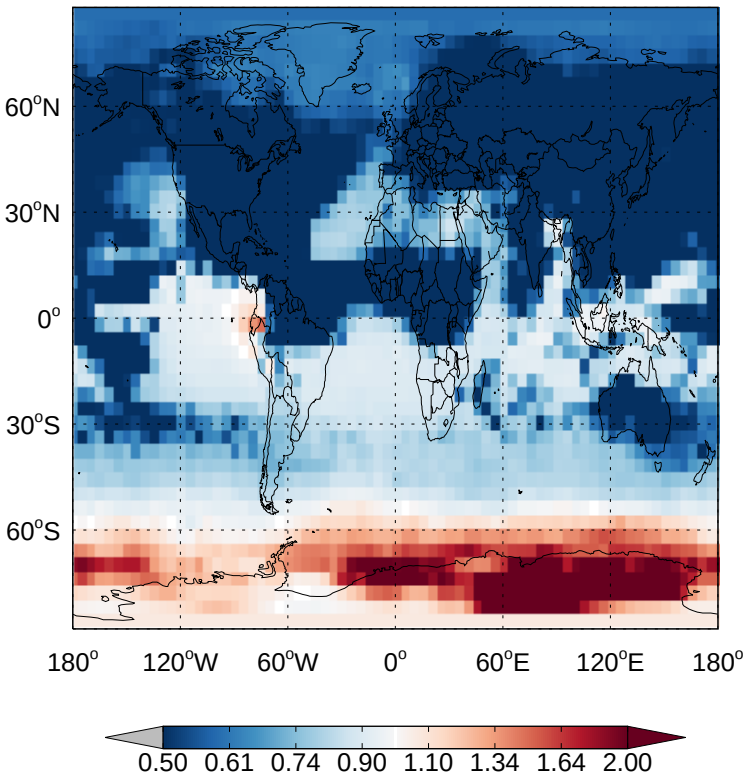
GC_12.0.0 / v11-02e-Run1

ClOO / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

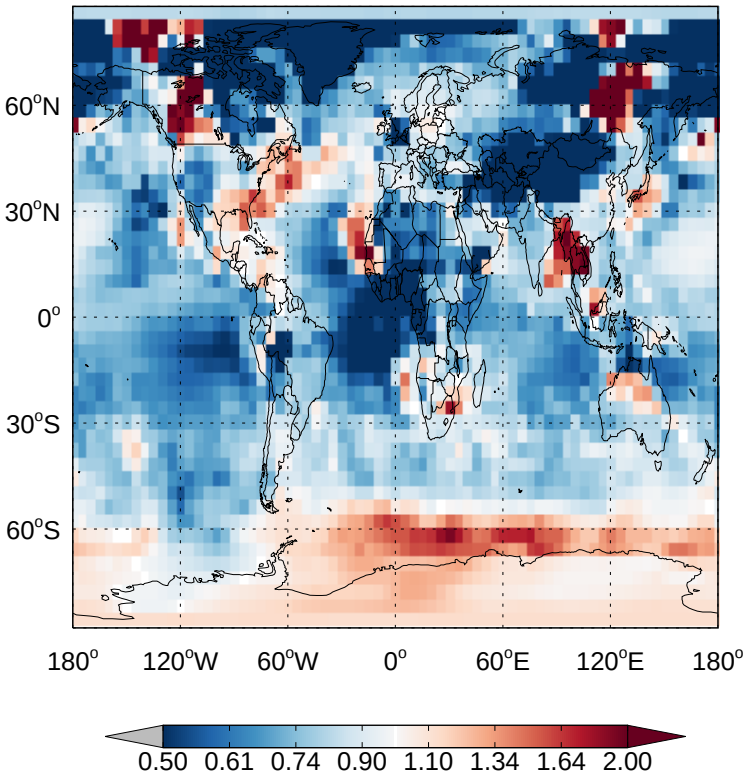
ClOO/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

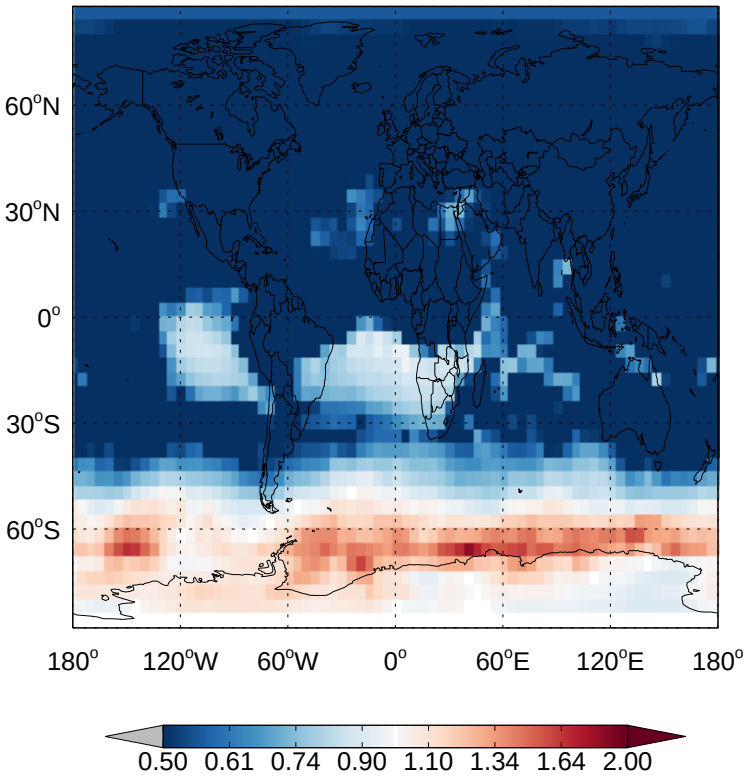
GC_12.0.0 / v11-02f-Run1

OClO / Ratio @ Surface for Jul



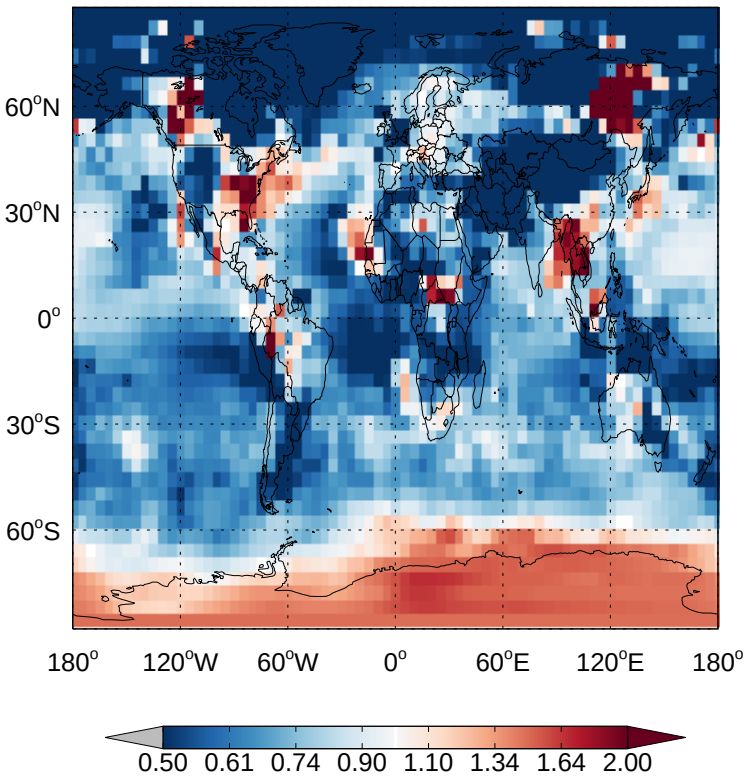
GC_12.0.0 / v11-02f-Run1

OClO/ Ratio @ 500 hPa for Jul



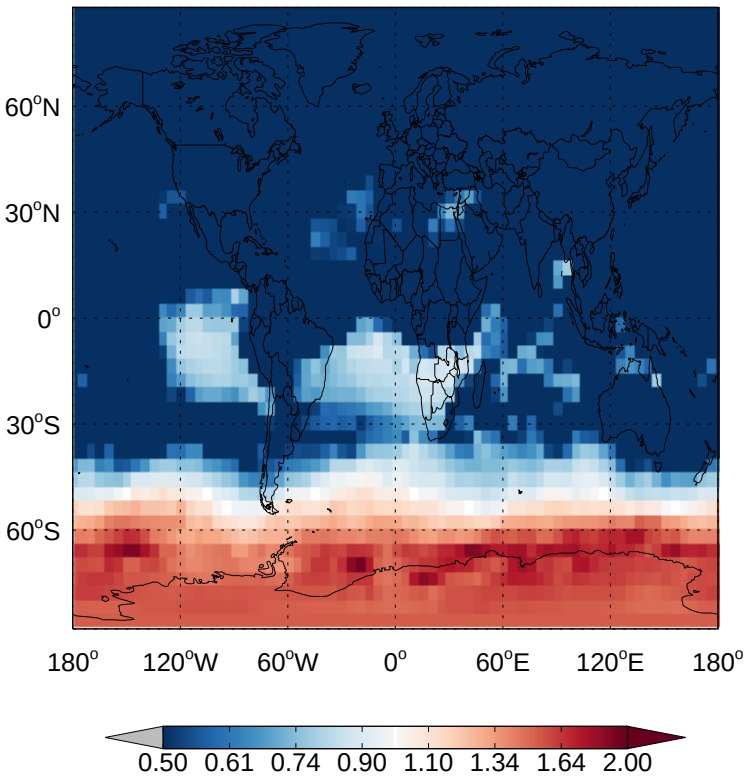
GC_12.0.0 / v11-02e-Run1

OClO / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

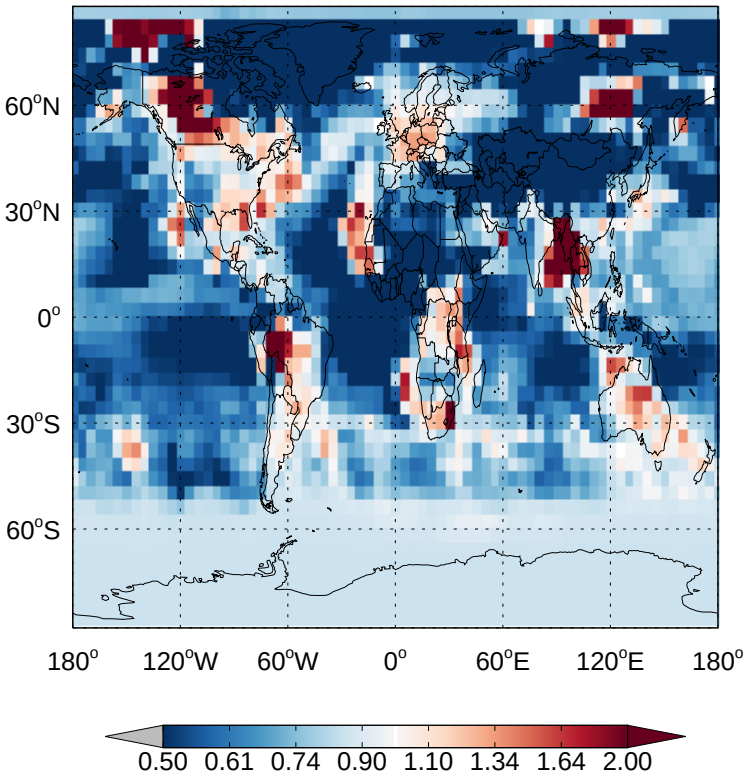
OClO/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

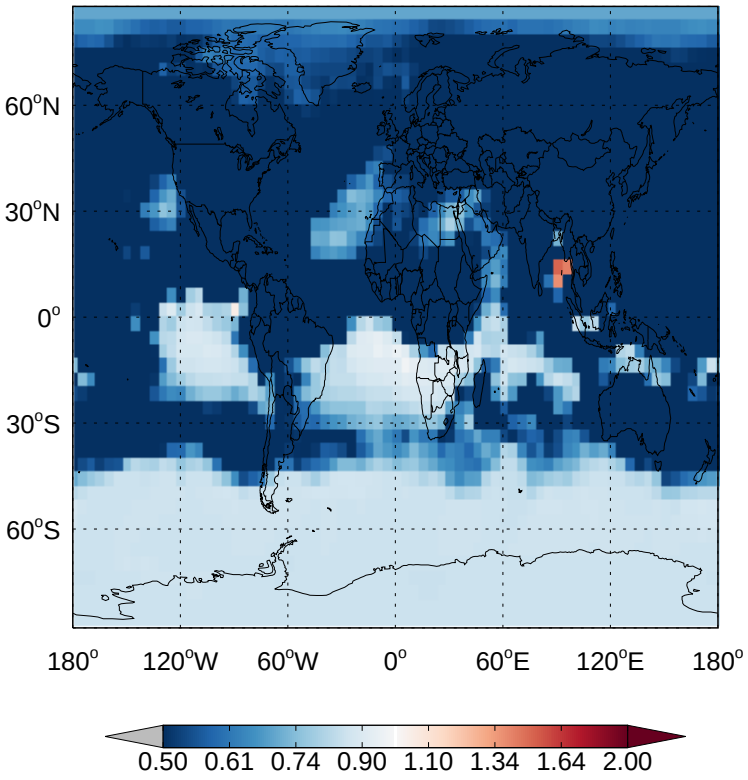
GC_12.0.0 / v11-02f-Run1

Cl2 / Ratio @ Surface for Jul



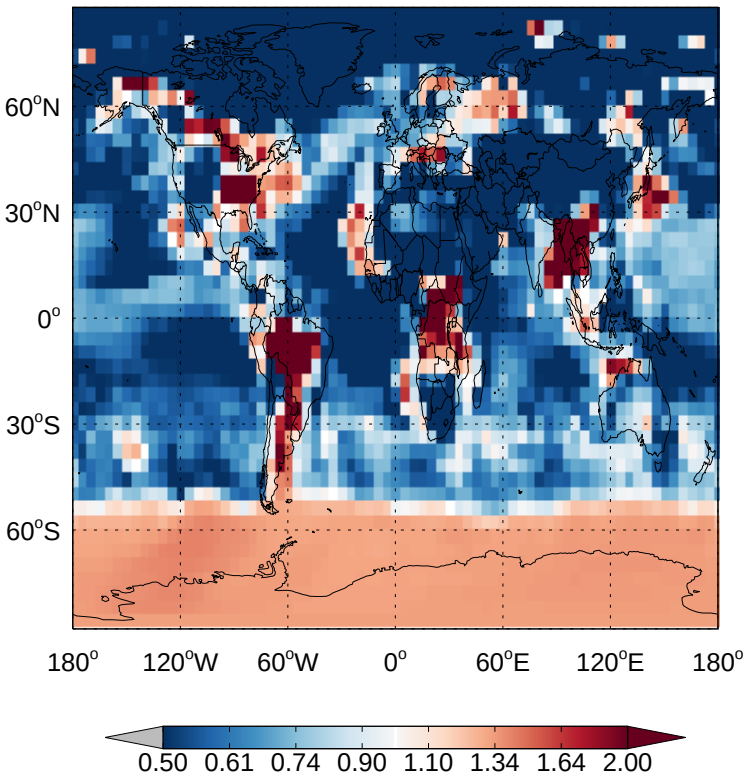
GC_12.0.0 / v11-02f-Run1

Cl2/ Ratio @ 500 hPa for Jul



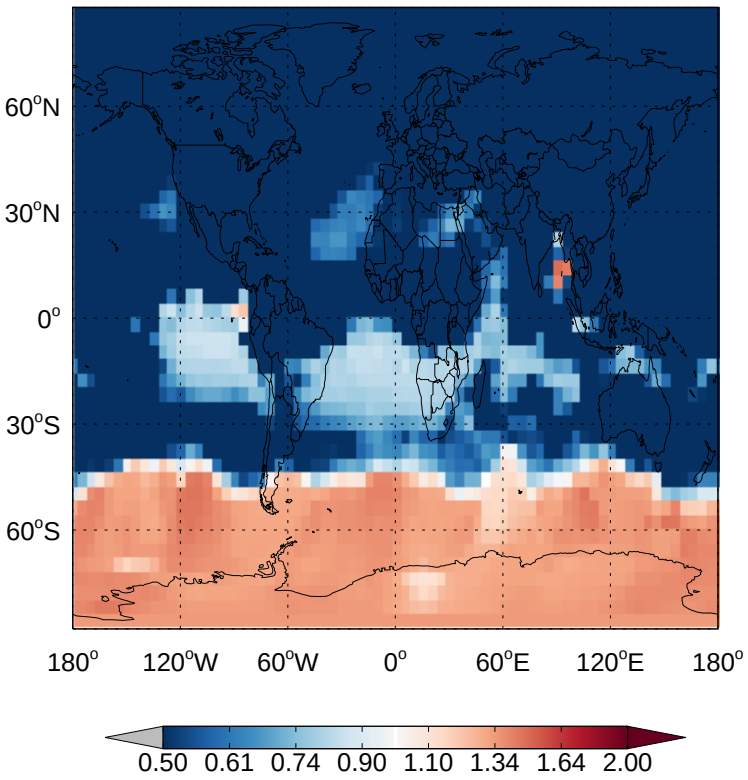
GC_12.0.0 / v11-02e-Run1

Cl2 / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

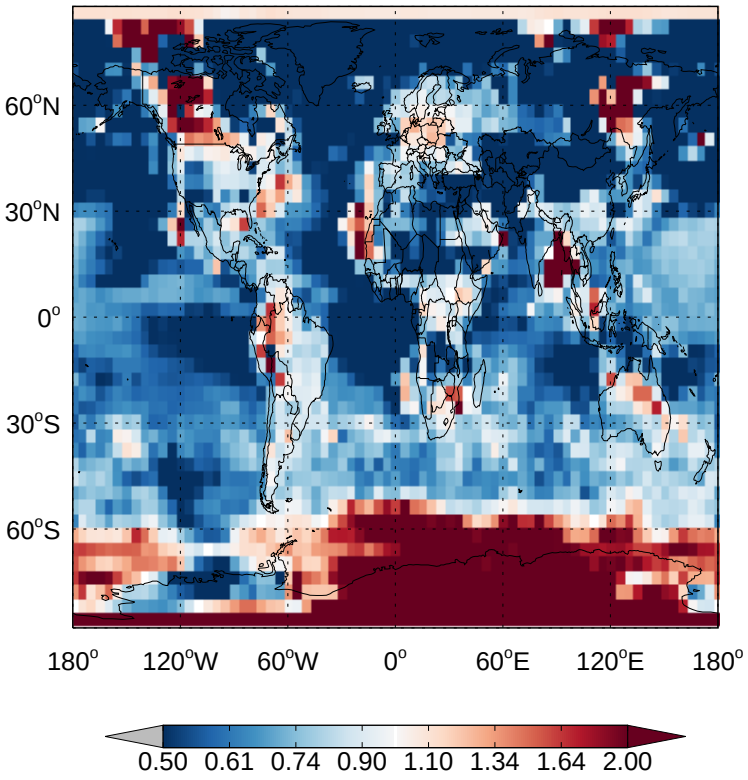
Cl2/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

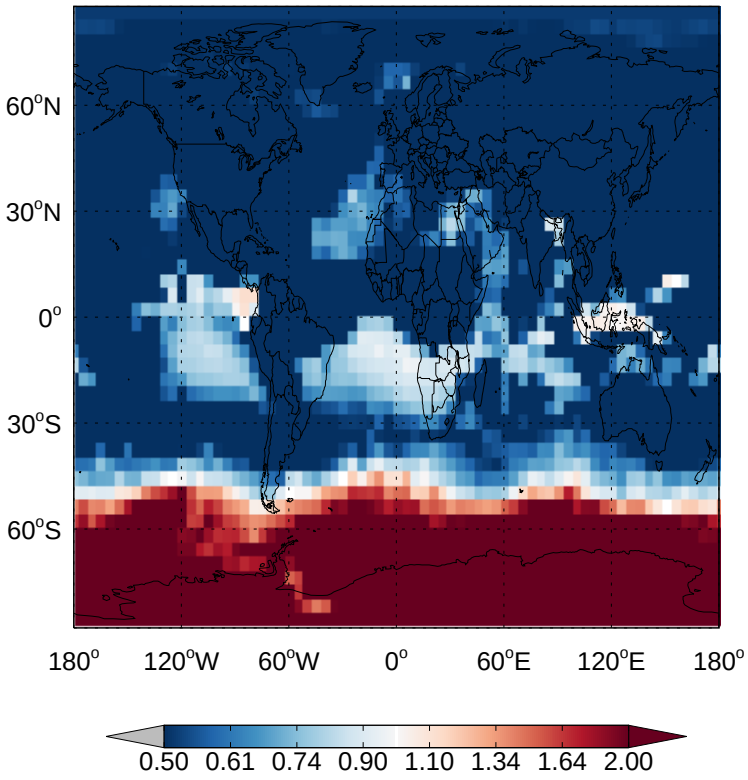
GC_12.0.0 / v11-02f-Run1

Cl2O2 / Ratio @ Surface for Jul



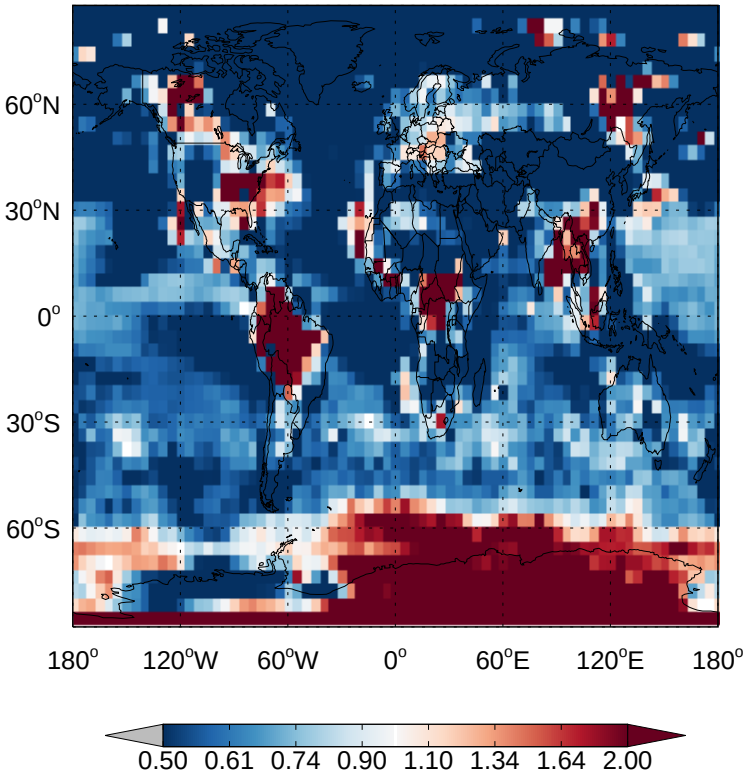
GC_12.0.0 / v11-02f-Run1

Cl2O2/ Ratio @ 500 hPa for Jul



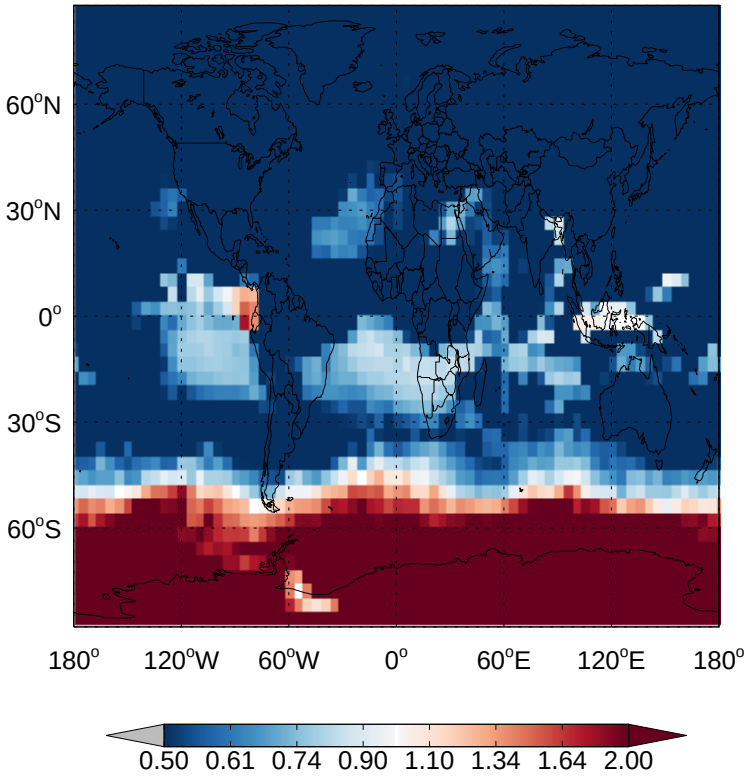
GC_12.0.0 / v11-02e-Run1

Cl2O2 / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

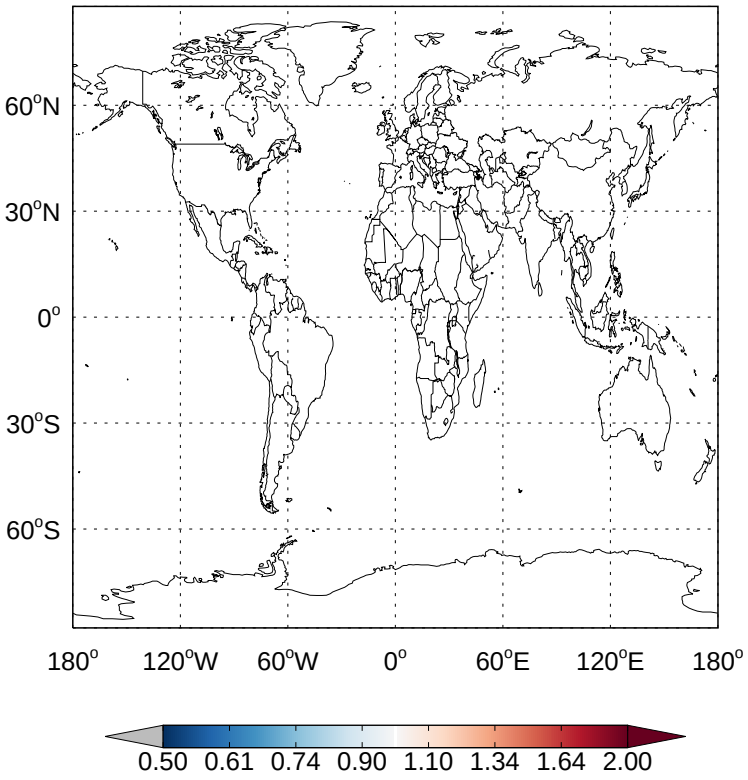
Cl2O2/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

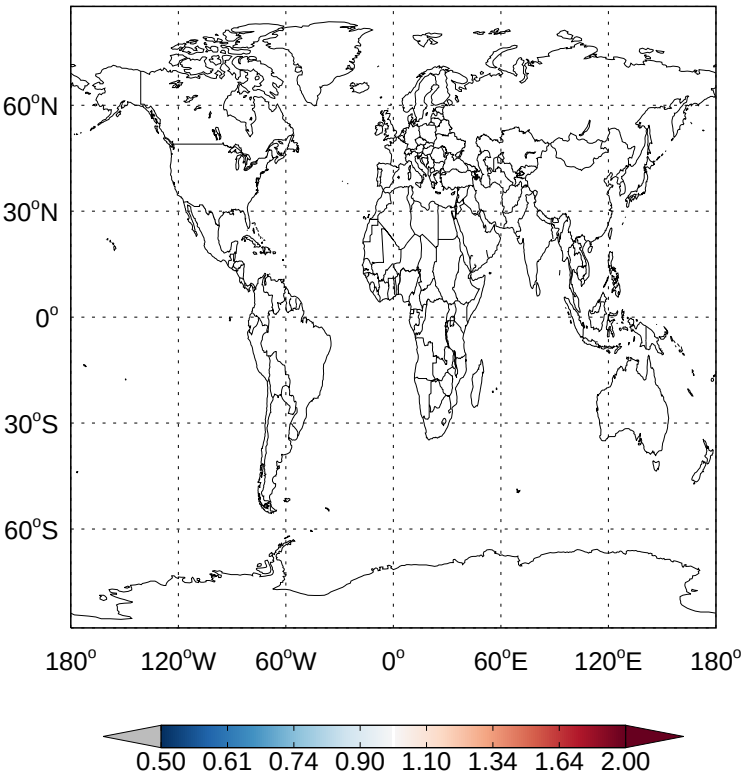
GC_12.0.0 / v11-02f-Run1

H2O / Ratio @ Surface for Jul



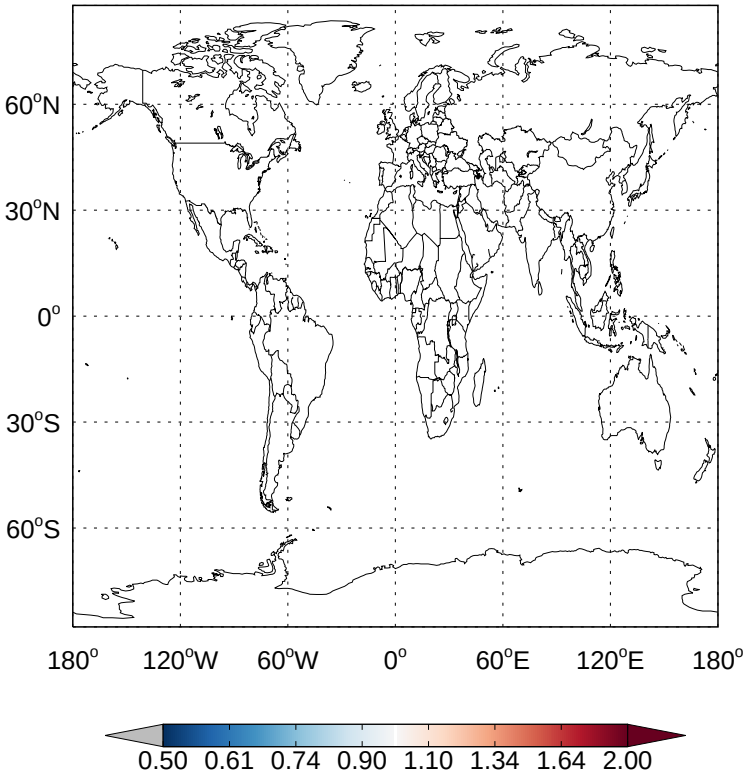
GC_12.0.0 / v11-02f-Run1

H2O/ Ratio @ 500 hPa for Jul



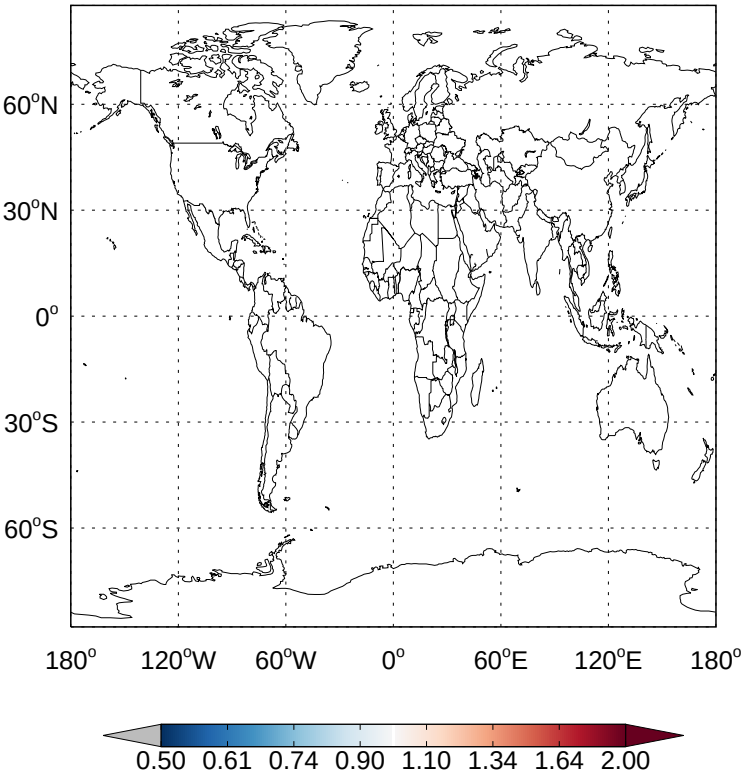
GC_12.0.0 / v11-02e-Run1

H2O / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

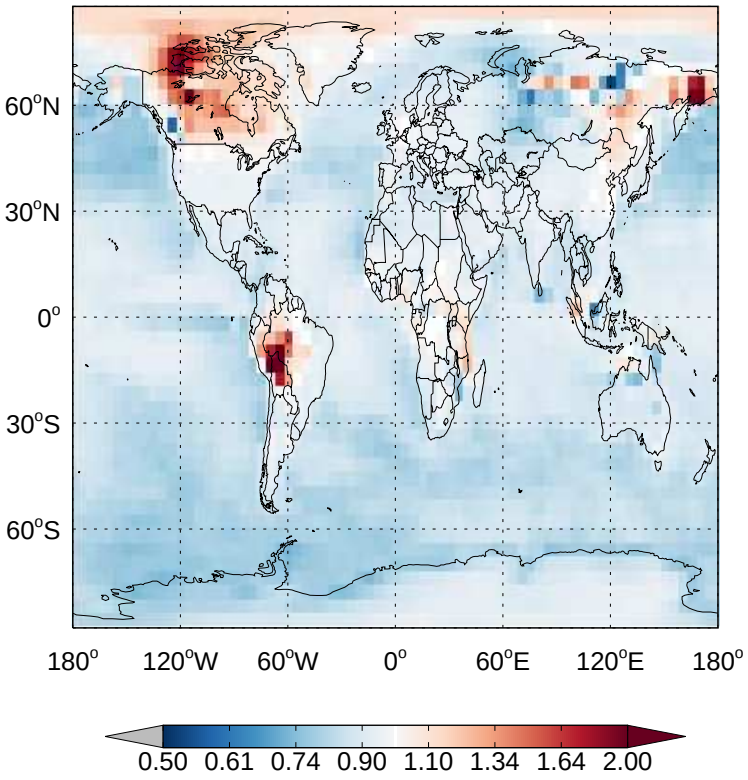
H2O/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

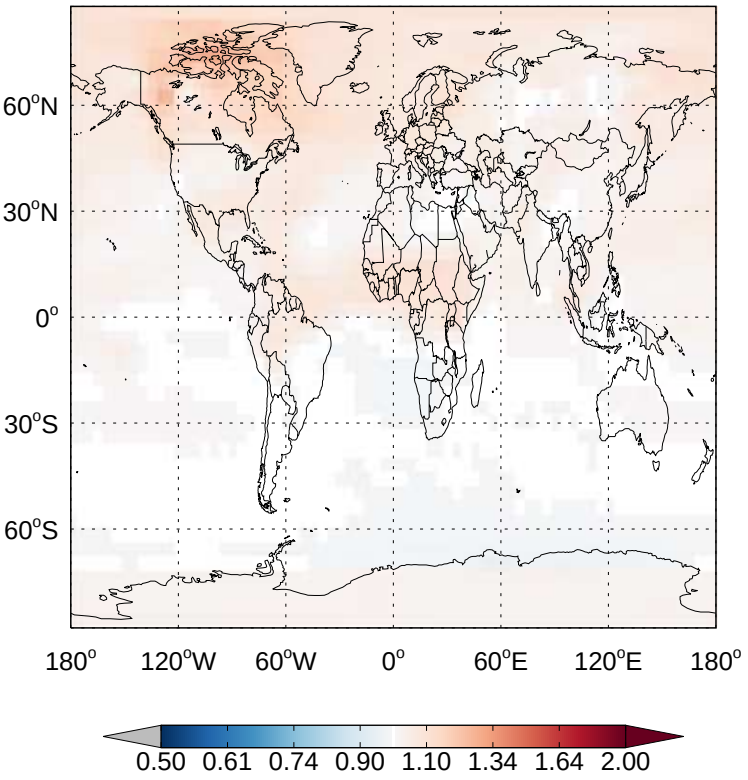
GC_12.0.0 / v11-02f-Run1

OH / Ratio @ Surface for Jul



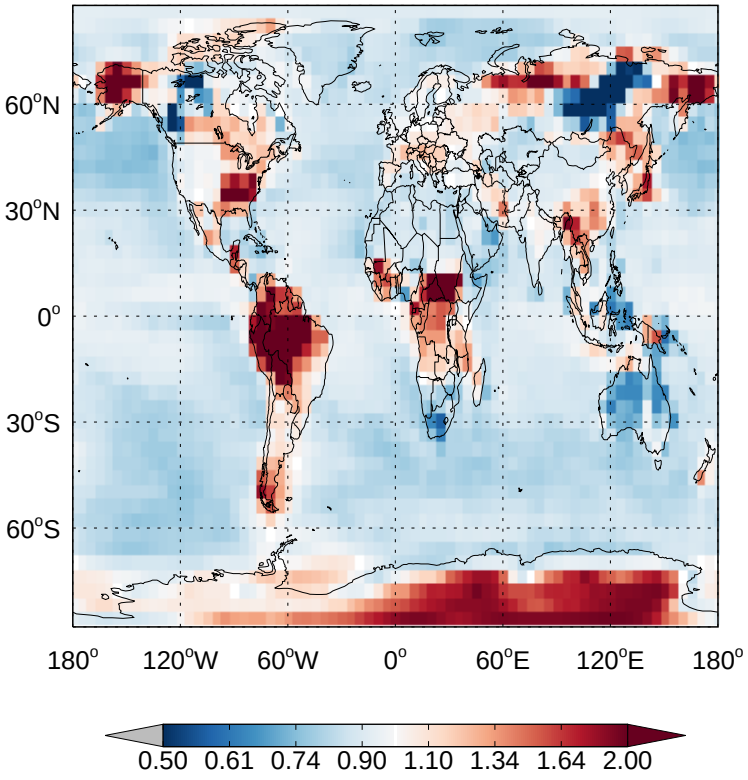
GC_12.0.0 / v11-02f-Run1

OH/ Ratio @ 500 hPa for Jul



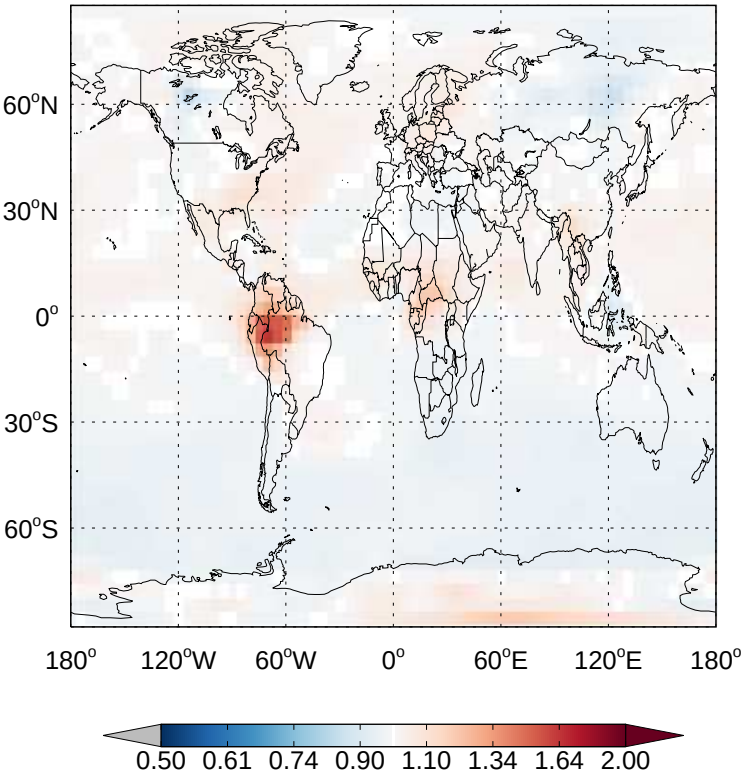
GC_12.0.0 / v11-02e-Run1

OH / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

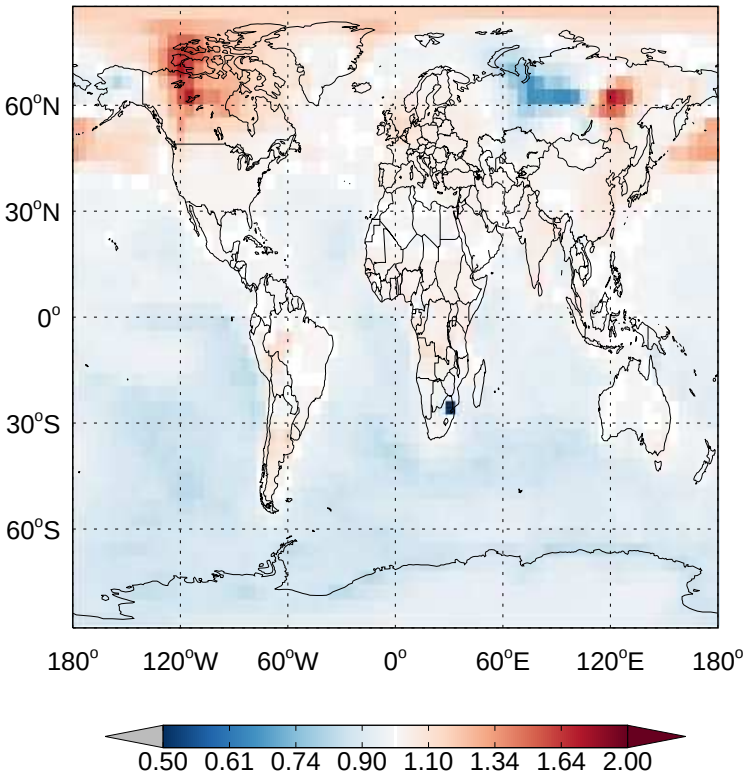
OH/ Ratio @ 500 hPa for Jul



GEOS-Chem Ratio Maps at surface and 500 hPa

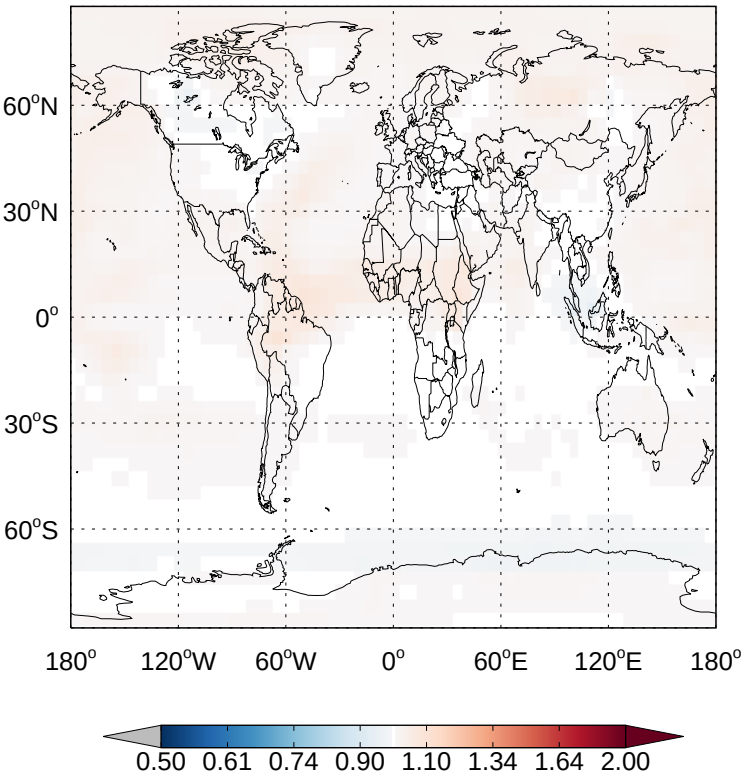
GC_12.0.0 / v11-02f-Run1

HO2 / Ratio @ Surface for Jul



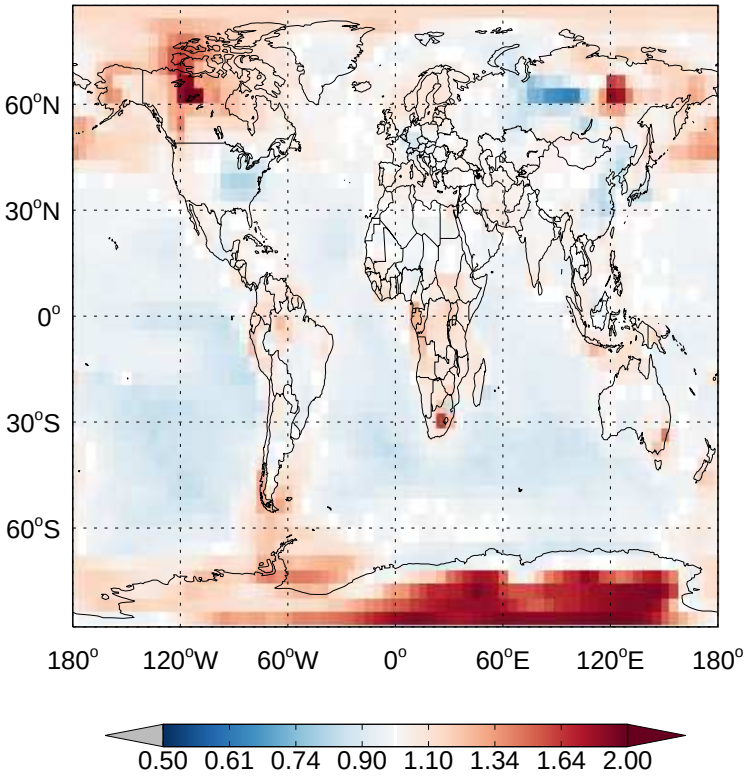
GC_12.0.0 / v11-02f-Run1

HO2/ Ratio @ 500 hPa for Jul



GC_12.0.0 / v11-02e-Run1

HO2 / Ratio @ Surface for Jul



GC_12.0.0 / v11-02e-Run1

HO2/ Ratio @ 500 hPa for Jul