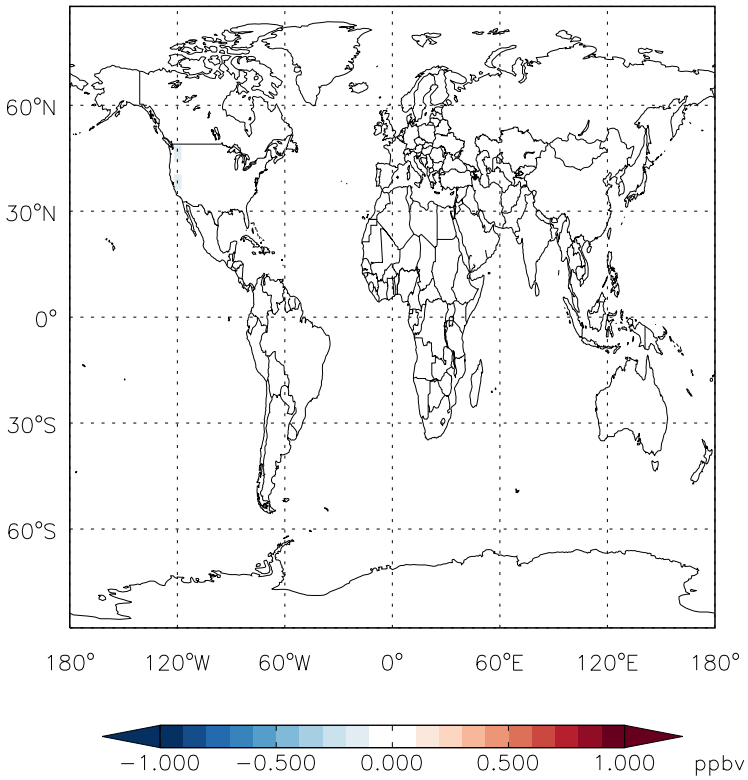
GEOS-Chem Difference Maps at surface and 500 hPa

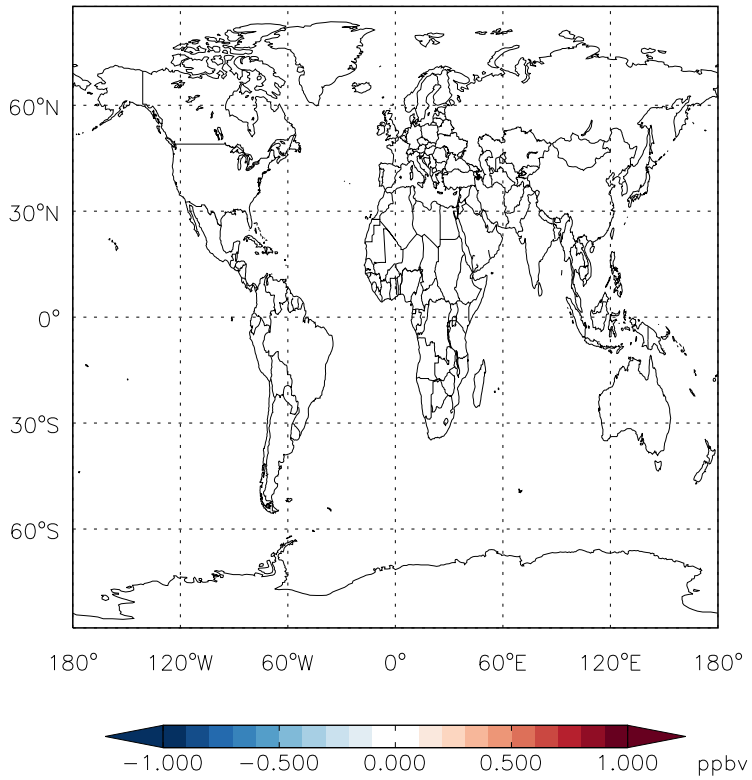
v11-01d-Run1 - v11-01b-Run0

NO - Diff @ Surface for Apr



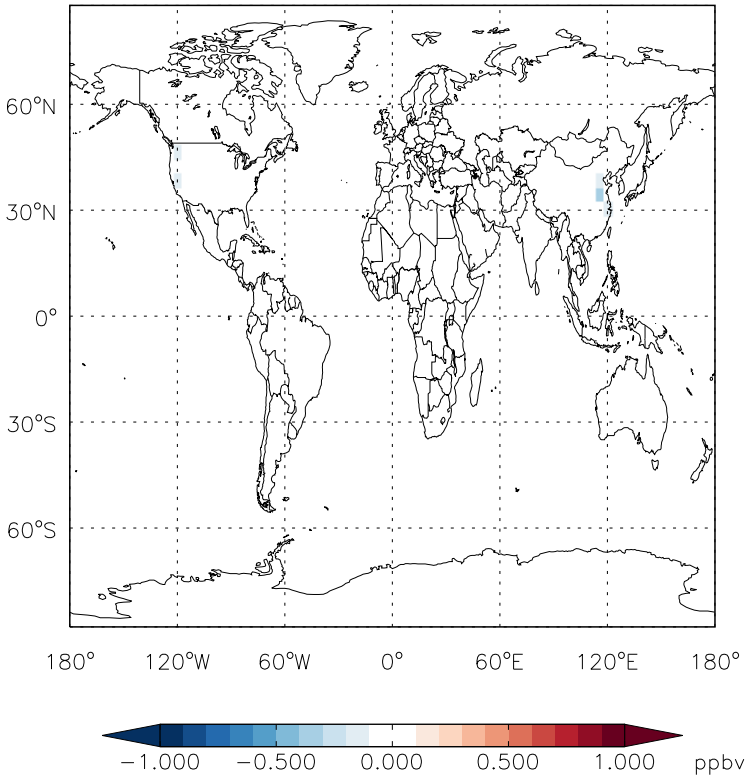
v11-01d-Run1 - v11-01b-Run0

NO- Diff @ 500 hPa for Apr



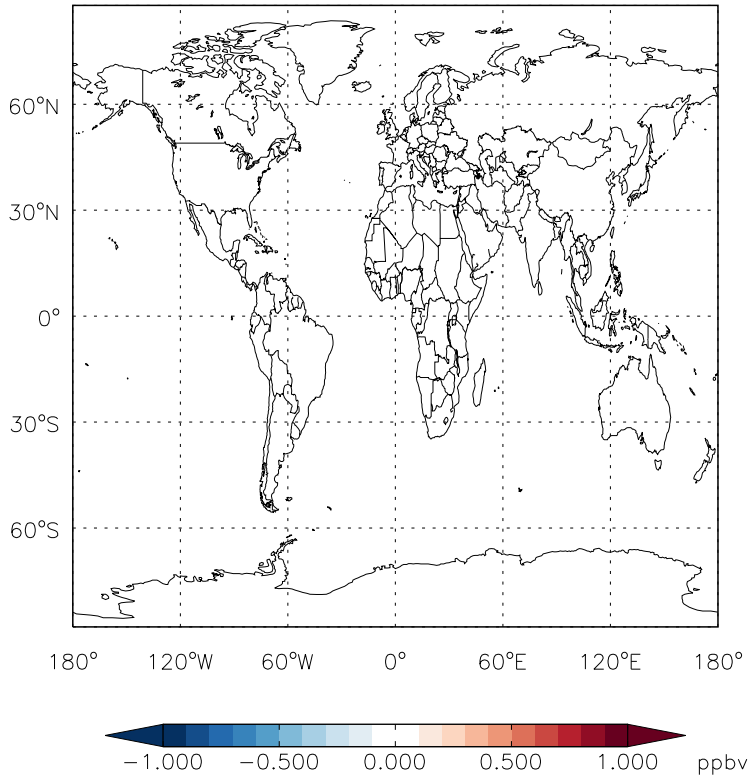
v11-01d-Run1 - v10-01-public-Run0

NO - Diff @ Surface for Apr



v11-01d-Run1 - v10-01-public-Run0

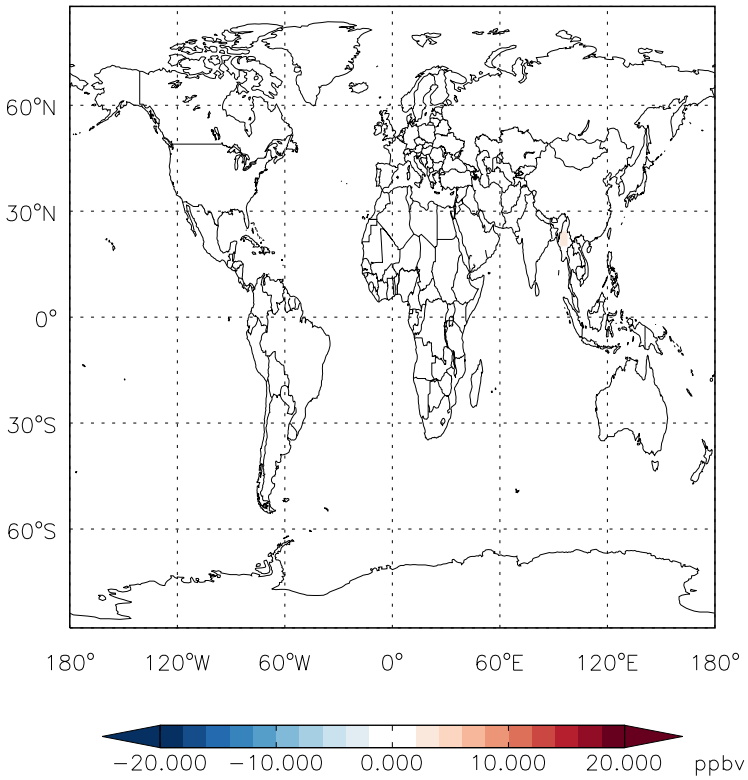
NO- Diff @ 500 hPa for Apr



GEOS–Chem Difference Maps at surface and 500 hPa

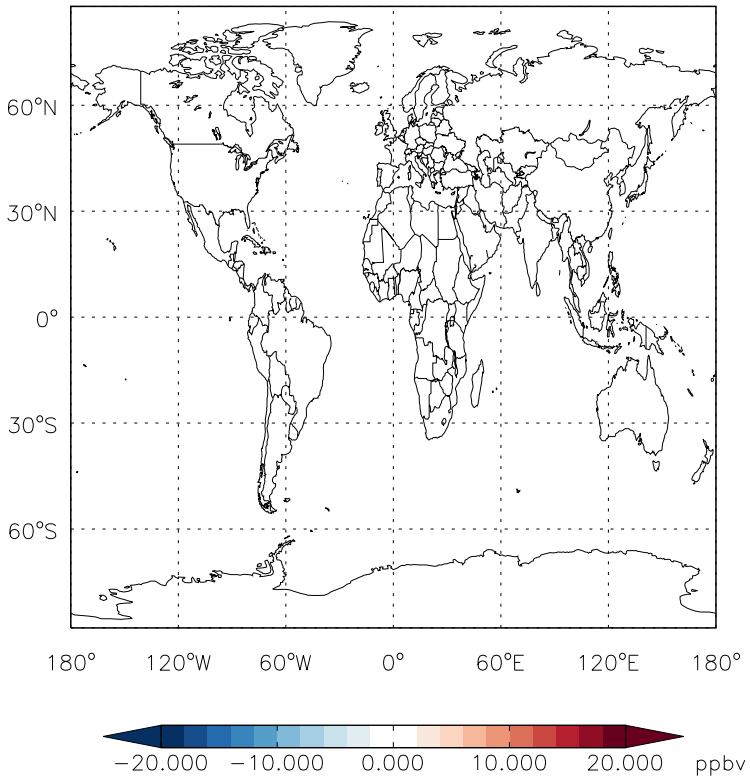
v11–01d–Run1 – v11–01b–Run0

O3 – Diff @ Surface for Apr



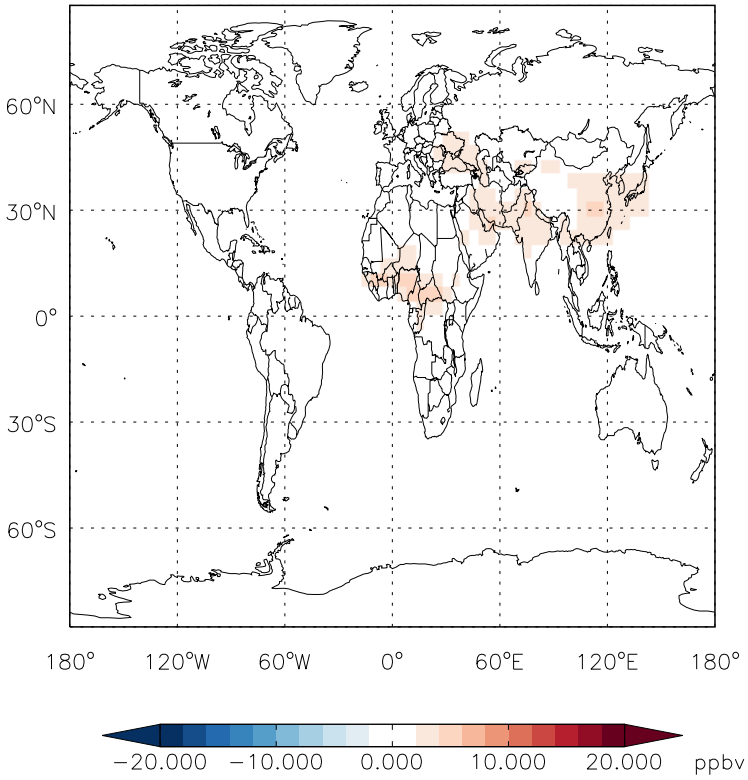
v11–01d–Run1 – v11–01b–Run0

O3– Diff @ 500 hPa for Apr



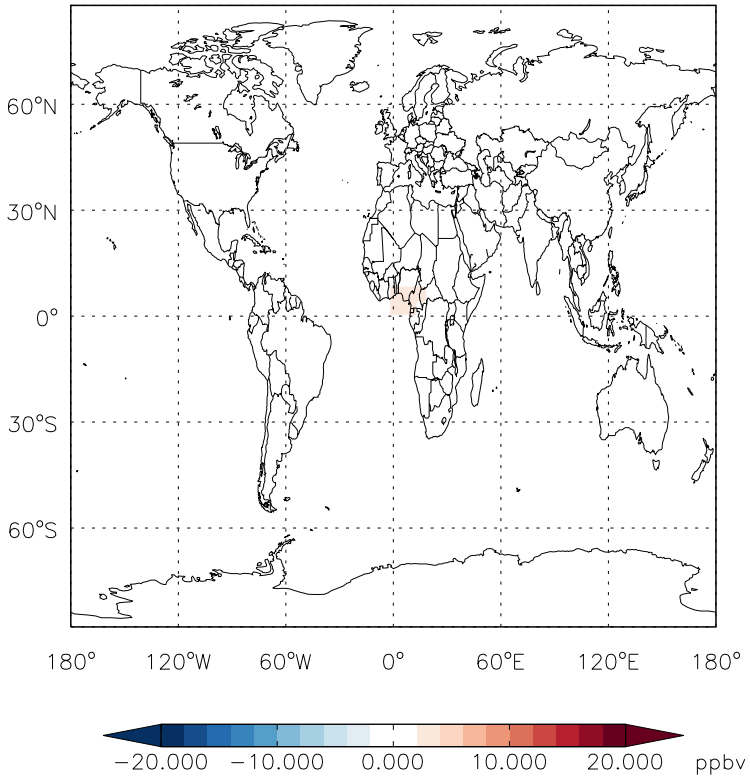
v11–01d–Run1 – v10–01–public–Run0

O3 – Diff @ Surface for Apr



v11–01d–Run1 – v10–01–public–Run0

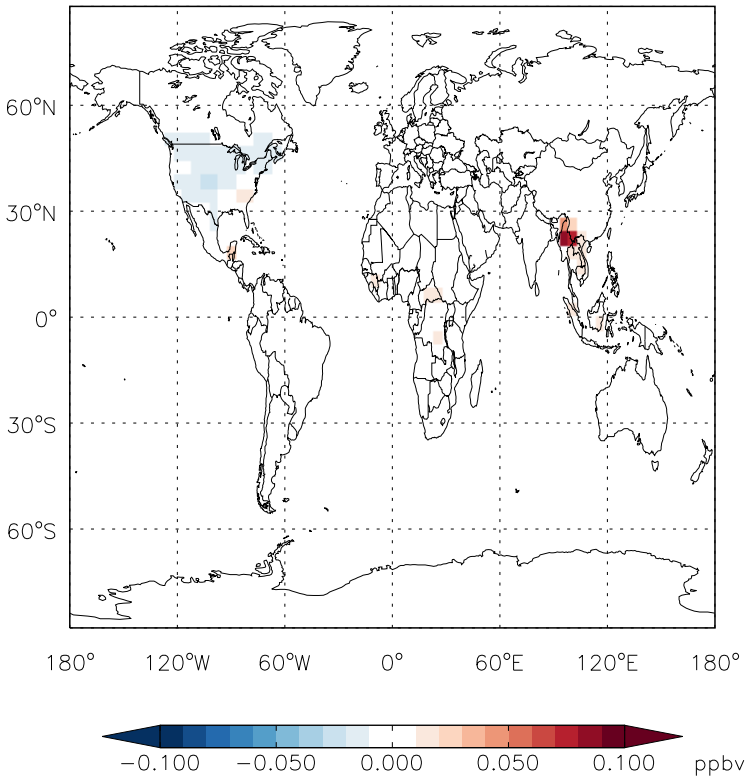
O3– Diff @ 500 hPa for Apr



GEOS−Chem Difference Maps at surface and 500 hPa

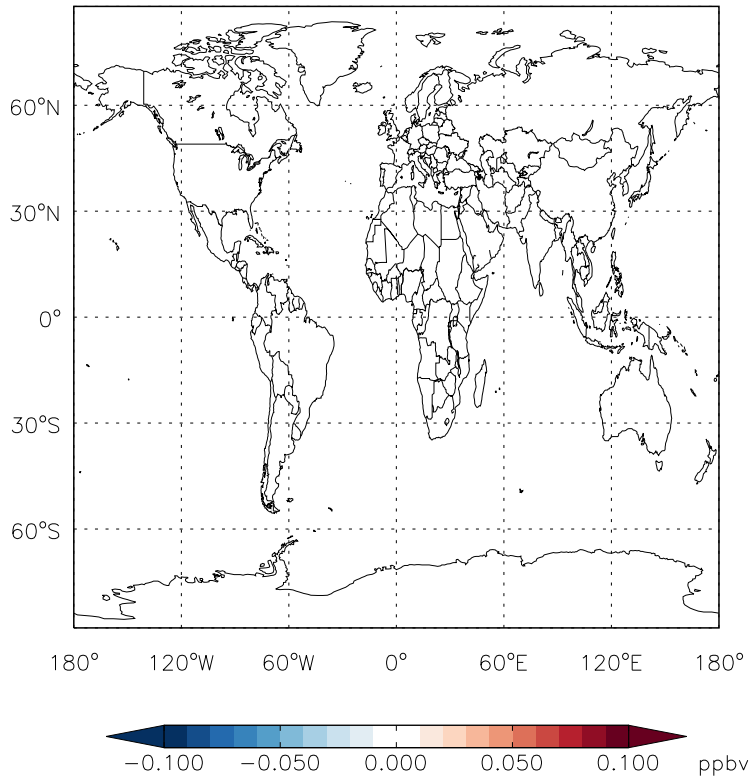
v11−01d−Run1 − v11−01b−Run0

PAN − Diff @ Surface for Apr



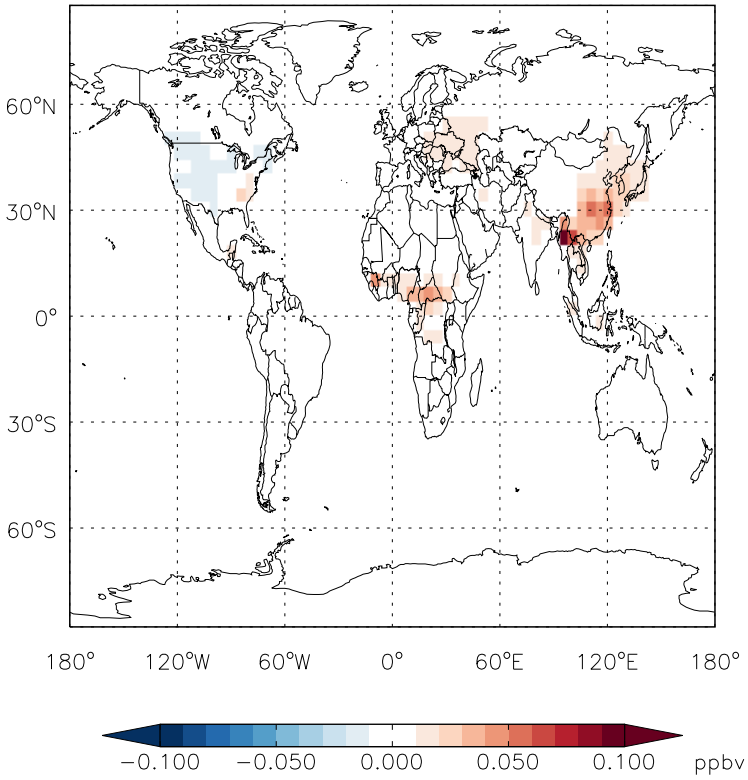
v11−01d−Run1 − v11−01b−Run0

PAN− Diff @ 500 hPa for Apr



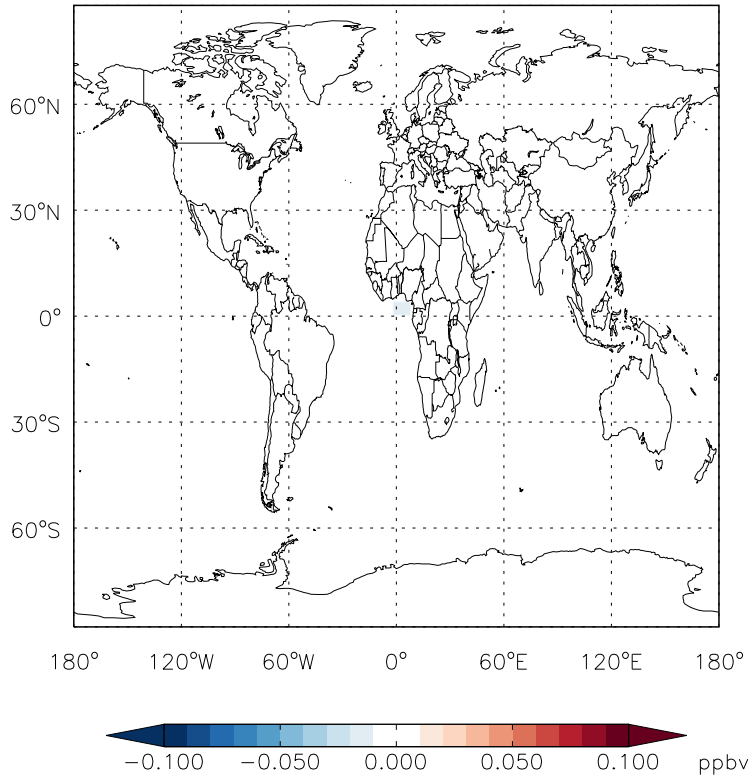
v11−01d−Run1 − v10−01−public−Run0

PAN − Diff @ Surface for Apr



v11−01d−Run1 − v10−01−public−Run0

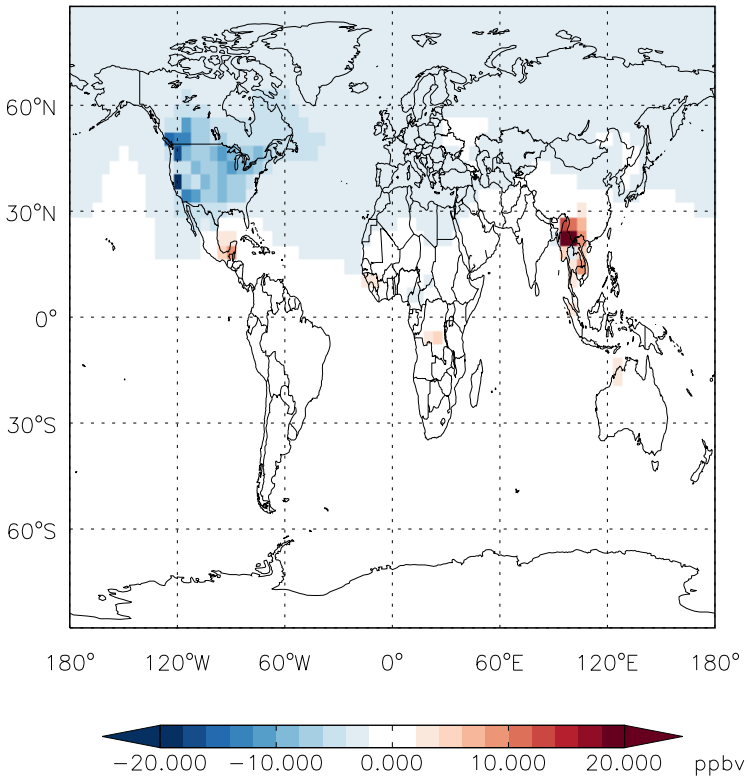
PAN− Diff @ 500 hPa for Apr



GEOS-Chem Difference Maps at surface and 500 hPa

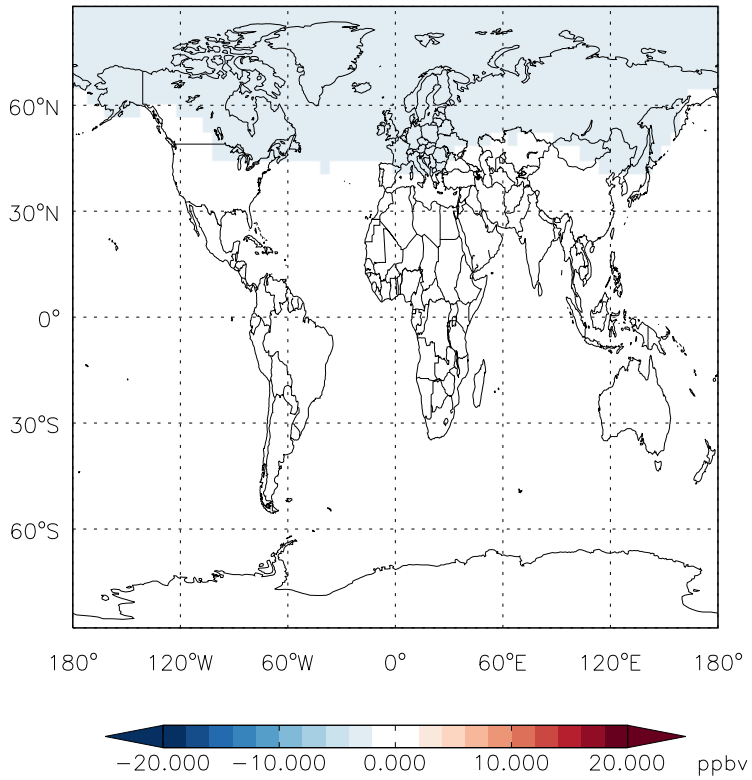
v11-01d-Run1 - v11-01b-Run0

CO - Diff @ Surface for Apr



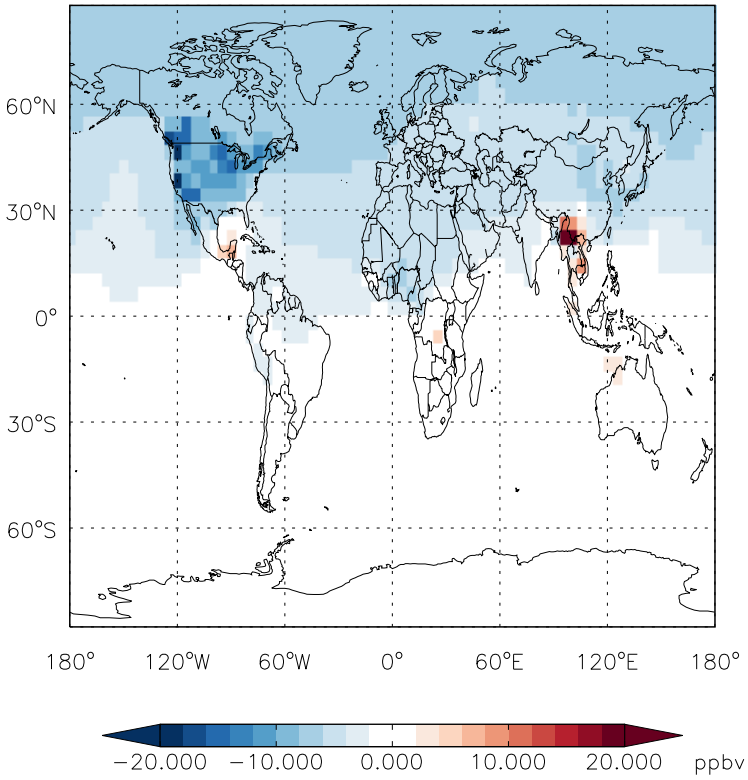
v11-01d-Run1 - v11-01b-Run0

CO- Diff @ 500 hPa for Apr



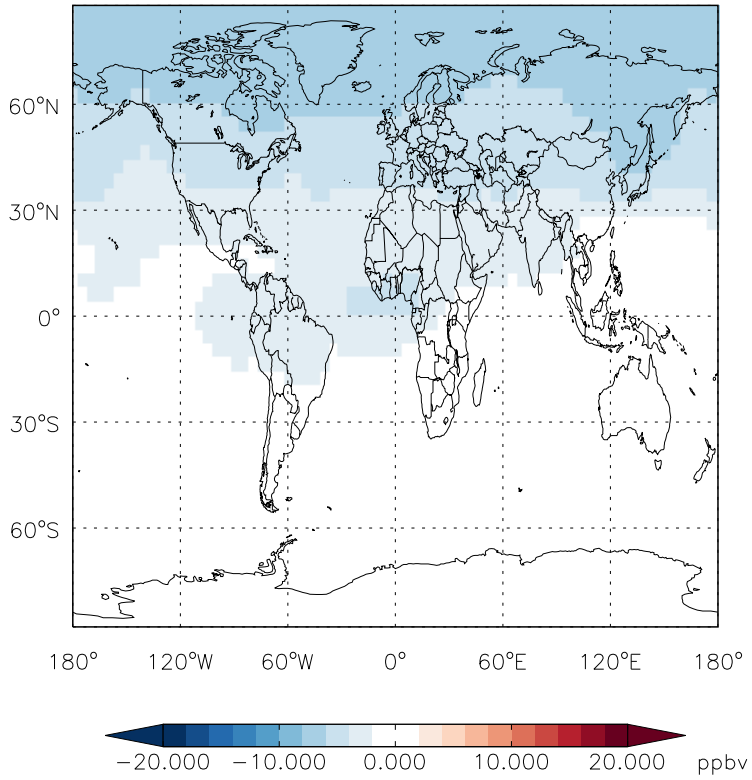
v11-01d-Run1 - v10-01-public-Run0

CO - Diff @ Surface for Apr



v11-01d-Run1 - v10-01-public-Run0

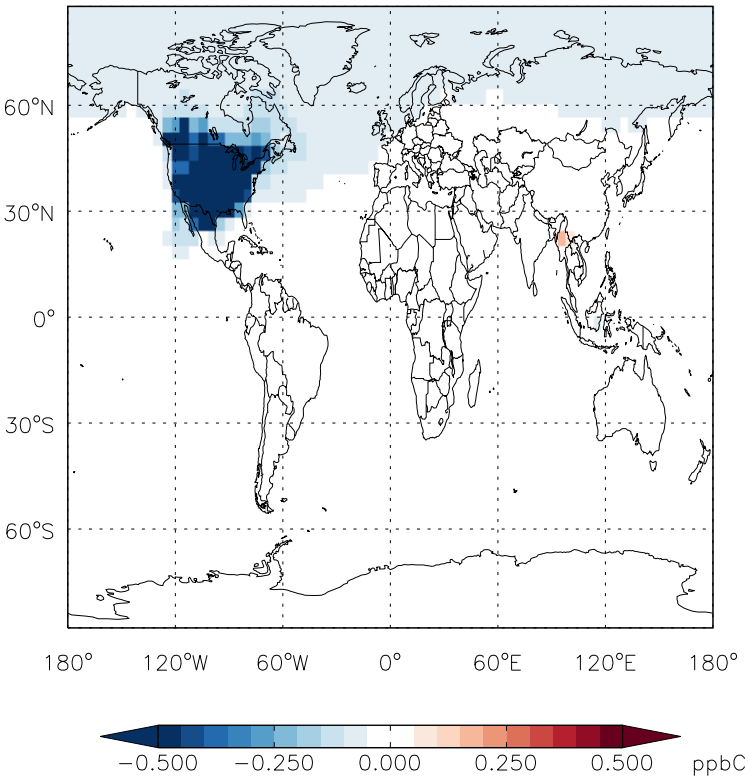
CO- Diff @ 500 hPa for Apr



GEOS−Chem Difference Maps at surface and 500 hPa

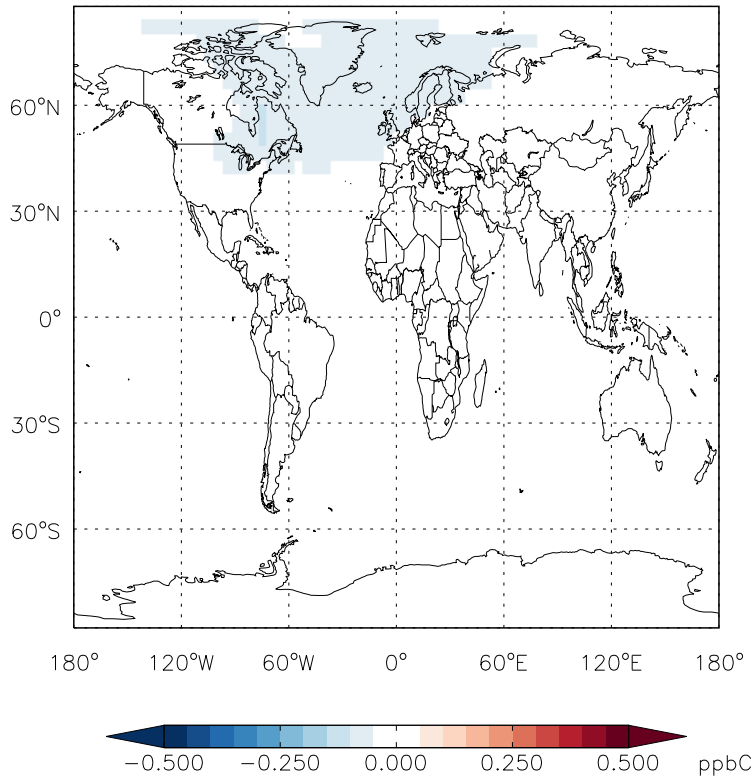
v11−01d−Run1 − v11−01b−Run0

ALK4 − Diff @ Surface for Apr



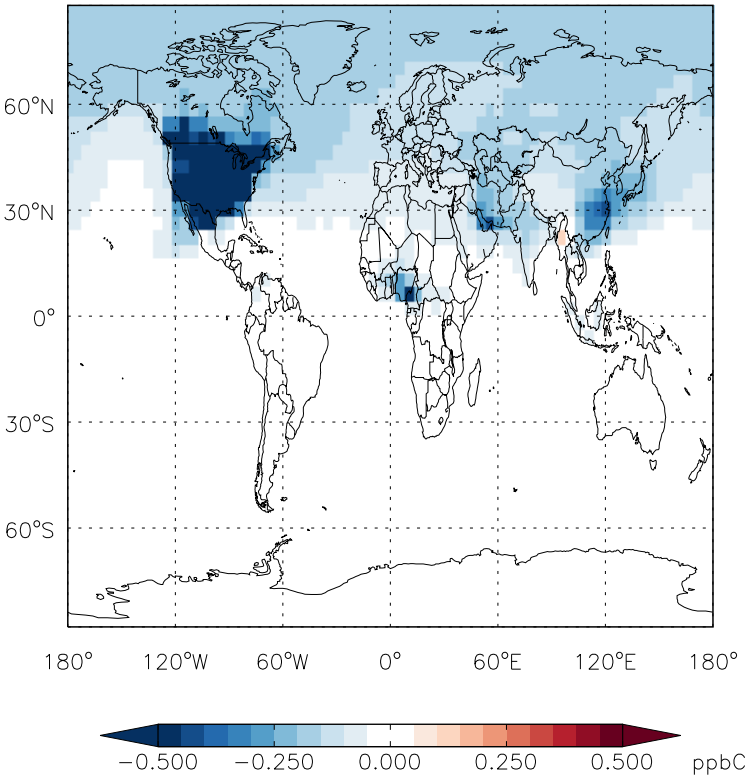
v11−01d−Run1 − v11−01b−Run0

ALK4− Diff @ 500 hPa for Apr



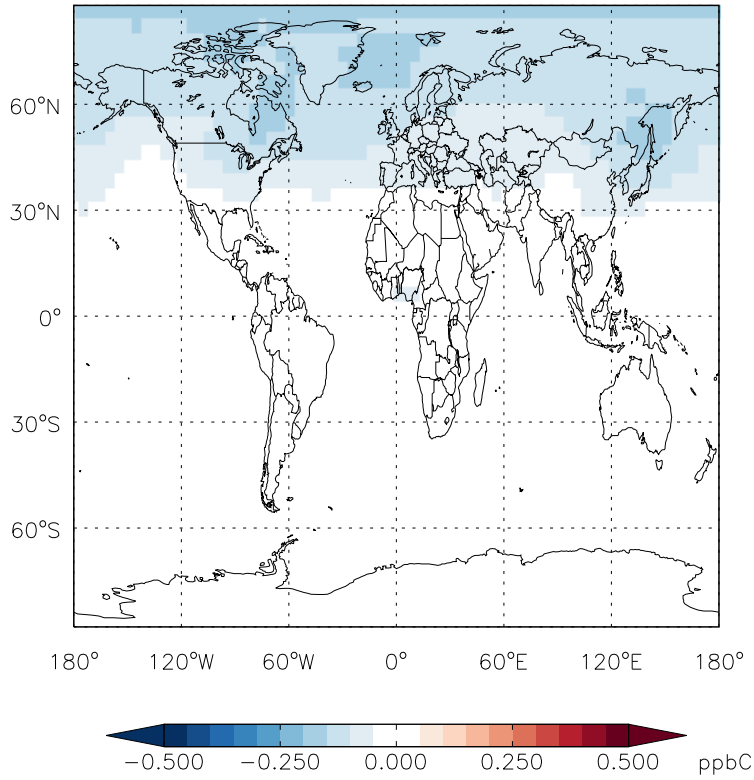
v11−01d−Run1 − v10−01−public−Run0

ALK4 − Diff @ Surface for Apr



v11−01d−Run1 − v10−01−public−Run0

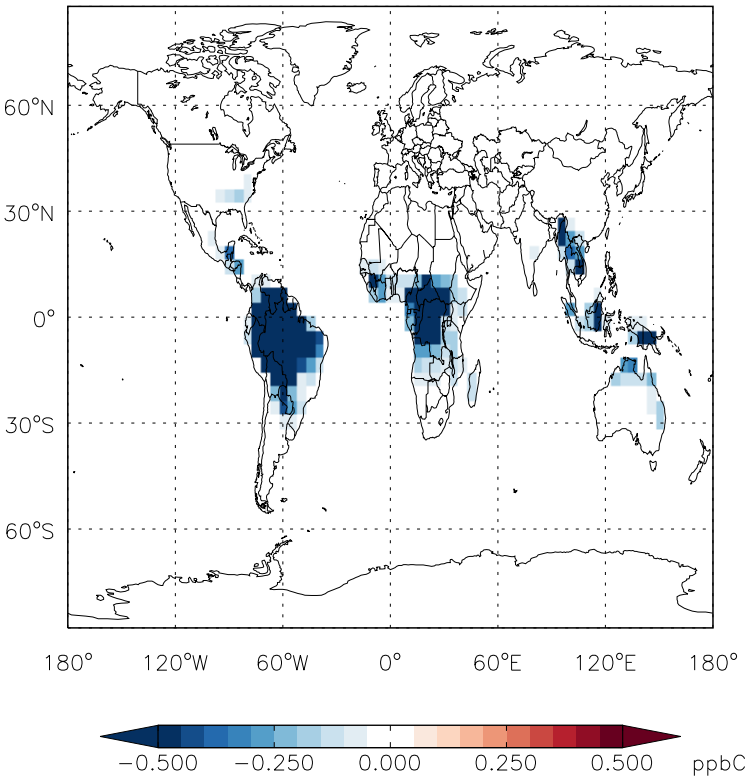
ALK4− Diff @ 500 hPa for Apr



GEOS−Chem Difference Maps at surface and 500 hPa

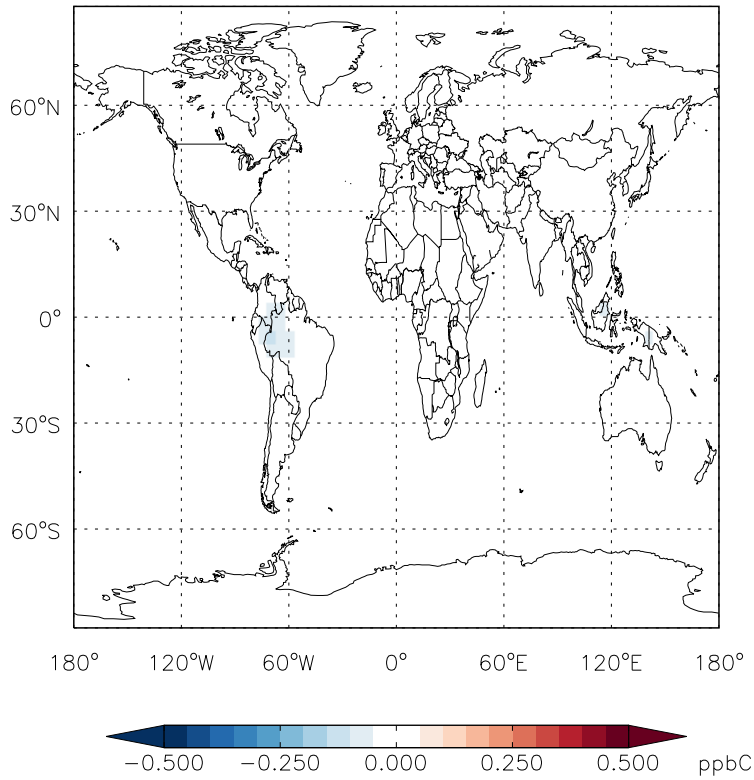
v11−01d−Run1 − v11−01b−Run0

ISOP − Diff @ Surface for Apr



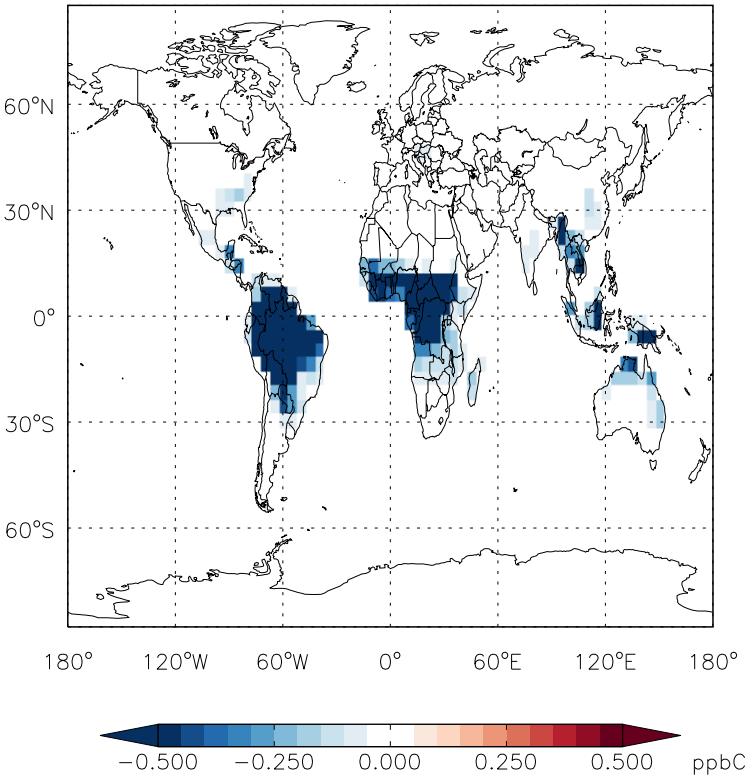
v11−01d−Run1 − v11−01b−Run0

ISOP− Diff @ 500 hPa for Apr



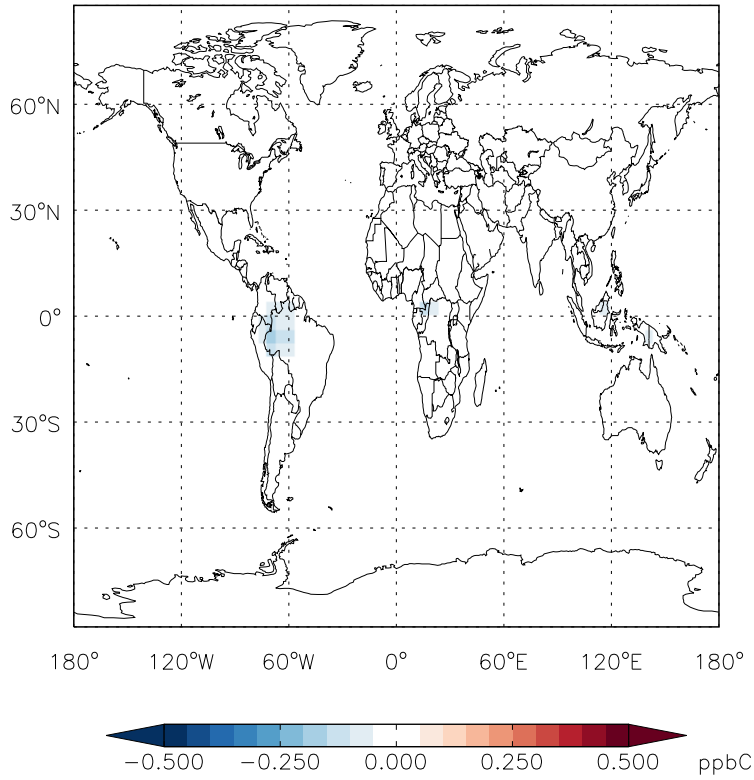
v11−01d−Run1 − v10−01−public−Run0

ISOP − Diff @ Surface for Apr



v11−01d−Run1 − v10−01−public−Run0

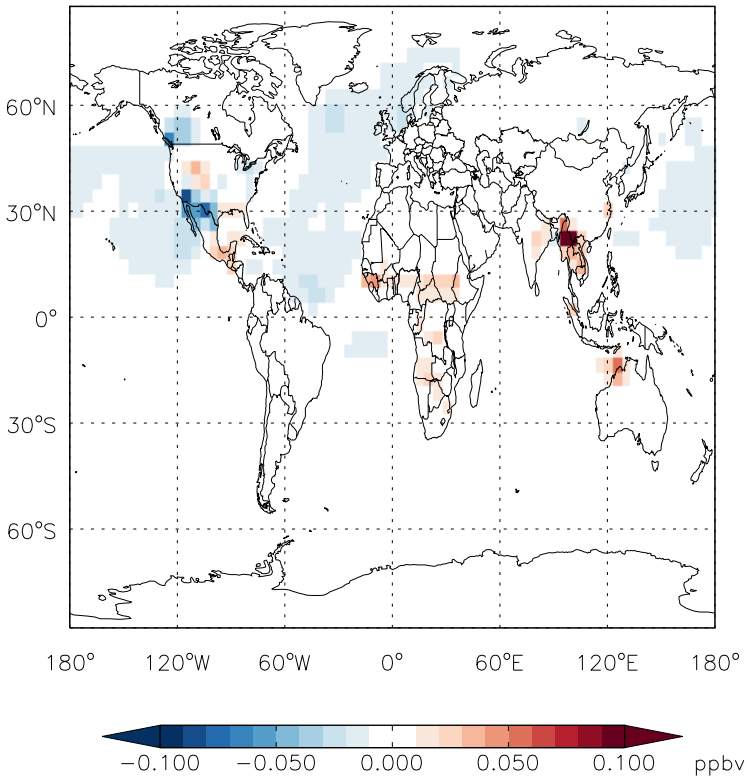
ISOP− Diff @ 500 hPa for Apr



GEOS−Chem Difference Maps at surface and 500 hPa

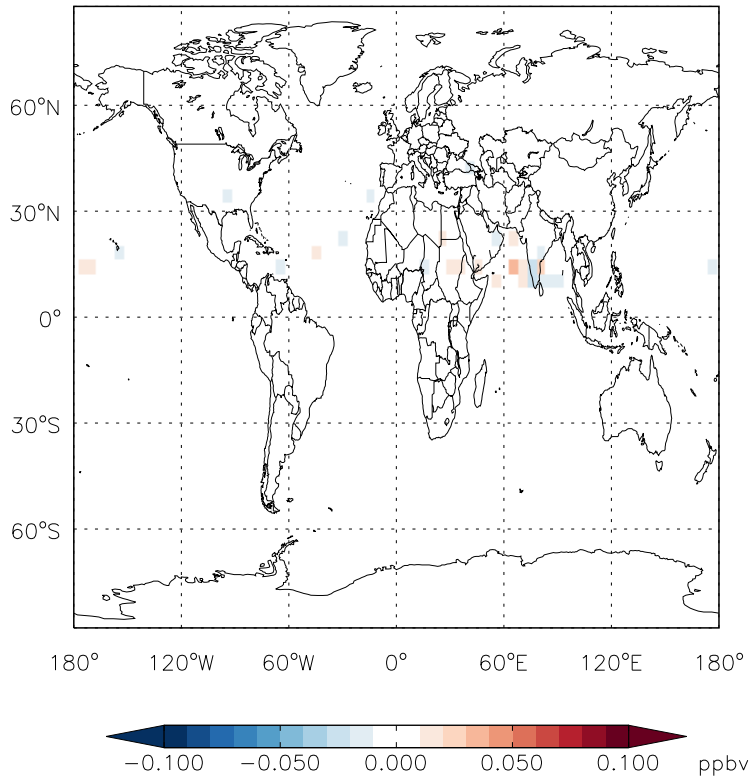
v11−01d−Run1 − v11−01b−Run0

HNO3 − Diff @ Surface for Apr



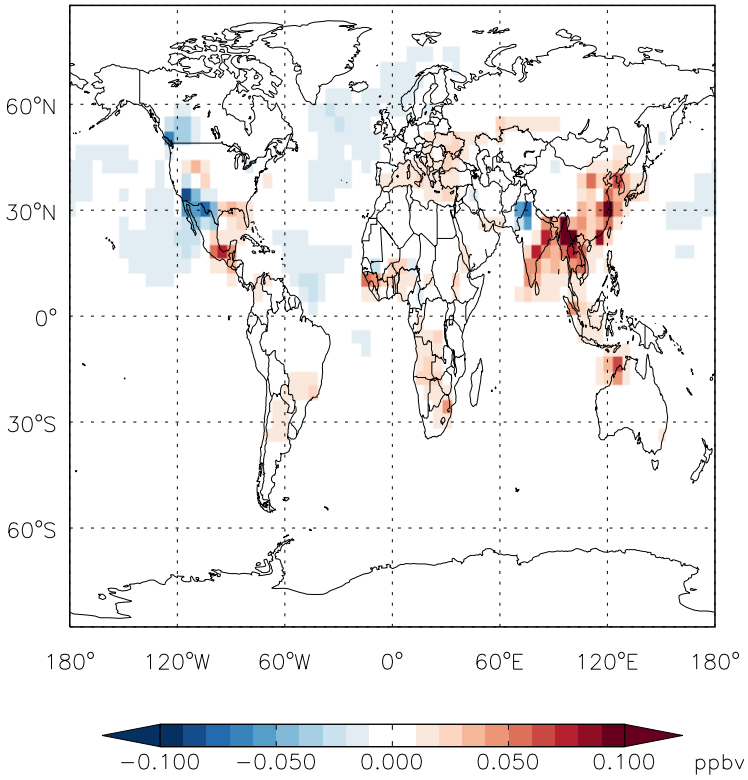
v11−01d−Run1 − v11−01b−Run0

HNO3− Diff @ 500 hPa for Apr



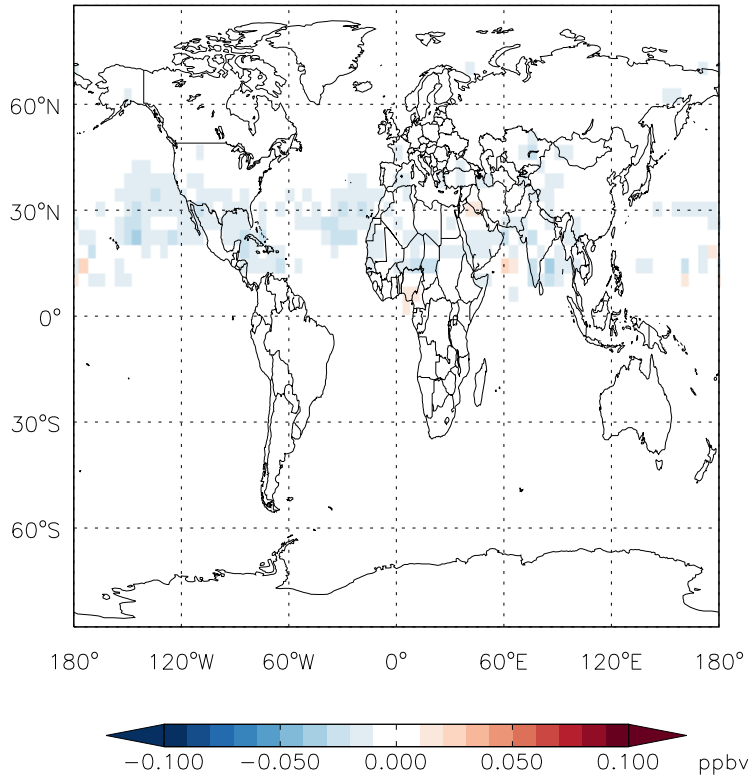
v11−01d−Run1 − v10−01−public−Run0

HNO3 − Diff @ Surface for Apr



v11−01d−Run1 − v10−01−public−Run0

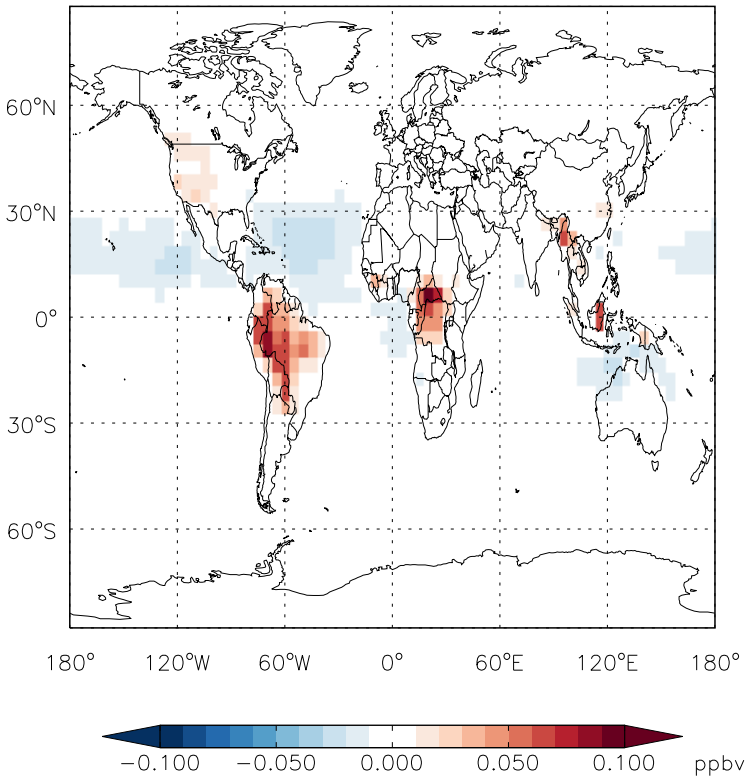
HNO3− Diff @ 500 hPa for Apr



GEOS−Chem Difference Maps at surface and 500 hPa

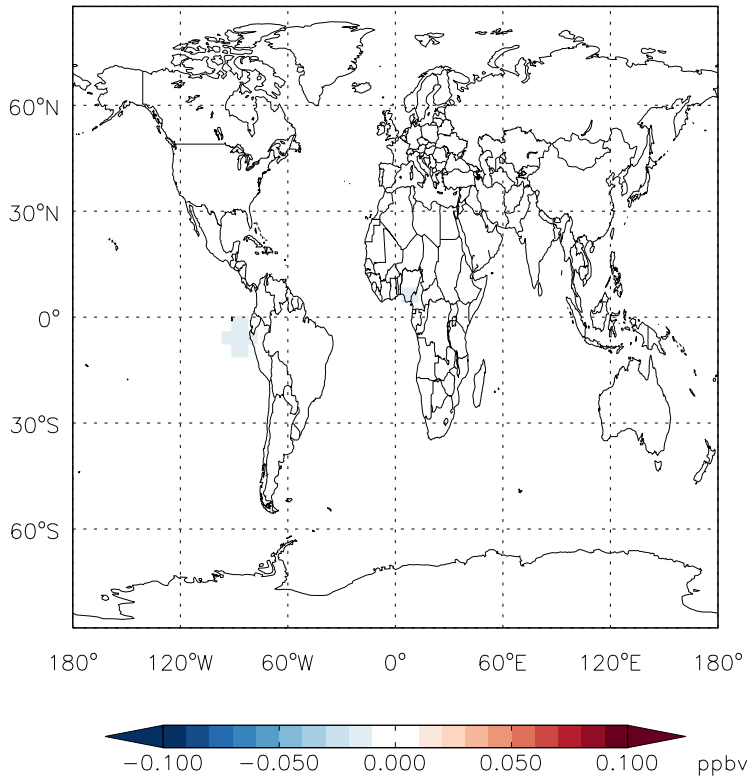
v11−01d−Run1 − v11−01b−Run0

H2O2 − Diff @ Surface for Apr



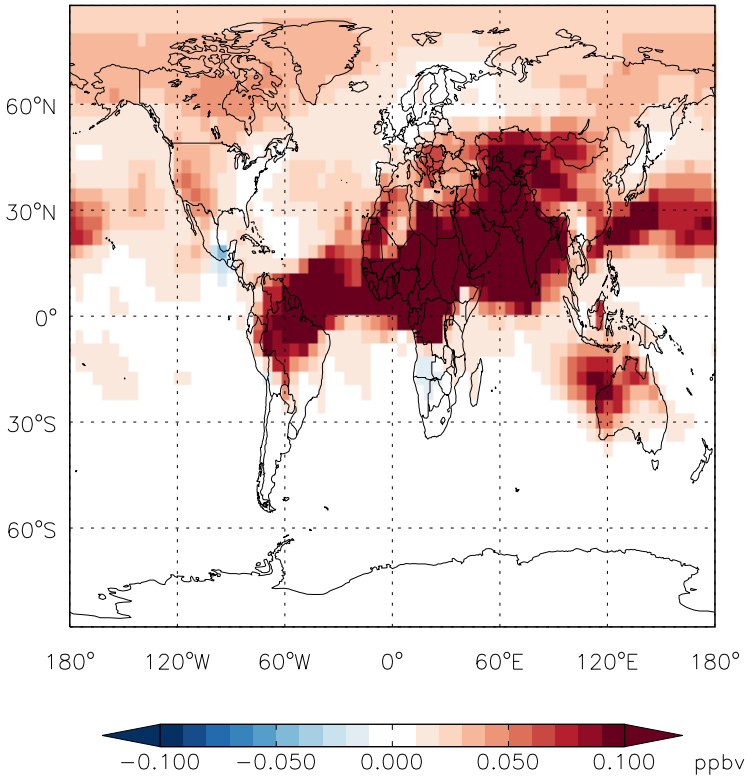
v11−01d−Run1 − v11−01b−Run0

H2O2− Diff @ 500 hPa for Apr



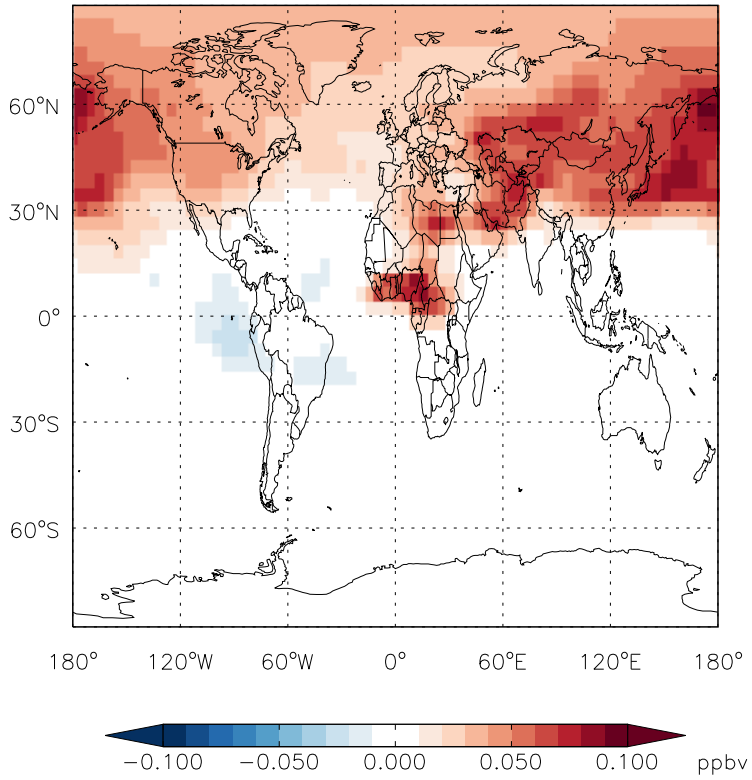
v11−01d−Run1 − v10−01−public−Run0

H2O2 − Diff @ Surface for Apr



v11−01d−Run1 − v10−01−public−Run0

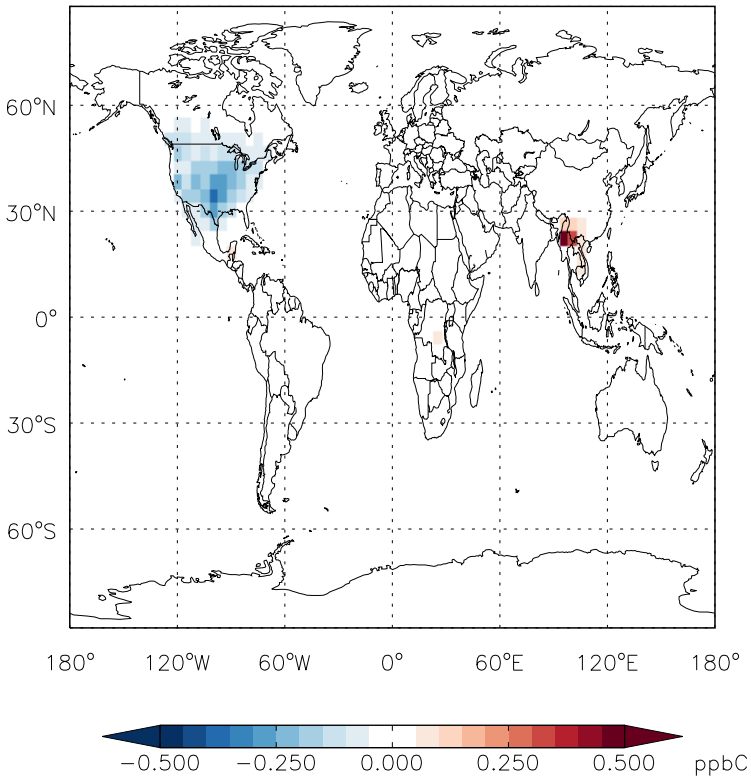
H2O2− Diff @ 500 hPa for Apr



GEOS-Chem Difference Maps at surface and 500 hPa

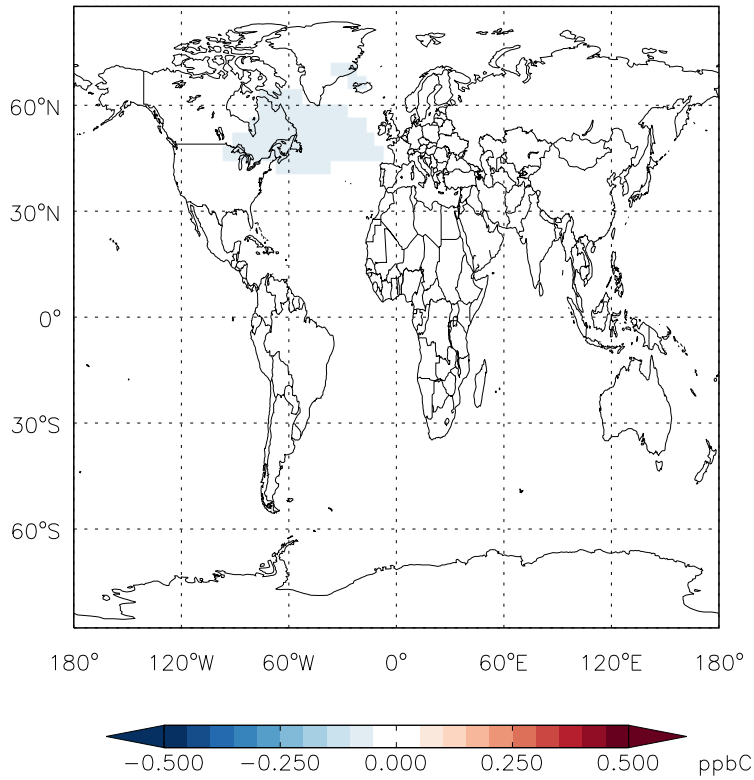
v11-01d-Run1 - v11-01b-Run0

ACET - Diff @ Surface for Apr



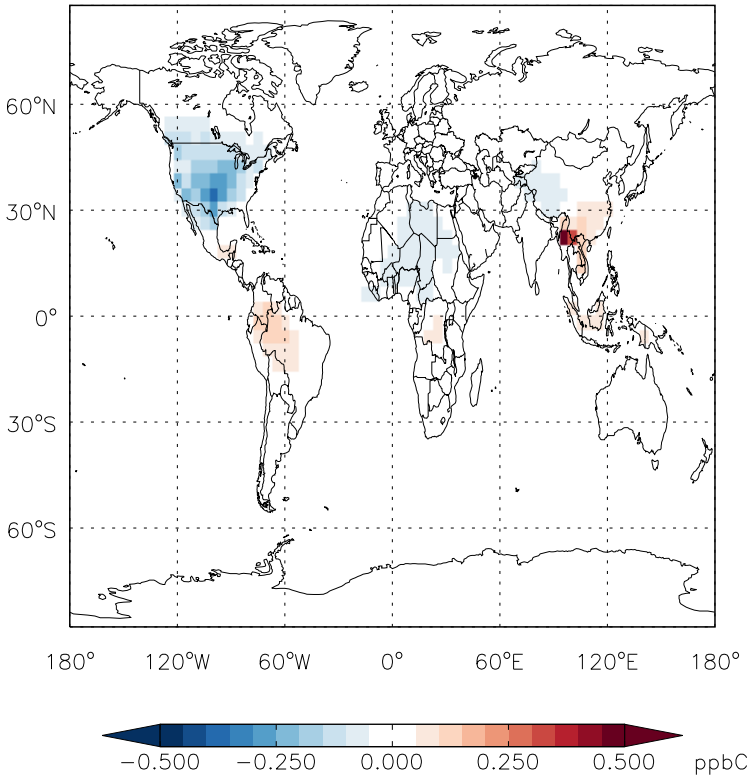
v11-01d-Run1 - v11-01b-Run0

ACET- Diff @ 500 hPa for Apr



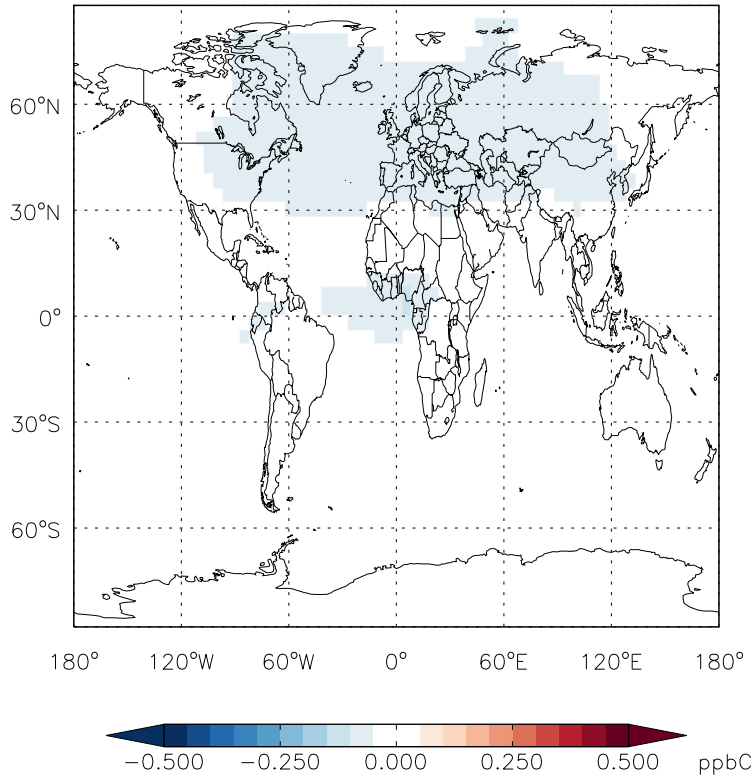
v11-01d-Run1 - v10-01-public-Run0

ACET - Diff @ Surface for Apr



v11-01d-Run1 - v10-01-public-Run0

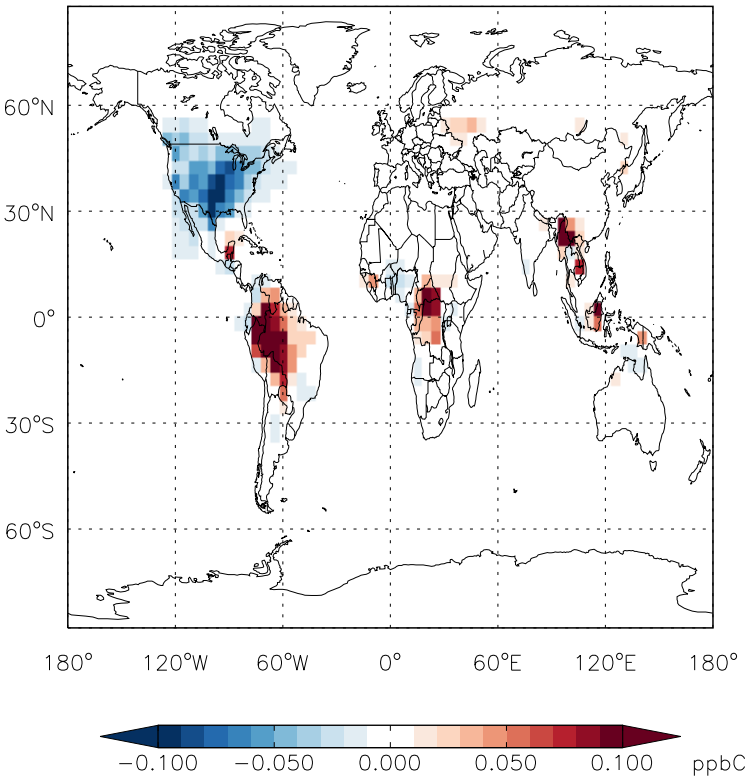
ACET- Diff @ 500 hPa for Apr



GEOS−Chem Difference Maps at surface and 500 hPa

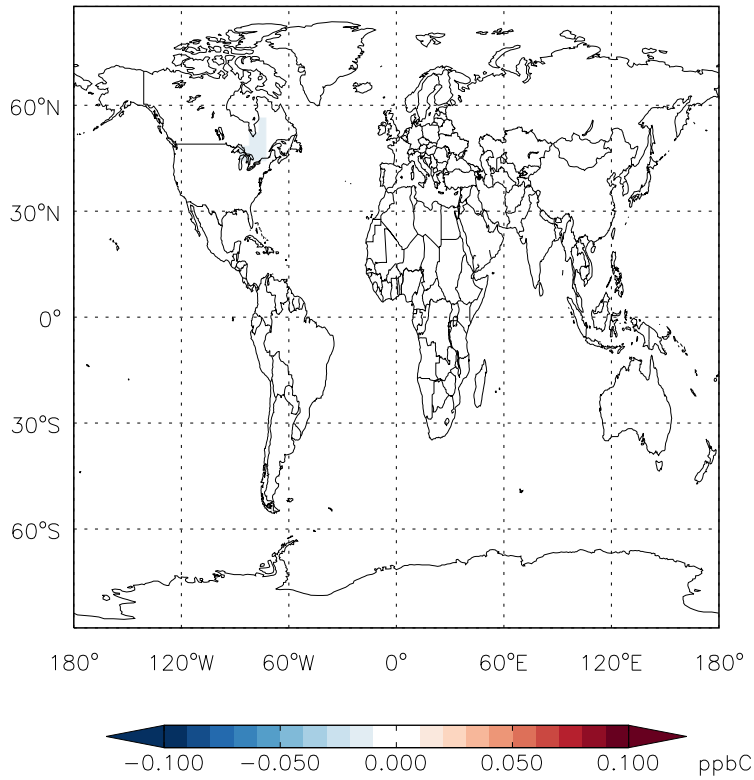
v11−01d−Run1 − v11−01b−Run0

MEK − Diff @ Surface for Apr



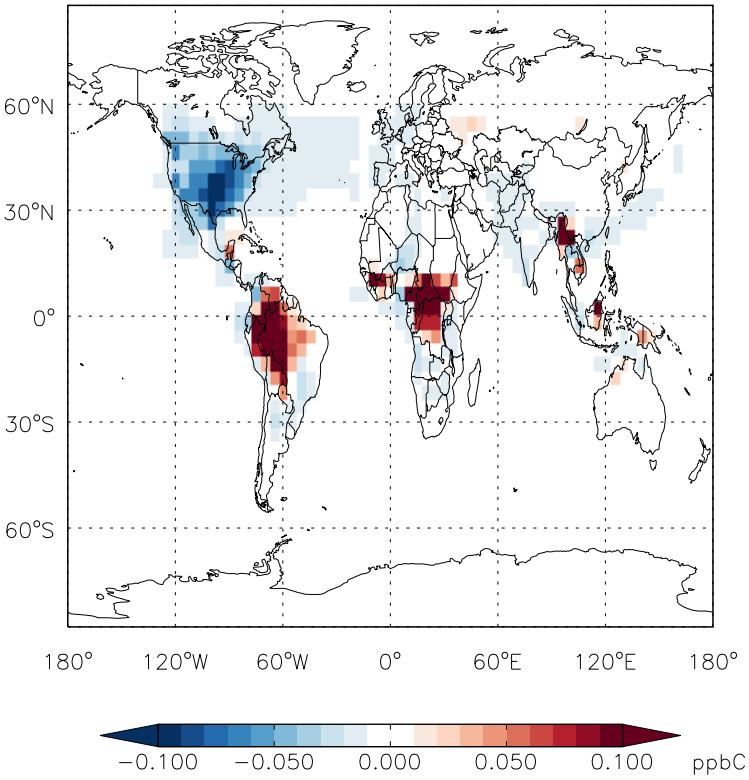
v11−01d−Run1 − v11−01b−Run0

MEK− Diff @ 500 hPa for Apr



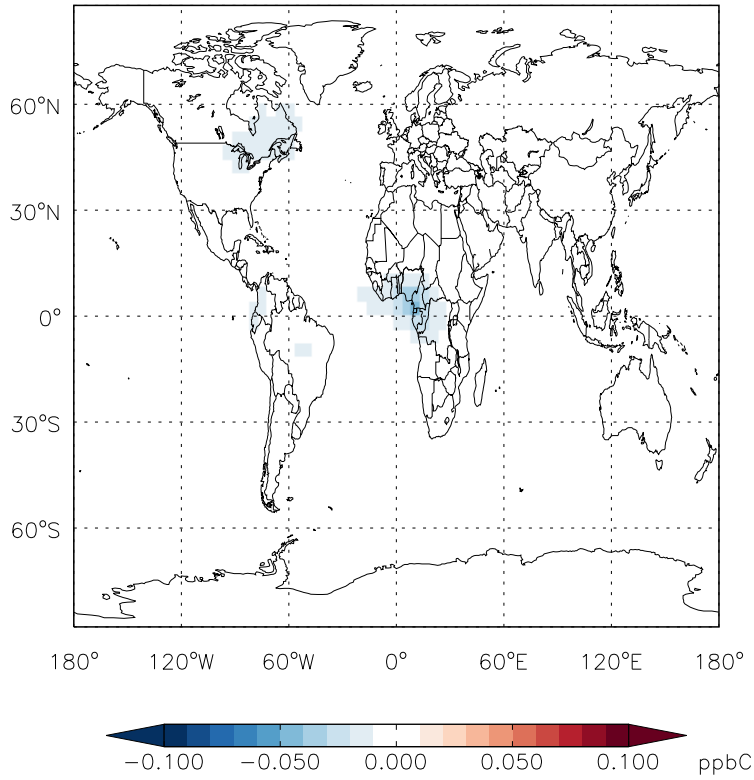
v11−01d−Run1 − v10−01−public−Run0

MEK − Diff @ Surface for Apr



v11−01d−Run1 − v10−01−public−Run0

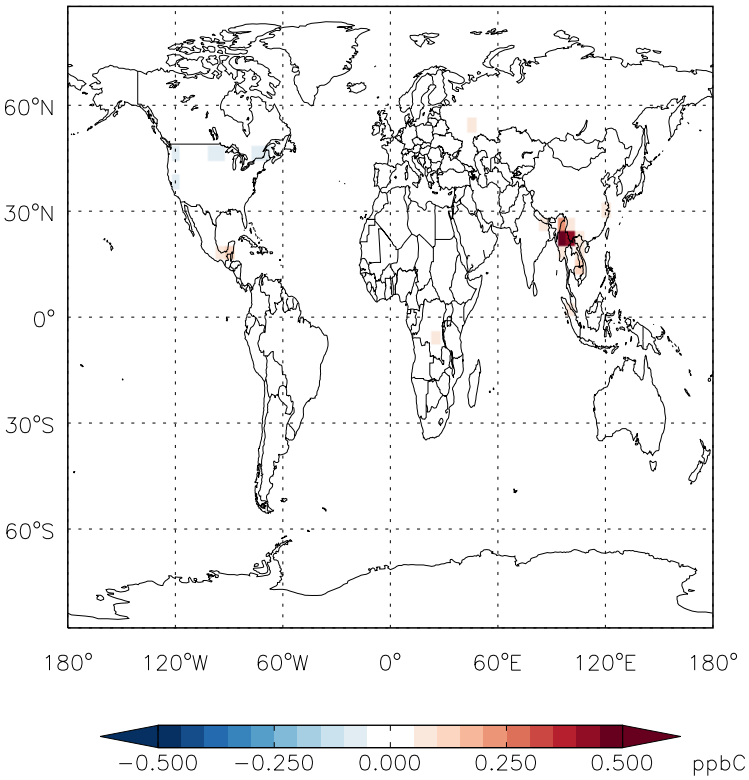
MEK− Diff @ 500 hPa for Apr



GEOS−Chem Difference Maps at surface and 500 hPa

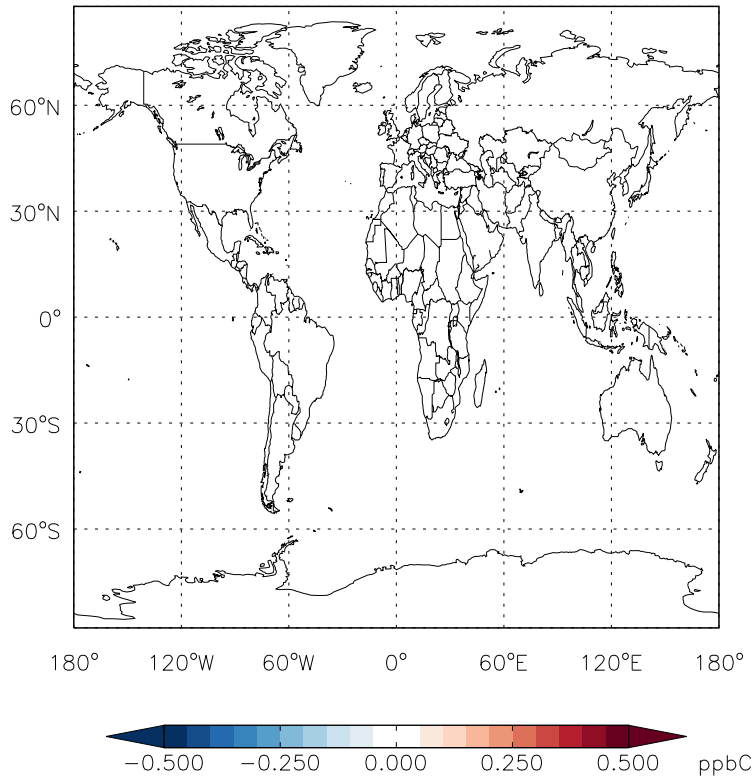
v11−01d−Run1 − v11−01b−Run0

ALD2 − Diff @ Surface for Apr



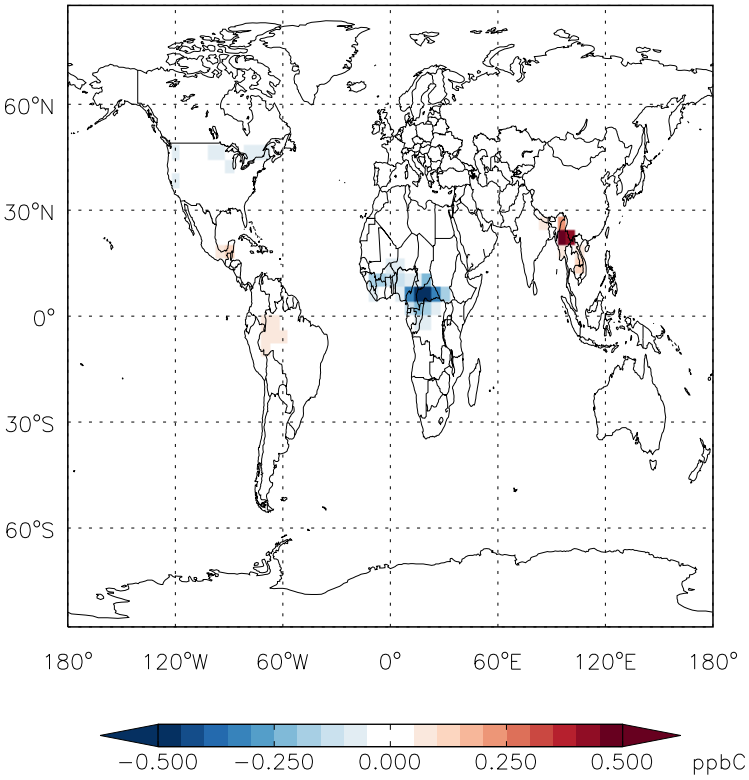
v11−01d−Run1 − v11−01b−Run0

ALD2− Diff @ 500 hPa for Apr



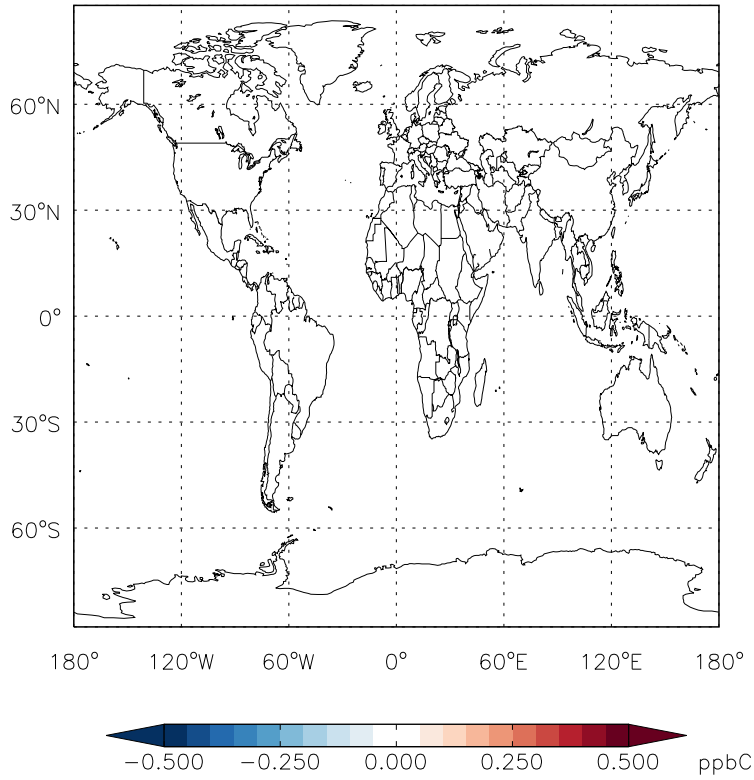
v11−01d−Run1 − v10−01−public−Run0

ALD2 − Diff @ Surface for Apr



v11−01d−Run1 − v10−01−public−Run0

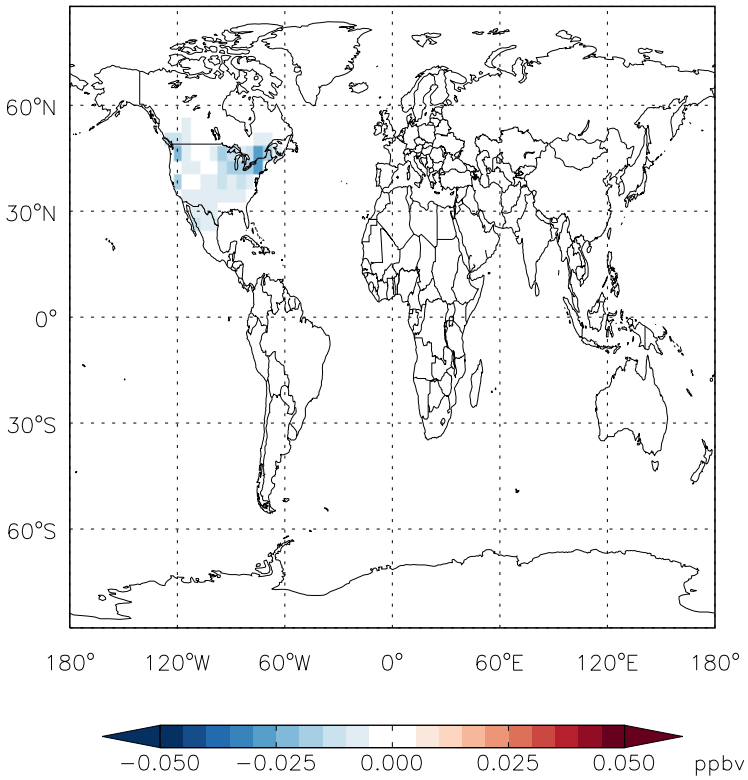
ALD2− Diff @ 500 hPa for Apr



GEOS−Chem Difference Maps at surface and 500 hPa

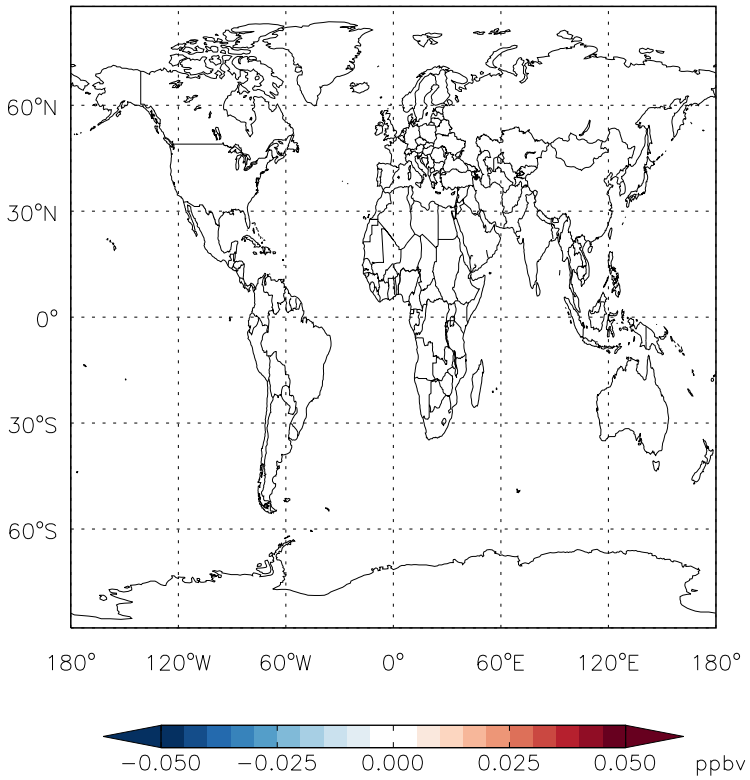
v11−01d−Run1 − v11−01b−Run0

RCHO − Diff @ Surface for Apr



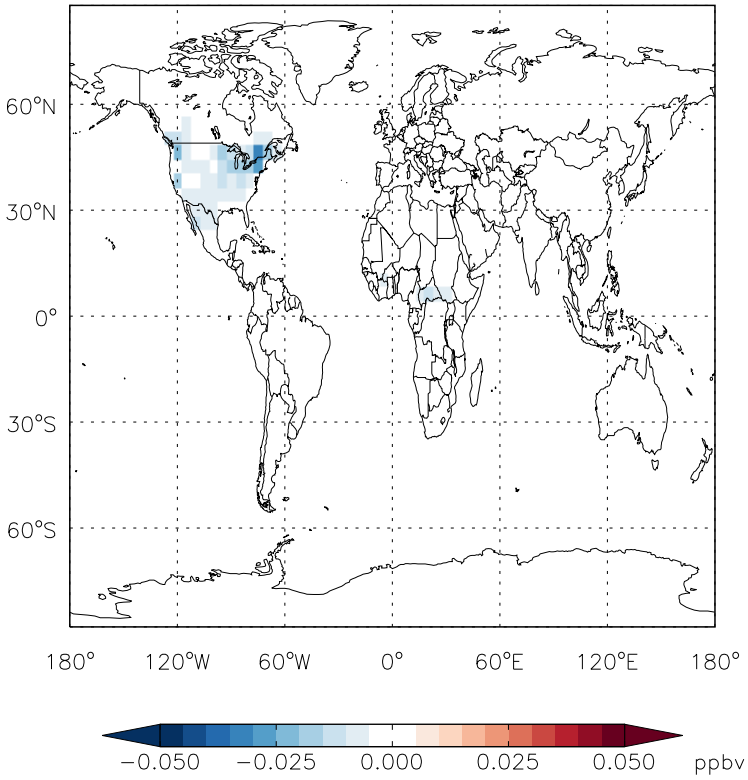
v11−01d−Run1 − v11−01b−Run0

RCHO− Diff @ 500 hPa for Apr



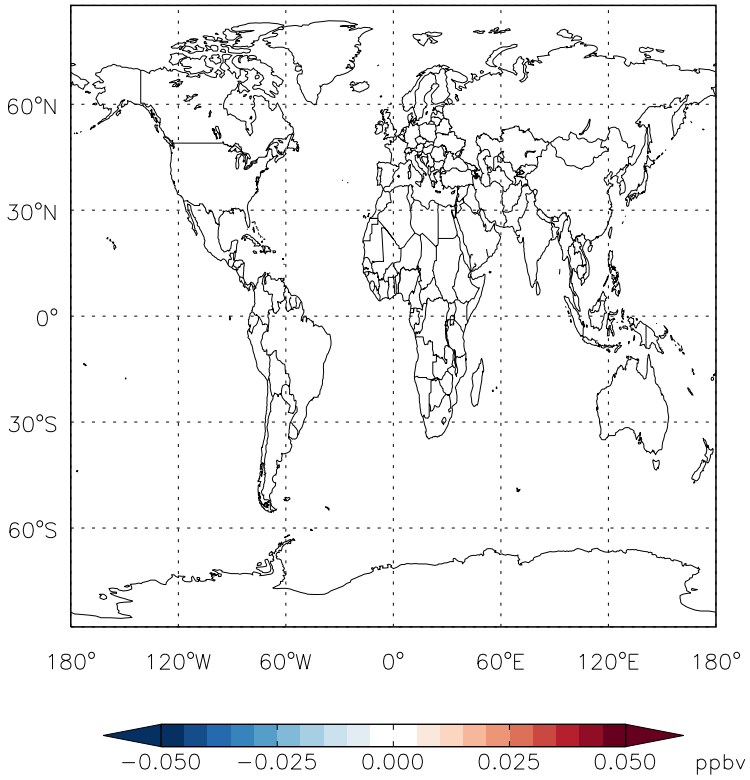
v11−01d−Run1 − v10−01−public−Run0

RCHO − Diff @ Surface for Apr



v11−01d−Run1 − v10−01−public−Run0

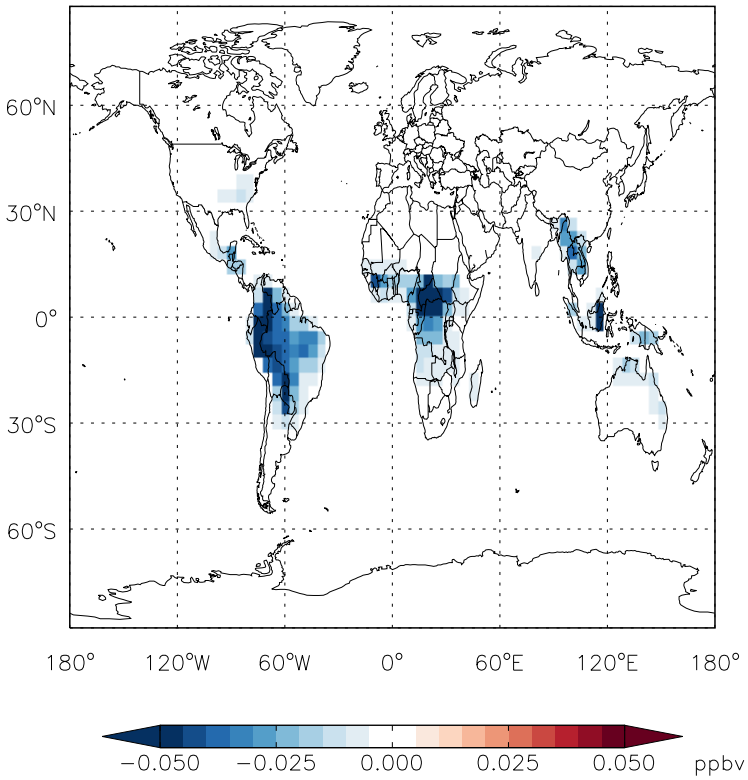
RCHO− Diff @ 500 hPa for Apr



GEOS−Chem Difference Maps at surface and 500 hPa

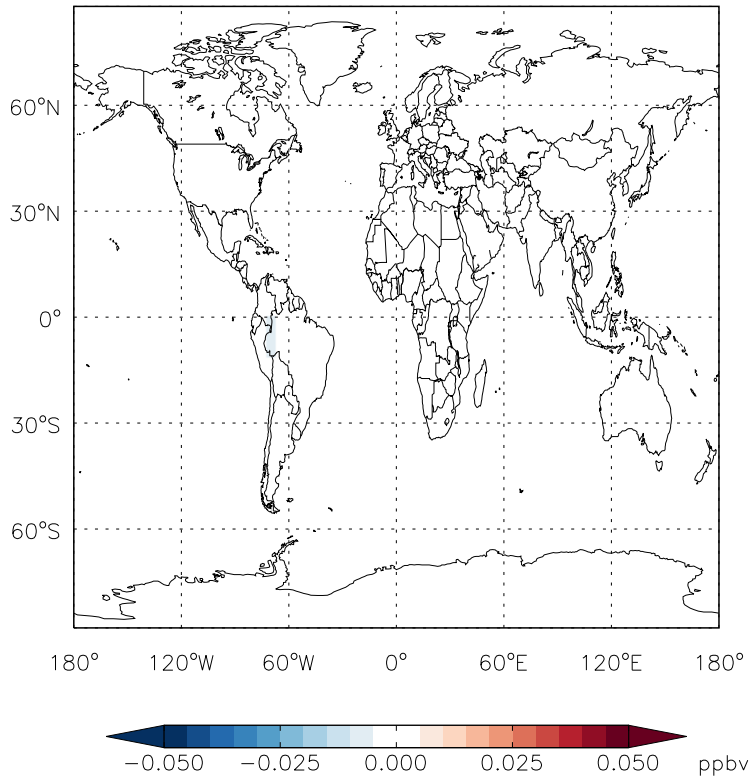
v11−01d−Run1 − v11−01b−Run0

MVK − Diff @ Surface for Apr



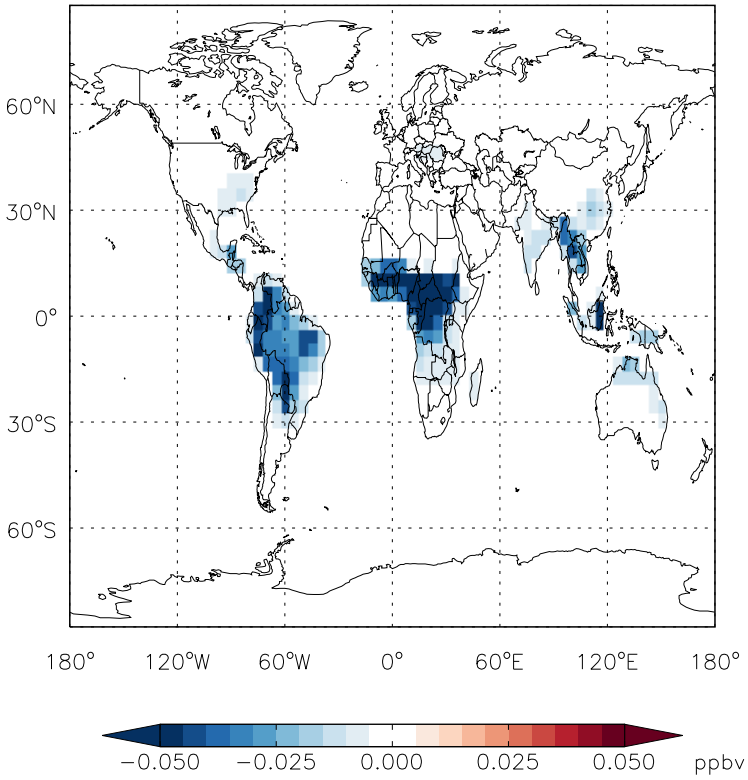
v11−01d−Run1 − v11−01b−Run0

MVK− Diff @ 500 hPa for Apr



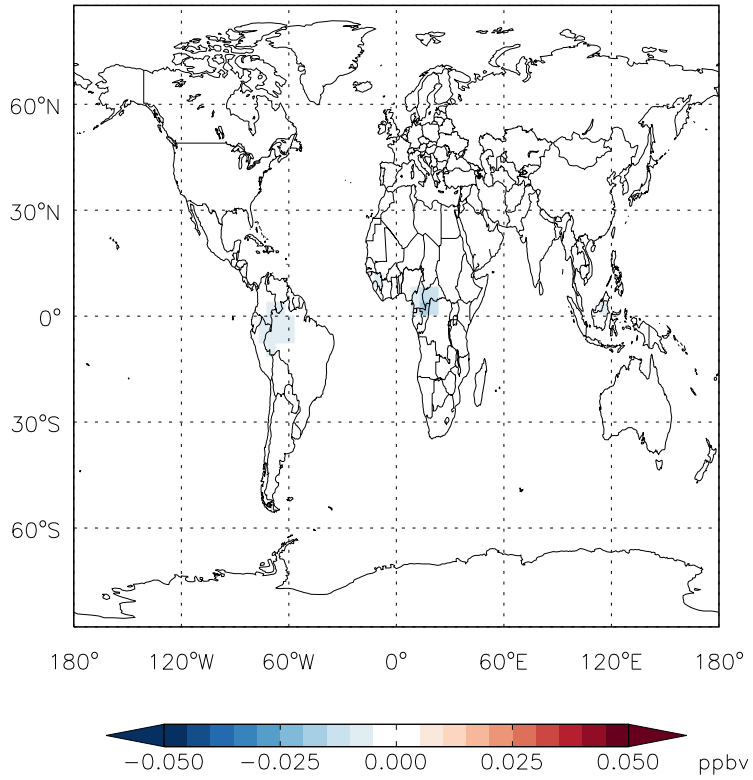
v11−01d−Run1 − v10−01−public−Run0

MVK − Diff @ Surface for Apr



v11−01d−Run1 − v10−01−public−Run0

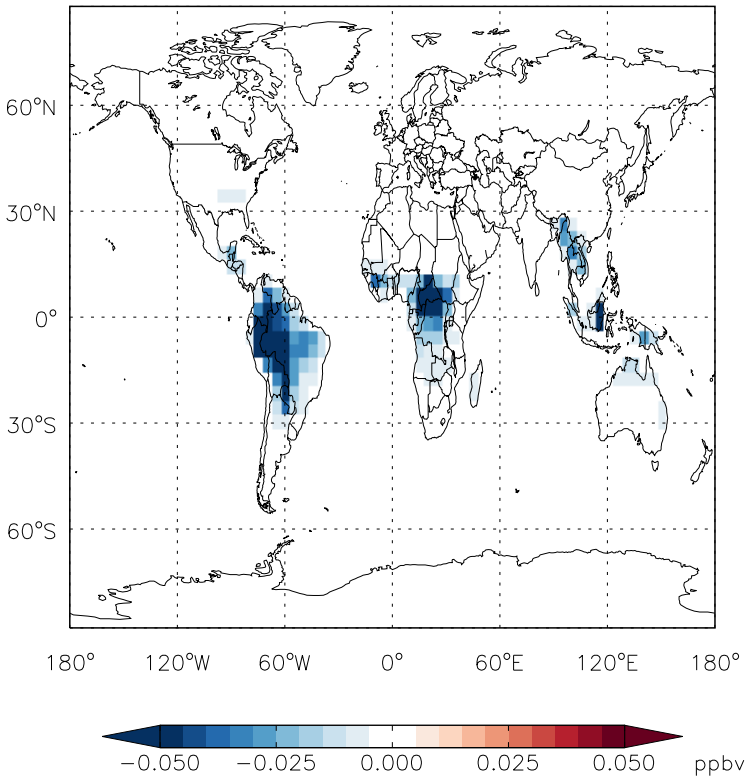
MVK− Diff @ 500 hPa for Apr



GEOS−Chem Difference Maps at surface and 500 hPa

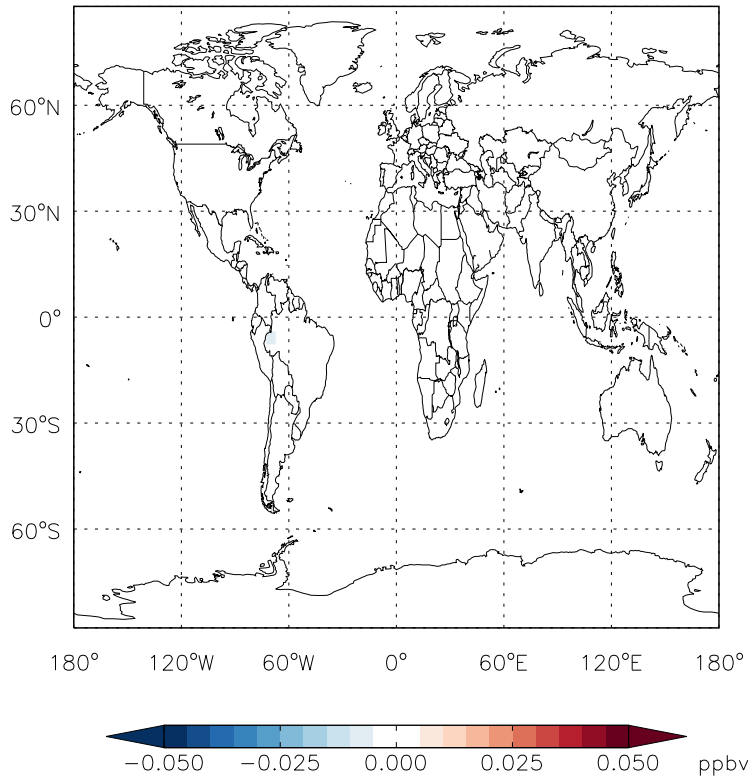
v11−01d−Run1 − v11−01b−Run0

MACR − Diff @ Surface for Apr



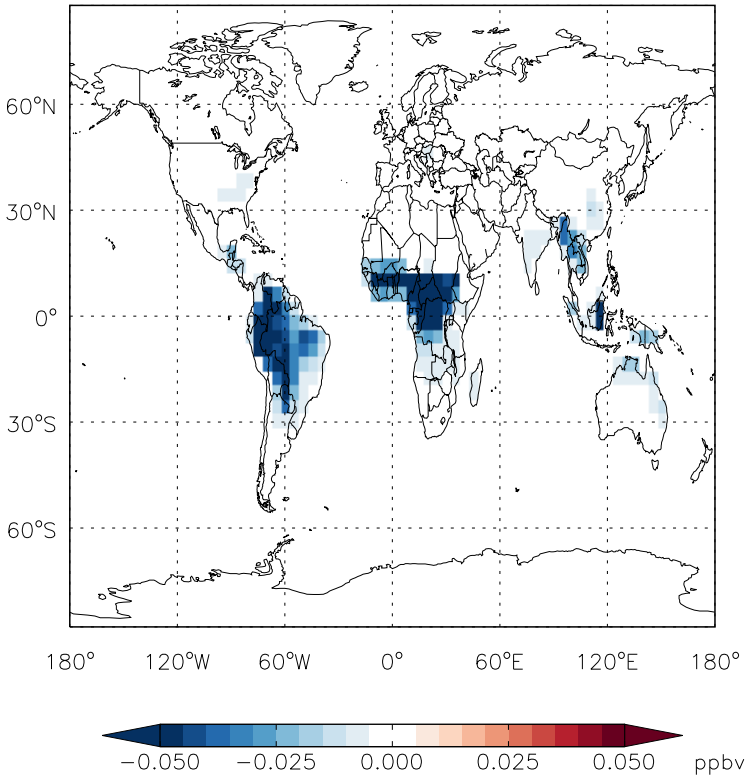
v11−01d−Run1 − v11−01b−Run0

MACR− Diff @ 500 hPa for Apr



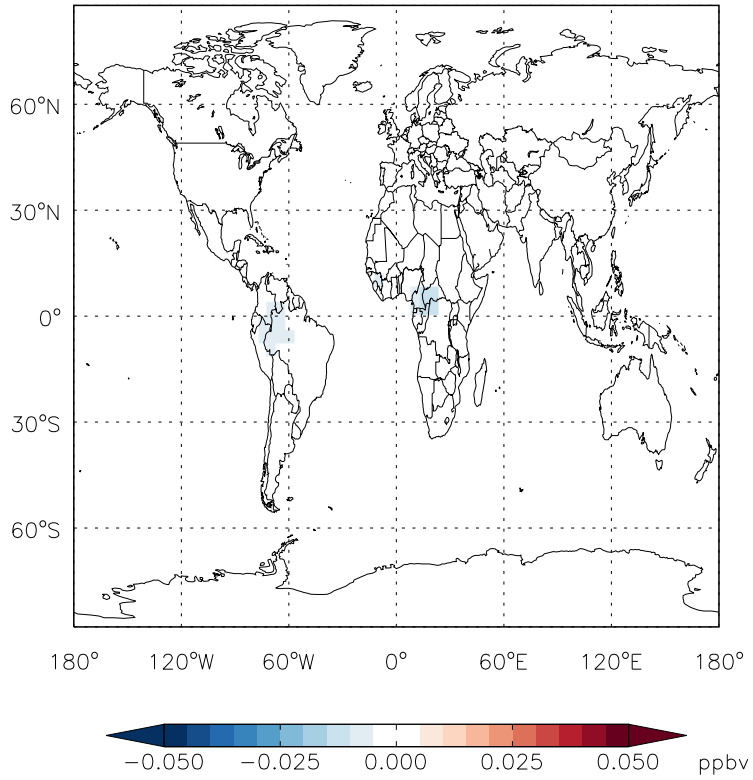
v11−01d−Run1 − v10−01−public−Run0

MACR − Diff @ Surface for Apr



v11−01d−Run1 − v10−01−public−Run0

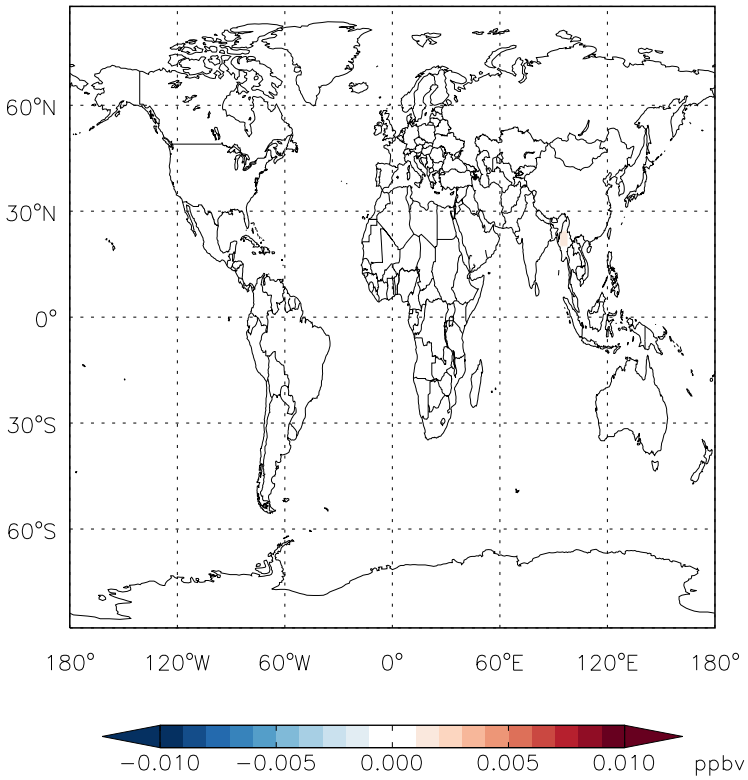
MACR− Diff @ 500 hPa for Apr



GEOS−Chem Difference Maps at surface and 500 hPa

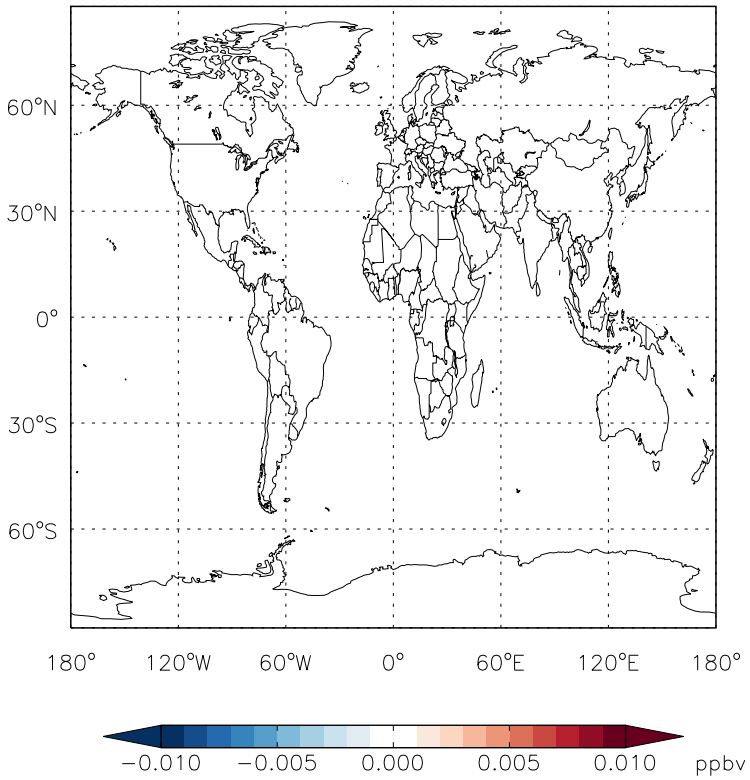
v11−01d−Run1 − v11−01b−Run0

PMN − Diff @ Surface for Apr



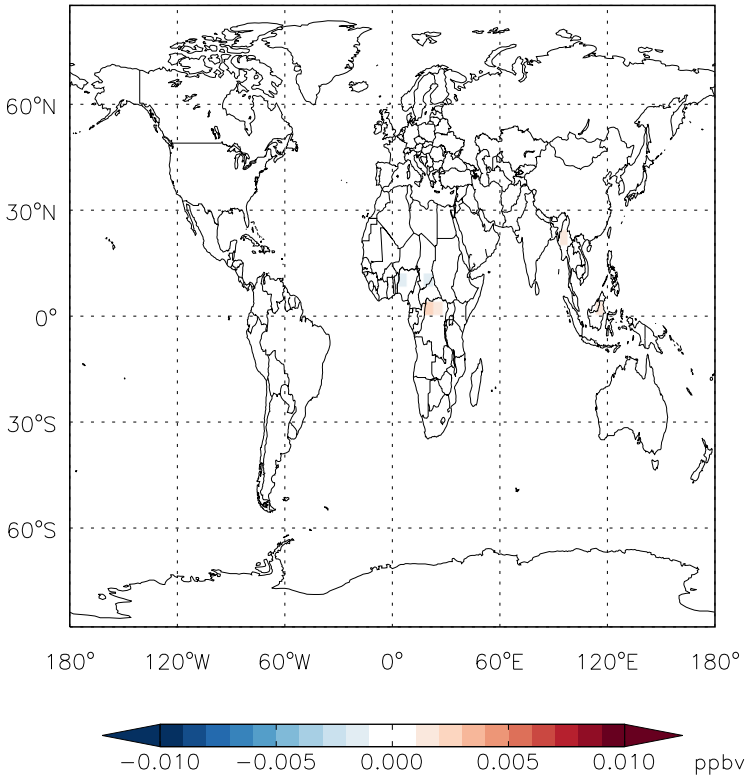
v11−01d−Run1 − v11−01b−Run0

PMN− Diff @ 500 hPa for Apr



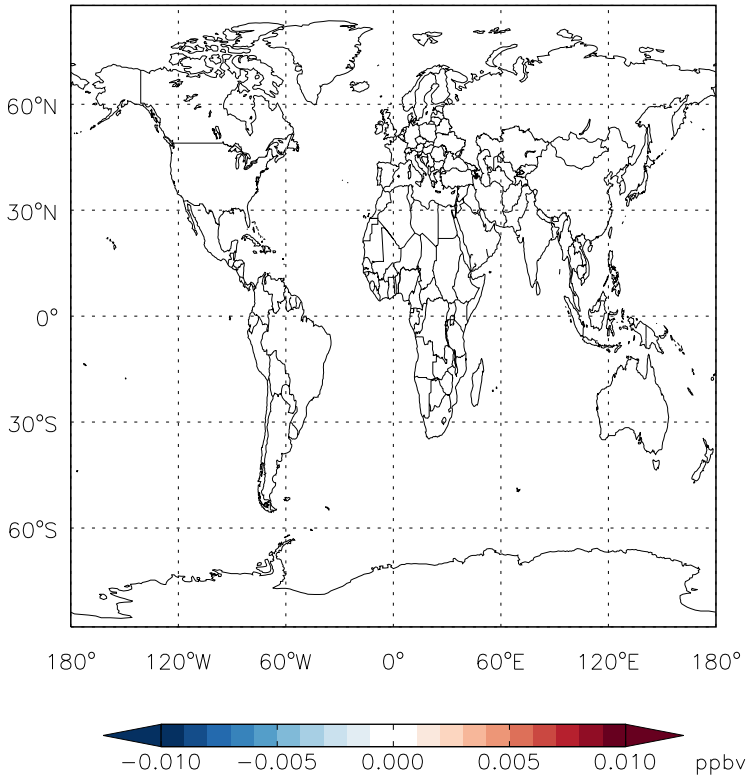
v11−01d−Run1 − v10−01−public−Run0

PMN − Diff @ Surface for Apr



v11−01d−Run1 − v10−01−public−Run0

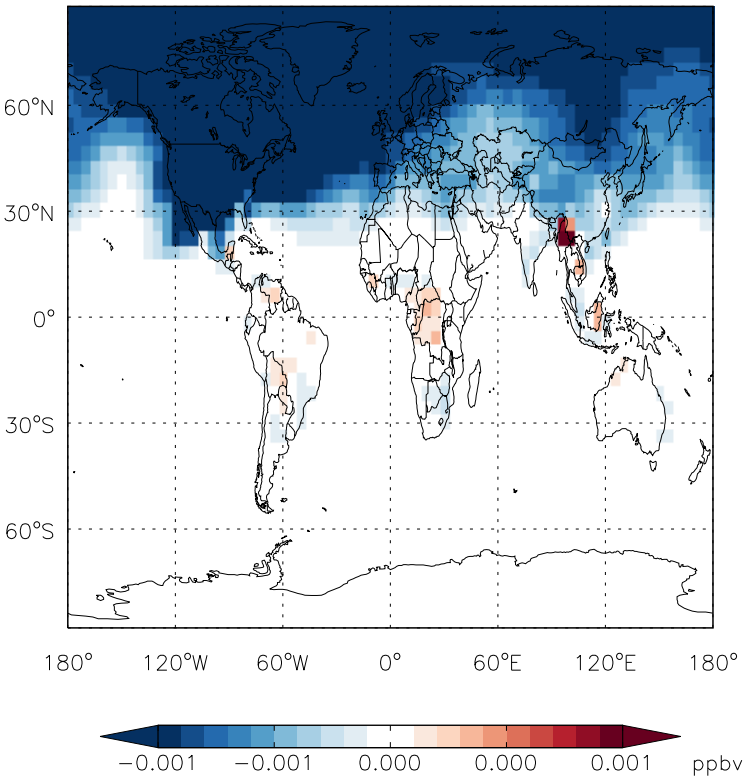
PMN− Diff @ 500 hPa for Apr



GEOS−Chem Difference Maps at surface and 500 hPa

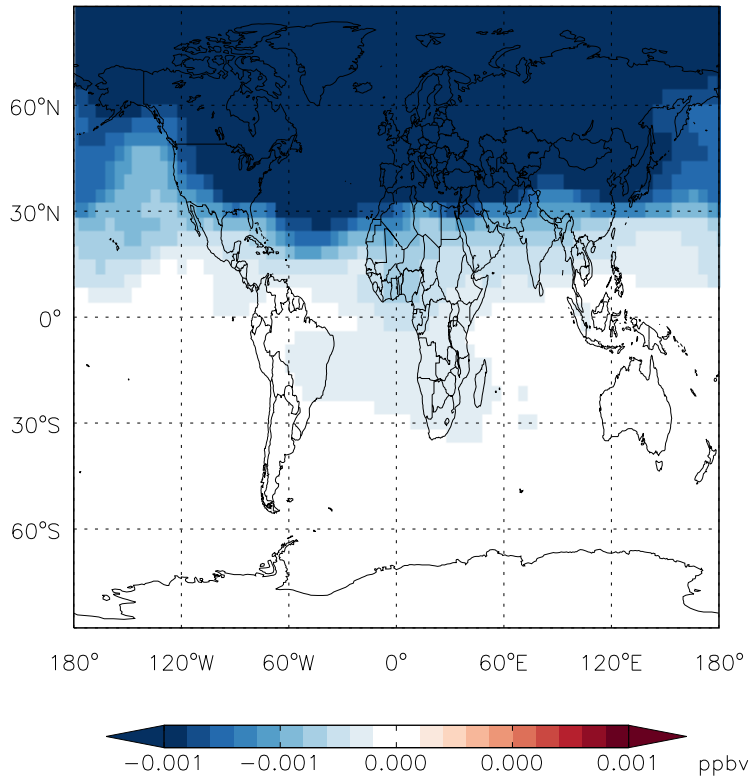
v11−01d−Run1 − v11−01b−Run0

PPN − Diff @ Surface for Apr



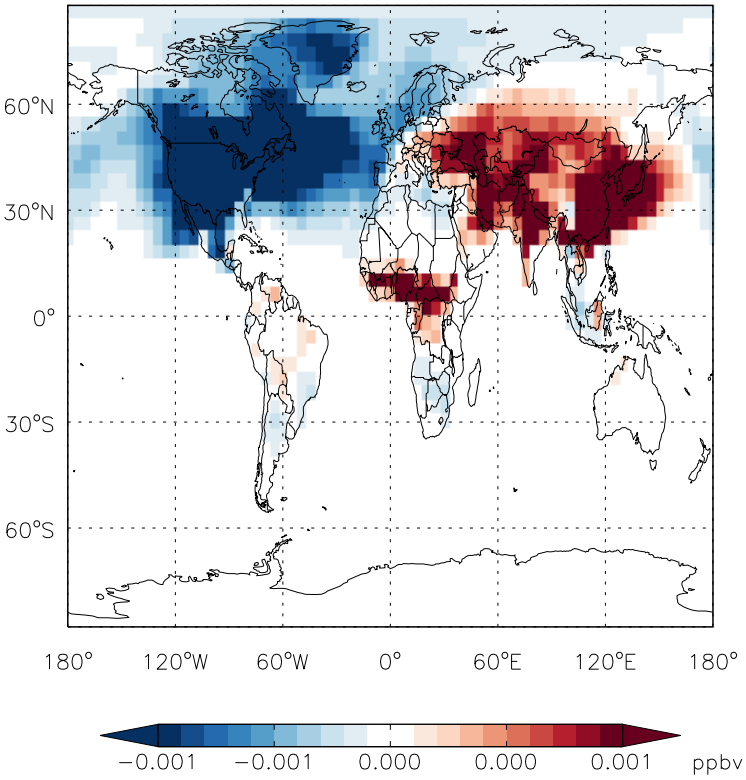
v11−01d−Run1 − v11−01b−Run0

PPN− Diff @ 500 hPa for Apr



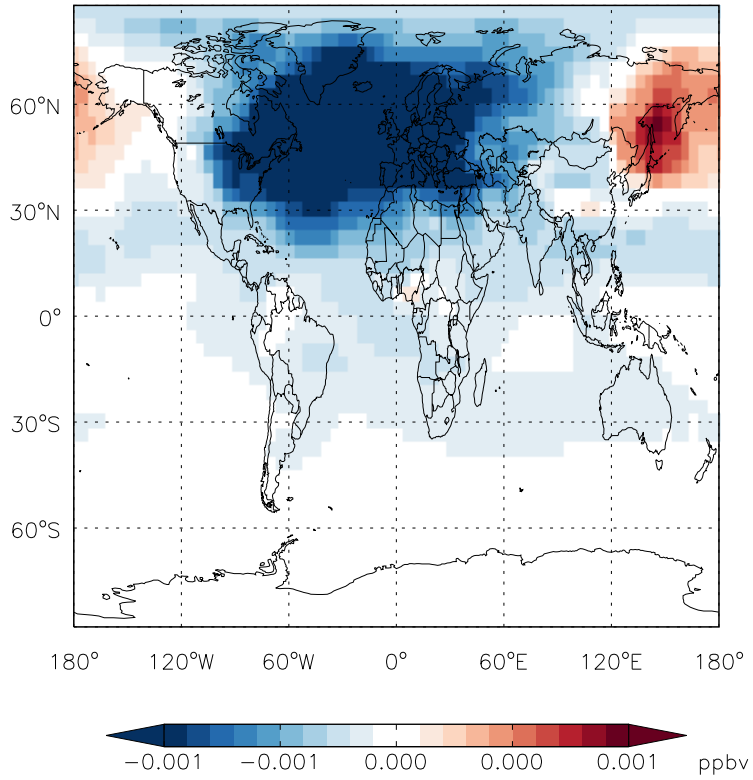
v11−01d−Run1 − v10−01−public−Run0

PPN − Diff @ Surface for Apr



v11−01d−Run1 − v10−01−public−Run0

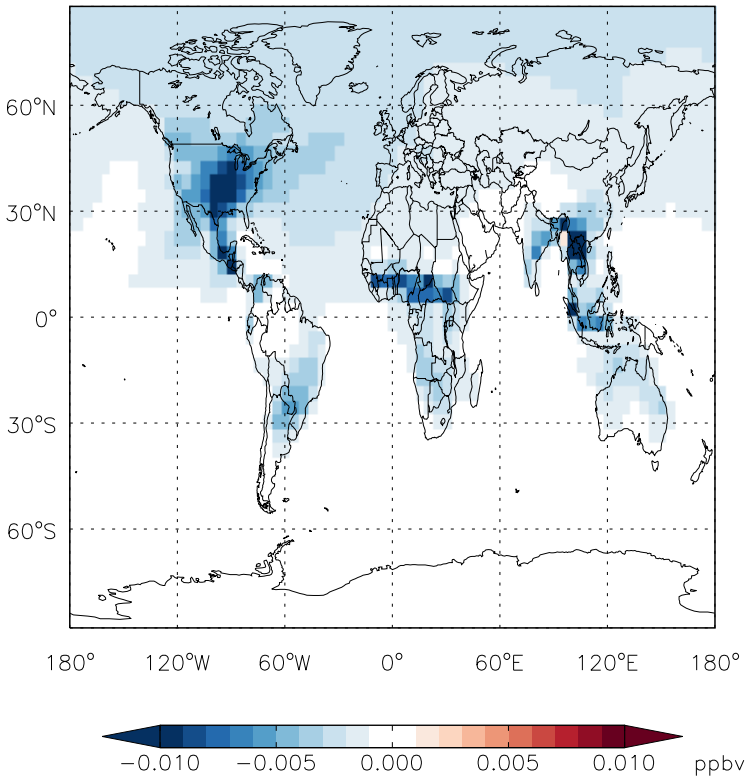
PPN− Diff @ 500 hPa for Apr



GEOS−Chem Difference Maps at surface and 500 hPa

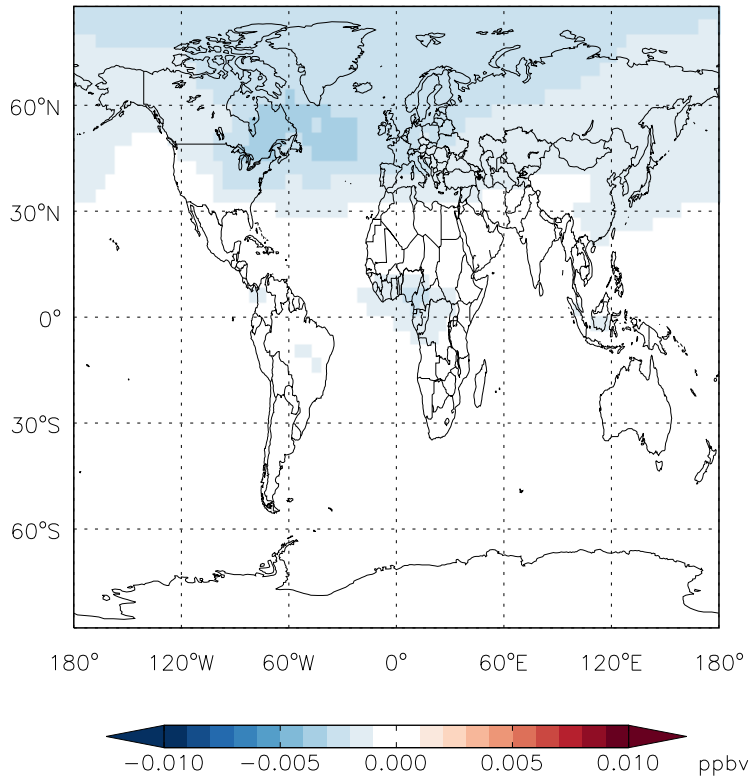
v11−01d−Run1 − v11−01b−Run0

R4N2 − Diff @ Surface for Apr



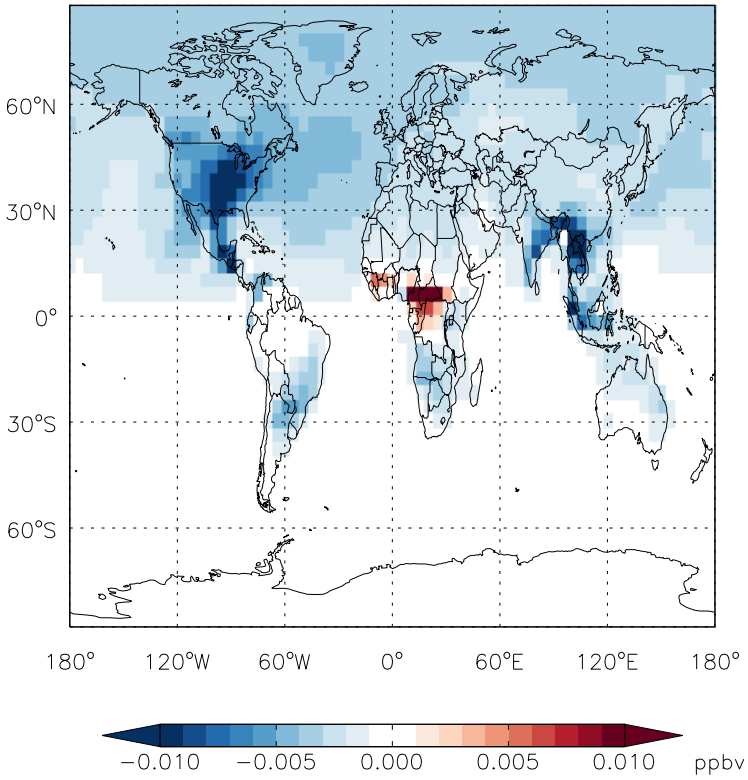
v11−01d−Run1 − v11−01b−Run0

R4N2− Diff @ 500 hPa for Apr



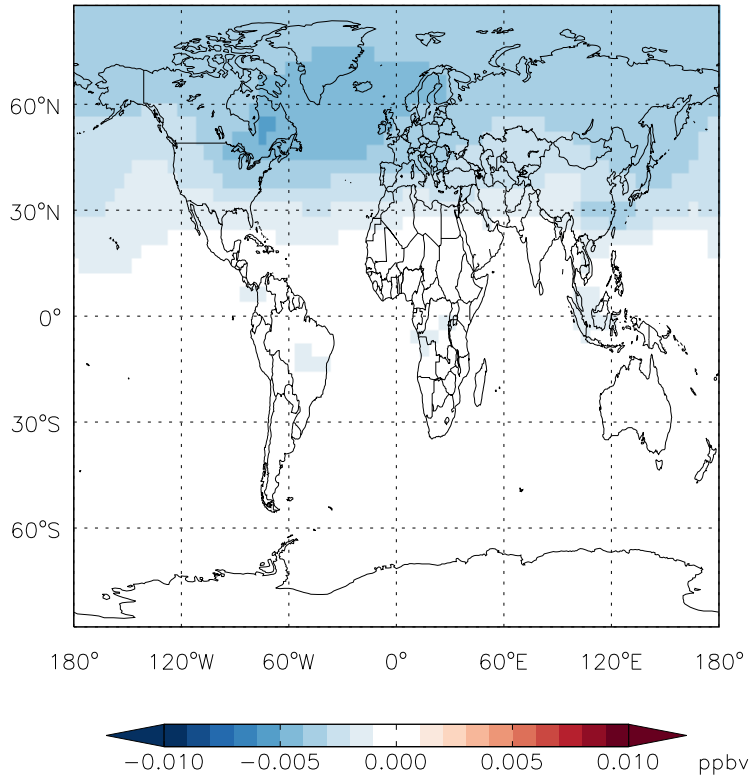
v11−01d−Run1 − v10−01−public−Run0

R4N2 − Diff @ Surface for Apr



v11−01d−Run1 − v10−01−public−Run0

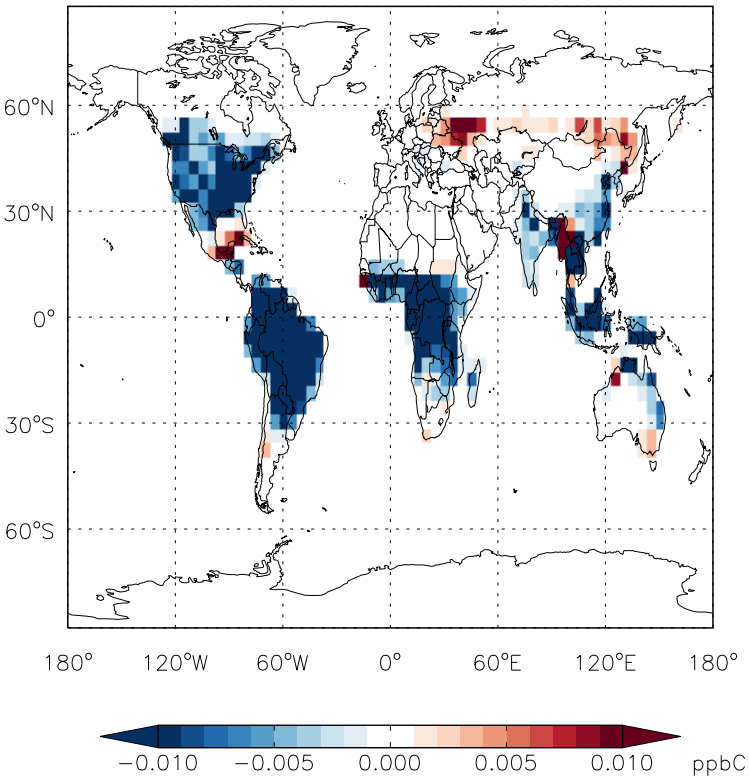
R4N2− Diff @ 500 hPa for Apr



GEOS−Chem Difference Maps at surface and 500 hPa

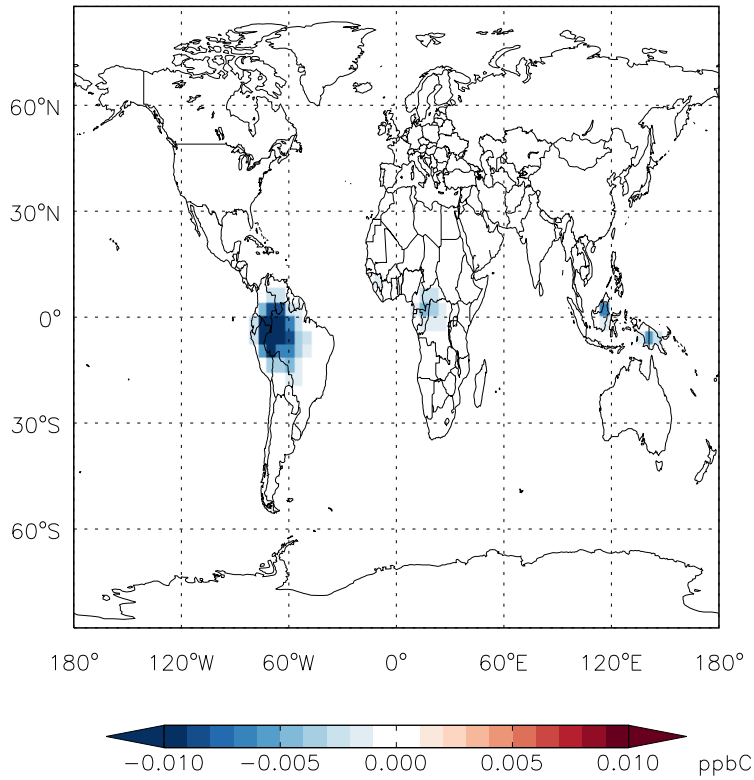
v11−01d−Run1 − v11−01b−Run0

PRPE − Diff @ Surface for Apr



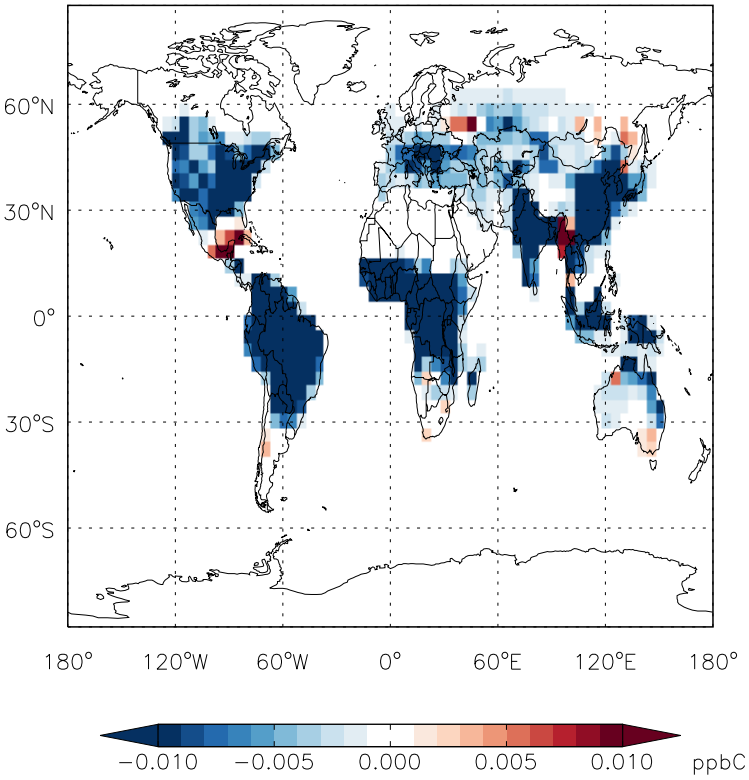
v11−01d−Run1 − v11−01b−Run0

PRPE− Diff @ 500 hPa for Apr



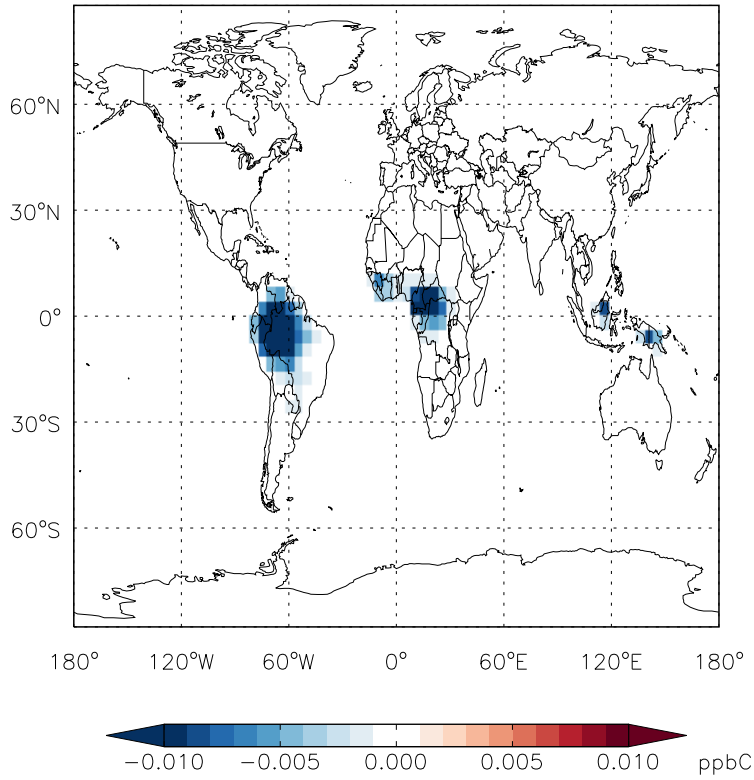
v11−01d−Run1 − v10−01−public−Run0

PRPE − Diff @ Surface for Apr



v11−01d−Run1 − v10−01−public−Run0

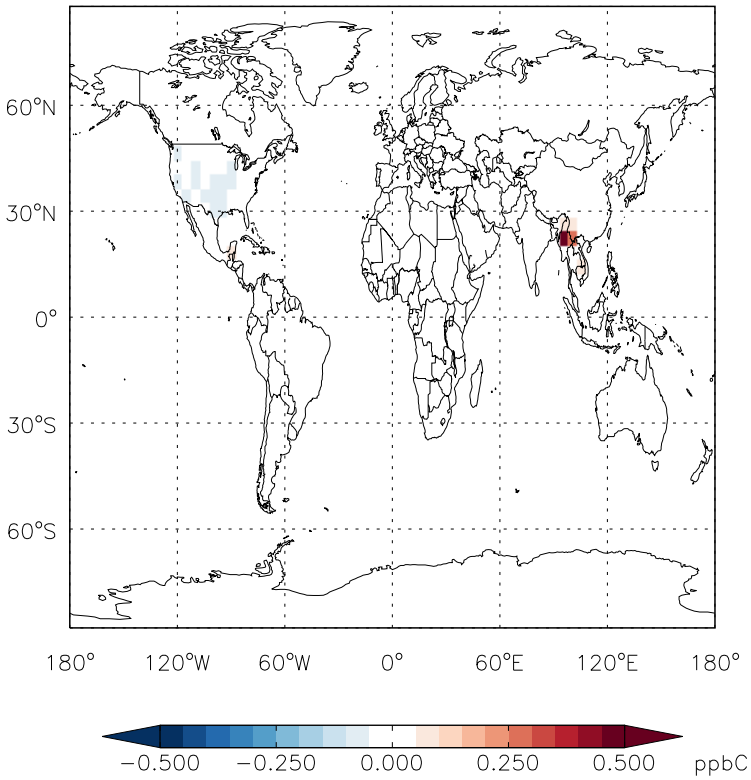
PRPE− Diff @ 500 hPa for Apr



GEOS-Chem Difference Maps at surface and 500 hPa

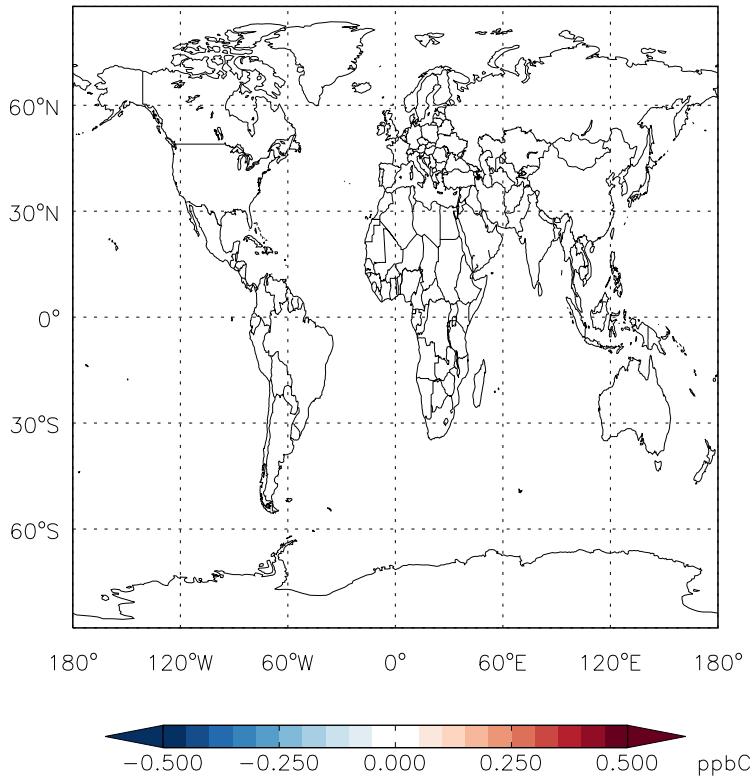
v11-01d-Run1 - v11-01b-Run0

C3H8 - Diff @ Surface for Apr



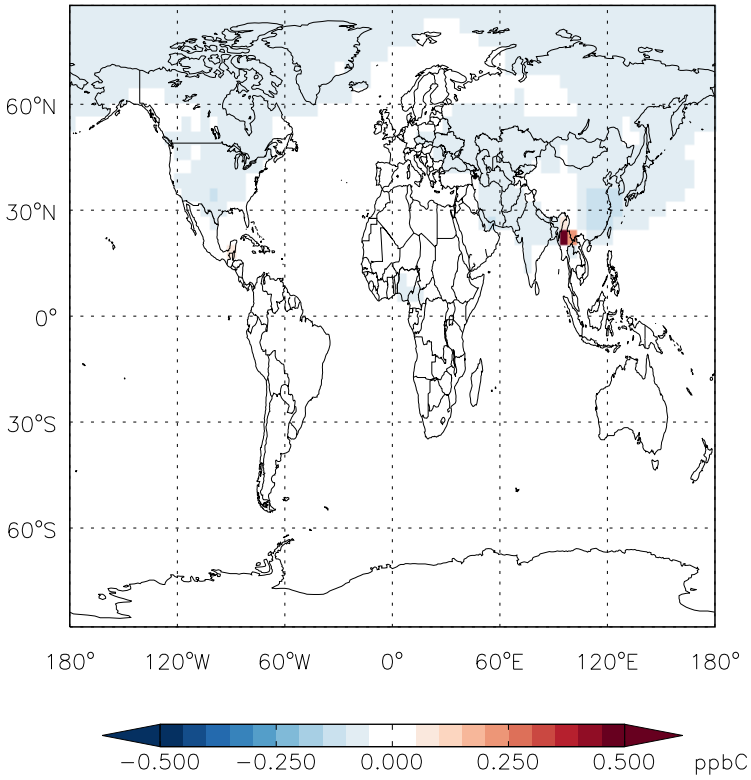
v11-01d-Run1 - v11-01b-Run0

C3H8- Diff @ 500 hPa for Apr



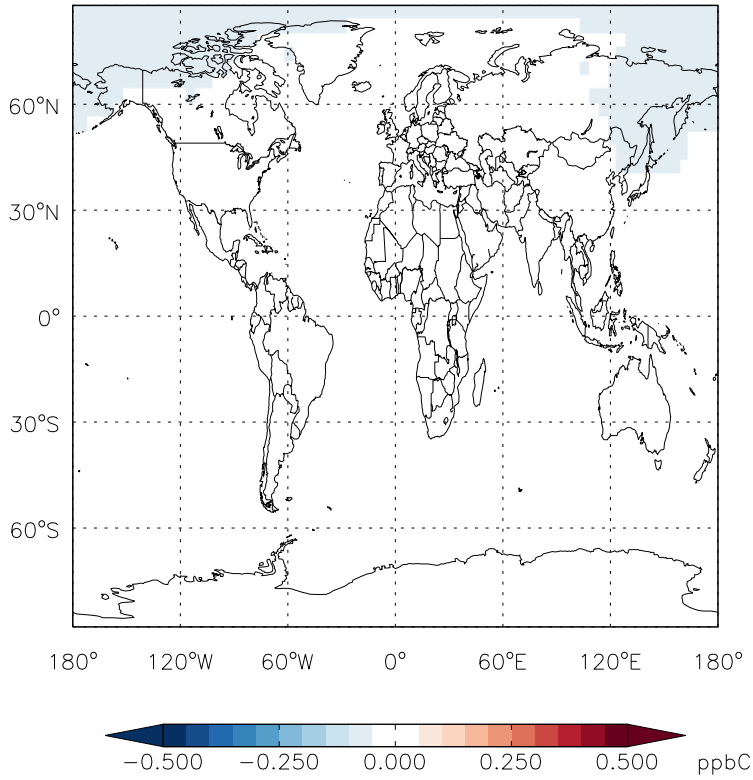
v11-01d-Run1 - v10-01-public-Run0

C3H8 - Diff @ Surface for Apr



v11-01d-Run1 - v10-01-public-Run0

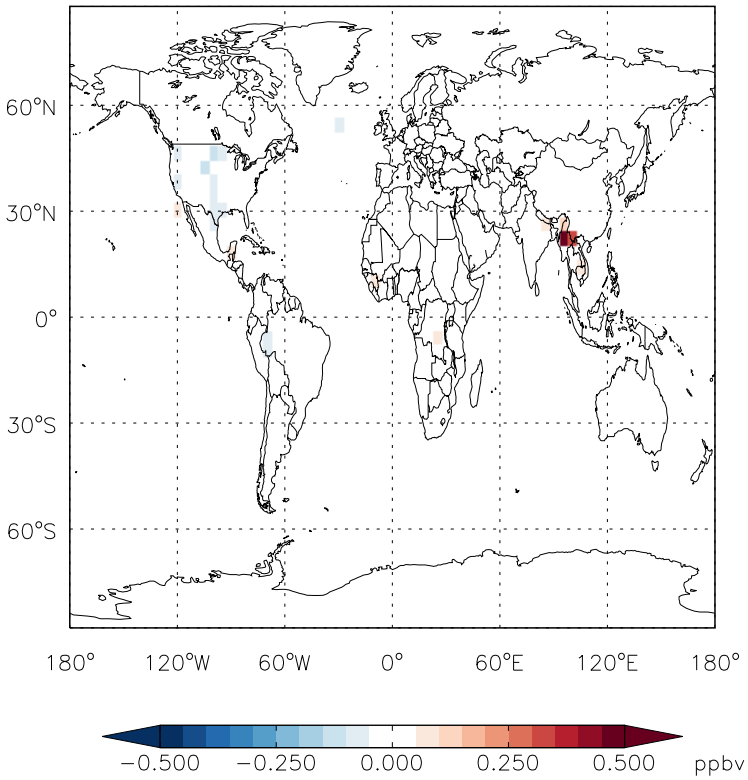
C3H8- Diff @ 500 hPa for Apr



GEOS−Chem Difference Maps at surface and 500 hPa

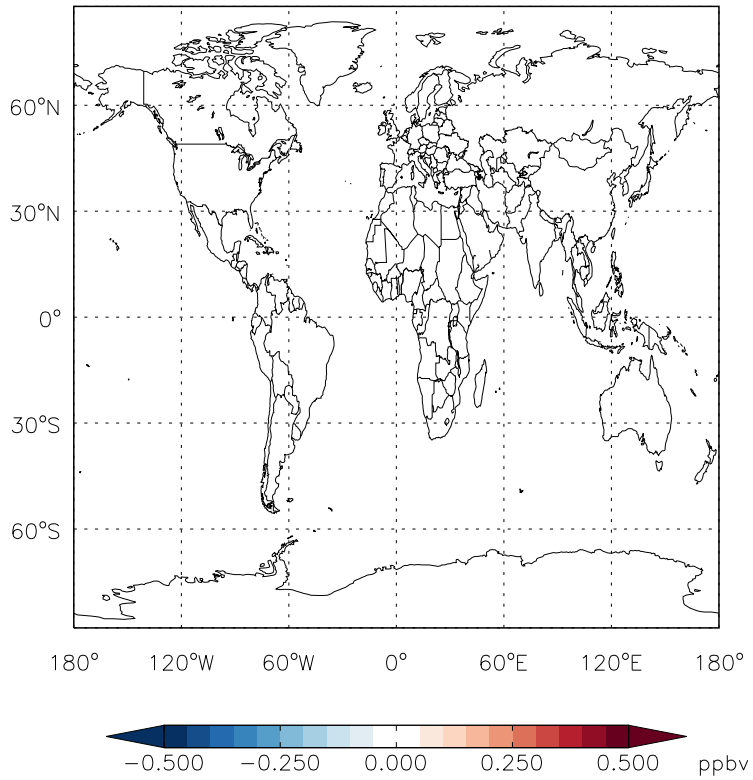
v11−01d−Run1 − v11−01b−Run0

CH2O − Diff @ Surface for Apr



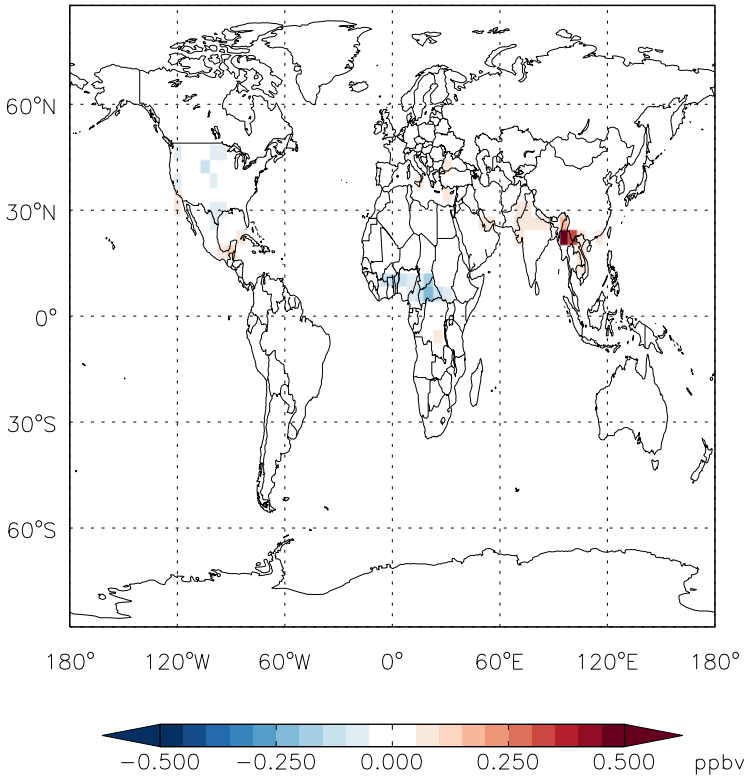
v11−01d−Run1 − v11−01b−Run0

CH2O− Diff @ 500 hPa for Apr



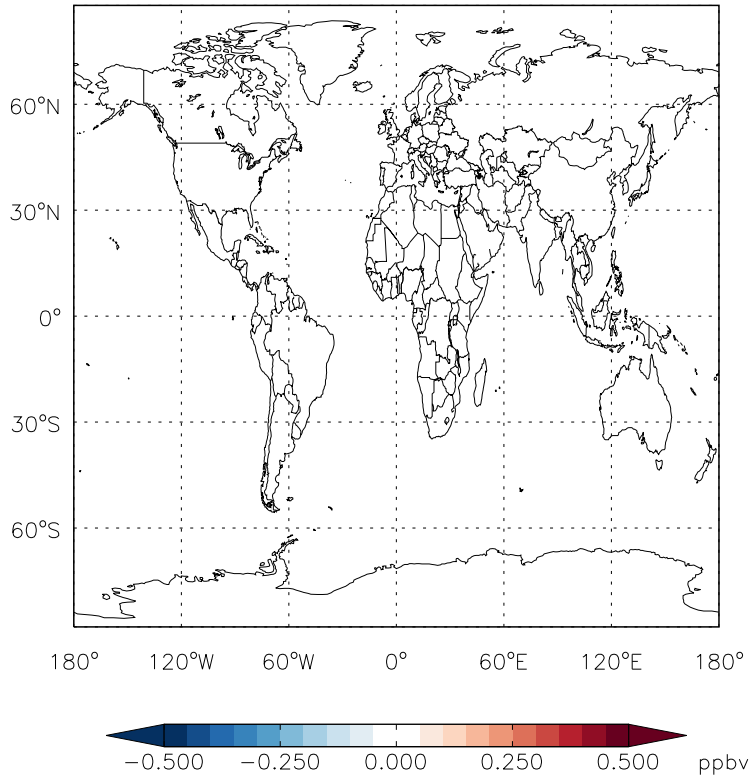
v11−01d−Run1 − v10−01−public−Run0

CH2O − Diff @ Surface for Apr



v11−01d−Run1 − v10−01−public−Run0

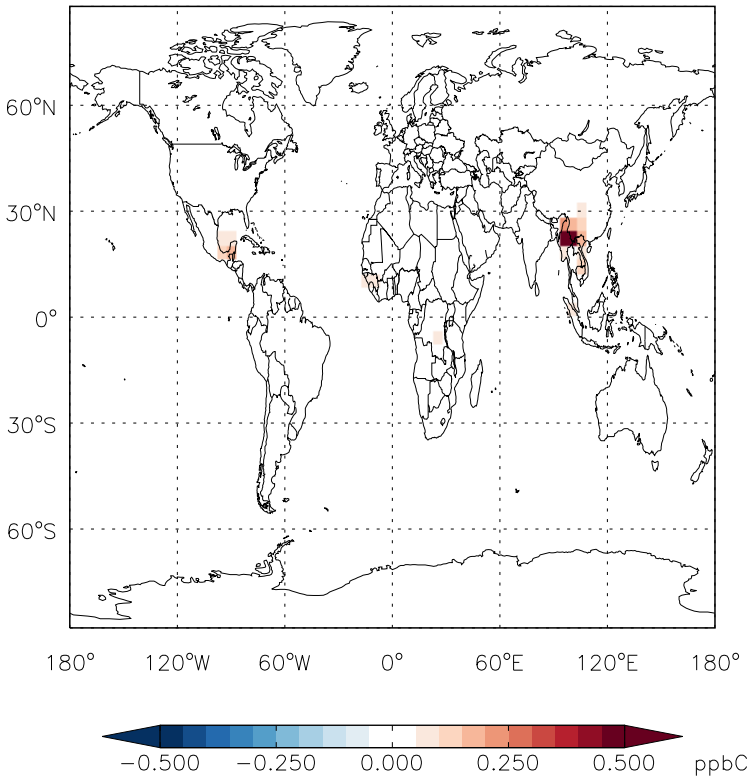
CH2O− Diff @ 500 hPa for Apr



GEOS−Chem Difference Maps at surface and 500 hPa

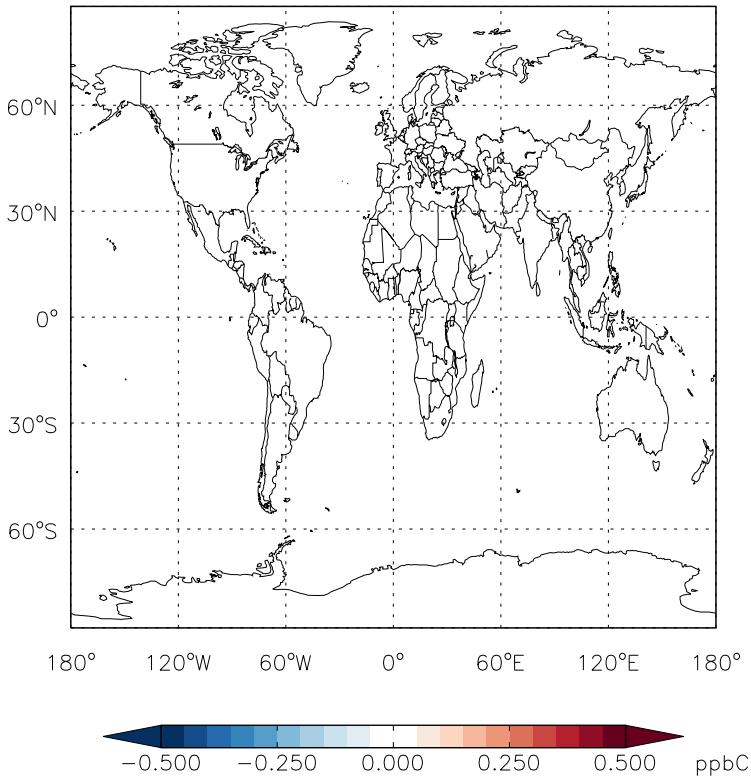
v11−01d−Run1 − v11−01b−Run0

C2H6 − Diff @ Surface for Apr



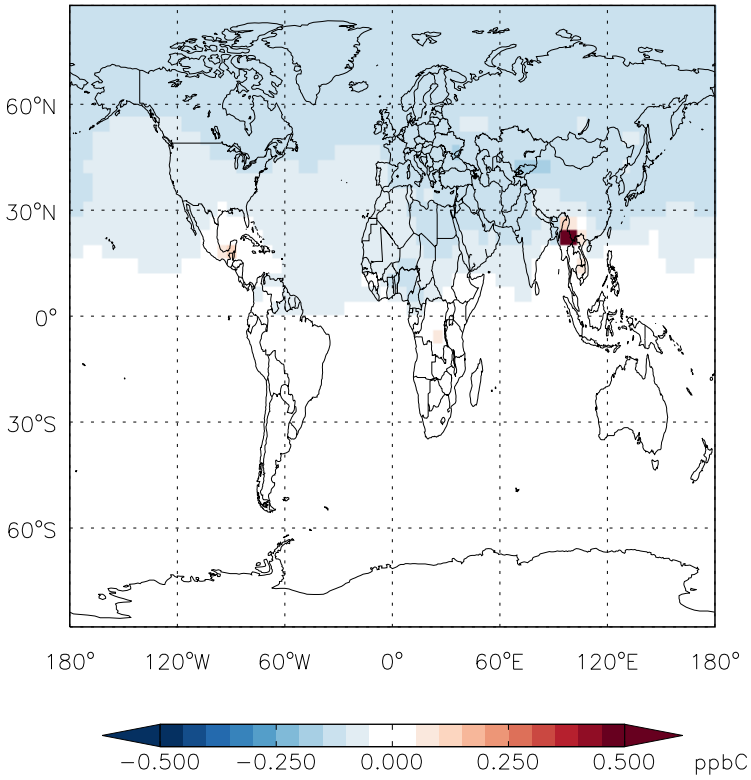
v11−01d−Run1 − v11−01b−Run0

C2H6− Diff @ 500 hPa for Apr



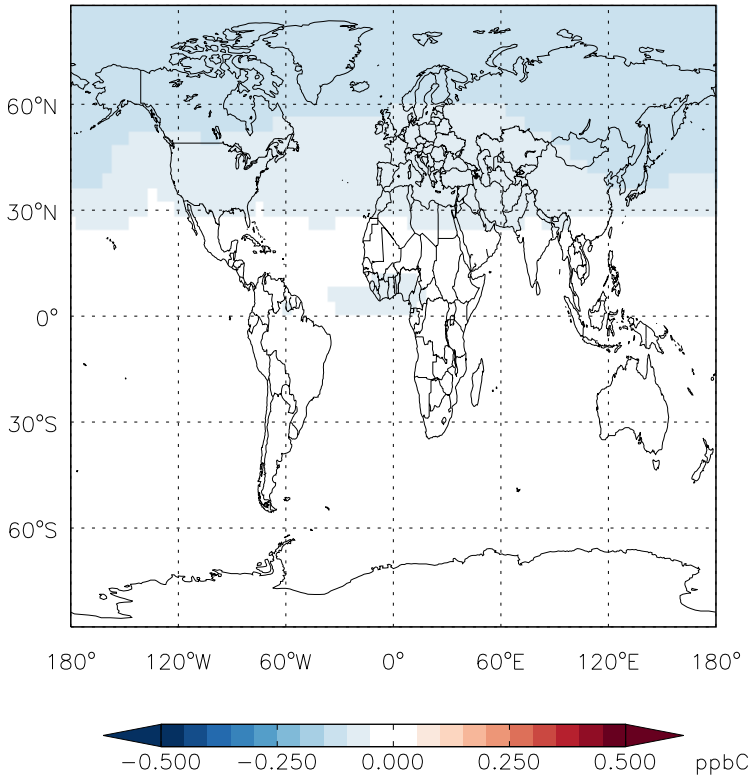
v11−01d−Run1 − v10−01−public−Run0

C2H6 − Diff @ Surface for Apr



v11−01d−Run1 − v10−01−public−Run0

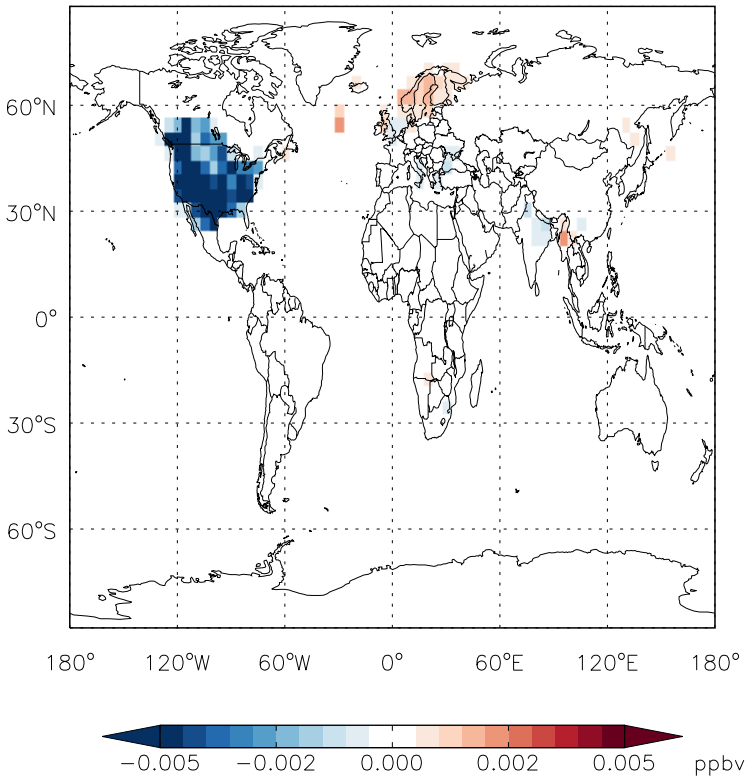
C2H6− Diff @ 500 hPa for Apr



GEOS-Chem Difference Maps at surface and 500 hPa

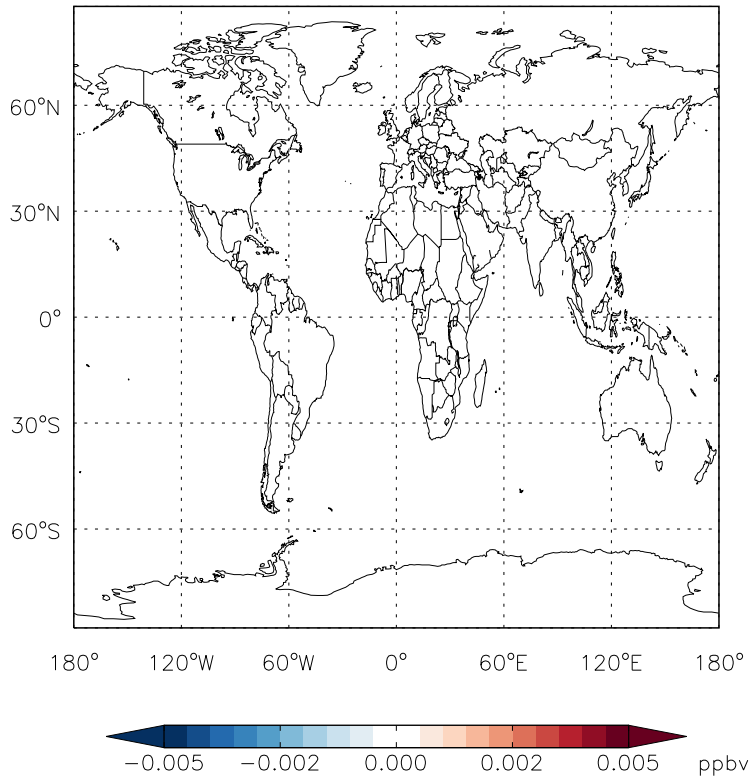
v11-01d-Run1 - v11-01b-Run0

N2O5 - Diff @ Surface for Apr



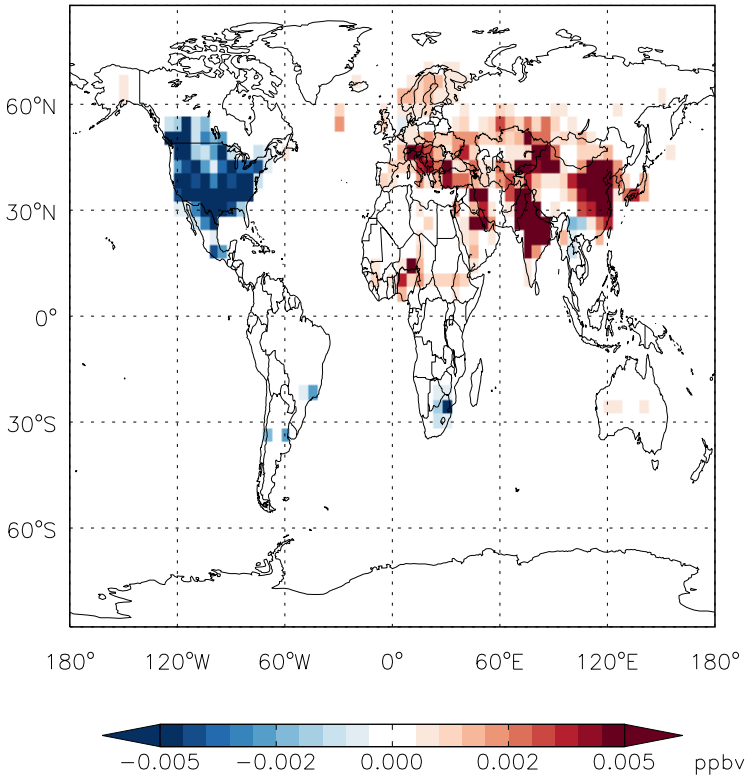
v11-01d-Run1 - v11-01b-Run0

N2O5- Diff @ 500 hPa for Apr



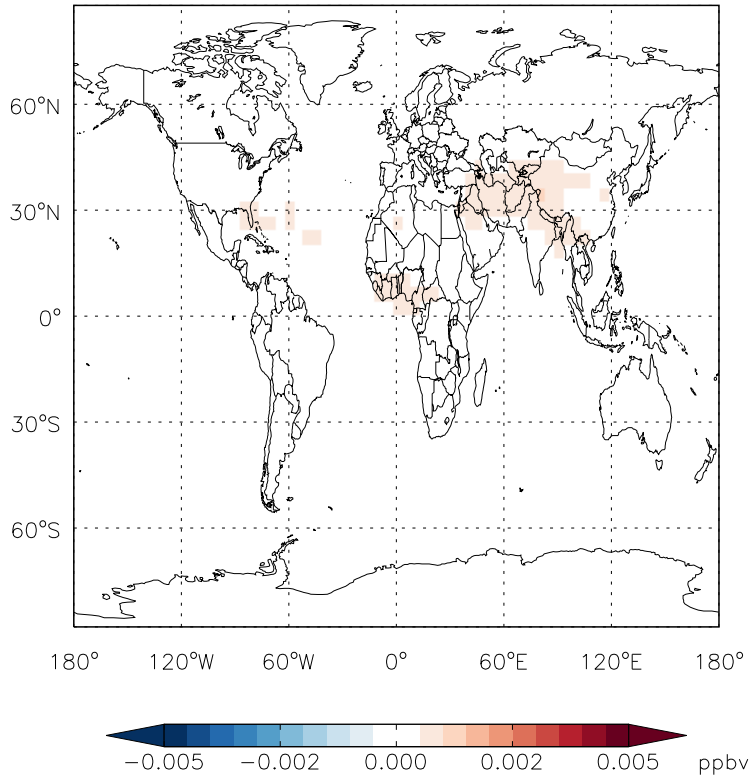
v11-01d-Run1 - v10-01-public-Run0

N2O5 - Diff @ Surface for Apr



v11-01d-Run1 - v10-01-public-Run0

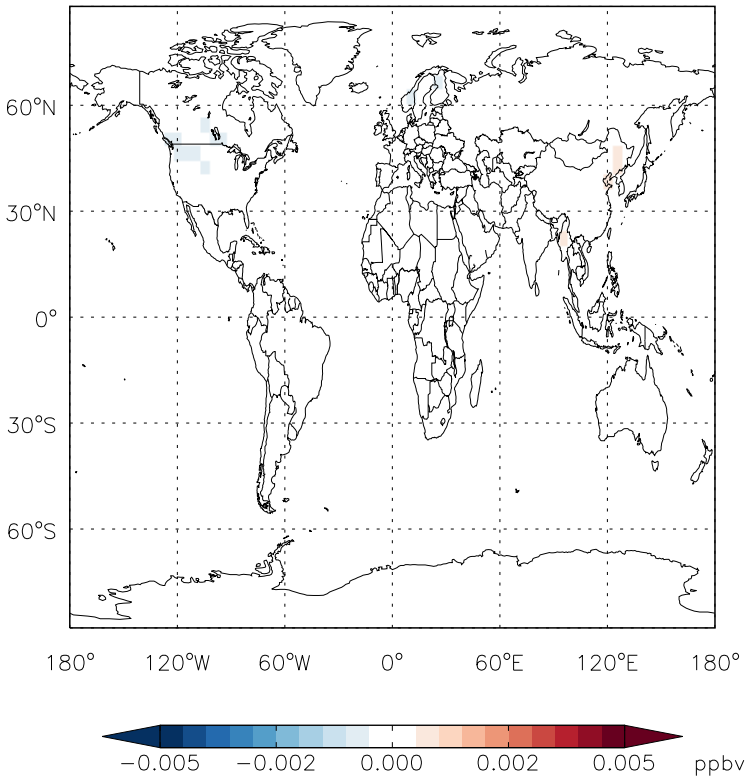
N2O5- Diff @ 500 hPa for Apr



GEOS−Chem Difference Maps at surface and 500 hPa

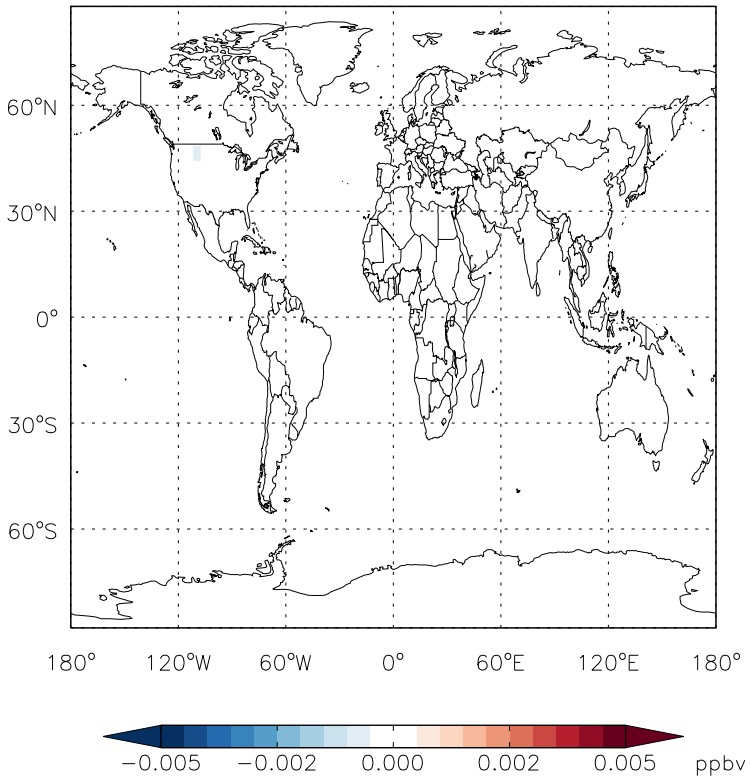
v11−01d−Run1 − v11−01b−Run0

HNO4 − Diff @ Surface for Apr



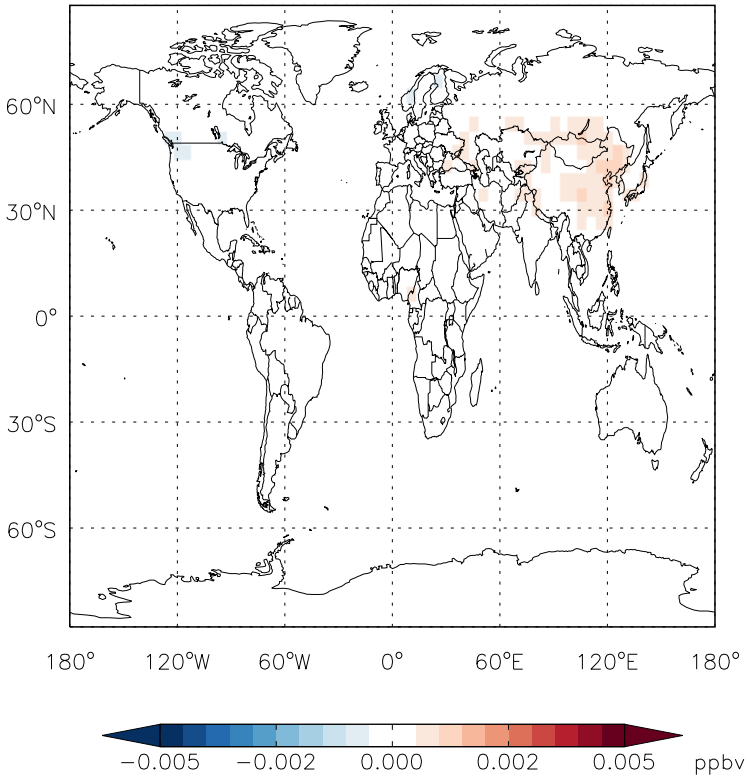
v11−01d−Run1 − v11−01b−Run0

HNO4− Diff @ 500 hPa for Apr



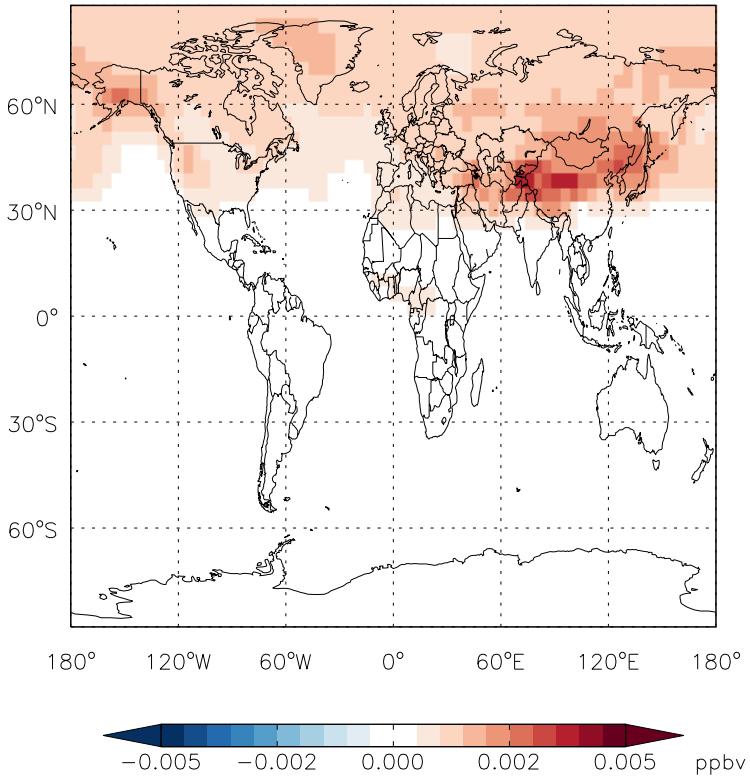
v11−01d−Run1 − v10−01−public−Run0

HNO4 − Diff @ Surface for Apr



v11−01d−Run1 − v10−01−public−Run0

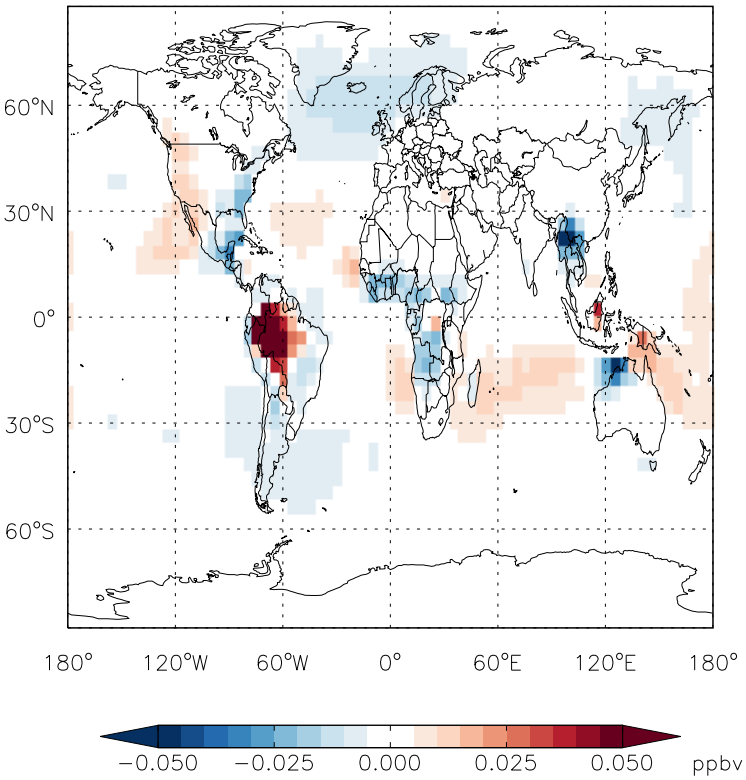
HNO4− Diff @ 500 hPa for Apr



GEOS−Chem Difference Maps at surface and 500 hPa

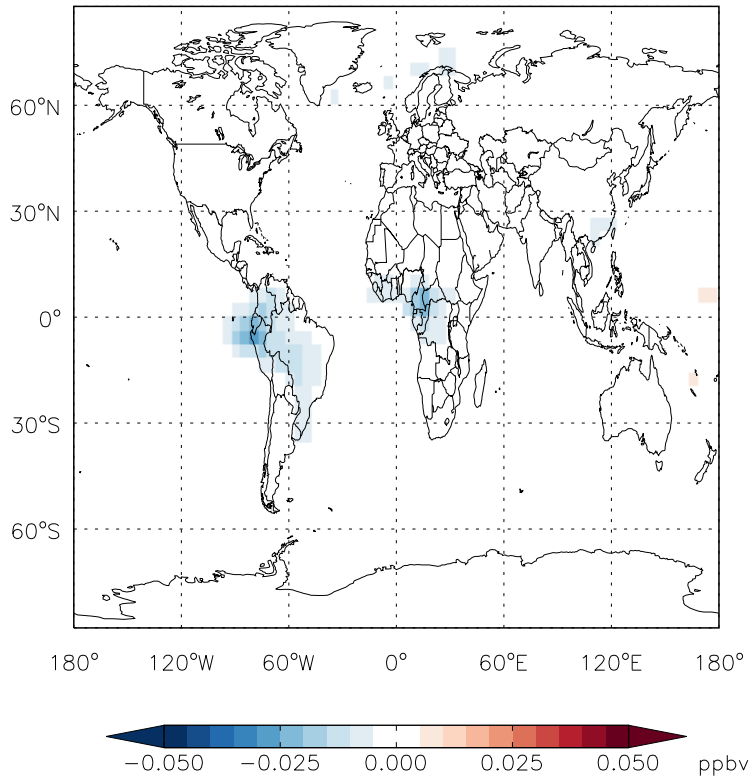
v11−01d−Run1 − v11−01b−Run0

MP − Diff @ Surface for Apr



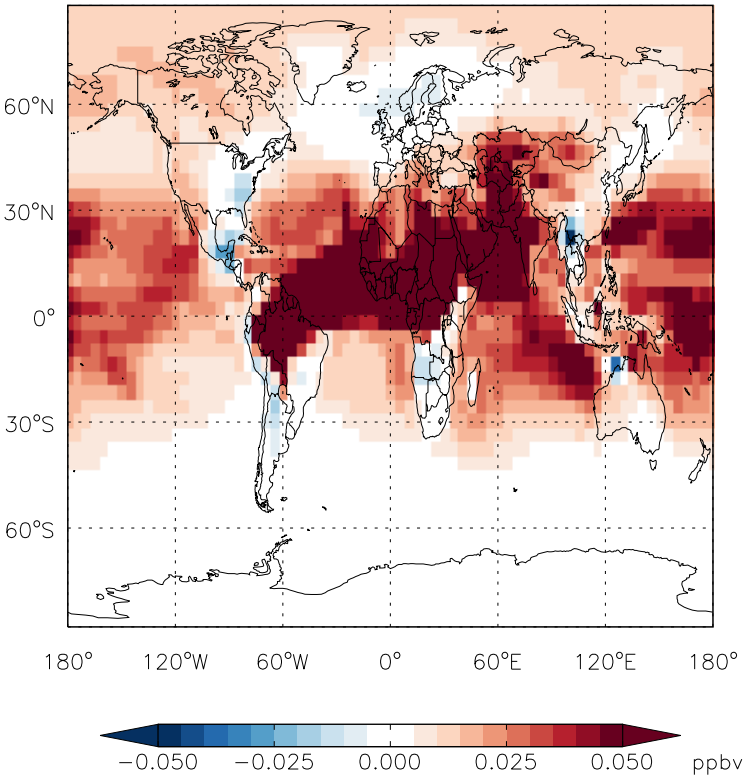
v11−01d−Run1 − v11−01b−Run0

MP− Diff @ 500 hPa for Apr



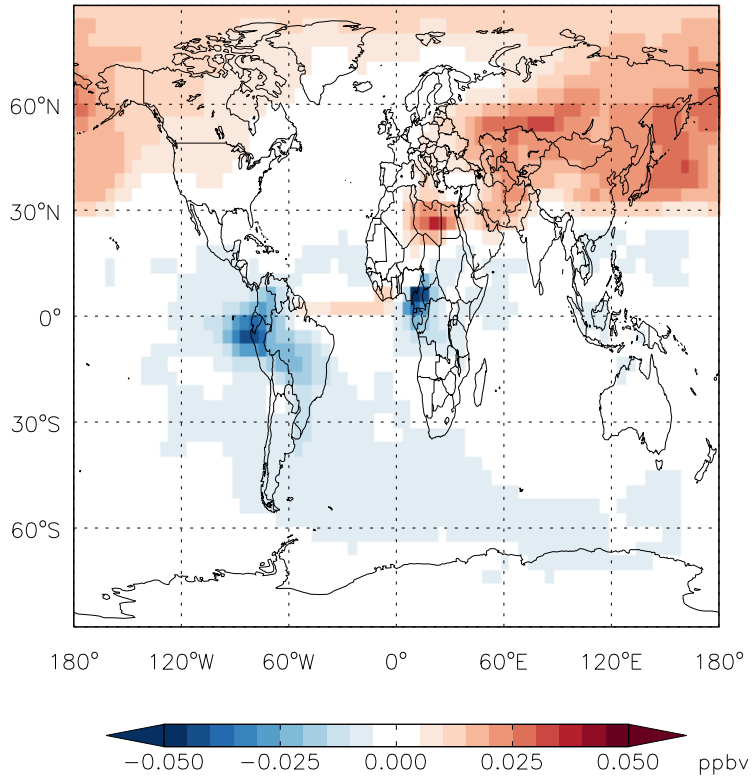
v11−01d−Run1 − v10−01−public−Run0

MP − Diff @ Surface for Apr



v11−01d−Run1 − v10−01−public−Run0

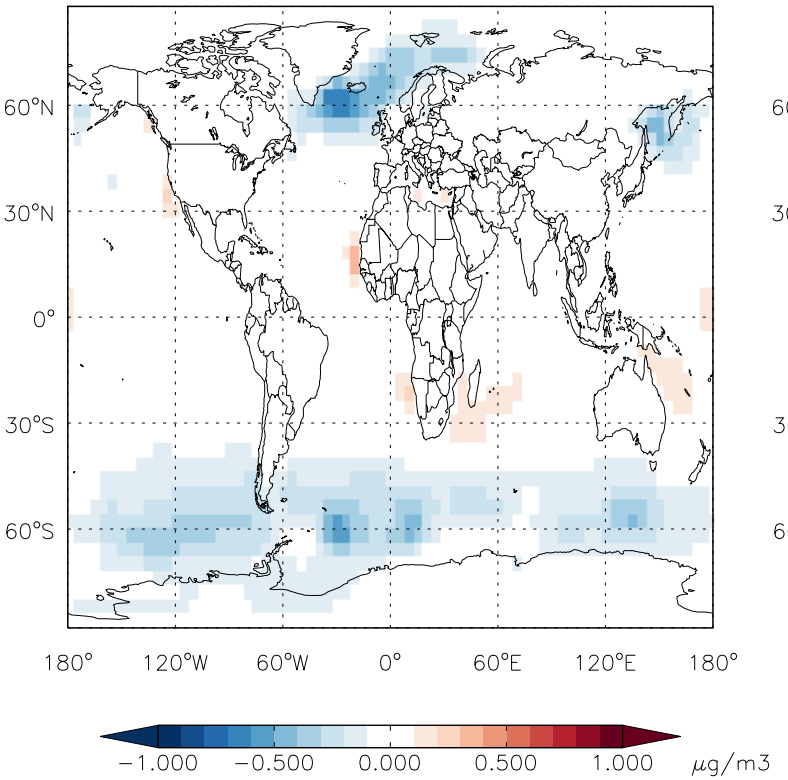
MP− Diff @ 500 hPa for Apr



GEOS−Chem Difference Maps at surface and 500 hPa

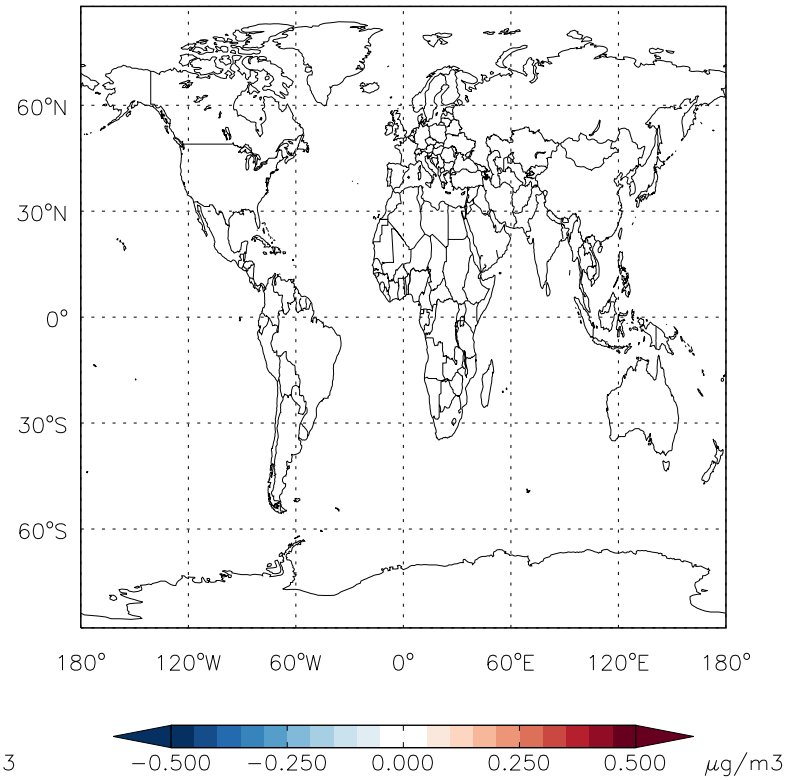
v11−01d−Run1 − v11−01b−Run0

DMS − Diff @ Surface for Apr



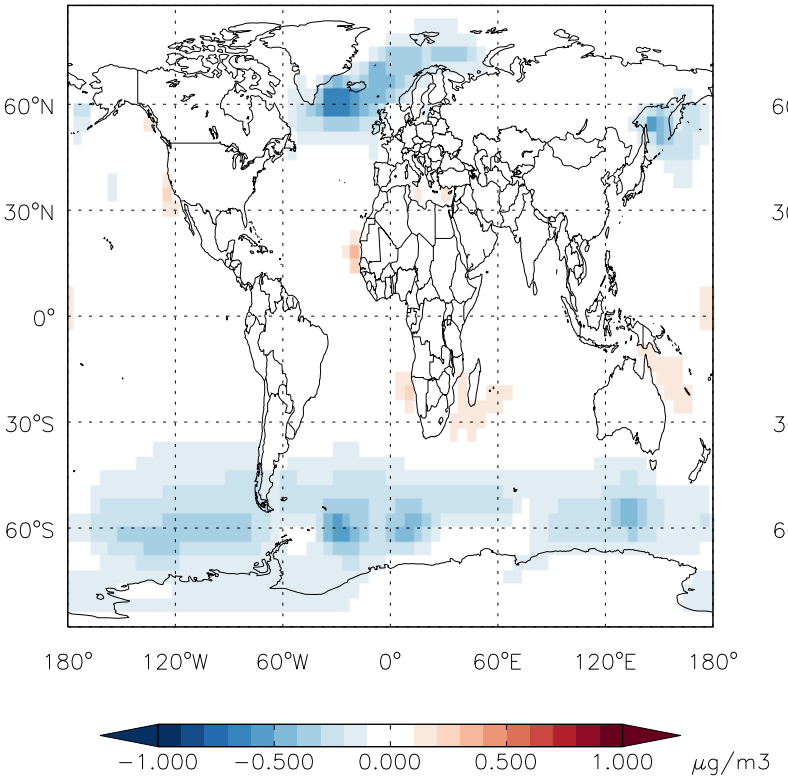
v11−01d−Run1 − v11−01b−Run0

DMS− Diff @ 500 hPa for Apr



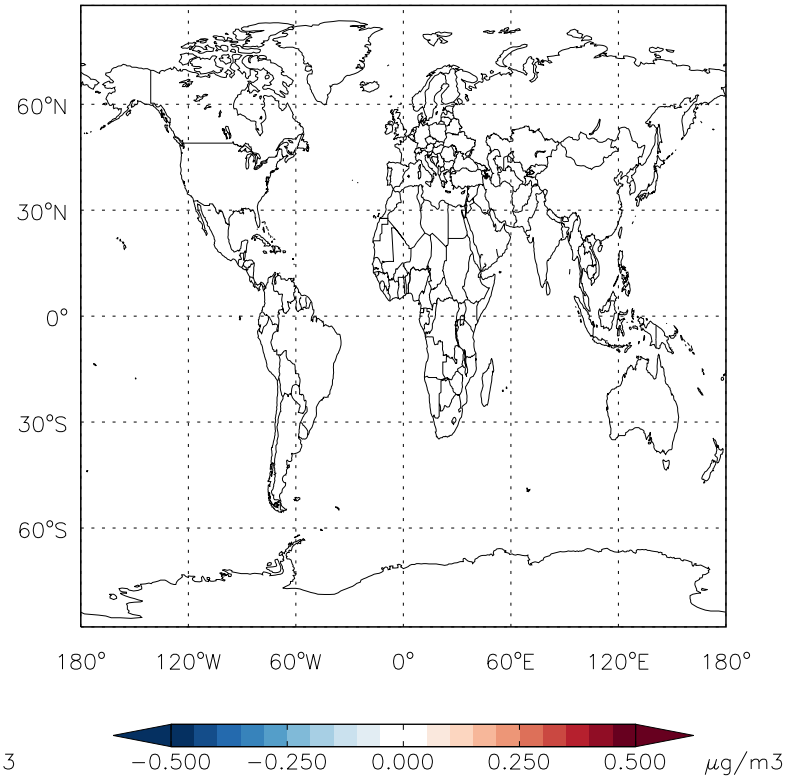
v11−01d−Run1 − v10−01−public−Run0

DMS − Diff @ Surface for Apr



v11−01d−Run1 − v10−01−public−Run0

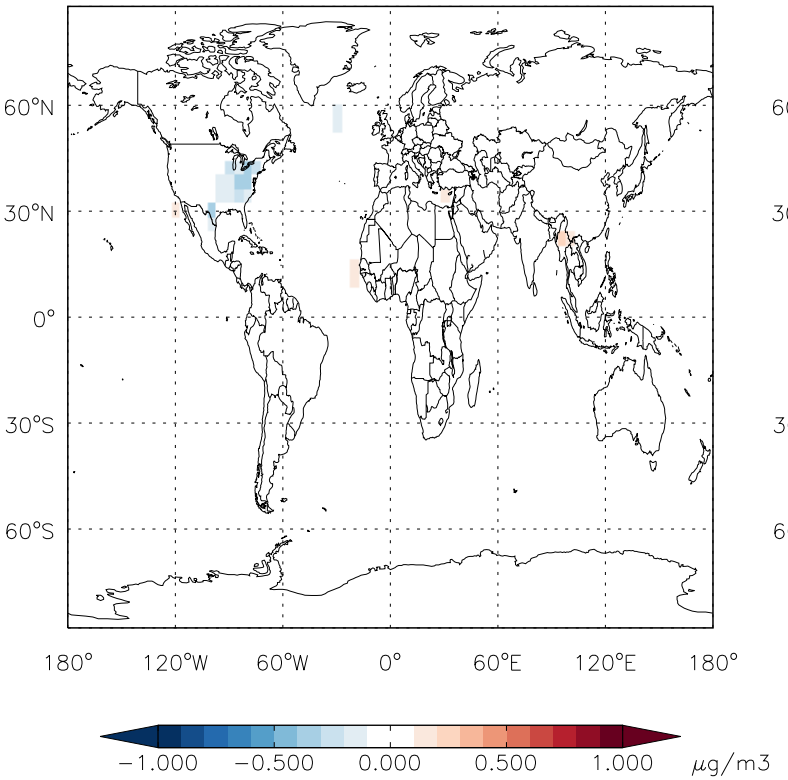
DMS− Diff @ 500 hPa for Apr



GEOS−Chem Difference Maps at surface and 500 hPa

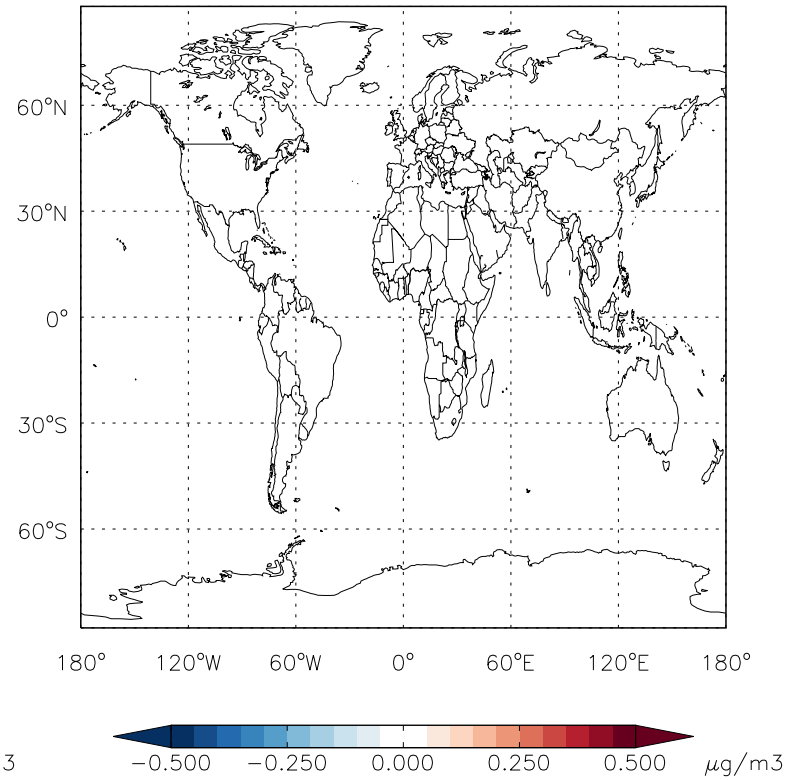
v11−01d−Run1 − v11−01b−Run0

SO2 − Diff @ Surface for Apr



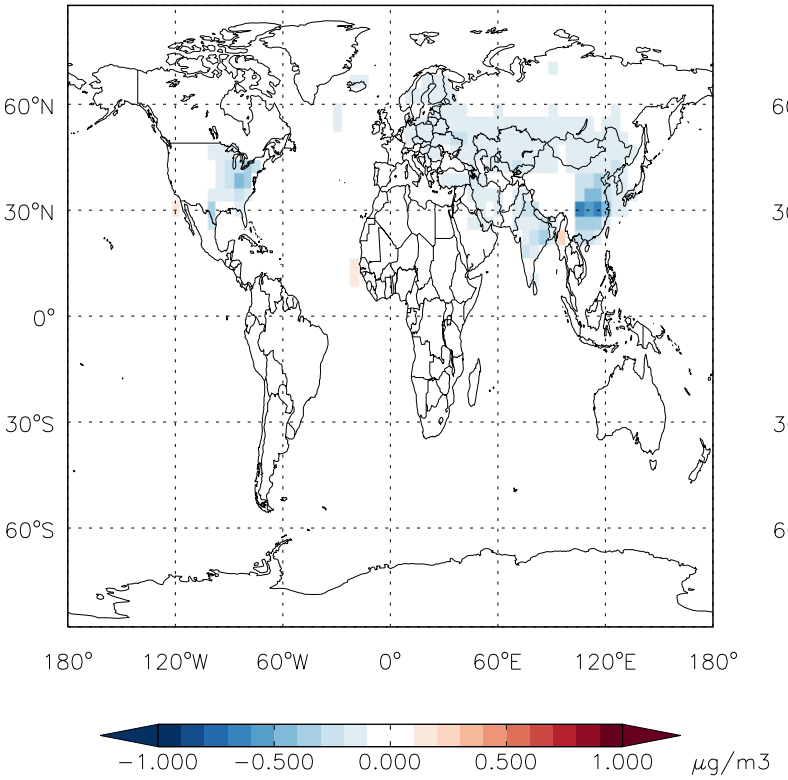
v11−01d−Run1 − v11−01b−Run0

SO2− Diff @ 500 hPa for Apr



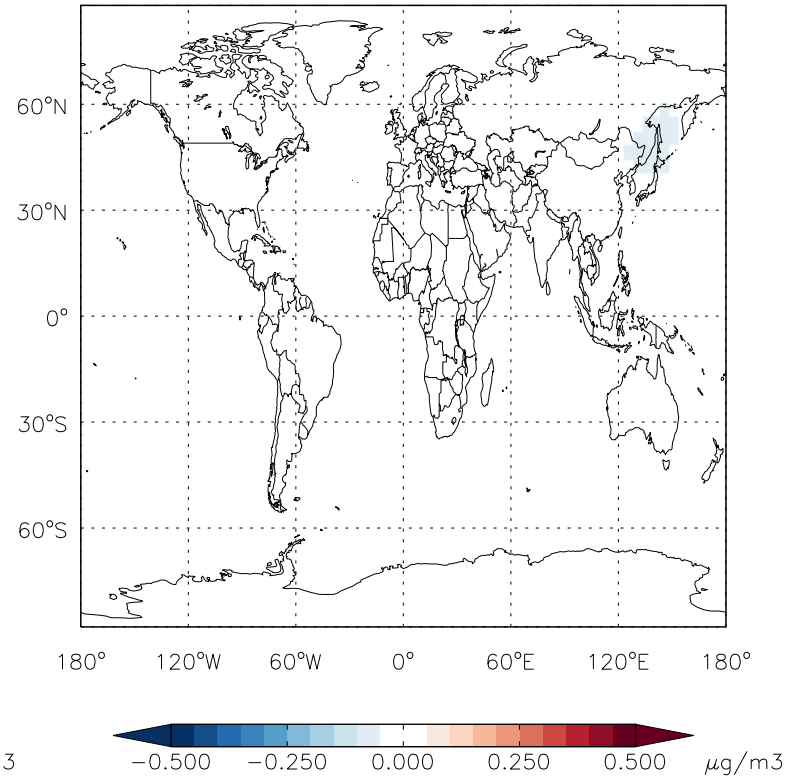
v11−01d−Run1 − v10−01−public−Run0

SO2 − Diff @ Surface for Apr



v11−01d−Run1 − v10−01−public−Run0

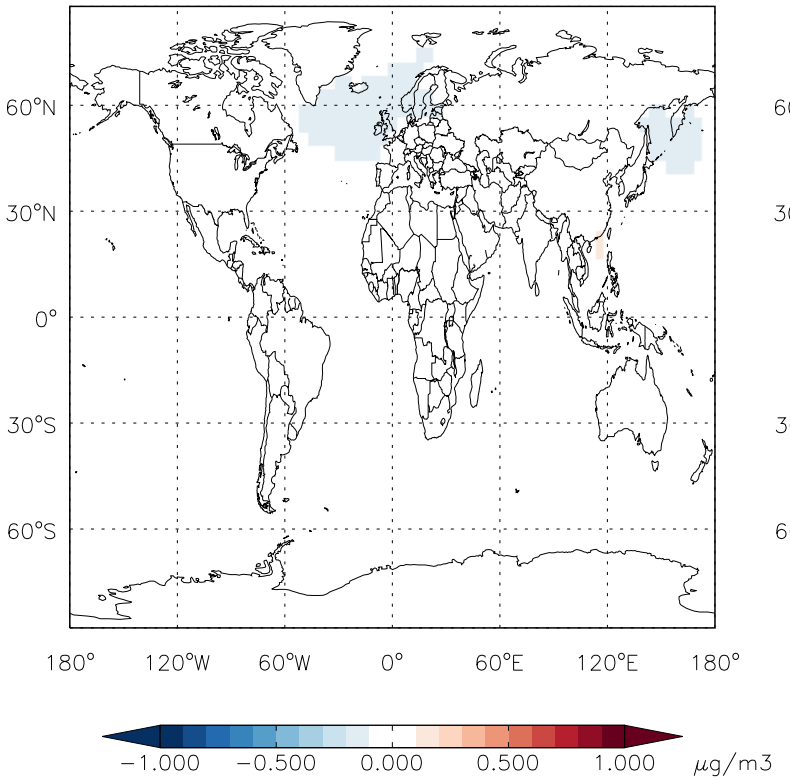
SO2− Diff @ 500 hPa for Apr



GEOS−Chem Difference Maps at surface and 500 hPa

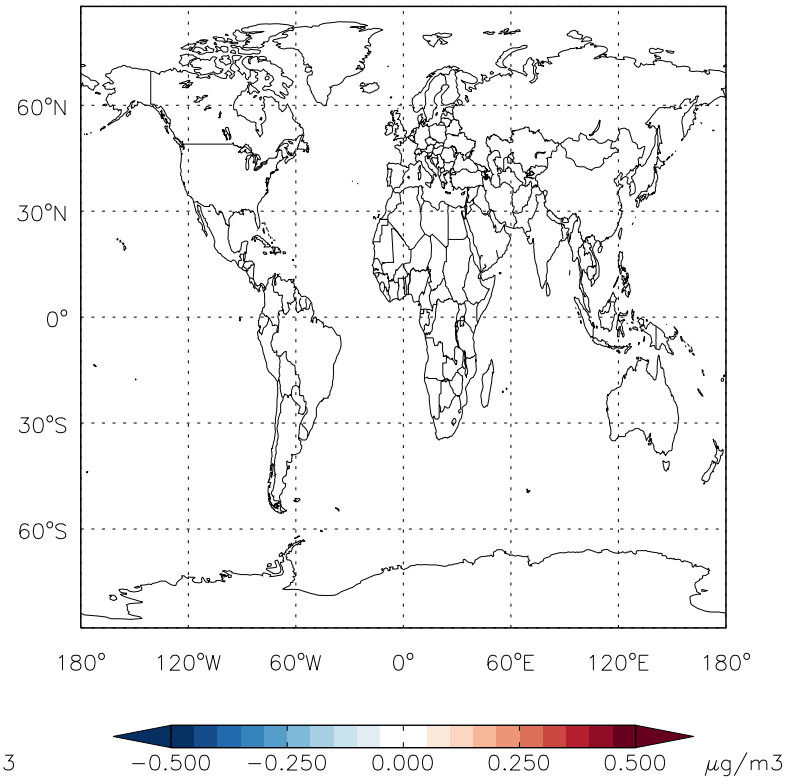
v11−01d−Run1 − v11−01b−Run0

SO4 − Diff @ Surface for Apr



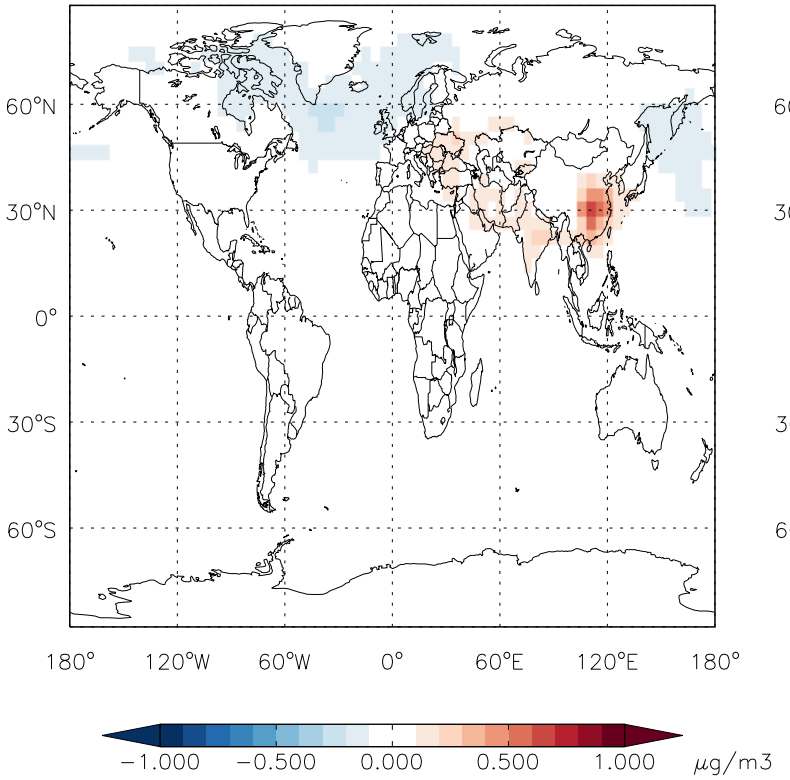
v11−01d−Run1 − v11−01b−Run0

SO4− Diff @ 500 hPa for Apr



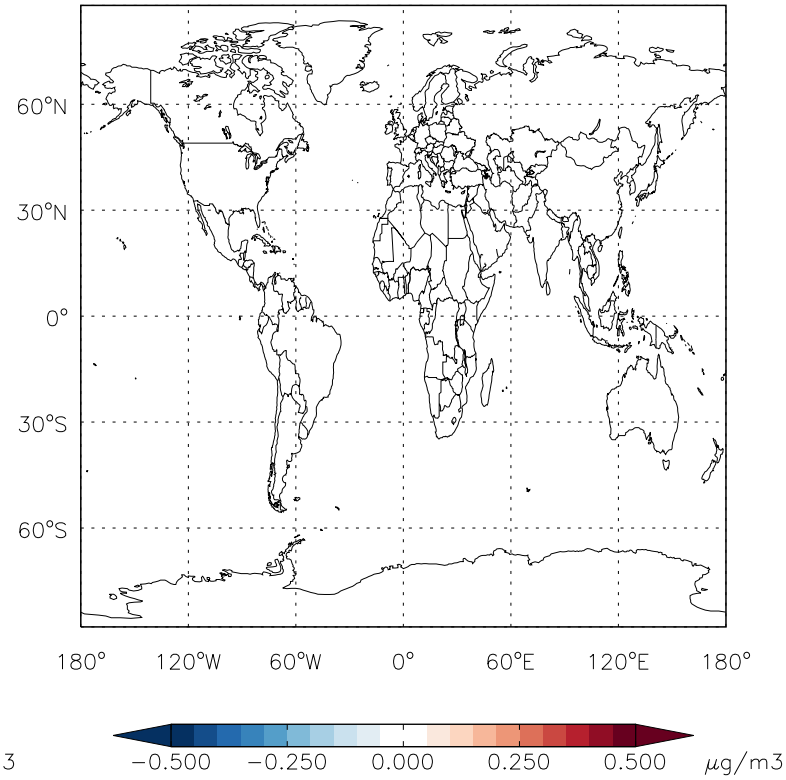
v11−01d−Run1 − v10−01−public−Run0

SO4 − Diff @ Surface for Apr



v11−01d−Run1 − v10−01−public−Run0

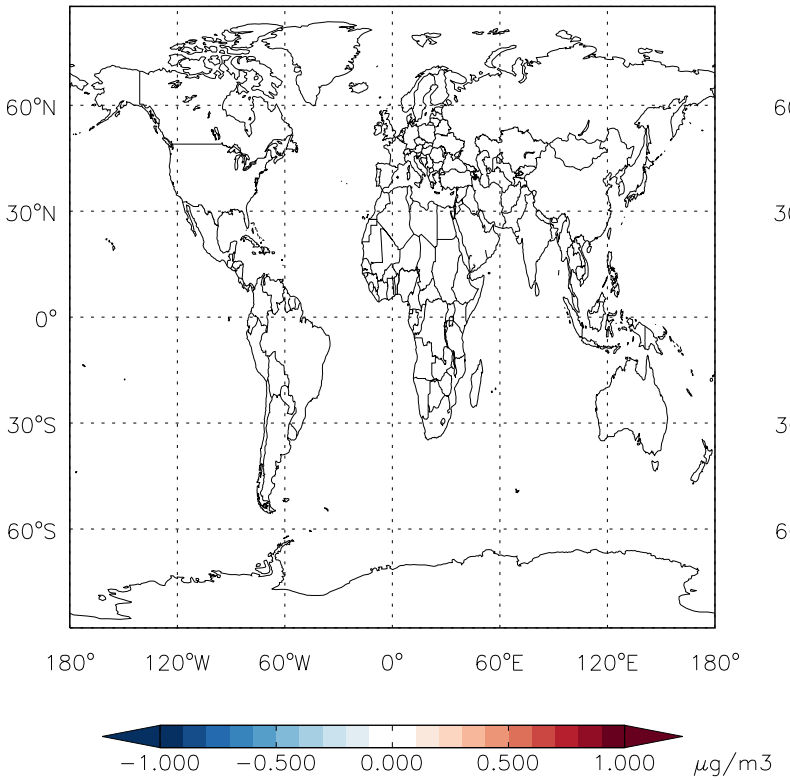
SO4− Diff @ 500 hPa for Apr



GEOS−Chem Difference Maps at surface and 500 hPa

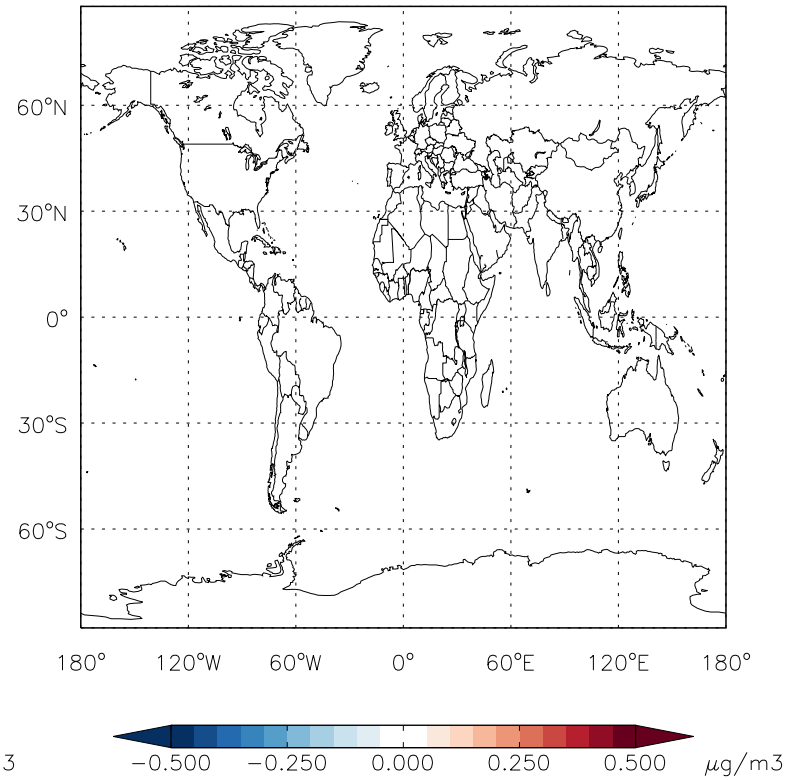
v11−01d−Run1 − v11−01b−Run0

SO4s − Diff @ Surface for Apr



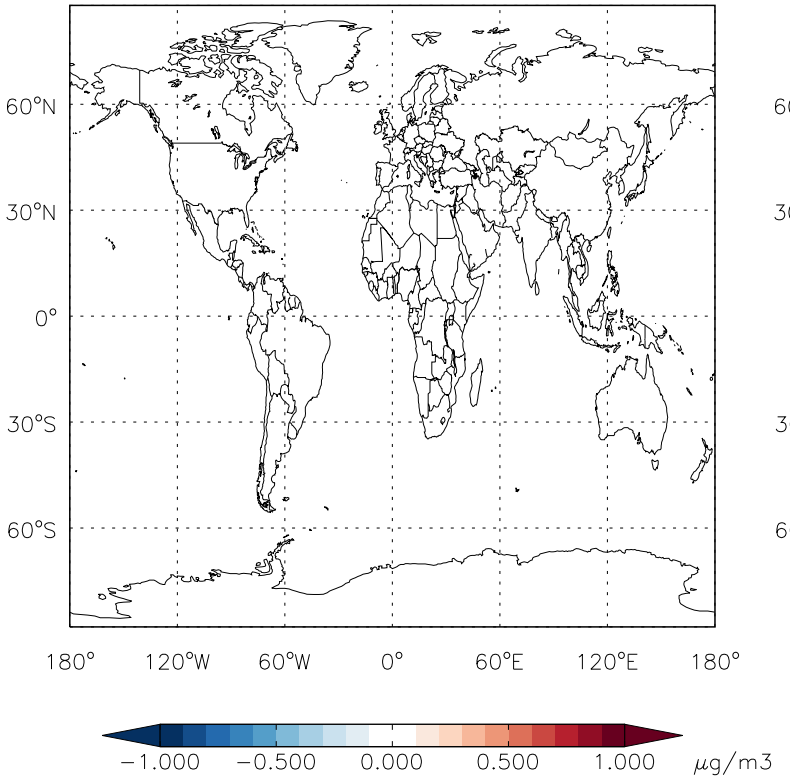
v11−01d−Run1 − v11−01b−Run0

SO4s− Diff @ 500 hPa for Apr



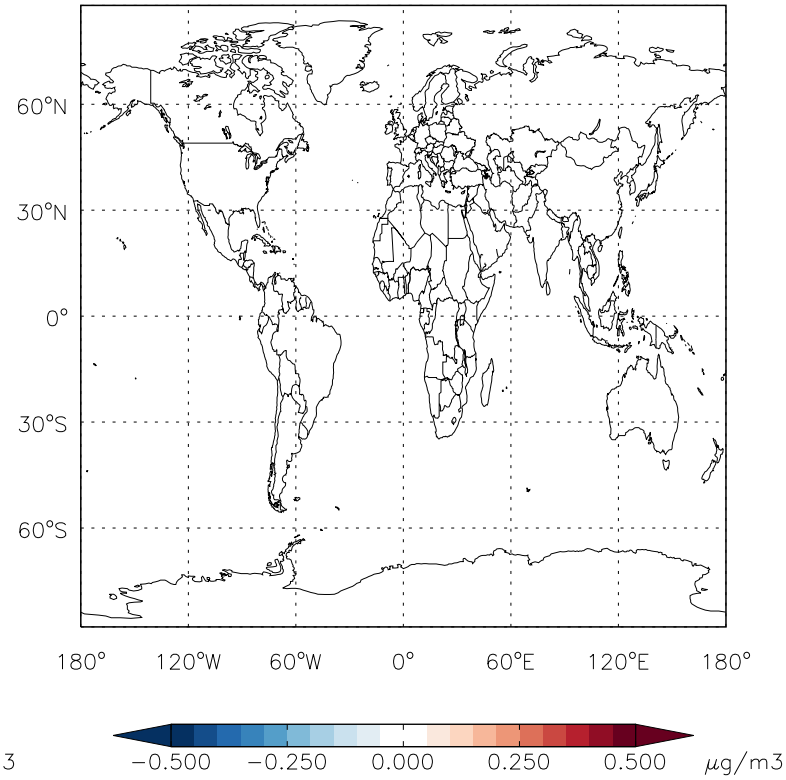
v11−01d−Run1 − v10−01−public−Run0

SO4s − Diff @ Surface for Apr



v11−01d−Run1 − v10−01−public−Run0

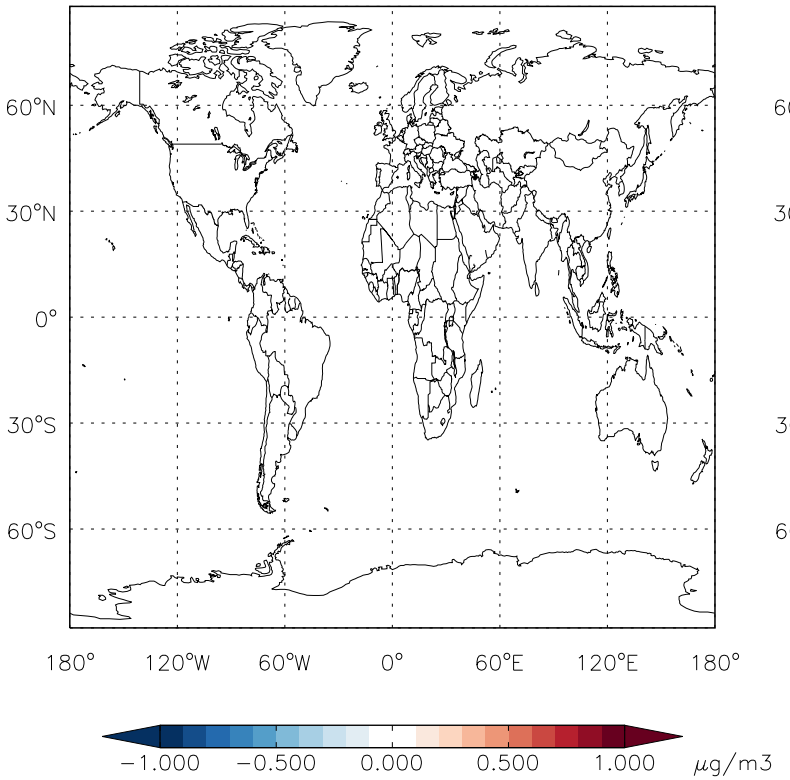
SO4s− Diff @ 500 hPa for Apr



GEOS−Chem Difference Maps at surface and 500 hPa

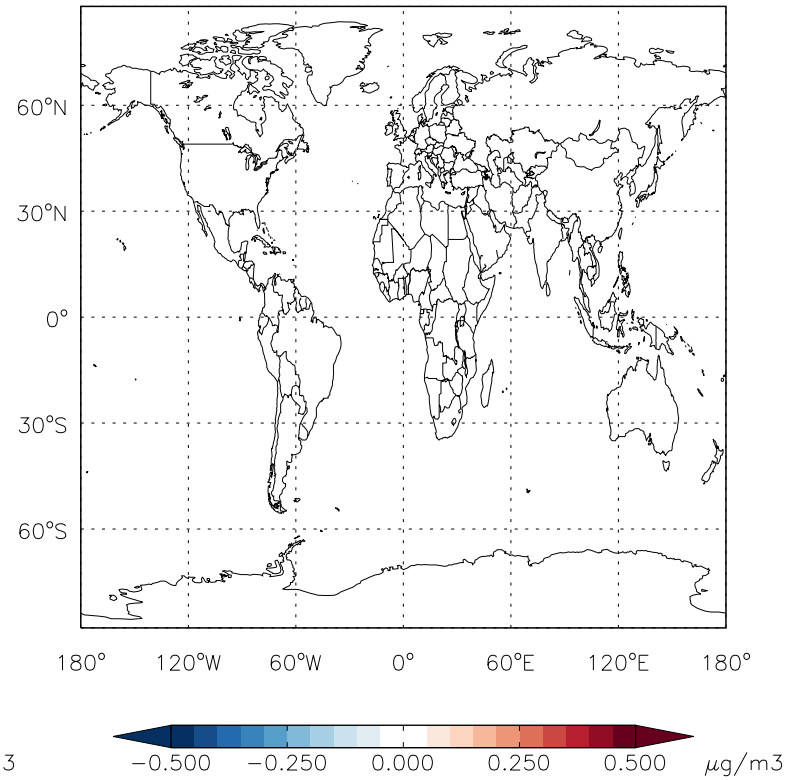
v11−01d−Run1 − v11−01b−Run0

MSA − Diff @ Surface for Apr



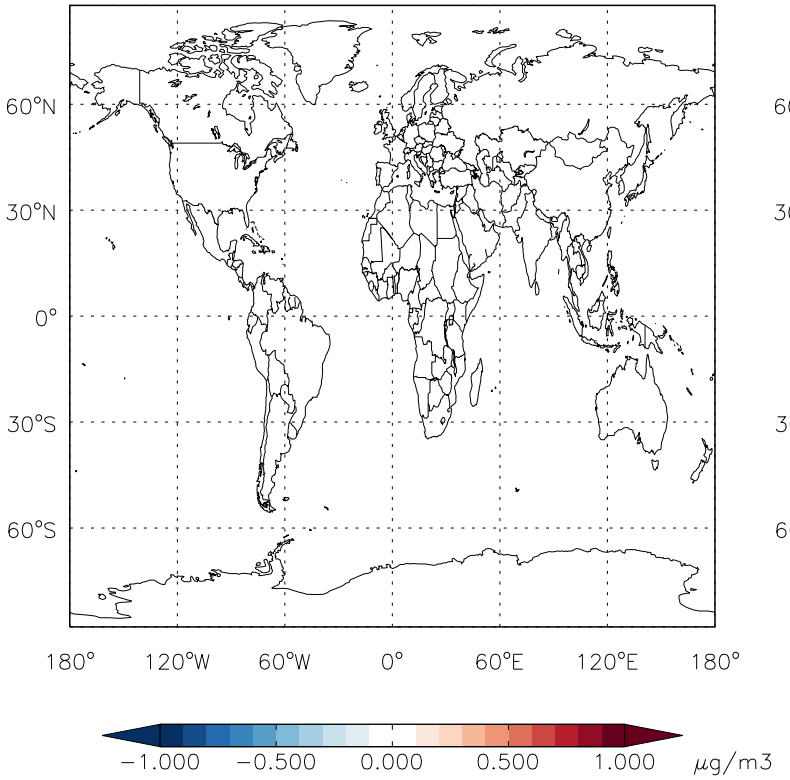
v11−01d−Run1 − v11−01b−Run0

MSA− Diff @ 500 hPa for Apr



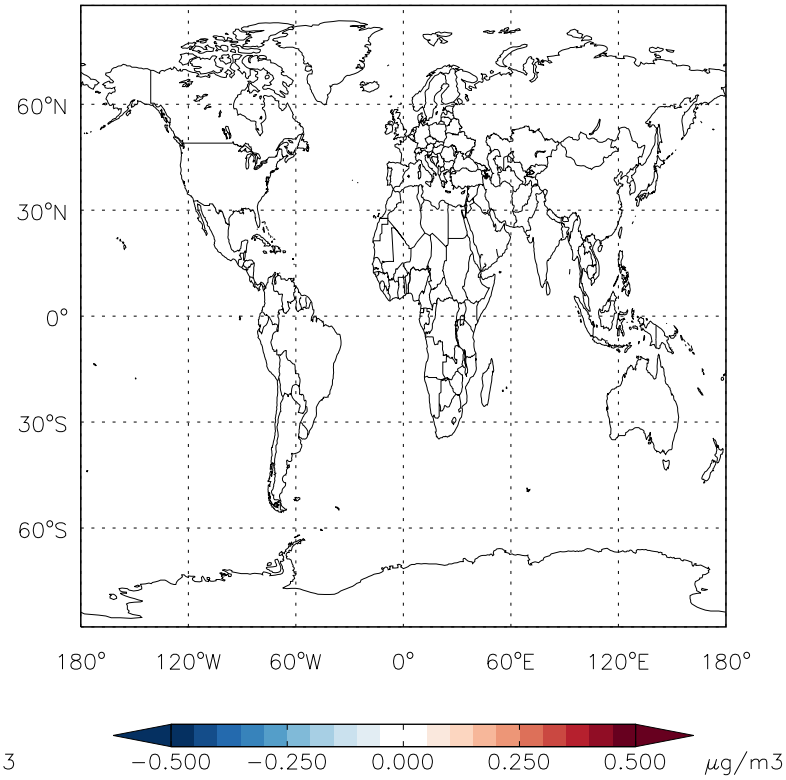
v11−01d−Run1 − v10−01−public−Run0

MSA − Diff @ Surface for Apr



v11−01d−Run1 − v10−01−public−Run0

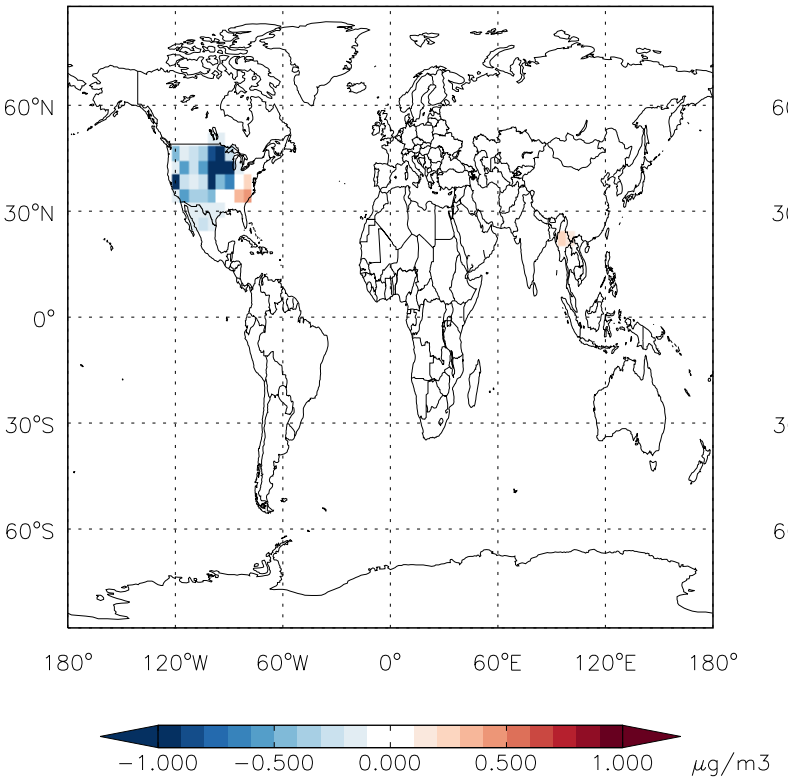
MSA− Diff @ 500 hPa for Apr



GEOS−Chem Difference Maps at surface and 500 hPa

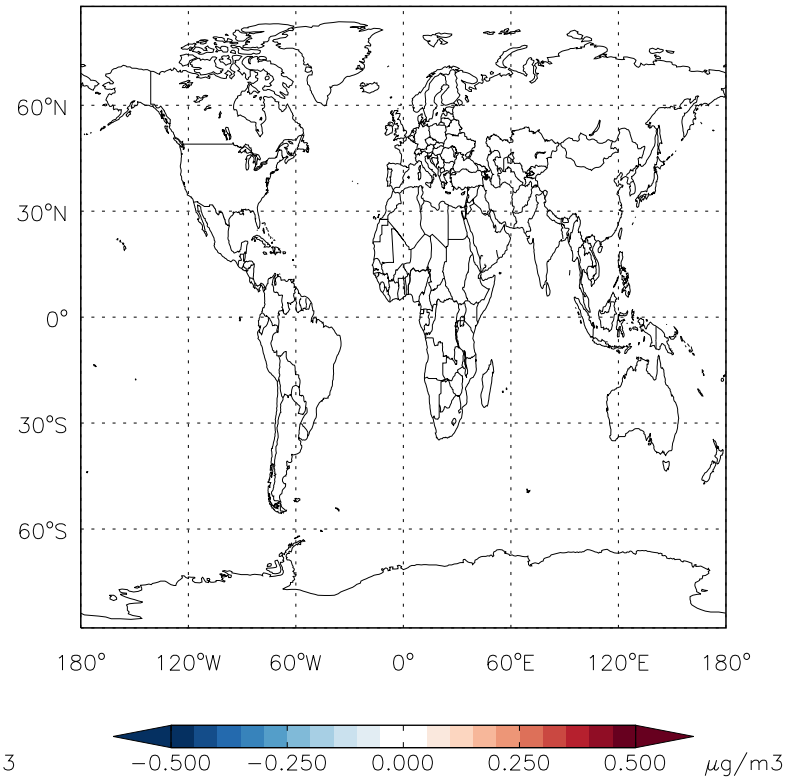
v11−01d−Run1 − v11−01b−Run0

NH3 − Diff @ Surface for Apr



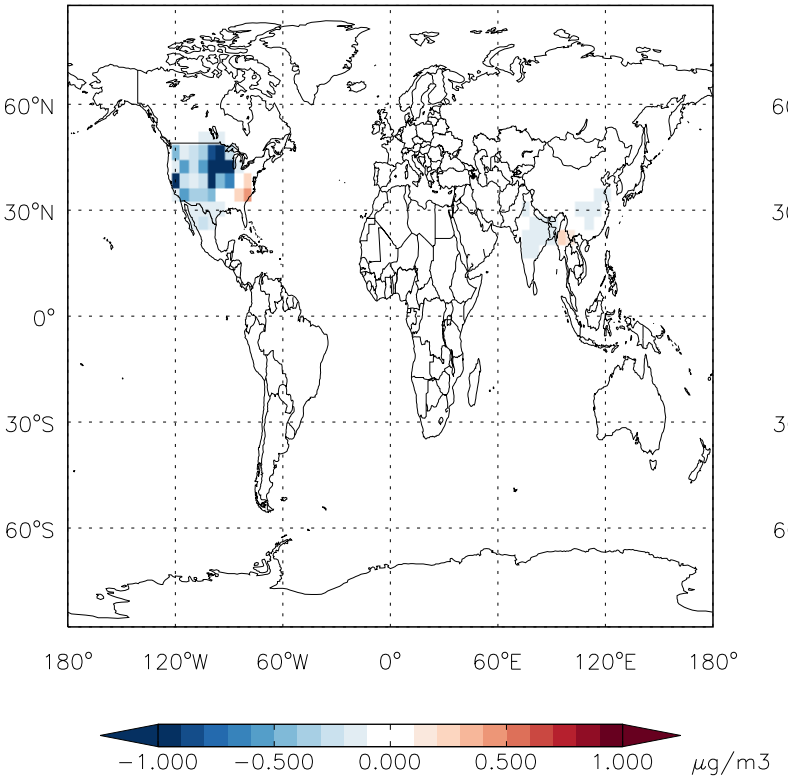
v11−01d−Run1 − v11−01b−Run0

NH3− Diff @ 500 hPa for Apr



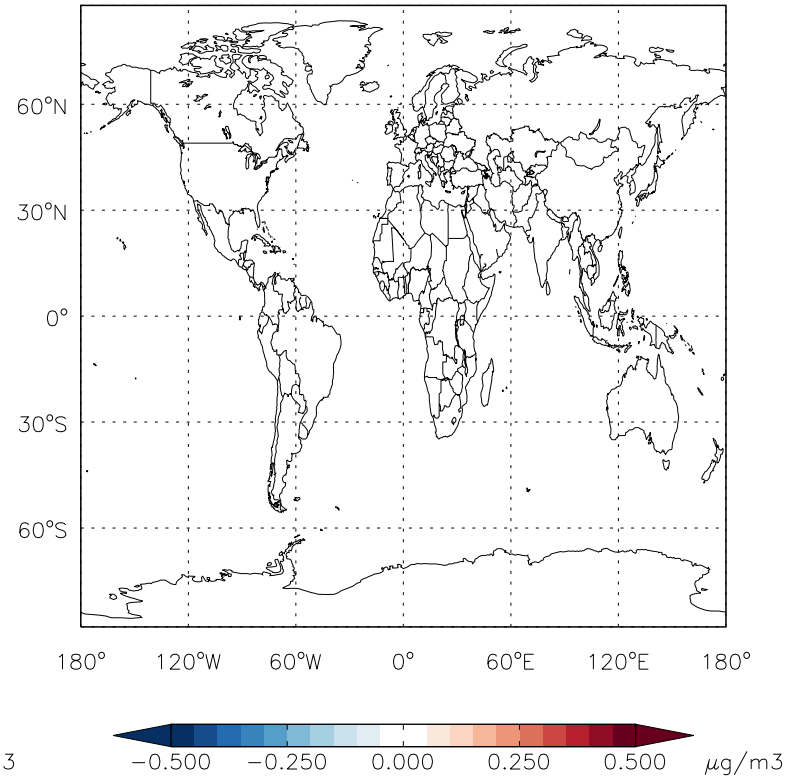
v11−01d−Run1 − v10−01−public−Run0

NH3 − Diff @ Surface for Apr



v11−01d−Run1 − v10−01−public−Run0

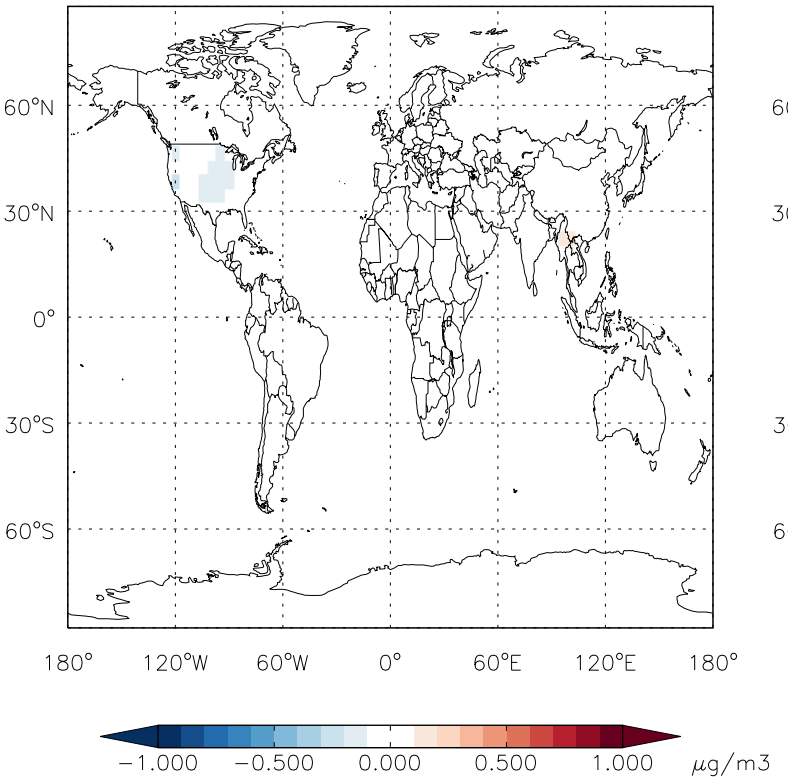
NH3− Diff @ 500 hPa for Apr



GEOS−Chem Difference Maps at surface and 500 hPa

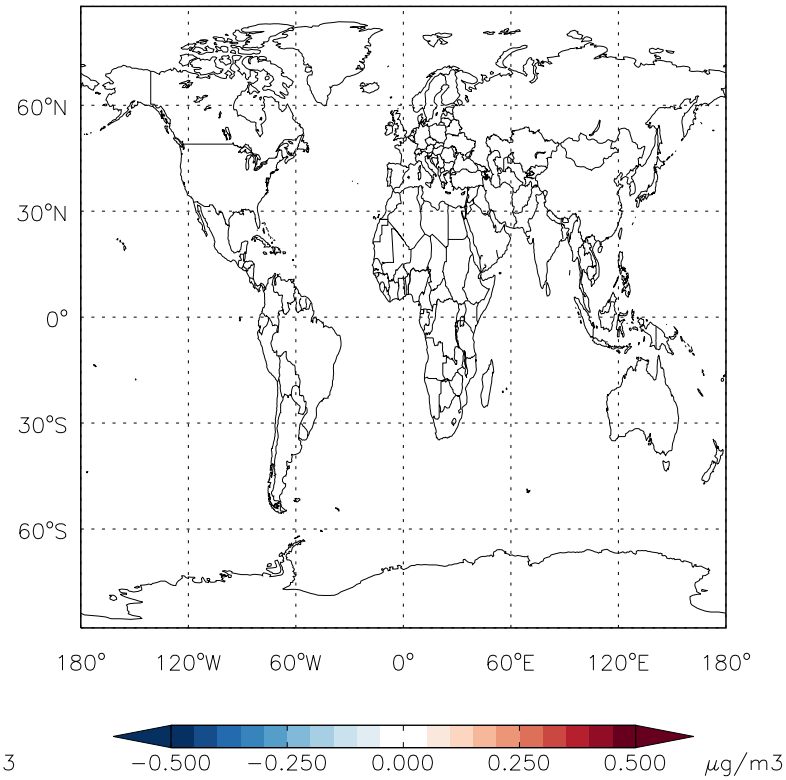
v11−01d−Run1 − v11−01b−Run0

NH4 − Diff @ Surface for Apr



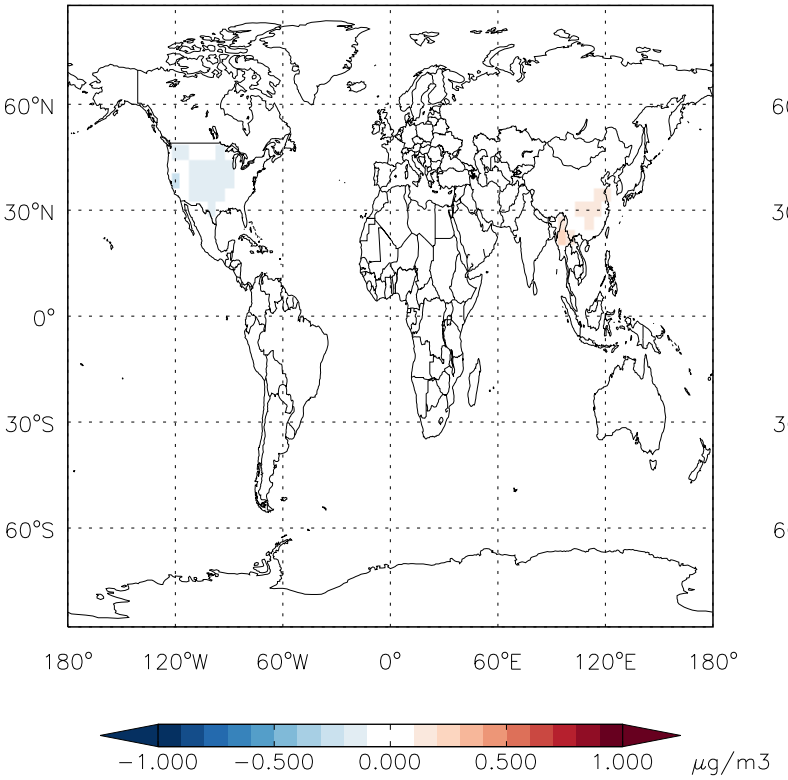
v11−01d−Run1 − v11−01b−Run0

NH4− Diff @ 500 hPa for Apr



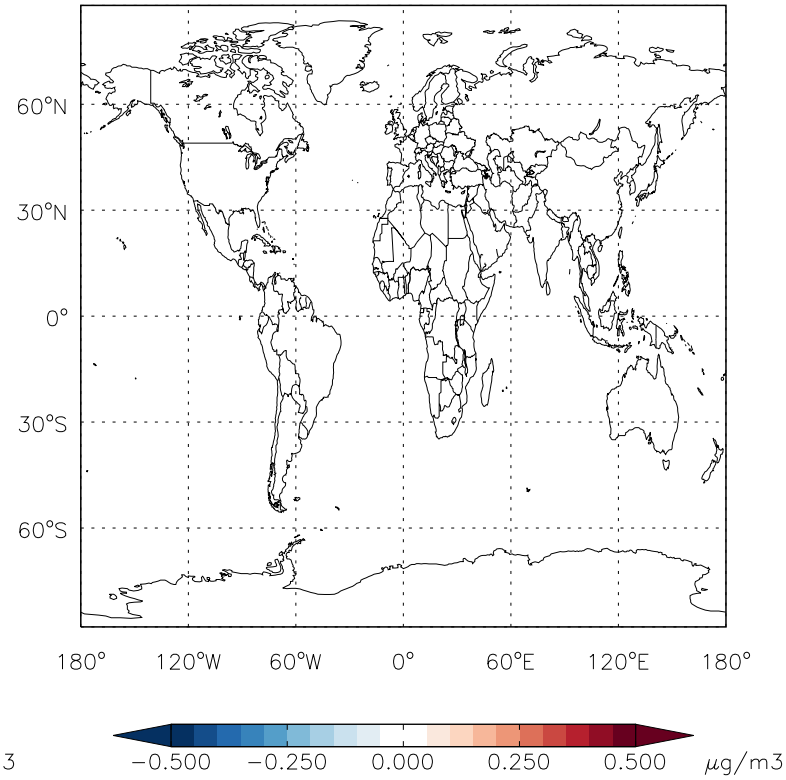
v11−01d−Run1 − v10−01−public−Run0

NH4 − Diff @ Surface for Apr



v11−01d−Run1 − v10−01−public−Run0

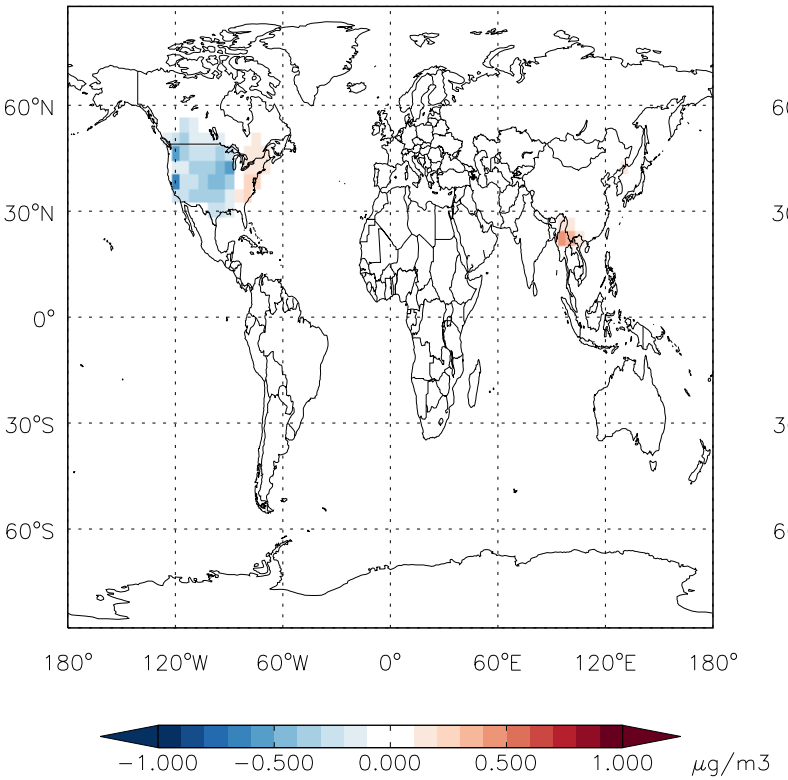
NH4− Diff @ 500 hPa for Apr



GEOS−Chem Difference Maps at surface and 500 hPa

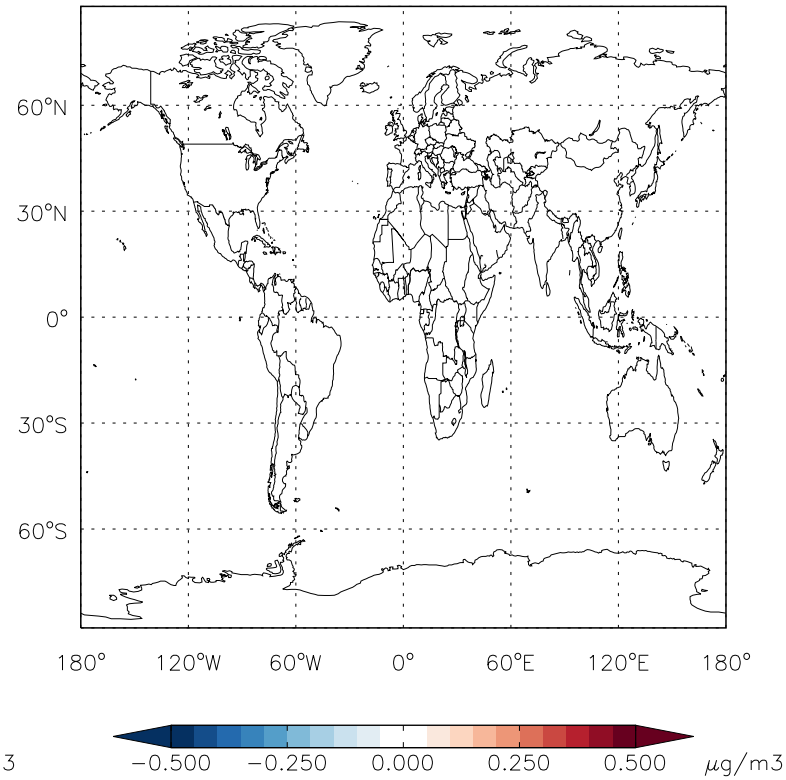
v11−01d−Run1 − v11−01b−Run0

NIT − Diff @ Surface for Apr



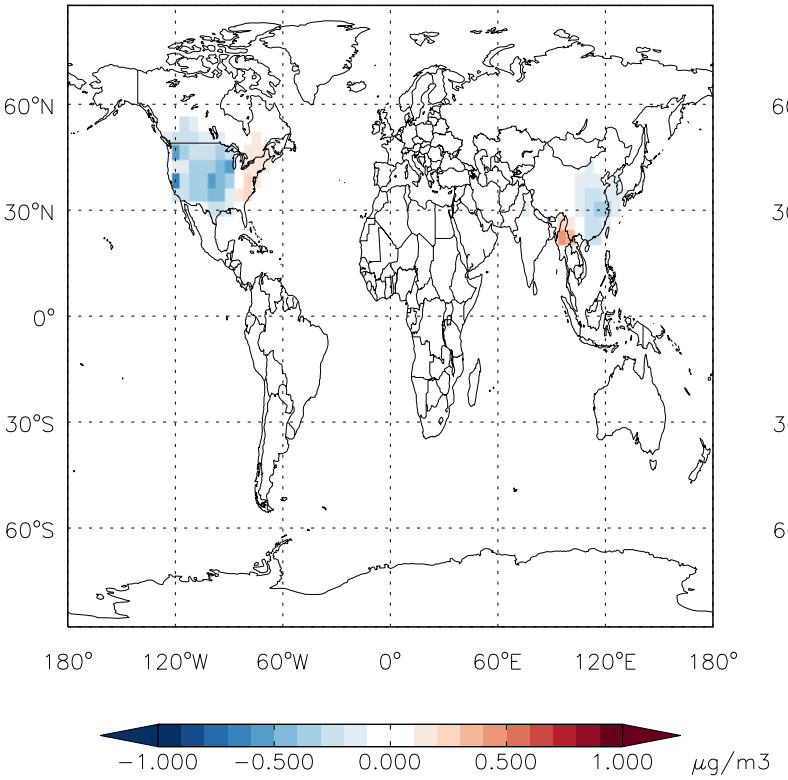
v11−01d−Run1 − v11−01b−Run0

NIT− Diff @ 500 hPa for Apr



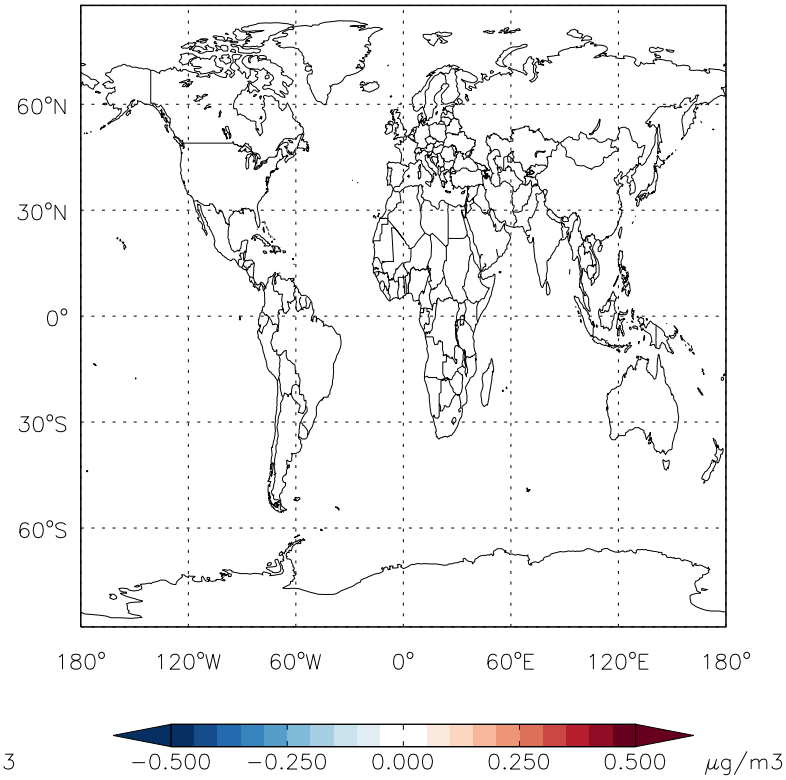
v11−01d−Run1 − v10−01−public−Run0

NIT − Diff @ Surface for Apr



v11−01d−Run1 − v10−01−public−Run0

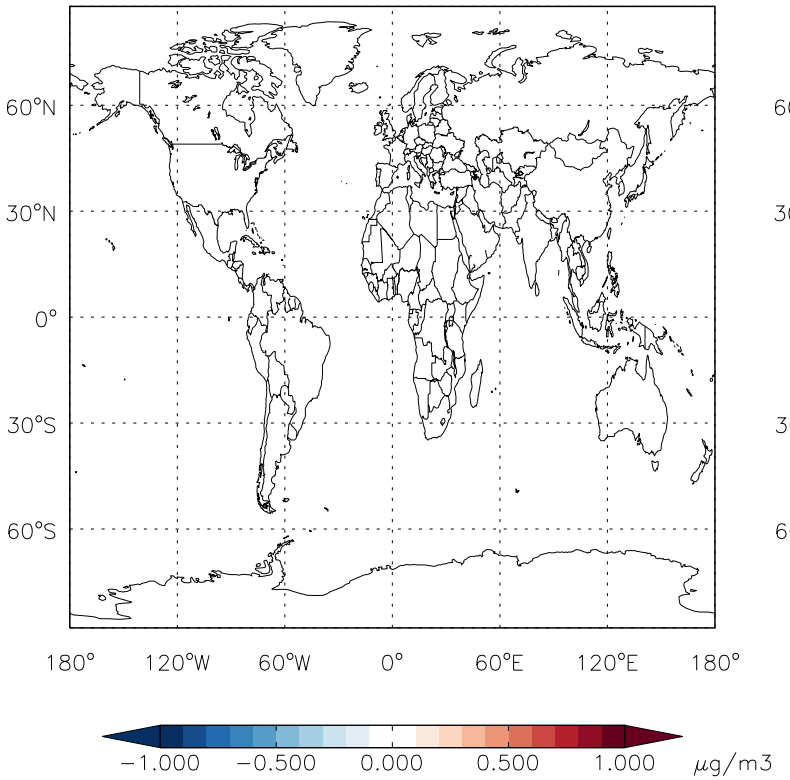
NIT− Diff @ 500 hPa for Apr



GEOS−Chem Difference Maps at surface and 500 hPa

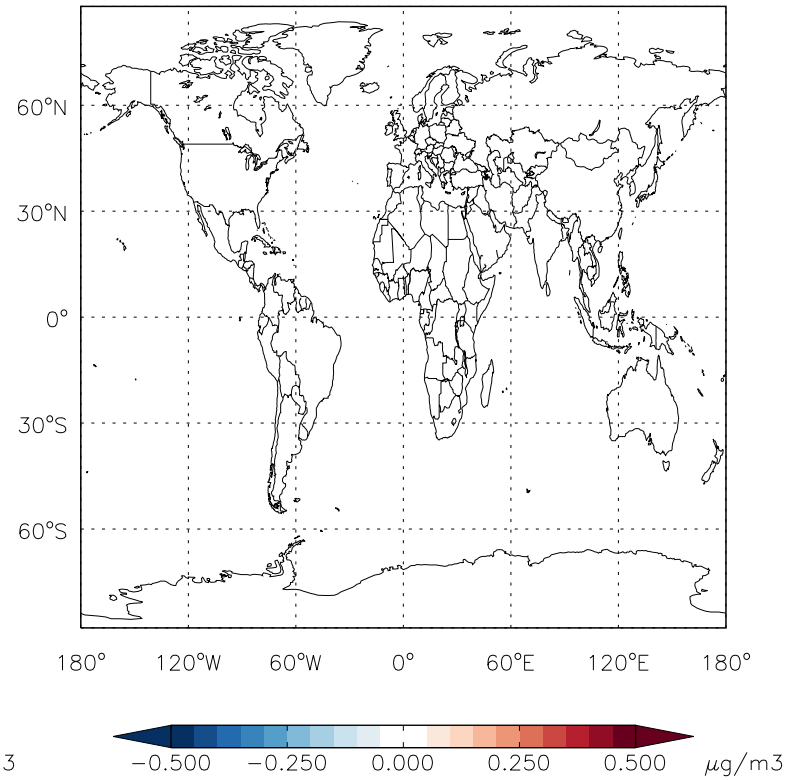
v11−01d−Run1 − v11−01b−Run0

NITs − Diff @ Surface for Apr



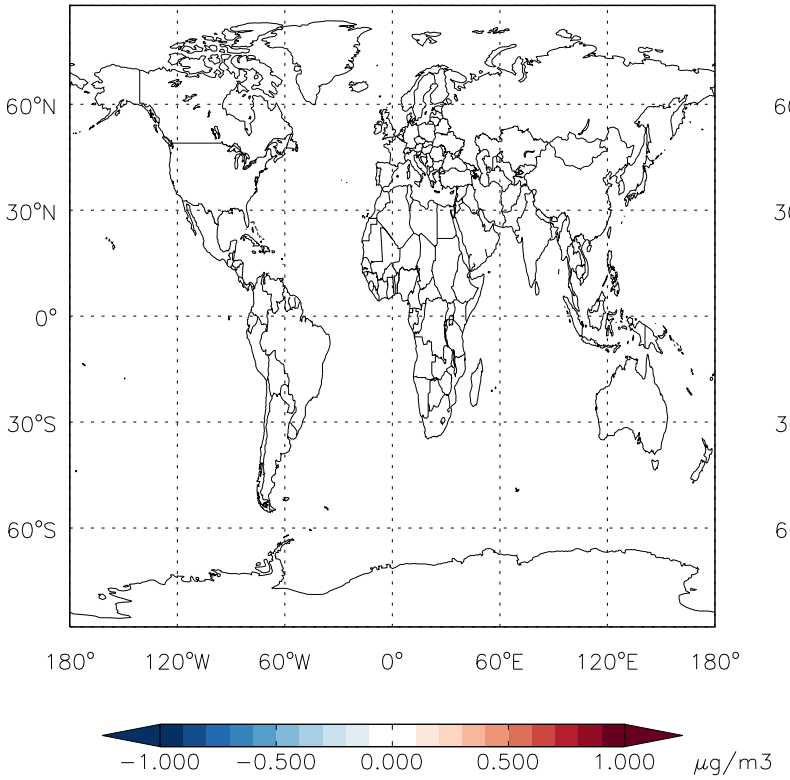
v11−01d−Run1 − v11−01b−Run0

NITs− Diff @ 500 hPa for Apr



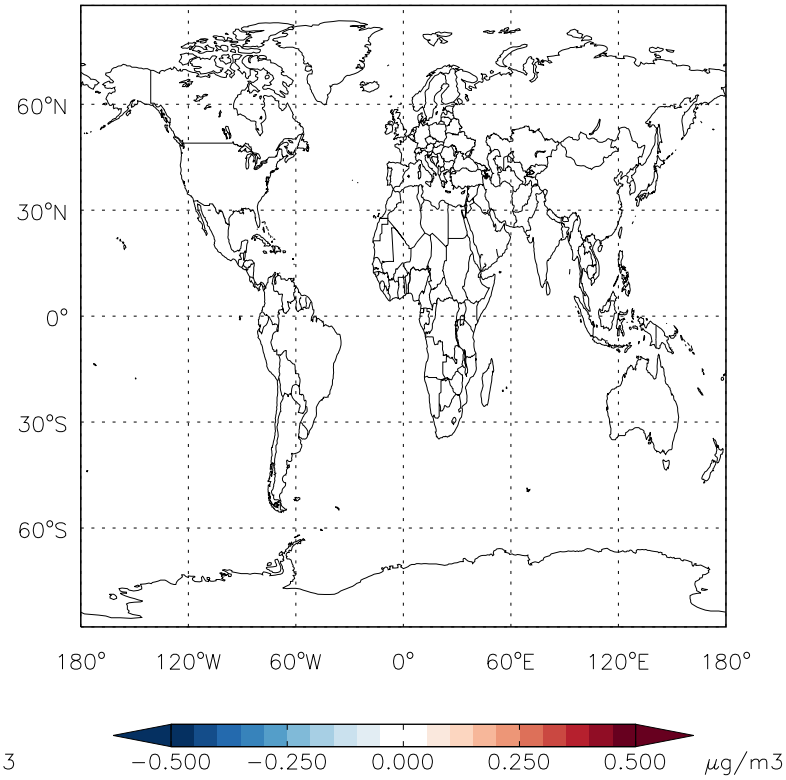
v11−01d−Run1 − v10−01−public−Run0

NITs − Diff @ Surface for Apr



v11−01d−Run1 − v10−01−public−Run0

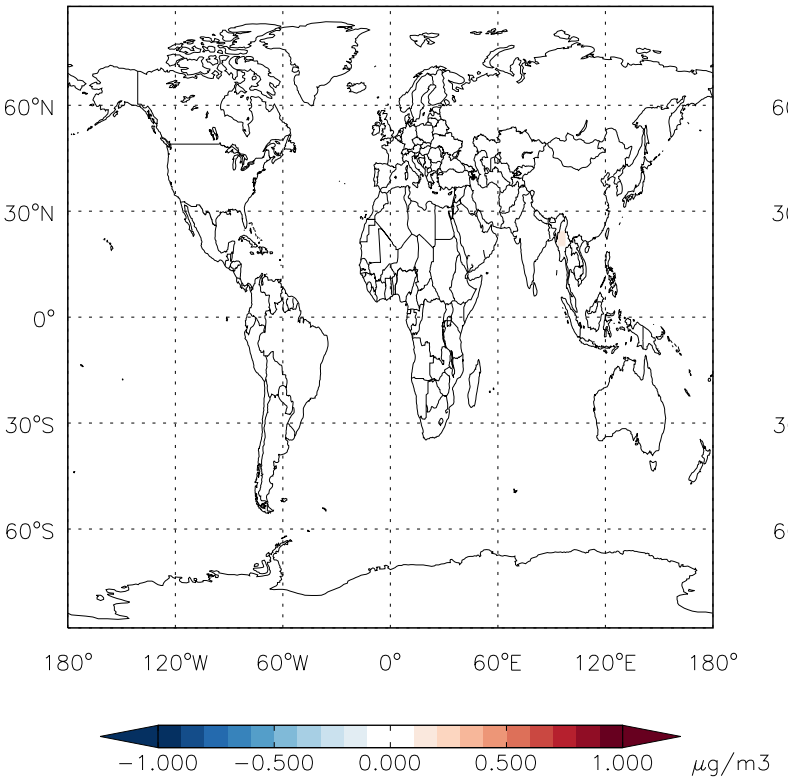
NITs− Diff @ 500 hPa for Apr



GEOS−Chem Difference Maps at surface and 500 hPa

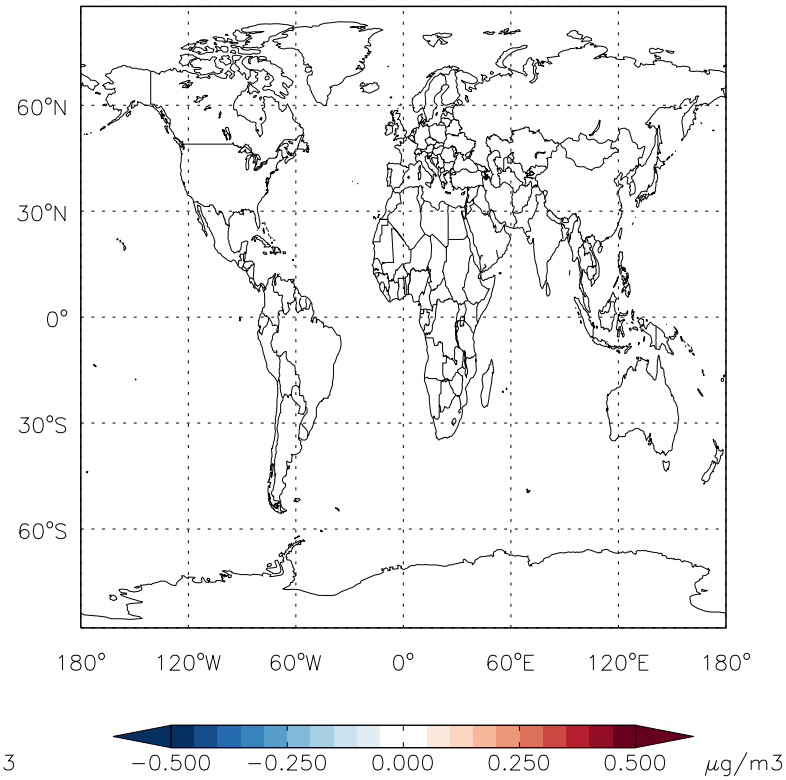
v11−01d−Run1 − v11−01b−Run0

BCPI − Diff @ Surface for Apr



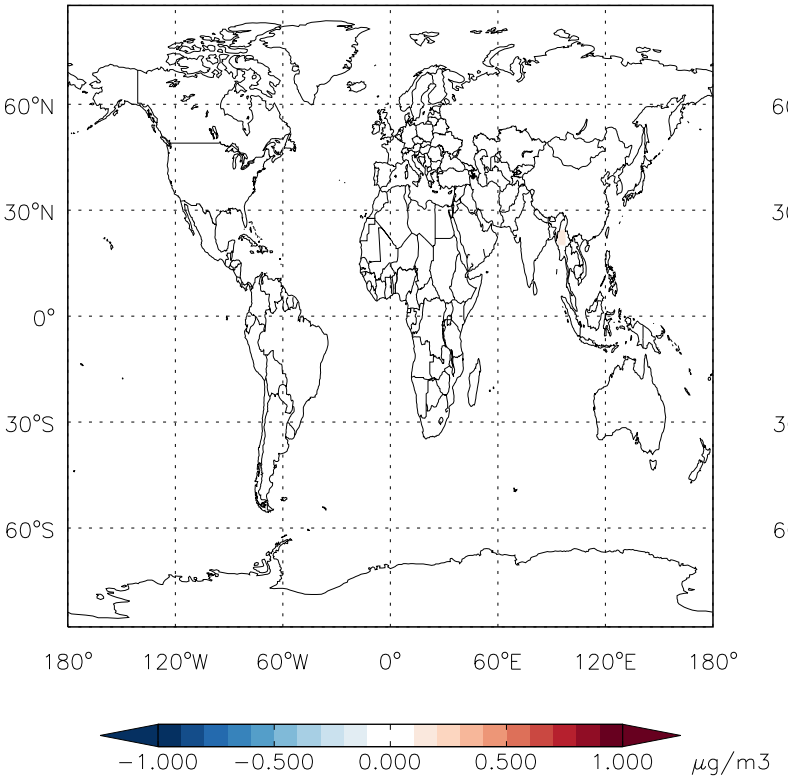
v11−01d−Run1 − v11−01b−Run0

BCPI− Diff @ 500 hPa for Apr



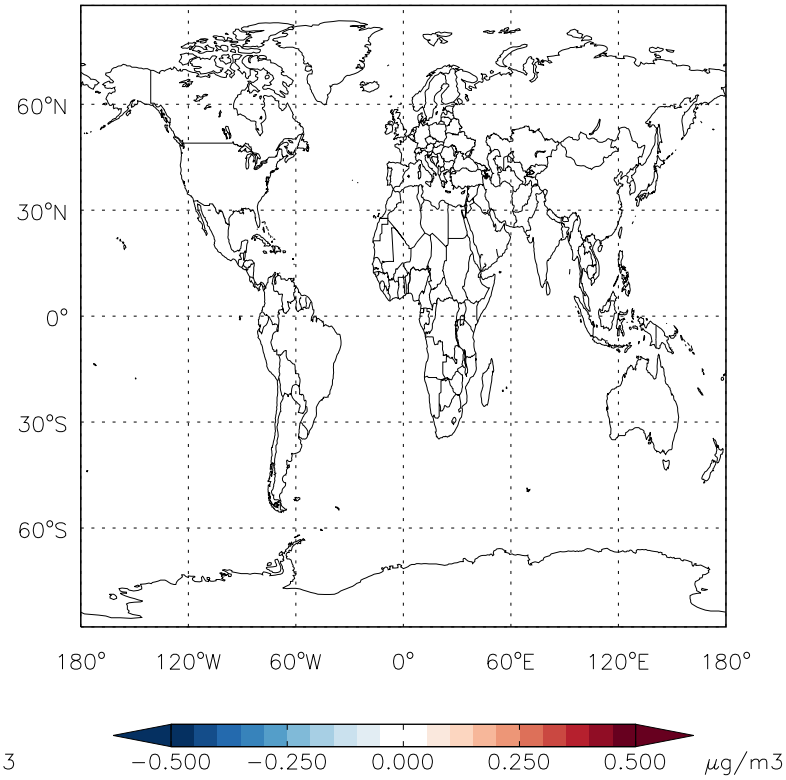
v11−01d−Run1 − v10−01−public−Run0

BCPI − Diff @ Surface for Apr



v11−01d−Run1 − v10−01−public−Run0

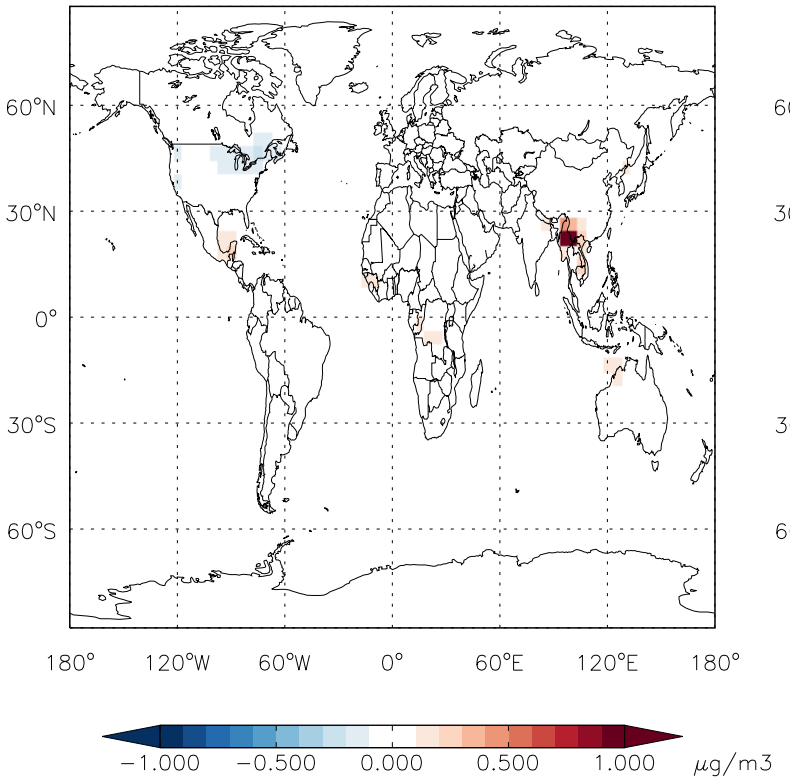
BCPI− Diff @ 500 hPa for Apr



GEOS−Chem Difference Maps at surface and 500 hPa

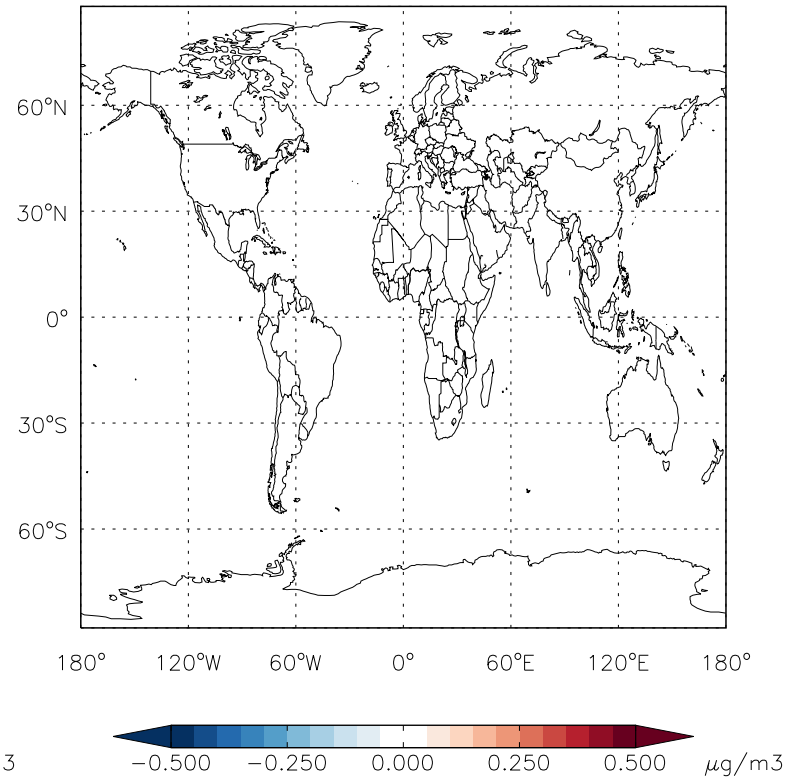
v11−01d−Run1 − v11−01b−Run0

OCPI − Diff @ Surface for Apr



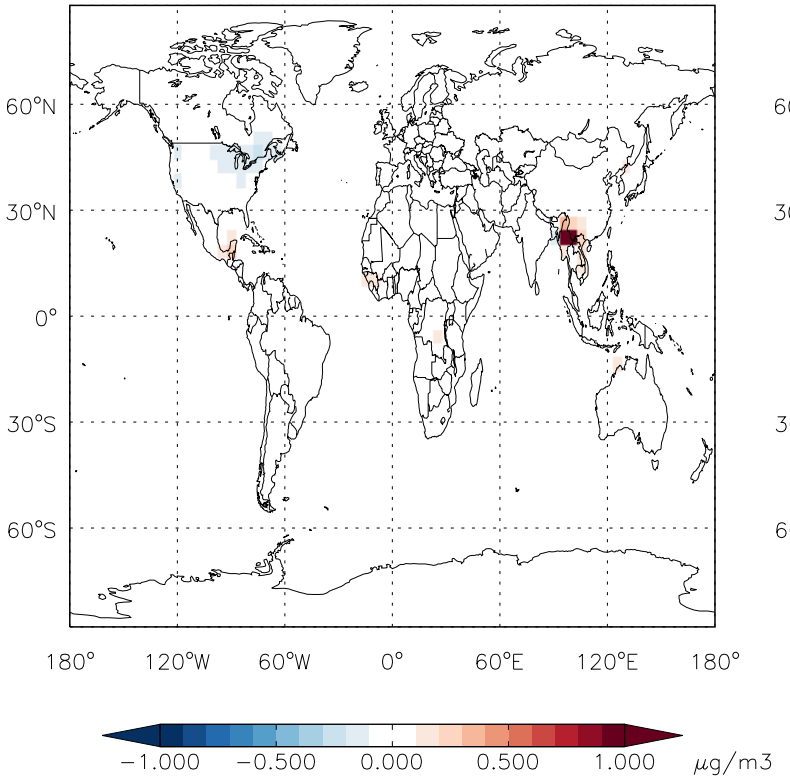
v11−01d−Run1 − v11−01b−Run0

OCPI− Diff @ 500 hPa for Apr



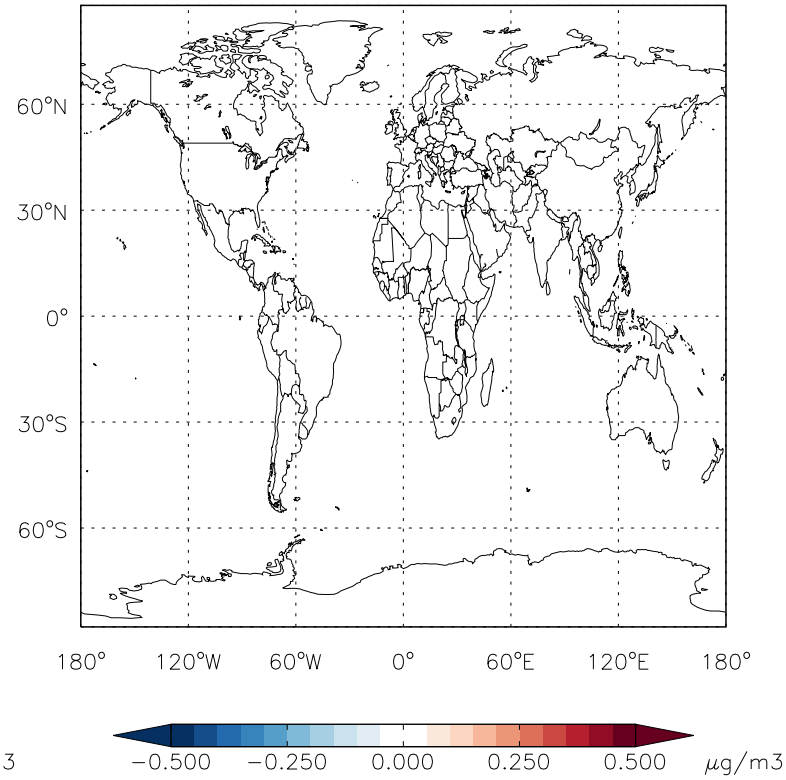
v11−01d−Run1 − v10−01−public−Run0

OCPI − Diff @ Surface for Apr



v11−01d−Run1 − v10−01−public−Run0

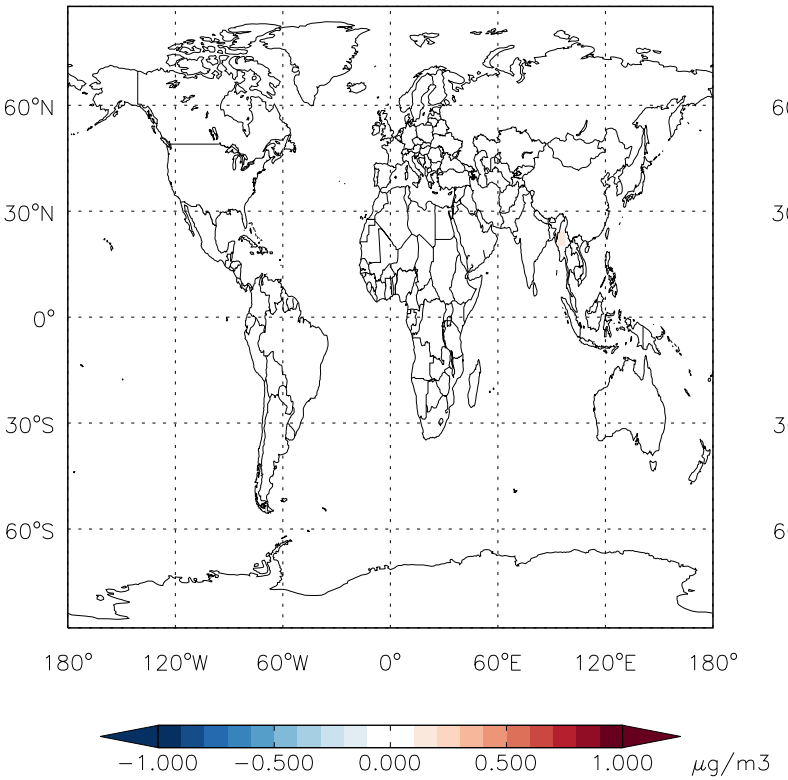
OCPI− Diff @ 500 hPa for Apr



GEOS−Chem Difference Maps at surface and 500 hPa

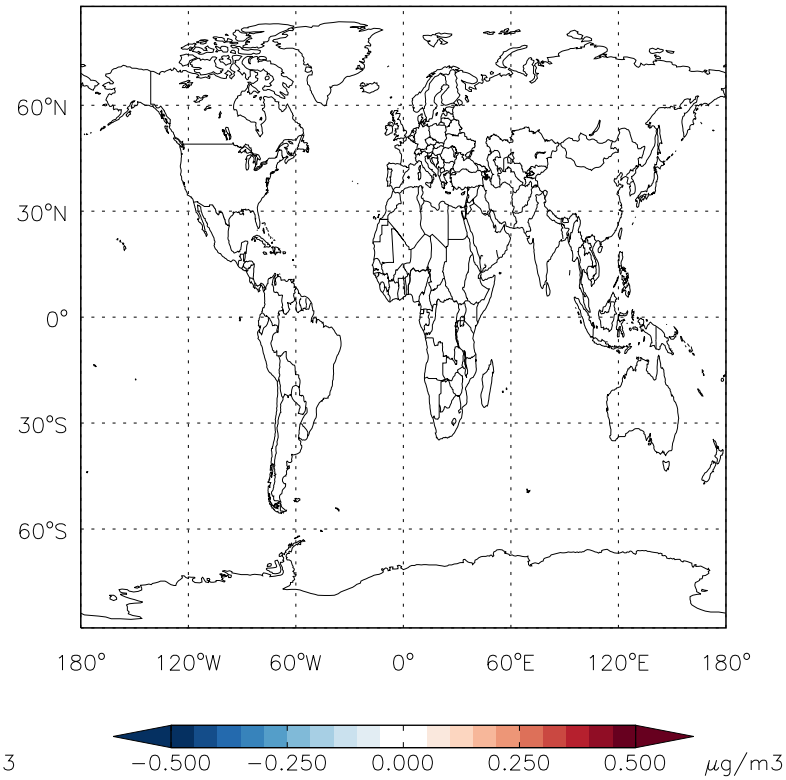
v11−01d−Run1 − v11−01b−Run0

BCPO − Diff @ Surface for Apr



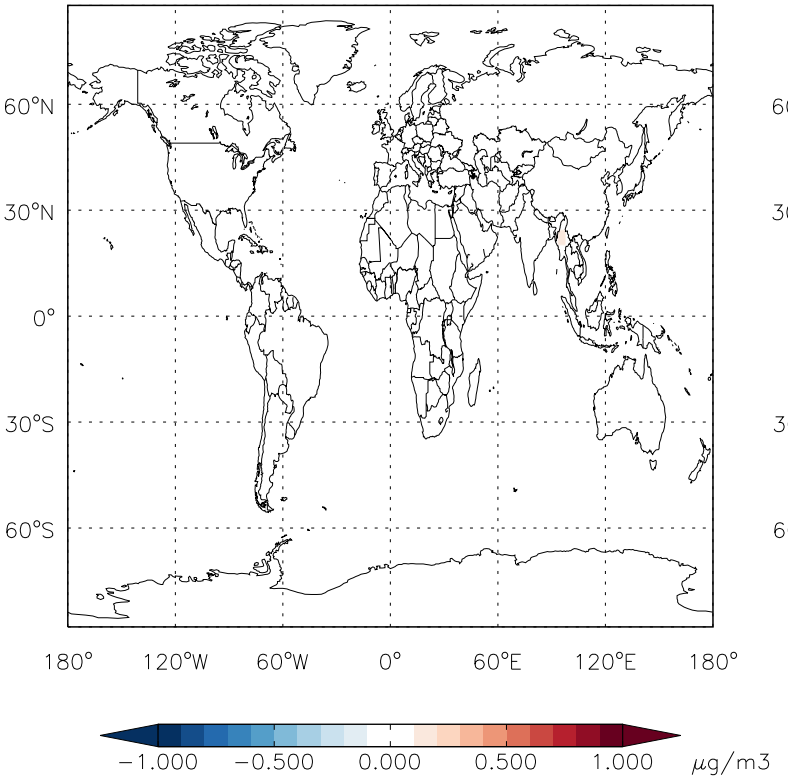
v11−01d−Run1 − v11−01b−Run0

BCPO− Diff @ 500 hPa for Apr



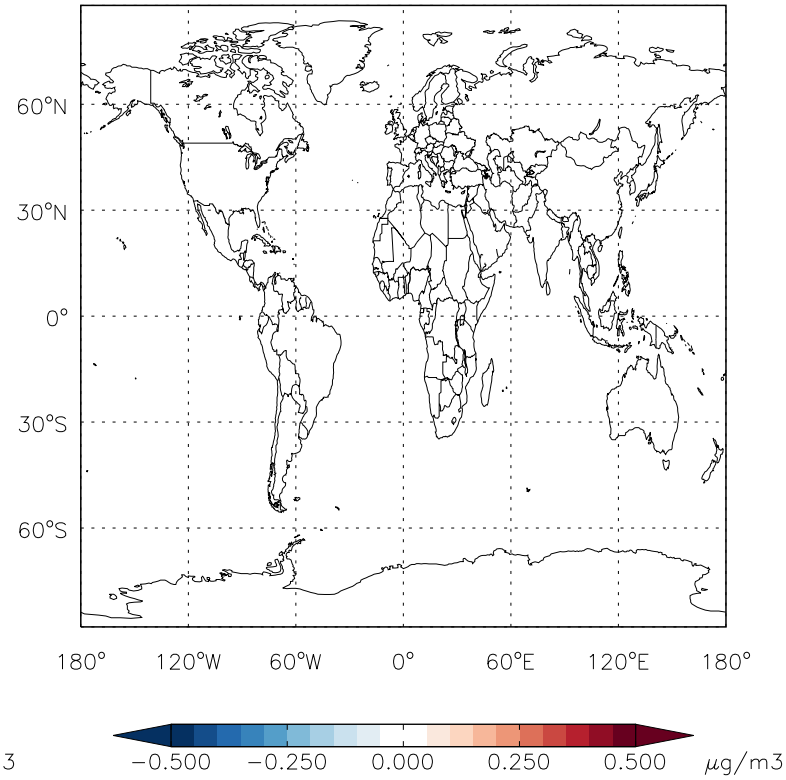
v11−01d−Run1 − v10−01−public−Run0

BCPO − Diff @ Surface for Apr



v11−01d−Run1 − v10−01−public−Run0

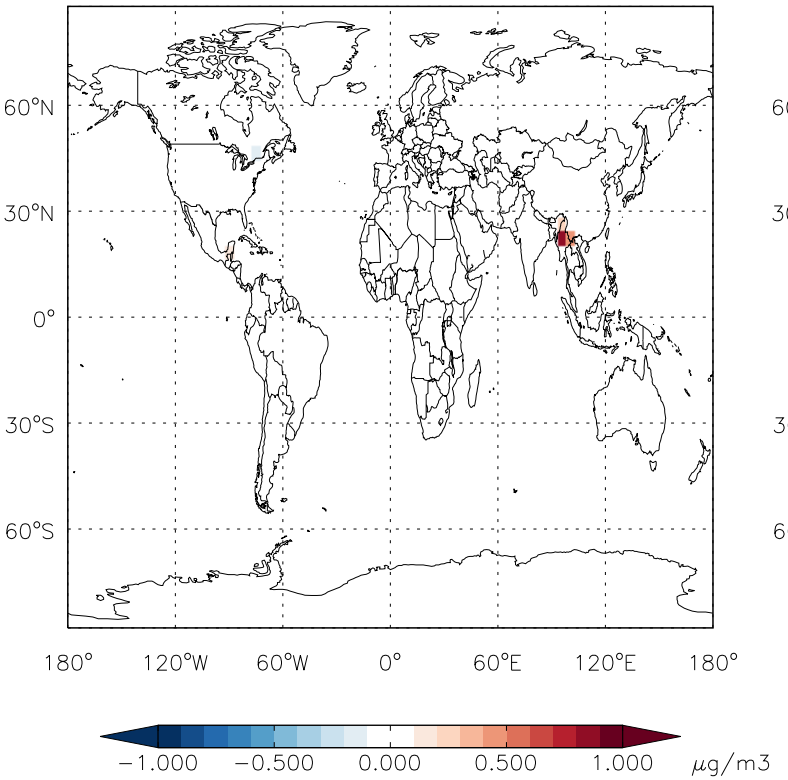
BCPO− Diff @ 500 hPa for Apr



GEOS−Chem Difference Maps at surface and 500 hPa

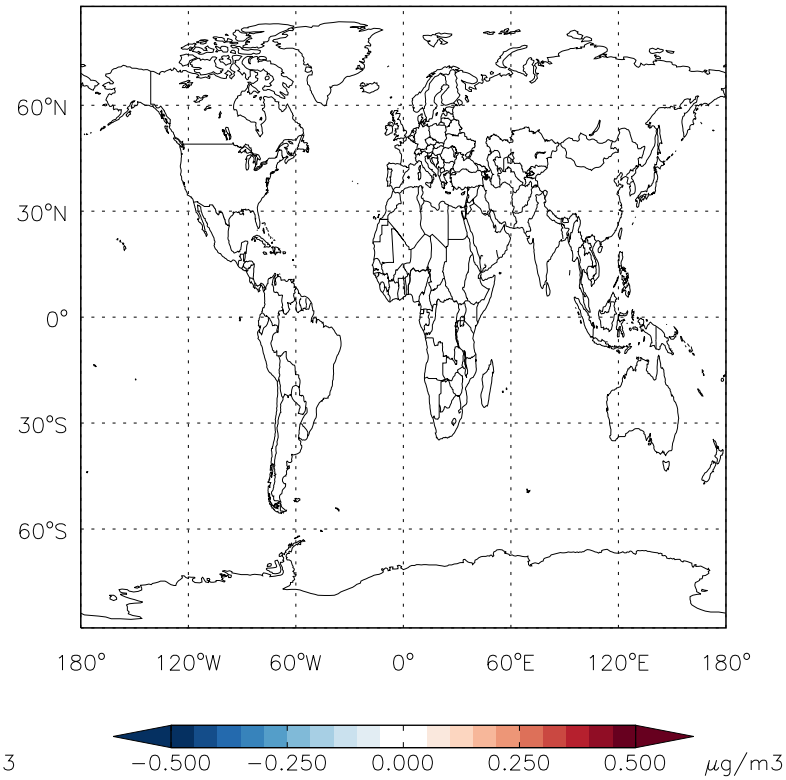
v11−01d−Run1 − v11−01b−Run0

OCPO − Diff @ Surface for Apr



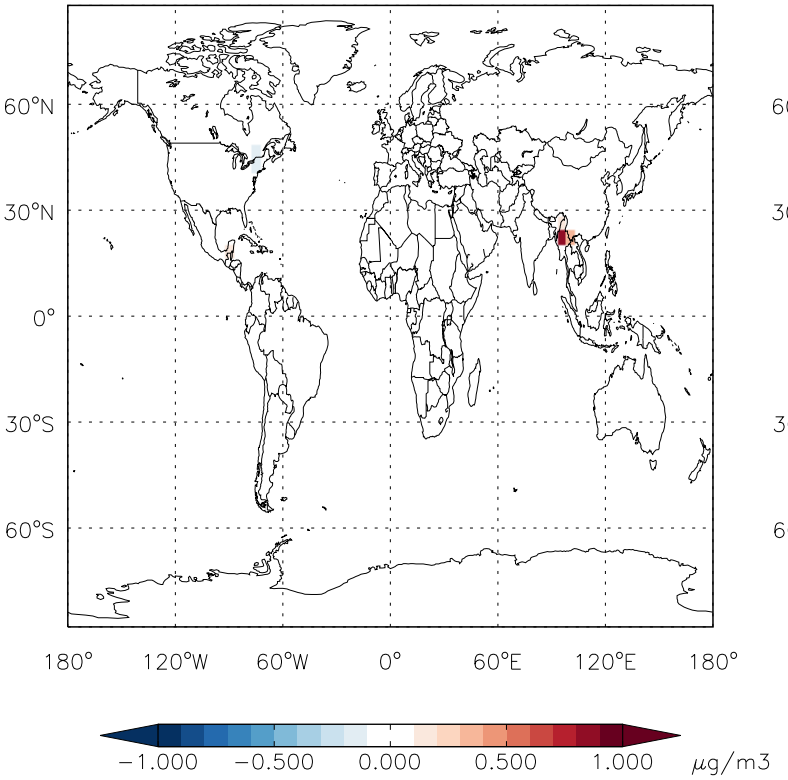
v11−01d−Run1 − v11−01b−Run0

OCPO− Diff @ 500 hPa for Apr



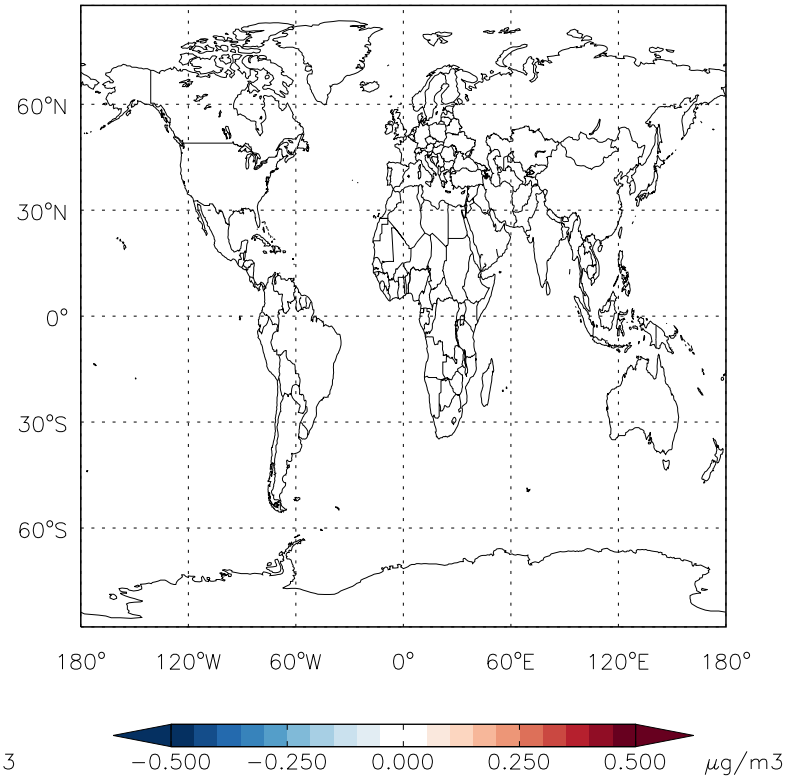
v11−01d−Run1 − v10−01−public−Run0

OCPO − Diff @ Surface for Apr



v11−01d−Run1 − v10−01−public−Run0

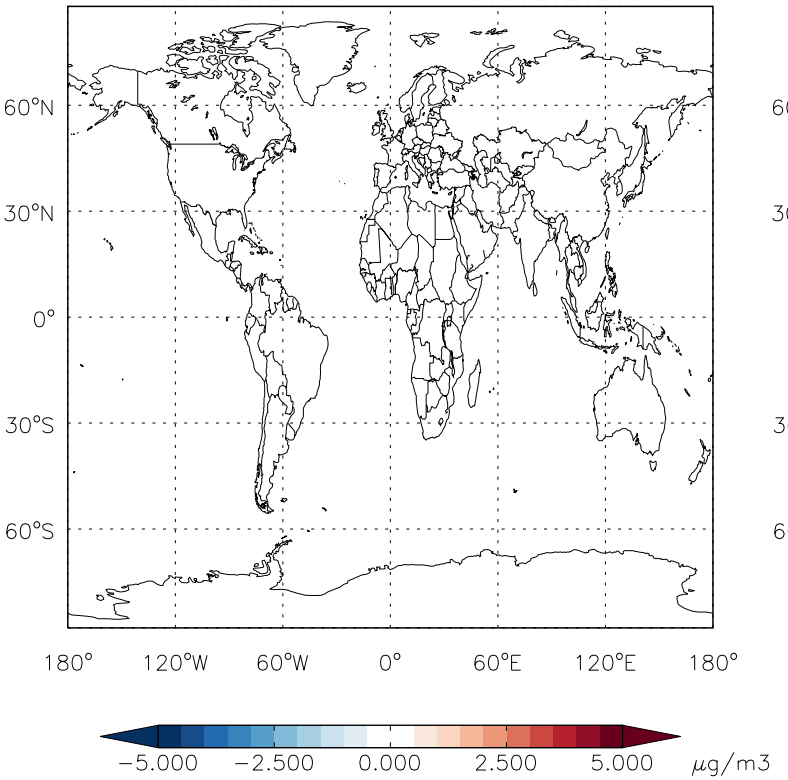
OCPO− Diff @ 500 hPa for Apr



GEOS−Chem Difference Maps at surface and 500 hPa

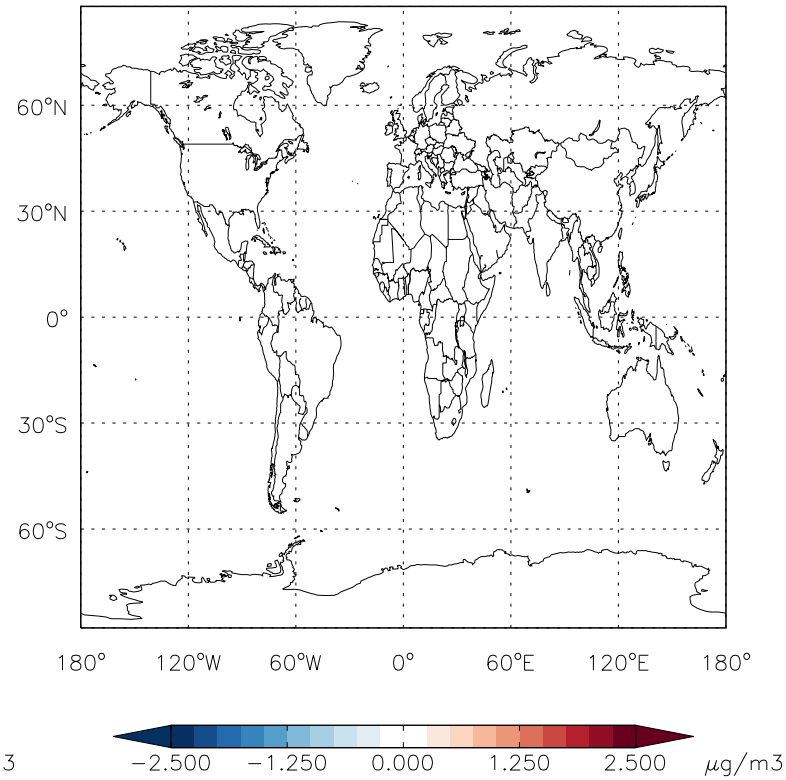
v11−01d−Run1 − v11−01b−Run0

DST1 − Diff @ Surface for Apr



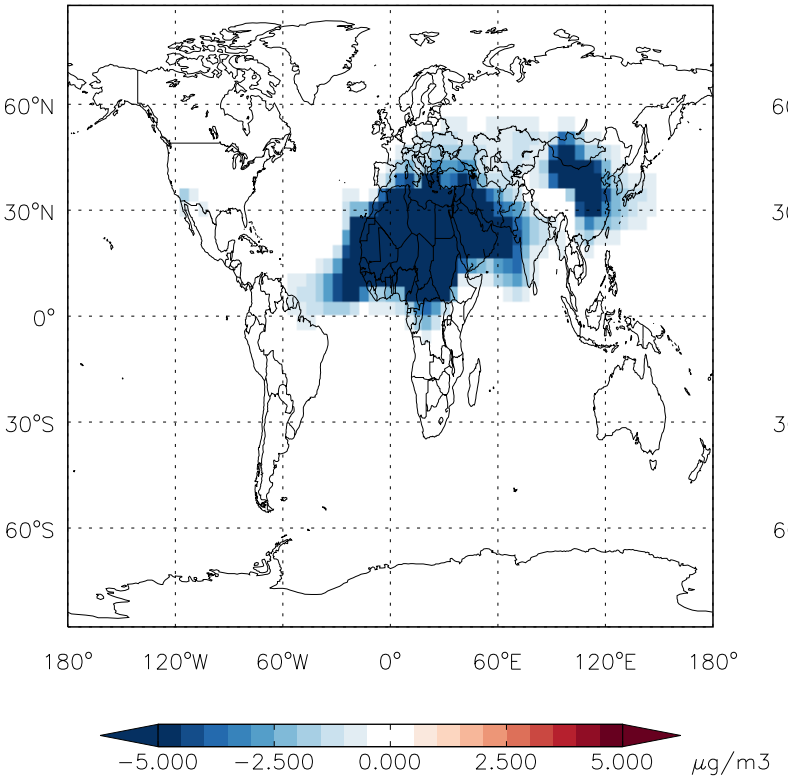
v11−01d−Run1 − v11−01b−Run0

DST1− Diff @ 500 hPa for Apr



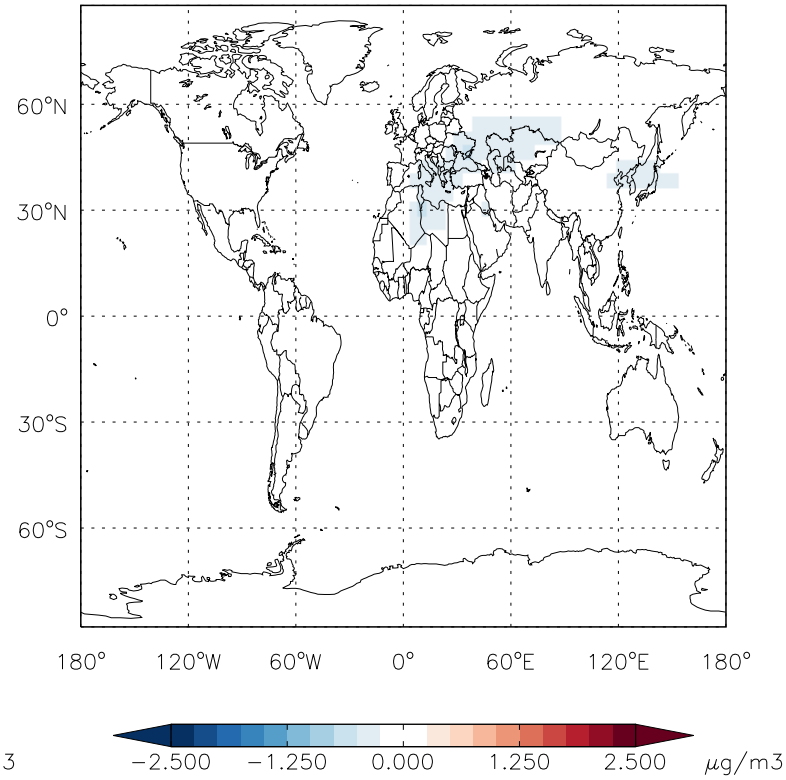
v11−01d−Run1 − v10−01−public−Run0

DST1 − Diff @ Surface for Apr



v11−01d−Run1 − v10−01−public−Run0

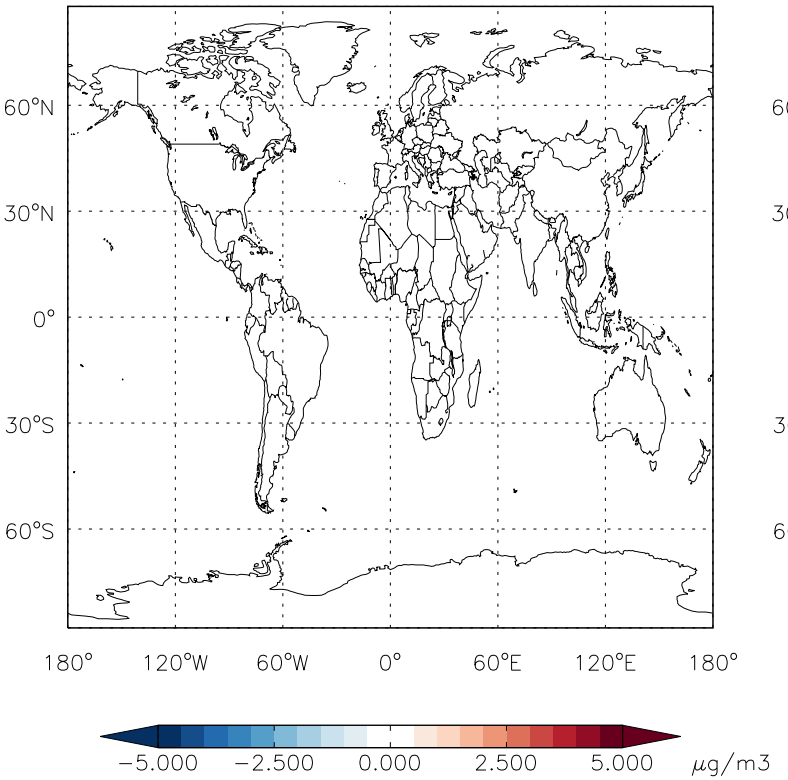
DST1− Diff @ 500 hPa for Apr



GEOS−Chem Difference Maps at surface and 500 hPa

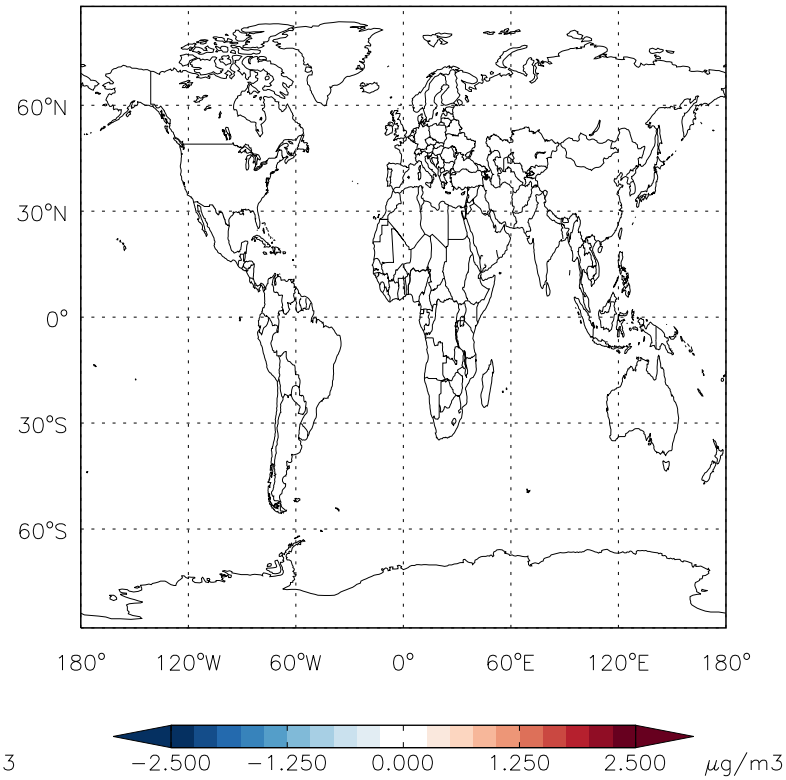
v11−01d−Run1 − v11−01b−Run0

DST2 − Diff @ Surface for Apr



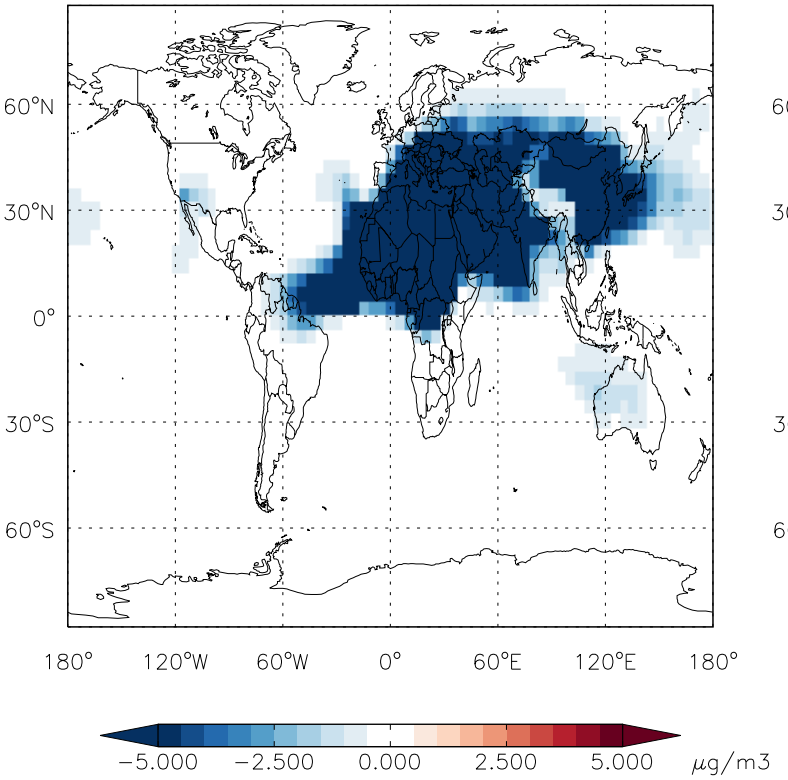
v11−01d−Run1 − v11−01b−Run0

DST2− Diff @ 500 hPa for Apr



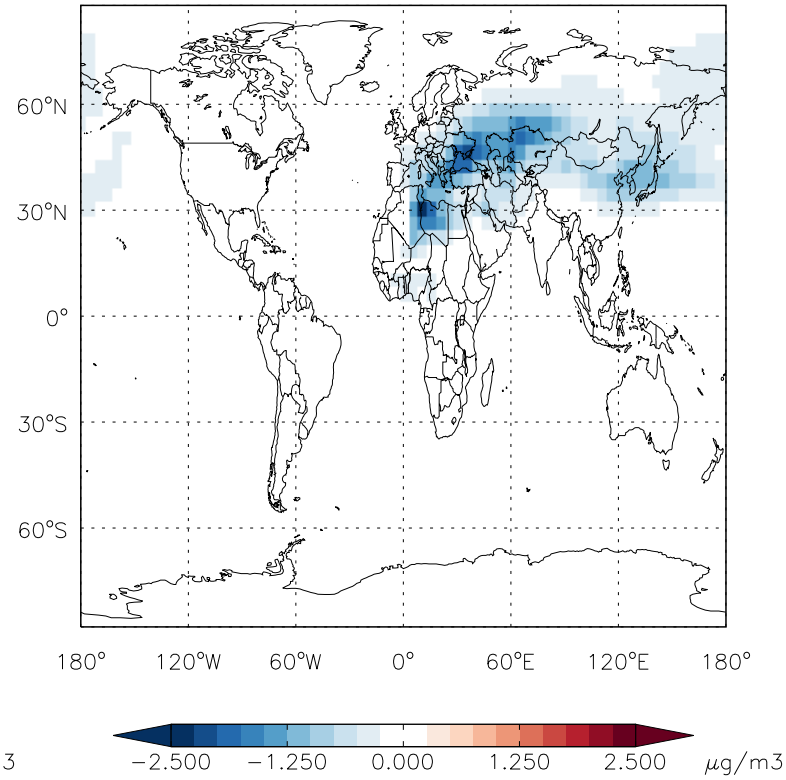
v11−01d−Run1 − v10−01−public−Run0

DST2 − Diff @ Surface for Apr



v11−01d−Run1 − v10−01−public−Run0

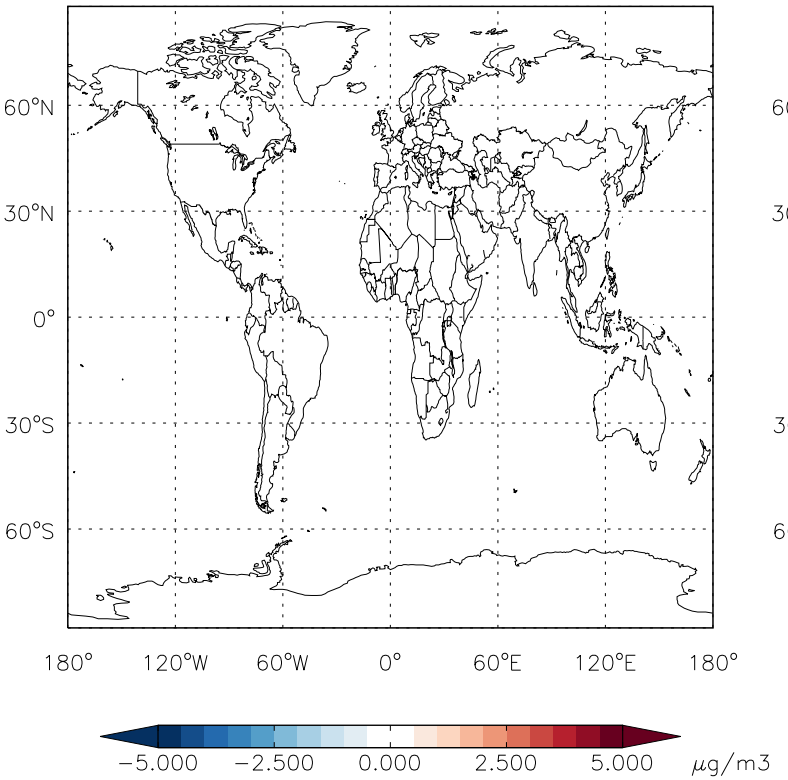
DST2− Diff @ 500 hPa for Apr



GEOS−Chem Difference Maps at surface and 500 hPa

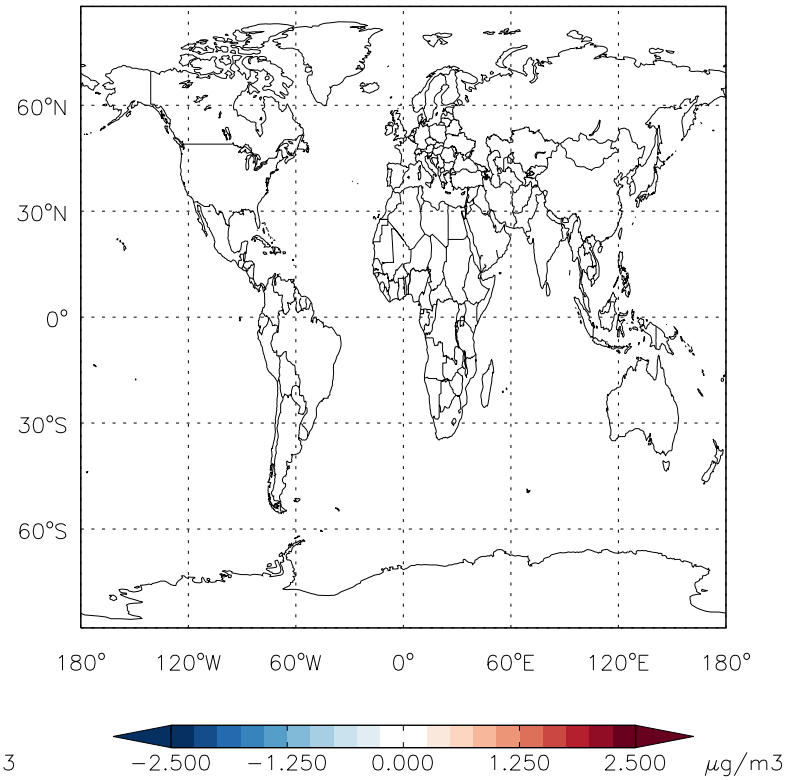
v11−01d−Run1 − v11−01b−Run0

DST3 − Diff @ Surface for Apr



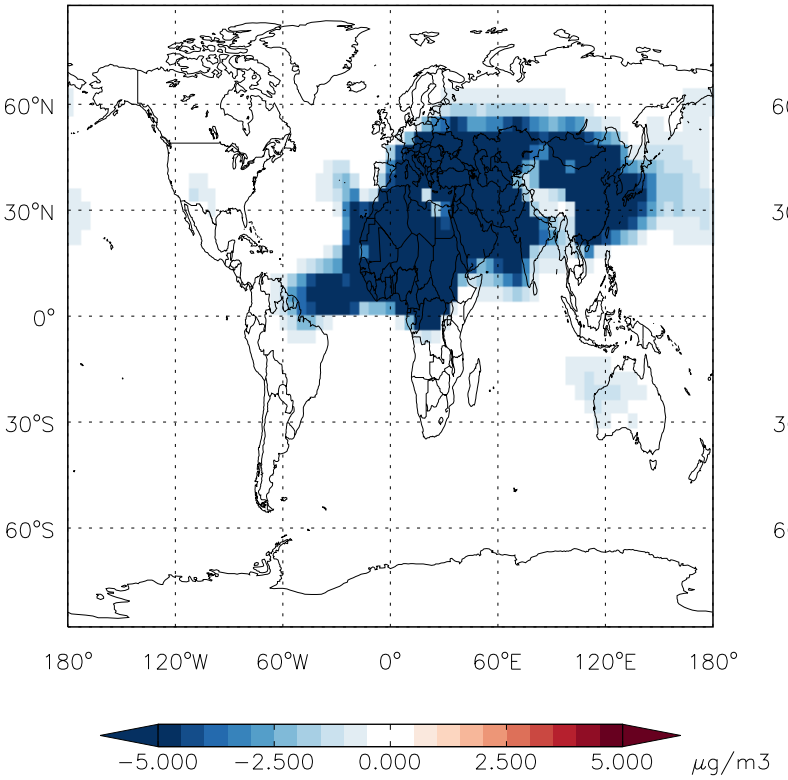
v11−01d−Run1 − v11−01b−Run0

DST3− Diff @ 500 hPa for Apr



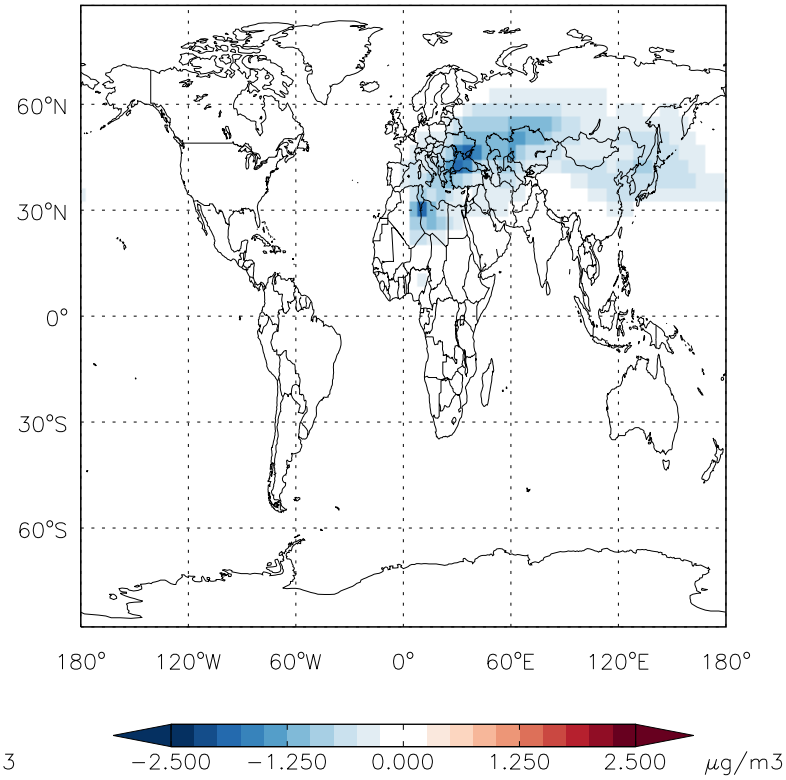
v11−01d−Run1 − v10−01−public−Run0

DST3 − Diff @ Surface for Apr



v11−01d−Run1 − v10−01−public−Run0

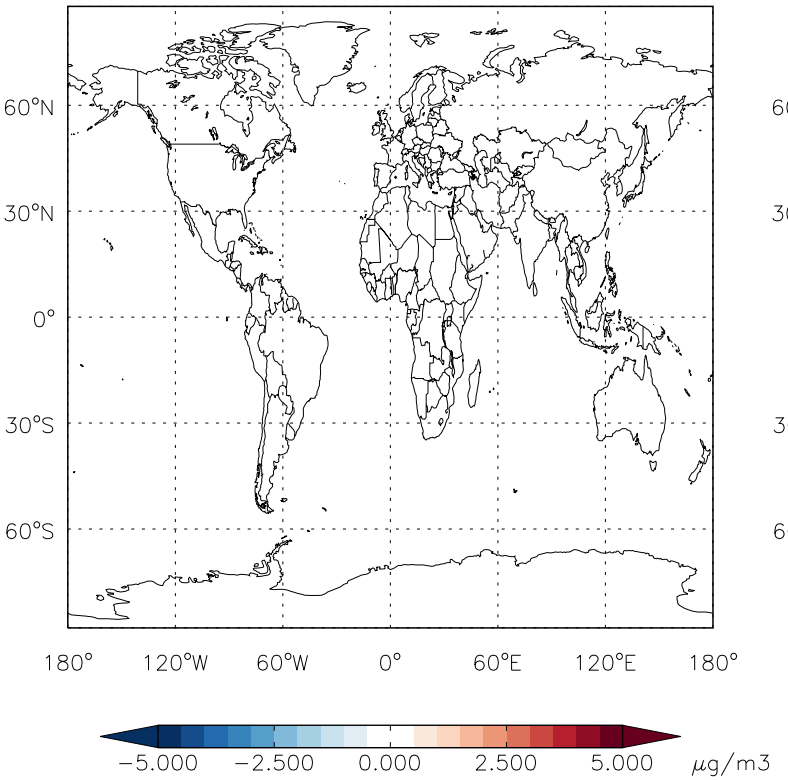
DST3− Diff @ 500 hPa for Apr



GEOS–Chem Difference Maps at surface and 500 hPa

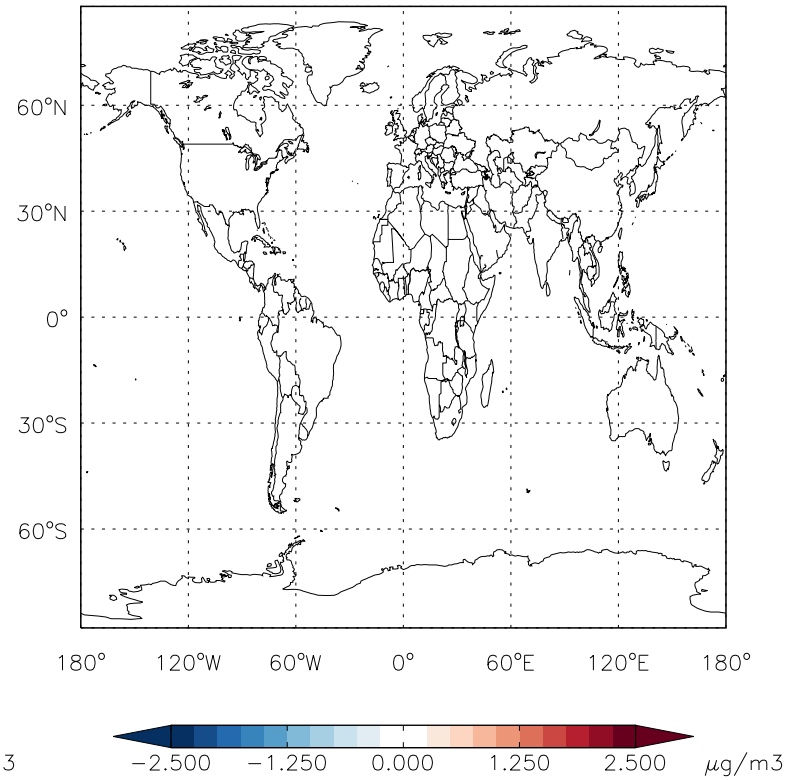
v11–01d–Run1 – v11–01b–Run0

DST4 – Diff @ Surface for Apr



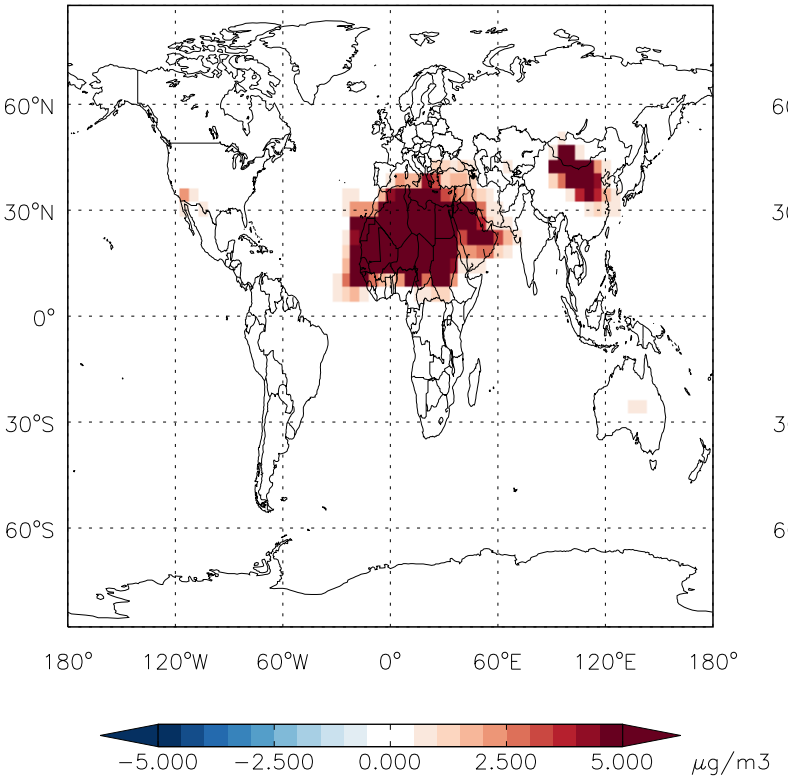
v11–01d–Run1 – v11–01b–Run0

DST4– Diff @ 500 hPa for Apr



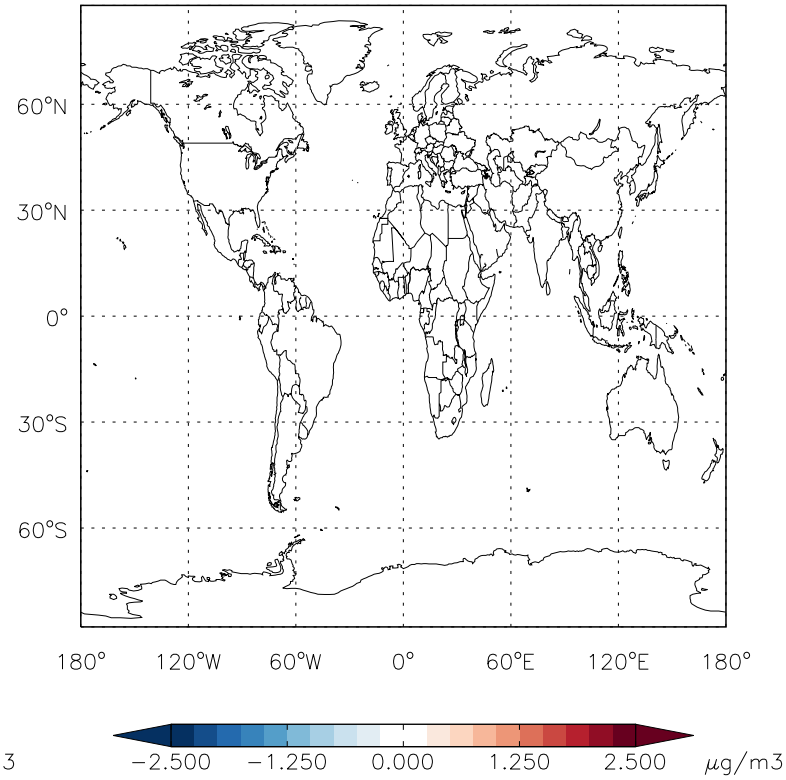
v11–01d–Run1 – v10–01–public–Run0

DST4 – Diff @ Surface for Apr



v11–01d–Run1 – v10–01–public–Run0

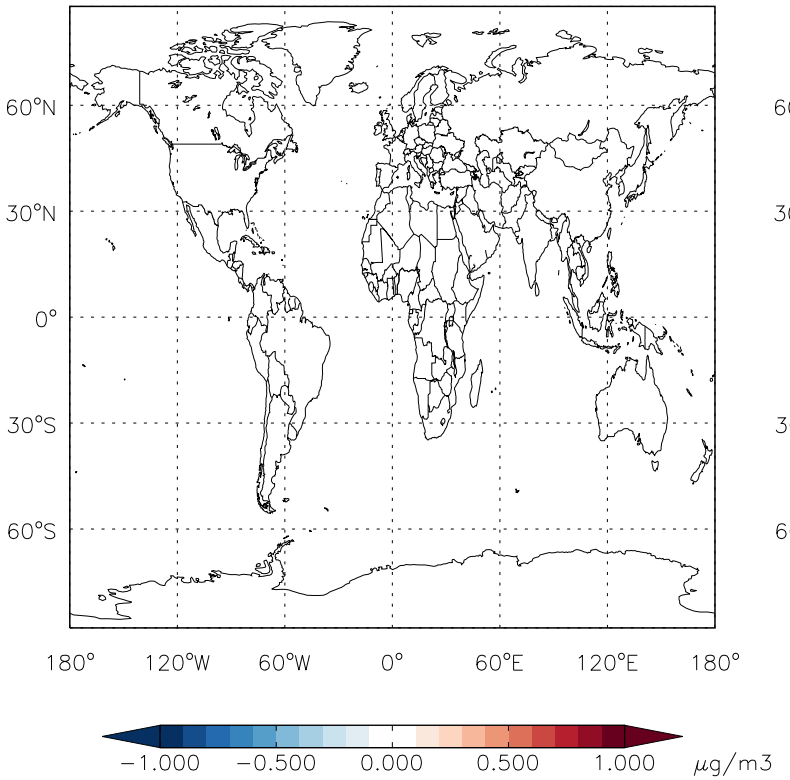
DST4– Diff @ 500 hPa for Apr



GEOS−Chem Difference Maps at surface and 500 hPa

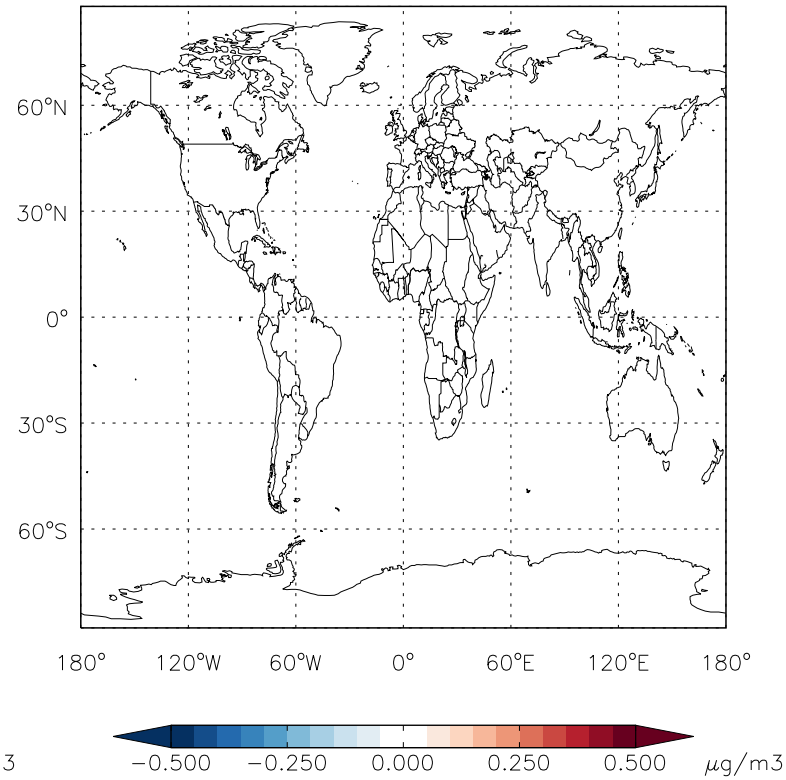
v11−01d−Run1 − v11−01b−Run0

SALA − Diff @ Surface for Apr



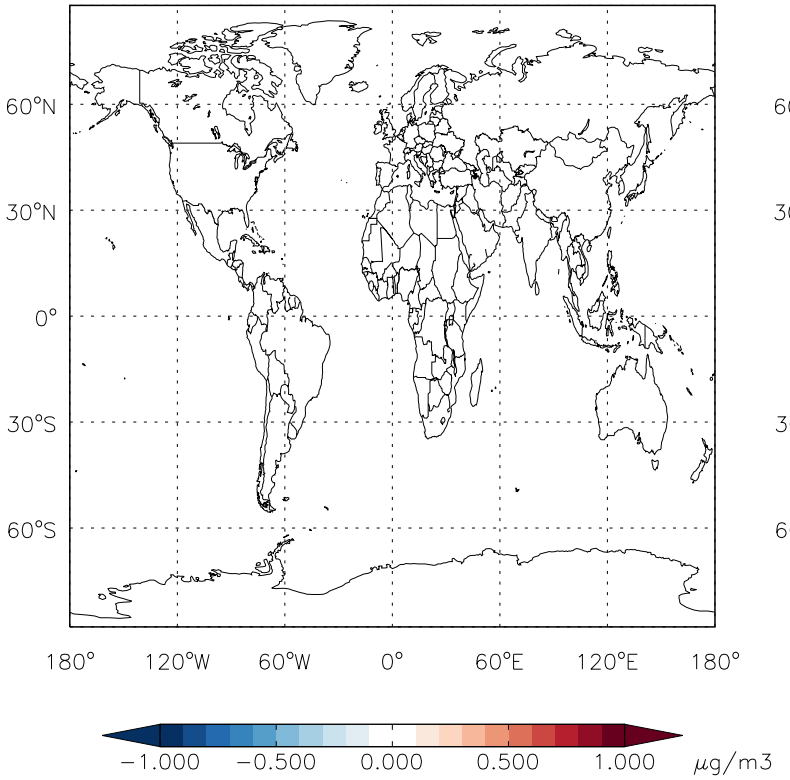
v11−01d−Run1 − v11−01b−Run0

SALA− Diff @ 500 hPa for Apr



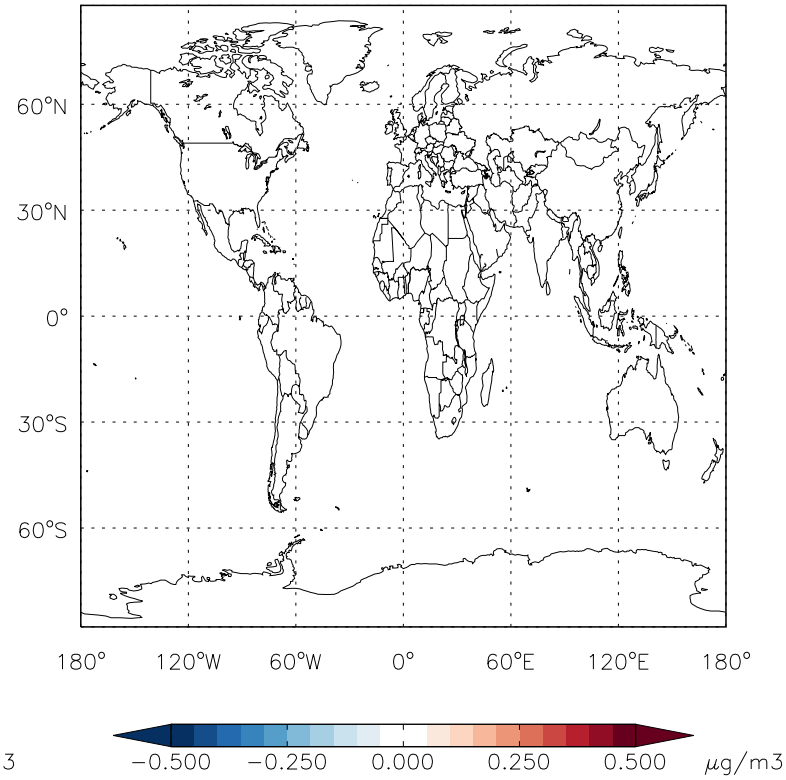
v11−01d−Run1 − v10−01−public−Run0

SALA − Diff @ Surface for Apr



v11−01d−Run1 − v10−01−public−Run0

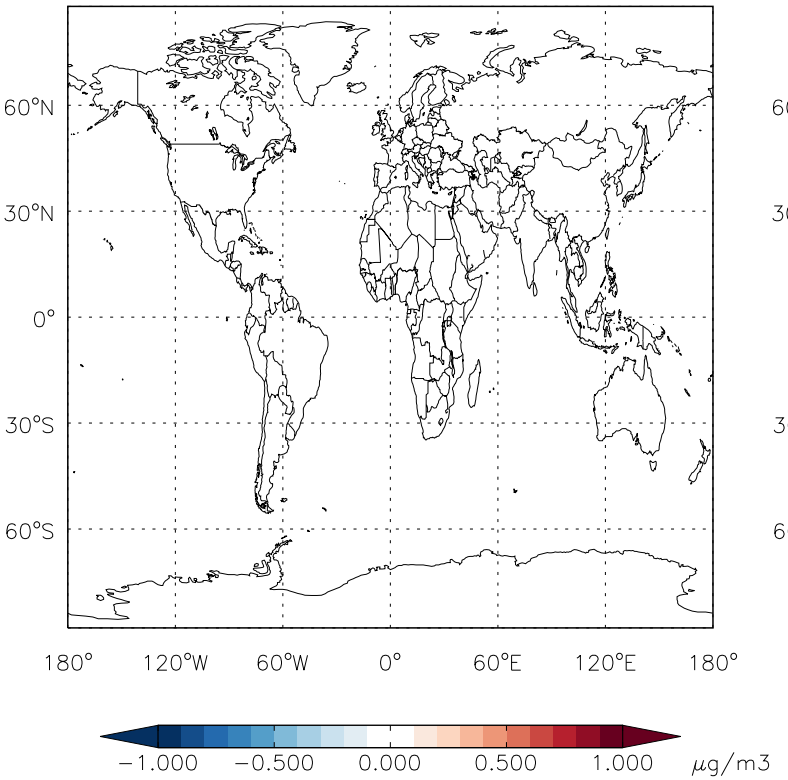
SALA− Diff @ 500 hPa for Apr



GEOS−Chem Difference Maps at surface and 500 hPa

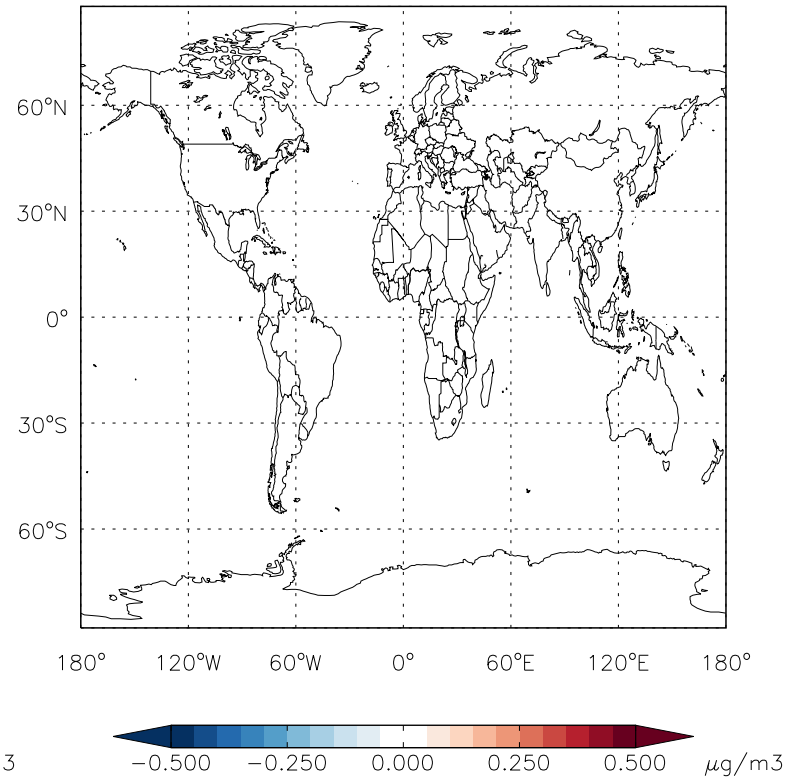
v11−01d−Run1 − v11−01b−Run0

SALC − Diff @ Surface for Apr



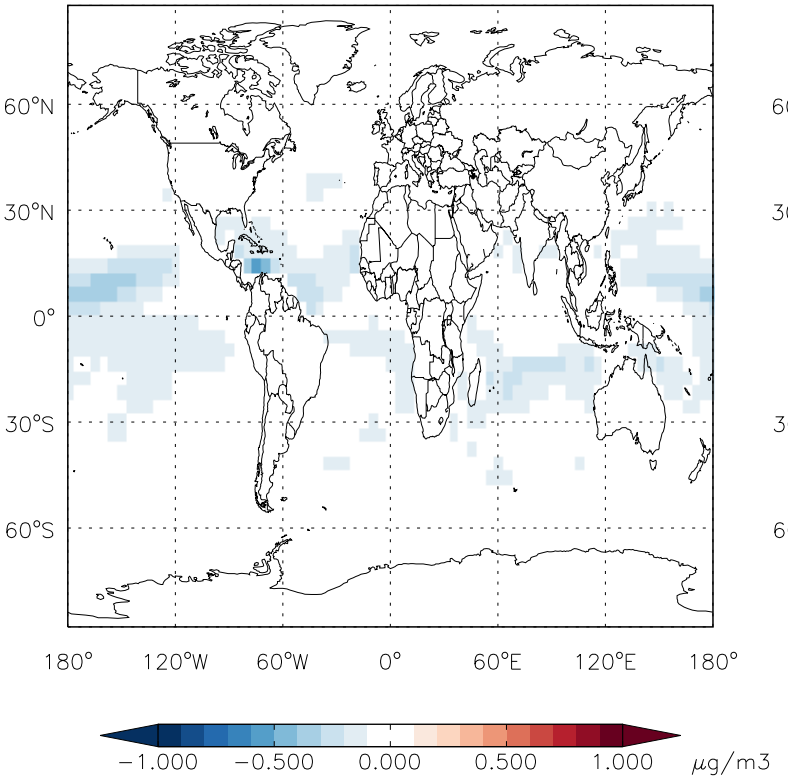
v11−01d−Run1 − v11−01b−Run0

SALC− Diff @ 500 hPa for Apr



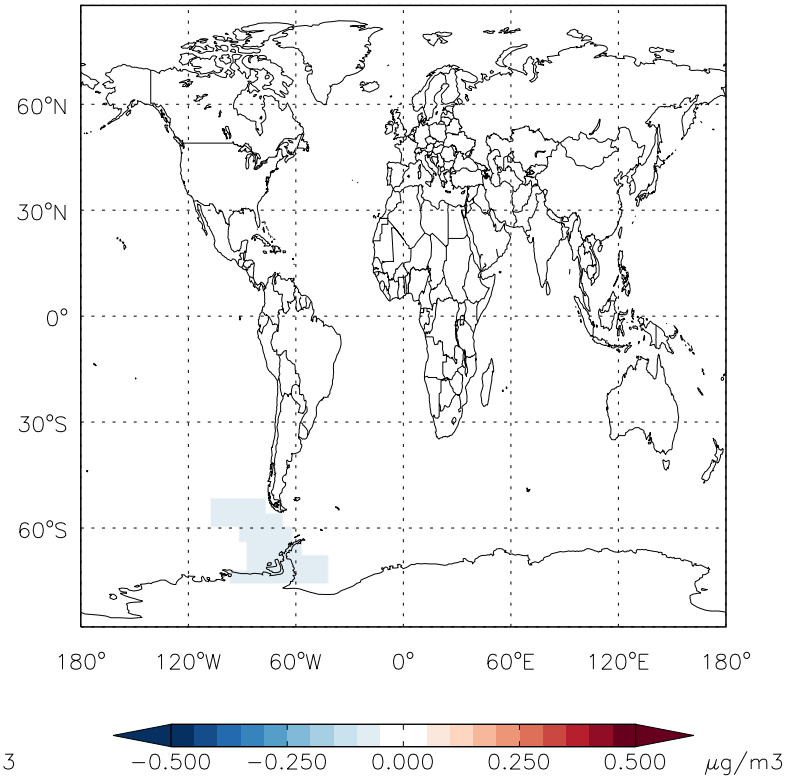
v11−01d−Run1 − v10−01−public−Run0

SALC − Diff @ Surface for Apr



v11−01d−Run1 − v10−01−public−Run0

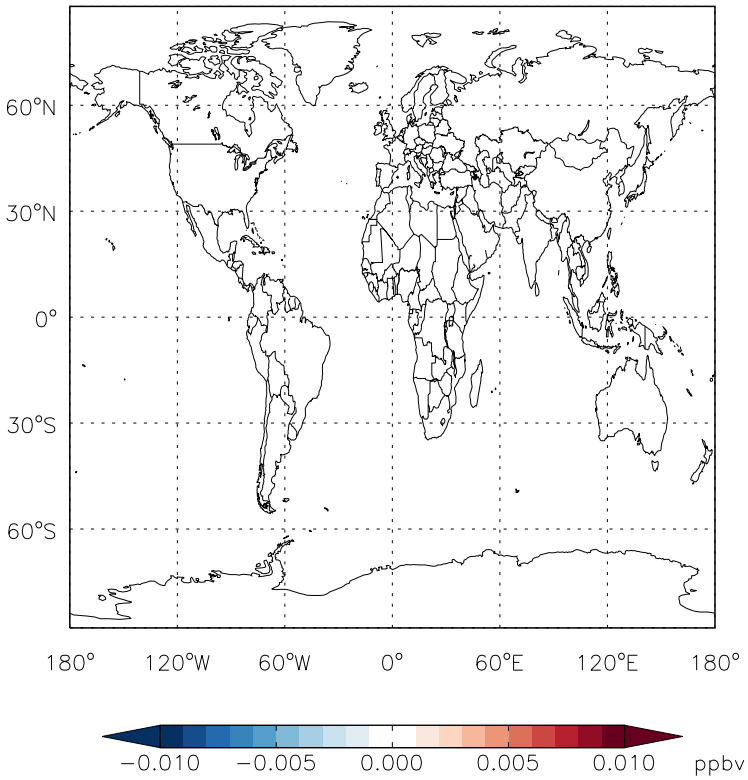
SALC− Diff @ 500 hPa for Apr



GEOS-Chem Difference Maps at surface and 500 hPa

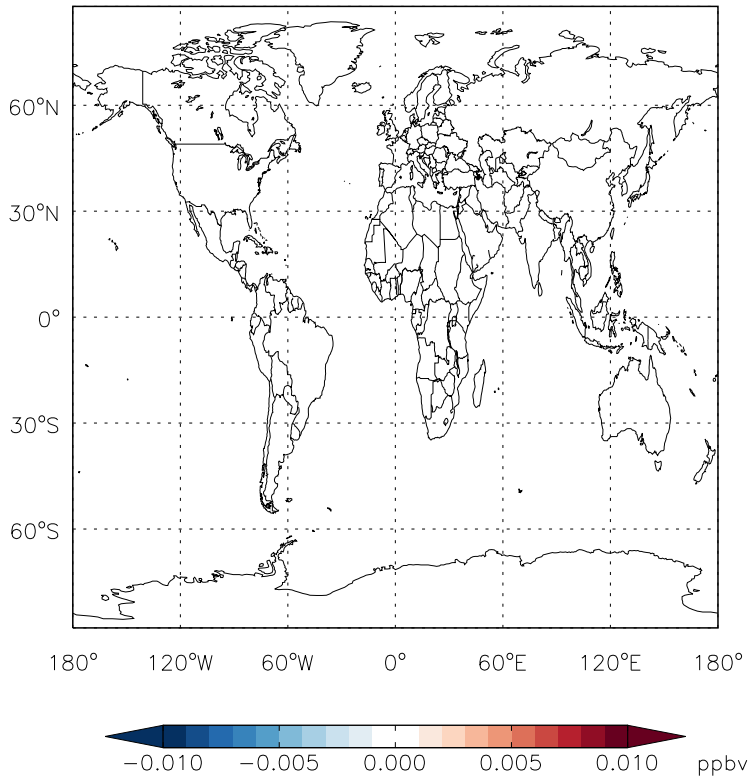
v11-01d-Run1 - v11-01b-Run0

Br2 - Diff @ Surface for Apr



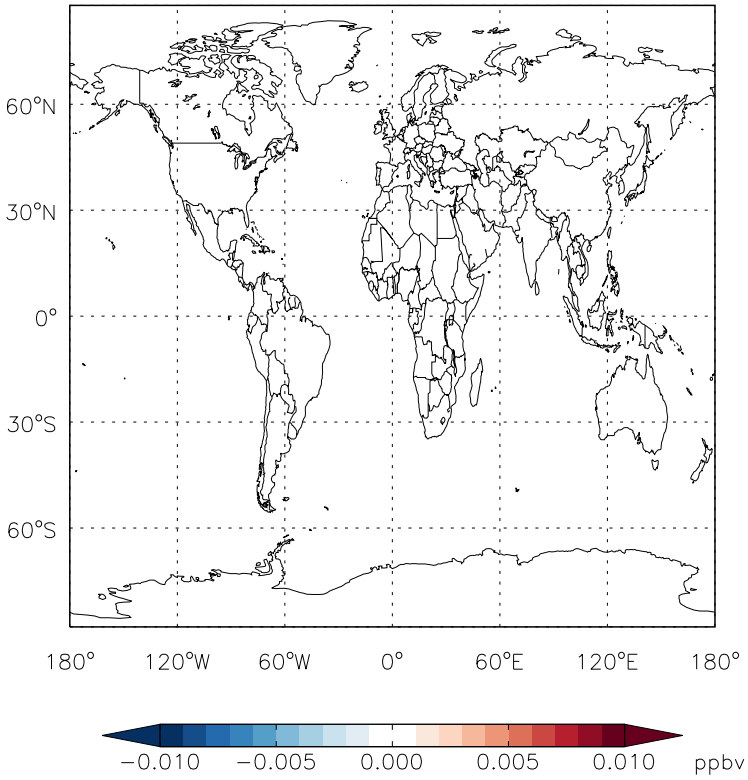
v11-01d-Run1 - v11-01b-Run0

Br2- Diff @ 500 hPa for Apr



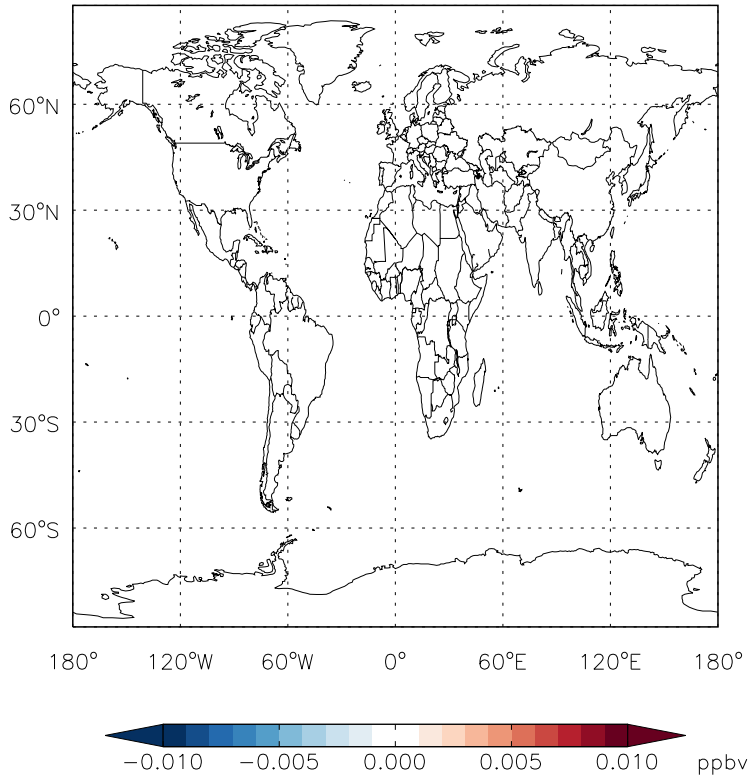
v11-01d-Run1 - v10-01-public-Run0

Br2 - Diff @ Surface for Apr



v11-01d-Run1 - v10-01-public-Run0

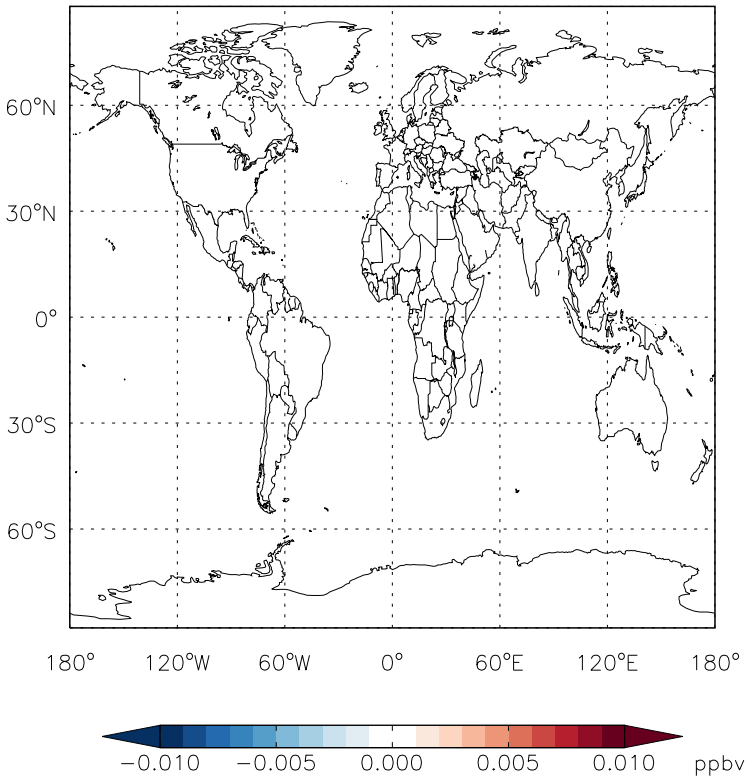
Br2- Diff @ 500 hPa for Apr



GEOS−Chem Difference Maps at surface and 500 hPa

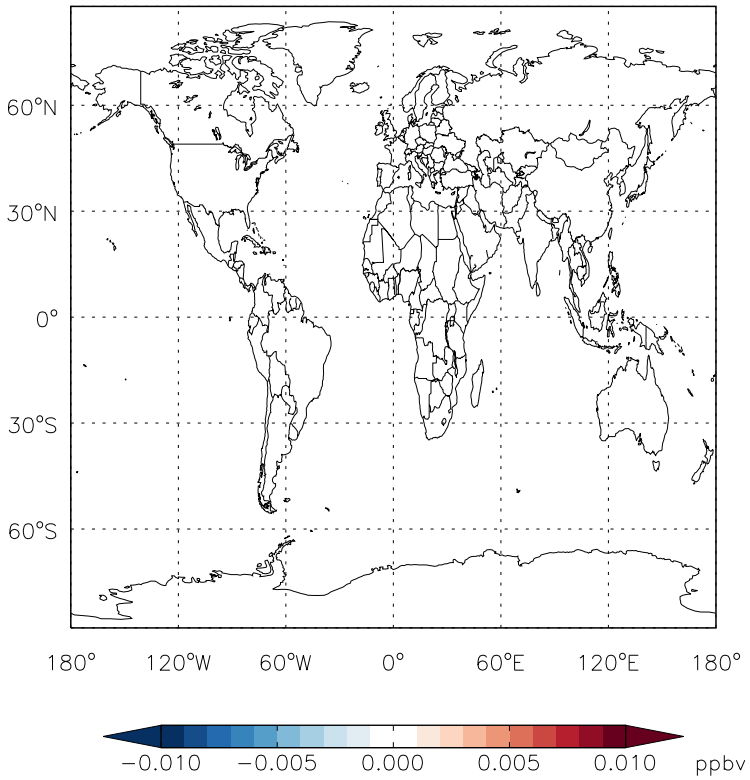
v11−01d−Run1 − v11−01b−Run0

Br − Diff @ Surface for Apr



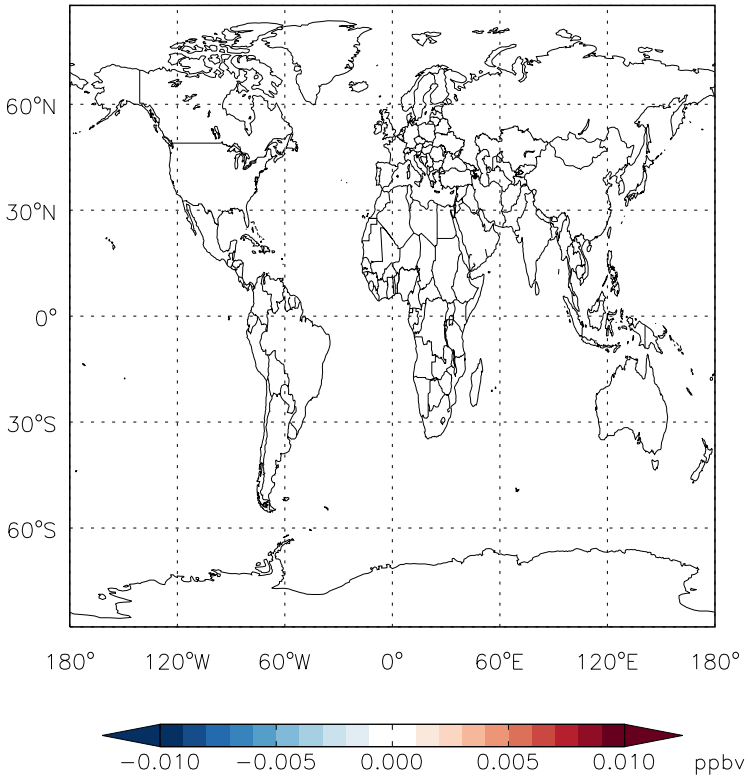
v11−01d−Run1 − v11−01b−Run0

Br− Diff @ 500 hPa for Apr



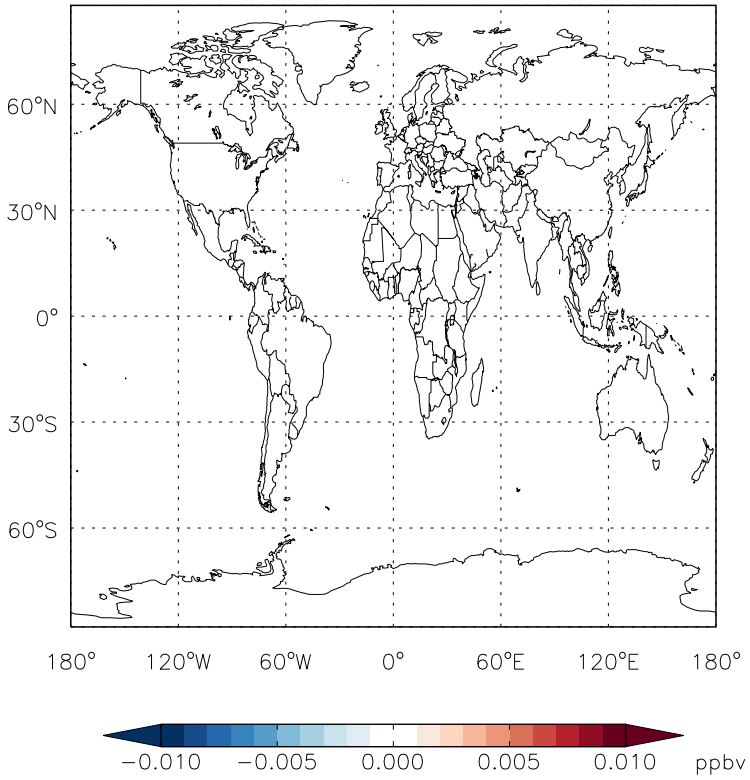
v11−01d−Run1 − v10−01−public−Run0

Br − Diff @ Surface for Apr



v11−01d−Run1 − v10−01−public−Run0

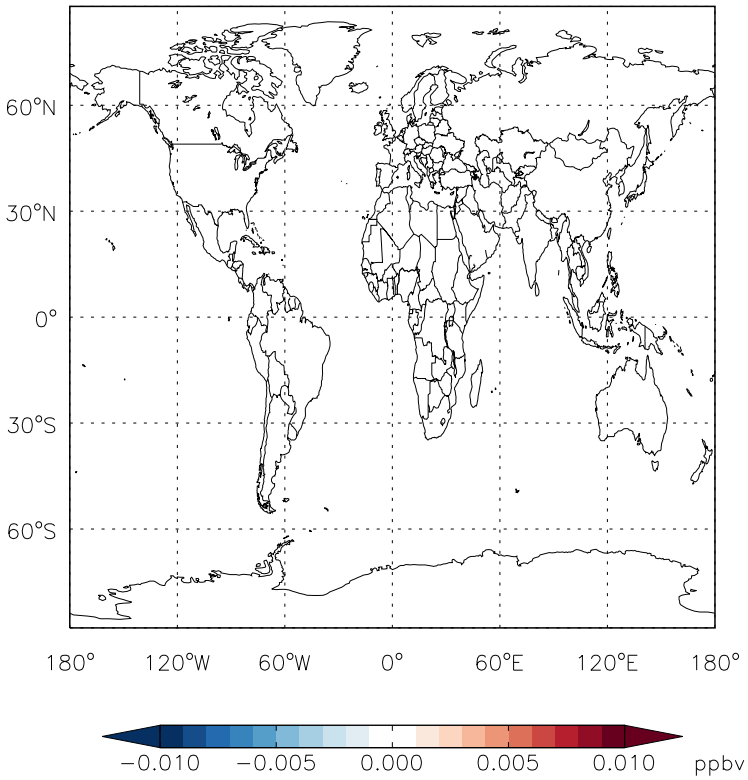
Br− Diff @ 500 hPa for Apr



GEOS−Chem Difference Maps at surface and 500 hPa

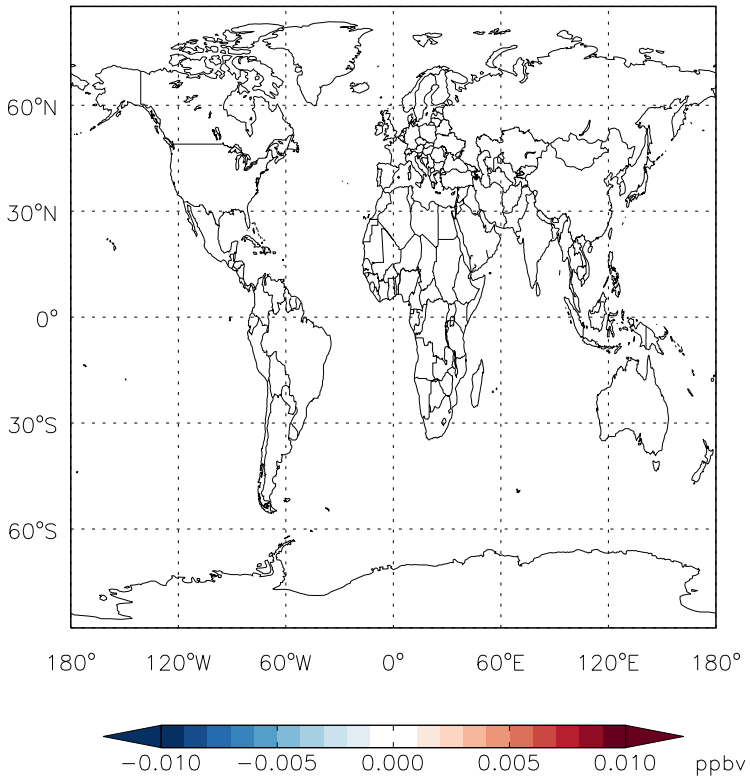
v11−01d−Run1 − v11−01b−Run0

BrO − Diff @ Surface for Apr



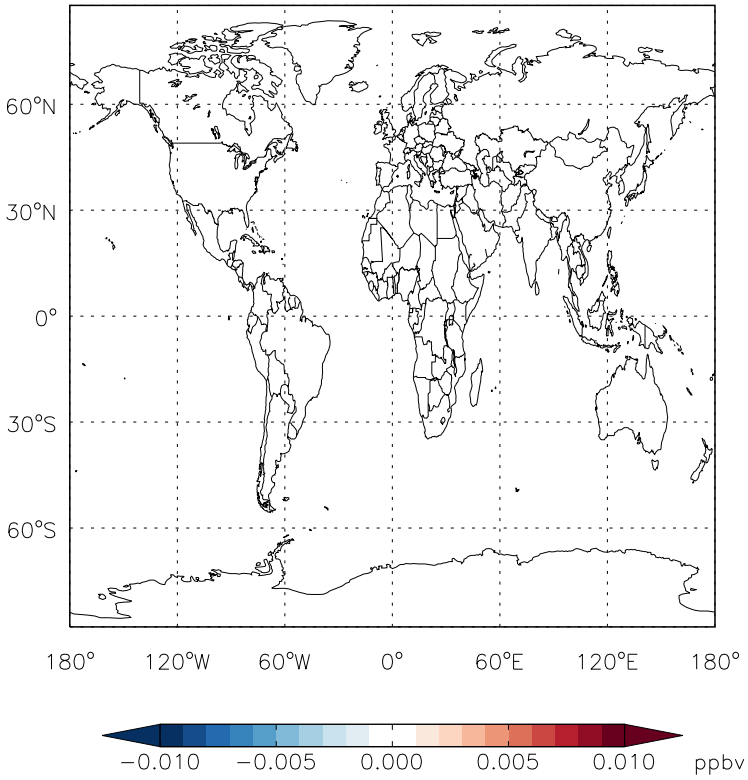
v11−01d−Run1 − v11−01b−Run0

BrO− Diff @ 500 hPa for Apr



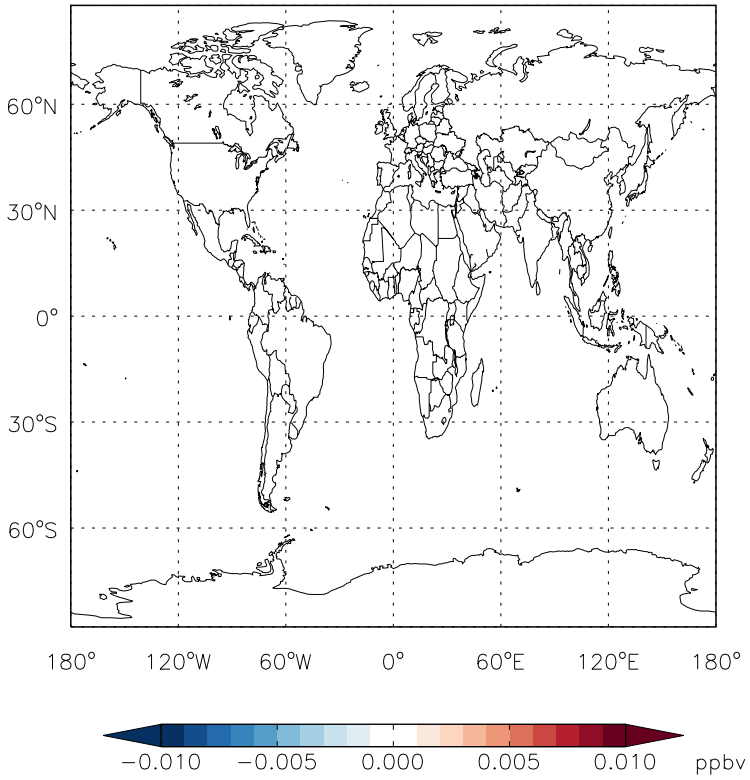
v11−01d−Run1 − v10−01−public−Run0

BrO − Diff @ Surface for Apr



v11−01d−Run1 − v10−01−public−Run0

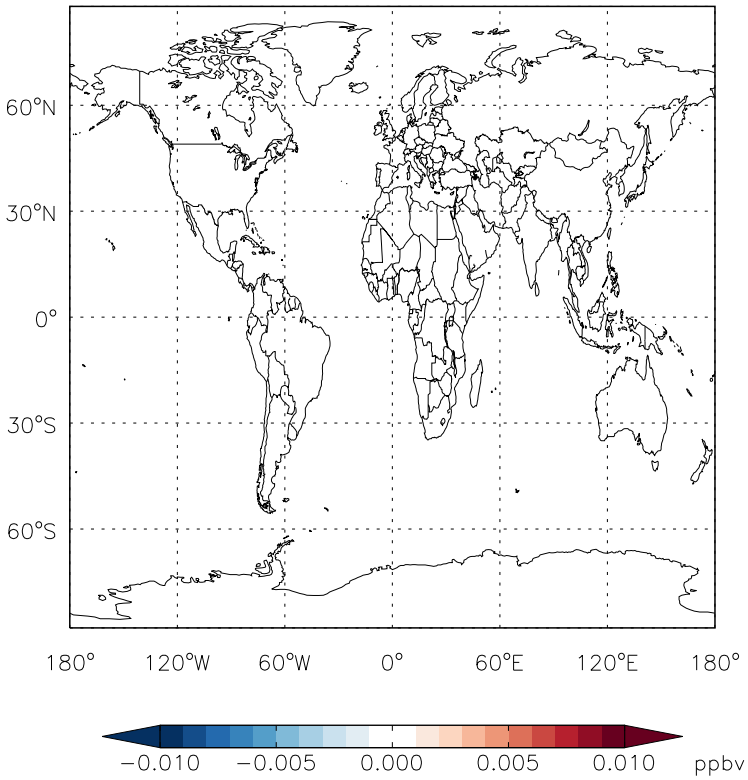
BrO− Diff @ 500 hPa for Apr



GEOS−Chem Difference Maps at surface and 500 hPa

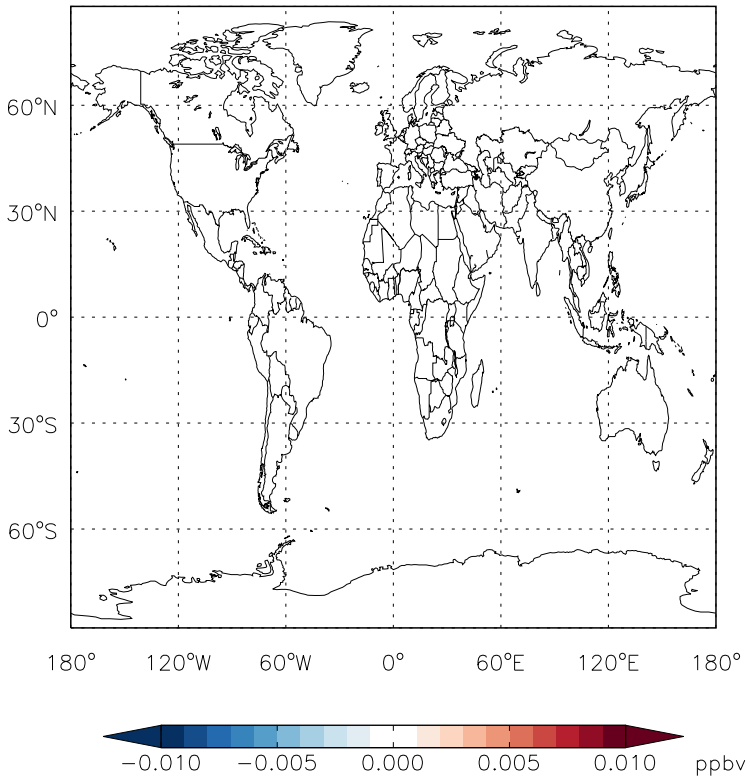
v11−01d−Run1 − v11−01b−Run0

HOBr − Diff @ Surface for Apr



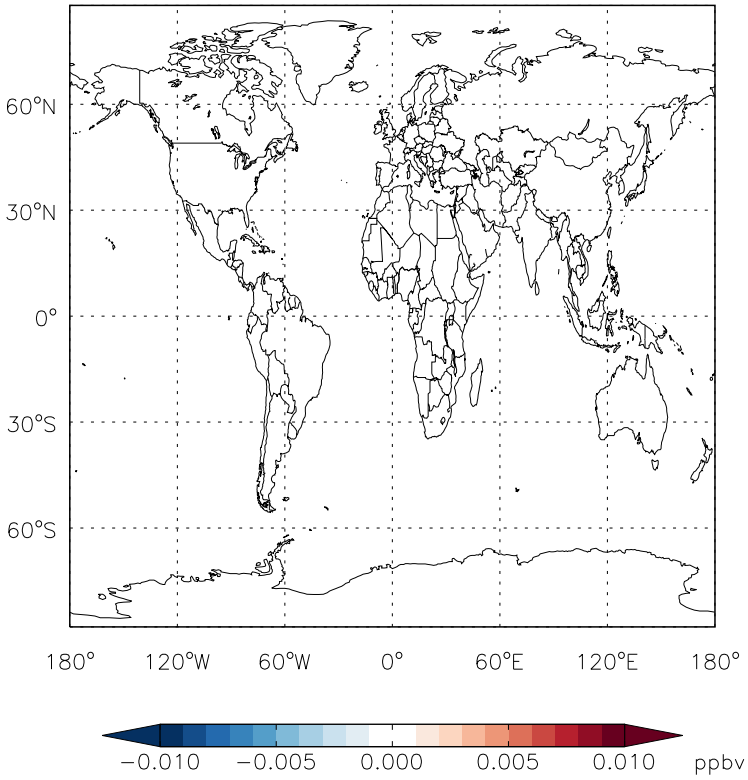
v11−01d−Run1 − v11−01b−Run0

HOBr− Diff @ 500 hPa for Apr



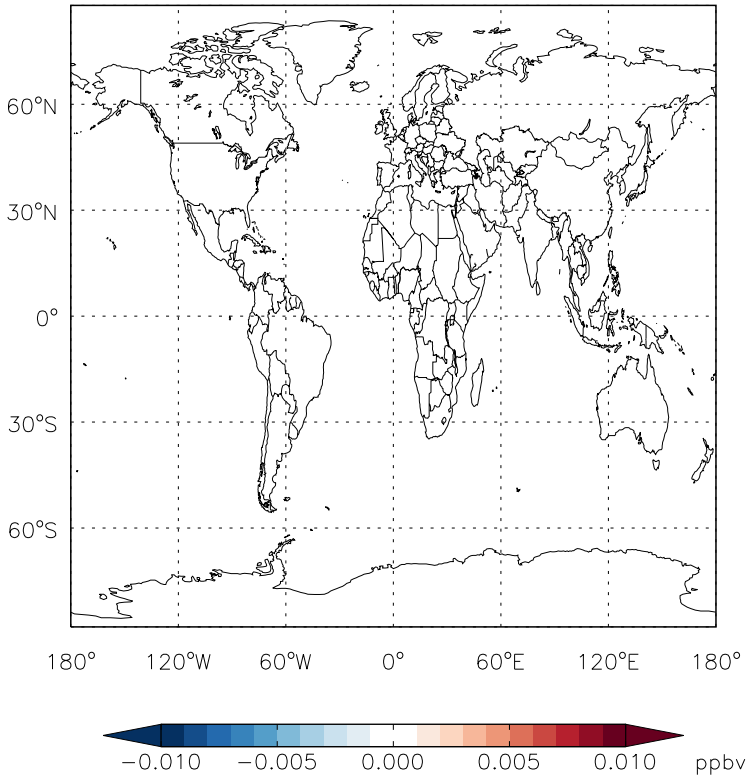
v11−01d−Run1 − v10−01−public−Run0

HOBr − Diff @ Surface for Apr



v11−01d−Run1 − v10−01−public−Run0

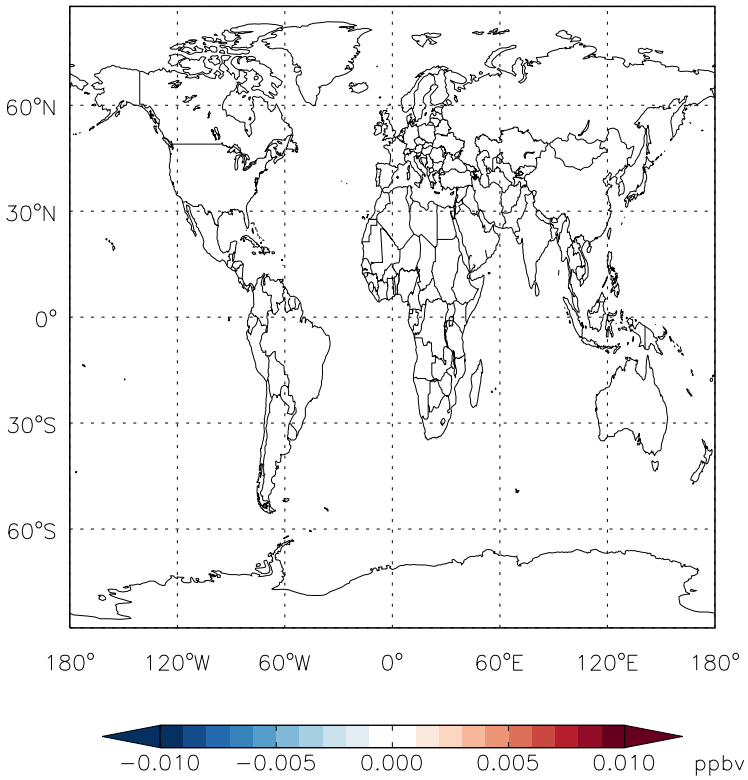
HOBr− Diff @ 500 hPa for Apr



GEOS-Chem Difference Maps at surface and 500 hPa

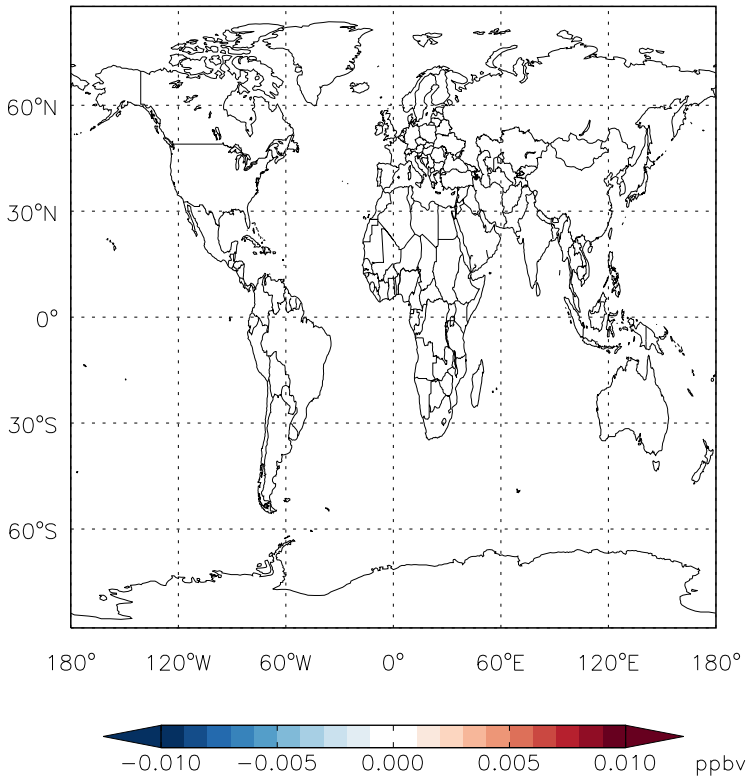
v11-01d-Run1 - v11-01b-Run0

HBr - Diff @ Surface for Apr



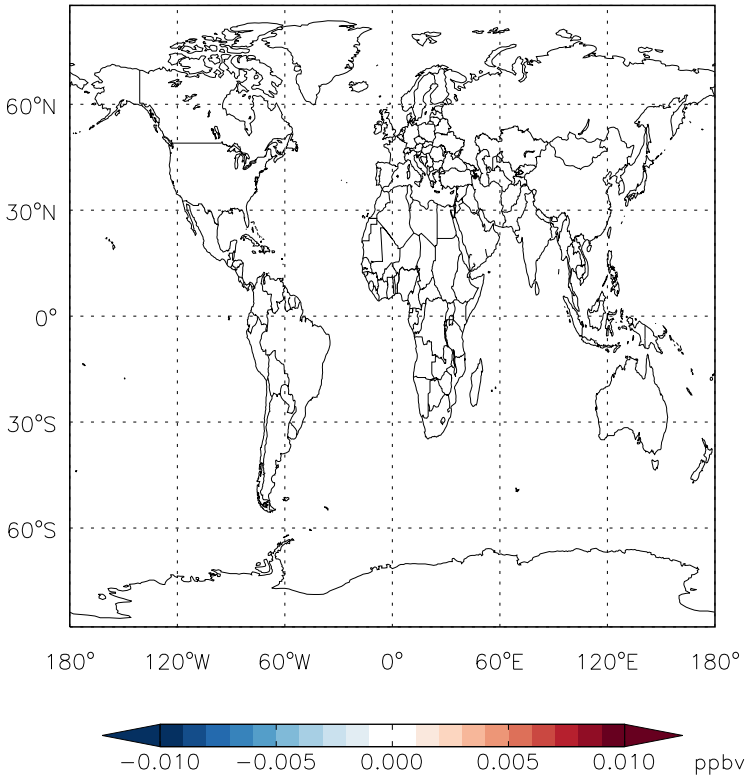
v11-01d-Run1 - v11-01b-Run0

HBr- Diff @ 500 hPa for Apr



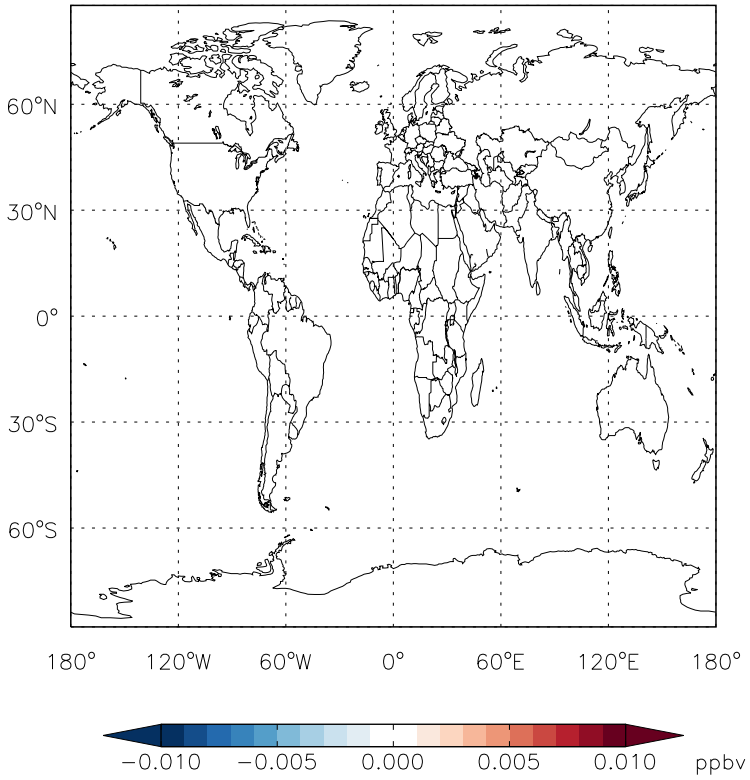
v11-01d-Run1 - v10-01-public-Run0

HBr - Diff @ Surface for Apr



v11-01d-Run1 - v10-01-public-Run0

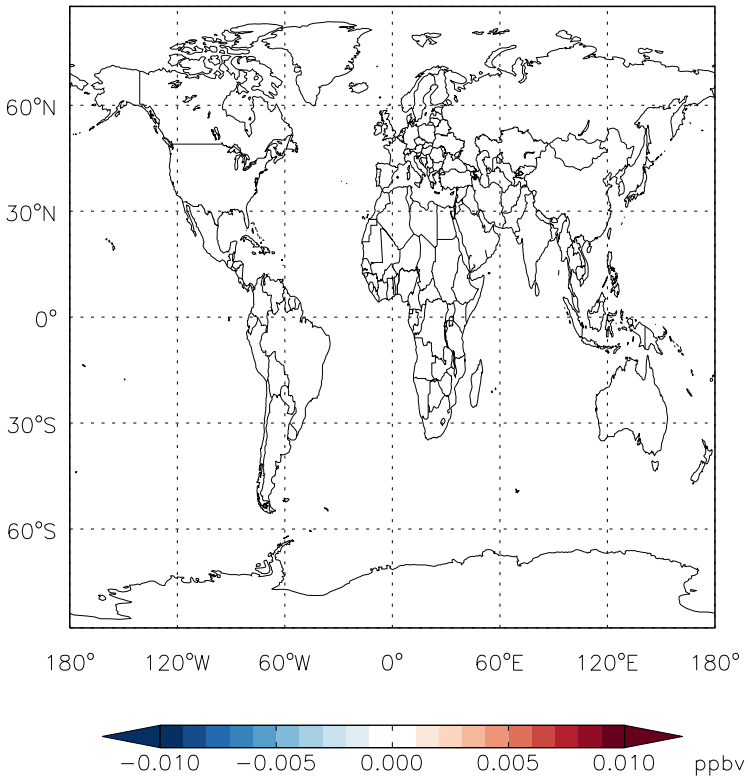
HBr- Diff @ 500 hPa for Apr



GEOS-Chem Difference Maps at surface and 500 hPa

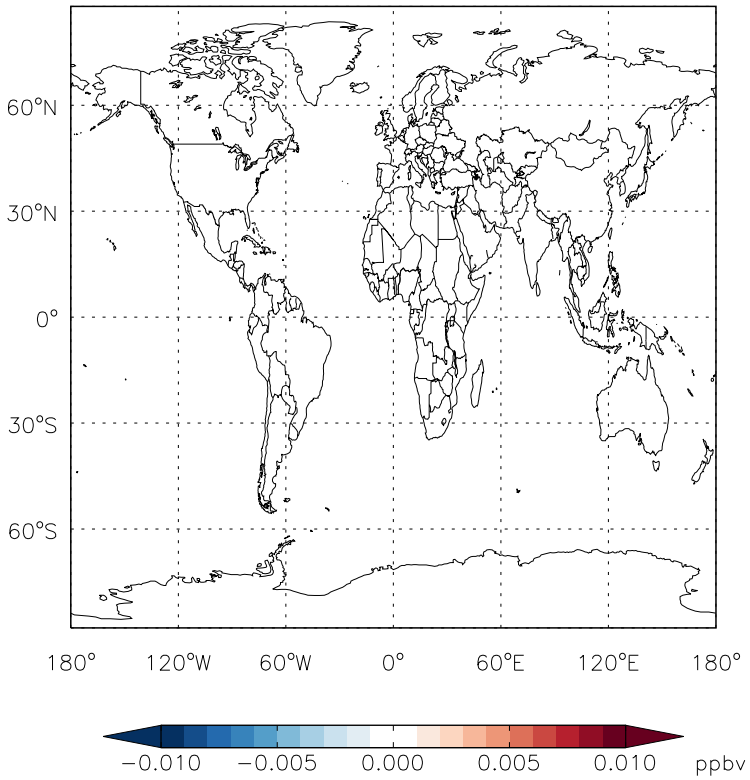
v11-01d-Run1 - v11-01b-Run0

BrNO2 - Diff @ Surface for Apr



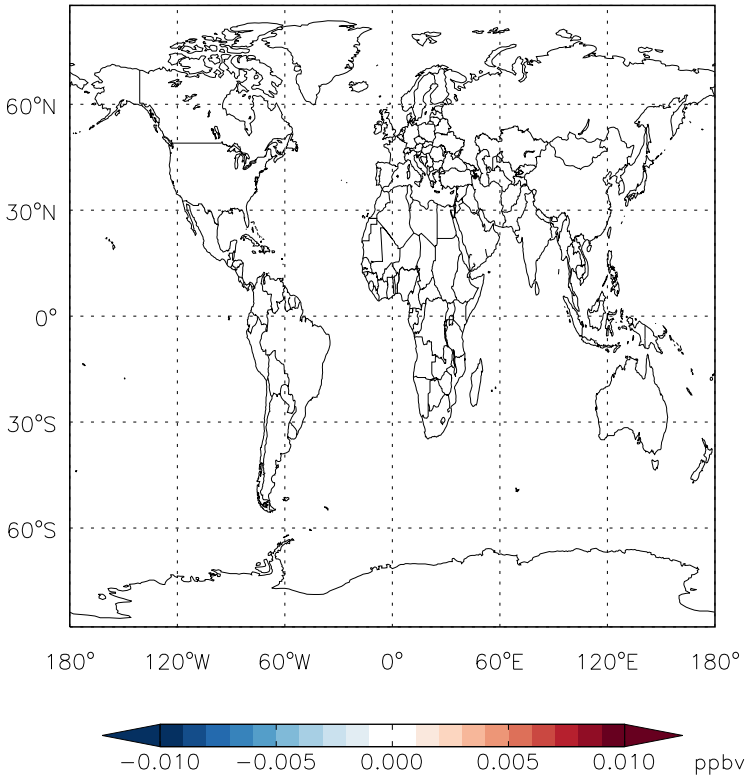
v11-01d-Run1 - v11-01b-Run0

BrNO2- Diff @ 500 hPa for Apr



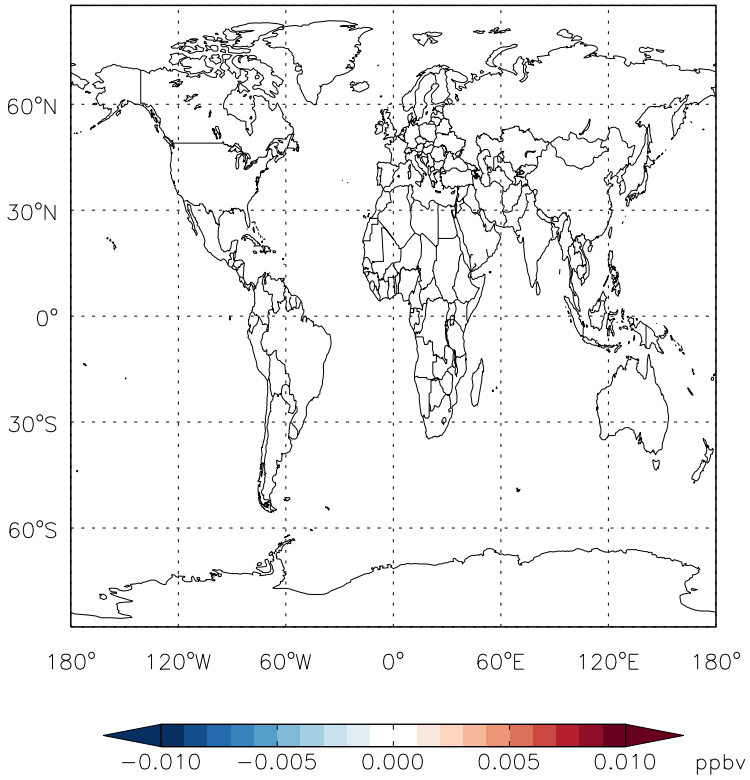
v11-01d-Run1 - v10-01-public-Run0

BrNO2 - Diff @ Surface for Apr



v11-01d-Run1 - v10-01-public-Run0

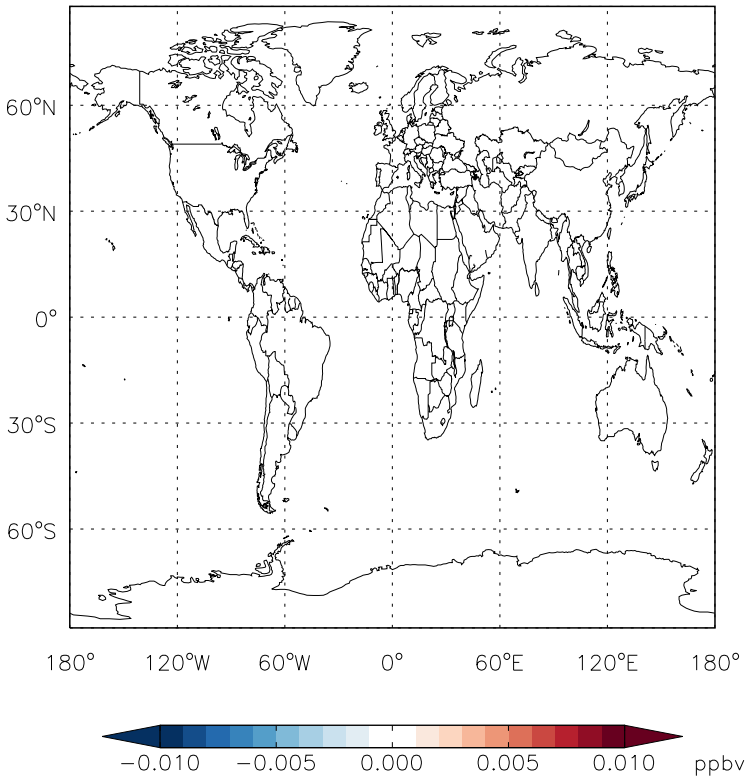
BrNO2- Diff @ 500 hPa for Apr



GEOS-Chem Difference Maps at surface and 500 hPa

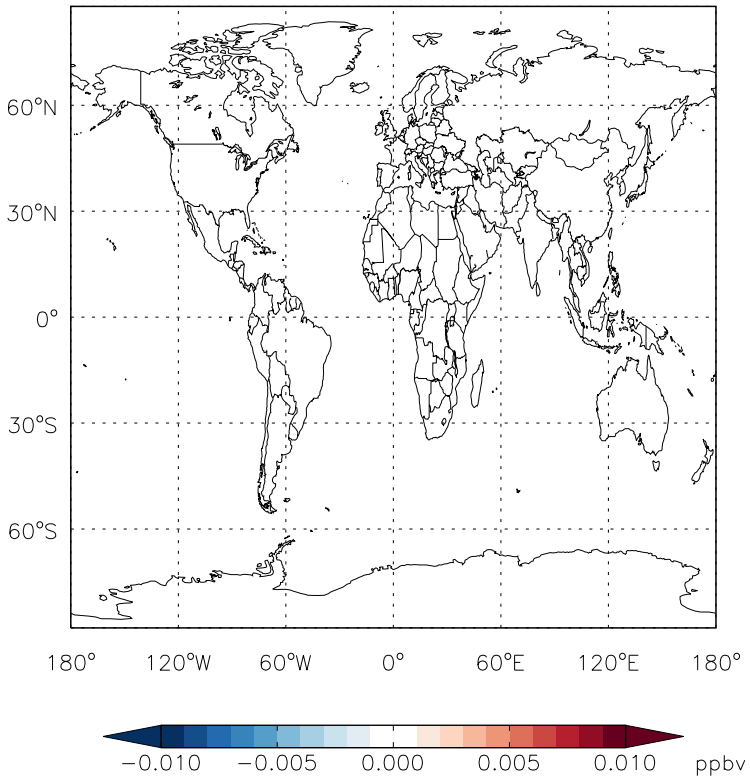
v11-01d-Run1 - v11-01b-Run0

BrNO3 - Diff @ Surface for Apr



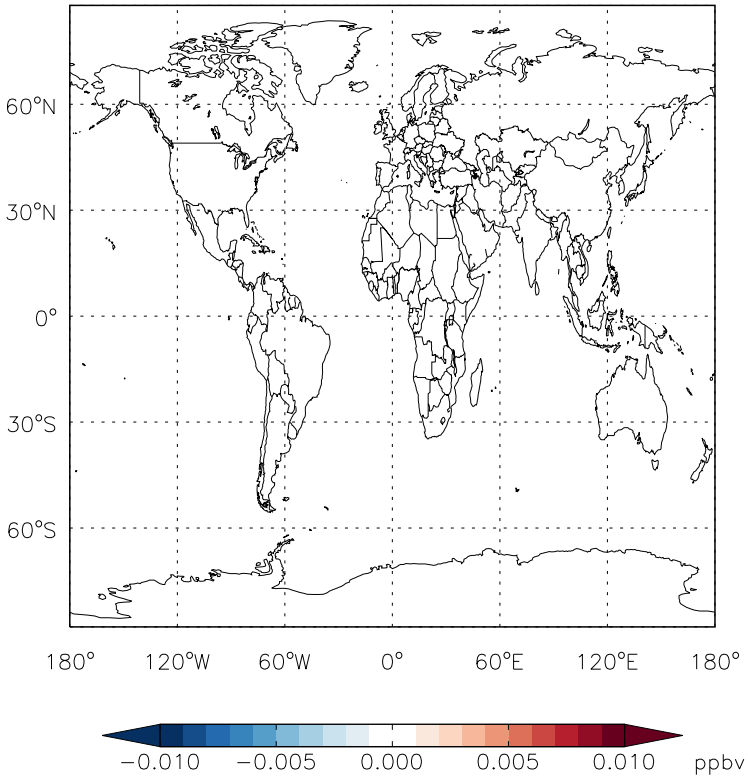
v11-01d-Run1 - v11-01b-Run0

BrNO3- Diff @ 500 hPa for Apr



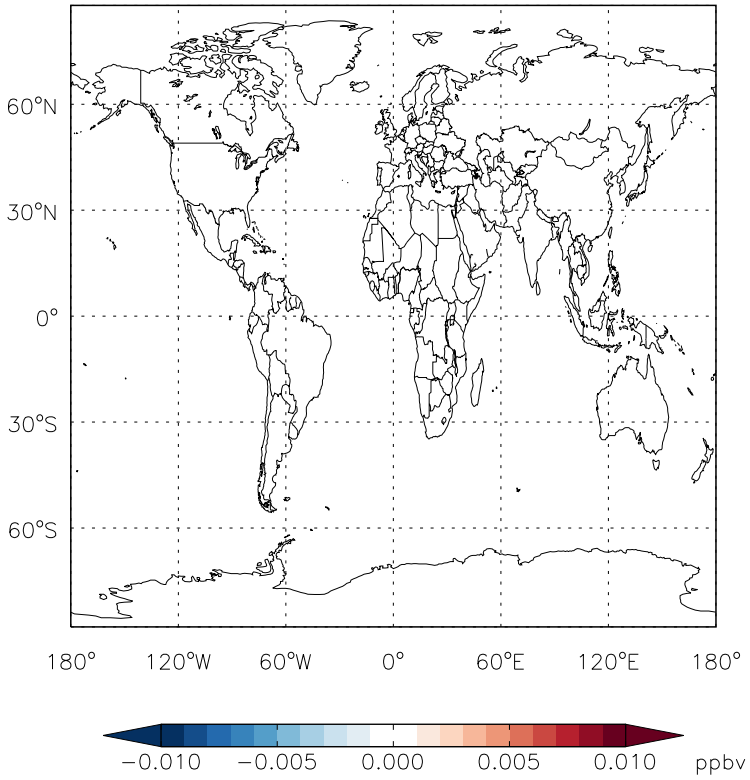
v11-01d-Run1 - v10-01-public-Run0

BrNO3 - Diff @ Surface for Apr



v11-01d-Run1 - v10-01-public-Run0

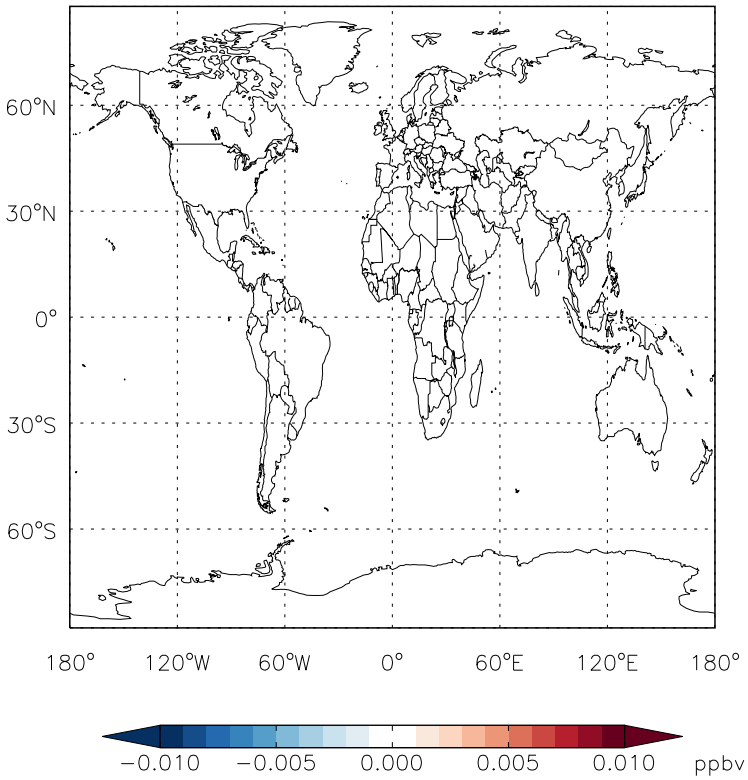
BrNO3- Diff @ 500 hPa for Apr



GEOS−Chem Difference Maps at surface and 500 hPa

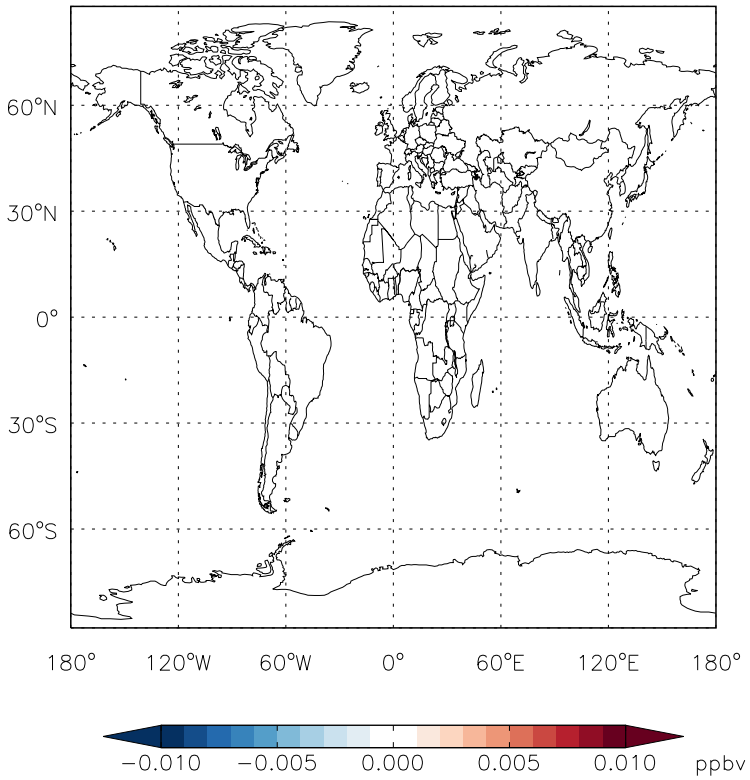
v11−01d−Run1 − v11−01b−Run0

CHBr3 − Diff @ Surface for Apr



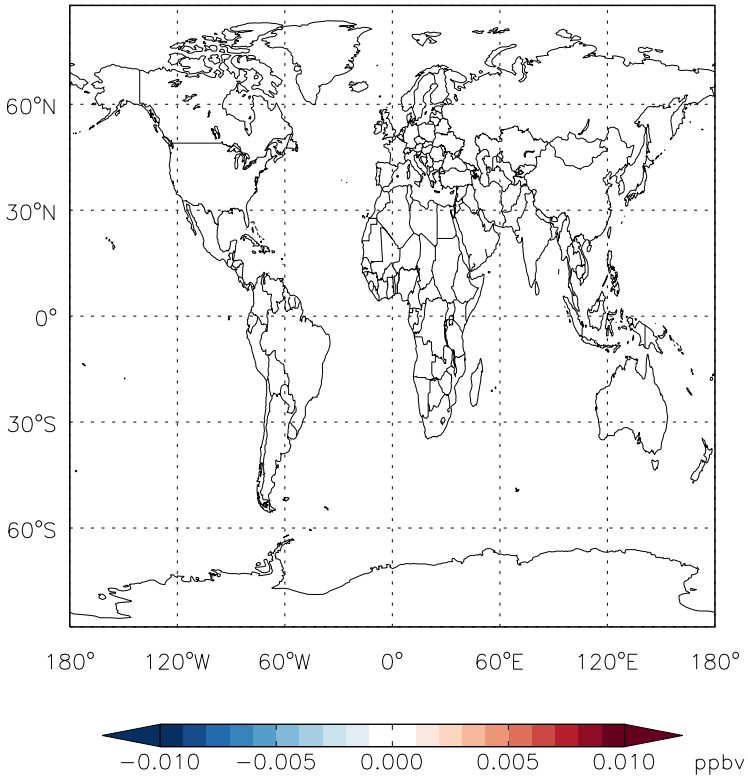
v11−01d−Run1 − v11−01b−Run0

CHBr3− Diff @ 500 hPa for Apr



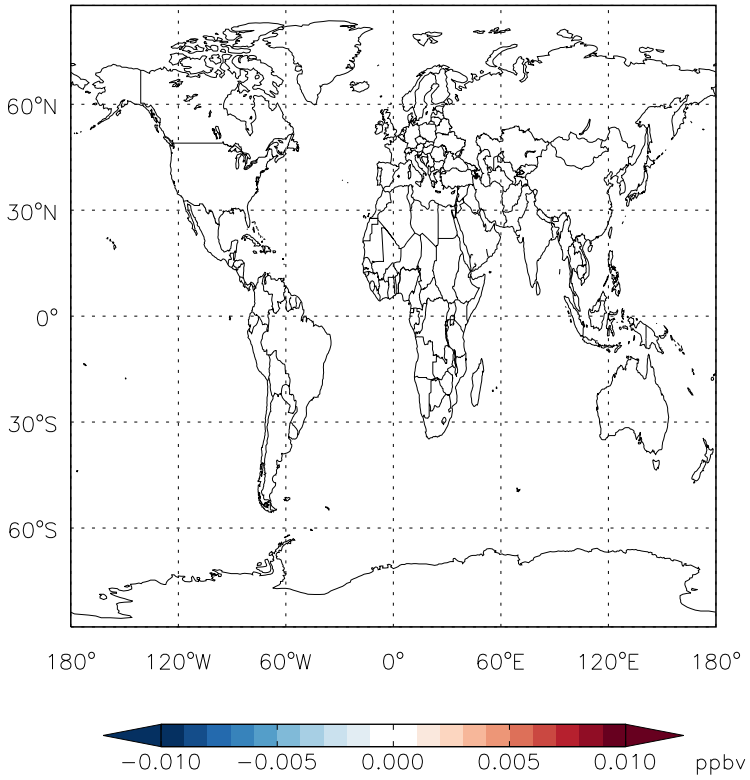
v11−01d−Run1 − v10−01−public−Run0

CHBr3 − Diff @ Surface for Apr



v11−01d−Run1 − v10−01−public−Run0

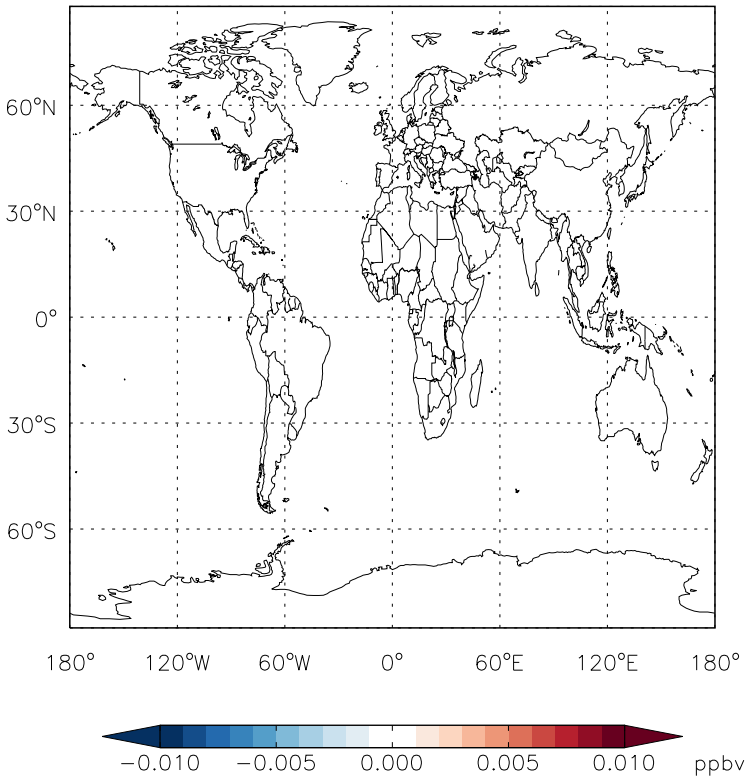
CHBr3− Diff @ 500 hPa for Apr



GEOS−Chem Difference Maps at surface and 500 hPa

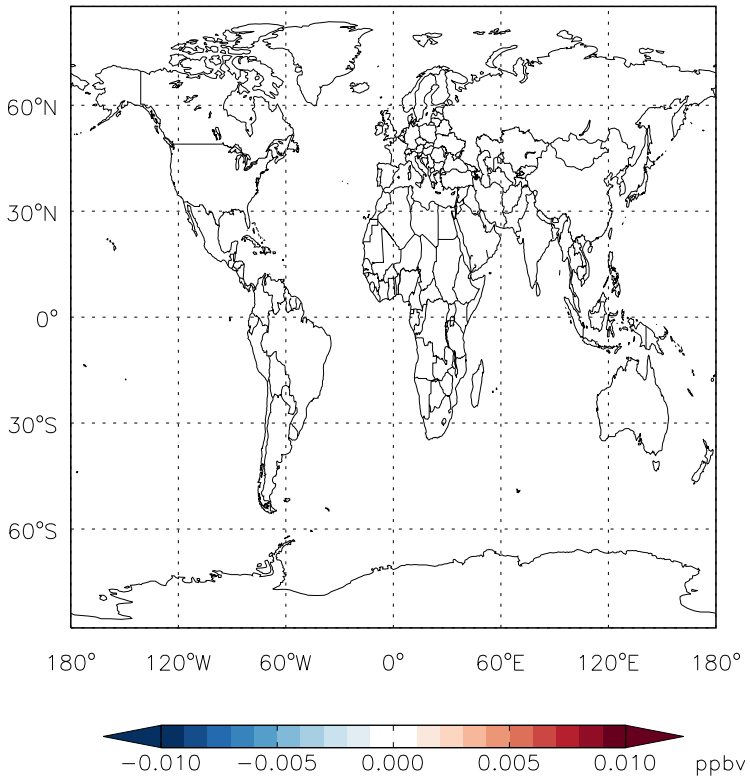
v11−01d−Run1 − v11−01b−Run0

CH2Br2 − Diff @ Surface for Apr



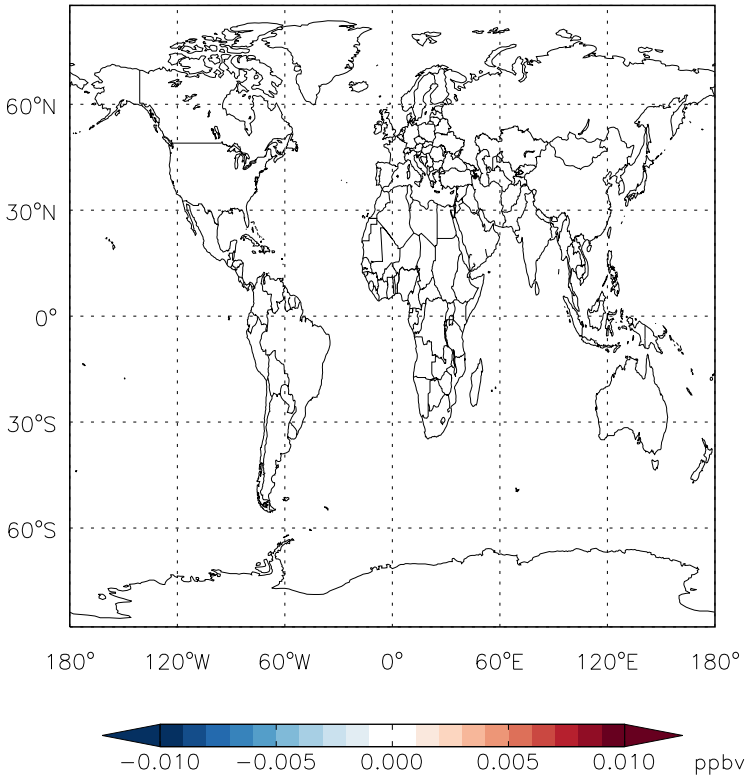
v11−01d−Run1 − v11−01b−Run0

CH2Br2− Diff @ 500 hPa for Apr



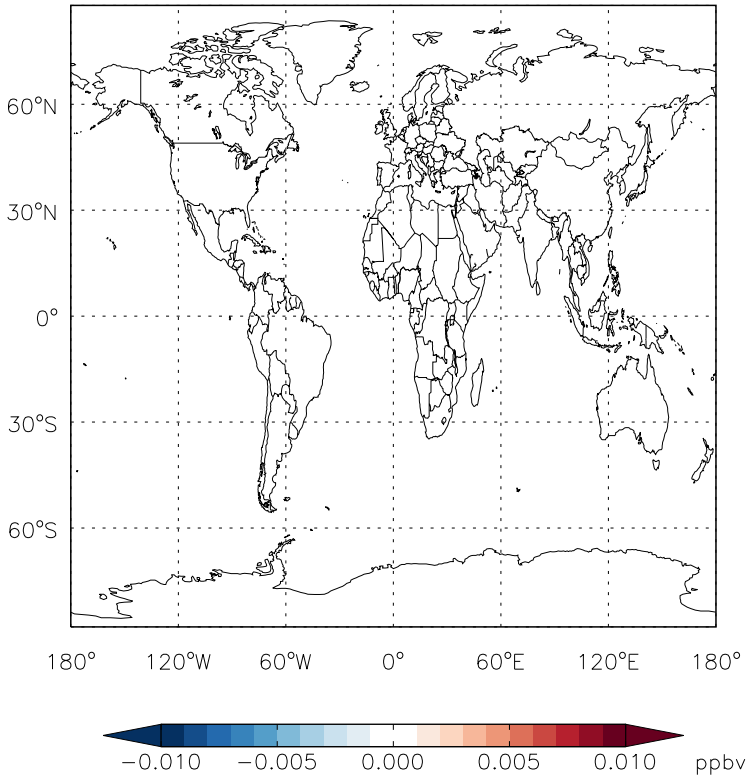
v11−01d−Run1 − v10−01−public−Run0

CH2Br2 − Diff @ Surface for Apr



v11−01d−Run1 − v10−01−public−Run0

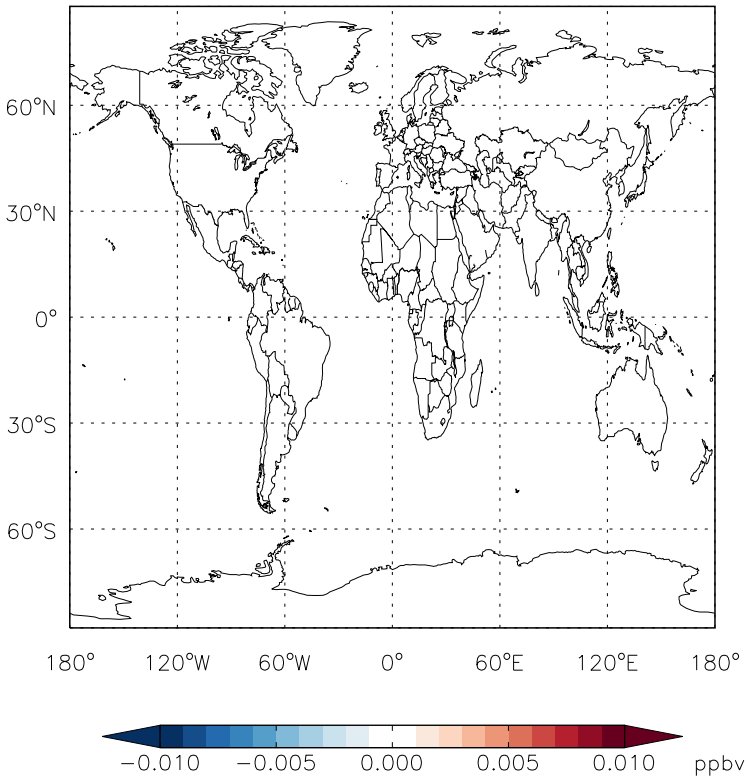
CH2Br2− Diff @ 500 hPa for Apr



GEOS-Chem Difference Maps at surface and 500 hPa

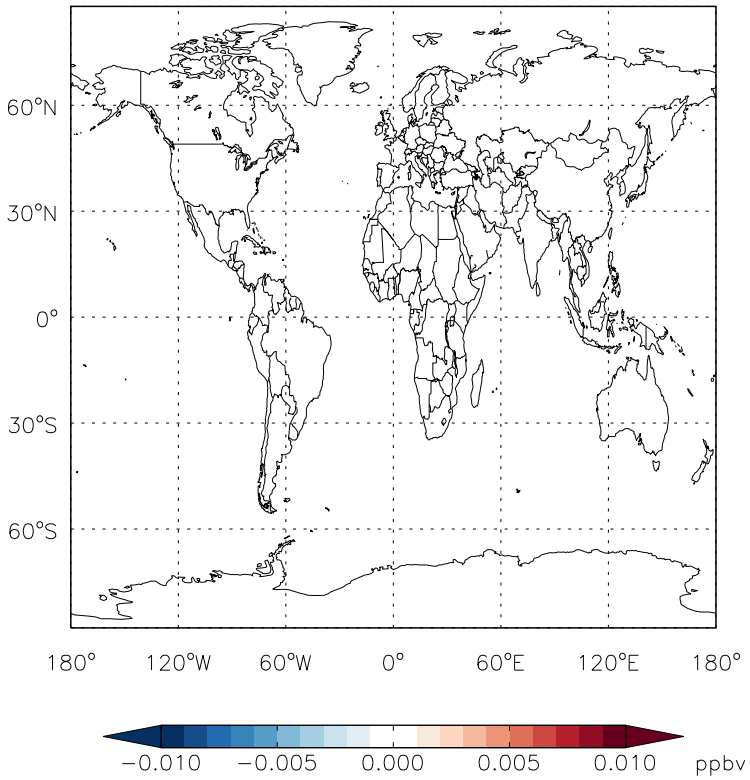
v11-01d-Run1 - v11-01b-Run0

CH3Br - Diff @ Surface for Apr



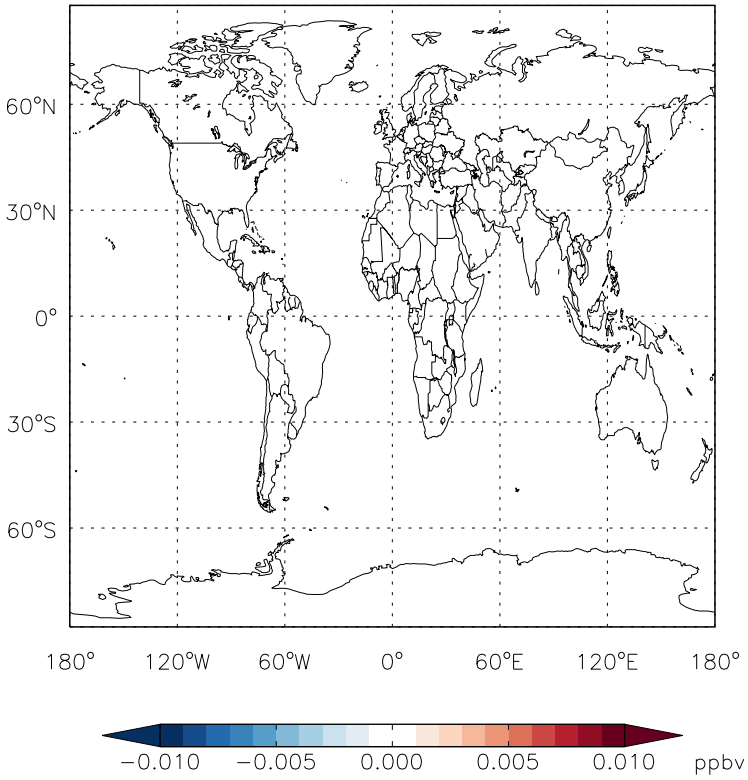
v11-01d-Run1 - v11-01b-Run0

CH3Br- Diff @ 500 hPa for Apr



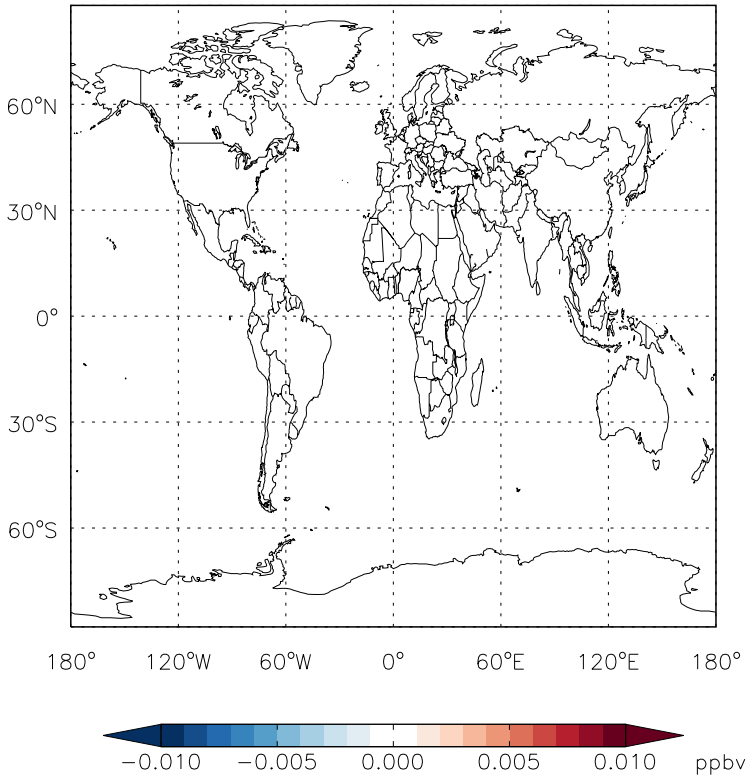
v11-01d-Run1 - v10-01-public-Run0

CH3Br - Diff @ Surface for Apr



v11-01d-Run1 - v10-01-public-Run0

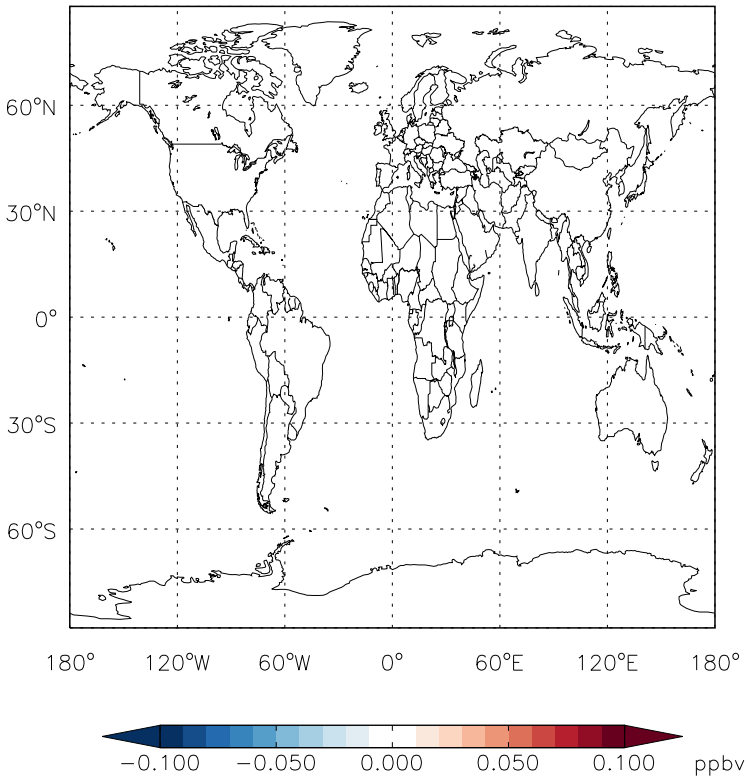
CH3Br- Diff @ 500 hPa for Apr



GEOS-Chem Difference Maps at surface and 500 hPa

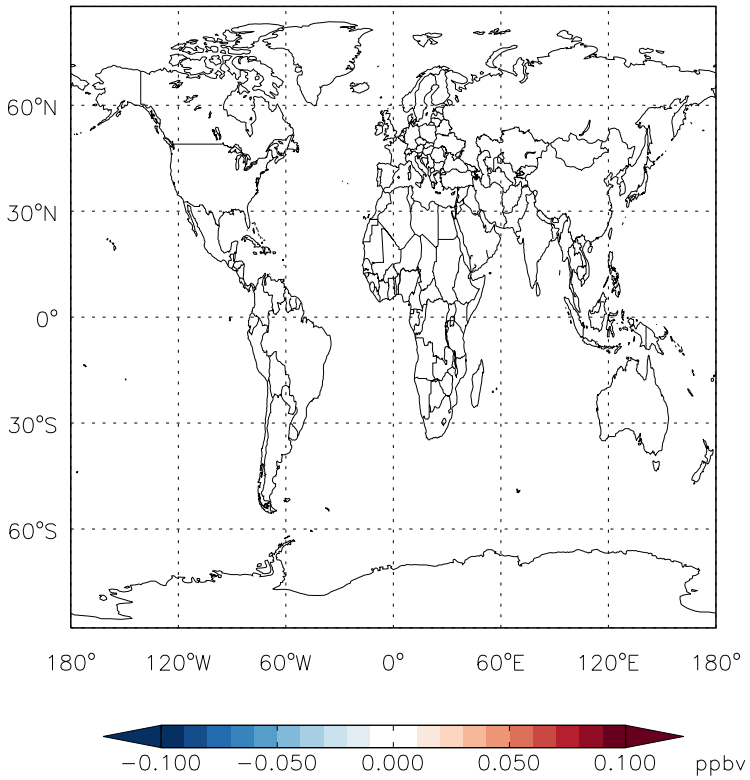
v11-01d-Run1 - v11-01b-Run0

MPN - Diff @ Surface for Apr



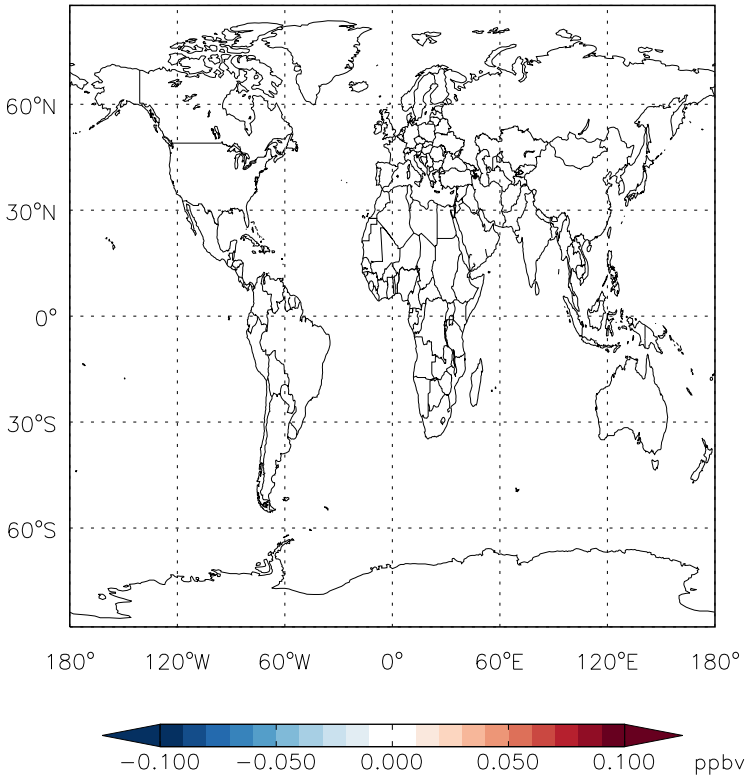
v11-01d-Run1 - v11-01b-Run0

MPN- Diff @ 500 hPa for Apr



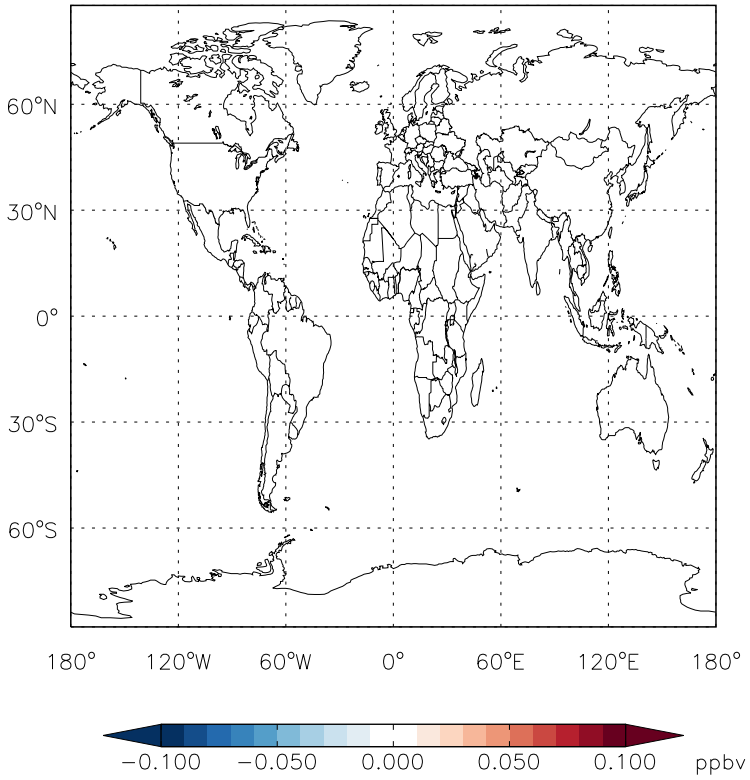
v11-01d-Run1 - v10-01-public-Run0

MPN - Diff @ Surface for Apr



v11-01d-Run1 - v10-01-public-Run0

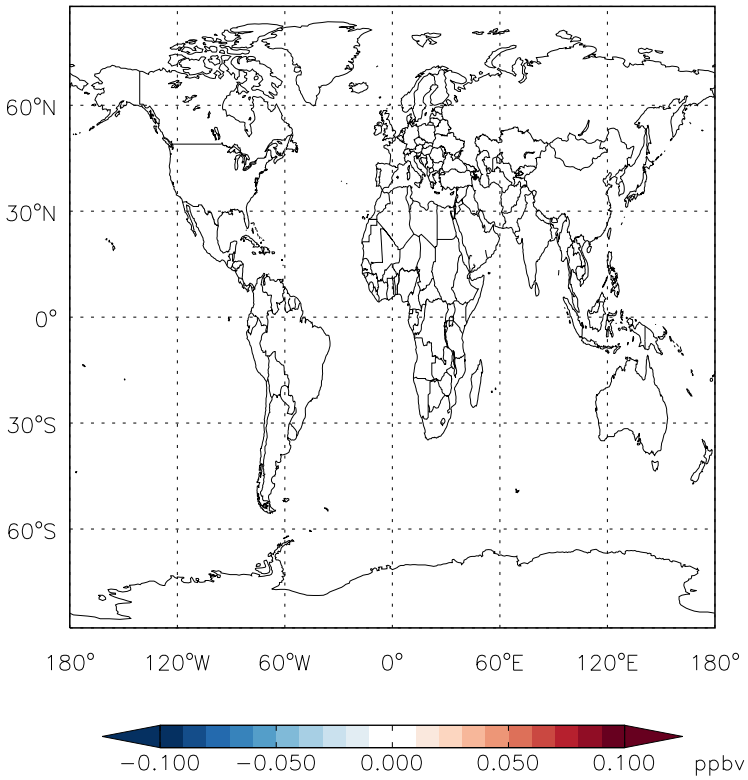
MPN- Diff @ 500 hPa for Apr



GEOS−Chem Difference Maps at surface and 500 hPa

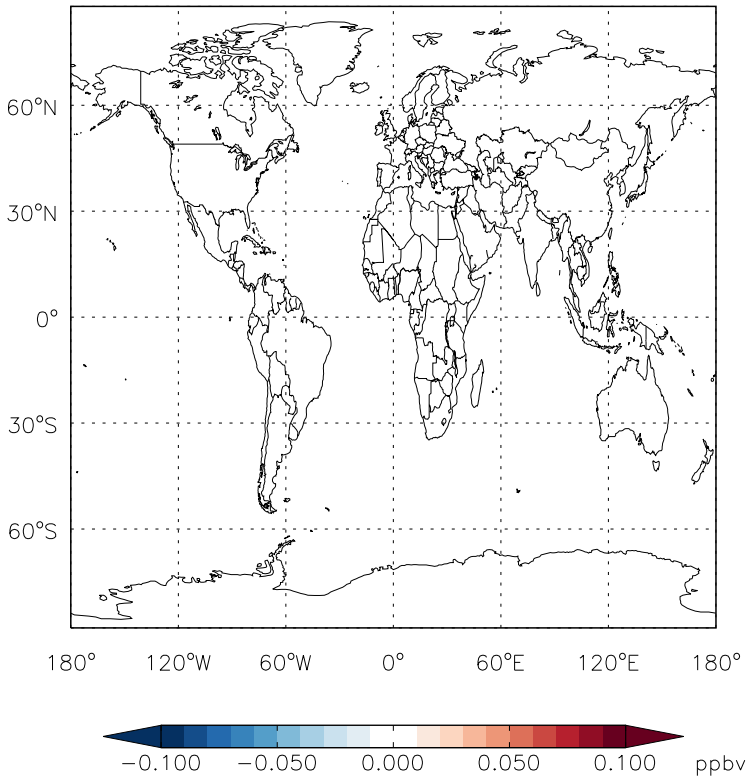
v11−01d−Run1 − v11−01b−Run0

ISOPN − Diff @ Surface for Apr



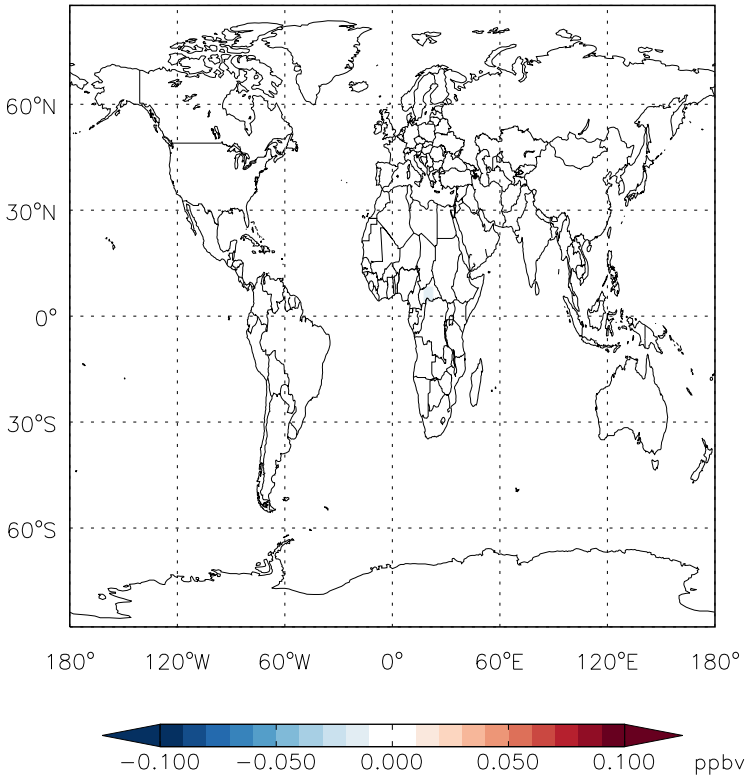
v11−01d−Run1 − v11−01b−Run0

ISOPN− Diff @ 500 hPa for Apr



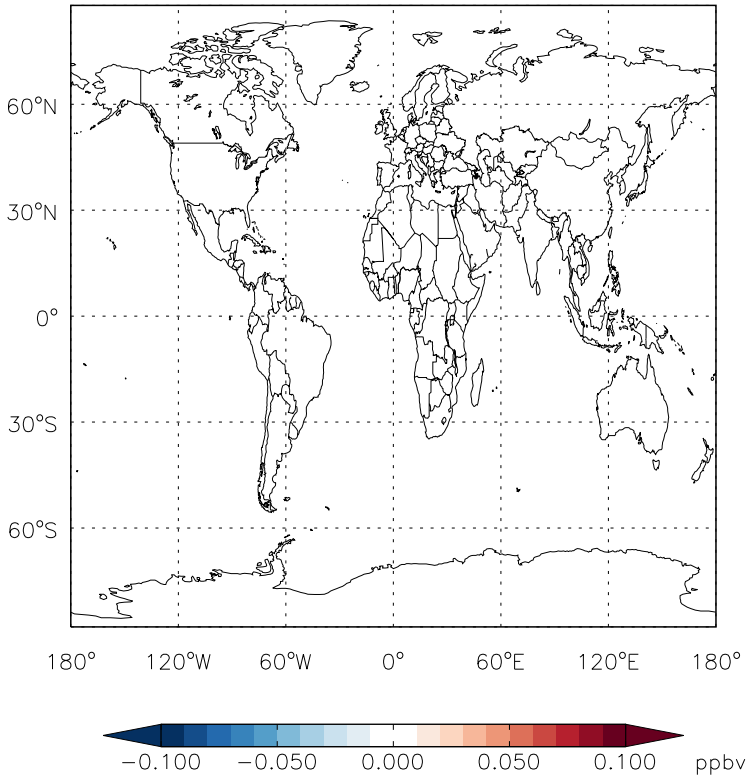
v11−01d−Run1 − v10−01−public−Run0

ISOPN − Diff @ Surface for Apr



v11−01d−Run1 − v10−01−public−Run0

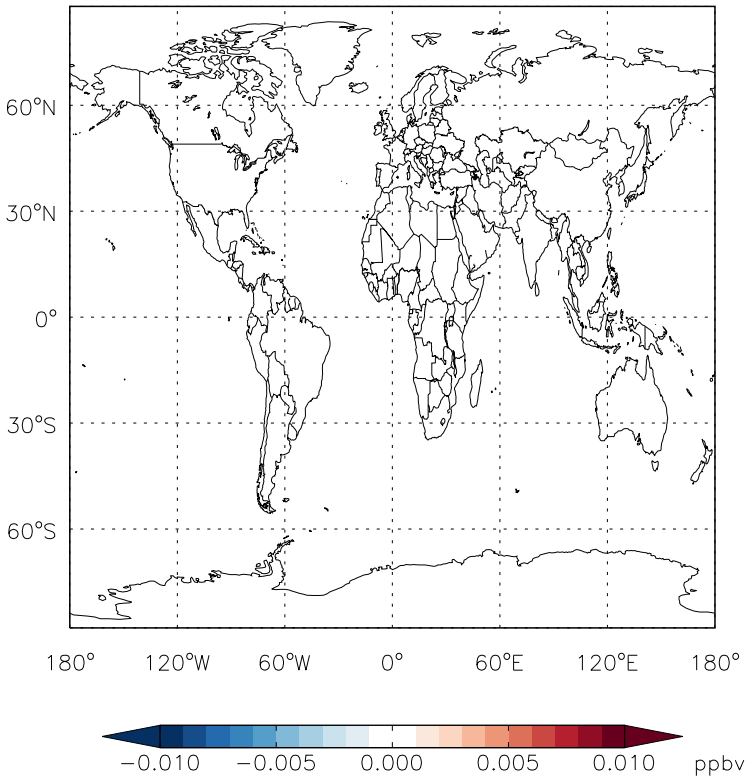
ISOPN− Diff @ 500 hPa for Apr



GEOS−Chem Difference Maps at surface and 500 hPa

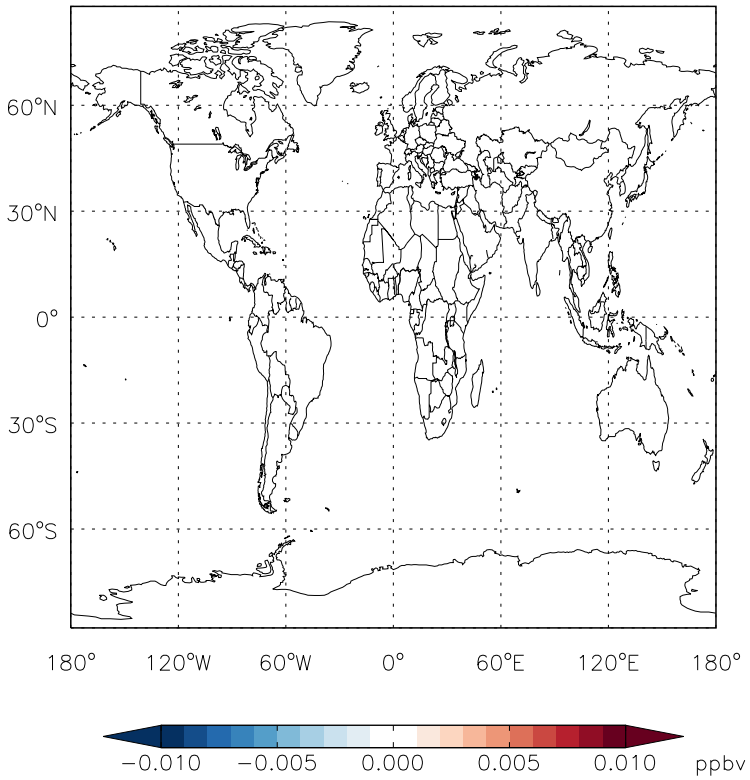
v11−01d−Run1 − v11−01b−Run0

MOBA − Diff @ Surface for Apr



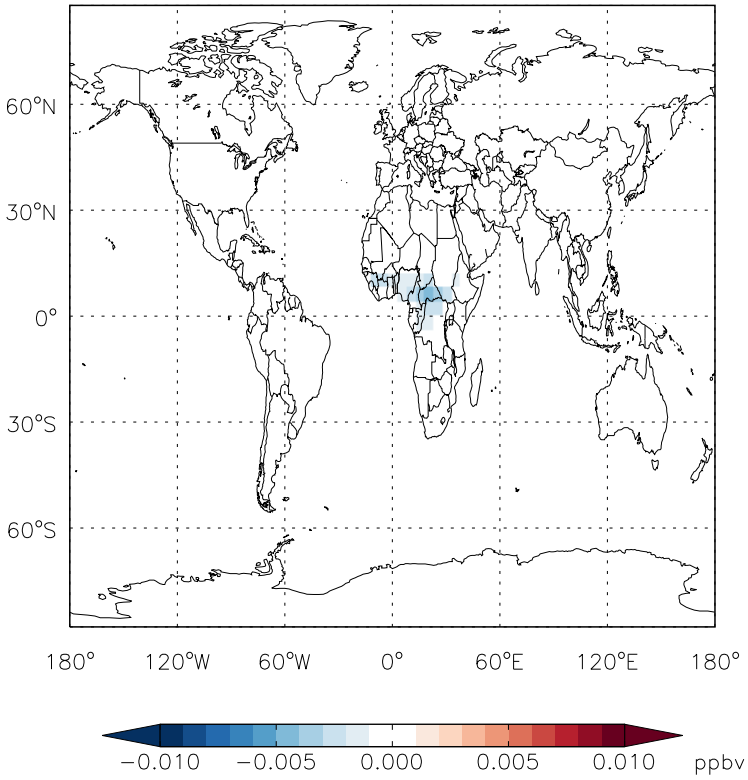
v11−01d−Run1 − v11−01b−Run0

MOBA− Diff @ 500 hPa for Apr



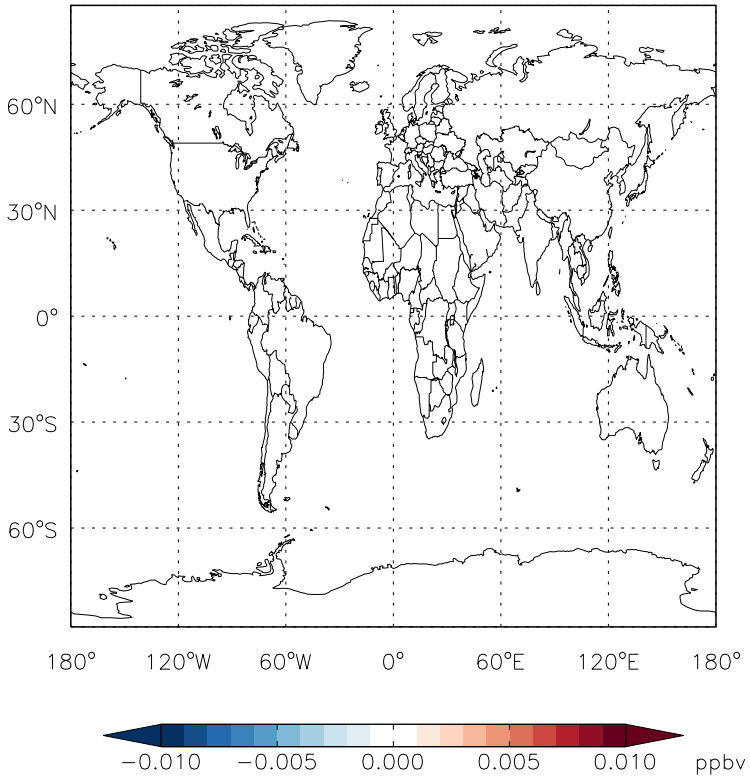
v11−01d−Run1 − v10−01−public−Run0

MOBA − Diff @ Surface for Apr



v11−01d−Run1 − v10−01−public−Run0

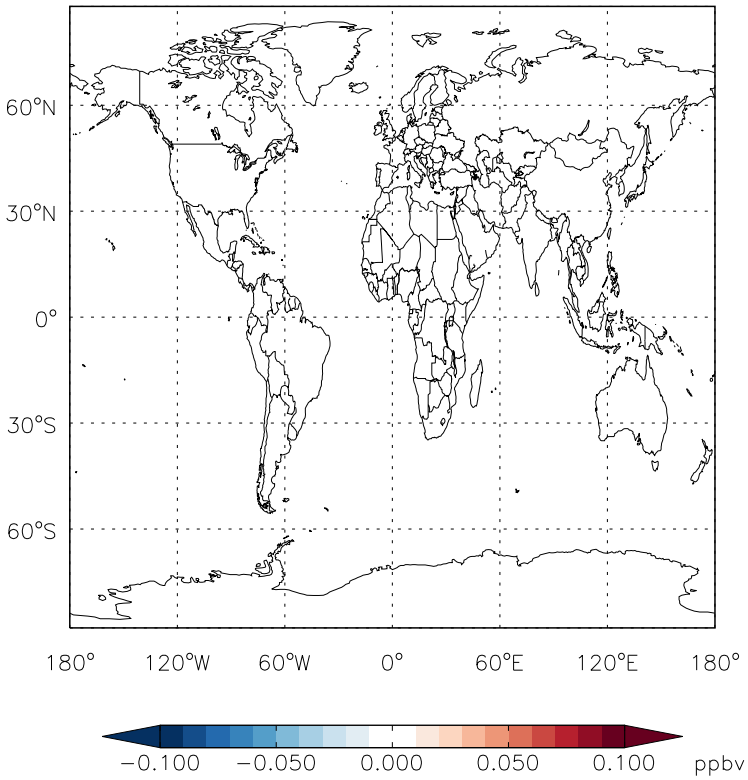
MOBA− Diff @ 500 hPa for Apr



GEOS−Chem Difference Maps at surface and 500 hPa

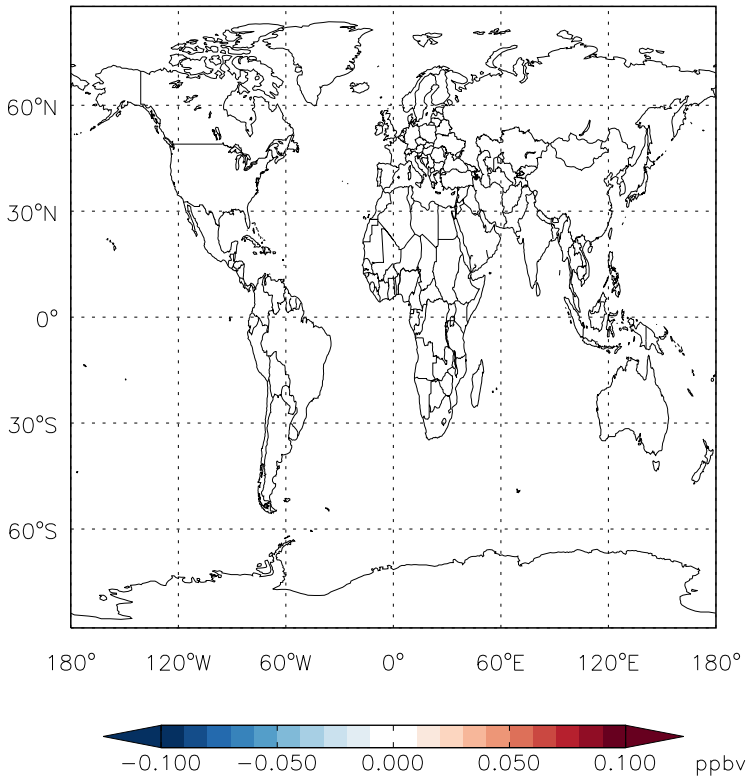
v11−01d−Run1 − v11−01b−Run0

PROPNN − Diff @ Surface for Apr



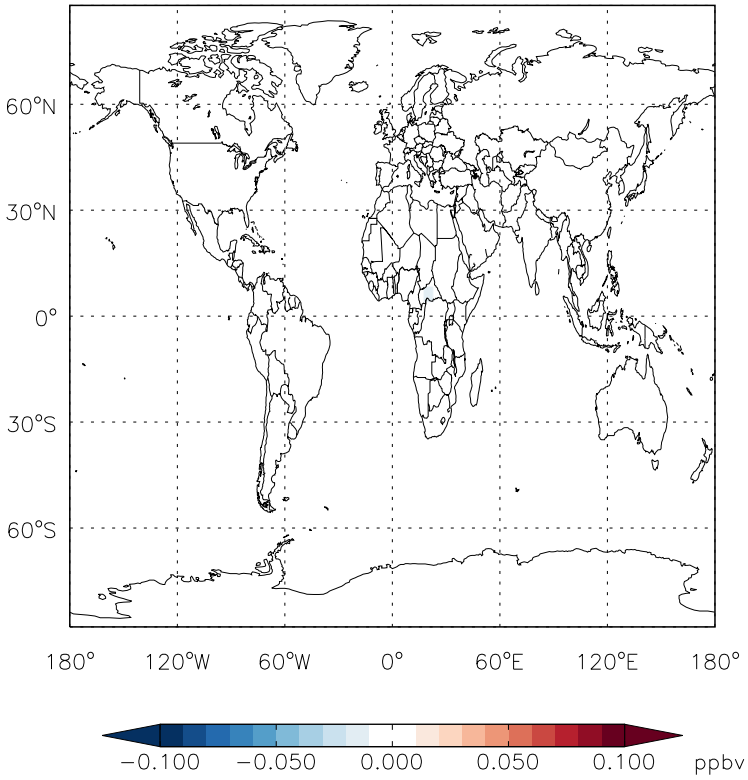
v11−01d−Run1 − v11−01b−Run0

PROPNN− Diff @ 500 hPa for Apr



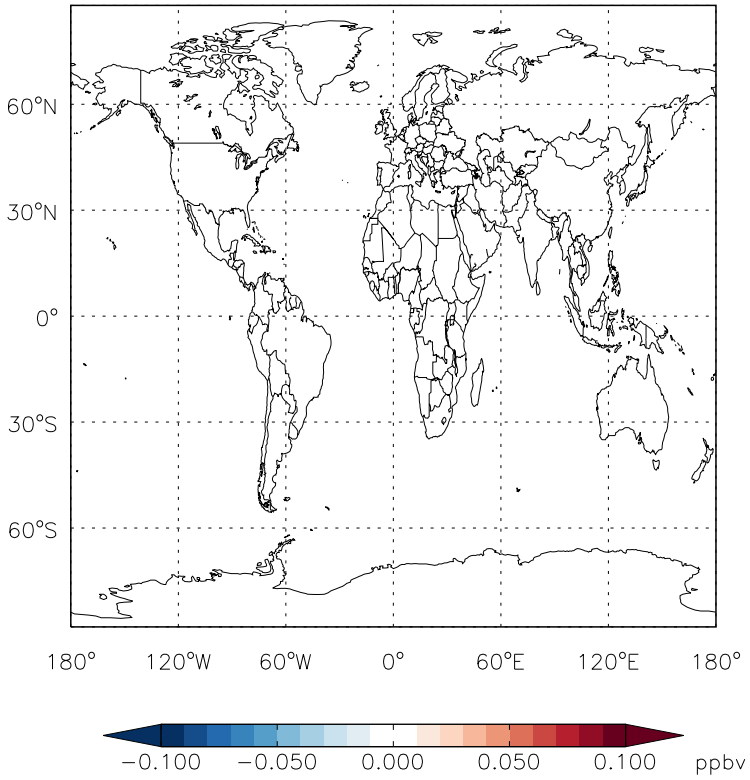
v11−01d−Run1 − v10−01−public−Run0

PROPNN − Diff @ Surface for Apr



v11−01d−Run1 − v10−01−public−Run0

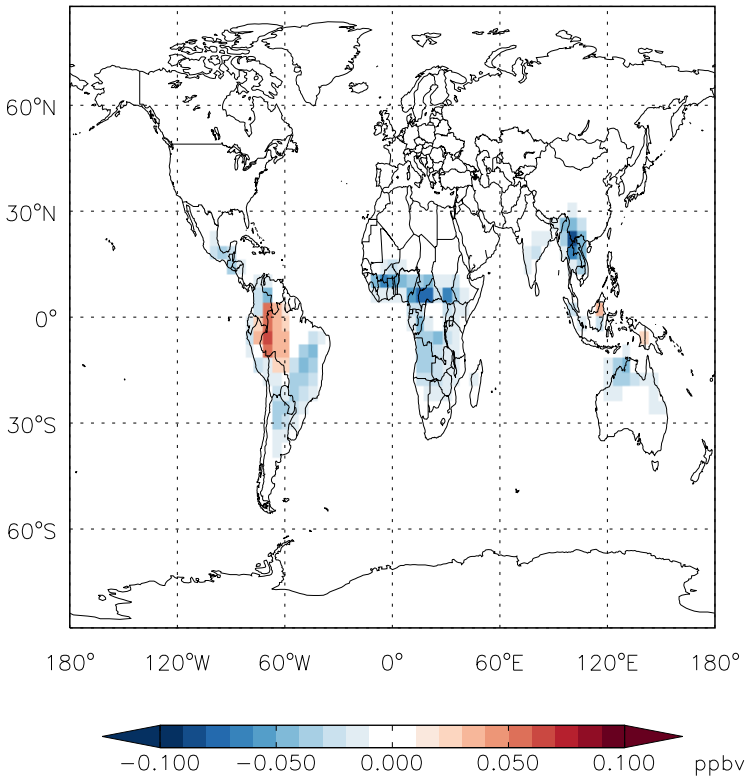
PROPNN− Diff @ 500 hPa for Apr



GEOS−Chem Difference Maps at surface and 500 hPa

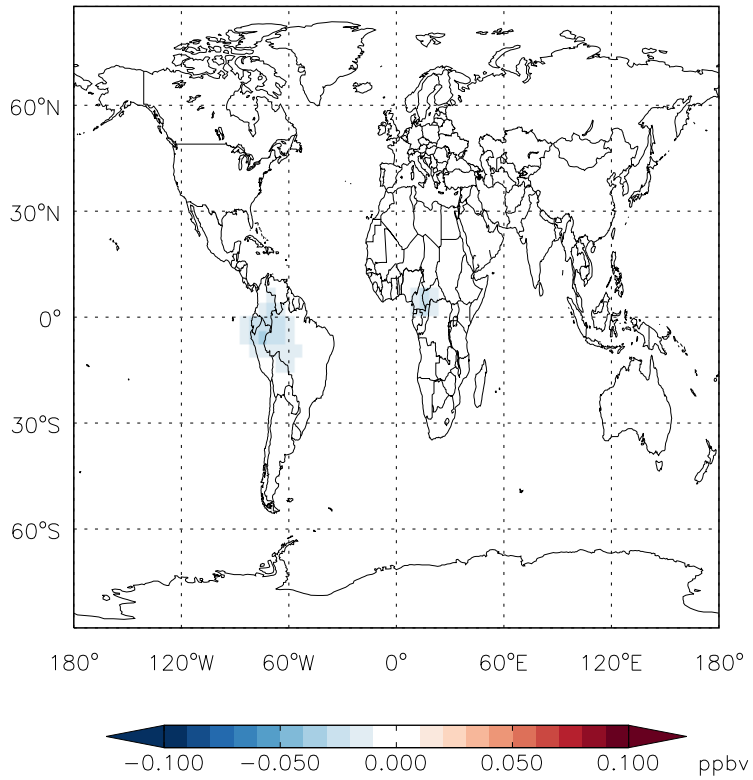
v11−01d−Run1 − v11−01b−Run0

HAC − Diff @ Surface for Apr



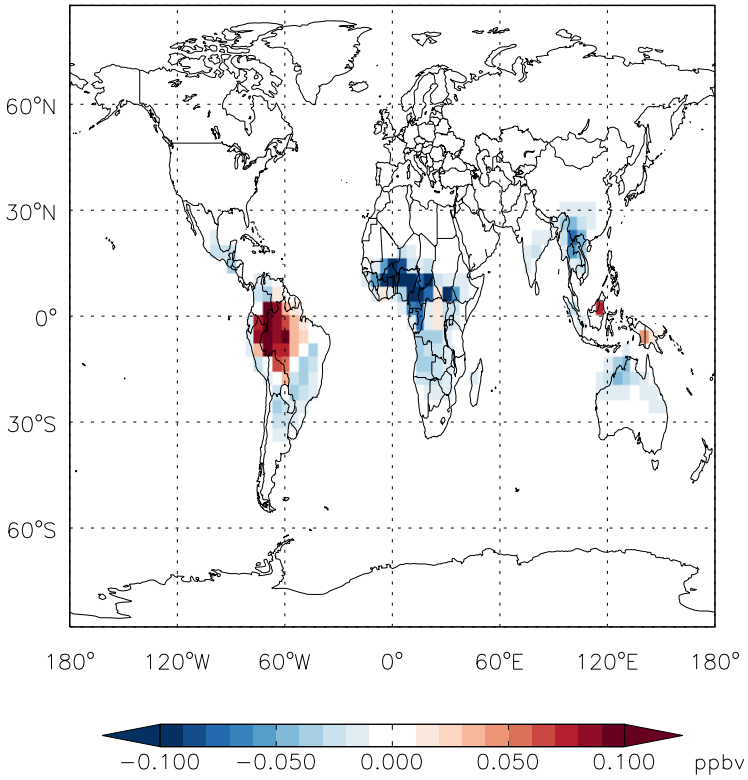
v11−01d−Run1 − v11−01b−Run0

HAC− Diff @ 500 hPa for Apr



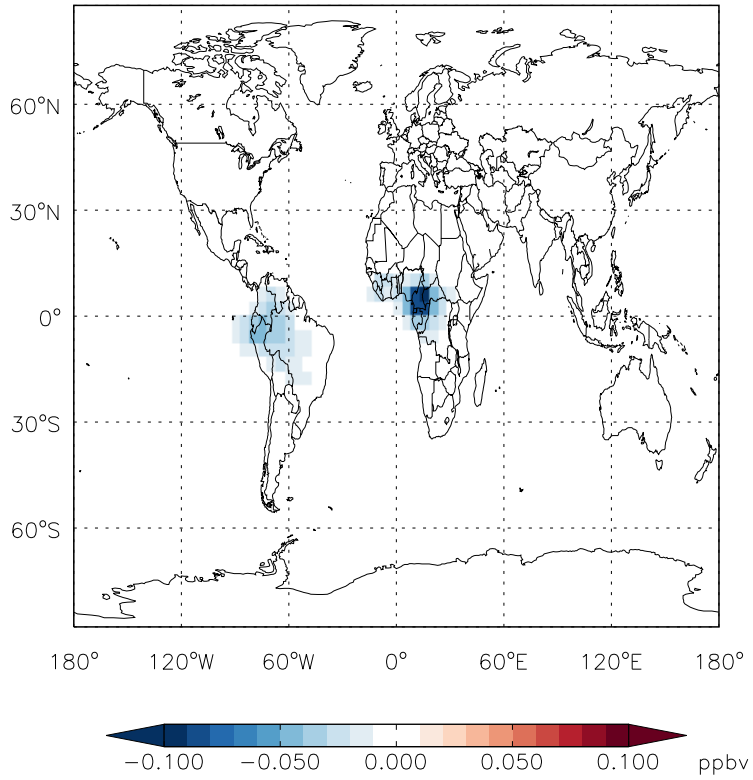
v11−01d−Run1 − v10−01−public−Run0

HAC − Diff @ Surface for Apr



v11−01d−Run1 − v10−01−public−Run0

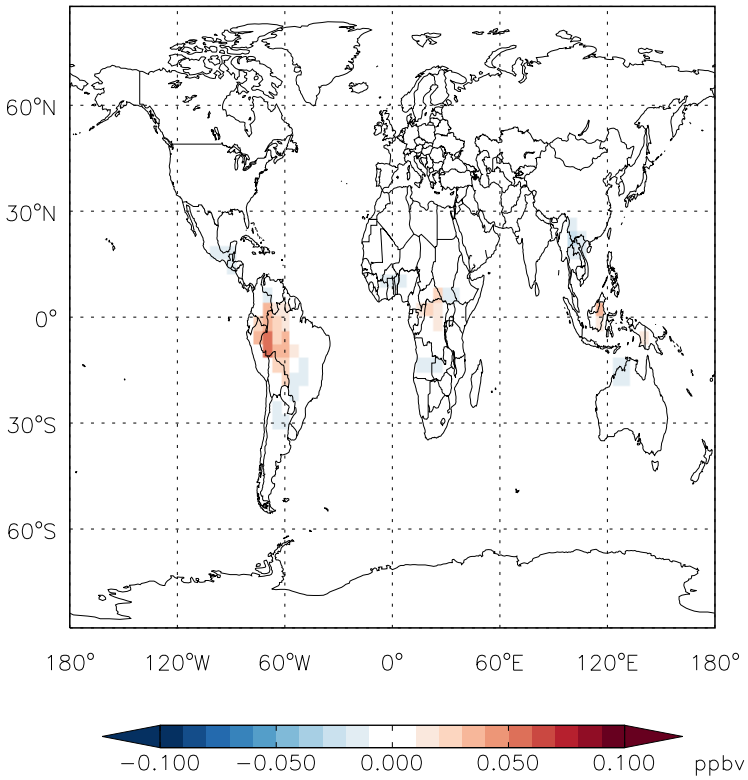
HAC− Diff @ 500 hPa for Apr



GEOS-Chem Difference Maps at surface and 500 hPa

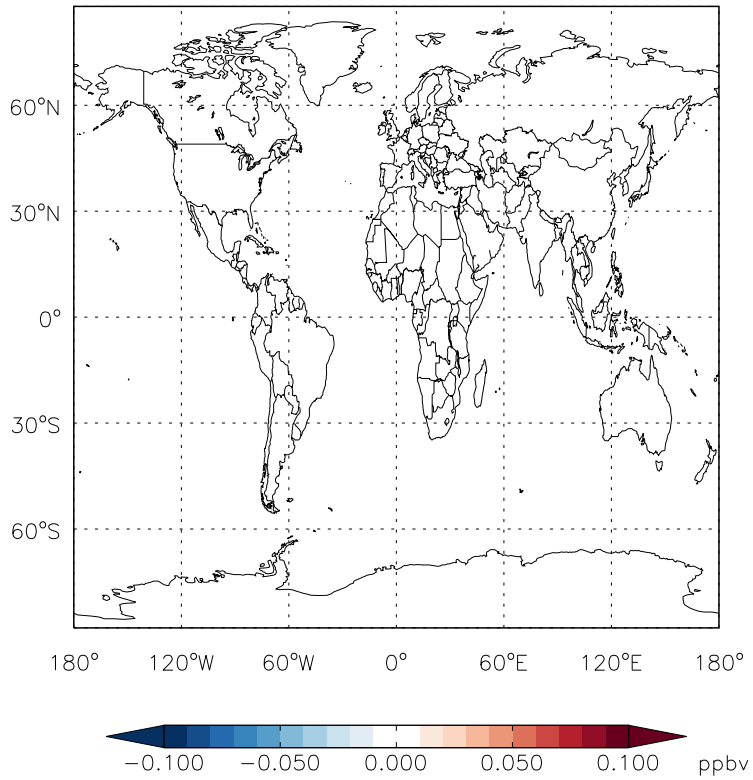
v11-01d-Run1 - v11-01b-Run0

GLYC - Diff @ Surface for Apr



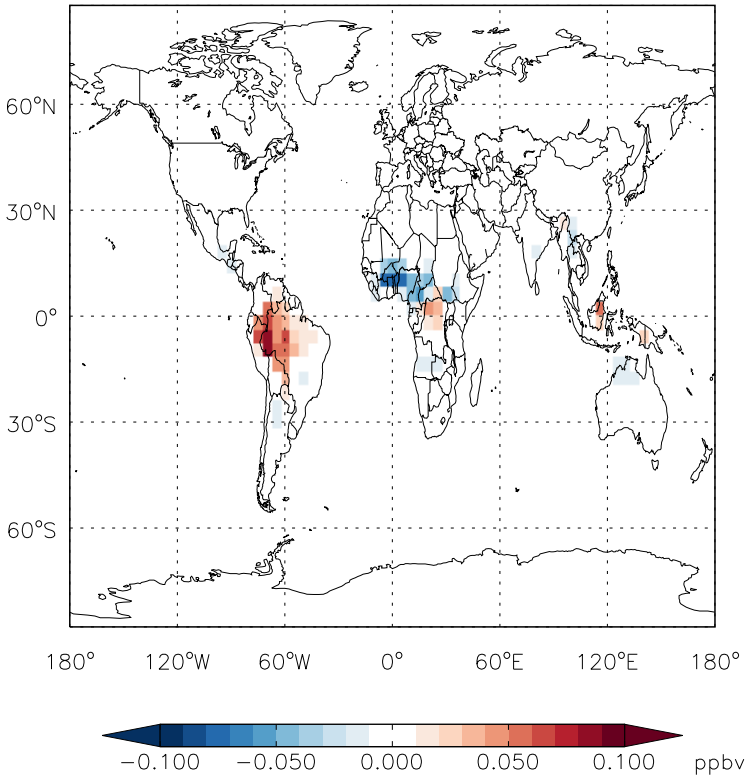
v11-01d-Run1 - v11-01b-Run0

GLYC- Diff @ 500 hPa for Apr



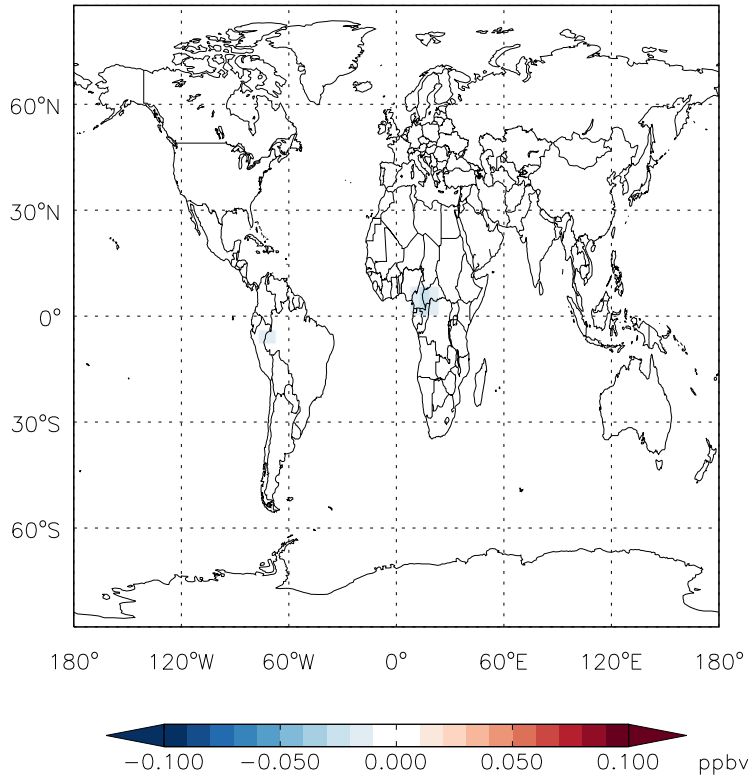
v11-01d-Run1 - v10-01-public-Run0

GLYC - Diff @ Surface for Apr



v11-01d-Run1 - v10-01-public-Run0

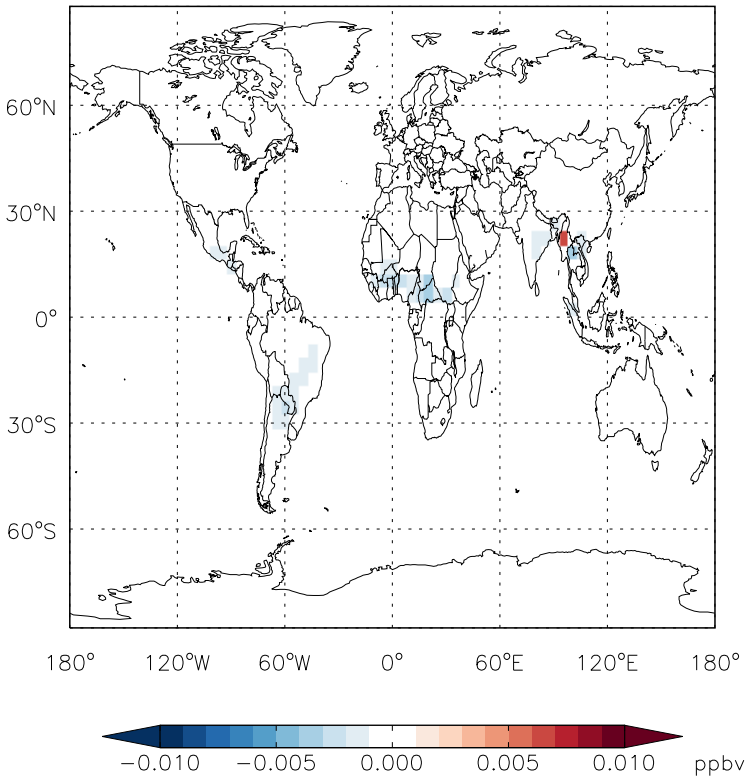
GLYC- Diff @ 500 hPa for Apr



GEOS-Chem Difference Maps at surface and 500 hPa

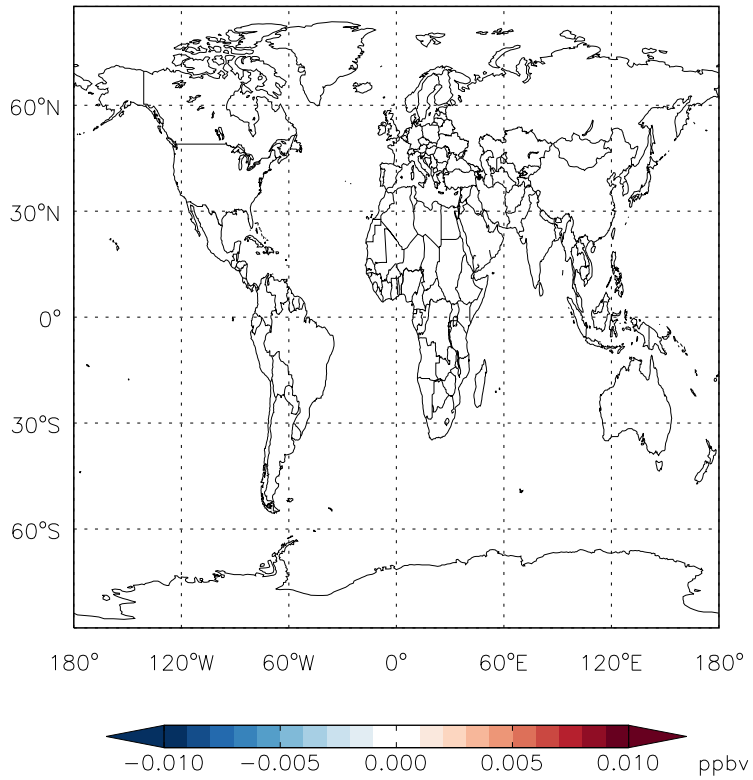
v11-01d-Run1 - v11-01b-Run0

MMN - Diff @ Surface for Apr



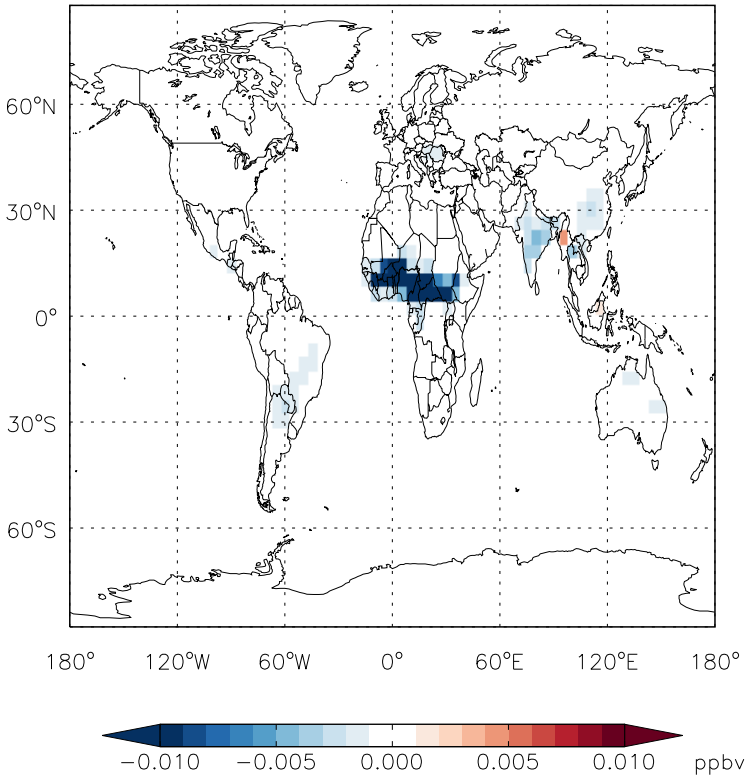
v11-01d-Run1 - v11-01b-Run0

MMN- Diff @ 500 hPa for Apr



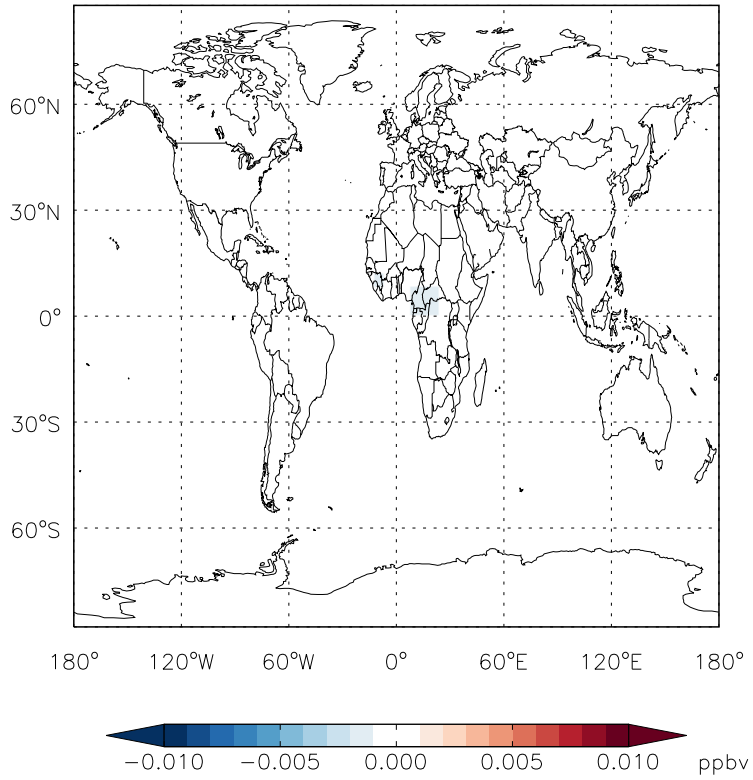
v11-01d-Run1 - v10-01-public-Run0

MMN - Diff @ Surface for Apr



v11-01d-Run1 - v10-01-public-Run0

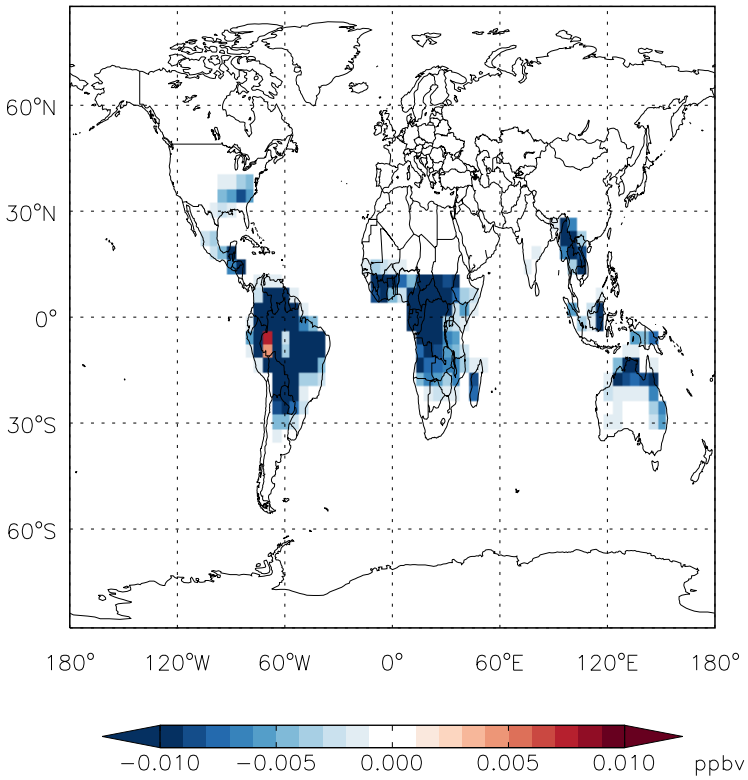
MMN- Diff @ 500 hPa for Apr



GEOS–Chem Difference Maps at surface and 500 hPa

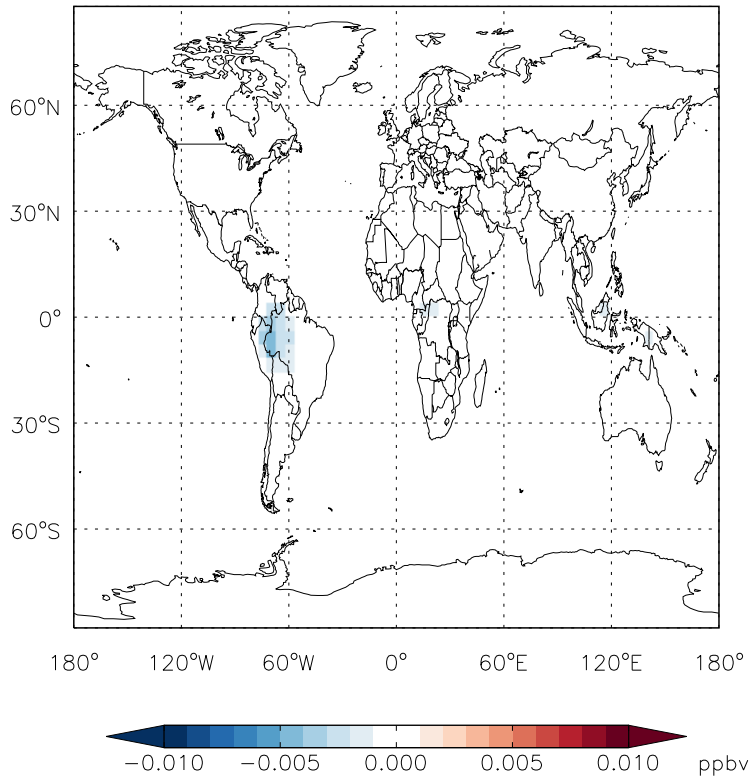
v11–01d–Run1 – v11–01b–Run0

RIP – Diff @ Surface for Apr



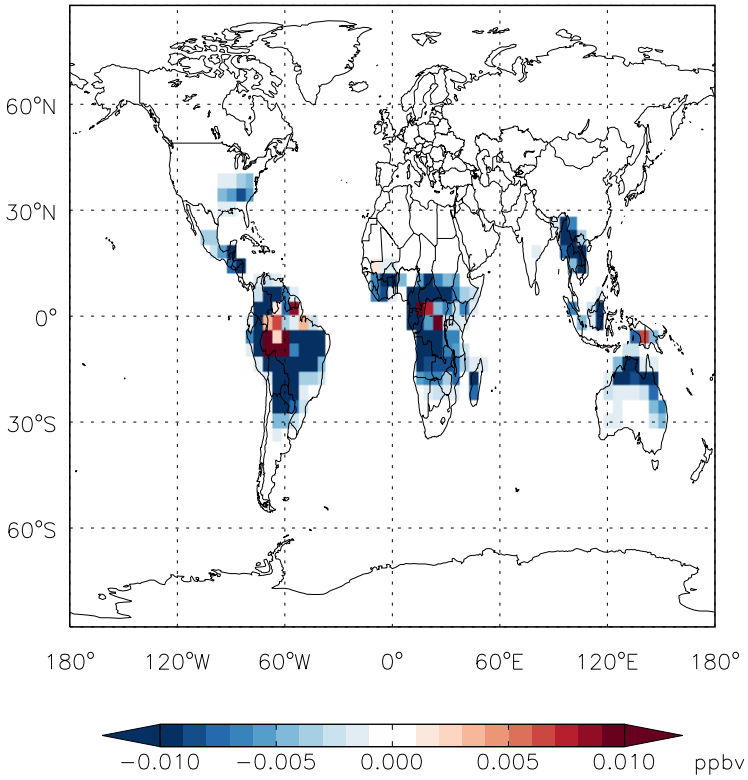
v11–01d–Run1 – v11–01b–Run0

RIP– Diff @ 500 hPa for Apr



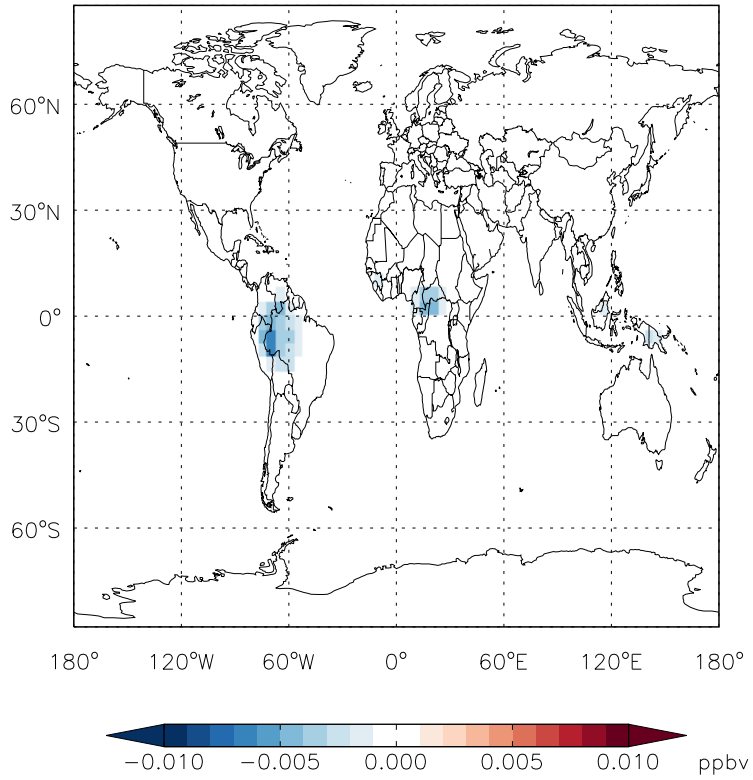
v11–01d–Run1 – v10–01–public–Run0

RIP – Diff @ Surface for Apr



v11–01d–Run1 – v10–01–public–Run0

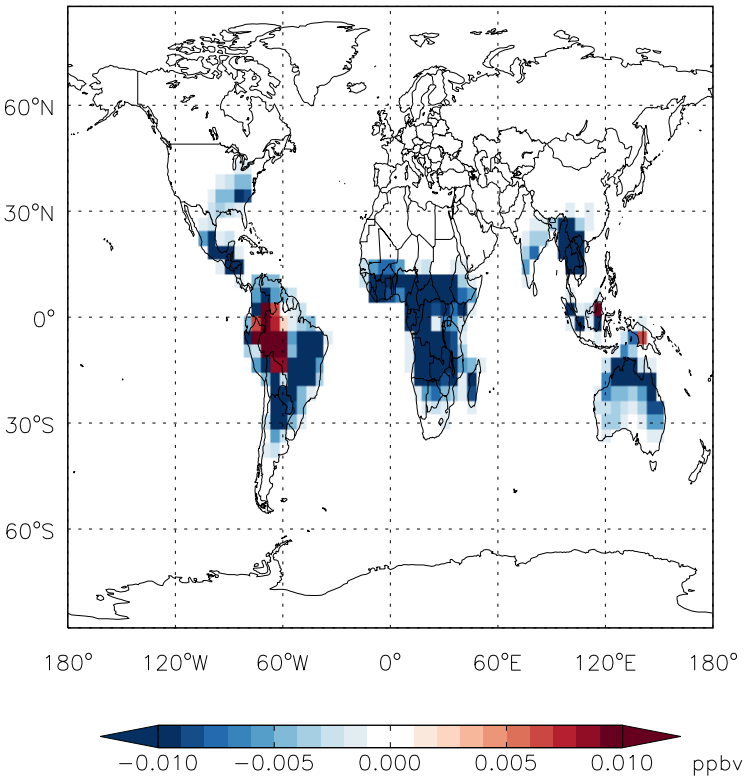
RIP– Diff @ 500 hPa for Apr



GEOS−Chem Difference Maps at surface and 500 hPa

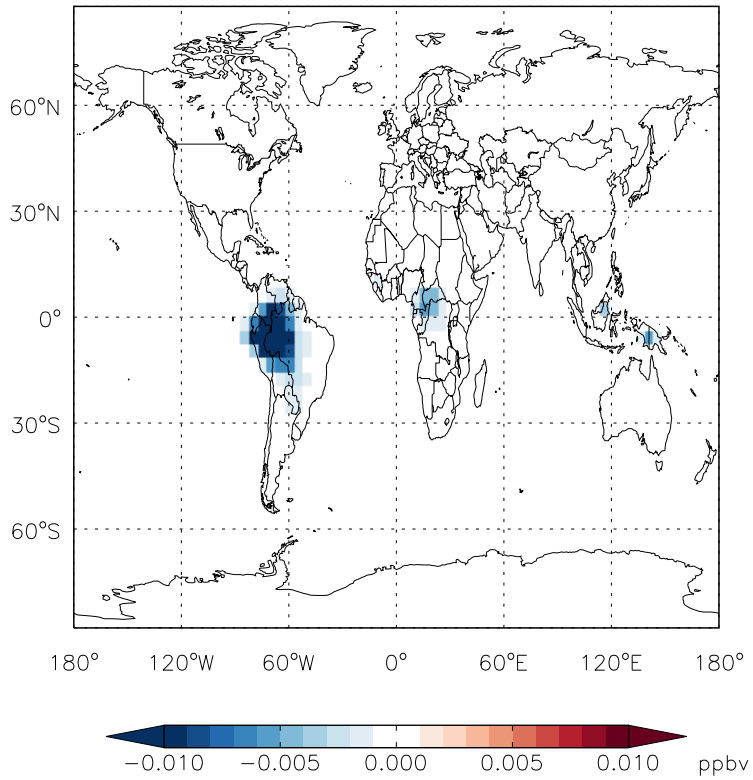
v11−01d−Run1 − v11−01b−Run0

IEPOX − Diff @ Surface for Apr



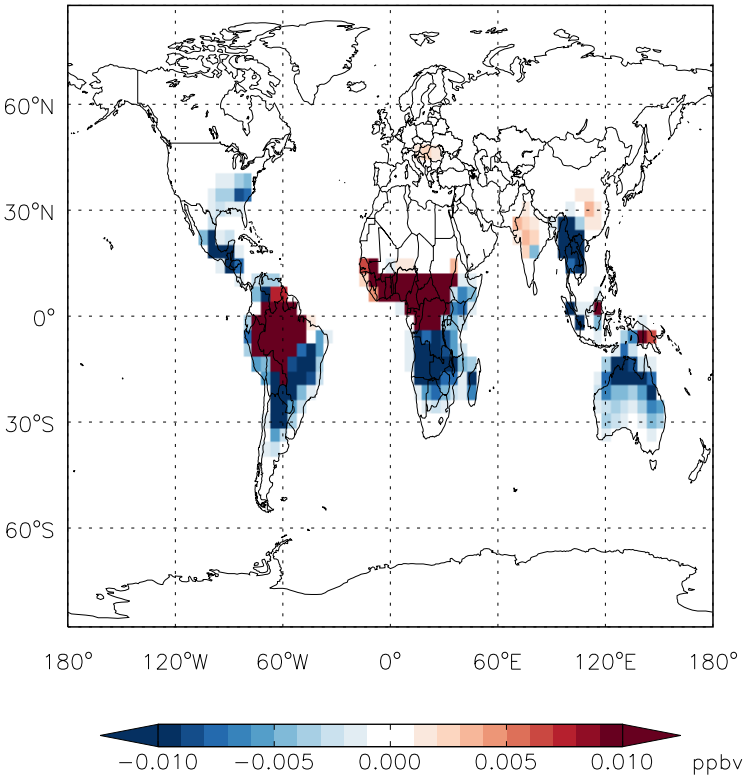
v11−01d−Run1 − v11−01b−Run0

IEPOX− Diff @ 500 hPa for Apr



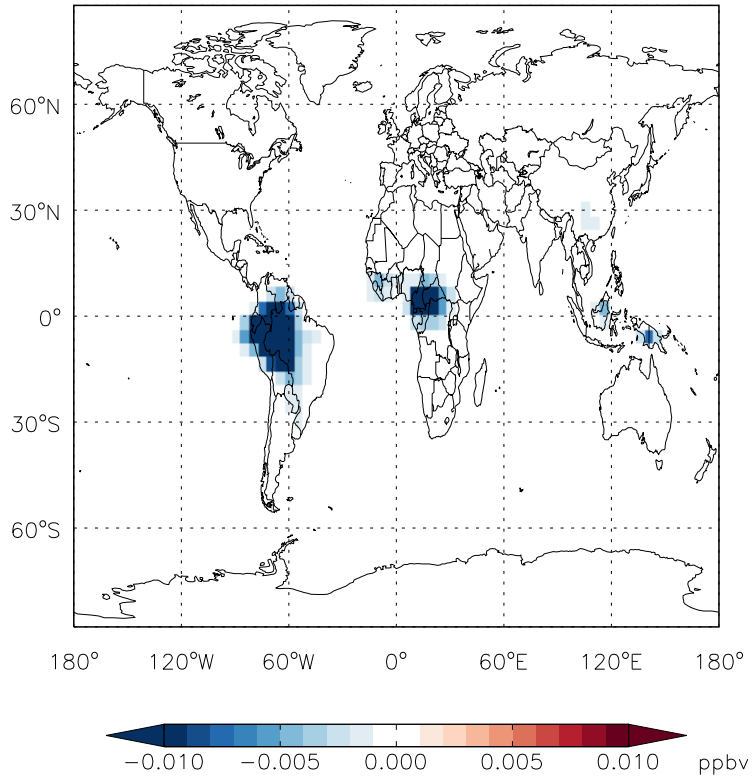
v11−01d−Run1 − v10−01−public−Run0

IEPOX − Diff @ Surface for Apr



v11−01d−Run1 − v10−01−public−Run0

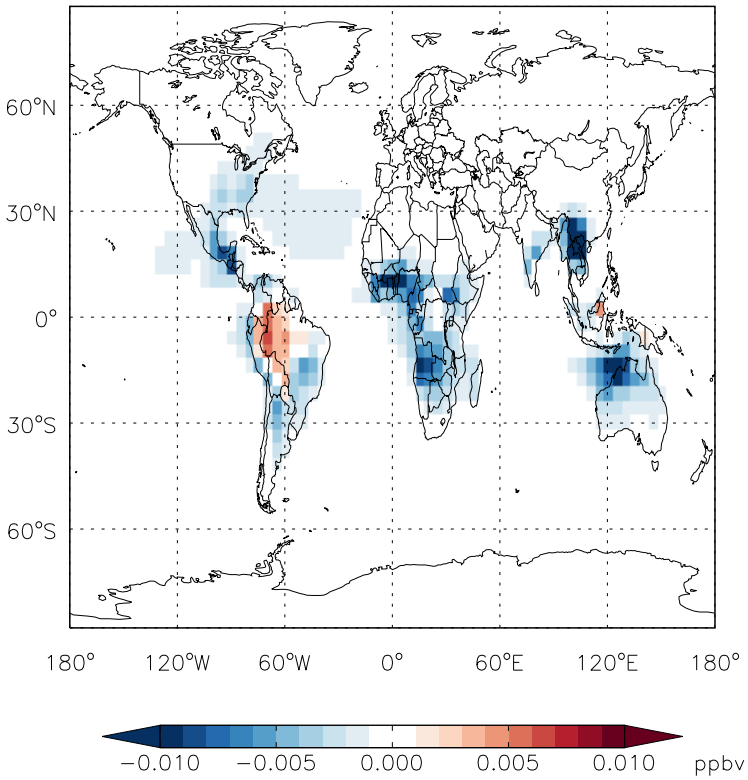
IEPOX− Diff @ 500 hPa for Apr



GEOS−Chem Difference Maps at surface and 500 hPa

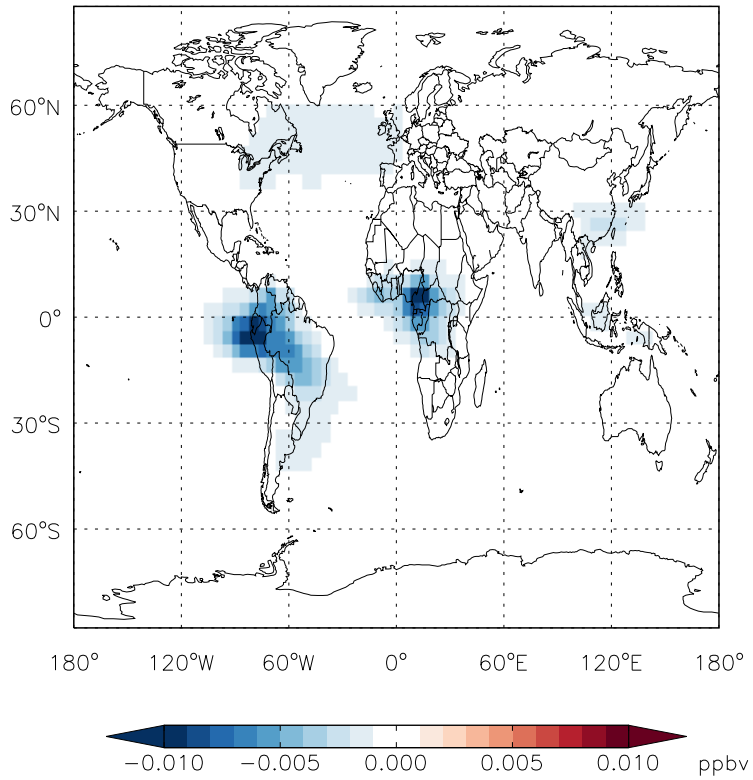
v11−01d−Run1 − v11−01b−Run0

MAP − Diff @ Surface for Apr



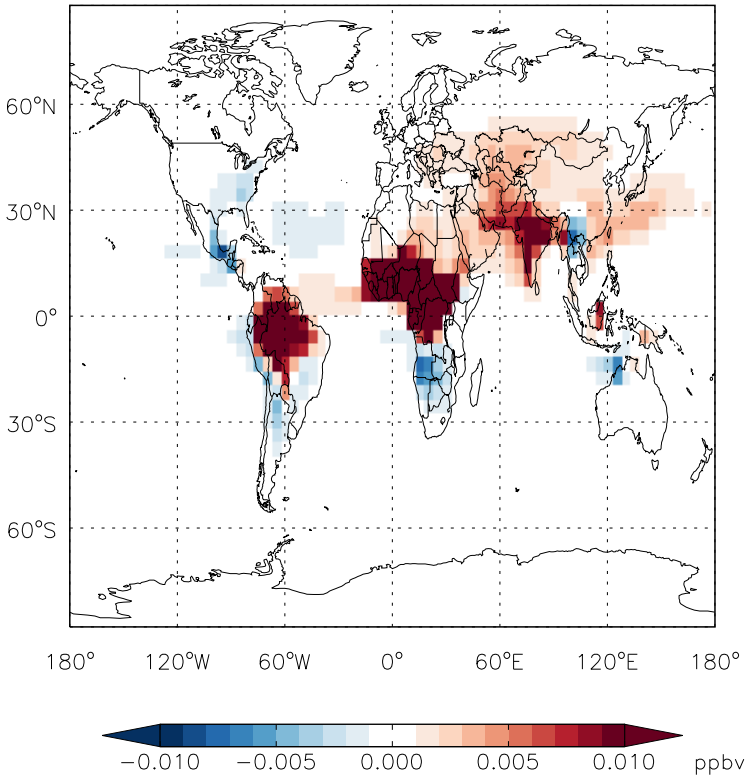
v11−01d−Run1 − v11−01b−Run0

MAP− Diff @ 500 hPa for Apr



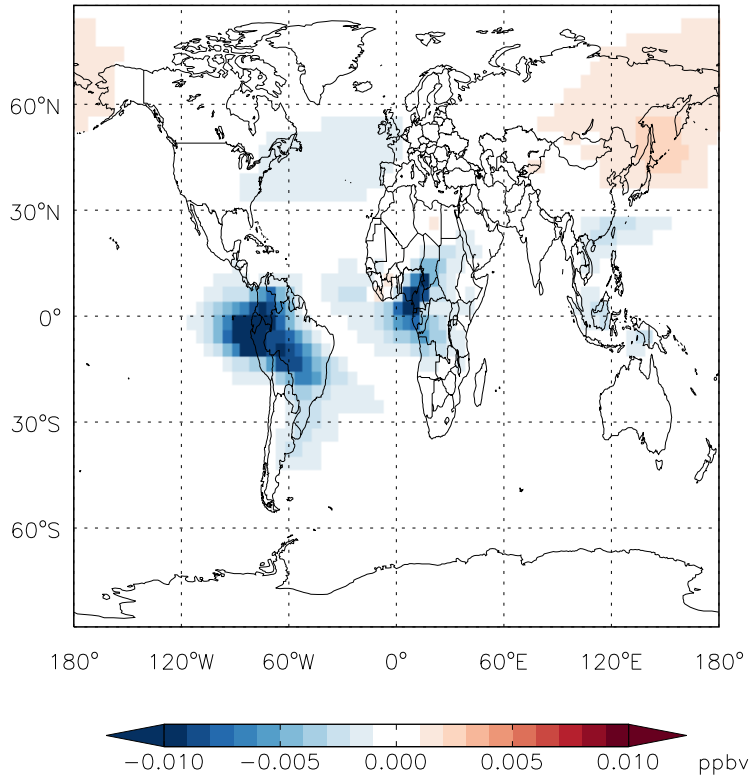
v11−01d−Run1 − v10−01−public−Run0

MAP − Diff @ Surface for Apr



v11−01d−Run1 − v10−01−public−Run0

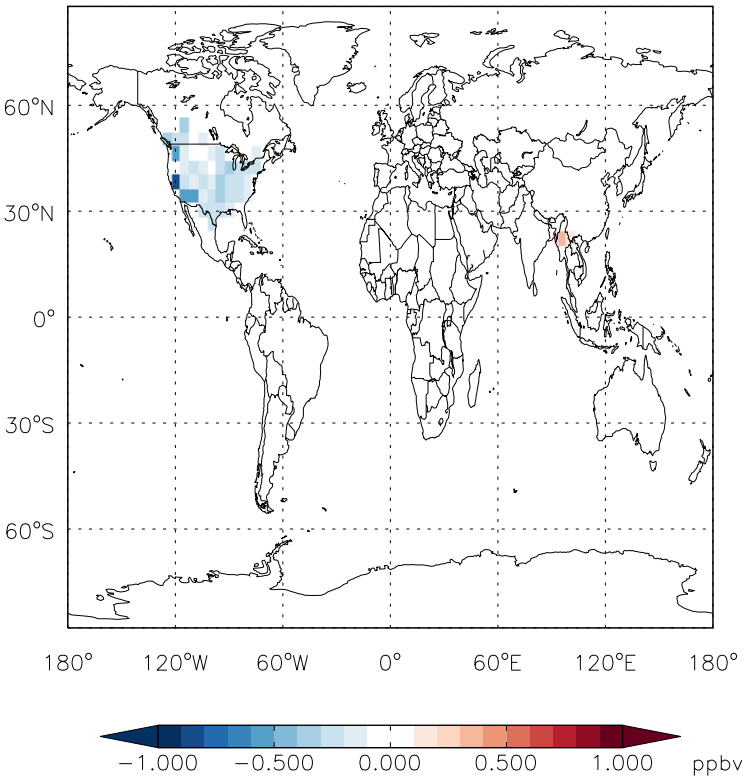
MAP− Diff @ 500 hPa for Apr



GEOS−Chem Difference Maps at surface and 500 hPa

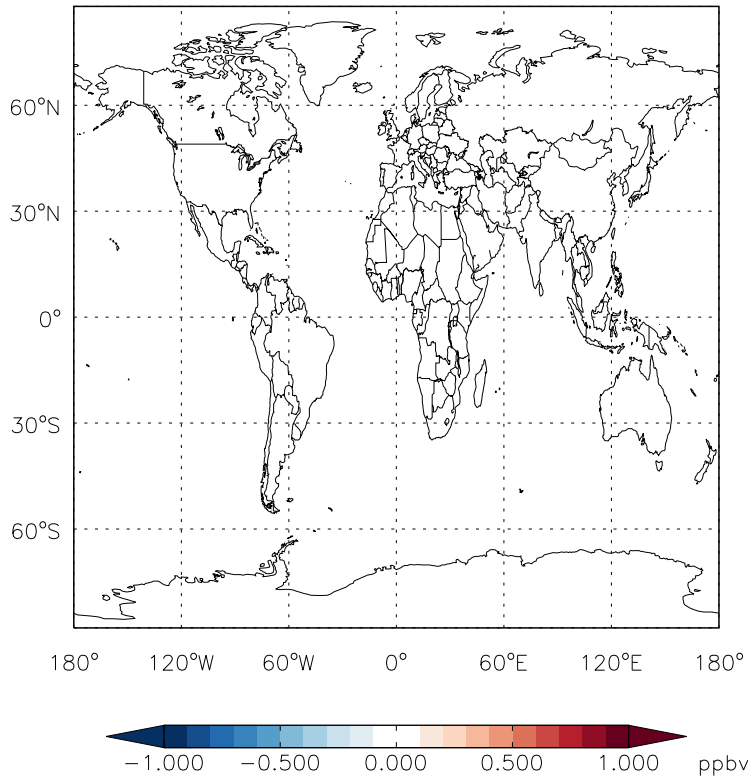
v11−01d−Run1 − v11−01b−Run0

NO2 − Diff @ Surface for Apr



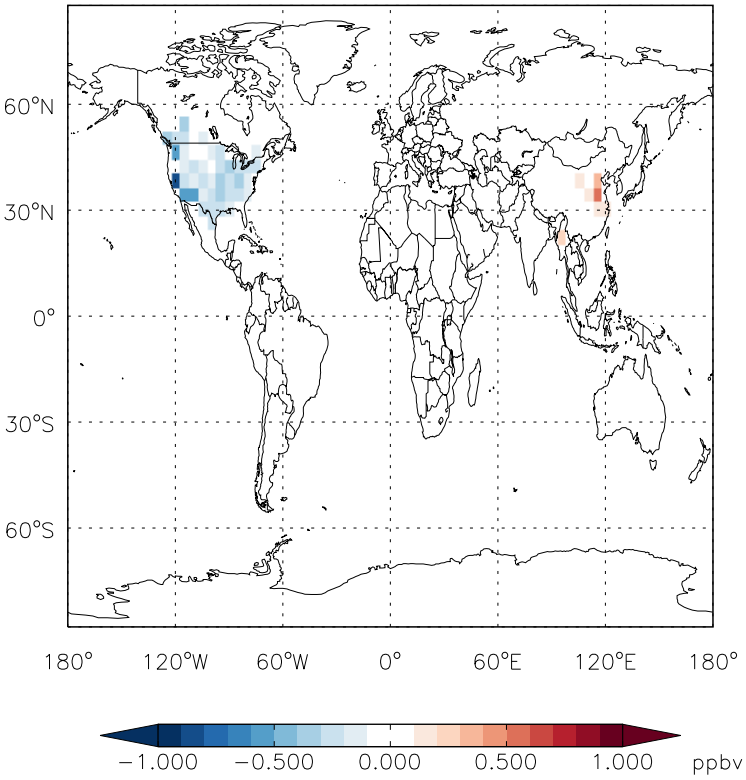
v11−01d−Run1 − v11−01b−Run0

NO2− Diff @ 500 hPa for Apr



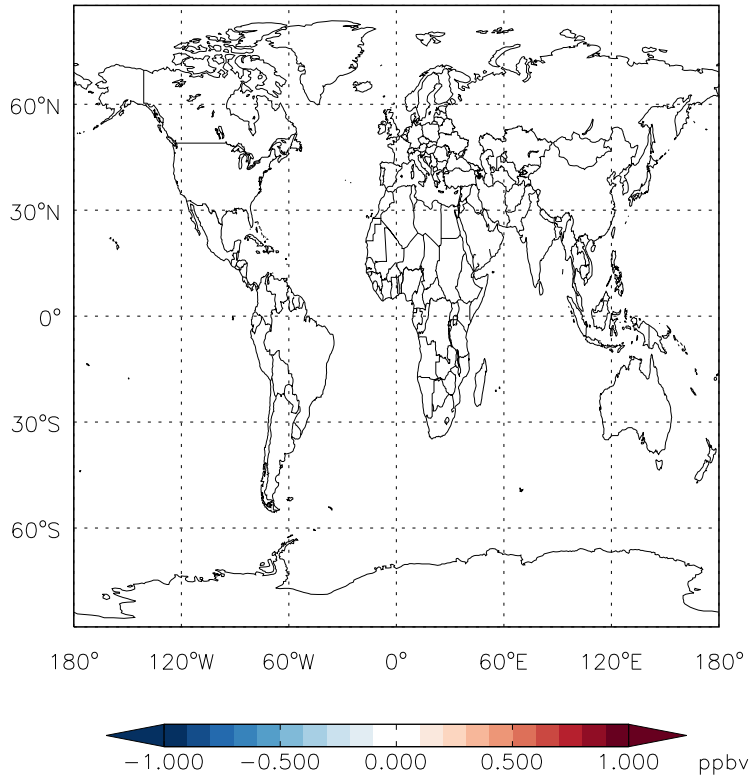
v11−01d−Run1 − v10−01−public−Run0

NO2 − Diff @ Surface for Apr



v11−01d−Run1 − v10−01−public−Run0

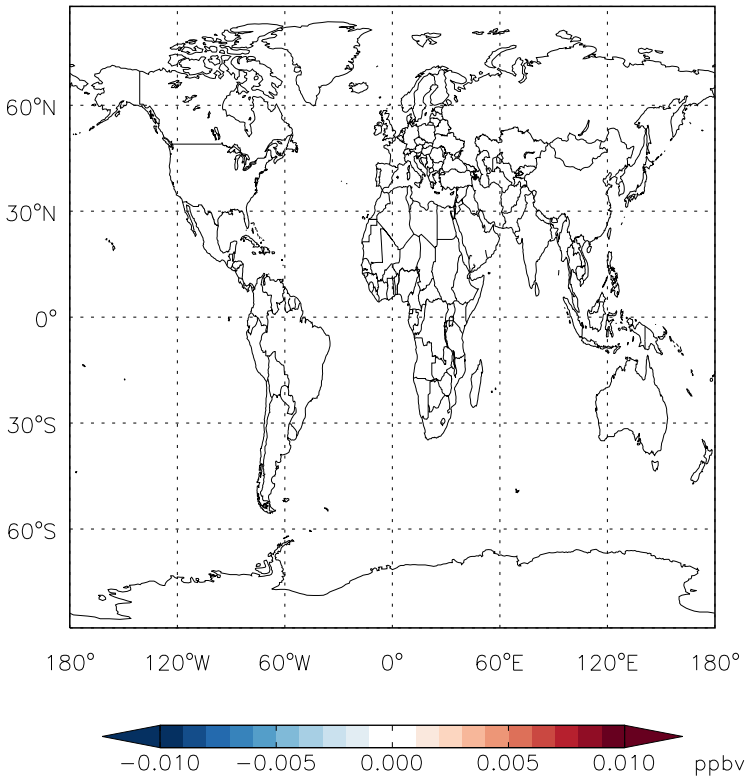
NO2− Diff @ 500 hPa for Apr



GEOS−Chem Difference Maps at surface and 500 hPa

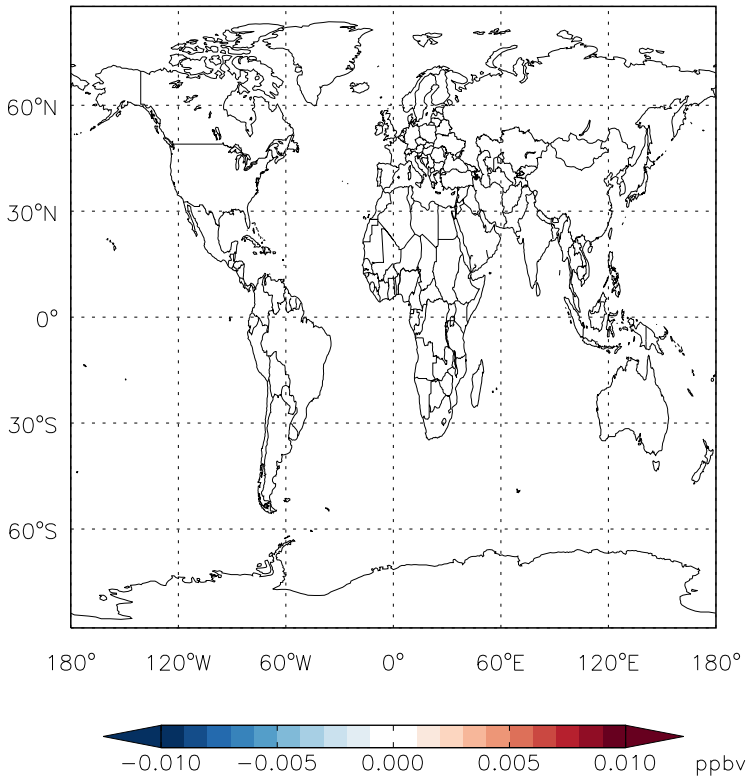
v11−01d−Run1 − v11−01b−Run0

NO3 − Diff @ Surface for Apr



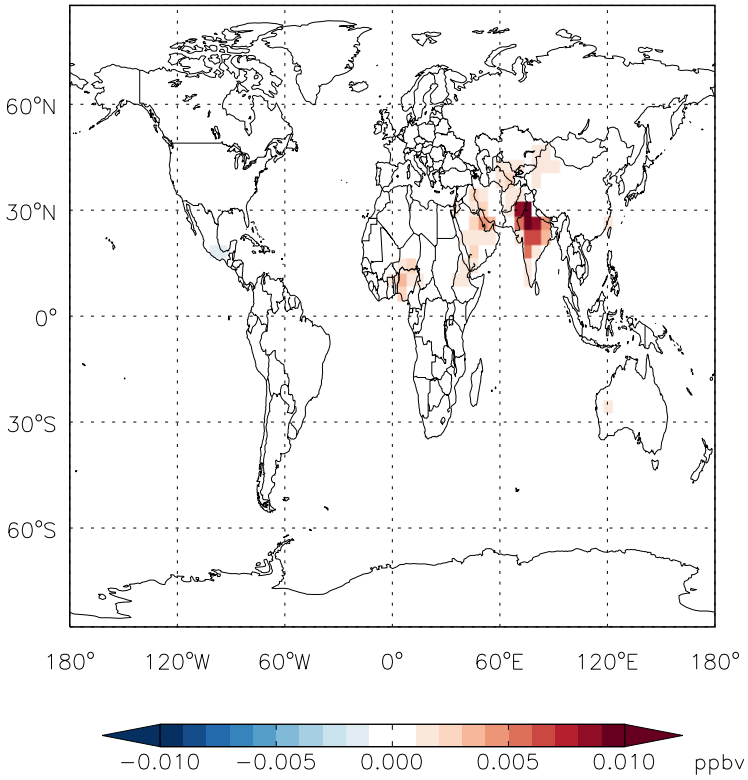
v11−01d−Run1 − v11−01b−Run0

NO3− Diff @ 500 hPa for Apr



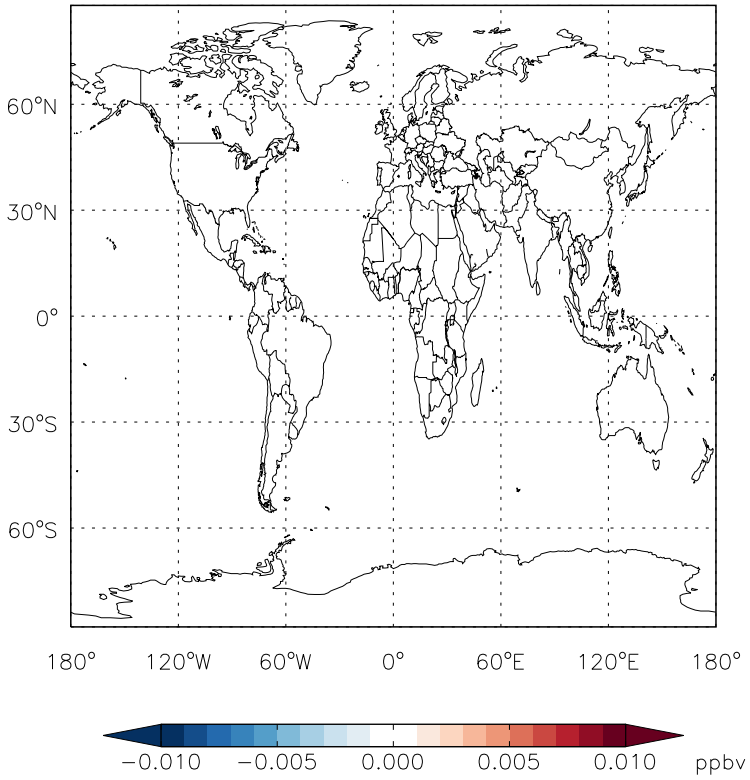
v11−01d−Run1 − v10−01−public−Run0

NO3 − Diff @ Surface for Apr



v11−01d−Run1 − v10−01−public−Run0

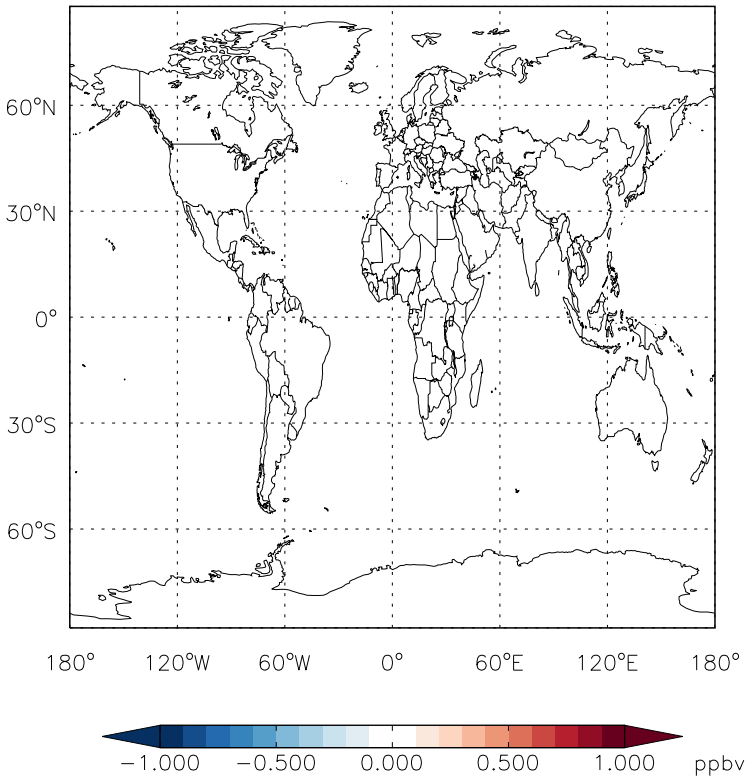
NO3− Diff @ 500 hPa for Apr



GEOS−Chem Difference Maps at surface and 500 hPa

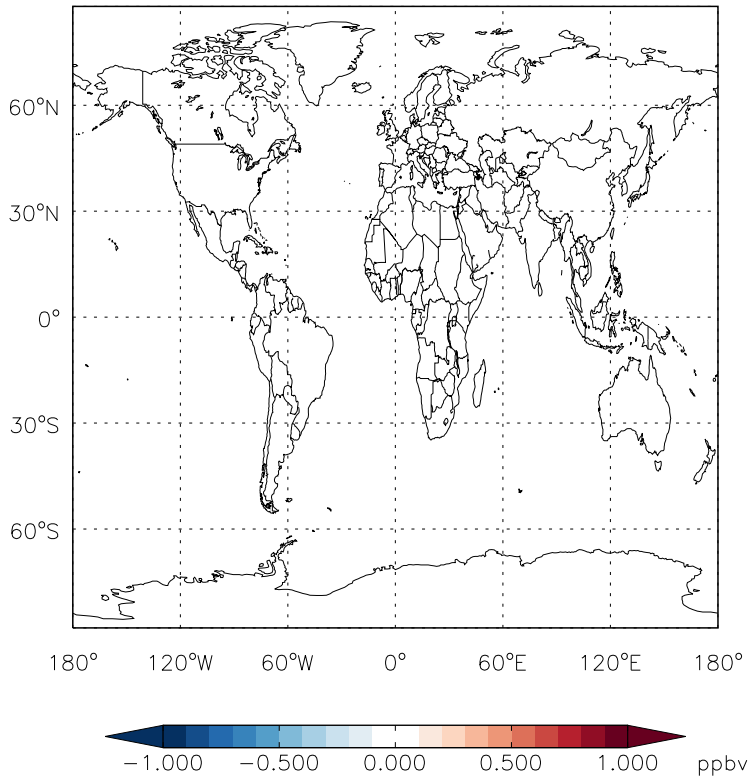
v11−01d−Run1 − v11−01b−Run0

HNO2 − Diff @ Surface for Apr



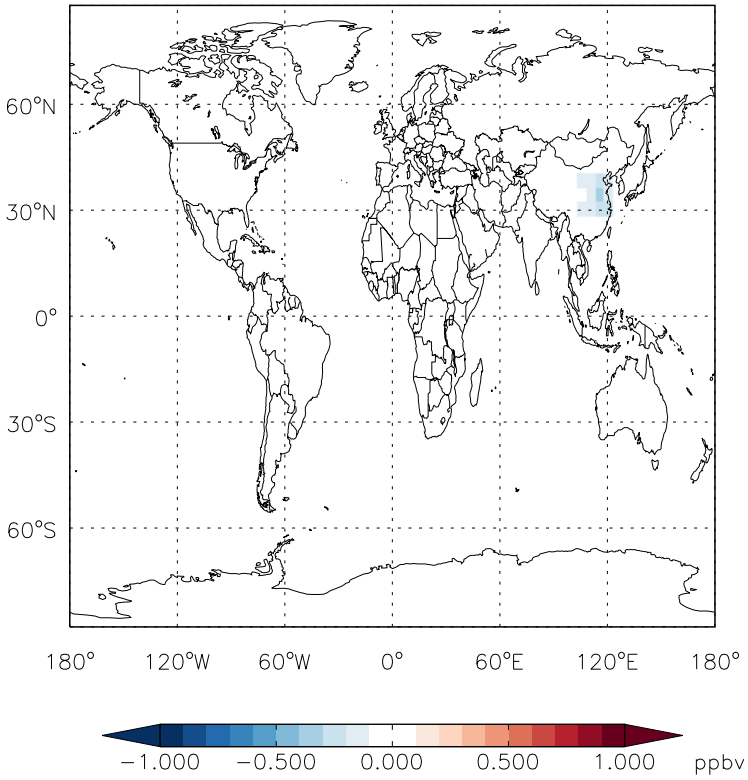
v11−01d−Run1 − v11−01b−Run0

HNO2− Diff @ 500 hPa for Apr



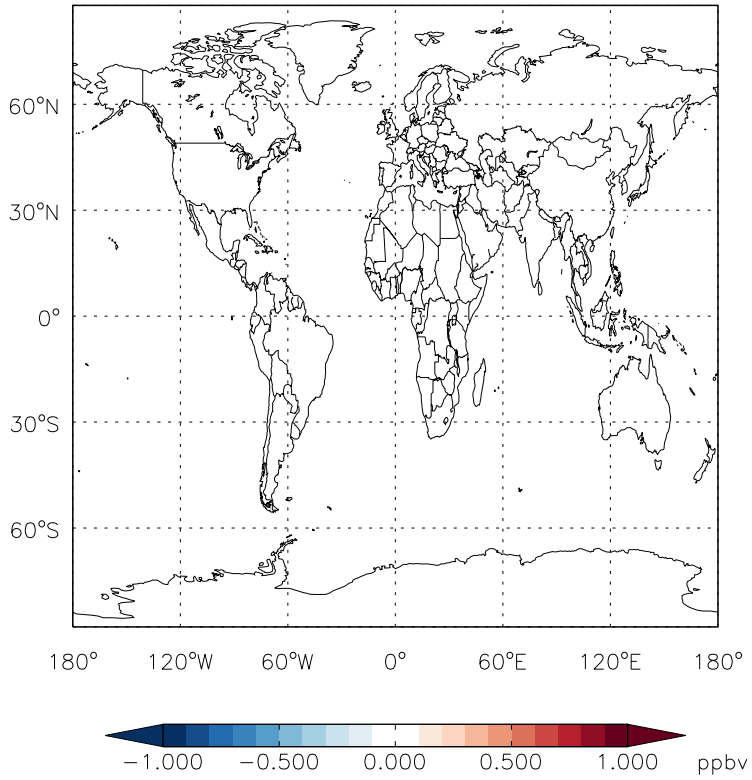
v11−01d−Run1 − v10−01−public−Run0

HNO2 − Diff @ Surface for Apr



v11−01d−Run1 − v10−01−public−Run0

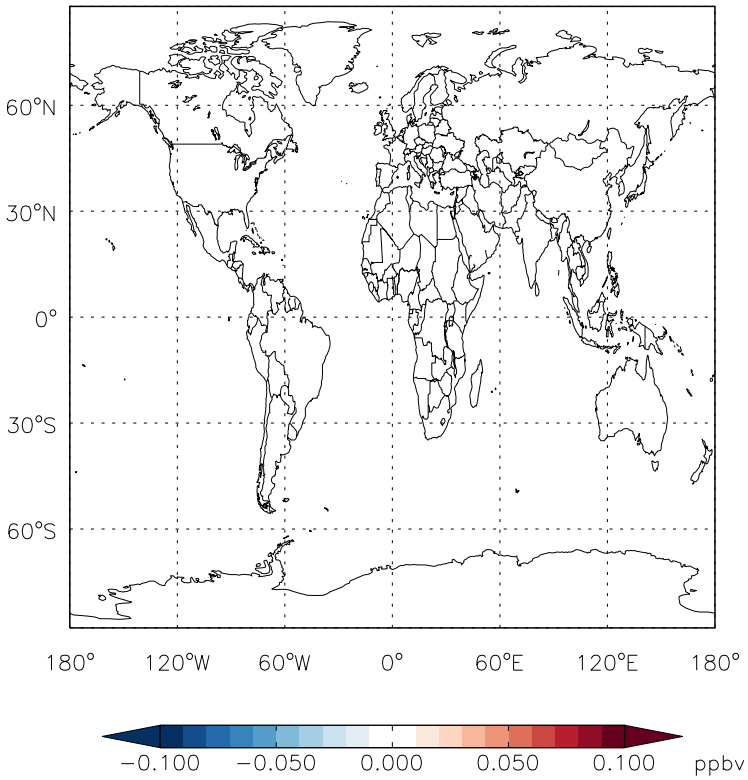
HNO2− Diff @ 500 hPa for Apr



GEOS−Chem Difference Maps at surface and 500 hPa

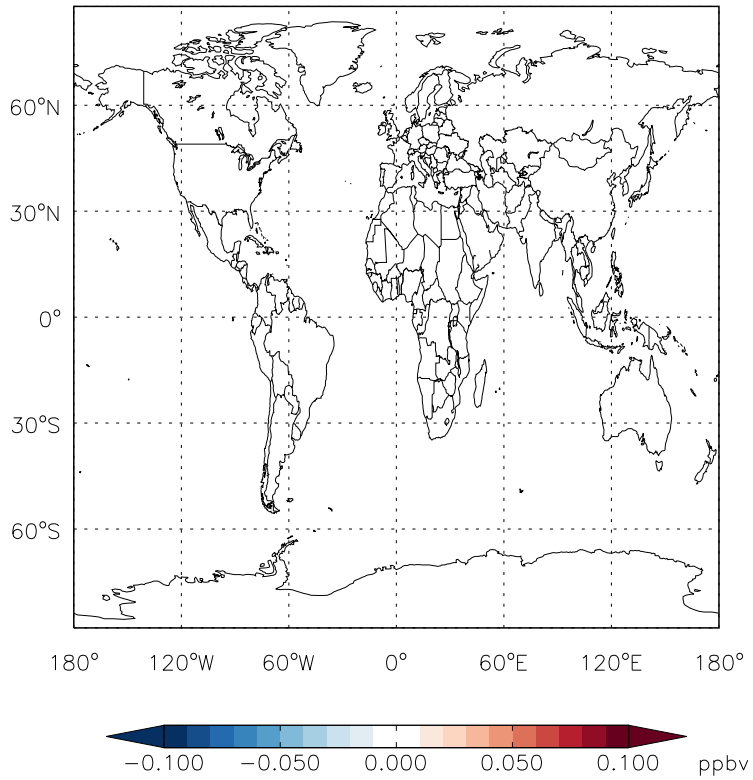
v11−01d−Run1 − v11−01b−Run0

N2O − Diff @ Surface for Apr



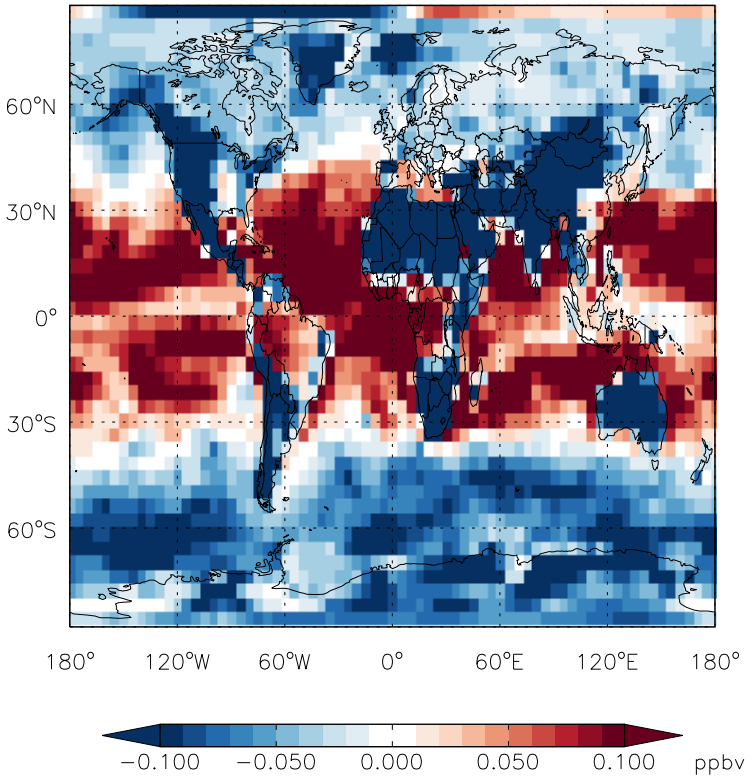
v11−01d−Run1 − v11−01b−Run0

N2O− Diff @ 500 hPa for Apr



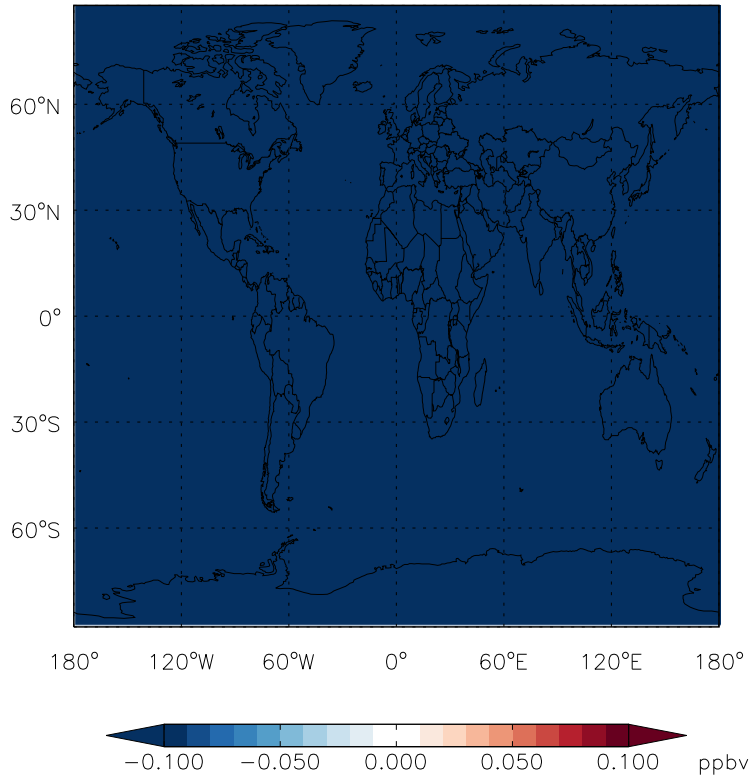
v11−01d−Run1 − v10−01−public−Run0

N2O − Diff @ Surface for Apr



v11−01d−Run1 − v10−01−public−Run0

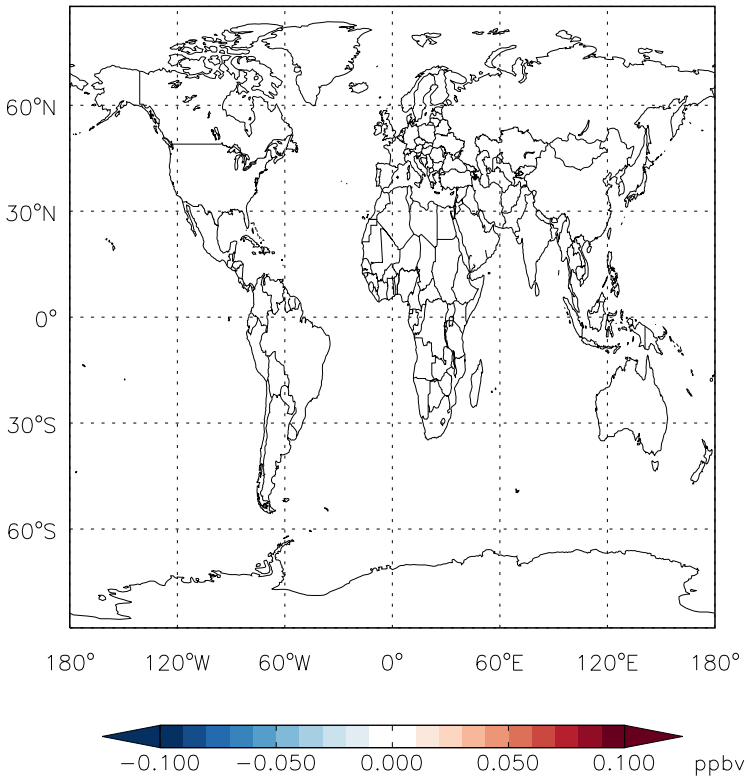
N2O− Diff @ 500 hPa for Apr



GEOS−Chem Difference Maps at surface and 500 hPa

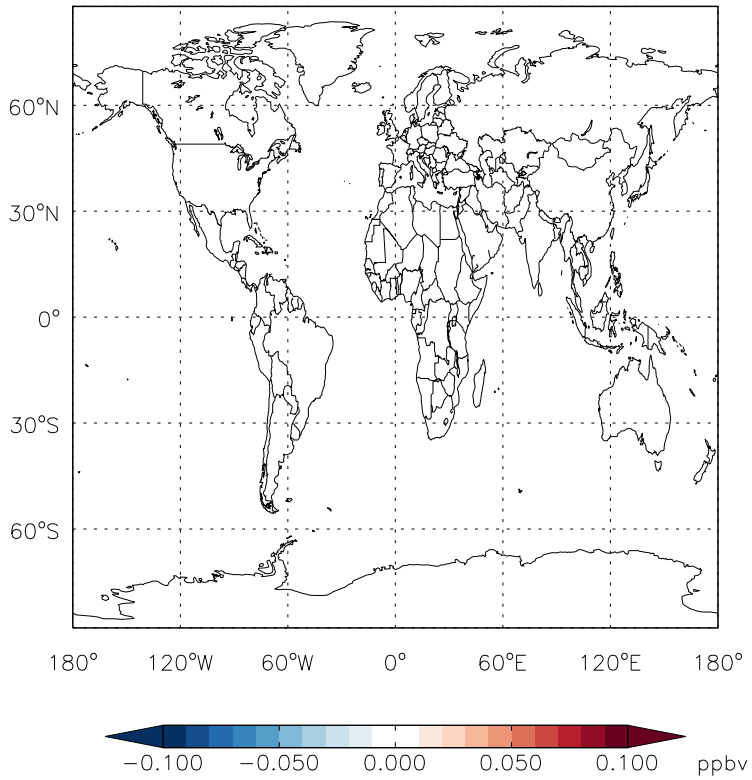
v11−01d−Run1 − v11−01b−Run0

OCS − Diff @ Surface for Apr



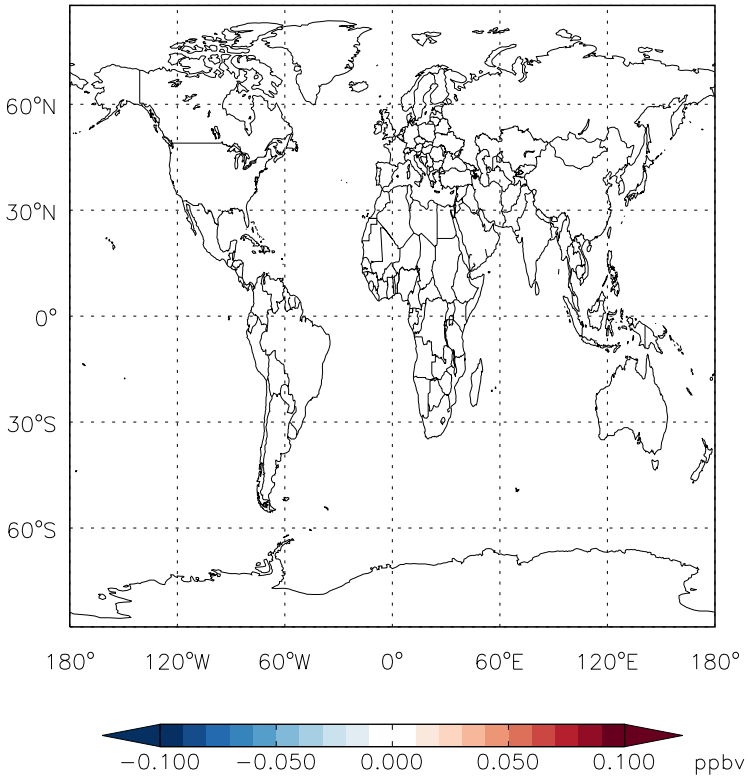
v11−01d−Run1 − v11−01b−Run0

OCS− Diff @ 500 hPa for Apr



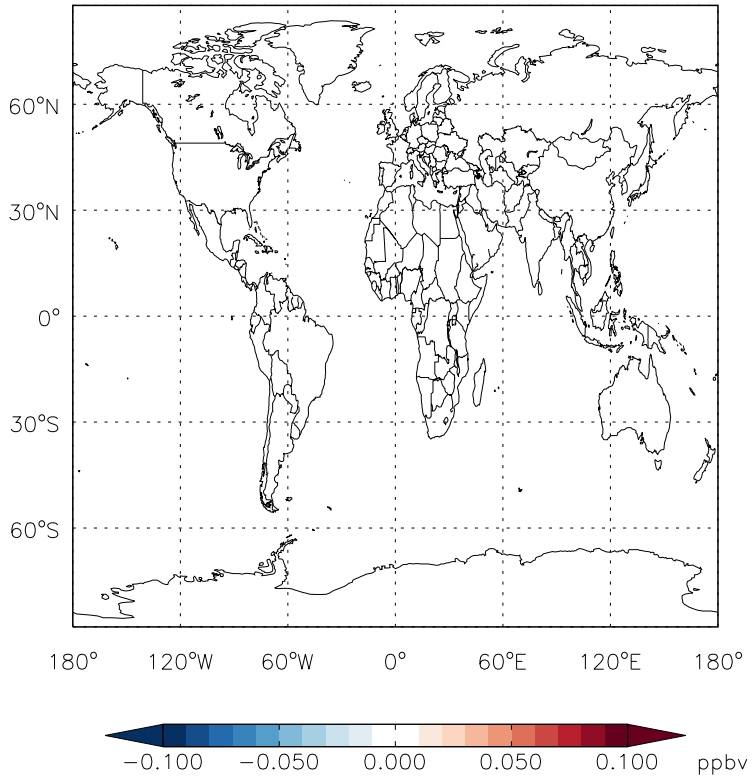
v11−01d−Run1 − v10−01−public−Run0

OCS − Diff @ Surface for Apr



v11−01d−Run1 − v10−01−public−Run0

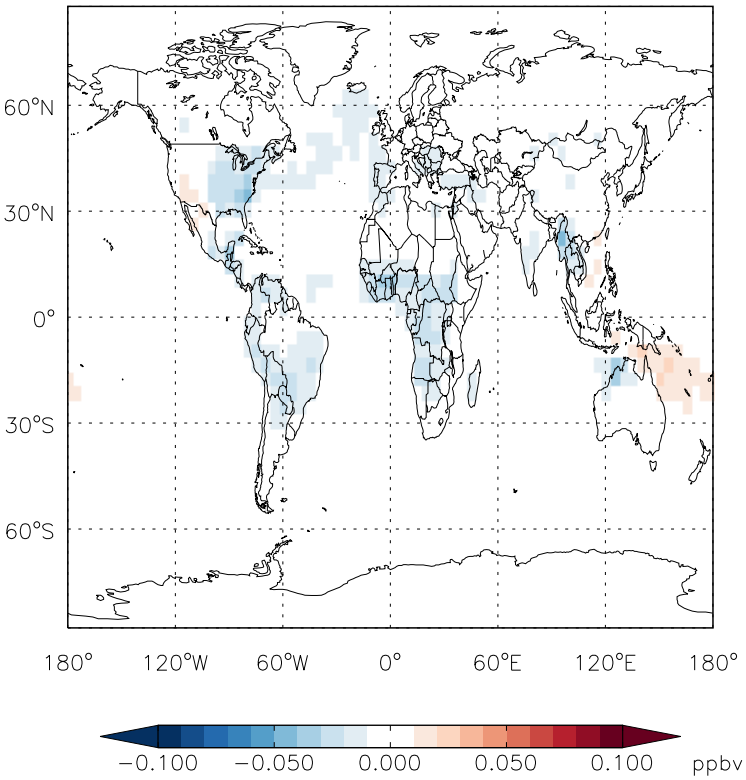
OCS− Diff @ 500 hPa for Apr



GEOS−Chem Difference Maps at surface and 500 hPa

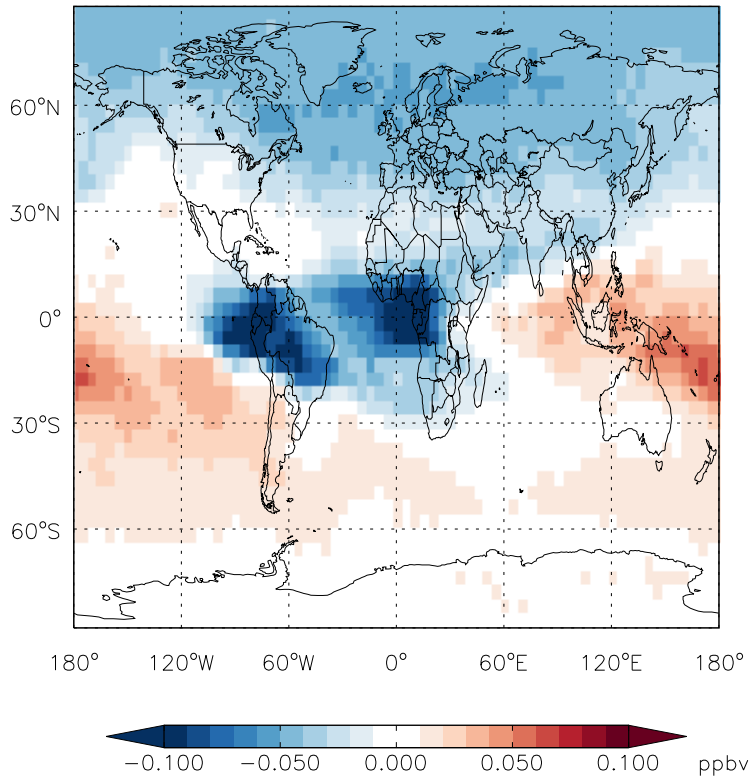
v11−01d−Run1 − v11−01b−Run0

CH4 − Diff @ Surface for Apr



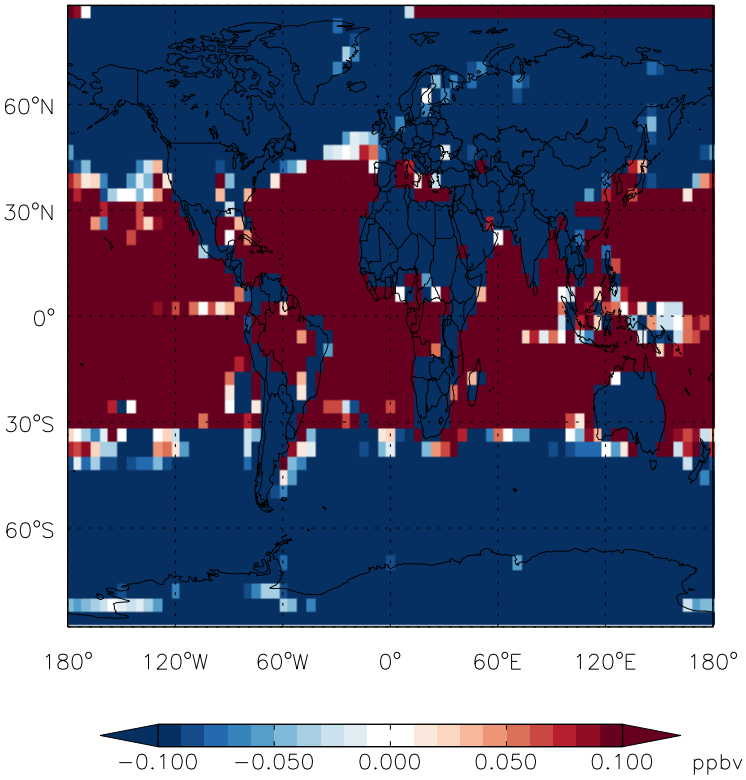
v11−01d−Run1 − v11−01b−Run0

CH4− Diff @ 500 hPa for Apr



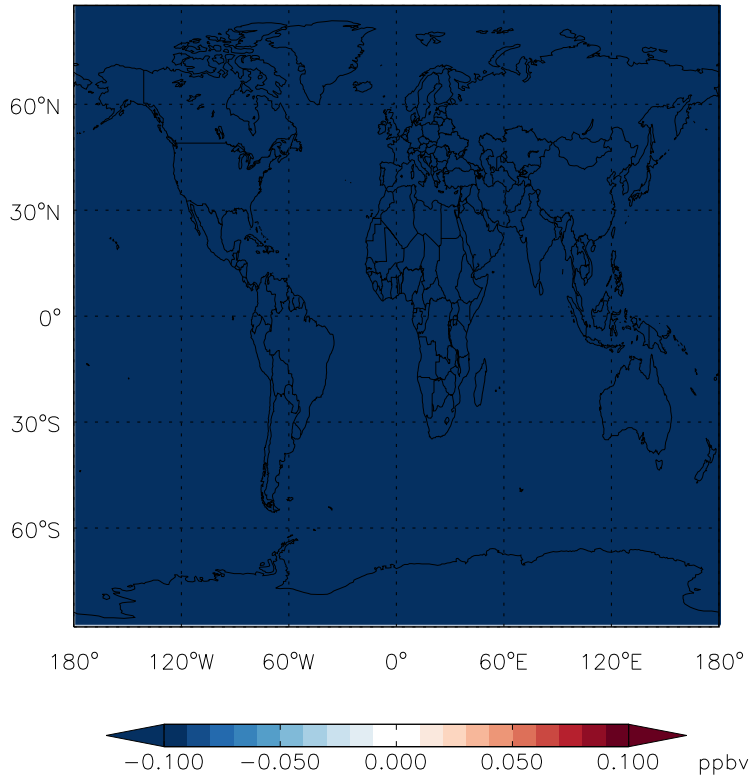
v11−01d−Run1 − v10−01−public−Run0

CH4 − Diff @ Surface for Apr



v11−01d−Run1 − v10−01−public−Run0

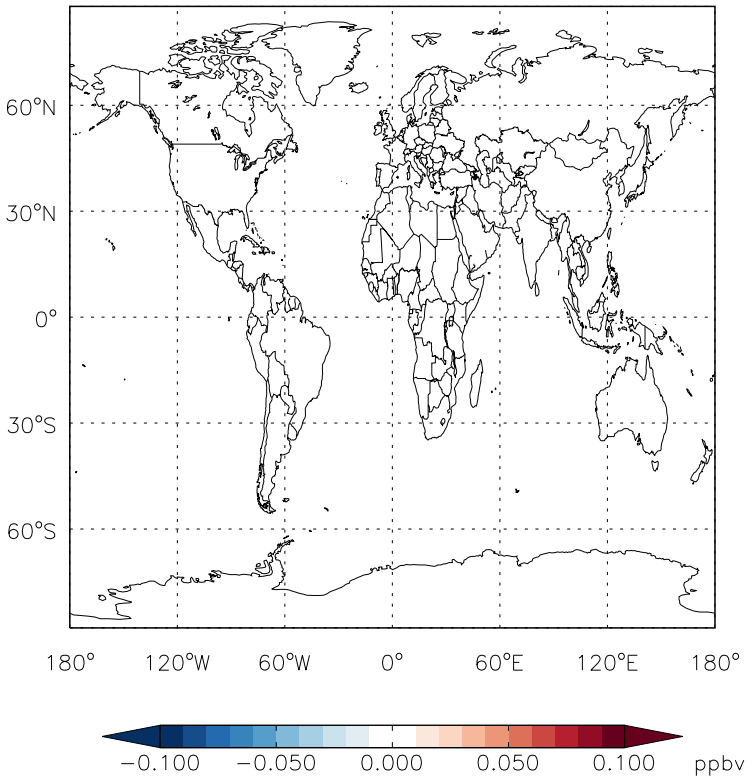
CH4− Diff @ 500 hPa for Apr



GEOS−Chem Difference Maps at surface and 500 hPa

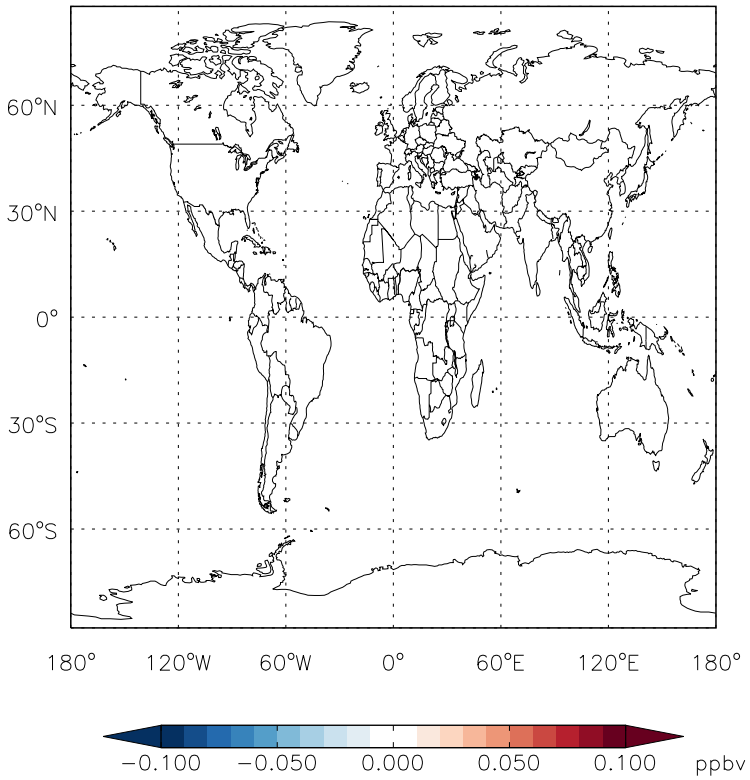
v11−01d−Run1 − v11−01b−Run0

BrCl − Diff @ Surface for Apr



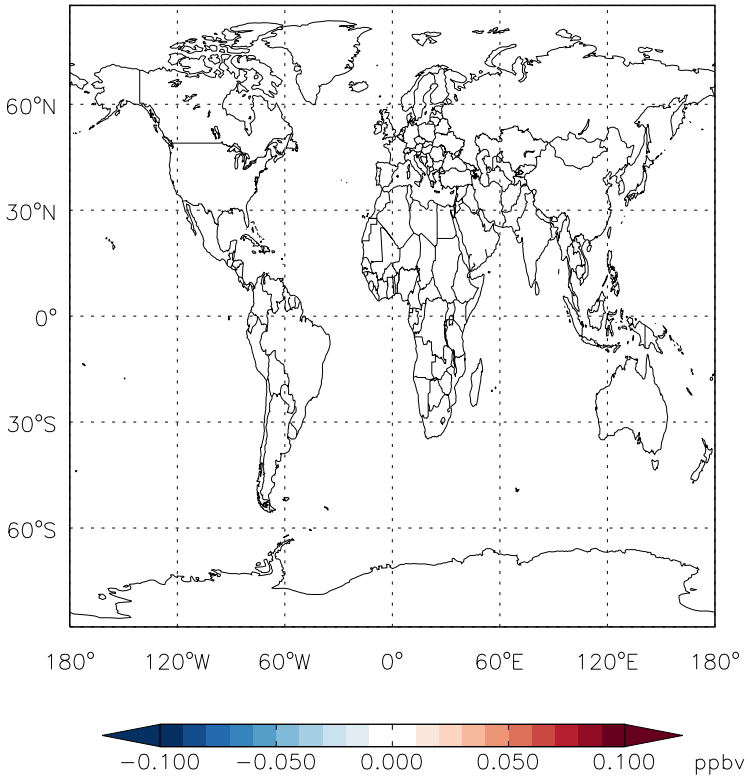
v11−01d−Run1 − v11−01b−Run0

BrCl− Diff @ 500 hPa for Apr



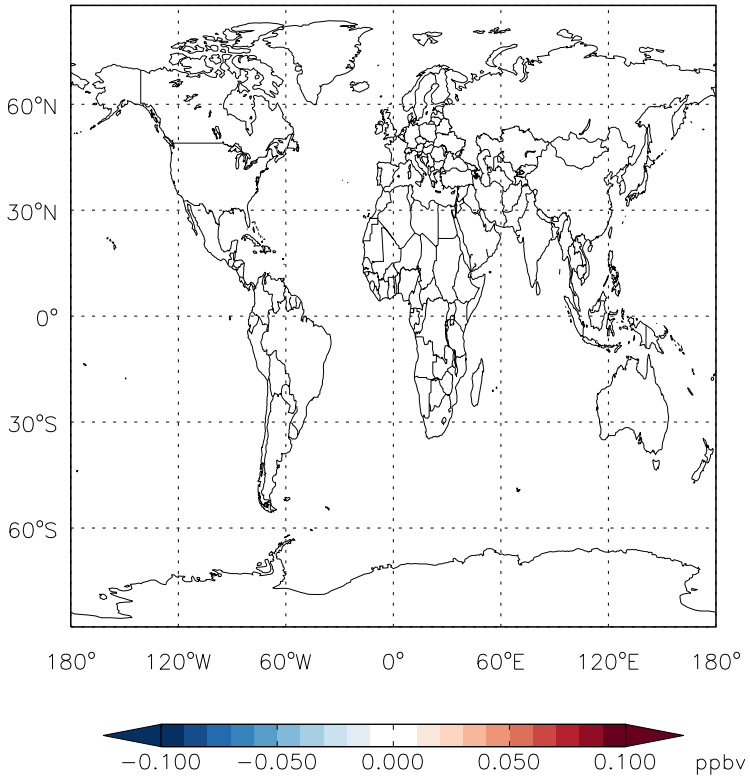
v11−01d−Run1 − v10−01−public−Run0

BrCl − Diff @ Surface for Apr



v11−01d−Run1 − v10−01−public−Run0

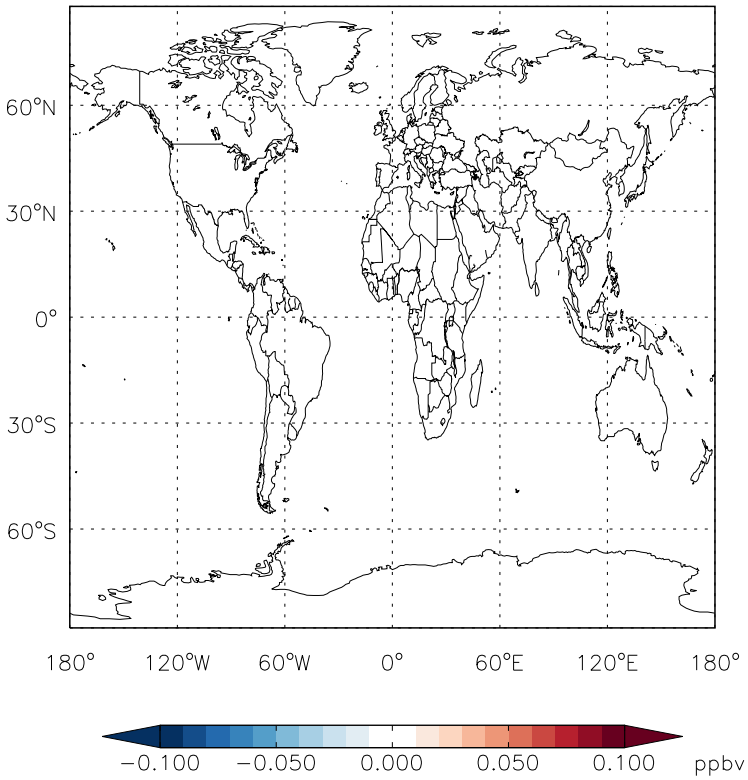
BrCl− Diff @ 500 hPa for Apr



GEOS−Chem Difference Maps at surface and 500 hPa

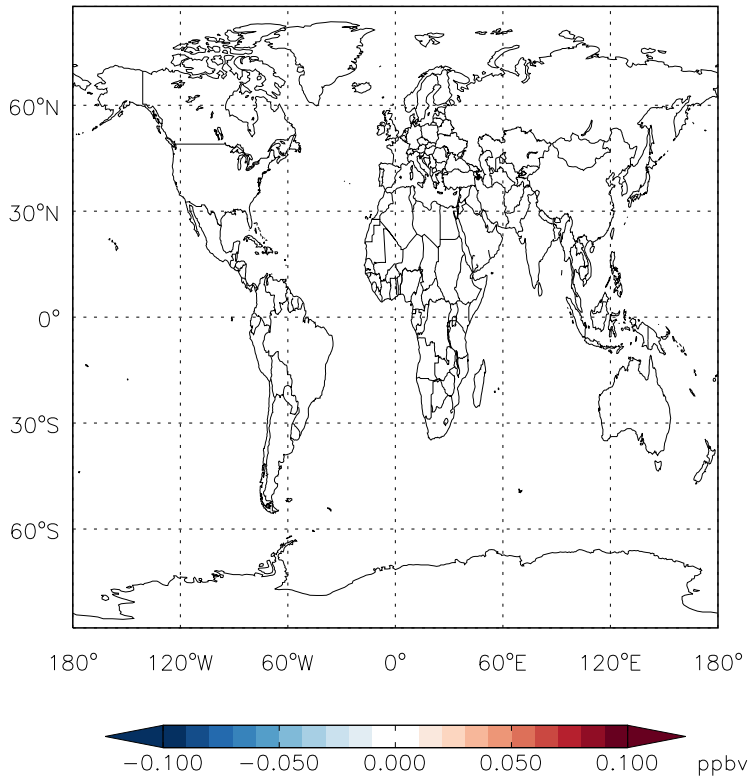
v11−01d−Run1 − v11−01b−Run0

HCl − Diff @ Surface for Apr



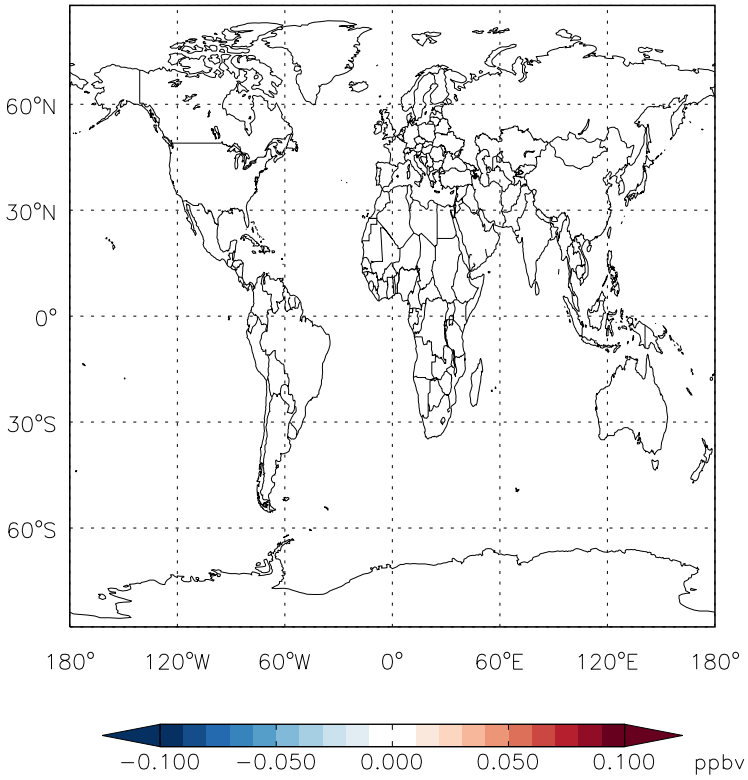
v11−01d−Run1 − v11−01b−Run0

HCl− Diff @ 500 hPa for Apr



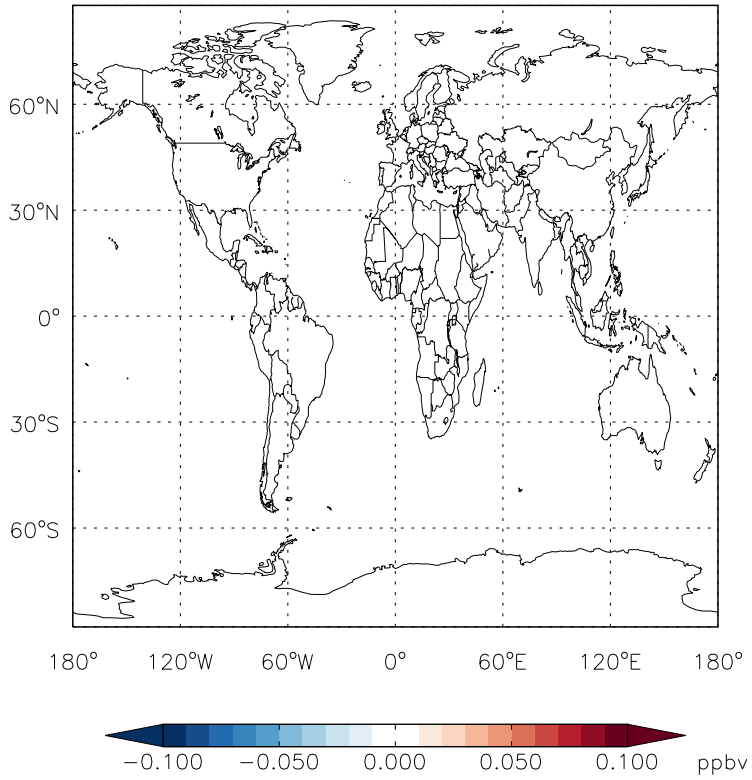
v11−01d−Run1 − v10−01−public−Run0

HCl − Diff @ Surface for Apr



v11−01d−Run1 − v10−01−public−Run0

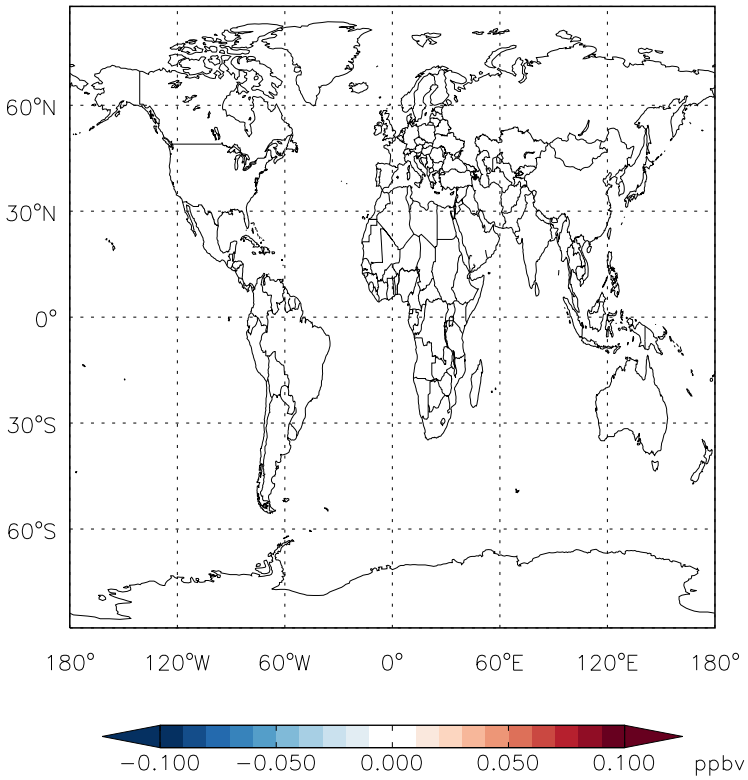
HCl− Diff @ 500 hPa for Apr



GEOS-Chem Difference Maps at surface and 500 hPa

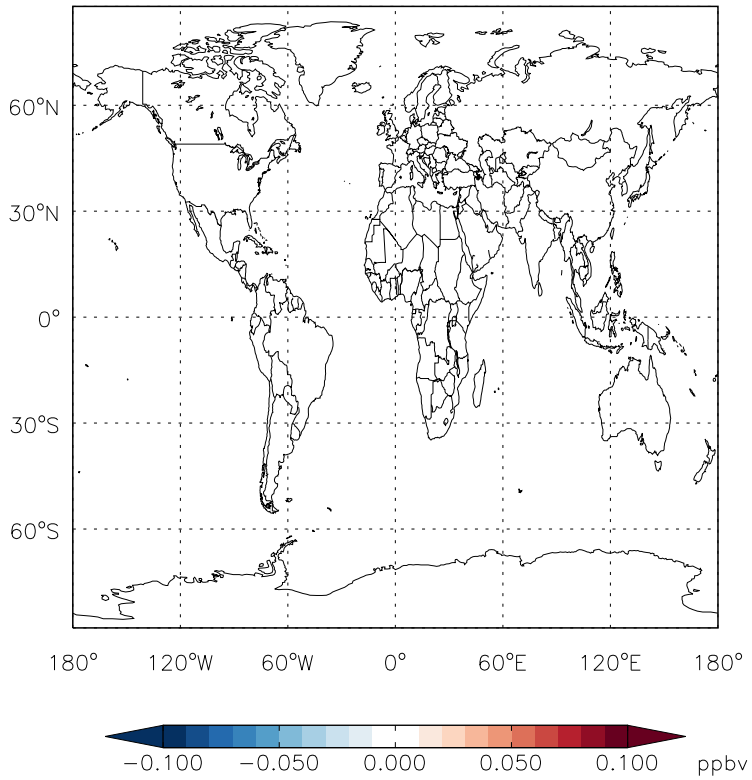
v11-01d-Run1 - v11-01b-Run0

CCl4 - Diff @ Surface for Apr



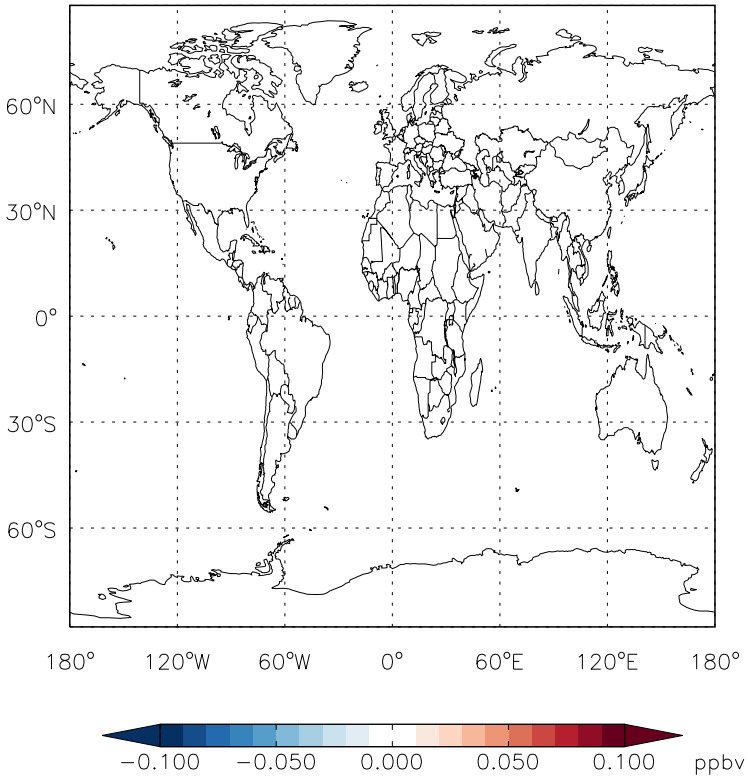
v11-01d-Run1 - v11-01b-Run0

CCl4- Diff @ 500 hPa for Apr



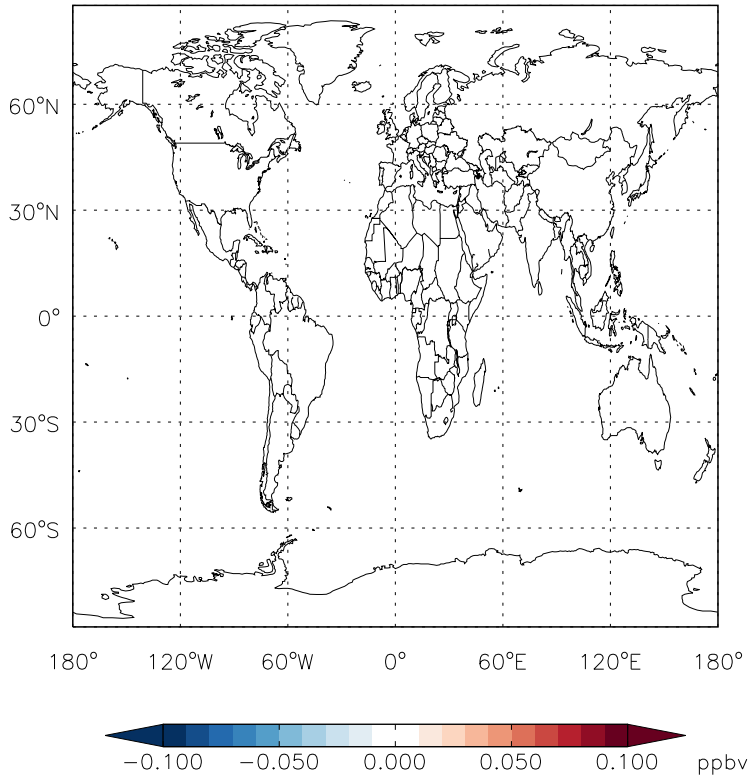
v11-01d-Run1 - v10-01-public-Run0

CCl4 - Diff @ Surface for Apr



v11-01d-Run1 - v10-01-public-Run0

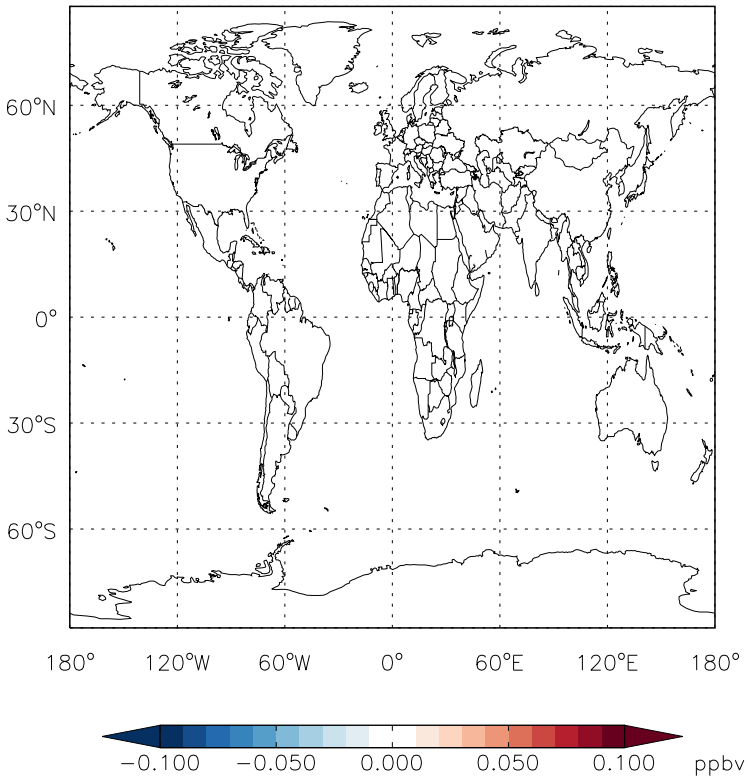
CCl4- Diff @ 500 hPa for Apr



GEOS−Chem Difference Maps at surface and 500 hPa

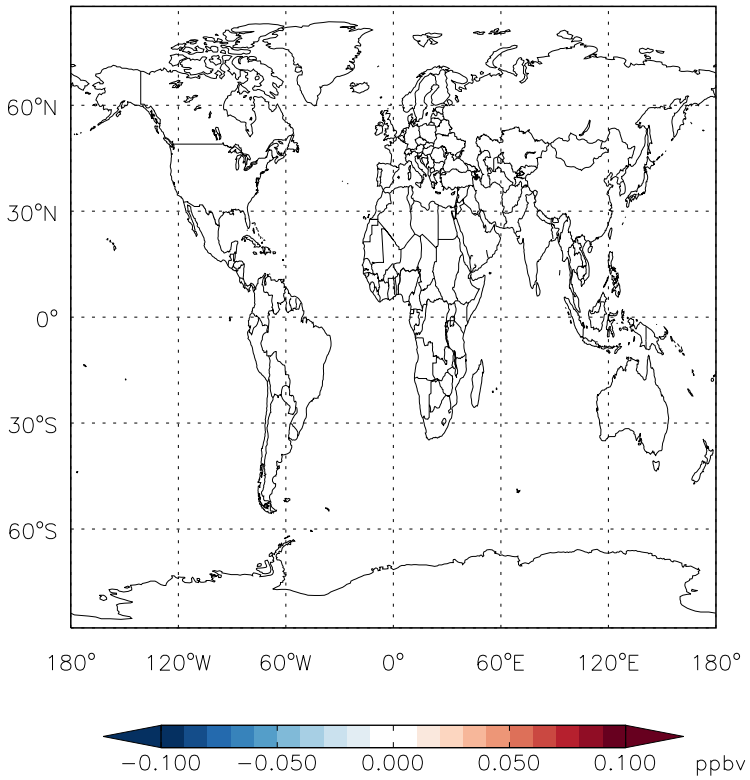
v11−01d−Run1 − v11−01b−Run0

CH3Cl − Diff @ Surface for Apr



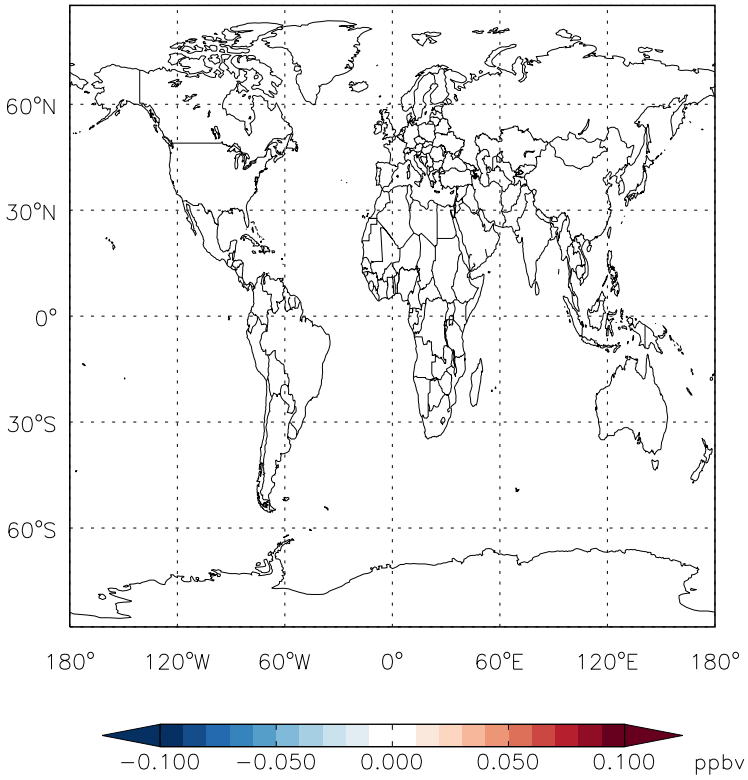
v11−01d−Run1 − v11−01b−Run0

CH3Cl− Diff @ 500 hPa for Apr



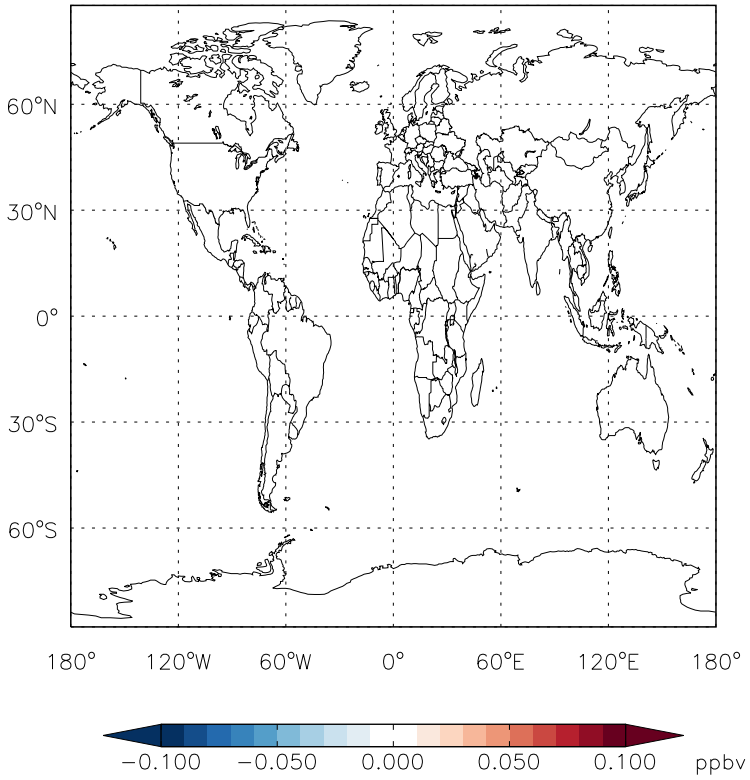
v11−01d−Run1 − v10−01−public−Run0

CH3Cl − Diff @ Surface for Apr



v11−01d−Run1 − v10−01−public−Run0

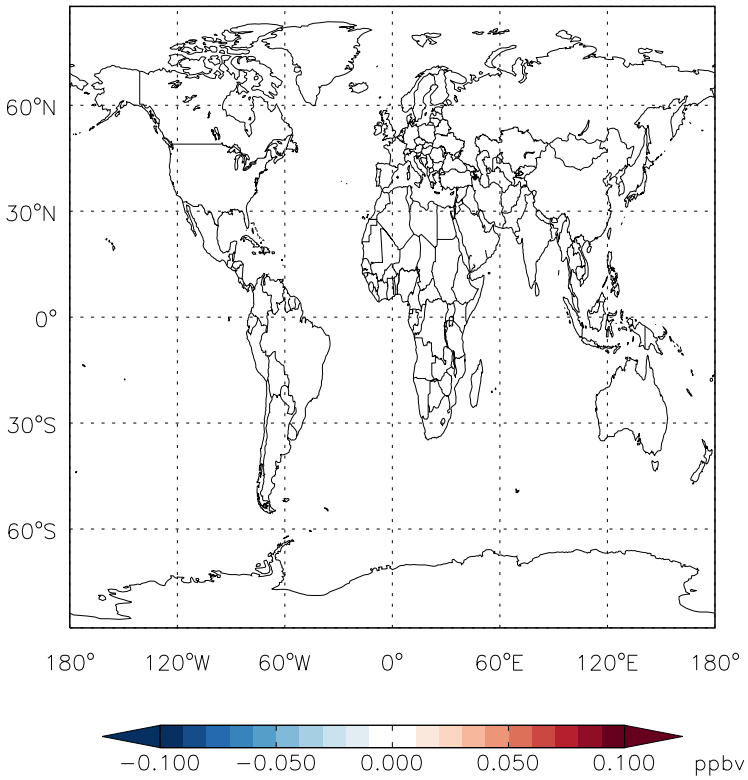
CH3Cl− Diff @ 500 hPa for Apr



GEOS-Chem Difference Maps at surface and 500 hPa

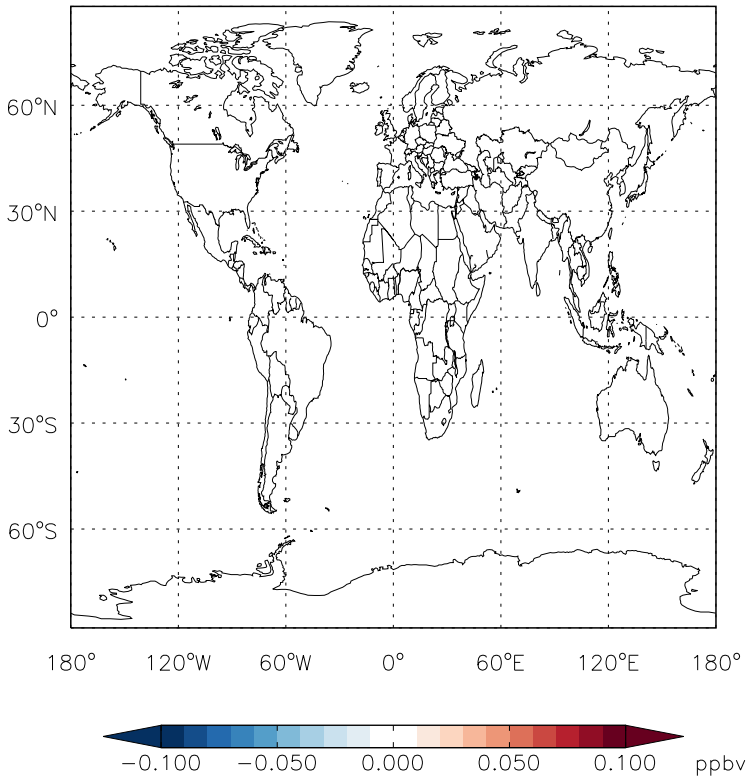
v11-01d-Run1 - v11-01b-Run0

CH3CCl3 - Diff @ Surface for Apr



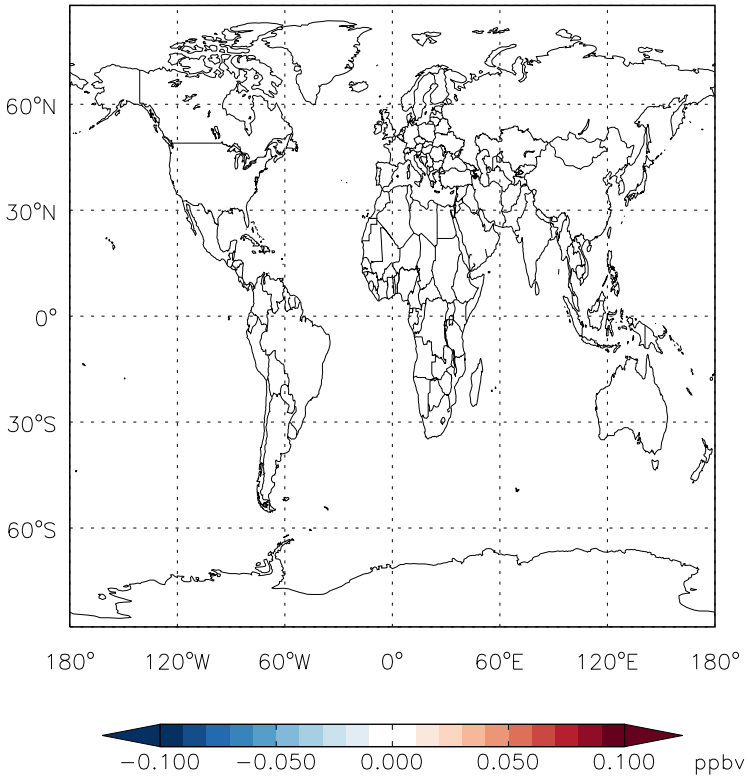
v11-01d-Run1 - v11-01b-Run0

CH3CCl3- Diff @ 500 hPa for Apr



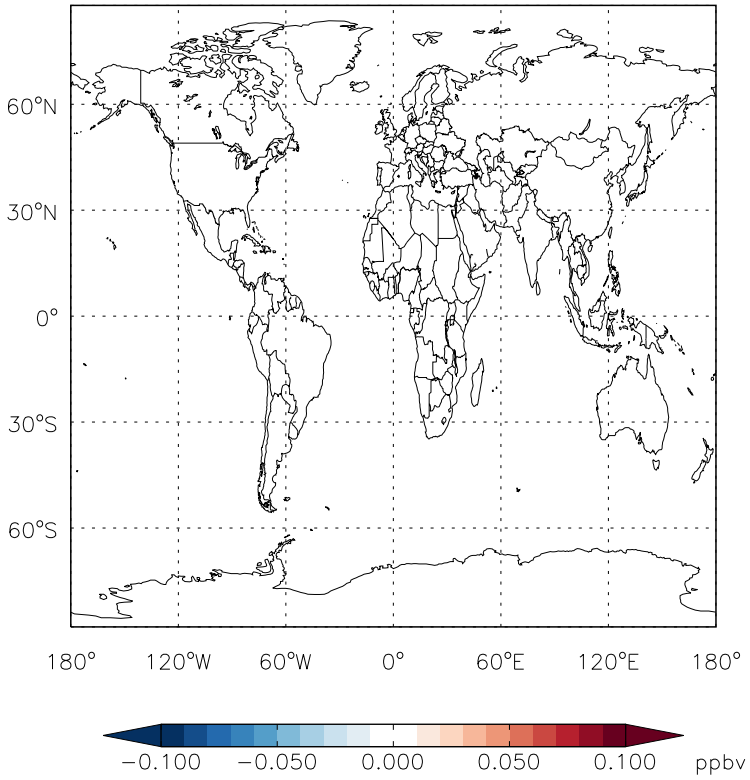
v11-01d-Run1 - v10-01-public-Run0

CH3CCl3 - Diff @ Surface for Apr



v11-01d-Run1 - v10-01-public-Run0

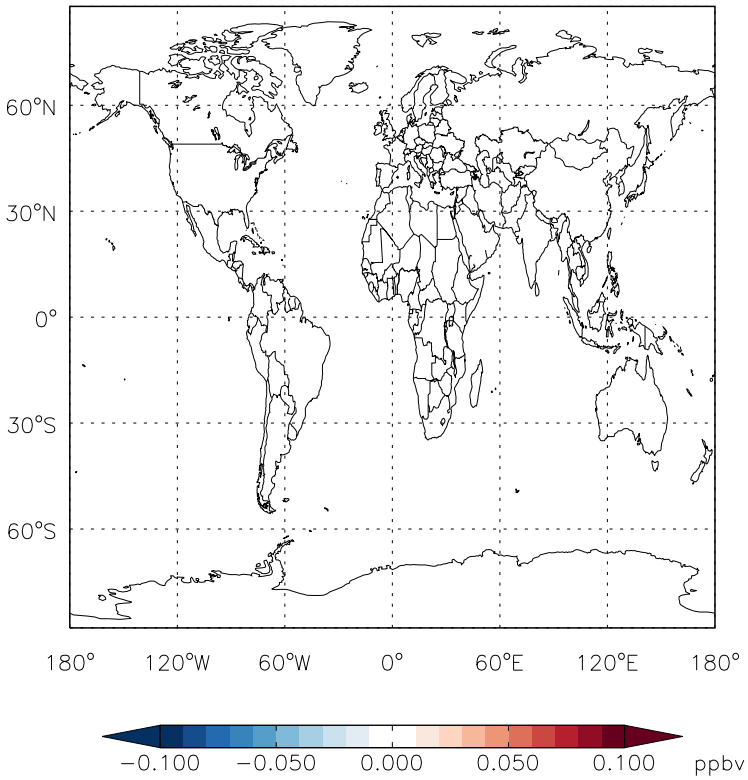
CH3CCl3- Diff @ 500 hPa for Apr



GEOS-Chem Difference Maps at surface and 500 hPa

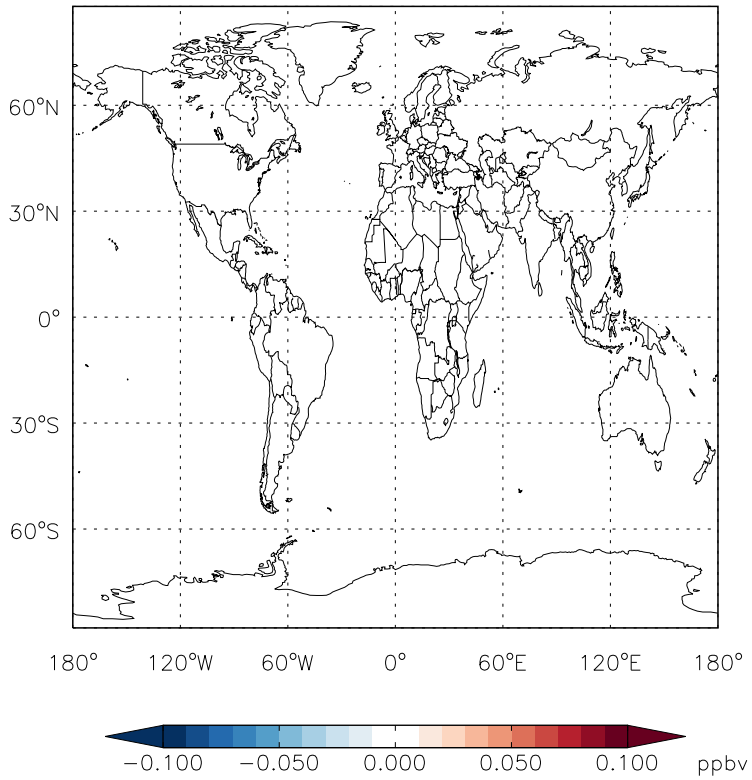
v11-01d-Run1 - v11-01b-Run0

CFCX - Diff @ Surface for Apr



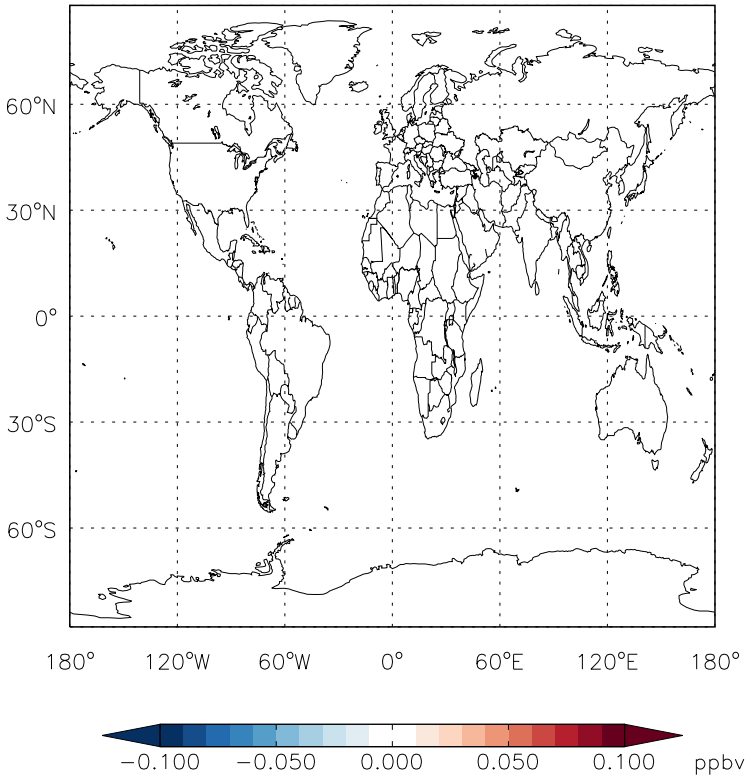
v11-01d-Run1 - v11-01b-Run0

CFCX- Diff @ 500 hPa for Apr



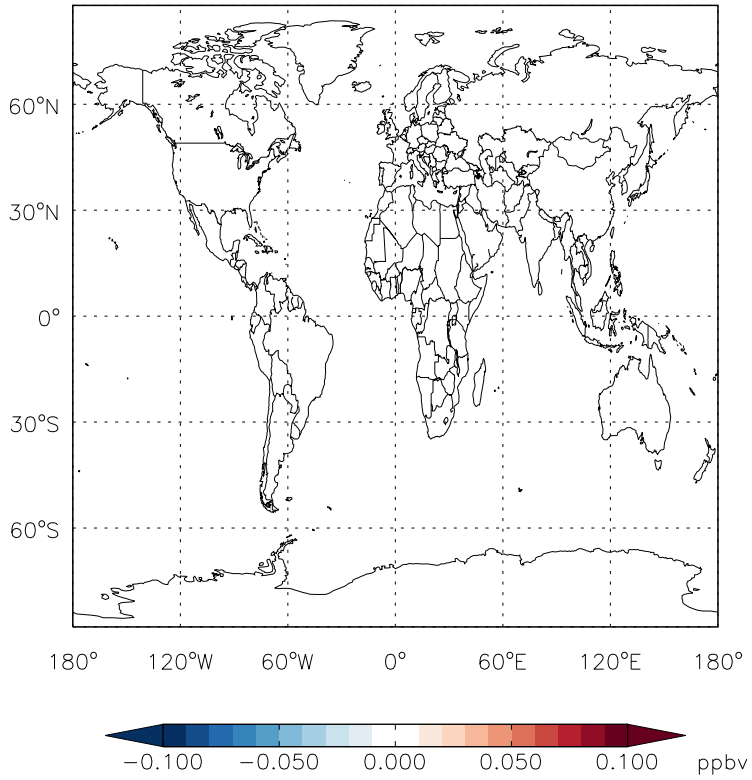
v11-01d-Run1 - v10-01-public-Run0

CFCX - Diff @ Surface for Apr



v11-01d-Run1 - v10-01-public-Run0

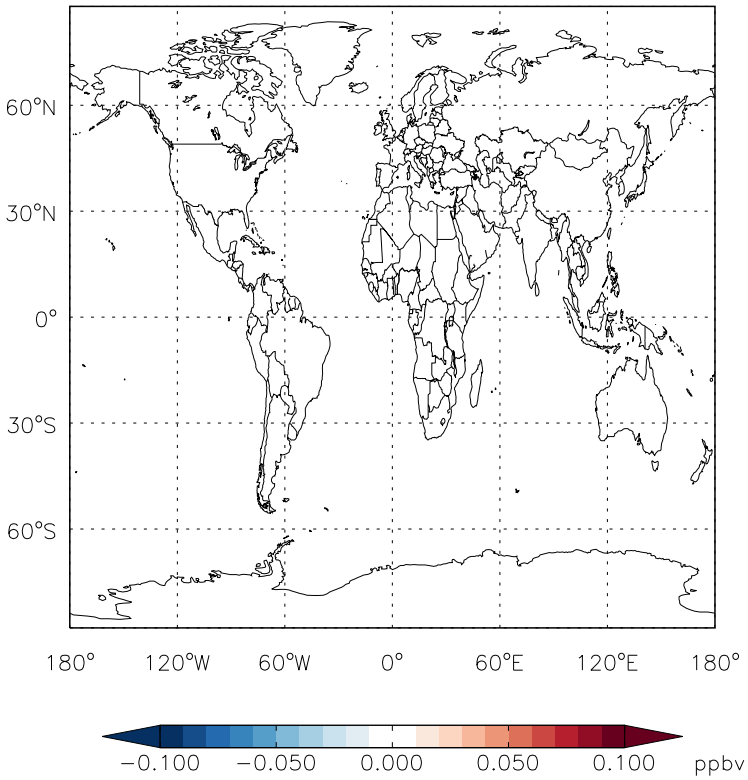
CFCX- Diff @ 500 hPa for Apr



GEOS-Chem Difference Maps at surface and 500 hPa

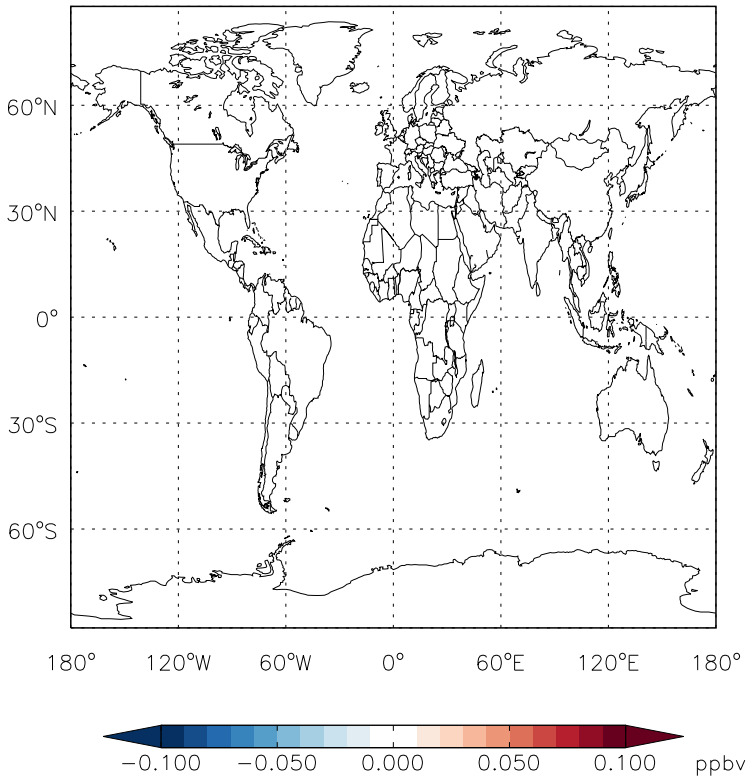
v11-01d-Run1 - v11-01b-Run0

HCFCX - Diff @ Surface for Apr



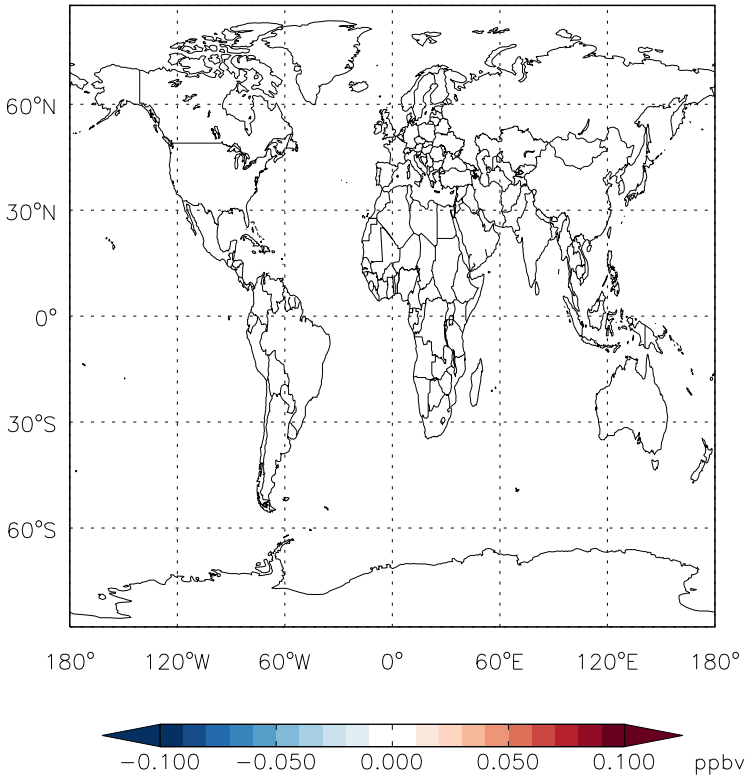
v11-01d-Run1 - v11-01b-Run0

HCFCX- Diff @ 500 hPa for Apr



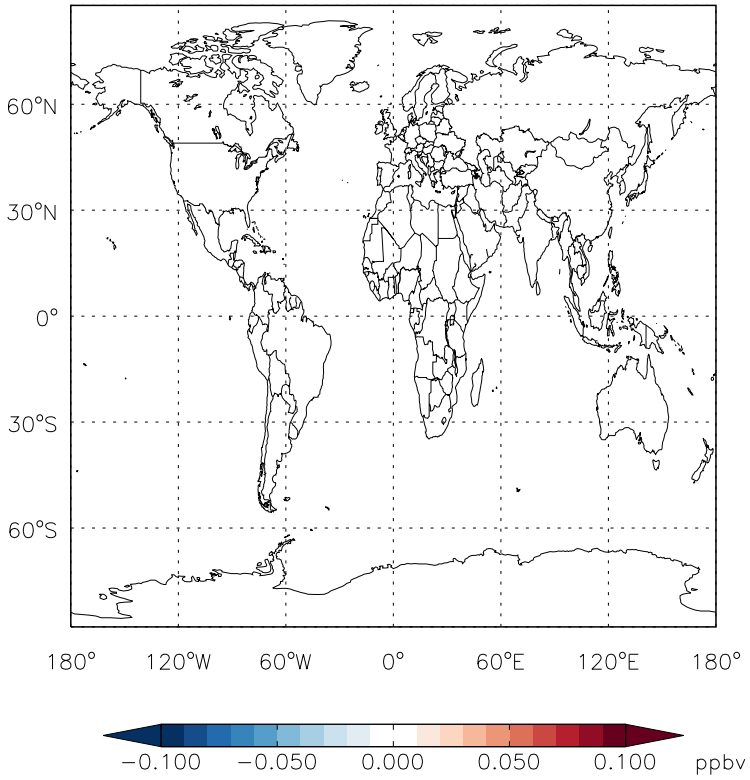
v11-01d-Run1 - v10-01-public-Run0

HCFCX - Diff @ Surface for Apr



v11-01d-Run1 - v10-01-public-Run0

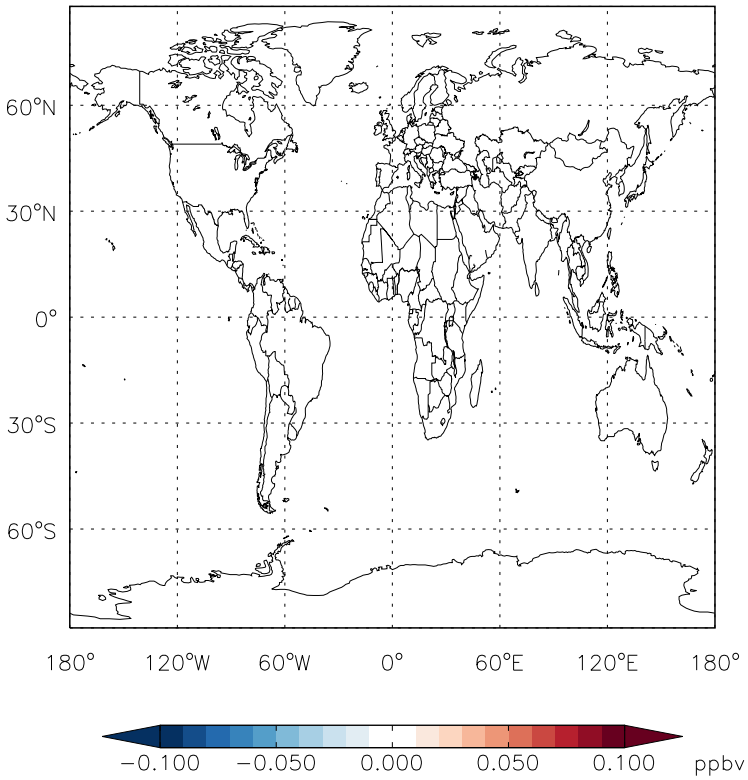
HCFCX- Diff @ 500 hPa for Apr



GEOS−Chem Difference Maps at surface and 500 hPa

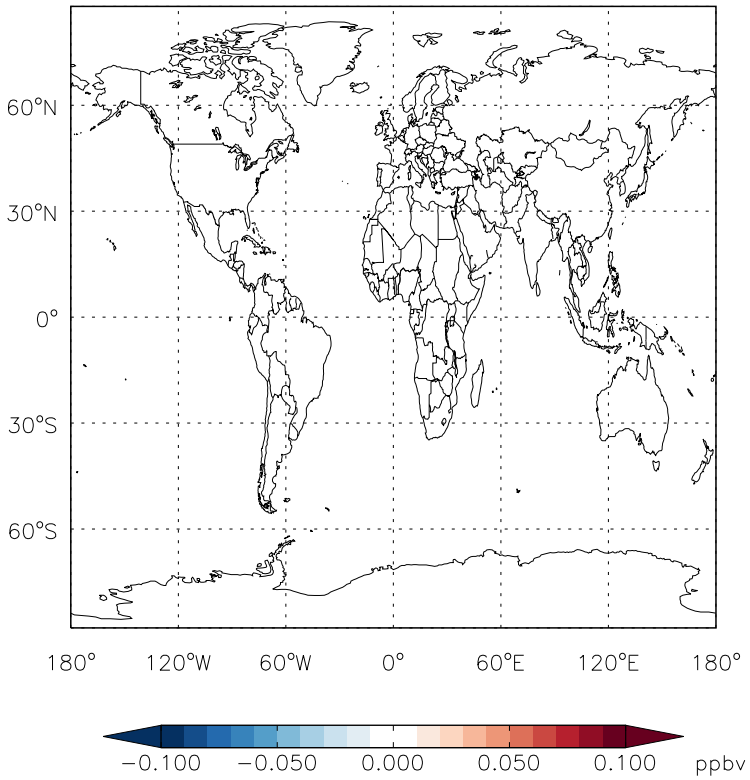
v11−01d−Run1 − v11−01b−Run0

CFC11 − Diff @ Surface for Apr



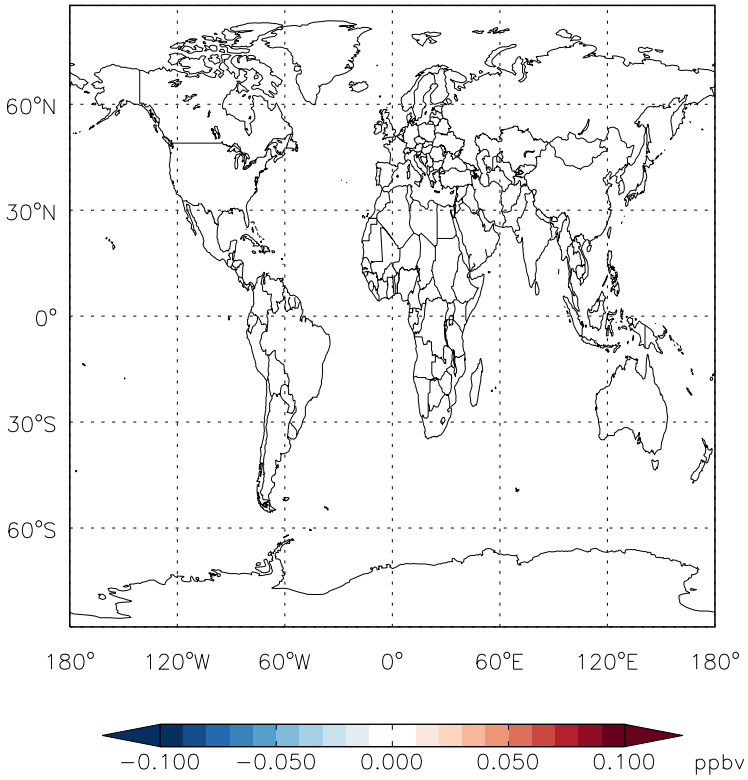
v11−01d−Run1 − v11−01b−Run0

CFC11− Diff @ 500 hPa for Apr



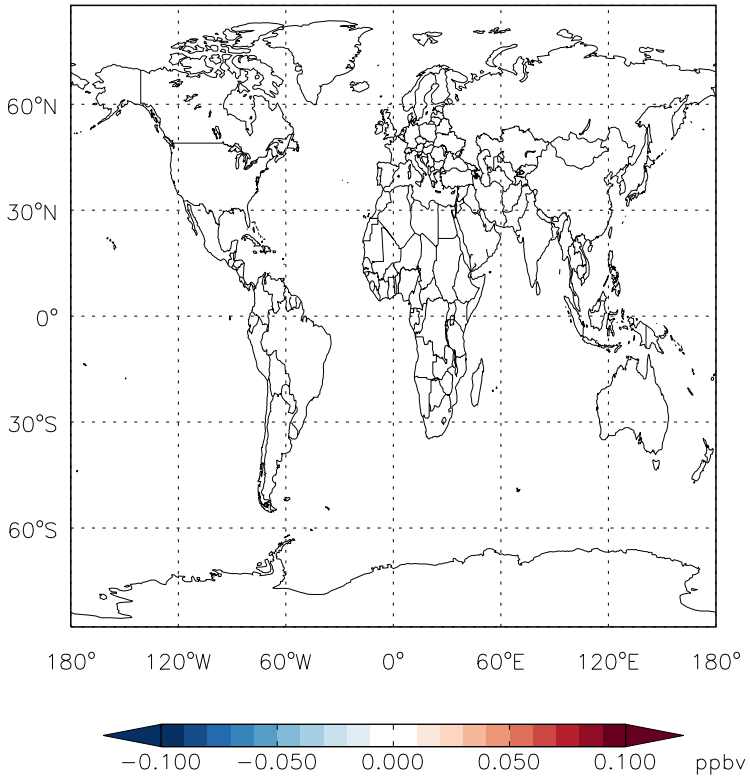
v11−01d−Run1 − v10−01−public−Run0

CFC11 − Diff @ Surface for Apr



v11−01d−Run1 − v10−01−public−Run0

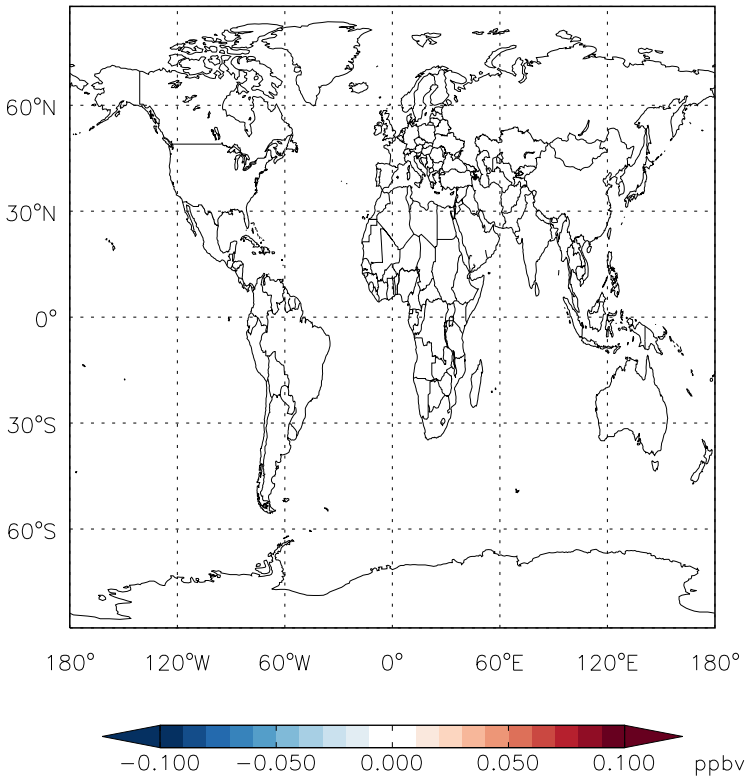
CFC11− Diff @ 500 hPa for Apr



GEOS−Chem Difference Maps at surface and 500 hPa

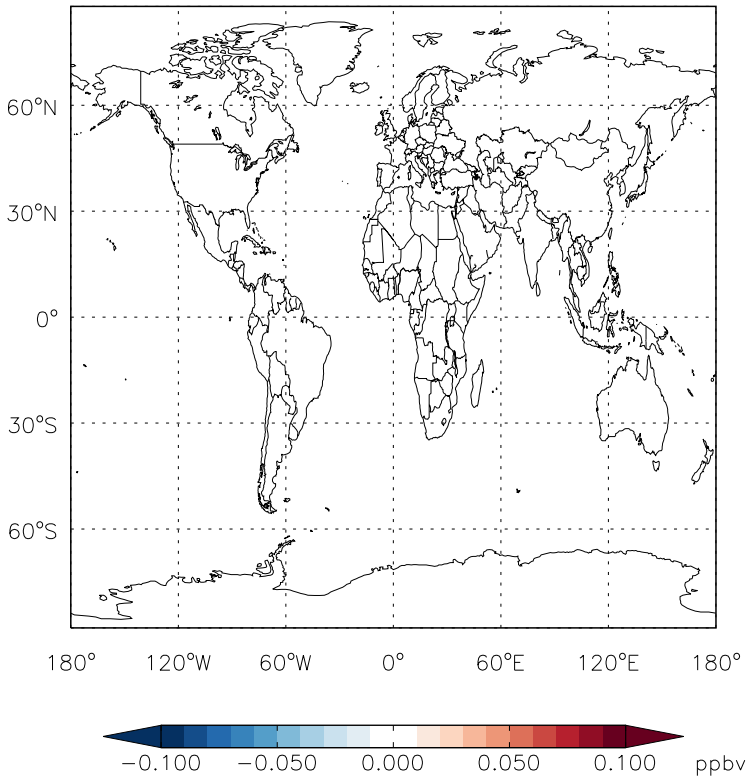
v11−01d−Run1 − v11−01b−Run0

CFC12 − Diff @ Surface for Apr



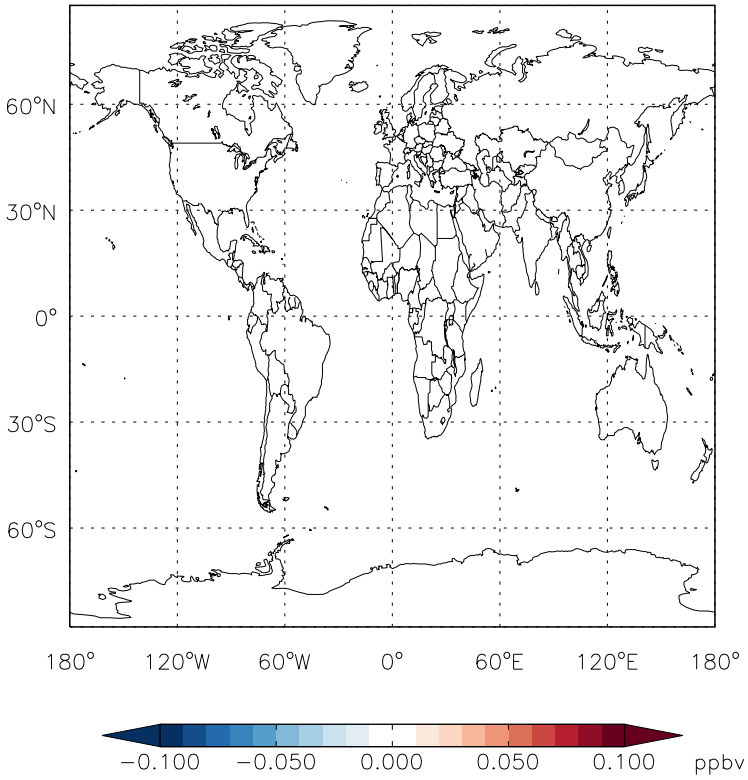
v11−01d−Run1 − v11−01b−Run0

CFC12− Diff @ 500 hPa for Apr



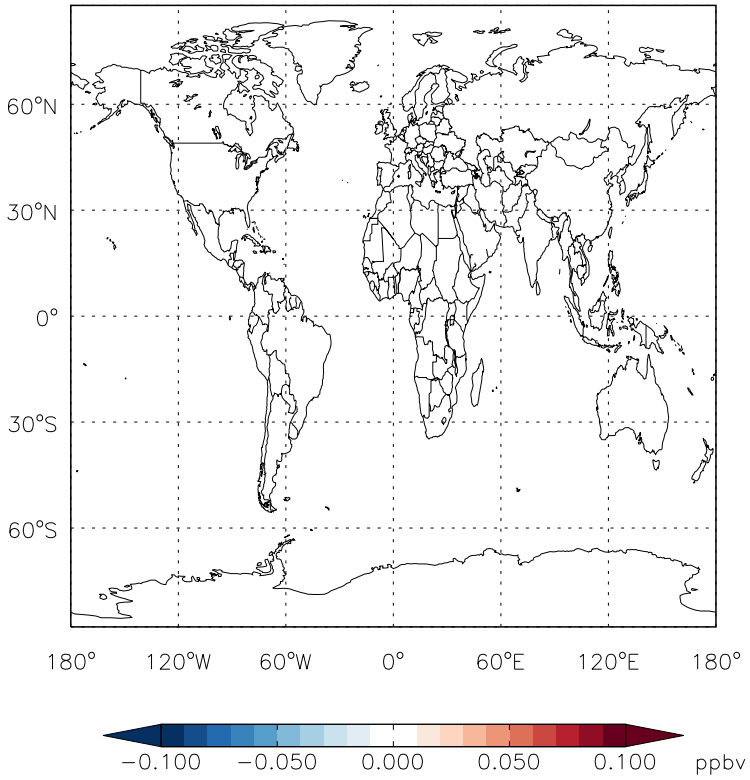
v11−01d−Run1 − v10−01−public−Run0

CFC12 − Diff @ Surface for Apr



v11−01d−Run1 − v10−01−public−Run0

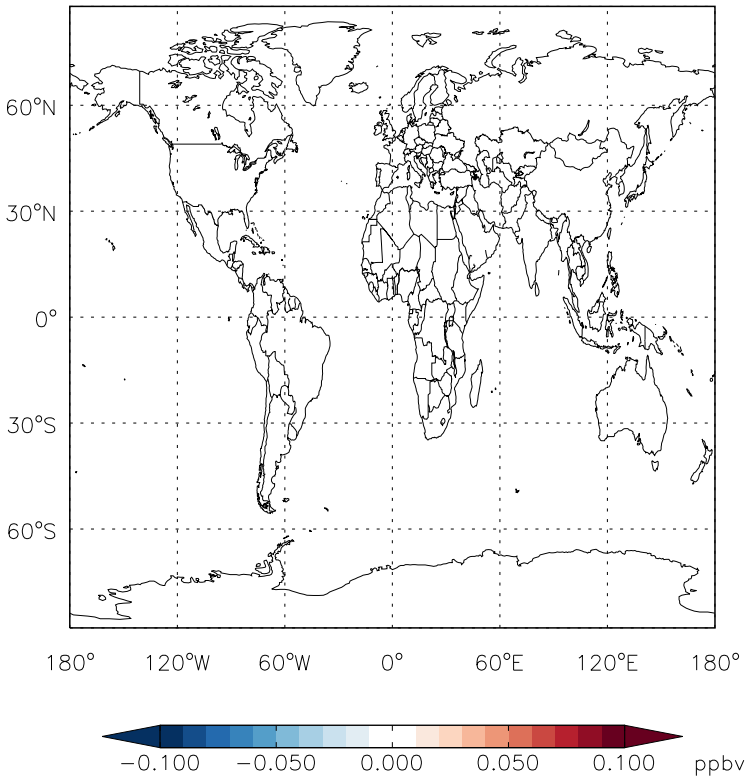
CFC12− Diff @ 500 hPa for Apr



GEOS−Chem Difference Maps at surface and 500 hPa

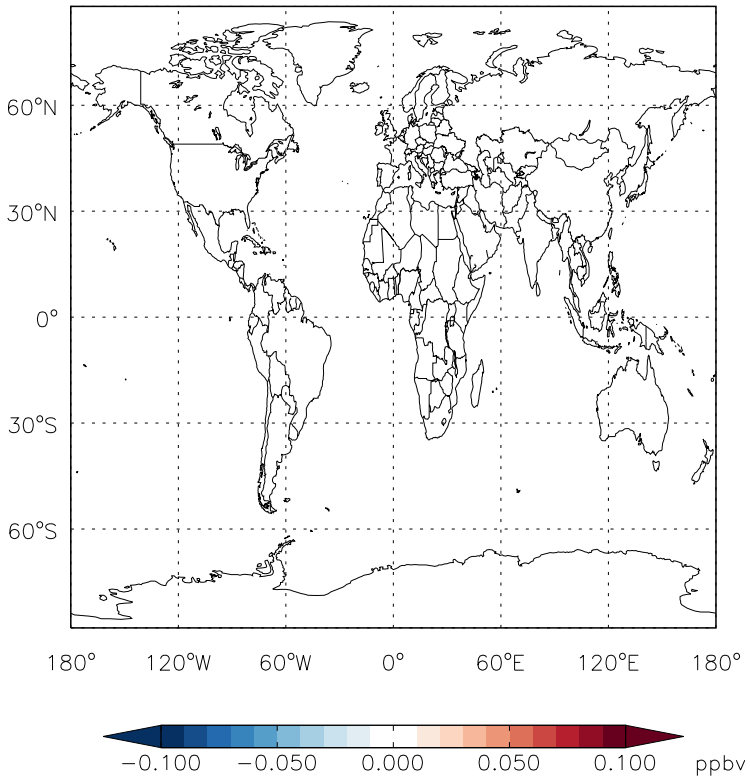
v11−01d−Run1 − v11−01b−Run0

HCFC22 − Diff @ Surface for Apr



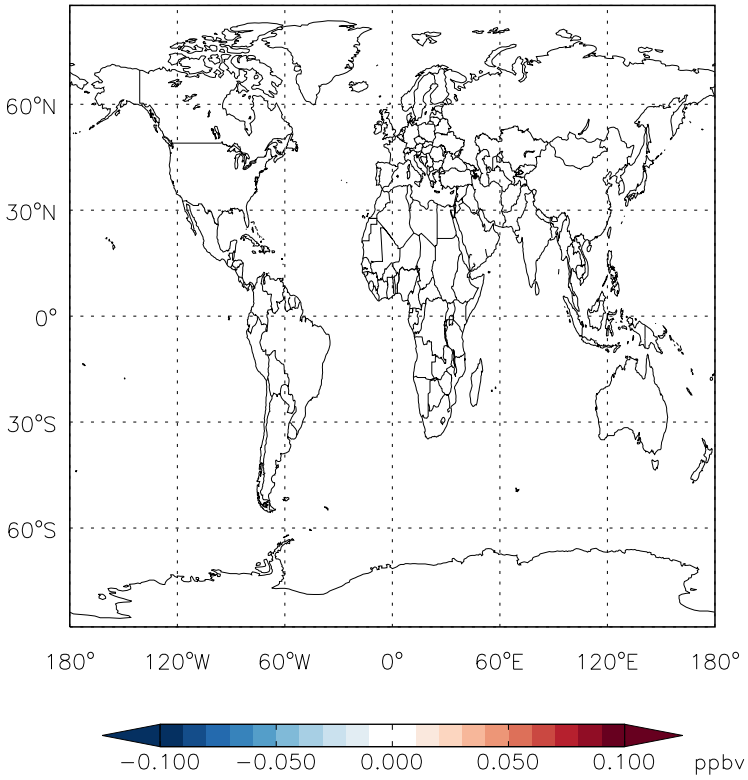
v11−01d−Run1 − v11−01b−Run0

HCFC22− Diff @ 500 hPa for Apr



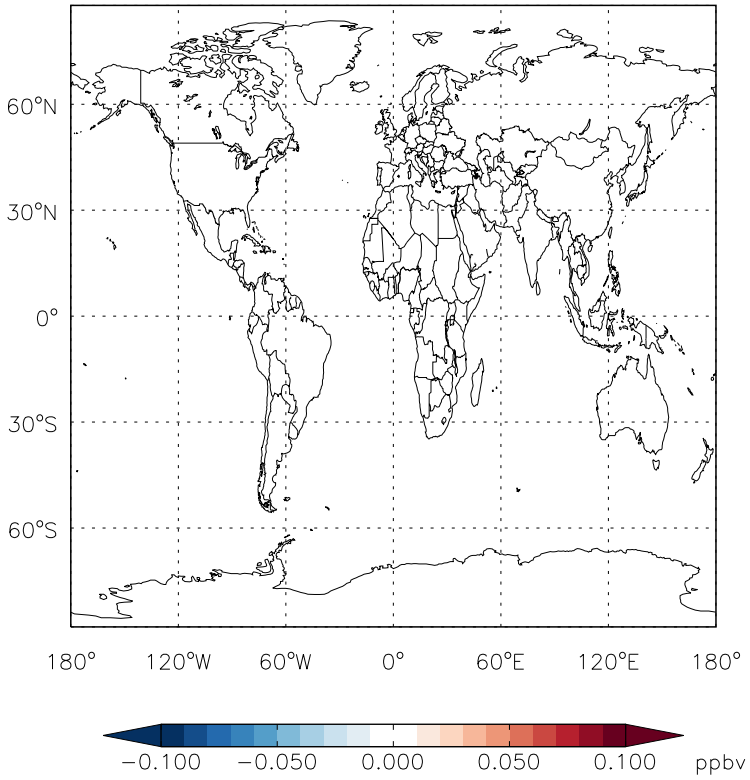
v11−01d−Run1 − v10−01−public−Run0

HCFC22 − Diff @ Surface for Apr



v11−01d−Run1 − v10−01−public−Run0

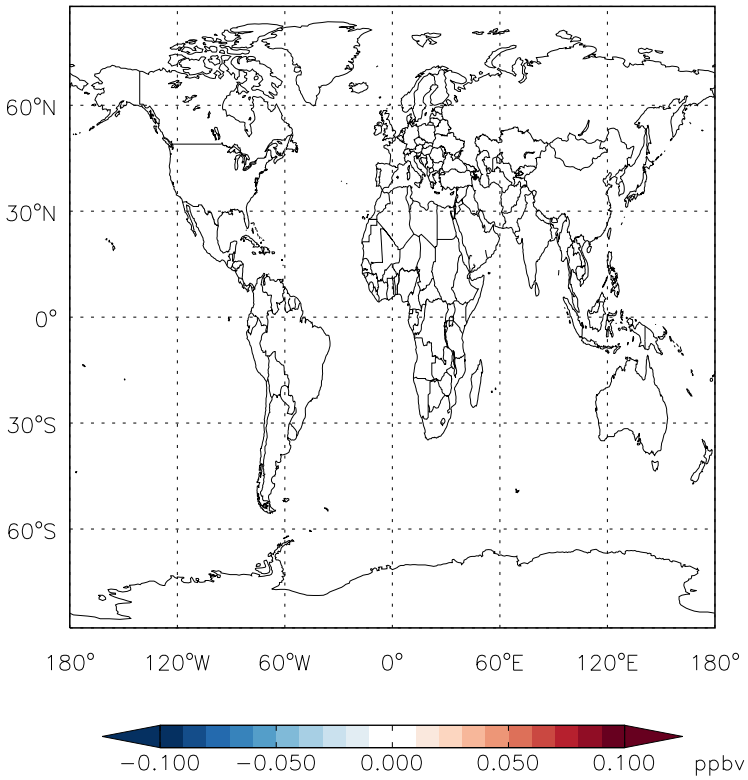
HCFC22− Diff @ 500 hPa for Apr



GEOS−Chem Difference Maps at surface and 500 hPa

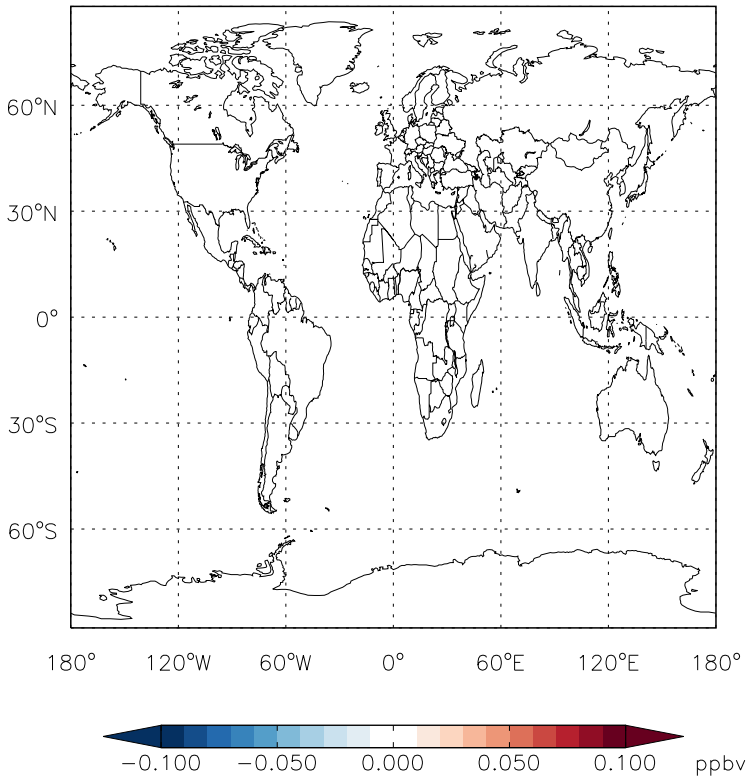
v11−01d−Run1 − v11−01b−Run0

H1211 − Diff @ Surface for Apr



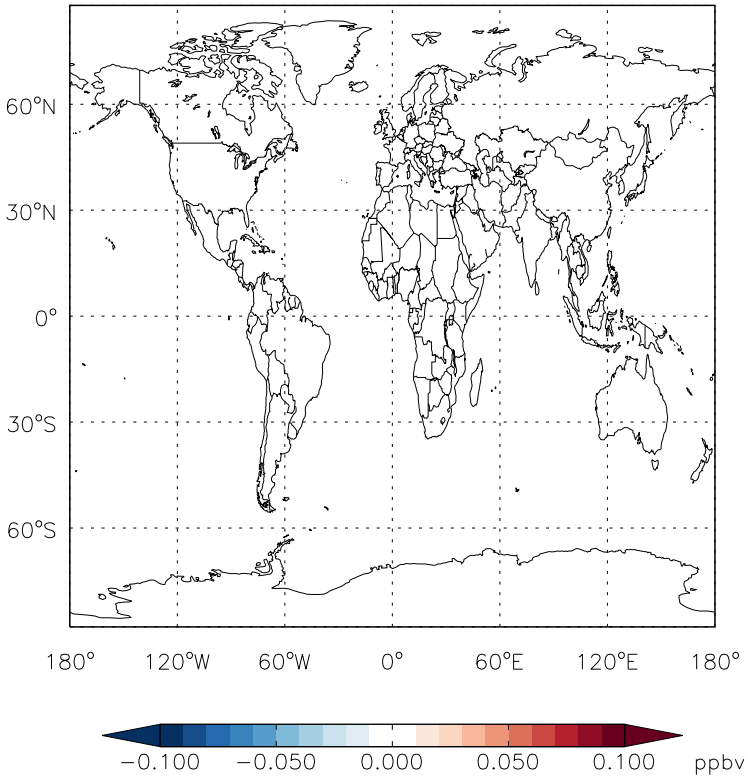
v11−01d−Run1 − v11−01b−Run0

H1211− Diff @ 500 hPa for Apr



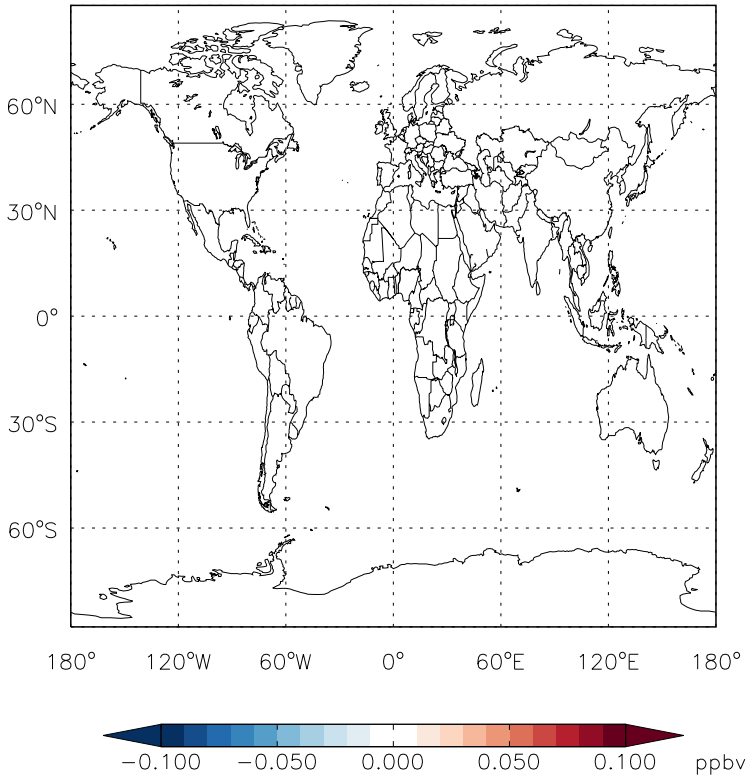
v11−01d−Run1 − v10−01−public−Run0

H1211 − Diff @ Surface for Apr



v11−01d−Run1 − v10−01−public−Run0

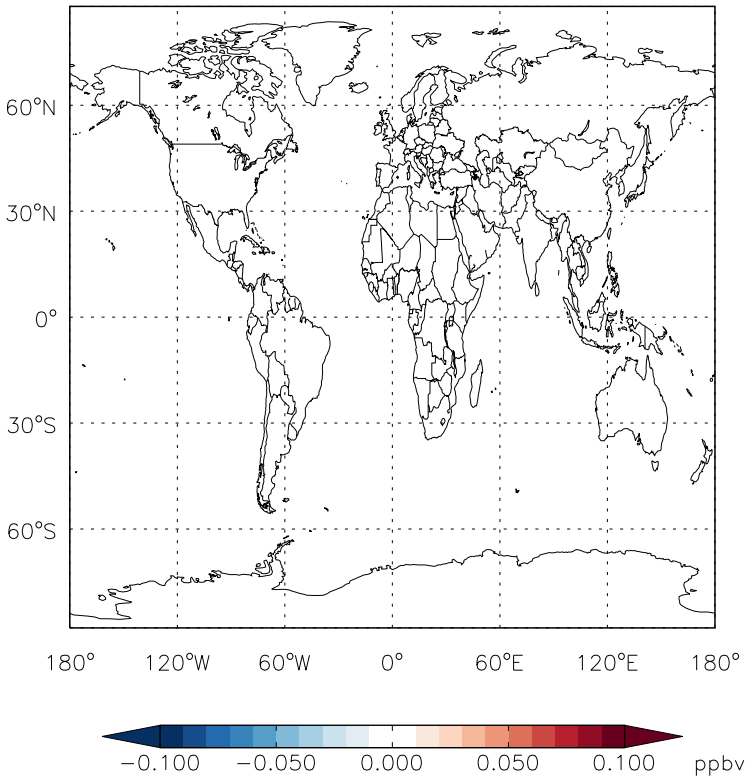
H1211− Diff @ 500 hPa for Apr



GEOS−Chem Difference Maps at surface and 500 hPa

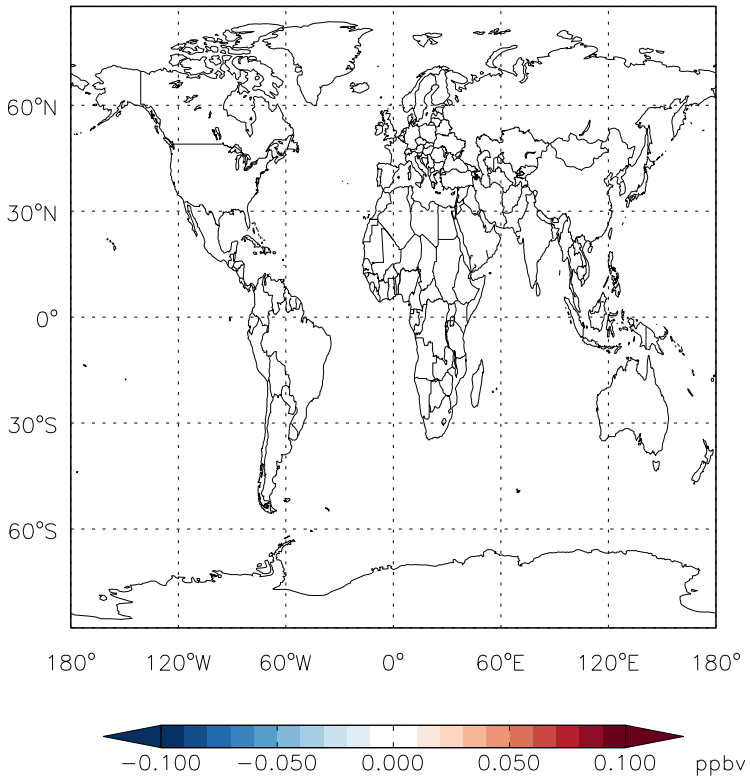
v11−01d−Run1 − v11−01b−Run0

H1301 − Diff @ Surface for Apr



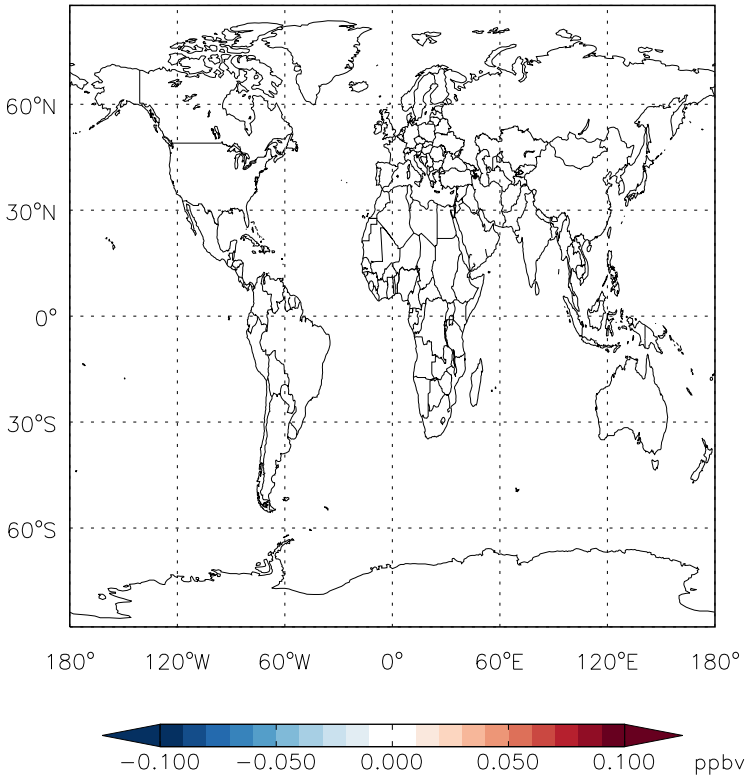
v11−01d−Run1 − v11−01b−Run0

H1301− Diff @ 500 hPa for Apr



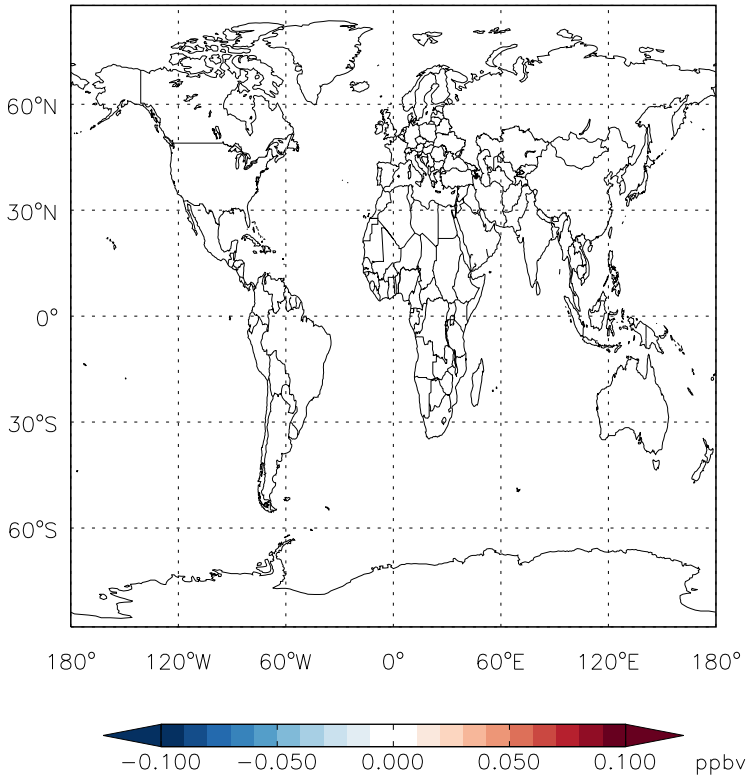
v11−01d−Run1 − v10−01−public−Run0

H1301 − Diff @ Surface for Apr



v11−01d−Run1 − v10−01−public−Run0

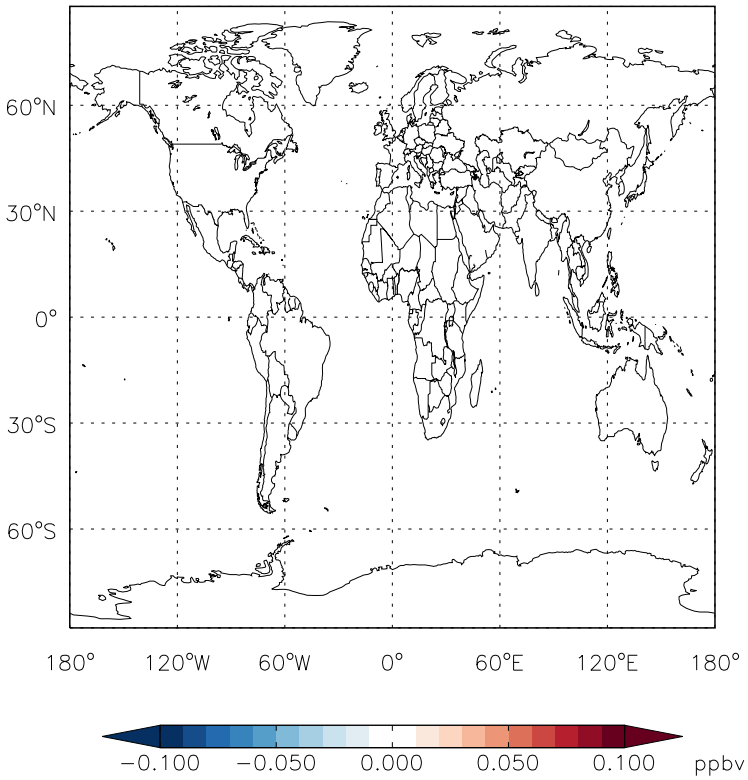
H1301− Diff @ 500 hPa for Apr



GEOS-Chem Difference Maps at surface and 500 hPa

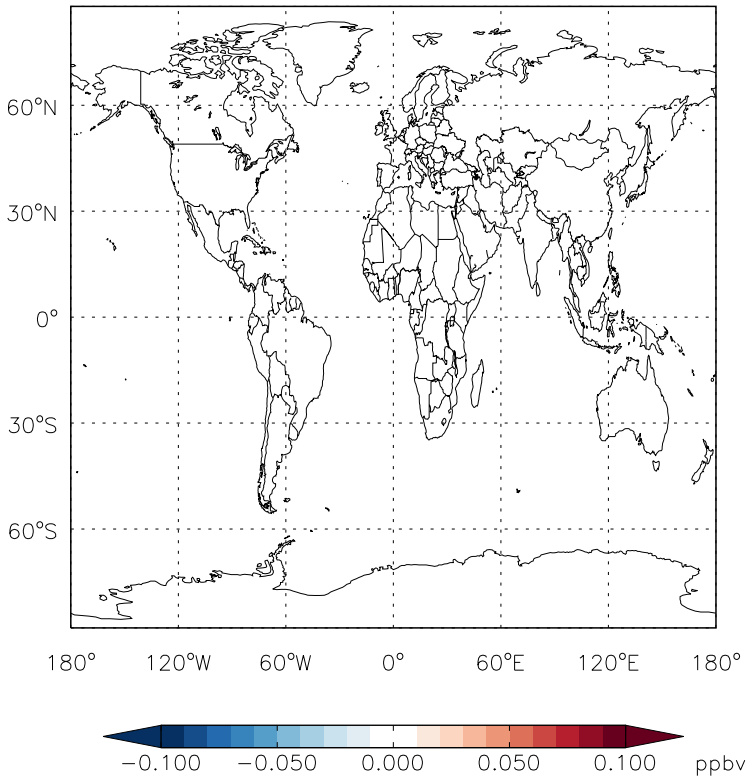
v11-01d-Run1 - v11-01b-Run0

H2402 - Diff @ Surface for Apr



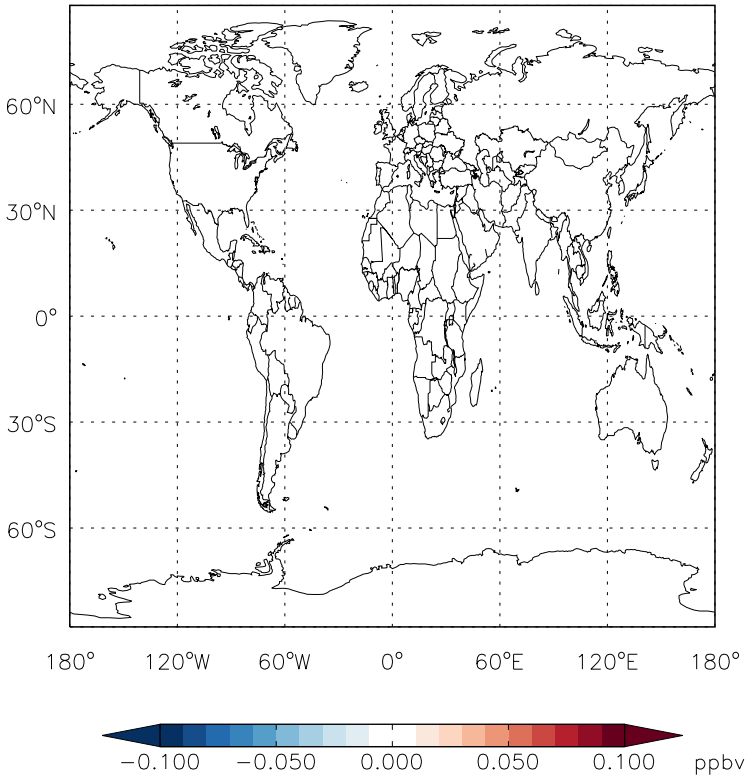
v11-01d-Run1 - v11-01b-Run0

H2402- Diff @ 500 hPa for Apr



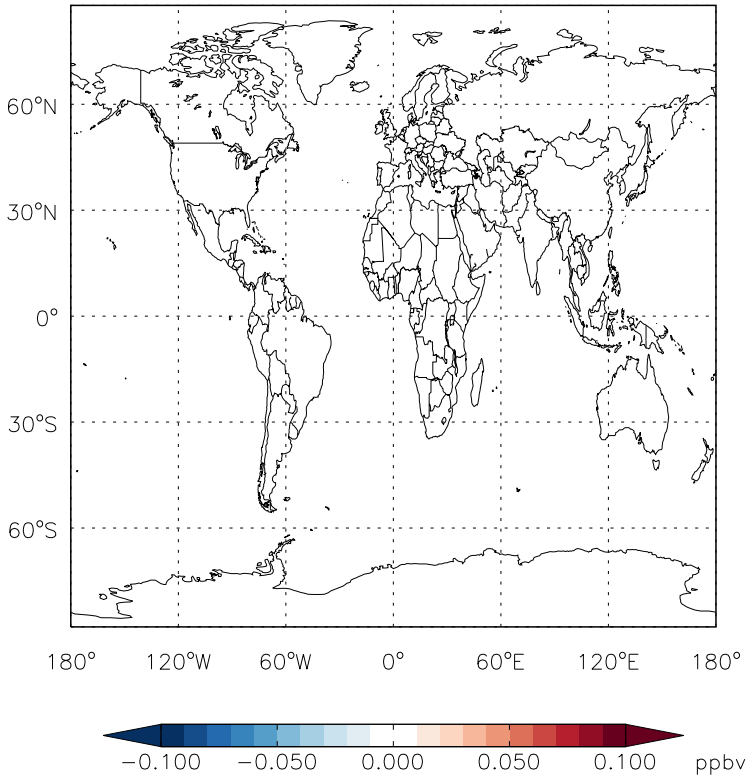
v11-01d-Run1 - v10-01-public-Run0

H2402 - Diff @ Surface for Apr



v11-01d-Run1 - v10-01-public-Run0

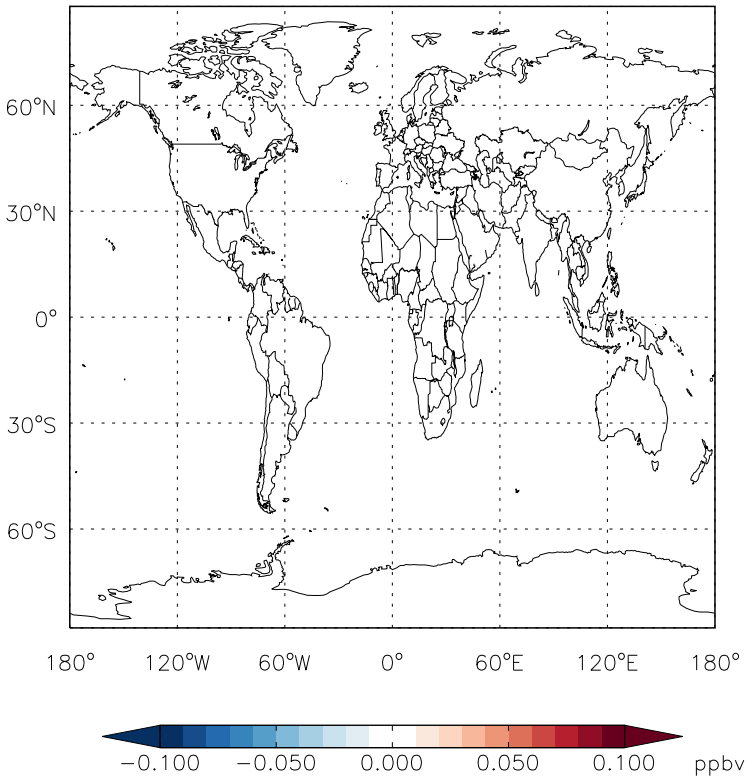
H2402- Diff @ 500 hPa for Apr



GEOS-Chem Difference Maps at surface and 500 hPa

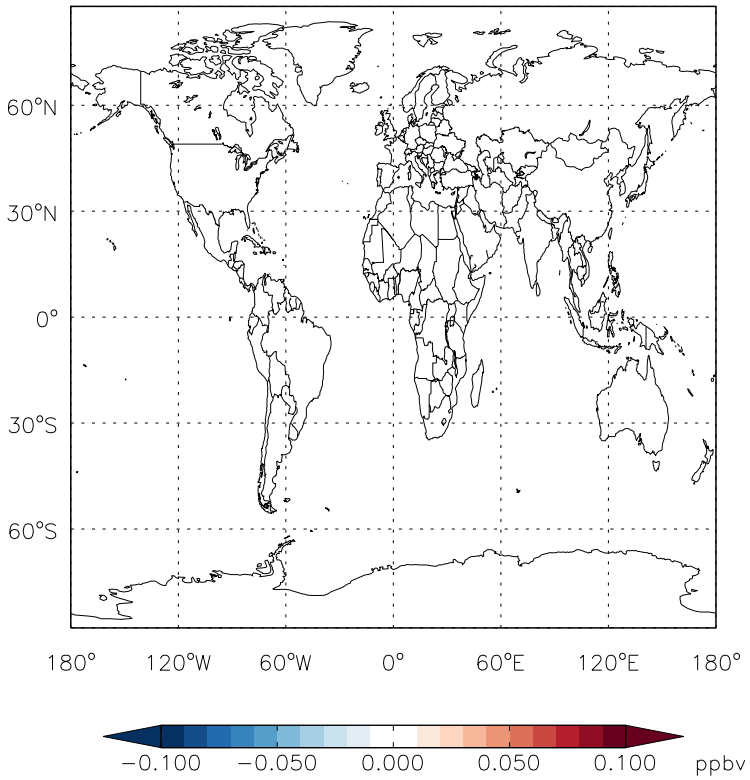
v11-01d-Run1 - v11-01b-Run0

Cl - Diff @ Surface for Apr



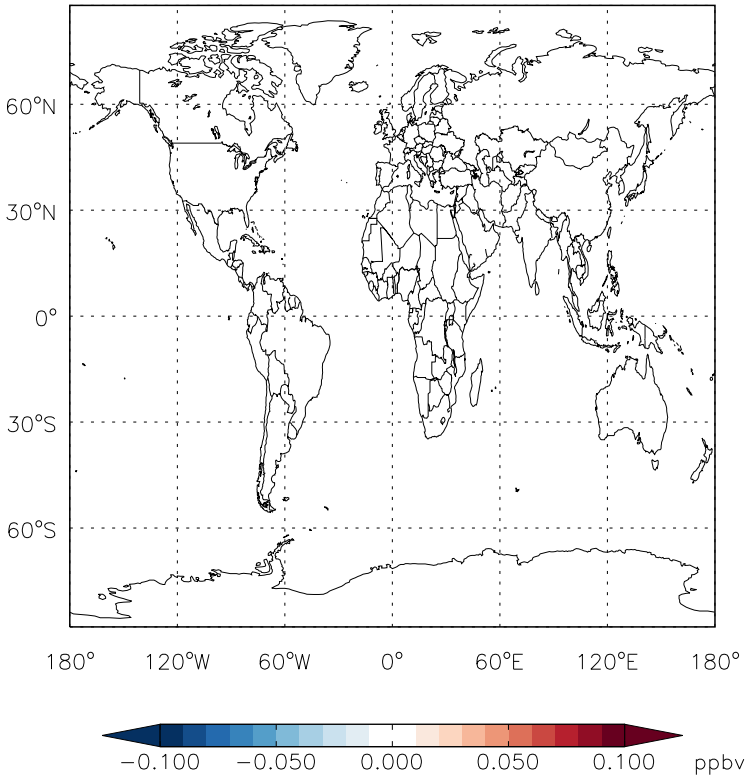
v11-01d-Run1 - v11-01b-Run0

Cl- Diff @ 500 hPa for Apr



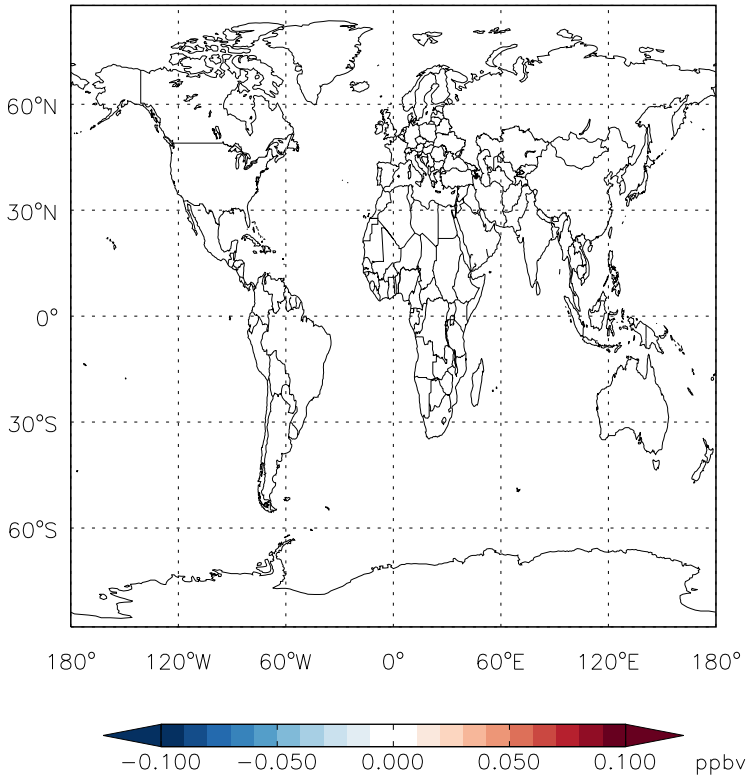
v11-01d-Run1 - v10-01-public-Run0

Cl - Diff @ Surface for Apr



v11-01d-Run1 - v10-01-public-Run0

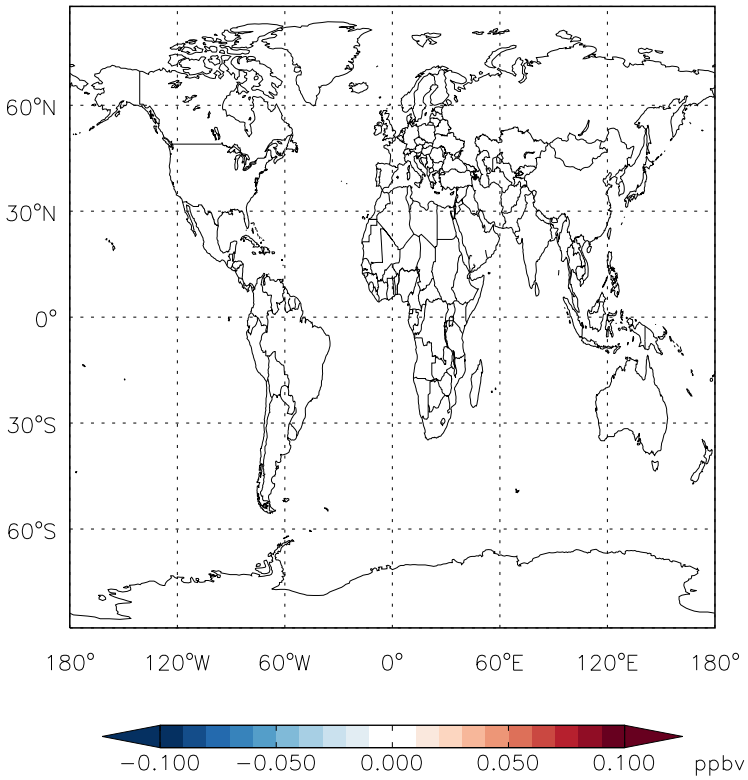
Cl- Diff @ 500 hPa for Apr



GEOS−Chem Difference Maps at surface and 500 hPa

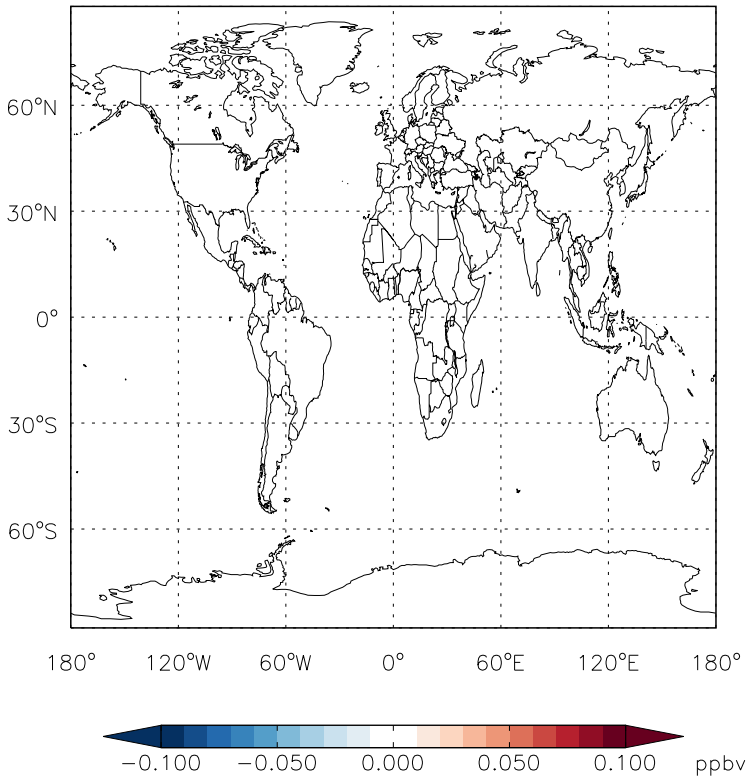
v11−01d−Run1 − v11−01b−Run0

ClO − Diff @ Surface for Apr



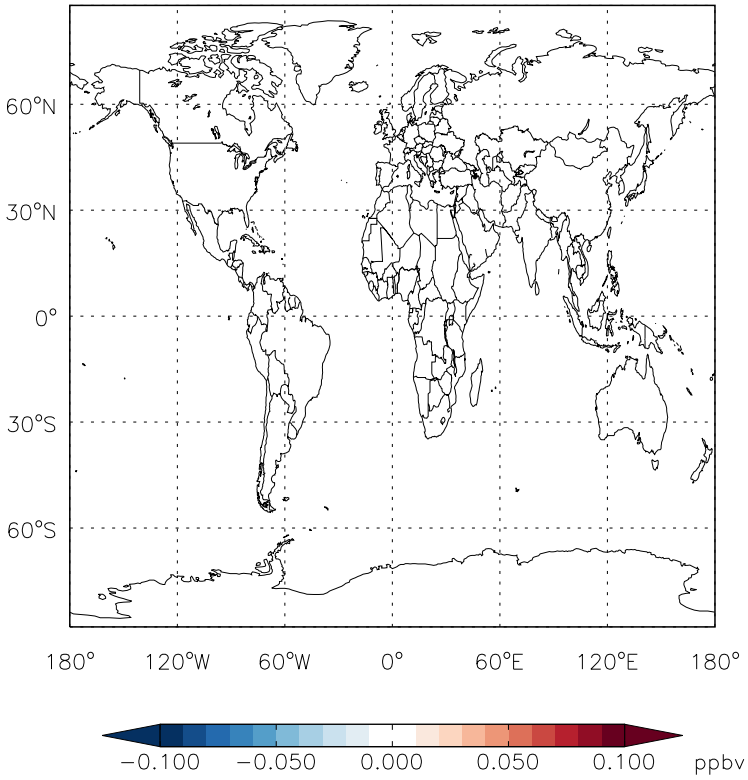
v11−01d−Run1 − v11−01b−Run0

ClO− Diff @ 500 hPa for Apr



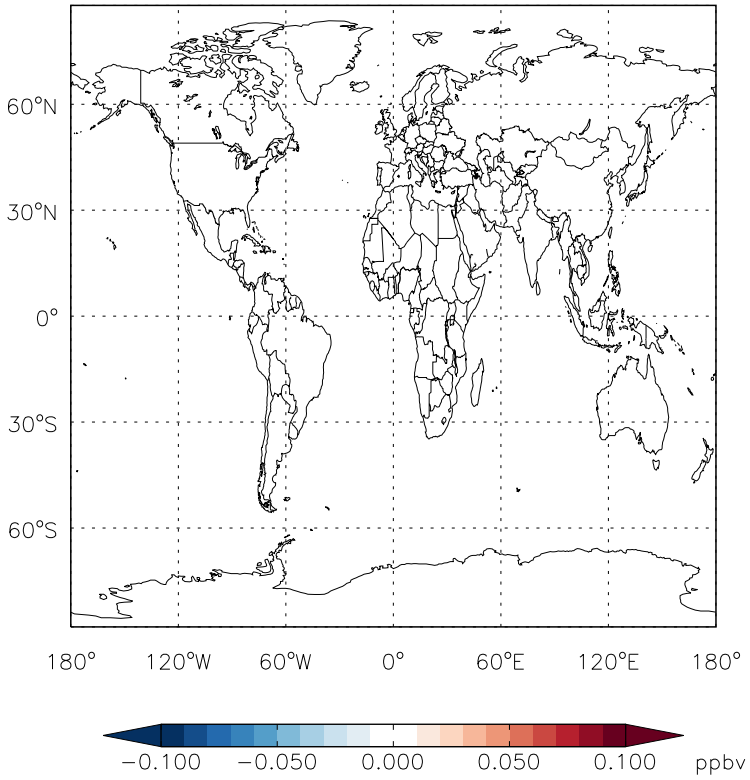
v11−01d−Run1 − v10−01−public−Run0

ClO − Diff @ Surface for Apr



v11−01d−Run1 − v10−01−public−Run0

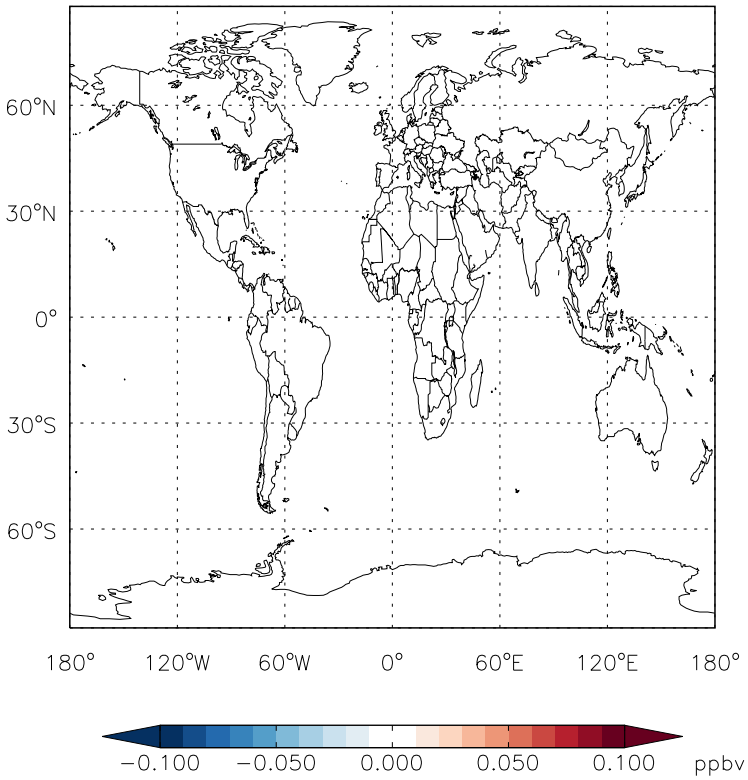
ClO− Diff @ 500 hPa for Apr



GEOS−Chem Difference Maps at surface and 500 hPa

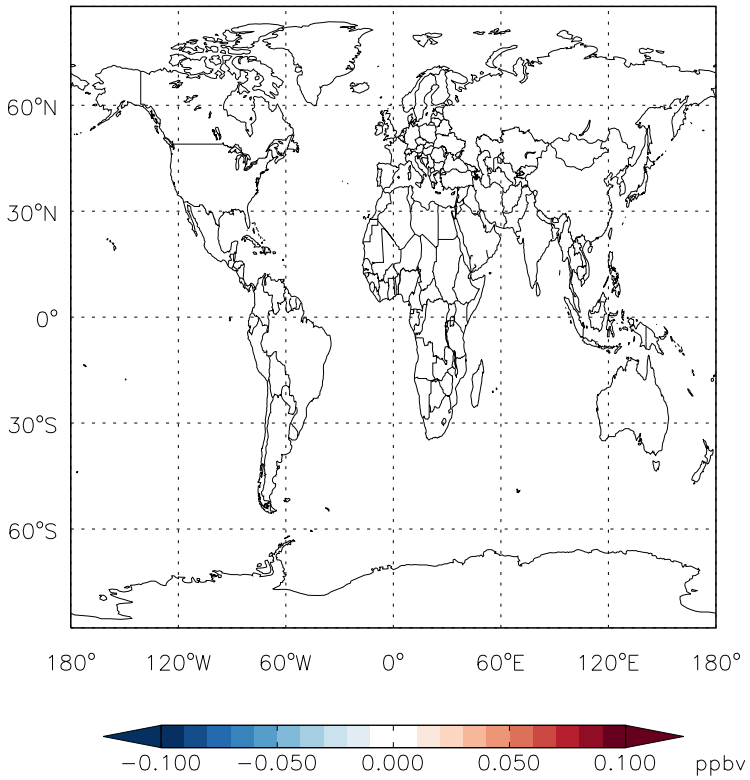
v11−01d−Run1 − v11−01b−Run0

HOCl − Diff @ Surface for Apr



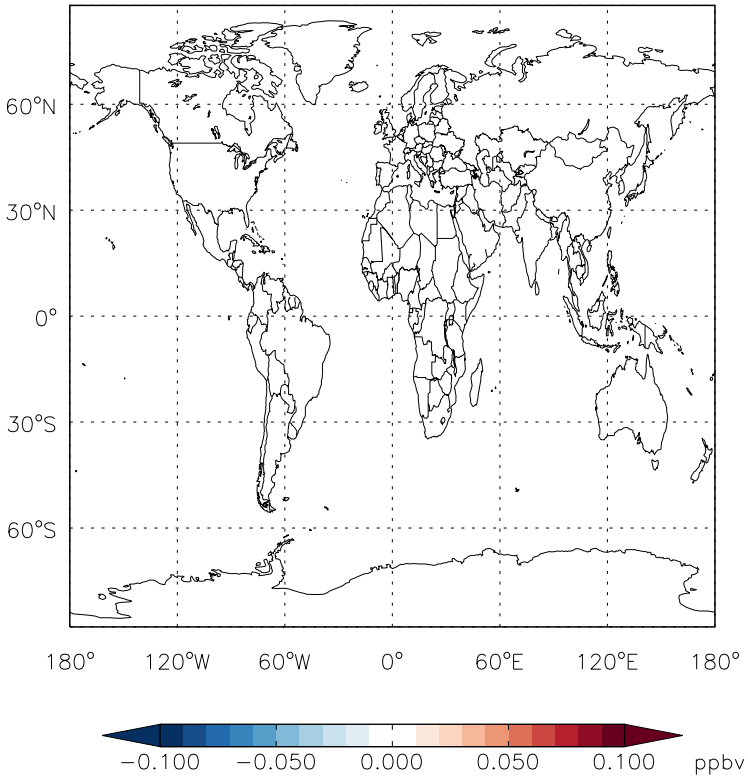
v11−01d−Run1 − v11−01b−Run0

HOCl− Diff @ 500 hPa for Apr



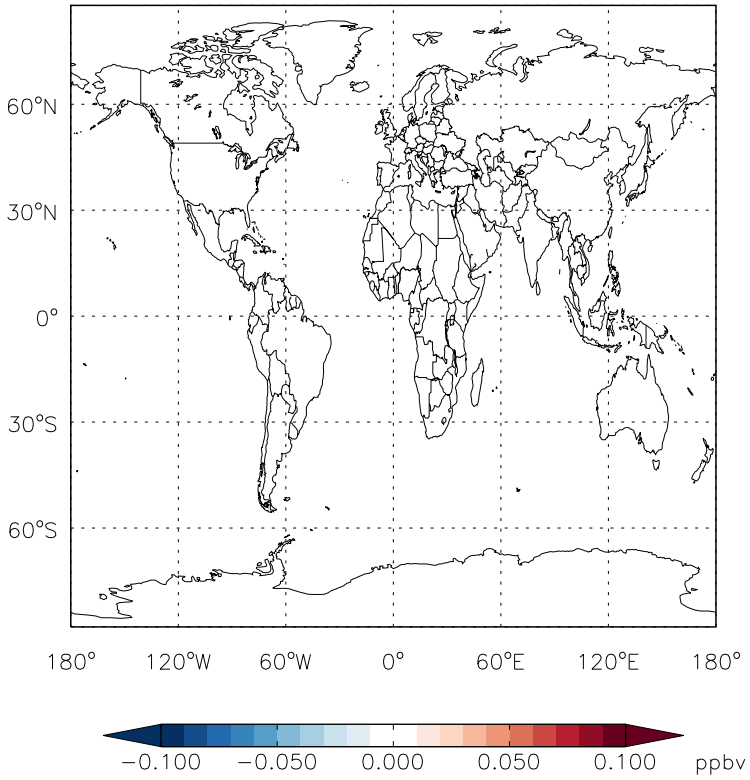
v11−01d−Run1 − v10−01−public−Run0

HOCl − Diff @ Surface for Apr



v11−01d−Run1 − v10−01−public−Run0

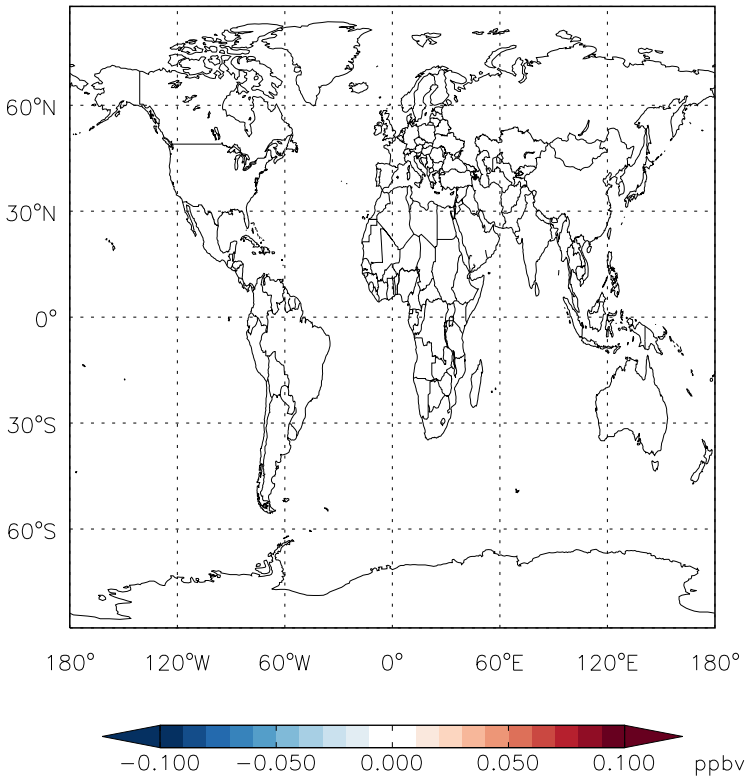
HOCl− Diff @ 500 hPa for Apr



GEOS-Chem Difference Maps at surface and 500 hPa

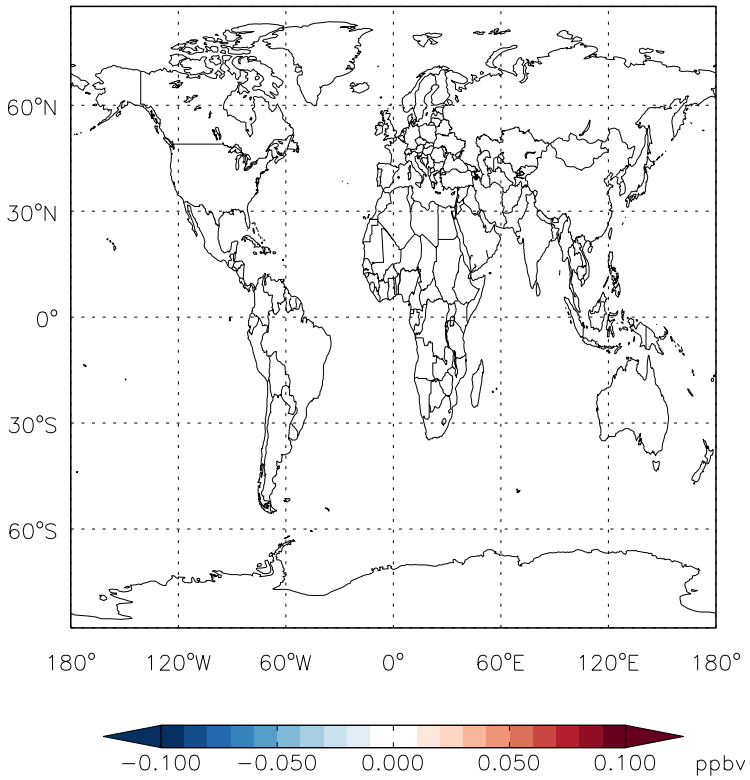
v11-01d-Run1 - v11-01b-Run0

CINO3 - Diff @ Surface for Apr



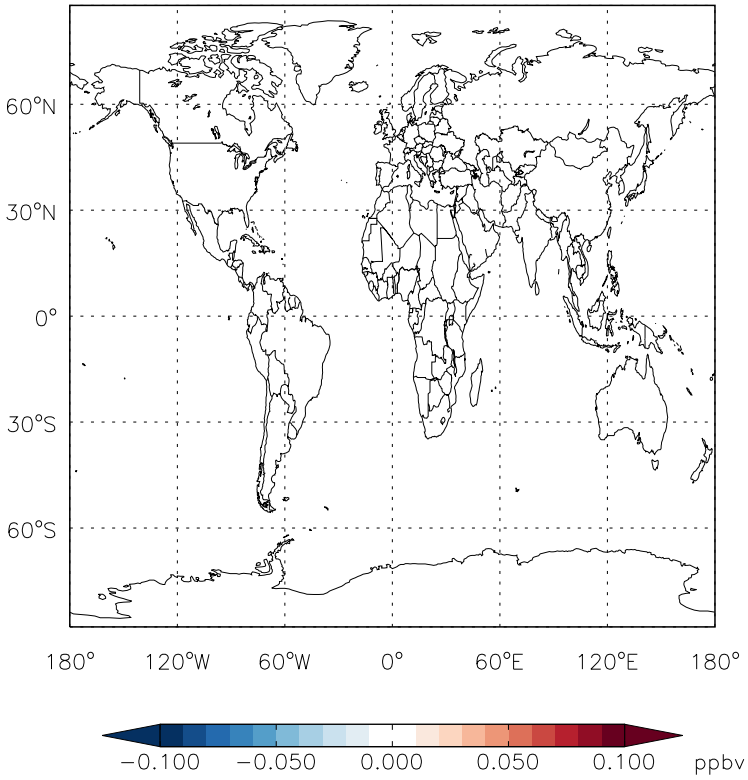
v11-01d-Run1 - v11-01b-Run0

CINO3- Diff @ 500 hPa for Apr



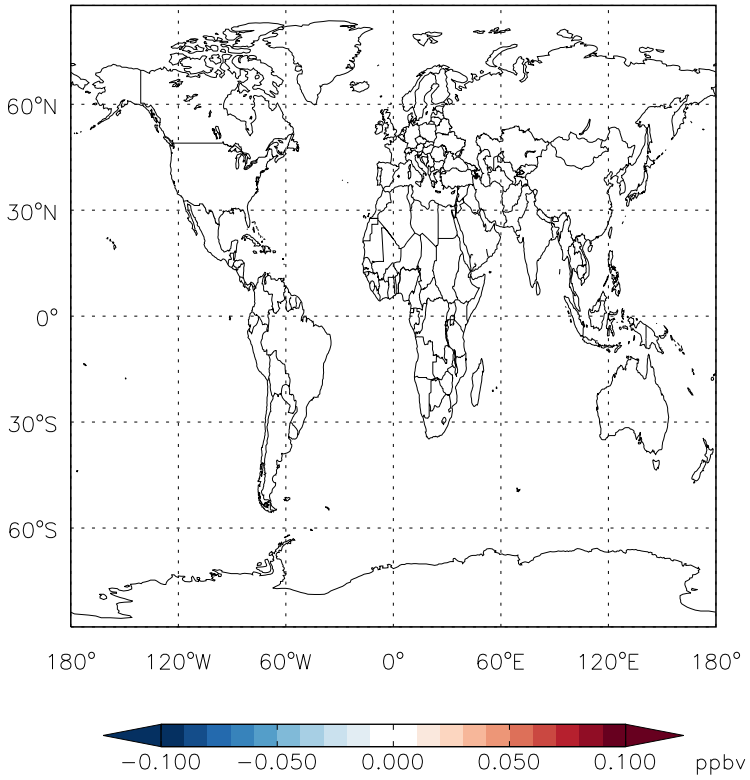
v11-01d-Run1 - v10-01-public-Run0

CINO3 - Diff @ Surface for Apr



v11-01d-Run1 - v10-01-public-Run0

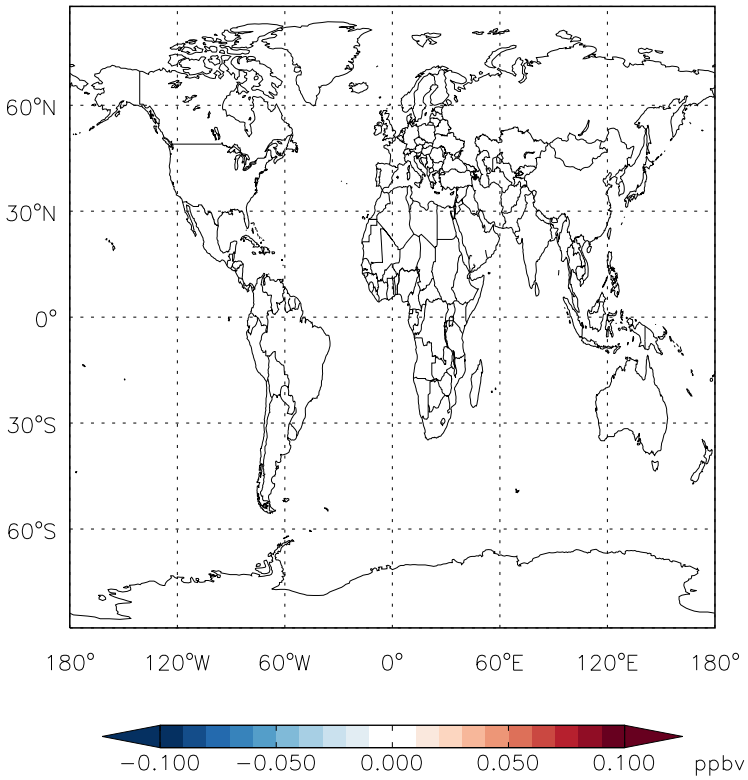
CINO3- Diff @ 500 hPa for Apr



GEOS−Chem Difference Maps at surface and 500 hPa

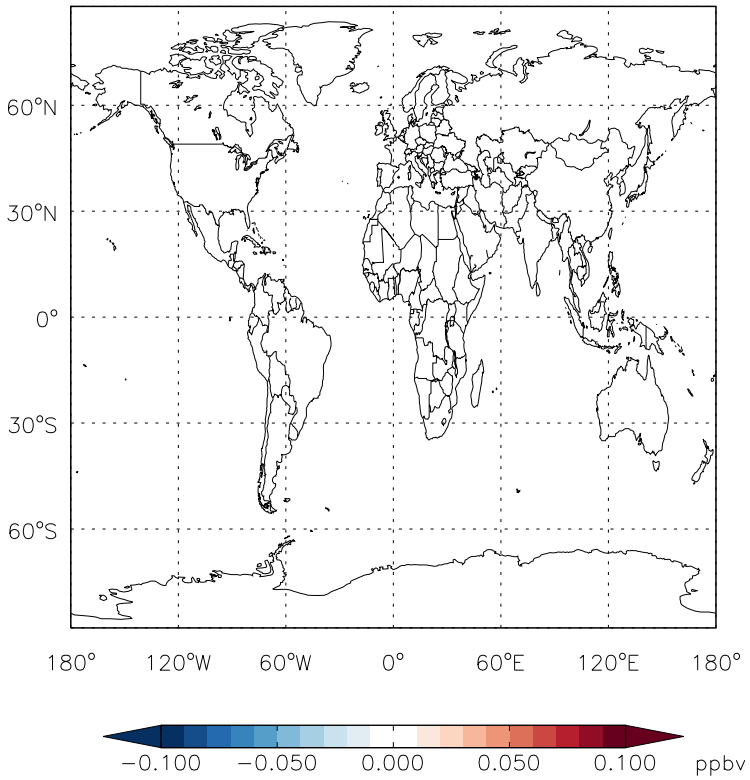
v11−01d−Run1 − v11−01b−Run0

ClNO2 − Diff @ Surface for Apr



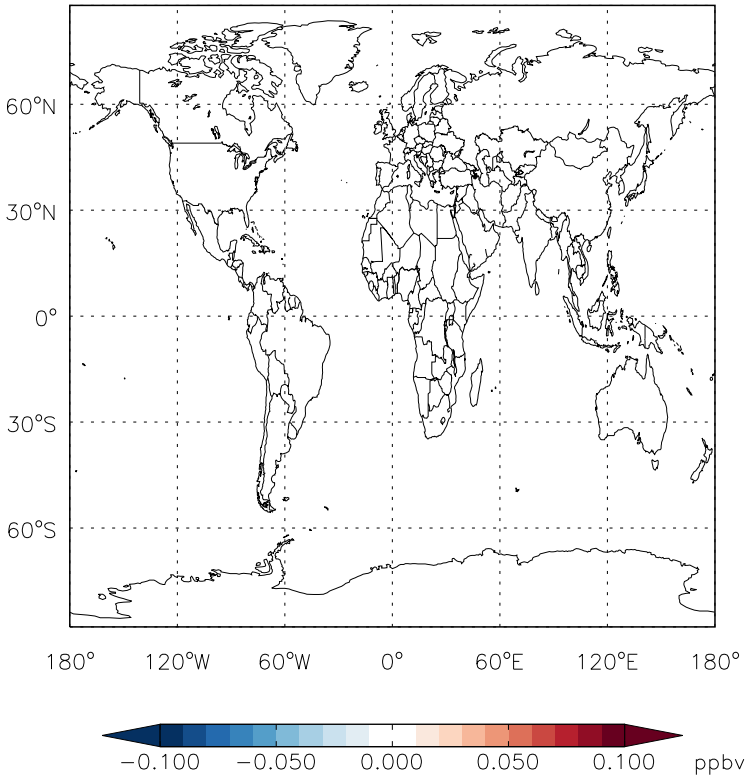
v11−01d−Run1 − v11−01b−Run0

ClNO2− Diff @ 500 hPa for Apr



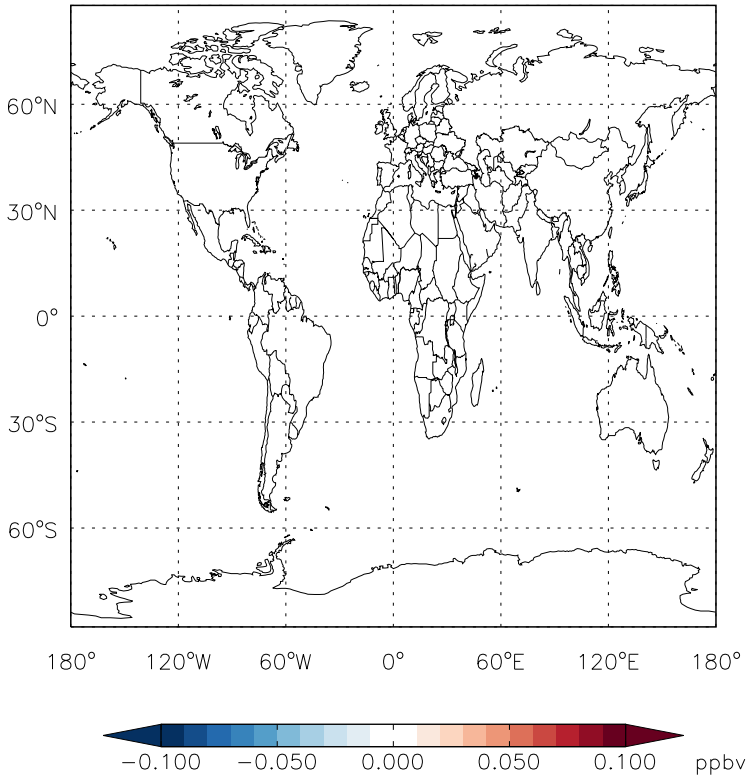
v11−01d−Run1 − v10−01−public−Run0

ClNO2 − Diff @ Surface for Apr



v11−01d−Run1 − v10−01−public−Run0

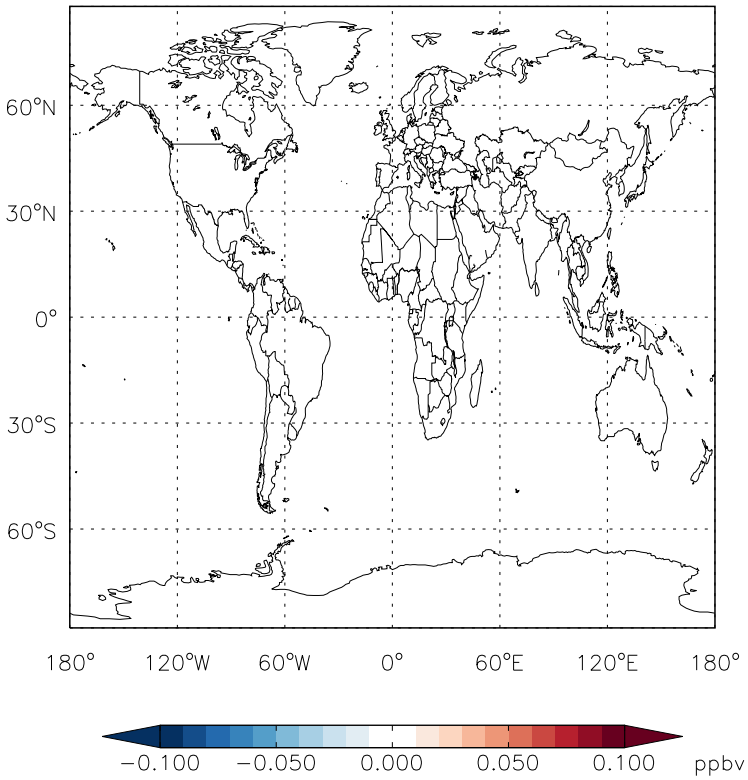
ClNO2− Diff @ 500 hPa for Apr



GEOS–Chem Difference Maps at surface and 500 hPa

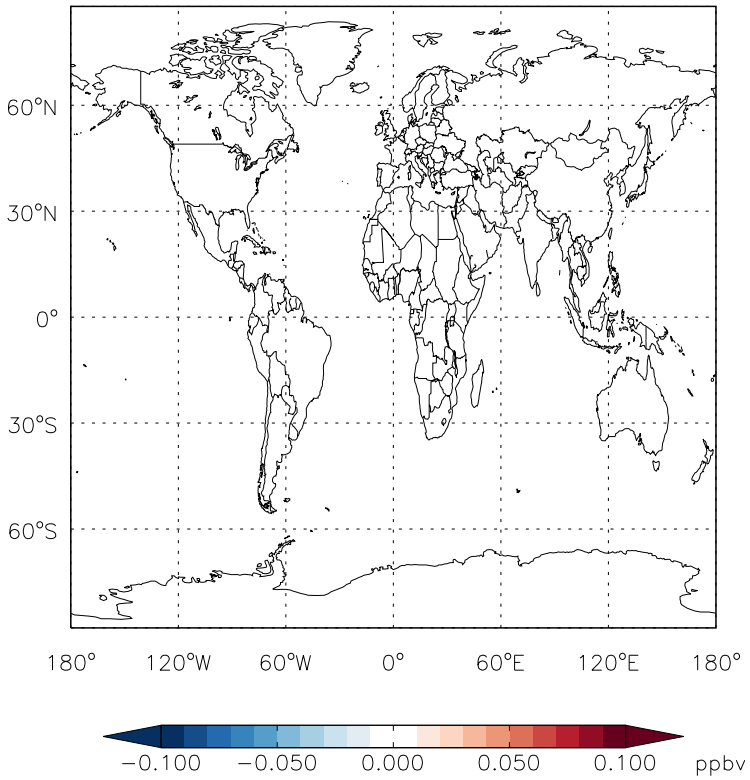
v11–01d–Run1 – v11–01b–Run0

ClOO – Diff @ Surface for Apr



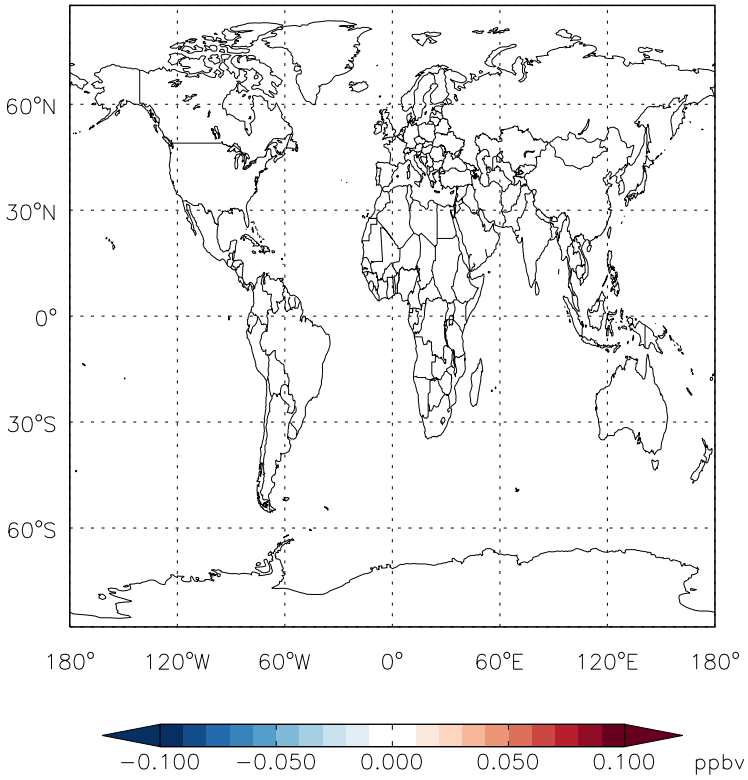
v11–01d–Run1 – v11–01b–Run0

ClOO– Diff @ 500 hPa for Apr



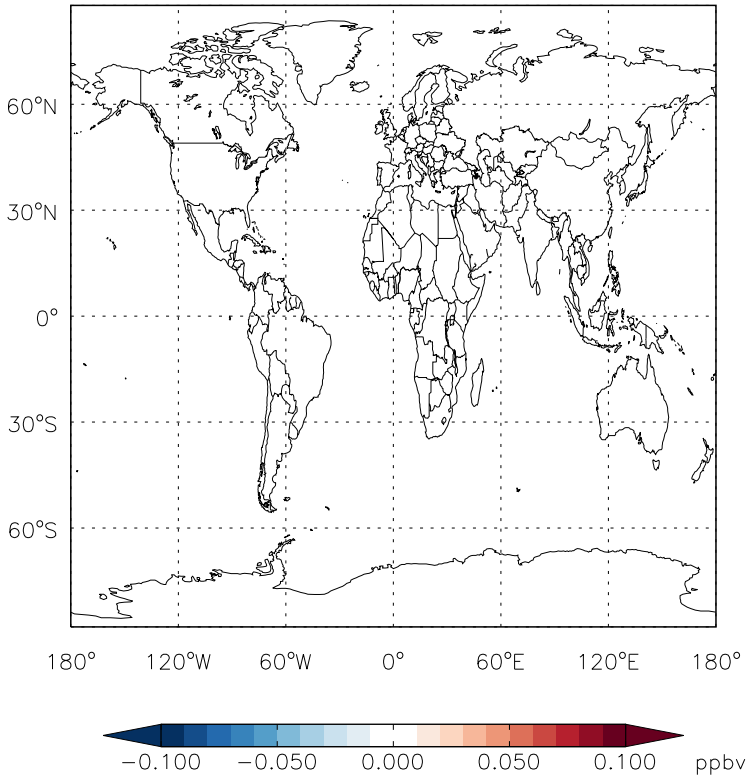
v11–01d–Run1 – v10–01–public–Run0

ClOO – Diff @ Surface for Apr



v11–01d–Run1 – v10–01–public–Run0

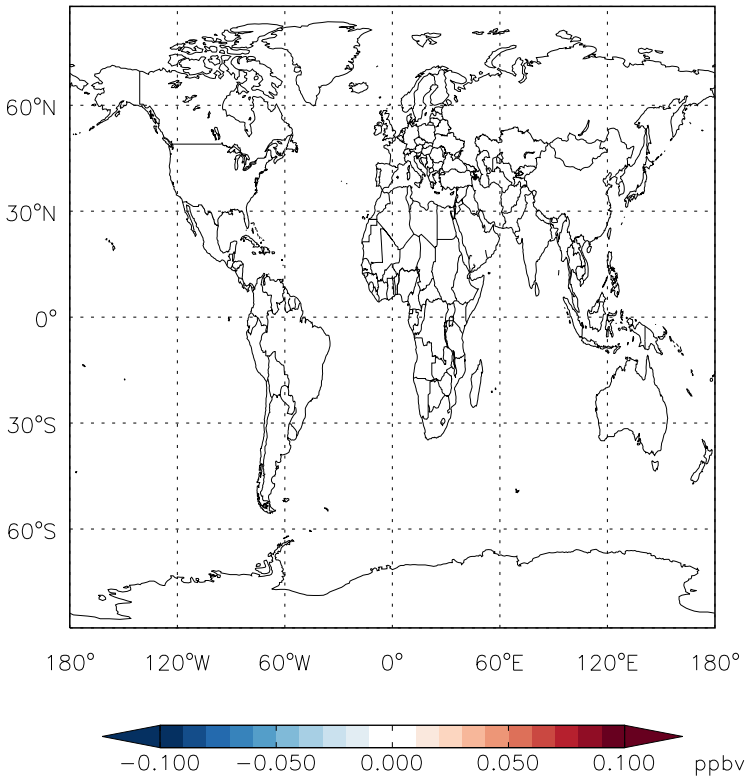
ClOO– Diff @ 500 hPa for Apr



GEOS–Chem Difference Maps at surface and 500 hPa

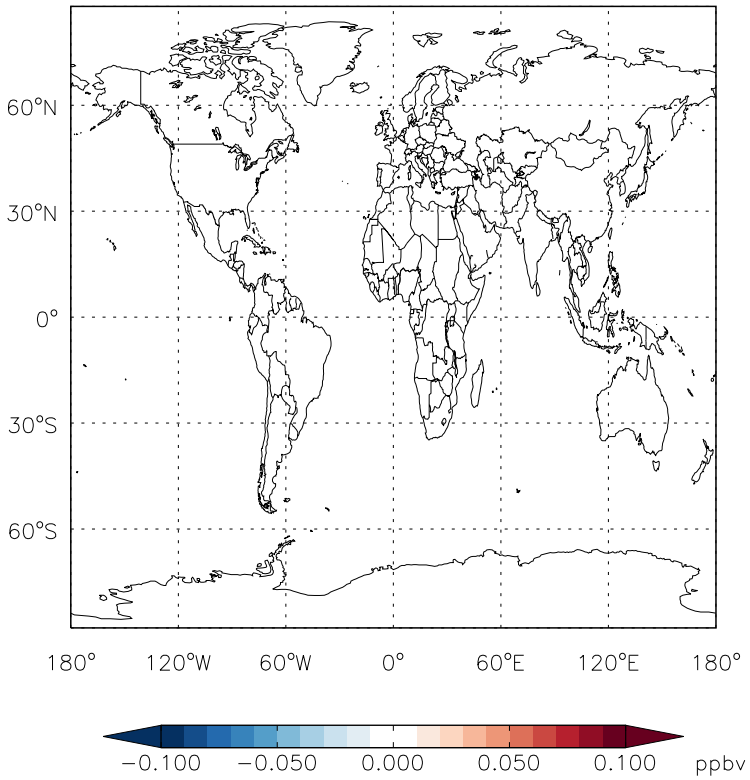
v11–01d–Run1 – v11–01b–Run0

OClO – Diff @ Surface for Apr



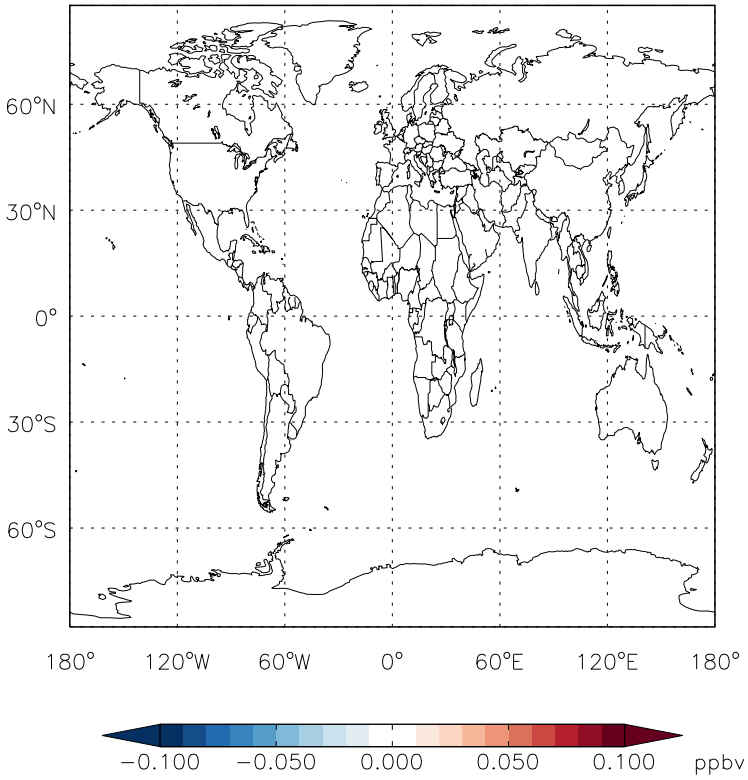
v11–01d–Run1 – v11–01b–Run0

OClO– Diff @ 500 hPa for Apr



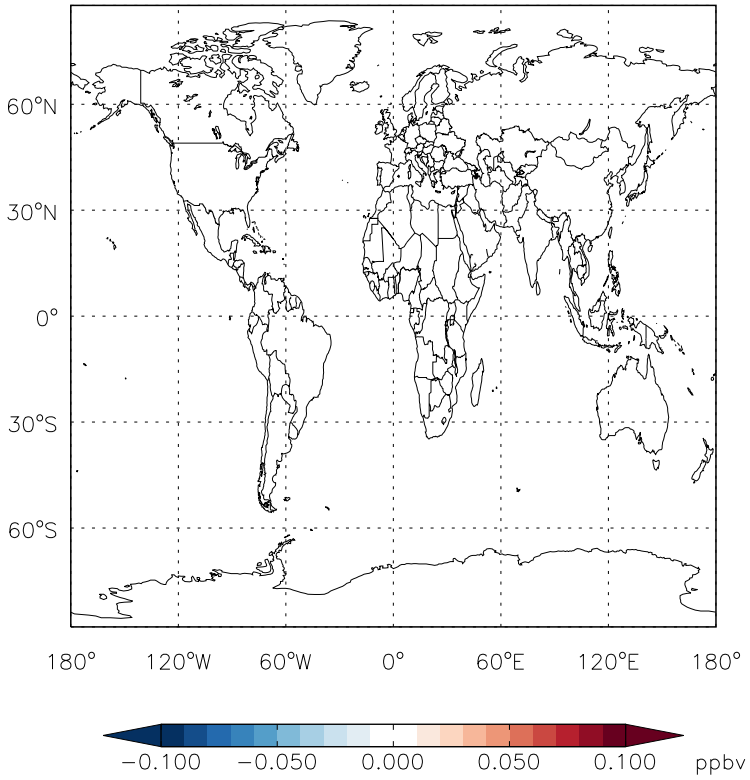
v11–01d–Run1 – v10–01–public–Run0

OClO – Diff @ Surface for Apr



v11–01d–Run1 – v10–01–public–Run0

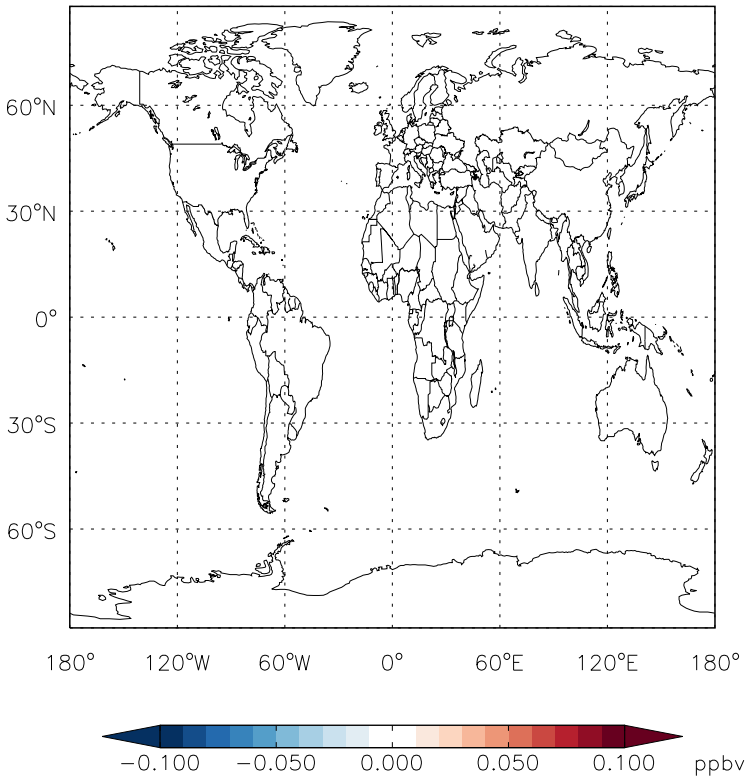
OClO– Diff @ 500 hPa for Apr



GEOS-Chem Difference Maps at surface and 500 hPa

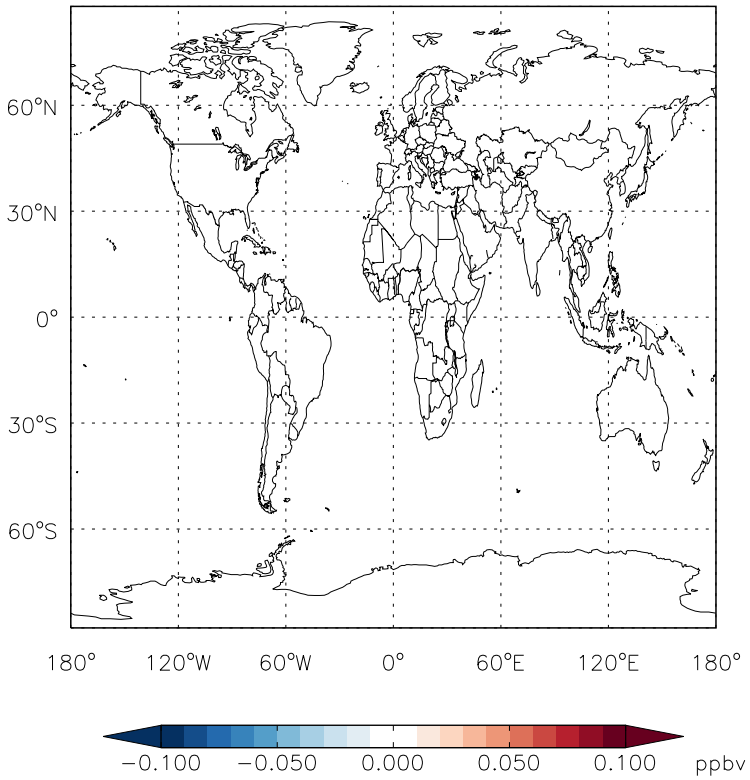
v11-01d-Run1 - v11-01b-Run0

Cl2 - Diff @ Surface for Apr



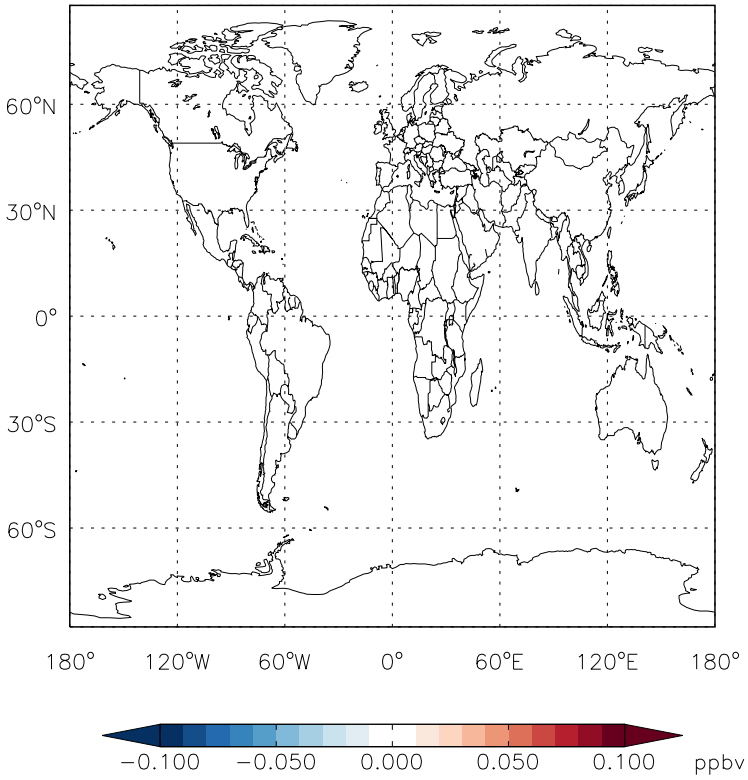
v11-01d-Run1 - v11-01b-Run0

Cl2- Diff @ 500 hPa for Apr



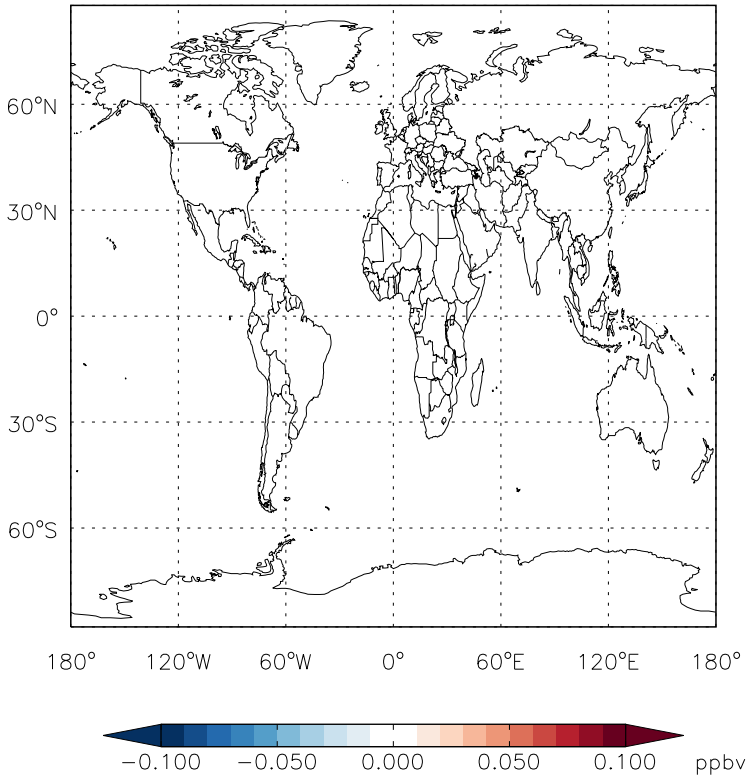
v11-01d-Run1 - v10-01-public-Run0

Cl2 - Diff @ Surface for Apr



v11-01d-Run1 - v10-01-public-Run0

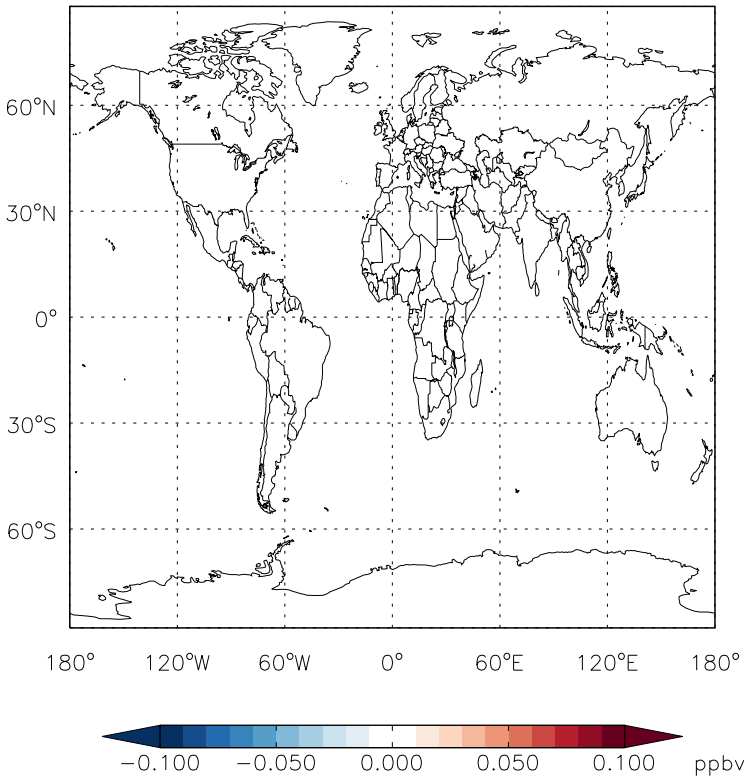
Cl2- Diff @ 500 hPa for Apr



GEOS-Chem Difference Maps at surface and 500 hPa

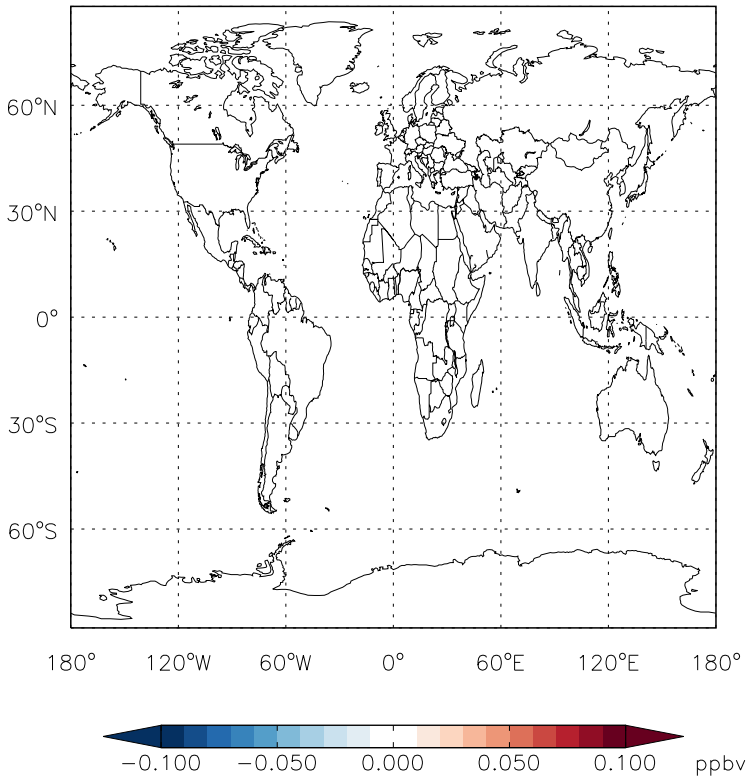
v11-01d-Run1 - v11-01b-Run0

Cl2O2 - Diff @ Surface for Apr



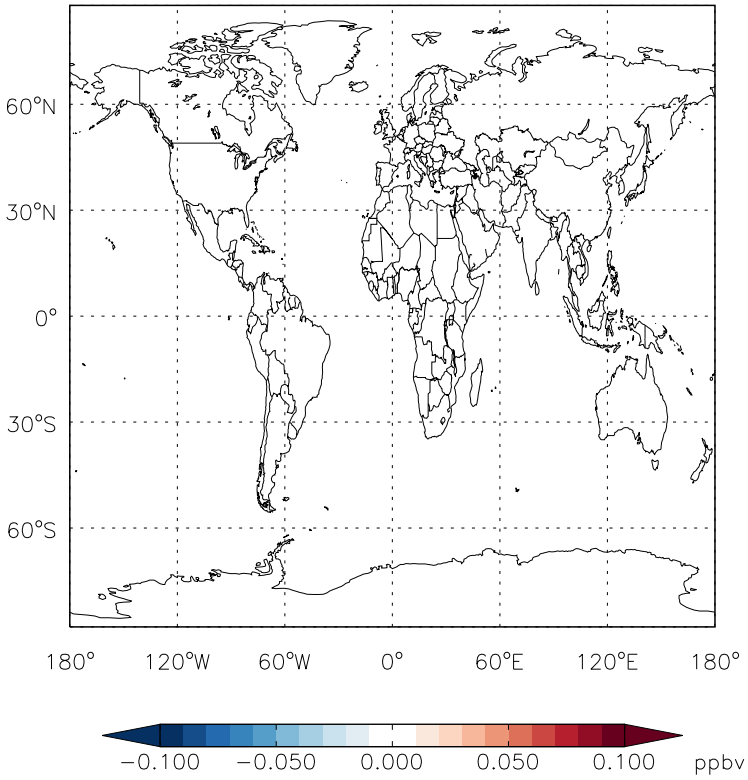
v11-01d-Run1 - v11-01b-Run0

Cl2O2- Diff @ 500 hPa for Apr



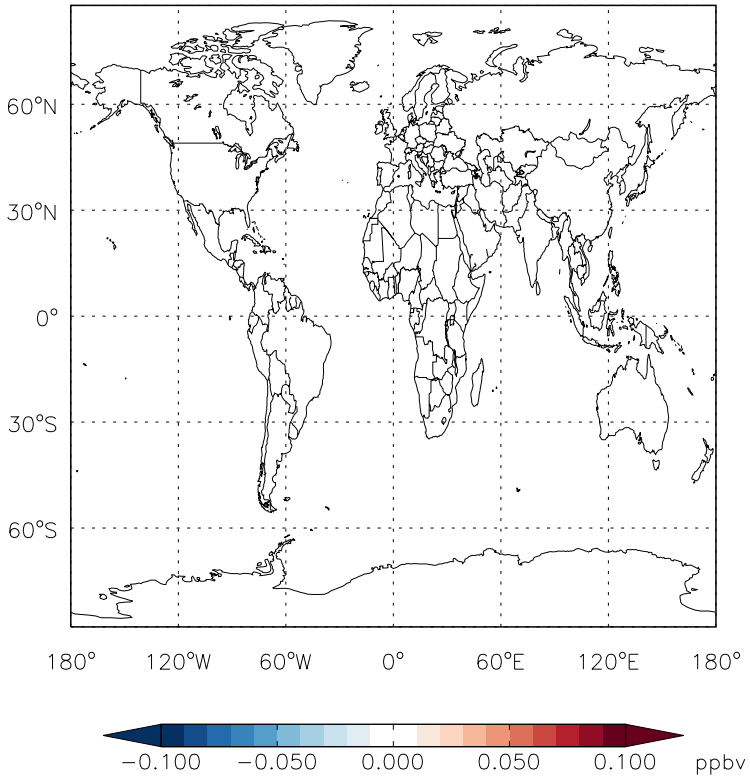
v11-01d-Run1 - v10-01-public-Run0

Cl2O2 - Diff @ Surface for Apr



v11-01d-Run1 - v10-01-public-Run0

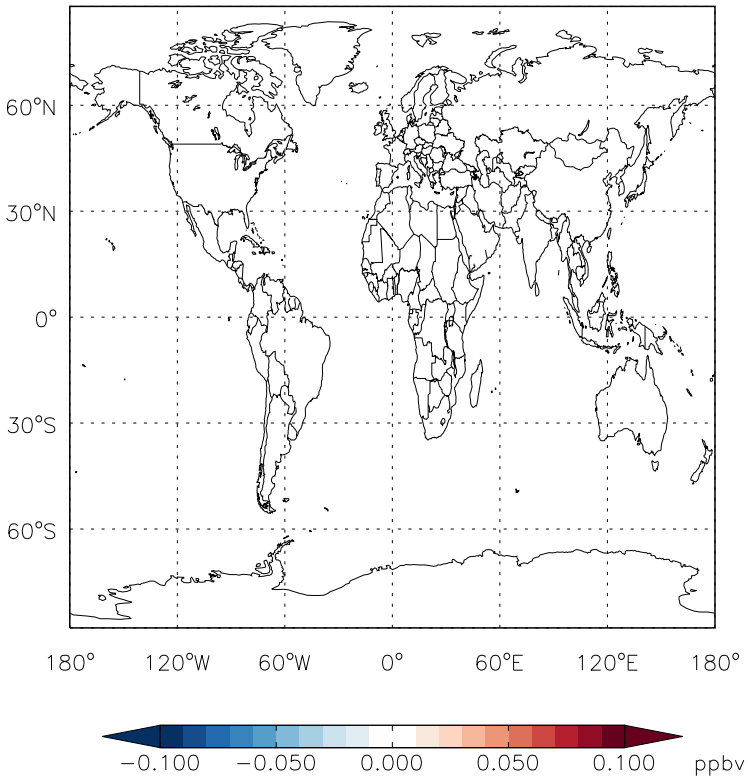
Cl2O2- Diff @ 500 hPa for Apr



GEOS−Chem Difference Maps at surface and 500 hPa

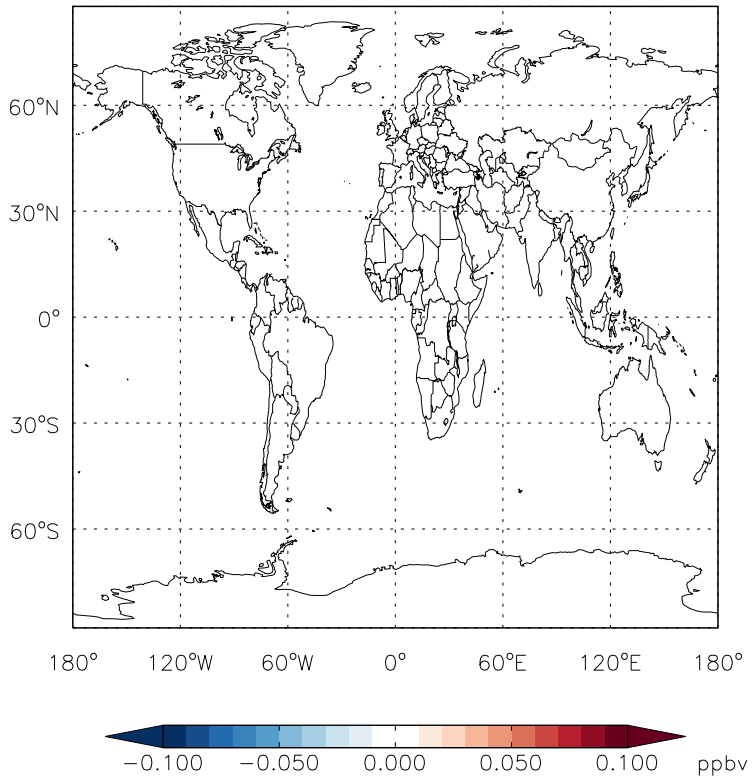
v11−01d−Run1 − v11−01b−Run0

H2O − Diff @ Surface for Apr



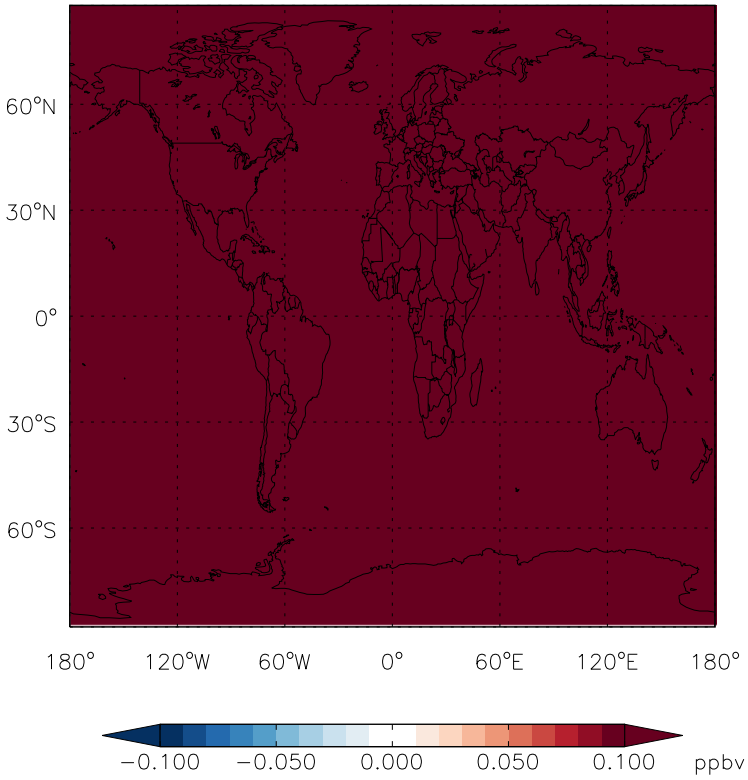
v11−01d−Run1 − v11−01b−Run0

H2O− Diff @ 500 hPa for Apr



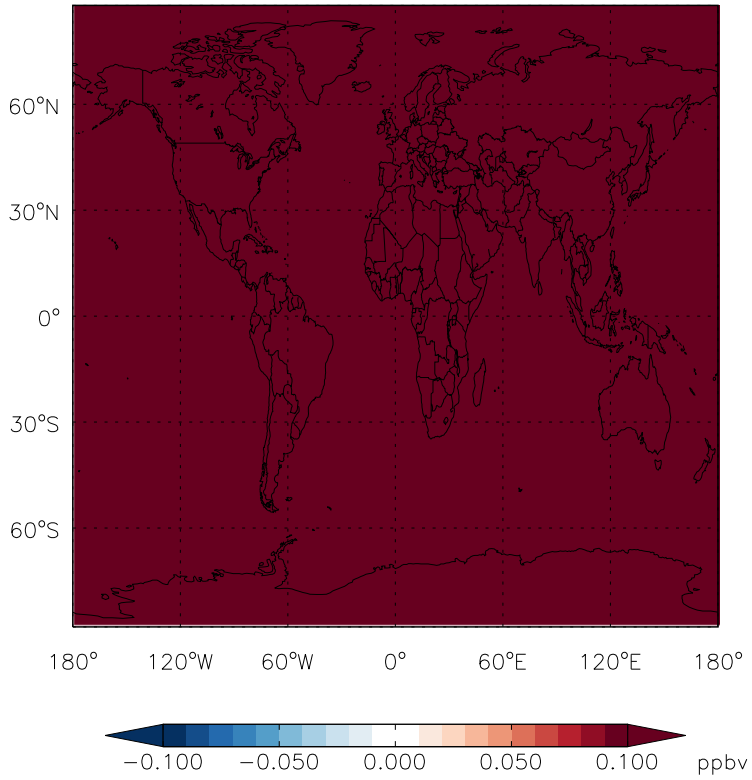
v11−01d−Run1 − v10−01−public−Run0

H2O − Diff @ Surface for Apr



v11−01d−Run1 − v10−01−public−Run0

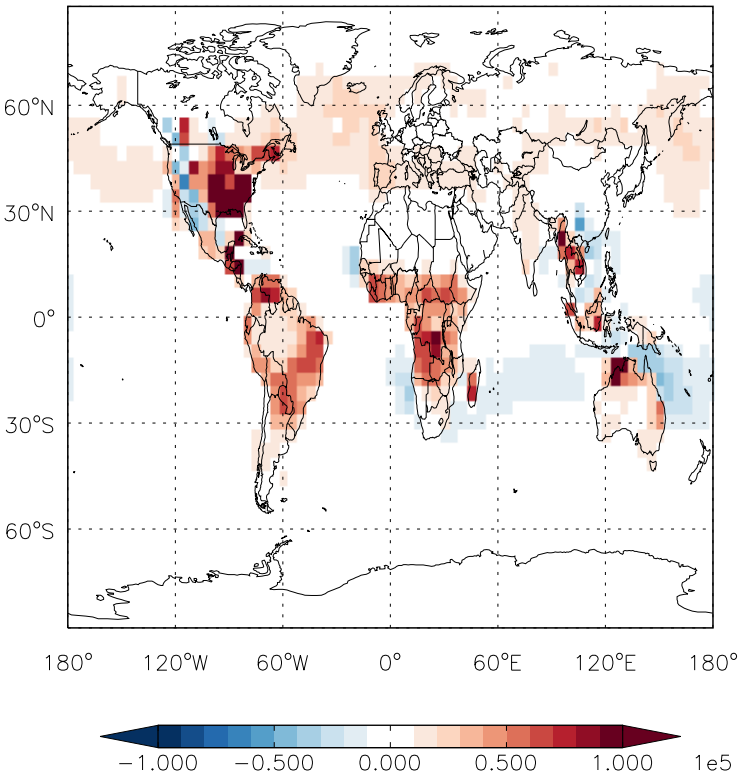
H2O− Diff @ 500 hPa for Apr



GEOS−Chem Difference Maps at surface and 500 hPa

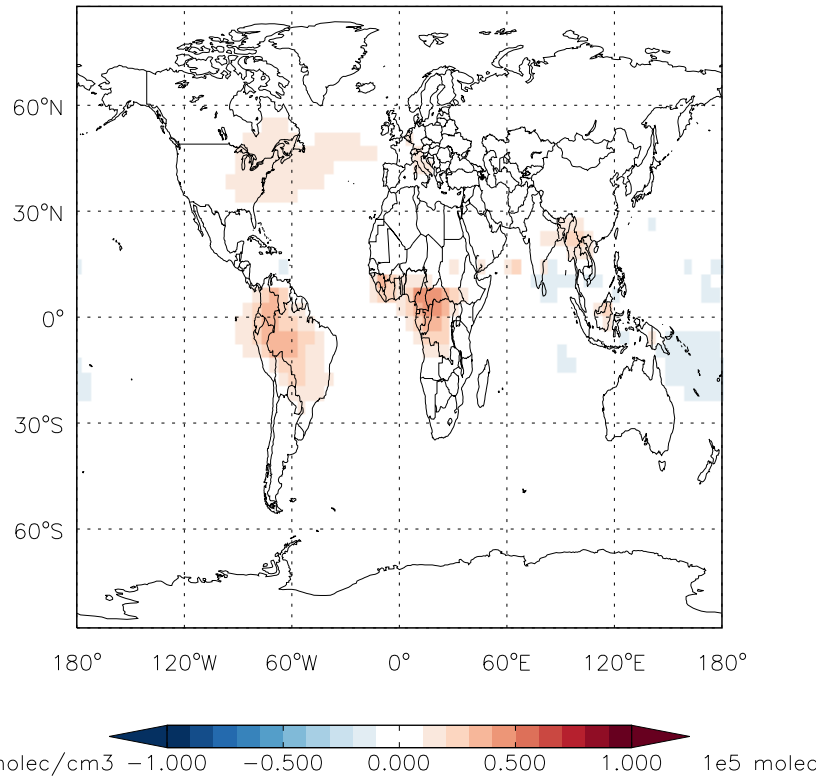
v11−01d−Run1 − v11−01b−Run0

OH − Diff @ Surface for Apr



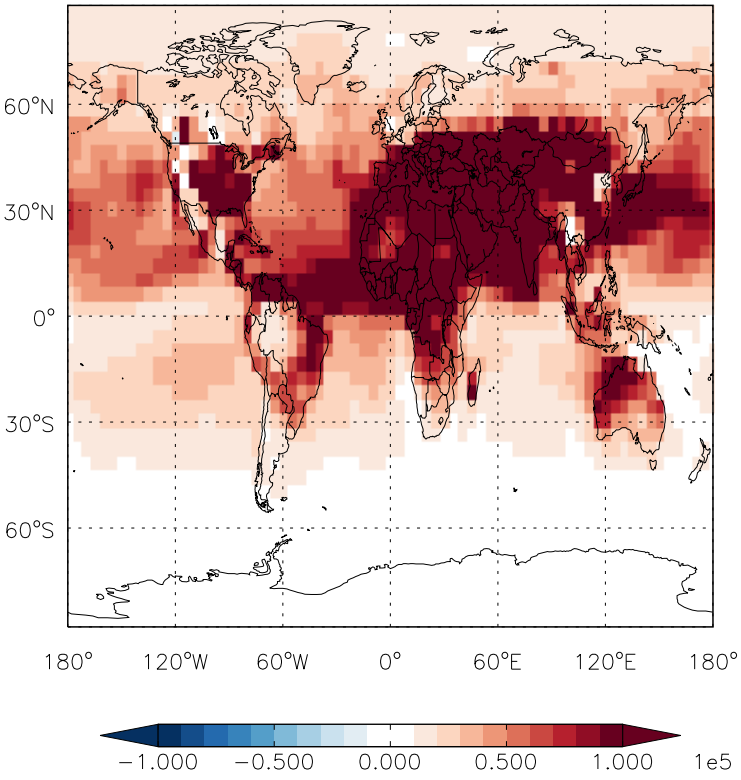
v11−01d−Run1 − v11−01b−Run0

OH− Diff @ 500 hPa for Apr



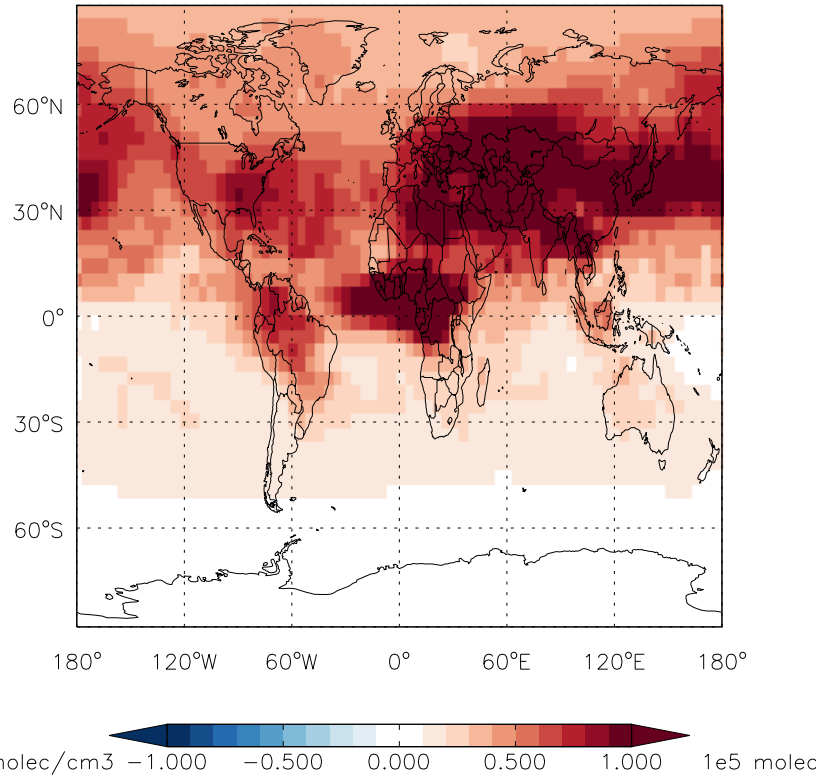
v11−01d−Run1 − v10−01−public−Run0

OH − Diff @ Surface for Apr



v11−01d−Run1 − v10−01−public−Run0

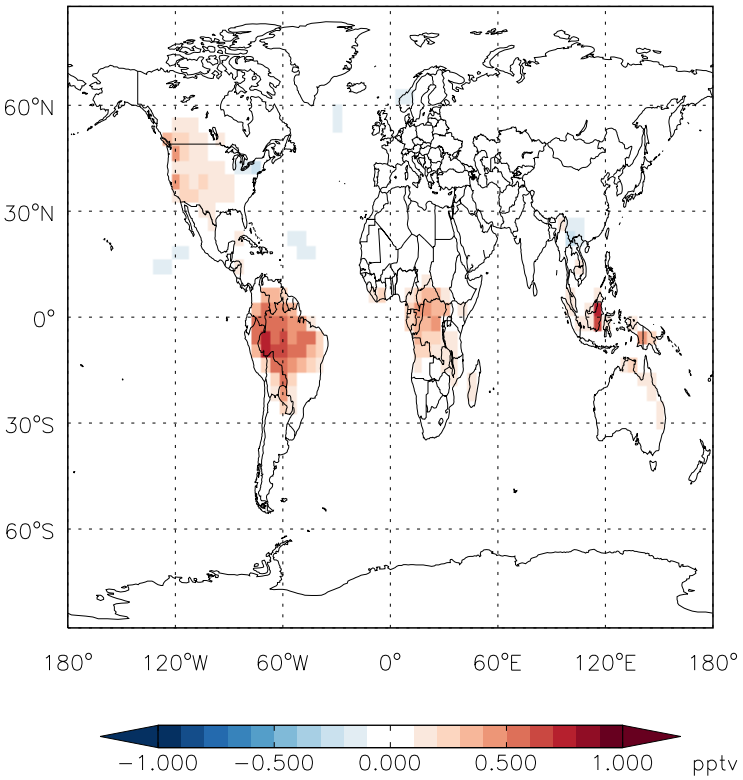
OH− Diff @ 500 hPa for Apr



GEOS−Chem Difference Maps at surface and 500 hPa

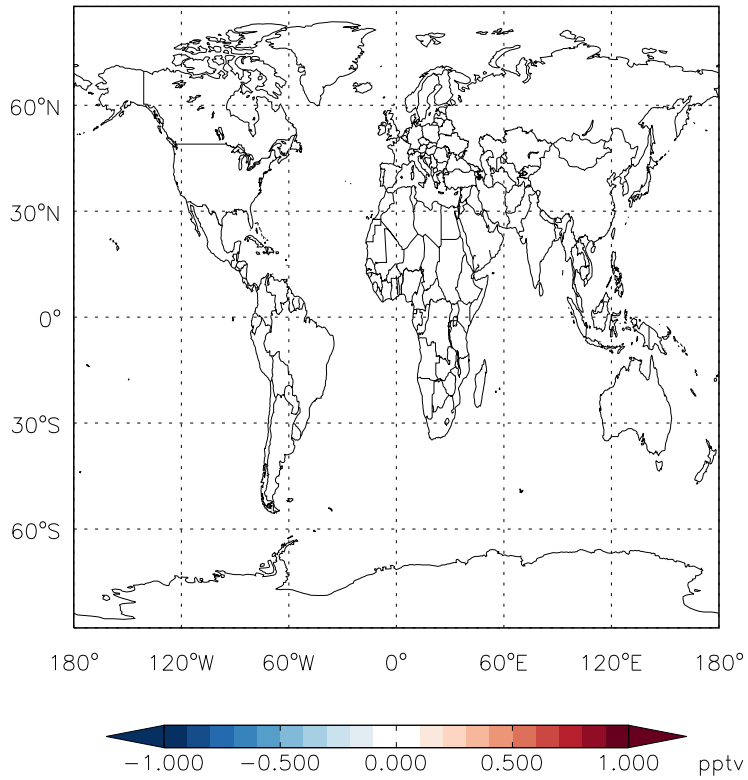
v11−01d−Run1 − v11−01b−Run0

HO2 − Diff @ Surface for Apr



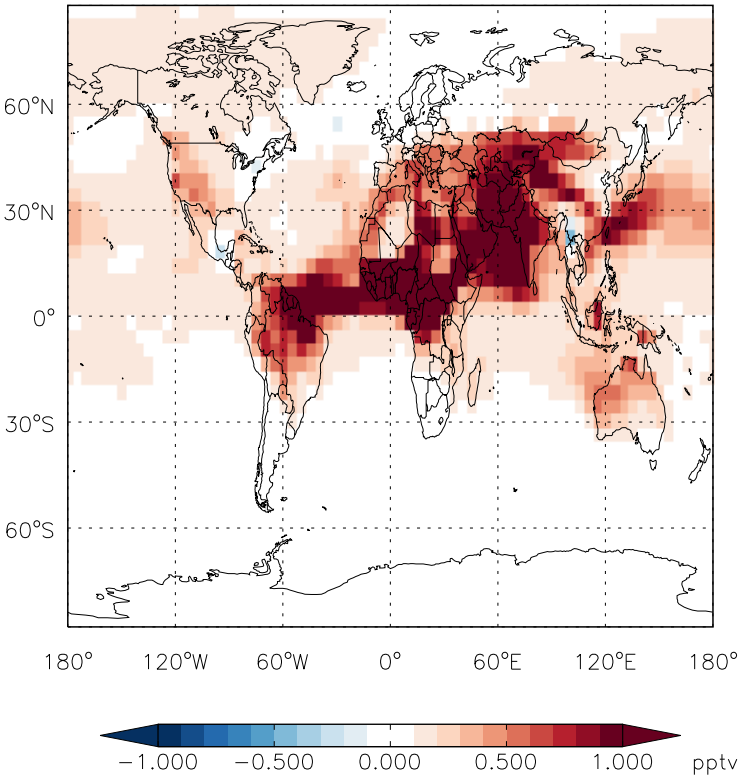
v11−01d−Run1 − v11−01b−Run0

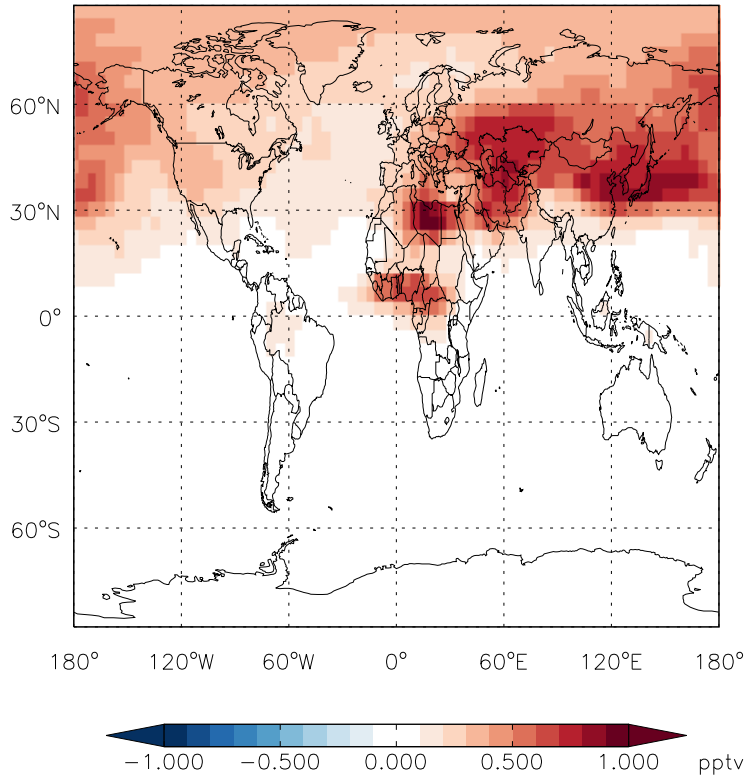
HO2− Diff @ 500 hPa for Apr



v11−01d−Run1 − v10−01−public−Run0

HO2 − Diff @ Surface for Apr



v11−01d−Run1 − v10−01−public−Run0

HO2− Diff @ 500 hPa for Apr