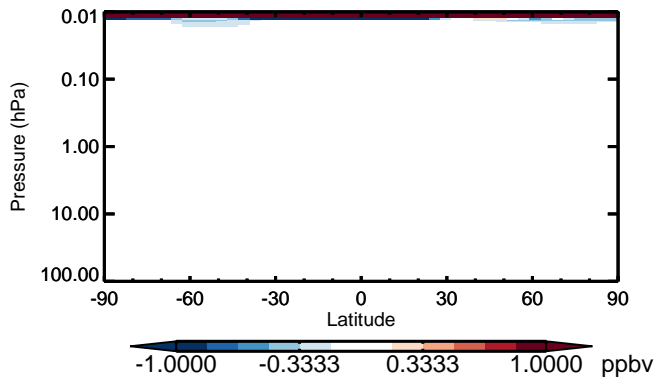


GEOS-Chem Stratospheric Zonal Difference Maps

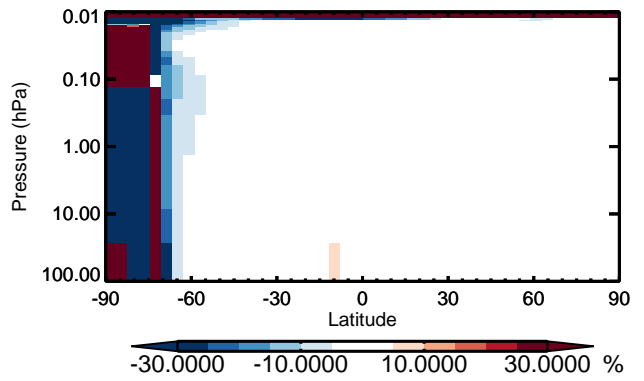
v11-01 - v10-01

NO - Strat zonal mean abs diff for Jul



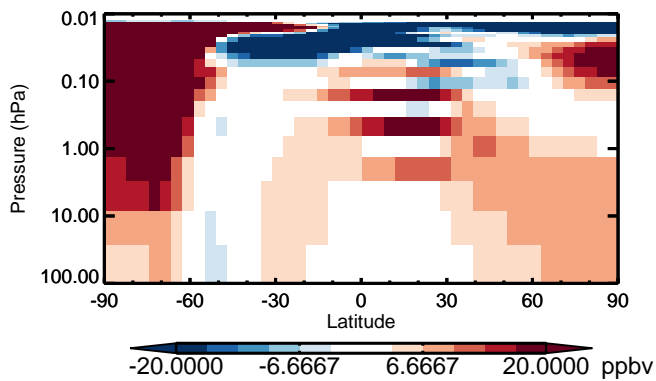
v11-01 / v10-01

NO - Strat zonal mean % diff for Jul



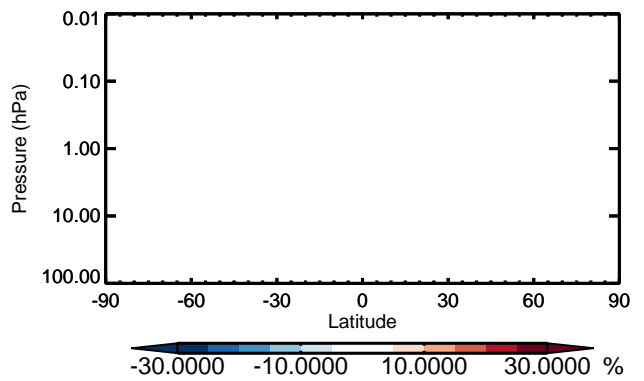
v11-01 - v10-01

O3 - Strat zonal mean abs diff for Jul



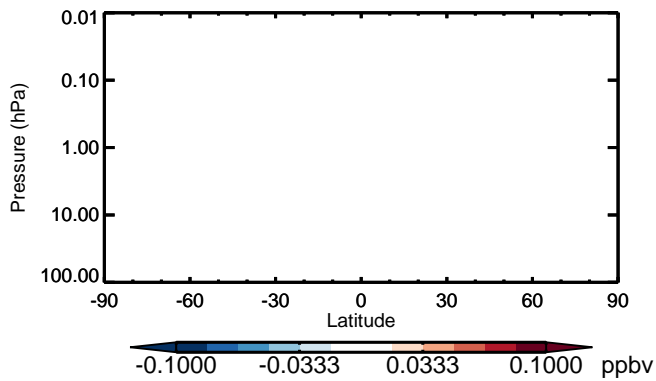
v11-01 / v10-01

O3 - Strat zonal mean % diff for Jul



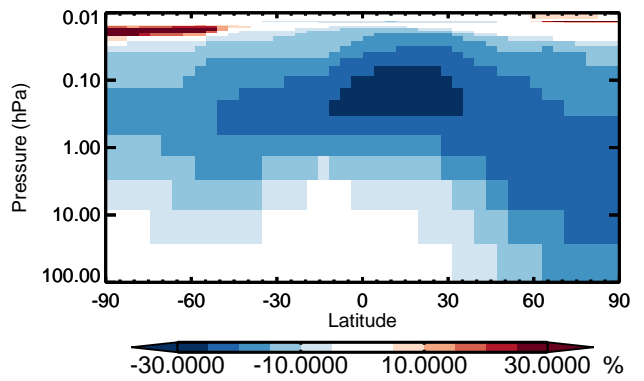
v11-01 - v10-01

PAN - Strat zonal mean abs diff for Jul

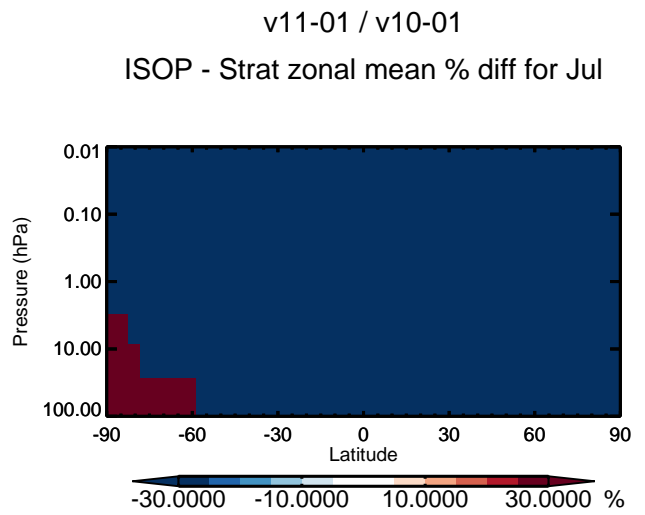
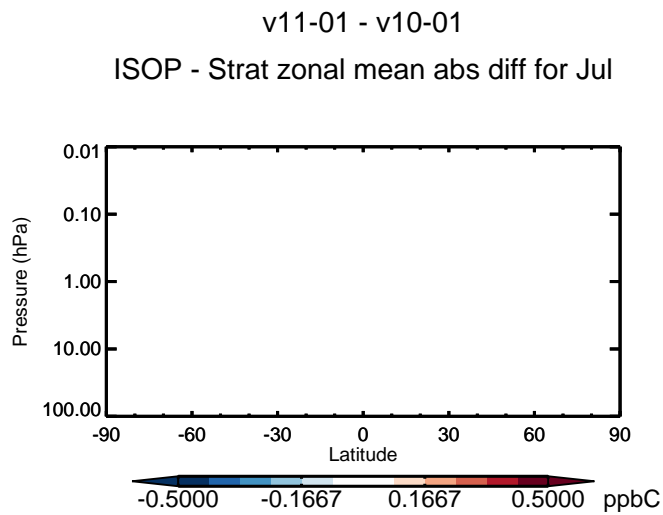
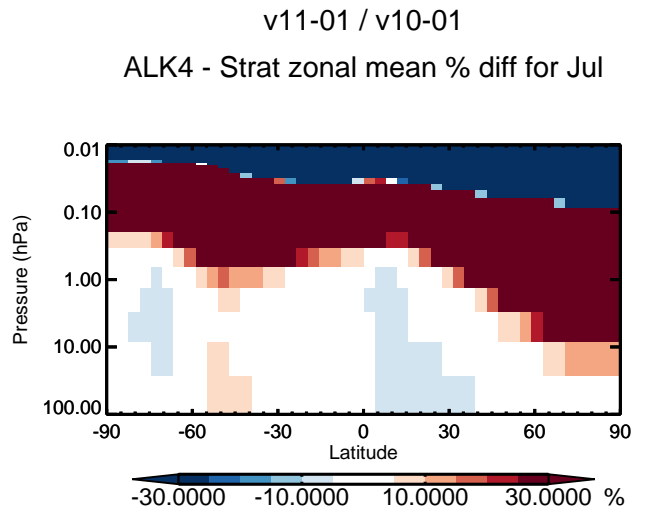
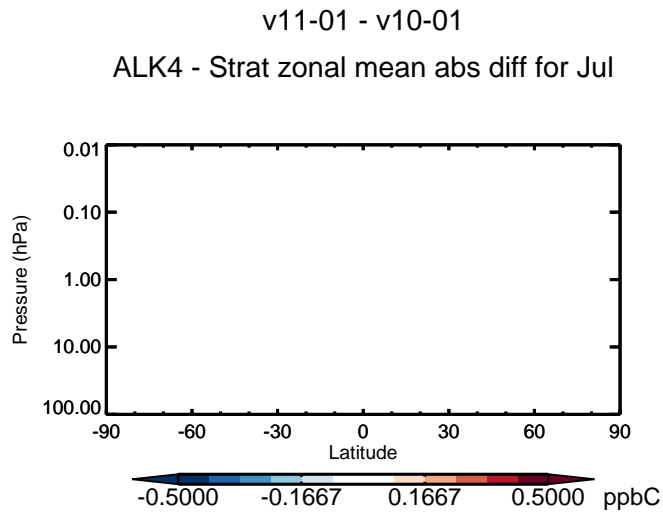
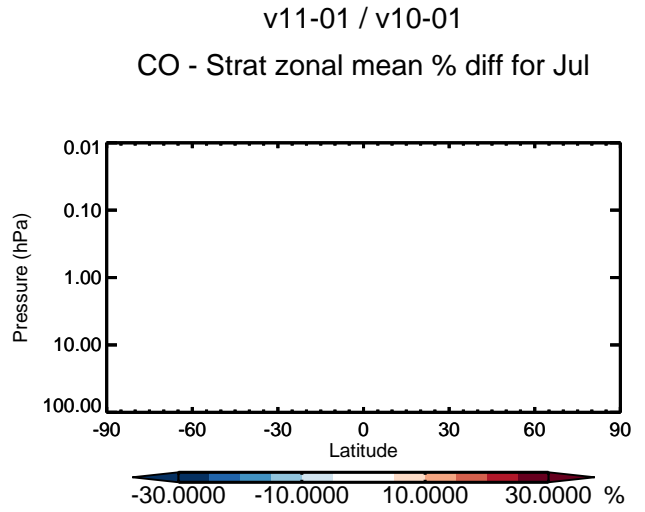
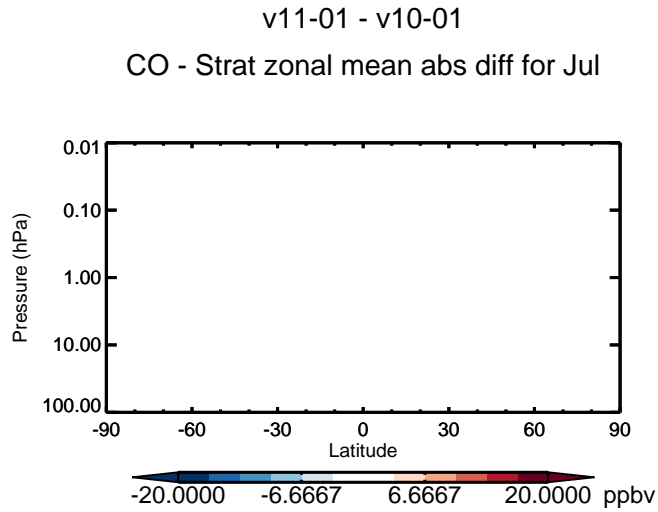


v11-01 / v10-01

PAN - Strat zonal mean % diff for Jul



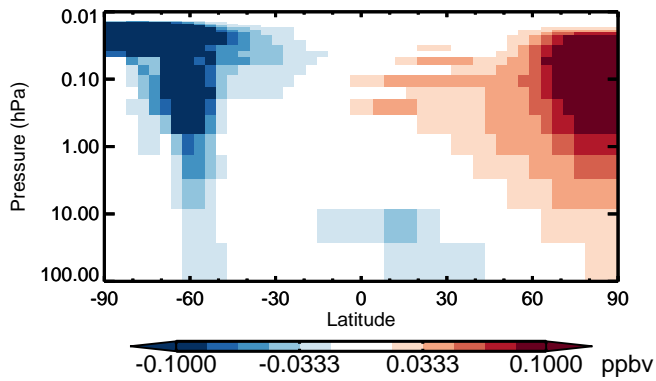
GEOS-Chem Stratospheric Zonal Difference Maps



GEOS-Chem Stratospheric Zonal Difference Maps

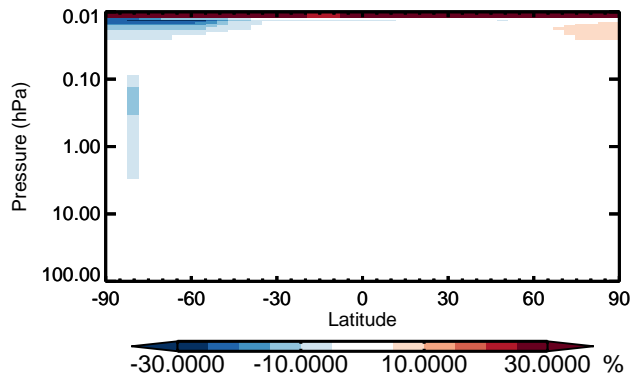
v11-01 - v10-01

HNO₃ - Strat zonal mean abs diff for Jul



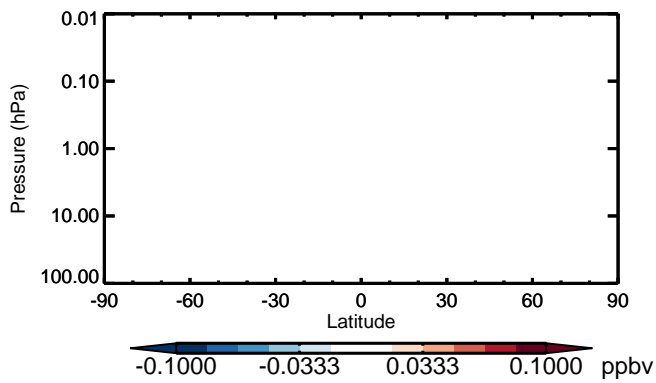
v11-01 / v10-01

HNO₃ - Strat zonal mean % diff for Jul



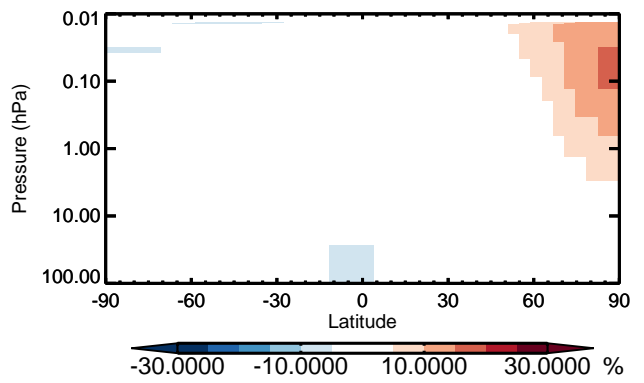
v11-01 - v10-01

H₂O₂ - Strat zonal mean abs diff for Jul



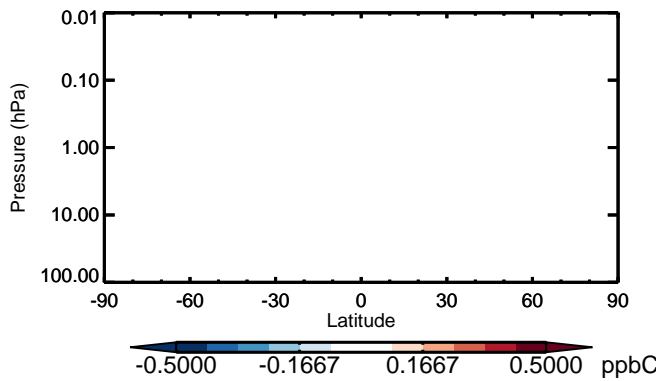
v11-01 / v10-01

H₂O₂ - Strat zonal mean % diff for Jul



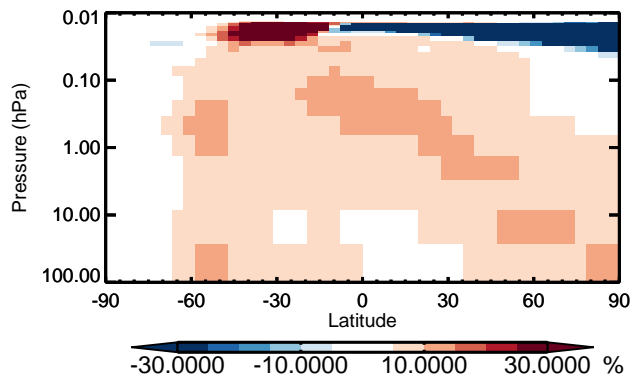
v11-01 - v10-01

ACET - Strat zonal mean abs diff for Jul



v11-01 / v10-01

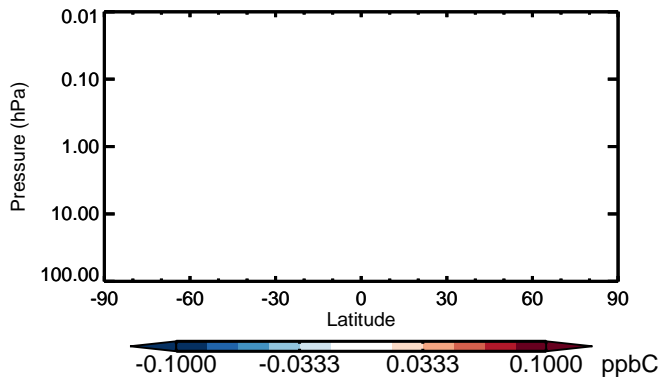
ACET - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

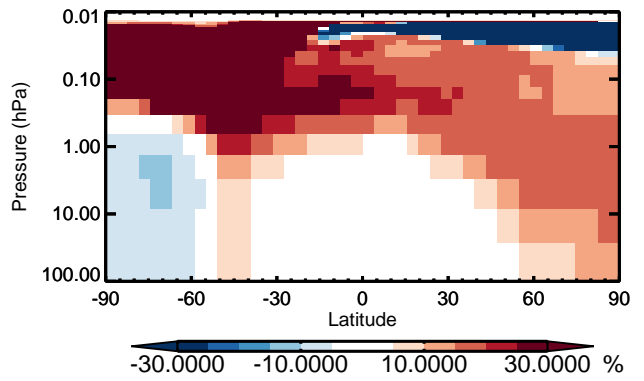
v11-01 - v10-01

MEK - Strat zonal mean abs diff for Jul



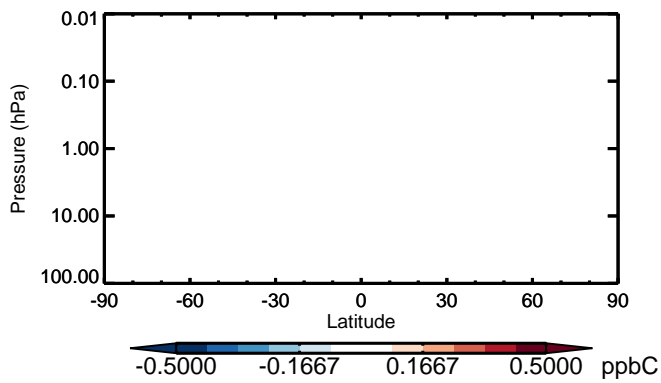
v11-01 / v10-01

MEK - Strat zonal mean % diff for Jul



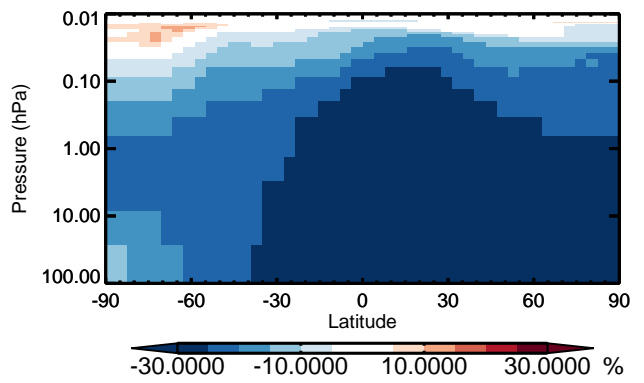
v11-01 - v10-01

ALD2 - Strat zonal mean abs diff for Jul



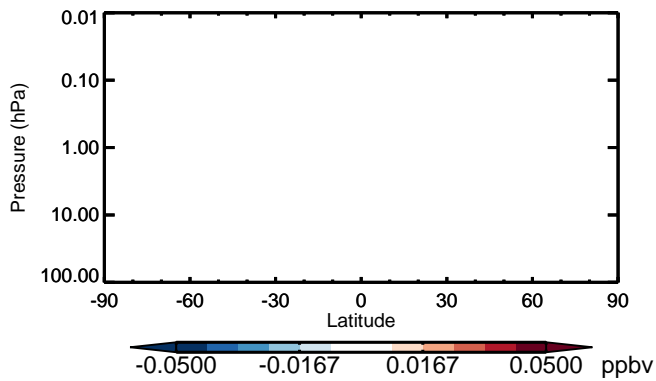
v11-01 / v10-01

ALD2 - Strat zonal mean % diff for Jul



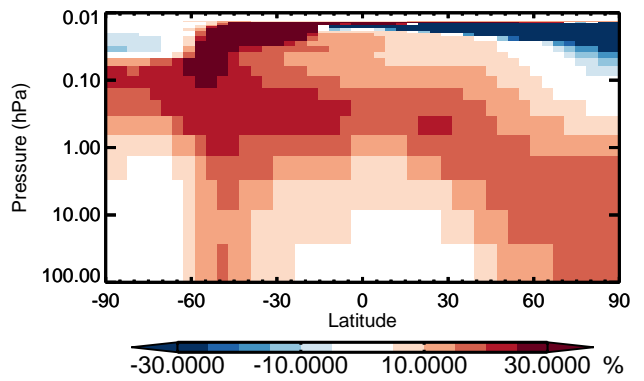
v11-01 - v10-01

RCHO - Strat zonal mean abs diff for Jul



v11-01 / v10-01

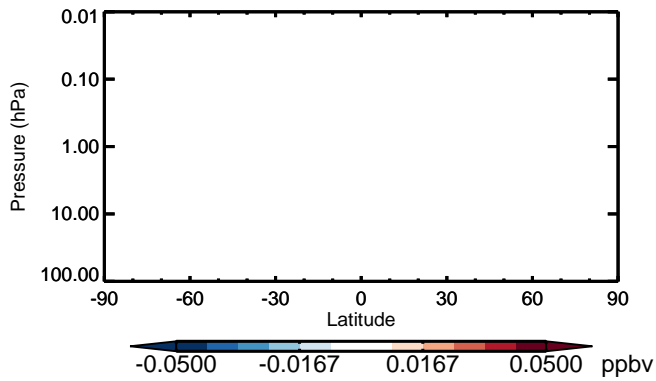
RCHO - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

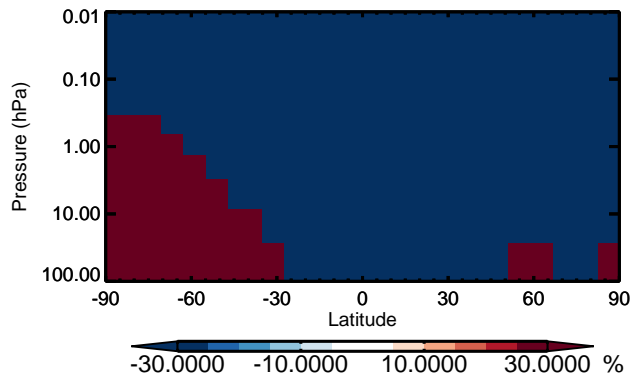
v11-01 - v10-01

MVK - Strat zonal mean abs diff for Jul



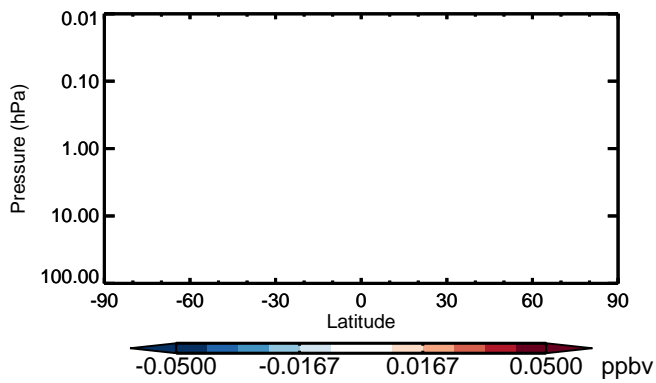
v11-01 / v10-01

MVK - Strat zonal mean % diff for Jul



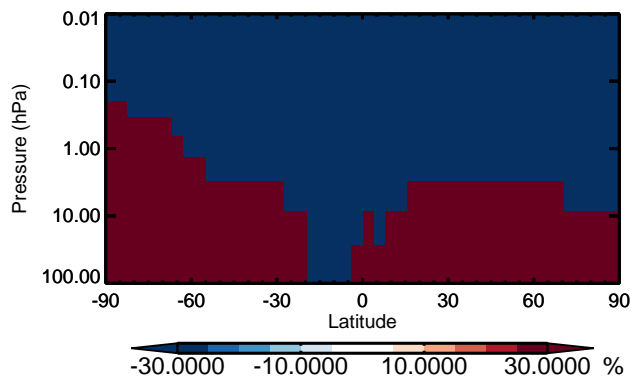
v11-01 - v10-01

MACR - Strat zonal mean abs diff for Jul



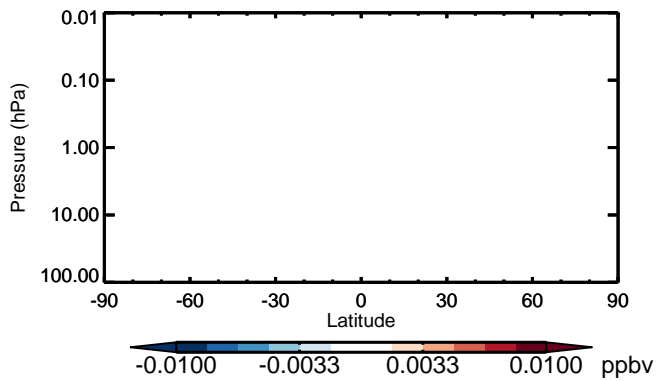
v11-01 / v10-01

MACR - Strat zonal mean % diff for Jul



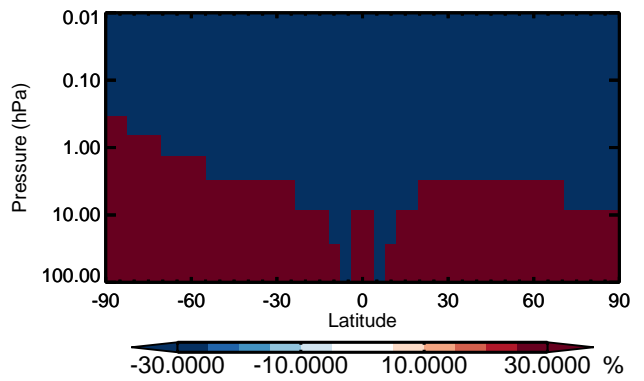
v11-01 - v10-01

PMN - Strat zonal mean abs diff for Jul



v11-01 / v10-01

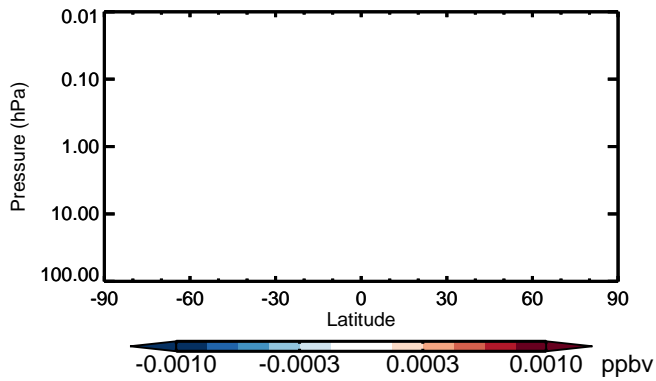
PMN - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

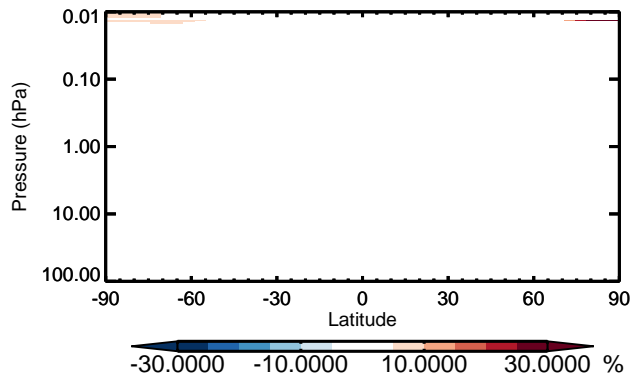
v11-01 - v10-01

PPN - Strat zonal mean abs diff for Jul



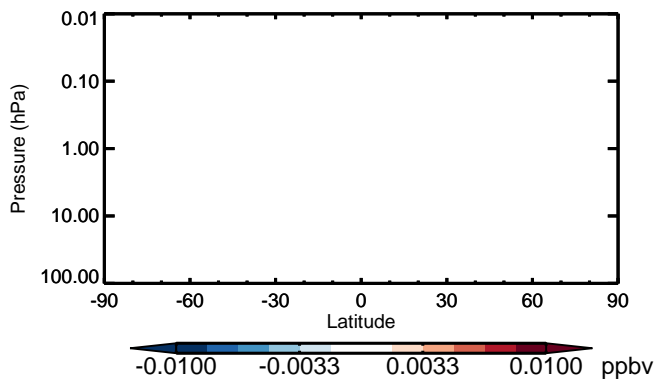
v11-01 / v10-01

PPN - Strat zonal mean % diff for Jul



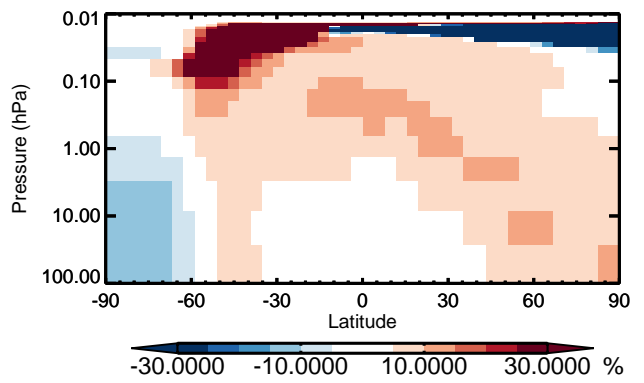
v11-01 - v10-01

R4N2 - Strat zonal mean abs diff for Jul



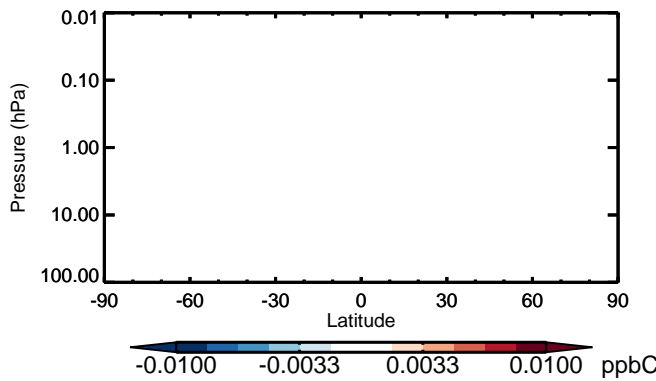
v11-01 / v10-01

R4N2 - Strat zonal mean % diff for Jul



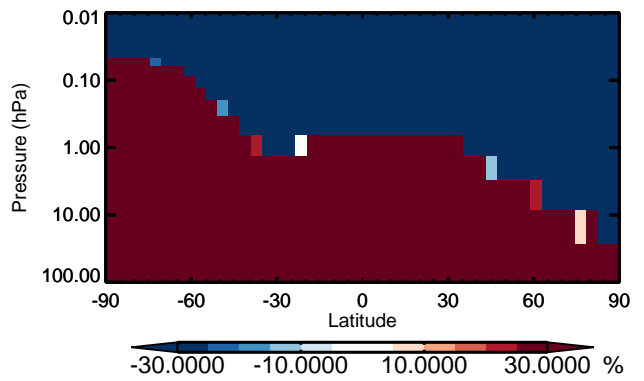
v11-01 - v10-01

PRPE - Strat zonal mean abs diff for Jul

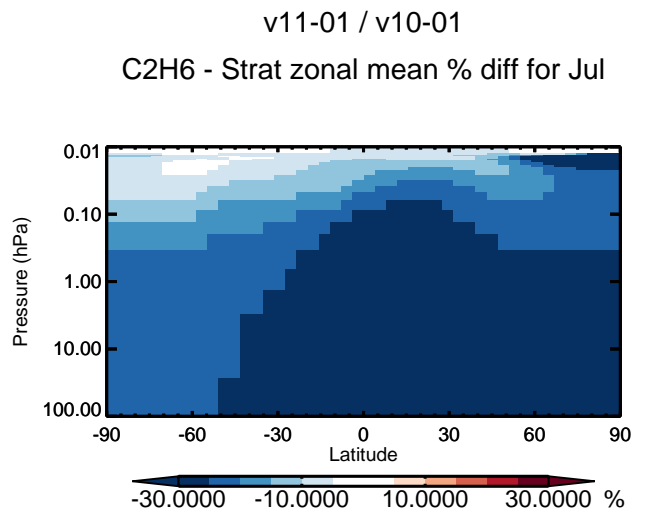
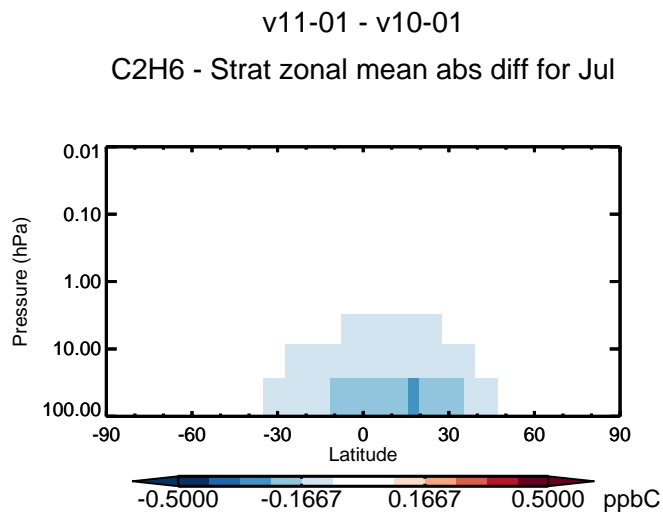
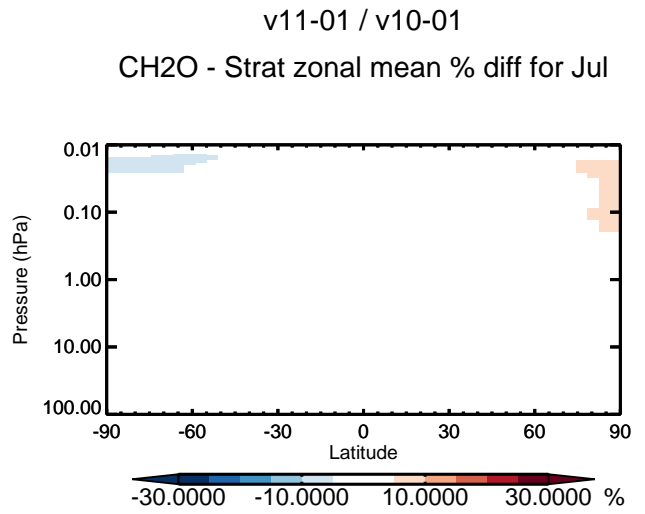
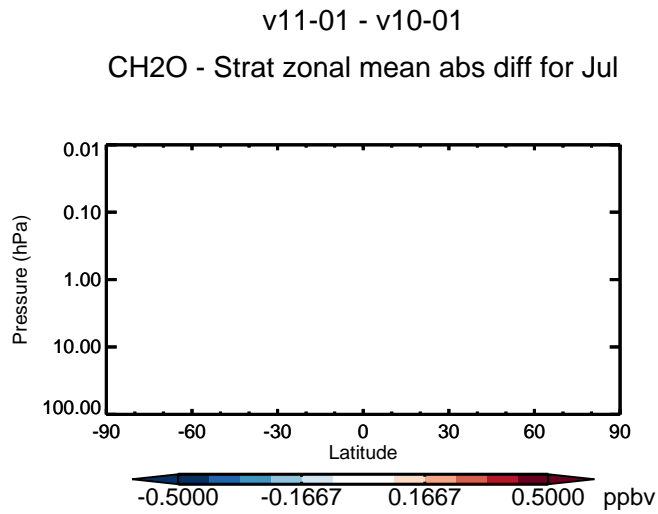
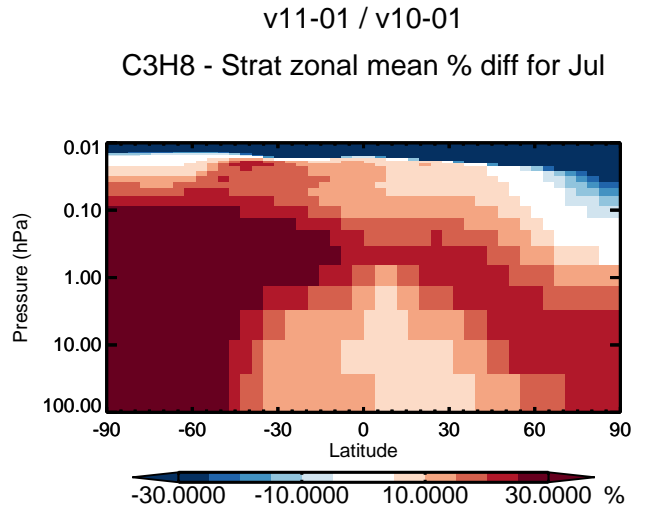
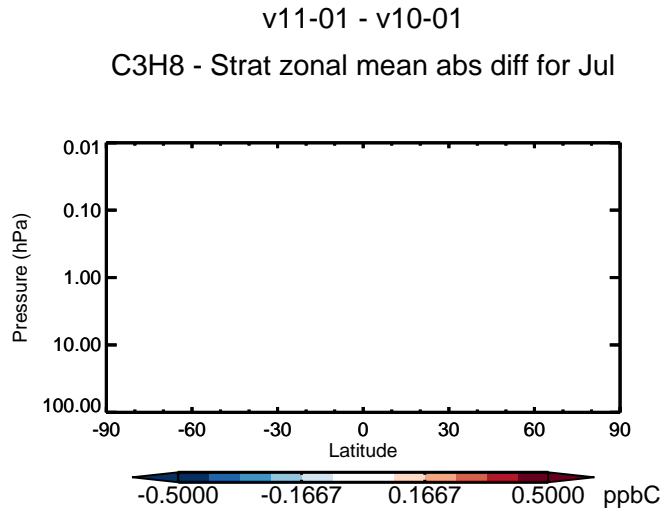


v11-01 / v10-01

PRPE - Strat zonal mean % diff for Jul



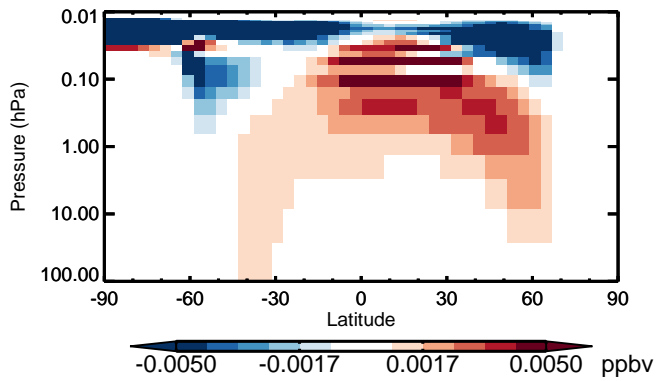
GEOS-Chem Stratospheric Zonal Difference Maps



GEOS-Chem Stratospheric Zonal Difference Maps

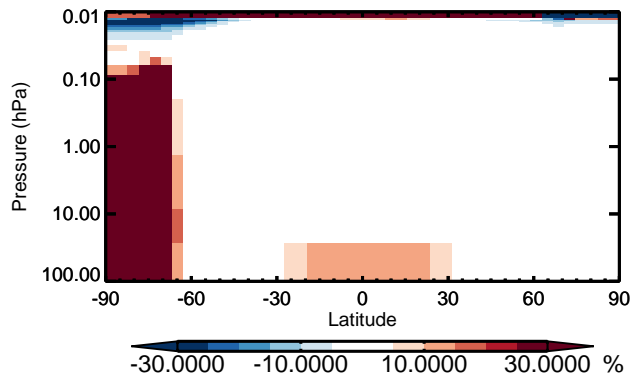
v11-01 - v10-01

N2O5 - Strat zonal mean abs diff for Jul



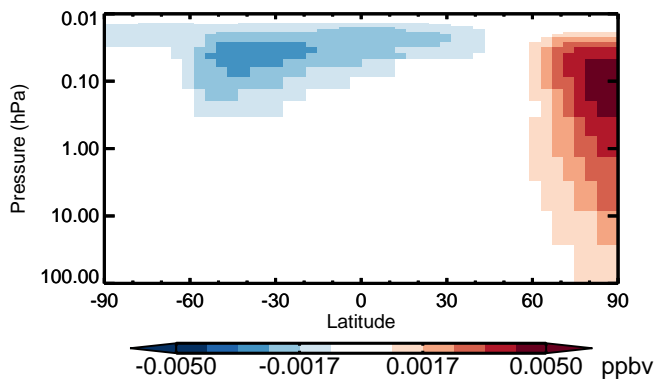
v11-01 / v10-01

N2O5 - Strat zonal mean % diff for Jul



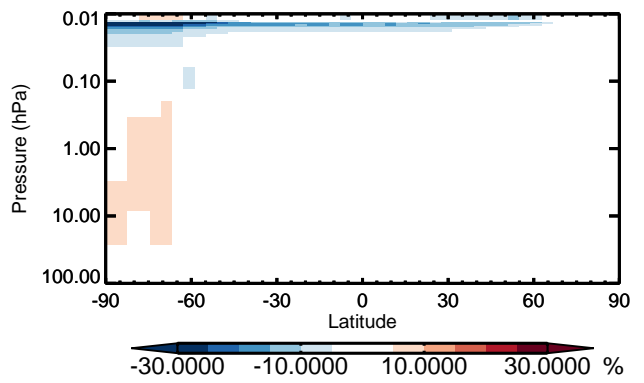
v11-01 - v10-01

HNO4 - Strat zonal mean abs diff for Jul



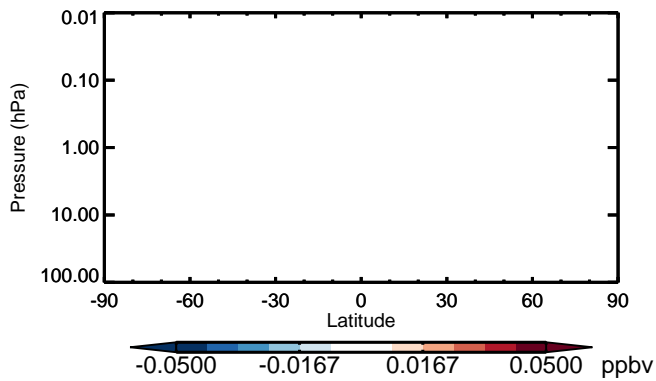
v11-01 / v10-01

HNO4 - Strat zonal mean % diff for Jul



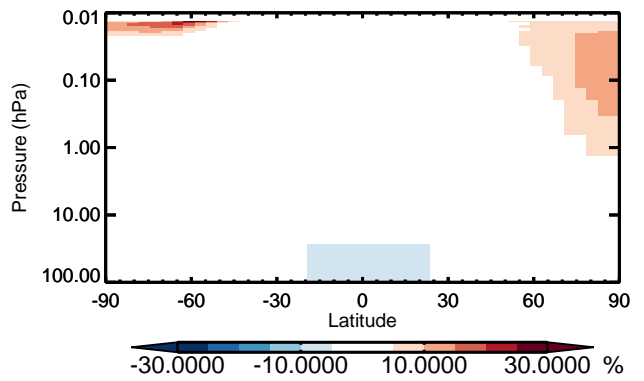
v11-01 - v10-01

MP - Strat zonal mean abs diff for Jul



v11-01 / v10-01

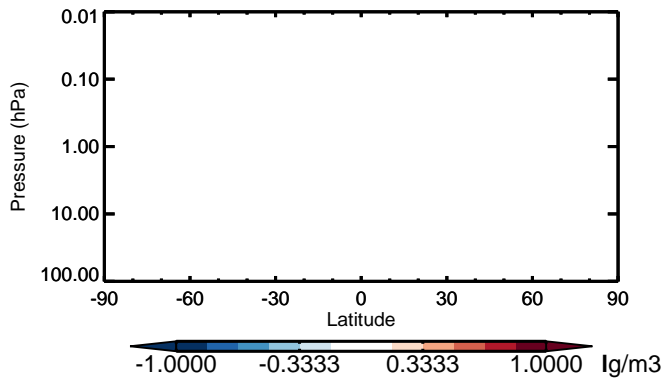
MP - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

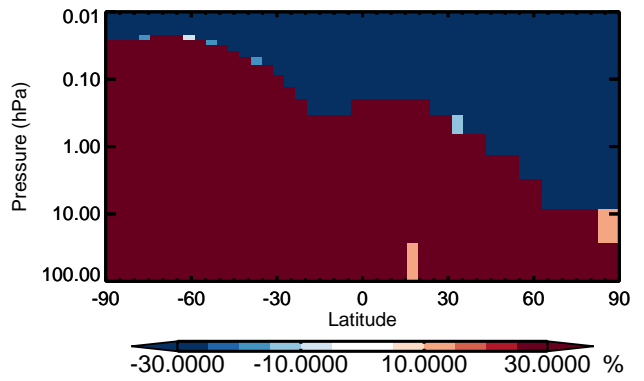
v11-01 - v10-01

DMS - Strat zonal mean abs diff for Jul



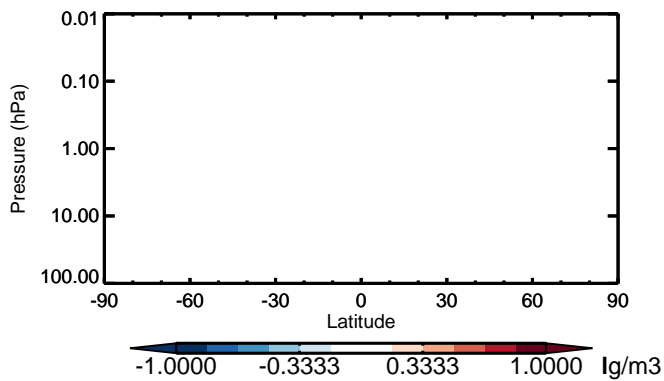
v11-01 / v10-01

DMS - Strat zonal mean % diff for Jul



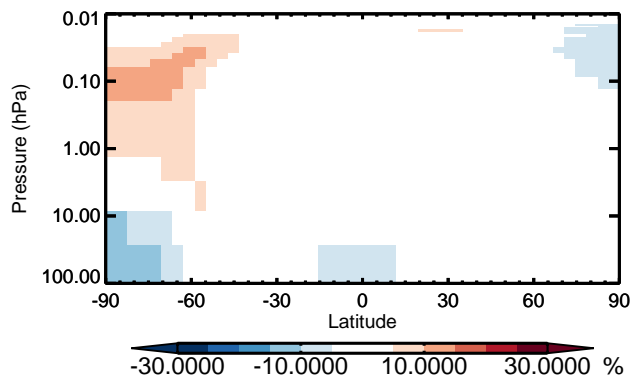
v11-01 - v10-01

SO2 - Strat zonal mean abs diff for Jul



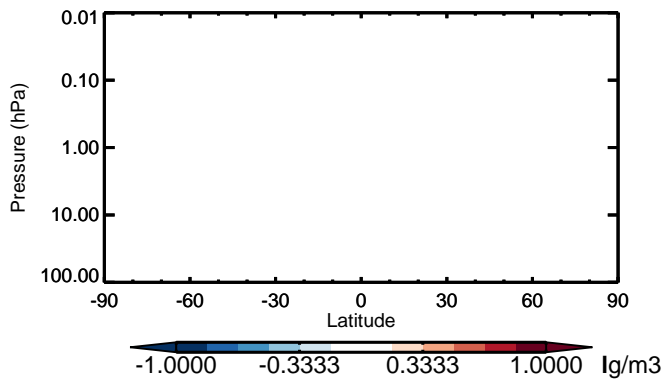
v11-01 / v10-01

SO2 - Strat zonal mean % diff for Jul



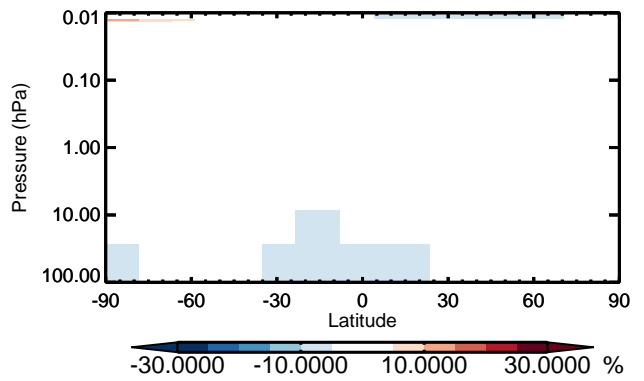
v11-01 - v10-01

SO4 - Strat zonal mean abs diff for Jul



v11-01 / v10-01

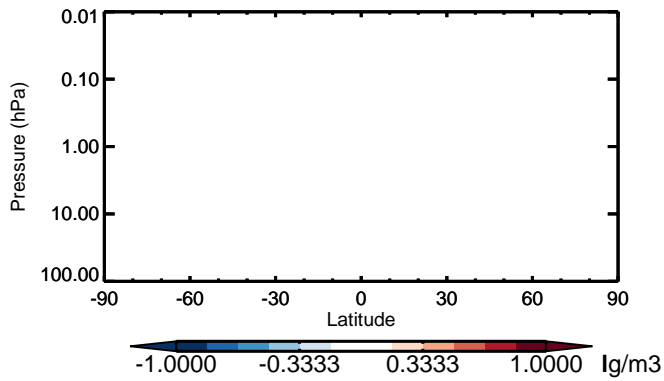
SO4 - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

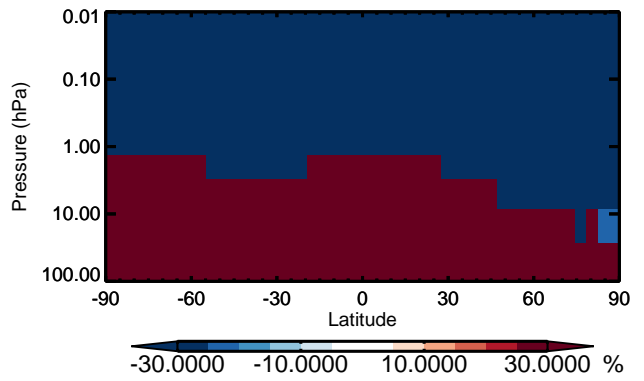
v11-01 - v10-01

SO₄s - Strat zonal mean abs diff for Jul



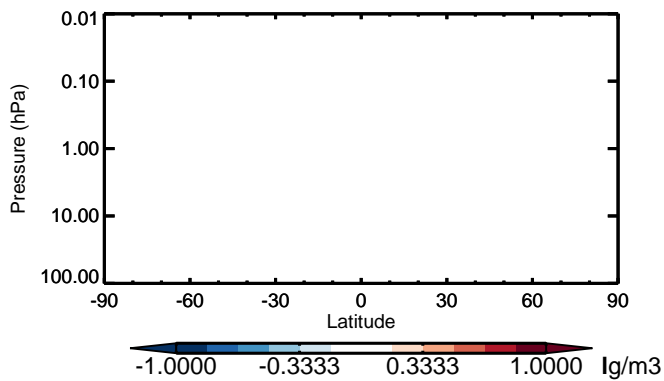
v11-01 / v10-01

SO₄s - Strat zonal mean % diff for Jul



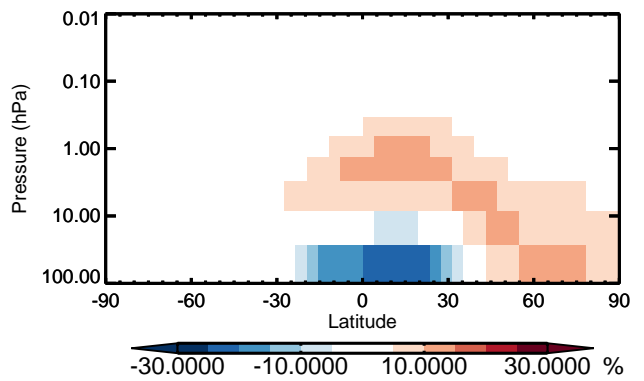
v11-01 - v10-01

MSA - Strat zonal mean abs diff for Jul



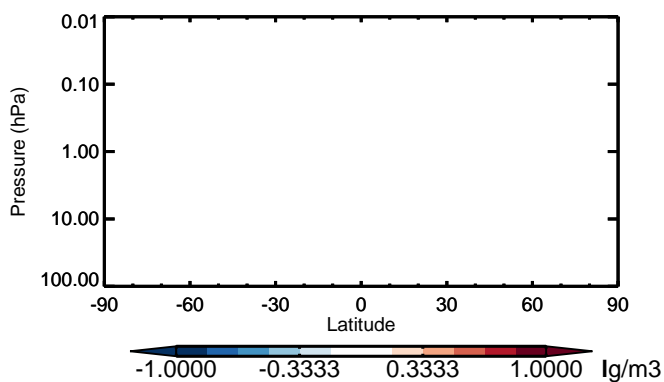
v11-01 / v10-01

MSA - Strat zonal mean % diff for Jul



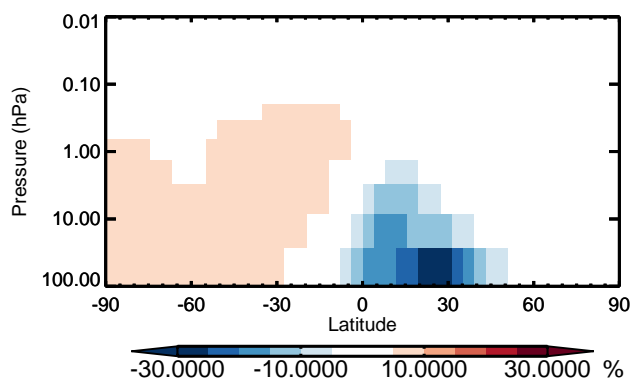
v11-01 - v10-01

NH₃ - Strat zonal mean abs diff for Jul



v11-01 / v10-01

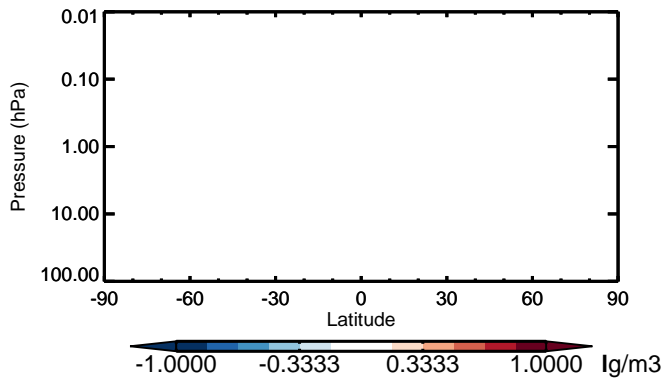
NH₃ - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

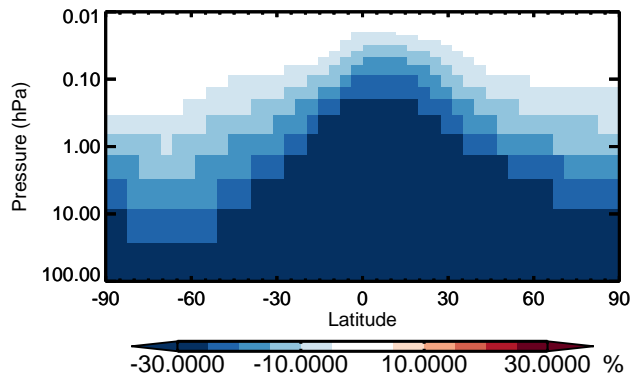
v11-01 - v10-01

NH4 - Strat zonal mean abs diff for Jul



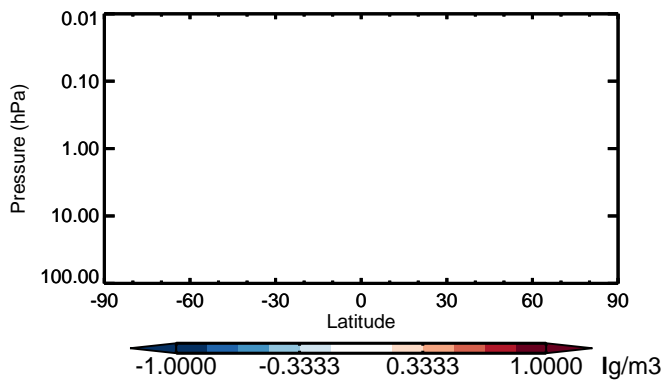
v11-01 / v10-01

NH4 - Strat zonal mean % diff for Jul



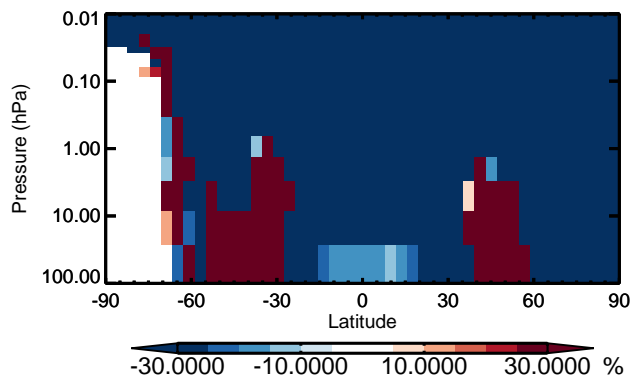
v11-01 - v10-01

NIT - Strat zonal mean abs diff for Jul



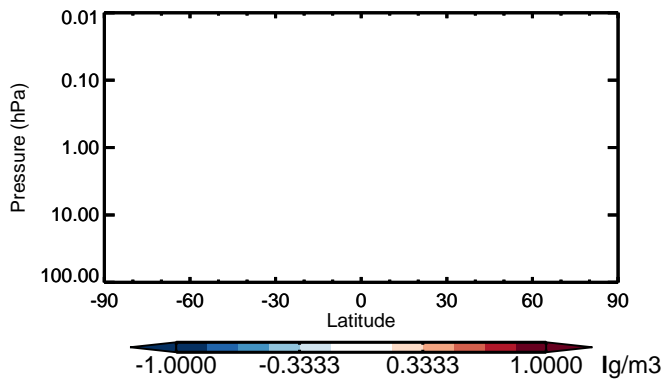
v11-01 / v10-01

NIT - Strat zonal mean % diff for Jul



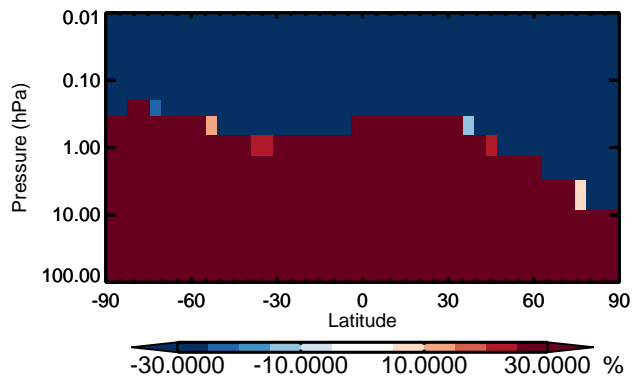
v11-01 - v10-01

NITs - Strat zonal mean abs diff for Jul



v11-01 / v10-01

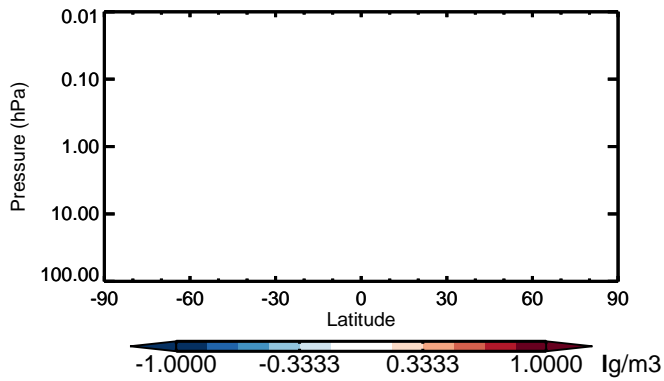
NITs - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

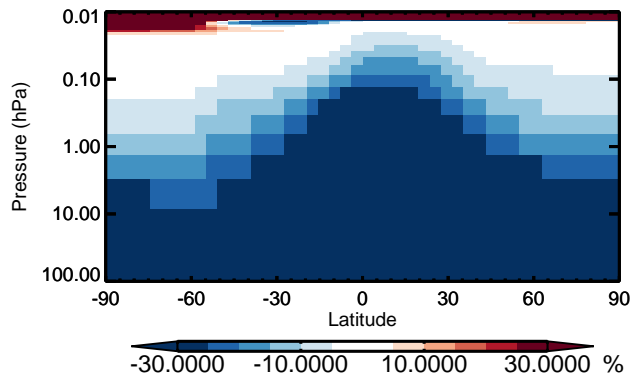
v11-01 - v10-01

BCPI - Strat zonal mean abs diff for Jul



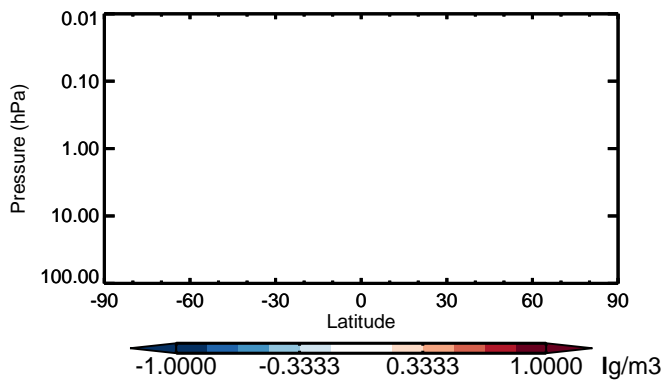
v11-01 / v10-01

BCPI - Strat zonal mean % diff for Jul



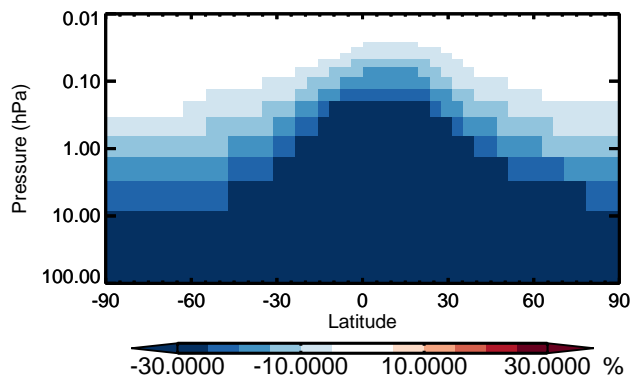
v11-01 - v10-01

OCPI - Strat zonal mean abs diff for Jul



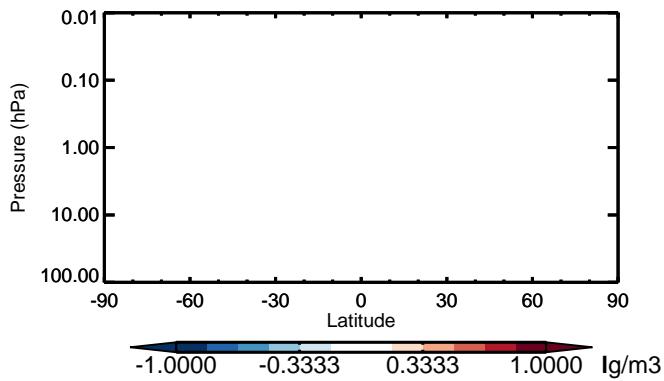
v11-01 / v10-01

OCPI - Strat zonal mean % diff for Jul



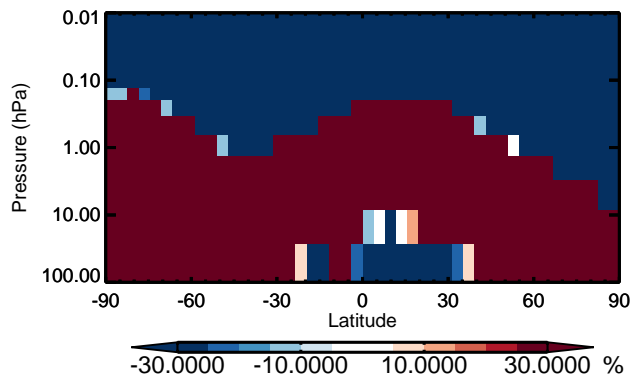
v11-01 - v10-01

BCPO - Strat zonal mean abs diff for Jul

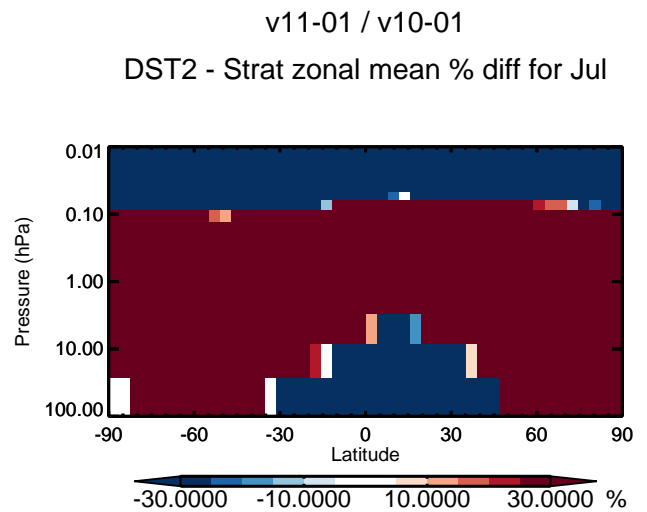
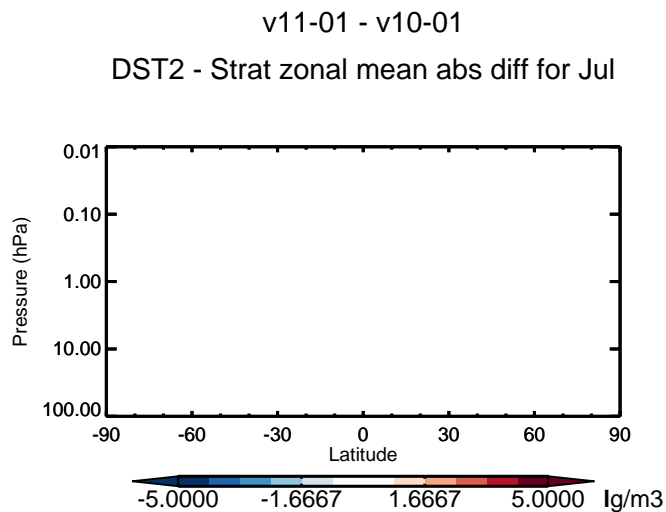
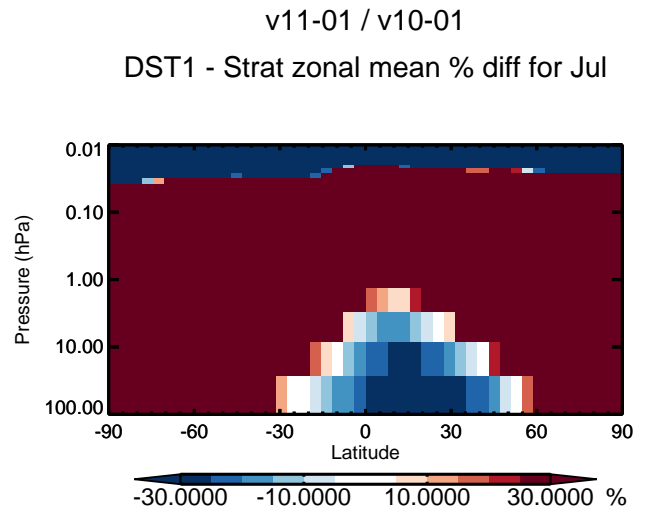
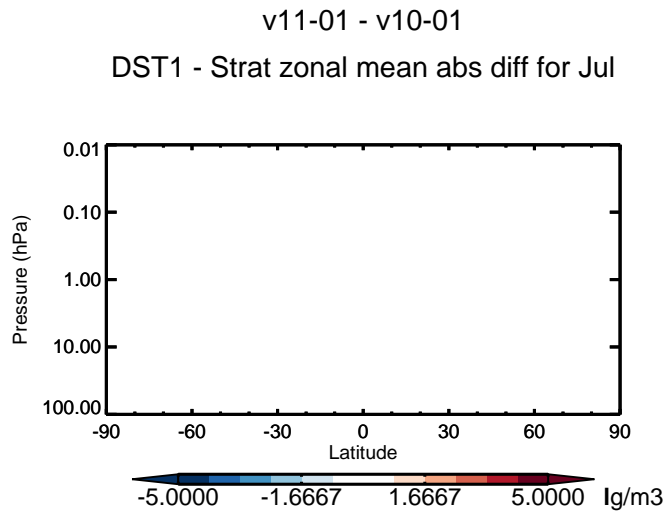
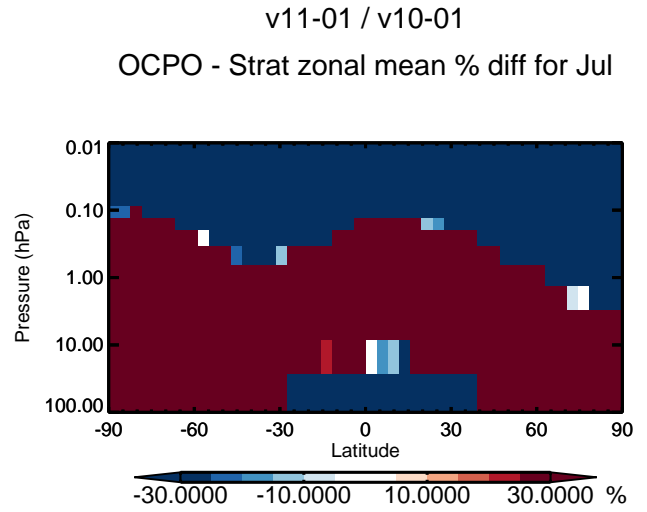
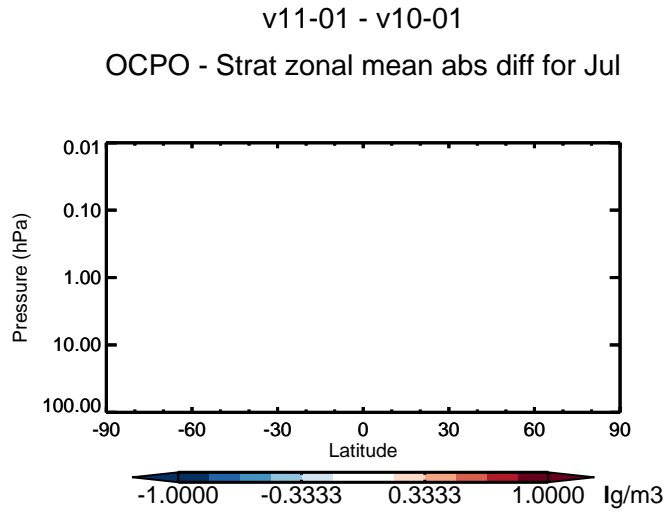


v11-01 / v10-01

BCPO - Strat zonal mean % diff for Jul



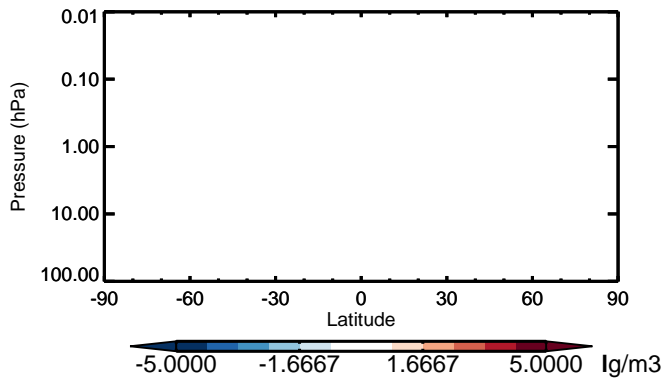
GEOS-Chem Stratospheric Zonal Difference Maps



GEOS-Chem Stratospheric Zonal Difference Maps

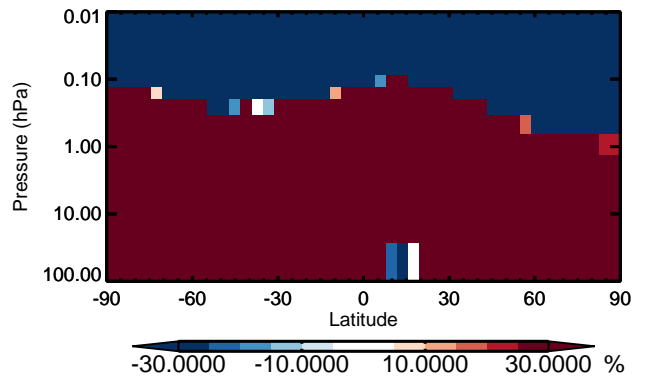
v11-01 - v10-01

DST3 - Strat zonal mean abs diff for Jul



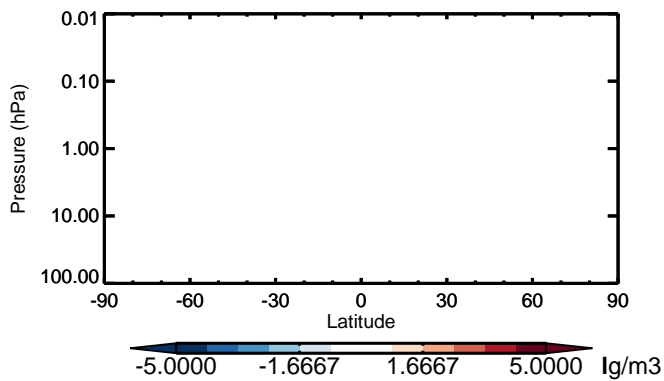
v11-01 / v10-01

DST3 - Strat zonal mean % diff for Jul



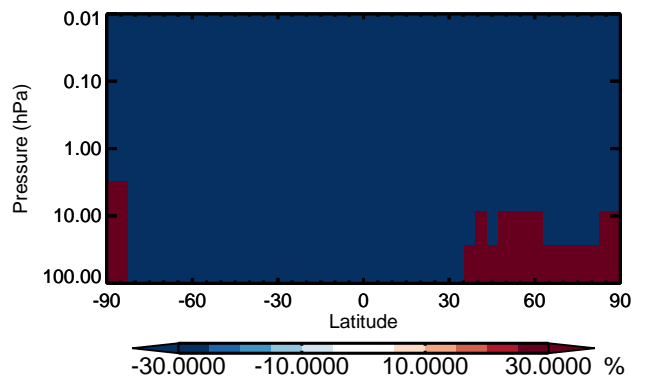
v11-01 - v10-01

DST4 - Strat zonal mean abs diff for Jul



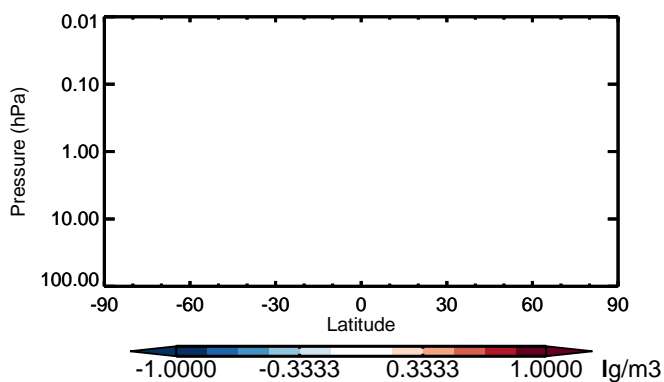
v11-01 / v10-01

DST4 - Strat zonal mean % diff for Jul



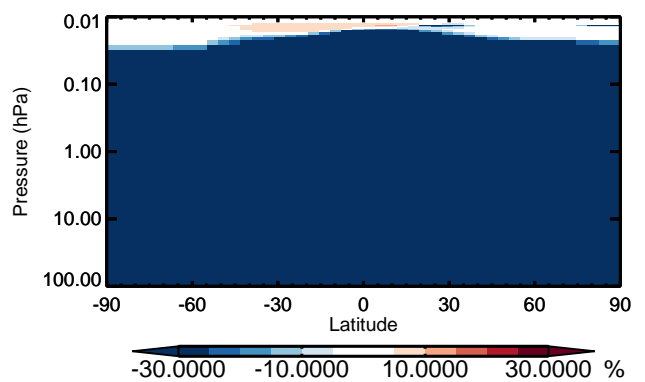
v11-01 - v10-01

SALA - Strat zonal mean abs diff for Jul



v11-01 / v10-01

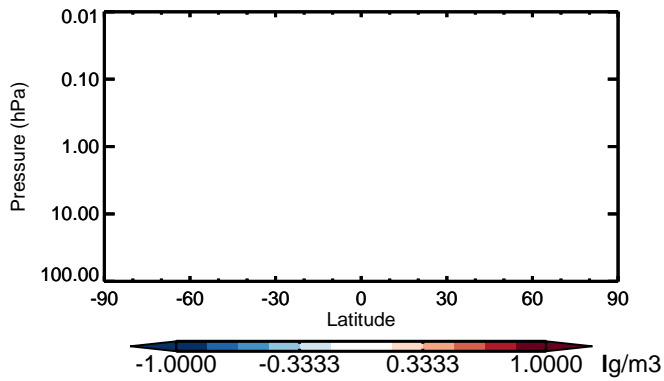
SALA - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

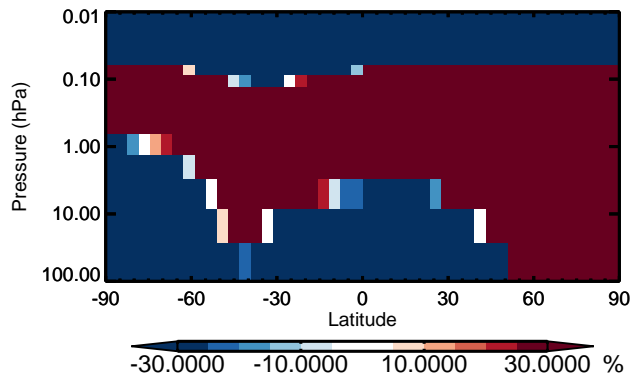
v11-01 - v10-01

SALC - Strat zonal mean abs diff for Jul



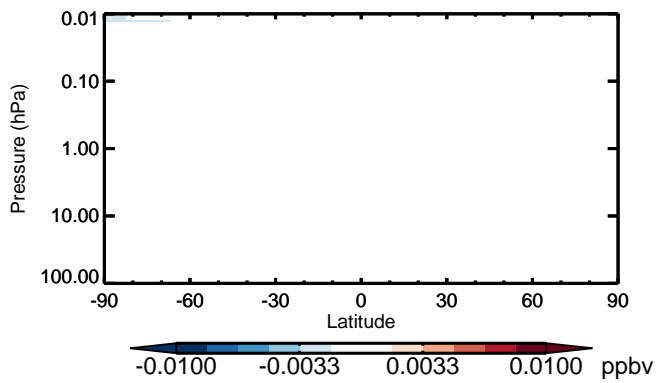
v11-01 / v10-01

SALC - Strat zonal mean % diff for Jul



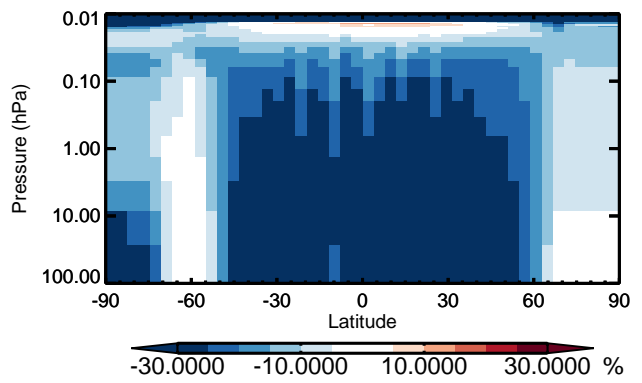
v11-01 - v10-01

Br2 - Strat zonal mean abs diff for Jul



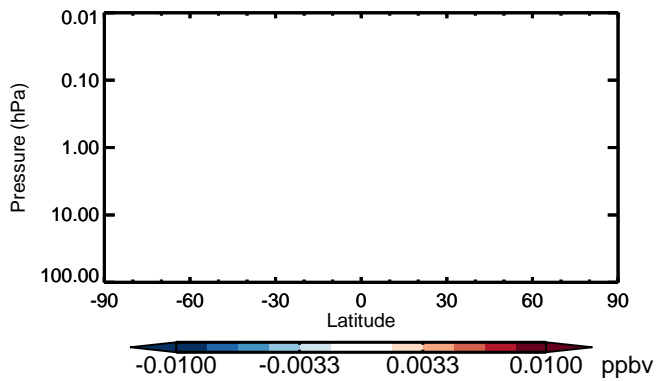
v11-01 / v10-01

Br2 - Strat zonal mean % diff for Jul



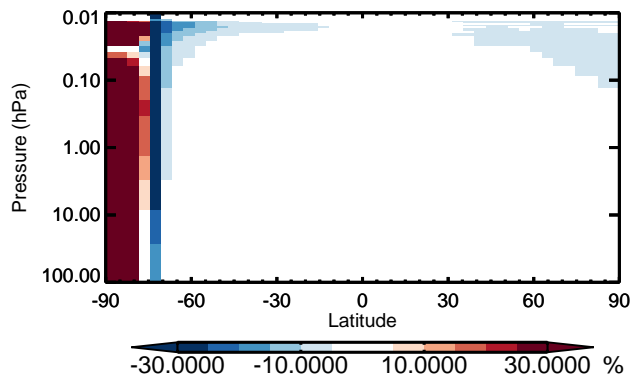
v11-01 - v10-01

Br - Strat zonal mean abs diff for Jul



v11-01 / v10-01

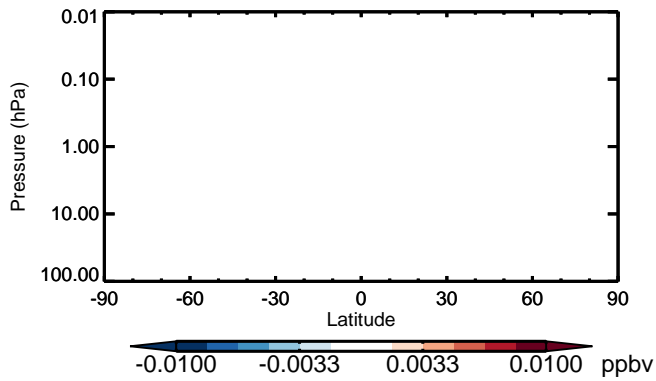
Br - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

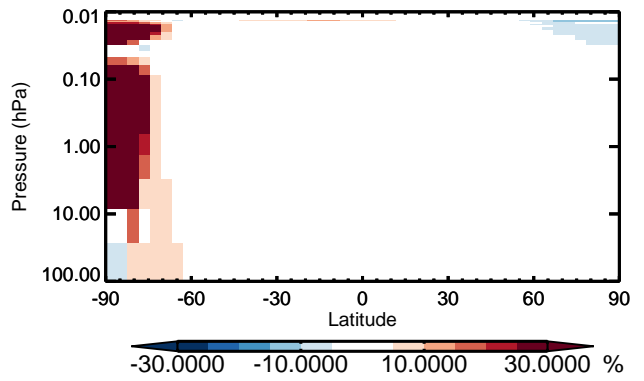
v11-01 - v10-01

BrO - Strat zonal mean abs diff for Jul



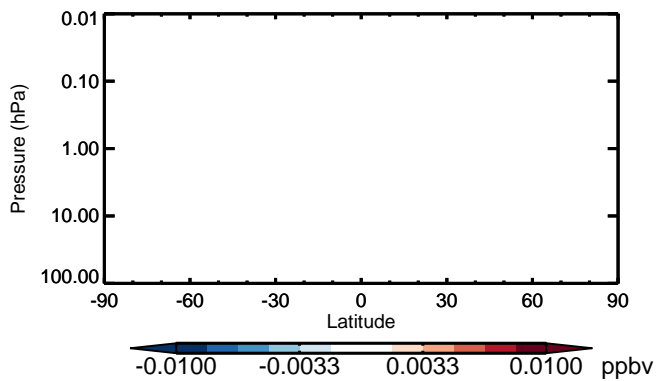
v11-01 / v10-01

BrO - Strat zonal mean % diff for Jul



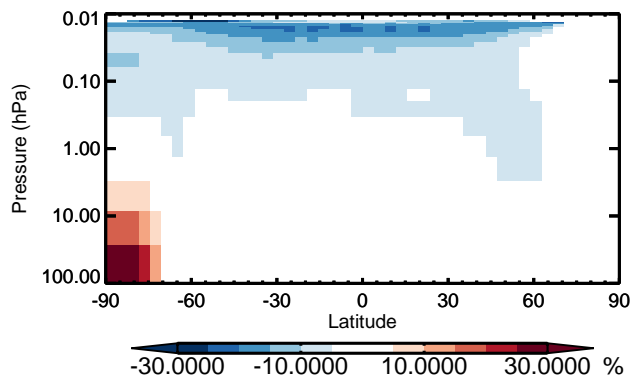
v11-01 - v10-01

HOBr - Strat zonal mean abs diff for Jul



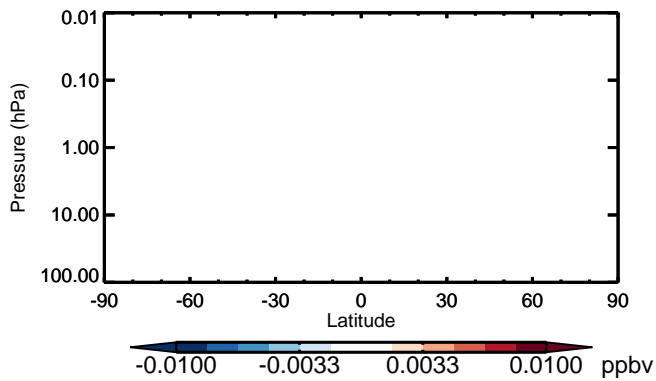
v11-01 / v10-01

HOBr - Strat zonal mean % diff for Jul



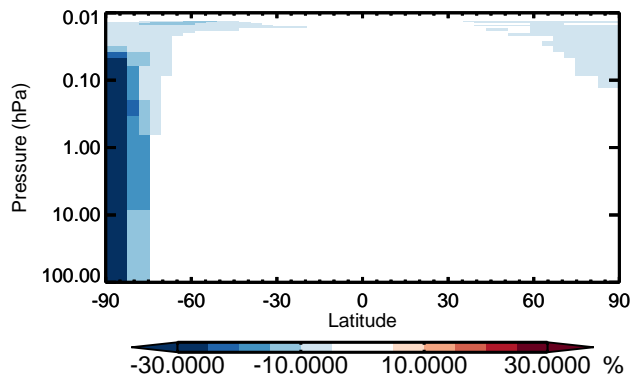
v11-01 - v10-01

HBr - Strat zonal mean abs diff for Jul

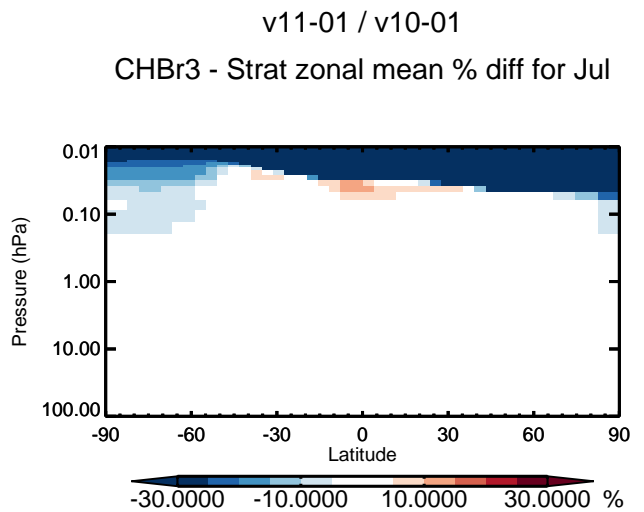
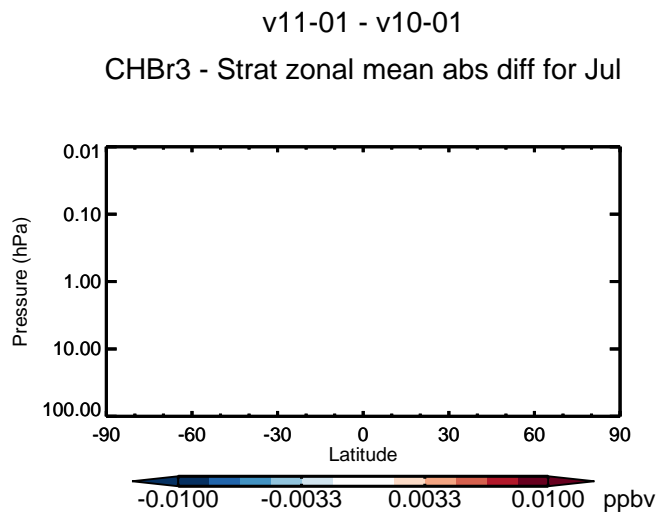
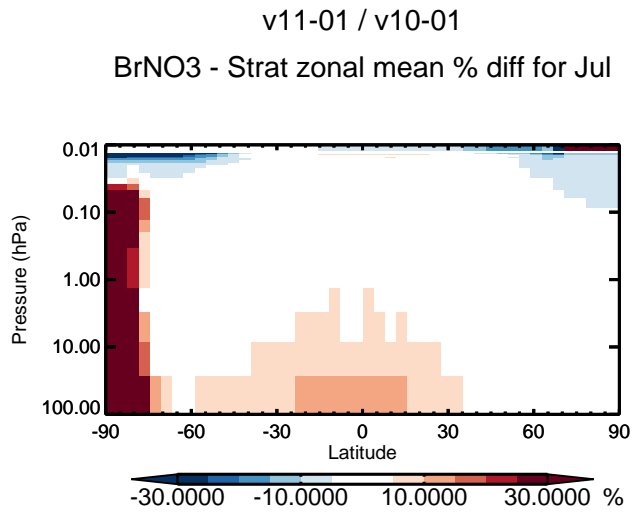
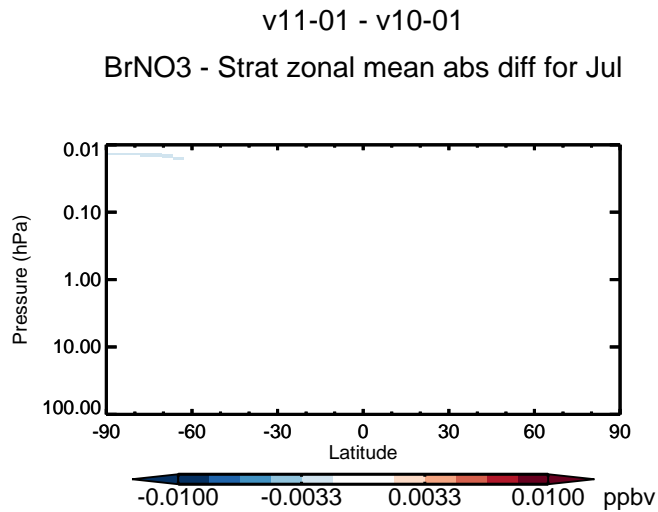
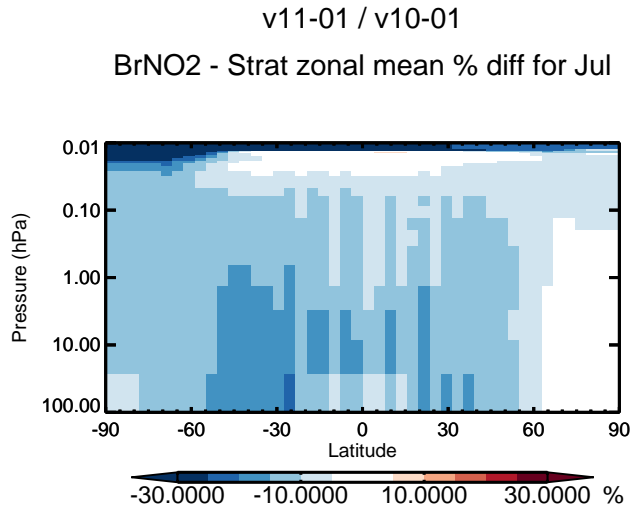
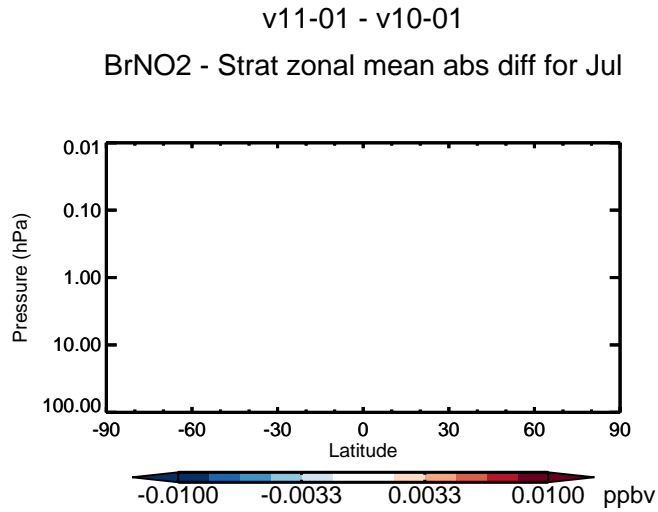


v11-01 / v10-01

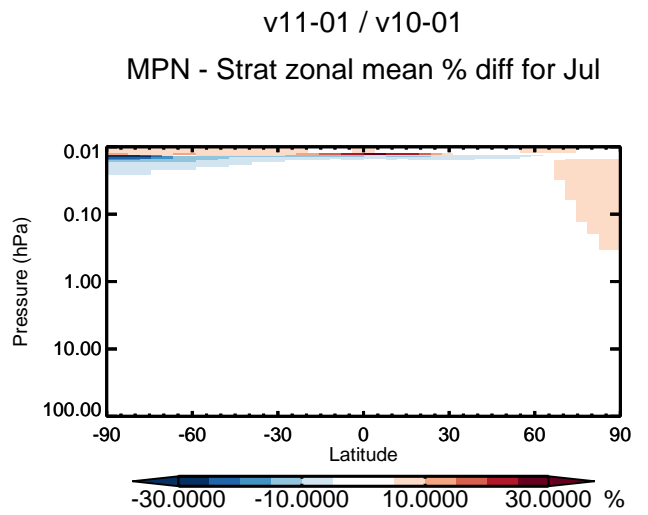
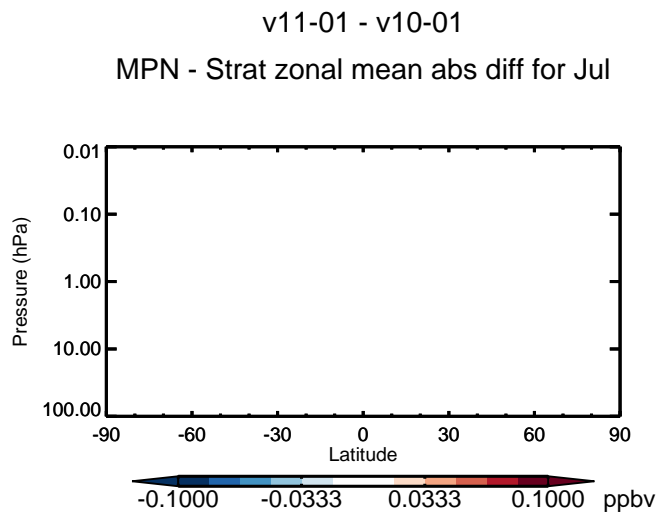
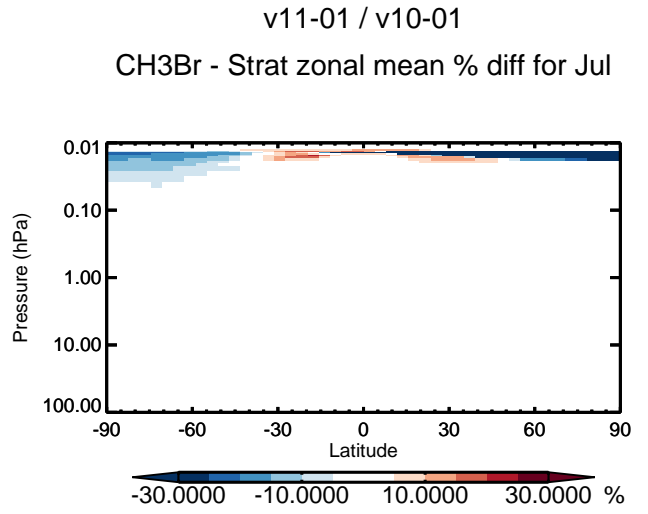
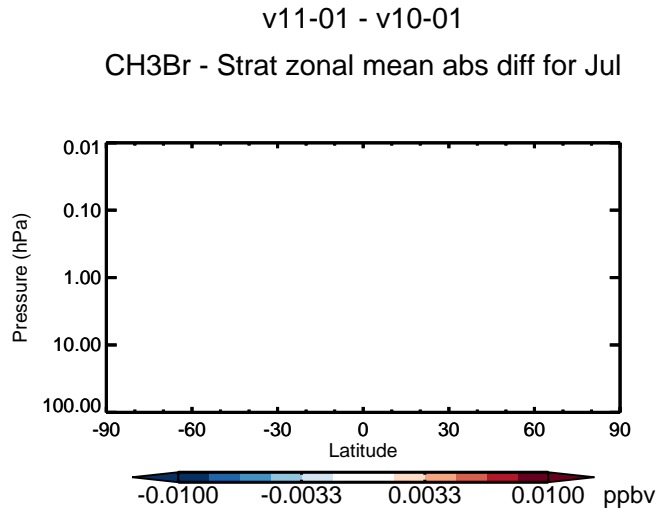
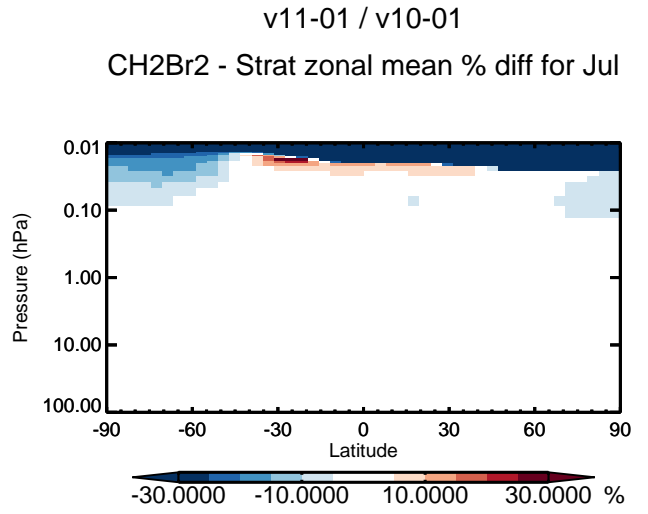
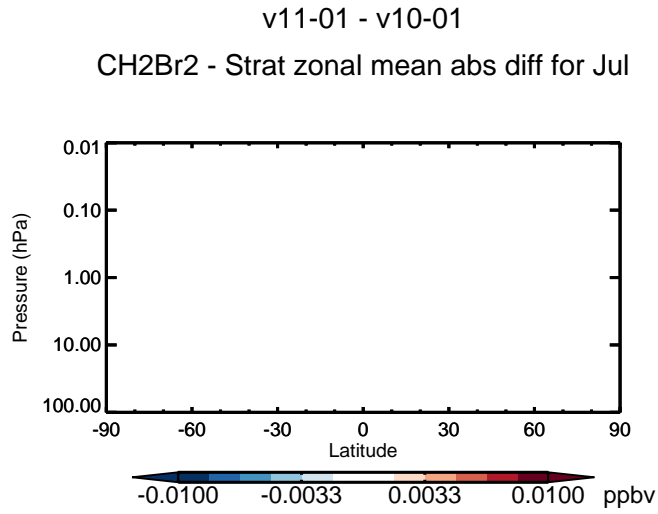
HBr - Strat zonal mean % diff for Jul



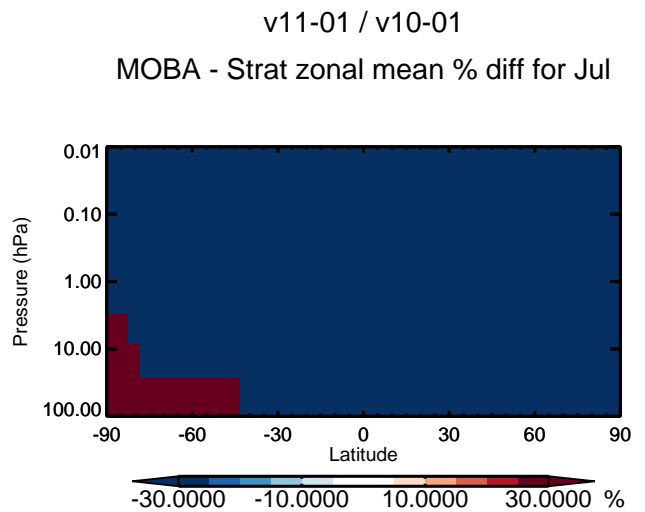
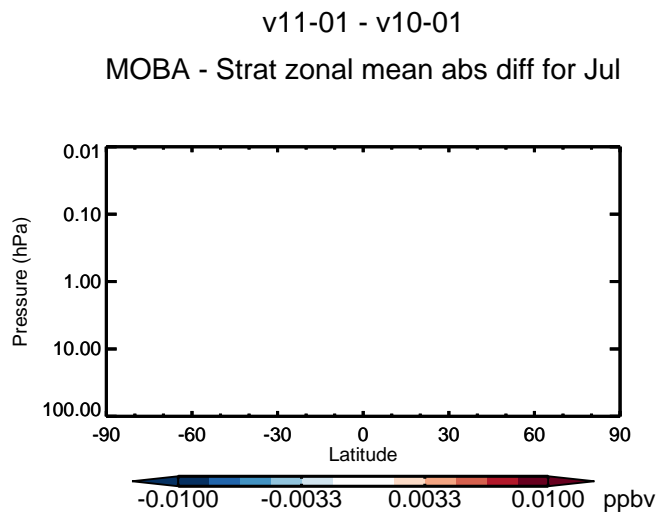
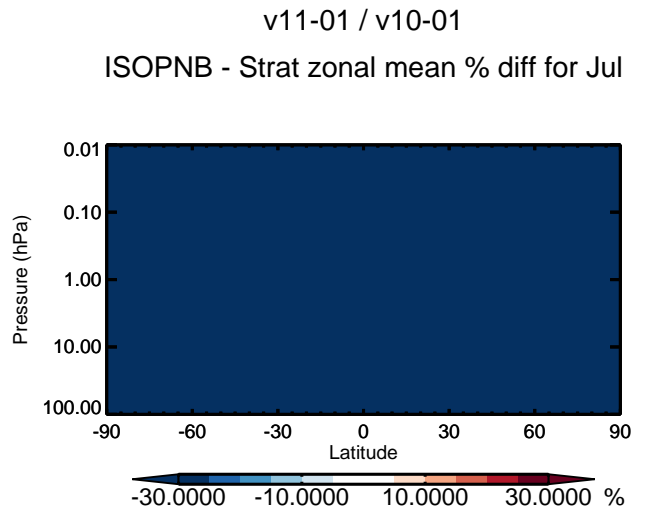
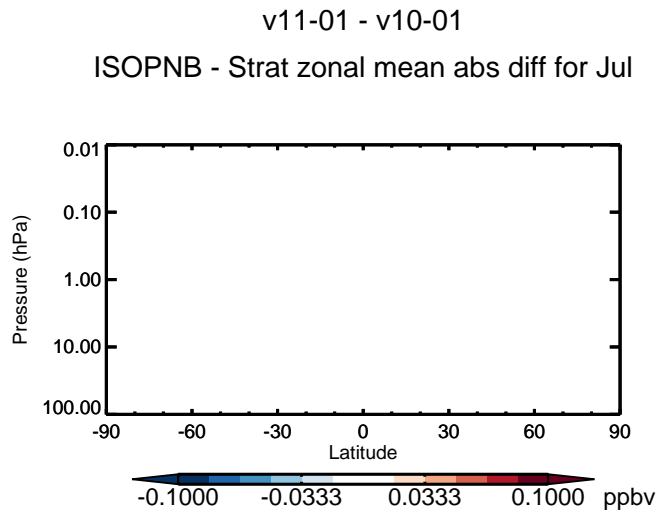
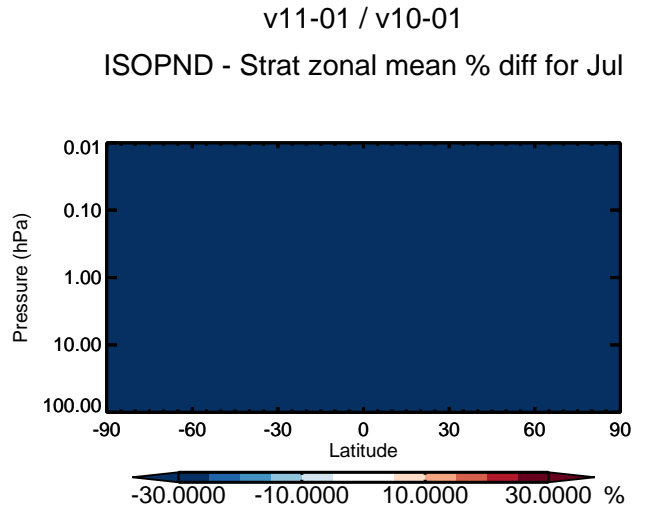
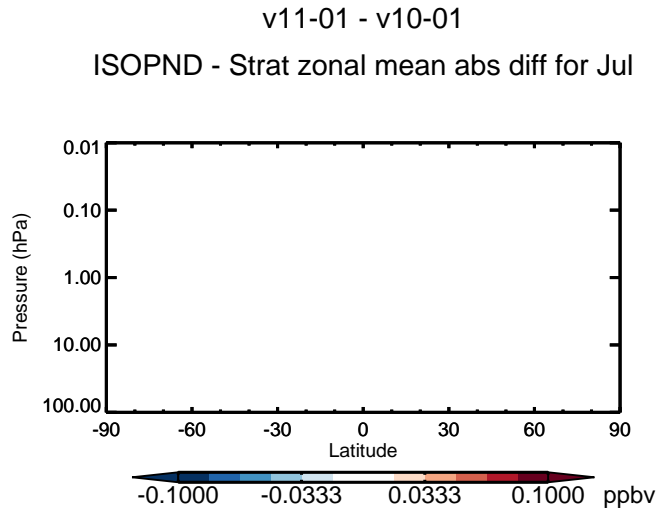
GEOS-Chem Stratospheric Zonal Difference Maps



GEOS-Chem Stratospheric Zonal Difference Maps



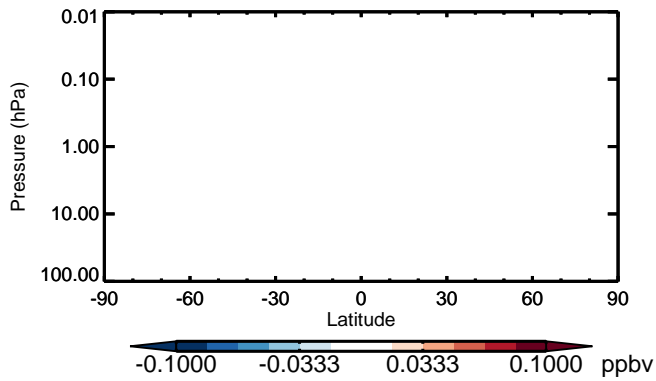
GEOS-Chem Stratospheric Zonal Difference Maps



GEOS-Chem Stratospheric Zonal Difference Maps

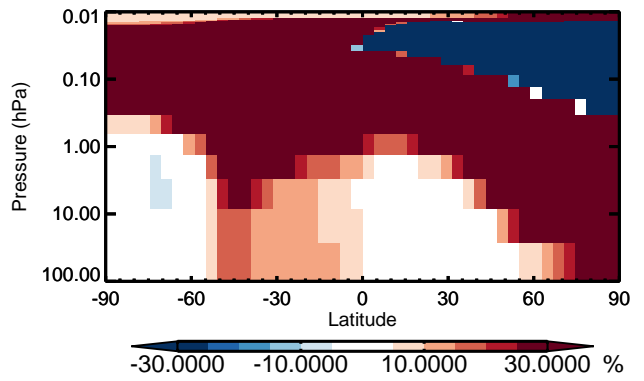
v11-01 - v10-01

PROPNN - Strat zonal mean abs diff for Jul



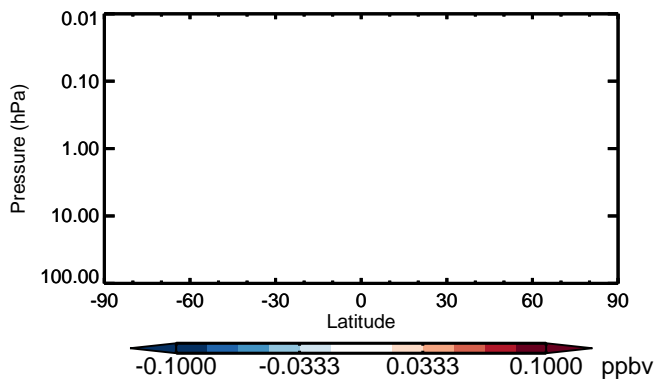
v11-01 / v10-01

PROPNN - Strat zonal mean % diff for Jul



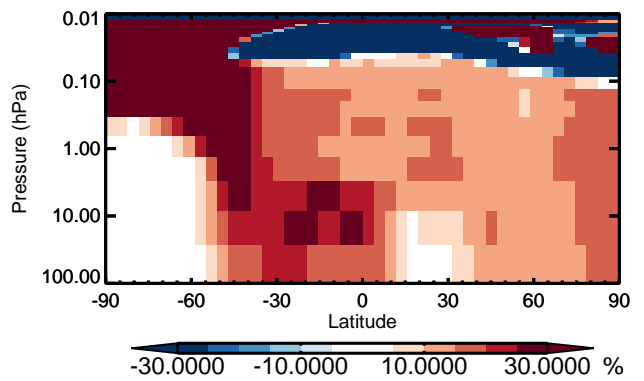
v11-01 - v10-01

HAC - Strat zonal mean abs diff for Jul



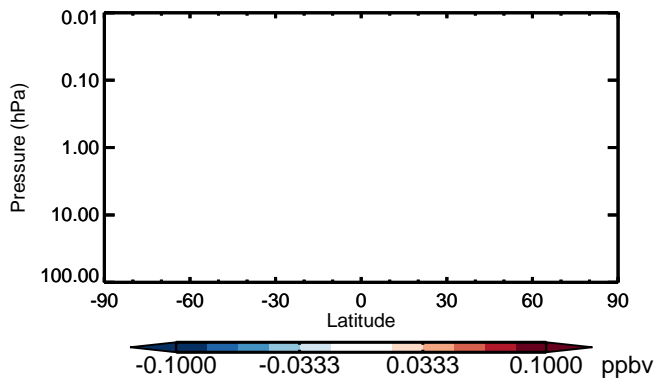
v11-01 / v10-01

HAC - Strat zonal mean % diff for Jul



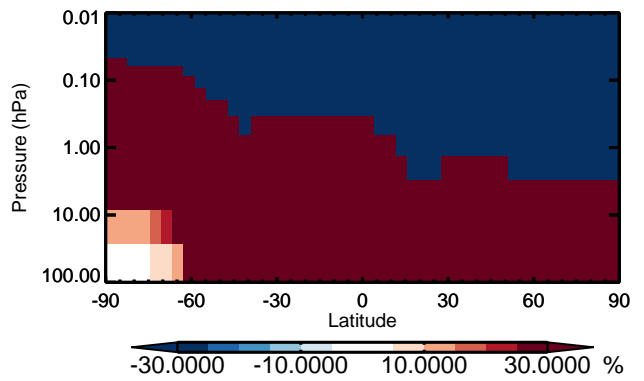
v11-01 - v10-01

GLYC - Strat zonal mean abs diff for Jul



v11-01 / v10-01

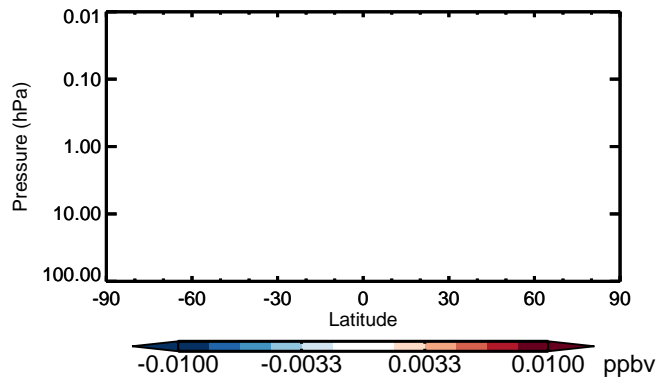
GLYC - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

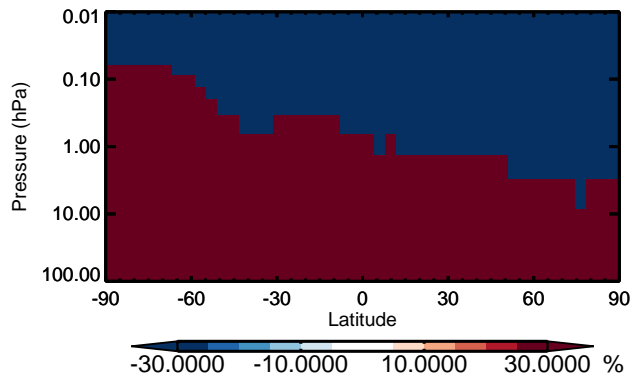
v11-01 - v10-01

MVKN - Strat zonal mean abs diff for Jul



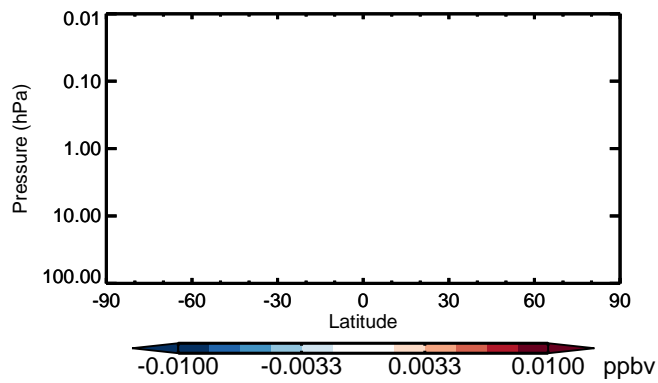
v11-01 / v10-01

MVKN - Strat zonal mean % diff for Jul



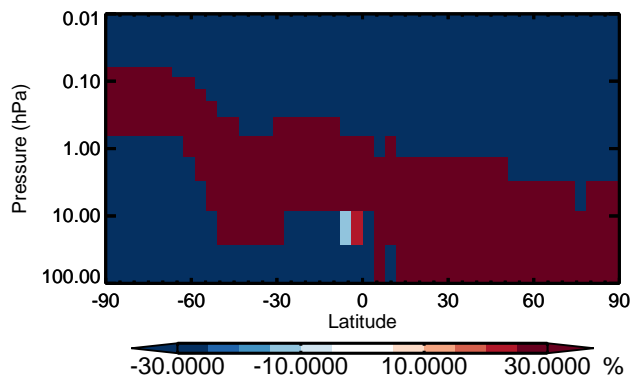
v11-01 - v10-01

MACRN - Strat zonal mean abs diff for Jul



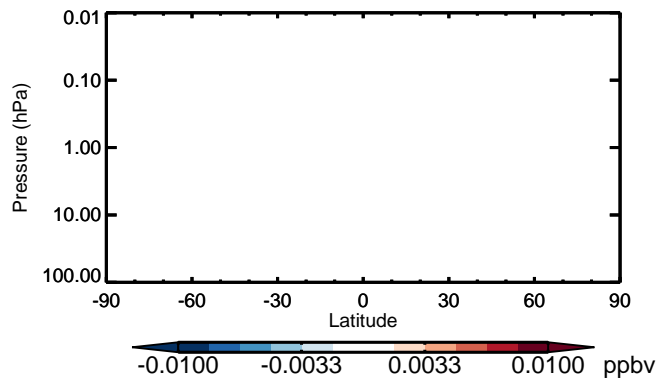
v11-01 / v10-01

MACRN - Strat zonal mean % diff for Jul



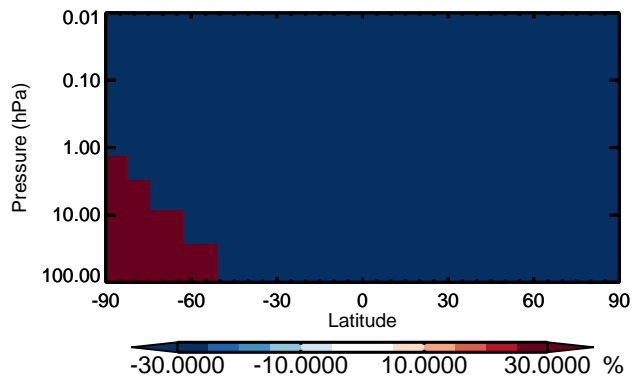
v11-01 - v10-01

RIP - Strat zonal mean abs diff for Jul

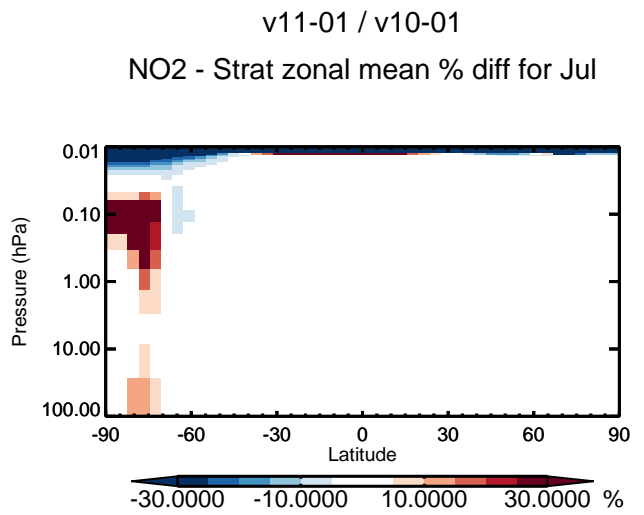
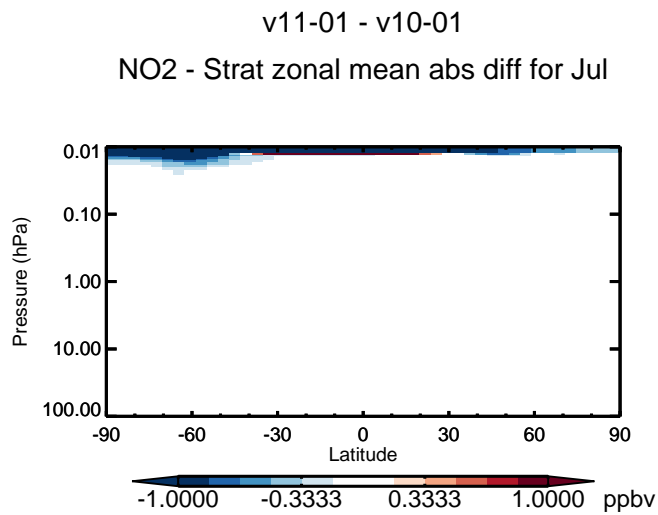
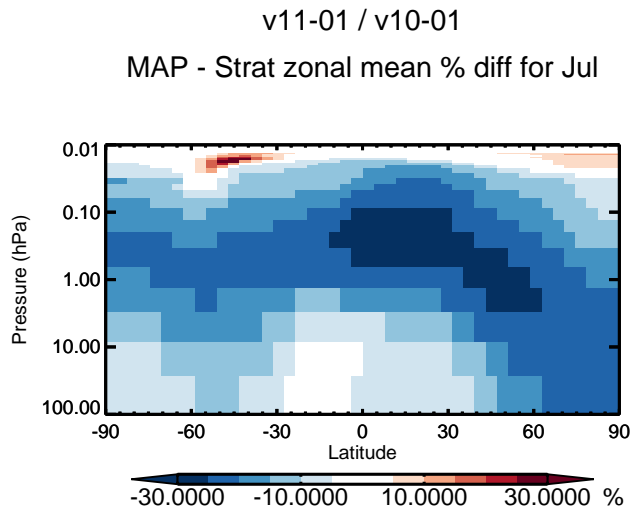
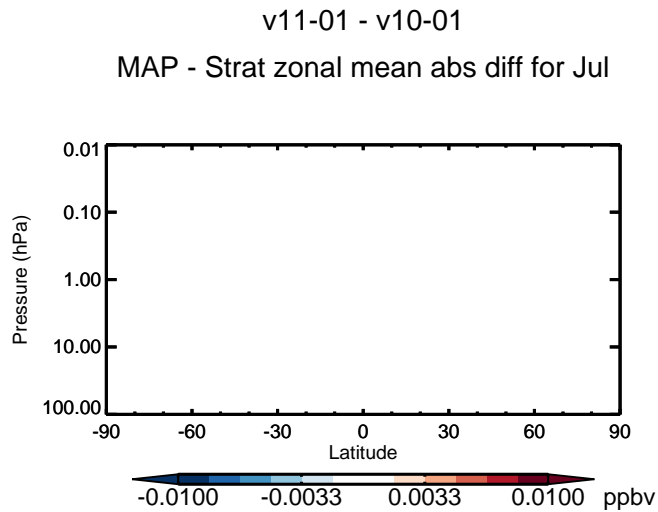
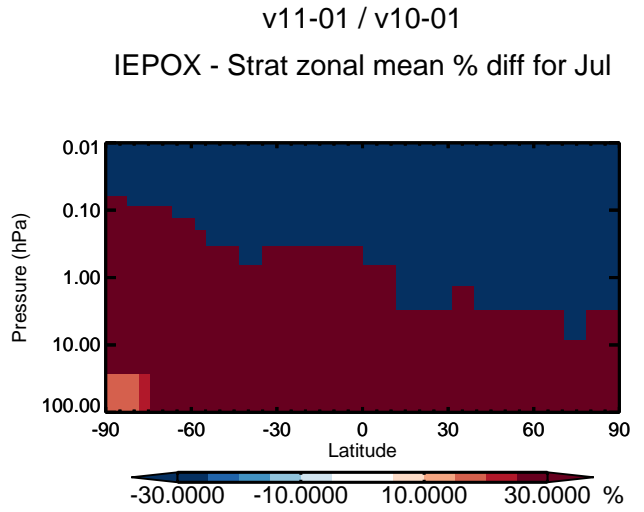
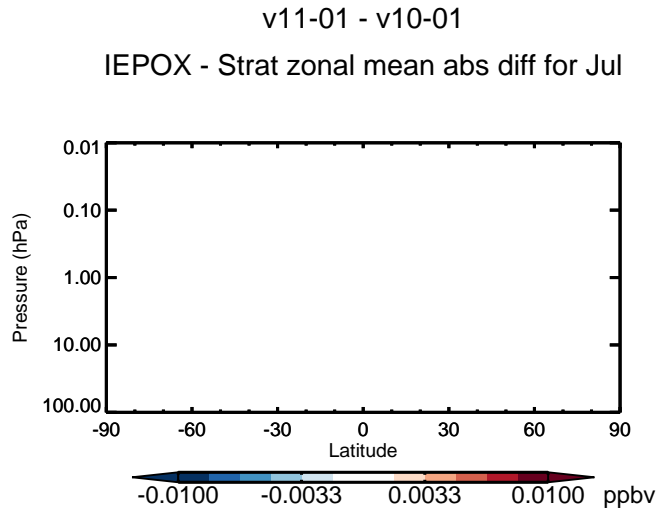


v11-01 / v10-01

RIP - Strat zonal mean % diff for Jul



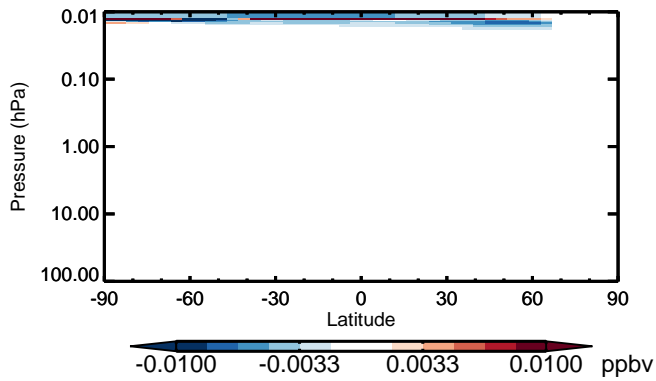
GEOS-Chem Stratospheric Zonal Difference Maps



GEOS-Chem Stratospheric Zonal Difference Maps

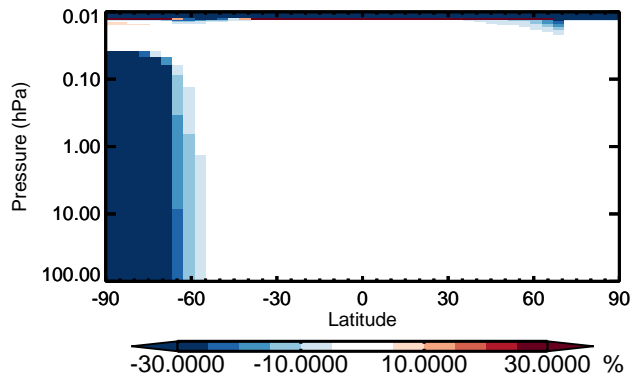
v11-01 - v10-01

NO₃ - Strat zonal mean abs diff for Jul



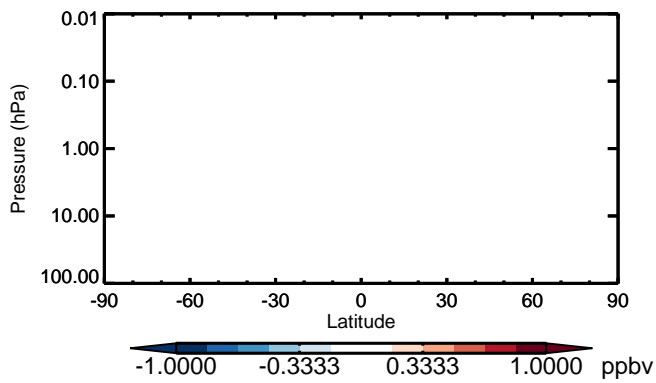
v11-01 / v10-01

NO₃ - Strat zonal mean % diff for Jul



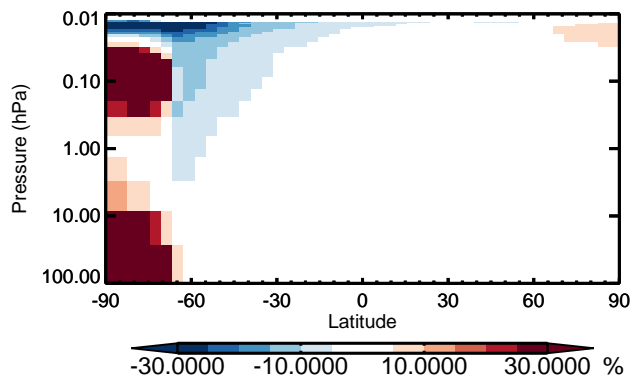
v11-01 - v10-01

HNO₂ - Strat zonal mean abs diff for Jul



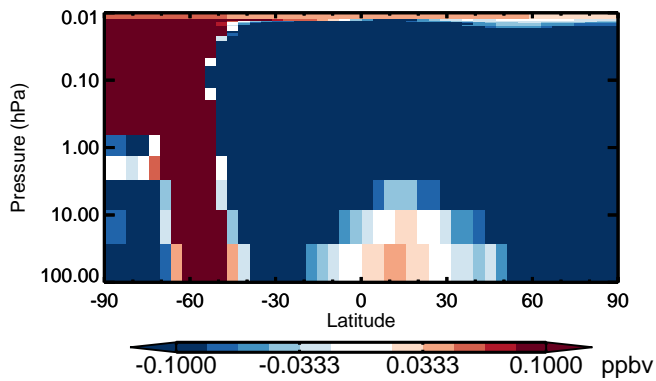
v11-01 / v10-01

HNO₂ - Strat zonal mean % diff for Jul



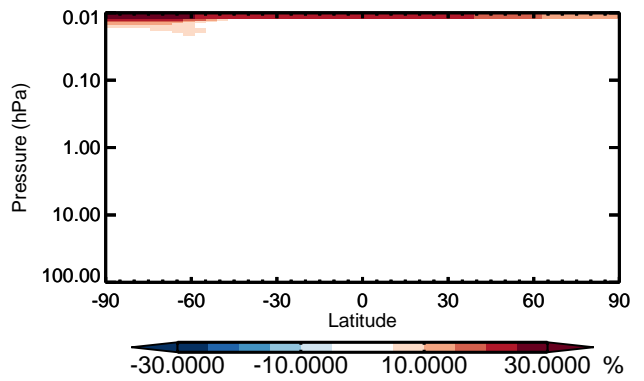
v11-01 - v10-01

N₂O - Strat zonal mean abs diff for Jul



v11-01 / v10-01

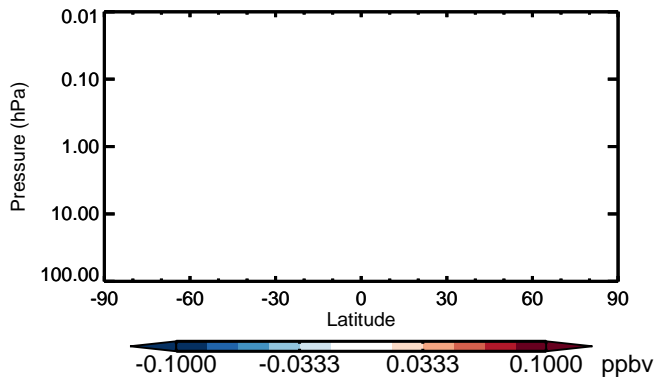
N₂O - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

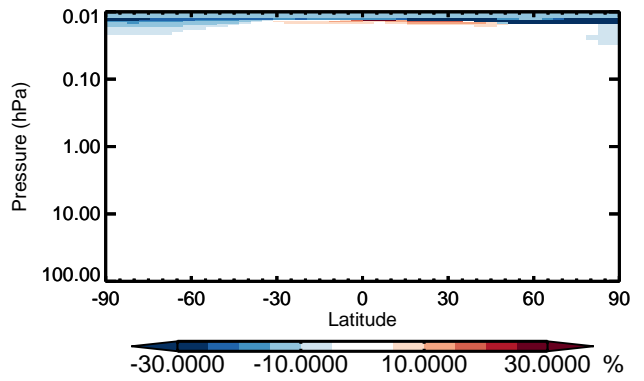
v11-01 - v10-01

OCS - Strat zonal mean abs diff for Jul



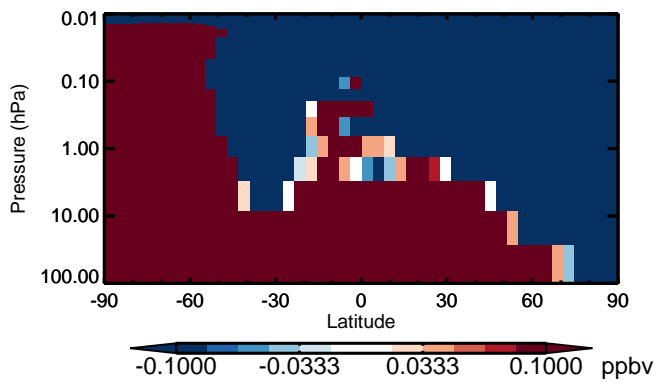
v11-01 / v10-01

OCS - Strat zonal mean % diff for Jul



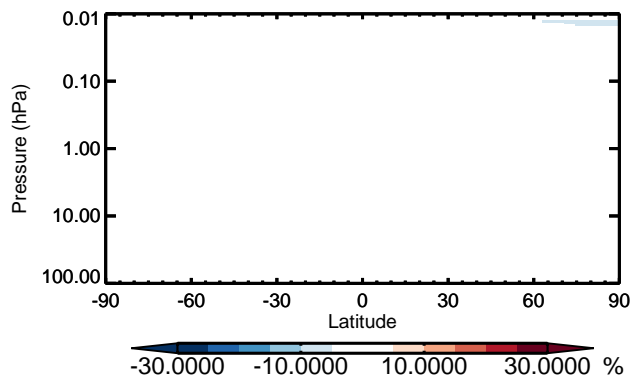
v11-01 - v10-01

CH4 - Strat zonal mean abs diff for Jul



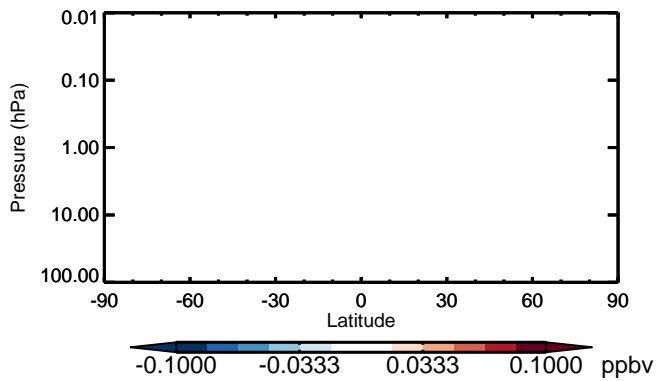
v11-01 / v10-01

CH4 - Strat zonal mean % diff for Jul



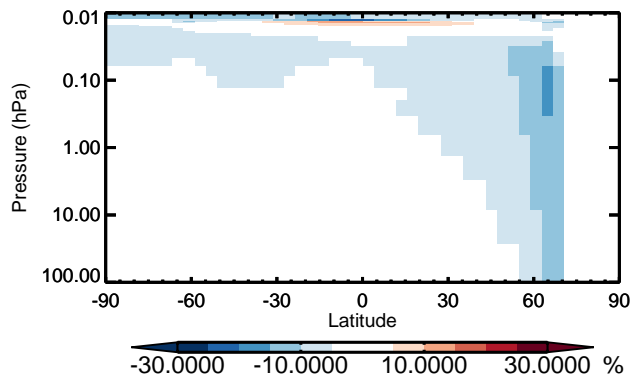
v11-01 - v10-01

BrCl - Strat zonal mean abs diff for Jul



v11-01 / v10-01

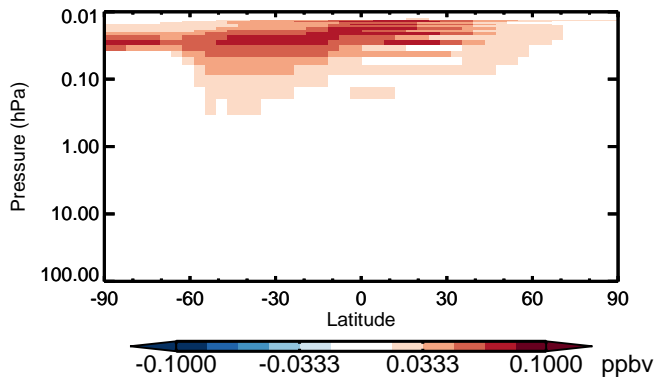
BrCl - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

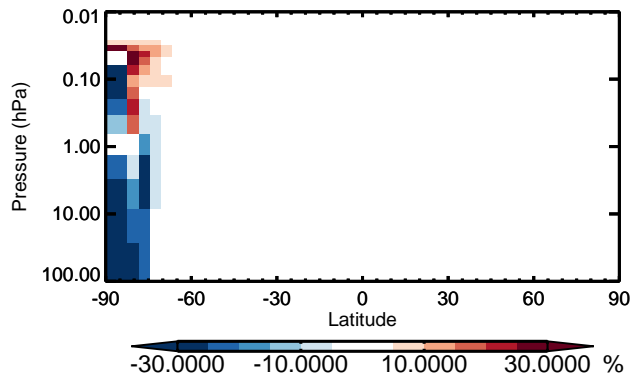
v11-01 - v10-01

HCl - Strat zonal mean abs diff for Jul



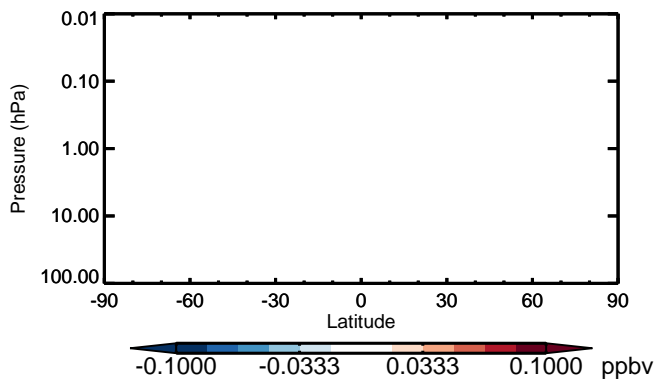
v11-01 / v10-01

HCl - Strat zonal mean % diff for Jul



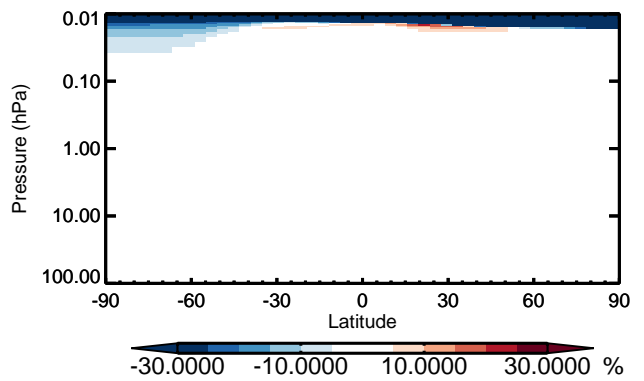
v11-01 - v10-01

CCl4 - Strat zonal mean abs diff for Jul



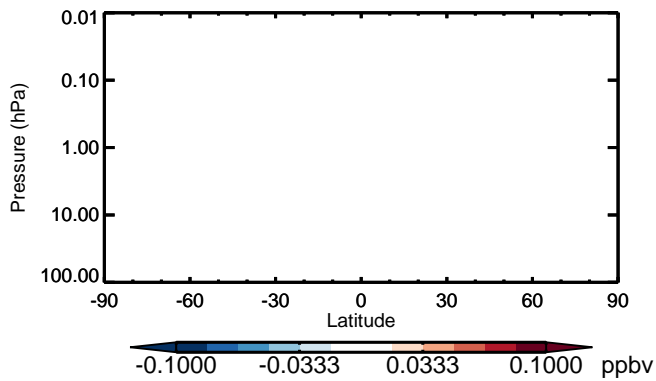
v11-01 / v10-01

CCl4 - Strat zonal mean % diff for Jul



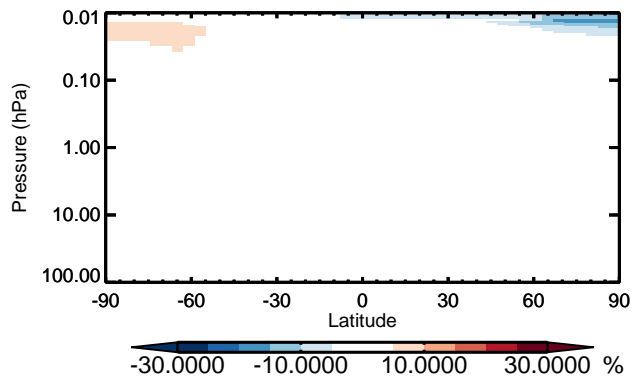
v11-01 - v10-01

CH3Cl - Strat zonal mean abs diff for Jul

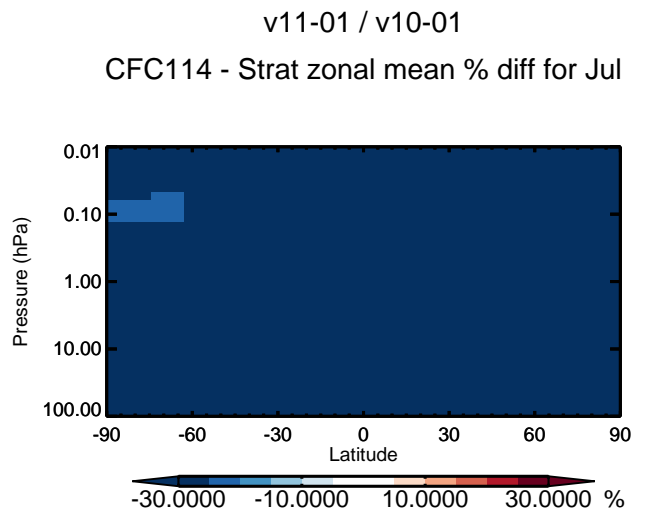
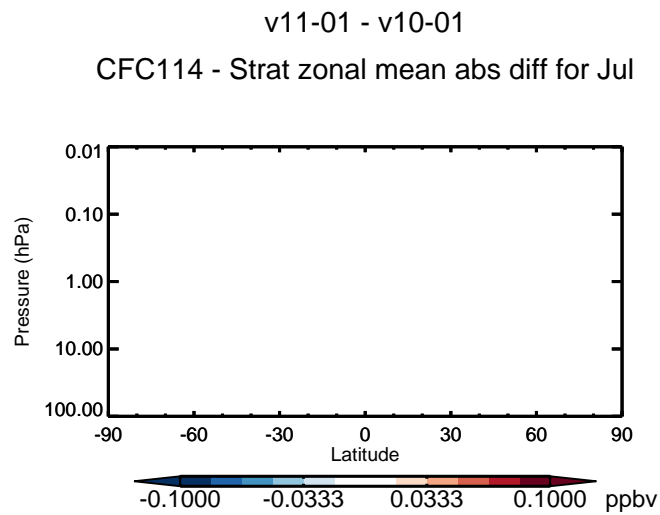
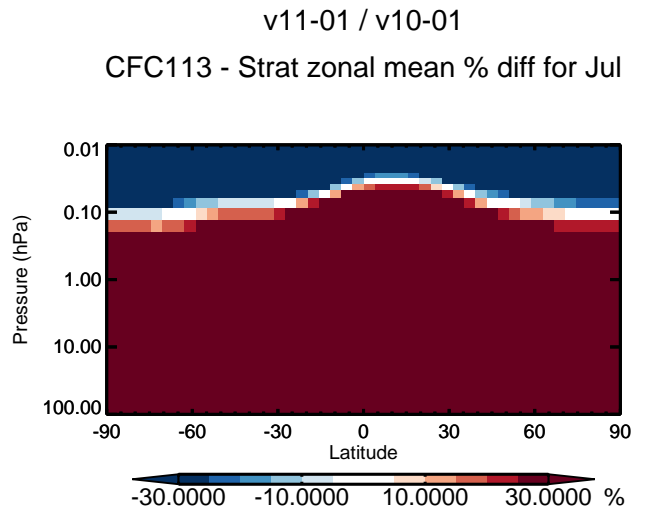
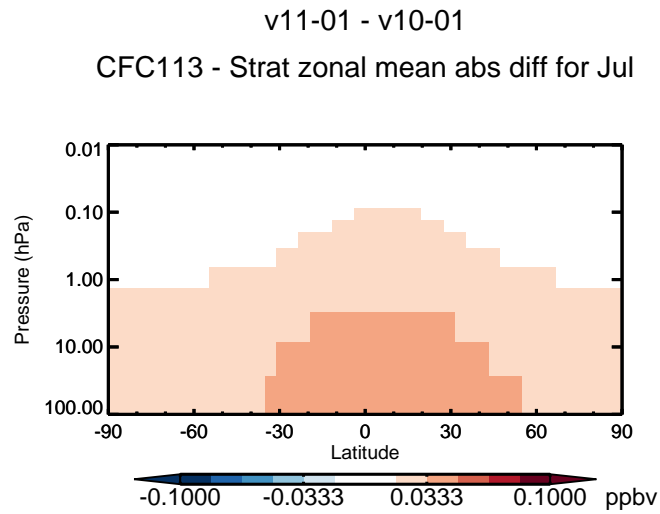
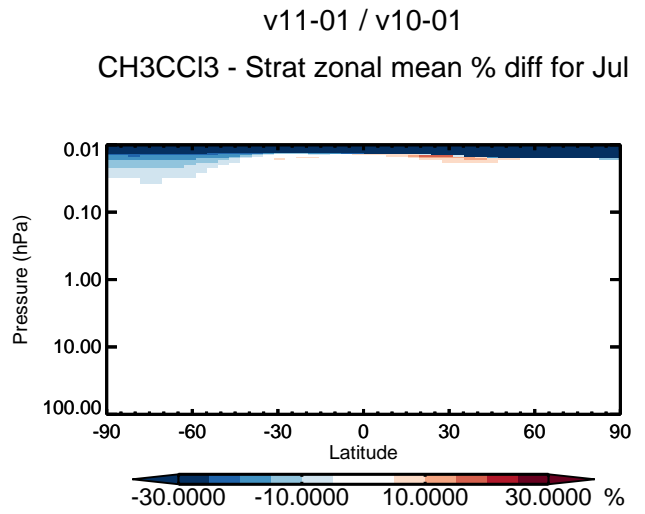
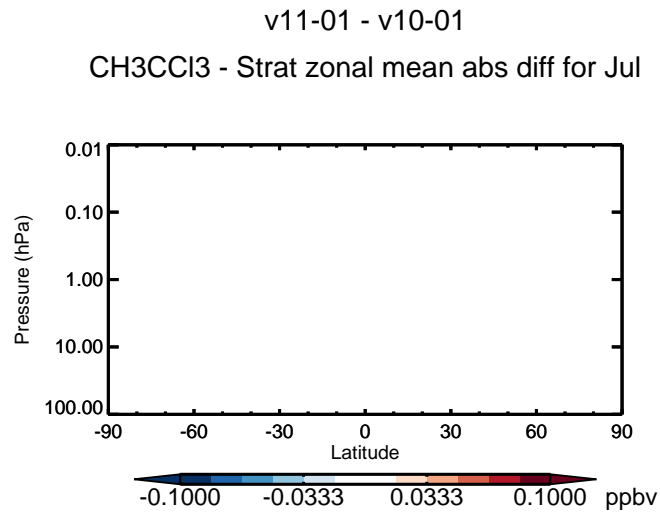


v11-01 / v10-01

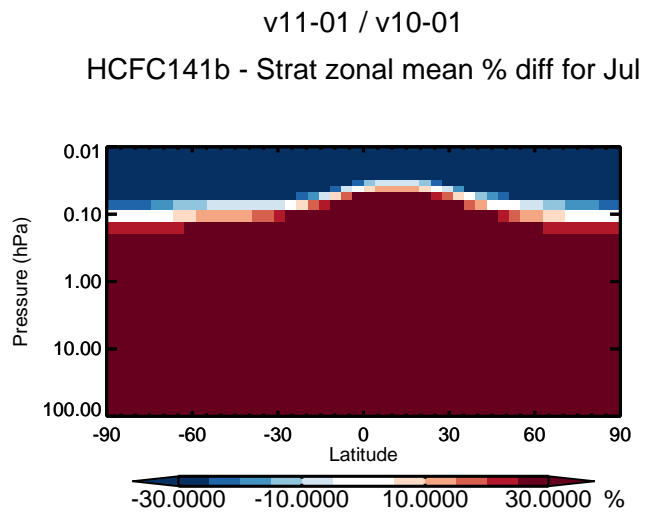
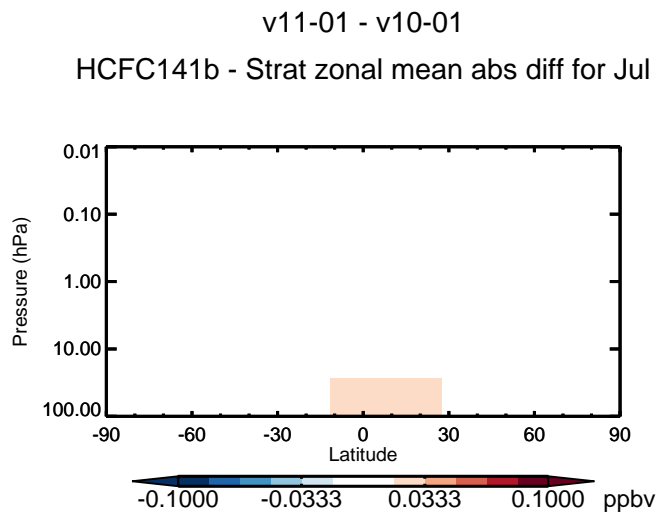
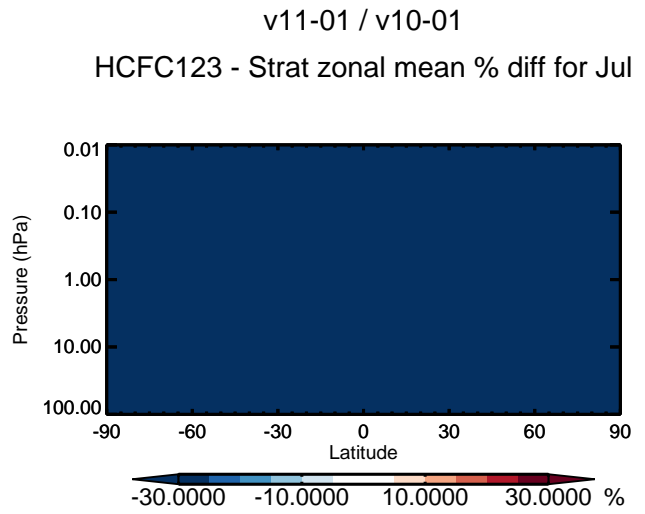
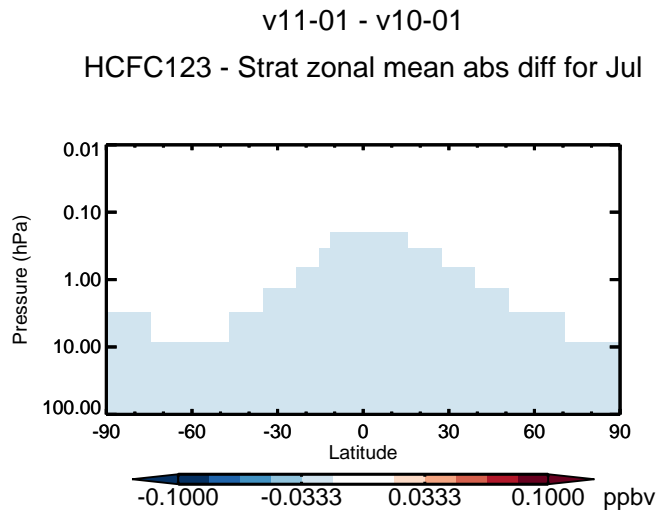
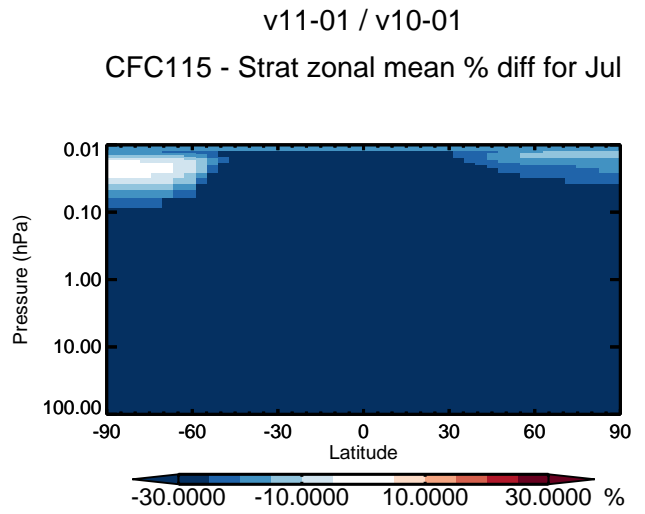
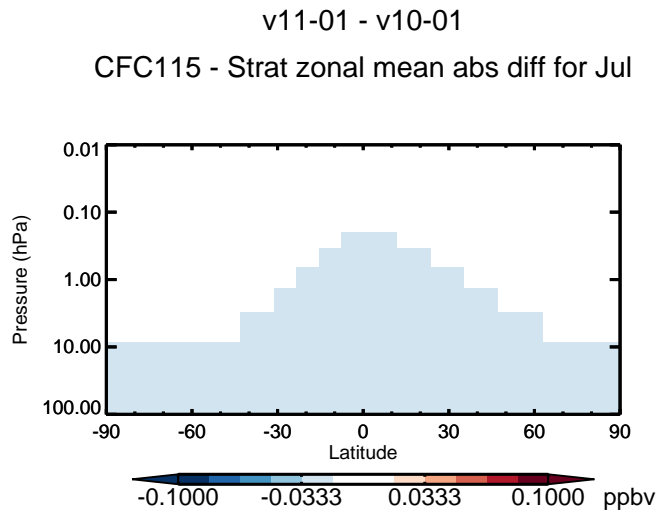
CH3Cl - Strat zonal mean % diff for Jul



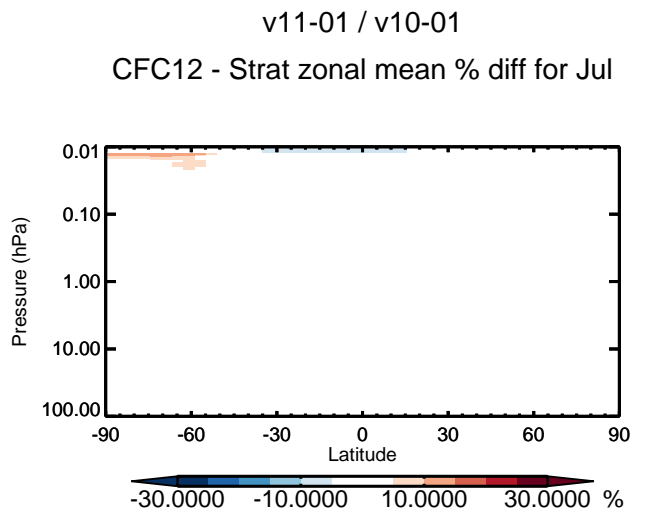
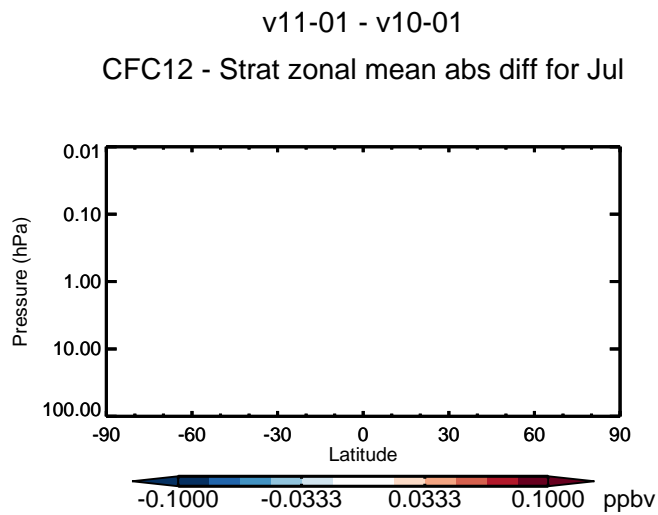
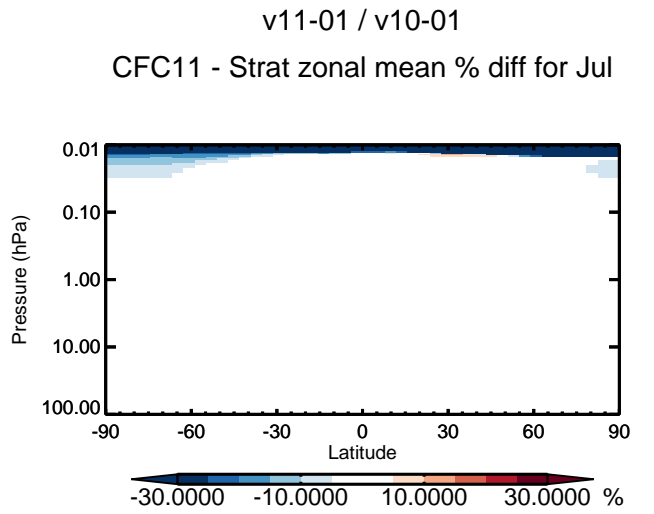
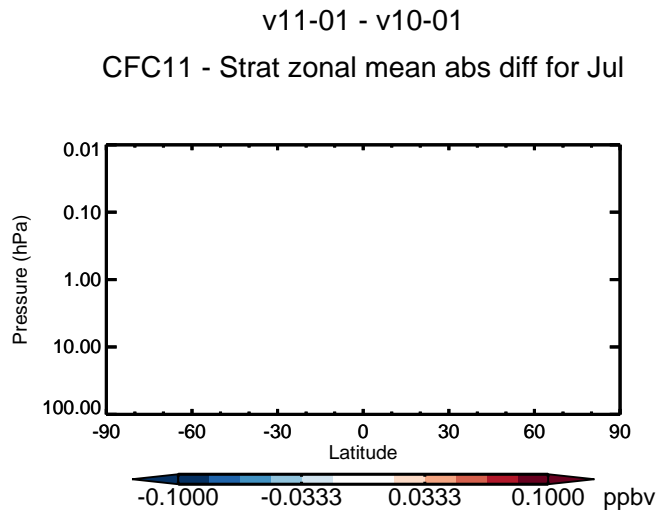
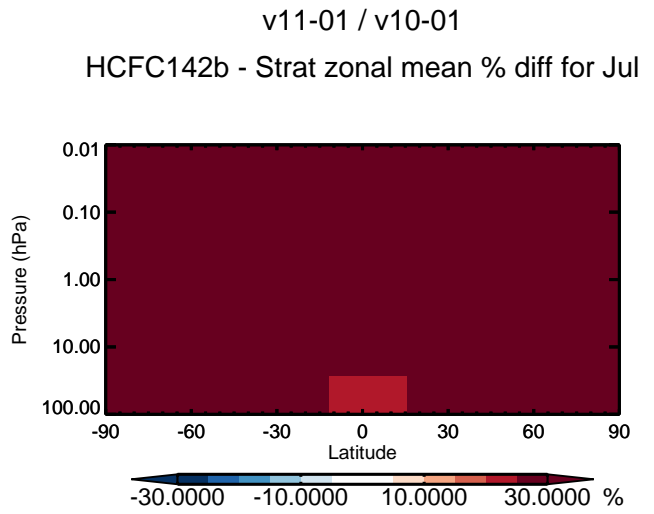
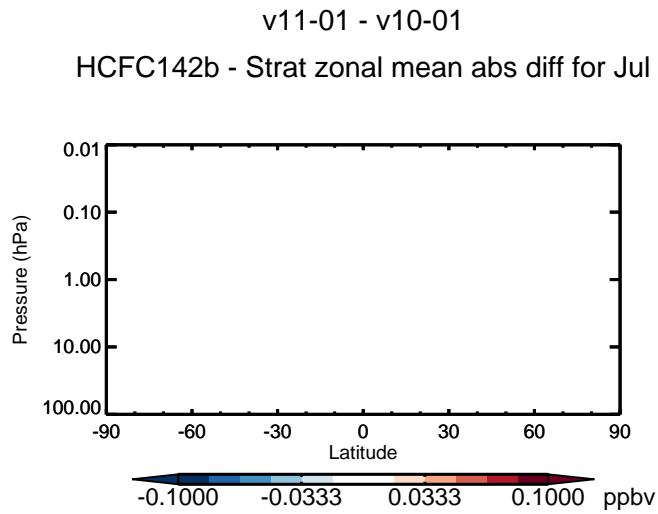
GEOS-Chem Stratospheric Zonal Difference Maps



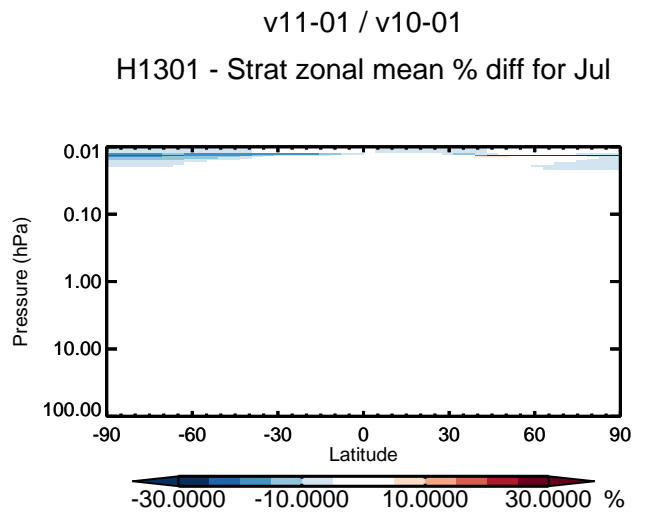
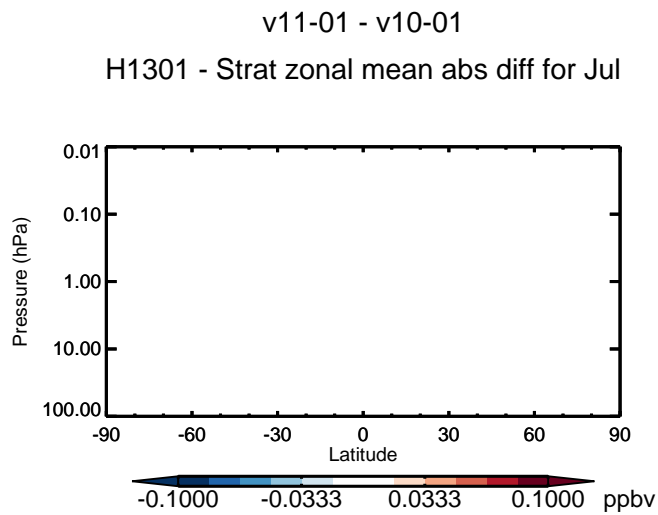
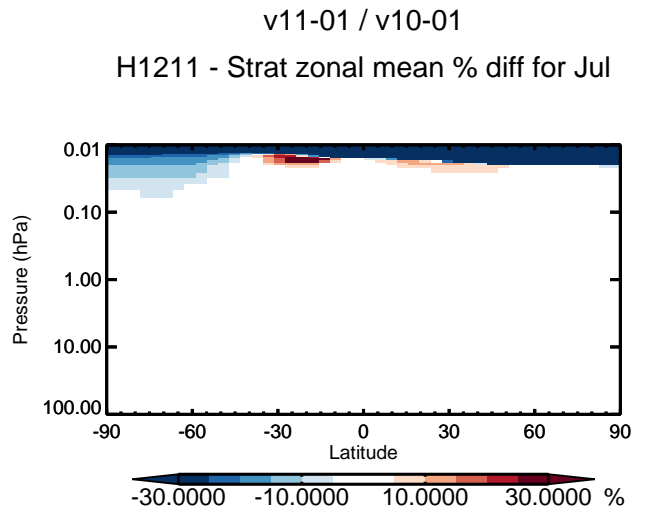
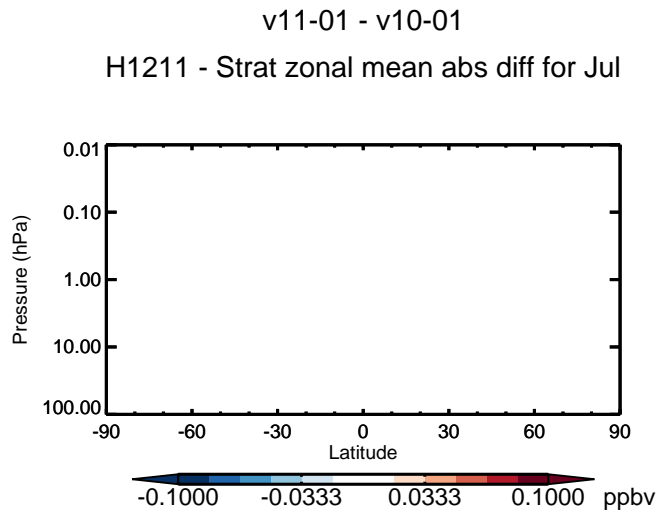
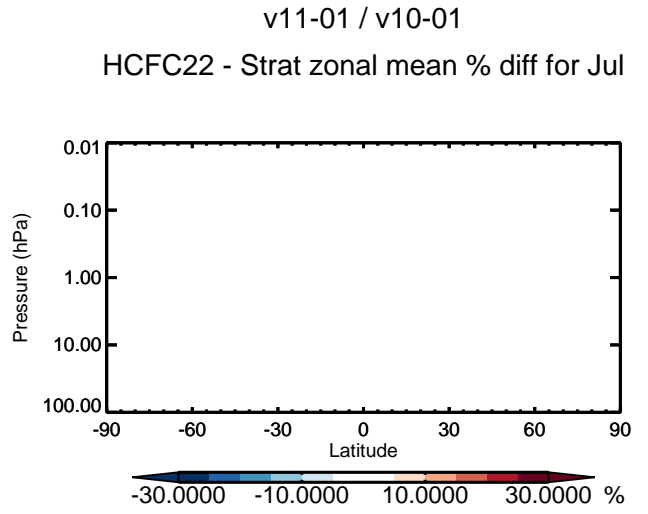
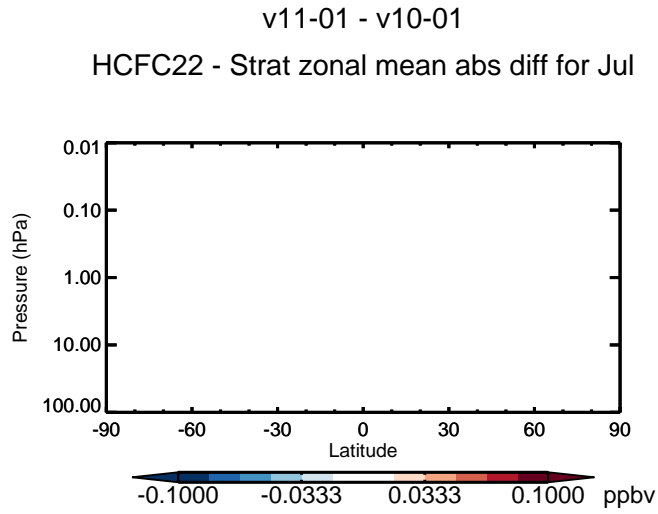
GEOS-Chem Stratospheric Zonal Difference Maps



GEOS-Chem Stratospheric Zonal Difference Maps



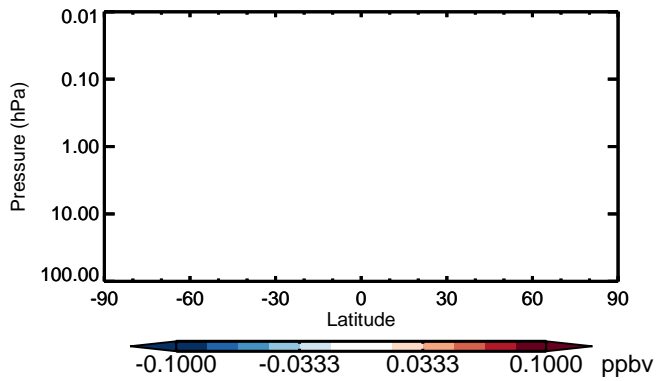
GEOS-Chem Stratospheric Zonal Difference Maps



GEOS-Chem Stratospheric Zonal Difference Maps

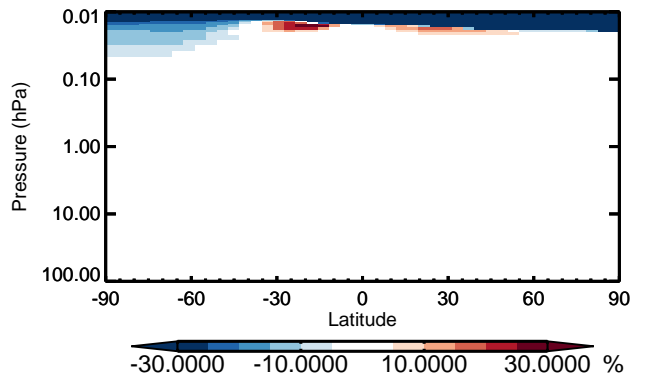
v11-01 - v10-01

H2402 - Strat zonal mean abs diff for Jul



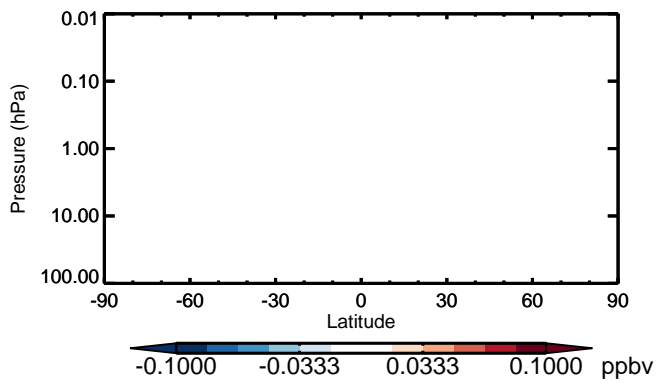
v11-01 / v10-01

H2402 - Strat zonal mean % diff for Jul



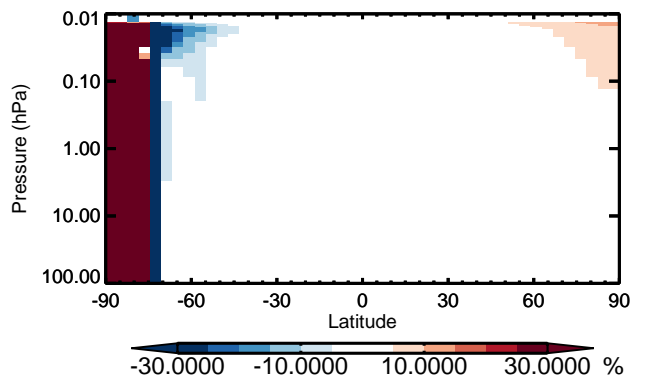
v11-01 - v10-01

Cl - Strat zonal mean abs diff for Jul



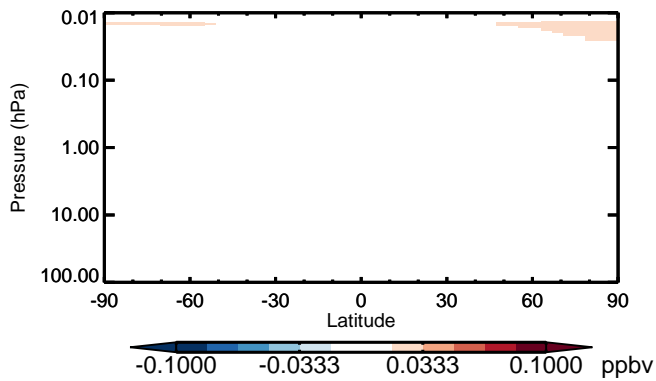
v11-01 / v10-01

Cl - Strat zonal mean % diff for Jul



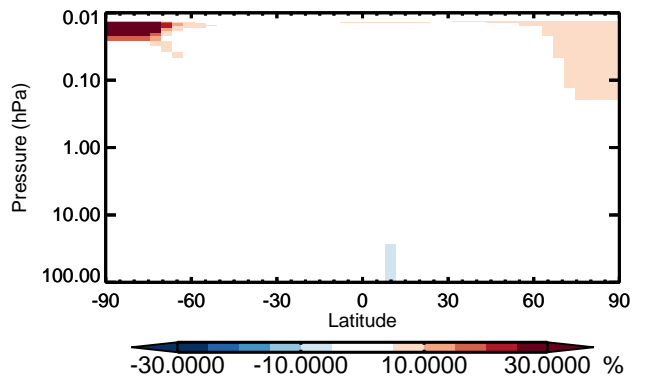
v11-01 - v10-01

ClO - Strat zonal mean abs diff for Jul



v11-01 / v10-01

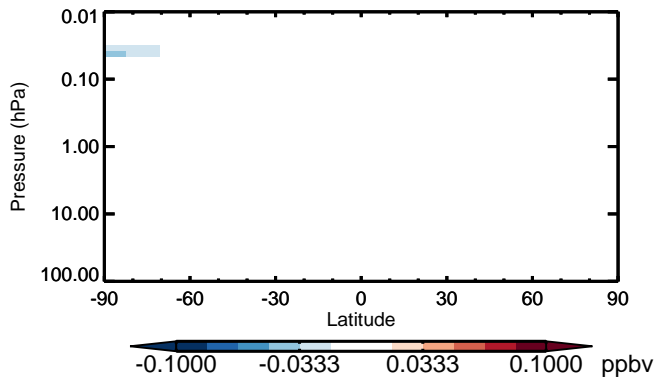
ClO - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

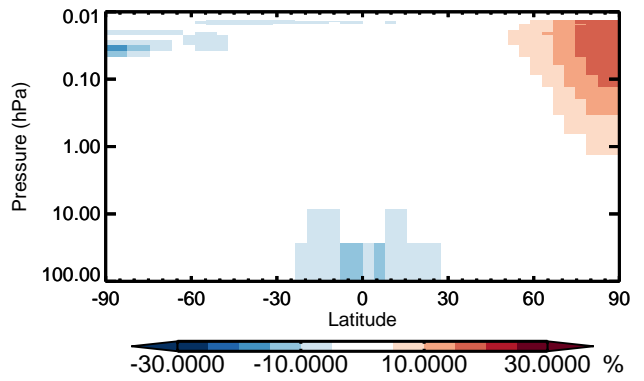
v11-01 - v10-01

HOCl - Strat zonal mean abs diff for Jul



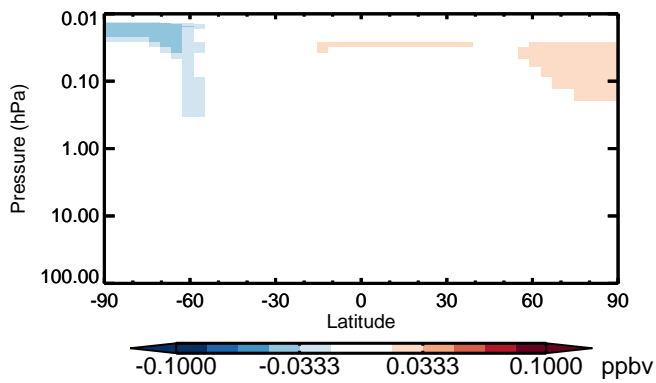
v11-01 / v10-01

HOCl - Strat zonal mean % diff for Jul



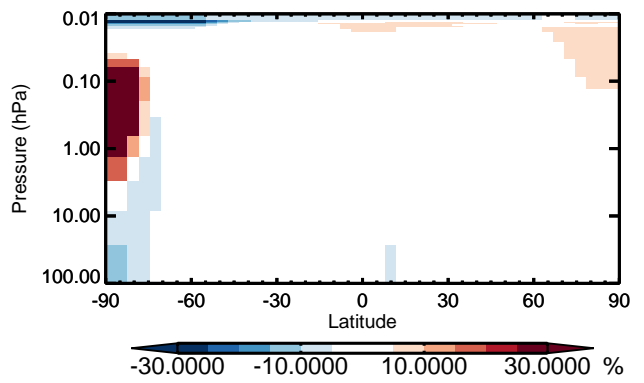
v11-01 - v10-01

CINO3 - Strat zonal mean abs diff for Jul



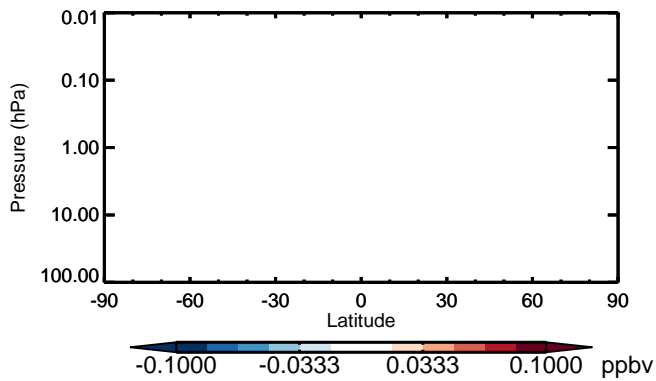
v11-01 / v10-01

CINO3 - Strat zonal mean % diff for Jul



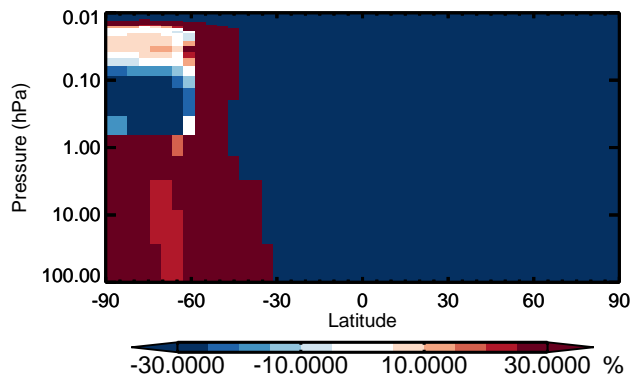
v11-01 - v10-01

CINO2 - Strat zonal mean abs diff for Jul



v11-01 / v10-01

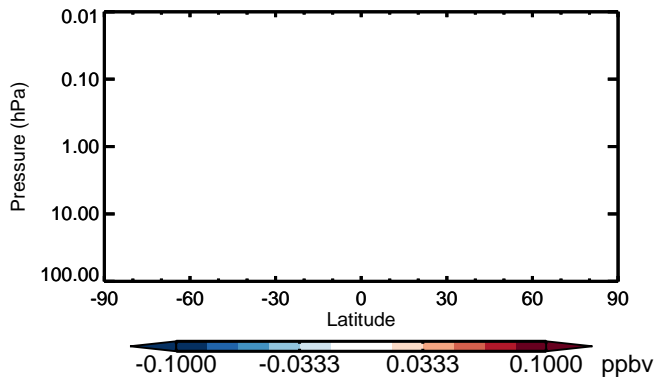
CINO2 - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

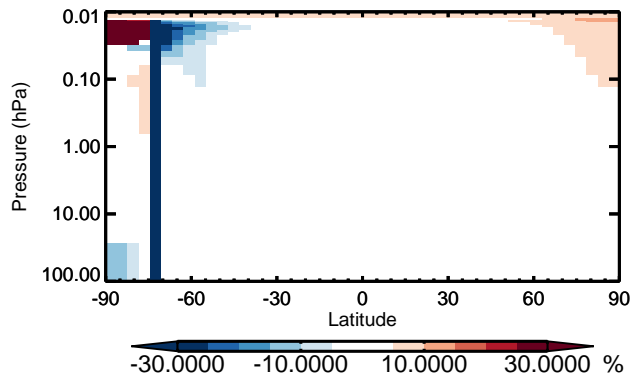
v11-01 - v10-01

CIOO - Strat zonal mean abs diff for Jul



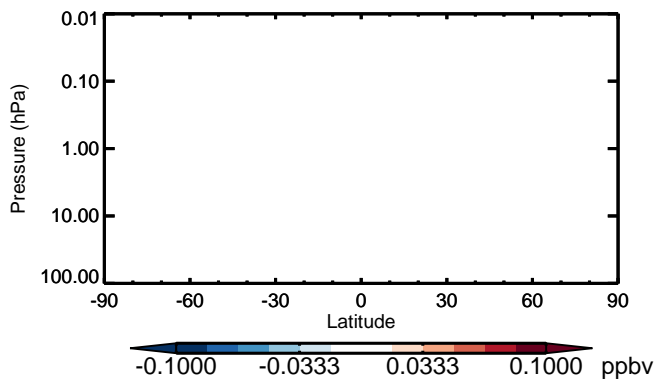
v11-01 / v10-01

CIOO - Strat zonal mean % diff for Jul



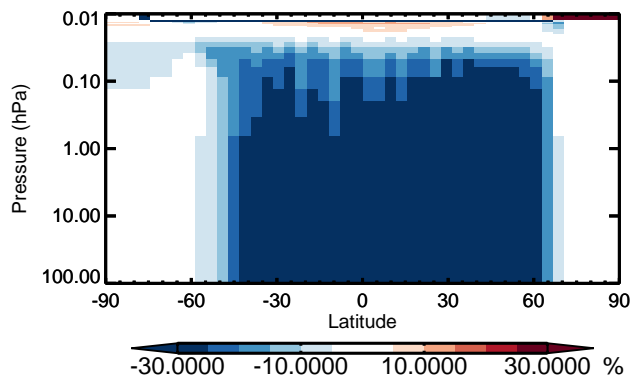
v11-01 - v10-01

OCIO - Strat zonal mean abs diff for Jul



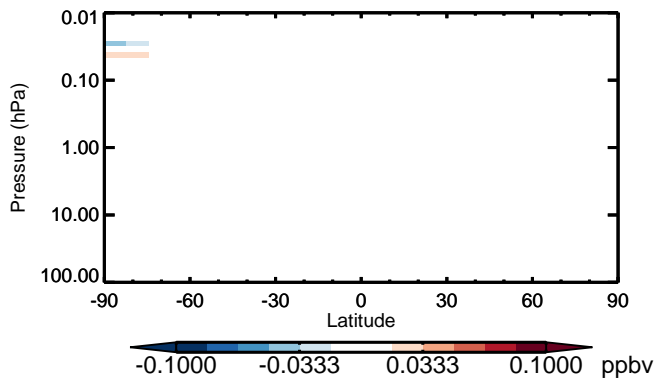
v11-01 / v10-01

OCIO - Strat zonal mean % diff for Jul



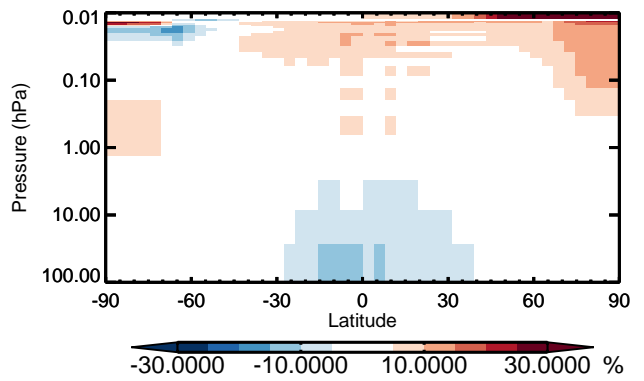
v11-01 - v10-01

Cl2 - Strat zonal mean abs diff for Jul



v11-01 / v10-01

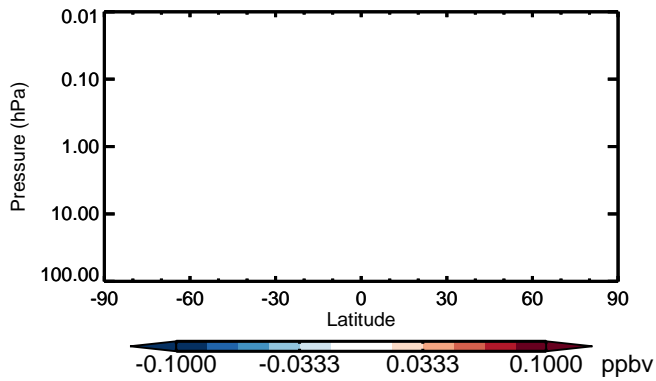
Cl2 - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

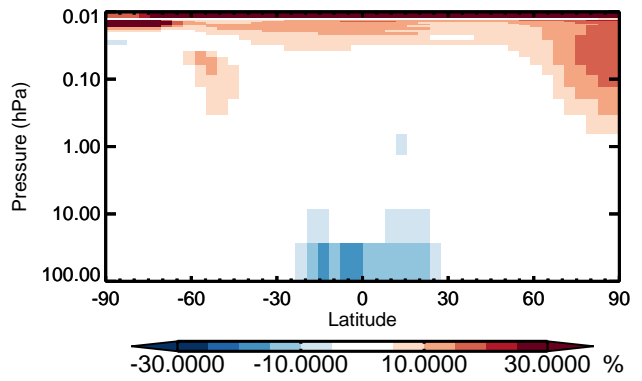
v11-01 - v10-01

Cl₂O₂ - Strat zonal mean abs diff for Jul



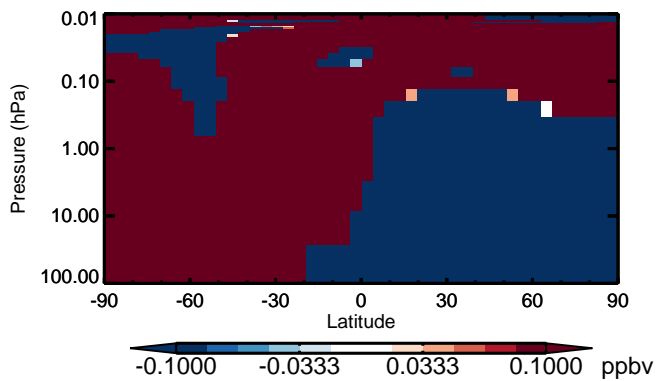
v11-01 / v10-01

Cl₂O₂ - Strat zonal mean % diff for Jul



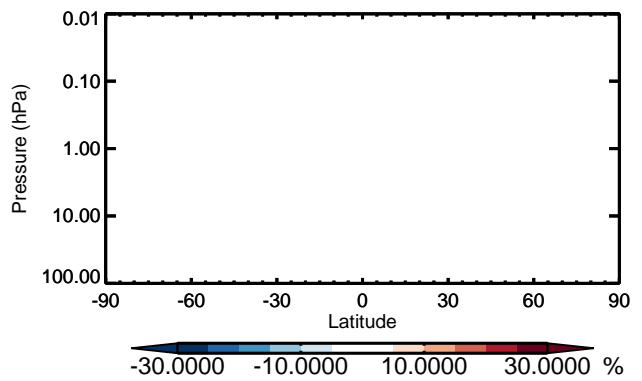
v11-01 - v10-01

H₂O - Strat zonal mean abs diff for Jul



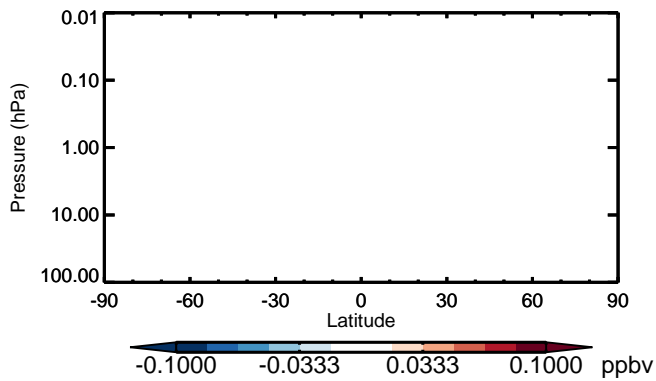
v11-01 / v10-01

H₂O - Strat zonal mean % diff for Jul



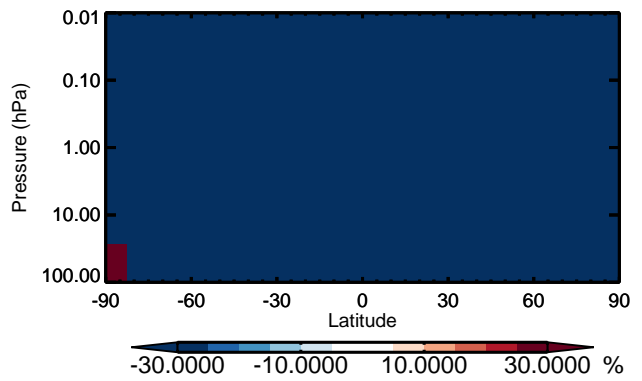
v11-01 - v10-01

MTPA - Strat zonal mean abs diff for Jul



v11-01 / v10-01

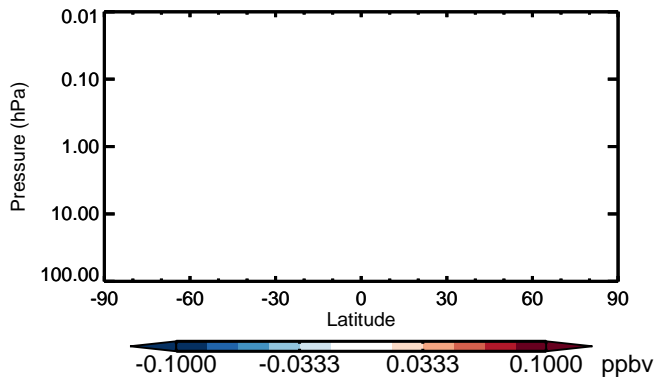
MTPA - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

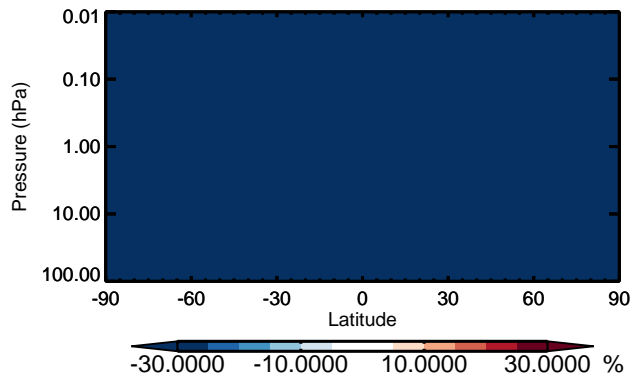
v11-01 - v10-01

LIMO - Strat zonal mean abs diff for Jul



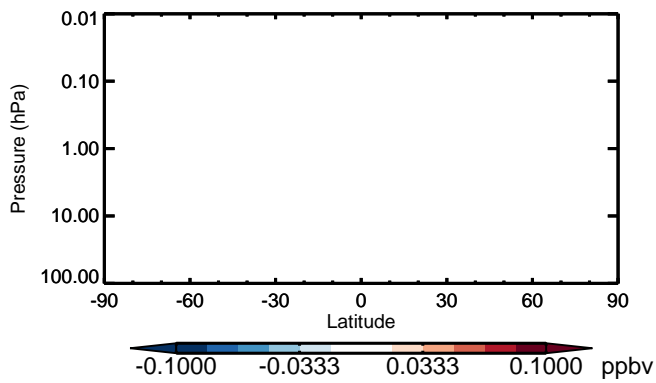
v11-01 / v10-01

LIMO - Strat zonal mean % diff for Jul



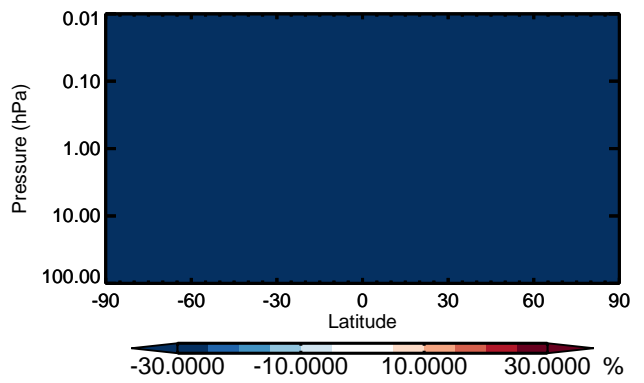
v11-01 - v10-01

MTPO - Strat zonal mean abs diff for Jul



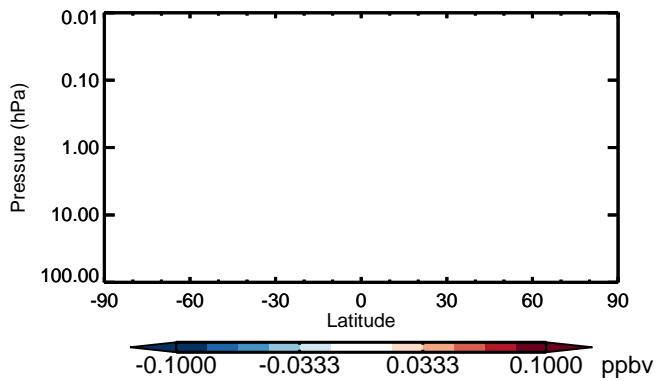
v11-01 / v10-01

MTPO - Strat zonal mean % diff for Jul



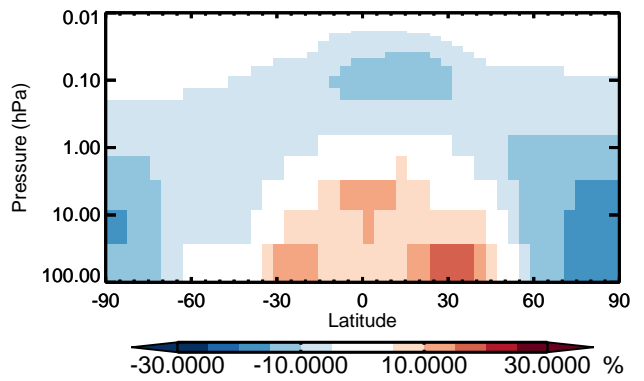
v11-01 - v10-01

TSOG1 - Strat zonal mean abs diff for Jul

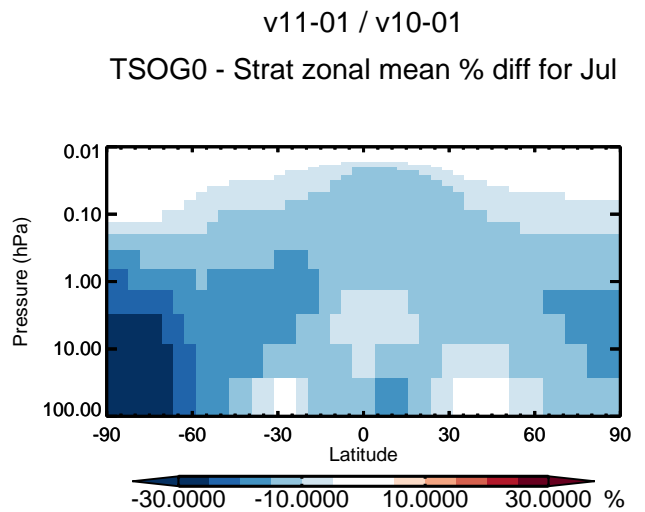
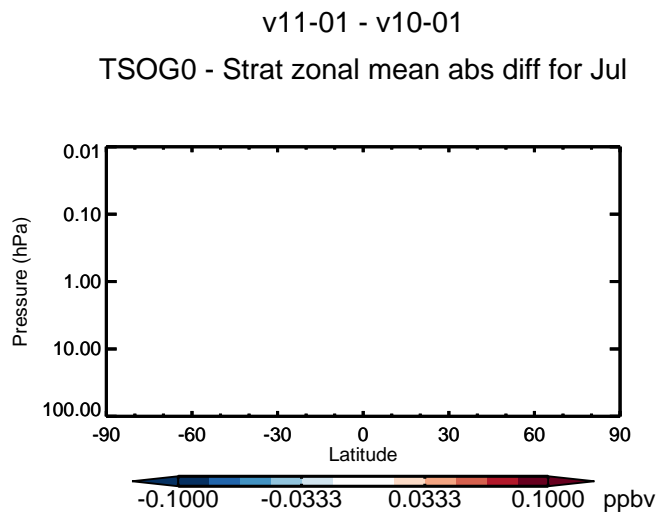
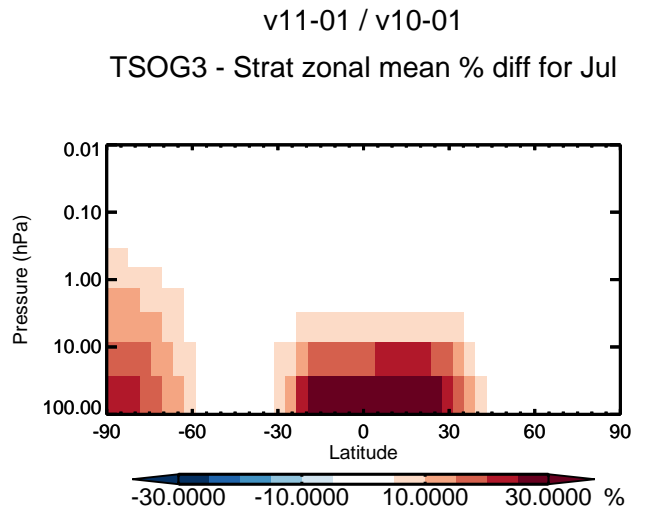
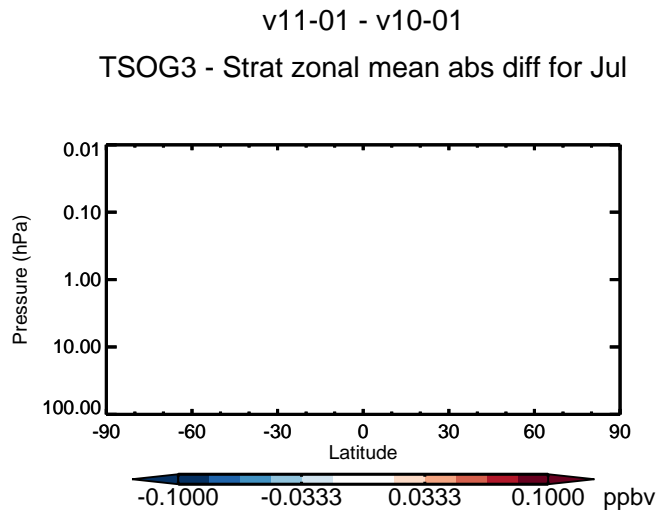
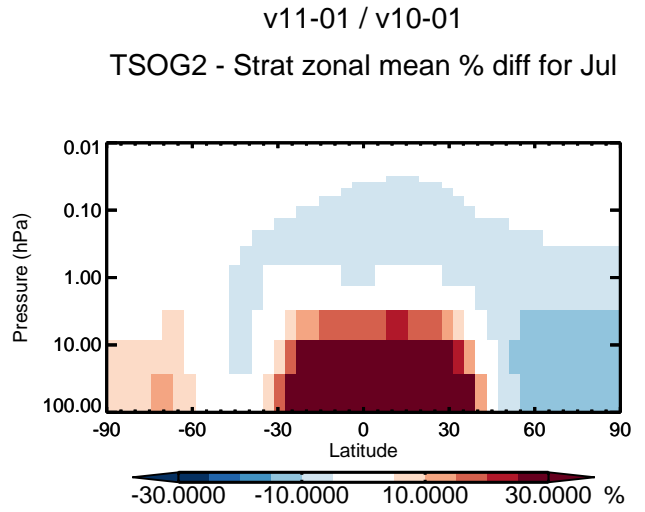
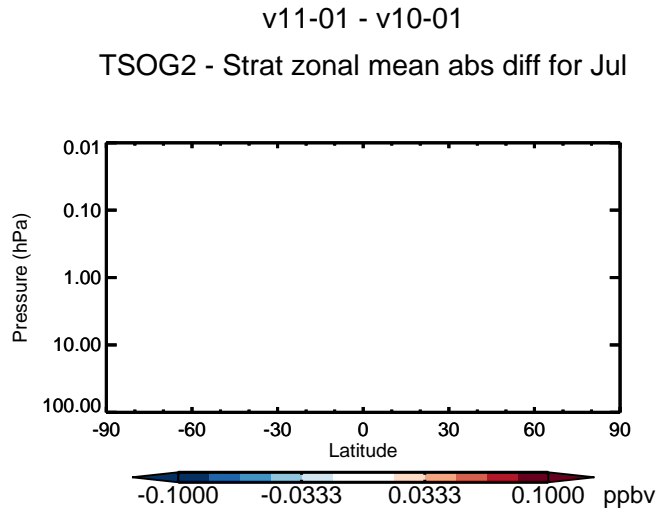


v11-01 / v10-01

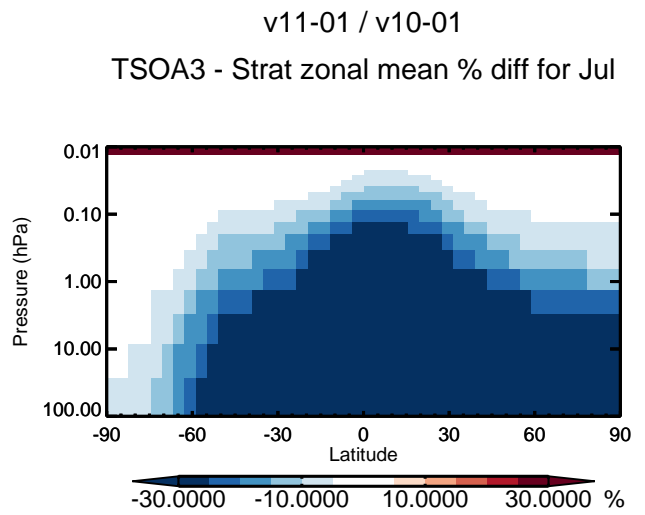
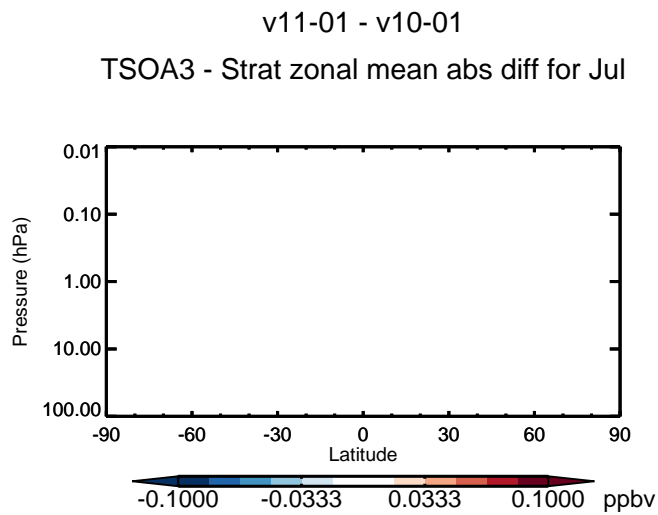
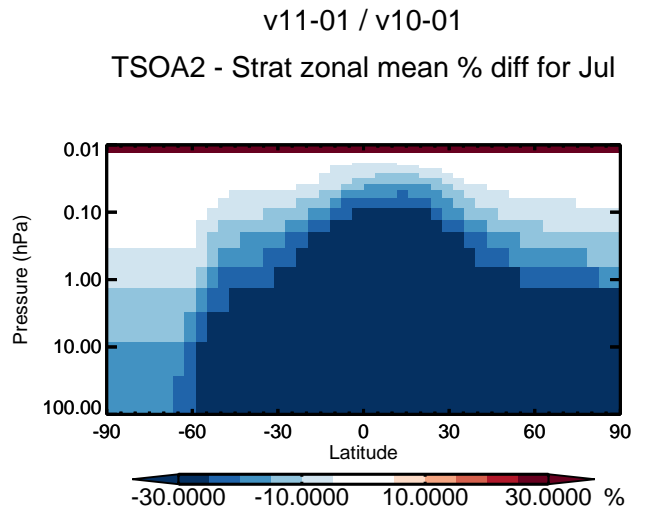
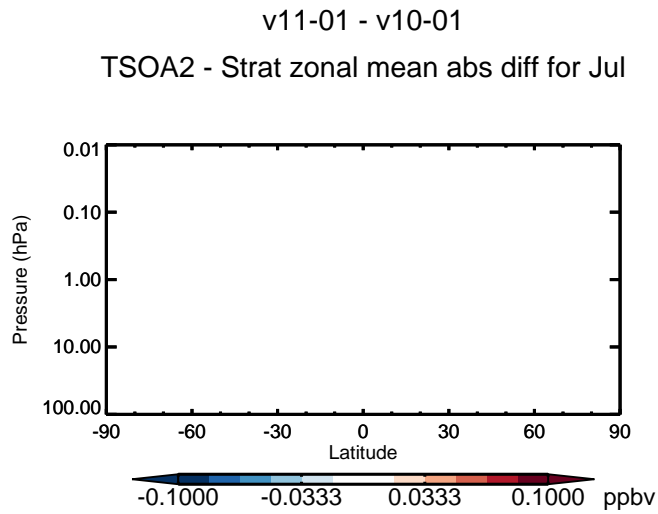
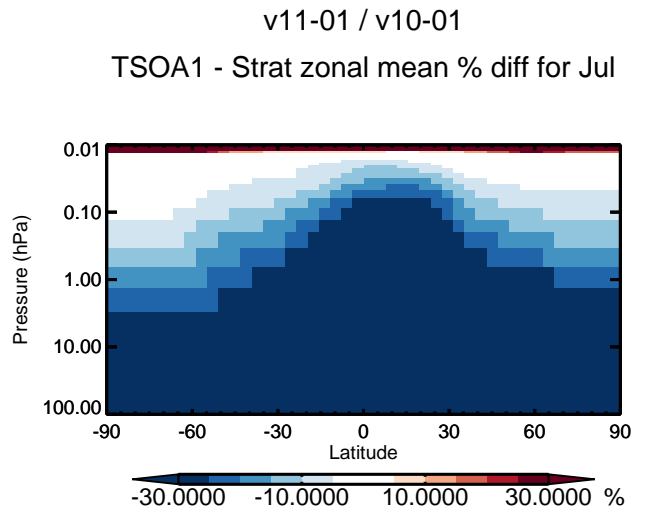
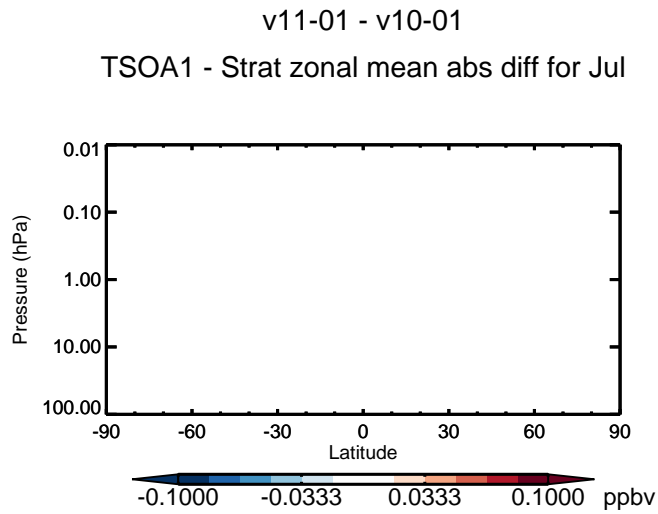
TSOG1 - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps



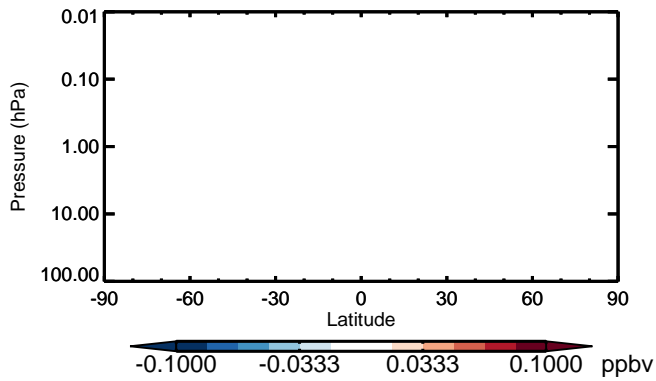
GEOS-Chem Stratospheric Zonal Difference Maps



GEOS-Chem Stratospheric Zonal Difference Maps

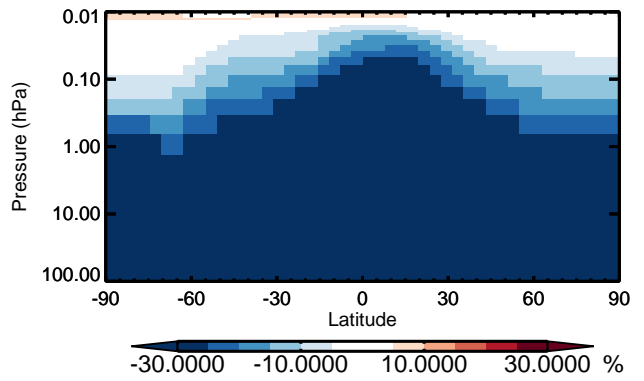
v11-01 - v10-01

TSOA0 - Strat zonal mean abs diff for Jul



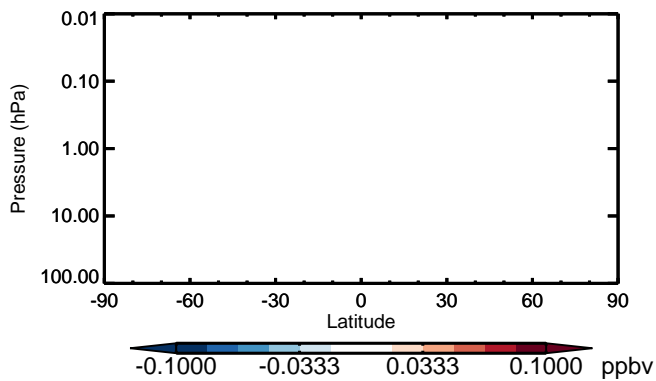
v11-01 / v10-01

TSOA0 - Strat zonal mean % diff for Jul



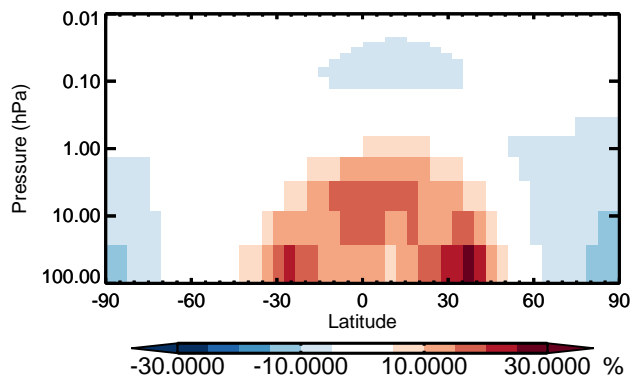
v11-01 - v10-01

ISOG1 - Strat zonal mean abs diff for Jul



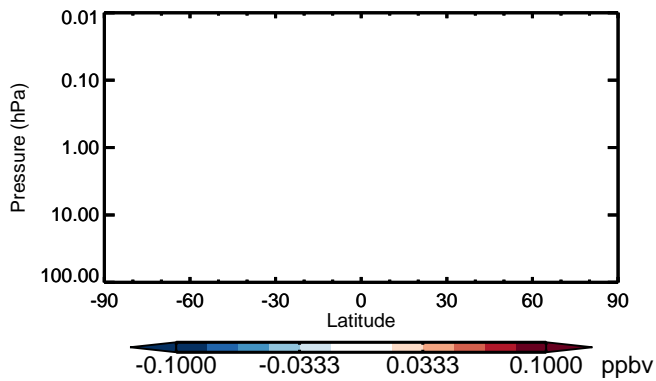
v11-01 / v10-01

ISOG1 - Strat zonal mean % diff for Jul



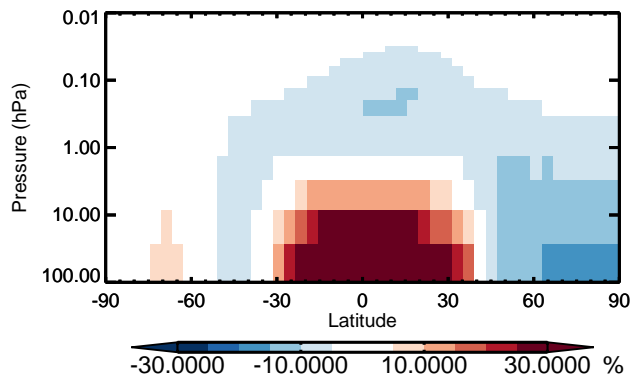
v11-01 - v10-01

ISOG2 - Strat zonal mean abs diff for Jul

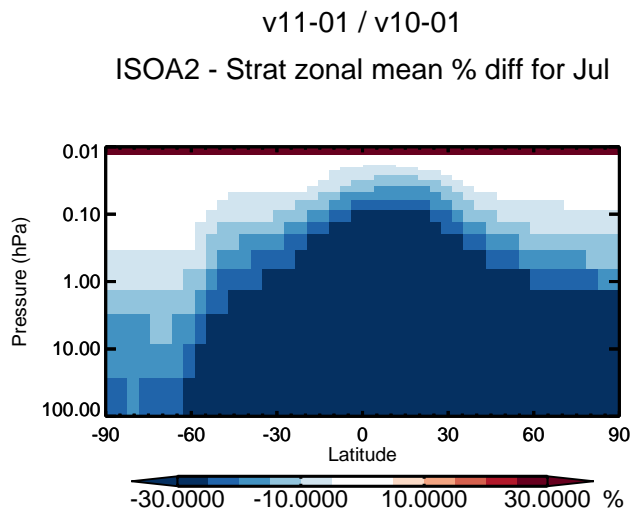
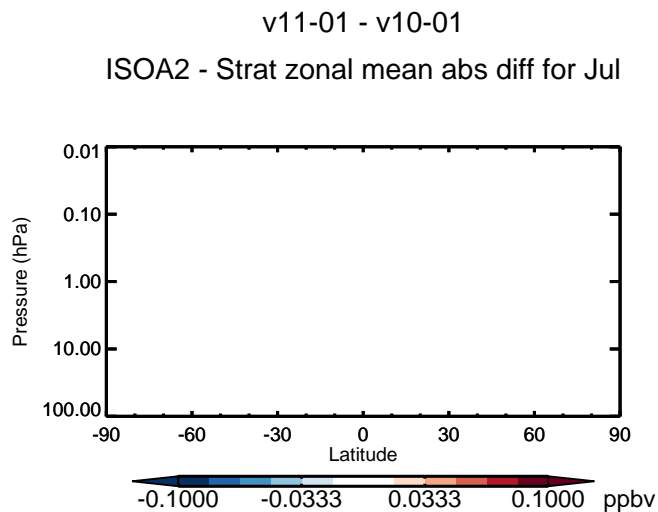
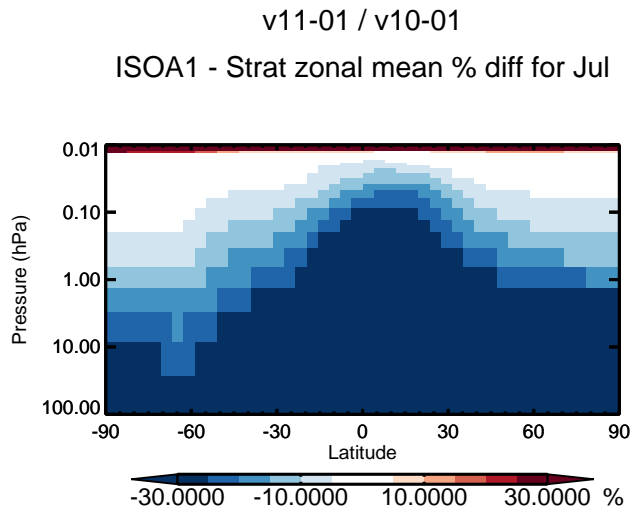
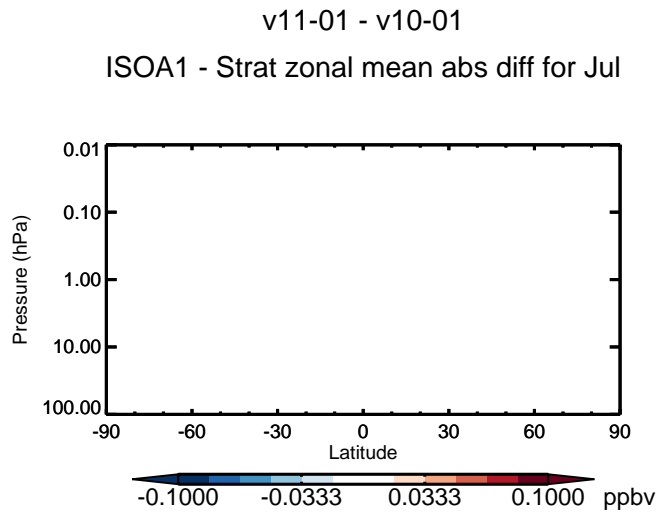
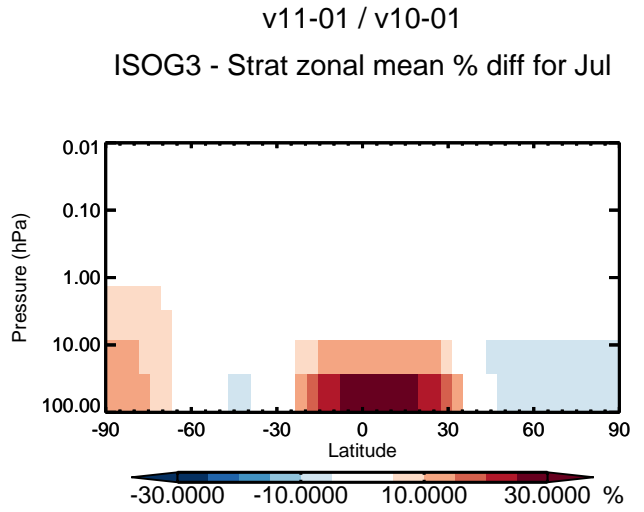
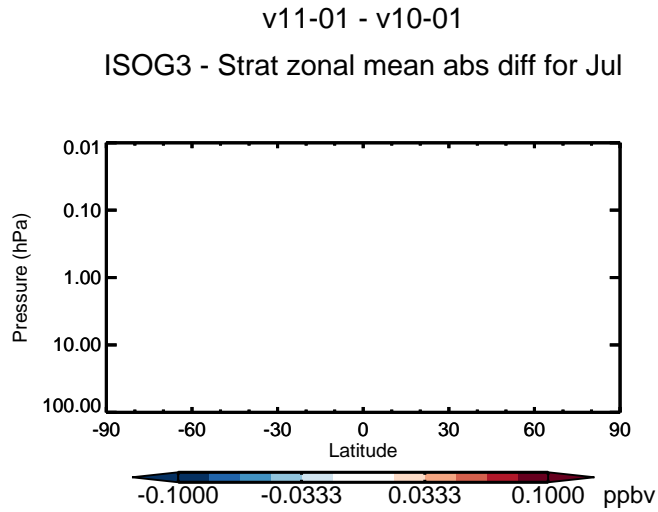


v11-01 / v10-01

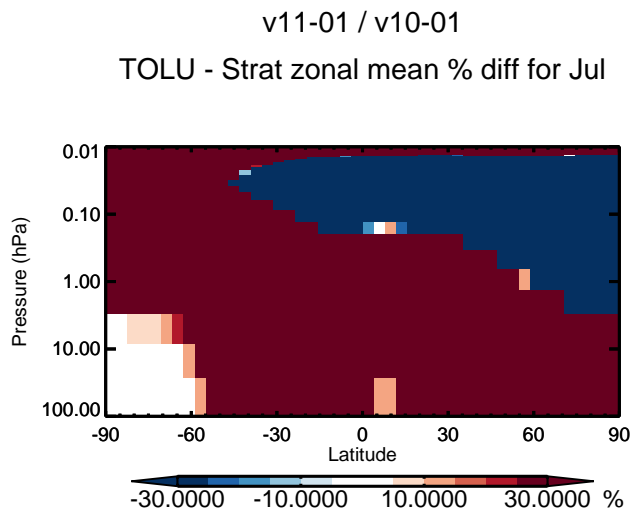
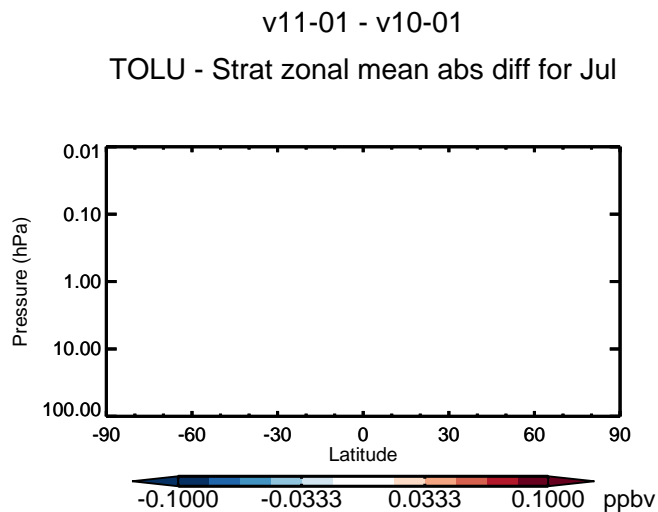
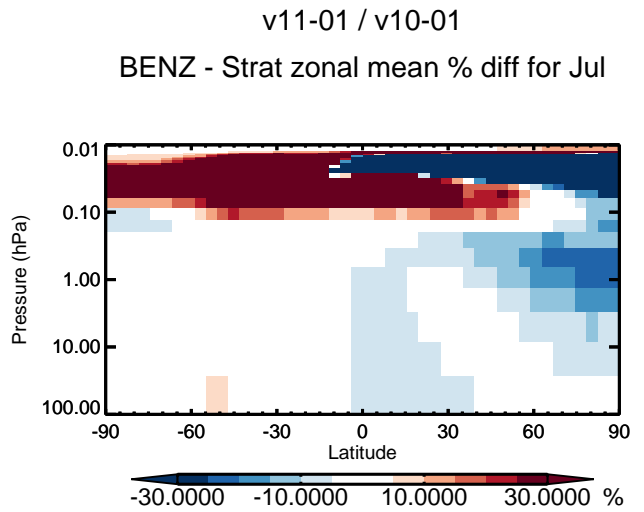
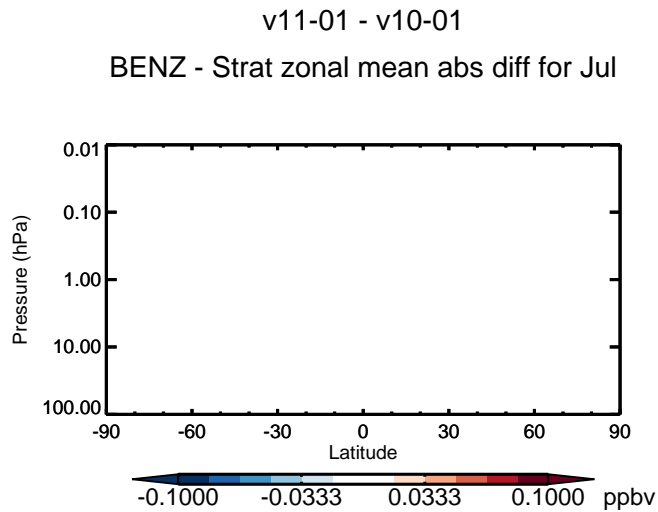
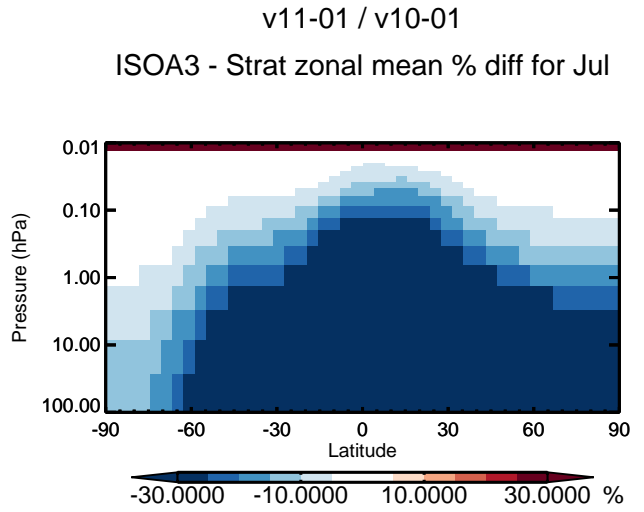
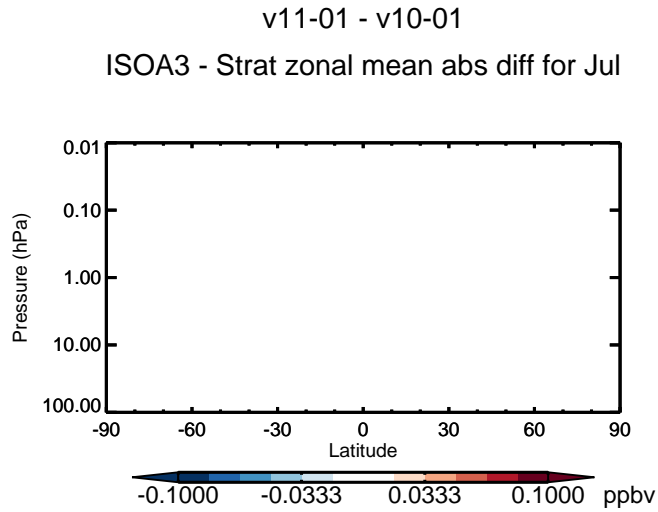
ISOG2 - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps



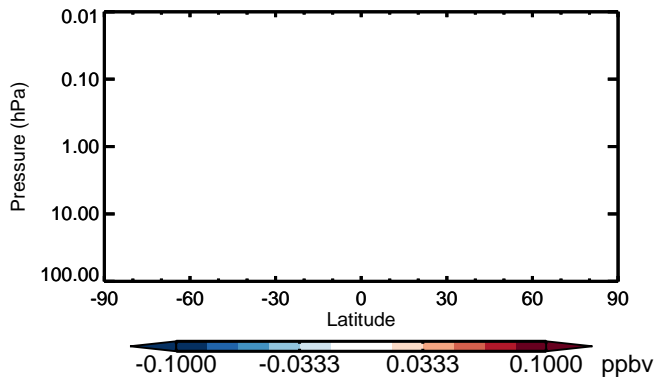
GEOS-Chem Stratospheric Zonal Difference Maps



GEOS-Chem Stratospheric Zonal Difference Maps

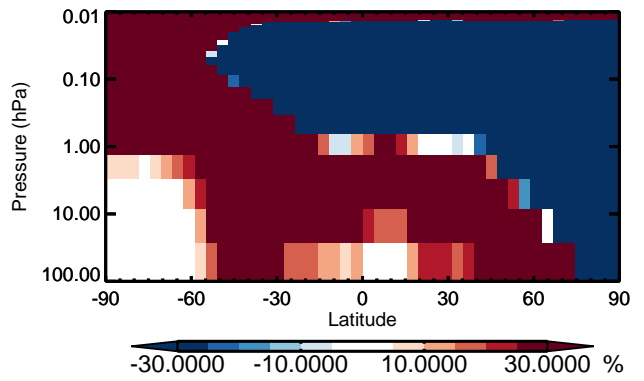
v11-01 - v10-01

XYLE - Strat zonal mean abs diff for Jul



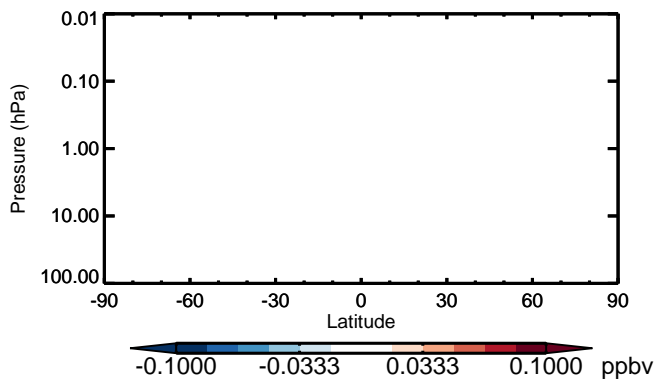
v11-01 / v10-01

XYLE - Strat zonal mean % diff for Jul



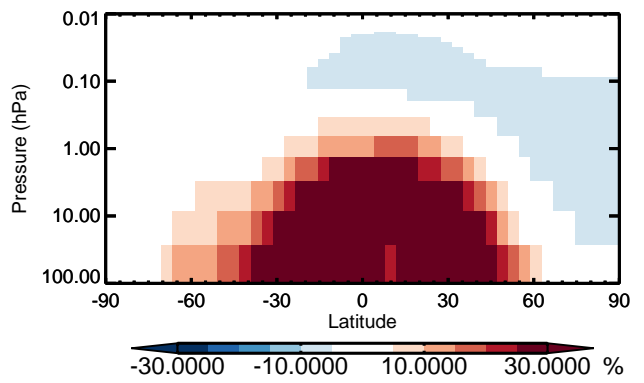
v11-01 - v10-01

ASOG1 - Strat zonal mean abs diff for Jul



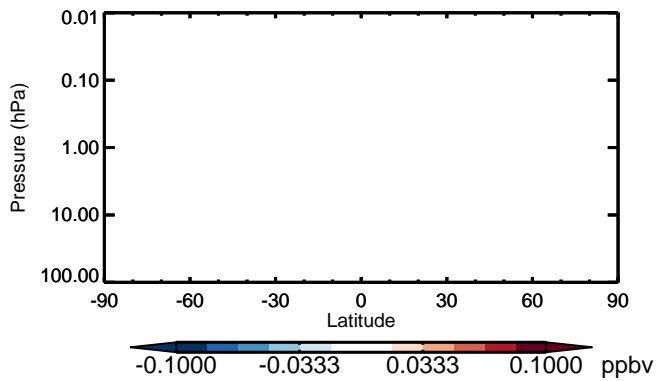
v11-01 / v10-01

ASOG1 - Strat zonal mean % diff for Jul



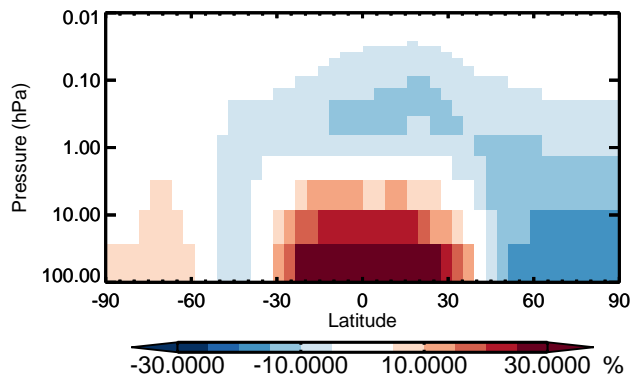
v11-01 - v10-01

ASOG2 - Strat zonal mean abs diff for Jul

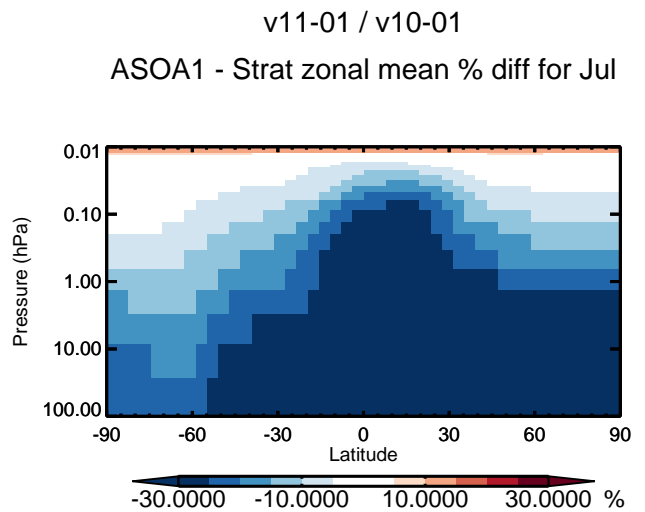
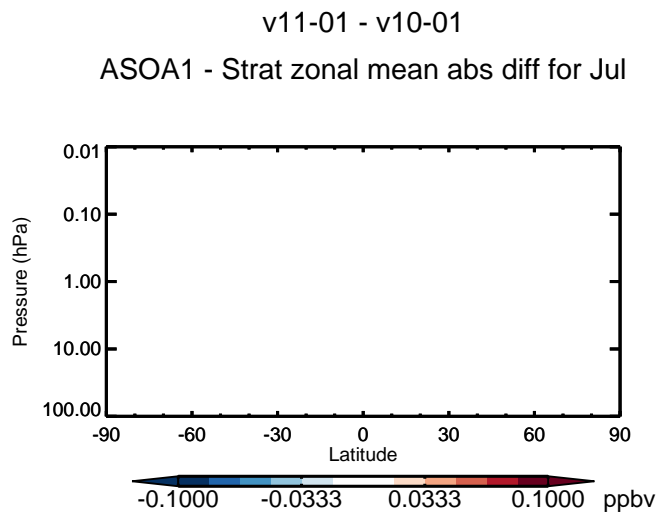
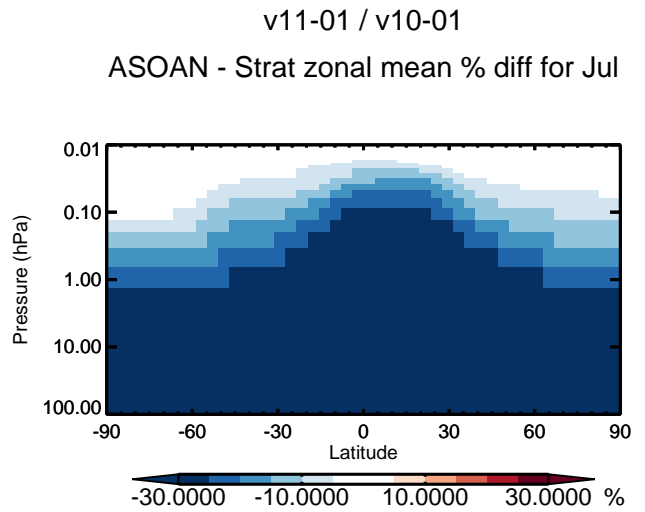
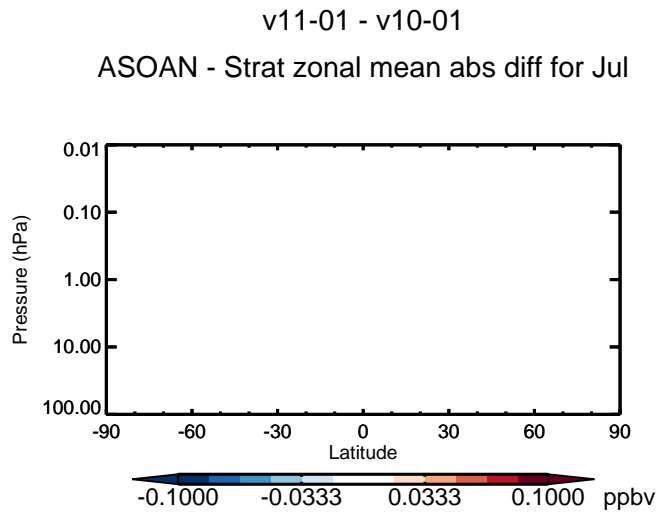
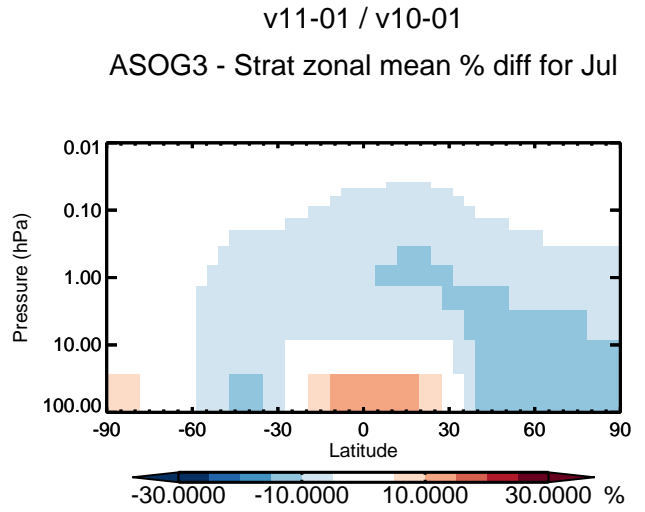
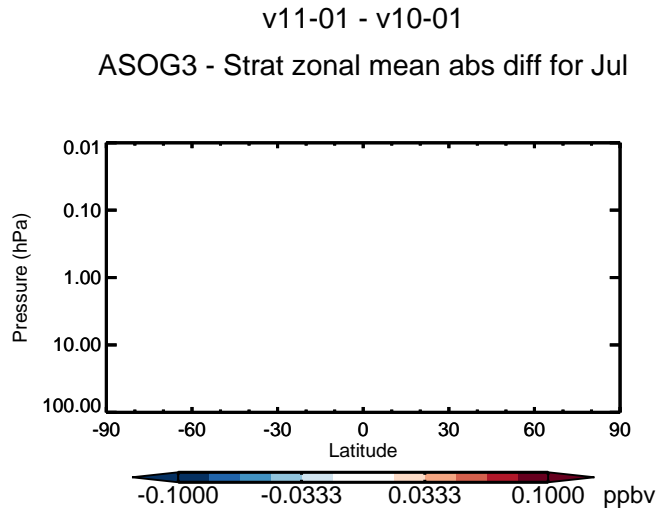


v11-01 / v10-01

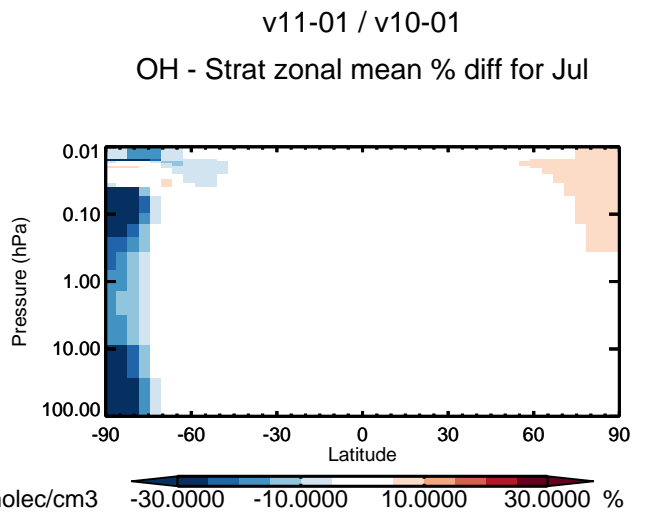
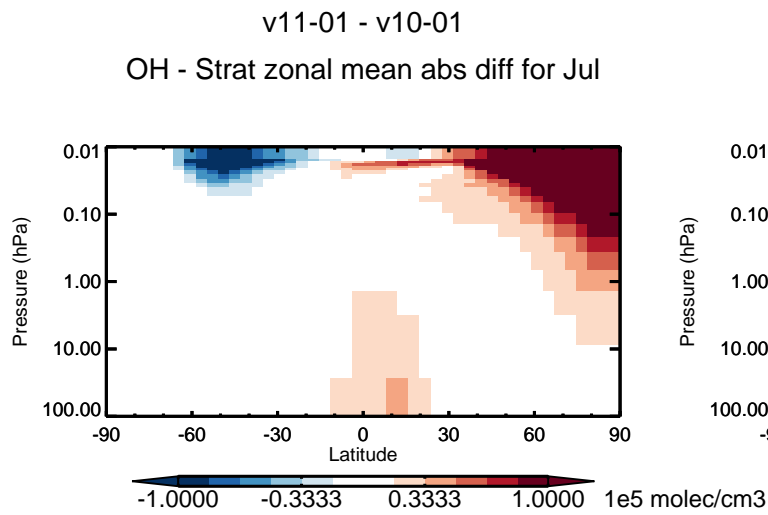
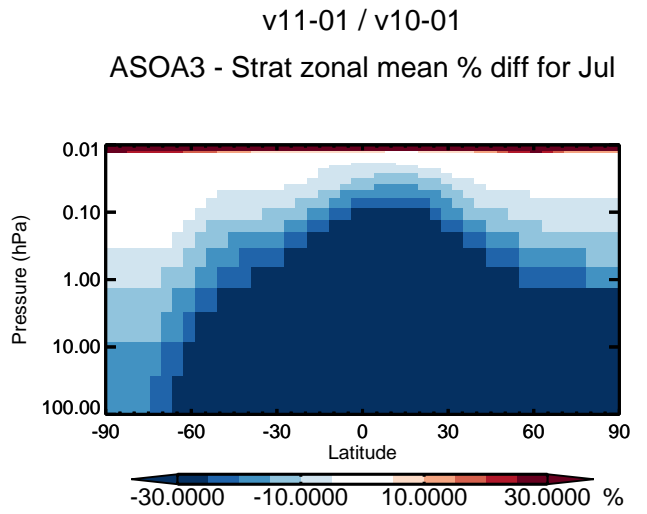
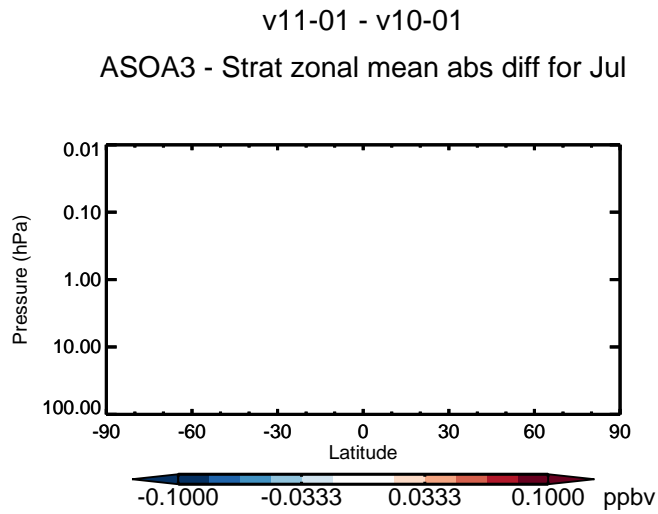
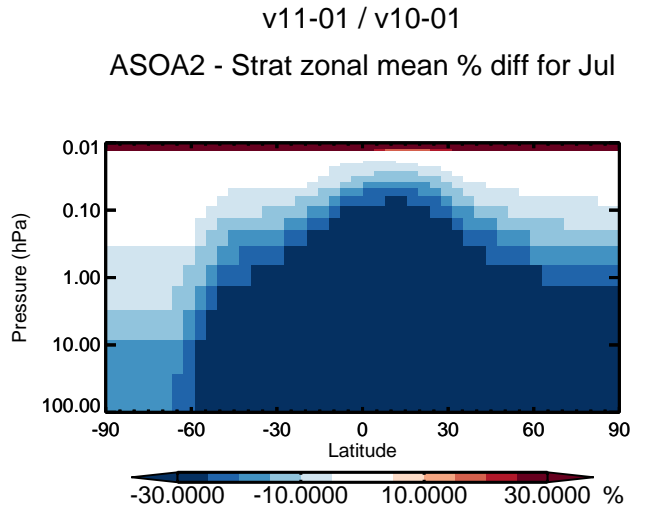
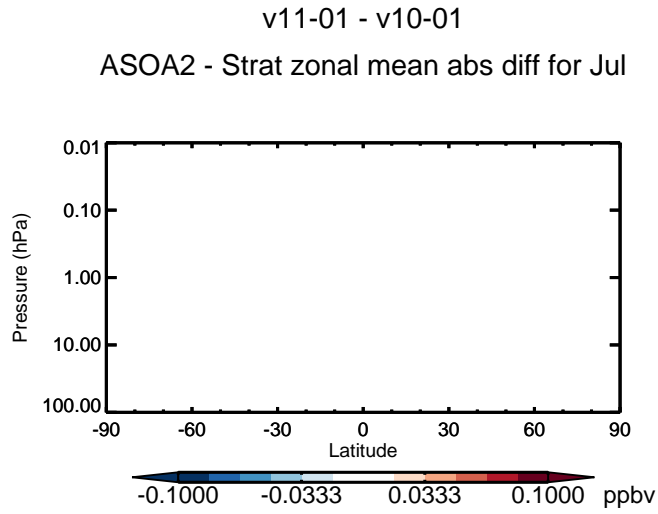
ASOG2 - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps



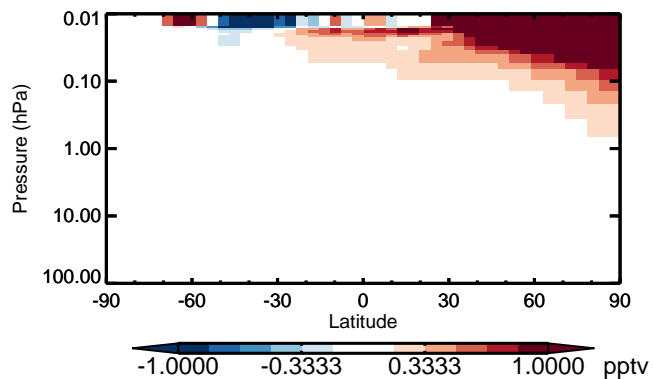
GEOS-Chem Stratospheric Zonal Difference Maps



GEOS-Chem Stratospheric Zonal Difference Maps

v11-01 - v10-01

HO₂ - Strat zonal mean abs diff for Jul



v11-01 / v10-01

HO₂ - Strat zonal mean % diff for Jul

