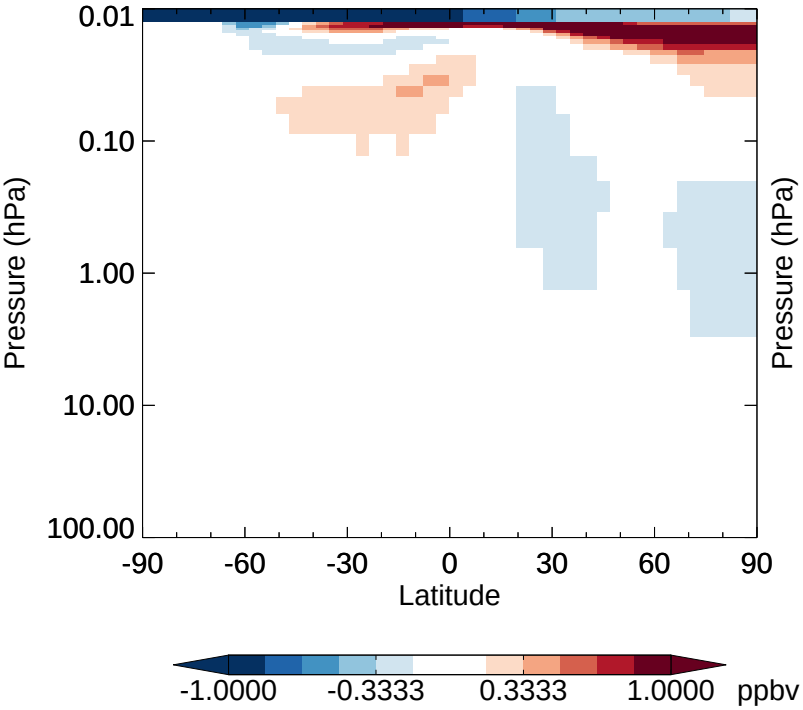
GEOS-Chem Stratospheric Zonal Difference Maps

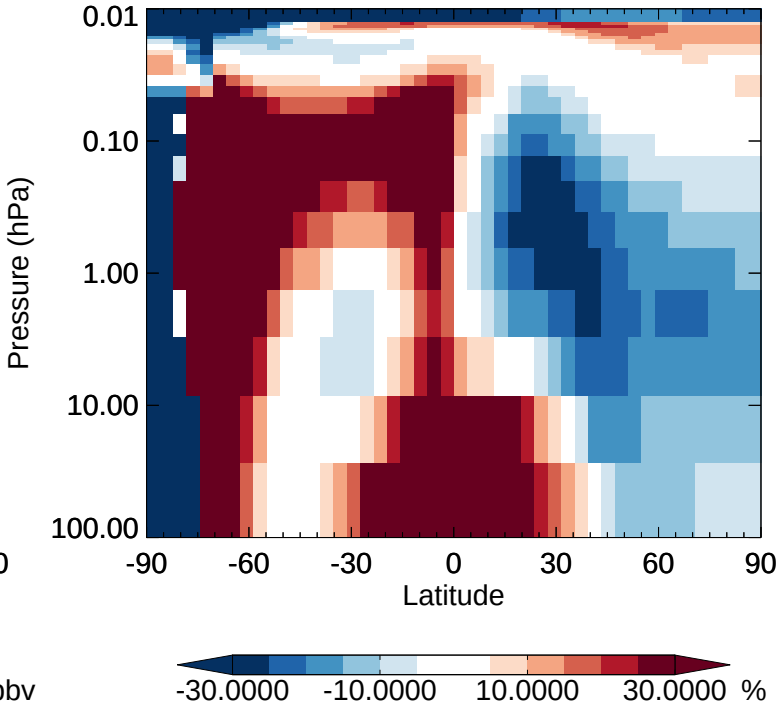
v11-02d - v11-02c

NO - Strat zonal mean abs diff for Jul



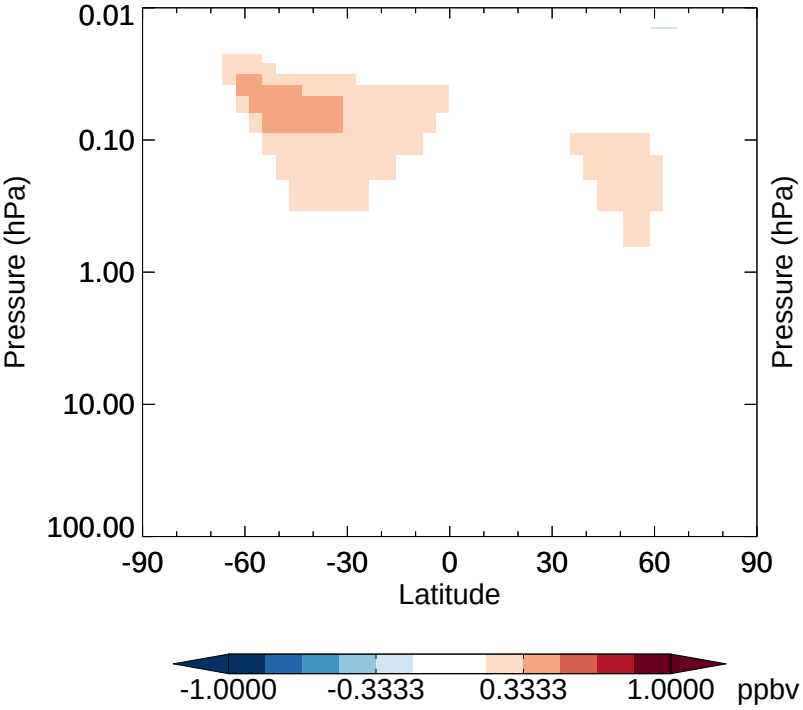
v11-02d / v11-02c

NO - Strat zonal mean % diff for Jul



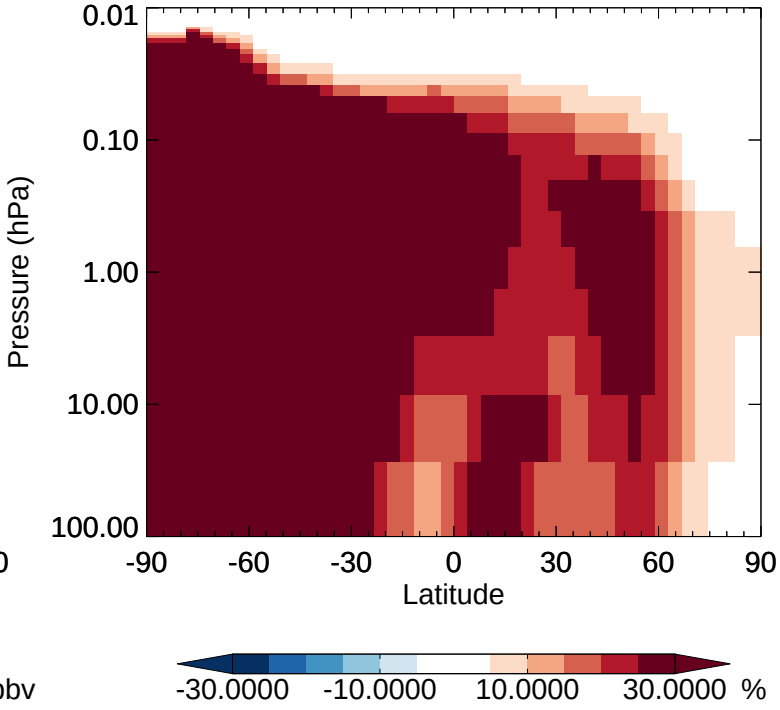
v11-02d - v11-02a

NO - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

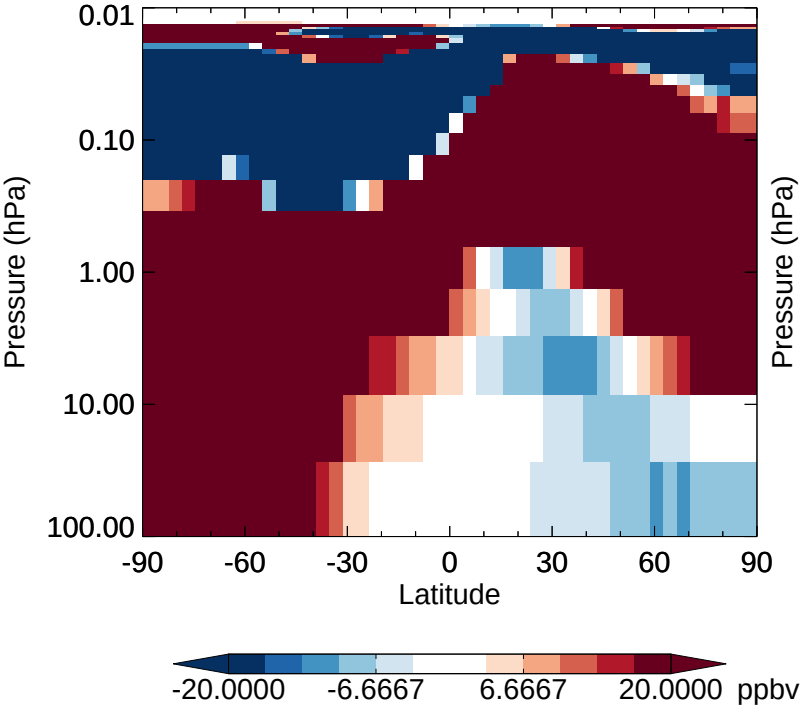
NO - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

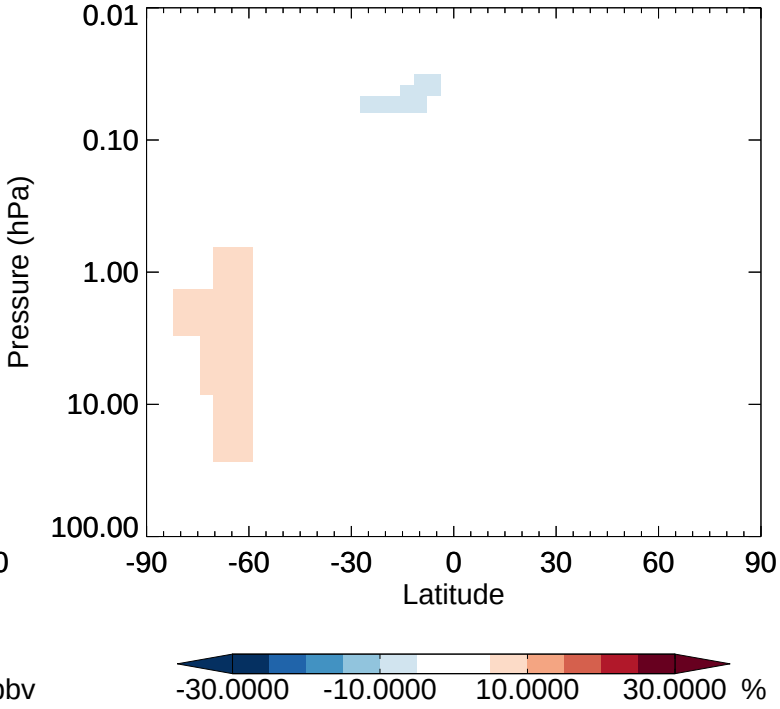
v11-02d - v11-02c

O3 - Strat zonal mean abs diff for Jul



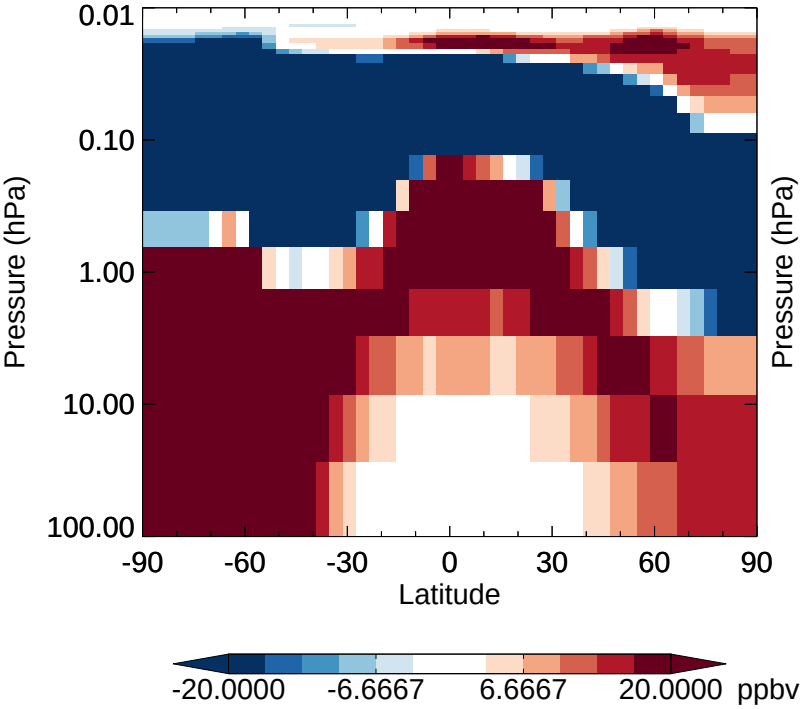
v11-02d / v11-02c

O3 - Strat zonal mean % diff for Jul



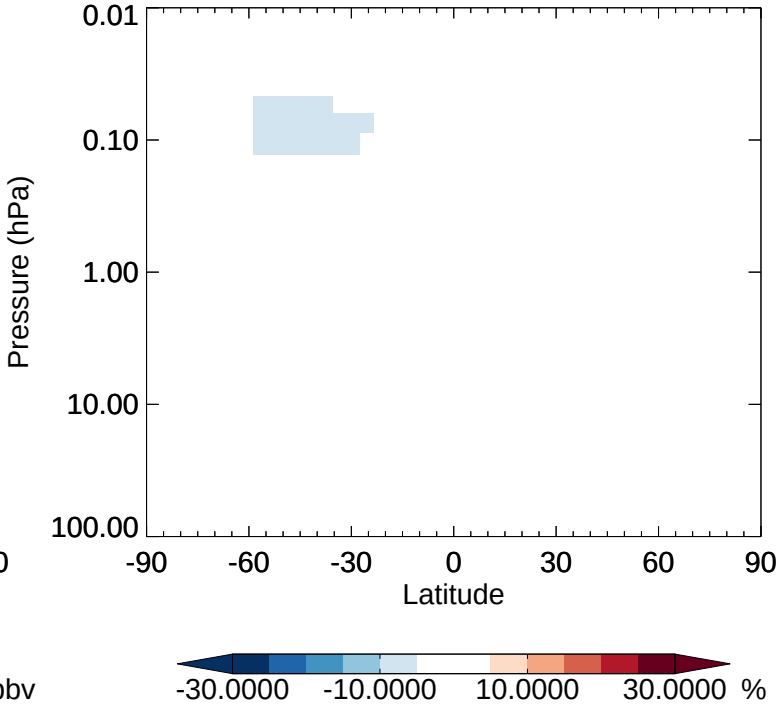
v11-02d - v11-02a

O3 - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

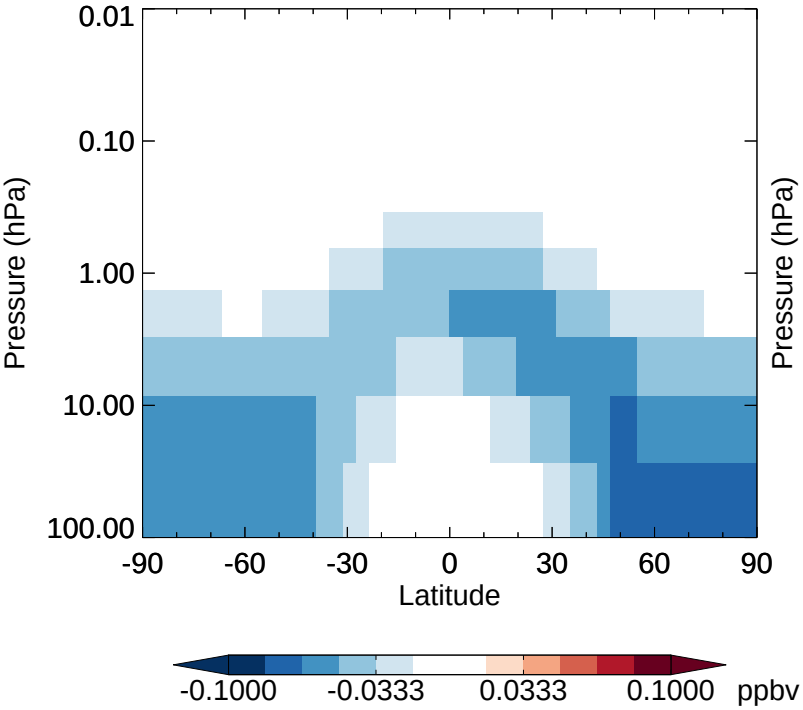
O3 - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

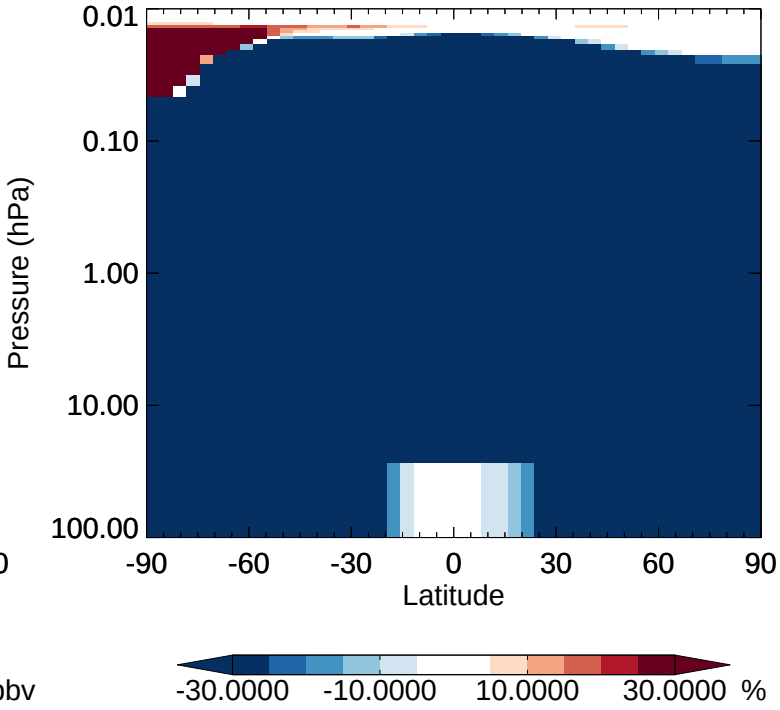
v11-02d - v11-02c

PAN - Strat zonal mean abs diff for Jul



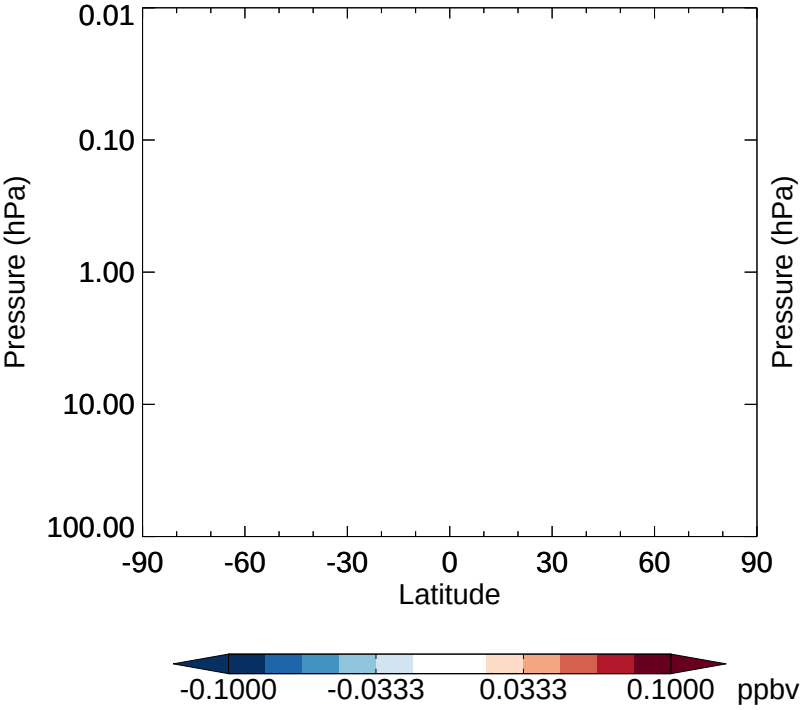
v11-02d / v11-02c

PAN - Strat zonal mean % diff for Jul



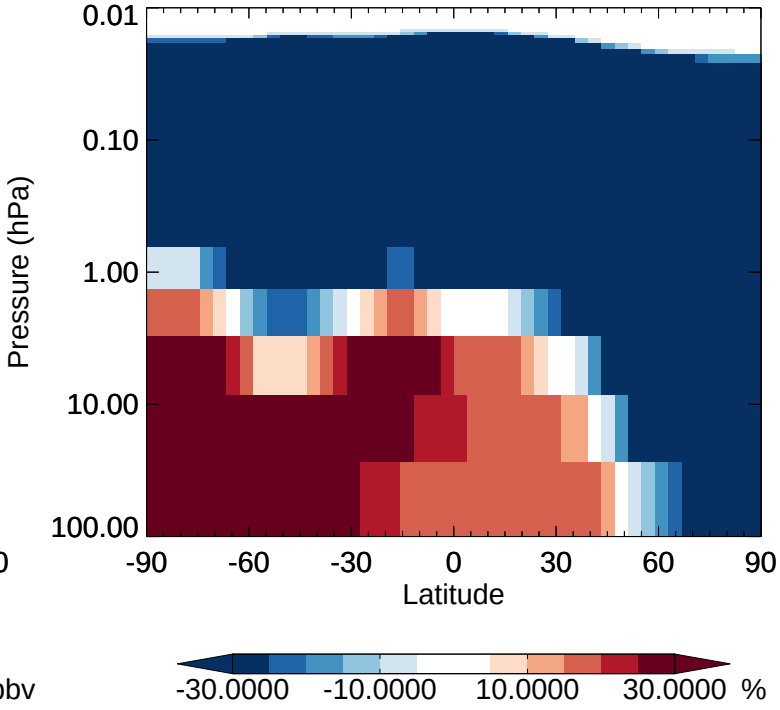
v11-02d - v11-02a

PAN - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

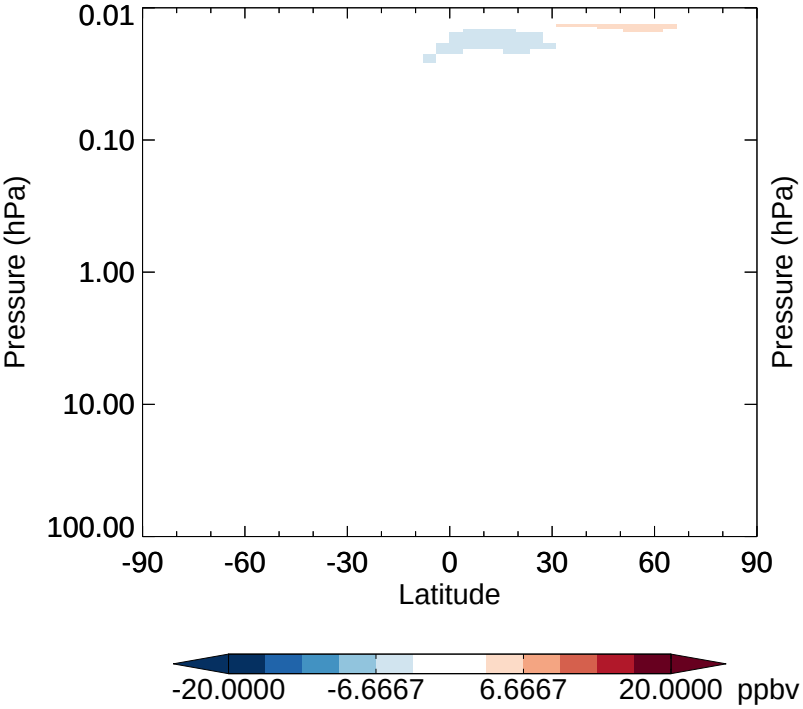
PAN - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

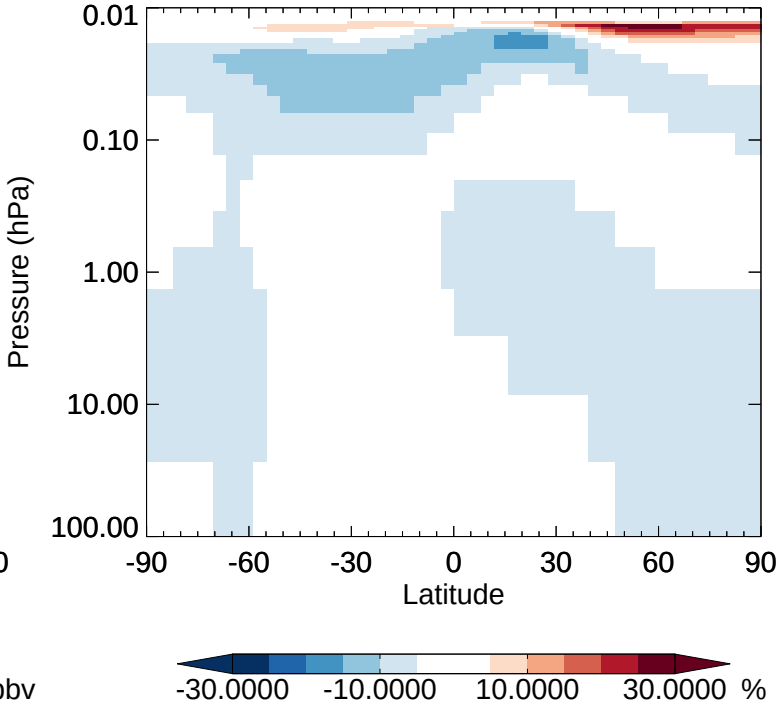
v11-02d - v11-02c

CO - Strat zonal mean abs diff for Jul



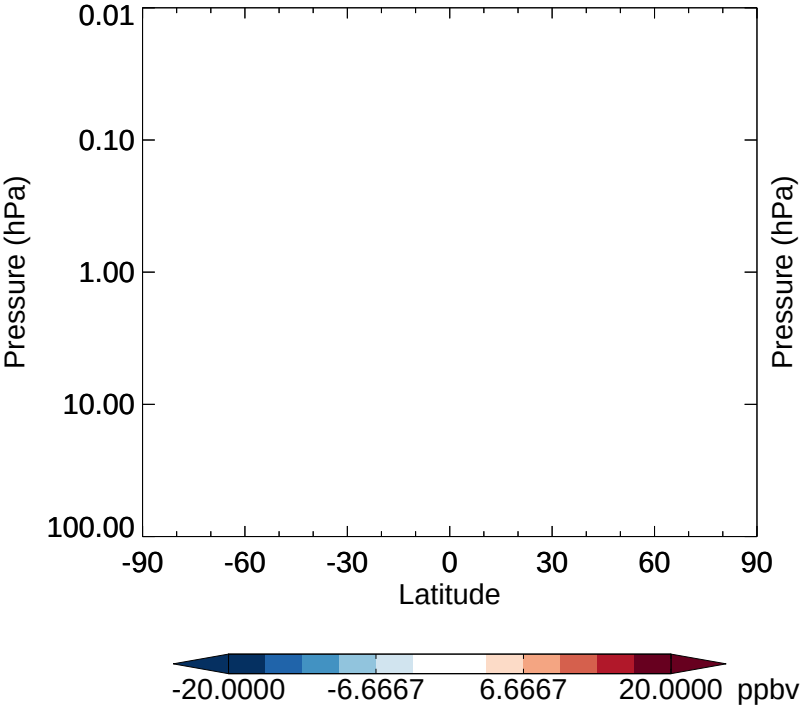
v11-02d / v11-02c

CO - Strat zonal mean % diff for Jul



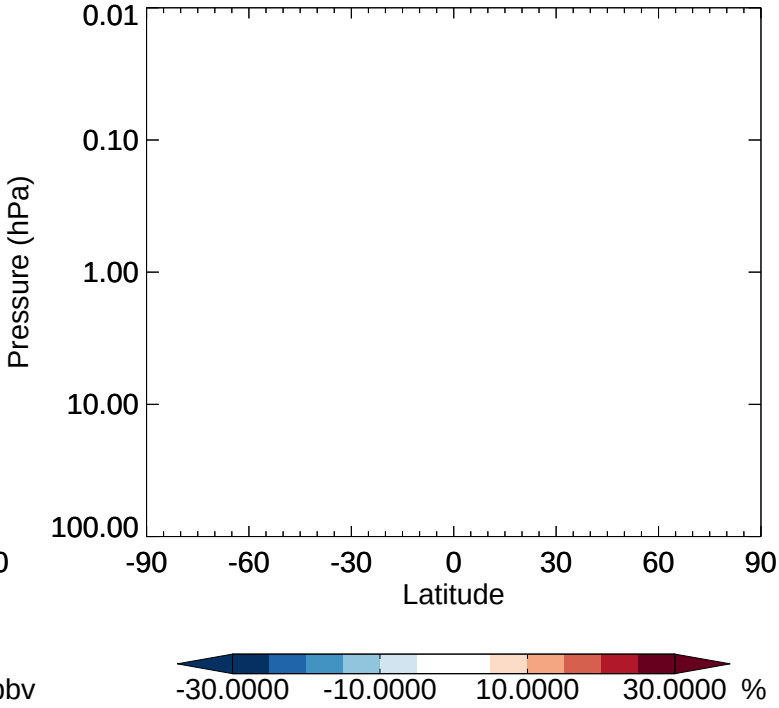
v11-02d - v11-02a

CO - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

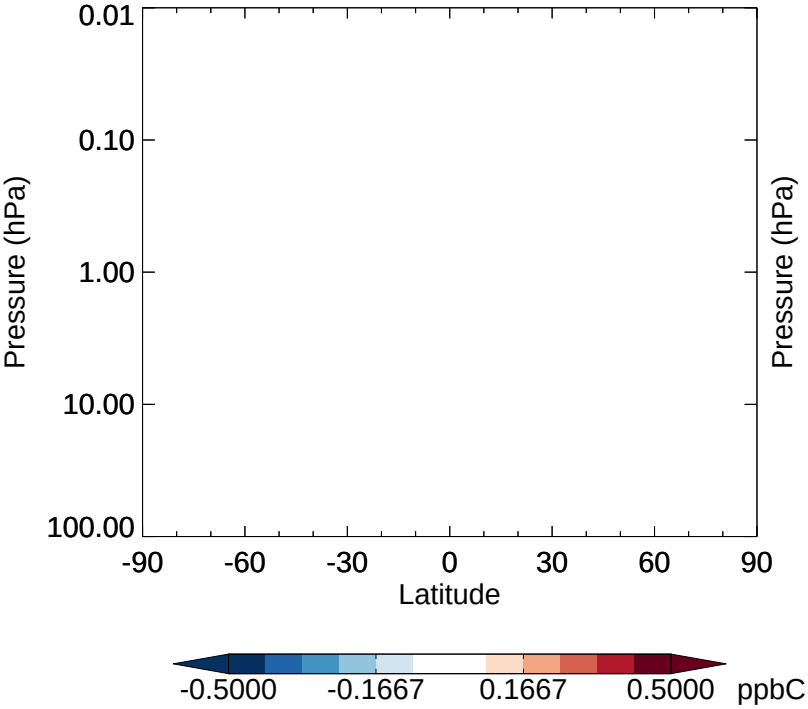
CO - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

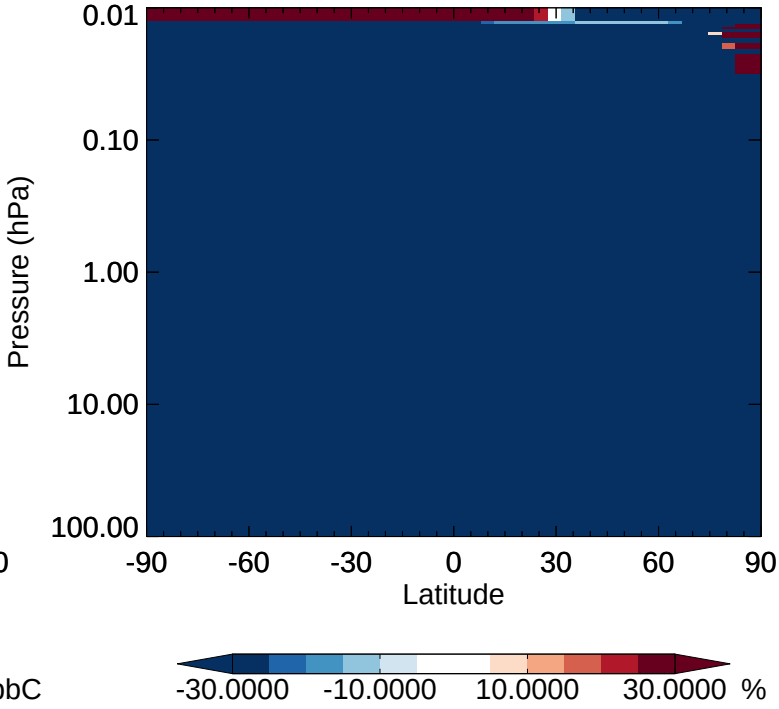
v11-02d - v11-02c

ALK4 - Strat zonal mean abs diff for Jul



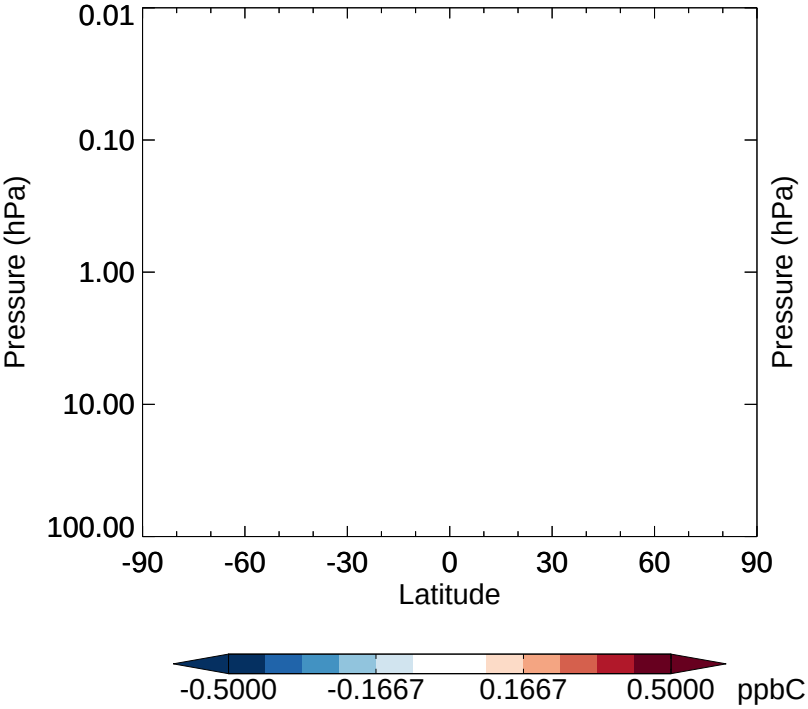
v11-02d / v11-02c

ALK4 - Strat zonal mean % diff for Jul



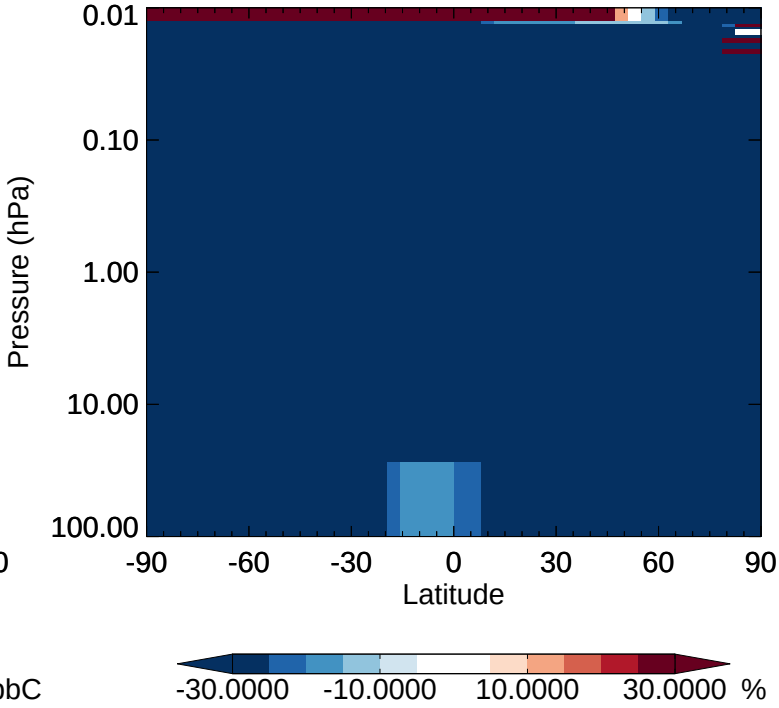
v11-02d - v11-02a

ALK4 - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

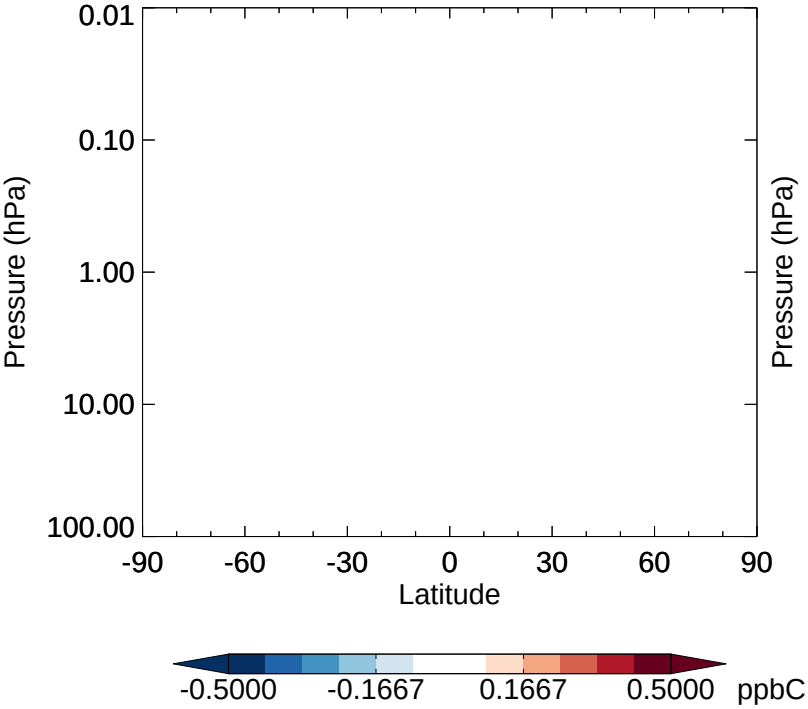
ALK4 - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

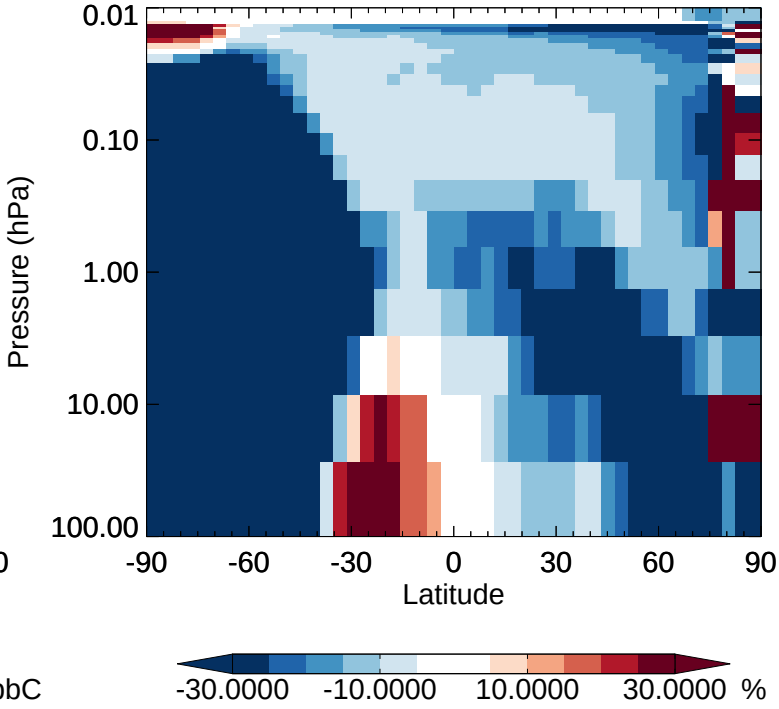
v11-02d - v11-02c

ISOP - Strat zonal mean abs diff for Jul



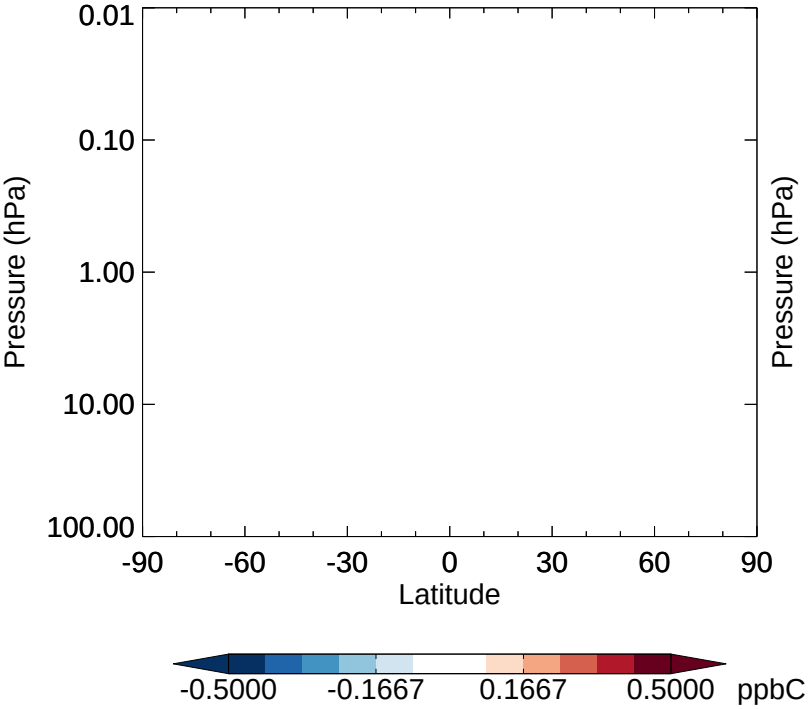
v11-02d / v11-02c

ISOP - Strat zonal mean % diff for Jul



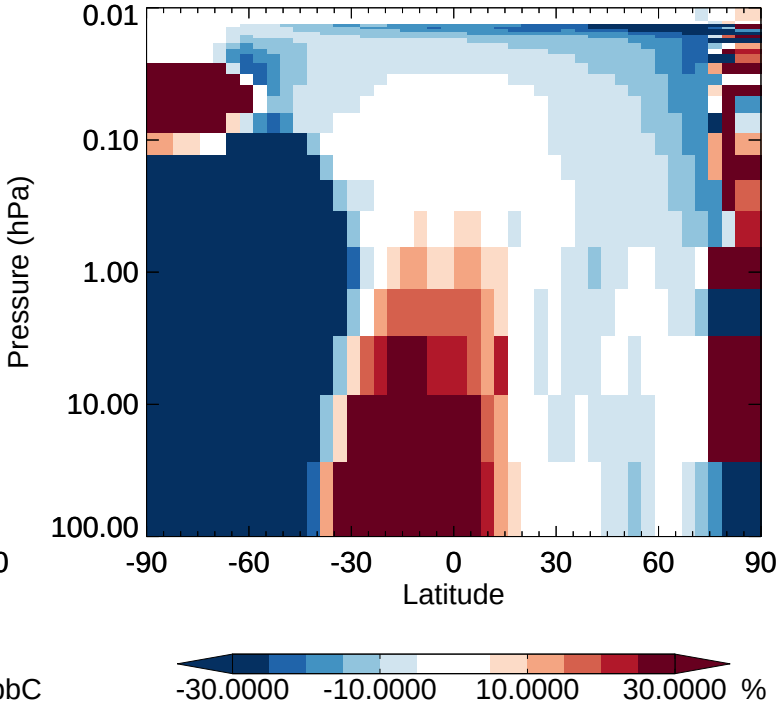
v11-02d - v11-02a

ISOP - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

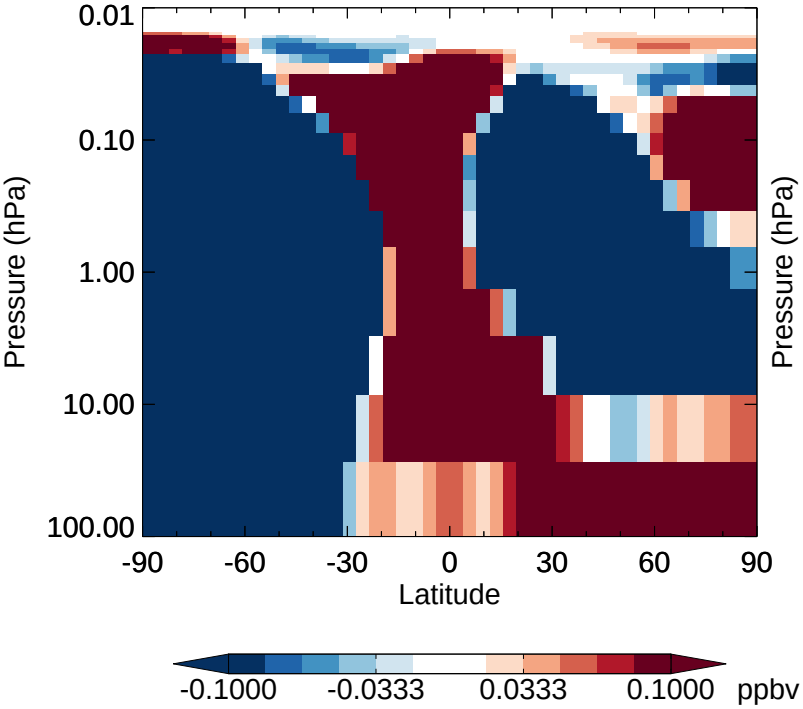
ISOP - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

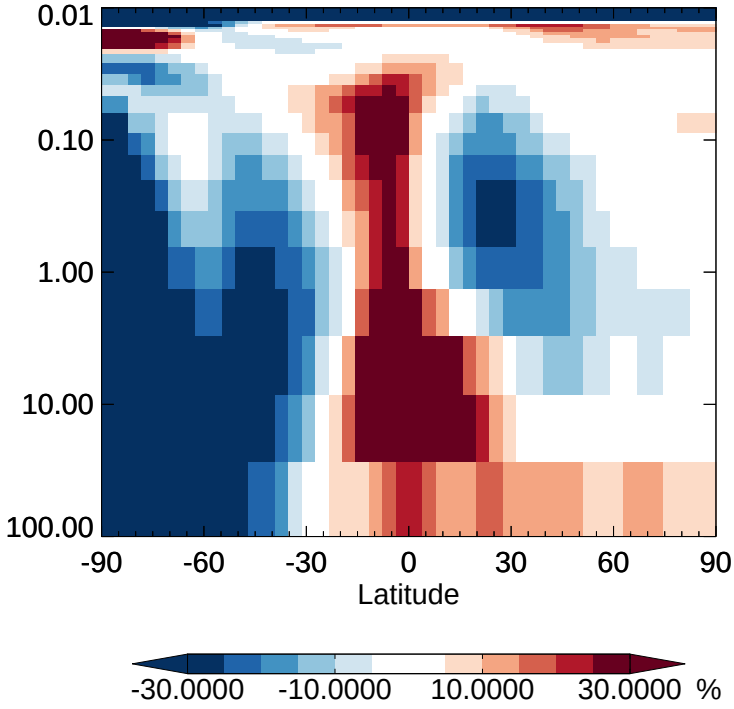
v11-02d - v11-02c

HNO3 - Strat zonal mean abs diff for Jul



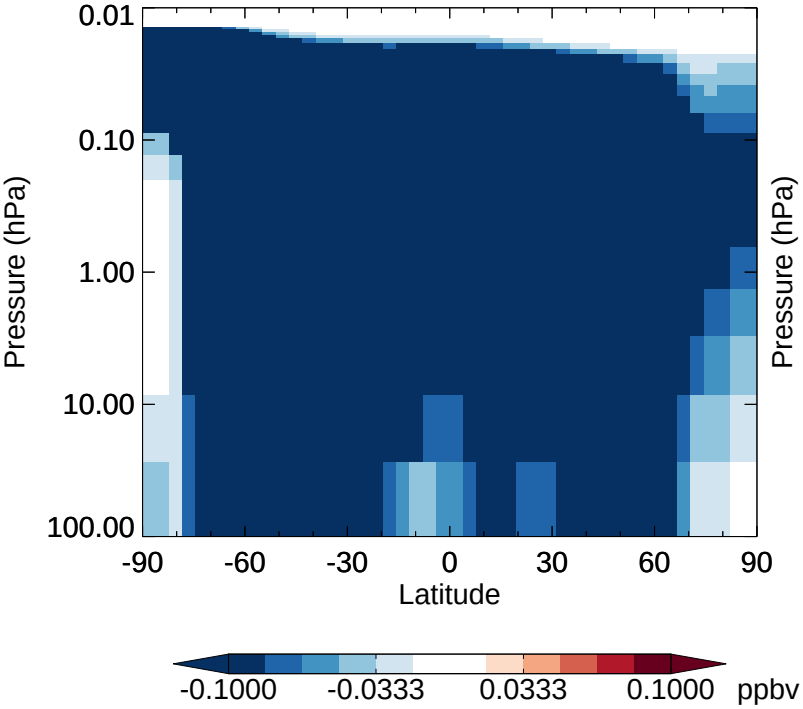
v11-02d / v11-02c

HNO3 - Strat zonal mean % diff for Jul



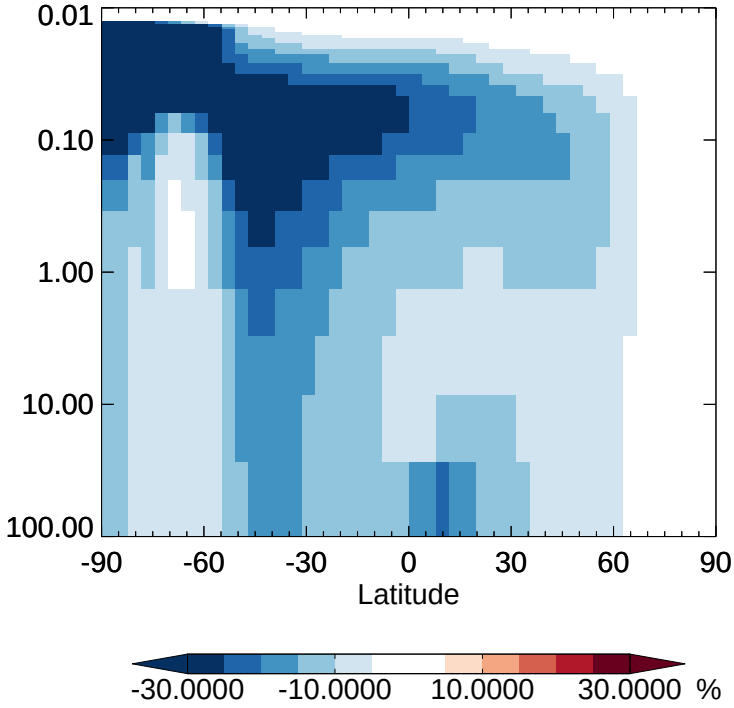
v11-02d - v11-02a

HNO3 - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

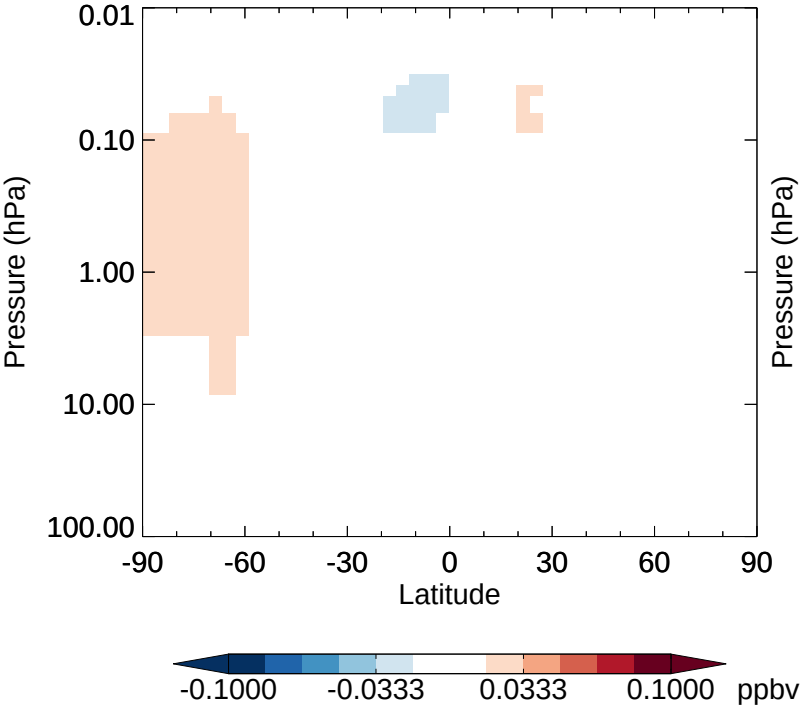
HNO3 - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

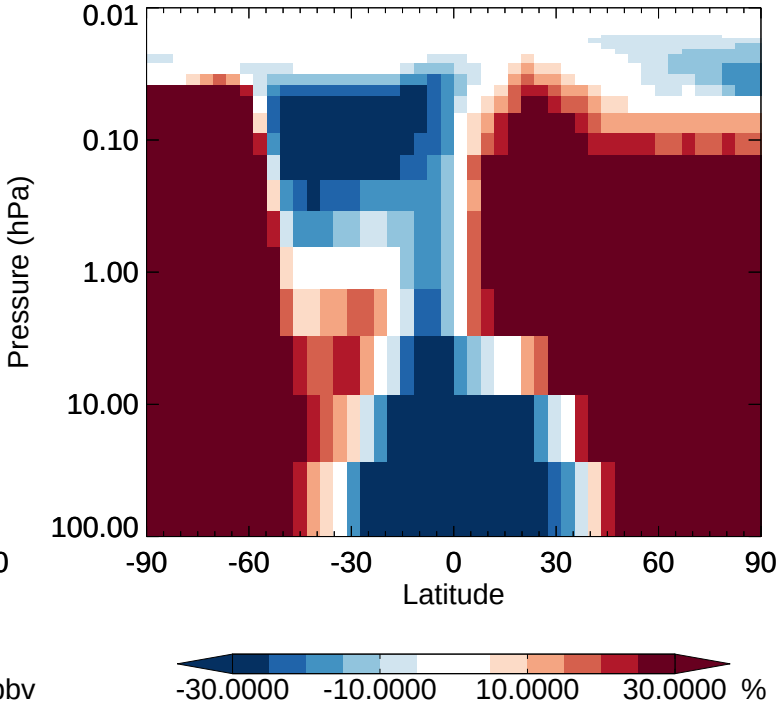
v11-02d - v11-02c

H2O2 - Strat zonal mean abs diff for Jul



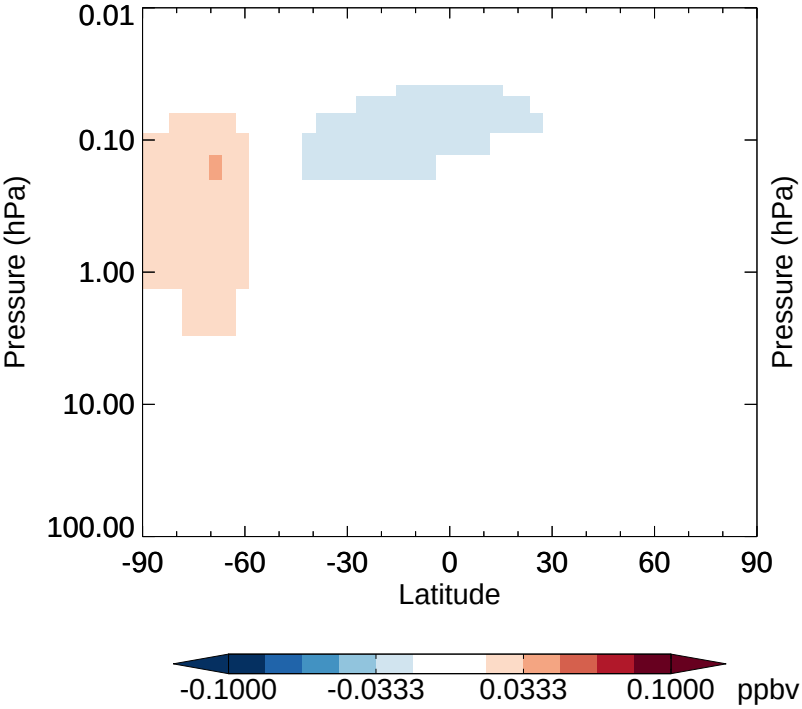
v11-02d / v11-02c

H2O2 - Strat zonal mean % diff for Jul



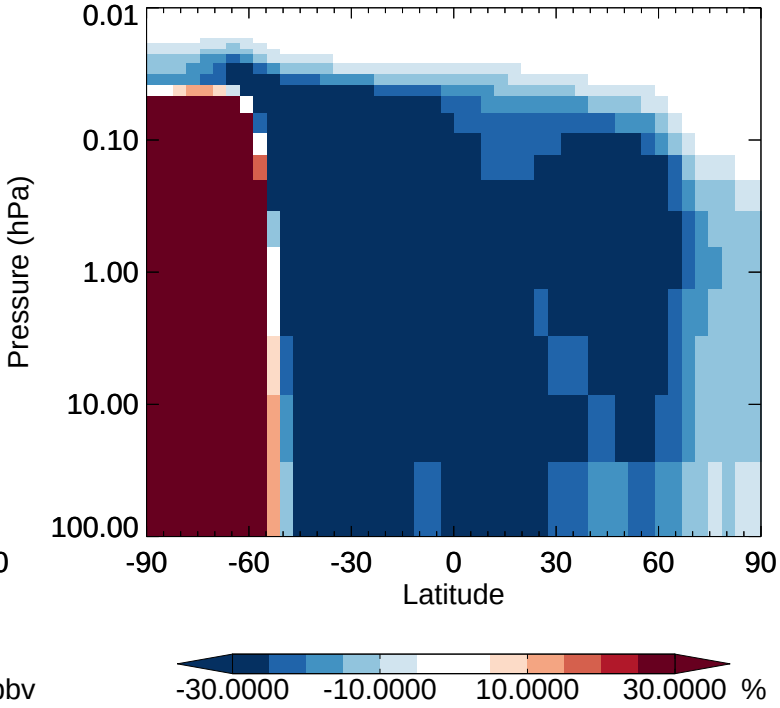
v11-02d - v11-02a

H2O2 - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

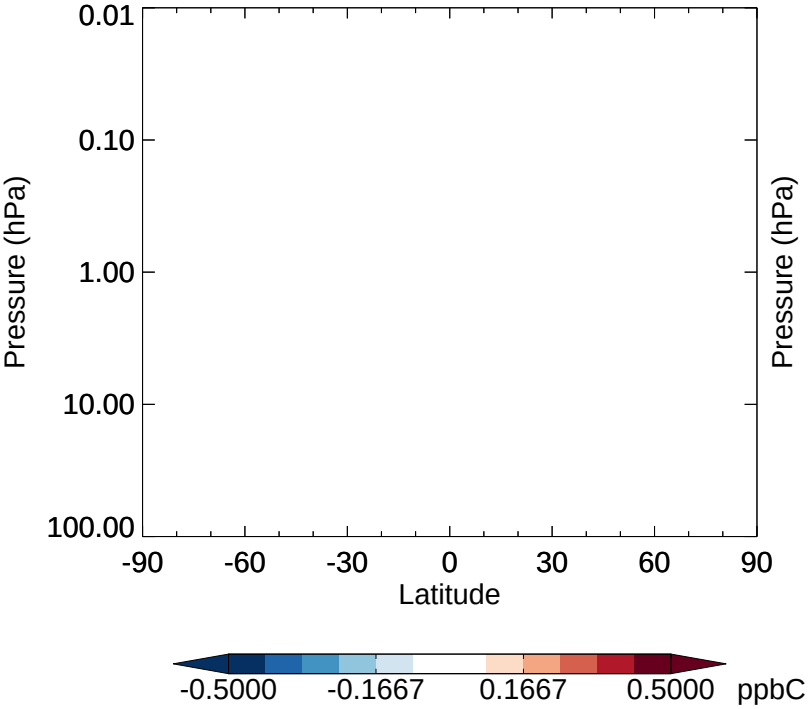
H2O2 - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

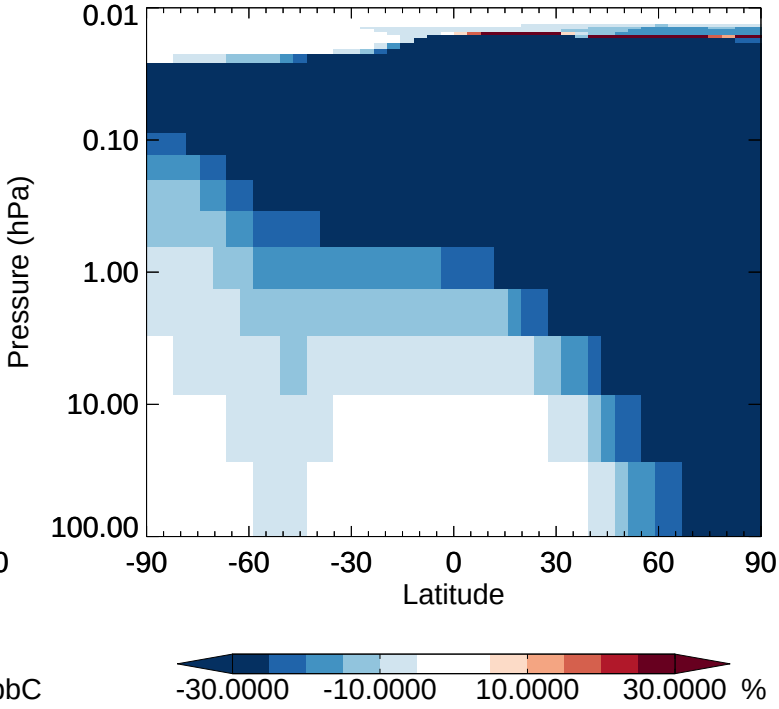
v11-02d - v11-02c

ACET - Strat zonal mean abs diff for Jul



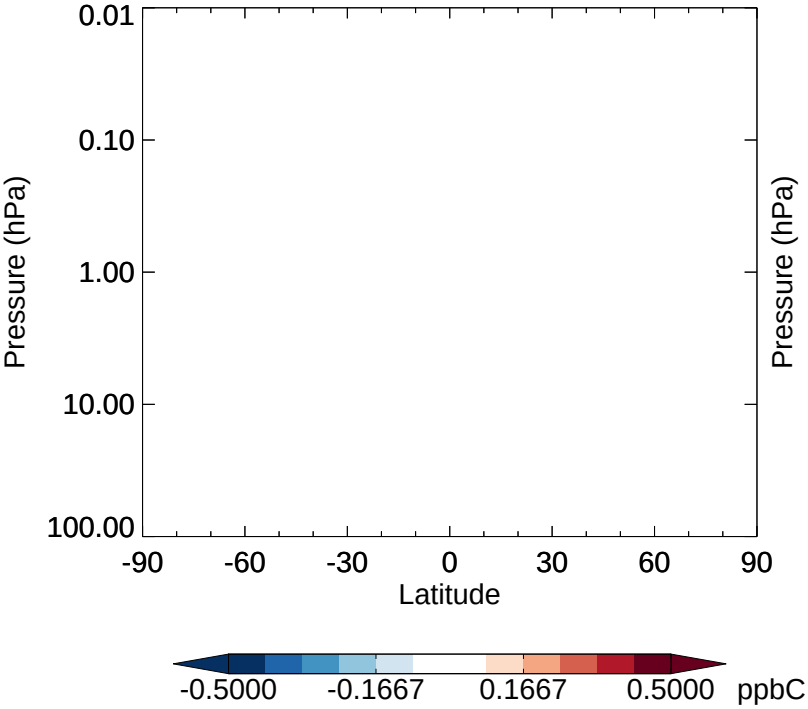
v11-02d / v11-02c

ACET - Strat zonal mean % diff for Jul



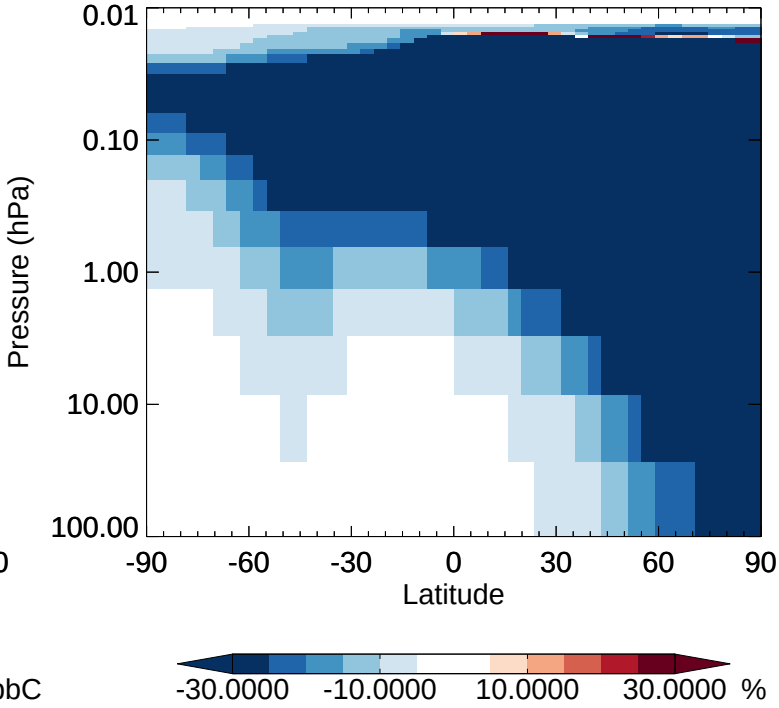
v11-02d - v11-02a

ACET - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

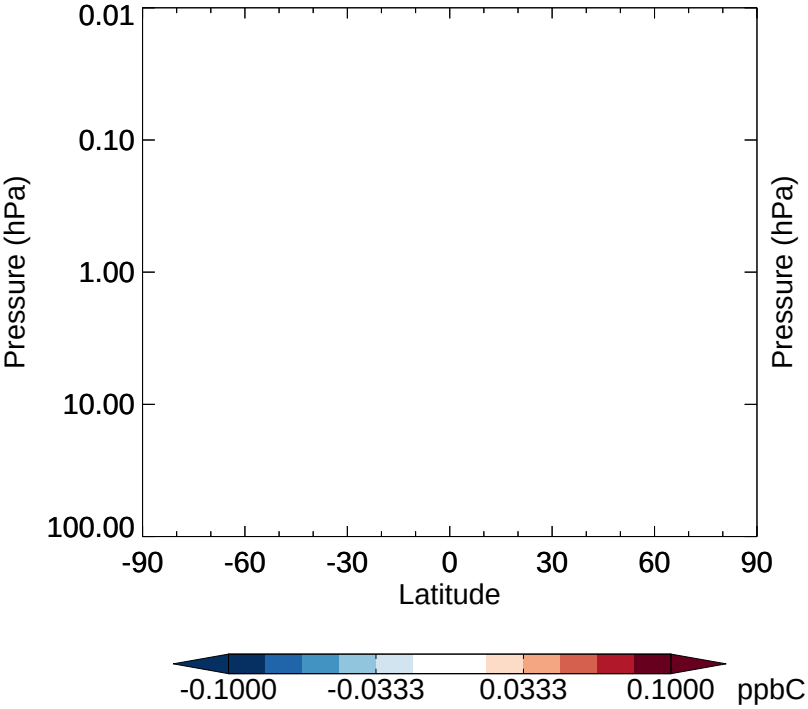
ACET - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

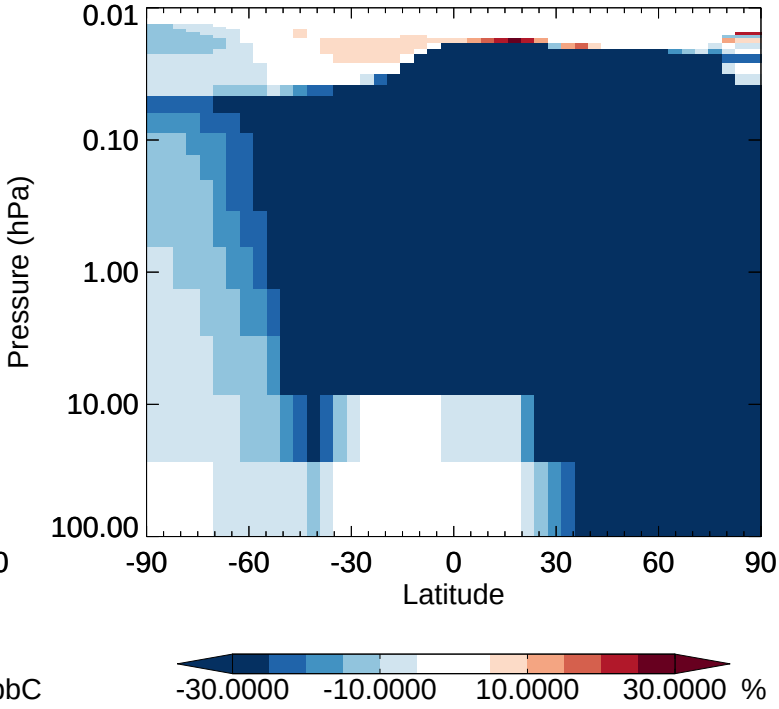
v11-02d - v11-02c

MEK - Strat zonal mean abs diff for Jul



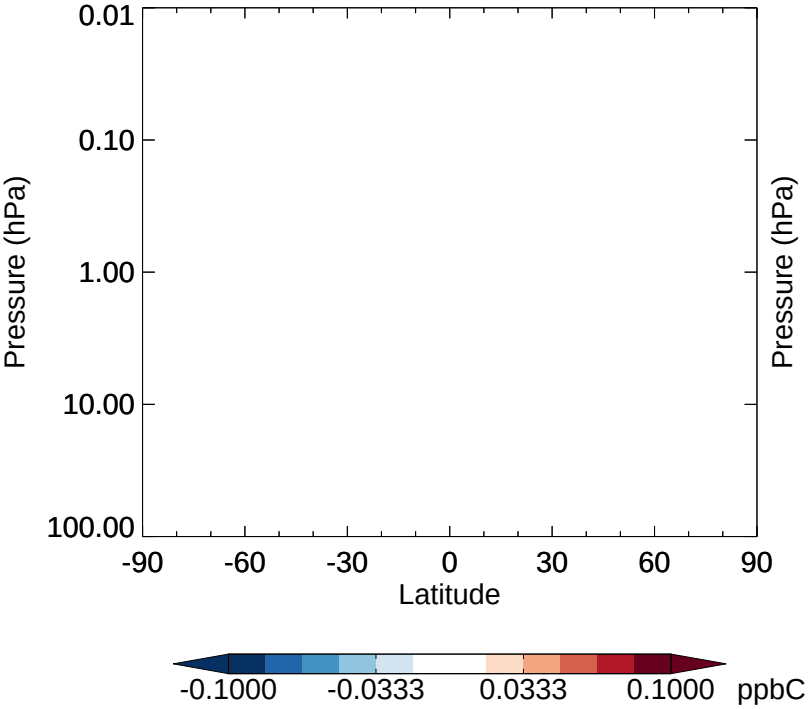
v11-02d / v11-02c

MEK - Strat zonal mean % diff for Jul



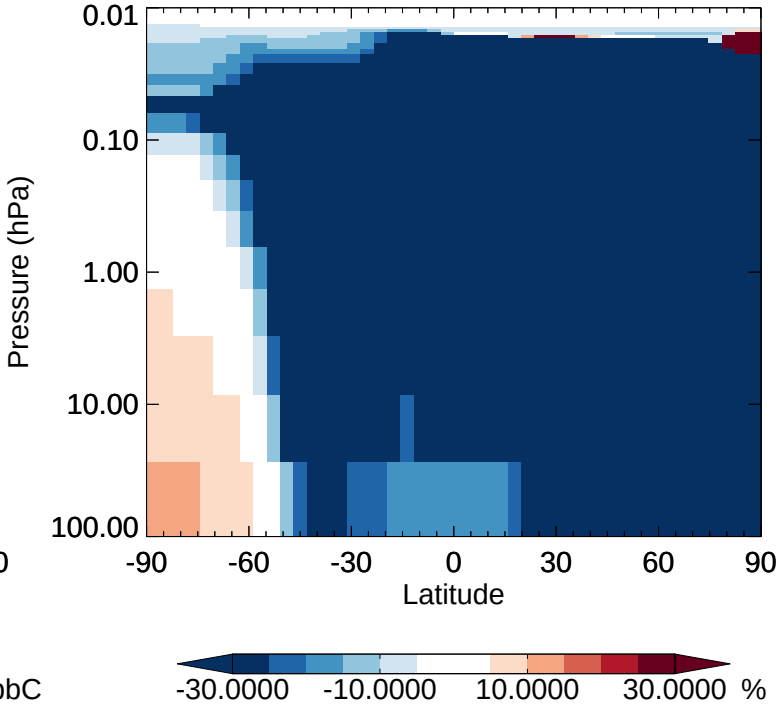
v11-02d - v11-02a

MEK - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

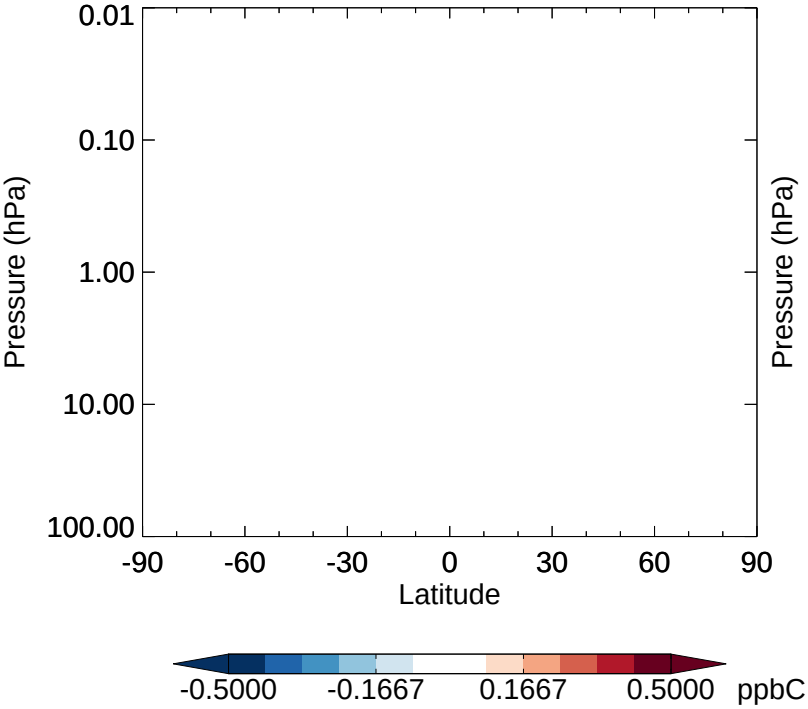
MEK - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

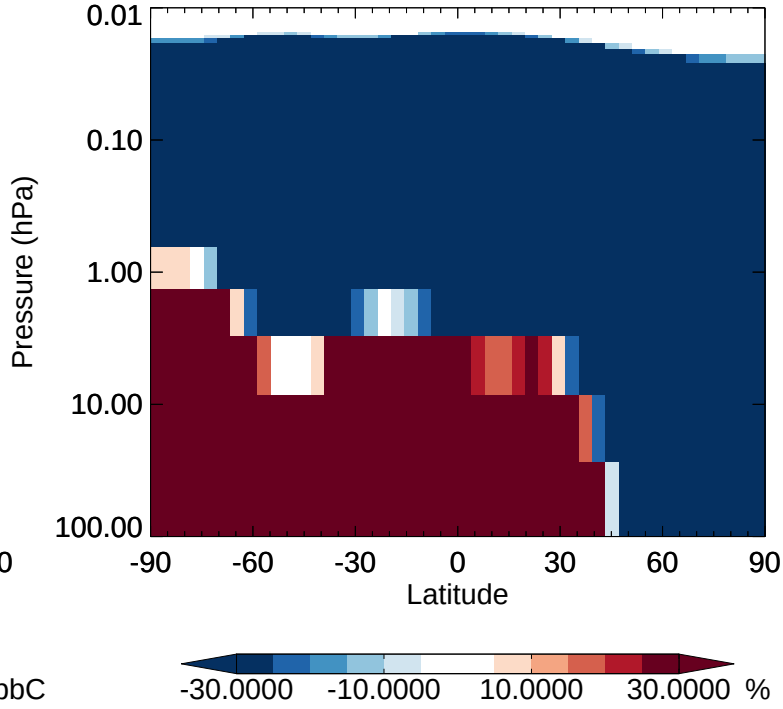
v11-02d - v11-02c

ALD2 - Strat zonal mean abs diff for Jul



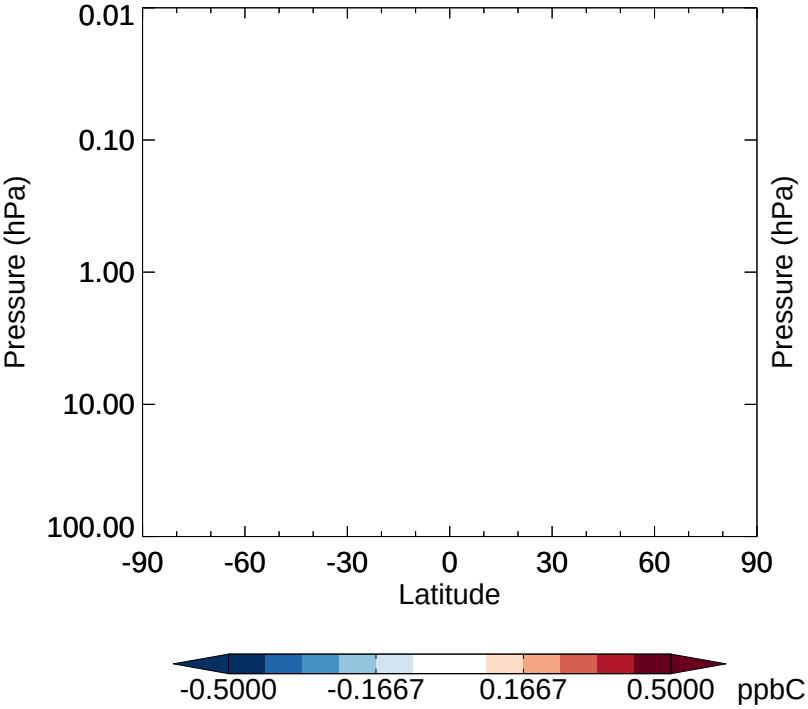
v11-02d / v11-02c

ALD2 - Strat zonal mean % diff for Jul



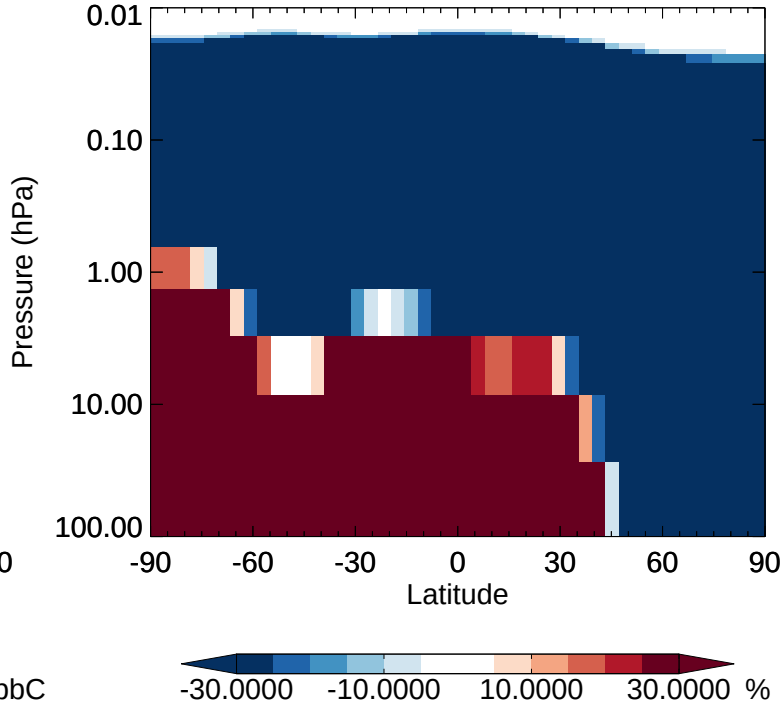
v11-02d - v11-02a

ALD2 - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

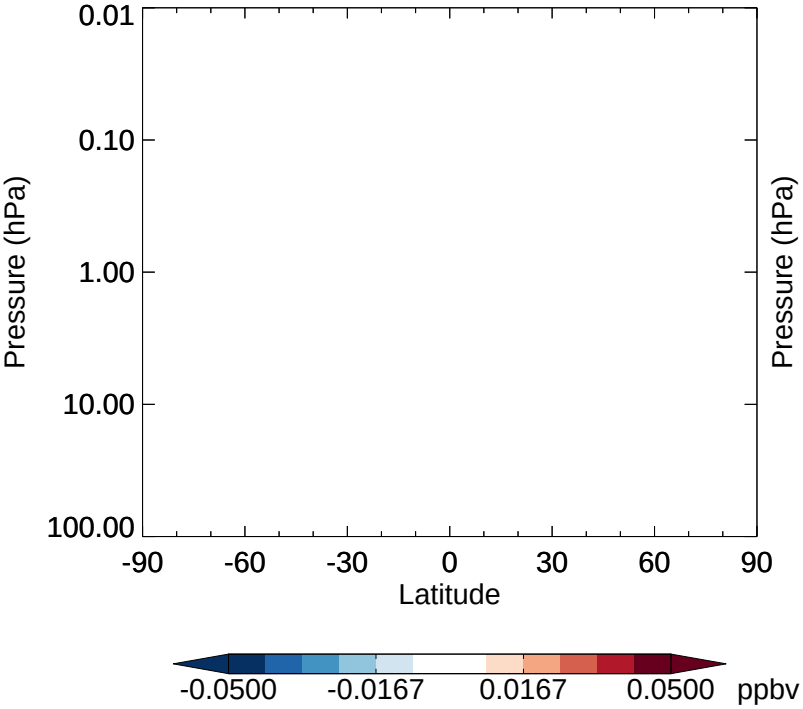
ALD2 - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

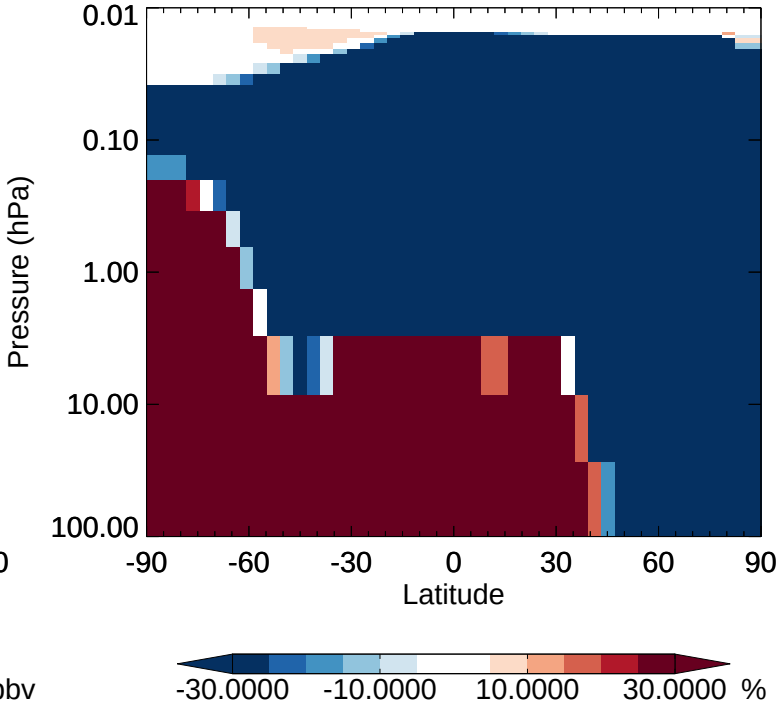
v11-02d - v11-02c

RCHO - Strat zonal mean abs diff for Jul



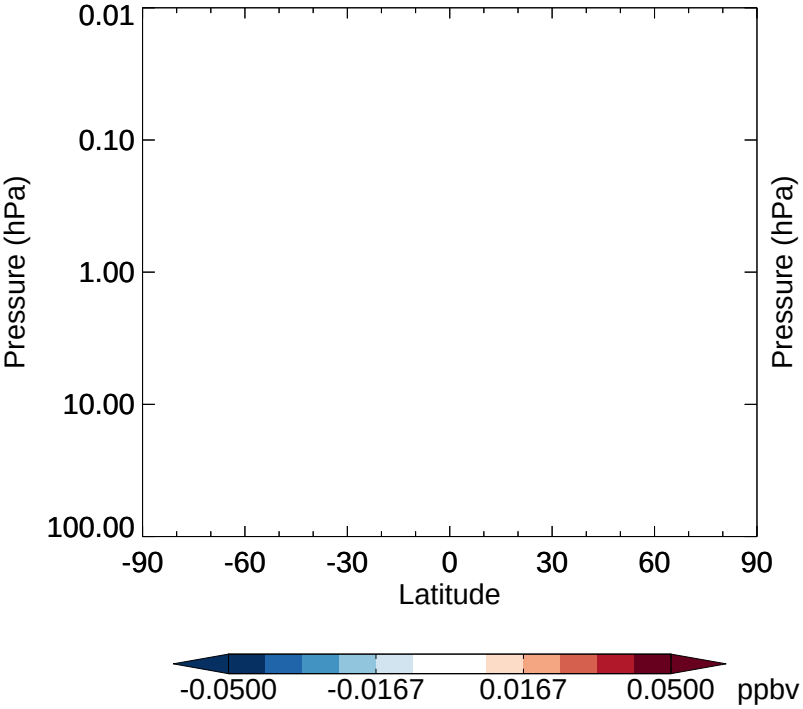
v11-02d / v11-02c

RCHO - Strat zonal mean % diff for Jul



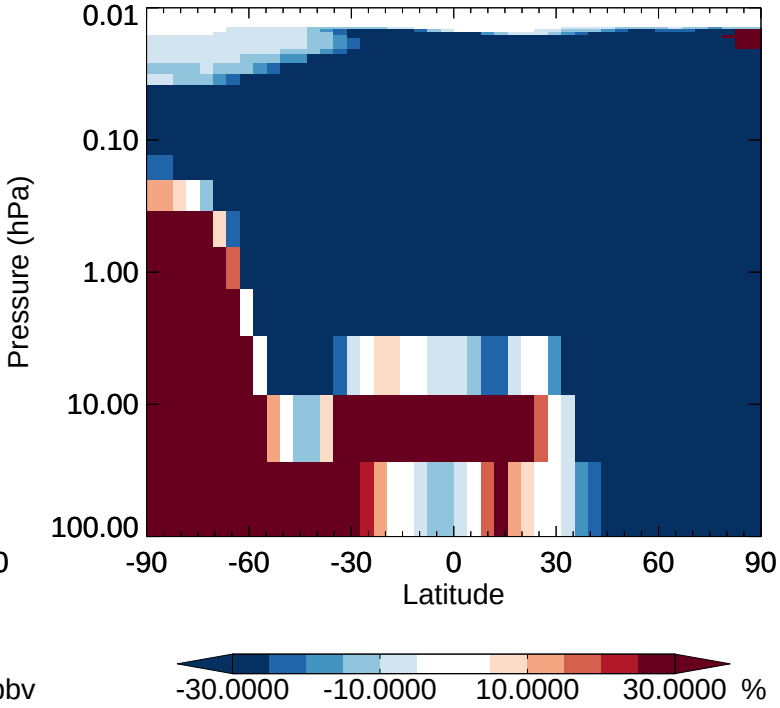
v11-02d - v11-02a

RCHO - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

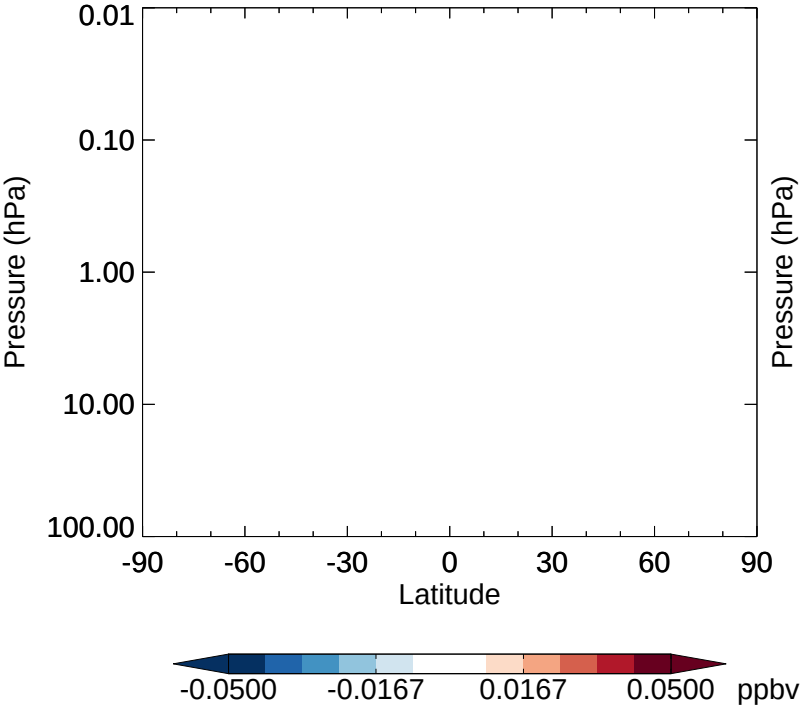
RCHO - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

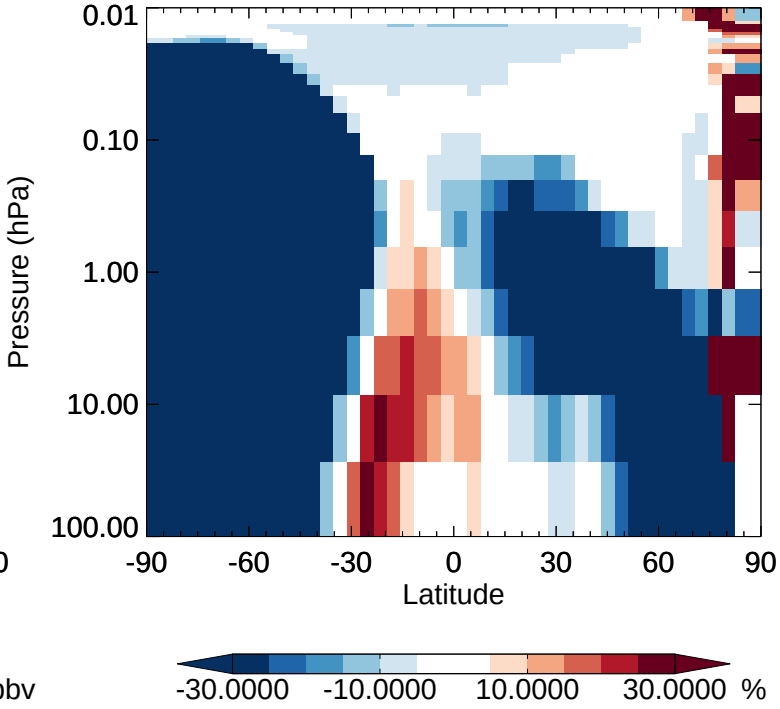
v11-02d - v11-02c

MVK - Strat zonal mean abs diff for Jul



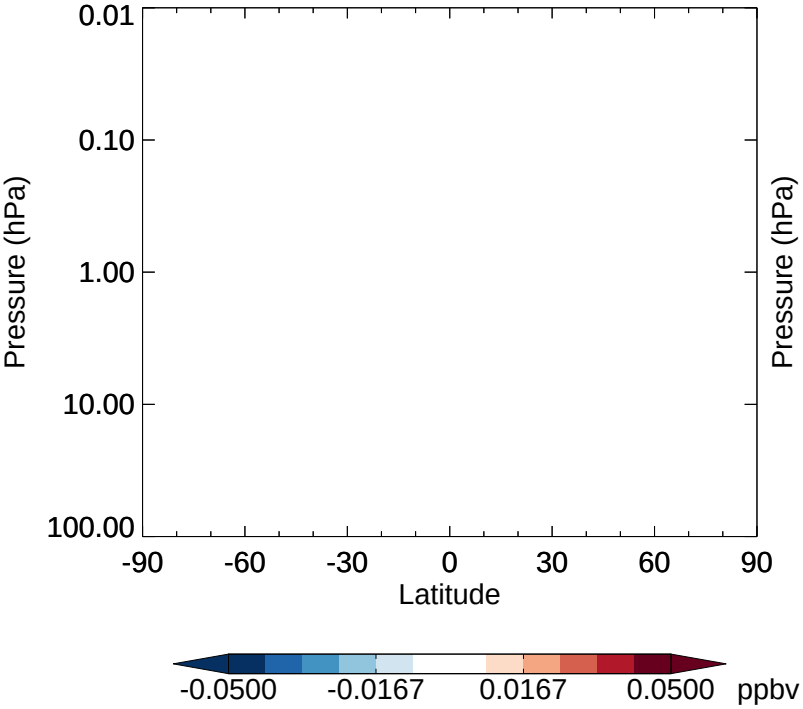
v11-02d / v11-02c

MVK - Strat zonal mean % diff for Jul



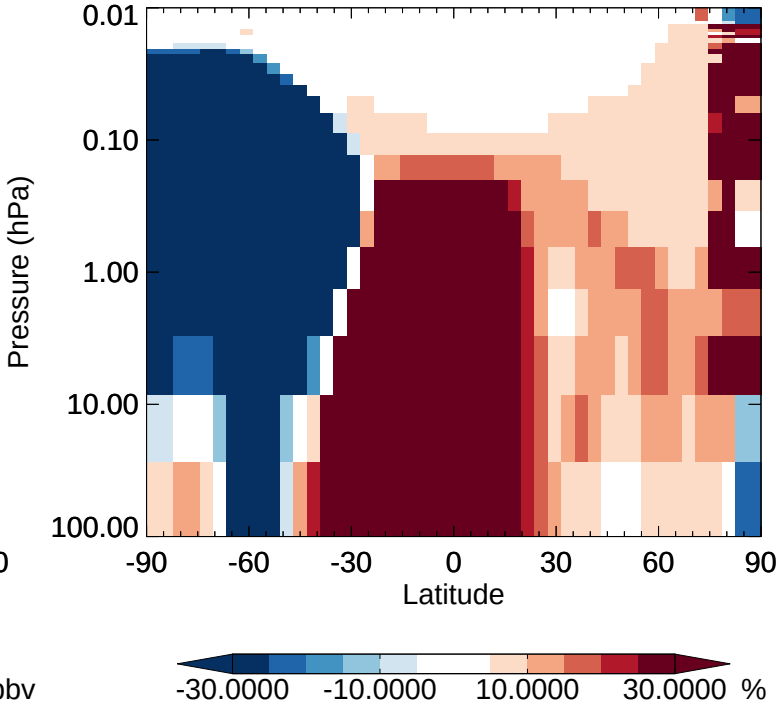
v11-02d - v11-02a

MVK - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

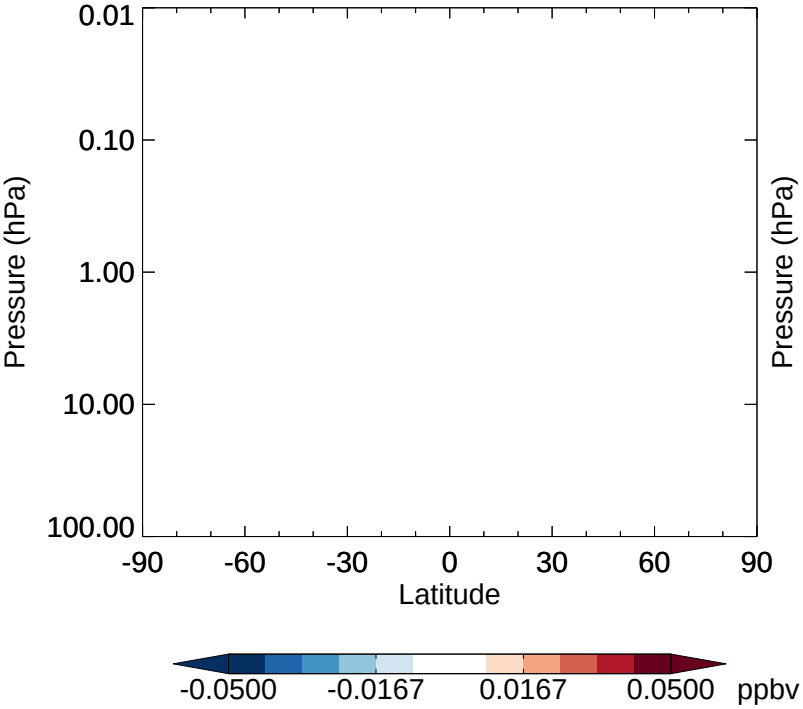
MVK - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

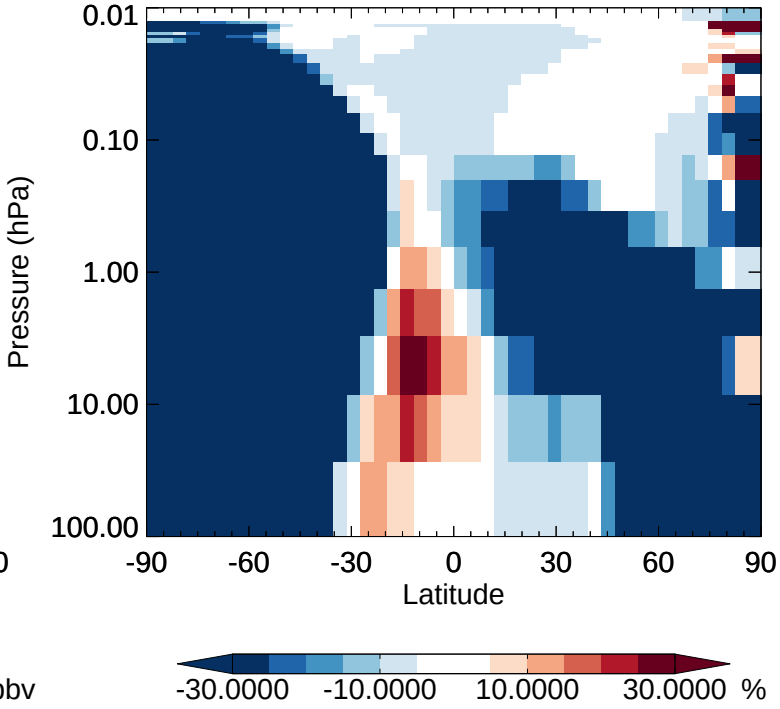
v11-02d - v11-02c

MACR - Strat zonal mean abs diff for Jul



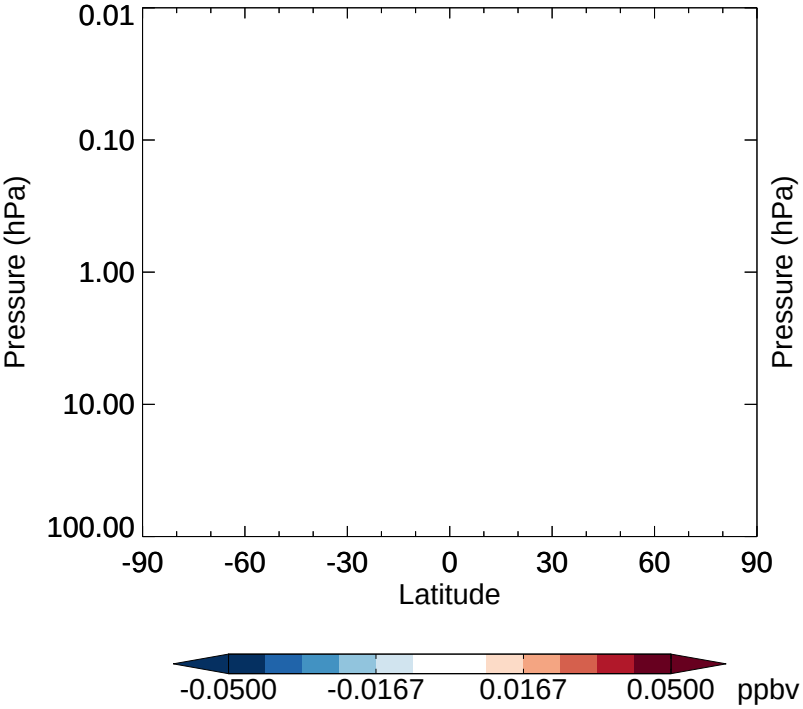
v11-02d / v11-02c

MACR - Strat zonal mean % diff for Jul



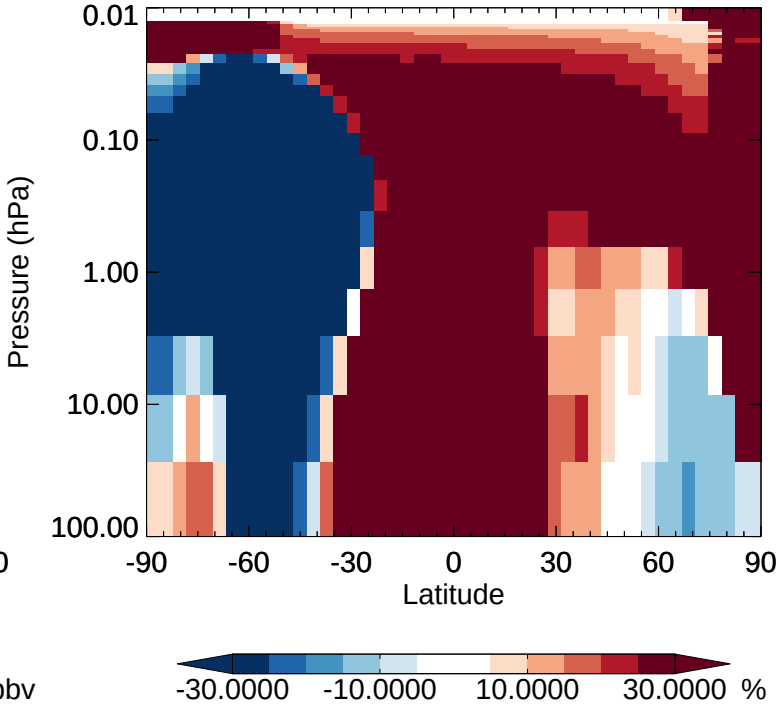
v11-02d - v11-02a

MACR - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

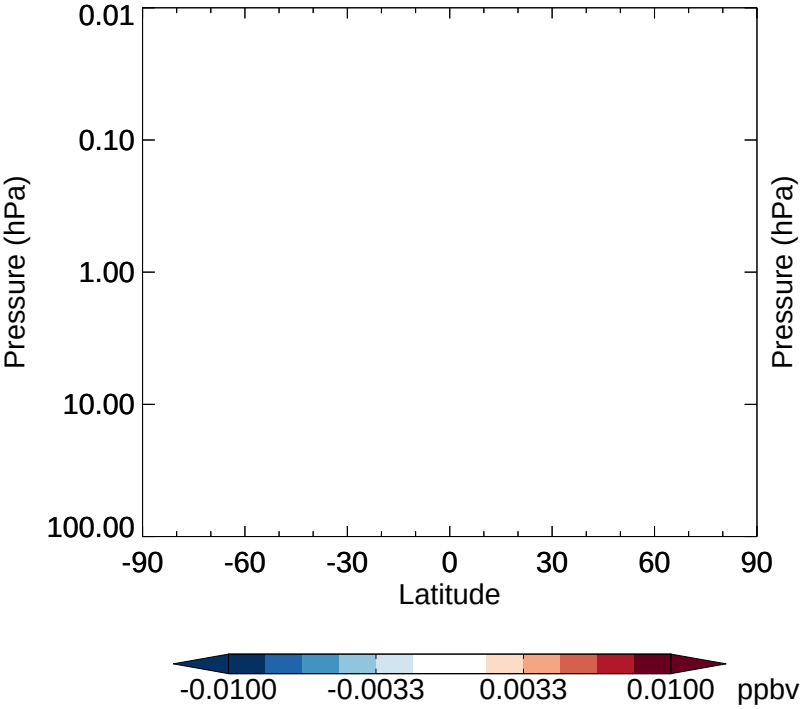
MACR - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

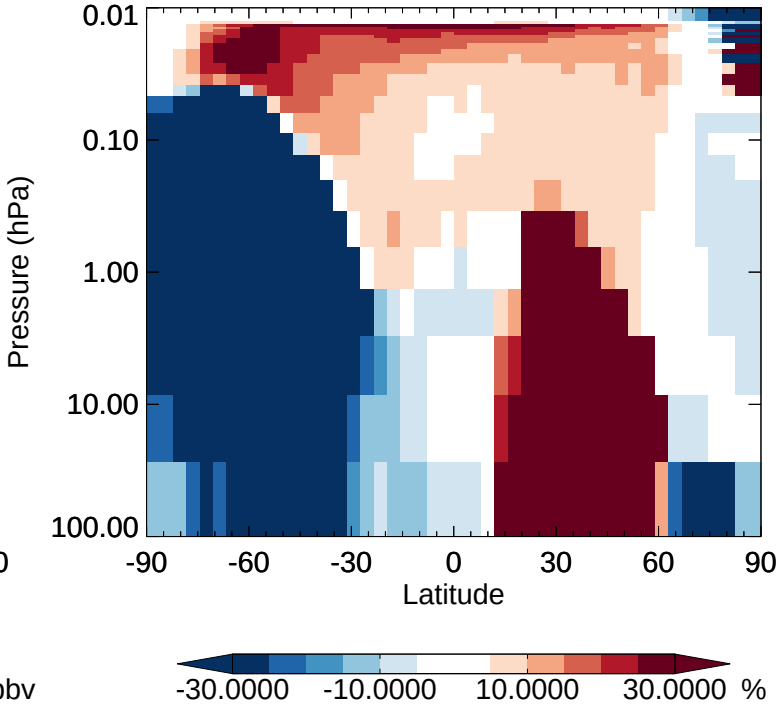
v11-02d - v11-02c

NPMN - Strat zonal mean abs diff for Jul



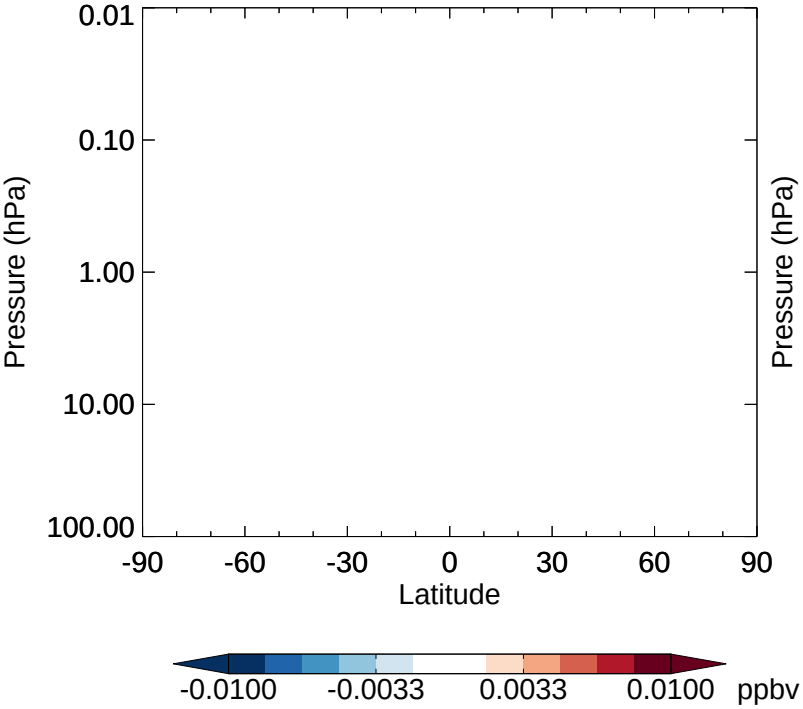
v11-02d / v11-02c

NPMN - Strat zonal mean % diff for Jul



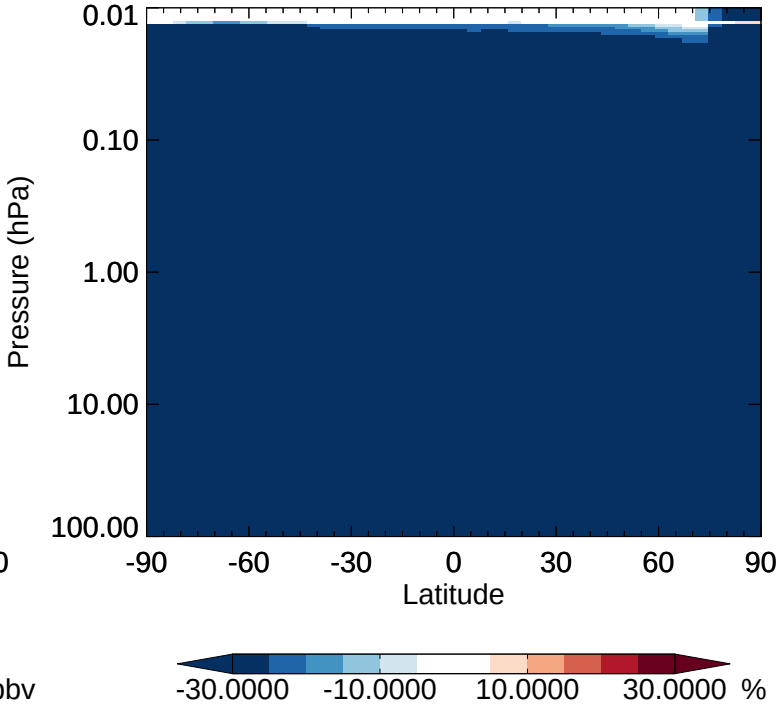
v11-02d - v11-02a

NPMN - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

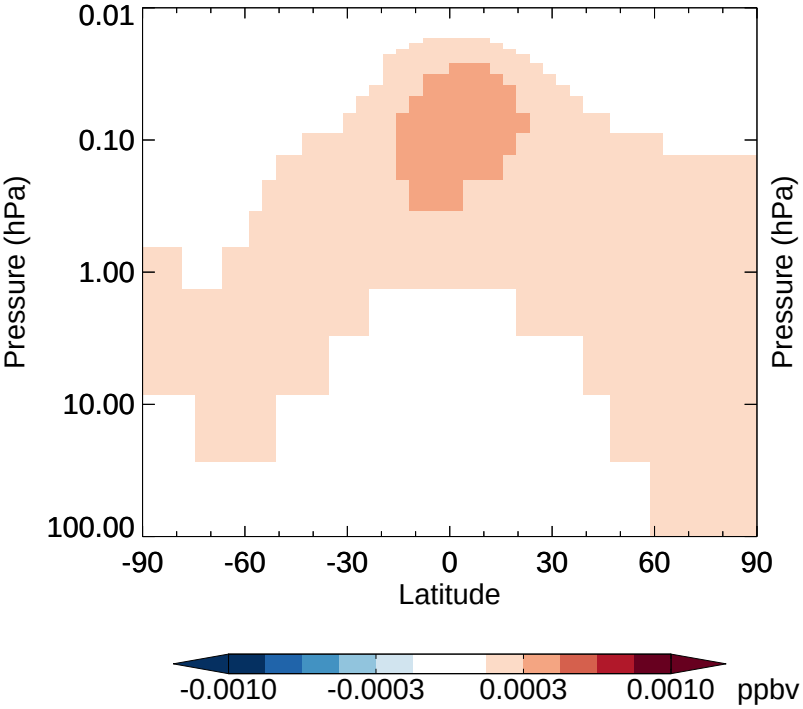
NPMN - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

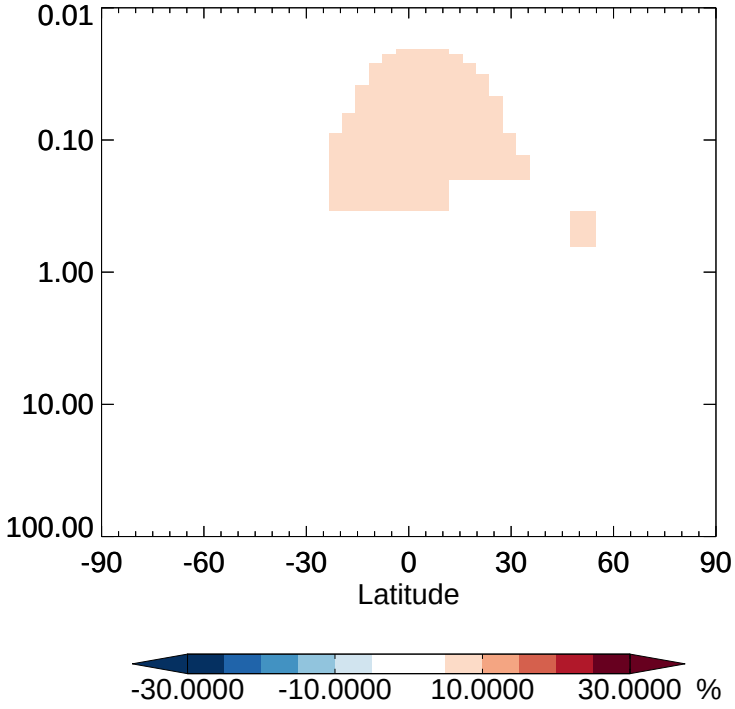
v11-02d - v11-02c

PPN - Strat zonal mean abs diff for Jul



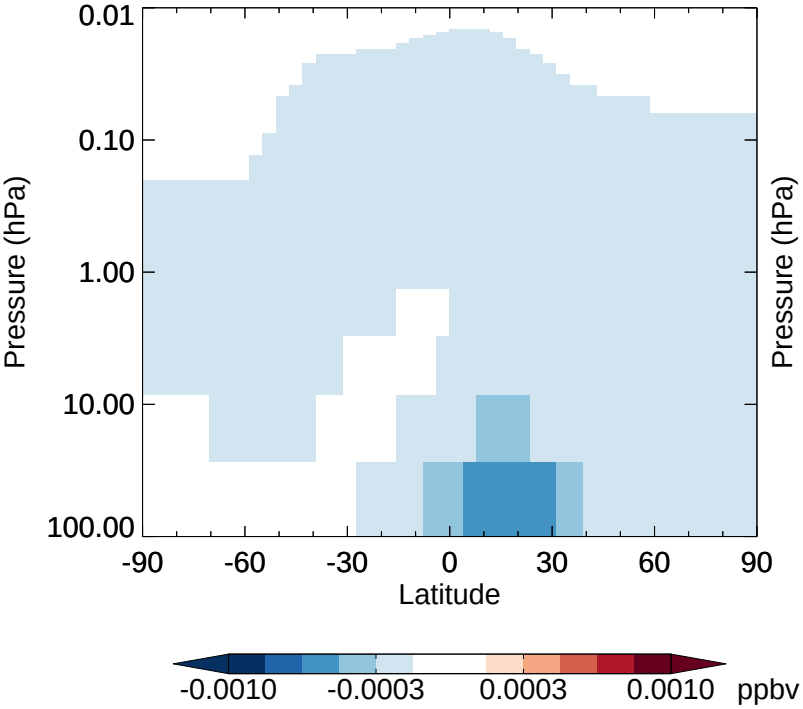
v11-02d / v11-02c

PPN - Strat zonal mean % diff for Jul



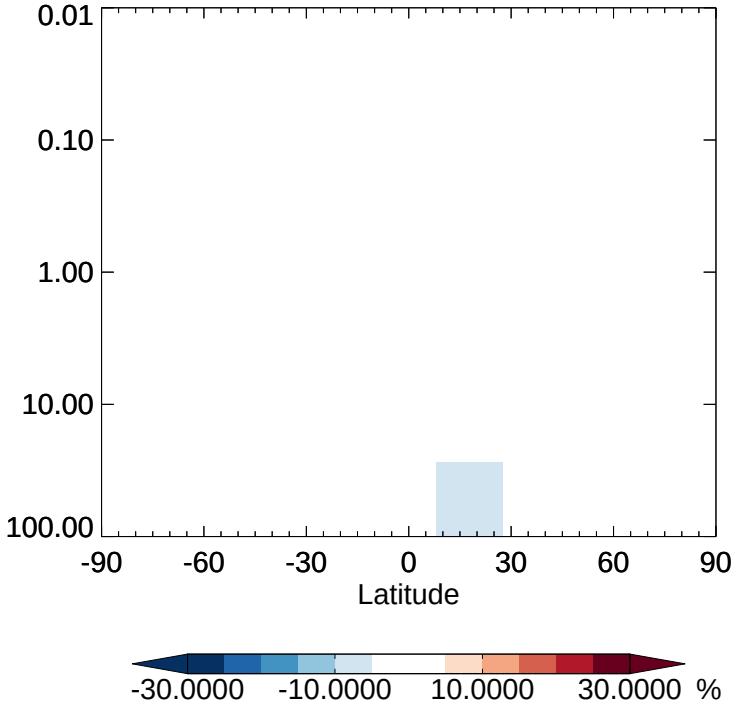
v11-02d - v11-02a

PPN - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

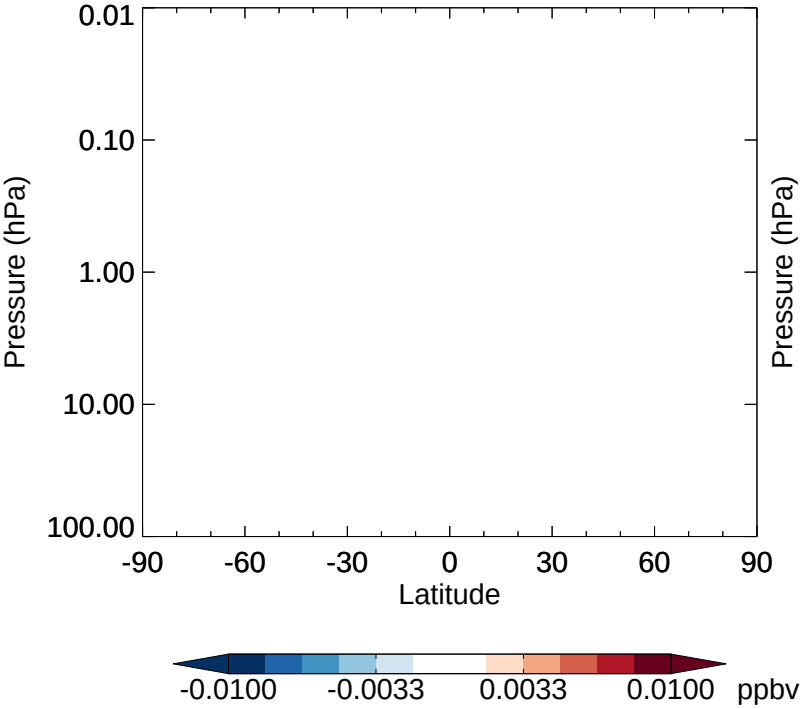
PPN - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

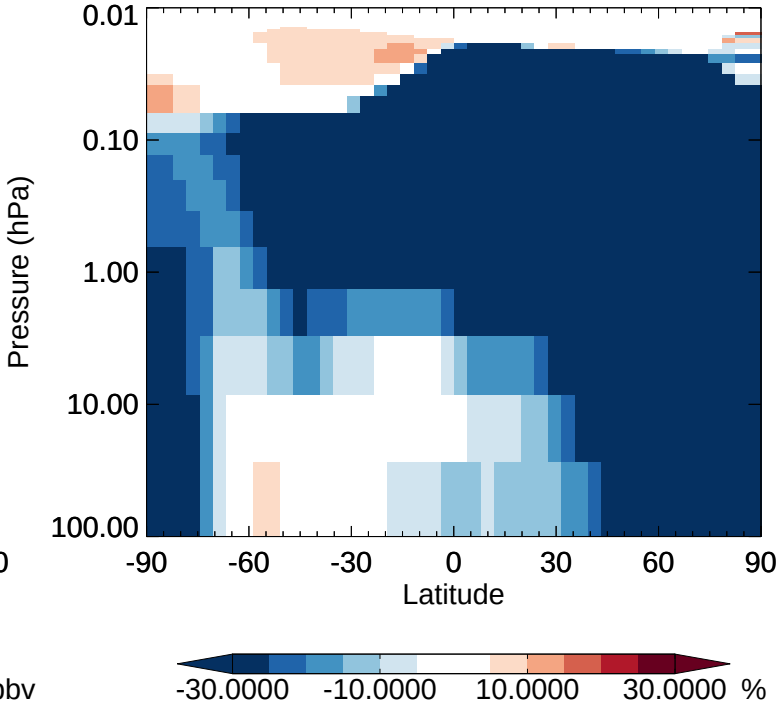
v11-02d - v11-02c

R4N2 - Strat zonal mean abs diff for Jul



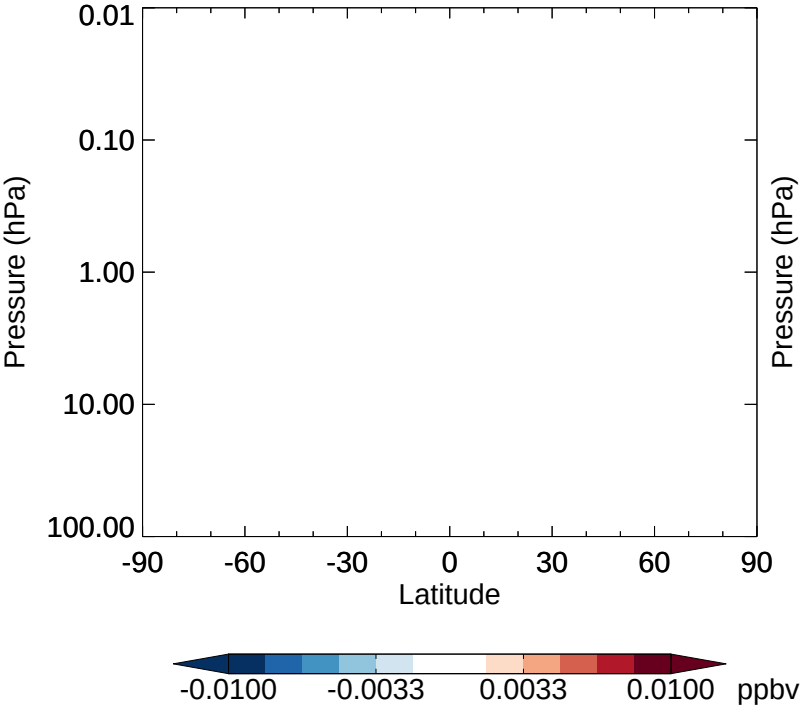
v11-02d / v11-02c

R4N2 - Strat zonal mean % diff for Jul



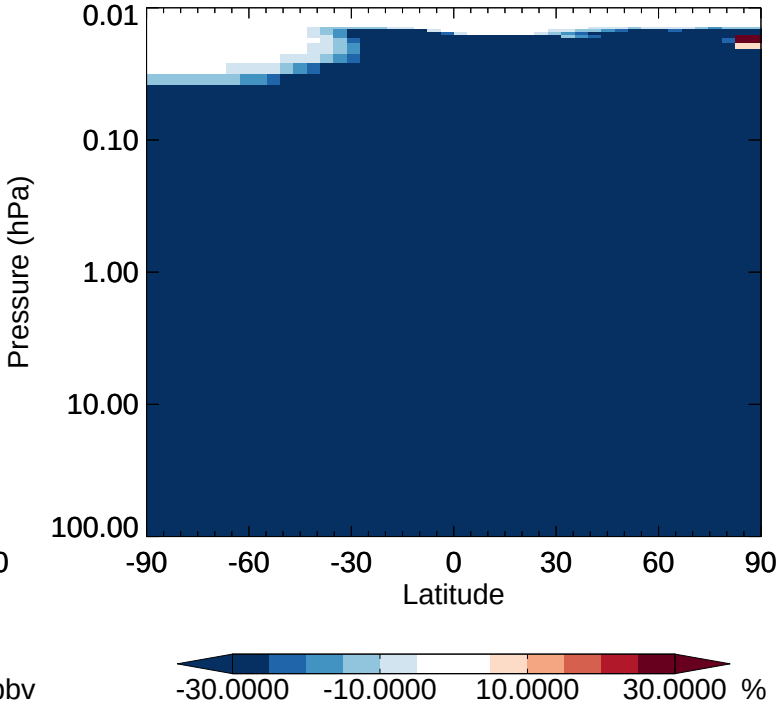
v11-02d - v11-02a

R4N2 - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

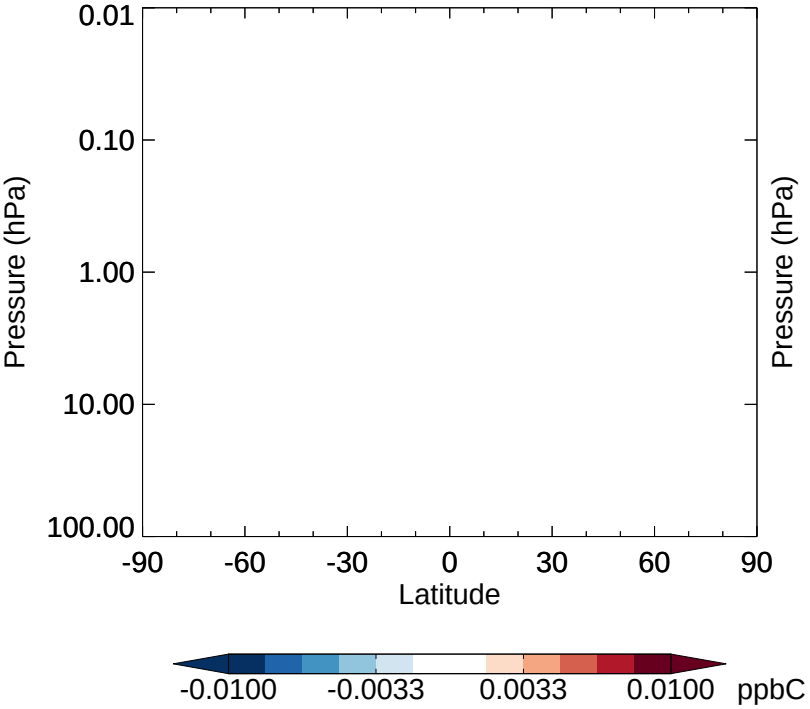
R4N2 - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

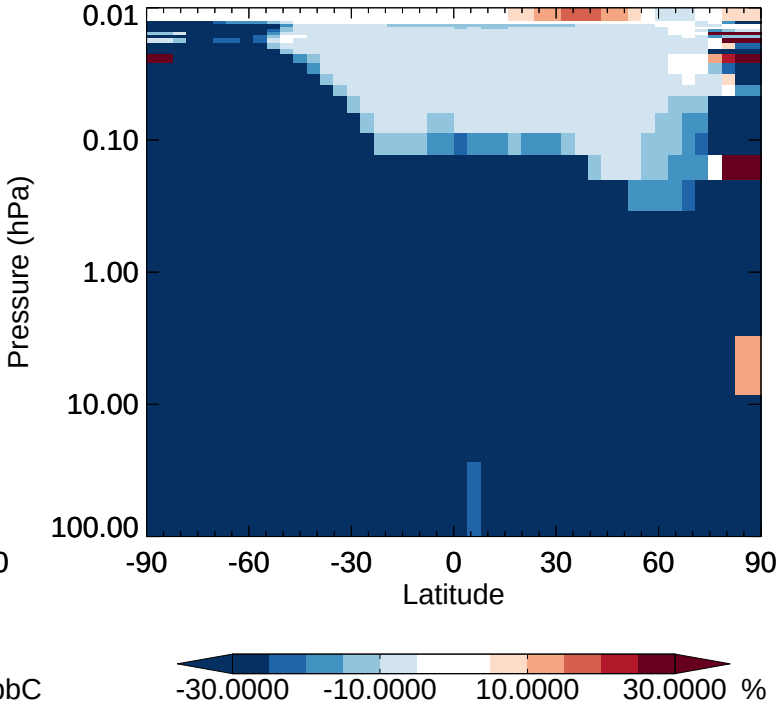
v11-02d - v11-02c

PRPE - Strat zonal mean abs diff for Jul



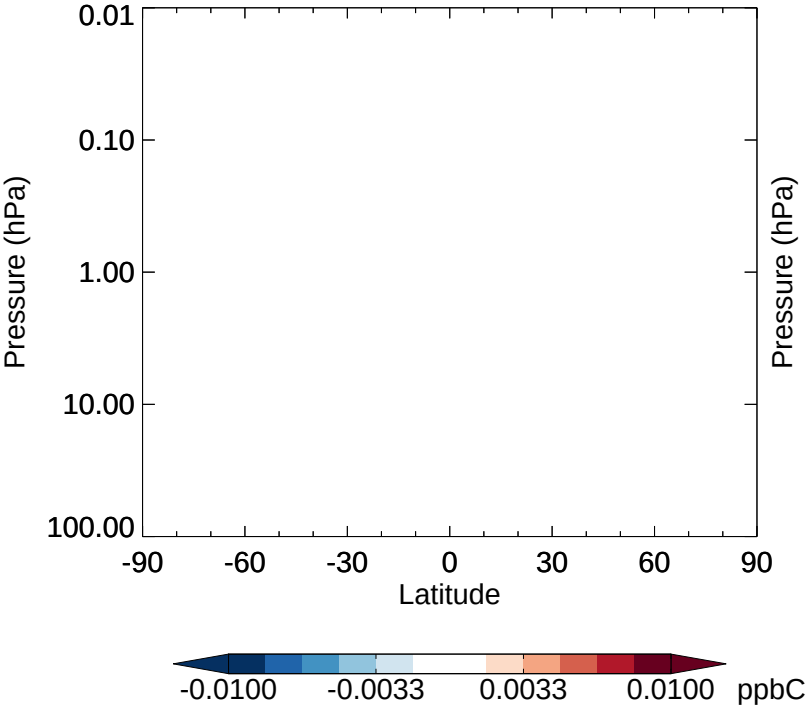
v11-02d / v11-02c

PRPE - Strat zonal mean % diff for Jul



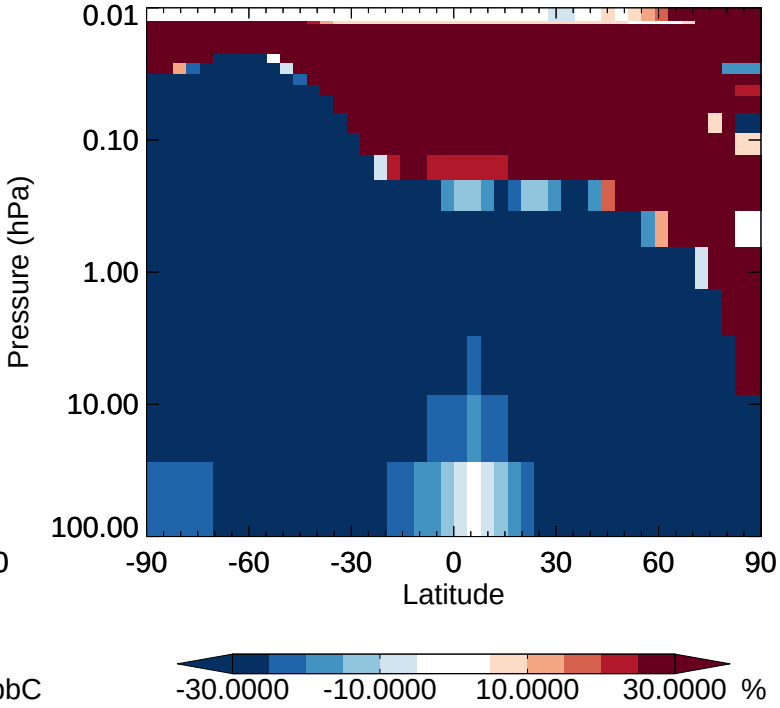
v11-02d - v11-02a

PRPE - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

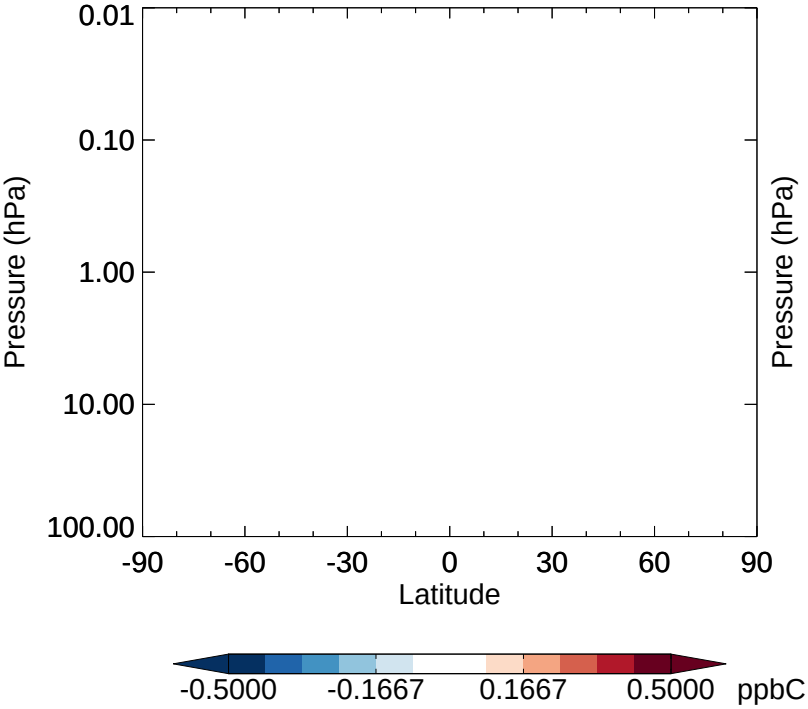
PRPE - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

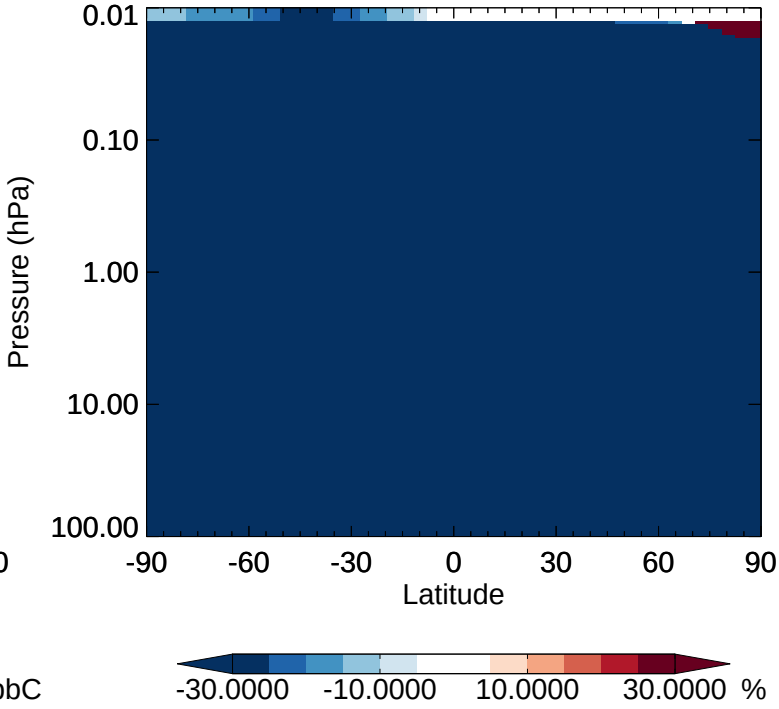
v11-02d - v11-02c

C3H8 - Strat zonal mean abs diff for Jul



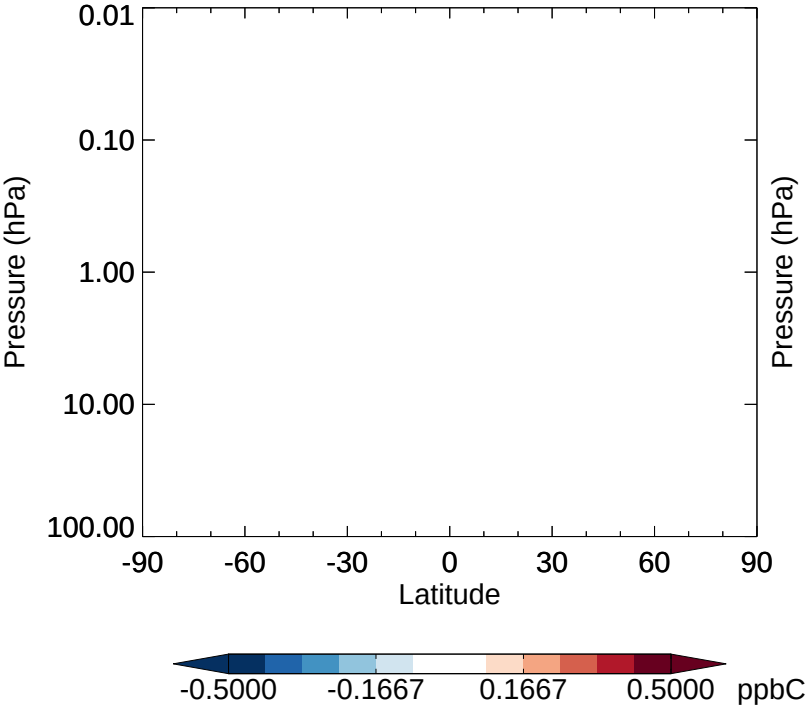
v11-02d / v11-02c

C3H8 - Strat zonal mean % diff for Jul



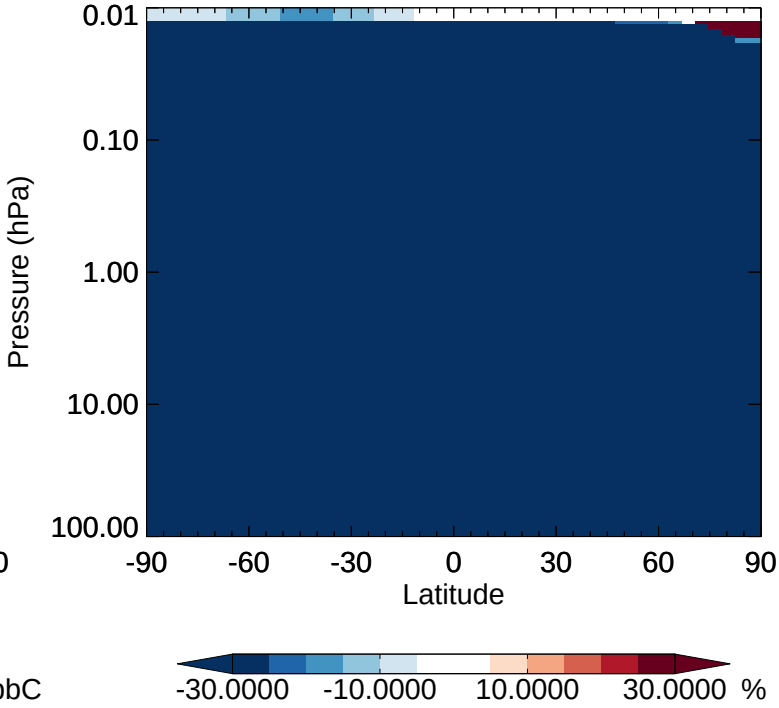
v11-02d - v11-02a

C3H8 - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

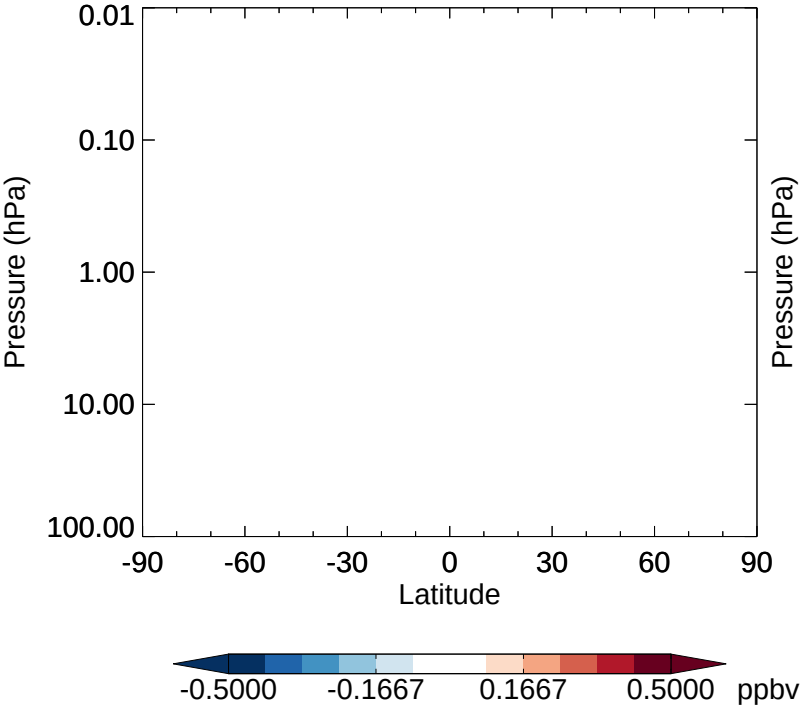
C3H8 - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

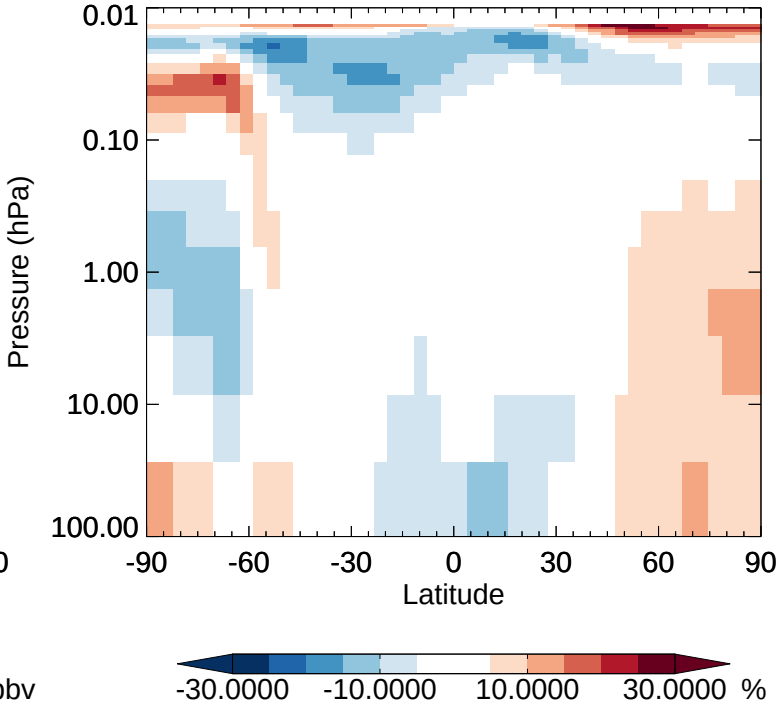
v11-02d - v11-02c

CH2O - Strat zonal mean abs diff for Jul



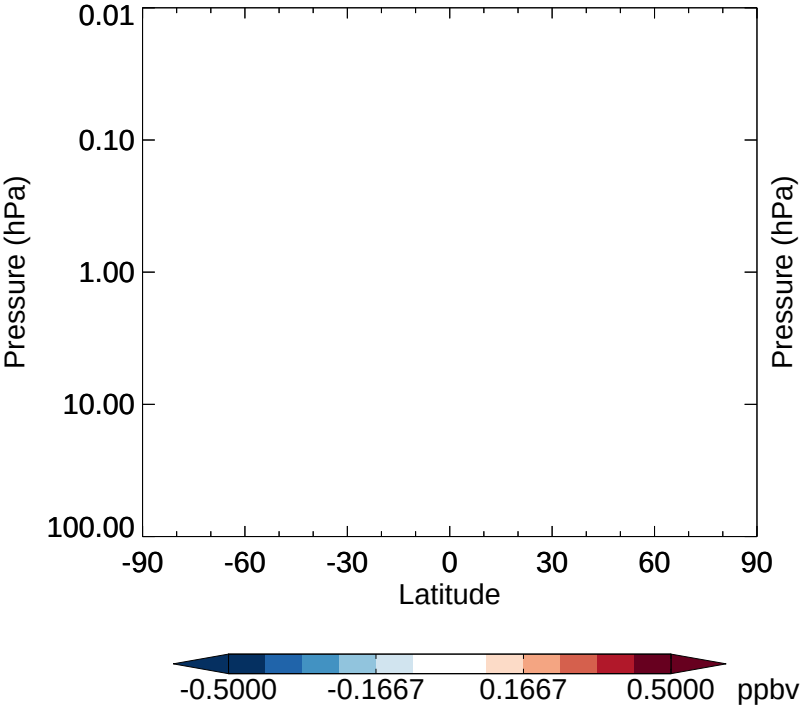
v11-02d / v11-02c

CH2O - Strat zonal mean % diff for Jul



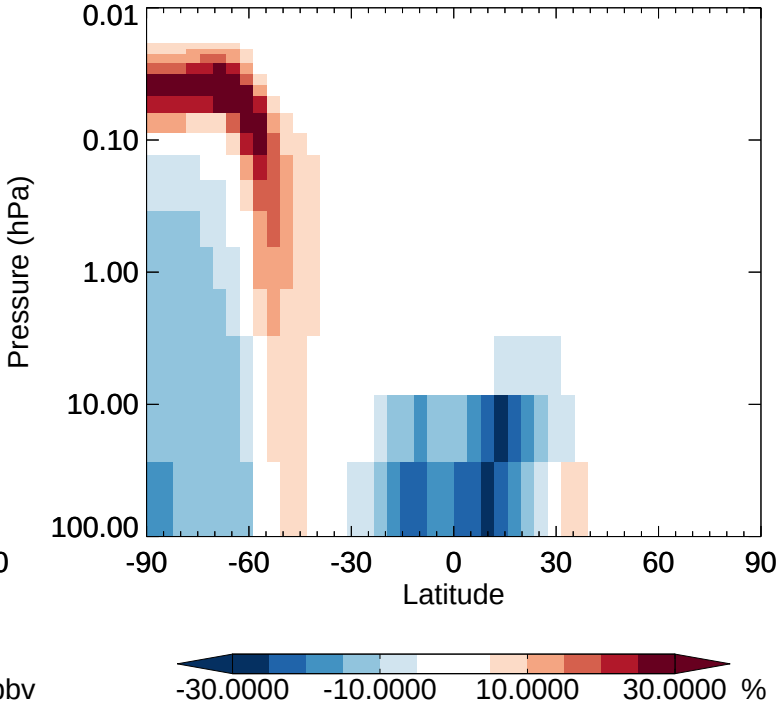
v11-02d - v11-02a

CH2O - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

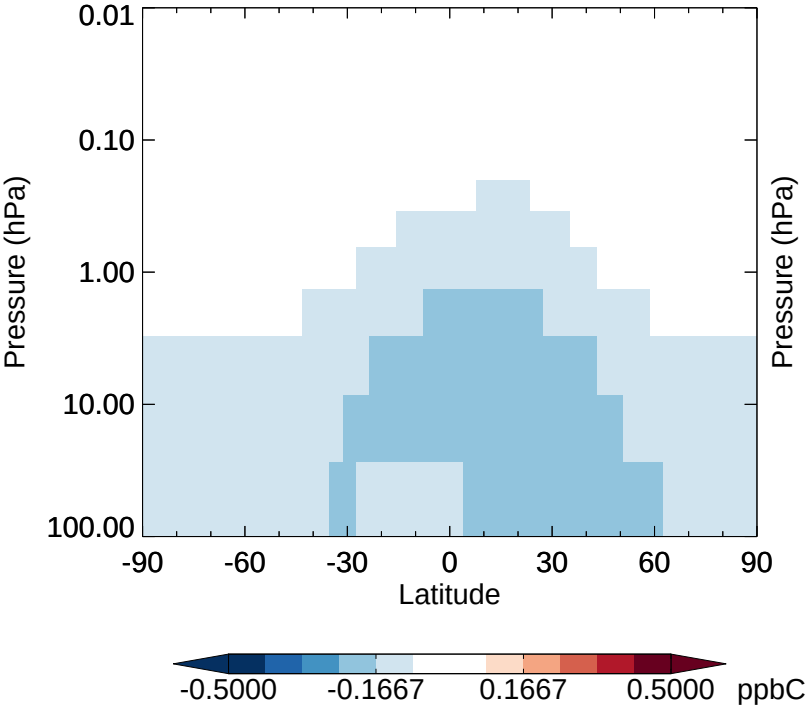
CH2O - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

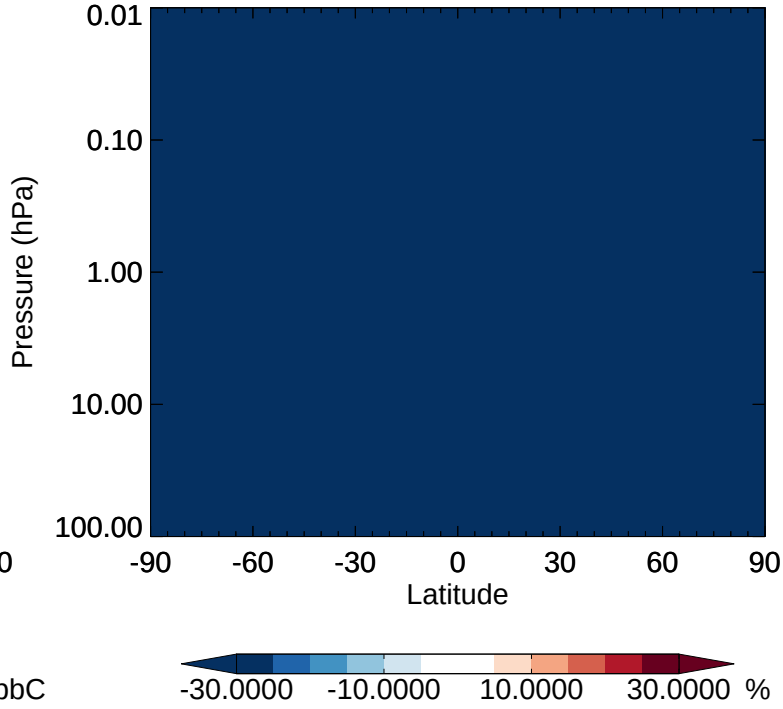
v11-02d - v11-02c

C2H6 - Strat zonal mean abs diff for Jul



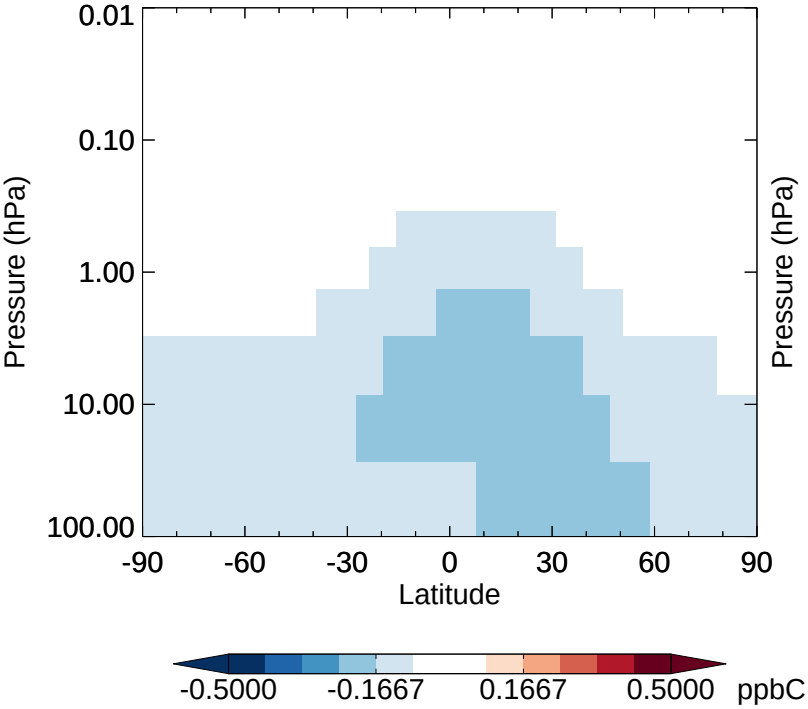
v11-02d / v11-02c

C2H6 - Strat zonal mean % diff for Jul



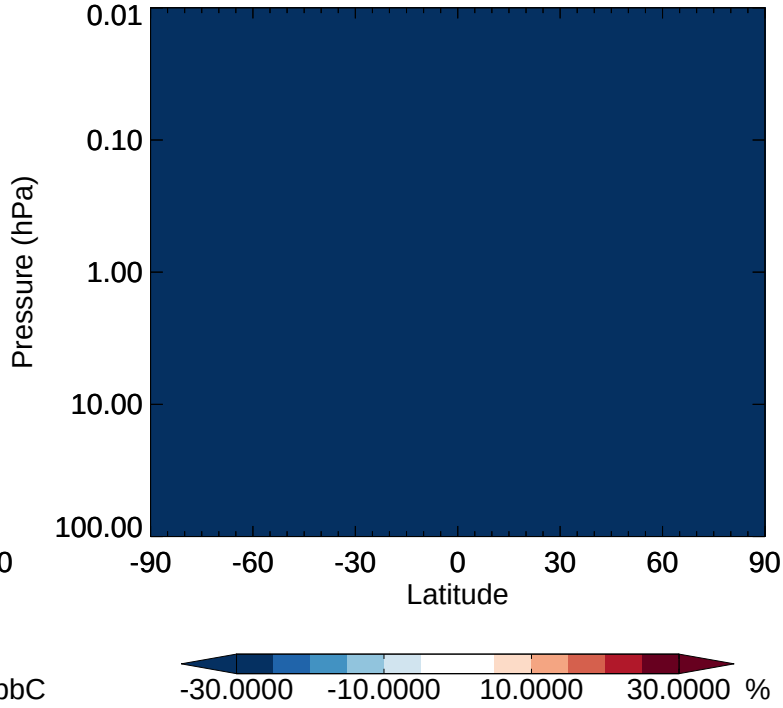
v11-02d - v11-02a

C2H6 - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

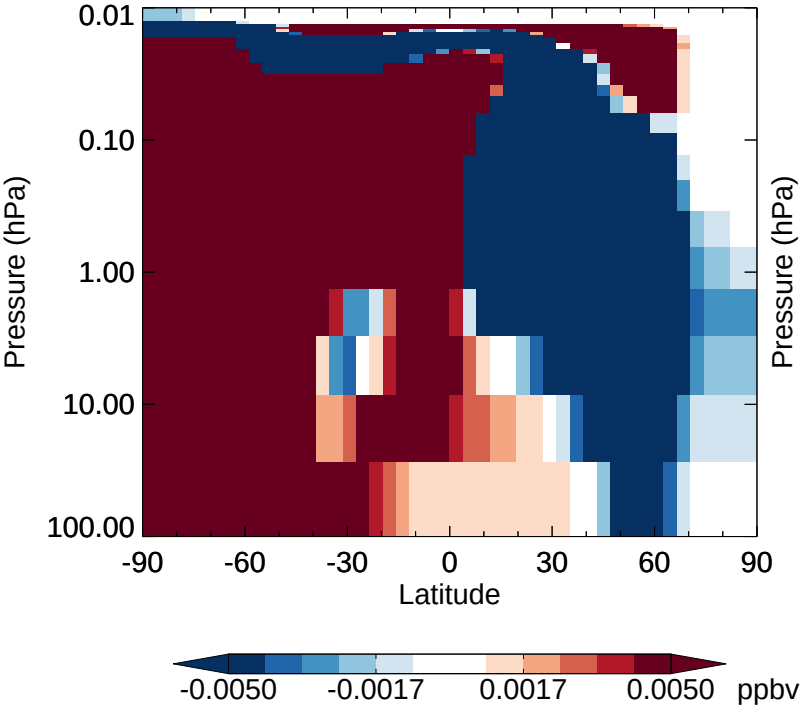
C2H6 - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

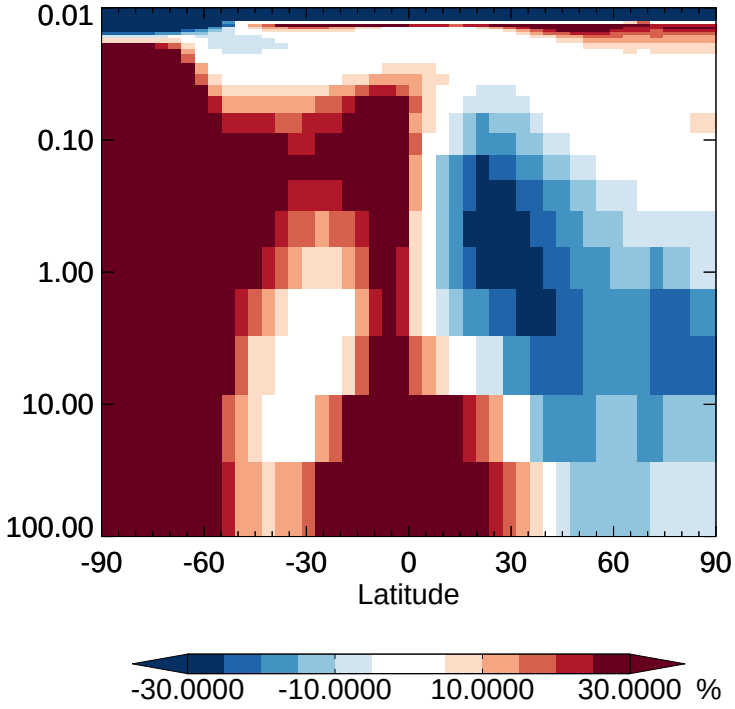
v11-02d - v11-02c

N2O5 - Strat zonal mean abs diff for Jul



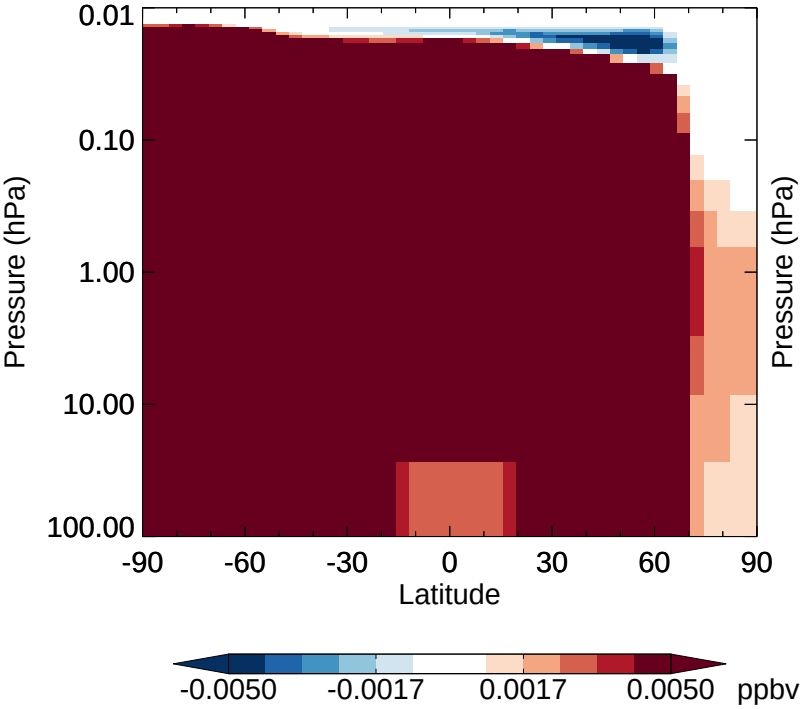
v11-02d / v11-02c

N2O5 - Strat zonal mean % diff for Jul



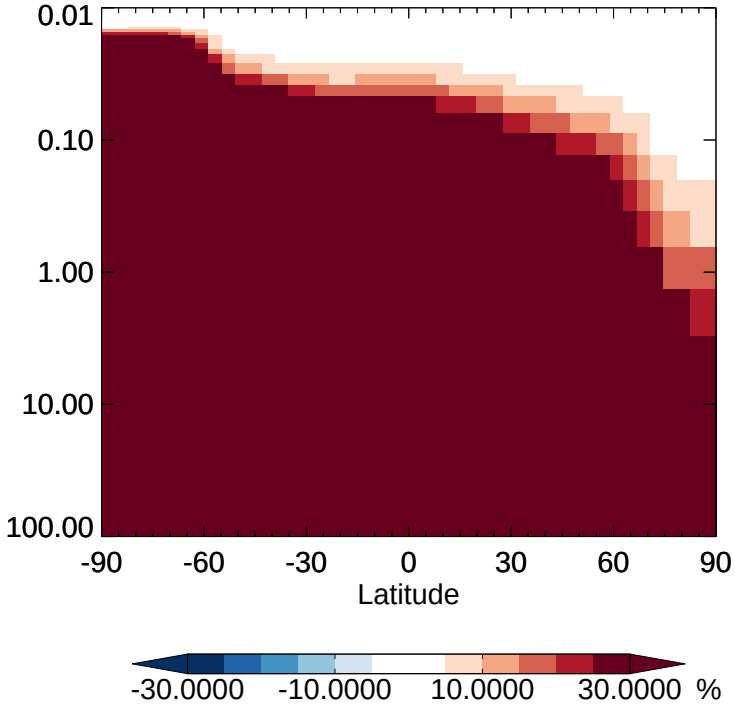
v11-02d - v11-02a

N2O5 - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

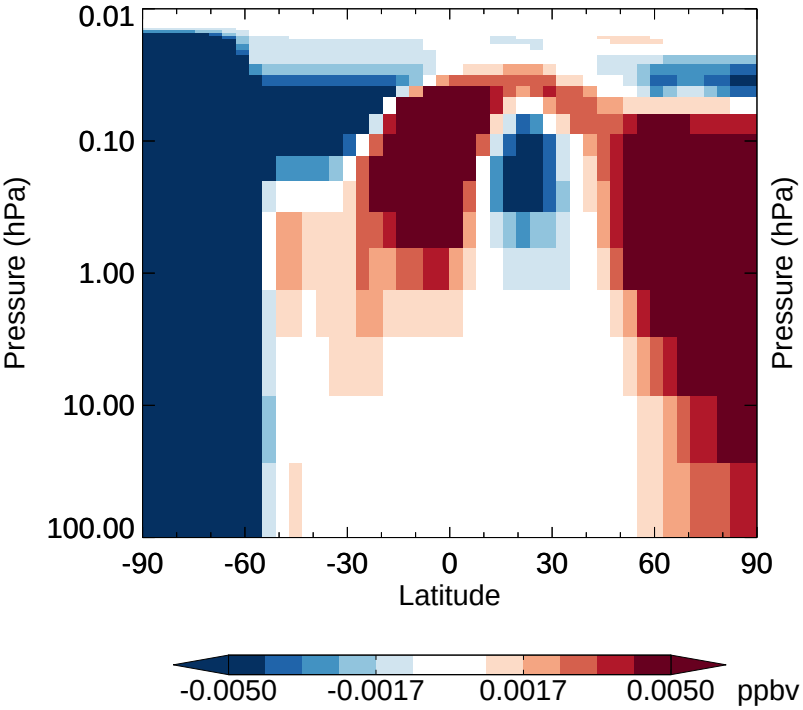
N2O5 - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

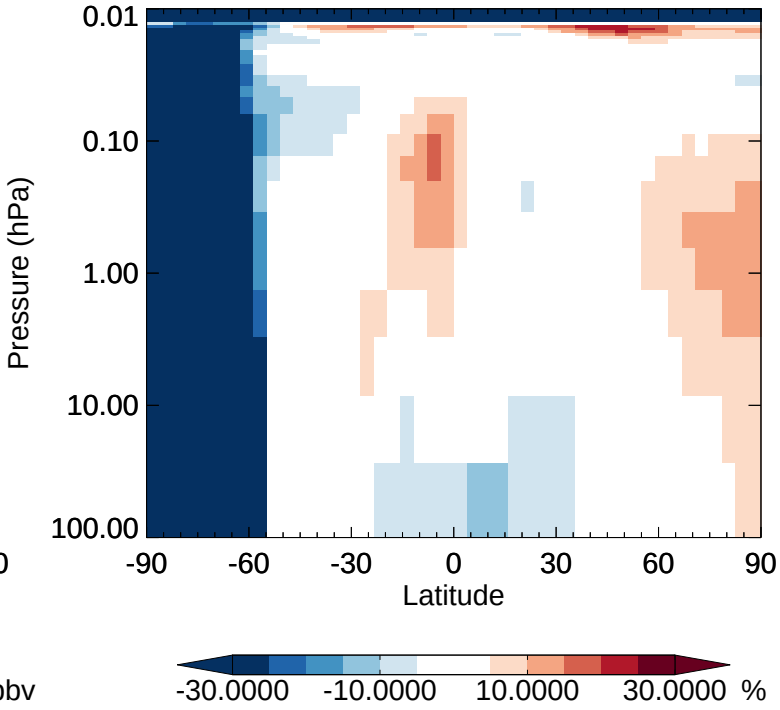
v11-02d - v11-02c

HNO4 - Strat zonal mean abs diff for Jul



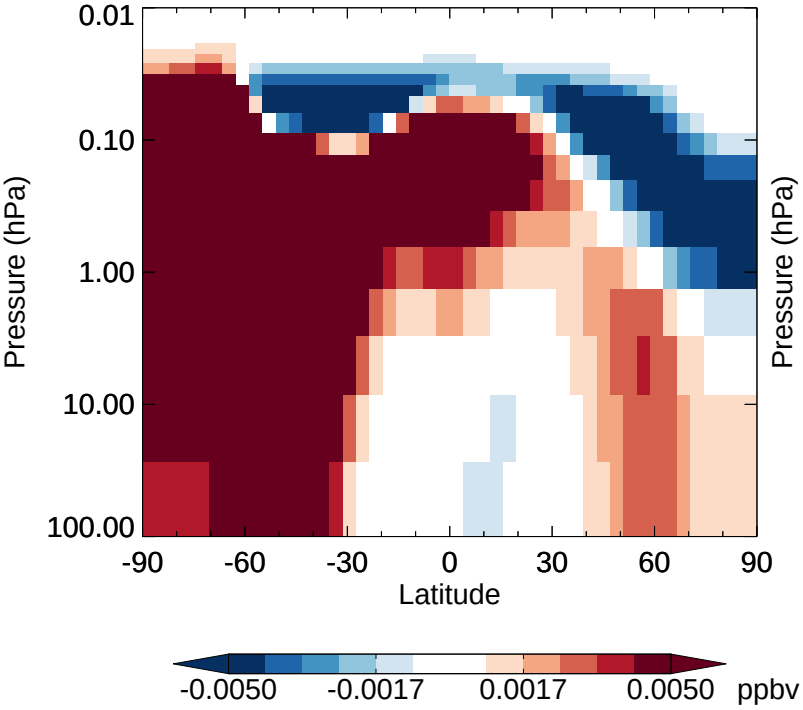
v11-02d / v11-02c

HNO4 - Strat zonal mean % diff for Jul



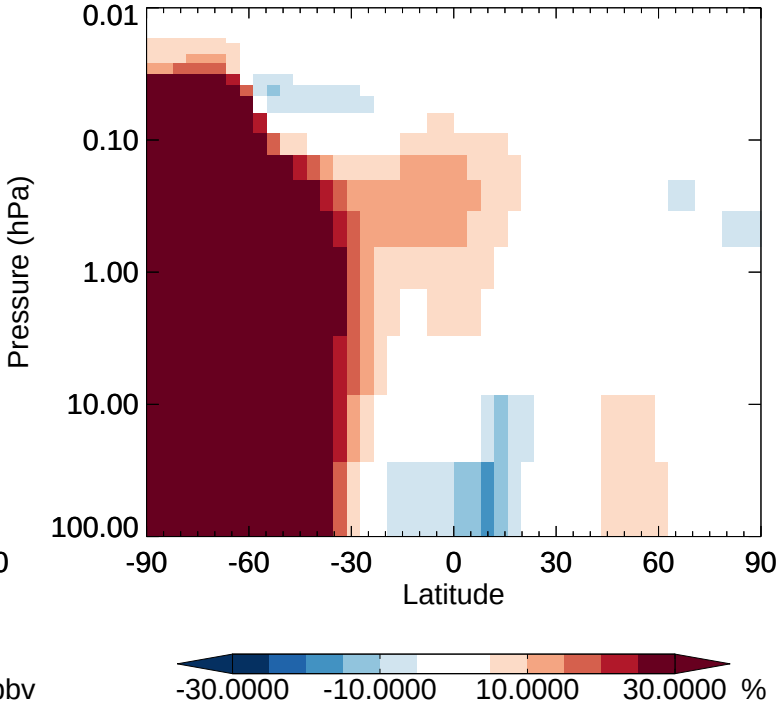
v11-02d - v11-02a

HNO4 - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

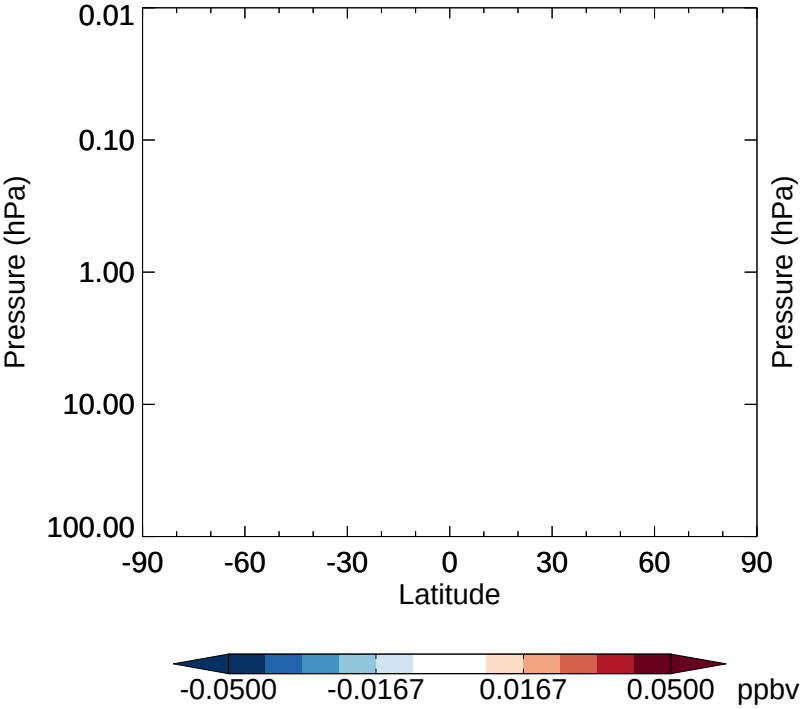
HNO4 - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

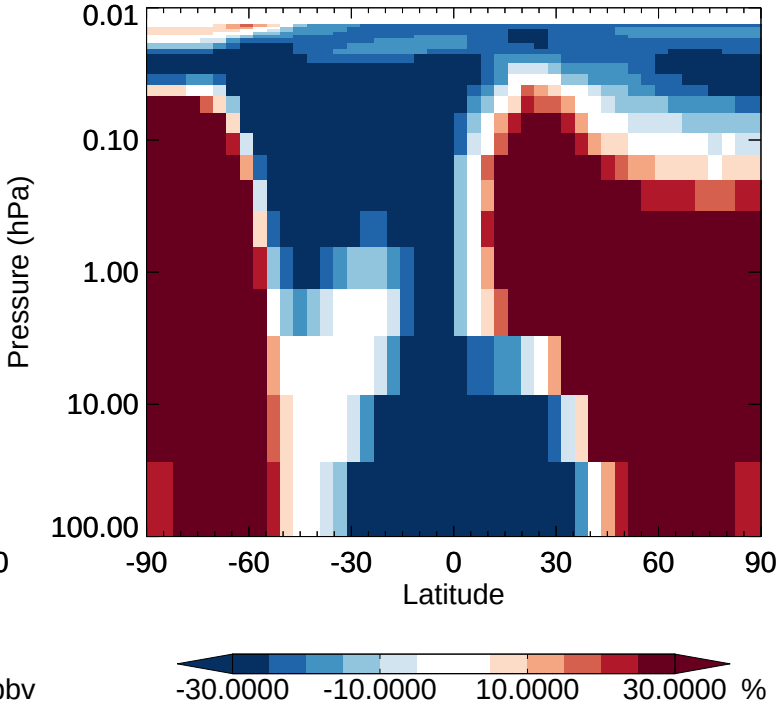
v11-02d - v11-02c

MP - Strat zonal mean abs diff for Jul



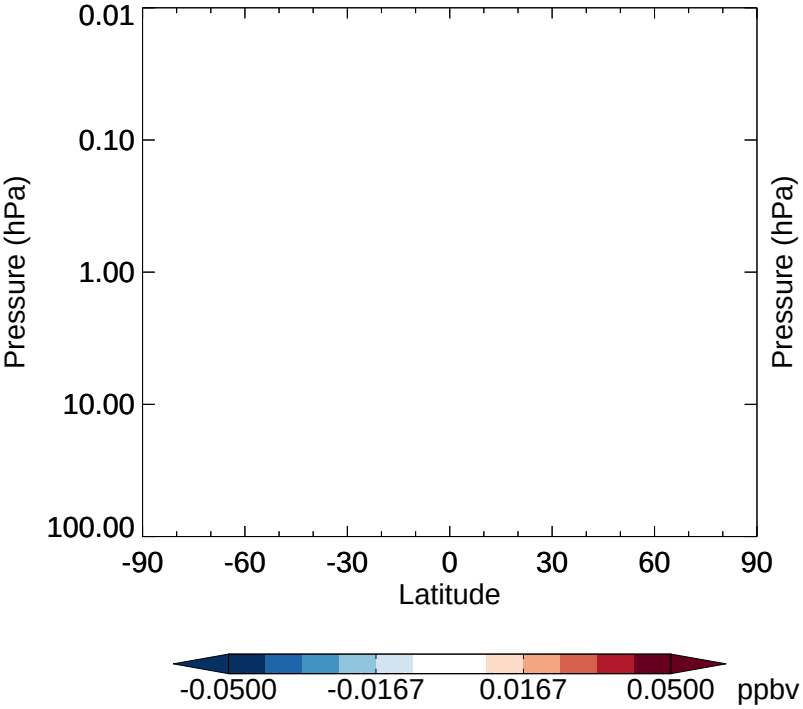
v11-02d / v11-02c

MP - Strat zonal mean % diff for Jul



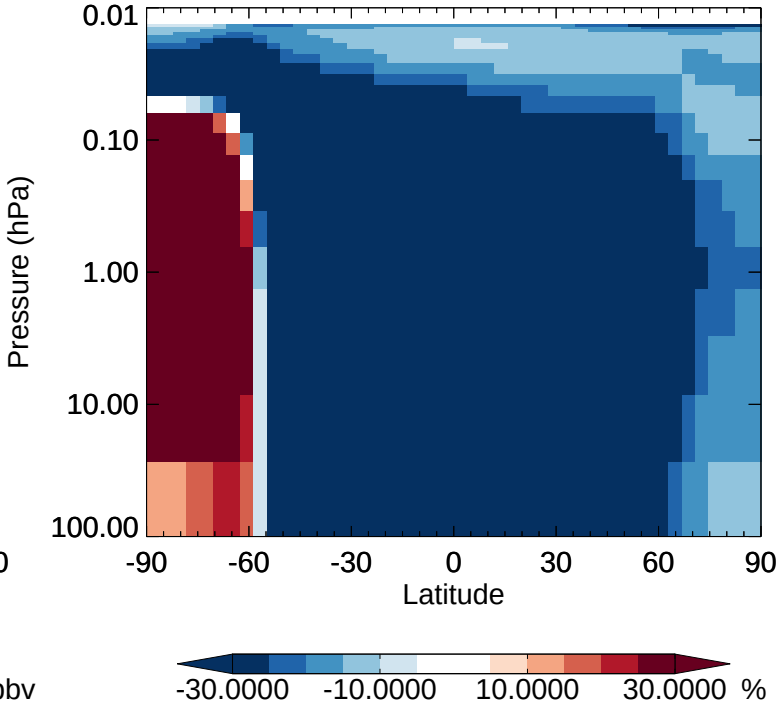
v11-02d - v11-02a

MP - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

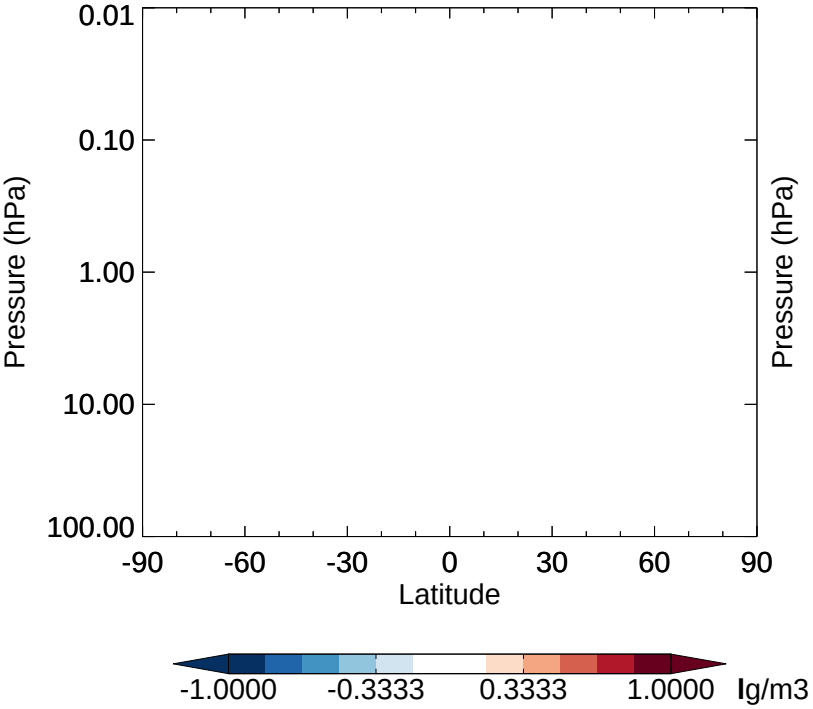
MP - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

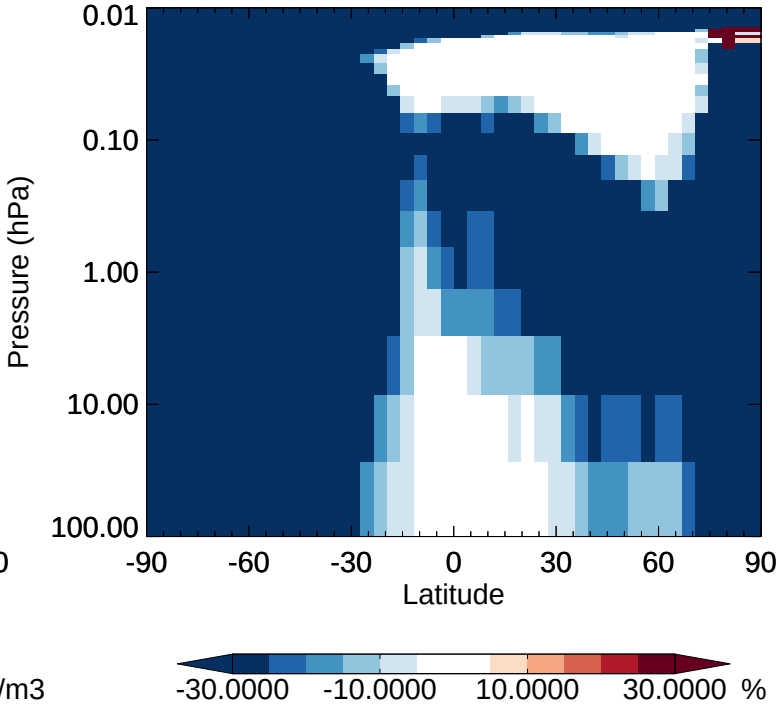
v11-02d - v11-02c

DMS - Strat zonal mean abs diff for Jul



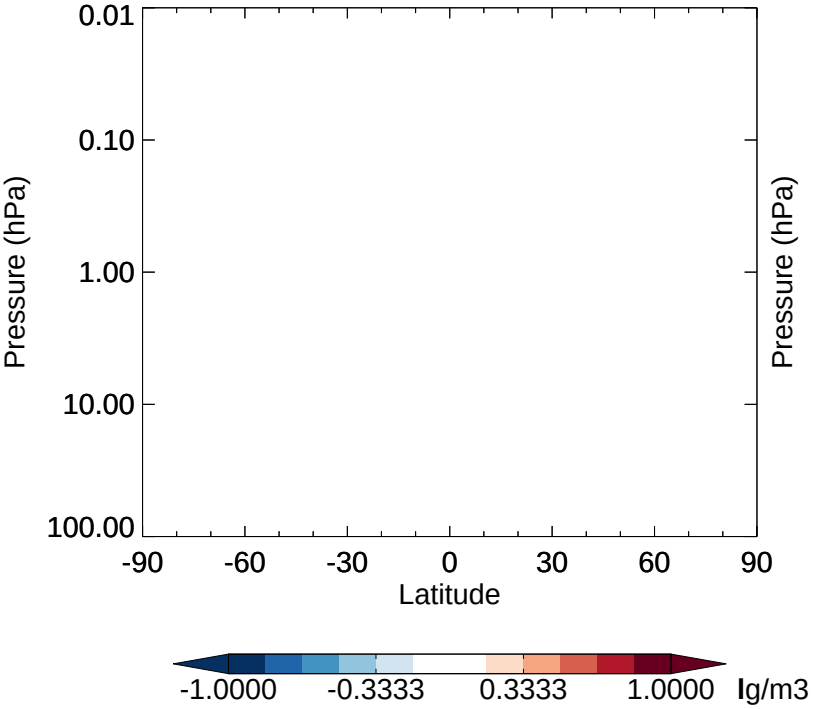
v11-02d / v11-02c

DMS - Strat zonal mean % diff for Jul



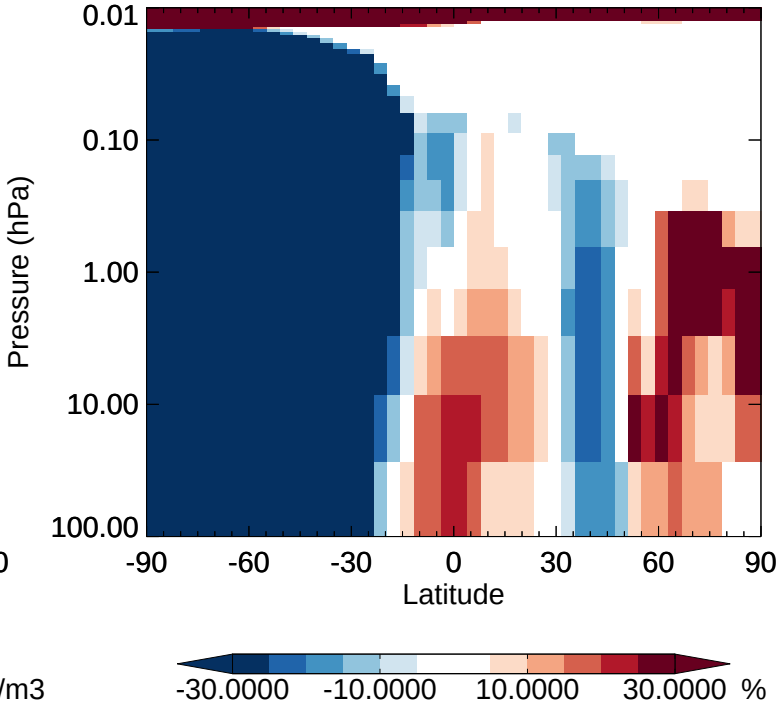
v11-02d - v11-02a

DMS - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

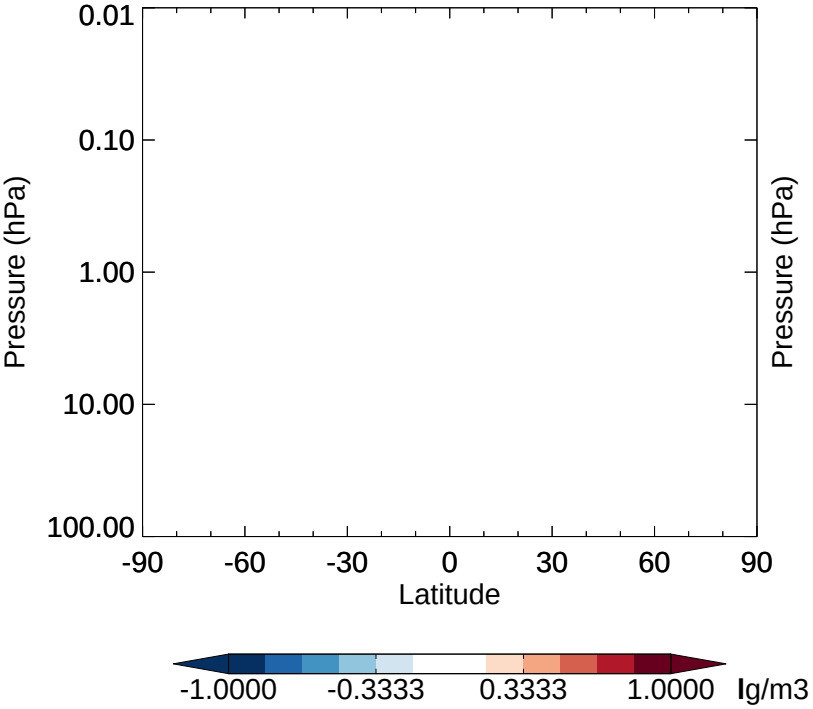
DMS - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

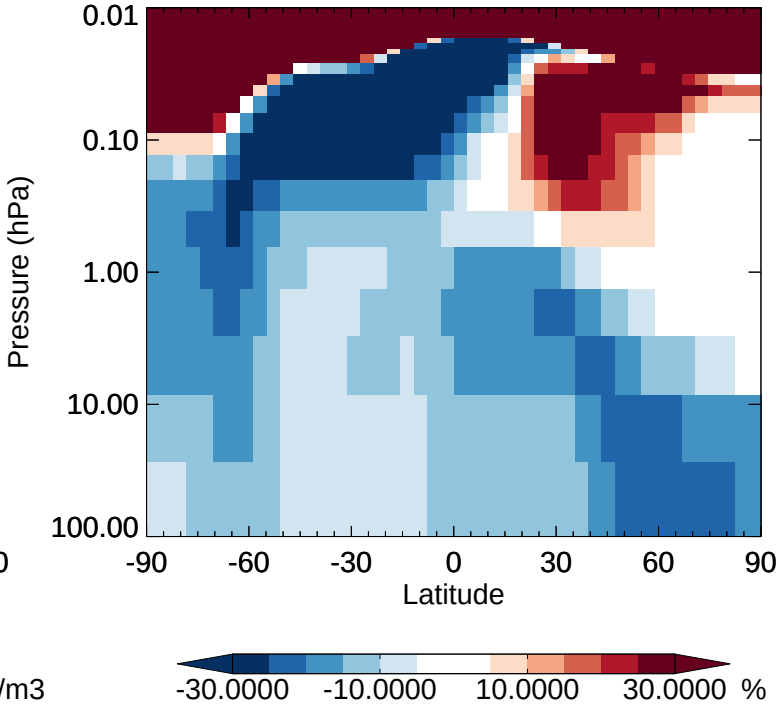
v11-02d - v11-02c

SO2 - Strat zonal mean abs diff for Jul



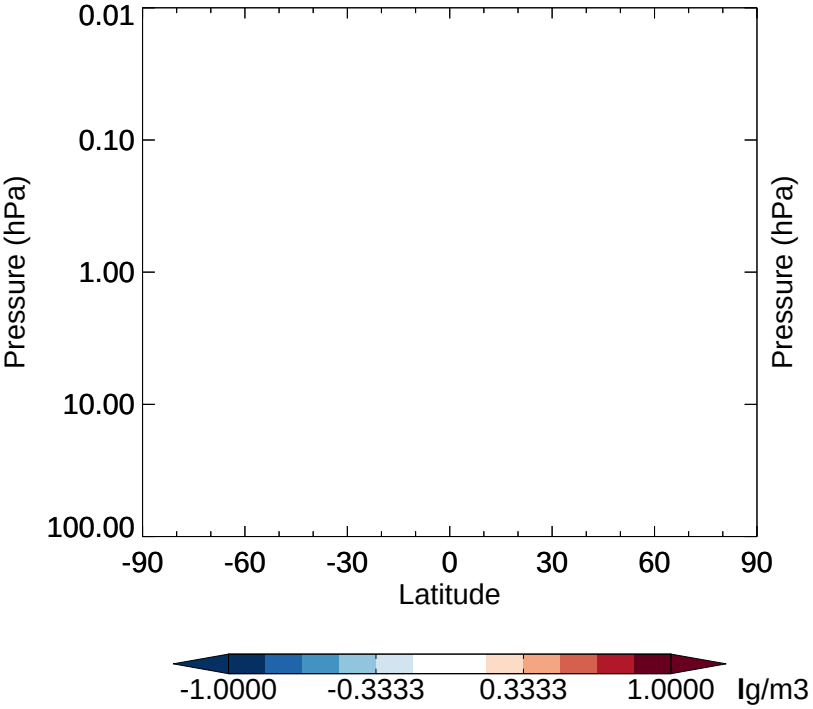
v11-02d / v11-02c

SO2 - Strat zonal mean % diff for Jul



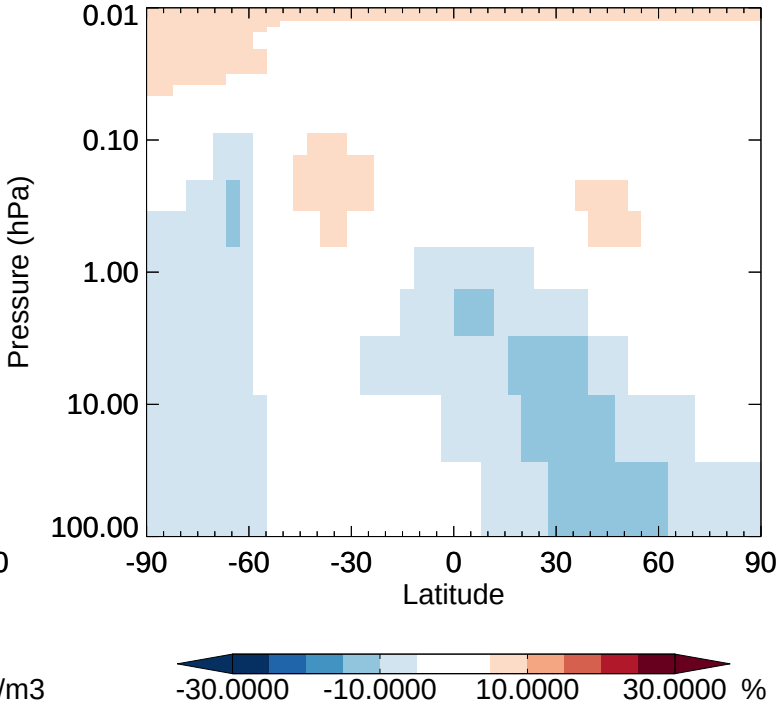
v11-02d - v11-02a

SO2 - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

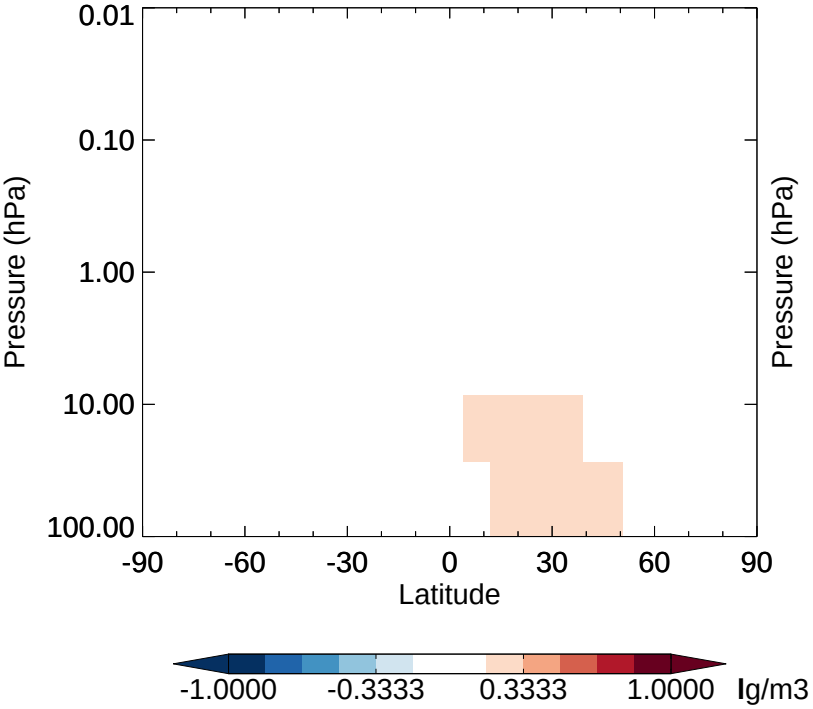
SO2 - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

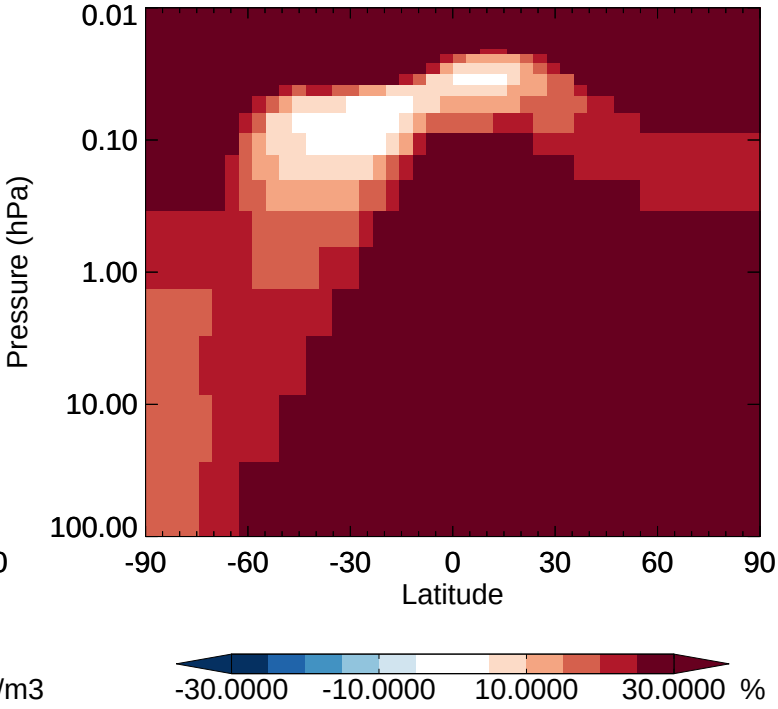
v11-02d - v11-02c

SO4 - Strat zonal mean abs diff for Jul



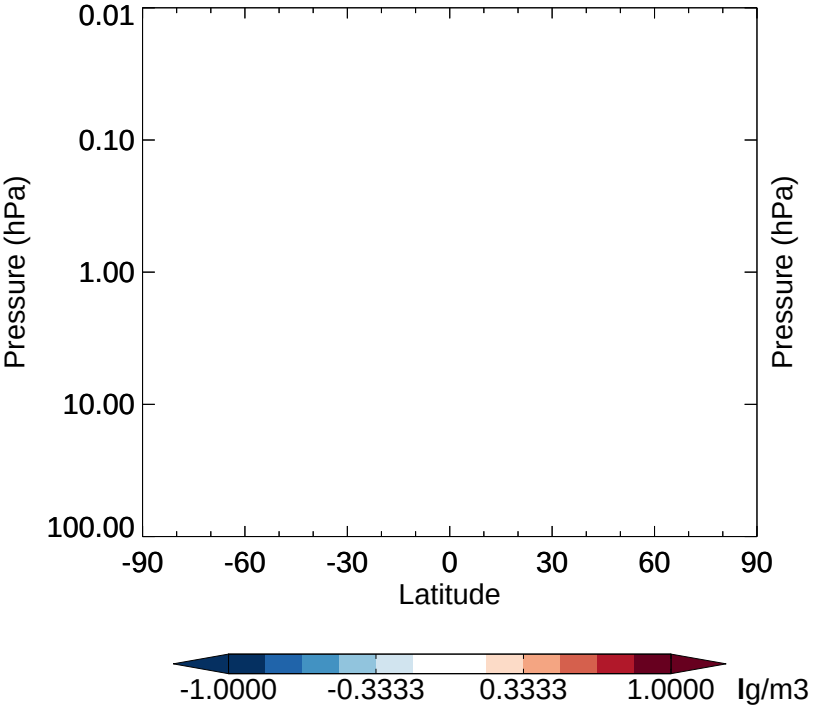
v11-02d / v11-02c

SO4 - Strat zonal mean % diff for Jul



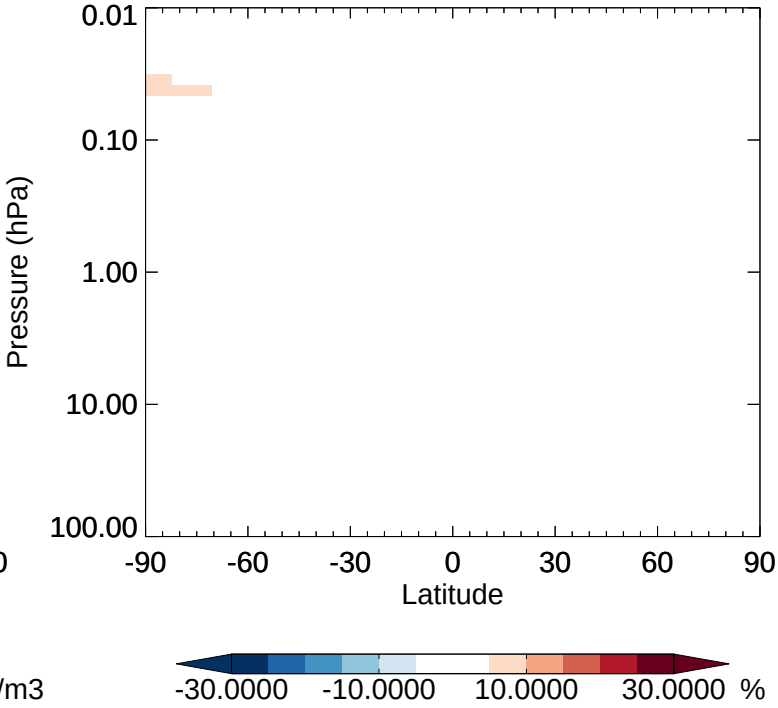
v11-02d - v11-02a

SO4 - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

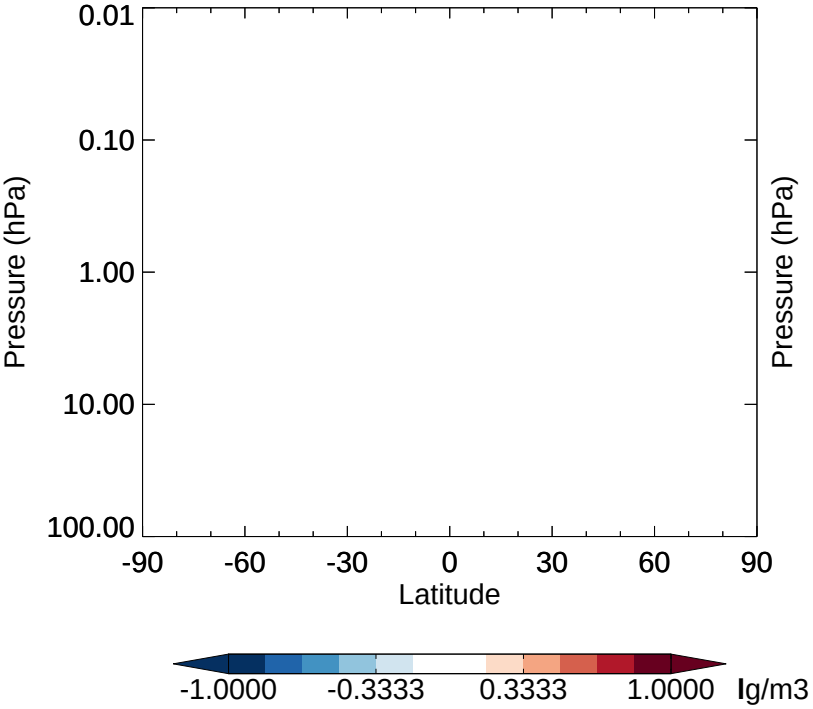
SO4 - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

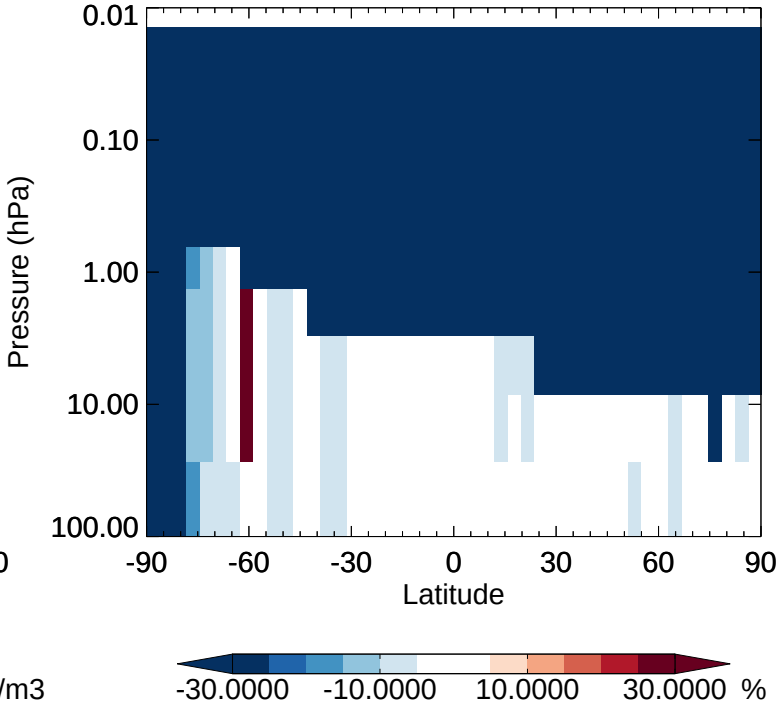
v11-02d - v11-02c

SO4s - Strat zonal mean abs diff for Jul



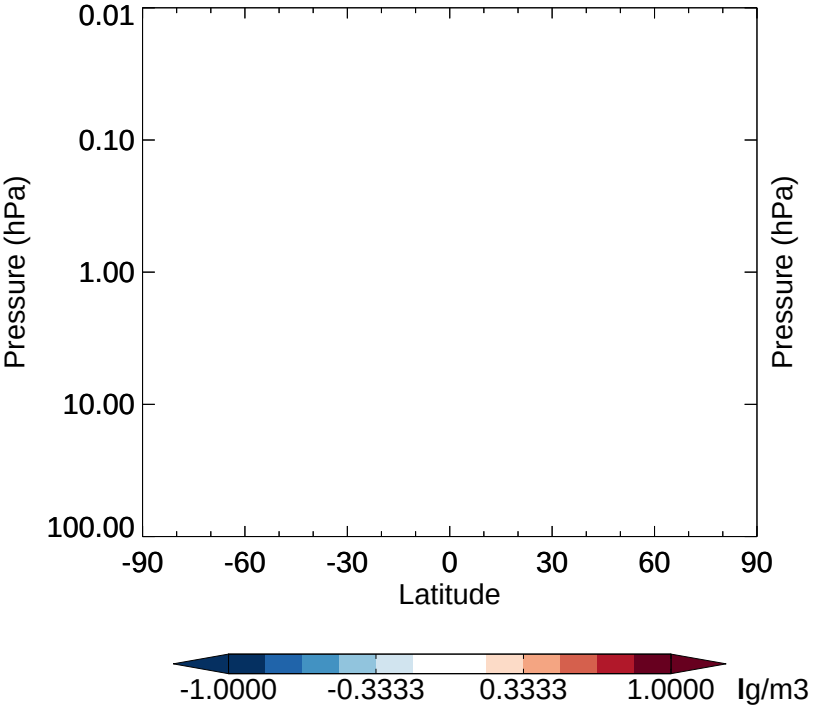
v11-02d / v11-02c

SO4s - Strat zonal mean % diff for Jul



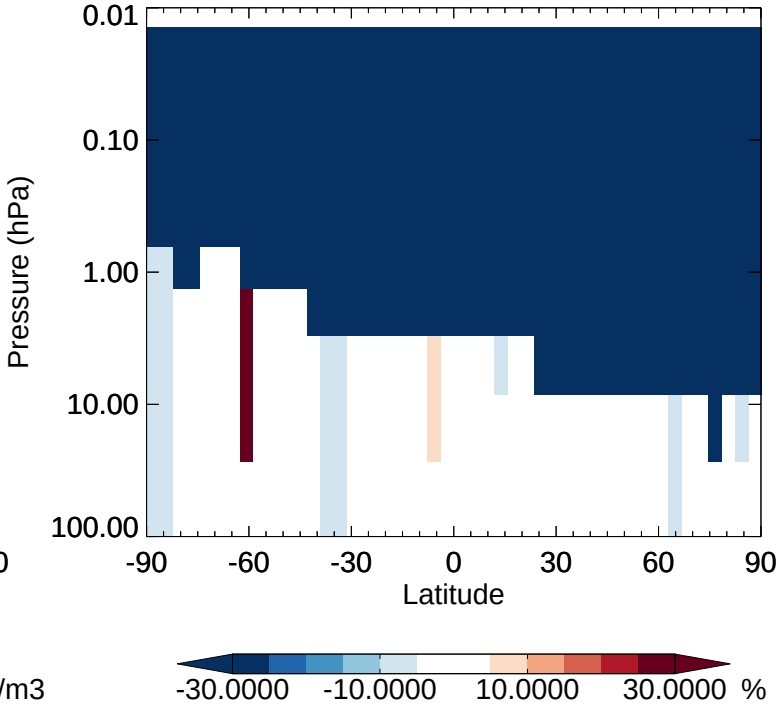
v11-02d - v11-02a

SO4s - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

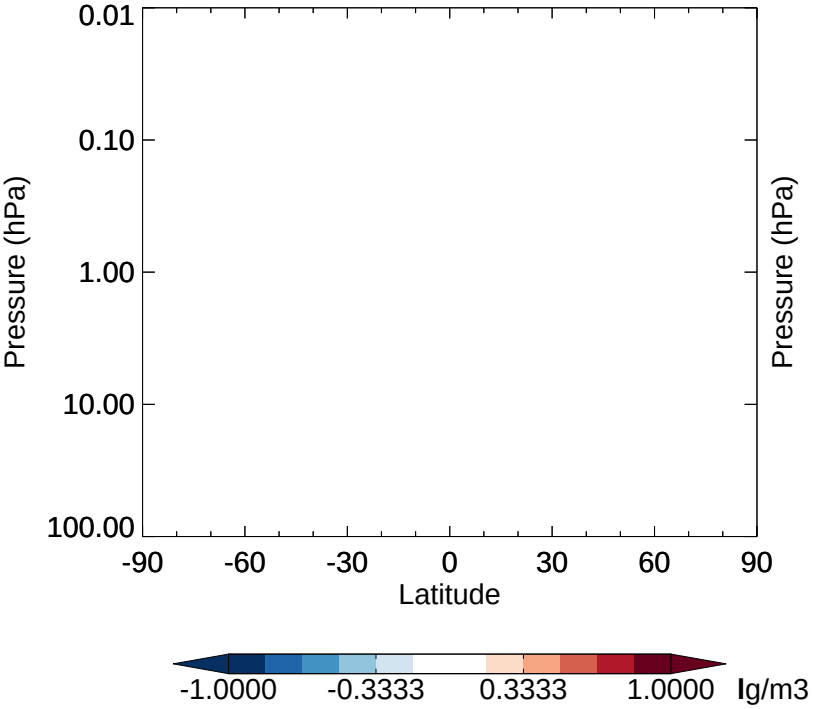
SO4s - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

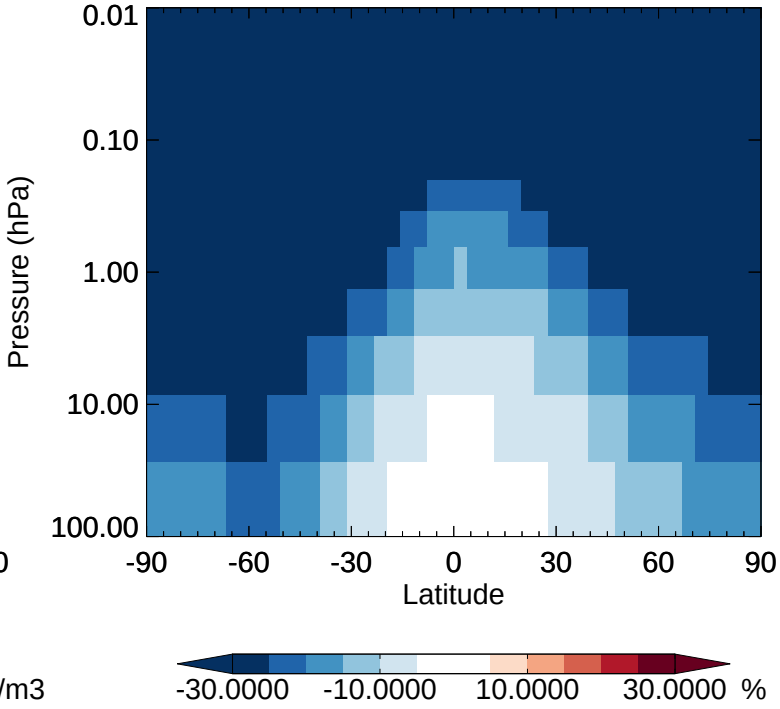
v11-02d - v11-02c

MSA - Strat zonal mean abs diff for Jul



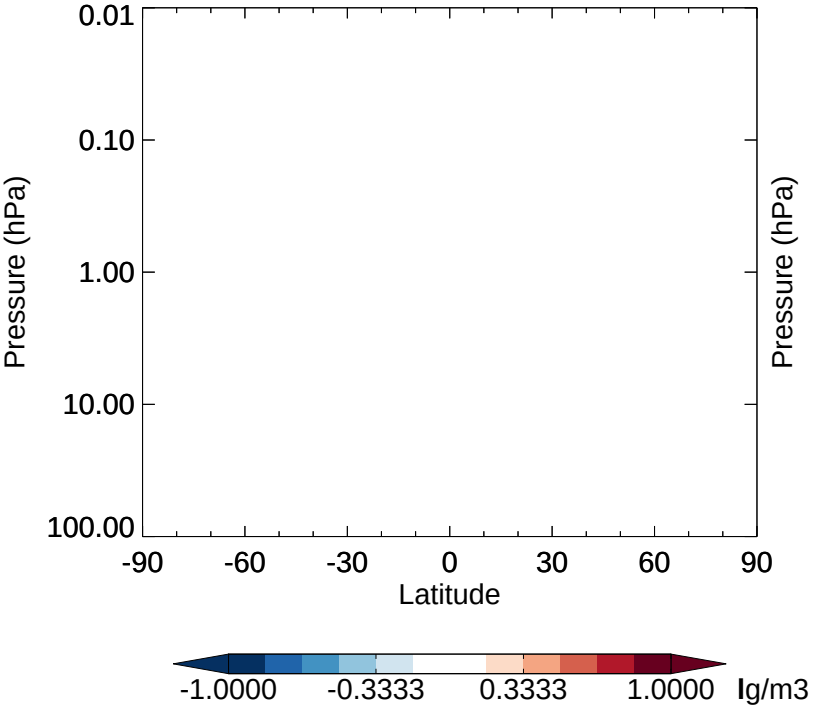
v11-02d / v11-02c

MSA - Strat zonal mean % diff for Jul



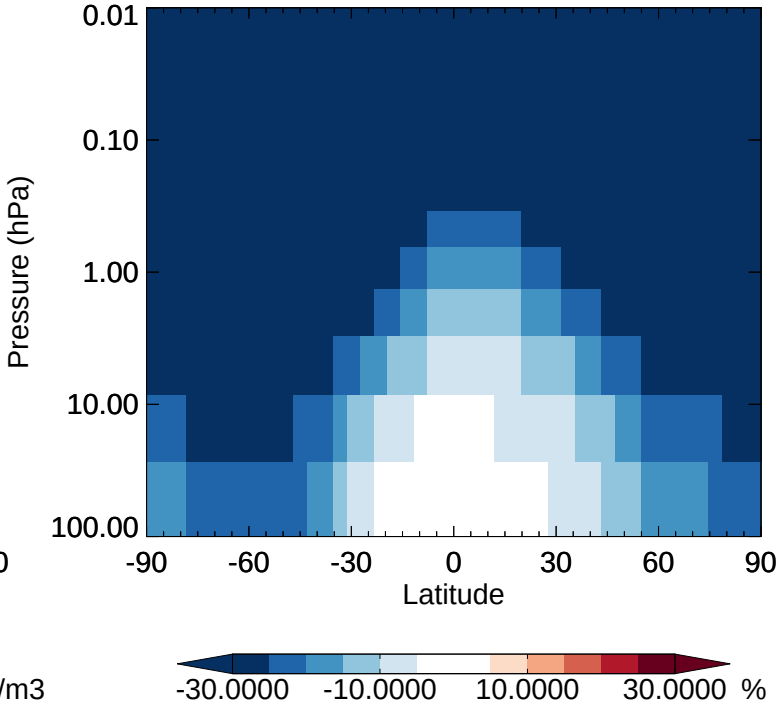
v11-02d - v11-02a

MSA - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

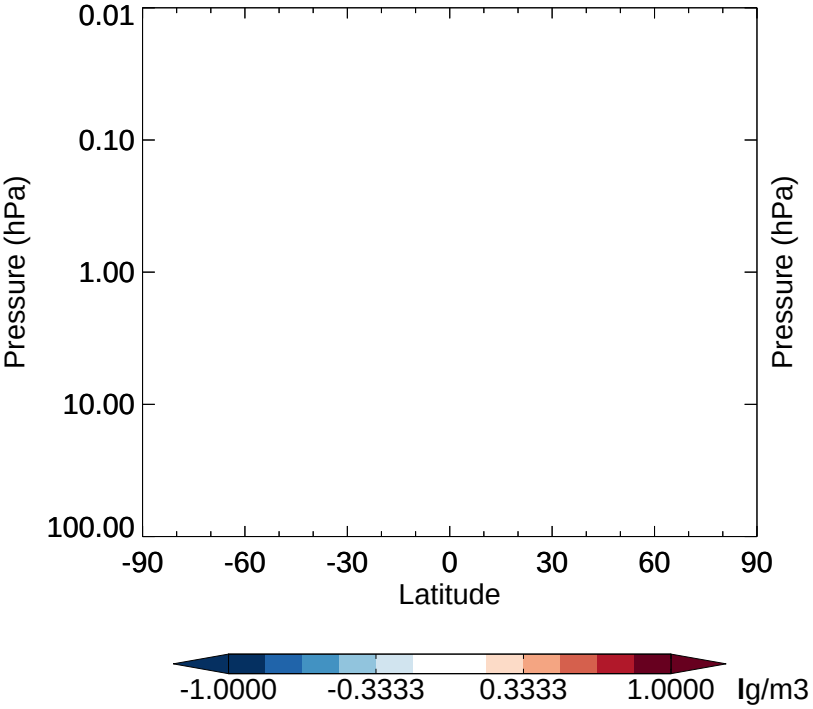
MSA - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

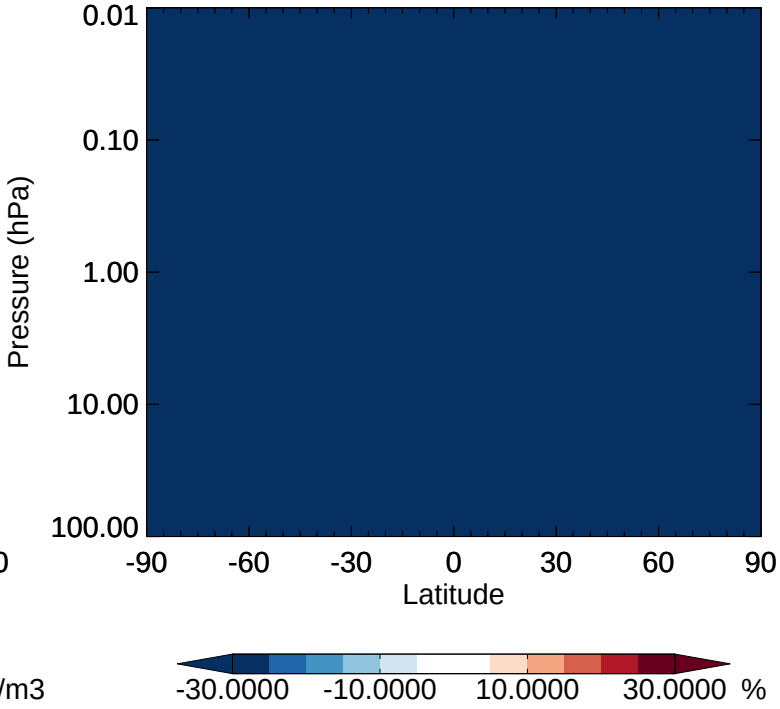
v11-02d - v11-02c

NH3 - Strat zonal mean abs diff for Jul



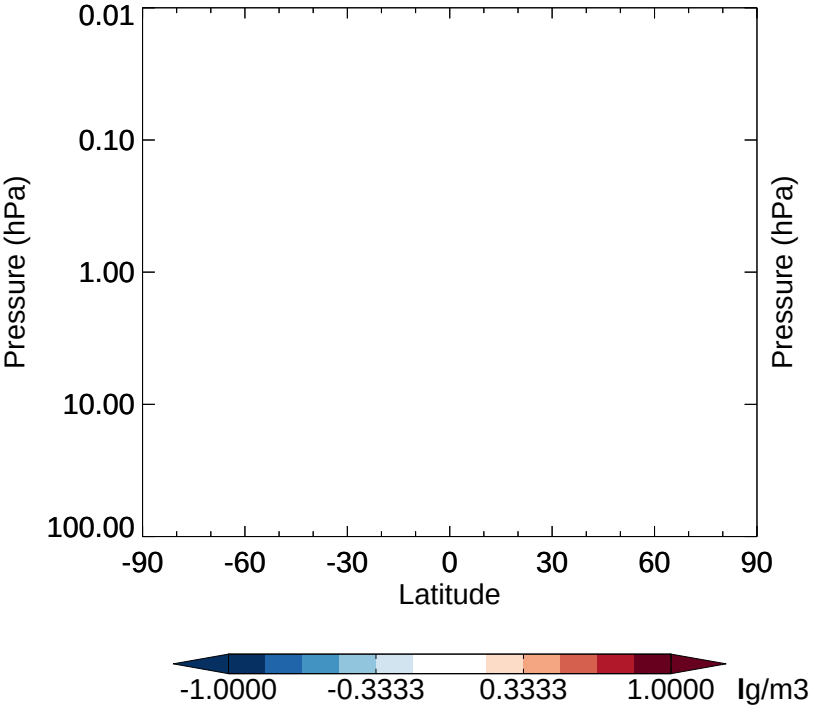
v11-02d / v11-02c

NH3 - Strat zonal mean % diff for Jul



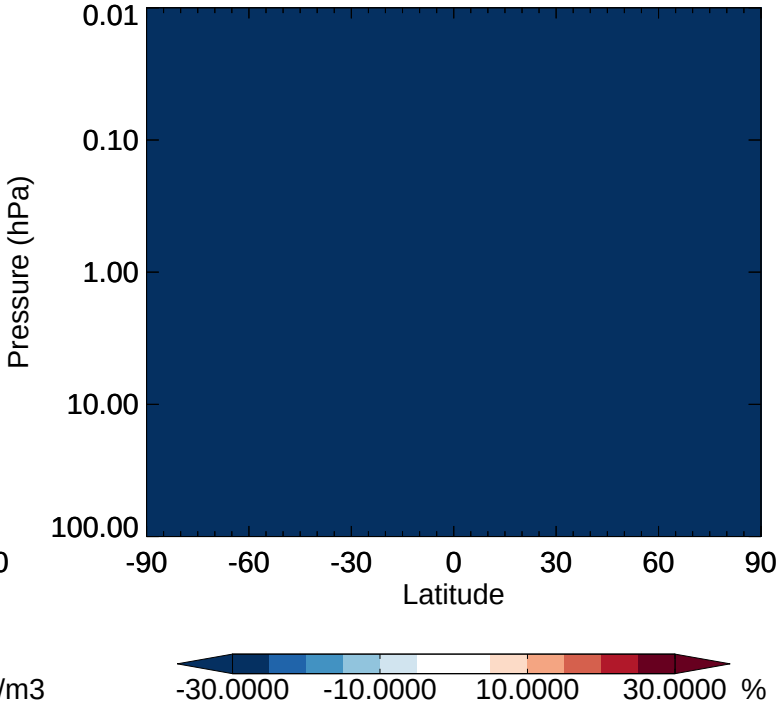
v11-02d - v11-02a

NH3 - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

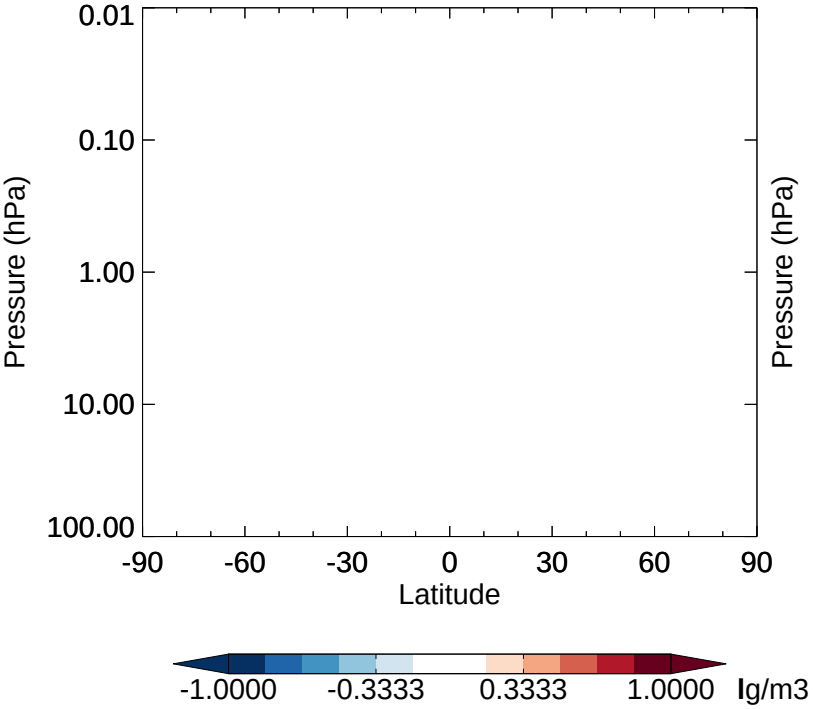
NH3 - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

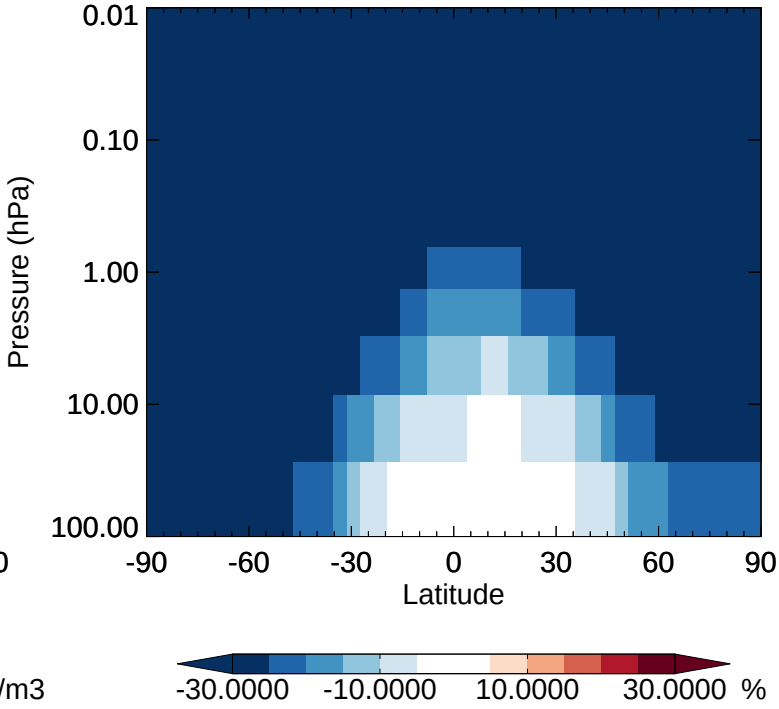
v11-02d - v11-02c

NH4 - Strat zonal mean abs diff for Jul



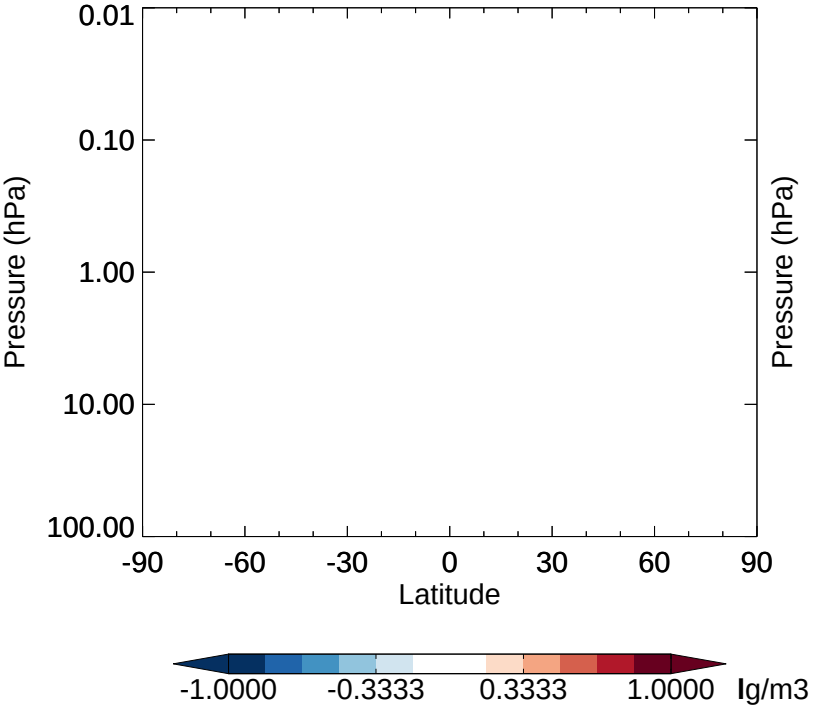
v11-02d / v11-02c

NH4 - Strat zonal mean % diff for Jul



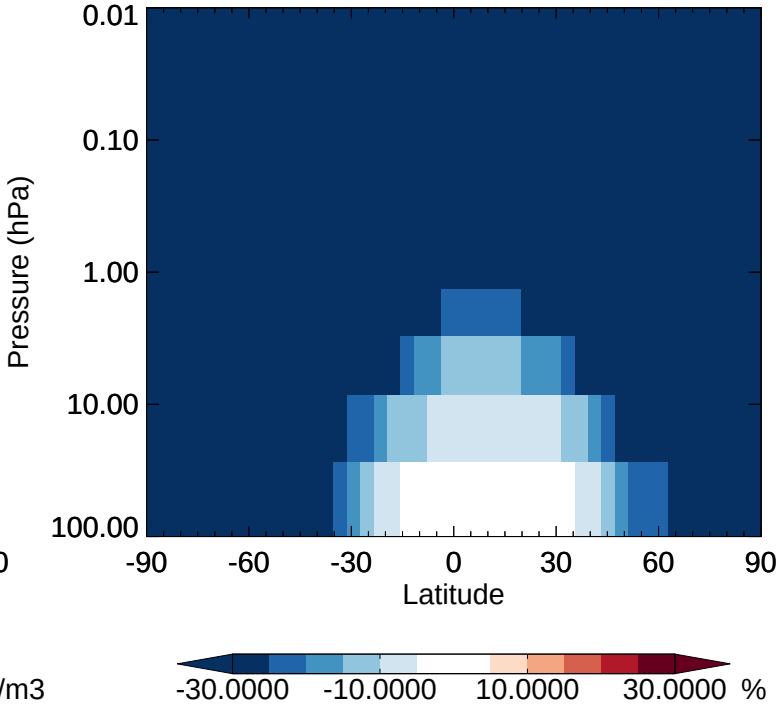
v11-02d - v11-02a

NH4 - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

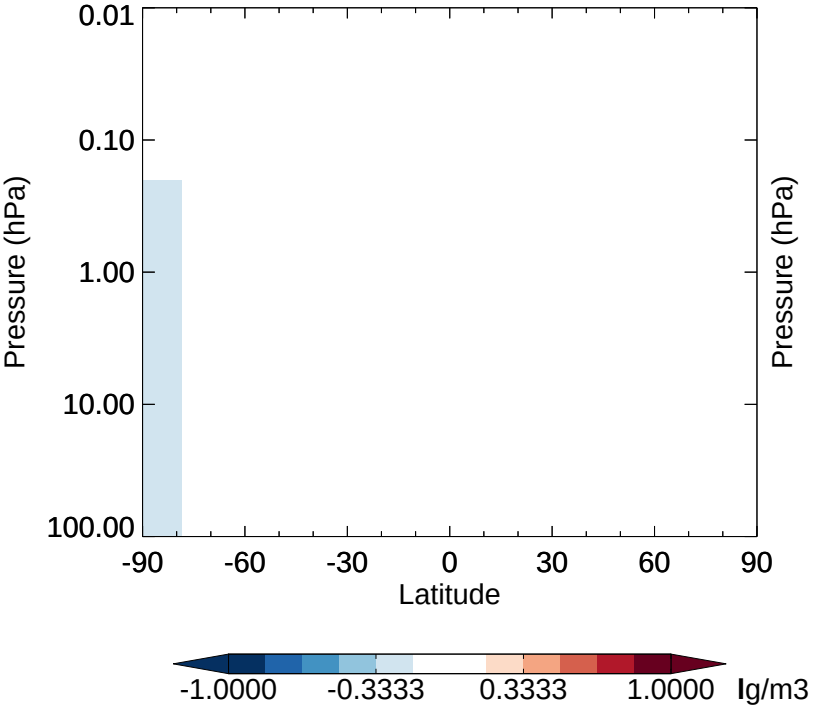
NH4 - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

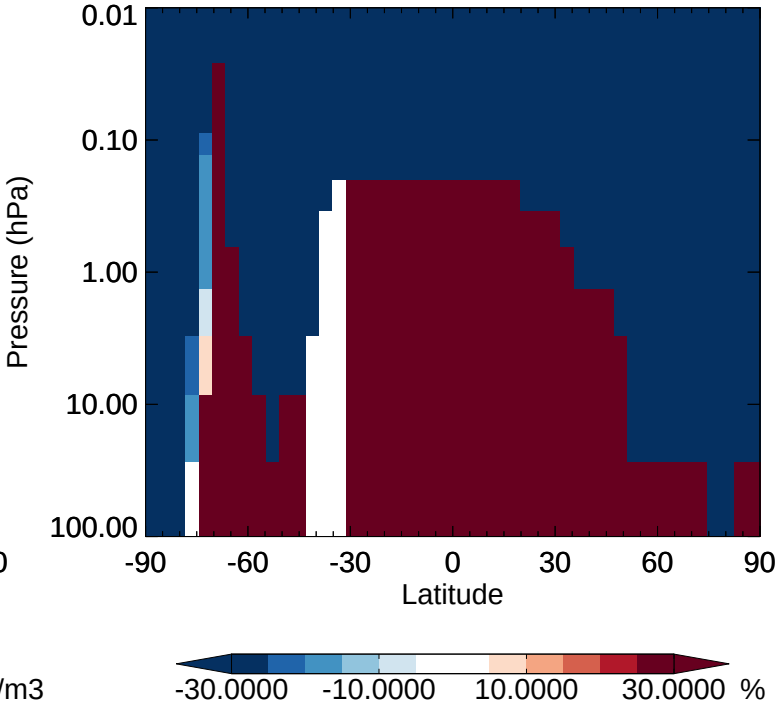
v11-02d - v11-02c

NIT - Strat zonal mean abs diff for Jul



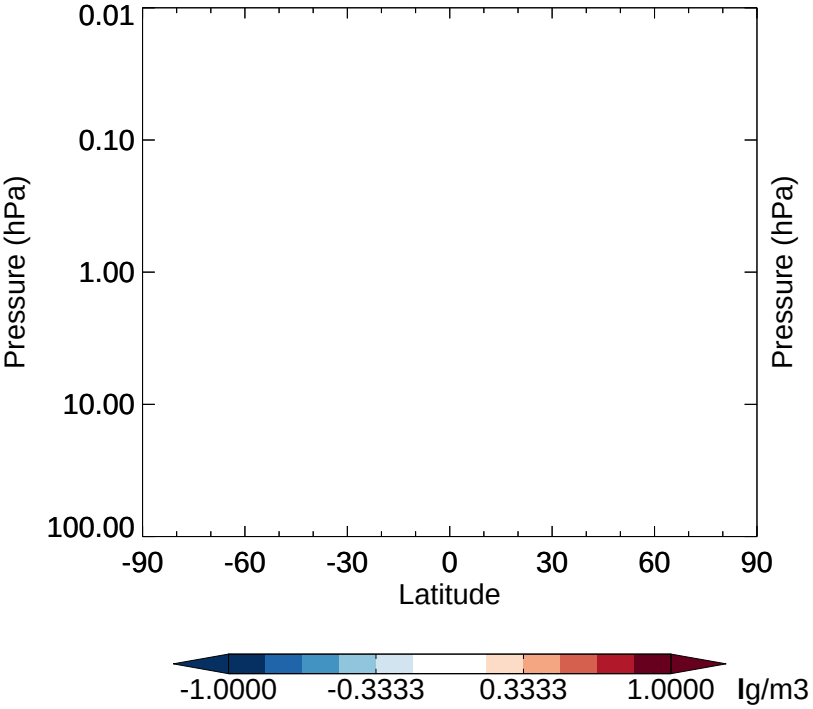
v11-02d / v11-02c

NIT - Strat zonal mean % diff for Jul



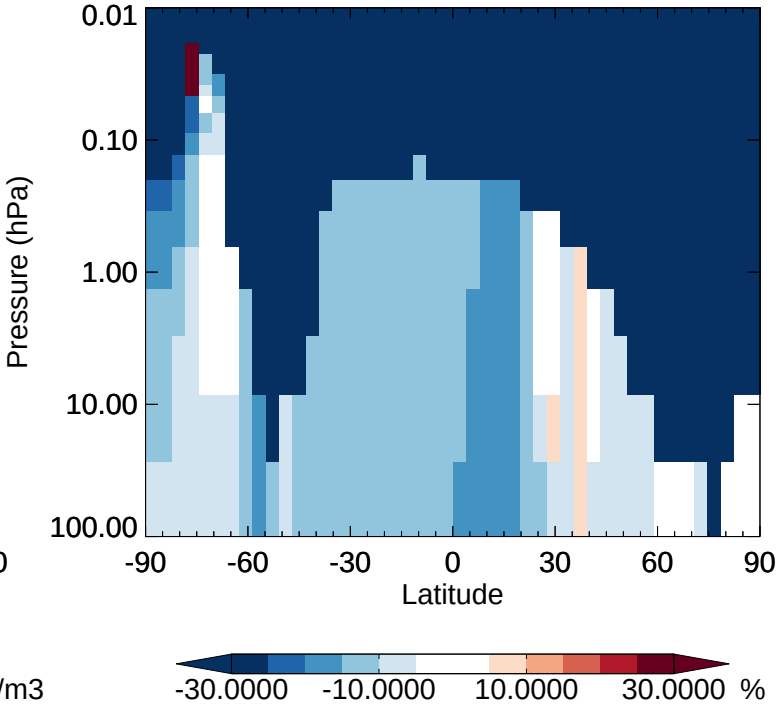
v11-02d - v11-02a

NIT - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

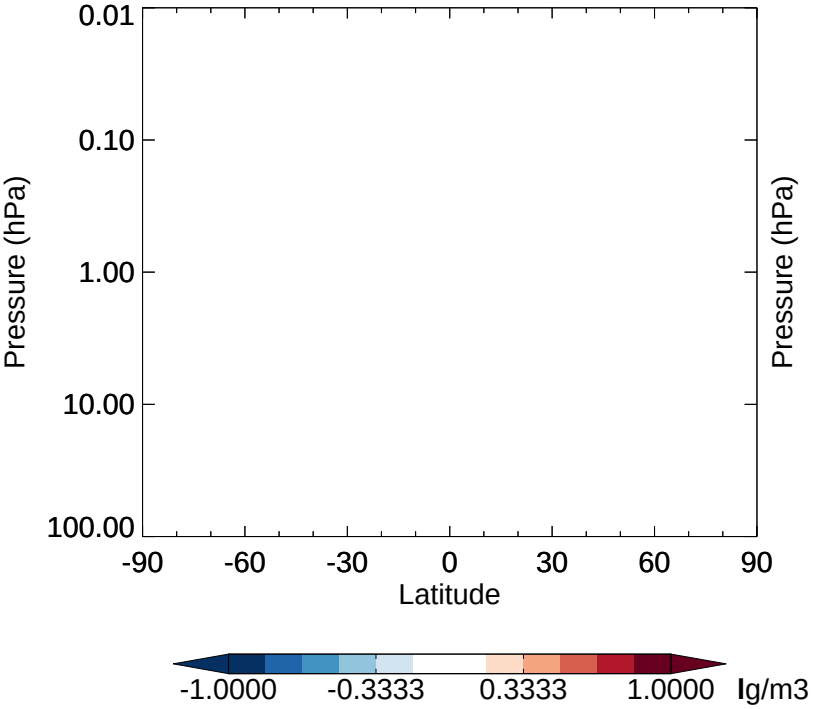
NIT - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

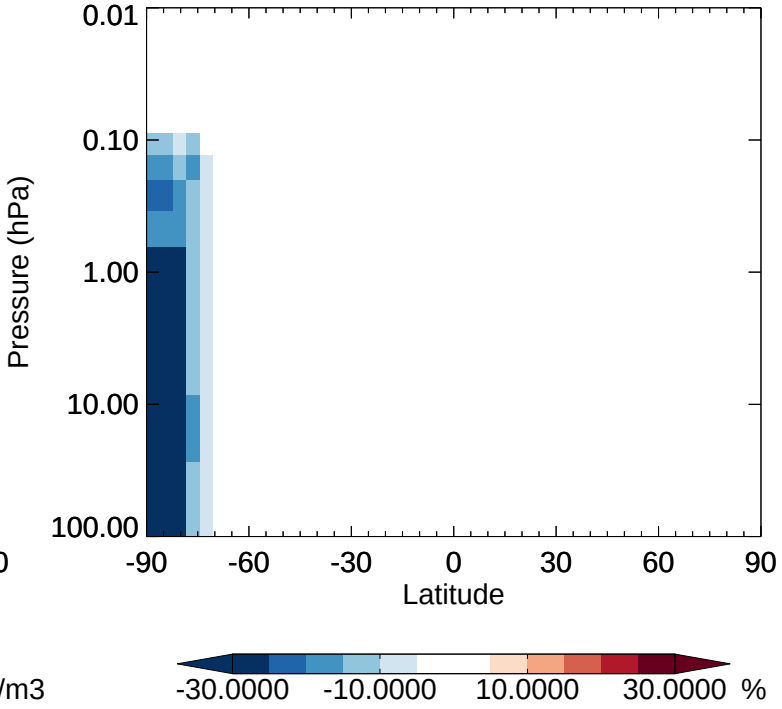
v11-02d - v11-02c

NITs - Strat zonal mean abs diff for Jul



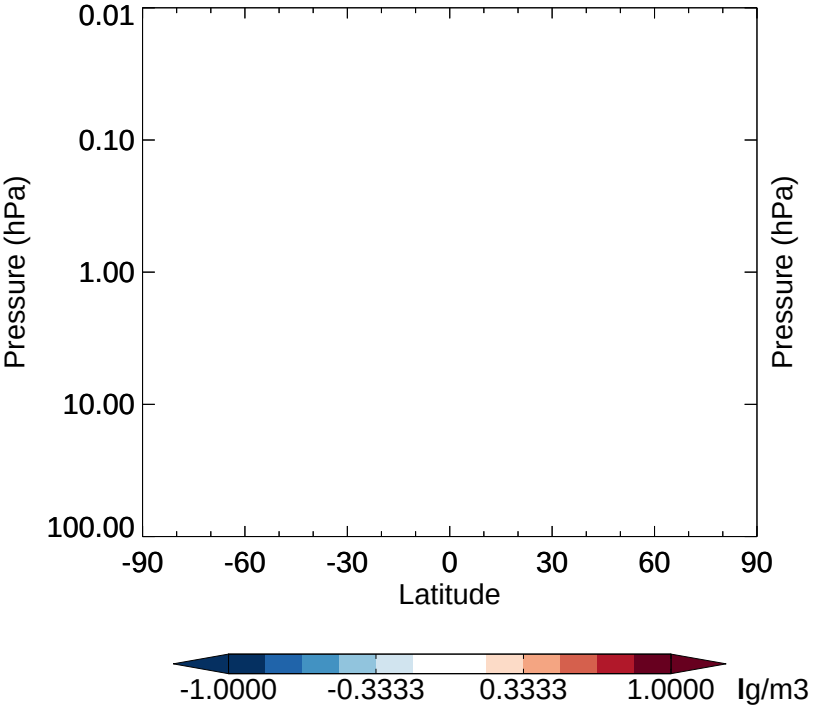
v11-02d / v11-02c

NITs - Strat zonal mean % diff for Jul



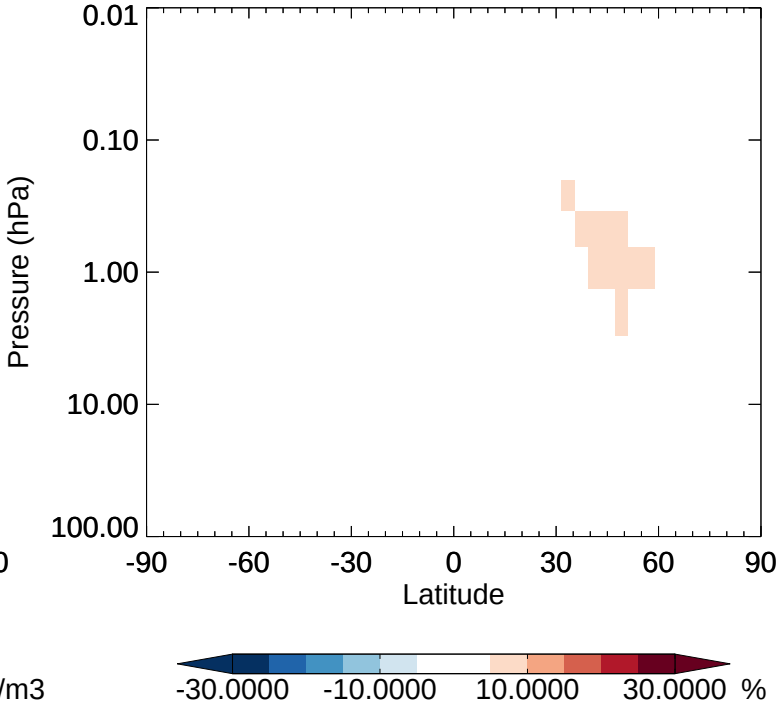
v11-02d - v11-02a

NITs - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

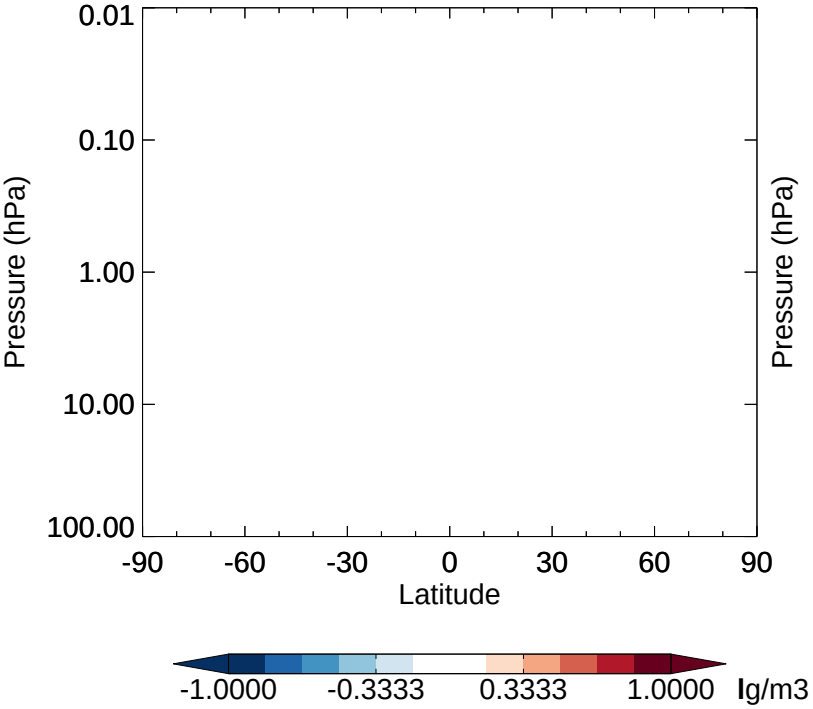
NITs - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

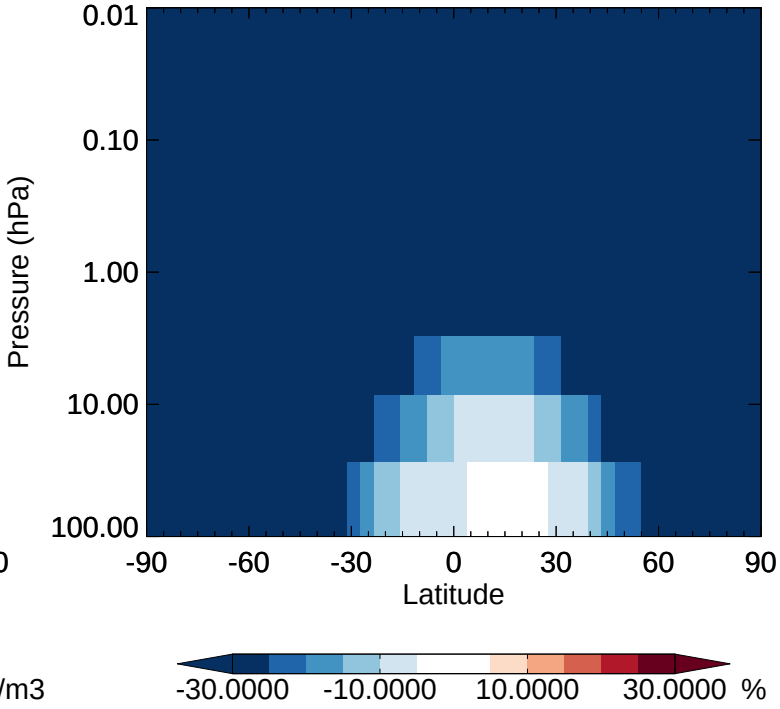
v11-02d - v11-02c

BCPI - Strat zonal mean abs diff for Jul



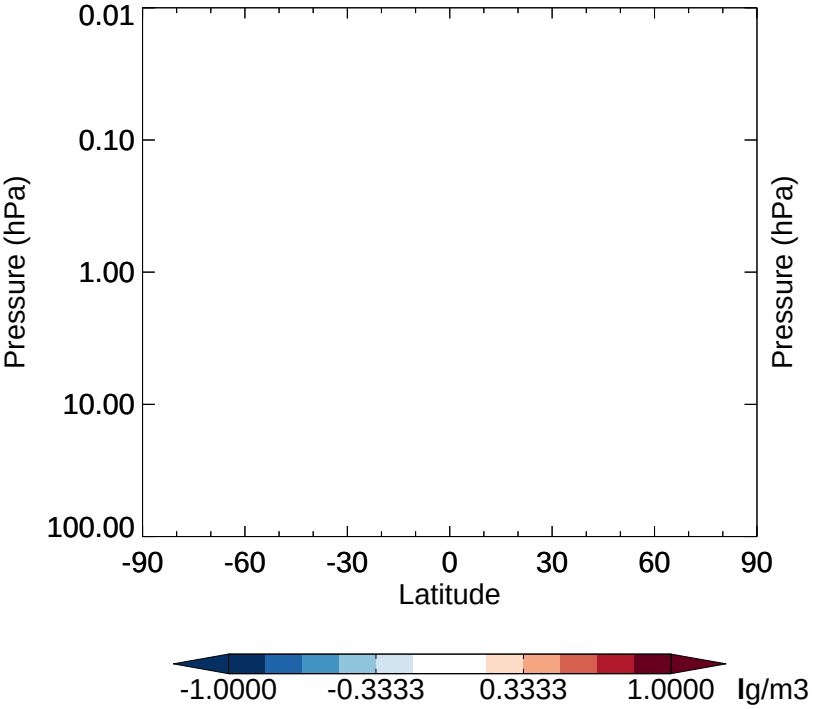
v11-02d / v11-02c

BCPI - Strat zonal mean % diff for Jul



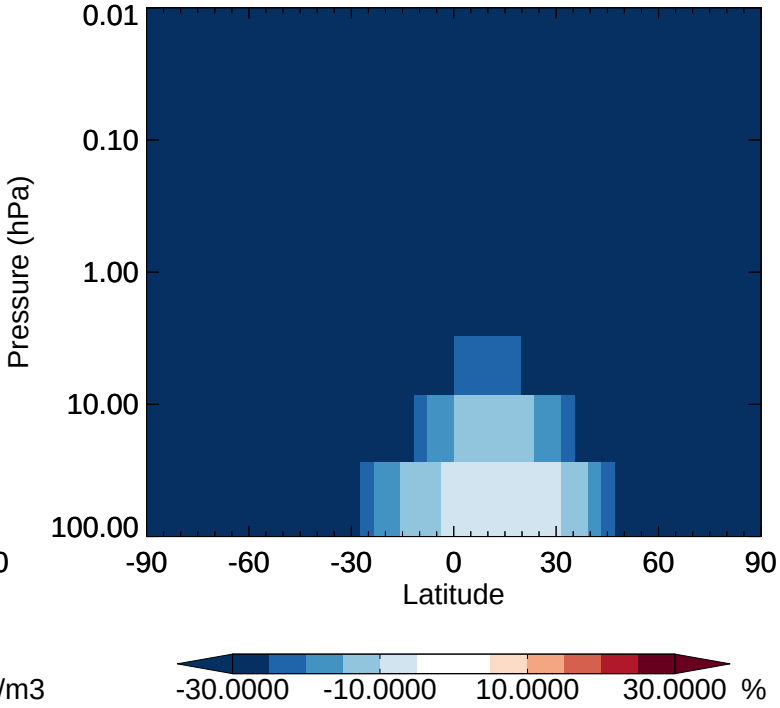
v11-02d - v11-02a

BCPI - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

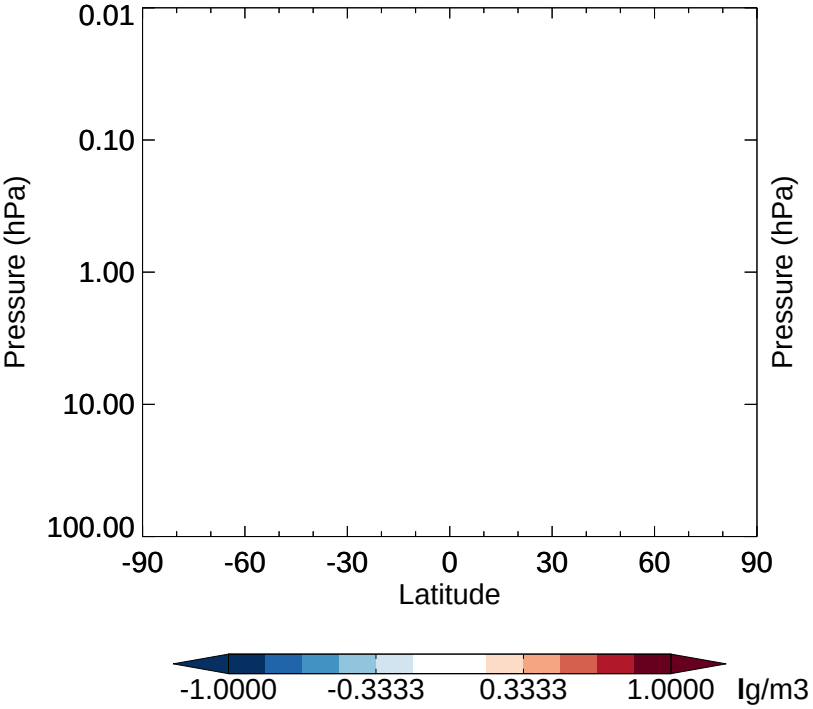
BCPI - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

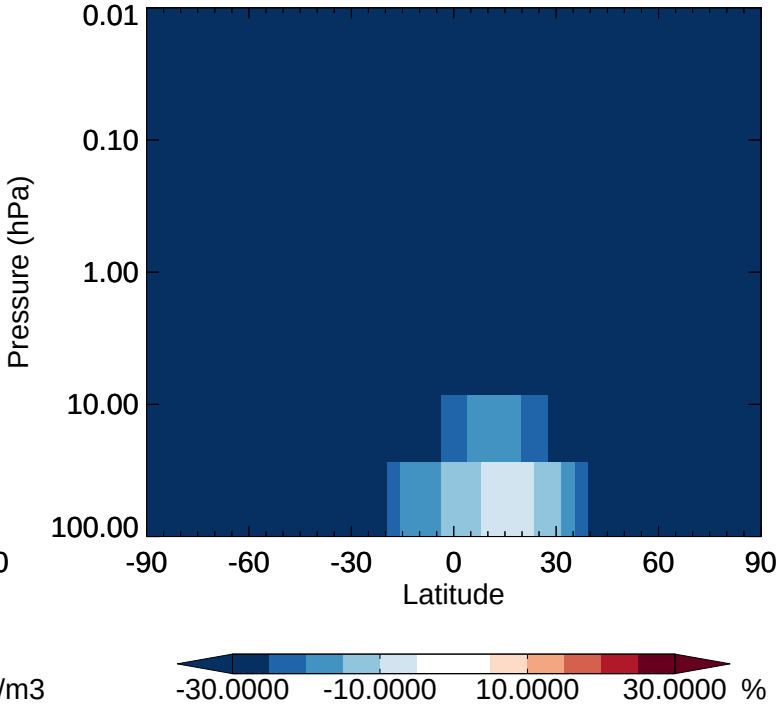
v11-02d - v11-02c

OCPI - Strat zonal mean abs diff for Jul



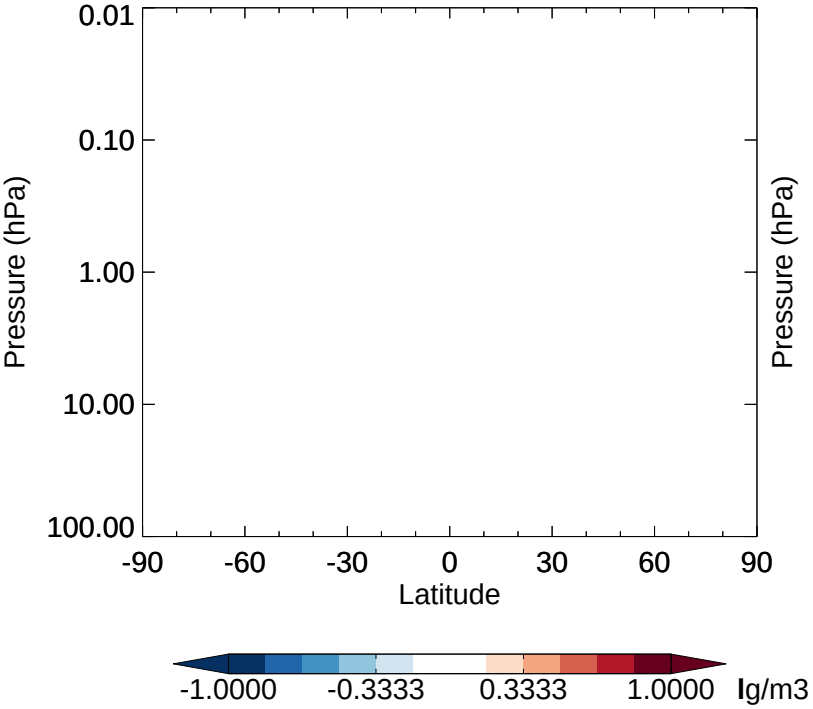
v11-02d / v11-02c

OCPI - Strat zonal mean % diff for Jul



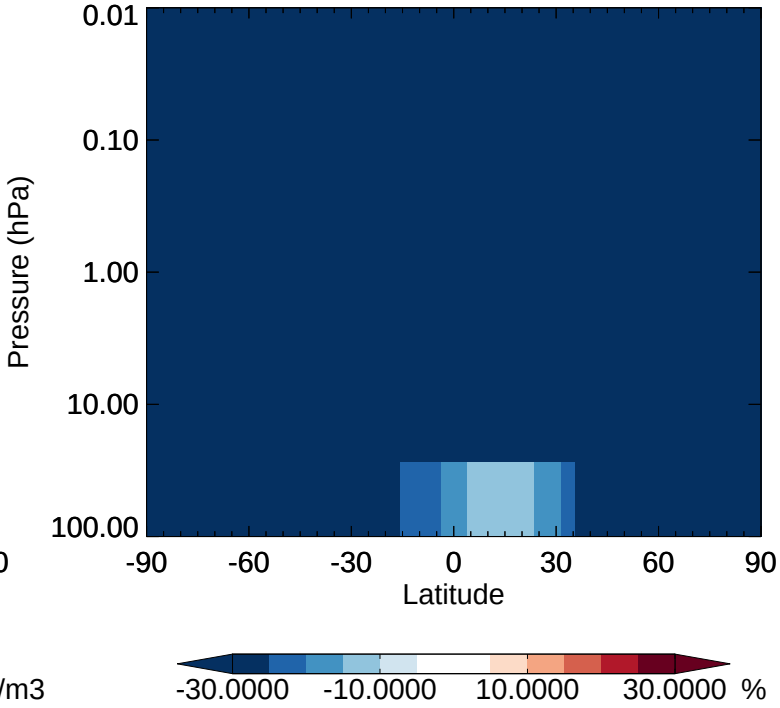
v11-02d - v11-02a

OCPI - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

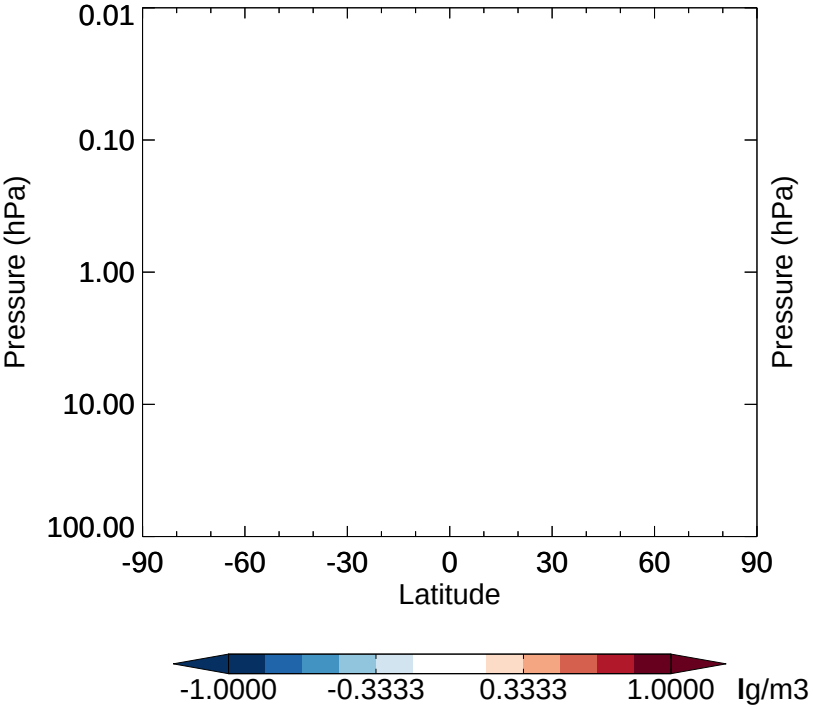
OCPI - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

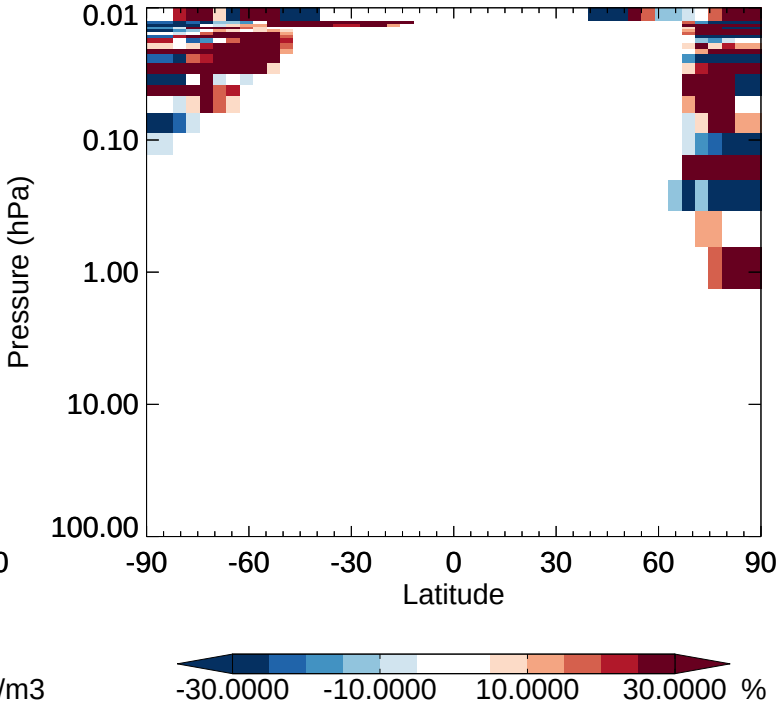
v11-02d - v11-02c

BCPO - Strat zonal mean abs diff for Jul



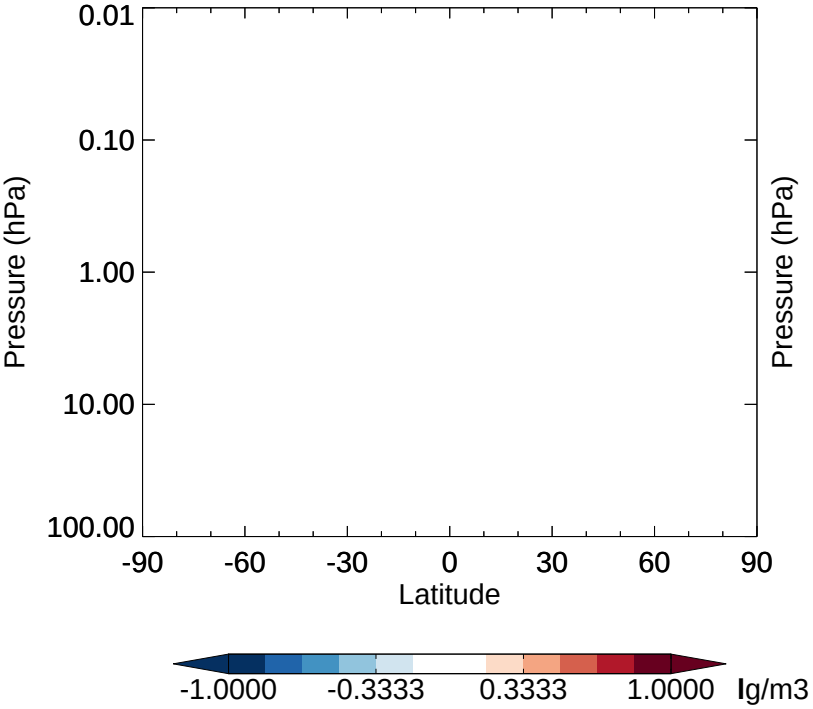
v11-02d / v11-02c

BCPO - Strat zonal mean % diff for Jul



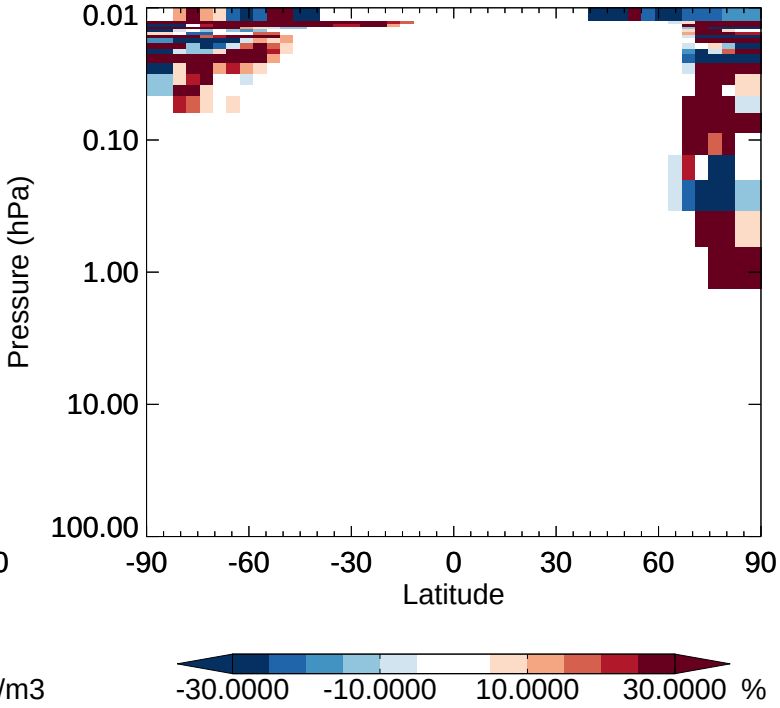
v11-02d - v11-02a

BCPO - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

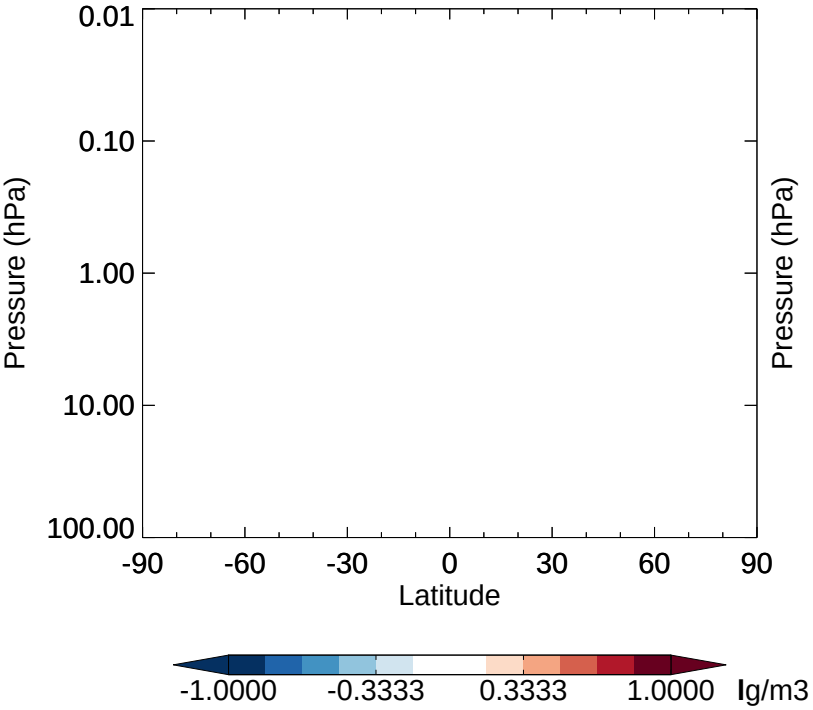
BCPO - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

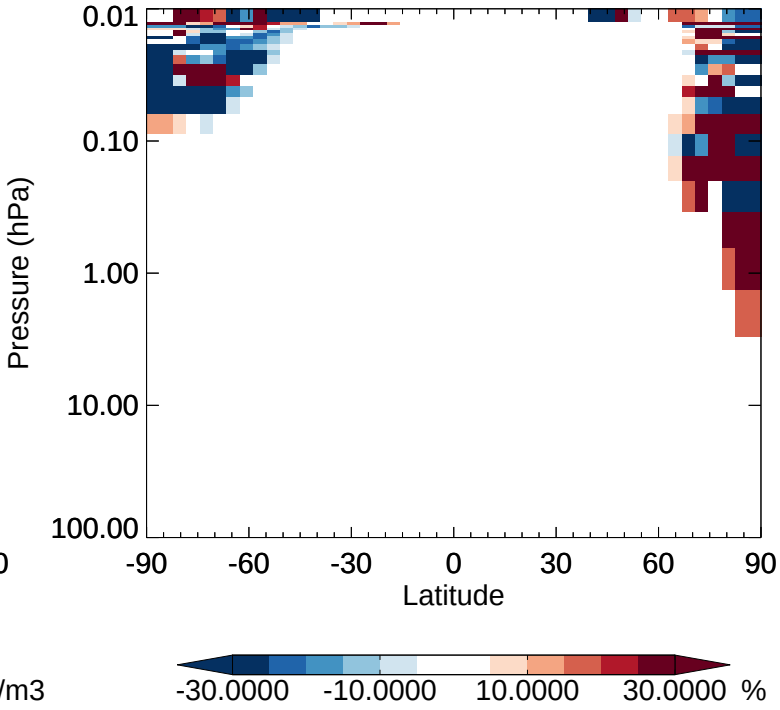
v11-02d - v11-02c

OCPO - Strat zonal mean abs diff for Jul



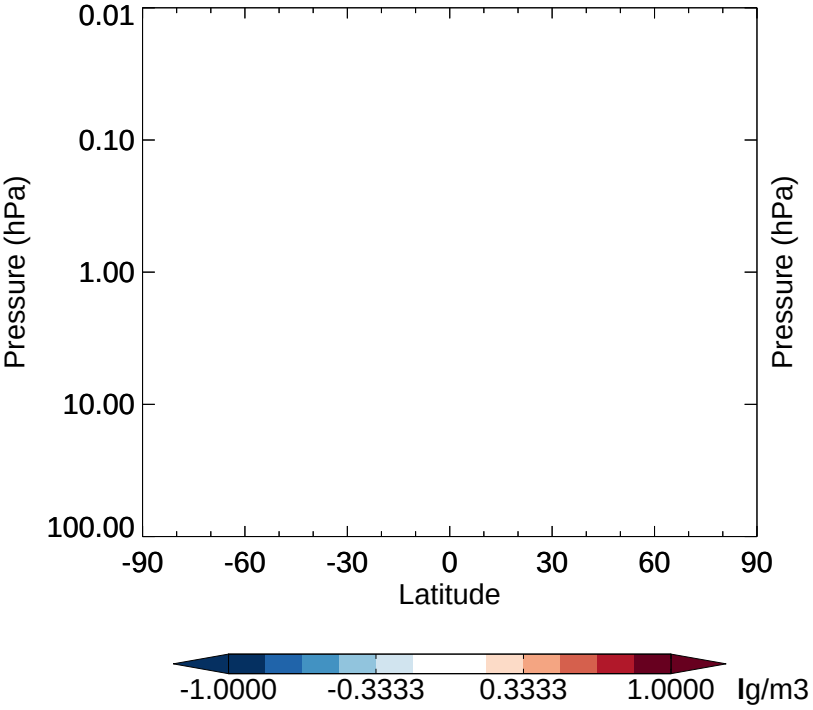
v11-02d / v11-02c

OCPO - Strat zonal mean % diff for Jul



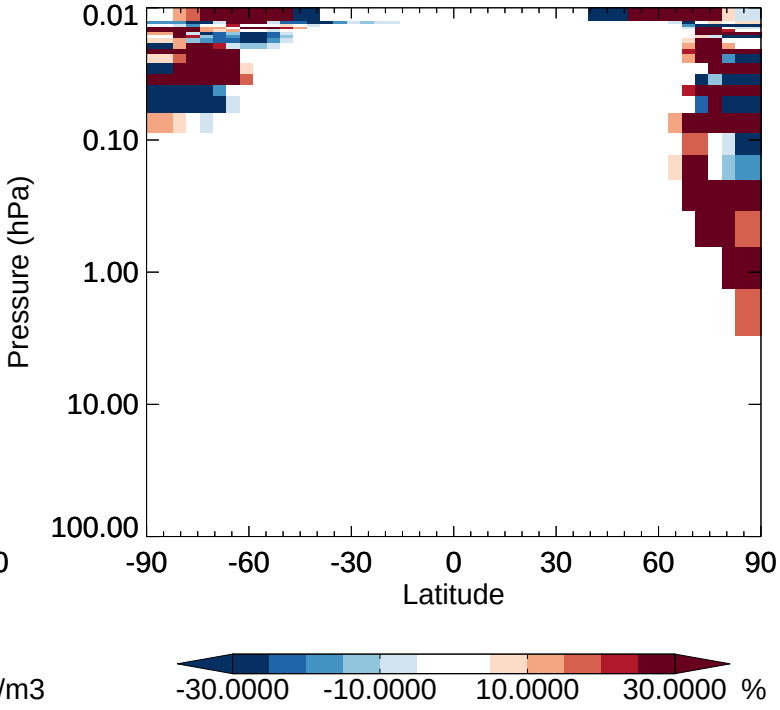
v11-02d - v11-02a

OCPO - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

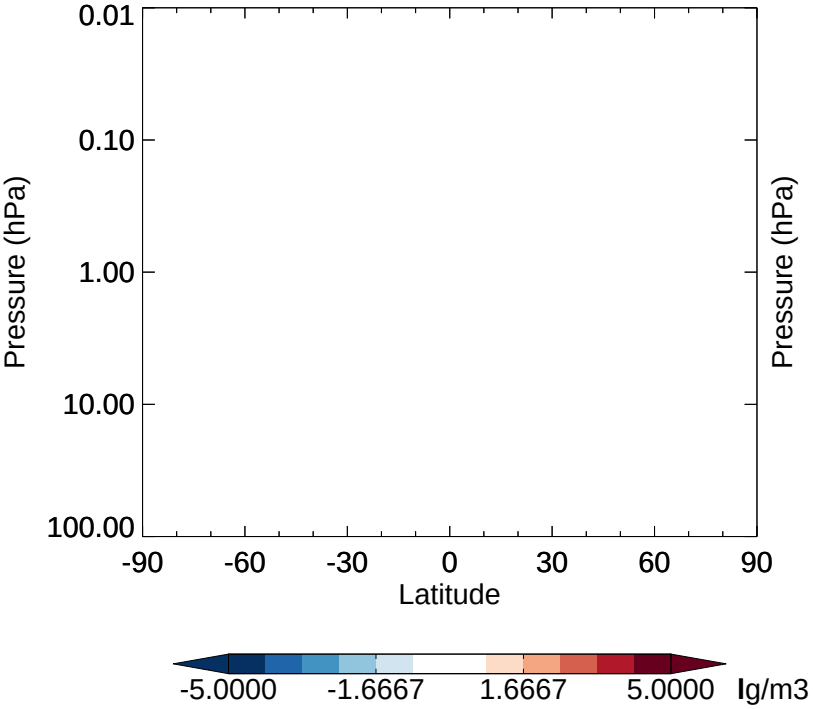
OCPO - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

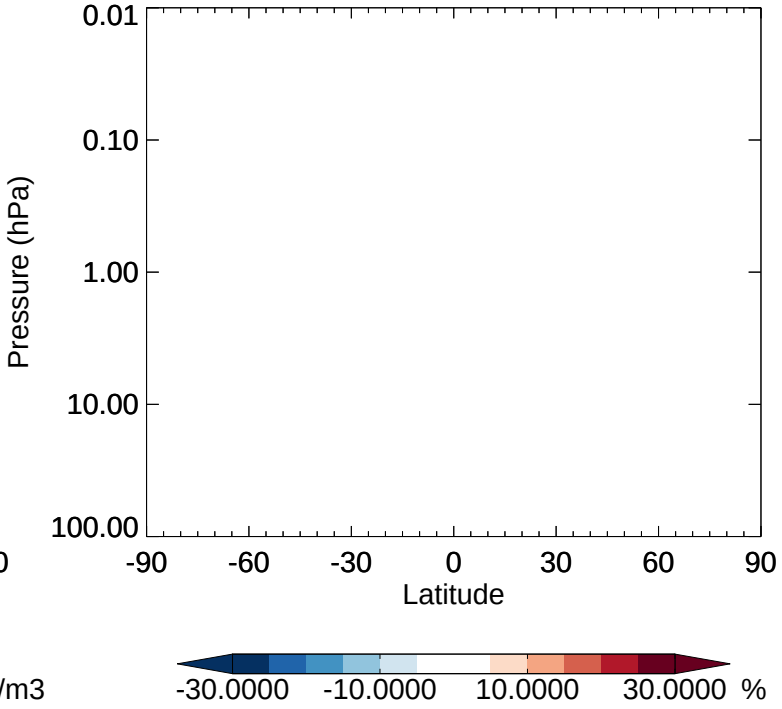
v11-02d - v11-02c

DST1 - Strat zonal mean abs diff for Jul



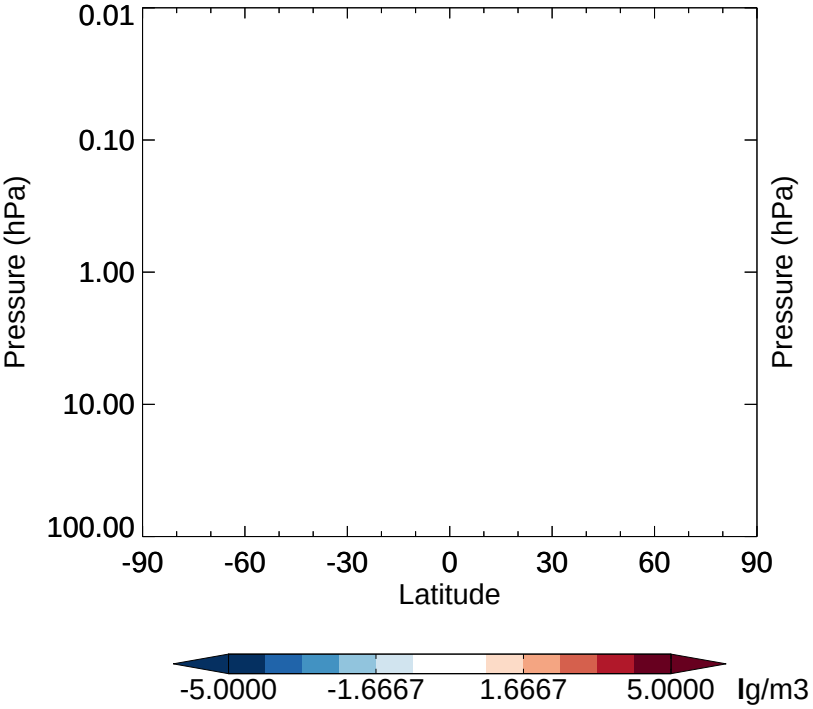
v11-02d / v11-02c

DST1 - Strat zonal mean % diff for Jul



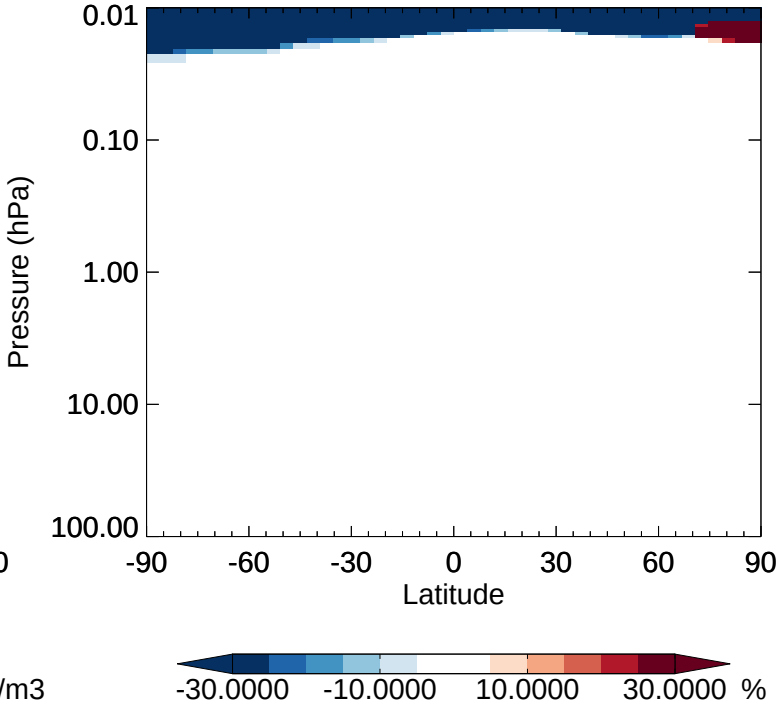
v11-02d - v11-02a

DST1 - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

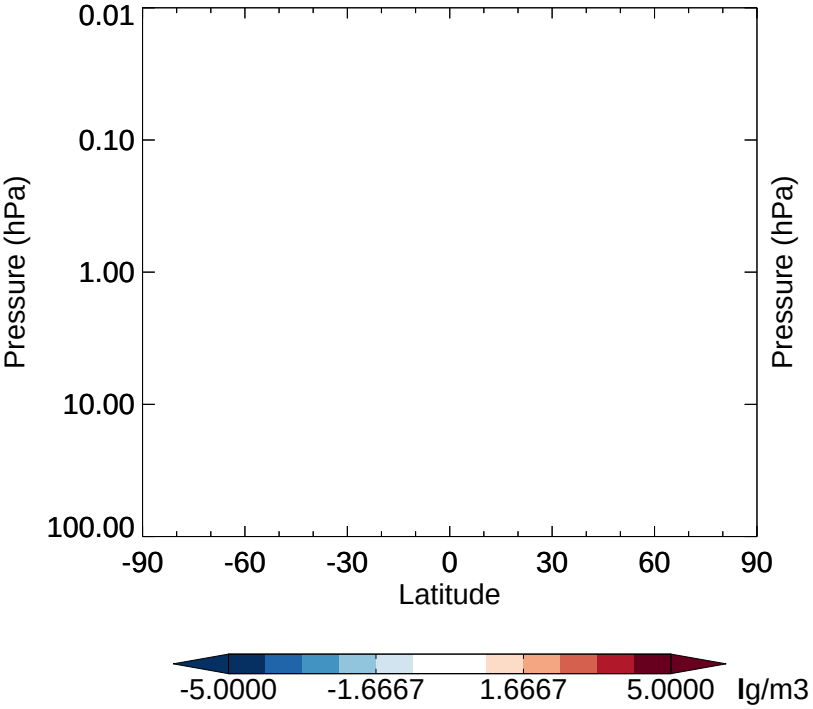
DST1 - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

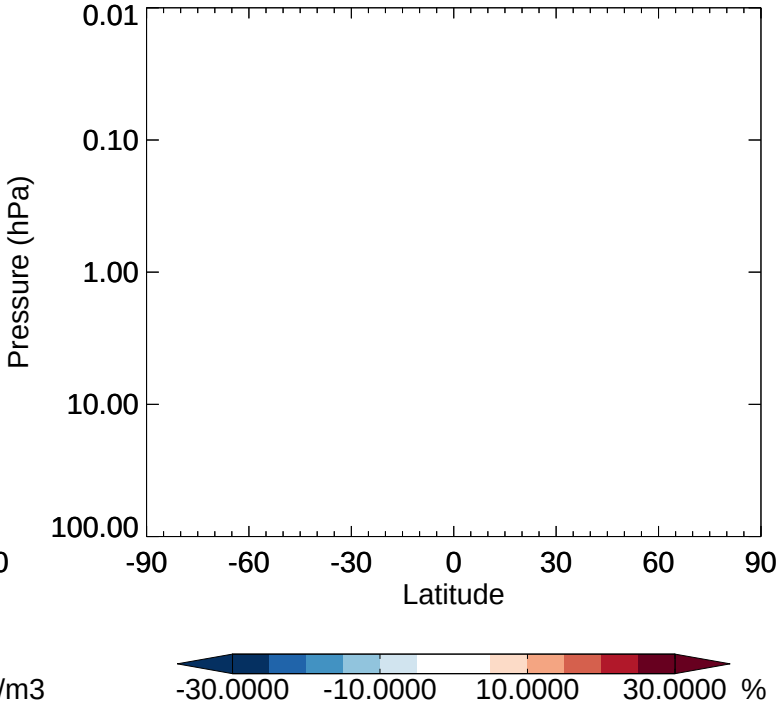
v11-02d - v11-02c

DST2 - Strat zonal mean abs diff for Jul



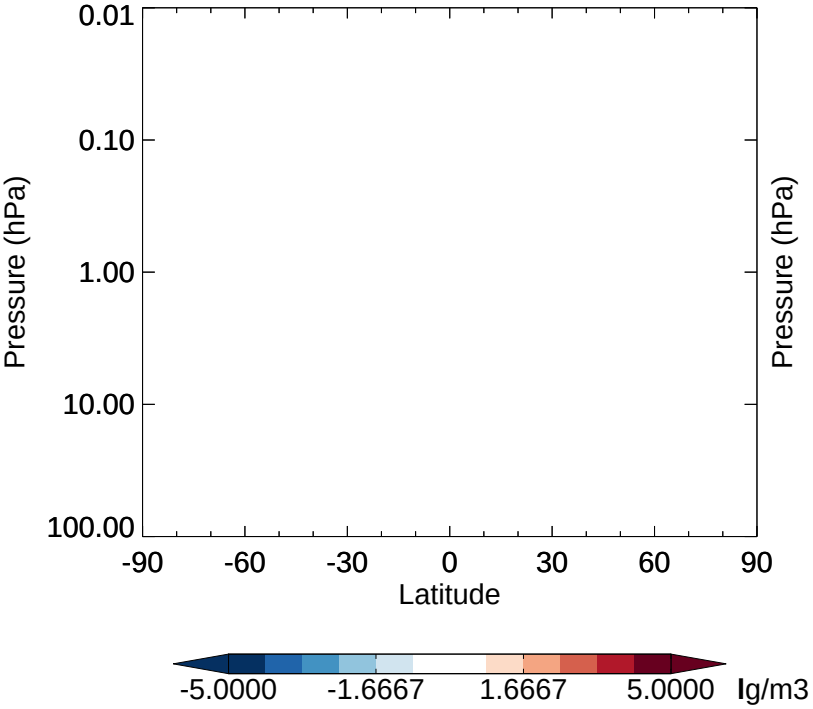
v11-02d / v11-02c

DST2 - Strat zonal mean % diff for Jul



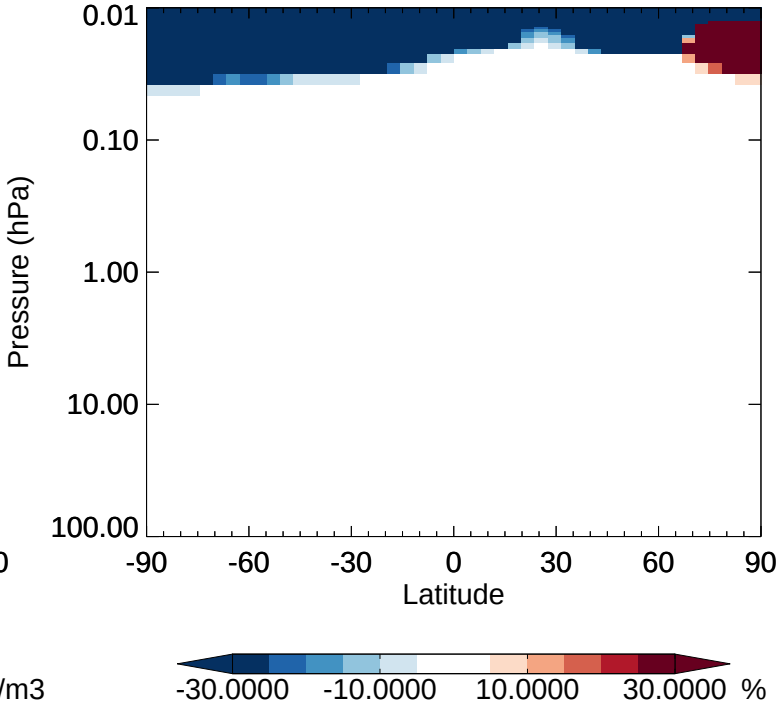
v11-02d - v11-02a

DST2 - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

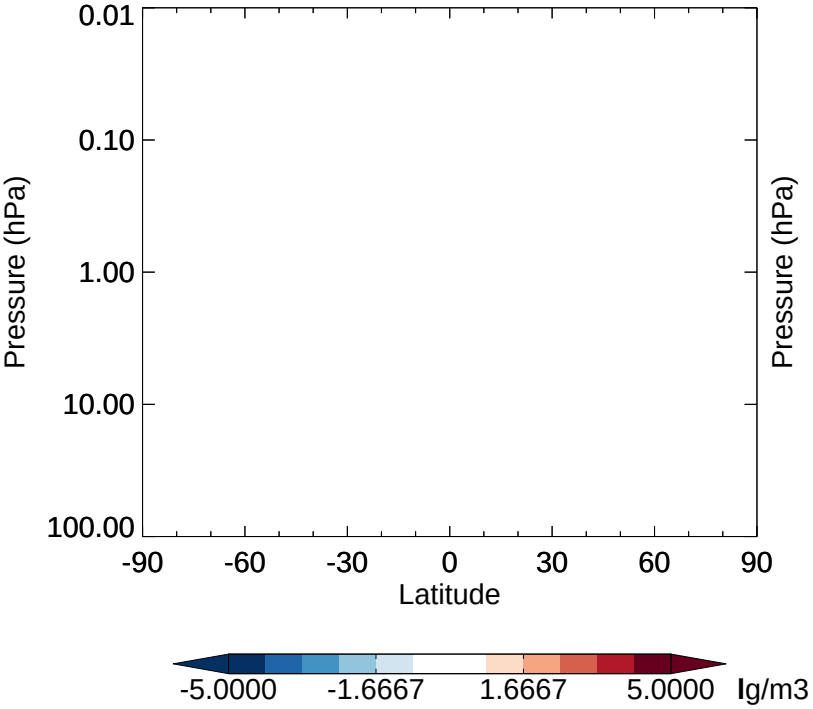
DST2 - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

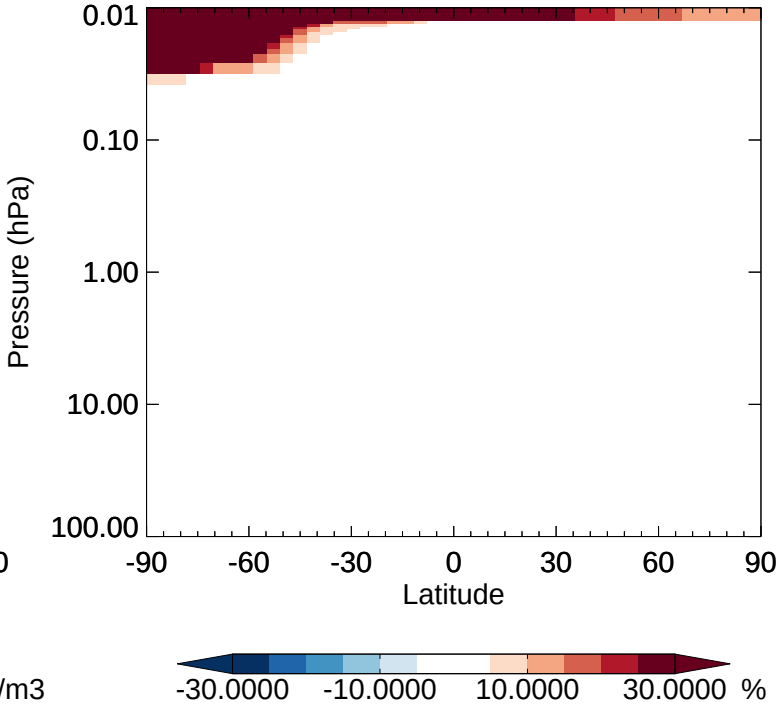
v11-02d - v11-02c

DST3 - Strat zonal mean abs diff for Jul



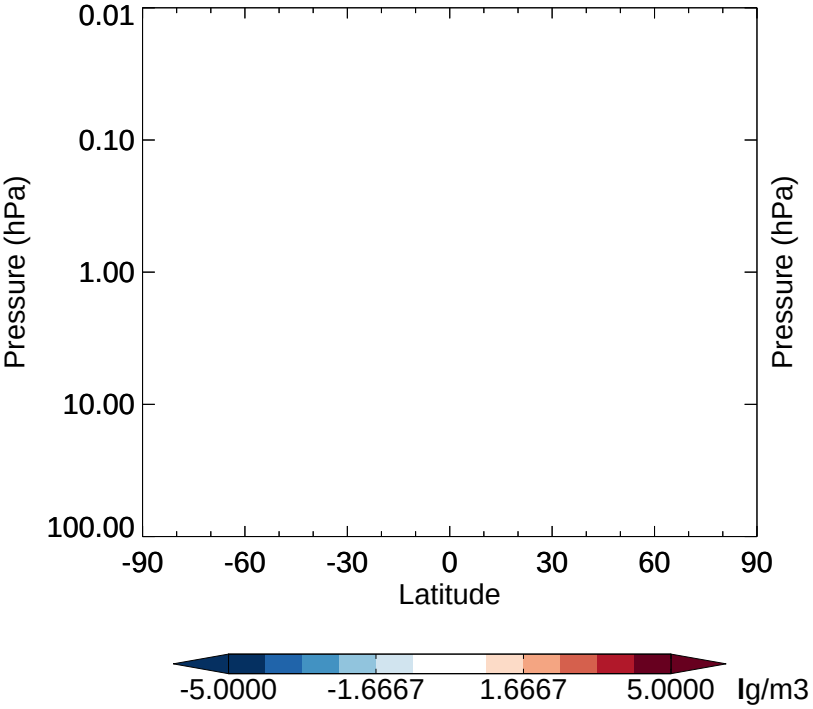
v11-02d / v11-02c

DST3 - Strat zonal mean % diff for Jul



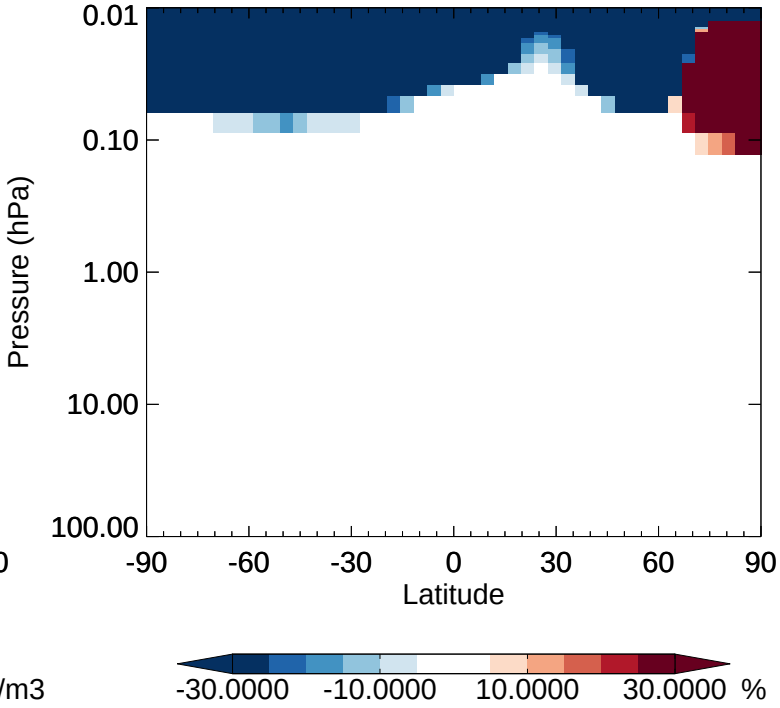
v11-02d - v11-02a

DST3 - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

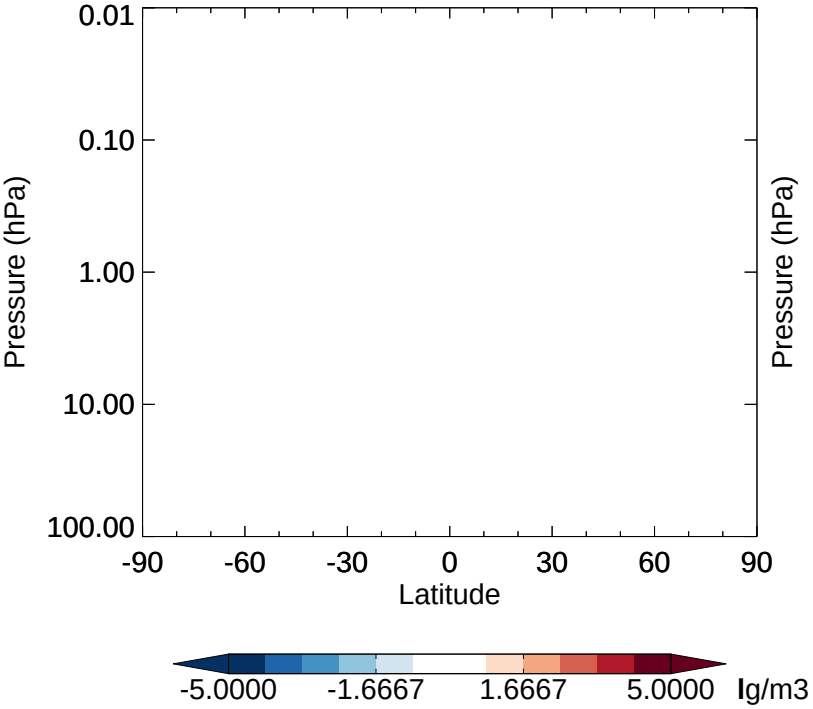
DST3 - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

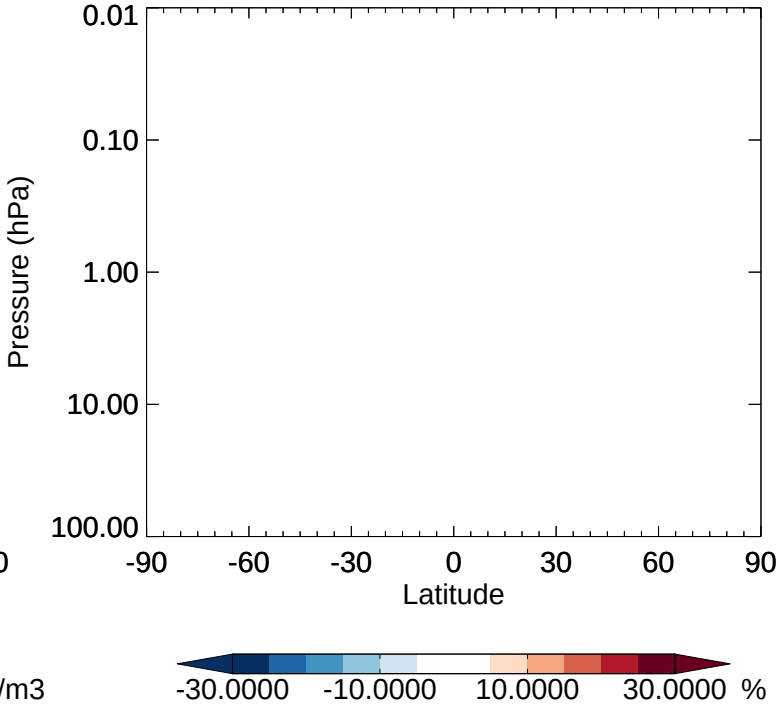
v11-02d - v11-02c

DST4 - Strat zonal mean abs diff for Jul



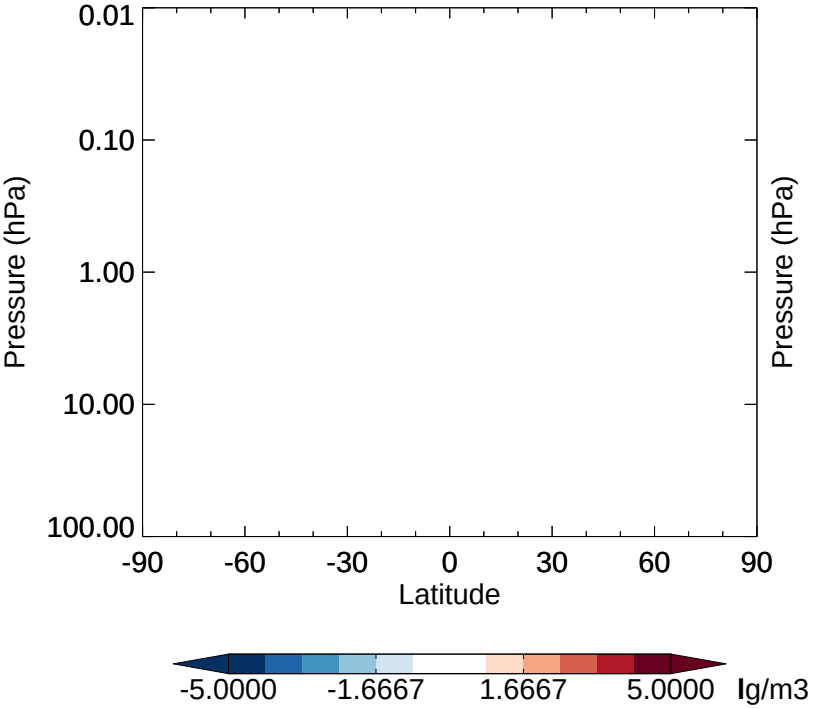
v11-02d / v11-02c

DST4 - Strat zonal mean % diff for Jul



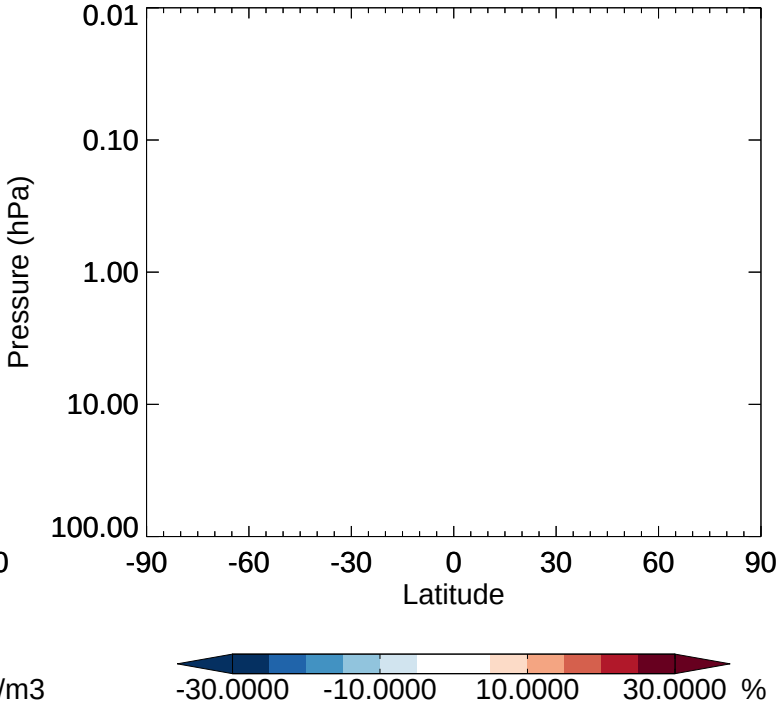
v11-02d - v11-02a

DST4 - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

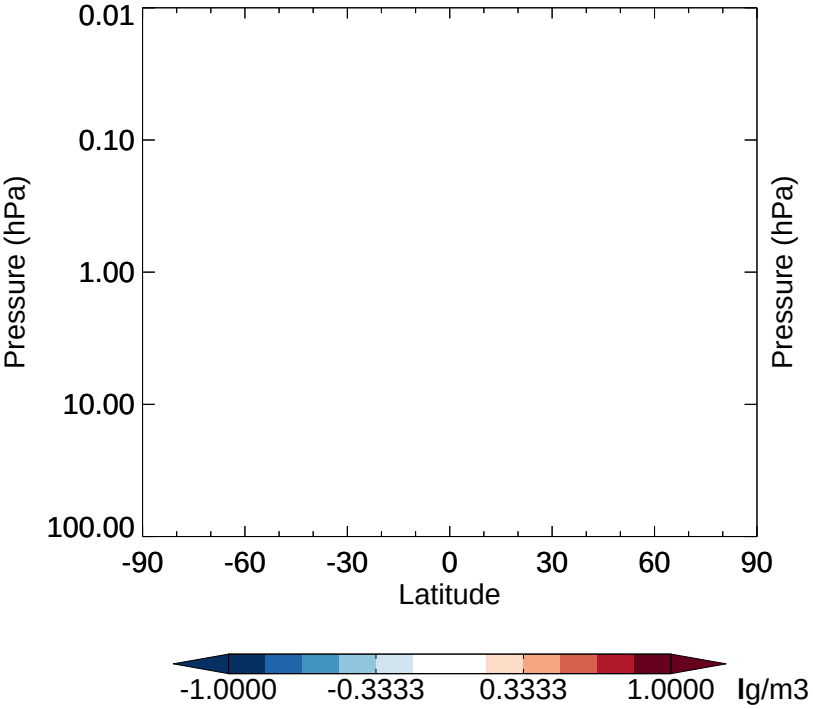
DST4 - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

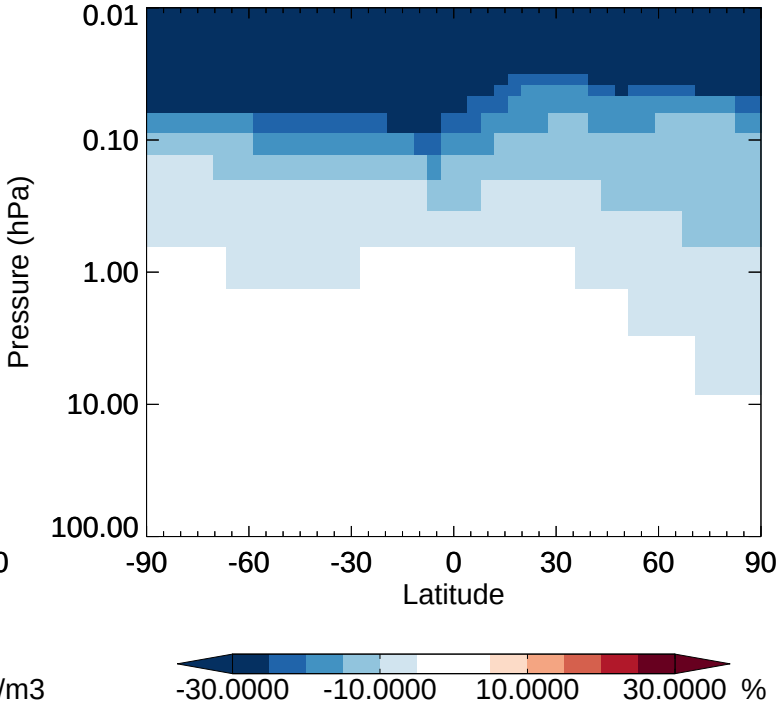
v11-02d - v11-02c

SALA - Strat zonal mean abs diff for Jul



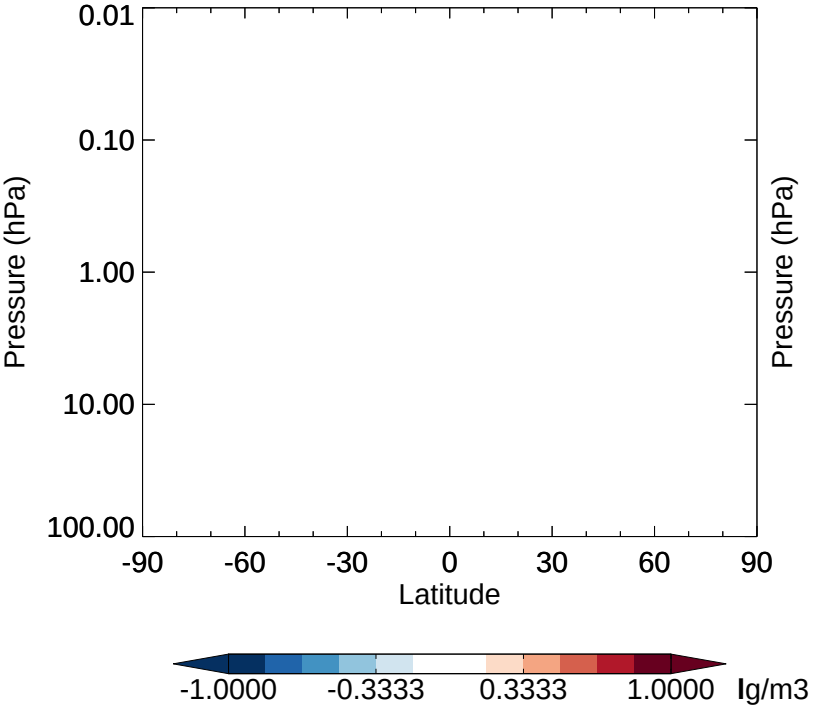
v11-02d / v11-02c

SALA - Strat zonal mean % diff for Jul



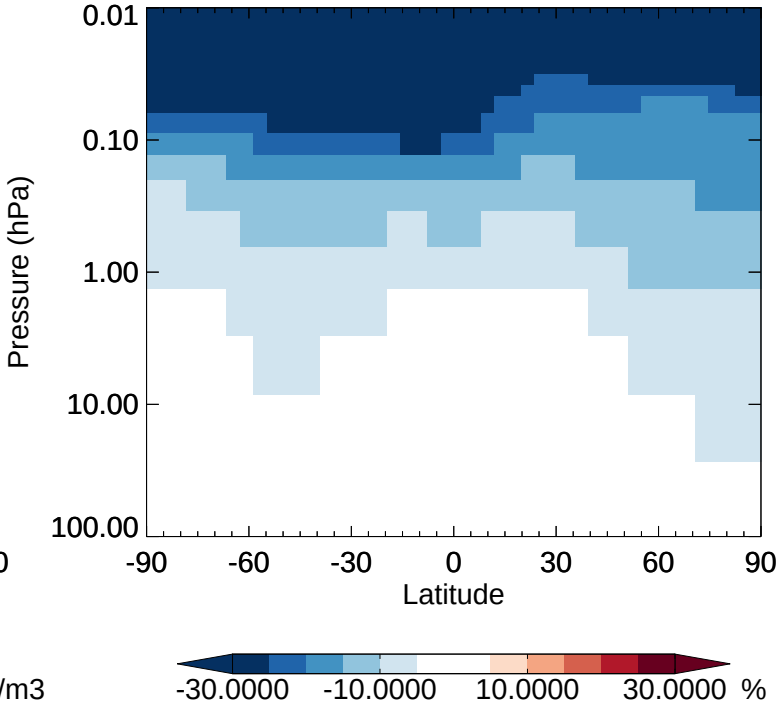
v11-02d - v11-02a

SALA - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

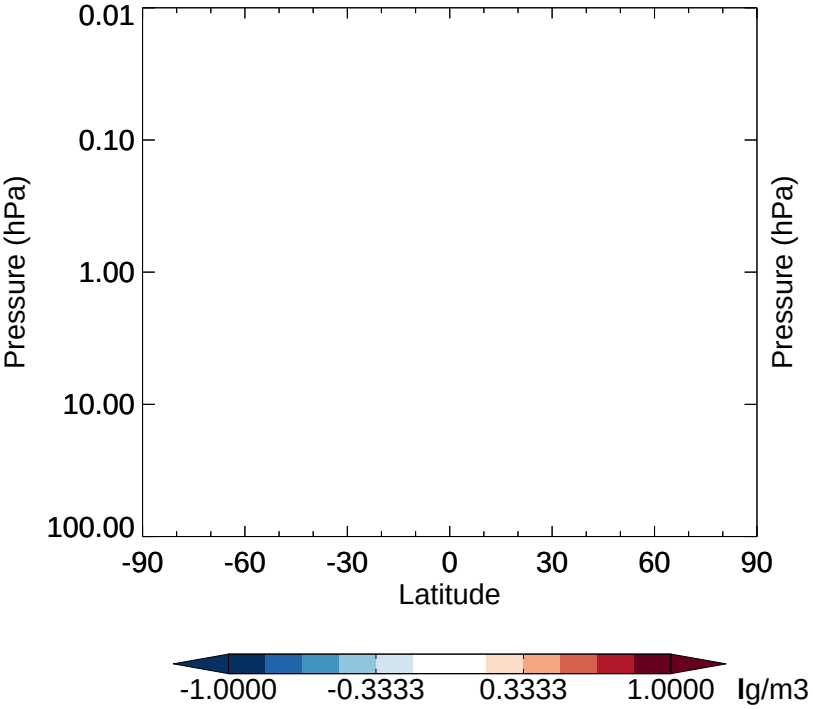
SALA - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

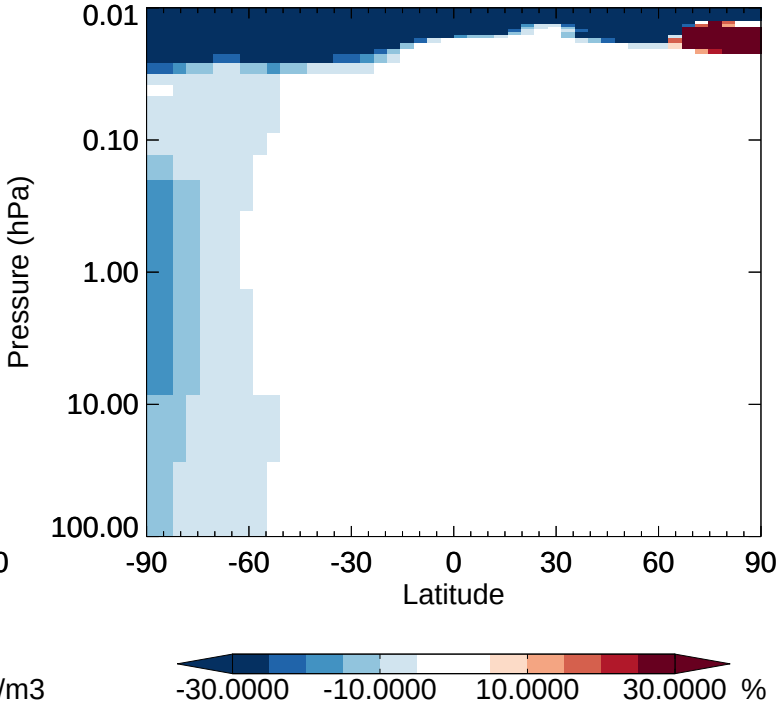
v11-02d - v11-02c

SALC - Strat zonal mean abs diff for Jul



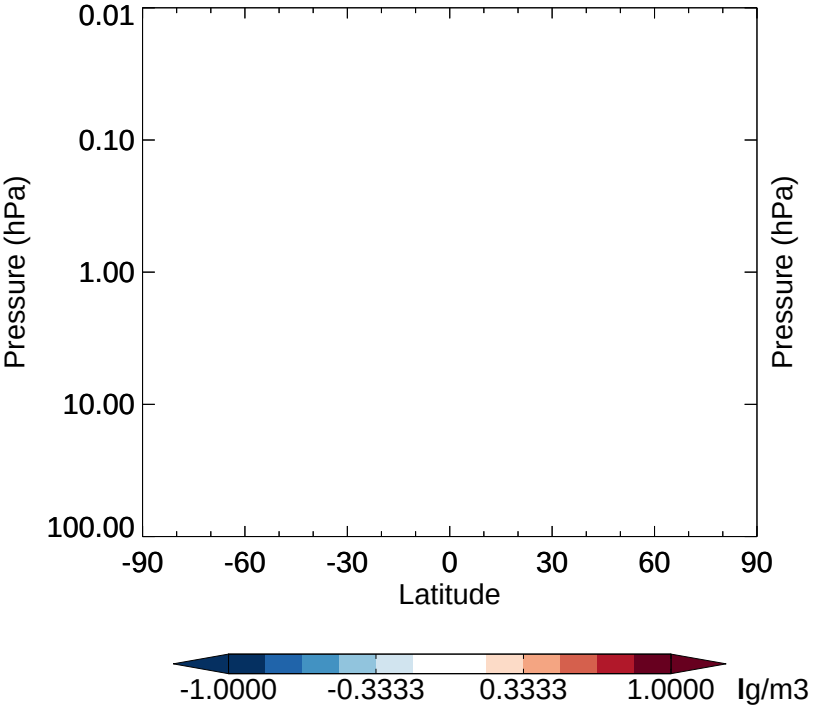
v11-02d / v11-02c

SALC - Strat zonal mean % diff for Jul



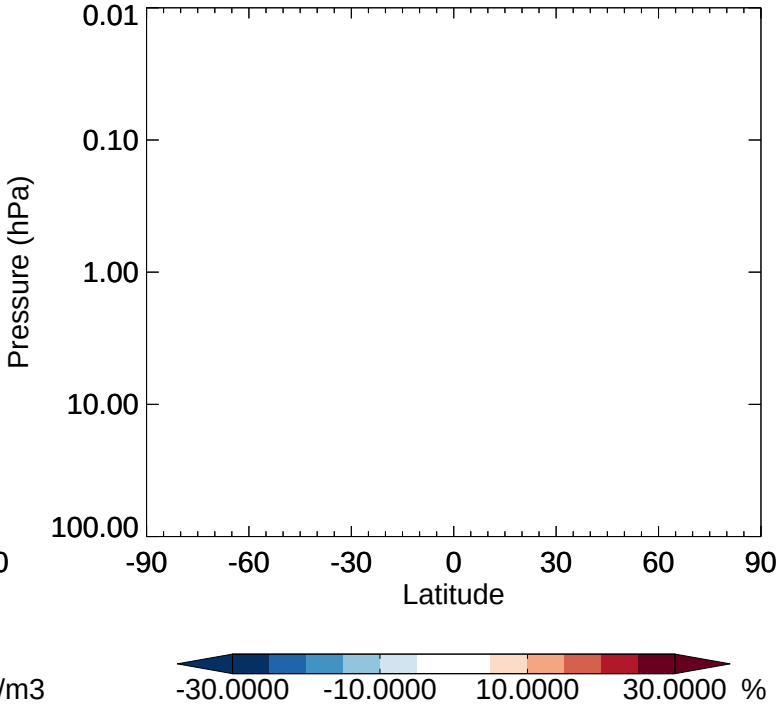
v11-02d - v11-02a

SALC - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

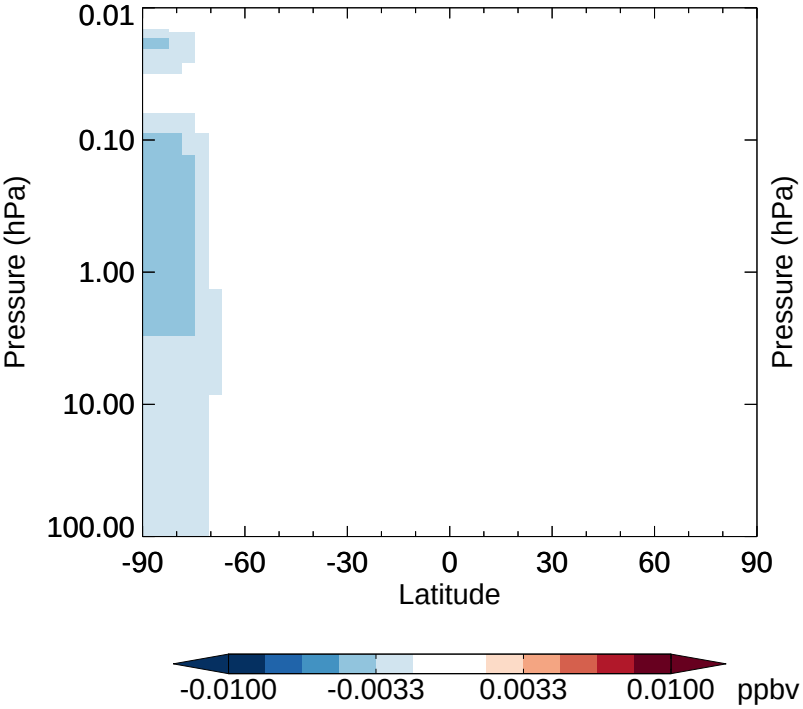
SALC - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

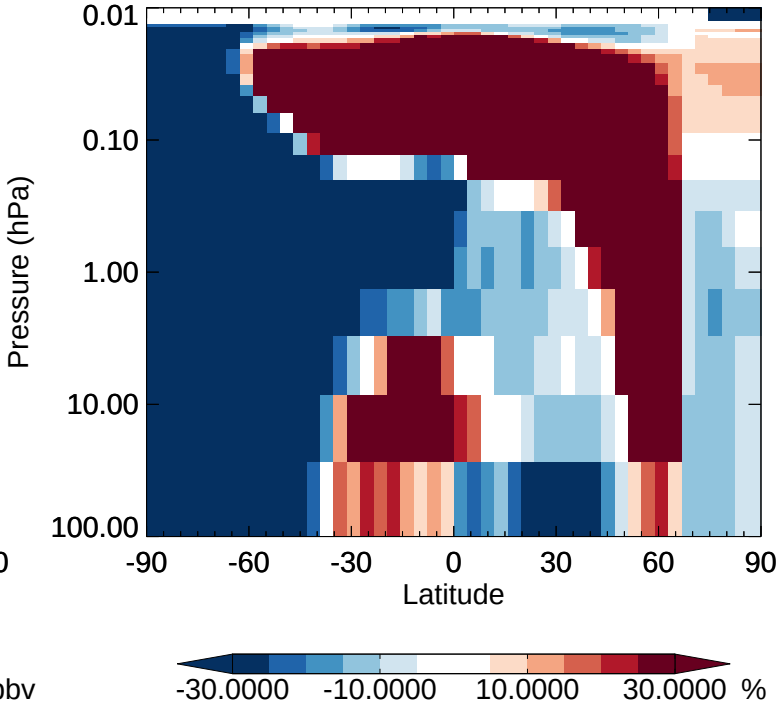
v11-02d - v11-02c

Br2 - Strat zonal mean abs diff for Jul



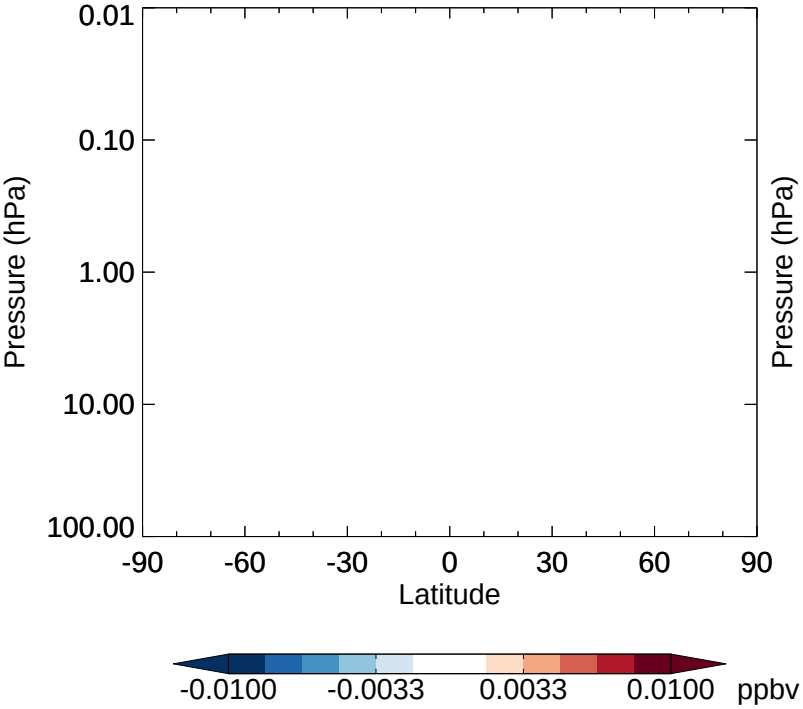
v11-02d / v11-02c

Br2 - Strat zonal mean % diff for Jul



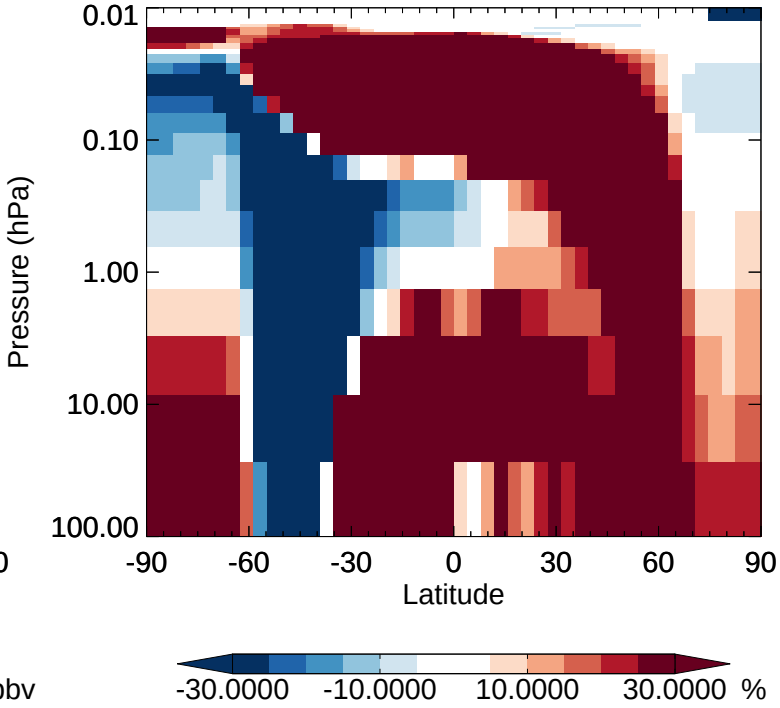
v11-02d - v11-02a

Br2 - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

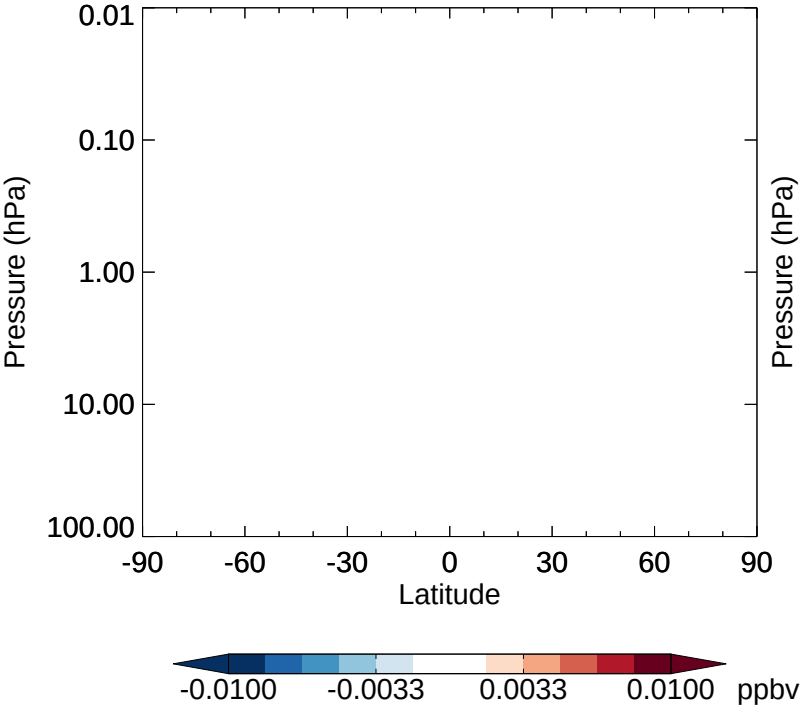
Br2 - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

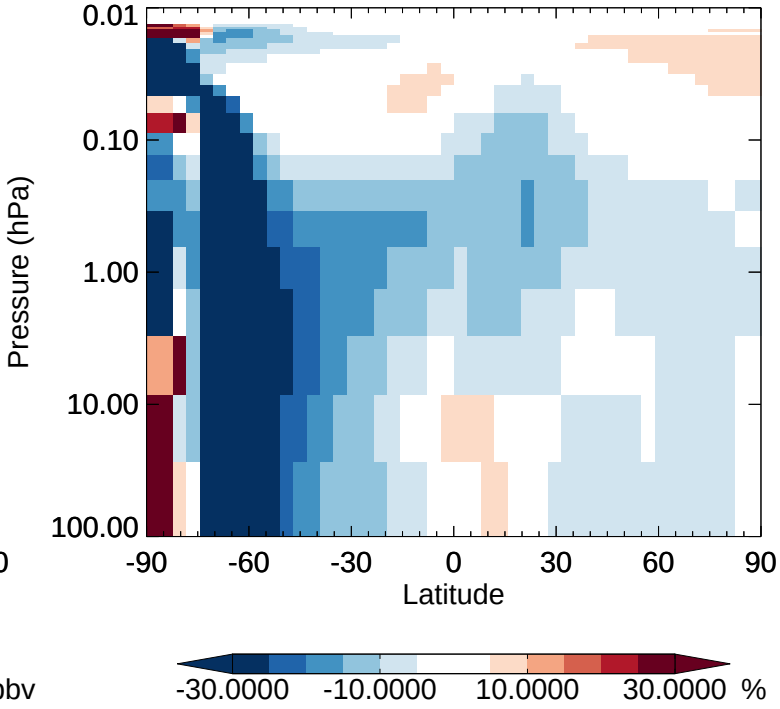
v11-02d - v11-02c

Br - Strat zonal mean abs diff for Jul



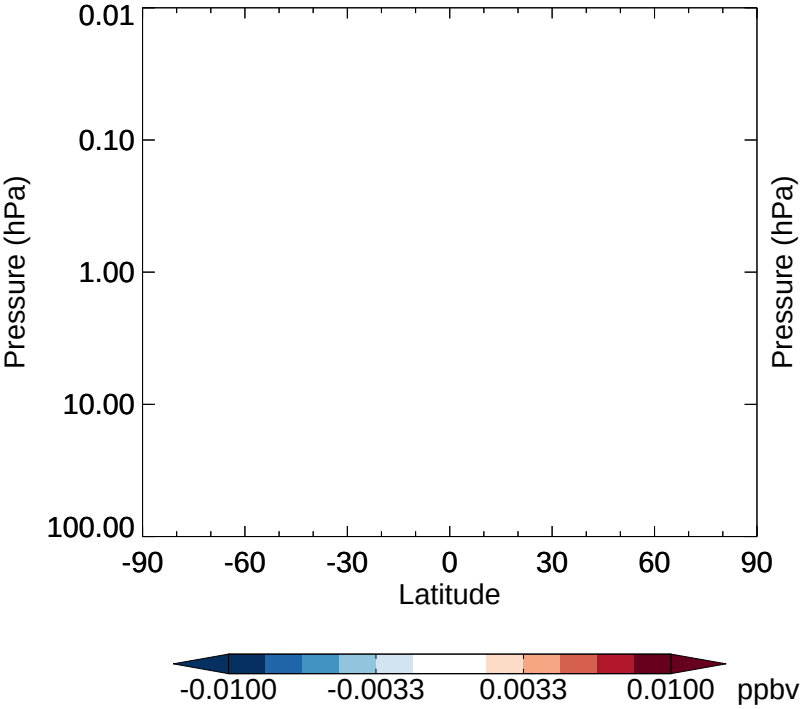
v11-02d / v11-02c

Br - Strat zonal mean % diff for Jul



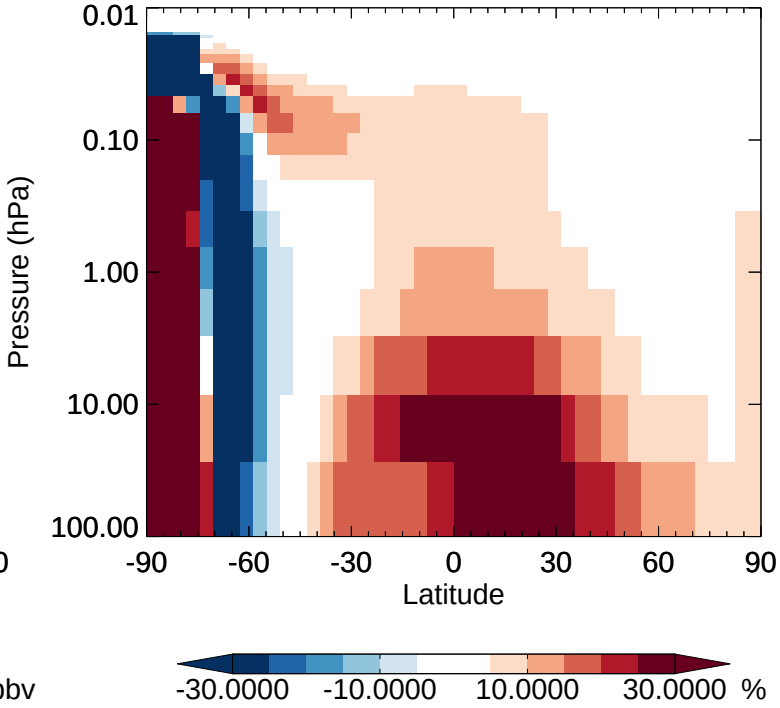
v11-02d - v11-02a

Br - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

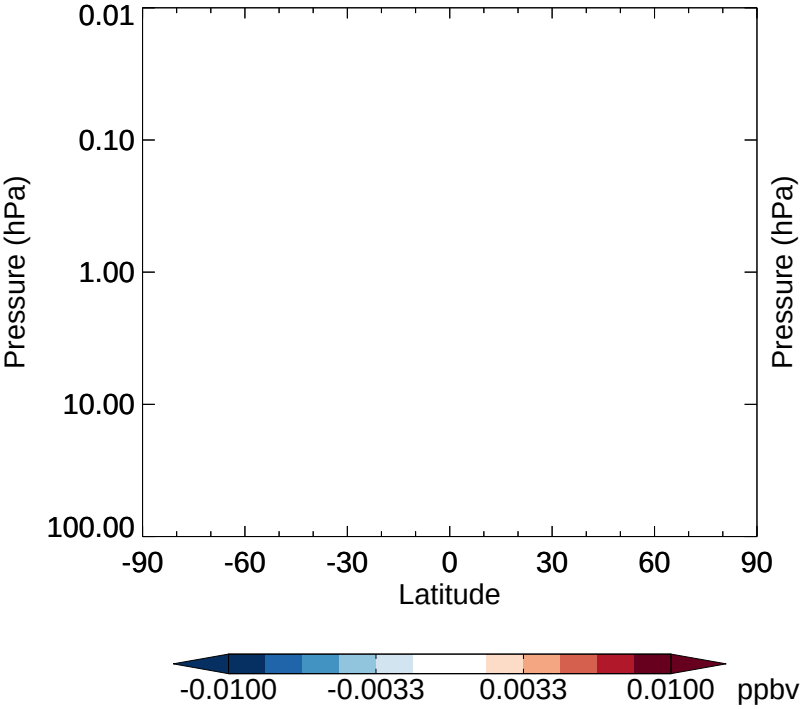
Br - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

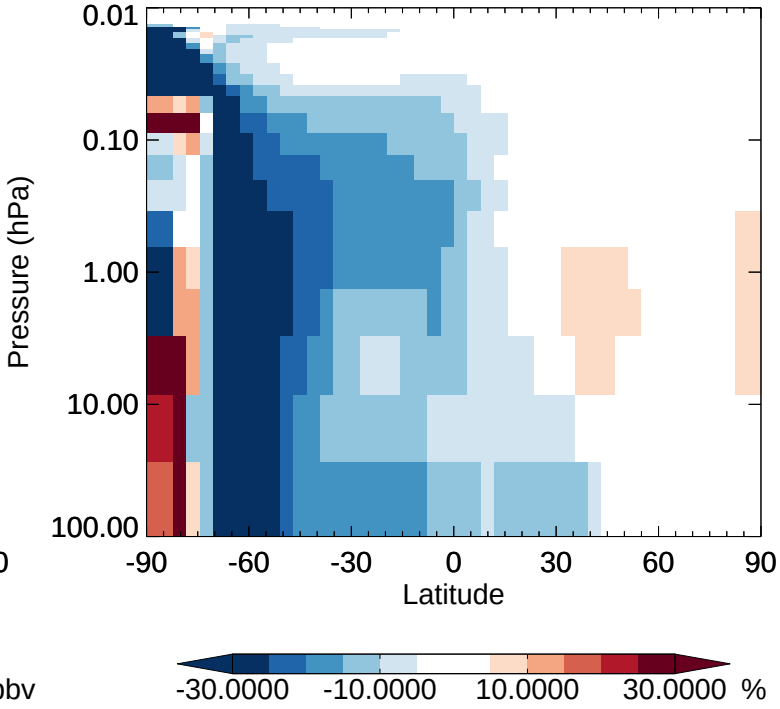
v11-02d - v11-02c

BrO - Strat zonal mean abs diff for Jul



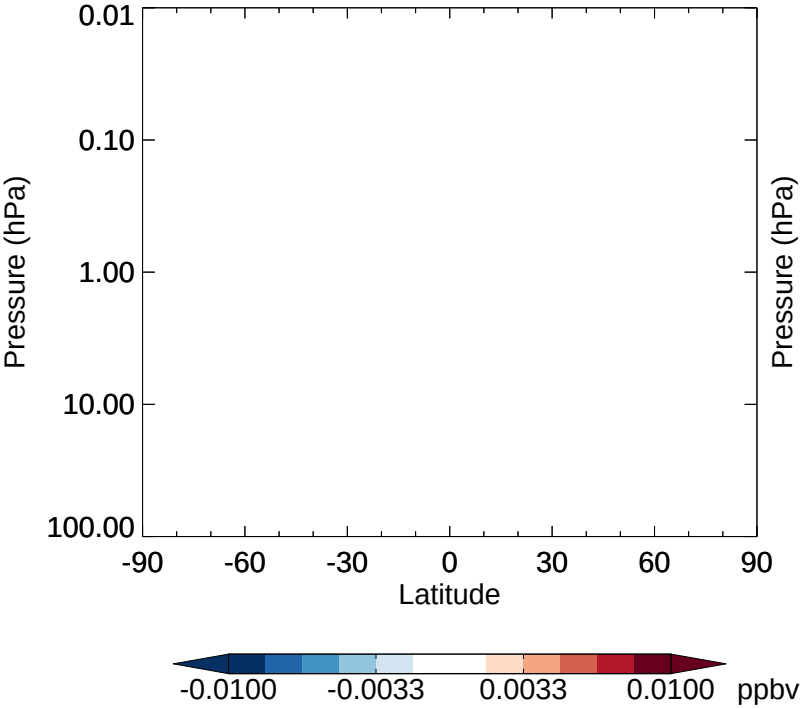
v11-02d / v11-02c

BrO - Strat zonal mean % diff for Jul



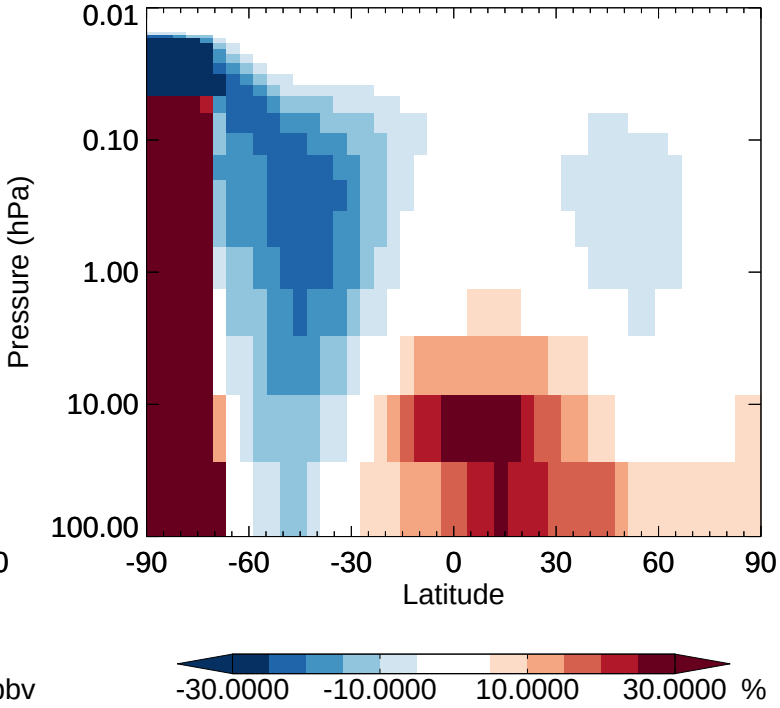
v11-02d - v11-02a

BrO - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

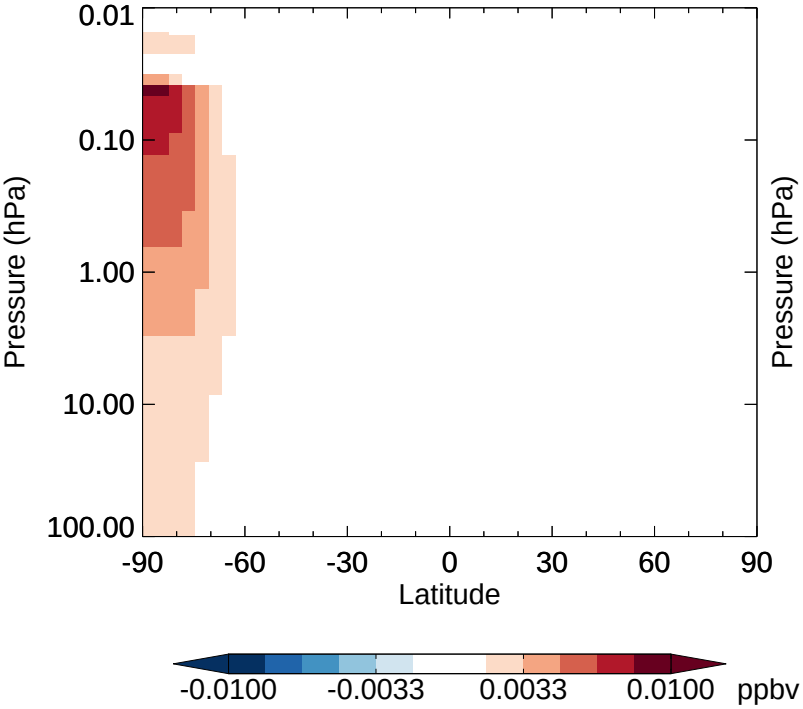
BrO - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

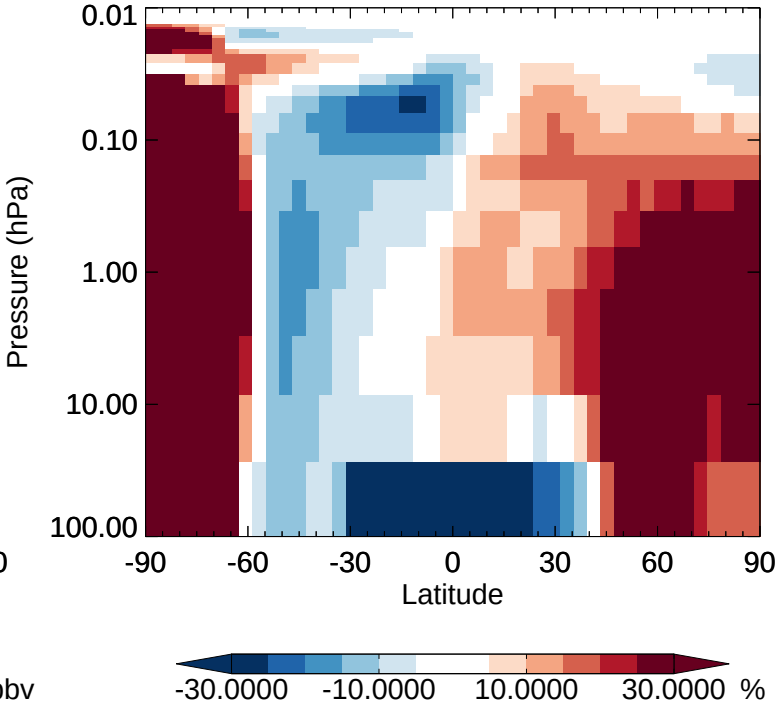
v11-02d - v11-02c

HOBr - Strat zonal mean abs diff for Jul



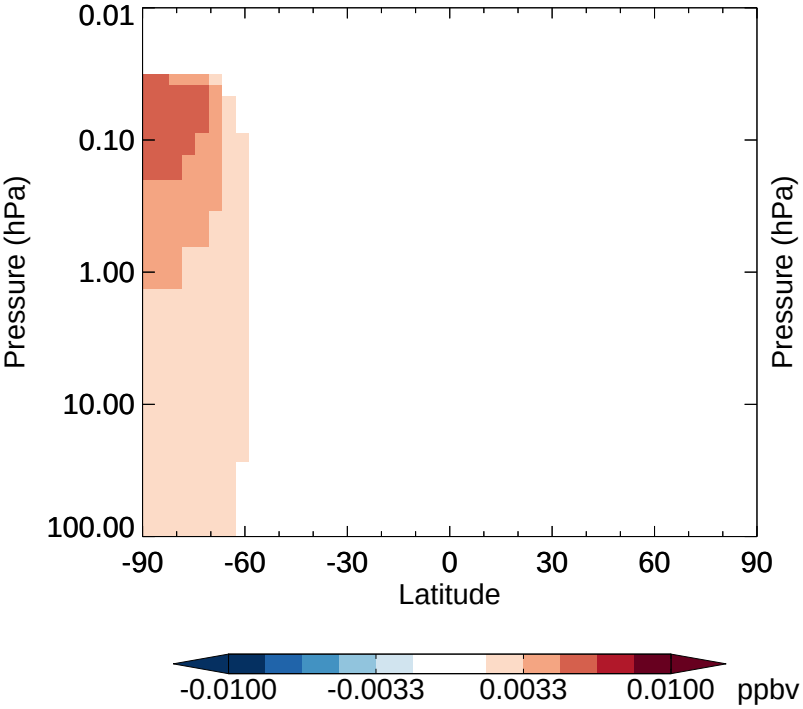
v11-02d / v11-02c

HOBr - Strat zonal mean % diff for Jul



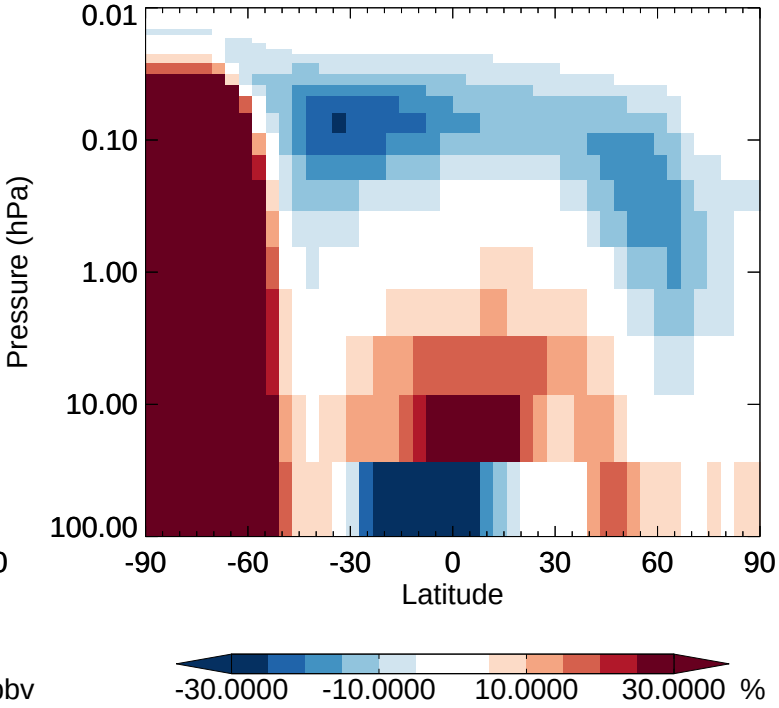
v11-02d - v11-02a

HOBr - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

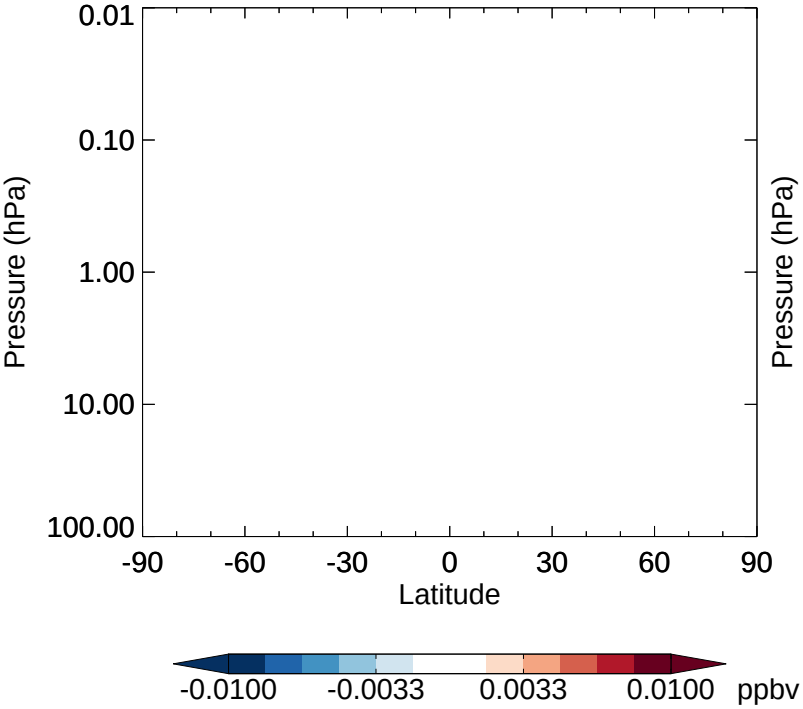
HOBr - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

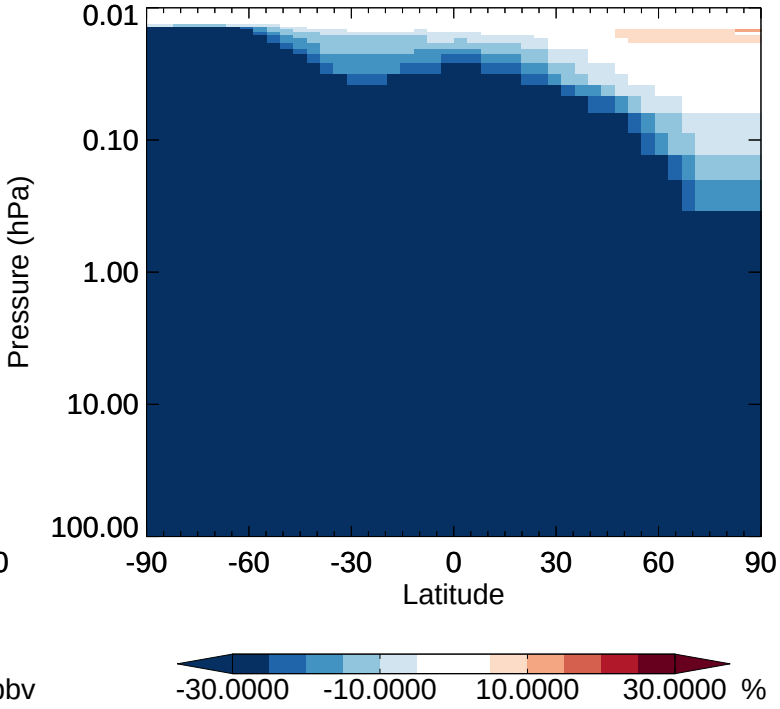
v11-02d - v11-02c

HBr - Strat zonal mean abs diff for Jul



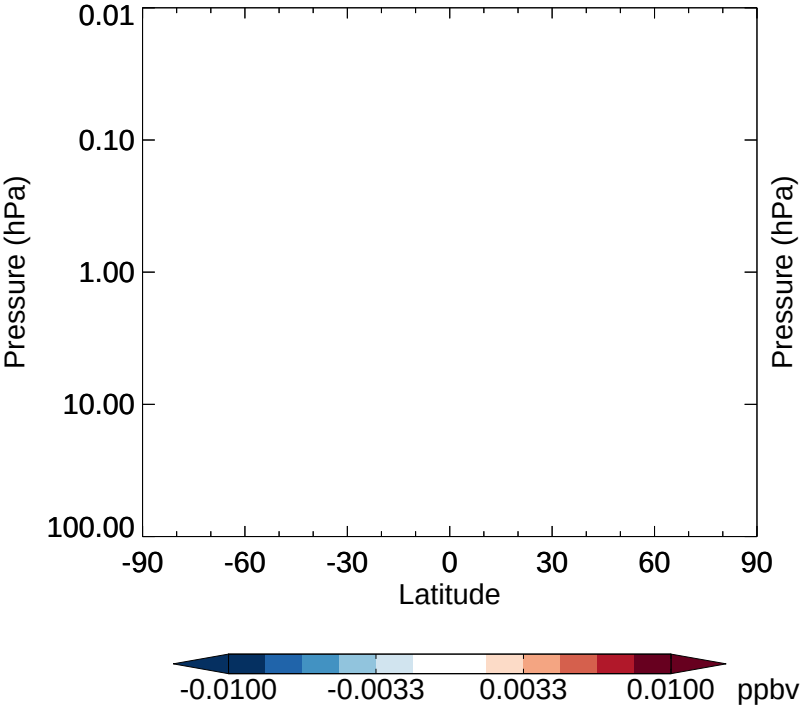
v11-02d / v11-02c

HBr - Strat zonal mean % diff for Jul



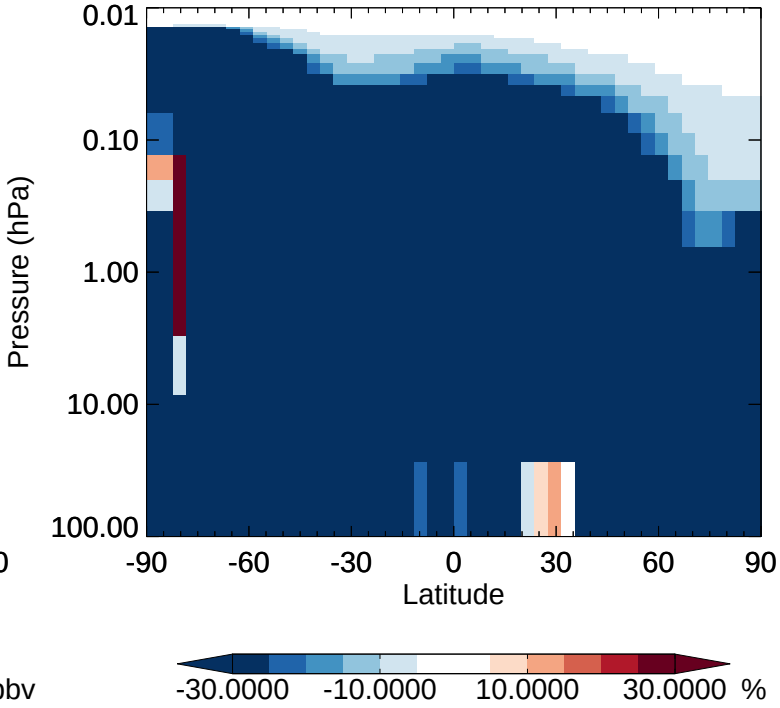
v11-02d - v11-02a

HBr - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

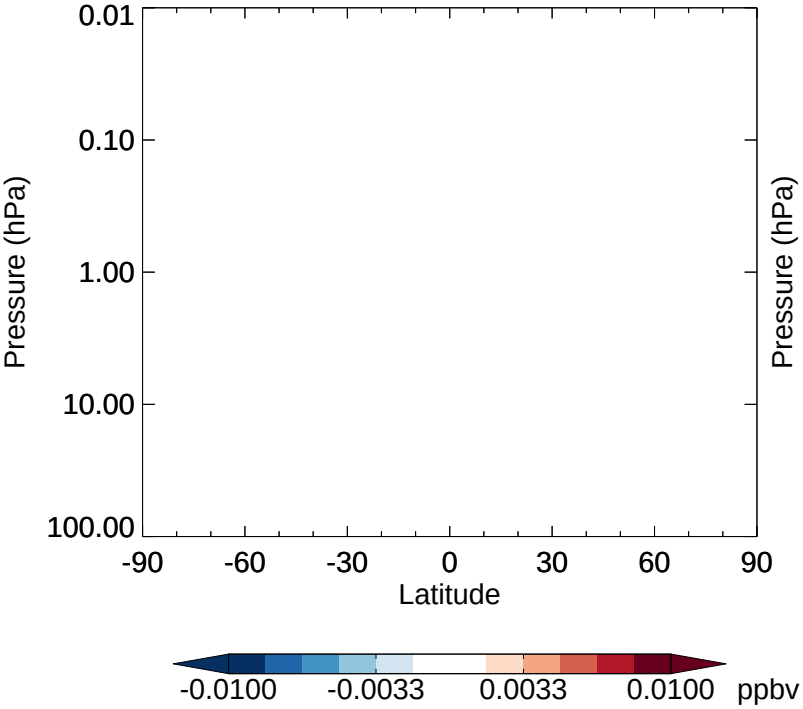
HBr - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

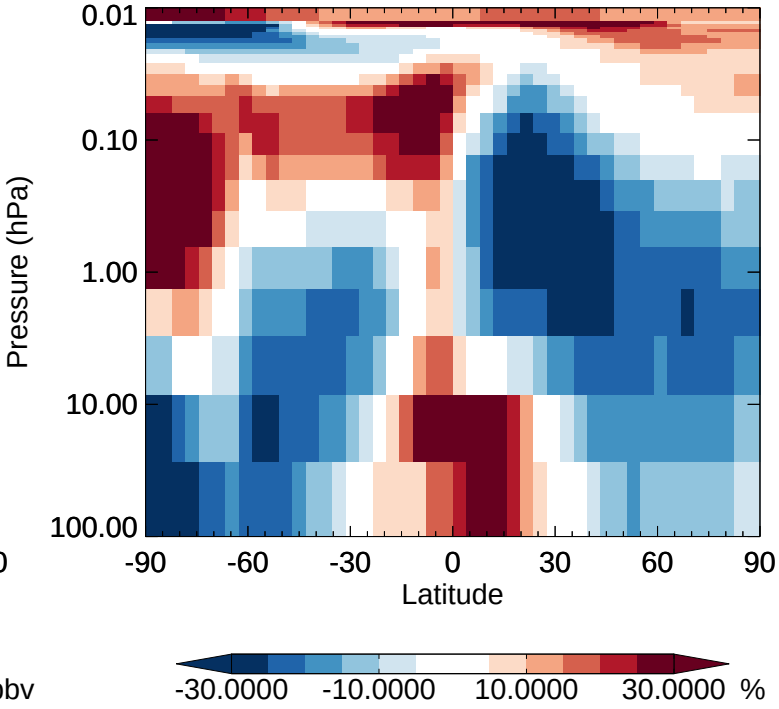
v11-02d - v11-02c

BrNO2 - Strat zonal mean abs diff for Jul



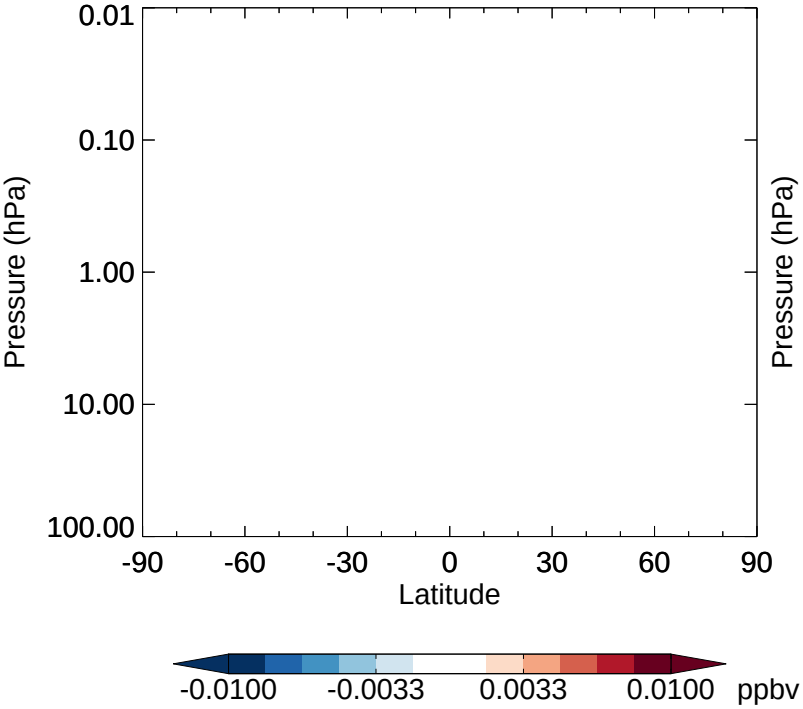
v11-02d / v11-02c

BrNO2 - Strat zonal mean % diff for Jul



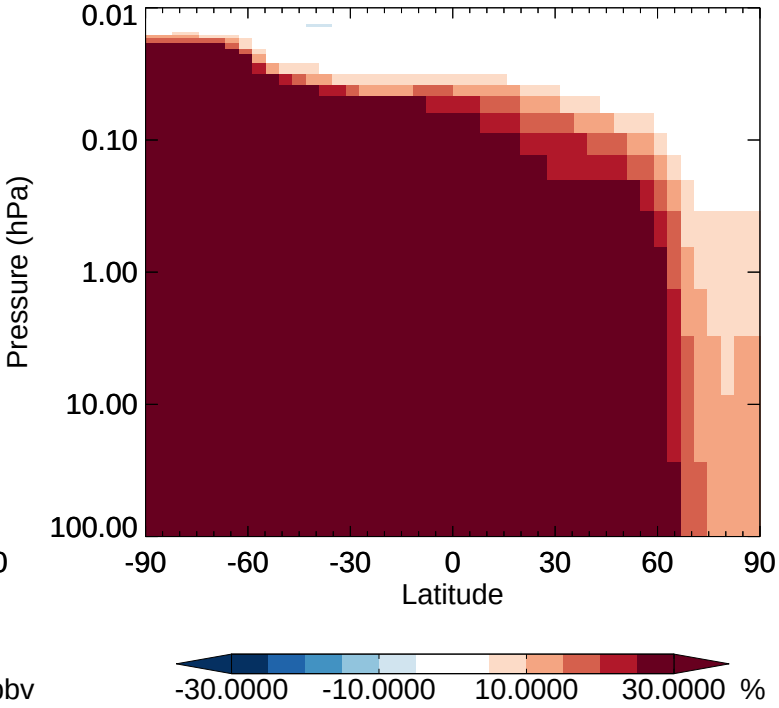
v11-02d - v11-02a

BrNO2 - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

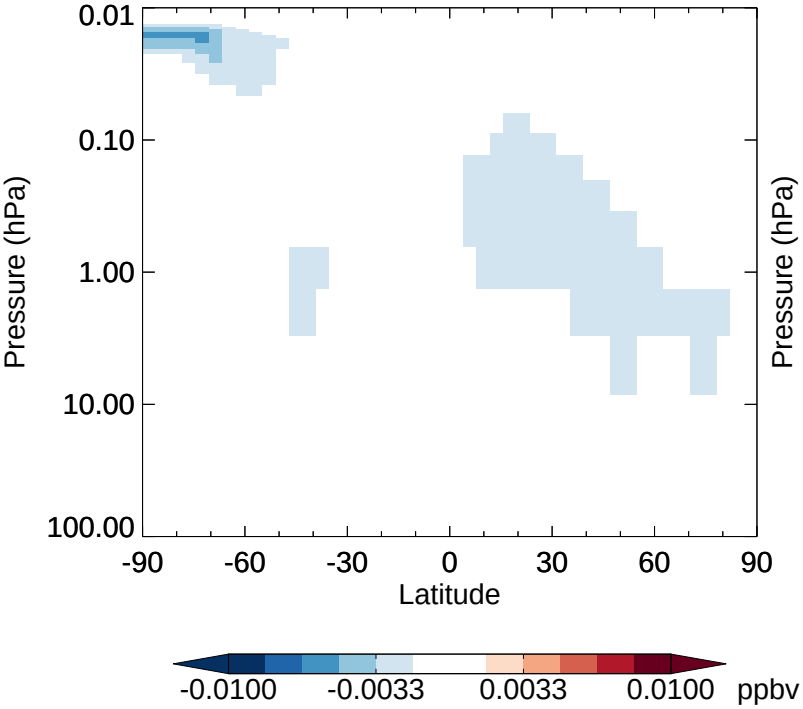
BrNO2 - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

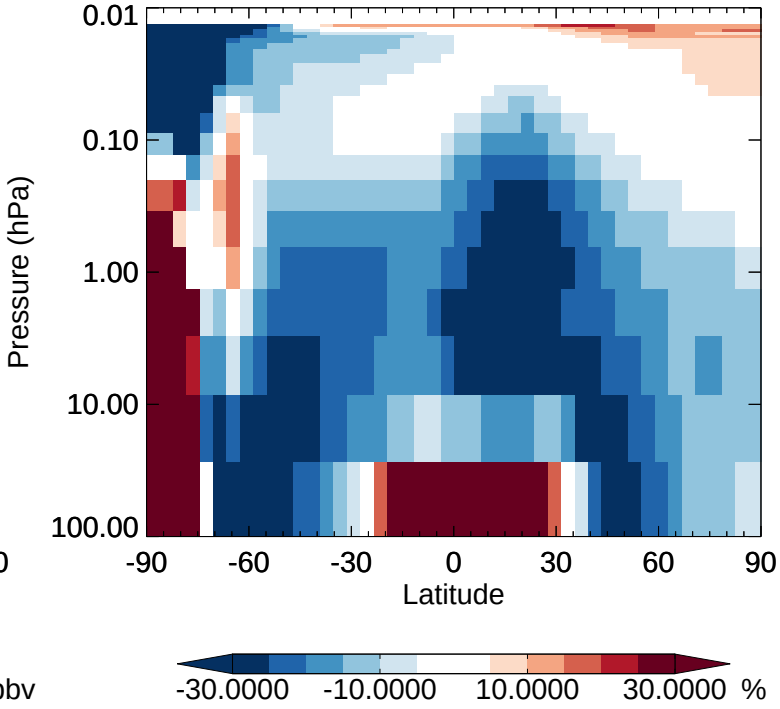
v11-02d - v11-02c

BrNO3 - Strat zonal mean abs diff for Jul



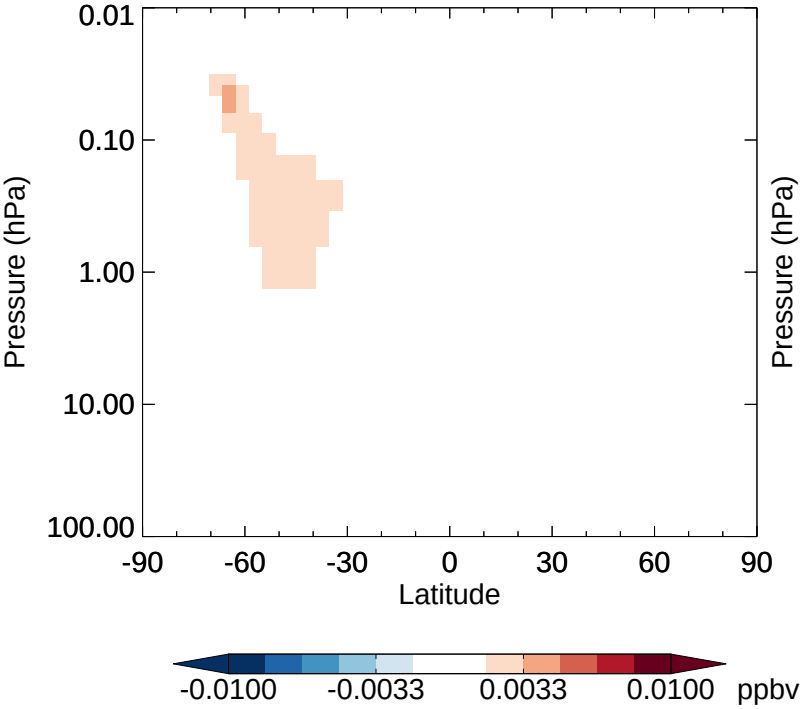
v11-02d / v11-02c

BrNO3 - Strat zonal mean % diff for Jul



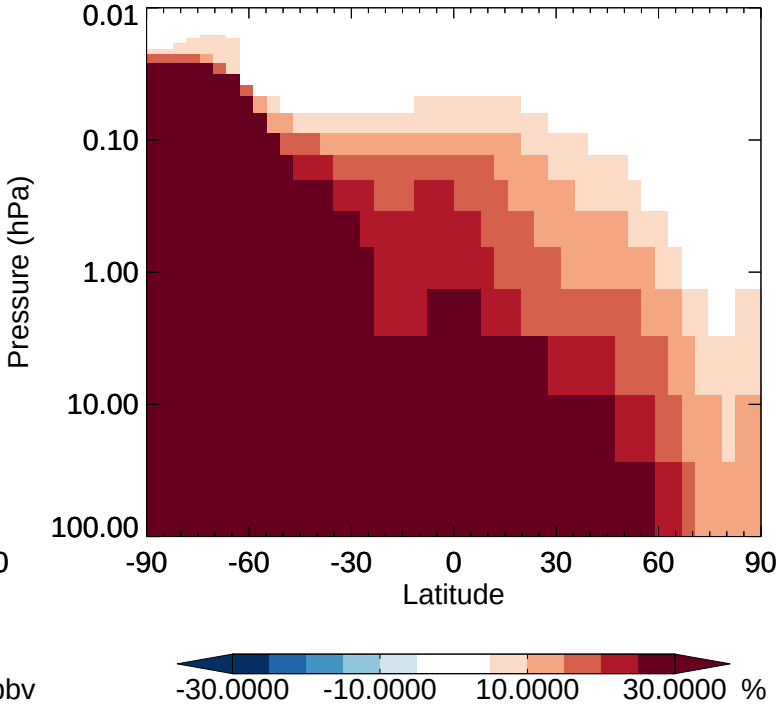
v11-02d - v11-02a

BrNO3 - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

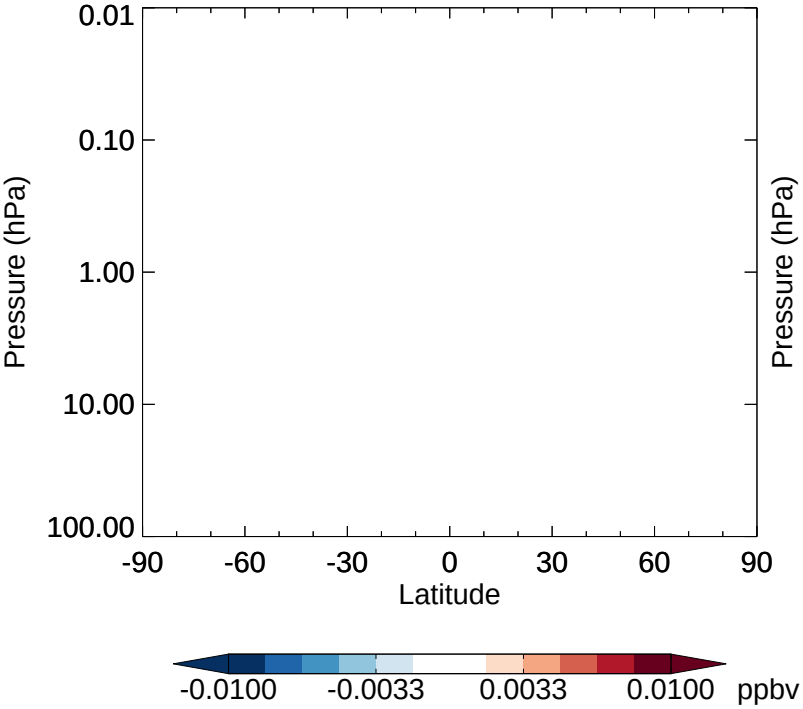
BrNO3 - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

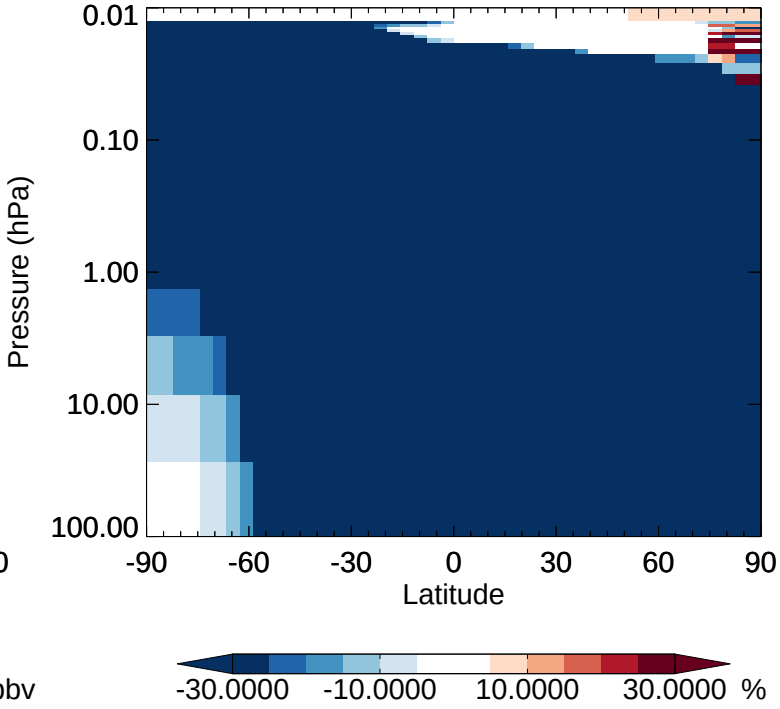
v11-02d - v11-02c

CHBr3 - Strat zonal mean abs diff for Jul



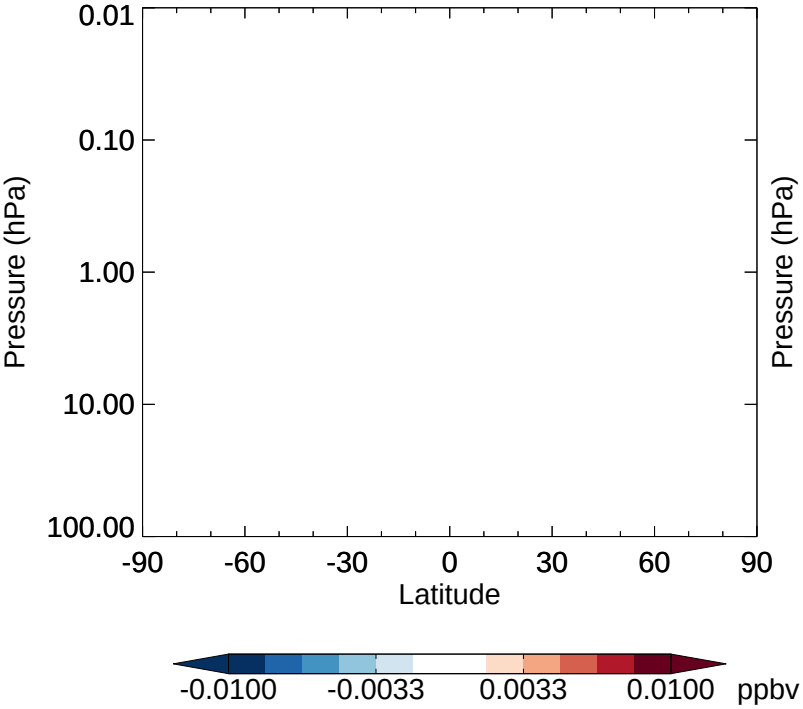
v11-02d / v11-02c

CHBr3 - Strat zonal mean % diff for Jul



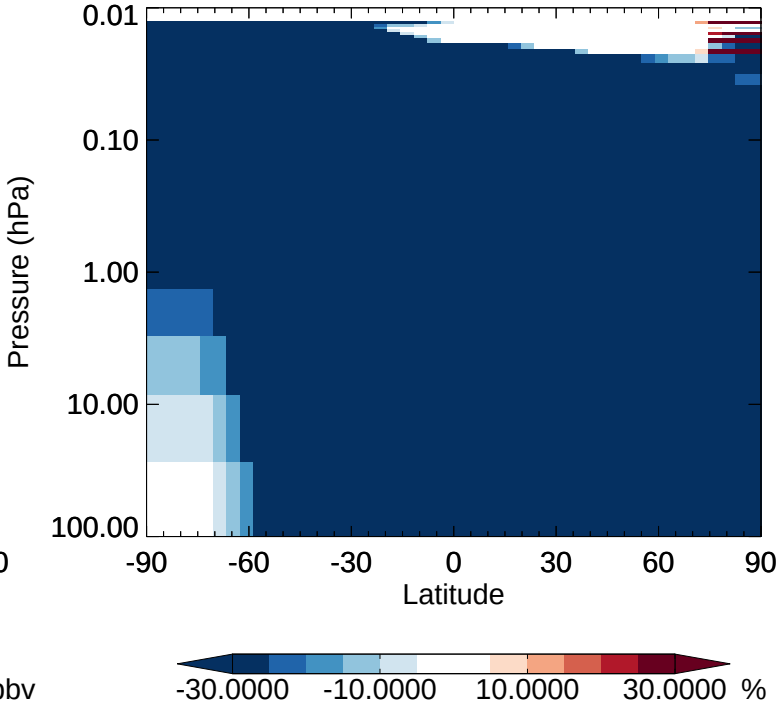
v11-02d - v11-02a

CHBr3 - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

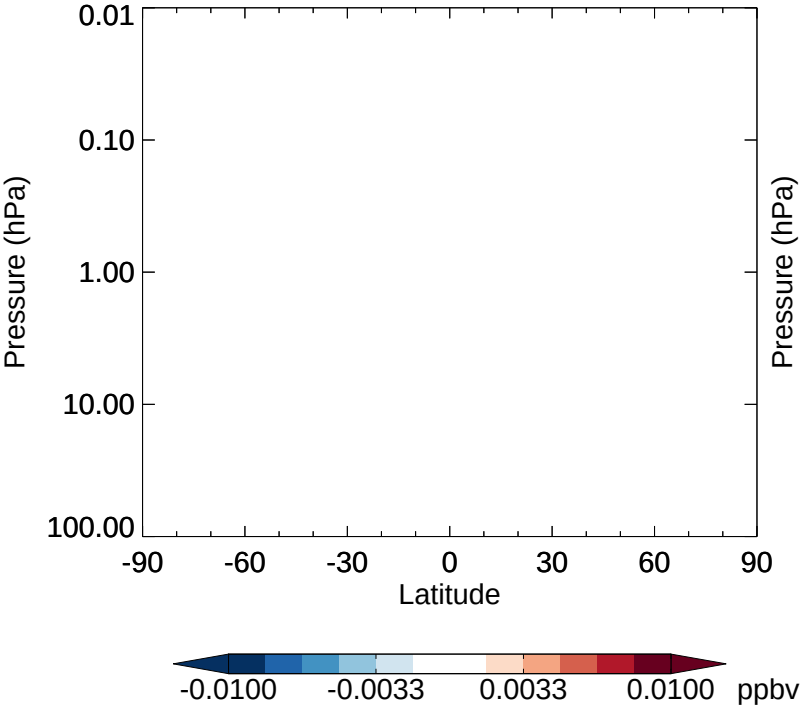
CHBr3 - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

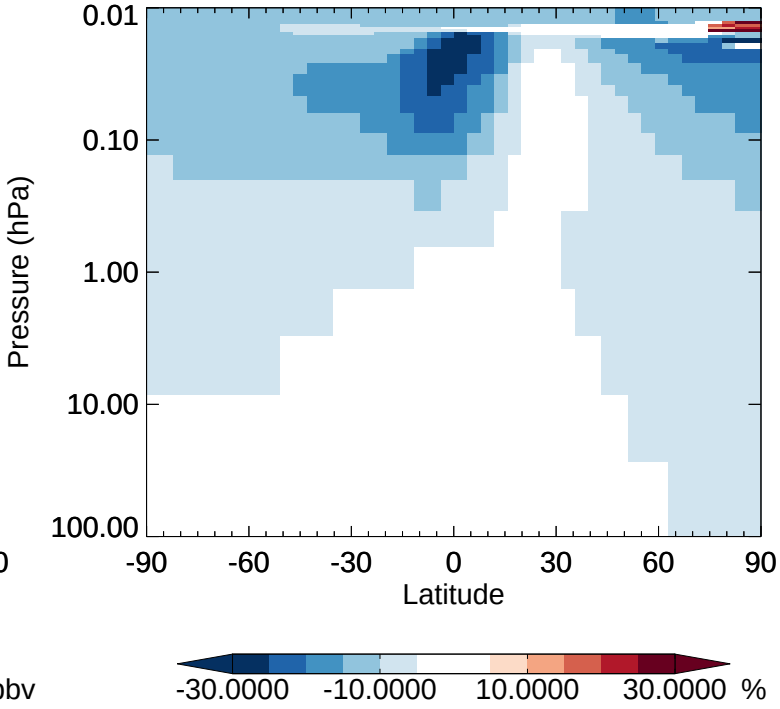
v11-02d - v11-02c

CH2Br2 - Strat zonal mean abs diff for Jul



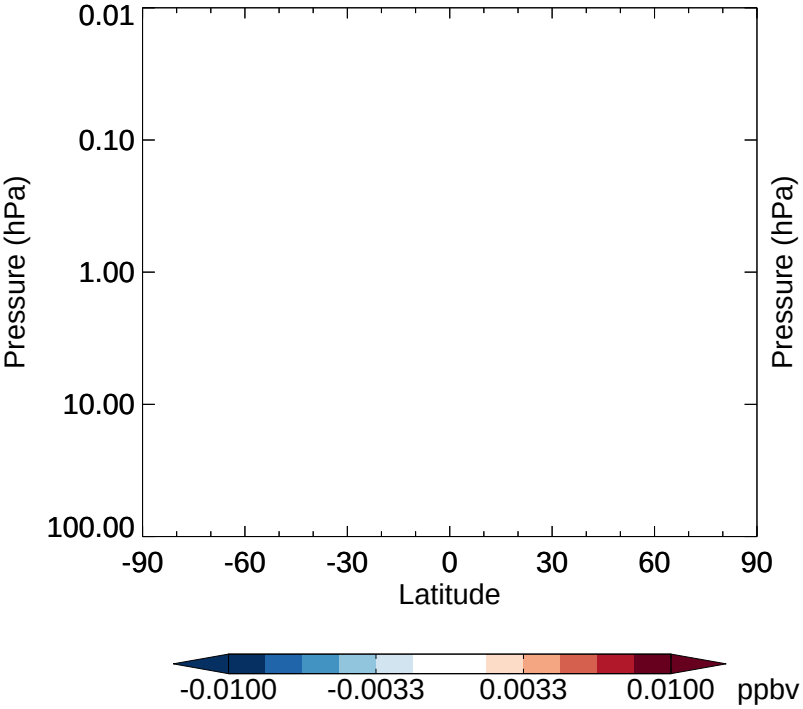
v11-02d / v11-02c

CH2Br2 - Strat zonal mean % diff for Jul



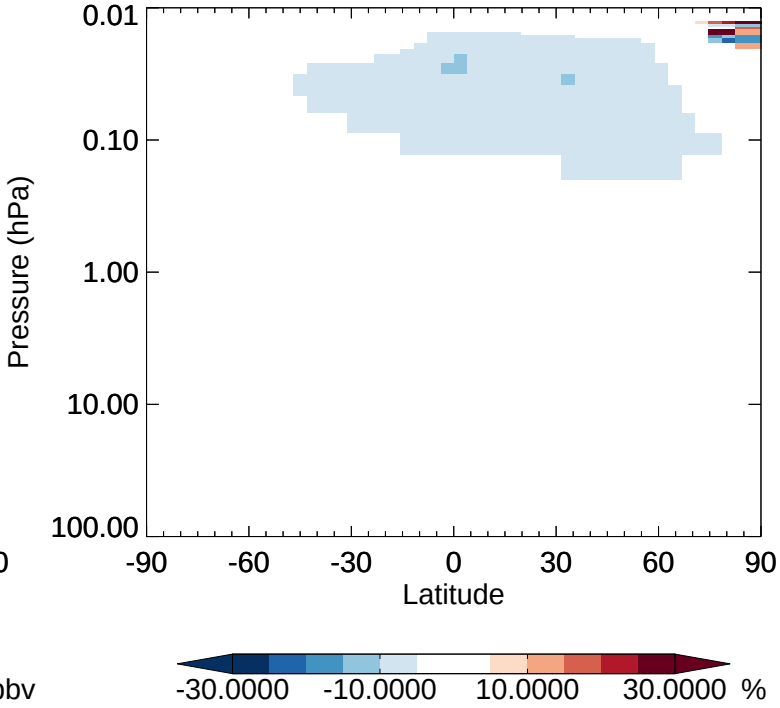
v11-02d - v11-02a

CH2Br2 - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

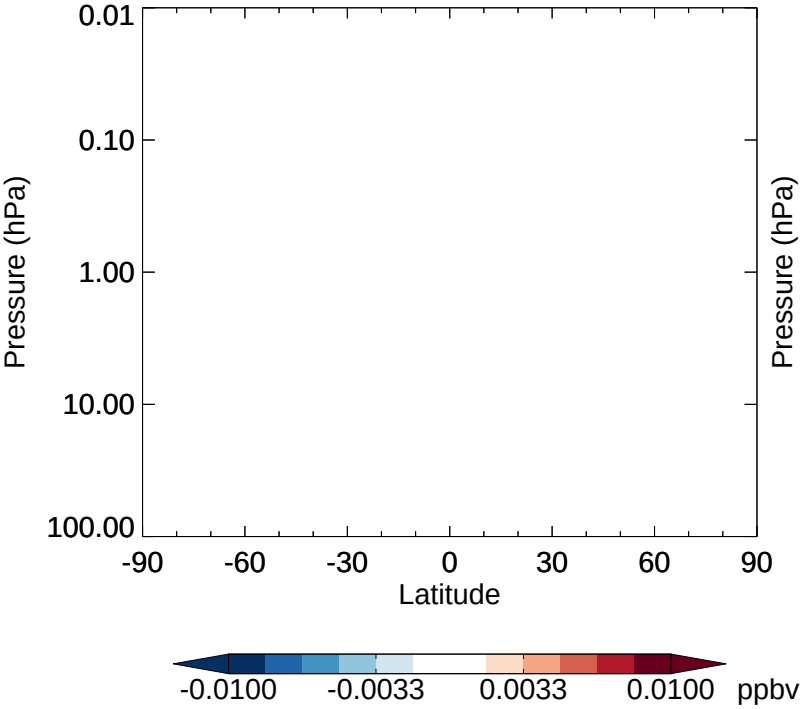
CH2Br2 - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

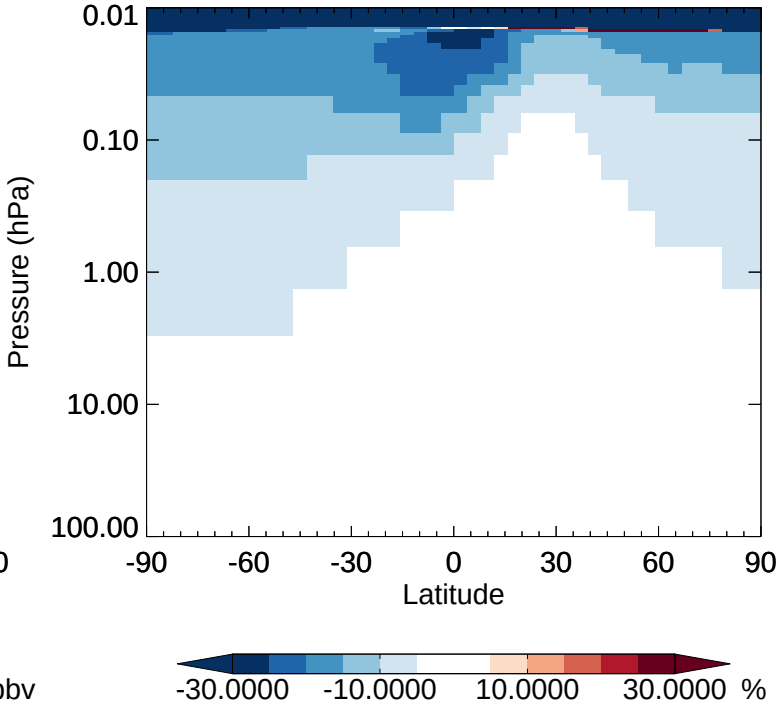
v11-02d - v11-02c

CH3Br - Strat zonal mean abs diff for Jul



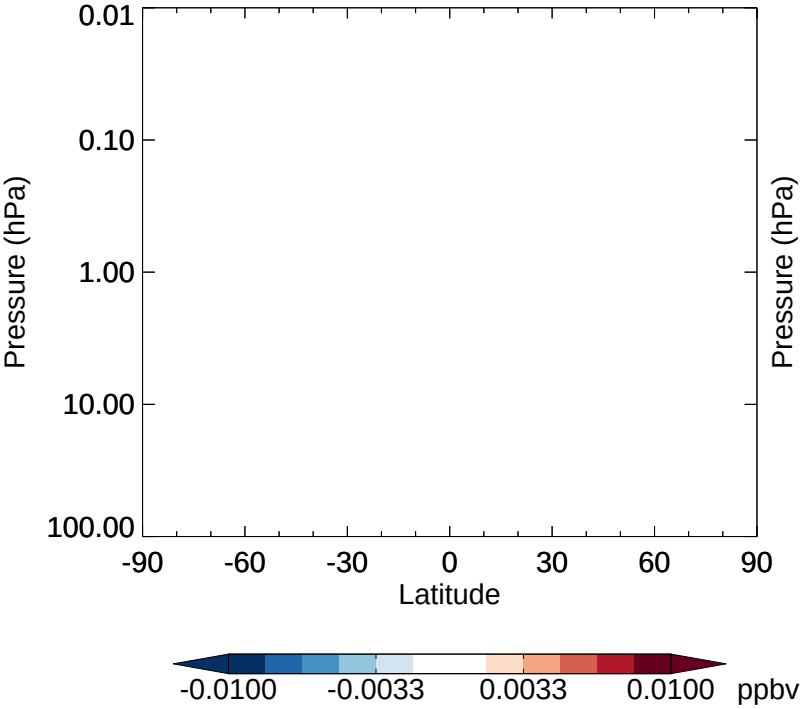
v11-02d / v11-02c

CH3Br - Strat zonal mean % diff for Jul



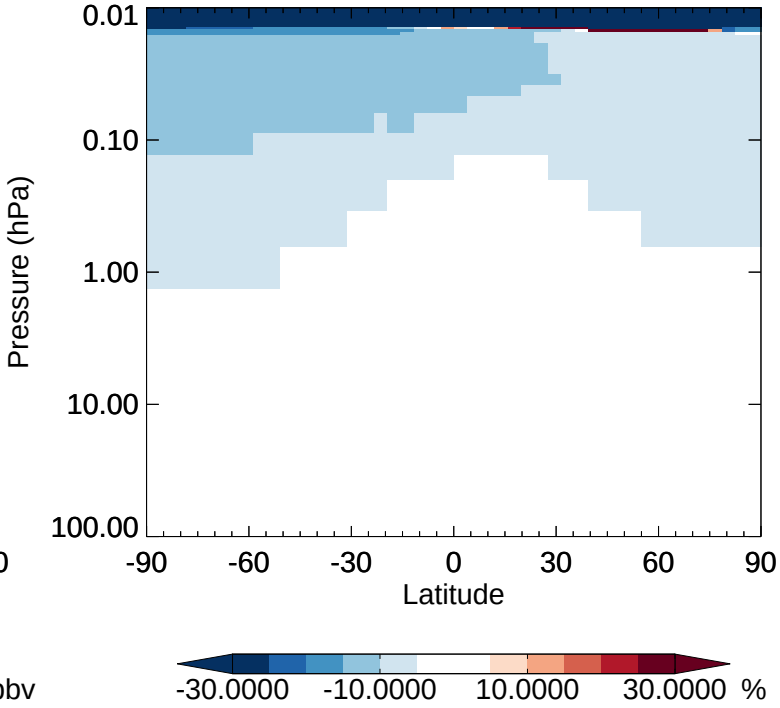
v11-02d - v11-02a

CH3Br - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

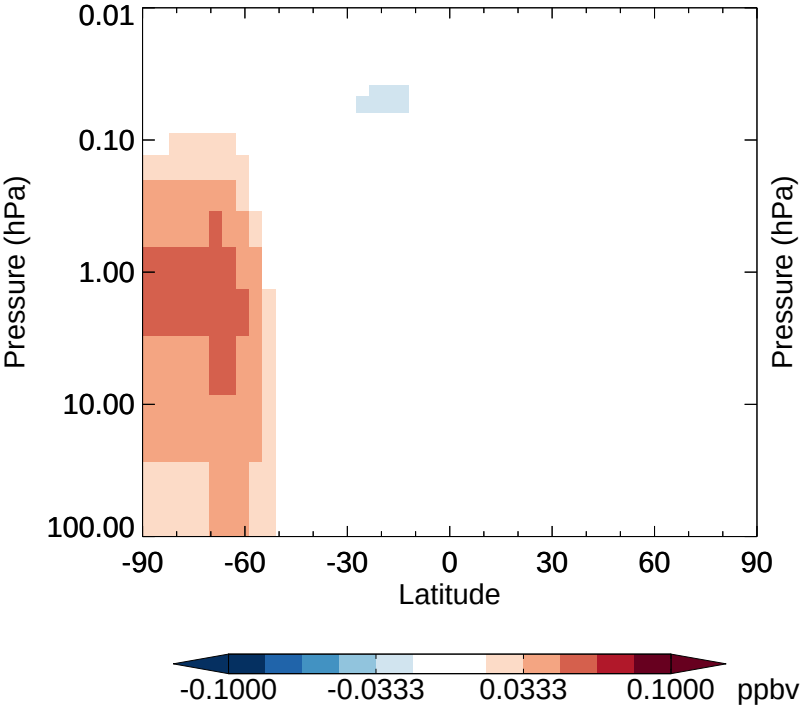
CH3Br - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

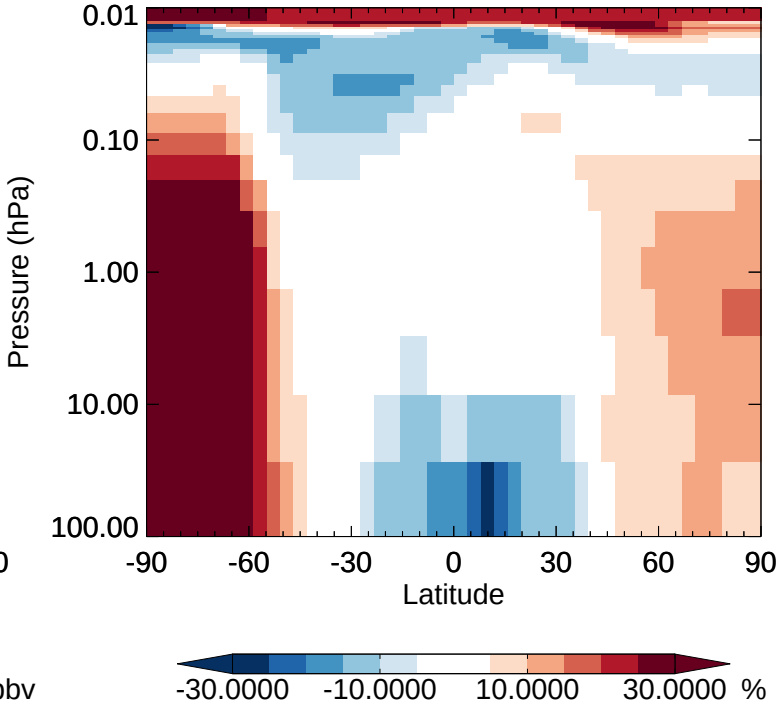
v11-02d - v11-02c

MPN - Strat zonal mean abs diff for Jul



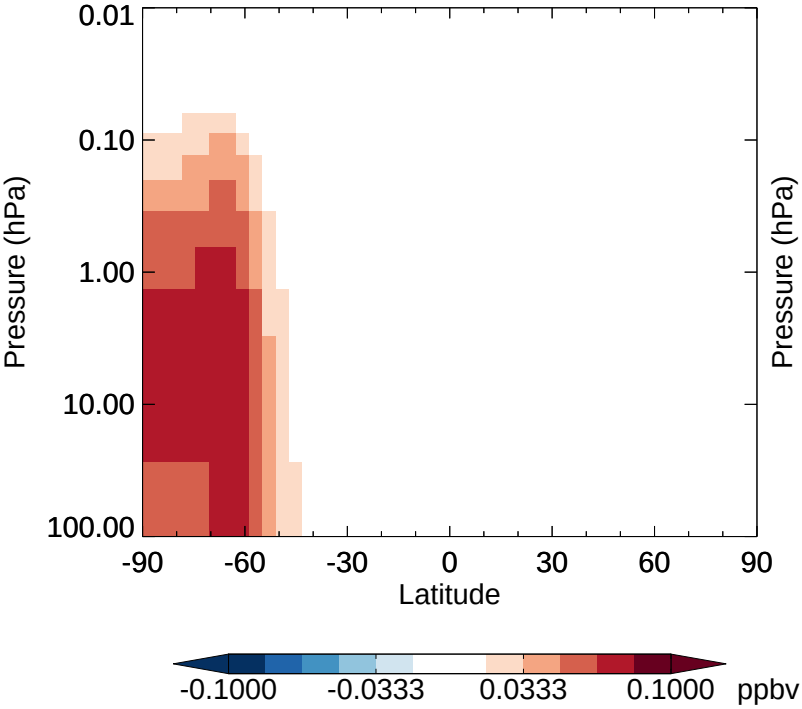
v11-02d / v11-02c

MPN - Strat zonal mean % diff for Jul



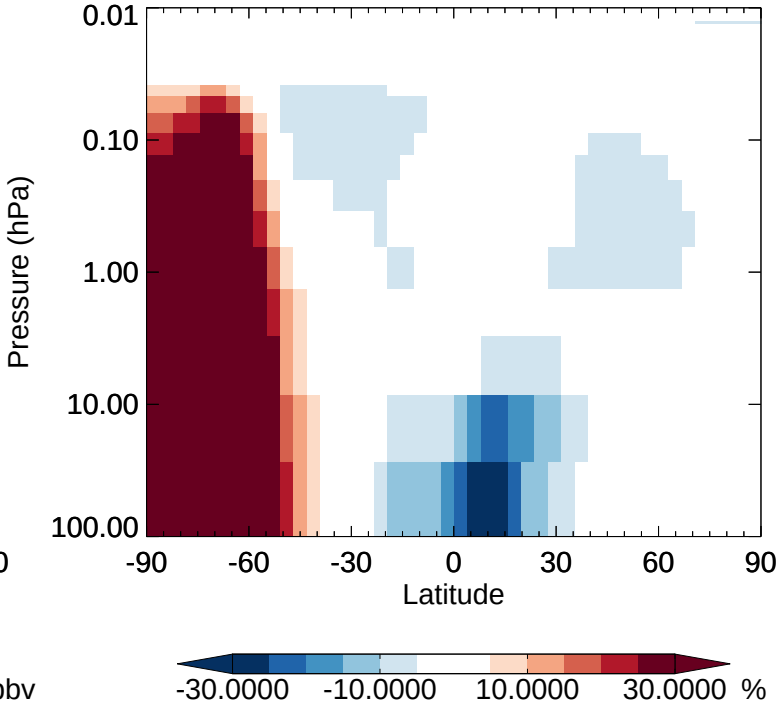
v11-02d - v11-02a

MPN - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

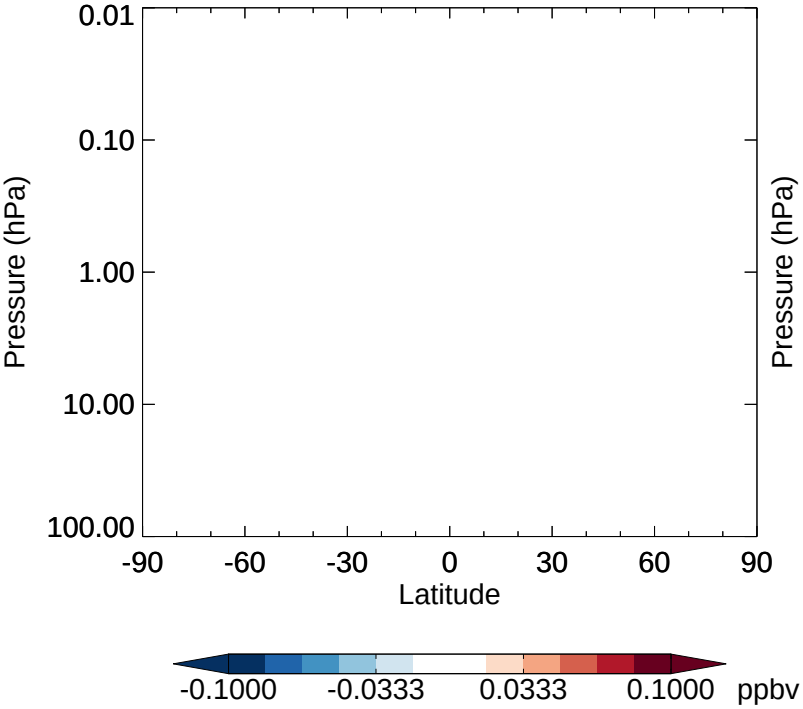
MPN - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

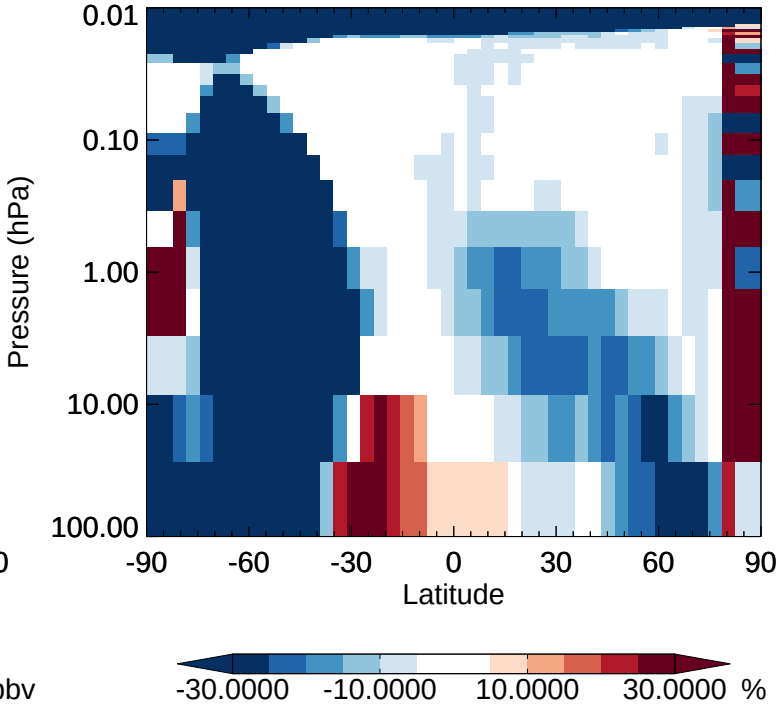
v11-02d - v11-02c

ISOPND - Strat zonal mean abs diff for Jul



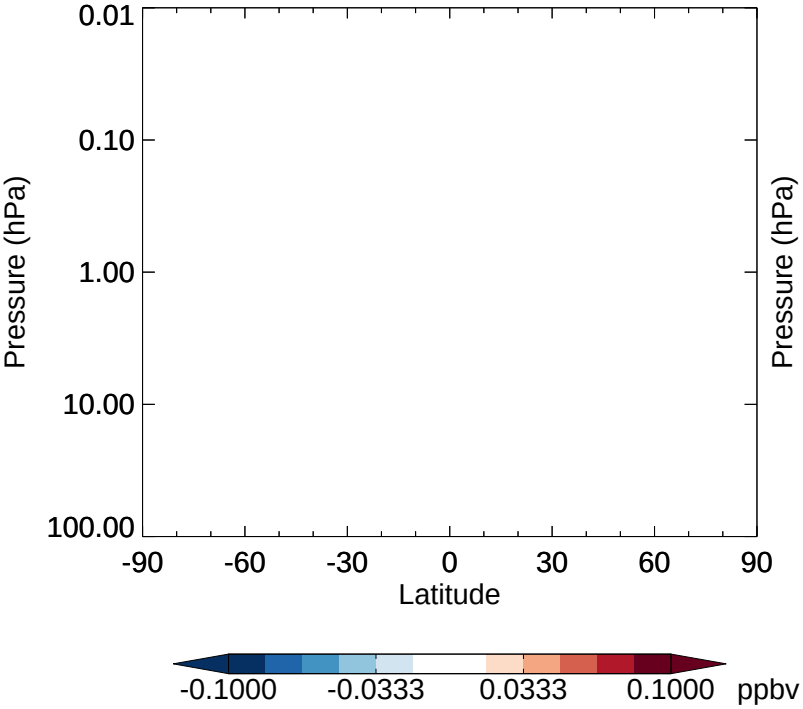
v11-02d / v11-02c

ISOPND - Strat zonal mean % diff for Jul



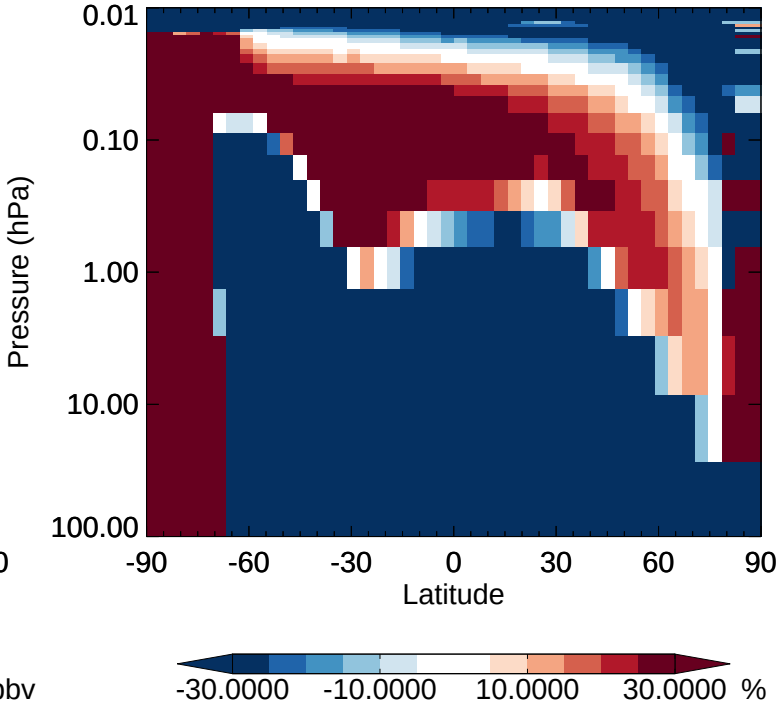
v11-02d - v11-02a

ISOPND - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

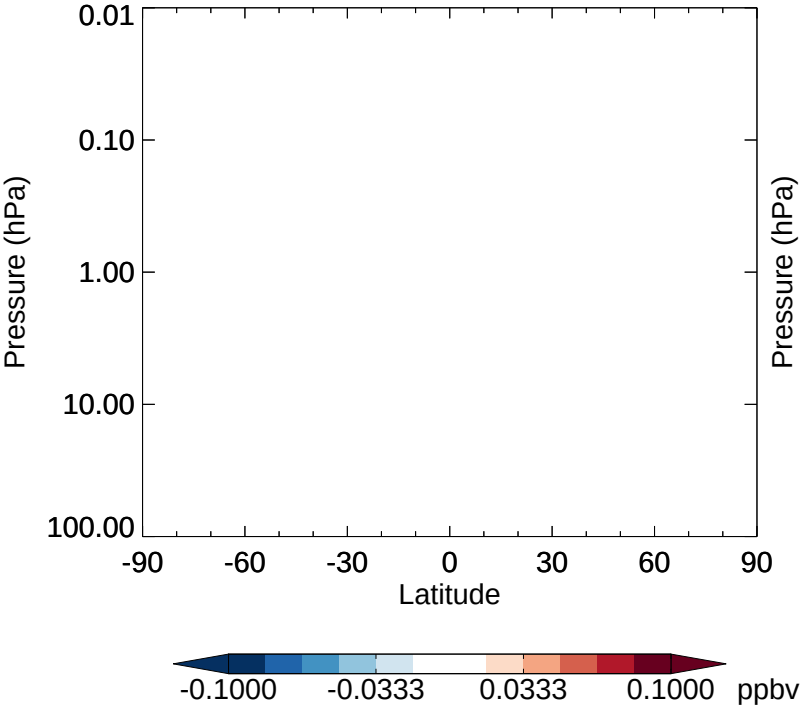
ISOPND - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

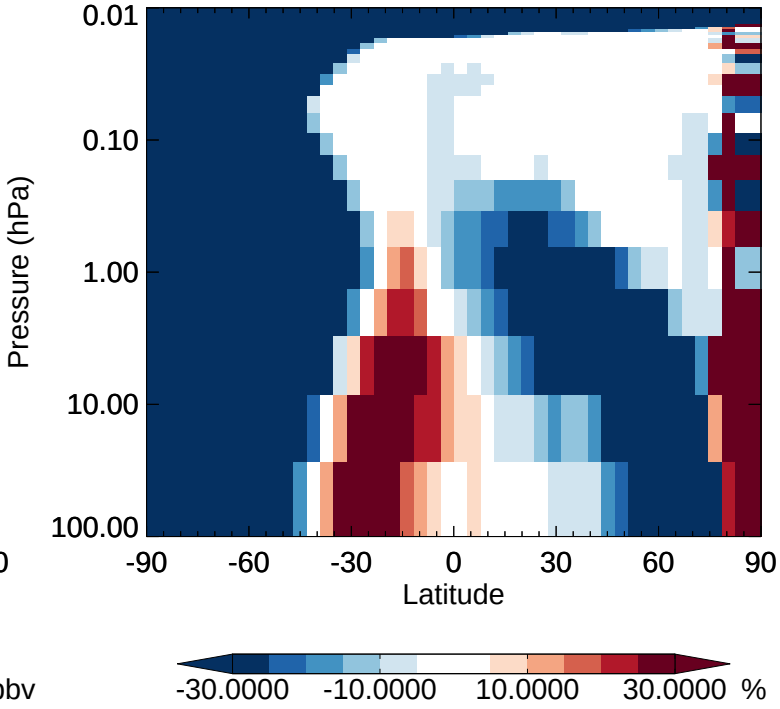
v11-02d - v11-02c

ISOPNB - Strat zonal mean abs diff for Jul



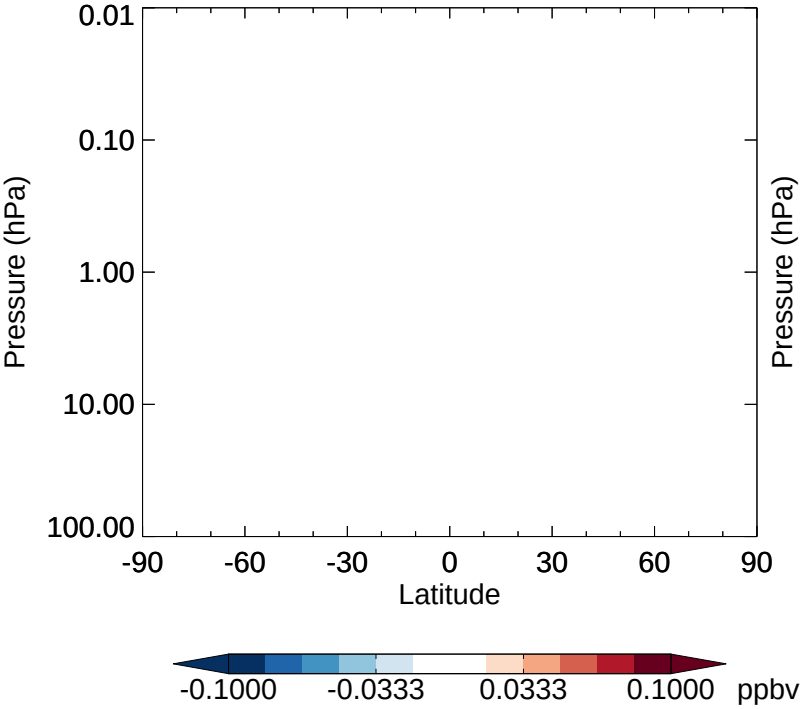
v11-02d / v11-02c

ISOPNB - Strat zonal mean % diff for Jul



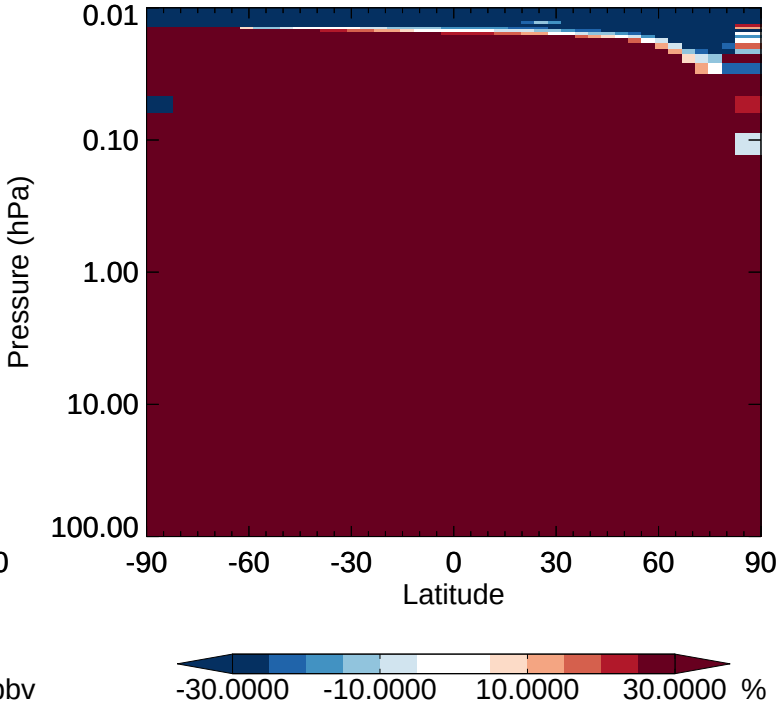
v11-02d - v11-02a

ISOPNB - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

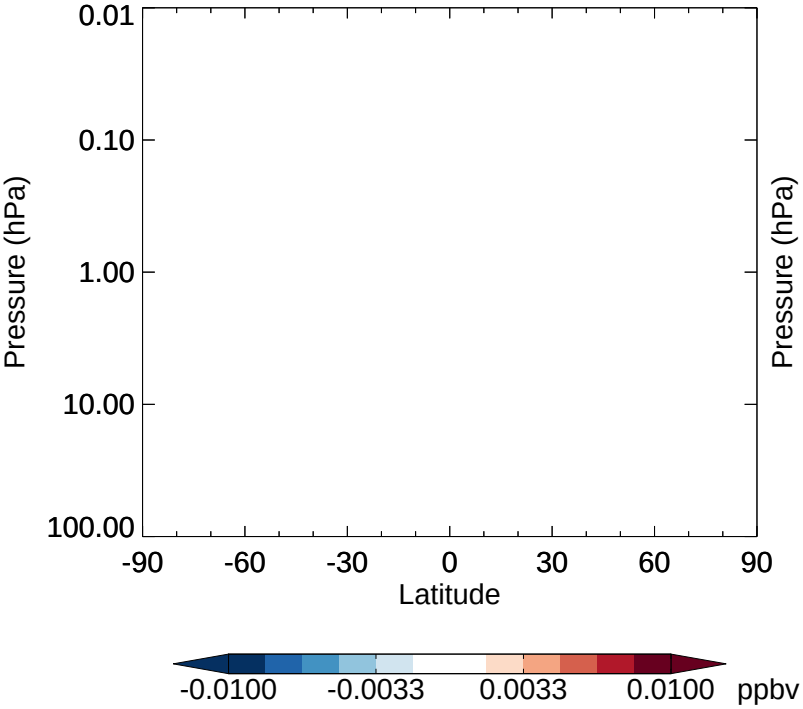
ISOPNB - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

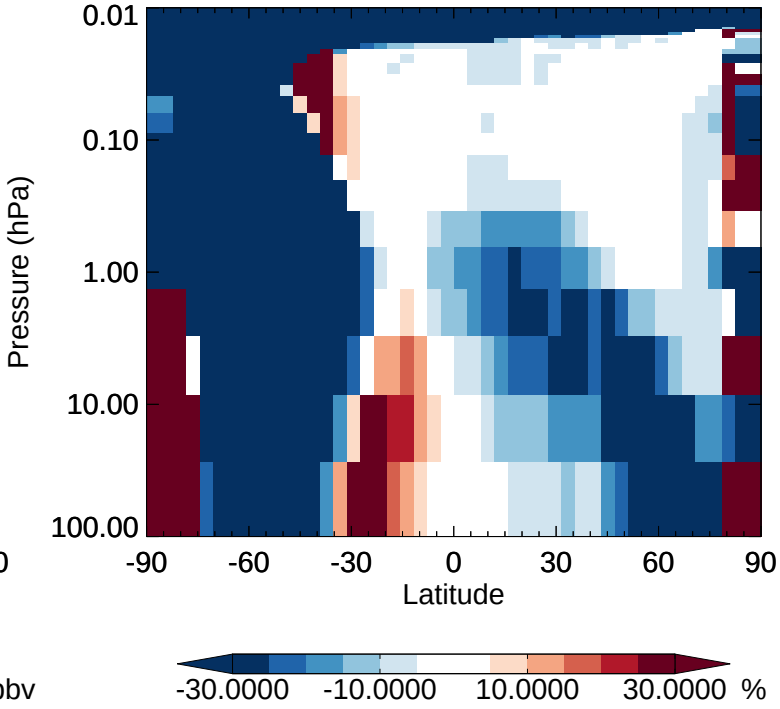
v11-02d - v11-02c

MOBA - Strat zonal mean abs diff for Jul



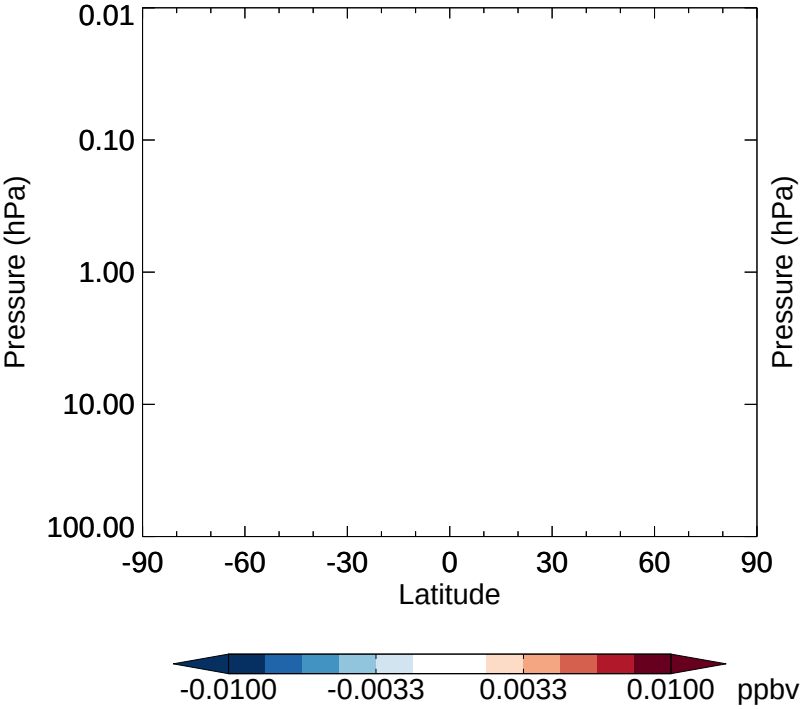
v11-02d / v11-02c

MOBA - Strat zonal mean % diff for Jul



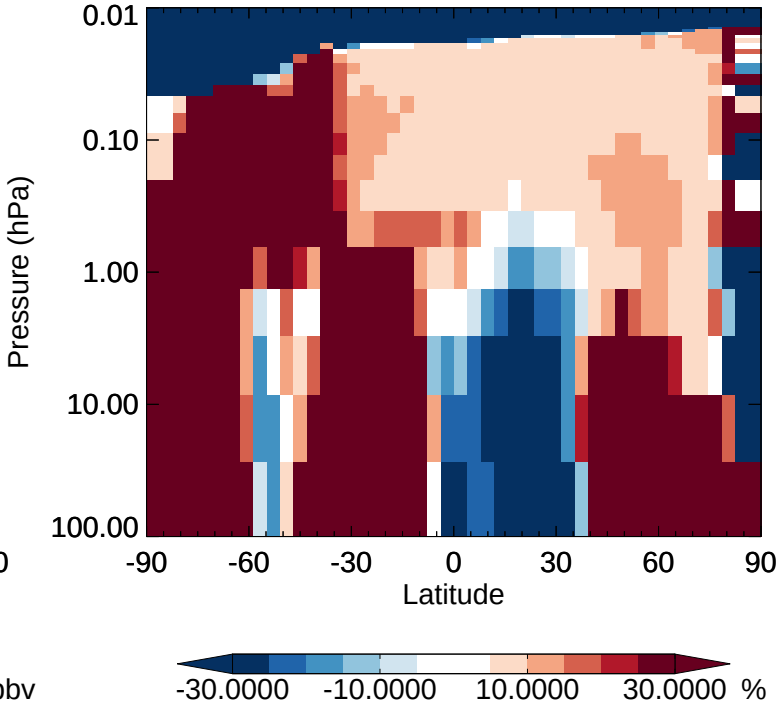
v11-02d - v11-02a

MOBA - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

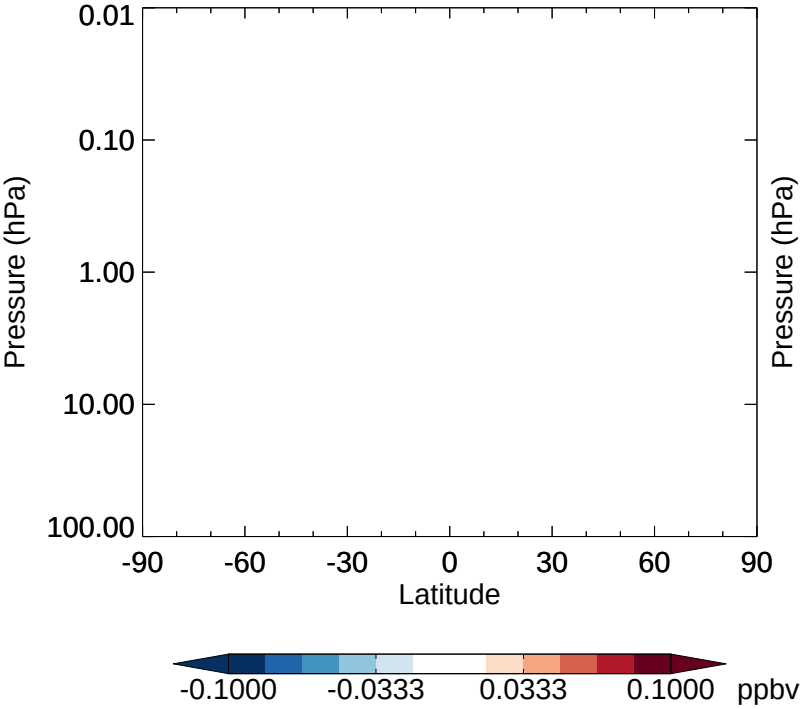
MOBA - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

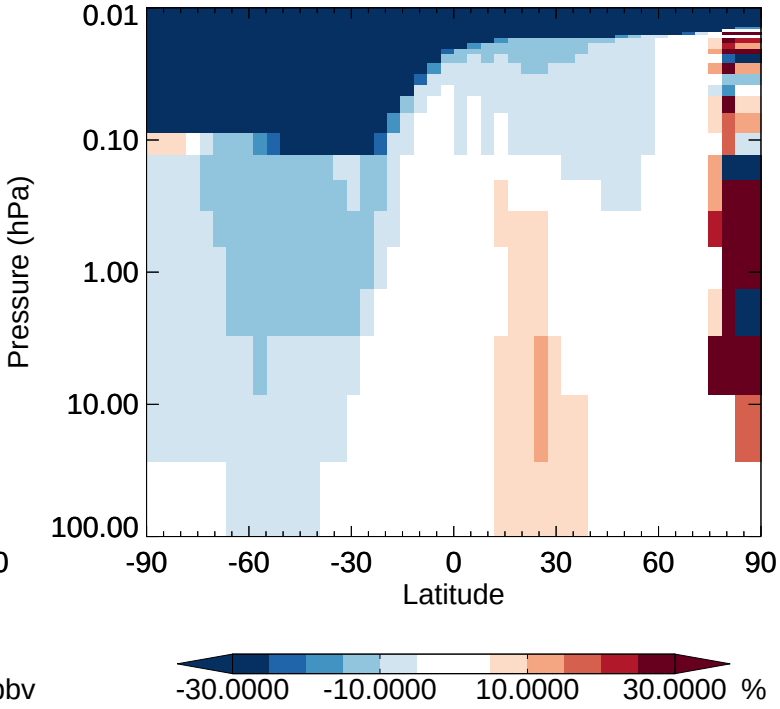
v11-02d - v11-02c

PROPNN - Strat zonal mean abs diff for Jul



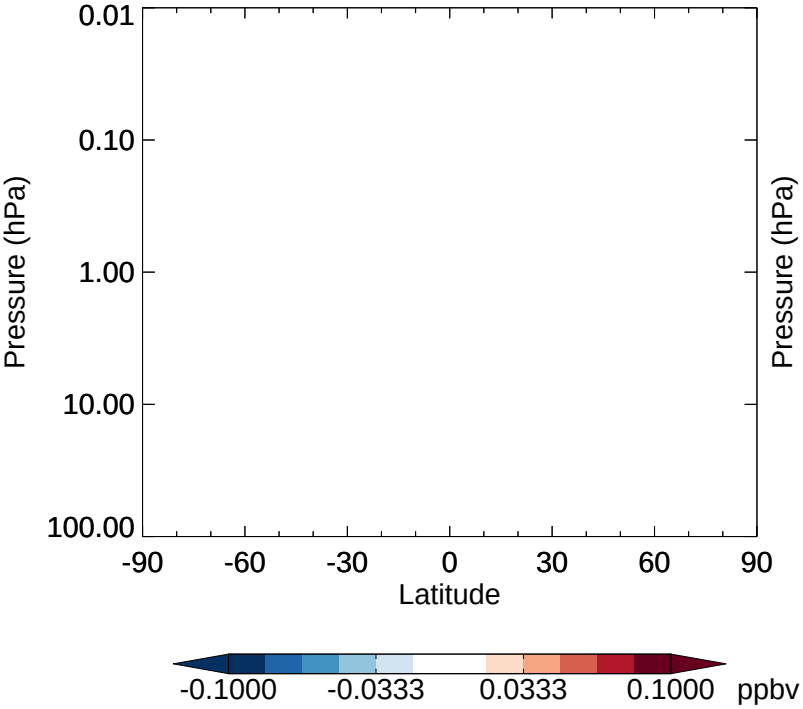
v11-02d / v11-02c

PROPNN - Strat zonal mean % diff for Jul



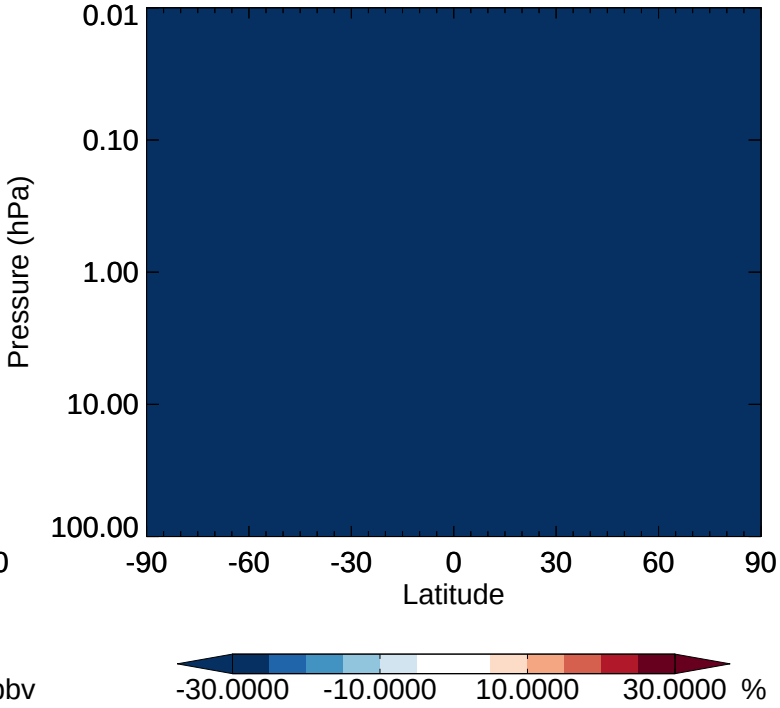
v11-02d - v11-02a

PROPNN - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

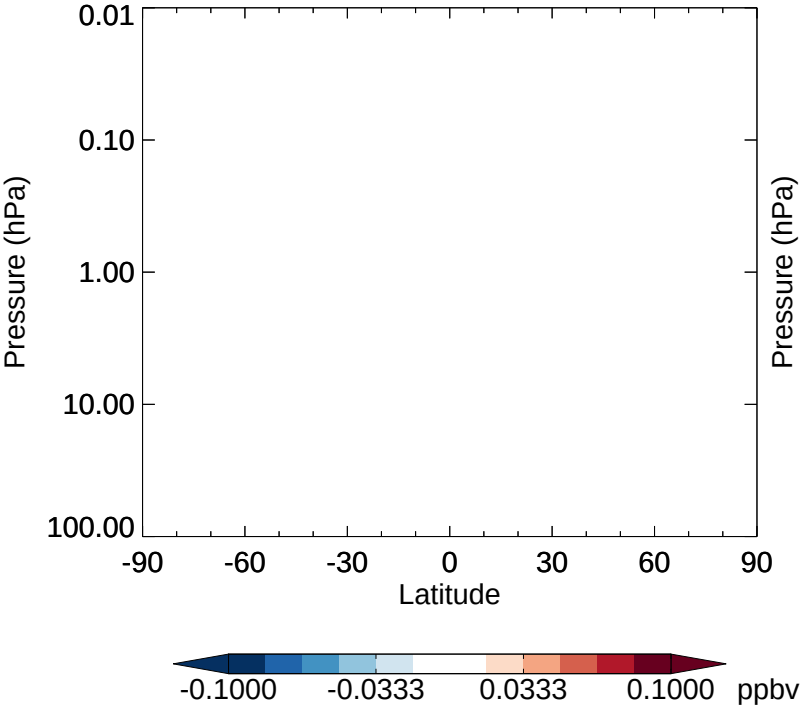
PROPNN - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

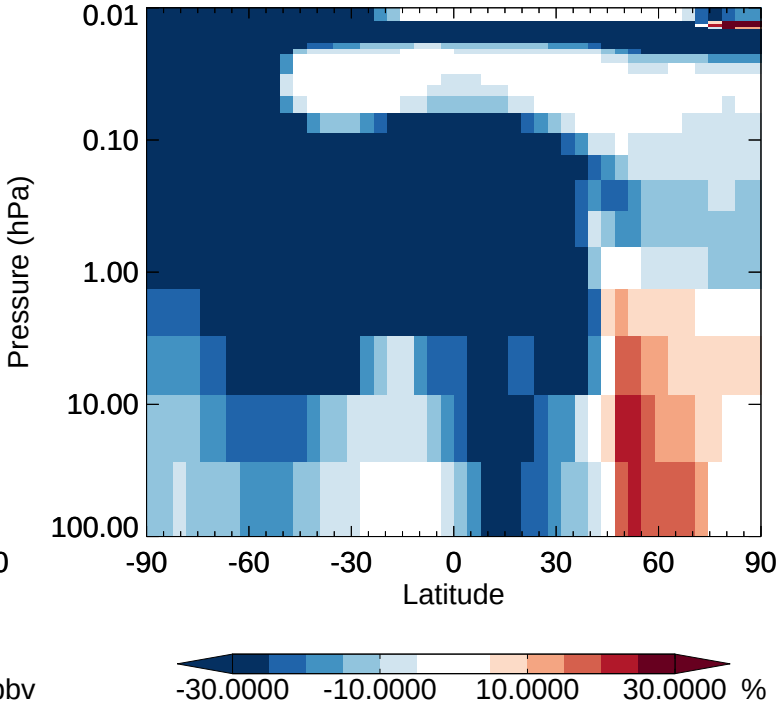
v11-02d - v11-02c

HAC - Strat zonal mean abs diff for Jul



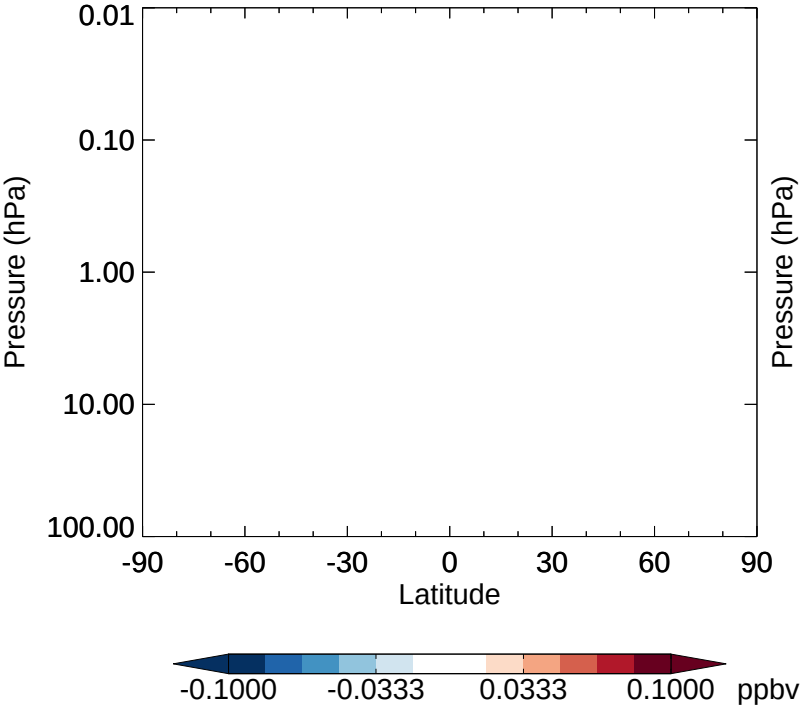
v11-02d / v11-02c

HAC - Strat zonal mean % diff for Jul



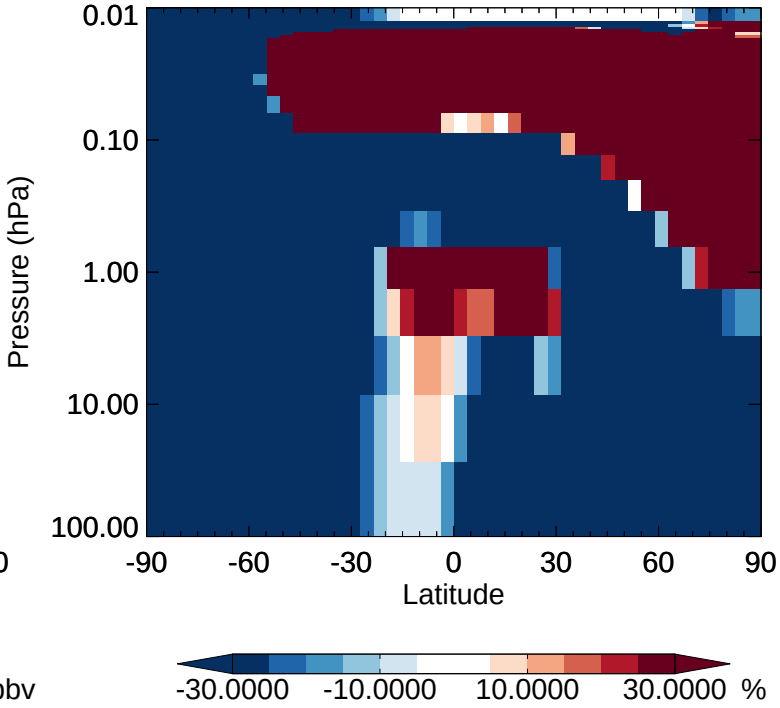
v11-02d - v11-02a

HAC - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

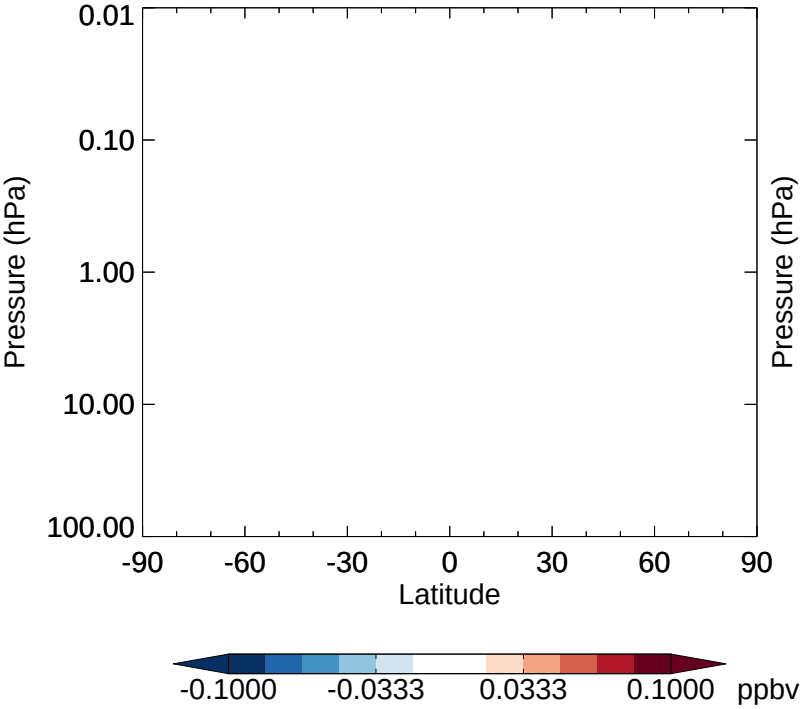
HAC - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

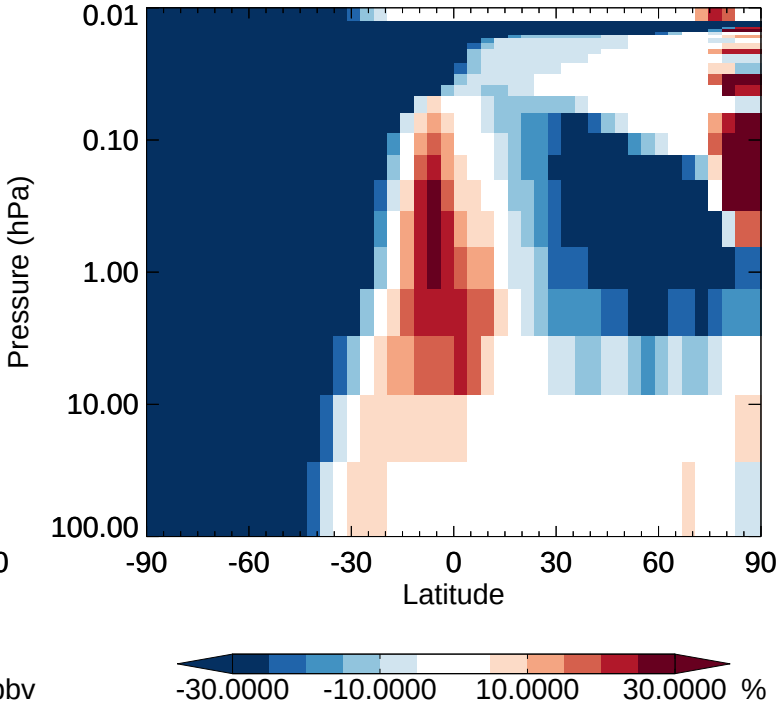
v11-02d - v11-02c

GLYC - Strat zonal mean abs diff for Jul



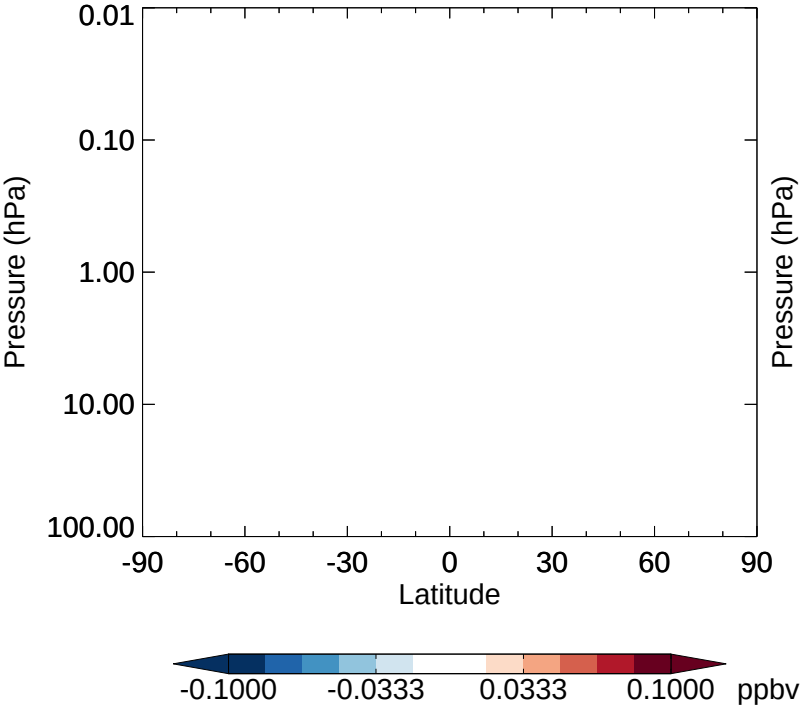
v11-02d / v11-02c

GLYC - Strat zonal mean % diff for Jul



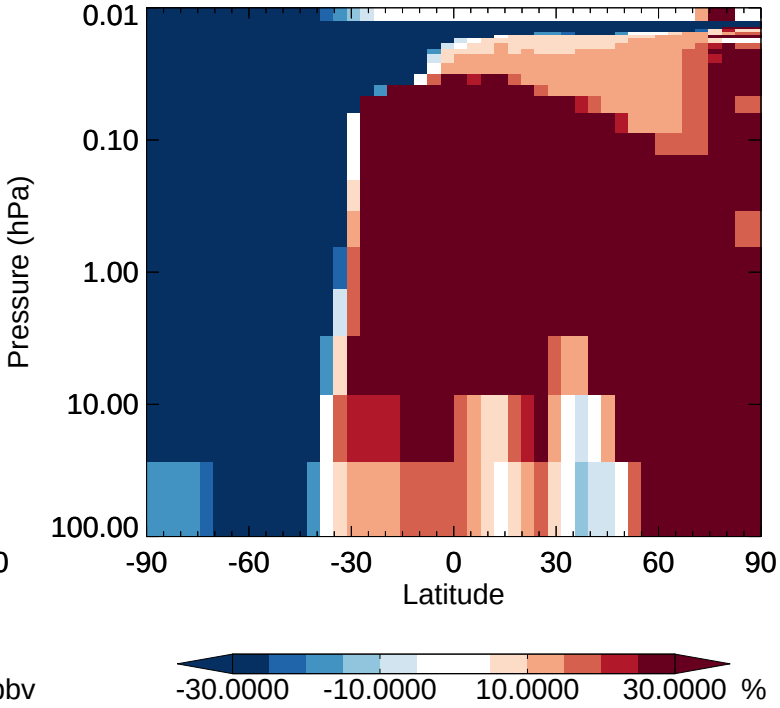
v11-02d - v11-02a

GLYC - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

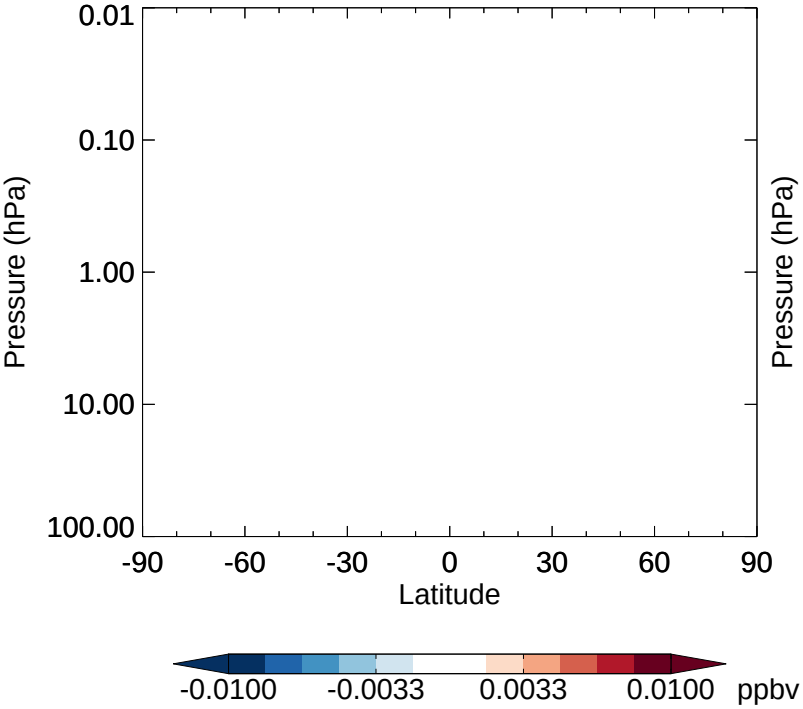
GLYC - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

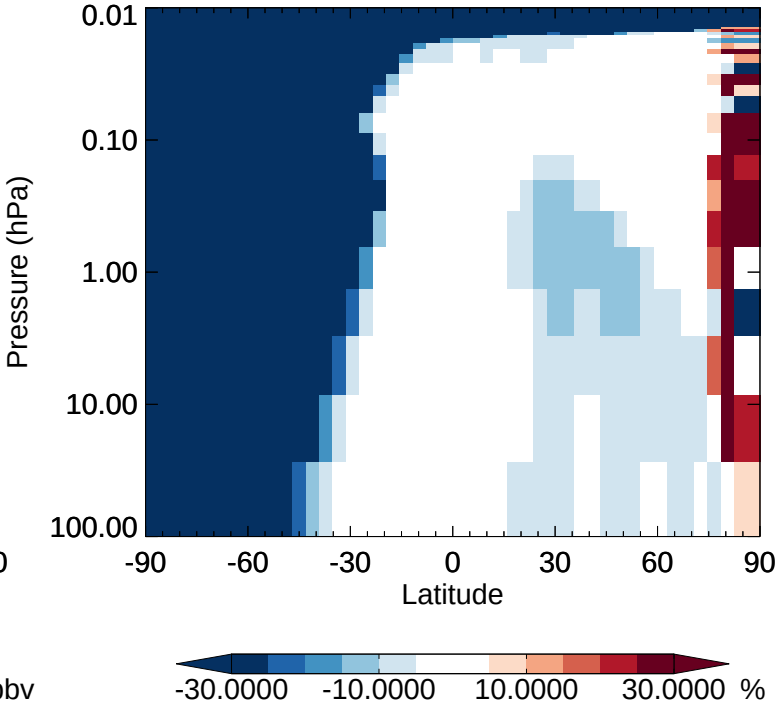
v11-02d - v11-02c

MVKN - Strat zonal mean abs diff for Jul



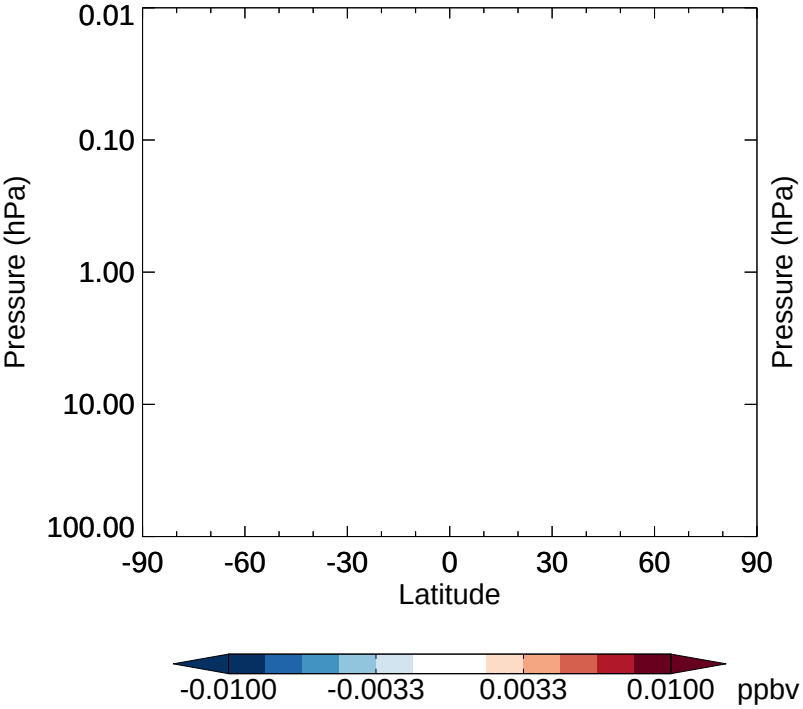
v11-02d / v11-02c

MVKN - Strat zonal mean % diff for Jul



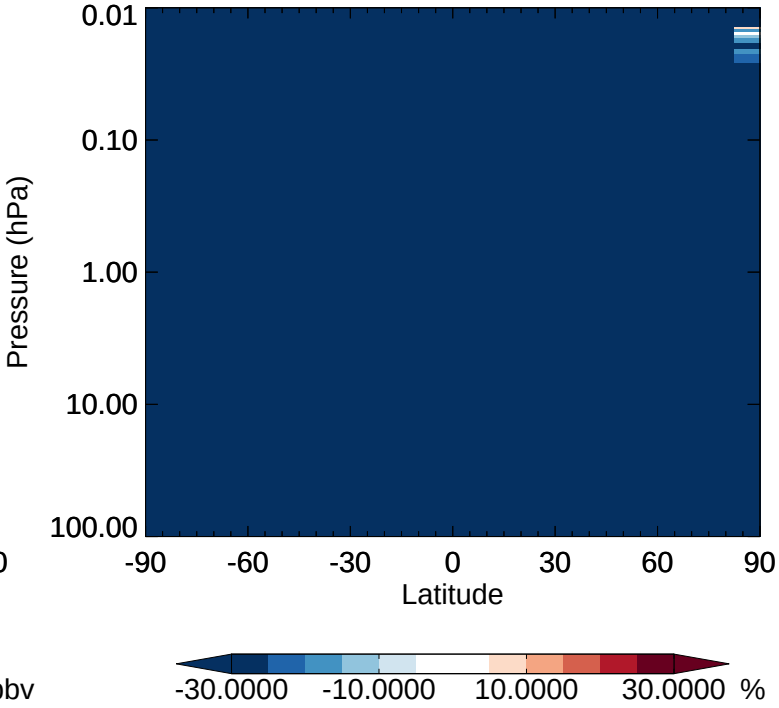
v11-02d - v11-02a

MVKN - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

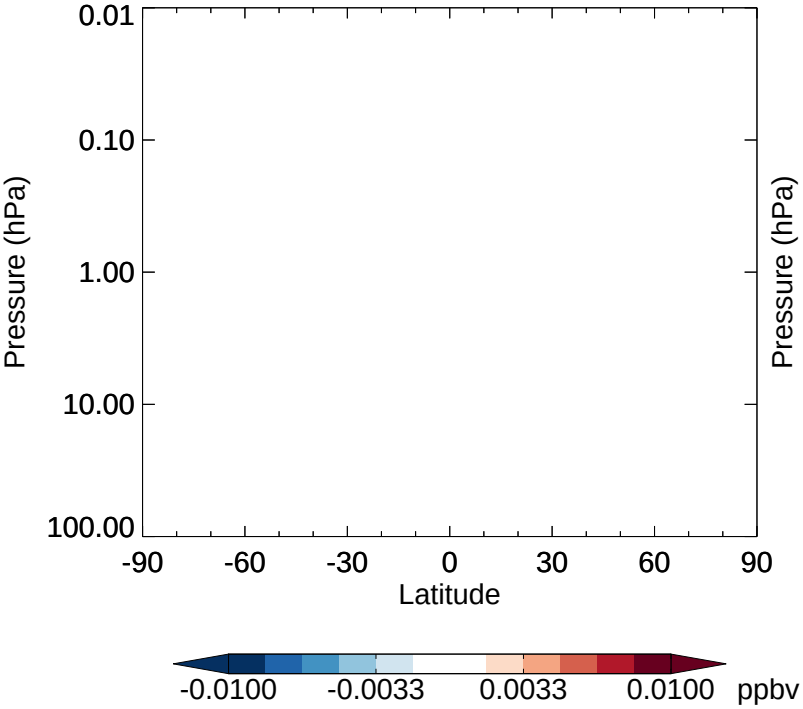
MVKN - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

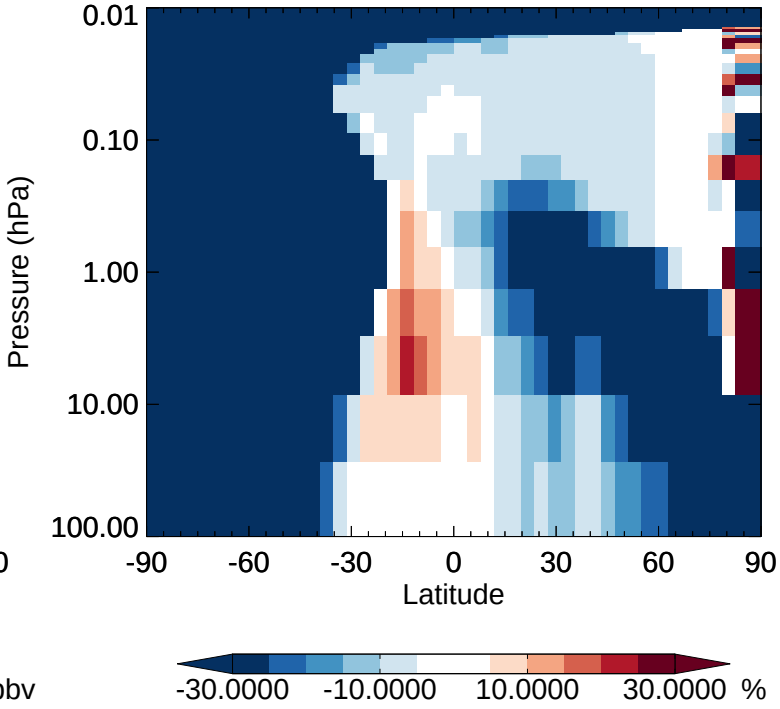
v11-02d - v11-02c

MACRN - Strat zonal mean abs diff for Jul



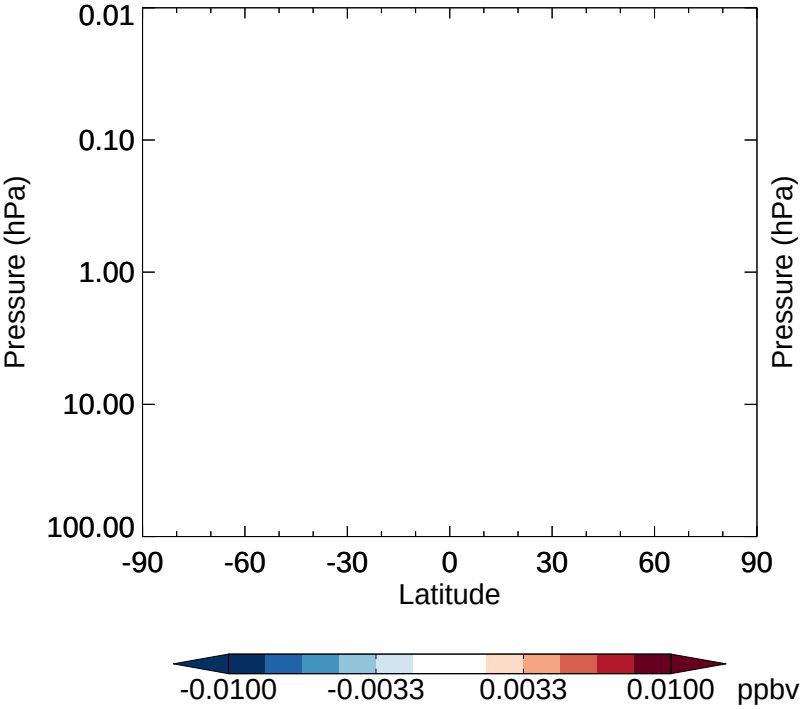
v11-02d / v11-02c

MACRN - Strat zonal mean % diff for Jul



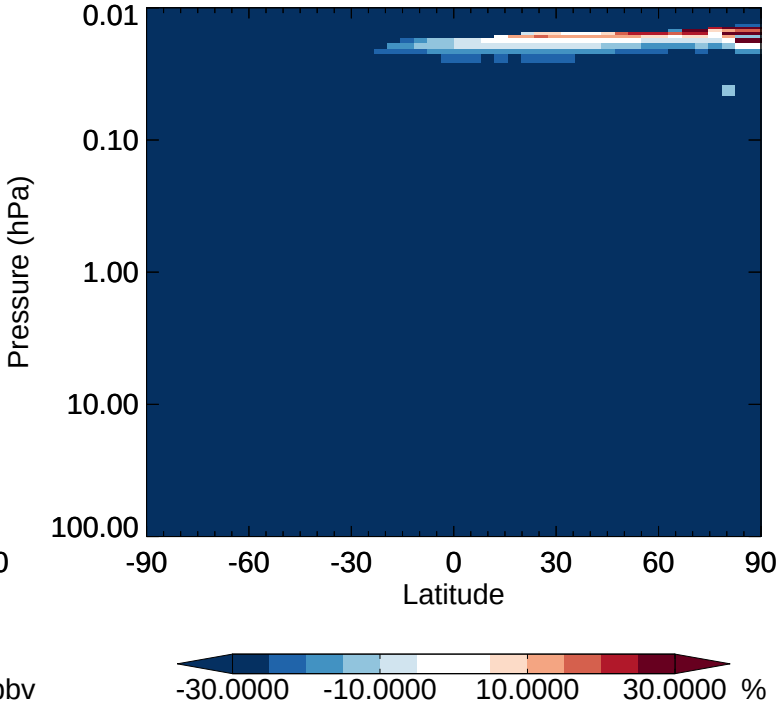
v11-02d - v11-02a

MACRN - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

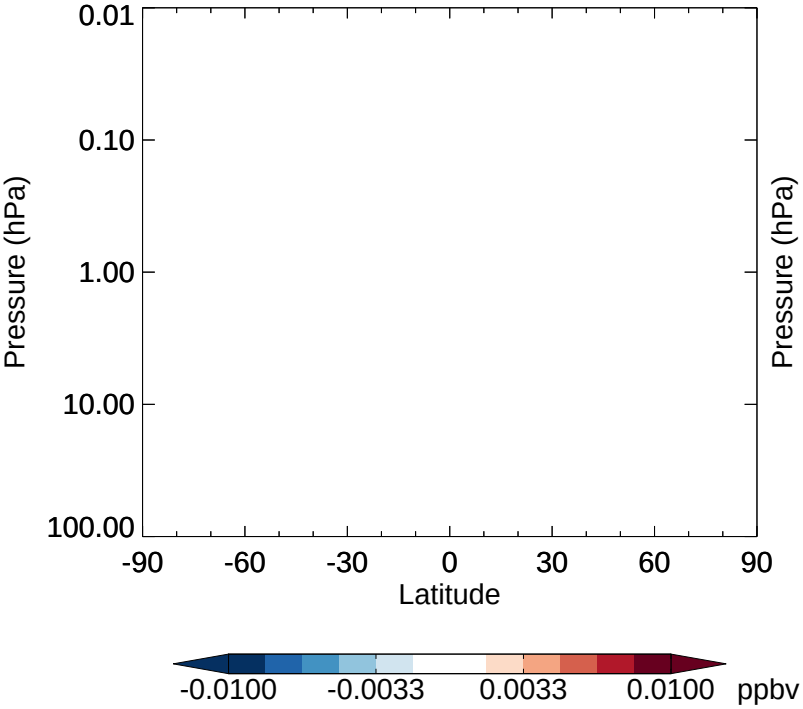
MACRN - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

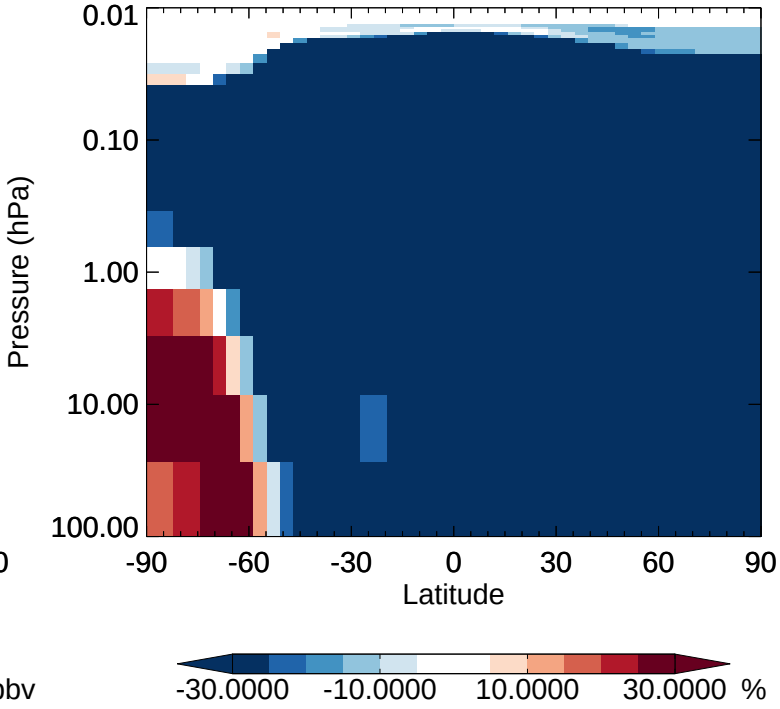
v11-02d - v11-02c

MAP - Strat zonal mean abs diff for Jul



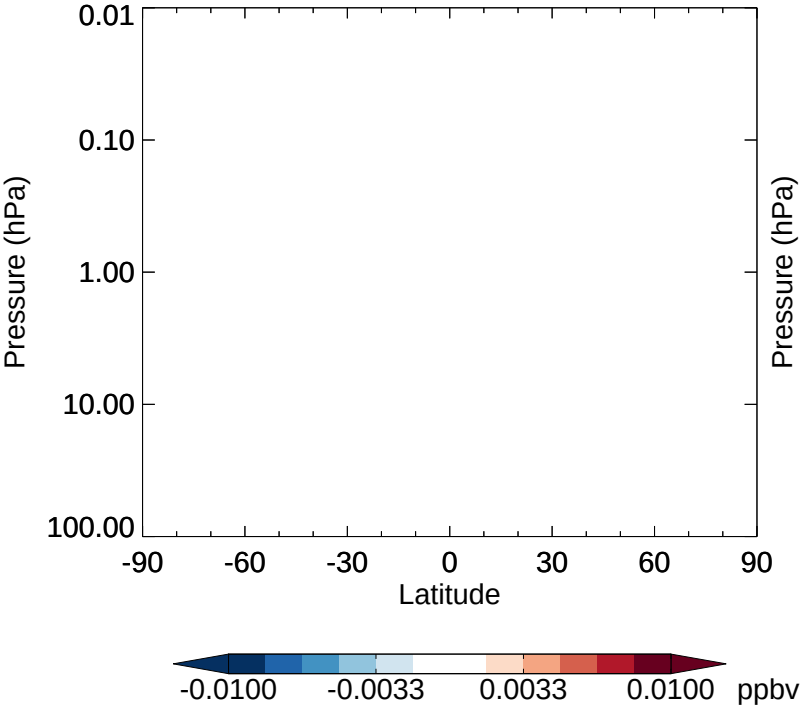
v11-02d / v11-02c

MAP - Strat zonal mean % diff for Jul



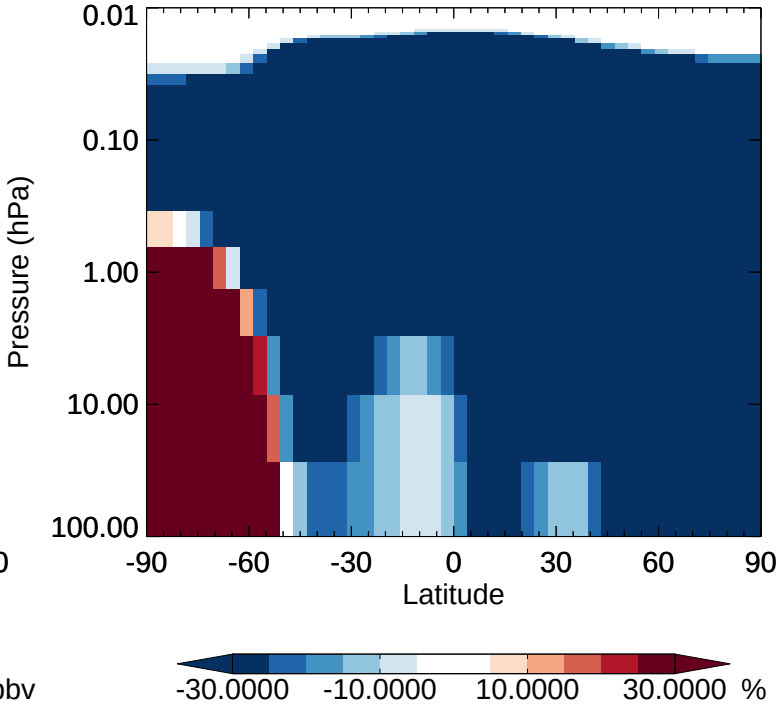
v11-02d - v11-02a

MAP - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

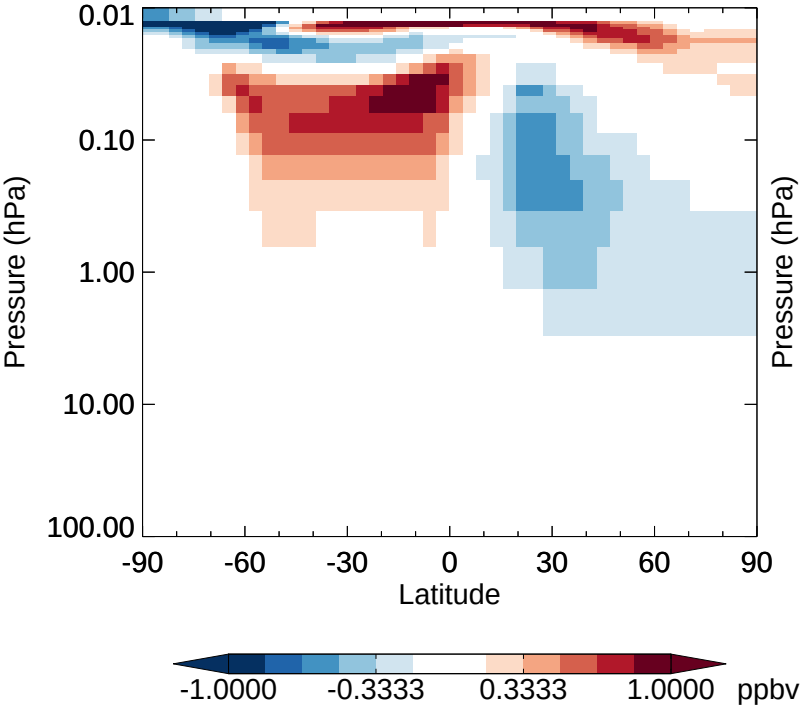
MAP - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

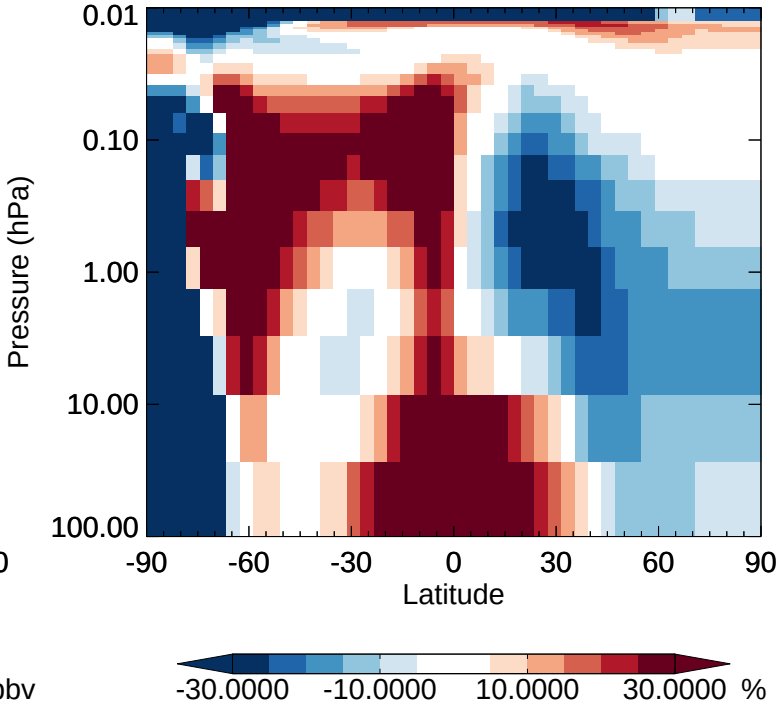
v11-02d - v11-02c

NO2 - Strat zonal mean abs diff for Jul



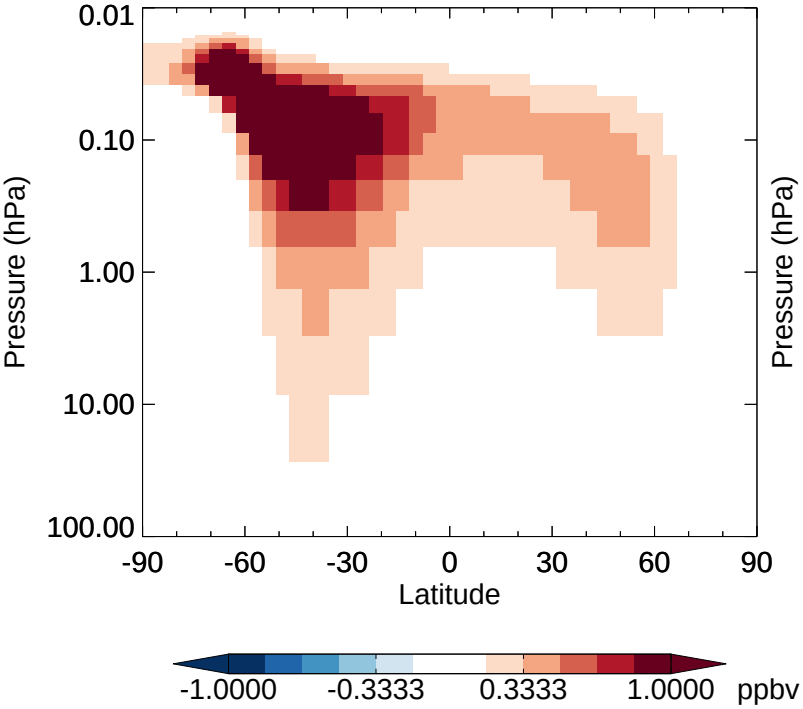
v11-02d / v11-02c

NO2 - Strat zonal mean % diff for Jul



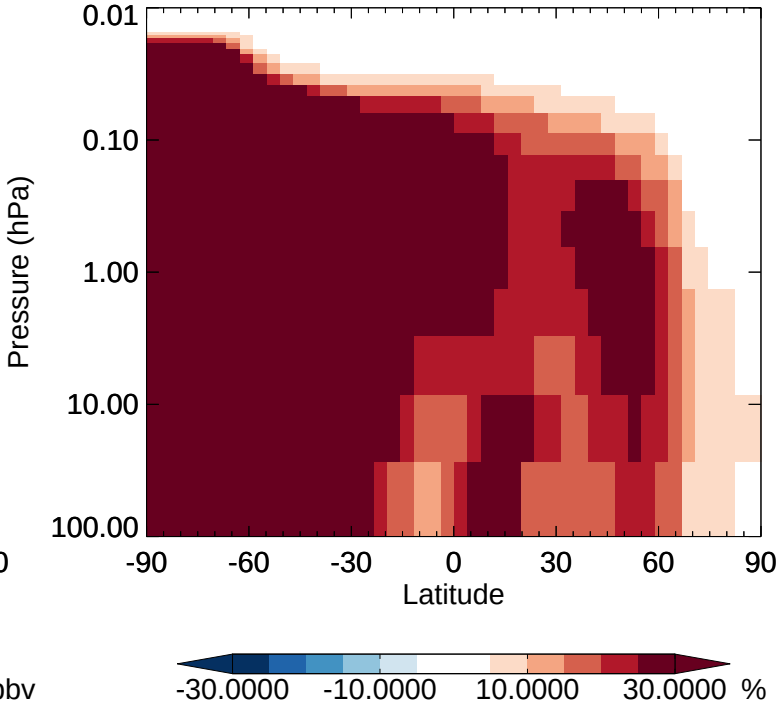
v11-02d - v11-02a

NO2 - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

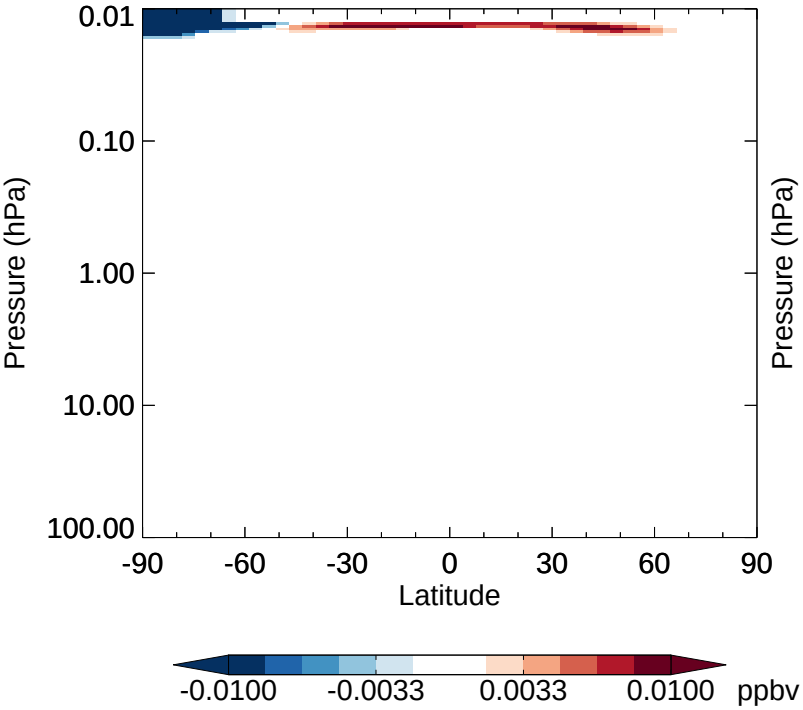
NO2 - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

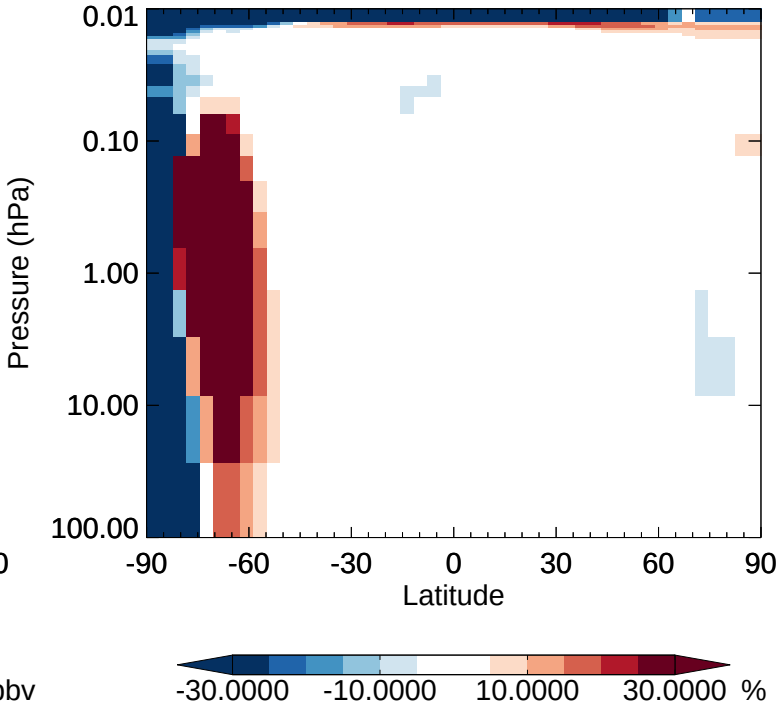
v11-02d - v11-02c

NO3 - Strat zonal mean abs diff for Jul



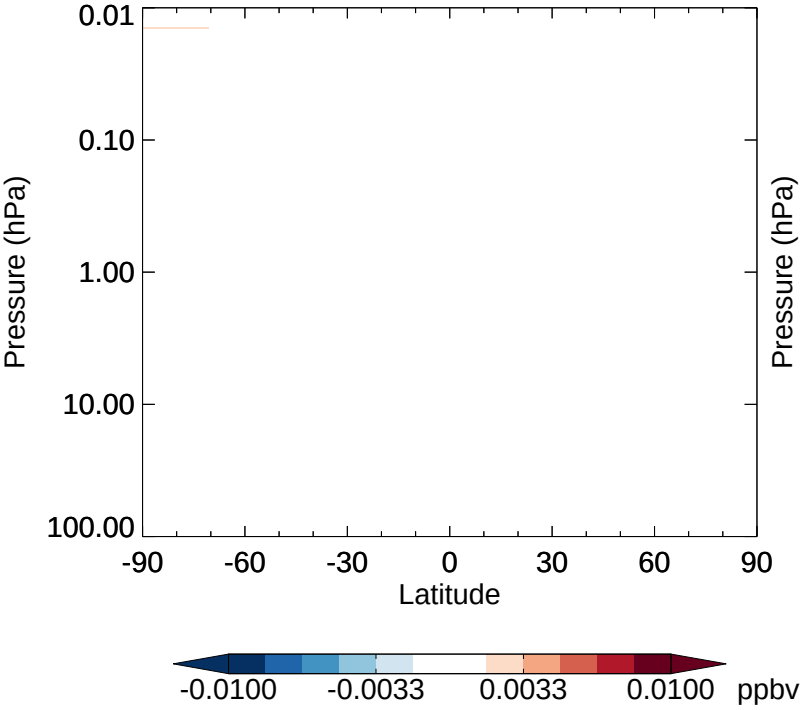
v11-02d / v11-02c

NO3 - Strat zonal mean % diff for Jul



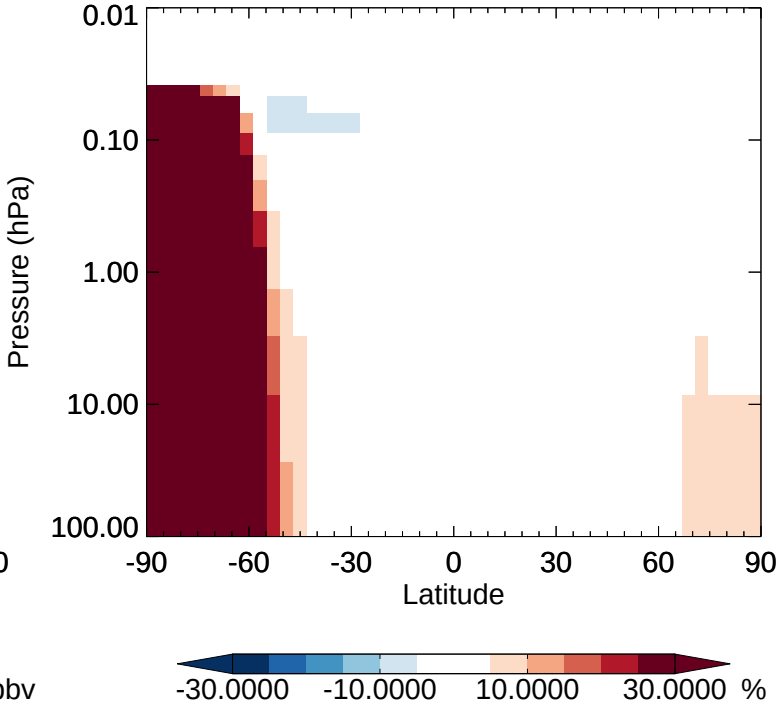
v11-02d - v11-02a

NO3 - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

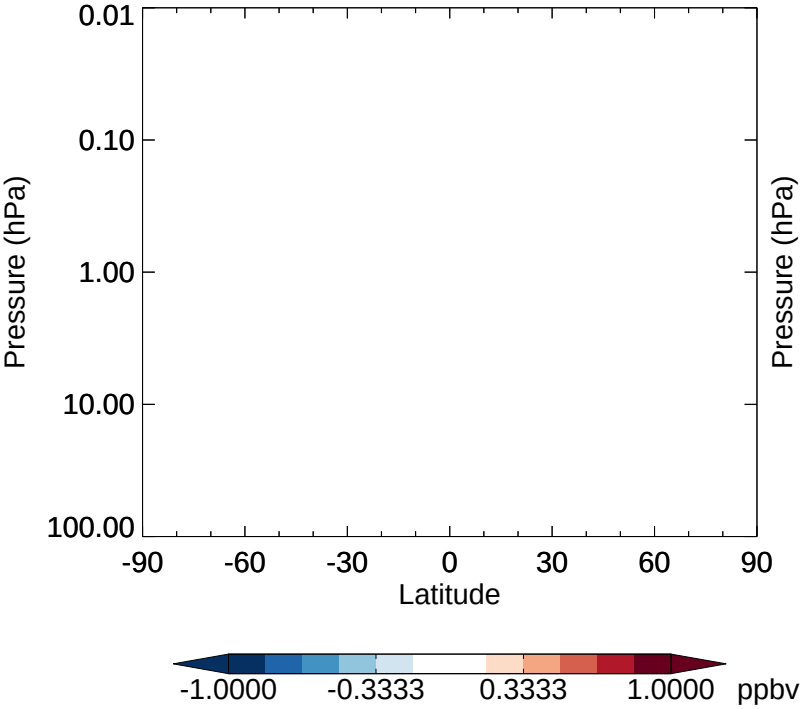
NO3 - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

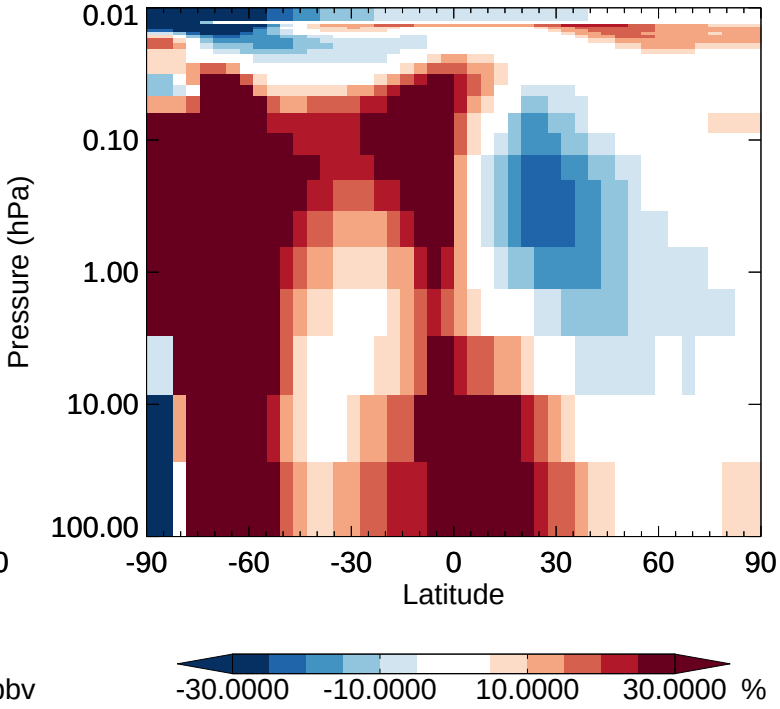
v11-02d - v11-02c

HNO2 - Strat zonal mean abs diff for Jul



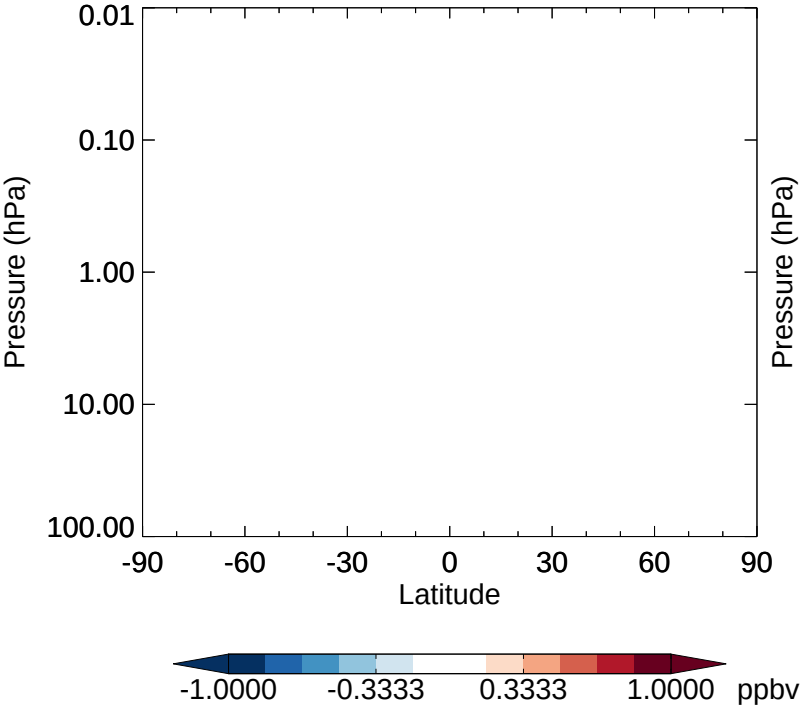
v11-02d / v11-02c

HNO2 - Strat zonal mean % diff for Jul



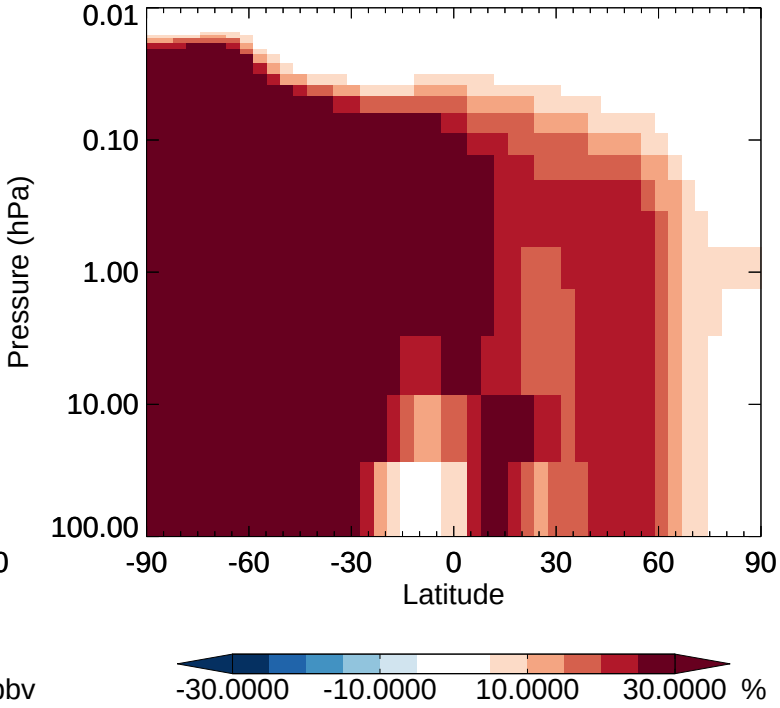
v11-02d - v11-02a

HNO2 - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

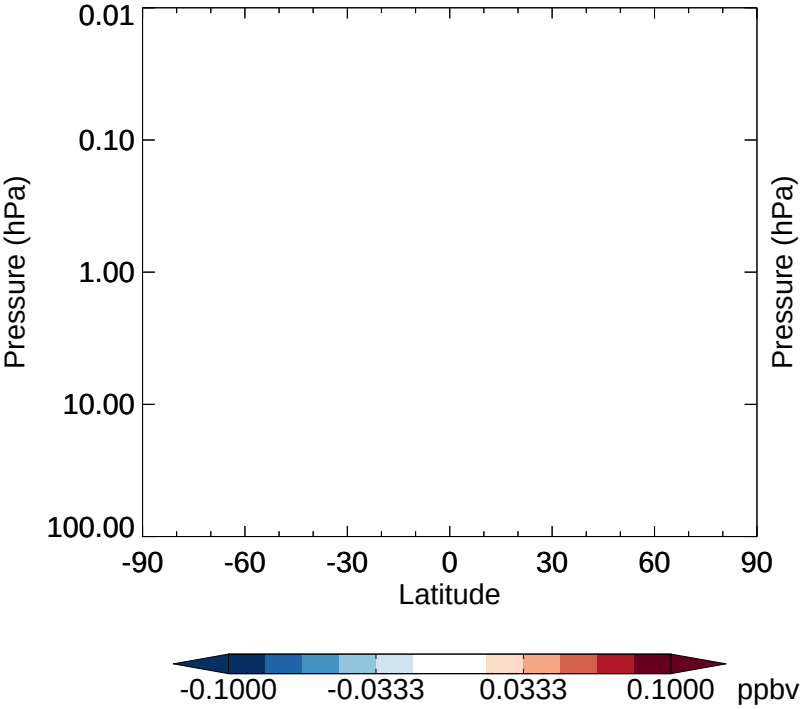
HNO2 - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

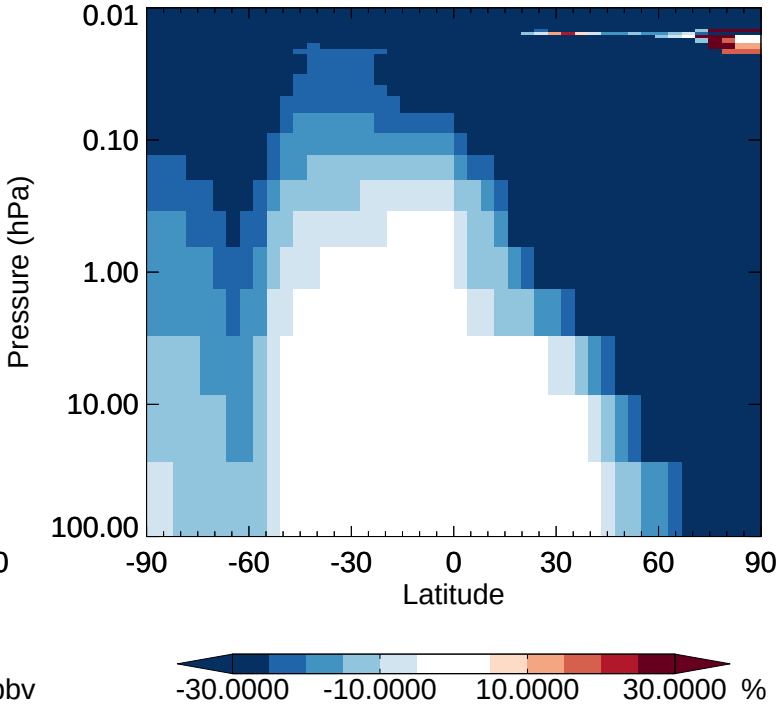
v11-02d - v11-02c

BENZ - Strat zonal mean abs diff for Jul



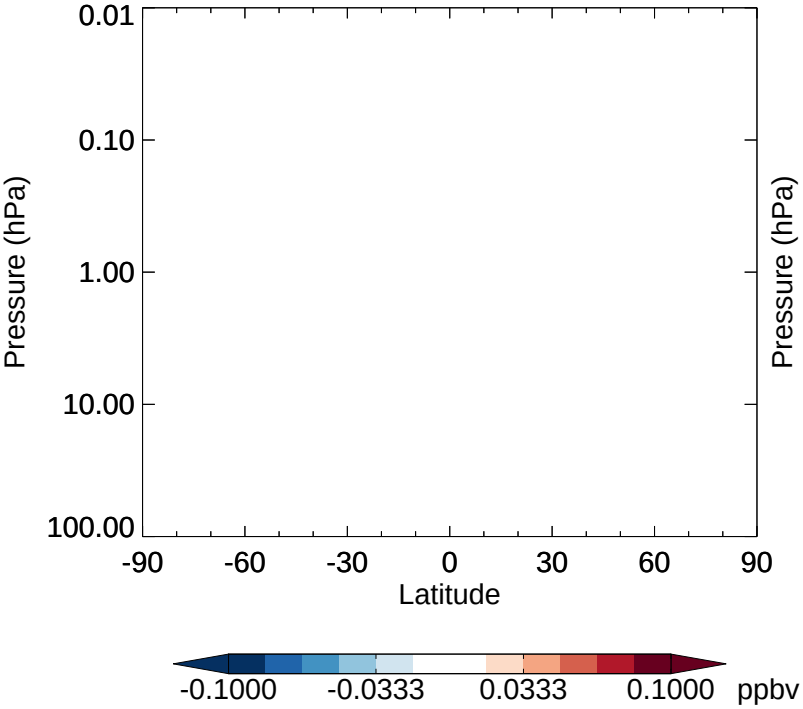
v11-02d / v11-02c

BENZ - Strat zonal mean % diff for Jul



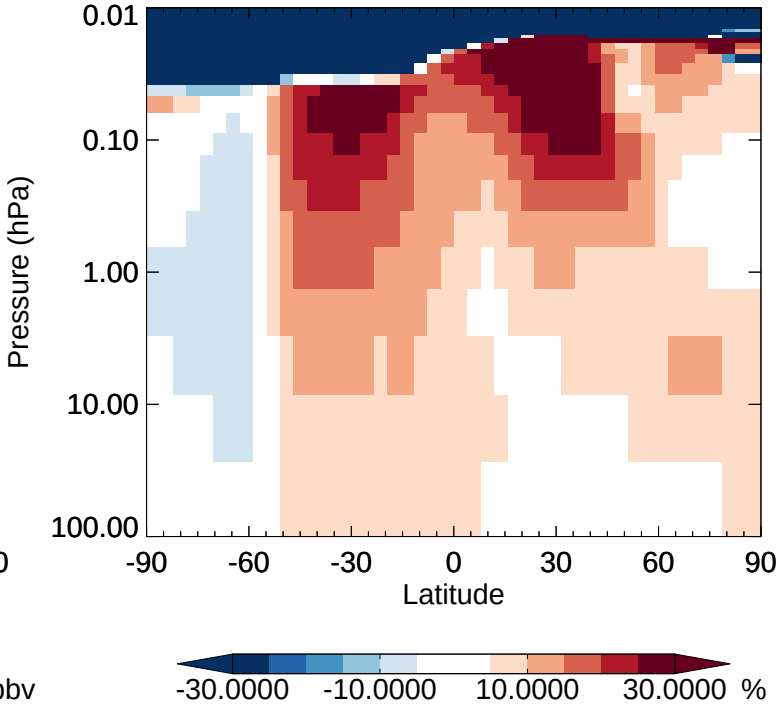
v11-02d - v11-02a

BENZ - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

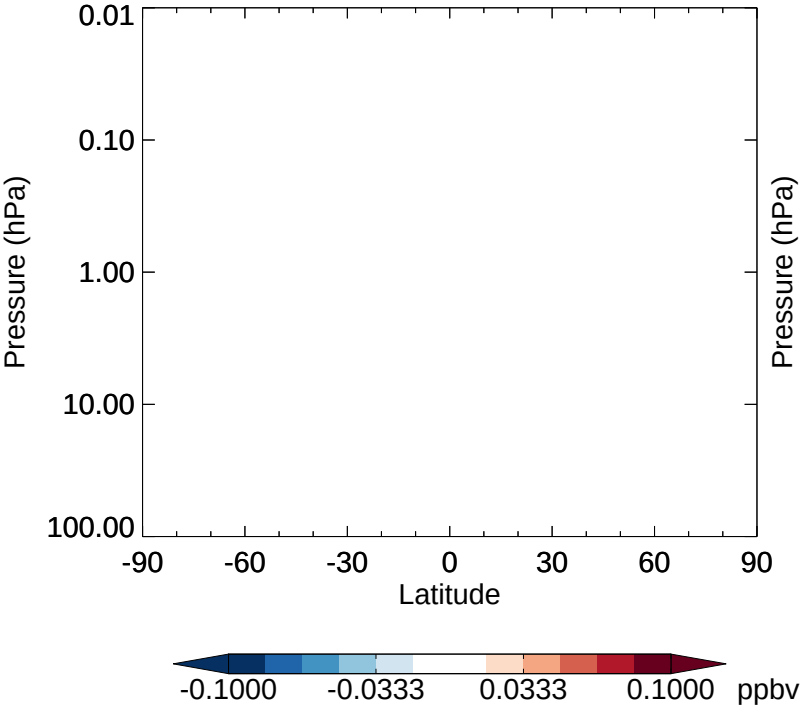
BENZ - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

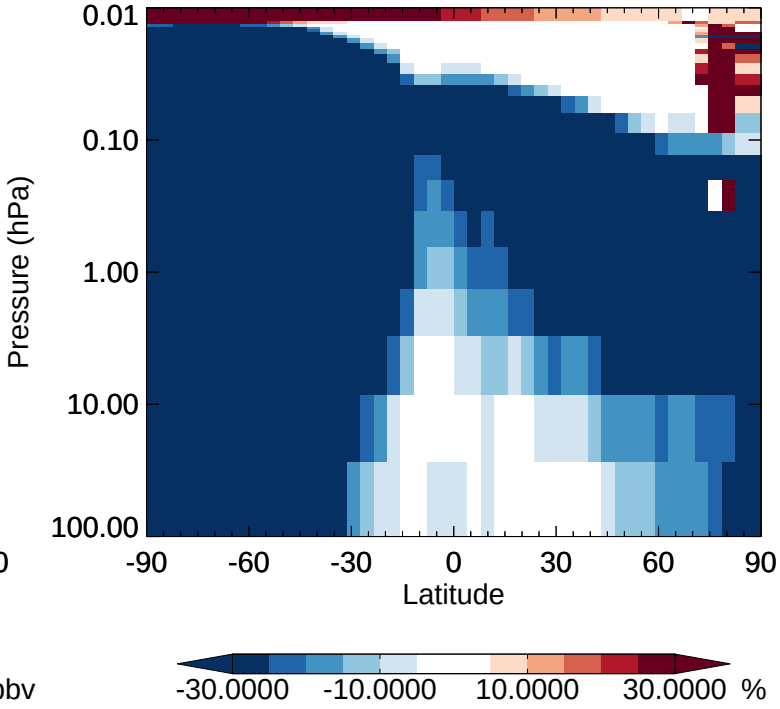
v11-02d - v11-02c

TOLU - Strat zonal mean abs diff for Jul



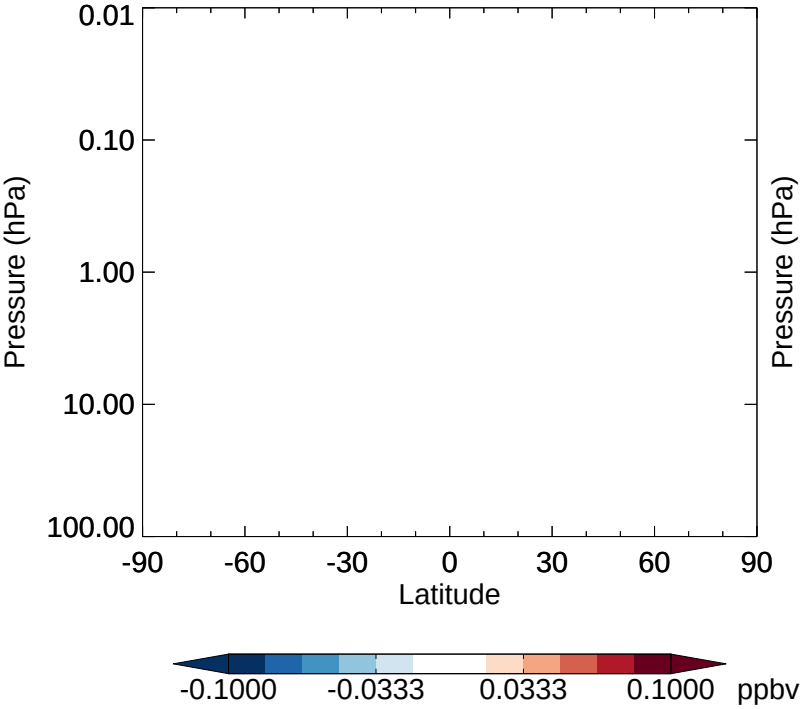
v11-02d / v11-02c

TOLU - Strat zonal mean % diff for Jul



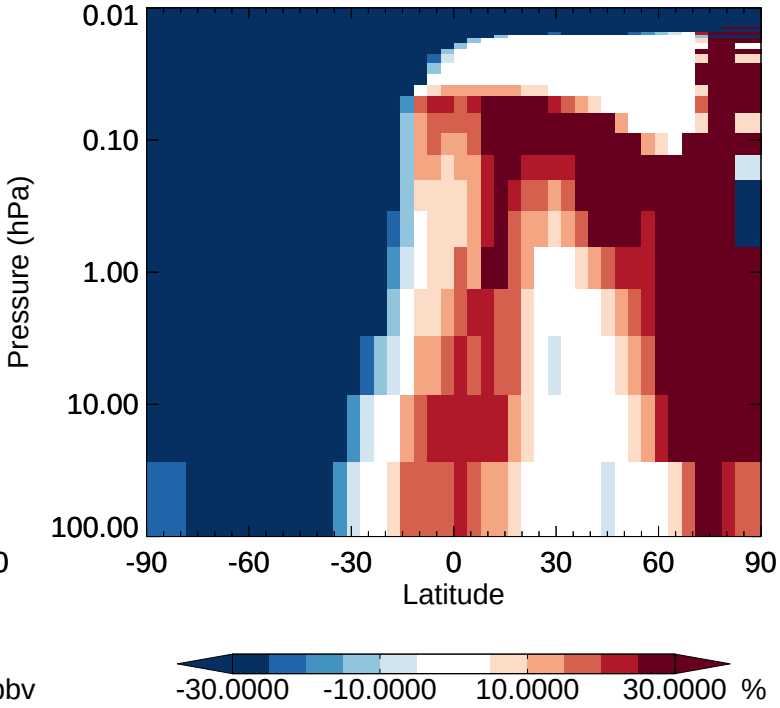
v11-02d - v11-02a

TOLU - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

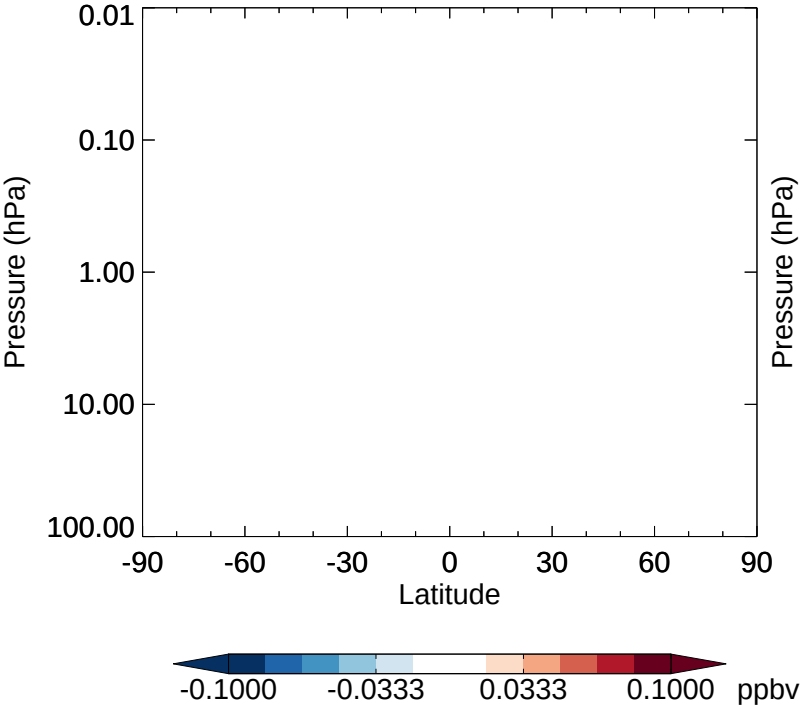
TOLU - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

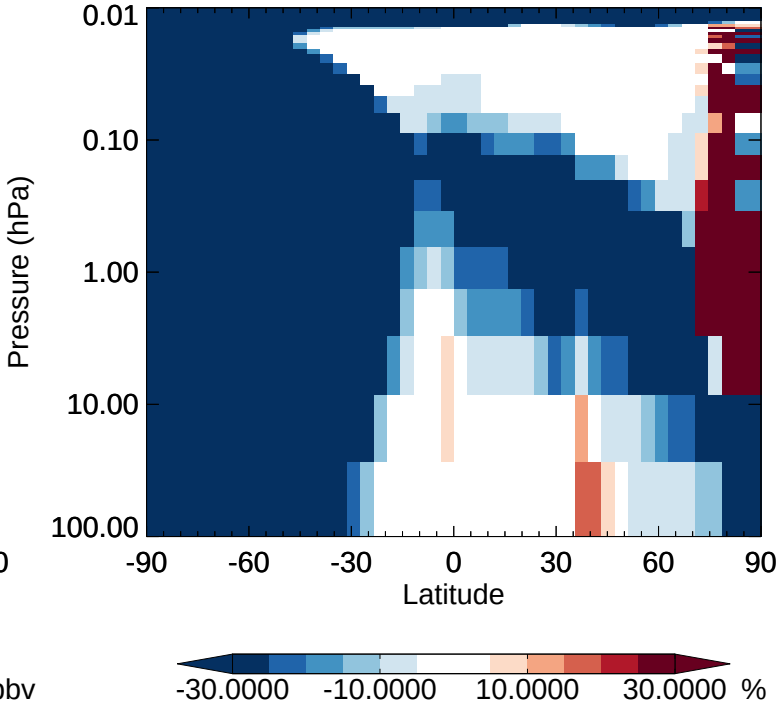
v11-02d - v11-02c

XYLE - Strat zonal mean abs diff for Jul



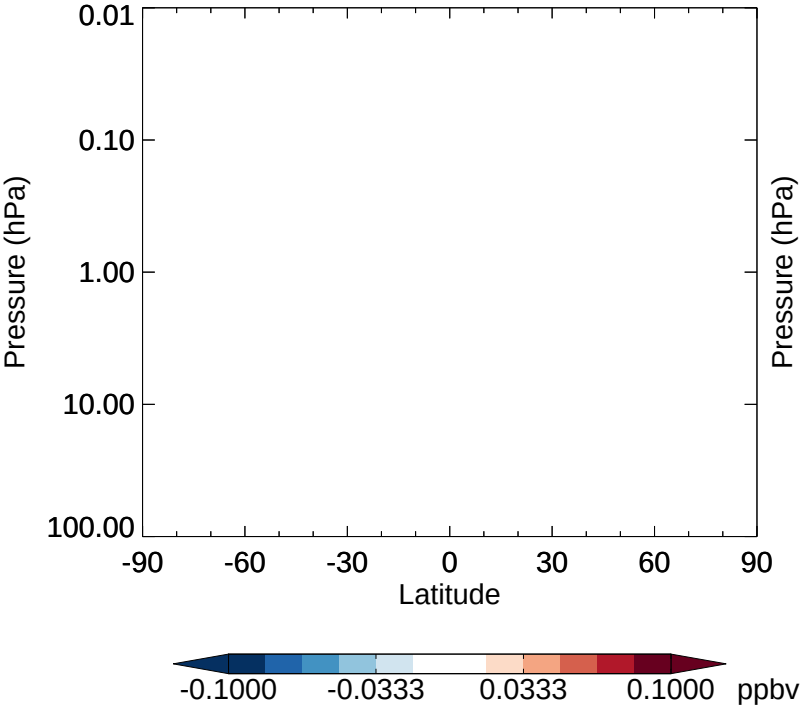
v11-02d / v11-02c

XYLE - Strat zonal mean % diff for Jul



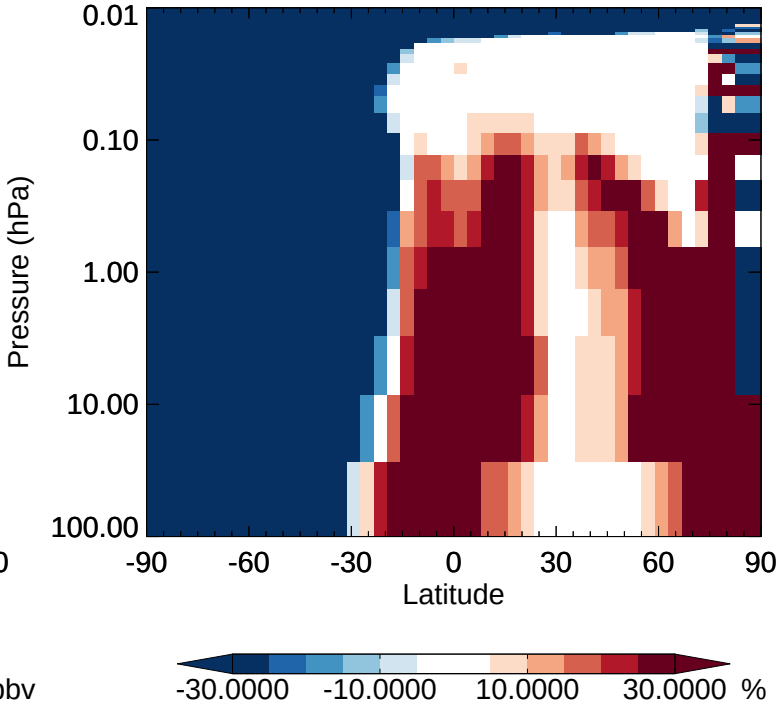
v11-02d - v11-02a

XYLE - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

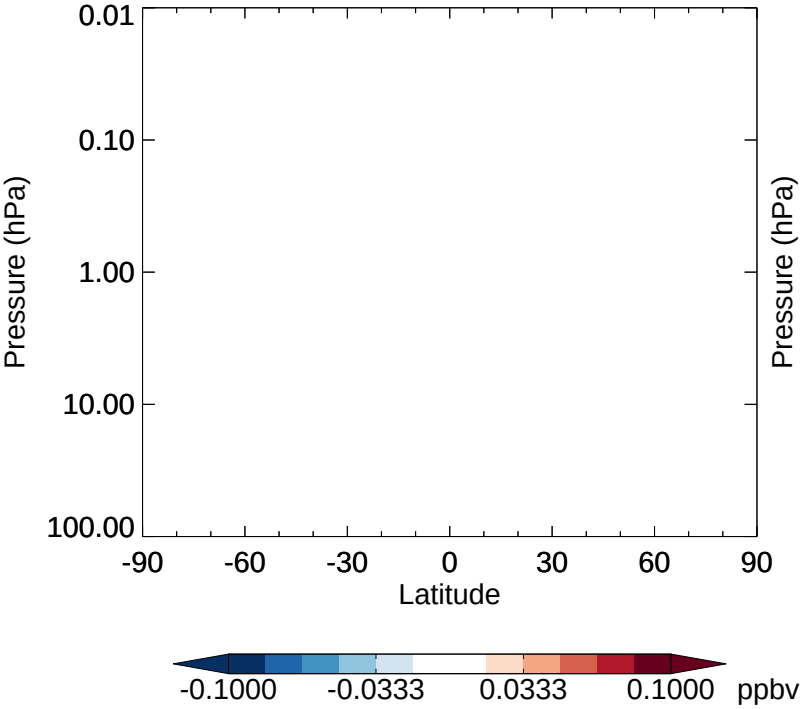
XYLE - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

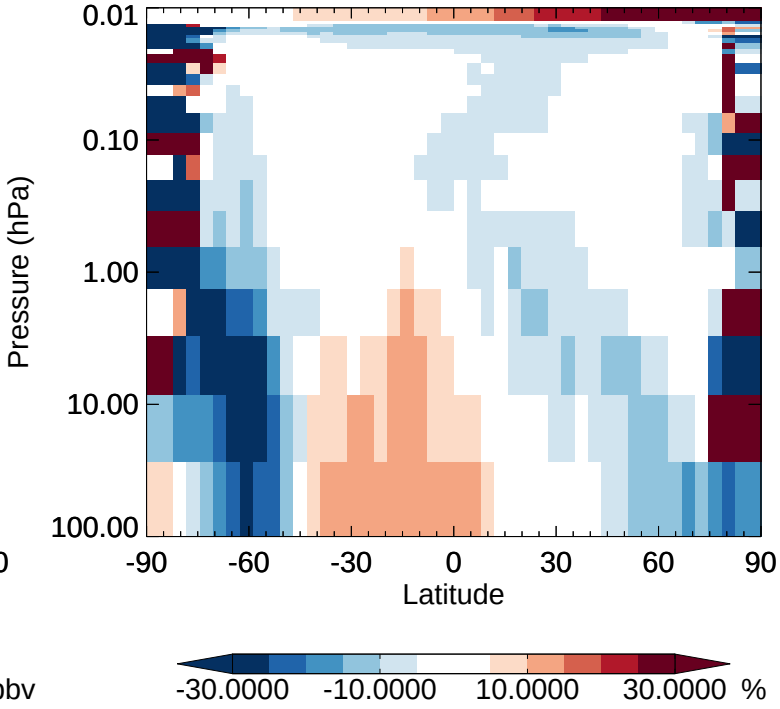
v11-02d - v11-02c

MTPA - Strat zonal mean abs diff for Jul



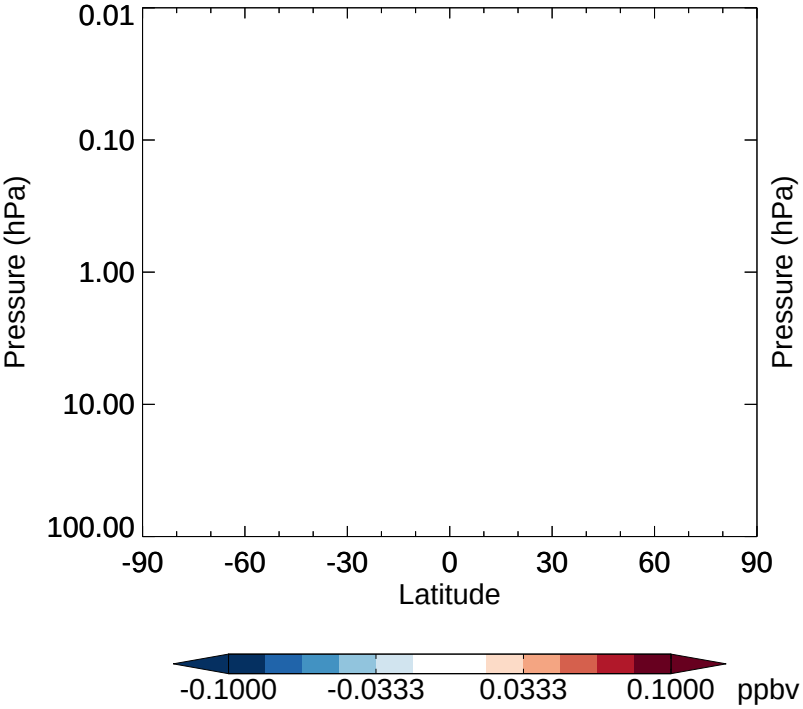
v11-02d / v11-02c

MTPA - Strat zonal mean % diff for Jul



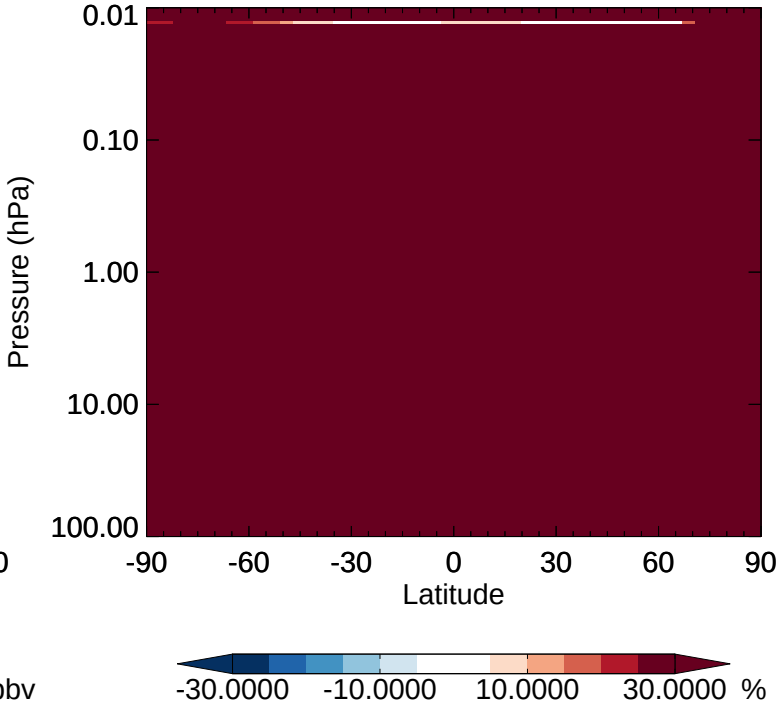
v11-02d - v11-02a

MTPA - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

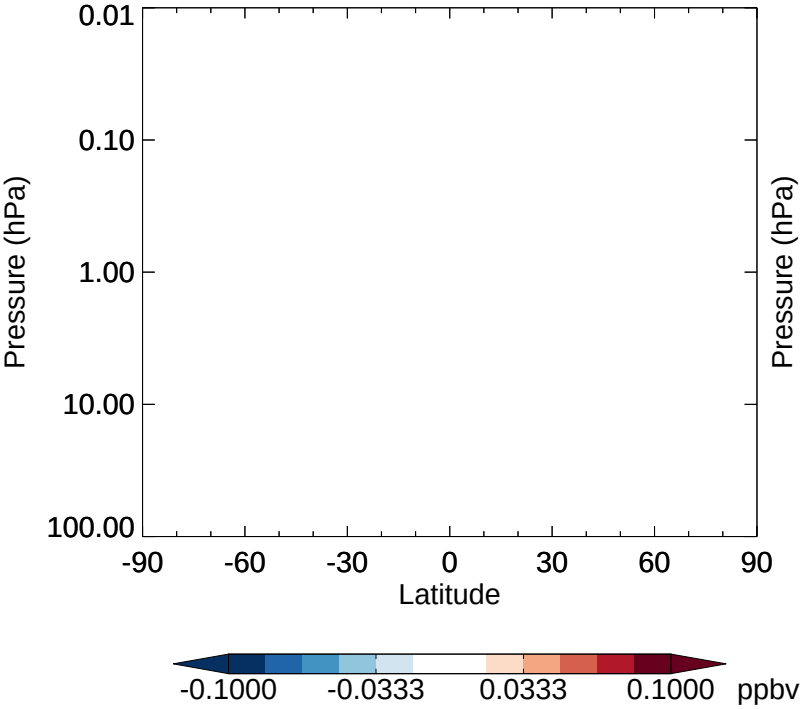
MTPA - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

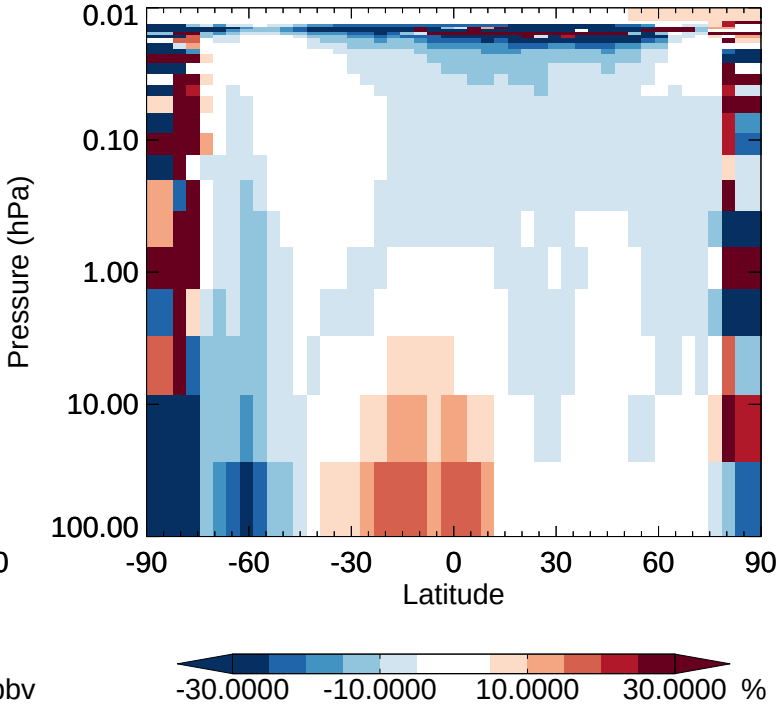
v11-02d - v11-02c

LIMO - Strat zonal mean abs diff for Jul



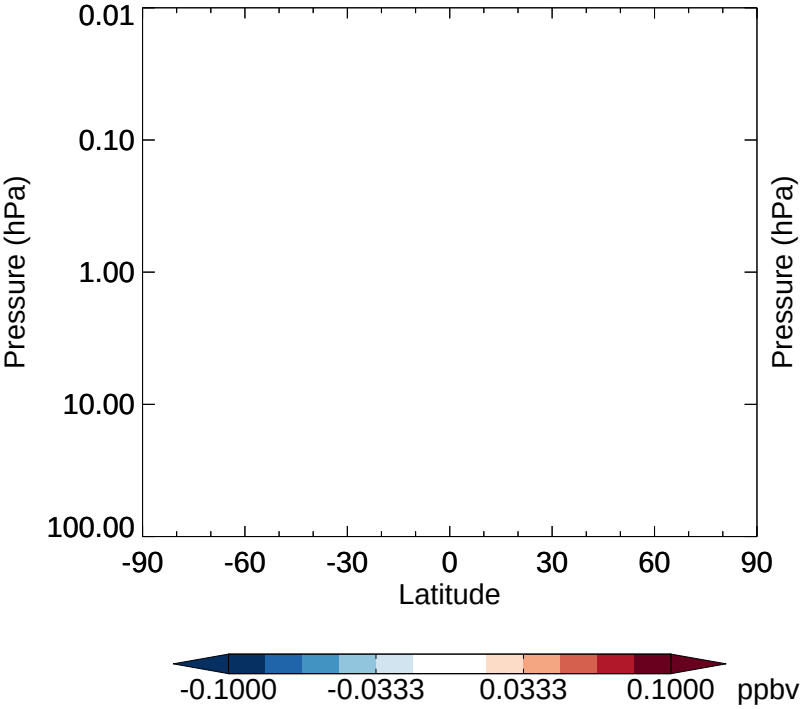
v11-02d / v11-02c

LIMO - Strat zonal mean % diff for Jul



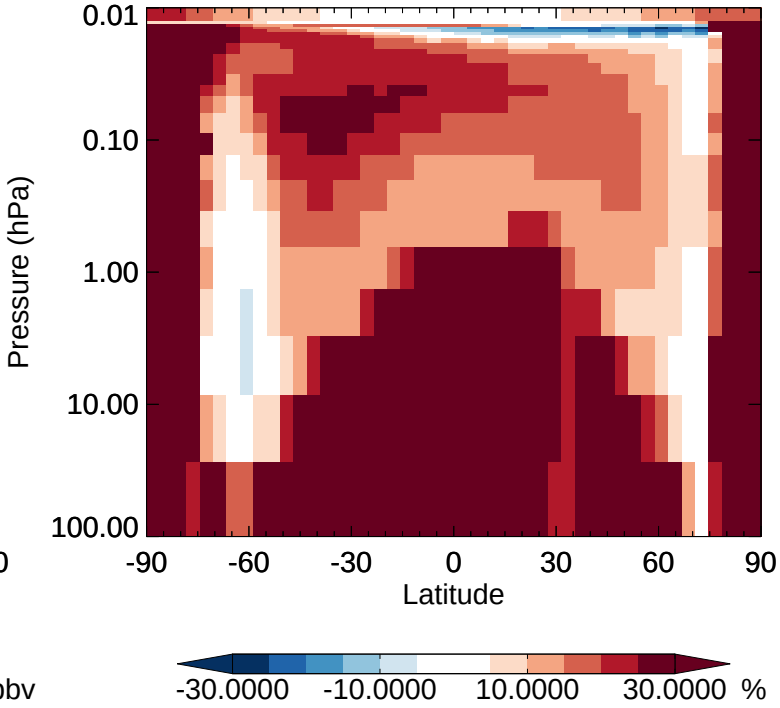
v11-02d - v11-02a

LIMO - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

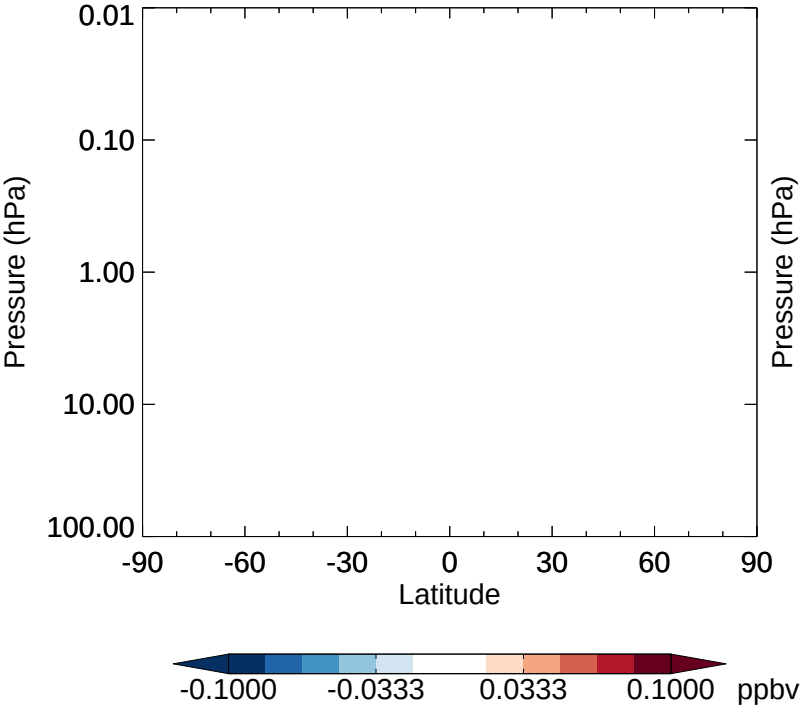
LIMO - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

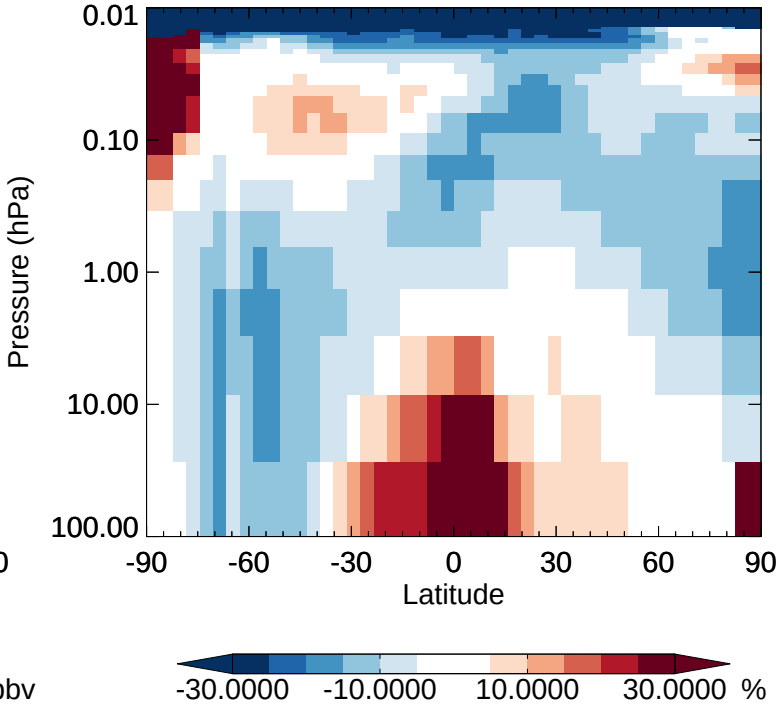
v11-02d - v11-02c

MTPO - Strat zonal mean abs diff for Jul



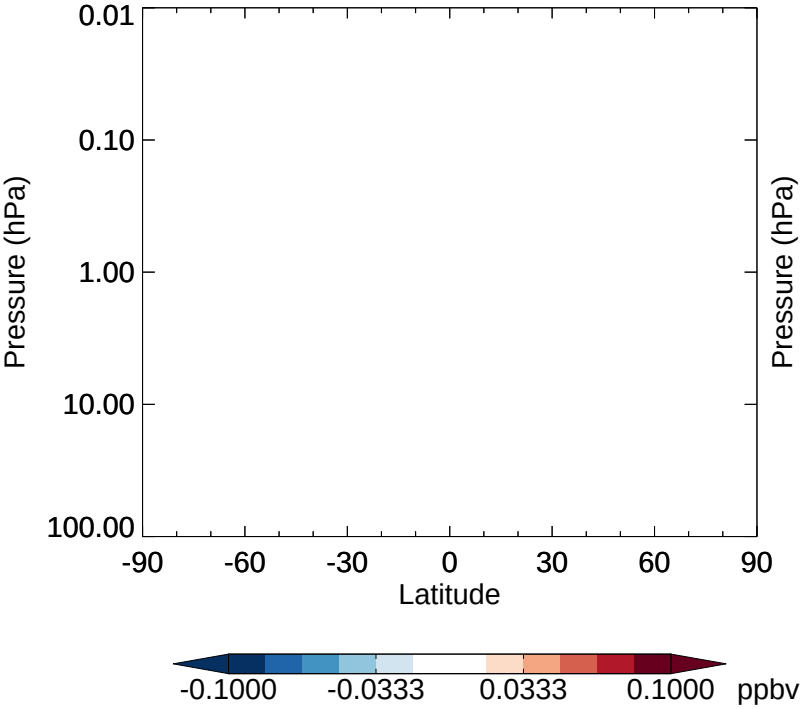
v11-02d / v11-02c

MTPO - Strat zonal mean % diff for Jul



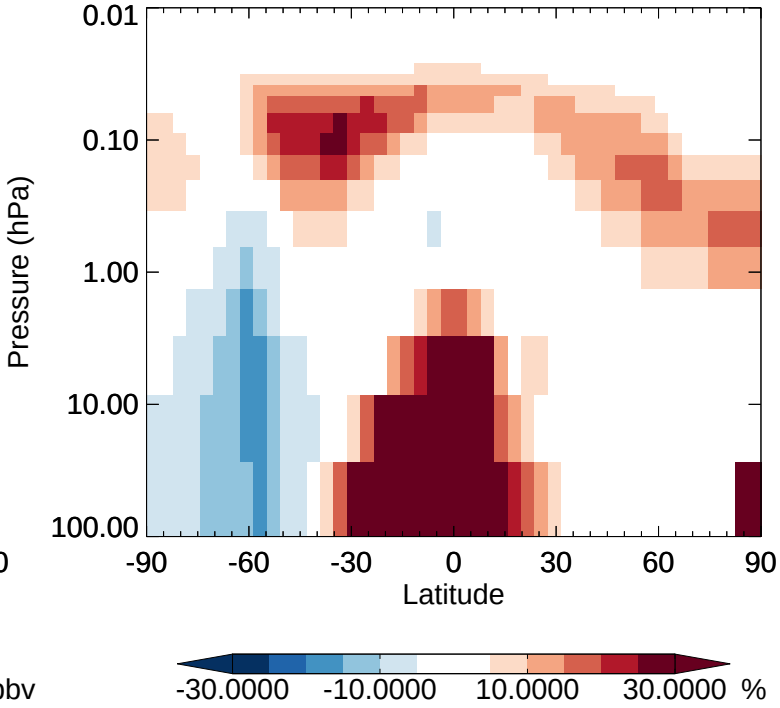
v11-02d - v11-02a

MTPO - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

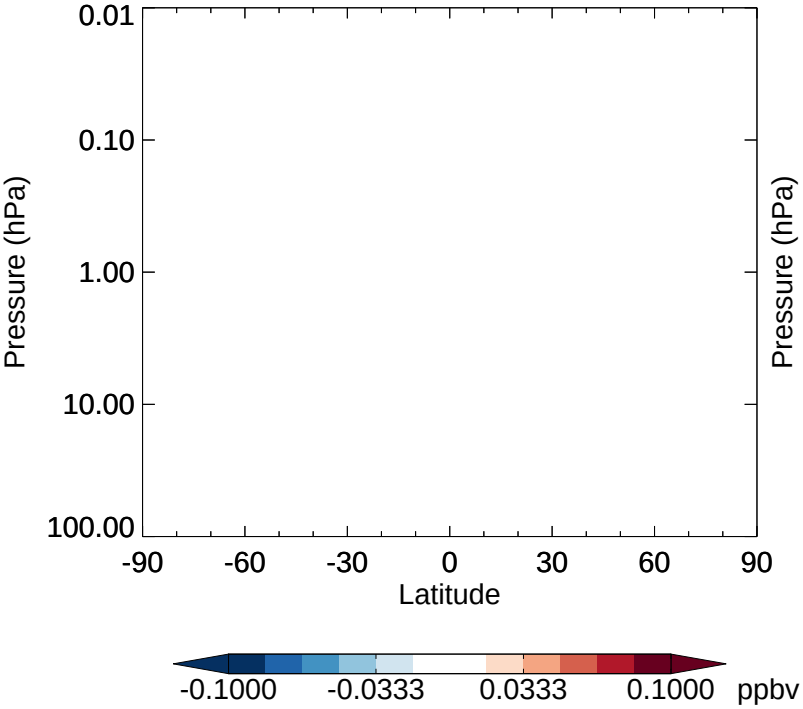
MTPO - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

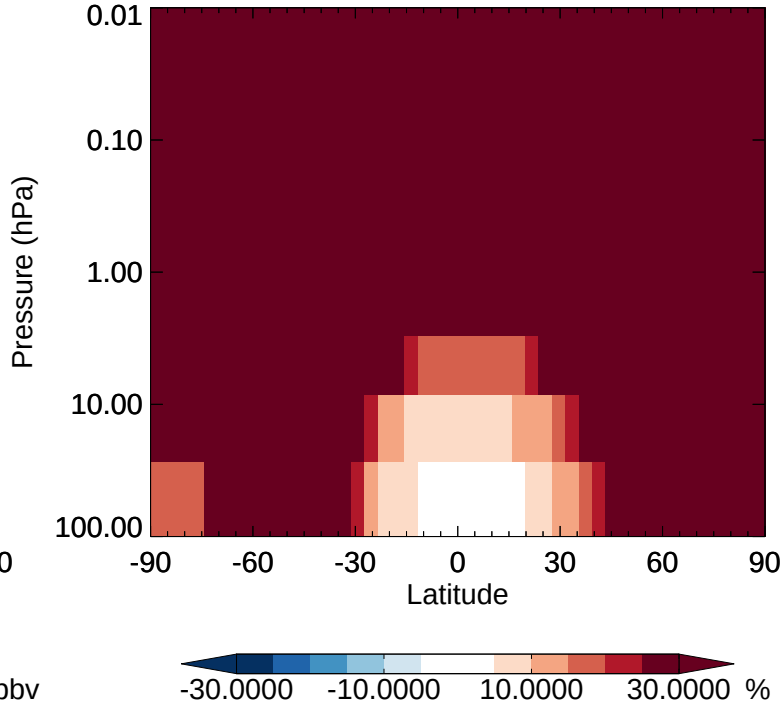
v11-02d - v11-02c

TSOG1 - Strat zonal mean abs diff for Jul



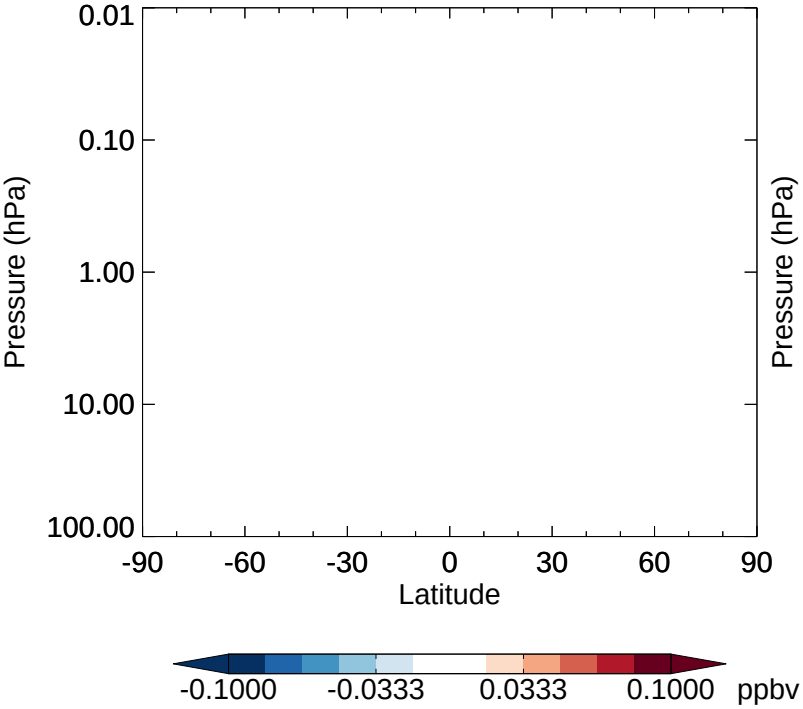
v11-02d / v11-02c

TSOG1 - Strat zonal mean % diff for Jul



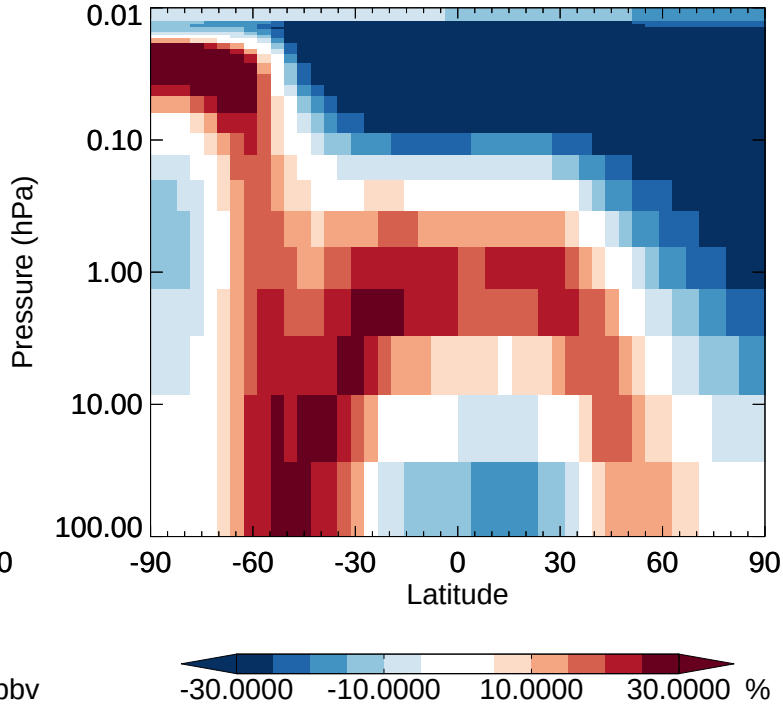
v11-02d - v11-02a

TSOG1 - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

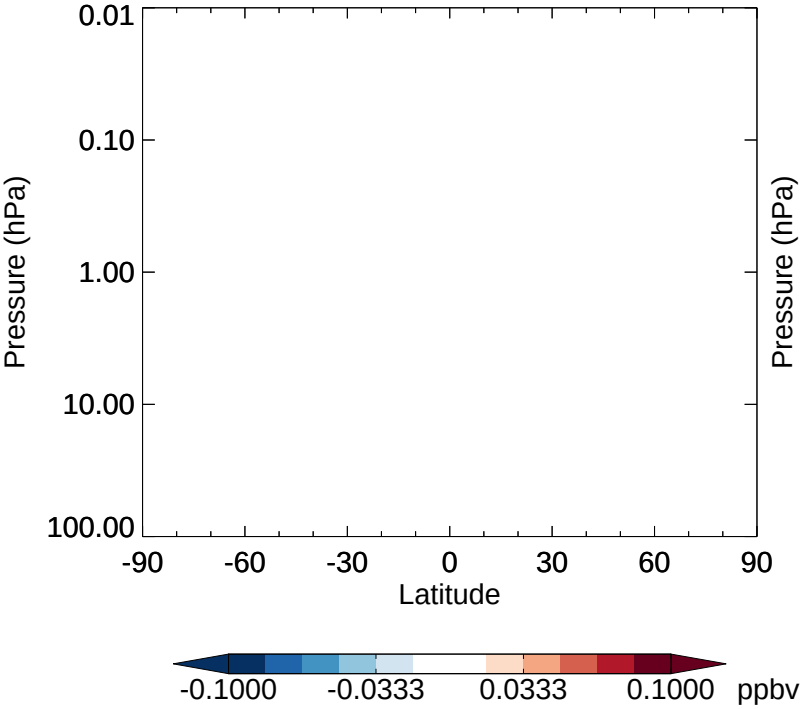
TSOG1 - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

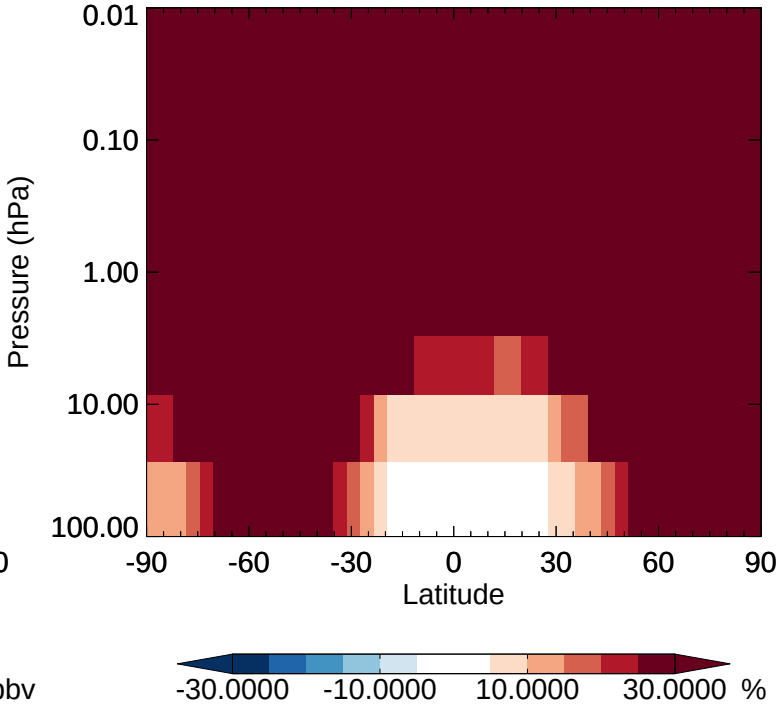
v11-02d - v11-02c

TSOG2 - Strat zonal mean abs diff for Jul



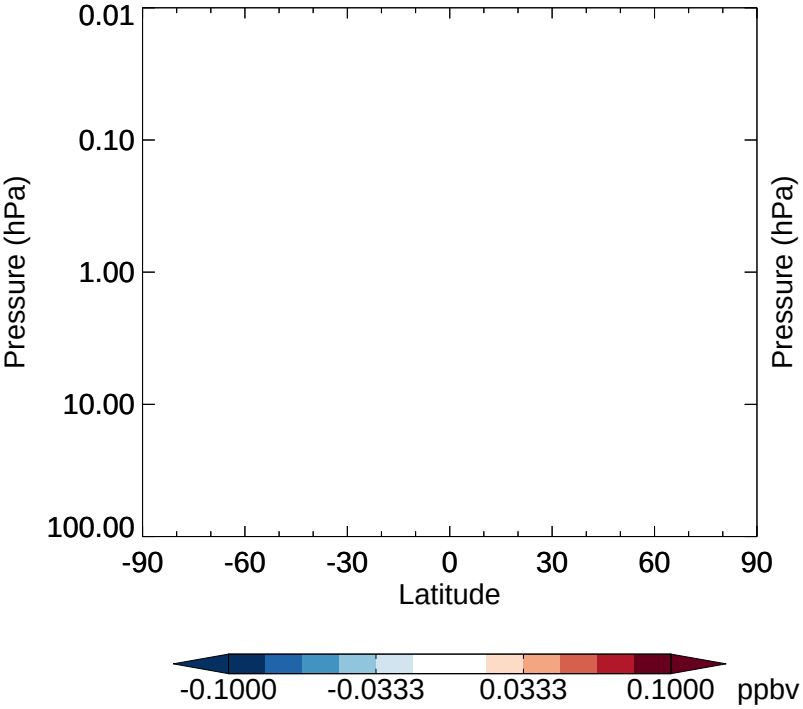
v11-02d / v11-02c

TSOG2 - Strat zonal mean % diff for Jul



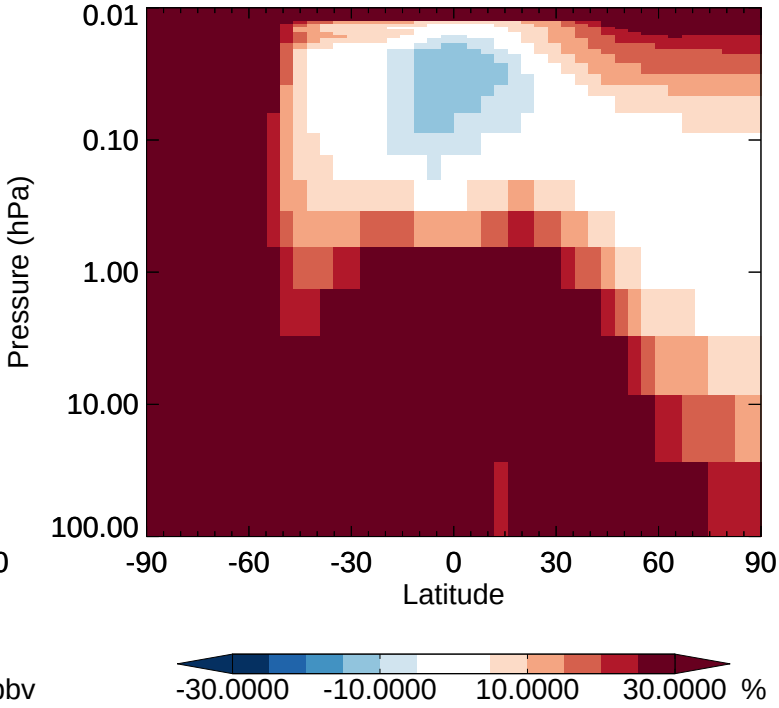
v11-02d - v11-02a

TSOG2 - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

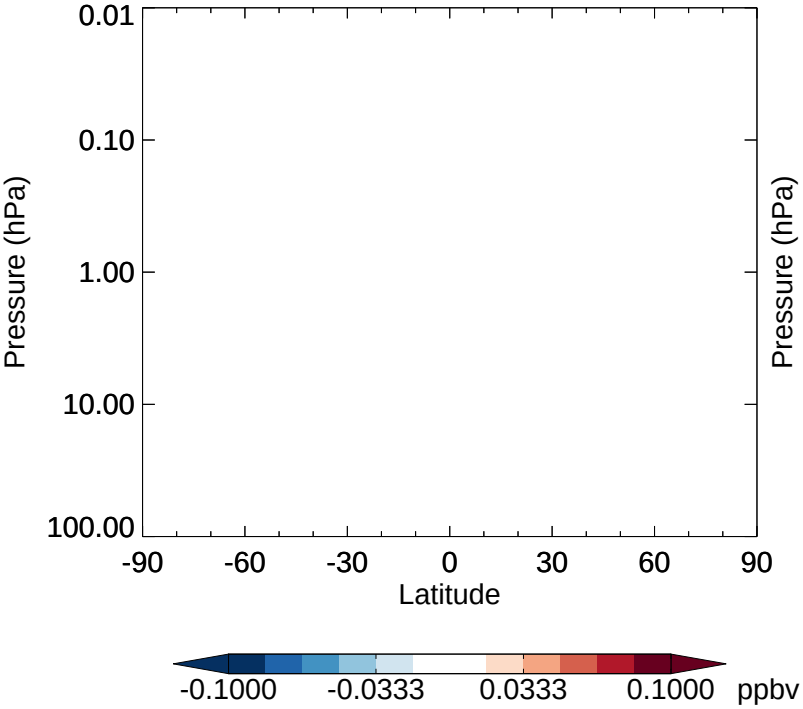
TSOG2 - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

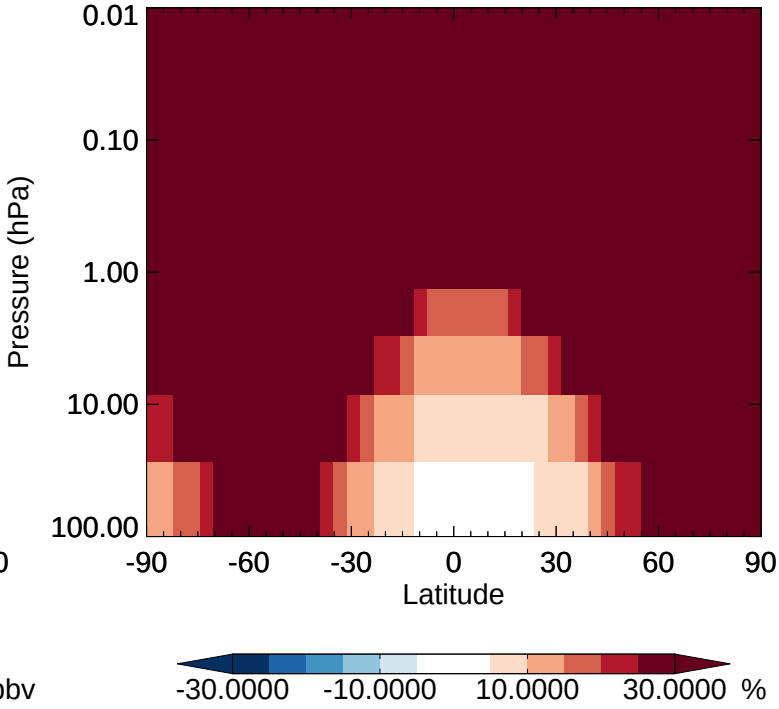
v11-02d - v11-02c

TSOG3 - Strat zonal mean abs diff for Jul



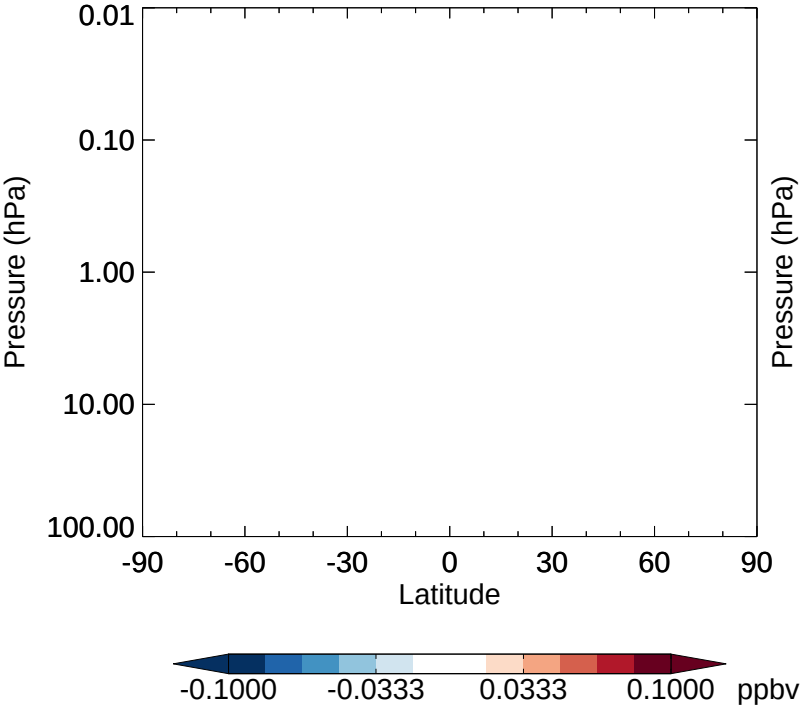
v11-02d / v11-02c

TSOG3 - Strat zonal mean % diff for Jul



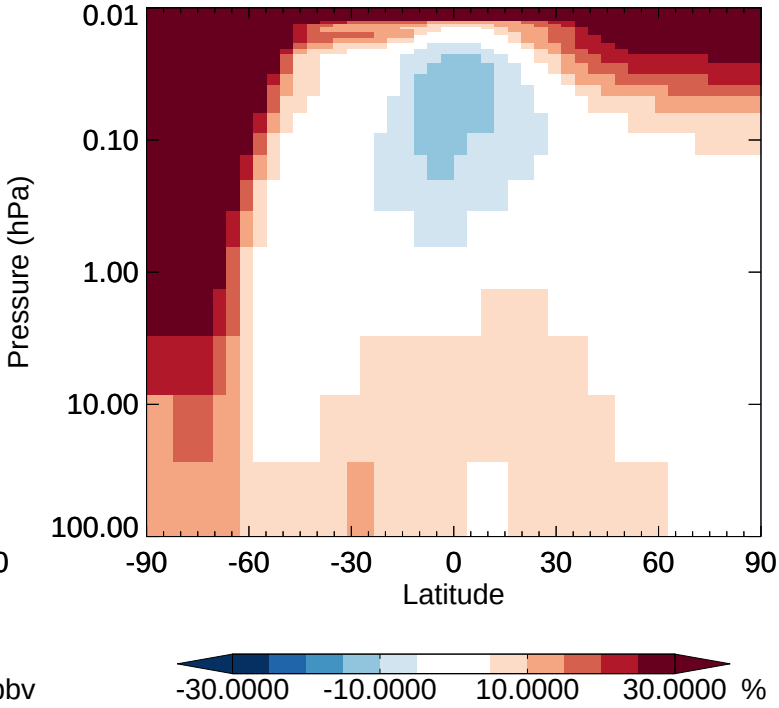
v11-02d - v11-02a

TSOG3 - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

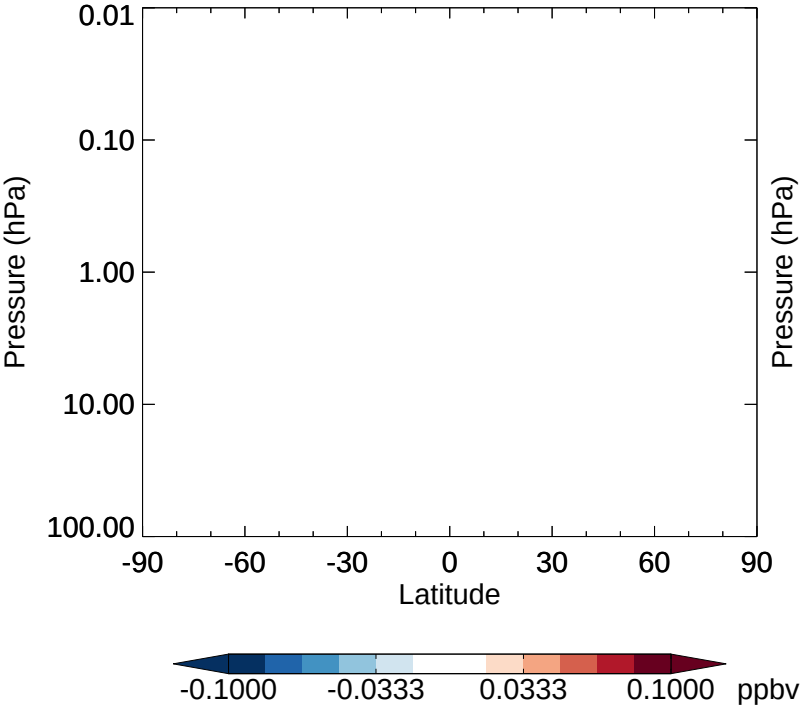
TSOG3 - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

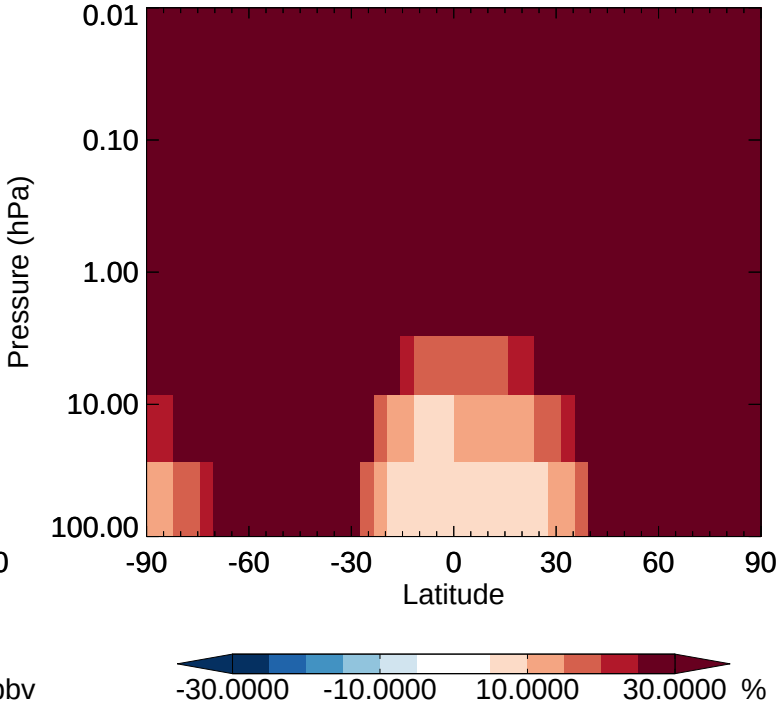
v11-02d - v11-02c

TSOG0 - Strat zonal mean abs diff for Jul



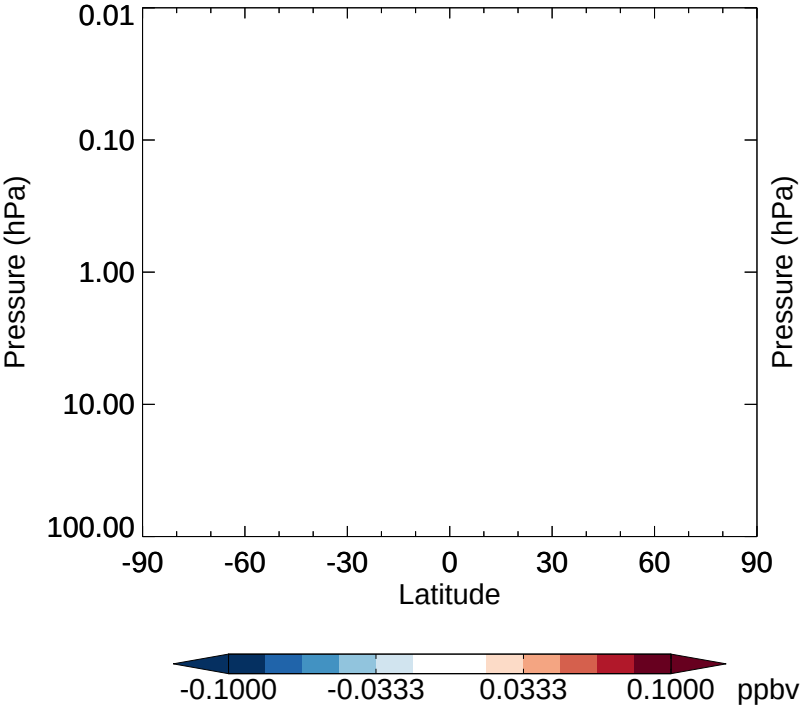
v11-02d / v11-02c

TSOG0 - Strat zonal mean % diff for Jul



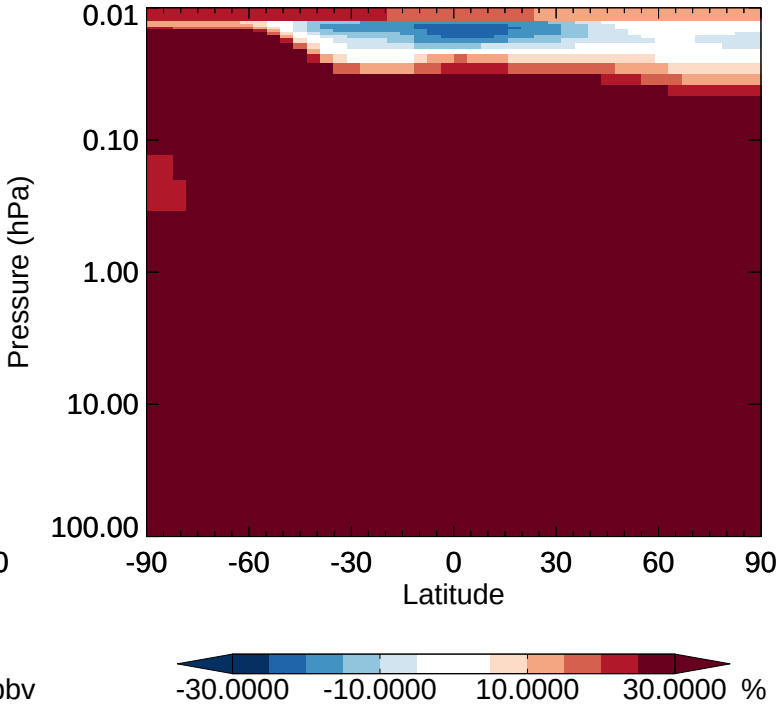
v11-02d - v11-02a

TSOG0 - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

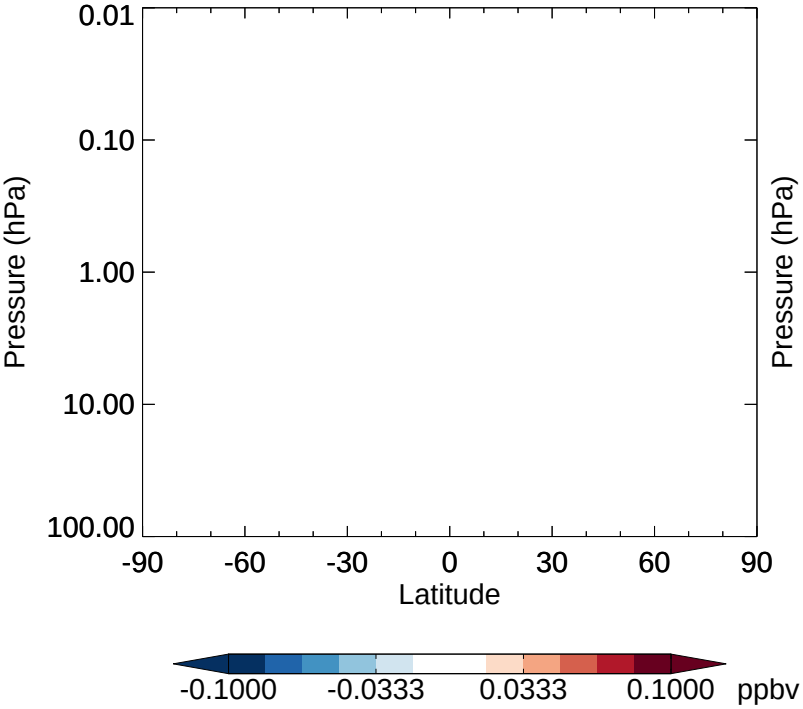
TSOG0 - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

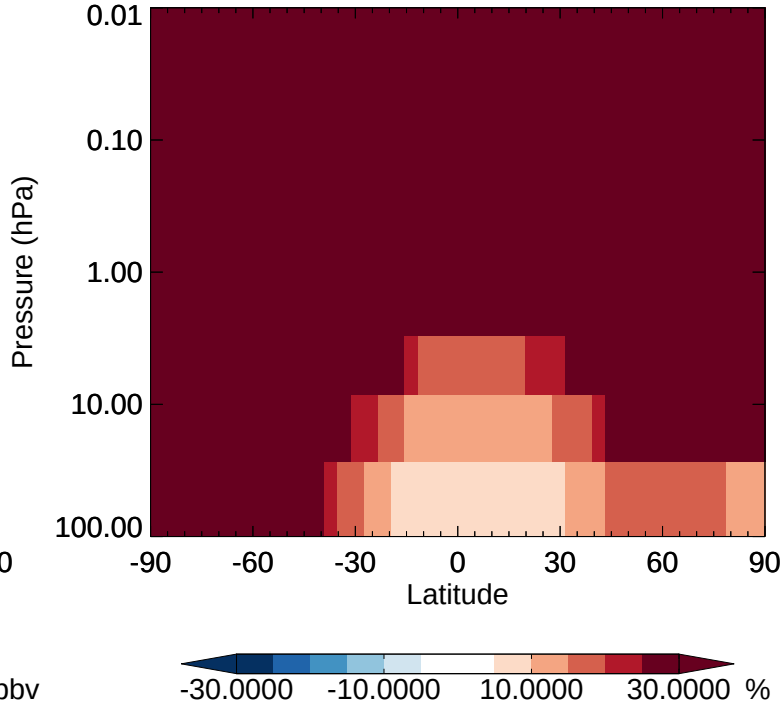
v11-02d - v11-02c

TSOA1 - Strat zonal mean abs diff for Jul



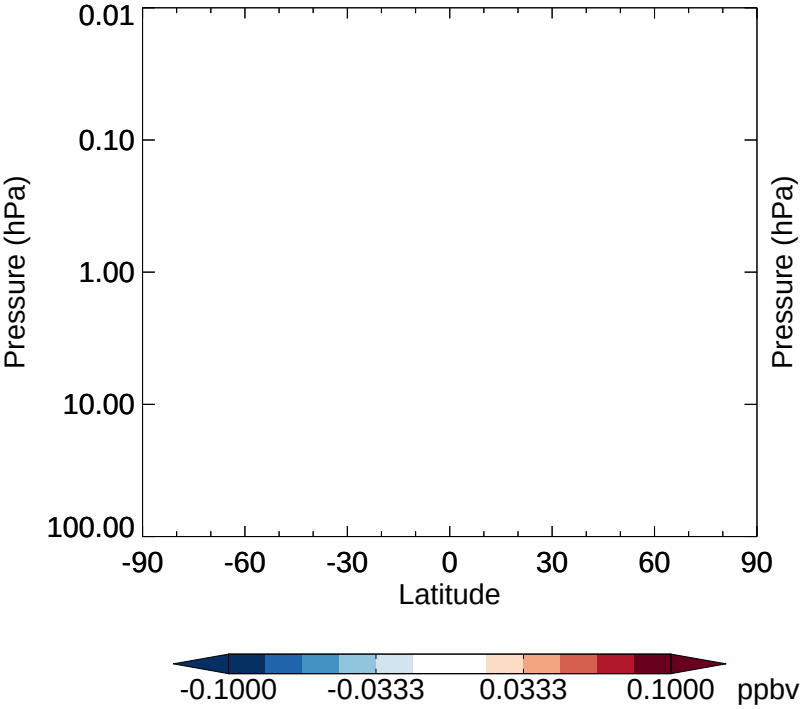
v11-02d / v11-02c

TSOA1 - Strat zonal mean % diff for Jul



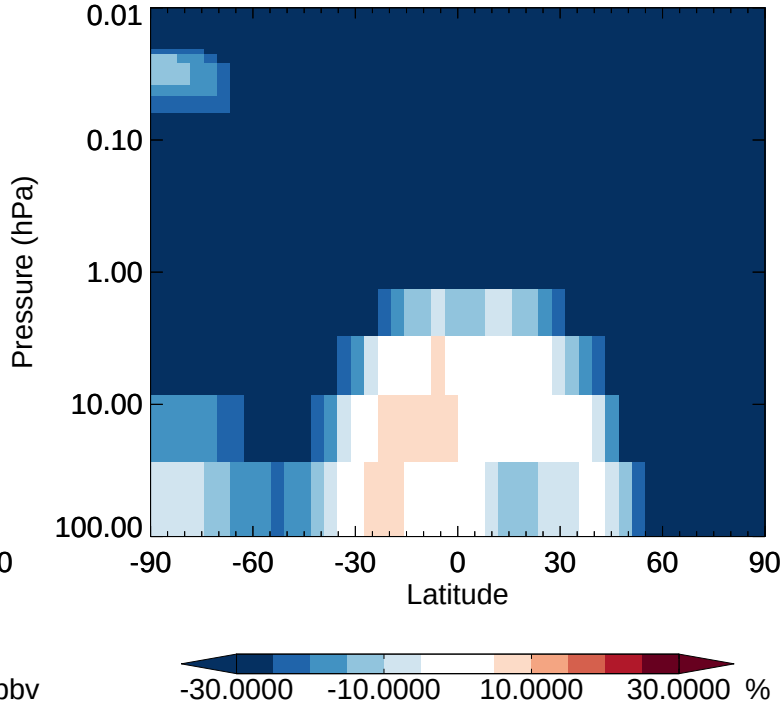
v11-02d - v11-02a

TSOA1 - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

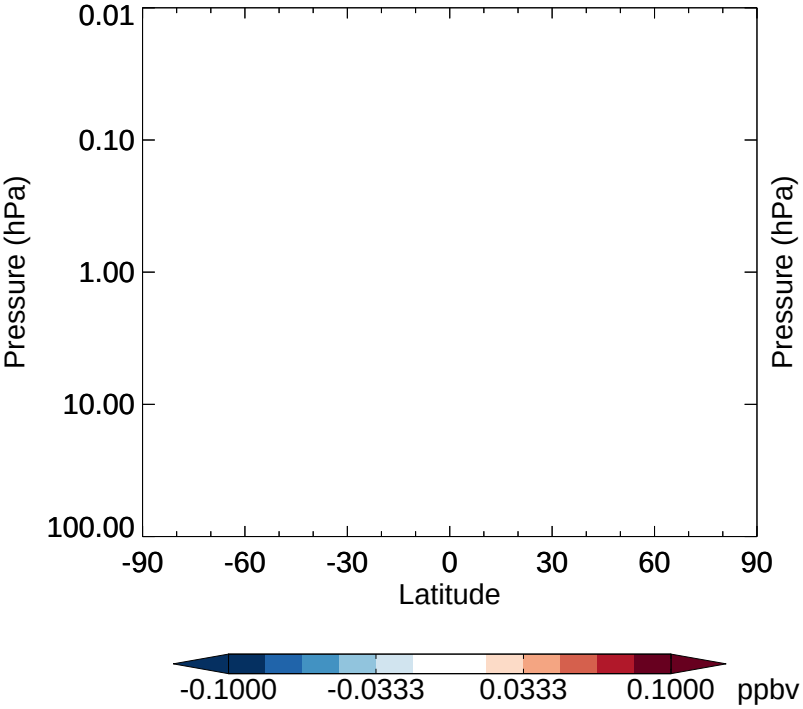
TSOA1 - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

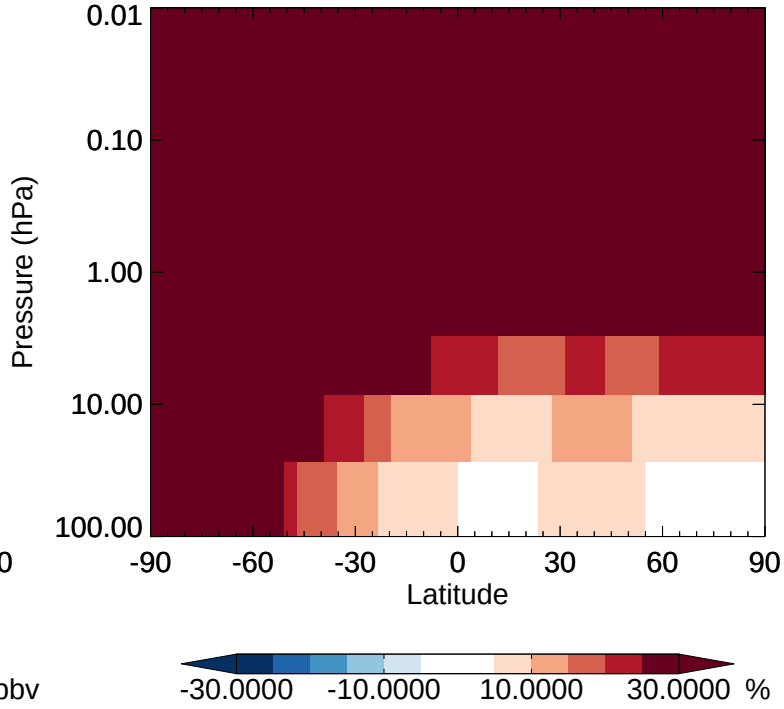
v11-02d - v11-02c

TSOA2 - Strat zonal mean abs diff for Jul



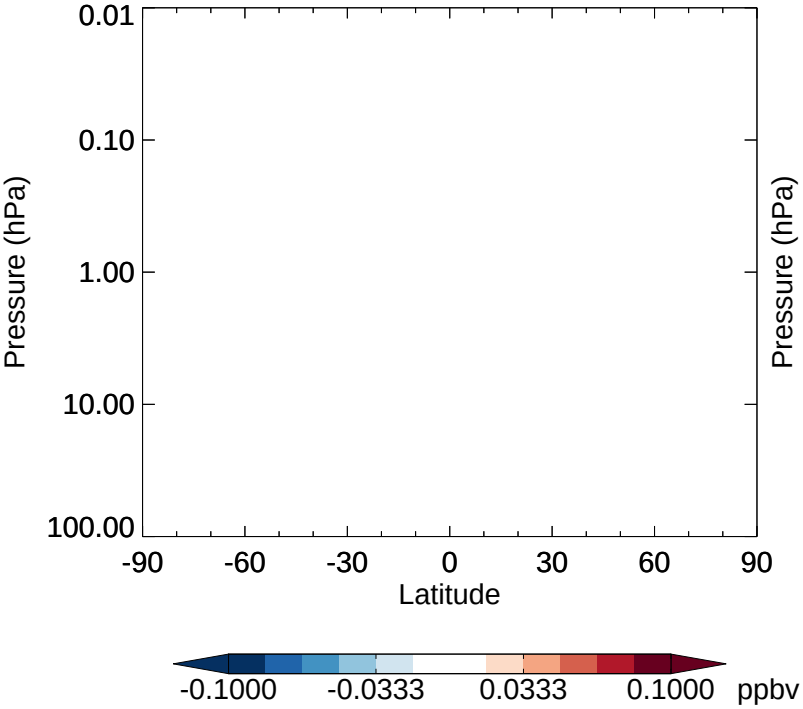
v11-02d / v11-02c

TSOA2 - Strat zonal mean % diff for Jul



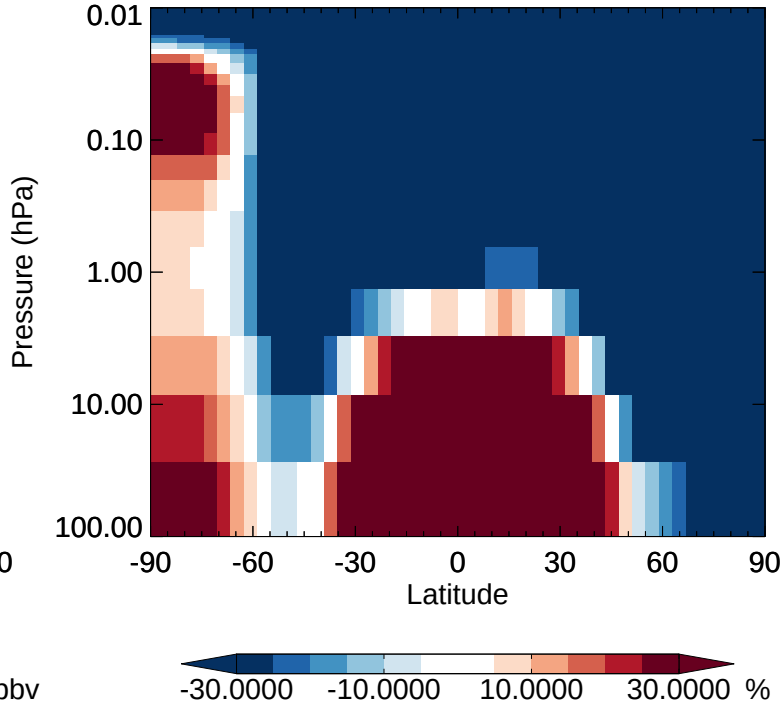
v11-02d - v11-02a

TSOA2 - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

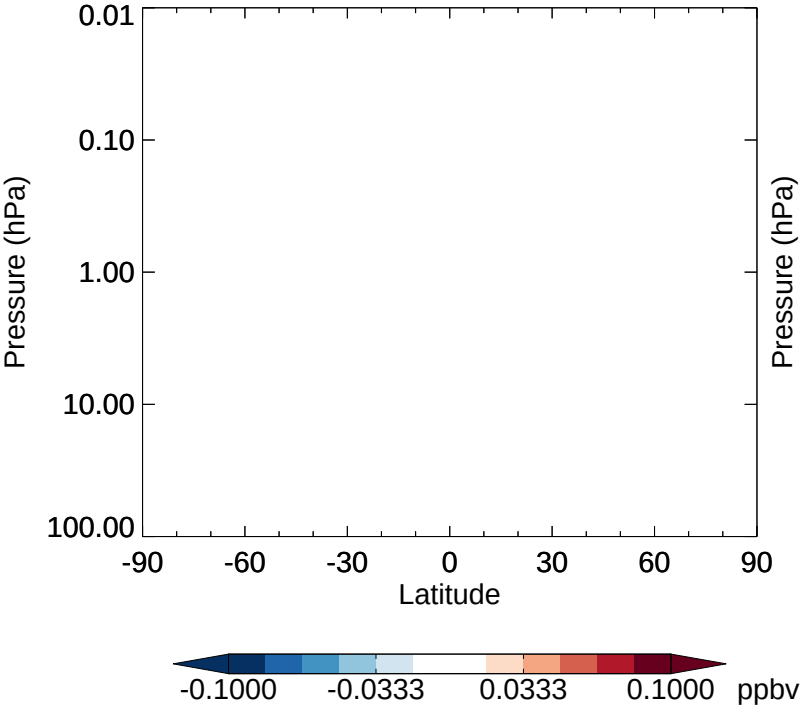
TSOA2 - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

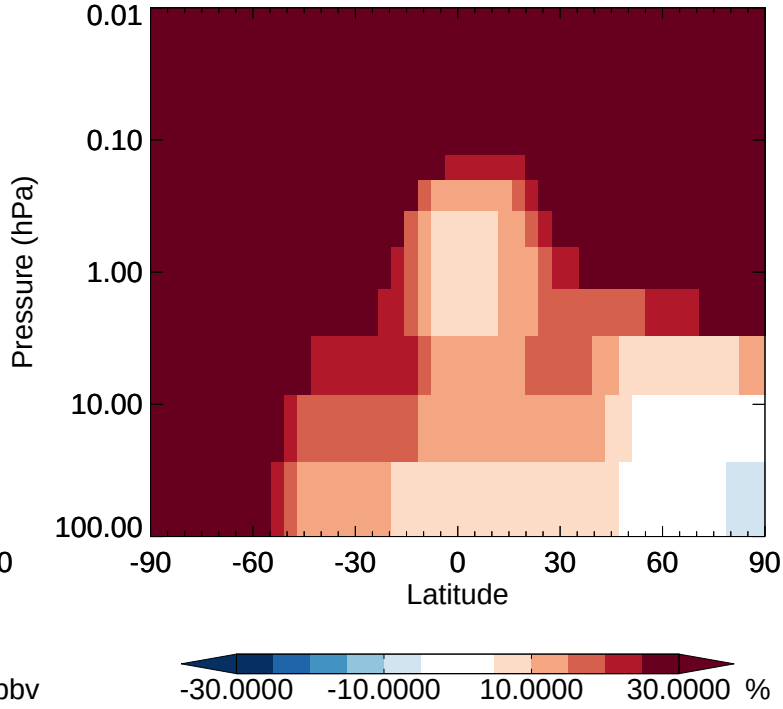
v11-02d - v11-02c

TSOA3 - Strat zonal mean abs diff for Jul



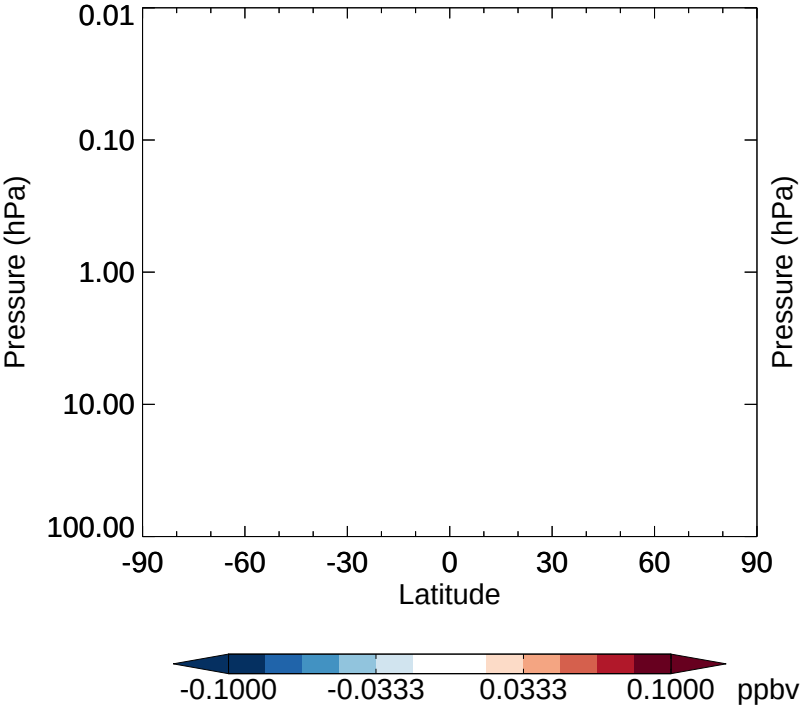
v11-02d / v11-02c

TSOA3 - Strat zonal mean % diff for Jul



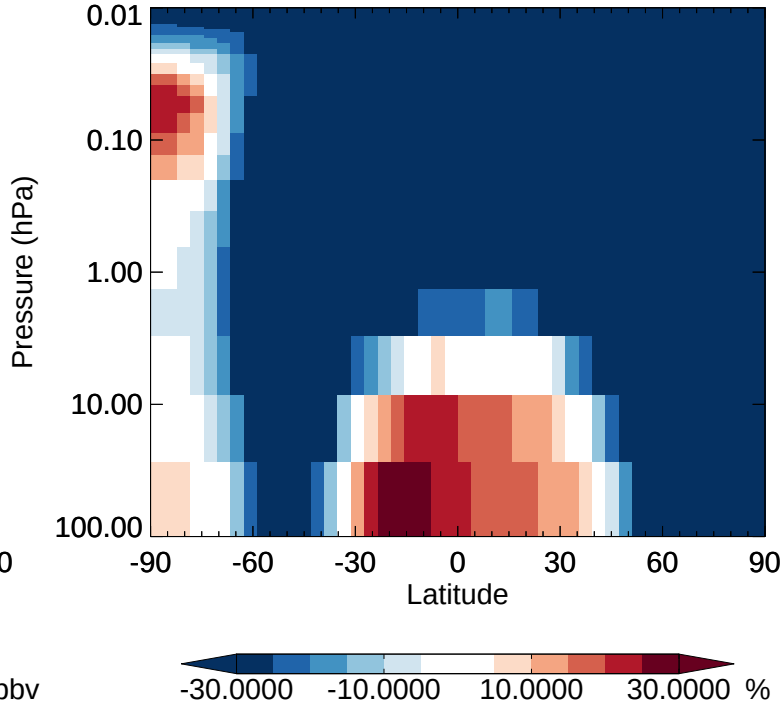
v11-02d - v11-02a

TSOA3 - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

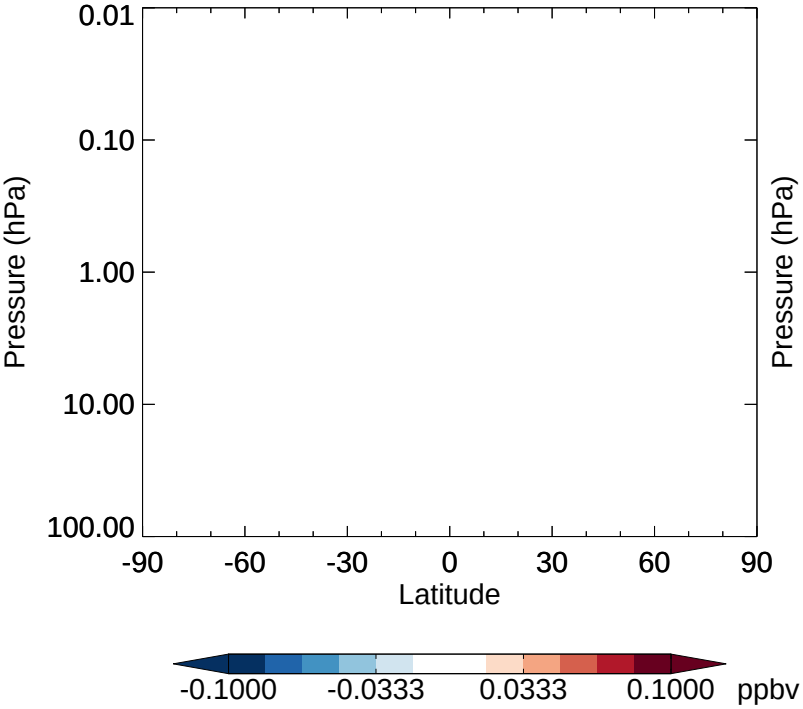
TSOA3 - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

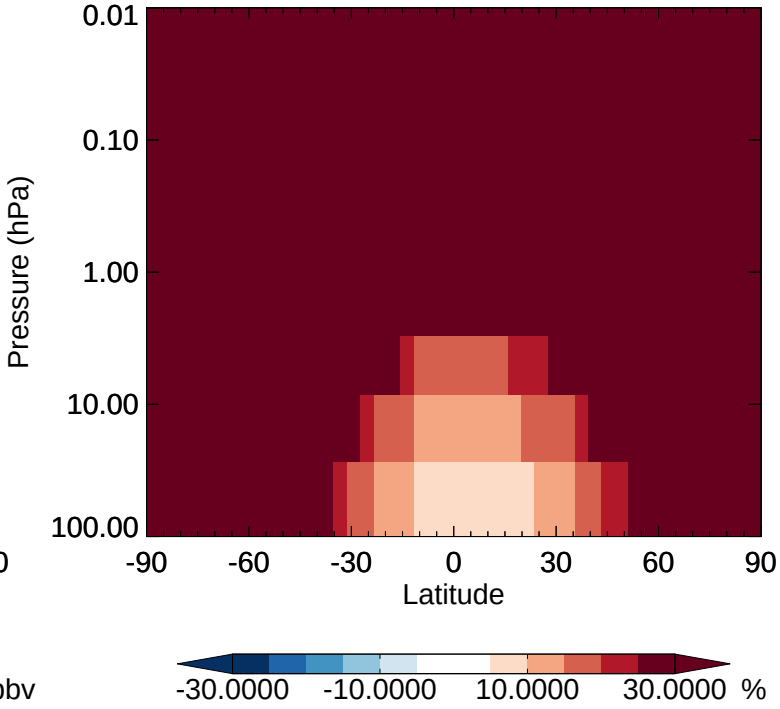
v11-02d - v11-02c

TSOA0 - Strat zonal mean abs diff for Jul



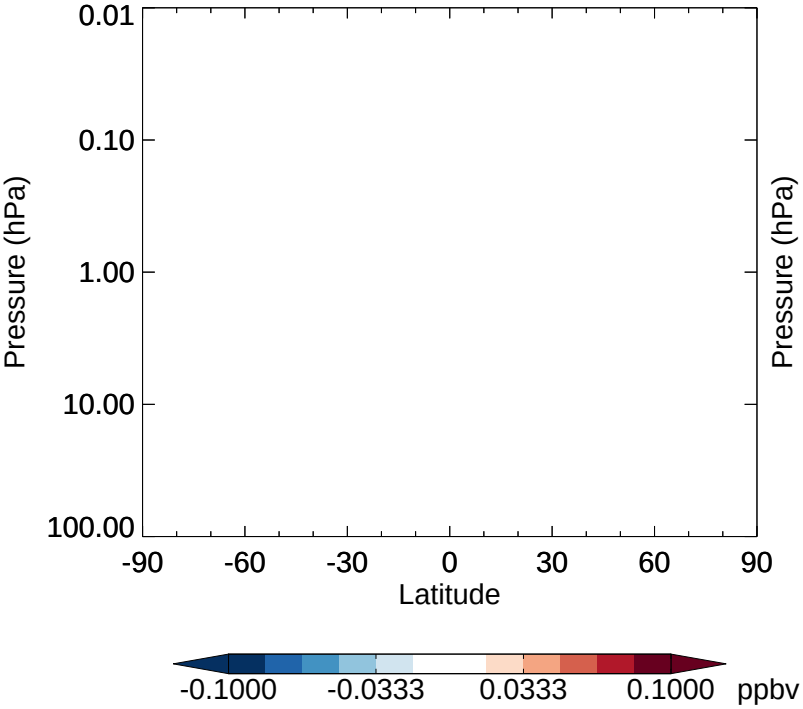
v11-02d / v11-02c

TSOA0 - Strat zonal mean % diff for Jul



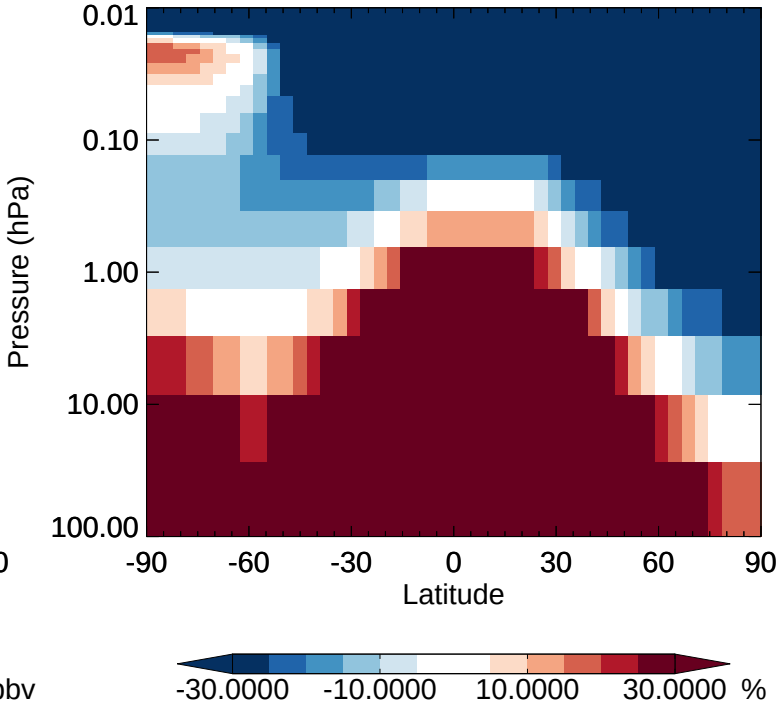
v11-02d - v11-02a

TSOA0 - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

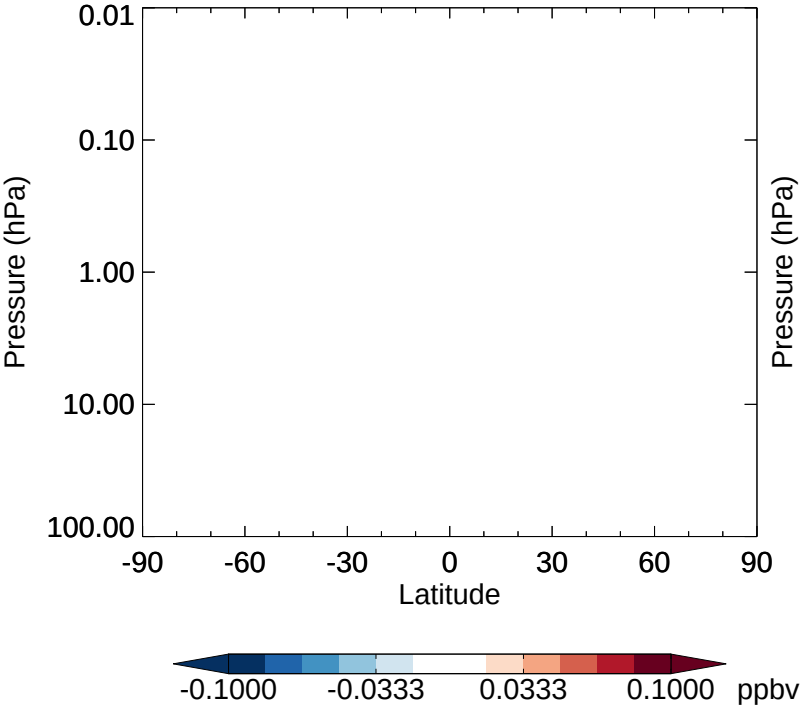
TSOA0 - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

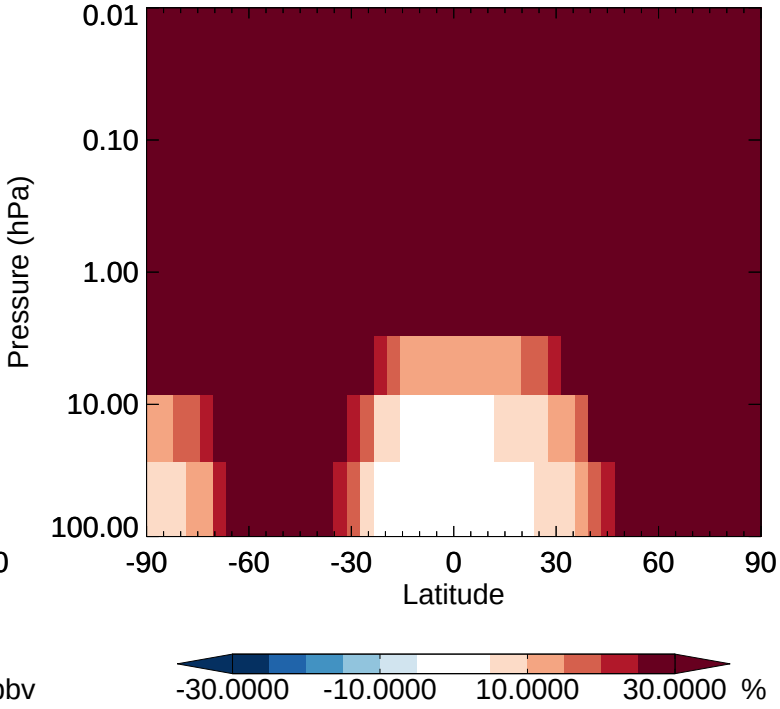
v11-02d - v11-02c

ISOG1 - Strat zonal mean abs diff for Jul



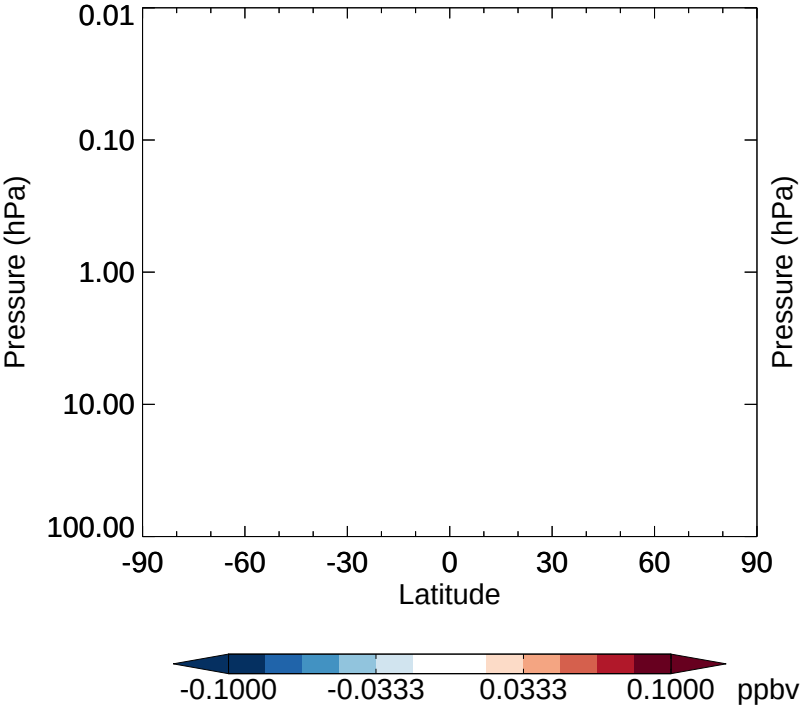
v11-02d / v11-02c

ISOG1 - Strat zonal mean % diff for Jul



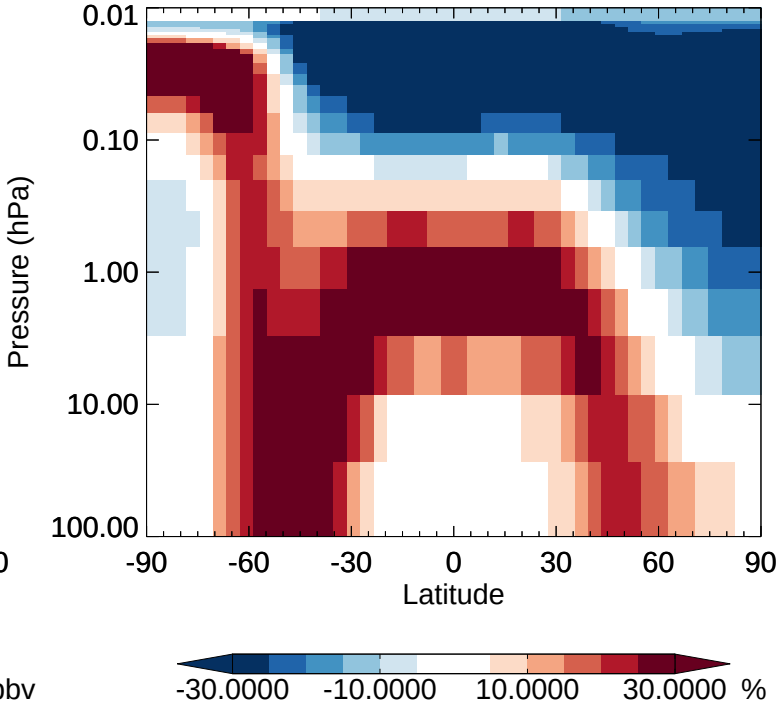
v11-02d - v11-02a

ISOG1 - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

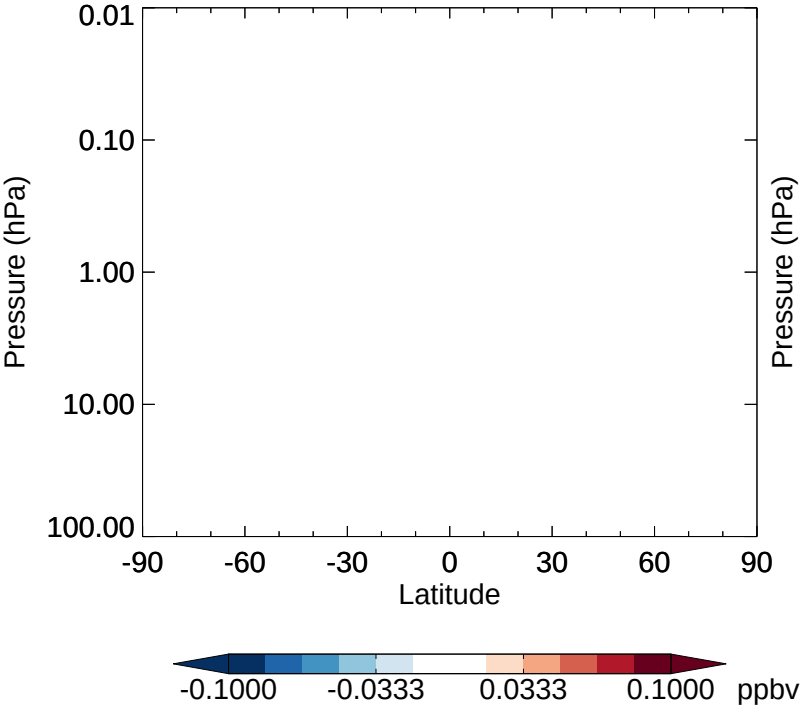
ISOG1 - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

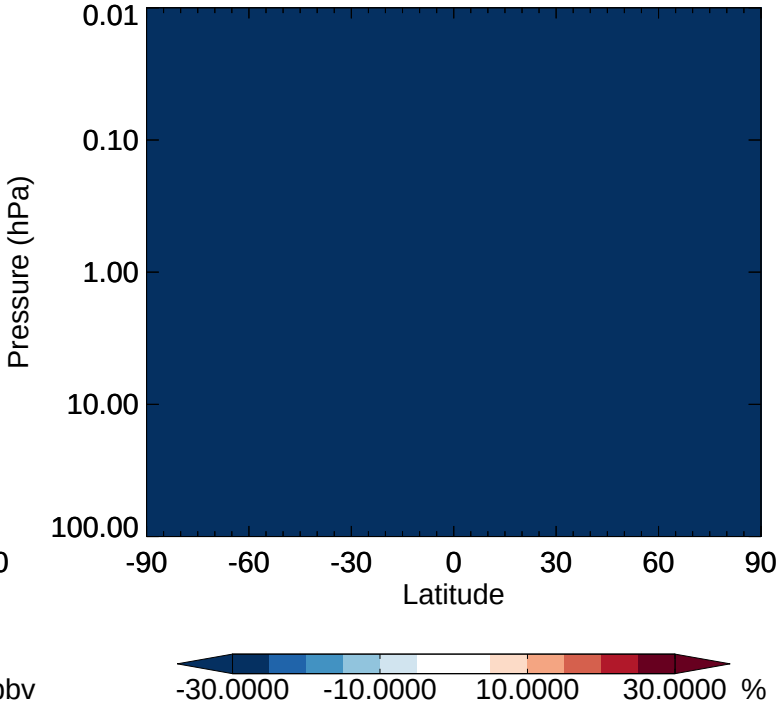
v11-02d - v11-02c

ISOG2 - Strat zonal mean abs diff for Jul



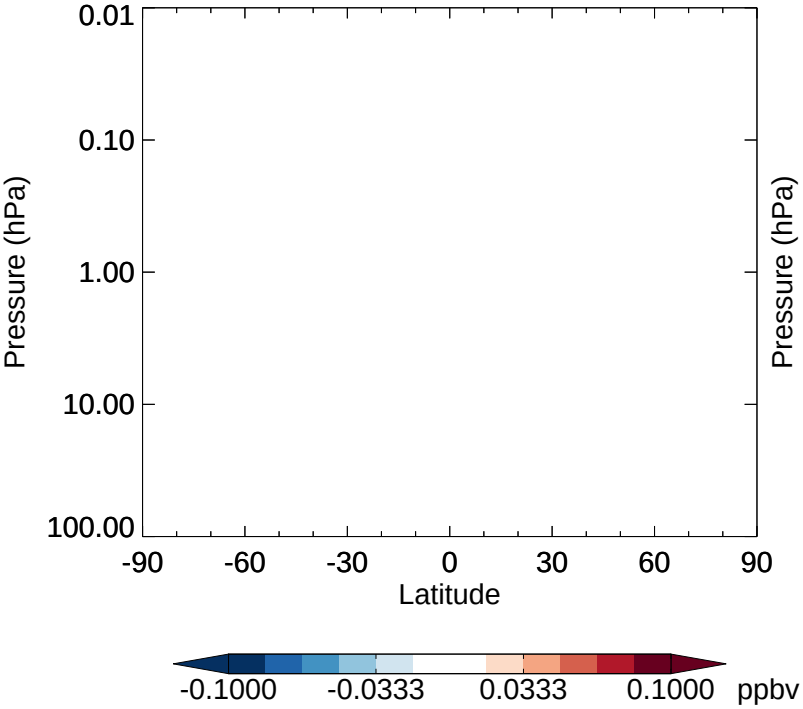
v11-02d / v11-02c

ISOG2 - Strat zonal mean % diff for Jul



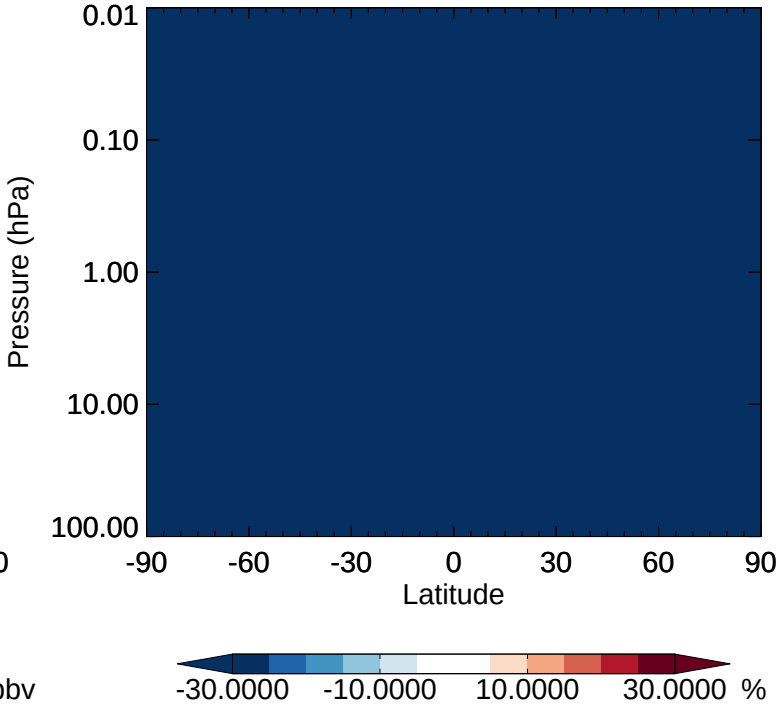
v11-02d - v11-02a

ISOG2 - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

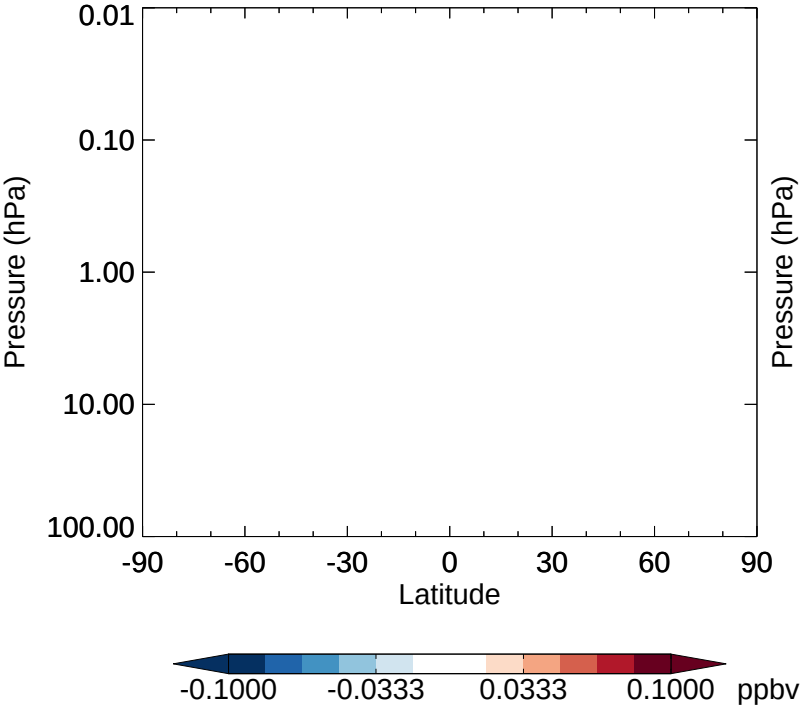
ISOG2 - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

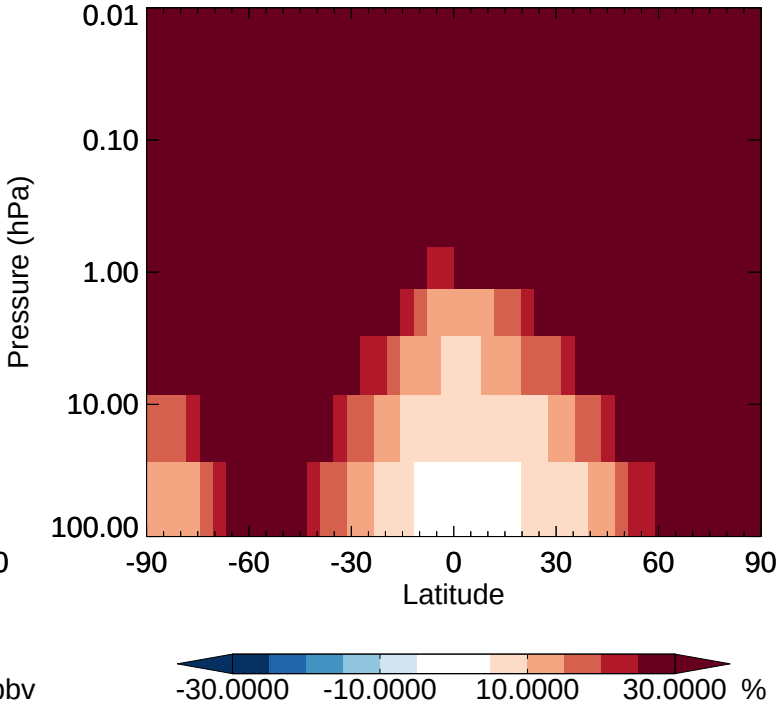
v11-02d - v11-02c

ISOG3 - Strat zonal mean abs diff for Jul



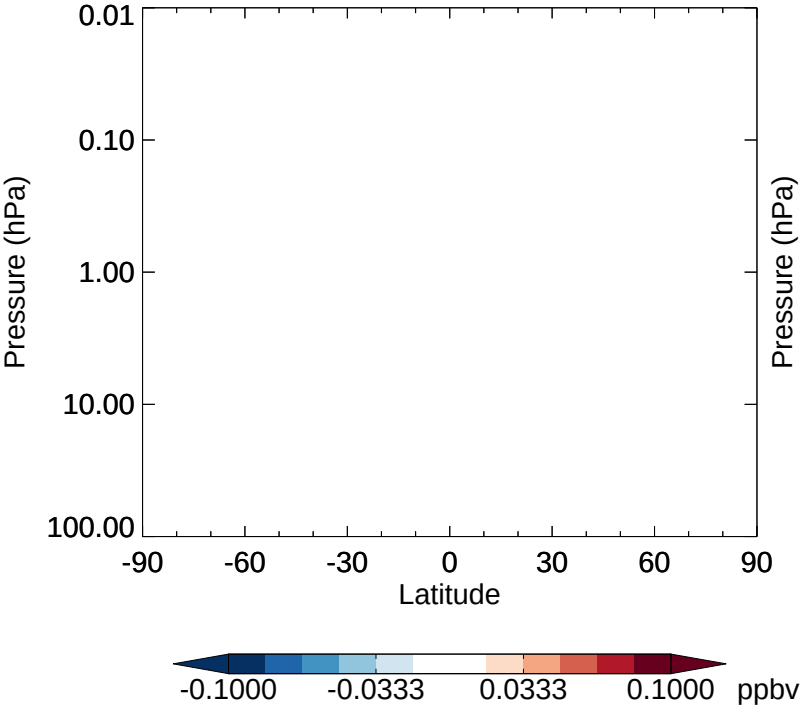
v11-02d / v11-02c

ISOG3 - Strat zonal mean % diff for Jul



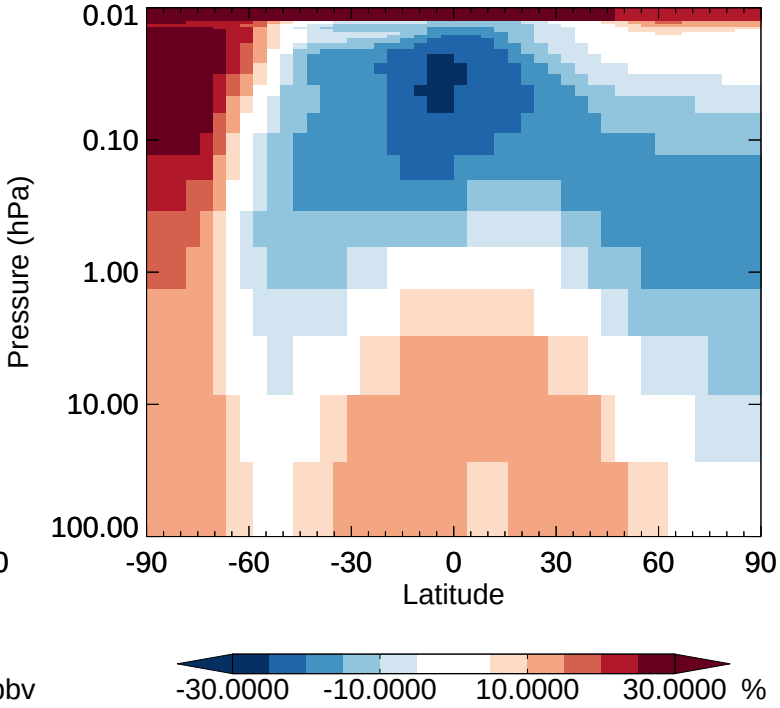
v11-02d - v11-02a

ISOG3 - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

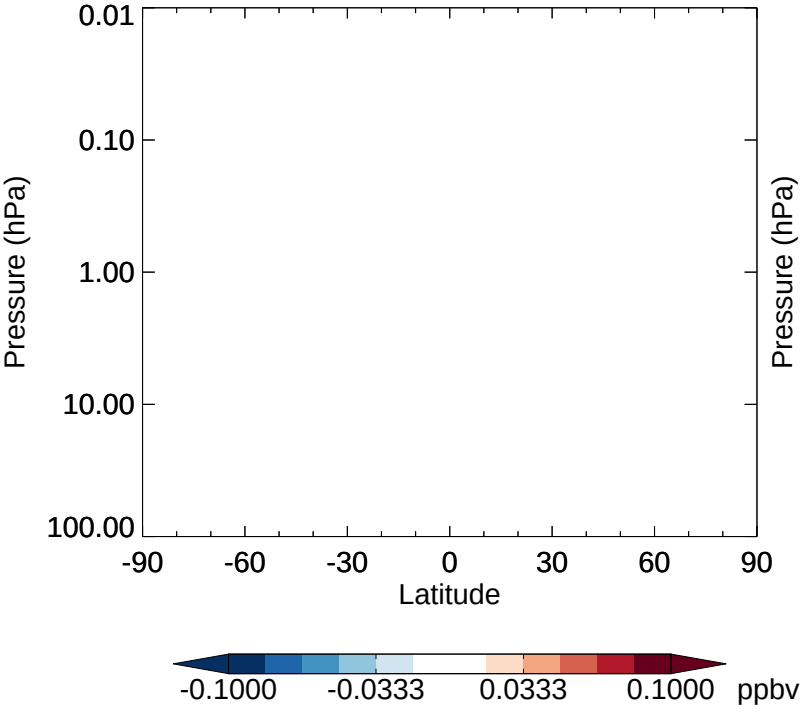
ISOG3 - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

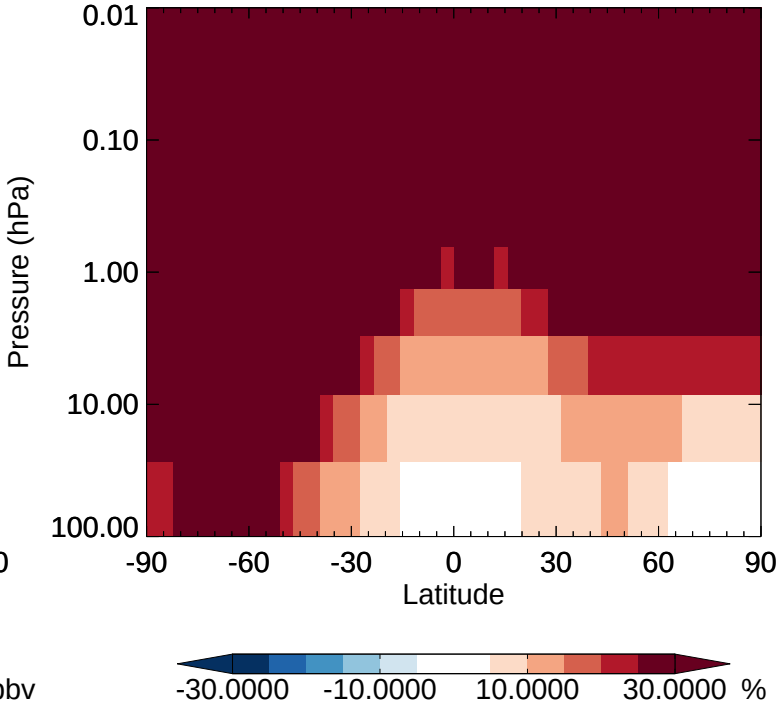
v11-02d - v11-02c

ISOA1 - Strat zonal mean abs diff for Jul



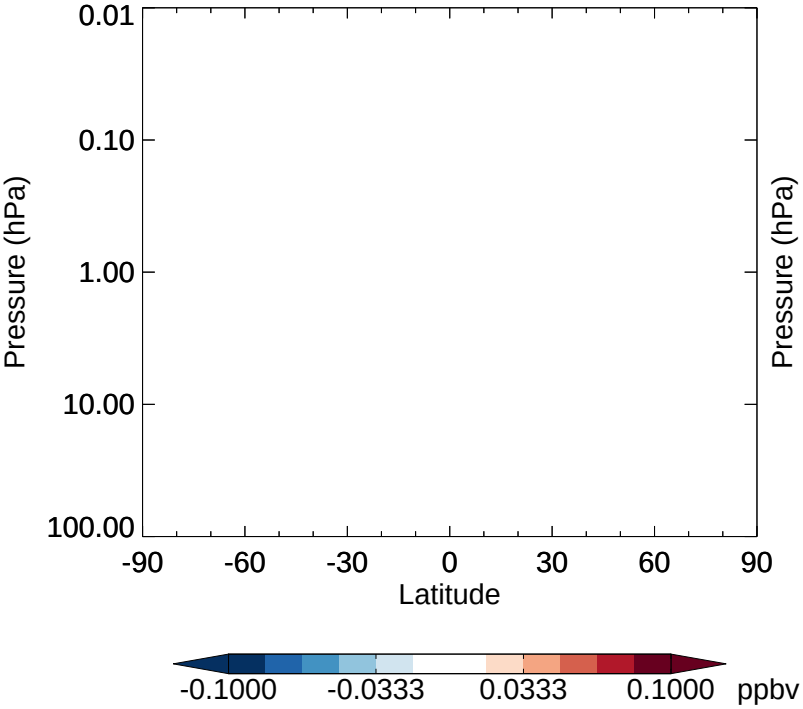
v11-02d / v11-02c

ISOA1 - Strat zonal mean % diff for Jul



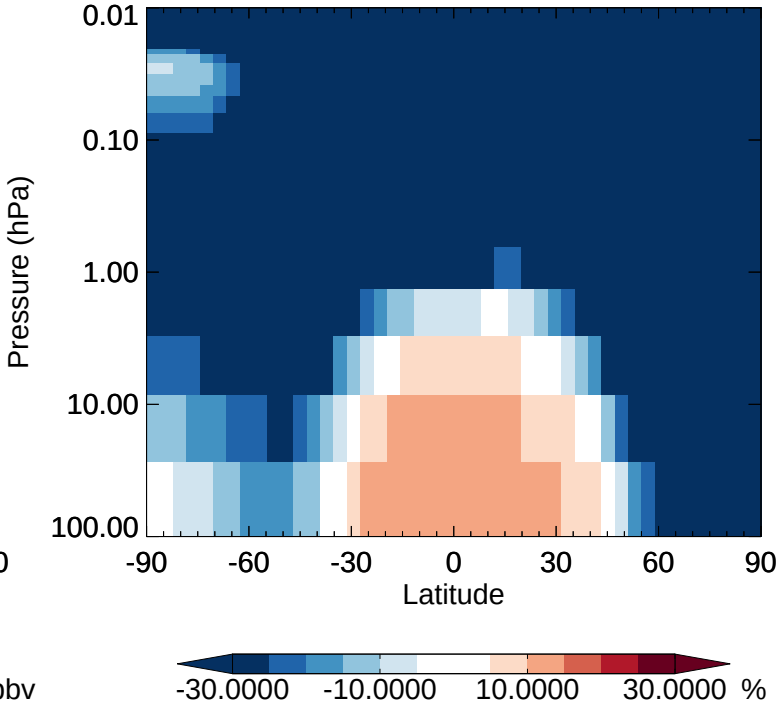
v11-02d - v11-02a

ISOA1 - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

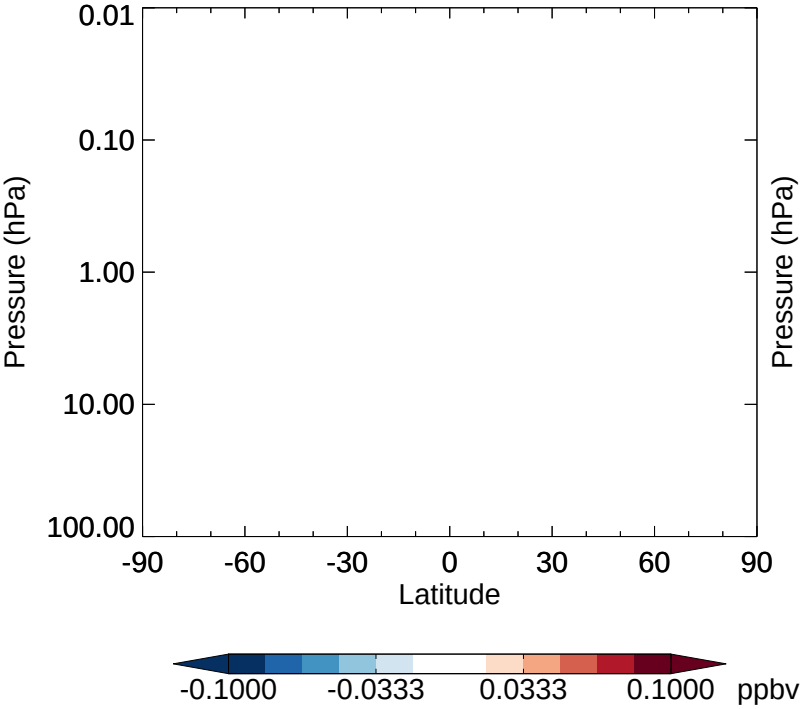
ISOA1 - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

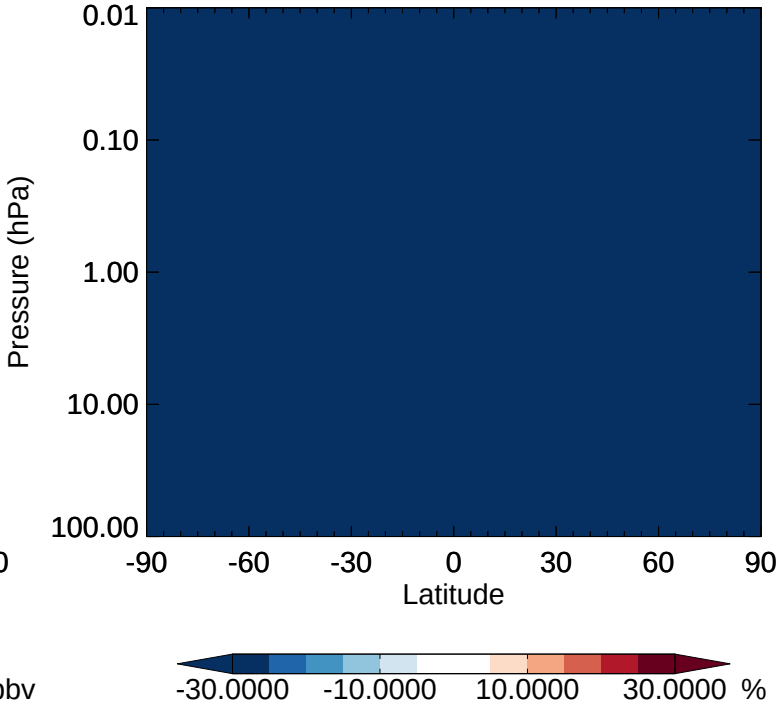
v11-02d - v11-02c

ISOA2 - Strat zonal mean abs diff for Jul



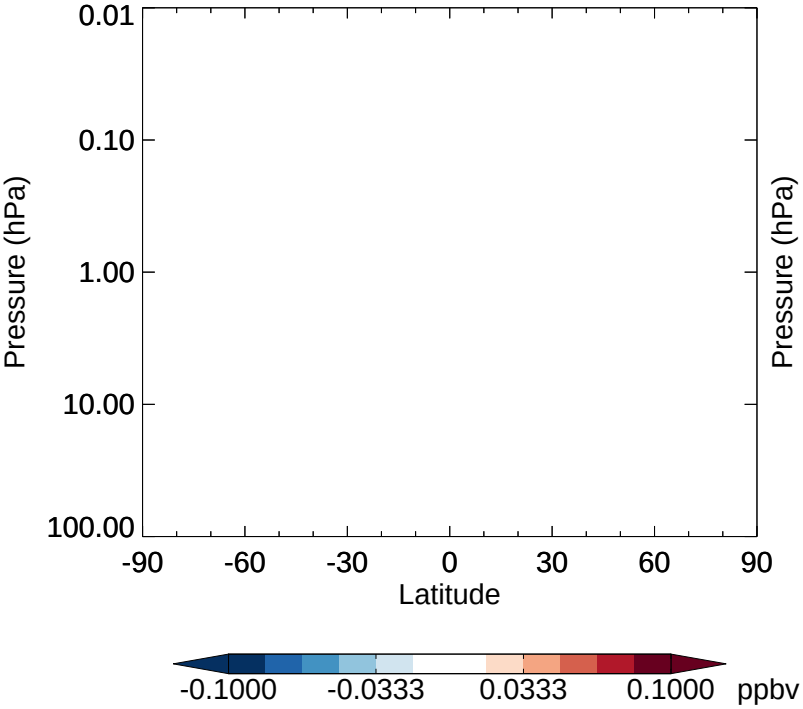
v11-02d / v11-02c

ISOA2 - Strat zonal mean % diff for Jul



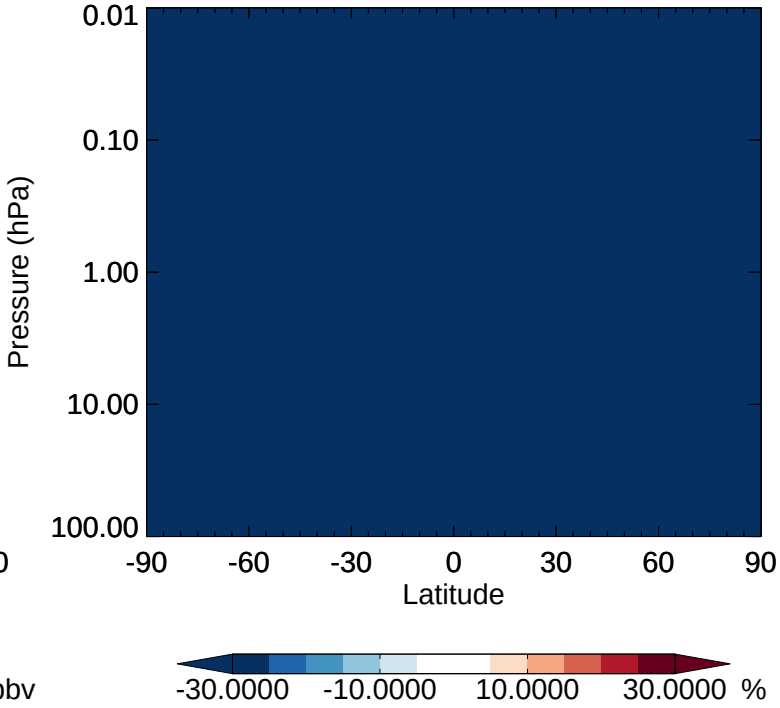
v11-02d - v11-02a

ISOA2 - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

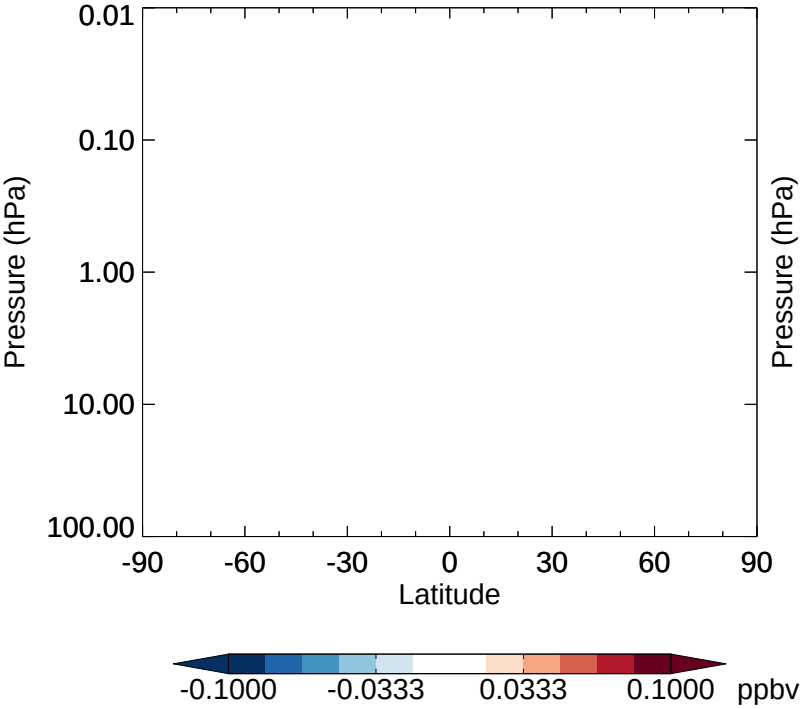
ISOA2 - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

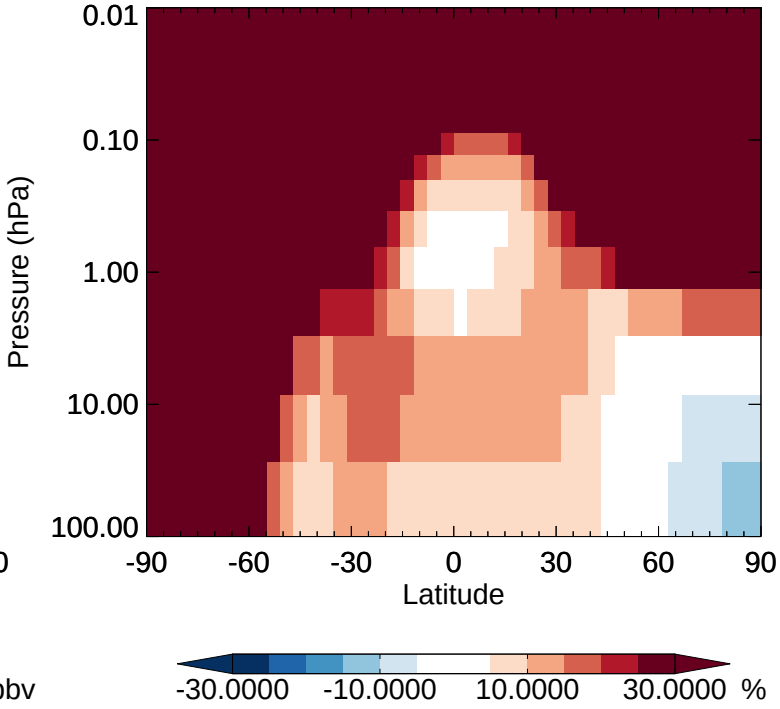
v11-02d - v11-02c

ISOA3 - Strat zonal mean abs diff for Jul



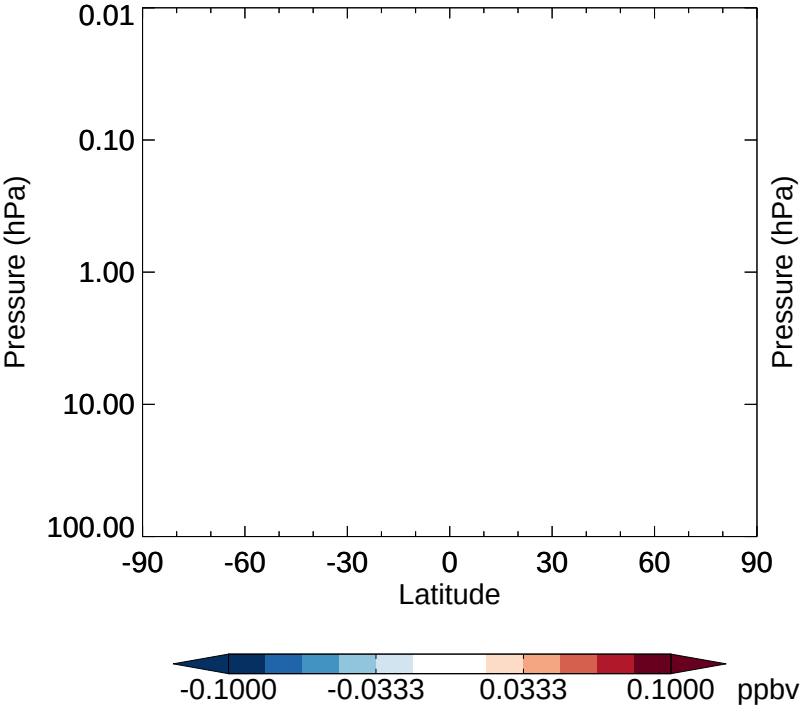
v11-02d / v11-02c

ISOA3 - Strat zonal mean % diff for Jul



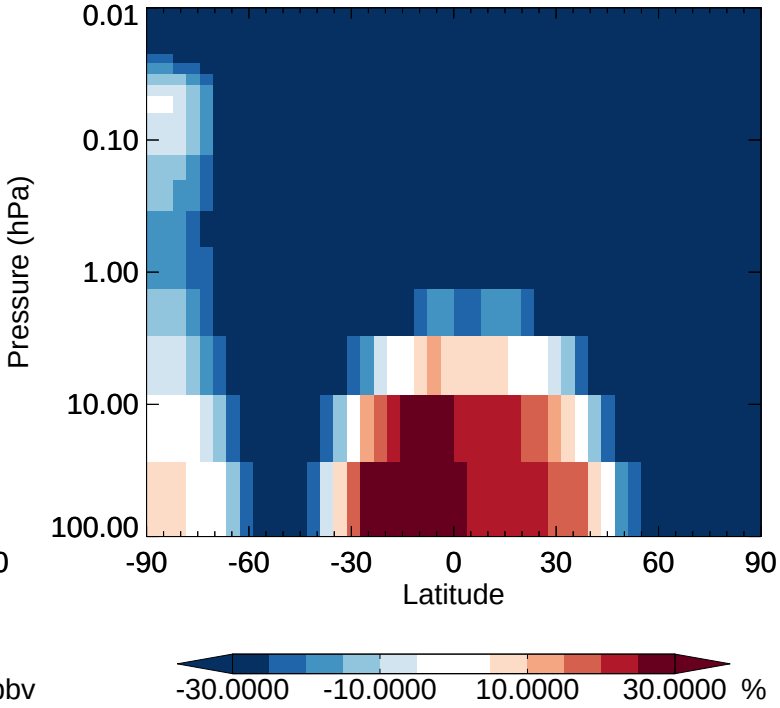
v11-02d - v11-02a

ISOA3 - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

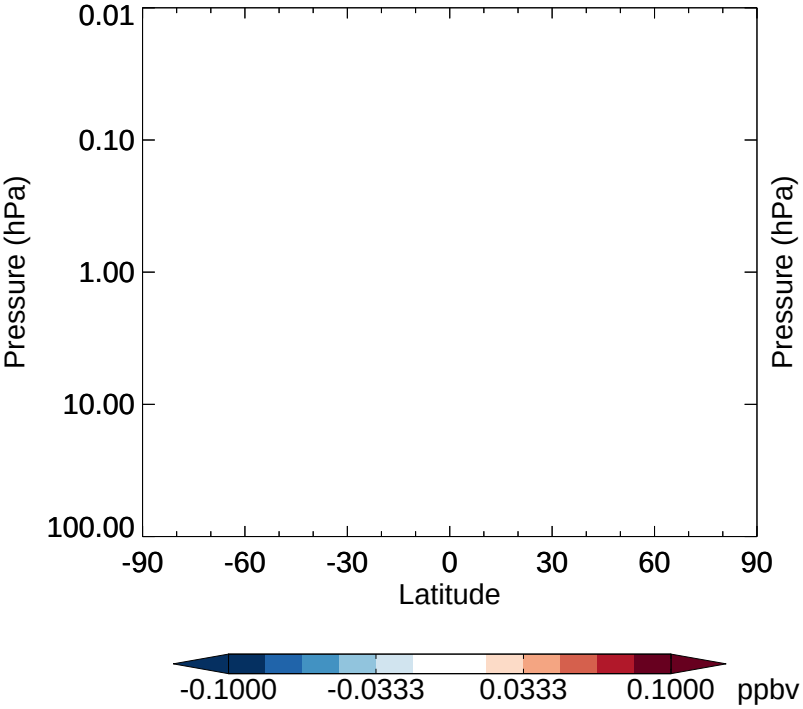
ISOA3 - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

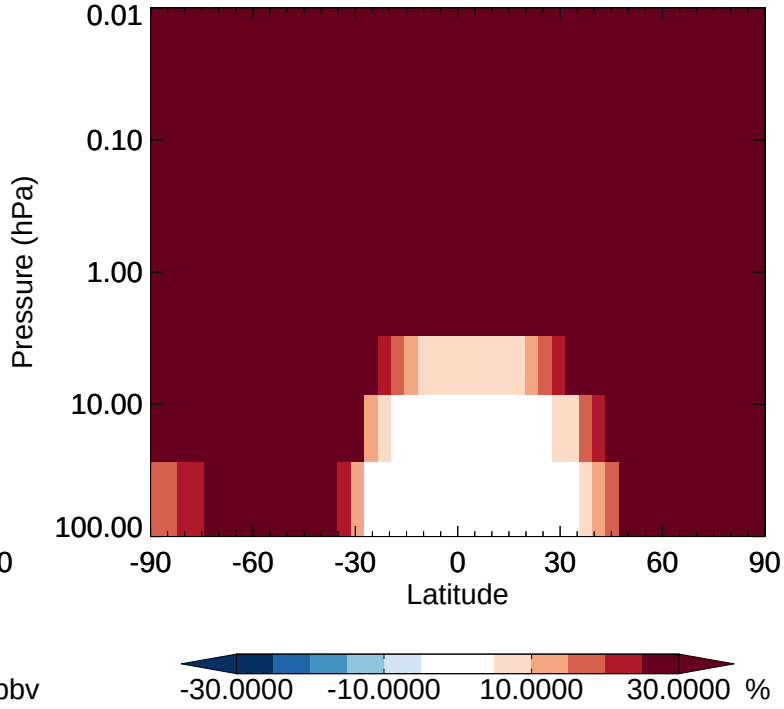
v11-02d - v11-02c

ASOG1 - Strat zonal mean abs diff for Jul



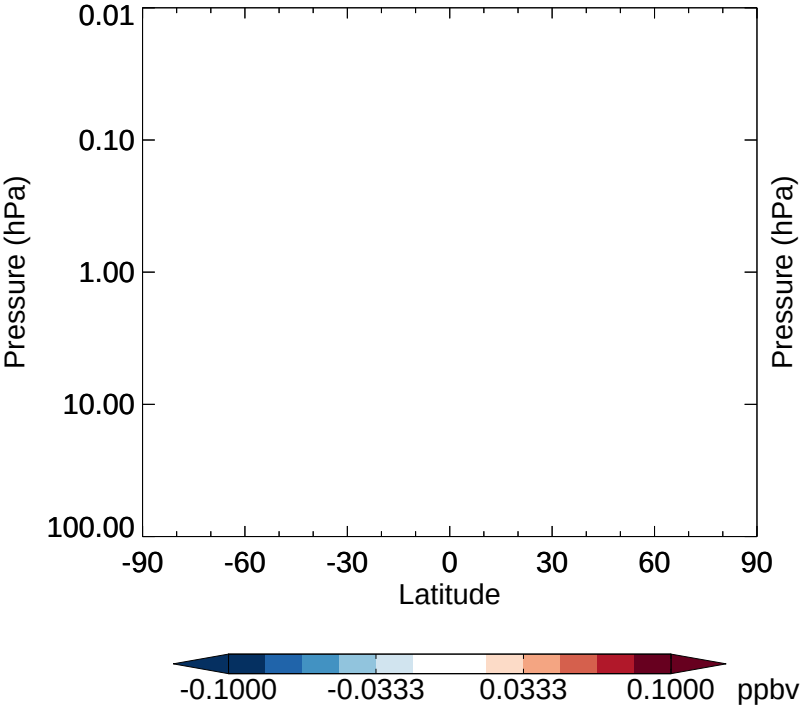
v11-02d / v11-02c

ASOG1 - Strat zonal mean % diff for Jul



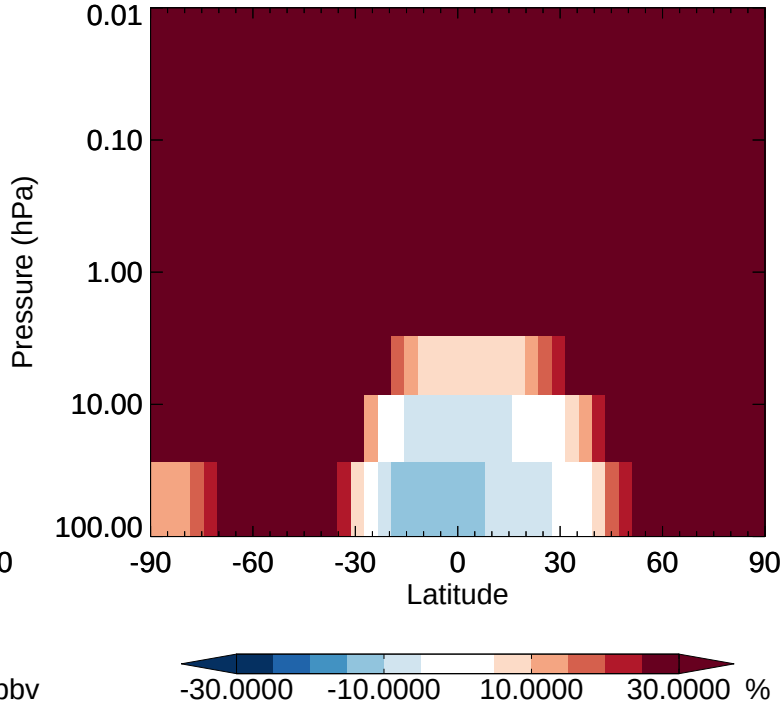
v11-02d - v11-02a

ASOG1 - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

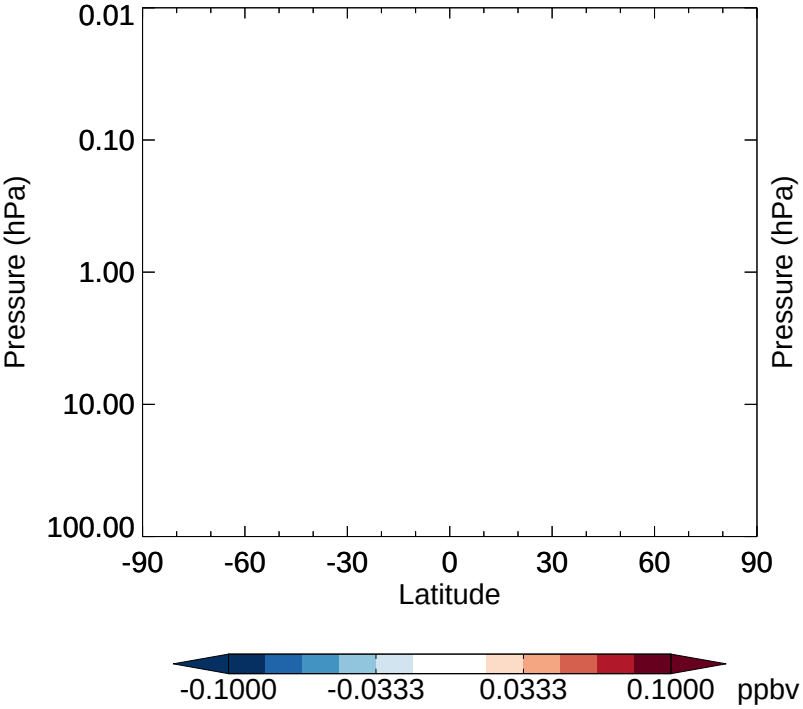
ASOG1 - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

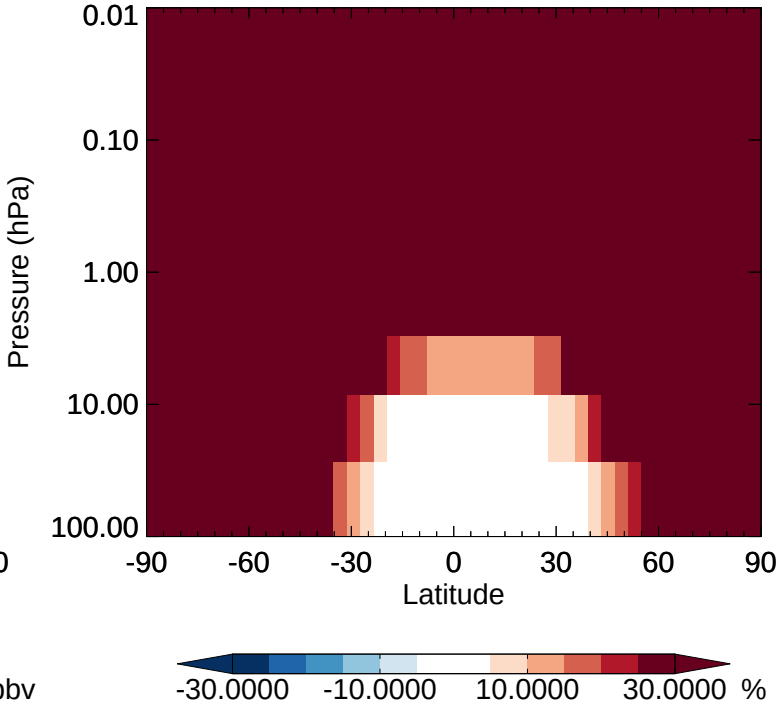
v11-02d - v11-02c

ASOG2 - Strat zonal mean abs diff for Jul



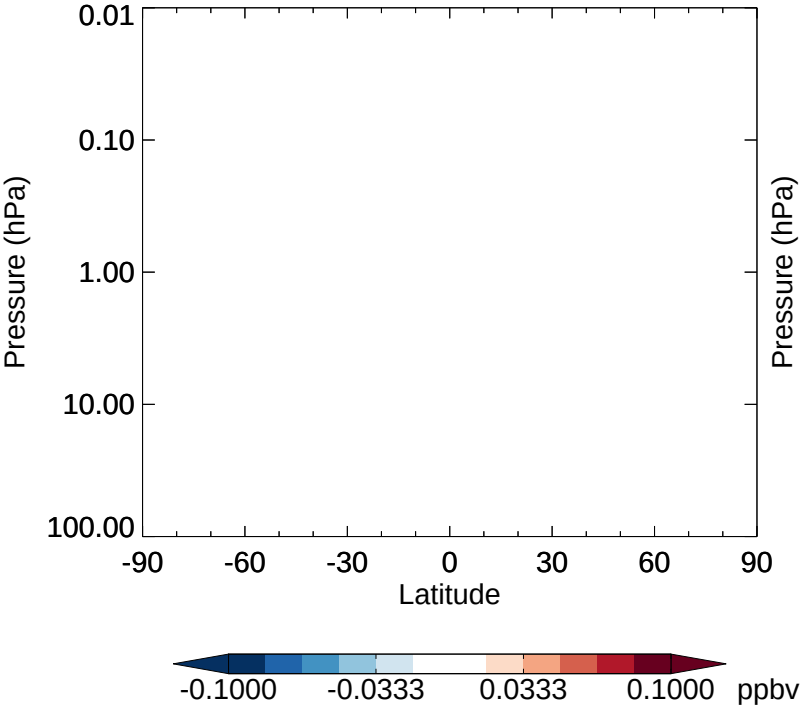
v11-02d / v11-02c

ASOG2 - Strat zonal mean % diff for Jul



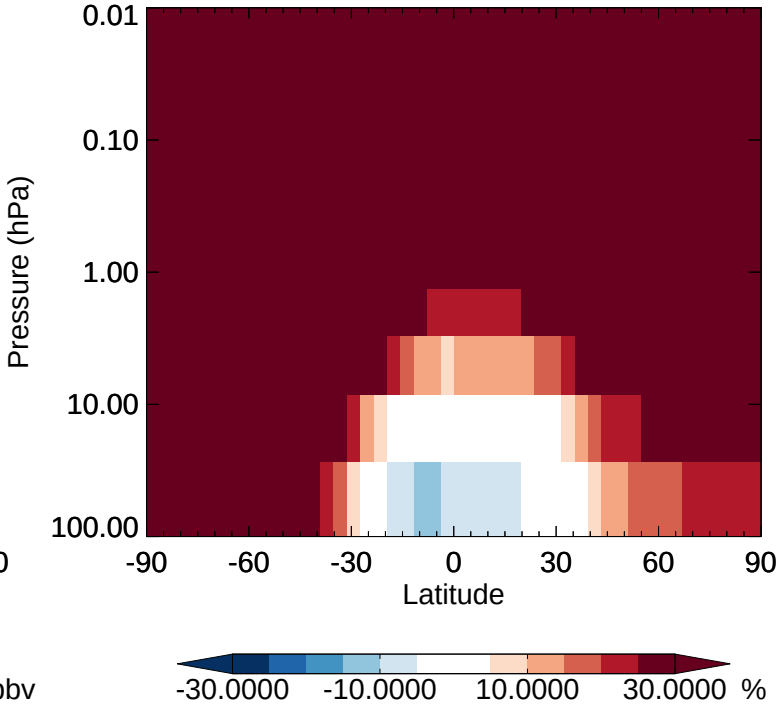
v11-02d - v11-02a

ASOG2 - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

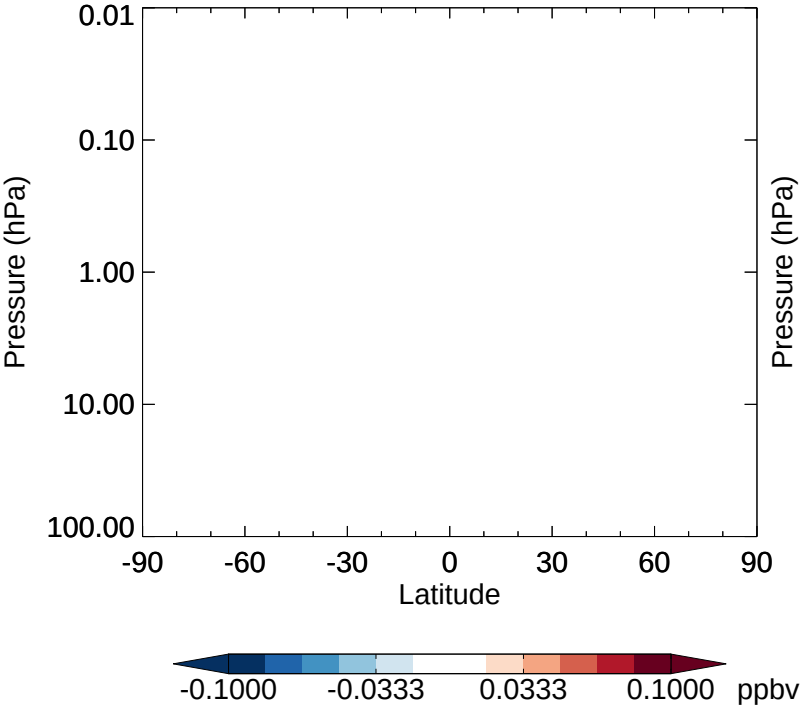
ASOG2 - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

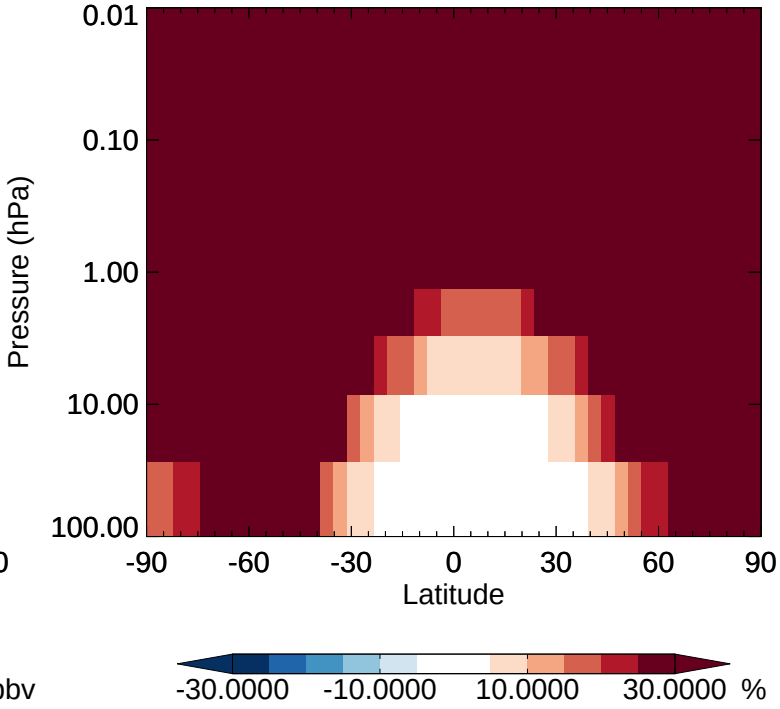
v11-02d - v11-02c

ASOG3 - Strat zonal mean abs diff for Jul



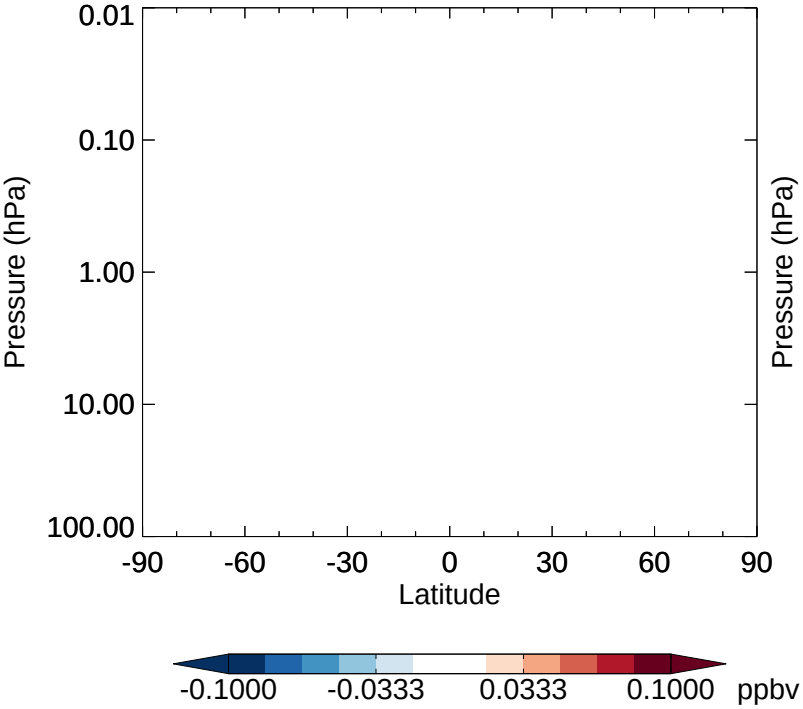
v11-02d / v11-02c

ASOG3 - Strat zonal mean % diff for Jul



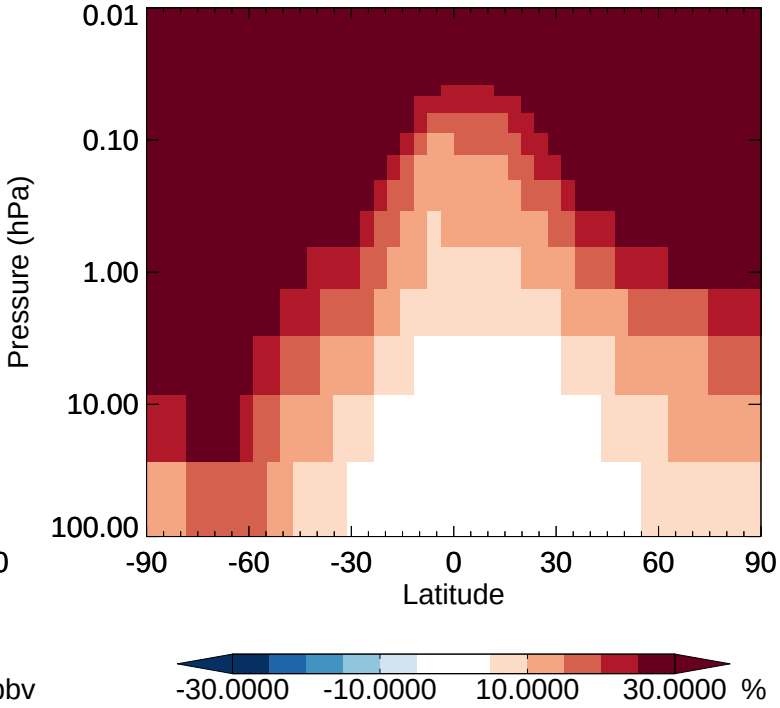
v11-02d - v11-02a

ASOG3 - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

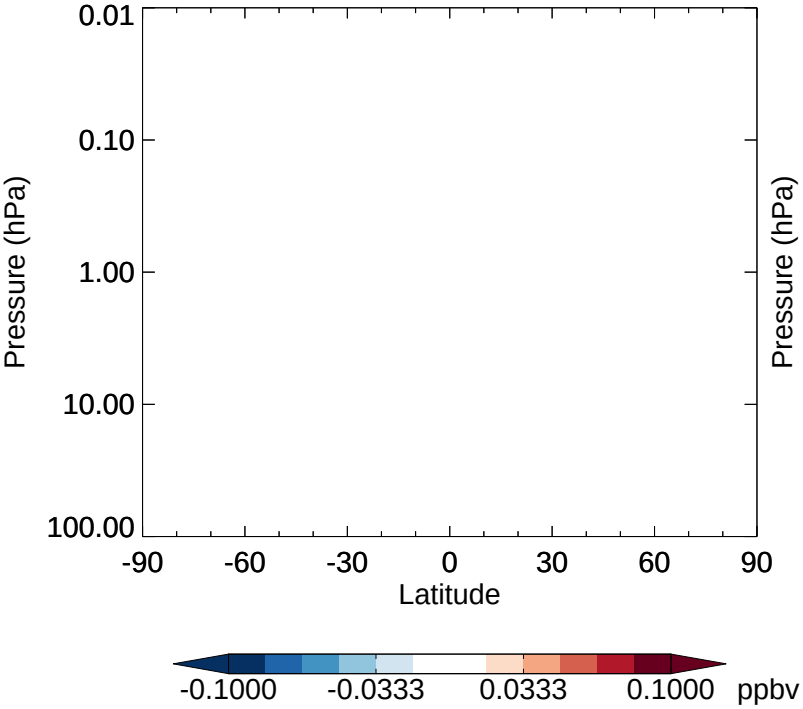
ASOG3 - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

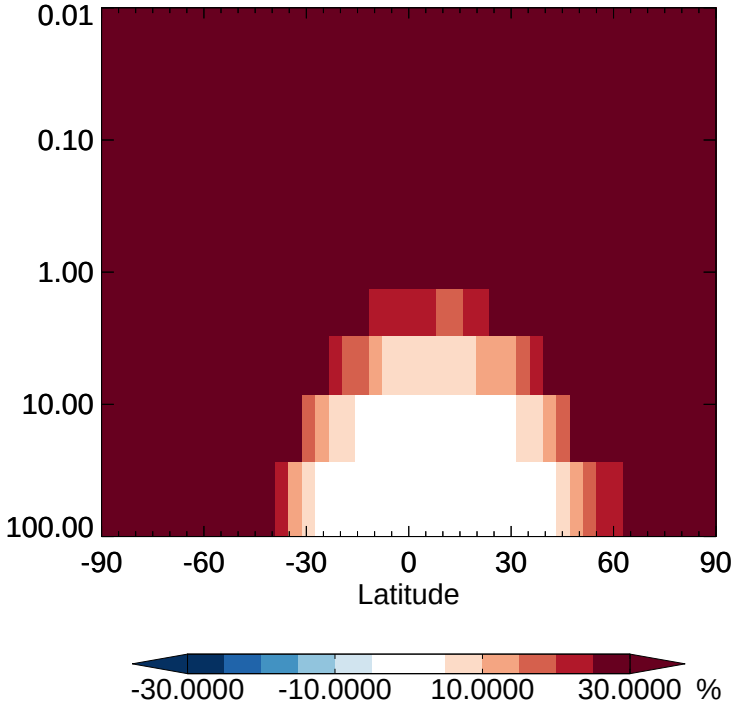
v11-02d - v11-02c

ASOAN - Strat zonal mean abs diff for Jul



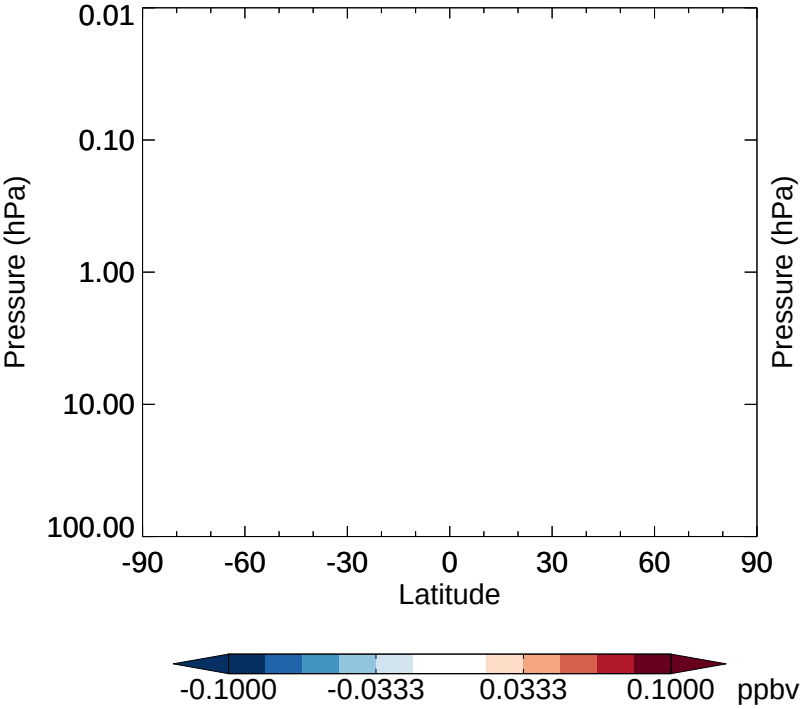
v11-02d / v11-02c

ASOAN - Strat zonal mean % diff for Jul



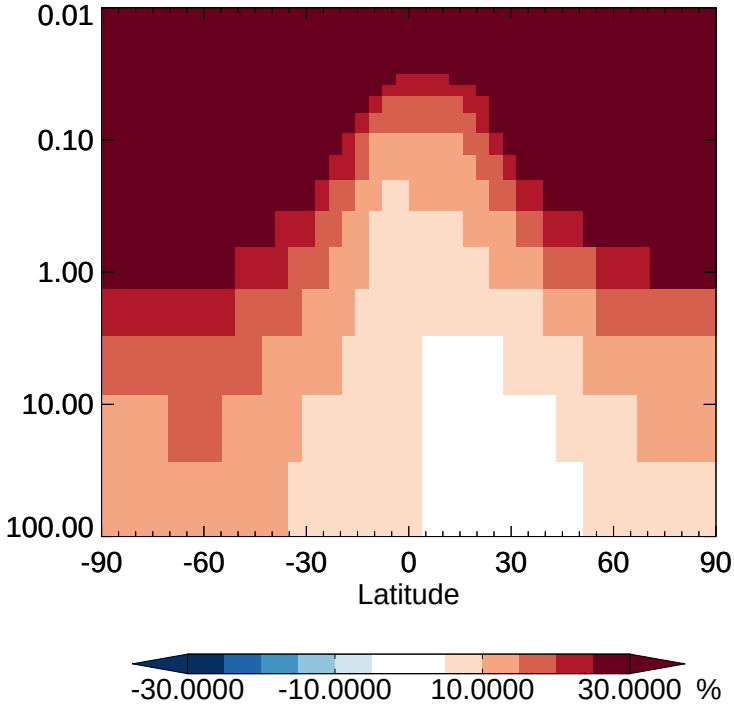
v11-02d - v11-02a

ASOAN - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

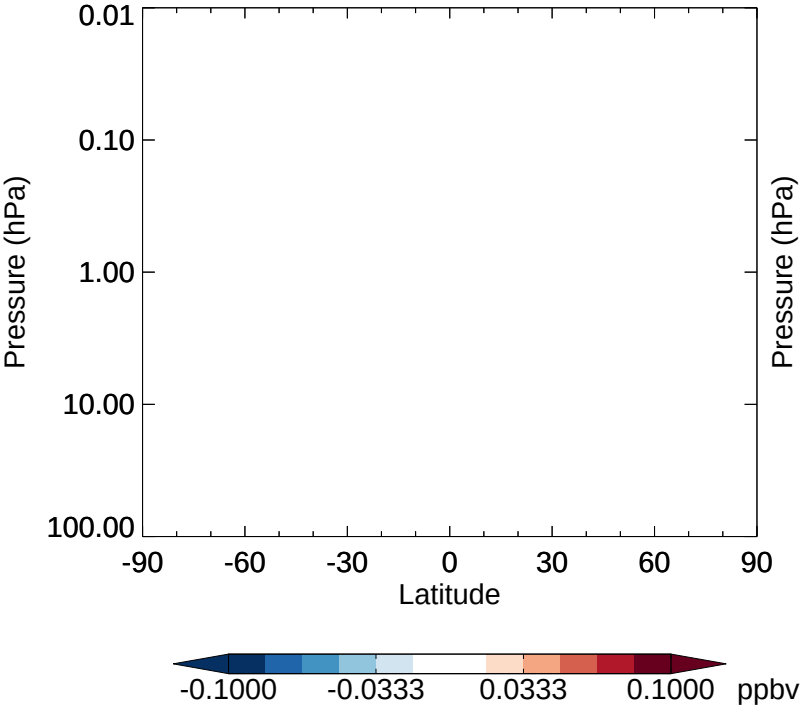
ASOAN - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

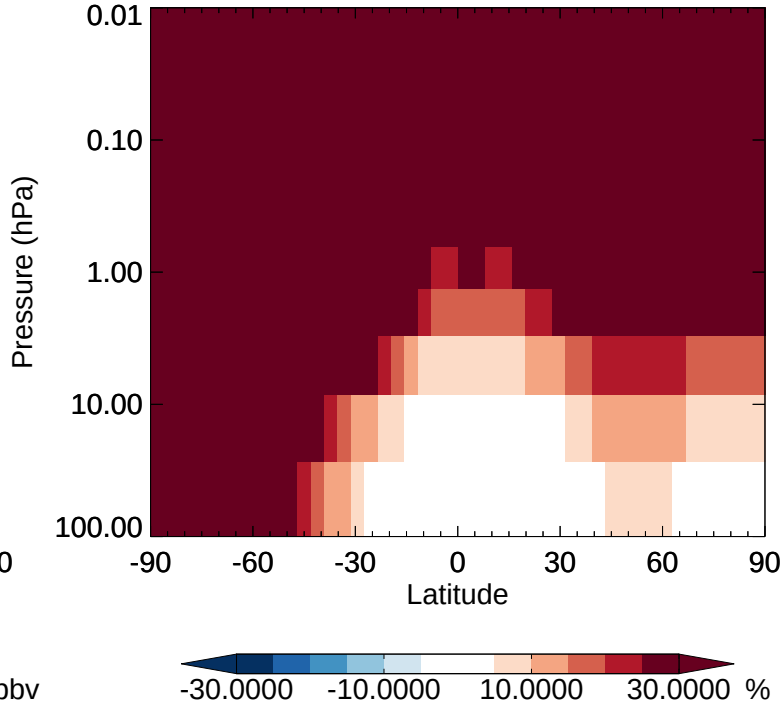
v11-02d - v11-02c

ASOA1 - Strat zonal mean abs diff for Jul



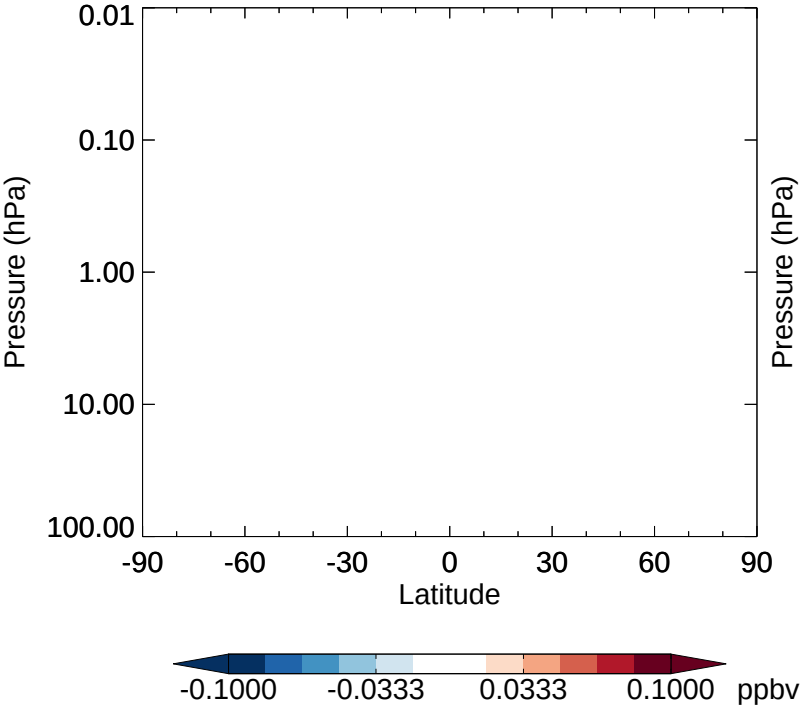
v11-02d / v11-02c

ASOA1 - Strat zonal mean % diff for Jul



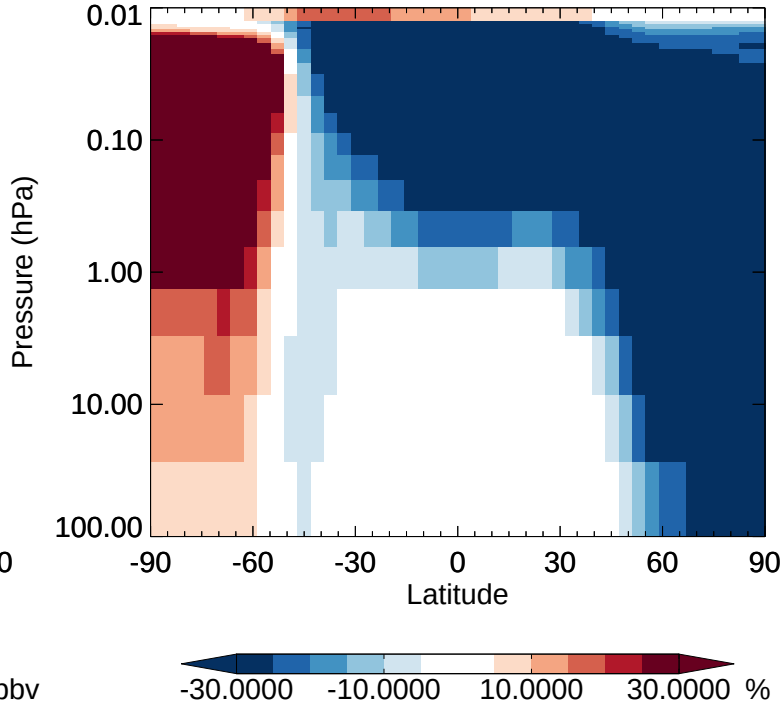
v11-02d - v11-02a

ASOA1 - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

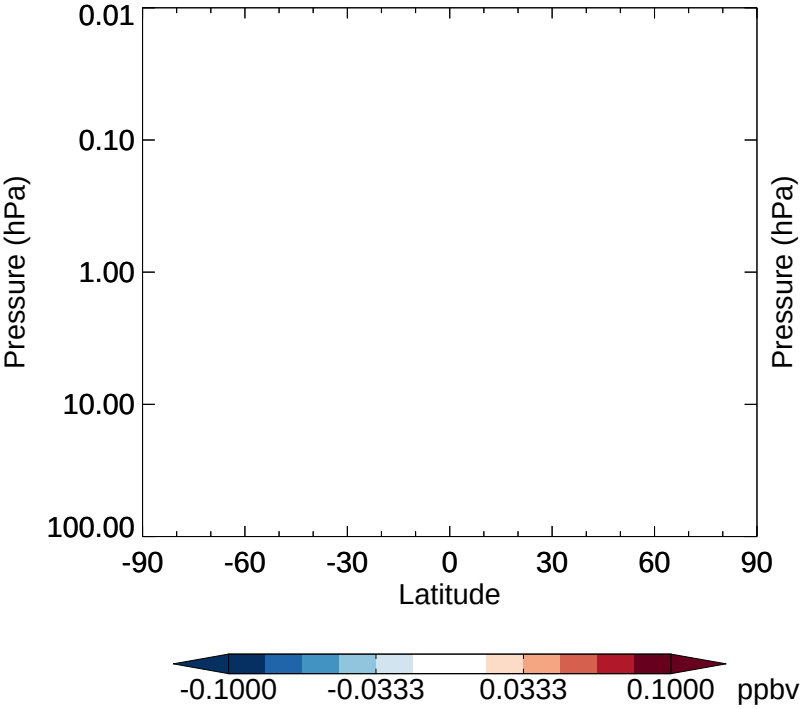
ASOA1 - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

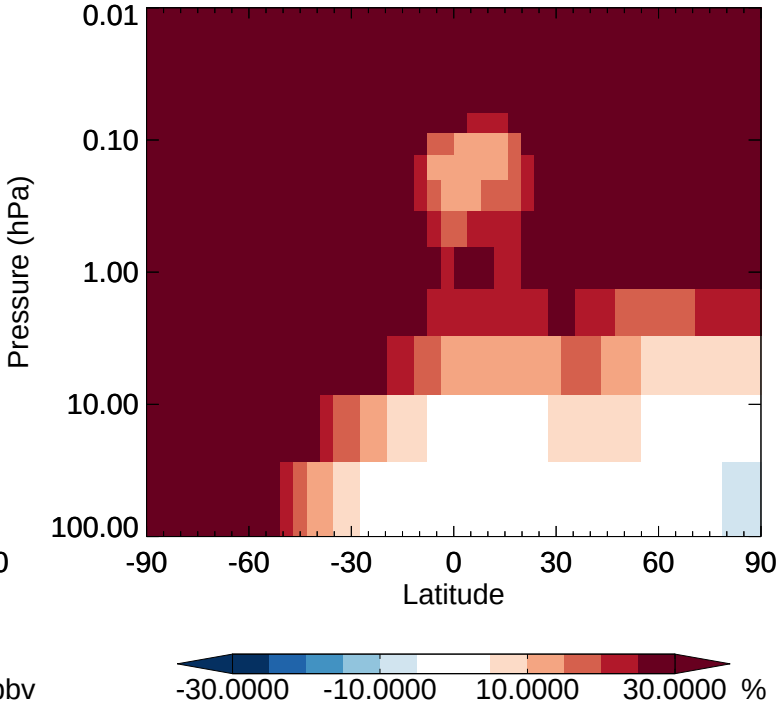
v11-02d - v11-02c

ASOA2 - Strat zonal mean abs diff for Jul



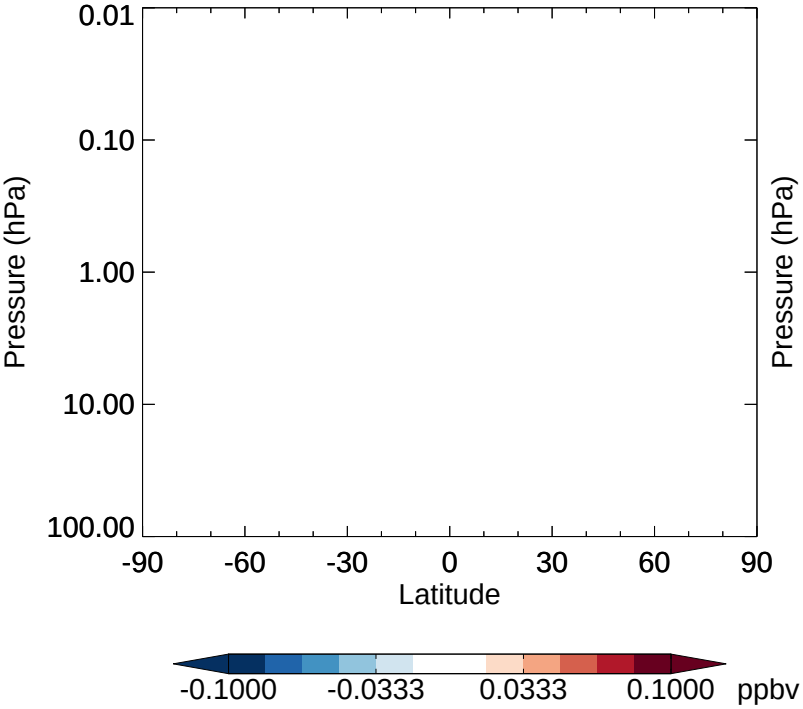
v11-02d / v11-02c

ASOA2 - Strat zonal mean % diff for Jul



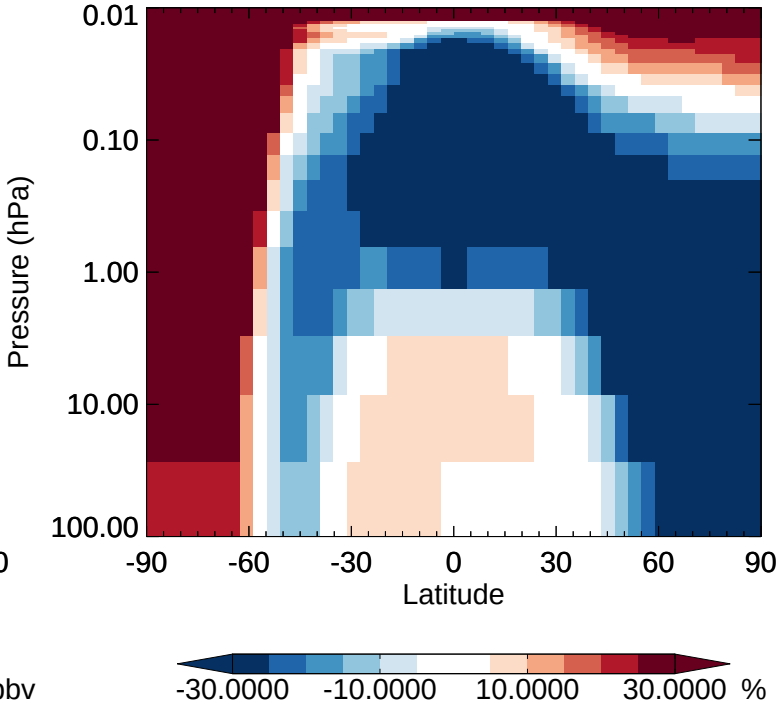
v11-02d - v11-02a

ASOA2 - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

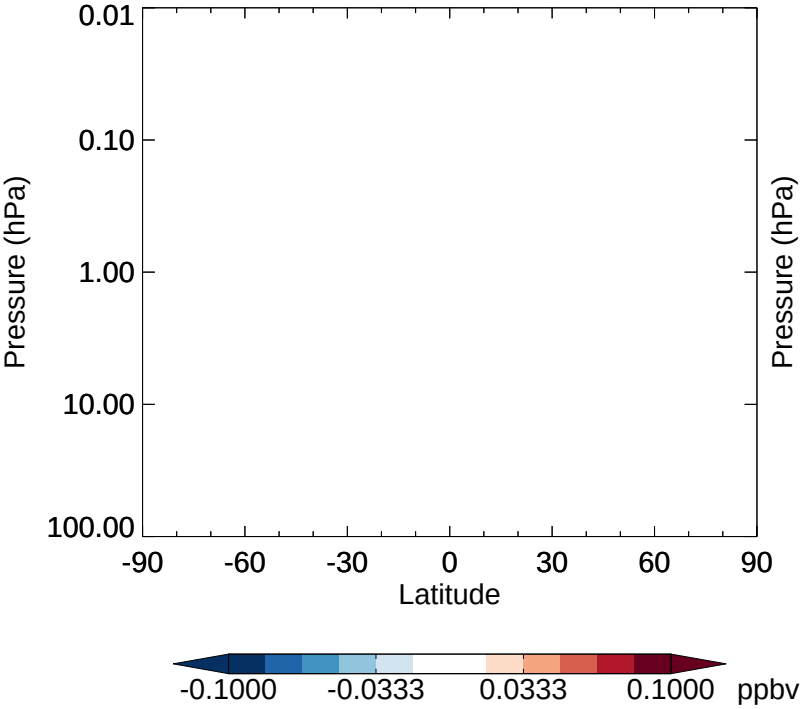
ASOA2 - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

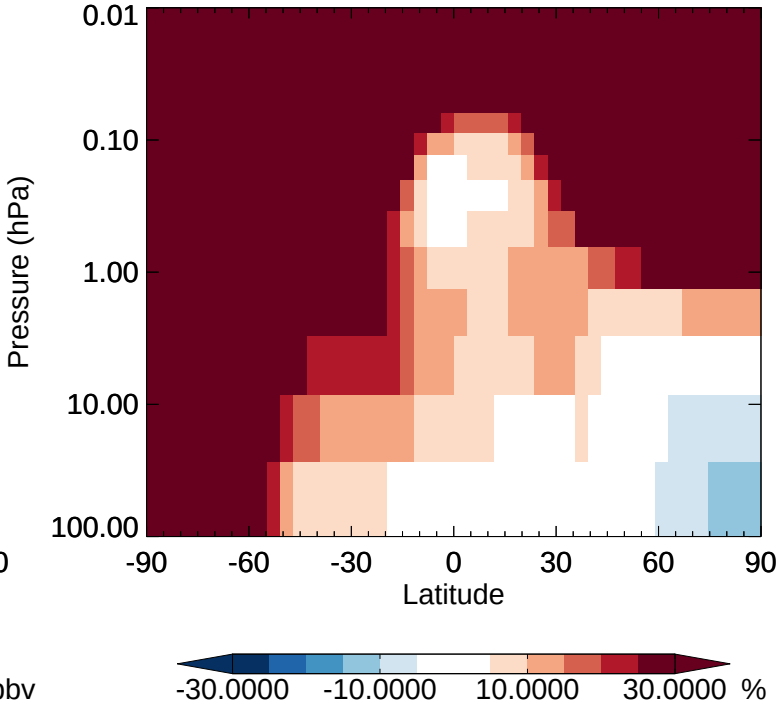
v11-02d - v11-02c

ASOA3 - Strat zonal mean abs diff for Jul



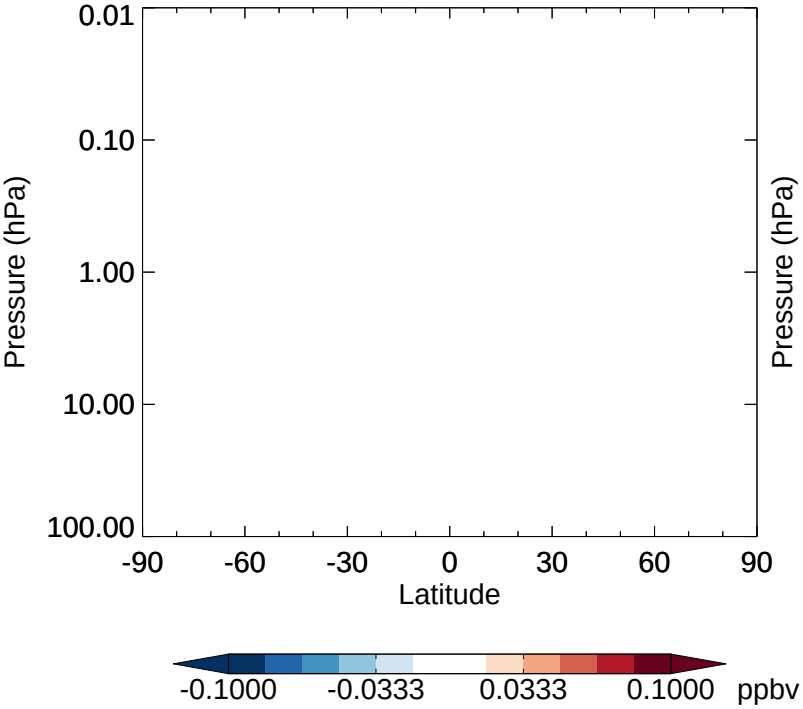
v11-02d / v11-02c

ASOA3 - Strat zonal mean % diff for Jul



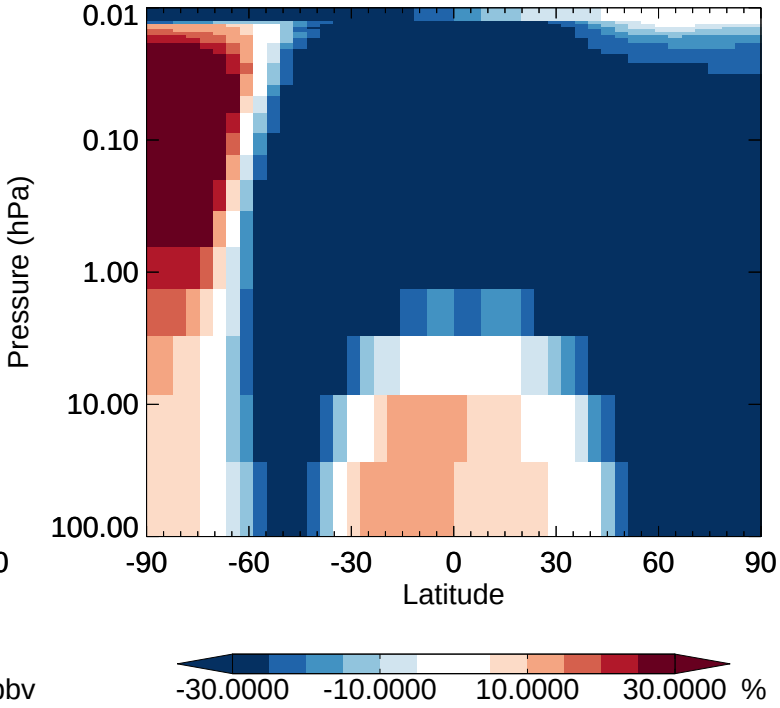
v11-02d - v11-02a

ASOA3 - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

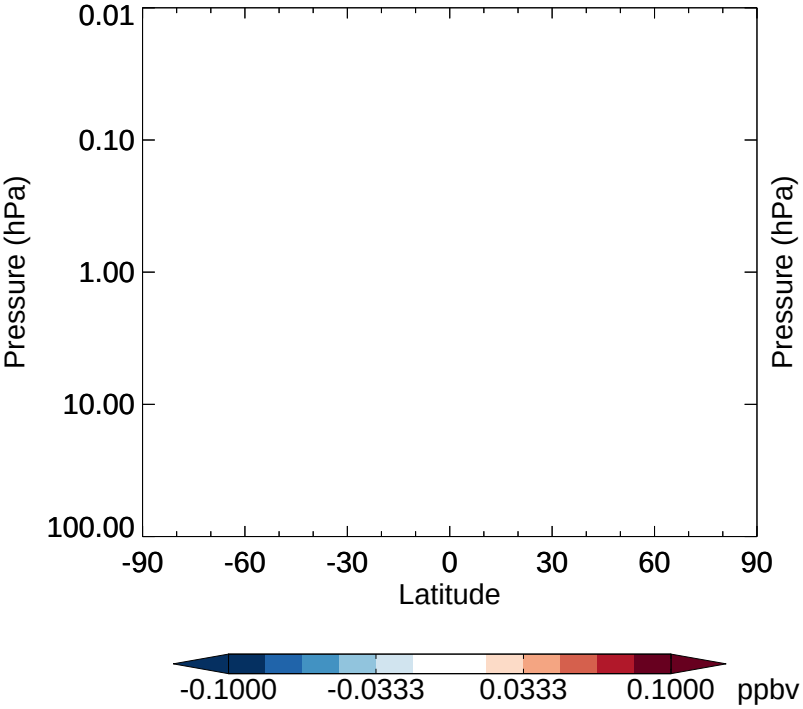
ASOA3 - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

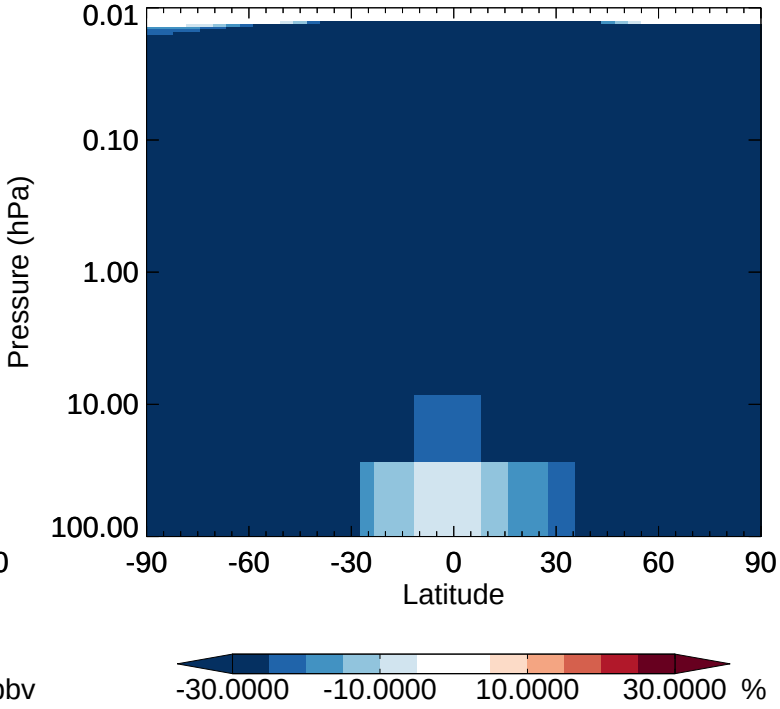
v11-02d - v11-02c

EOH - Strat zonal mean abs diff for Jul



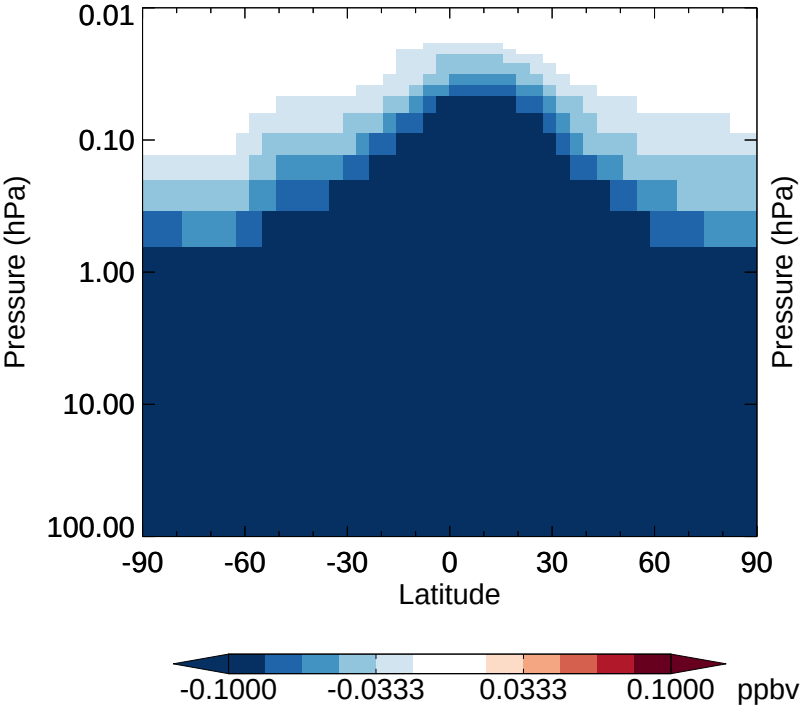
v11-02d / v11-02c

EOH - Strat zonal mean % diff for Jul



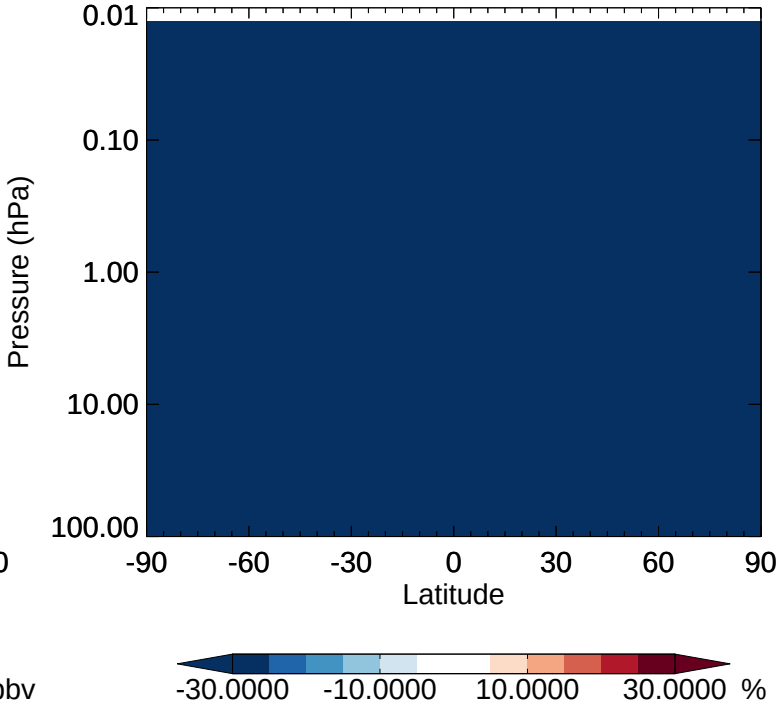
v11-02d - v11-02a

EOH - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

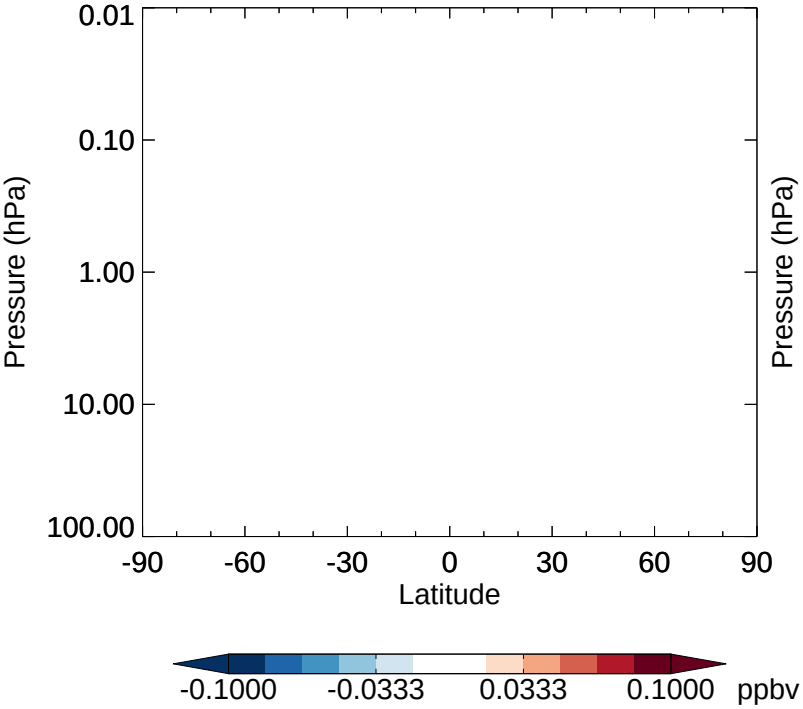
EOH - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

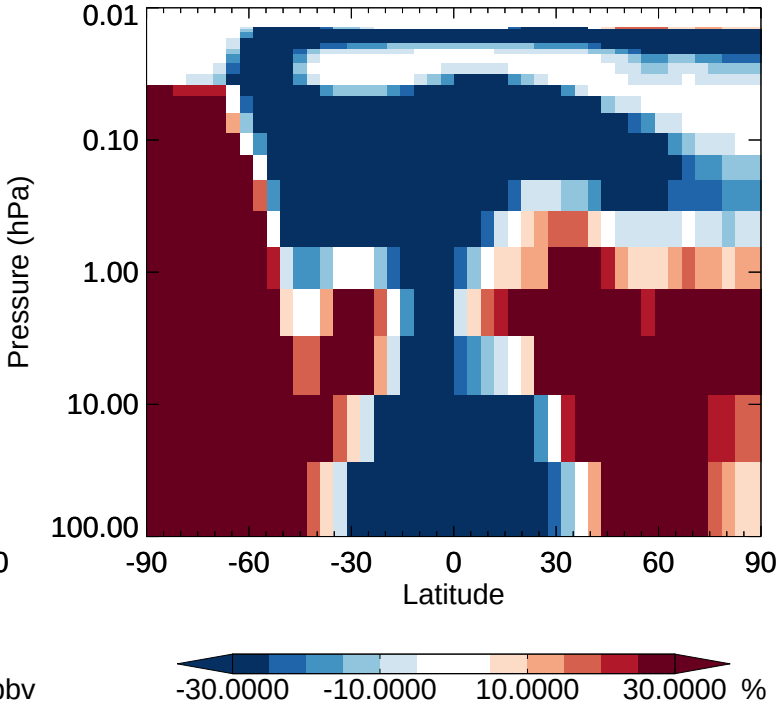
v11-02d - v11-02c

MGLY - Strat zonal mean abs diff for Jul



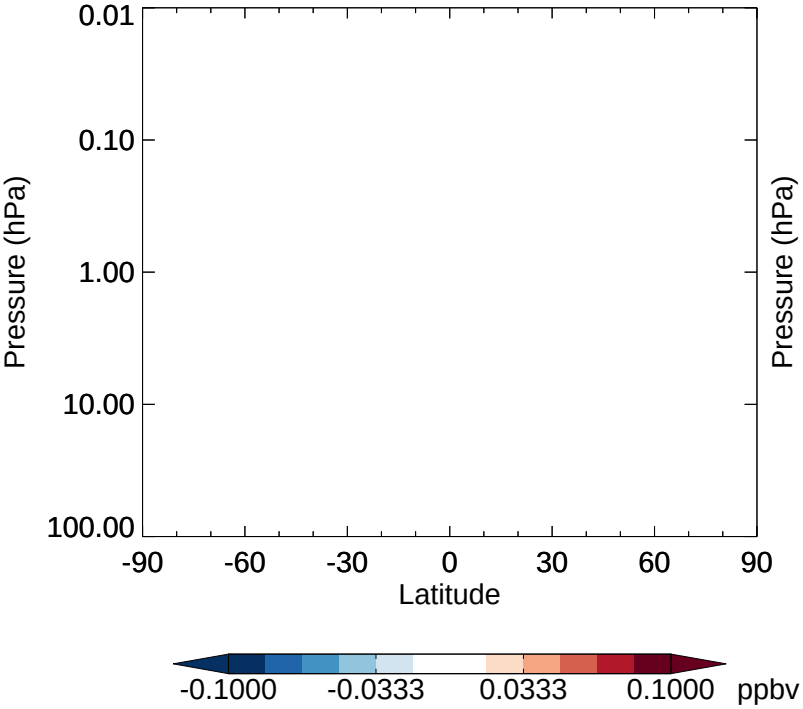
v11-02d / v11-02c

MGLY - Strat zonal mean % diff for Jul



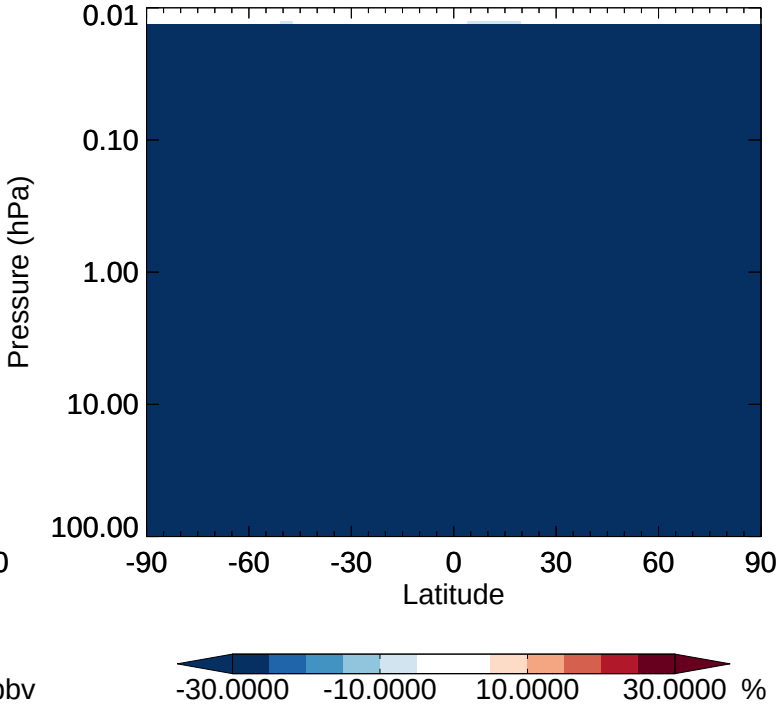
v11-02d - v11-02a

MGLY - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

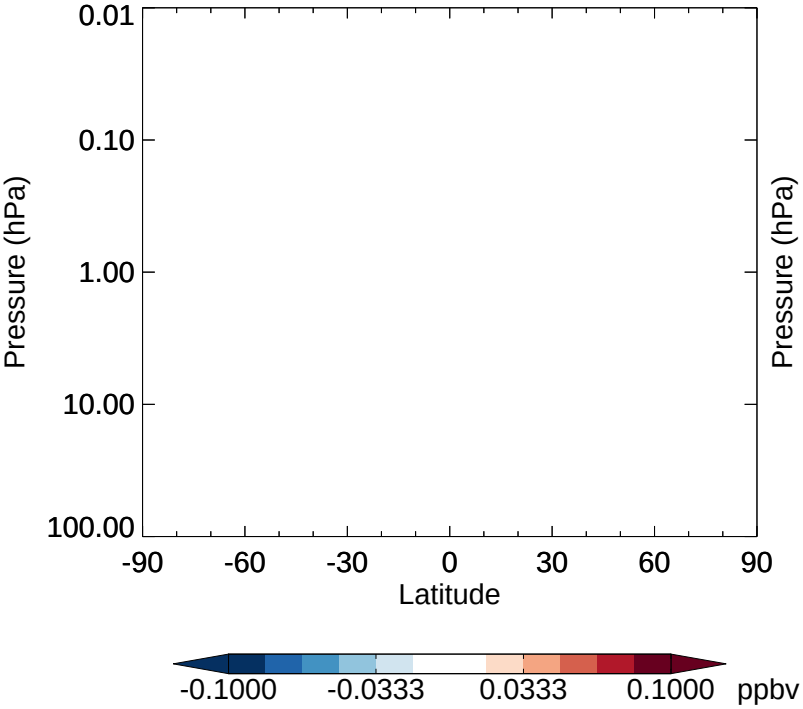
MGLY - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

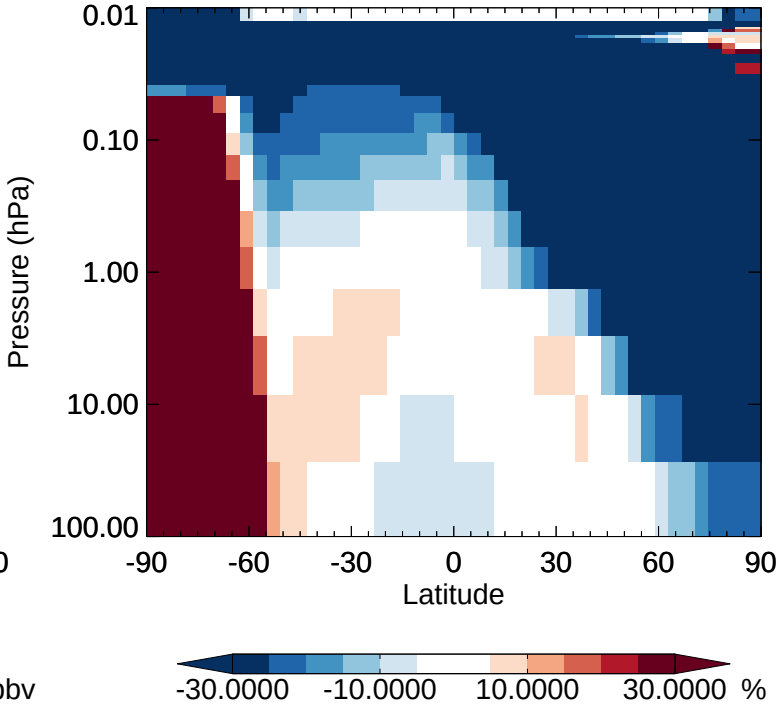
v11-02d - v11-02c

GLYX - Strat zonal mean abs diff for Jul



v11-02d / v11-02c

GLYX - Strat zonal mean % diff for Jul



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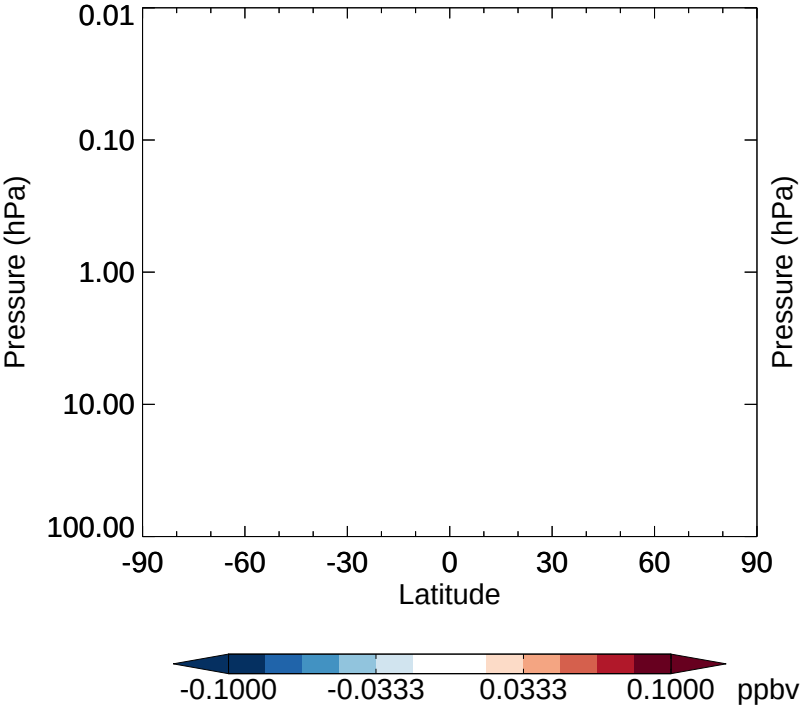
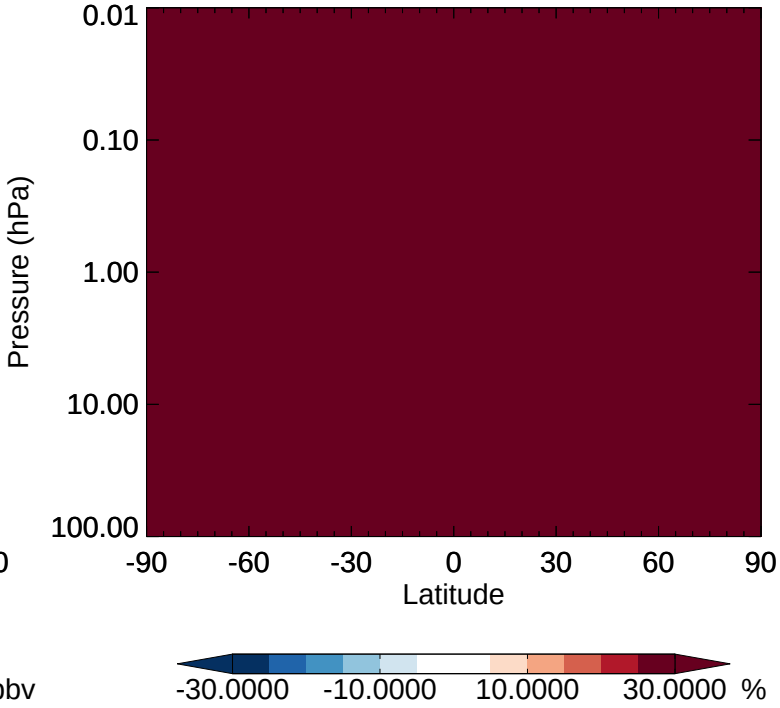
GLYX - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

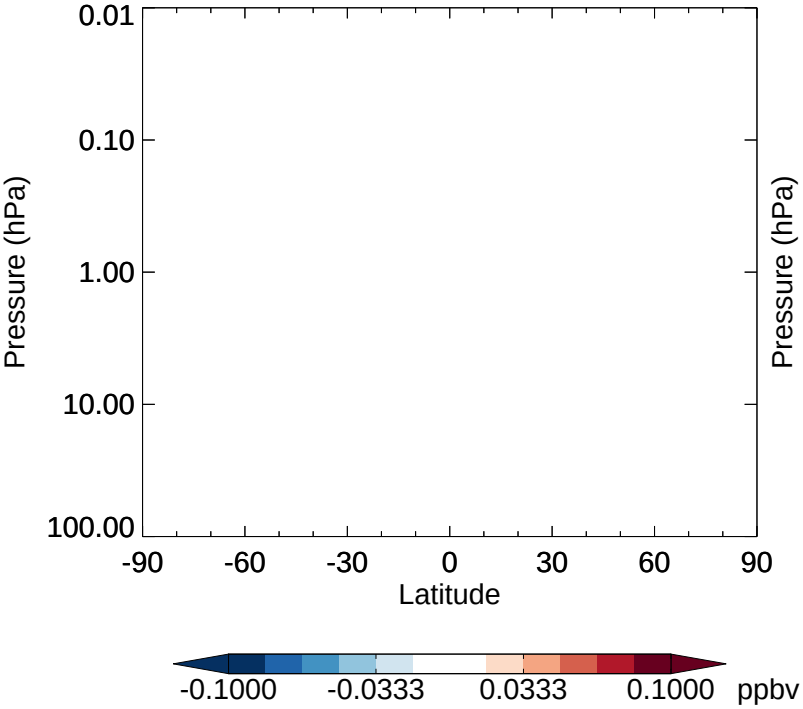
GLYX - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

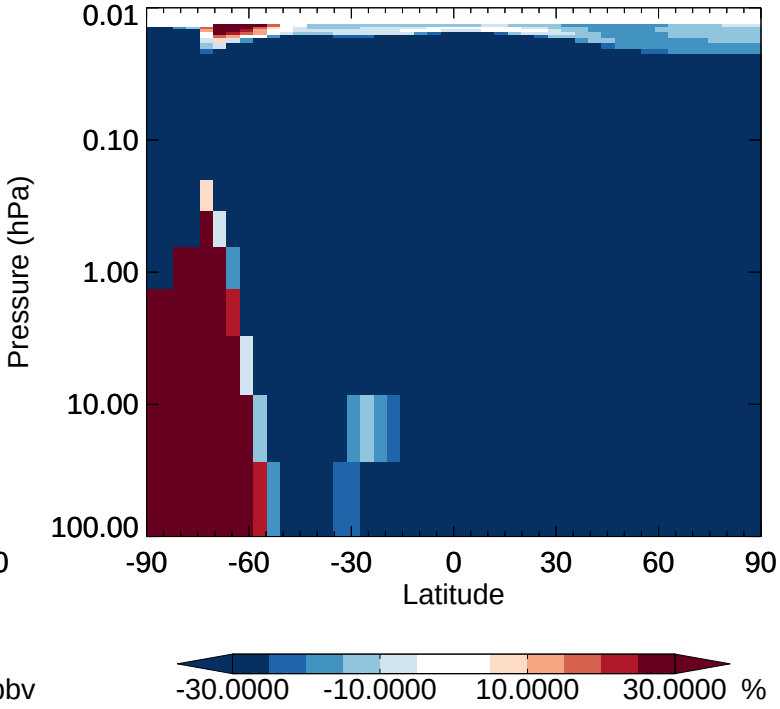
v11-02d - v11-02c

ACTA - Strat zonal mean abs diff for Jul



v11-02d / v11-02c

ACTA - Strat zonal mean % diff for Jul



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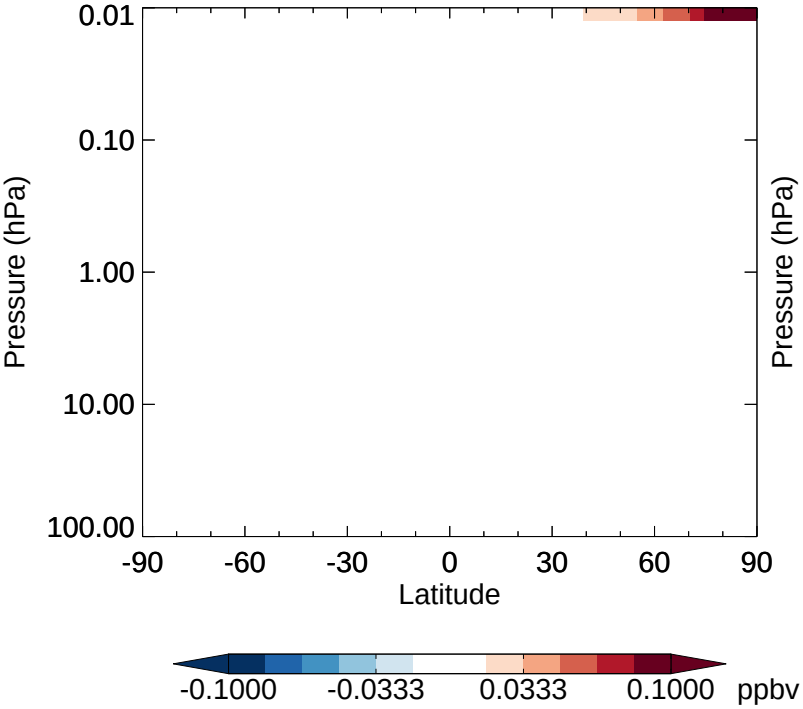
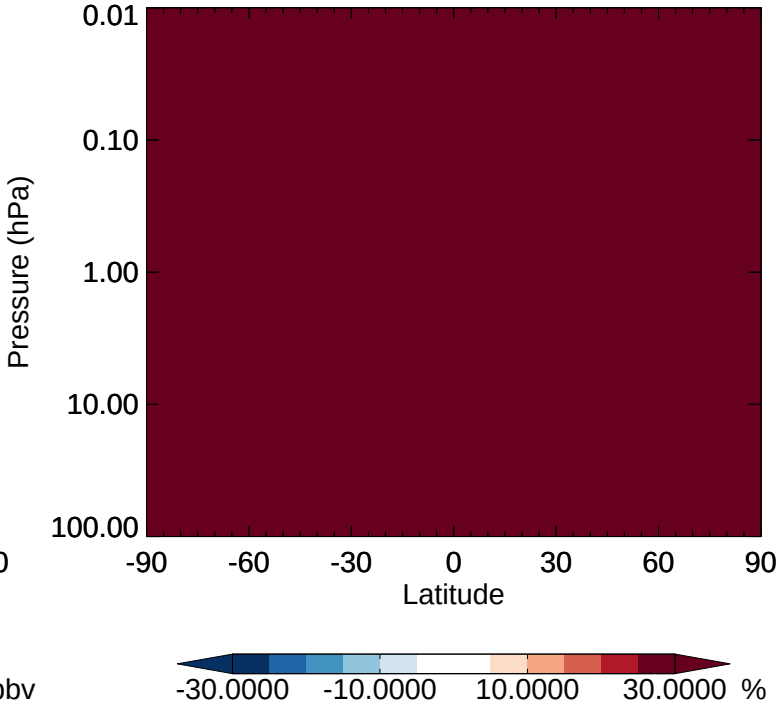


v11-02d / v11-02a

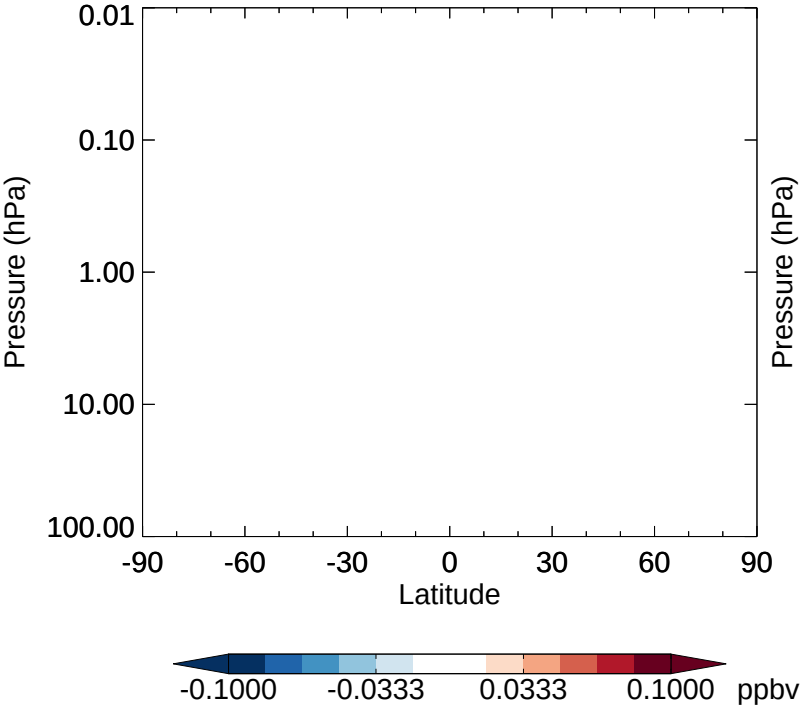
ACTA - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

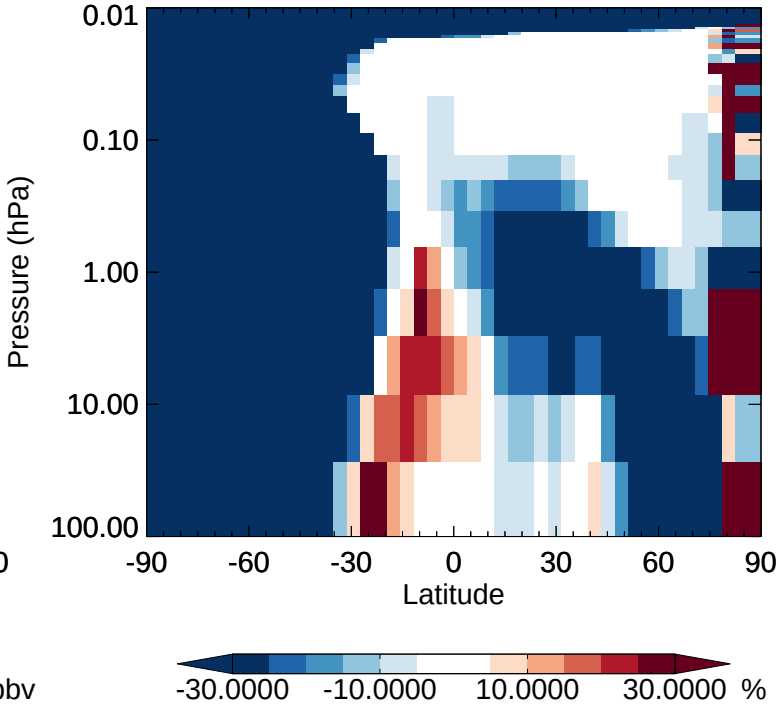
v11-02d - v11-02c

HPALD - Strat zonal mean abs diff for Jul



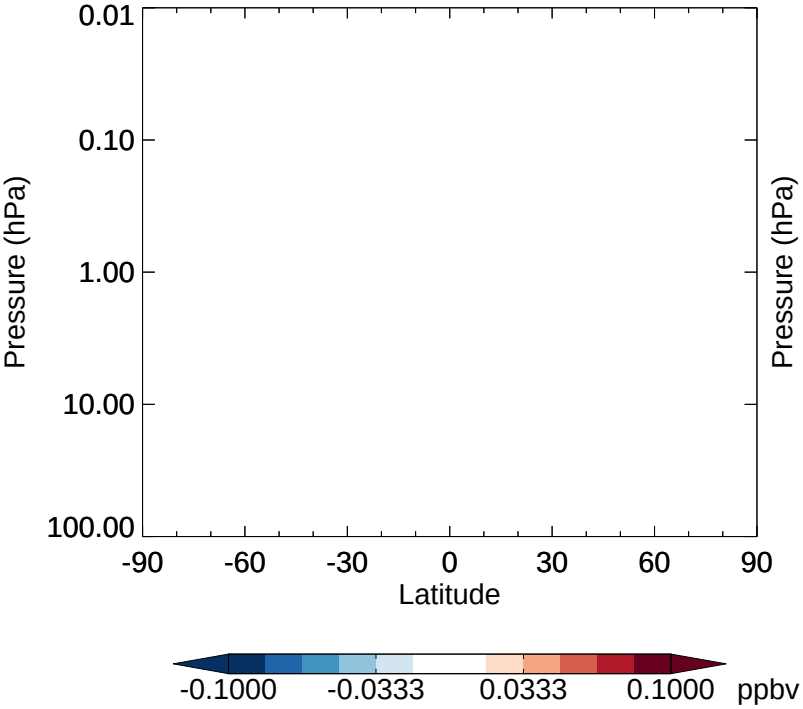
v11-02d / v11-02c

HPALD - Strat zonal mean % diff for Jul



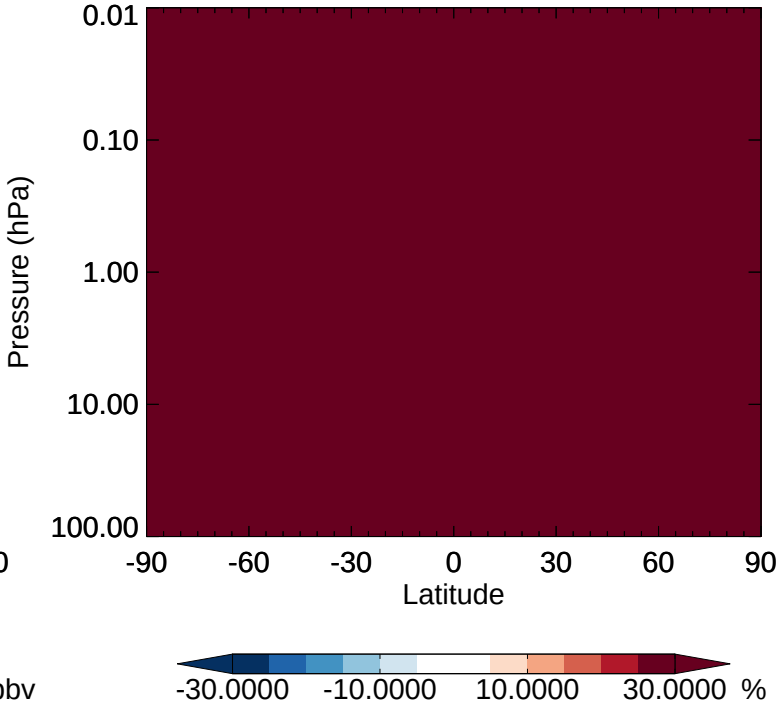
v11-02d - v11-02a

HPALD - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

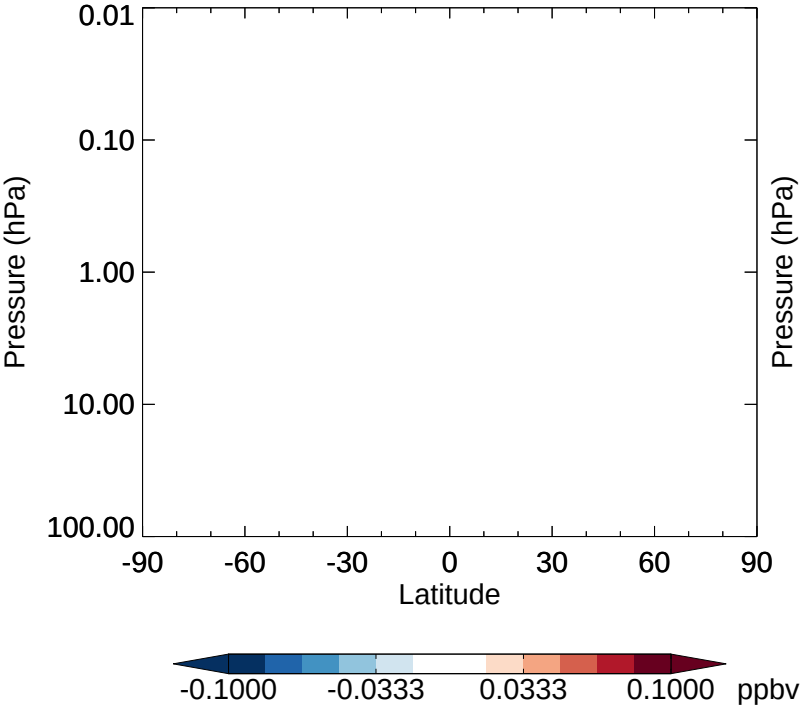
HPALD - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

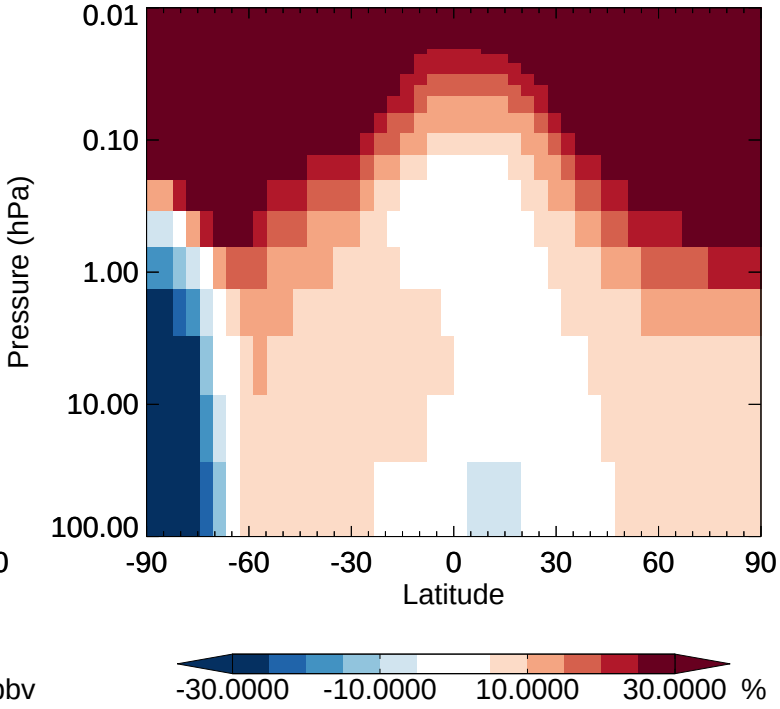
v11-02d - v11-02c

DHDN - Strat zonal mean abs diff for Jul



v11-02d / v11-02c

DHDN - Strat zonal mean % diff for Jul



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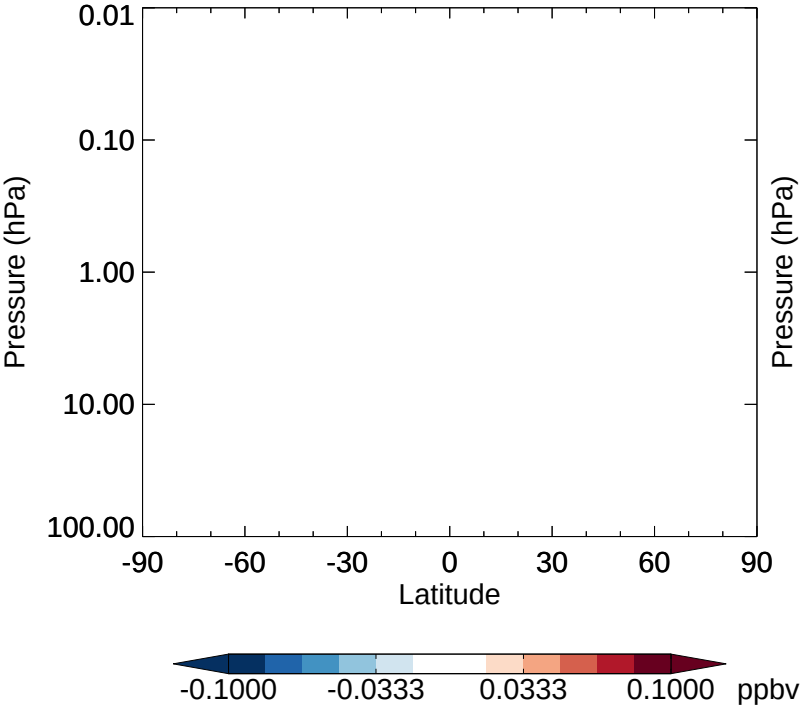
DHDN - Strat zonal mean abs diff for Jul



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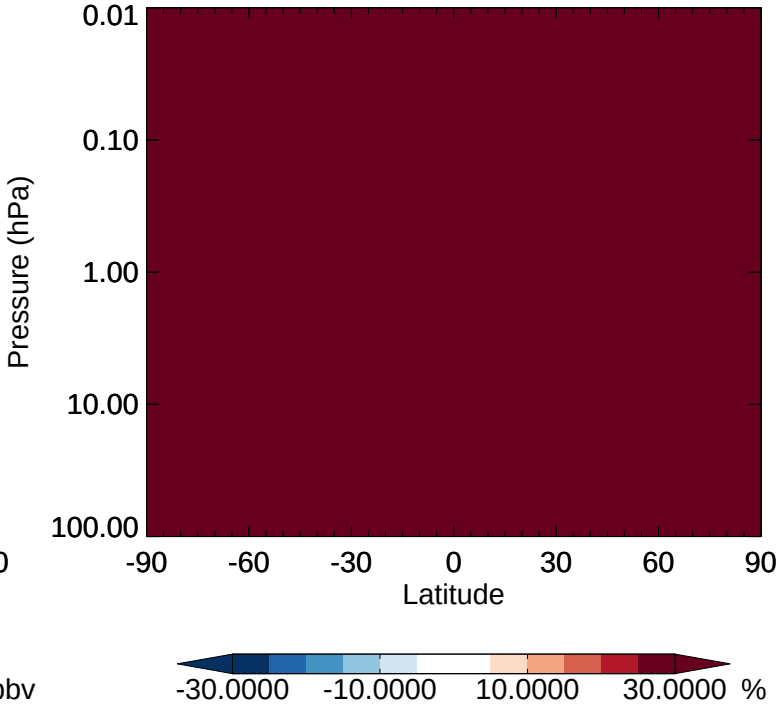
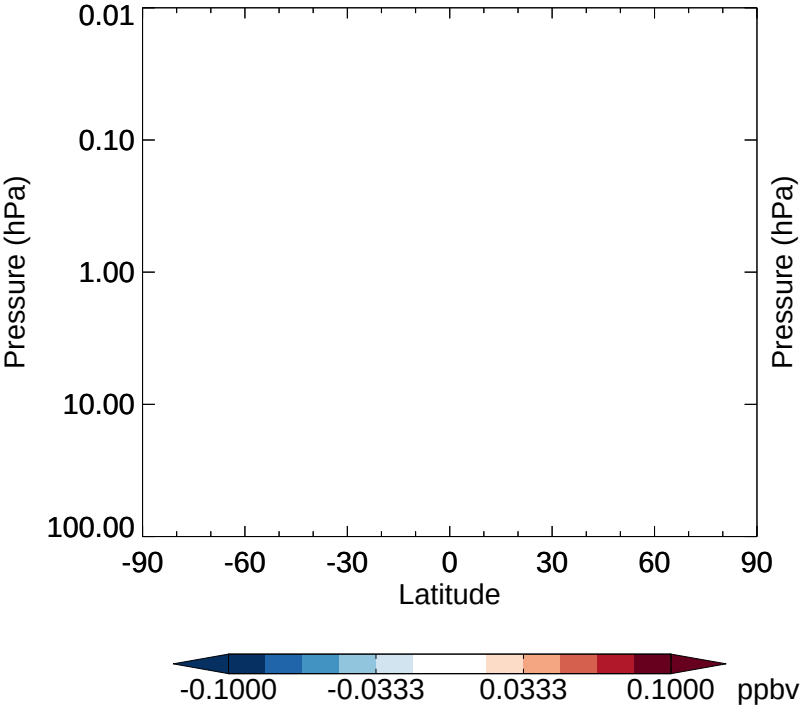
DHDN - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

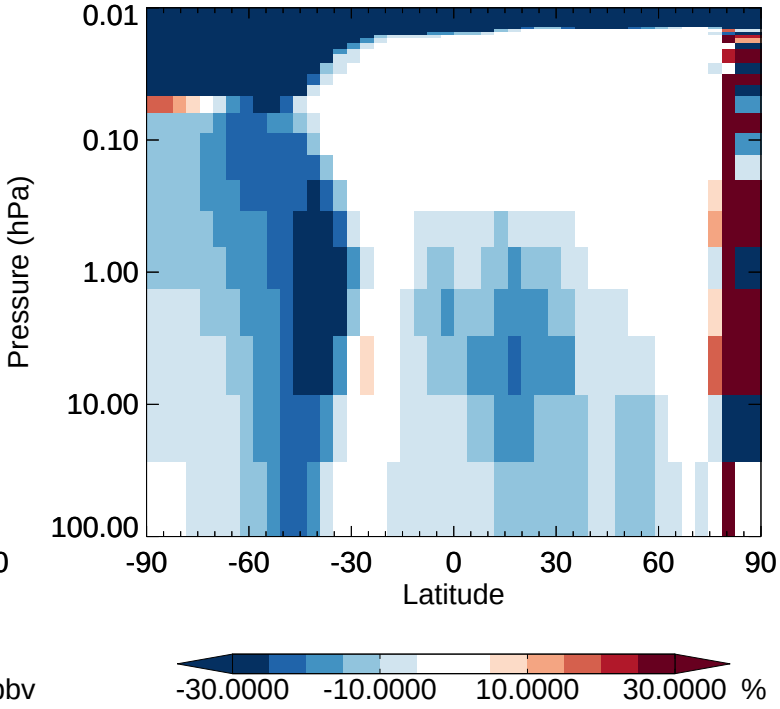
v11-02d - v11-02c

ETHLN - Strat zonal mean abs diff for Jul



v11-02d / v11-02c

ETHLN - Strat zonal mean % diff for Jul



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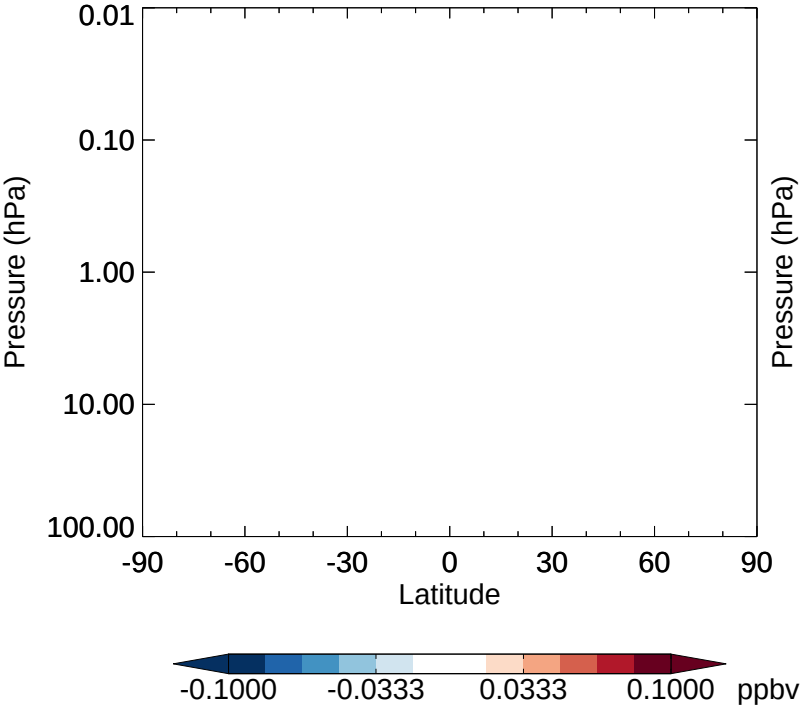
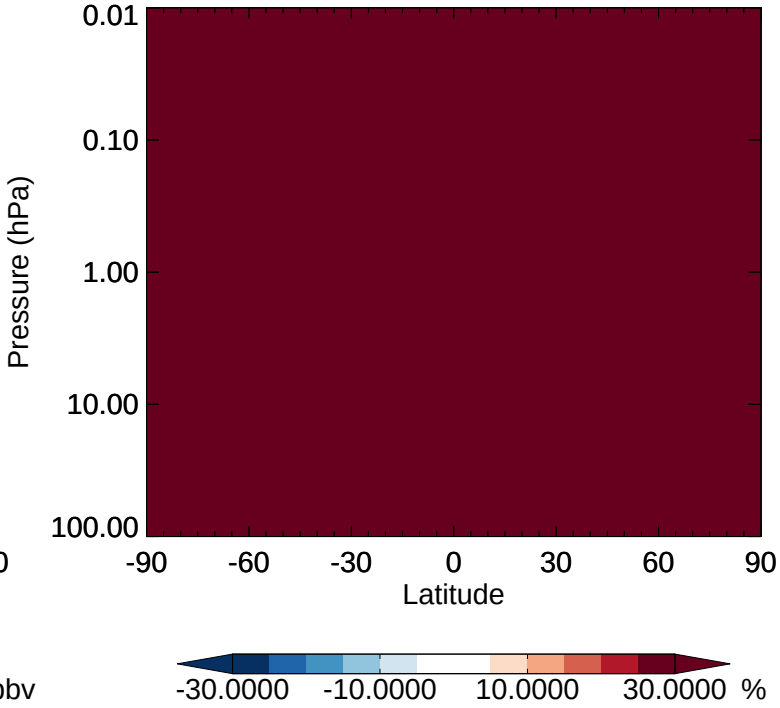
ETHLN - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

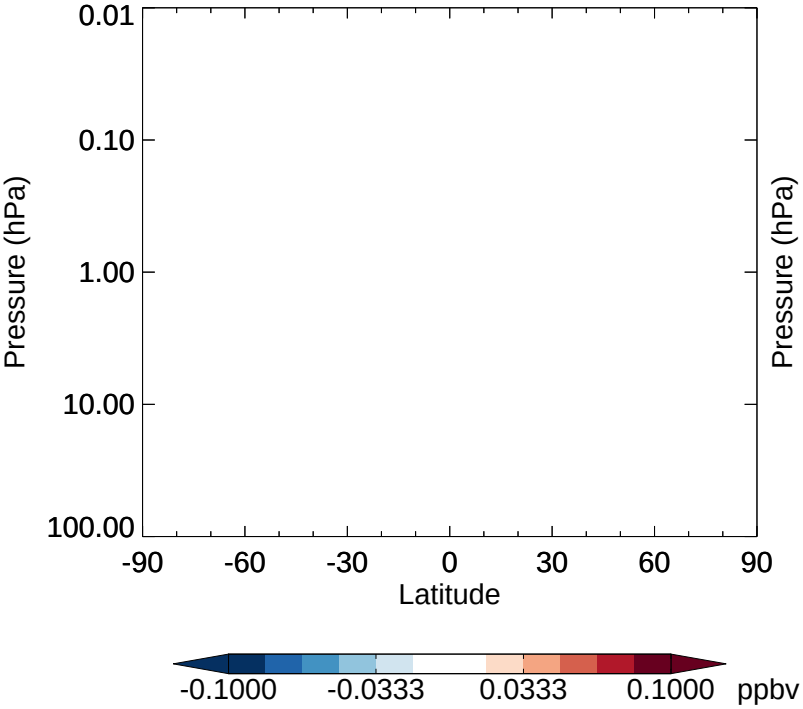
ETHLN - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

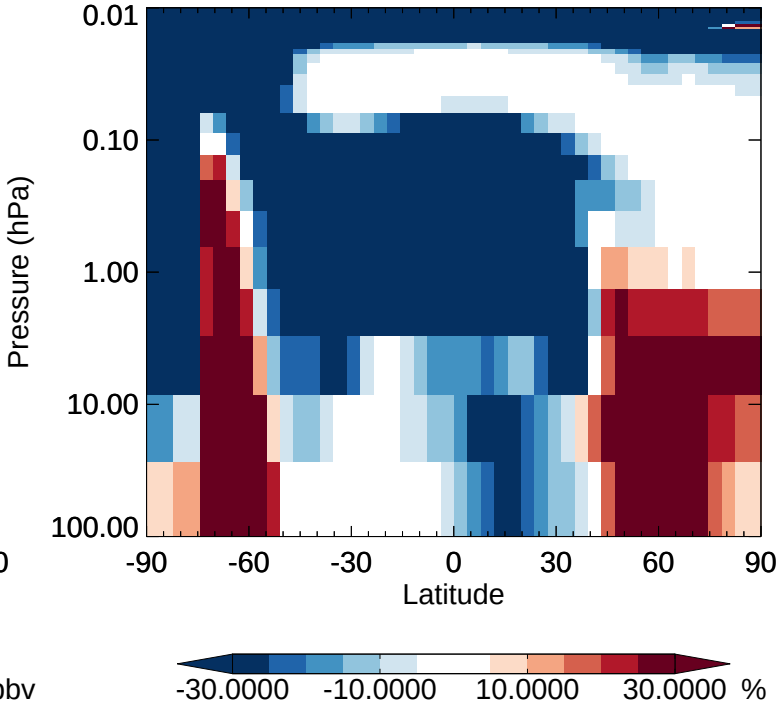
v11-02d - v11-02c

HCOOH - Strat zonal mean abs diff for Jul



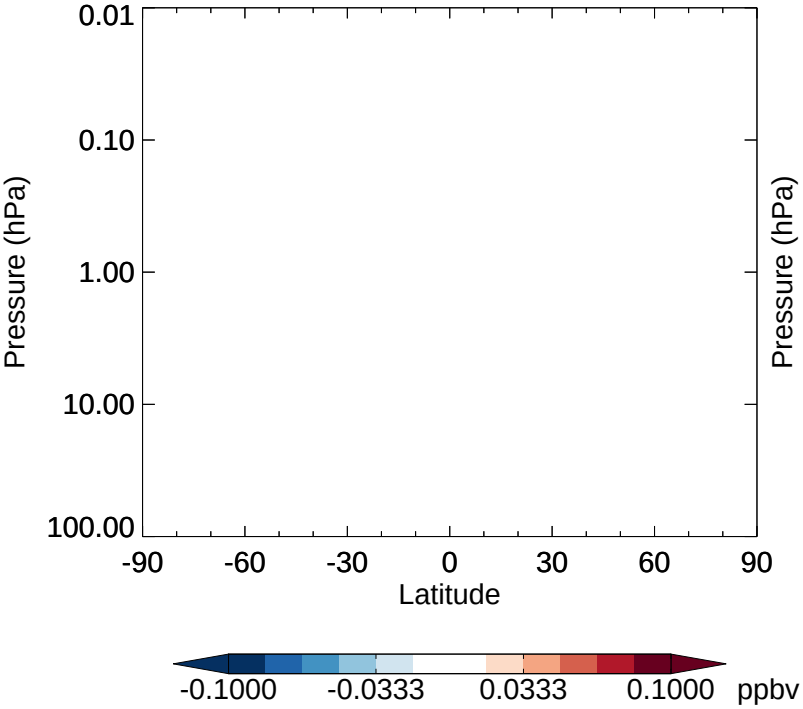
v11-02d / v11-02c

HCOOH - Strat zonal mean % diff for Jul



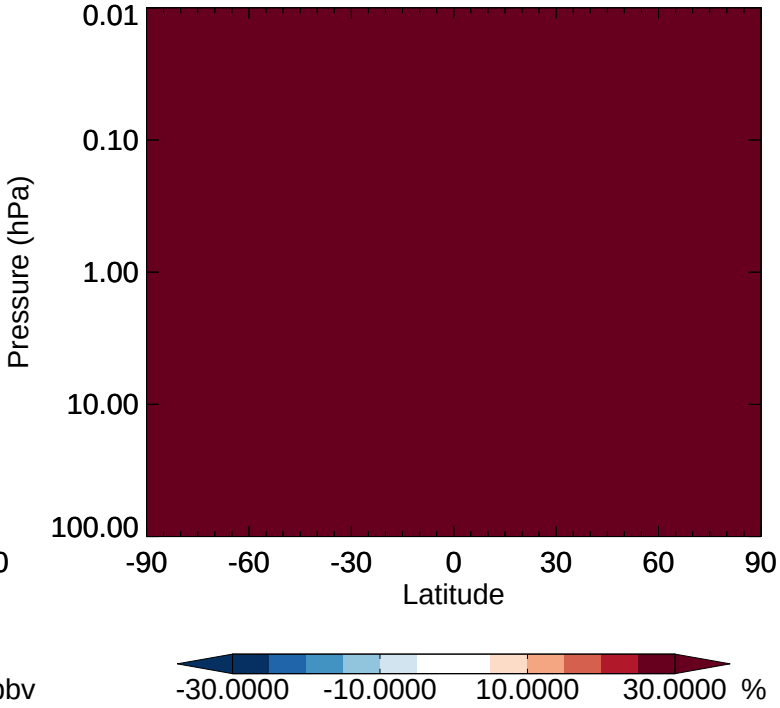
v11-02d - v11-02a

HCOOH - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

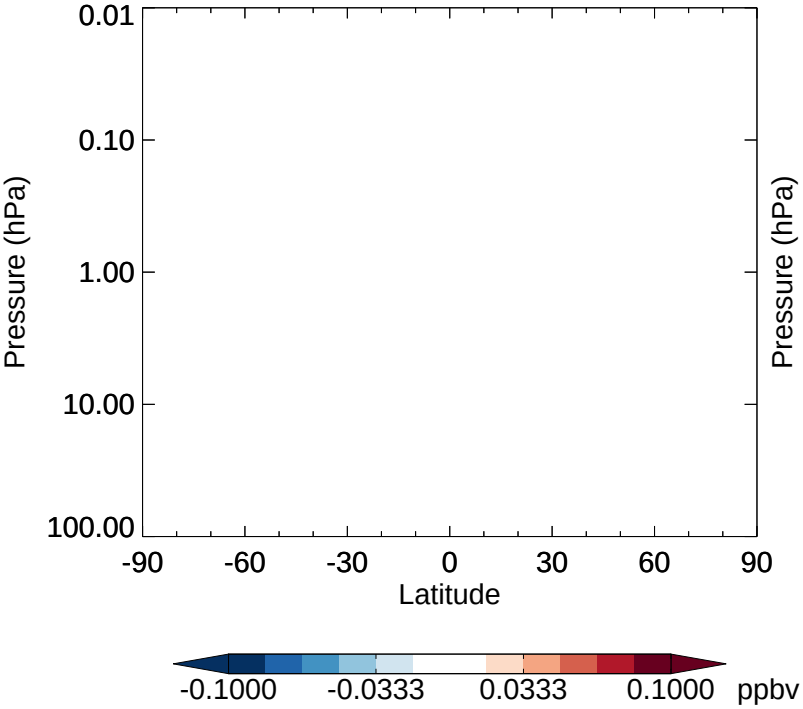
HCOOH - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

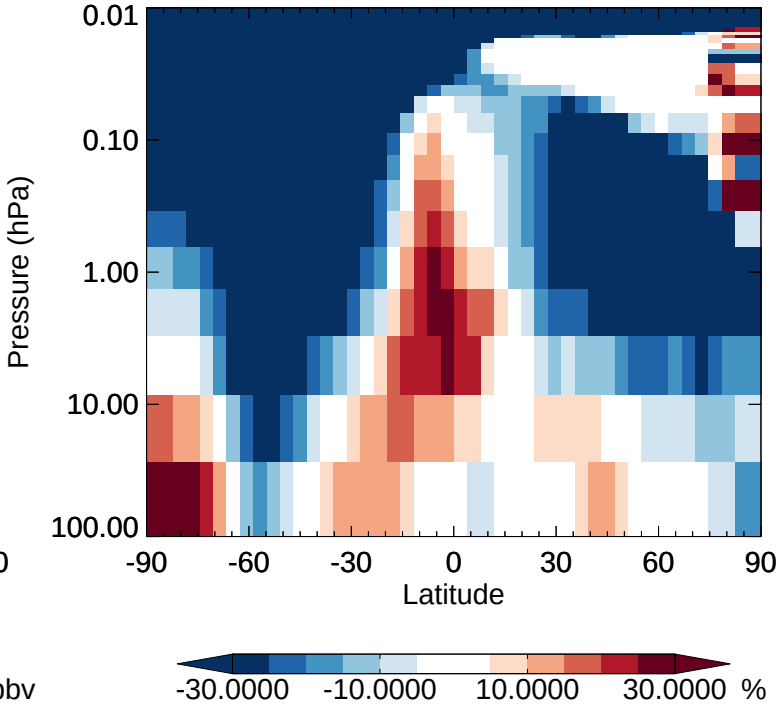
v11-02d - v11-02c

IEPOXA - Strat zonal mean abs diff for Jul



v11-02d / v11-02c

IEPOXA - Strat zonal mean % diff for Jul



v11-02d - v11-02a

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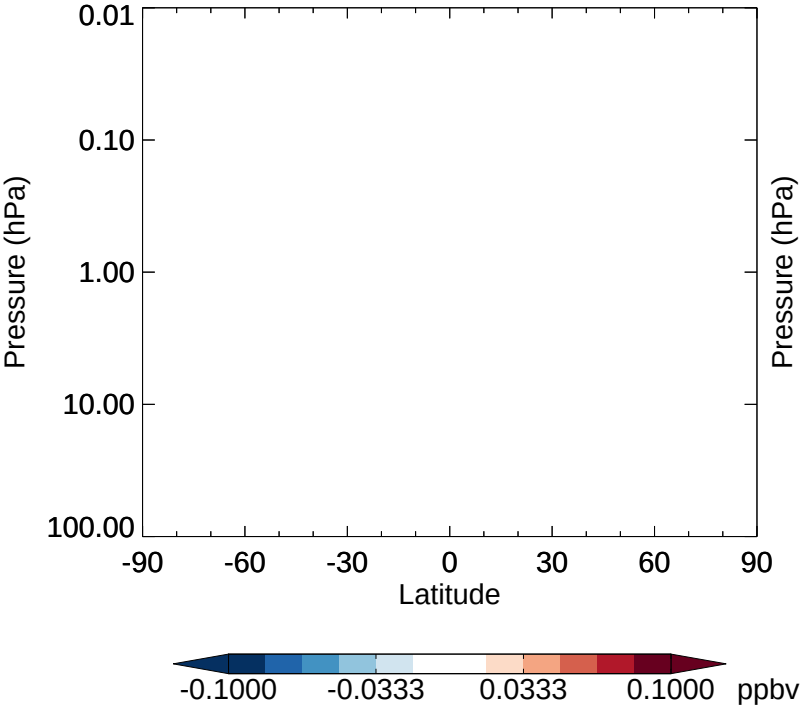
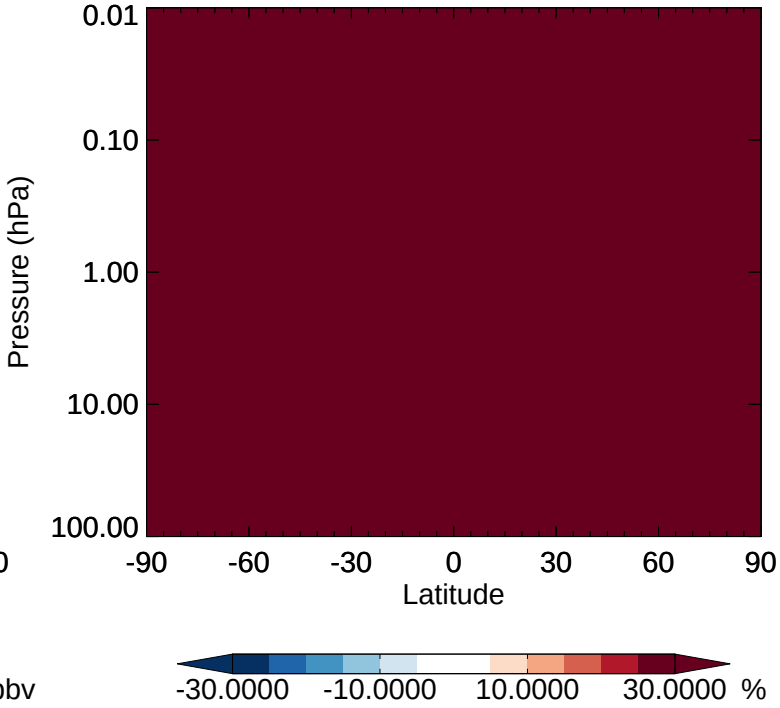


v11-02d / v11-02a

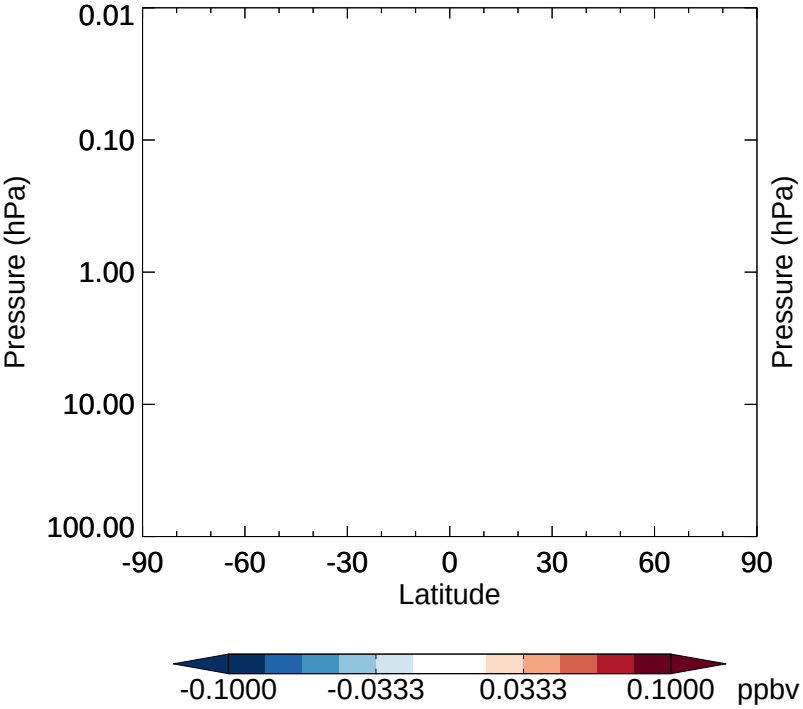
IEPOXA - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

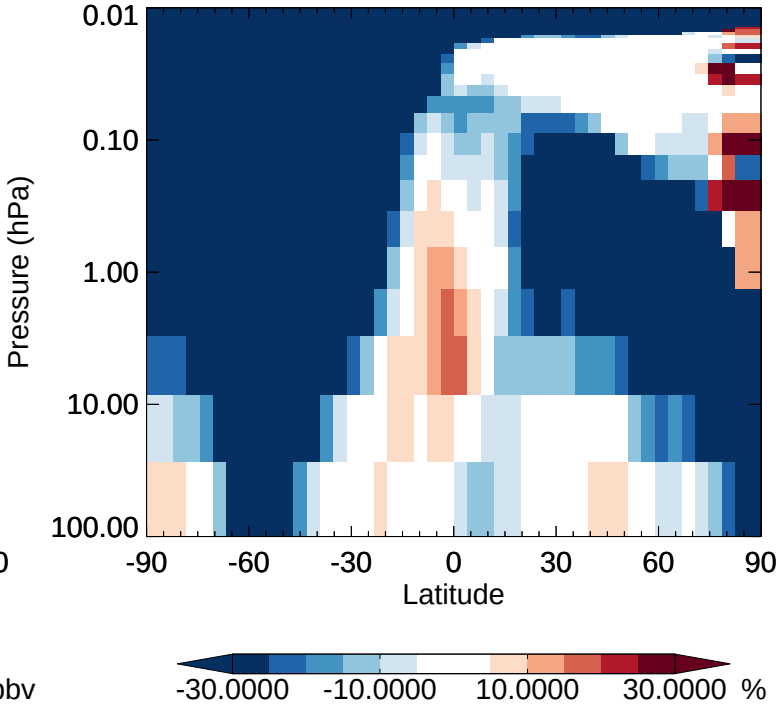
v11-02d - v11-02c

IEPOXB - Strat zonal mean abs diff for Jul



v11-02d / v11-02c

IEPOXB - Strat zonal mean % diff for Jul



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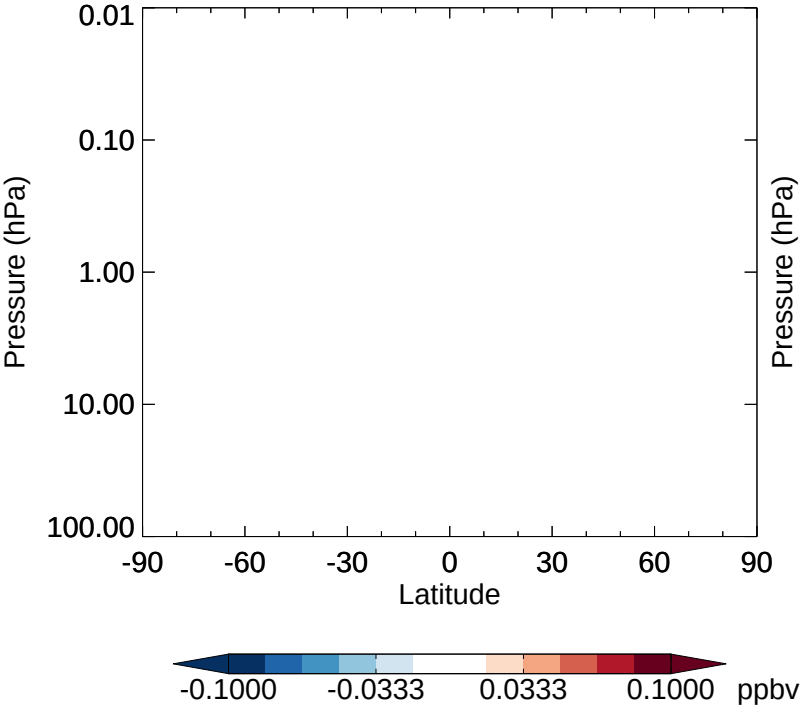
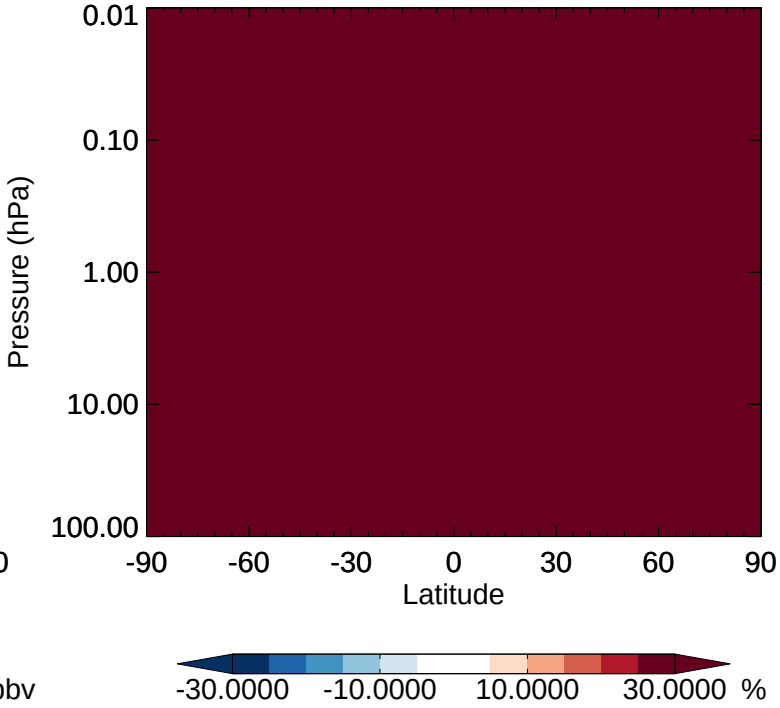
IEPOXB - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

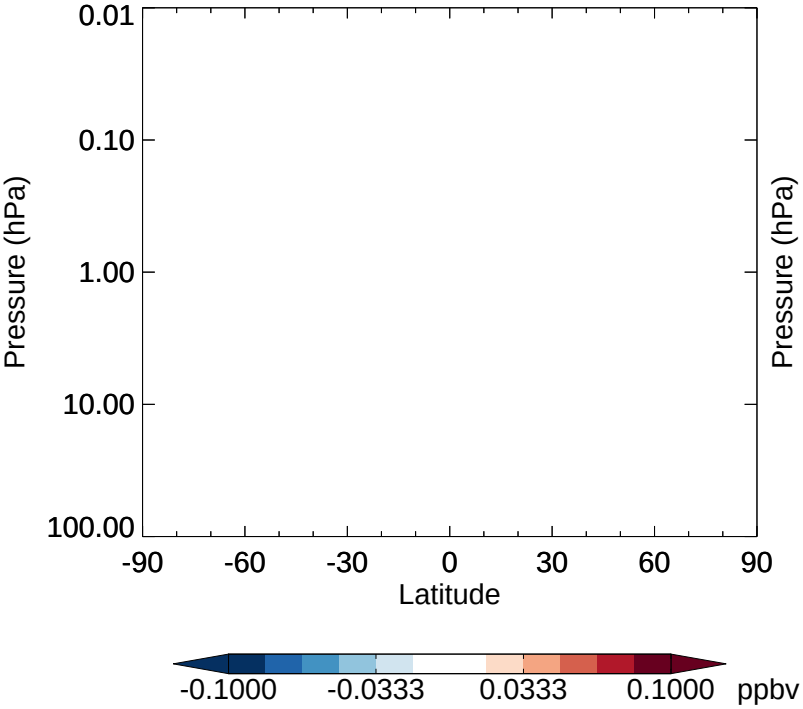
IEPOXB - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

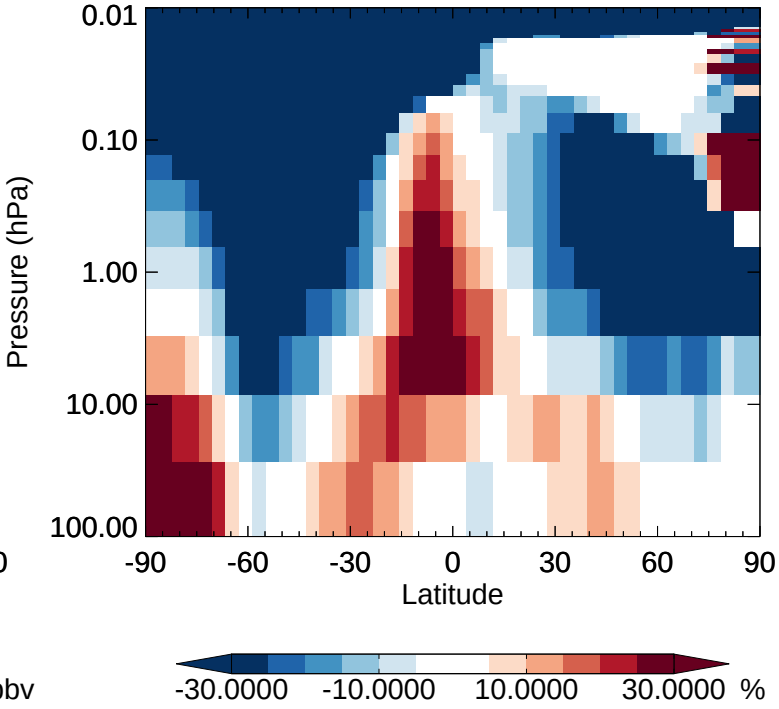
v11-02d - v11-02c

IEPOXD - Strat zonal mean abs diff for Jul



v11-02d / v11-02c

IEPOXD - Strat zonal mean % diff for Jul



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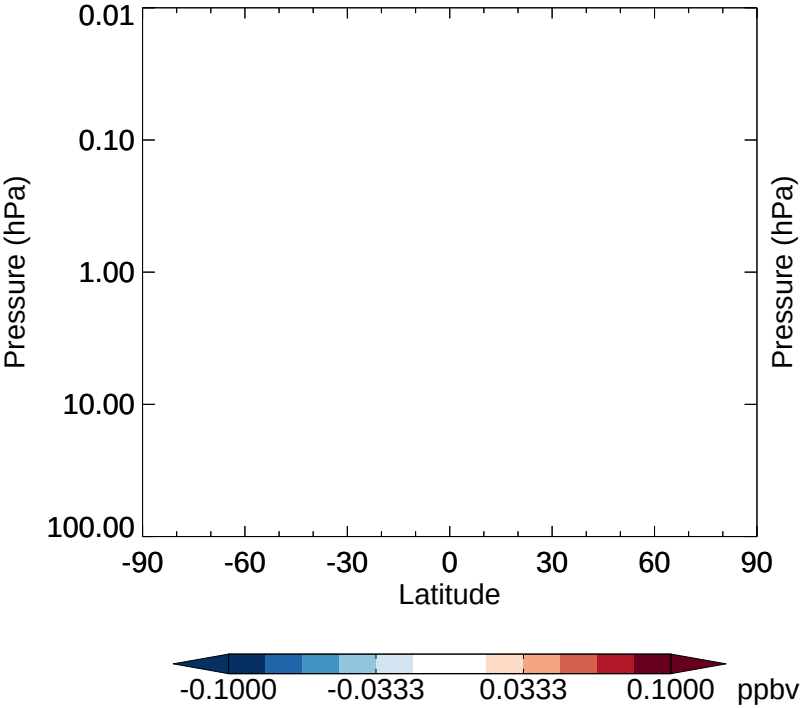
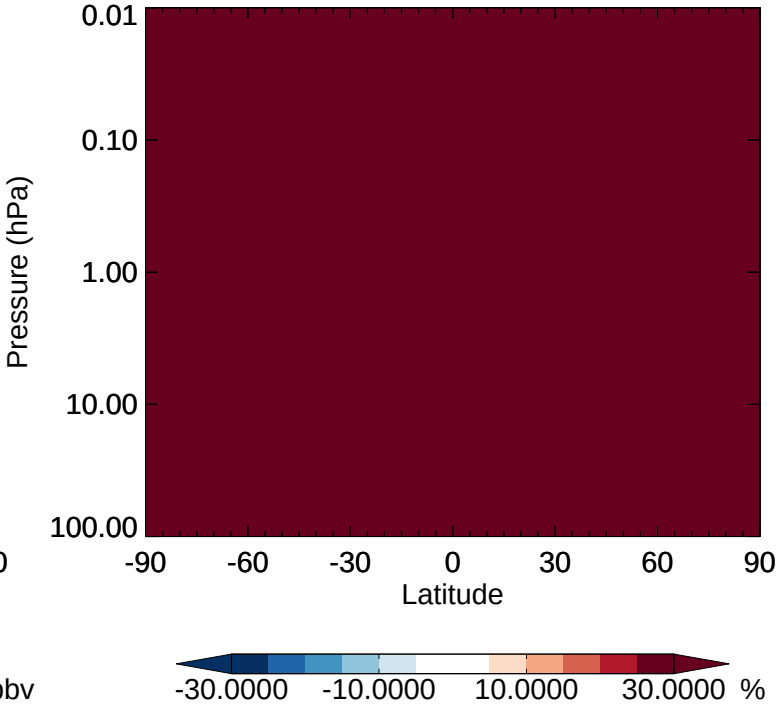
IEPOXD - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

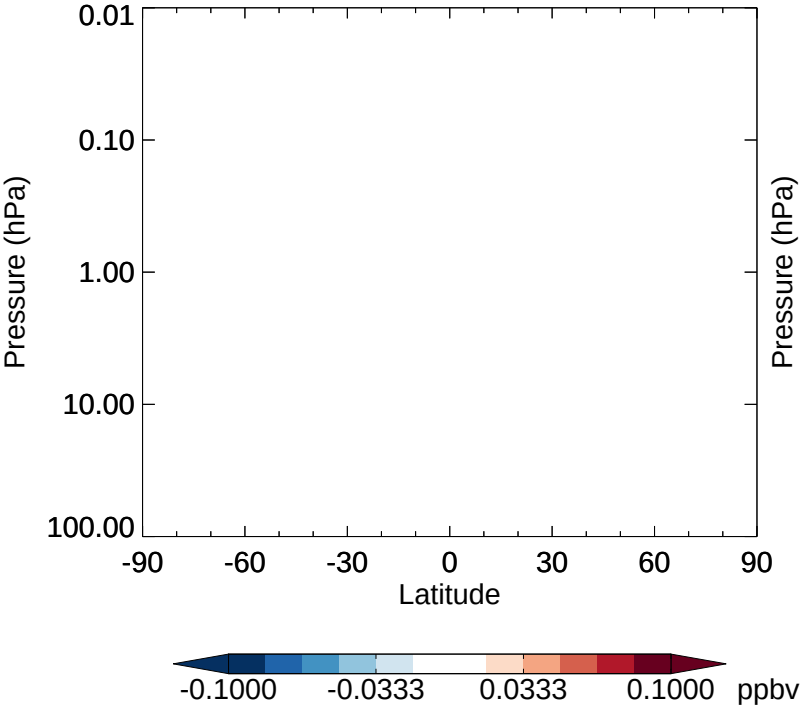
IEPOXD - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

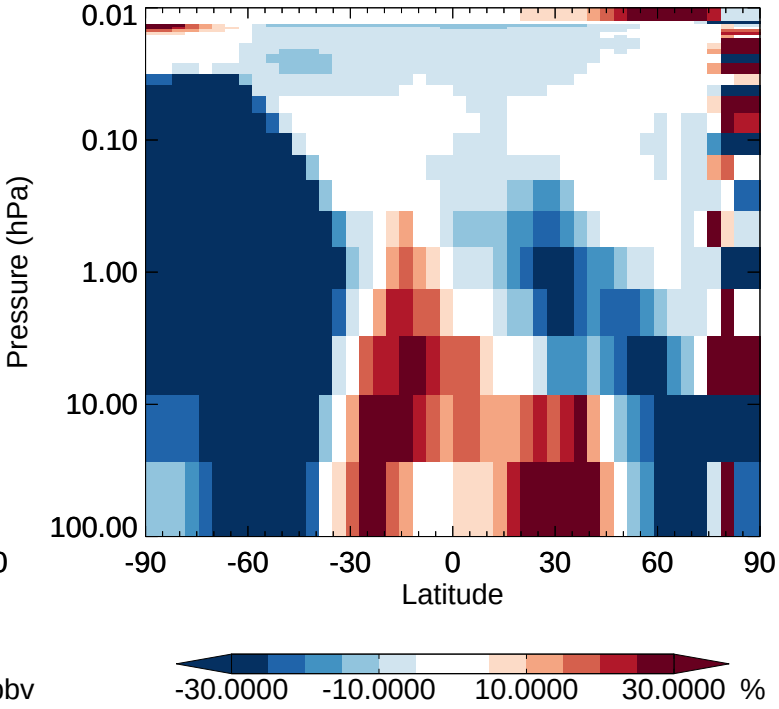
v11-02d - v11-02c

ISN1 - Strat zonal mean abs diff for Jul



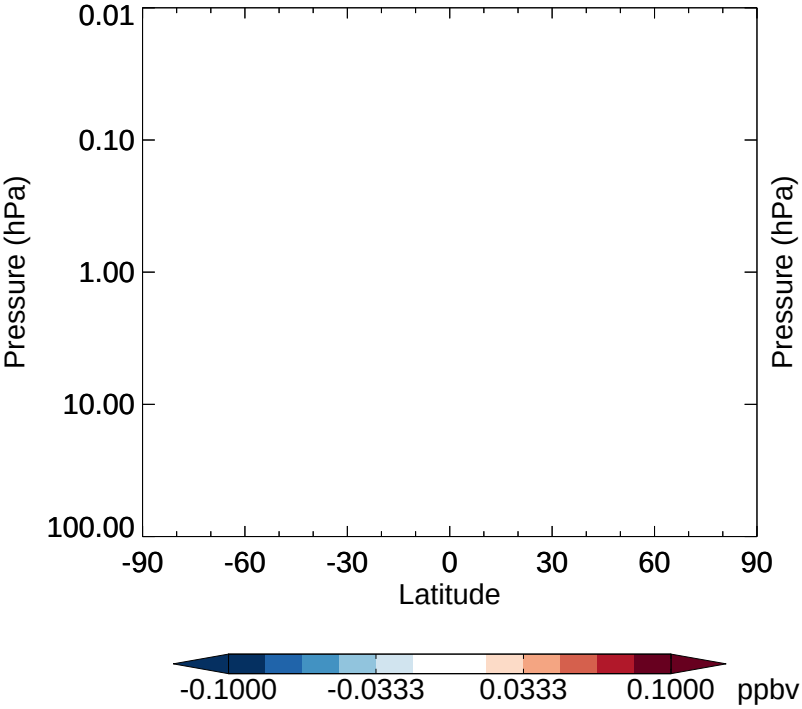
v11-02d / v11-02c

ISN1 - Strat zonal mean % diff for Jul



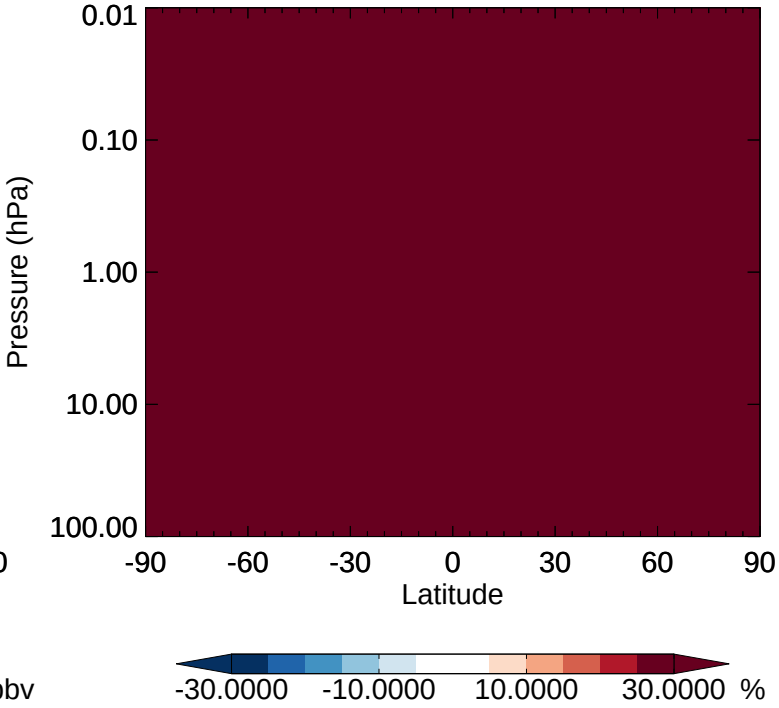
v11-02d - v11-02a

ISN1 - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

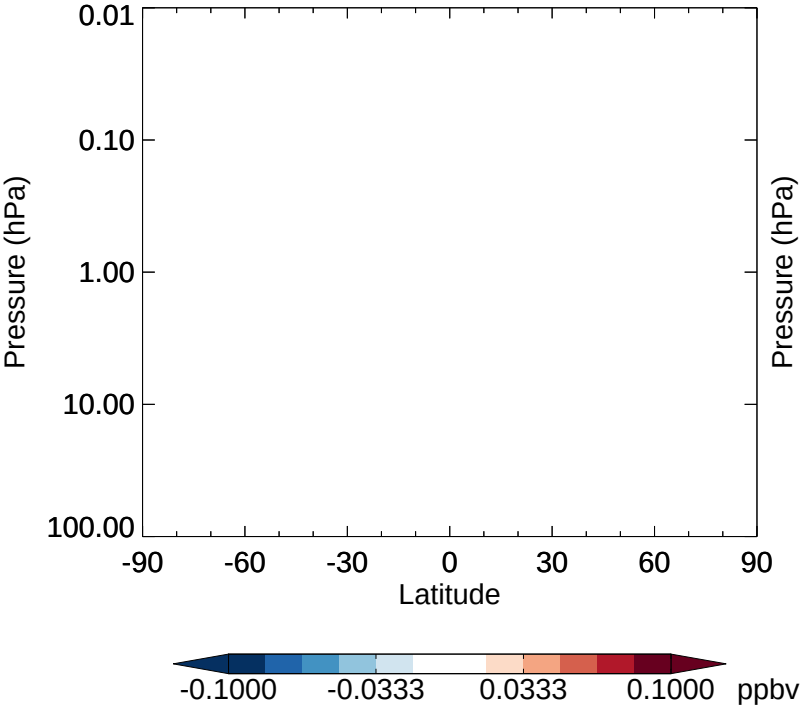
ISN1 - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

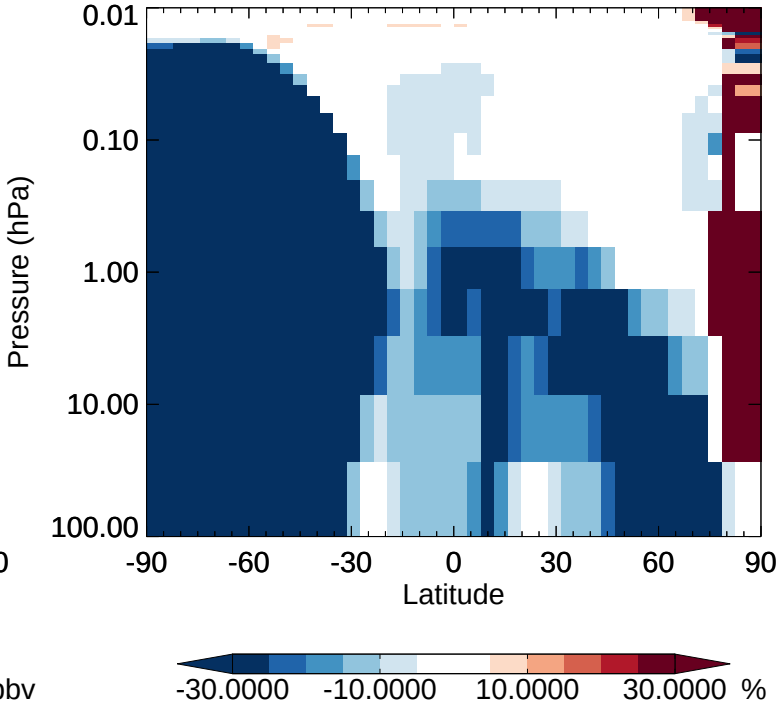
v11-02d - v11-02c

RIPA - Strat zonal mean abs diff for Jul



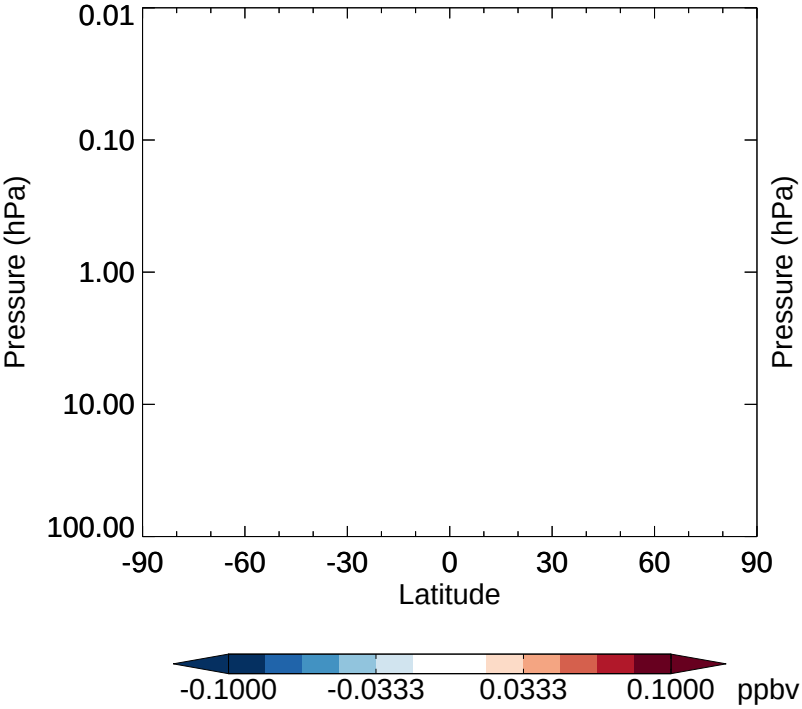
v11-02d / v11-02c

RIPA - Strat zonal mean % diff for Jul



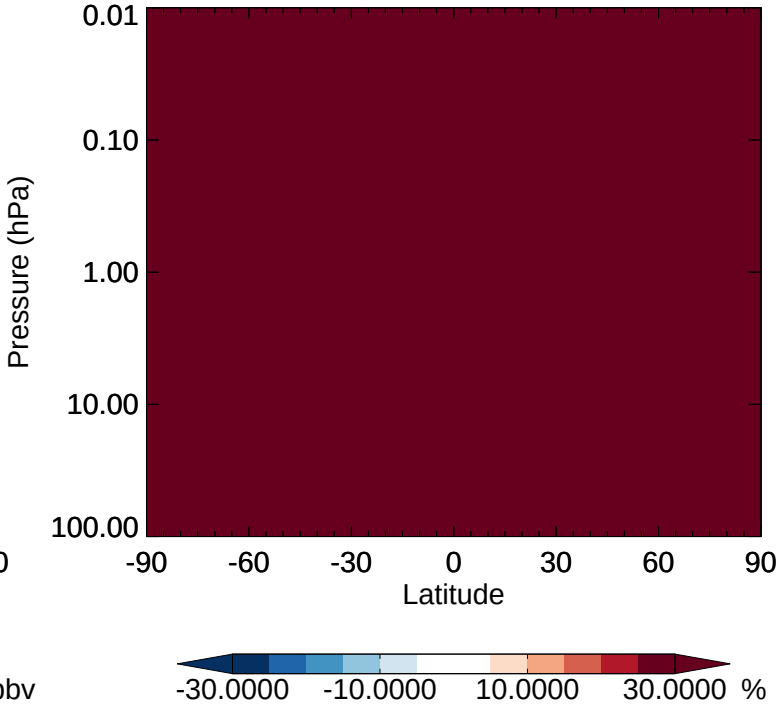
v11-02d - v11-02a

RIPA - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

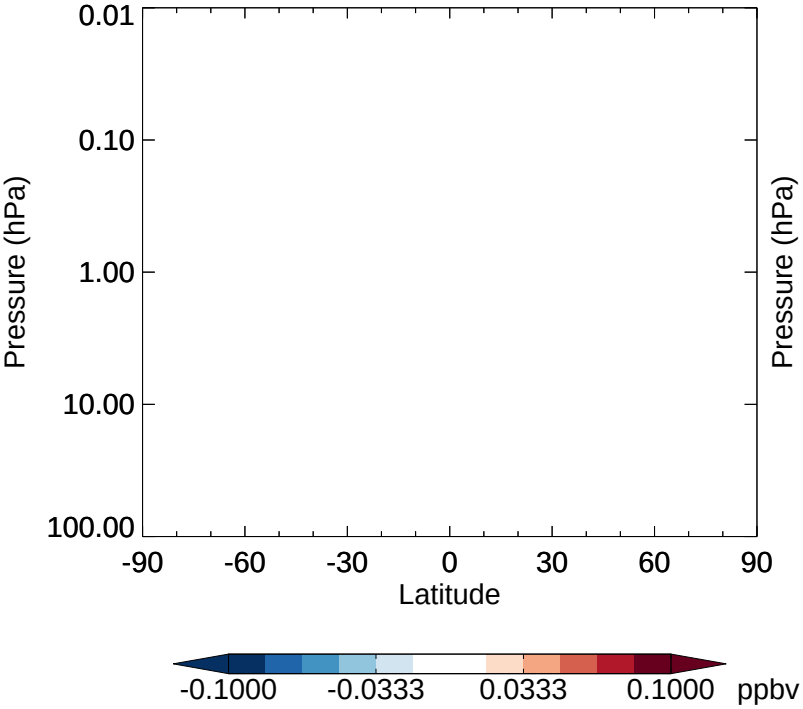
RIPA - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

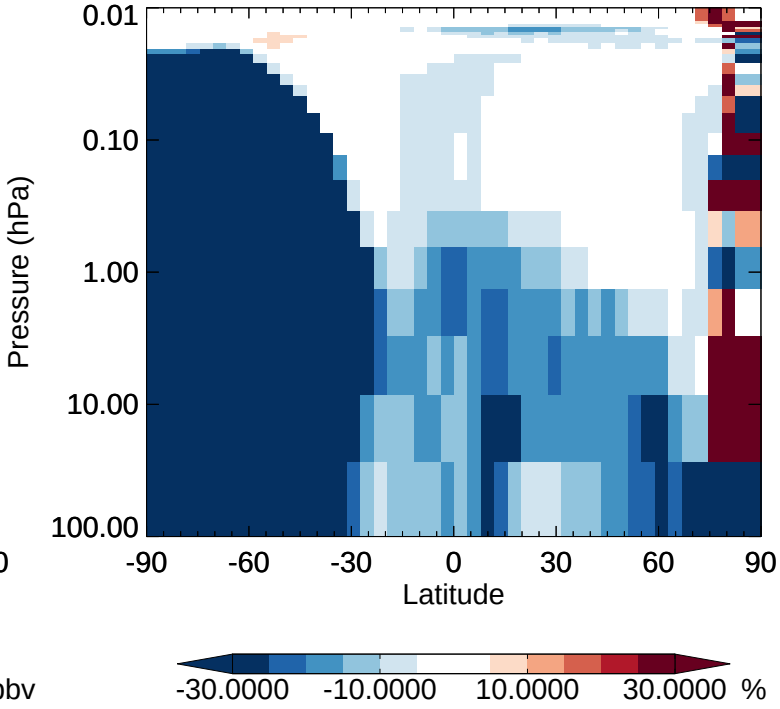
v11-02d - v11-02c

RIPB - Strat zonal mean abs diff for Jul



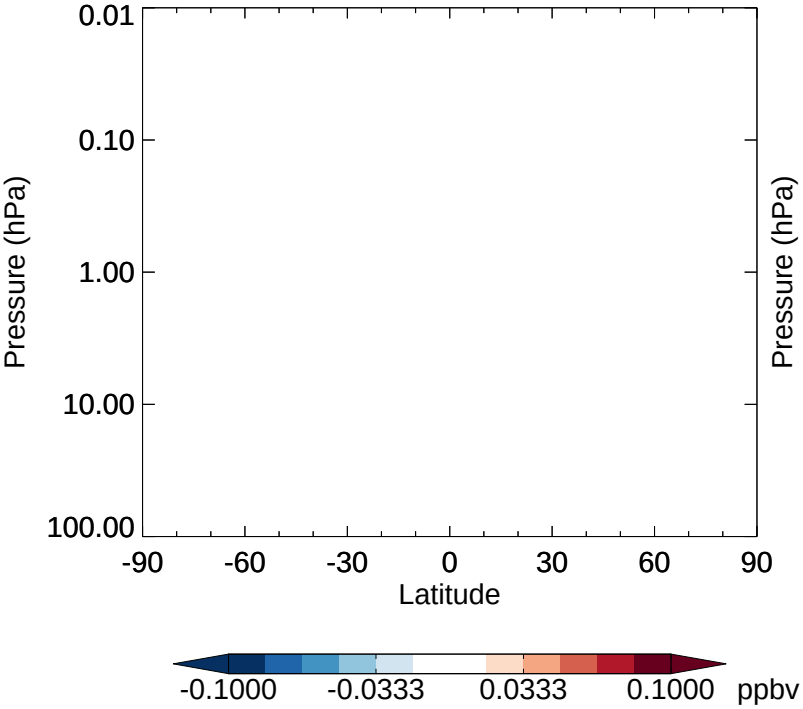
v11-02d / v11-02c

RIPB - Strat zonal mean % diff for Jul



v11-02d - v11-02a

RIPB - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

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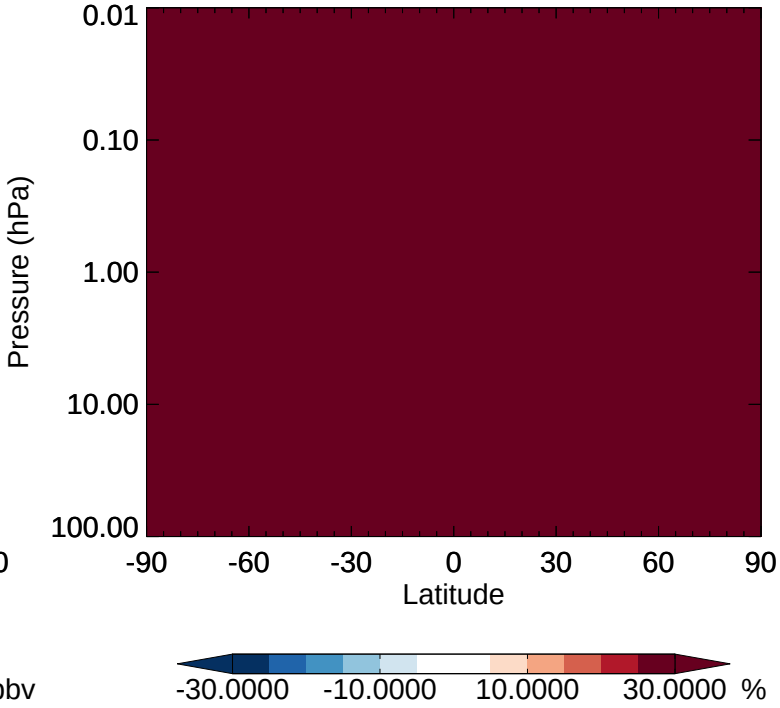
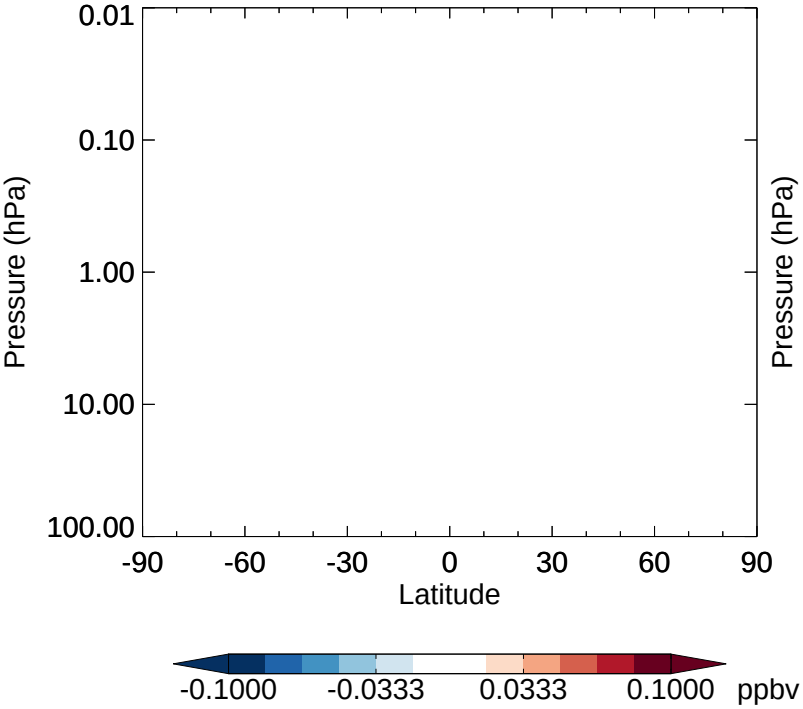


GEOS-Chem Stratospheric Zonal Difference Maps

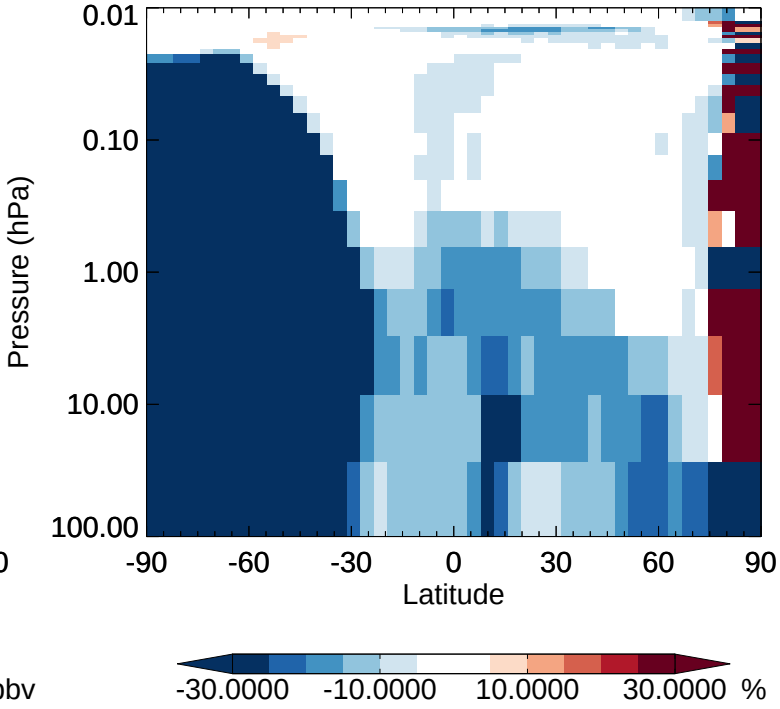
v11-02d - v11-02c

RIPD - Strat zonal mean abs diff for Jul



v11-02d / v11-02c

RIPD - Strat zonal mean % diff for Jul



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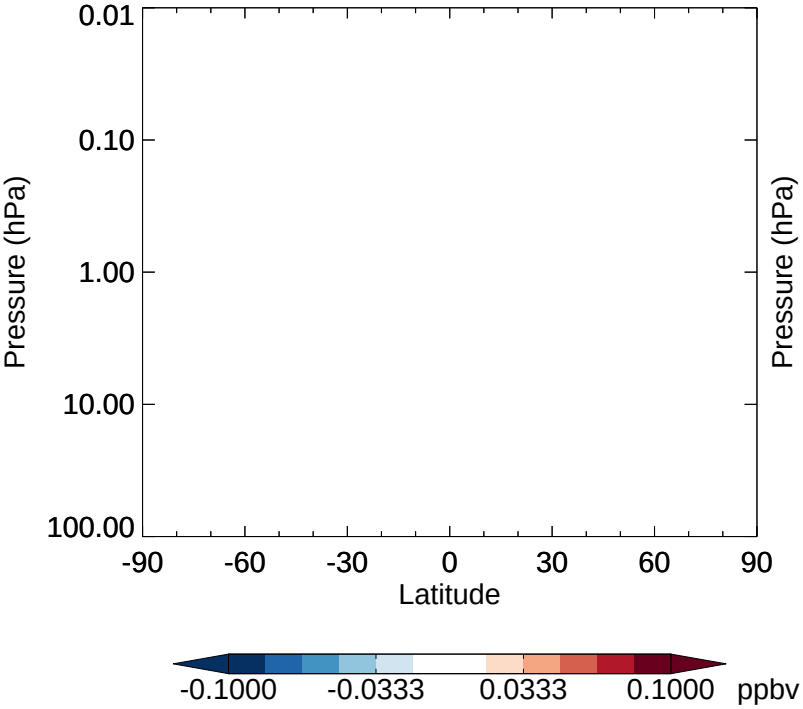
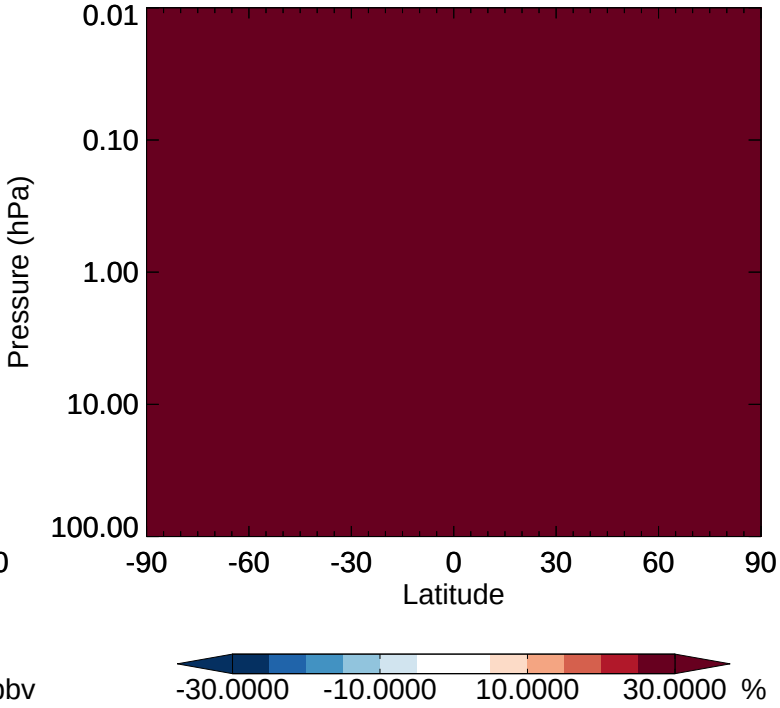
RIPD - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

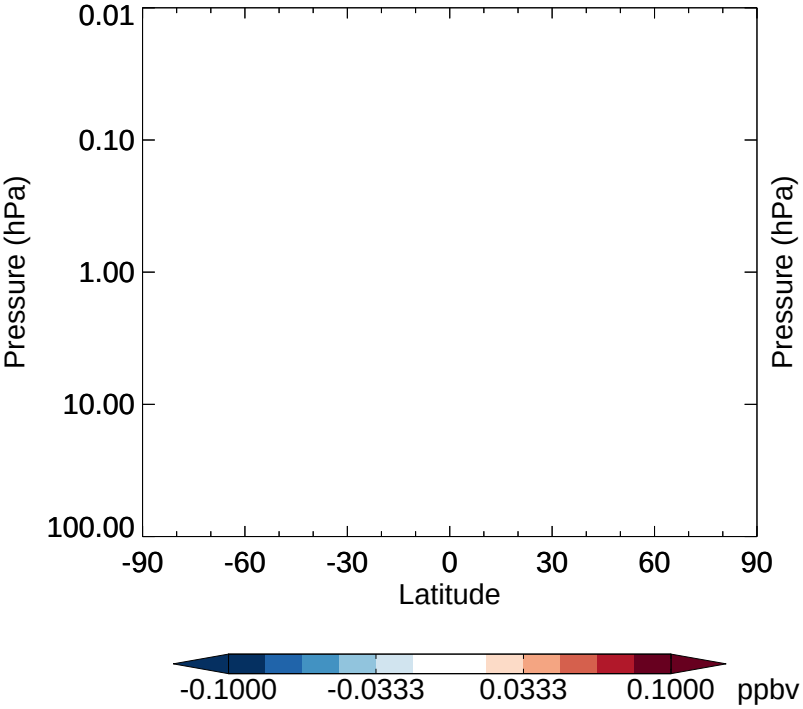
RIPD - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

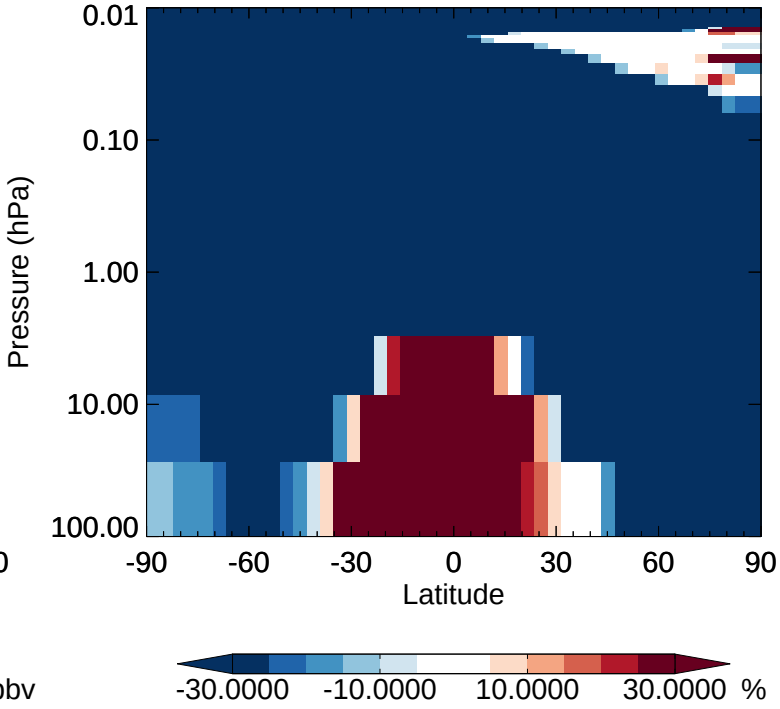
v11-02d - v11-02c

IMAE - Strat zonal mean abs diff for Jul



v11-02d / v11-02c

IMAE - Strat zonal mean % diff for Jul



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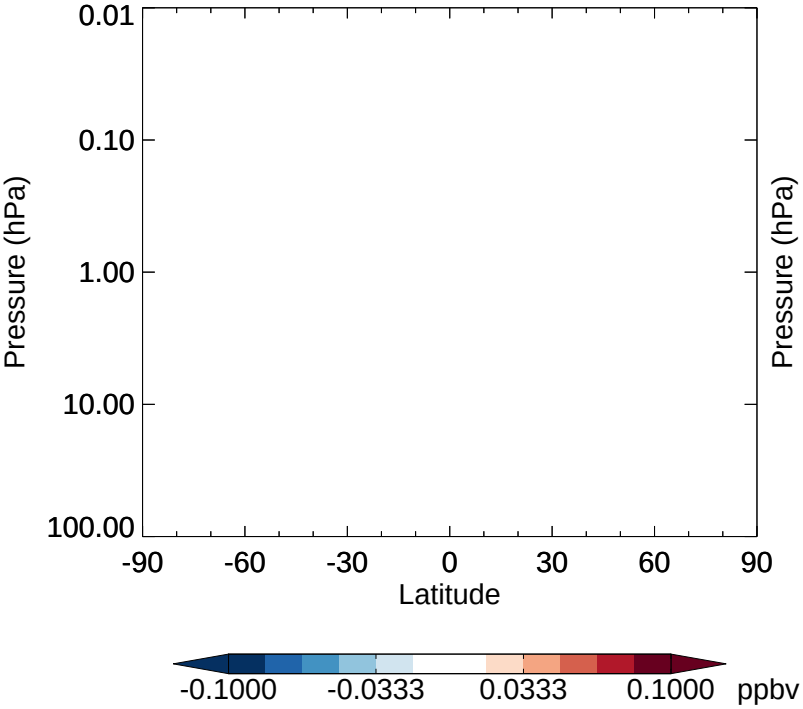
IMAE - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

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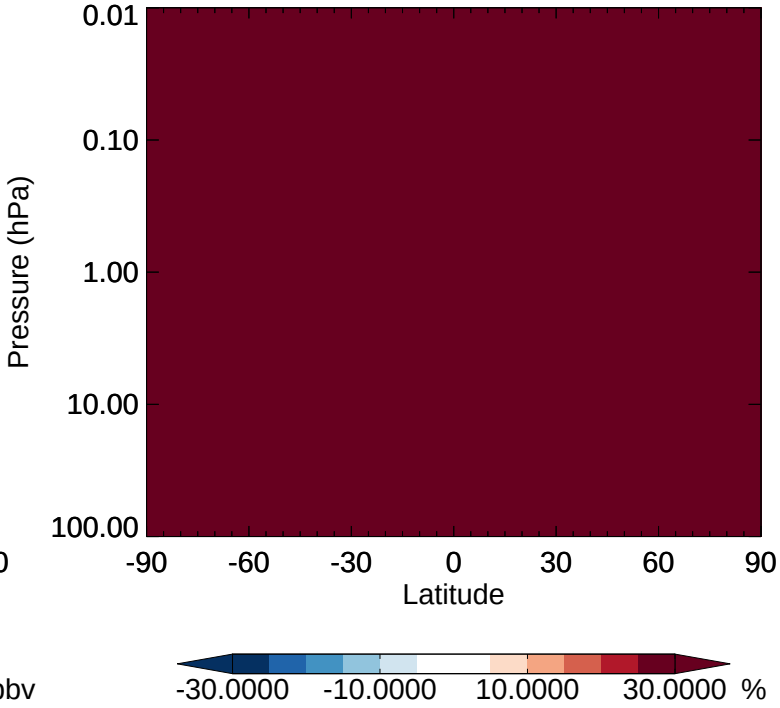
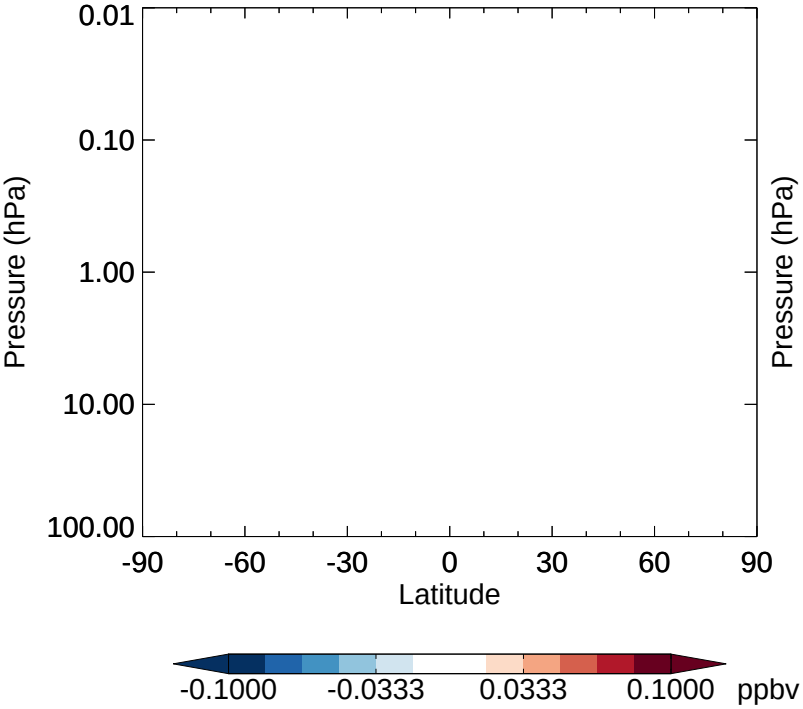


GEOS-Chem Stratospheric Zonal Difference Maps

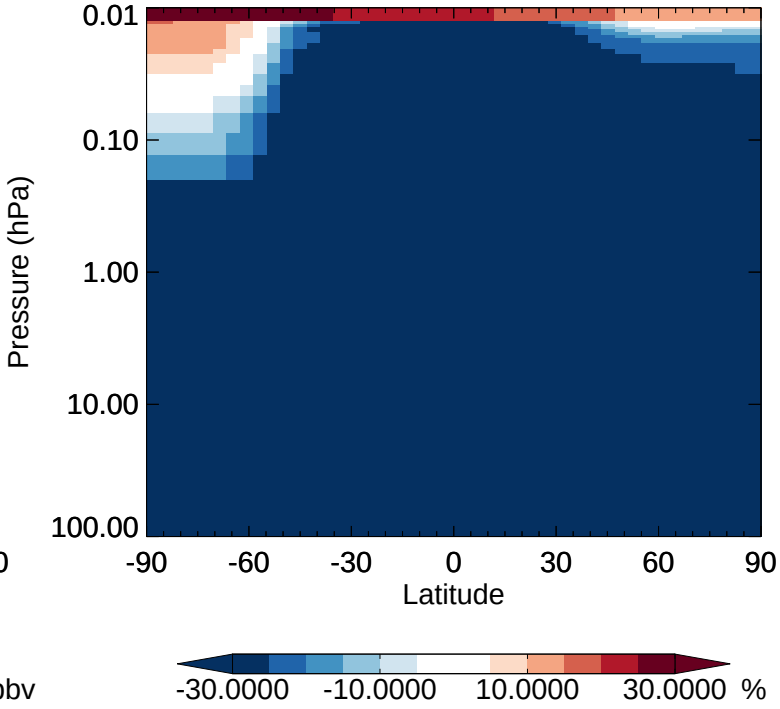
v11-02d - v11-02c

SOAIE - Strat zonal mean abs diff for Jul



v11-02d / v11-02c

SOAIE - Strat zonal mean % diff for Jul



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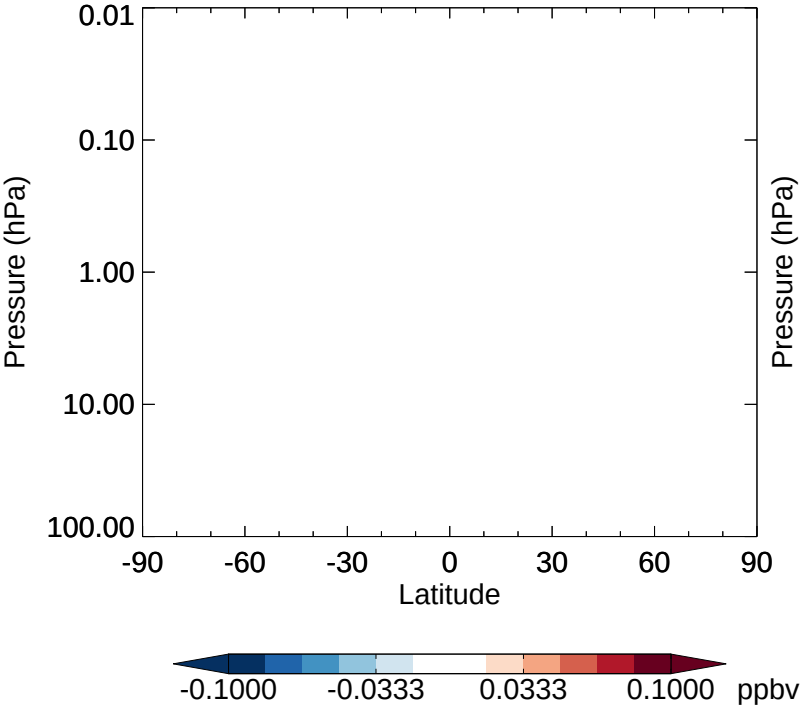
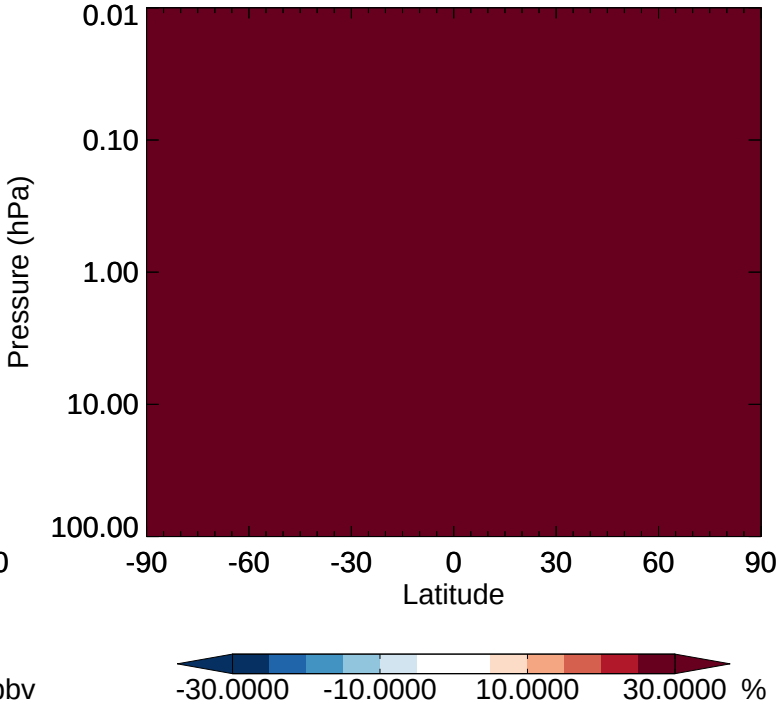
SOAIE - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

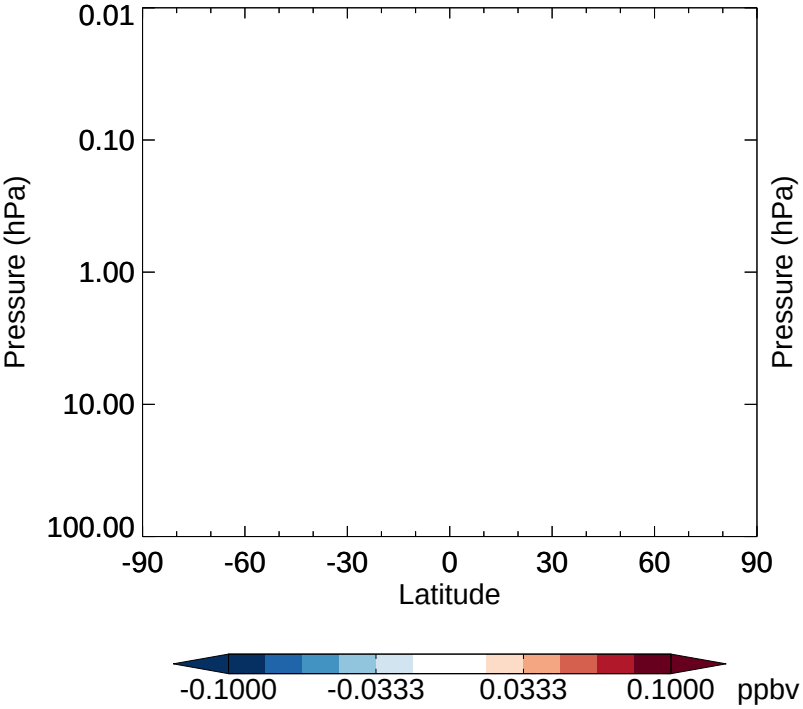
SOAIE - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

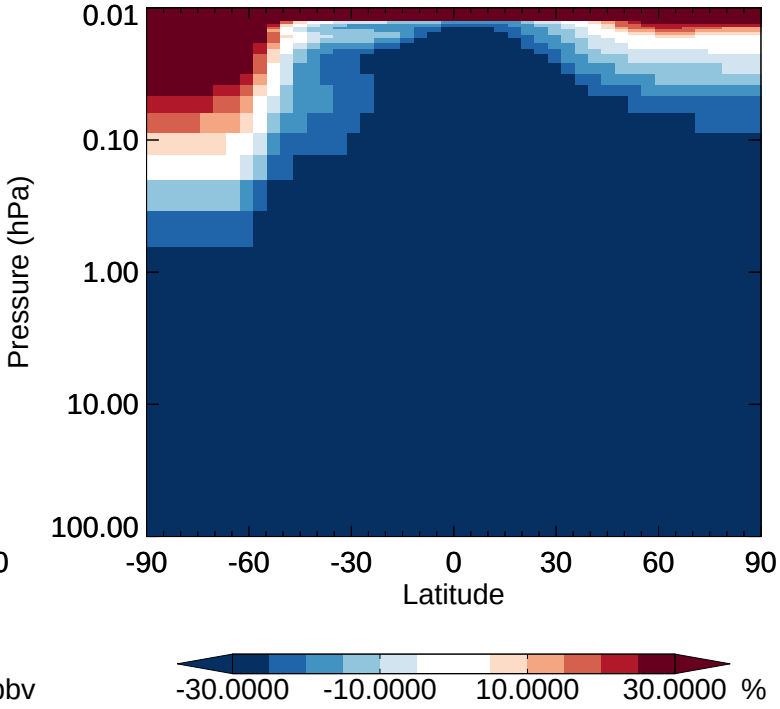
v11-02d - v11-02c

SOAME - Strat zonal mean abs diff for Jul



v11-02d / v11-02c

SOAME - Strat zonal mean % diff for Jul



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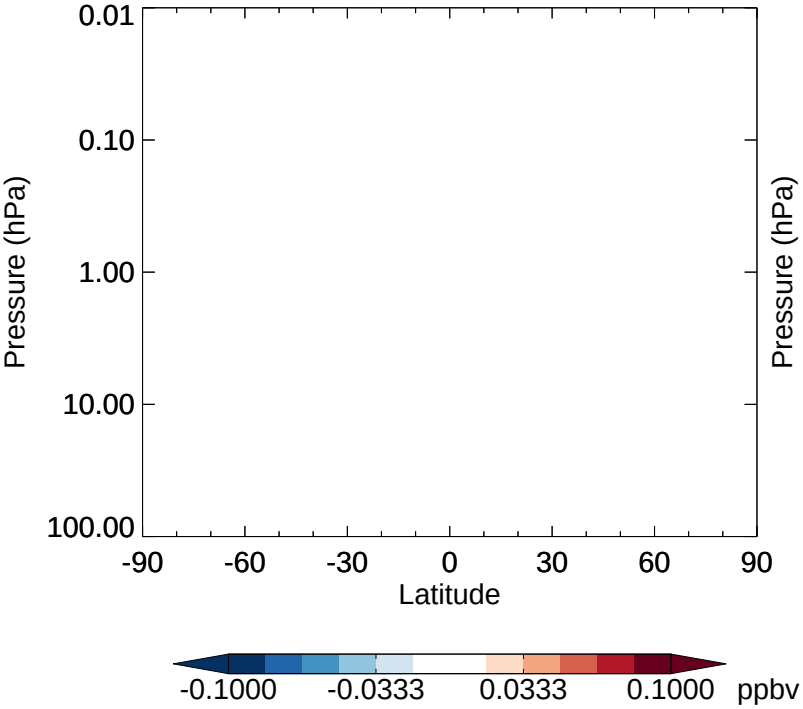
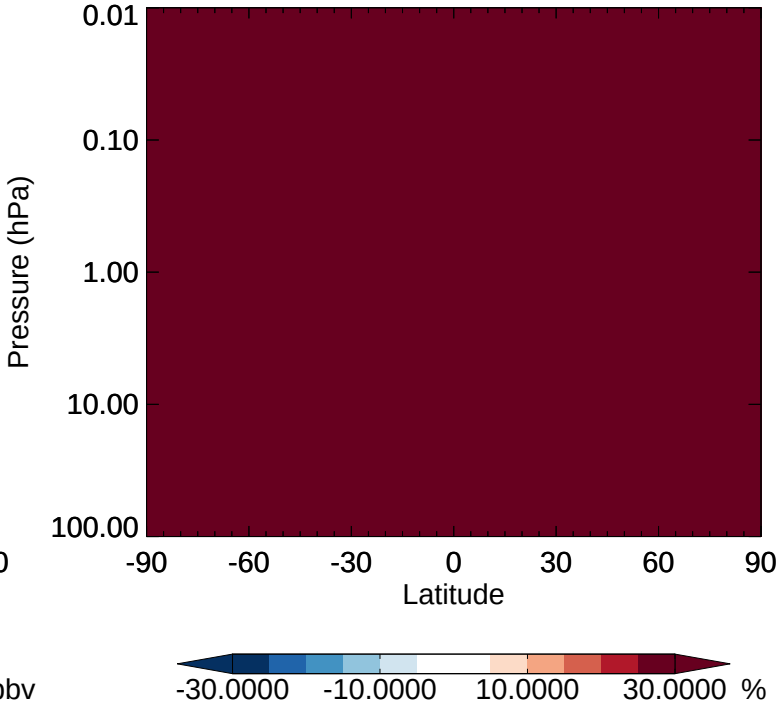
SOAME - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

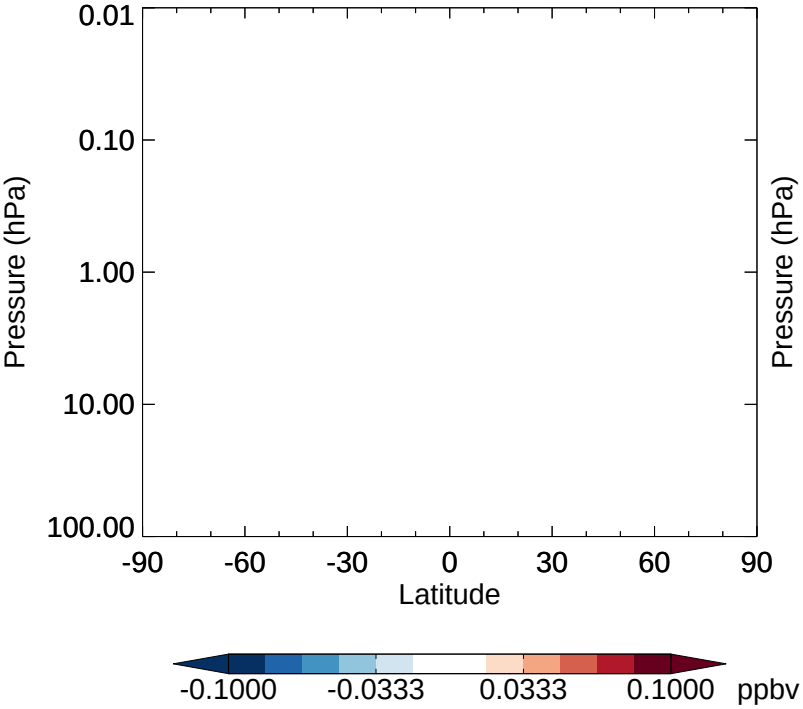
SOAME - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

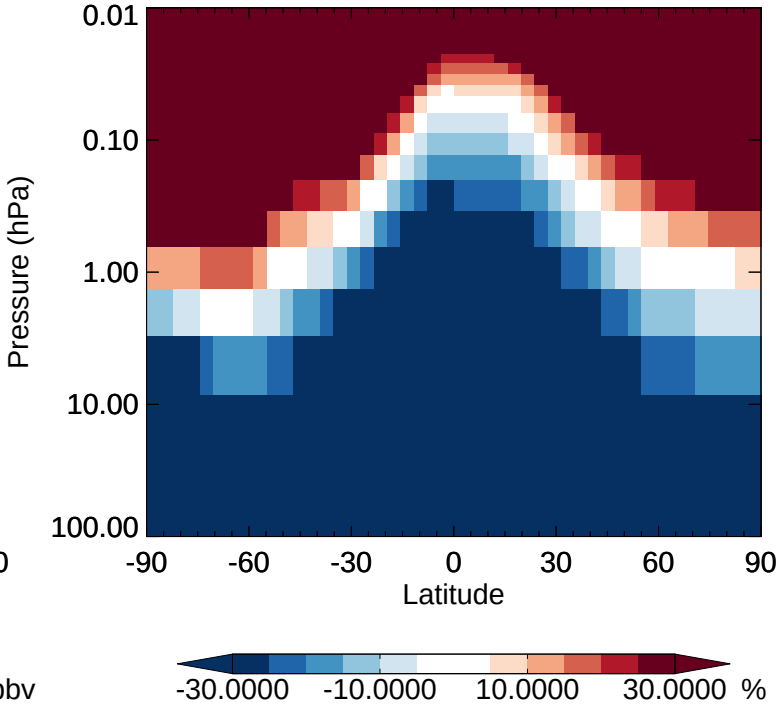
v11-02d - v11-02c

SOAGX - Strat zonal mean abs diff for Jul



v11-02d / v11-02c

SOAGX - Strat zonal mean % diff for Jul



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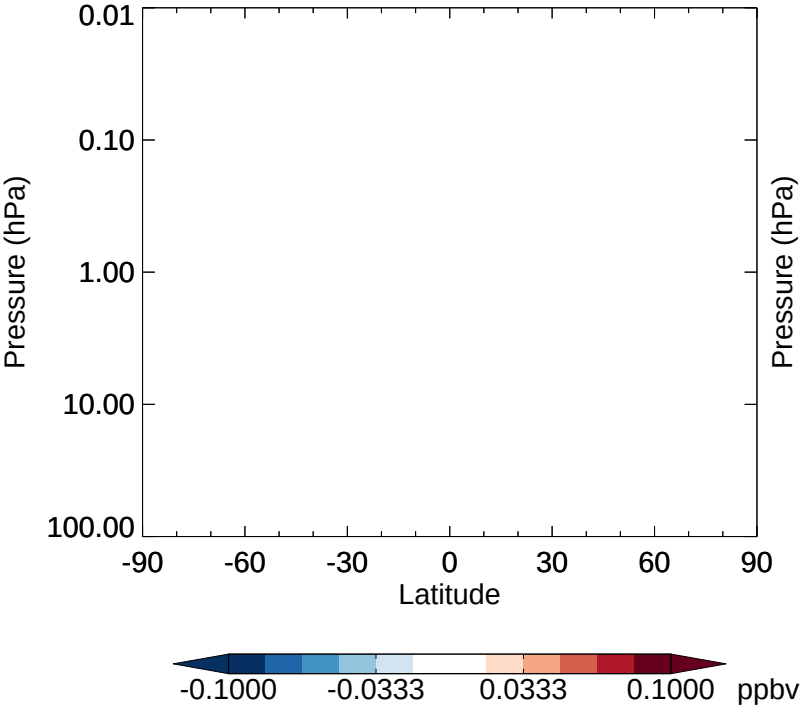
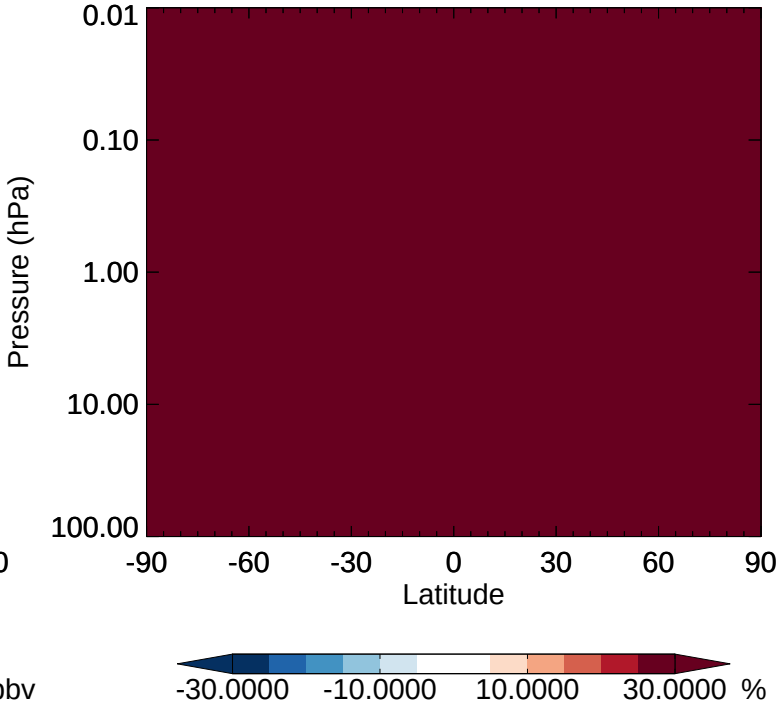
SOAGX - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

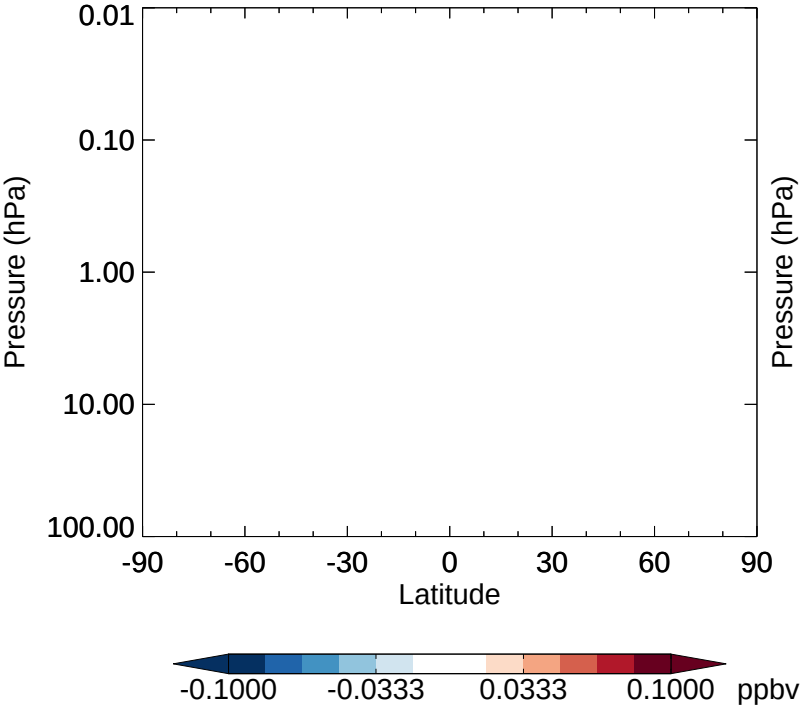
SOAGX - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

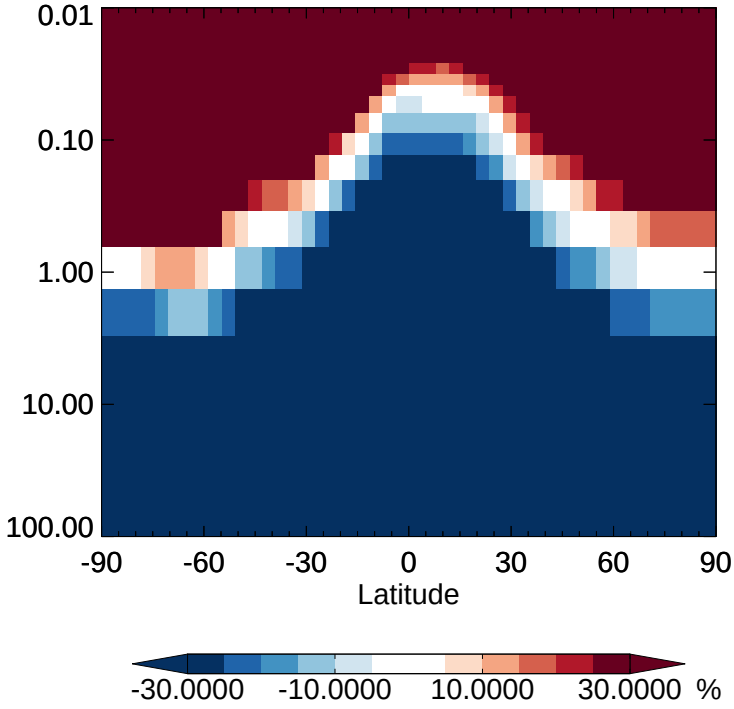
v11-02d - v11-02c

SOAMG - Strat zonal mean abs diff for Jul



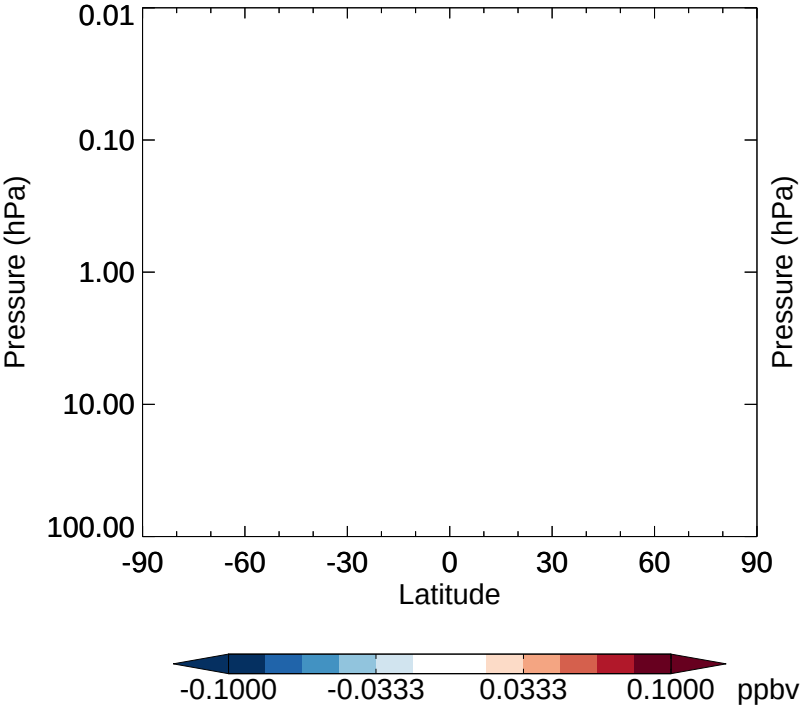
v11-02d / v11-02c

SOAMG - Strat zonal mean % diff for Jul



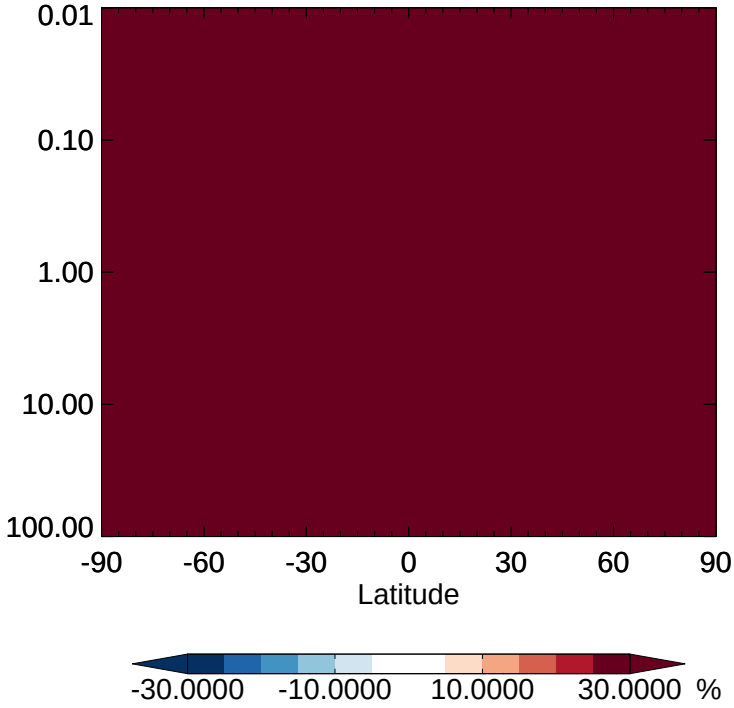
v11-02d - v11-02a

SOAMG - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

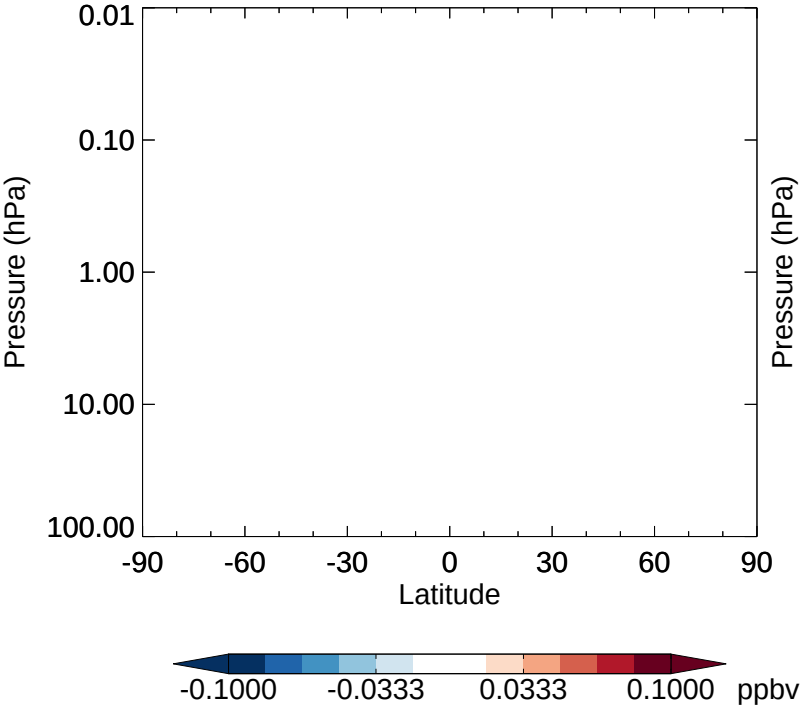
SOAMG - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

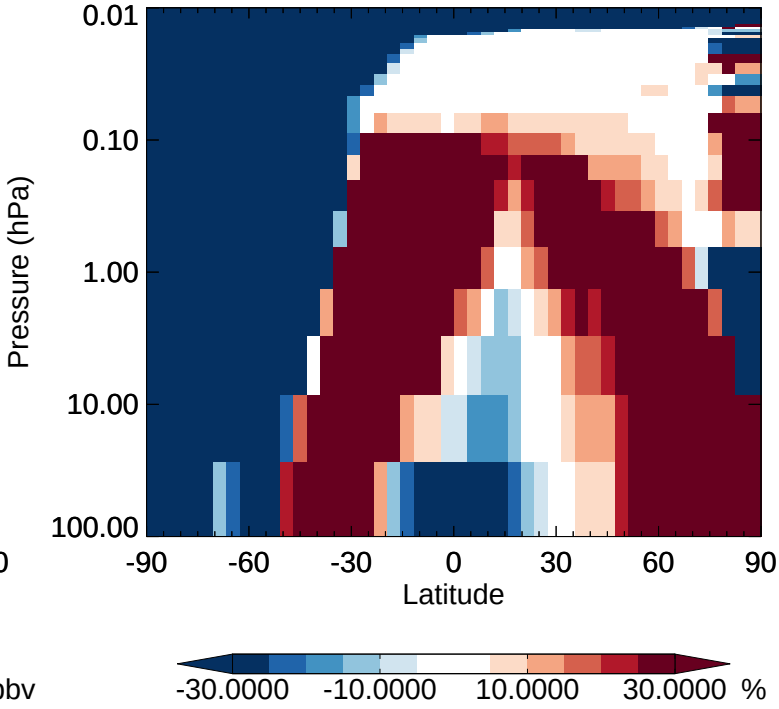
v11-02d - v11-02c

LVOC - Strat zonal mean abs diff for Jul



v11-02d / v11-02c

LVOC - Strat zonal mean % diff for Jul



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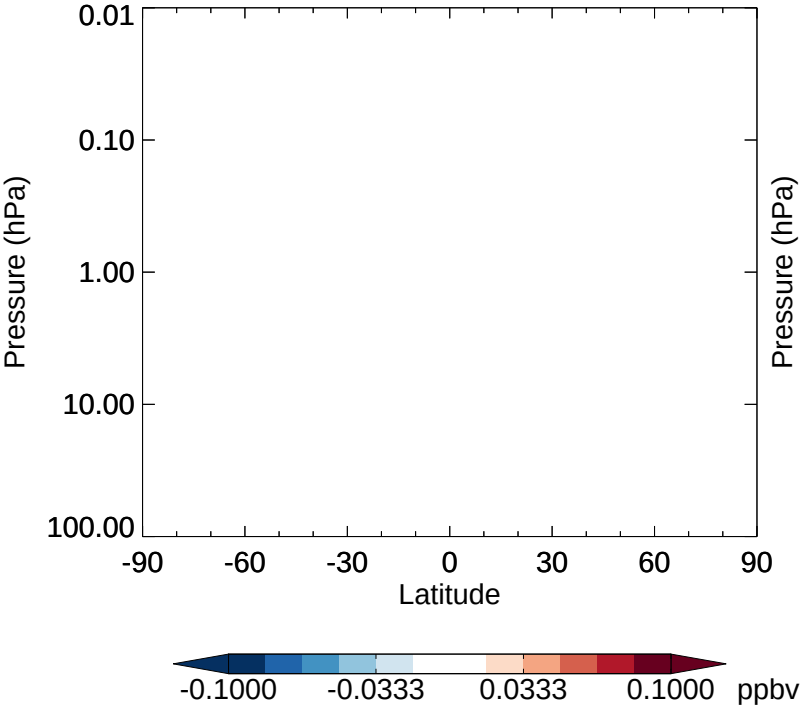
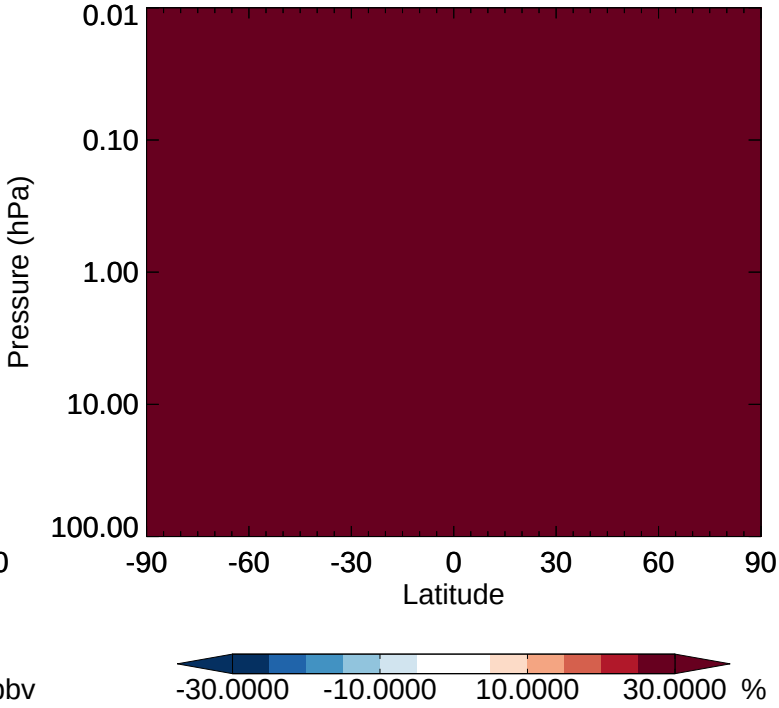
LVOC - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

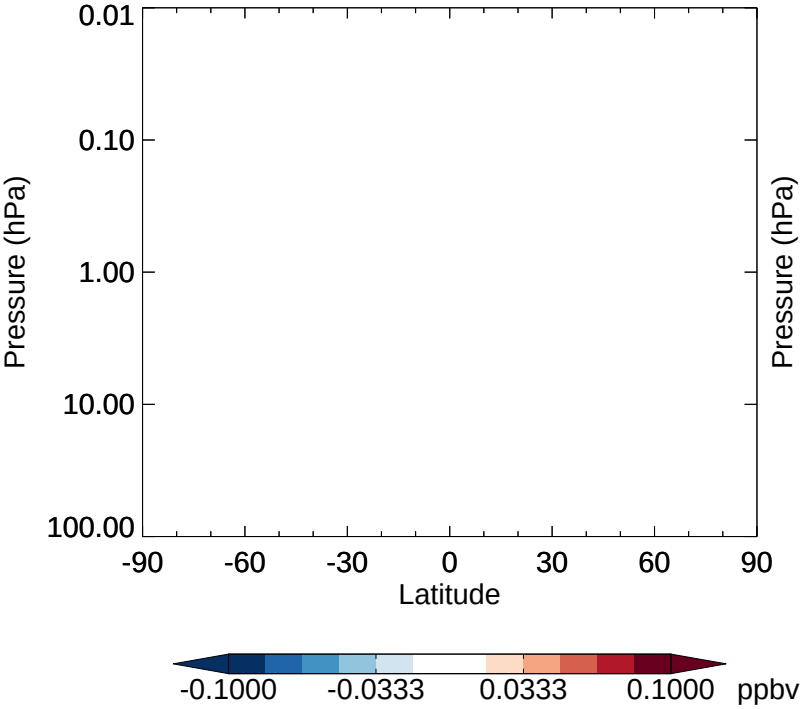
LVOC - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

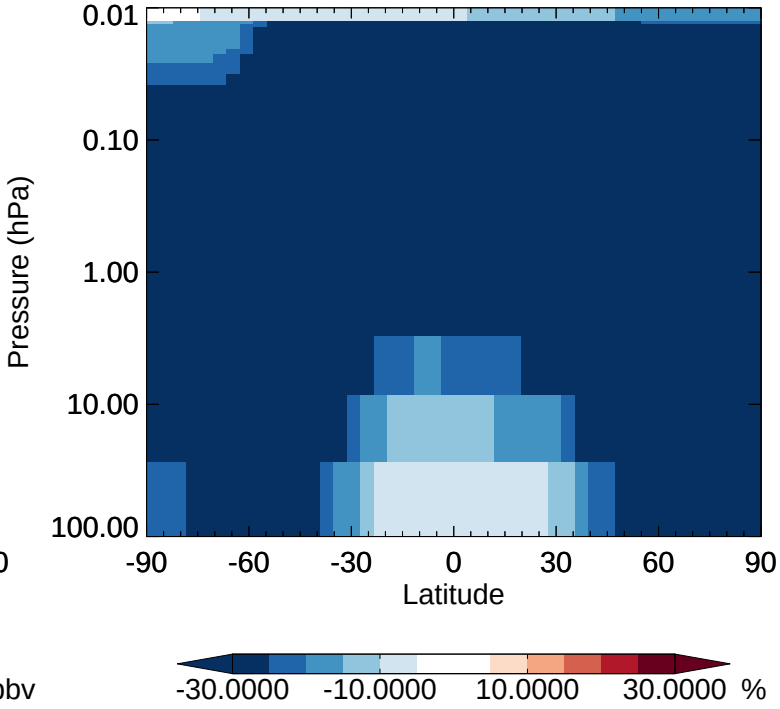
v11-02d - v11-02c

LVOCOA - Strat zonal mean abs diff for Jul



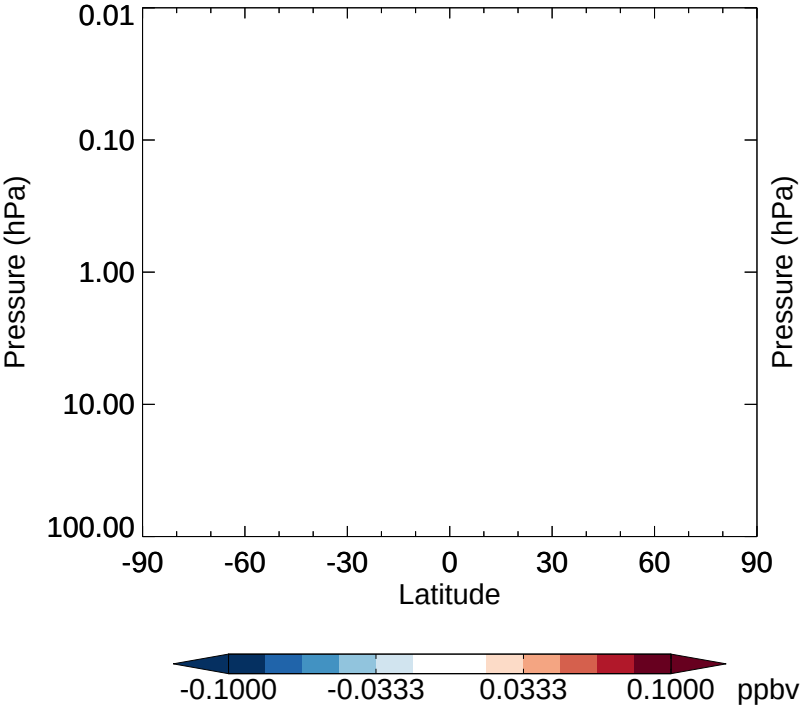
v11-02d / v11-02c

LVOCOA - Strat zonal mean % diff for Jul



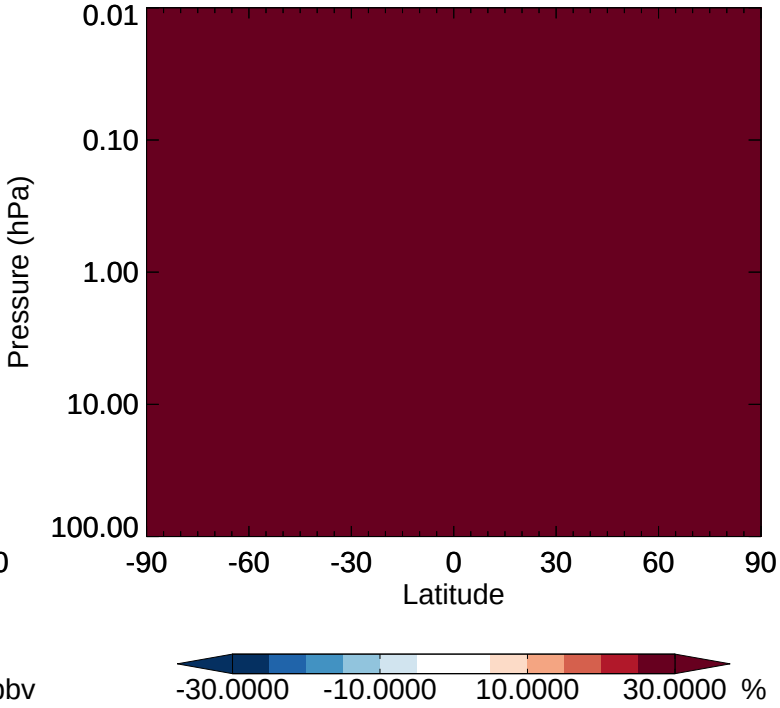
v11-02d - v11-02a

LVOCOA - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

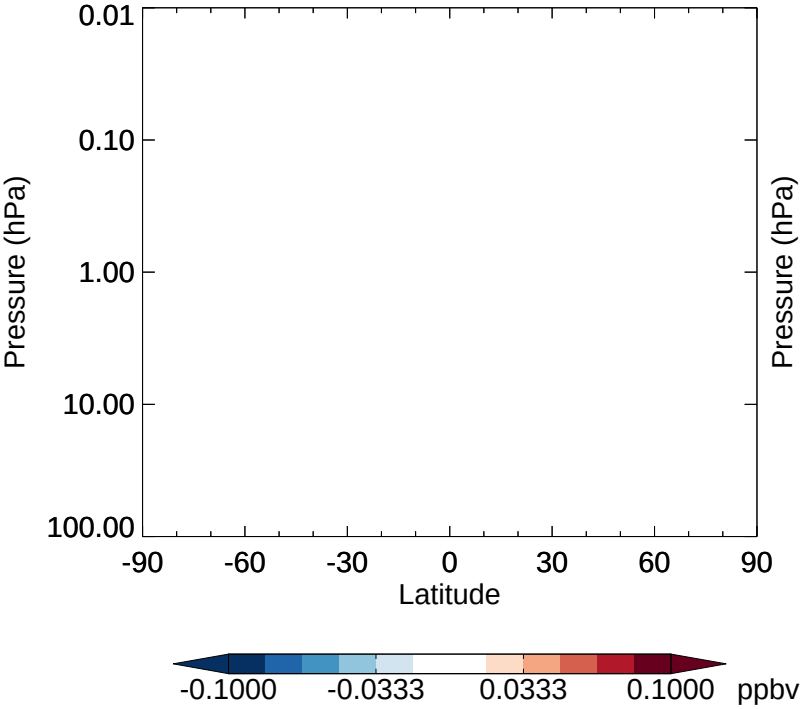
LVOCOA - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

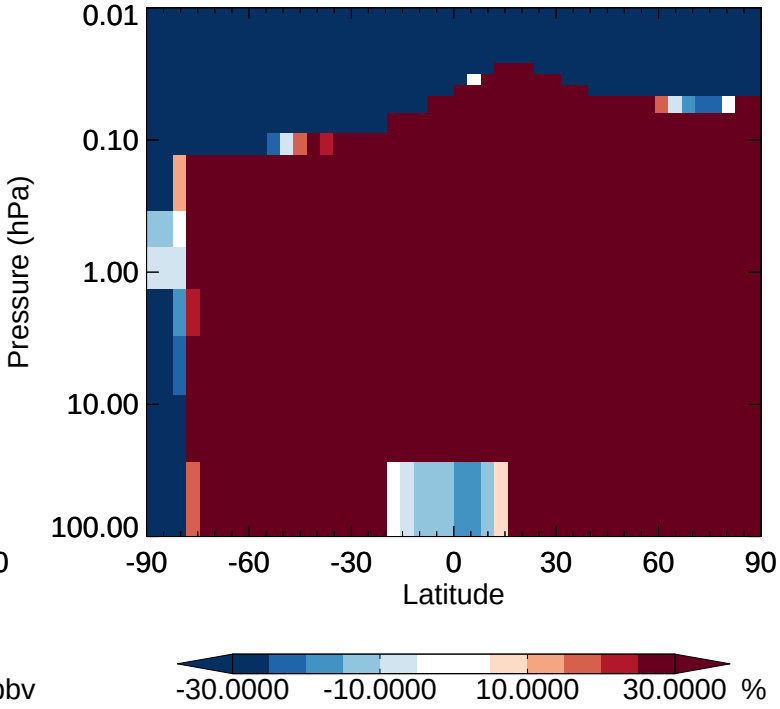
v11-02d - v11-02c

ISN1OG - Strat zonal mean abs diff for Jul



v11-02d / v11-02c

ISN1OG - Strat zonal mean % diff for Jul



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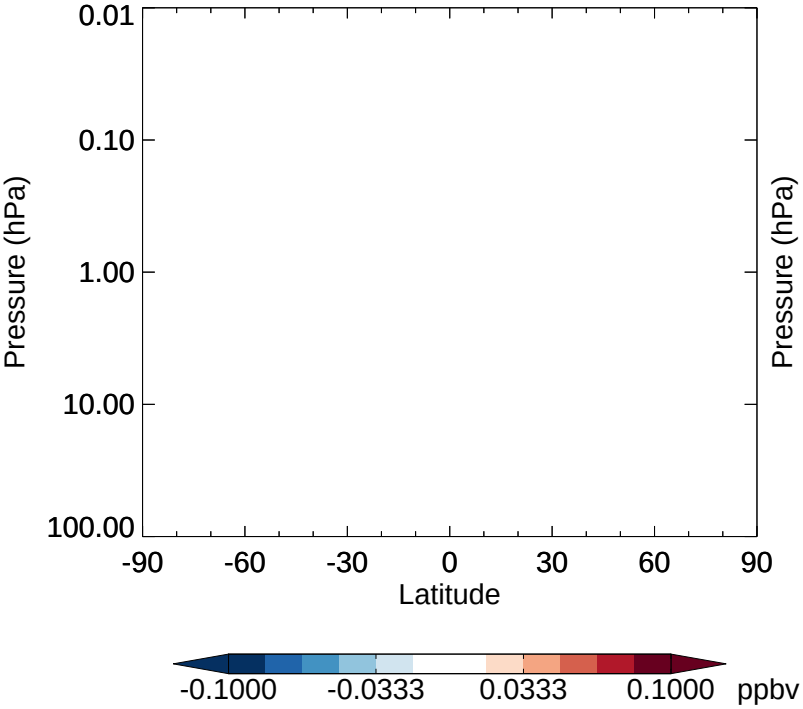
ISN1OG - Strat zonal mean abs diff for Jul



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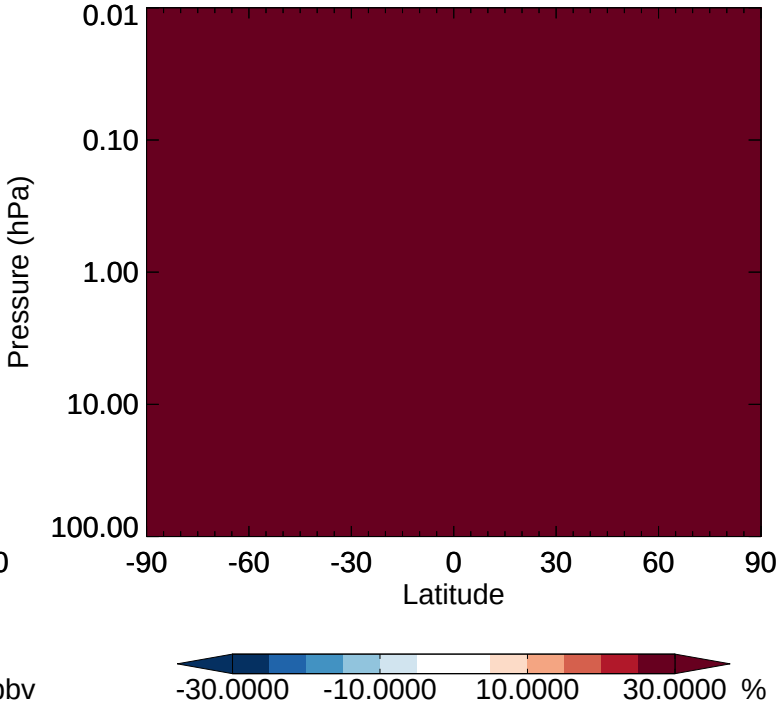
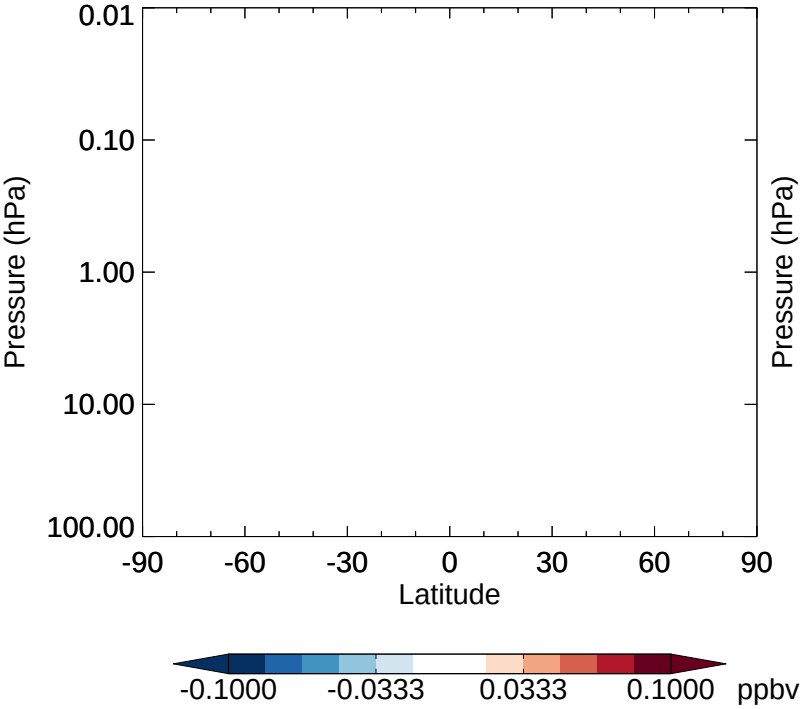


GEOS-Chem Stratospheric Zonal Difference Maps

v11-02d - v11-02c

ISN1OA - Strat zonal mean abs diff for Jul



v11-02d / v11-02c

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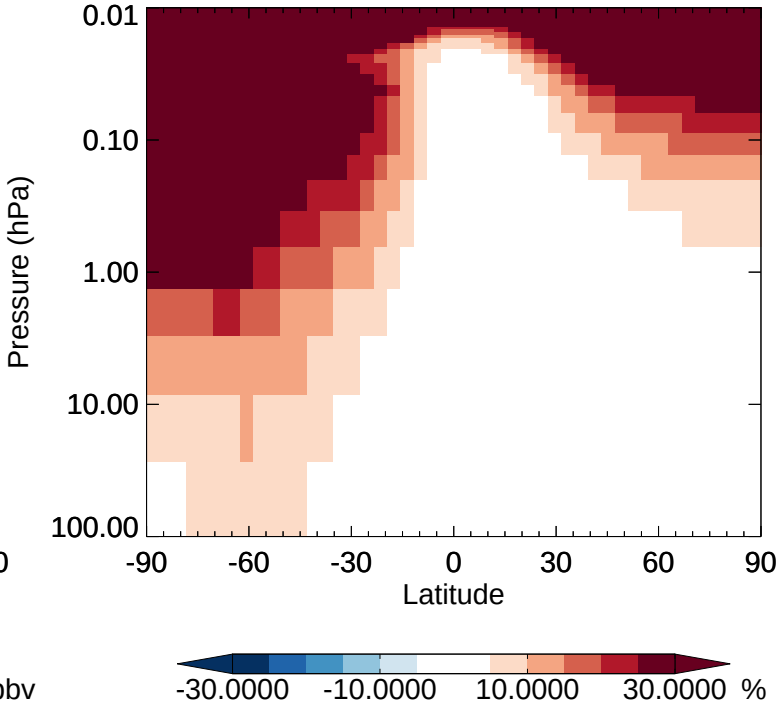
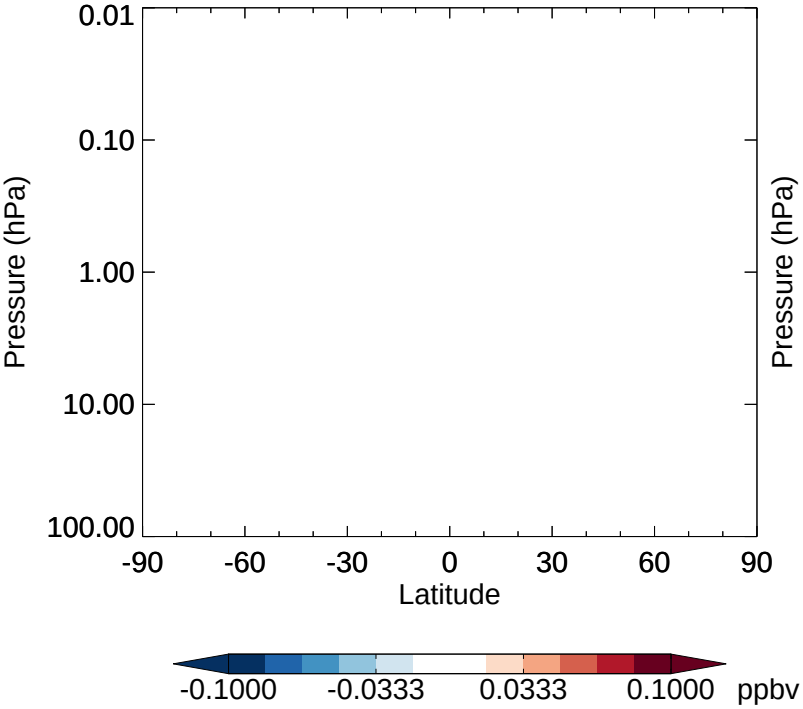


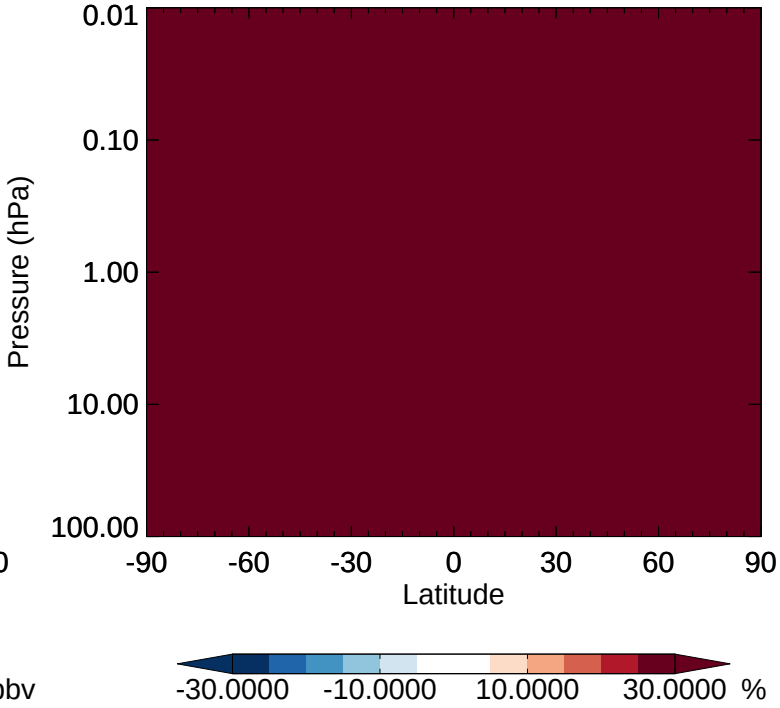
v11-02d - v11-02a

ISN1OA - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

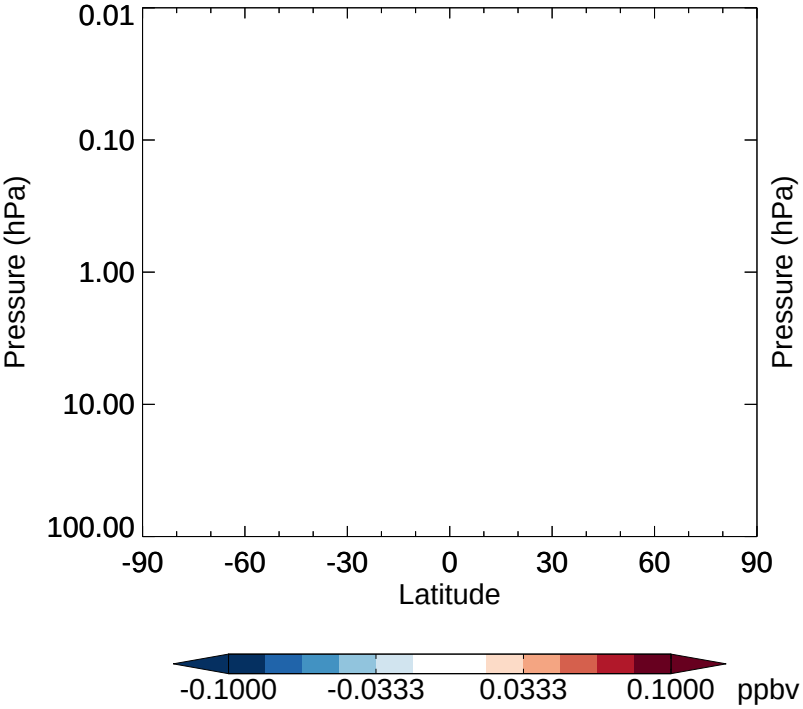
ISN1OA - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

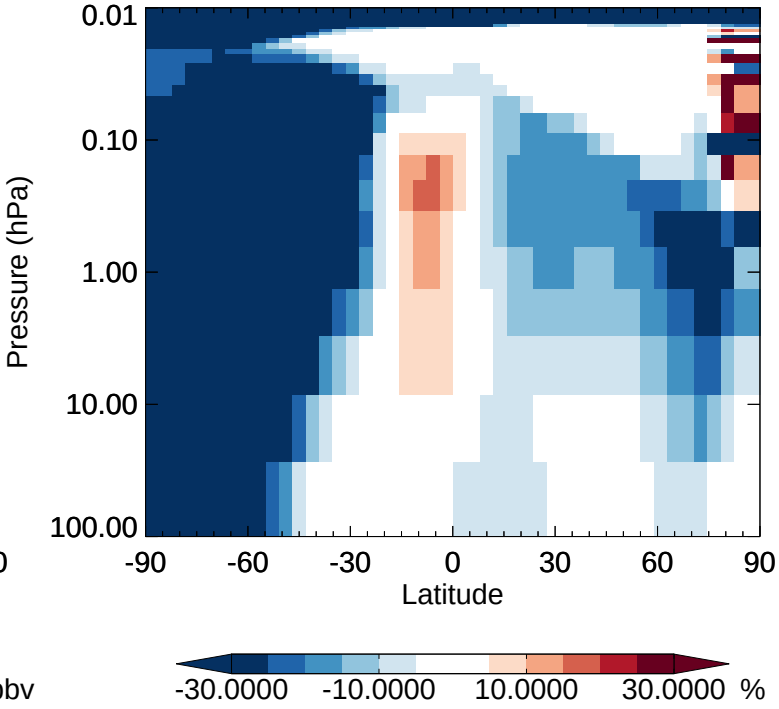
v11-02d - v11-02c

MONITS - Strat zonal mean abs diff for Jul



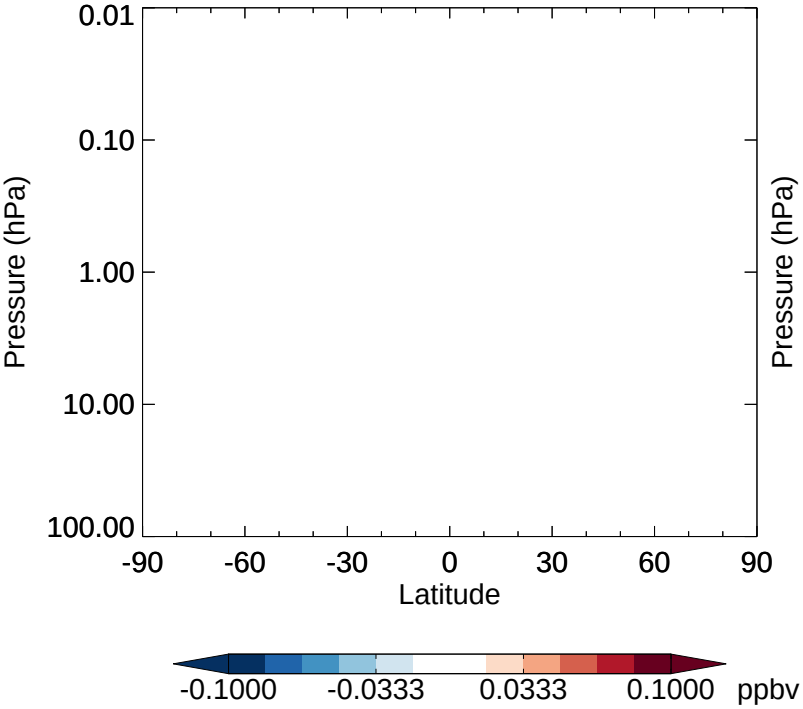
v11-02d / v11-02c

MONITS - Strat zonal mean % diff for Jul



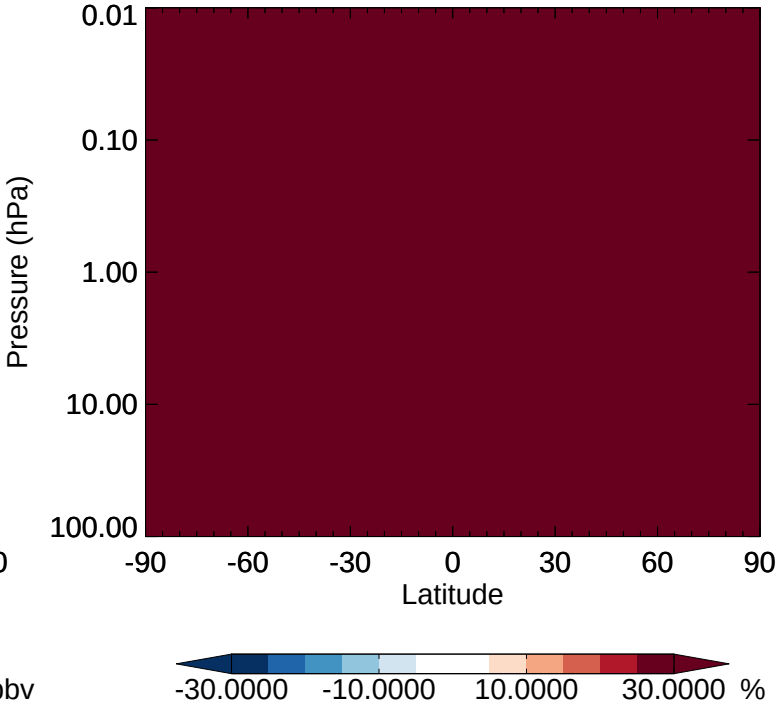
v11-02d - v11-02a

MONITS - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

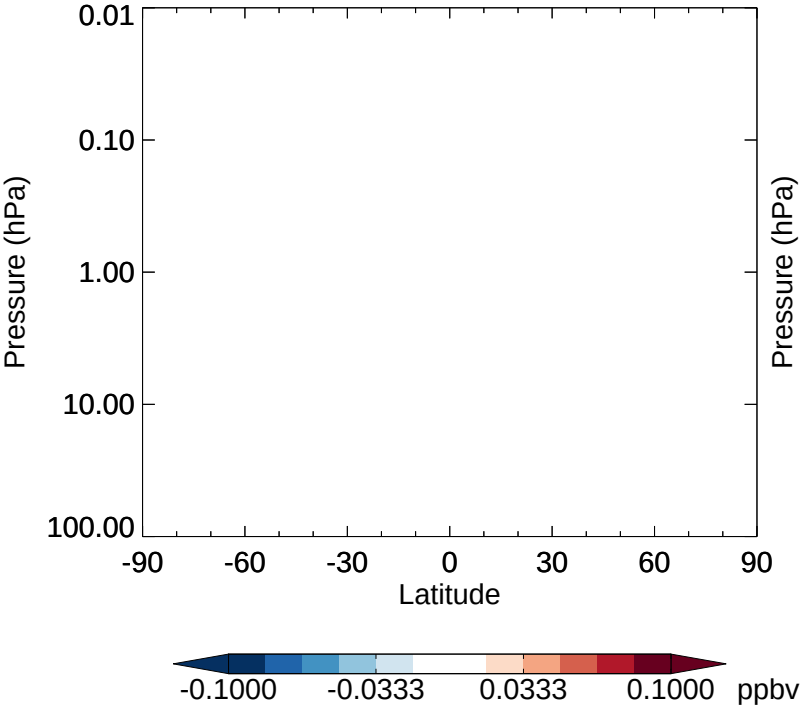
MONITS - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

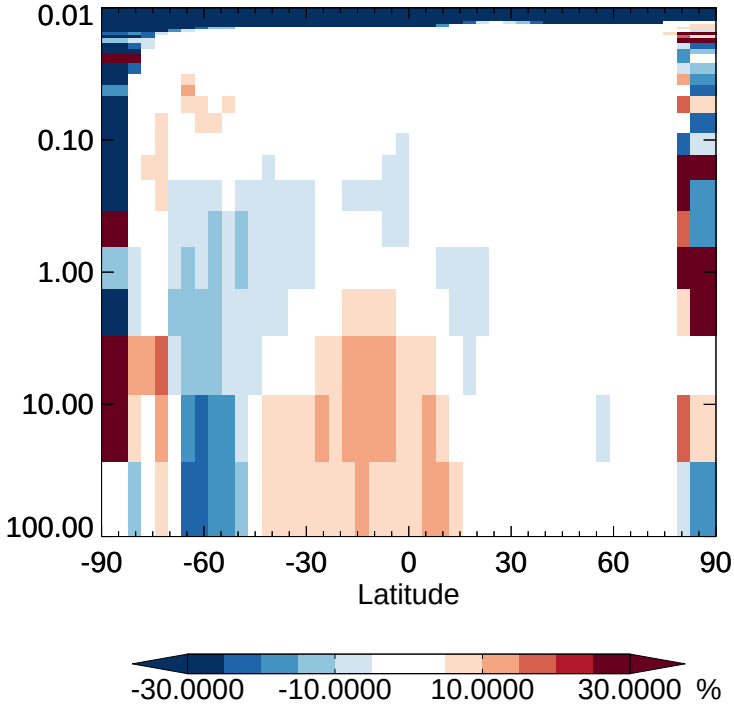
v11-02d - v11-02c

MONITU - Strat zonal mean abs diff for Jul



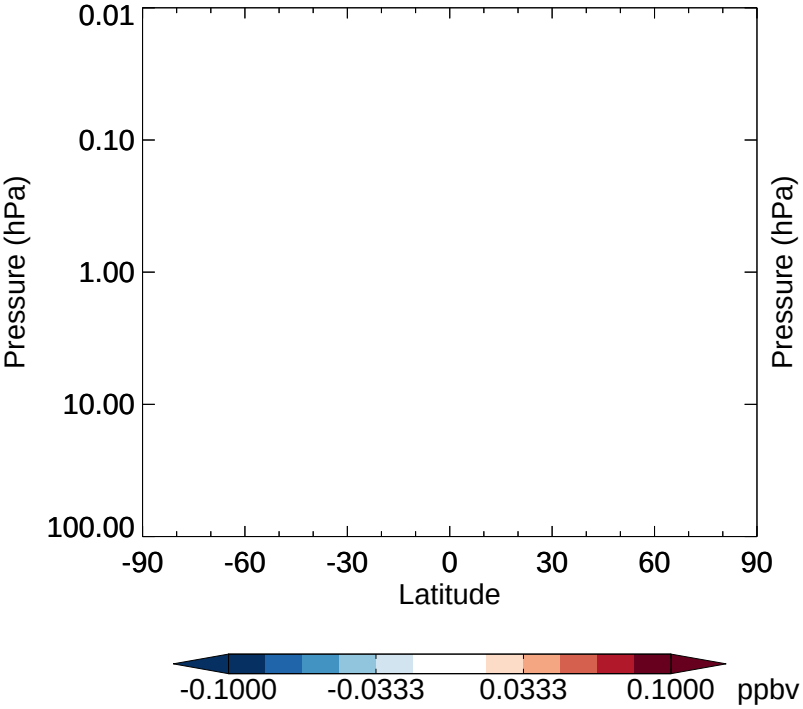
v11-02d / v11-02c

MONITU - Strat zonal mean % diff for Jul



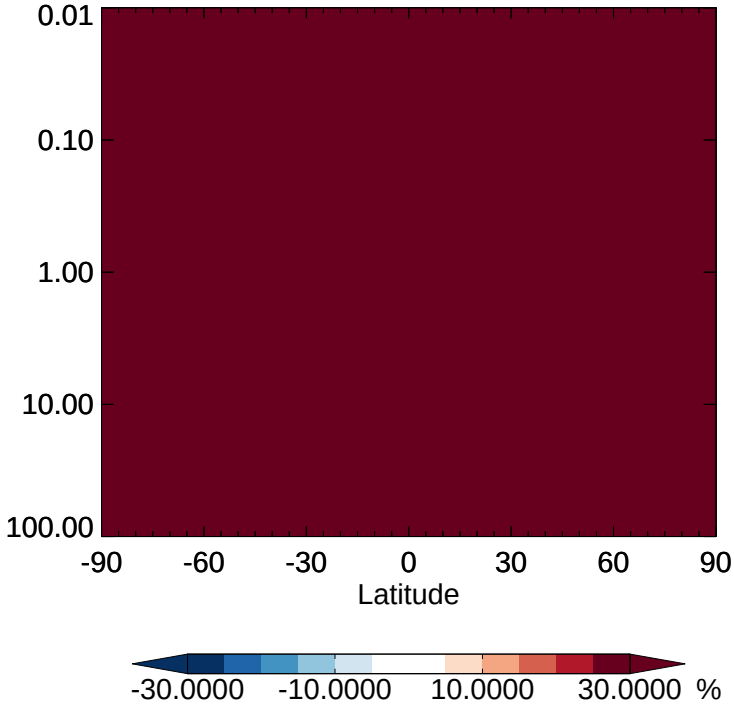
v11-02d - v11-02a

MONITU - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

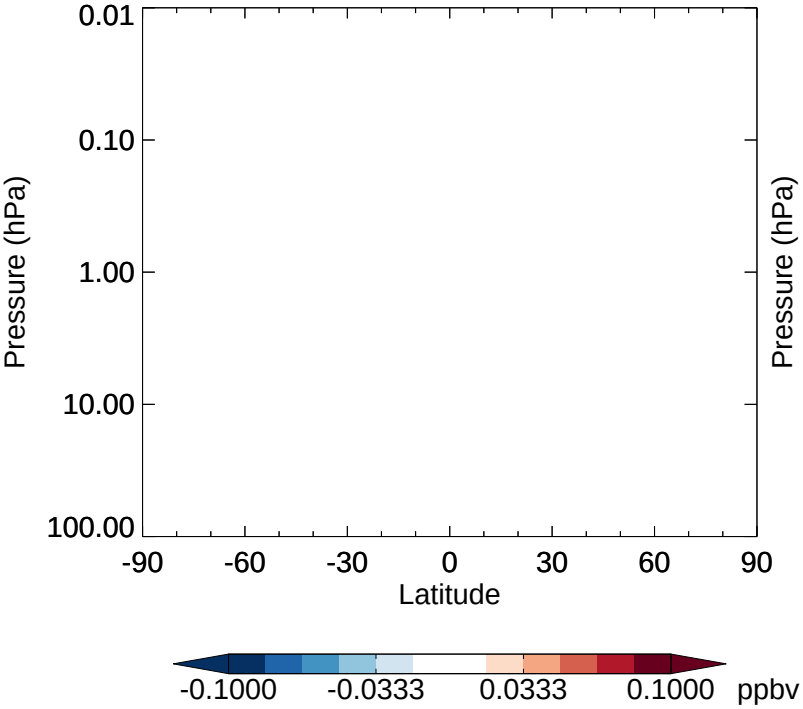
MONITU - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

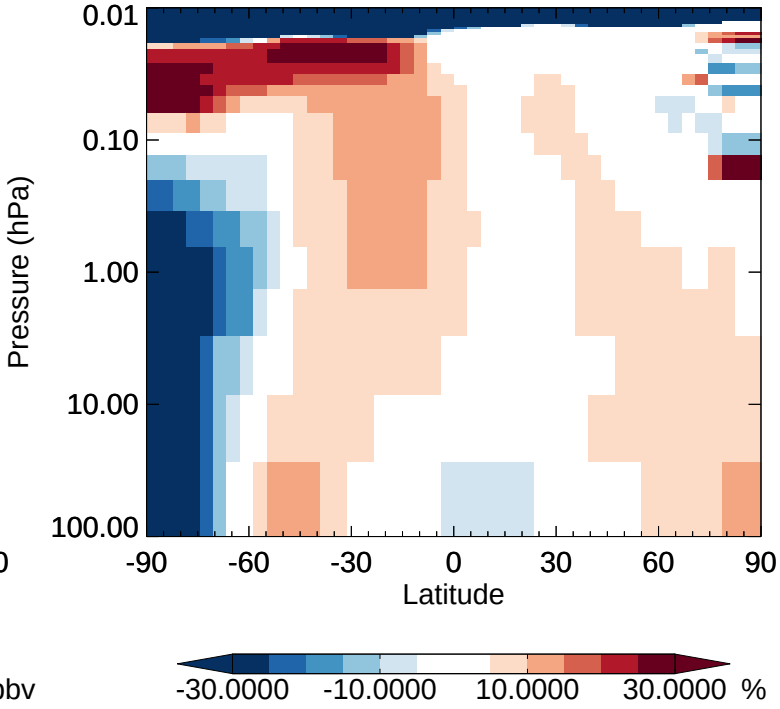
v11-02d - v11-02c

HONIT - Strat zonal mean abs diff for Jul



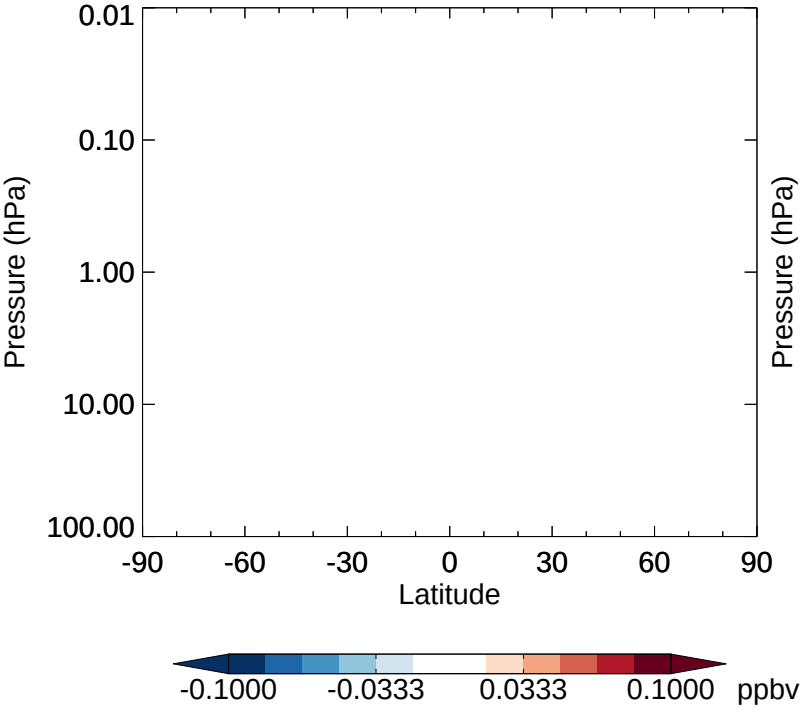
v11-02d / v11-02c

HONIT - Strat zonal mean % diff for Jul



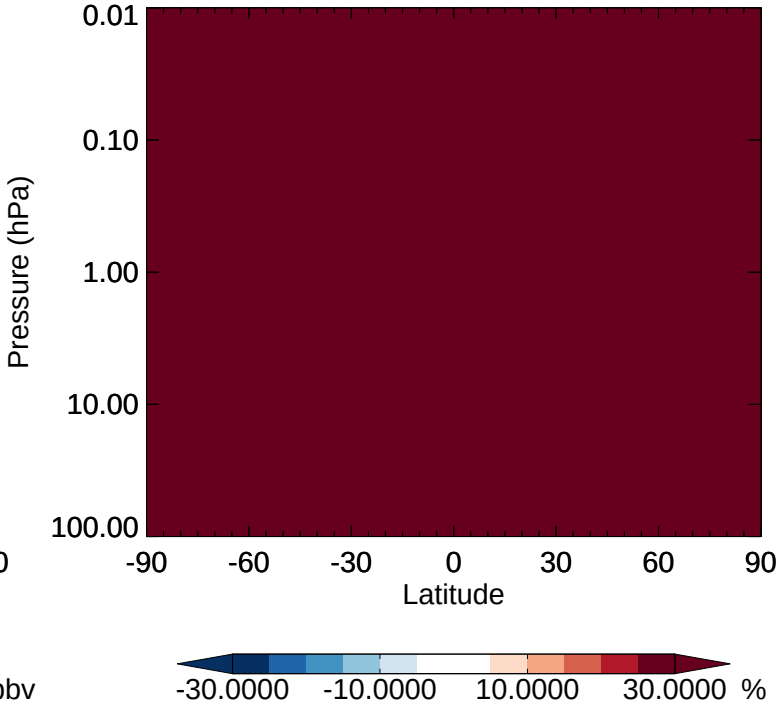
v11-02d - v11-02a

HONIT - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

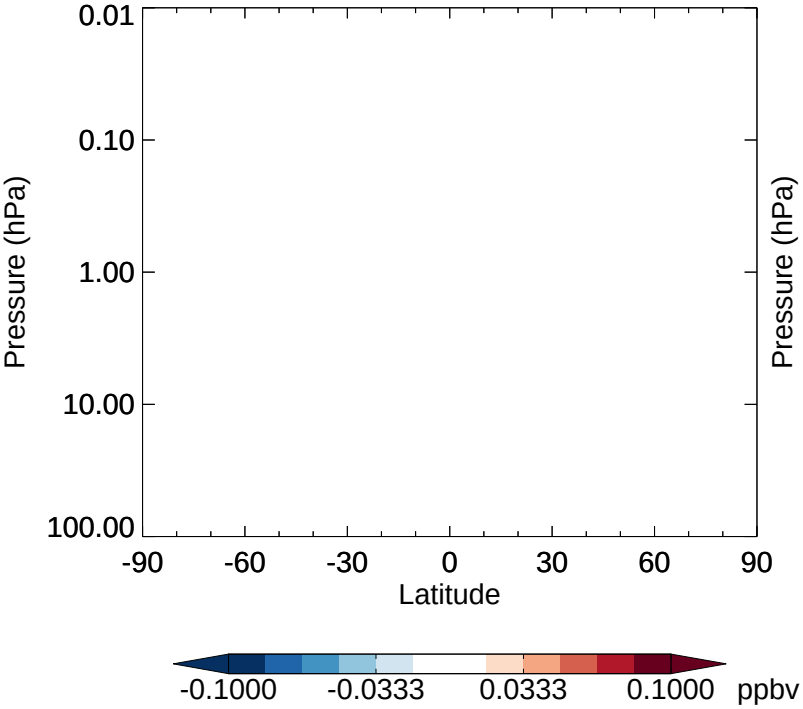
HONIT - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

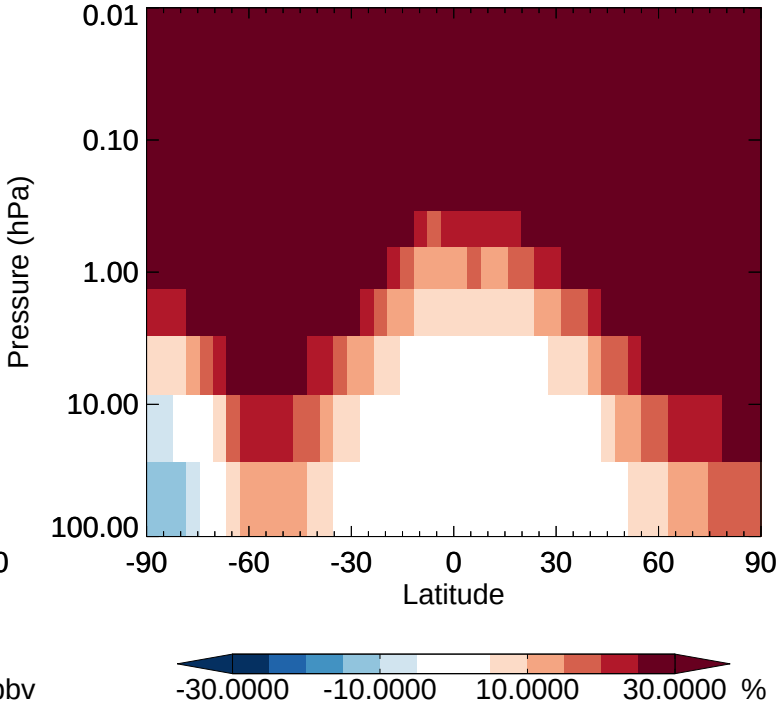
v11-02d - v11-02c

IONITA - Strat zonal mean abs diff for Jul



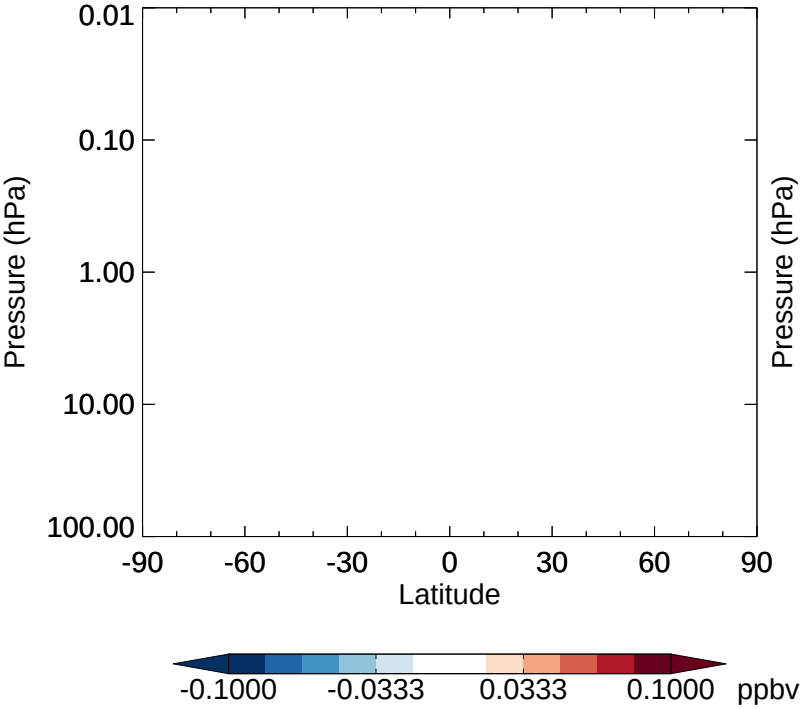
v11-02d / v11-02c

IONITA - Strat zonal mean % diff for Jul



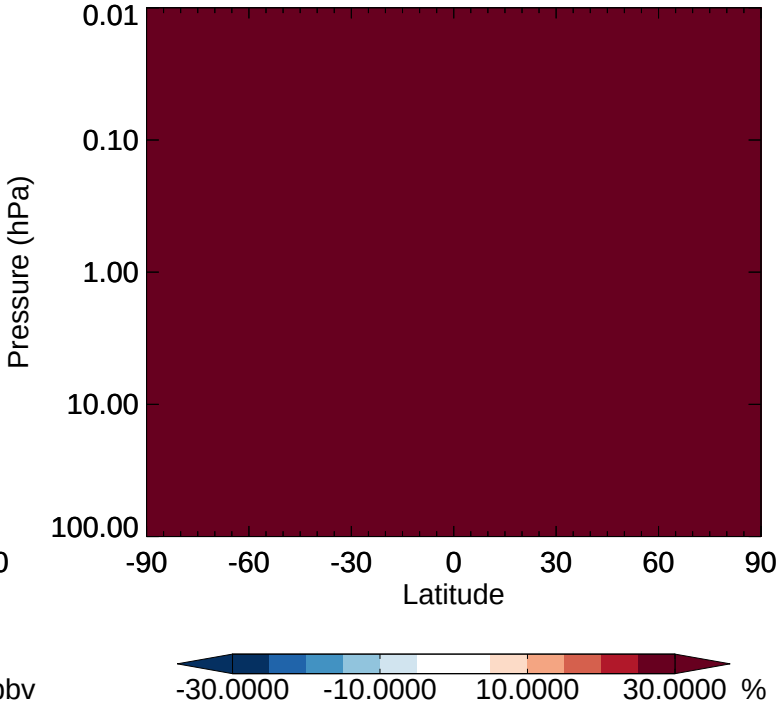
v11-02d - v11-02a

IONITA - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

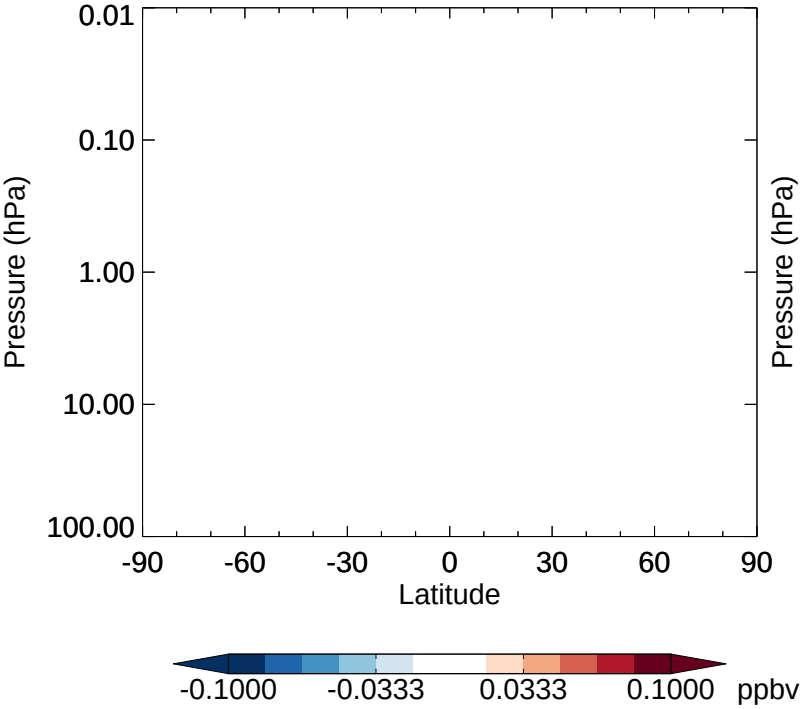
IONITA - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

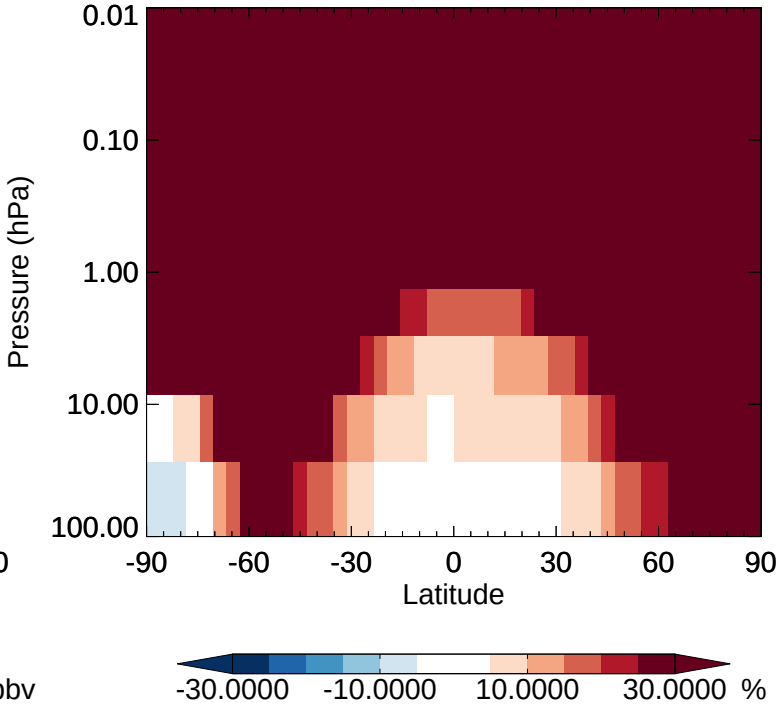
v11-02d - v11-02c

MONITA - Strat zonal mean abs diff for Jul



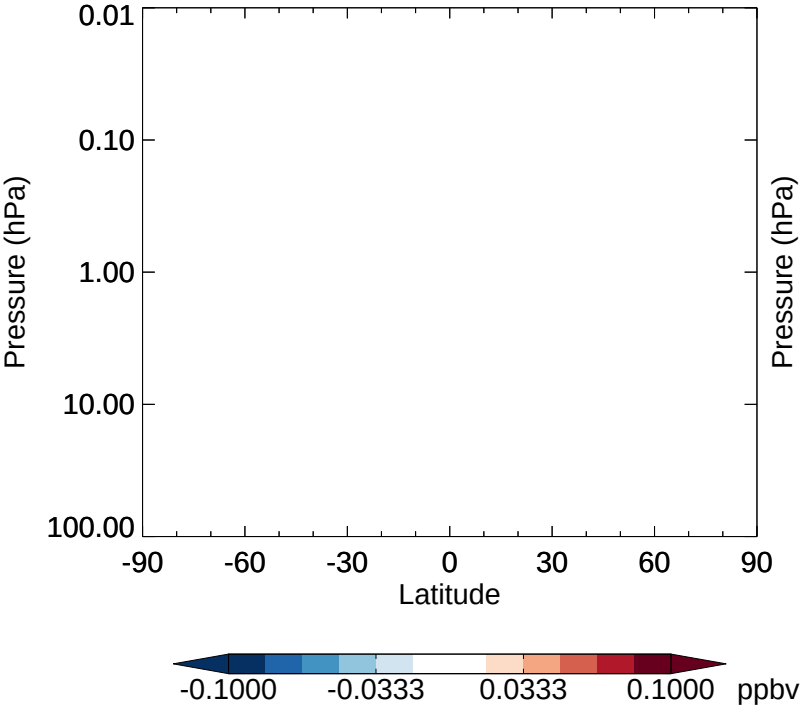
v11-02d / v11-02c

MONITA - Strat zonal mean % diff for Jul



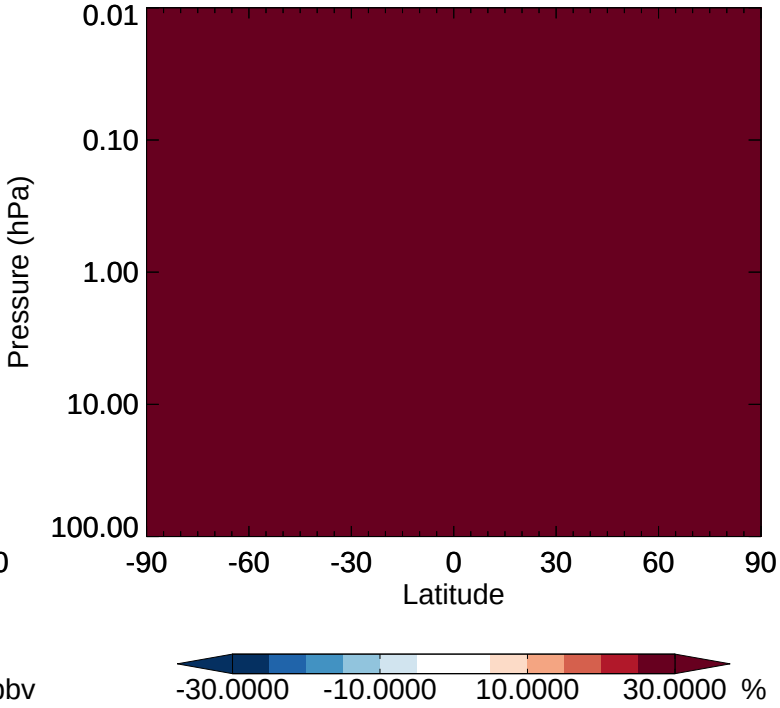
v11-02d - v11-02a

MONITA - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

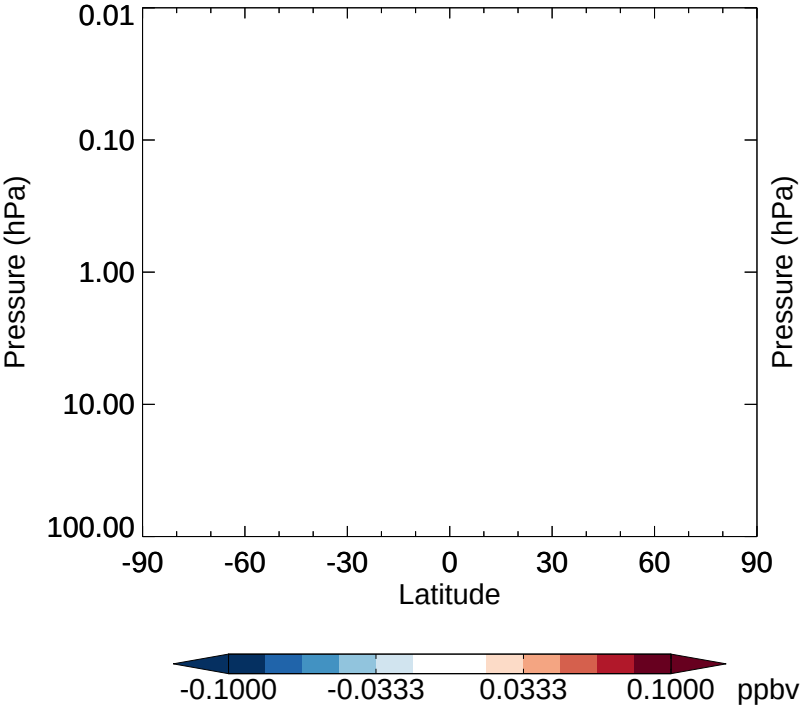
MONITA - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

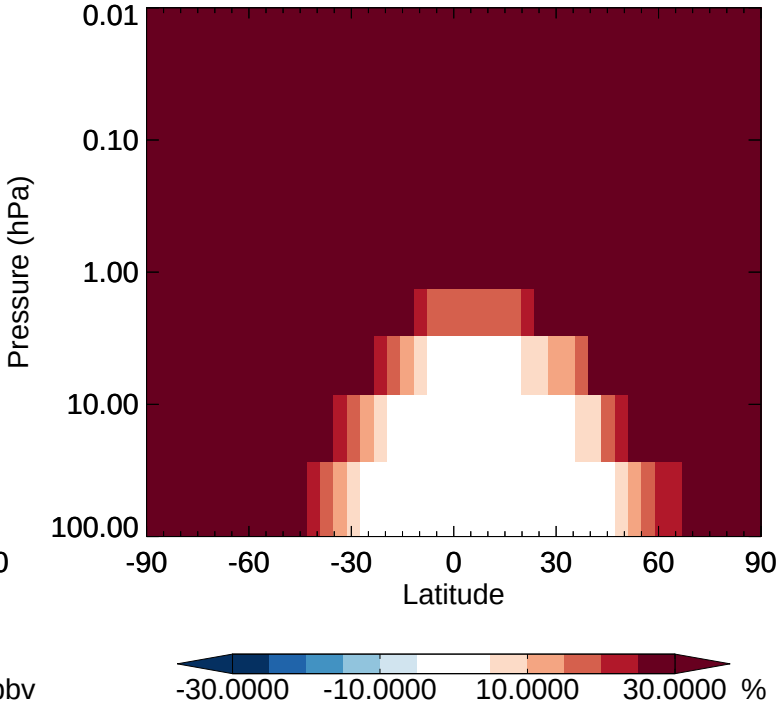
v11-02d - v11-02c

INDIOL - Strat zonal mean abs diff for Jul



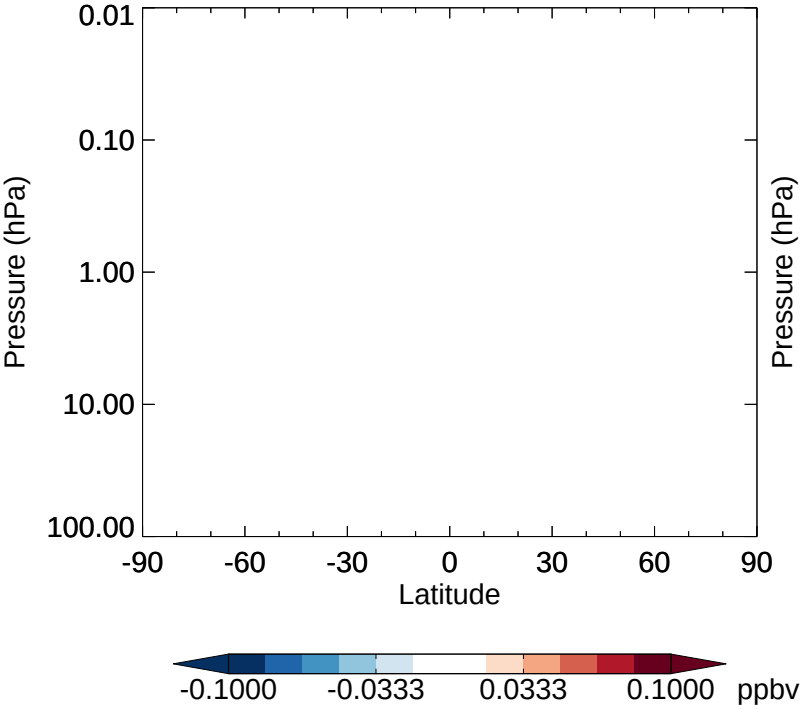
v11-02d / v11-02c

INDIOL - Strat zonal mean % diff for Jul



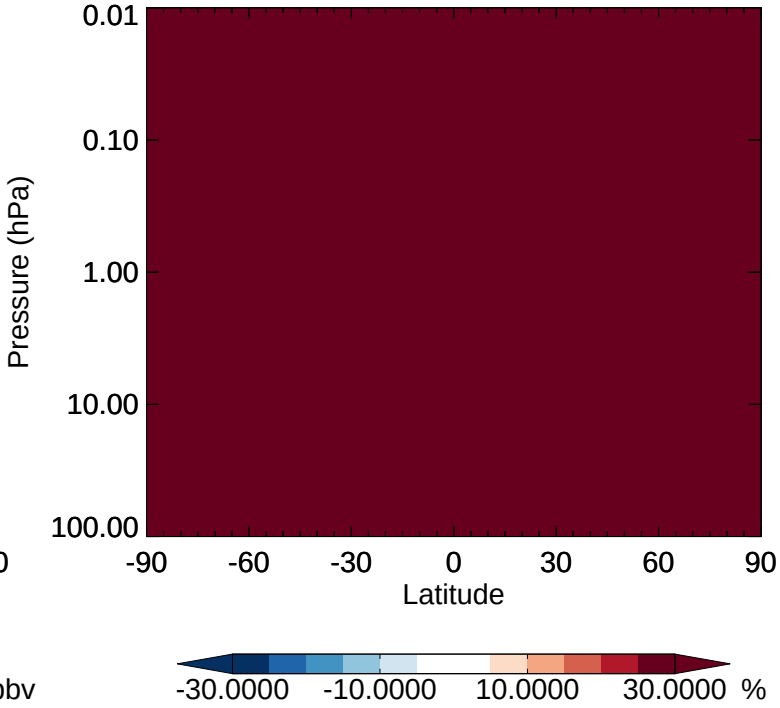
v11-02d - v11-02a

INDIOL - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

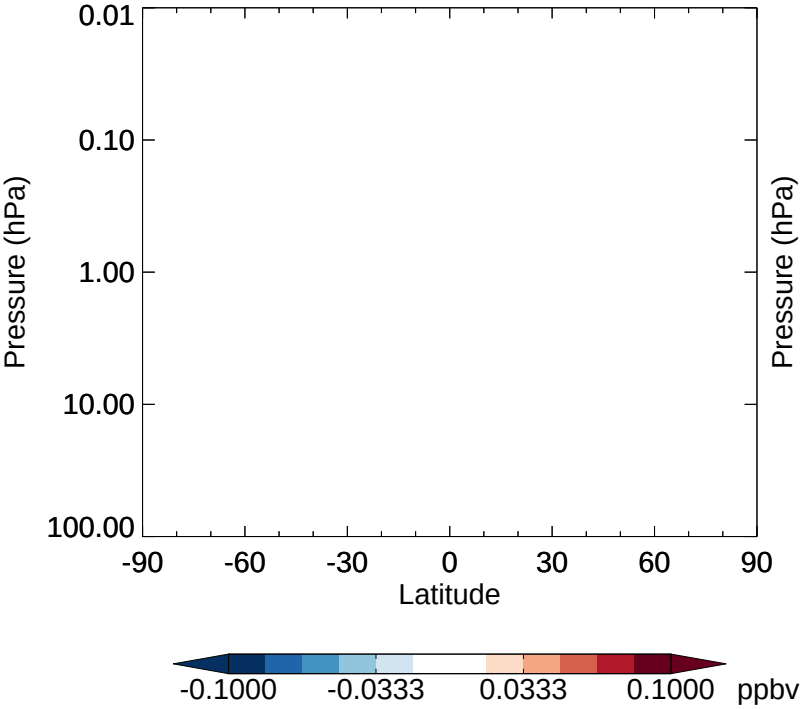
INDIOL - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

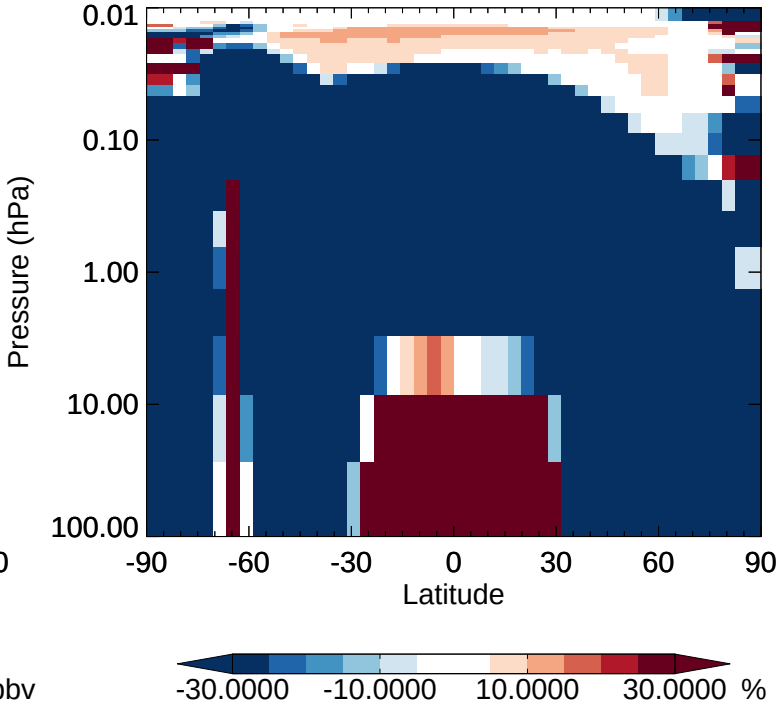
v11-02d - v11-02c

IPMN - Strat zonal mean abs diff for Jul



v11-02d / v11-02c

IPMN - Strat zonal mean % diff for Jul



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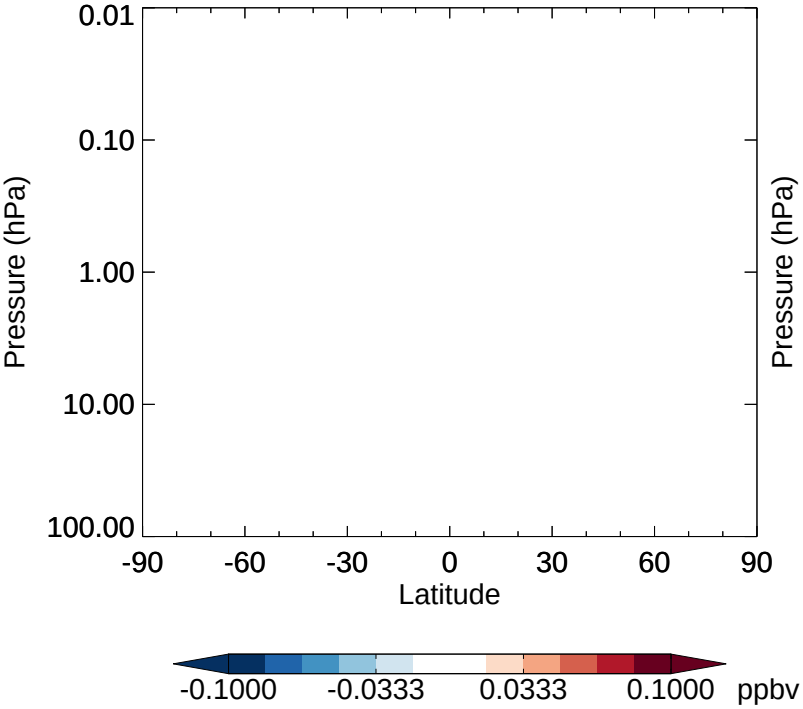
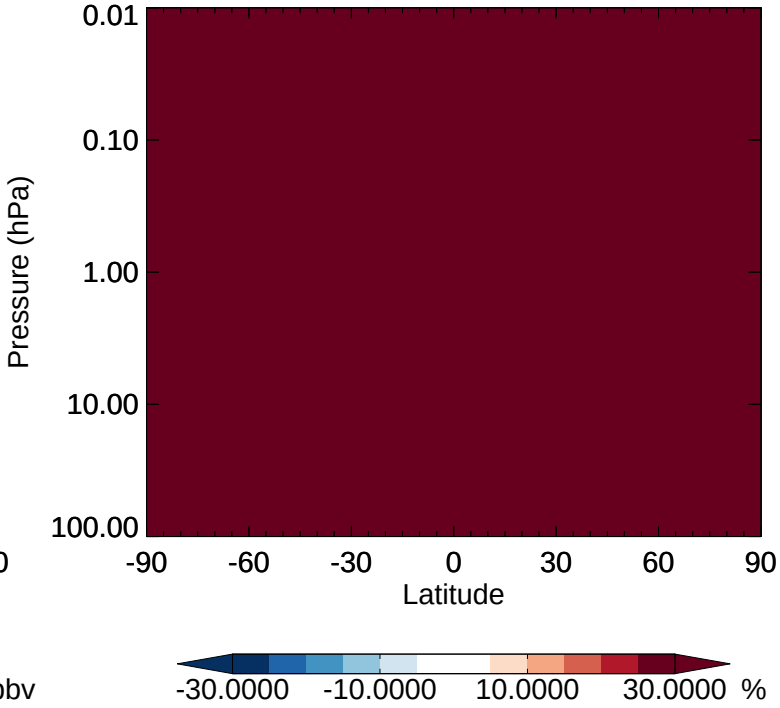
IPMN - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

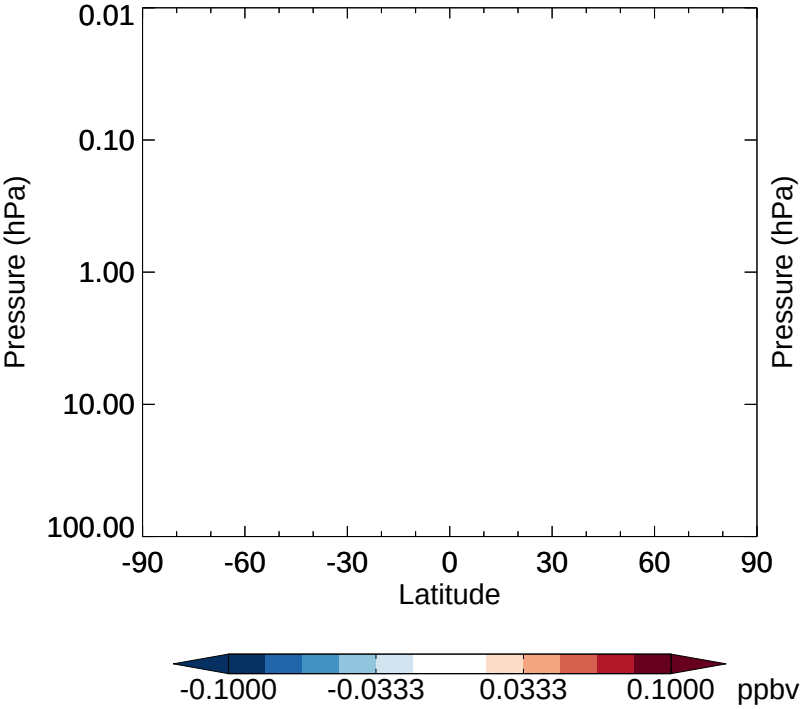
IPMN - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

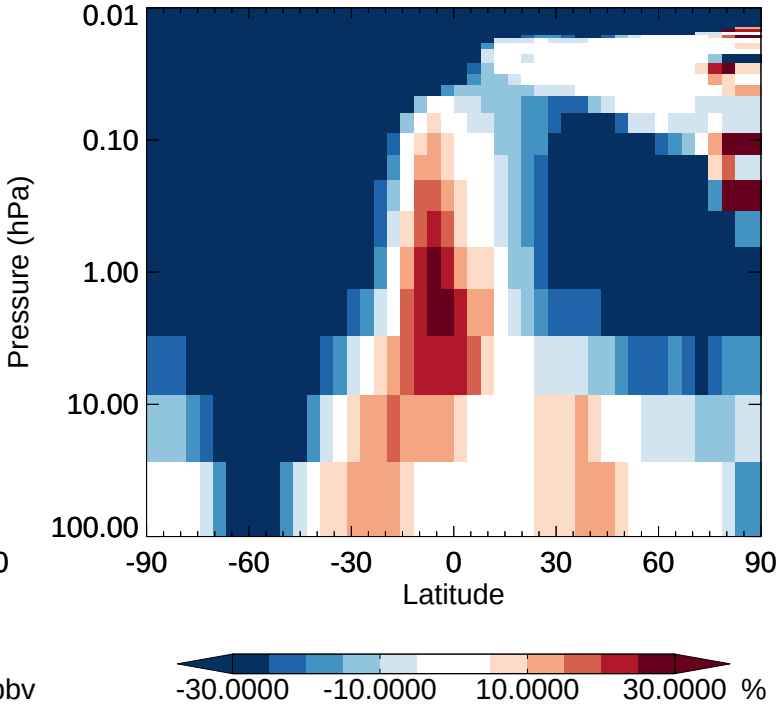
v11-02d - v11-02c

HC187 - Strat zonal mean abs diff for Jul



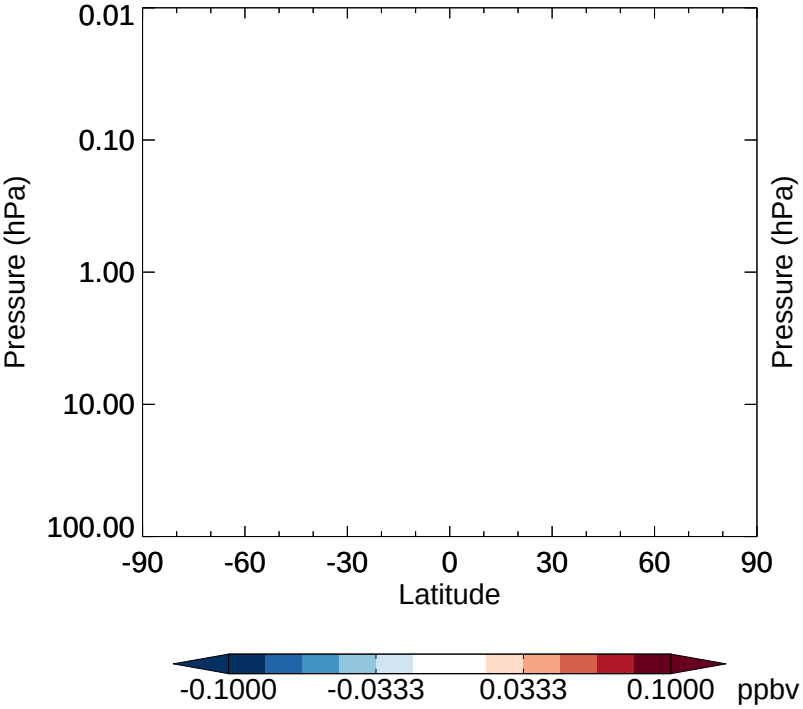
v11-02d / v11-02c

HC187 - Strat zonal mean % diff for Jul



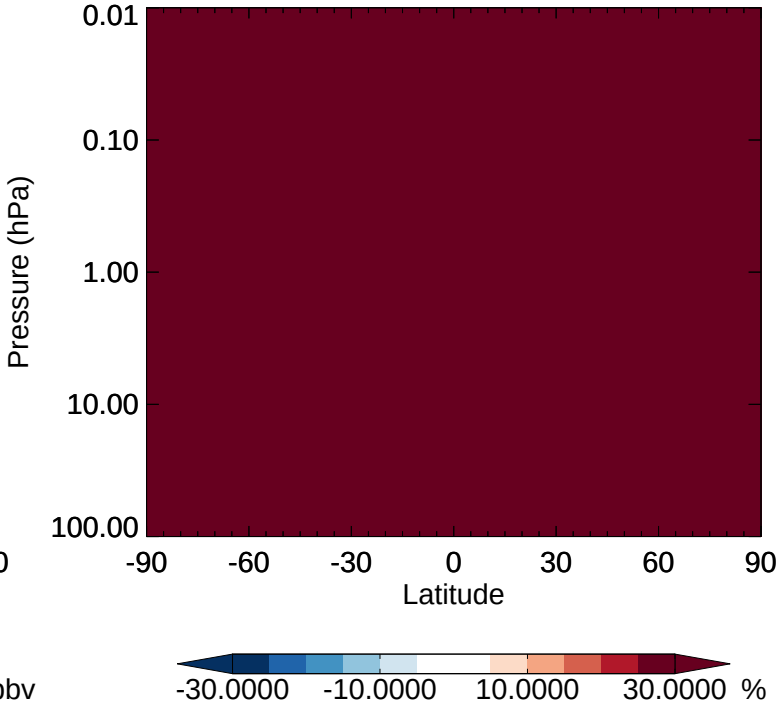
v11-02d - v11-02a

HC187 - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

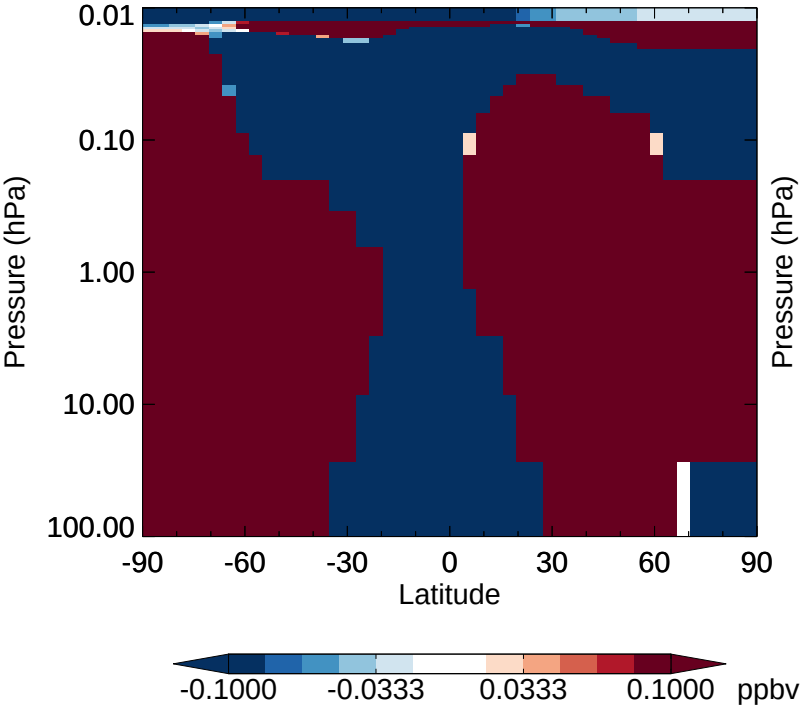
HC187 - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

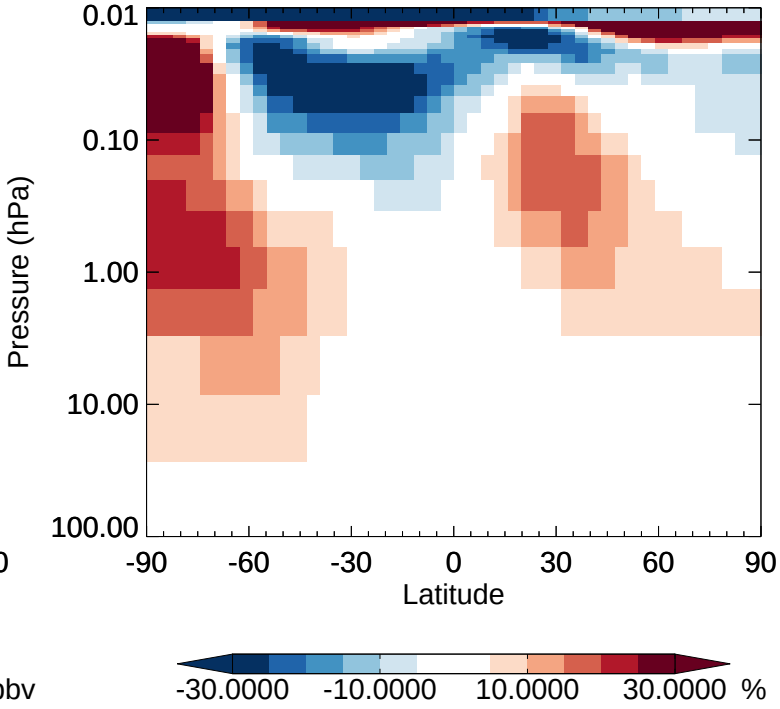
v11-02d - v11-02c

N2O - Strat zonal mean abs diff for Jul



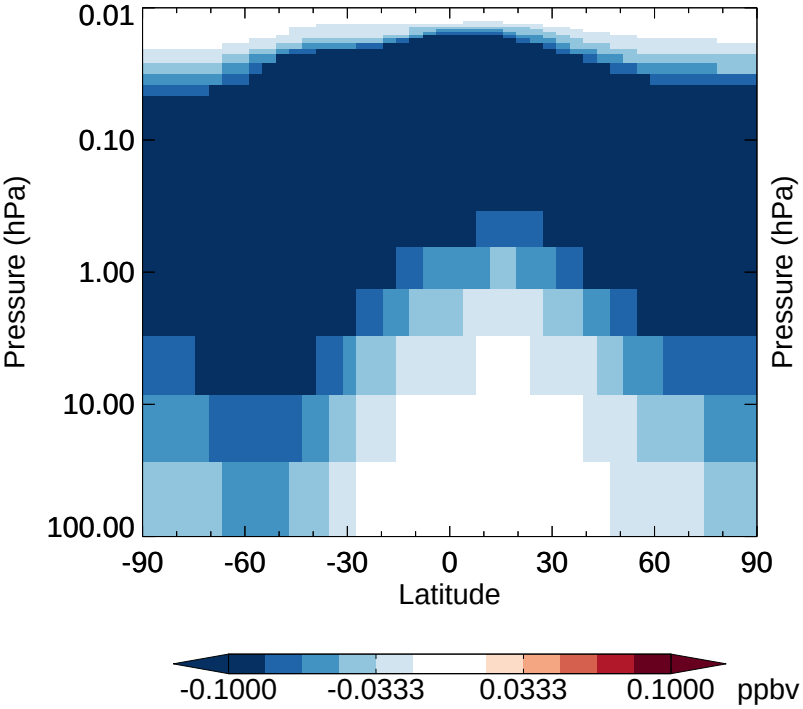
v11-02d / v11-02c

N2O - Strat zonal mean % diff for Jul



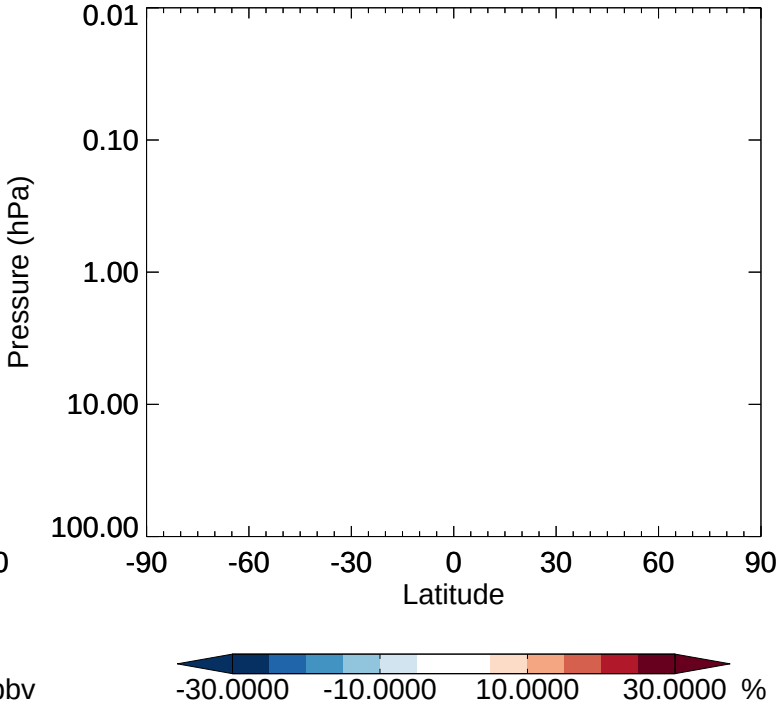
v11-02d - v11-02a

N2O - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

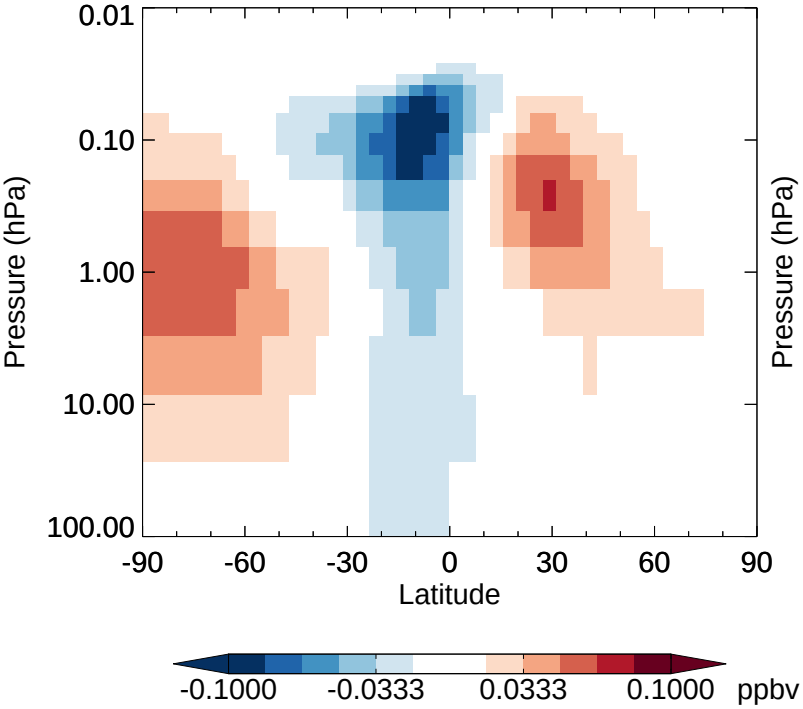
N2O - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

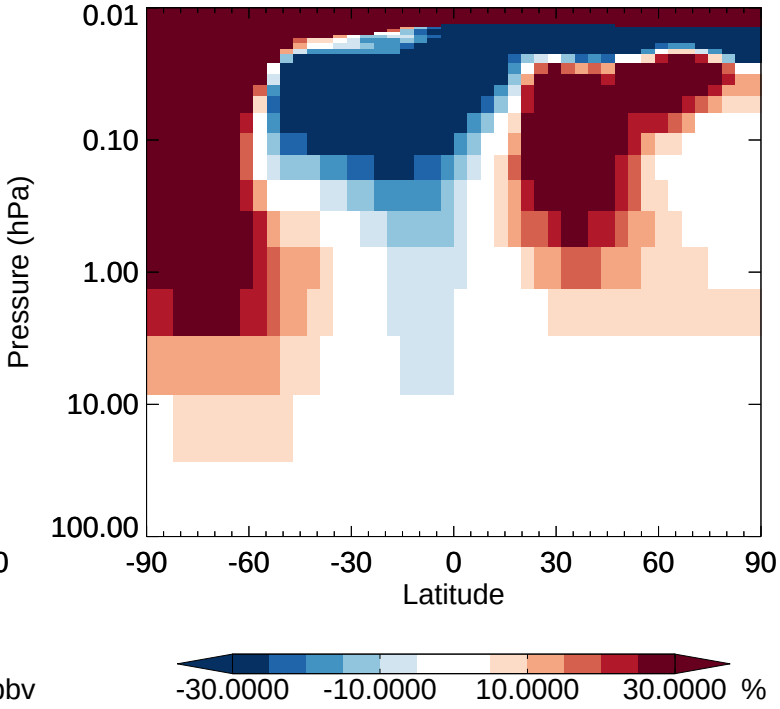
v11-02d - v11-02c

OCS - Strat zonal mean abs diff for Jul



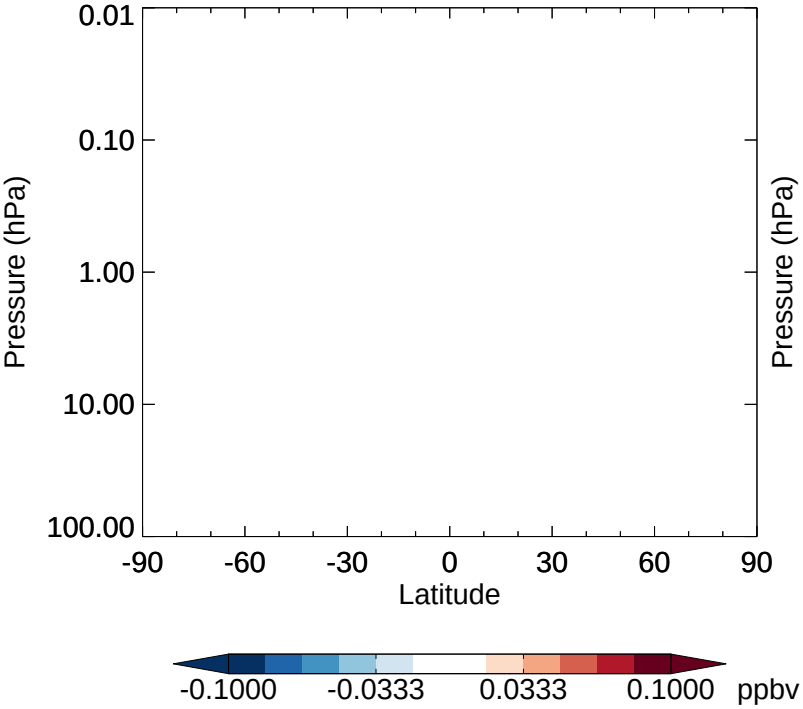
v11-02d / v11-02c

OCS - Strat zonal mean % diff for Jul



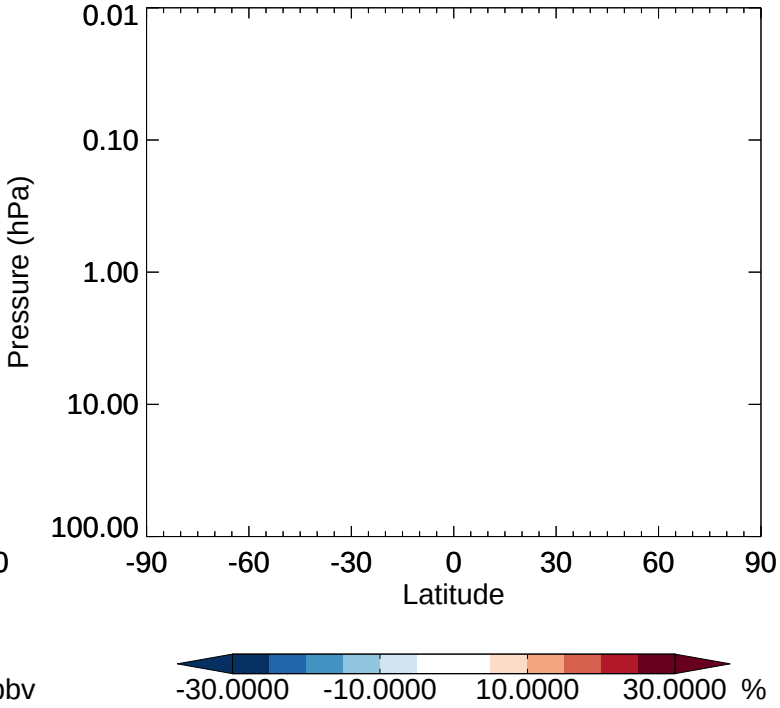
v11-02d - v11-02a

OCS - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

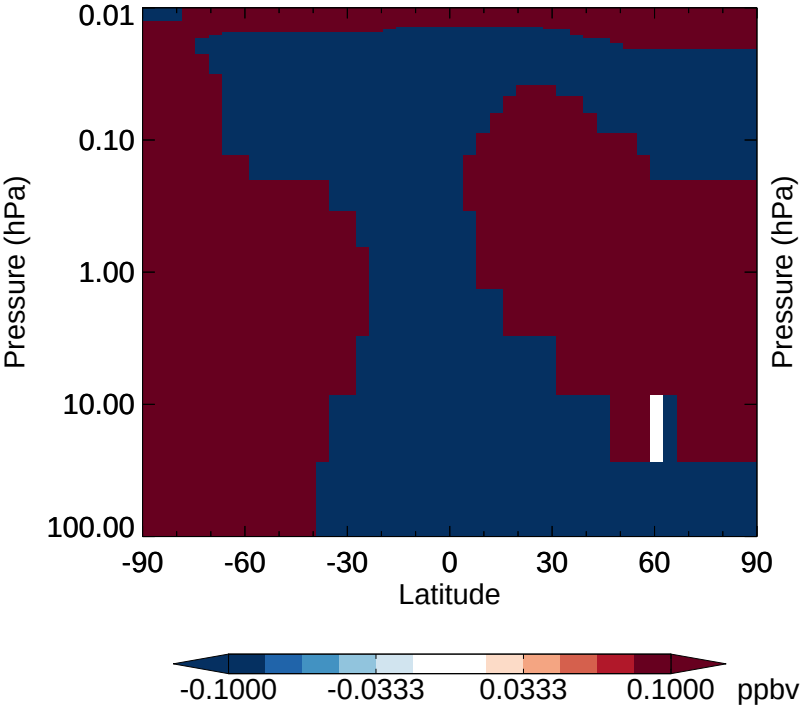
OCS - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

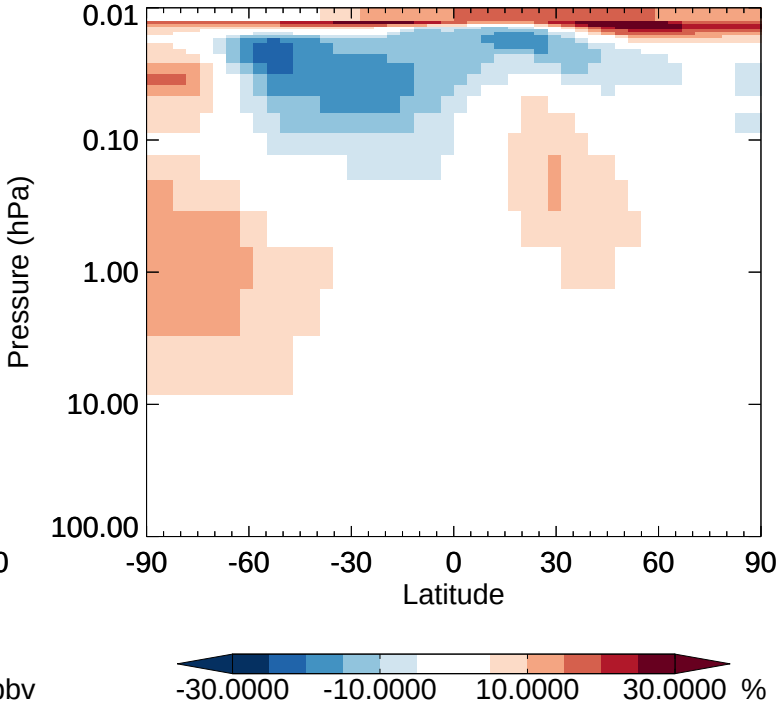
v11-02d - v11-02c

CH4 - Strat zonal mean abs diff for Jul



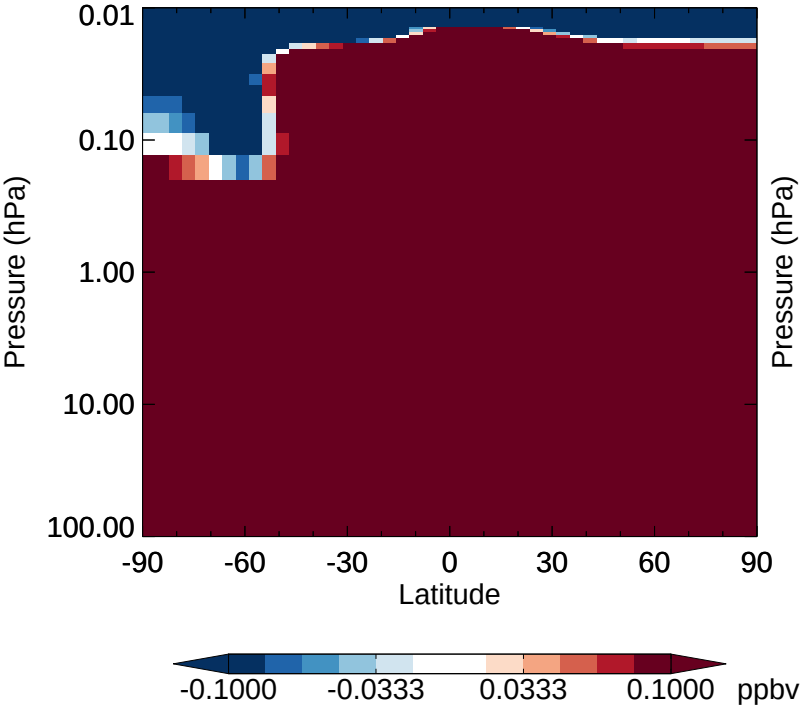
v11-02d / v11-02c

CH4 - Strat zonal mean % diff for Jul



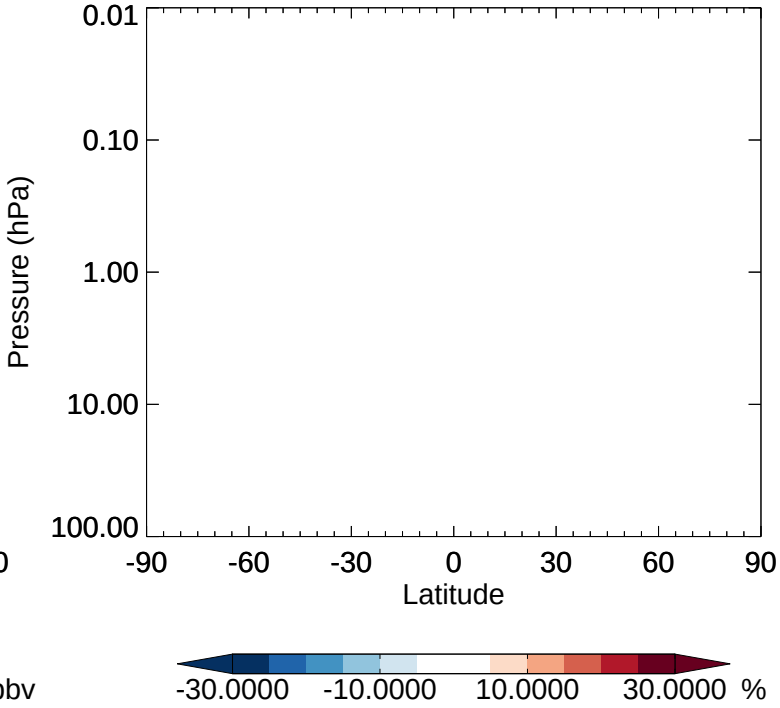
v11-02d - v11-02a

CH4 - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

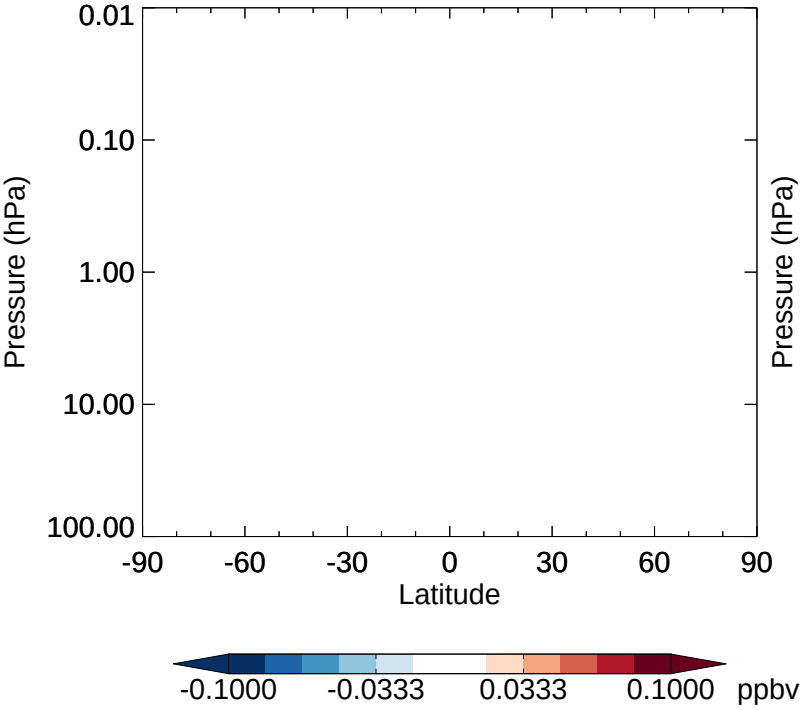
CH4 - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

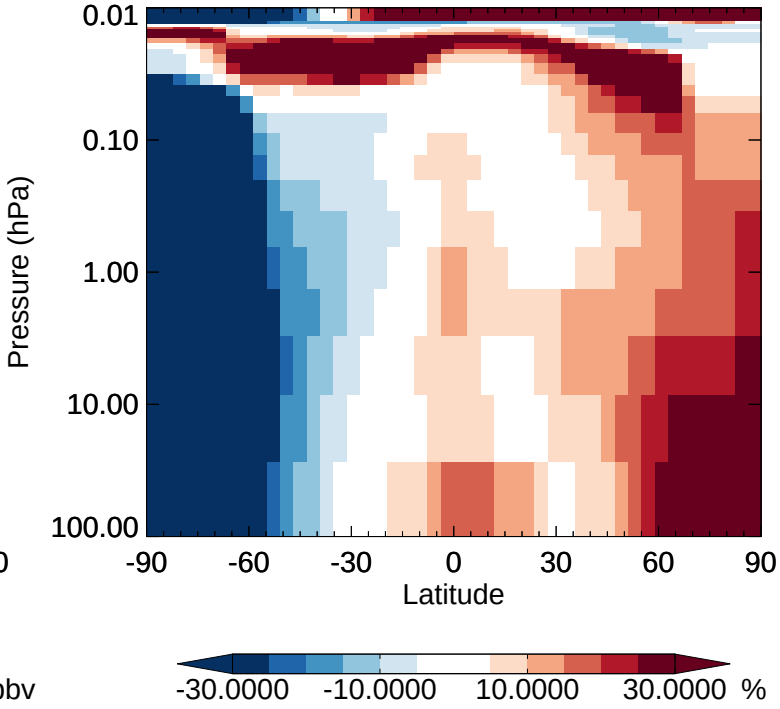
v11-02d - v11-02c

BrCl - Strat zonal mean abs diff for Jul



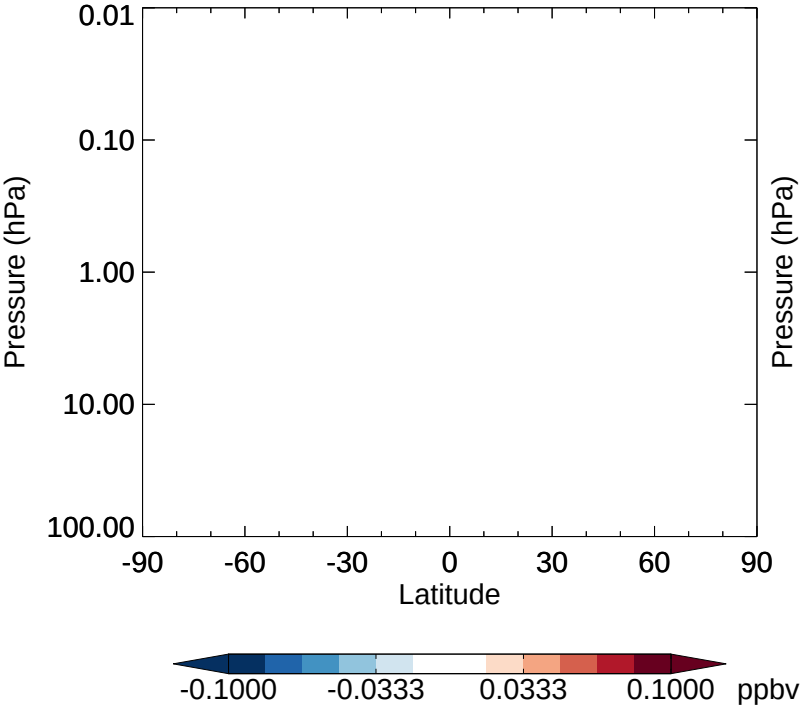
v11-02d / v11-02c

BrCl - Strat zonal mean % diff for Jul



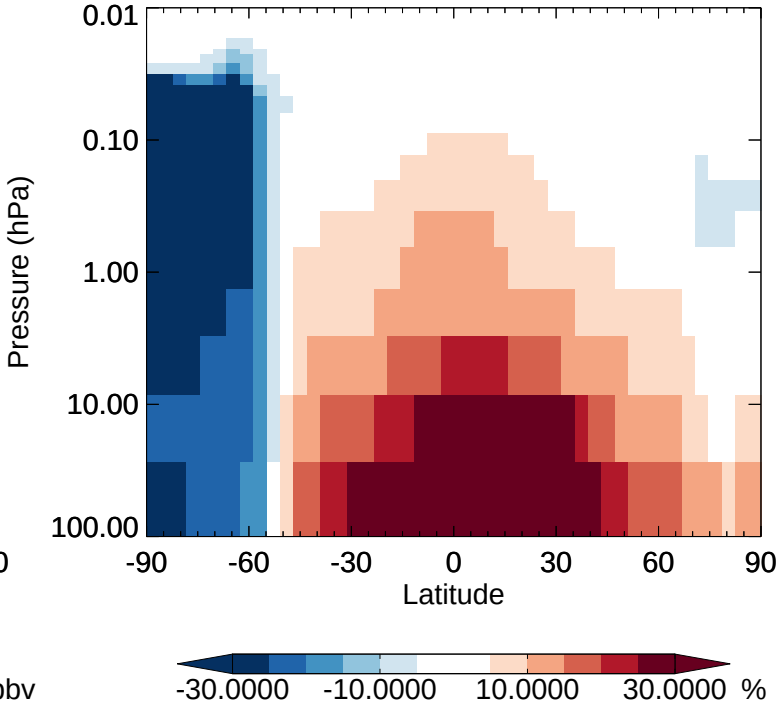
v11-02d - v11-02a

BrCl - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

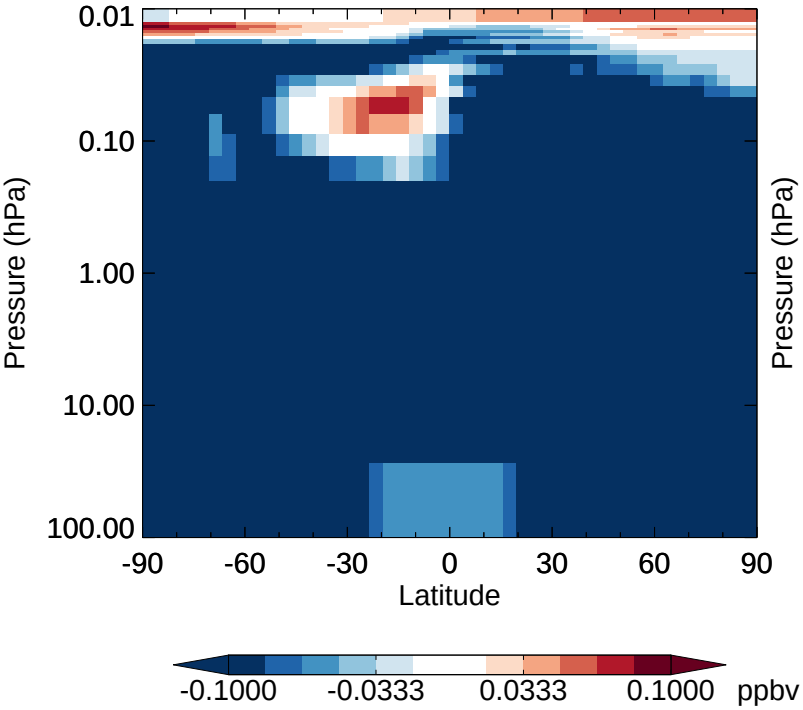
BrCl - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

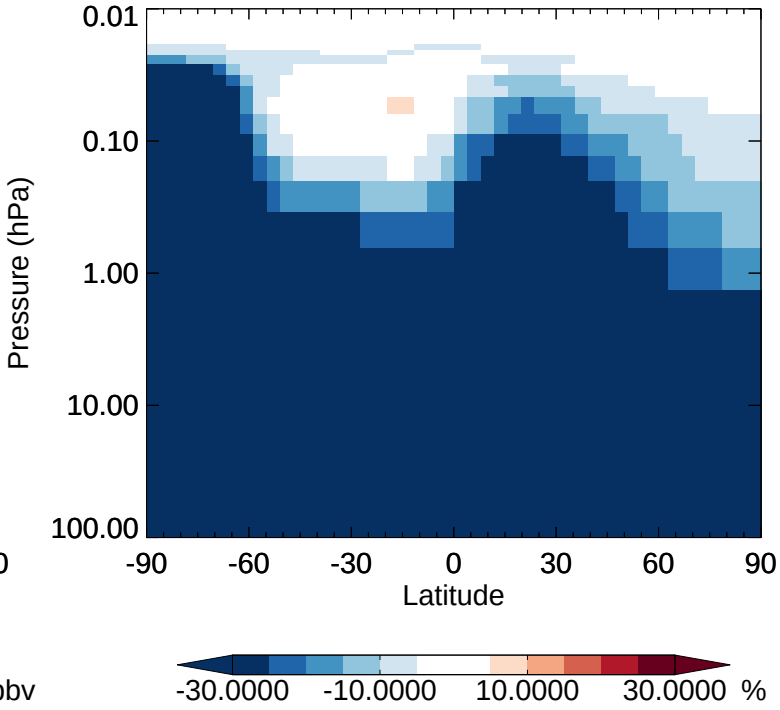
v11-02d - v11-02c

HCl - Strat zonal mean abs diff for Jul



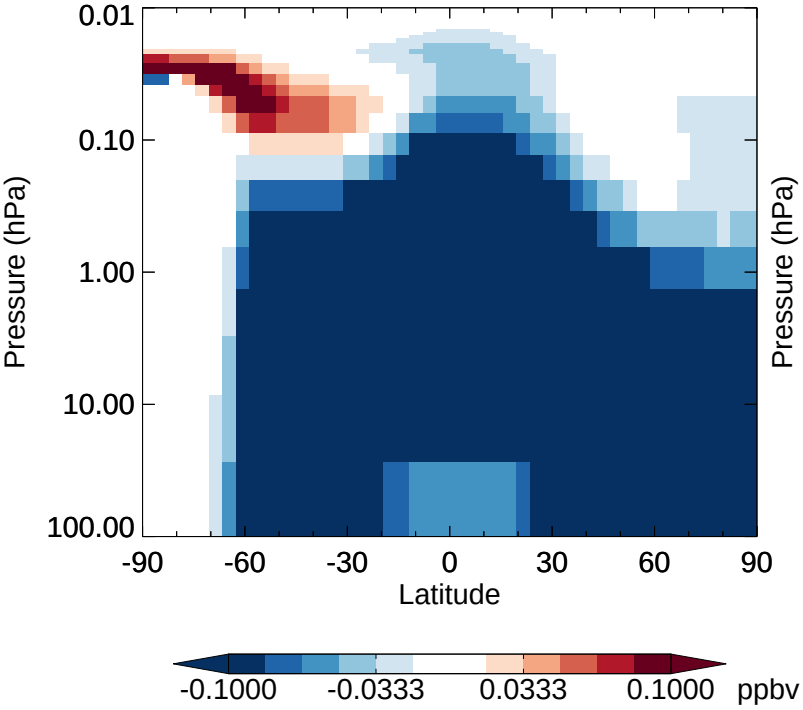
v11-02d / v11-02c

HCl - Strat zonal mean % diff for Jul



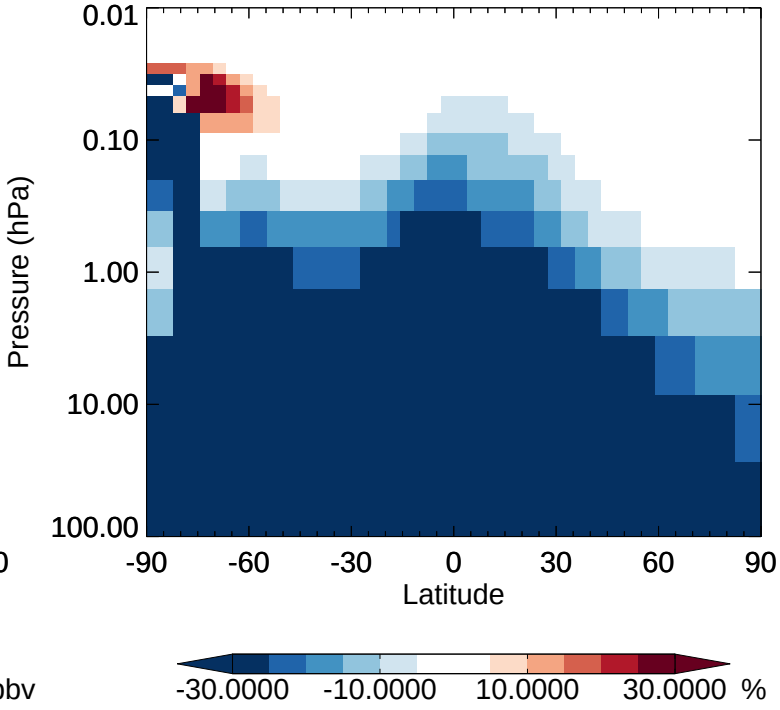
v11-02d - v11-02a

HCl - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

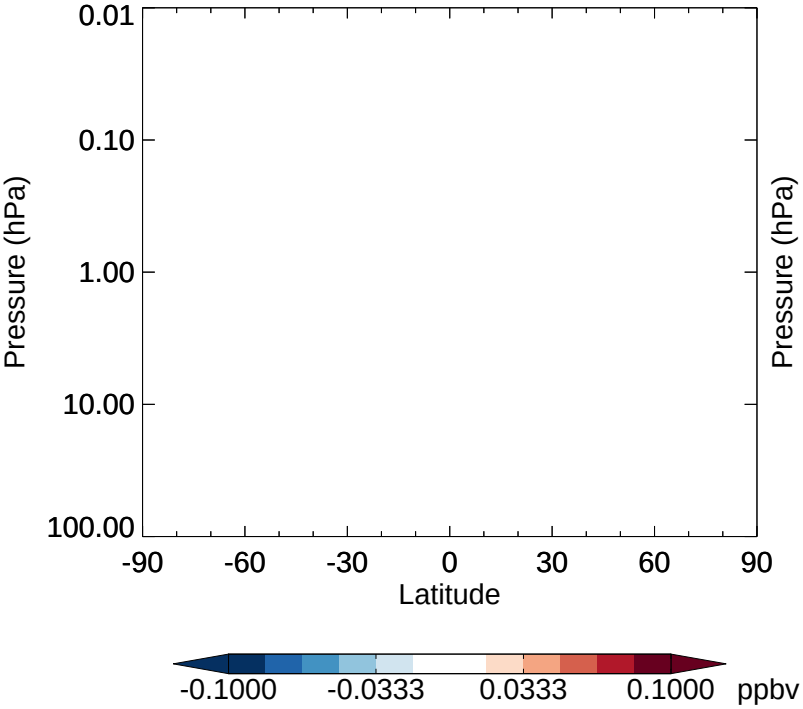
HCl - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

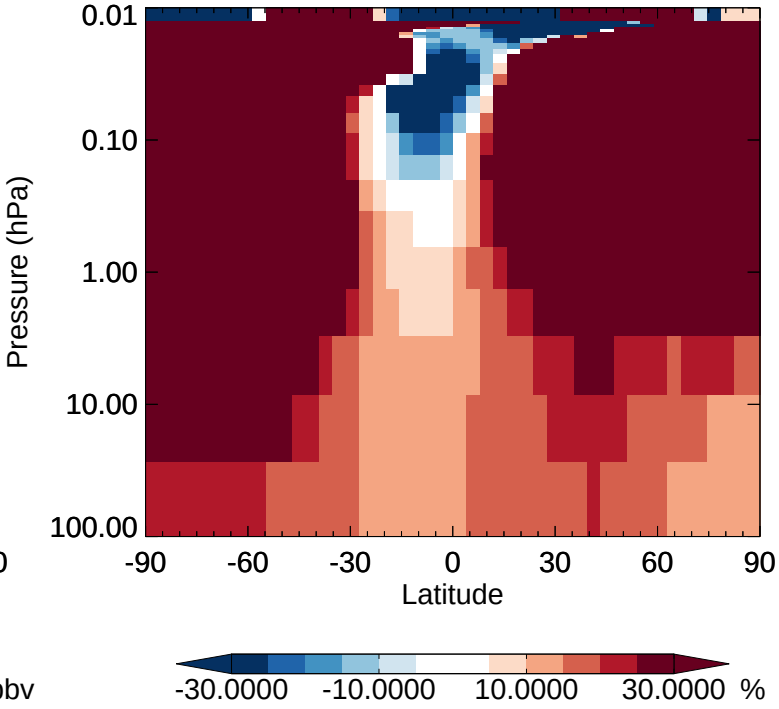
v11-02d - v11-02c

CCl4 - Strat zonal mean abs diff for Jul



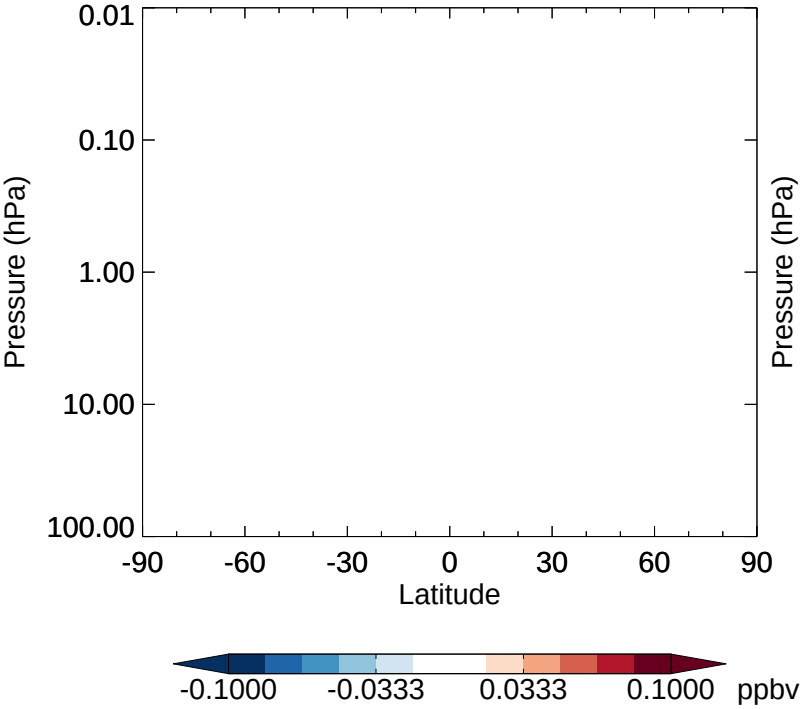
v11-02d / v11-02c

CCl4 - Strat zonal mean % diff for Jul



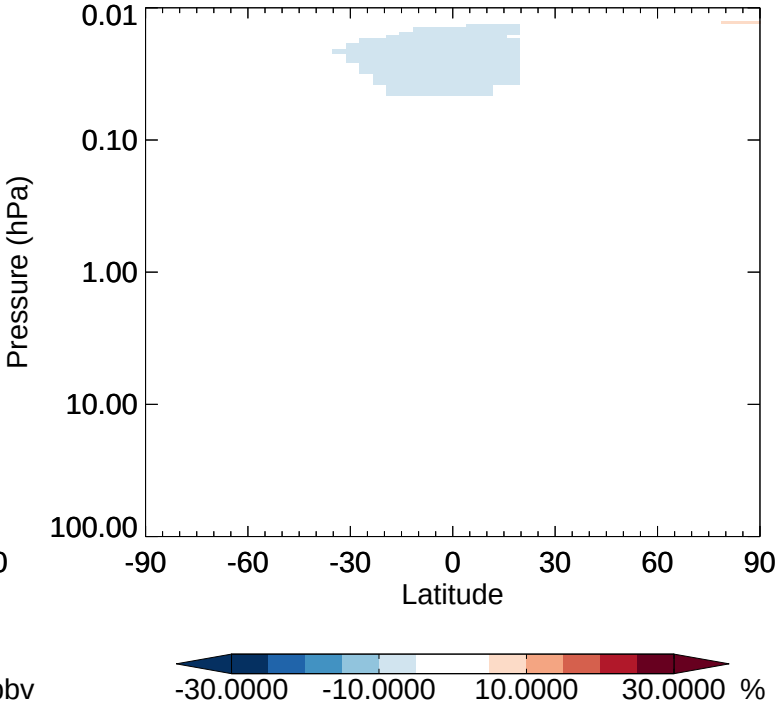
v11-02d - v11-02a

CCl4 - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

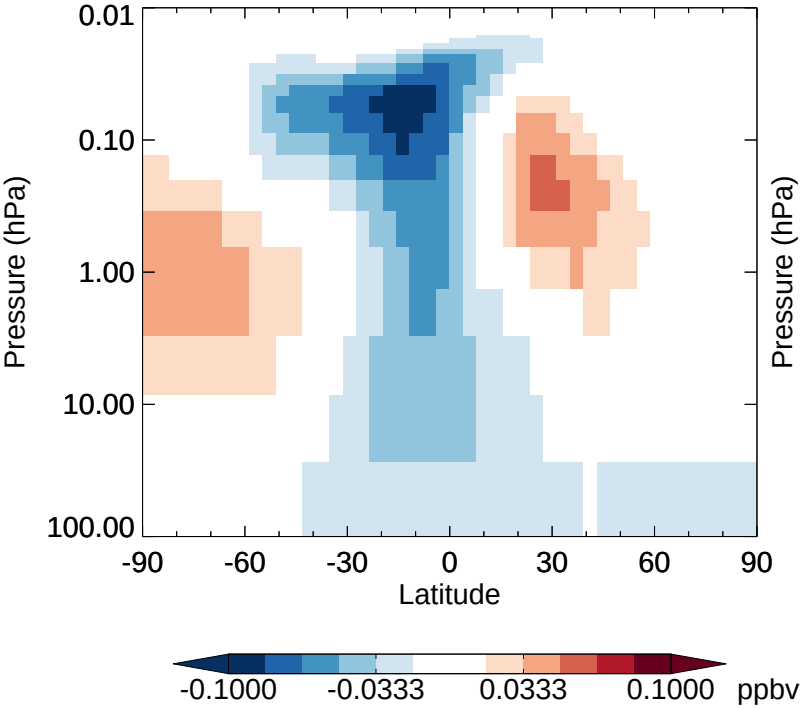
CCl4 - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

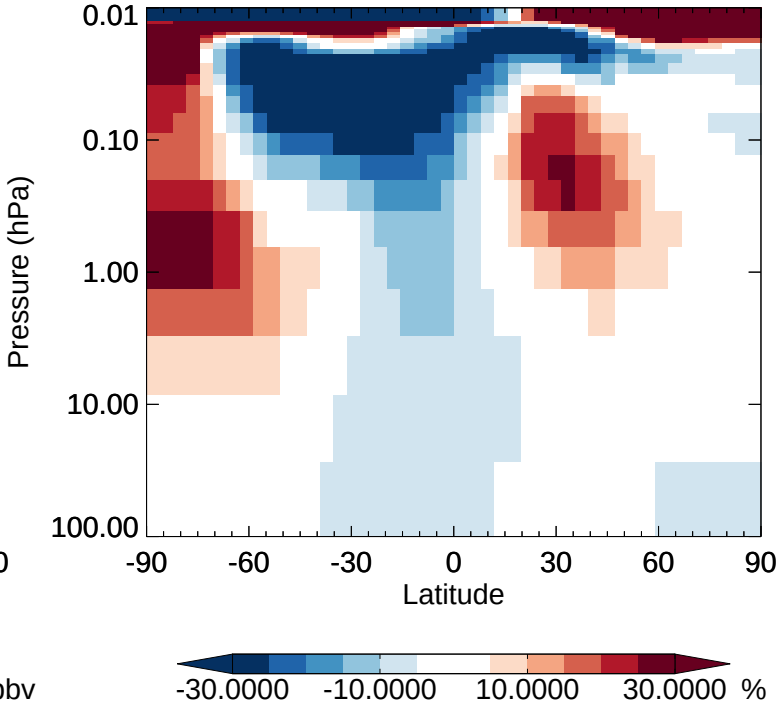
v11-02d - v11-02c

CH3Cl - Strat zonal mean abs diff for Jul



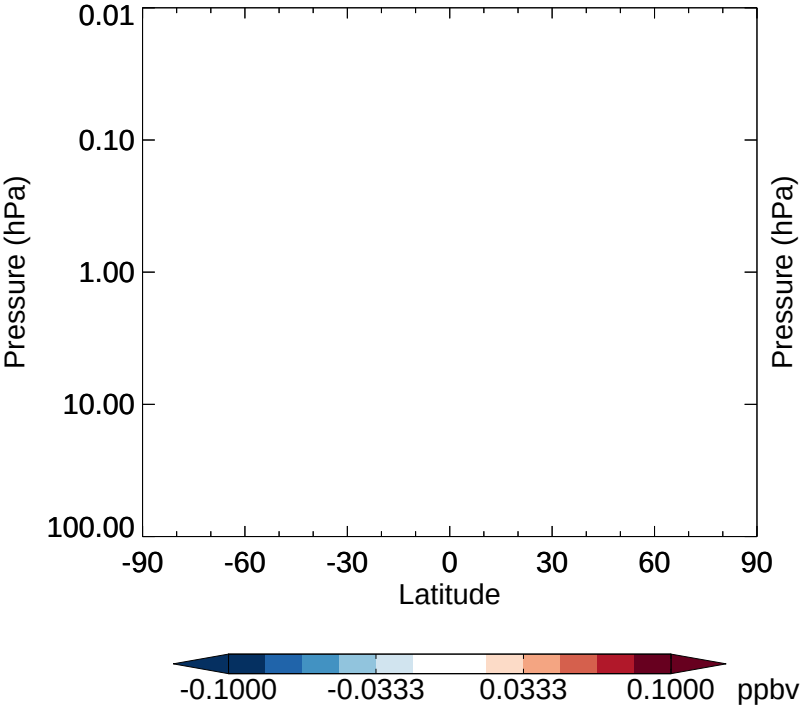
v11-02d / v11-02c

CH3Cl - Strat zonal mean % diff for Jul



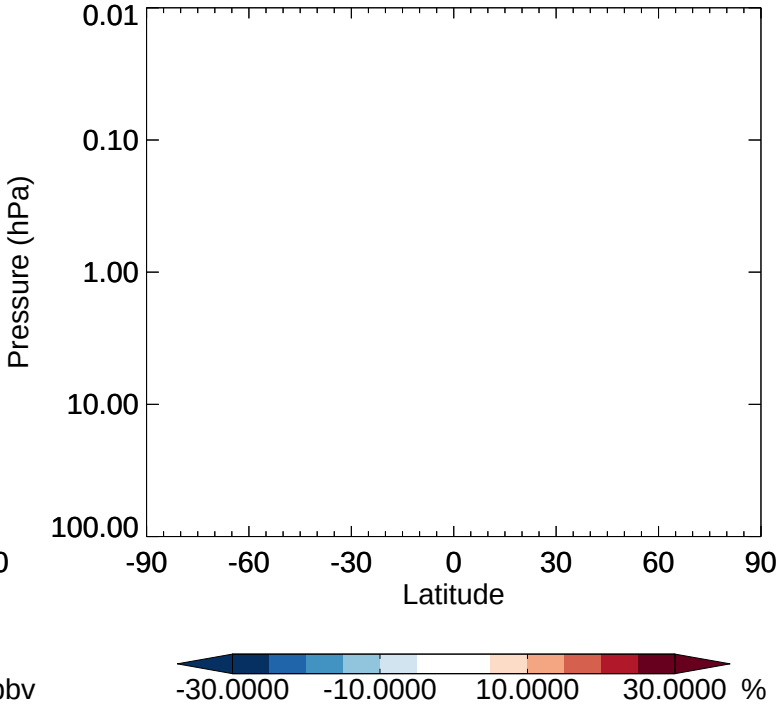
v11-02d - v11-02a

CH3Cl - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

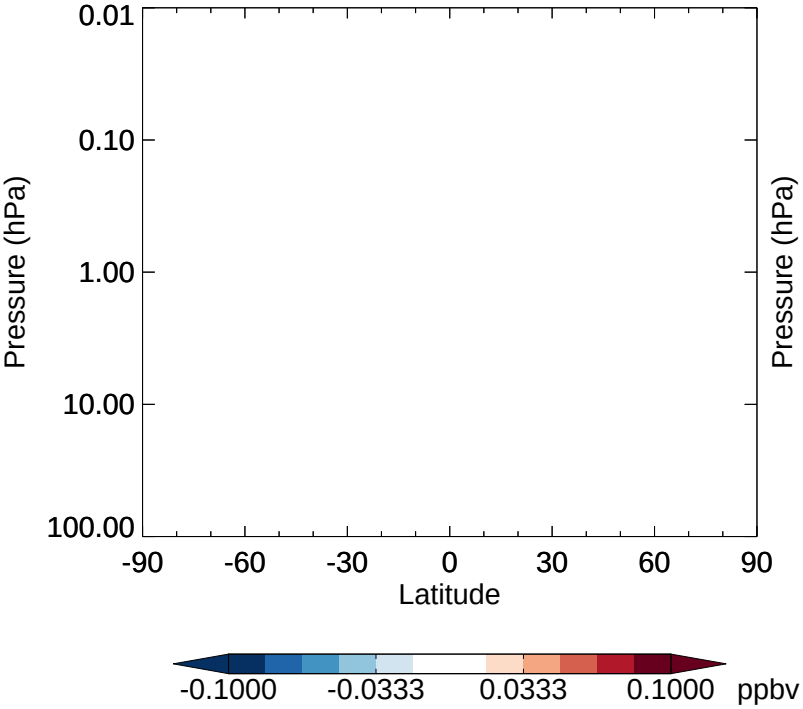
CH3Cl - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

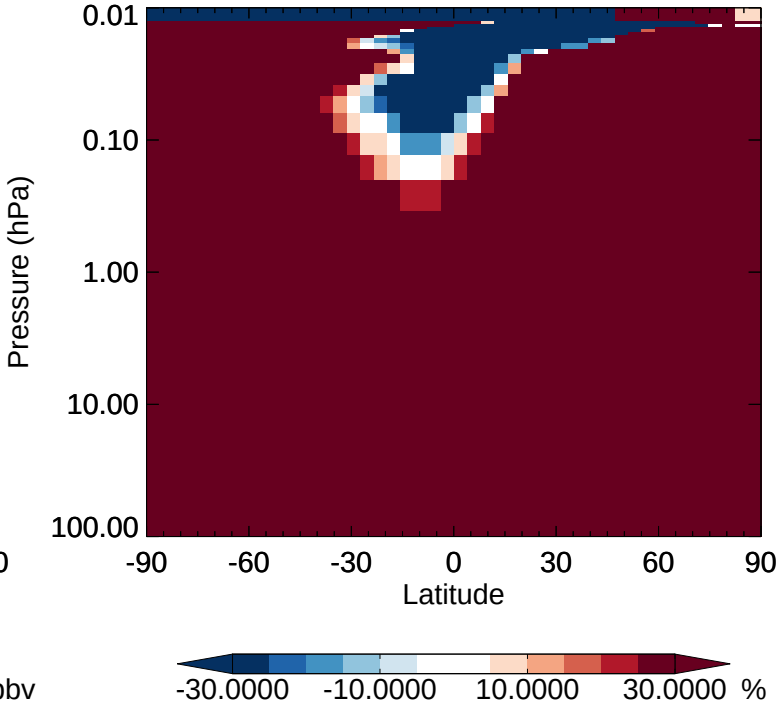
v11-02d - v11-02c

CH3CCl3 - Strat zonal mean abs diff for Jul



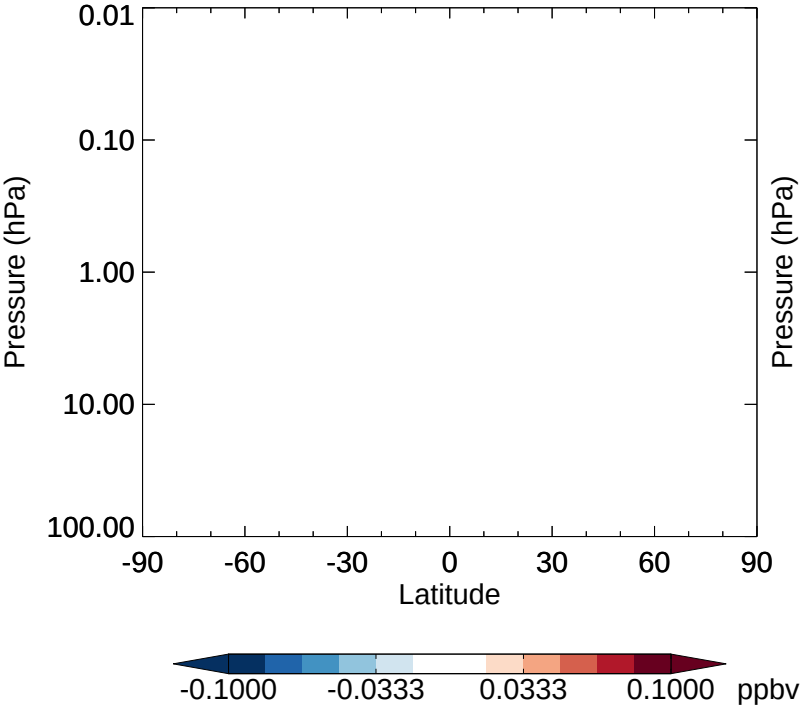
v11-02d / v11-02c

CH3CCl3 - Strat zonal mean % diff for Jul



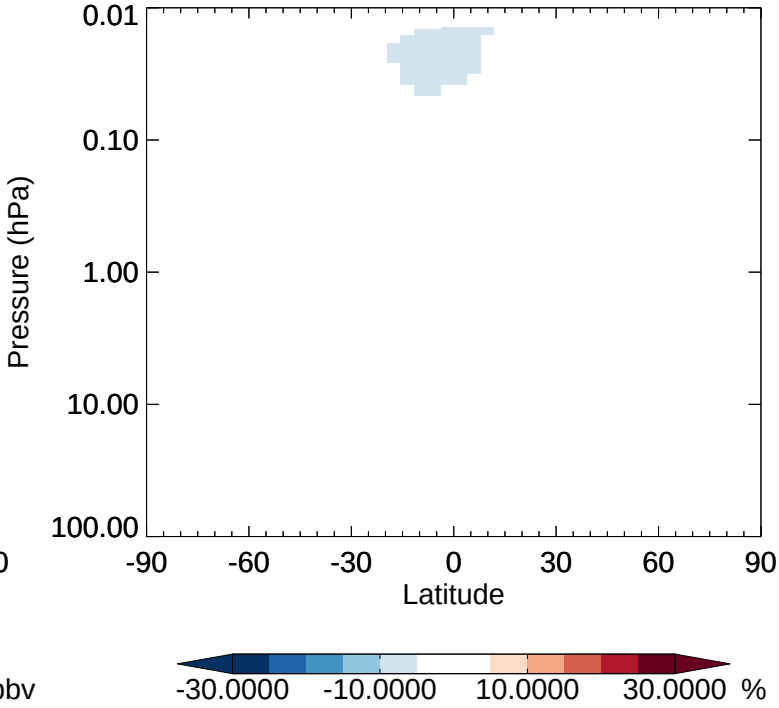
v11-02d - v11-02a

CH3CCl3 - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

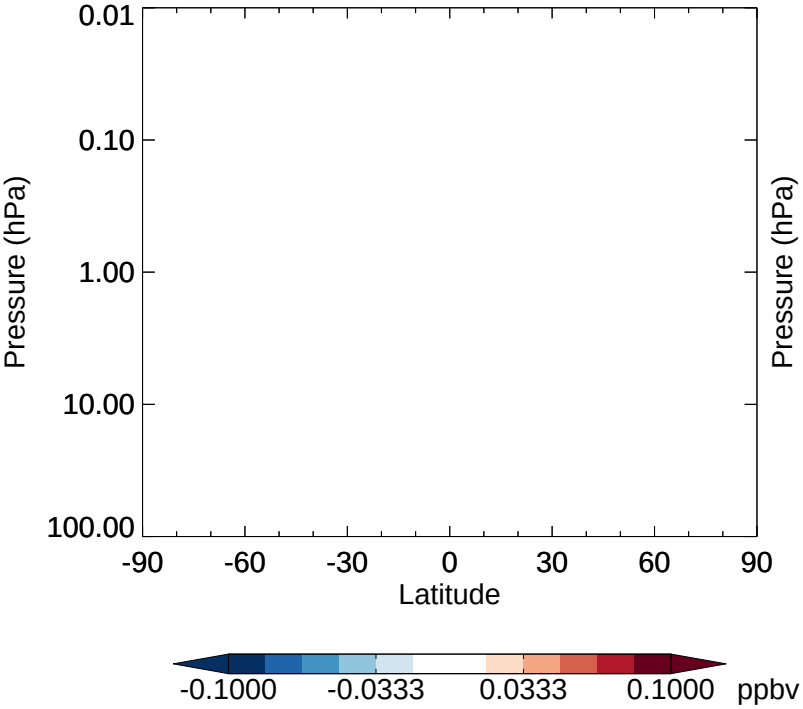
CH3CCl3 - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

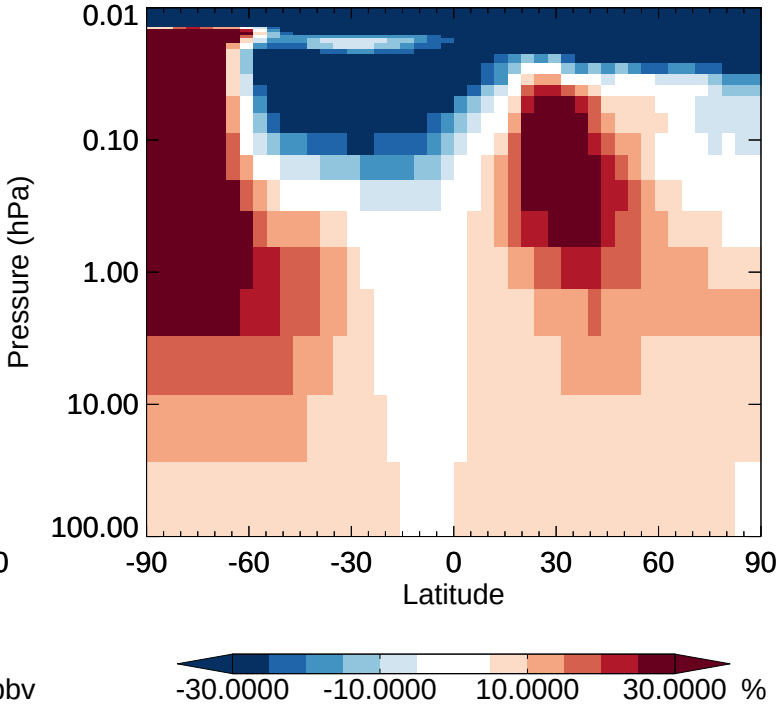
v11-02d - v11-02c

CFC113 - Strat zonal mean abs diff for Jul



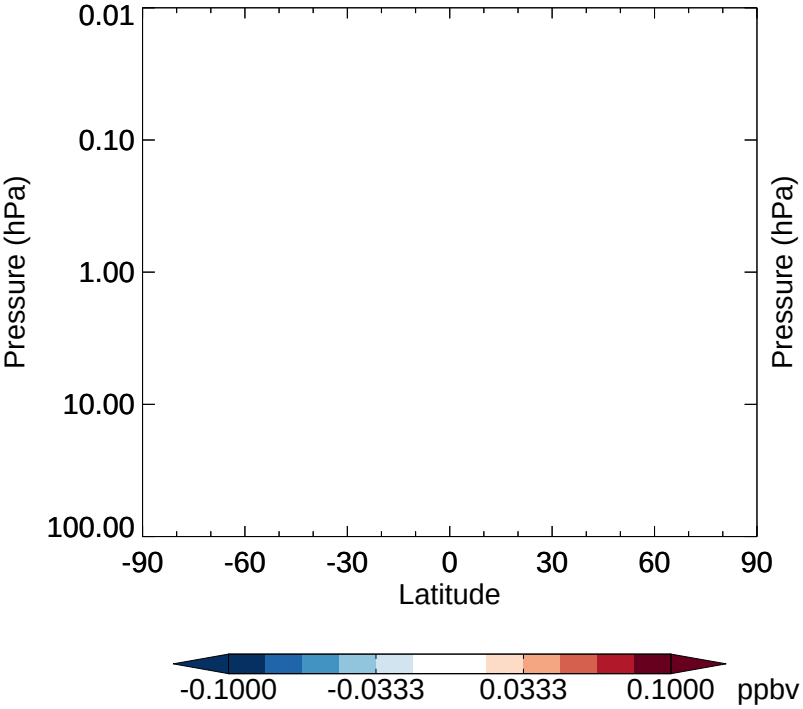
v11-02d / v11-02c

CFC113 - Strat zonal mean % diff for Jul



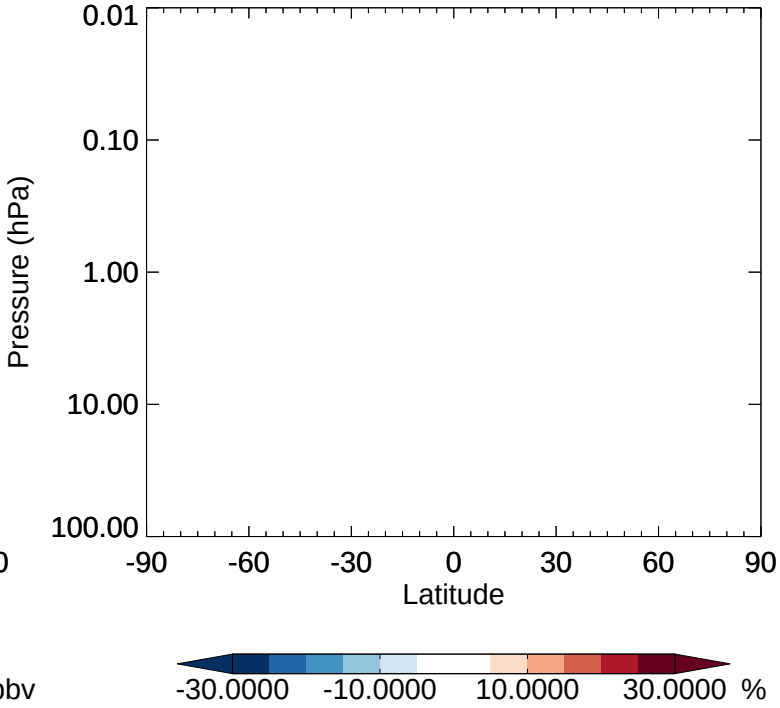
v11-02d - v11-02a

CFC113 - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

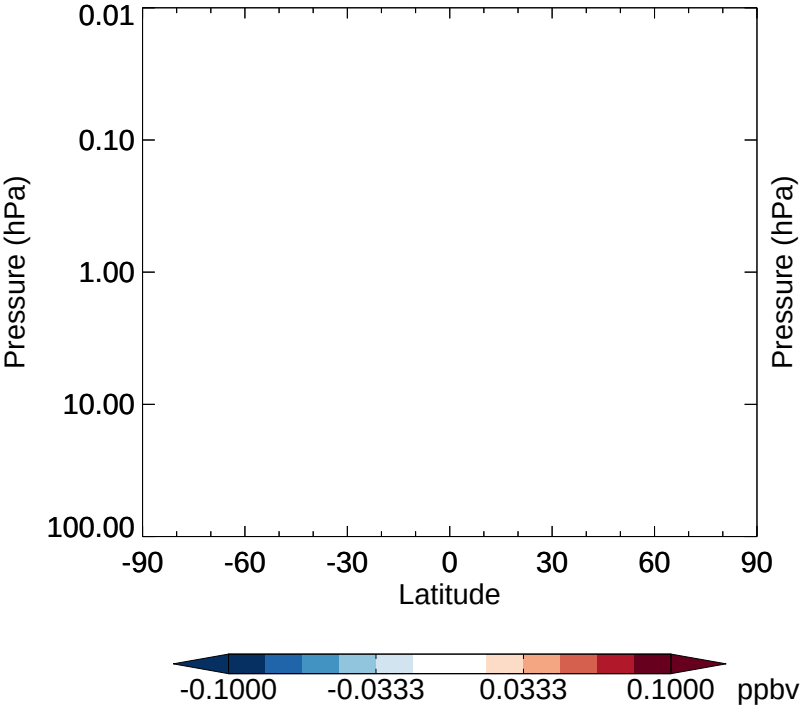
CFC113 - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

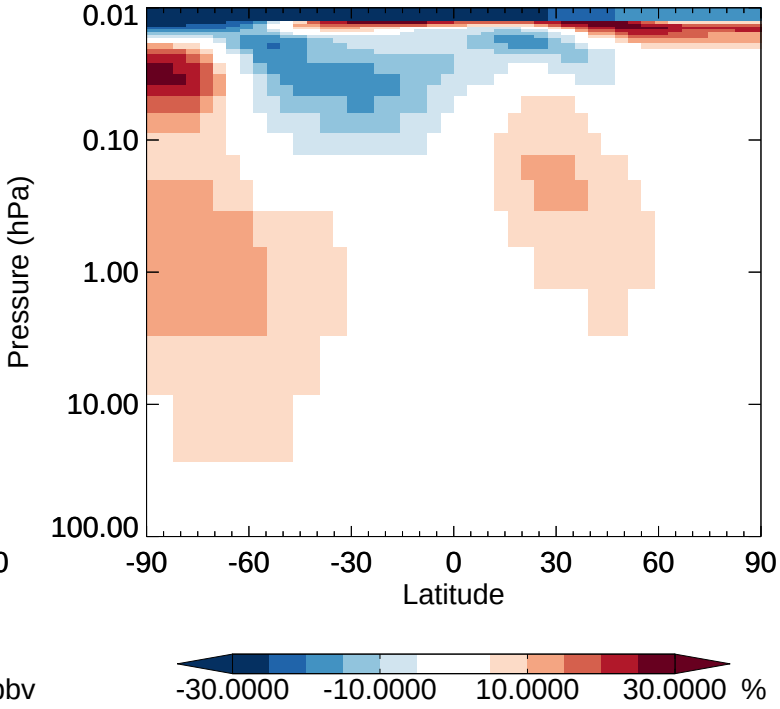
v11-02d - v11-02c

CFC114 - Strat zonal mean abs diff for Jul



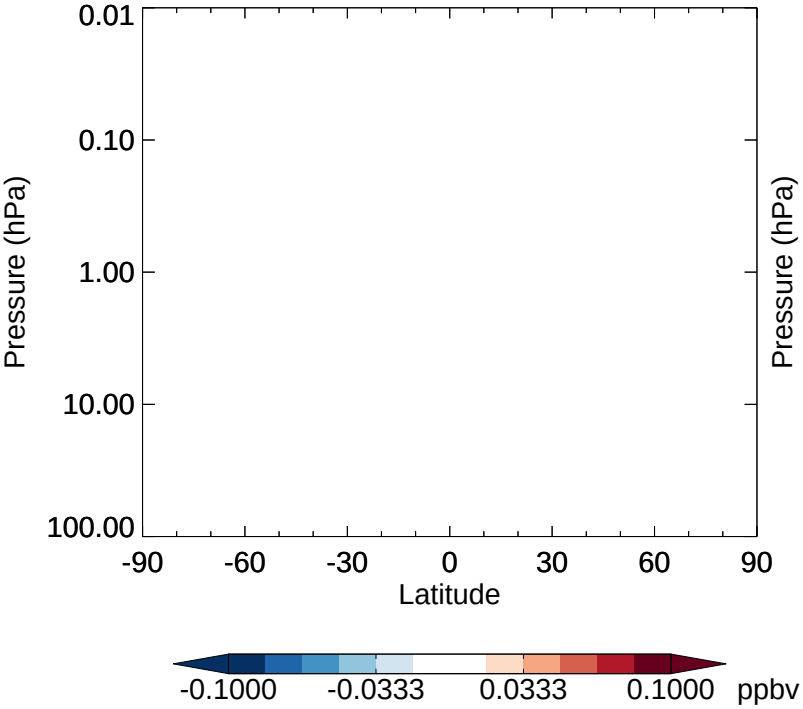
v11-02d / v11-02c

CFC114 - Strat zonal mean % diff for Jul



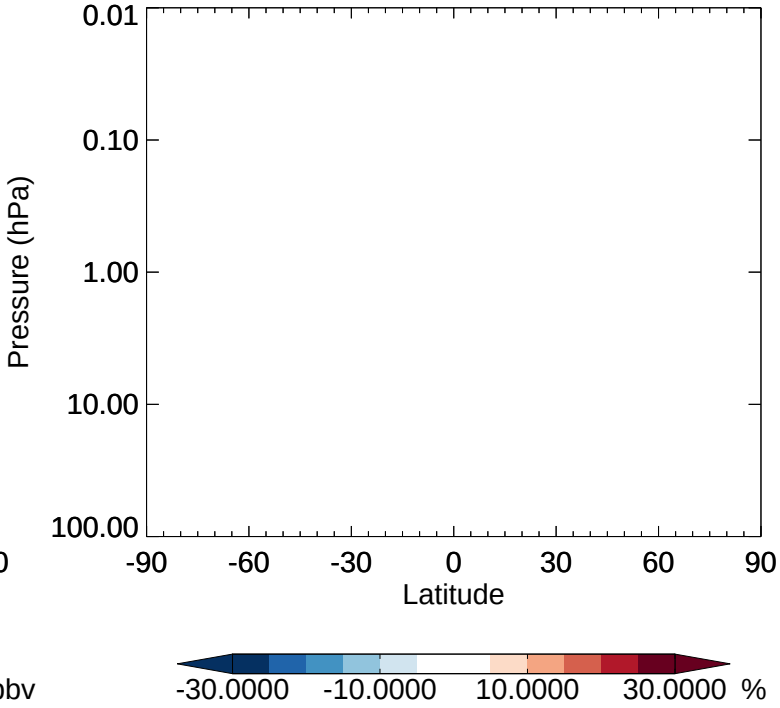
v11-02d - v11-02a

CFC114 - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

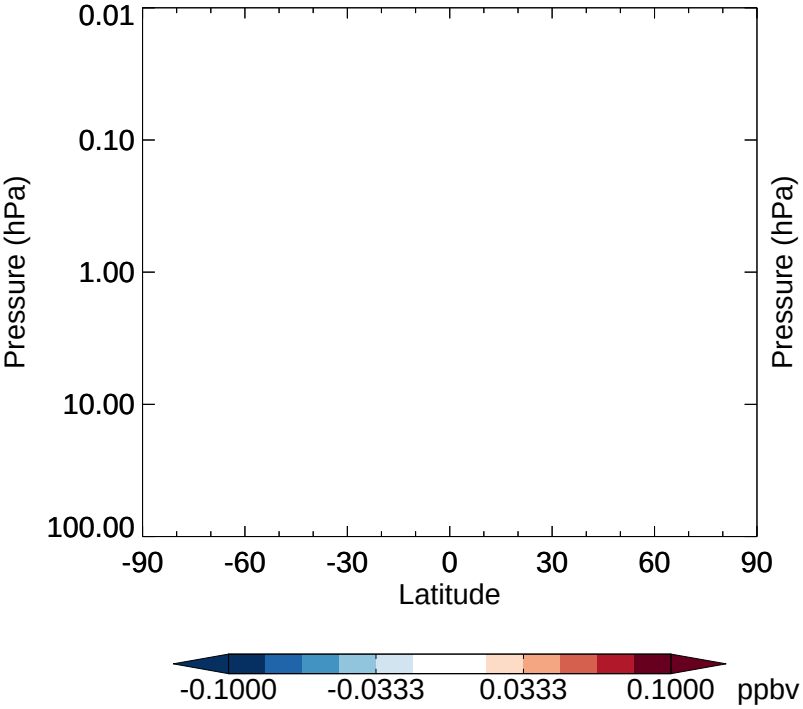
CFC114 - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

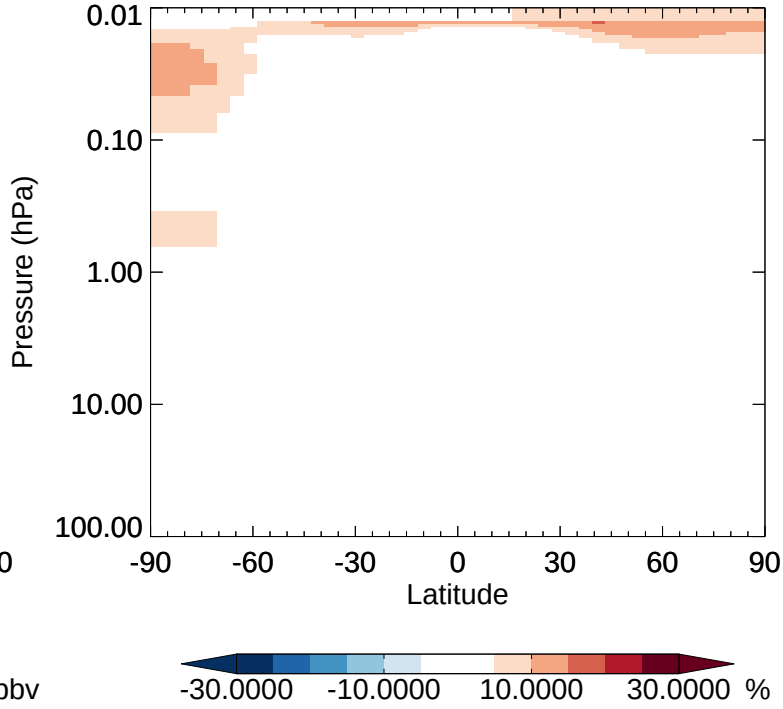
v11-02d - v11-02c

CFC115 - Strat zonal mean abs diff for Jul



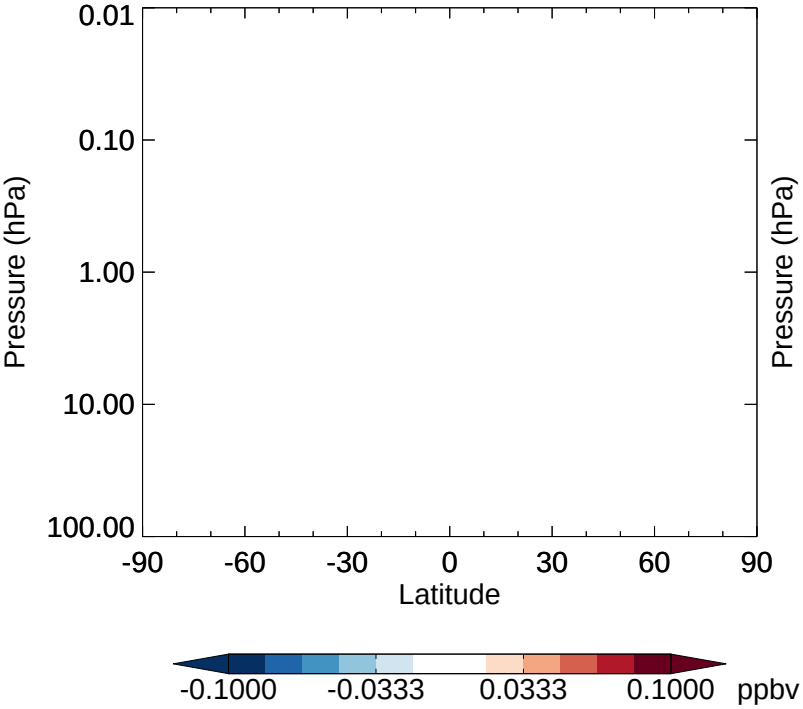
v11-02d / v11-02c

CFC115 - Strat zonal mean % diff for Jul



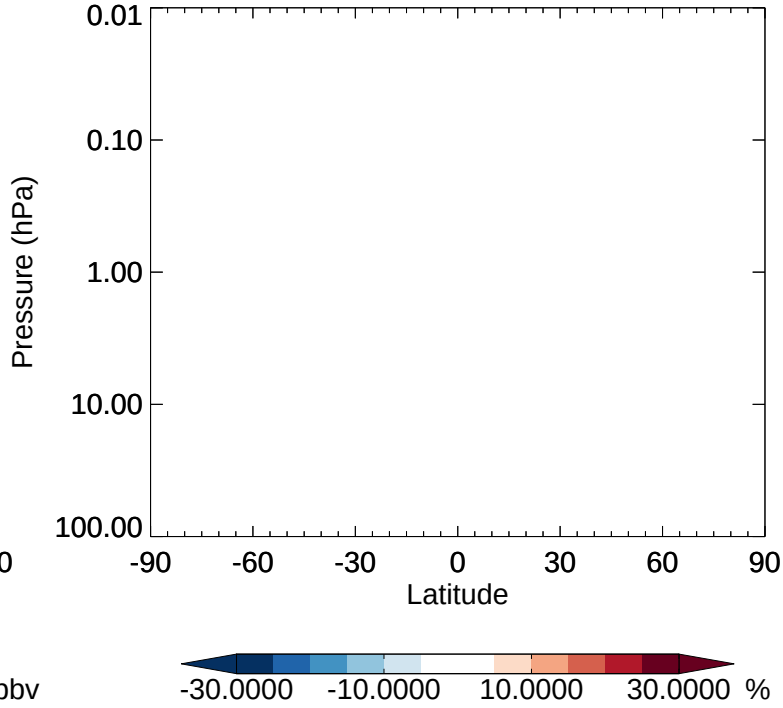
v11-02d - v11-02a

CFC115 - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

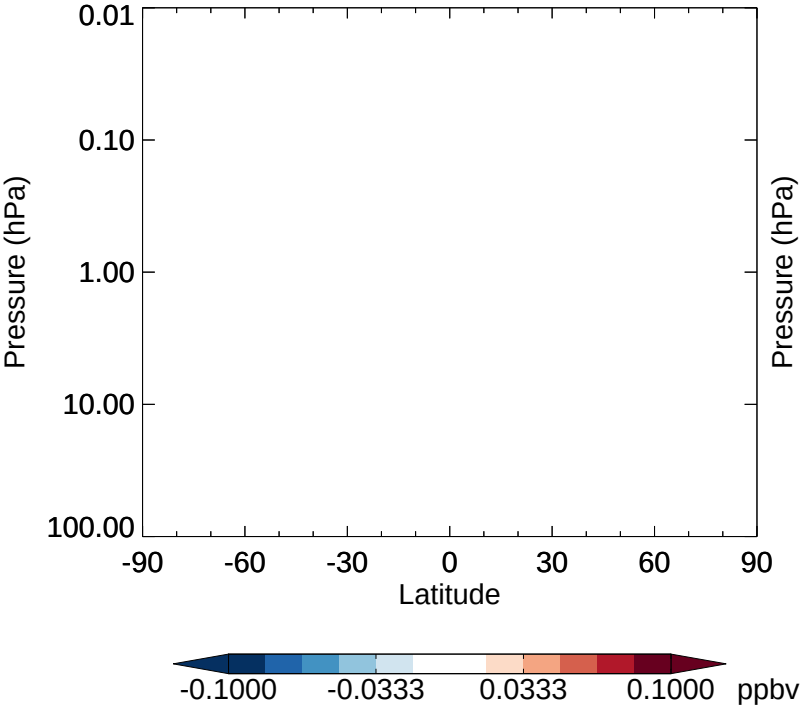
CFC115 - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

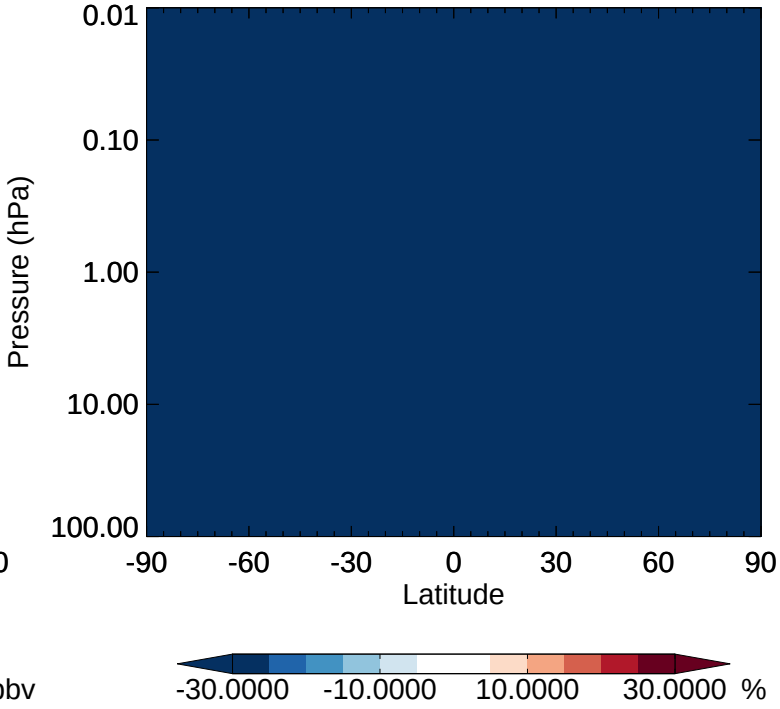
v11-02d - v11-02c

HCFC123 - Strat zonal mean abs diff for Jul



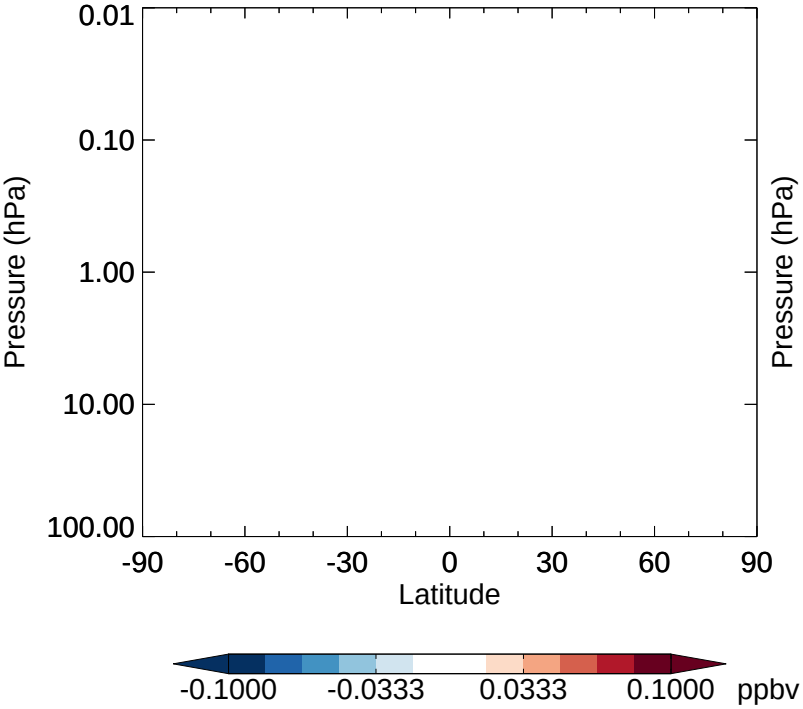
v11-02d / v11-02c

HCFC123 - Strat zonal mean % diff for Jul



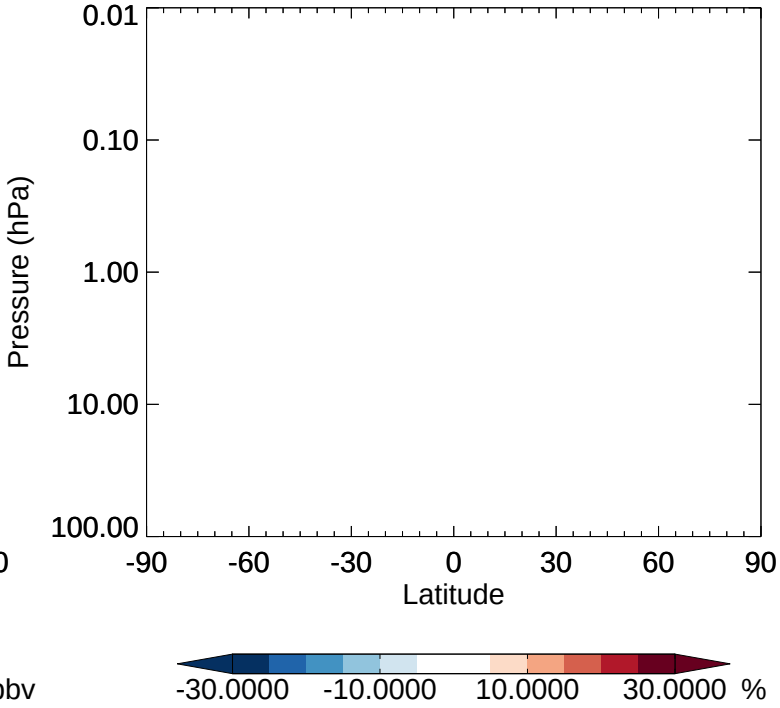
v11-02d - v11-02a

HCFC123 - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

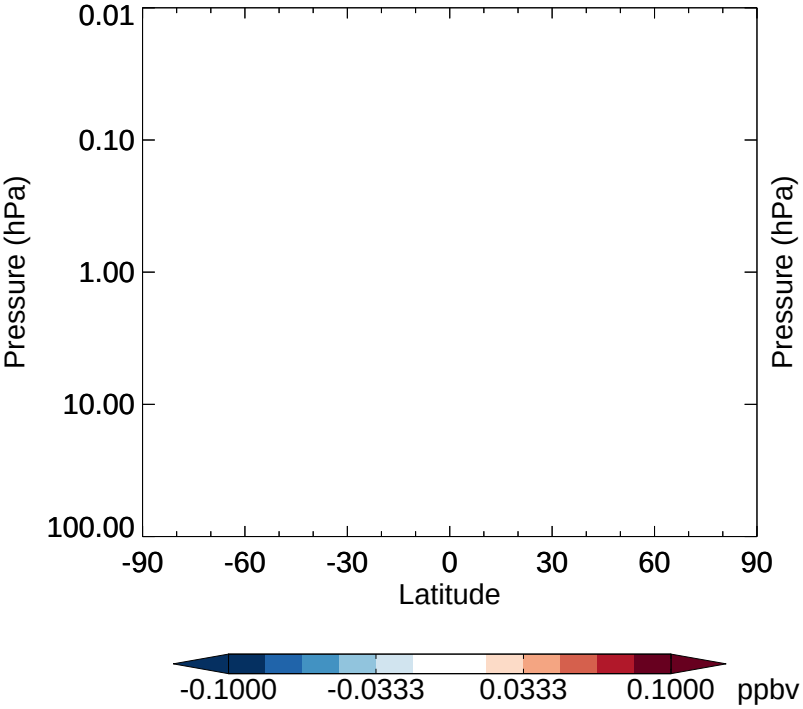
HCFC123 - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

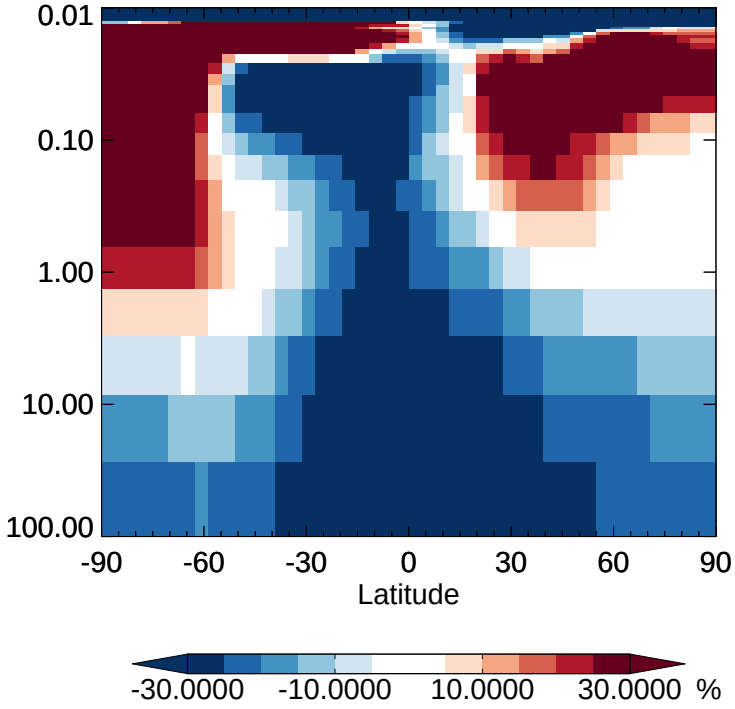
v11-02d - v11-02c

HCFC141b - Strat zonal mean abs diff for Jul



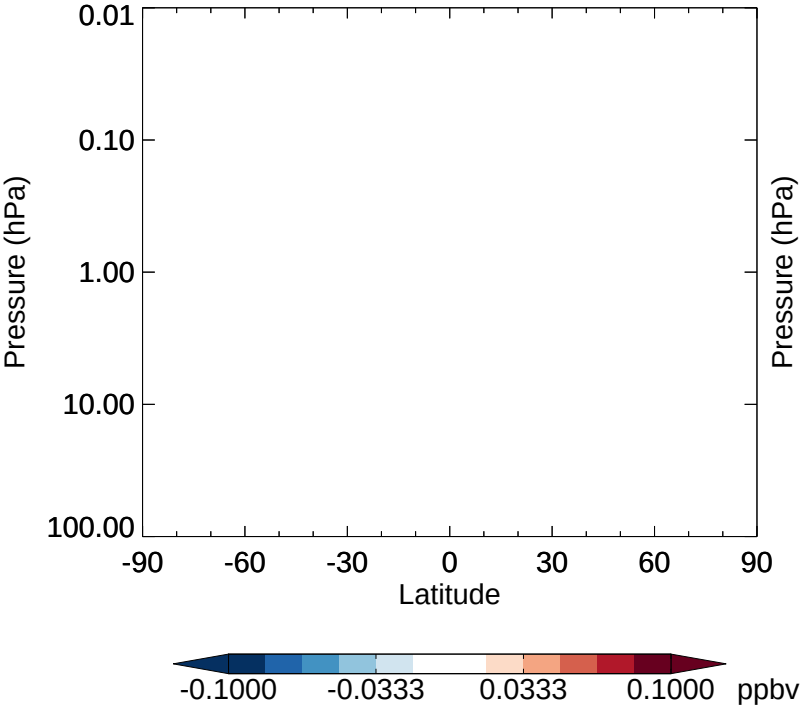
v11-02d / v11-02c

HCFC141b - Strat zonal mean % diff for Jul



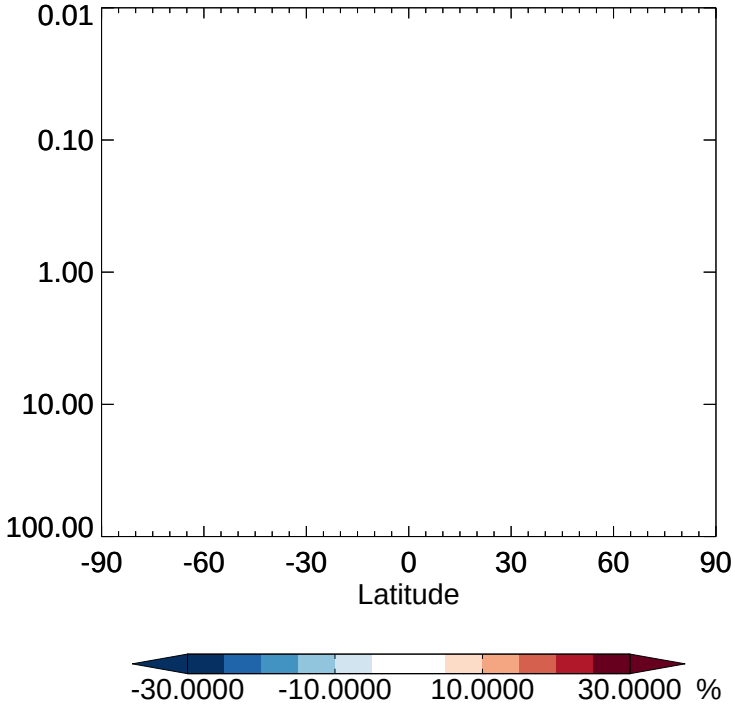
v11-02d - v11-02a

HCFC141b - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

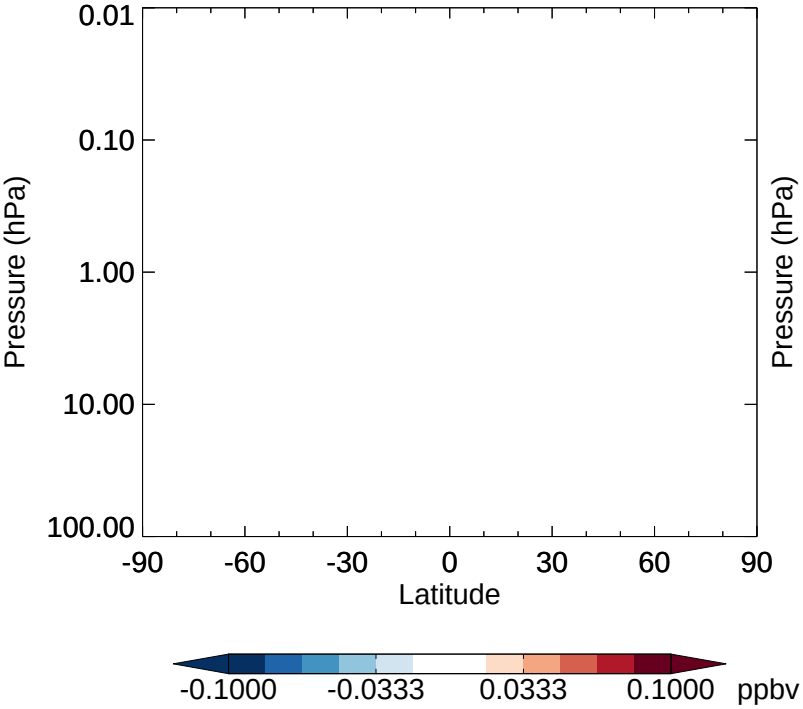
HCFC141b - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

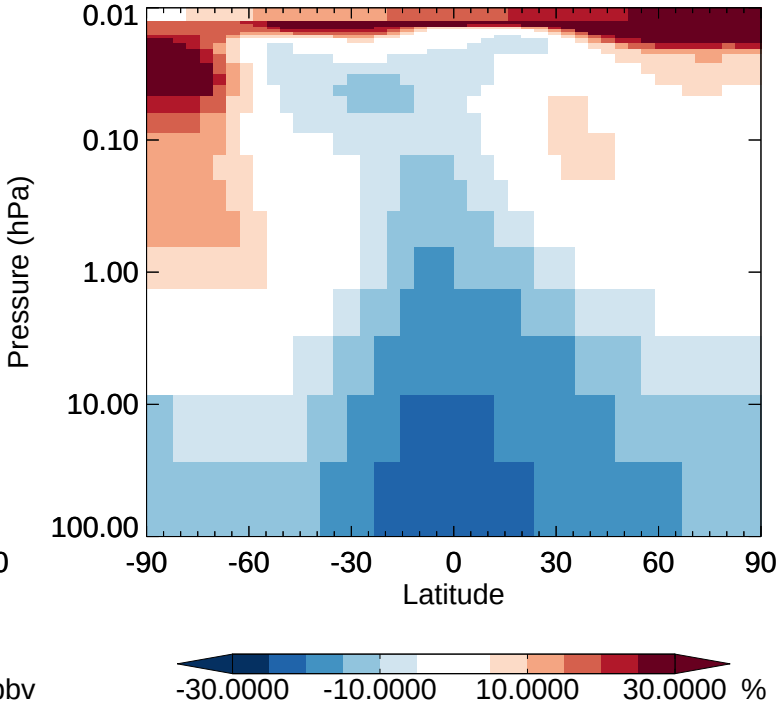
v11-02d - v11-02c

HCFC142b - Strat zonal mean abs diff for Jul



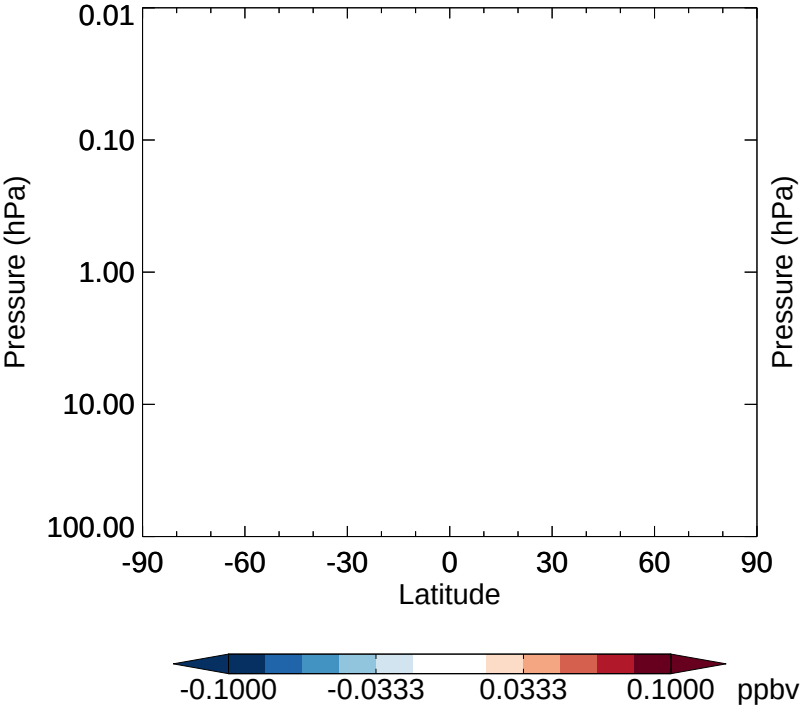
v11-02d / v11-02c

HCFC142b - Strat zonal mean % diff for Jul



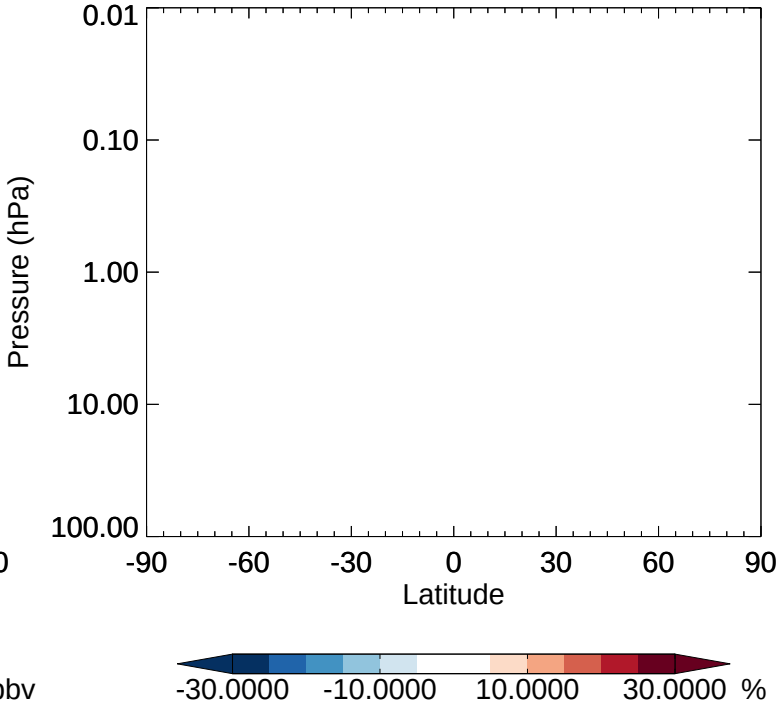
v11-02d - v11-02a

HCFC142b - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

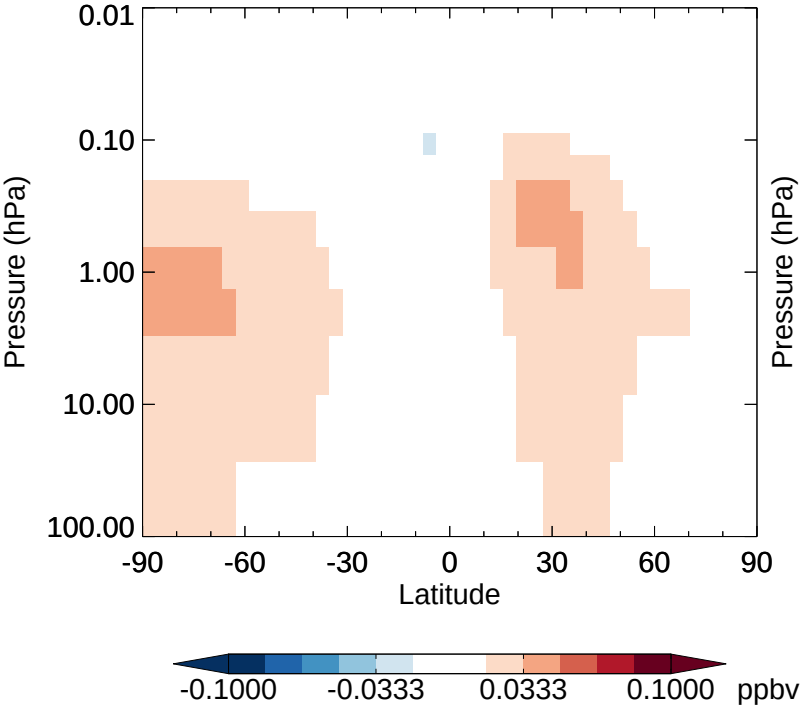
HCFC142b - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

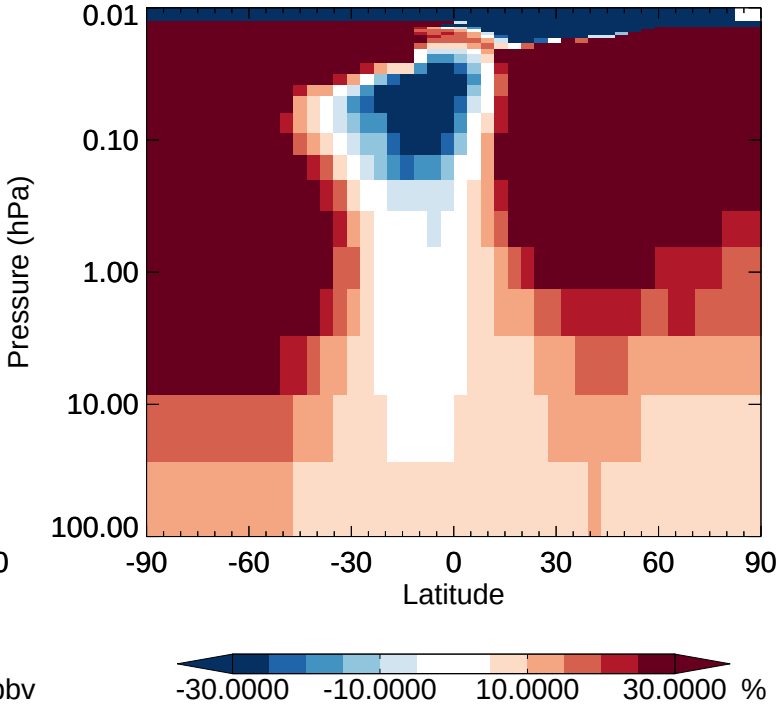
v11-02d - v11-02c

CFC11 - Strat zonal mean abs diff for Jul



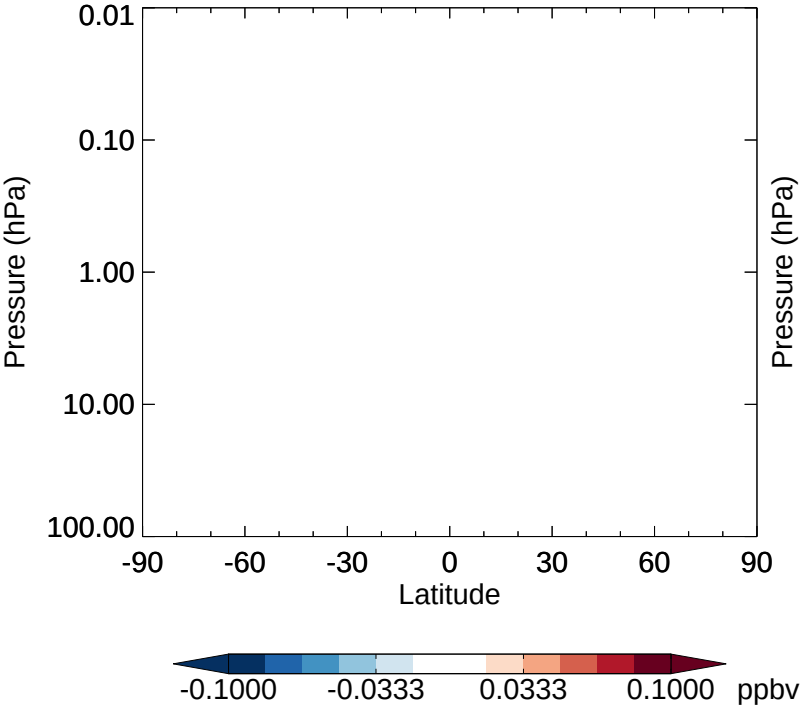
v11-02d / v11-02c

CFC11 - Strat zonal mean % diff for Jul



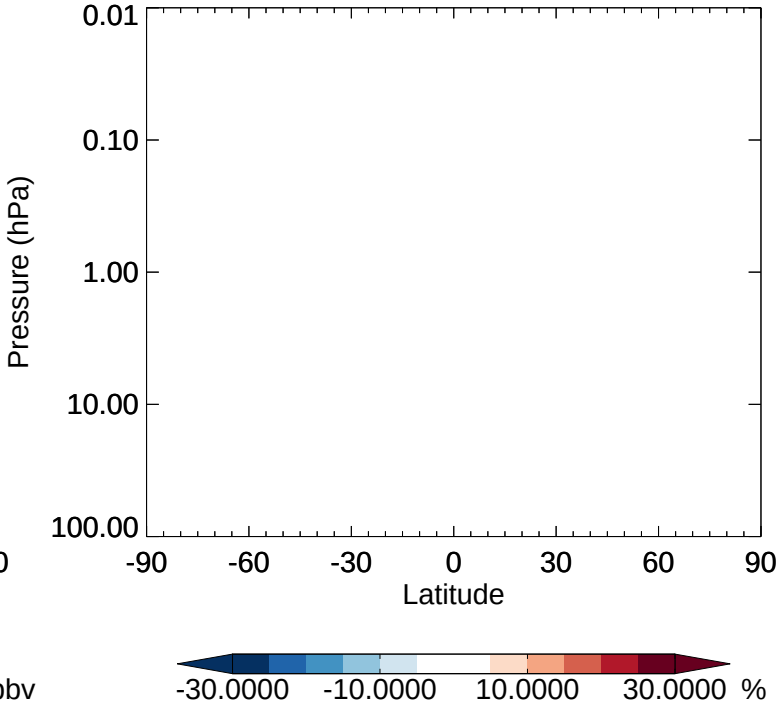
v11-02d - v11-02a

CFC11 - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

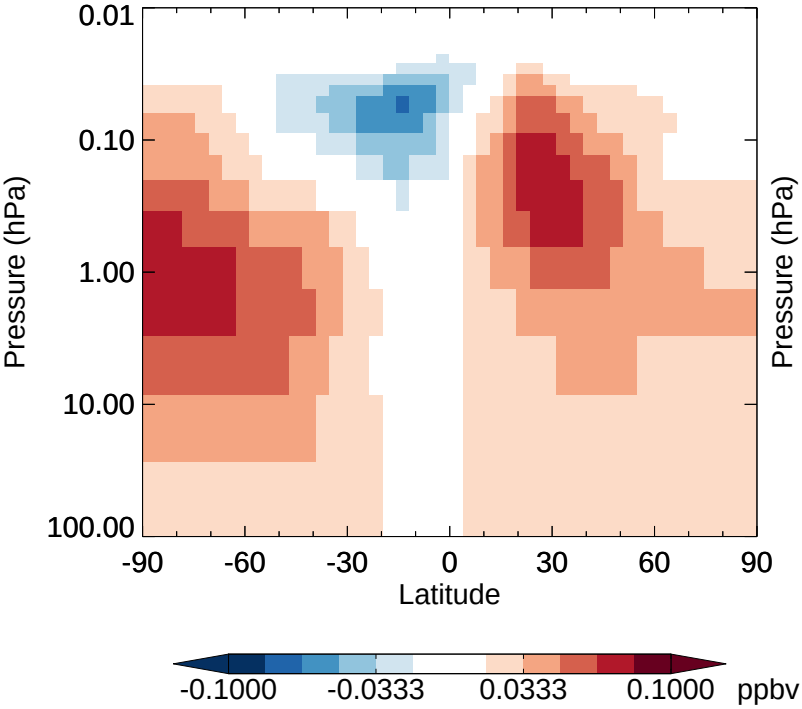
CFC11 - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

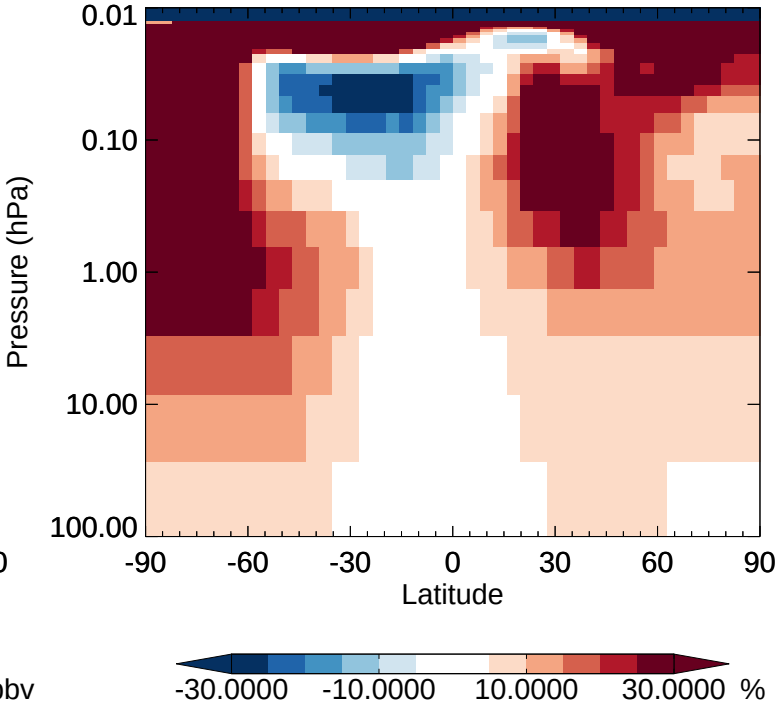
v11-02d - v11-02c

CFC12 - Strat zonal mean abs diff for Jul



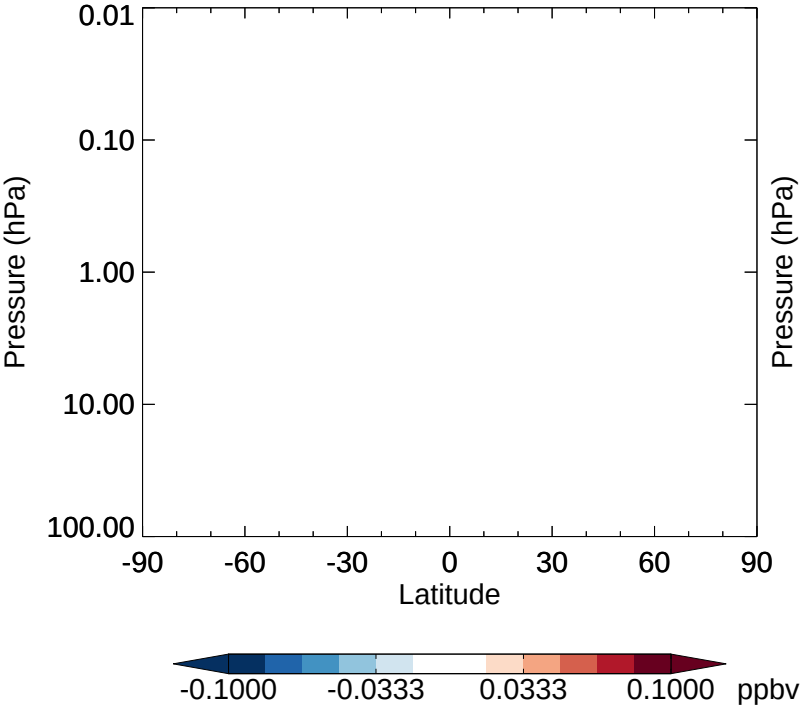
v11-02d / v11-02c

CFC12 - Strat zonal mean % diff for Jul



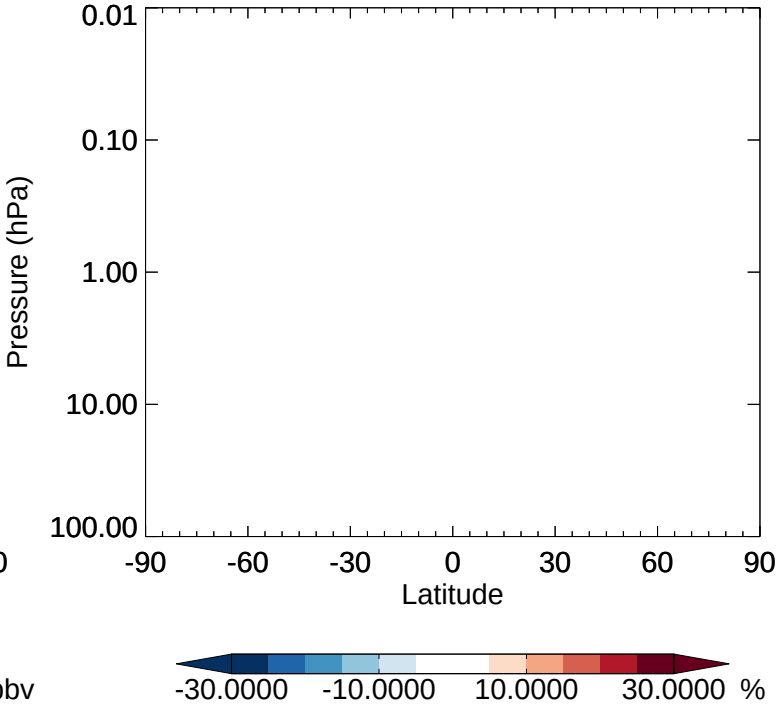
v11-02d - v11-02a

CFC12 - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

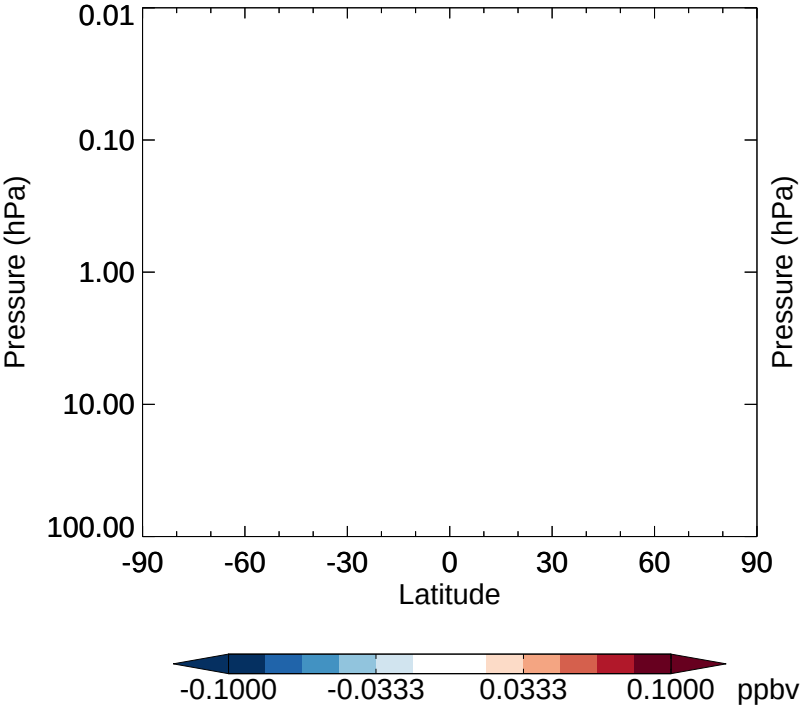
CFC12 - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

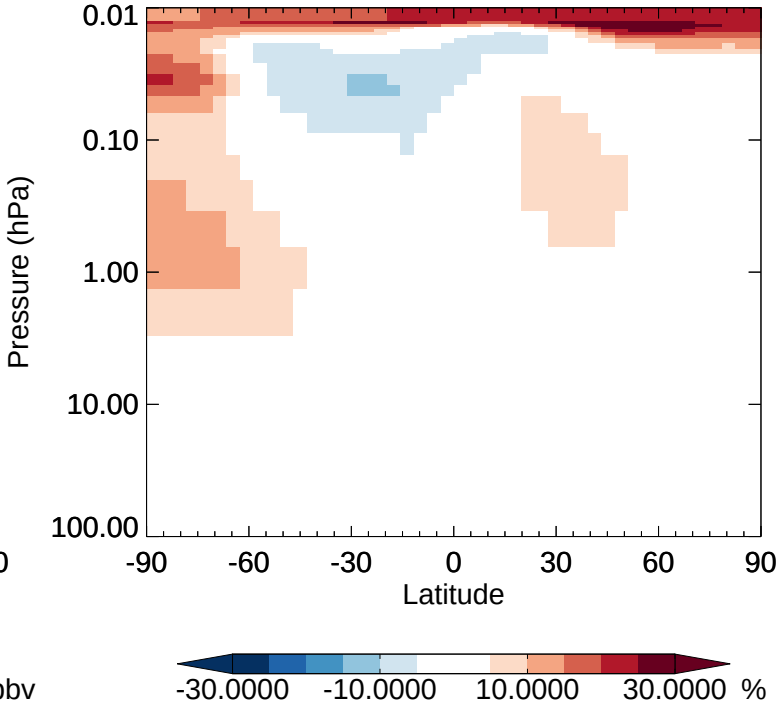
v11-02d - v11-02c

HCFC22 - Strat zonal mean abs diff for Jul



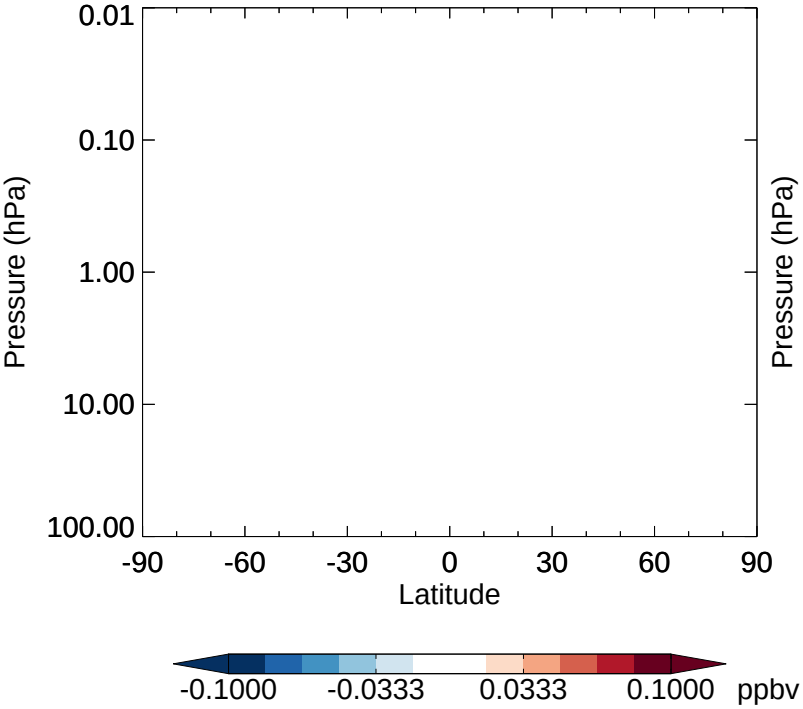
v11-02d / v11-02c

HCFC22 - Strat zonal mean % diff for Jul



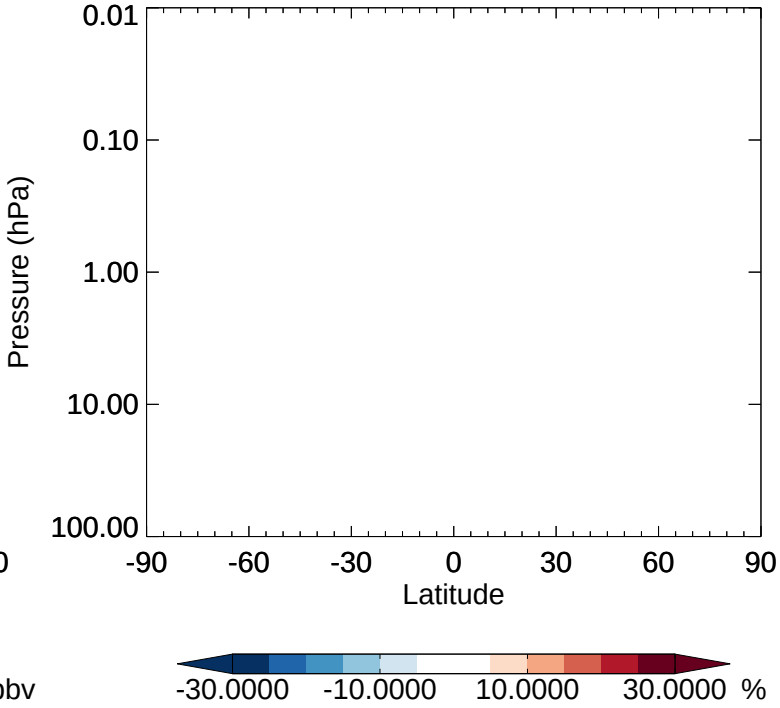
v11-02d - v11-02a

HCFC22 - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

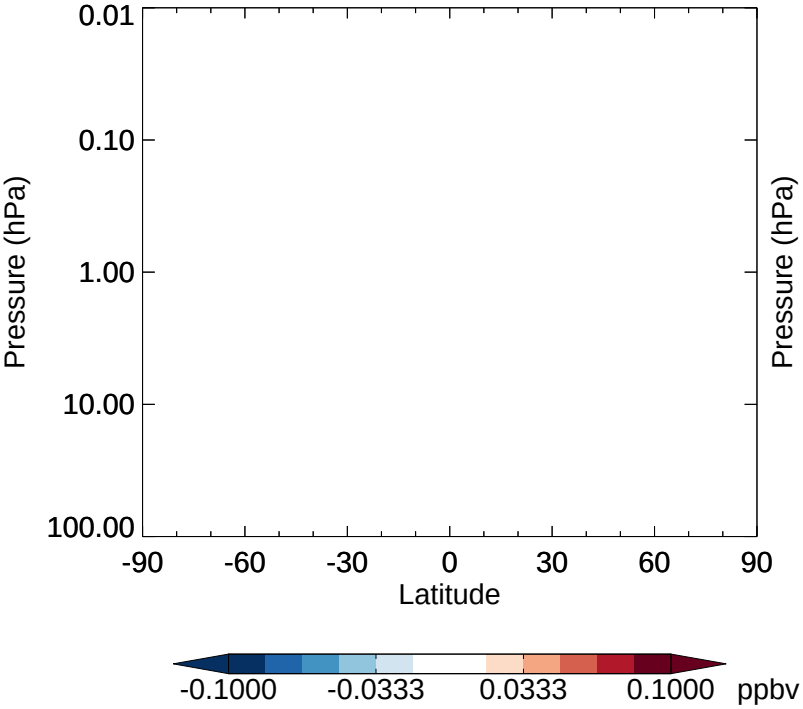
HCFC22 - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

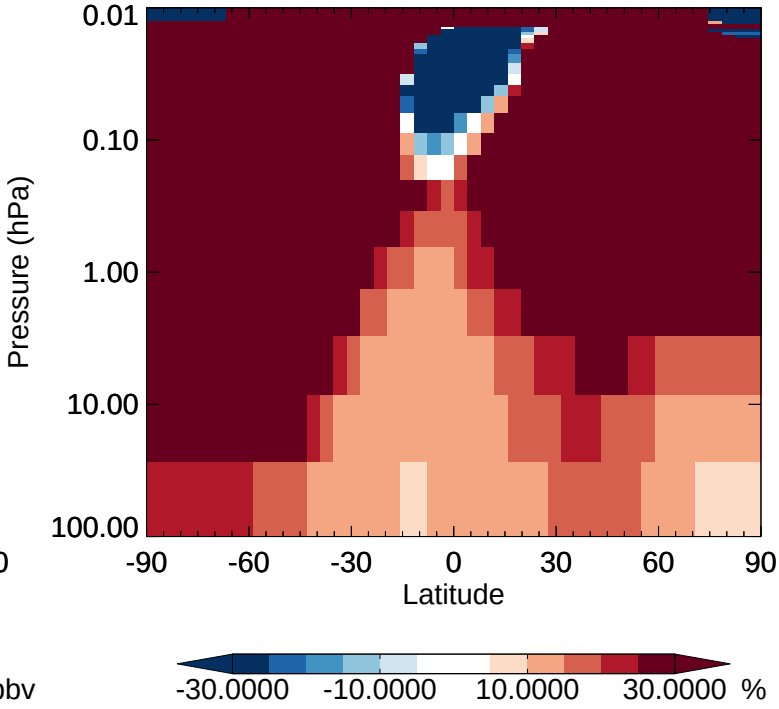
v11-02d - v11-02c

H1211 - Strat zonal mean abs diff for Jul



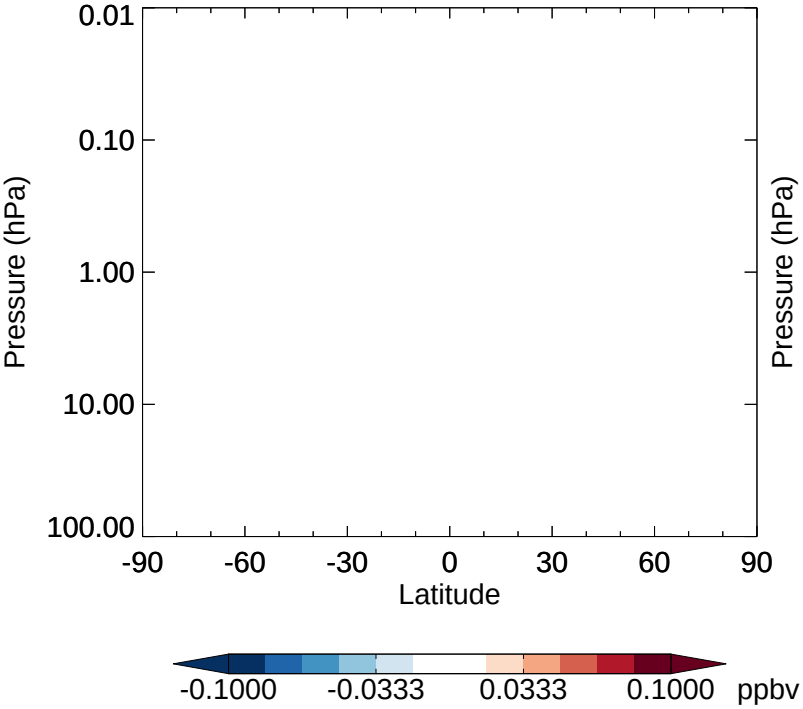
v11-02d / v11-02c

H1211 - Strat zonal mean % diff for Jul



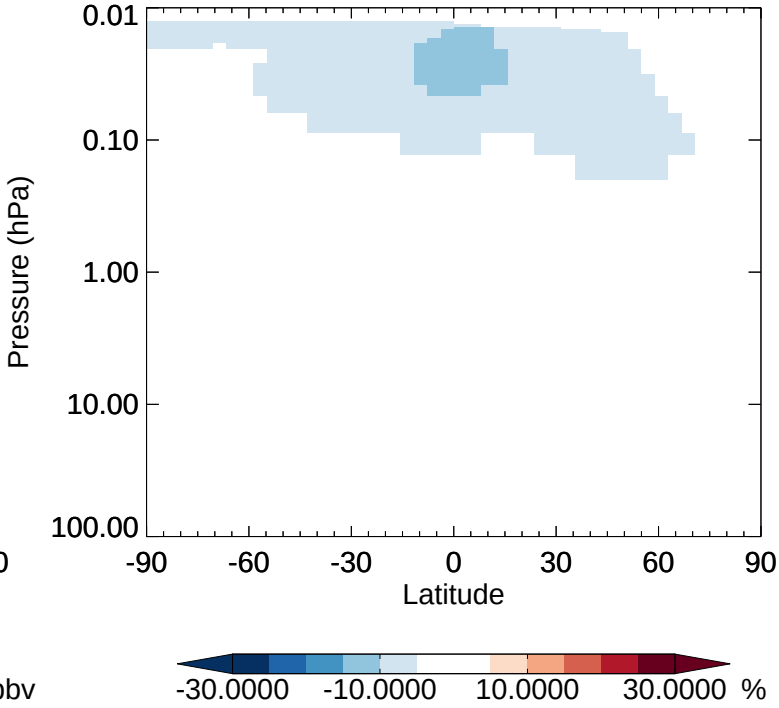
v11-02d - v11-02a

H1211 - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

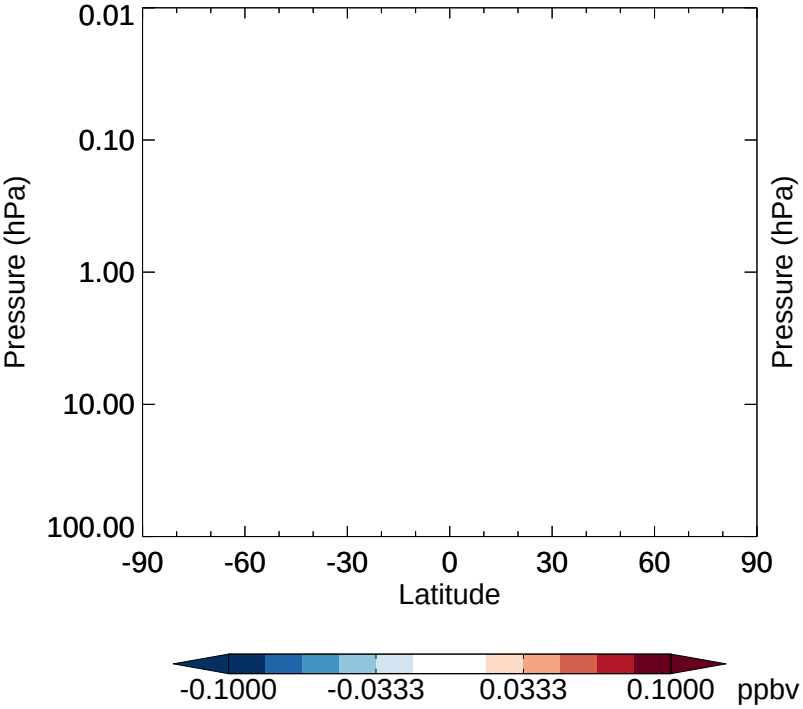
H1211 - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

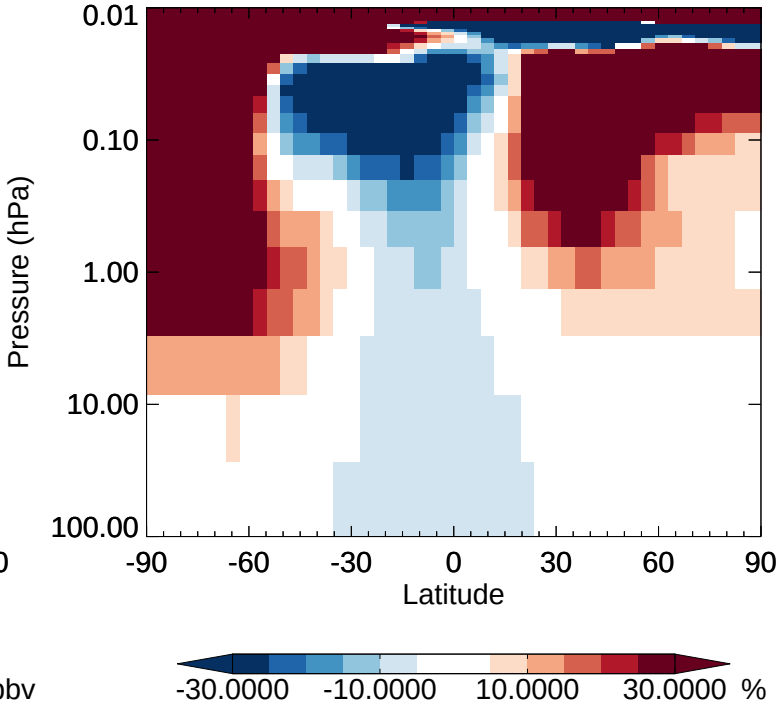
v11-02d - v11-02c

H1301 - Strat zonal mean abs diff for Jul



v11-02d / v11-02c

H1301 - Strat zonal mean % diff for Jul



v11-02d - v11-02a

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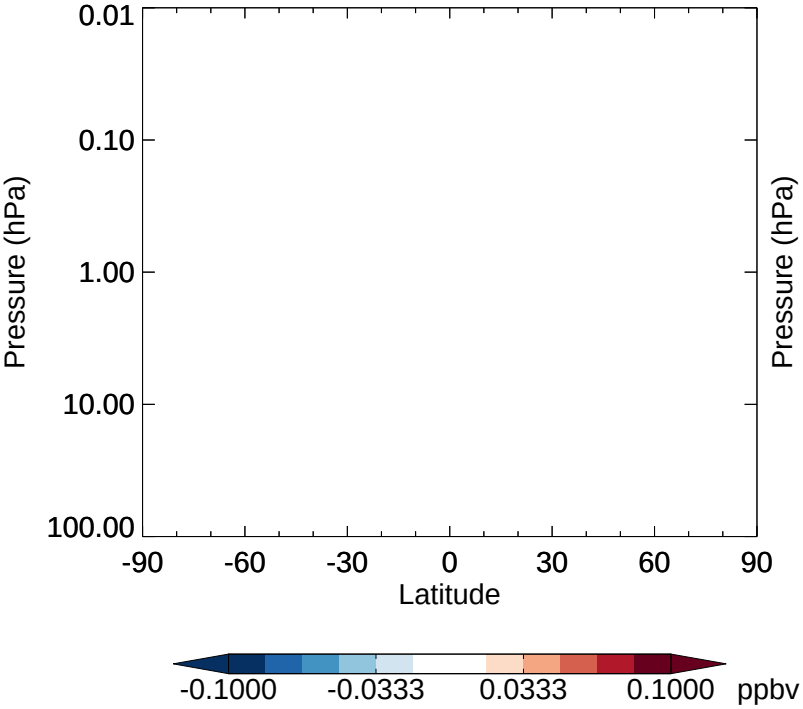
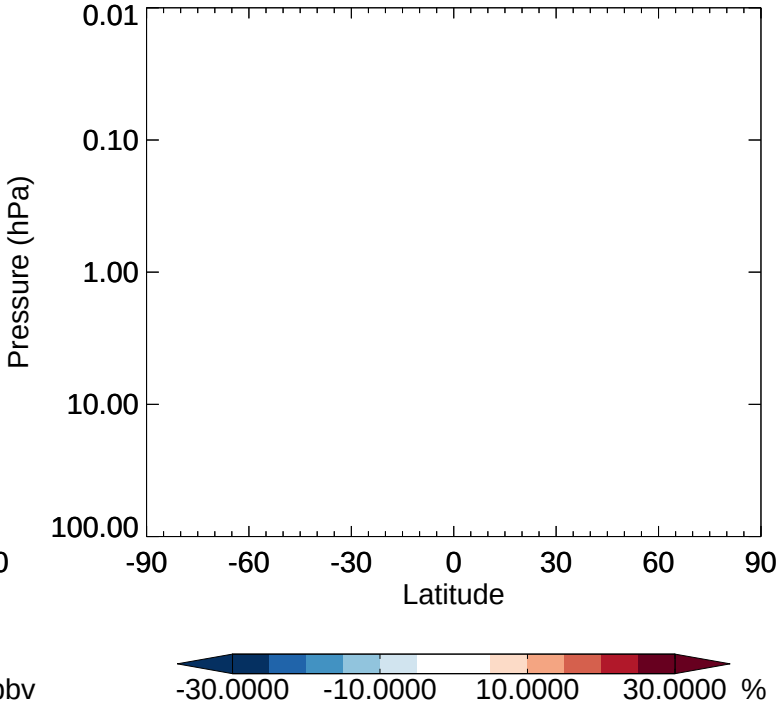


v11-02d / v11-02a

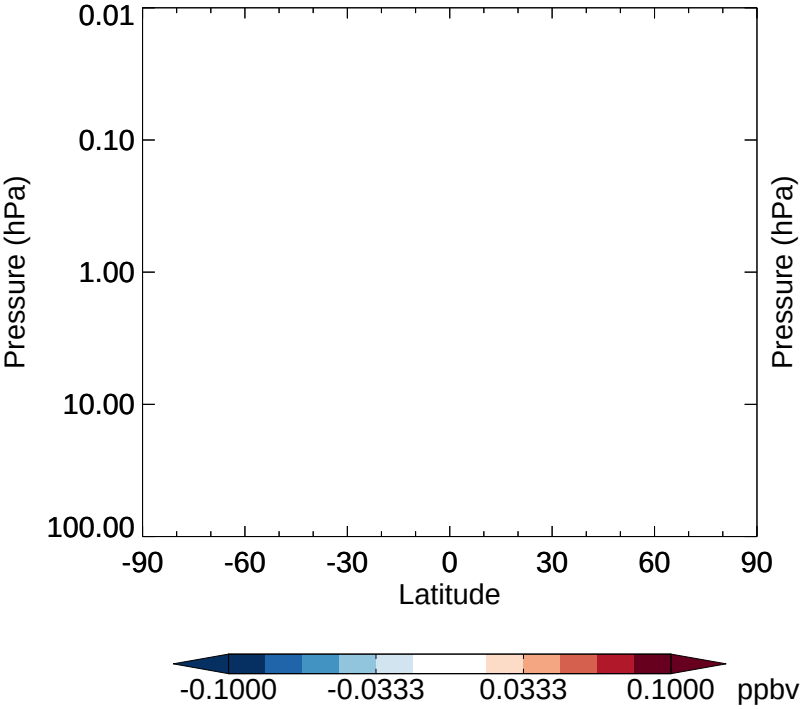
H1301 - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

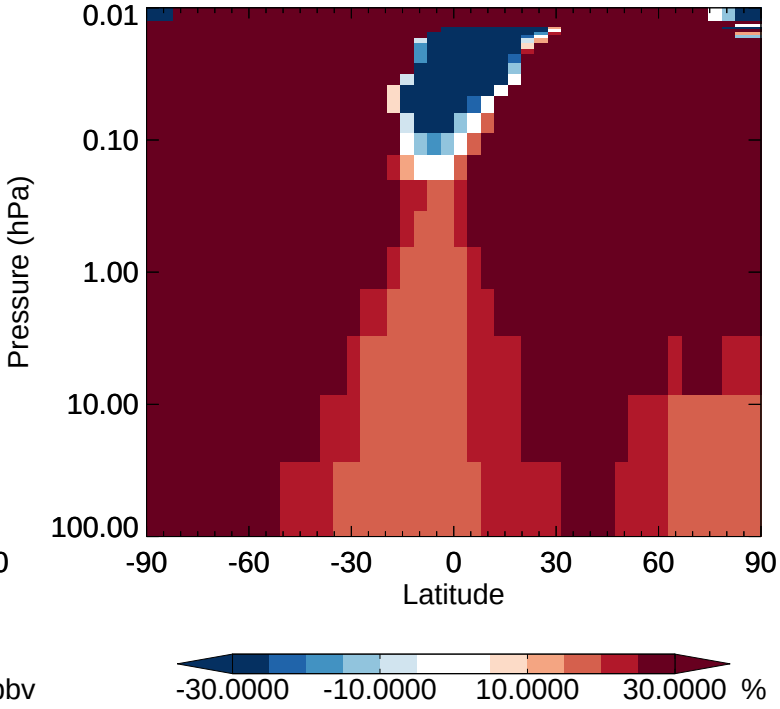
v11-02d - v11-02c

H2402 - Strat zonal mean abs diff for Jul



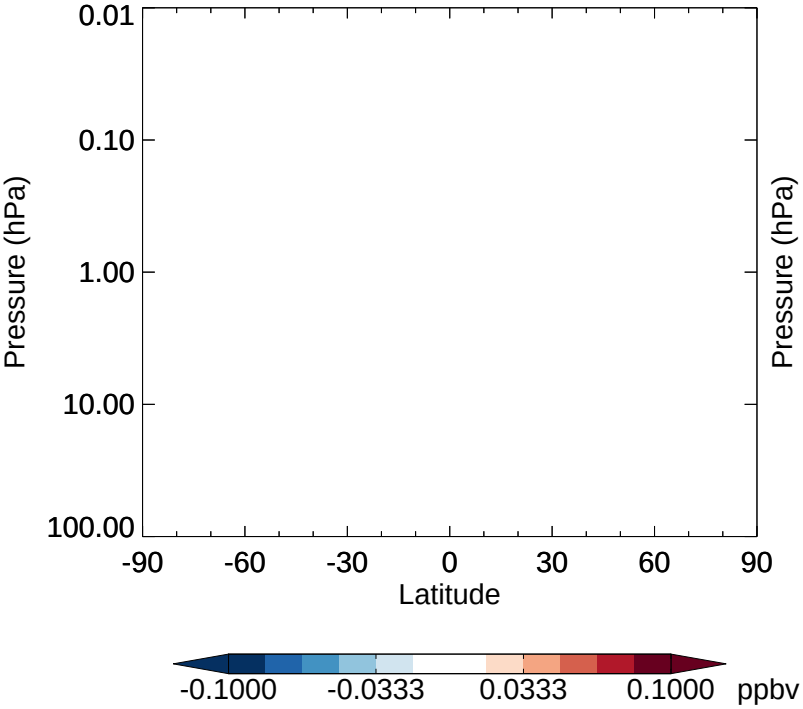
v11-02d / v11-02c

H2402 - Strat zonal mean % diff for Jul



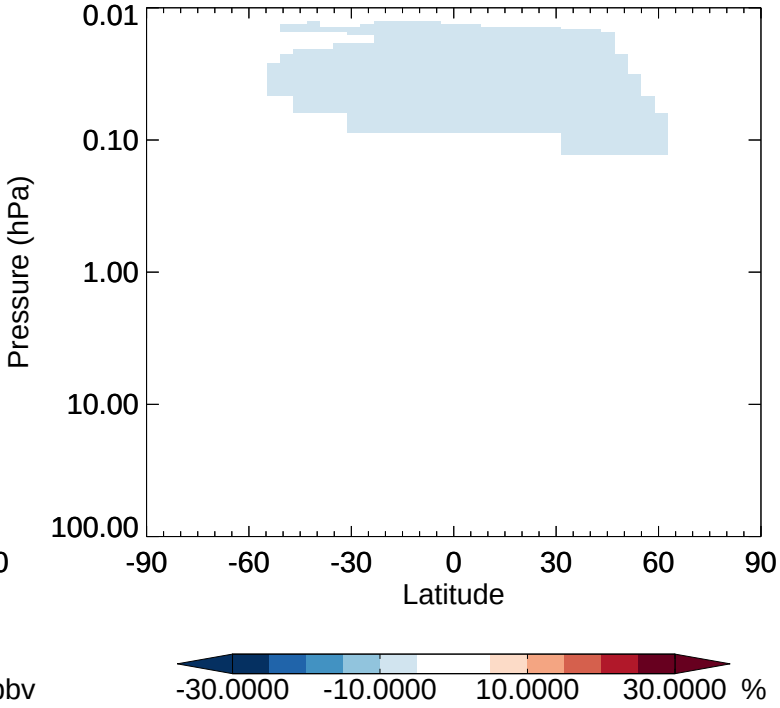
v11-02d - v11-02a

H2402 - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

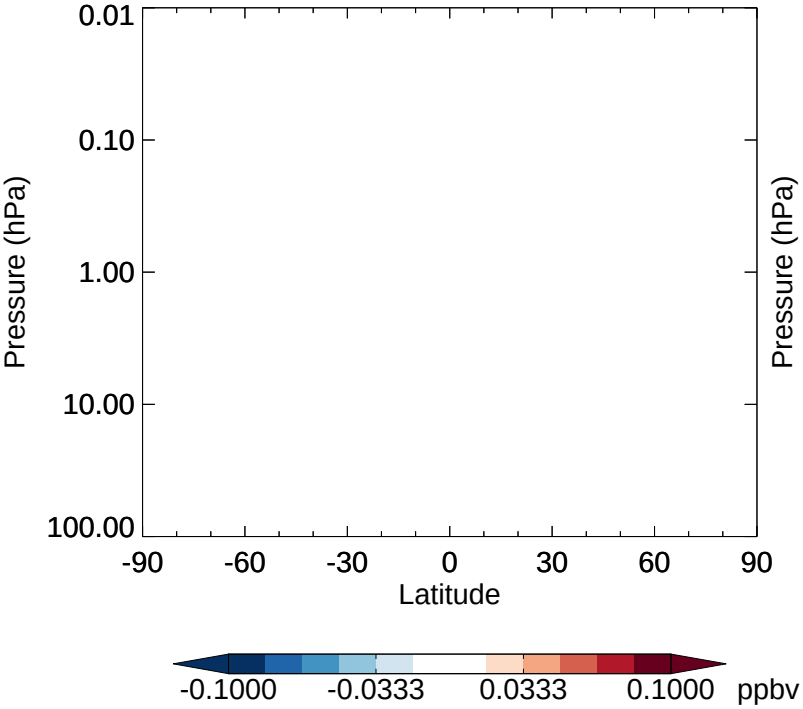
H2402 - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

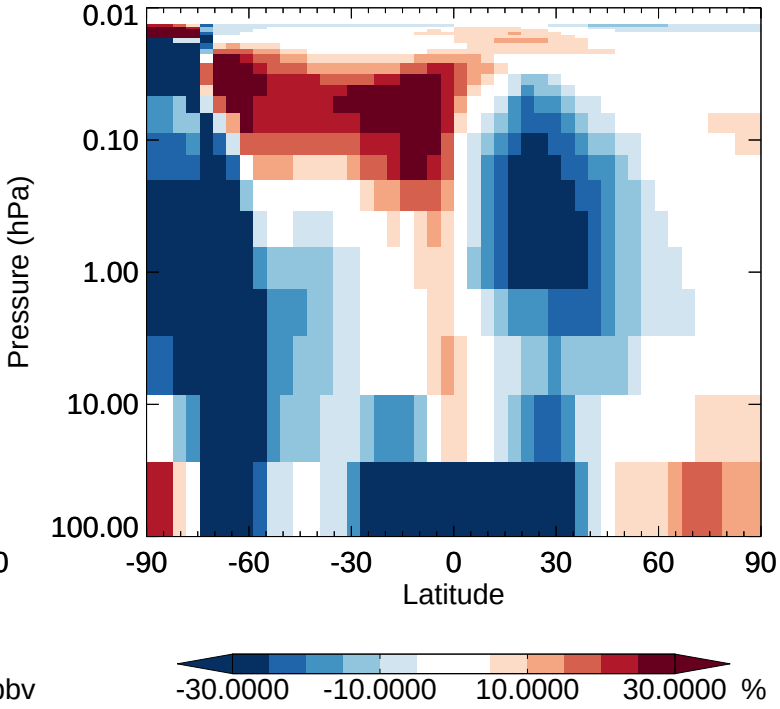
v11-02d - v11-02c

Cl - Strat zonal mean abs diff for Jul



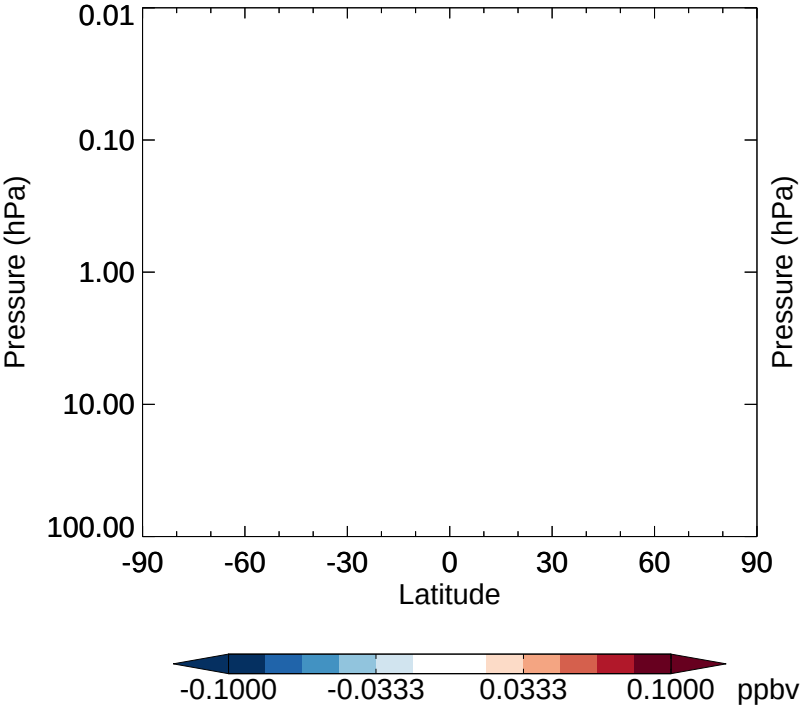
v11-02d / v11-02c

Cl - Strat zonal mean % diff for Jul



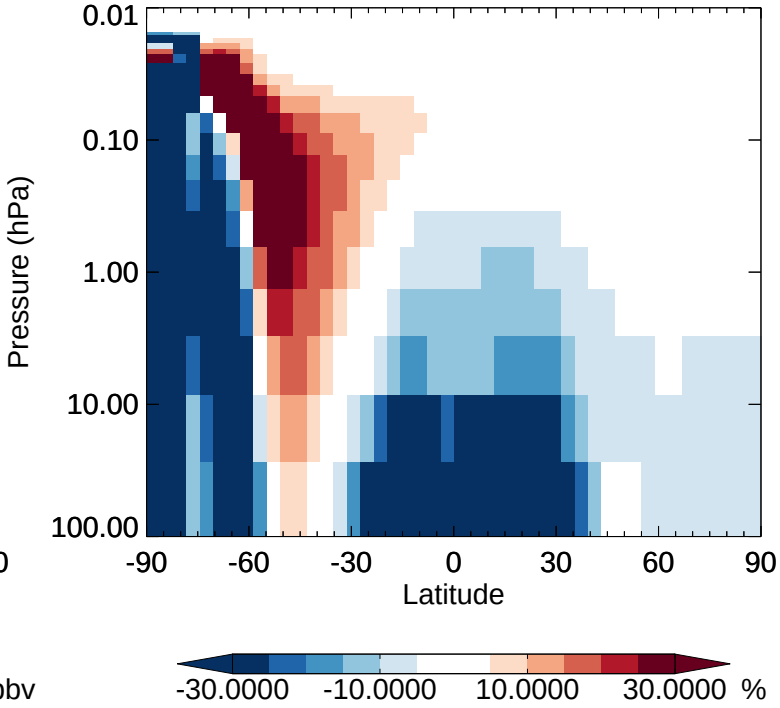
v11-02d - v11-02a

Cl - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

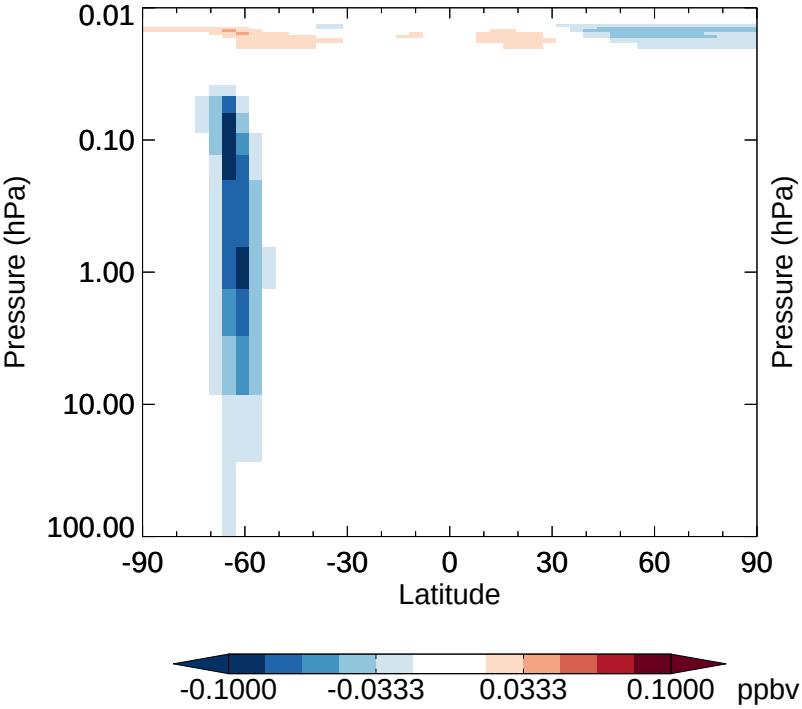
Cl - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

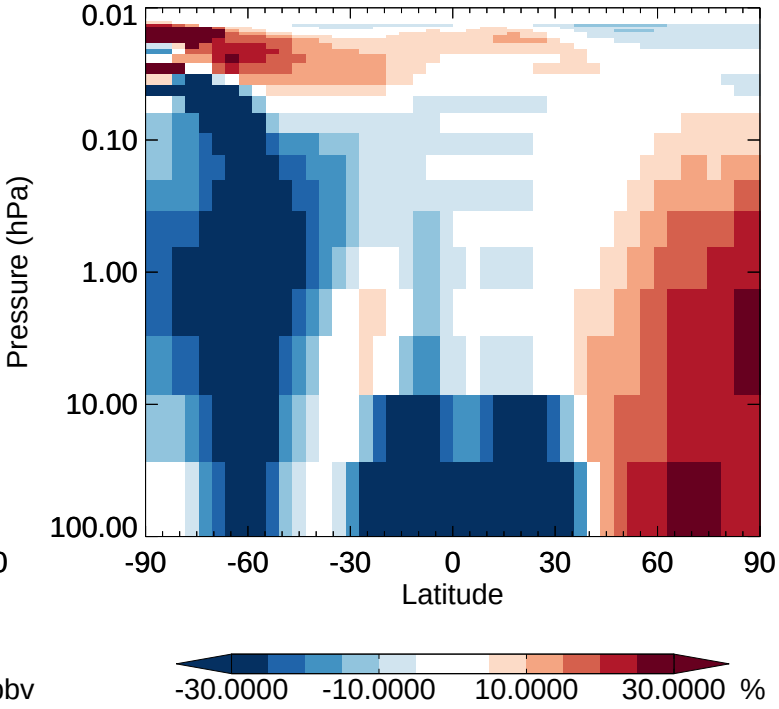
v11-02d - v11-02c

ClO - Strat zonal mean abs diff for Jul



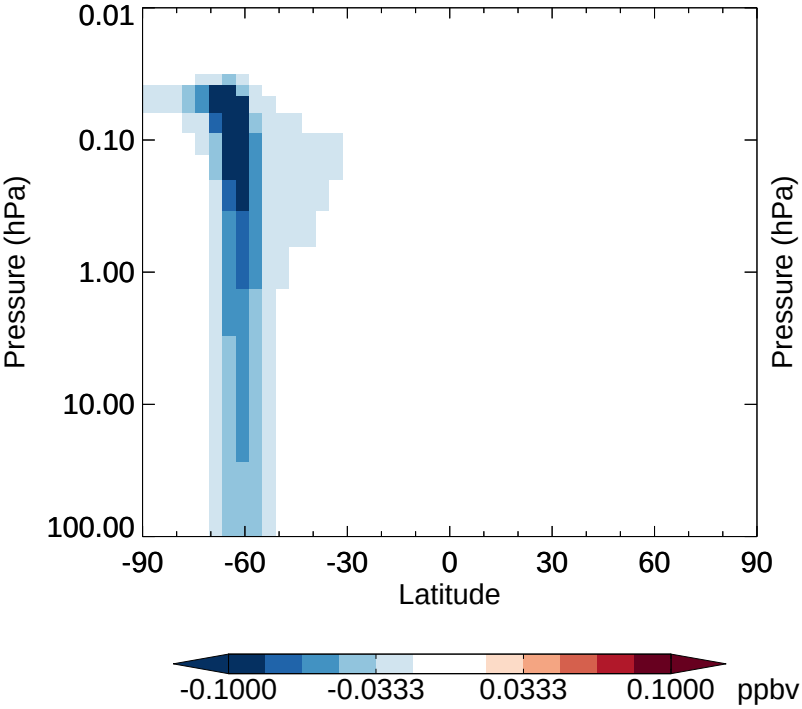
v11-02d / v11-02c

ClO - Strat zonal mean % diff for Jul



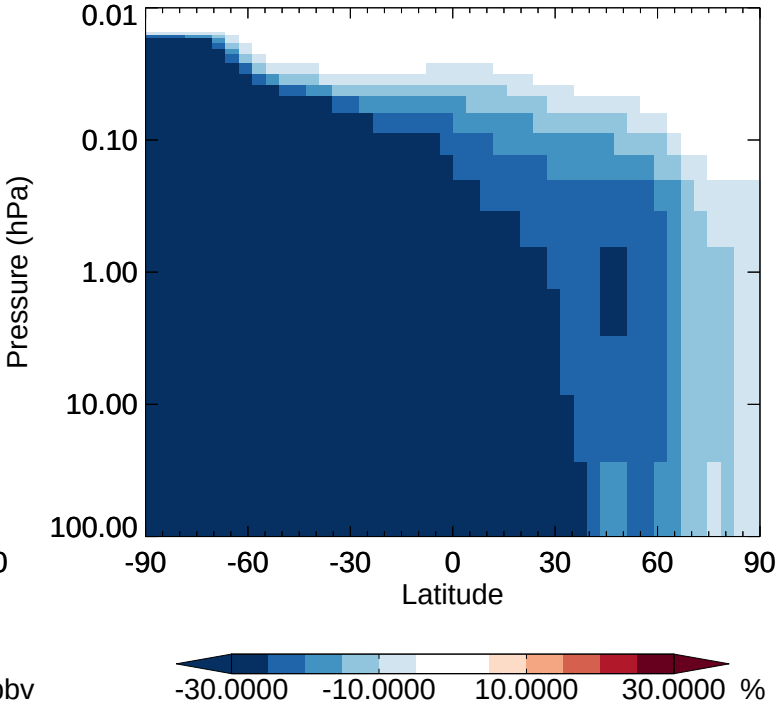
v11-02d - v11-02a

ClO - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

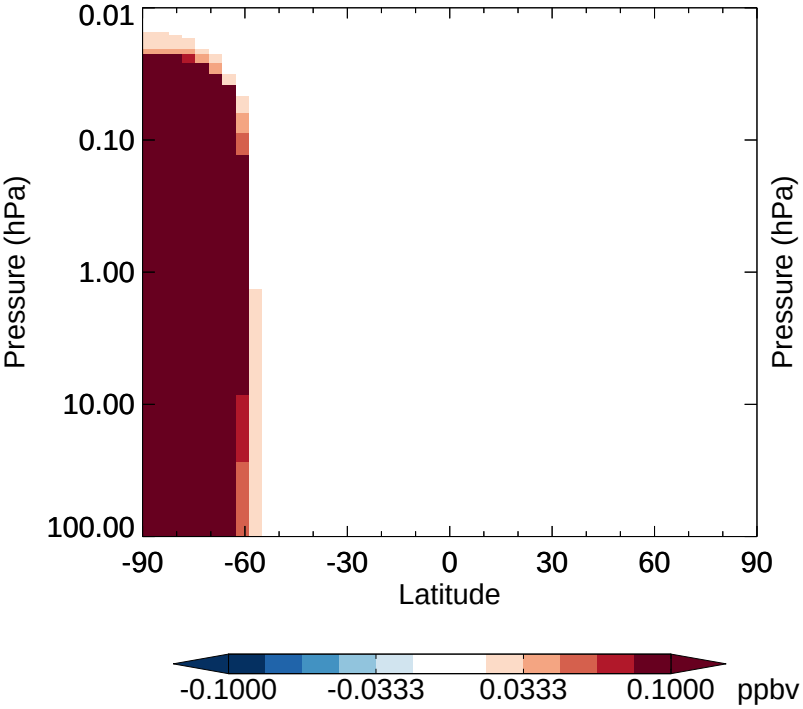
ClO - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

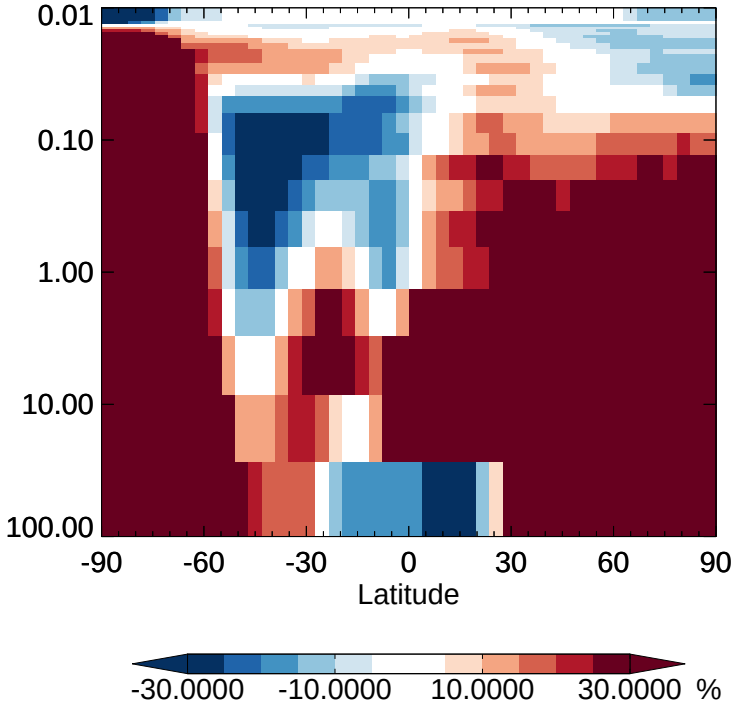
v11-02d - v11-02c

HOCl - Strat zonal mean abs diff for Jul



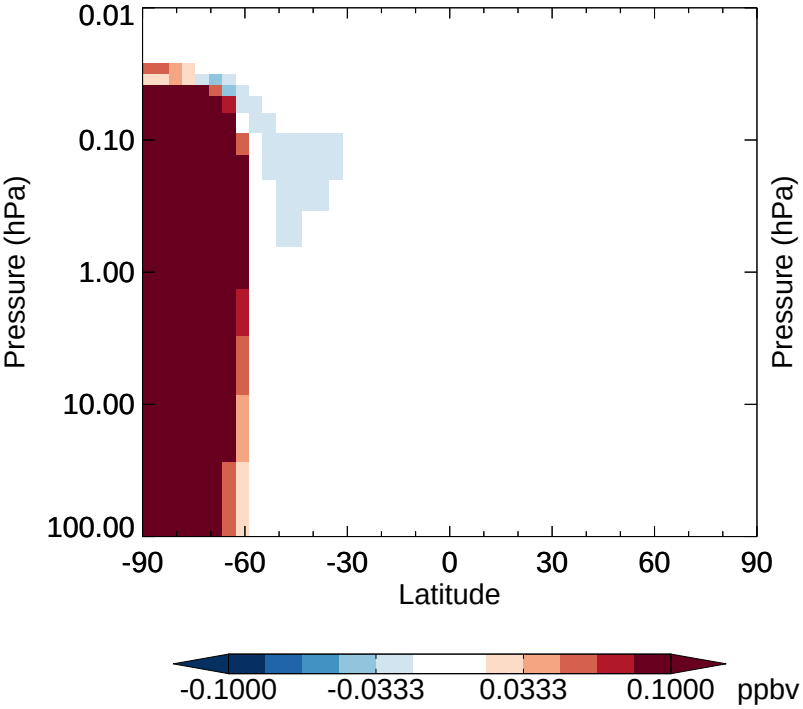
v11-02d / v11-02c

HOCl - Strat zonal mean % diff for Jul



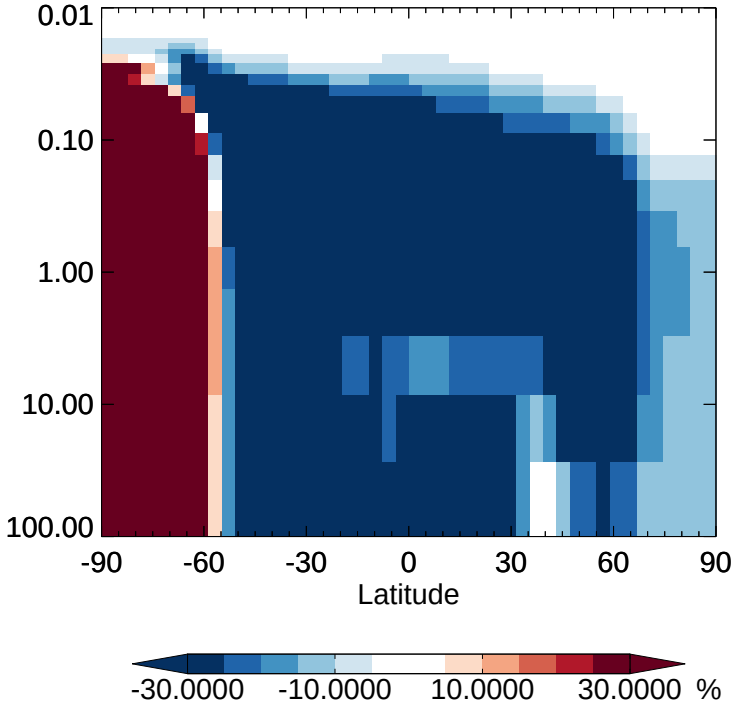
v11-02d - v11-02a

HOCl - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

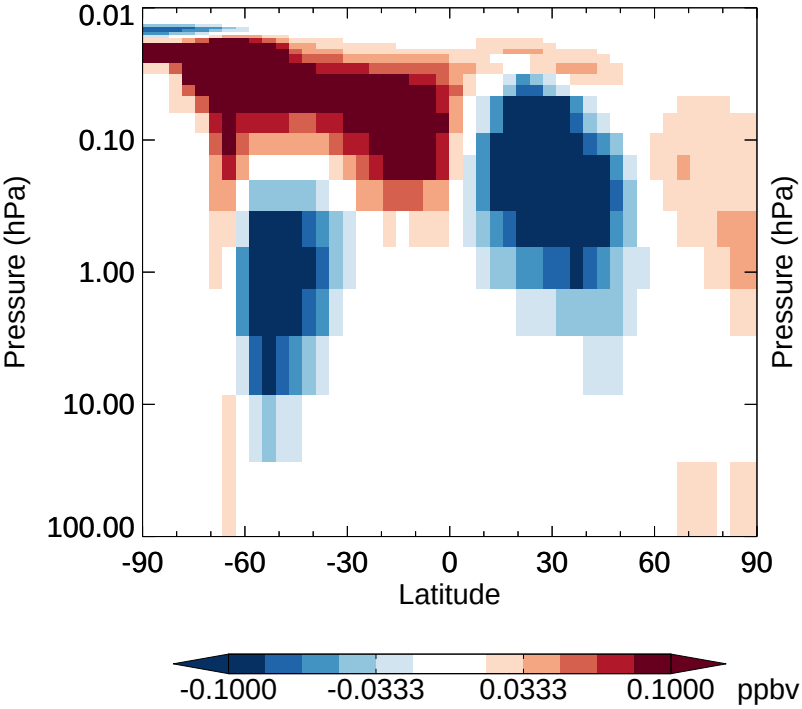
HOCl - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

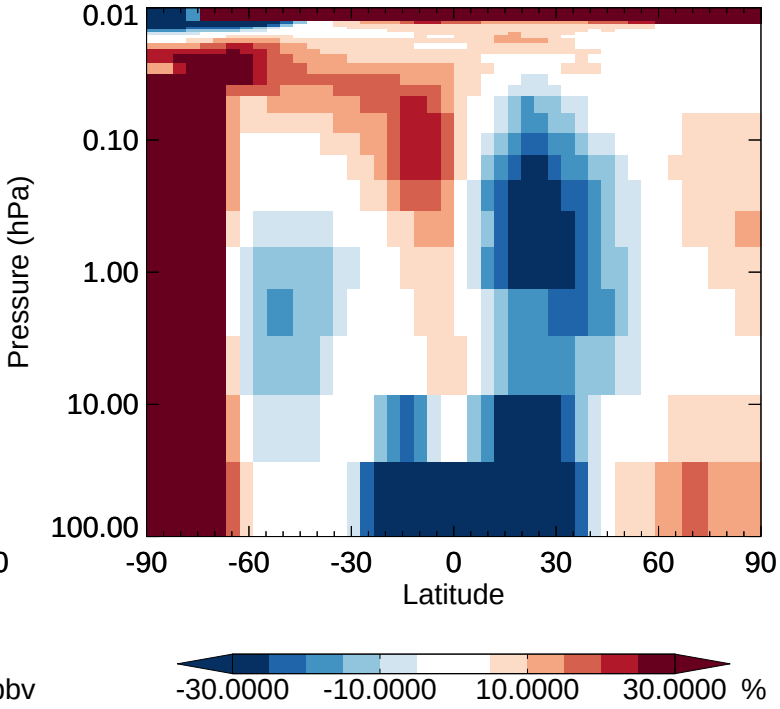
v11-02d - v11-02c

ClNO3 - Strat zonal mean abs diff for Jul



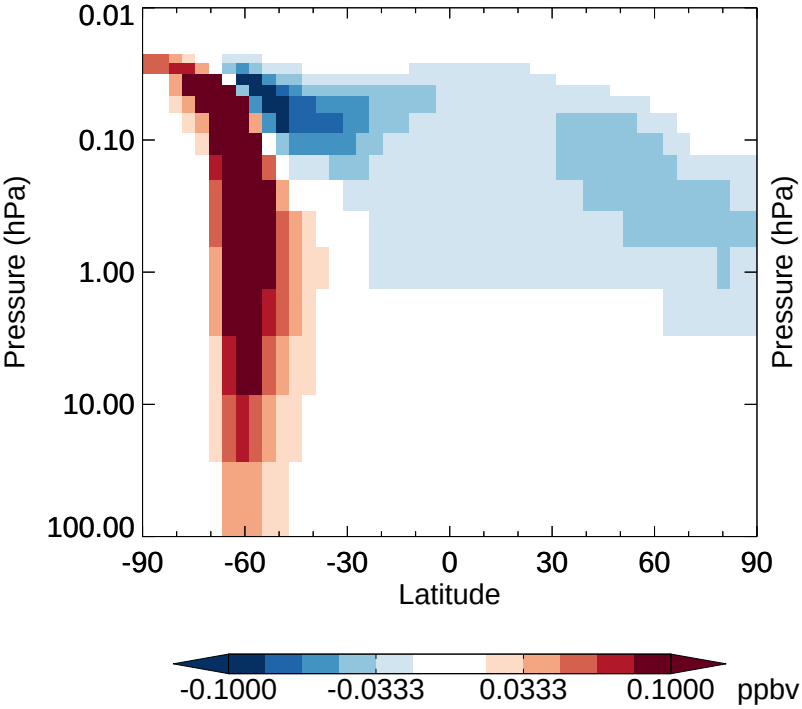
v11-02d / v11-02c

ClNO3 - Strat zonal mean % diff for Jul



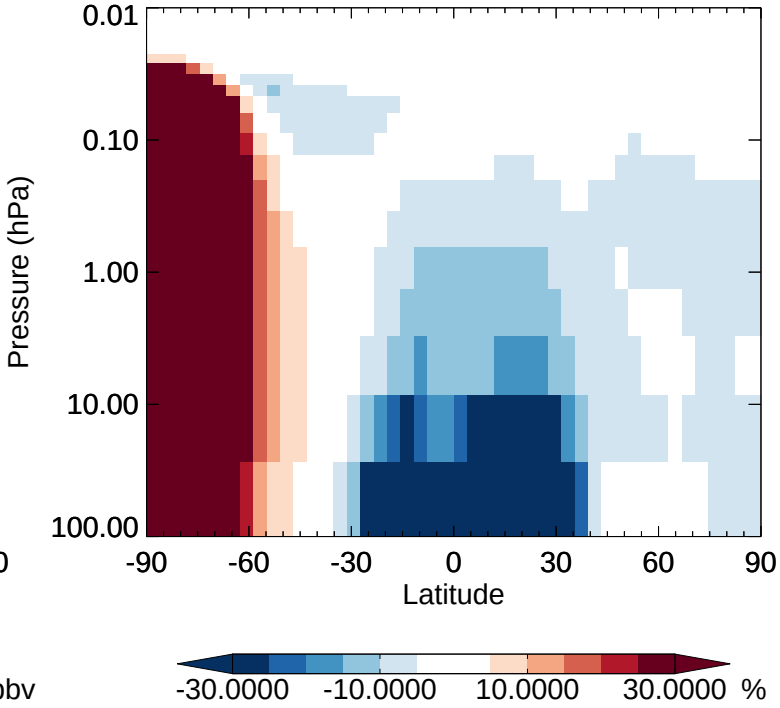
v11-02d - v11-02a

ClNO3 - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

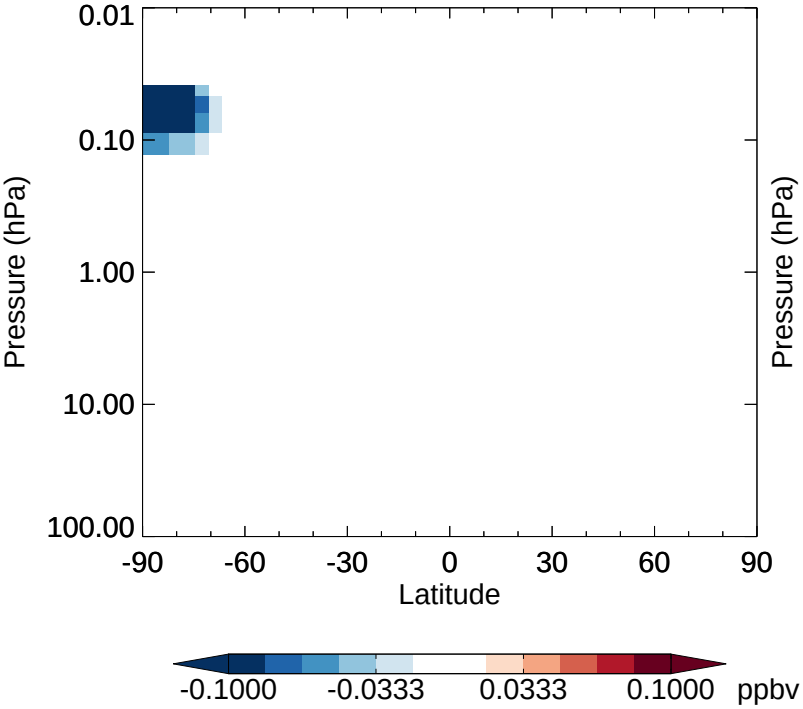
ClNO3 - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

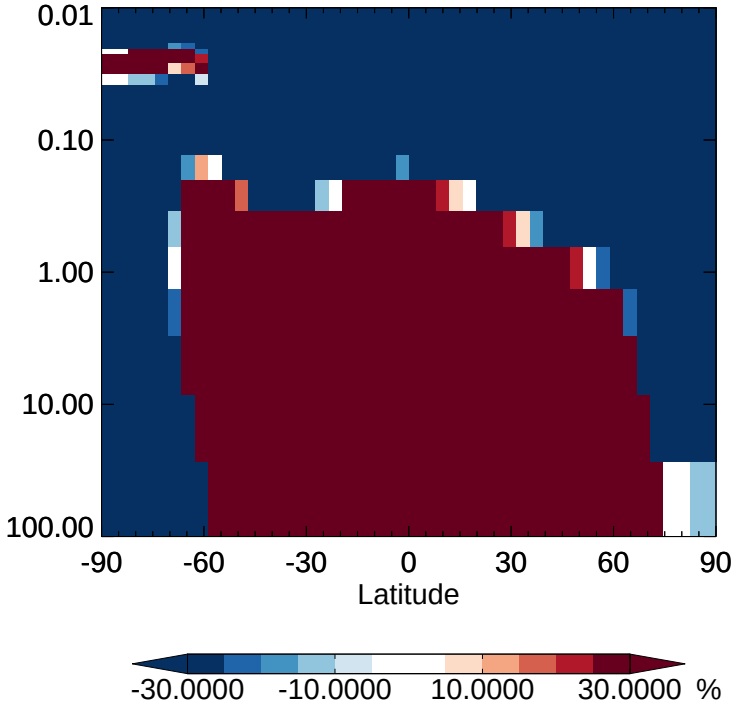
v11-02d - v11-02c

ClNO2 - Strat zonal mean abs diff for Jul



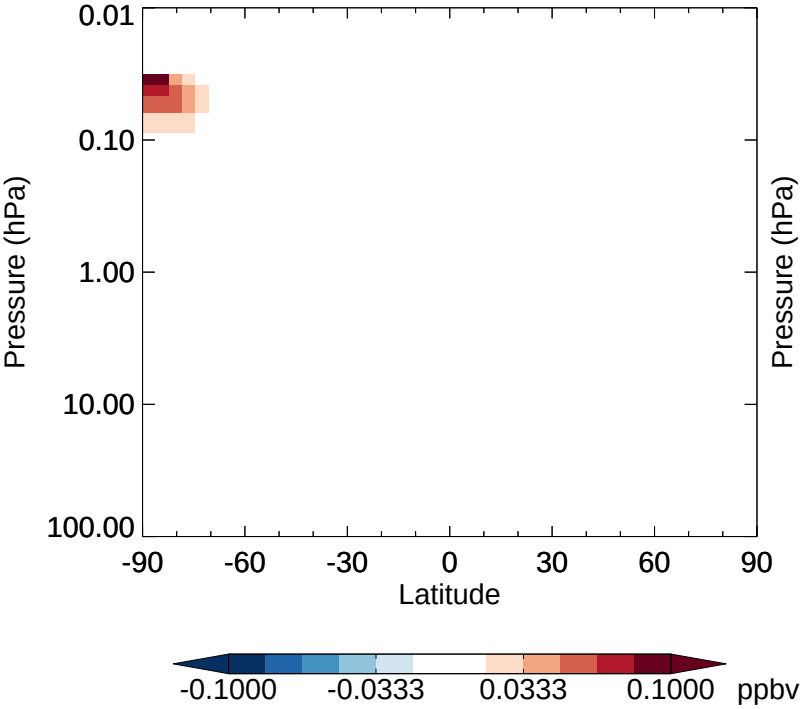
v11-02d / v11-02c

ClNO2 - Strat zonal mean % diff for Jul



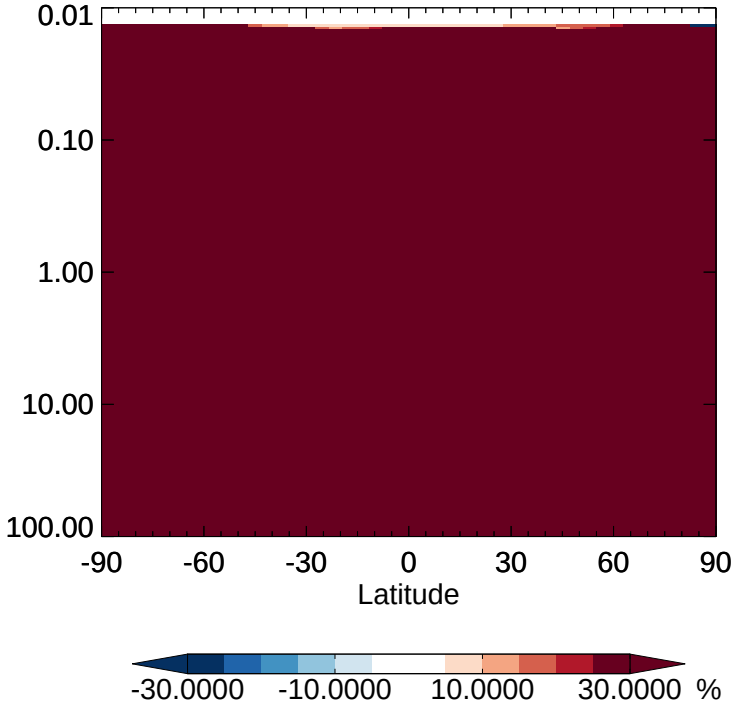
v11-02d - v11-02a

ClNO2 - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

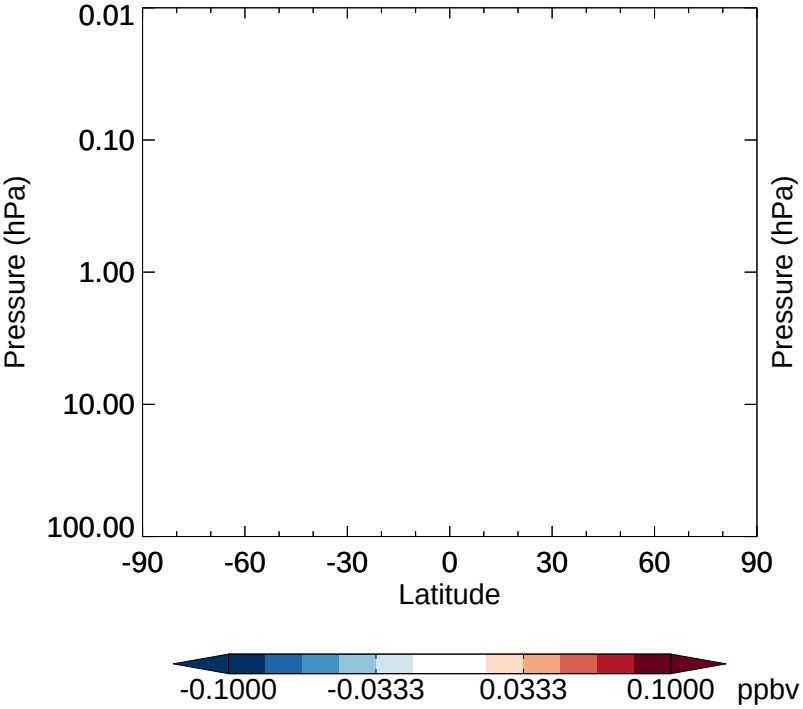
ClNO2 - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

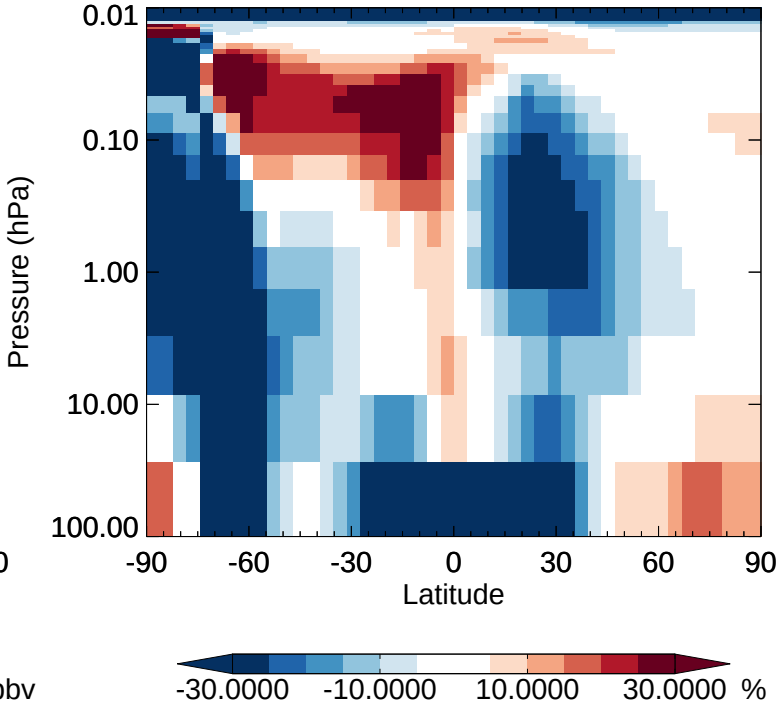
v11-02d - v11-02c

ClOO - Strat zonal mean abs diff for Jul



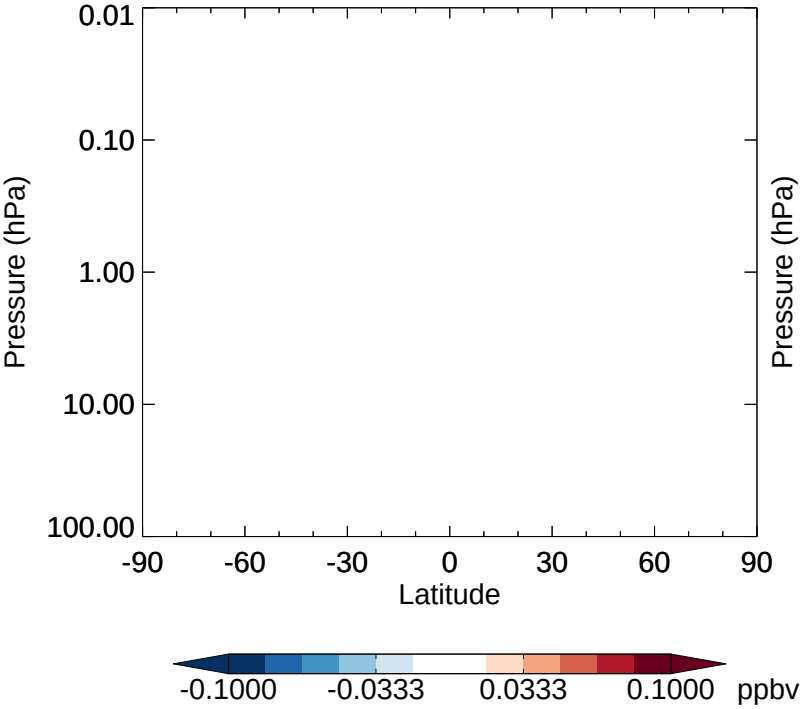
v11-02d / v11-02c

ClOO - Strat zonal mean % diff for Jul



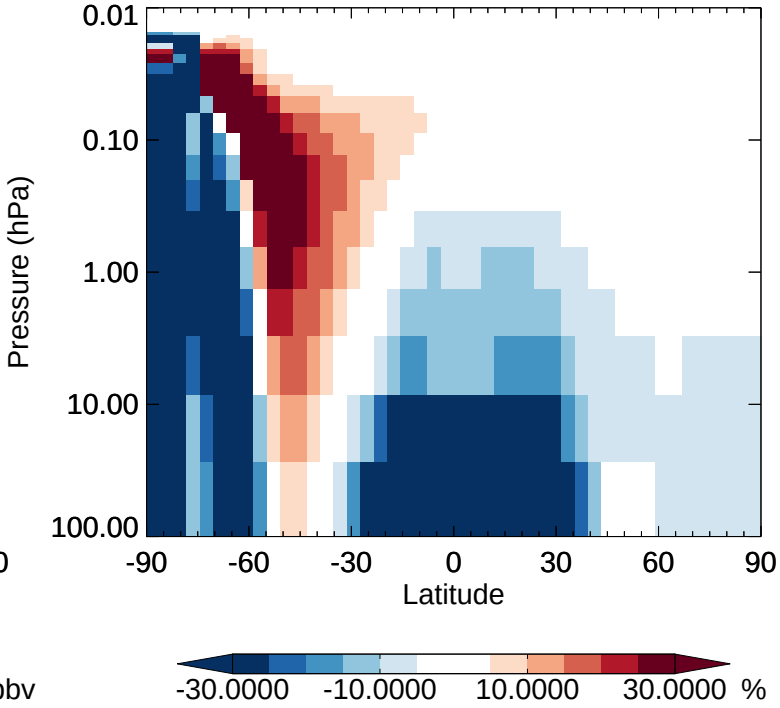
v11-02d - v11-02a

ClOO - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

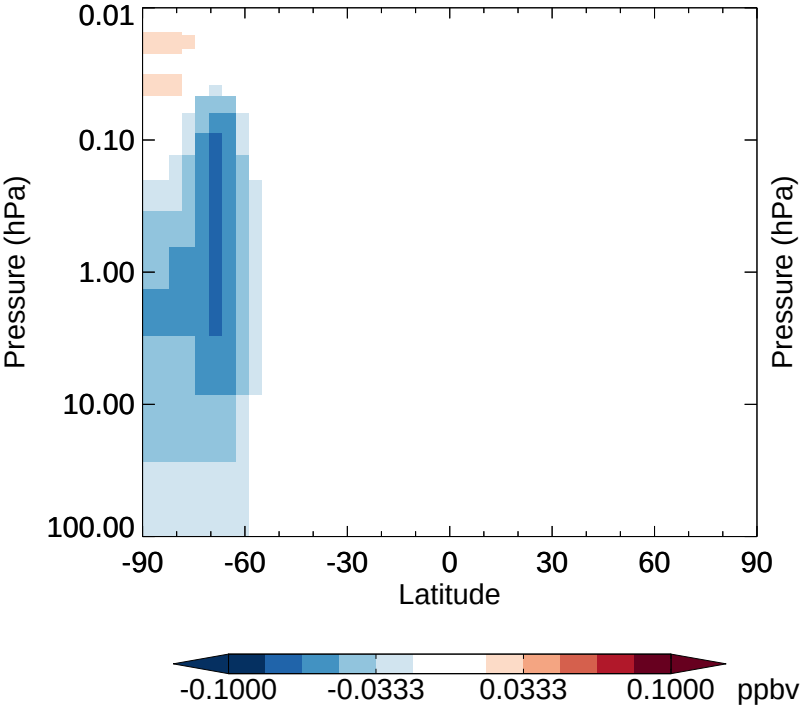
ClOO - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

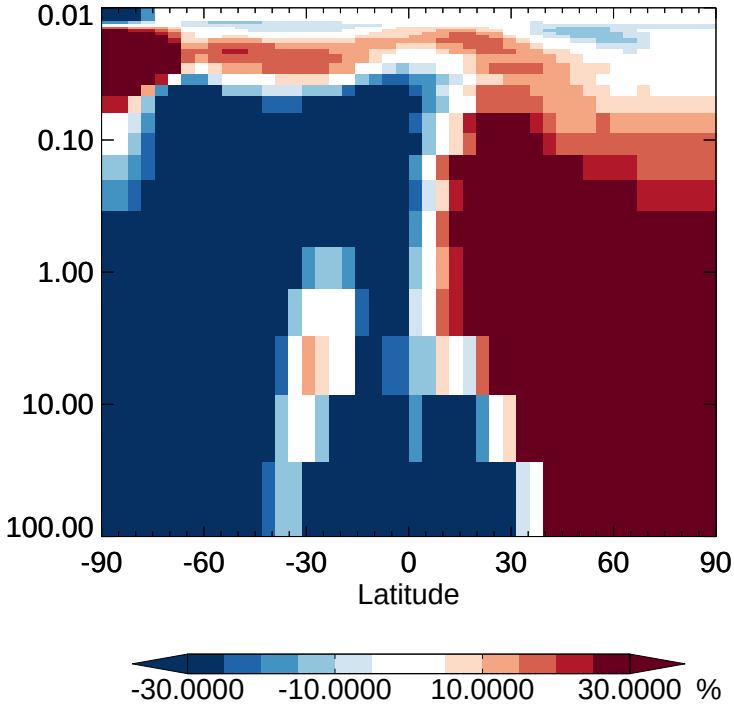
v11-02d - v11-02c

OClO - Strat zonal mean abs diff for Jul



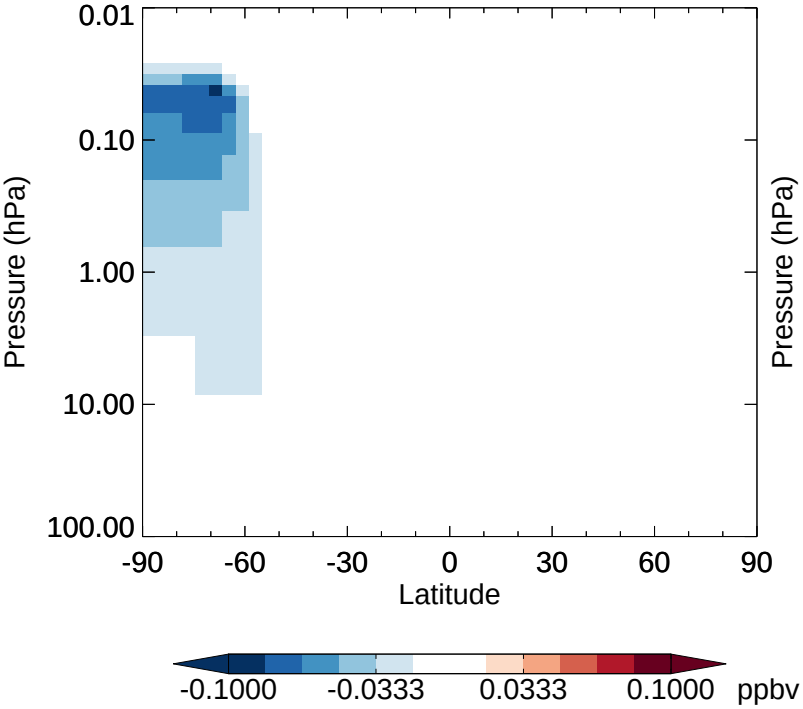
v11-02d / v11-02c

OClO - Strat zonal mean % diff for Jul



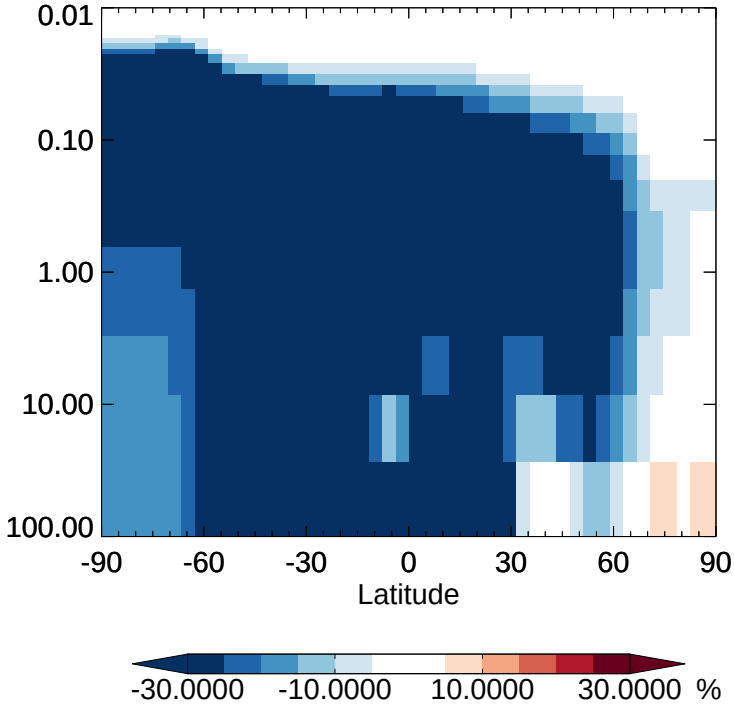
v11-02d - v11-02a

OClO - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

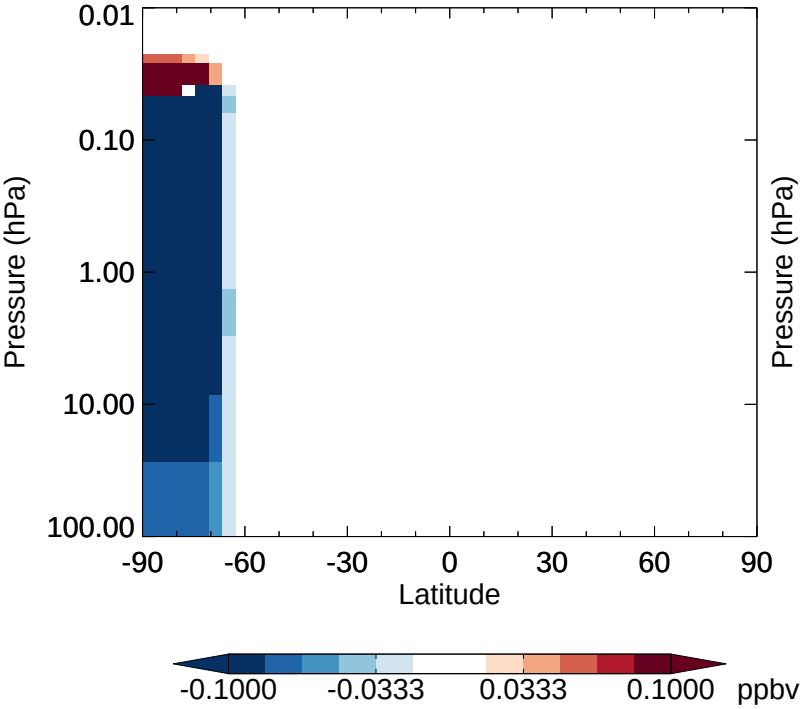
OClO - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

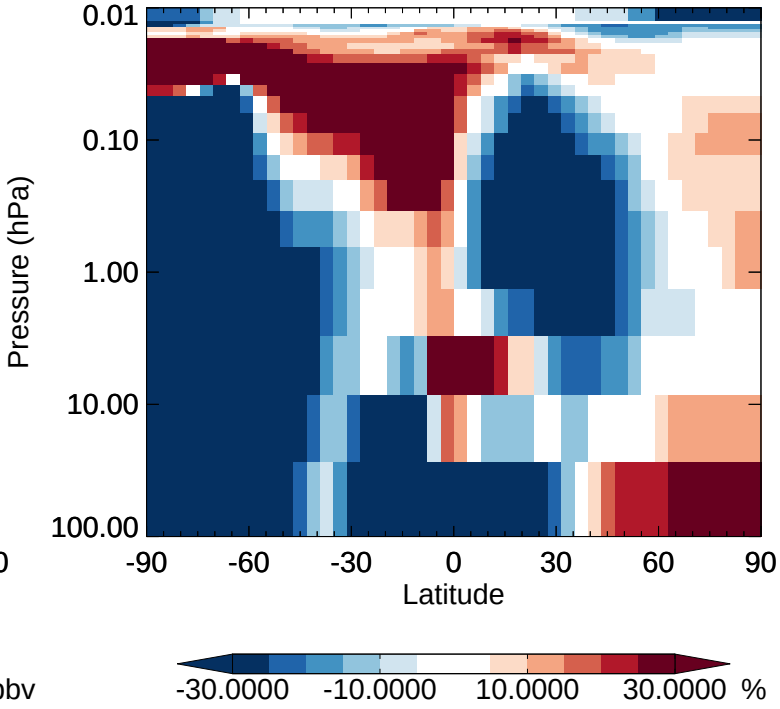
v11-02d - v11-02c

Cl2 - Strat zonal mean abs diff for Jul



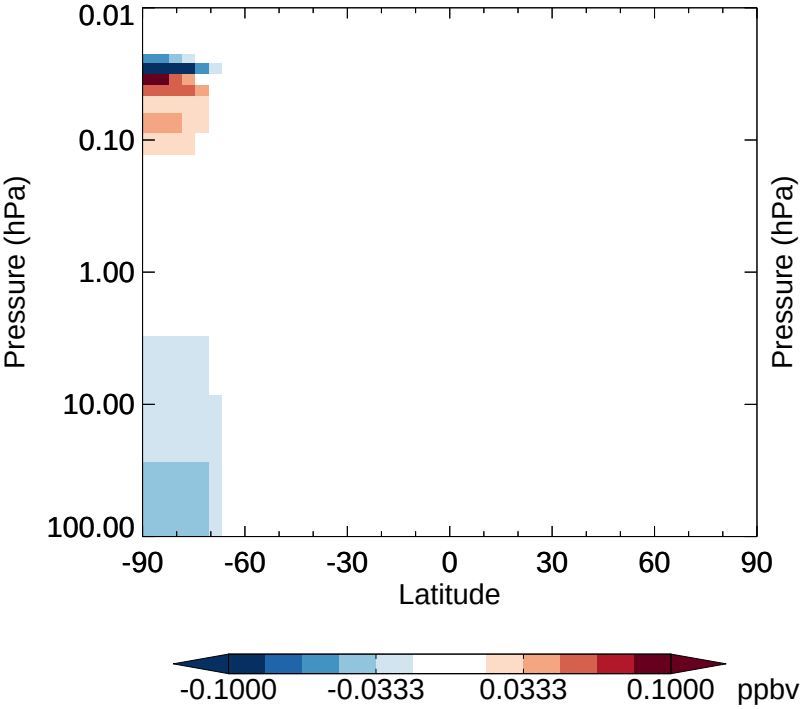
v11-02d / v11-02c

Cl2 - Strat zonal mean % diff for Jul



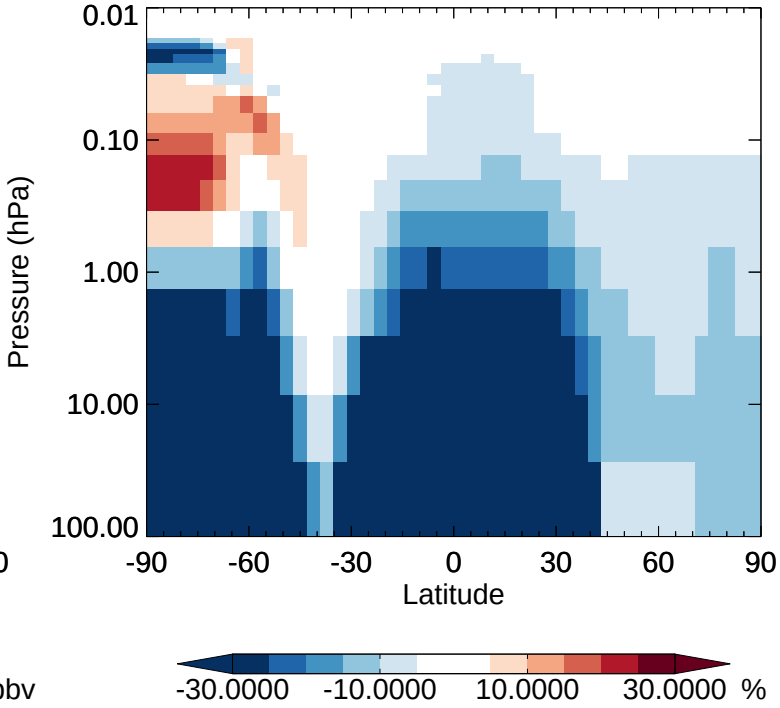
v11-02d - v11-02a

Cl2 - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

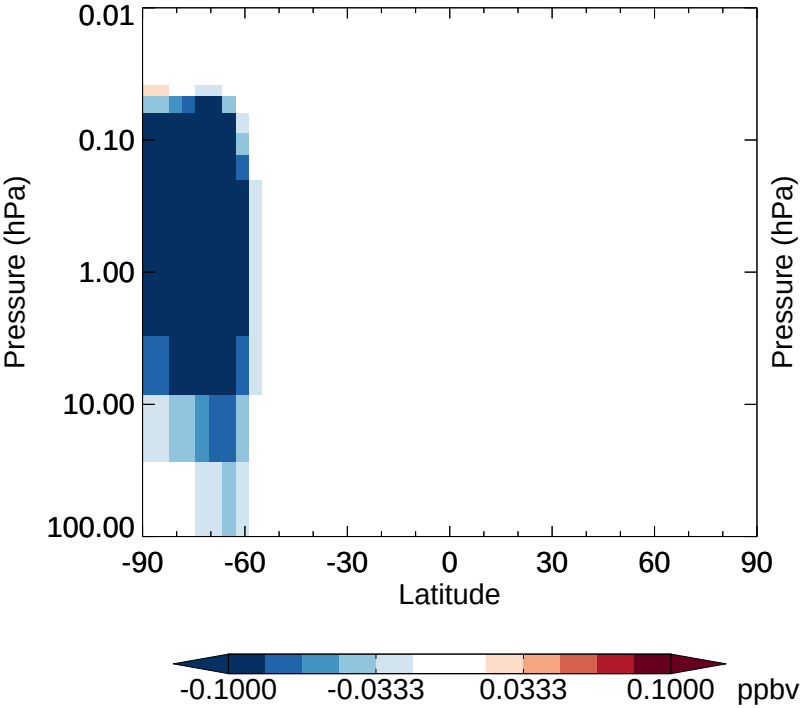
Cl2 - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

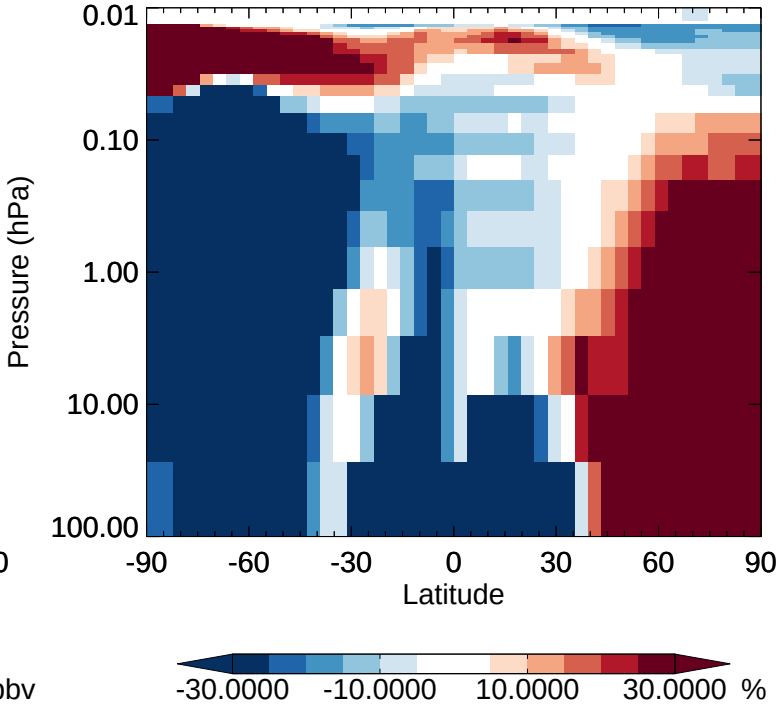
v11-02d - v11-02c

Cl2O2 - Strat zonal mean abs diff for Jul



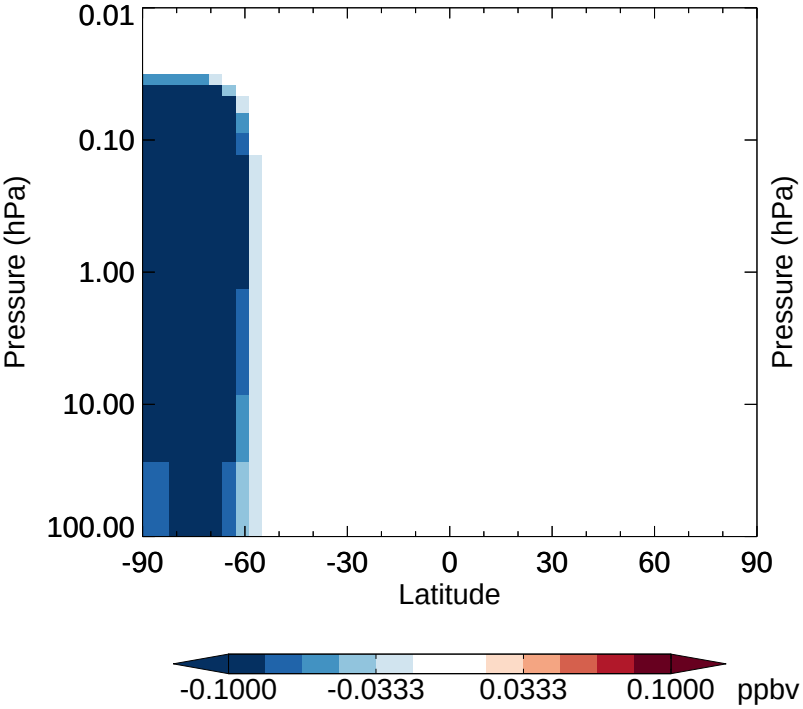
v11-02d / v11-02c

Cl2O2 - Strat zonal mean % diff for Jul



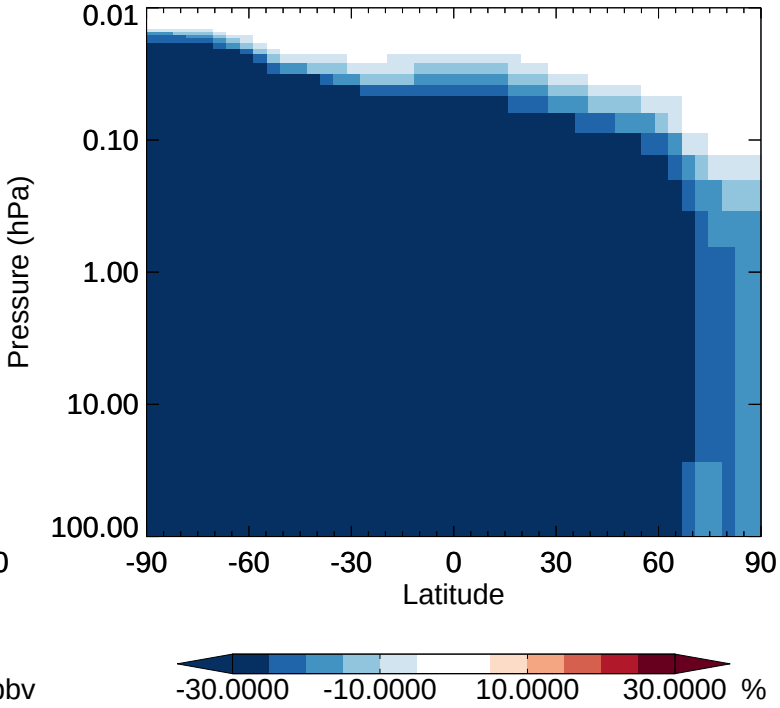
v11-02d - v11-02a

Cl2O2 - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

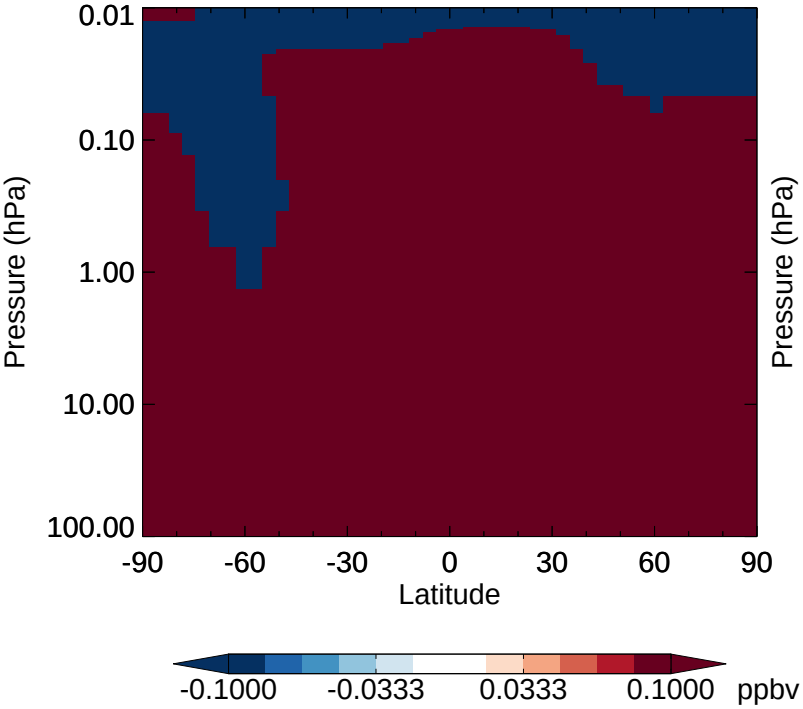
Cl2O2 - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

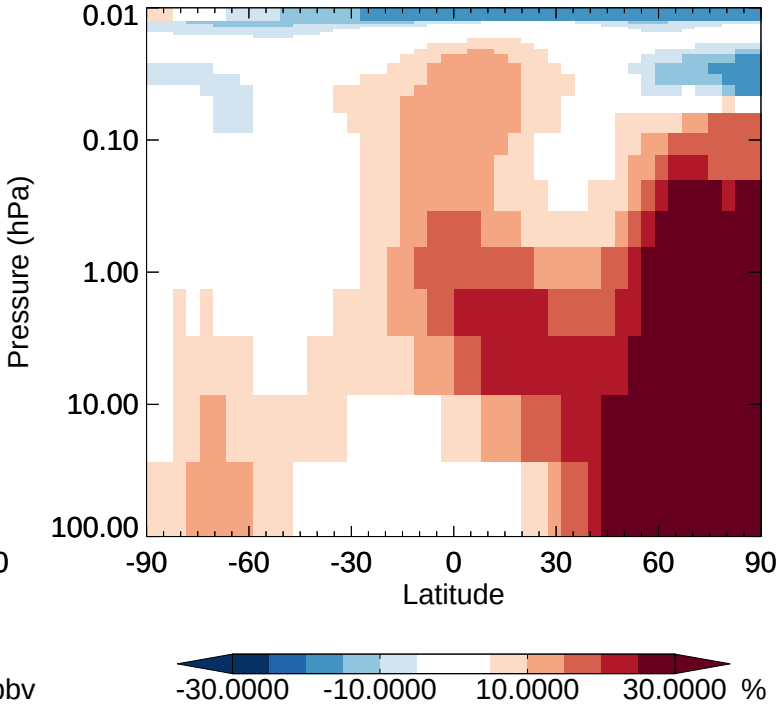
v11-02d - v11-02c

H2O - Strat zonal mean abs diff for Jul



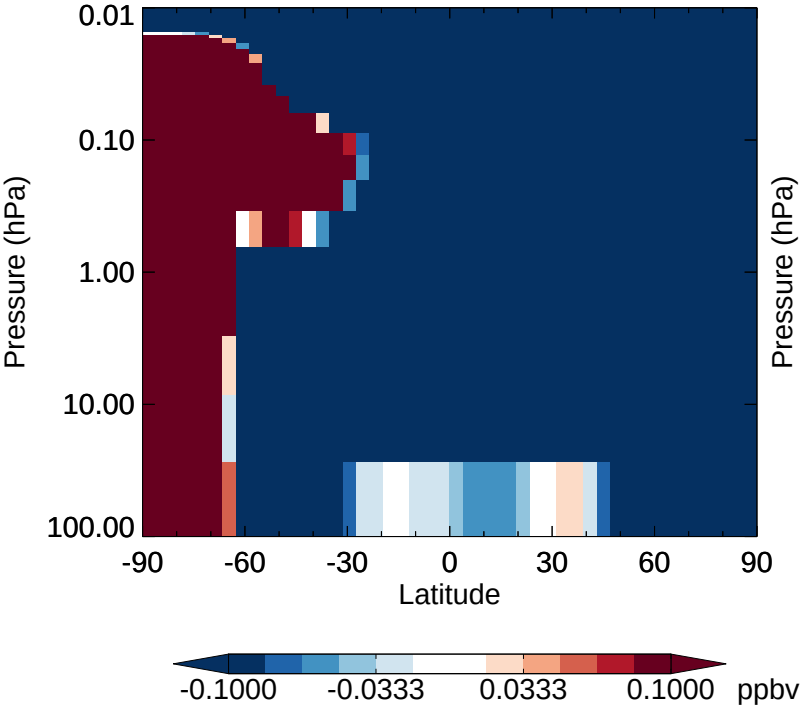
v11-02d / v11-02c

H2O - Strat zonal mean % diff for Jul



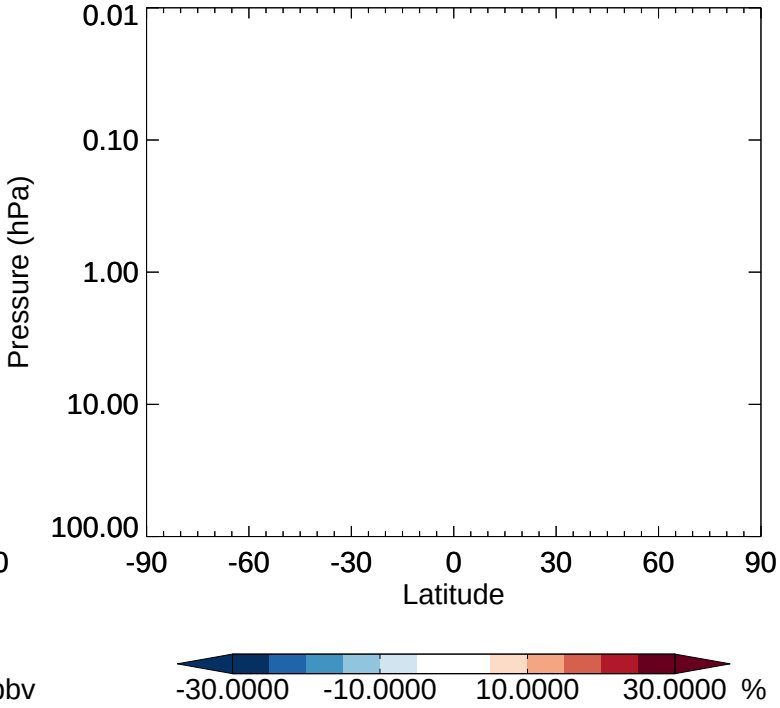
v11-02d - v11-02a

H2O - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

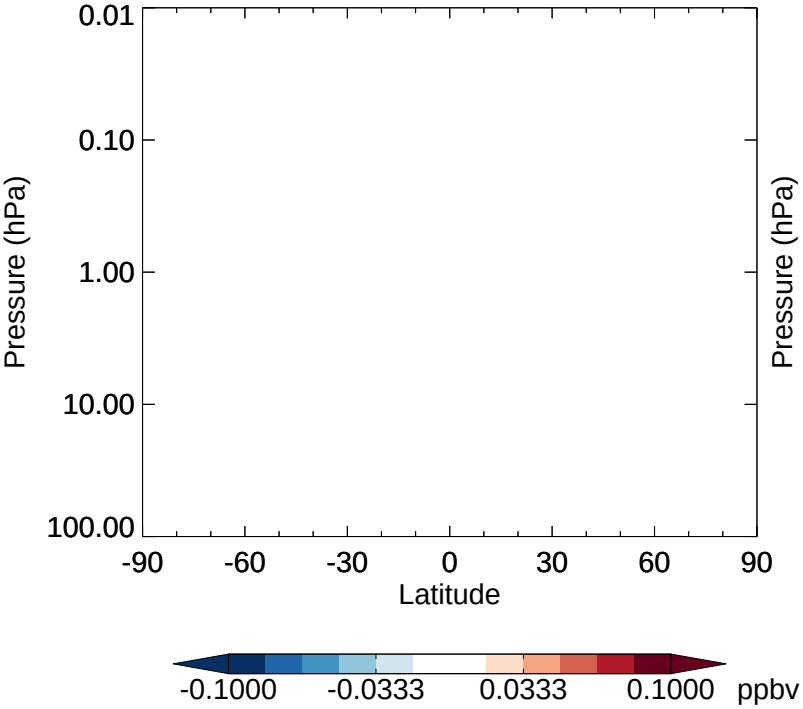
H2O - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

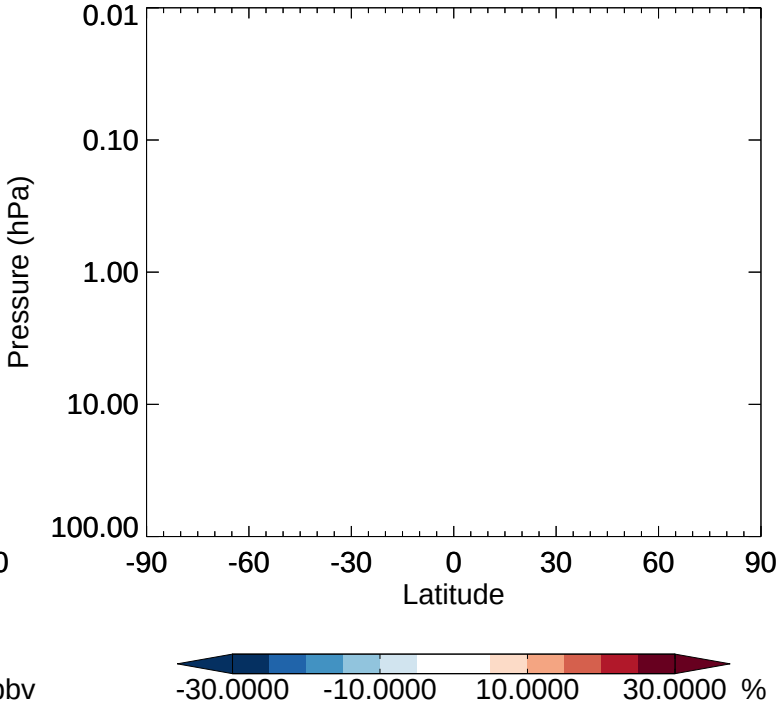
v11-02d - v11-02c

SOAP - Strat zonal mean abs diff for Jul



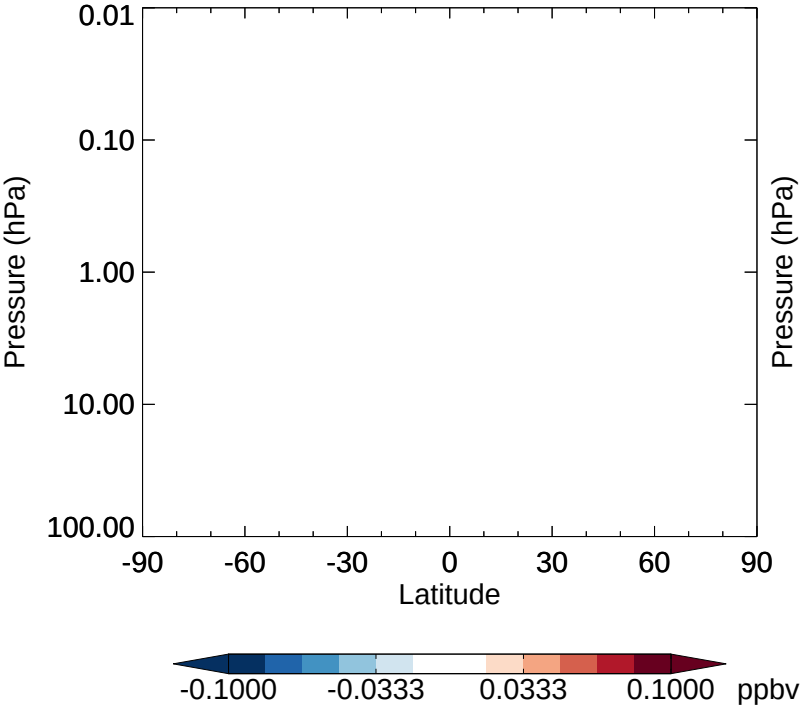
v11-02d / v11-02c

SOAP - Strat zonal mean % diff for Jul



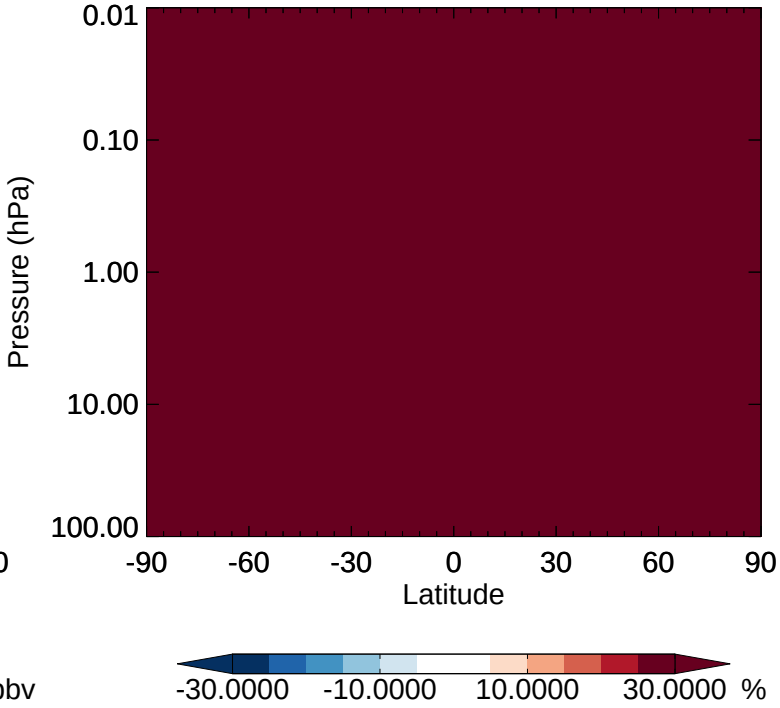
v11-02d - v11-02a

SOAP - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

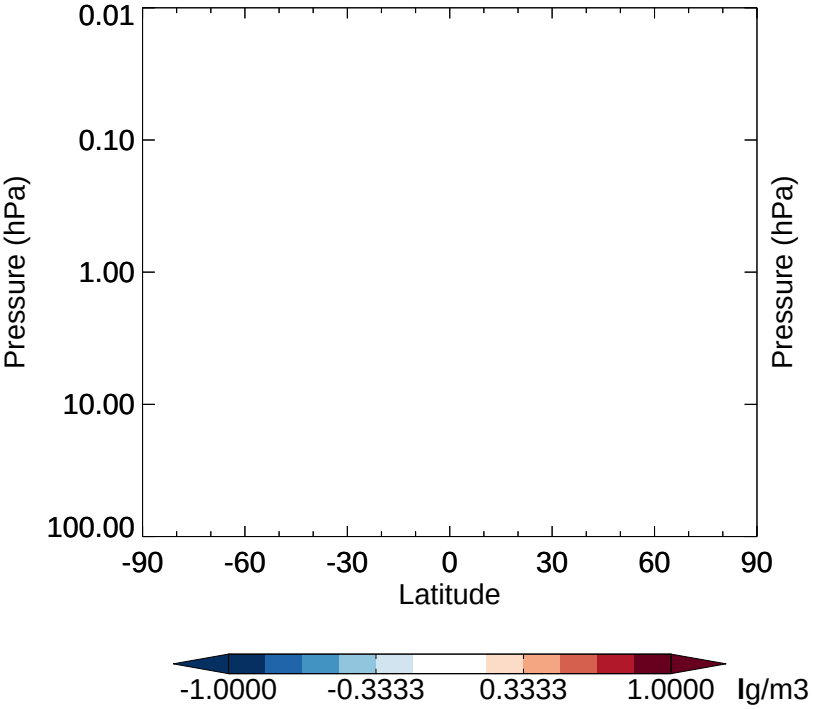
SOAP - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

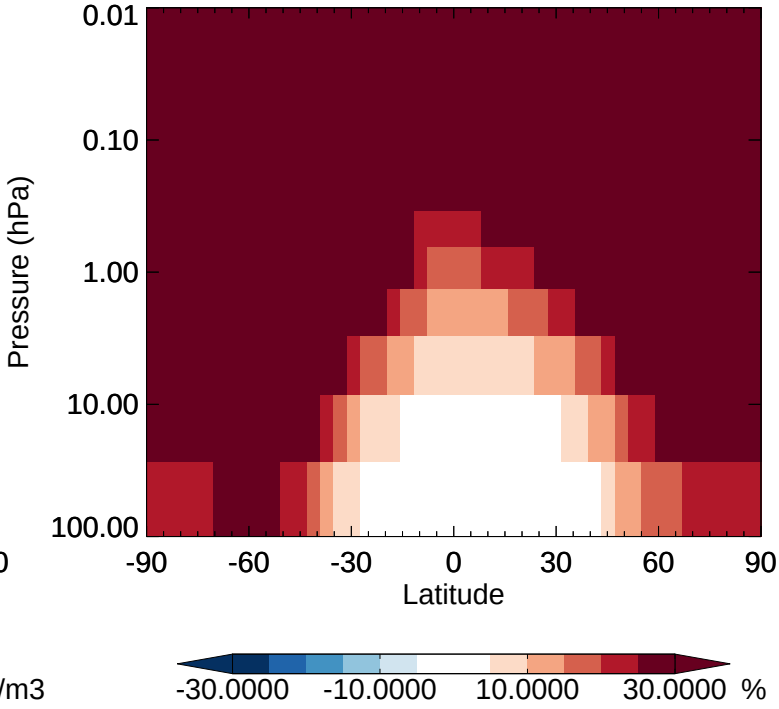
v11-02d - v11-02c

SOAS - Strat zonal mean abs diff for Jul



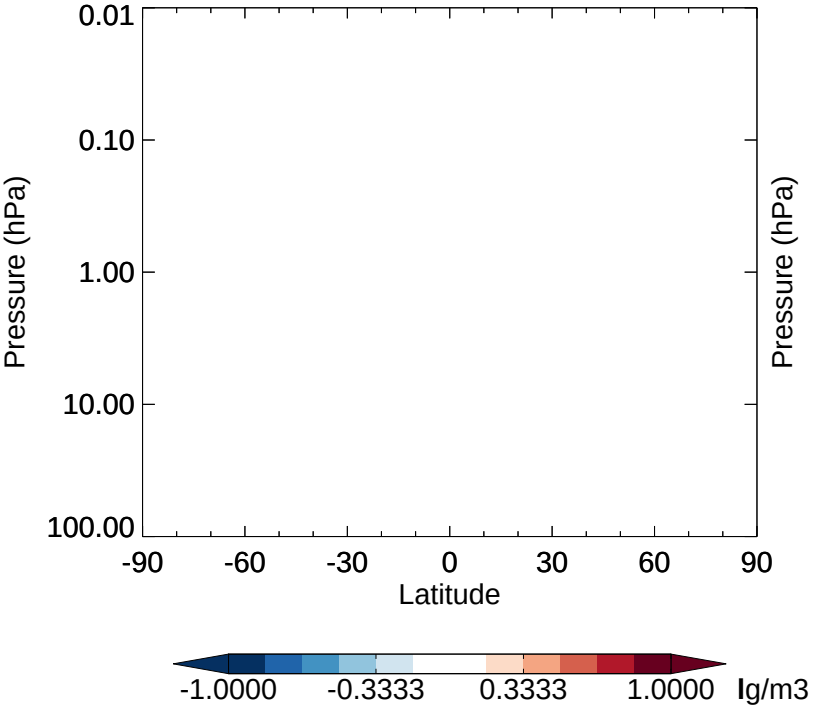
v11-02d / v11-02c

SOAS - Strat zonal mean % diff for Jul



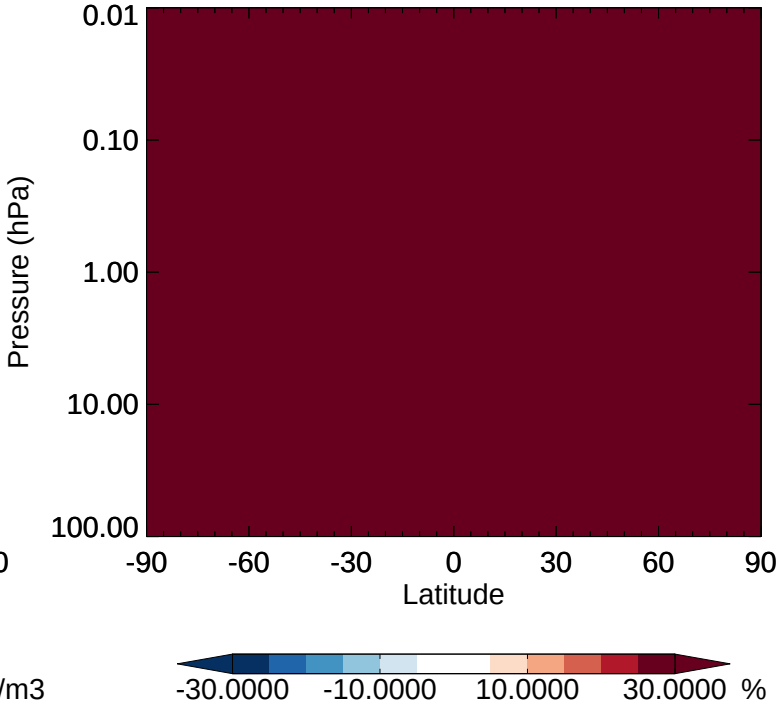
v11-02d - v11-02a

SOAS - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

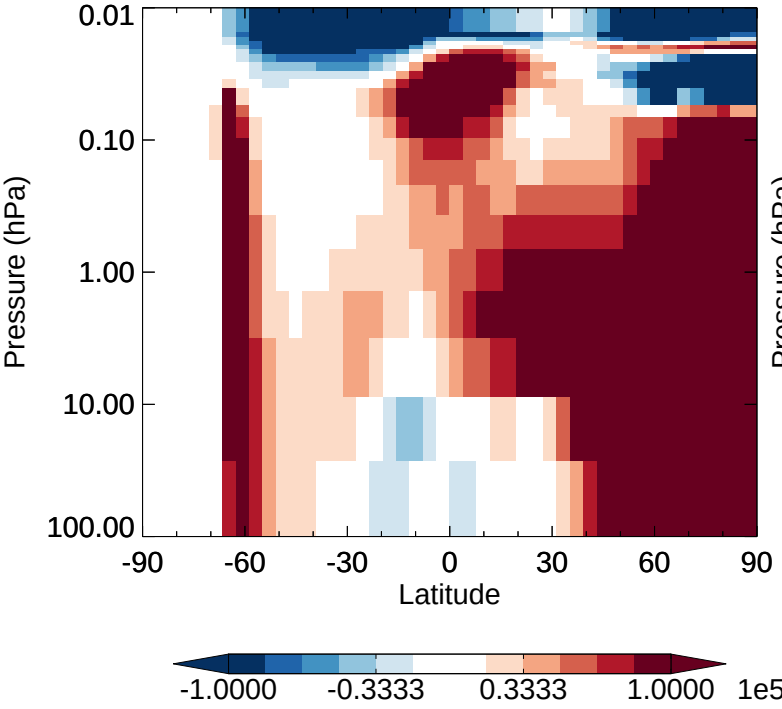
SOAS - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

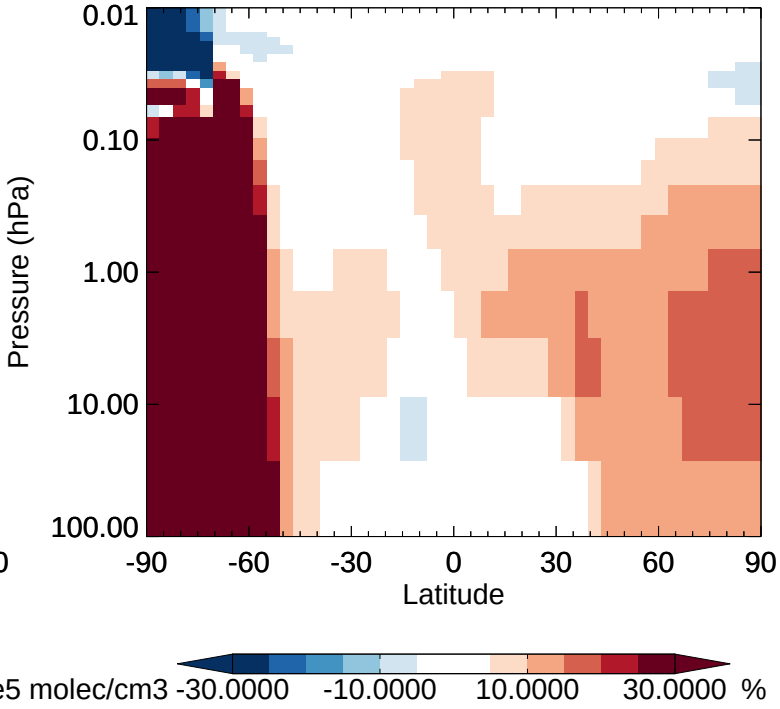
v11-02d - v11-02c

OH - Strat zonal mean abs diff for Jul



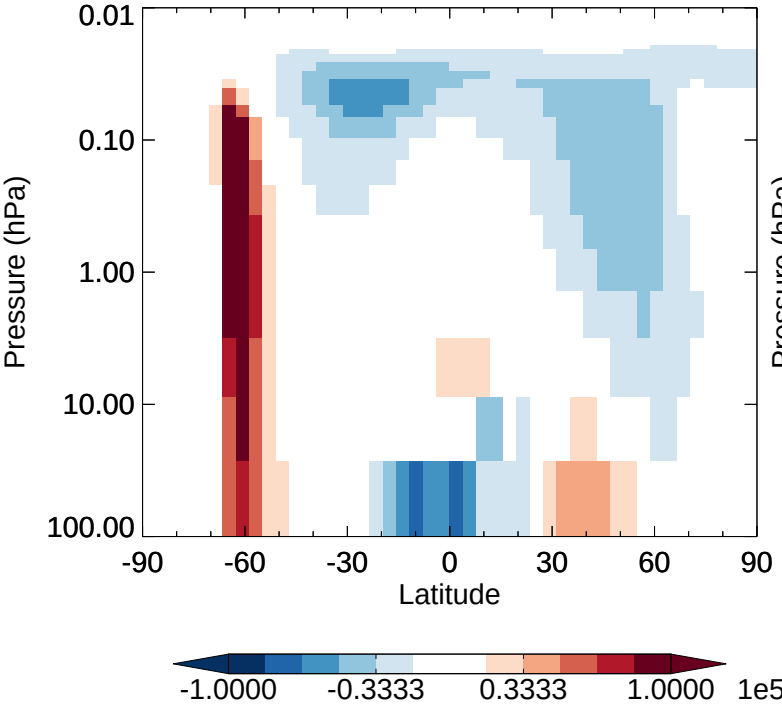
v11-02d / v11-02c

OH - Strat zonal mean % diff for Jul



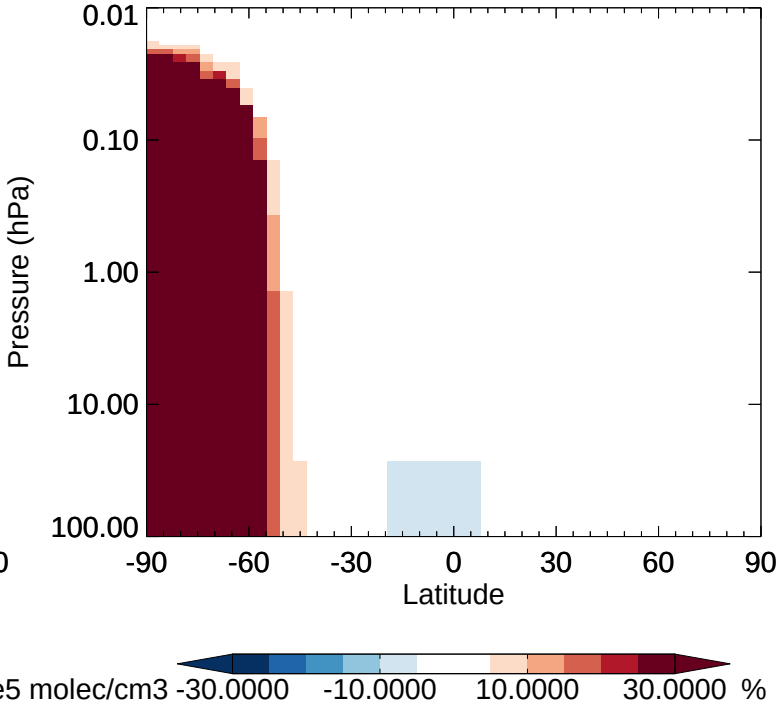
v11-02d - v11-02a

OH - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

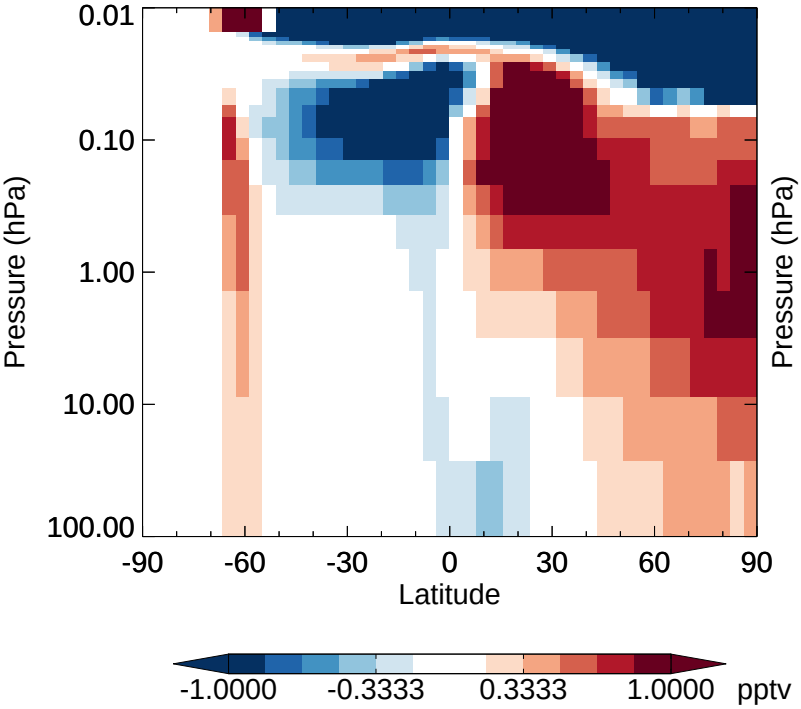
OH - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

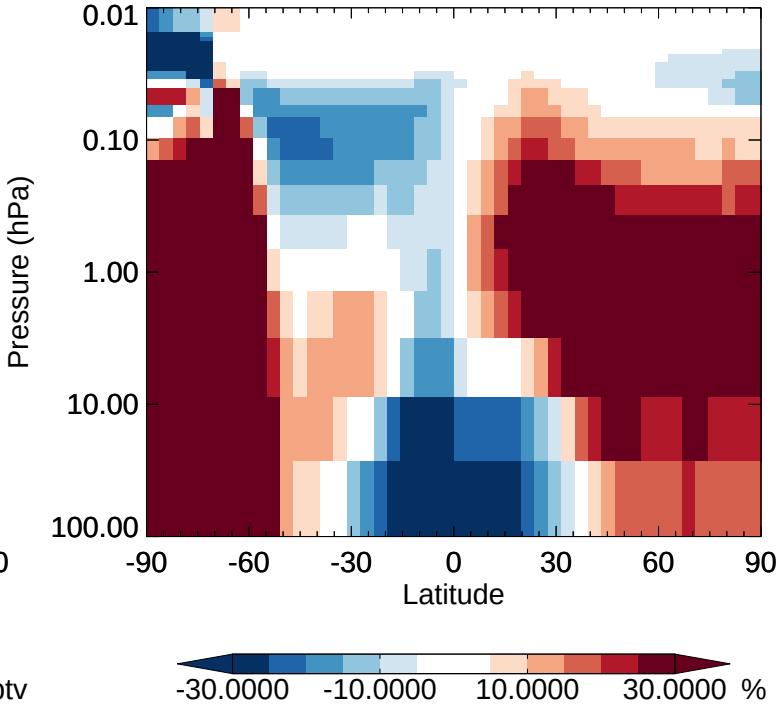
v11-02d - v11-02c

HO2 - Strat zonal mean abs diff for Jul



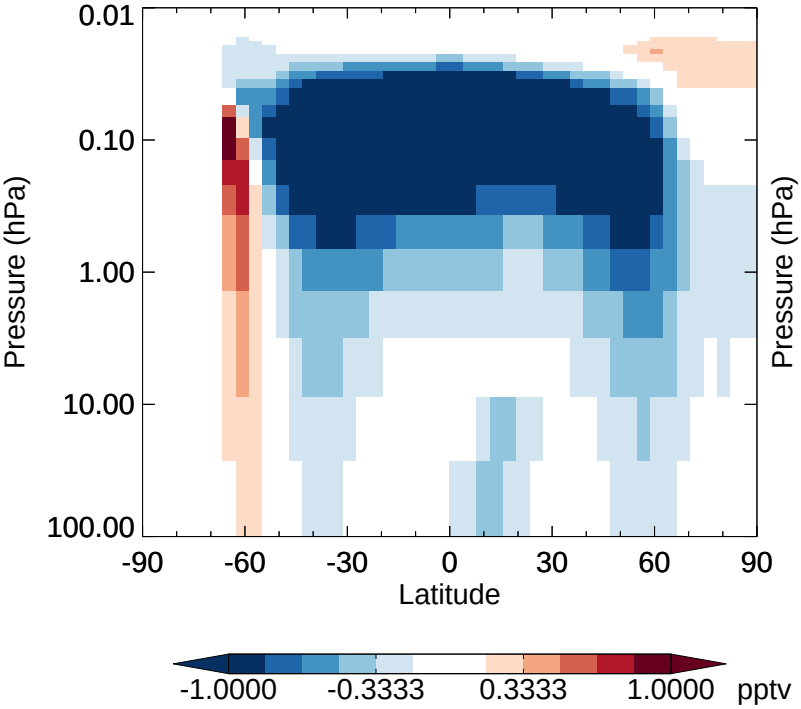
v11-02d / v11-02c

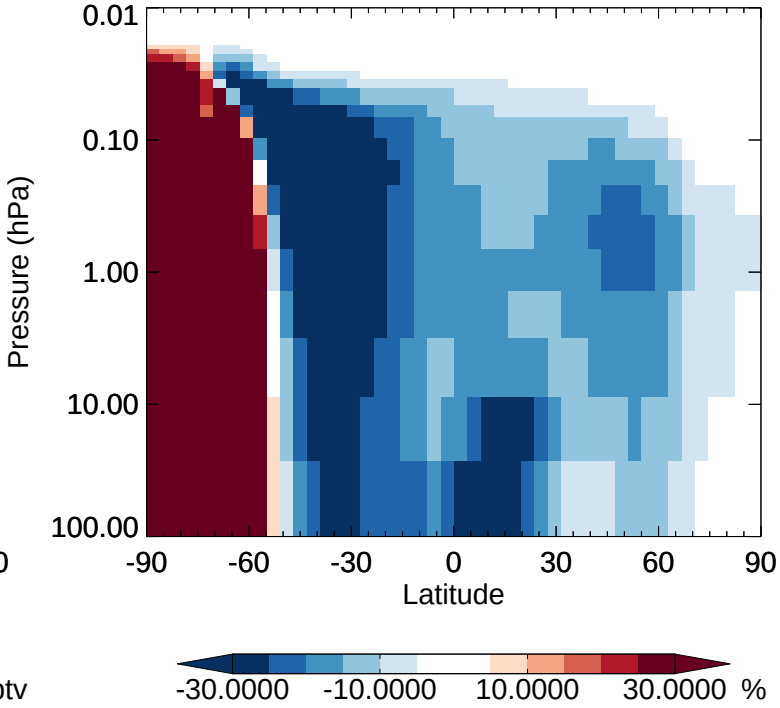
HO2 - Strat zonal mean % diff for Jul



v11-02d - v11-02a

HO2 - Strat zonal mean abs diff for Jul



v11-02d / v11-02a

HO2 - Strat zonal mean % diff for Jul