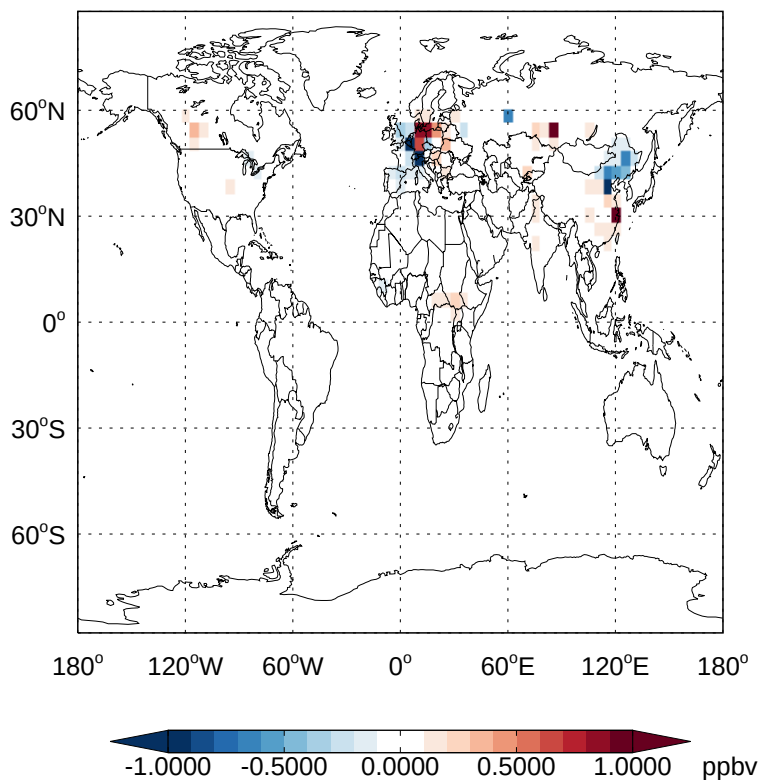


# GEOS-Chem Difference Maps at surface and 500 hPa

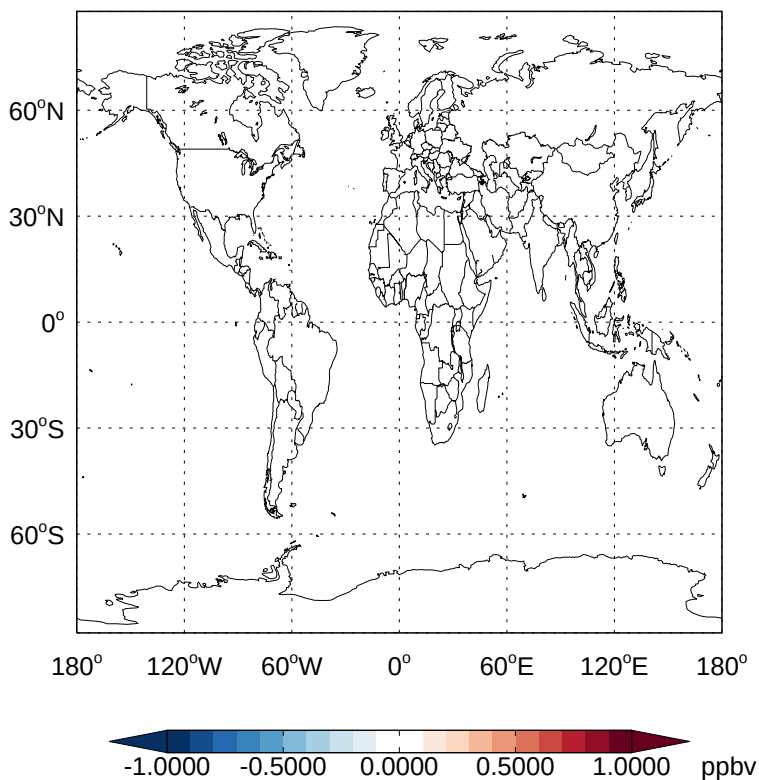
v11-02e-Run1 - v11-02e-Run0

NO - Diff @ Surface for Jan



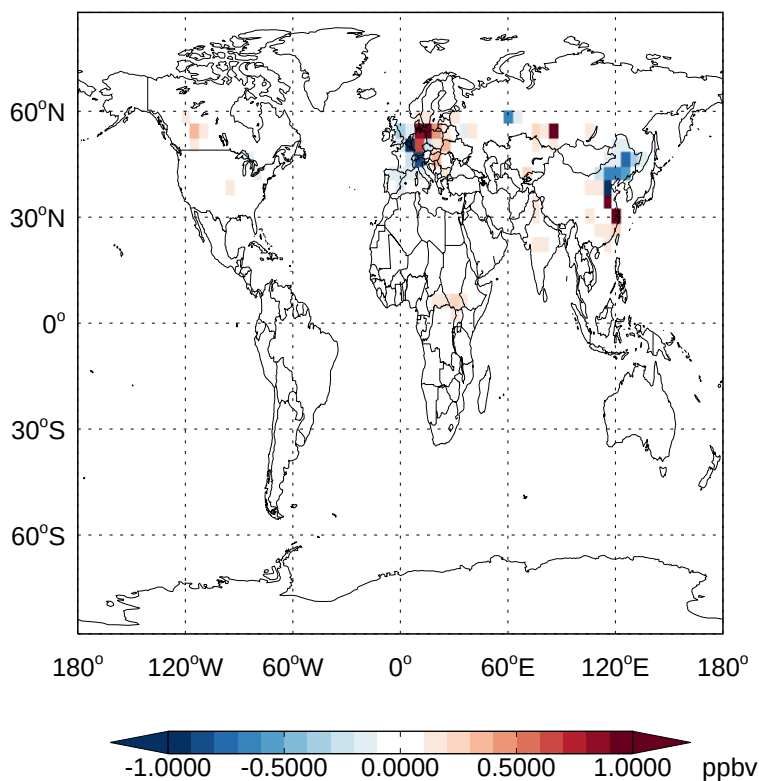
v11-02e-Run1 - v11-02e-Run0

NO- Diff @ 500 hPa for Jan



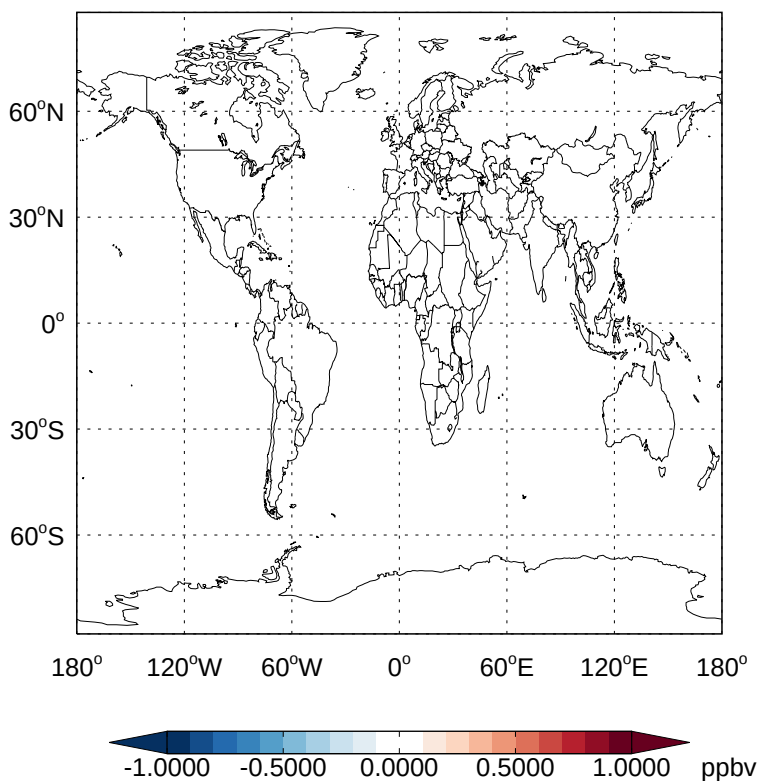
v11-02e-Run1 - v11-02d-Run1

NO - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

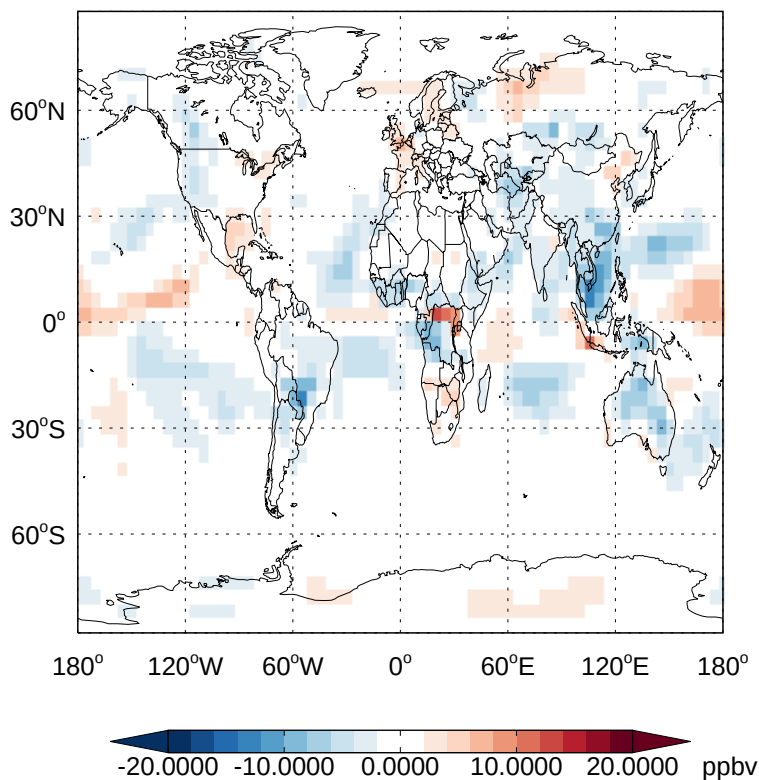
NO- Diff @ 500 hPa for Jan



# GEOS-Chem Difference Maps at surface and 500 hPa

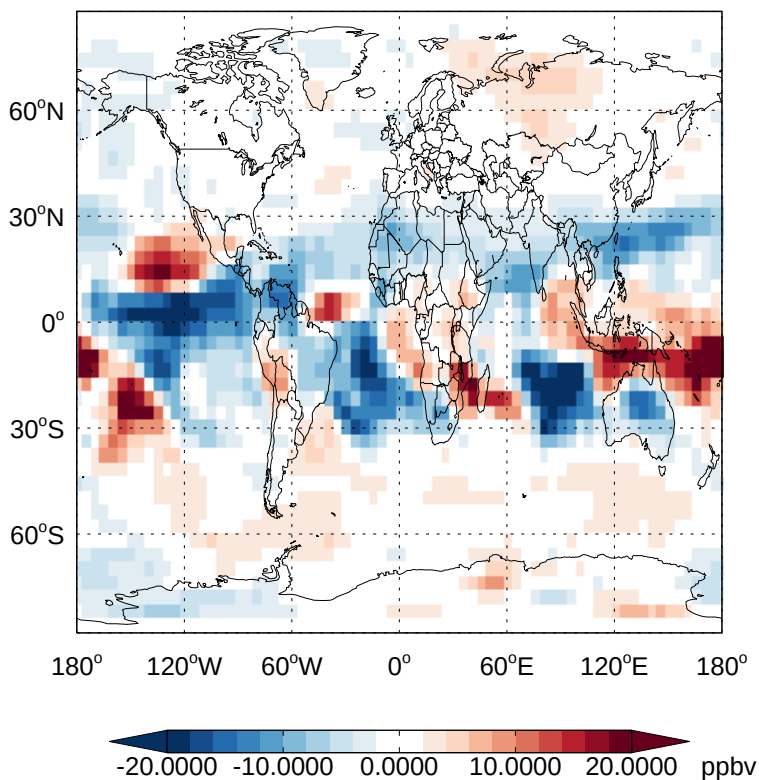
v11-02e-Run1 - v11-02e-Run0

O3 - Diff @ Surface for Jan



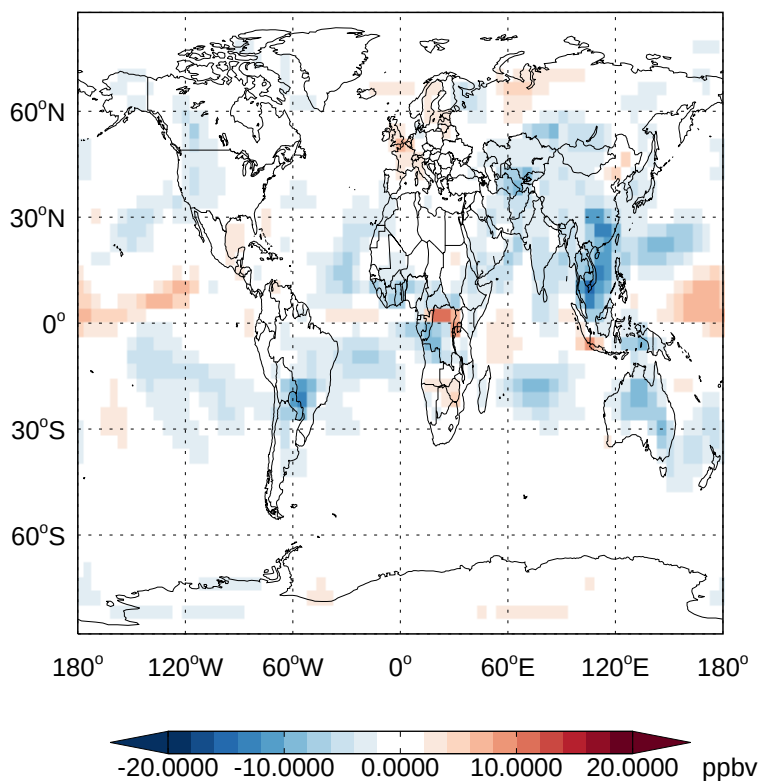
v11-02e-Run1 - v11-02e-Run0

O3- Diff @ 500 hPa for Jan



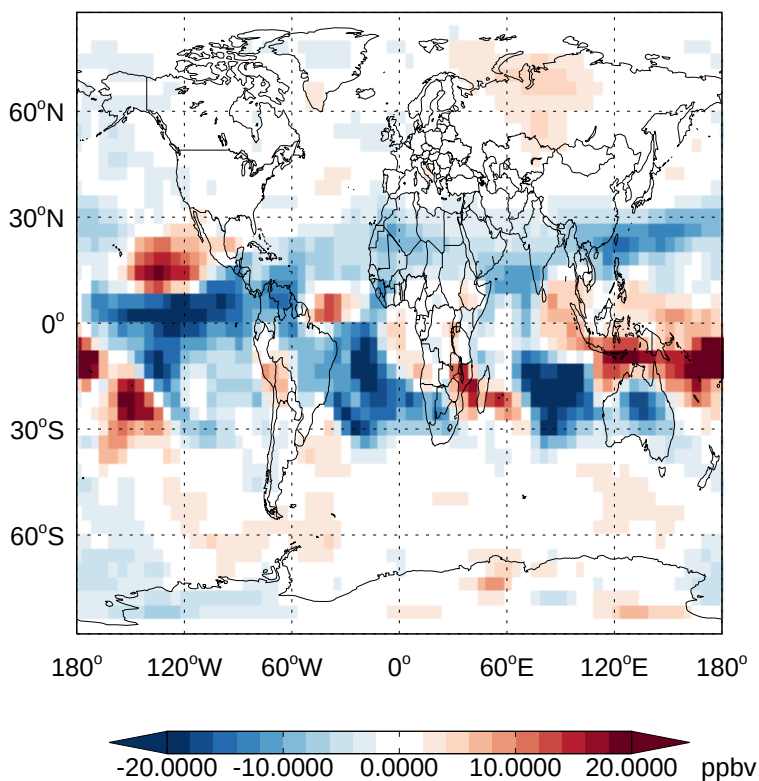
v11-02e-Run1 - v11-02d-Run1

O3 - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

O3- Diff @ 500 hPa for Jan

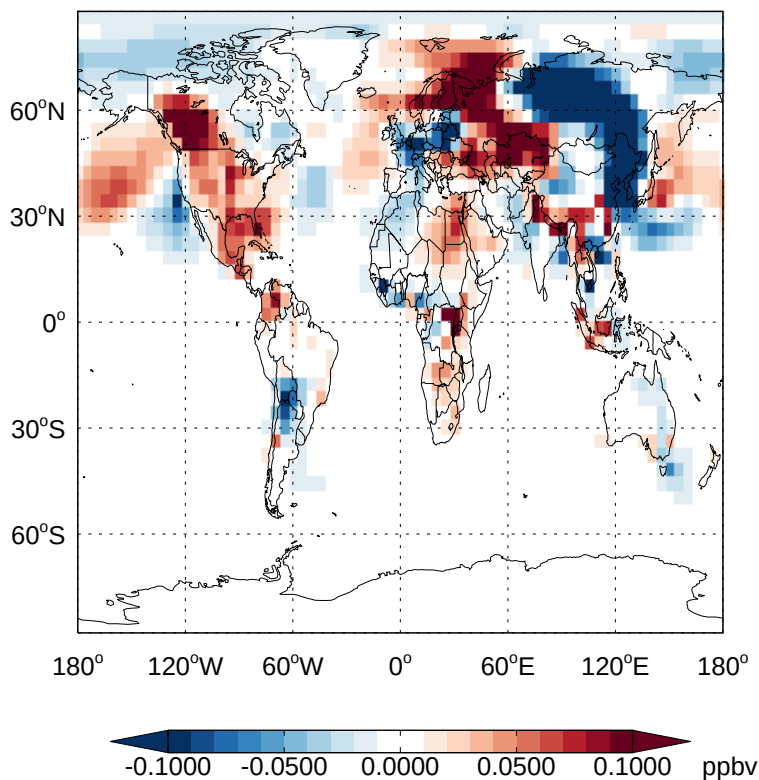




# GEOS-Chem Difference Maps at surface and 500 hPa

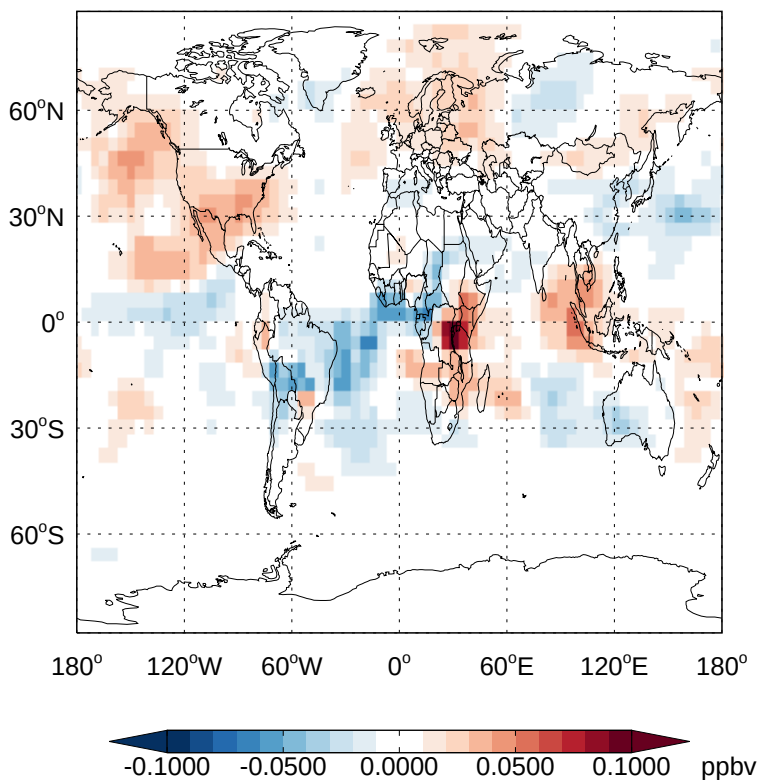
v11-02e-Run1 - v11-02e-Run0

PAN - Diff @ Surface for Jan



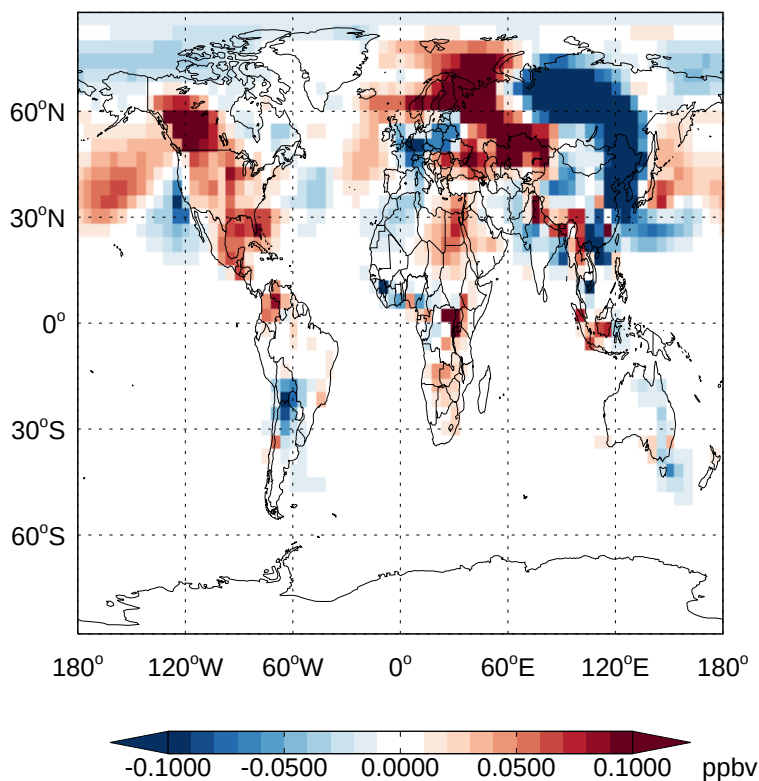
v11-02e-Run1 - v11-02e-Run0

PAN- Diff @ 500 hPa for Jan



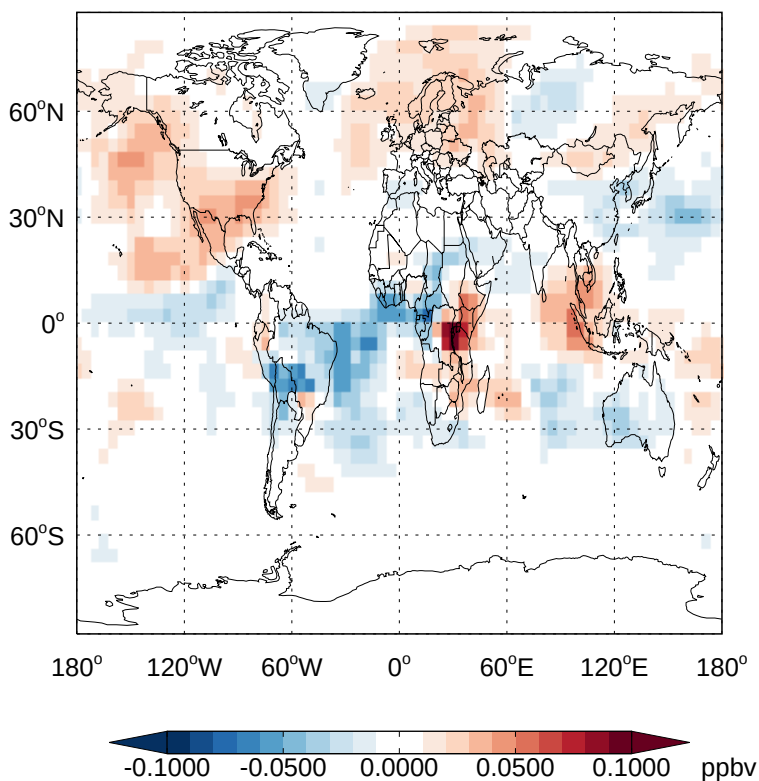
v11-02e-Run1 - v11-02d-Run1

PAN - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

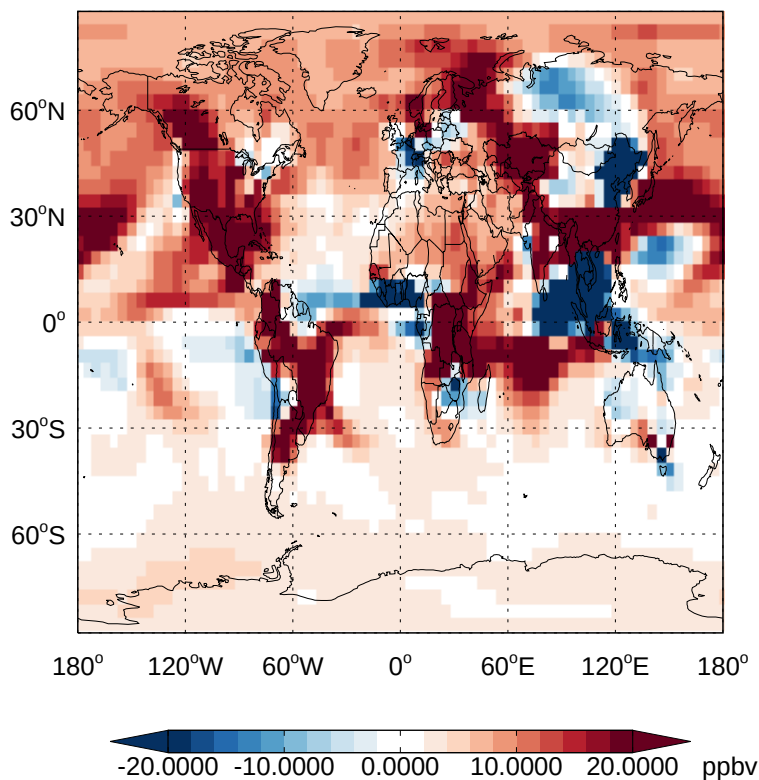
PAN- Diff @ 500 hPa for Jan



# GEOS-Chem Difference Maps at surface and 500 hPa

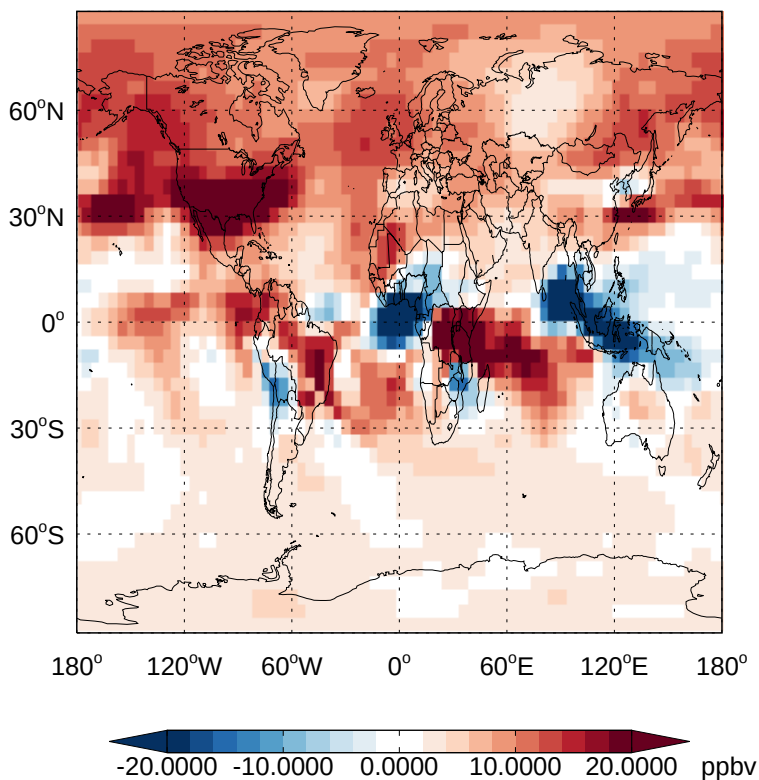
v11-02e-Run1 - v11-02e-Run0

CO - Diff @ Surface for Jan



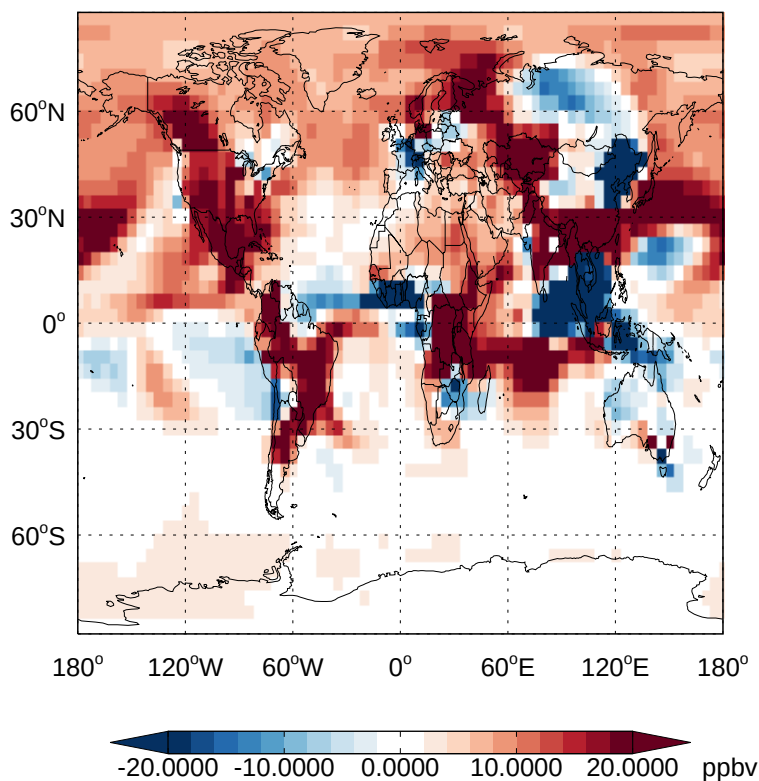
v11-02e-Run1 - v11-02e-Run0

CO- Diff @ 500 hPa for Jan



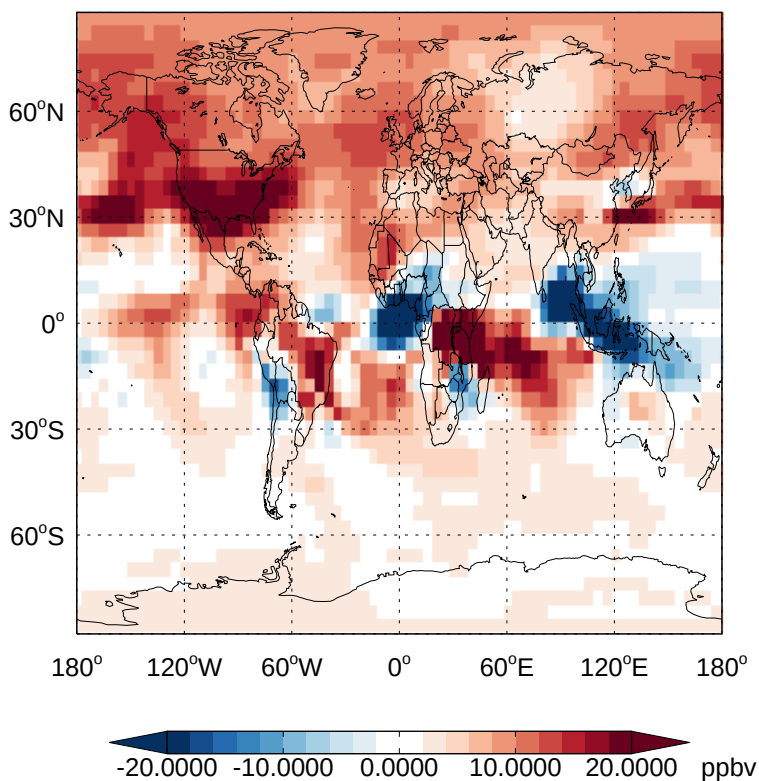
v11-02e-Run1 - v11-02d-Run1

CO - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

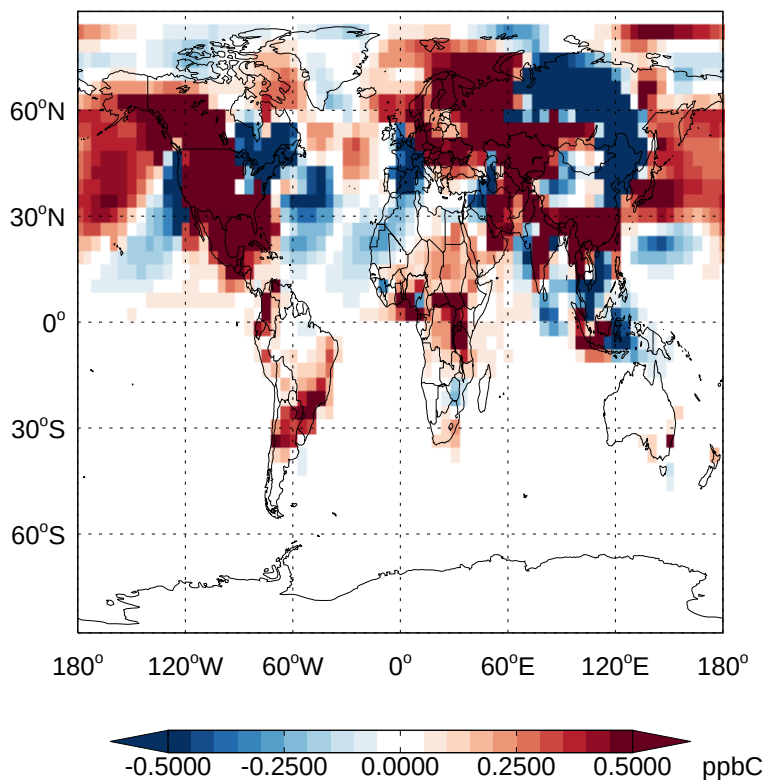
CO- Diff @ 500 hPa for Jan



# GEOS-Chem Difference Maps at surface and 500 hPa

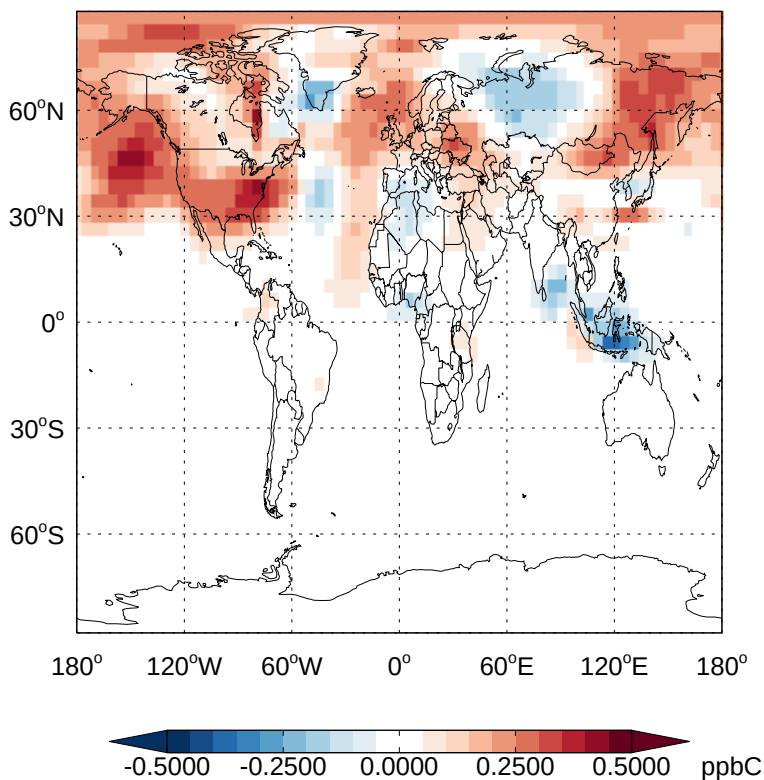
v11-02e-Run1 - v11-02e-Run0

ALK4 - Diff @ Surface for Jan



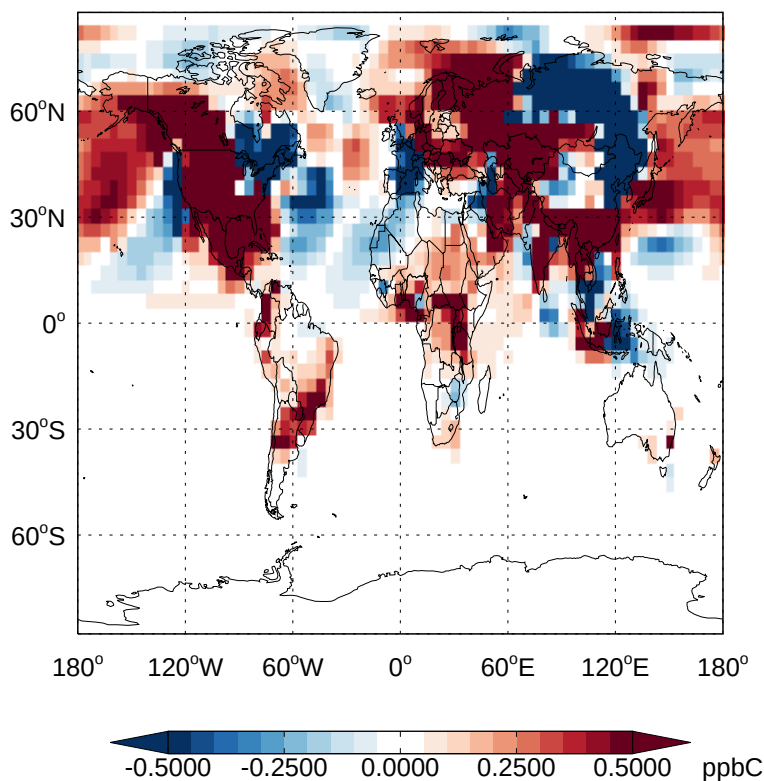
v11-02e-Run1 - v11-02e-Run0

ALK4- Diff @ 500 hPa for Jan



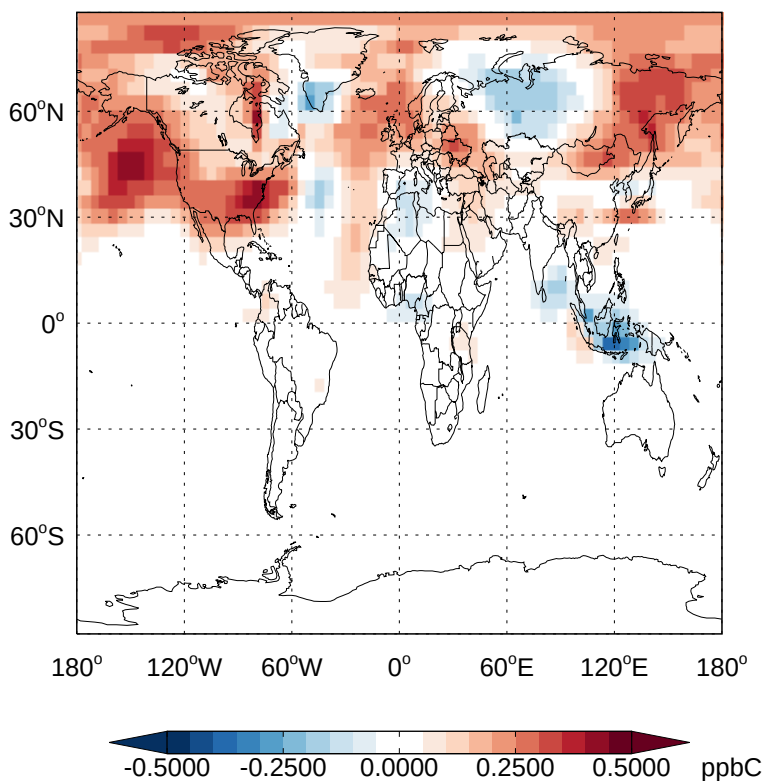
v11-02e-Run1 - v11-02d-Run1

ALK4 - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

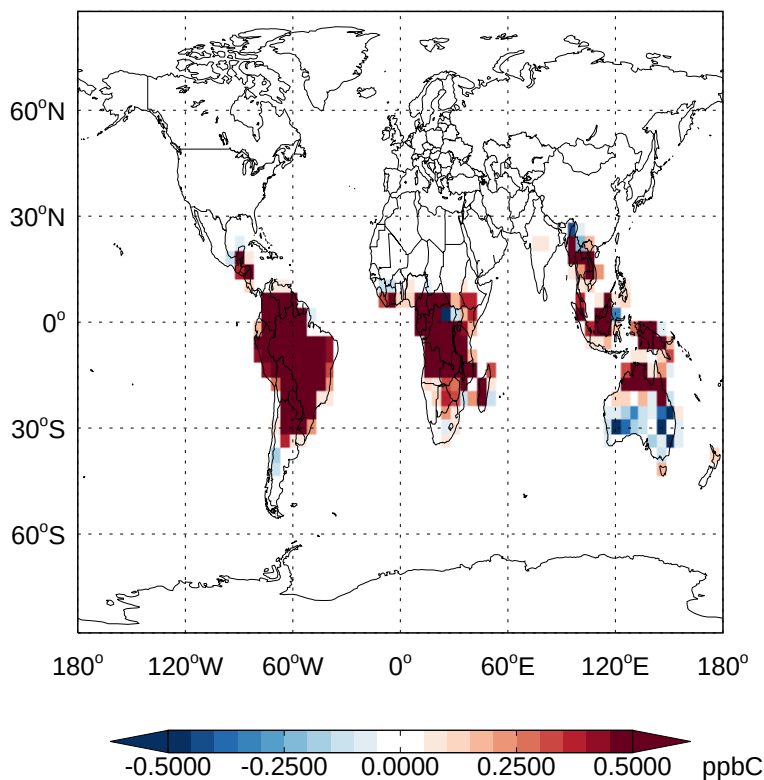
ALK4- Diff @ 500 hPa for Jan



# GEOS-Chem Difference Maps at surface and 500 hPa

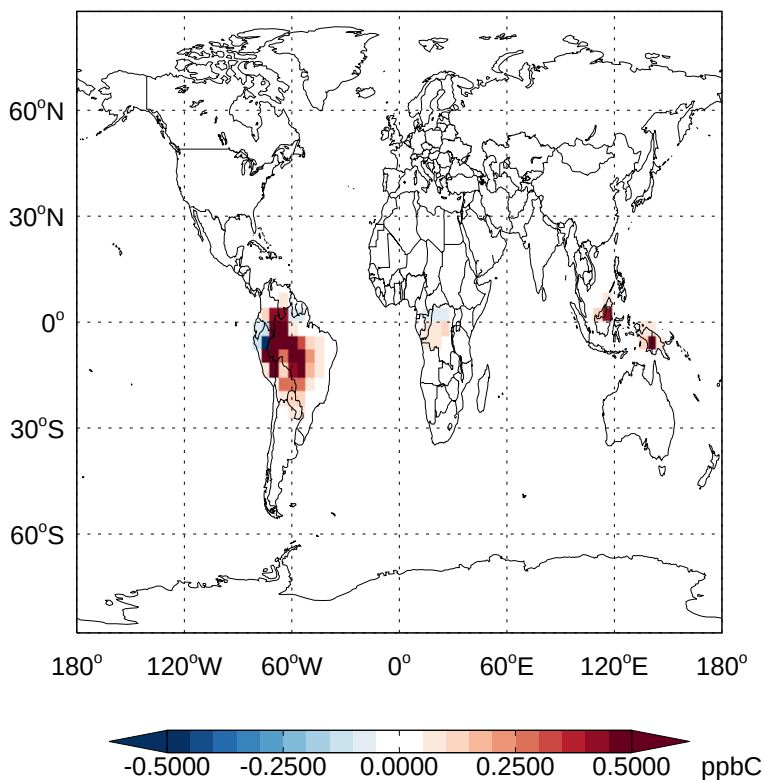
v11-02e-Run1 - v11-02e-Run0

ISOP - Diff @ Surface for Jan



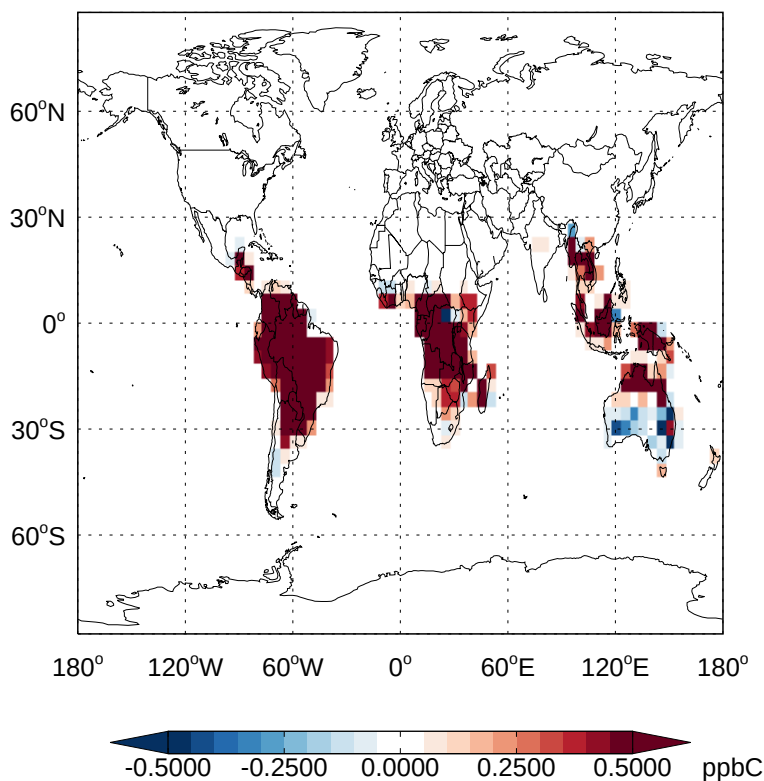
v11-02e-Run1 - v11-02e-Run0

ISOP- Diff @ 500 hPa for Jan



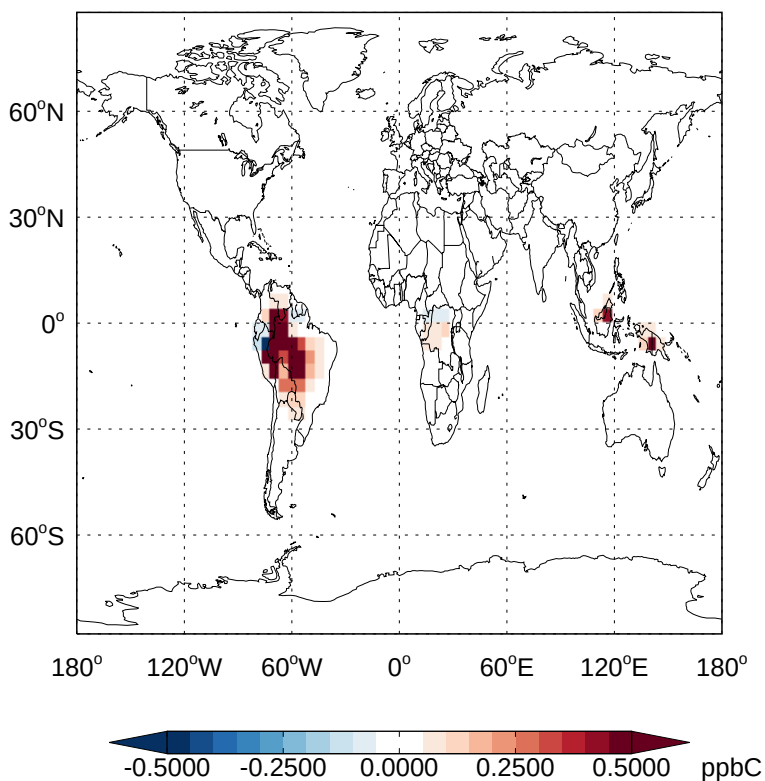
v11-02e-Run1 - v11-02d-Run1

ISOP - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

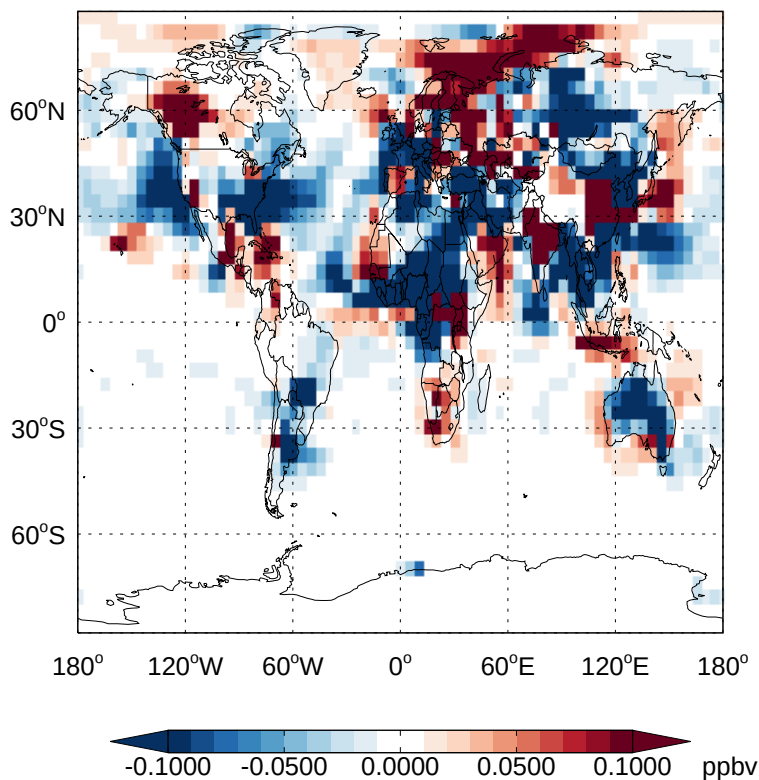
ISOP- Diff @ 500 hPa for Jan



# GEOS-Chem Difference Maps at surface and 500 hPa

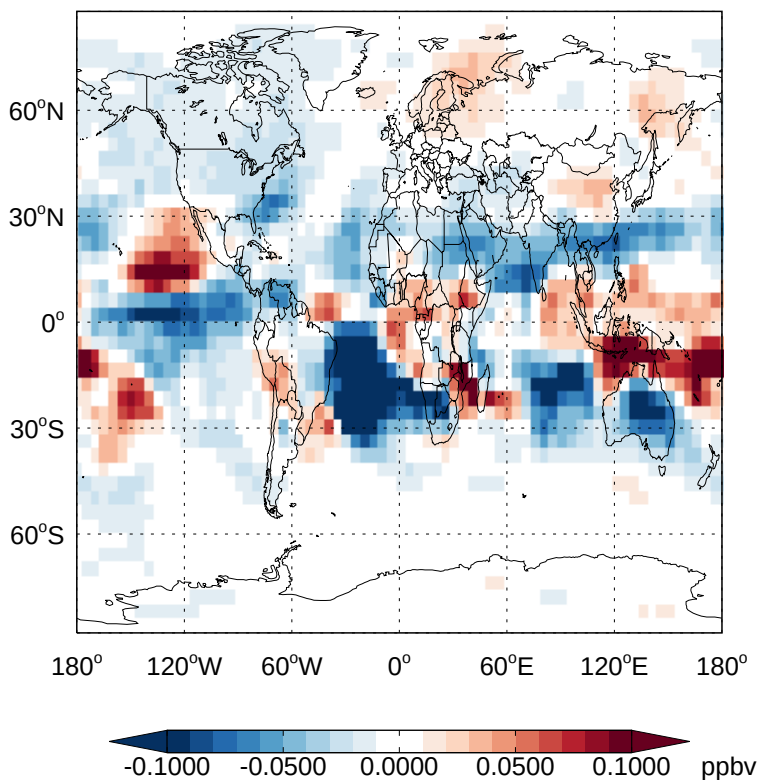
v11-02e-Run1 - v11-02e-Run0

HNO<sub>3</sub> - Diff @ Surface for Jan



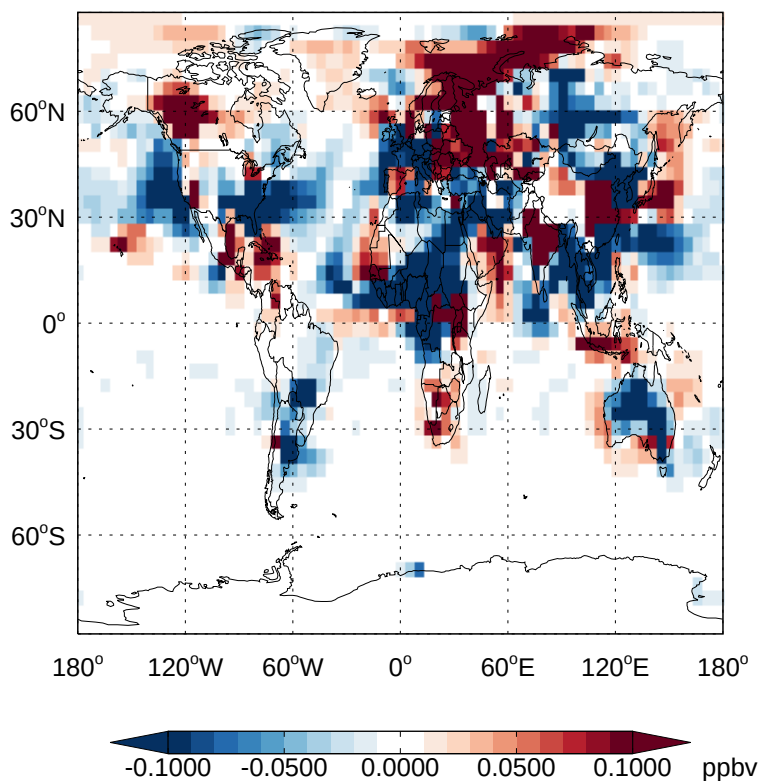
v11-02e-Run1 - v11-02e-Run0

HNO<sub>3</sub>- Diff @ 500 hPa for Jan



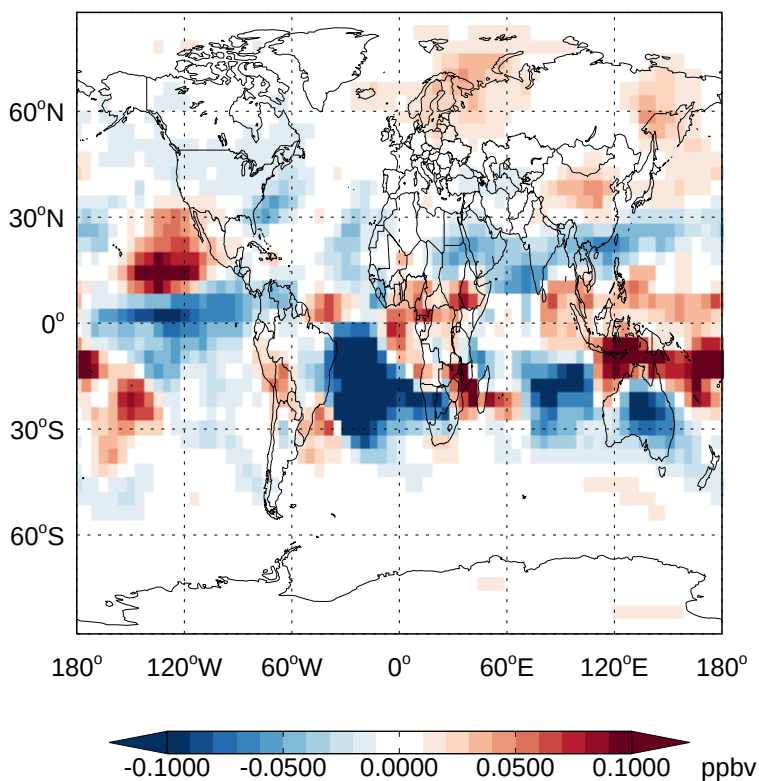
v11-02e-Run1 - v11-02d-Run1

HNO<sub>3</sub> - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

HNO<sub>3</sub>- Diff @ 500 hPa for Jan

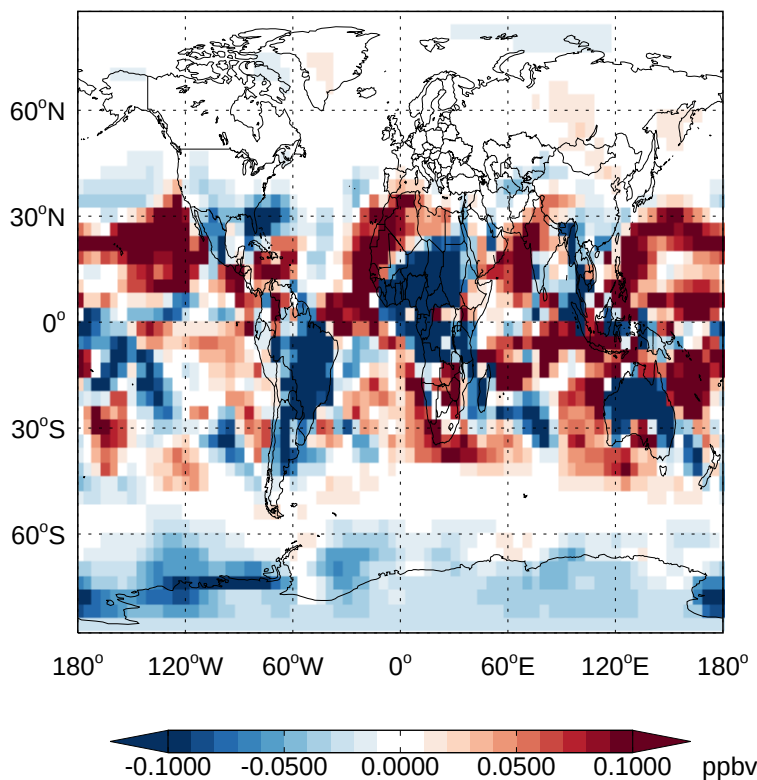




## GEOS-Chem Difference Maps at surface and 500 hPa

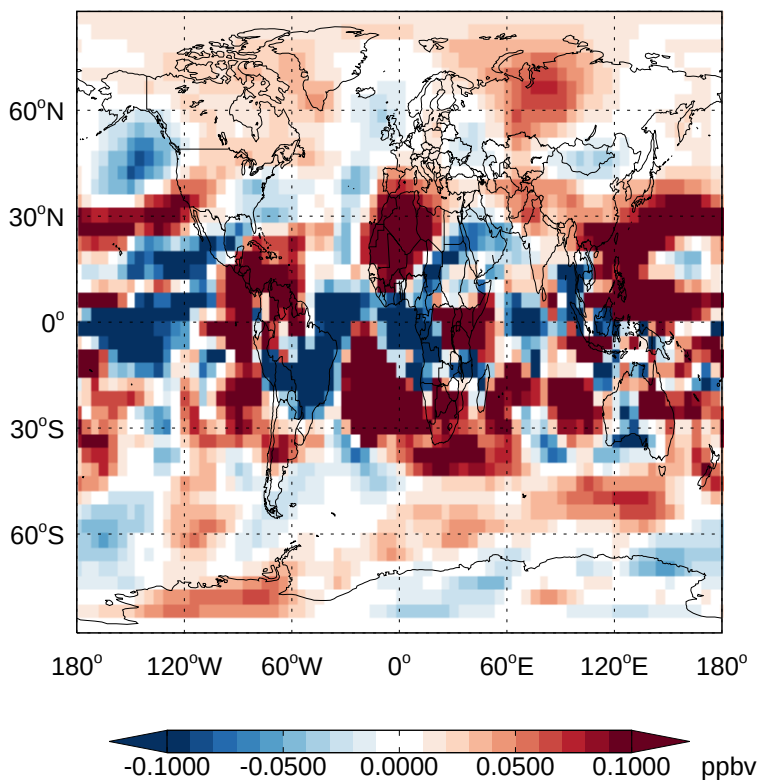
v11-02e-Run1 - v11-02e-Run0

H<sub>2</sub>O<sub>2</sub> - Diff @ Surface for Jan



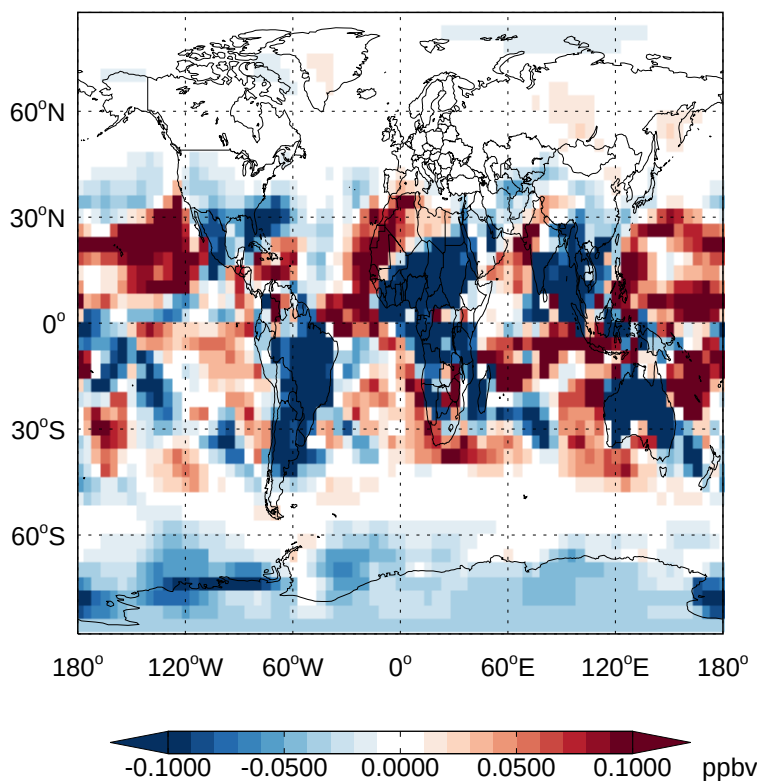
v11-02e-Run1 - v11-02e-Run0

H<sub>2</sub>O<sub>2</sub> - Diff @ 500 hPa for Jan



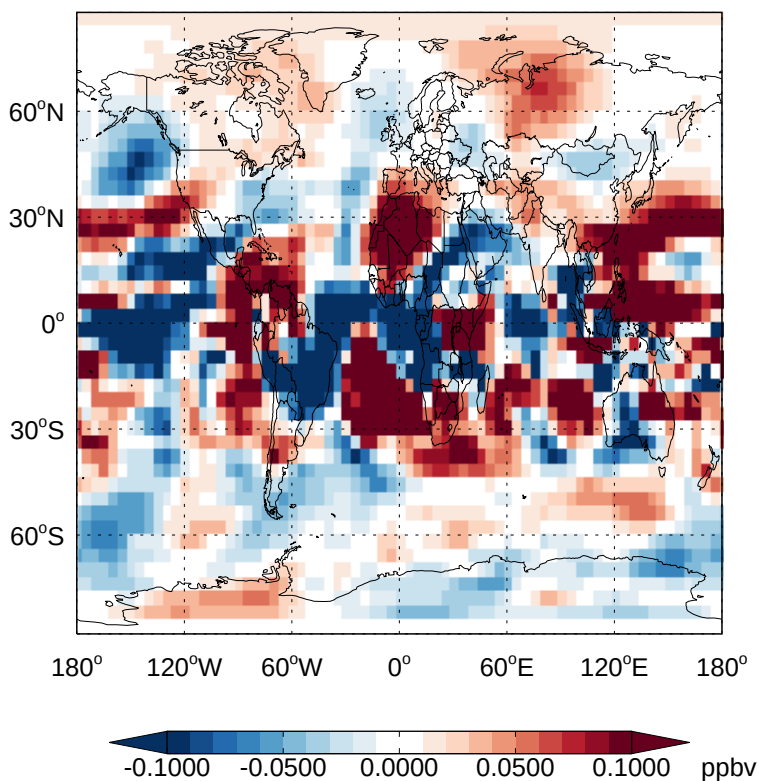
v11-02e-Run1 - v11-02d-Run1

H<sub>2</sub>O<sub>2</sub> - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

H<sub>2</sub>O<sub>2</sub> - Diff @ 500 hPa for Jan

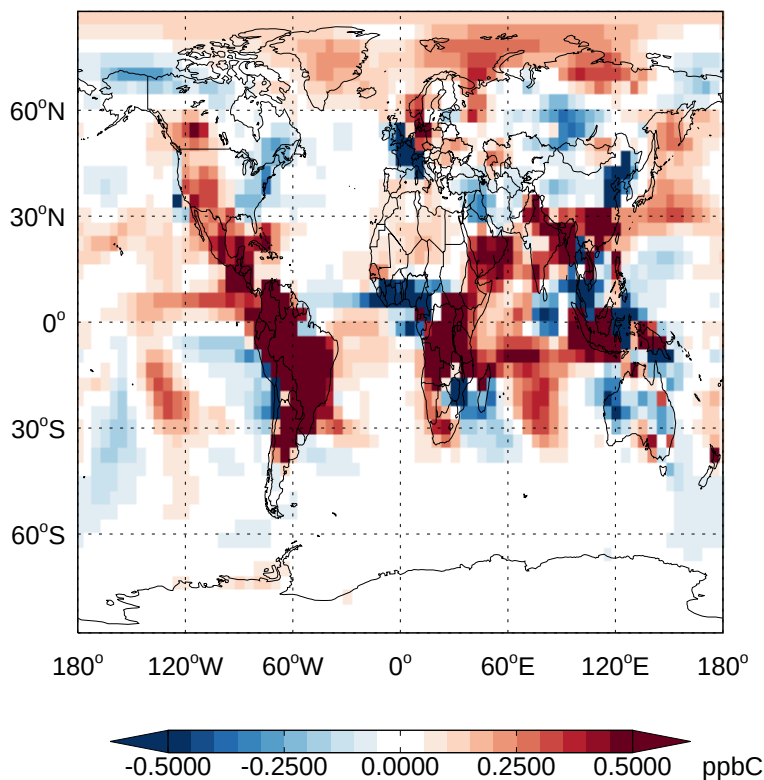




# GEOS-Chem Difference Maps at surface and 500 hPa

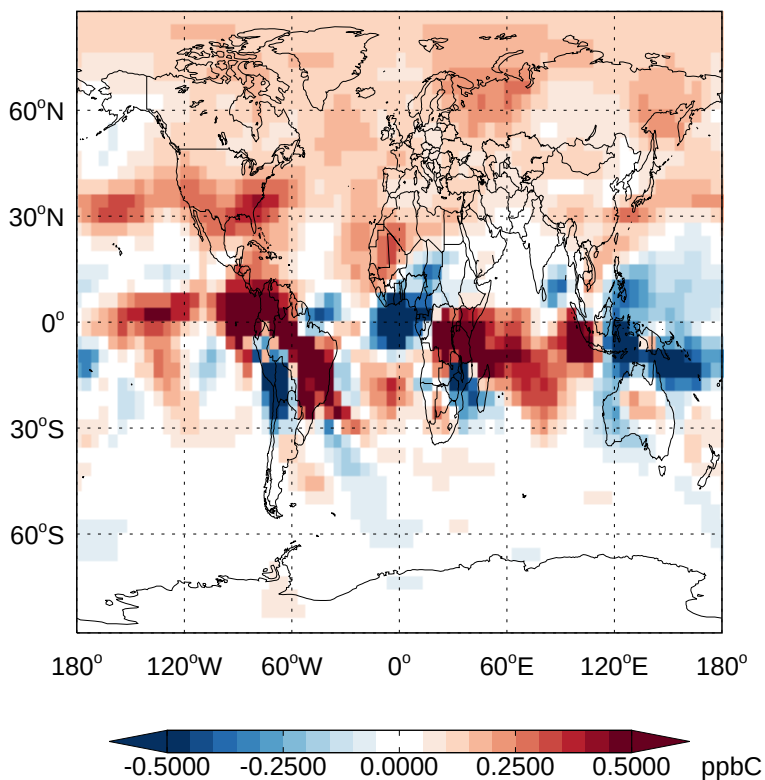
v11-02e-Run1 - v11-02e-Run0

ACET - Diff @ Surface for Jan



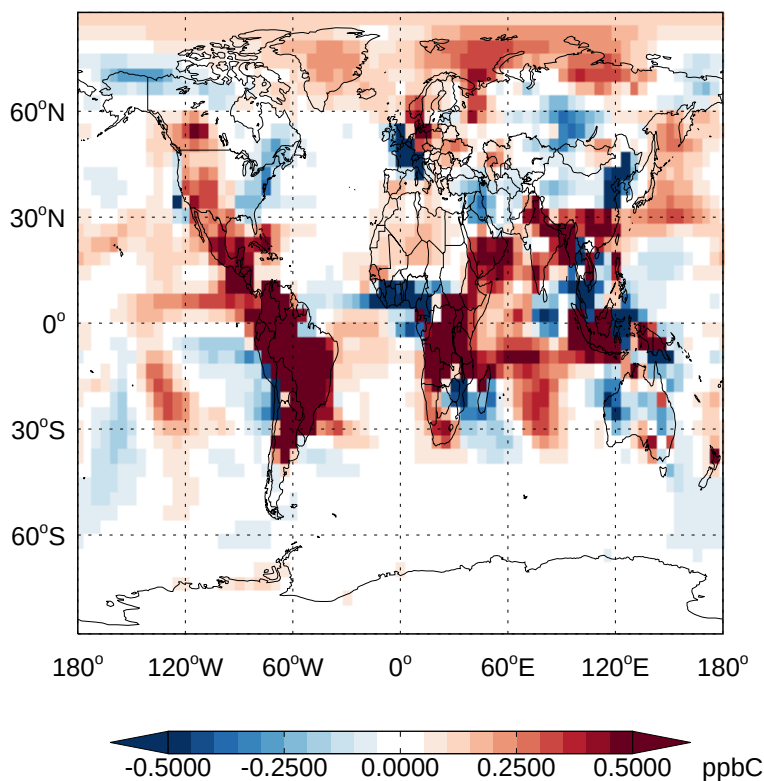
v11-02e-Run1 - v11-02e-Run0

ACET- Diff @ 500 hPa for Jan



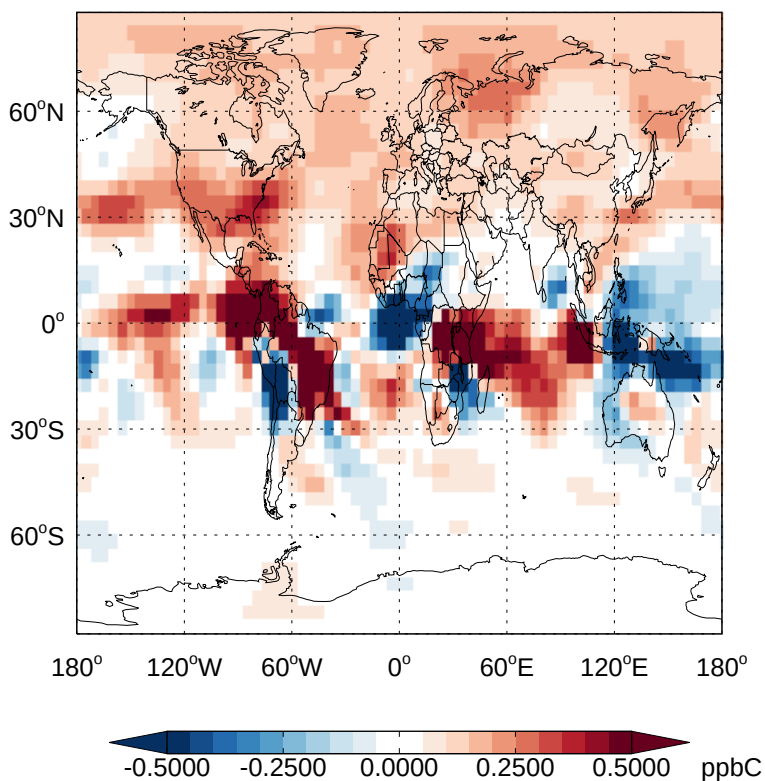
v11-02e-Run1 - v11-02d-Run1

ACET - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

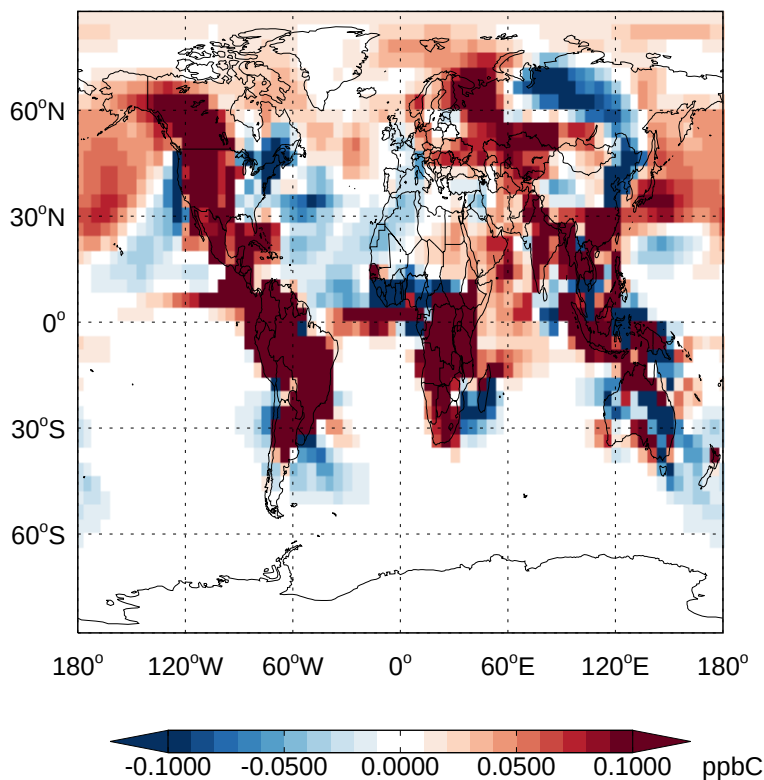
ACET- Diff @ 500 hPa for Jan



# GEOS-Chem Difference Maps at surface and 500 hPa

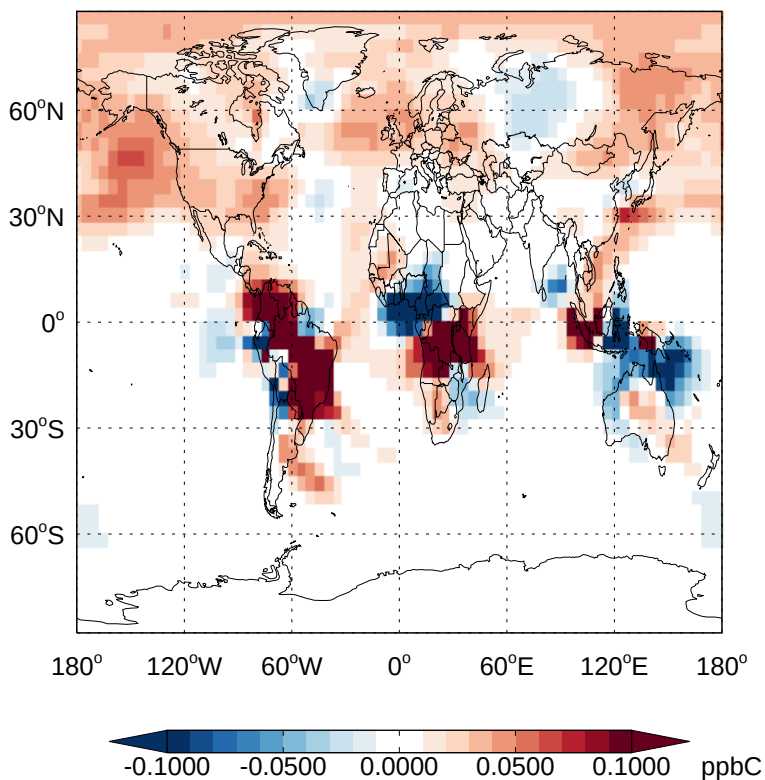
v11-02e-Run1 - v11-02e-Run0

MEK - Diff @ Surface for Jan



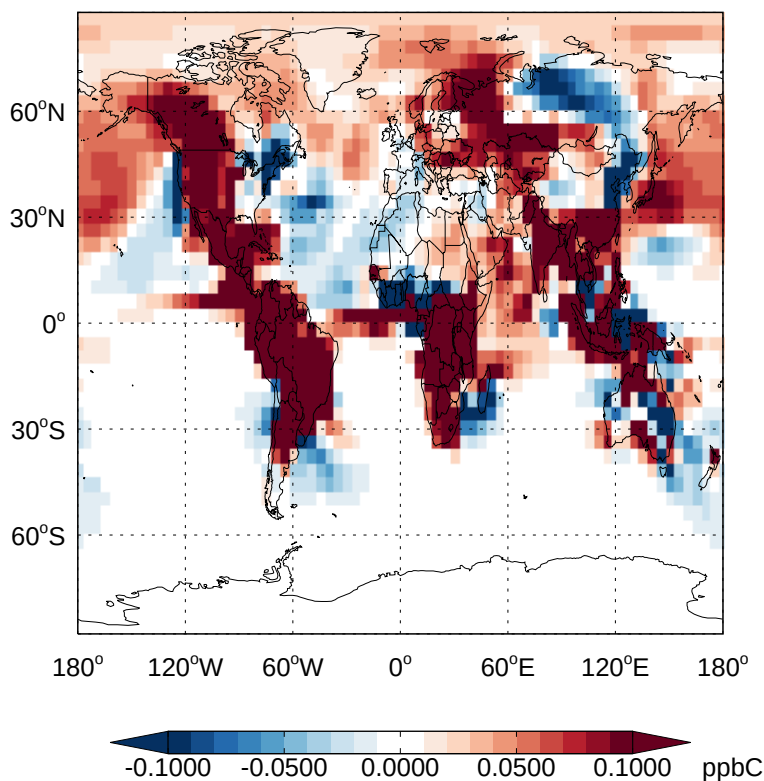
v11-02e-Run1 - v11-02e-Run0

MEK- Diff @ 500 hPa for Jan



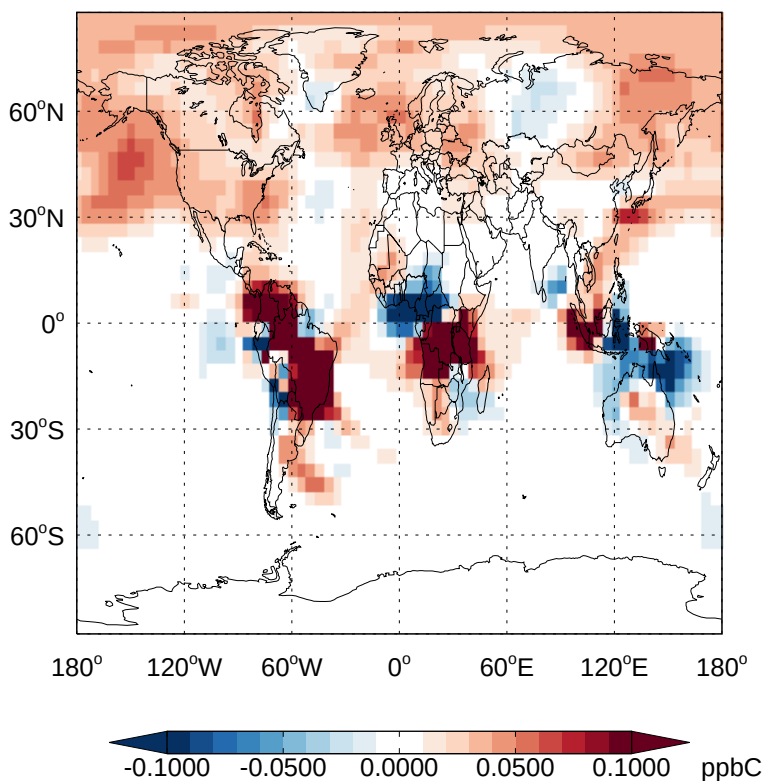
v11-02e-Run1 - v11-02d-Run1

MEK - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

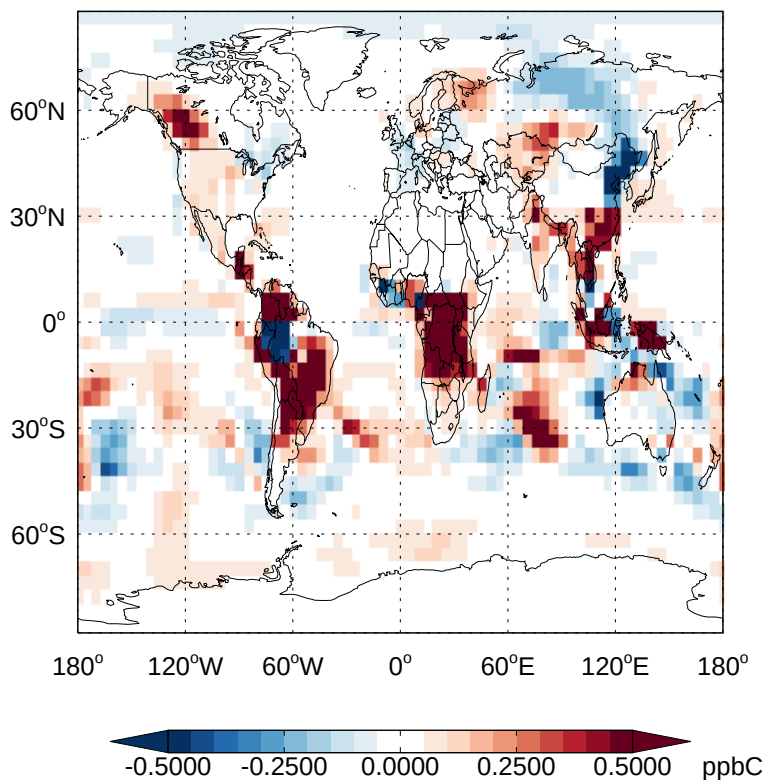
MEK- Diff @ 500 hPa for Jan



# GEOS-Chem Difference Maps at surface and 500 hPa

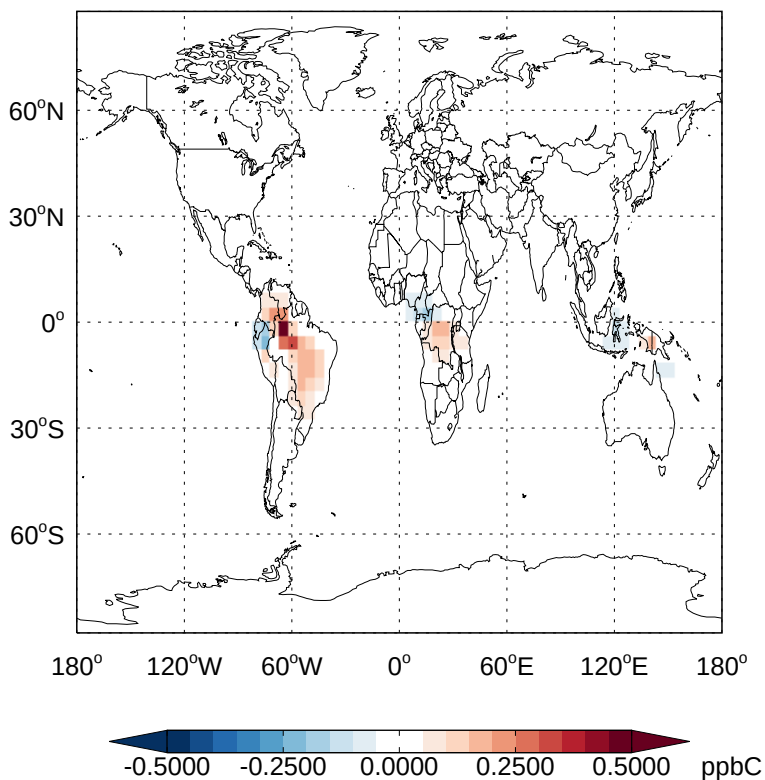
v11-02e-Run1 - v11-02e-Run0

ALD2 - Diff @ Surface for Jan



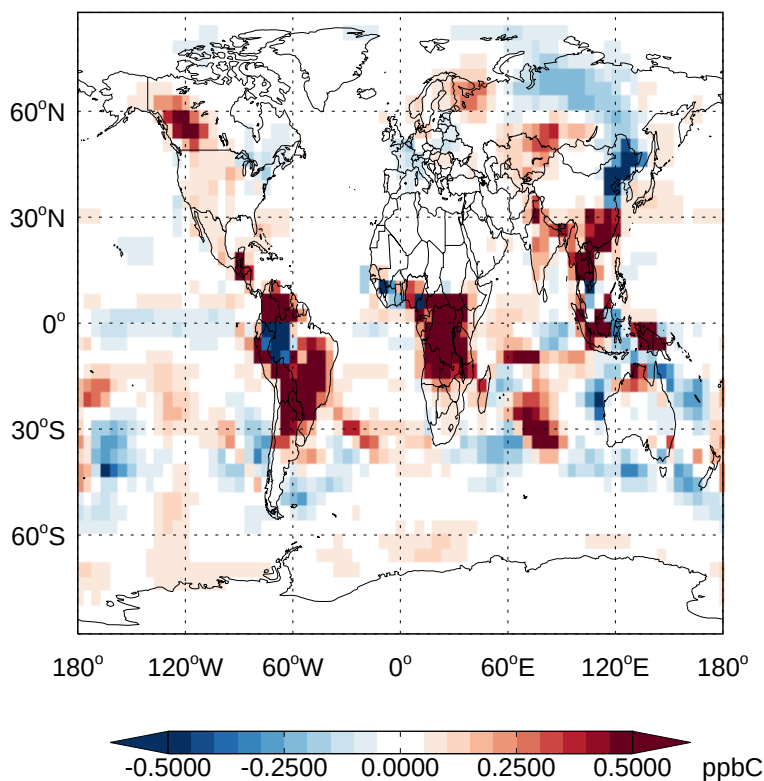
v11-02e-Run1 - v11-02e-Run0

ALD2- Diff @ 500 hPa for Jan



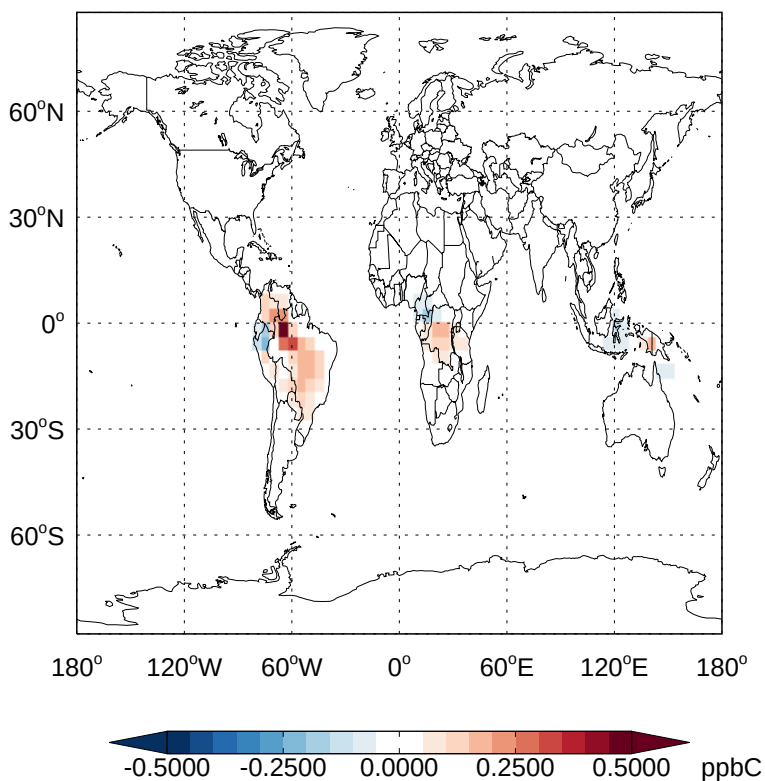
v11-02e-Run1 - v11-02d-Run1

ALD2 - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

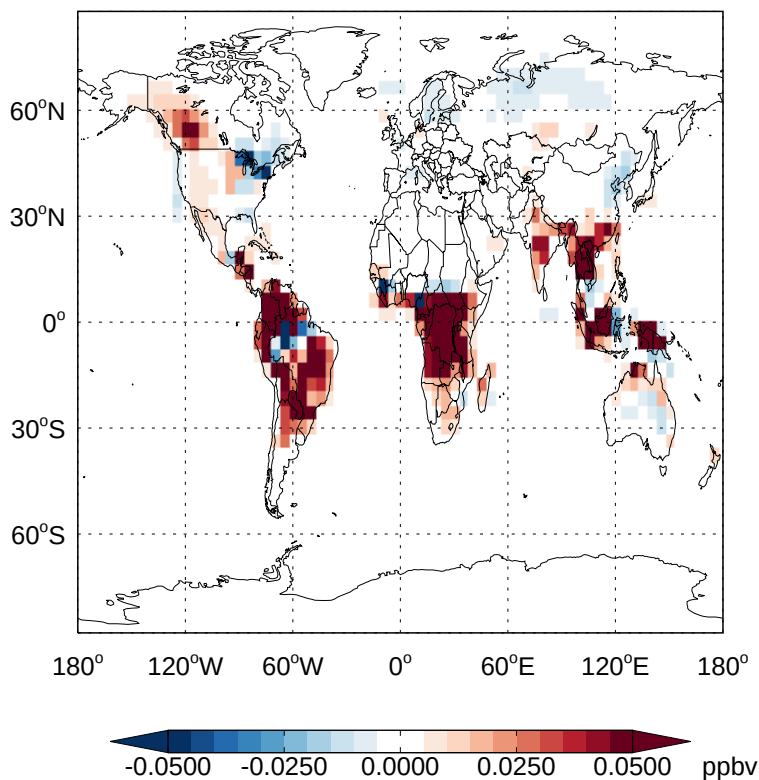
ALD2- Diff @ 500 hPa for Jan



# GEOS-Chem Difference Maps at surface and 500 hPa

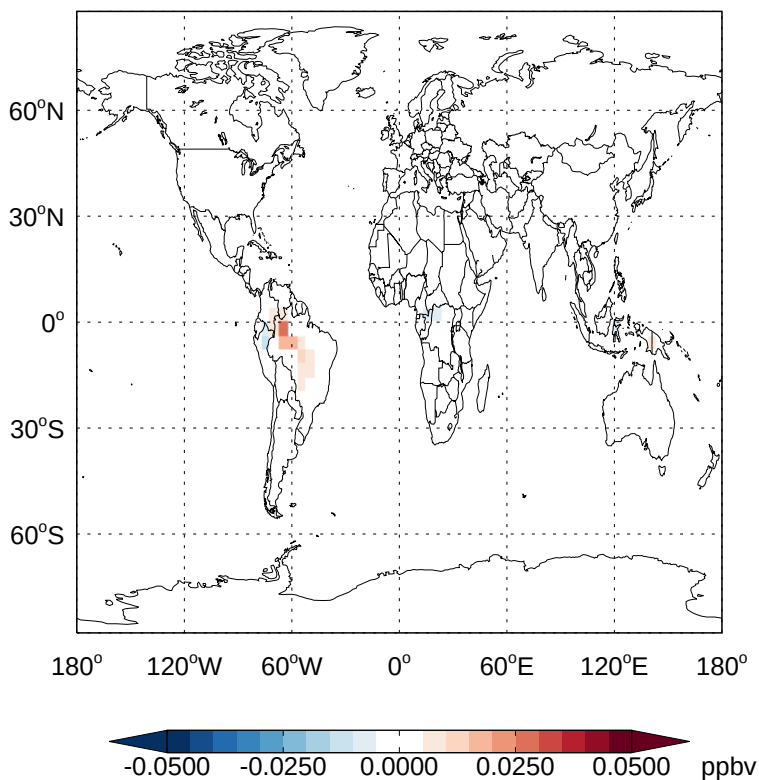
v11-02e-Run1 - v11-02e-Run0

RCHO - Diff @ Surface for Jan



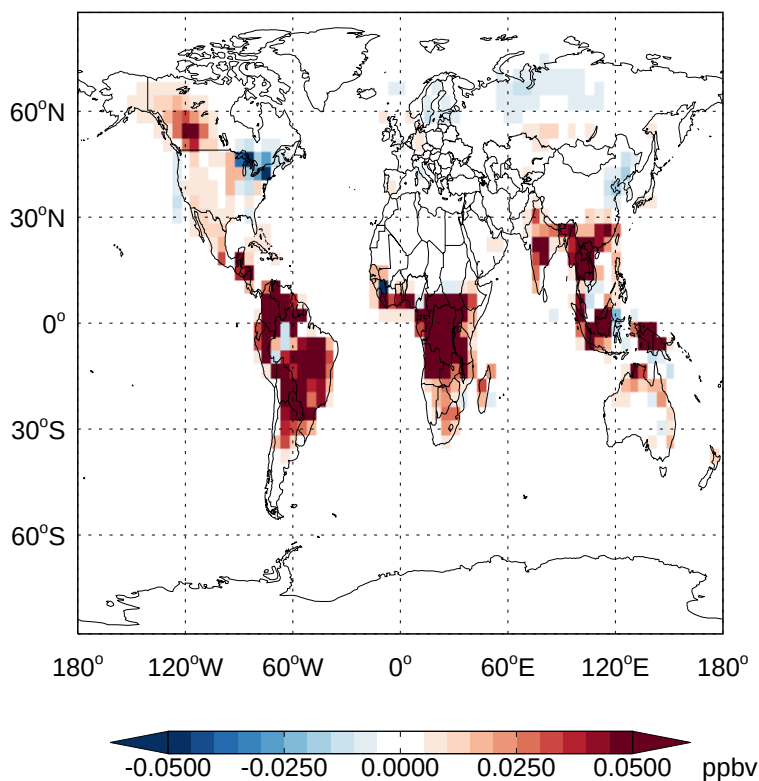
v11-02e-Run1 - v11-02e-Run0

RCHO- Diff @ 500 hPa for Jan



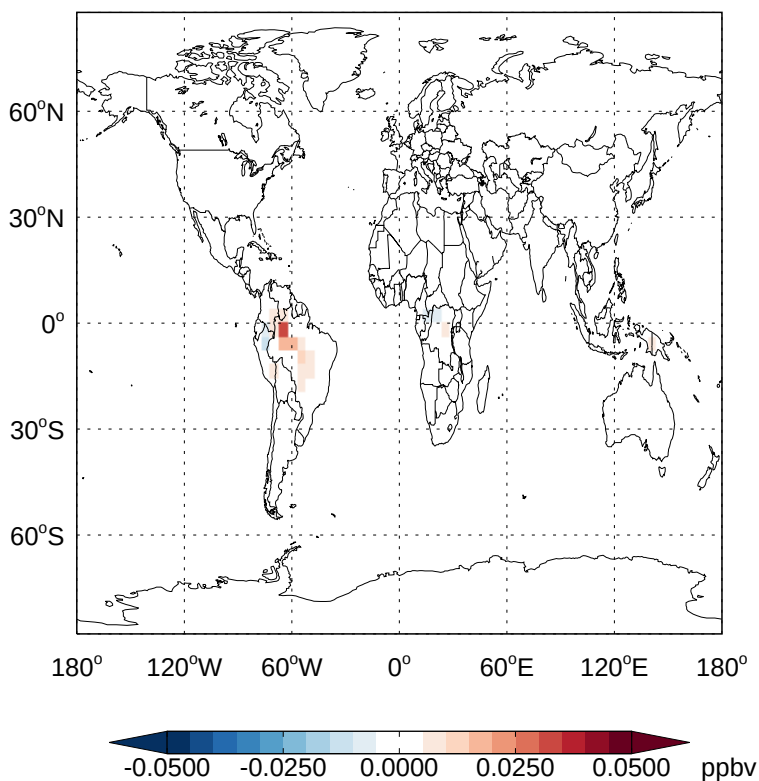
v11-02e-Run1 - v11-02d-Run1

RCHO - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

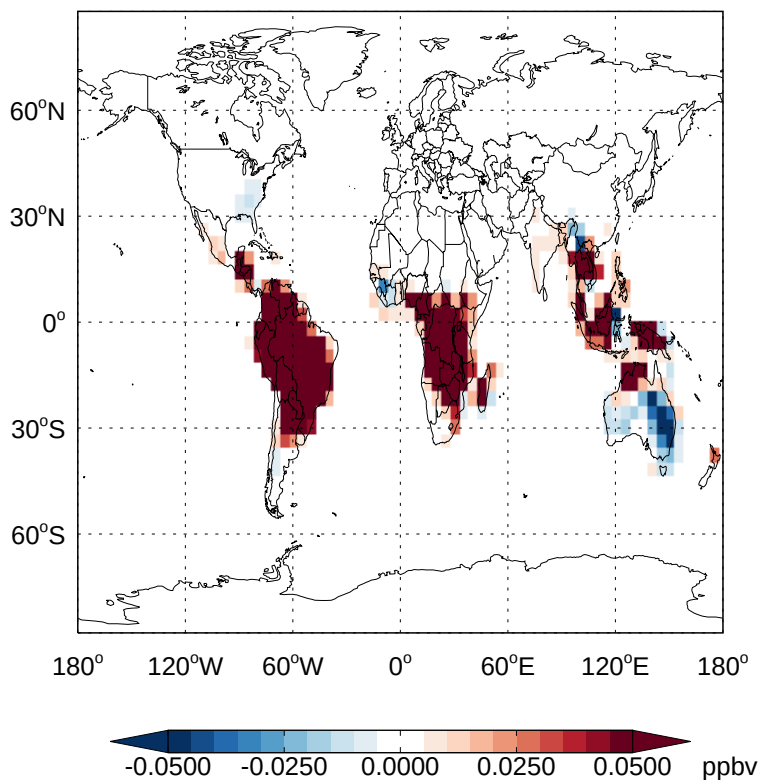
RCHO- Diff @ 500 hPa for Jan



# GEOS-Chem Difference Maps at surface and 500 hPa

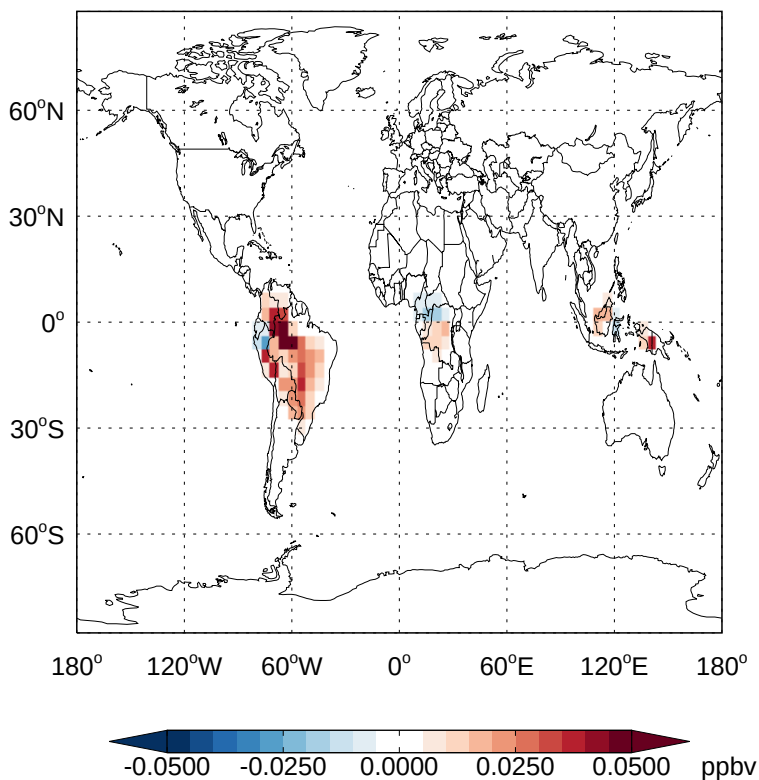
v11-02e-Run1 - v11-02e-Run0

MVK - Diff @ Surface for Jan



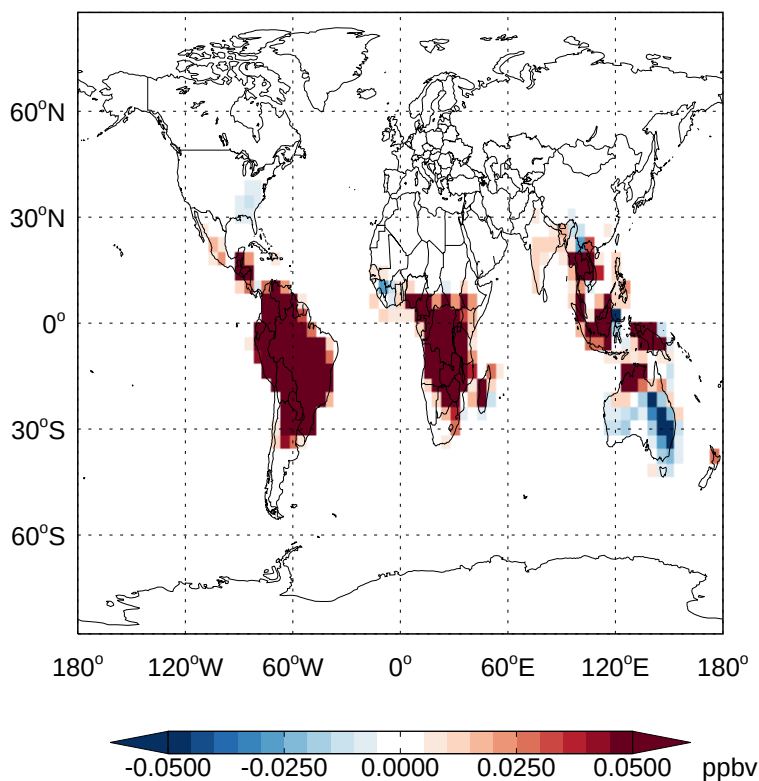
v11-02e-Run1 - v11-02e-Run0

MVK- Diff @ 500 hPa for Jan



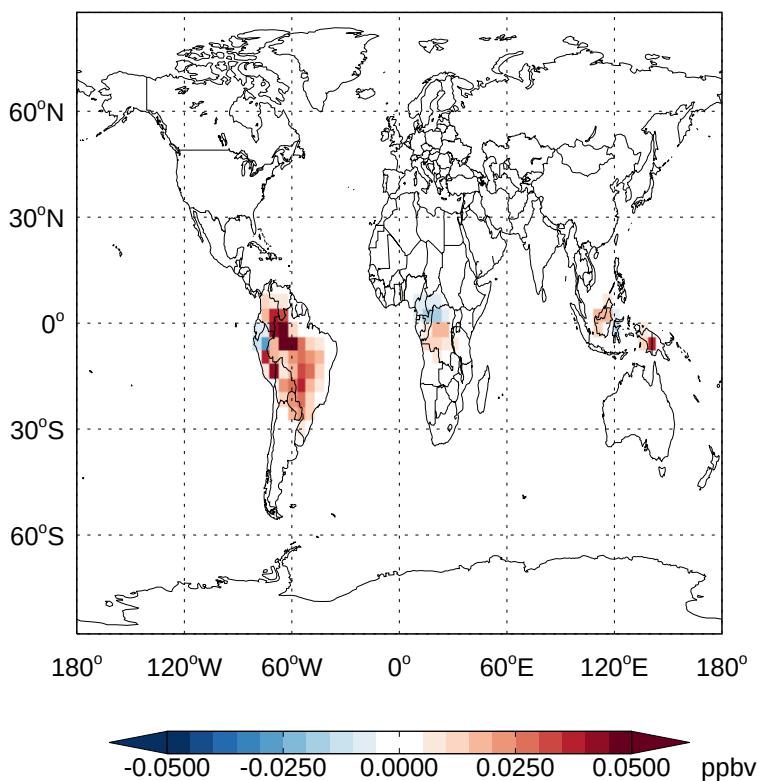
v11-02e-Run1 - v11-02d-Run1

MVK - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

MVK- Diff @ 500 hPa for Jan

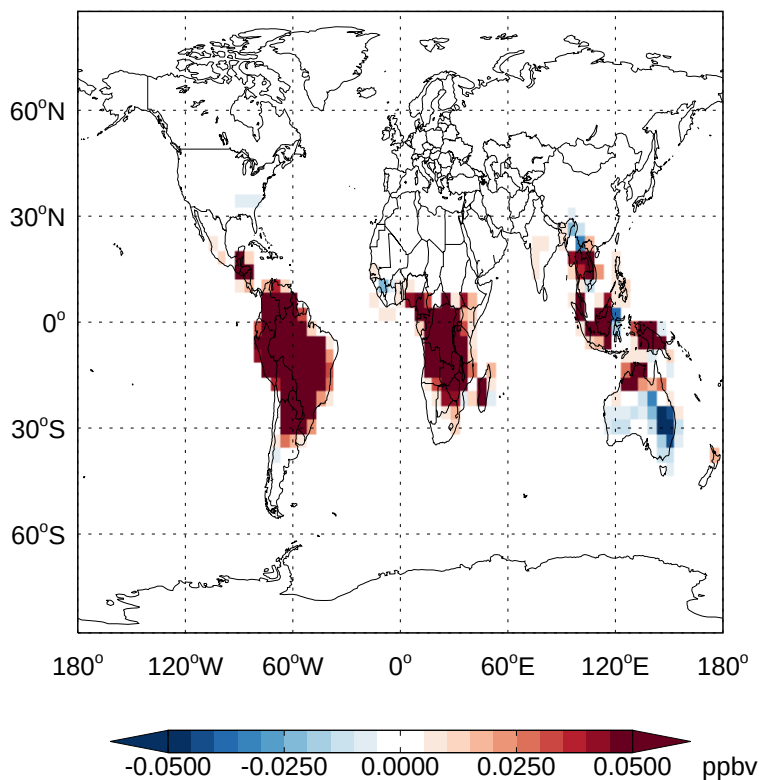




# GEOS-Chem Difference Maps at surface and 500 hPa

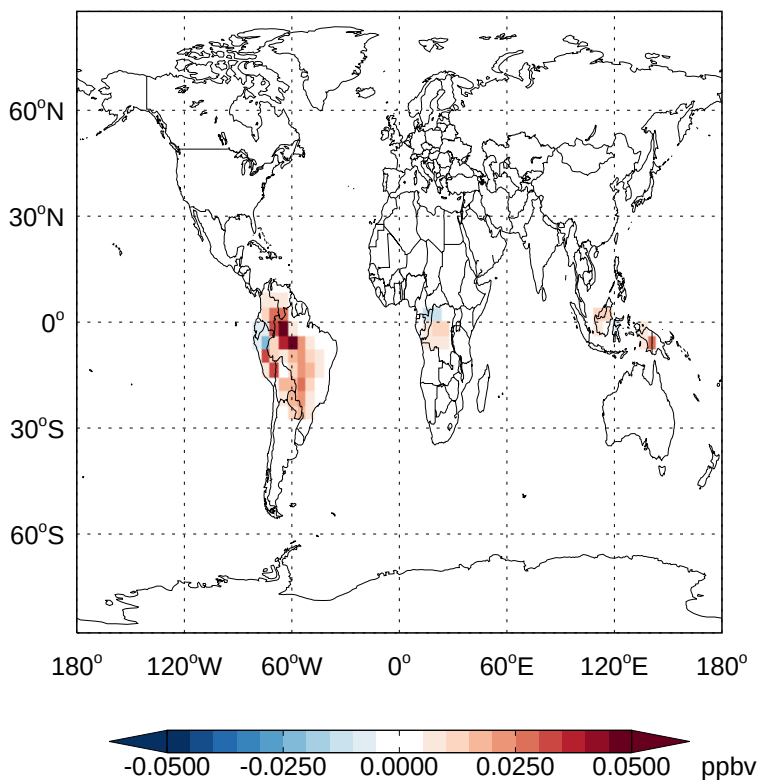
v11-02e-Run1 - v11-02e-Run0

MACR - Diff @ Surface for Jan



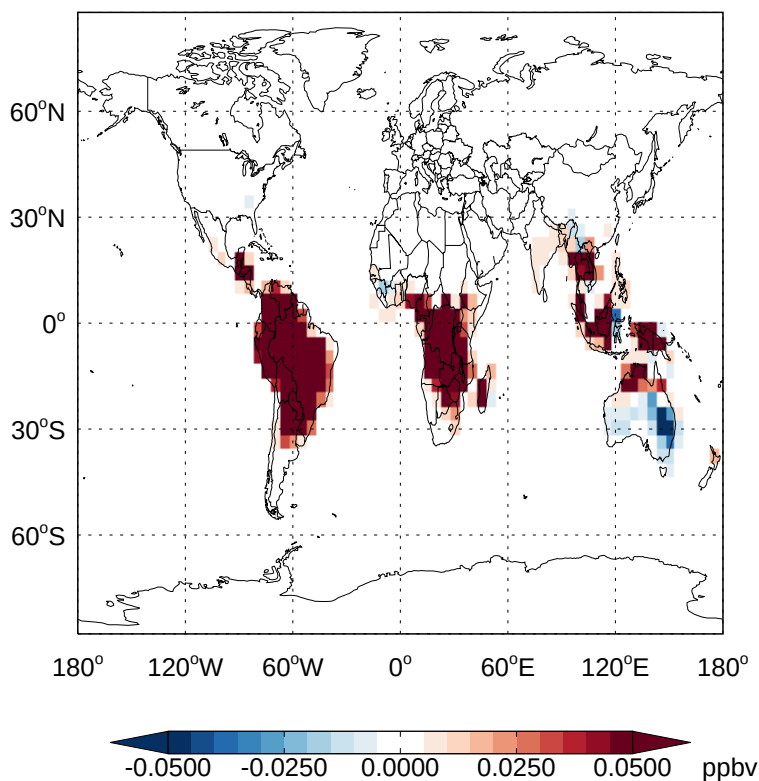
v11-02e-Run1 - v11-02e-Run0

MACR- Diff @ 500 hPa for Jan



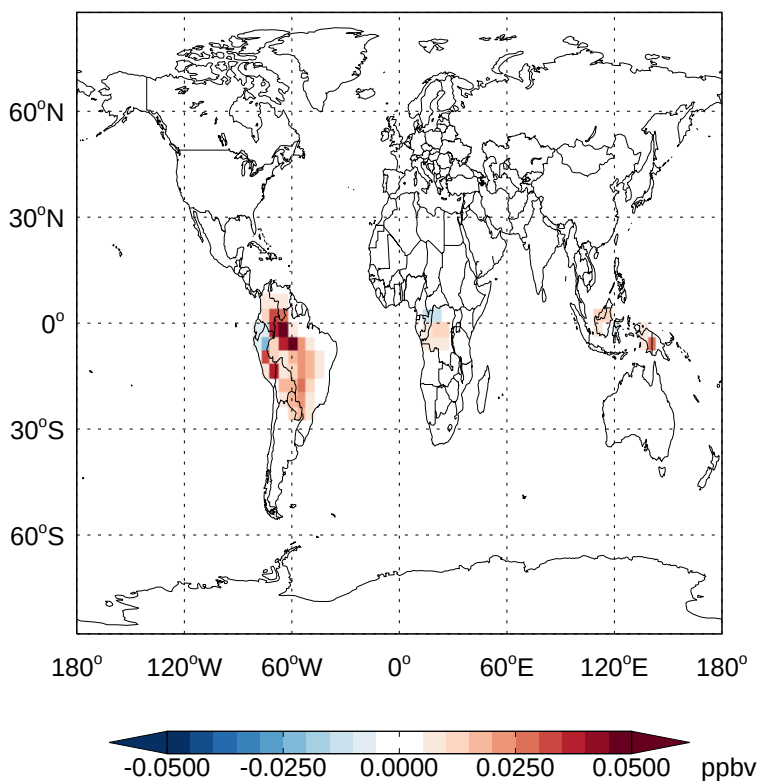
v11-02e-Run1 - v11-02d-Run1

MACR - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

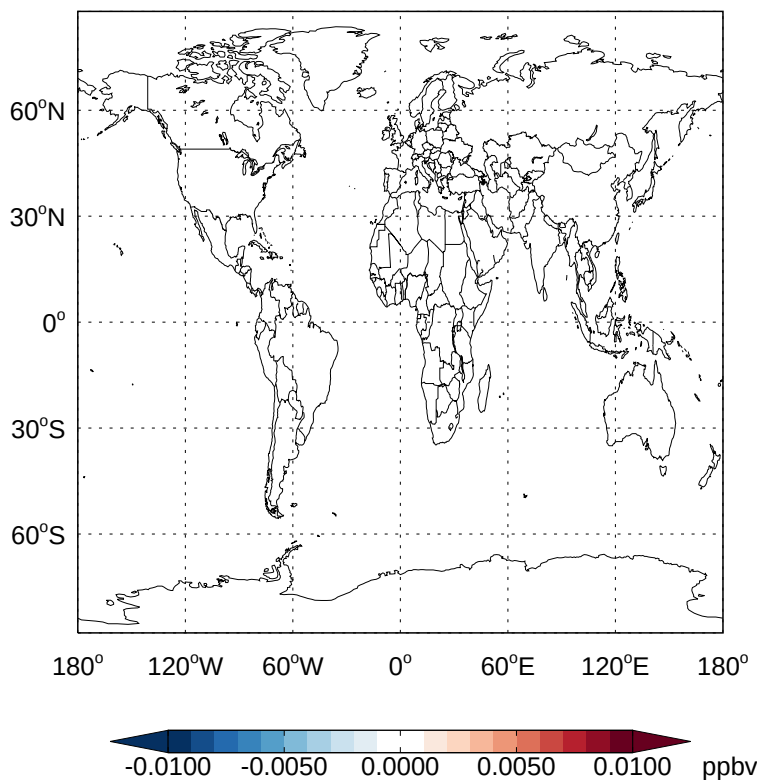
MACR- Diff @ 500 hPa for Jan



# GEOS-Chem Difference Maps at surface and 500 hPa

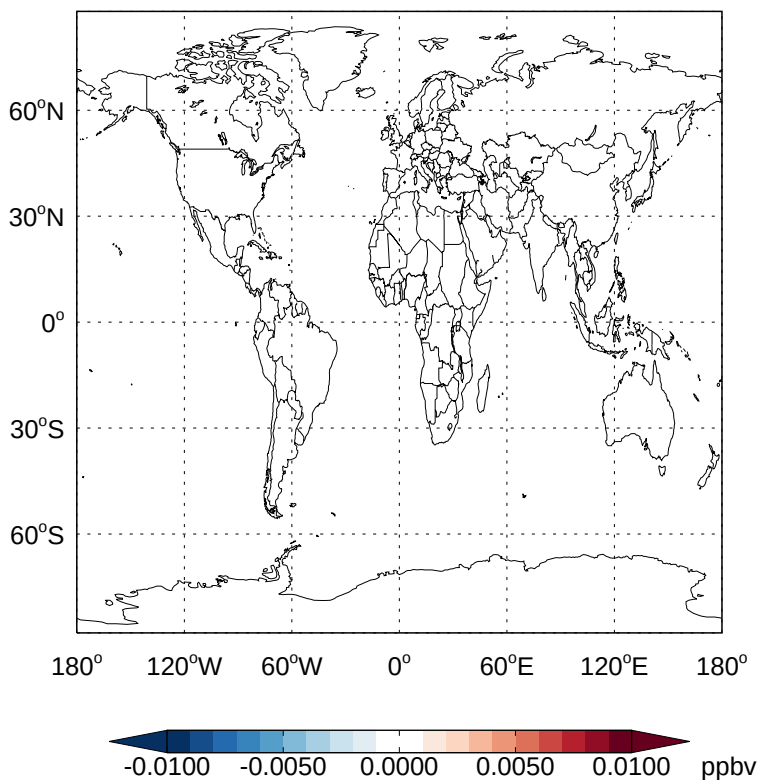
v11-02e-Run1 - v11-02e-Run0

NPMN - Diff @ Surface for Jan



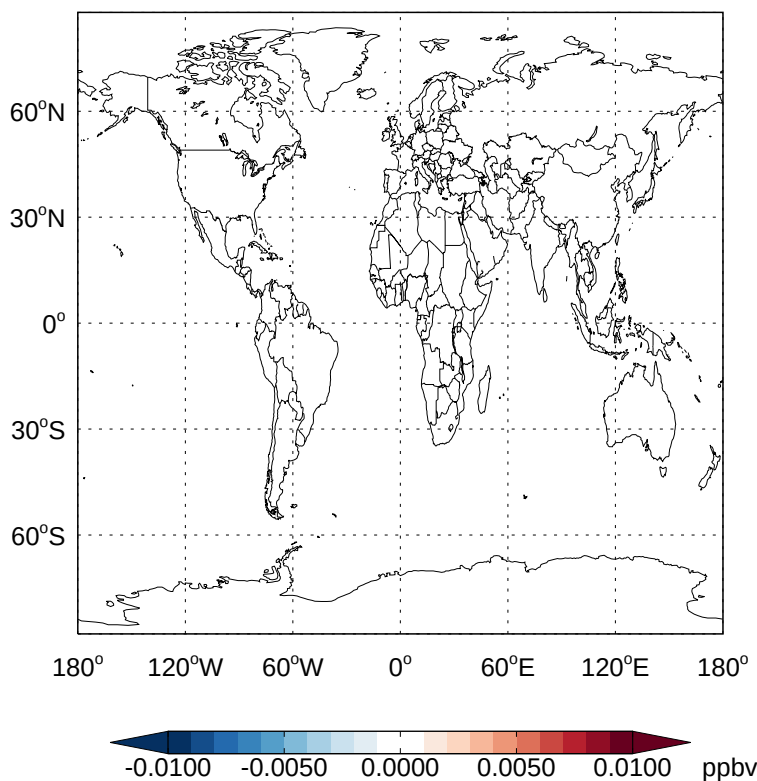
v11-02e-Run1 - v11-02e-Run0

NPMN- Diff @ 500 hPa for Jan



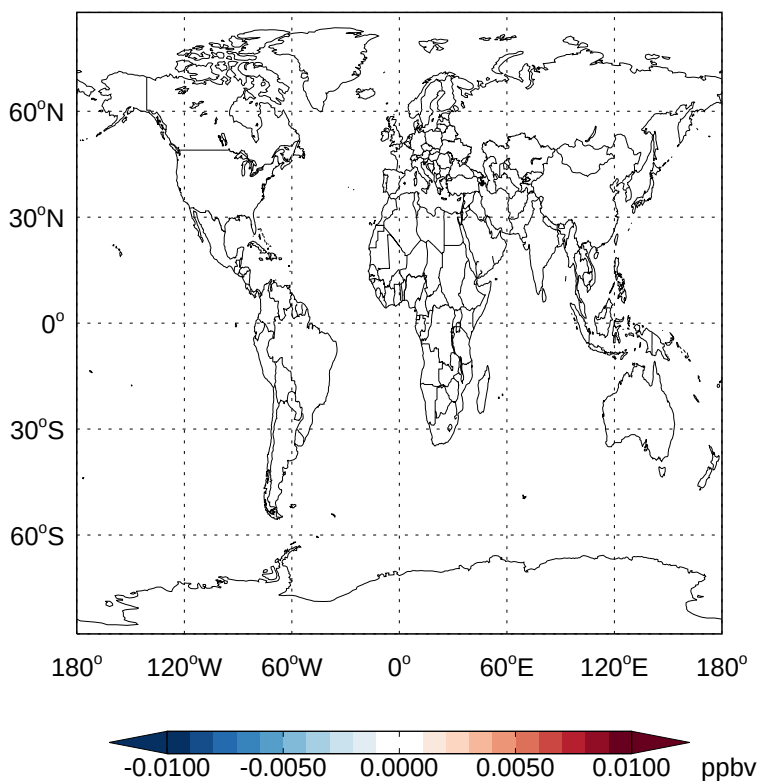
v11-02e-Run1 - v11-02d-Run1

NPMN - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

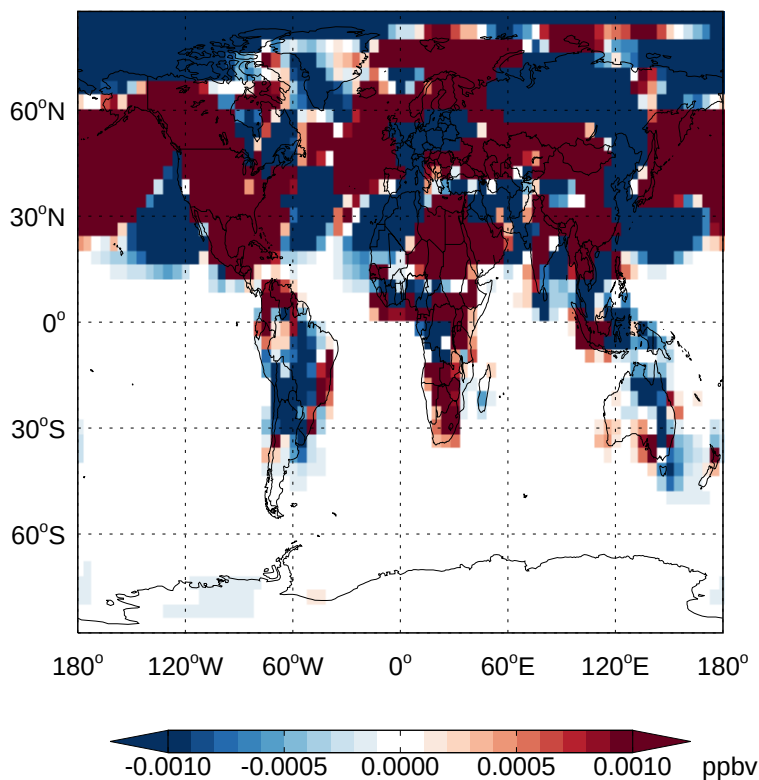
NPMN- Diff @ 500 hPa for Jan



## GEOS-Chem Difference Maps at surface and 500 hPa

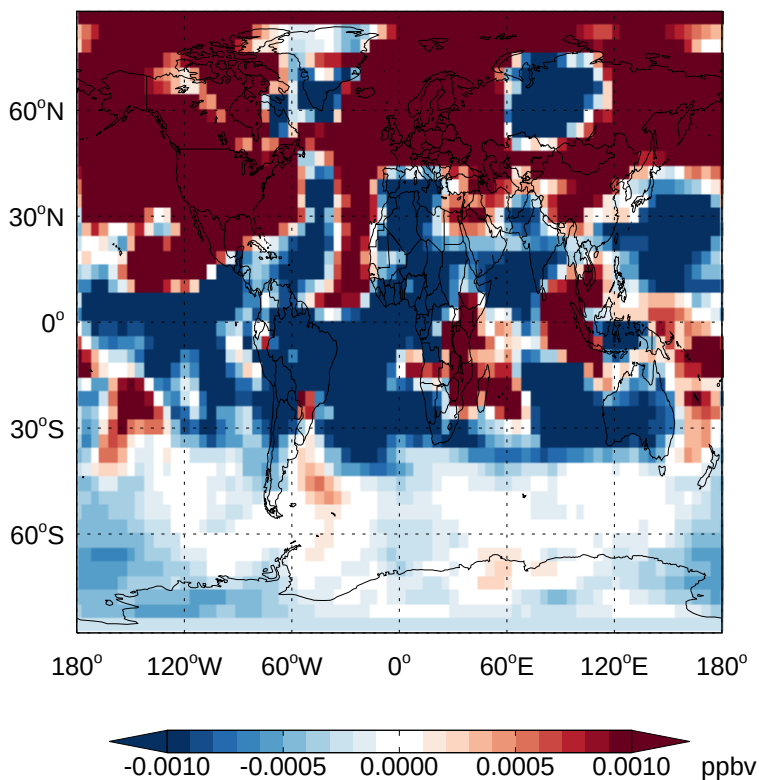
v11-02e-Run1 - v11-02e-Run0

PPN - Diff @ Surface for Jan



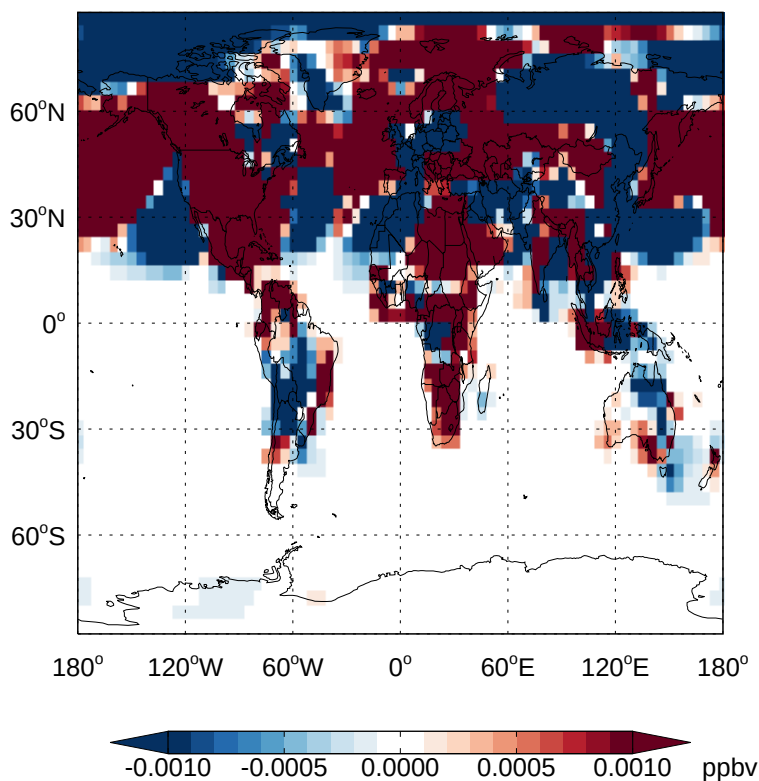
v11-02e-Run1 - v11-02e-Run0

PPN- Diff @ 500 hPa for Jan



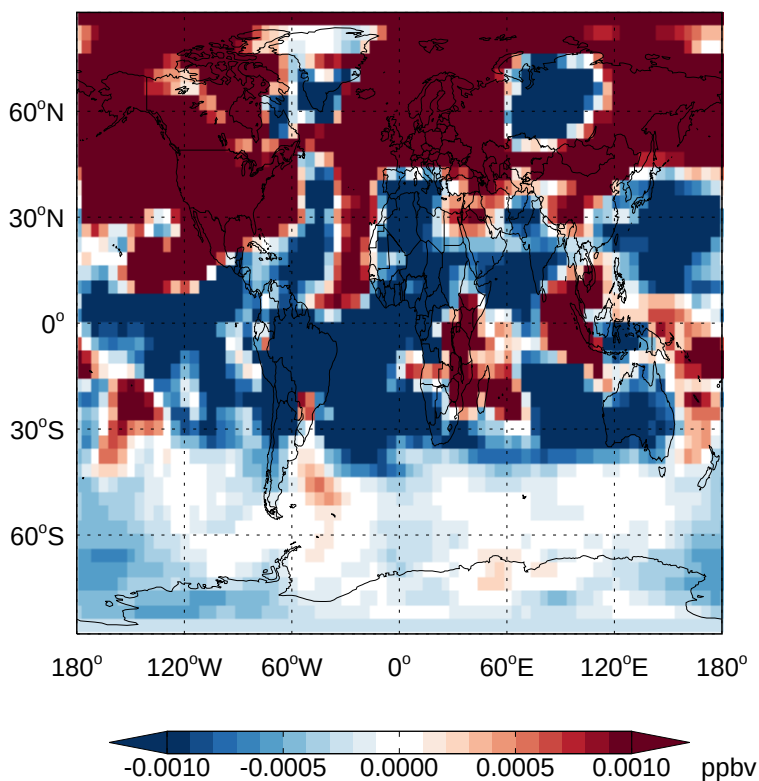
v11-02e-Run1 - v11-02d-Run1

PPN - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

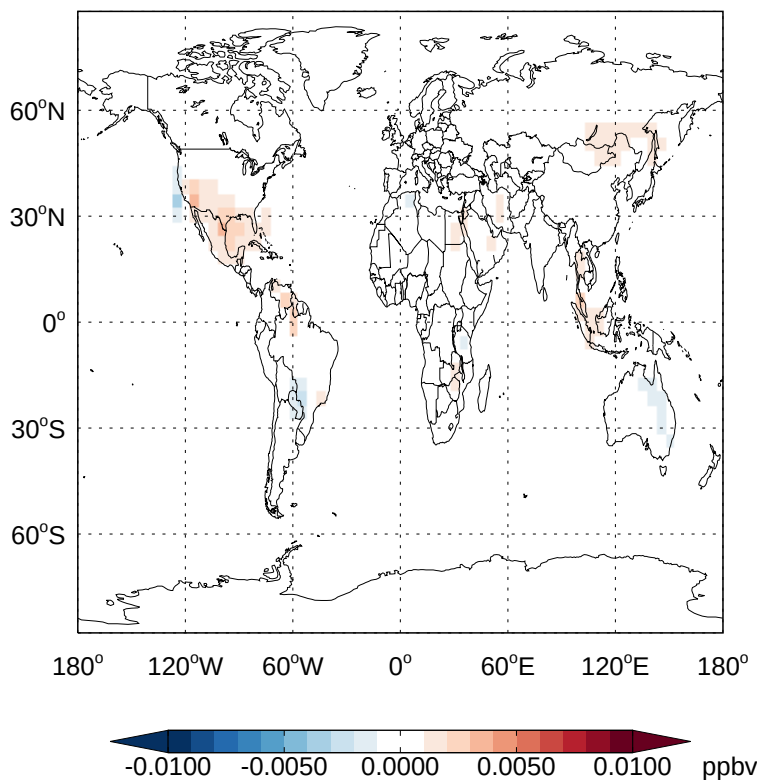
PPN- Diff @ 500 hPa for Jan



# GEOS-Chem Difference Maps at surface and 500 hPa

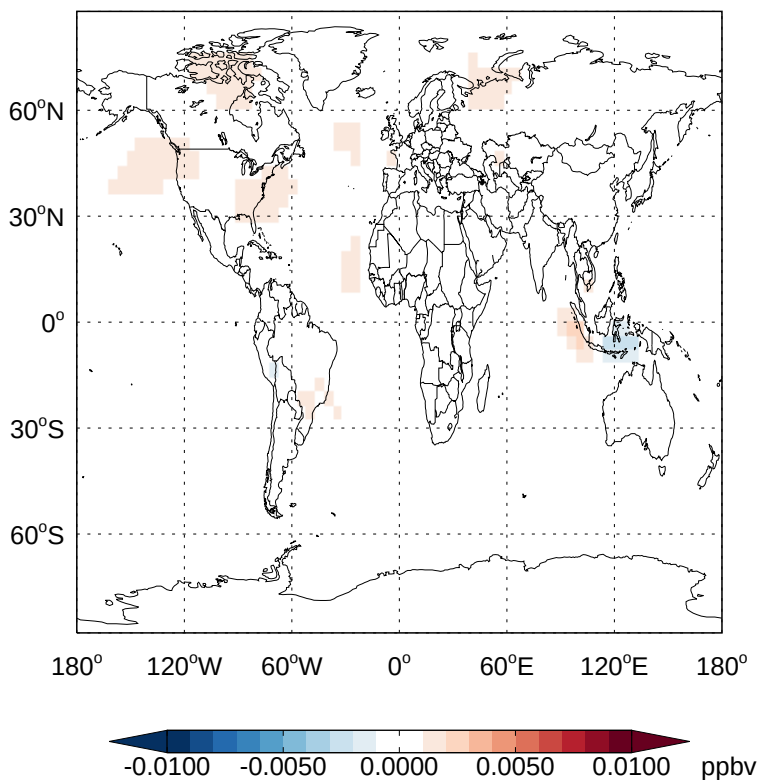
v11-02e-Run1 - v11-02e-Run0

R4N2 - Diff @ Surface for Jan



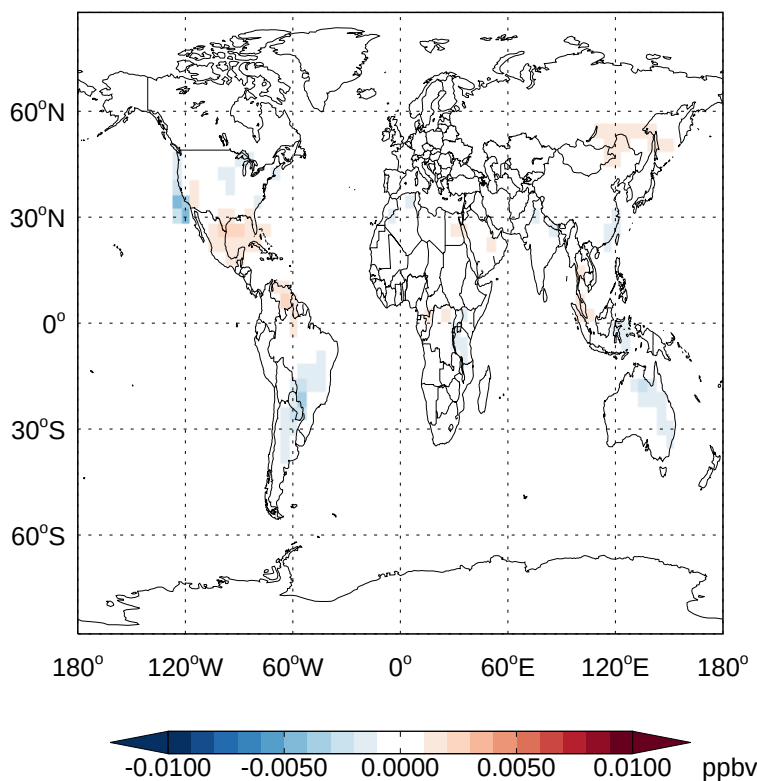
v11-02e-Run1 - v11-02e-Run0

R4N2- Diff @ 500 hPa for Jan



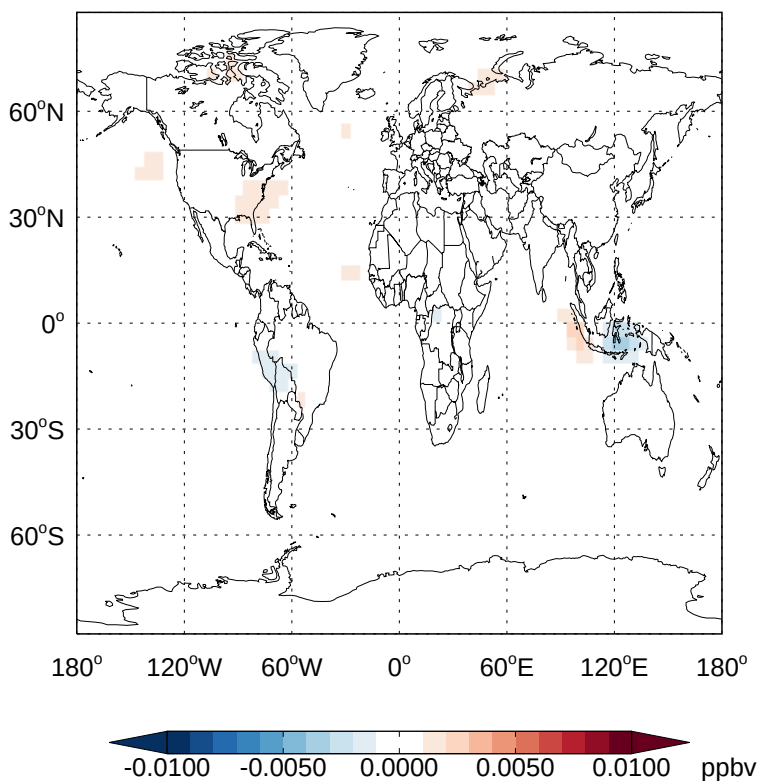
v11-02e-Run1 - v11-02d-Run1

R4N2 - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

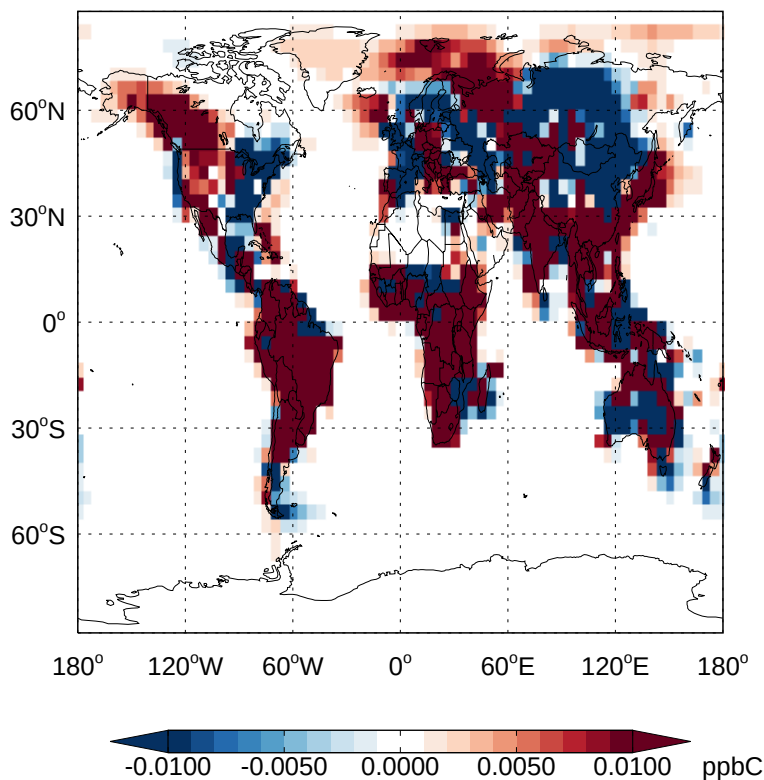
R4N2- Diff @ 500 hPa for Jan



# GEOS-Chem Difference Maps at surface and 500 hPa

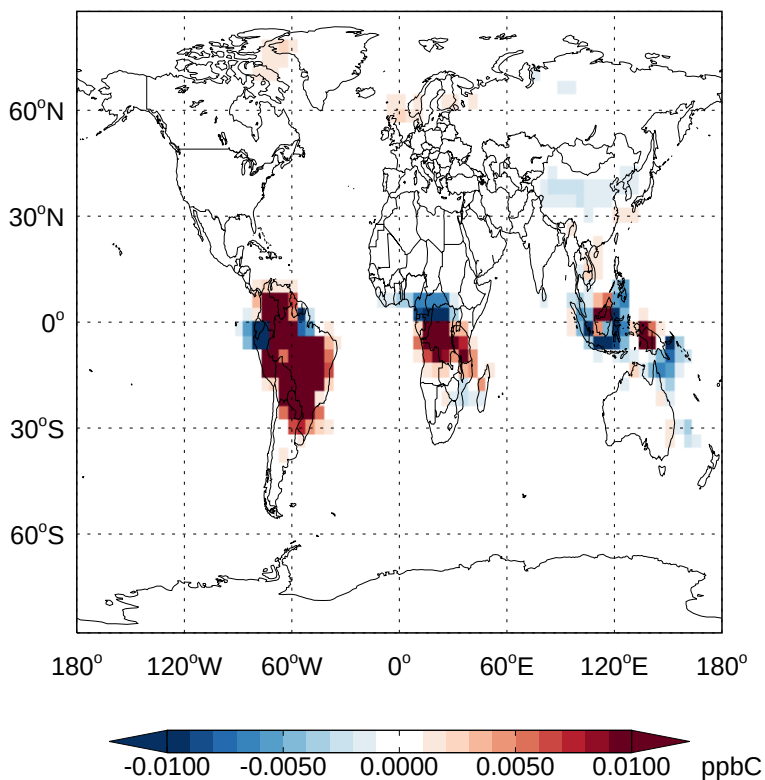
v11-02e-Run1 - v11-02e-Run0

PRPE - Diff @ Surface for Jan



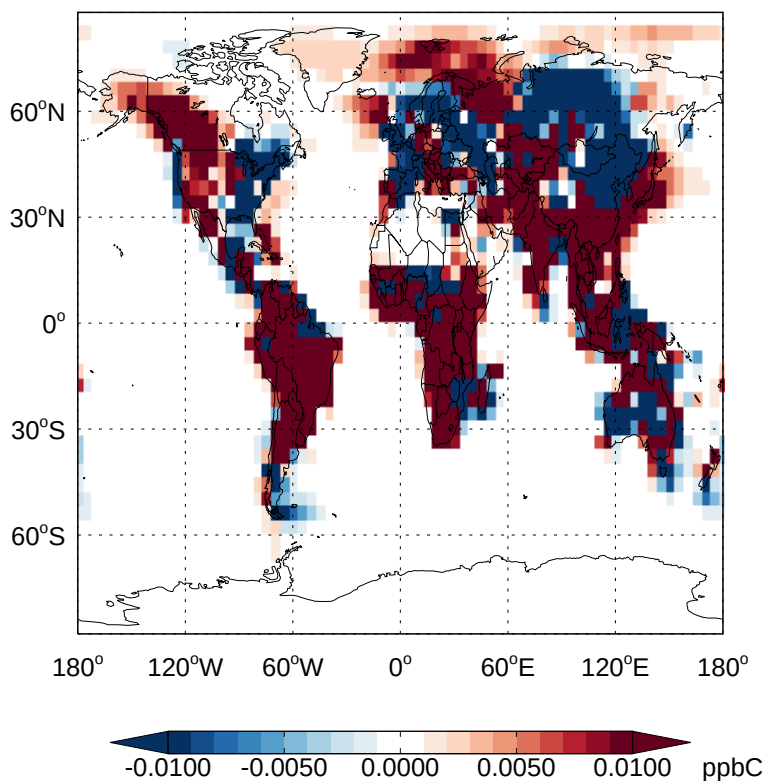
v11-02e-Run1 - v11-02e-Run0

PRPE- Diff @ 500 hPa for Jan



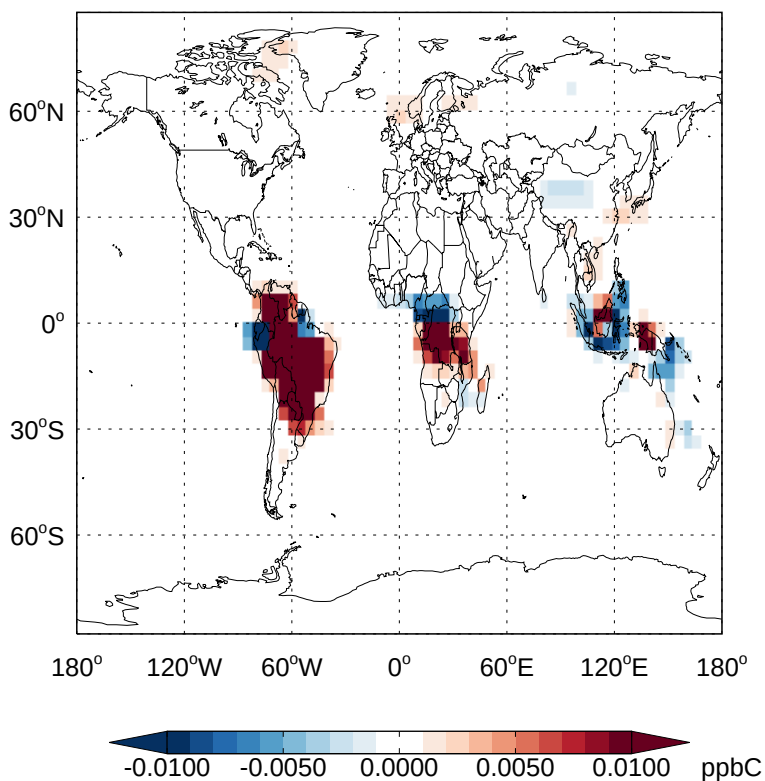
v11-02e-Run1 - v11-02d-Run1

PRPE - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

PRPE- Diff @ 500 hPa for Jan

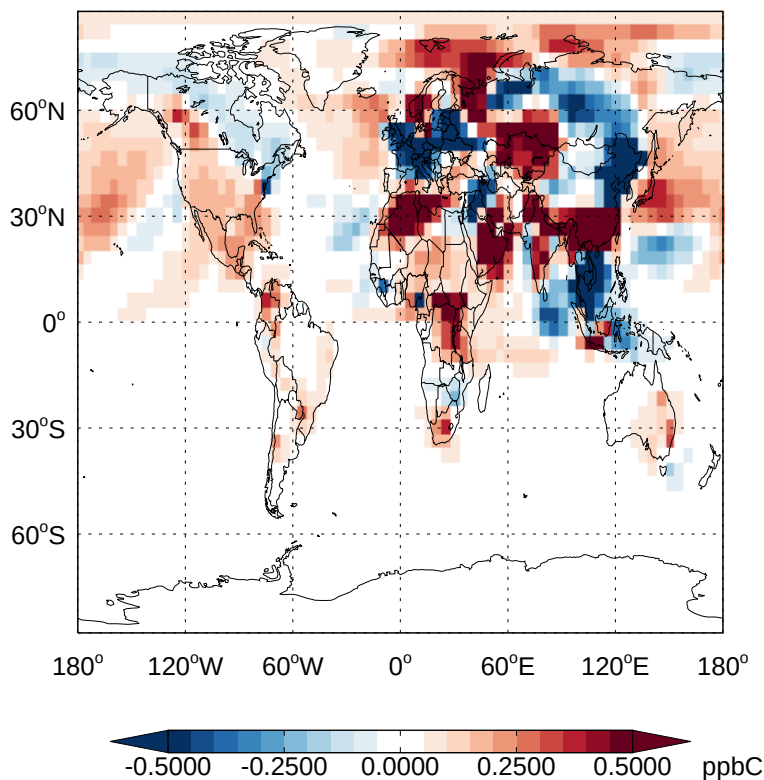




# GEOS-Chem Difference Maps at surface and 500 hPa

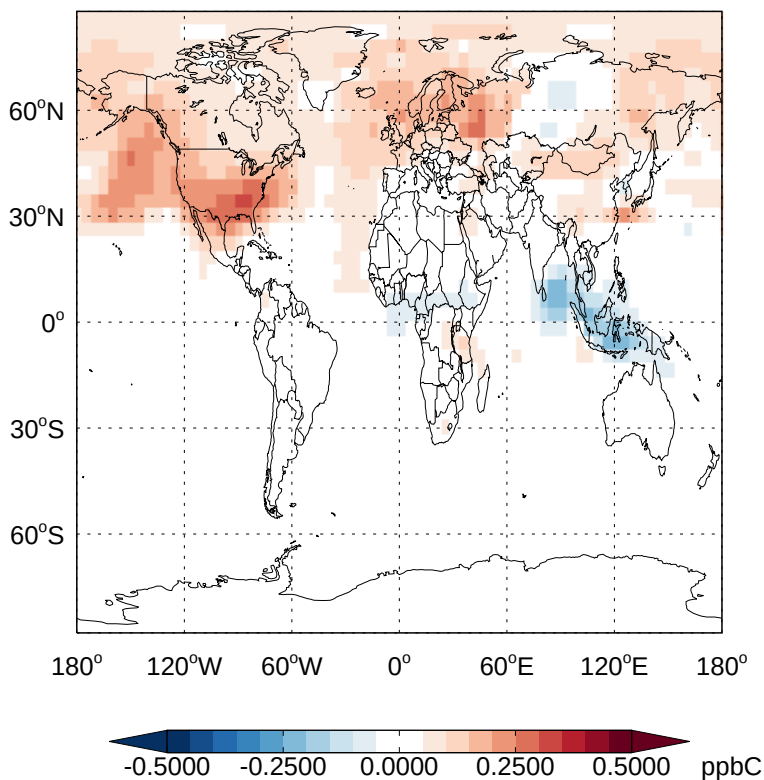
v11-02e-Run1 - v11-02e-Run0

C3H8 - Diff @ Surface for Jan



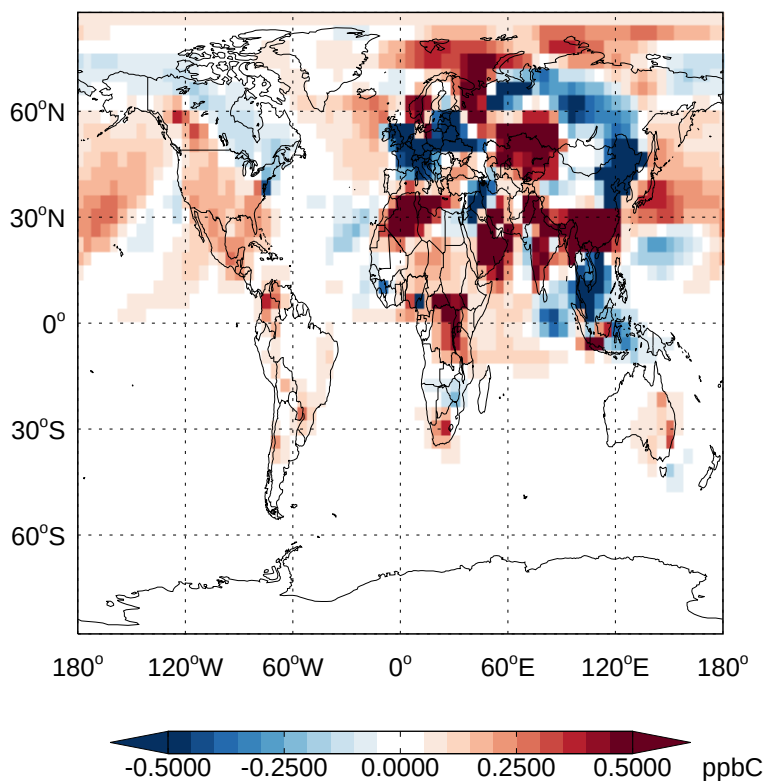
v11-02e-Run1 - v11-02e-Run0

C3H8- Diff @ 500 hPa for Jan



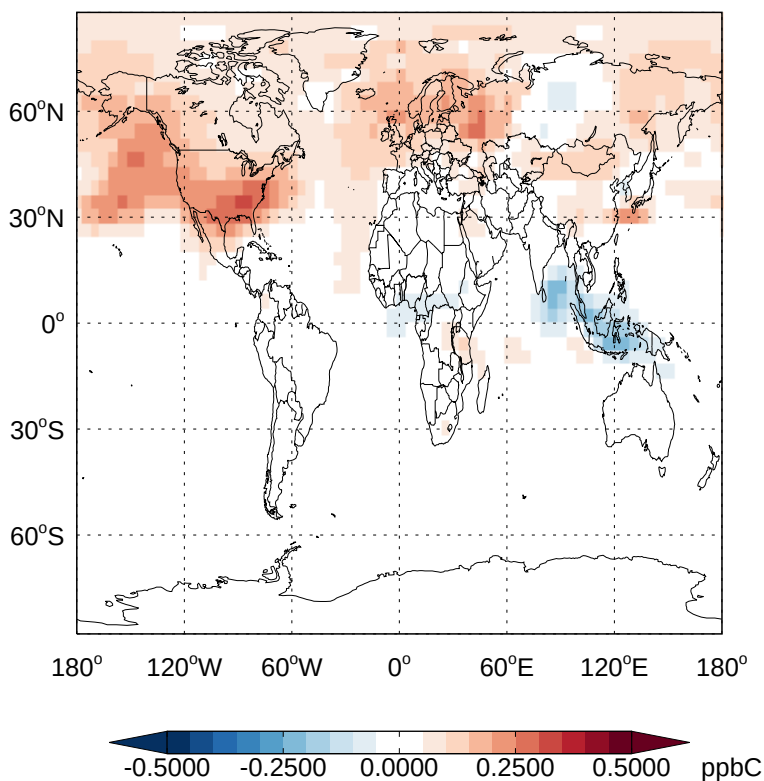
v11-02e-Run1 - v11-02d-Run1

C3H8 - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

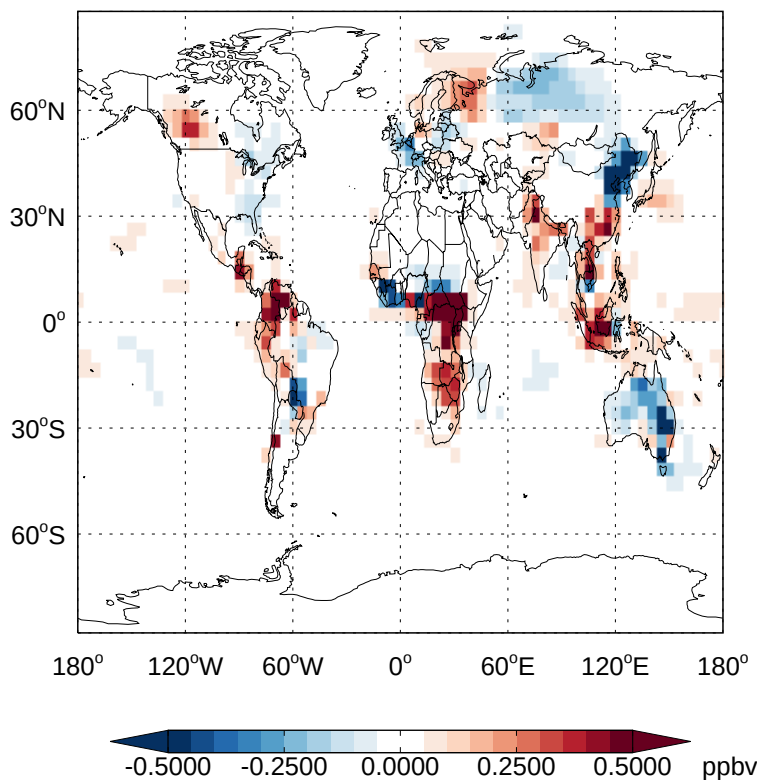
C3H8- Diff @ 500 hPa for Jan



# GEOS-Chem Difference Maps at surface and 500 hPa

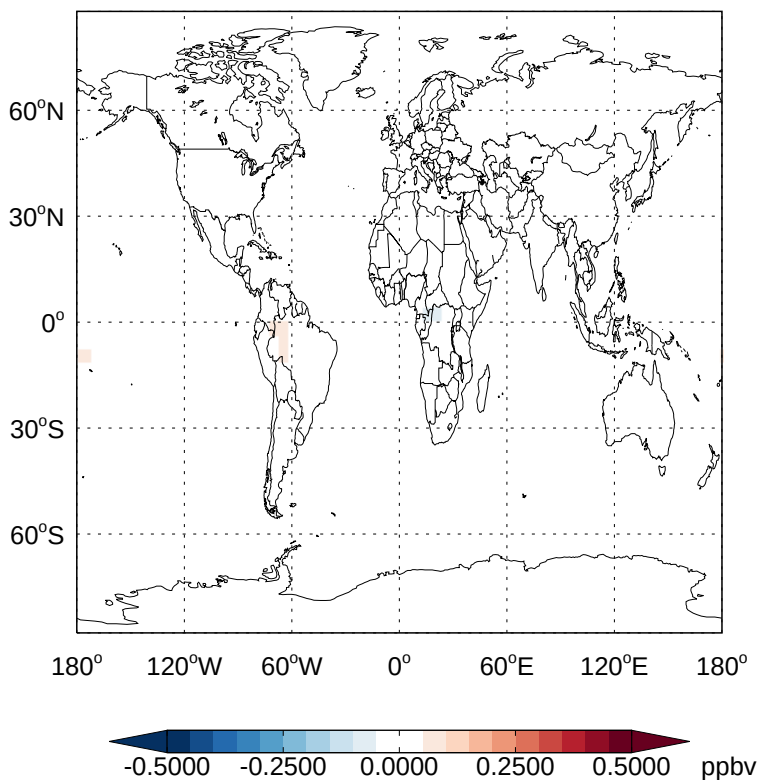
v11-02e-Run1 - v11-02e-Run0

CH<sub>2</sub>O - Diff @ Surface for Jan



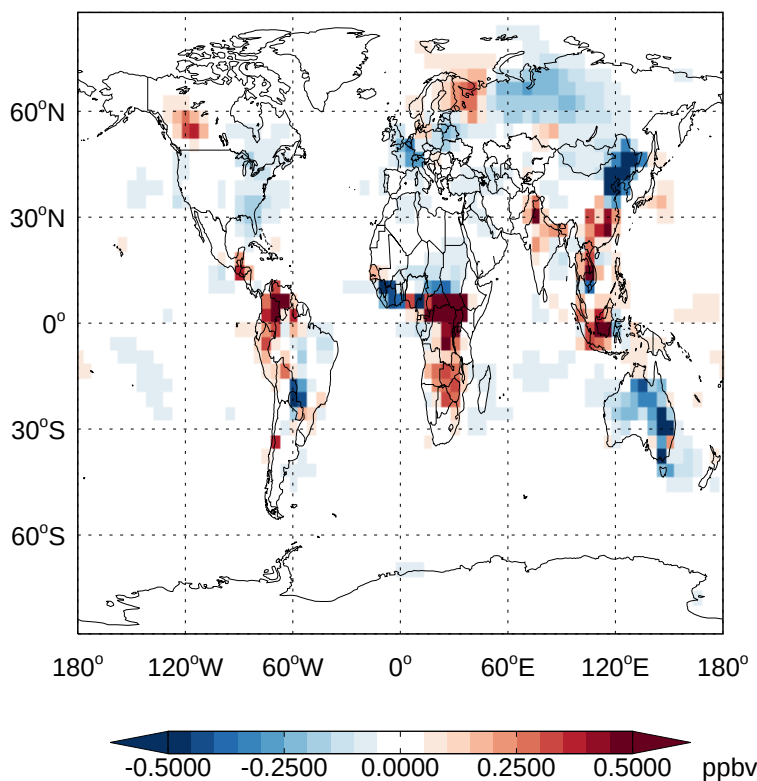
v11-02e-Run1 - v11-02e-Run0

CH<sub>2</sub>O- Diff @ 500 hPa for Jan



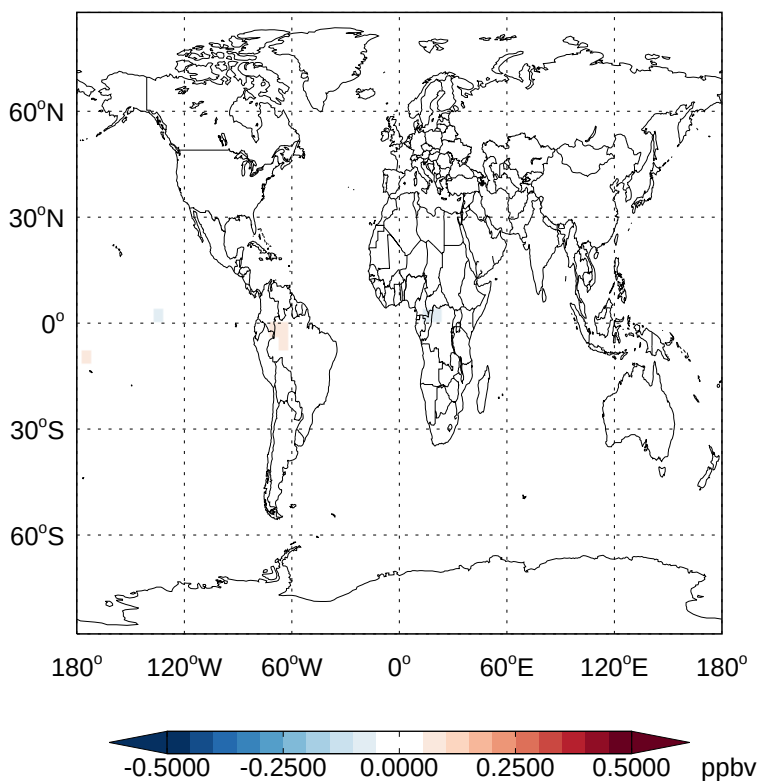
v11-02e-Run1 - v11-02d-Run1

CH<sub>2</sub>O - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

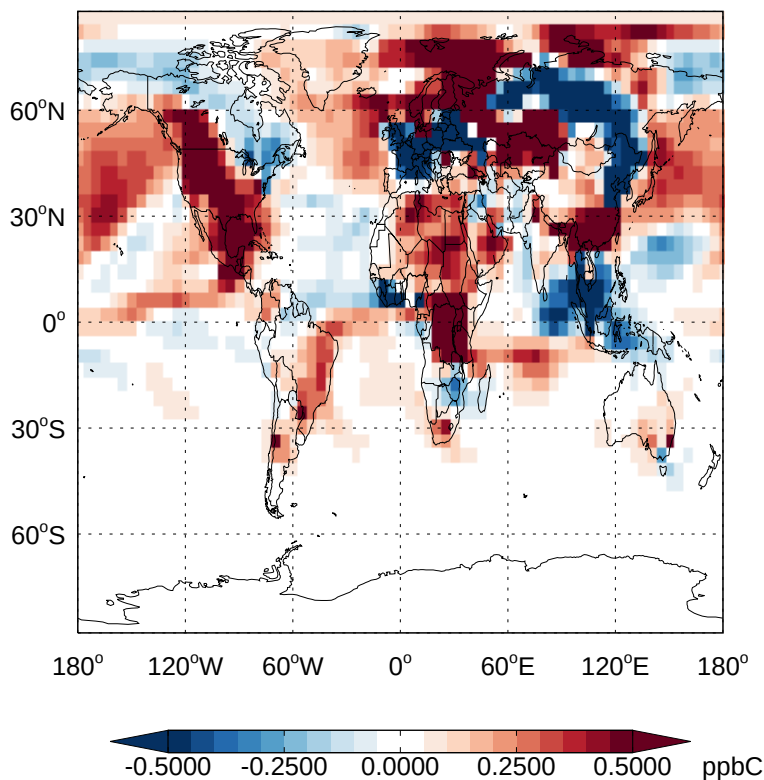
CH<sub>2</sub>O- Diff @ 500 hPa for Jan



# GEOS-Chem Difference Maps at surface and 500 hPa

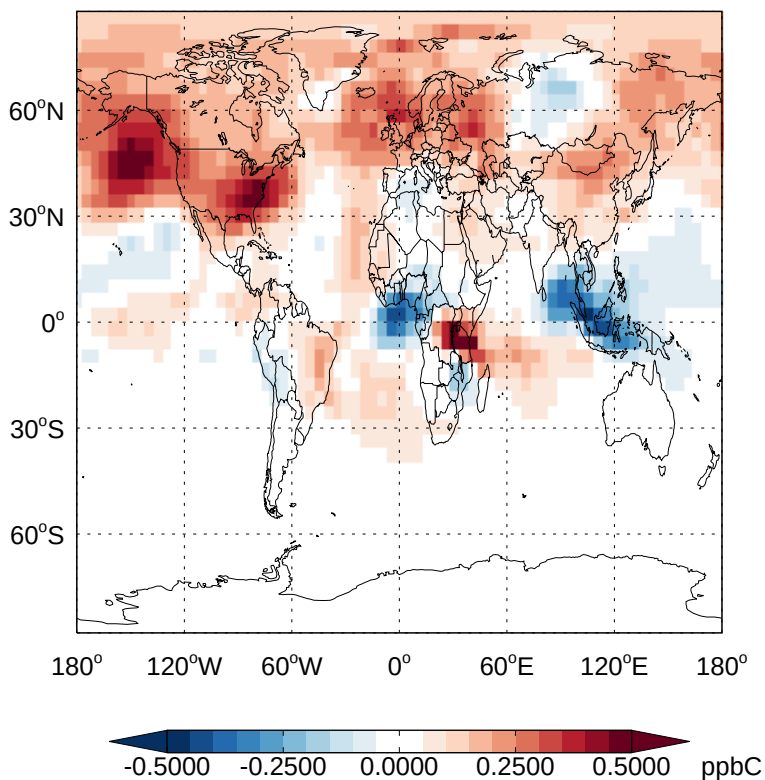
v11-02e-Run1 - v11-02e-Run0

C2H6 - Diff @ Surface for Jan



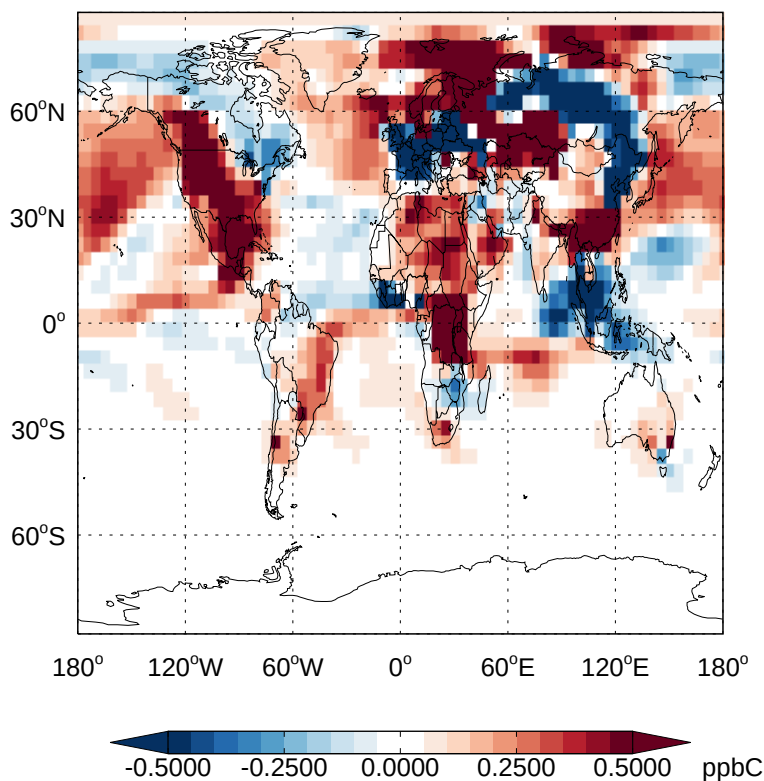
v11-02e-Run1 - v11-02e-Run0

C2H6- Diff @ 500 hPa for Jan



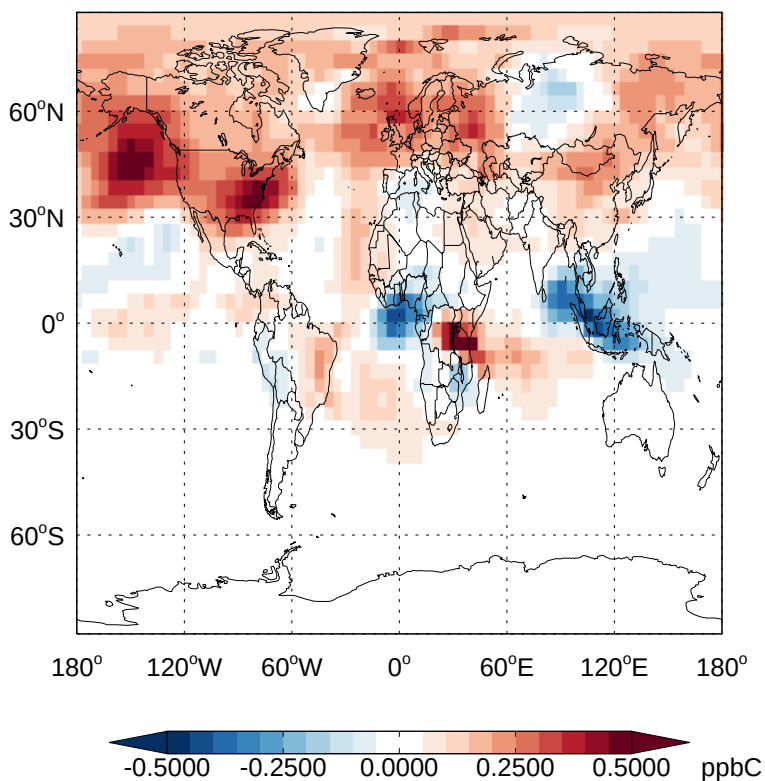
v11-02e-Run1 - v11-02d-Run1

C2H6 - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

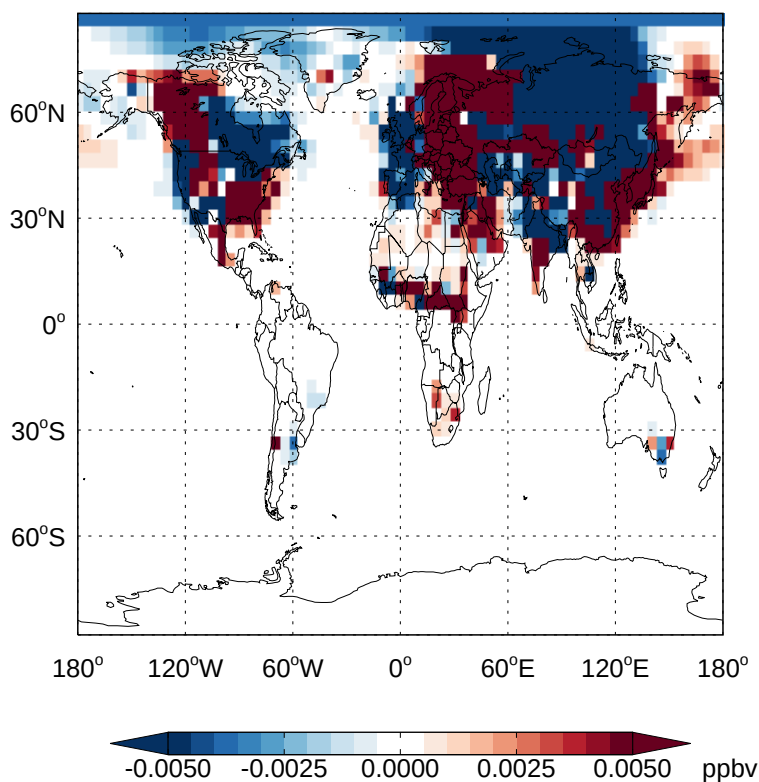
C2H6- Diff @ 500 hPa for Jan



# GEOS-Chem Difference Maps at surface and 500 hPa

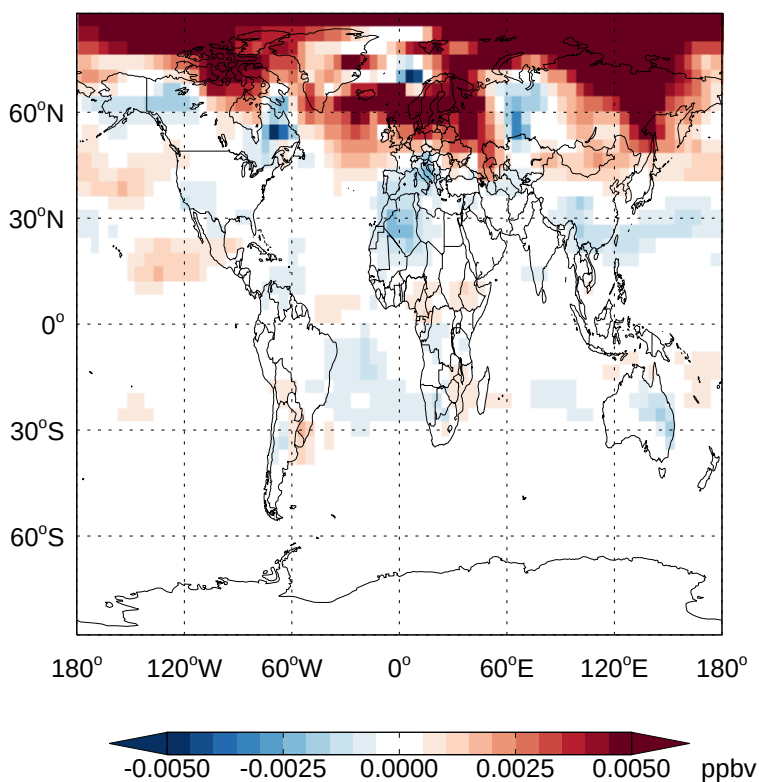
v11-02e-Run1 - v11-02e-Run0

N2O5 - Diff @ Surface for Jan



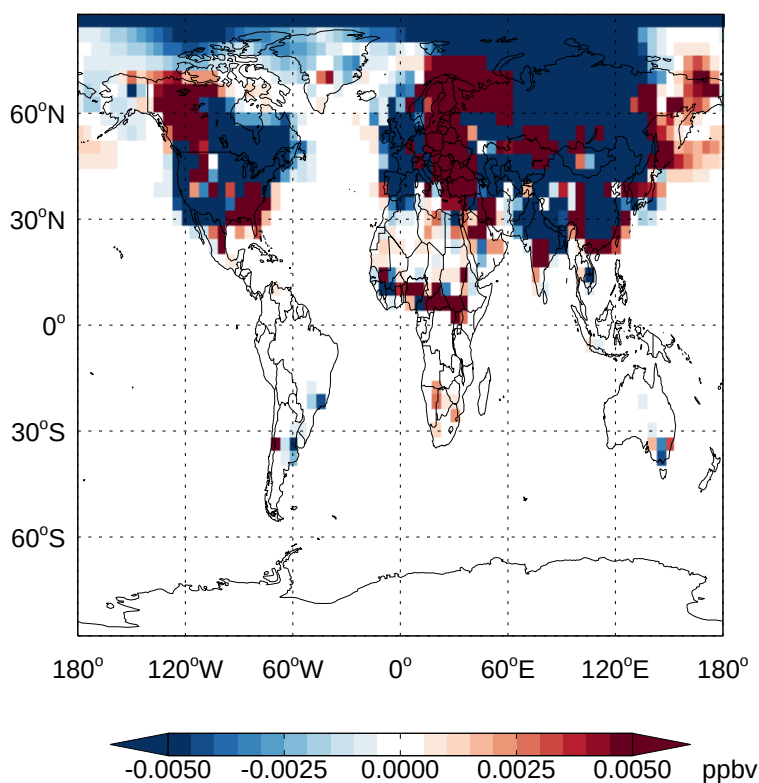
v11-02e-Run1 - v11-02e-Run0

N2O5- Diff @ 500 hPa for Jan



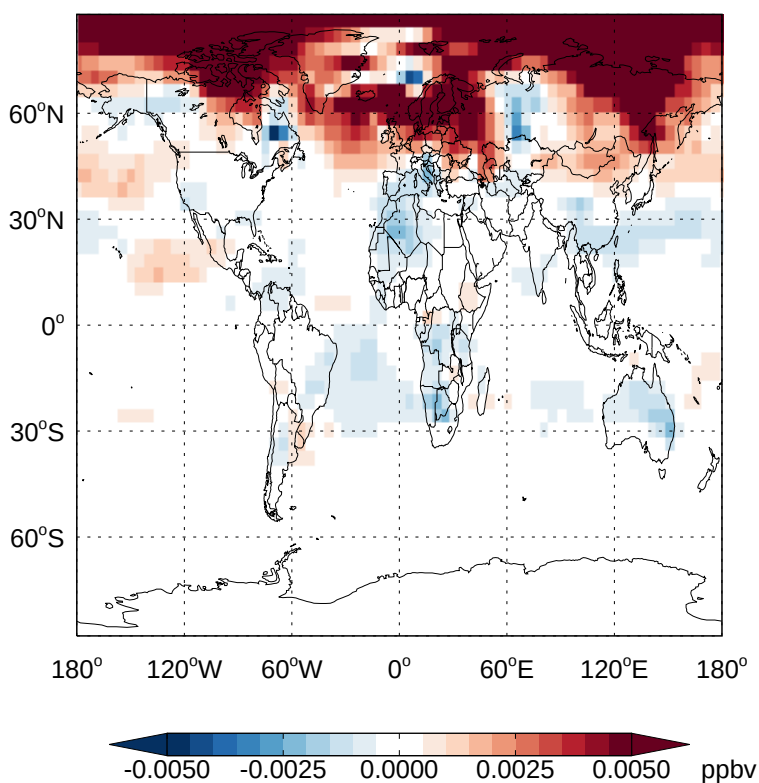
v11-02e-Run1 - v11-02d-Run1

N2O5 - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

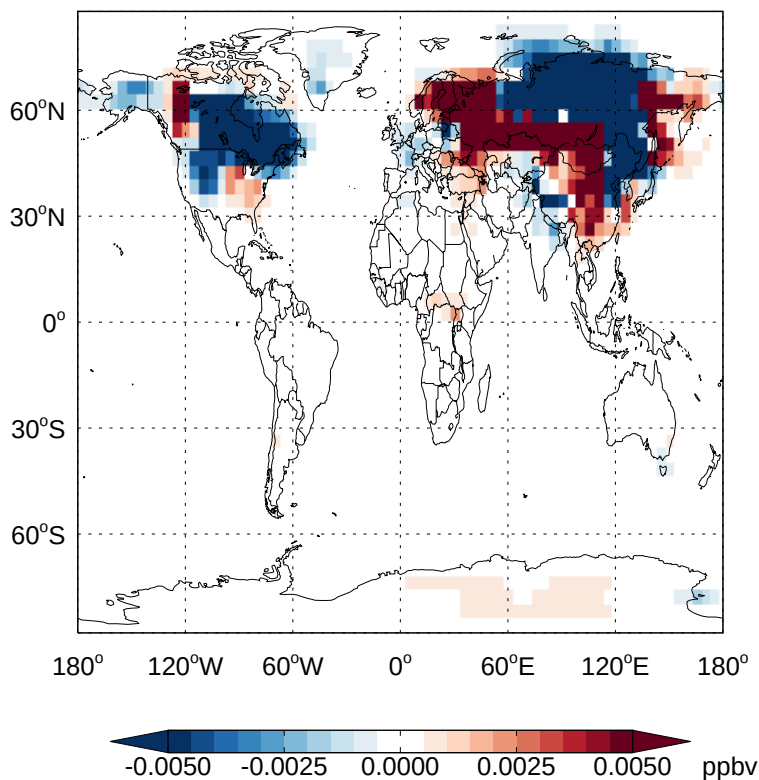
N2O5- Diff @ 500 hPa for Jan



# GEOS-Chem Difference Maps at surface and 500 hPa

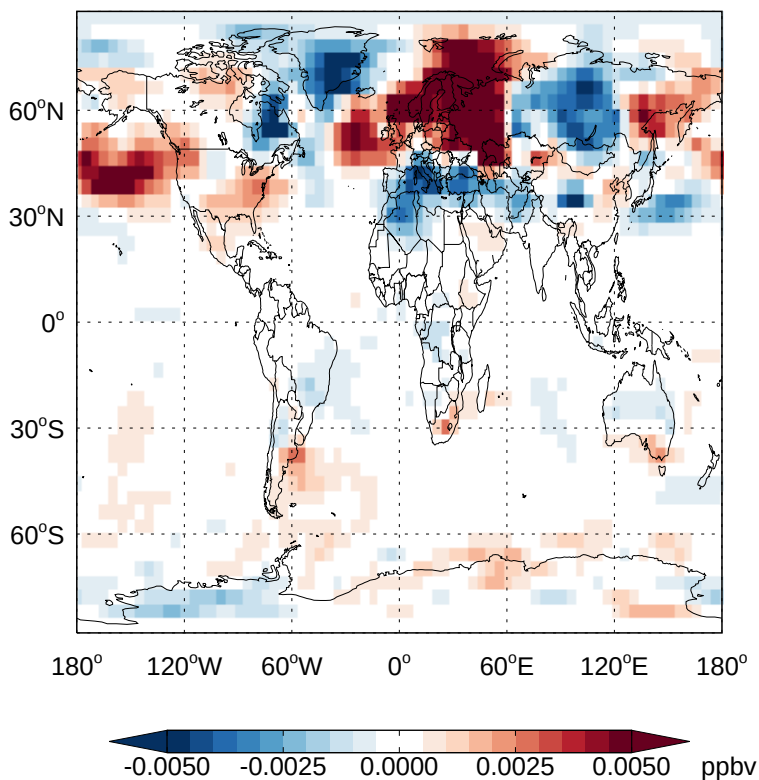
v11-02e-Run1 - v11-02e-Run0

HNO<sub>4</sub> - Diff @ Surface for Jan



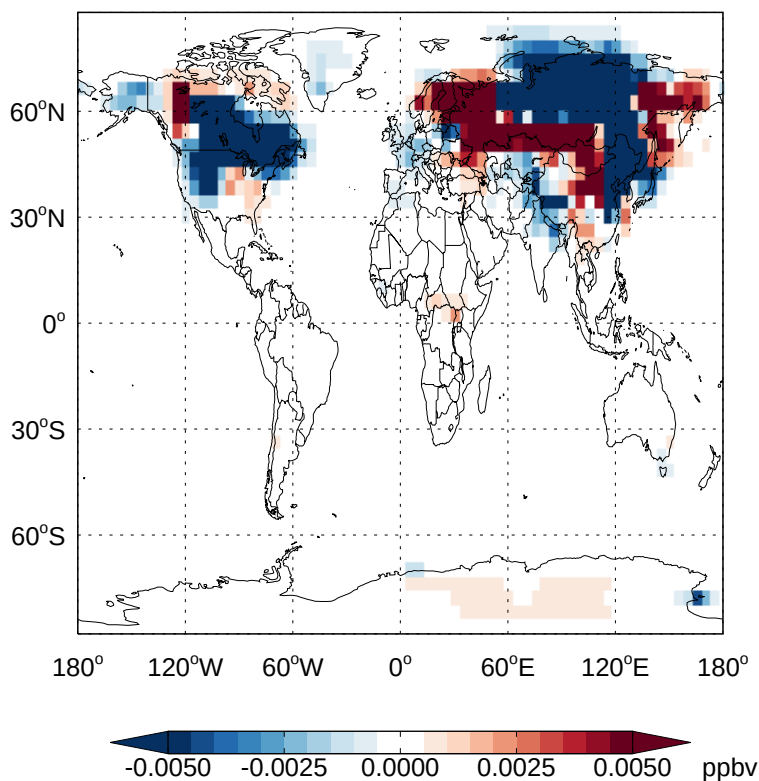
v11-02e-Run1 - v11-02e-Run0

HNO<sub>4</sub>- Diff @ 500 hPa for Jan



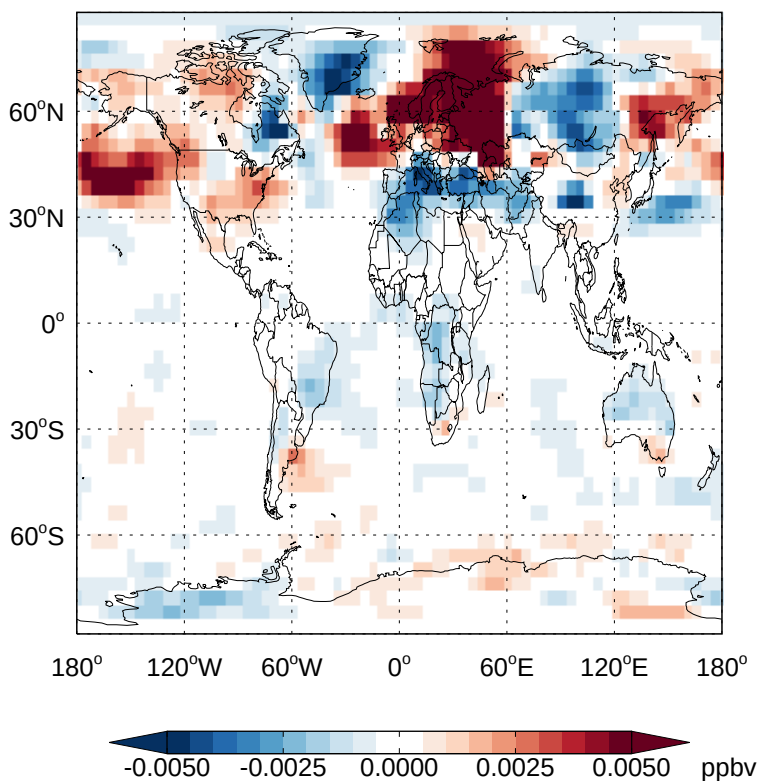
v11-02e-Run1 - v11-02d-Run1

HNO<sub>4</sub> - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

HNO<sub>4</sub>- Diff @ 500 hPa for Jan

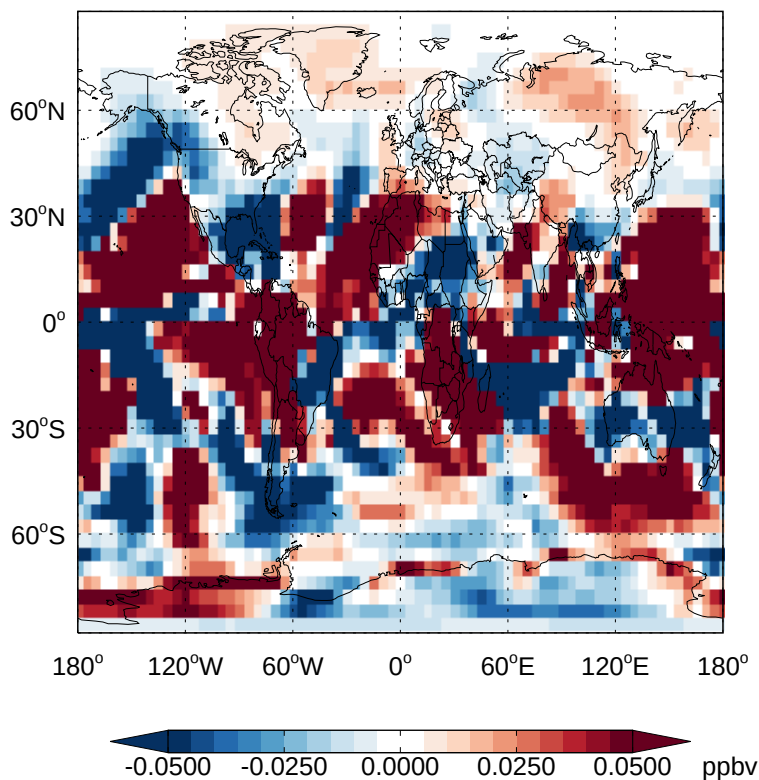




# GEOS-Chem Difference Maps at surface and 500 hPa

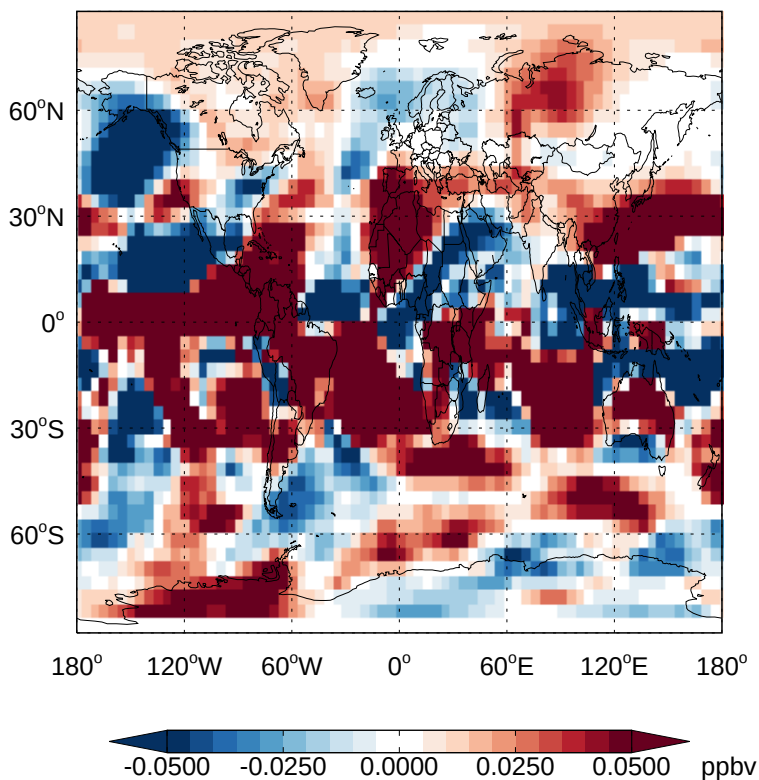
v11-02e-Run1 - v11-02e-Run0

MP - Diff @ Surface for Jan



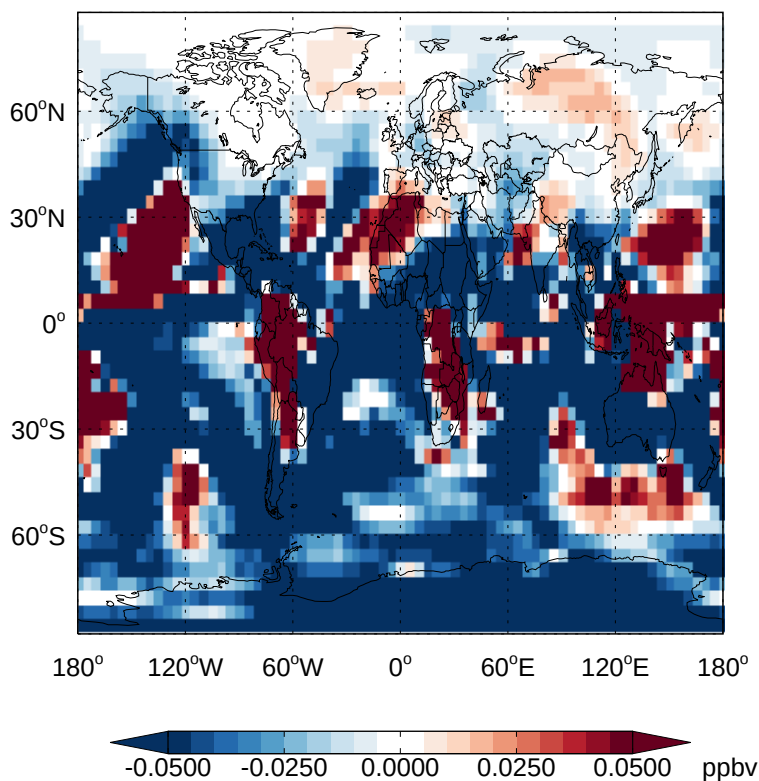
v11-02e-Run1 - v11-02e-Run0

MP- Diff @ 500 hPa for Jan



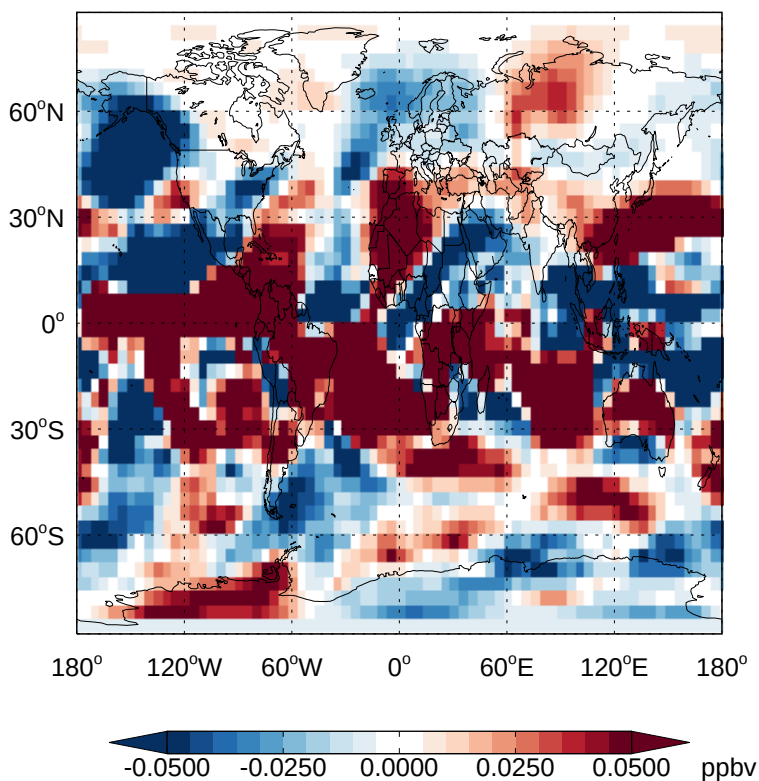
v11-02e-Run1 - v11-02d-Run1

MP - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

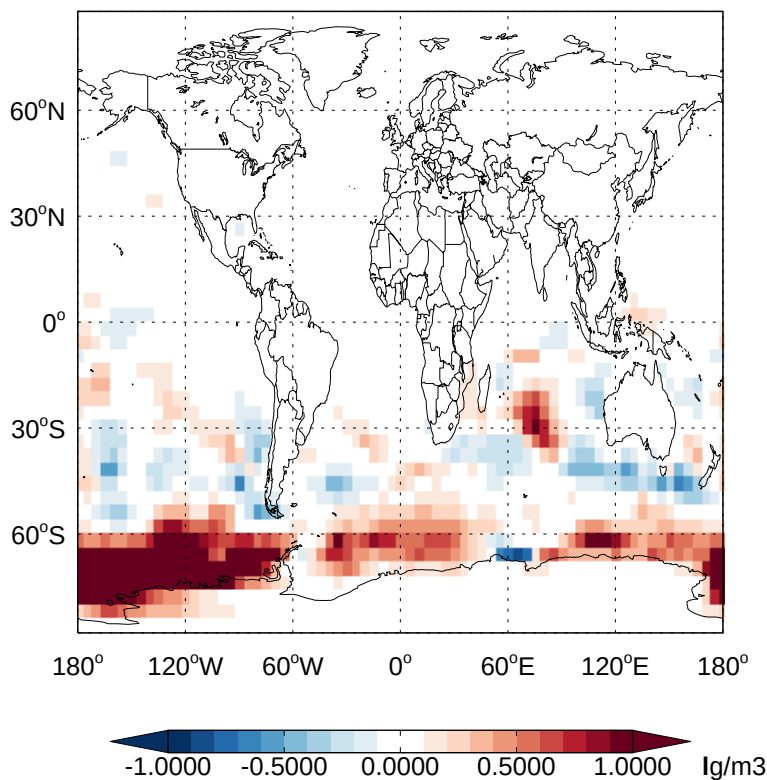
MP- Diff @ 500 hPa for Jan



# GEOS-Chem Difference Maps at surface and 500 hPa

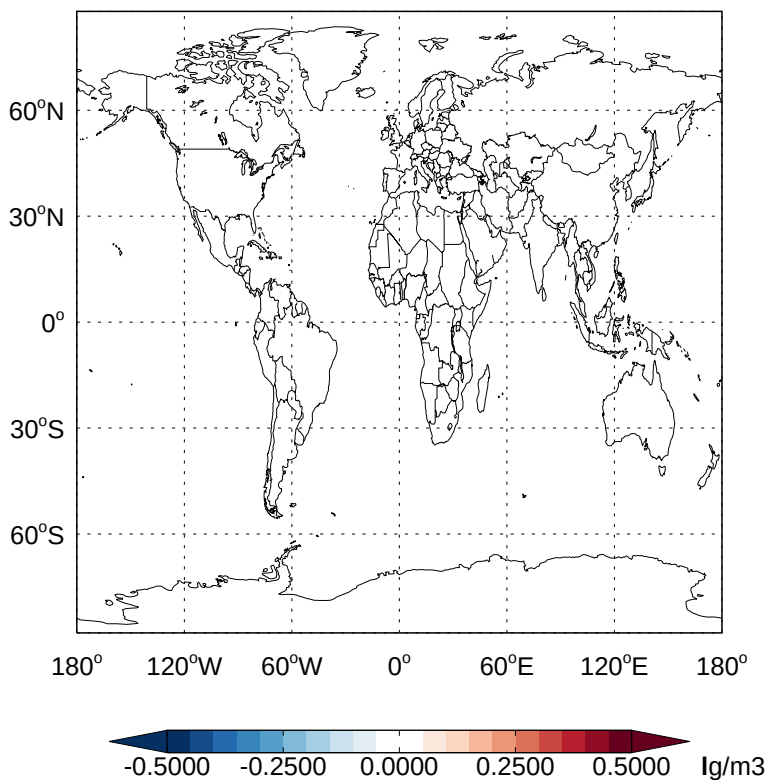
v11-02e-Run1 - v11-02e-Run0

DMS - Diff @ Surface for Jan



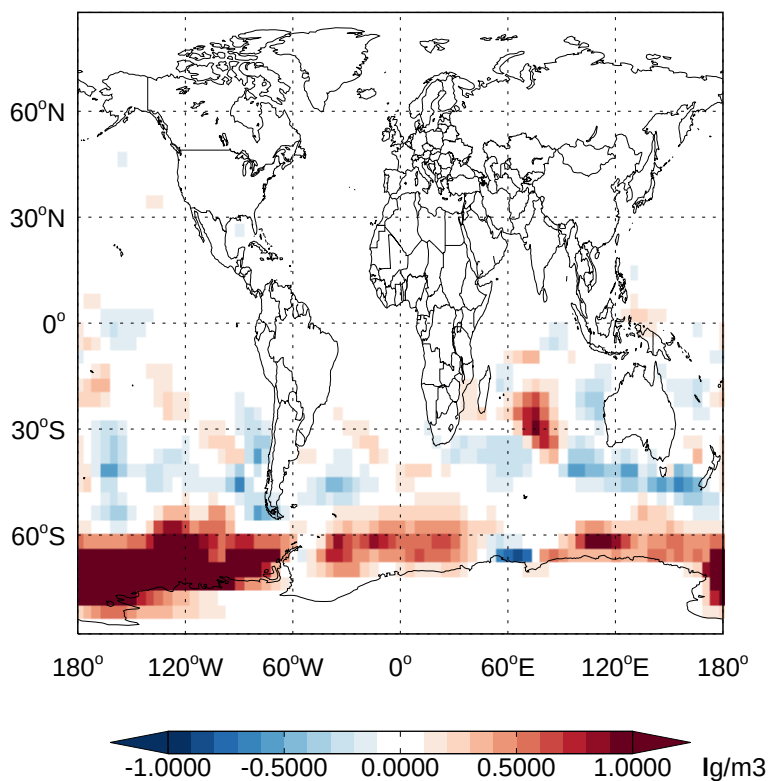
v11-02e-Run1 - v11-02e-Run0

DMS- Diff @ 500 hPa for Jan



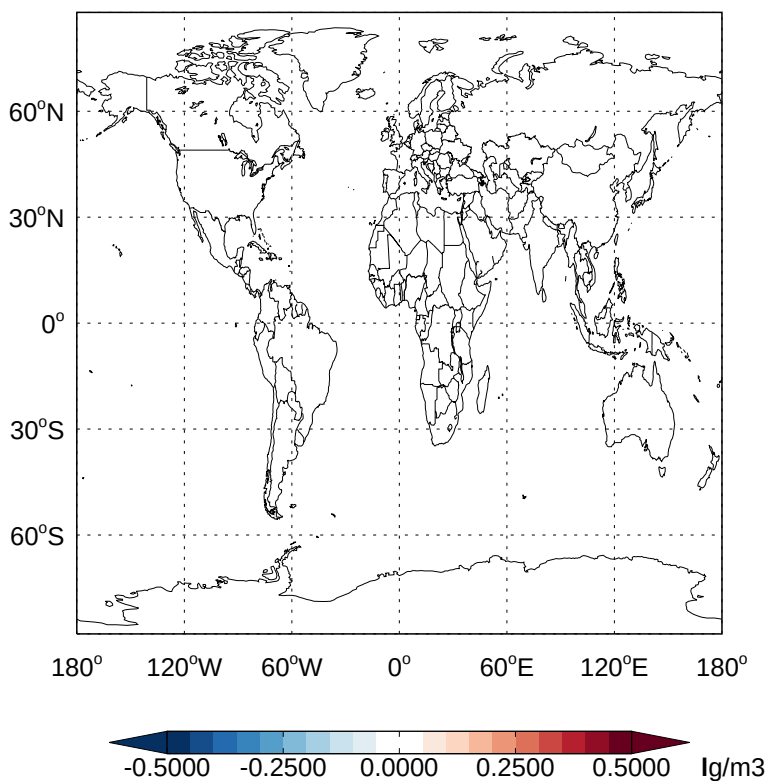
v11-02e-Run1 - v11-02d-Run1

DMS - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

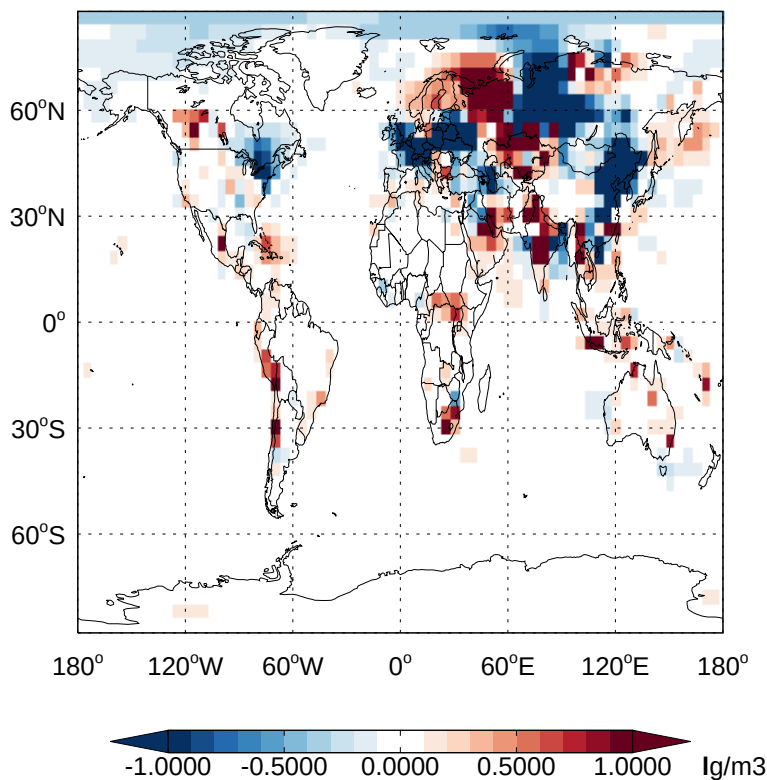
DMS- Diff @ 500 hPa for Jan



# GEOS-Chem Difference Maps at surface and 500 hPa

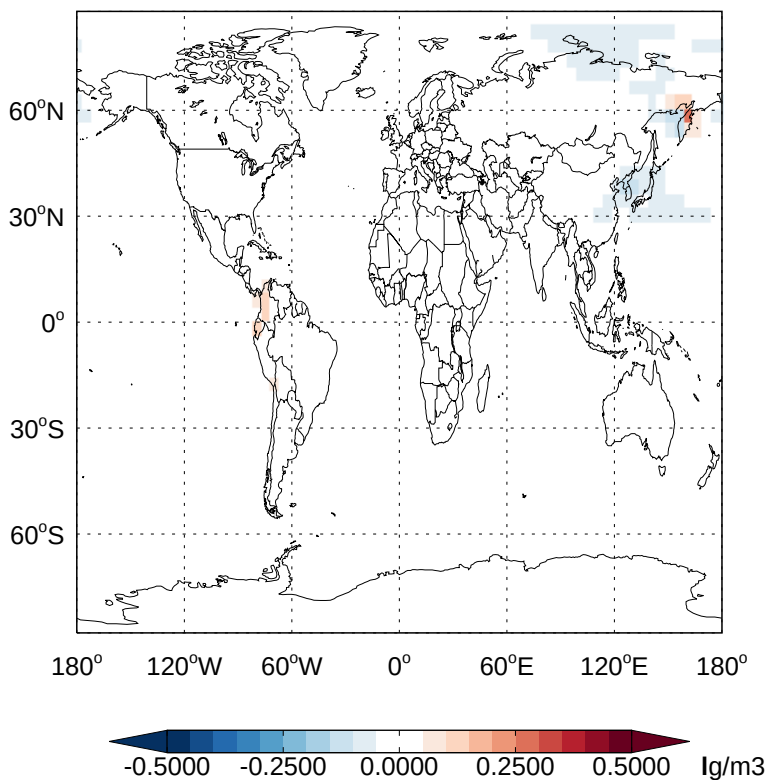
v11-02e-Run1 - v11-02e-Run0

SO<sub>2</sub> - Diff @ Surface for Jan



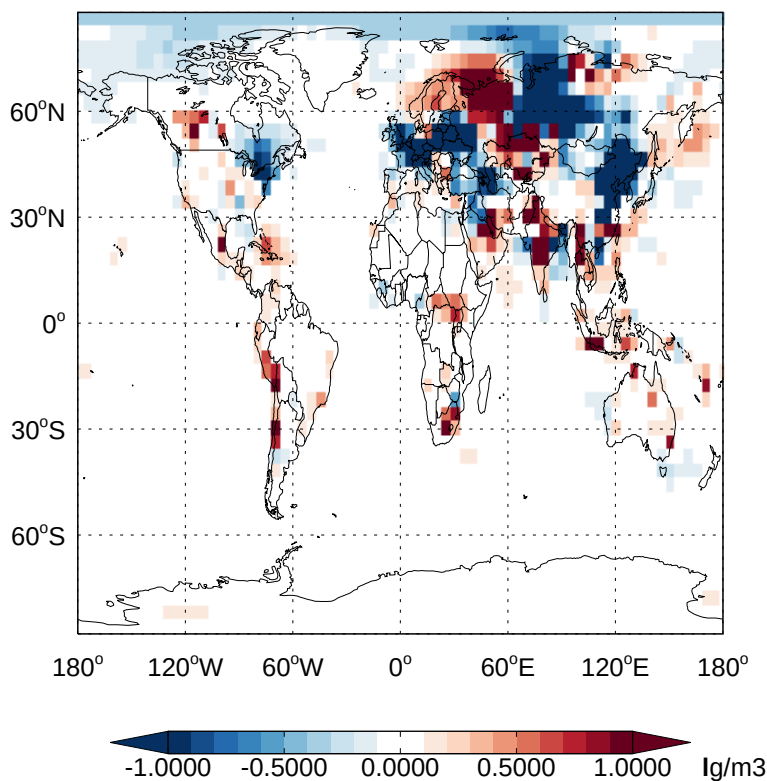
v11-02e-Run1 - v11-02e-Run0

SO<sub>2</sub>- Diff @ 500 hPa for Jan



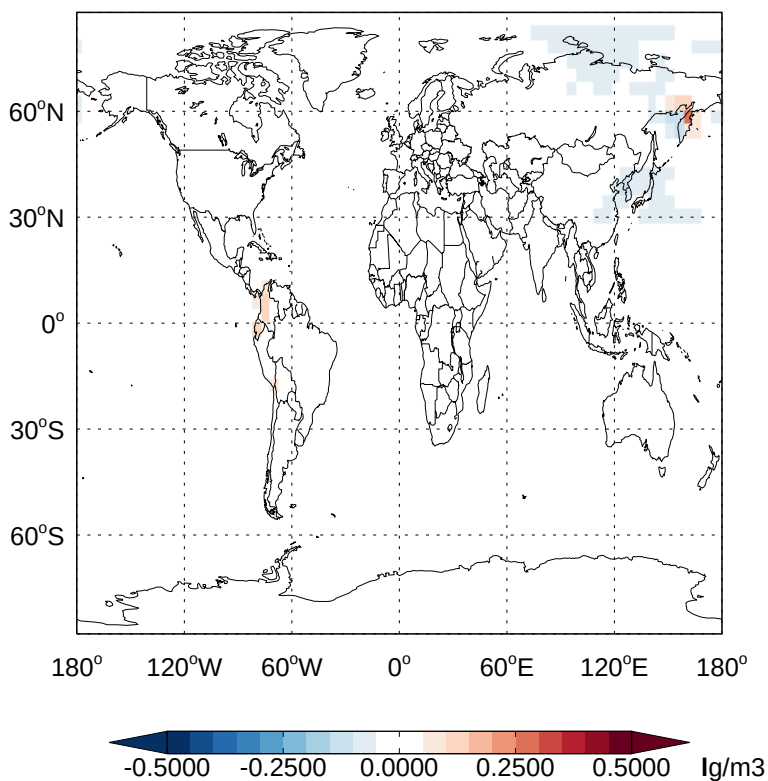
v11-02e-Run1 - v11-02d-Run1

SO<sub>2</sub> - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

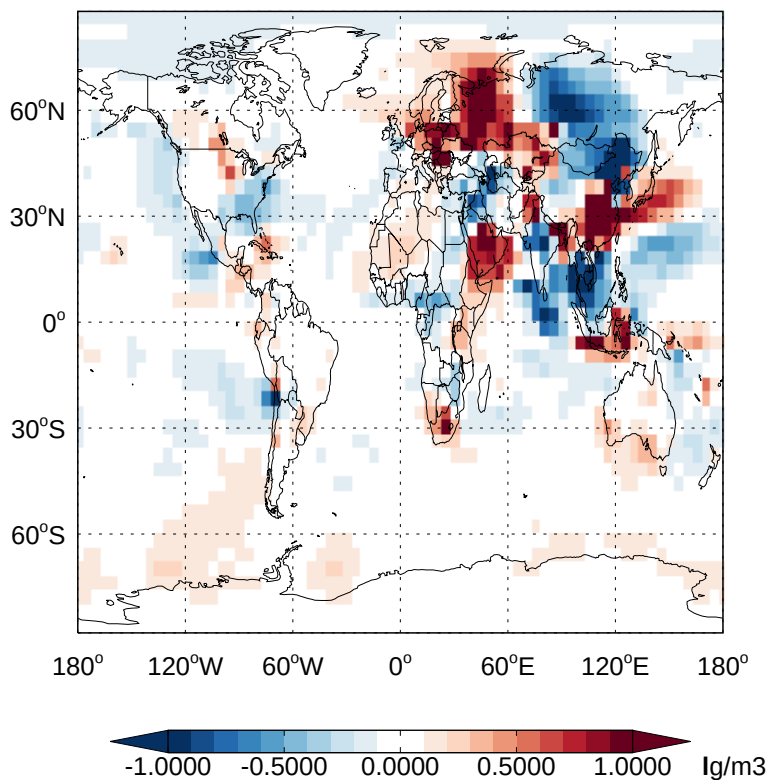
SO<sub>2</sub>- Diff @ 500 hPa for Jan



# GEOS-Chem Difference Maps at surface and 500 hPa

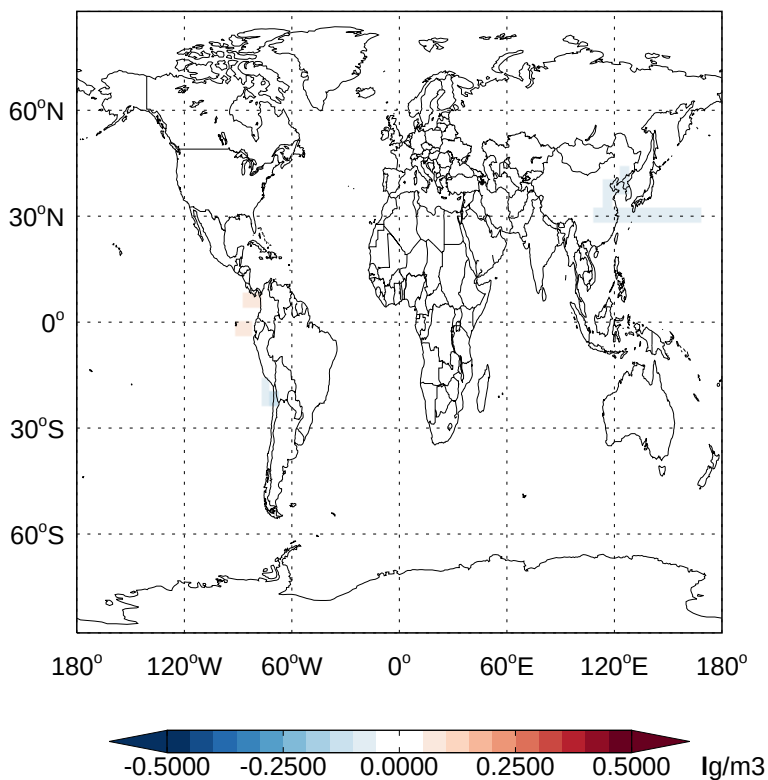
v11-02e-Run1 - v11-02e-Run0

SO<sub>4</sub> - Diff @ Surface for Jan



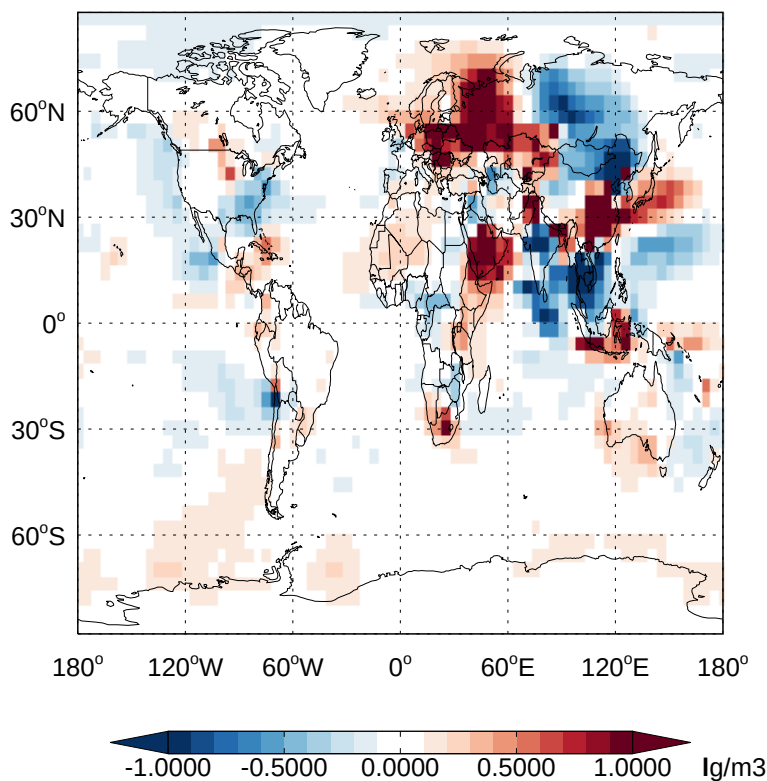
v11-02e-Run1 - v11-02e-Run0

SO<sub>4</sub>- Diff @ 500 hPa for Jan



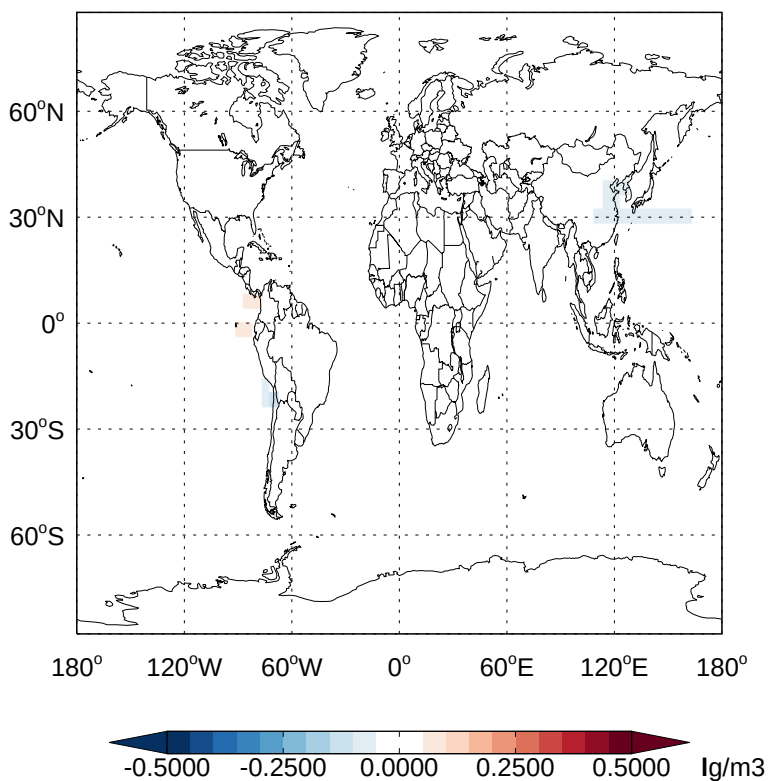
v11-02e-Run1 - v11-02d-Run1

SO<sub>4</sub> - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

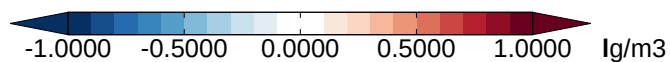
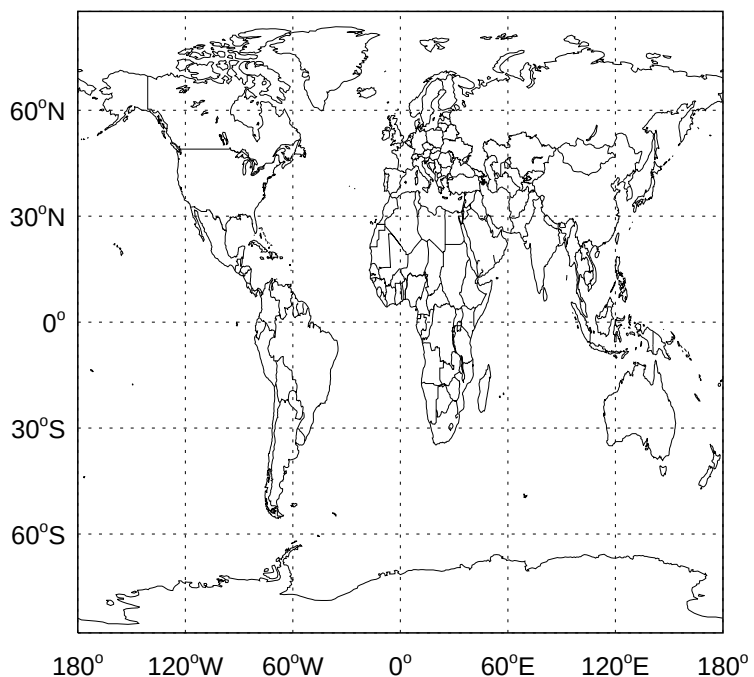
SO<sub>4</sub>- Diff @ 500 hPa for Jan



# GEOS-Chem Difference Maps at surface and 500 hPa

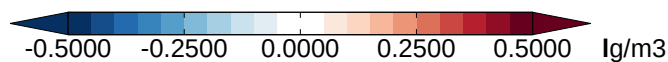
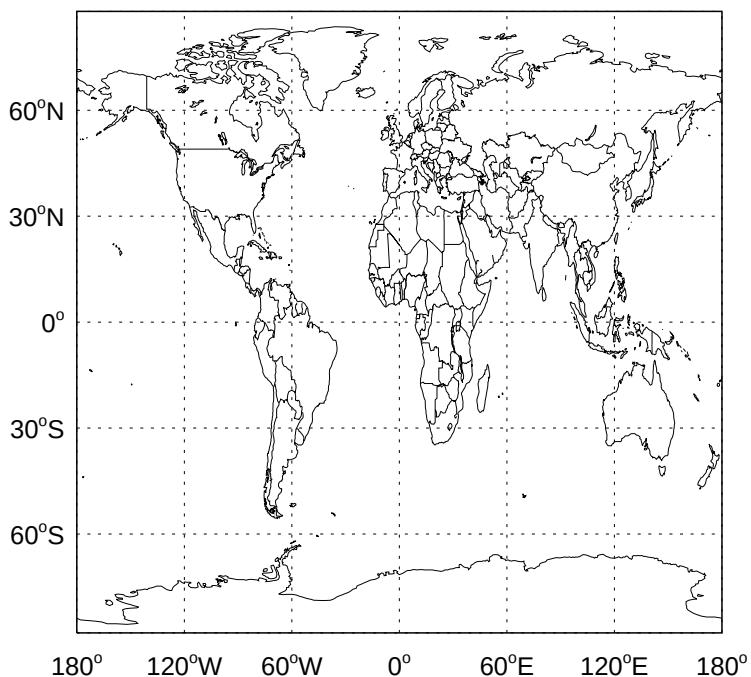
v11-02e-Run1 - v11-02e-Run0

SO<sub>4</sub>s - Diff @ Surface for Jan



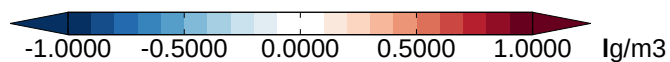
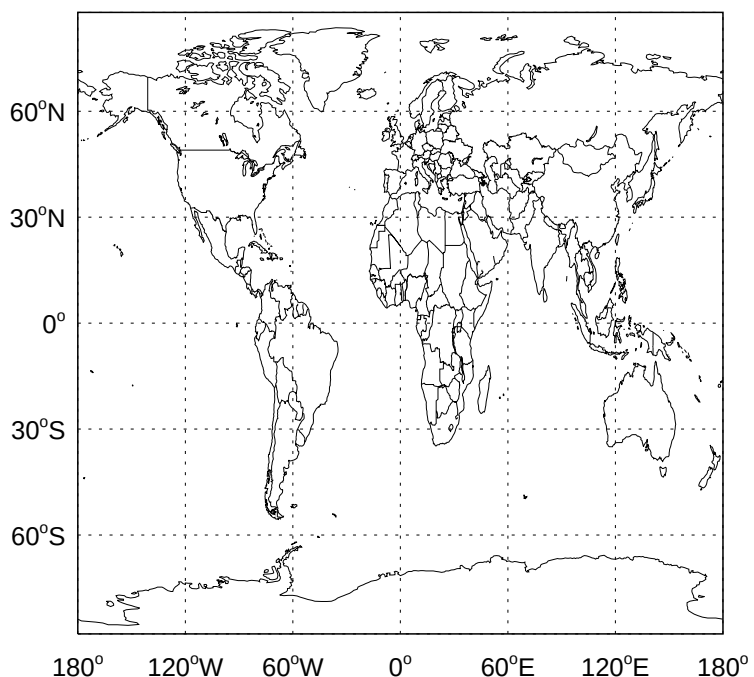
v11-02e-Run1 - v11-02e-Run0

SO<sub>4</sub>s- Diff @ 500 hPa for Jan



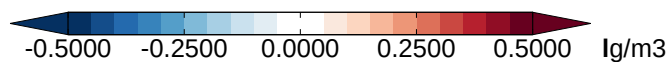
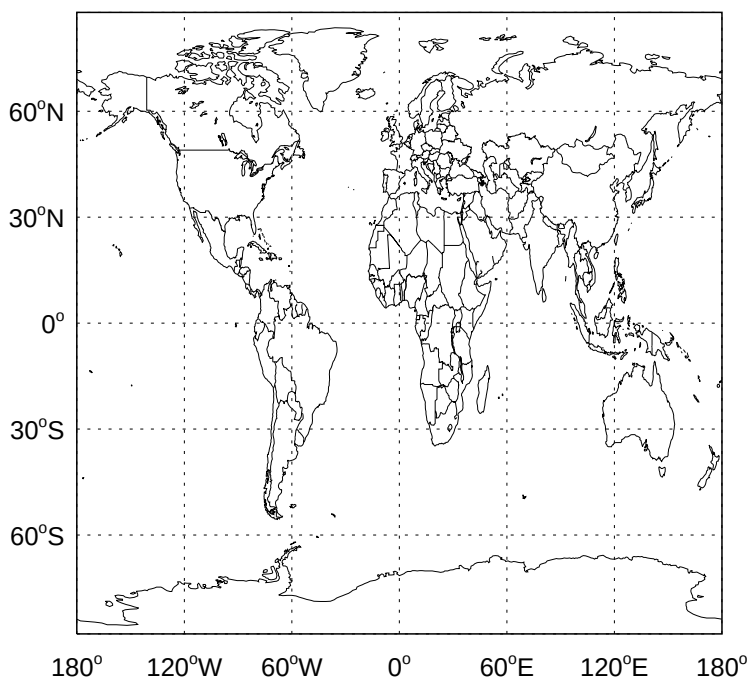
v11-02e-Run1 - v11-02d-Run1

SO<sub>4</sub>s - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

SO<sub>4</sub>s- Diff @ 500 hPa for Jan

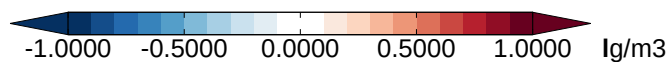
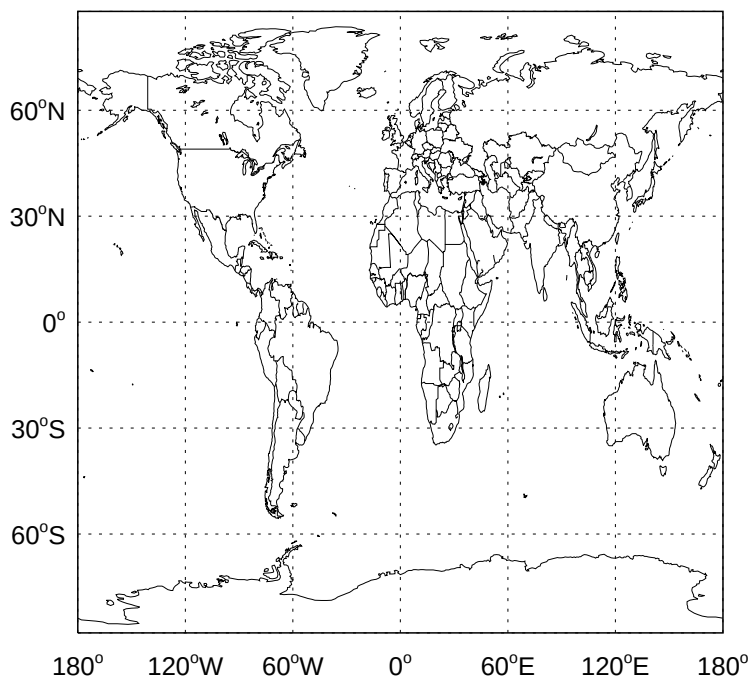




# GEOS-Chem Difference Maps at surface and 500 hPa

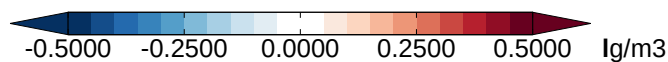
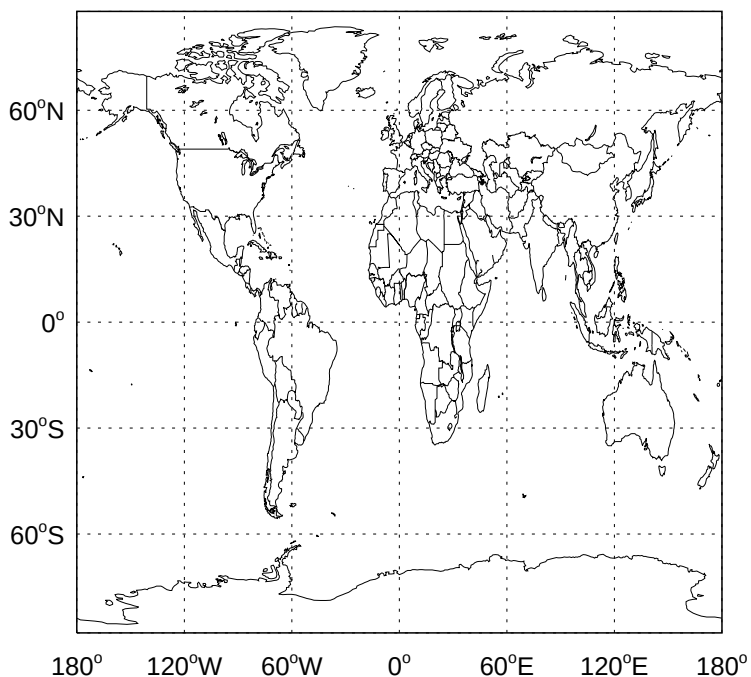
v11-02e-Run1 - v11-02e-Run0

MSA - Diff @ Surface for Jan



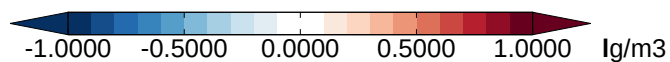
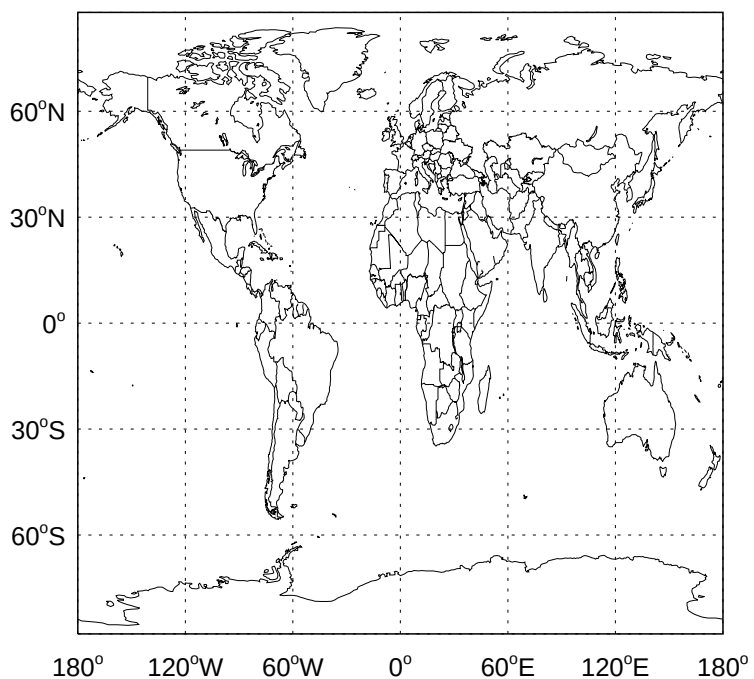
v11-02e-Run1 - v11-02e-Run0

MSA- Diff @ 500 hPa for Jan



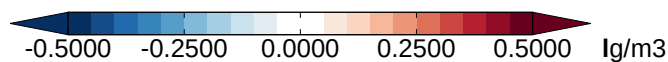
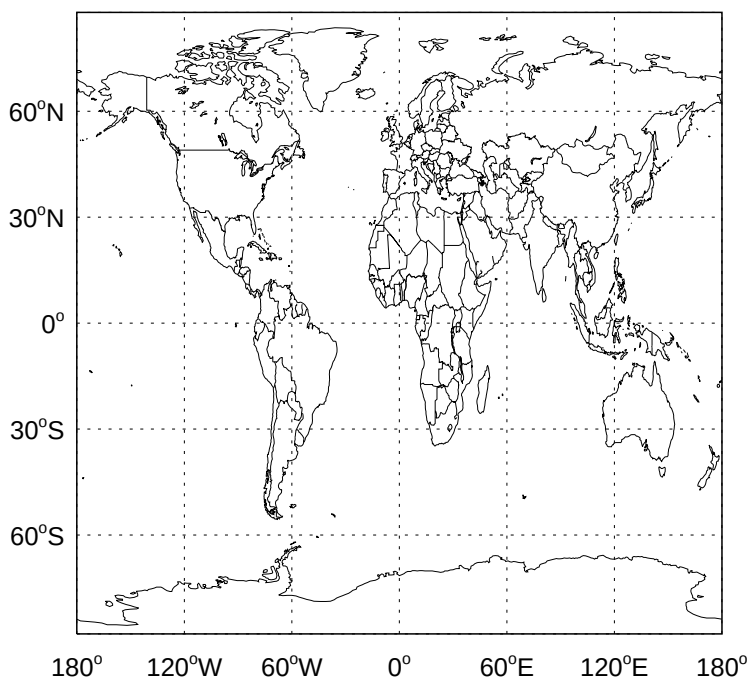
v11-02e-Run1 - v11-02d-Run1

MSA - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

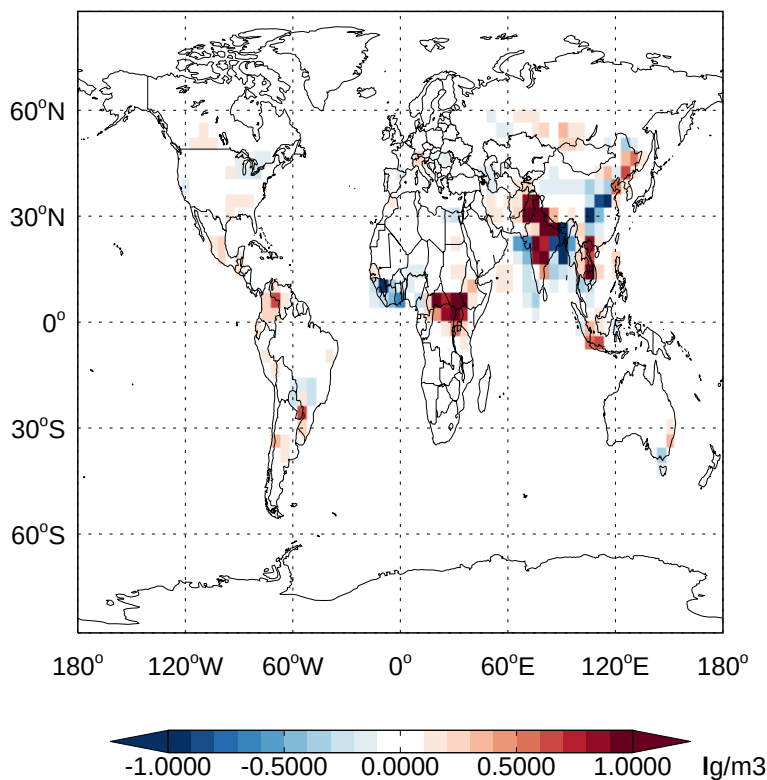
MSA- Diff @ 500 hPa for Jan



# GEOS-Chem Difference Maps at surface and 500 hPa

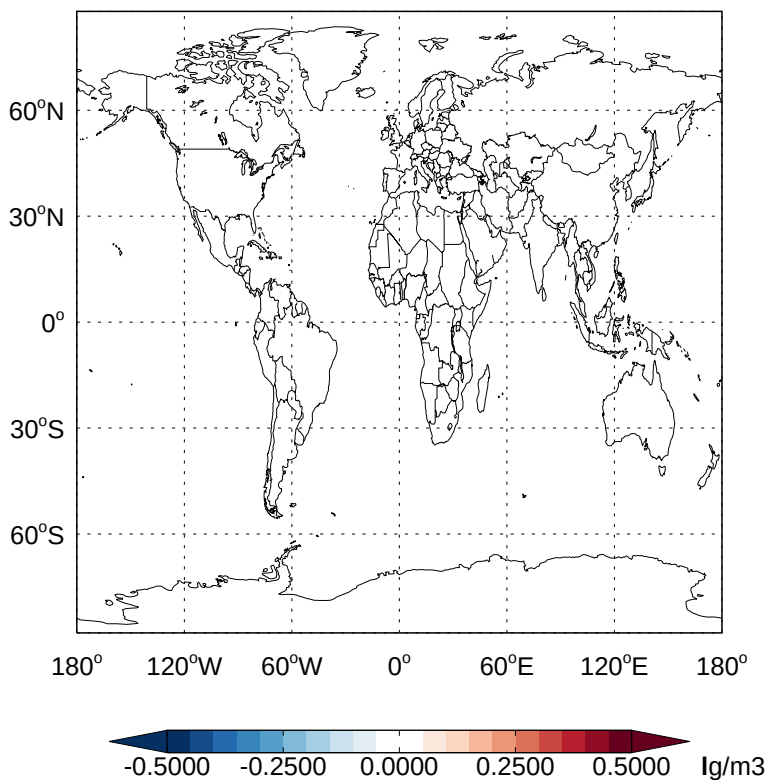
v11-02e-Run1 - v11-02e-Run0

NH3 - Diff @ Surface for Jan



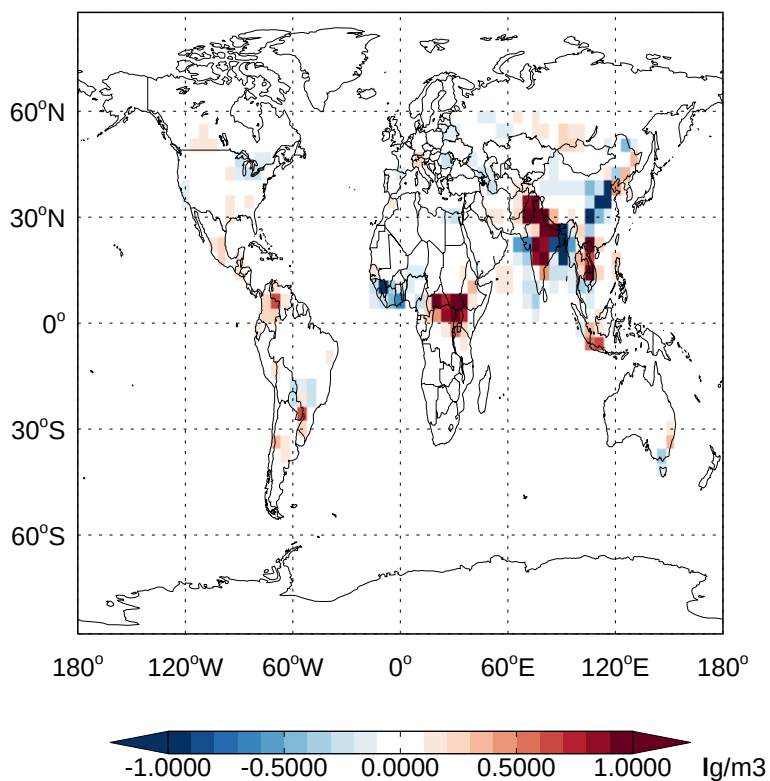
v11-02e-Run1 - v11-02e-Run0

NH3- Diff @ 500 hPa for Jan



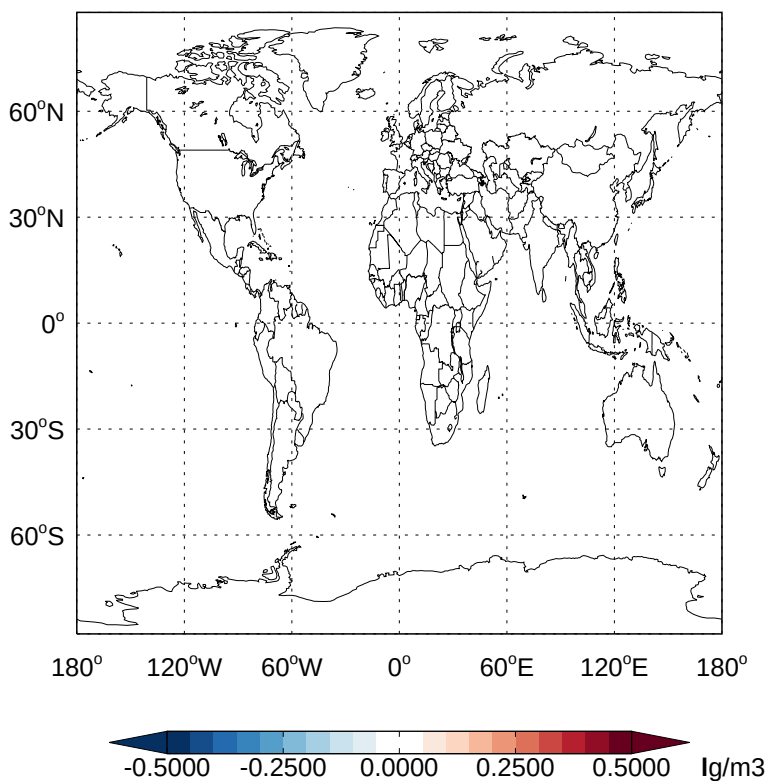
v11-02e-Run1 - v11-02d-Run1

NH3 - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

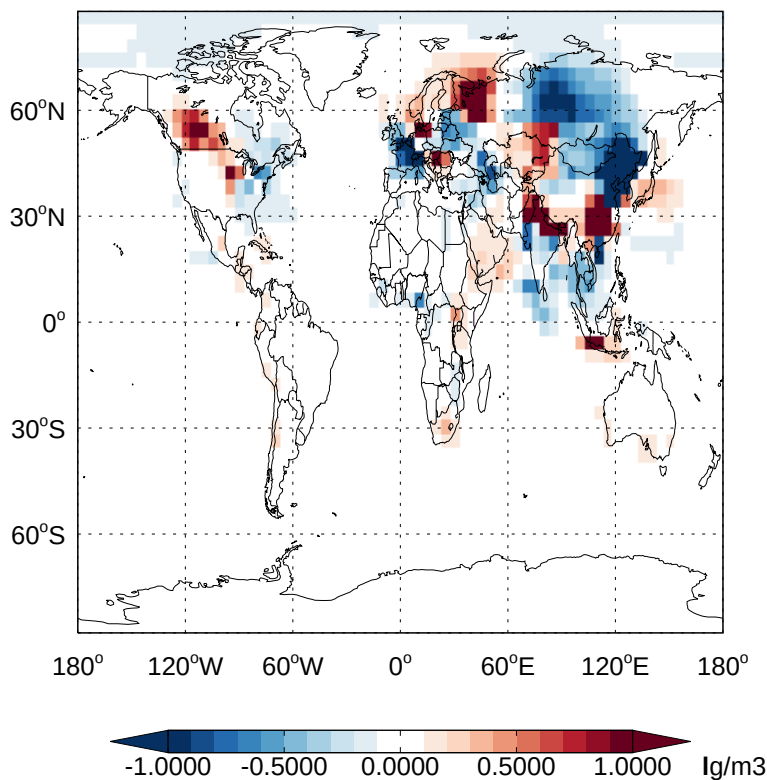
NH3- Diff @ 500 hPa for Jan



# GEOS-Chem Difference Maps at surface and 500 hPa

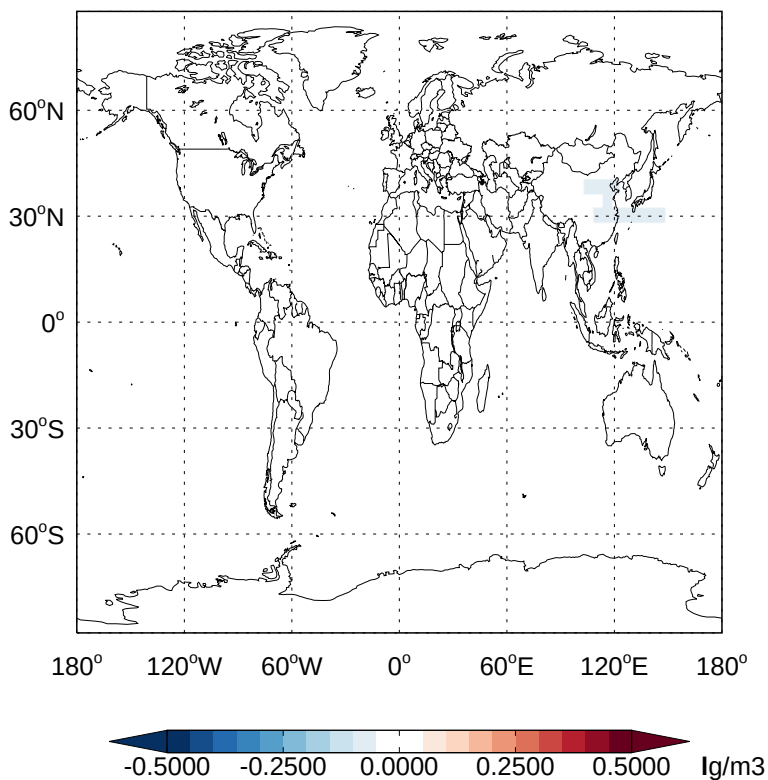
v11-02e-Run1 - v11-02e-Run0

NH4 - Diff @ Surface for Jan



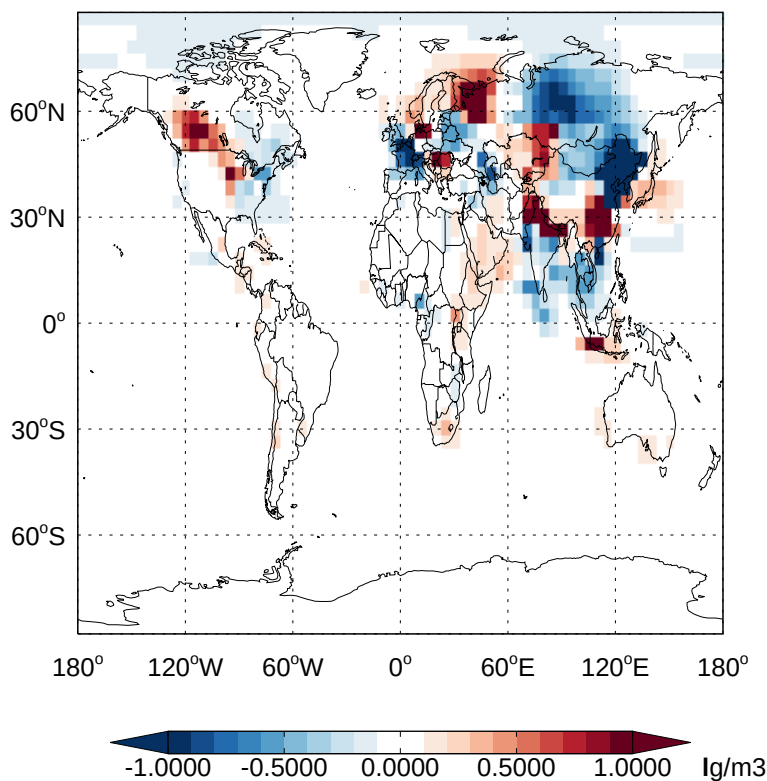
v11-02e-Run1 - v11-02e-Run0

NH4- Diff @ 500 hPa for Jan



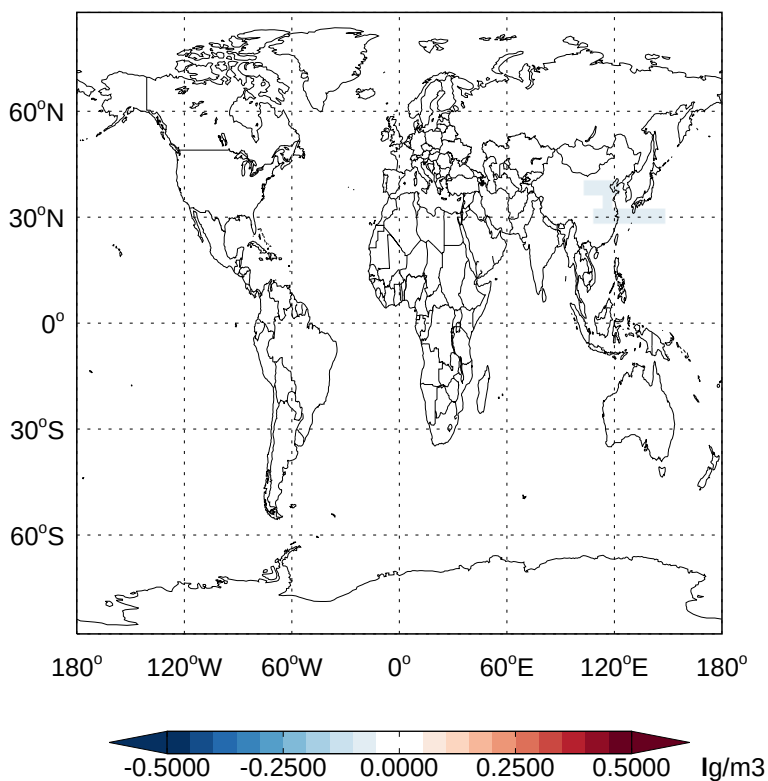
v11-02e-Run1 - v11-02d-Run1

NH4 - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

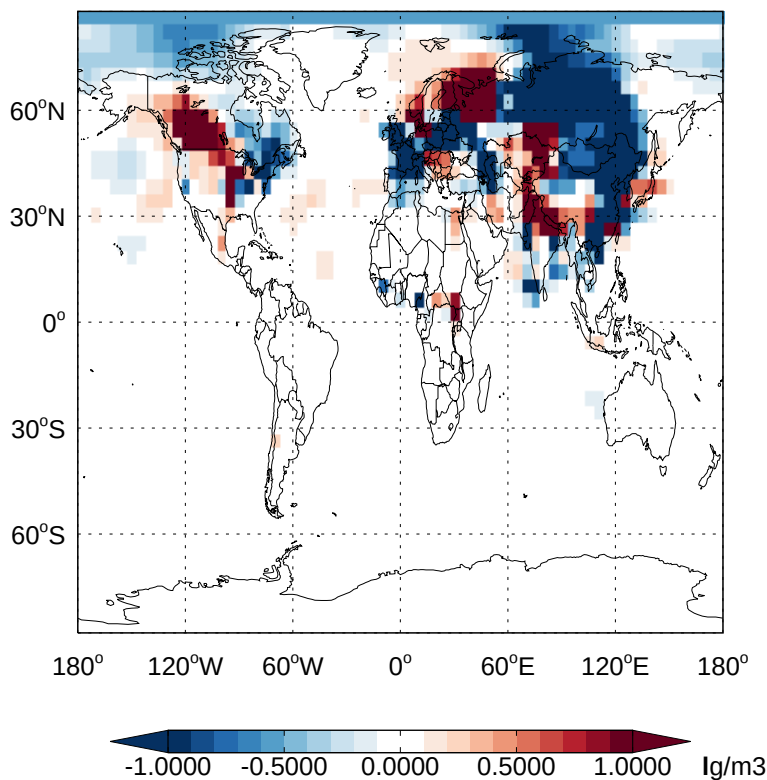
NH4- Diff @ 500 hPa for Jan



# GEOS-Chem Difference Maps at surface and 500 hPa

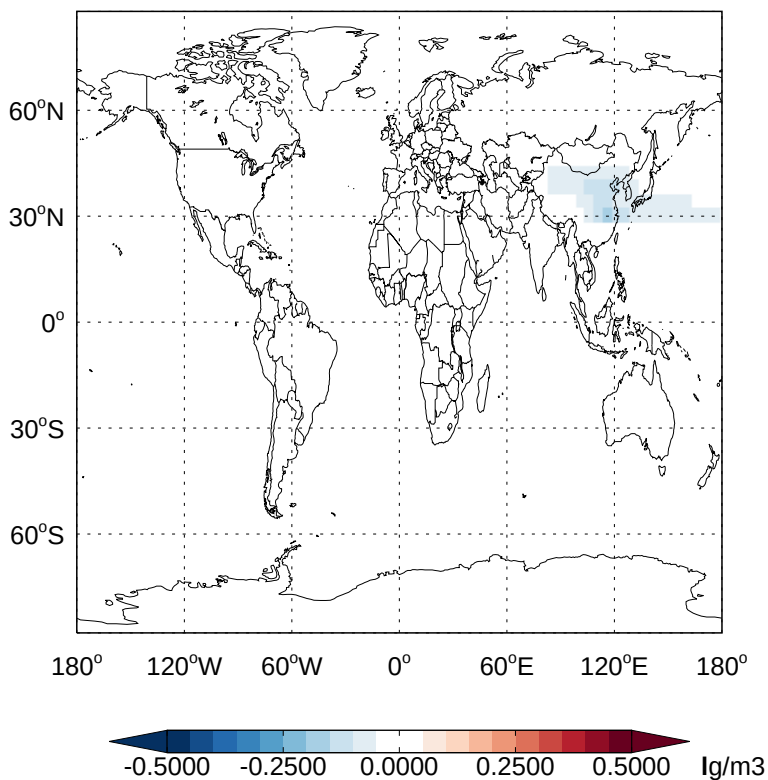
v11-02e-Run1 - v11-02e-Run0

NIT - Diff @ Surface for Jan



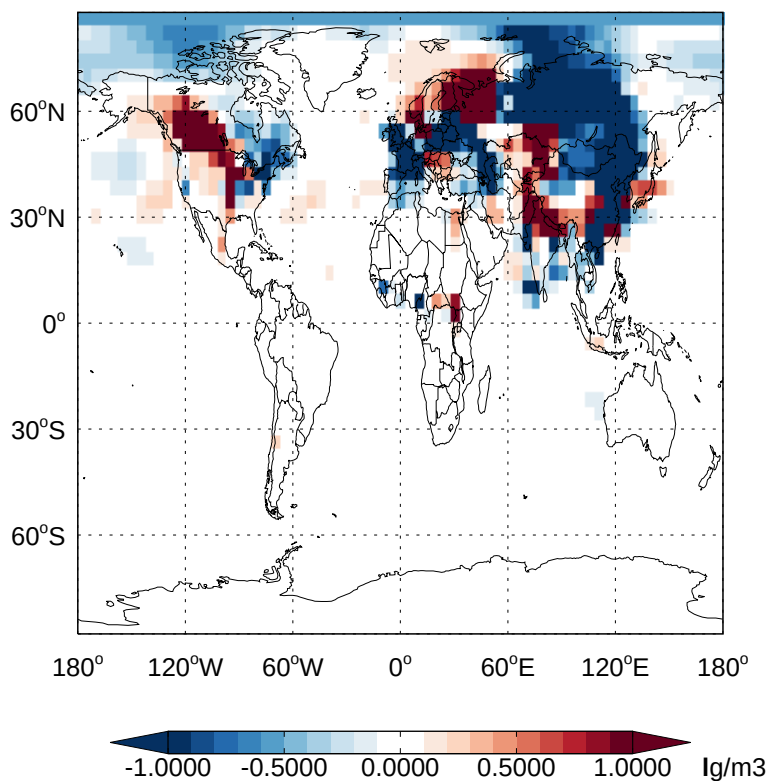
v11-02e-Run1 - v11-02e-Run0

NIT- Diff @ 500 hPa for Jan



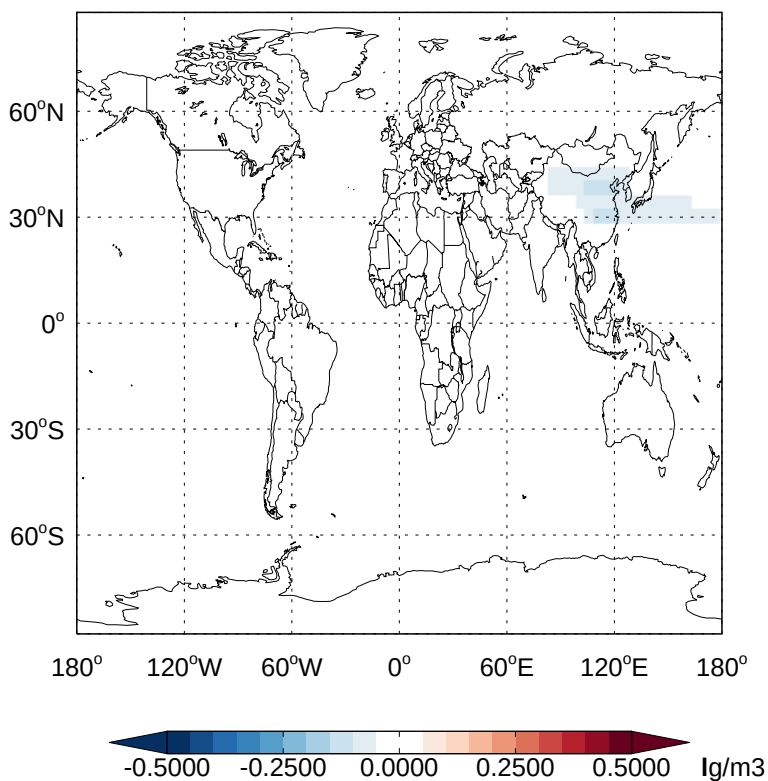
v11-02e-Run1 - v11-02d-Run1

NIT - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

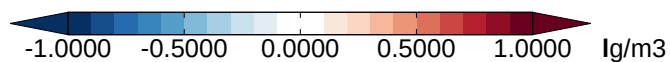
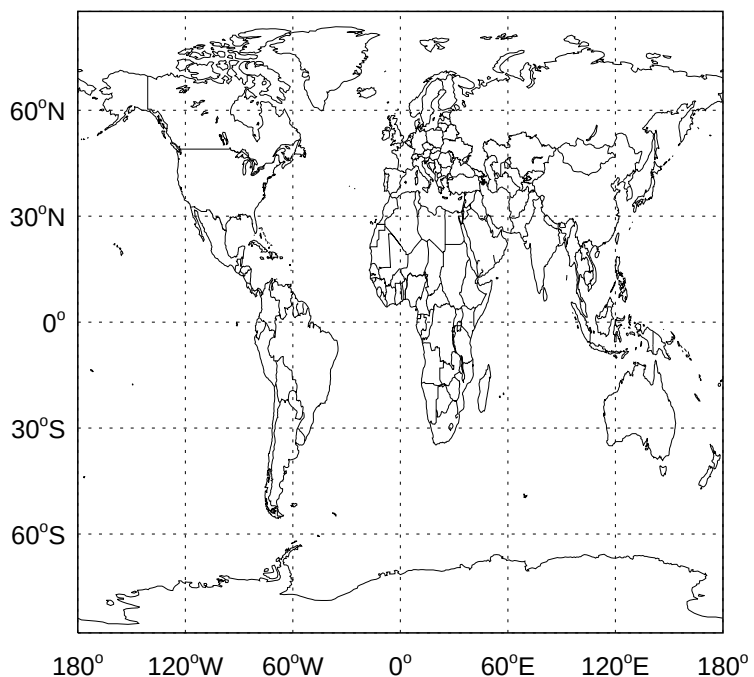
NIT- Diff @ 500 hPa for Jan



# GEOS-Chem Difference Maps at surface and 500 hPa

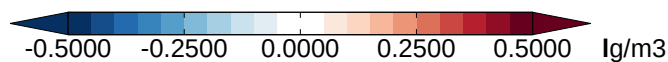
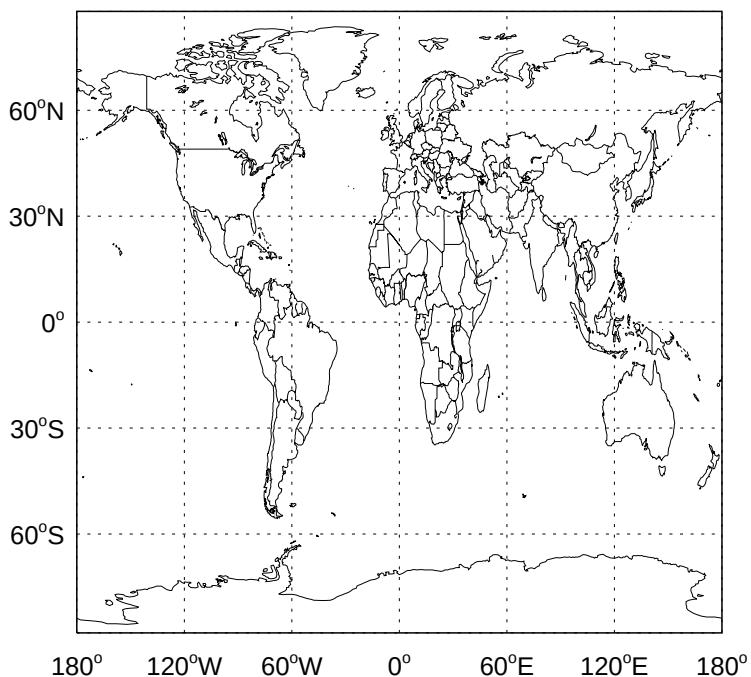
v11-02e-Run1 - v11-02e-Run0

NITs - Diff @ Surface for Jan



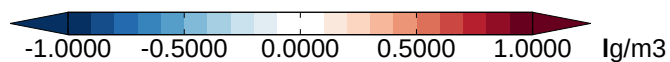
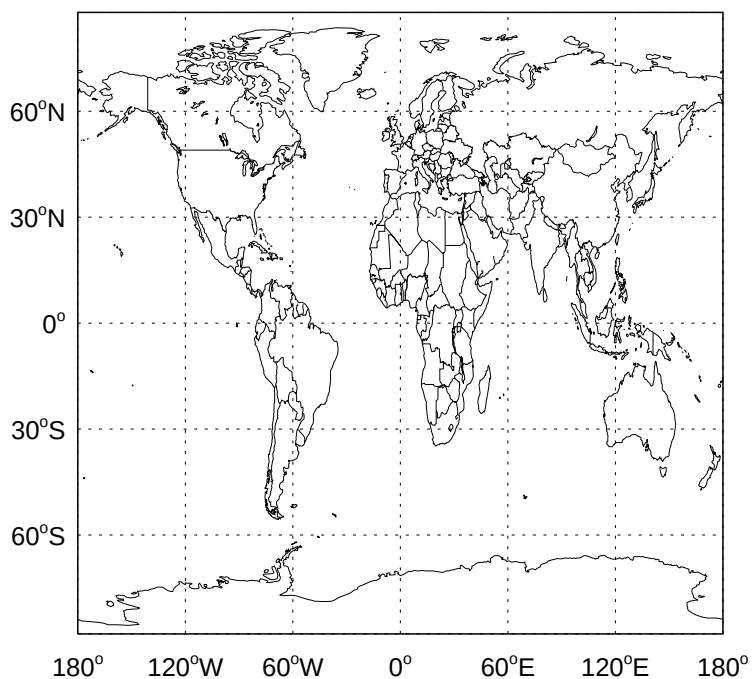
v11-02e-Run1 - v11-02e-Run0

NITs- Diff @ 500 hPa for Jan



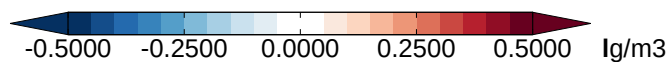
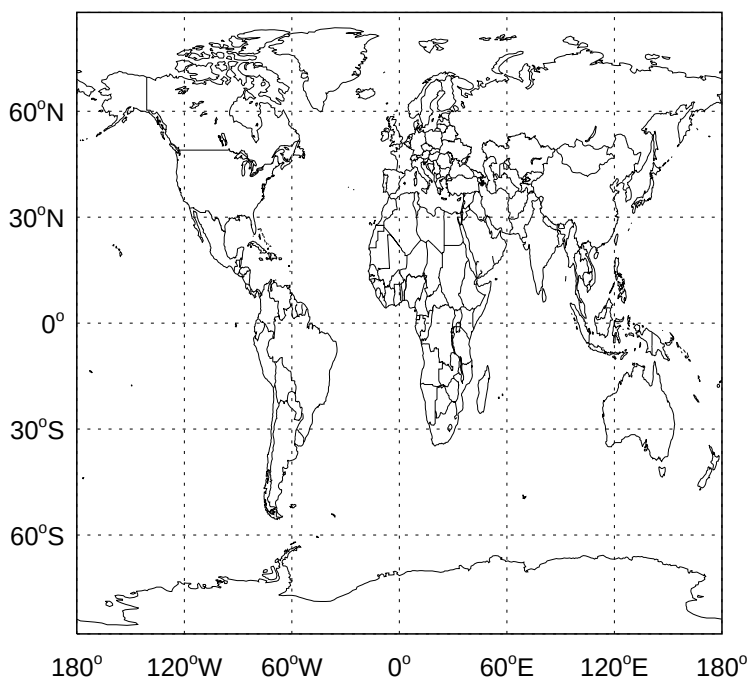
v11-02e-Run1 - v11-02d-Run1

NITs - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

NITs- Diff @ 500 hPa for Jan

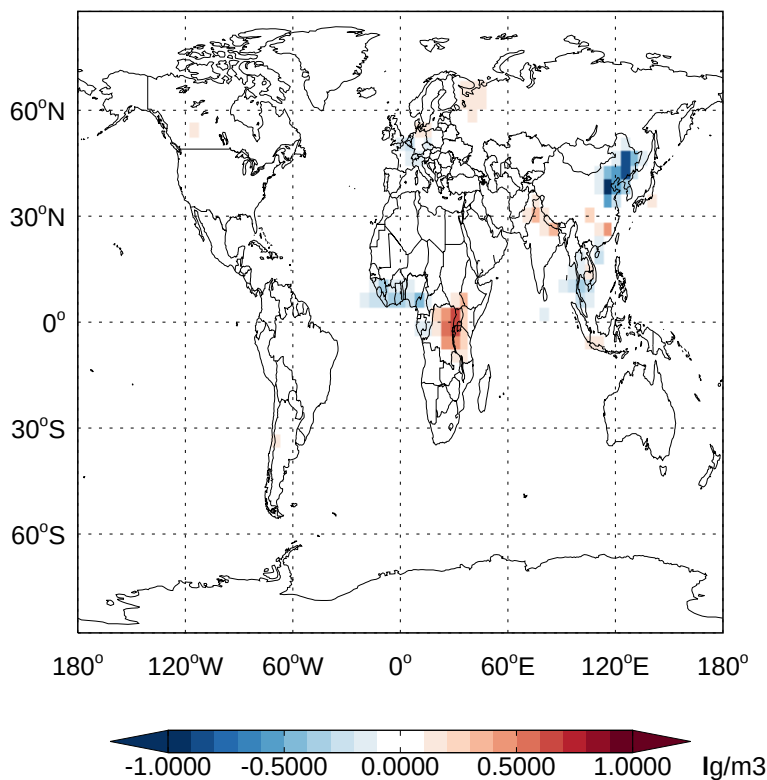




# GEOS-Chem Difference Maps at surface and 500 hPa

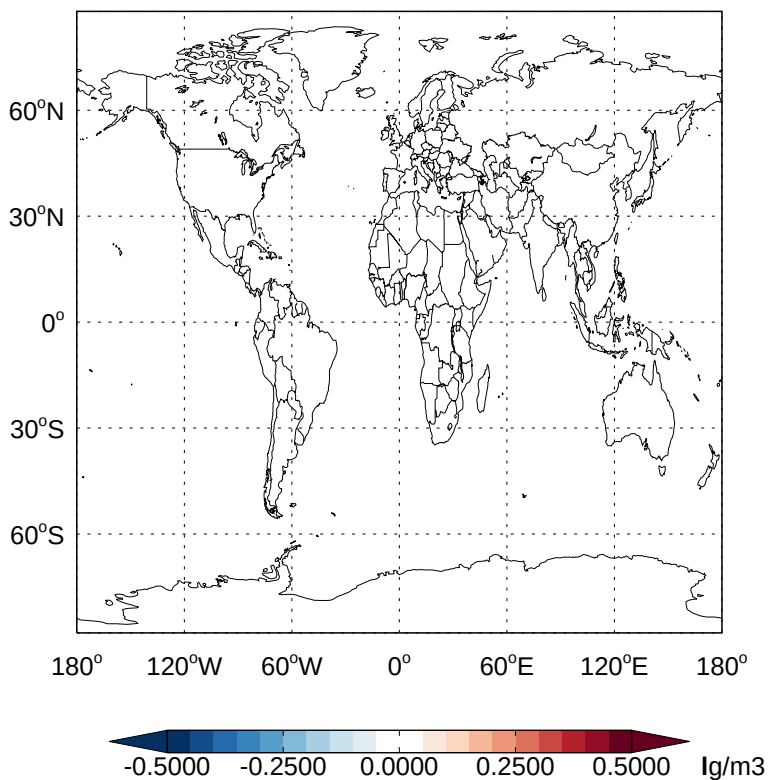
v11-02e-Run1 - v11-02e-Run0

BCPI - Diff @ Surface for Jan



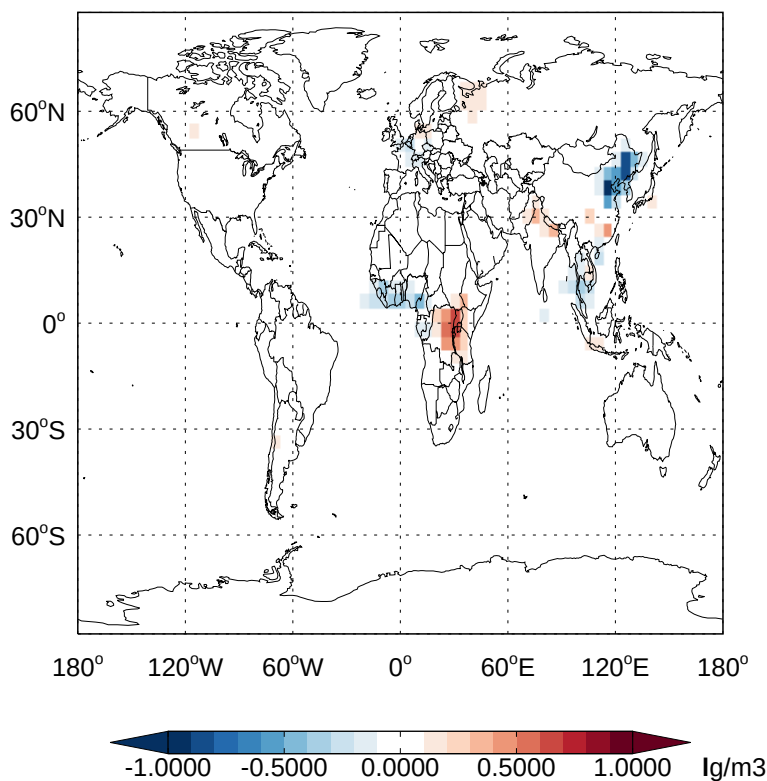
v11-02e-Run1 - v11-02e-Run0

BCPI- Diff @ 500 hPa for Jan



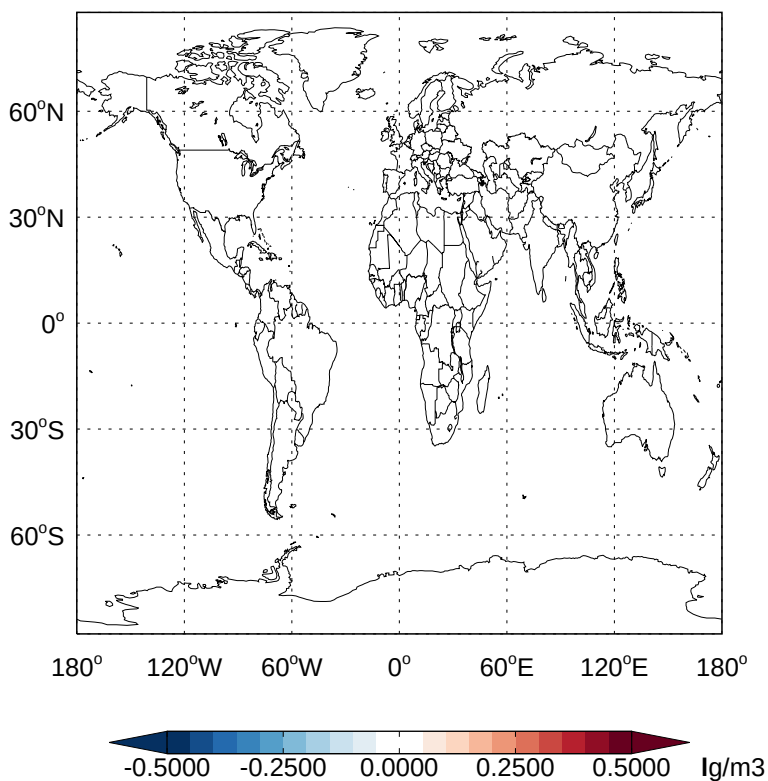
v11-02e-Run1 - v11-02d-Run1

BCPI - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

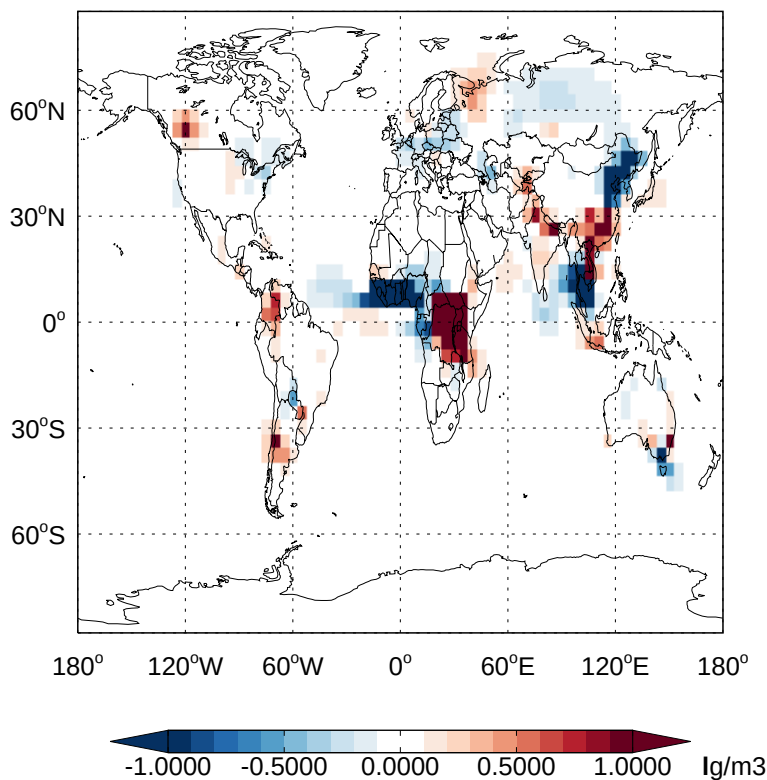
BCPI- Diff @ 500 hPa for Jan



# GEOS-Chem Difference Maps at surface and 500 hPa

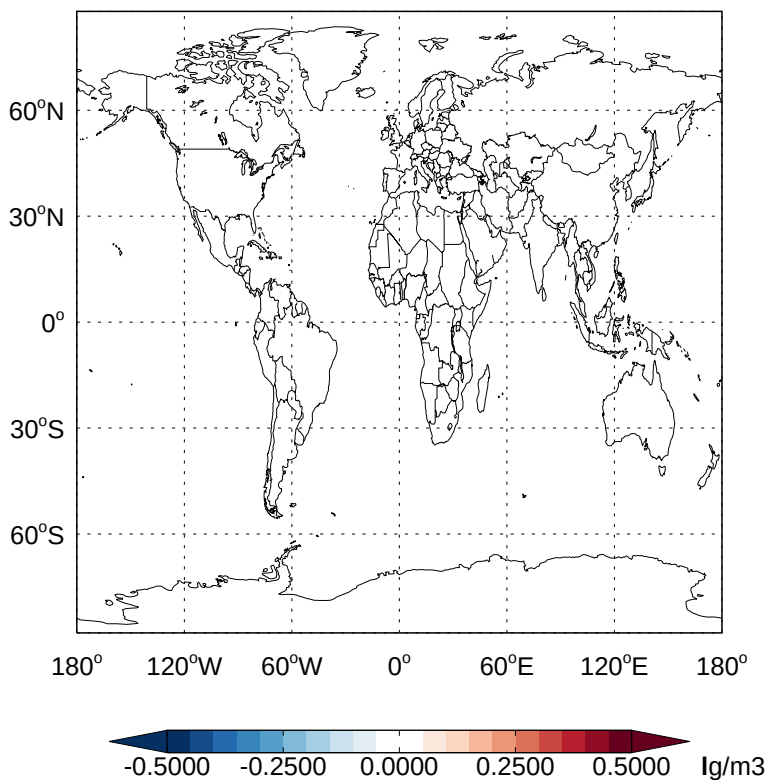
v11-02e-Run1 - v11-02e-Run0

OCPI - Diff @ Surface for Jan



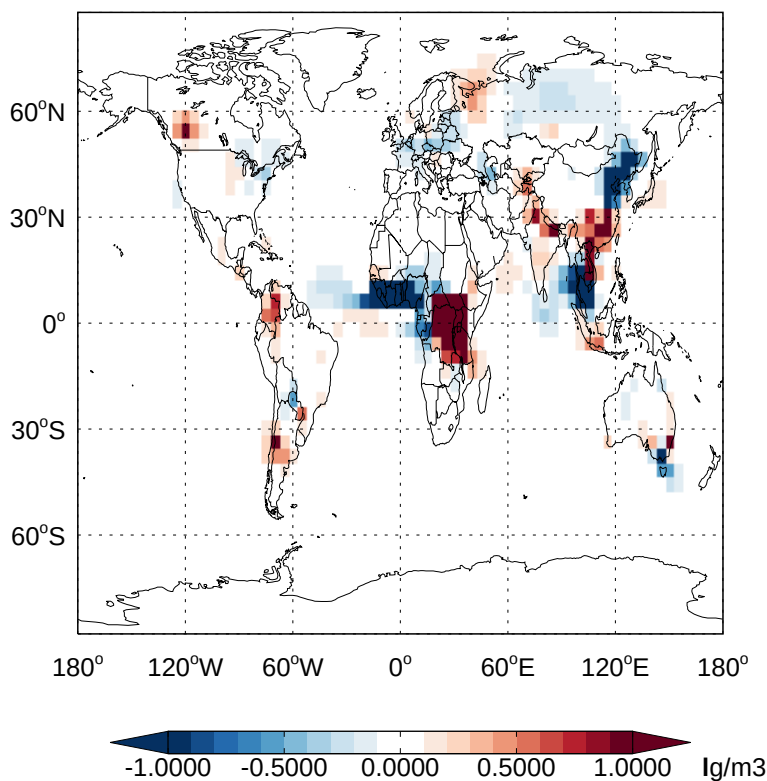
v11-02e-Run1 - v11-02e-Run0

OCPI- Diff @ 500 hPa for Jan



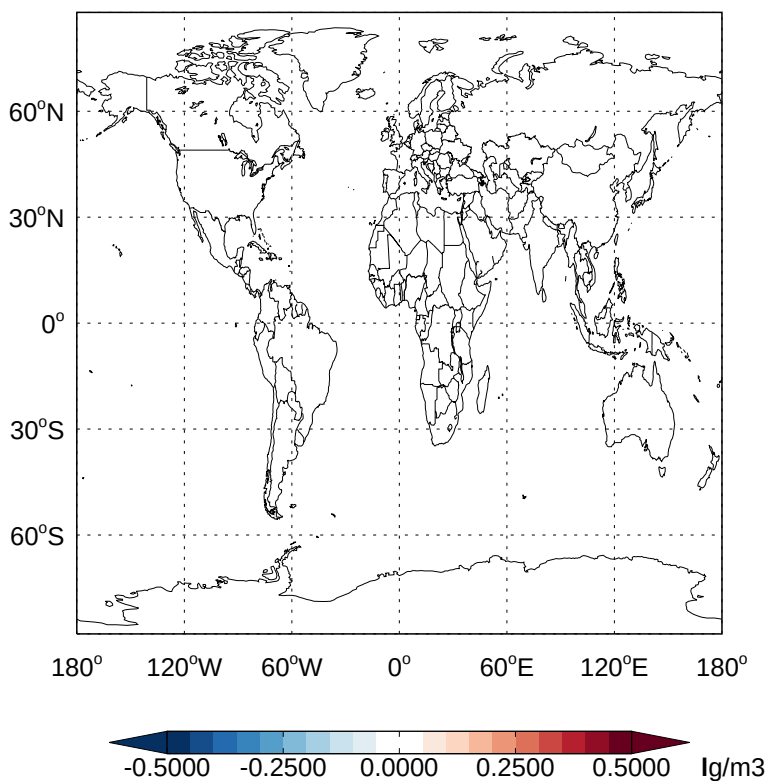
v11-02e-Run1 - v11-02d-Run1

OCPI - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

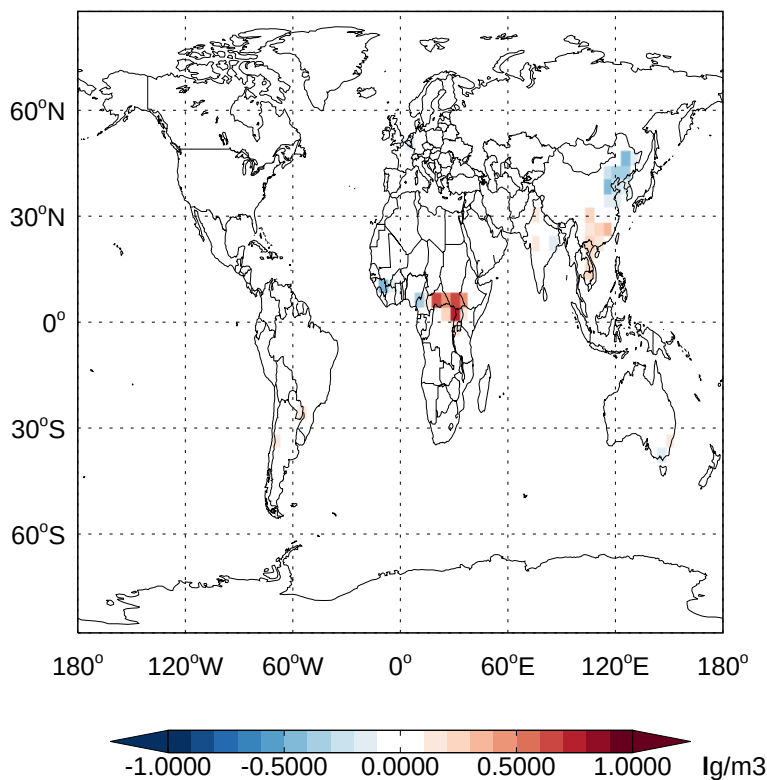
OCPI- Diff @ 500 hPa for Jan



# GEOS-Chem Difference Maps at surface and 500 hPa

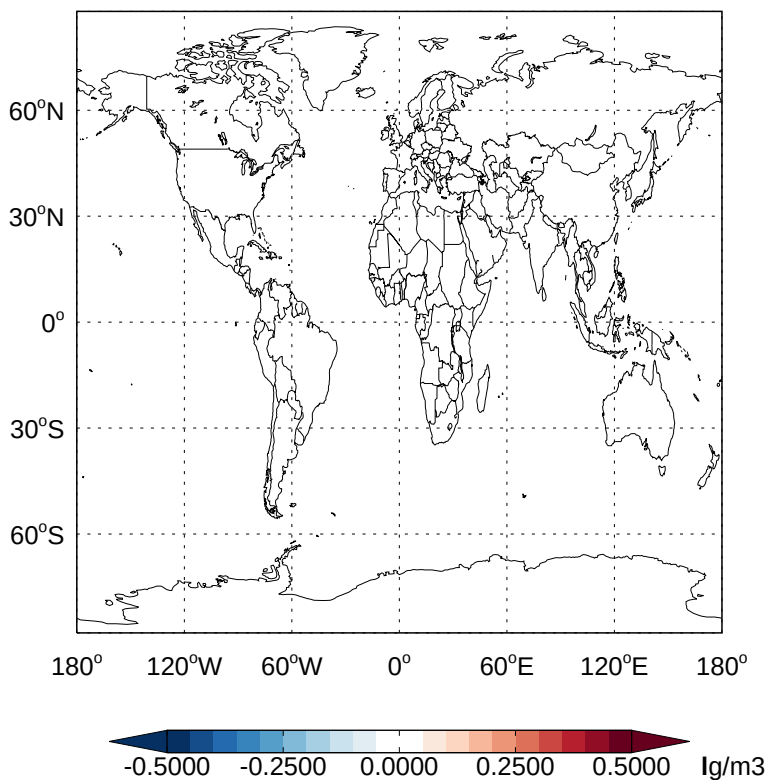
v11-02e-Run1 - v11-02e-Run0

BCPO - Diff @ Surface for Jan



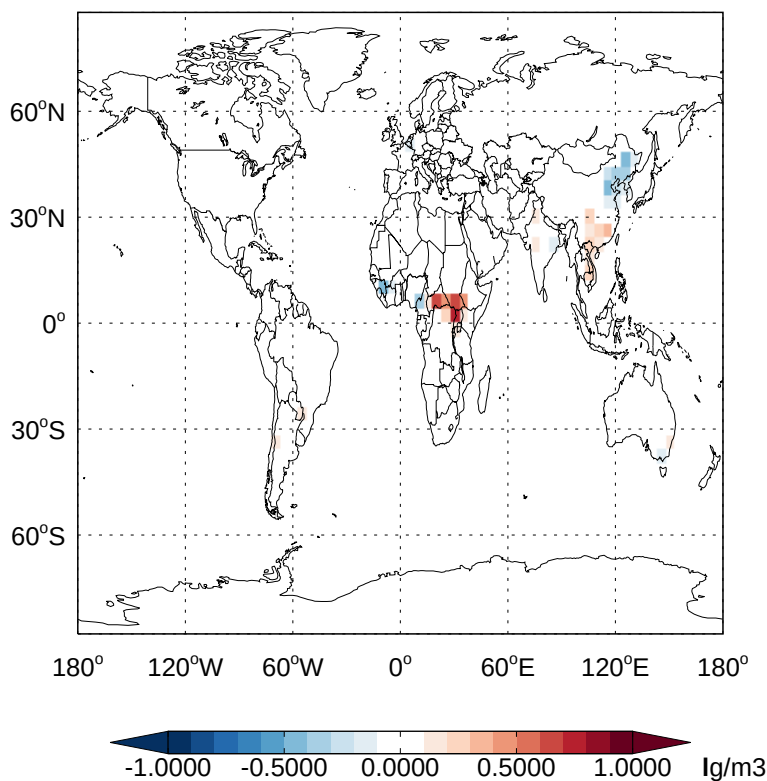
v11-02e-Run1 - v11-02e-Run0

BCPO- Diff @ 500 hPa for Jan



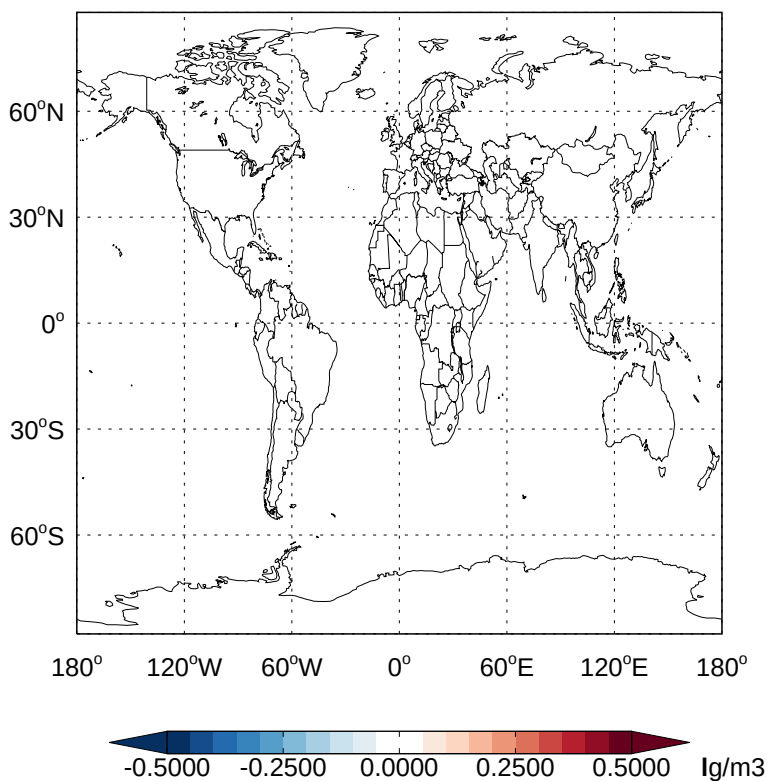
v11-02e-Run1 - v11-02d-Run1

BCPO - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

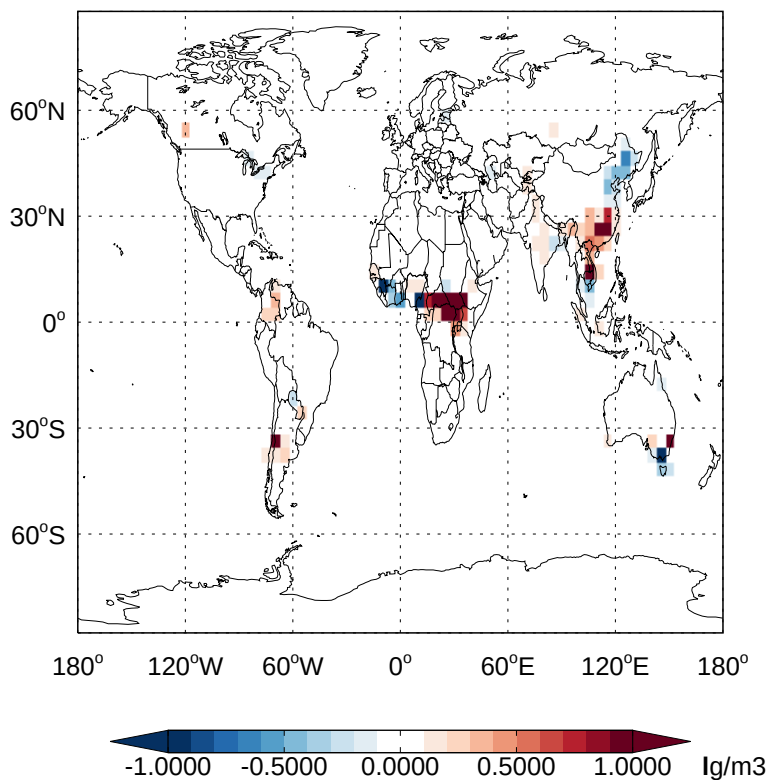
BCPO- Diff @ 500 hPa for Jan



# GEOS-Chem Difference Maps at surface and 500 hPa

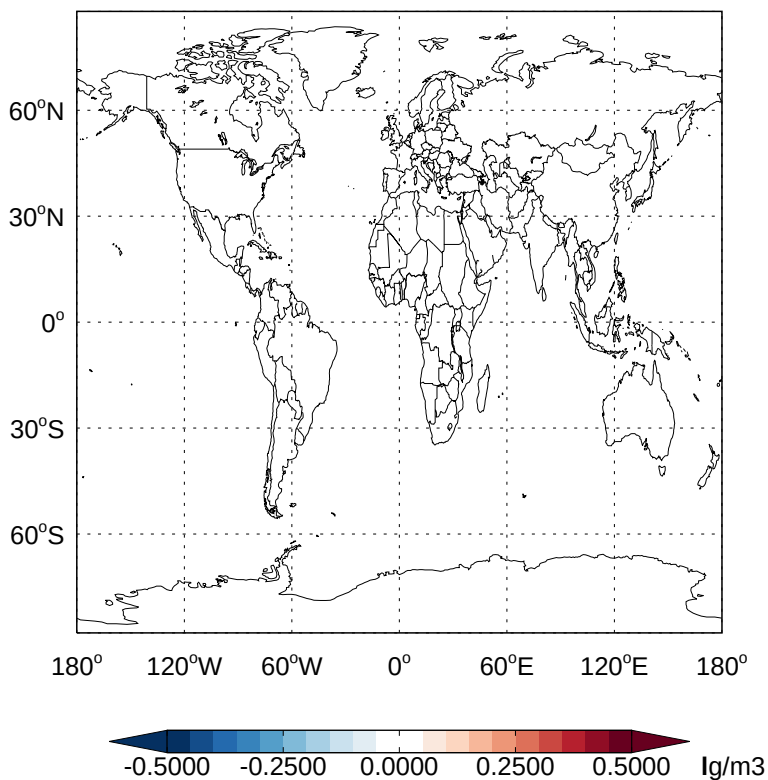
v11-02e-Run1 - v11-02e-Run0

OCPO - Diff @ Surface for Jan



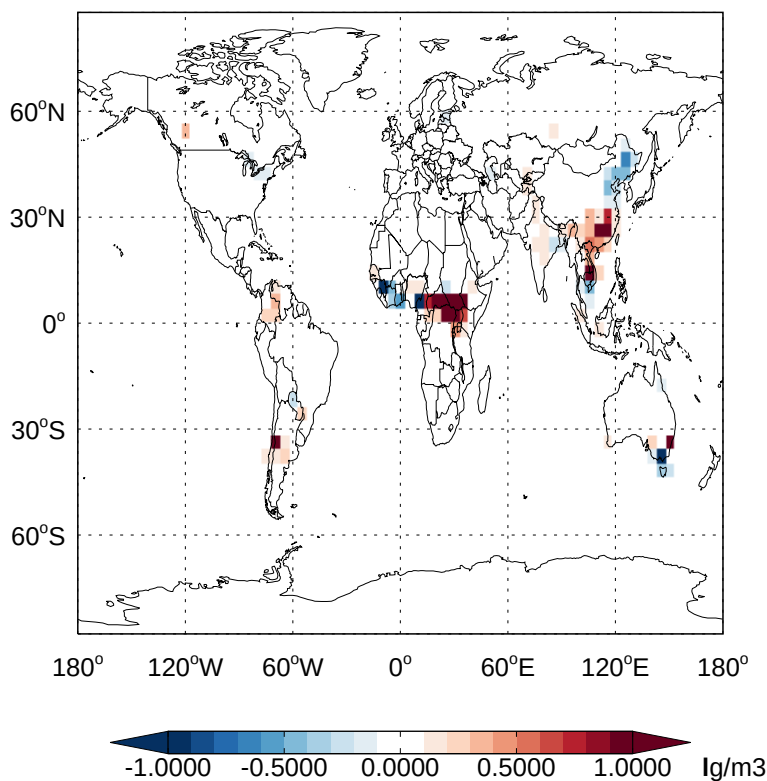
v11-02e-Run1 - v11-02e-Run0

OCPO- Diff @ 500 hPa for Jan



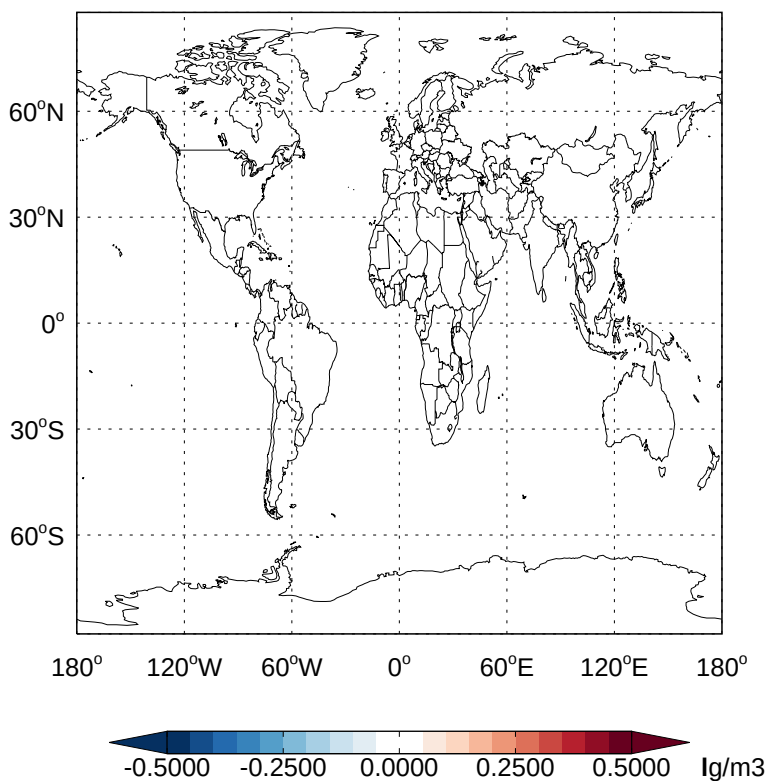
v11-02e-Run1 - v11-02d-Run1

OCPO - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

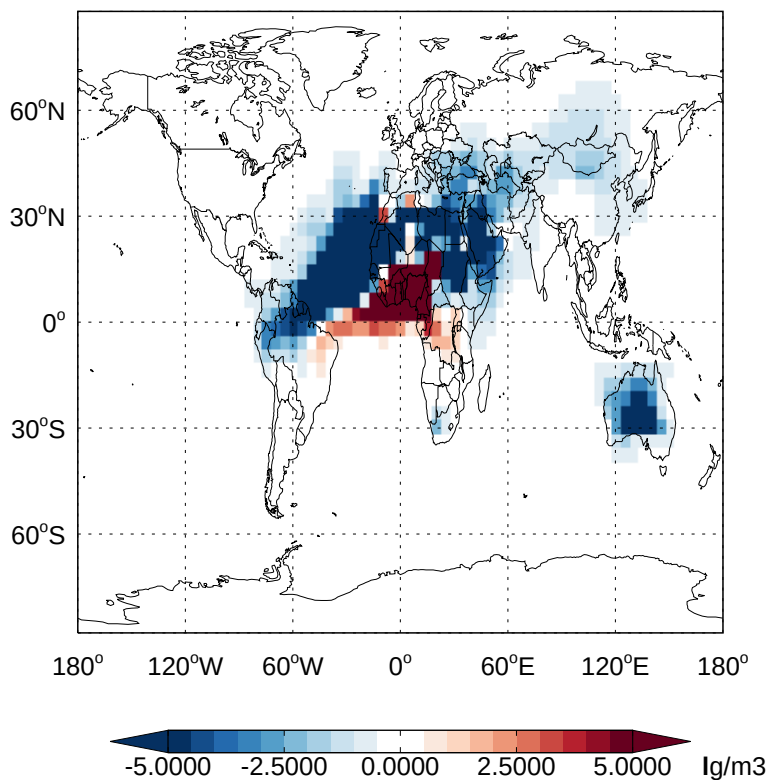
OCPO- Diff @ 500 hPa for Jan



# GEOS-Chem Difference Maps at surface and 500 hPa

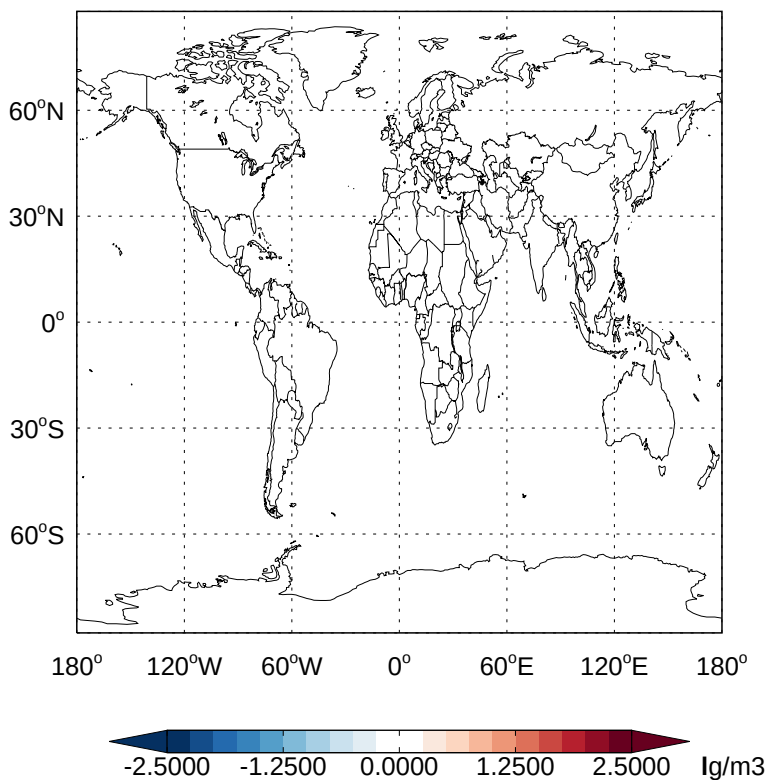
v11-02e-Run1 - v11-02e-Run0

DST1 - Diff @ Surface for Jan



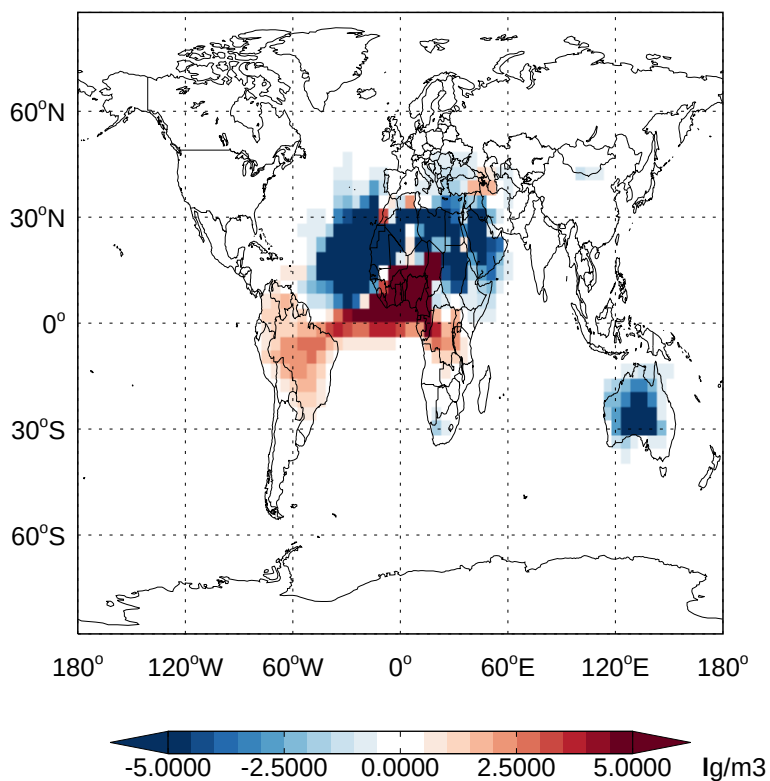
v11-02e-Run1 - v11-02e-Run0

DST1- Diff @ 500 hPa for Jan



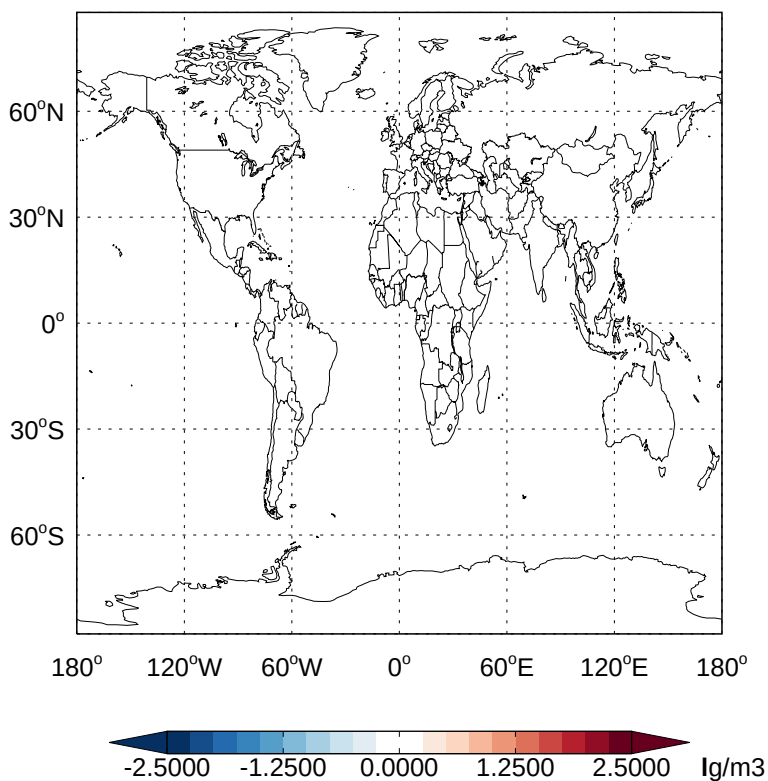
v11-02e-Run1 - v11-02d-Run1

DST1 - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

DST1- Diff @ 500 hPa for Jan

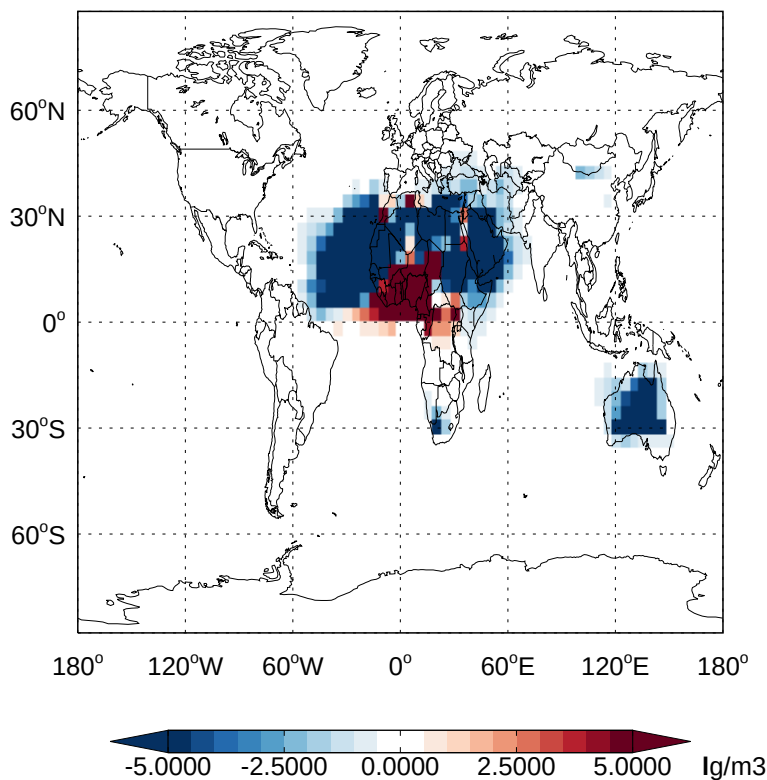




# GEOS-Chem Difference Maps at surface and 500 hPa

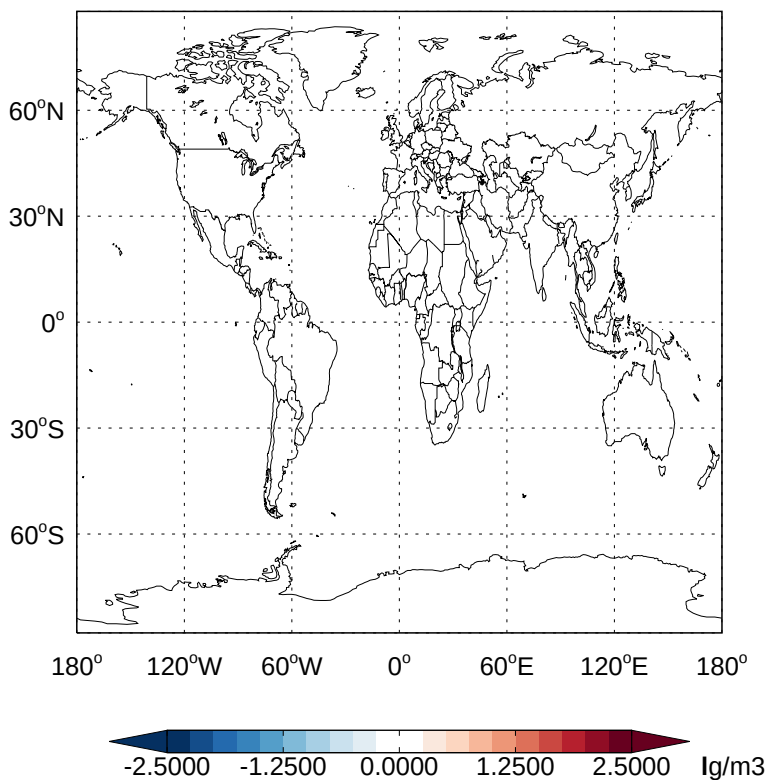
v11-02e-Run1 - v11-02e-Run0

DST2 - Diff @ Surface for Jan



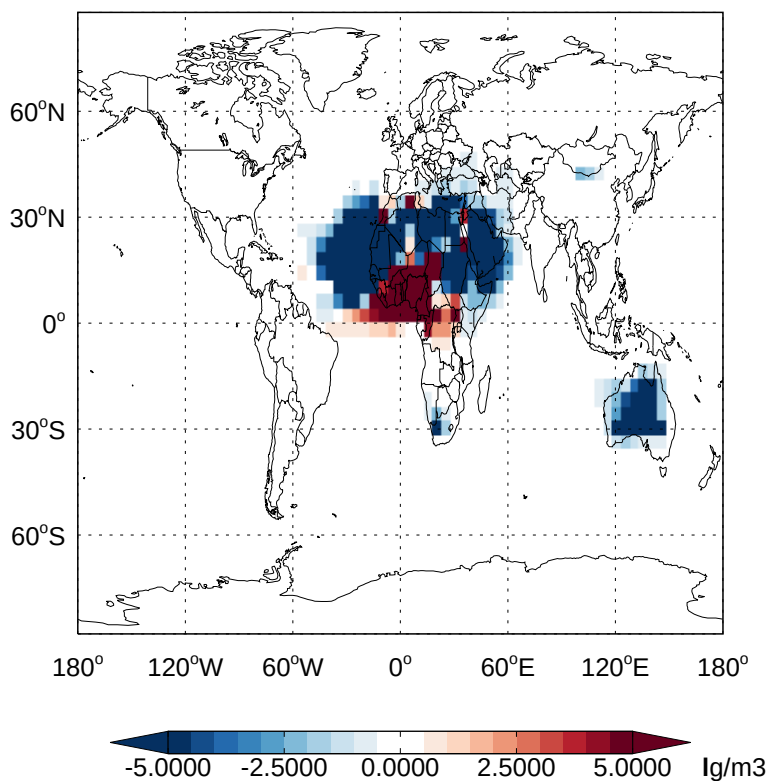
v11-02e-Run1 - v11-02e-Run0

DST2- Diff @ 500 hPa for Jan



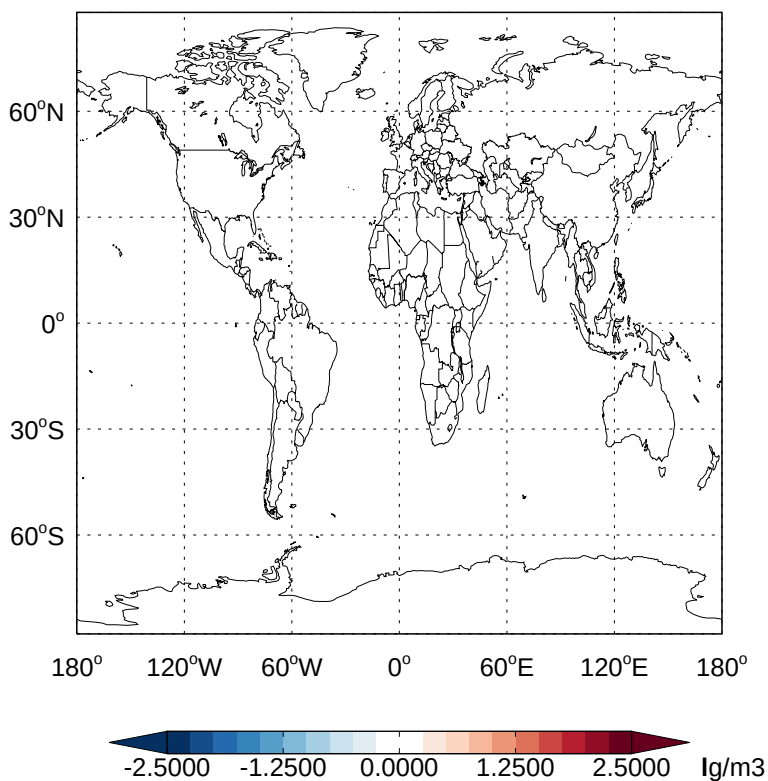
v11-02e-Run1 - v11-02d-Run1

DST2 - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

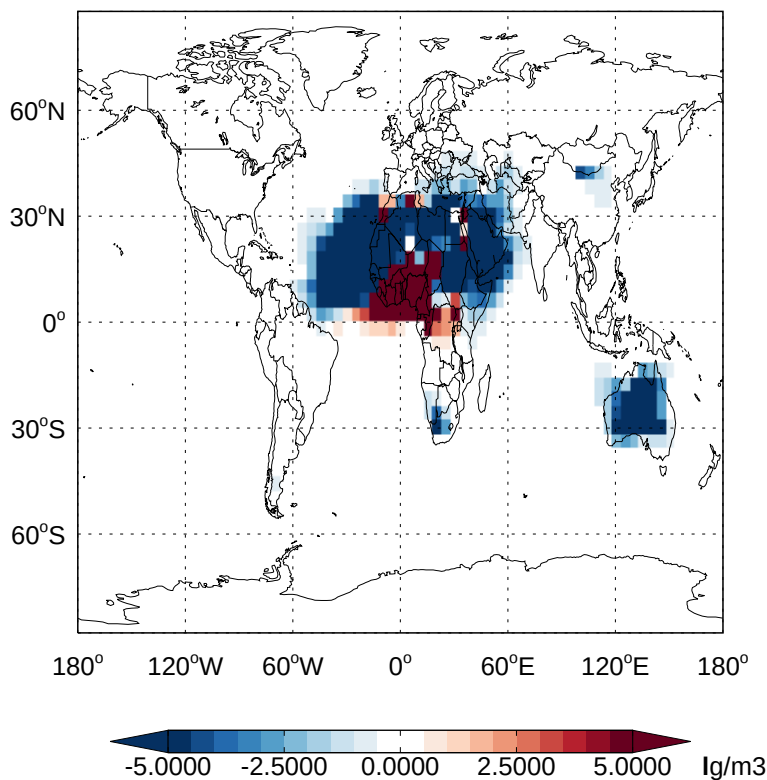
DST2- Diff @ 500 hPa for Jan



# GEOS-Chem Difference Maps at surface and 500 hPa

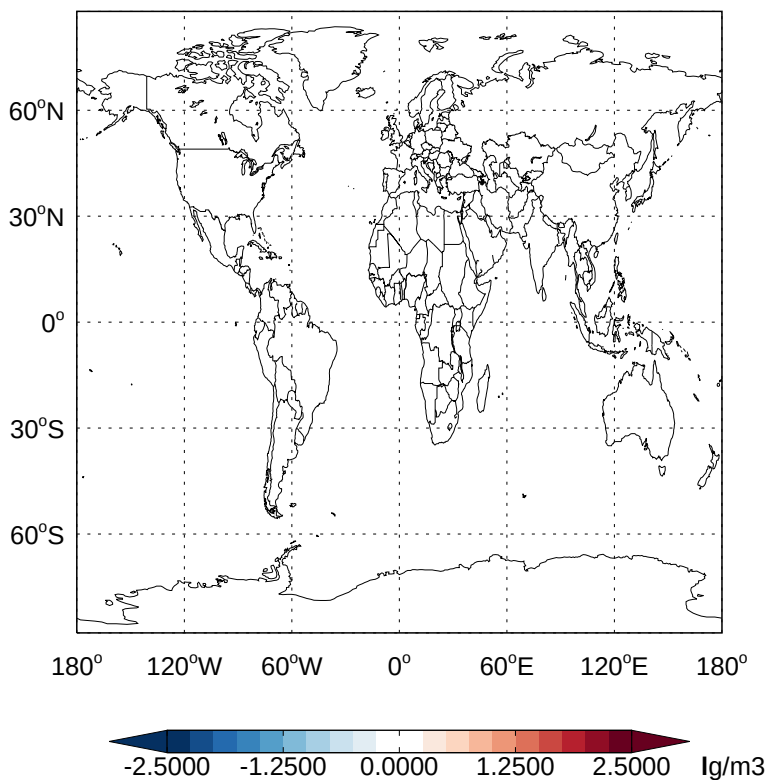
v11-02e-Run1 - v11-02e-Run0

DST3 - Diff @ Surface for Jan



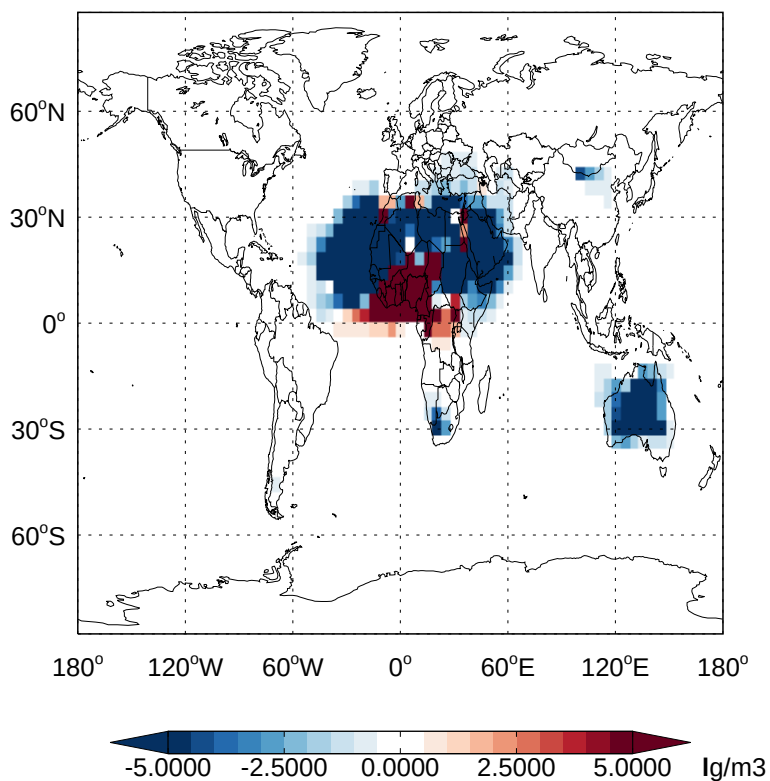
v11-02e-Run1 - v11-02e-Run0

DST3- Diff @ 500 hPa for Jan



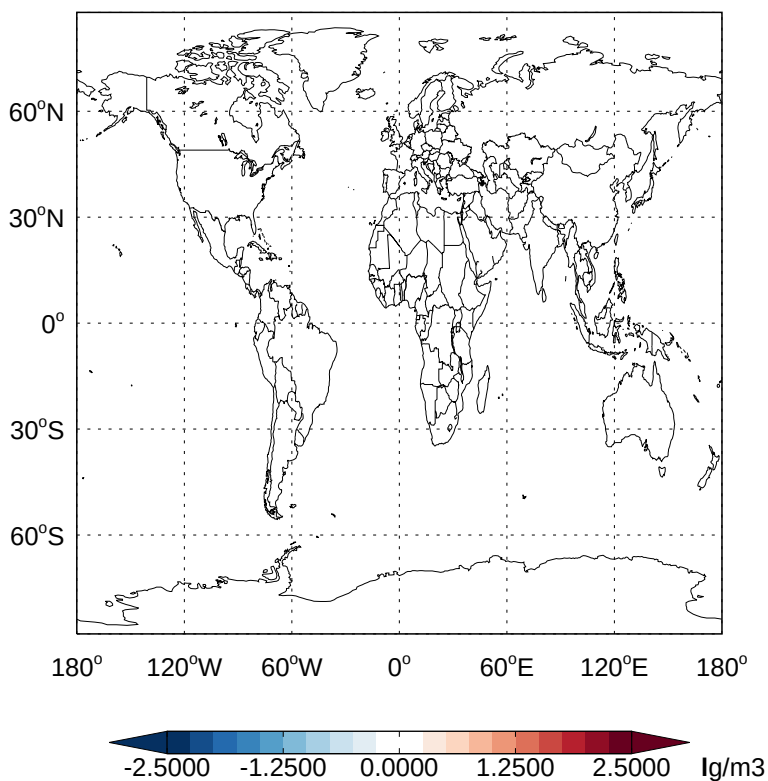
v11-02e-Run1 - v11-02d-Run1

DST3 - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

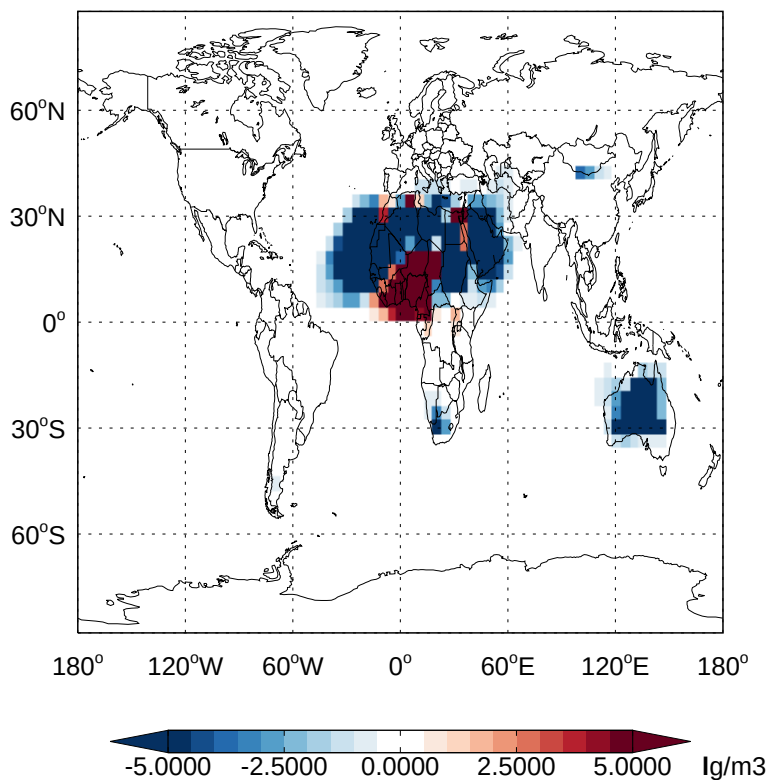
DST3- Diff @ 500 hPa for Jan



# GEOS-Chem Difference Maps at surface and 500 hPa

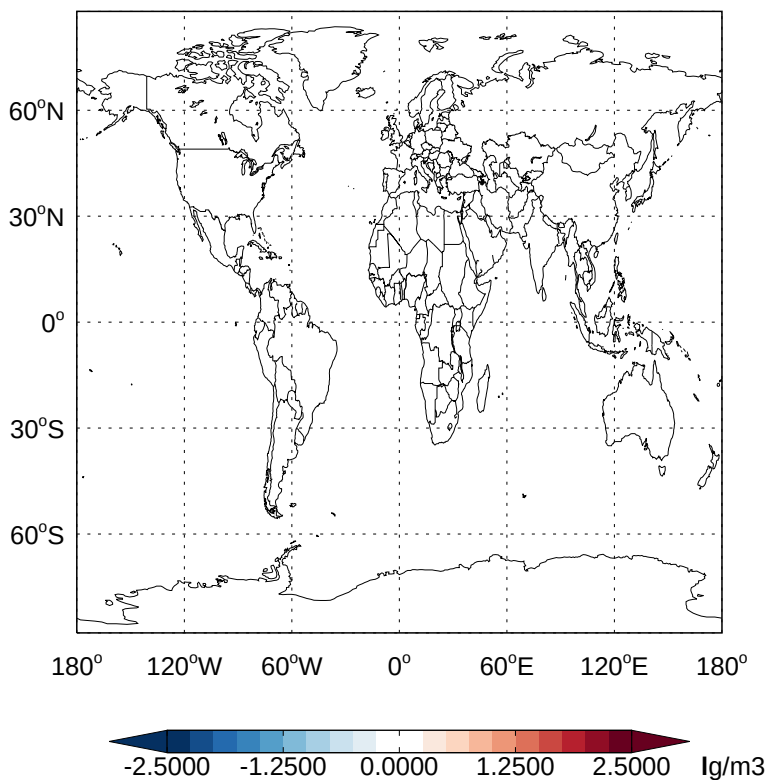
v11-02e-Run1 - v11-02e-Run0

DST4 - Diff @ Surface for Jan



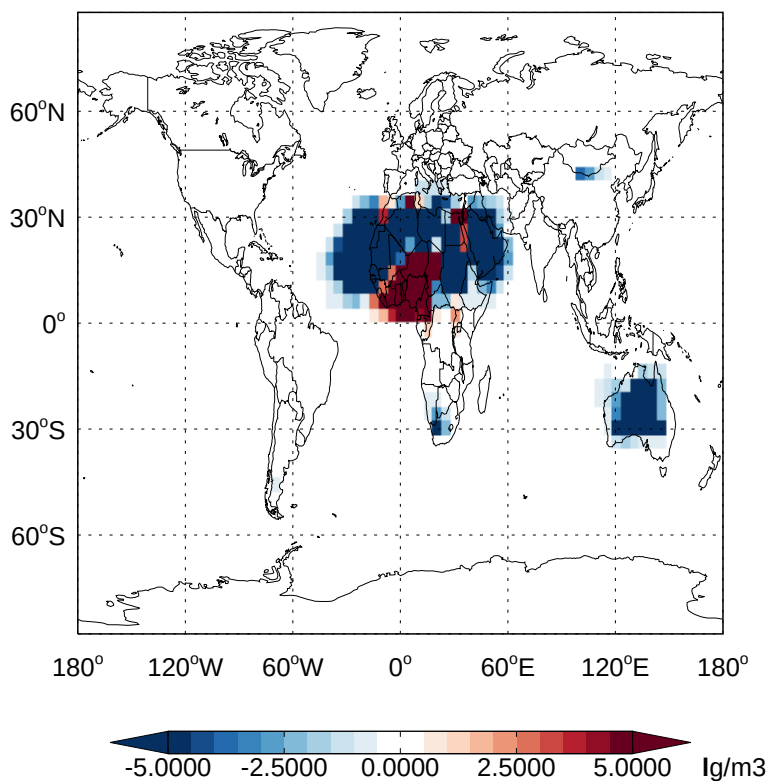
v11-02e-Run1 - v11-02e-Run0

DST4- Diff @ 500 hPa for Jan



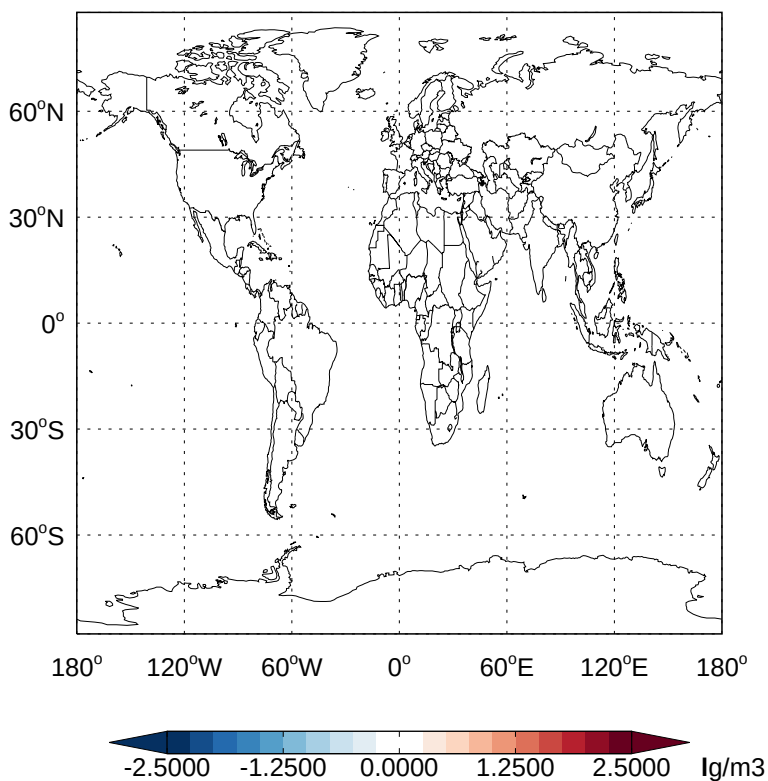
v11-02e-Run1 - v11-02d-Run1

DST4 - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

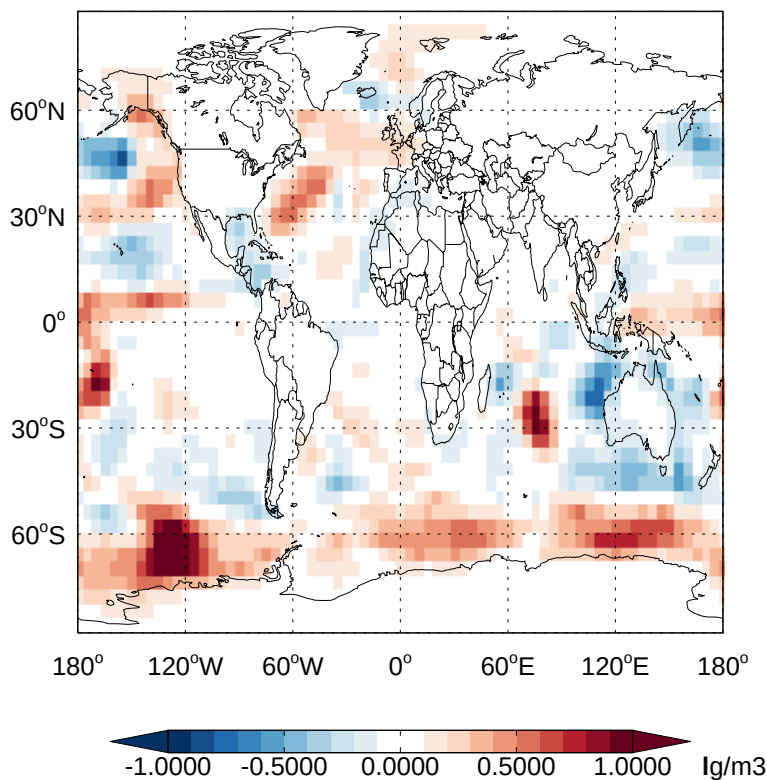
DST4- Diff @ 500 hPa for Jan



# GEOS-Chem Difference Maps at surface and 500 hPa

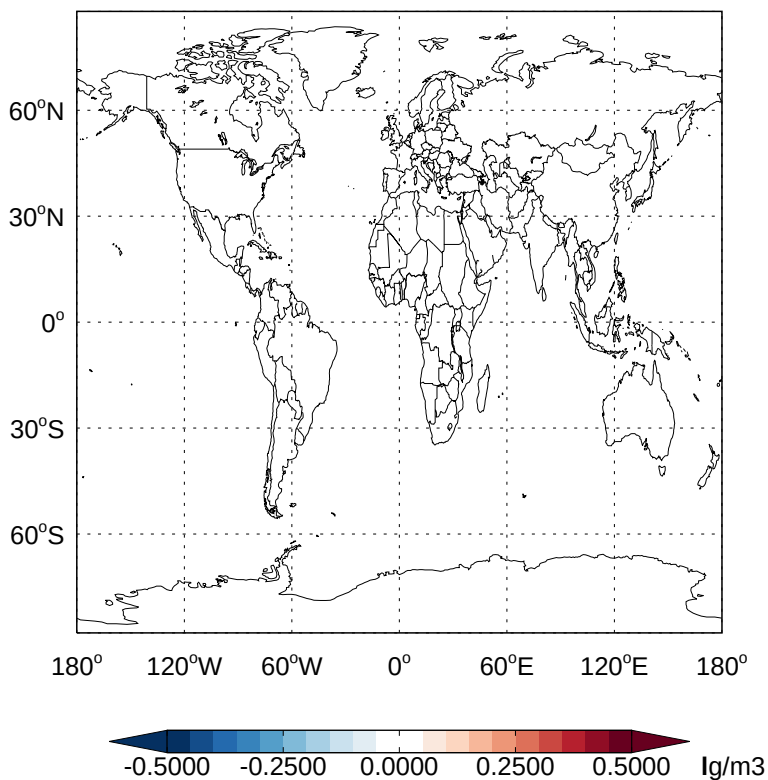
v11-02e-Run1 - v11-02e-Run0

SALA - Diff @ Surface for Jan



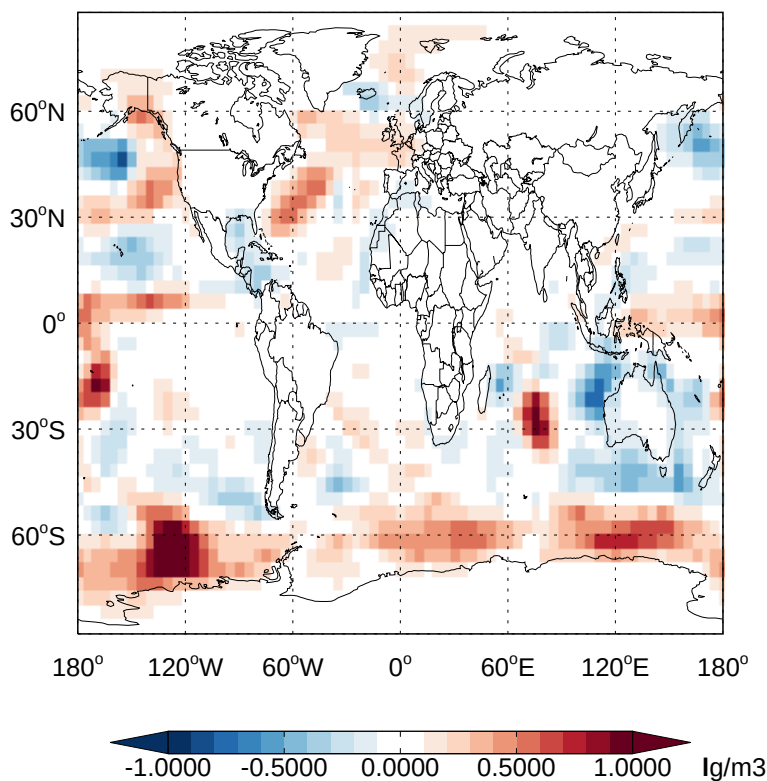
v11-02e-Run1 - v11-02e-Run0

SALA- Diff @ 500 hPa for Jan



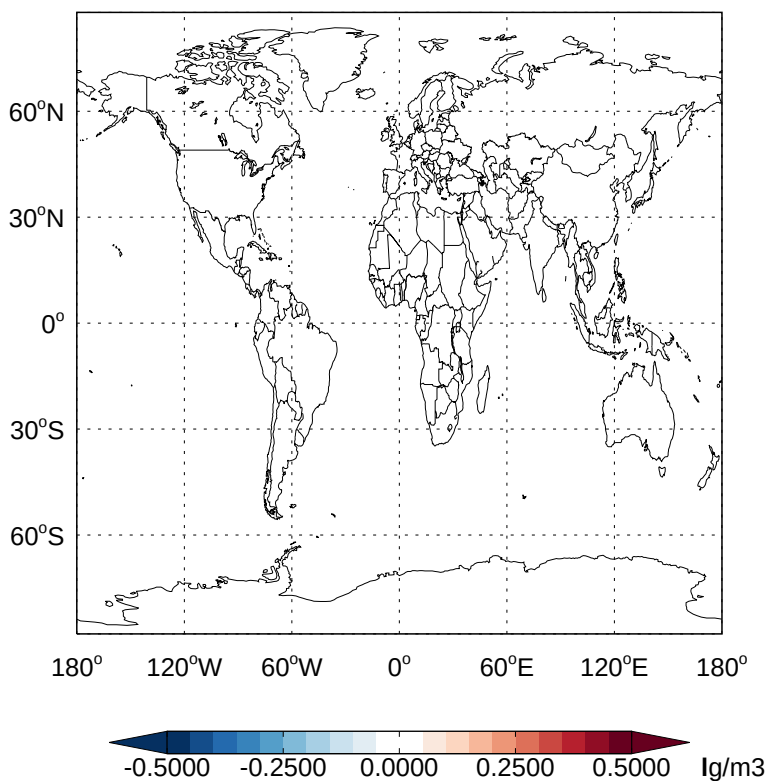
v11-02e-Run1 - v11-02d-Run1

SALA - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

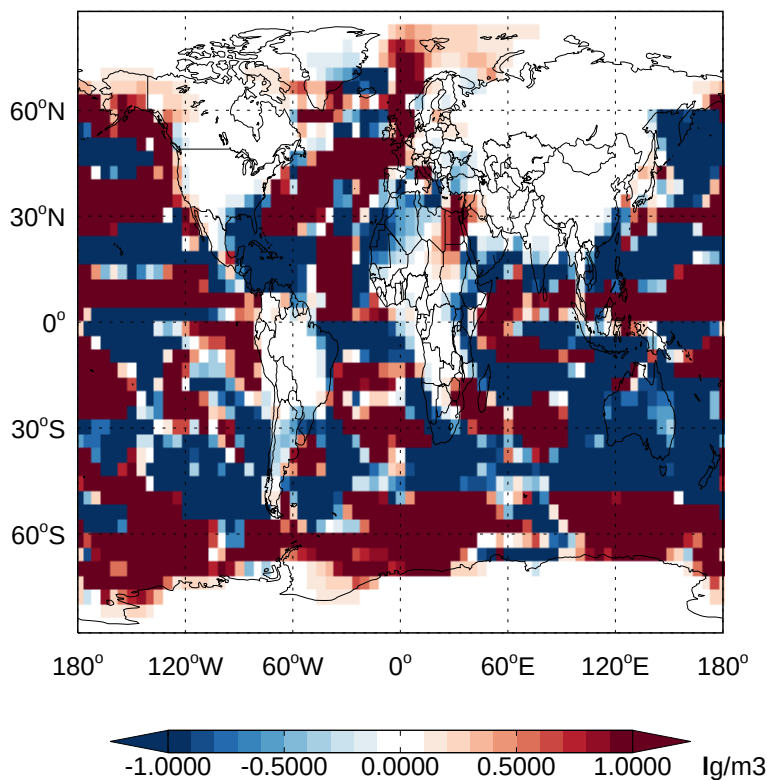
SALA- Diff @ 500 hPa for Jan



## GEOS-Chem Difference Maps at surface and 500 hPa

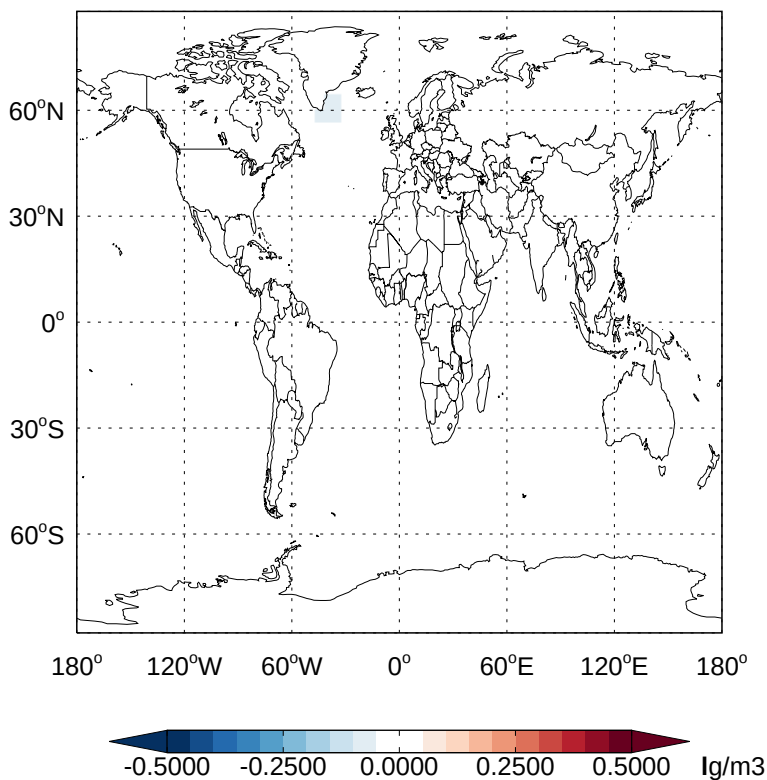
v11-02e-Run1 - v11-02e-Run0

SALC - Diff @ Surface for Jan



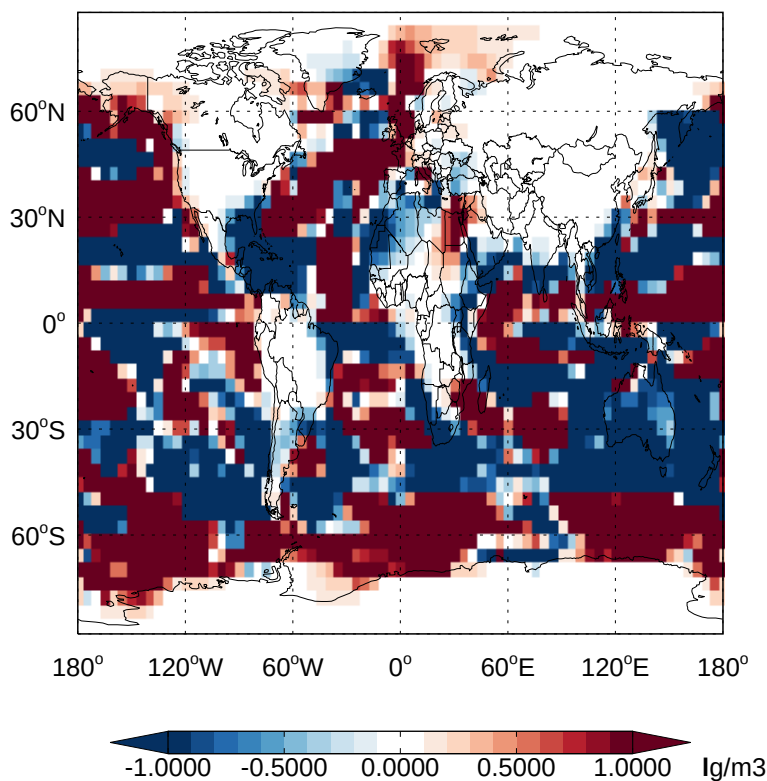
v11-02e-Run1 - v11-02e-Run0

SALC- Diff @ 500 hPa for Jan



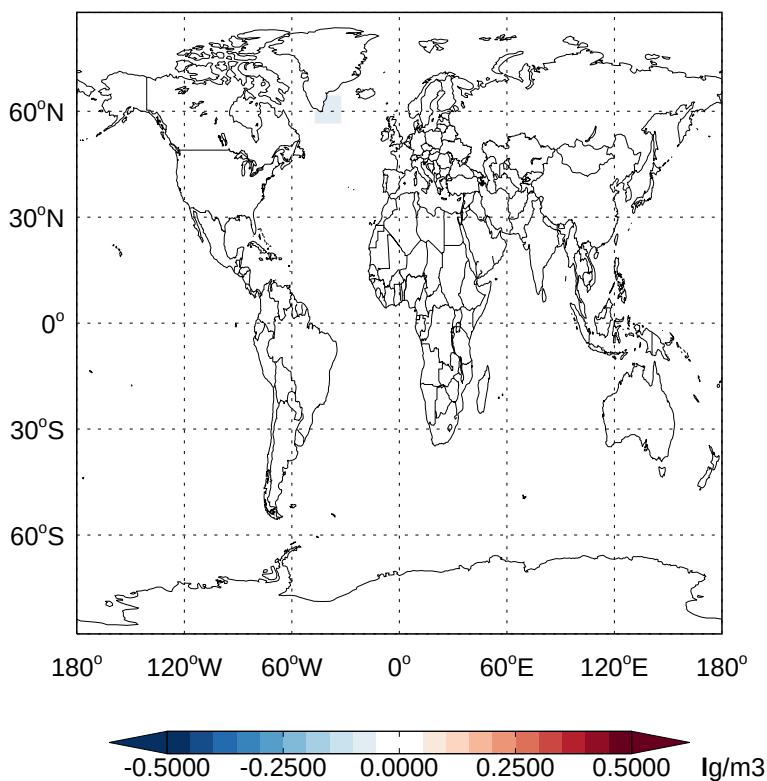
v11-02e-Run1 - v11-02d-Run1

SALC - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

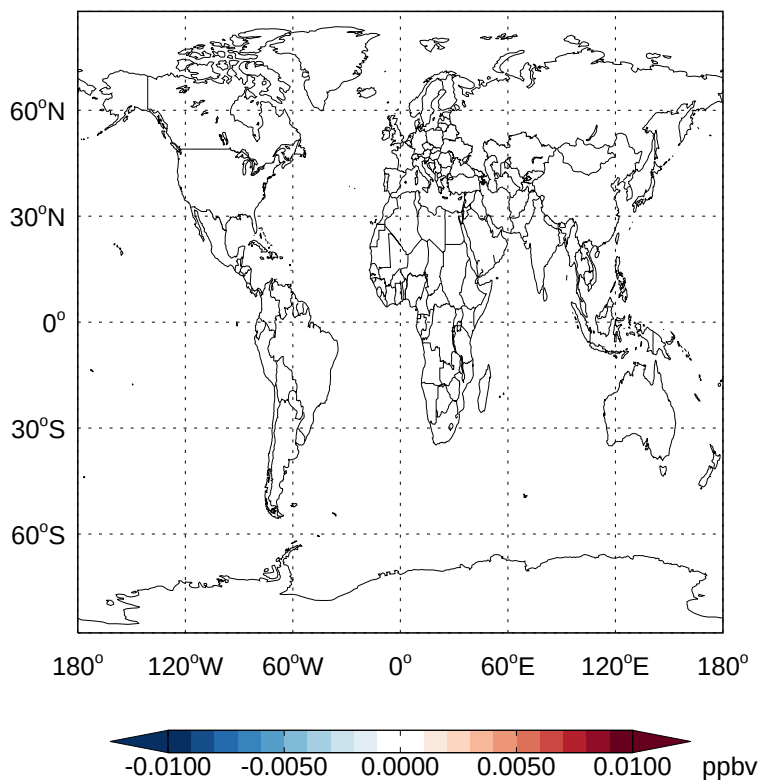
SALC- Diff @ 500 hPa for Jan



# GEOS-Chem Difference Maps at surface and 500 hPa

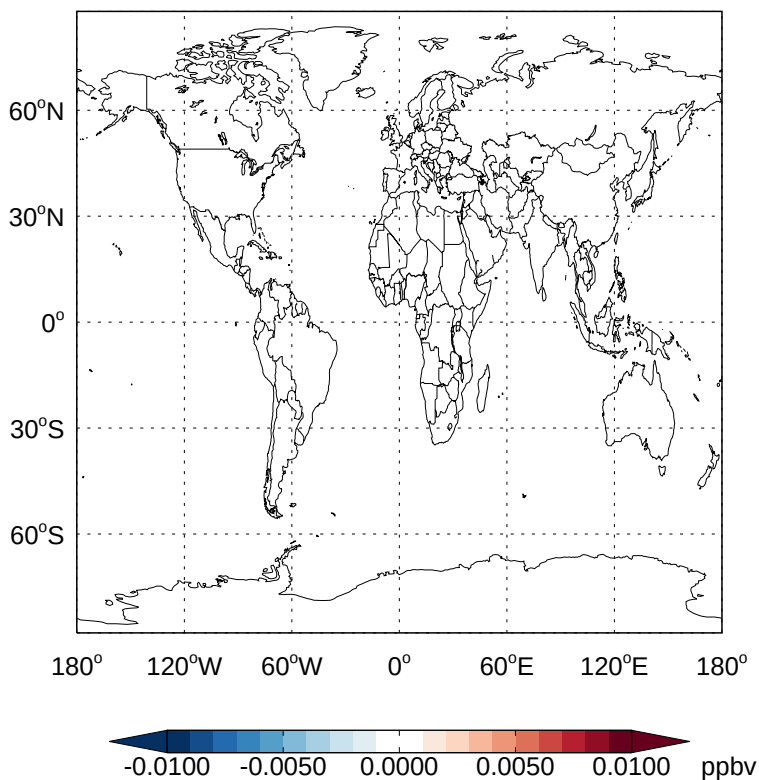
v11-02e-Run1 - v11-02e-Run0

Br2 - Diff @ Surface for Jan



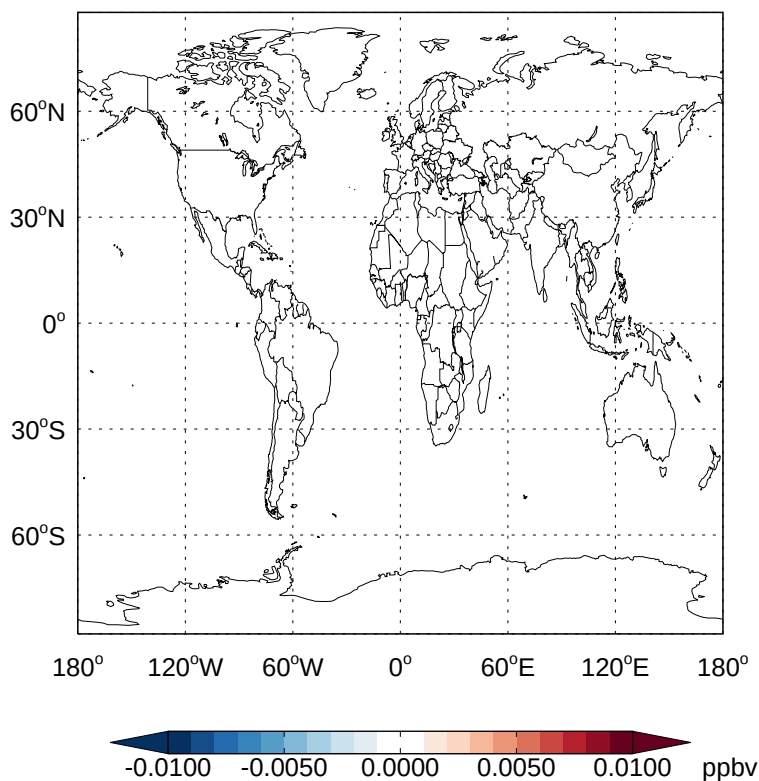
v11-02e-Run1 - v11-02e-Run0

Br2- Diff @ 500 hPa for Jan



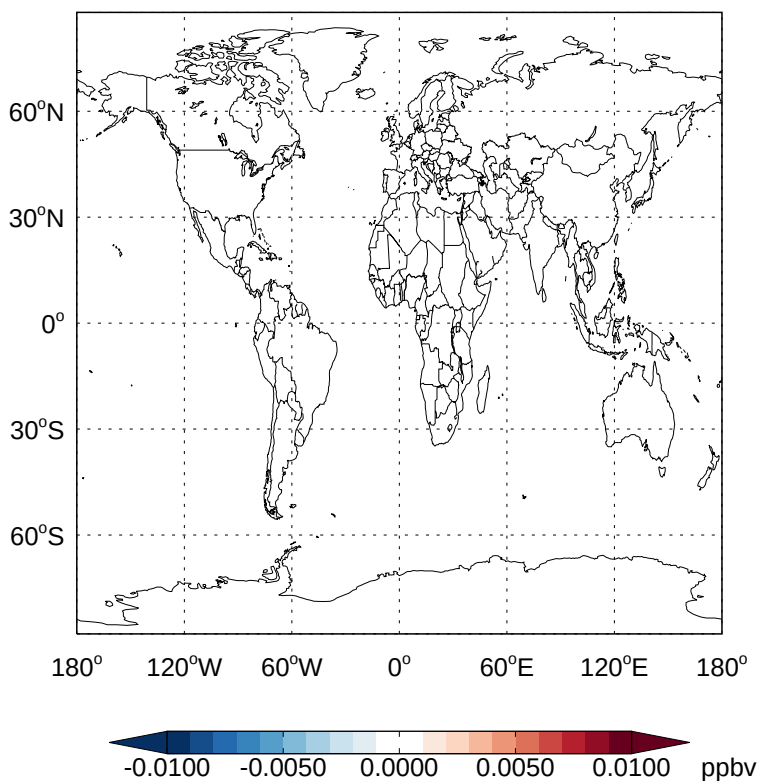
v11-02e-Run1 - v11-02d-Run1

Br2 - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

Br2- Diff @ 500 hPa for Jan

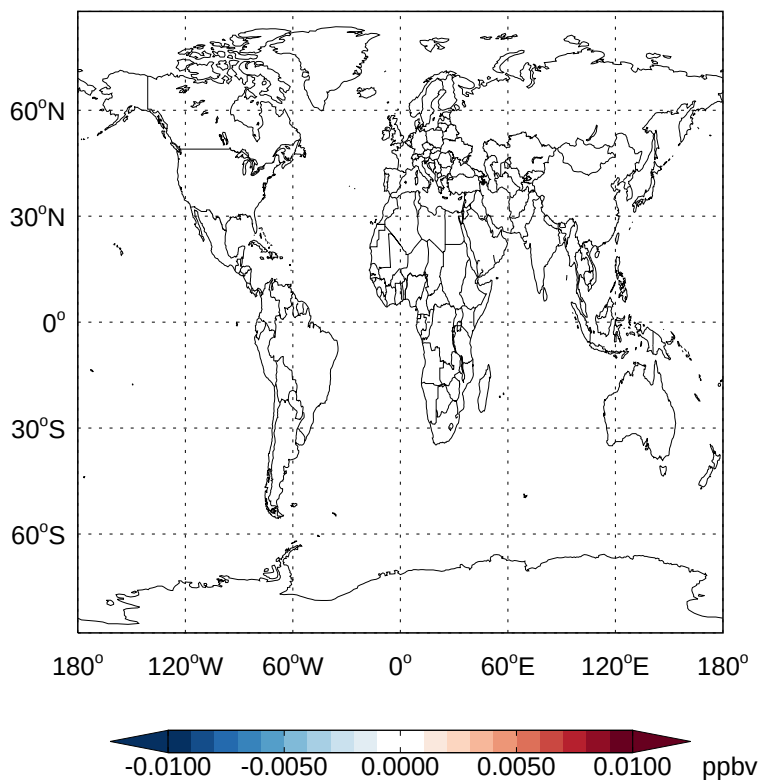




# GEOS-Chem Difference Maps at surface and 500 hPa

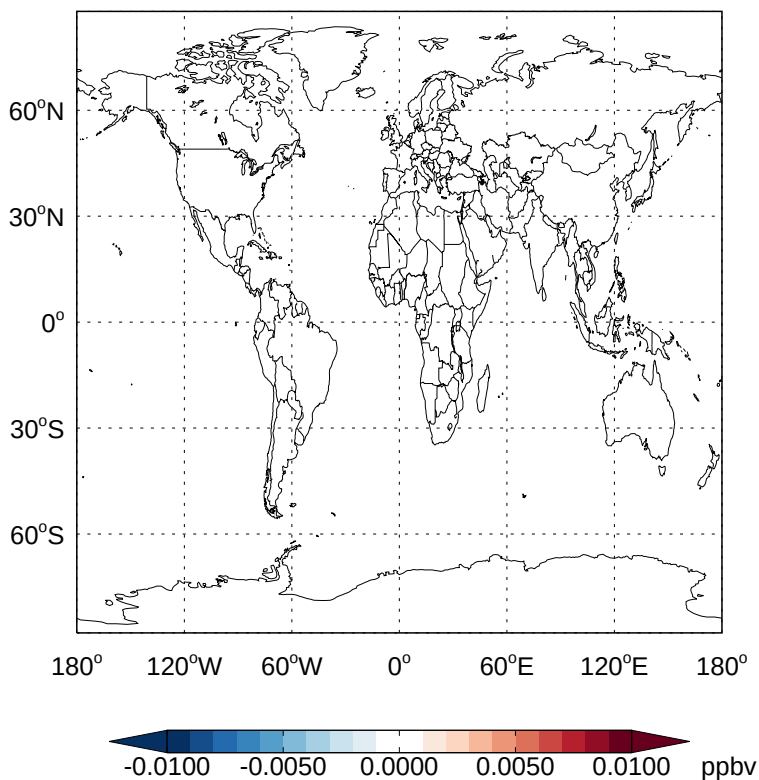
v11-02e-Run1 - v11-02e-Run0

Br - Diff @ Surface for Jan



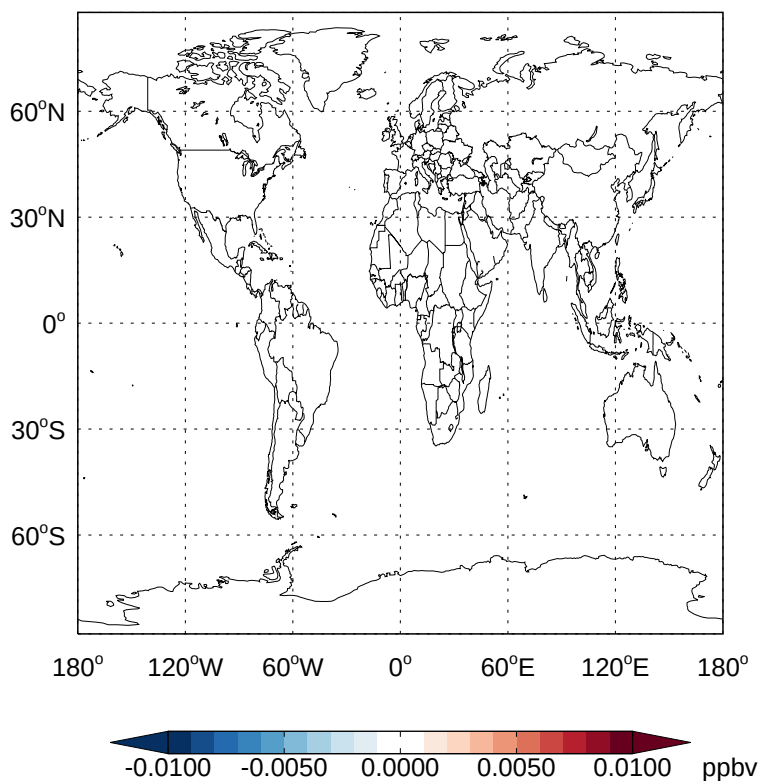
v11-02e-Run1 - v11-02e-Run0

Br- Diff @ 500 hPa for Jan



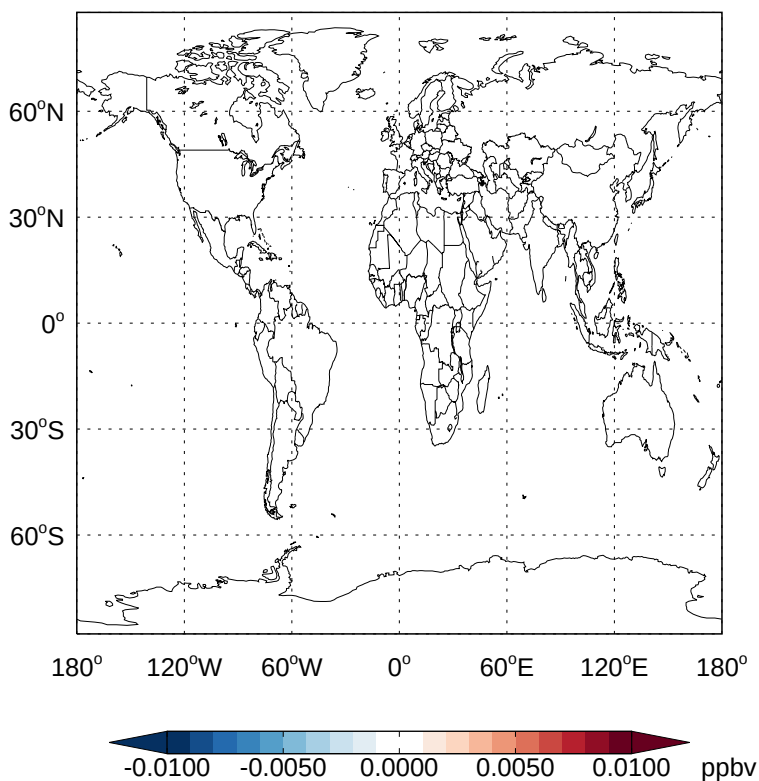
v11-02e-Run1 - v11-02d-Run1

Br - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

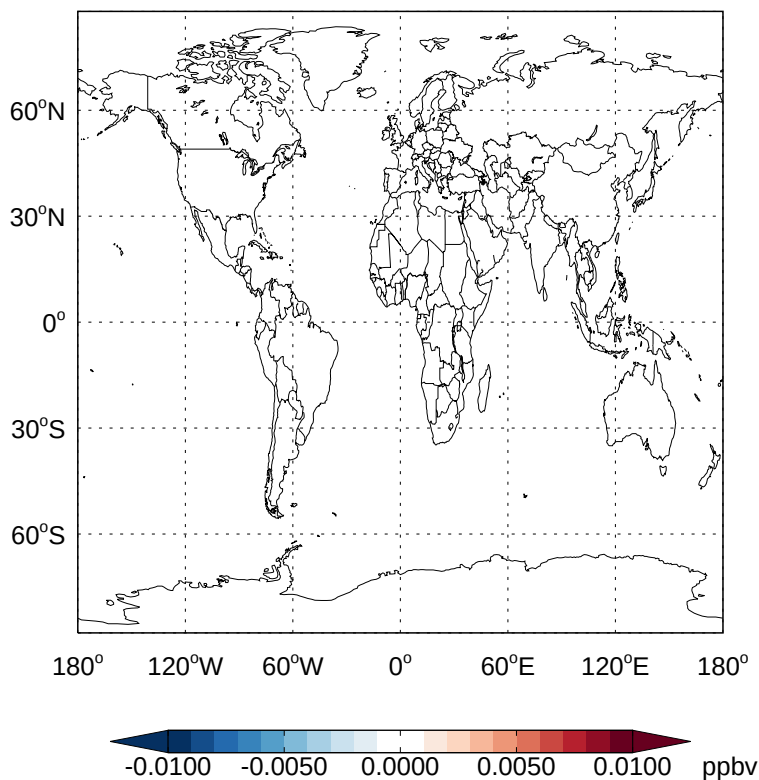
Br- Diff @ 500 hPa for Jan



# GEOS-Chem Difference Maps at surface and 500 hPa

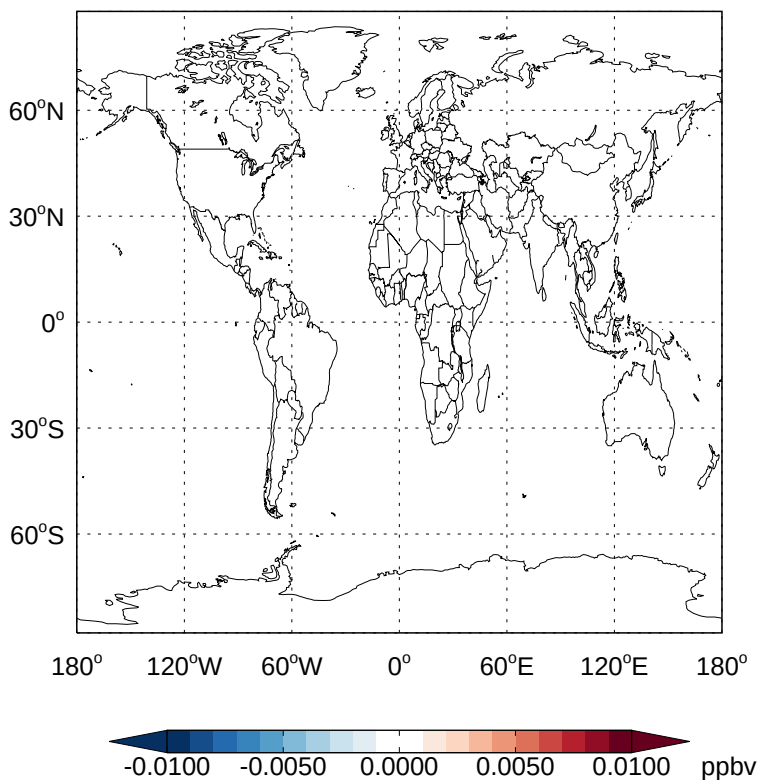
v11-02e-Run1 - v11-02e-Run0

BrO - Diff @ Surface for Jan



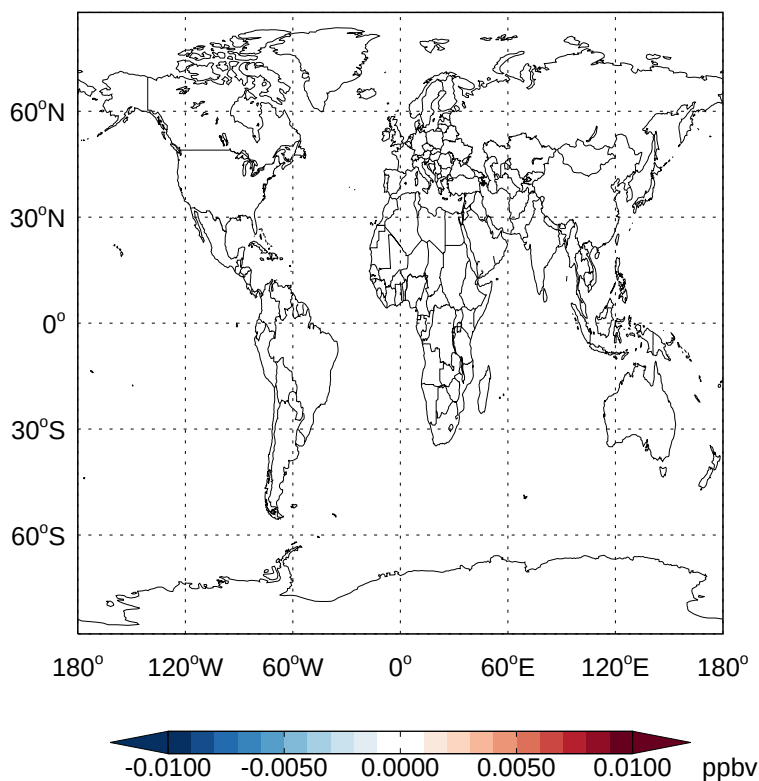
v11-02e-Run1 - v11-02e-Run0

BrO- Diff @ 500 hPa for Jan



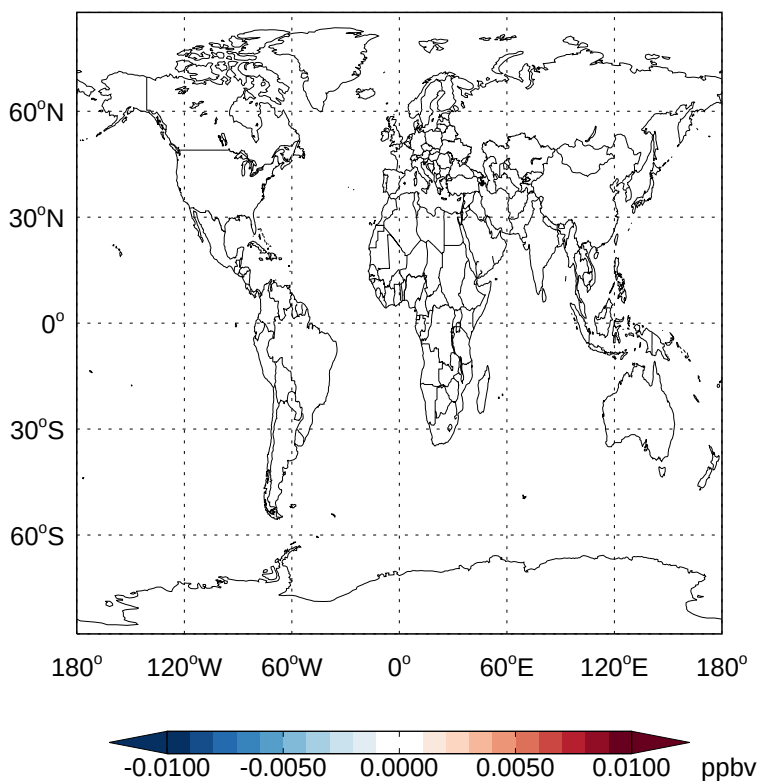
v11-02e-Run1 - v11-02d-Run1

BrO - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

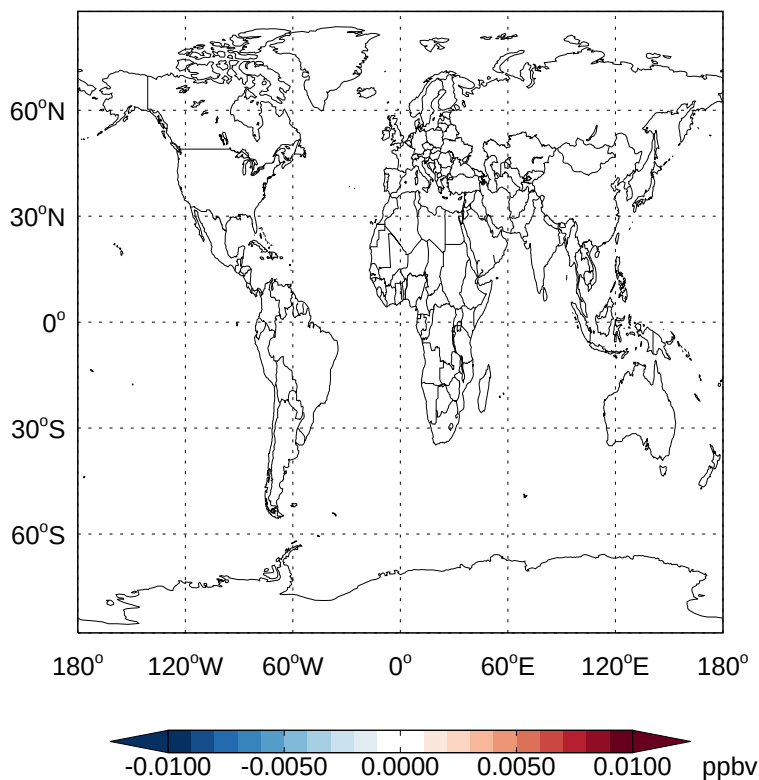
BrO- Diff @ 500 hPa for Jan



# GEOS-Chem Difference Maps at surface and 500 hPa

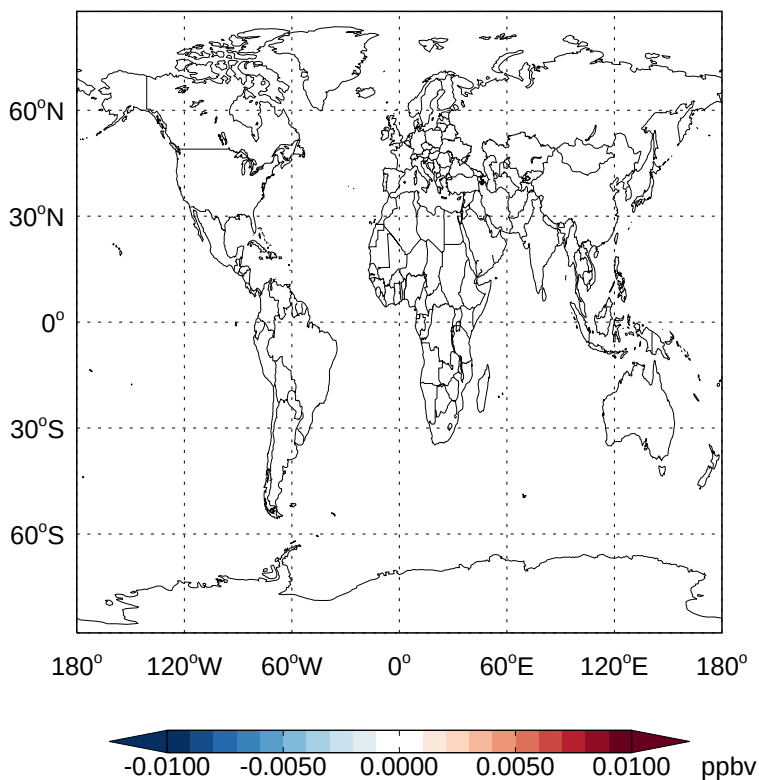
v11-02e-Run1 - v11-02e-Run0

HOBr - Diff @ Surface for Jan



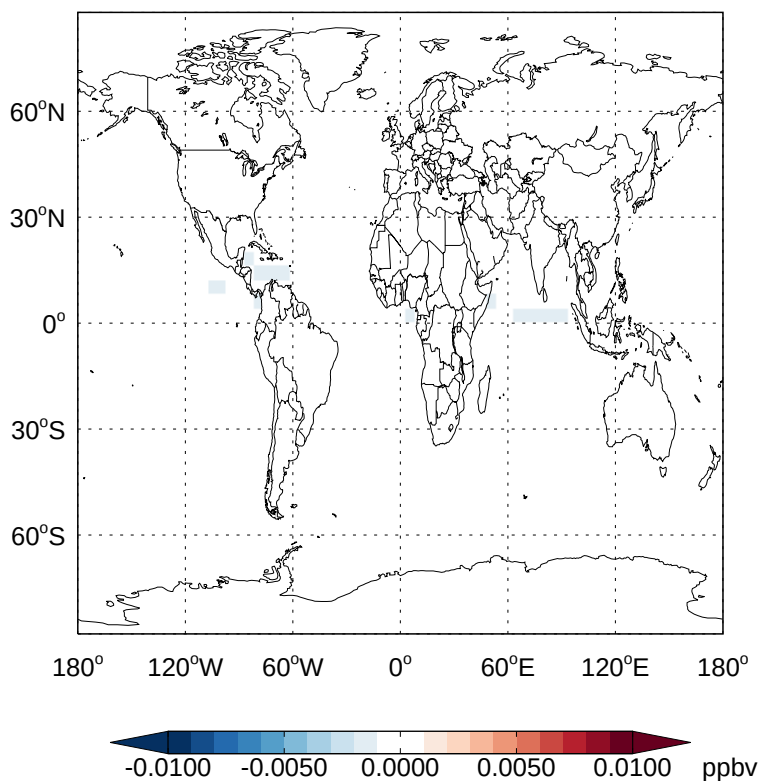
v11-02e-Run1 - v11-02e-Run0

HOBr- Diff @ 500 hPa for Jan



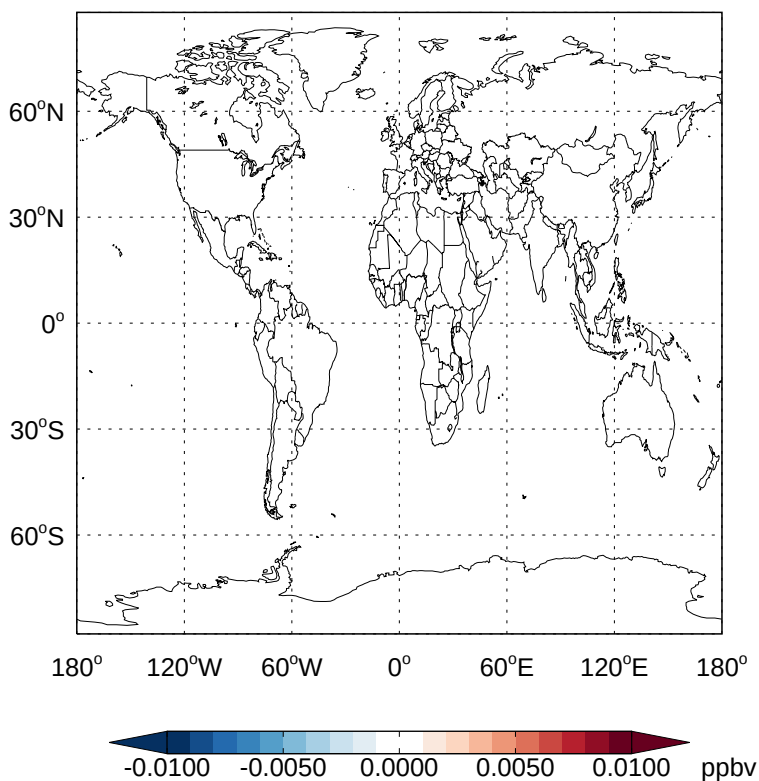
v11-02e-Run1 - v11-02d-Run1

HOBr - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

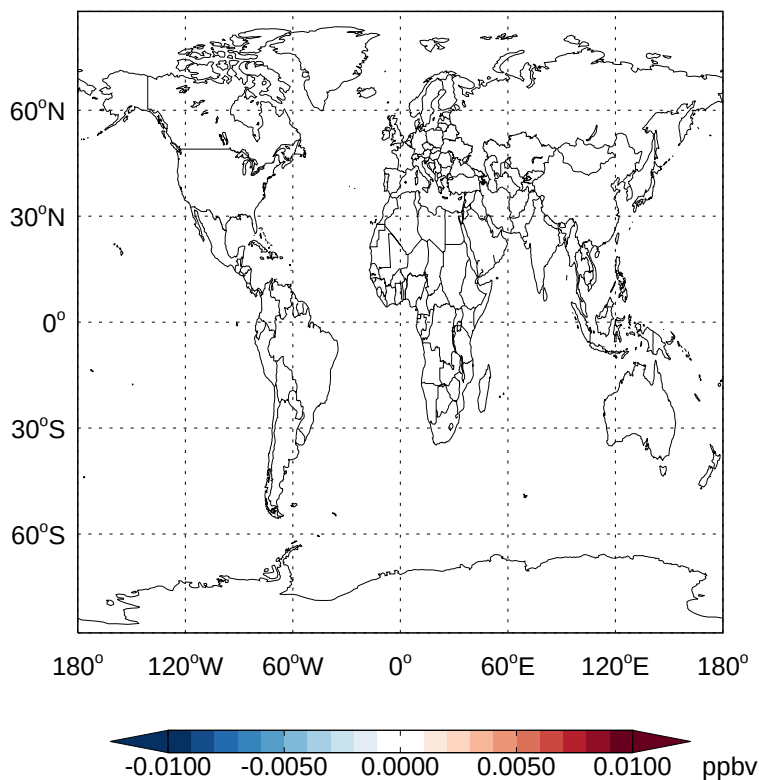
HOBr- Diff @ 500 hPa for Jan



# GEOS-Chem Difference Maps at surface and 500 hPa

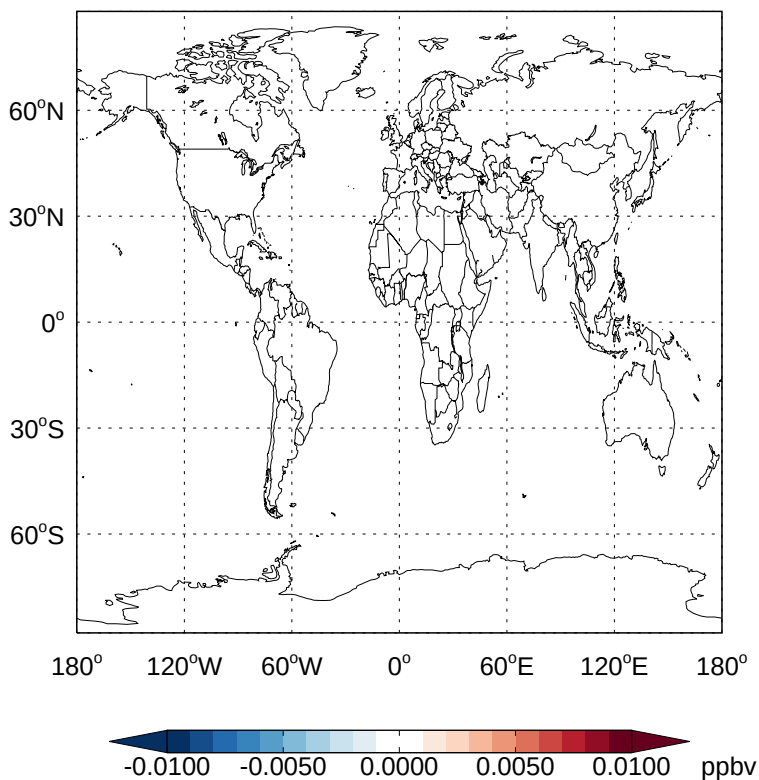
v11-02e-Run1 - v11-02e-Run0

HBr - Diff @ Surface for Jan



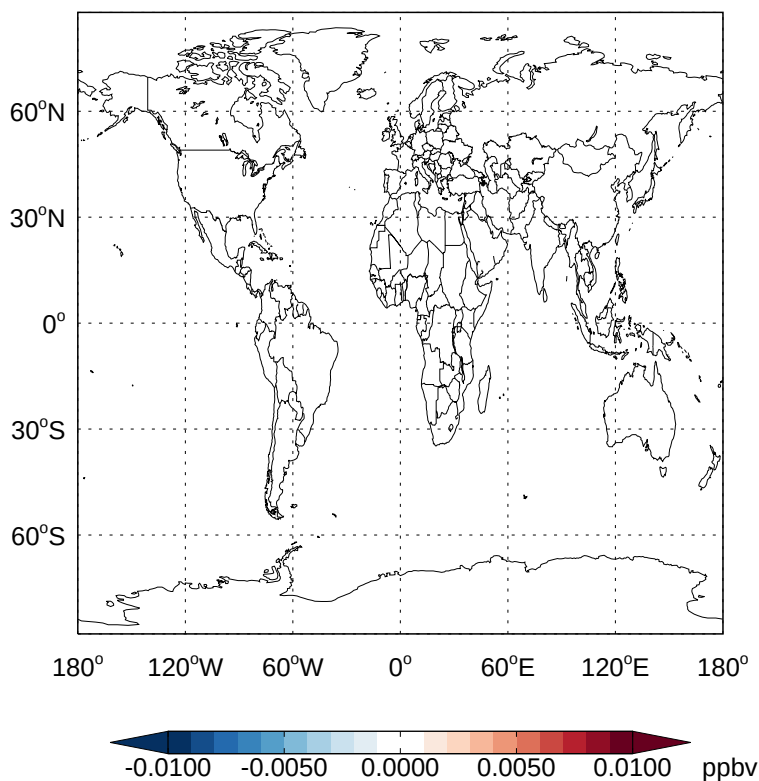
v11-02e-Run1 - v11-02e-Run0

HBr- Diff @ 500 hPa for Jan



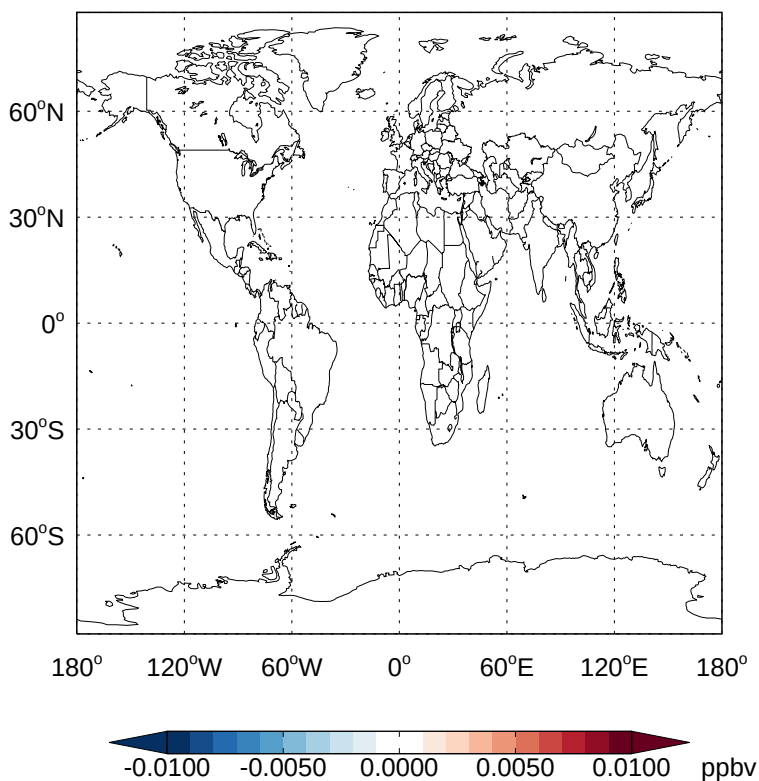
v11-02e-Run1 - v11-02d-Run1

HBr - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

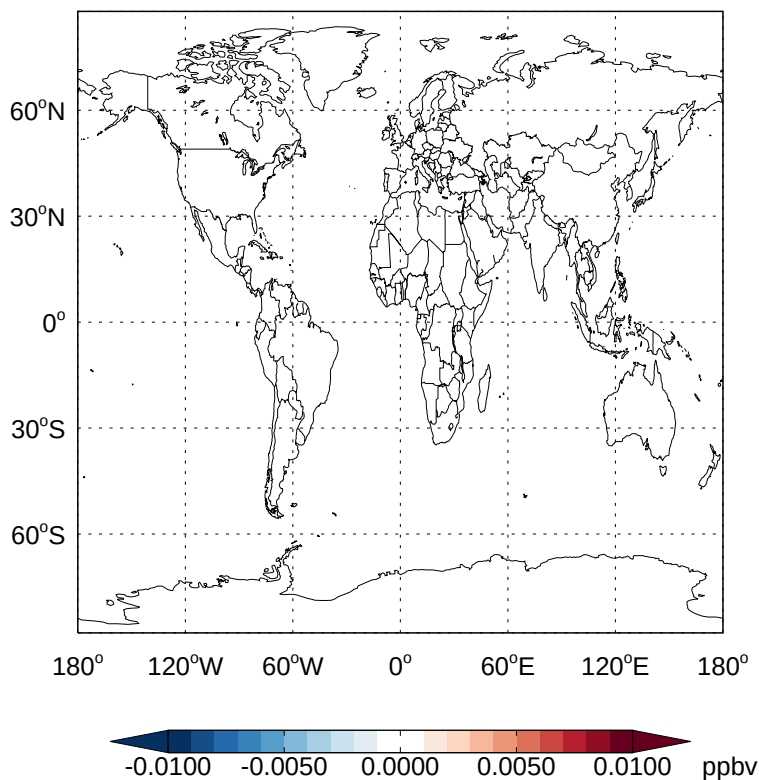
HBr- Diff @ 500 hPa for Jan



# GEOS-Chem Difference Maps at surface and 500 hPa

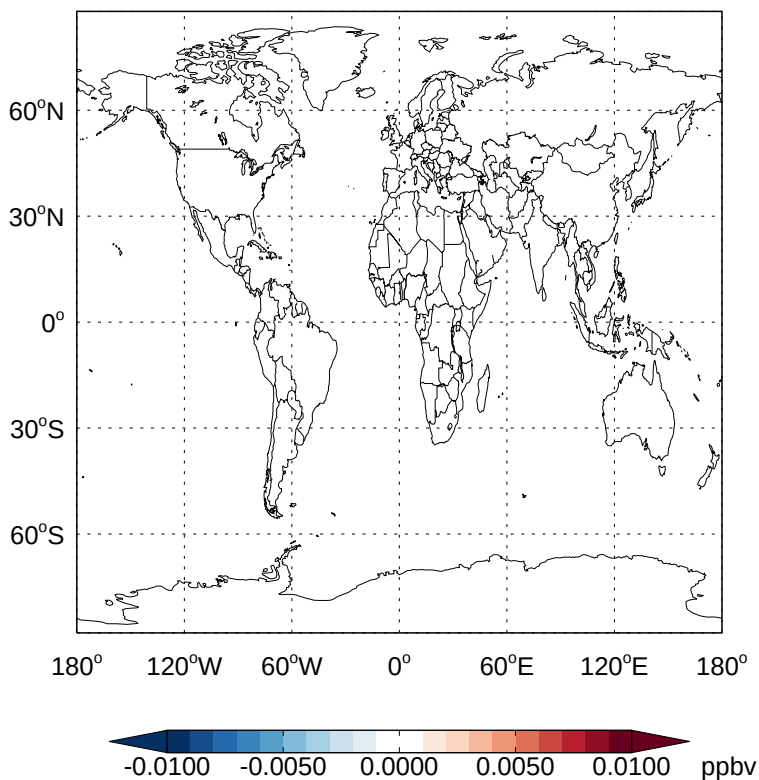
v11-02e-Run1 - v11-02e-Run0

BrNO<sub>2</sub> - Diff @ Surface for Jan



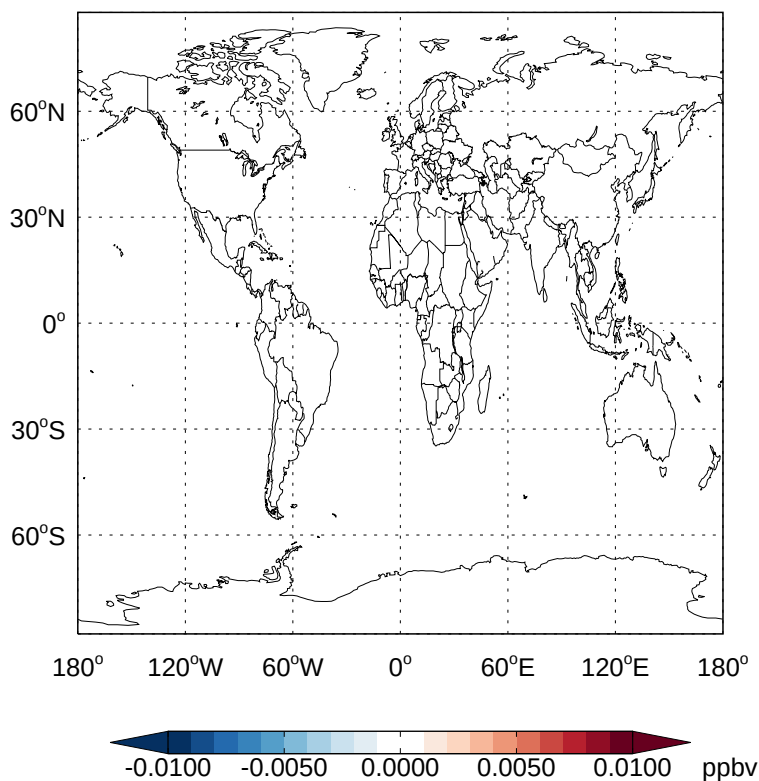
v11-02e-Run1 - v11-02e-Run0

BrNO<sub>2</sub>- Diff @ 500 hPa for Jan



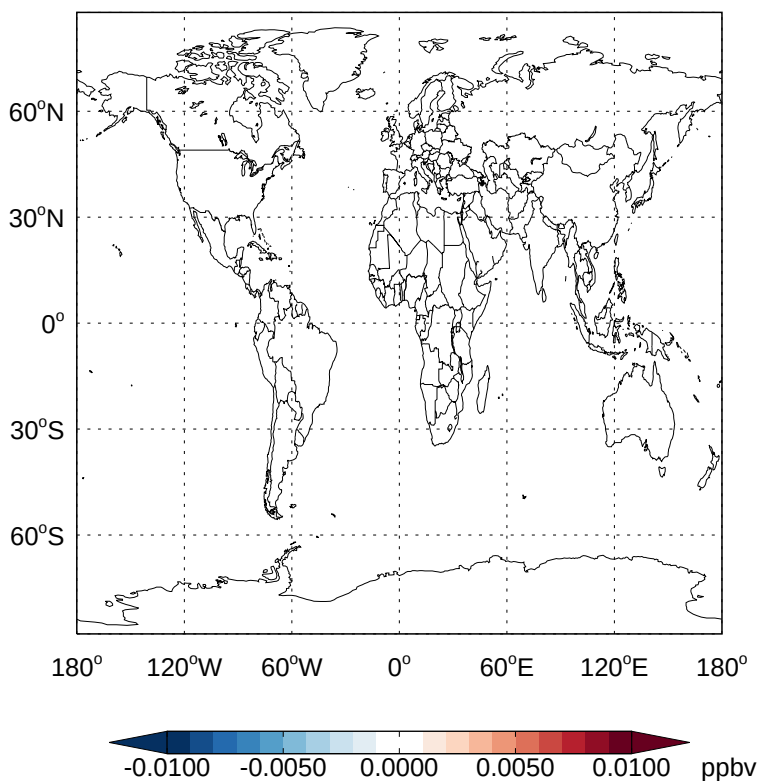
v11-02e-Run1 - v11-02d-Run1

BrNO<sub>2</sub> - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

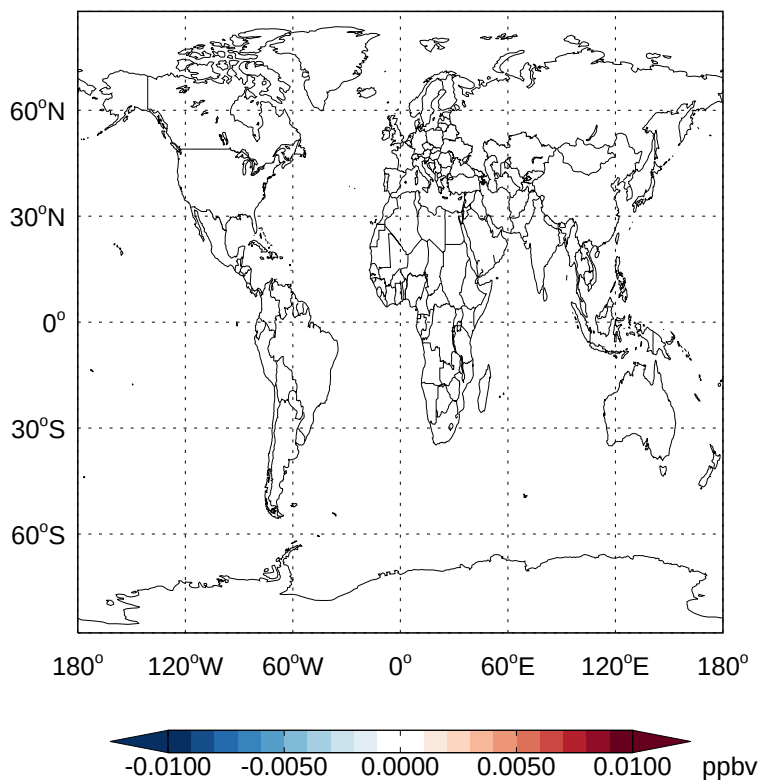
BrNO<sub>2</sub>- Diff @ 500 hPa for Jan



# GEOS-Chem Difference Maps at surface and 500 hPa

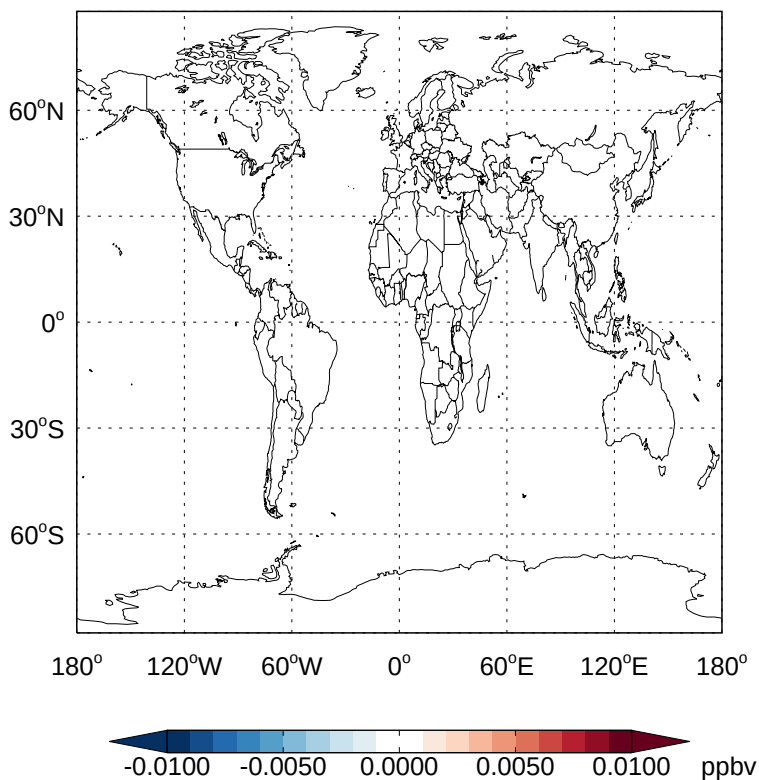
v11-02e-Run1 - v11-02e-Run0

BrNO<sub>3</sub> - Diff @ Surface for Jan



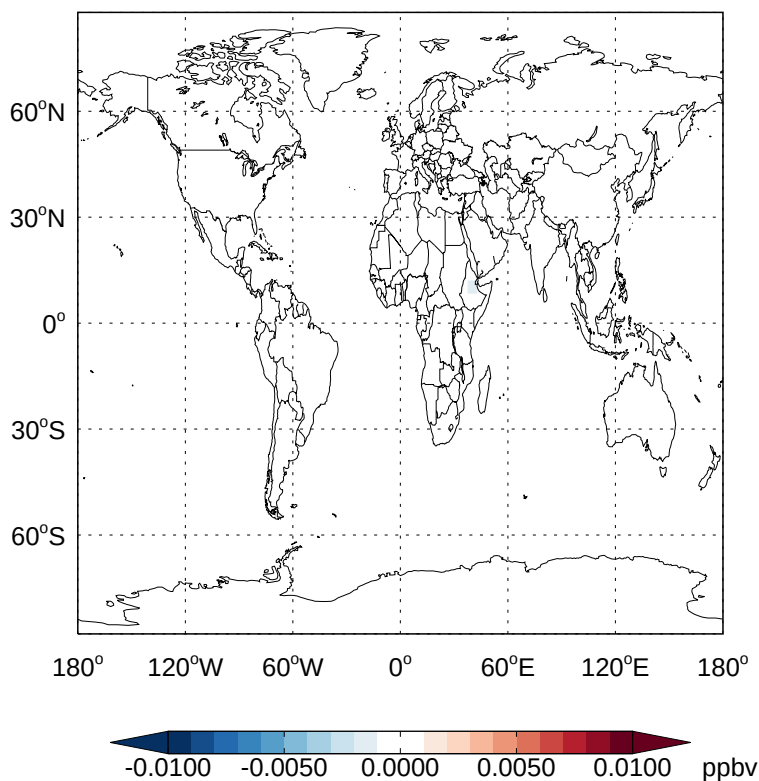
v11-02e-Run1 - v11-02e-Run0

BrNO<sub>3</sub>- Diff @ 500 hPa for Jan



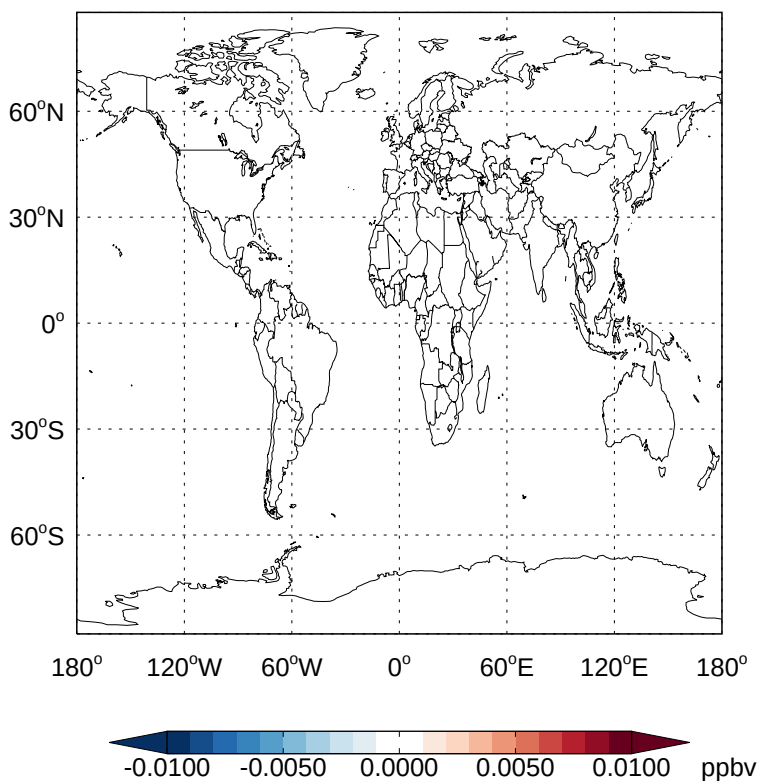
v11-02e-Run1 - v11-02d-Run1

BrNO<sub>3</sub> - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

BrNO<sub>3</sub>- Diff @ 500 hPa for Jan

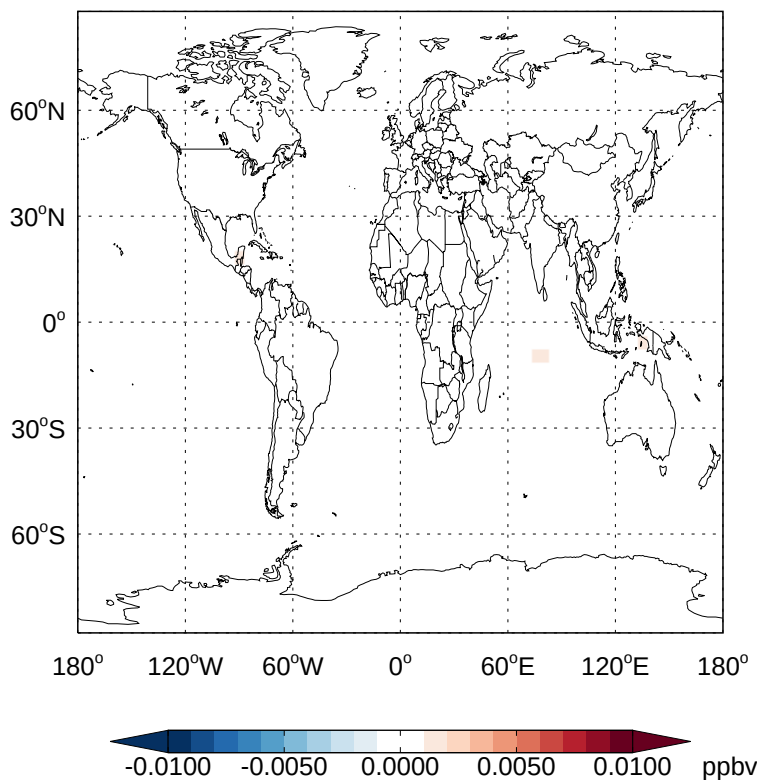




# GEOS-Chem Difference Maps at surface and 500 hPa

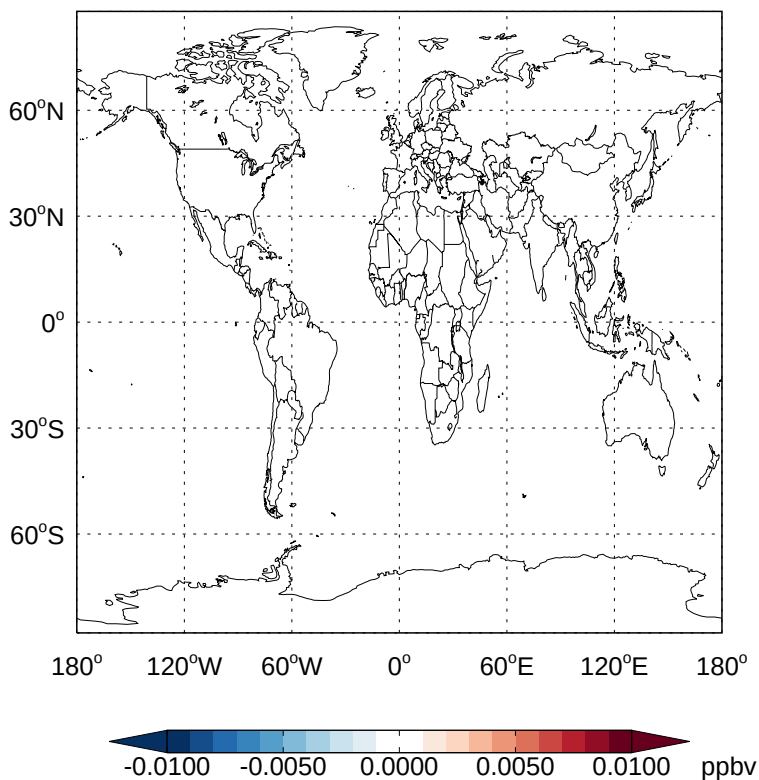
v11-02e-Run1 - v11-02e-Run0

CHBr3 - Diff @ Surface for Jan



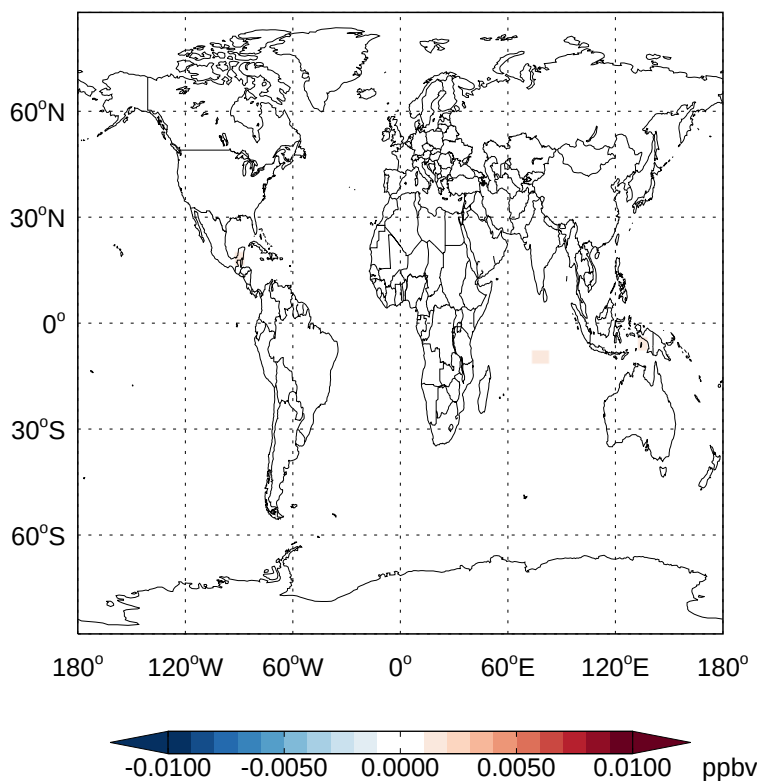
v11-02e-Run1 - v11-02e-Run0

CHBr3- Diff @ 500 hPa for Jan



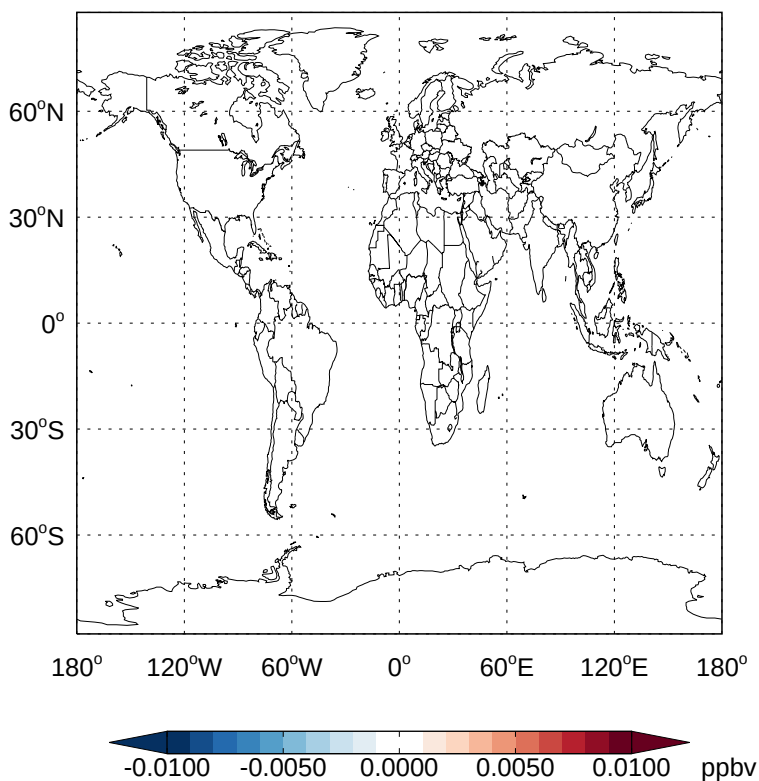
v11-02e-Run1 - v11-02d-Run1

CHBr3 - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

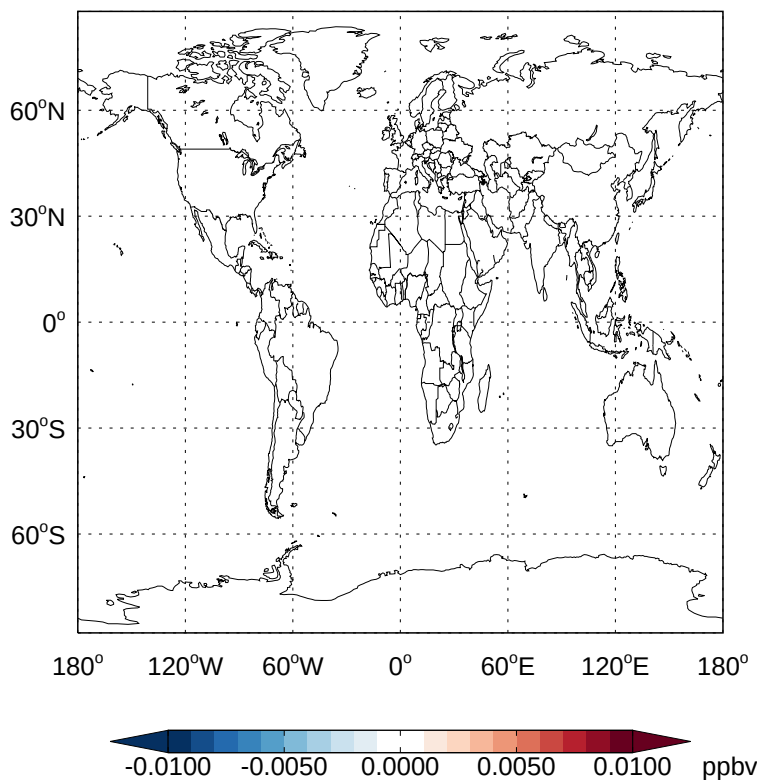
CHBr3- Diff @ 500 hPa for Jan



# GEOS-Chem Difference Maps at surface and 500 hPa

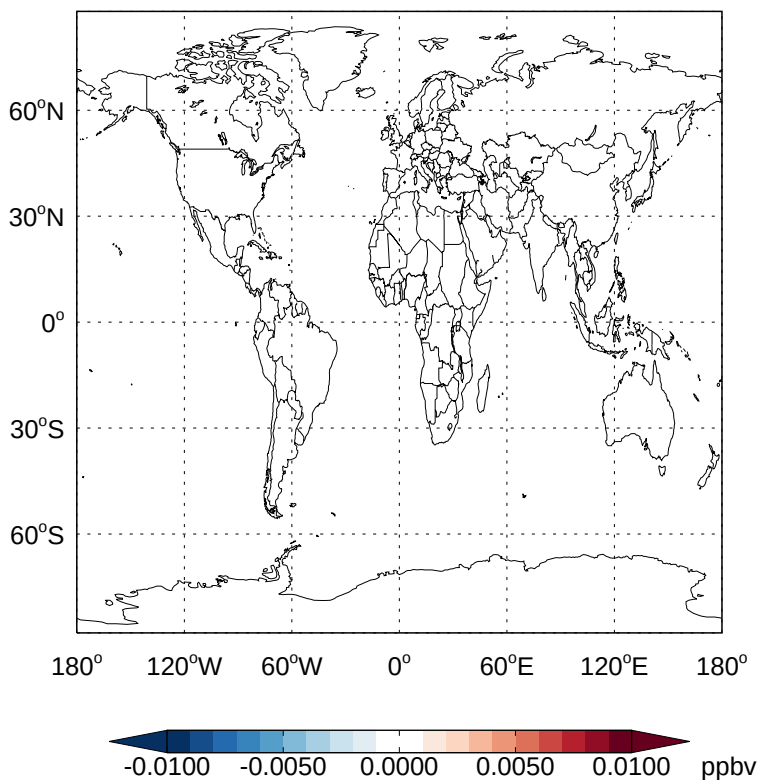
v11-02e-Run1 - v11-02e-Run0

CH2Br2 - Diff @ Surface for Jan



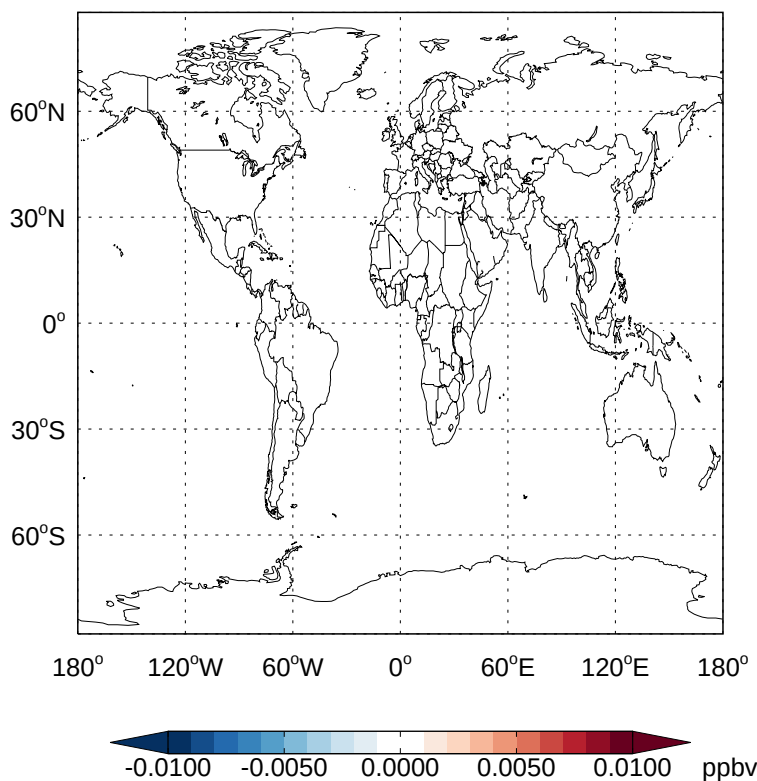
v11-02e-Run1 - v11-02e-Run0

CH2Br2- Diff @ 500 hPa for Jan



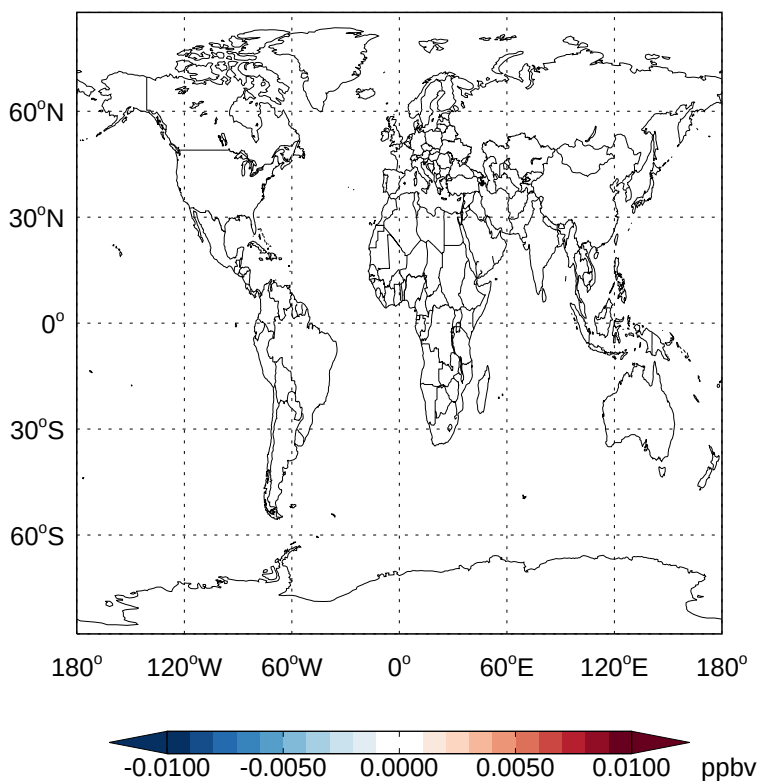
v11-02e-Run1 - v11-02d-Run1

CH2Br2 - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

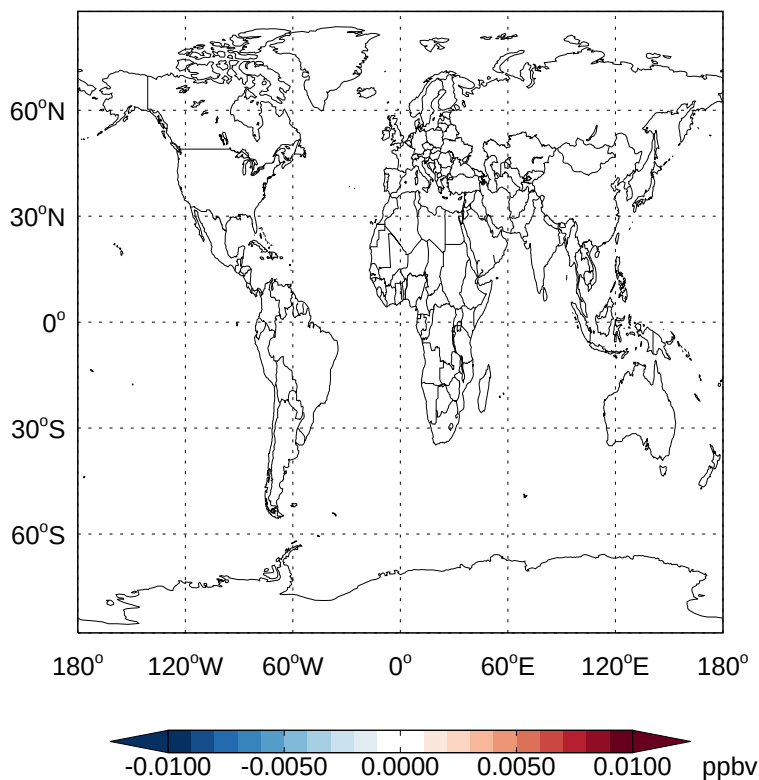
CH2Br2- Diff @ 500 hPa for Jan



# GEOS-Chem Difference Maps at surface and 500 hPa

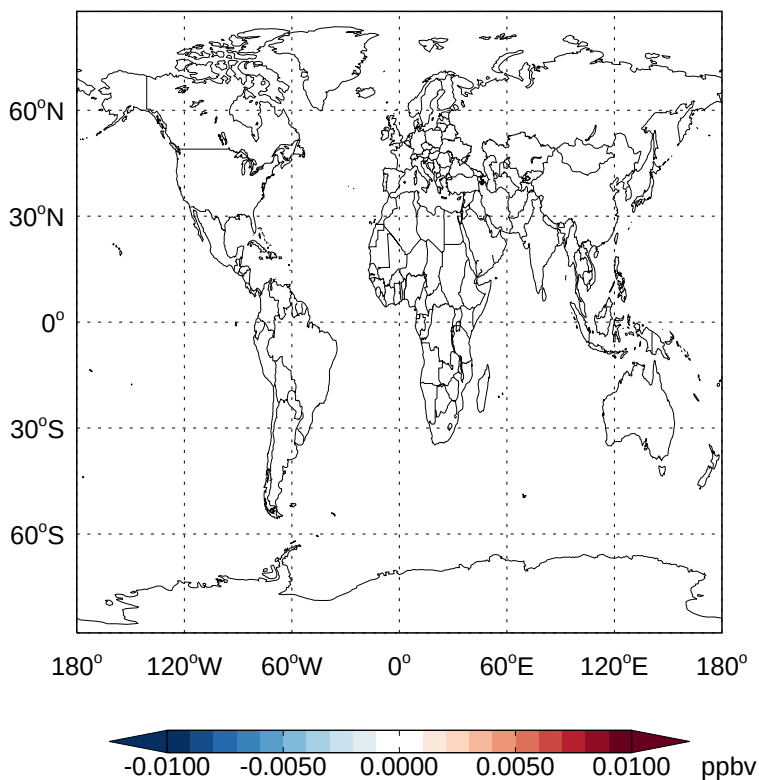
v11-02e-Run1 - v11-02e-Run0

CH<sub>3</sub>Br - Diff @ Surface for Jan



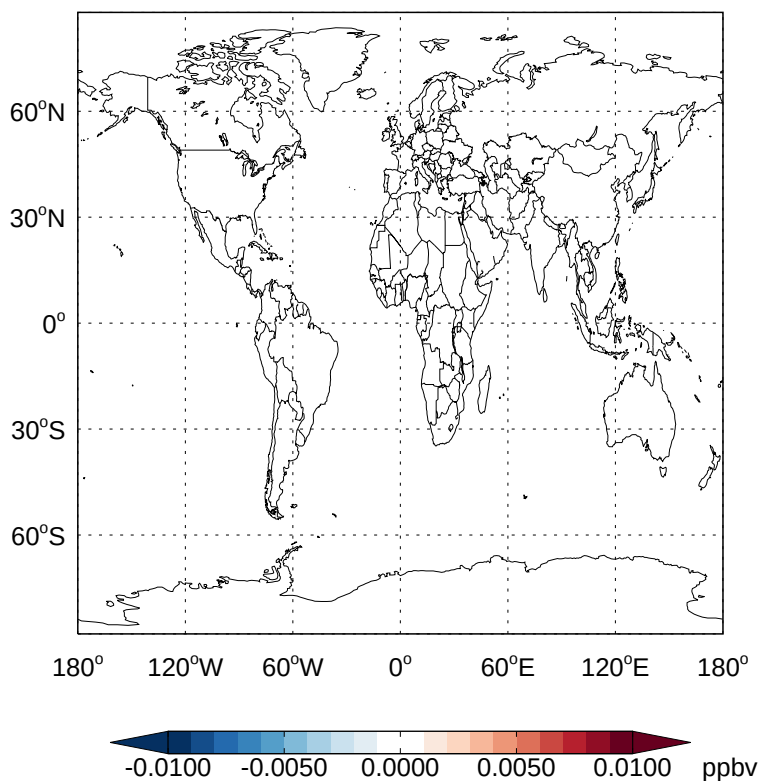
v11-02e-Run1 - v11-02e-Run0

CH<sub>3</sub>Br- Diff @ 500 hPa for Jan



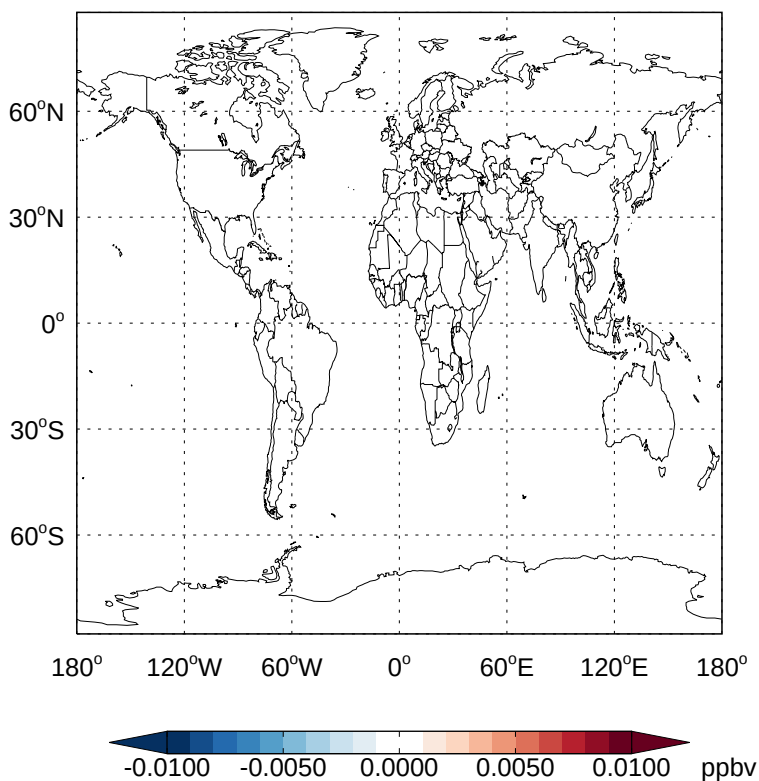
v11-02e-Run1 - v11-02d-Run1

CH<sub>3</sub>Br - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

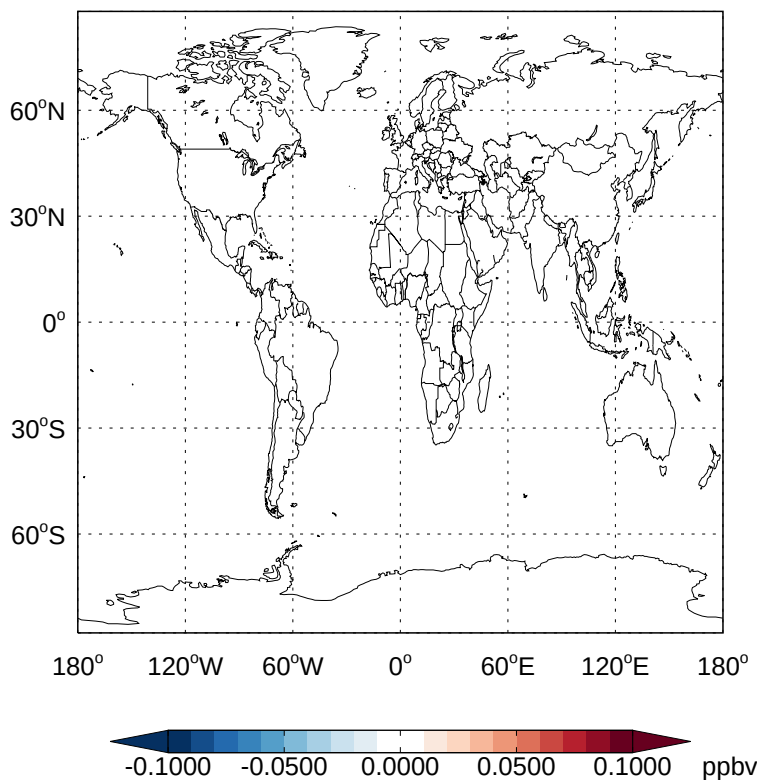
CH<sub>3</sub>Br- Diff @ 500 hPa for Jan



# GEOS-Chem Difference Maps at surface and 500 hPa

v11-02e-Run1 - v11-02e-Run0

MPN - Diff @ Surface for Jan



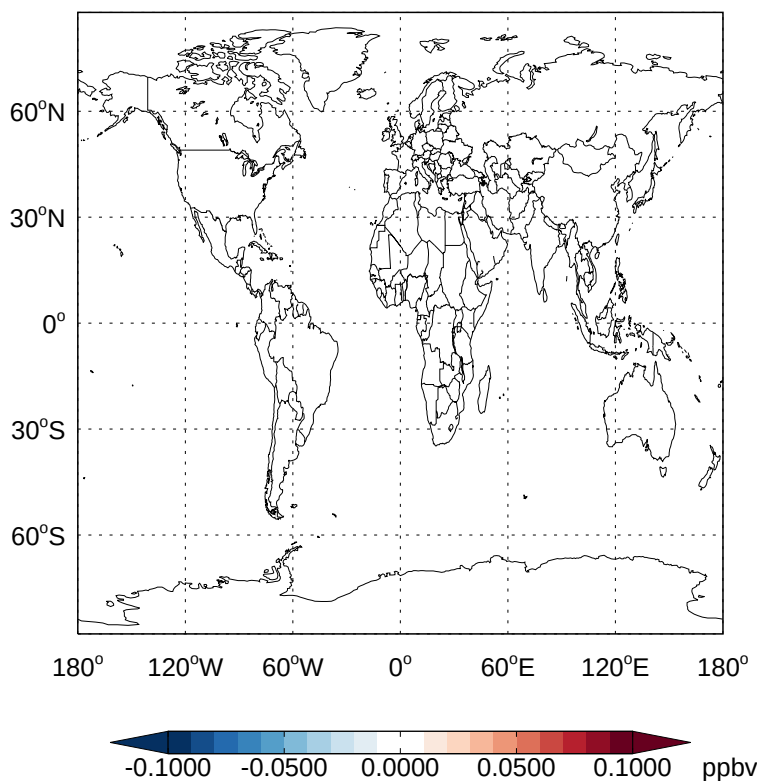
v11-02e-Run1 - v11-02e-Run0

MPN- Diff @ 500 hPa for Jan



v11-02e-Run1 - v11-02d-Run1

MPN - Diff @ Surface for Jan



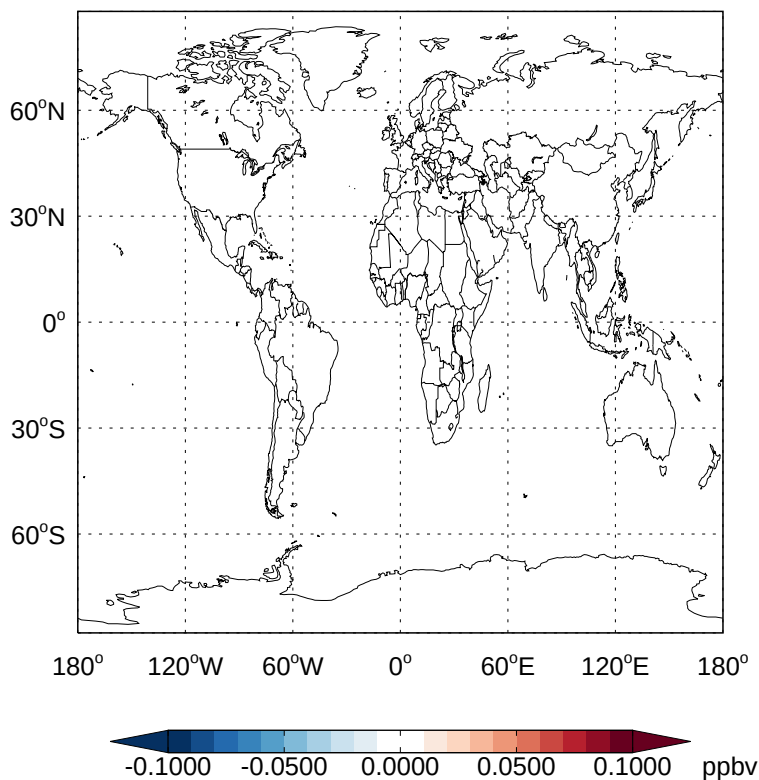
v11-02e-Run1 - v11-02d-Run1

MPN- Diff @ 500 hPa for Jan

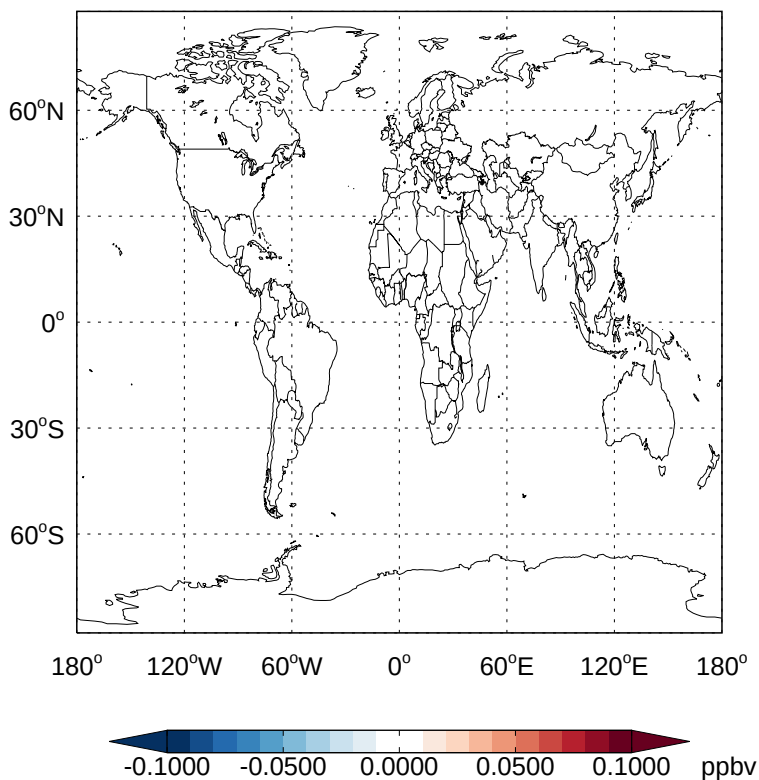


# GEOS-Chem Difference Maps at surface and 500 hPa

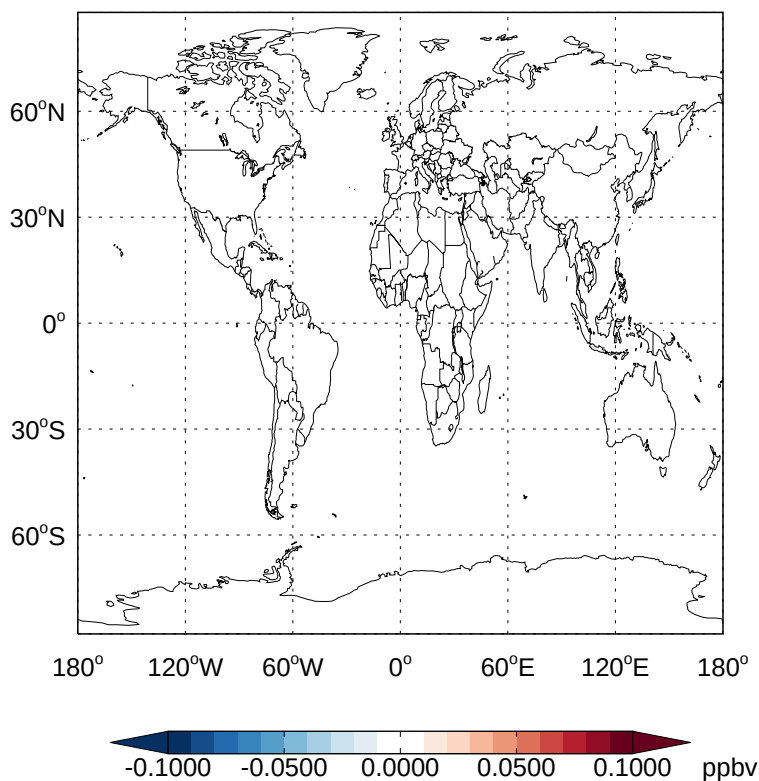
v11-02e-Run1 - v11-02e-Run0  
ISOPND - Diff @ Surface for Jan



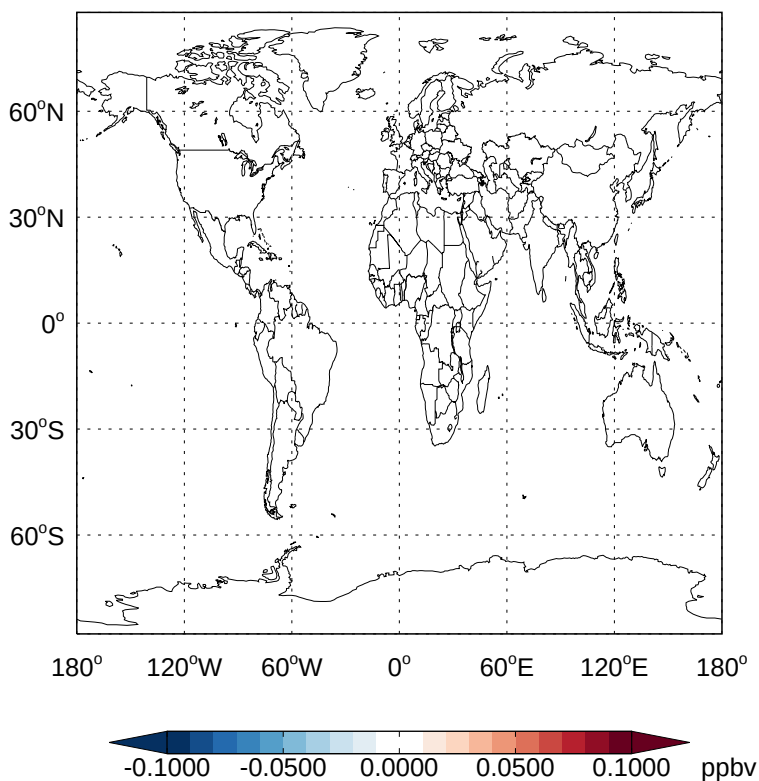
v11-02e-Run1 - v11-02e-Run0  
ISOPND- Diff @ 500 hPa for Jan



v11-02e-Run1 - v11-02d-Run1  
ISOPND - Diff @ Surface for Jan

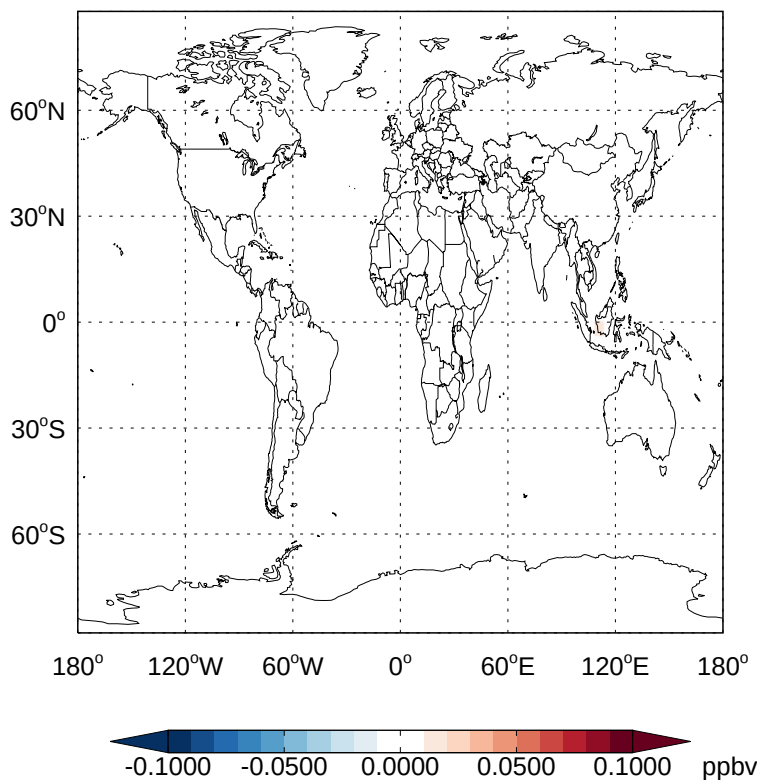


v11-02e-Run1 - v11-02d-Run1  
ISOPND- Diff @ 500 hPa for Jan

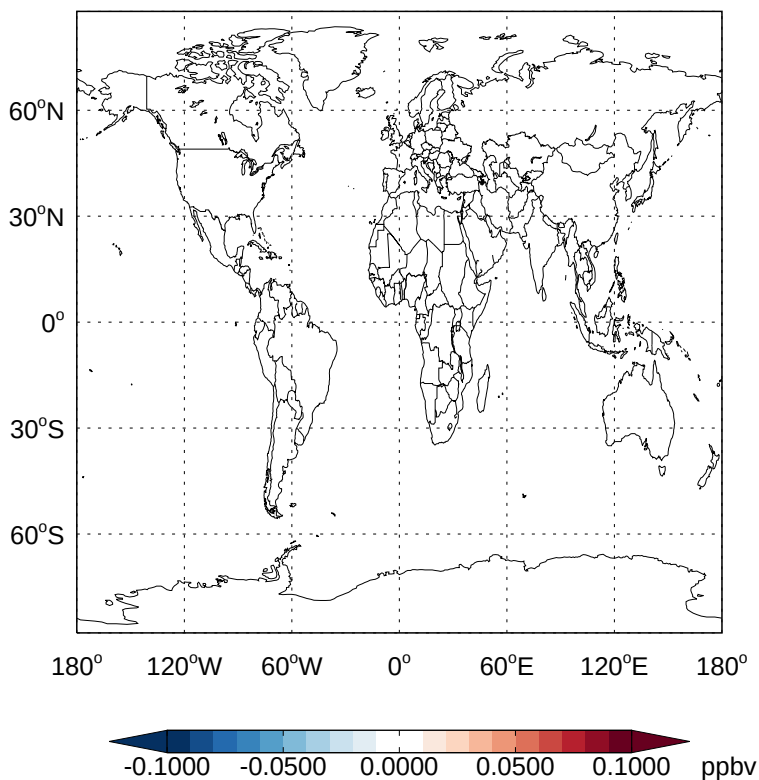


# GEOS-Chem Difference Maps at surface and 500 hPa

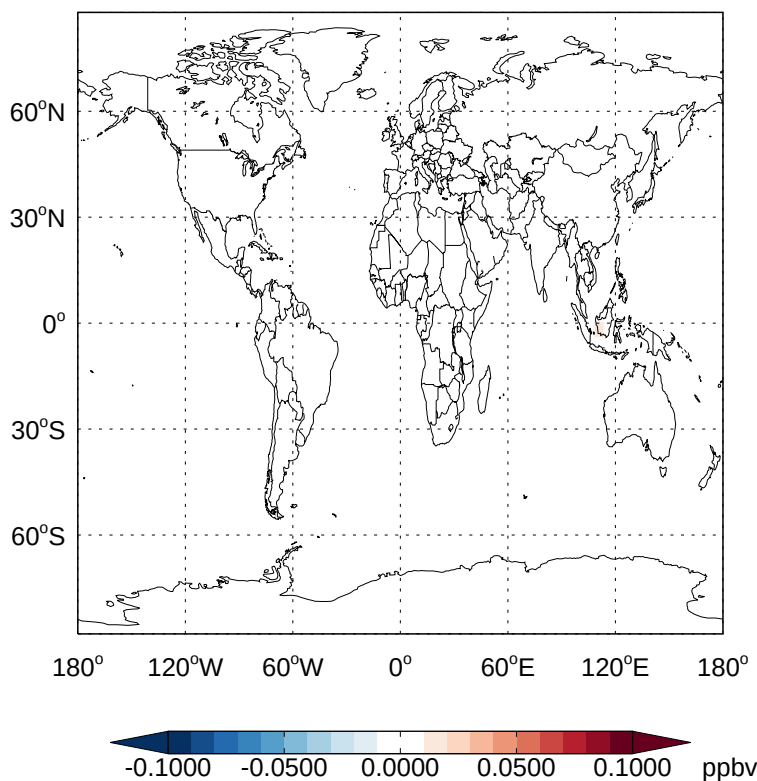
v11-02e-Run1 - v11-02e-Run0  
ISOPNB - Diff @ Surface for Jan



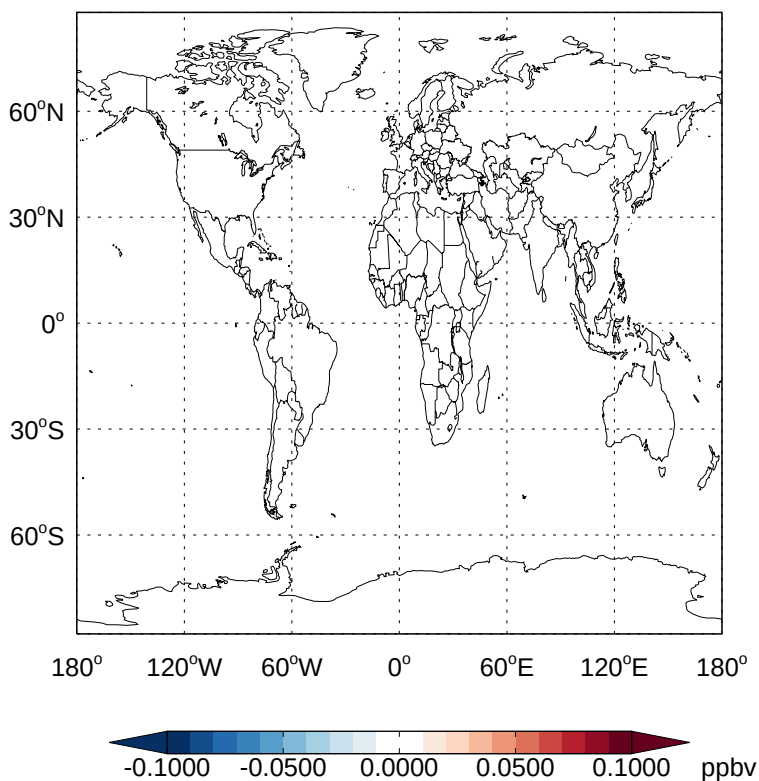
v11-02e-Run1 - v11-02e-Run0  
ISOPNB- Diff @ 500 hPa for Jan



v11-02e-Run1 - v11-02d-Run1  
ISOPNB - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1  
ISOPNB- Diff @ 500 hPa for Jan

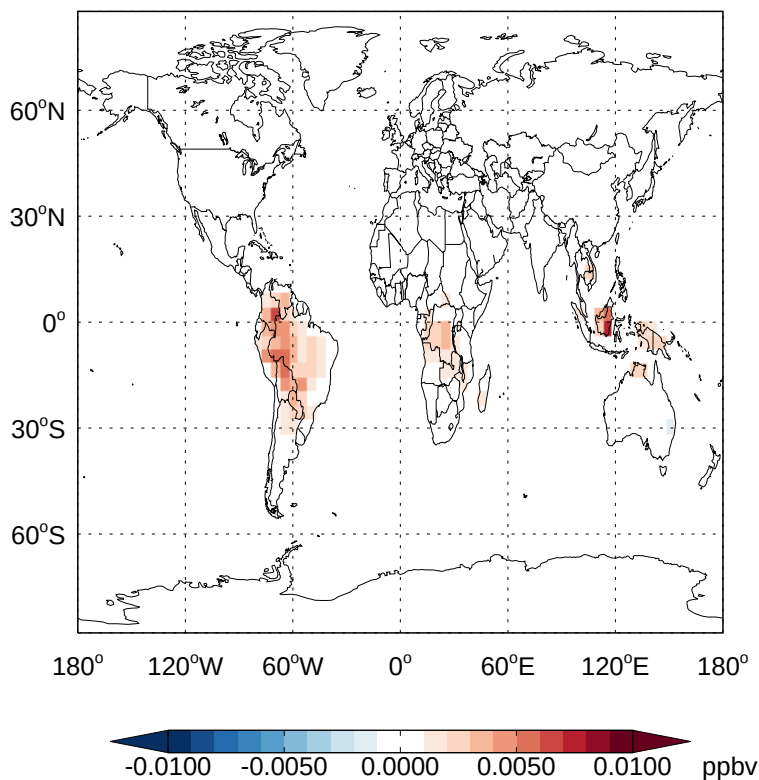




# GEOS-Chem Difference Maps at surface and 500 hPa

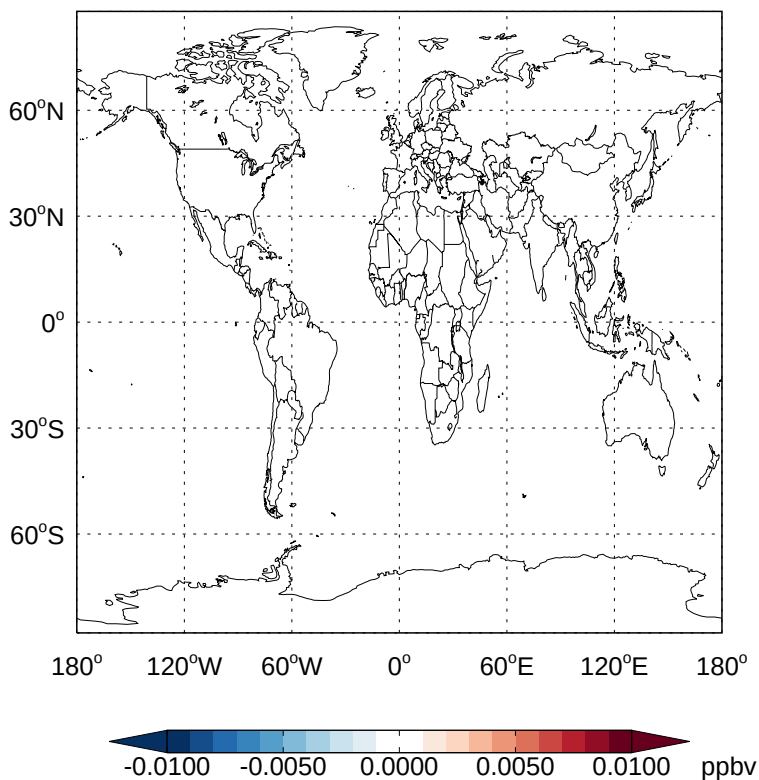
v11-02e-Run1 - v11-02e-Run0

MOBA - Diff @ Surface for Jan



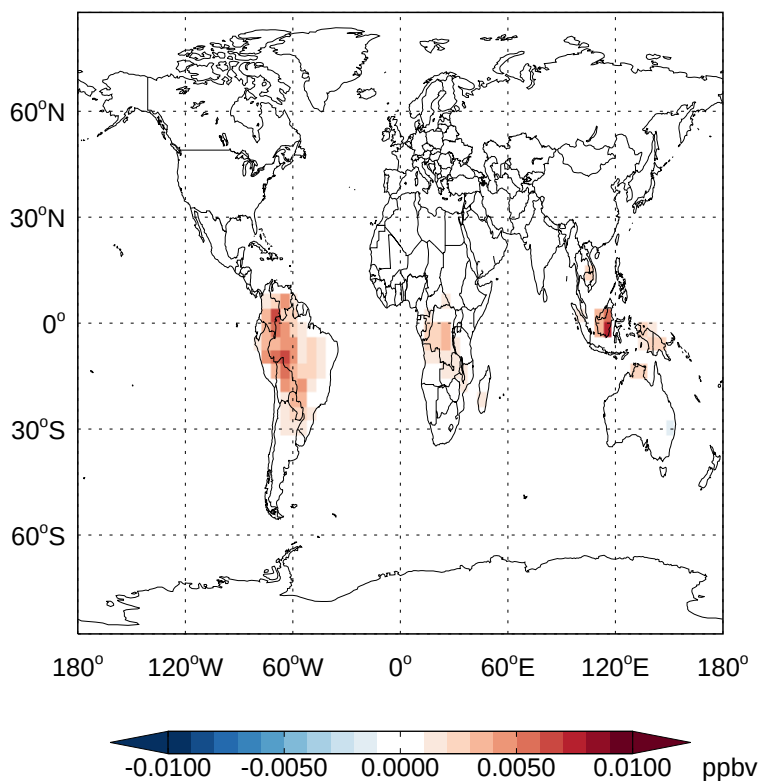
v11-02e-Run1 - v11-02e-Run0

MOBA- Diff @ 500 hPa for Jan



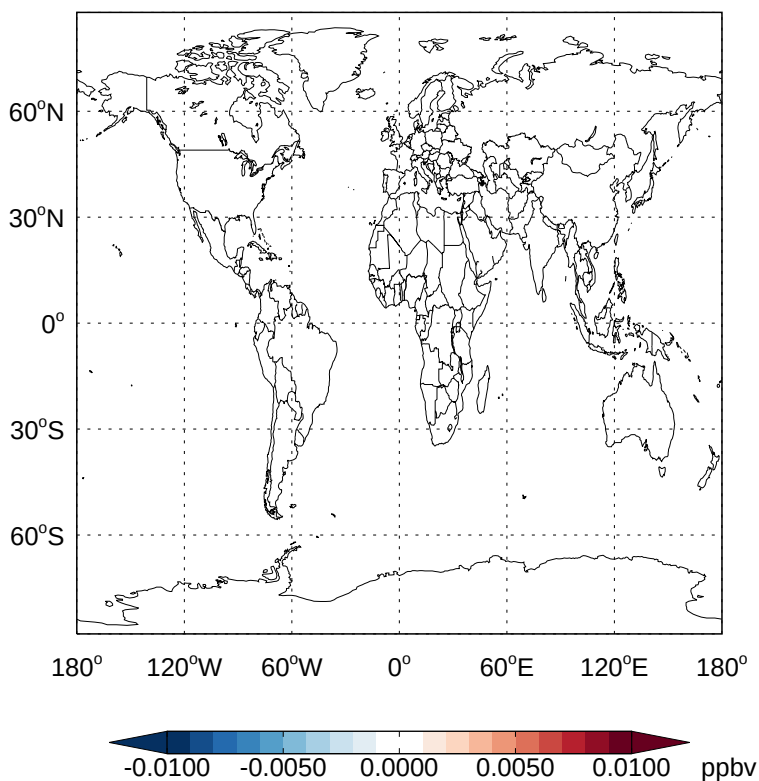
v11-02e-Run1 - v11-02d-Run1

MOBA - Diff @ Surface for Jan



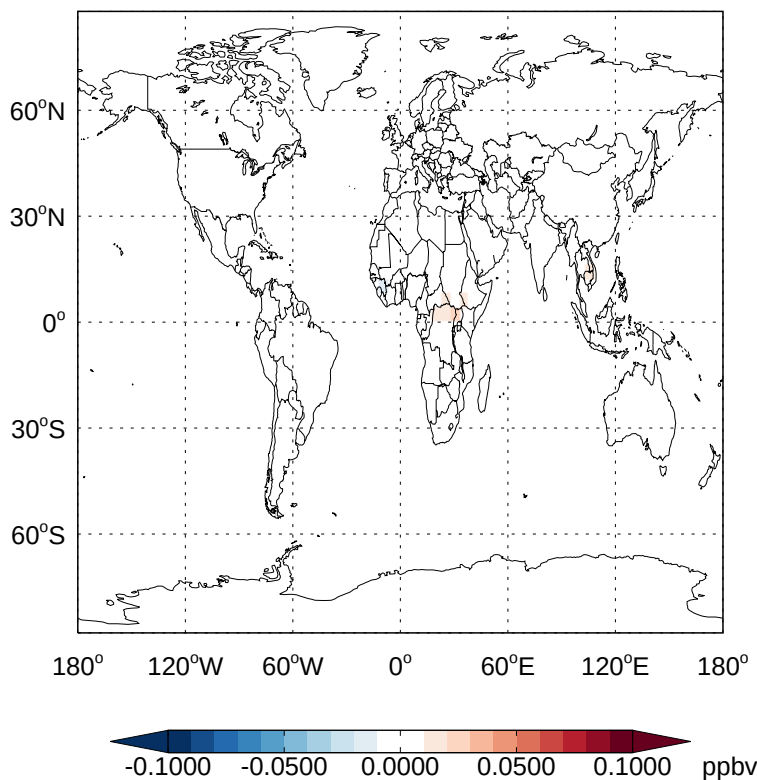
v11-02e-Run1 - v11-02d-Run1

MOBA- Diff @ 500 hPa for Jan

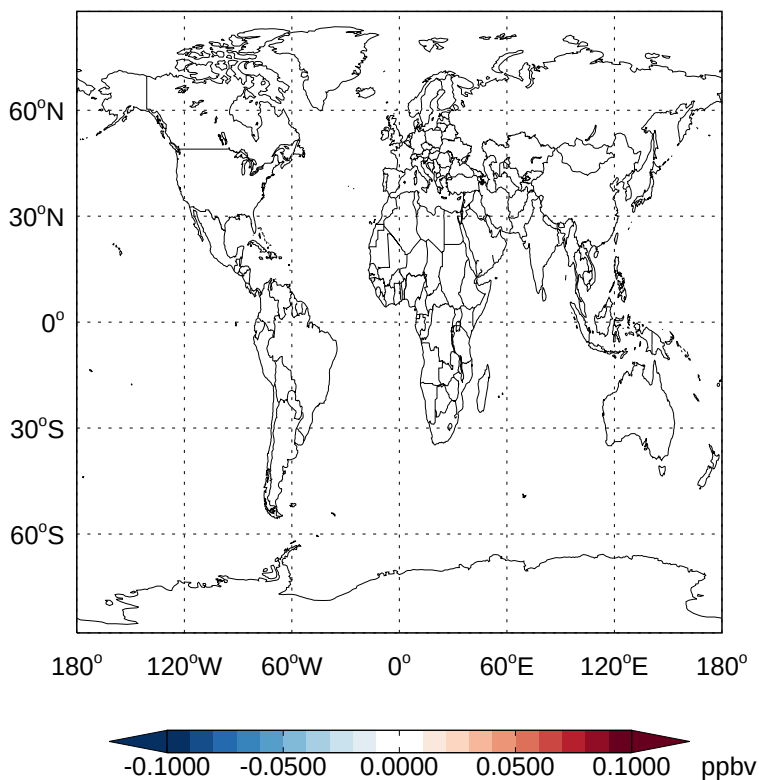


# GEOS-Chem Difference Maps at surface and 500 hPa

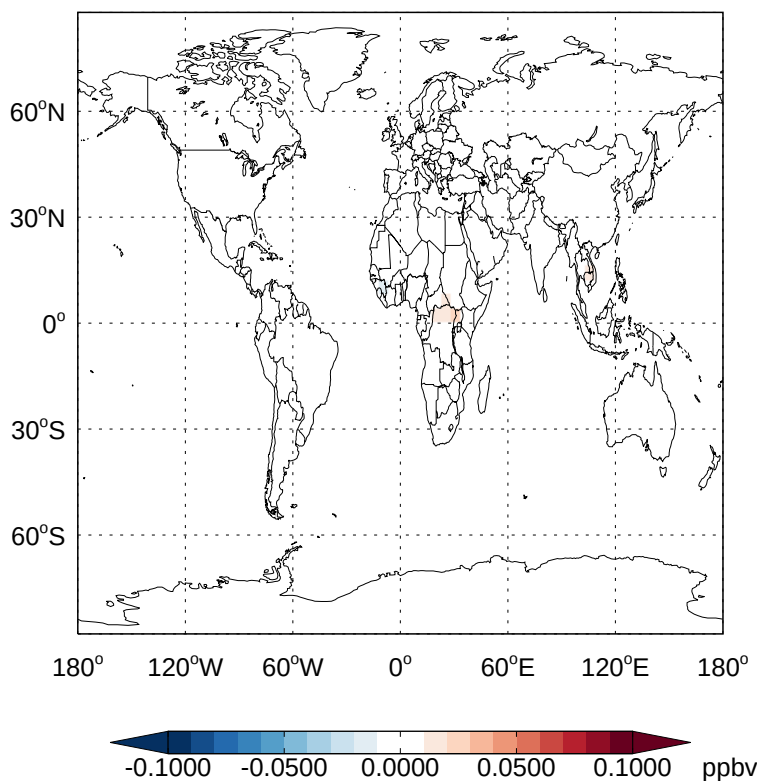
v11-02e-Run1 - v11-02e-Run0  
PROPNN - Diff @ Surface for Jan



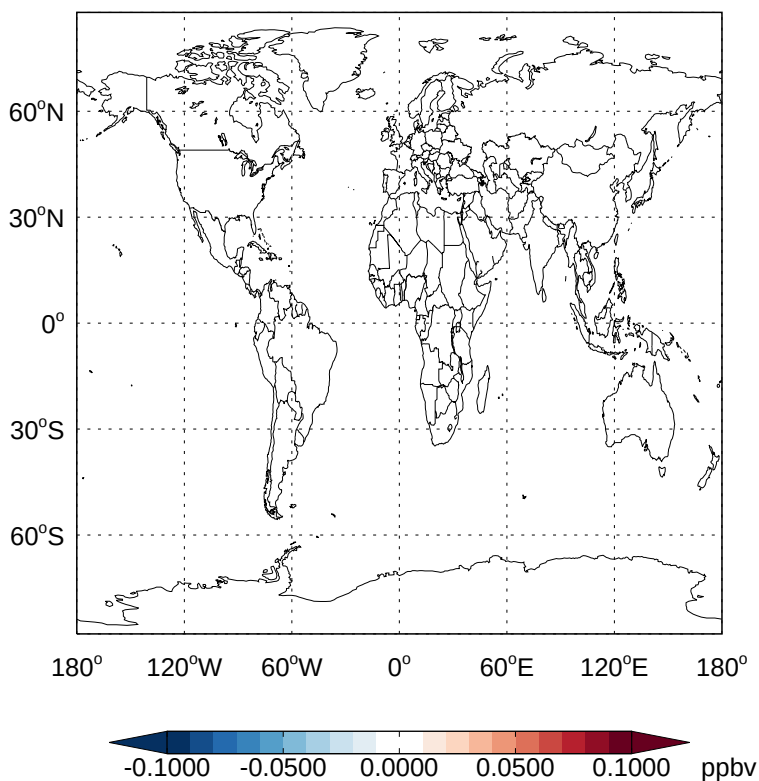
v11-02e-Run1 - v11-02e-Run0  
PROPNN- Diff @ 500 hPa for Jan



v11-02e-Run1 - v11-02d-Run1  
PROPNN - Diff @ Surface for Jan



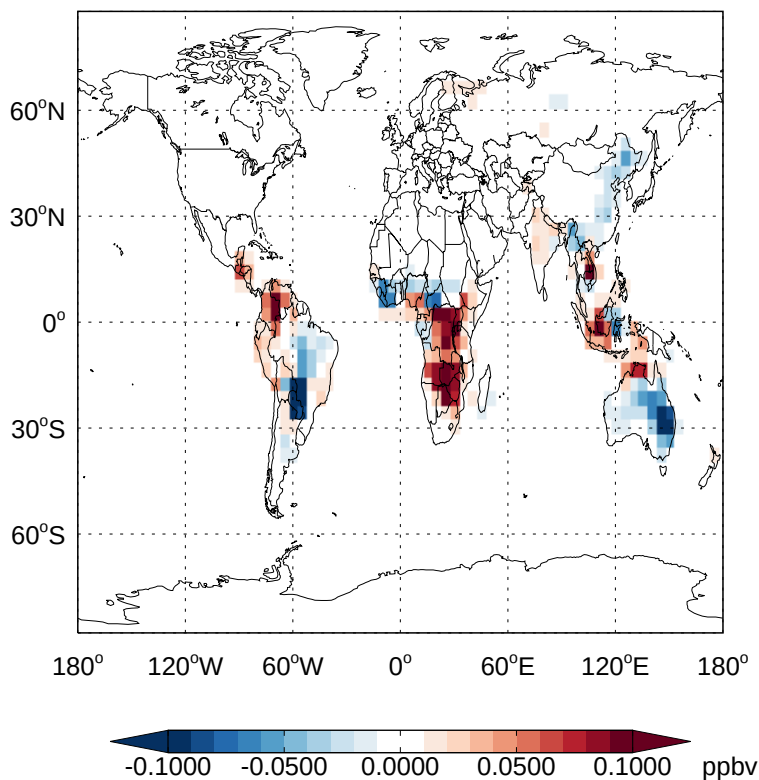
v11-02e-Run1 - v11-02d-Run1  
PROPNN- Diff @ 500 hPa for Jan



# GEOS-Chem Difference Maps at surface and 500 hPa

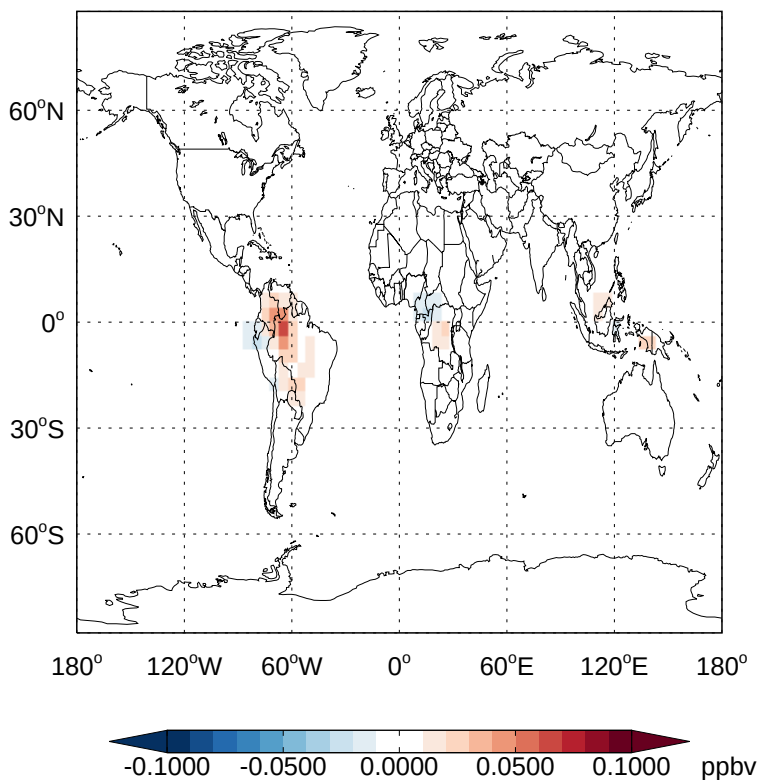
v11-02e-Run1 - v11-02e-Run0

HAC - Diff @ Surface for Jan



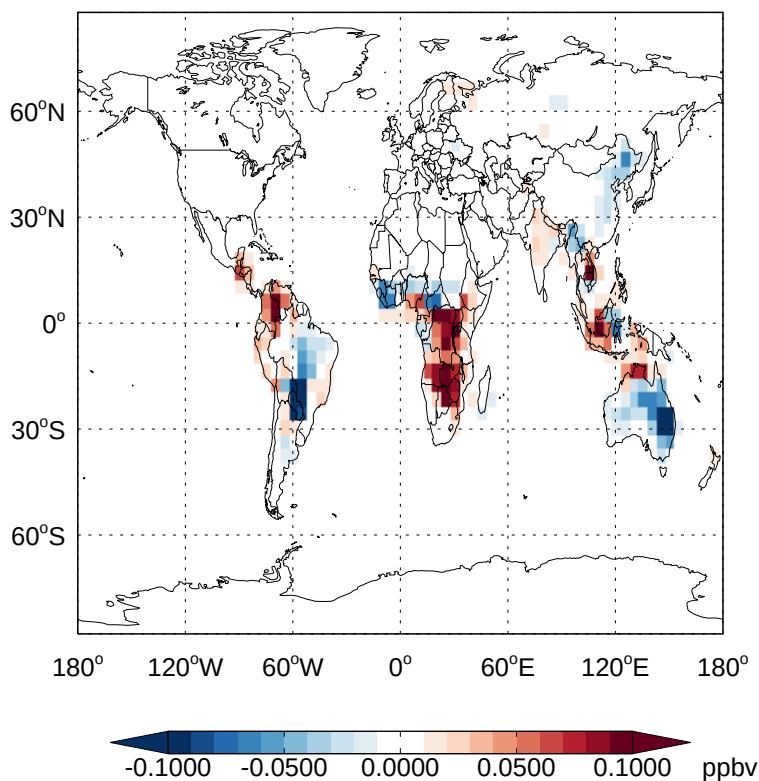
v11-02e-Run1 - v11-02e-Run0

HAC - Diff @ 500 hPa for Jan



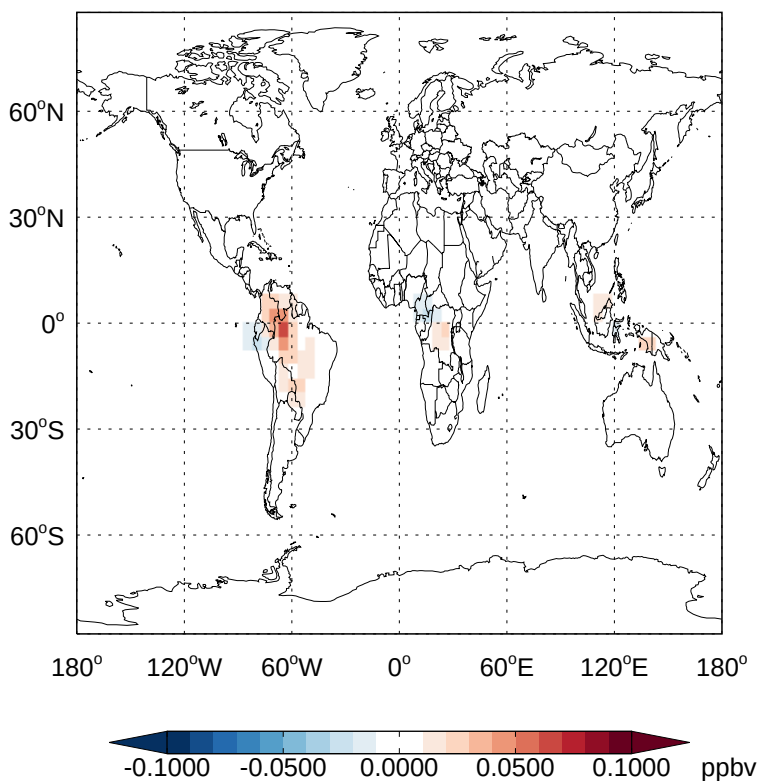
v11-02e-Run1 - v11-02d-Run1

HAC - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

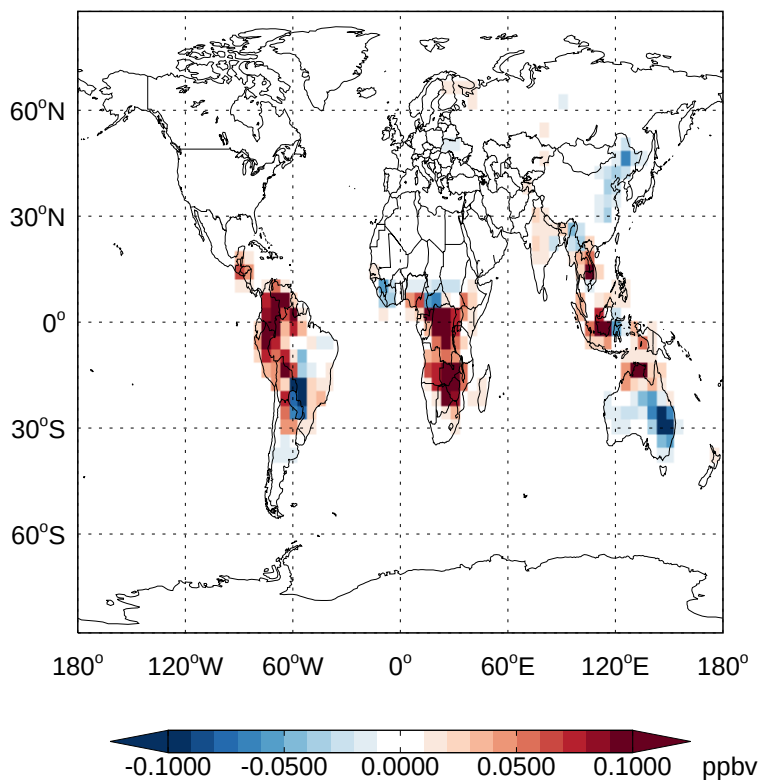
HAC - Diff @ 500 hPa for Jan



# GEOS-Chem Difference Maps at surface and 500 hPa

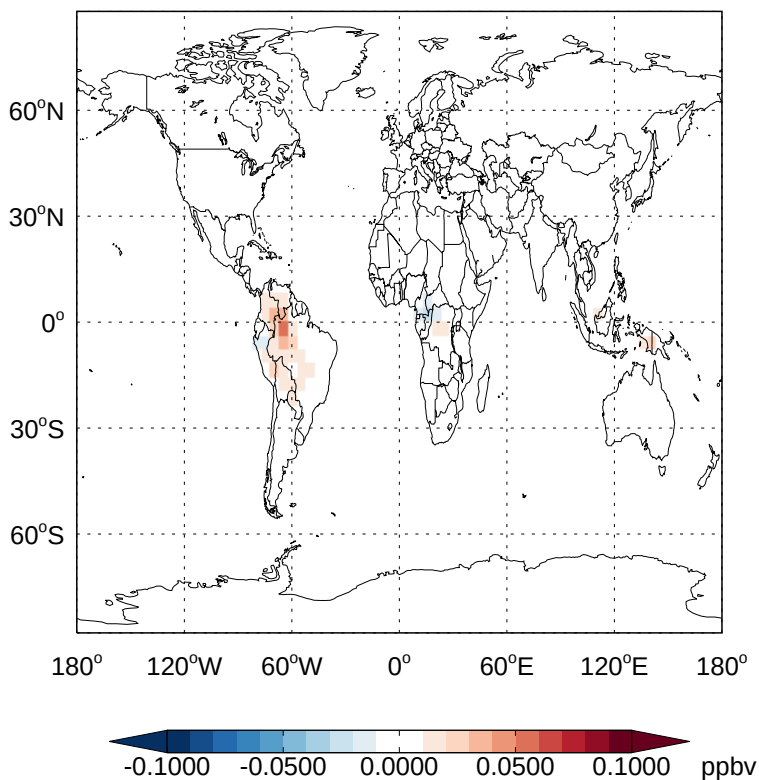
v11-02e-Run1 - v11-02e-Run0

GLYC - Diff @ Surface for Jan



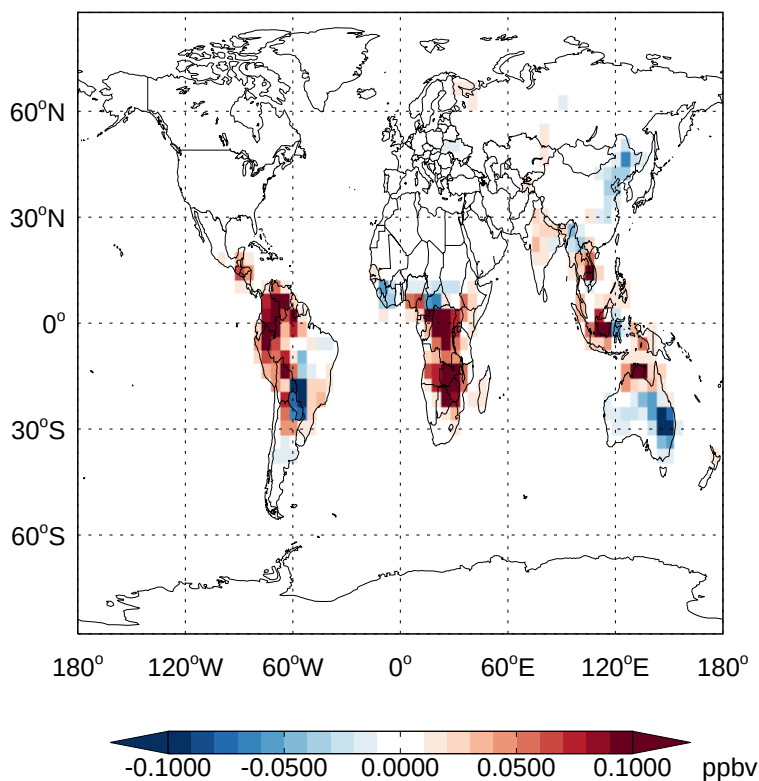
v11-02e-Run1 - v11-02e-Run0

GLYC- Diff @ 500 hPa for Jan



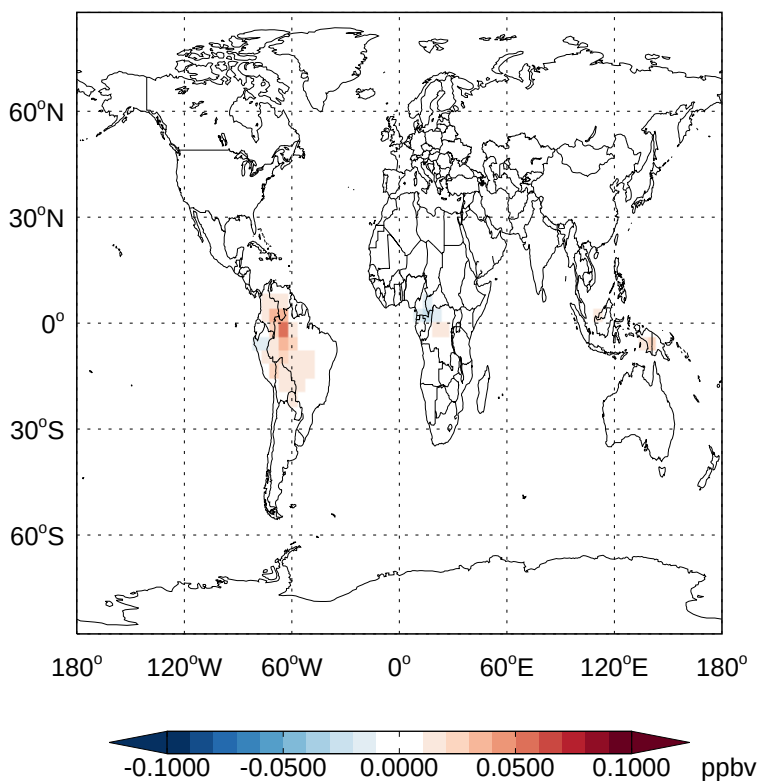
v11-02e-Run1 - v11-02d-Run1

GLYC - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

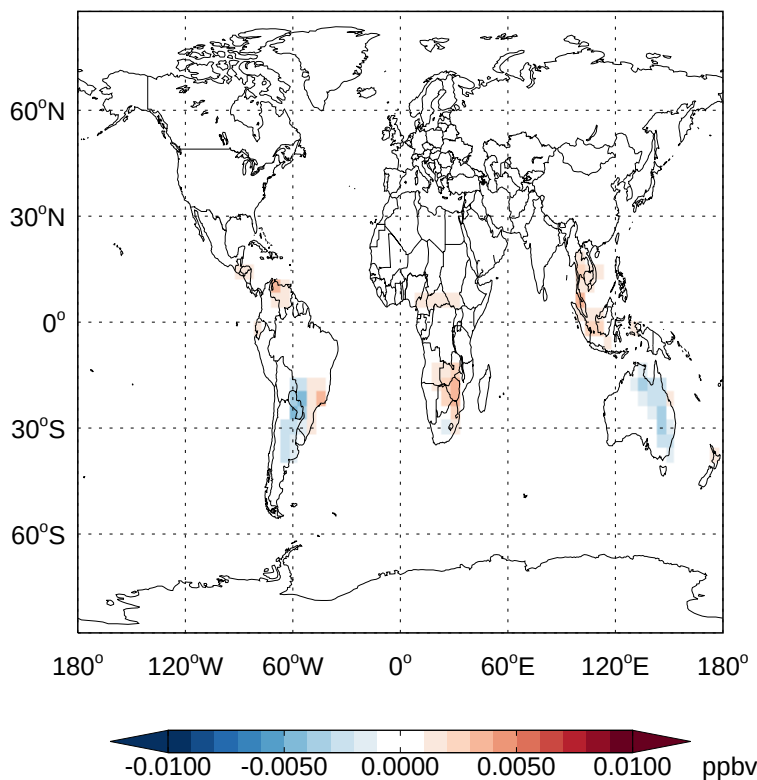
GLYC- Diff @ 500 hPa for Jan



# GEOS-Chem Difference Maps at surface and 500 hPa

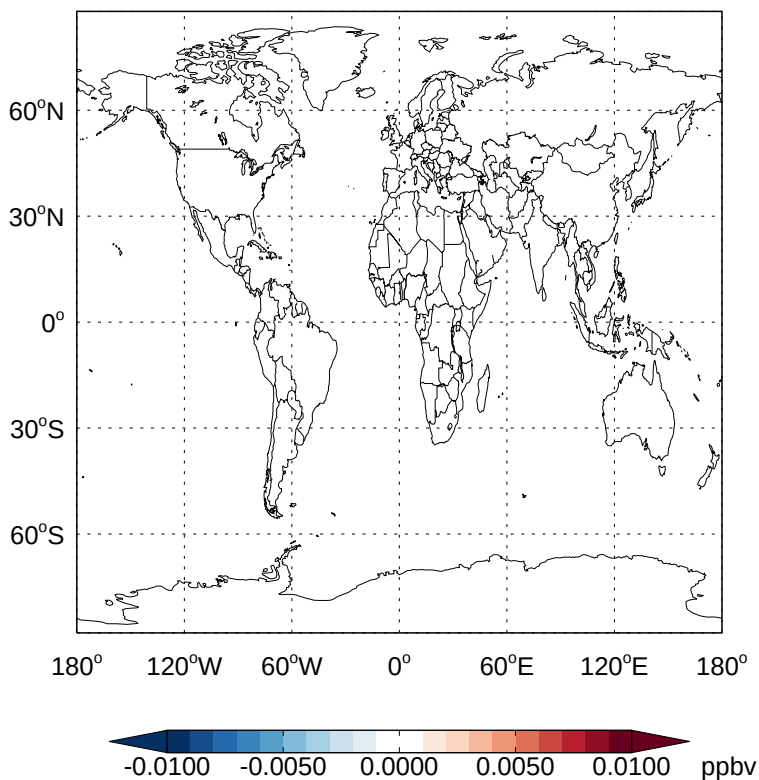
v11-02e-Run1 - v11-02e-Run0

MVKN - Diff @ Surface for Jan



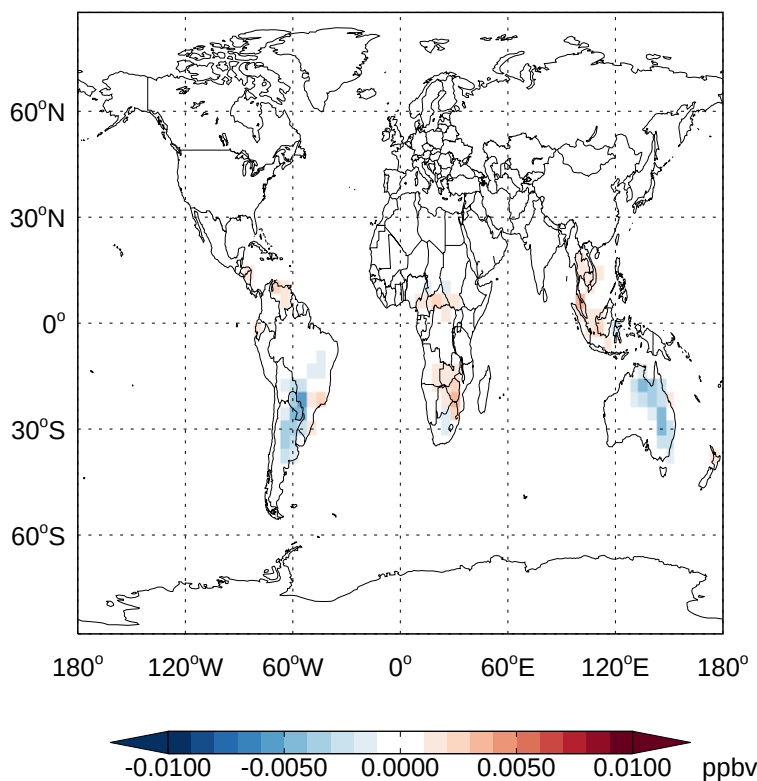
v11-02e-Run1 - v11-02e-Run0

MVKN- Diff @ 500 hPa for Jan



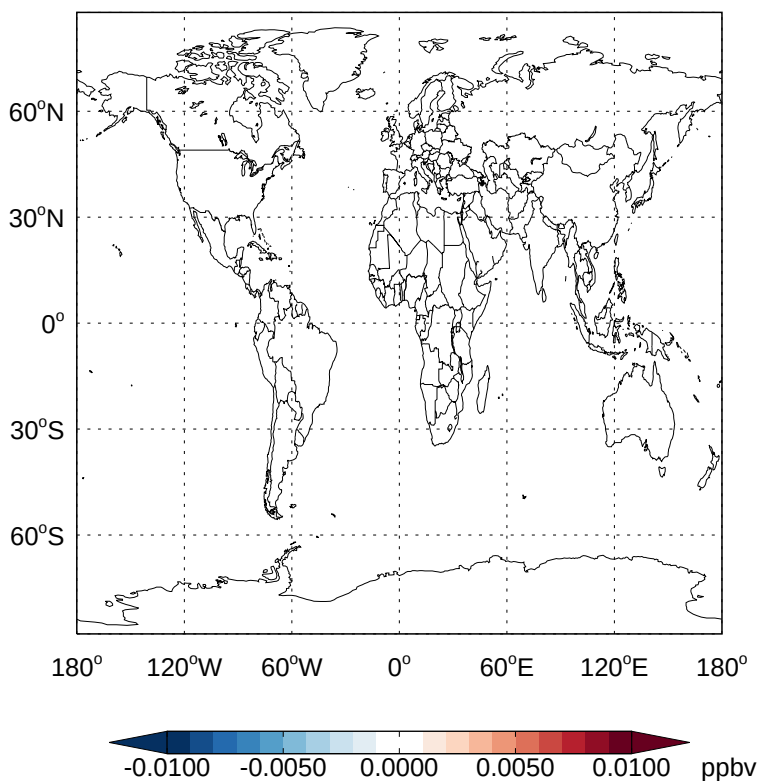
v11-02e-Run1 - v11-02d-Run1

MVKN - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

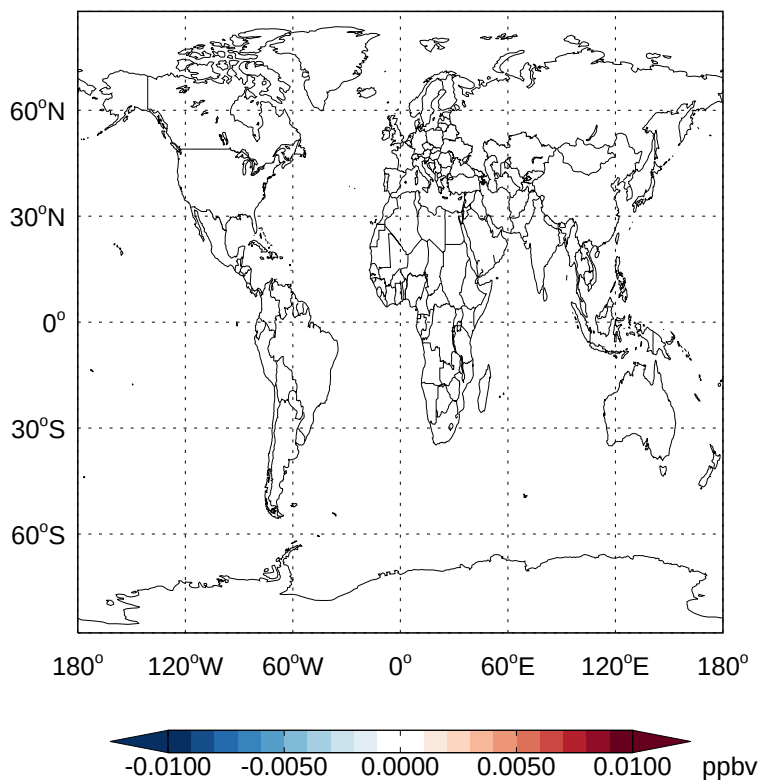
MVKN- Diff @ 500 hPa for Jan



# GEOS-Chem Difference Maps at surface and 500 hPa

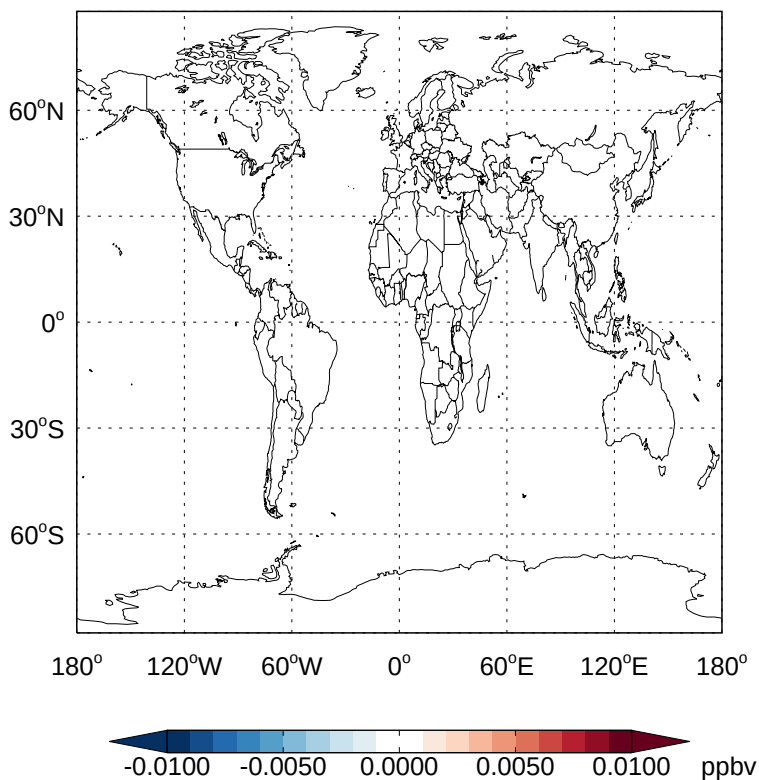
v11-02e-Run1 - v11-02e-Run0

MACRN - Diff @ Surface for Jan



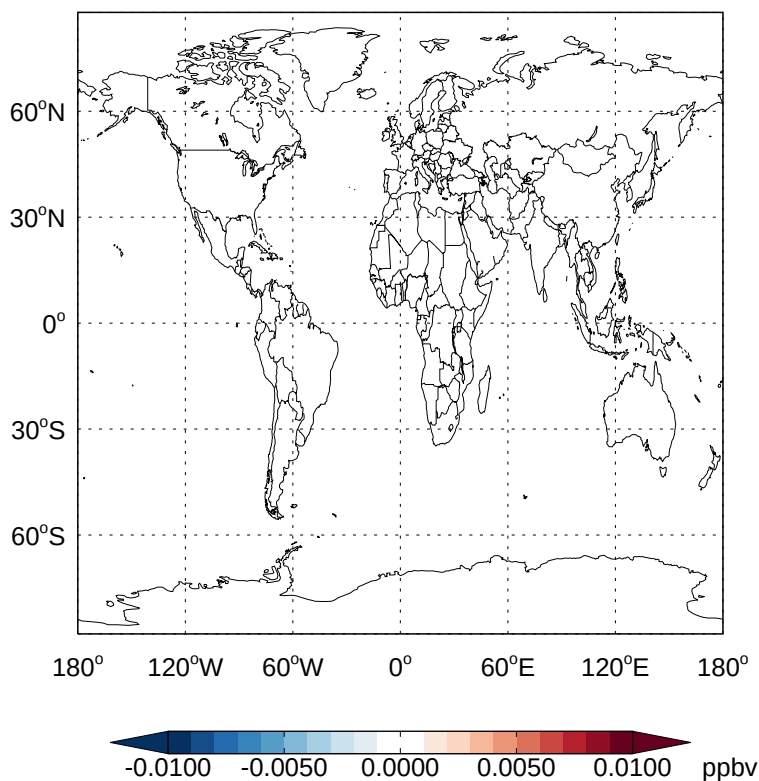
v11-02e-Run1 - v11-02e-Run0

MACRN- Diff @ 500 hPa for Jan



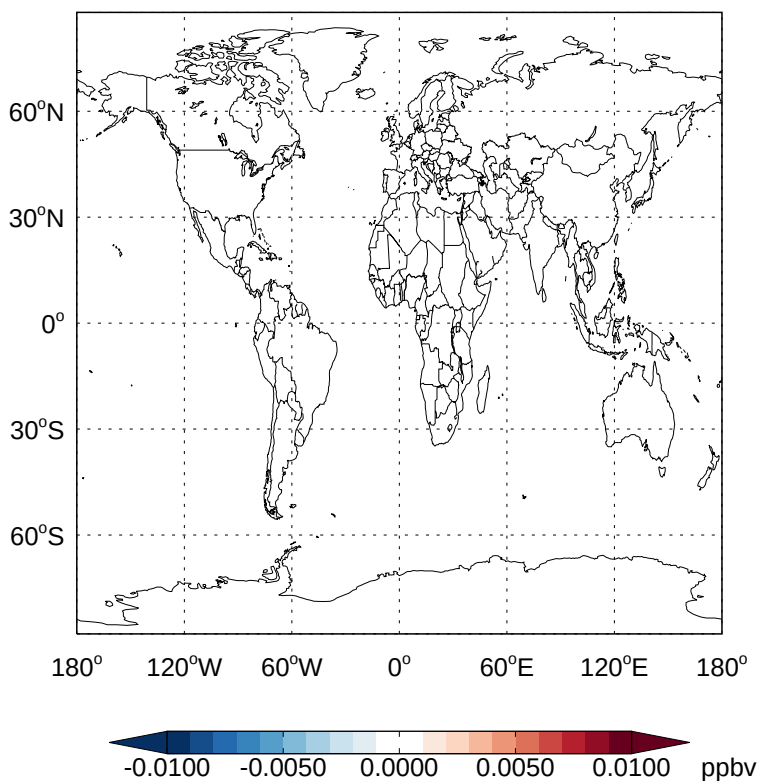
v11-02e-Run1 - v11-02d-Run1

MACRN - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

MACRN- Diff @ 500 hPa for Jan

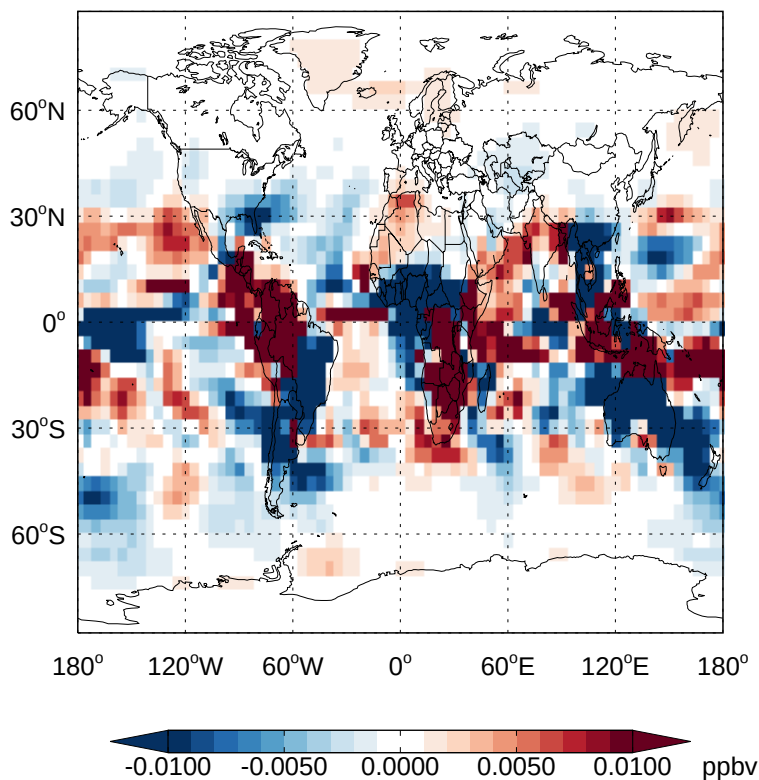




# GEOS-Chem Difference Maps at surface and 500 hPa

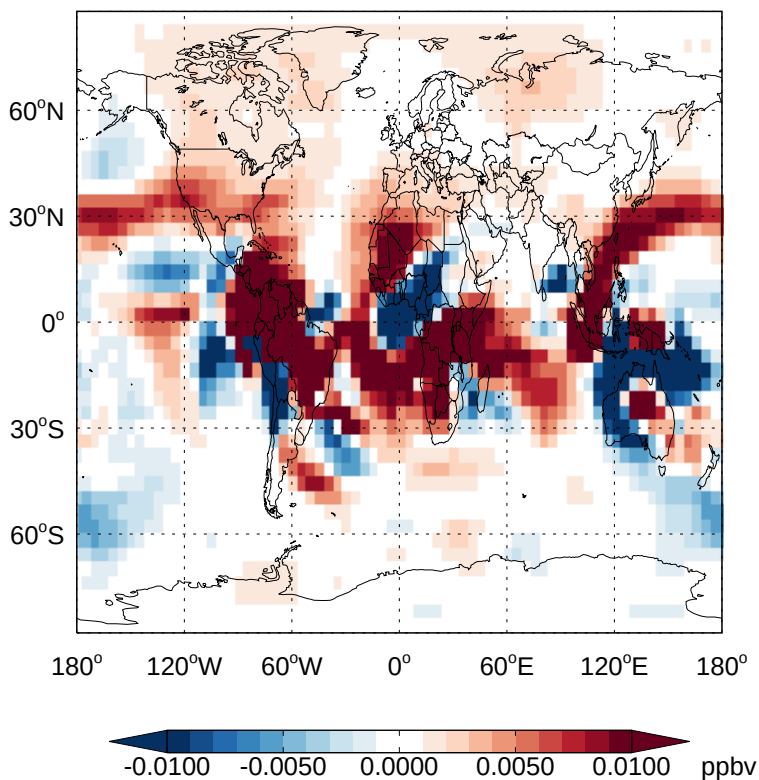
v11-02e-Run1 - v11-02e-Run0

MAP - Diff @ Surface for Jan



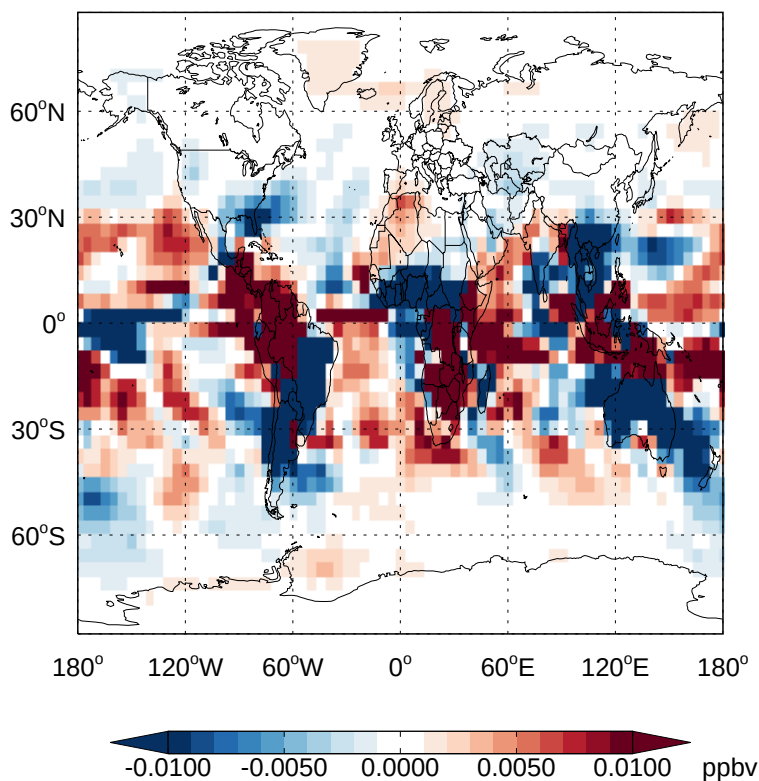
v11-02e-Run1 - v11-02e-Run0

MAP- Diff @ 500 hPa for Jan



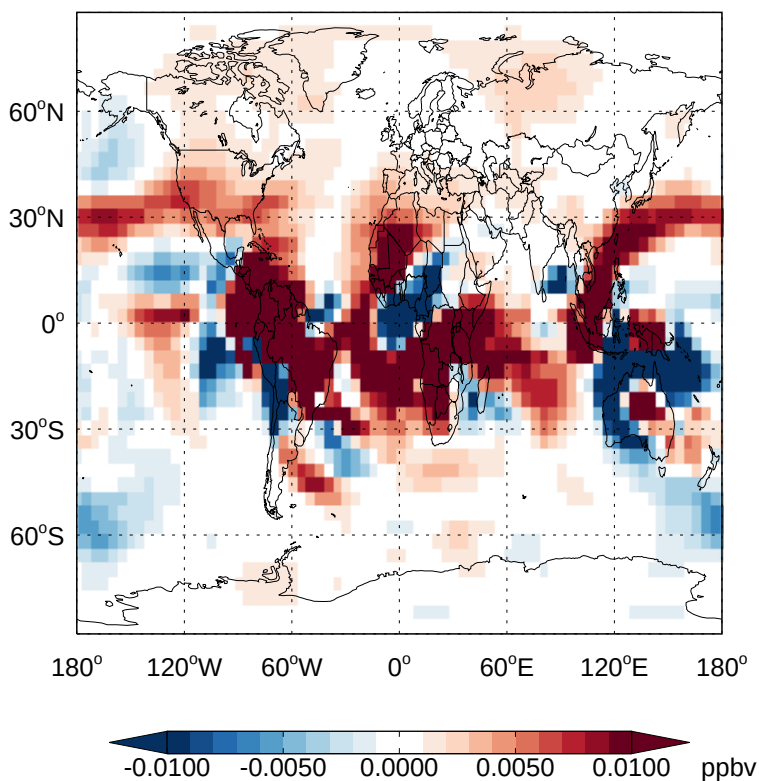
v11-02e-Run1 - v11-02d-Run1

MAP - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

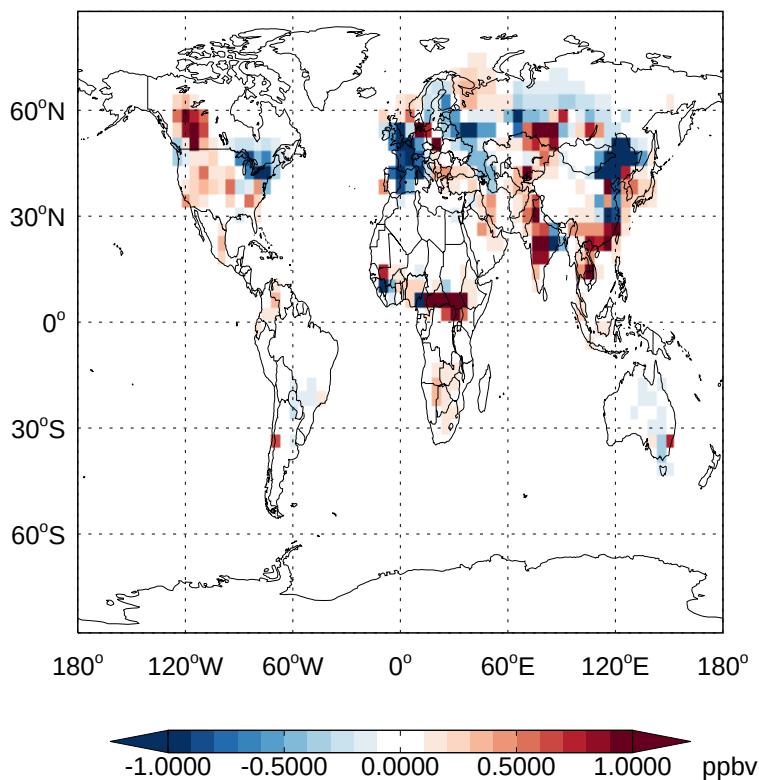
MAP- Diff @ 500 hPa for Jan



# GEOS-Chem Difference Maps at surface and 500 hPa

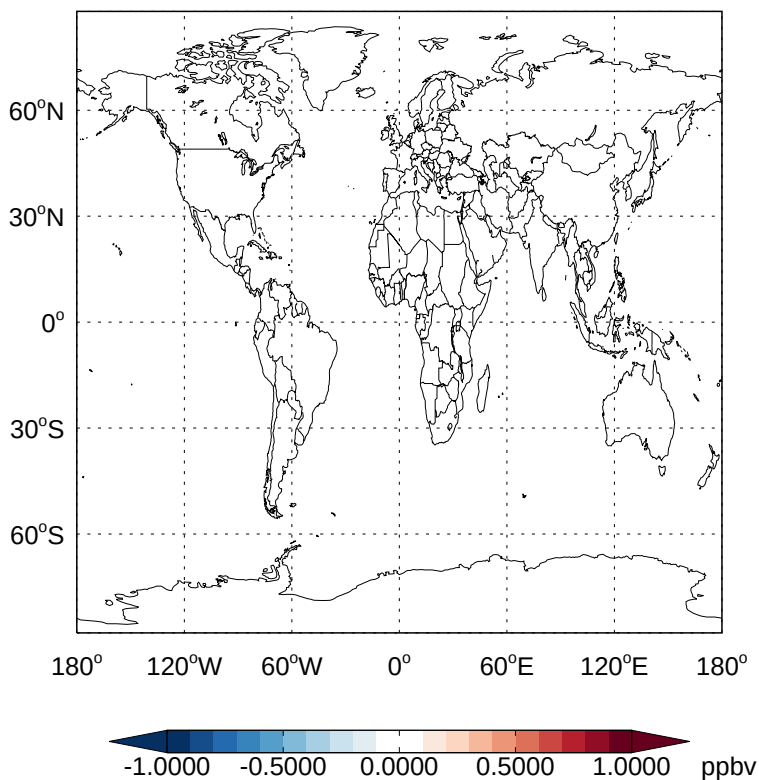
v11-02e-Run1 - v11-02e-Run0

NO<sub>2</sub> - Diff @ Surface for Jan



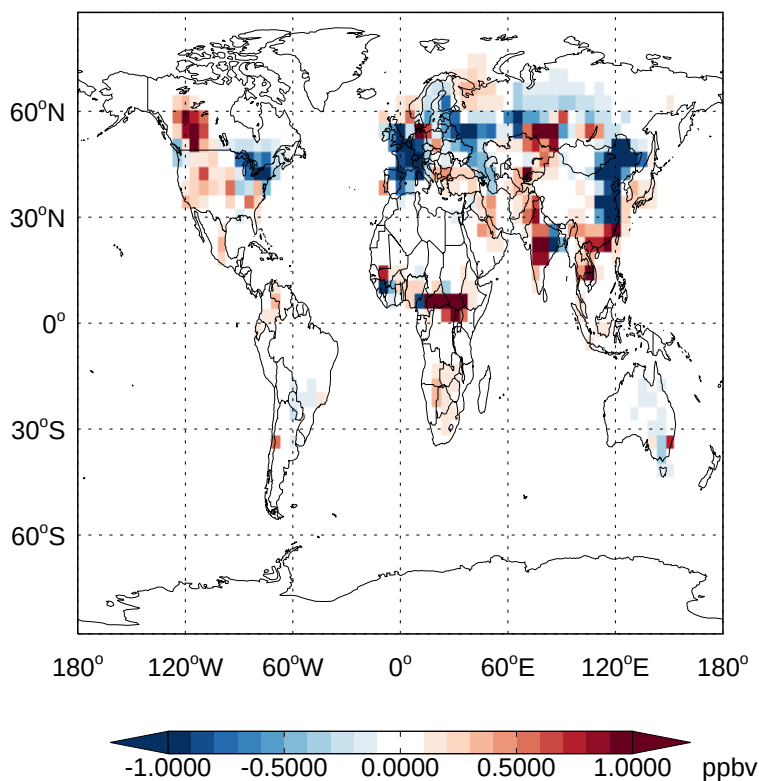
v11-02e-Run1 - v11-02e-Run0

NO<sub>2</sub>- Diff @ 500 hPa for Jan



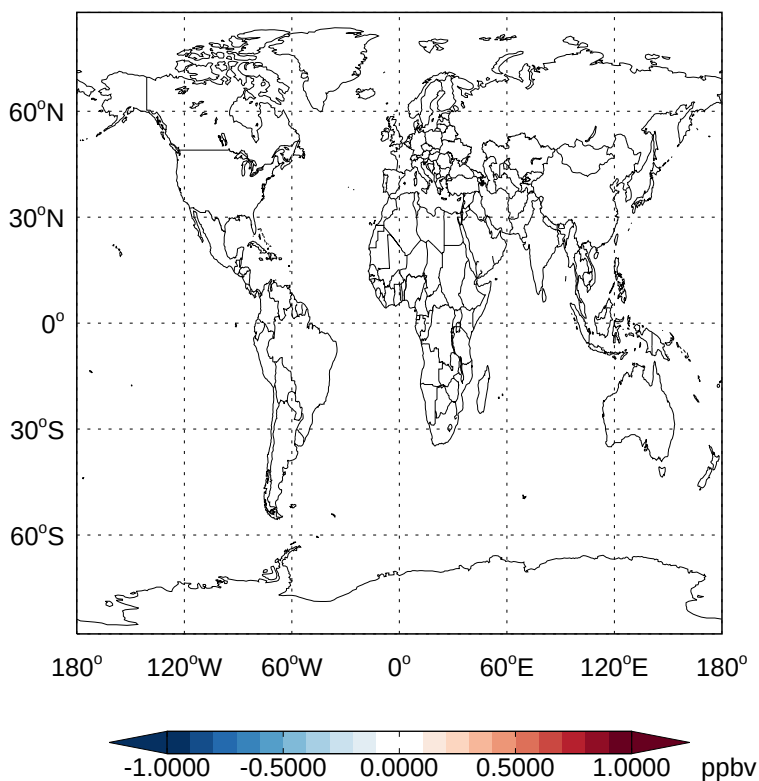
v11-02e-Run1 - v11-02d-Run1

NO<sub>2</sub> - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

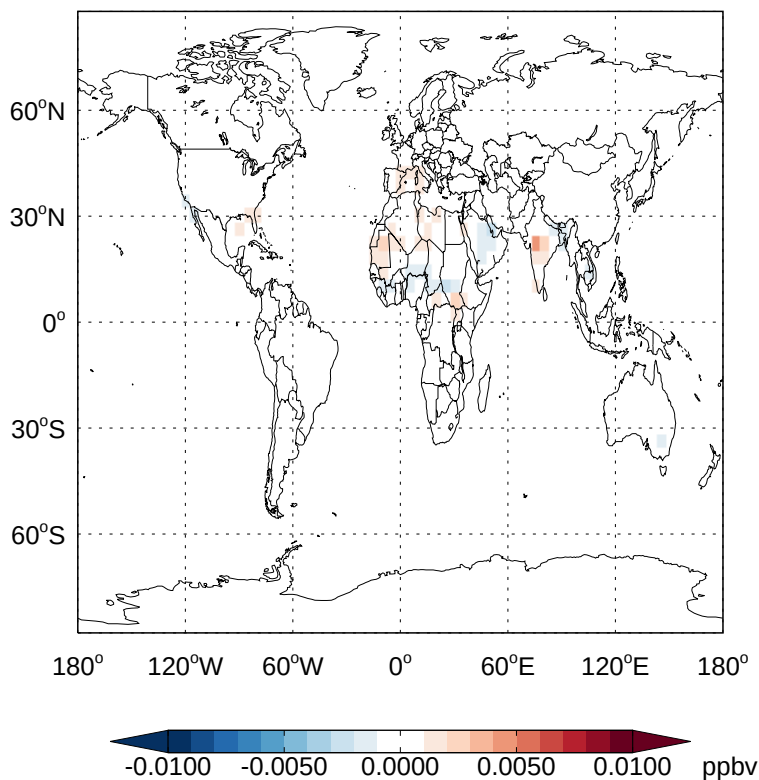
NO<sub>2</sub>- Diff @ 500 hPa for Jan



# GEOS-Chem Difference Maps at surface and 500 hPa

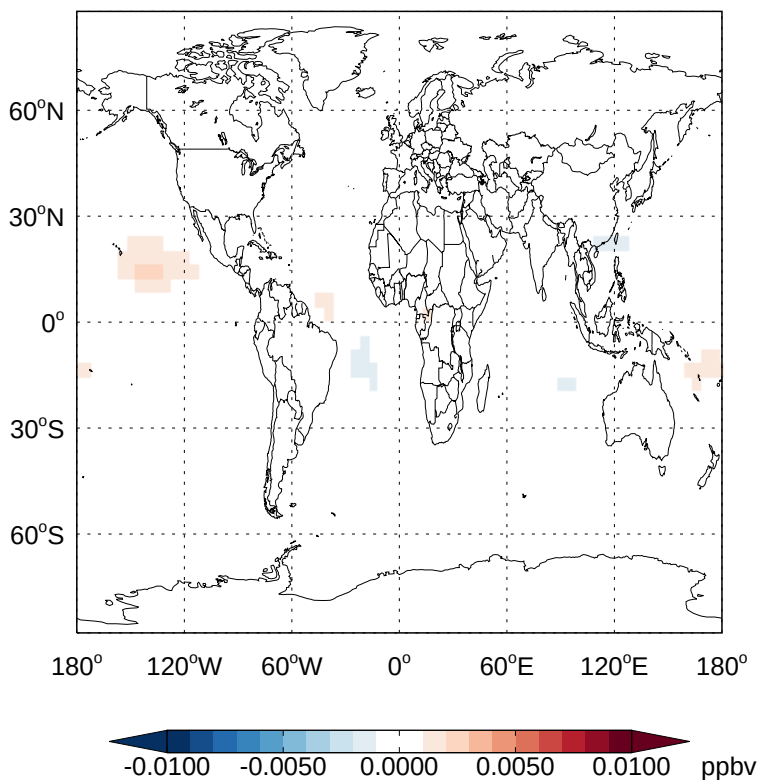
v11-02e-Run1 - v11-02e-Run0

NO<sub>3</sub> - Diff @ Surface for Jan



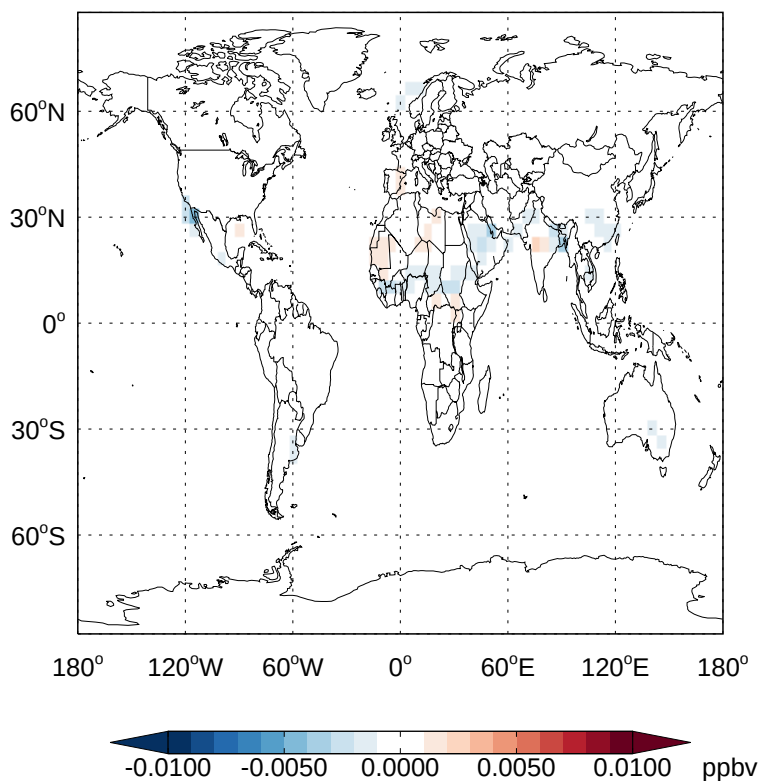
v11-02e-Run1 - v11-02e-Run0

NO<sub>3</sub>- Diff @ 500 hPa for Jan



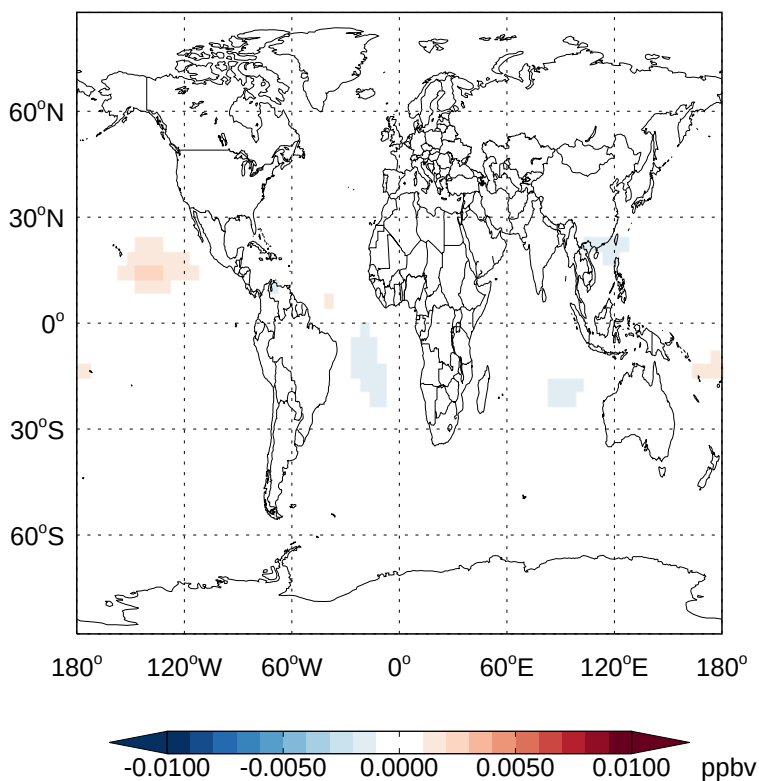
v11-02e-Run1 - v11-02d-Run1

NO<sub>3</sub> - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

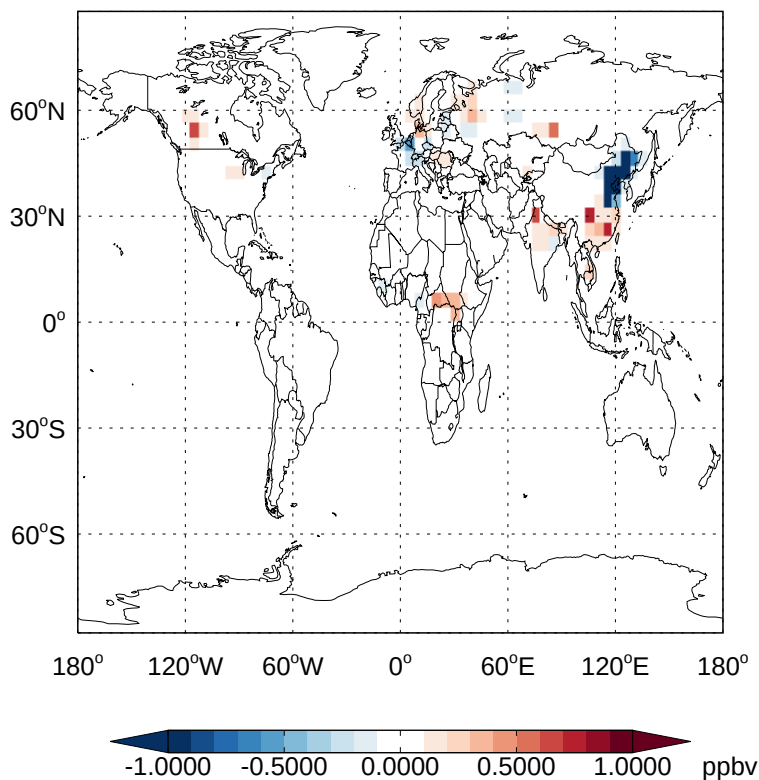
NO<sub>3</sub>- Diff @ 500 hPa for Jan



# GEOS-Chem Difference Maps at surface and 500 hPa

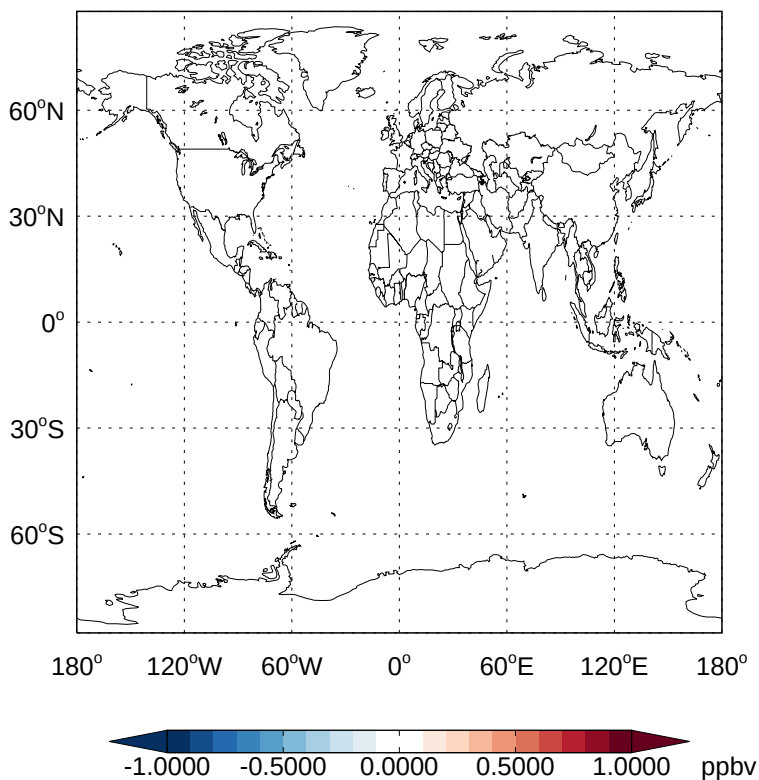
v11-02e-Run1 - v11-02e-Run0

HNO<sub>2</sub> - Diff @ Surface for Jan



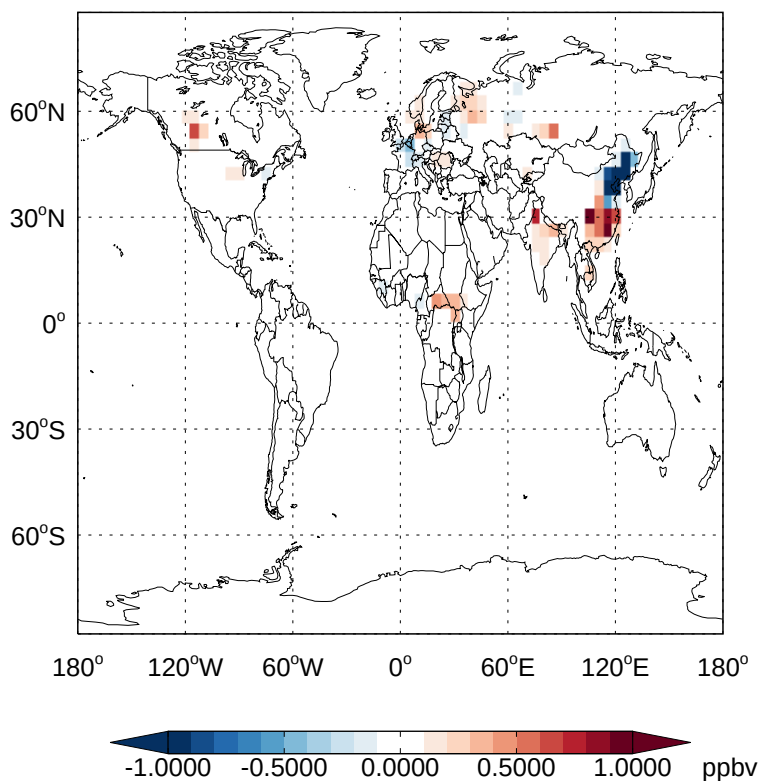
v11-02e-Run1 - v11-02e-Run0

HNO<sub>2</sub> - Diff @ 500 hPa for Jan



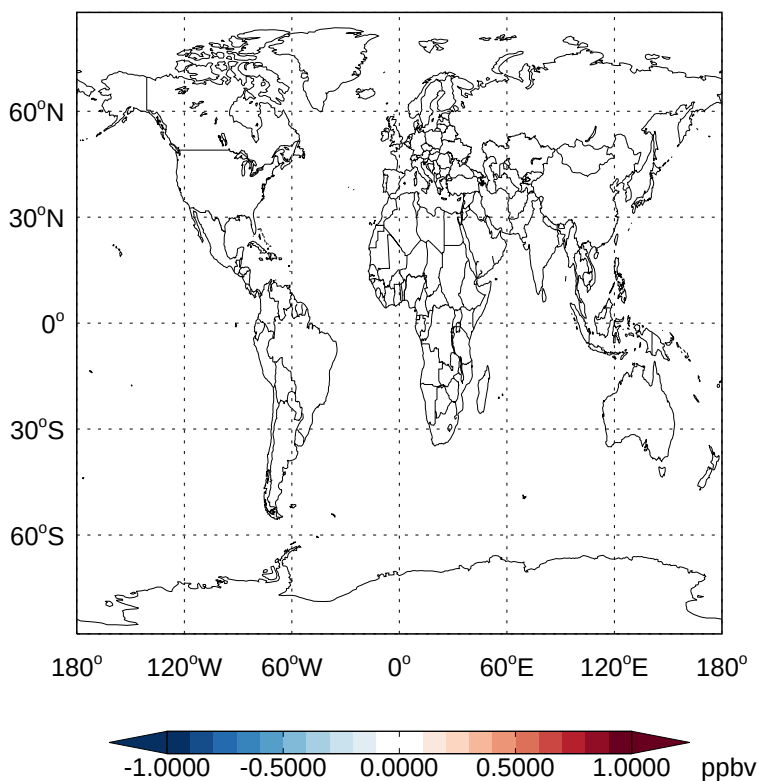
v11-02e-Run1 - v11-02d-Run1

HNO<sub>2</sub> - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

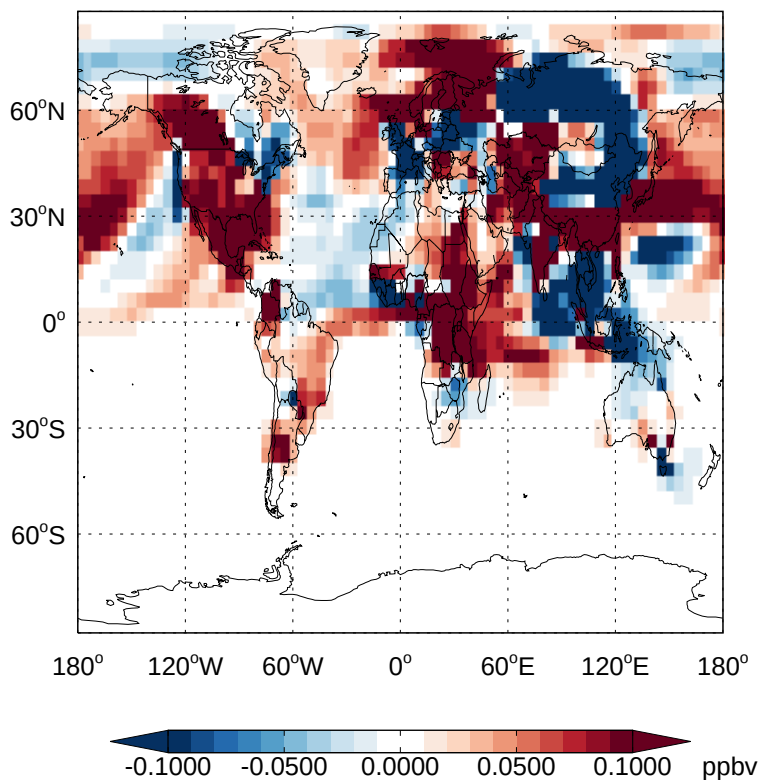
HNO<sub>2</sub> - Diff @ 500 hPa for Jan



# GEOS-Chem Difference Maps at surface and 500 hPa

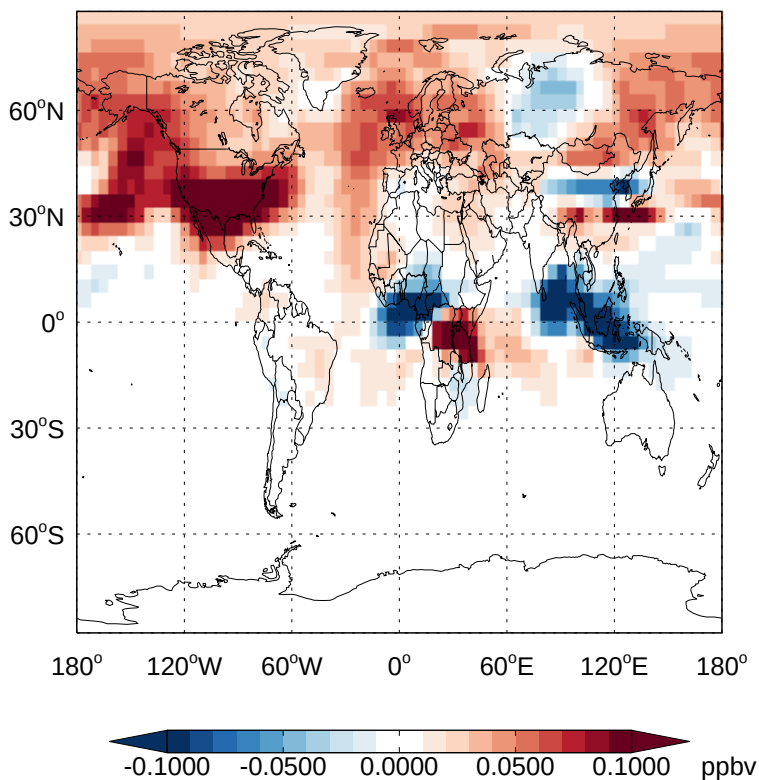
v11-02e-Run1 - v11-02e-Run0

BENZ - Diff @ Surface for Jan



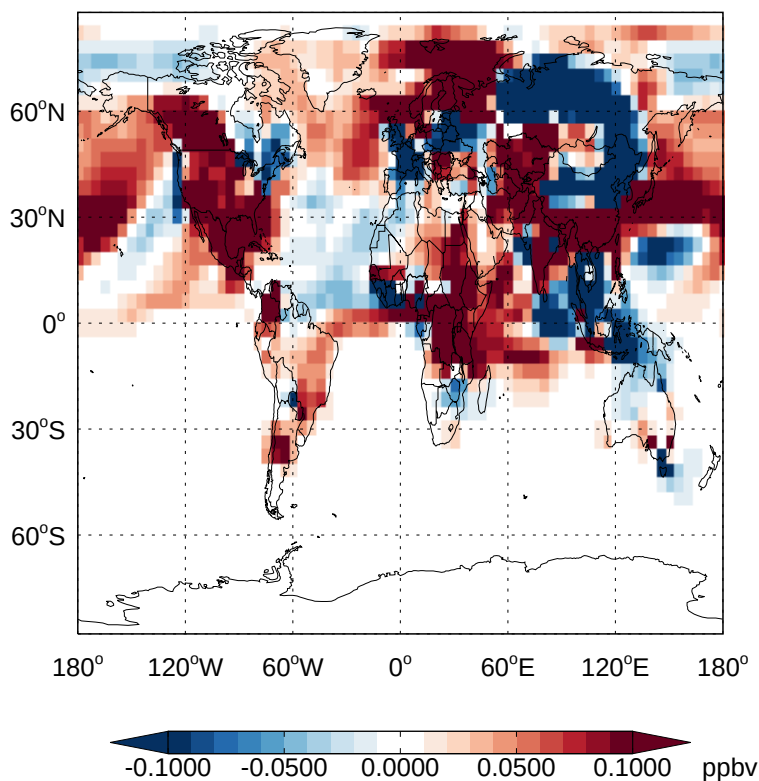
v11-02e-Run1 - v11-02e-Run0

BENZ- Diff @ 500 hPa for Jan



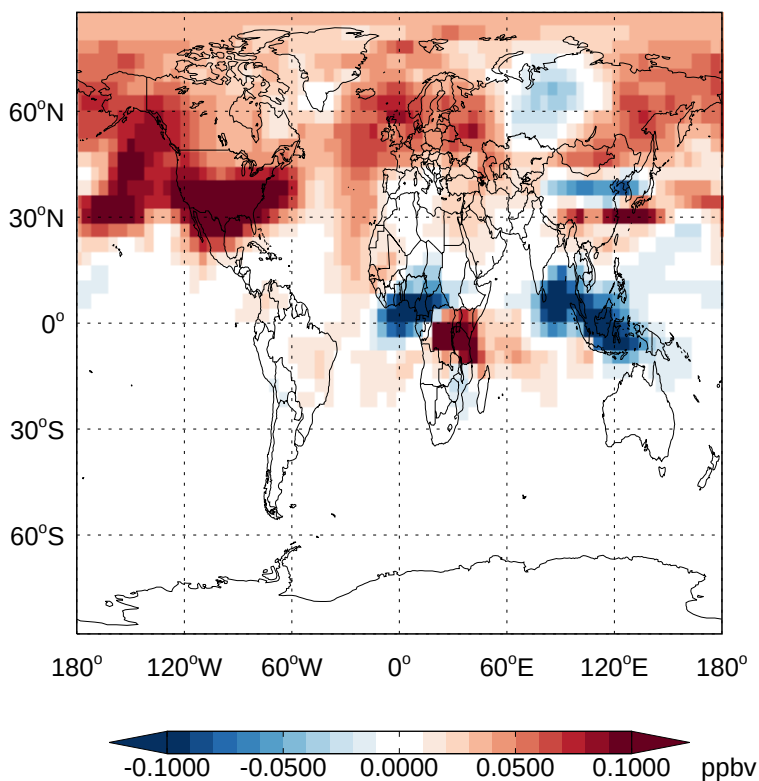
v11-02e-Run1 - v11-02d-Run1

BENZ - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

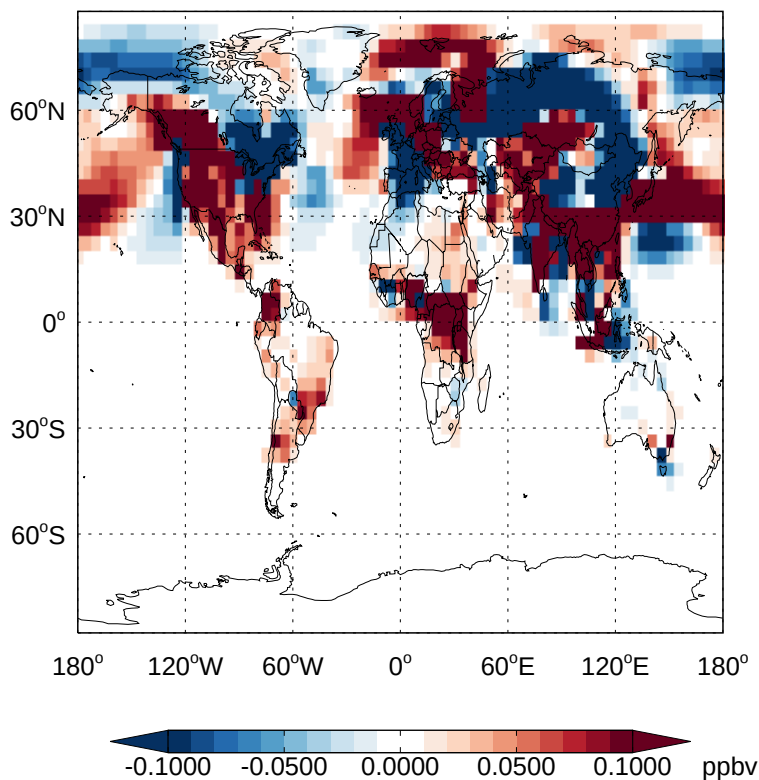
BENZ- Diff @ 500 hPa for Jan



# GEOS-Chem Difference Maps at surface and 500 hPa

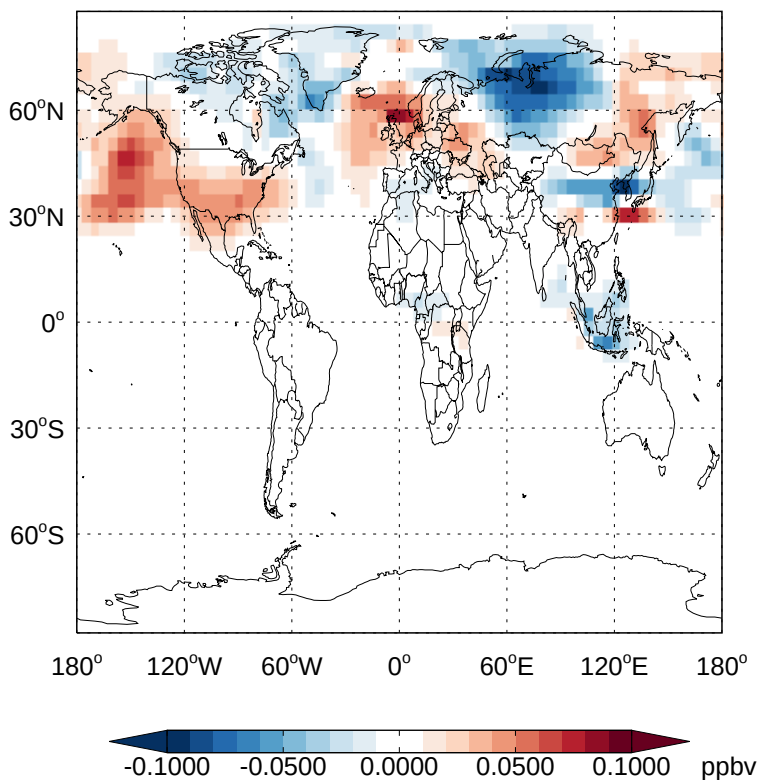
v11-02e-Run1 - v11-02e-Run0

TOLU - Diff @ Surface for Jan



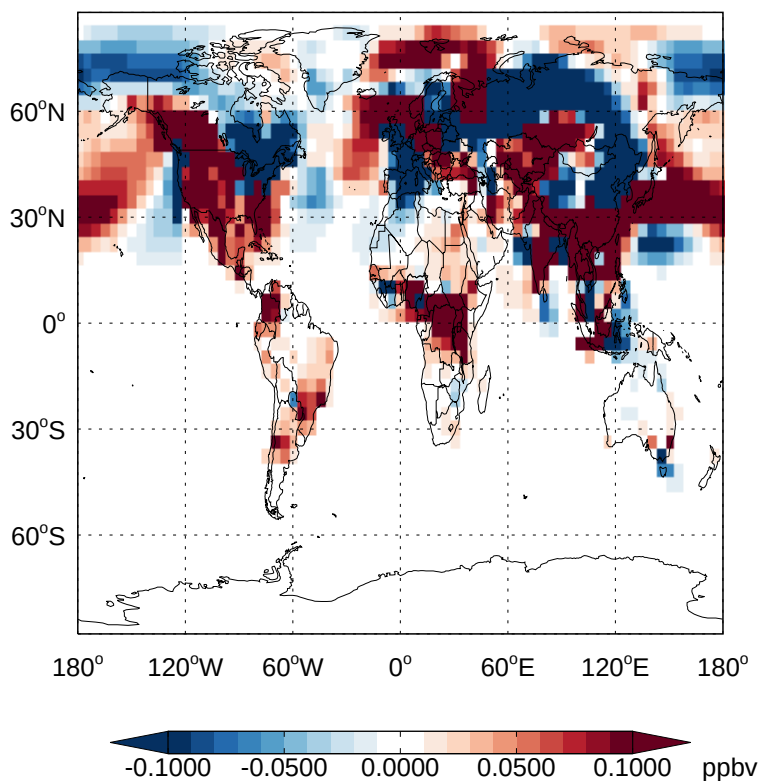
v11-02e-Run1 - v11-02e-Run0

TOLU- Diff @ 500 hPa for Jan



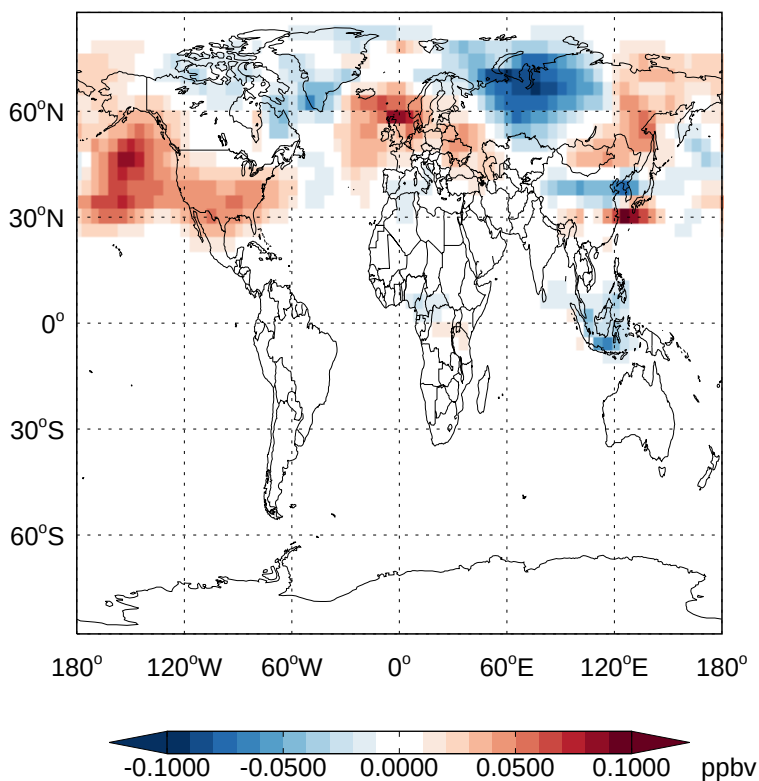
v11-02e-Run1 - v11-02d-Run1

TOLU - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

TOLU- Diff @ 500 hPa for Jan

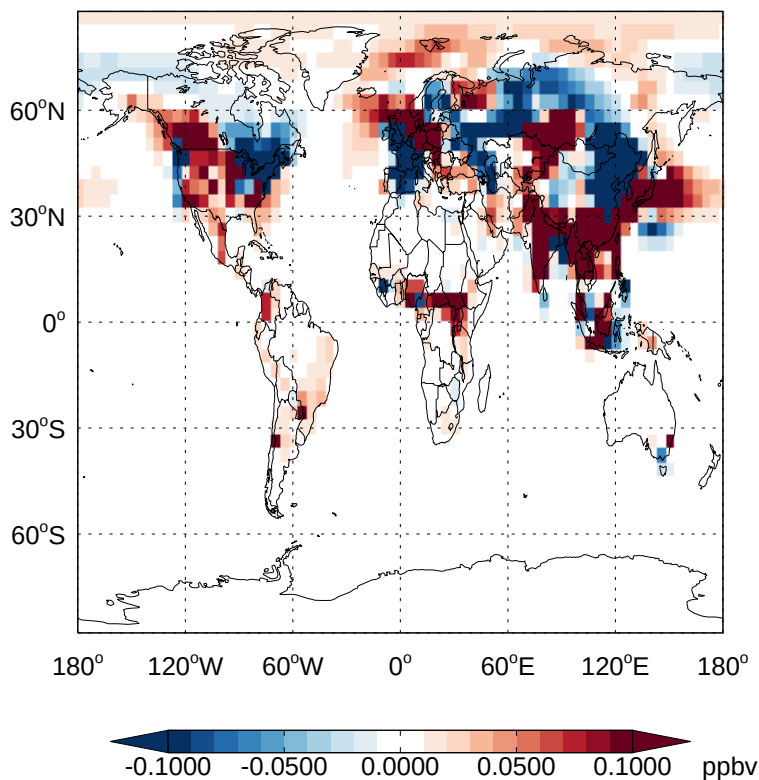




# GEOS-Chem Difference Maps at surface and 500 hPa

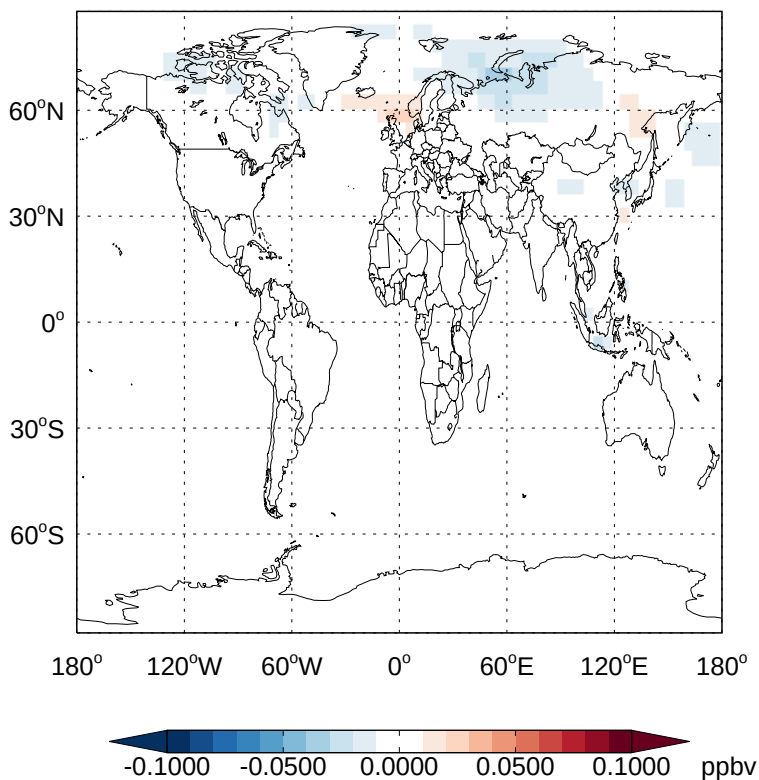
v11-02e-Run1 - v11-02e-Run0

XYLE - Diff @ Surface for Jan



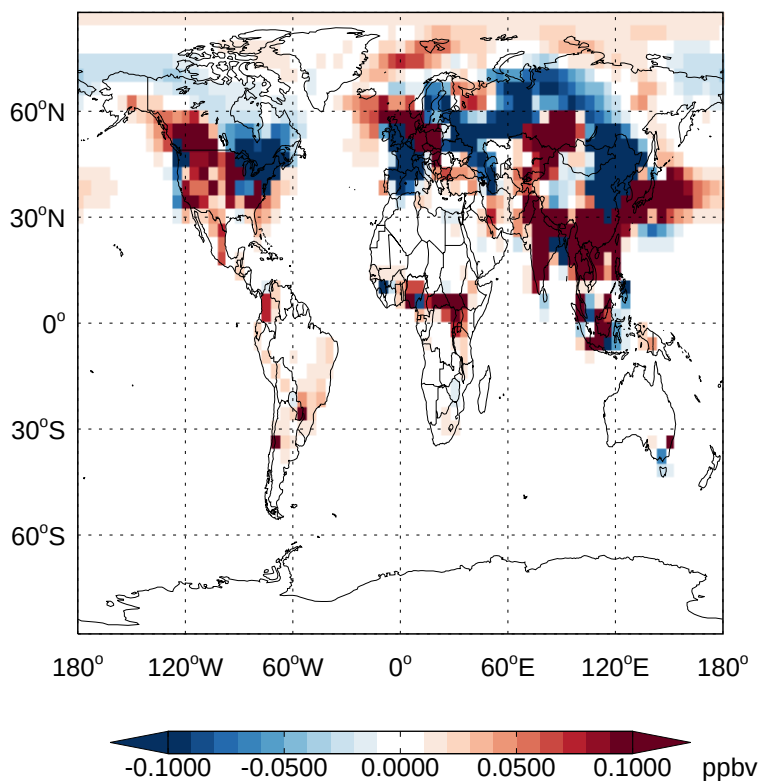
v11-02e-Run1 - v11-02e-Run0

XYLE- Diff @ 500 hPa for Jan



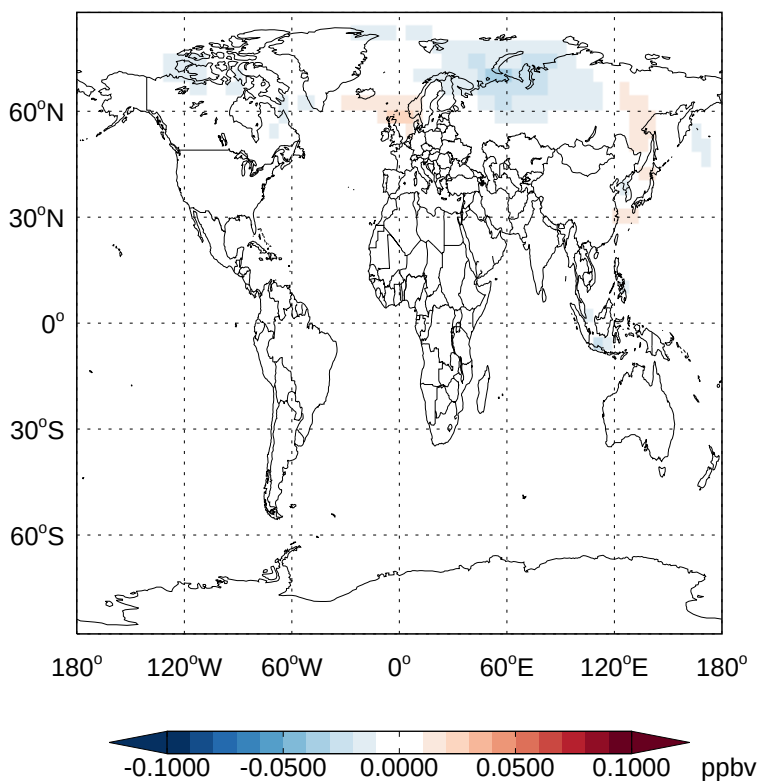
v11-02e-Run1 - v11-02d-Run1

XYLE - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

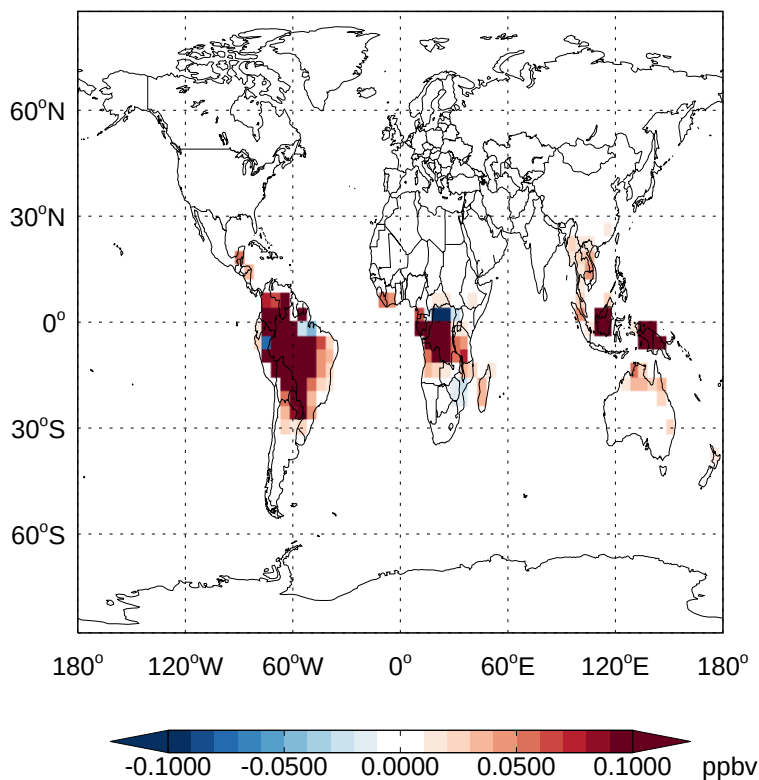
XYLE- Diff @ 500 hPa for Jan



# GEOS-Chem Difference Maps at surface and 500 hPa

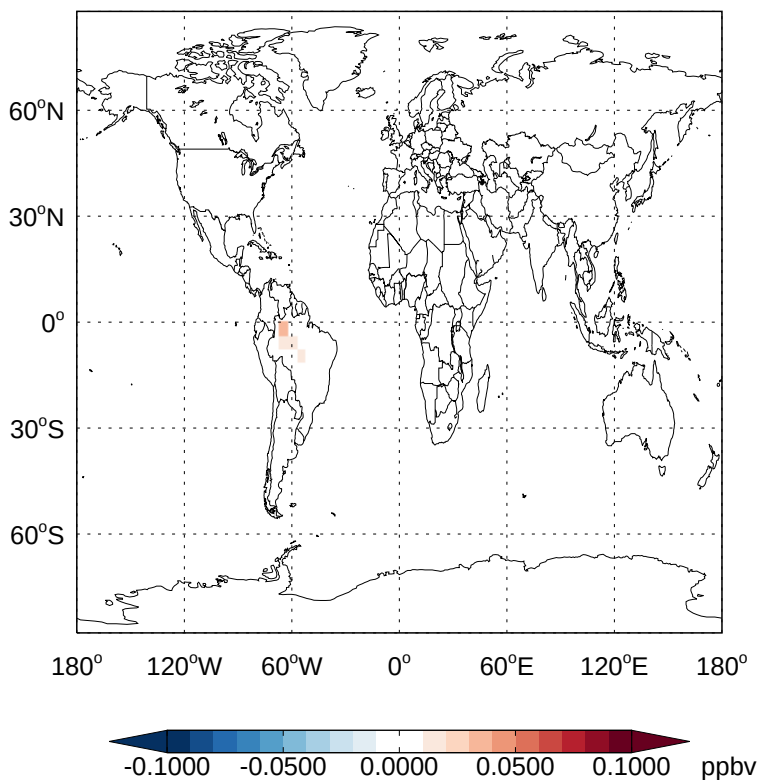
v11-02e-Run1 - v11-02e-Run0

MTPA - Diff @ Surface for Jan



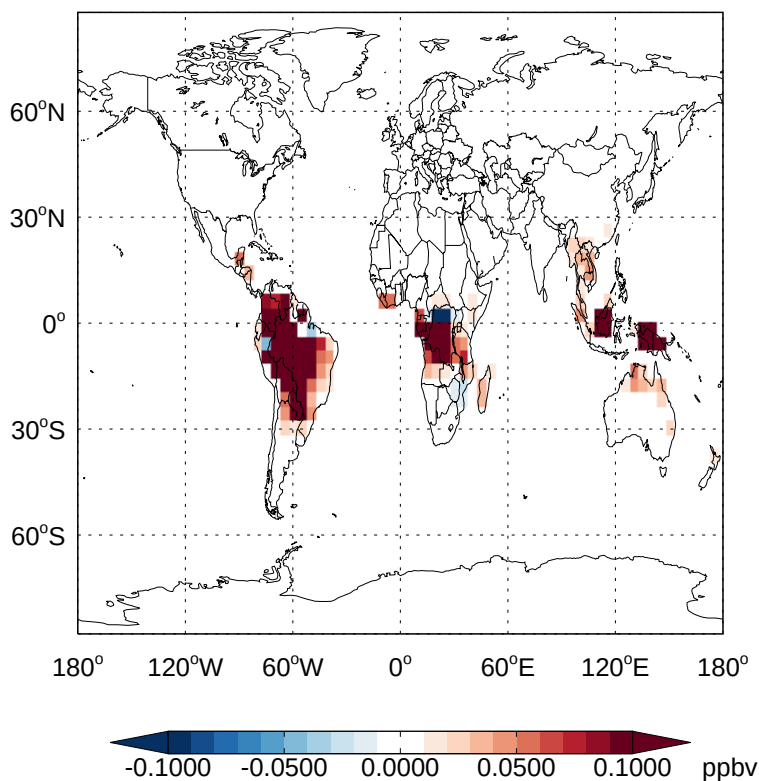
v11-02e-Run1 - v11-02e-Run0

MTPA- Diff @ 500 hPa for Jan



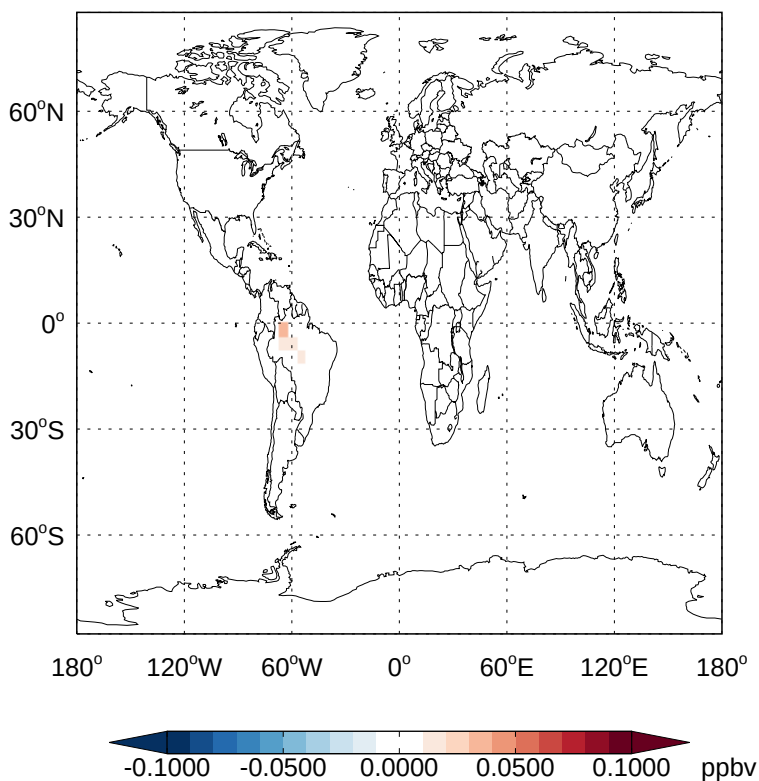
v11-02e-Run1 - v11-02d-Run1

MTPA - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

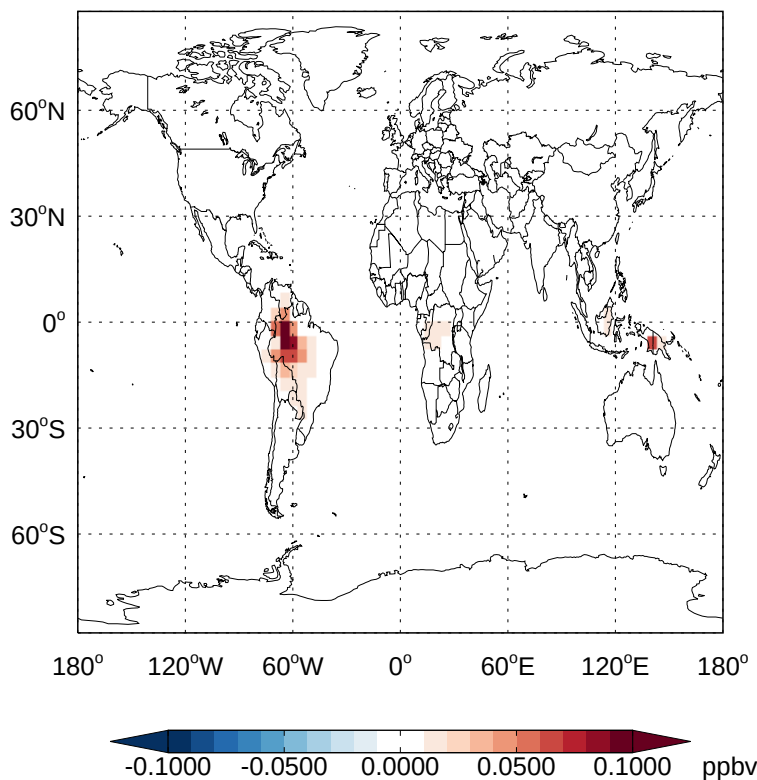
MTPA- Diff @ 500 hPa for Jan



# GEOS-Chem Difference Maps at surface and 500 hPa

v11-02e-Run1 - v11-02e-Run0

LIMO - Diff @ Surface for Jan



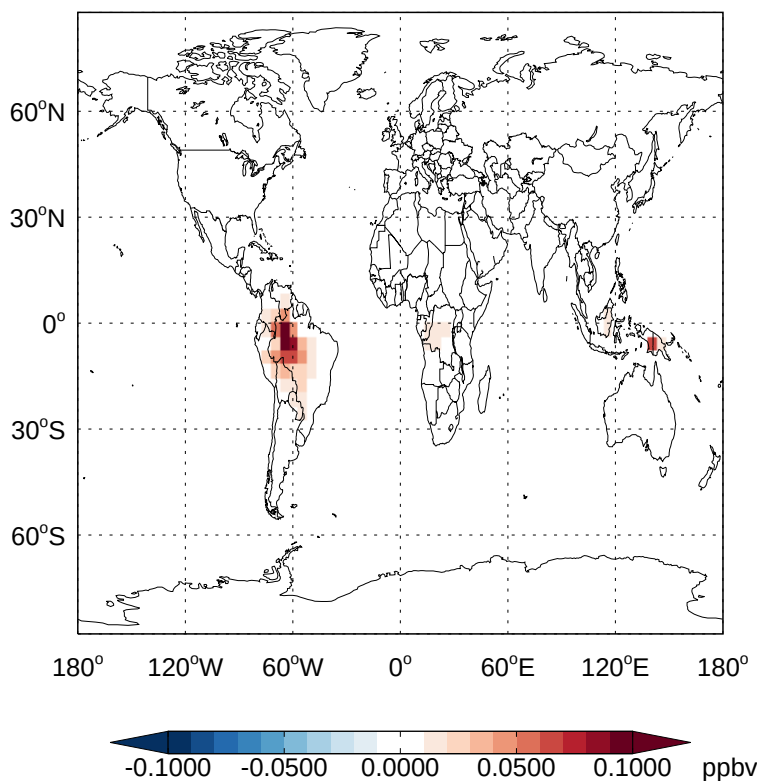
v11-02e-Run1 - v11-02e-Run0

LIMO- Diff @ 500 hPa for Jan



v11-02e-Run1 - v11-02d-Run1

LIMO - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

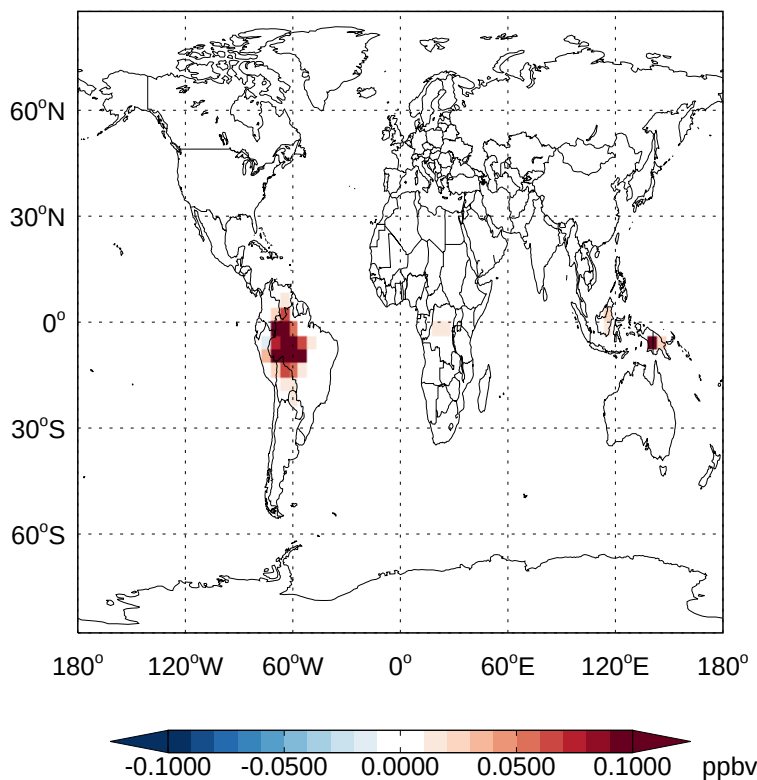
LIMO- Diff @ 500 hPa for Jan



## GEOS-Chem Difference Maps at surface and 500 hPa

v11-02e-Run1 - v11-02e-Run0

MTPO - Diff @ Surface for Jan



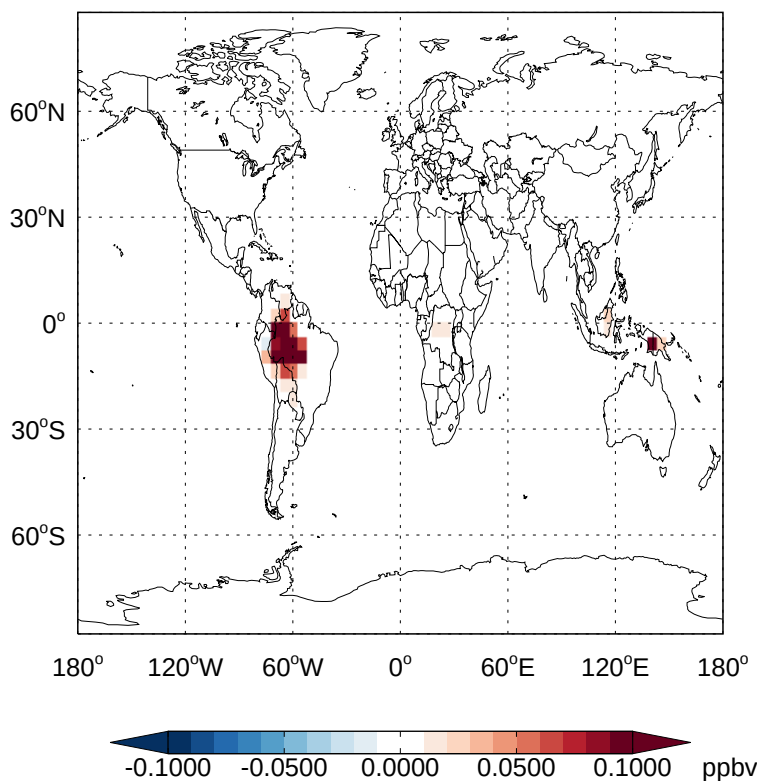
v11-02e-Run1 - v11-02e-Run0

MTPO- Diff @ 500 hPa for Jan



v11-02e-Run1 - v11-02d-Run1

MTPO - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

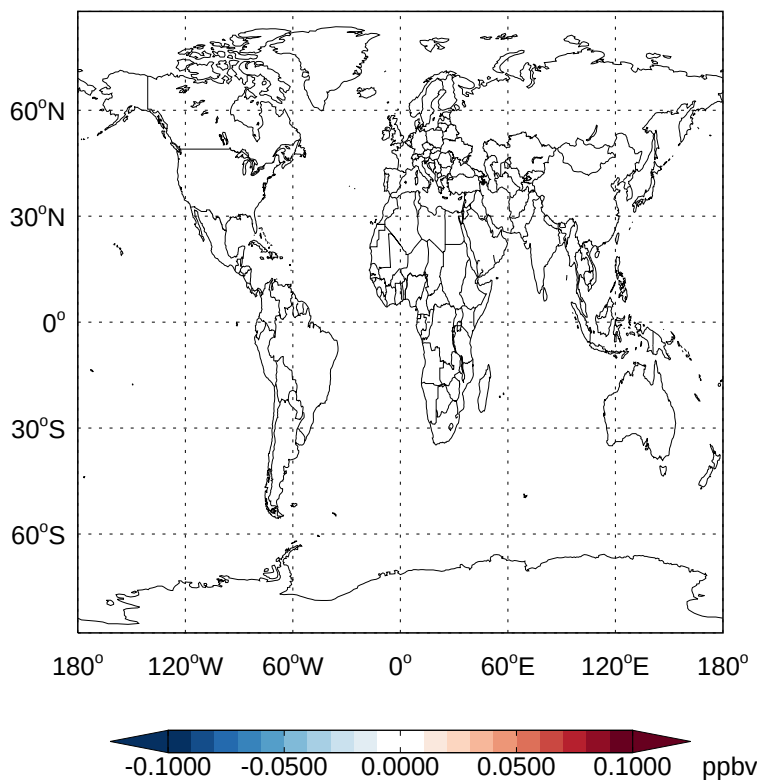
MTPO- Diff @ 500 hPa for Jan



# GEOS-Chem Difference Maps at surface and 500 hPa

v11-02e-Run1 - v11-02e-Run0

TSOG1 - Diff @ Surface for Jan



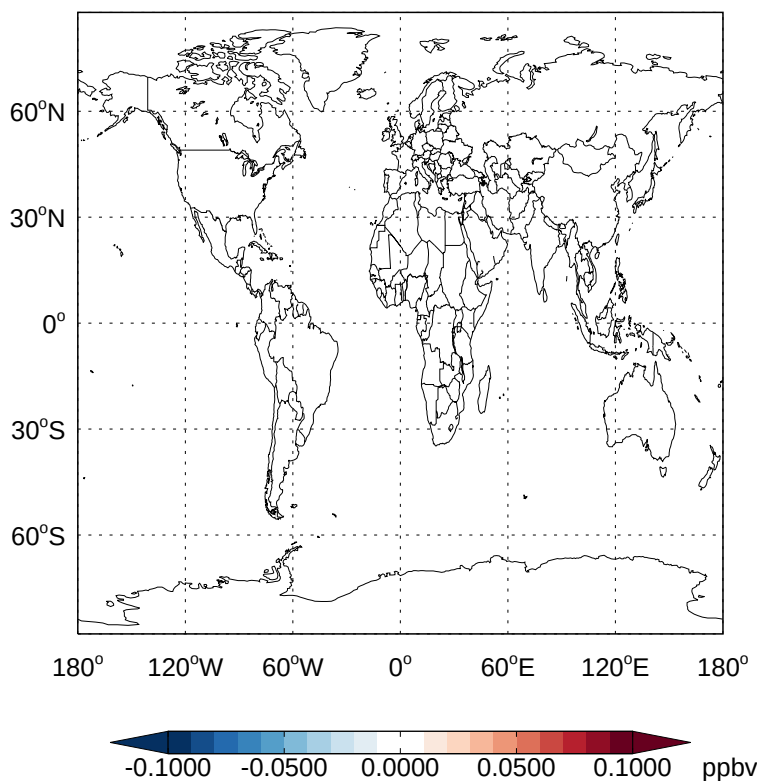
v11-02e-Run1 - v11-02e-Run0

TSOG1- Diff @ 500 hPa for Jan



v11-02e-Run1 - v11-02d-Run1

TSOG1 - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

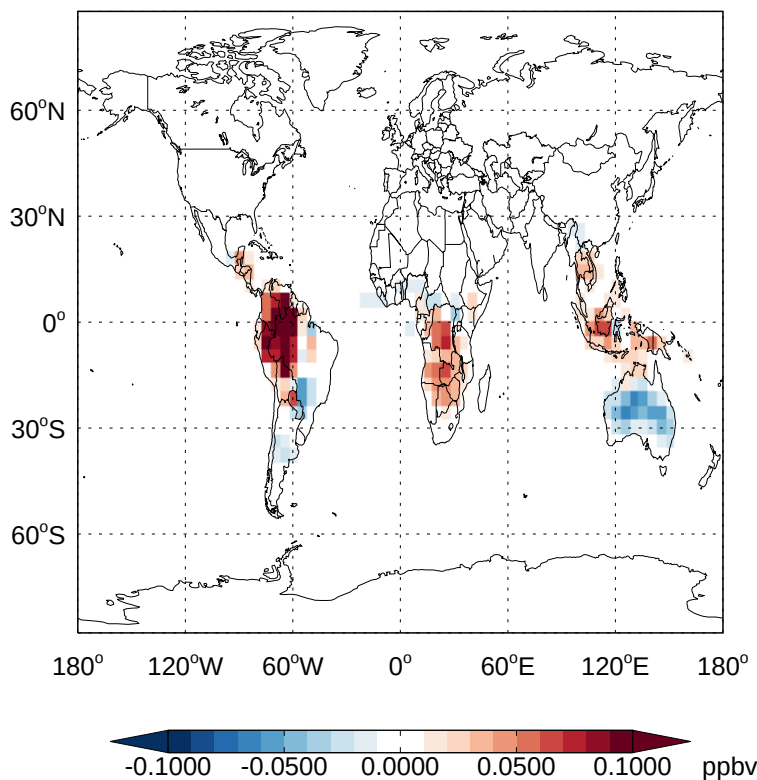
TSOG1- Diff @ 500 hPa for Jan



# GEOS-Chem Difference Maps at surface and 500 hPa

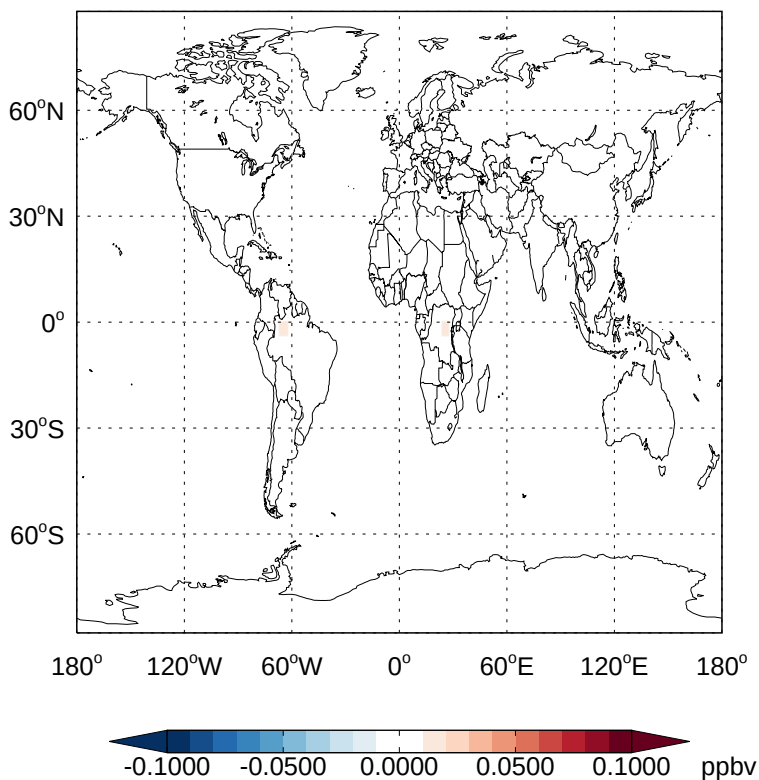
v11-02e-Run1 - v11-02e-Run0

TSOG2 - Diff @ Surface for Jan



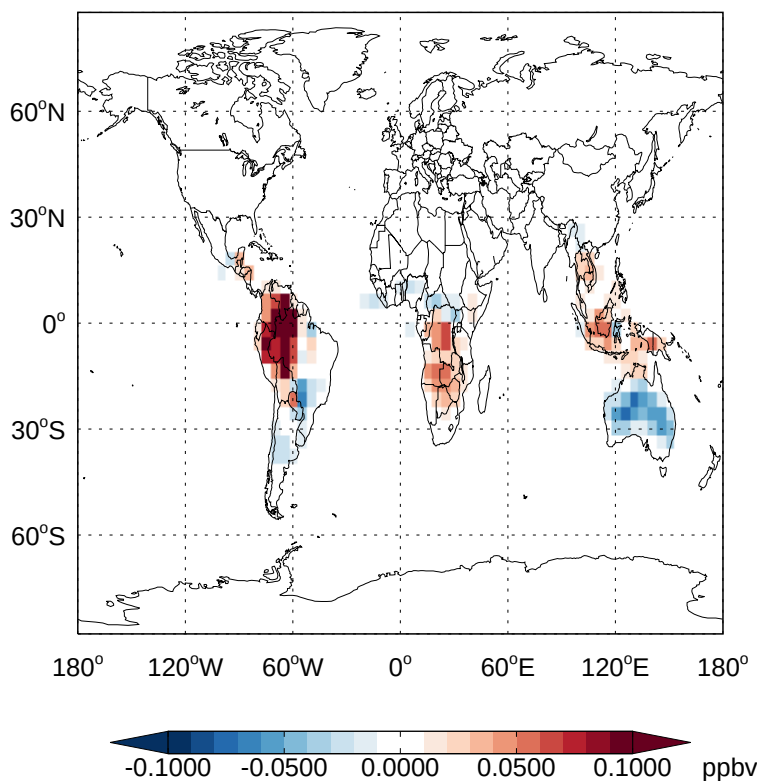
v11-02e-Run1 - v11-02e-Run0

TSOG2- Diff @ 500 hPa for Jan



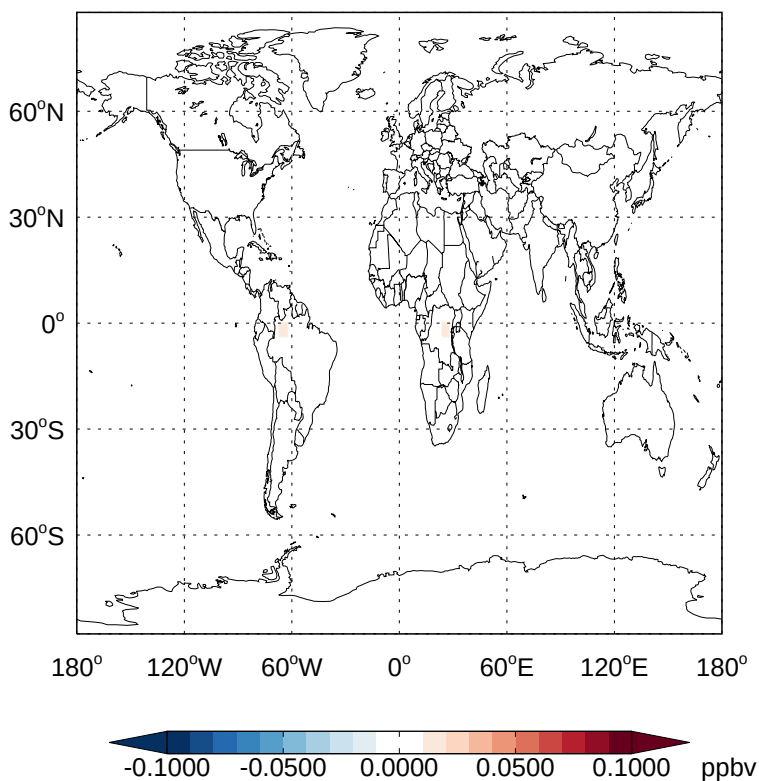
v11-02e-Run1 - v11-02d-Run1

TSOG2 - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

TSOG2- Diff @ 500 hPa for Jan

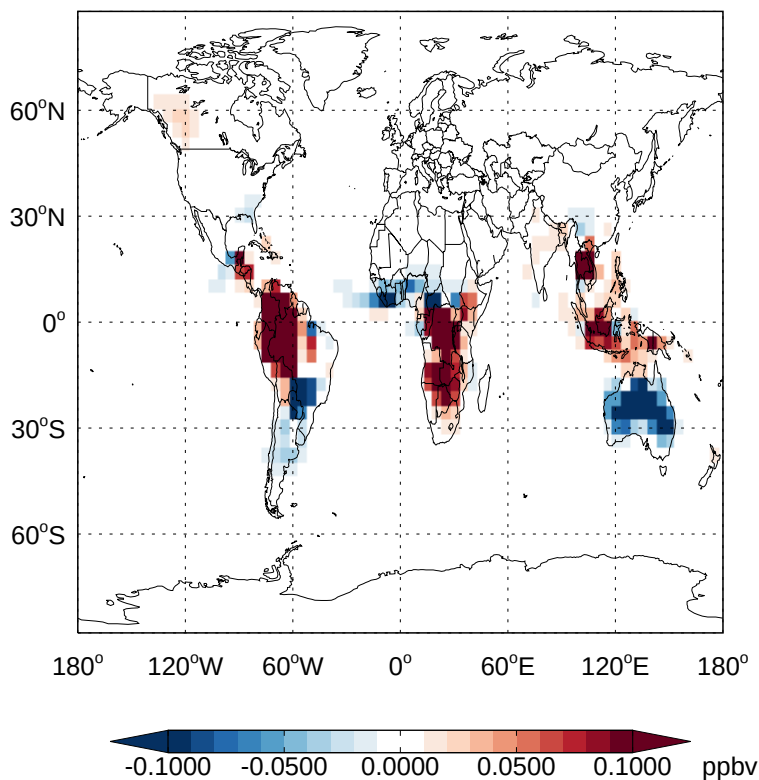




# GEOS-Chem Difference Maps at surface and 500 hPa

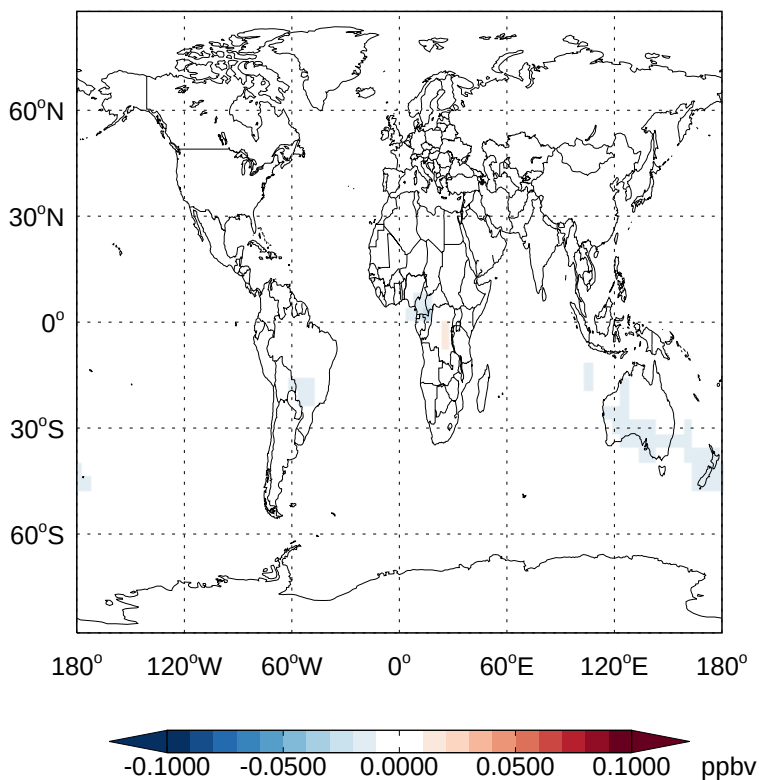
v11-02e-Run1 - v11-02e-Run0

TSOG3 - Diff @ Surface for Jan



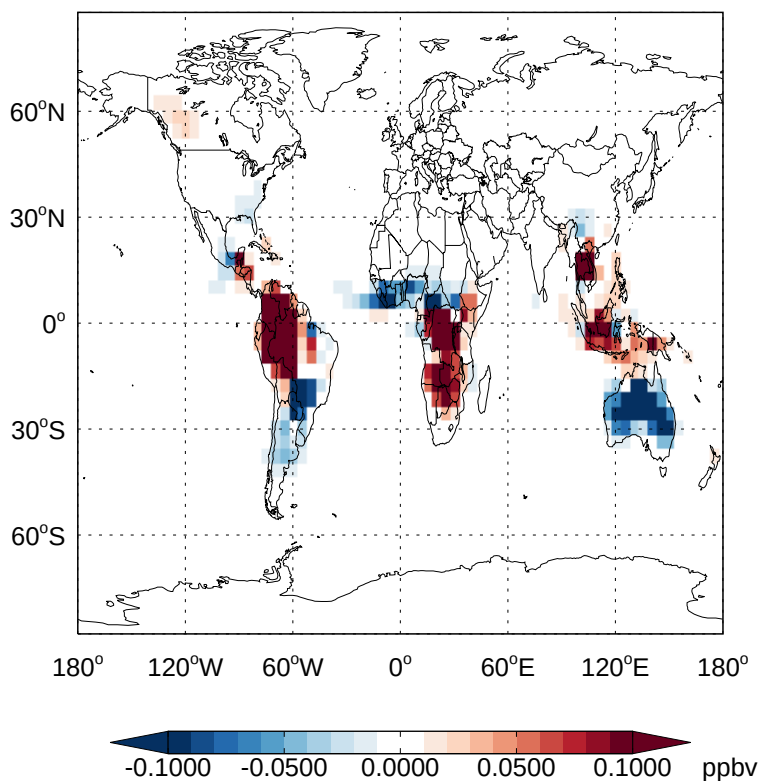
v11-02e-Run1 - v11-02e-Run0

TSOG3- Diff @ 500 hPa for Jan



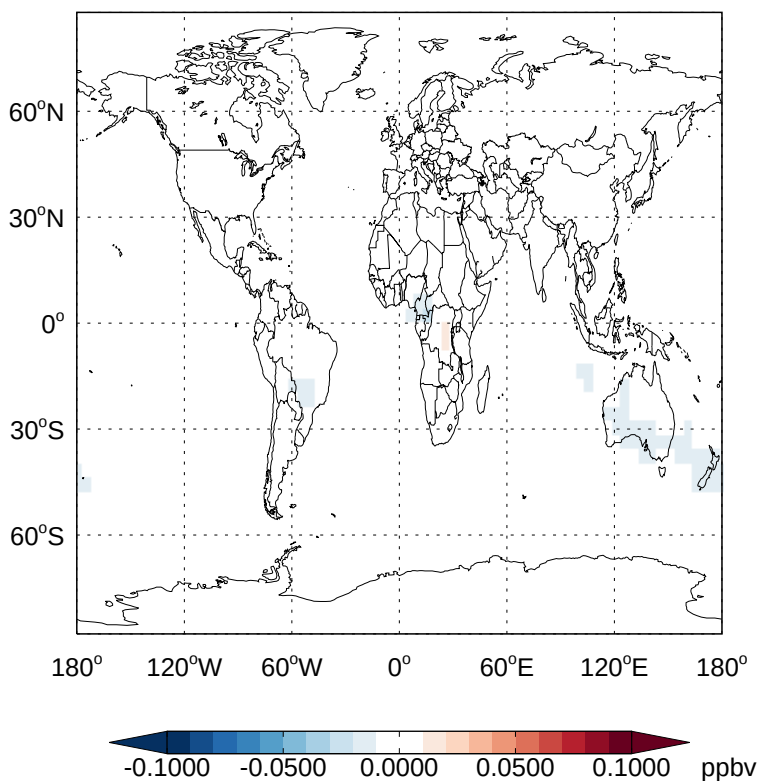
v11-02e-Run1 - v11-02d-Run1

TSOG3 - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

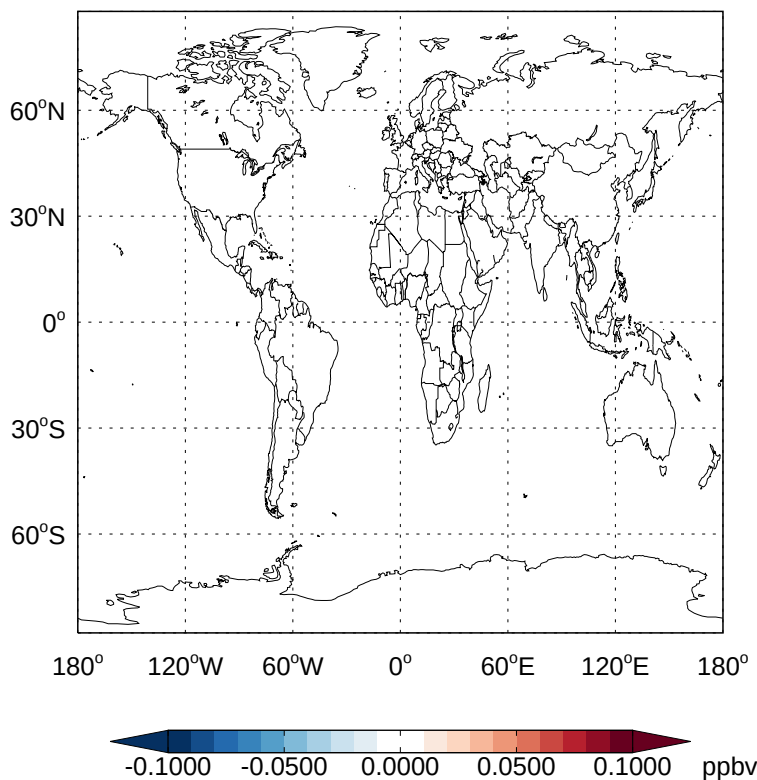
TSOG3- Diff @ 500 hPa for Jan



# GEOS-Chem Difference Maps at surface and 500 hPa

v11-02e-Run1 - v11-02e-Run0

TSOG0 - Diff @ Surface for Jan



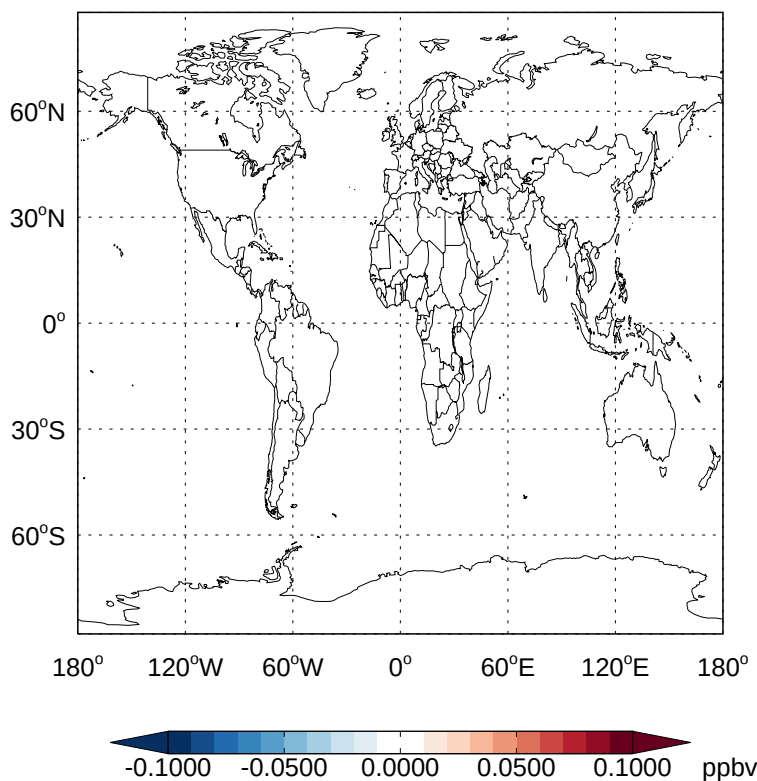
v11-02e-Run1 - v11-02e-Run0

TSOG0- Diff @ 500 hPa for Jan



v11-02e-Run1 - v11-02d-Run1

TSOG0 - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

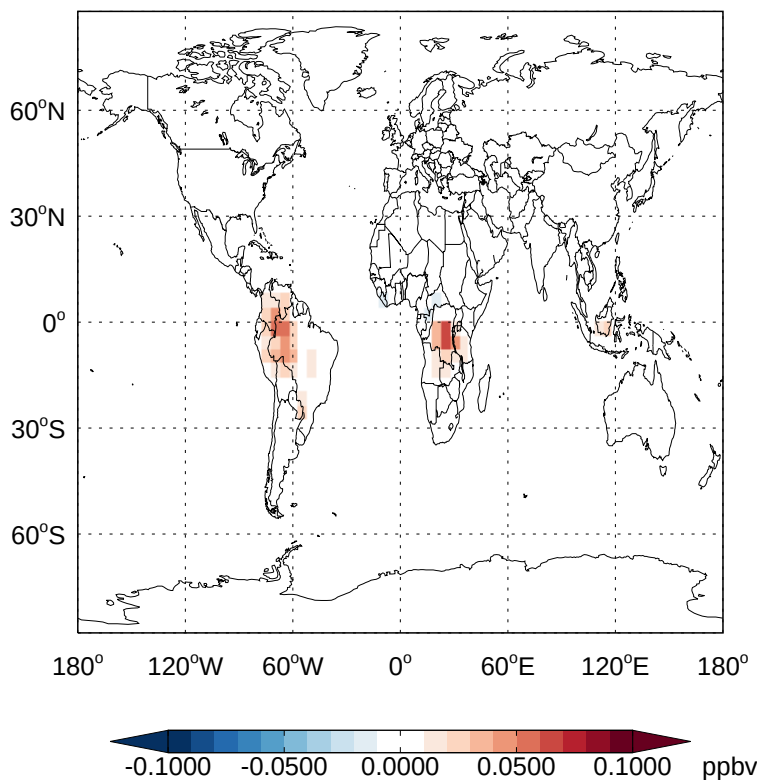
TSOG0- Diff @ 500 hPa for Jan



# GEOS-Chem Difference Maps at surface and 500 hPa

v11-02e-Run1 - v11-02e-Run0

TSOA1 - Diff @ Surface for Jan



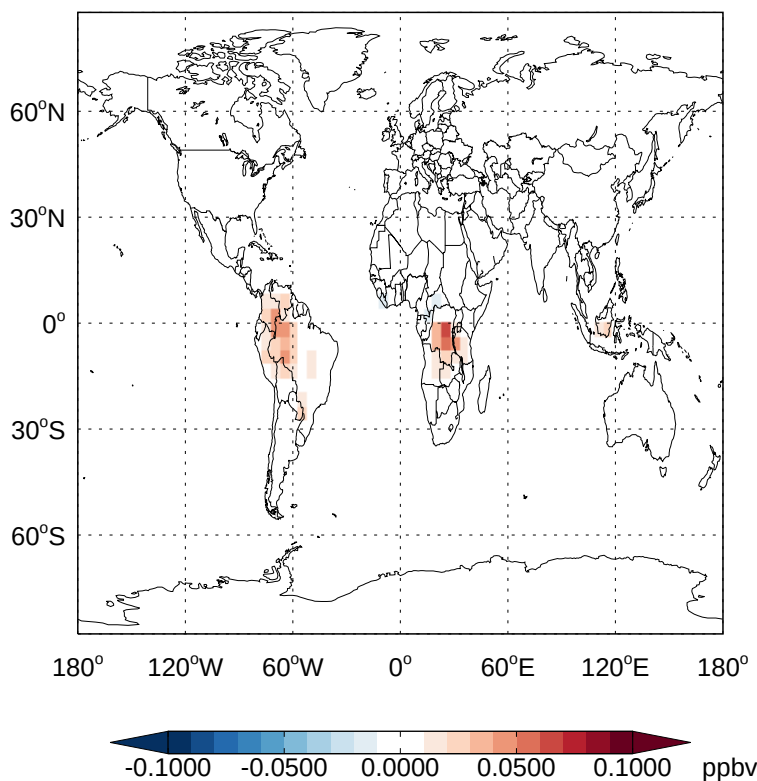
v11-02e-Run1 - v11-02e-Run0

TSOA1- Diff @ 500 hPa for Jan



v11-02e-Run1 - v11-02d-Run1

TSOA1 - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

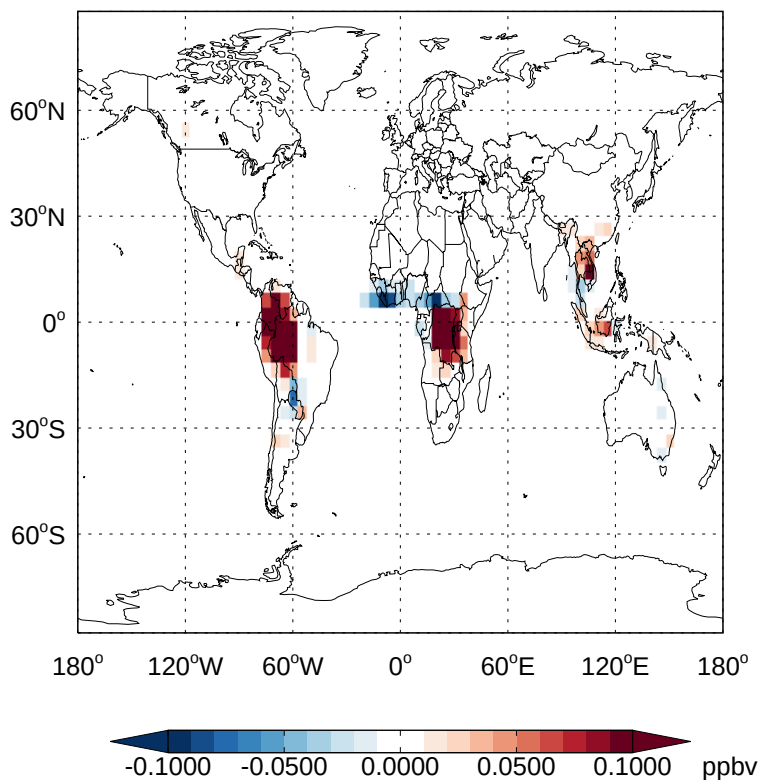
TSOA1- Diff @ 500 hPa for Jan



# GEOS-Chem Difference Maps at surface and 500 hPa

v11-02e-Run1 - v11-02e-Run0

TSOA2 - Diff @ Surface for Jan



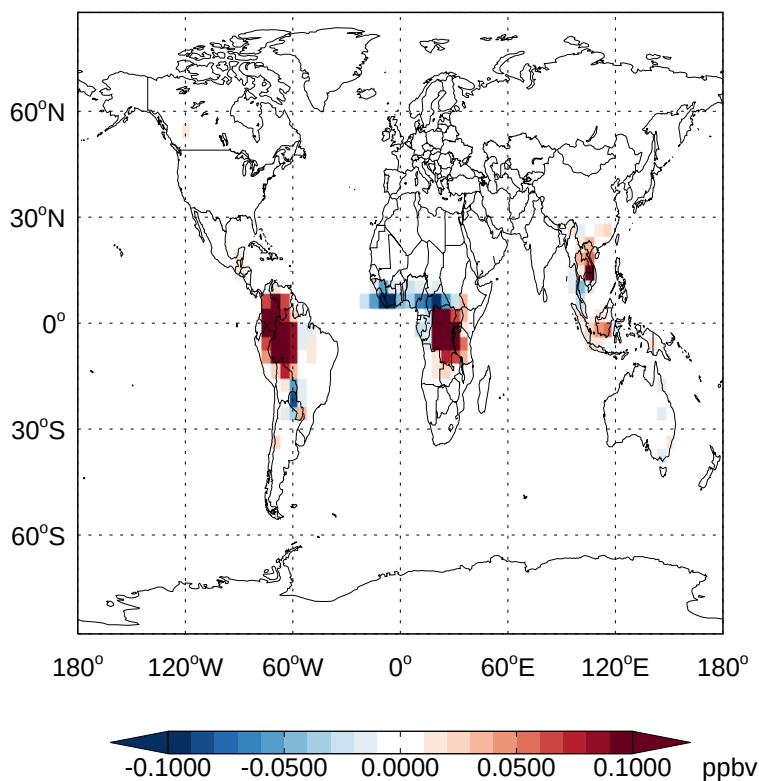
v11-02e-Run1 - v11-02e-Run0

TSOA2- Diff @ 500 hPa for Jan



v11-02e-Run1 - v11-02d-Run1

TSOA2 - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

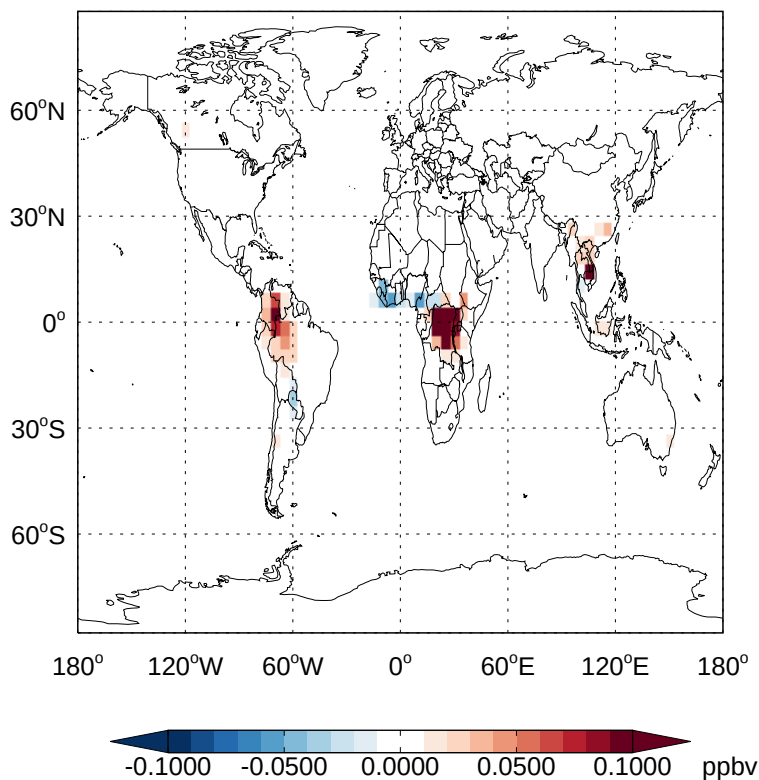
TSOA2- Diff @ 500 hPa for Jan



# GEOS-Chem Difference Maps at surface and 500 hPa

v11-02e-Run1 - v11-02e-Run0

TSOA3 - Diff @ Surface for Jan



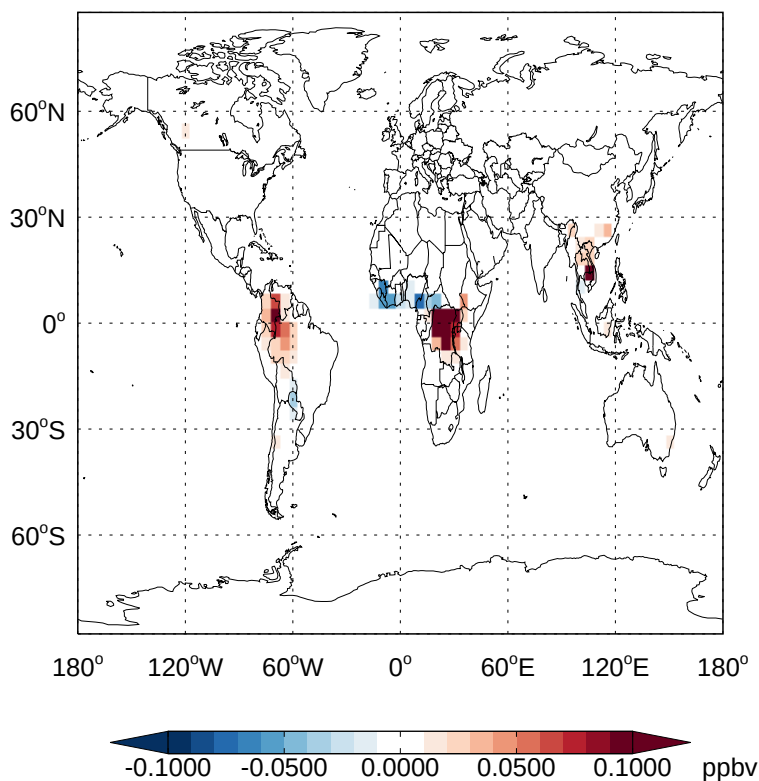
v11-02e-Run1 - v11-02e-Run0

TSOA3- Diff @ 500 hPa for Jan



v11-02e-Run1 - v11-02d-Run1

TSOA3 - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

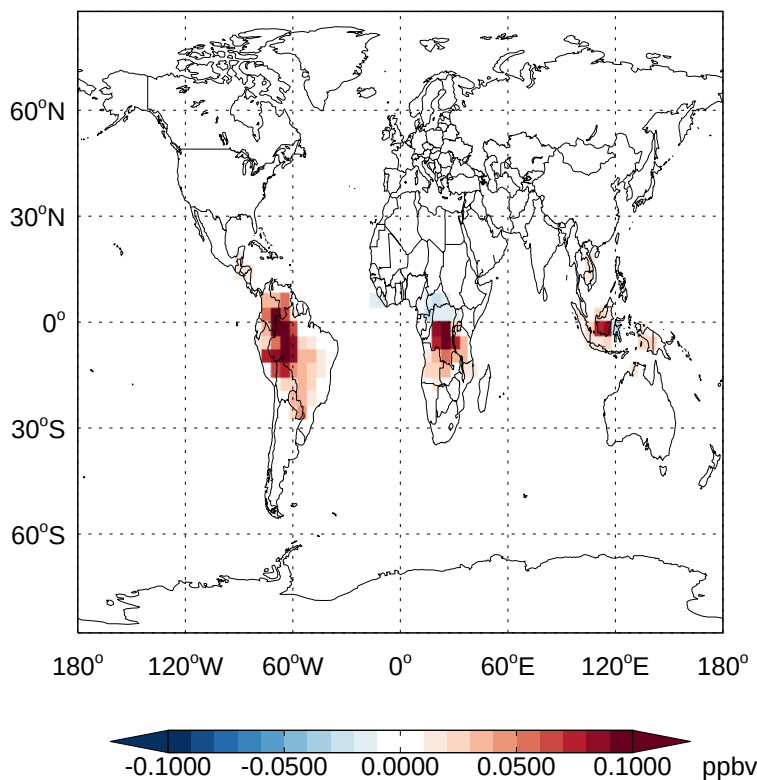
TSOA3- Diff @ 500 hPa for Jan



# GEOS-Chem Difference Maps at surface and 500 hPa

v11-02e-Run1 - v11-02e-Run0

TSOA0 - Diff @ Surface for Jan



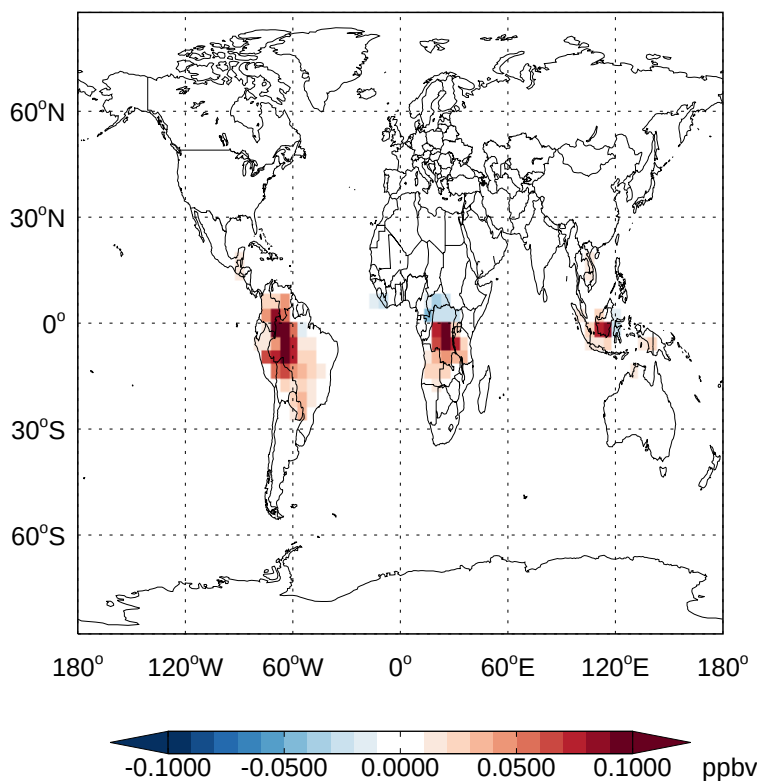
v11-02e-Run1 - v11-02e-Run0

TSOA0- Diff @ 500 hPa for Jan



v11-02e-Run1 - v11-02d-Run1

TSOA0 - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

TSOA0- Diff @ 500 hPa for Jan

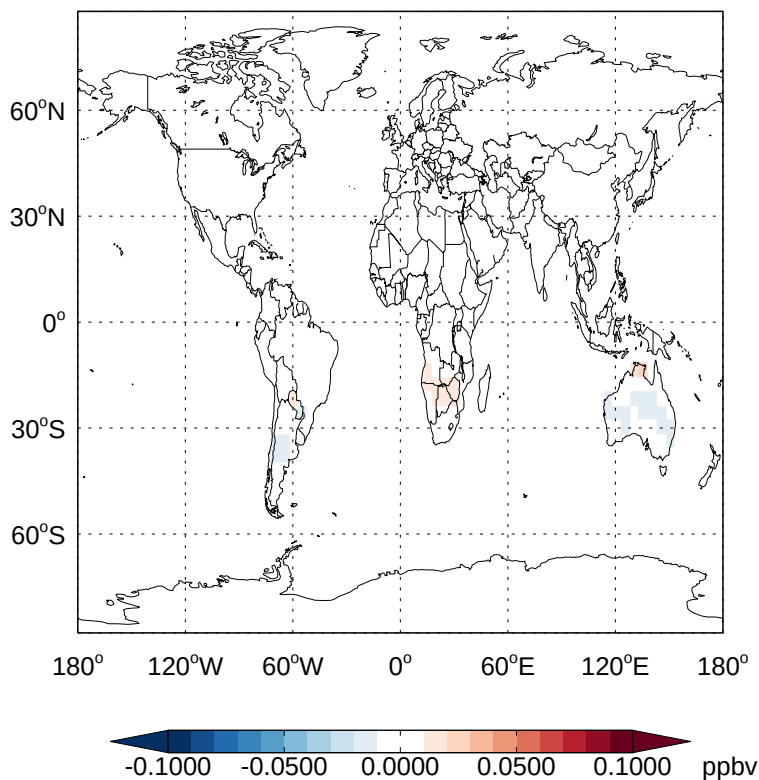




# GEOS-Chem Difference Maps at surface and 500 hPa

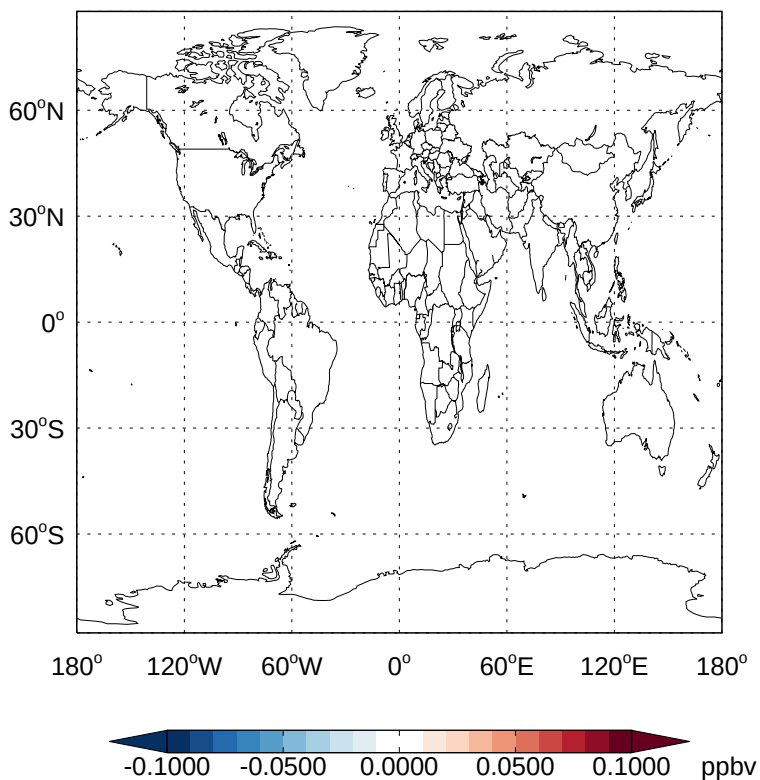
v11-02e-Run1 - v11-02e-Run0

ISOG1 - Diff @ Surface for Jan



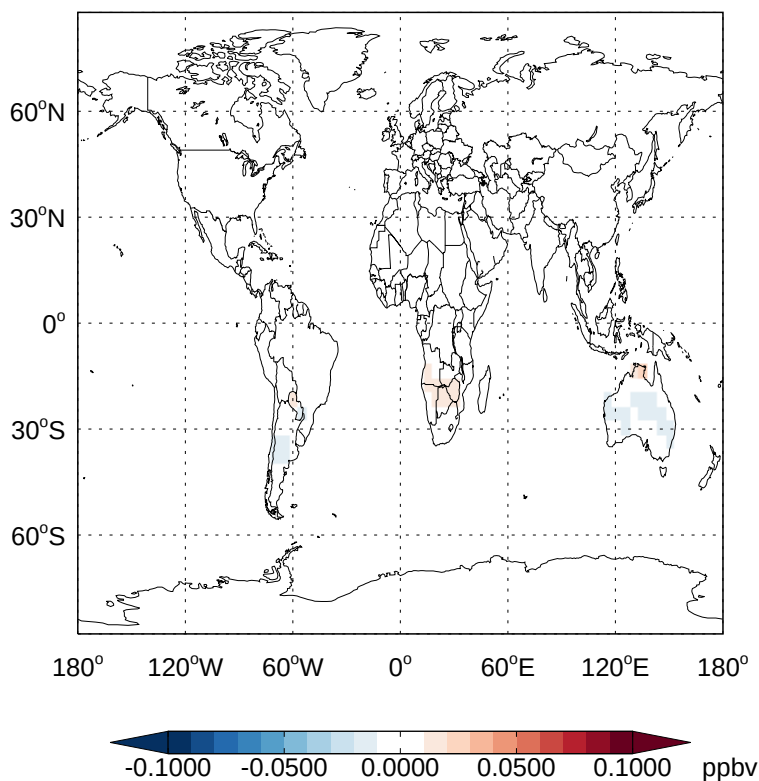
v11-02e-Run1 - v11-02e-Run0

ISOG1- Diff @ 500 hPa for Jan



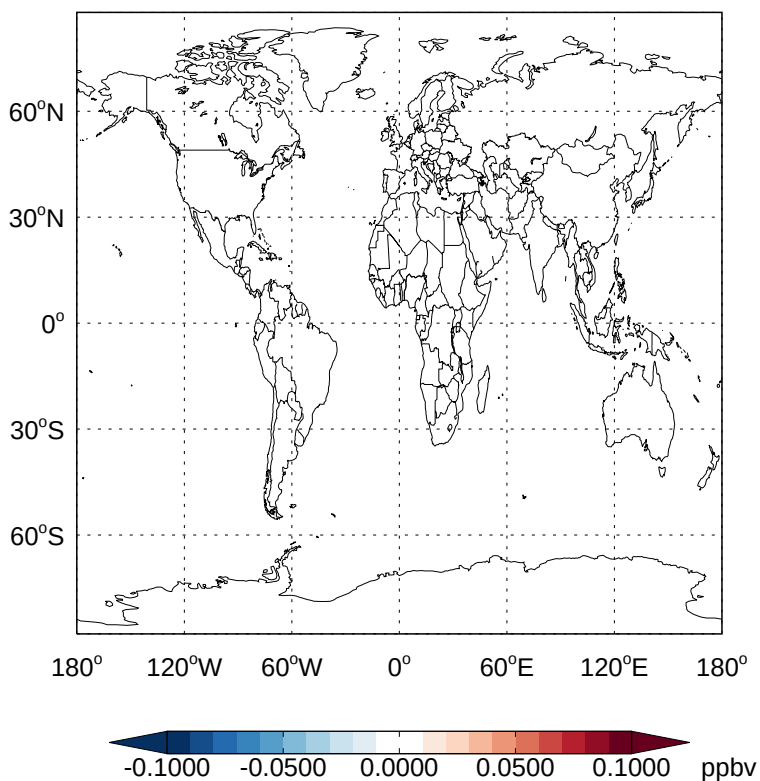
v11-02e-Run1 - v11-02d-Run1

ISOG1 - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

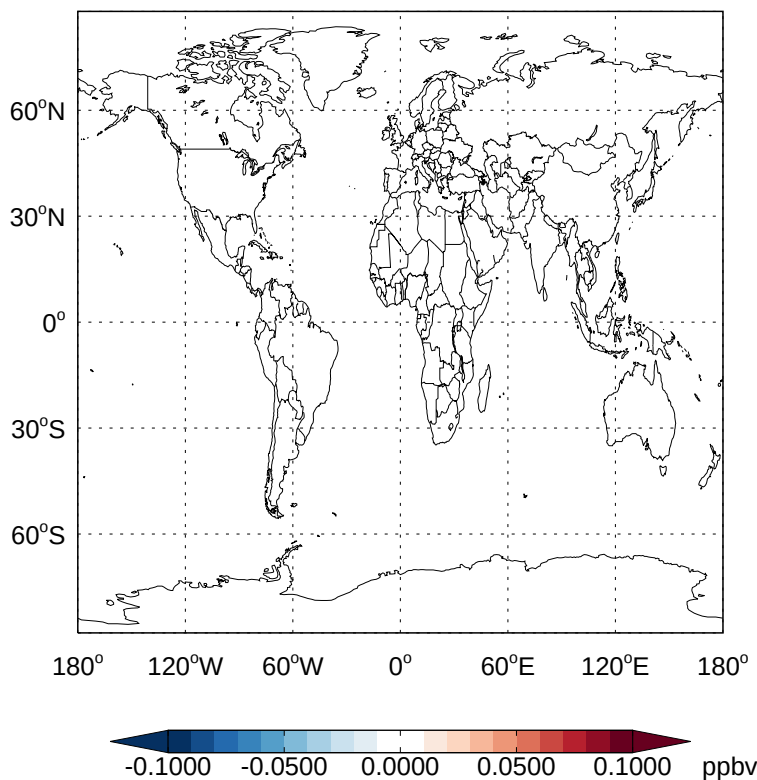
ISOG1- Diff @ 500 hPa for Jan



# GEOS-Chem Difference Maps at surface and 500 hPa

v11-02e-Run1 - v11-02e-Run0

ISOG2 - Diff @ Surface for Jan



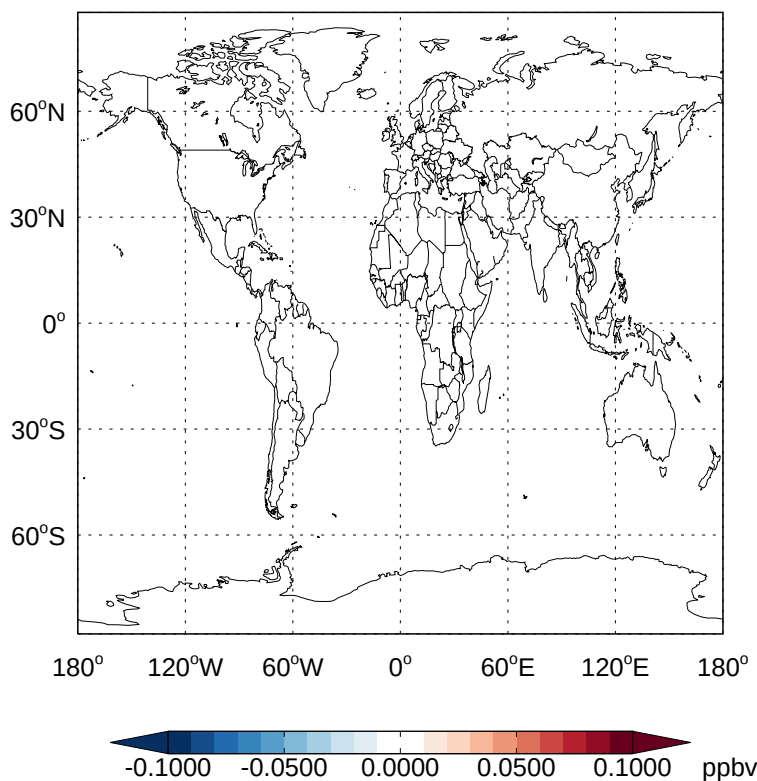
v11-02e-Run1 - v11-02e-Run0

ISOG2- Diff @ 500 hPa for Jan



v11-02e-Run1 - v11-02d-Run1

ISOG2 - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

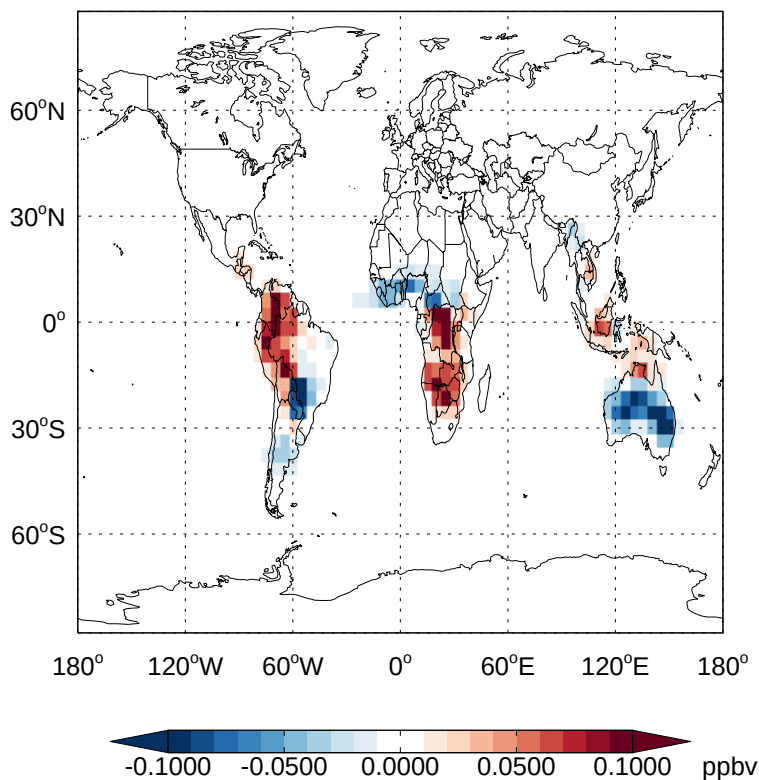
ISOG2- Diff @ 500 hPa for Jan



# GEOS-Chem Difference Maps at surface and 500 hPa

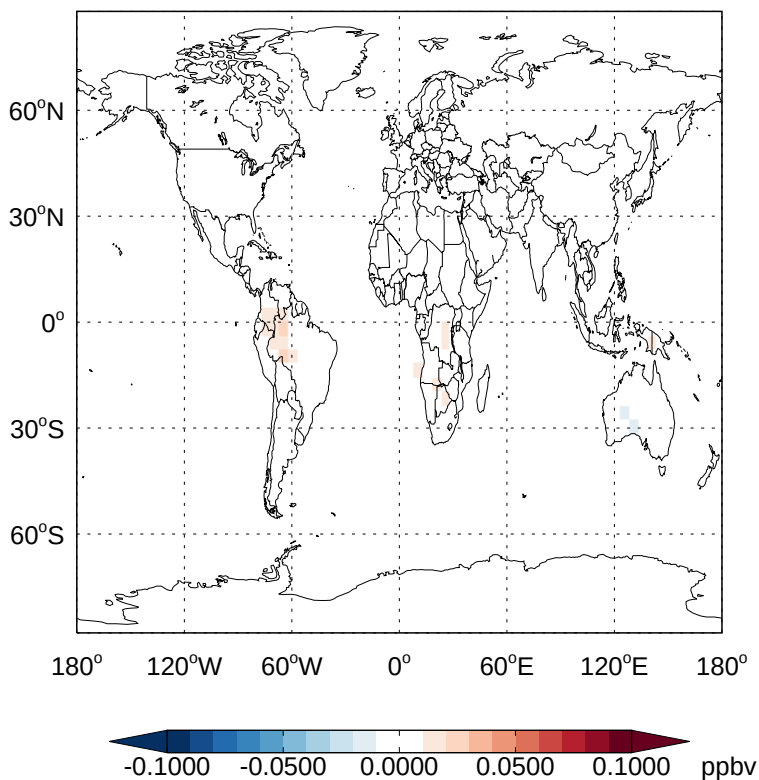
v11-02e-Run1 - v11-02e-Run0

ISOG3 - Diff @ Surface for Jan



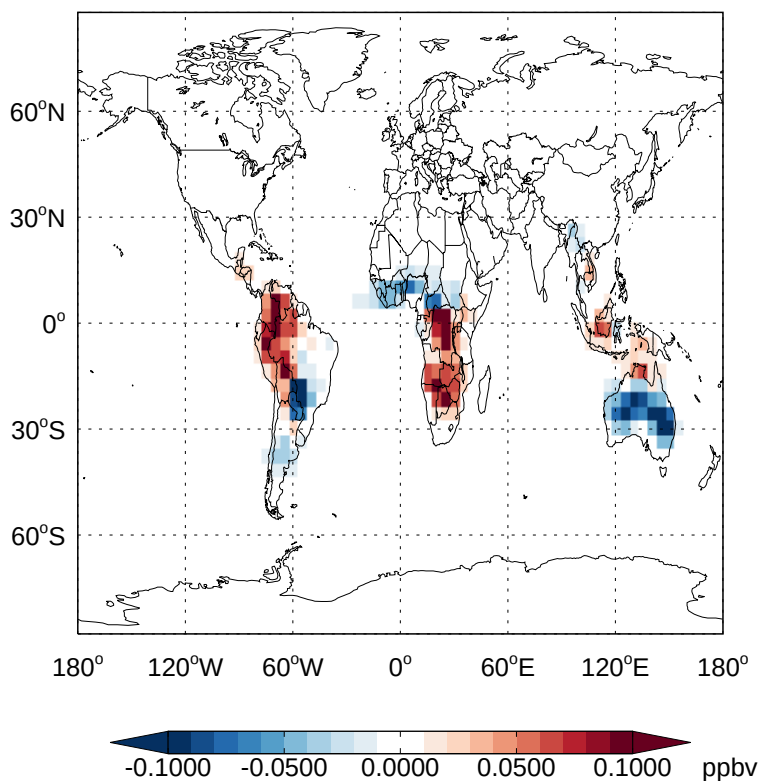
v11-02e-Run1 - v11-02e-Run0

ISOG3- Diff @ 500 hPa for Jan



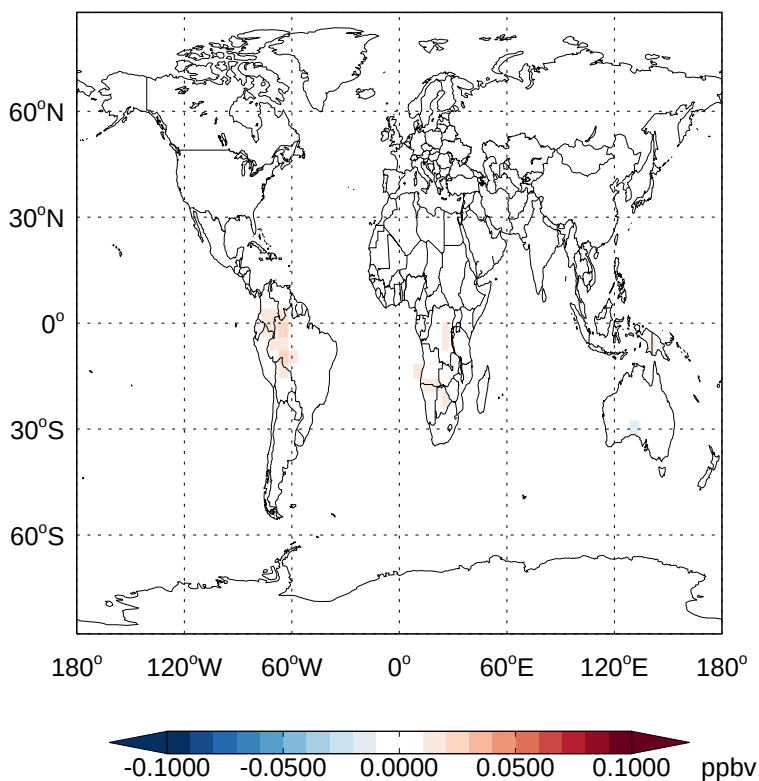
v11-02e-Run1 - v11-02d-Run1

ISOG3 - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

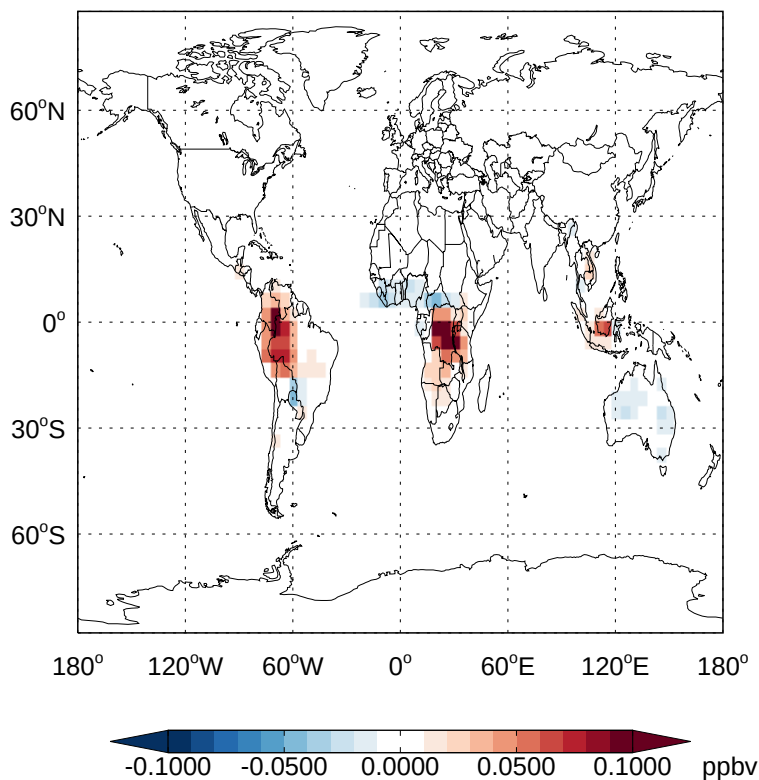
ISOG3- Diff @ 500 hPa for Jan



# GEOS-Chem Difference Maps at surface and 500 hPa

v11-02e-Run1 - v11-02e-Run0

ISOA1 - Diff @ Surface for Jan



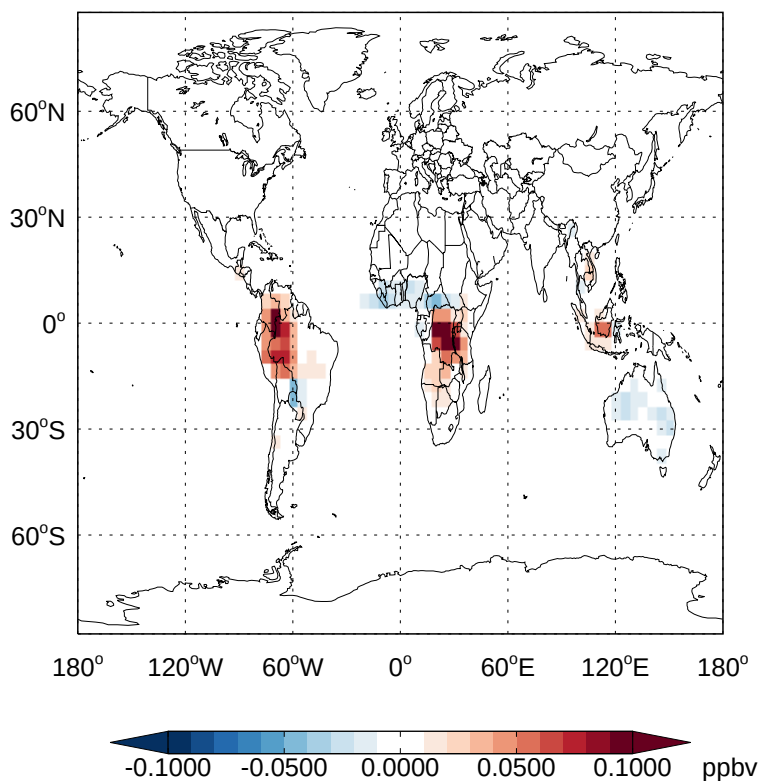
v11-02e-Run1 - v11-02e-Run0

ISOA1- Diff @ 500 hPa for Jan



v11-02e-Run1 - v11-02d-Run1

ISOA1 - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

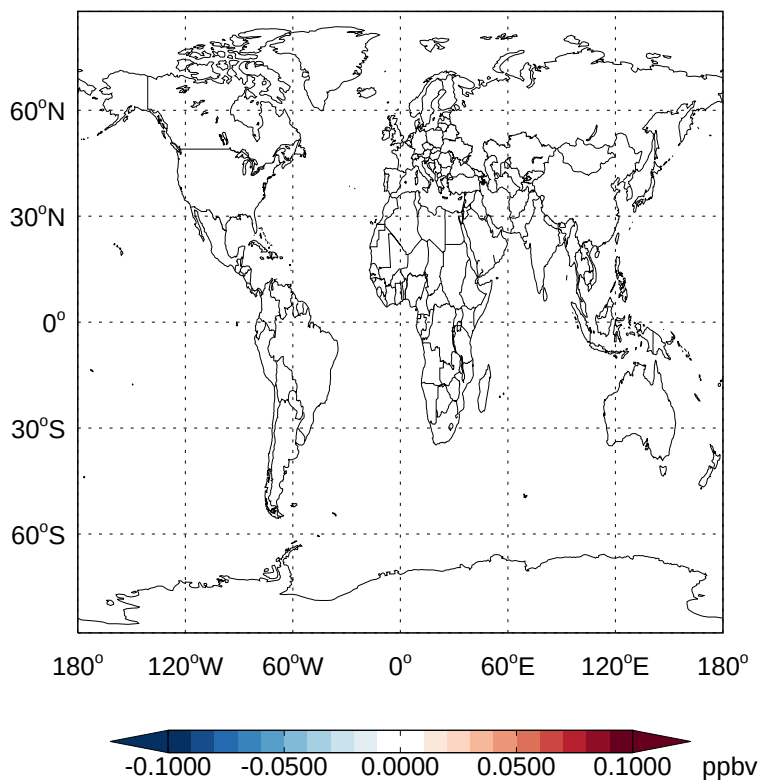
ISOA1- Diff @ 500 hPa for Jan



# GEOS-Chem Difference Maps at surface and 500 hPa

v11-02e-Run1 - v11-02e-Run0

ISOA2 - Diff @ Surface for Jan



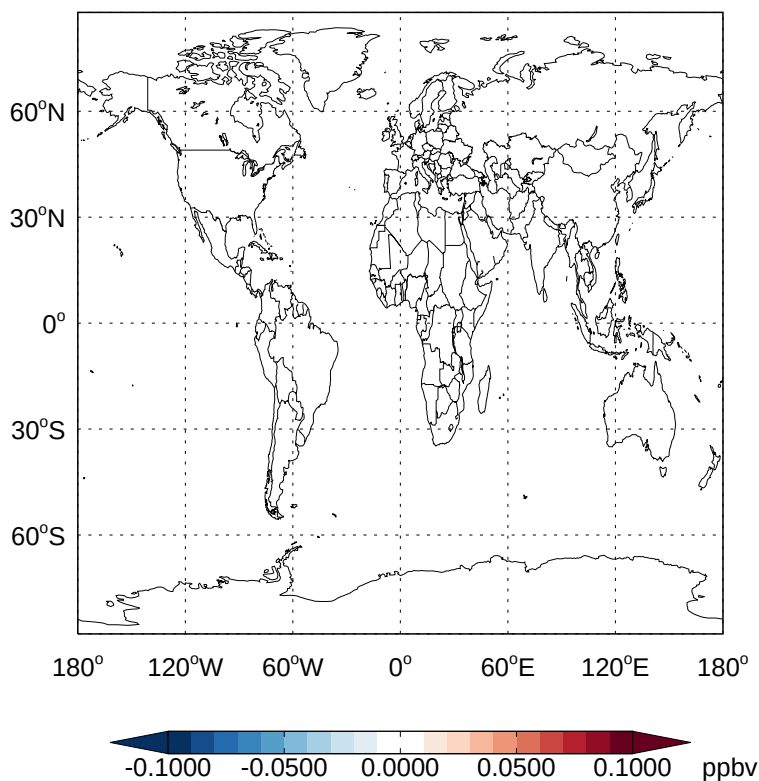
v11-02e-Run1 - v11-02e-Run0

ISOA2- Diff @ 500 hPa for Jan



v11-02e-Run1 - v11-02d-Run1

ISOA2 - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

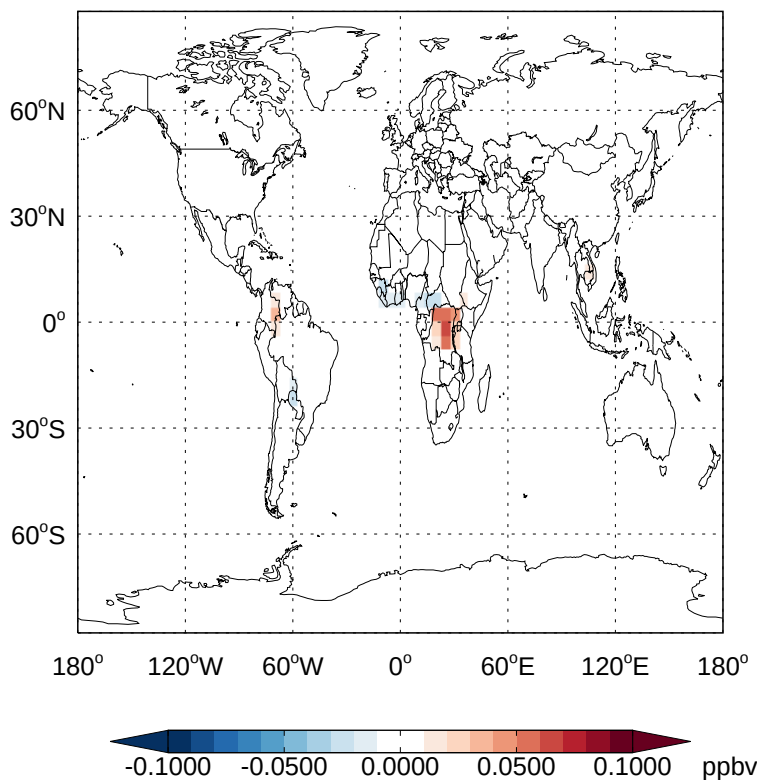
ISOA2- Diff @ 500 hPa for Jan



# GEOS-Chem Difference Maps at surface and 500 hPa

v11-02e-Run1 - v11-02e-Run0

ISOA3 - Diff @ Surface for Jan



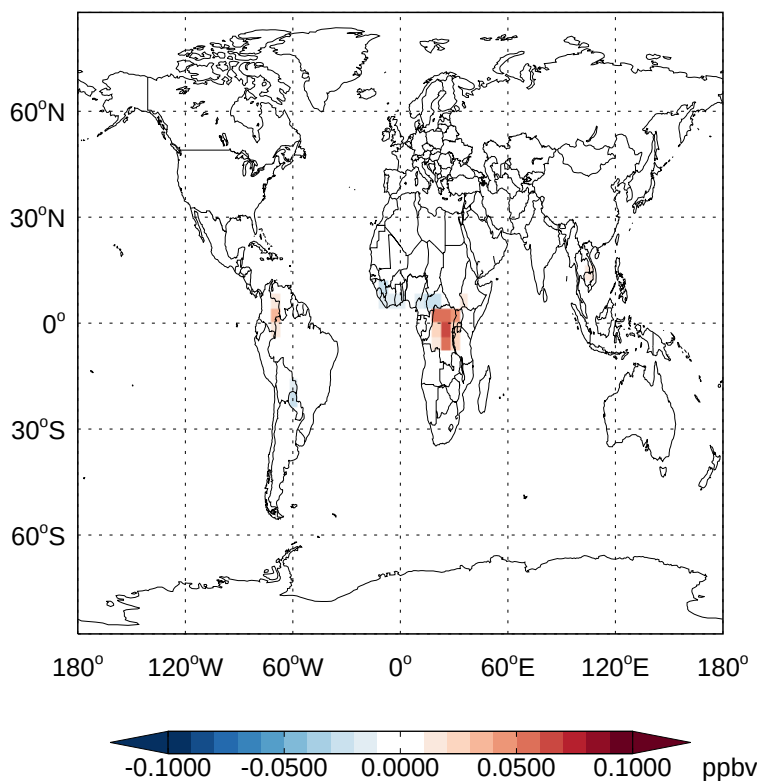
v11-02e-Run1 - v11-02e-Run0

ISOA3- Diff @ 500 hPa for Jan



v11-02e-Run1 - v11-02d-Run1

ISOA3 - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

ISOA3- Diff @ 500 hPa for Jan

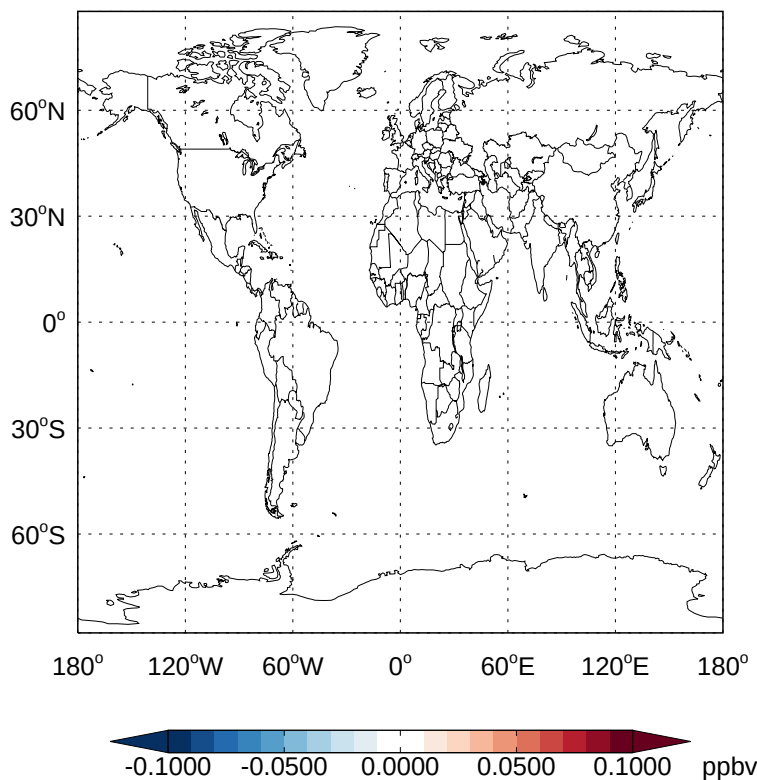




# GEOS-Chem Difference Maps at surface and 500 hPa

v11-02e-Run1 - v11-02e-Run0

ASOG1 - Diff @ Surface for Jan



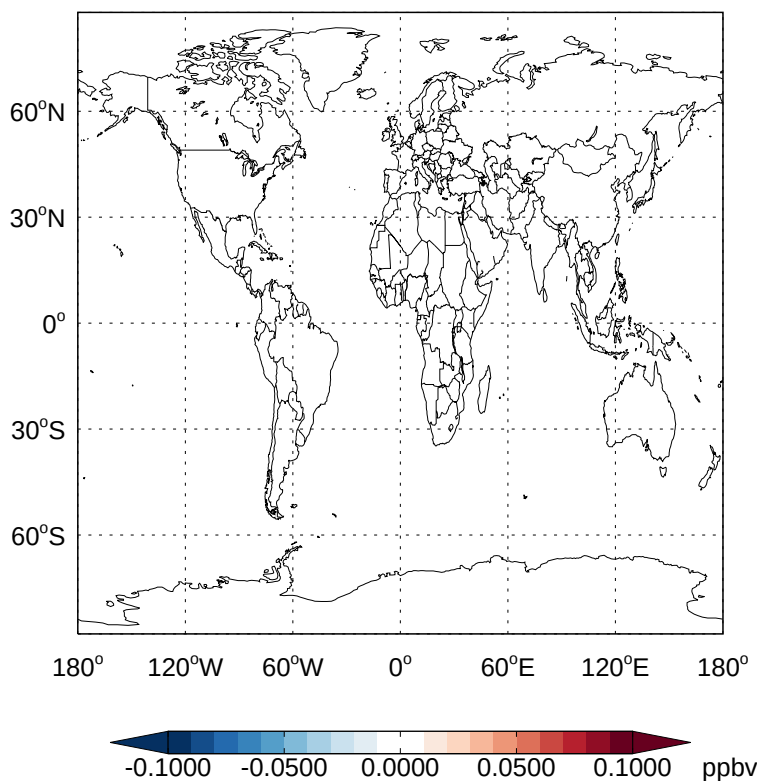
v11-02e-Run1 - v11-02e-Run0

ASOG1- Diff @ 500 hPa for Jan



v11-02e-Run1 - v11-02d-Run1

ASOG1 - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

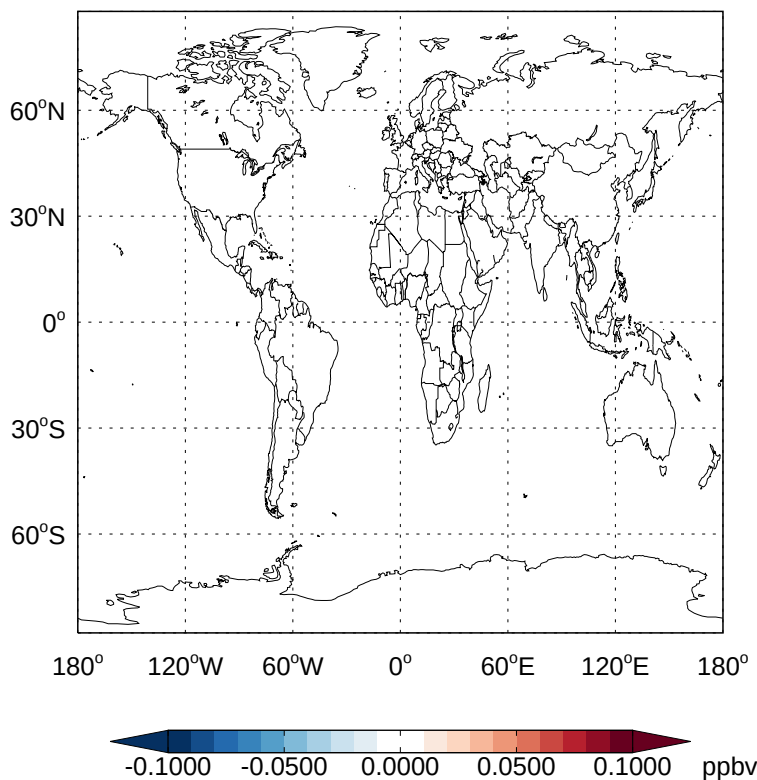
ASOG1- Diff @ 500 hPa for Jan



# GEOS-Chem Difference Maps at surface and 500 hPa

v11-02e-Run1 - v11-02e-Run0

ASOG2 - Diff @ Surface for Jan



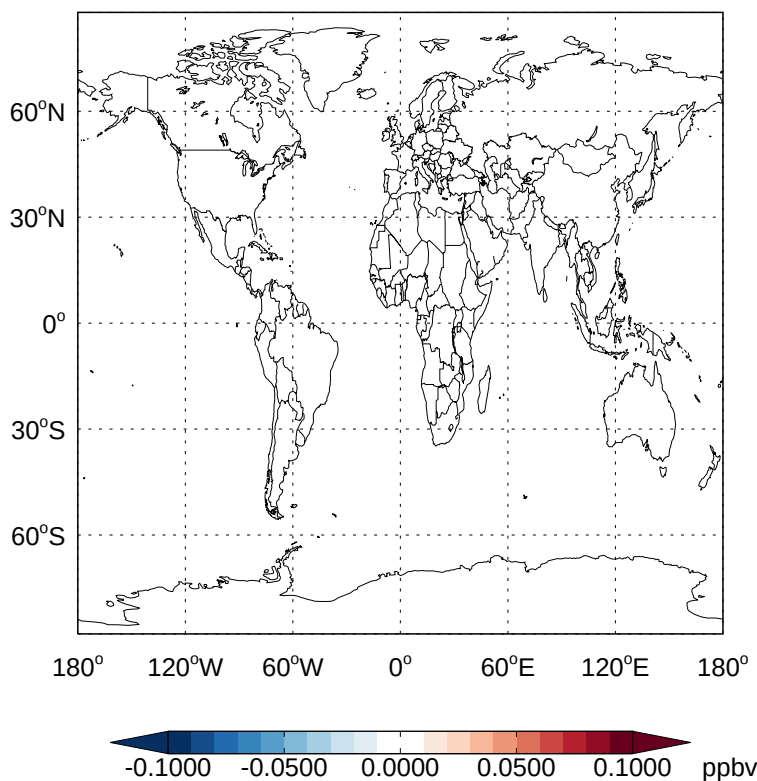
v11-02e-Run1 - v11-02e-Run0

ASOG2- Diff @ 500 hPa for Jan



v11-02e-Run1 - v11-02d-Run1

ASOG2 - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

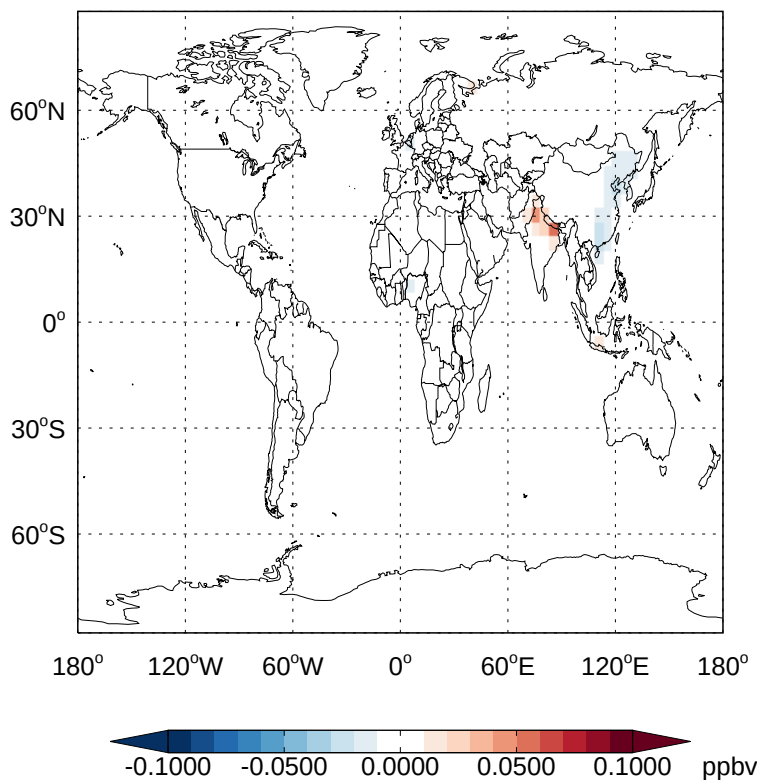
ASOG2- Diff @ 500 hPa for Jan



# GEOS-Chem Difference Maps at surface and 500 hPa

v11-02e-Run1 - v11-02e-Run0

ASOG3 - Diff @ Surface for Jan



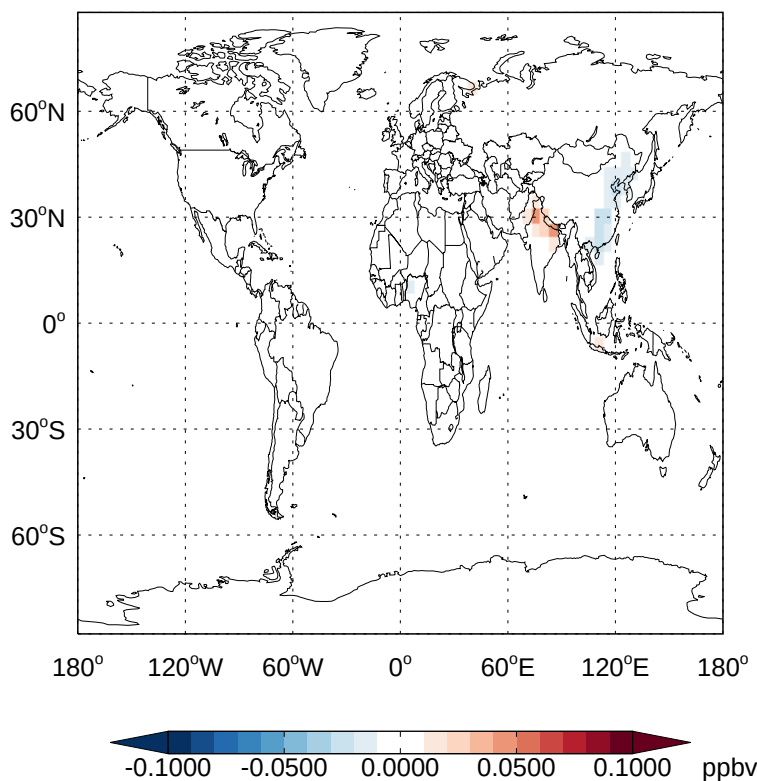
v11-02e-Run1 - v11-02e-Run0

ASOG3- Diff @ 500 hPa for Jan



v11-02e-Run1 - v11-02d-Run1

ASOG3 - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

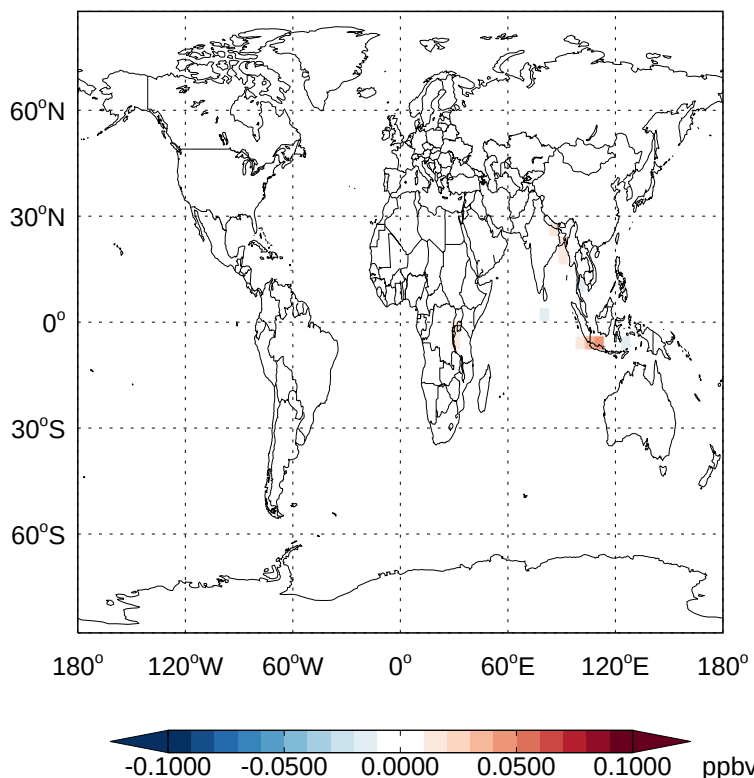
ASOG3- Diff @ 500 hPa for Jan



# GEOS-Chem Difference Maps at surface and 500 hPa

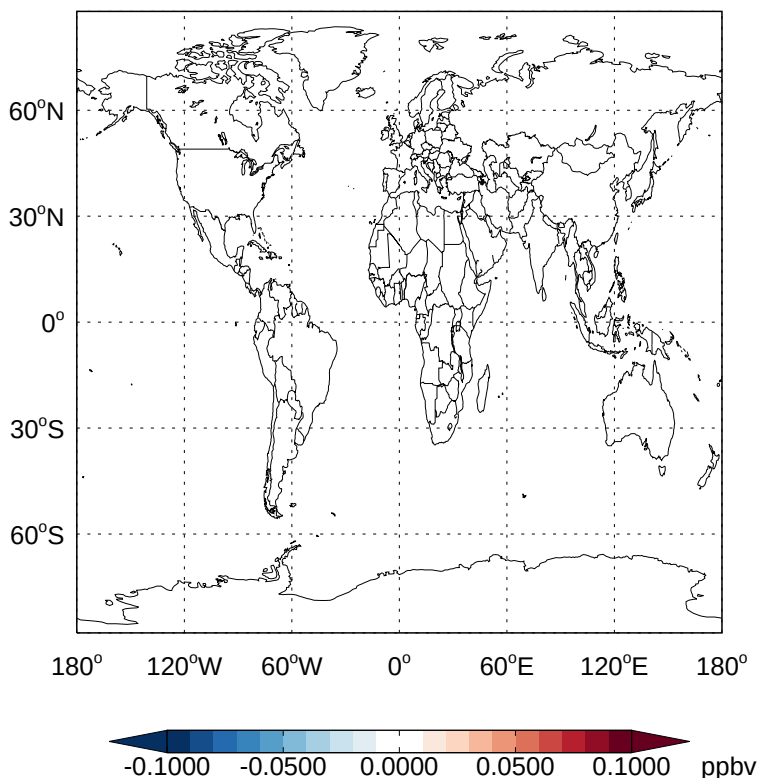
v11-02e-Run1 - v11-02e-Run0

ASOAN - Diff @ Surface for Jan



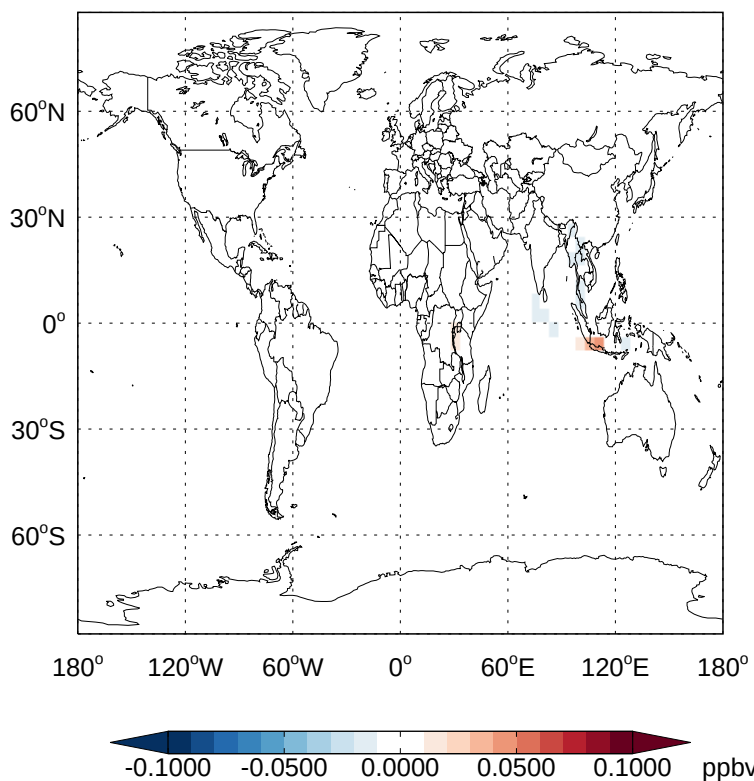
v11-02e-Run1 - v11-02e-Run0

ASOAN- Diff @ 500 hPa for Jan



v11-02e-Run1 - v11-02d-Run1

ASOAN - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

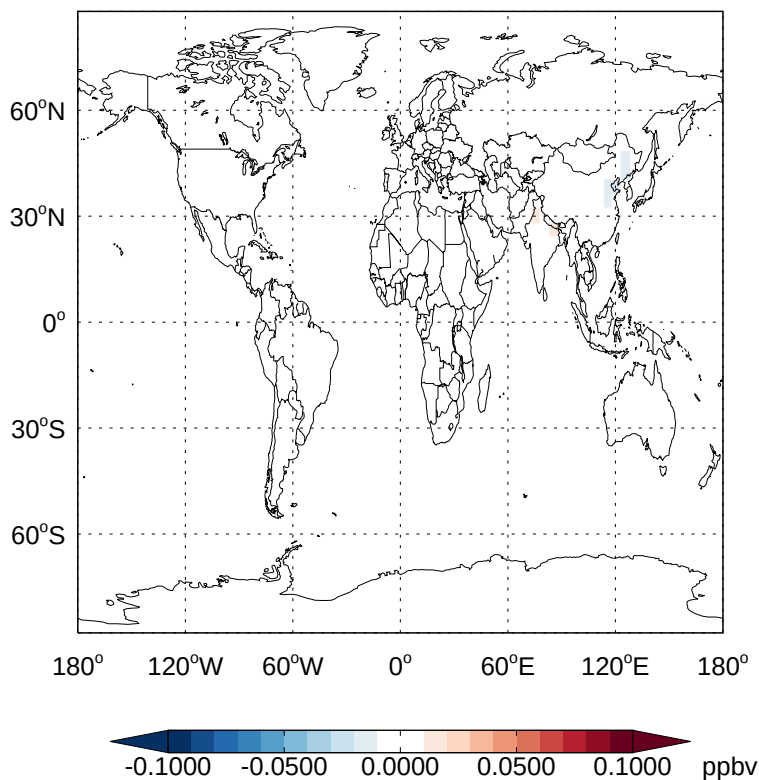
ASOAN- Diff @ 500 hPa for Jan



# GEOS-Chem Difference Maps at surface and 500 hPa

v11-02e-Run1 - v11-02e-Run0

ASOA1 - Diff @ Surface for Jan



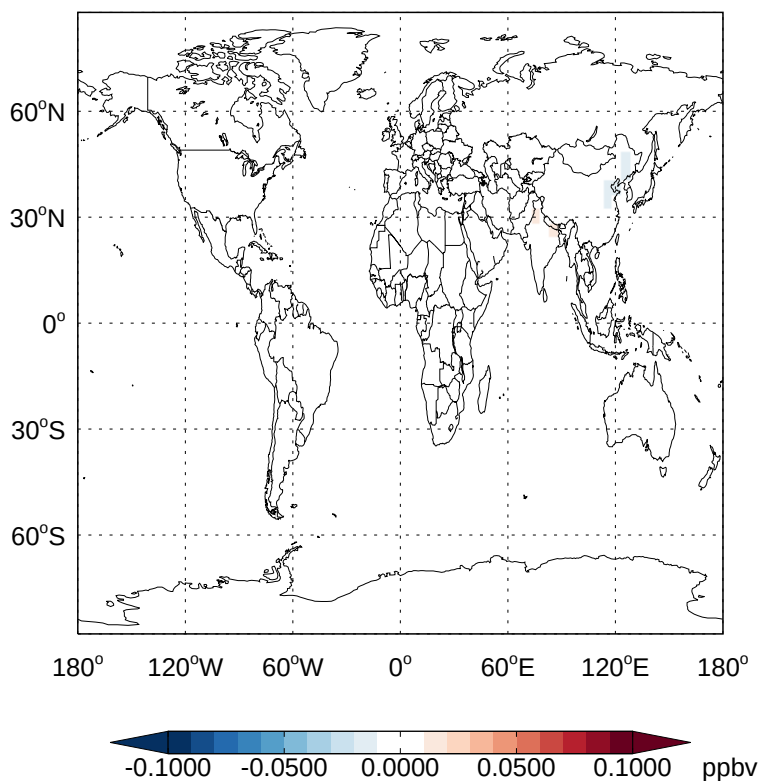
v11-02e-Run1 - v11-02e-Run0

ASOA1- Diff @ 500 hPa for Jan



v11-02e-Run1 - v11-02d-Run1

ASOA1 - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

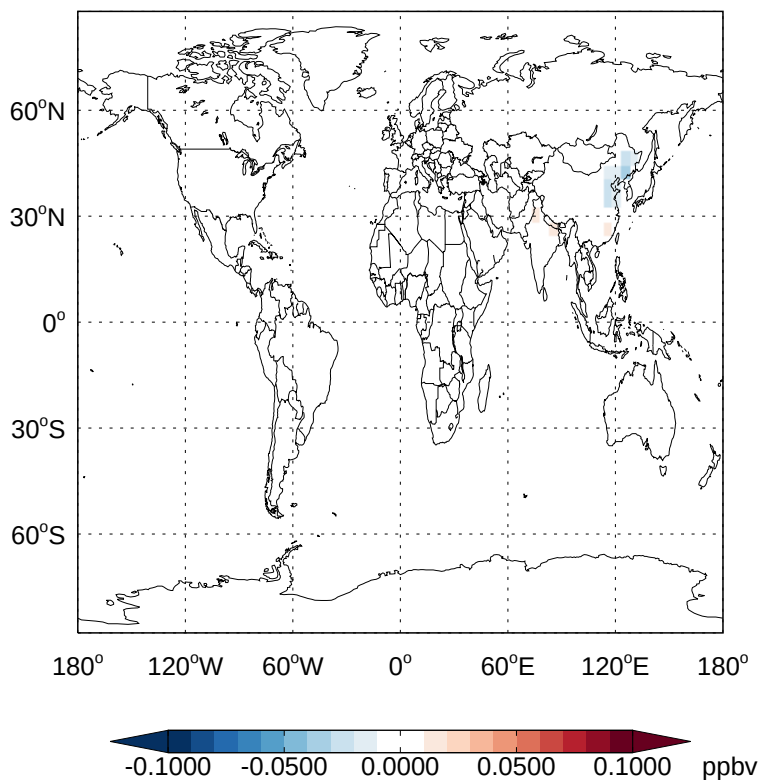
ASOA1- Diff @ 500 hPa for Jan



# GEOS-Chem Difference Maps at surface and 500 hPa

v11-02e-Run1 - v11-02e-Run0

ASOA2 - Diff @ Surface for Jan



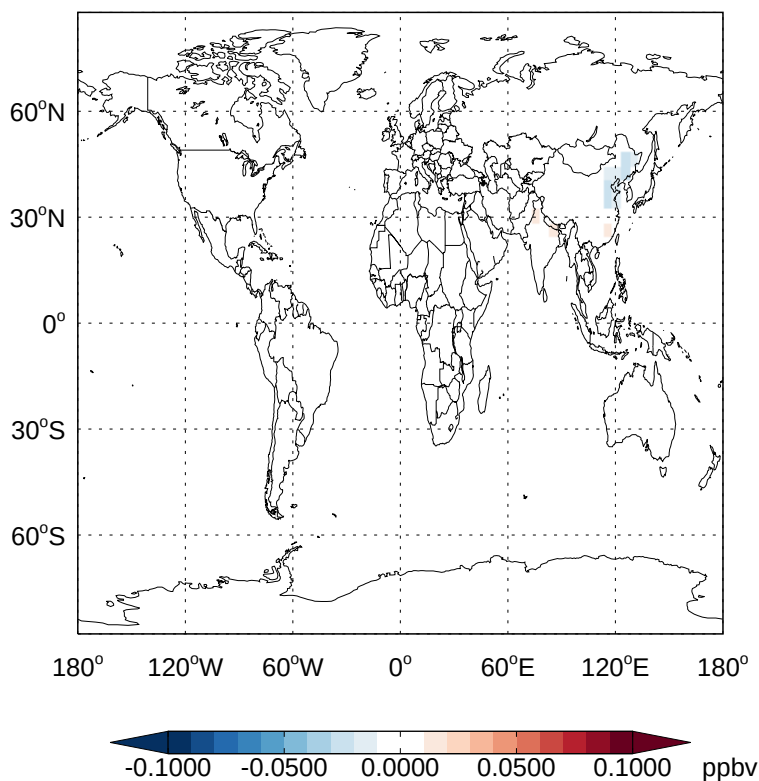
v11-02e-Run1 - v11-02e-Run0

ASOA2- Diff @ 500 hPa for Jan



v11-02e-Run1 - v11-02d-Run1

ASOA2 - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

ASOA2- Diff @ 500 hPa for Jan

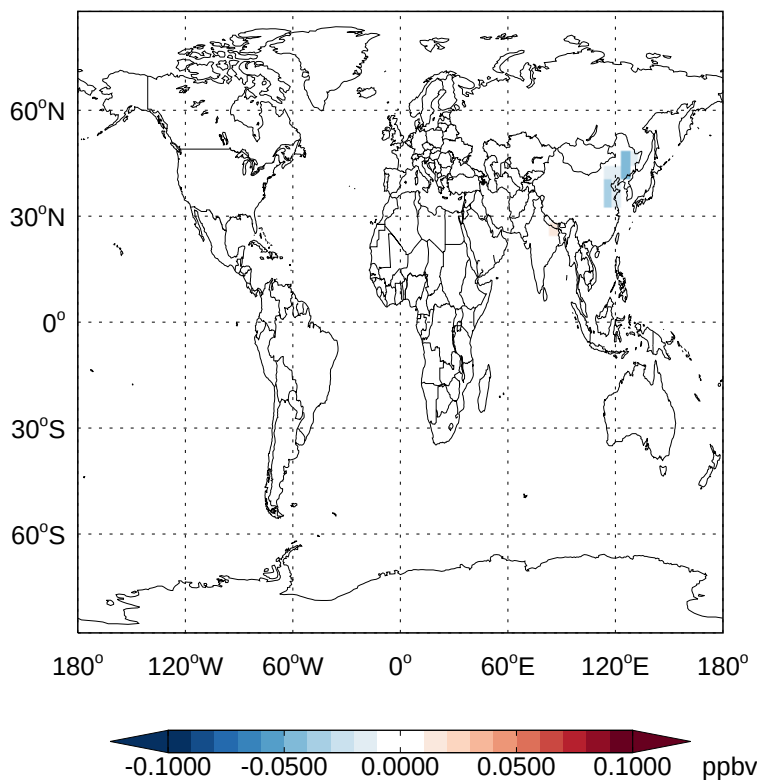




# GEOS-Chem Difference Maps at surface and 500 hPa

v11-02e-Run1 - v11-02e-Run0

ASOA3 - Diff @ Surface for Jan



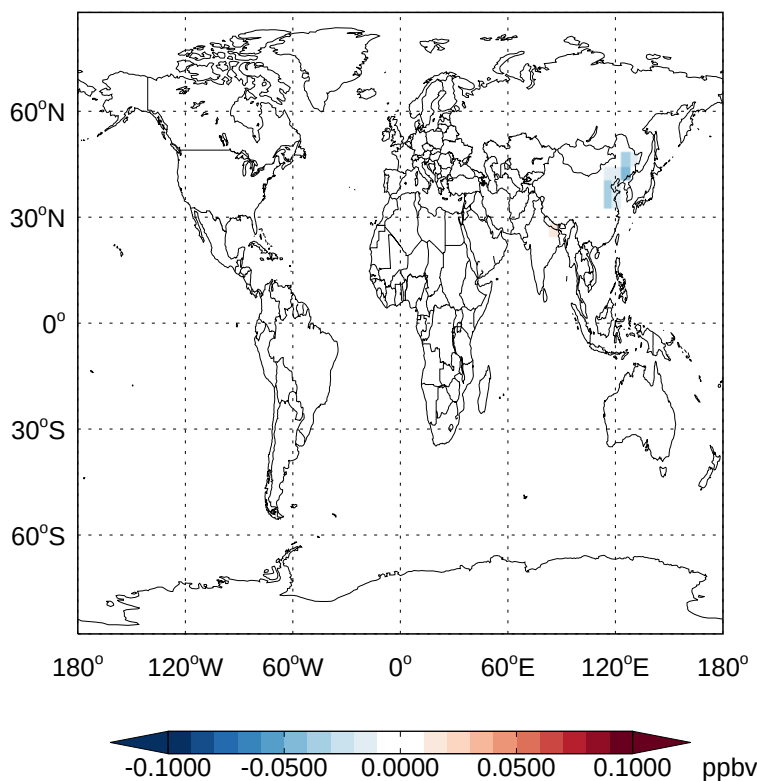
v11-02e-Run1 - v11-02e-Run0

ASOA3- Diff @ 500 hPa for Jan



v11-02e-Run1 - v11-02d-Run1

ASOA3 - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

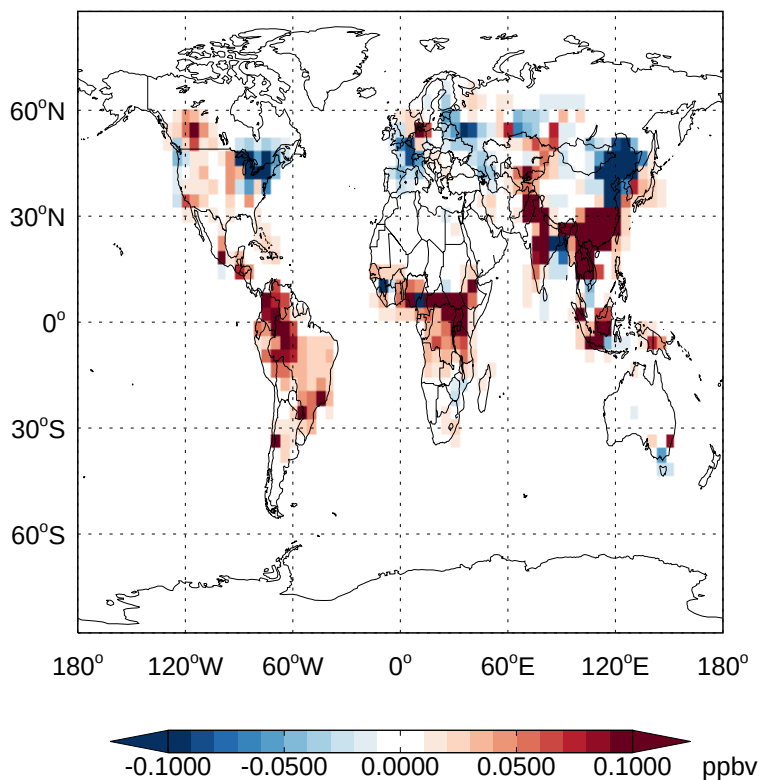
ASOA3- Diff @ 500 hPa for Jan



## GEOS-Chem Difference Maps at surface and 500 hPa

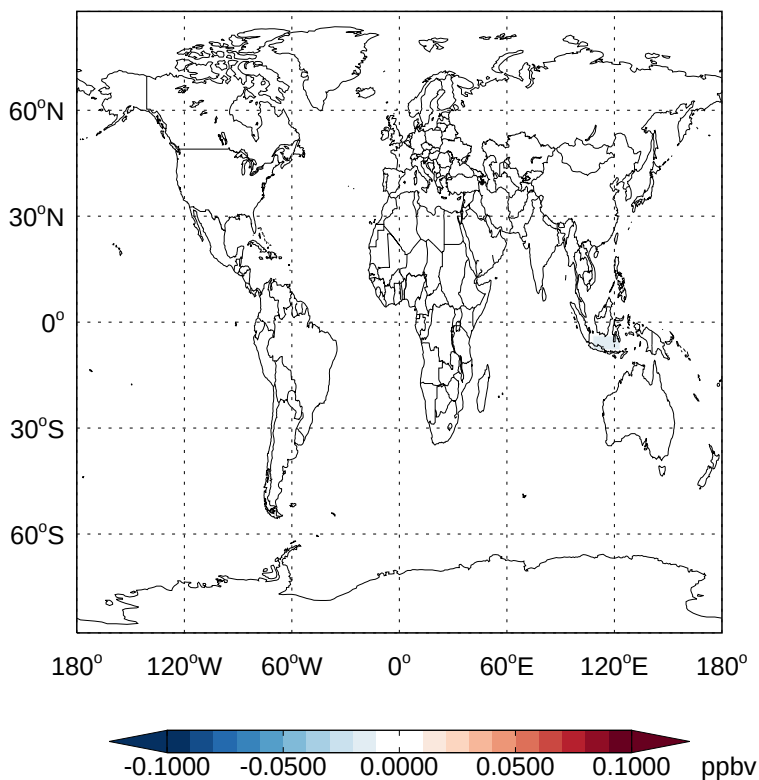
v11-02e-Run1 - v11-02e-Run0

SOAP - Diff @ Surface for Jan



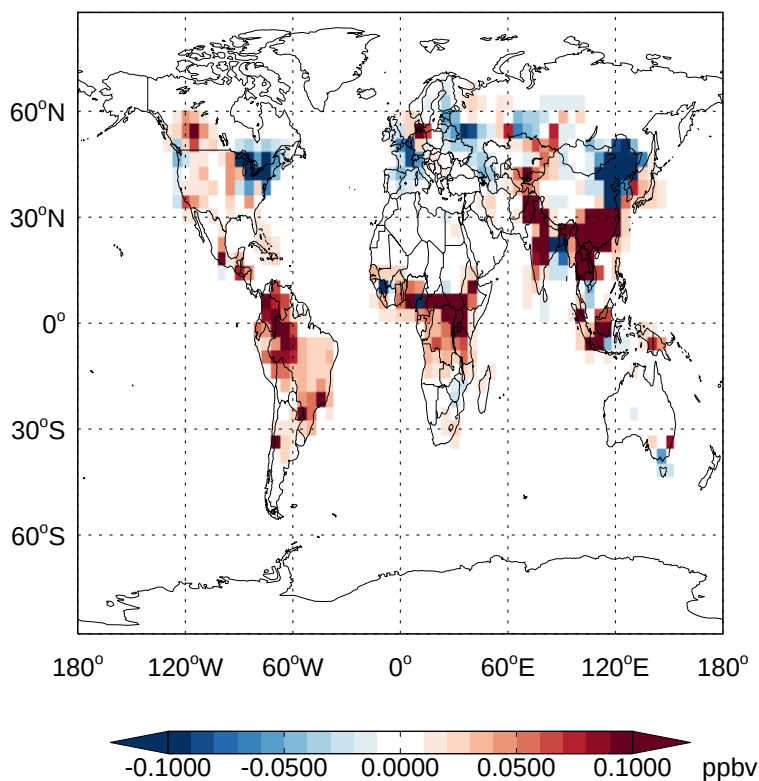
v11-02e-Run1 - v11-02e-Run0

SOAP- Diff @ 500 hPa for Jan



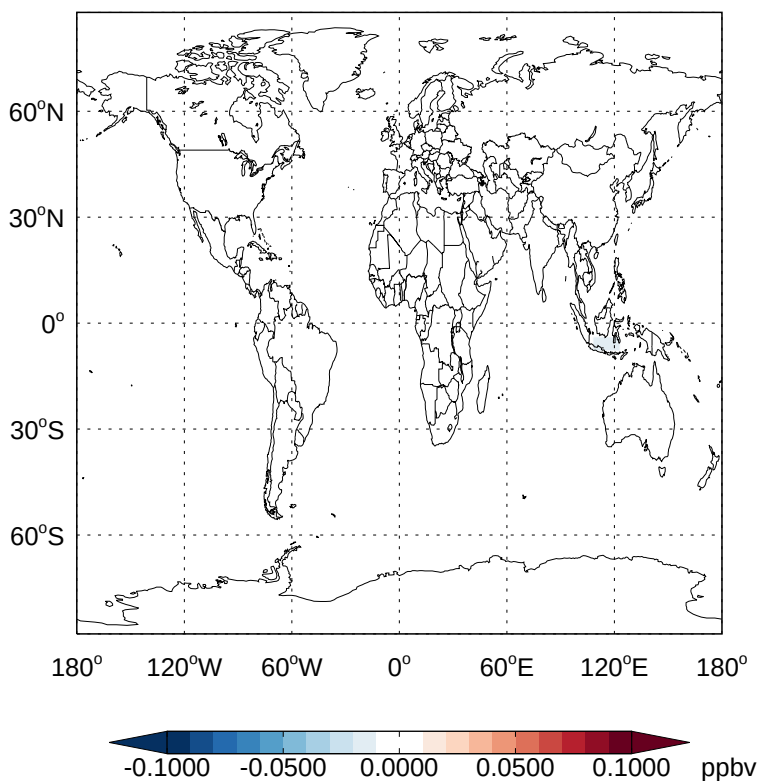
v11-02e-Run1 - v11-02d-Run1

SOAP - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

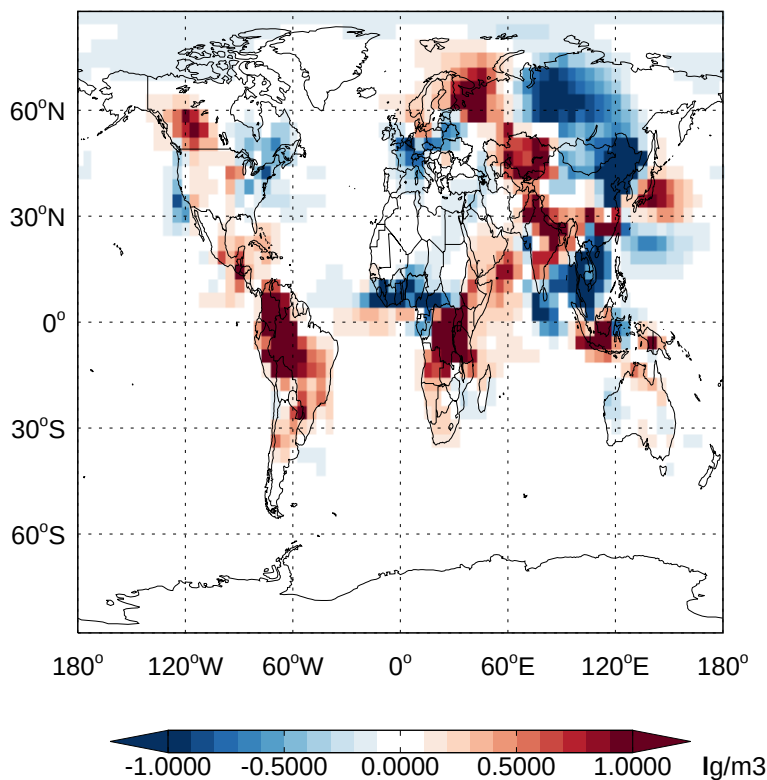
SOAP- Diff @ 500 hPa for Jan



# GEOS-Chem Difference Maps at surface and 500 hPa

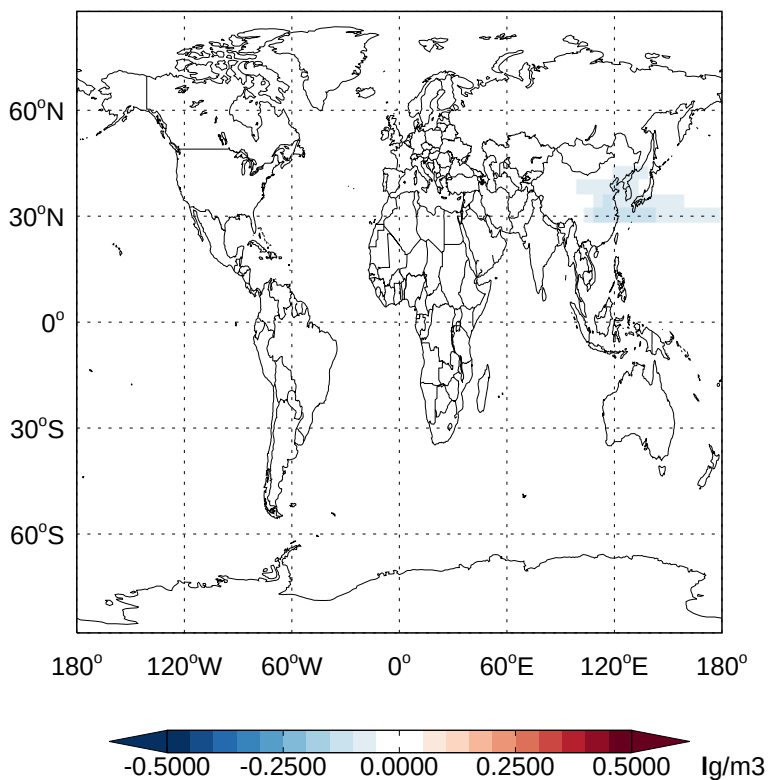
v11-02e-Run1 - v11-02e-Run0

SOAS - Diff @ Surface for Jan



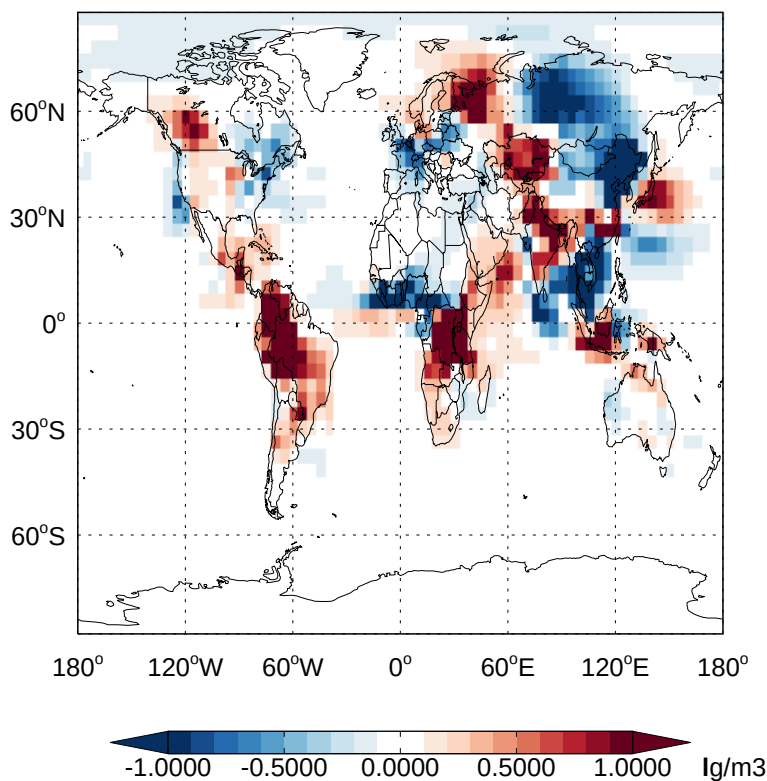
v11-02e-Run1 - v11-02e-Run0

SOAS- Diff @ 500 hPa for Jan



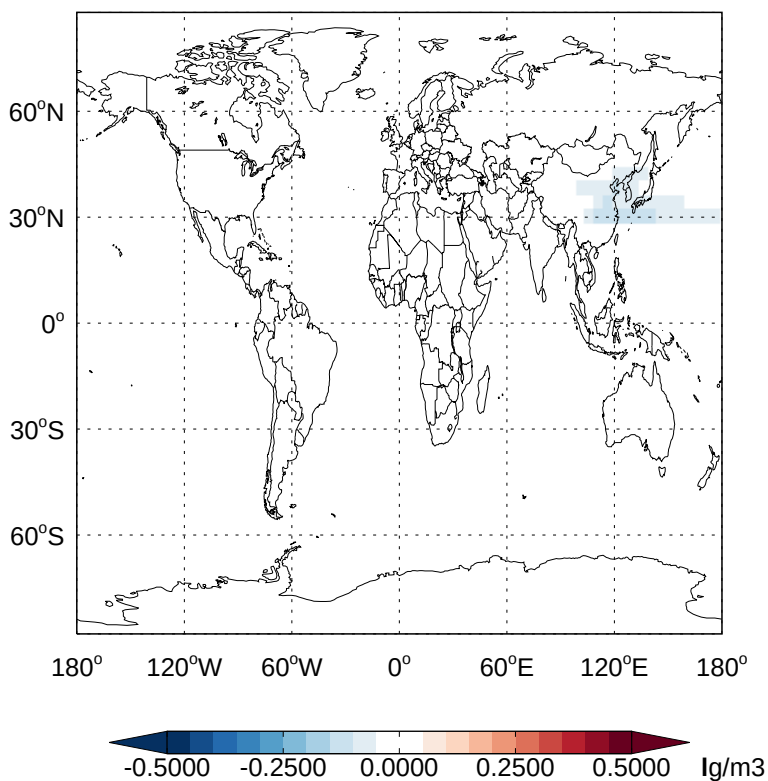
v11-02e-Run1 - v11-02d-Run1

SOAS - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

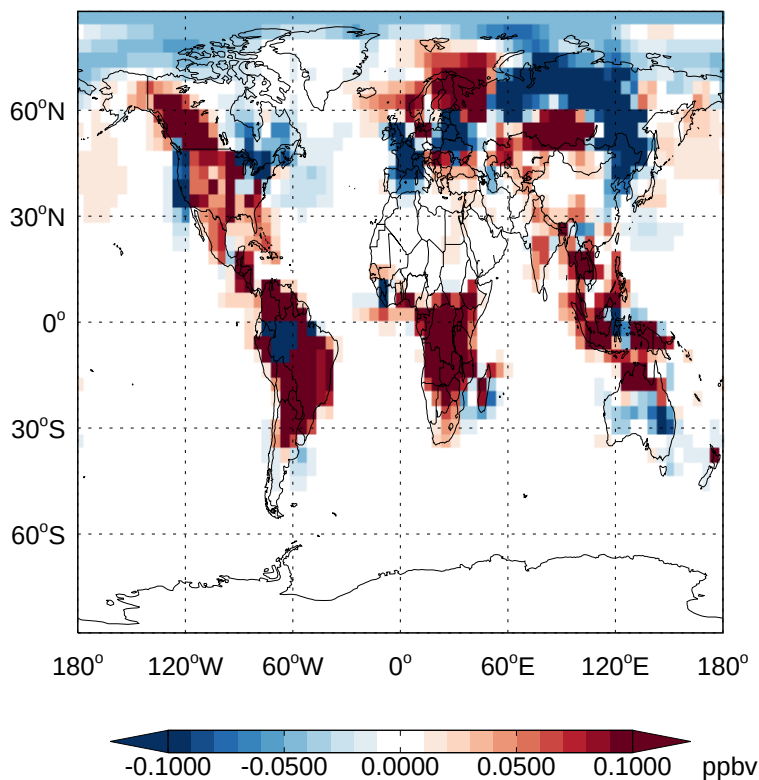
SOAS- Diff @ 500 hPa for Jan



# GEOS-Chem Difference Maps at surface and 500 hPa

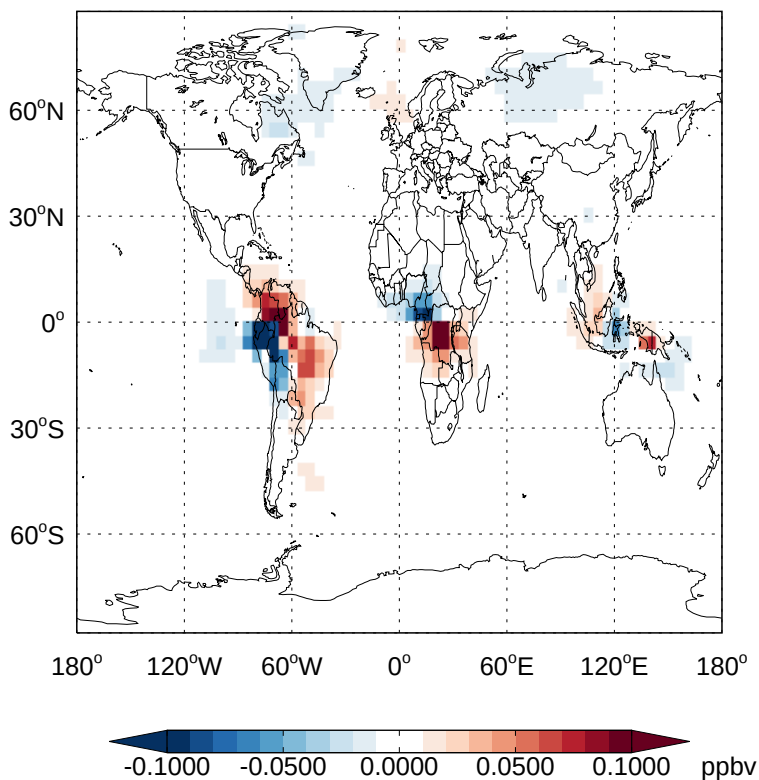
v11-02e-Run1 - v11-02e-Run0

EOH - Diff @ Surface for Jan



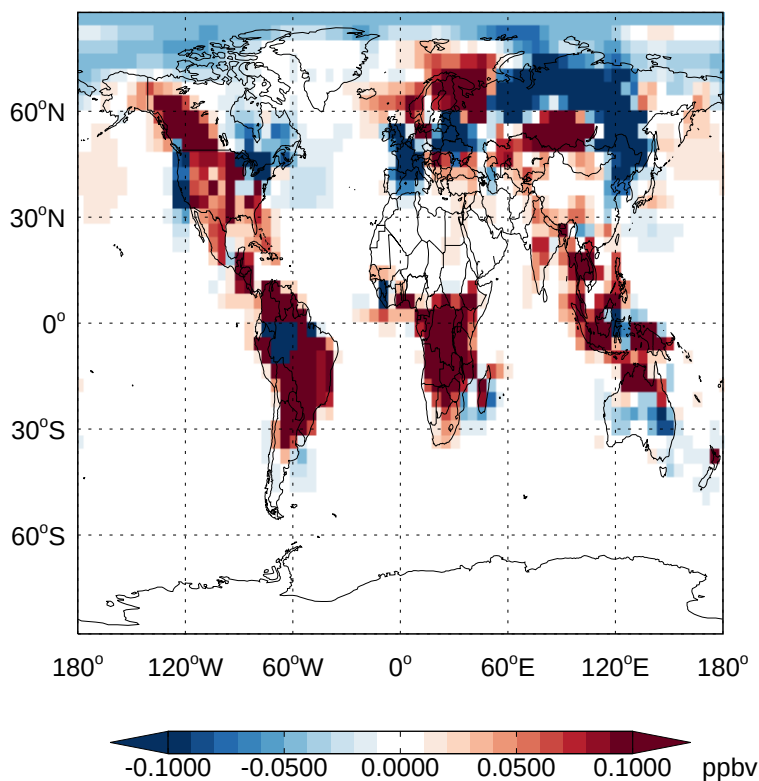
v11-02e-Run1 - v11-02e-Run0

EOH- Diff @ 500 hPa for Jan



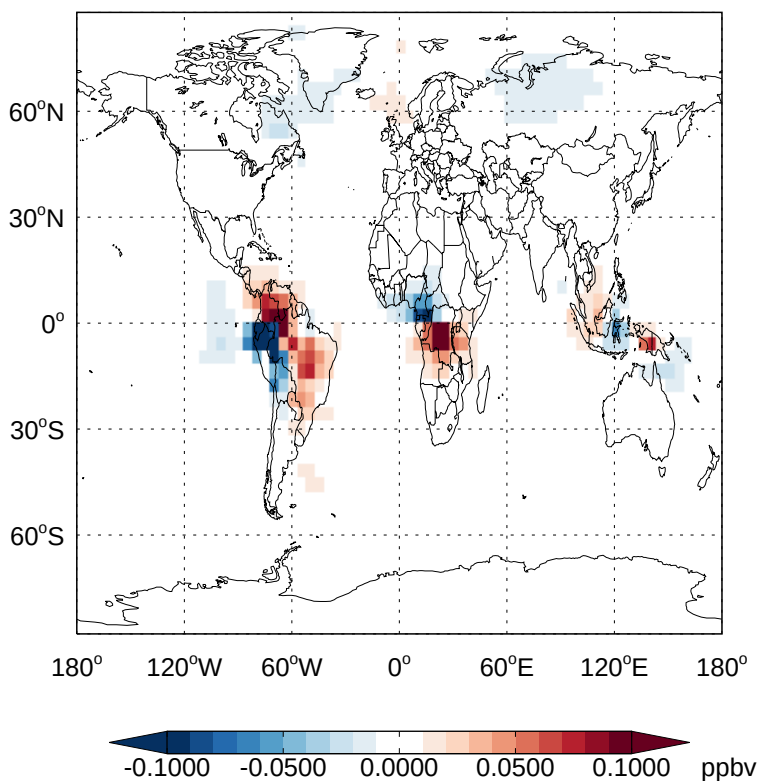
v11-02e-Run1 - v11-02d-Run1

EOH - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

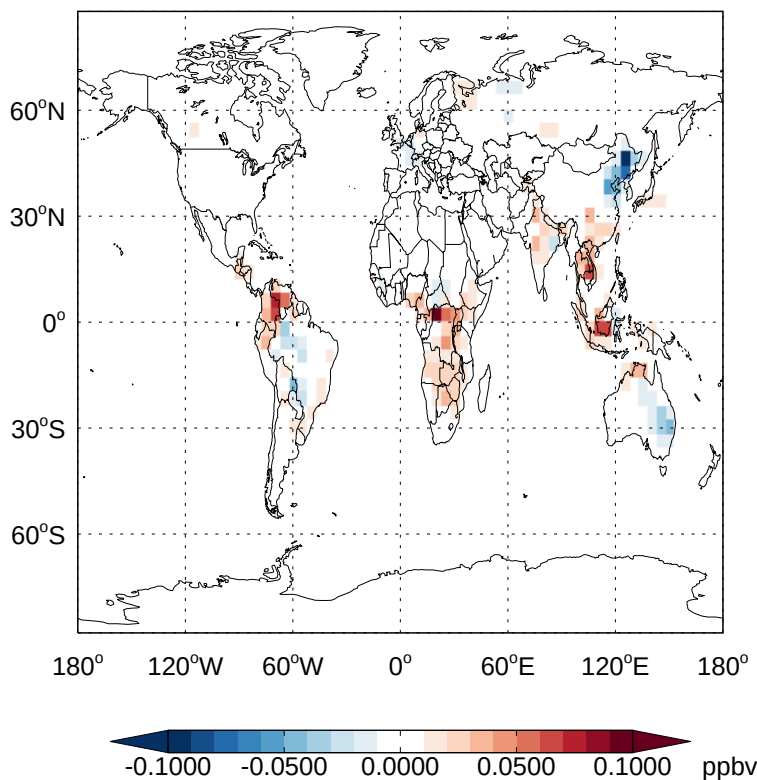
EOH- Diff @ 500 hPa for Jan



# GEOS-Chem Difference Maps at surface and 500 hPa

v11-02e-Run1 - v11-02e-Run0

MGLY - Diff @ Surface for Jan



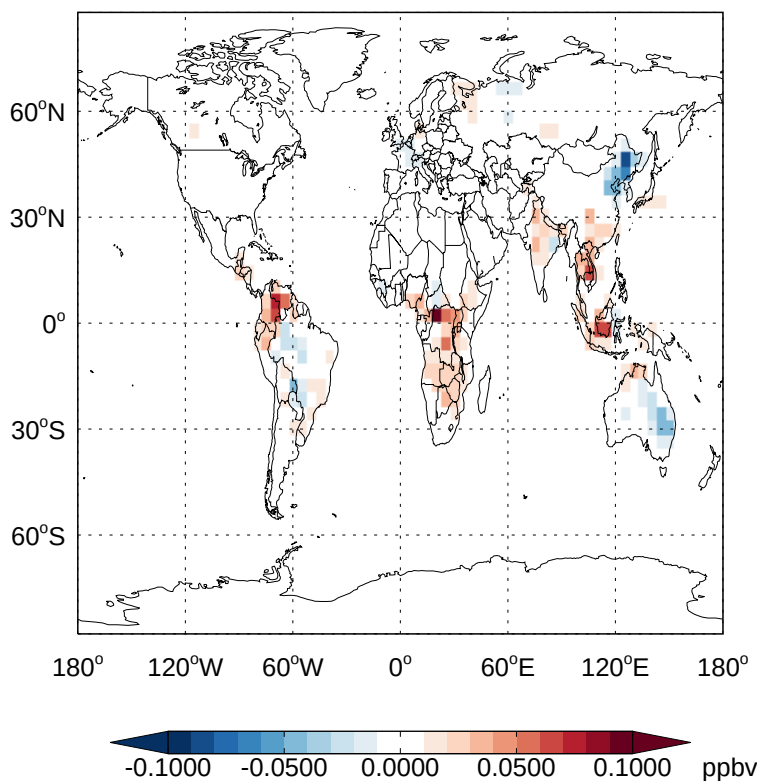
v11-02e-Run1 - v11-02e-Run0

MGLY- Diff @ 500 hPa for Jan



v11-02e-Run1 - v11-02d-Run1

MGLY - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

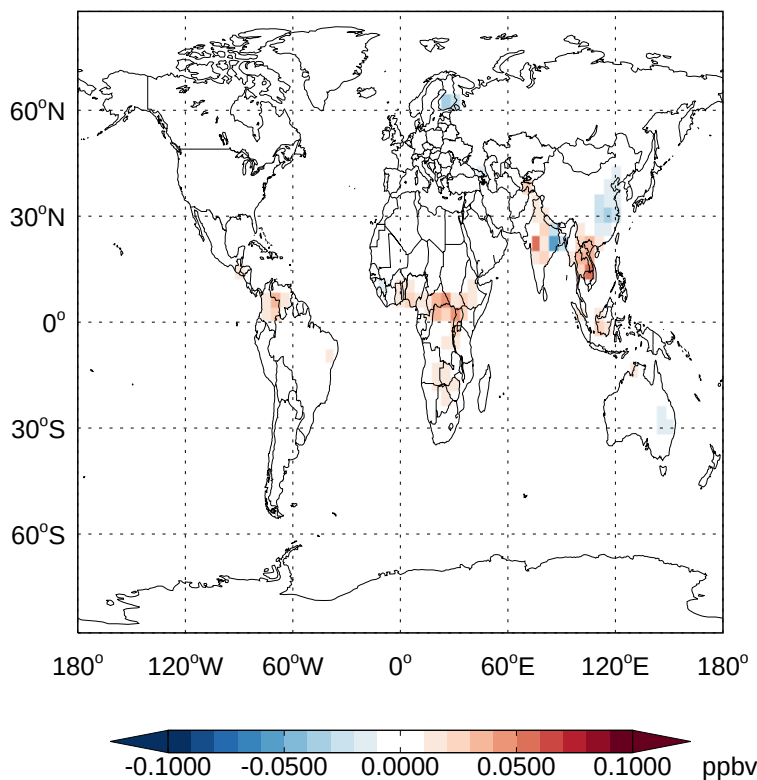
MGLY- Diff @ 500 hPa for Jan



# GEOS-Chem Difference Maps at surface and 500 hPa

v11-02e-Run1 - v11-02e-Run0

GLYX - Diff @ Surface for Jan



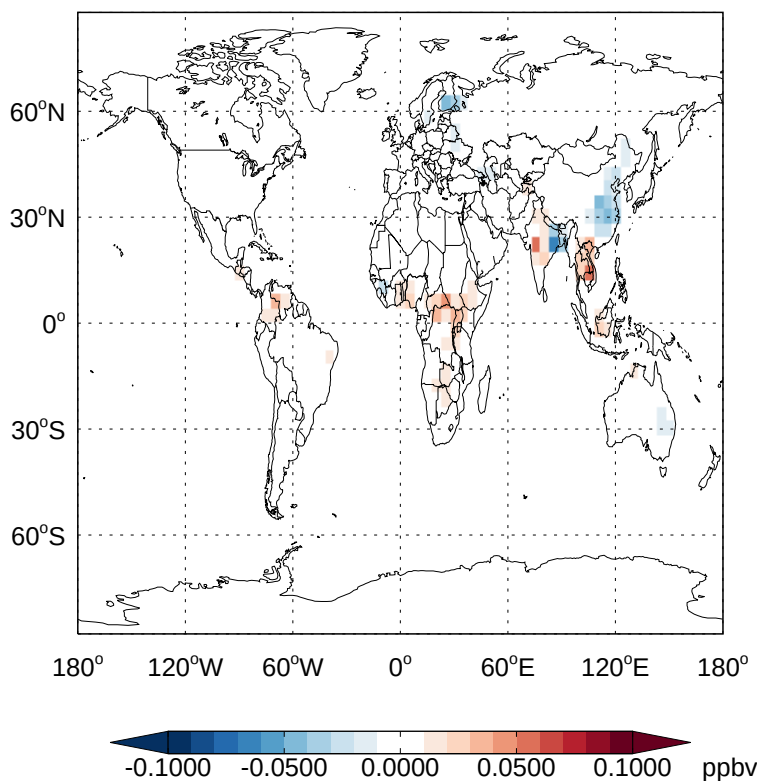
v11-02e-Run1 - v11-02e-Run0

GLYX- Diff @ 500 hPa for Jan



v11-02e-Run1 - v11-02d-Run1

GLYX - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

GLYX- Diff @ 500 hPa for Jan

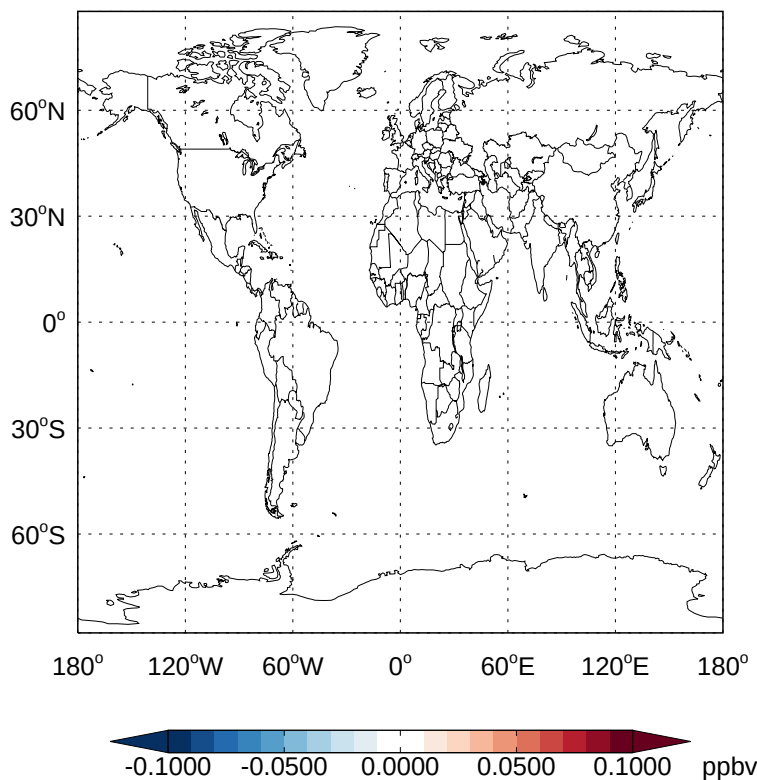




# GEOS-Chem Difference Maps at surface and 500 hPa

v11-02e-Run1 - v11-02e-Run0

ACTA - Diff @ Surface for Jan



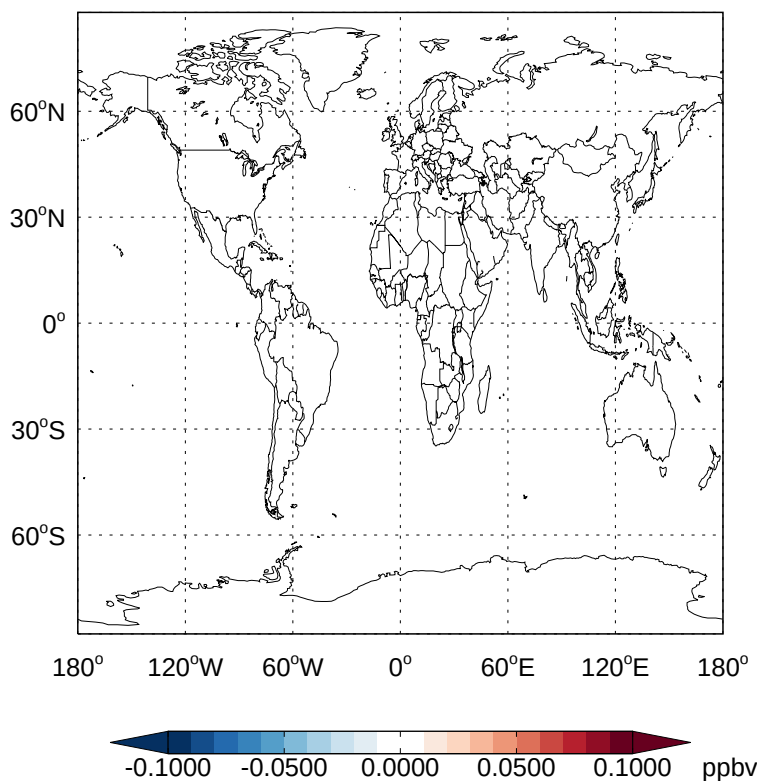
v11-02e-Run1 - v11-02e-Run0

ACTA- Diff @ 500 hPa for Jan



v11-02e-Run1 - v11-02d-Run1

ACTA - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

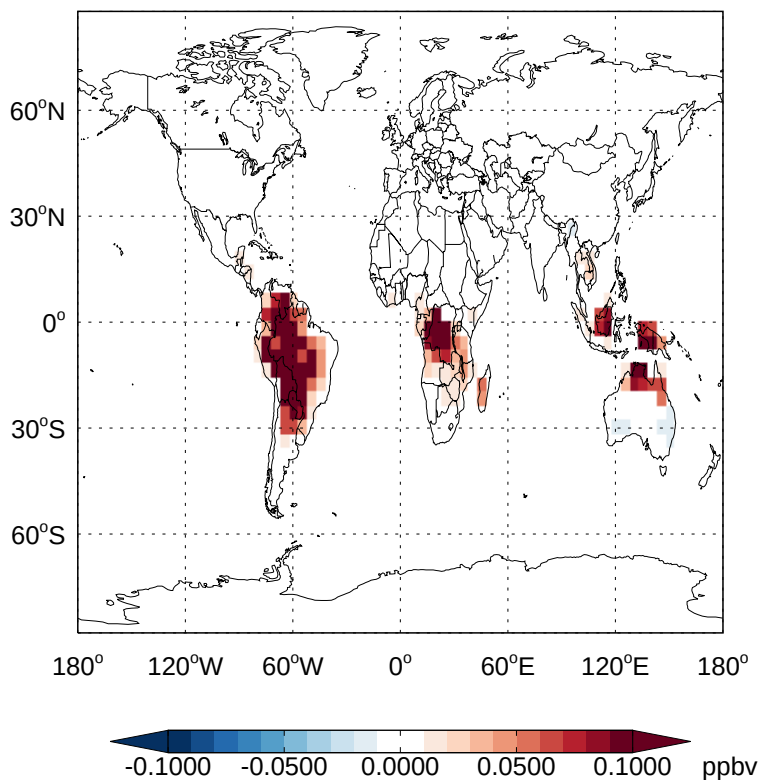
ACTA- Diff @ 500 hPa for Jan



# GEOS-Chem Difference Maps at surface and 500 hPa

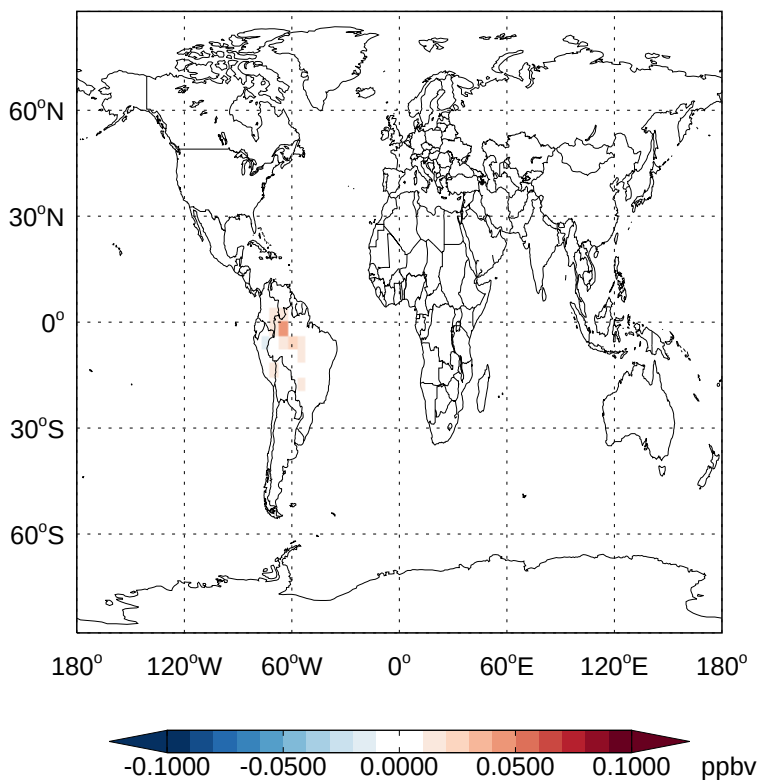
v11-02e-Run1 - v11-02e-Run0

HPALD - Diff @ Surface for Jan



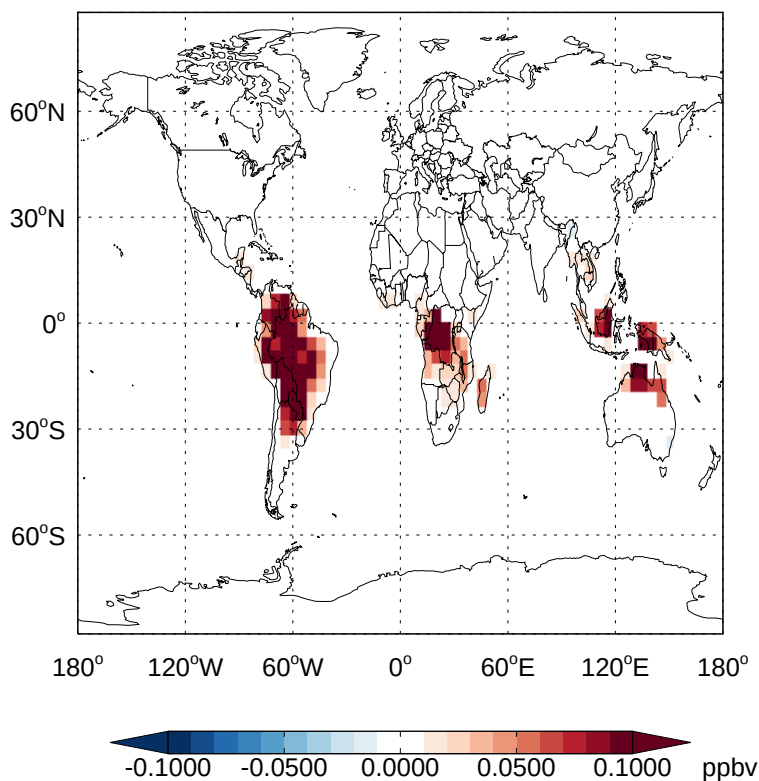
v11-02e-Run1 - v11-02e-Run0

HPALD- Diff @ 500 hPa for Jan



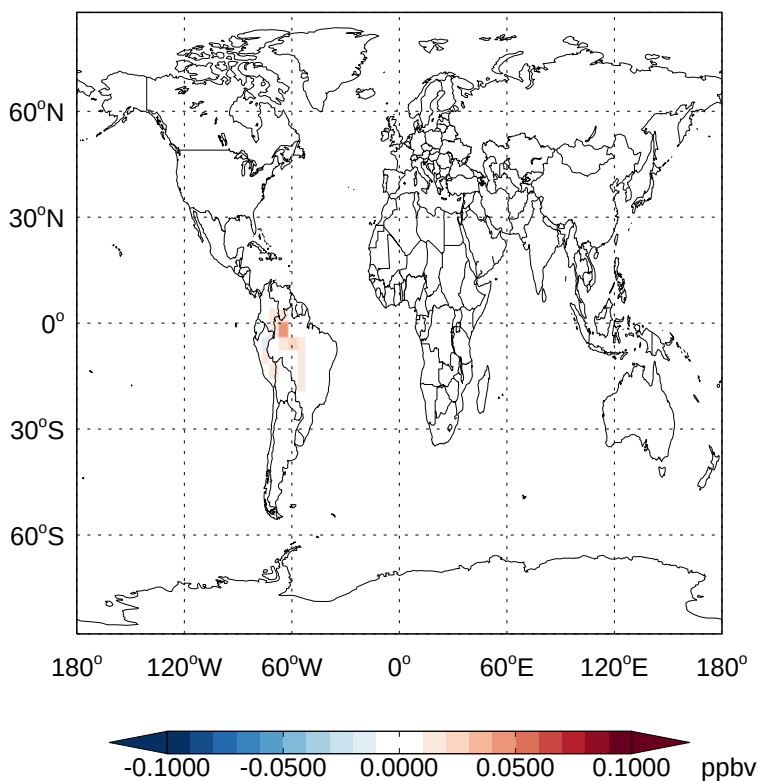
v11-02e-Run1 - v11-02d-Run1

HPALD - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

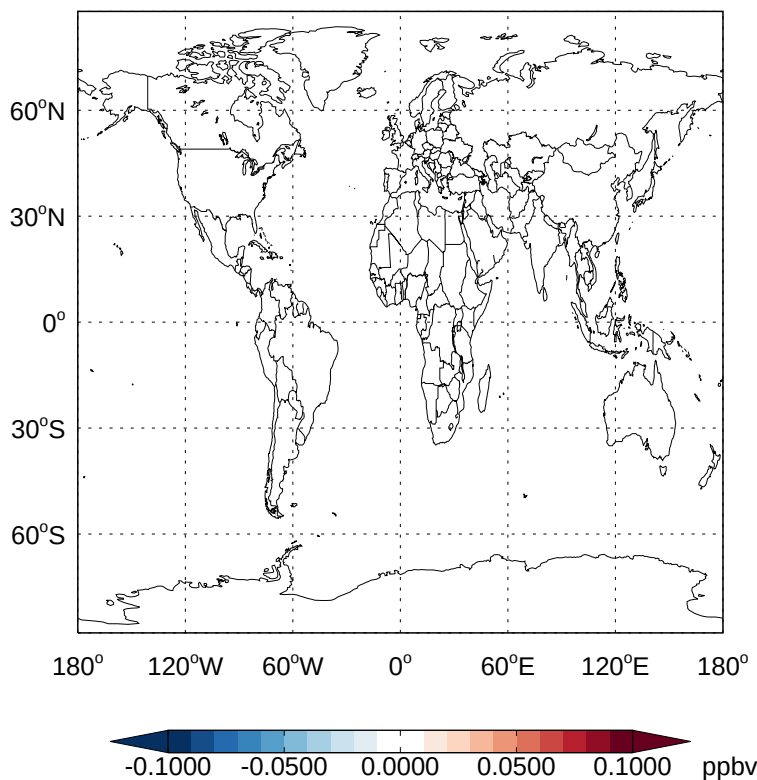
HPALD- Diff @ 500 hPa for Jan



# GEOS-Chem Difference Maps at surface and 500 hPa

v11-02e-Run1 - v11-02e-Run0

DHDN - Diff @ Surface for Jan



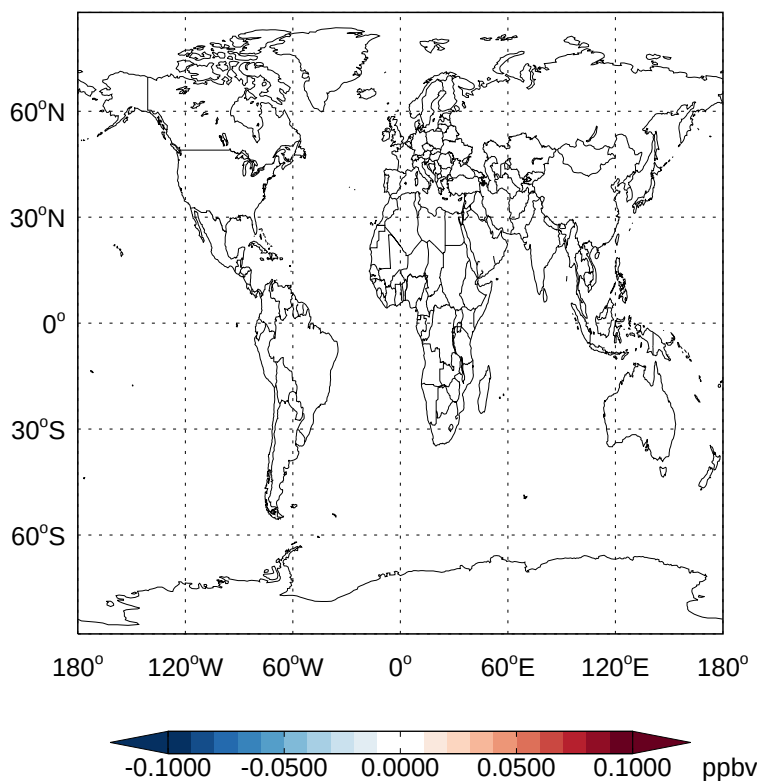
v11-02e-Run1 - v11-02e-Run0

DHDN- Diff @ 500 hPa for Jan



v11-02e-Run1 - v11-02d-Run1

DHDN - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

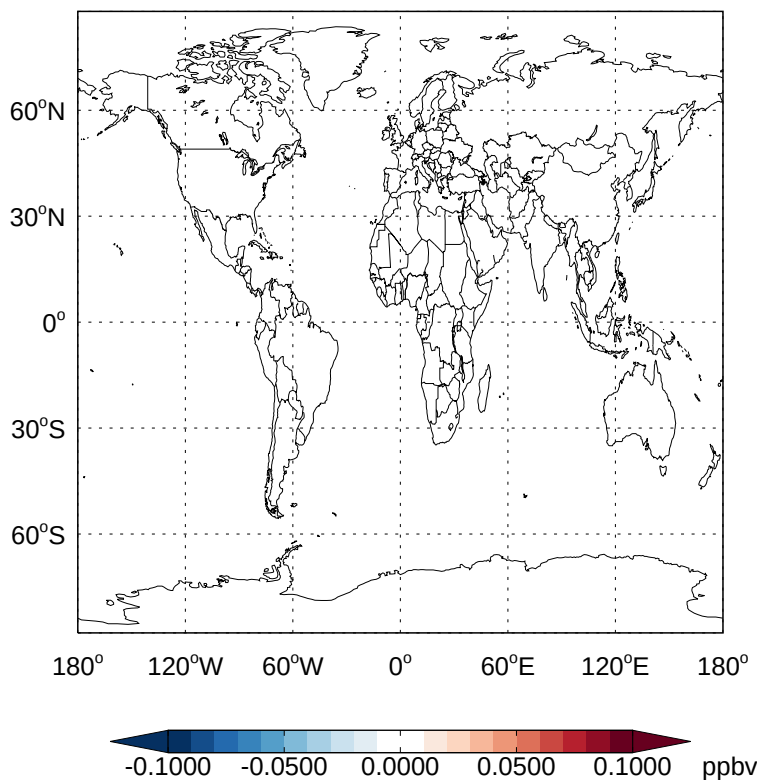
DHDN- Diff @ 500 hPa for Jan



# GEOS-Chem Difference Maps at surface and 500 hPa

v11-02e-Run1 - v11-02e-Run0

ETHLN - Diff @ Surface for Jan



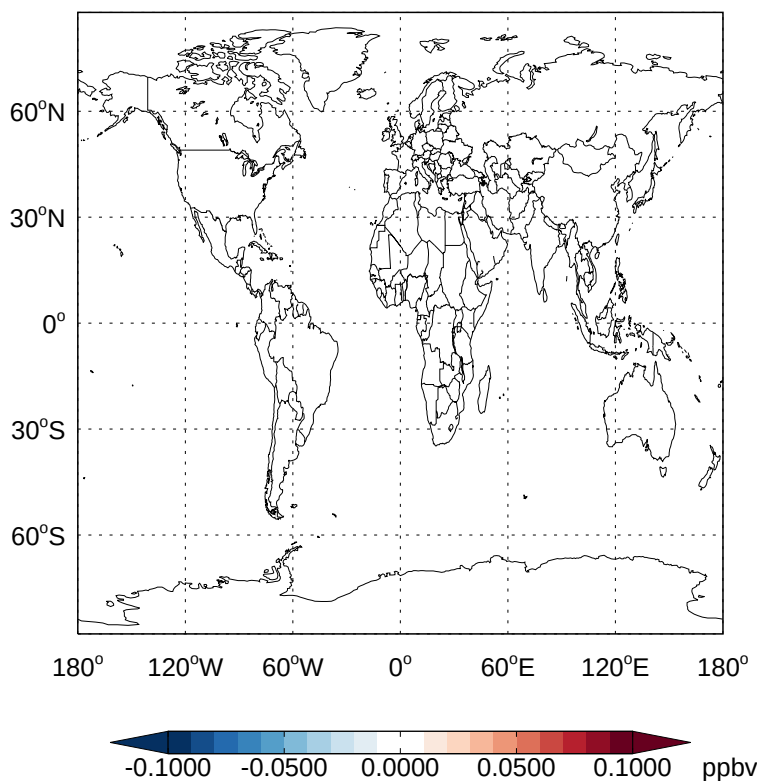
v11-02e-Run1 - v11-02e-Run0

ETHLN- Diff @ 500 hPa for Jan



v11-02e-Run1 - v11-02d-Run1

ETHLN - Diff @ Surface for Jan



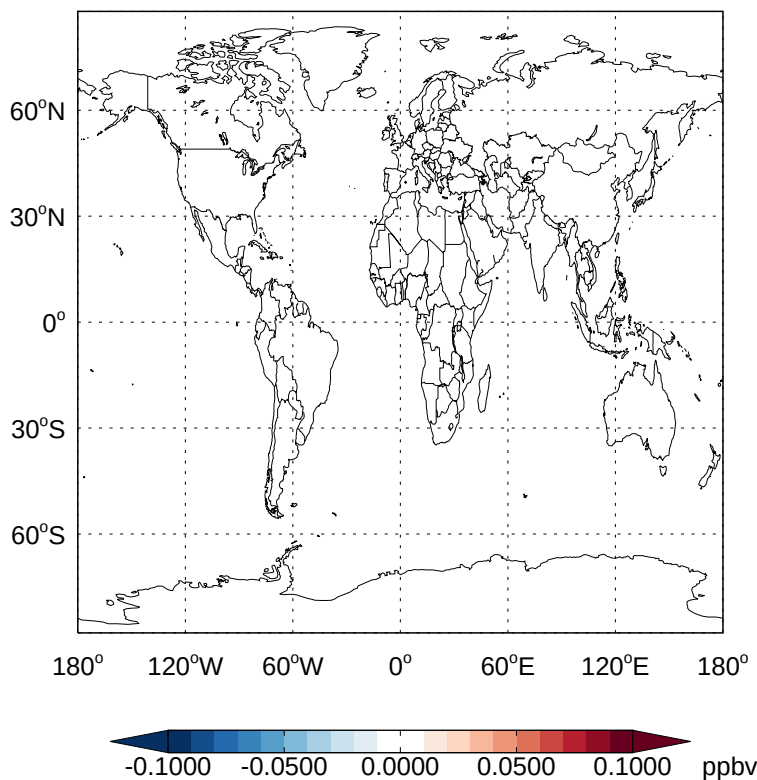
v11-02e-Run1 - v11-02d-Run1

ETHLN- Diff @ 500 hPa for Jan

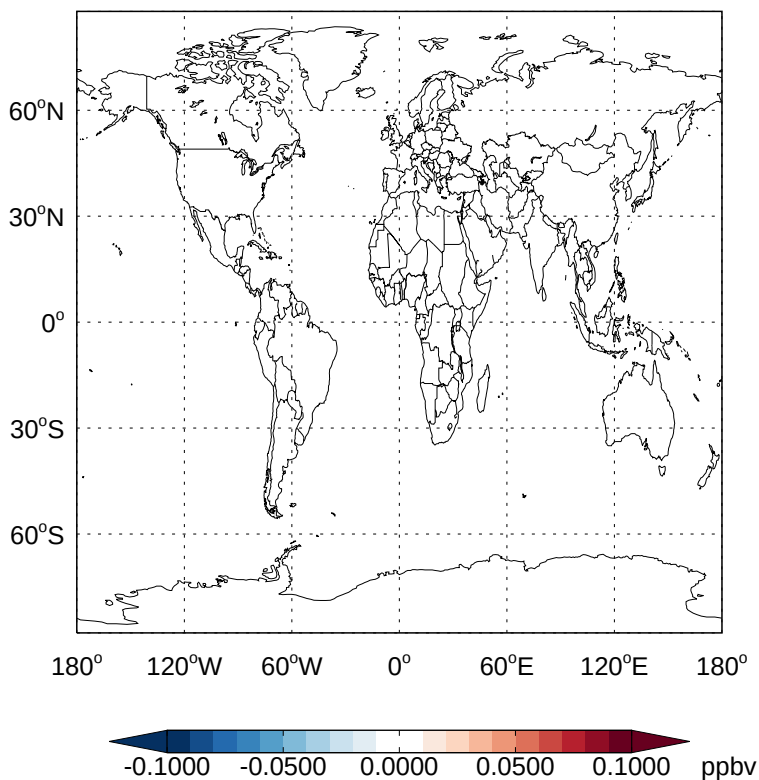


# GEOS-Chem Difference Maps at surface and 500 hPa

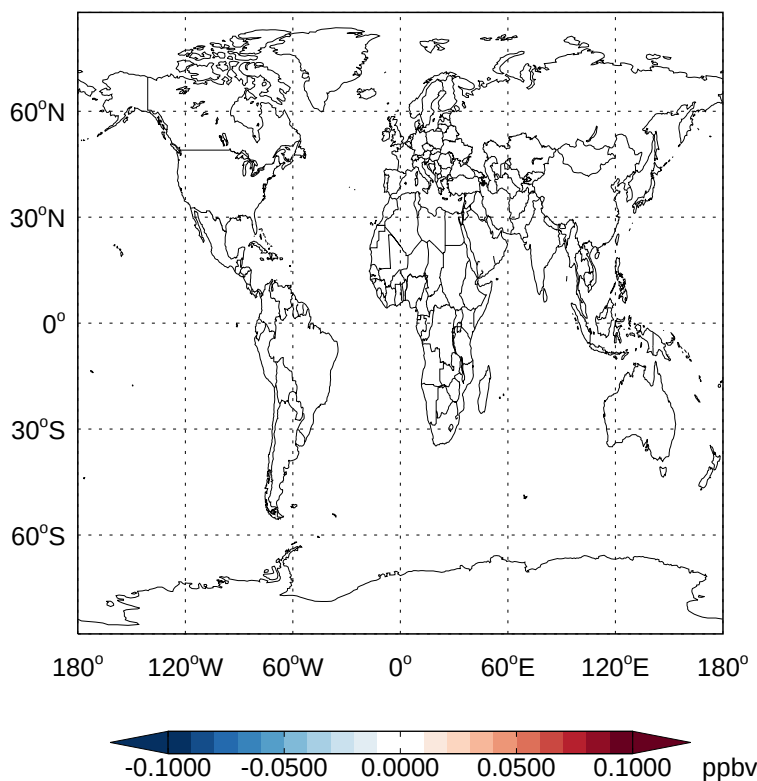
v11-02e-Run1 - v11-02e-Run0  
HCOOH - Diff @ Surface for Jan



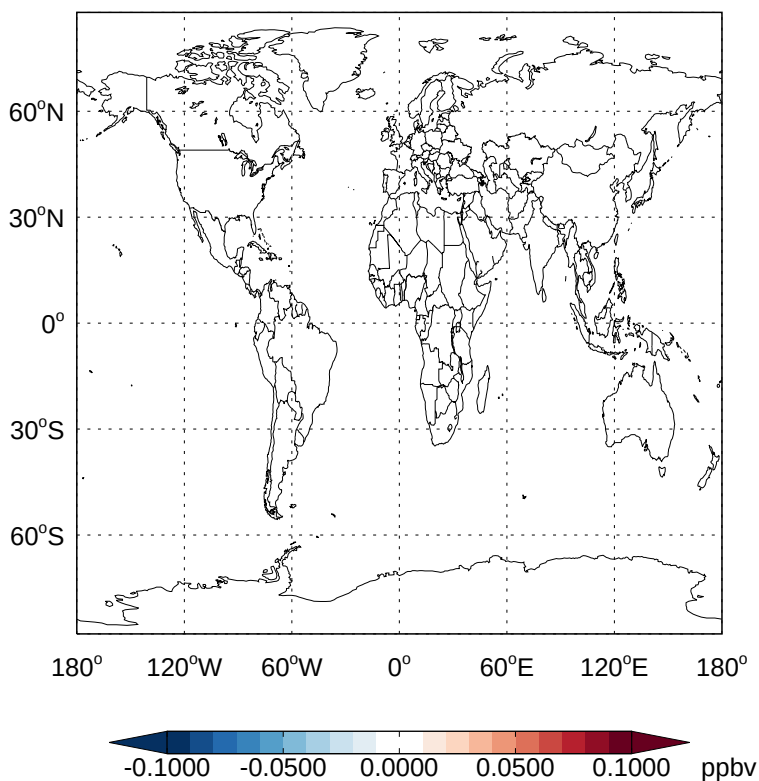
v11-02e-Run1 - v11-02e-Run0  
HCOOH- Diff @ 500 hPa for Jan



v11-02e-Run1 - v11-02d-Run1  
HCOOH - Diff @ Surface for Jan

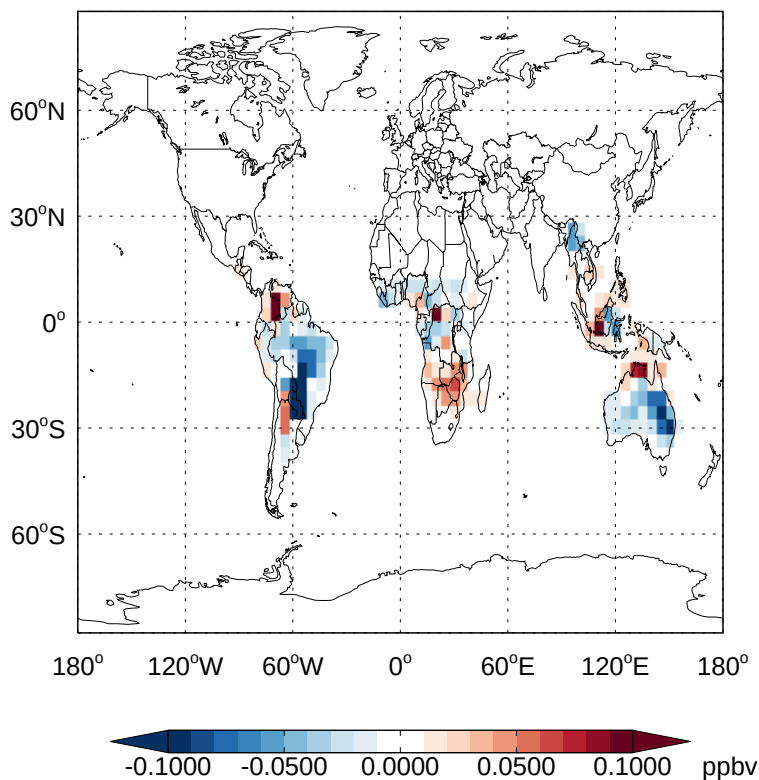


v11-02e-Run1 - v11-02d-Run1  
HCOOH- Diff @ 500 hPa for Jan

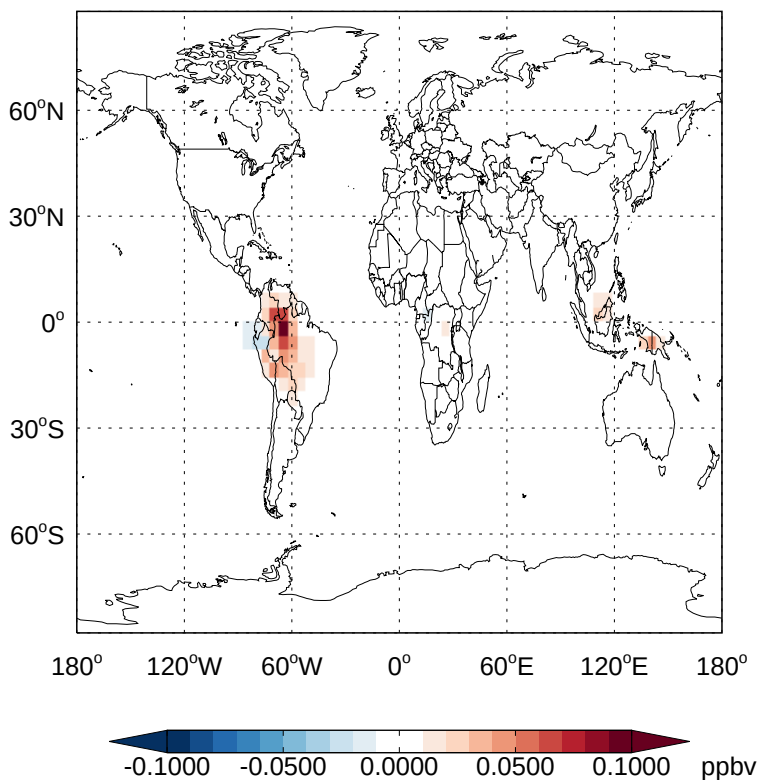


# GEOS-Chem Difference Maps at surface and 500 hPa

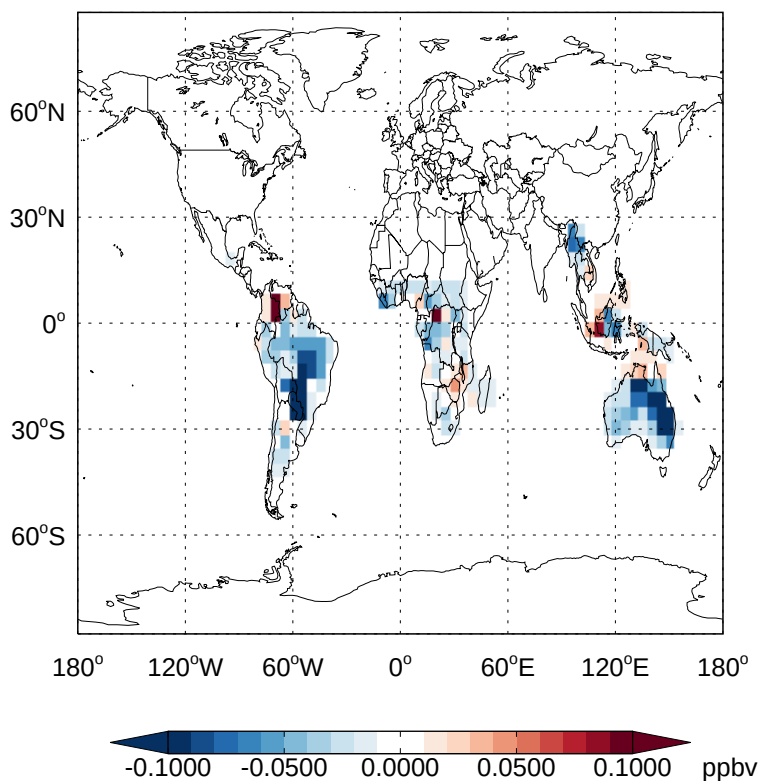
v11-02e-Run1 - v11-02e-Run0  
IEPOXA - Diff @ Surface for Jan



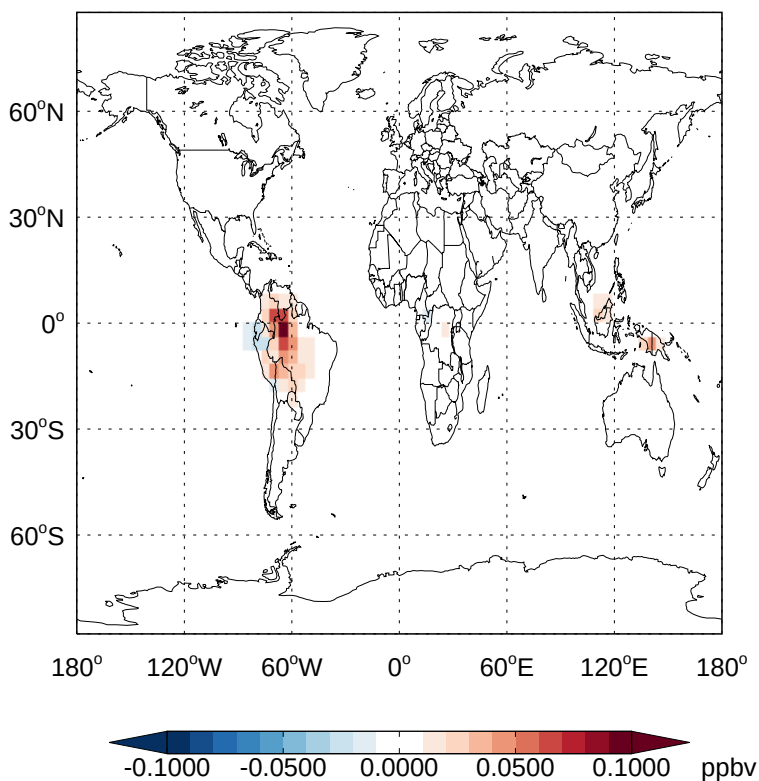
v11-02e-Run1 - v11-02e-Run0  
IEPOXA- Diff @ 500 hPa for Jan



v11-02e-Run1 - v11-02d-Run1  
IEPOXA - Diff @ Surface for Jan



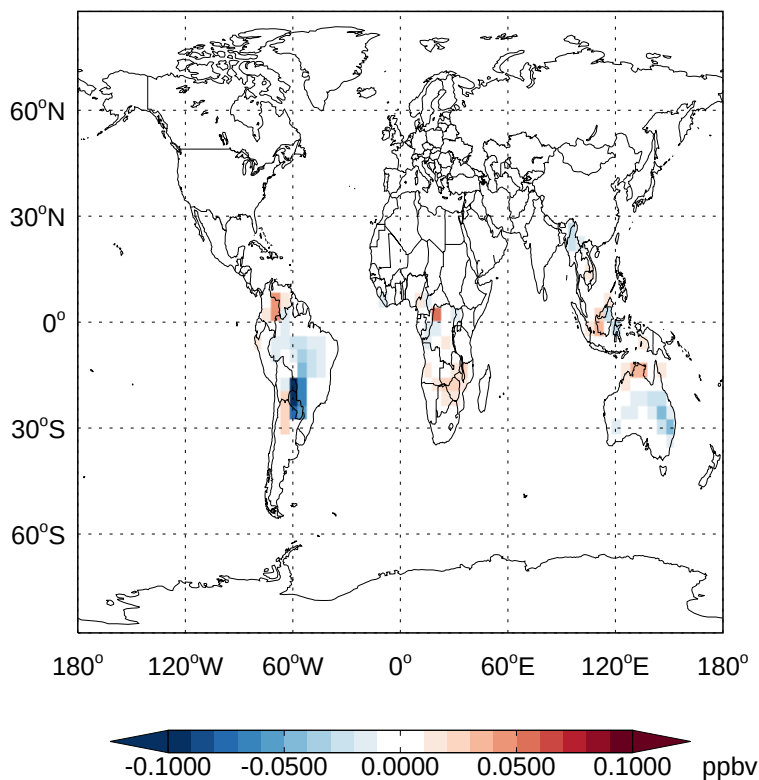
v11-02e-Run1 - v11-02d-Run1  
IEPOXA- Diff @ 500 hPa for Jan



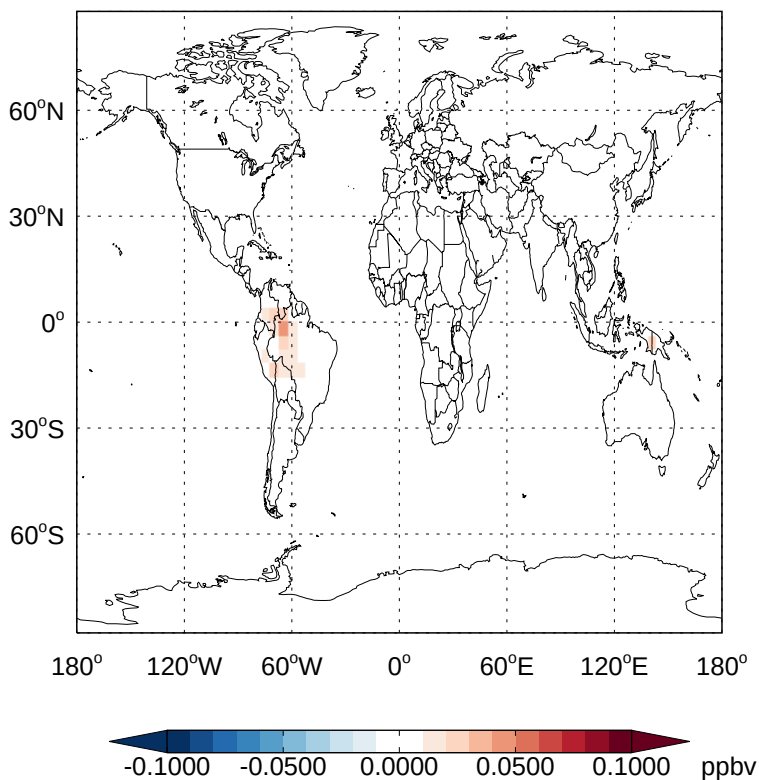


# GEOS-Chem Difference Maps at surface and 500 hPa

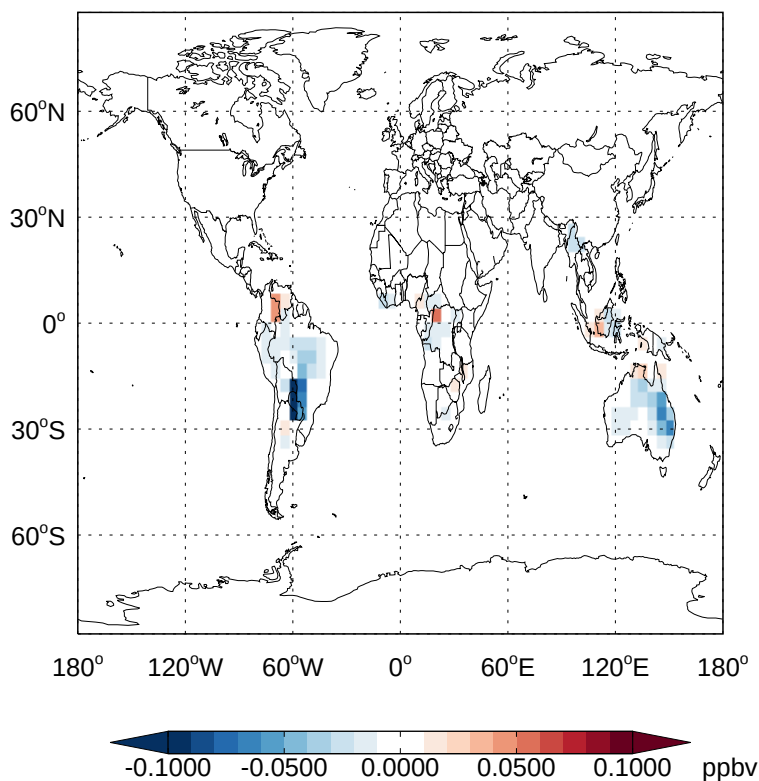
v11-02e-Run1 - v11-02e-Run0  
IEPOXB - Diff @ Surface for Jan



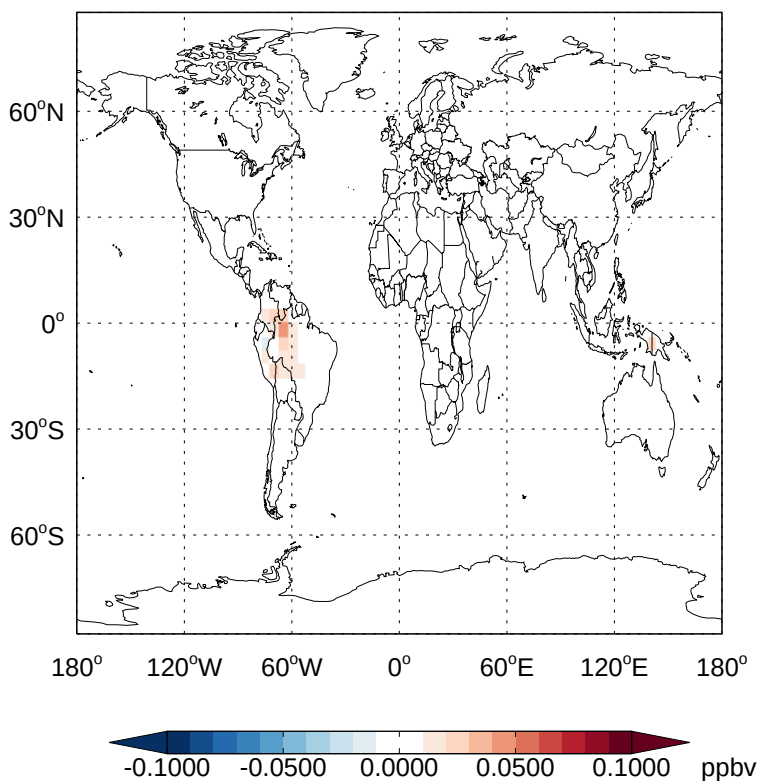
v11-02e-Run1 - v11-02e-Run0  
IEPOXB- Diff @ 500 hPa for Jan



v11-02e-Run1 - v11-02d-Run1  
IEPOXB - Diff @ Surface for Jan

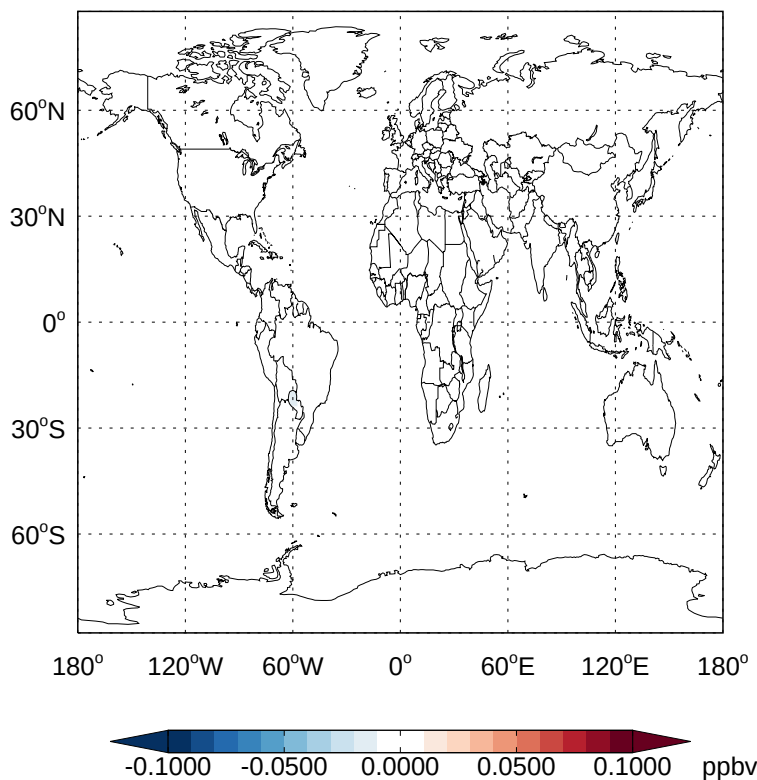


v11-02e-Run1 - v11-02d-Run1  
IEPOXB- Diff @ 500 hPa for Jan

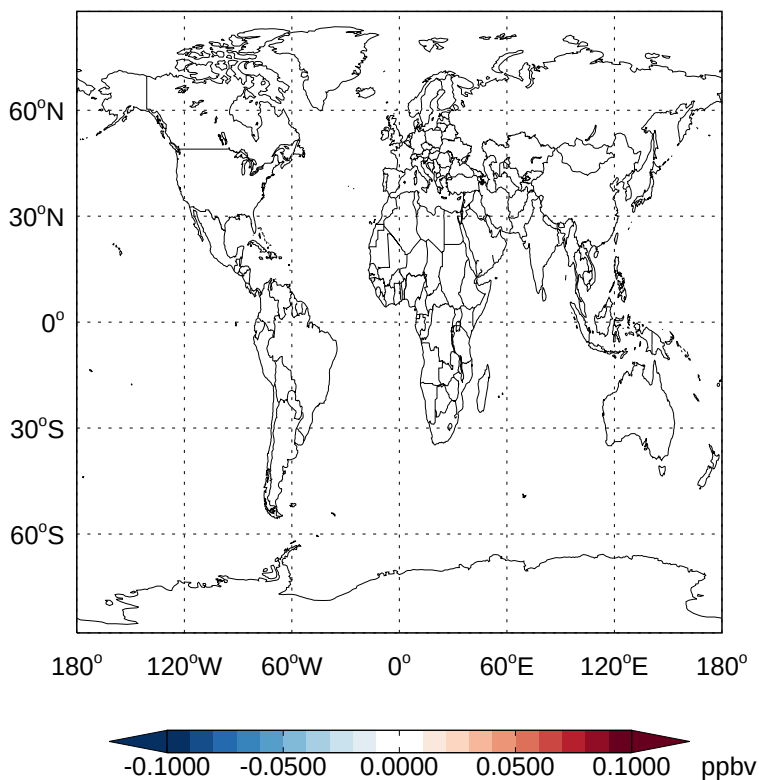


# GEOS-Chem Difference Maps at surface and 500 hPa

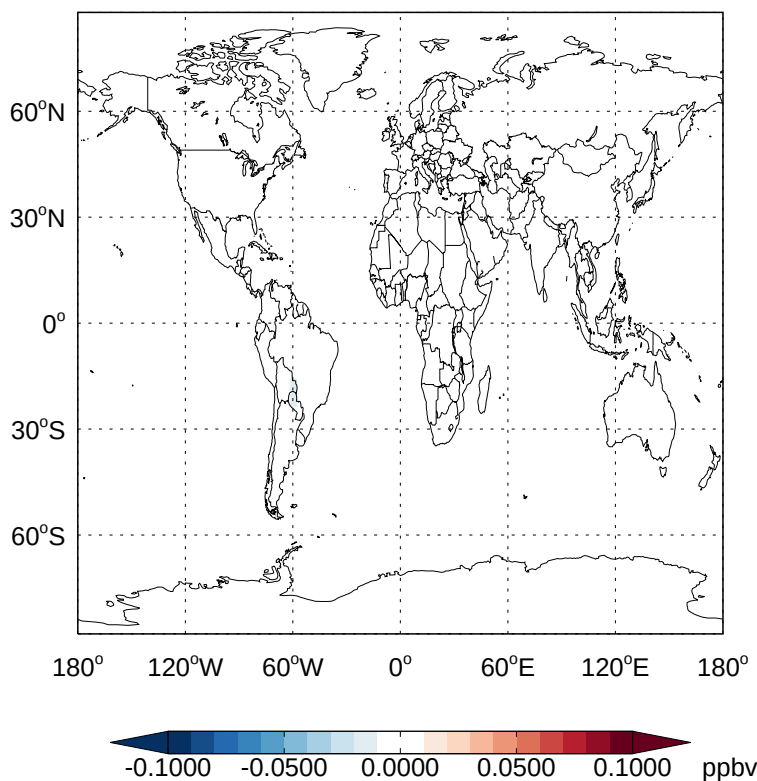
v11-02e-Run1 - v11-02e-Run0  
IEPOXD - Diff @ Surface for Jan



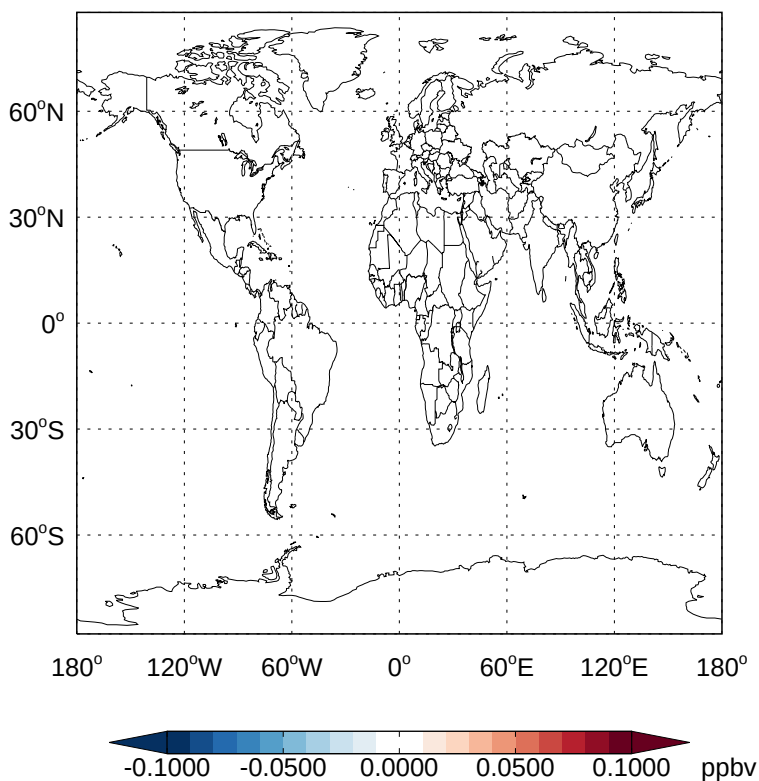
v11-02e-Run1 - v11-02e-Run0  
IEPOXD- Diff @ 500 hPa for Jan



v11-02e-Run1 - v11-02d-Run1  
IEPOXD - Diff @ Surface for Jan



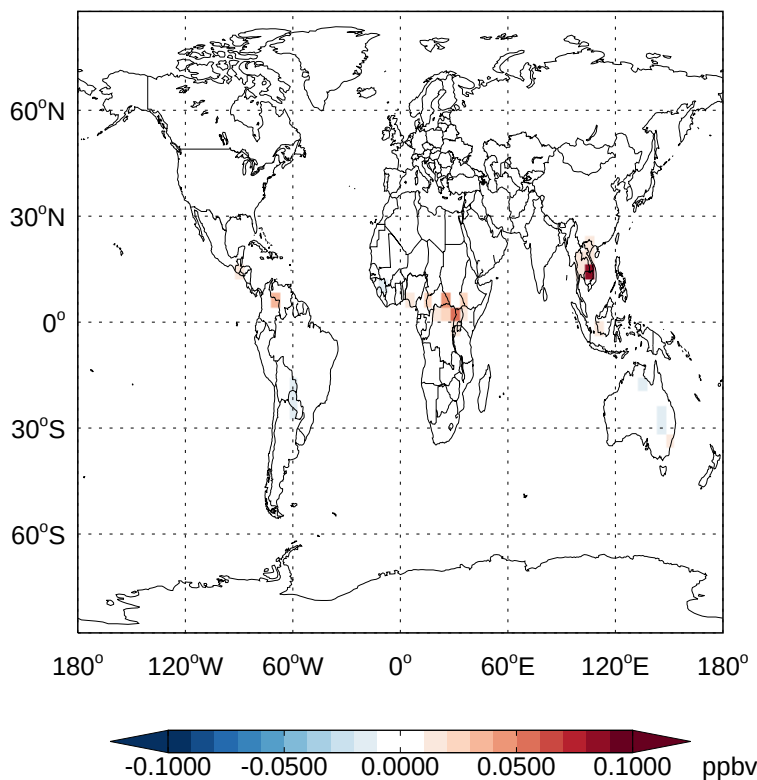
v11-02e-Run1 - v11-02d-Run1  
IEPOXD- Diff @ 500 hPa for Jan



# GEOS-Chem Difference Maps at surface and 500 hPa

v11-02e-Run1 - v11-02e-Run0

ISN1 - Diff @ Surface for Jan



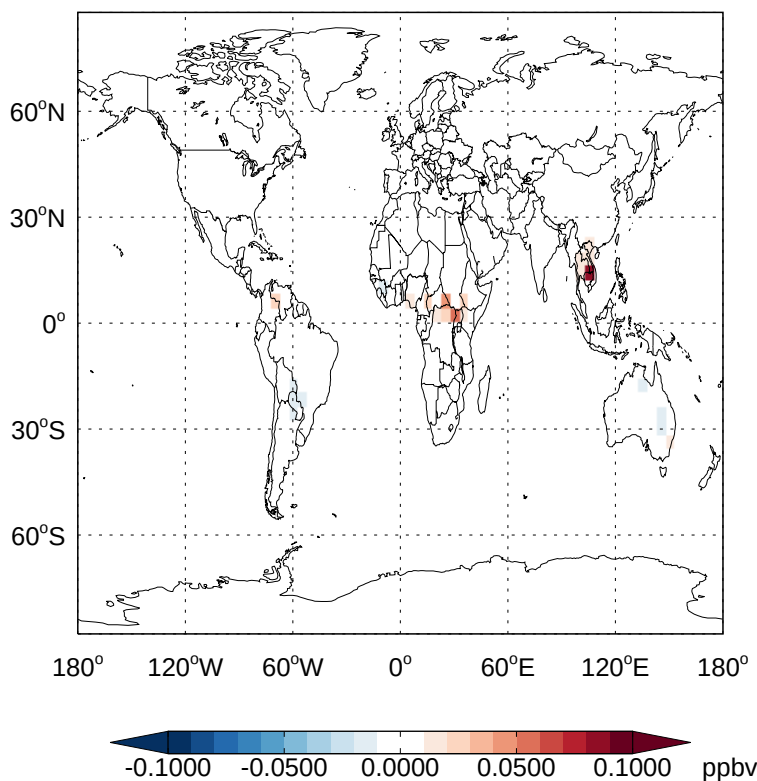
v11-02e-Run1 - v11-02e-Run0

ISN1- Diff @ 500 hPa for Jan



v11-02e-Run1 - v11-02d-Run1

ISN1 - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

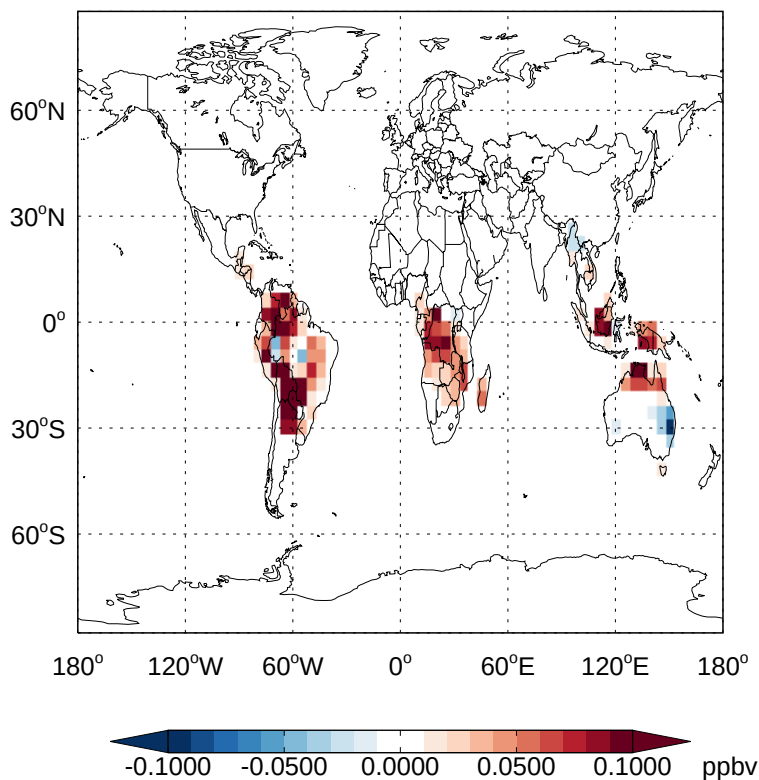
ISN1- Diff @ 500 hPa for Jan



# GEOS-Chem Difference Maps at surface and 500 hPa

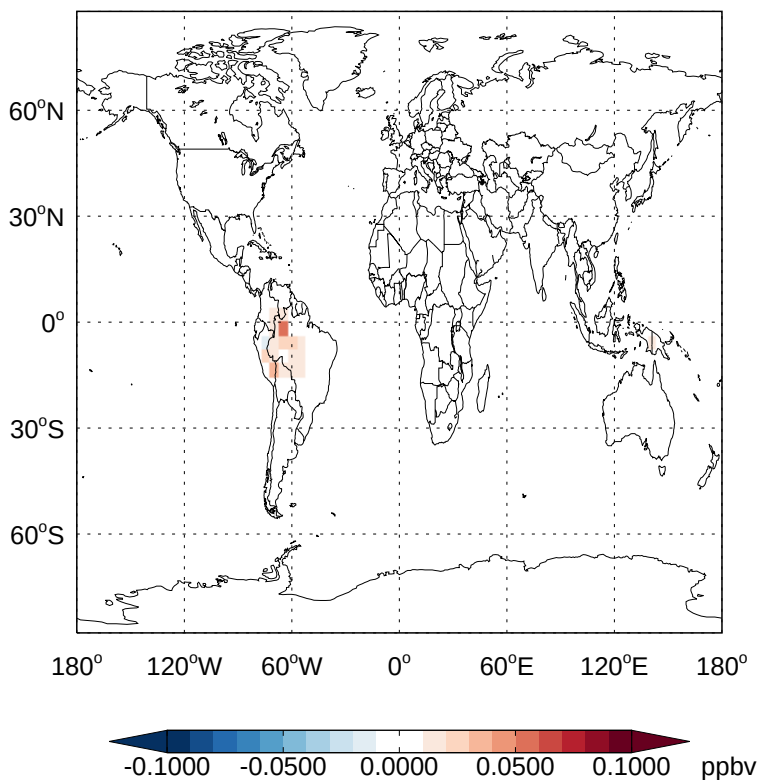
v11-02e-Run1 - v11-02e-Run0

RIPA - Diff @ Surface for Jan



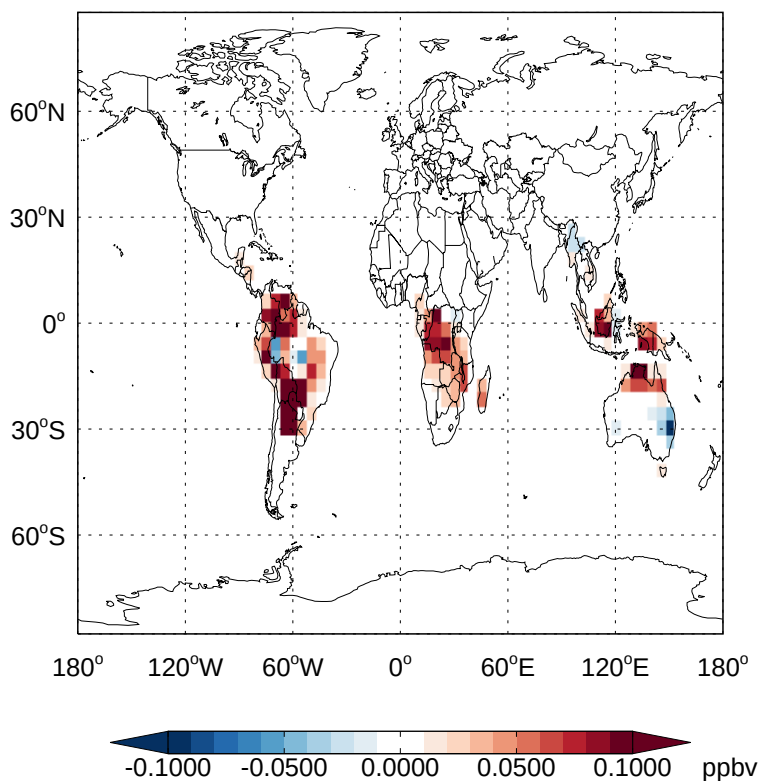
v11-02e-Run1 - v11-02e-Run0

RIPA- Diff @ 500 hPa for Jan



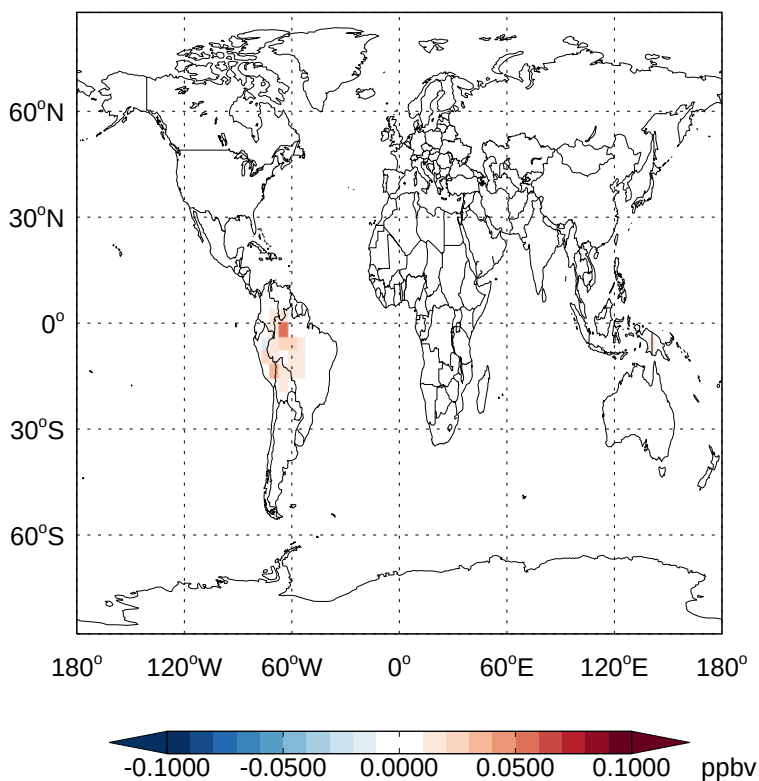
v11-02e-Run1 - v11-02d-Run1

RIPA - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

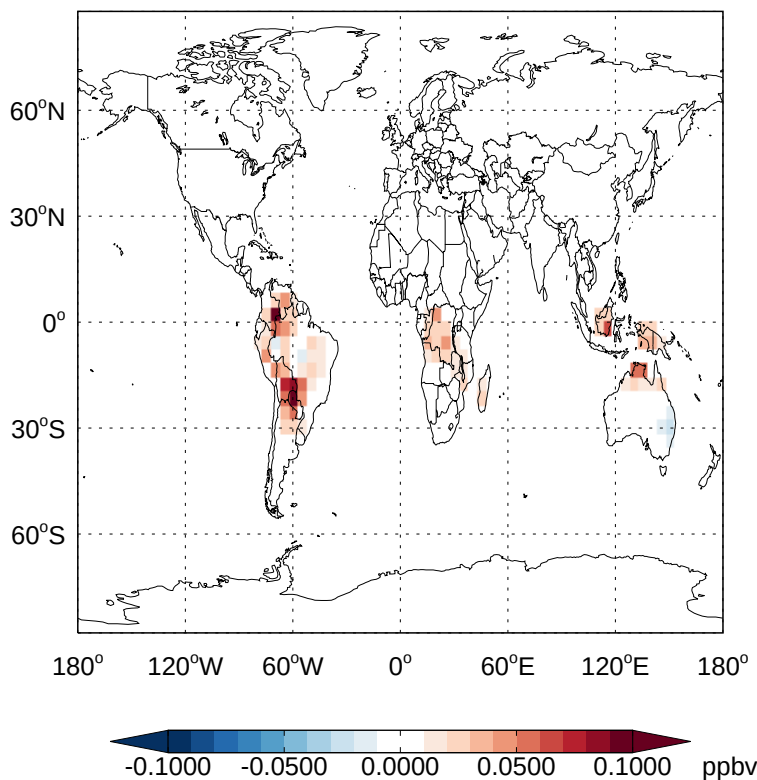
RIPA- Diff @ 500 hPa for Jan



# GEOS-Chem Difference Maps at surface and 500 hPa

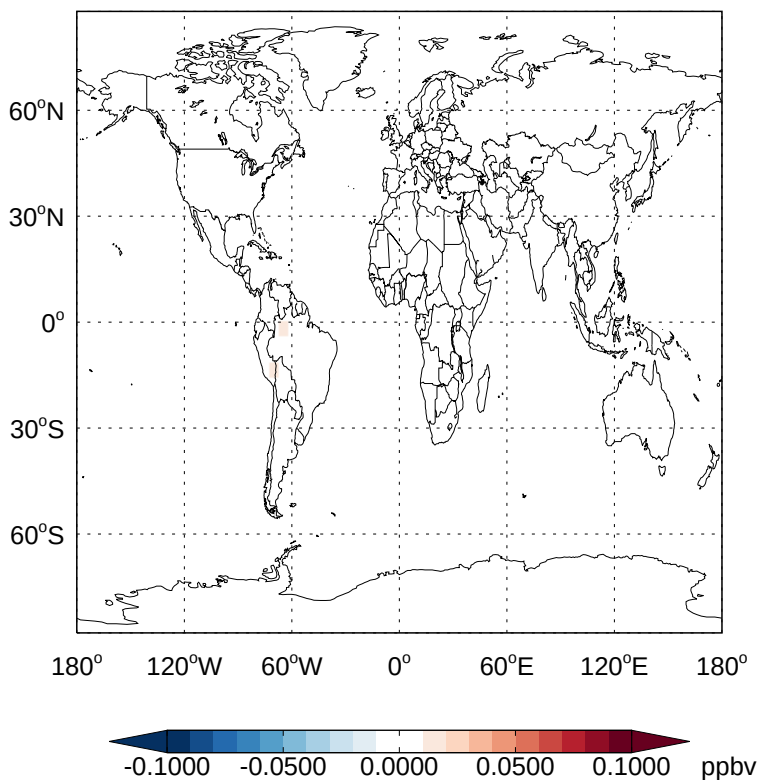
v11-02e-Run1 - v11-02e-Run0

RIPB - Diff @ Surface for Jan



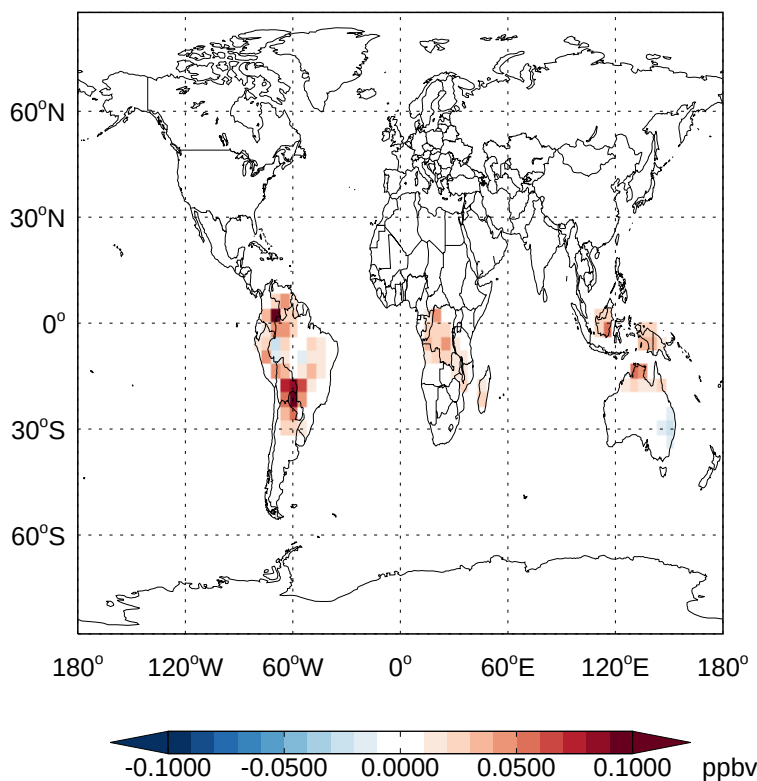
v11-02e-Run1 - v11-02e-Run0

RIPB- Diff @ 500 hPa for Jan



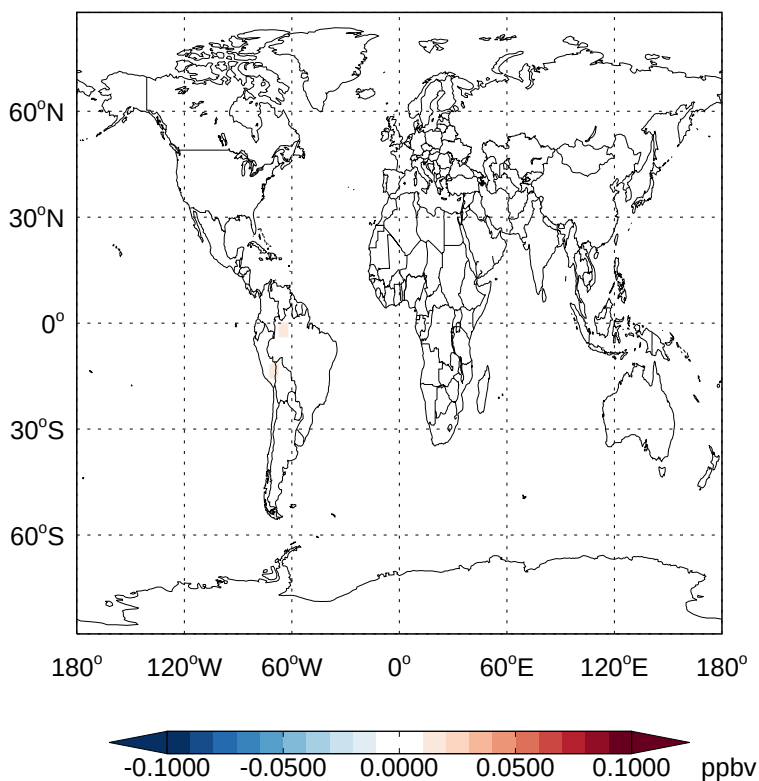
v11-02e-Run1 - v11-02d-Run1

RIPB - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

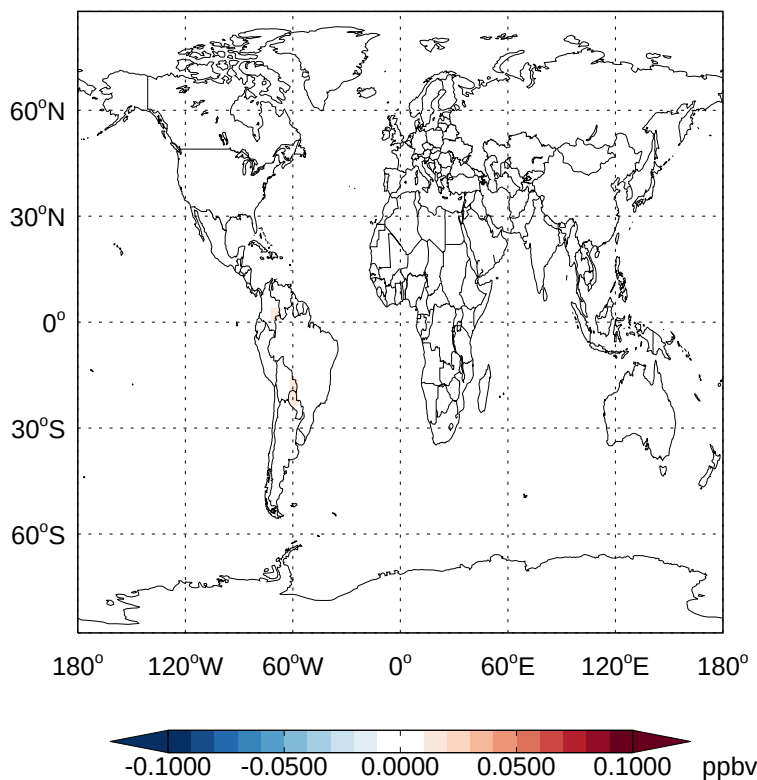
RIPB- Diff @ 500 hPa for Jan



# GEOS-Chem Difference Maps at surface and 500 hPa

v11-02e-Run1 - v11-02e-Run0

RIPD - Diff @ Surface for Jan



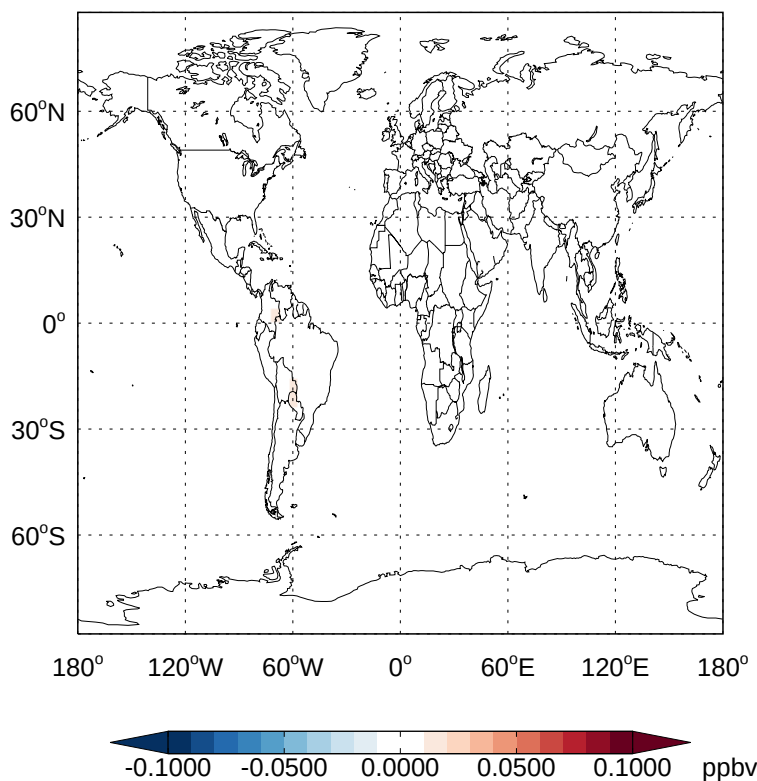
v11-02e-Run1 - v11-02e-Run0

RIPD- Diff @ 500 hPa for Jan



v11-02e-Run1 - v11-02d-Run1

RIPD - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

RIPD- Diff @ 500 hPa for Jan

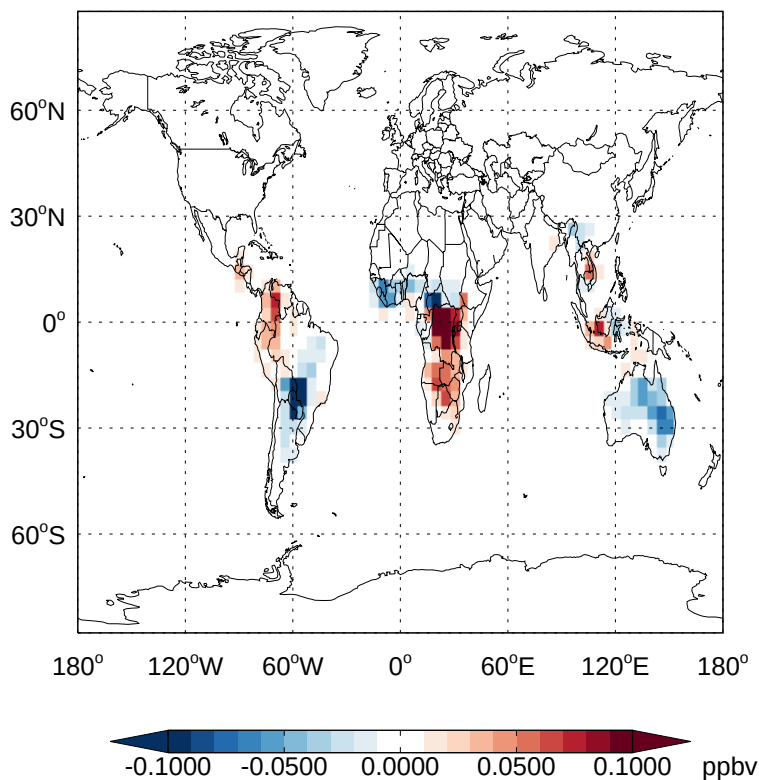




# GEOS-Chem Difference Maps at surface and 500 hPa

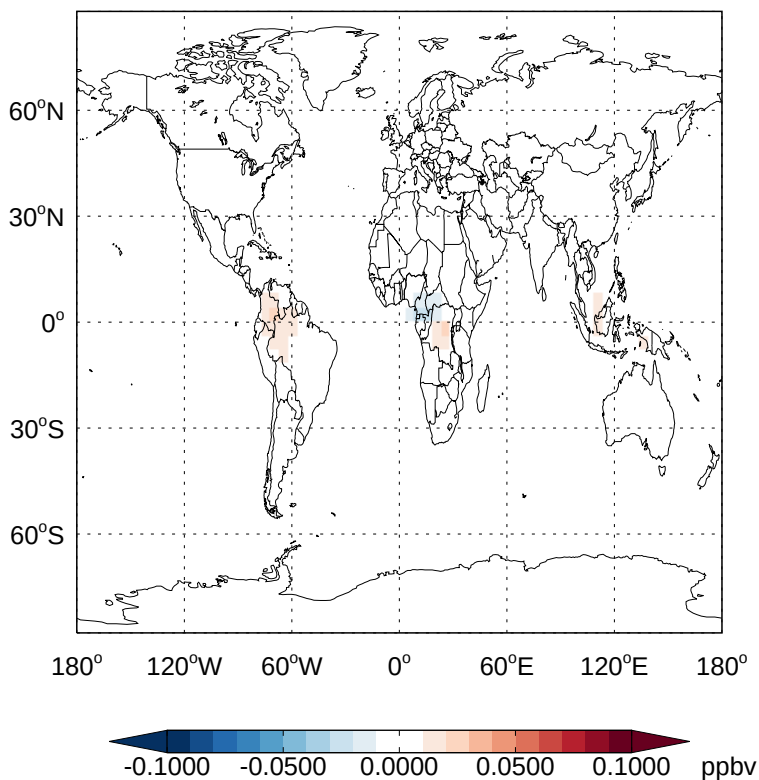
v11-02e-Run1 - v11-02e-Run0

IMAE - Diff @ Surface for Jan



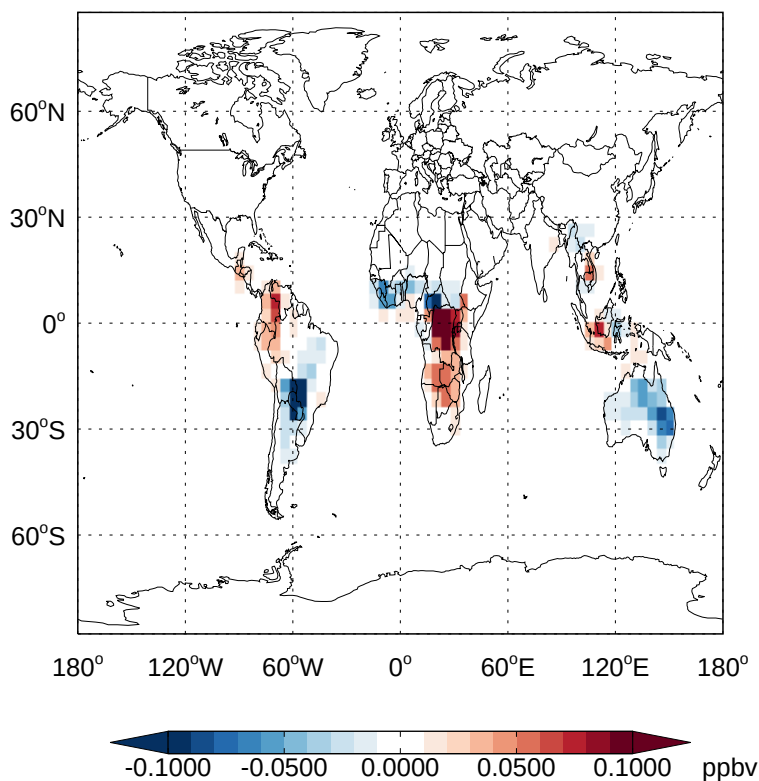
v11-02e-Run1 - v11-02e-Run0

IMAE- Diff @ 500 hPa for Jan



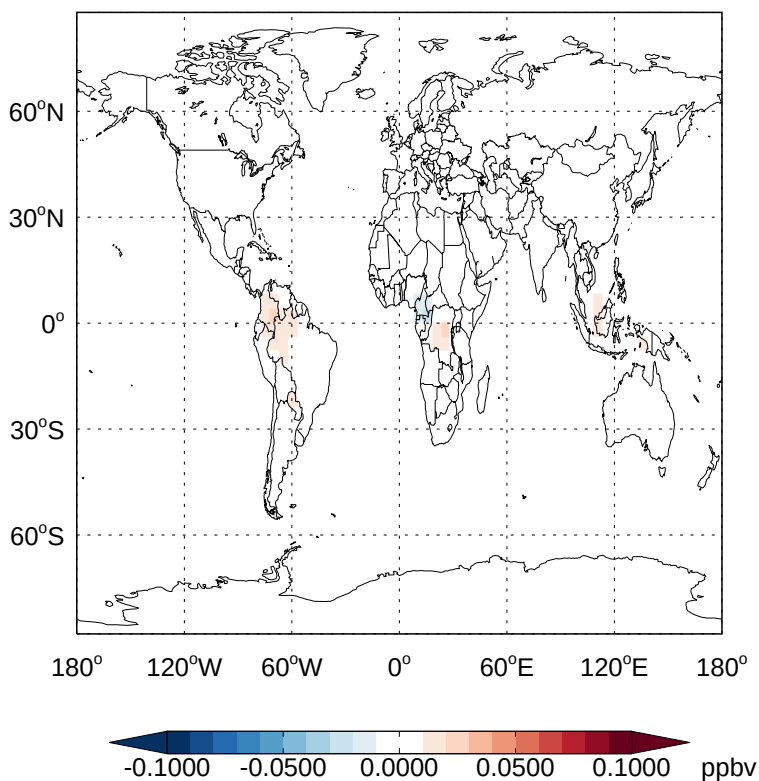
v11-02e-Run1 - v11-02d-Run1

IMAE - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

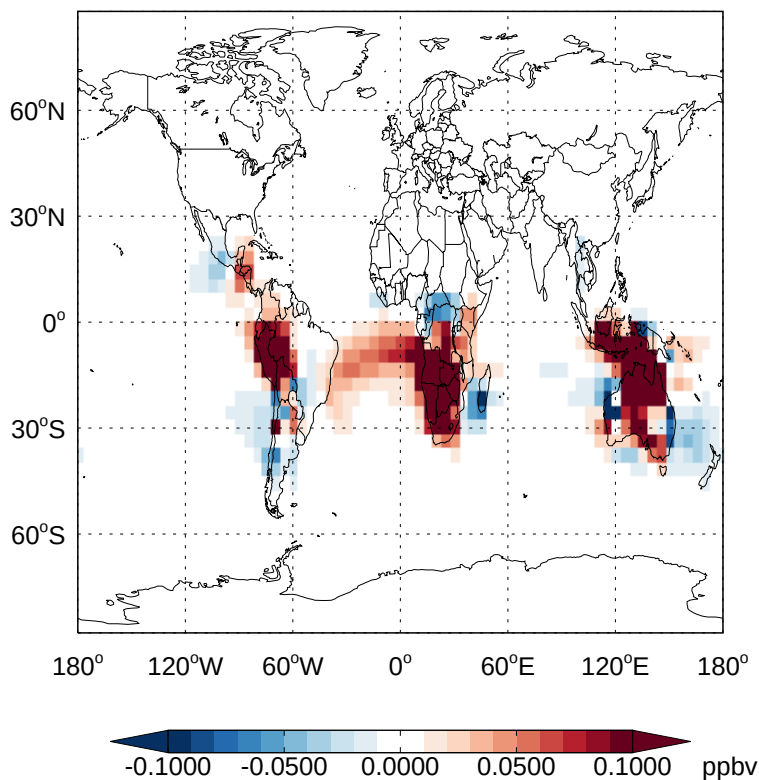
IMAE- Diff @ 500 hPa for Jan



# GEOS-Chem Difference Maps at surface and 500 hPa

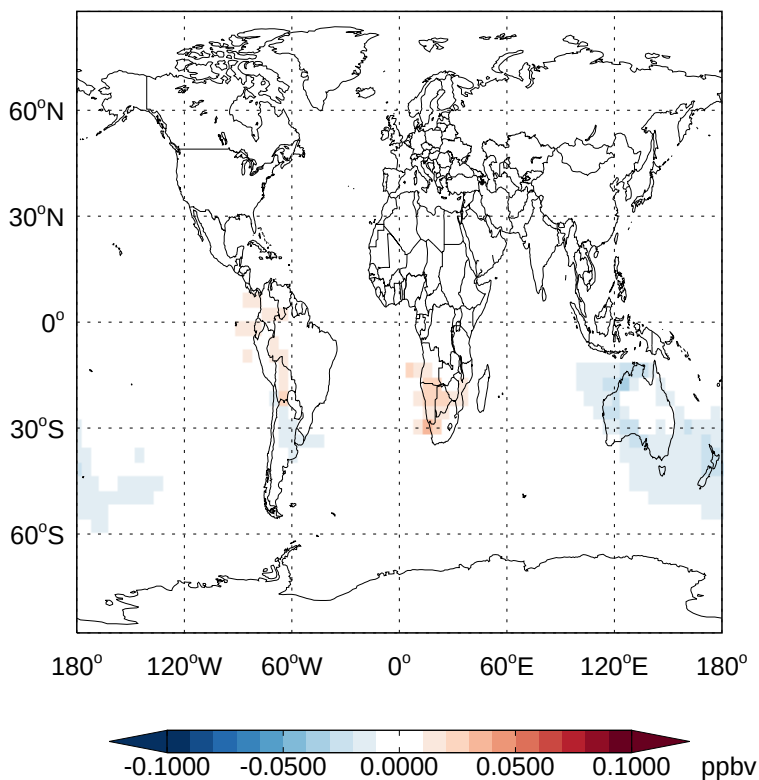
v11-02e-Run1 - v11-02e-Run0

SOAIE - Diff @ Surface for Jan



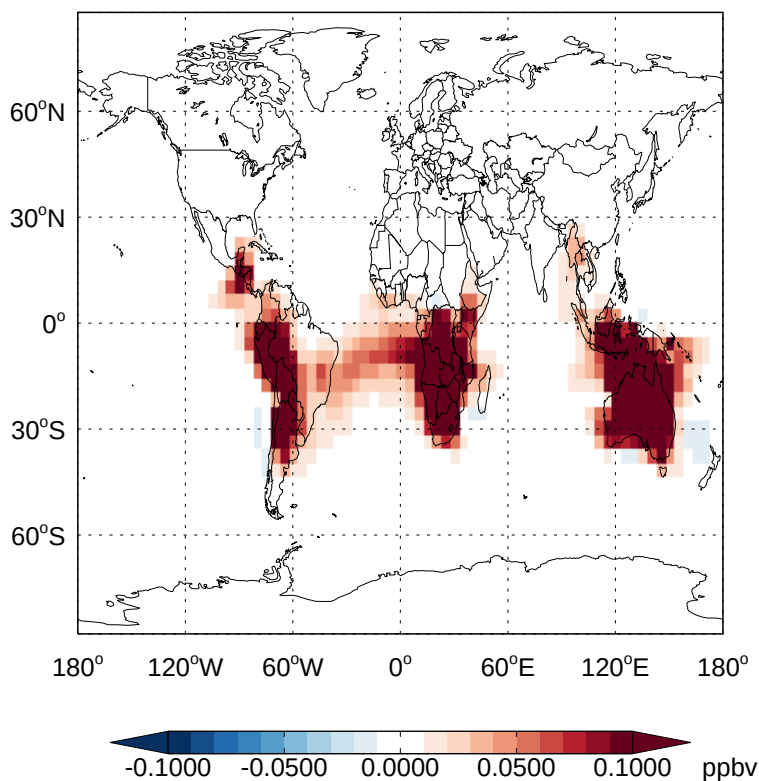
v11-02e-Run1 - v11-02e-Run0

SOAIE- Diff @ 500 hPa for Jan



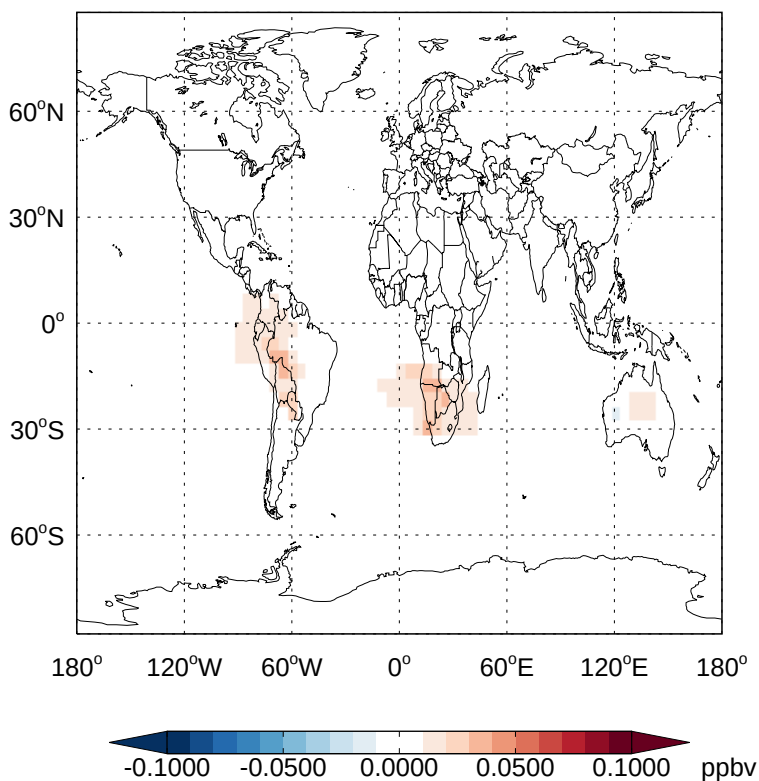
v11-02e-Run1 - v11-02d-Run1

SOAIE - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

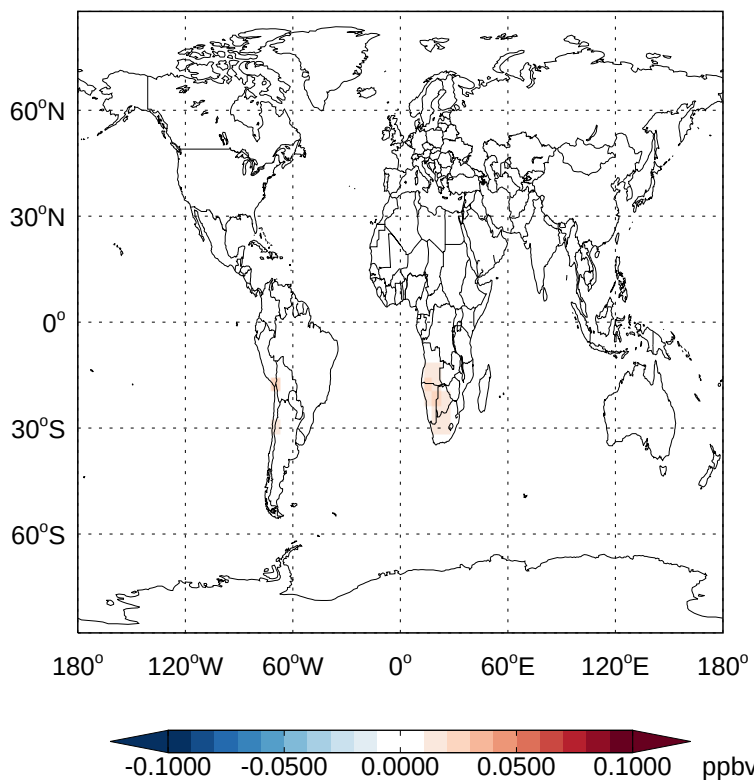
SOAIE- Diff @ 500 hPa for Jan



# GEOS-Chem Difference Maps at surface and 500 hPa

v11-02e-Run1 - v11-02e-Run0

SOAME - Diff @ Surface for Jan



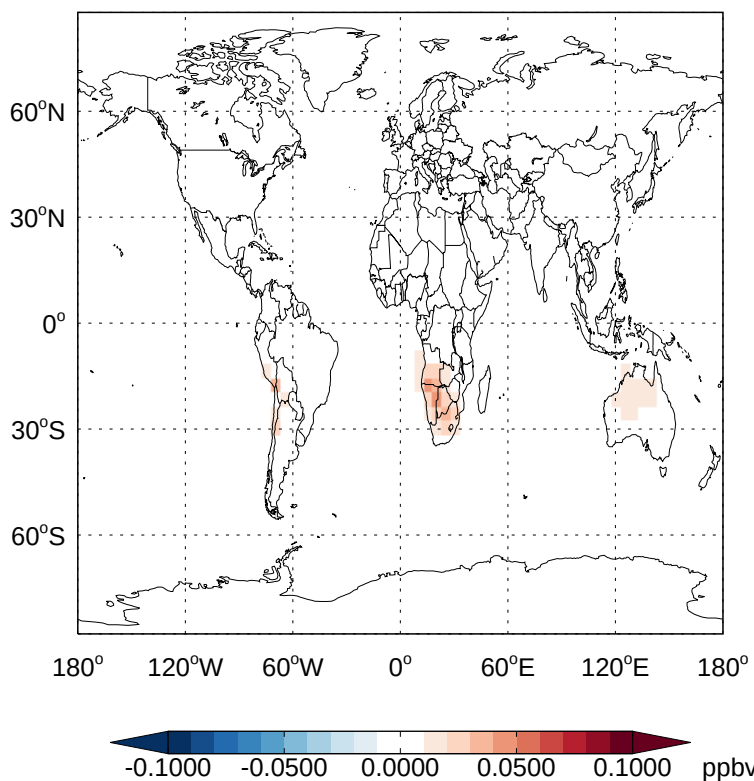
v11-02e-Run1 - v11-02e-Run0

SOAME- Diff @ 500 hPa for Jan



v11-02e-Run1 - v11-02d-Run1

SOAME - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

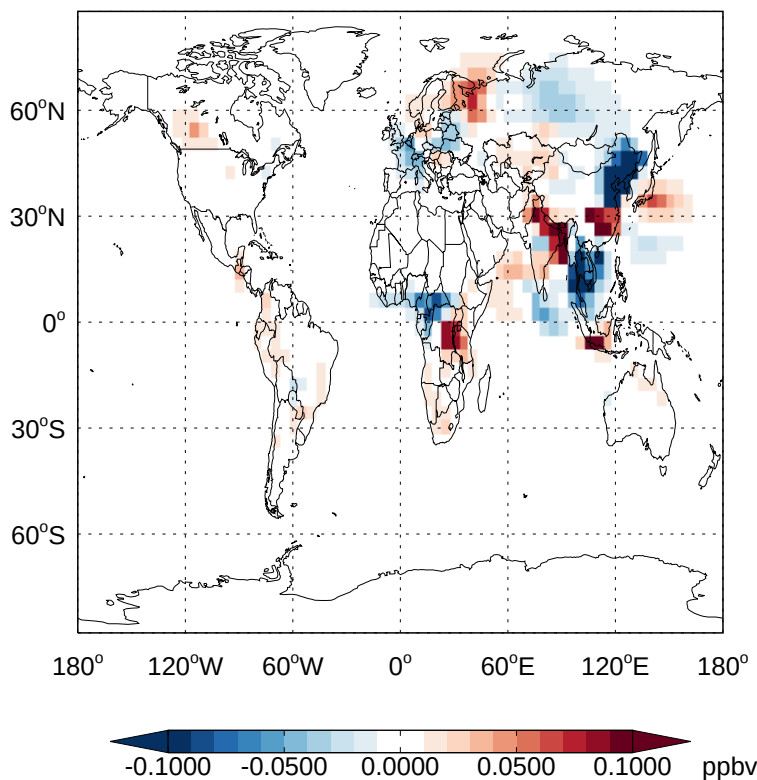
SOAME- Diff @ 500 hPa for Jan



# GEOS-Chem Difference Maps at surface and 500 hPa

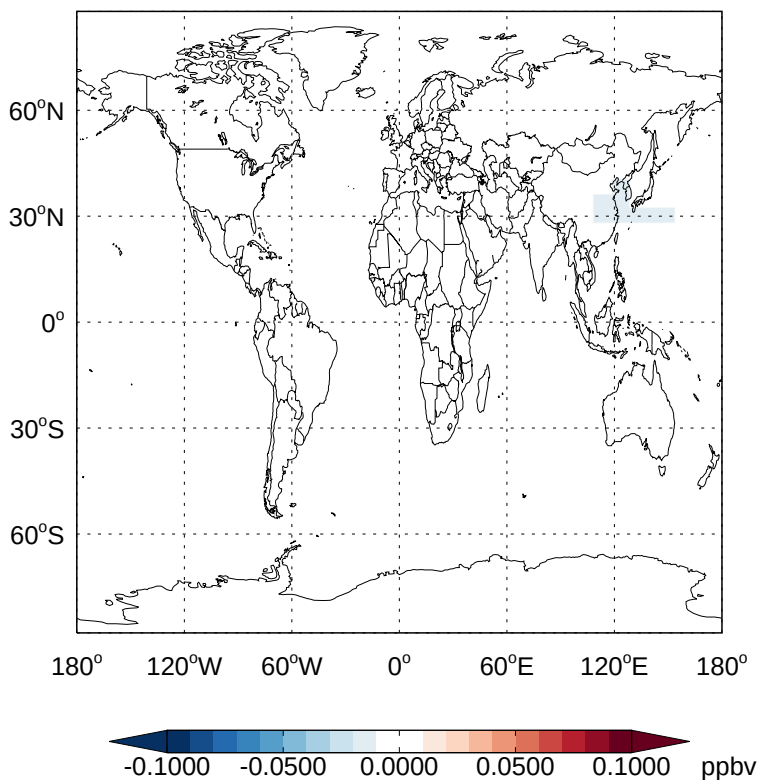
v11-02e-Run1 - v11-02e-Run0

SOAGX - Diff @ Surface for Jan



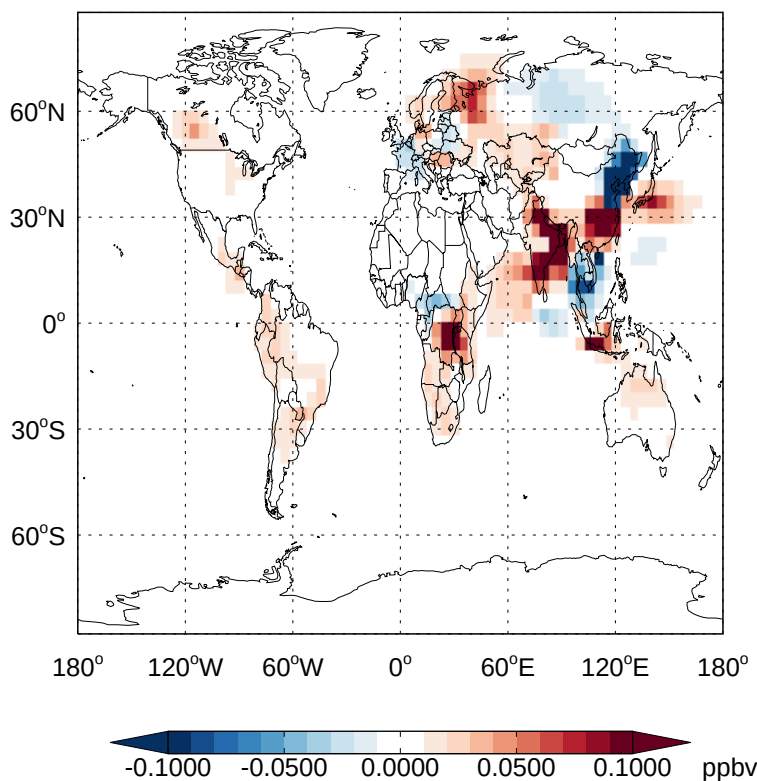
v11-02e-Run1 - v11-02e-Run0

SOAGX- Diff @ 500 hPa for Jan



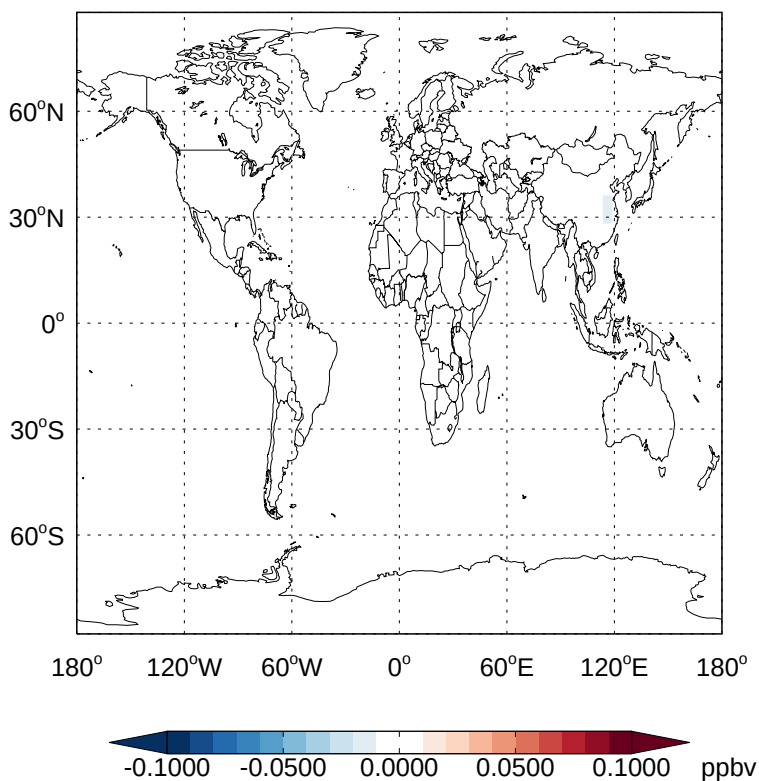
v11-02e-Run1 - v11-02d-Run1

SOAGX - Diff @ Surface for Jan



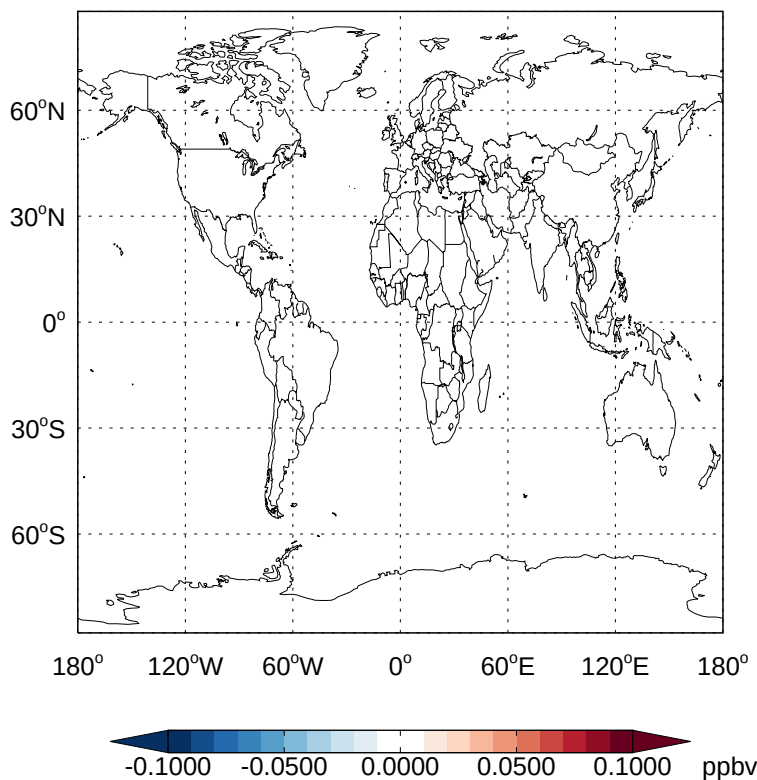
v11-02e-Run1 - v11-02d-Run1

SOAGX- Diff @ 500 hPa for Jan

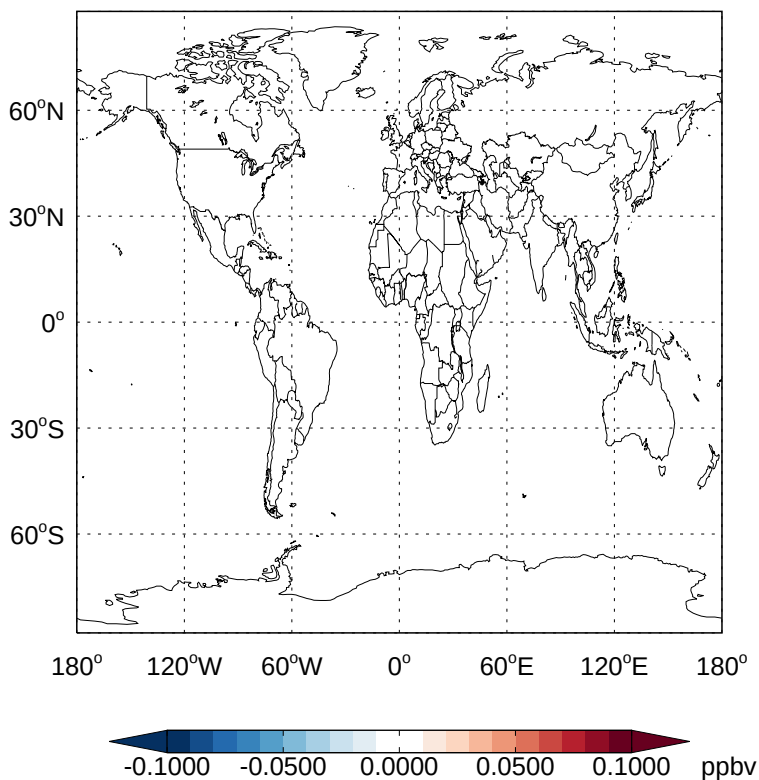


# GEOS-Chem Difference Maps at surface and 500 hPa

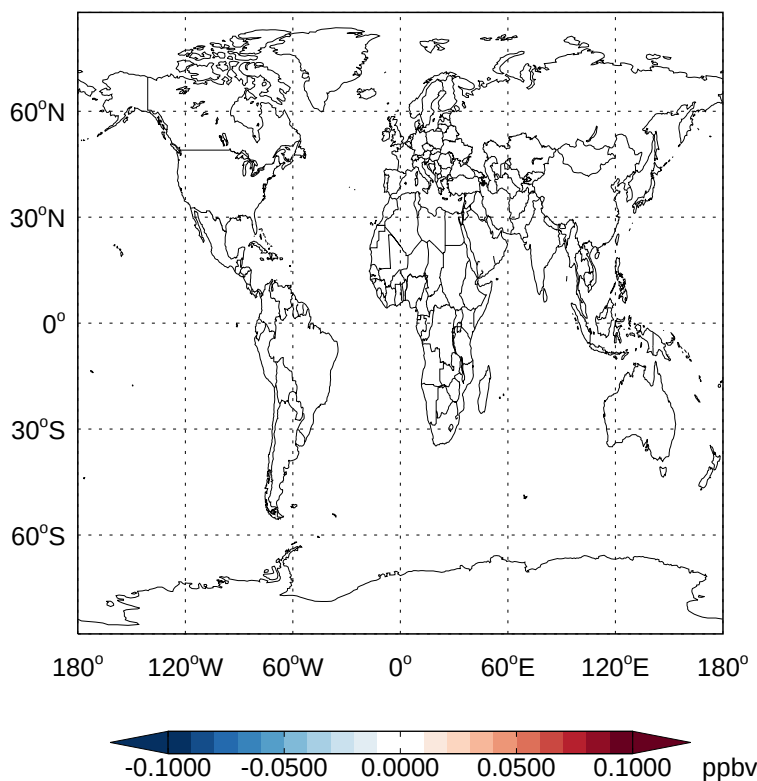
v11-02e-Run1 - v11-02e-Run0  
SOAMG - Diff @ Surface for Jan



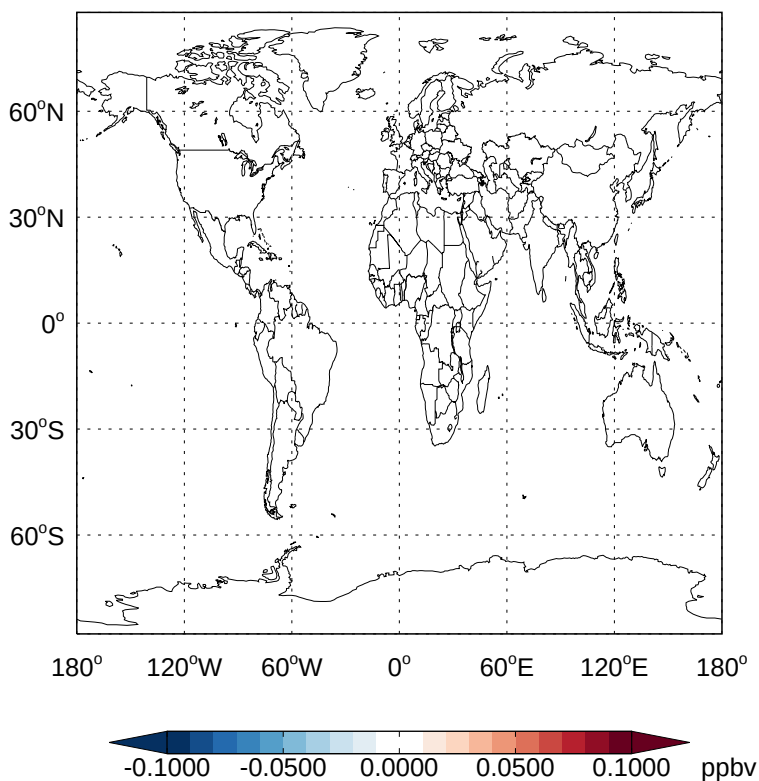
v11-02e-Run1 - v11-02e-Run0  
SOAMG- Diff @ 500 hPa for Jan



v11-02e-Run1 - v11-02d-Run1  
SOAMG - Diff @ Surface for Jan



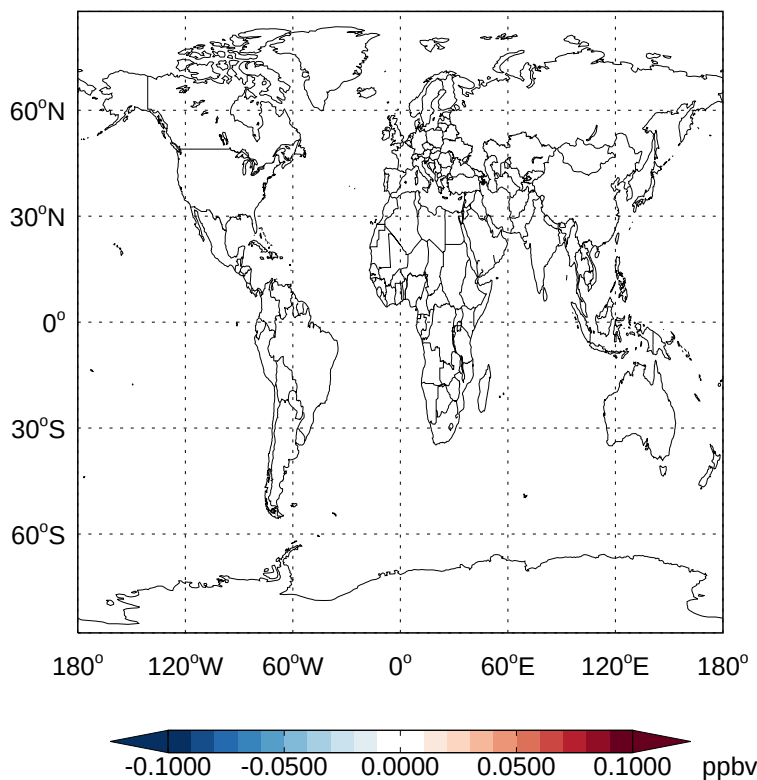
v11-02e-Run1 - v11-02d-Run1  
SOAMG- Diff @ 500 hPa for Jan



# GEOS-Chem Difference Maps at surface and 500 hPa

v11-02e-Run1 - v11-02e-Run0

LVOC - Diff @ Surface for Jan



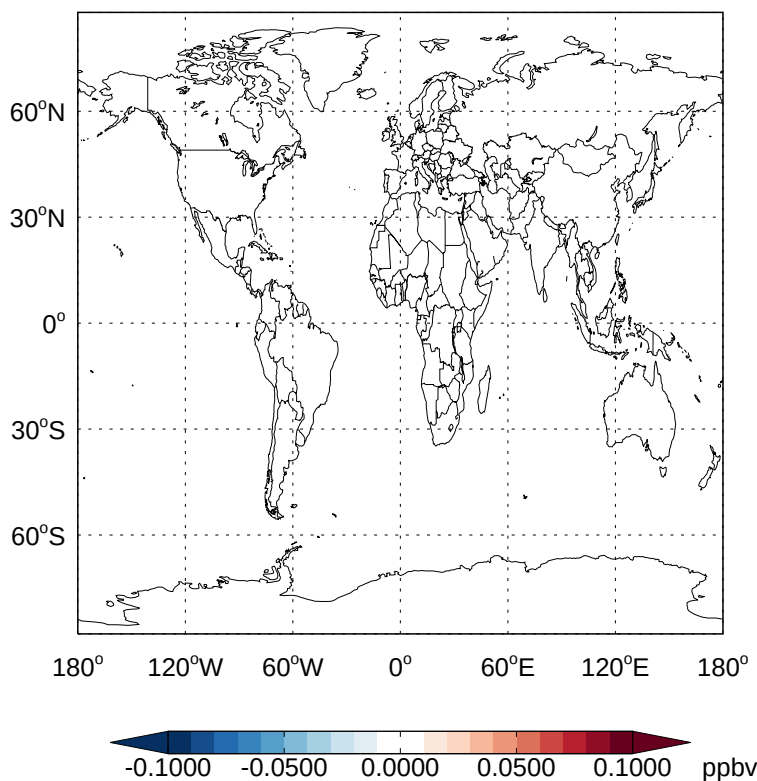
v11-02e-Run1 - v11-02e-Run0

LVOC- Diff @ 500 hPa for Jan



v11-02e-Run1 - v11-02d-Run1

LVOC - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

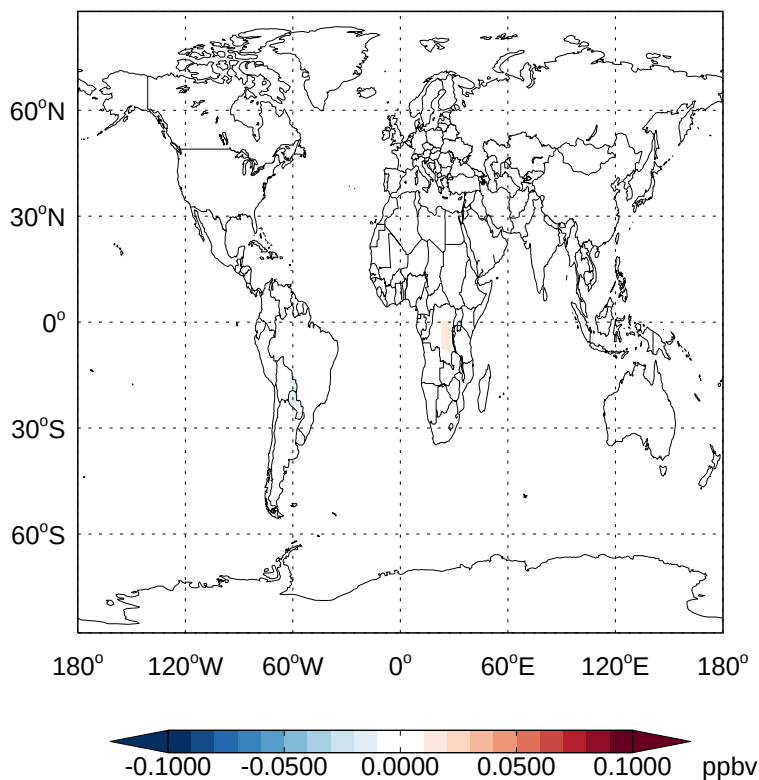
LVOC- Diff @ 500 hPa for Jan



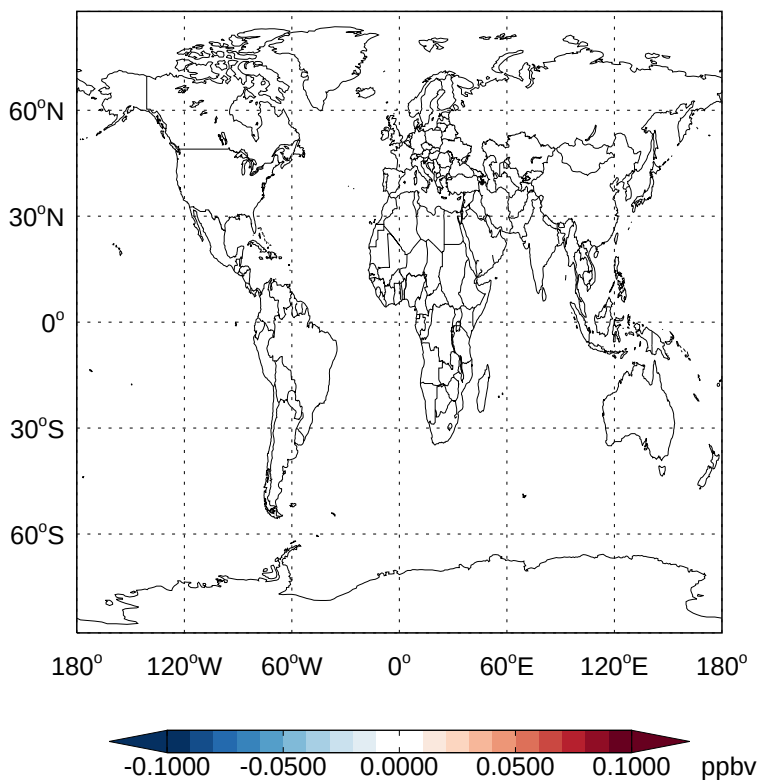


# GEOS-Chem Difference Maps at surface and 500 hPa

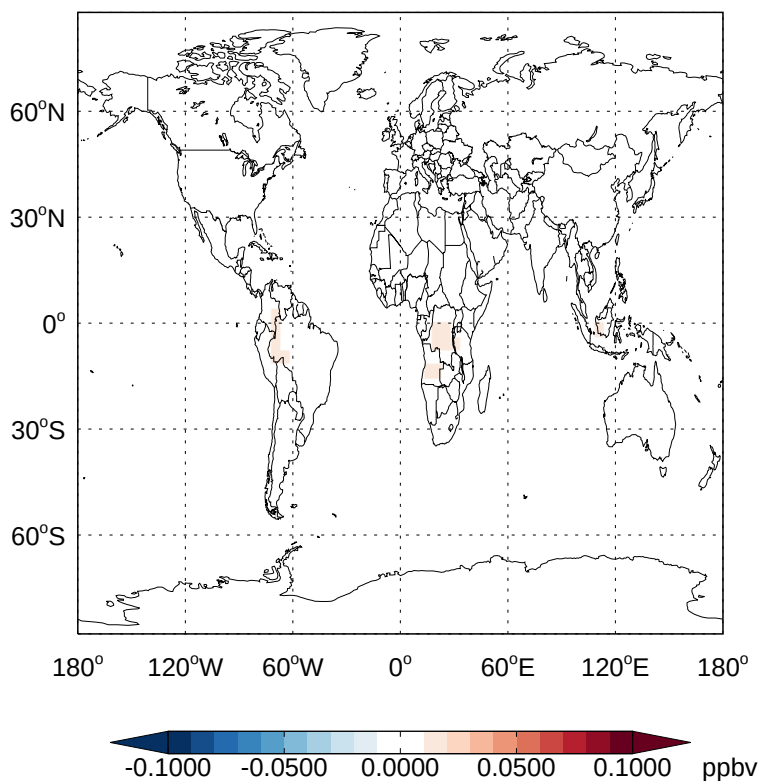
v11-02e-Run1 - v11-02e-Run0  
LVOCOA - Diff @ Surface for Jan



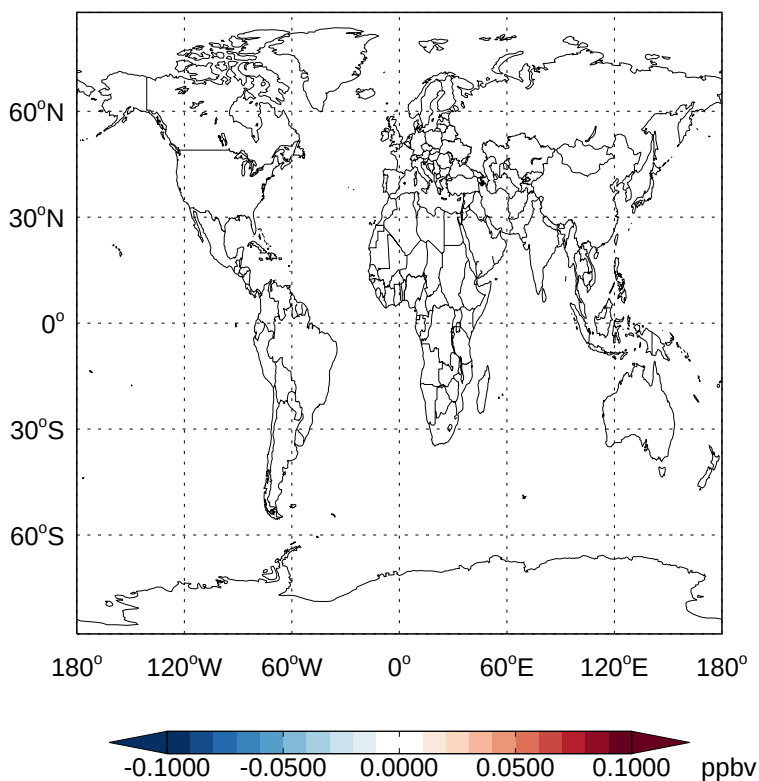
v11-02e-Run1 - v11-02e-Run0  
LVOCOA- Diff @ 500 hPa for Jan



v11-02e-Run1 - v11-02d-Run1  
LVOCOA - Diff @ Surface for Jan

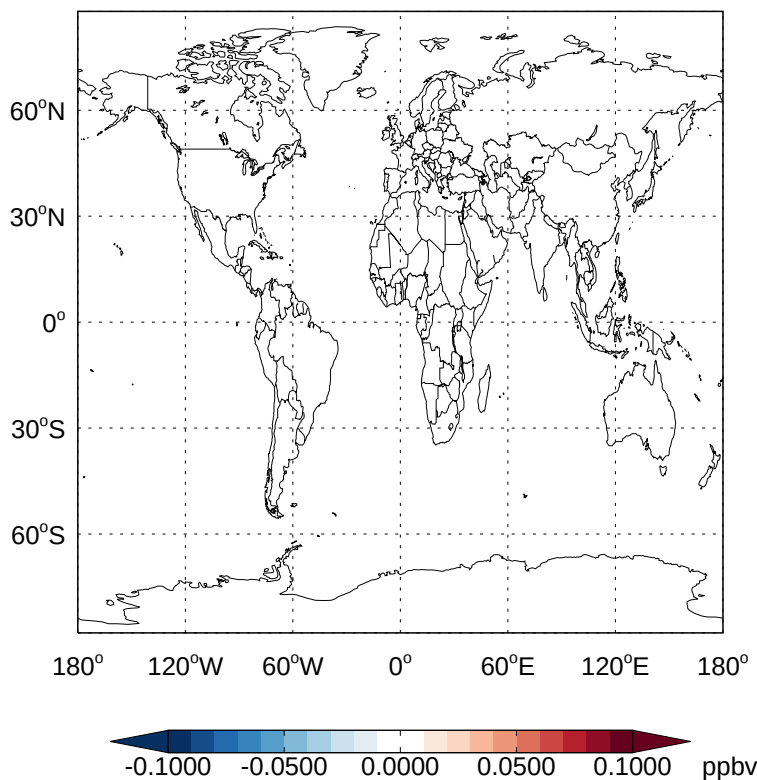


v11-02e-Run1 - v11-02d-Run1  
LVOCOA- Diff @ 500 hPa for Jan

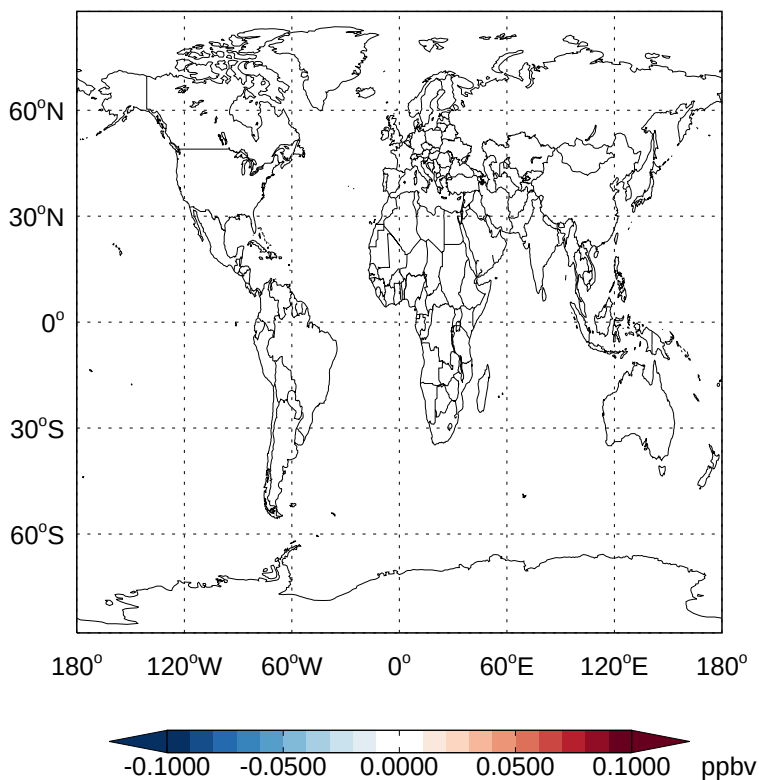


# GEOS-Chem Difference Maps at surface and 500 hPa

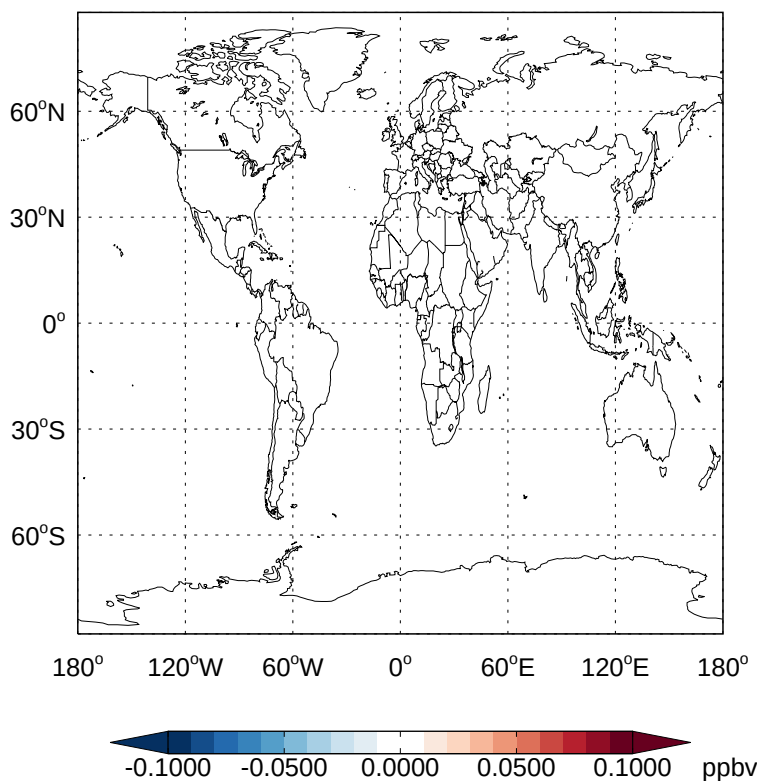
v11-02e-Run1 - v11-02e-Run0  
ISN1OG - Diff @ Surface for Jan



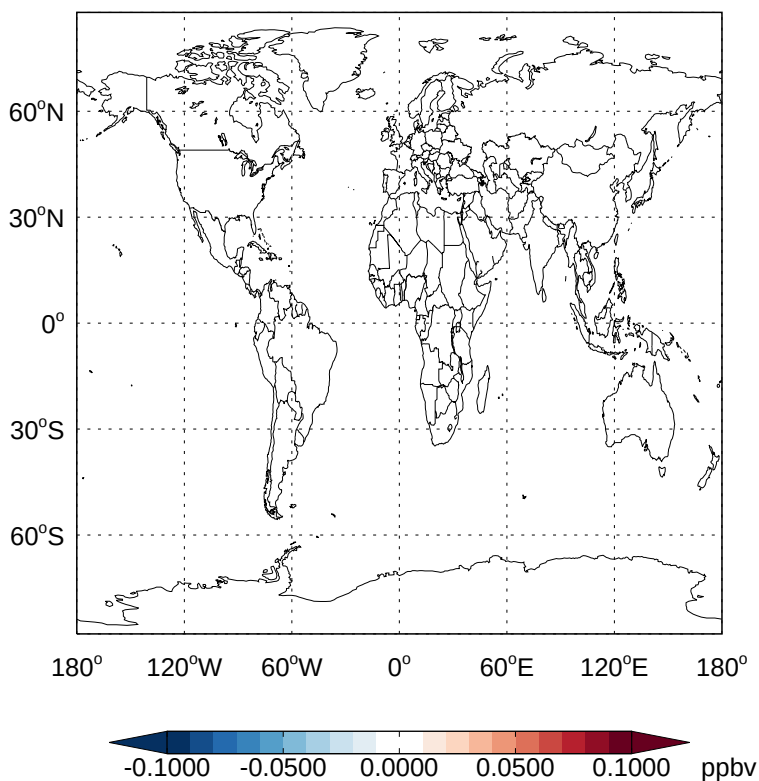
v11-02e-Run1 - v11-02e-Run0  
ISN1OG- Diff @ 500 hPa for Jan



v11-02e-Run1 - v11-02d-Run1  
ISN1OG - Diff @ Surface for Jan



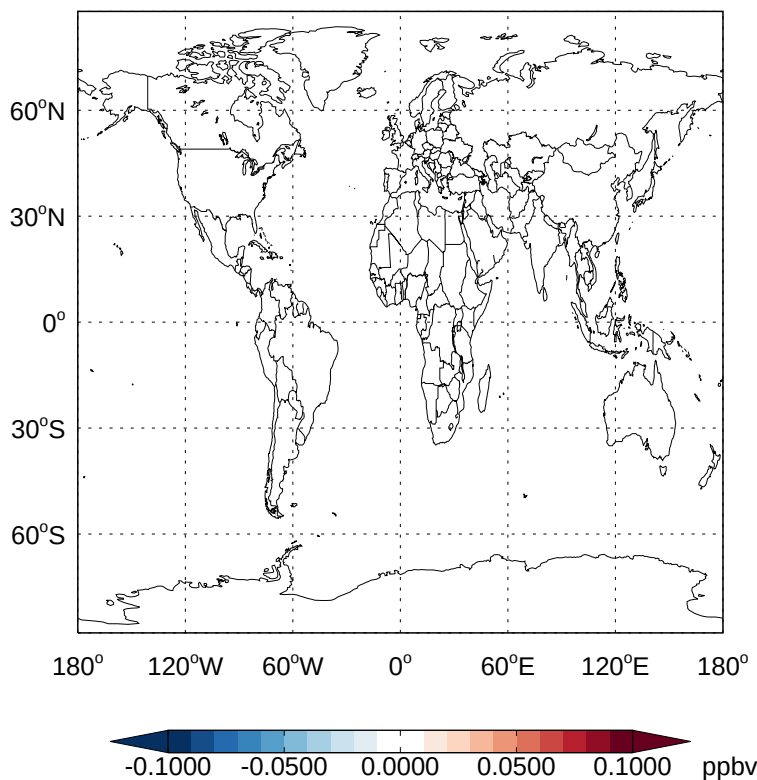
v11-02e-Run1 - v11-02d-Run1  
ISN1OG- Diff @ 500 hPa for Jan



# GEOS-Chem Difference Maps at surface and 500 hPa

v11-02e-Run1 - v11-02e-Run0

ISN10A - Diff @ Surface for Jan



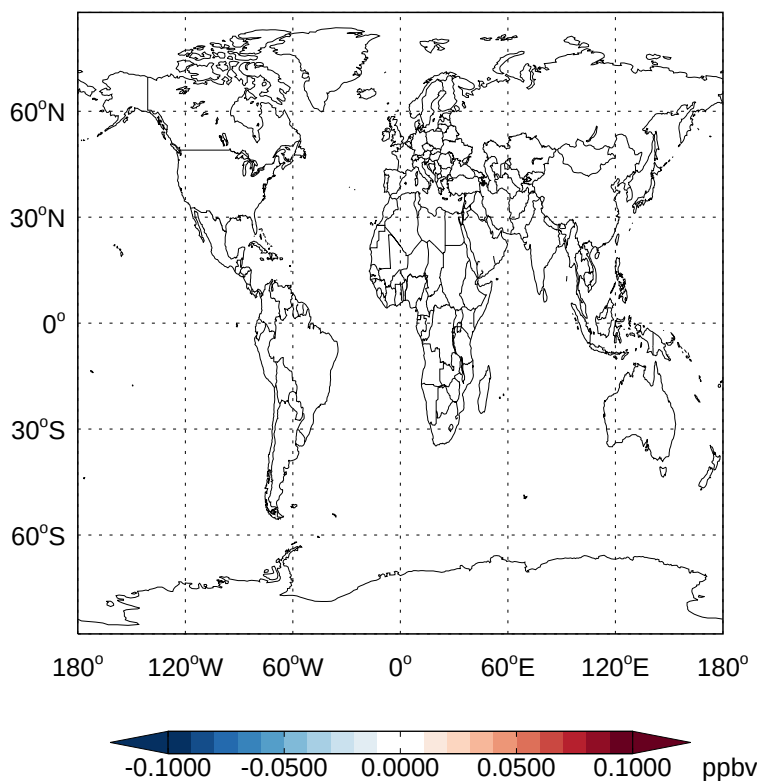
v11-02e-Run1 - v11-02e-Run0

ISN10A- Diff @ 500 hPa for Jan



v11-02e-Run1 - v11-02d-Run1

ISN10A - Diff @ Surface for Jan



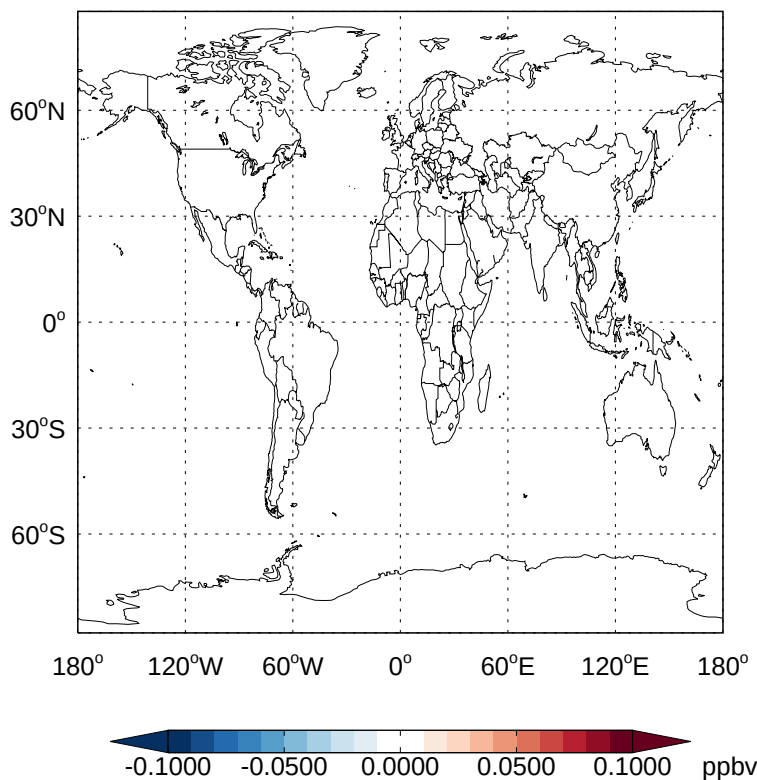
v11-02e-Run1 - v11-02d-Run1

ISN10A- Diff @ 500 hPa for Jan

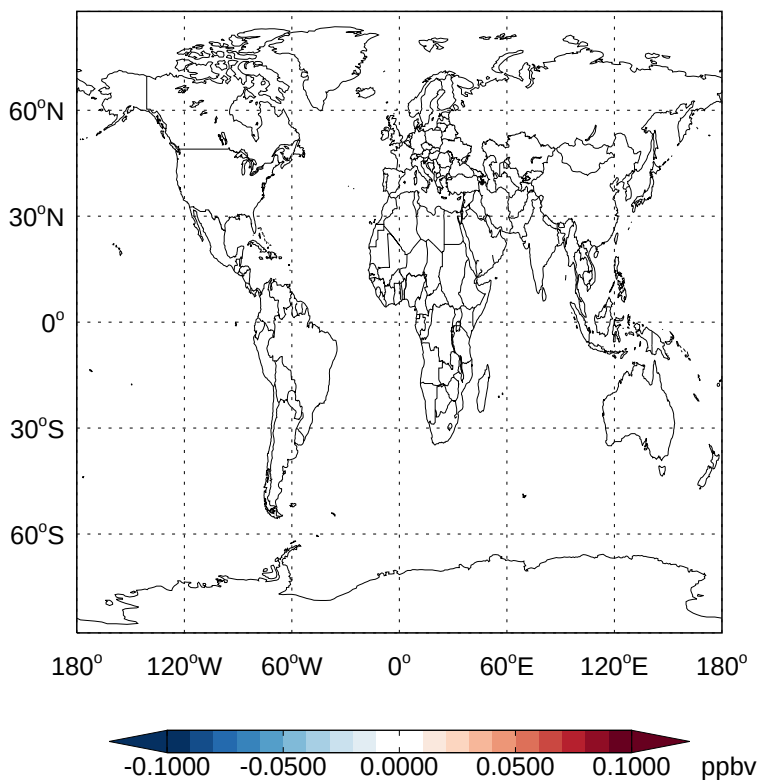


# GEOS-Chem Difference Maps at surface and 500 hPa

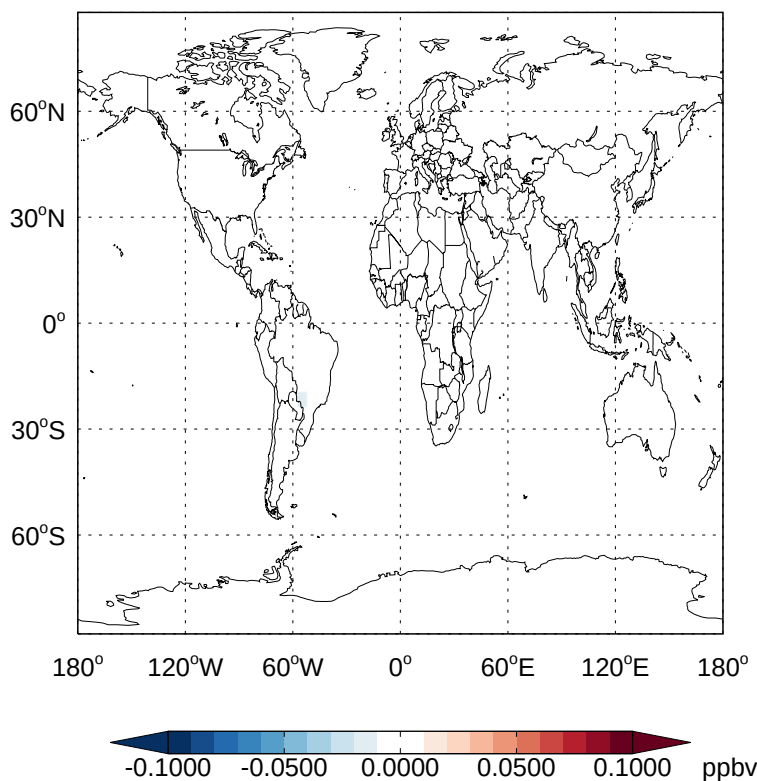
v11-02e-Run1 - v11-02e-Run0  
MONITS - Diff @ Surface for Jan



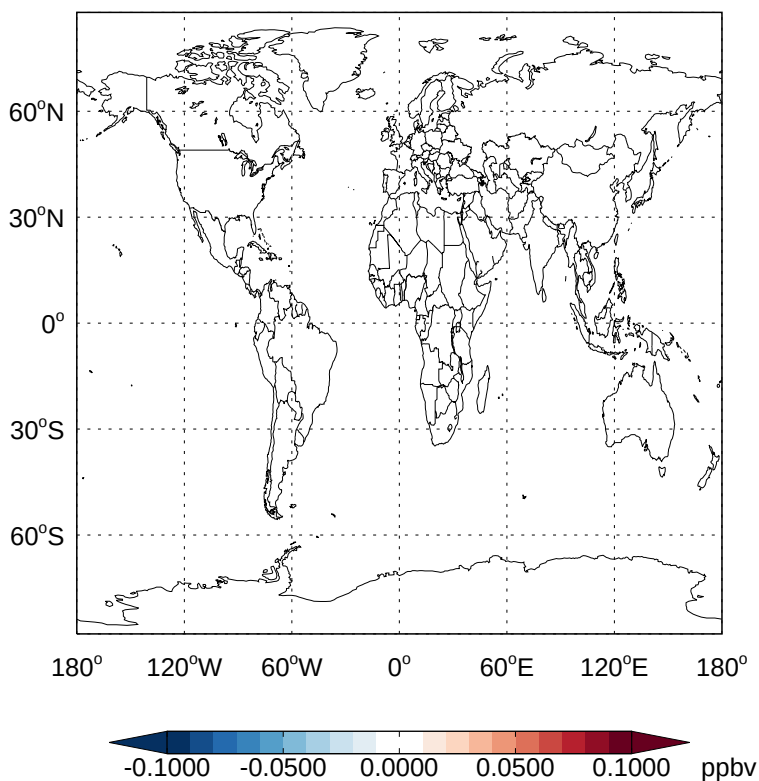
v11-02e-Run1 - v11-02e-Run0  
MONITS- Diff @ 500 hPa for Jan



v11-02e-Run1 - v11-02d-Run1  
MONITS - Diff @ Surface for Jan

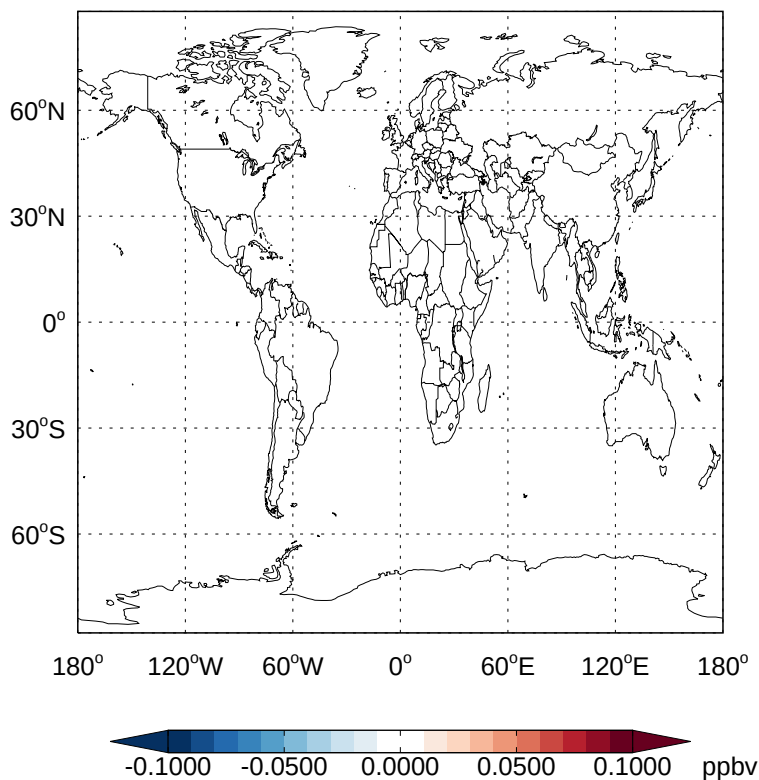


v11-02e-Run1 - v11-02d-Run1  
MONITS- Diff @ 500 hPa for Jan

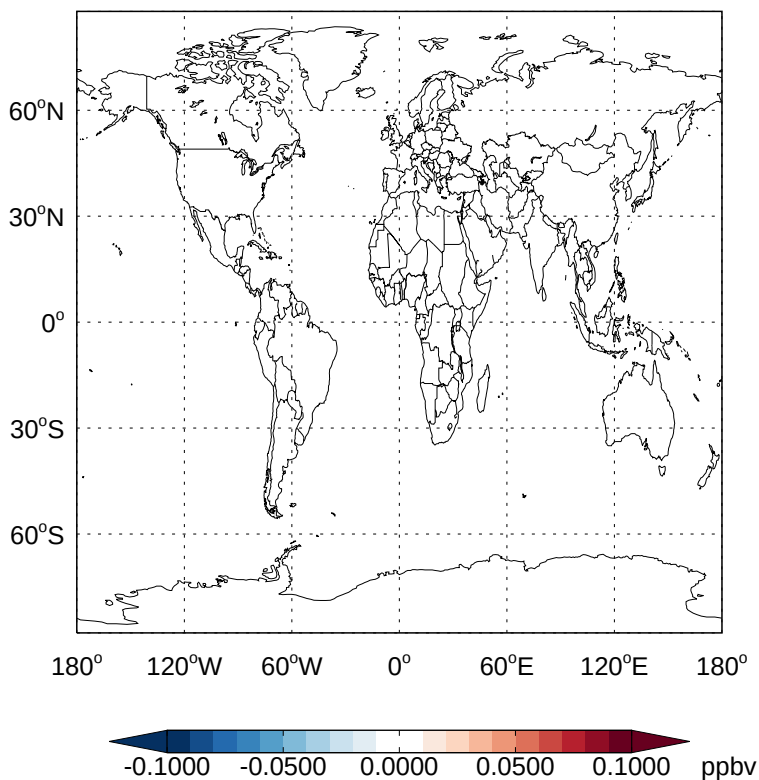


# GEOS-Chem Difference Maps at surface and 500 hPa

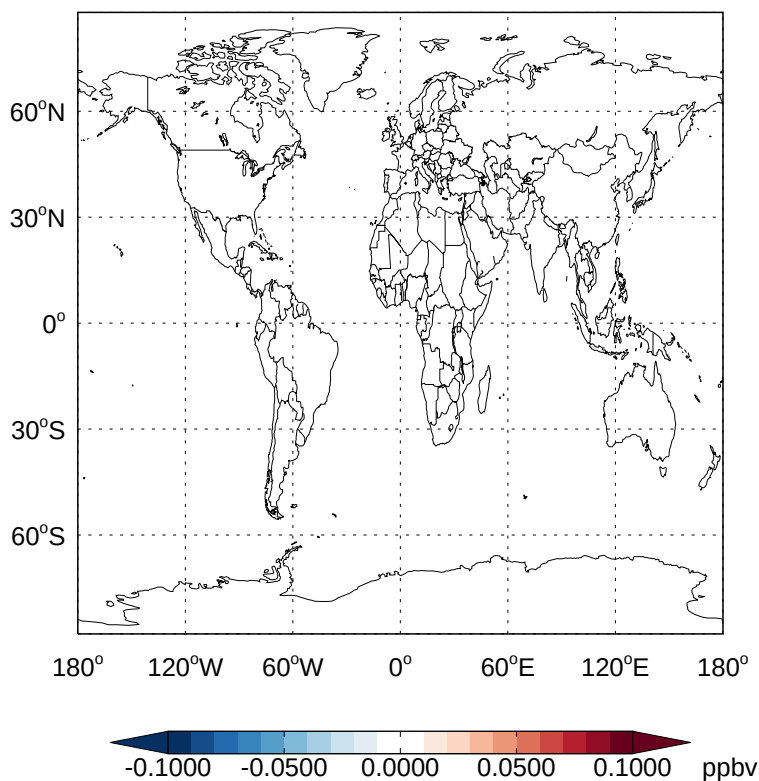
v11-02e-Run1 - v11-02e-Run0  
MONITU - Diff @ Surface for Jan



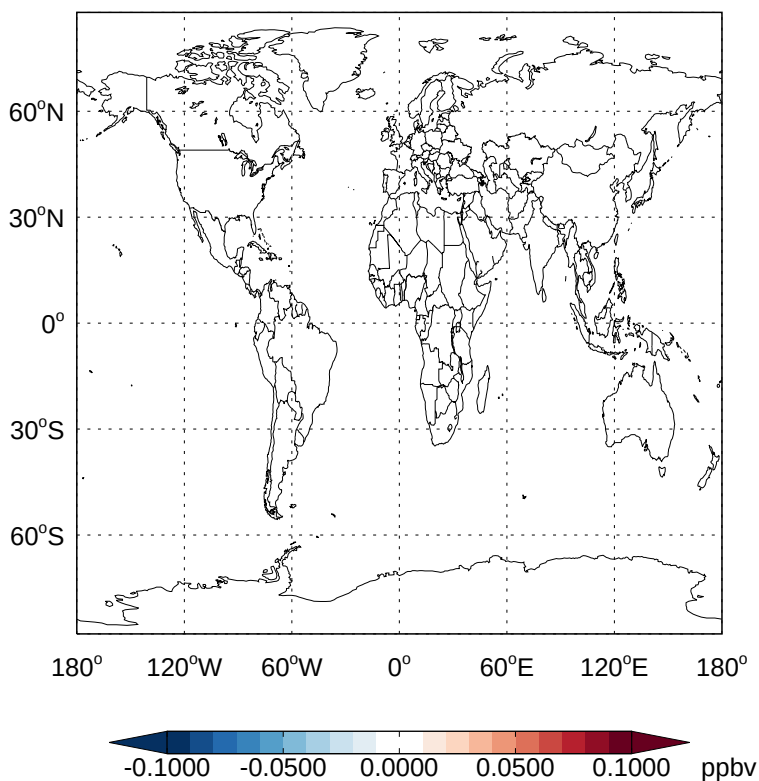
v11-02e-Run1 - v11-02e-Run0  
MONITU- Diff @ 500 hPa for Jan



v11-02e-Run1 - v11-02d-Run1  
MONITU - Diff @ Surface for Jan



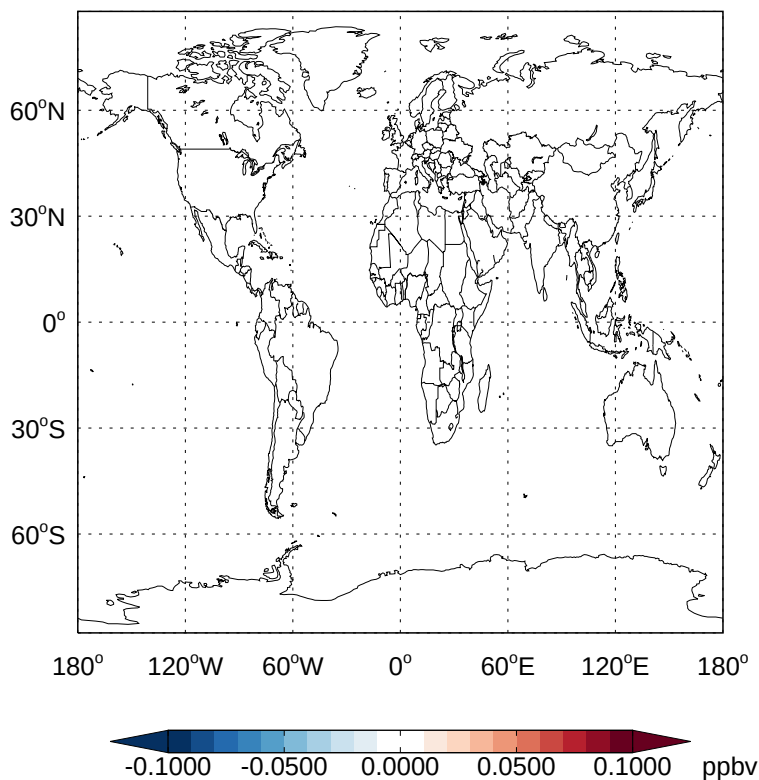
v11-02e-Run1 - v11-02d-Run1  
MONITU- Diff @ 500 hPa for Jan



# GEOS-Chem Difference Maps at surface and 500 hPa

v11-02e-Run1 - v11-02e-Run0

HONIT - Diff @ Surface for Jan



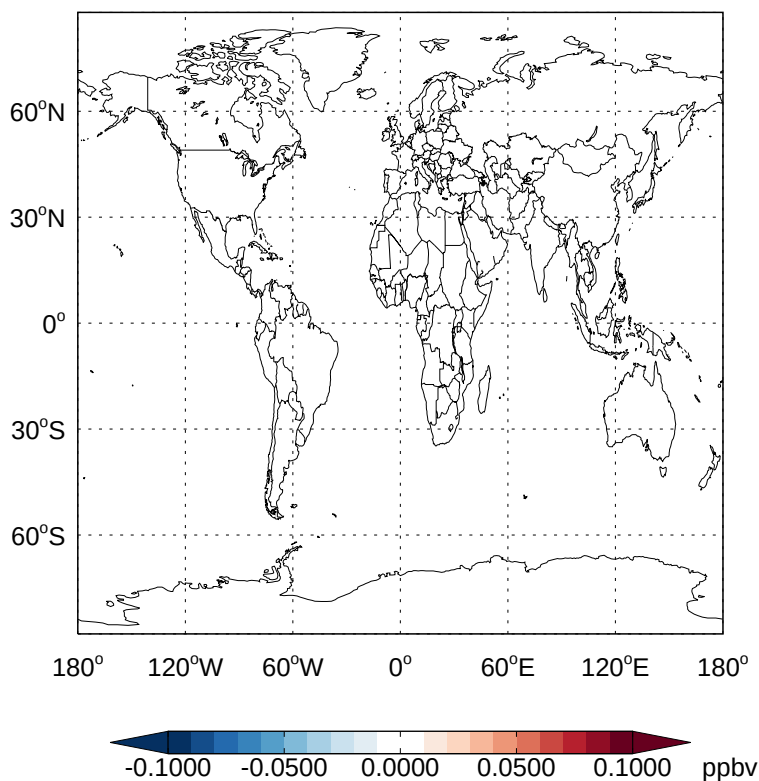
v11-02e-Run1 - v11-02e-Run0

HONIT- Diff @ 500 hPa for Jan



v11-02e-Run1 - v11-02d-Run1

HONIT - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

HONIT- Diff @ 500 hPa for Jan

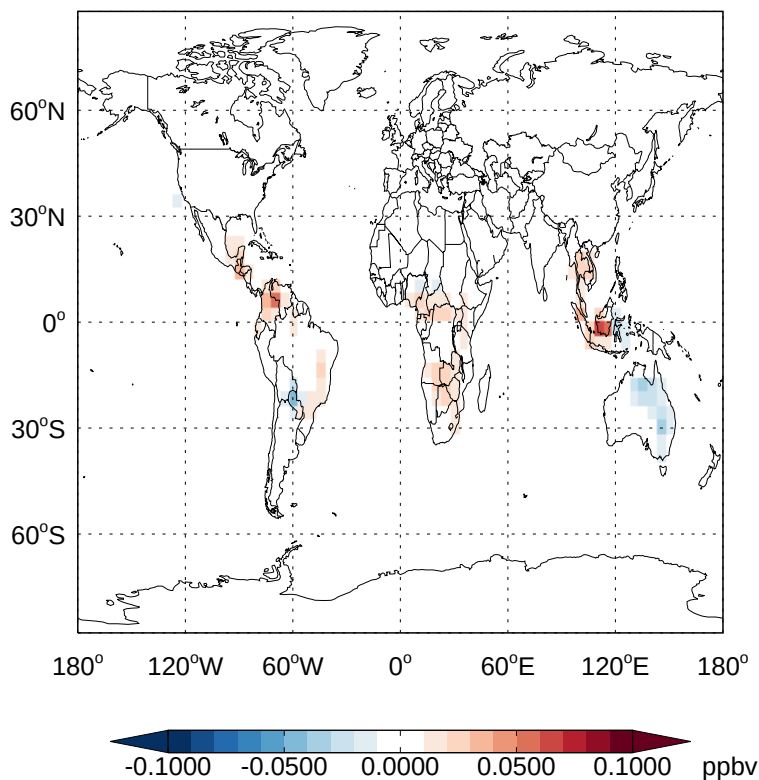




# GEOS-Chem Difference Maps at surface and 500 hPa

v11-02e-Run1 - v11-02e-Run0

IONITA - Diff @ Surface for Jan



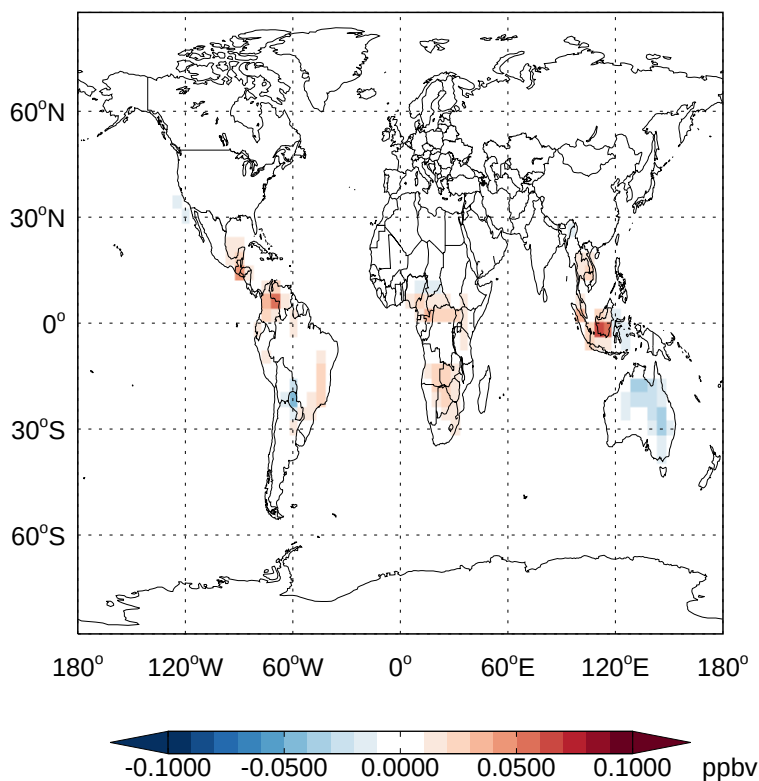
v11-02e-Run1 - v11-02e-Run0

IONITA- Diff @ 500 hPa for Jan



v11-02e-Run1 - v11-02d-Run1

IONITA - Diff @ Surface for Jan



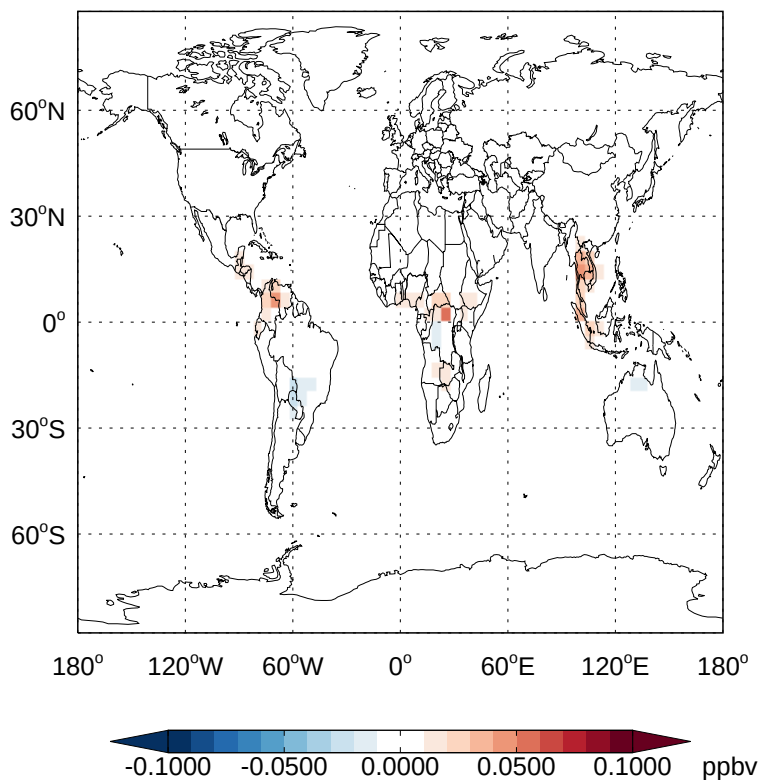
v11-02e-Run1 - v11-02d-Run1

IONITA- Diff @ 500 hPa for Jan

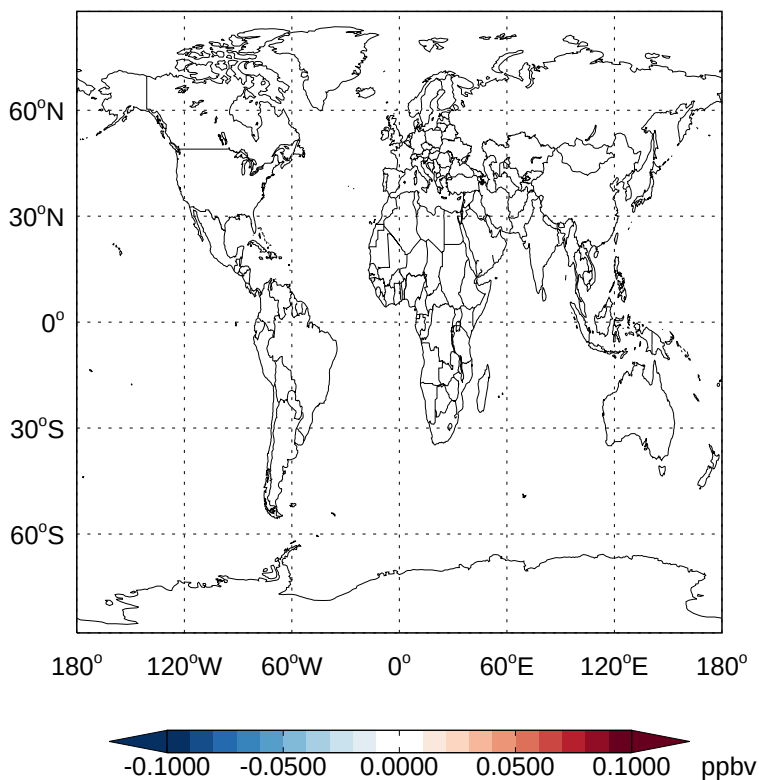


# GEOS-Chem Difference Maps at surface and 500 hPa

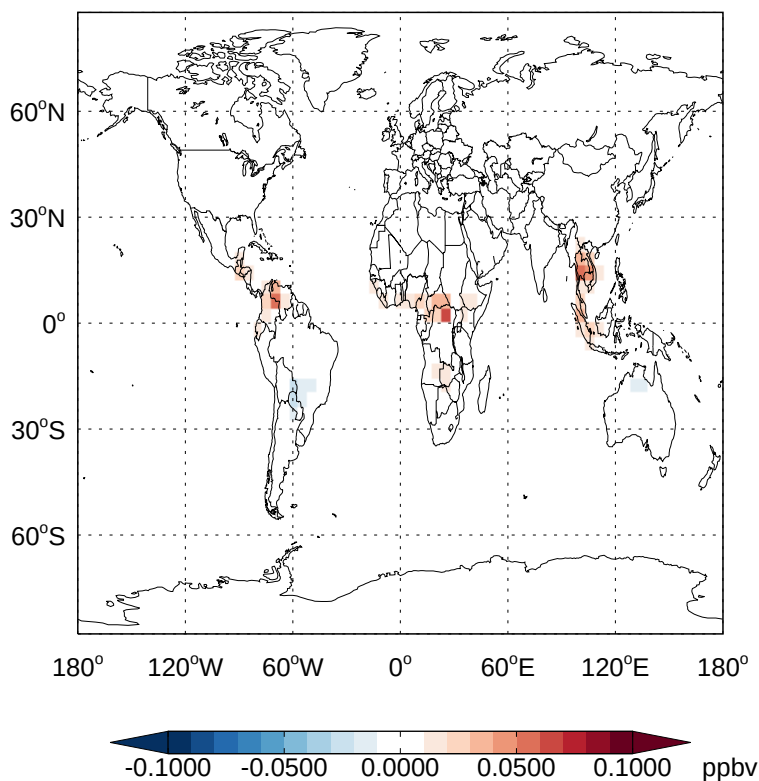
v11-02e-Run1 - v11-02e-Run0  
MONITA - Diff @ Surface for Jan



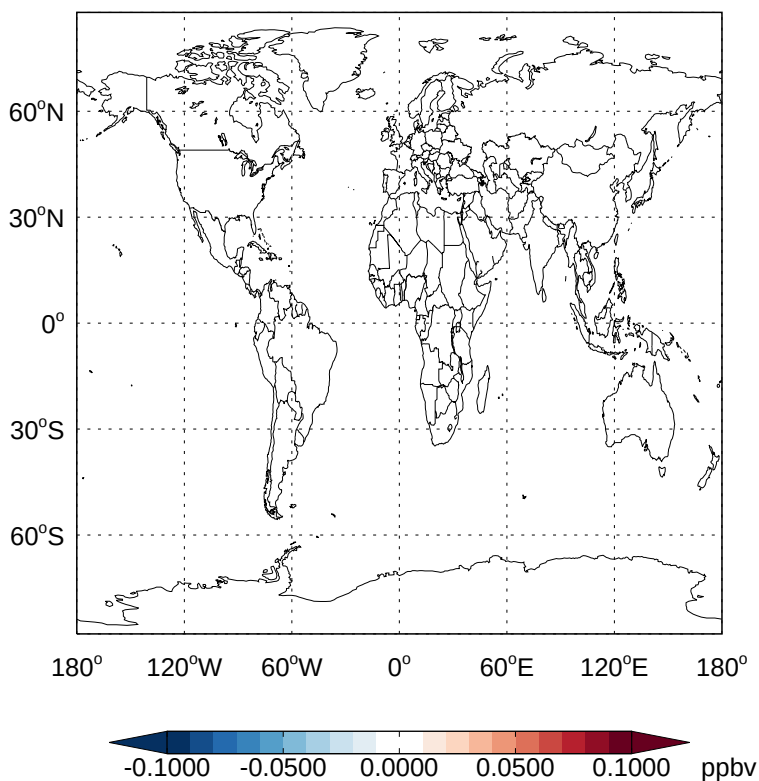
v11-02e-Run1 - v11-02e-Run0  
MONITA- Diff @ 500 hPa for Jan



v11-02e-Run1 - v11-02d-Run1  
MONITA - Diff @ Surface for Jan



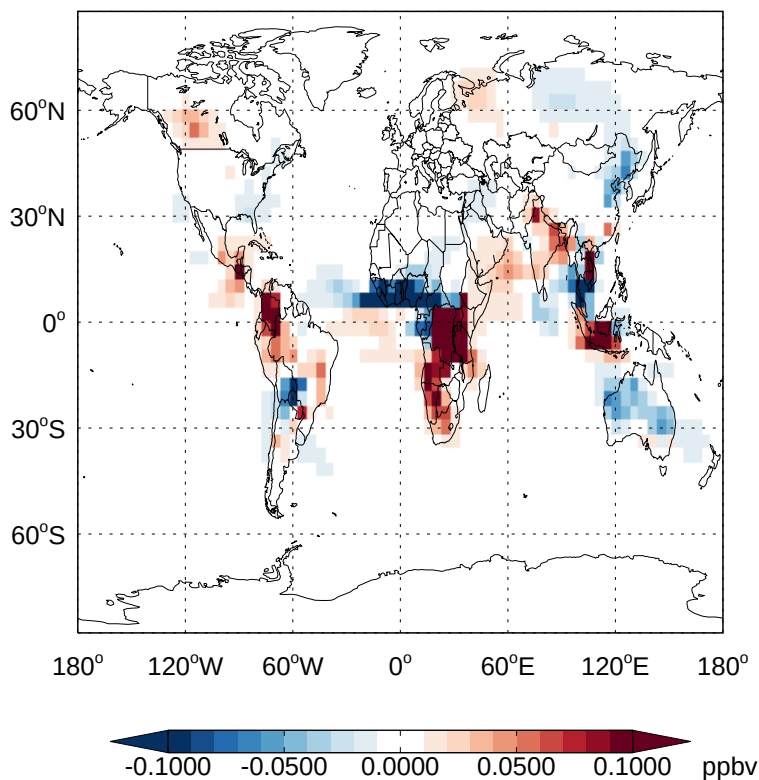
v11-02e-Run1 - v11-02d-Run1  
MONITA- Diff @ 500 hPa for Jan



## GEOS-Chem Difference Maps at surface and 500 hPa

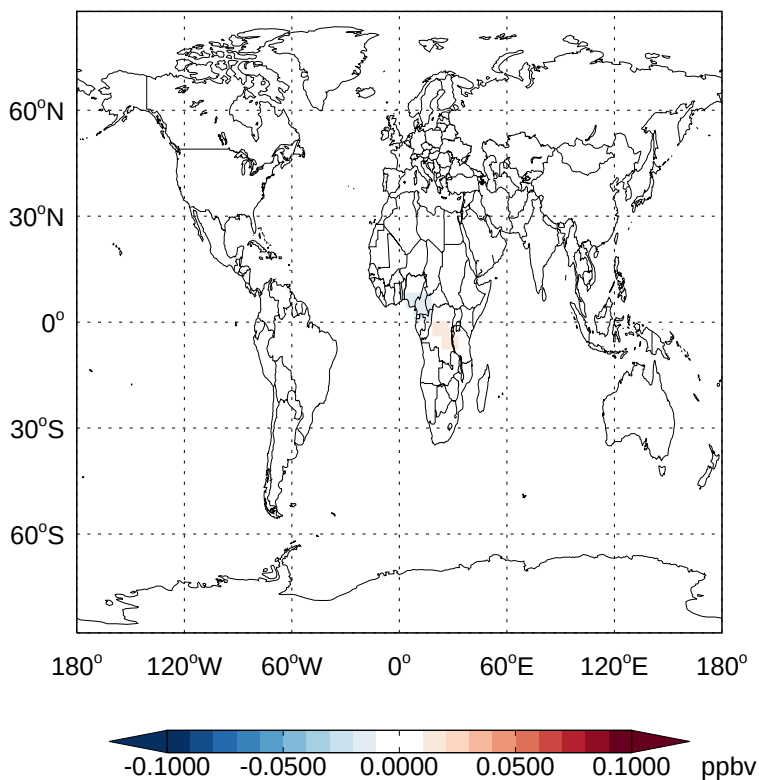
v11-02e-Run1 - v11-02e-Run0

INDIOL - Diff @ Surface for Jan



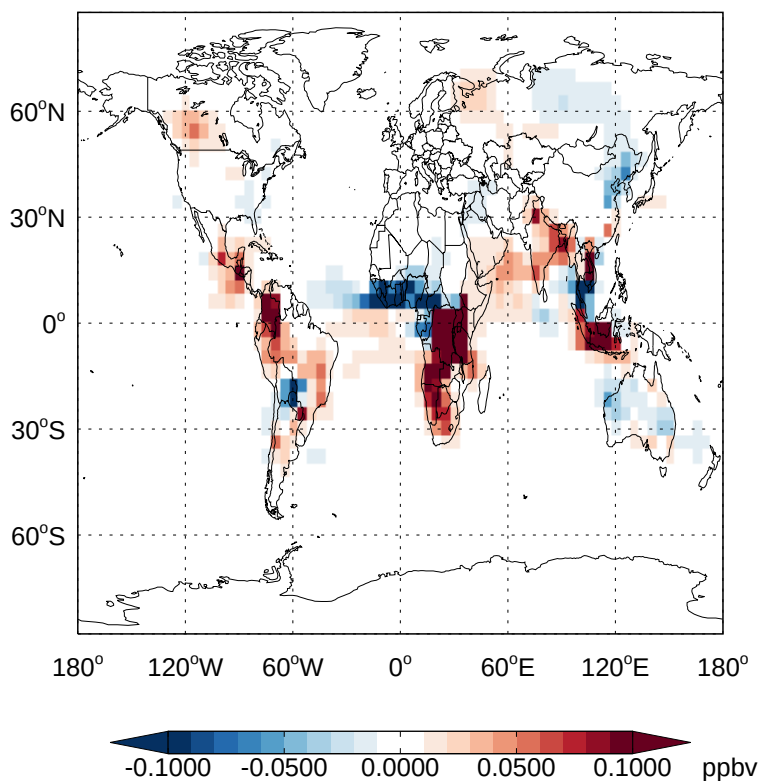
v11-02e-Run1 - v11-02e-Run0

INDIOL- Diff @ 500 hPa for Jan



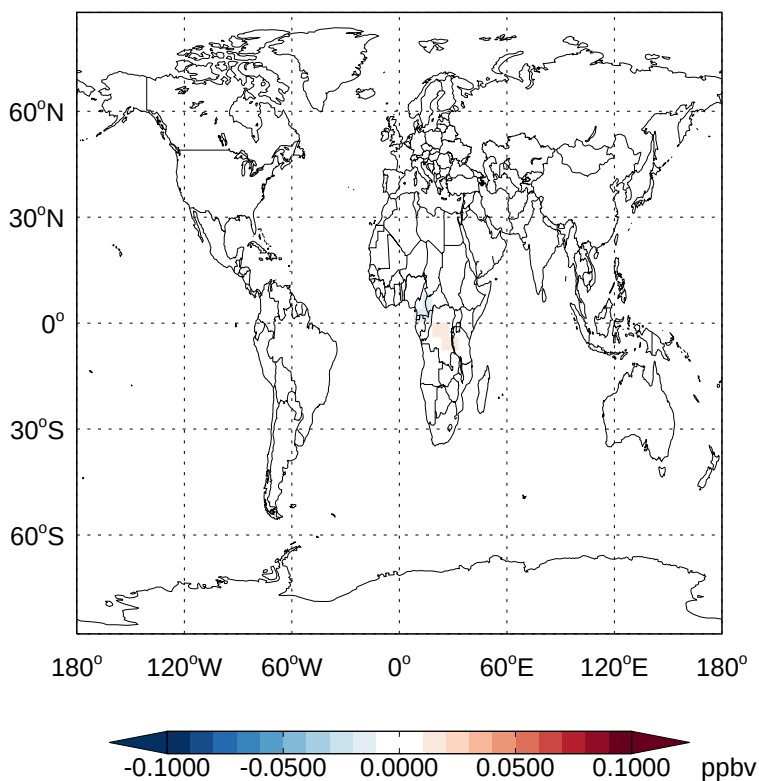
v11-02e-Run1 - v11-02d-Run1

INDIOL - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

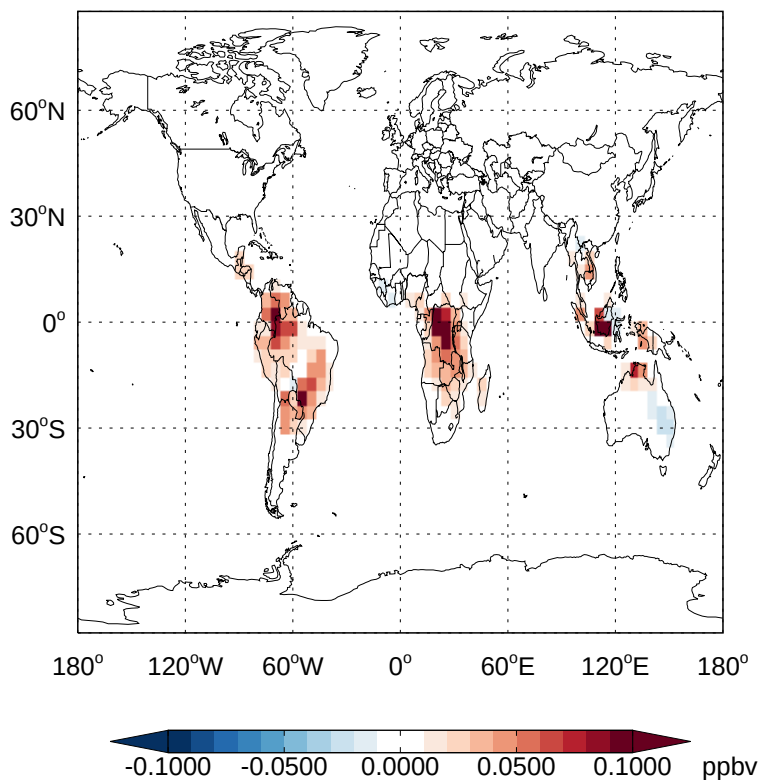
INDIOL- Diff @ 500 hPa for Jan



# GEOS-Chem Difference Maps at surface and 500 hPa

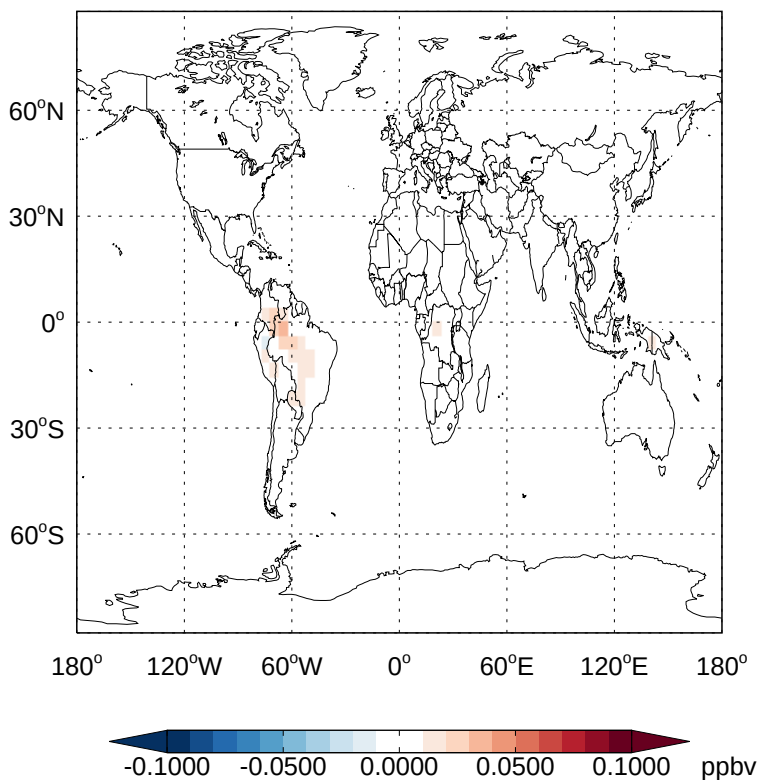
v11-02e-Run1 - v11-02e-Run0

IPMN - Diff @ Surface for Jan



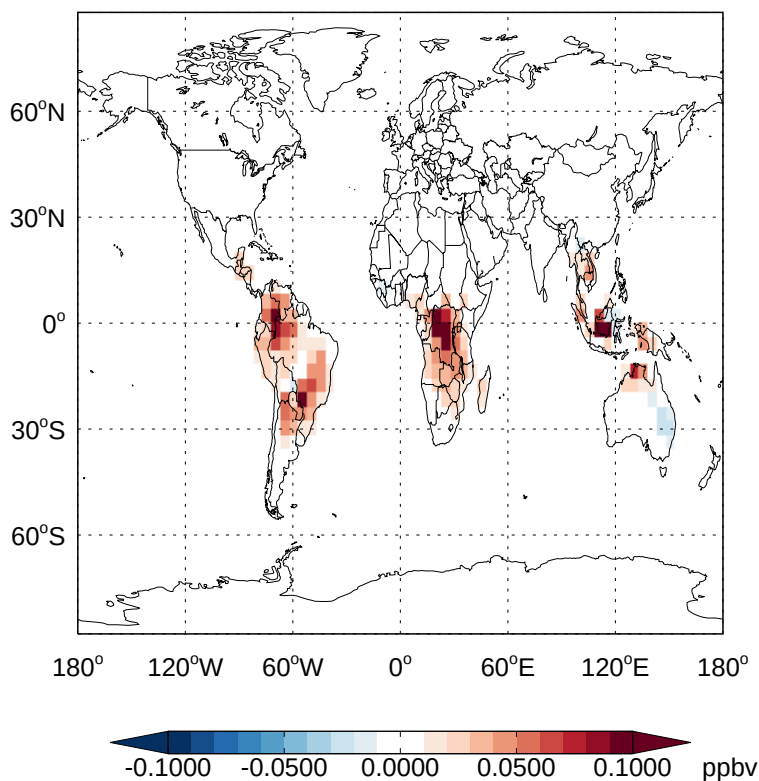
v11-02e-Run1 - v11-02e-Run0

IPMN- Diff @ 500 hPa for Jan



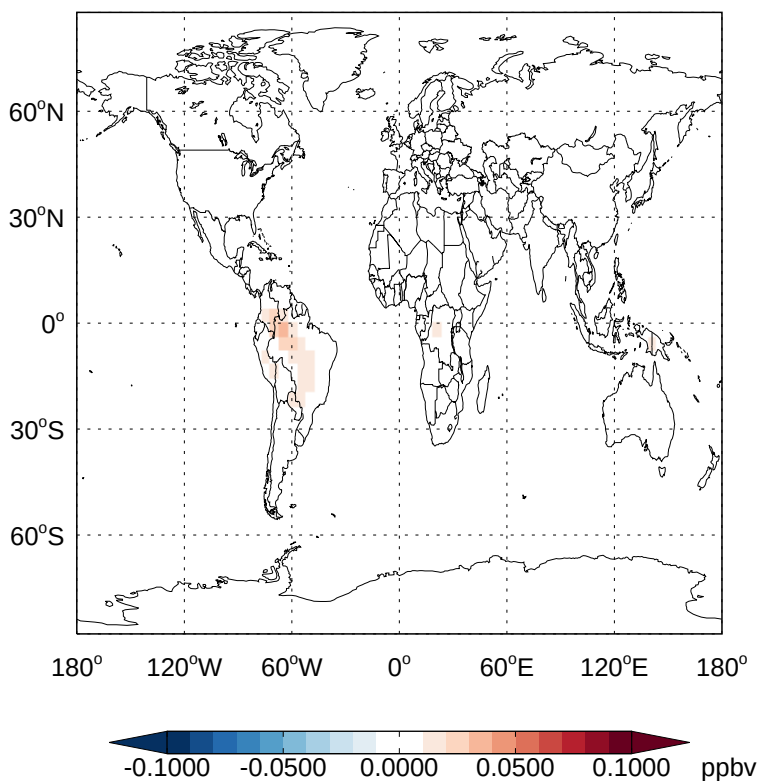
v11-02e-Run1 - v11-02d-Run1

IPMN - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

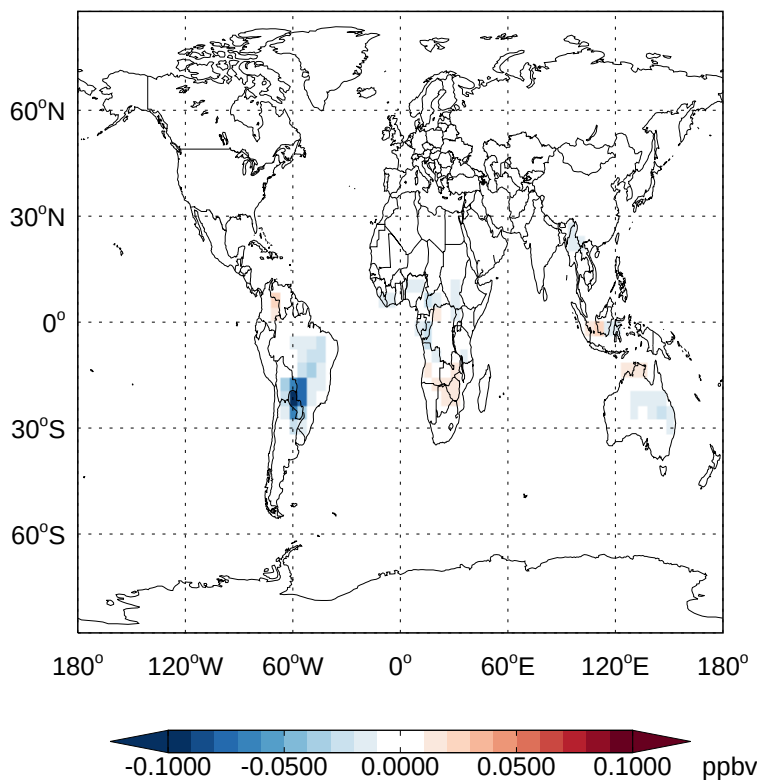
IPMN- Diff @ 500 hPa for Jan



# GEOS-Chem Difference Maps at surface and 500 hPa

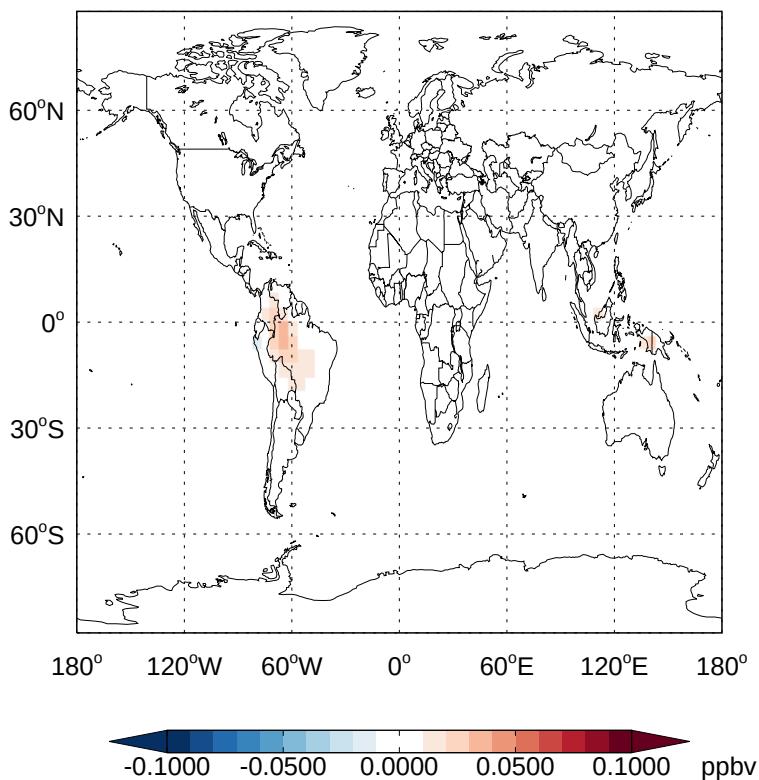
v11-02e-Run1 - v11-02e-Run0

HC187 - Diff @ Surface for Jan



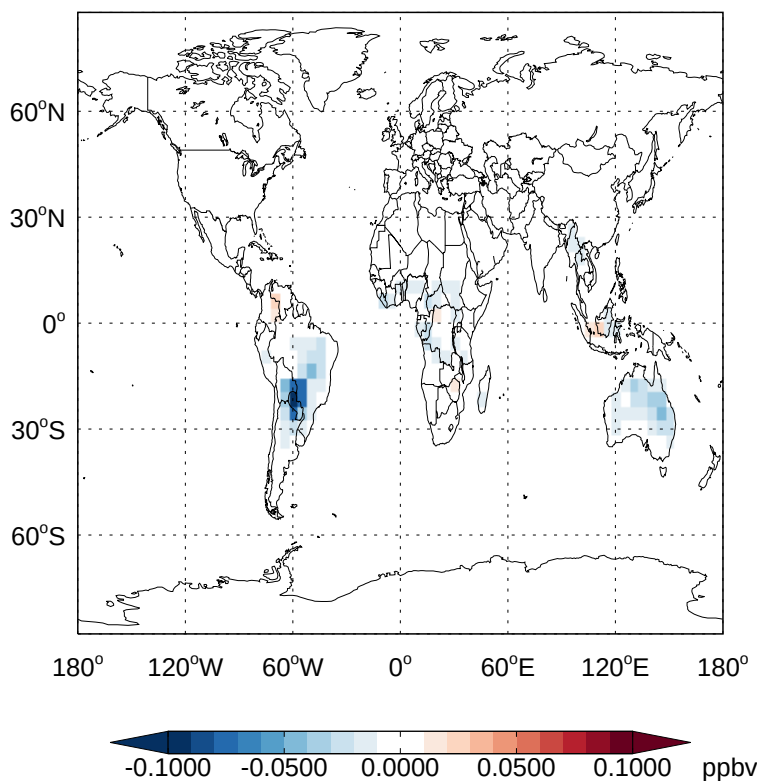
v11-02e-Run1 - v11-02e-Run0

HC187- Diff @ 500 hPa for Jan



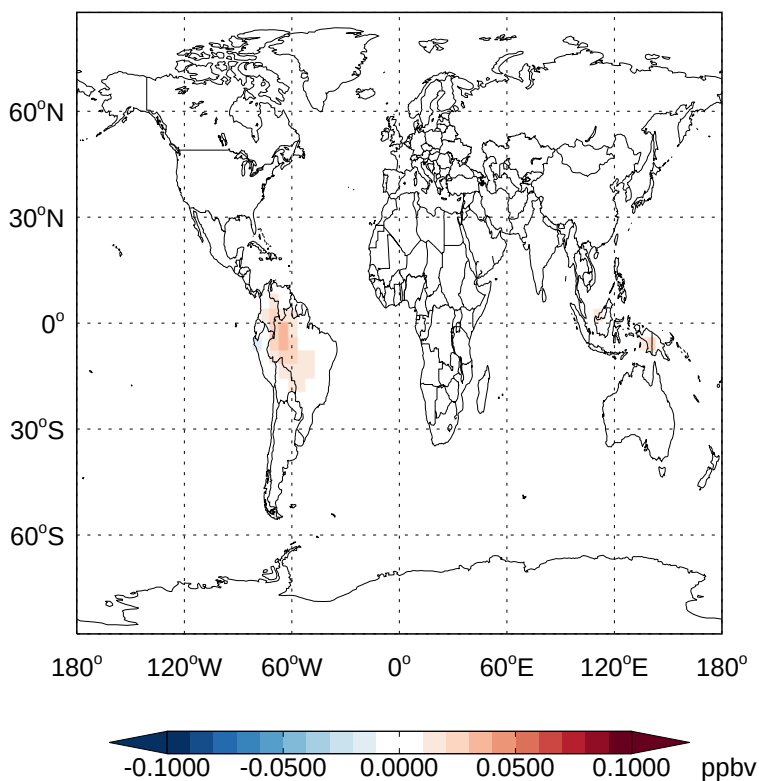
v11-02e-Run1 - v11-02d-Run1

HC187 - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

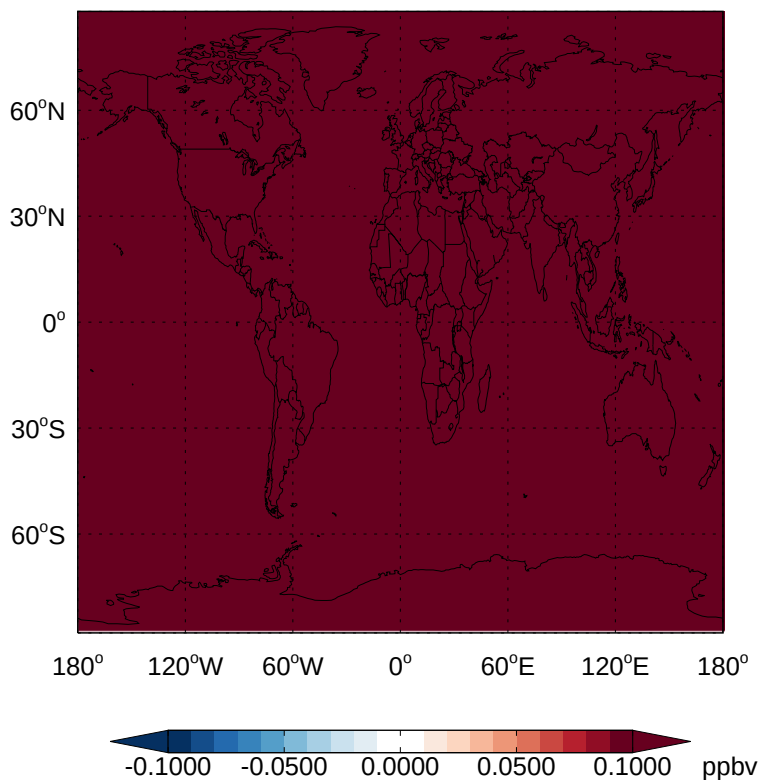
HC187- Diff @ 500 hPa for Jan



# GEOS-Chem Difference Maps at surface and 500 hPa

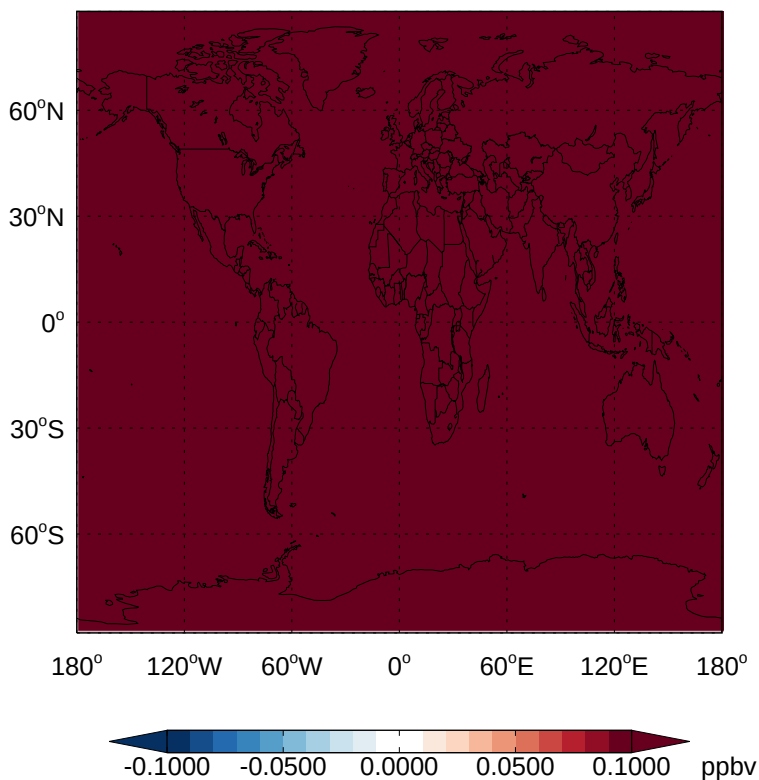
v11-02e-Run1 - v11-02e-Run0

N<sub>2</sub>O - Diff @ Surface for Jan



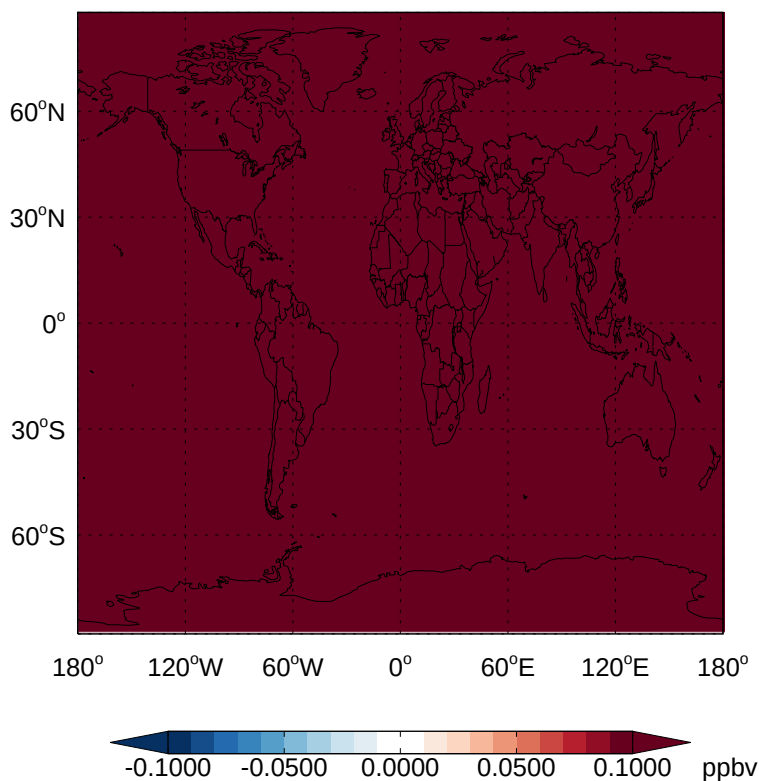
v11-02e-Run1 - v11-02e-Run0

N<sub>2</sub>O - Diff @ 500 hPa for Jan



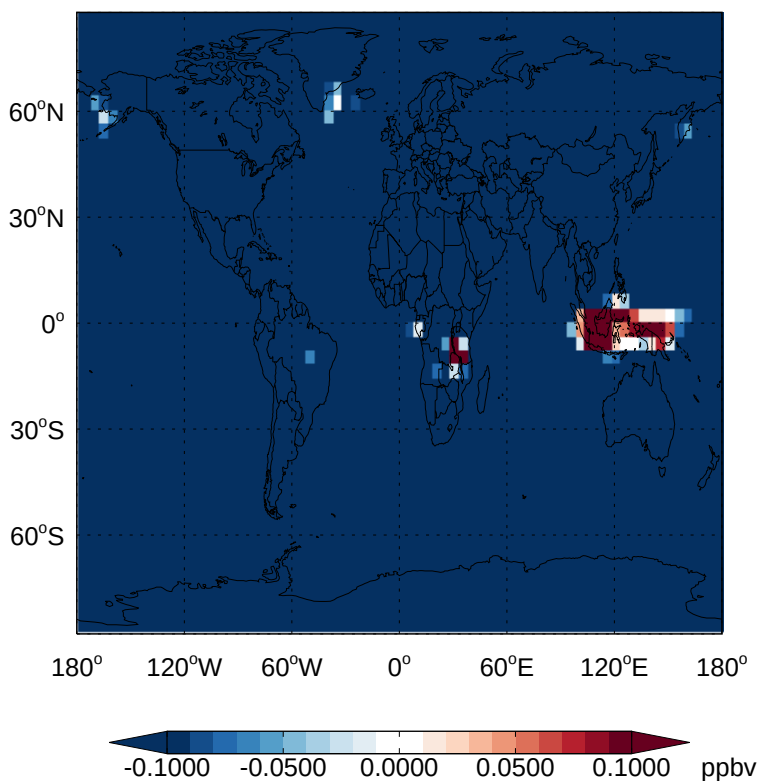
v11-02e-Run1 - v11-02d-Run1

N<sub>2</sub>O - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

N<sub>2</sub>O - Diff @ 500 hPa for Jan

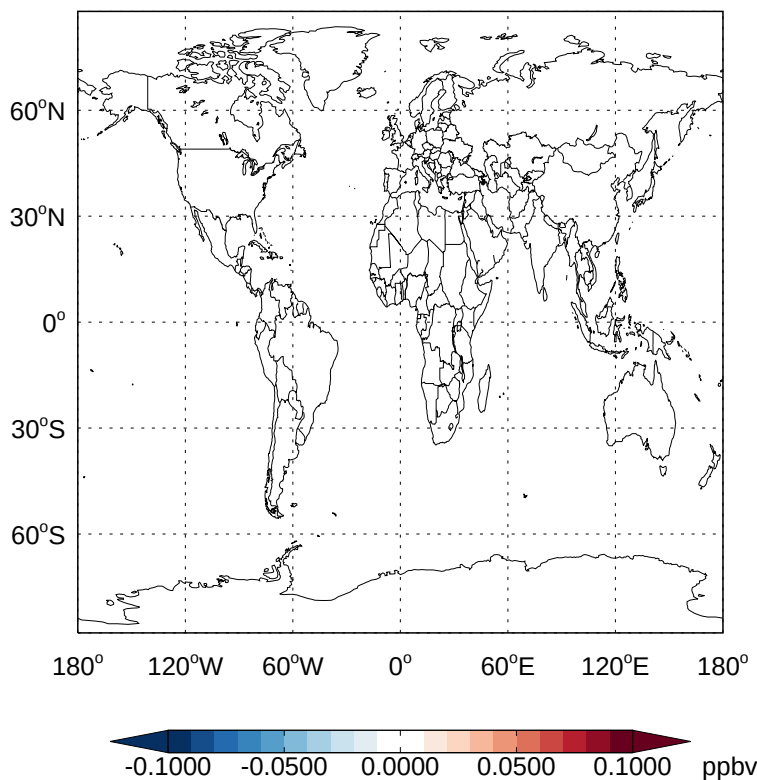




# GEOS-Chem Difference Maps at surface and 500 hPa

v11-02e-Run1 - v11-02e-Run0

OCS - Diff @ Surface for Jan



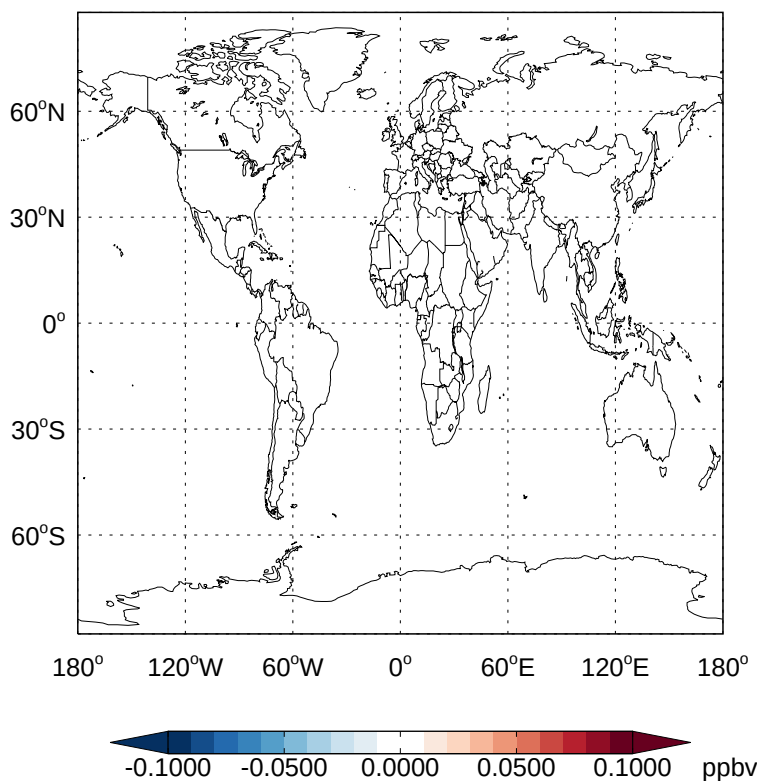
v11-02e-Run1 - v11-02e-Run0

OCS- Diff @ 500 hPa for Jan



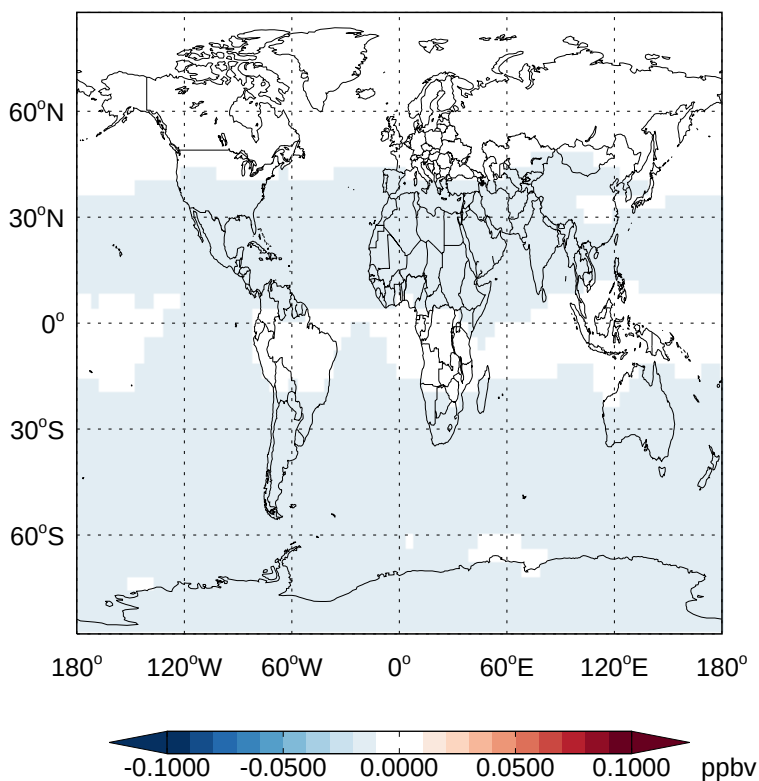
v11-02e-Run1 - v11-02d-Run1

OCS - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

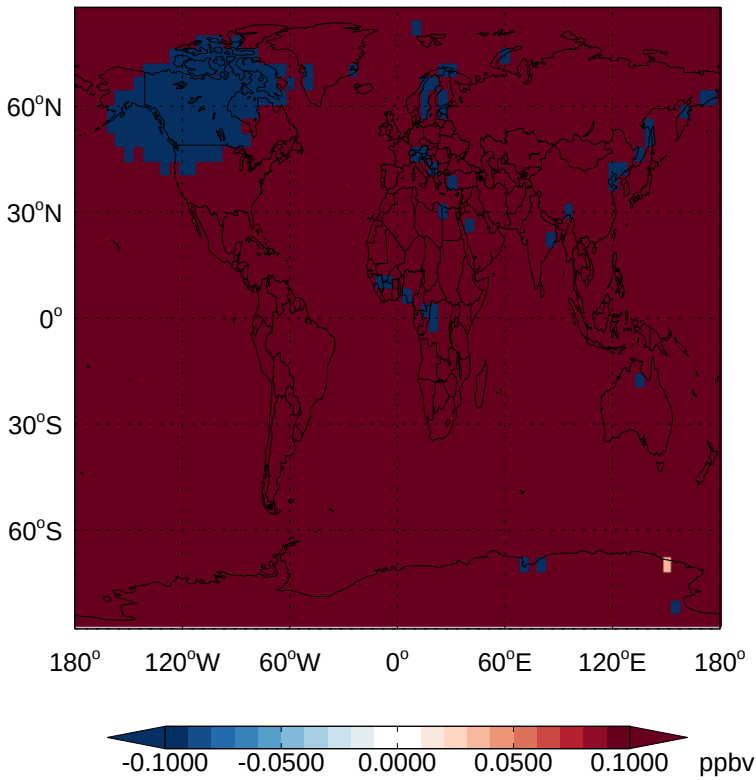
OCS- Diff @ 500 hPa for Jan



# GEOS-Chem Difference Maps at surface and 500 hPa

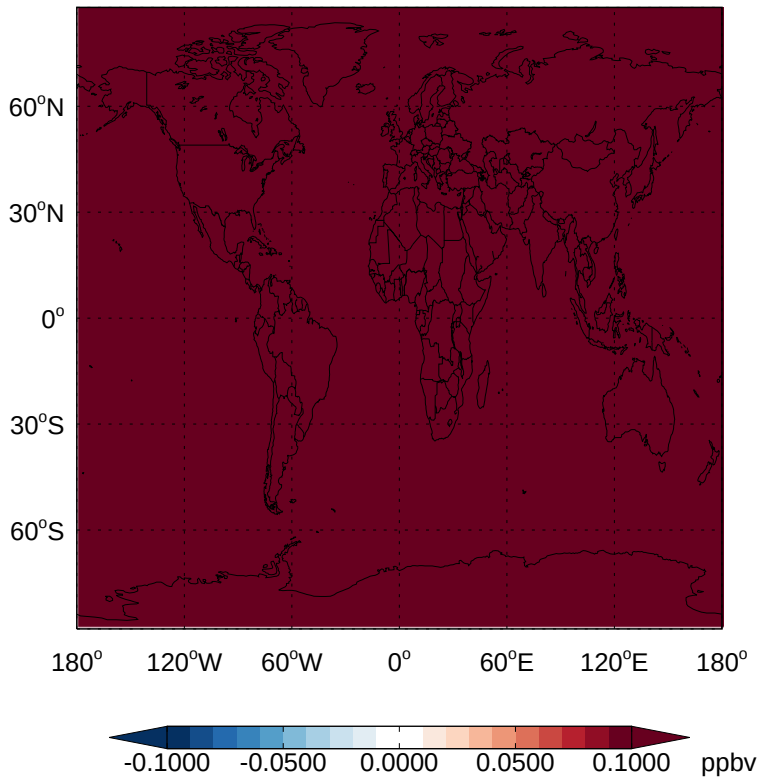
v11-02e-Run1 - v11-02e-Run0

CH<sub>4</sub> - Diff @ Surface for Jan



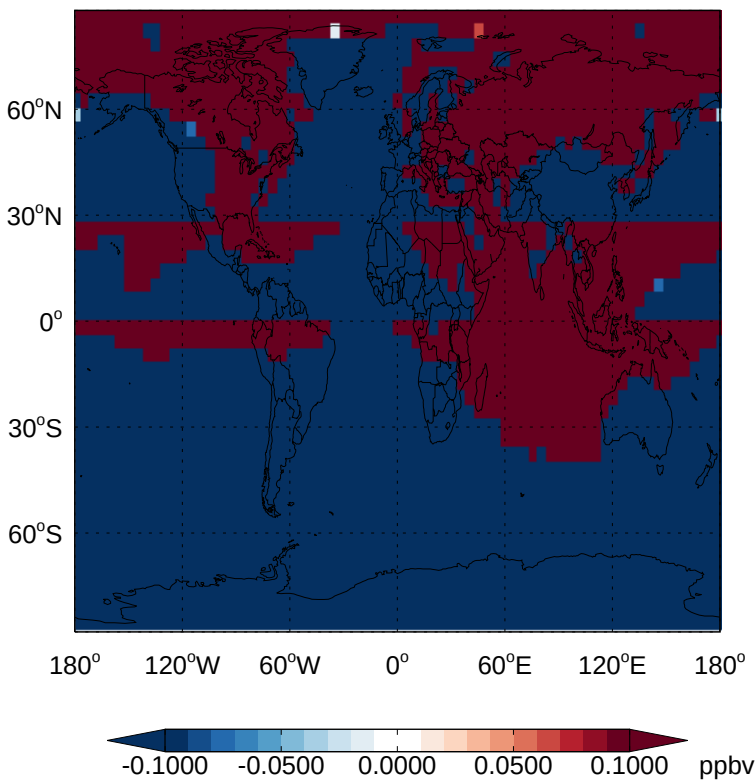
v11-02e-Run1 - v11-02e-Run0

CH<sub>4</sub>- Diff @ 500 hPa for Jan



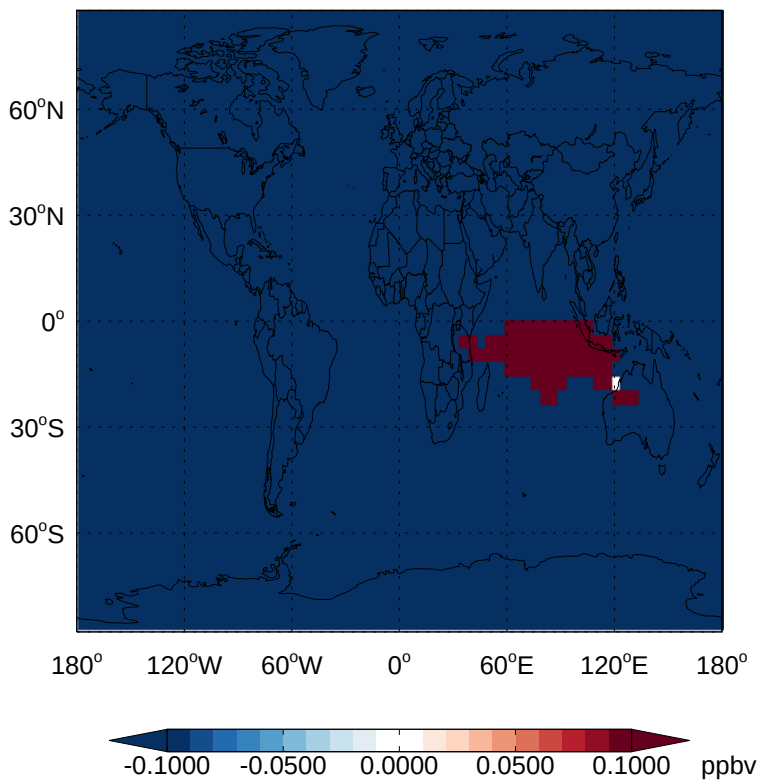
v11-02e-Run1 - v11-02d-Run1

CH<sub>4</sub> - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

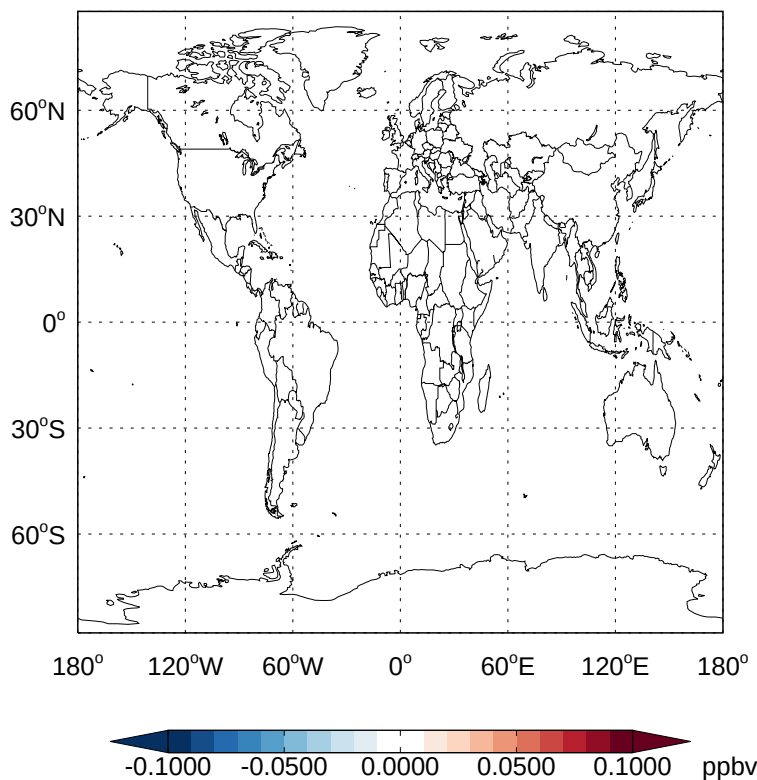
CH<sub>4</sub>- Diff @ 500 hPa for Jan



# GEOS-Chem Difference Maps at surface and 500 hPa

v11-02e-Run1 - v11-02e-Run0

BrCl - Diff @ Surface for Jan



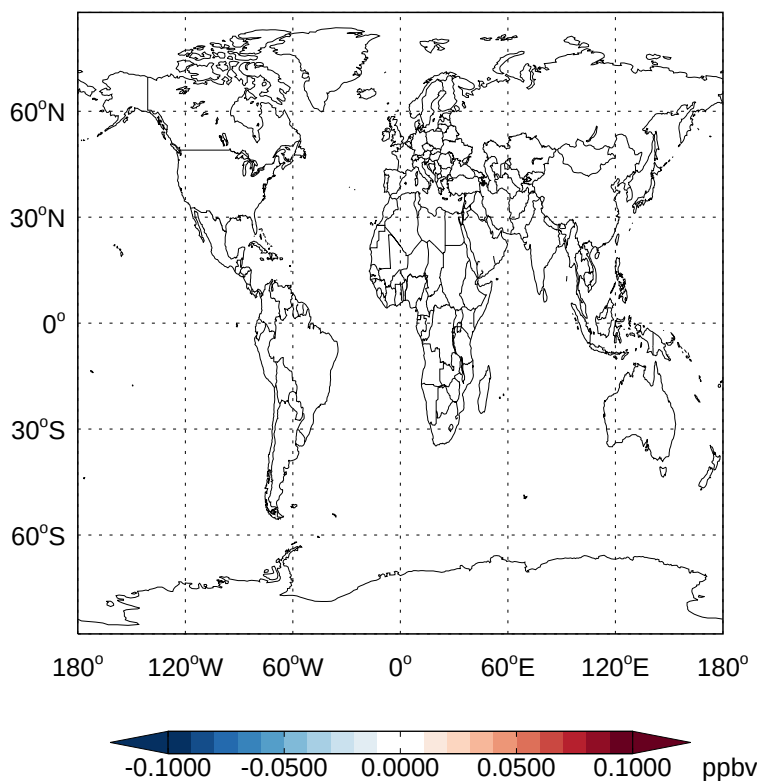
v11-02e-Run1 - v11-02e-Run0

BrCl- Diff @ 500 hPa for Jan



v11-02e-Run1 - v11-02d-Run1

BrCl - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

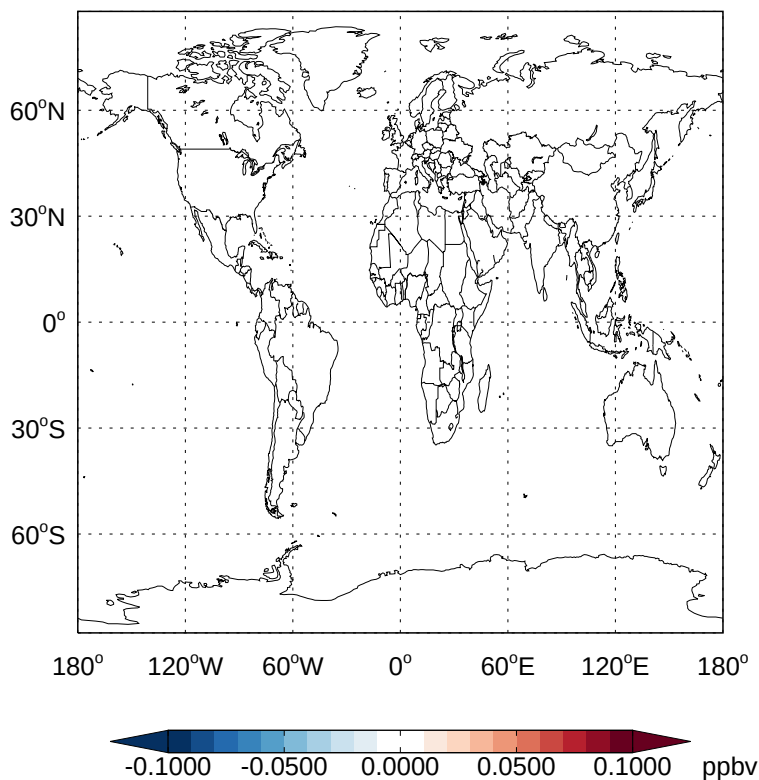
BrCl- Diff @ 500 hPa for Jan



# GEOS-Chem Difference Maps at surface and 500 hPa

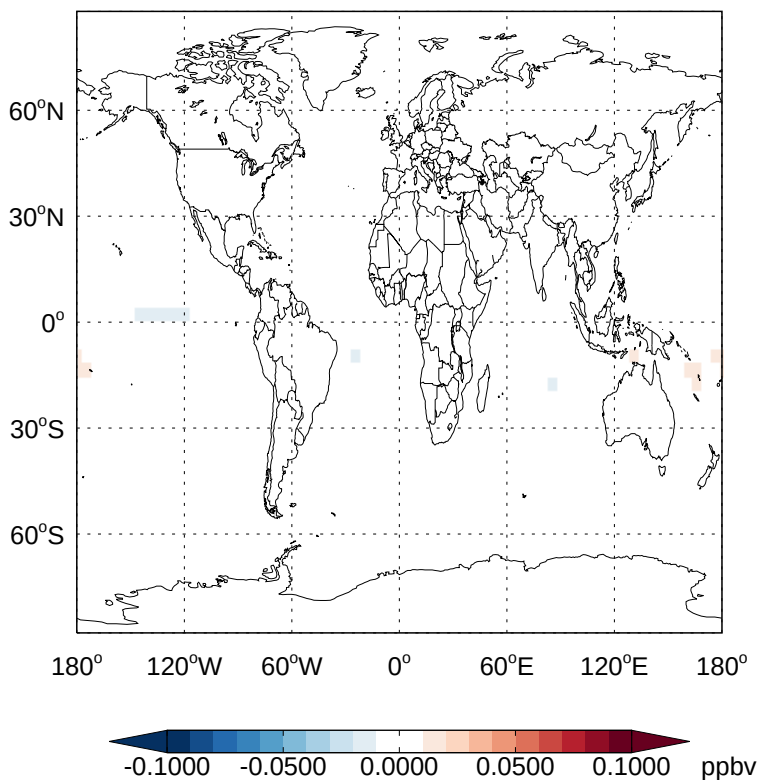
v11-02e-Run1 - v11-02e-Run0

HCl - Diff @ Surface for Jan



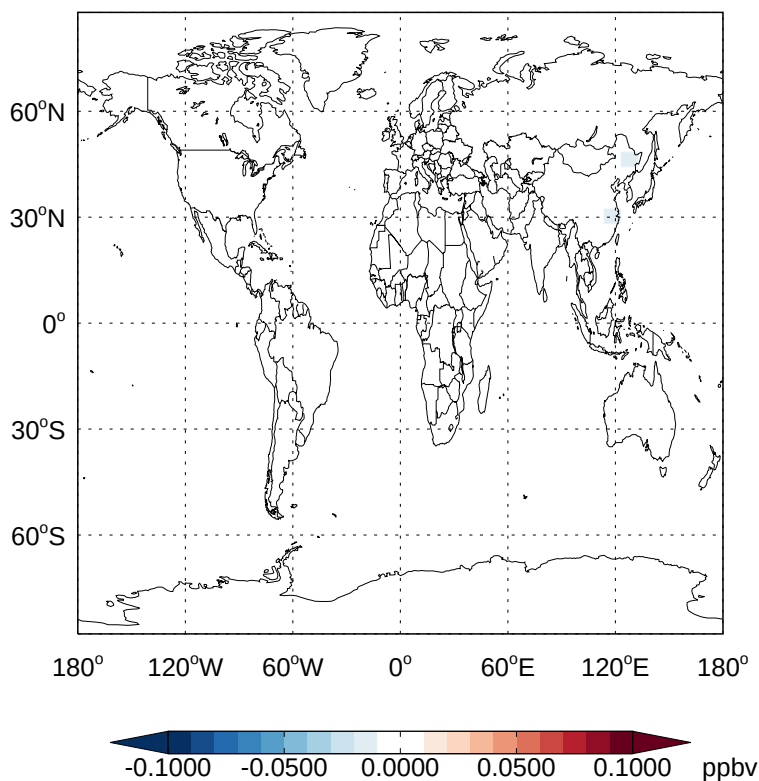
v11-02e-Run1 - v11-02e-Run0

HCl- Diff @ 500 hPa for Jan



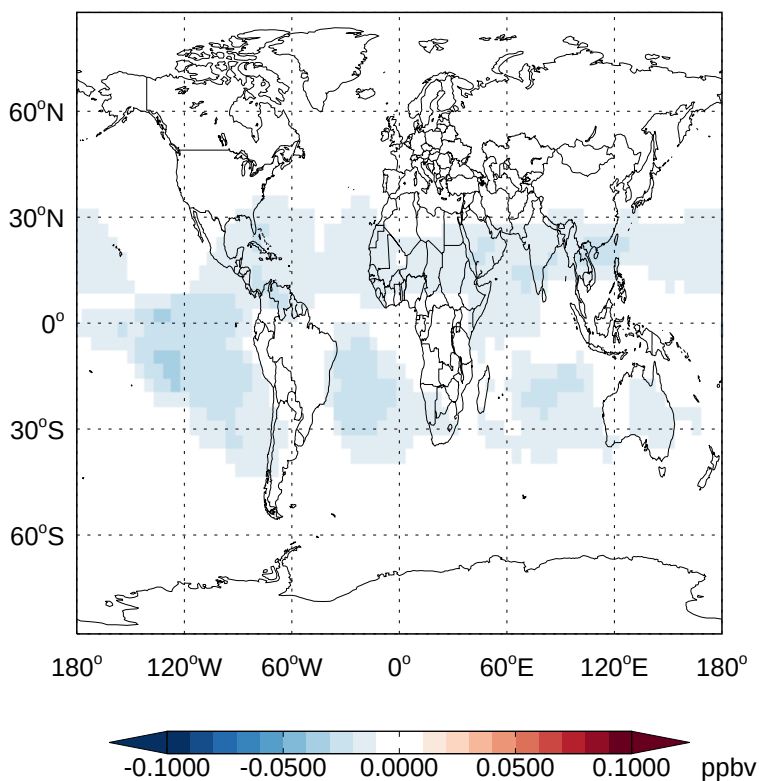
v11-02e-Run1 - v11-02d-Run1

HCl - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

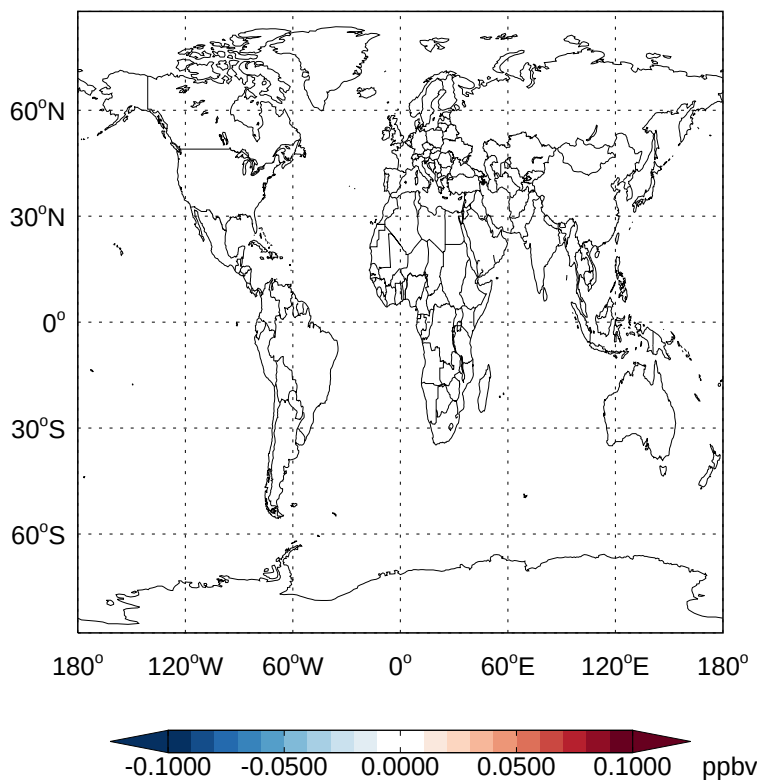
HCl- Diff @ 500 hPa for Jan



# GEOS-Chem Difference Maps at surface and 500 hPa

v11-02e-Run1 - v11-02e-Run0

CCl4 - Diff @ Surface for Jan



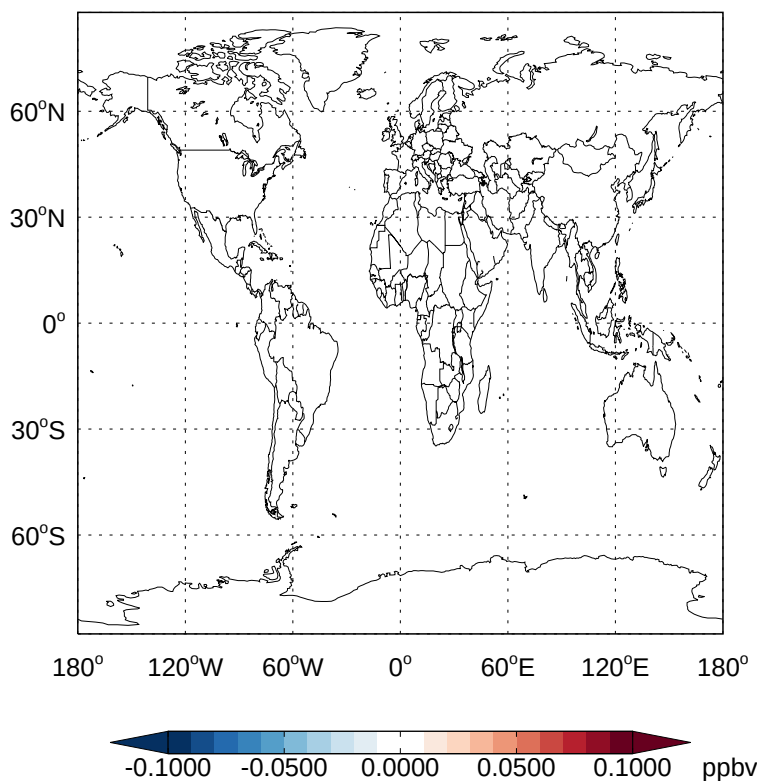
v11-02e-Run1 - v11-02e-Run0

CCl4- Diff @ 500 hPa for Jan



v11-02e-Run1 - v11-02d-Run1

CCl4 - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

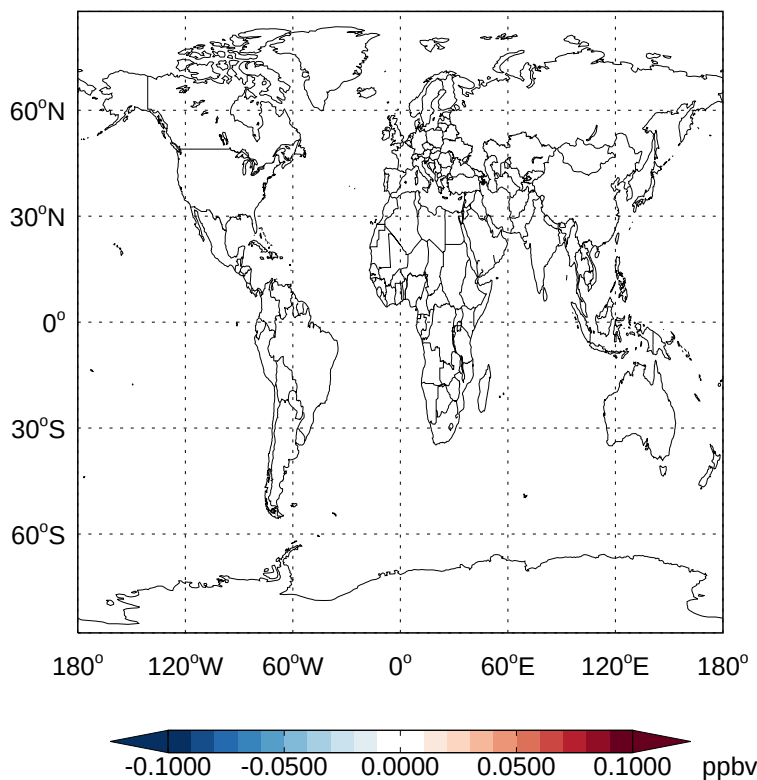
CCl4- Diff @ 500 hPa for Jan



# GEOS-Chem Difference Maps at surface and 500 hPa

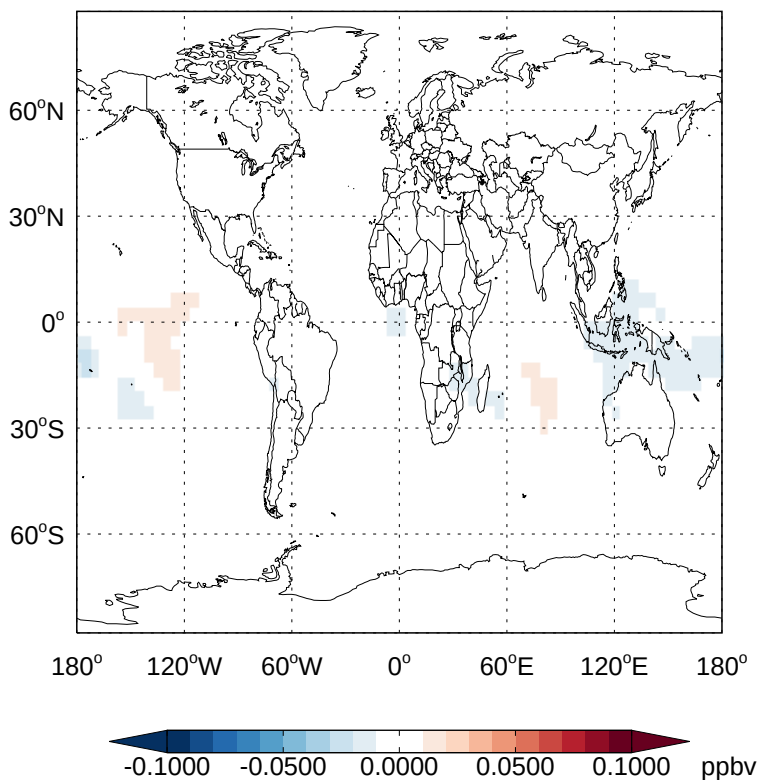
v11-02e-Run1 - v11-02e-Run0

CH<sub>3</sub>Cl - Diff @ Surface for Jan



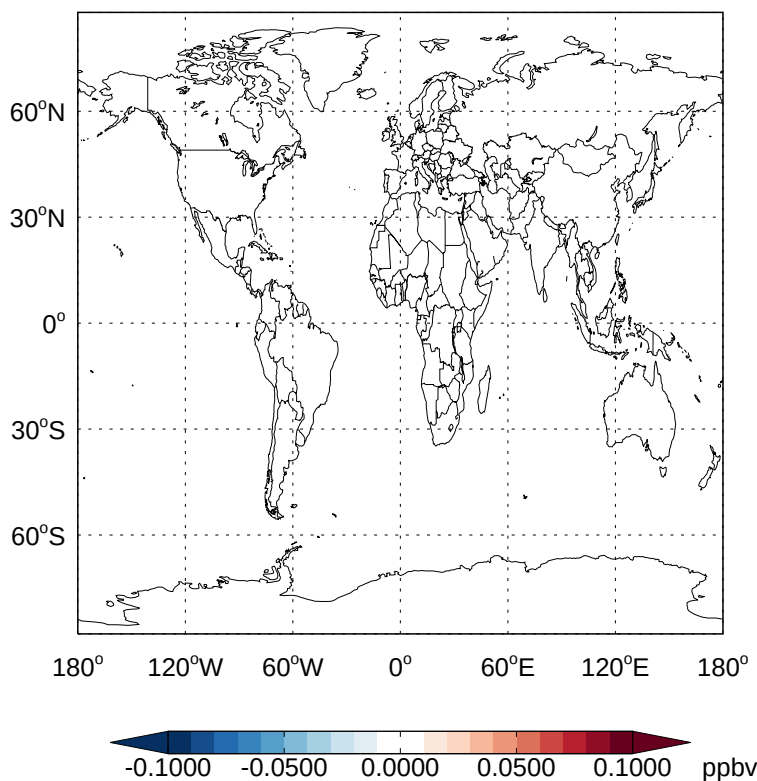
v11-02e-Run1 - v11-02e-Run0

CH<sub>3</sub>Cl- Diff @ 500 hPa for Jan



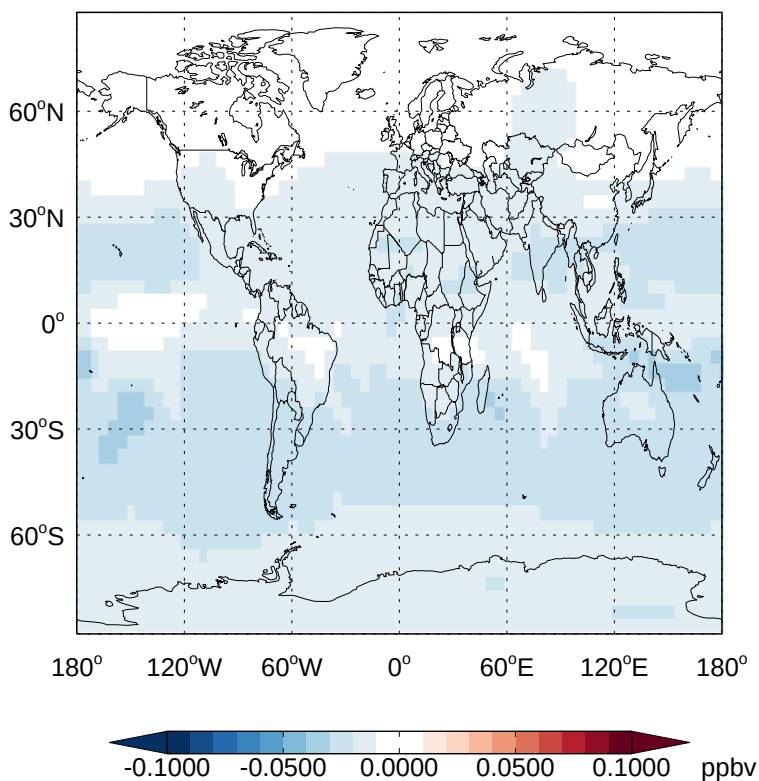
v11-02e-Run1 - v11-02d-Run1

CH<sub>3</sub>Cl - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

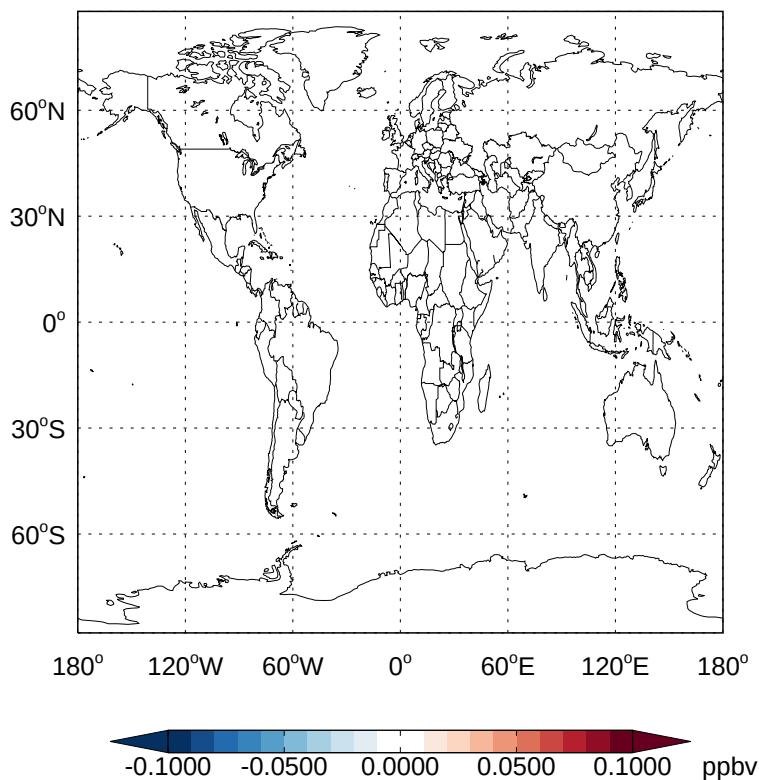
CH<sub>3</sub>Cl- Diff @ 500 hPa for Jan



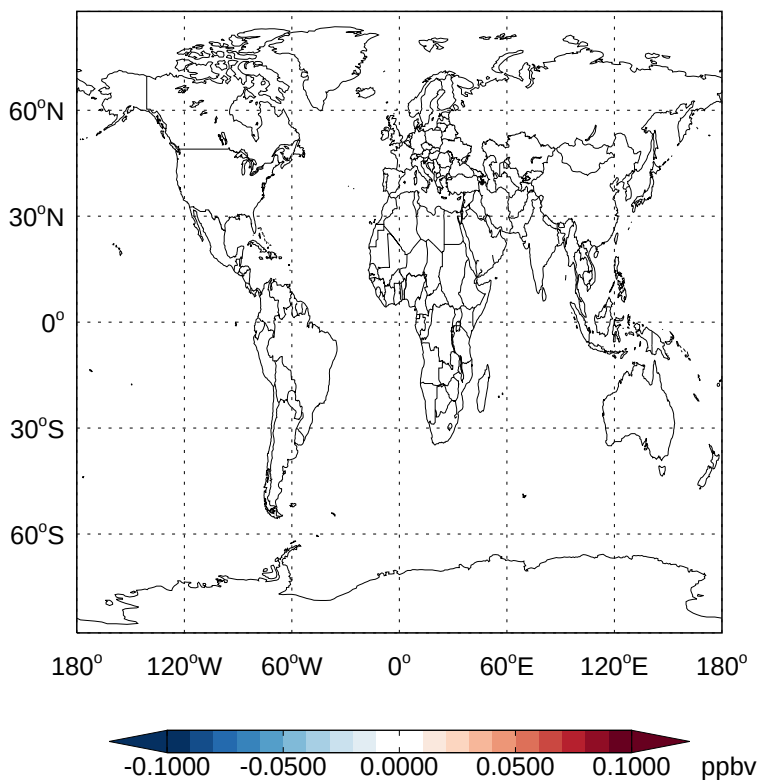


# GEOS-Chem Difference Maps at surface and 500 hPa

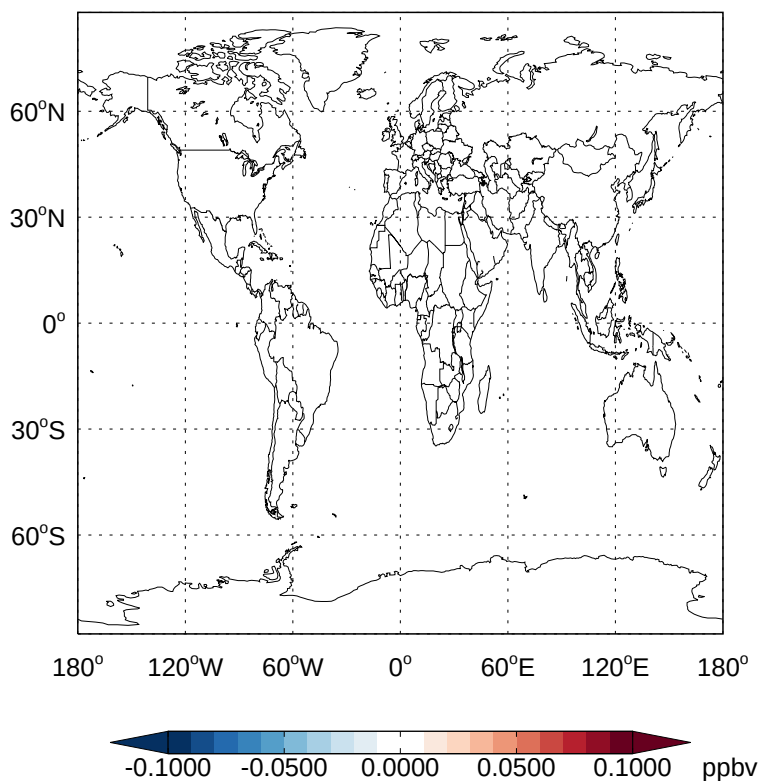
v11-02e-Run1 - v11-02e-Run0  
CH<sub>3</sub>CCl<sub>3</sub> - Diff @ Surface for Jan



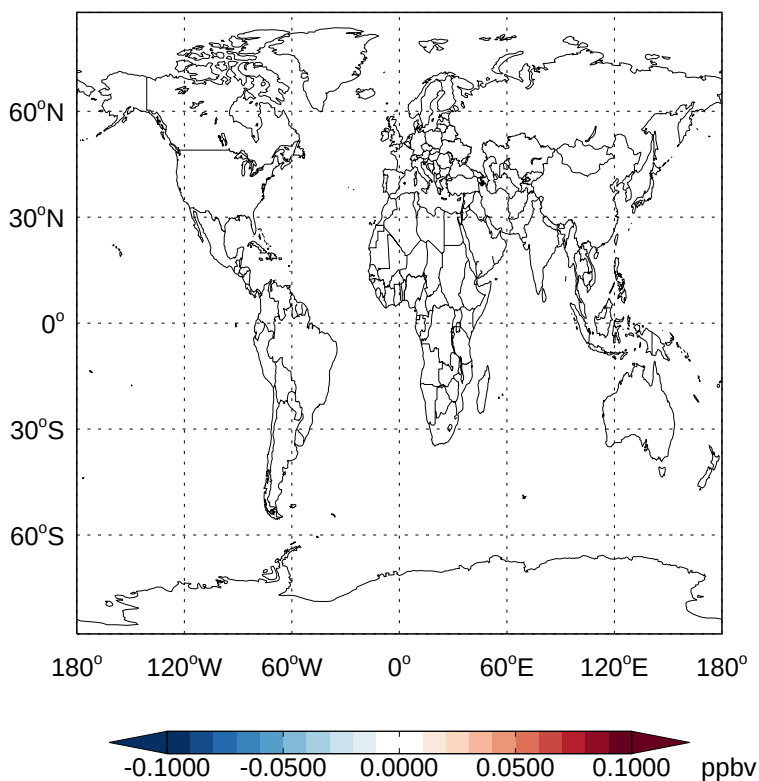
v11-02e-Run1 - v11-02e-Run0  
CH<sub>3</sub>CCl<sub>3</sub>- Diff @ 500 hPa for Jan



v11-02e-Run1 - v11-02d-Run1  
CH<sub>3</sub>CCl<sub>3</sub> - Diff @ Surface for Jan

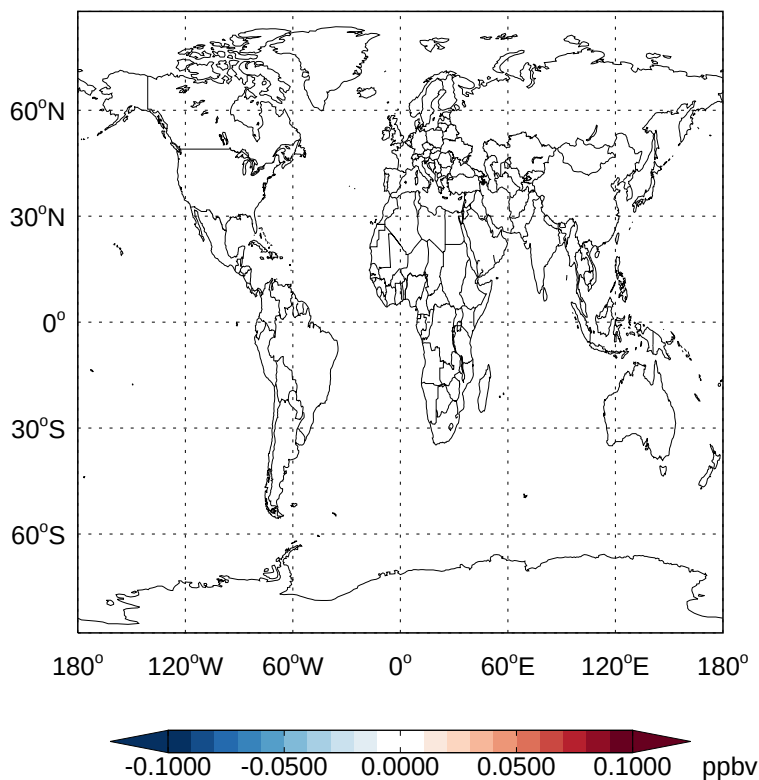


v11-02e-Run1 - v11-02d-Run1  
CH<sub>3</sub>CCl<sub>3</sub>- Diff @ 500 hPa for Jan

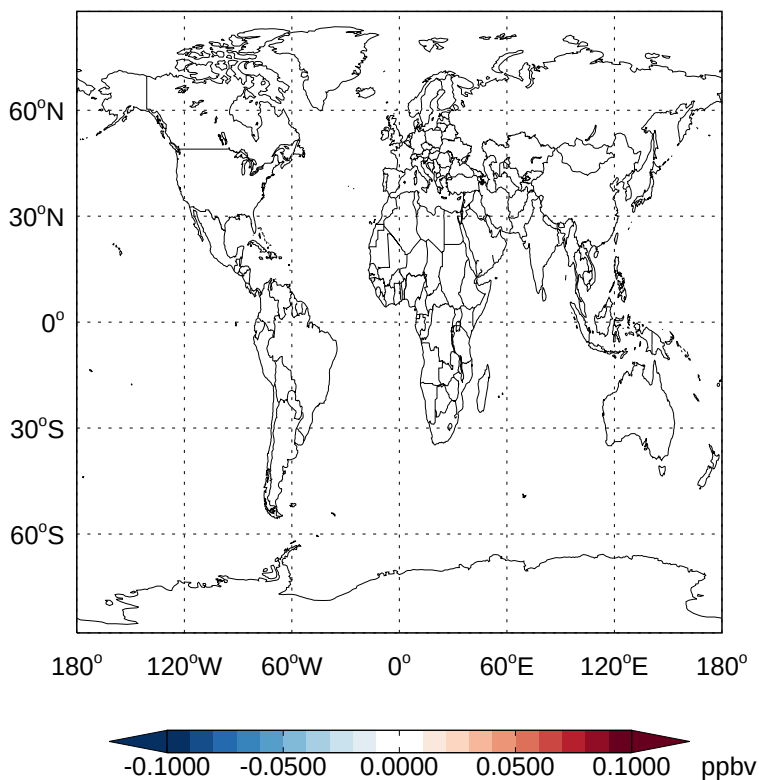


# GEOS-Chem Difference Maps at surface and 500 hPa

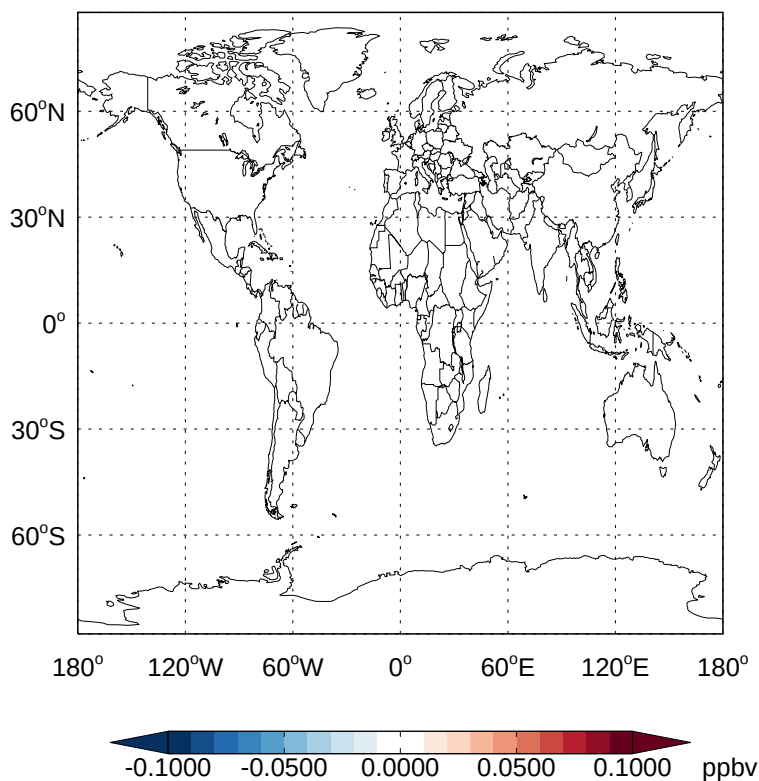
v11-02e-Run1 - v11-02e-Run0  
CFC113 - Diff @ Surface for Jan



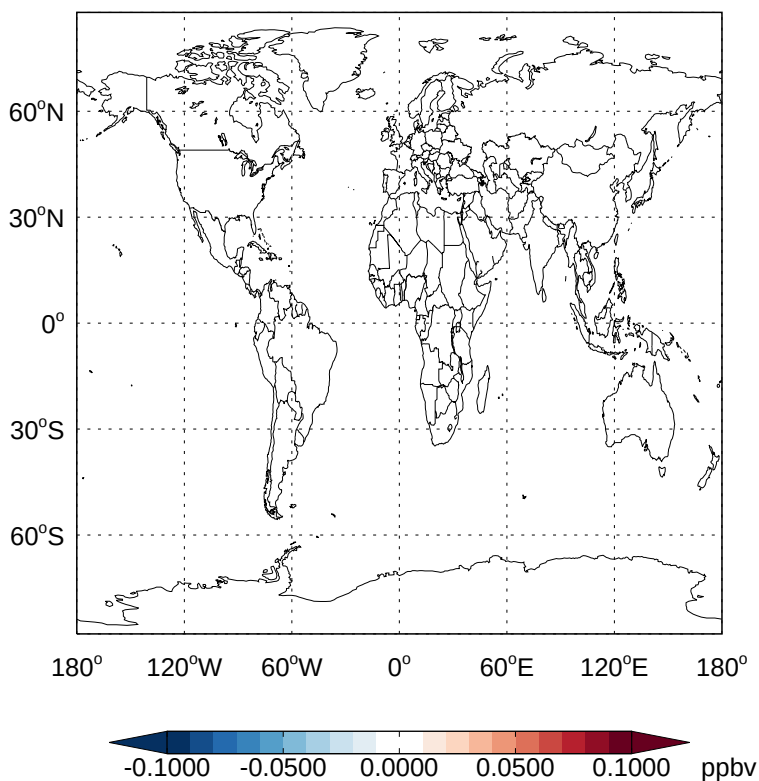
v11-02e-Run1 - v11-02e-Run0  
CFC113- Diff @ 500 hPa for Jan



v11-02e-Run1 - v11-02d-Run1  
CFC113 - Diff @ Surface for Jan

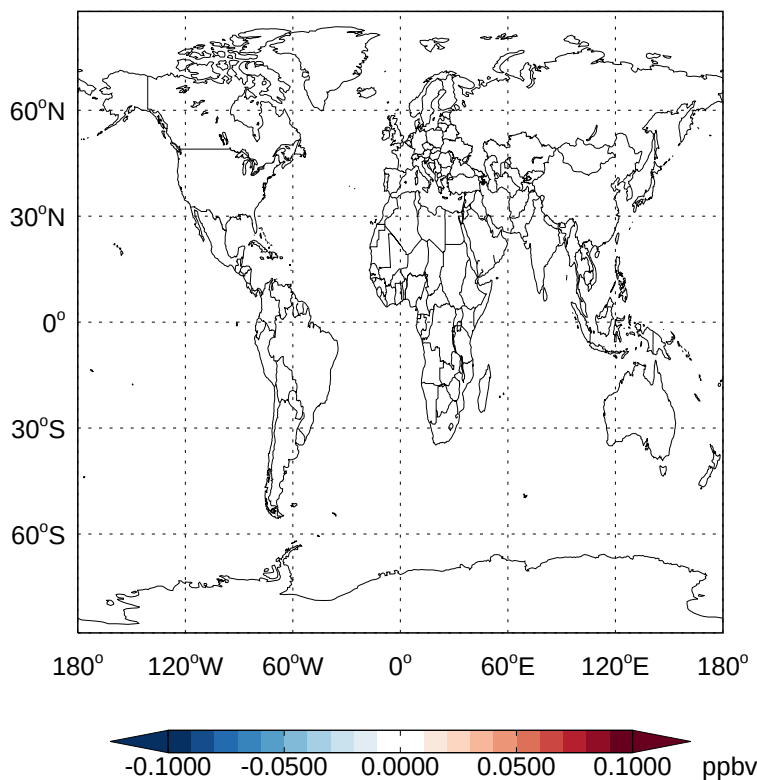


v11-02e-Run1 - v11-02d-Run1  
CFC113- Diff @ 500 hPa for Jan

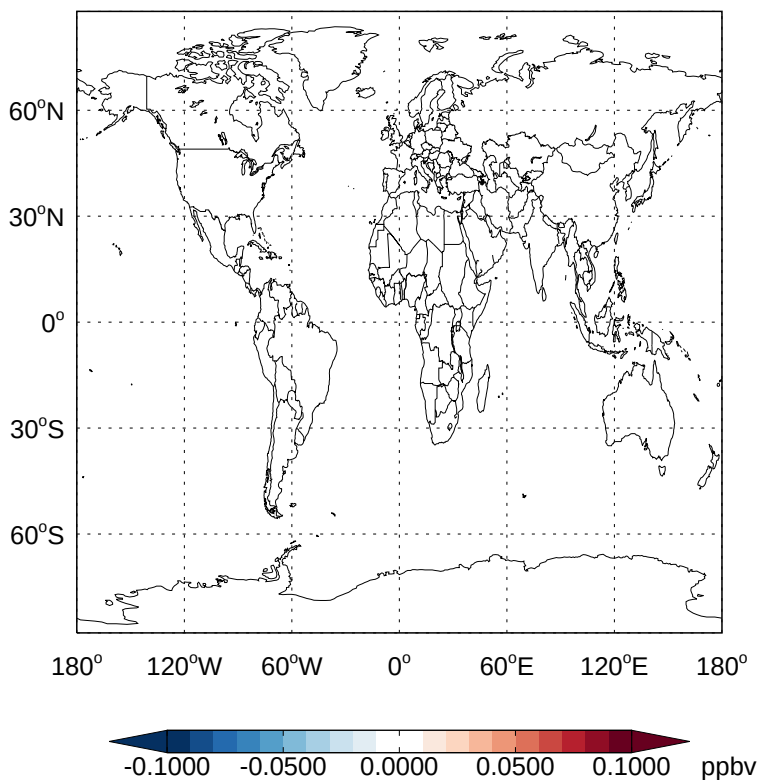


# GEOS-Chem Difference Maps at surface and 500 hPa

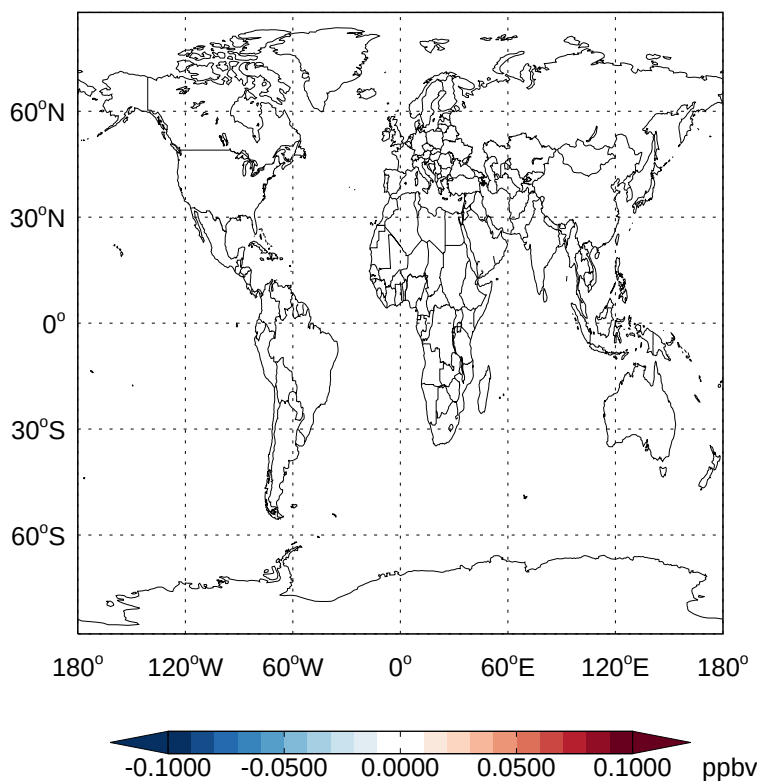
v11-02e-Run1 - v11-02e-Run0  
CFC114 - Diff @ Surface for Jan



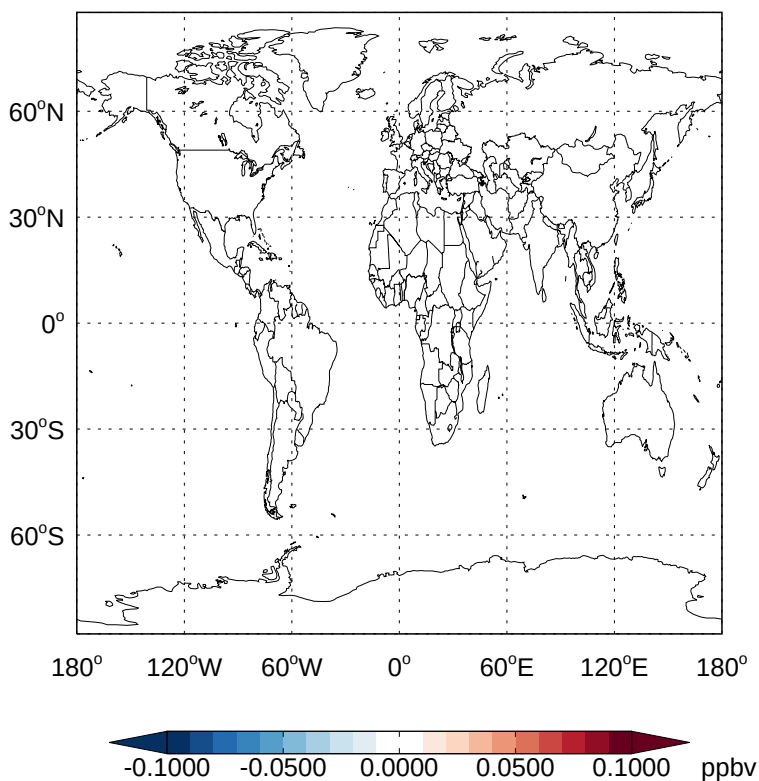
v11-02e-Run1 - v11-02e-Run0  
CFC114- Diff @ 500 hPa for Jan



v11-02e-Run1 - v11-02d-Run1  
CFC114 - Diff @ Surface for Jan

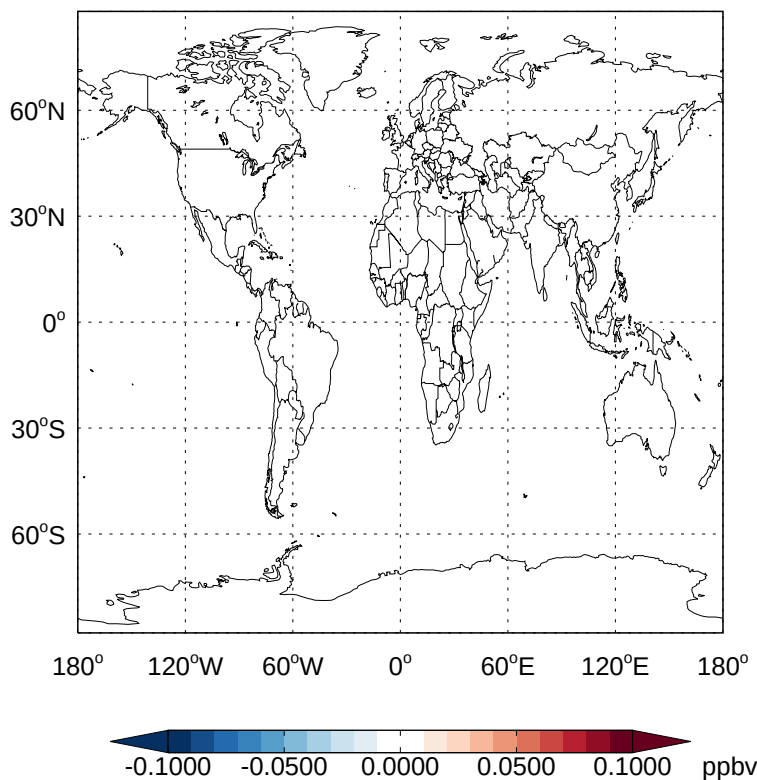


v11-02e-Run1 - v11-02d-Run1  
CFC114- Diff @ 500 hPa for Jan

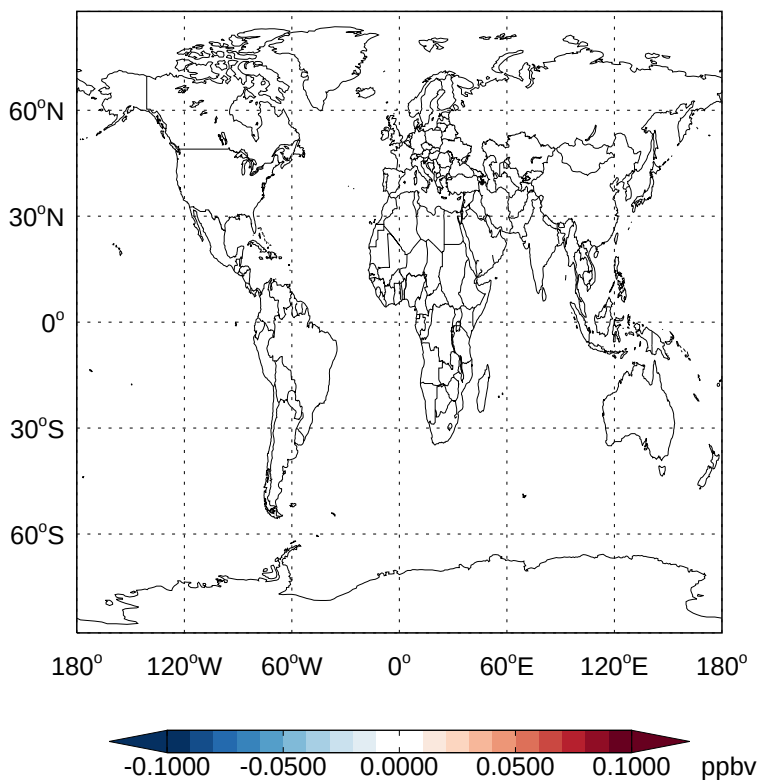


# GEOS-Chem Difference Maps at surface and 500 hPa

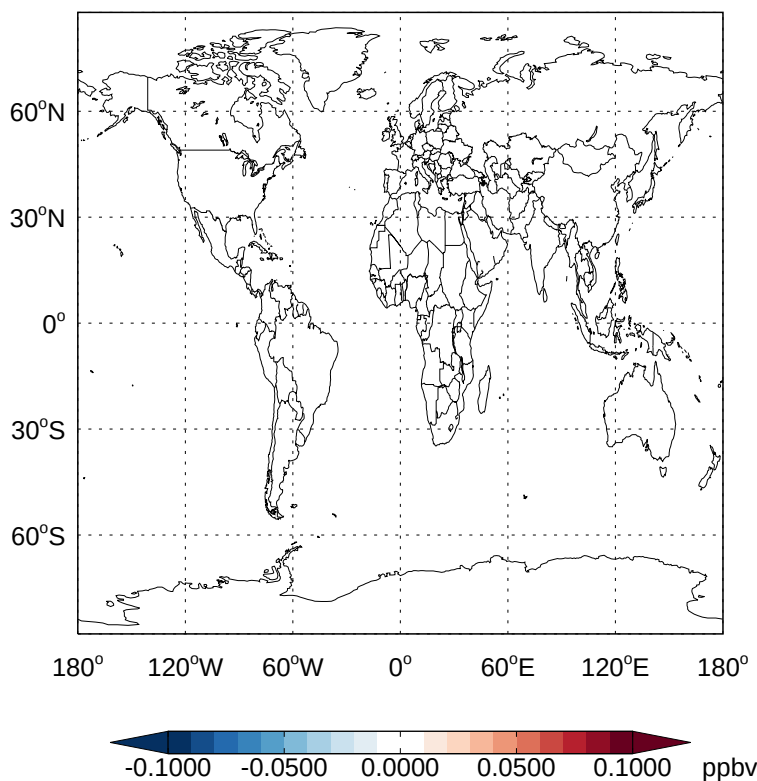
v11-02e-Run1 - v11-02e-Run0  
CFC115 - Diff @ Surface for Jan



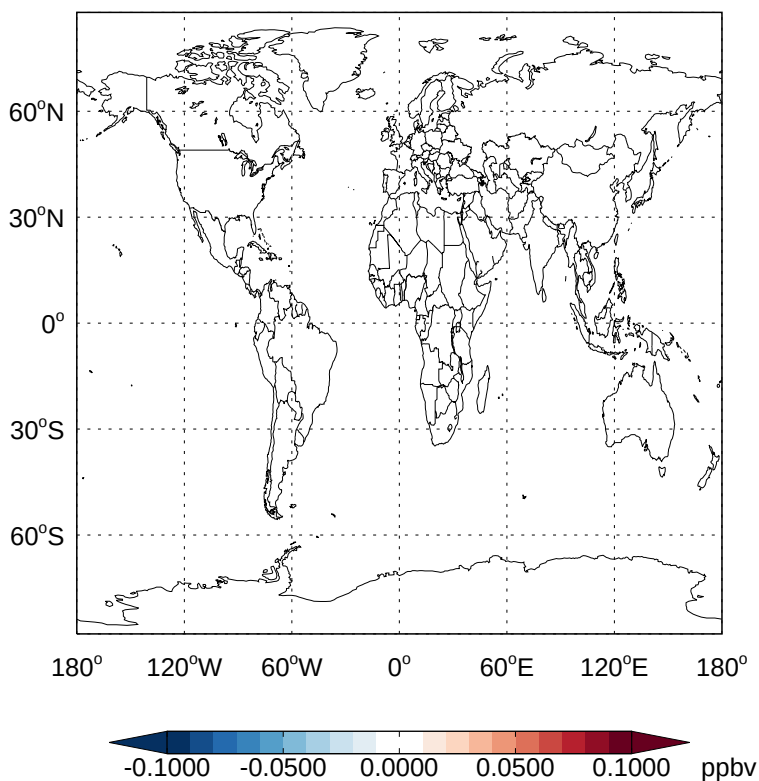
v11-02e-Run1 - v11-02e-Run0  
CFC115- Diff @ 500 hPa for Jan



v11-02e-Run1 - v11-02d-Run1  
CFC115 - Diff @ Surface for Jan

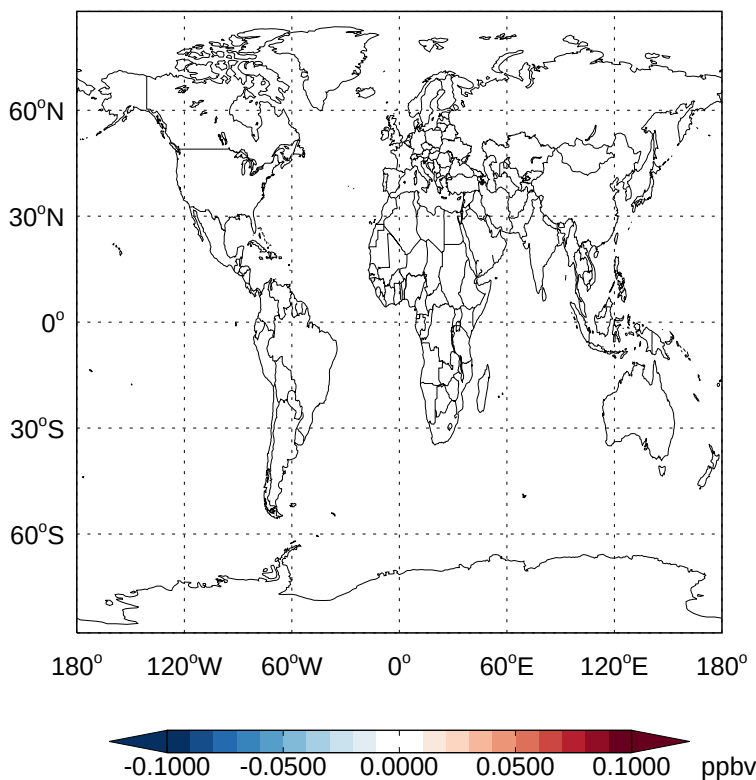


v11-02e-Run1 - v11-02d-Run1  
CFC115- Diff @ 500 hPa for Jan

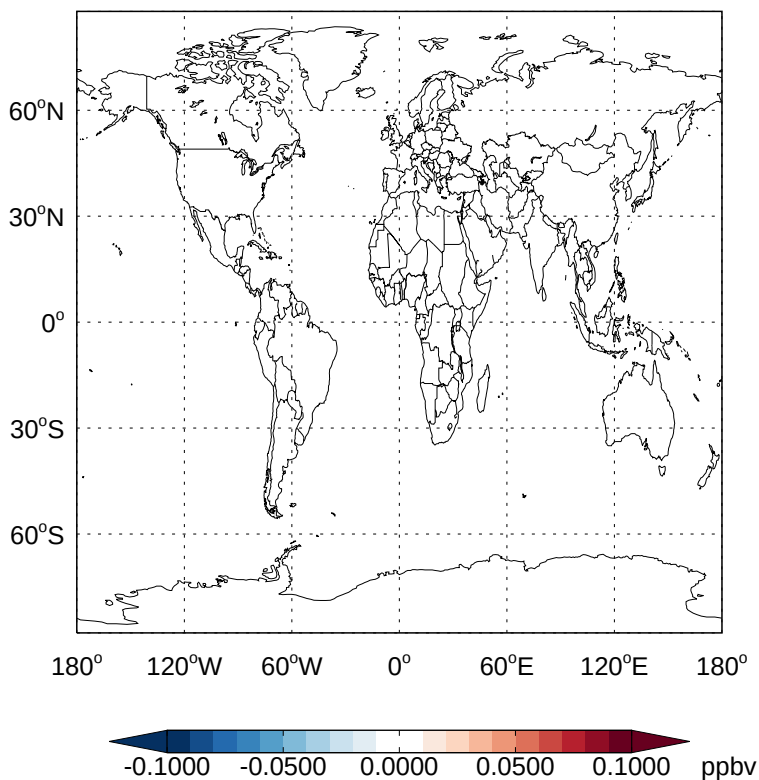


# GEOS-Chem Difference Maps at surface and 500 hPa

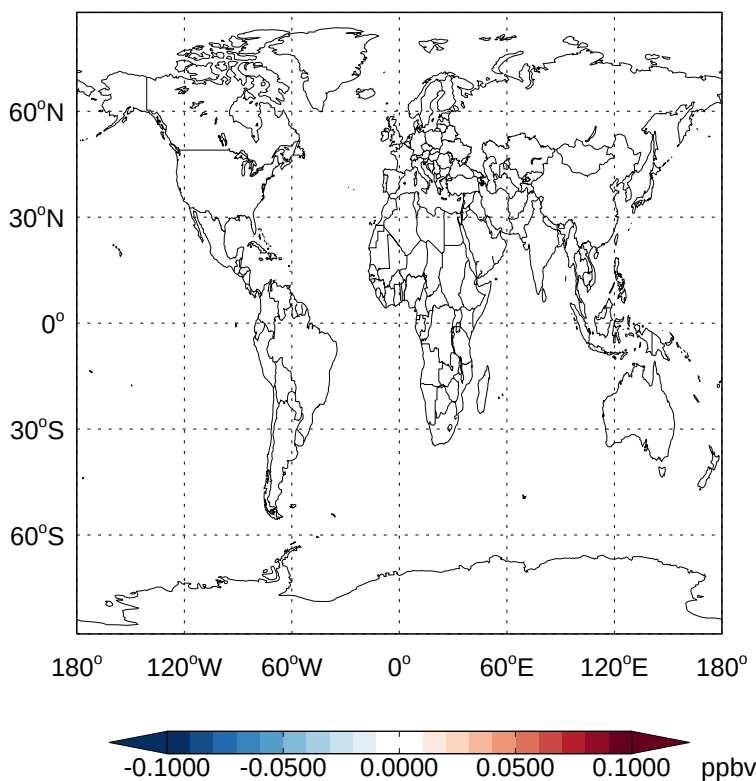
v11-02e-Run1 - v11-02e-Run0  
HCFC123 - Diff @ Surface for Jan



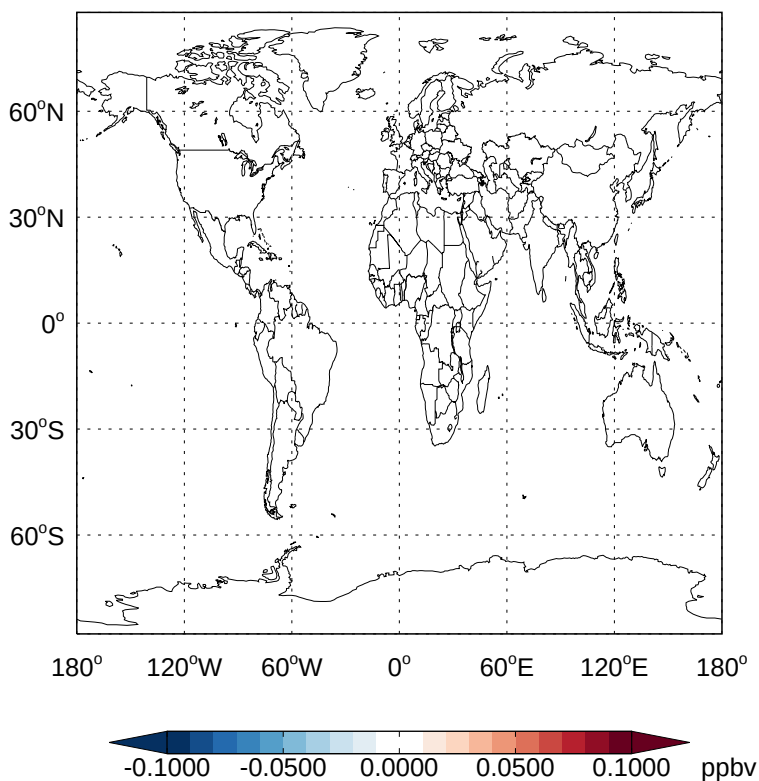
v11-02e-Run1 - v11-02e-Run0  
HCFC123- Diff @ 500 hPa for Jan



v11-02e-Run1 - v11-02d-Run1  
HCFC123 - Diff @ Surface for Jan

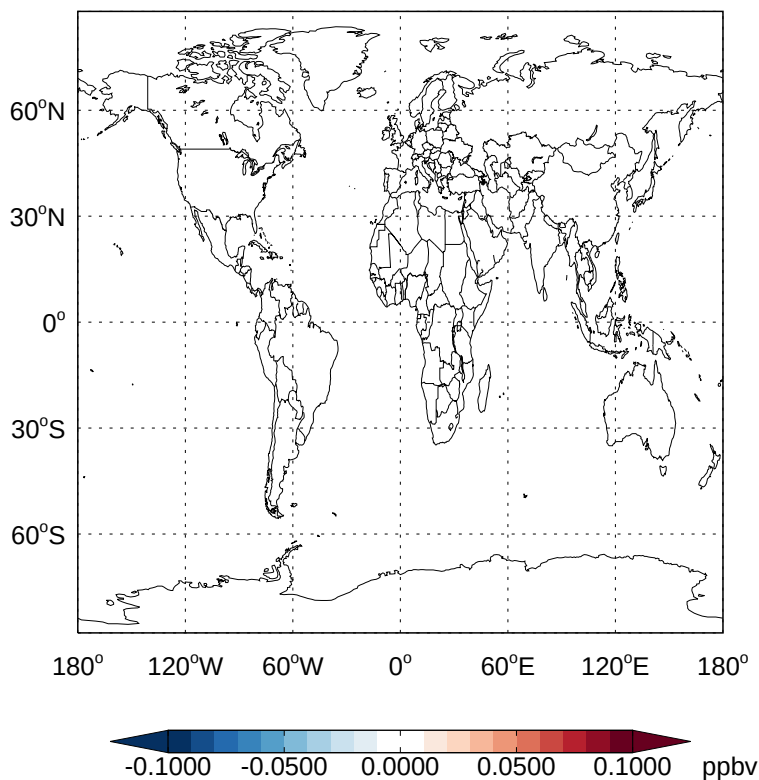


v11-02e-Run1 - v11-02d-Run1  
HCFC123- Diff @ 500 hPa for Jan

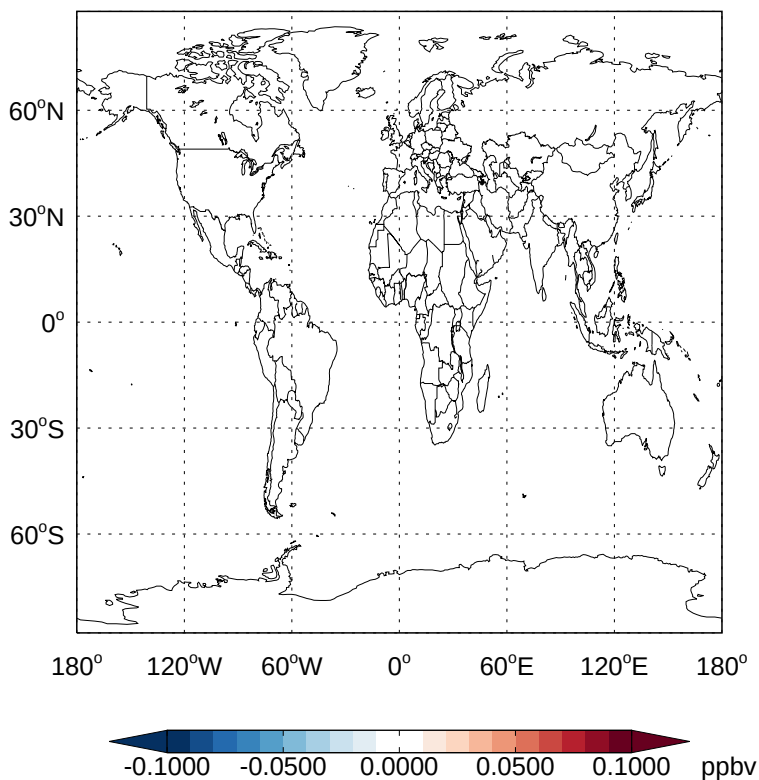


# GEOS-Chem Difference Maps at surface and 500 hPa

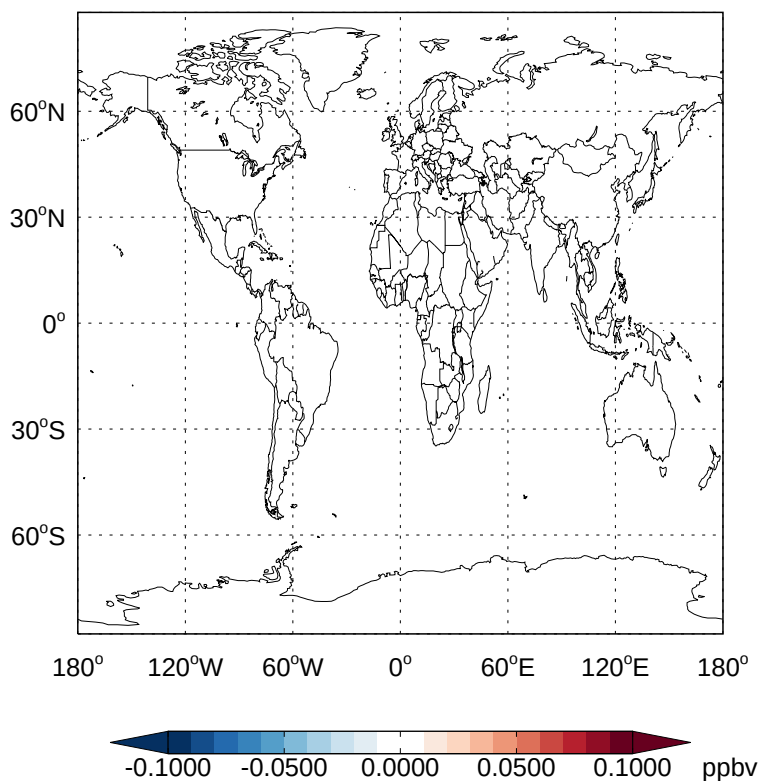
v11-02e-Run1 - v11-02e-Run0  
HCFC141b - Diff @ Surface for Jan



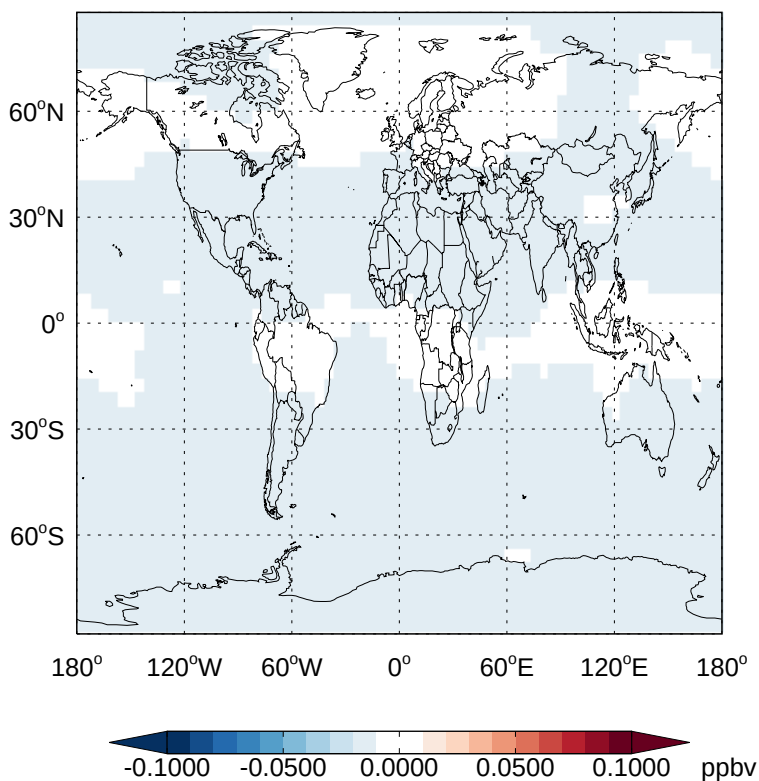
v11-02e-Run1 - v11-02e-Run0  
HCFC141b- Diff @ 500 hPa for Jan



v11-02e-Run1 - v11-02d-Run1  
HCFC141b - Diff @ Surface for Jan

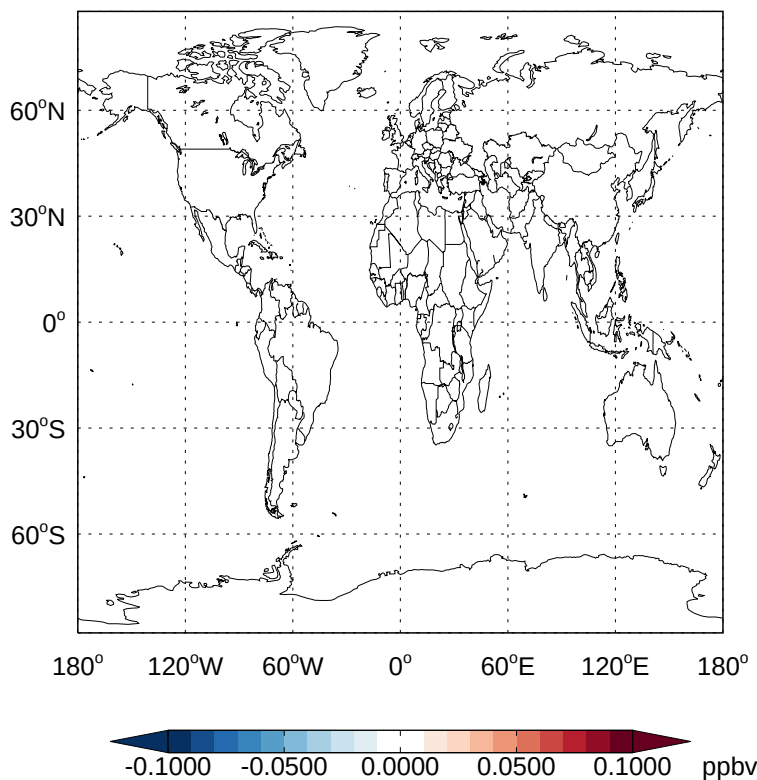


v11-02e-Run1 - v11-02d-Run1  
HCFC141b- Diff @ 500 hPa for Jan

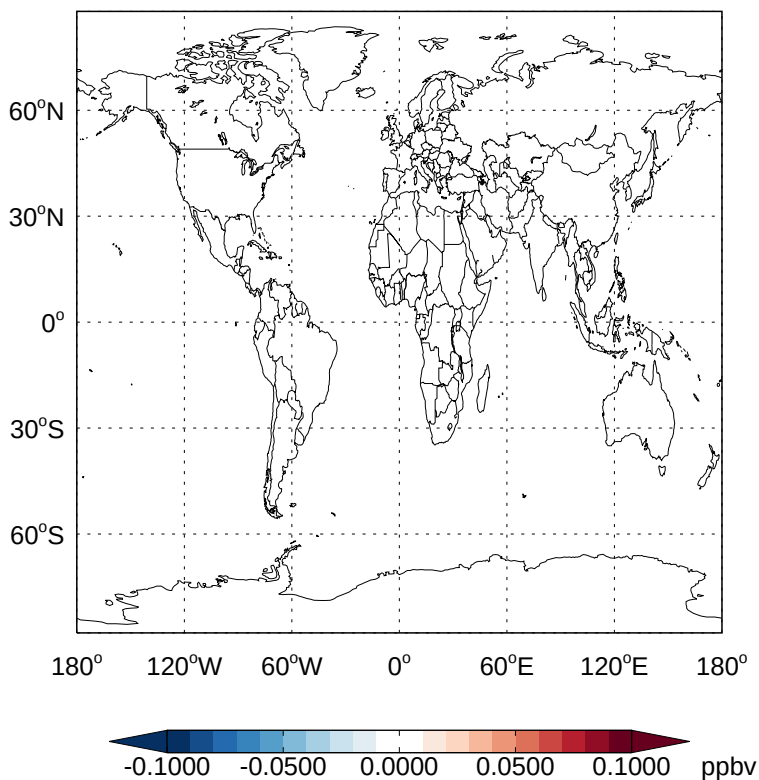


# GEOS-Chem Difference Maps at surface and 500 hPa

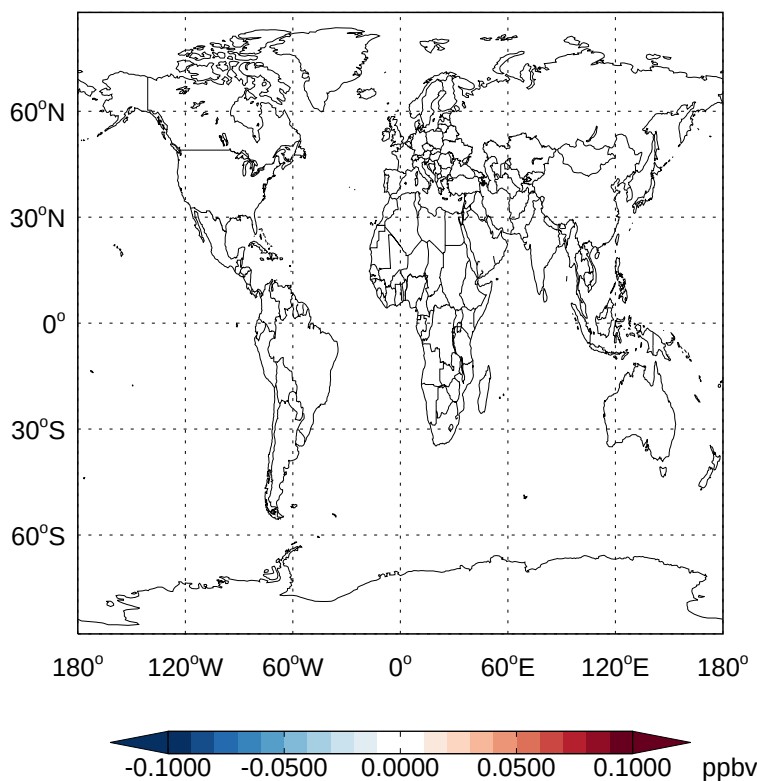
v11-02e-Run1 - v11-02e-Run0  
HCFC142b - Diff @ Surface for Jan



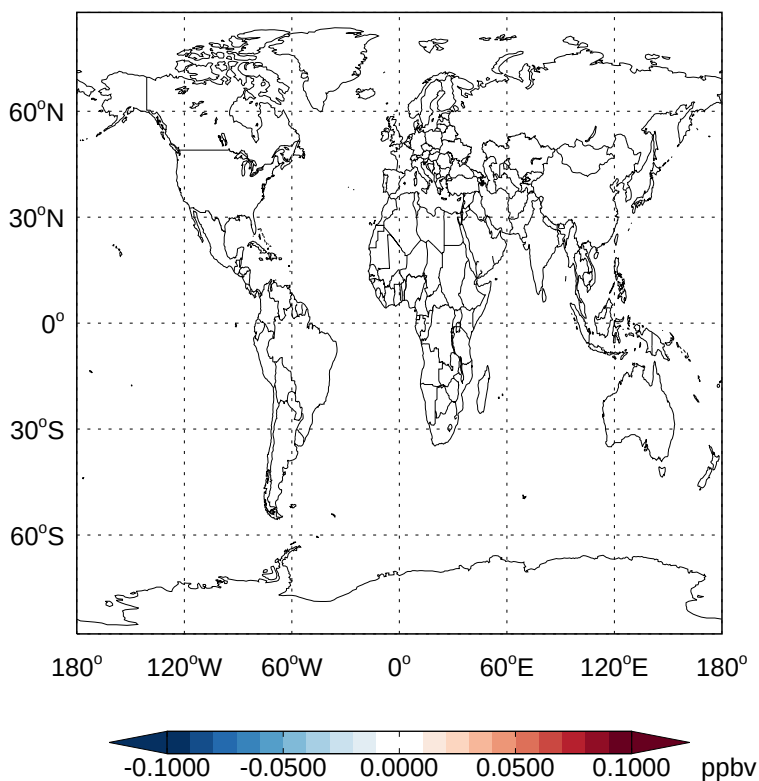
v11-02e-Run1 - v11-02e-Run0  
HCFC142b- Diff @ 500 hPa for Jan



v11-02e-Run1 - v11-02d-Run1  
HCFC142b - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1  
HCFC142b- Diff @ 500 hPa for Jan

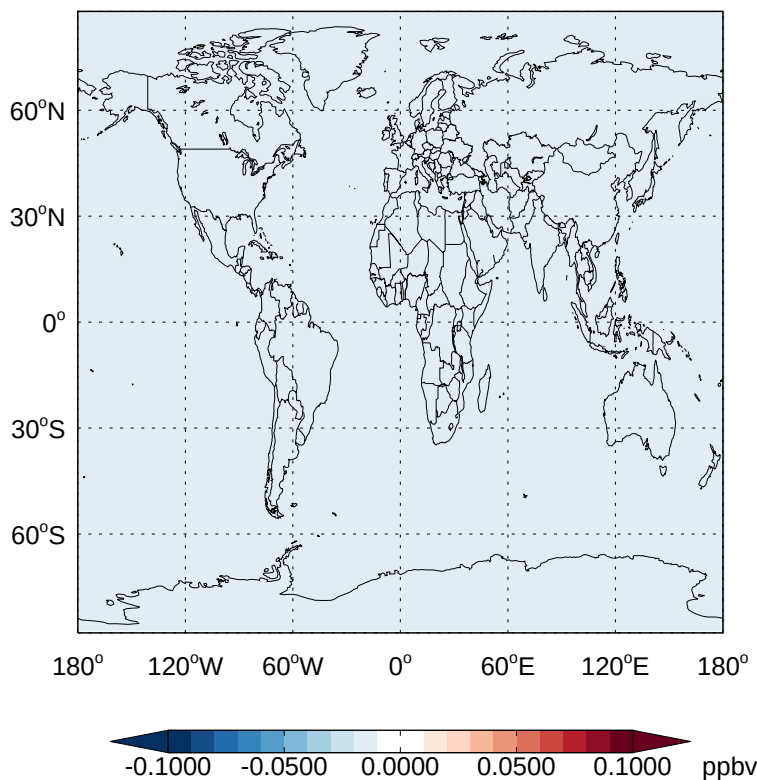




# GEOS-Chem Difference Maps at surface and 500 hPa

v11-02e-Run1 - v11-02e-Run0

CFC11 - Diff @ Surface for Jan



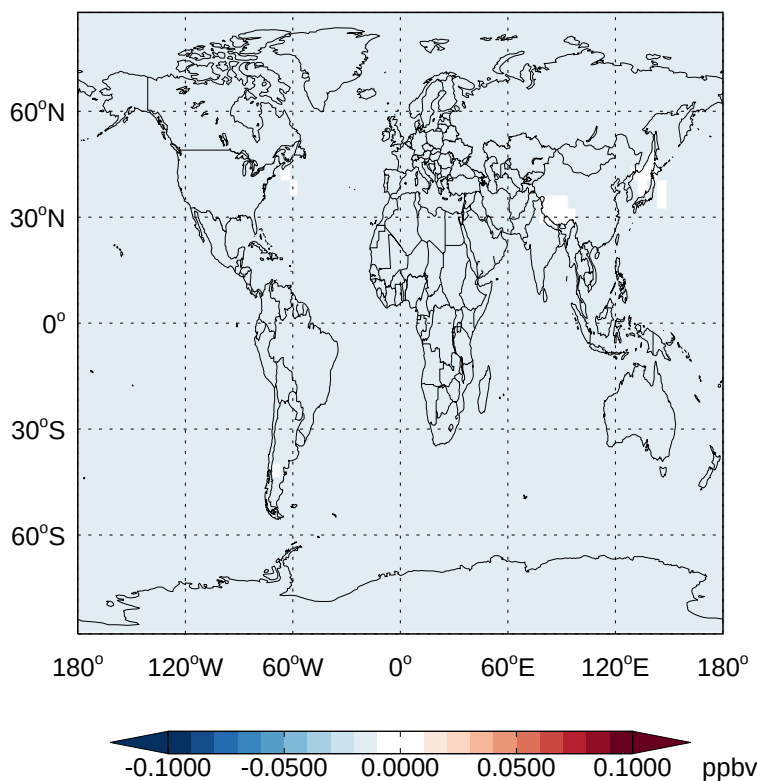
v11-02e-Run1 - v11-02e-Run0

CFC11- Diff @ 500 hPa for Jan



v11-02e-Run1 - v11-02d-Run1

CFC11 - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

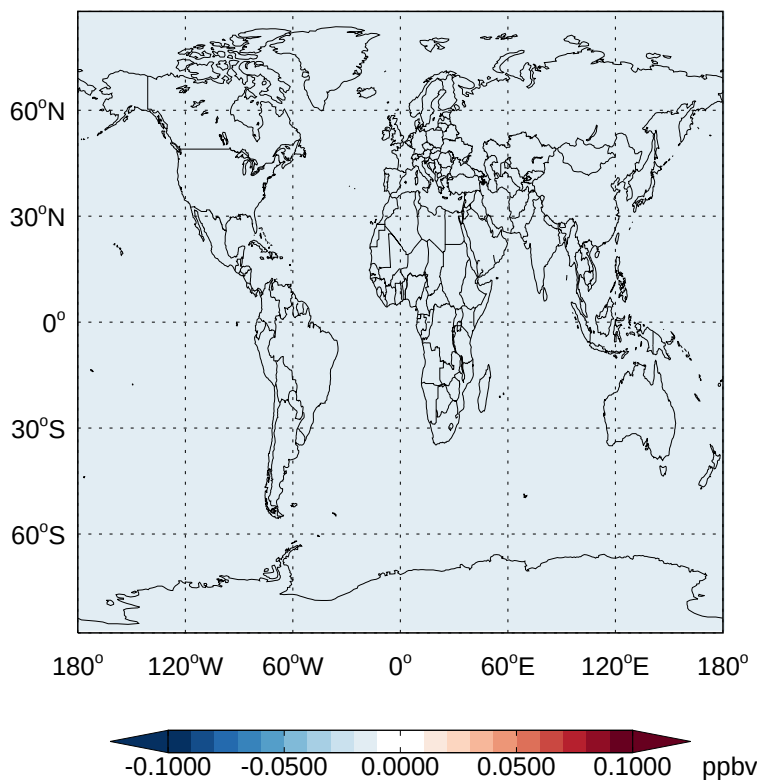
CFC11- Diff @ 500 hPa for Jan



# GEOS-Chem Difference Maps at surface and 500 hPa

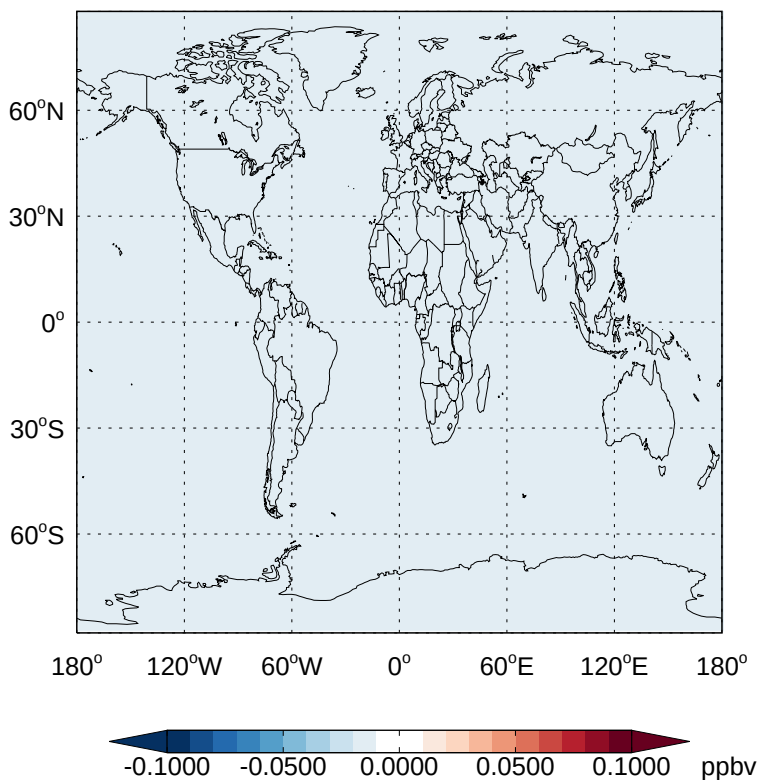
v11-02e-Run1 - v11-02e-Run0

CFC12 - Diff @ Surface for Jan



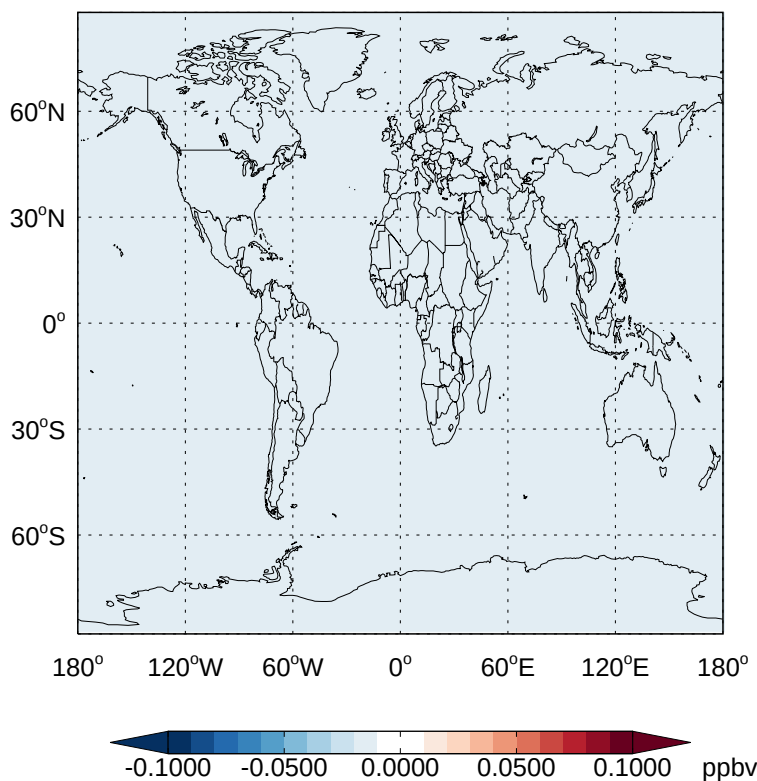
v11-02e-Run1 - v11-02e-Run0

CFC12- Diff @ 500 hPa for Jan



v11-02e-Run1 - v11-02d-Run1

CFC12 - Diff @ Surface for Jan



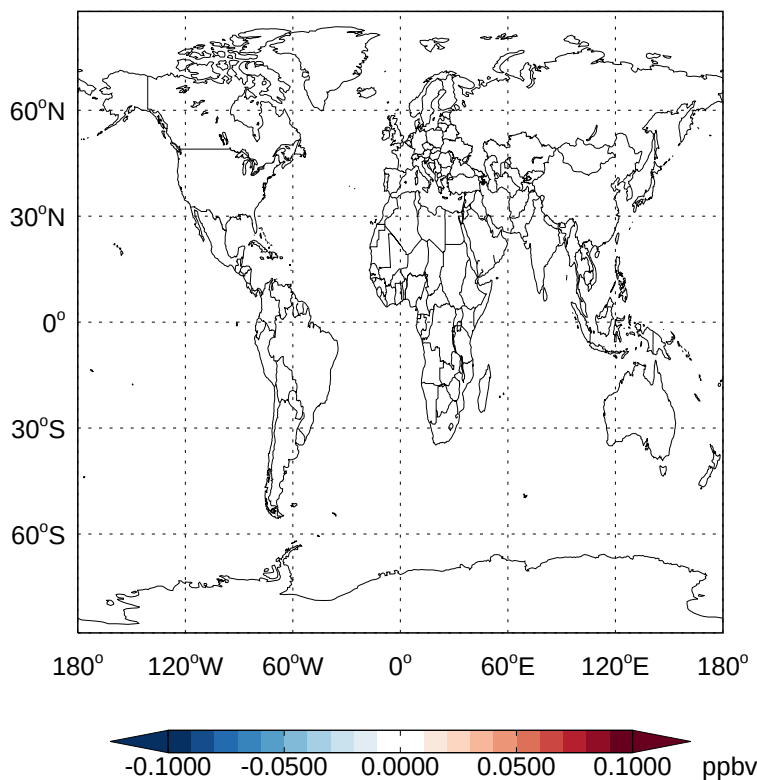
v11-02e-Run1 - v11-02d-Run1

CFC12- Diff @ 500 hPa for Jan

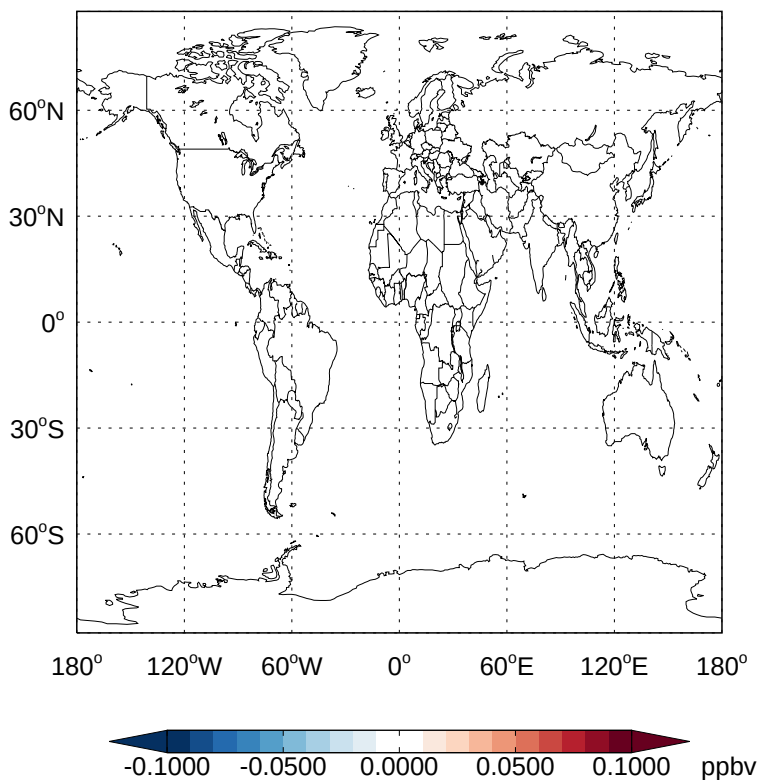


# GEOS-Chem Difference Maps at surface and 500 hPa

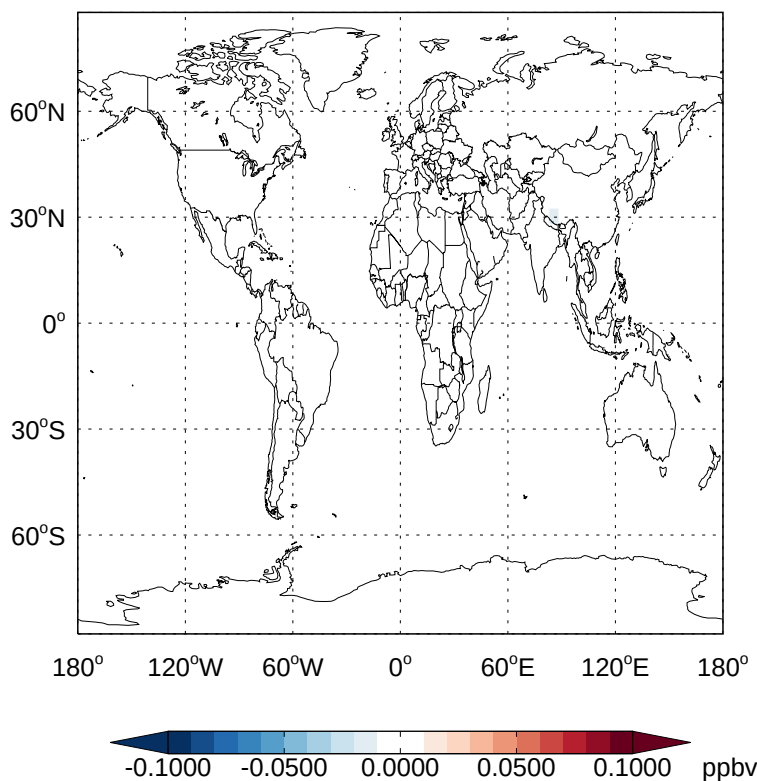
v11-02e-Run1 - v11-02e-Run0  
HCFC22 - Diff @ Surface for Jan



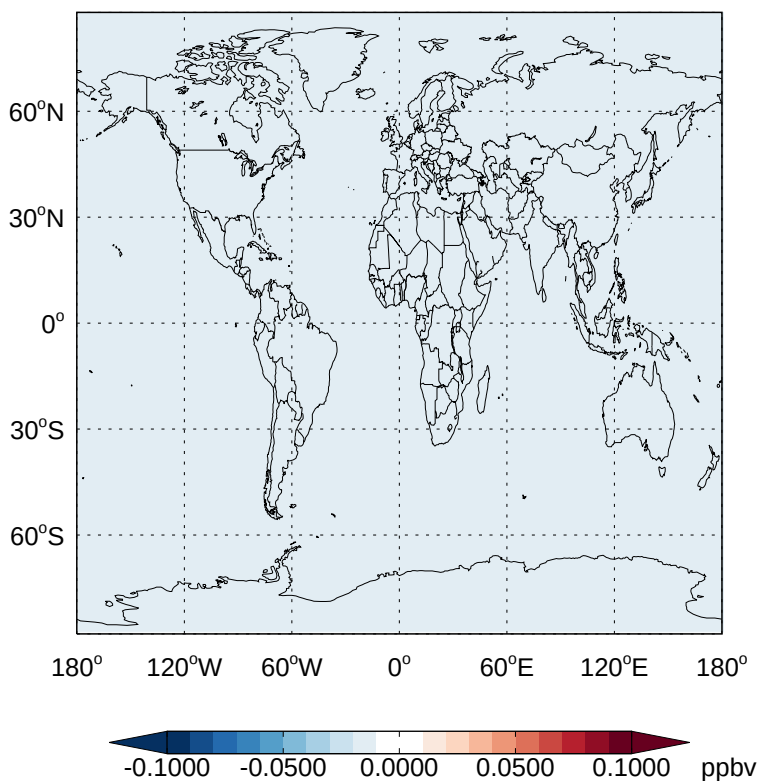
v11-02e-Run1 - v11-02e-Run0  
HCFC22- Diff @ 500 hPa for Jan



v11-02e-Run1 - v11-02d-Run1  
HCFC22 - Diff @ Surface for Jan



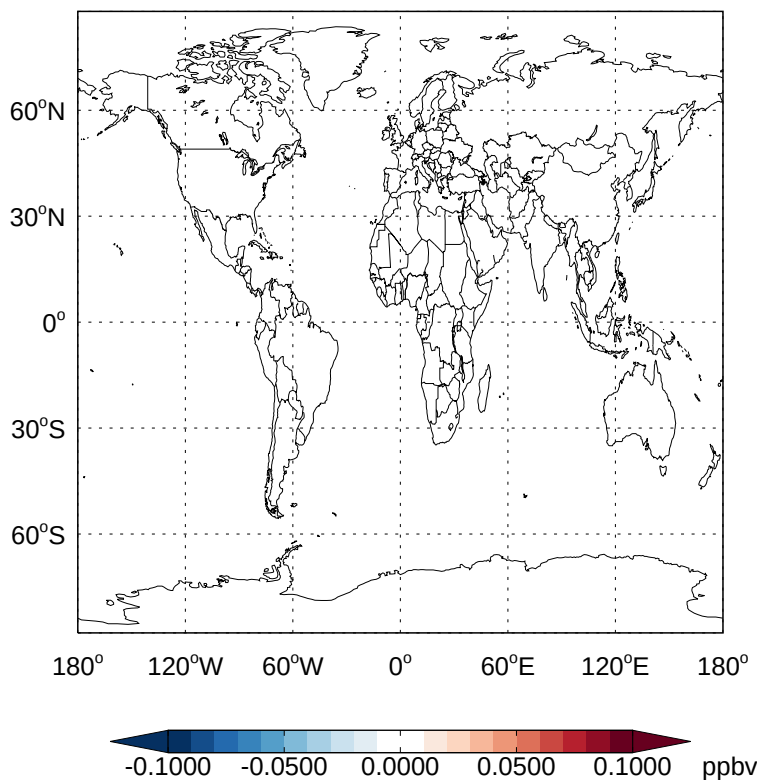
v11-02e-Run1 - v11-02d-Run1  
HCFC22- Diff @ 500 hPa for Jan



# GEOS-Chem Difference Maps at surface and 500 hPa

v11-02e-Run1 - v11-02e-Run0

H1211 - Diff @ Surface for Jan



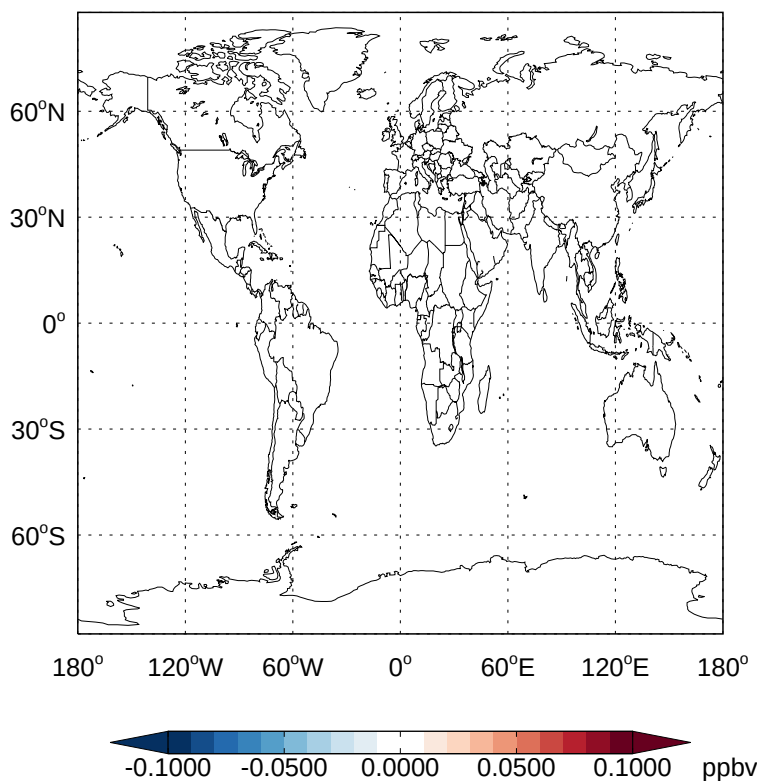
v11-02e-Run1 - v11-02e-Run0

H1211- Diff @ 500 hPa for Jan



v11-02e-Run1 - v11-02d-Run1

H1211 - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

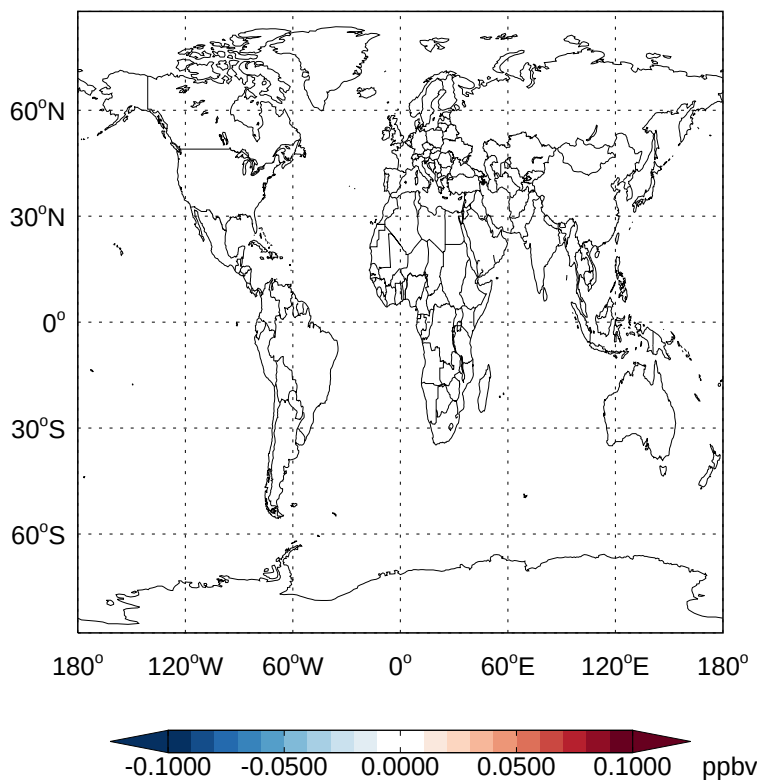
H1211- Diff @ 500 hPa for Jan



# GEOS-Chem Difference Maps at surface and 500 hPa

v11-02e-Run1 - v11-02e-Run0

H1301 - Diff @ Surface for Jan



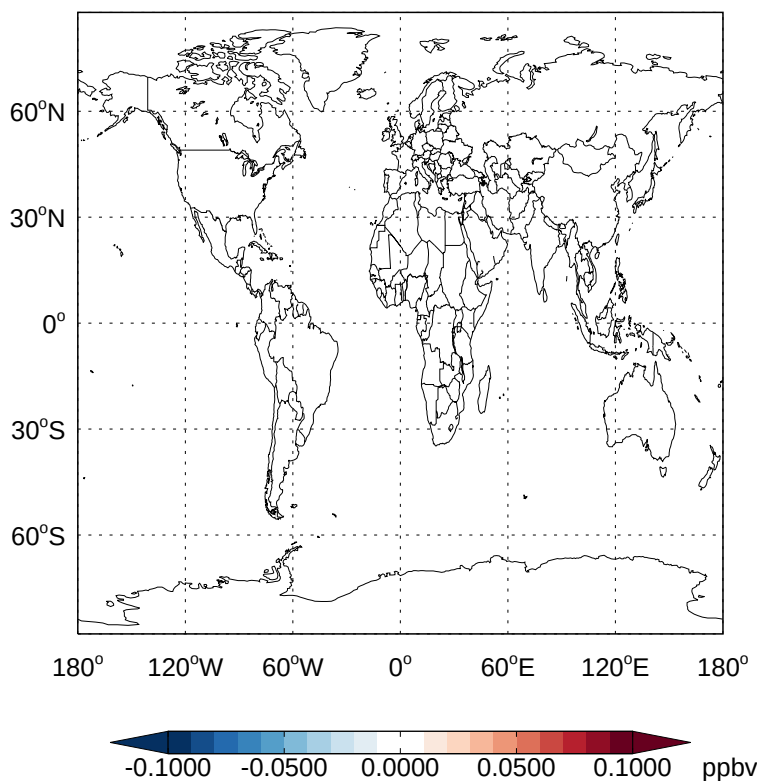
v11-02e-Run1 - v11-02e-Run0

H1301- Diff @ 500 hPa for Jan



v11-02e-Run1 - v11-02d-Run1

H1301 - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

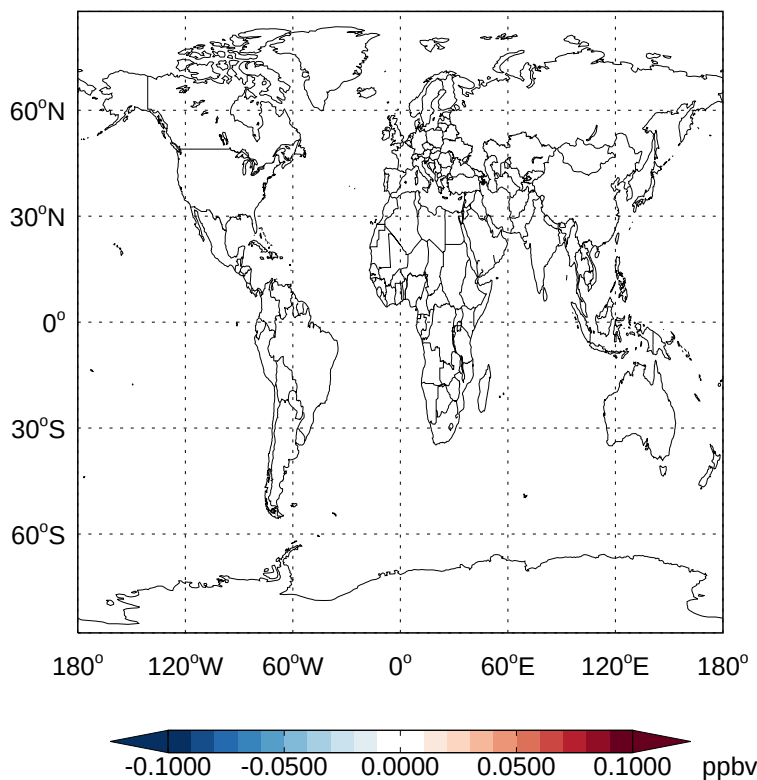
H1301- Diff @ 500 hPa for Jan



# GEOS-Chem Difference Maps at surface and 500 hPa

v11-02e-Run1 - v11-02e-Run0

H2402 - Diff @ Surface for Jan



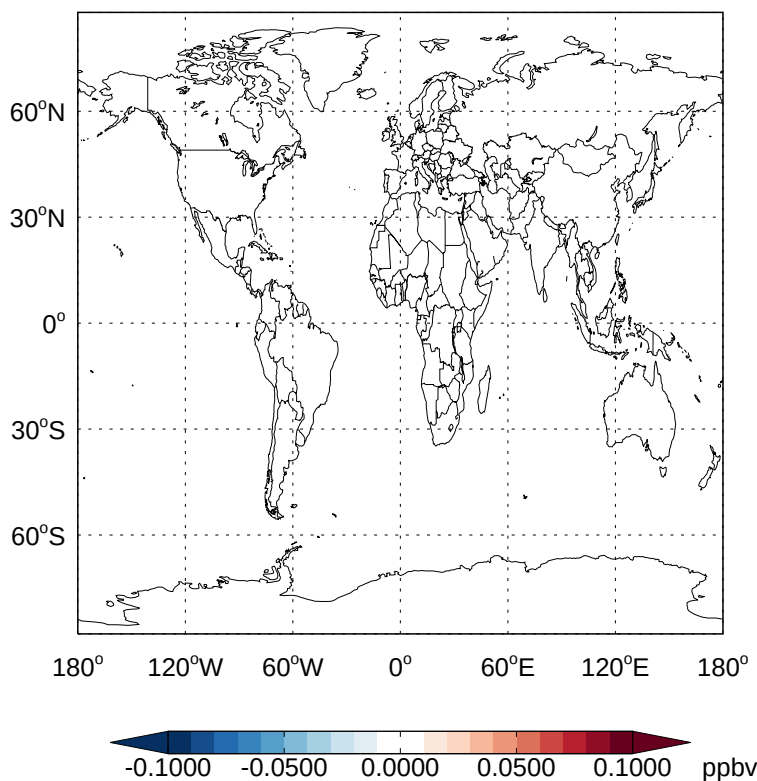
v11-02e-Run1 - v11-02e-Run0

H2402- Diff @ 500 hPa for Jan



v11-02e-Run1 - v11-02d-Run1

H2402 - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

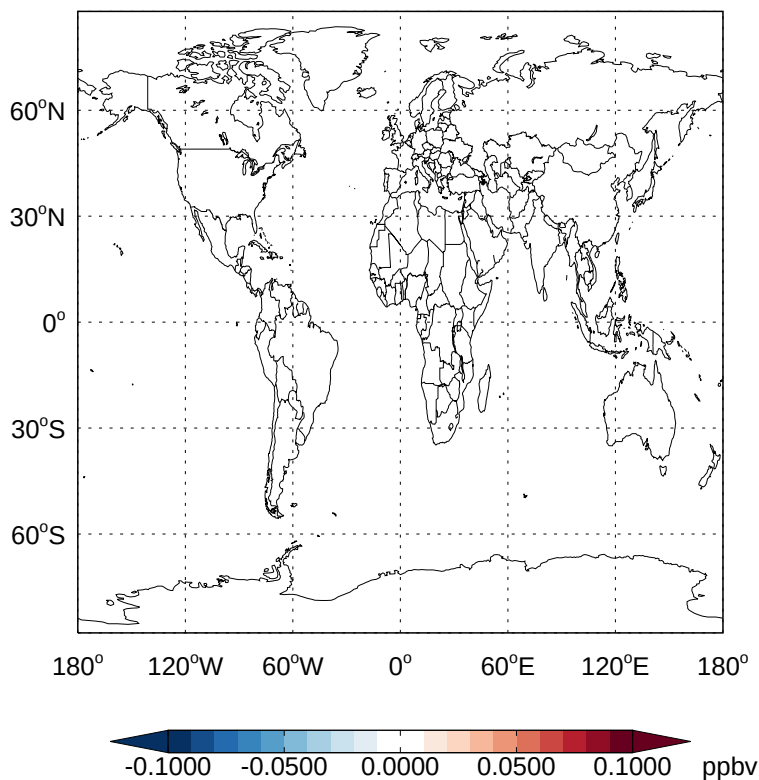
H2402- Diff @ 500 hPa for Jan



# GEOS-Chem Difference Maps at surface and 500 hPa

v11-02e-Run1 - v11-02e-Run0

Cl - Diff @ Surface for Jan



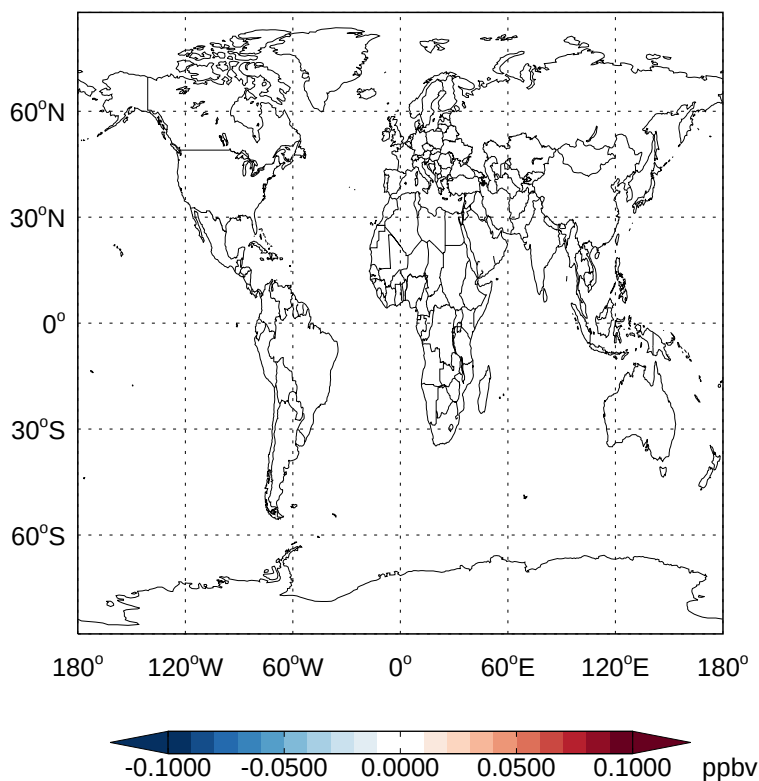
v11-02e-Run1 - v11-02e-Run0

Cl- Diff @ 500 hPa for Jan



v11-02e-Run1 - v11-02d-Run1

Cl - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

Cl- Diff @ 500 hPa for Jan

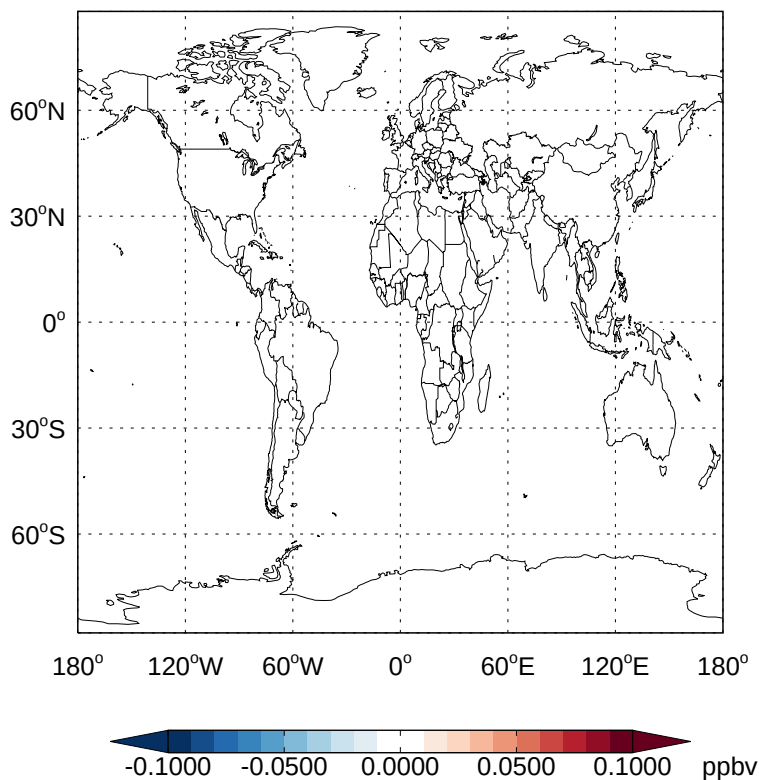




# GEOS-Chem Difference Maps at surface and 500 hPa

v11-02e-Run1 - v11-02e-Run0

CIO - Diff @ Surface for Jan



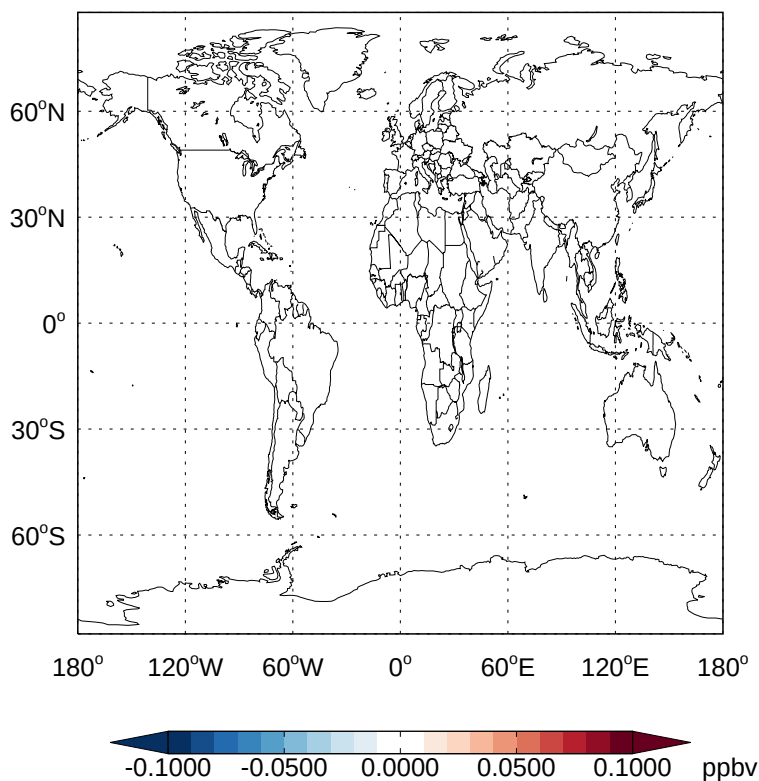
v11-02e-Run1 - v11-02e-Run0

CIO- Diff @ 500 hPa for Jan



v11-02e-Run1 - v11-02d-Run1

CIO - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

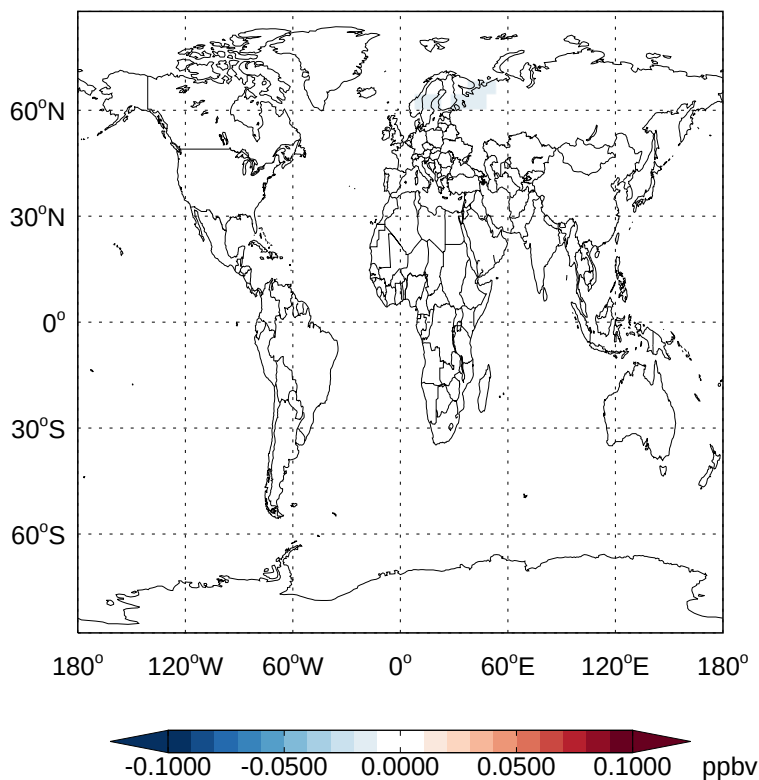
CIO- Diff @ 500 hPa for Jan



# GEOS-Chem Difference Maps at surface and 500 hPa

v11-02e-Run1 - v11-02e-Run0

HOCl - Diff @ Surface for Jan



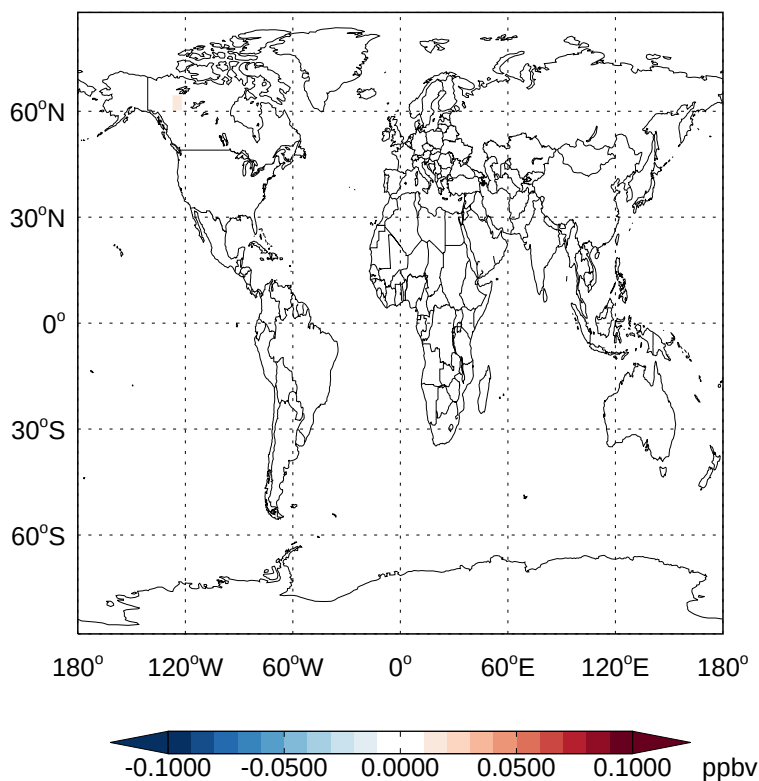
v11-02e-Run1 - v11-02e-Run0

HOCl- Diff @ 500 hPa for Jan



v11-02e-Run1 - v11-02d-Run1

HOCl - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

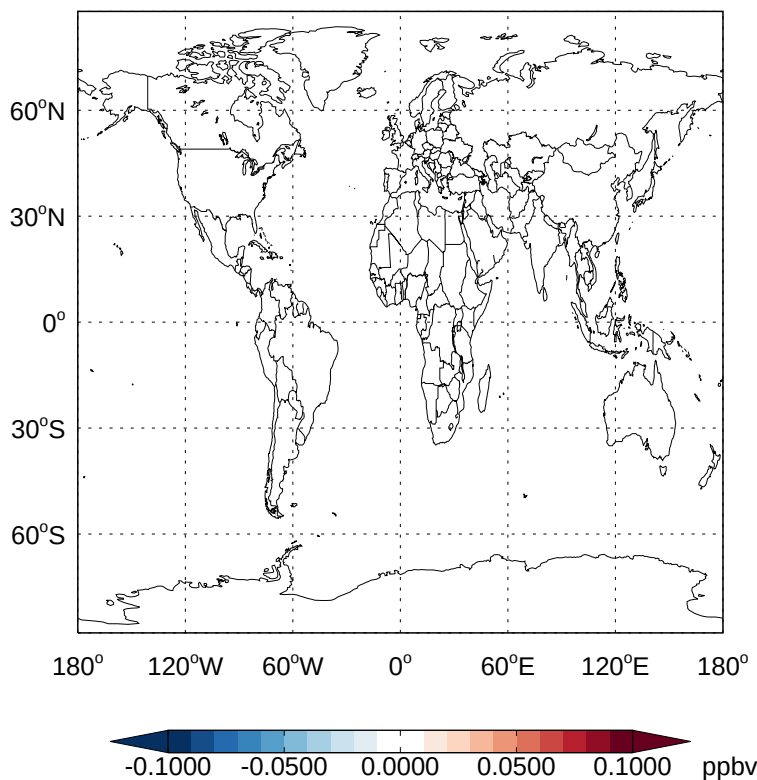
HOCl- Diff @ 500 hPa for Jan



# GEOS-Chem Difference Maps at surface and 500 hPa

v11-02e-Run1 - v11-02e-Run0

CINO3 - Diff @ Surface for Jan



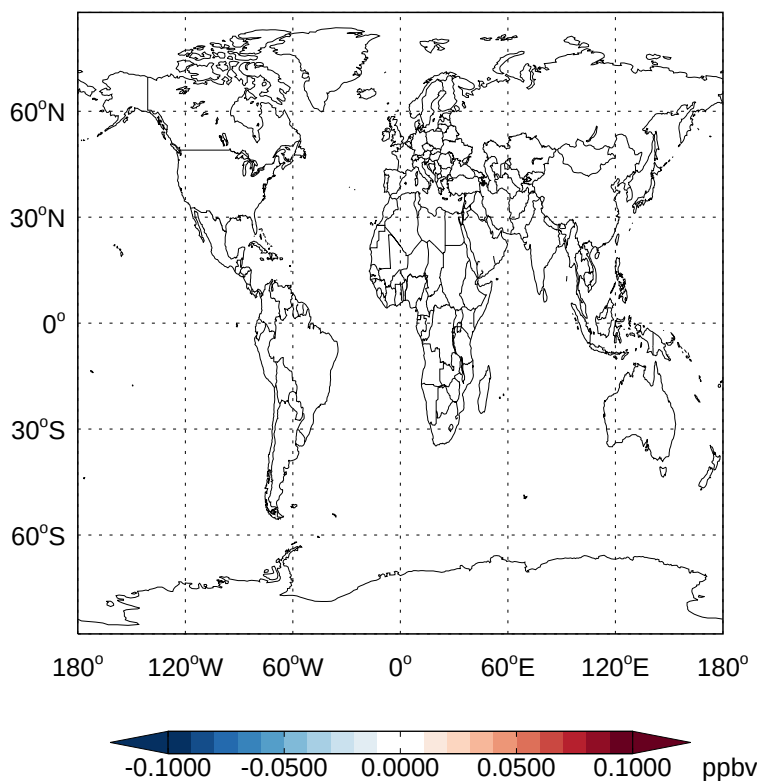
v11-02e-Run1 - v11-02e-Run0

CINO3- Diff @ 500 hPa for Jan



v11-02e-Run1 - v11-02d-Run1

CINO3 - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

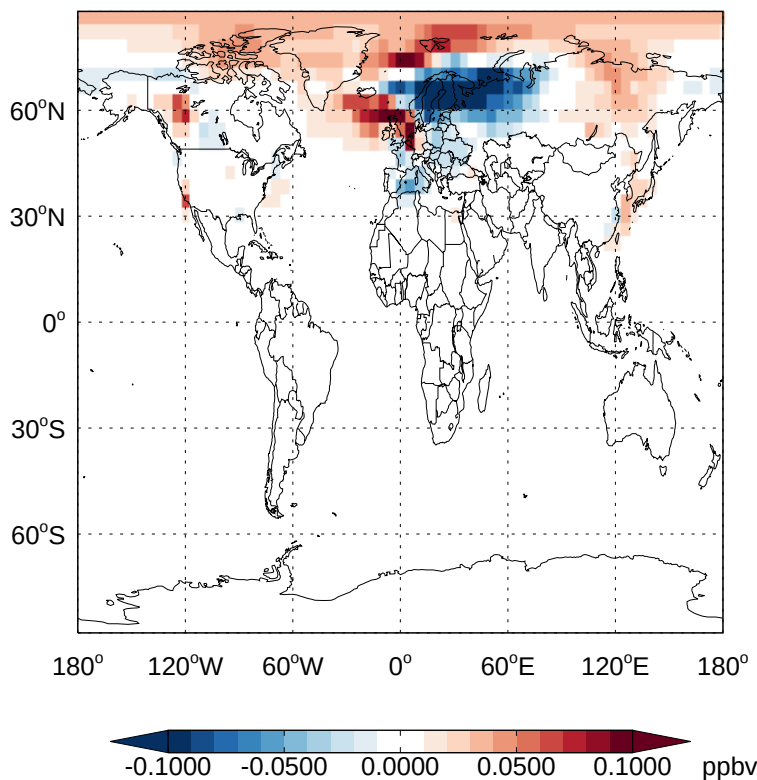
CINO3- Diff @ 500 hPa for Jan



# GEOS-Chem Difference Maps at surface and 500 hPa

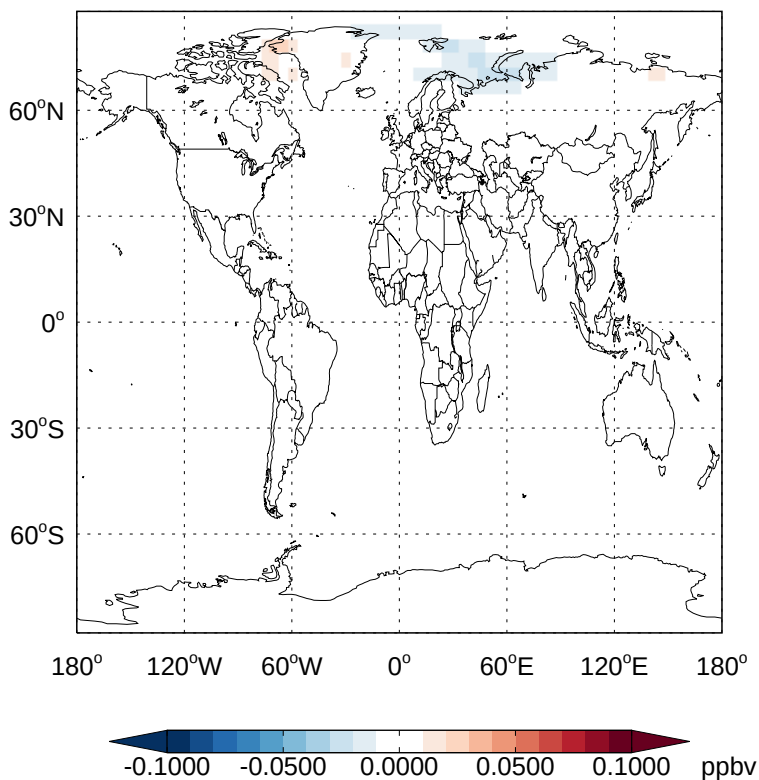
v11-02e-Run1 - v11-02e-Run0

CINO2 - Diff @ Surface for Jan



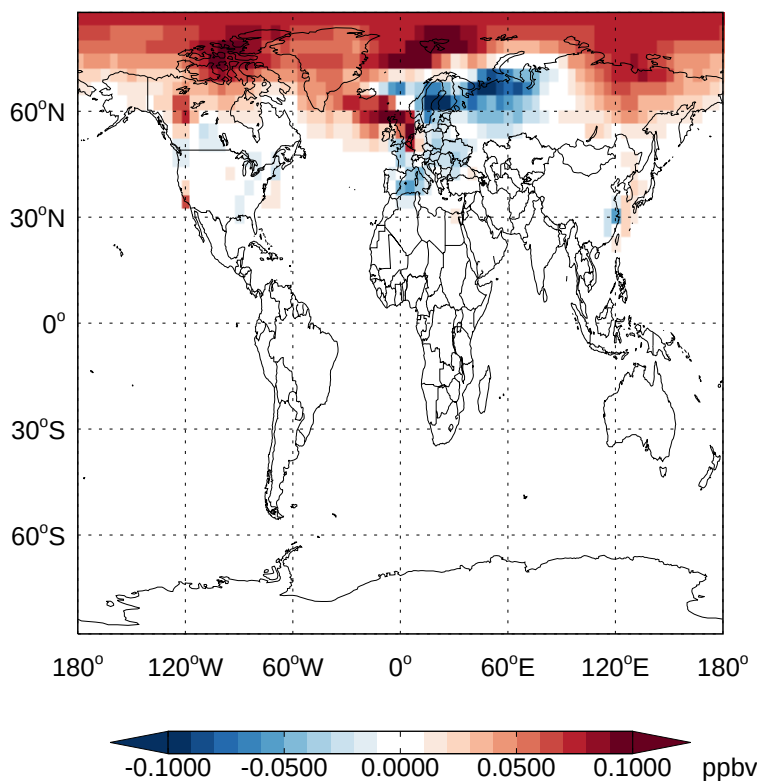
v11-02e-Run1 - v11-02e-Run0

CINO2- Diff @ 500 hPa for Jan



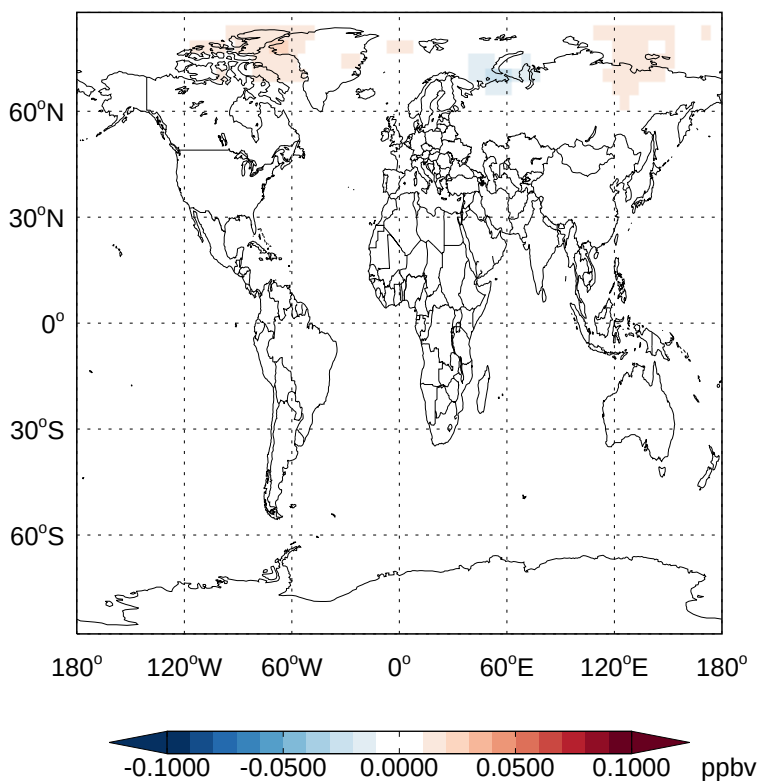
v11-02e-Run1 - v11-02d-Run1

CINO2 - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

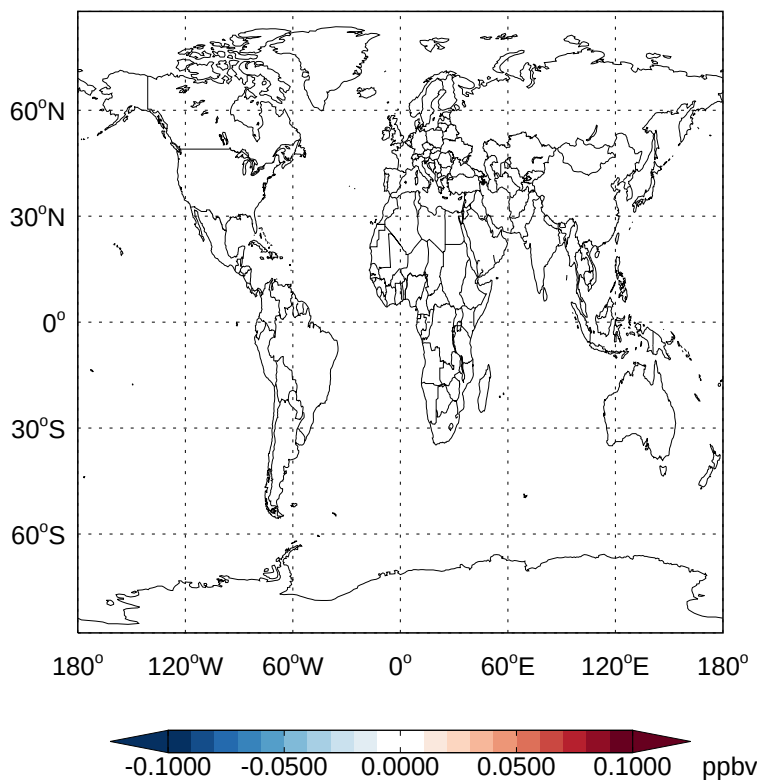
CINO2- Diff @ 500 hPa for Jan



# GEOS-Chem Difference Maps at surface and 500 hPa

v11-02e-Run1 - v11-02e-Run0

CIOO - Diff @ Surface for Jan



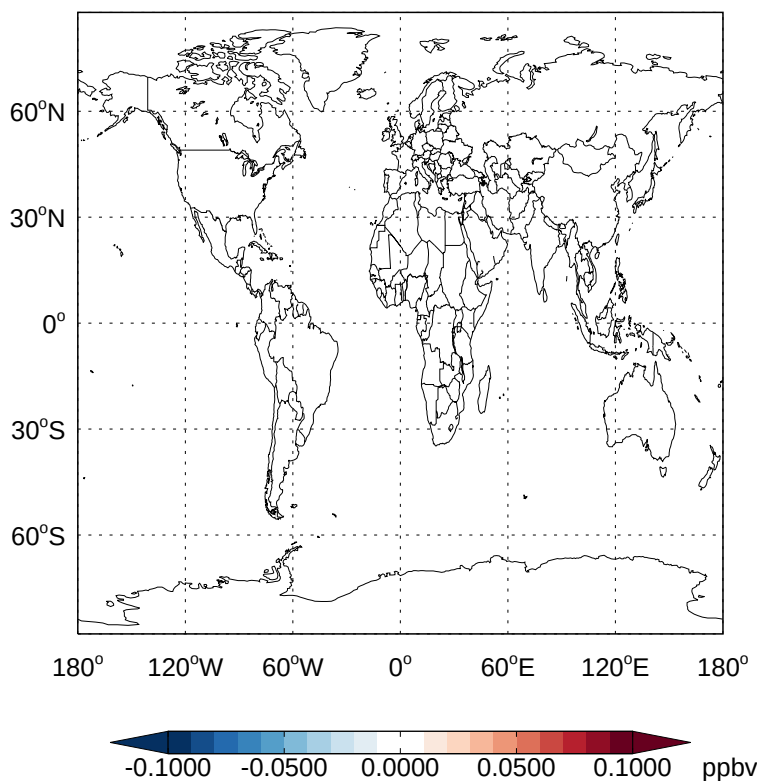
v11-02e-Run1 - v11-02e-Run0

CIOO- Diff @ 500 hPa for Jan



v11-02e-Run1 - v11-02d-Run1

CIOO - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

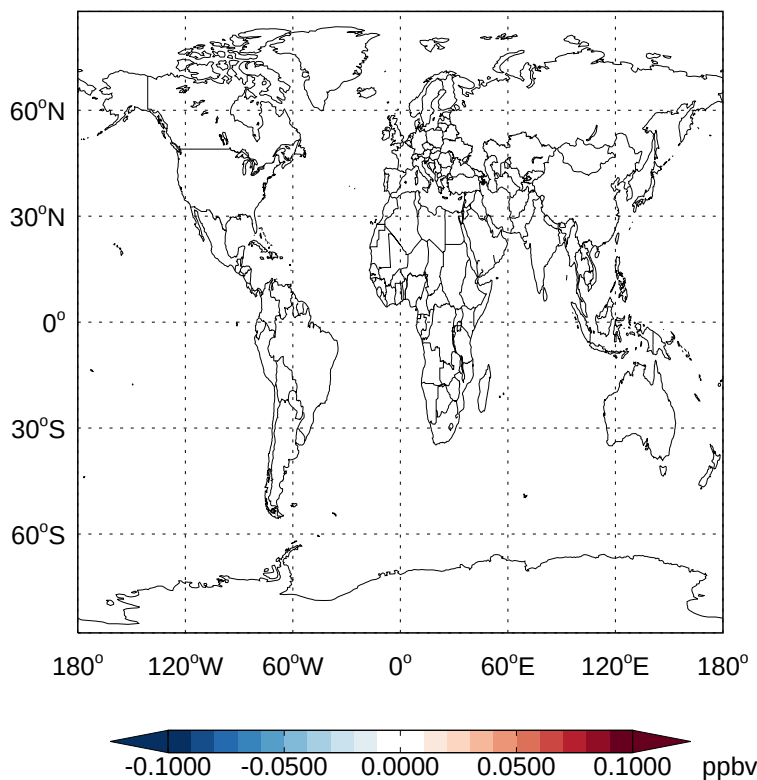
CIOO- Diff @ 500 hPa for Jan



# GEOS-Chem Difference Maps at surface and 500 hPa

v11-02e-Run1 - v11-02e-Run0

OCIO - Diff @ Surface for Jan



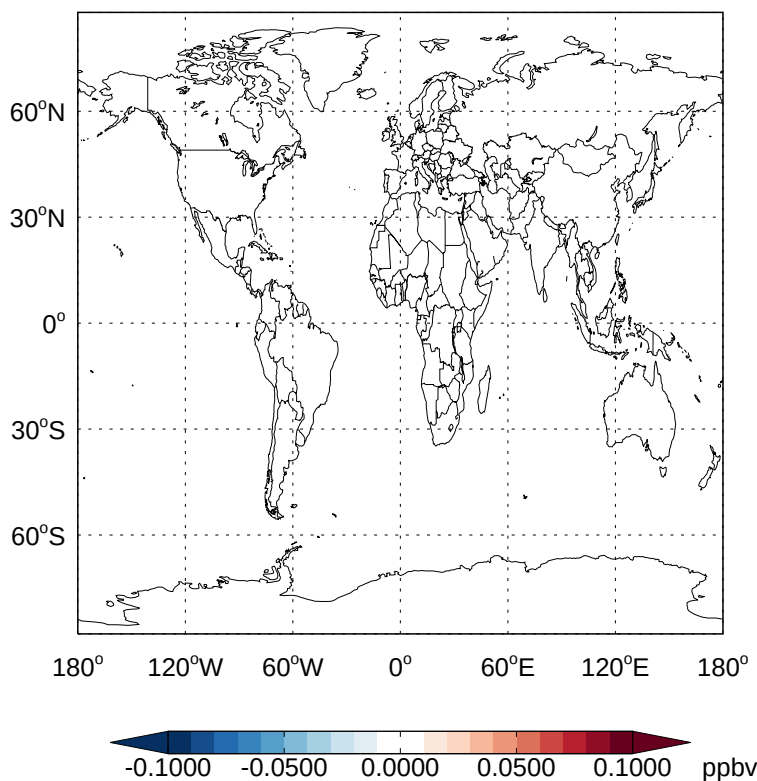
v11-02e-Run1 - v11-02e-Run0

OCIO- Diff @ 500 hPa for Jan



v11-02e-Run1 - v11-02d-Run1

OCIO - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

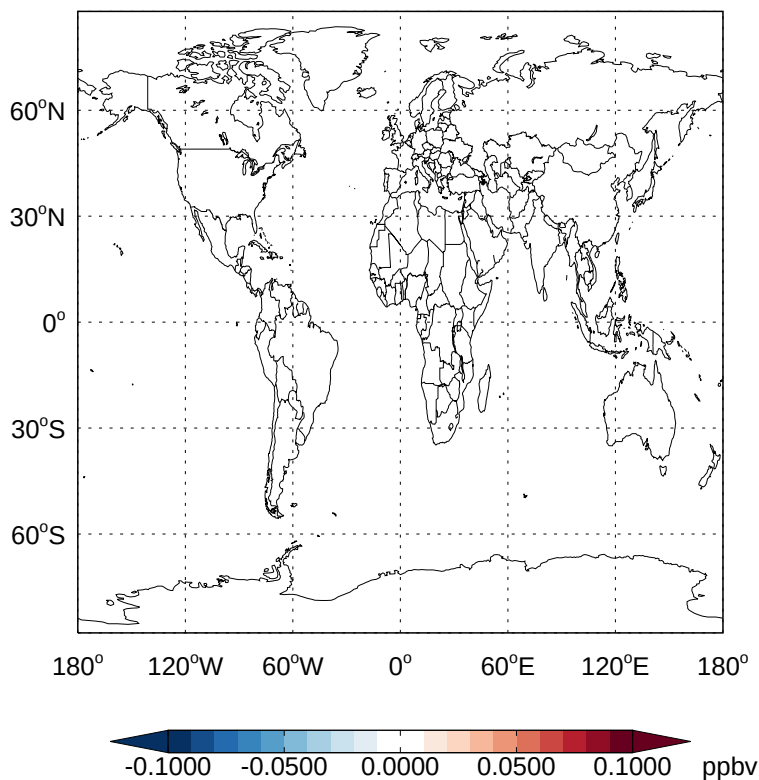
OCIO- Diff @ 500 hPa for Jan



# GEOS-Chem Difference Maps at surface and 500 hPa

v11-02e-Run1 - v11-02e-Run0

Cl2 - Diff @ Surface for Jan



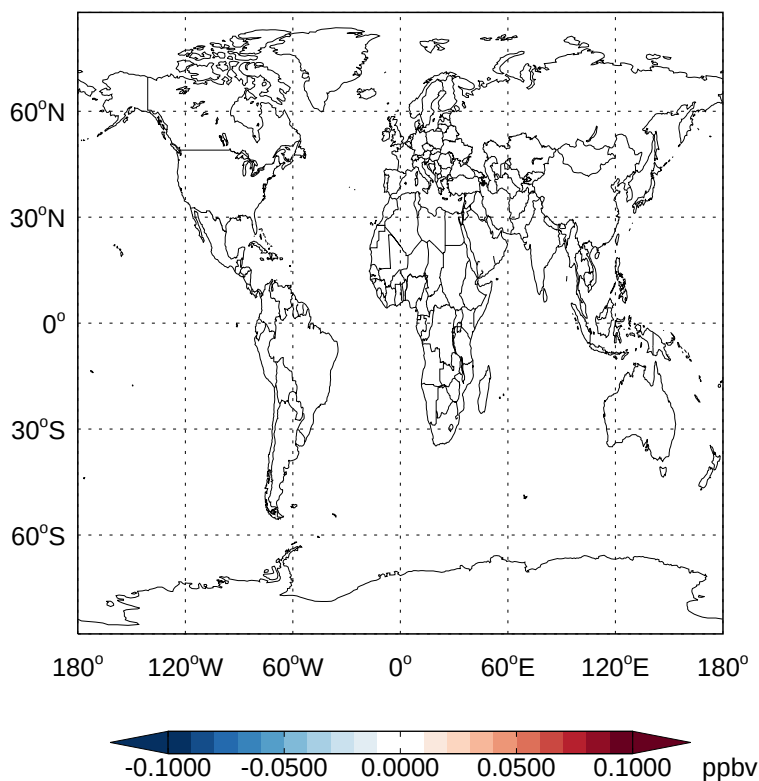
v11-02e-Run1 - v11-02e-Run0

Cl2- Diff @ 500 hPa for Jan



v11-02e-Run1 - v11-02d-Run1

Cl2 - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

Cl2- Diff @ 500 hPa for Jan

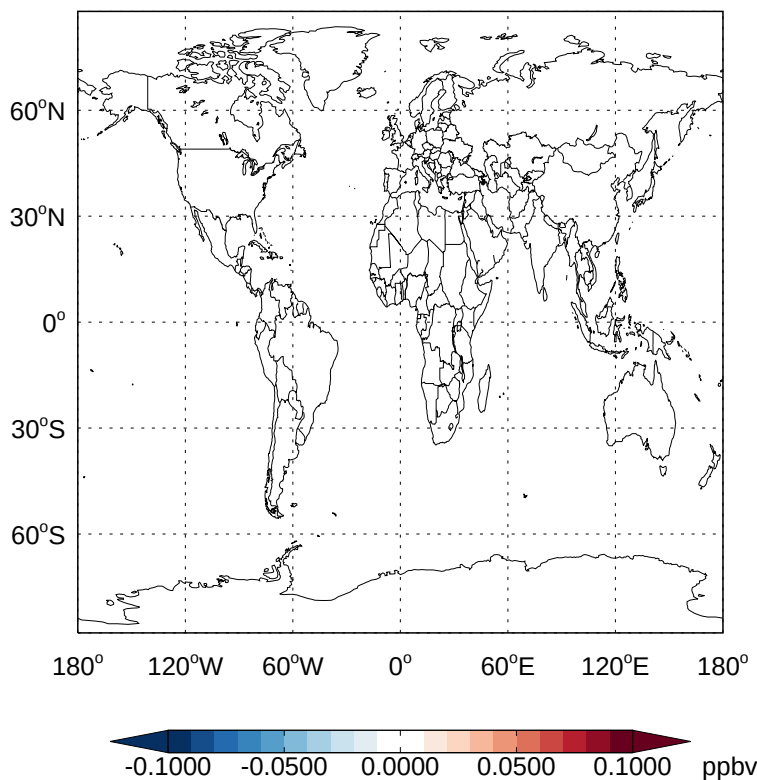




# GEOS-Chem Difference Maps at surface and 500 hPa

v11-02e-Run1 - v11-02e-Run0

Cl<sub>2</sub>O<sub>2</sub> - Diff @ Surface for Jan



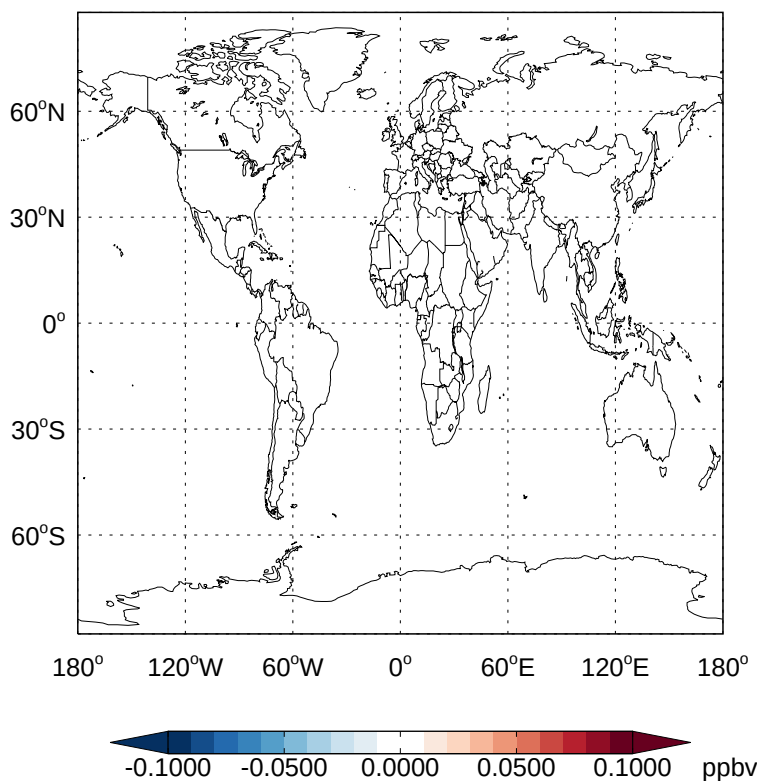
v11-02e-Run1 - v11-02e-Run0

Cl<sub>2</sub>O<sub>2</sub> - Diff @ 500 hPa for Jan



v11-02e-Run1 - v11-02d-Run1

Cl<sub>2</sub>O<sub>2</sub> - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

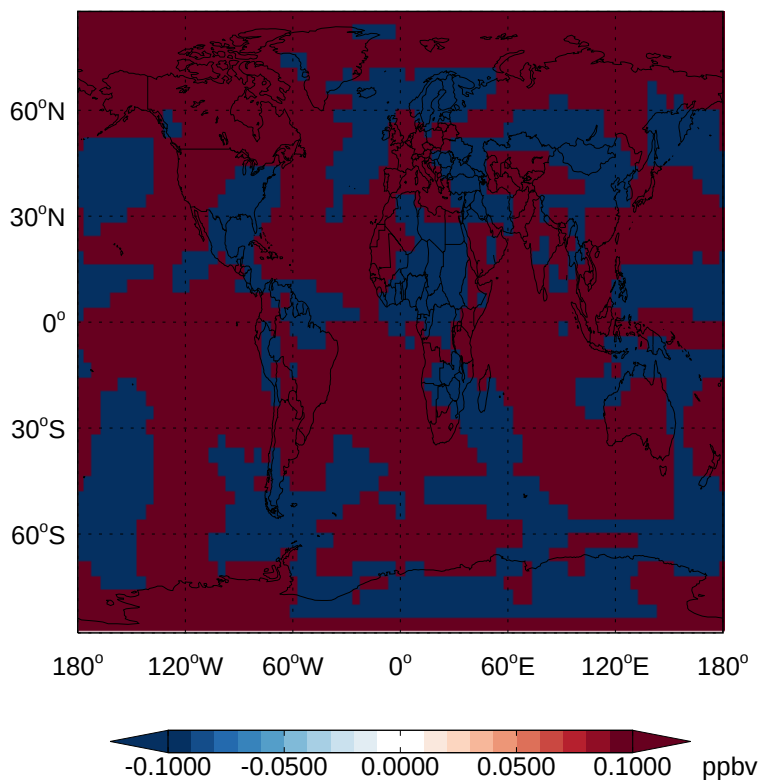
Cl<sub>2</sub>O<sub>2</sub> - Diff @ 500 hPa for Jan



## GEOS-Chem Difference Maps at surface and 500 hPa

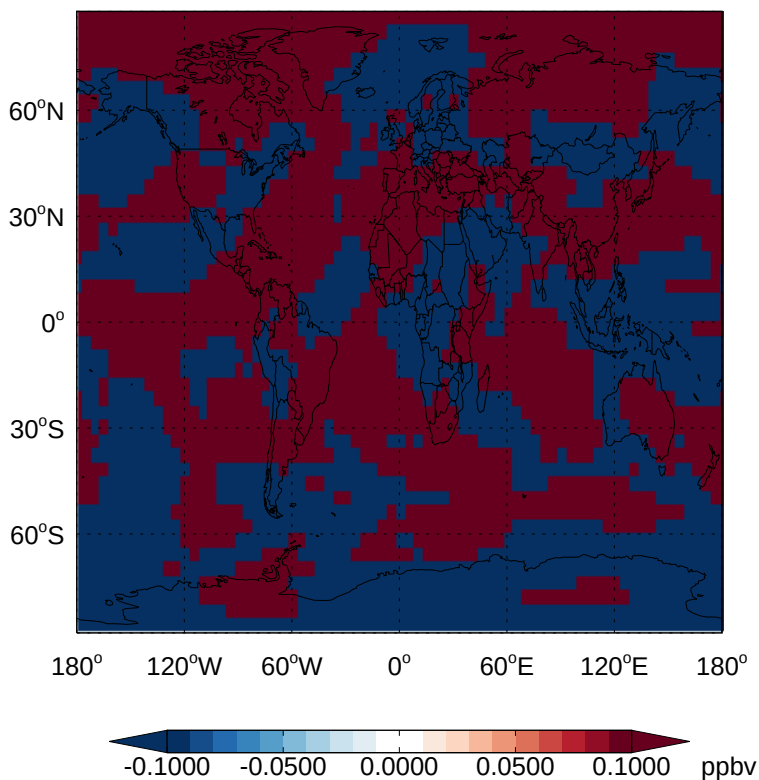
v11-02e-Run1 - v11-02e-Run0

H<sub>2</sub>O - Diff @ Surface for Jan



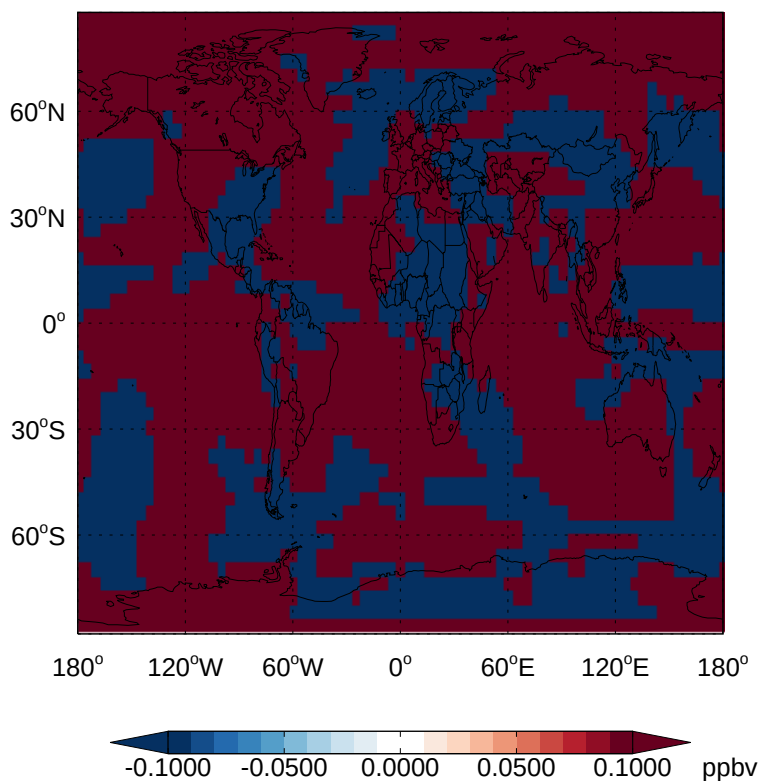
v11-02e-Run1 - v11-02e-Run0

H<sub>2</sub>O - Diff @ 500 hPa for Jan



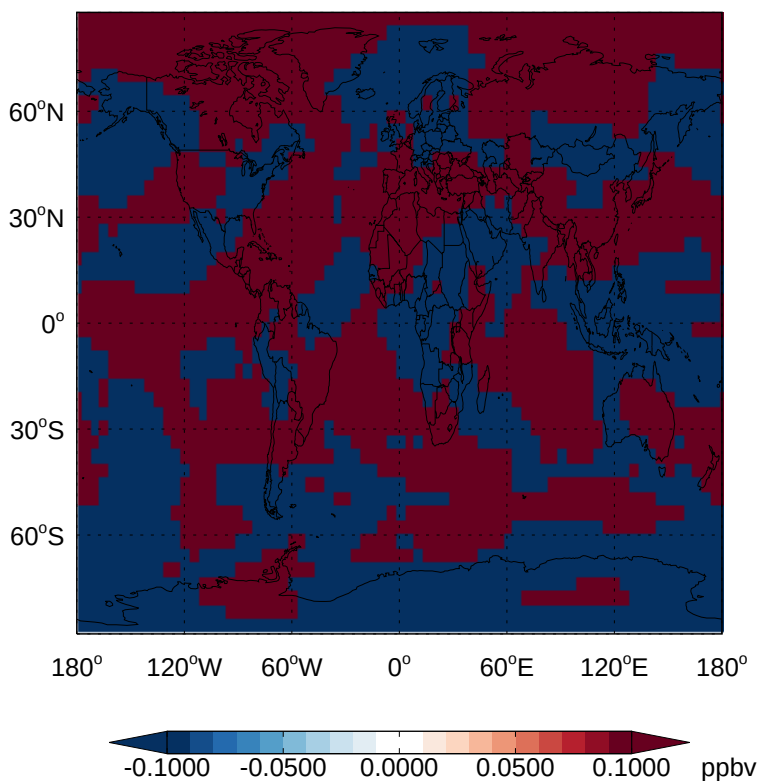
v11-02e-Run1 - v11-02d-Run1

H<sub>2</sub>O - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

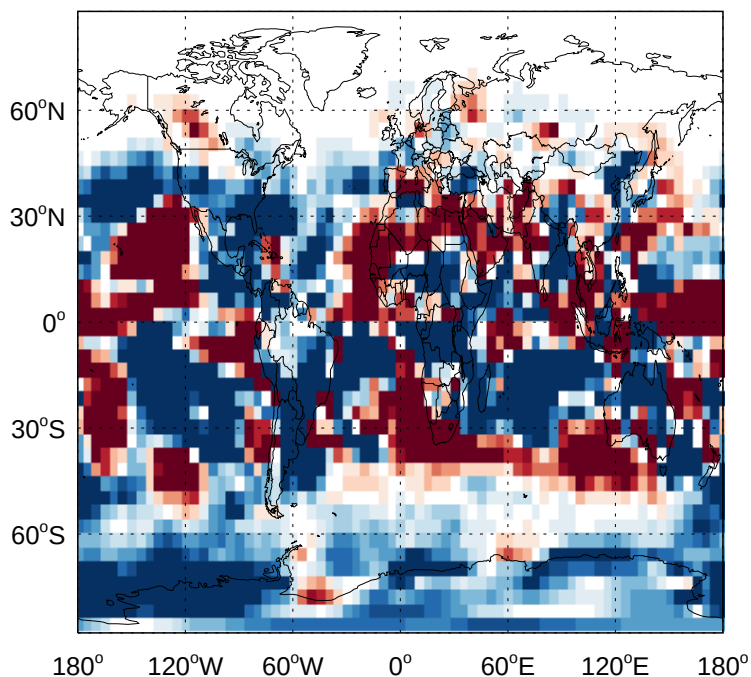
H<sub>2</sub>O - Diff @ 500 hPa for Jan



# GEOS-Chem Difference Maps at surface and 500 hPa

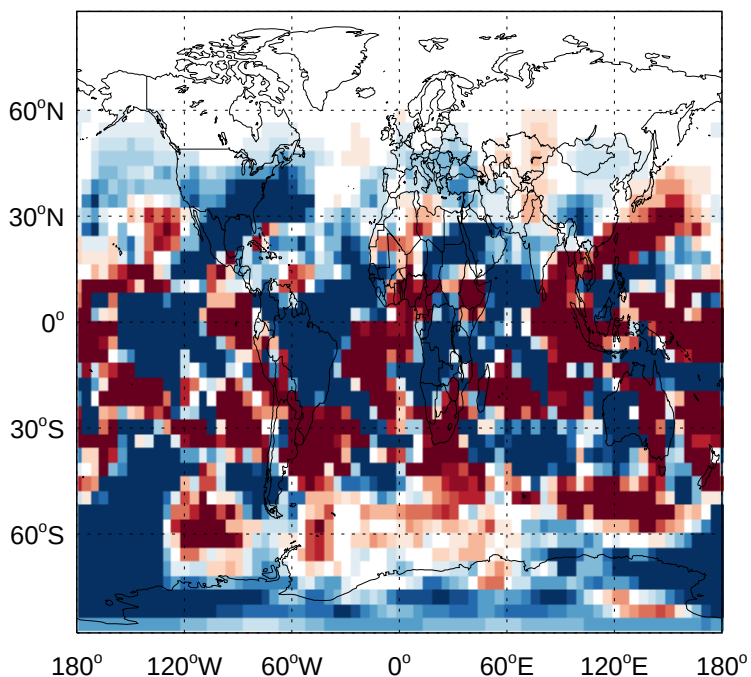
v11-02e-Run1 - v11-02e-Run0

OH - Diff @ Surface for Jan



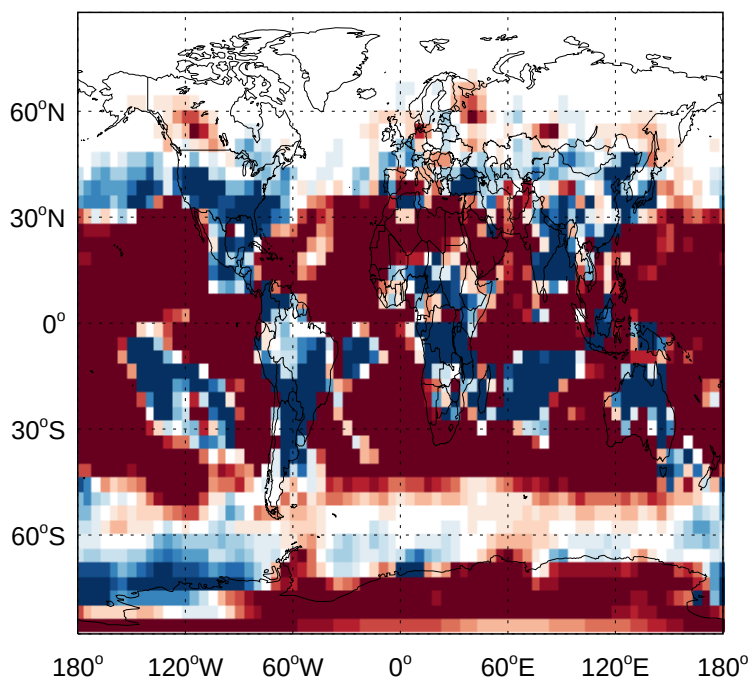
v11-02e-Run1 - v11-02e-Run0

OH- Diff @ 500 hPa for Jan



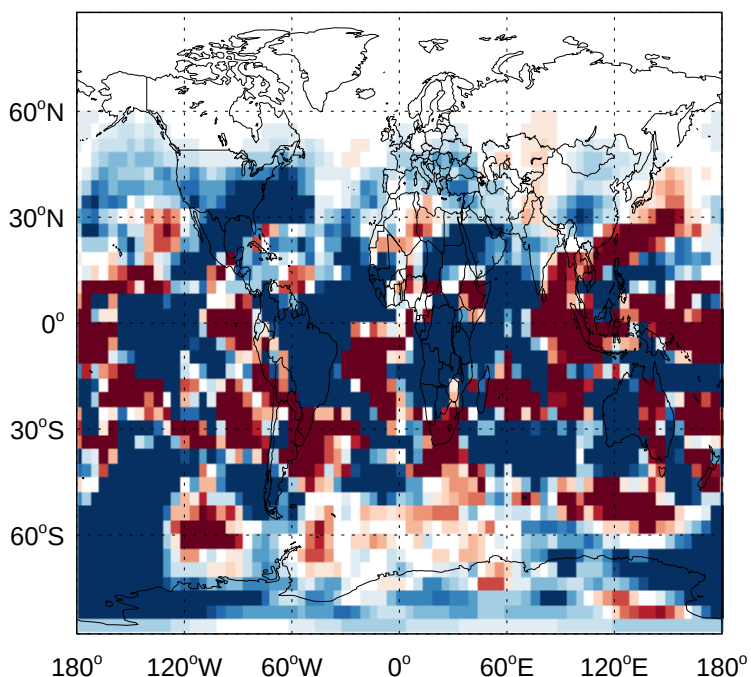
v11-02e-Run1 - v11-02d-Run1

OH - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

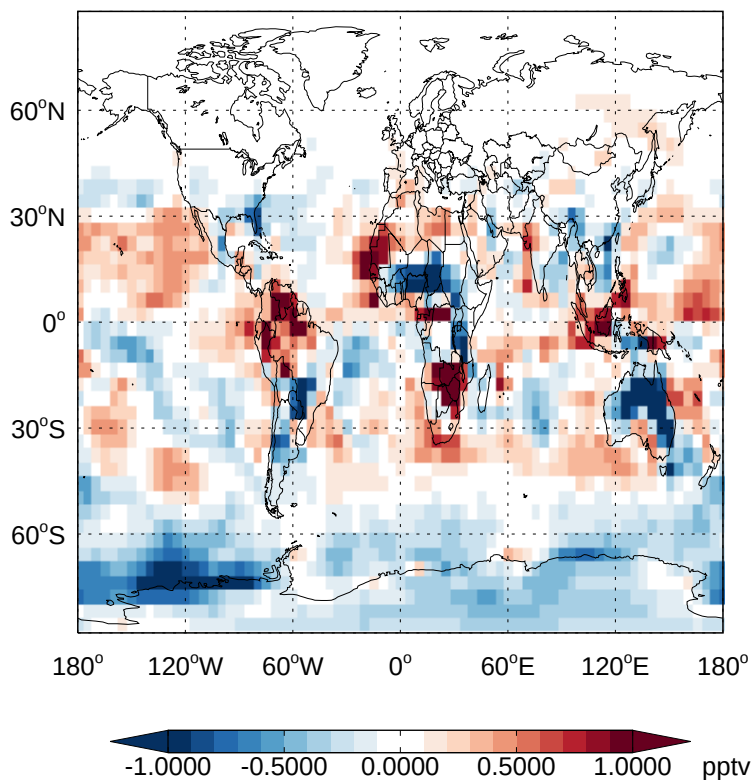
OH- Diff @ 500 hPa for Jan



# GEOS-Chem Difference Maps at surface and 500 hPa

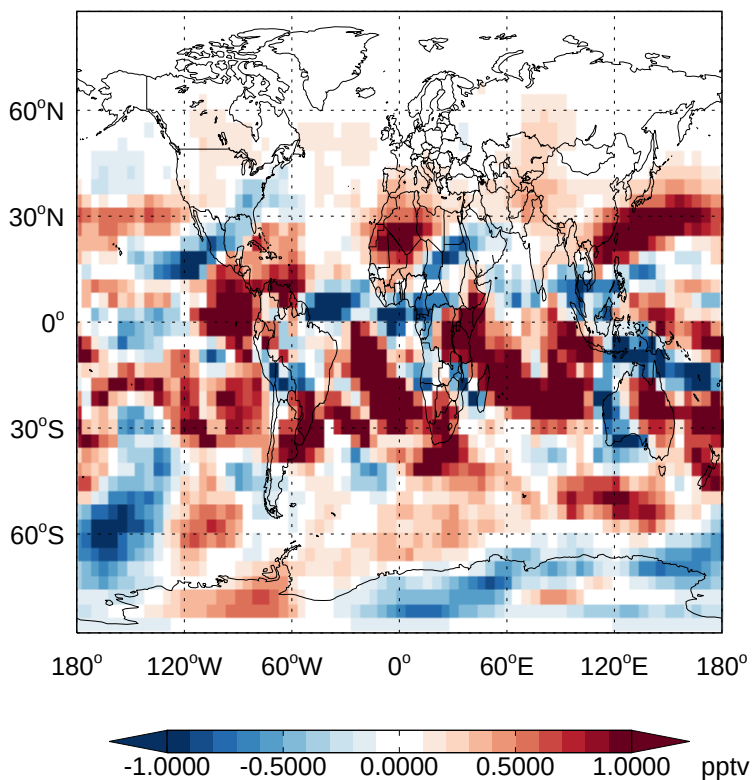
v11-02e-Run1 - v11-02e-Run0

HO2 - Diff @ Surface for Jan



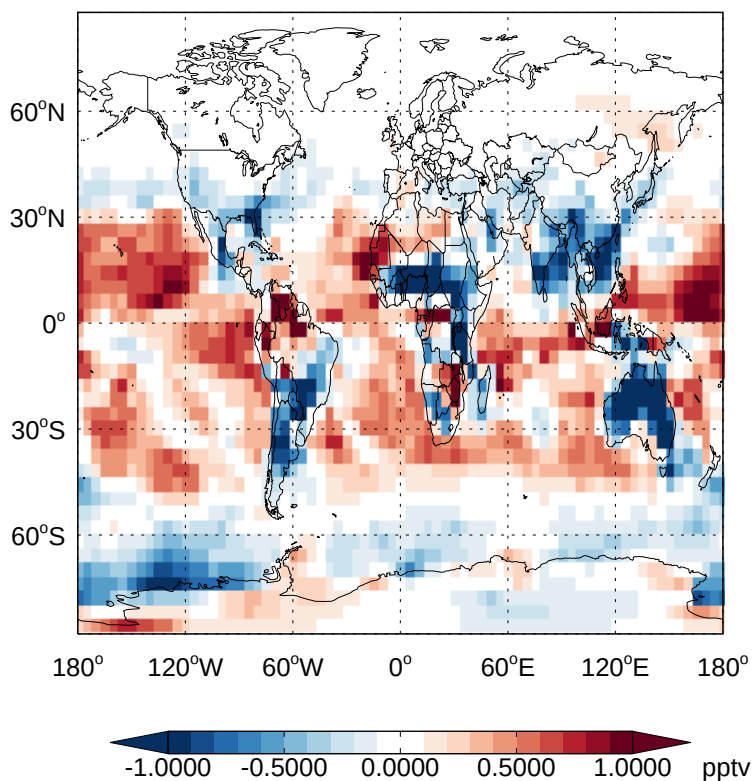
v11-02e-Run1 - v11-02e-Run0

HO2- Diff @ 500 hPa for Jan



v11-02e-Run1 - v11-02d-Run1

HO2 - Diff @ Surface for Jan



v11-02e-Run1 - v11-02d-Run1

HO2- Diff @ 500 hPa for Jan

