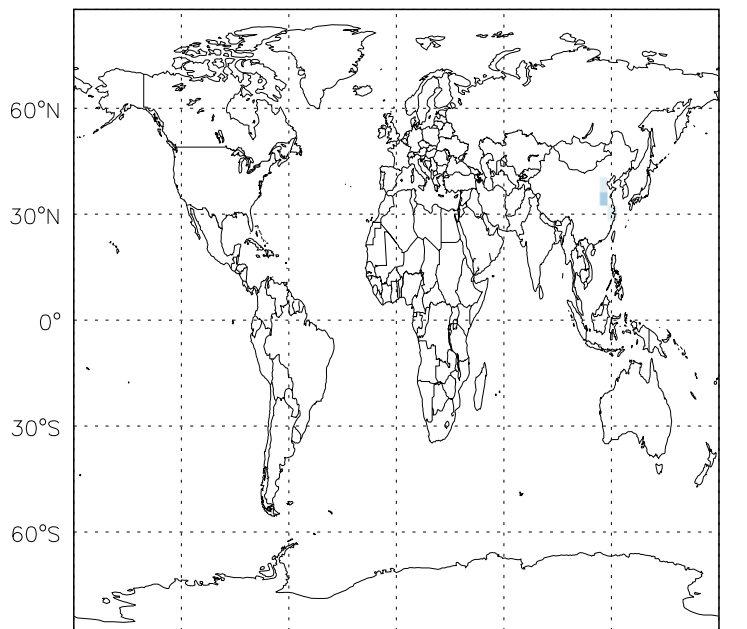


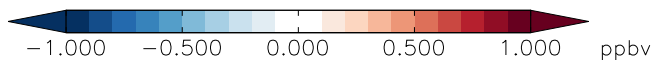
# GEOS-Chem Difference Maps at surface and 500 hPa

v11-01b-Run0 - v10-01-public-Run0

NO - Diff @ Surface for Apr

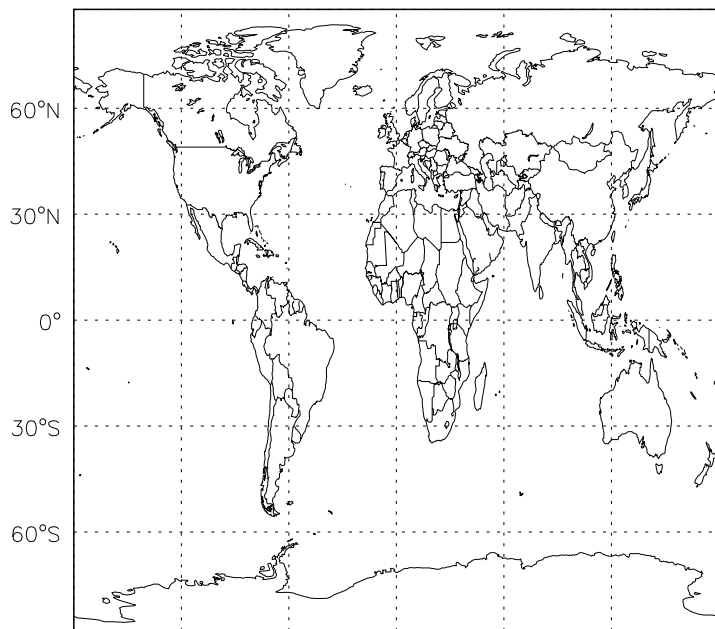


180° 120°W 60°W 0° 60°E 120°E 180°

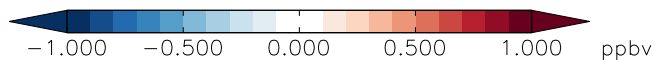


v11-01b-Run0 - v10-01-public-Run0

NO- Diff @ 500 hPa for Apr

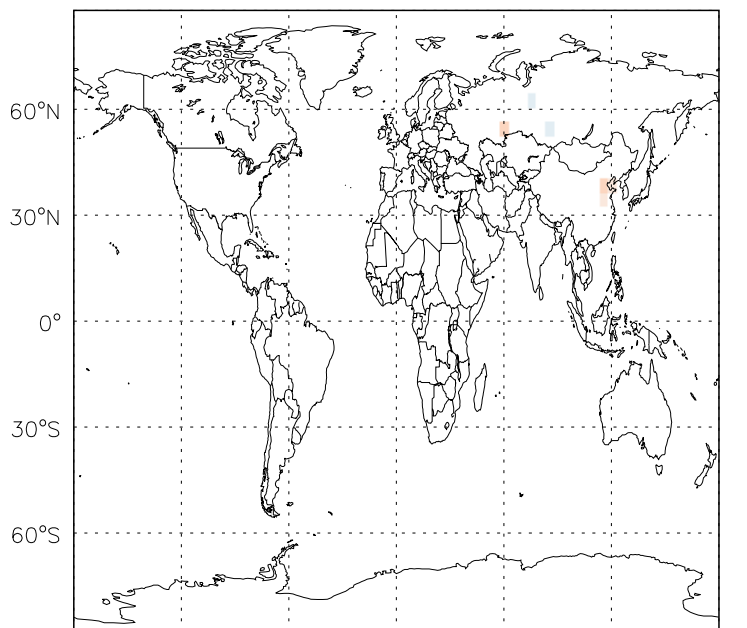


180° 120°W 60°W 0° 60°E 120°E 180°

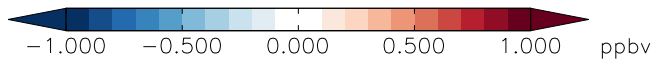


v11-01b-Run0 - v10-01i-geosfp-Run0

NO - Diff @ Surface for Apr

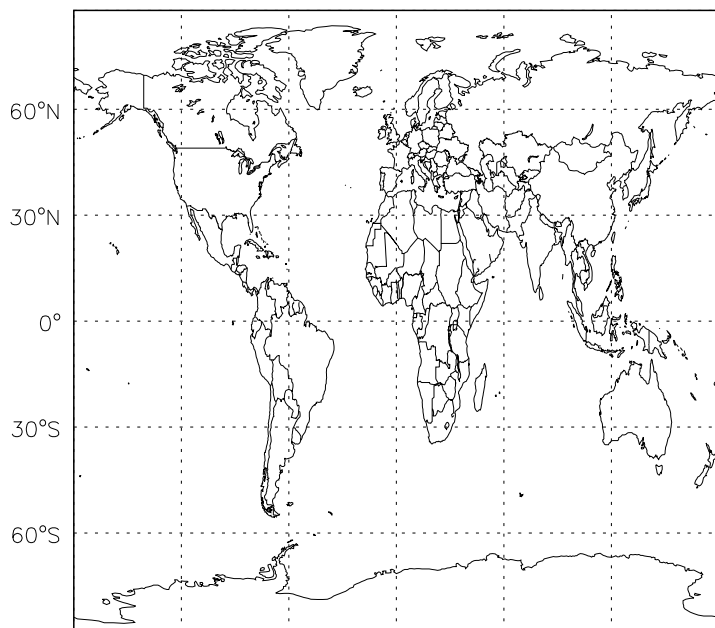


180° 120°W 60°W 0° 60°E 120°E 180°

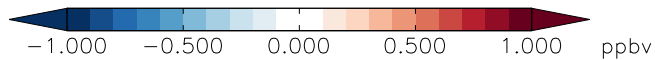


v11-01b-Run0 - v10-01i-geosfp-Run0

NO- Diff @ 500 hPa for Apr



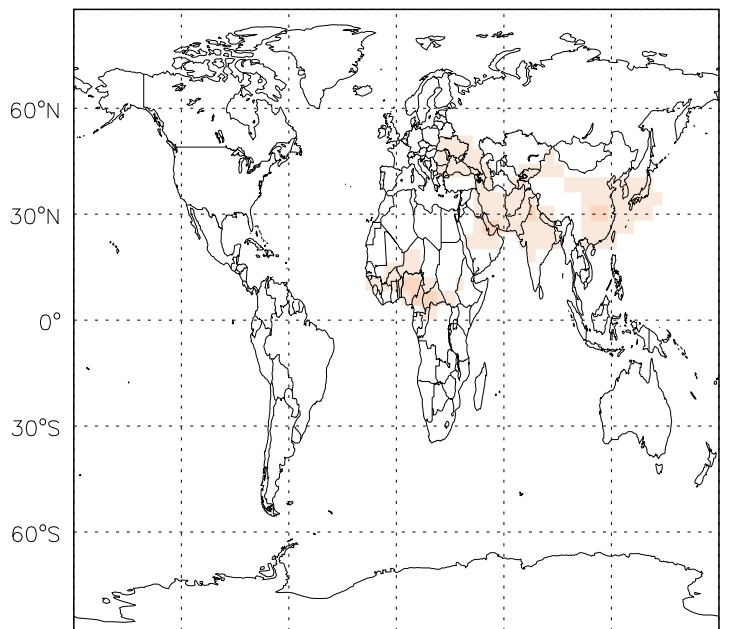
180° 120°W 60°W 0° 60°E 120°E 180°



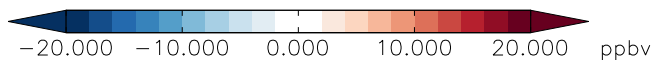
# GEOS-Chem Difference Maps at surface and 500 hPa

v11-01b-Run0 - v10-01-public-Run0

O3 - Diff @ Surface for Apr

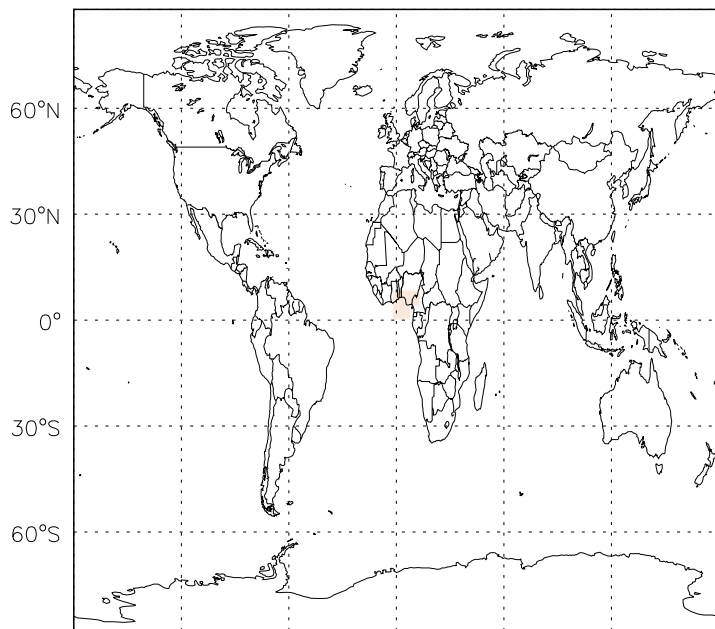


180° 120°W 60°W 0° 60°E 120°E 180°

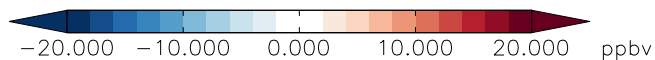


v11-01b-Run0 - v10-01-public-Run0

O3- Diff @ 500 hPa for Apr

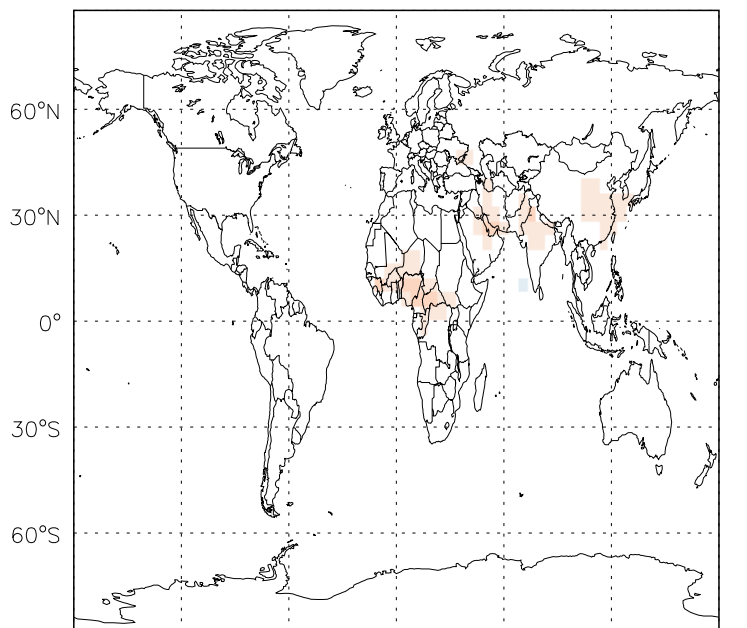


180° 120°W 60°W 0° 60°E 120°E 180°

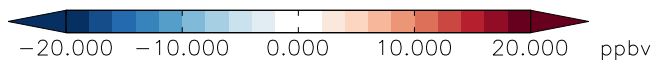


v11-01b-Run0 - v10-01i-geosfp-Run0

O3 - Diff @ Surface for Apr

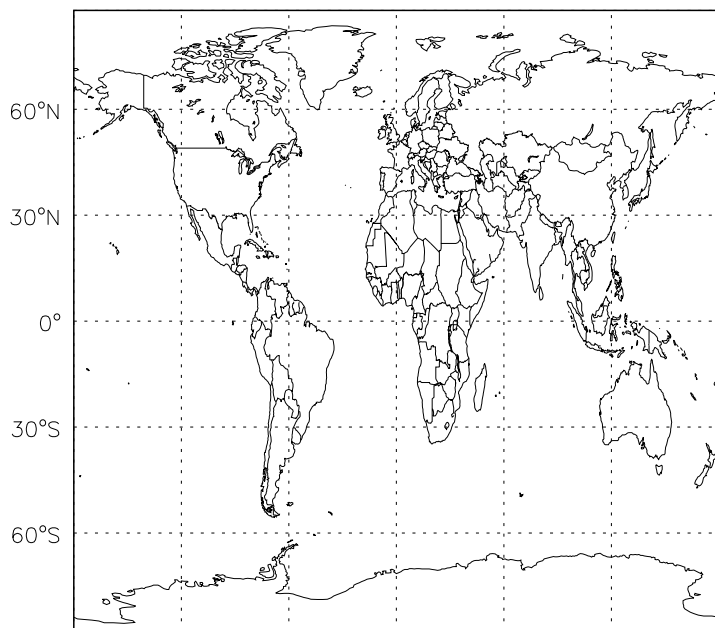


180° 120°W 60°W 0° 60°E 120°E 180°

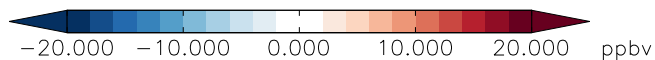


v11-01b-Run0 - v10-01i-geosfp-Run0

O3- Diff @ 500 hPa for Apr



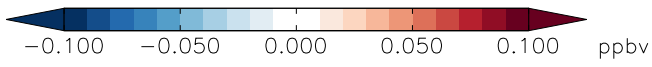
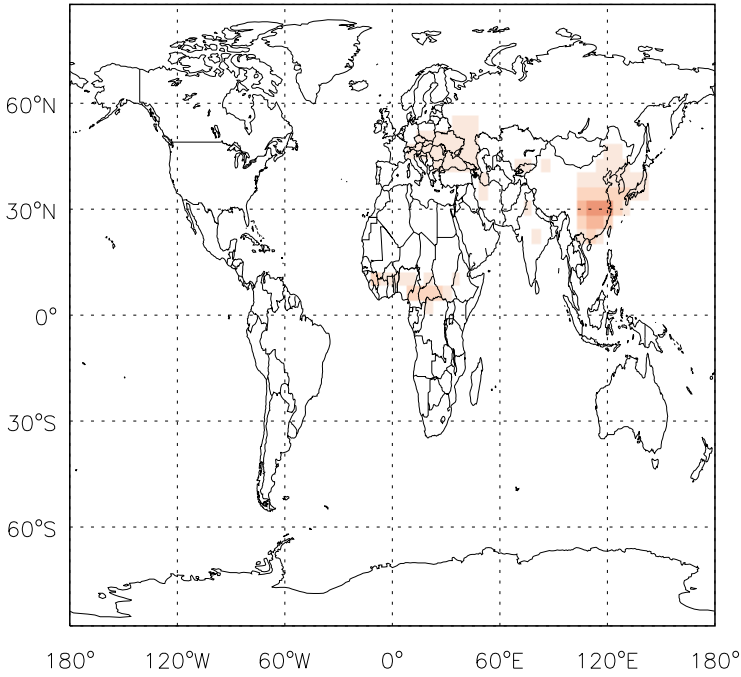
180° 120°W 60°W 0° 60°E 120°E 180°



GEOS-Chem Difference Maps at surface and 500 hPa

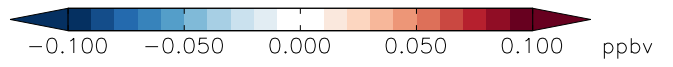
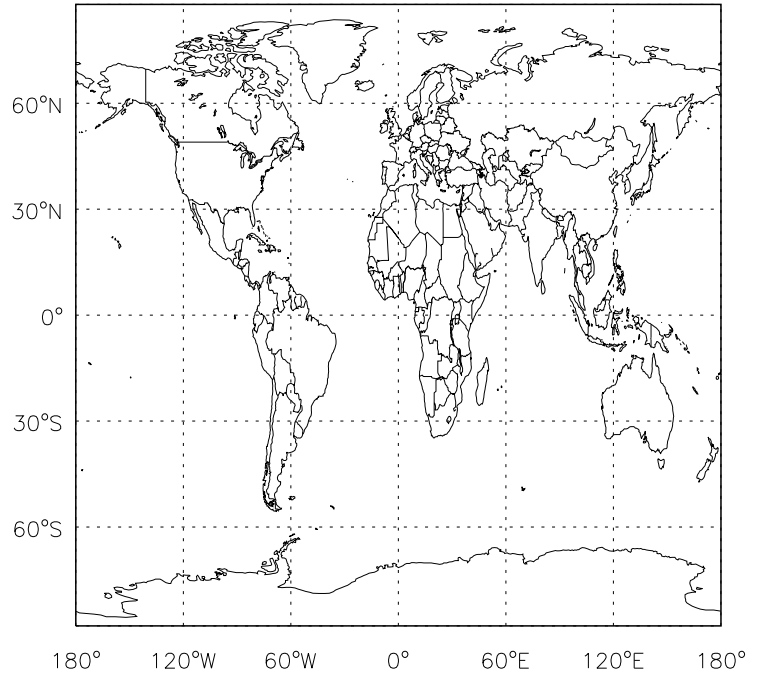
v11-01b-Run0 - v10-01-public-Run0

PAN - Diff @ Surface for Apr



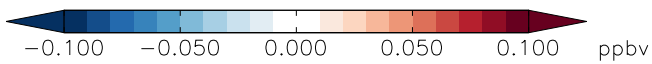
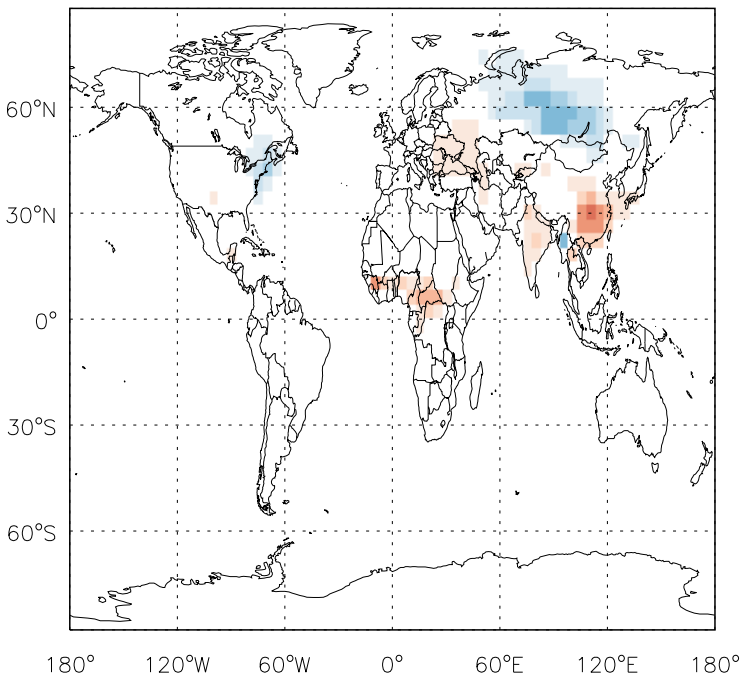
v11-01b-Run0 - v10-01-public-Run0

PAN - Diff @ 500 hPa for Apr



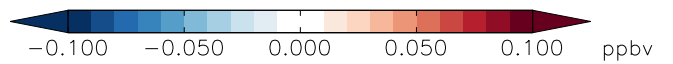
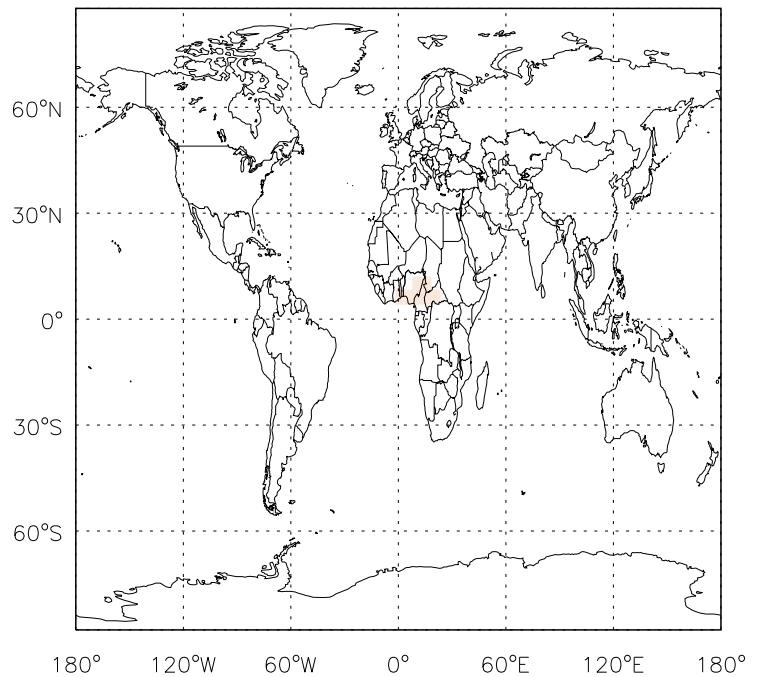
v11-01b-Run0 - v10-01i-geosfp-Run0

PAN - Diff @ Surface for Apr



v11-01b-Run0 - v10-01i-geosfp-Run0

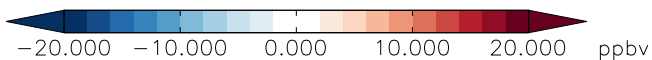
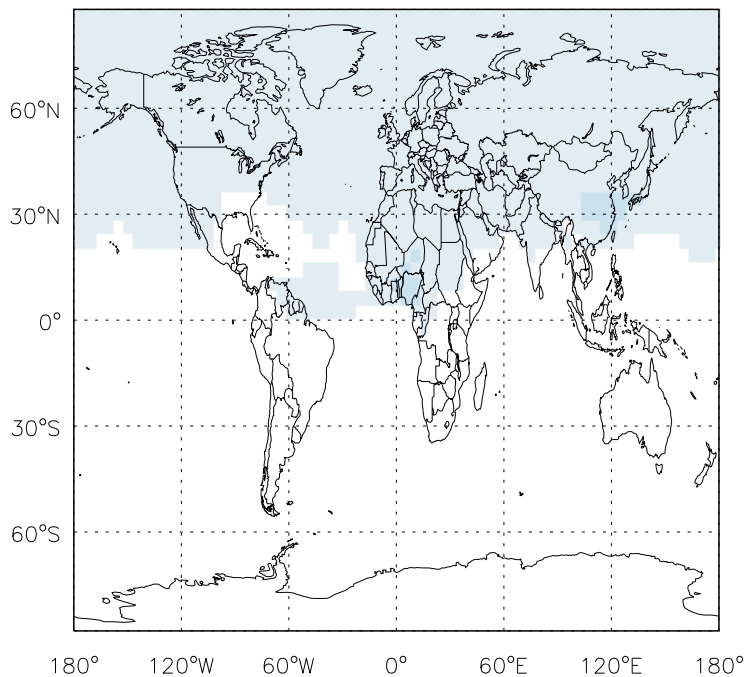
PAN - Diff @ 500 hPa for Apr



# GEOS-Chem Difference Maps at surface and 500 hPa

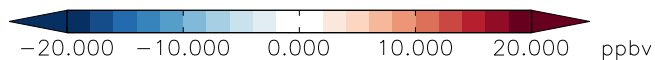
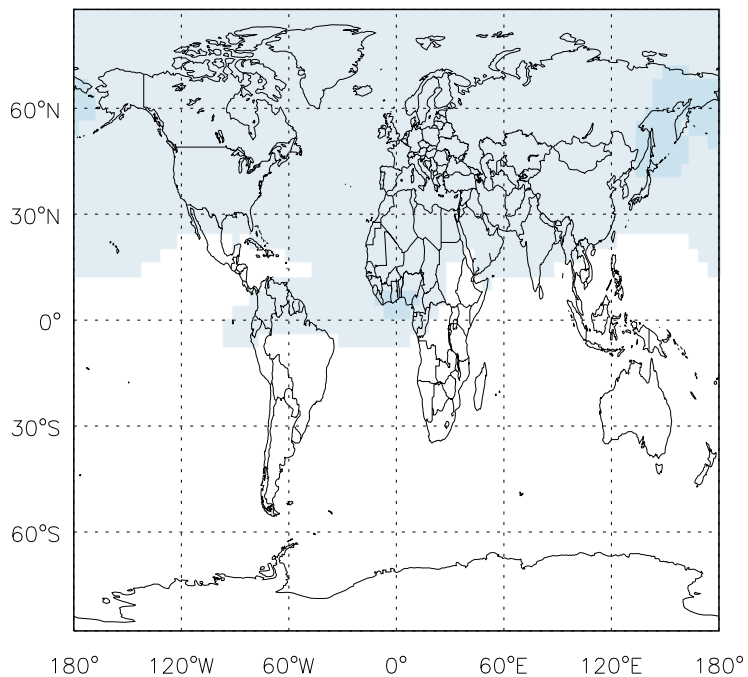
v11-01b-Run0 - v10-01-public-Run0

CO - Diff @ Surface for Apr



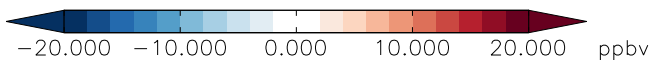
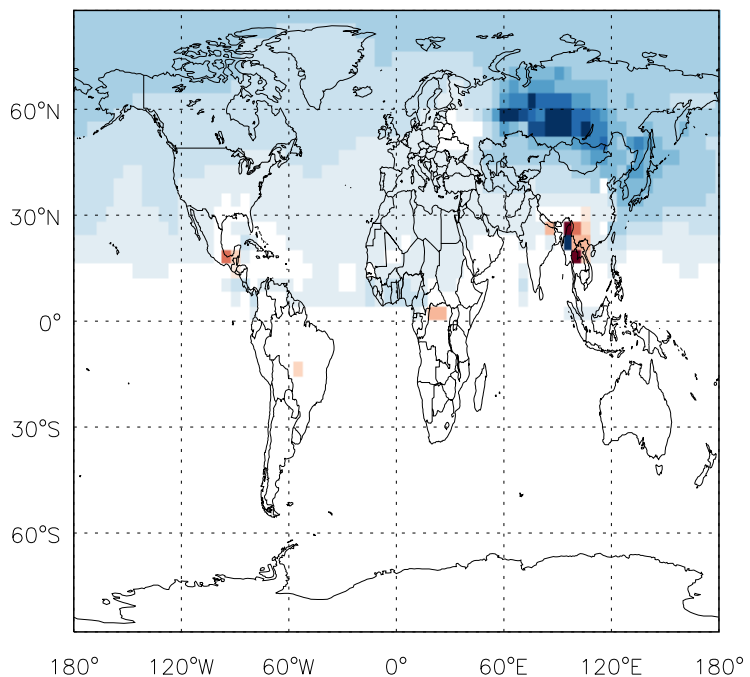
v11-01b-Run0 - v10-01-public-Run0

CO - Diff @ 500 hPa for Apr



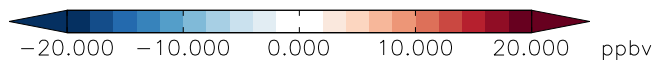
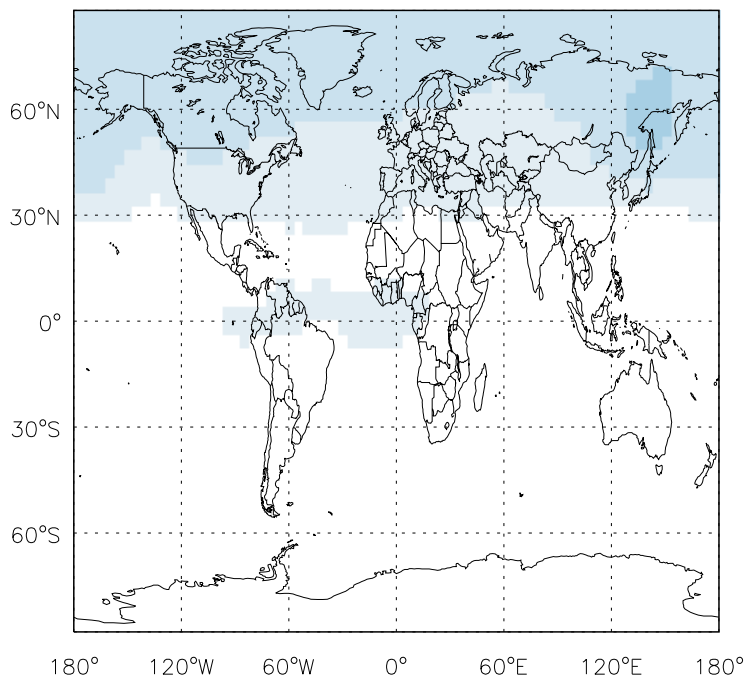
v11-01b-Run0 - v10-01i-geosfp-Run0

CO - Diff @ Surface for Apr



v11-01b-Run0 - v10-01i-geosfp-Run0

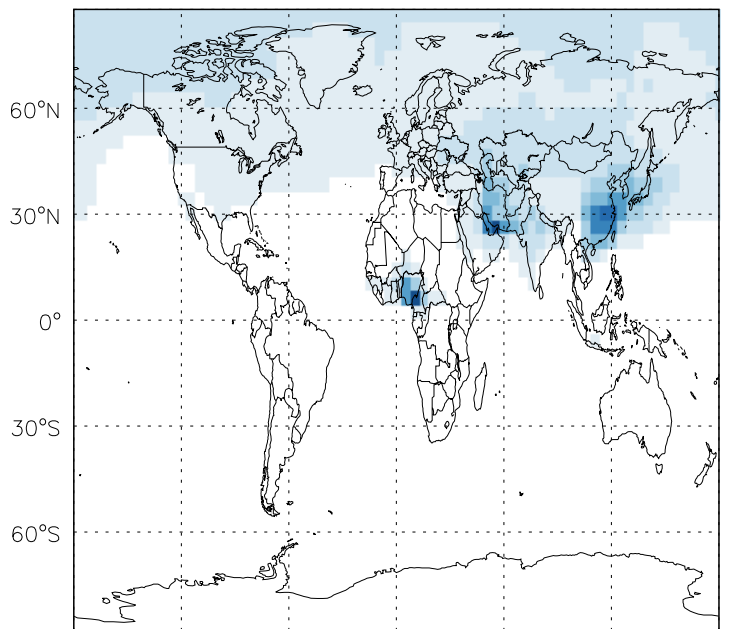
CO - Diff @ 500 hPa for Apr



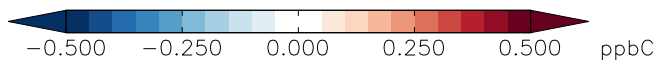
# GEOS-Chem Difference Maps at surface and 500 hPa

v11-01b-Run0 - v10-01-public-Run0

ALK4 - Diff @ Surface for Apr

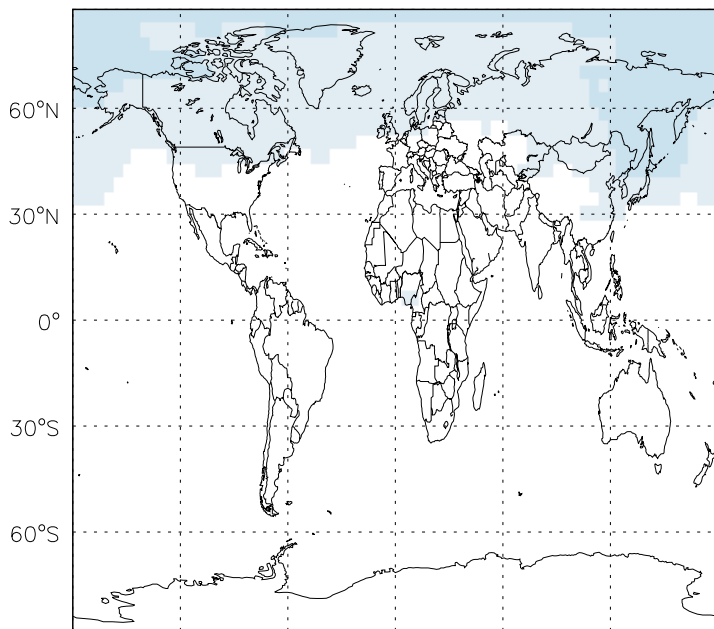


180° 120°W 60°W 0° 60°E 120°E 180°

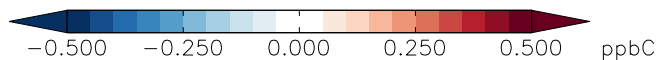


v11-01b-Run0 - v10-01-public-Run0

ALK4 - Diff @ 500 hPa for Apr

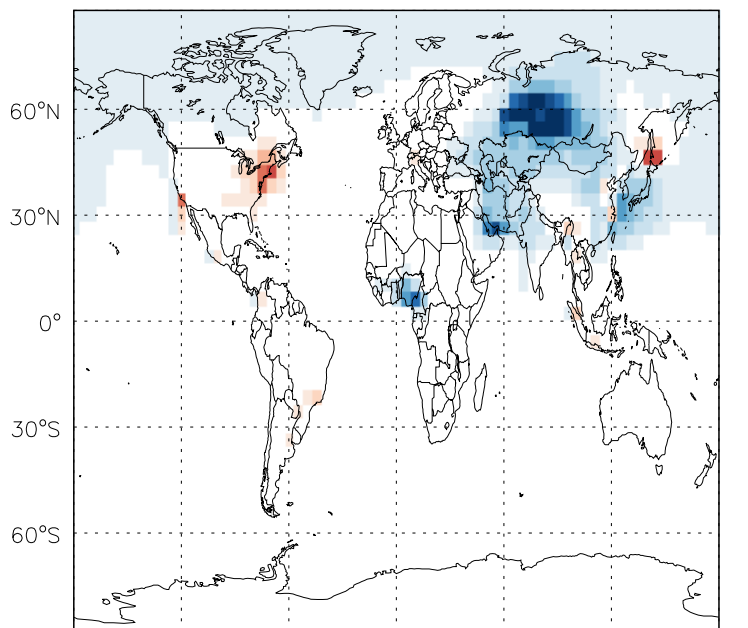


180° 120°W 60°W 0° 60°E 120°E 180°

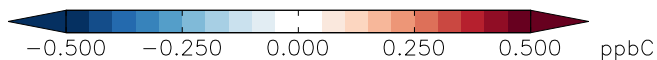


v11-01b-Run0 - v10-01i-geosfp-Run0

ALK4 - Diff @ Surface for Apr

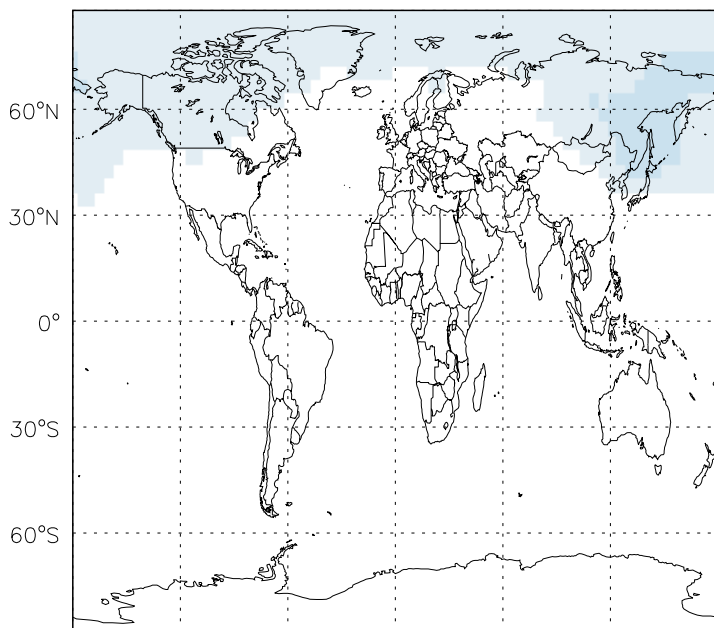


180° 120°W 60°W 0° 60°E 120°E 180°

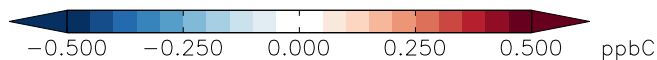


v11-01b-Run0 - v10-01i-geosfp-Run0

ALK4 - Diff @ 500 hPa for Apr

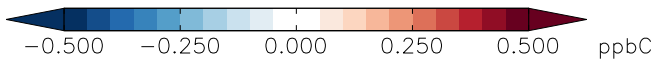
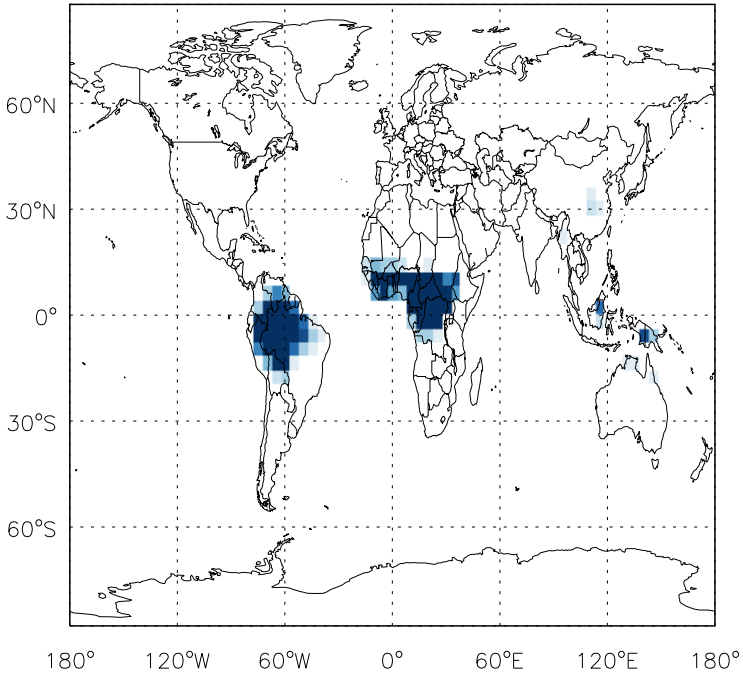


180° 120°W 60°W 0° 60°E 120°E 180°

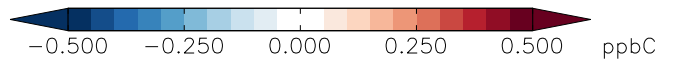
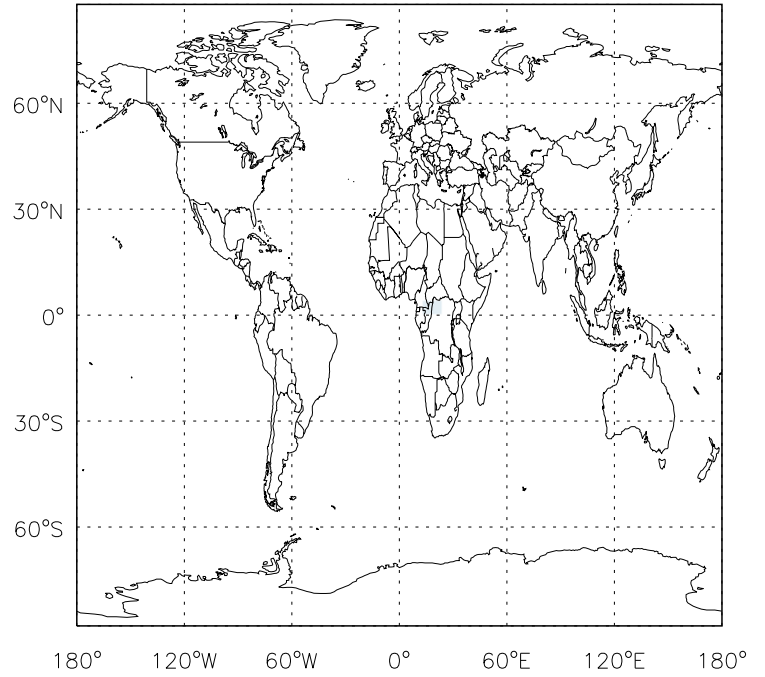


GEOS-Chem Difference Maps at surface and 500 hPa

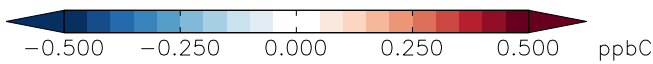
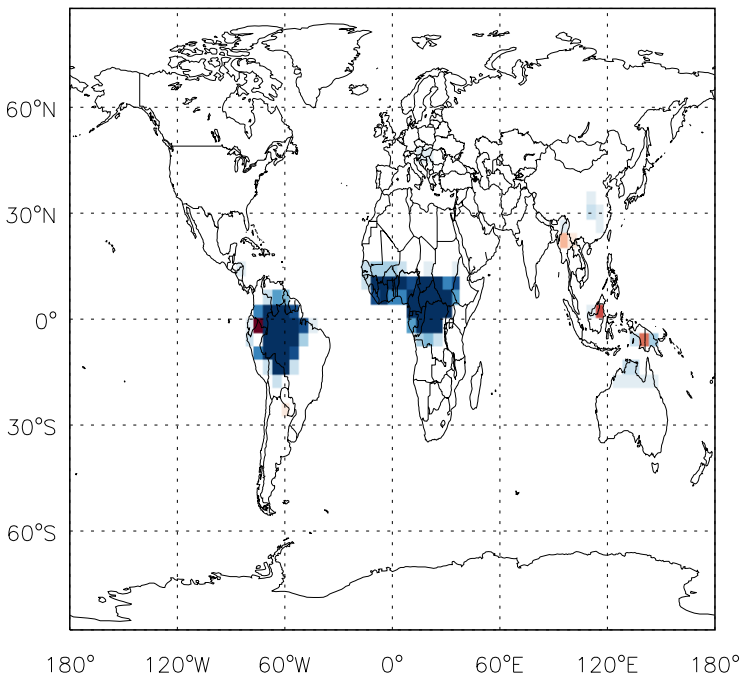
v11-01b-Run0 - v10-01-public-Run0  
ISOP - Diff @ Surface for Apr



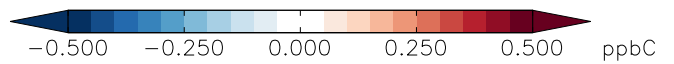
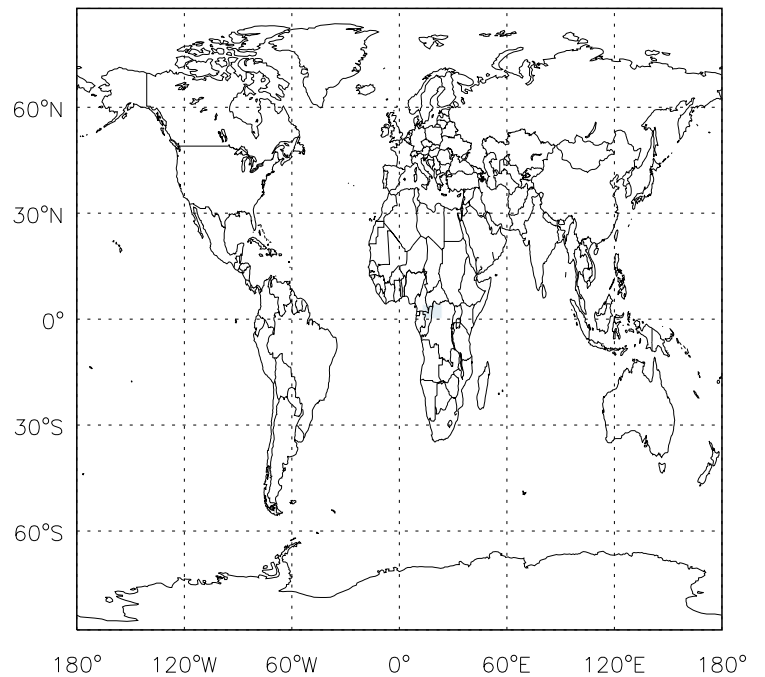
v11-01b-Run0 - v10-01-public-Run0  
ISOP - Diff @ 500 hPa for Apr



v11-01b-Run0 - v10-01i-geosfp-Run0  
ISOP - Diff @ Surface for Apr

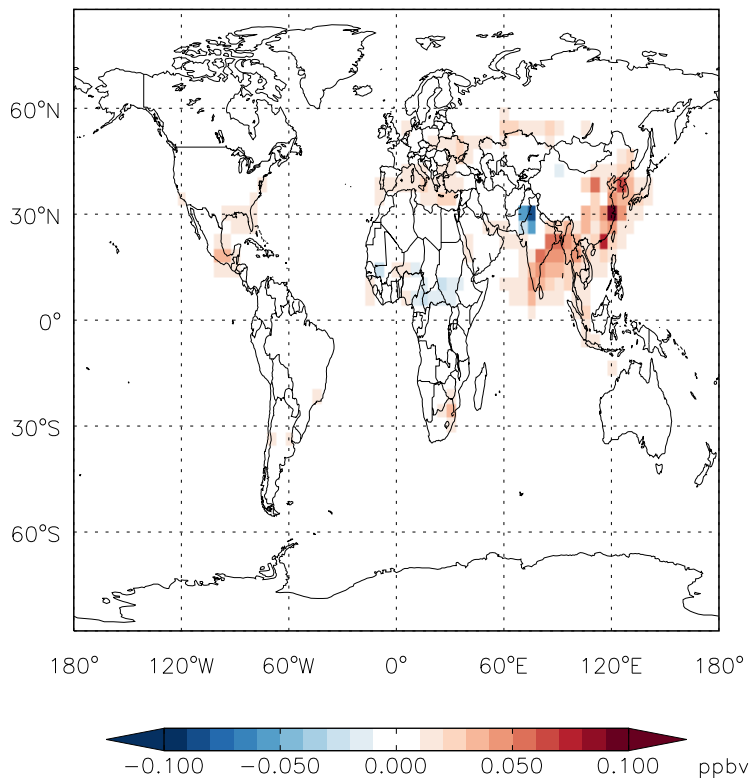


v11-01b-Run0 - v10-01i-geosfp-Run0  
ISOP - Diff @ 500 hPa for Apr

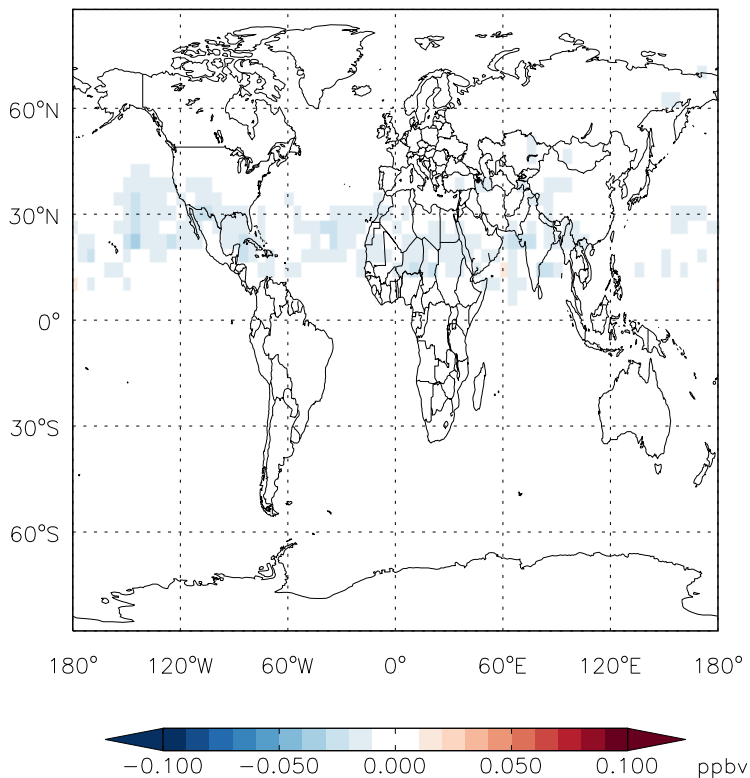


# GEOS-Chem Difference Maps at surface and 500 hPa

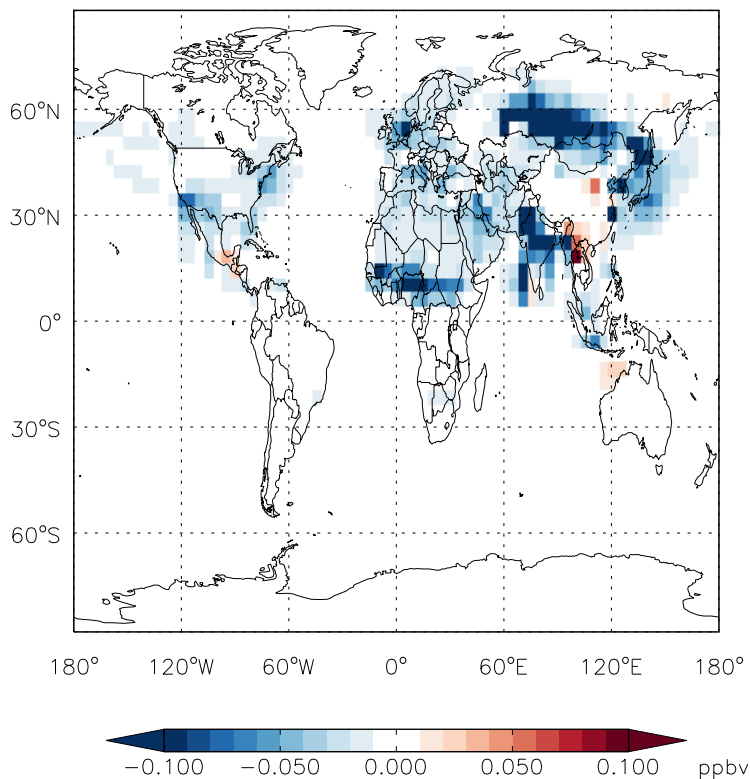
v11-01b-Run0 - v10-01-public-Run0  
HNO<sub>3</sub> - Diff @ Surface for Apr



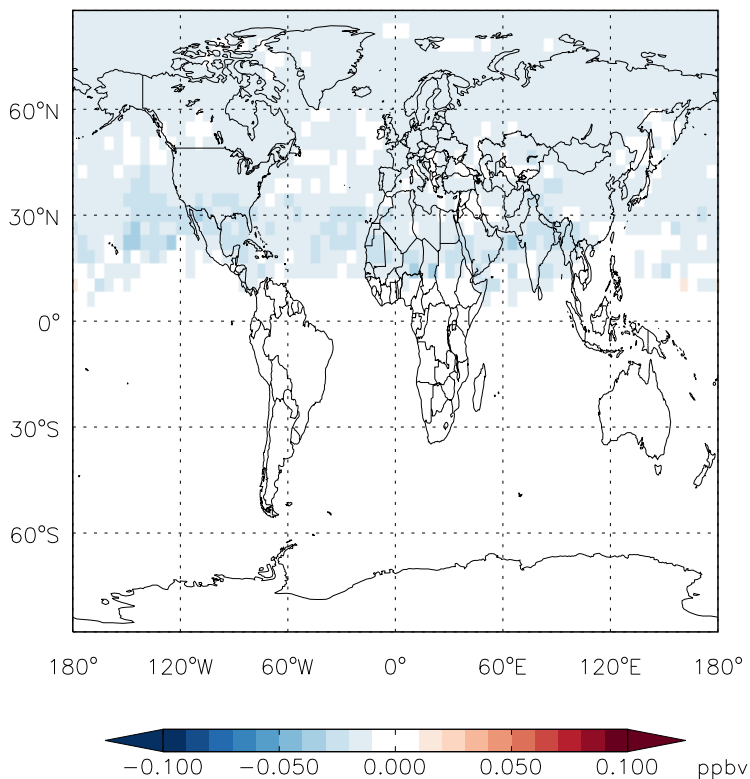
v11-01b-Run0 - v10-01-public-Run0  
HNO<sub>3</sub>- Diff @ 500 hPa for Apr



v11-01b-Run0 - v10-01i-geosfp-Run0  
HNO<sub>3</sub> - Diff @ Surface for Apr



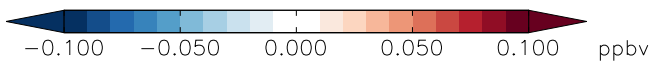
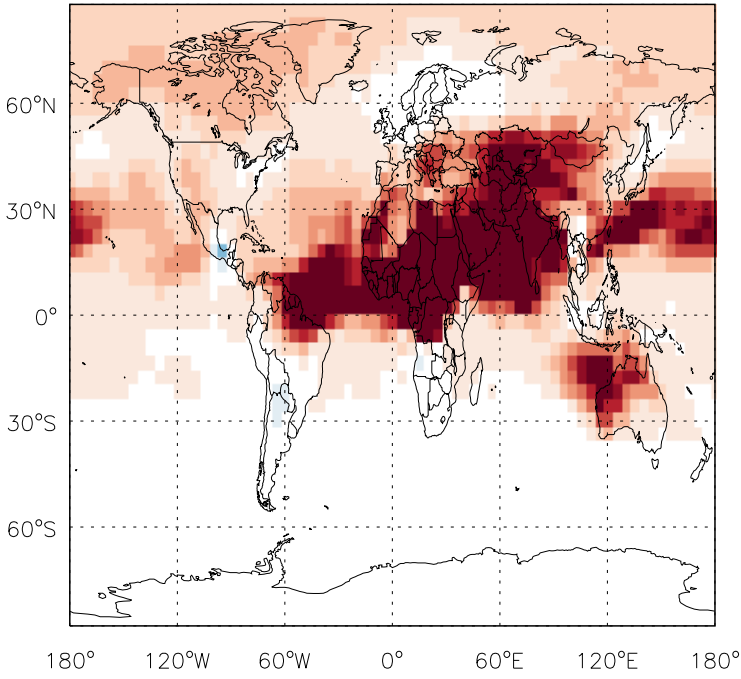
v11-01b-Run0 - v10-01i-geosfp-Run0  
HNO<sub>3</sub>- Diff @ 500 hPa for Apr



# GEOS-Chem Difference Maps at surface and 500 hPa

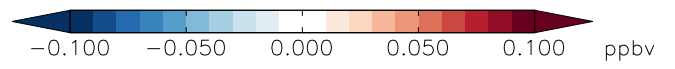
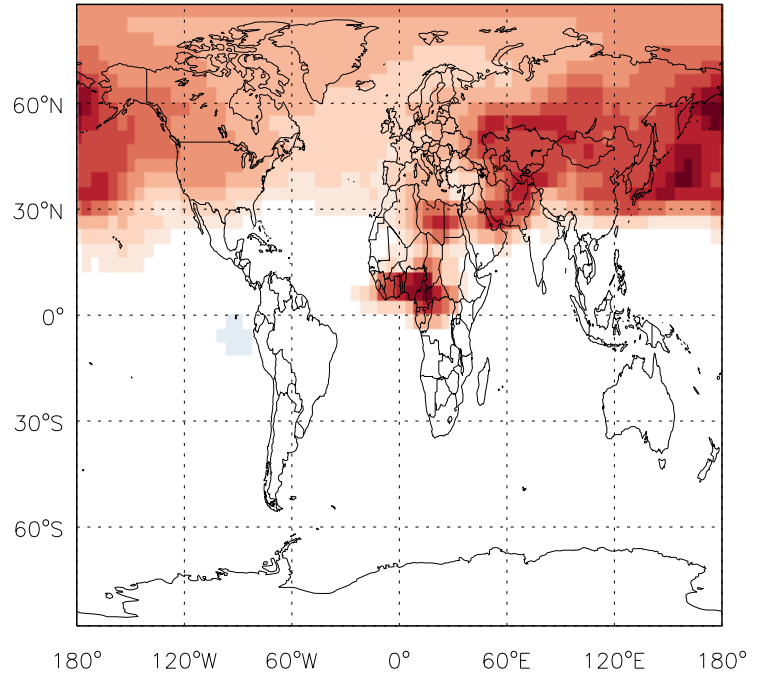
v11-01b-Run0 - v10-01-public-Run0

H2O2 - Diff @ Surface for Apr



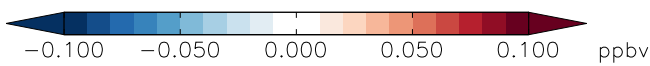
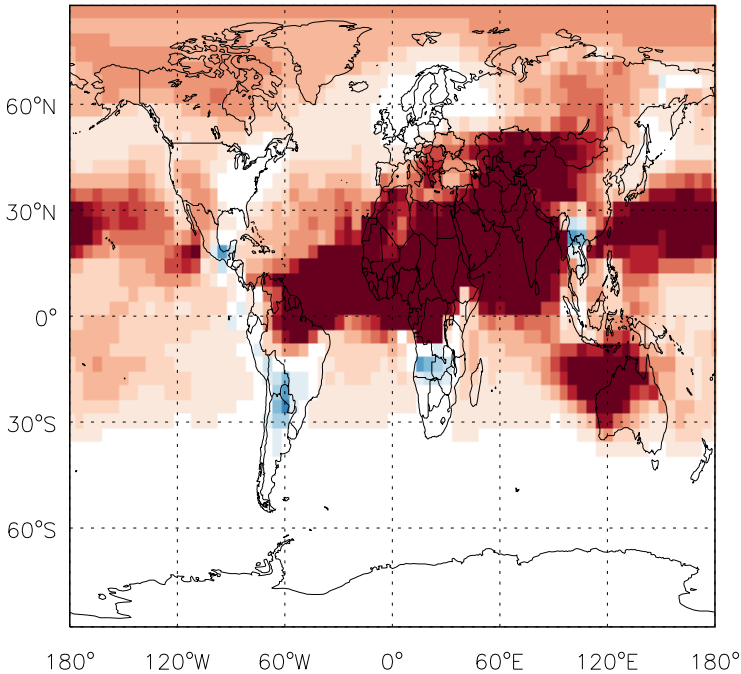
v11-01b-Run0 - v10-01-public-Run0

H2O2 - Diff @ 500 hPa for Apr



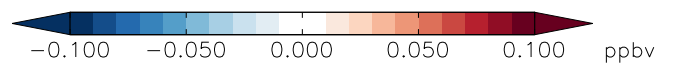
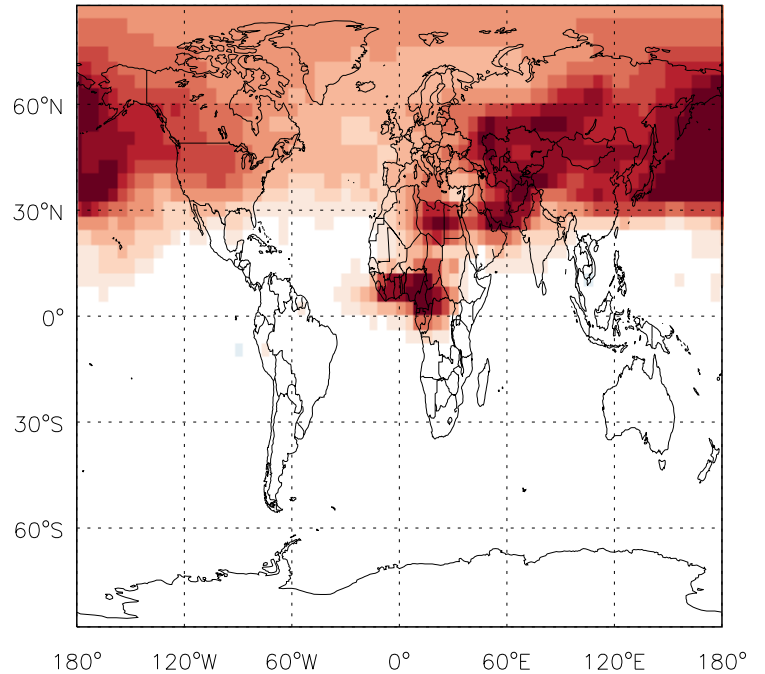
v11-01b-Run0 - v10-01i-geosfp-Run0

H2O2 - Diff @ Surface for Apr



v11-01b-Run0 - v10-01i-geosfp-Run0

H2O2 - Diff @ 500 hPa for Apr

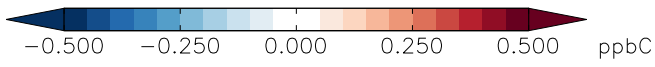
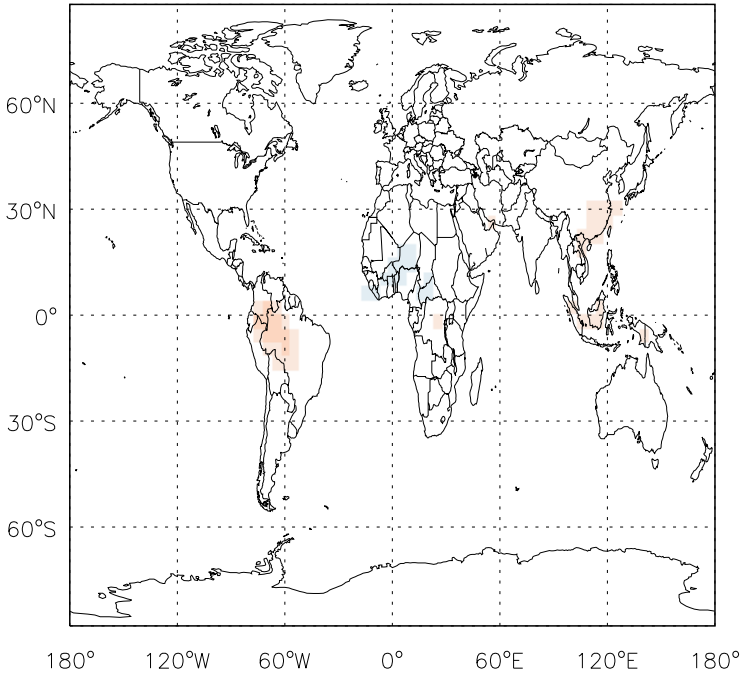




GEOS-Chem Difference Maps at surface and 500 hPa

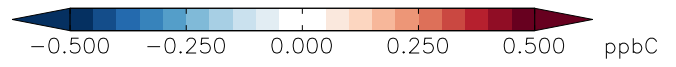
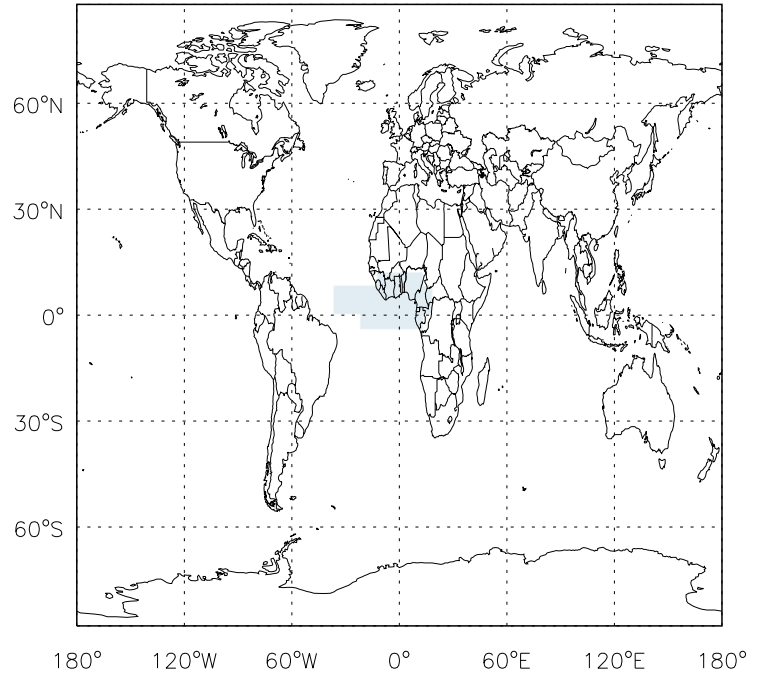
v11-01b-Run0 - v10-01-public-Run0

ACET - Diff @ Surface for Apr



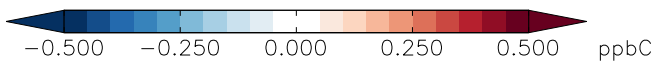
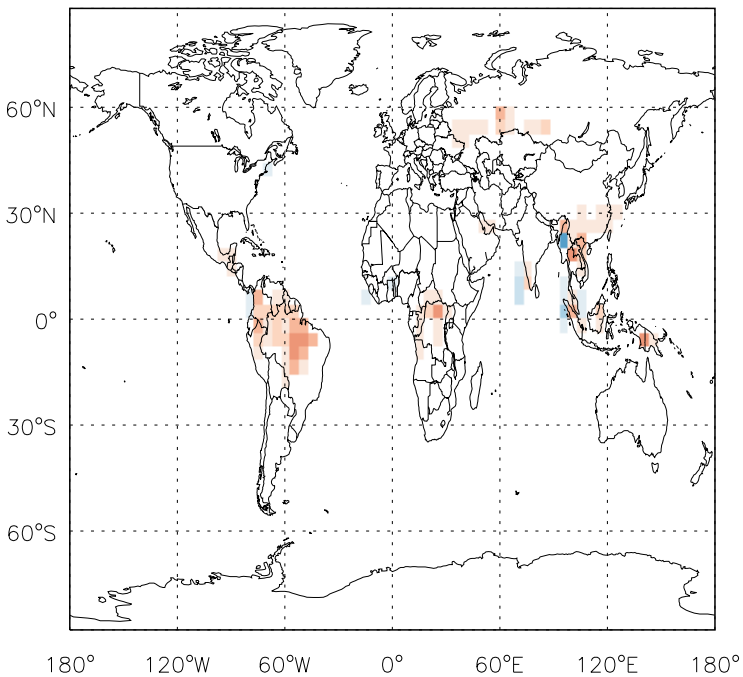
v11-01b-Run0 - v10-01-public-Run0

ACET- Diff @ 500 hPa for Apr



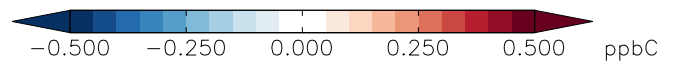
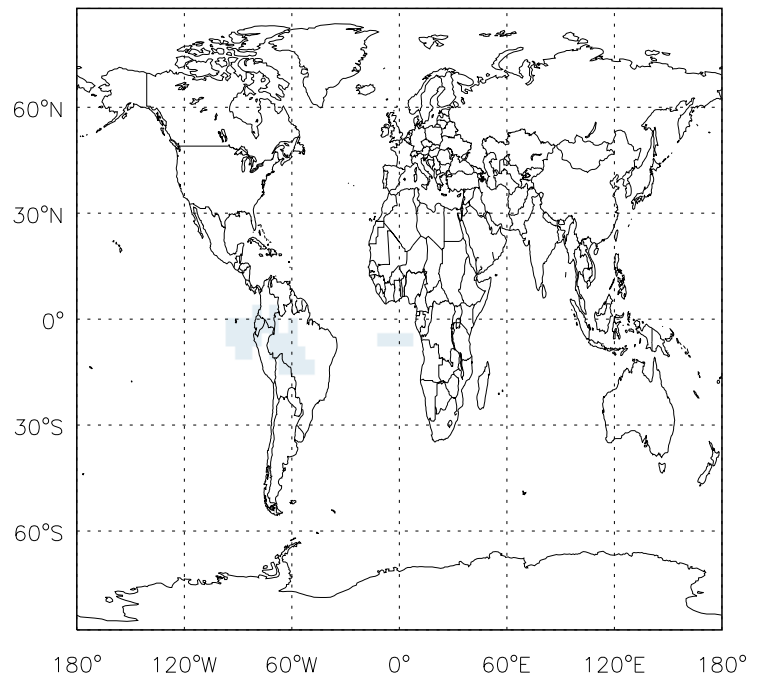
v11-01b-Run0 - v10-01i-geosfp-Run0

ACET - Diff @ Surface for Apr



v11-01b-Run0 - v10-01i-geosfp-Run0

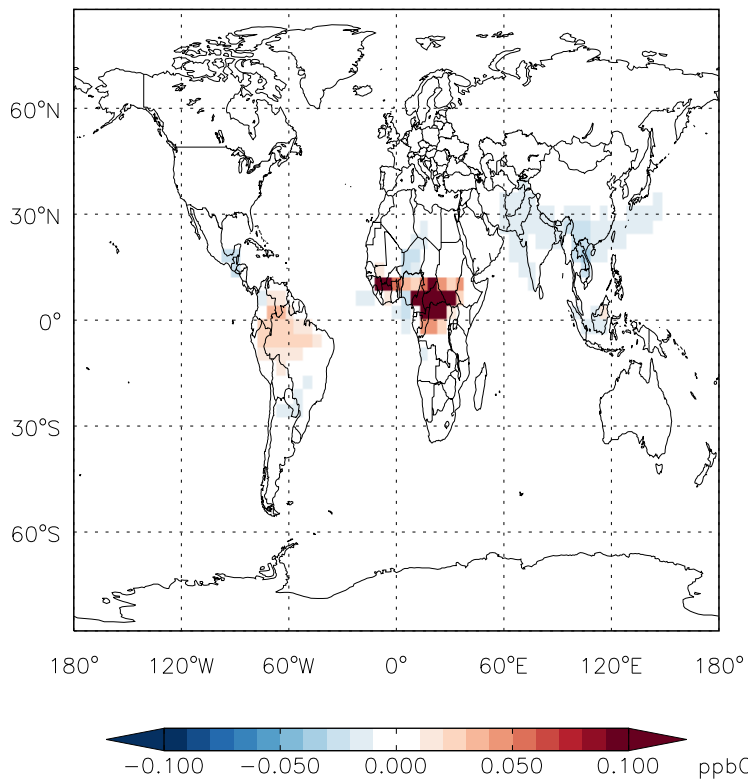
ACET- Diff @ 500 hPa for Apr



# GEOS-Chem Difference Maps at surface and 500 hPa

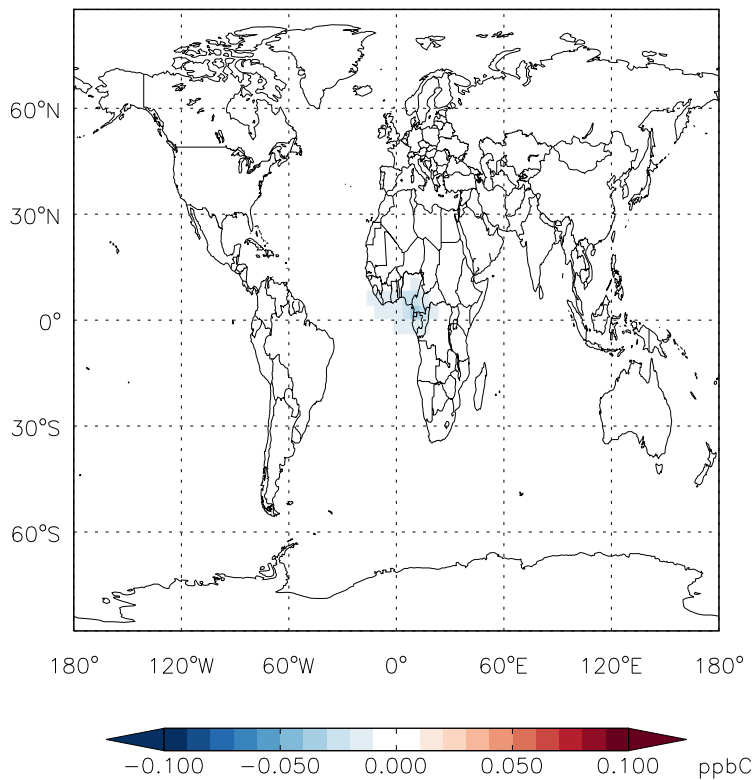
v11-01b-Run0 - v10-01-public-Run0

MEK - Diff @ Surface for Apr



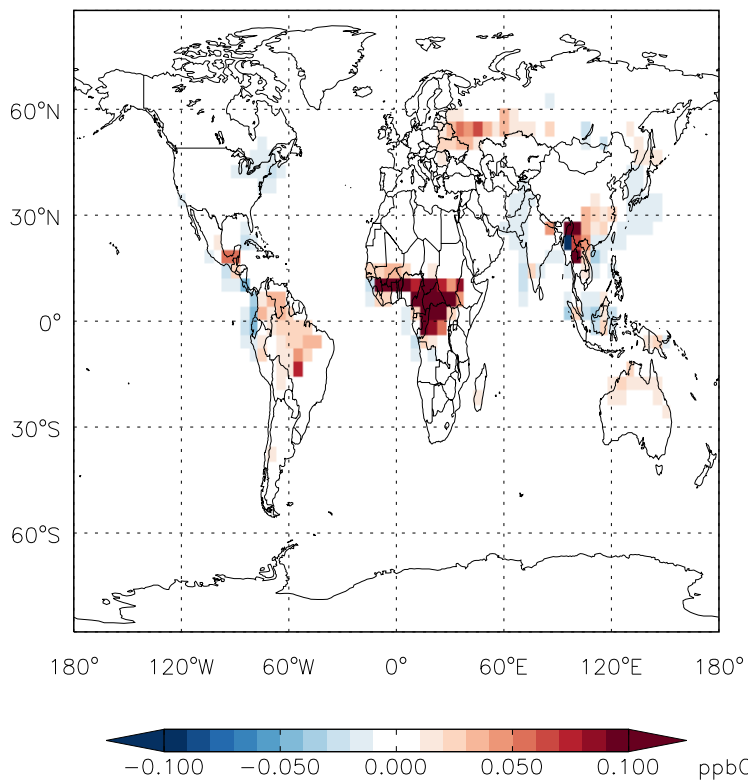
v11-01b-Run0 - v10-01-public-Run0

MEK - Diff @ 500 hPa for Apr



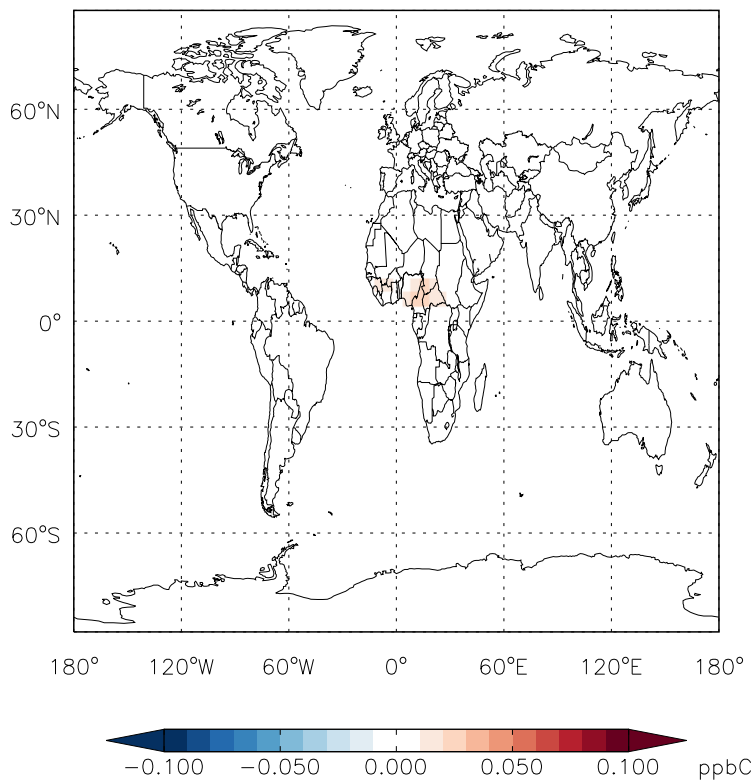
v11-01b-Run0 - v10-01i-geosfp-Run0

MEK - Diff @ Surface for Apr



v11-01b-Run0 - v10-01i-geosfp-Run0

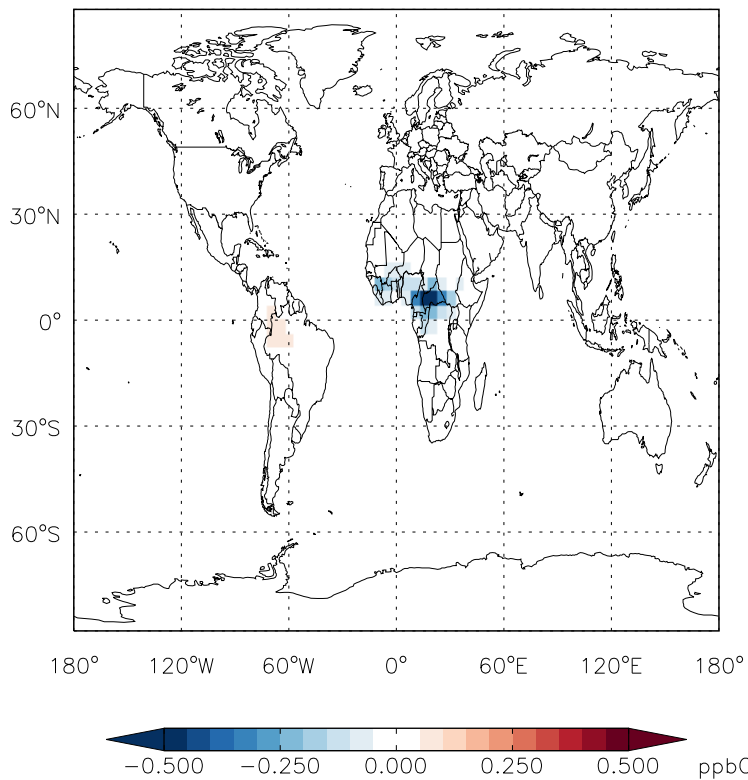
MEK - Diff @ 500 hPa for Apr



# GEOS-Chem Difference Maps at surface and 500 hPa

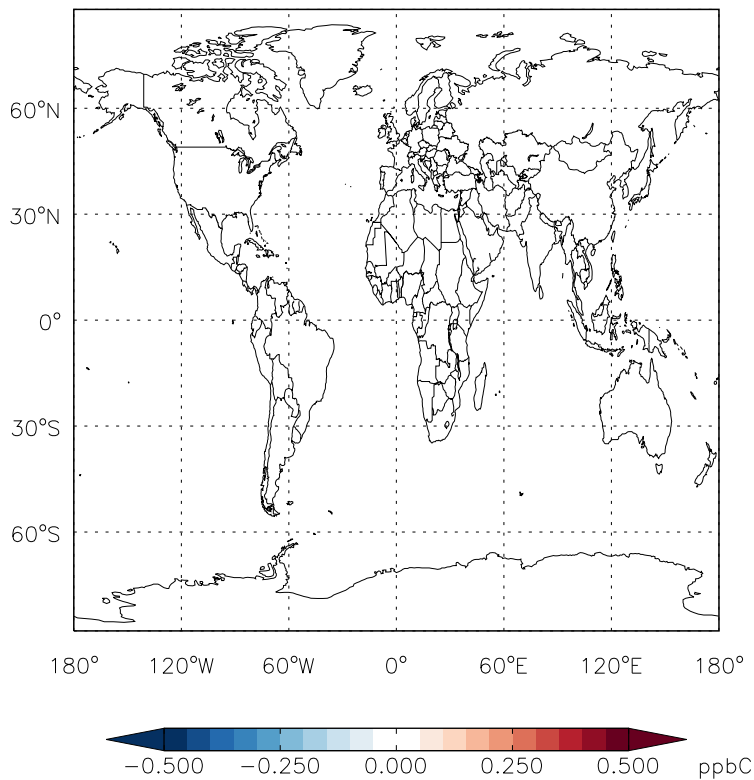
v11-01b-Run0 - v10-01-public-Run0

ALD2 - Diff @ Surface for Apr



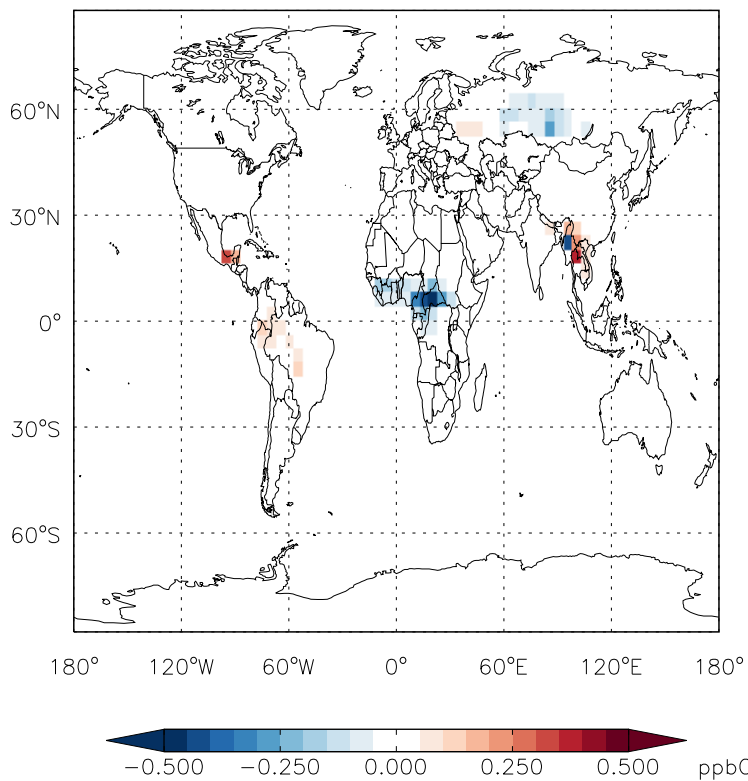
v11-01b-Run0 - v10-01-public-Run0

ALD2 - Diff @ 500 hPa for Apr



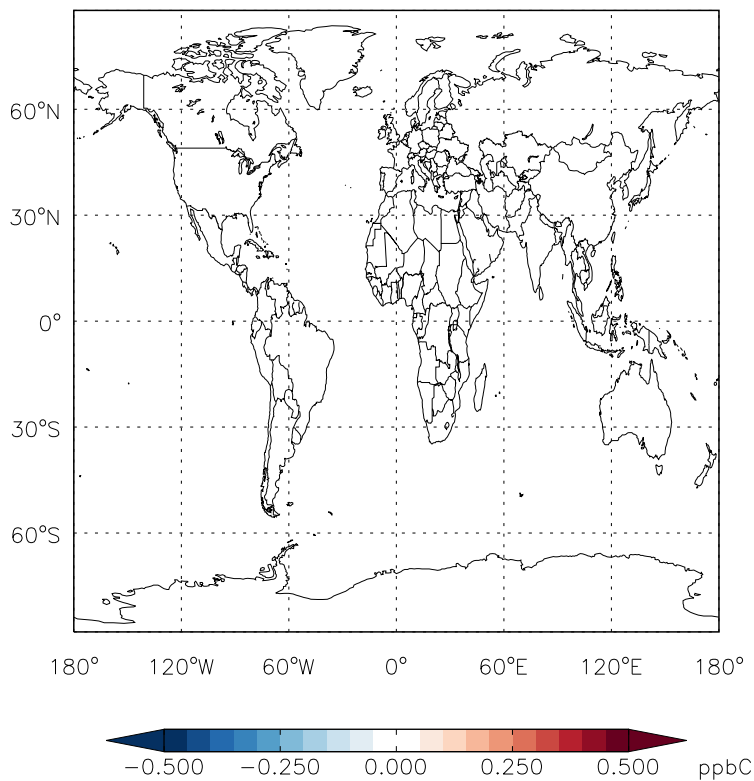
v11-01b-Run0 - v10-01i-geosfp-Run0

ALD2 - Diff @ Surface for Apr



v11-01b-Run0 - v10-01i-geosfp-Run0

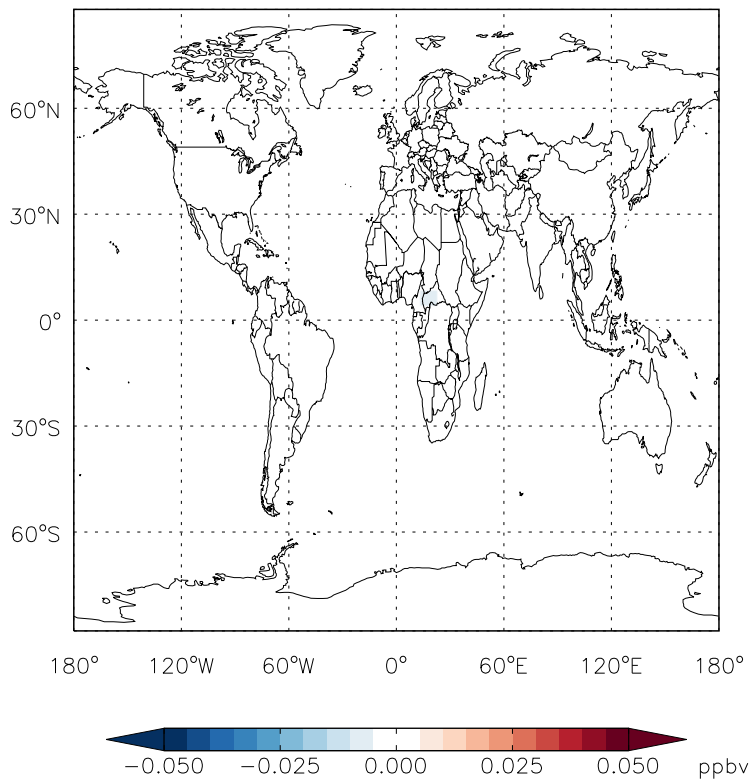
ALD2 - Diff @ 500 hPa for Apr



GEOS-Chem Difference Maps at surface and 500 hPa

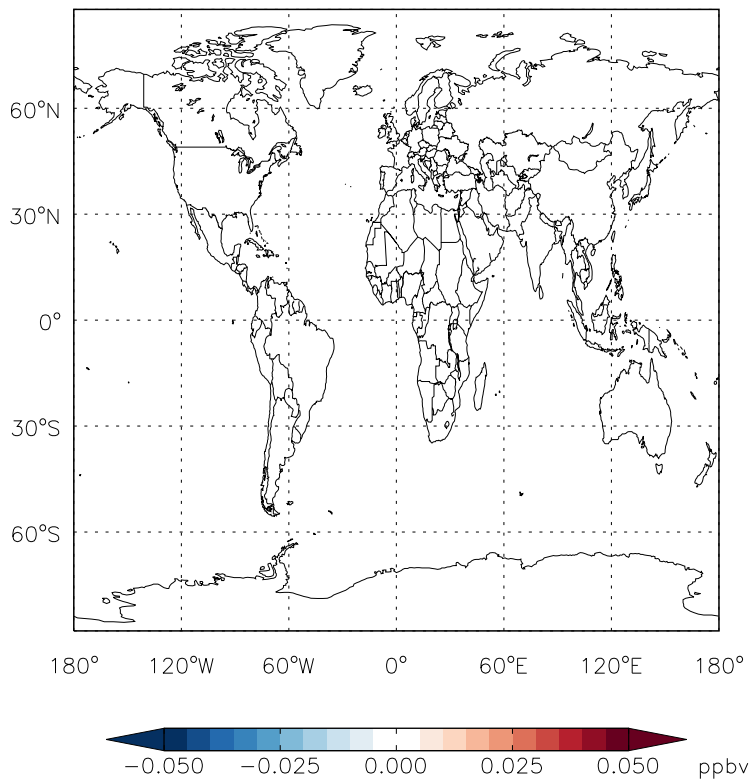
v11-01b-Run0 - v10-01-public-Run0

RCHO - Diff @ Surface for Apr



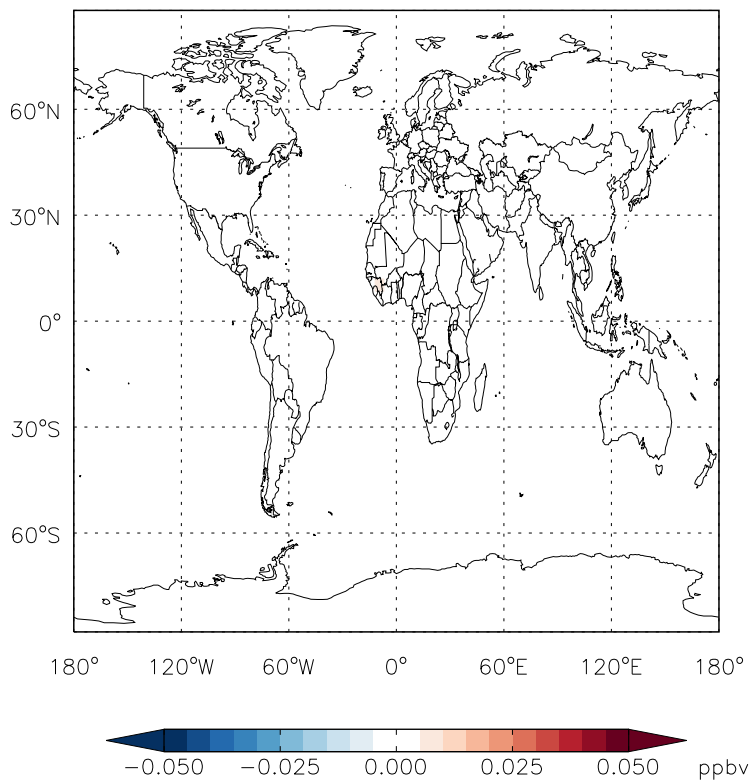
v11-01b-Run0 - v10-01-public-Run0

RCHO- Diff @ 500 hPa for Apr



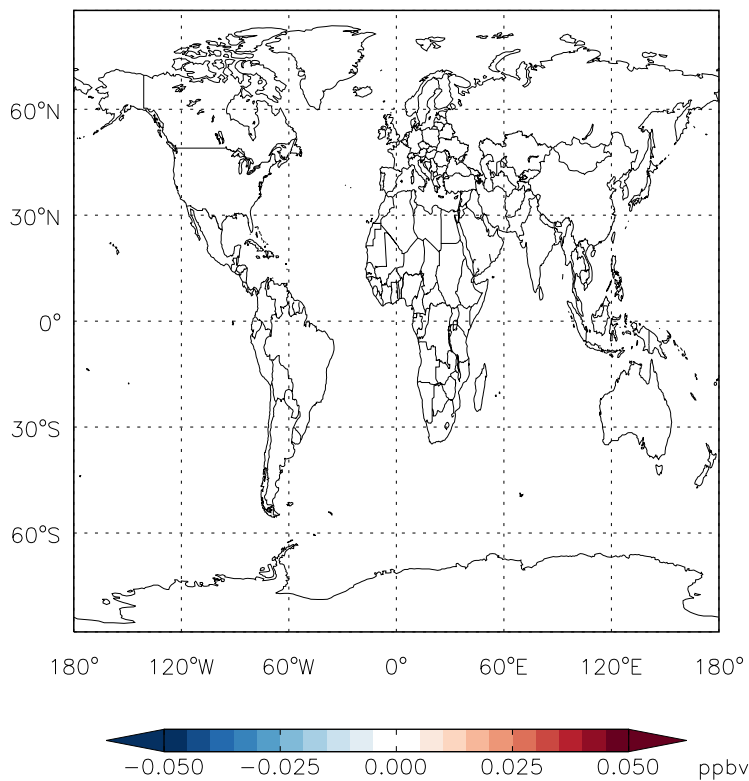
v11-01b-Run0 - v10-01i-geosfp-Run0

RCHO - Diff @ Surface for Apr



v11-01b-Run0 - v10-01i-geosfp-Run0

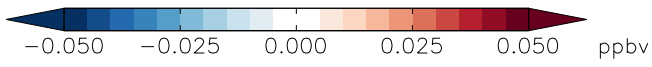
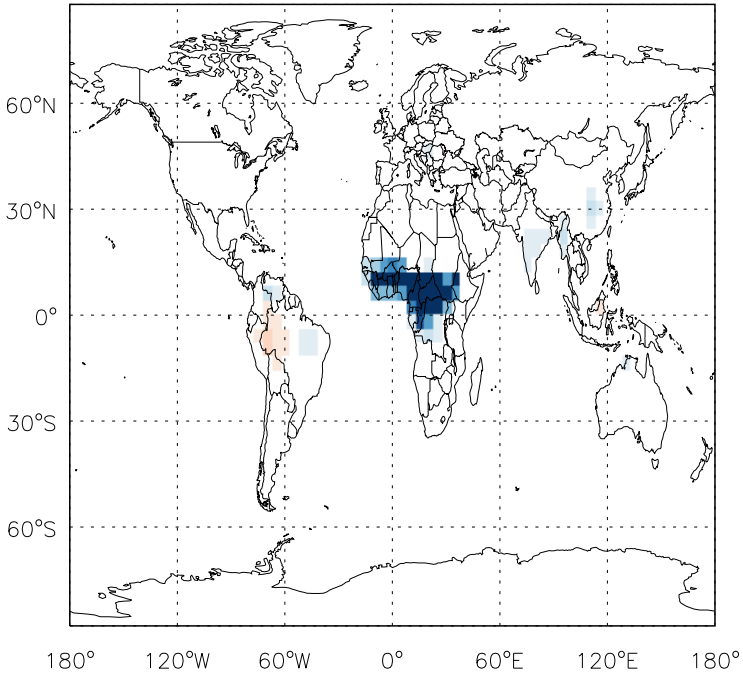
RCHO- Diff @ 500 hPa for Apr



# GEOS-Chem Difference Maps at surface and 500 hPa

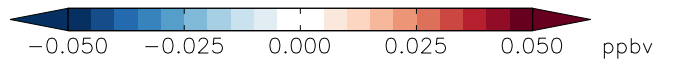
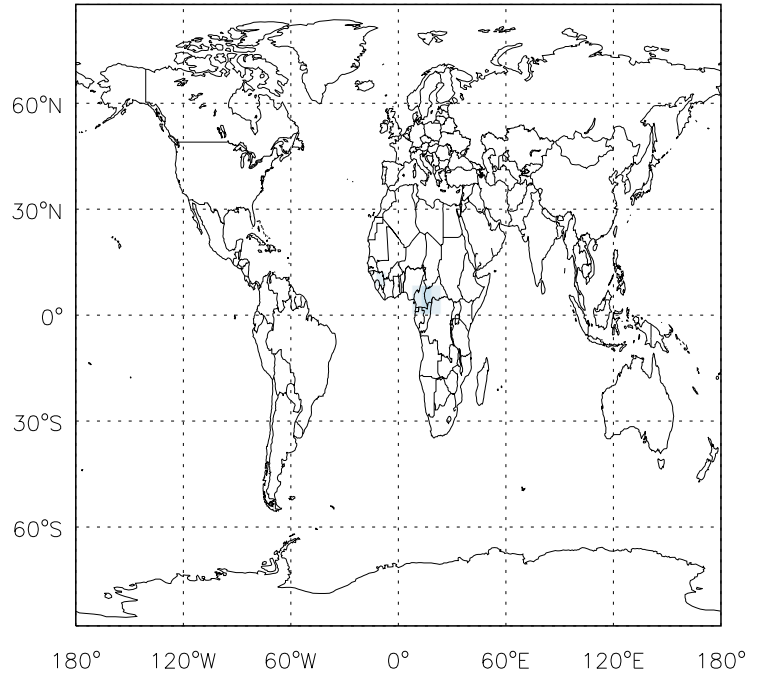
v11-01b-Run0 - v10-01-public-Run0

MVK - Diff @ Surface for Apr



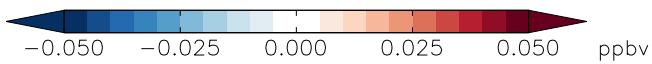
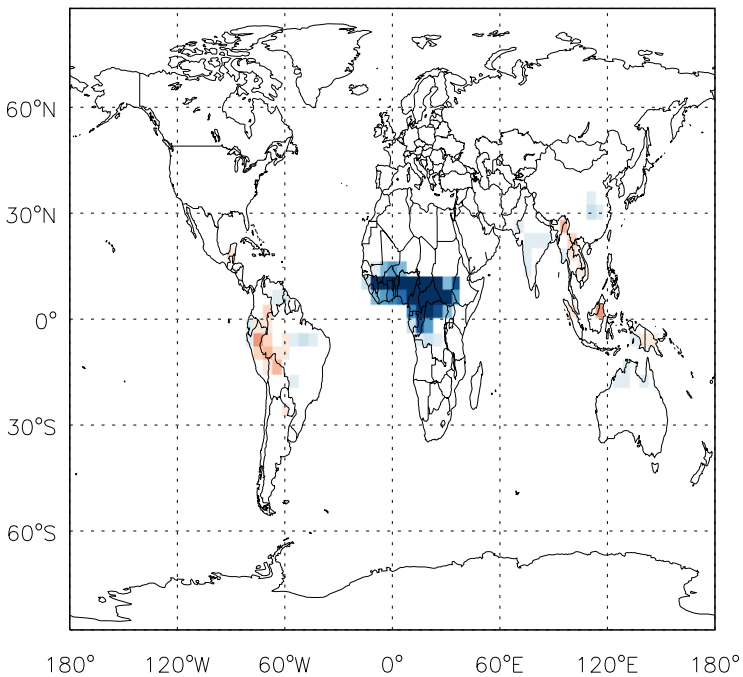
v11-01b-Run0 - v10-01-public-Run0

MVK - Diff @ 500 hPa for Apr



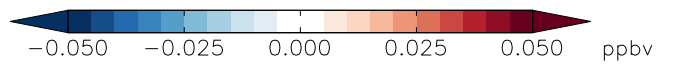
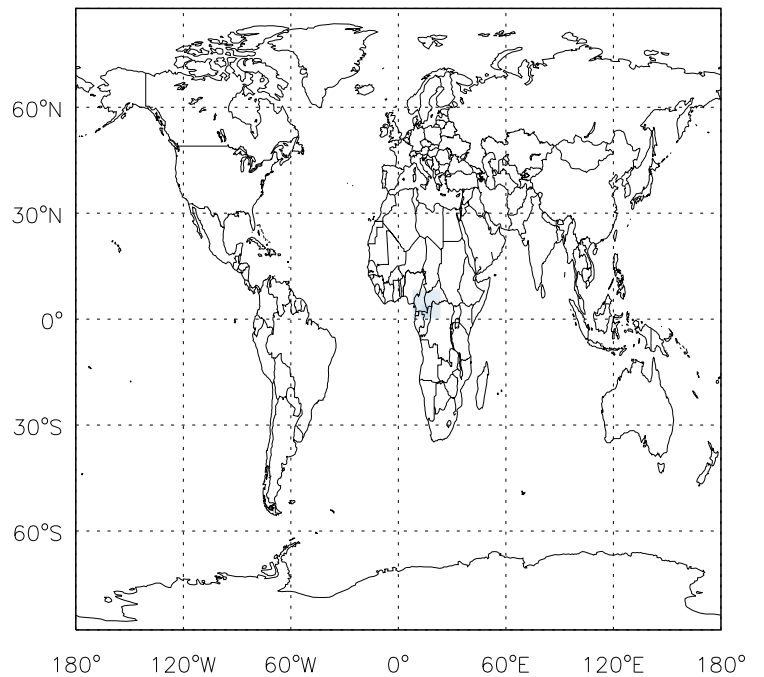
v11-01b-Run0 - v10-01i-geosfp-Run0

MVK - Diff @ Surface for Apr



v11-01b-Run0 - v10-01i-geosfp-Run0

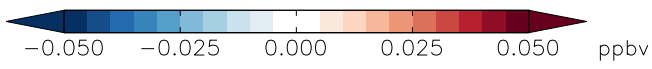
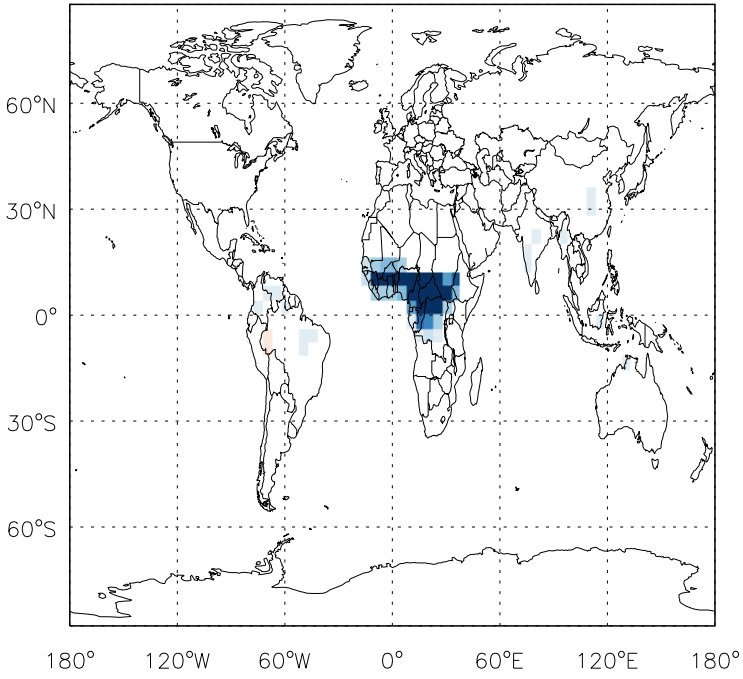
MVK - Diff @ 500 hPa for Apr



# GEOS-Chem Difference Maps at surface and 500 hPa

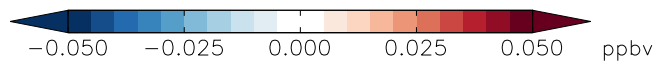
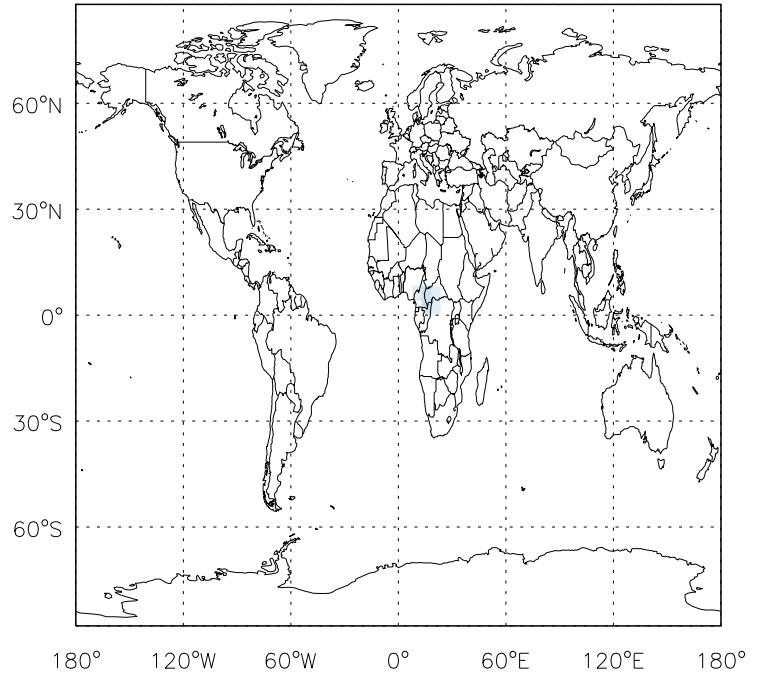
v11-01b-Run0 - v10-01-public-Run0

MACR - Diff @ Surface for Apr



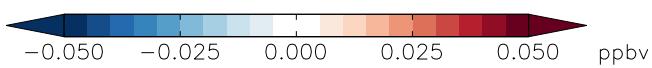
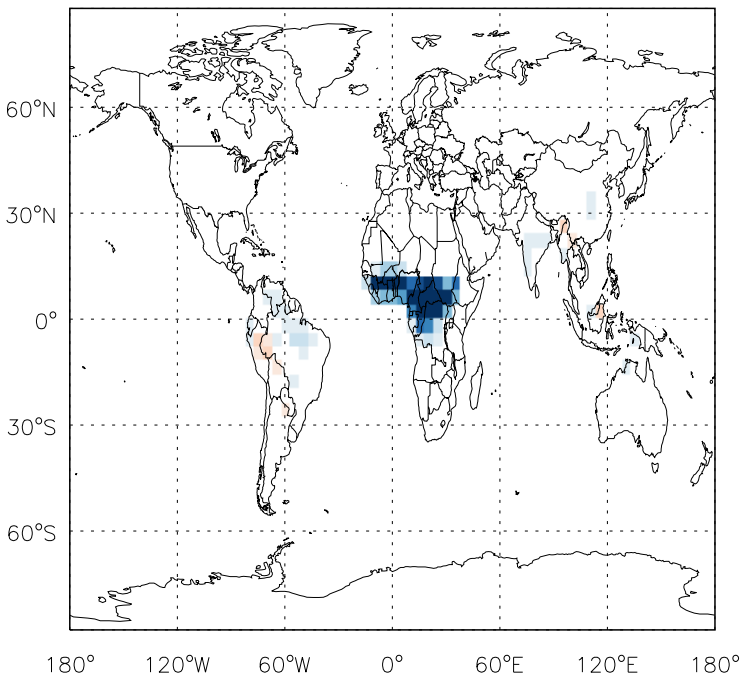
v11-01b-Run0 - v10-01-public-Run0

MACR - Diff @ 500 hPa for Apr



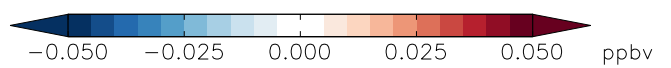
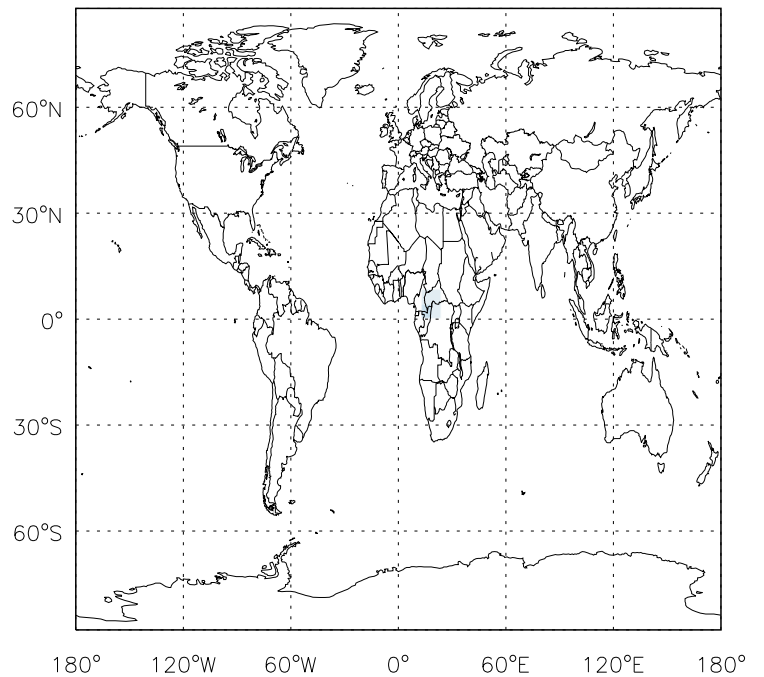
v11-01b-Run0 - v10-01i-geosfp-Run0

MACR - Diff @ Surface for Apr



v11-01b-Run0 - v10-01i-geosfp-Run0

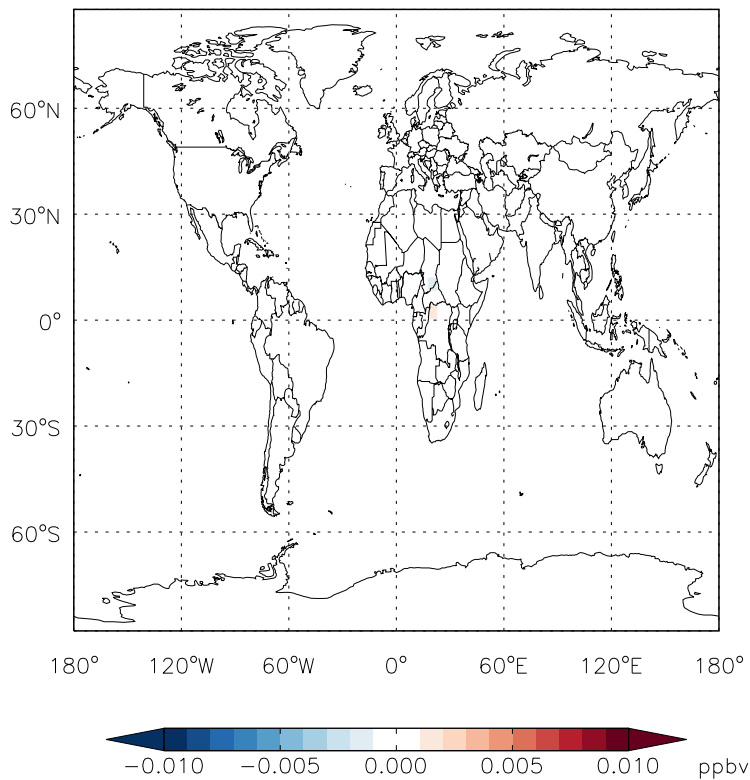
MACR - Diff @ 500 hPa for Apr



GEOS-Chem Difference Maps at surface and 500 hPa

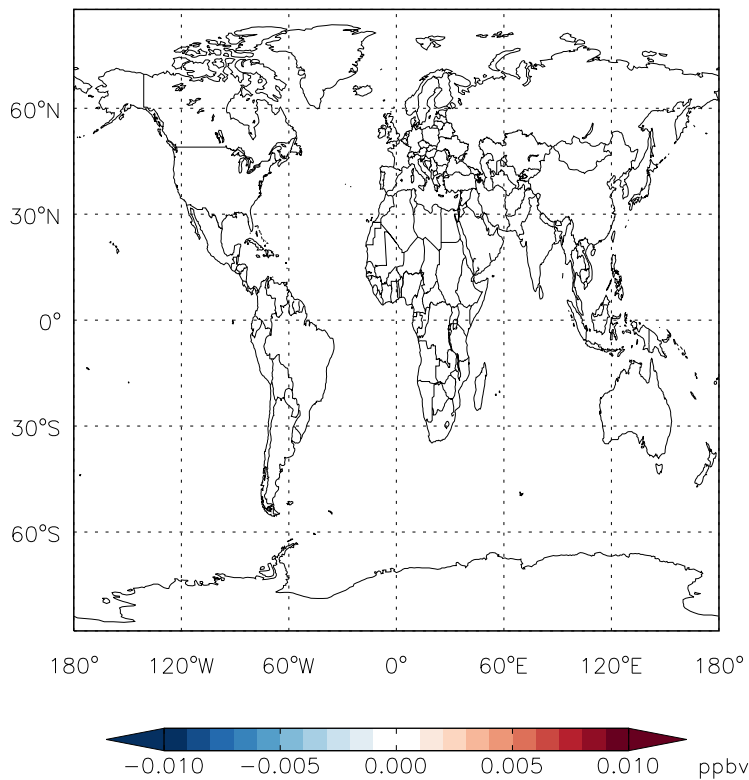
v11-01b-Run0 - v10-01-public-Run0

PMN - Diff @ Surface for Apr



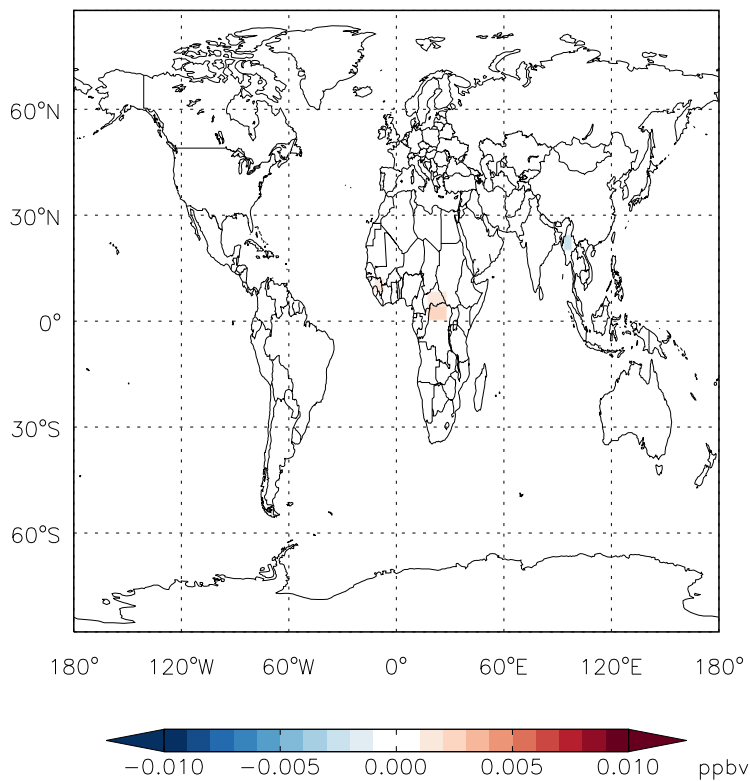
v11-01b-Run0 - v10-01-public-Run0

PMN- Diff @ 500 hPa for Apr



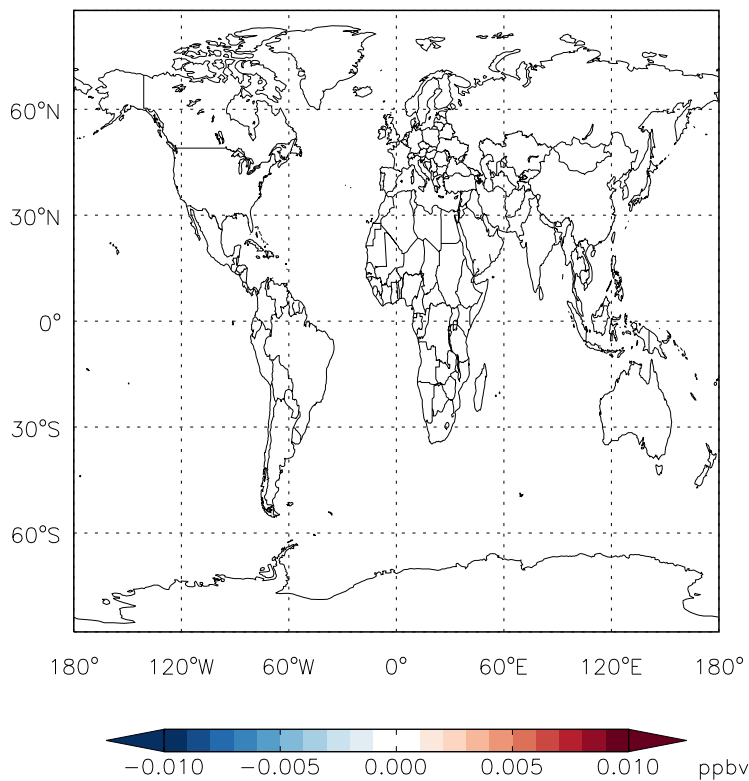
v11-01b-Run0 - v10-01i-geosfp-Run0

PMN - Diff @ Surface for Apr



v11-01b-Run0 - v10-01i-geosfp-Run0

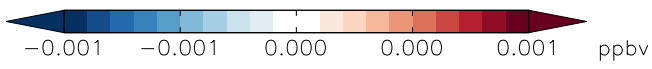
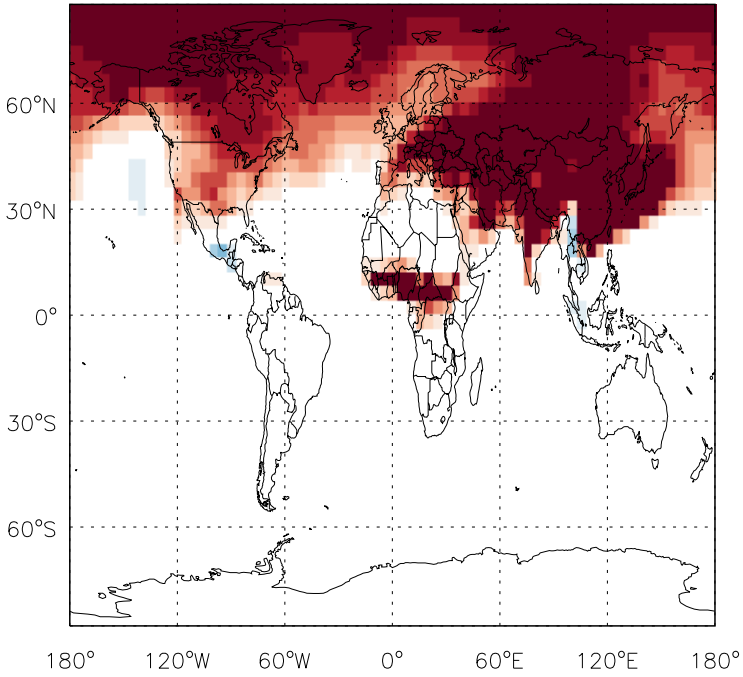
PMN- Diff @ 500 hPa for Apr



# GEOS-Chem Difference Maps at surface and 500 hPa

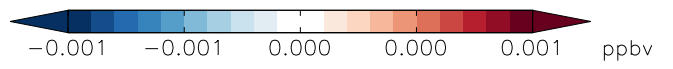
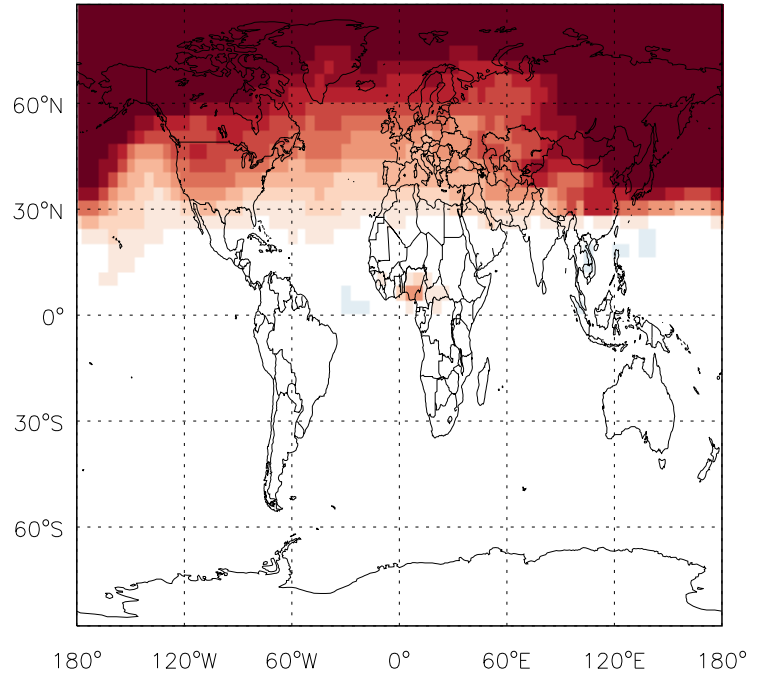
v11-01b-Run0 - v10-01-public-Run0

PPN - Diff @ Surface for Apr



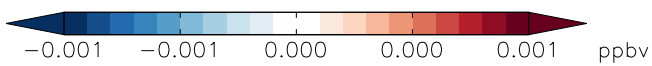
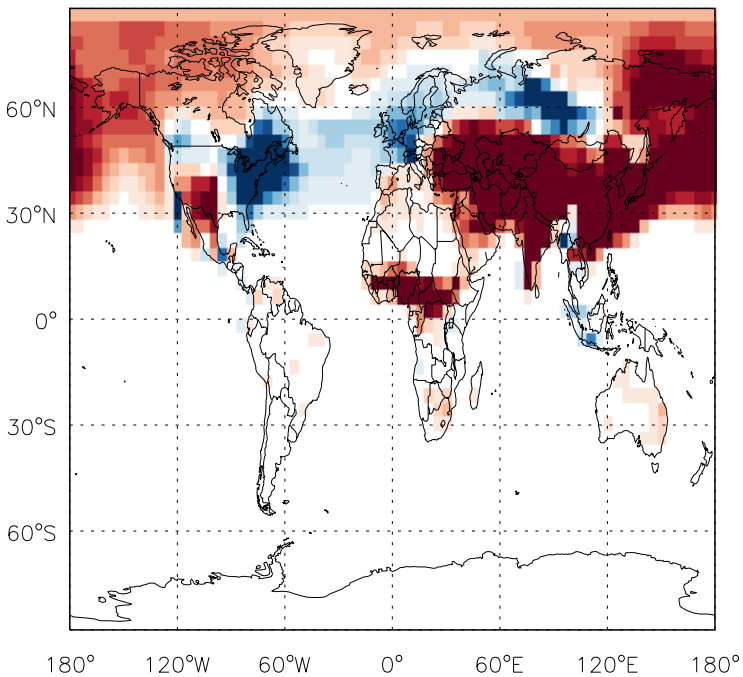
v11-01b-Run0 - v10-01-public-Run0

PPN- Diff @ 500 hPa for Apr



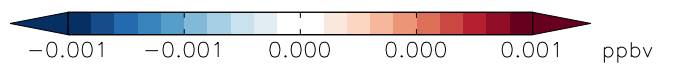
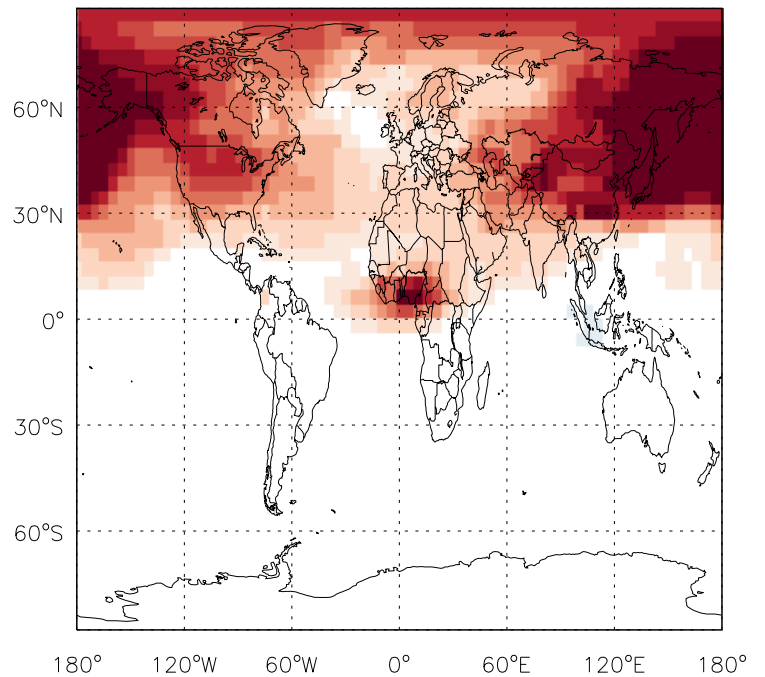
v11-01b-Run0 - v10-01i-geosfp-Run0

PPN - Diff @ Surface for Apr



v11-01b-Run0 - v10-01i-geosfp-Run0

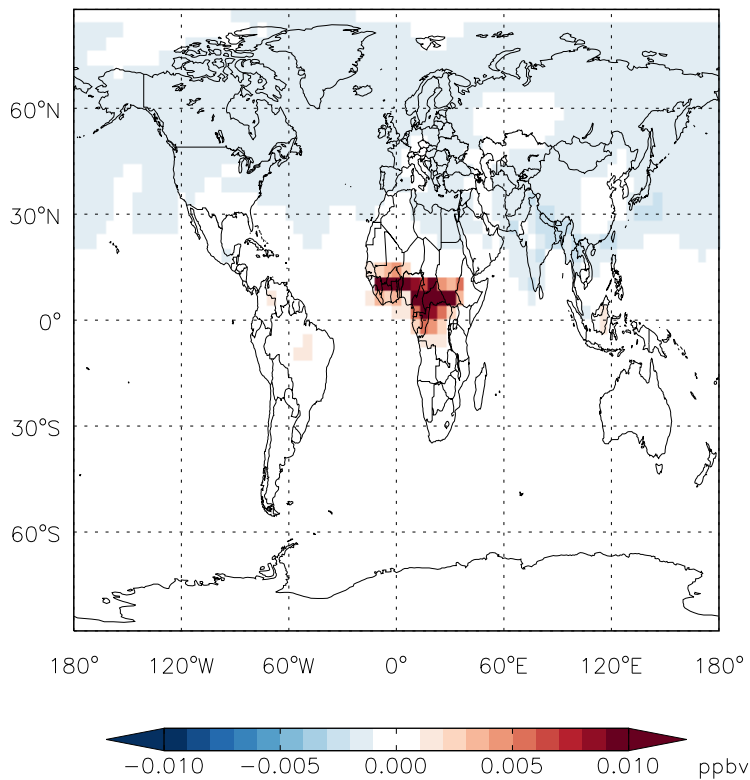
PPN- Diff @ 500 hPa for Apr



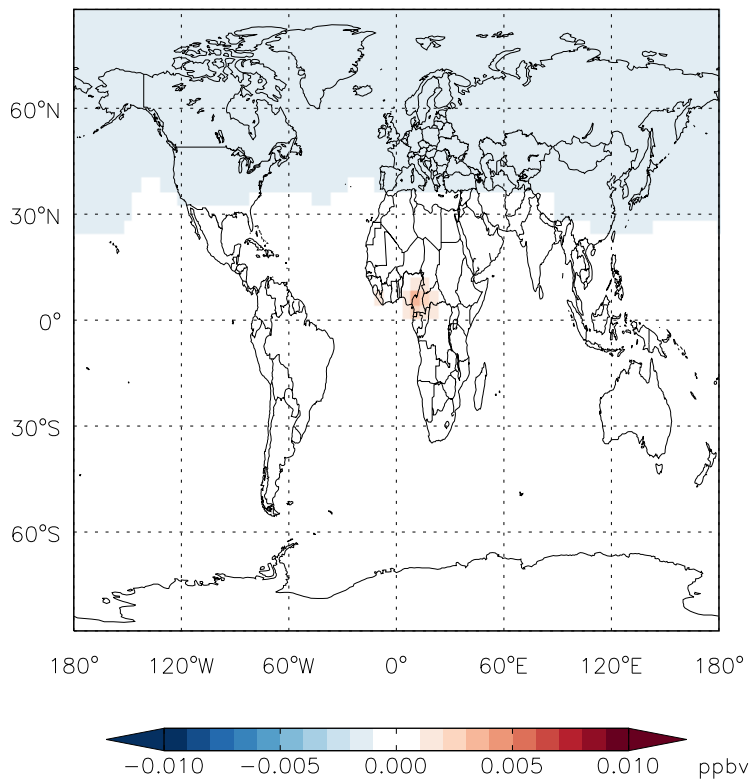


# GEOS-Chem Difference Maps at surface and 500 hPa

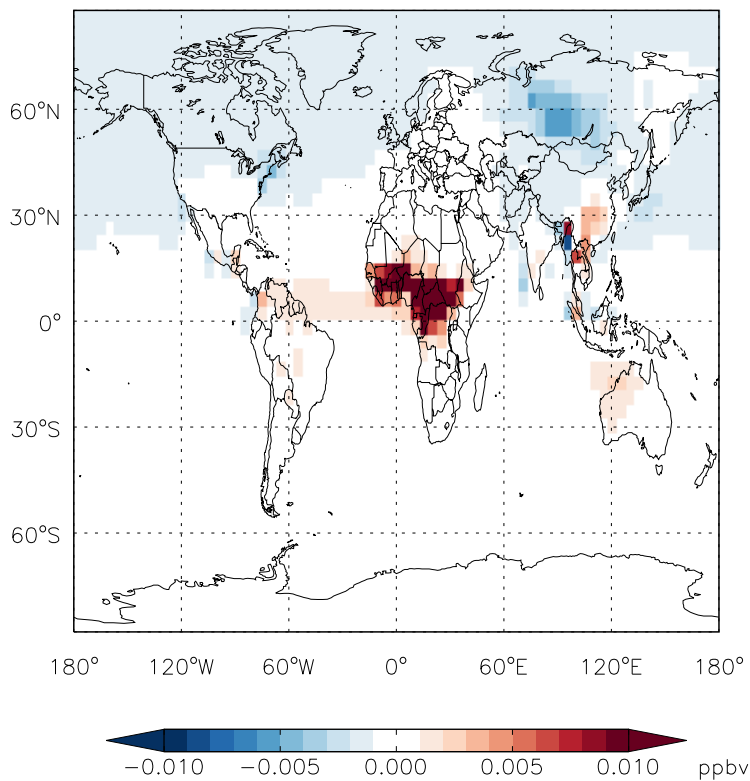
v11-01b-Run0 - v10-01-public-Run0  
R4N2 - Diff @ Surface for Apr



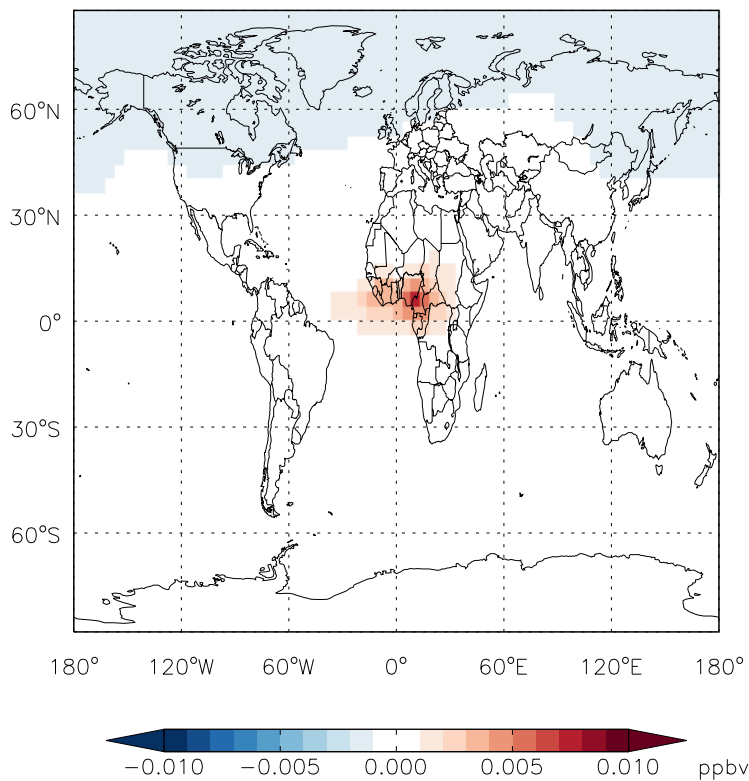
v11-01b-Run0 - v10-01-public-Run0  
R4N2- Diff @ 500 hPa for Apr



v11-01b-Run0 - v10-01i-geosfp-Run0  
R4N2 - Diff @ Surface for Apr



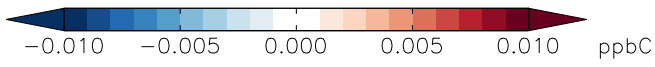
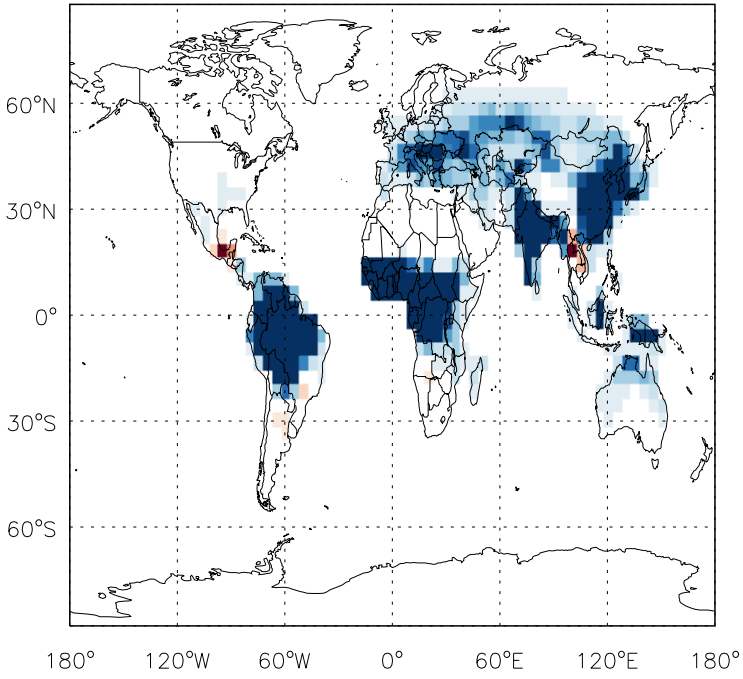
v11-01b-Run0 - v10-01i-geosfp-Run0  
R4N2- Diff @ 500 hPa for Apr



# GEOS-Chem Difference Maps at surface and 500 hPa

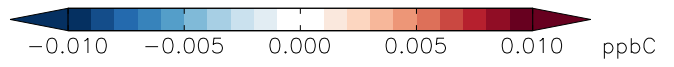
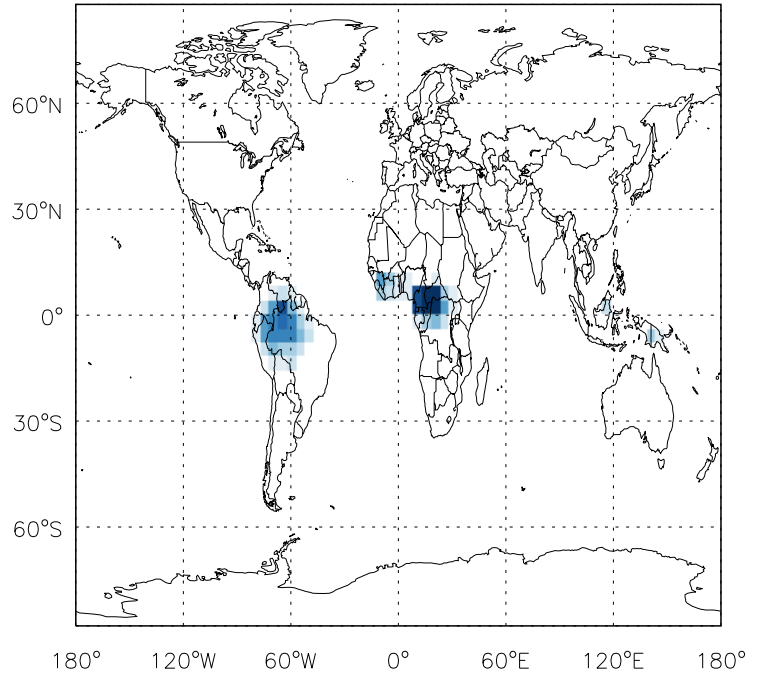
v11-01b-Run0 - v10-01-public-Run0

PRPE - Diff @ Surface for Apr



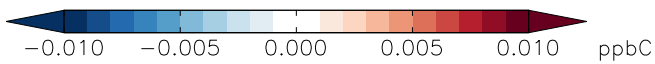
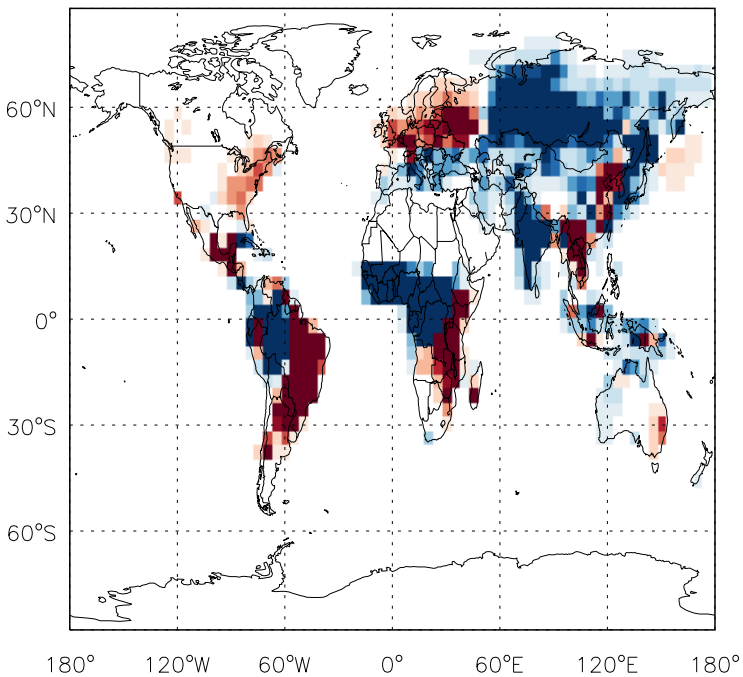
v11-01b-Run0 - v10-01-public-Run0

PRPE - Diff @ 500 hPa for Apr



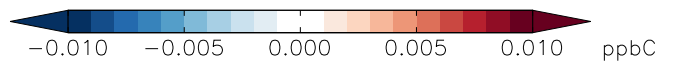
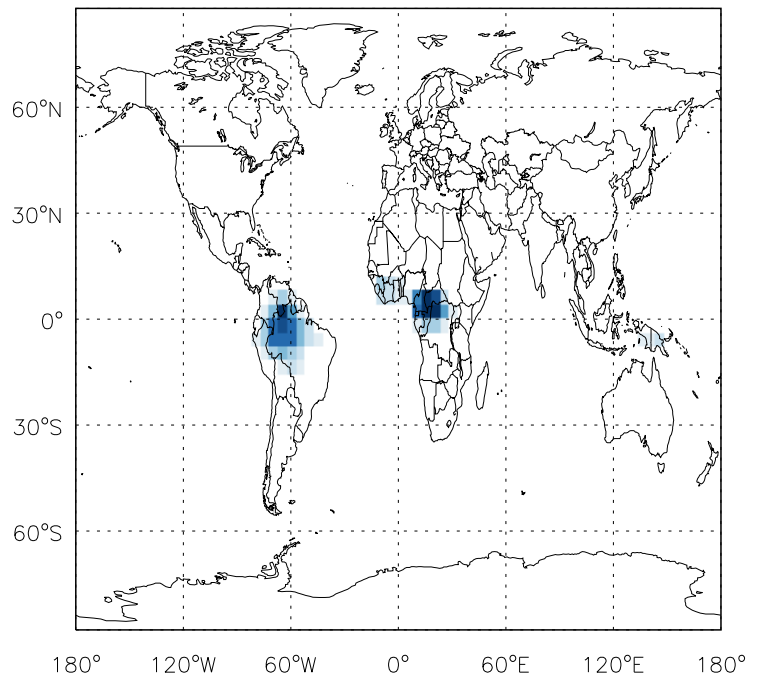
v11-01b-Run0 - v10-01i-geosfp-Run0

PRPE - Diff @ Surface for Apr



v11-01b-Run0 - v10-01i-geosfp-Run0

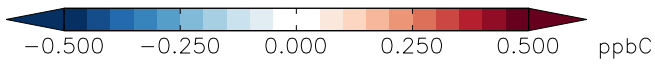
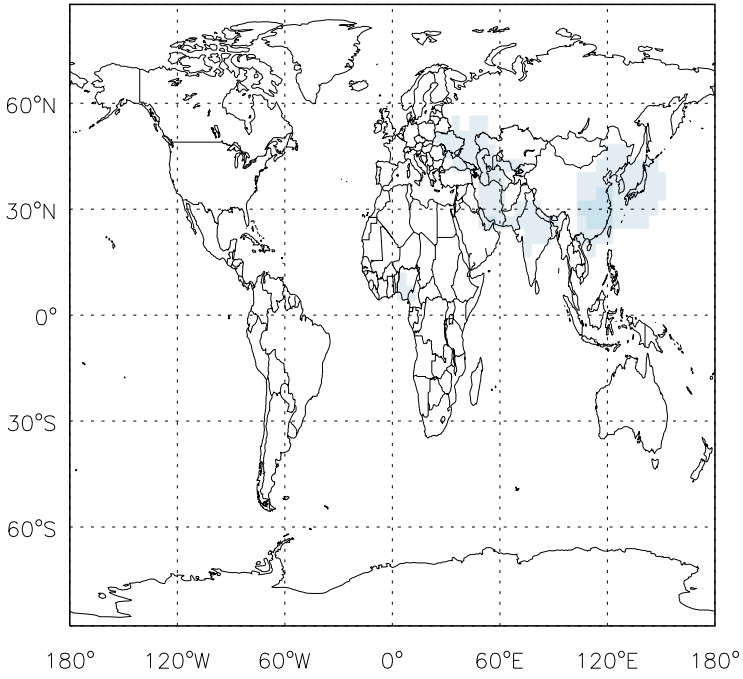
PRPE - Diff @ 500 hPa for Apr



# GEOS-Chem Difference Maps at surface and 500 hPa

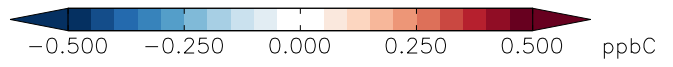
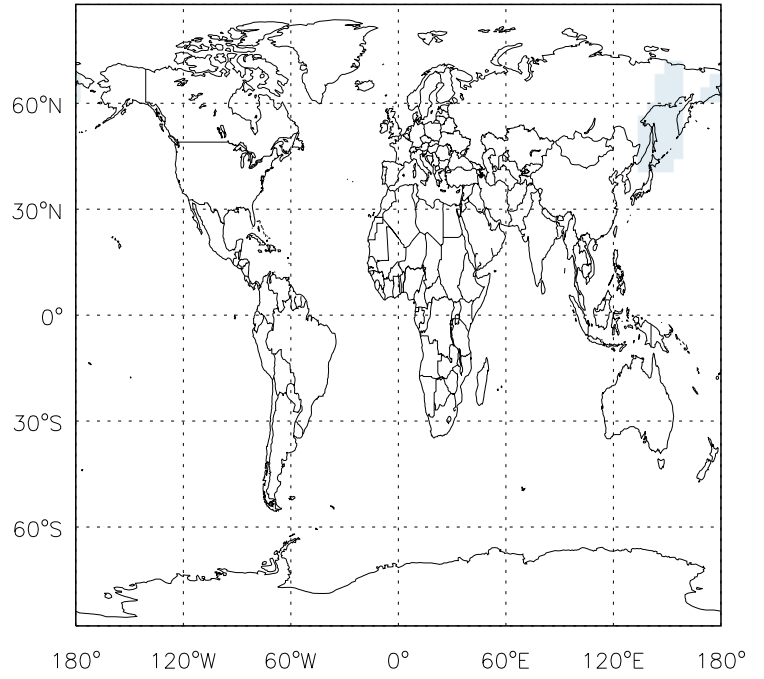
v11-01b-Run0 - v10-01-public-Run0

C3H8 - Diff @ Surface for Apr



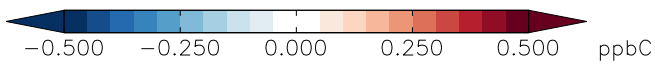
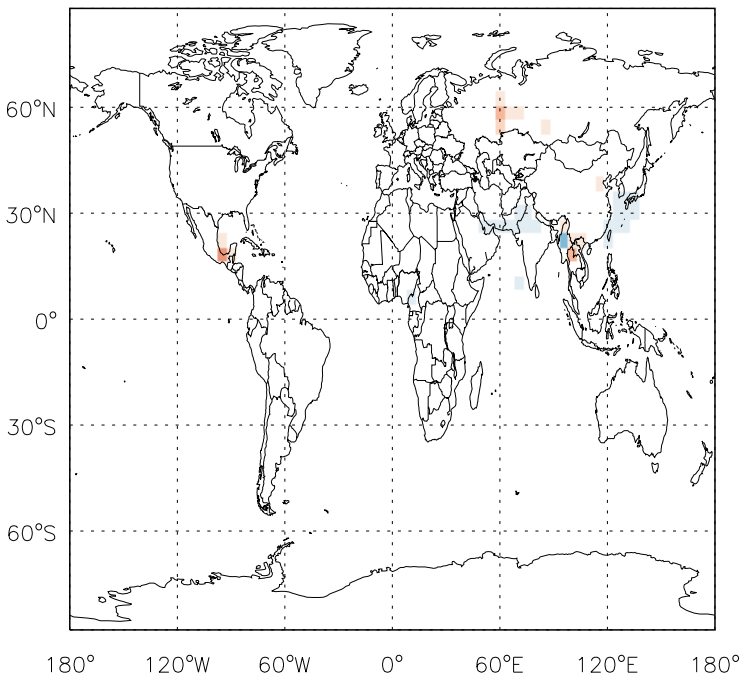
v11-01b-Run0 - v10-01-public-Run0

C3H8- Diff @ 500 hPa for Apr



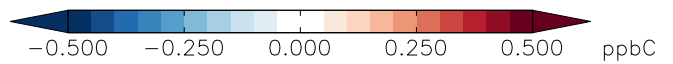
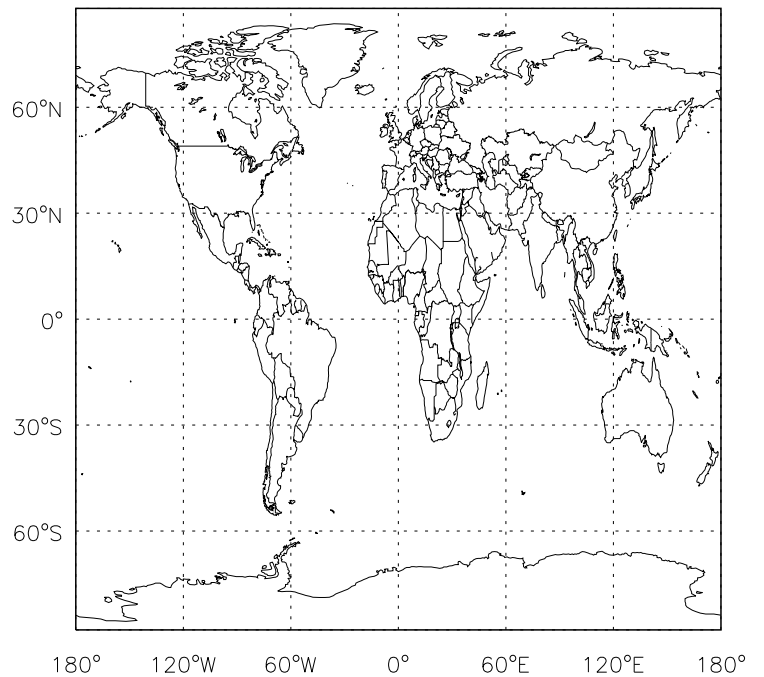
v11-01b-Run0 - v10-01i-geosfp-Run0

C3H8 - Diff @ Surface for Apr



v11-01b-Run0 - v10-01i-geosfp-Run0

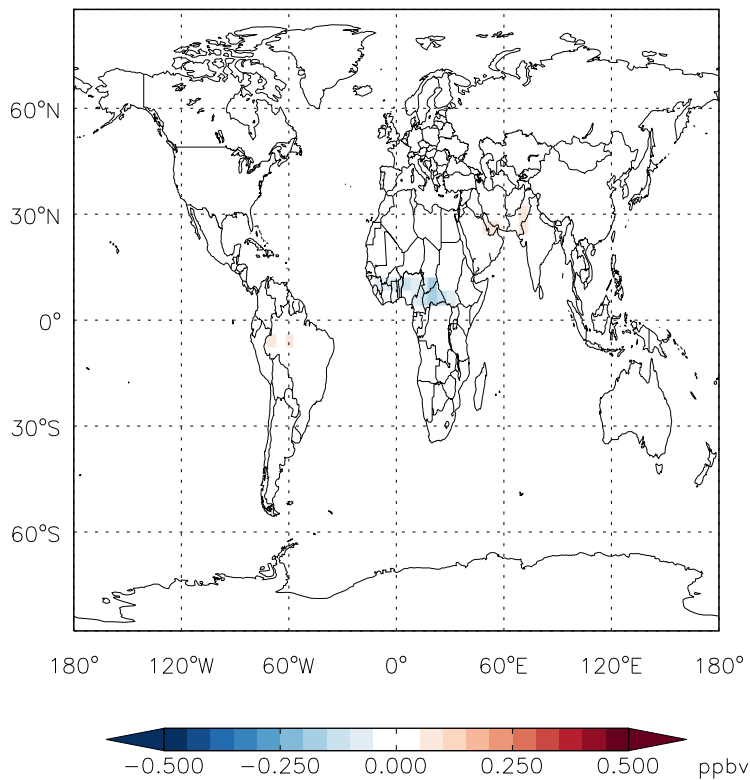
C3H8- Diff @ 500 hPa for Apr



# GEOS-Chem Difference Maps at surface and 500 hPa

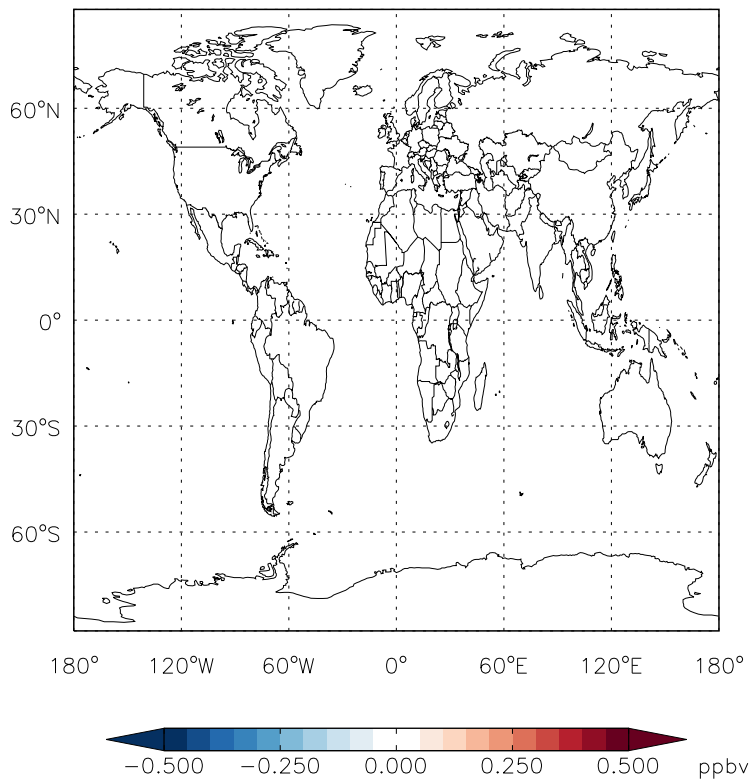
v11-01b-Run0 - v10-01-public-Run0

CH2O - Diff @ Surface for Apr



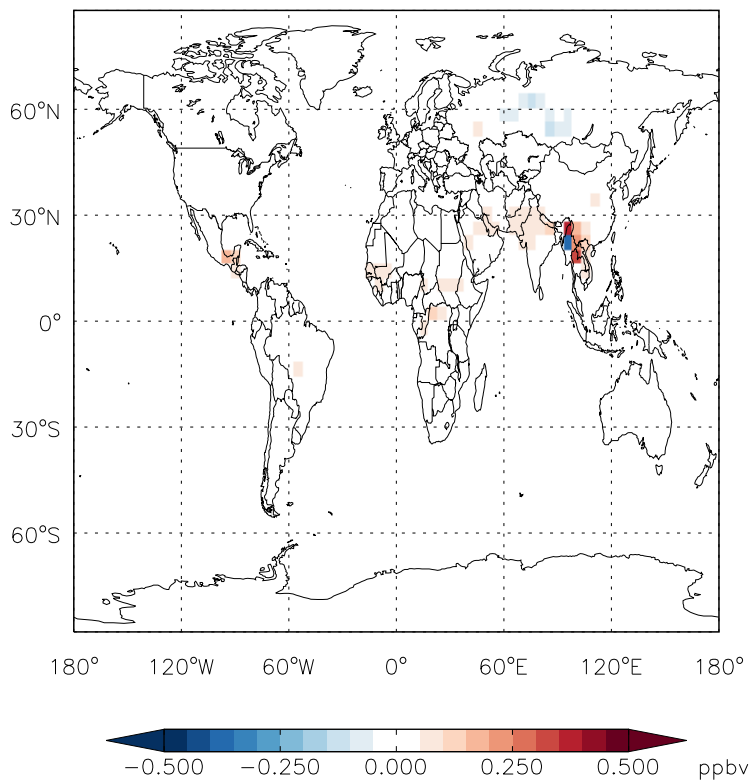
v11-01b-Run0 - v10-01-public-Run0

CH2O - Diff @ 500 hPa for Apr



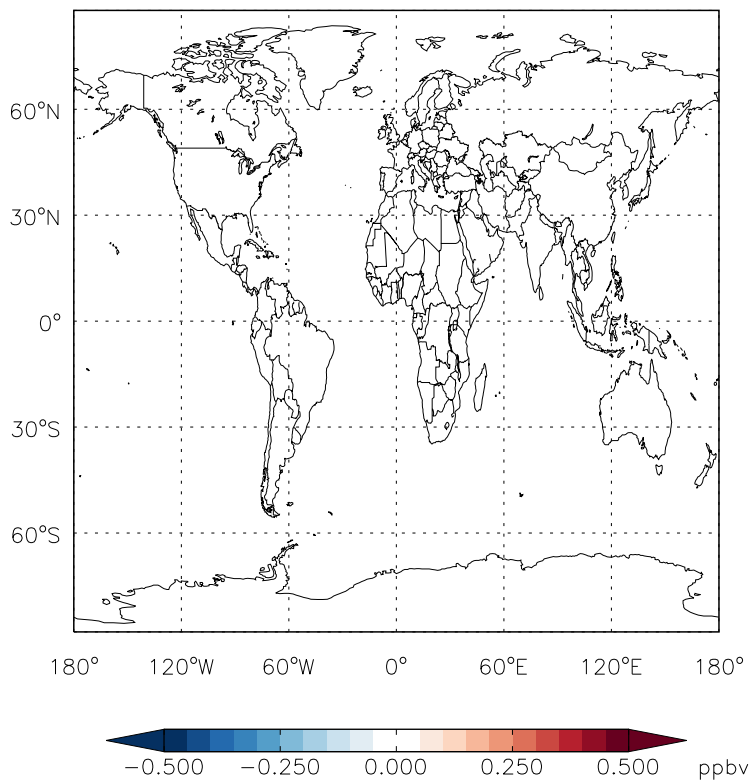
v11-01b-Run0 - v10-01i-geosfp-Run0

CH2O - Diff @ Surface for Apr



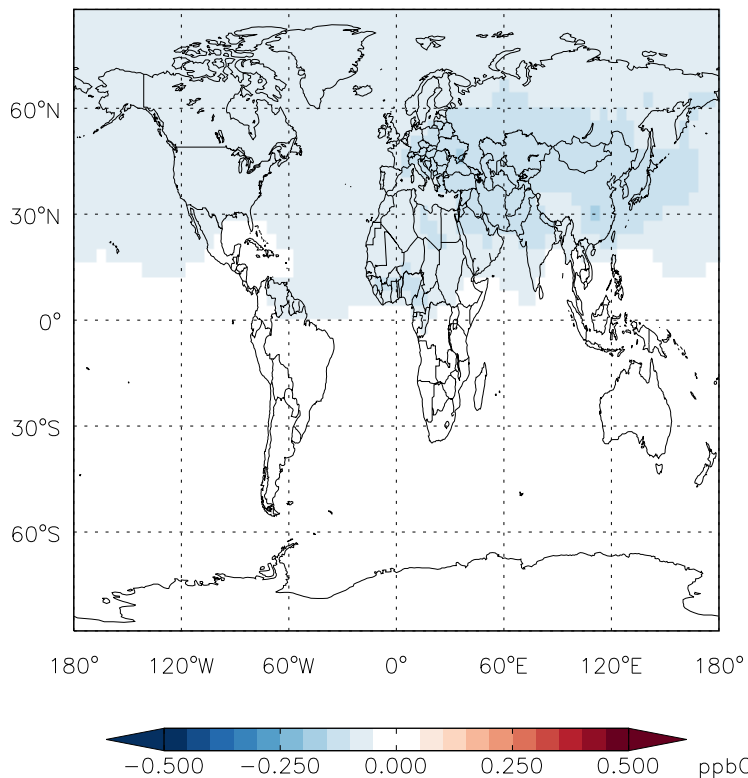
v11-01b-Run0 - v10-01i-geosfp-Run0

CH2O - Diff @ 500 hPa for Apr

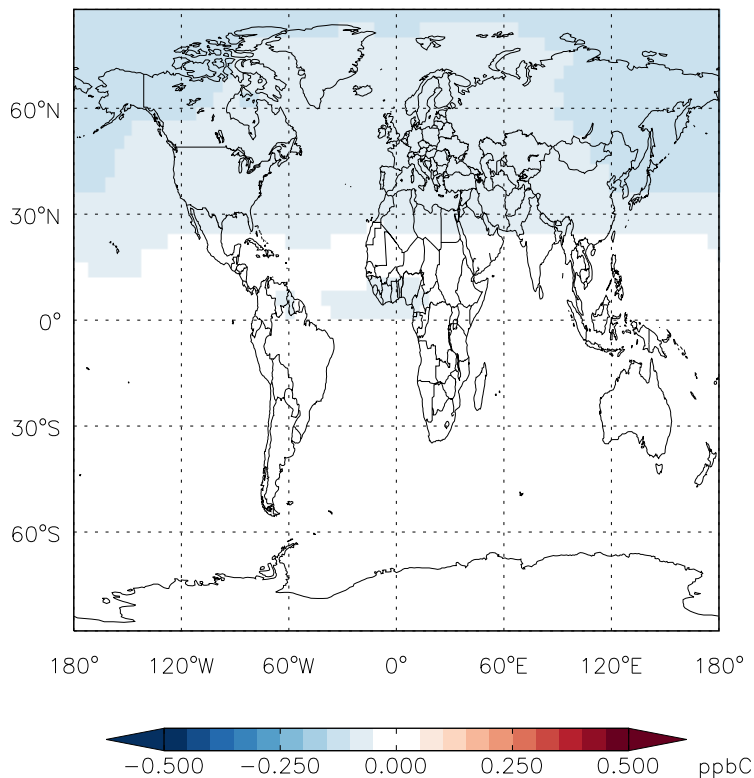


# GEOS-Chem Difference Maps at surface and 500 hPa

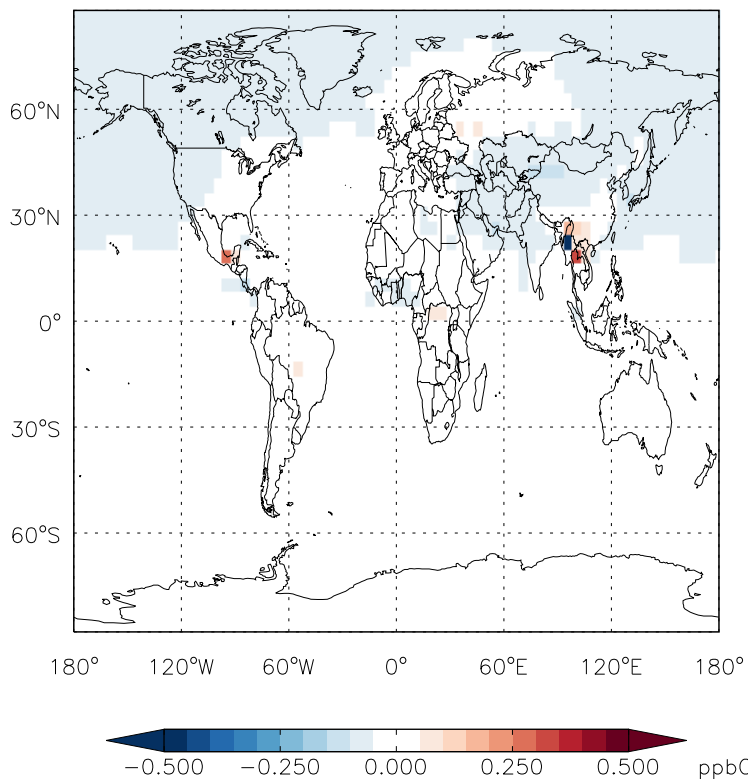
v11-01b-Run0 - v10-01-public-Run0  
C2H6 - Diff @ Surface for Apr



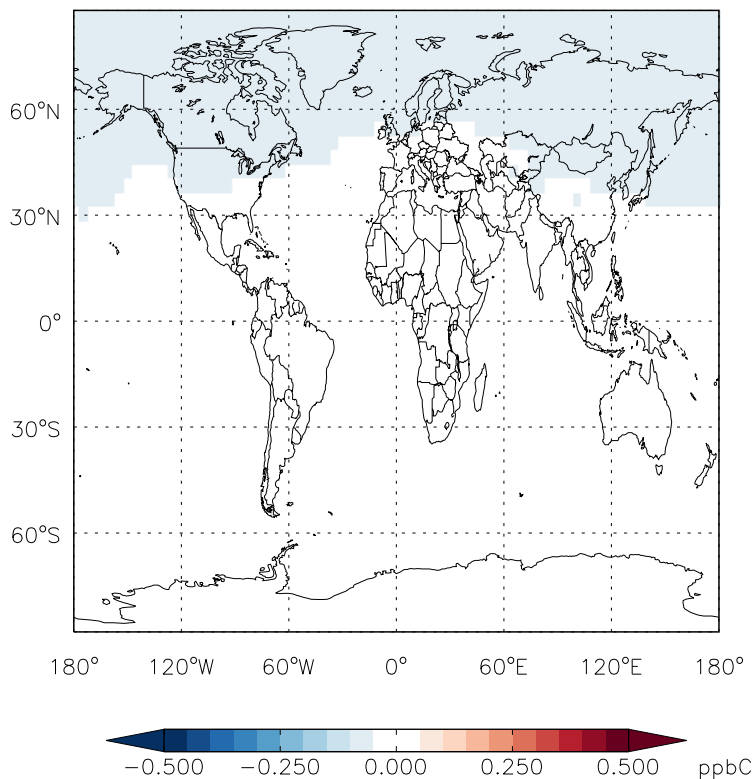
v11-01b-Run0 - v10-01-public-Run0  
C2H6- Diff @ 500 hPa for Apr



v11-01b-Run0 - v10-01i-geosfp-Run0  
C2H6 - Diff @ Surface for Apr

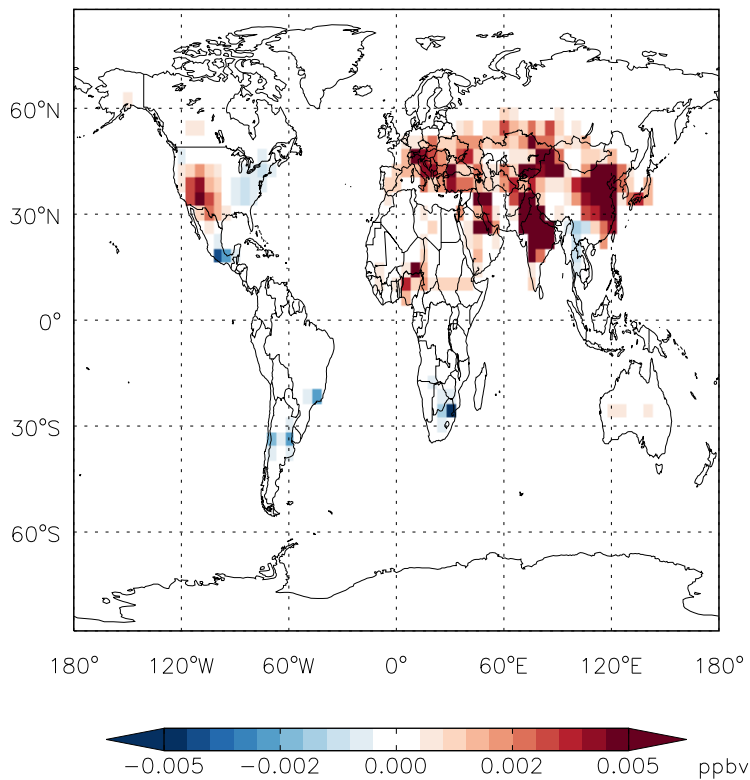


v11-01b-Run0 - v10-01i-geosfp-Run0  
C2H6- Diff @ 500 hPa for Apr

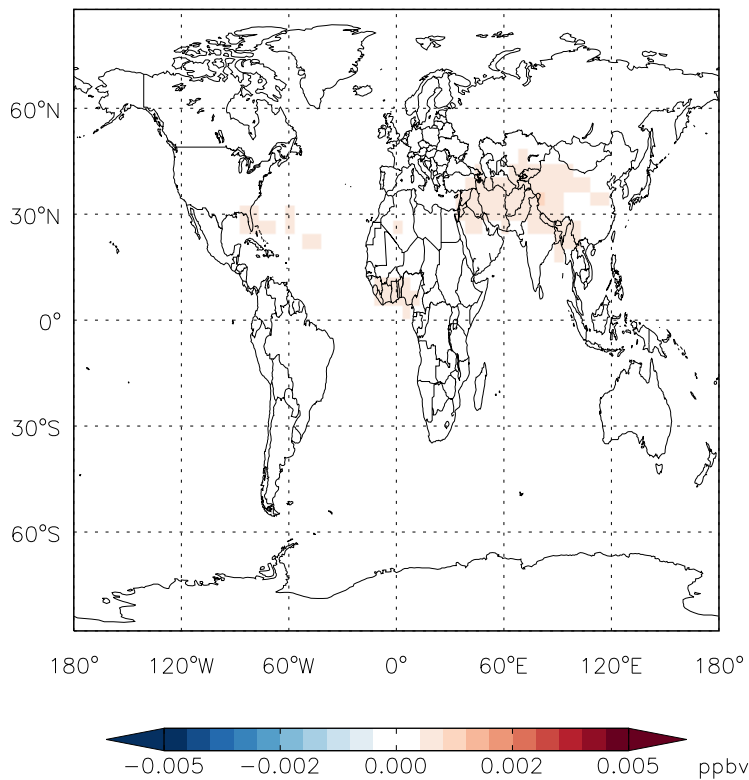


# GEOS-Chem Difference Maps at surface and 500 hPa

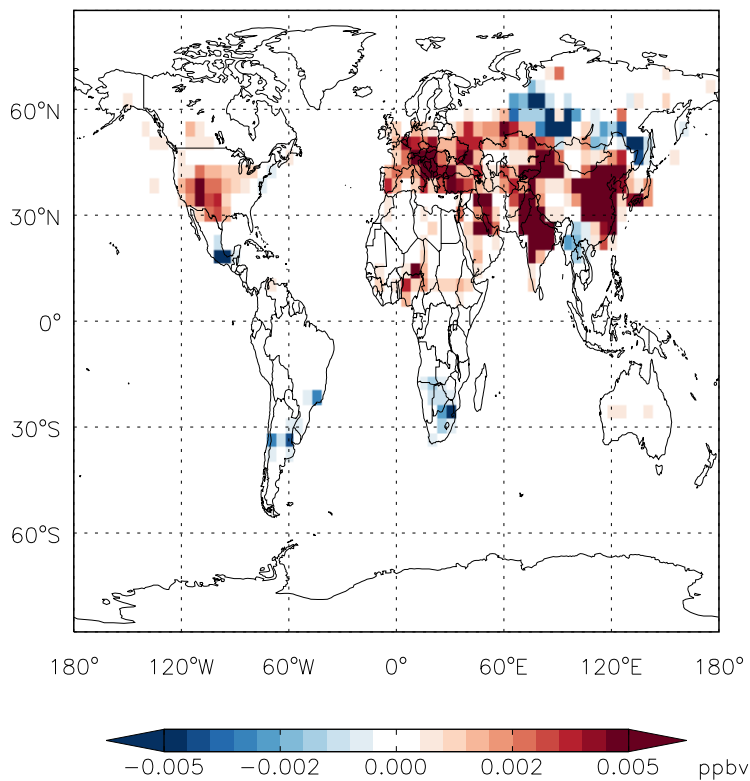
v11-01b-Run0 - v10-01-public-Run0  
N2O5 - Diff @ Surface for Apr



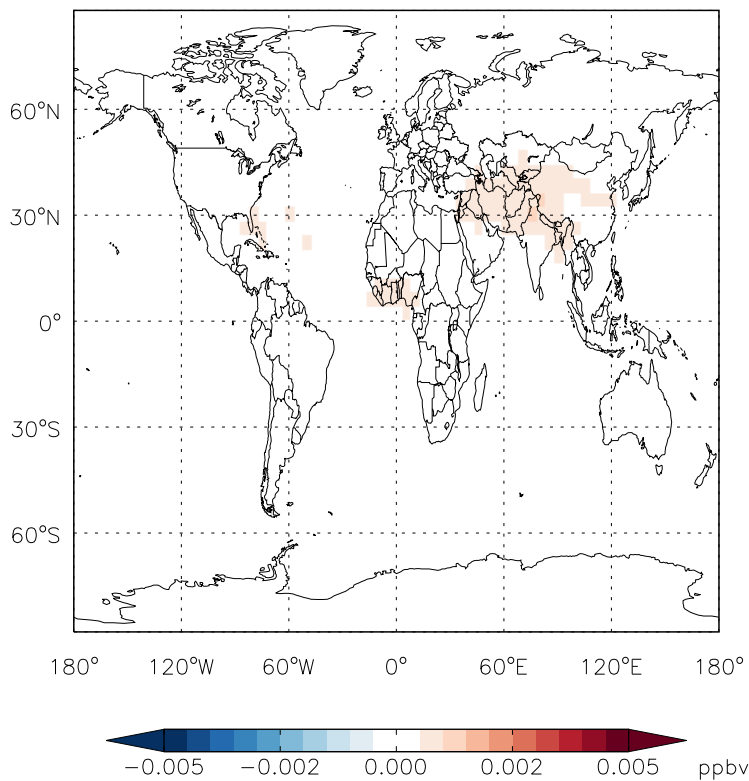
v11-01b-Run0 - v10-01-public-Run0  
N2O5- Diff @ 500 hPa for Apr



v11-01b-Run0 - v10-01i-geosfp-Run0  
N2O5 - Diff @ Surface for Apr

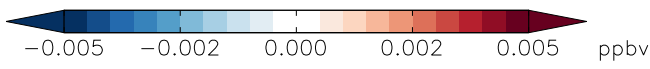
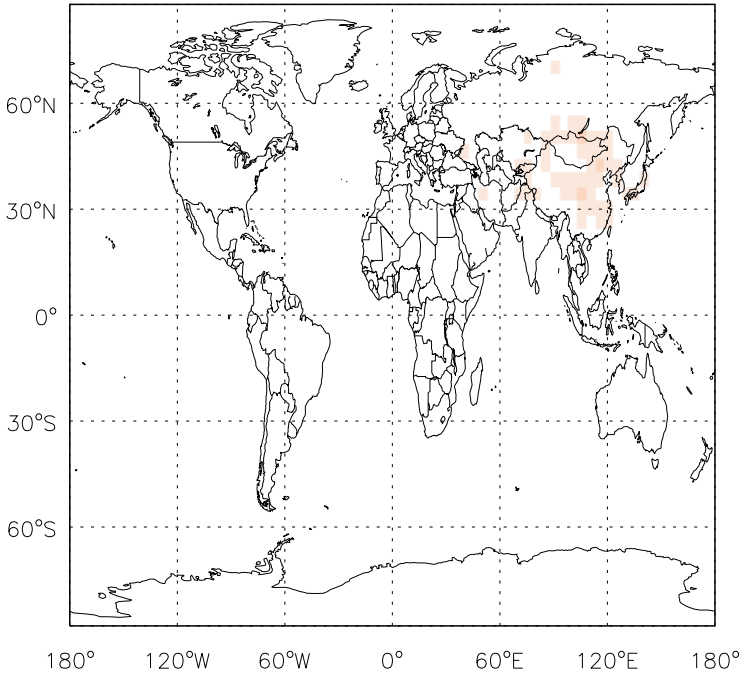


v11-01b-Run0 - v10-01i-geosfp-Run0  
N2O5- Diff @ 500 hPa for Apr

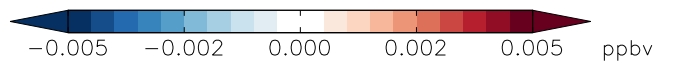
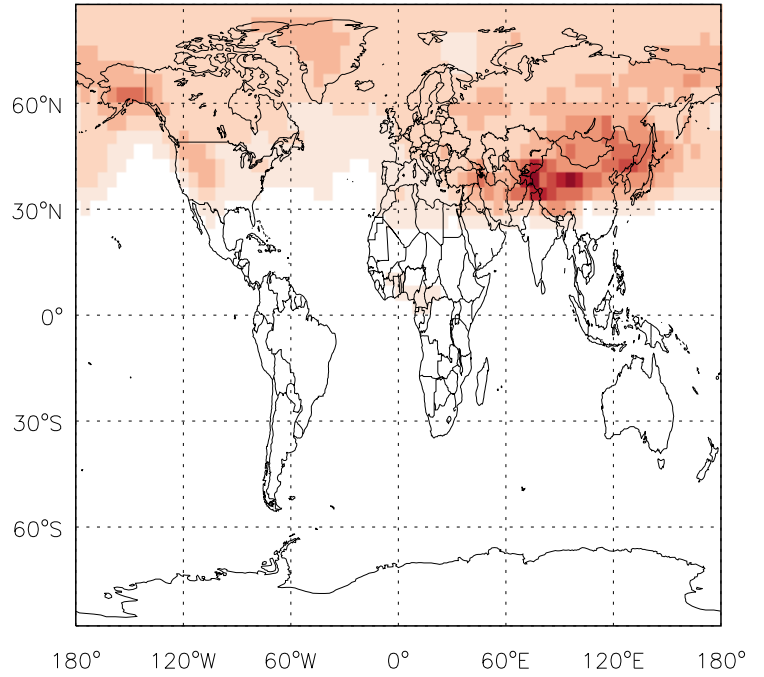


GEOS-Chem Difference Maps at surface and 500 hPa

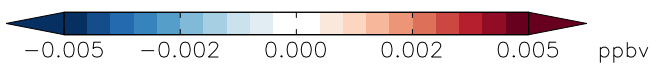
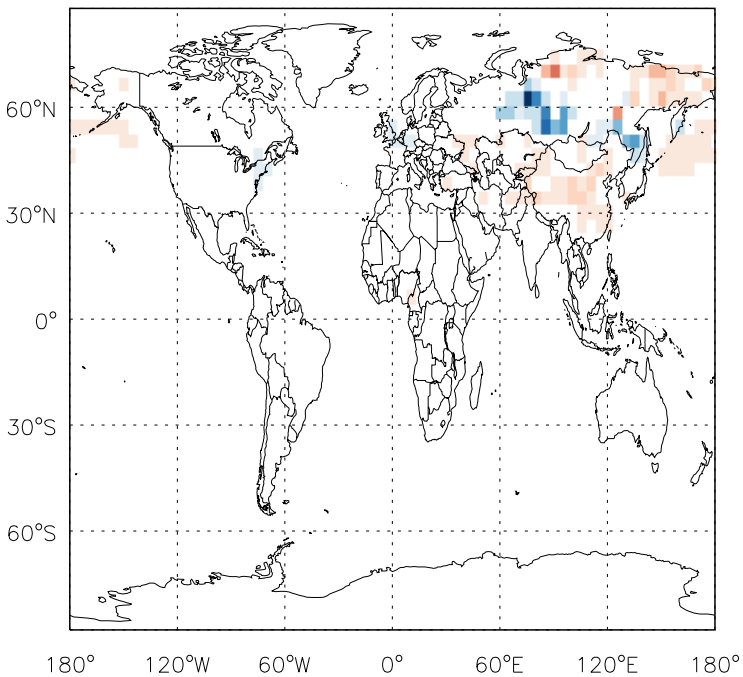
v11-01b-Run0 - v10-01-public-Run0  
HNO<sub>4</sub> - Diff @ Surface for Apr



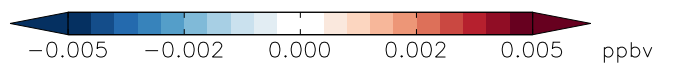
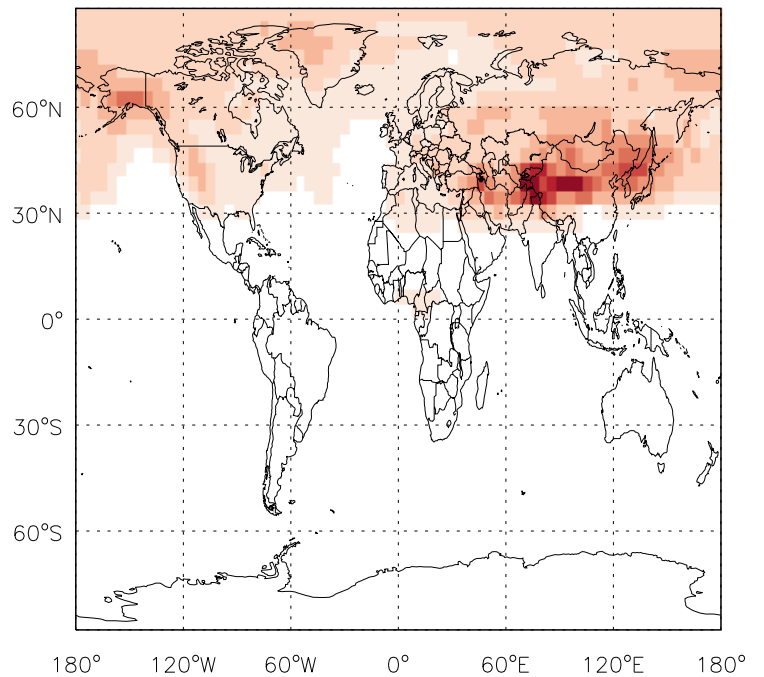
v11-01b-Run0 - v10-01-public-Run0  
HNO<sub>4</sub> - Diff @ 500 hPa for Apr



v11-01b-Run0 - v10-01i-geosfp-Run0  
HNO<sub>4</sub> - Diff @ Surface for Apr



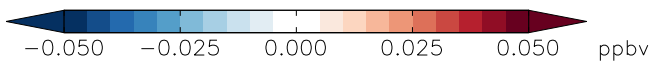
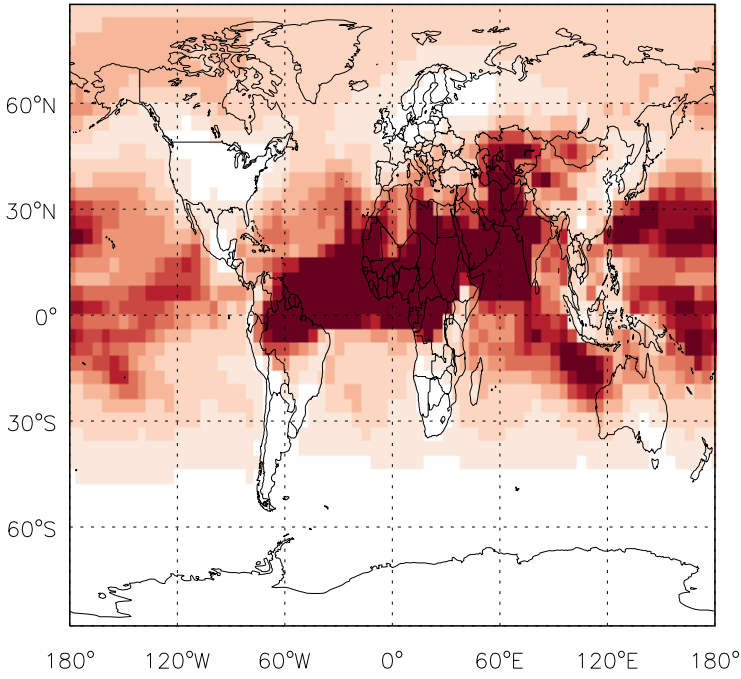
v11-01b-Run0 - v10-01i-geosfp-Run0  
HNO<sub>4</sub> - Diff @ 500 hPa for Apr



# GEOS-Chem Difference Maps at surface and 500 hPa

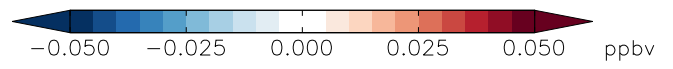
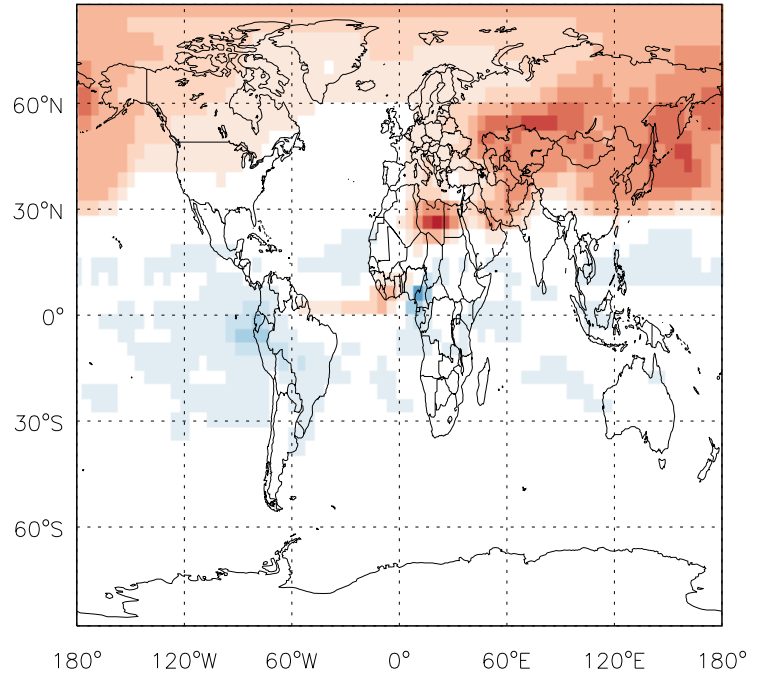
v11-01b-Run0 - v10-01-public-Run0

MP - Diff @ Surface for Apr



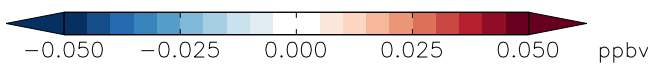
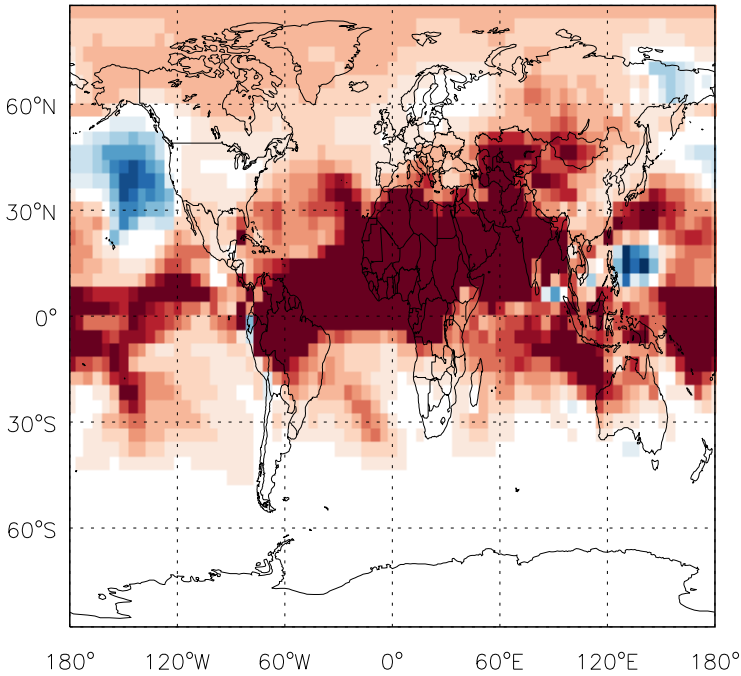
v11-01b-Run0 - v10-01-public-Run0

MP - Diff @ 500 hPa for Apr



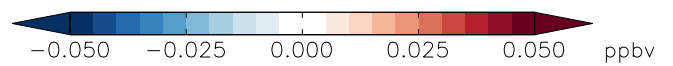
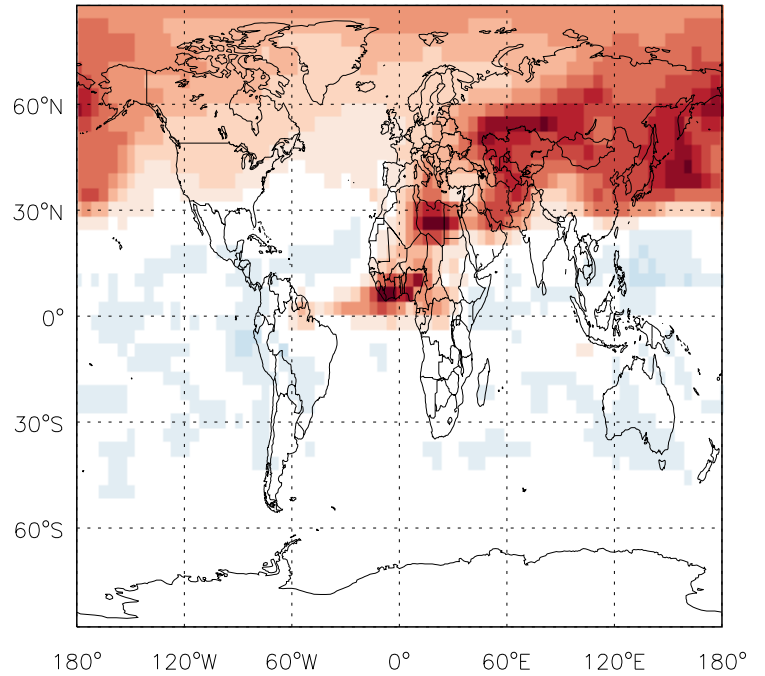
v11-01b-Run0 - v10-01i-geosfp-Run0

MP - Diff @ Surface for Apr



v11-01b-Run0 - v10-01i-geosfp-Run0

MP - Diff @ 500 hPa for Apr

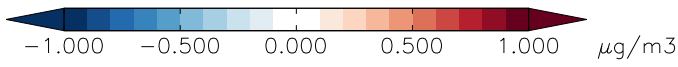
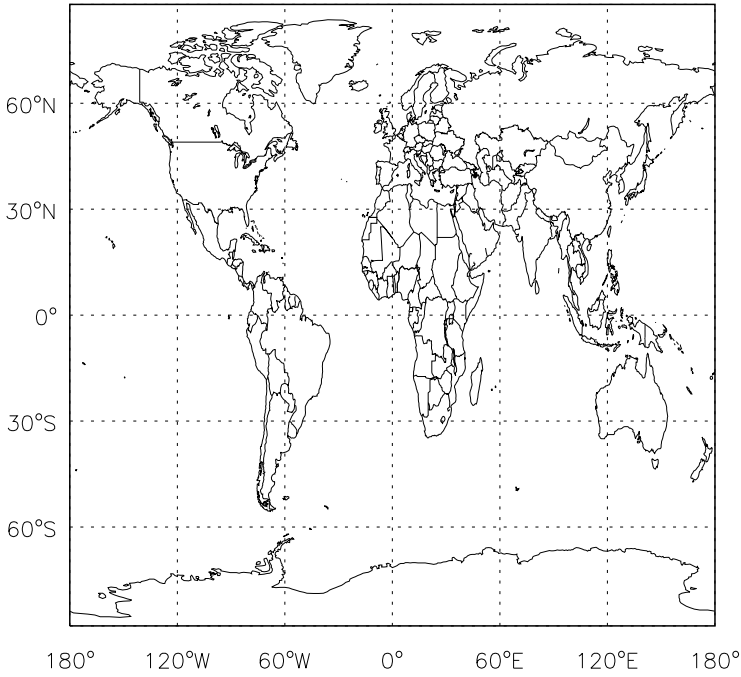




GEOS-Chem Difference Maps at surface and 500 hPa

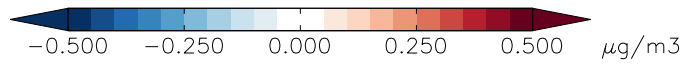
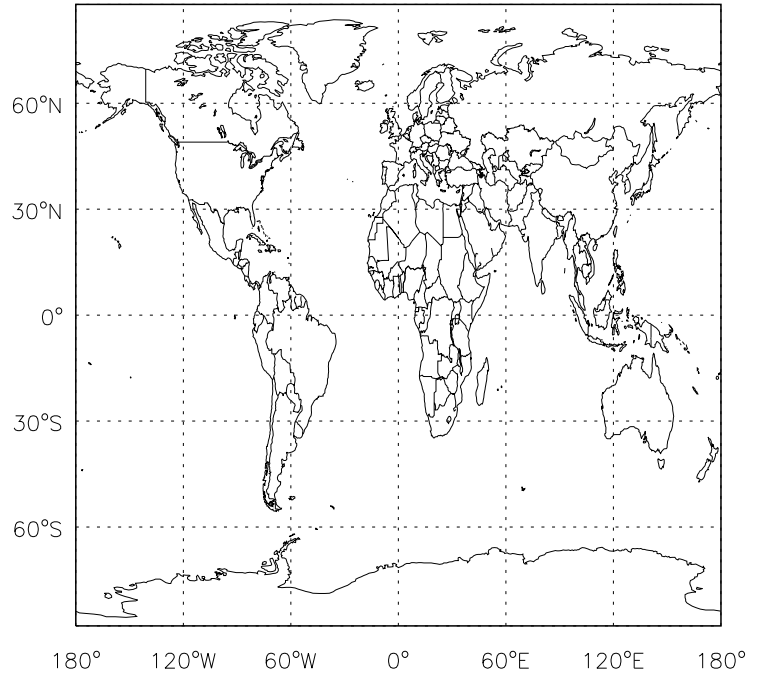
v11-01b-Run0 - v10-01-public-Run0

DMS - Diff @ Surface for Apr



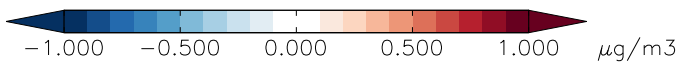
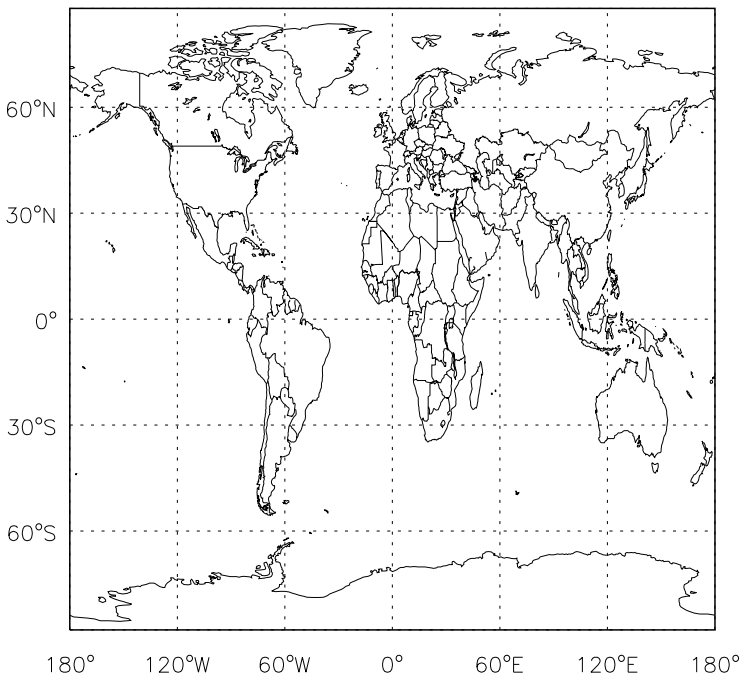
v11-01b-Run0 - v10-01-public-Run0

DMS- Diff @ 500 hPa for Apr



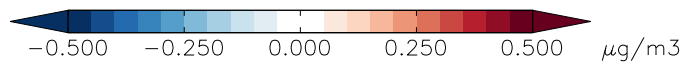
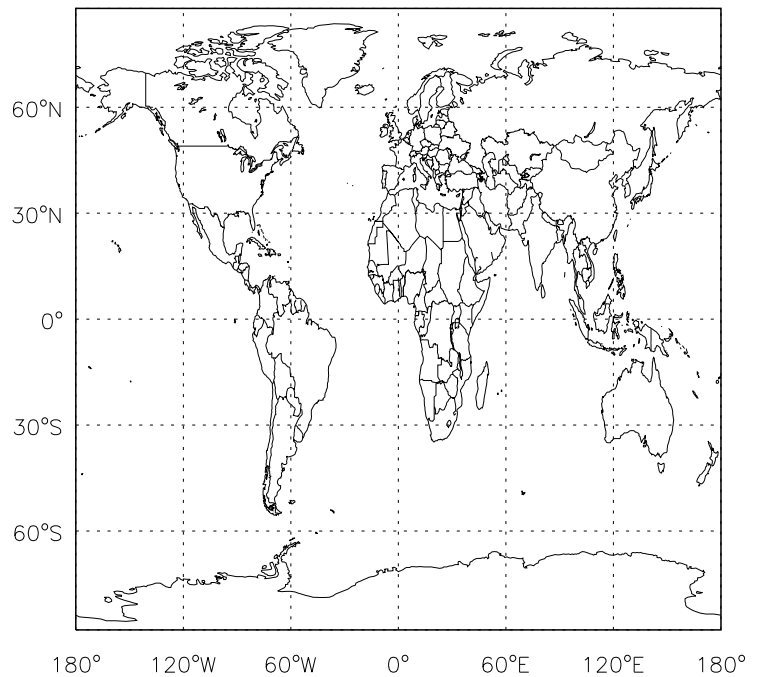
v11-01b-Run0 - v10-01i-geosfp-Run0

DMS - Diff @ Surface for Apr



v11-01b-Run0 - v10-01i-geosfp-Run0

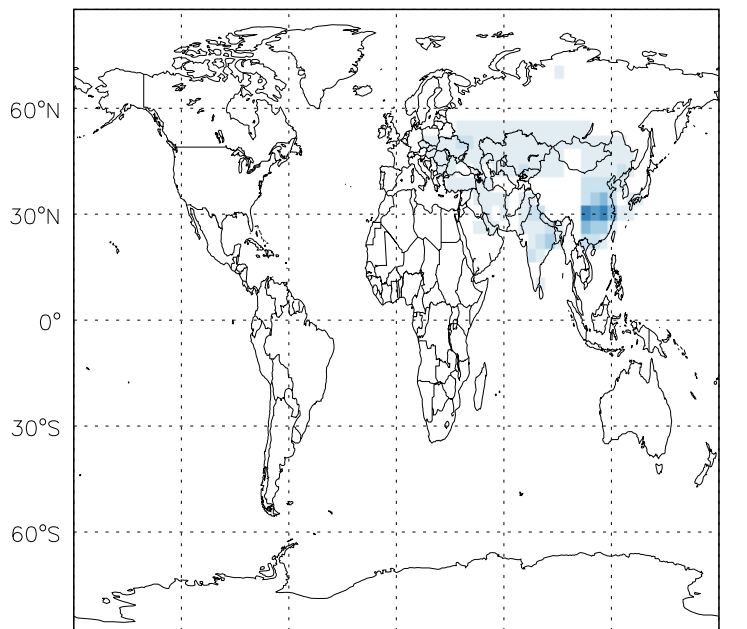
DMS- Diff @ 500 hPa for Apr



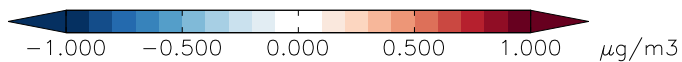
# GEOS-Chem Difference Maps at surface and 500 hPa

v11-01b-Run0 - v10-01-public-Run0

S<sub>2</sub> - Diff @ Surface for Apr

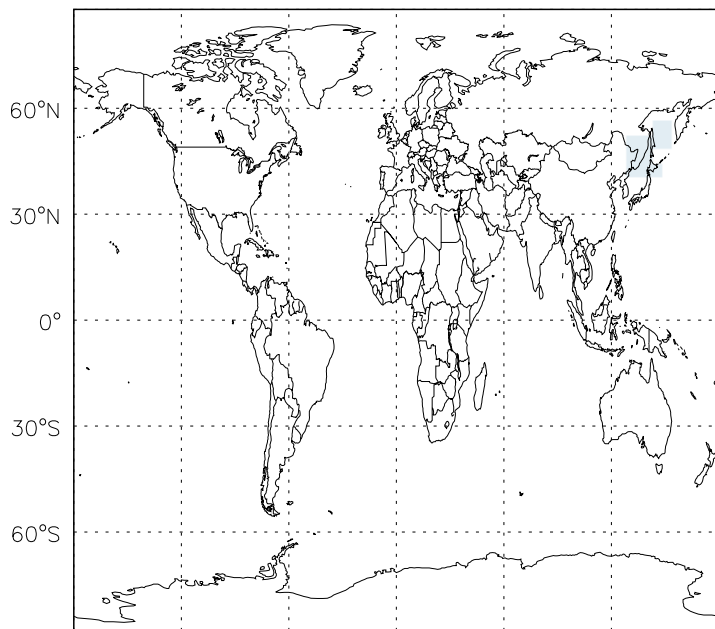


180° 120°W 60°W 0° 60°E 120°E 180°

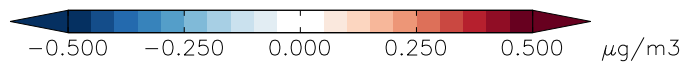


v11-01b-Run0 - v10-01-public-Run0

S<sub>2</sub> - Diff @ 500 hPa for Apr

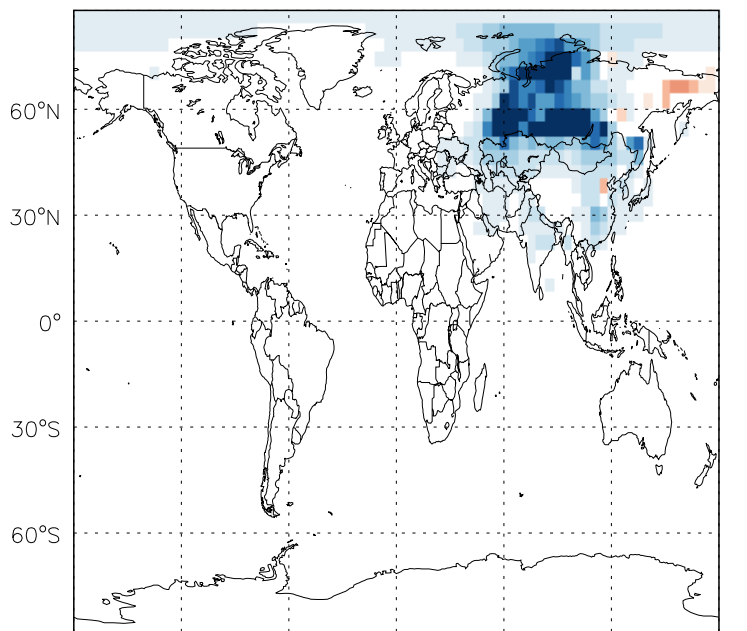


180° 120°W 60°W 0° 60°E 120°E 180°

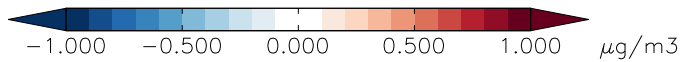


v11-01b-Run0 - v10-01i-geosfp-Run0

S<sub>2</sub> - Diff @ Surface for Apr

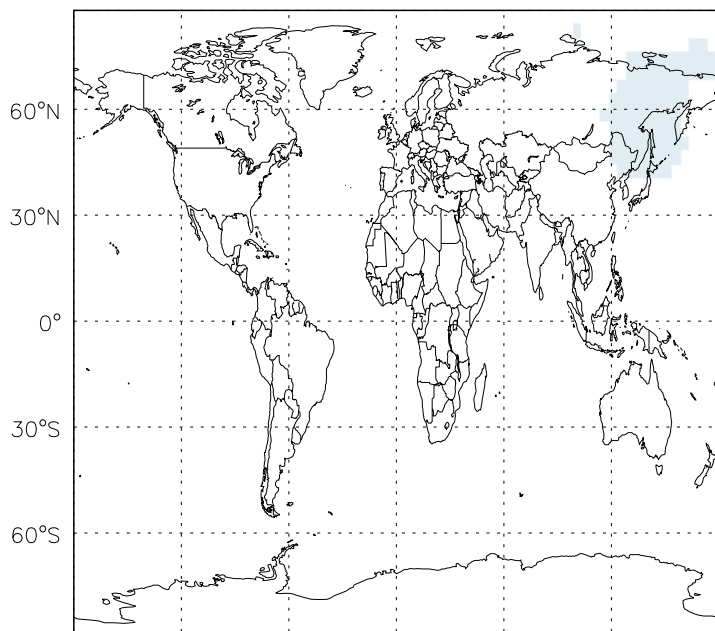


180° 120°W 60°W 0° 60°E 120°E 180°

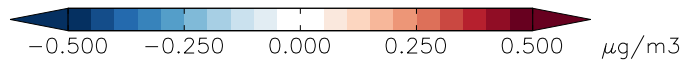


v11-01b-Run0 - v10-01i-geosfp-Run0

S<sub>2</sub> - Diff @ 500 hPa for Apr



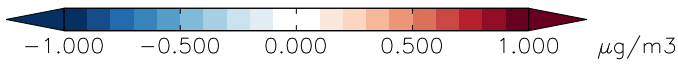
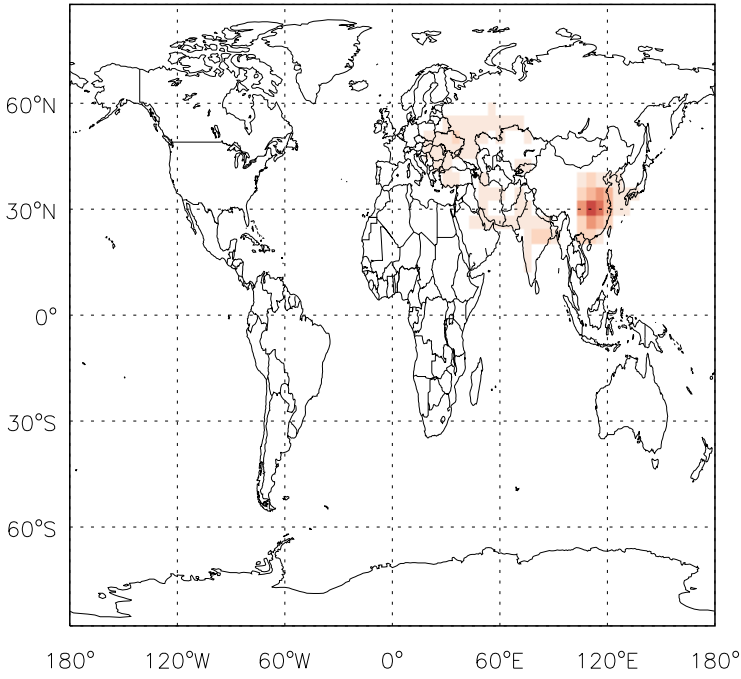
180° 120°W 60°W 0° 60°E 120°E 180°



GEOS-Chem Difference Maps at surface and 500 hPa

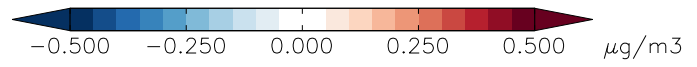
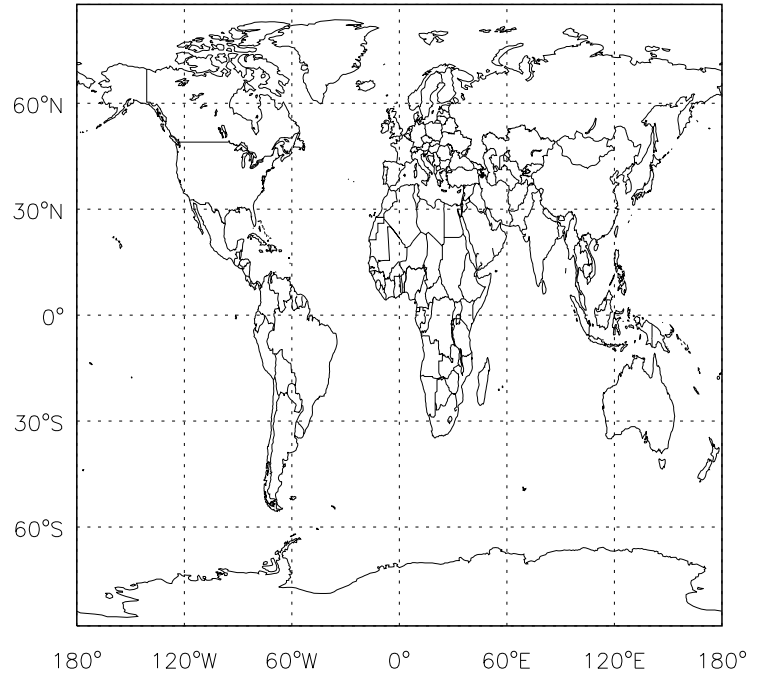
v11-01b-Run0 - v10-01-public-Run0

S04 - Diff @ Surface for Apr



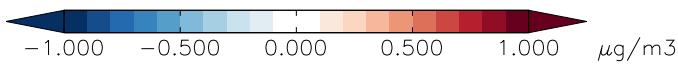
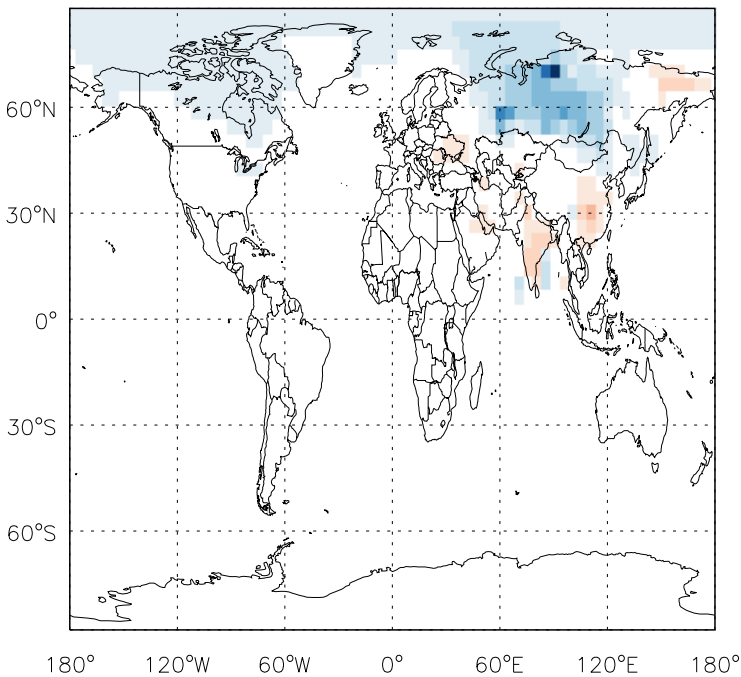
v11-01b-Run0 - v10-01-public-Run0

S04 - Diff @ 500 hPa for Apr



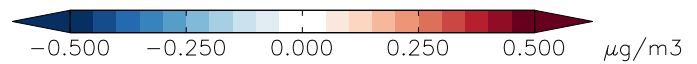
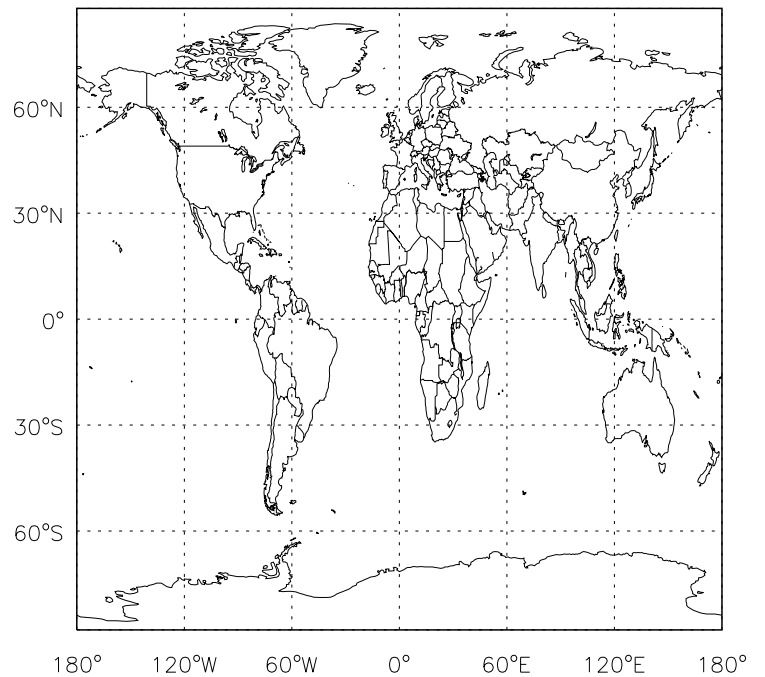
v11-01b-Run0 - v10-01i-geosfp-Run0

S04 - Diff @ Surface for Apr



v11-01b-Run0 - v10-01i-geosfp-Run0

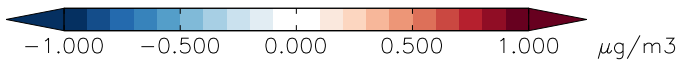
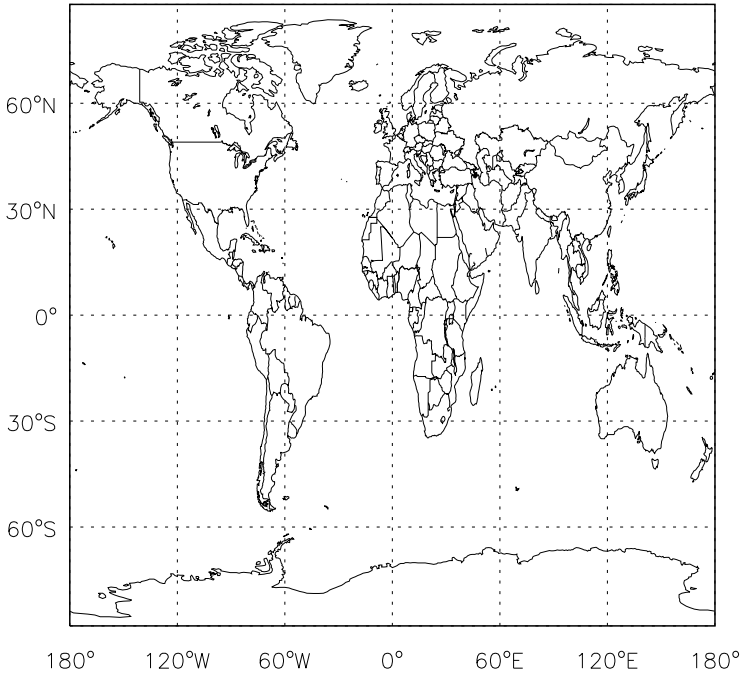
S04 - Diff @ 500 hPa for Apr



GEOS-Chem Difference Maps at surface and 500 hPa

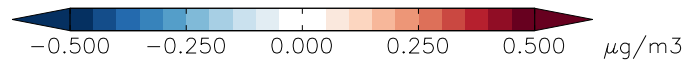
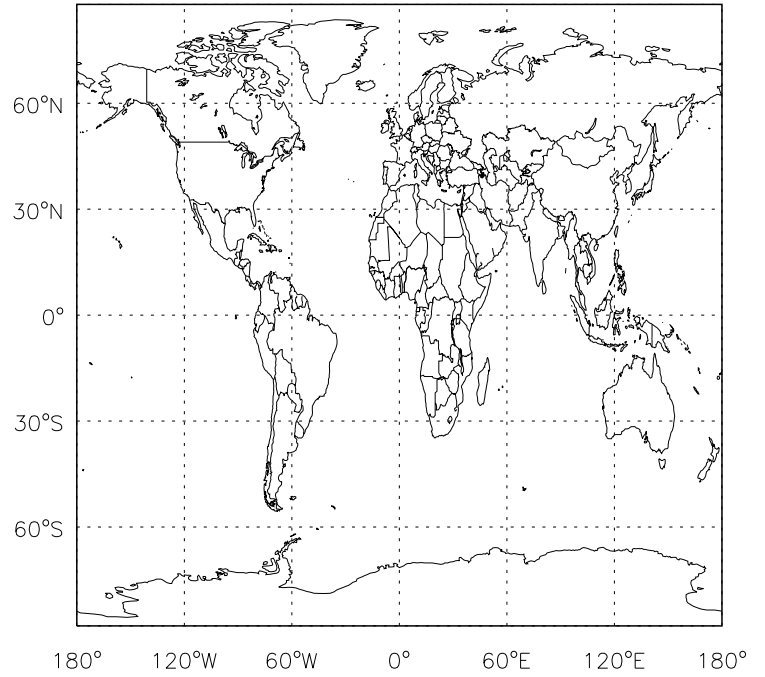
v11-01b-Run0 - v10-01-public-Run0

S04s - Diff @ Surface for Apr



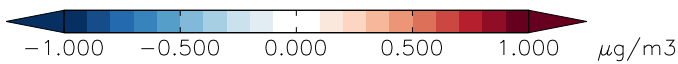
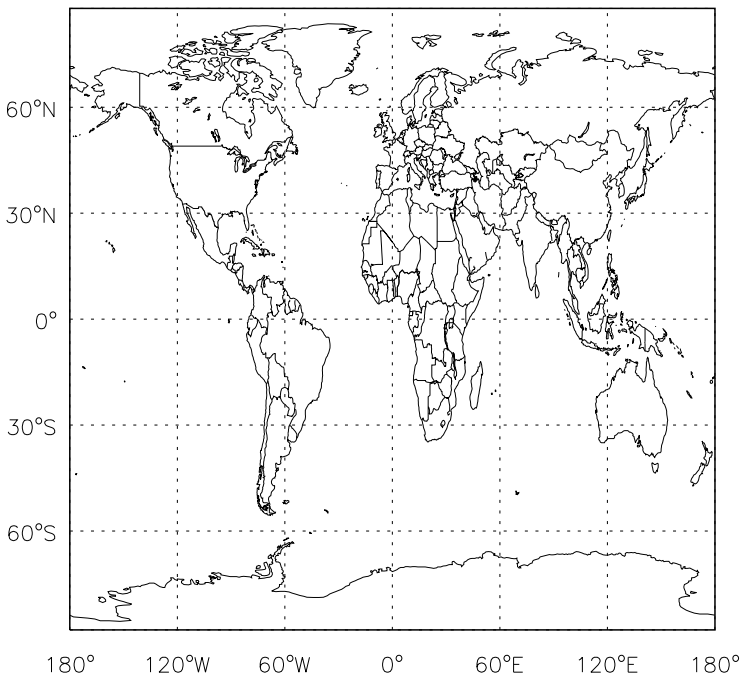
v11-01b-Run0 - v10-01-public-Run0

S04s- Diff @ 500 hPa for Apr



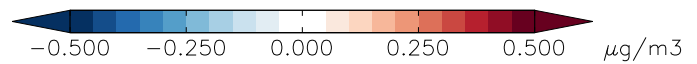
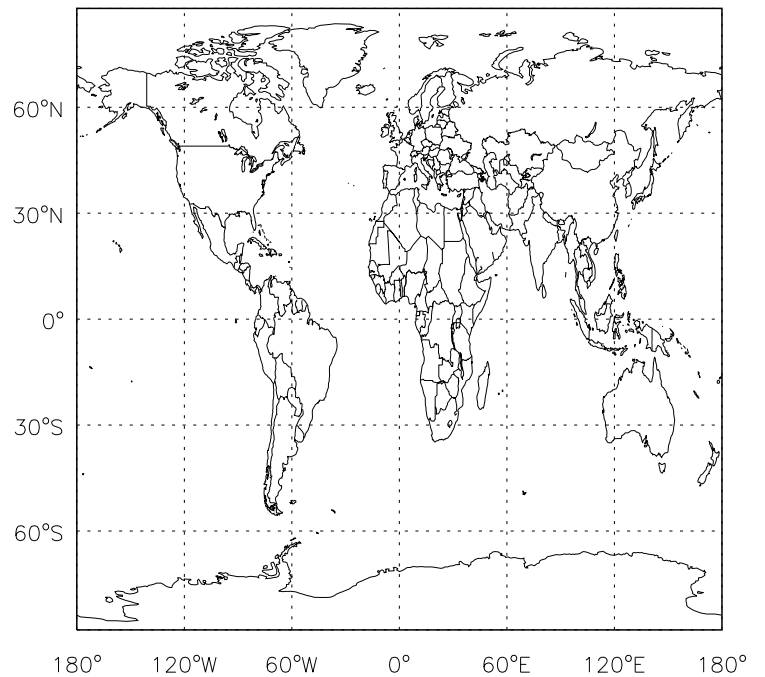
v11-01b-Run0 - v10-01i-geosfp-Run0

S04s - Diff @ Surface for Apr



v11-01b-Run0 - v10-01i-geosfp-Run0

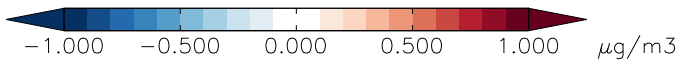
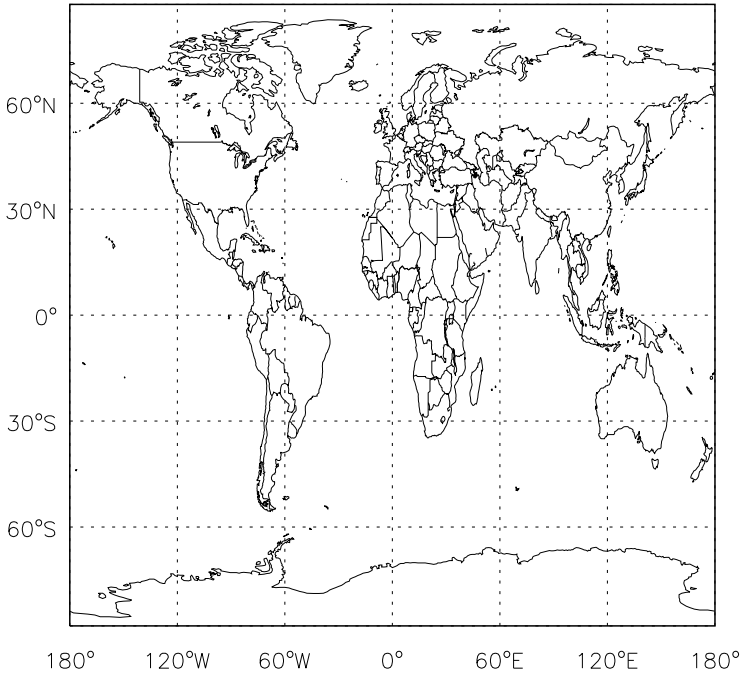
S04s- Diff @ 500 hPa for Apr



GEOS-Chem Difference Maps at surface and 500 hPa

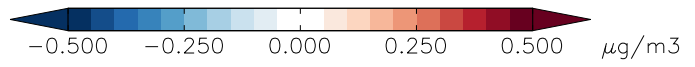
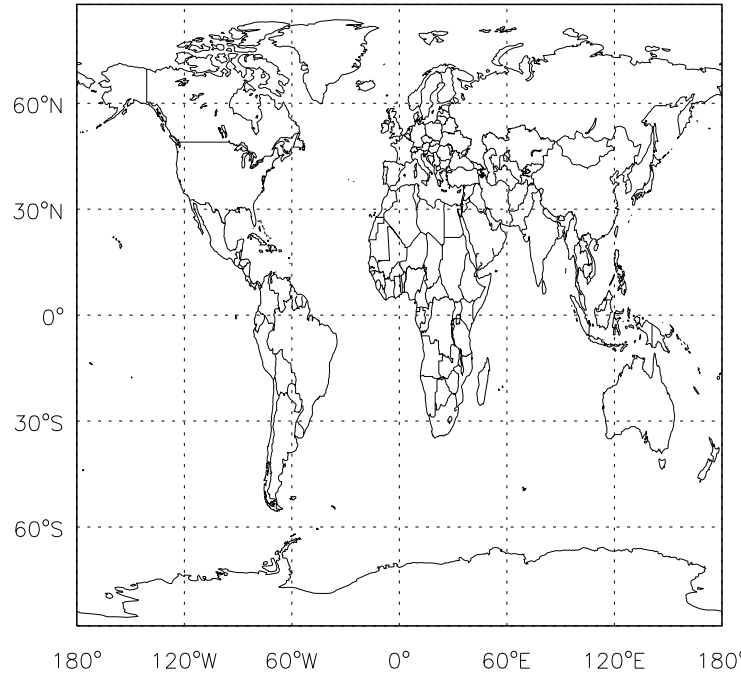
v11-01b-Run0 - v10-01-public-Run0

MSA - Diff @ Surface for Apr



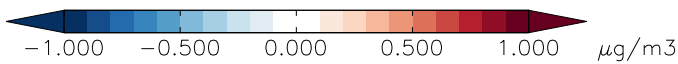
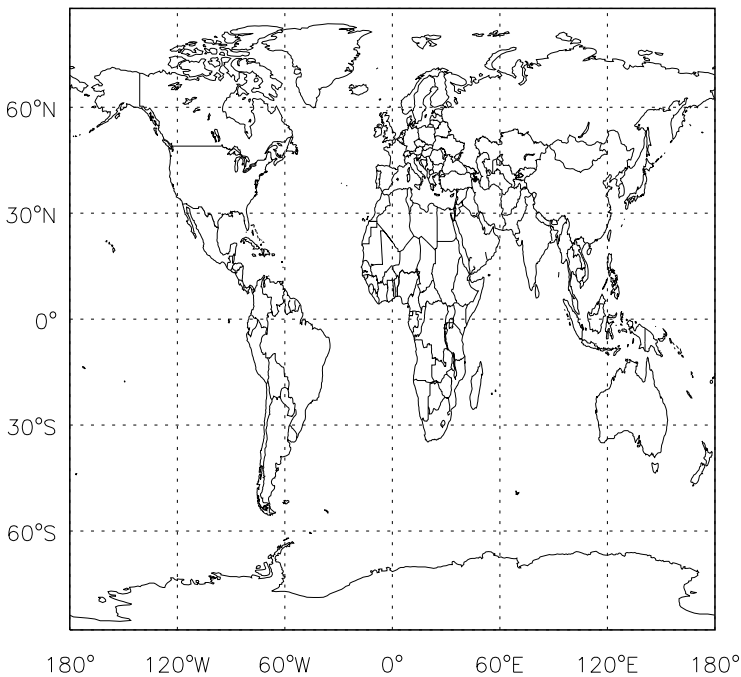
v11-01b-Run0 - v10-01-public-Run0

MSA - Diff @ 500 hPa for Apr



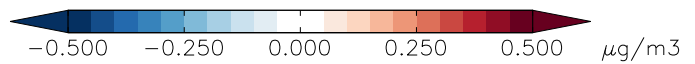
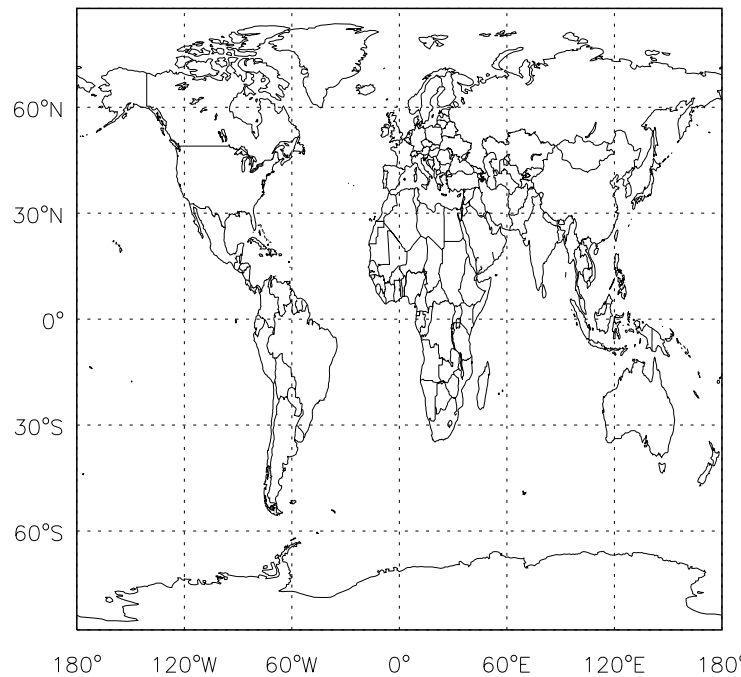
v11-01b-Run0 - v10-01i-geosfp-Run0

MSA - Diff @ Surface for Apr



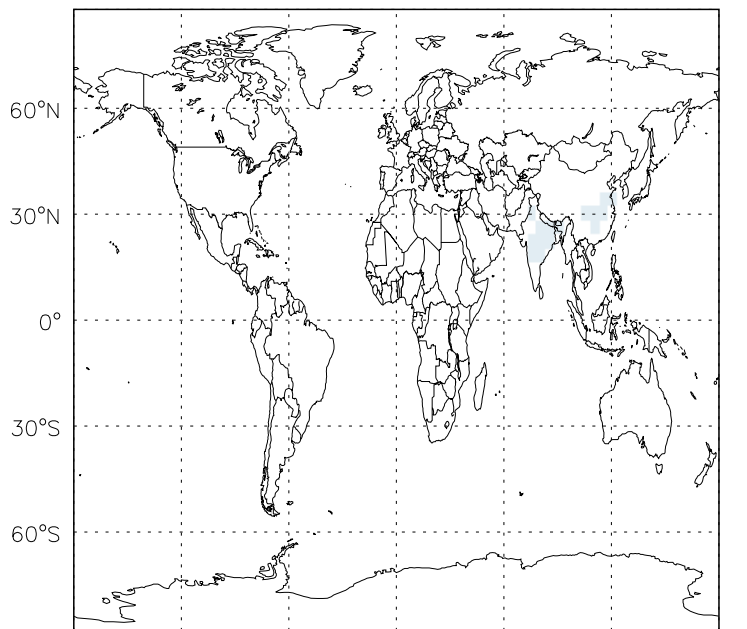
v11-01b-Run0 - v10-01i-geosfp-Run0

MSA - Diff @ 500 hPa for Apr

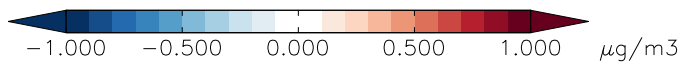


# GEOS-Chem Difference Maps at surface and 500 hPa

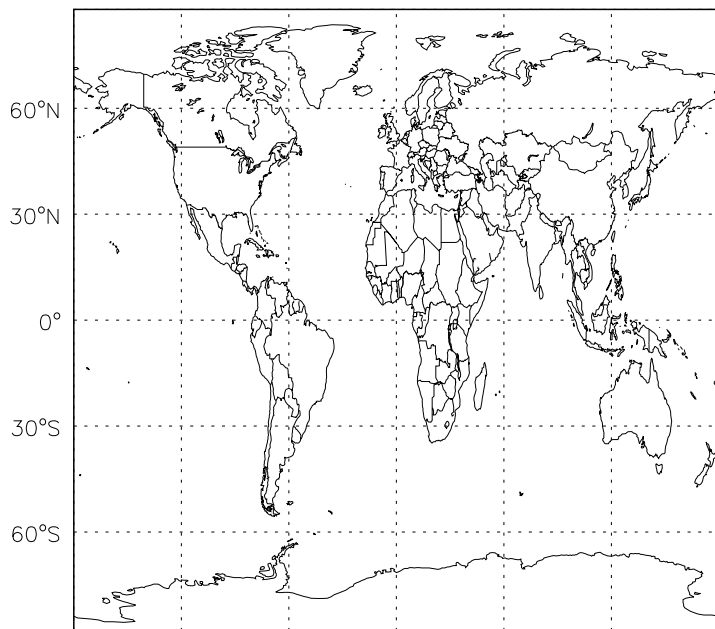
v11-01b-Run0 - v10-01-public-Run0  
NH3 - Diff @ Surface for Apr



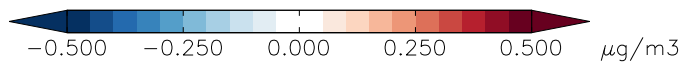
180° 120°W 60°W 0° 60°E 120°E 180°



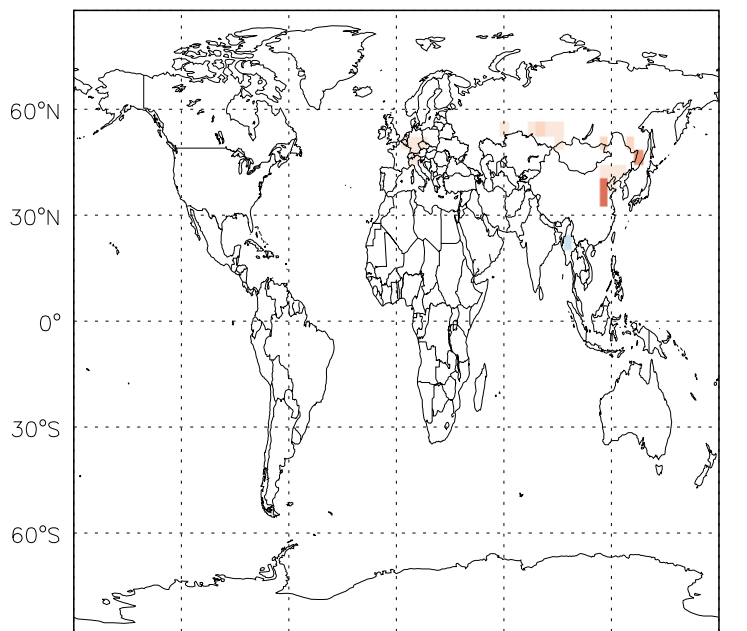
v11-01b-Run0 - v10-01-public-Run0  
NH3- Diff @ 500 hPa for Apr



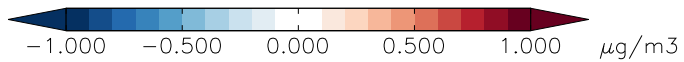
180° 120°W 60°W 0° 60°E 120°E 180°



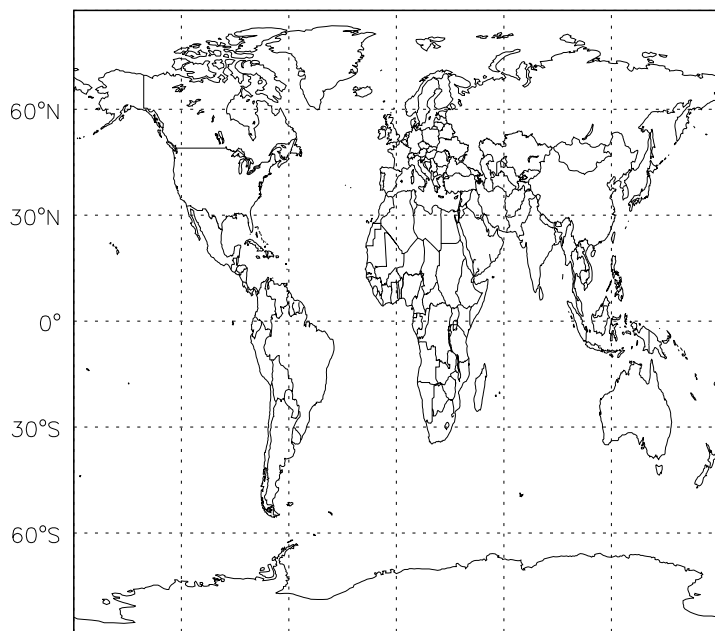
v11-01b-Run0 - v10-01i-geosfp-Run0  
NH3 - Diff @ Surface for Apr



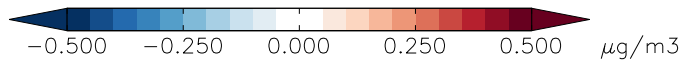
180° 120°W 60°W 0° 60°E 120°E 180°



v11-01b-Run0 - v10-01i-geosfp-Run0  
NH3- Diff @ 500 hPa for Apr

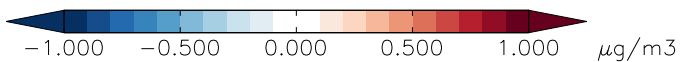
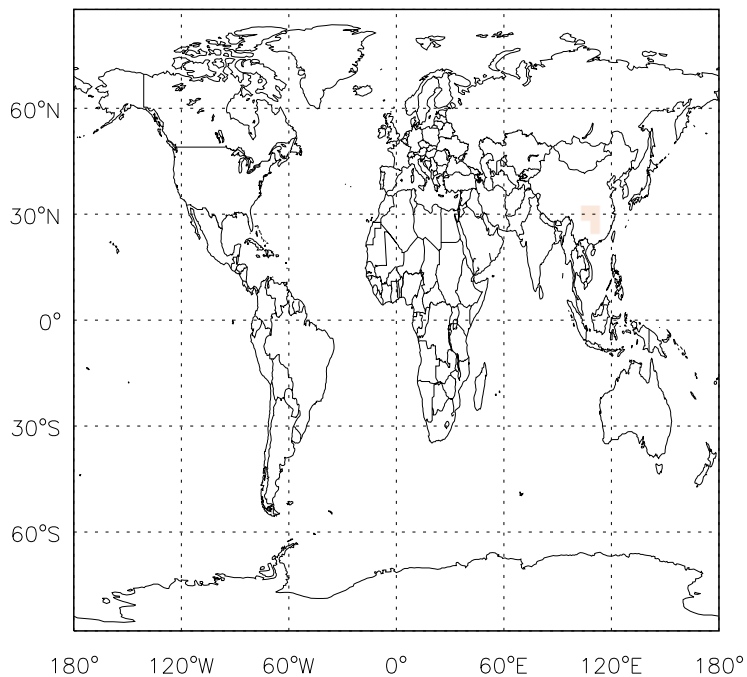


180° 120°W 60°W 0° 60°E 120°E 180°

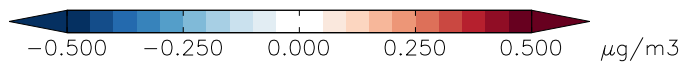
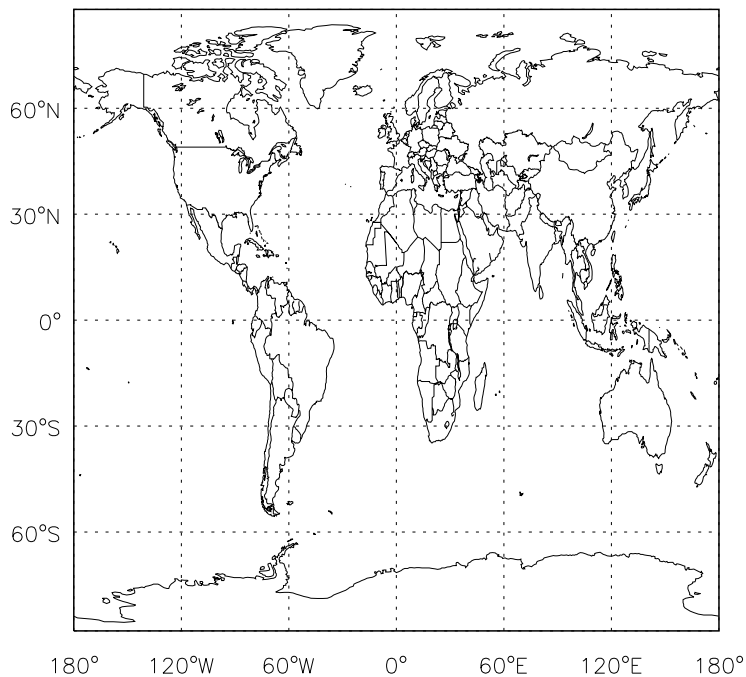


# GEOS-Chem Difference Maps at surface and 500 hPa

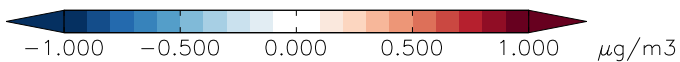
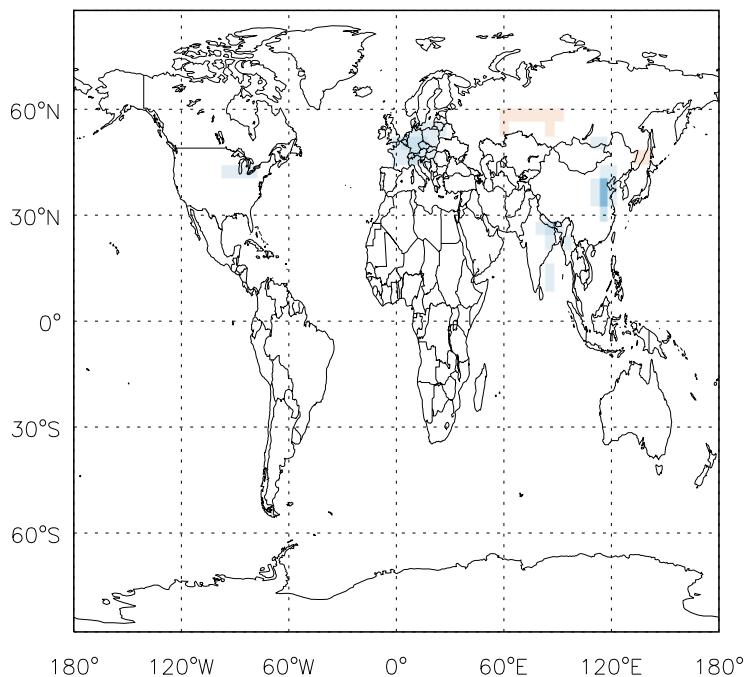
v11-01b-Run0 - v10-01-public-Run0  
NH4 - Diff @ Surface for Apr



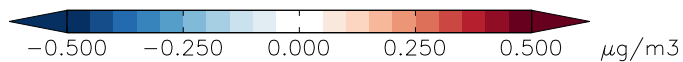
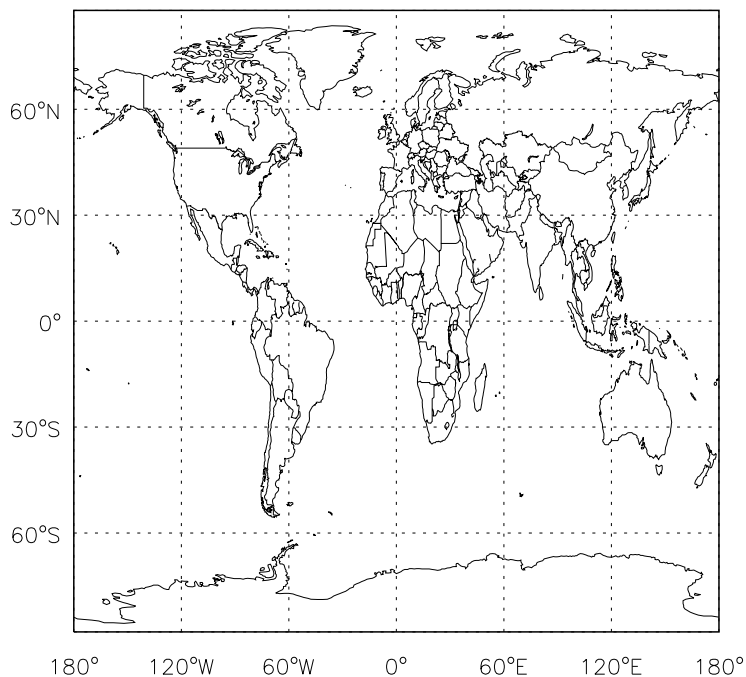
v11-01b-Run0 - v10-01-public-Run0  
NH4- Diff @ 500 hPa for Apr



v11-01b-Run0 - v10-01i-geosfp-Run0  
NH4 - Diff @ Surface for Apr



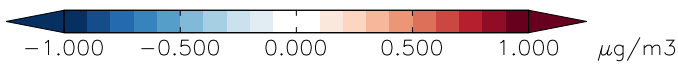
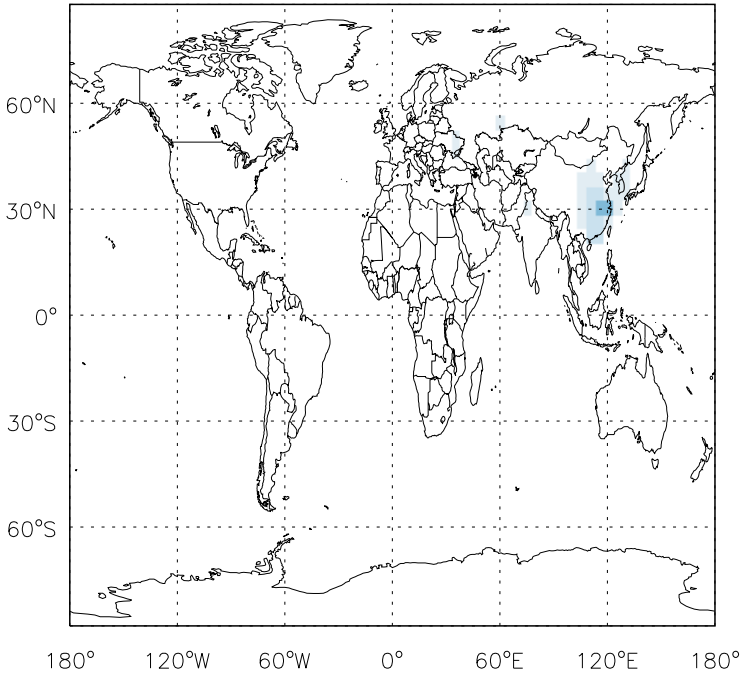
v11-01b-Run0 - v10-01i-geosfp-Run0  
NH4- Diff @ 500 hPa for Apr



GEOS-Chem Difference Maps at surface and 500 hPa

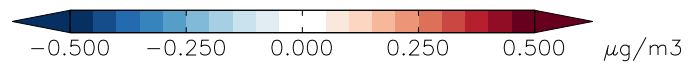
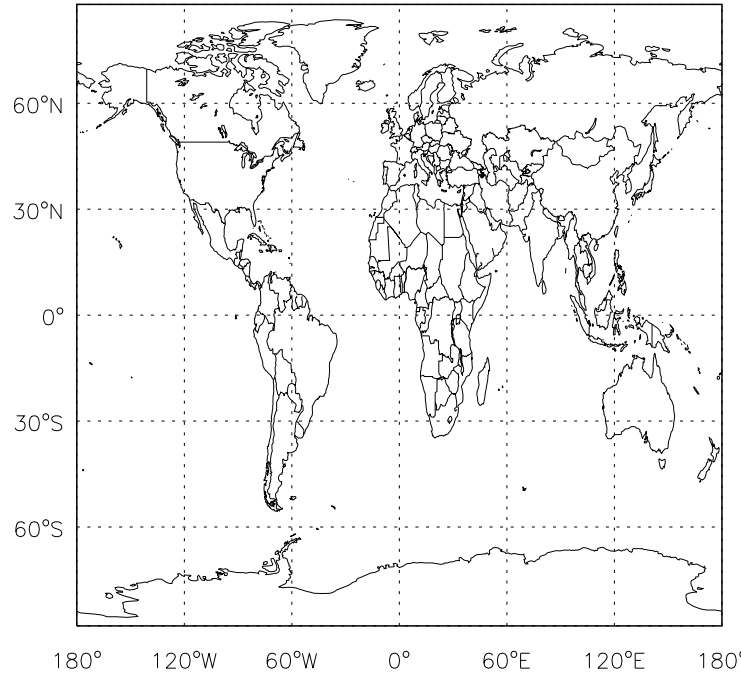
v11-01b-Run0 - v10-01-public-Run0

NIT - Diff @ Surface for Apr



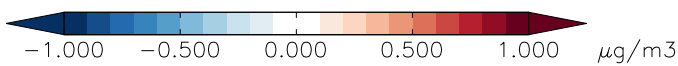
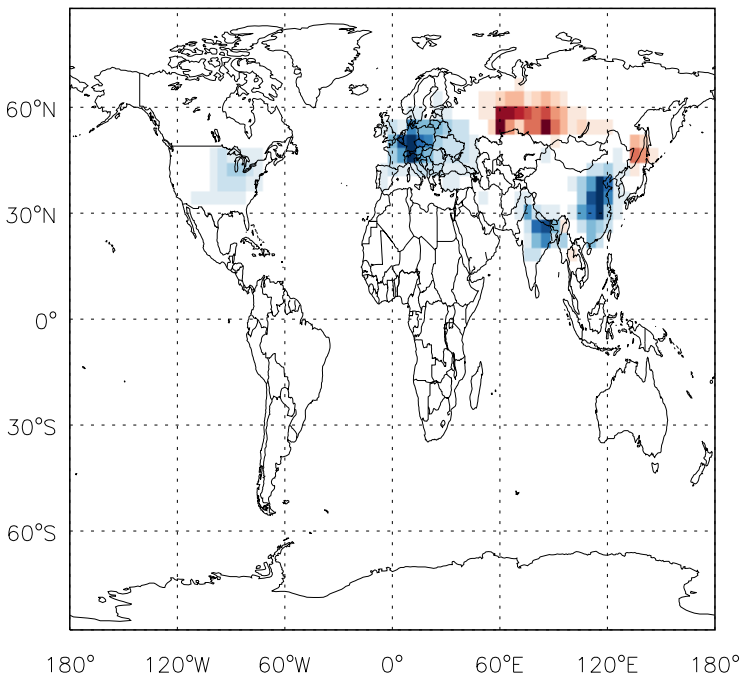
v11-01b-Run0 - v10-01-public-Run0

NIT- Diff @ 500 hPa for Apr



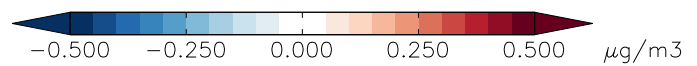
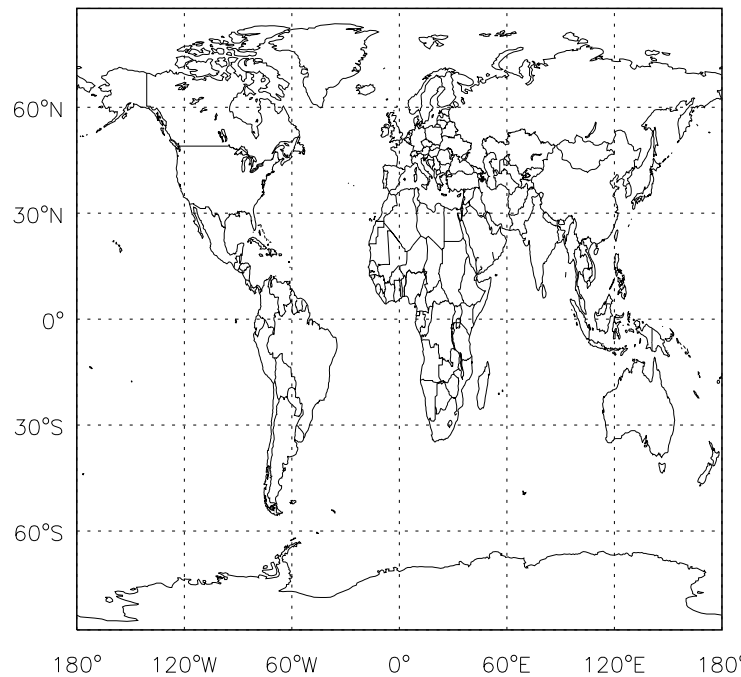
v11-01b-Run0 - v10-01i-geosfp-Run0

NIT - Diff @ Surface for Apr



v11-01b-Run0 - v10-01i-geosfp-Run0

NIT- Diff @ 500 hPa for Apr

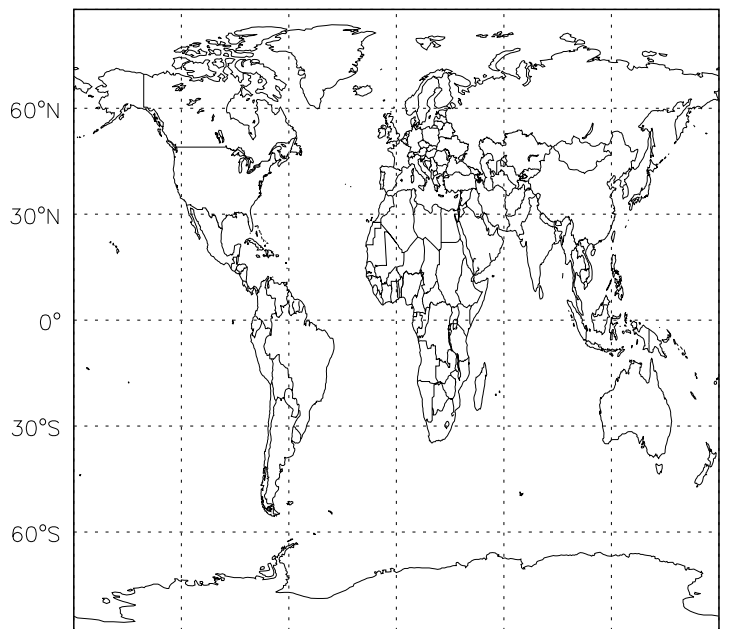




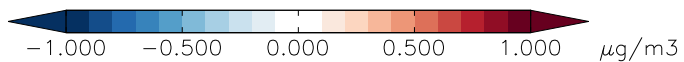
# GEOS-Chem Difference Maps at surface and 500 hPa

v11-01b-Run0 - v10-01-public-Run0

NITs - Diff @ Surface for Apr

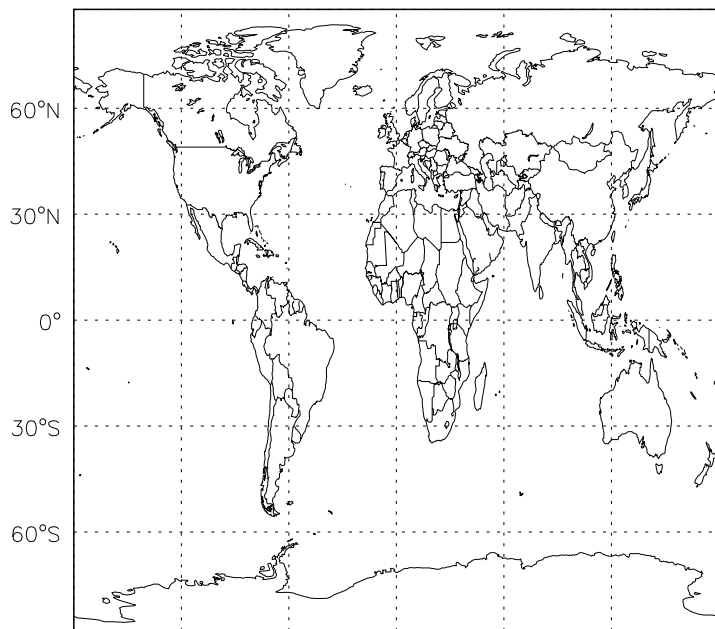


180° 120°W 60°W 0° 60°E 120°E 180°

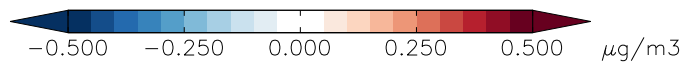


v11-01b-Run0 - v10-01-public-Run0

NITs- Diff @ 500 hPa for Apr

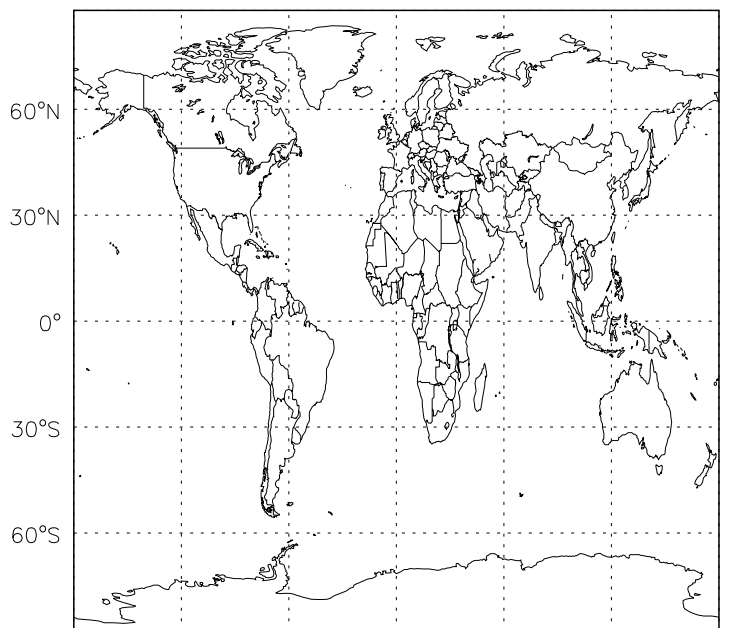


180° 120°W 60°W 0° 60°E 120°E 180°

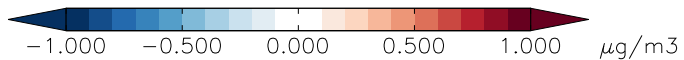


v11-01b-Run0 - v10-01i-geosfp-Run0

NITs - Diff @ Surface for Apr

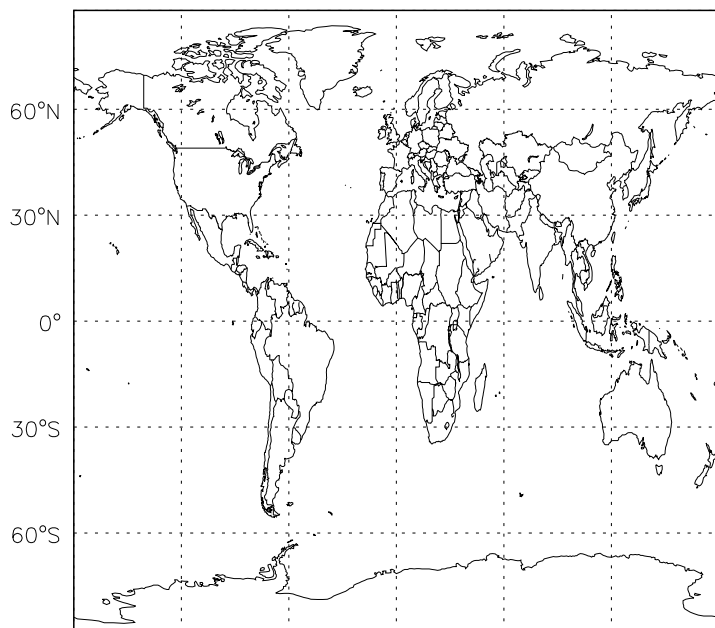


180° 120°W 60°W 0° 60°E 120°E 180°

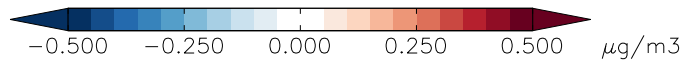


v11-01b-Run0 - v10-01i-geosfp-Run0

NITs- Diff @ 500 hPa for Apr



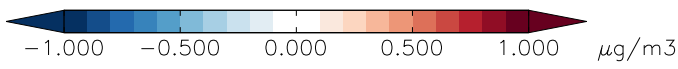
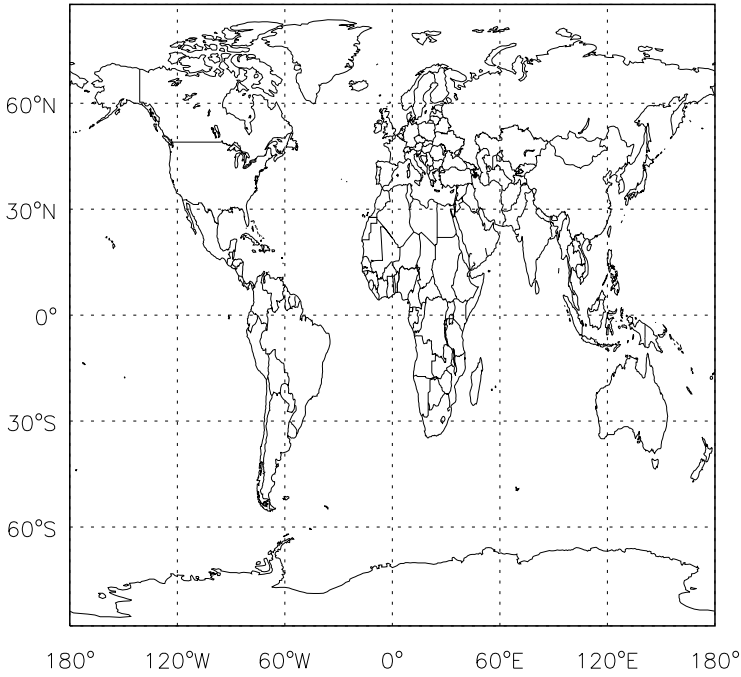
180° 120°W 60°W 0° 60°E 120°E 180°



GEOS-Chem Difference Maps at surface and 500 hPa

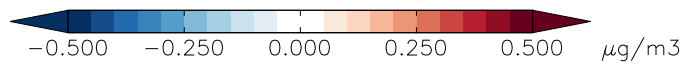
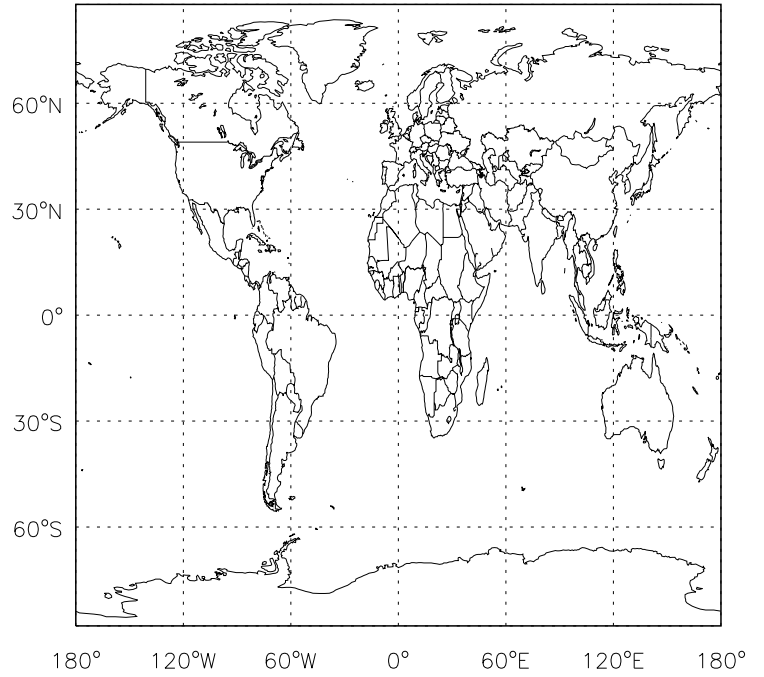
v11-01b-Run0 - v10-01-public-Run0

BCPI - Diff @ Surface for Apr



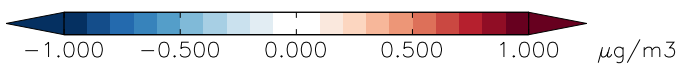
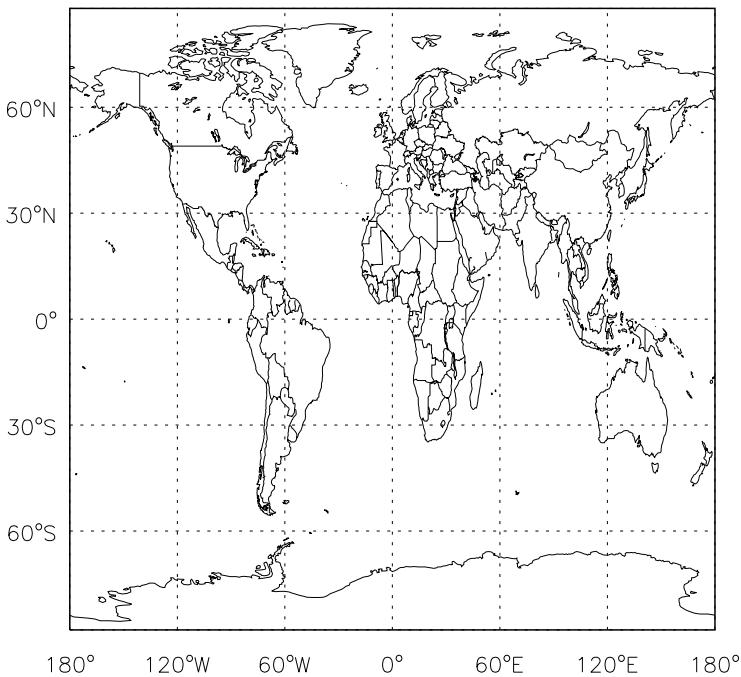
v11-01b-Run0 - v10-01-public-Run0

BCPI- Diff @ 500 hPa for Apr



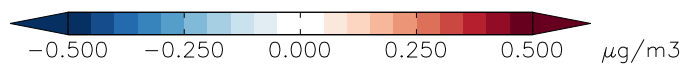
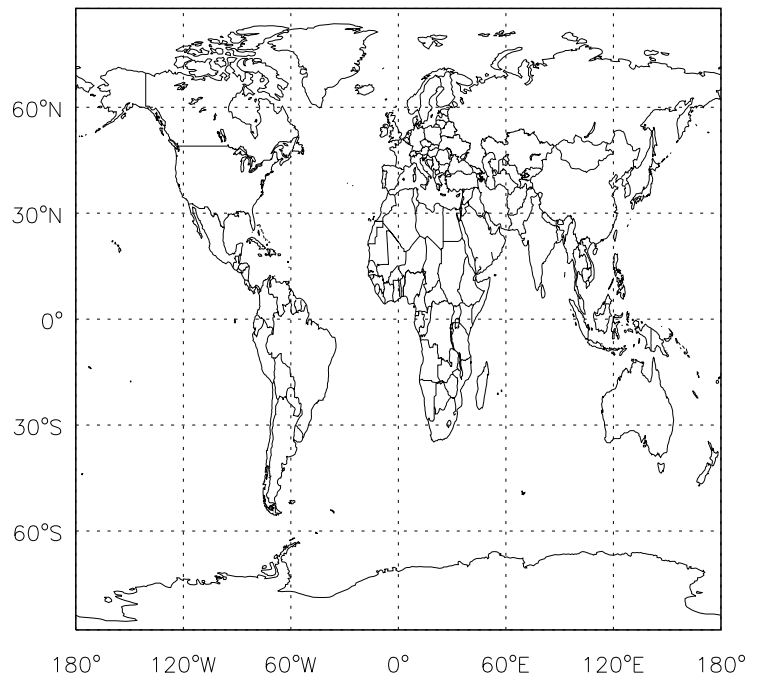
v11-01b-Run0 - v10-01i-geosfp-Run0

BCPI - Diff @ Surface for Apr



v11-01b-Run0 - v10-01i-geosfp-Run0

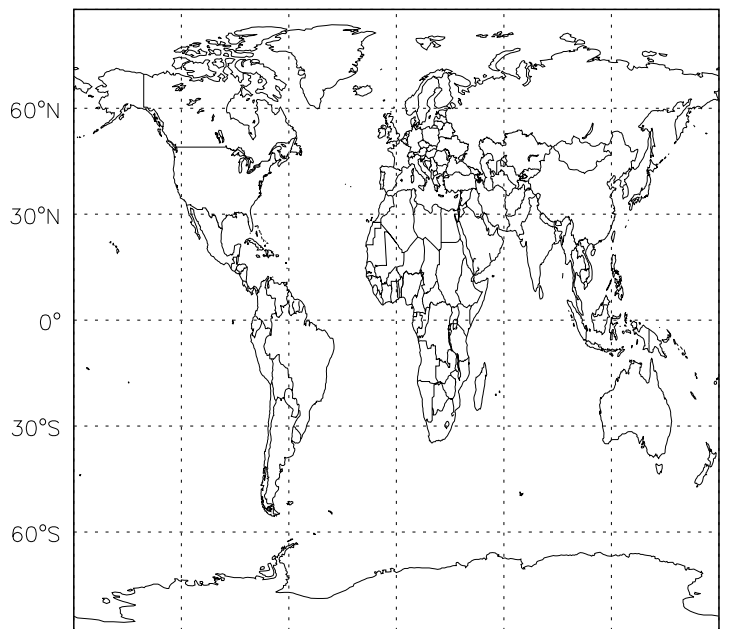
BCPI- Diff @ 500 hPa for Apr



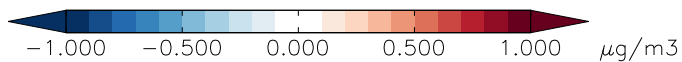
# GEOS-Chem Difference Maps at surface and 500 hPa

v11-01b-Run0 - v10-01-public-Run0

OCPI - Diff @ Surface for Apr

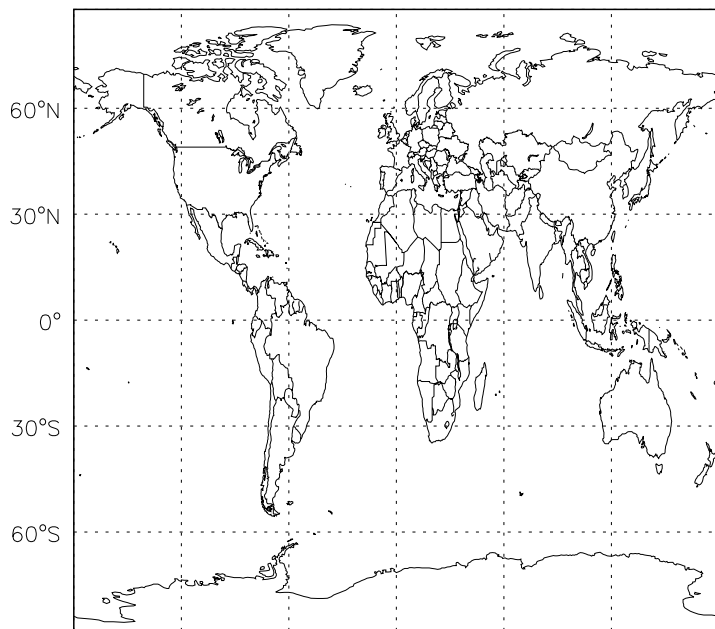


180° 120°W 60°W 0° 60°E 120°E 180°

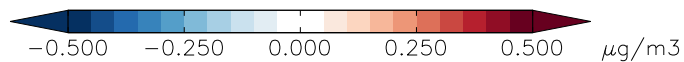


v11-01b-Run0 - v10-01-public-Run0

OCPI- Diff @ 500 hPa for Apr

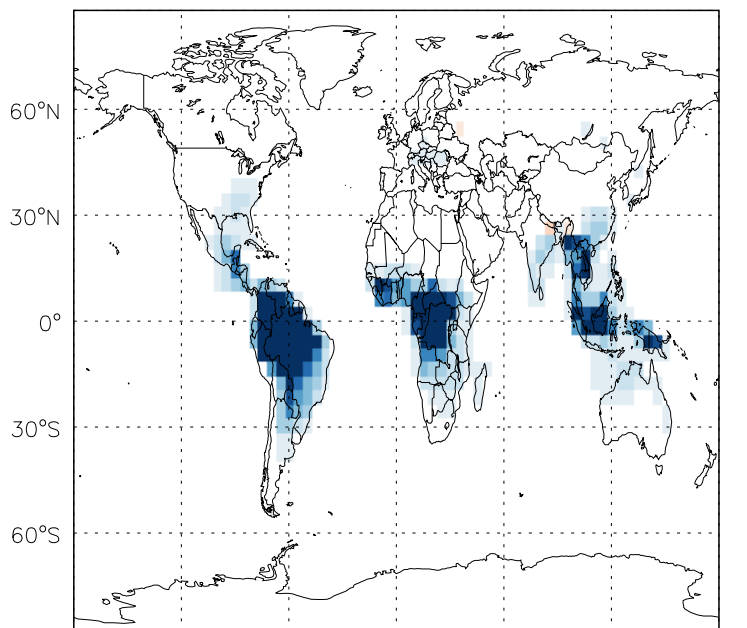


180° 120°W 60°W 0° 60°E 120°E 180°

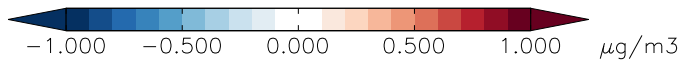


v11-01b-Run0 - v10-01i-geosfp-Run0

OCPI - Diff @ Surface for Apr

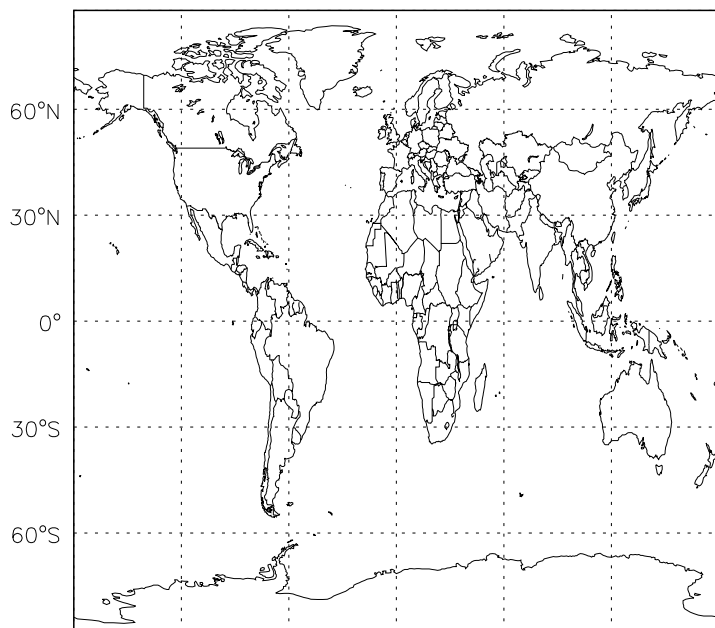


180° 120°W 60°W 0° 60°E 120°E 180°

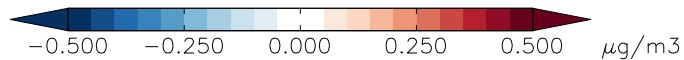


v11-01b-Run0 - v10-01i-geosfp-Run0

OCPI- Diff @ 500 hPa for Apr



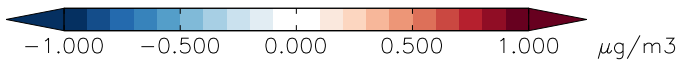
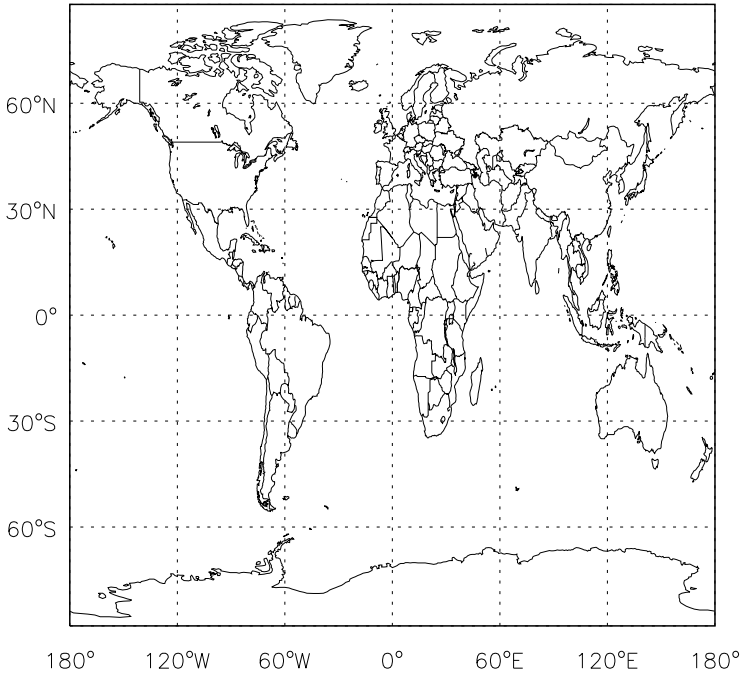
180° 120°W 60°W 0° 60°E 120°E 180°



# GEOS-Chem Difference Maps at surface and 500 hPa

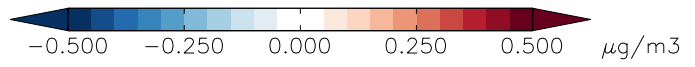
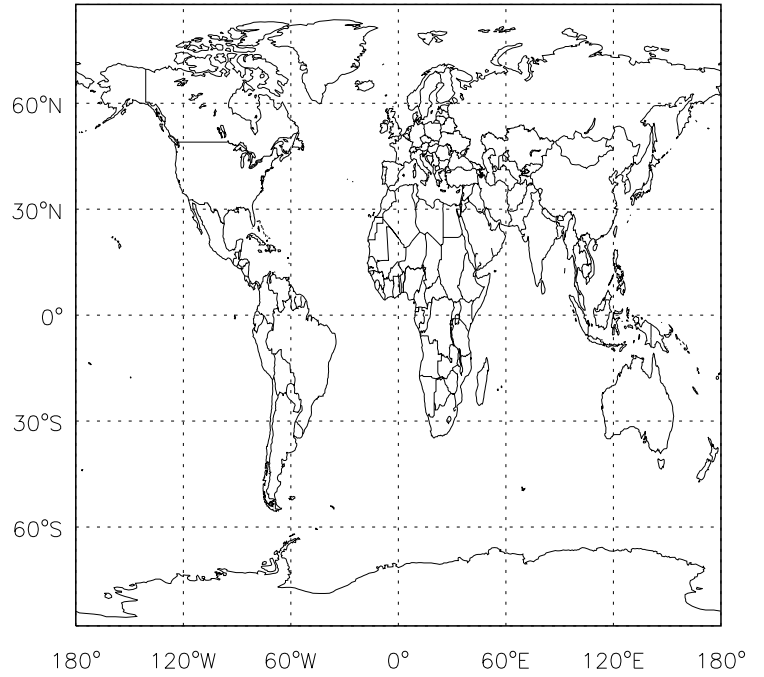
v11-01b-Run0 - v10-01-public-Run0

BCPO - Diff @ Surface for Apr



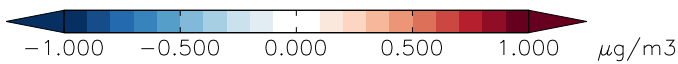
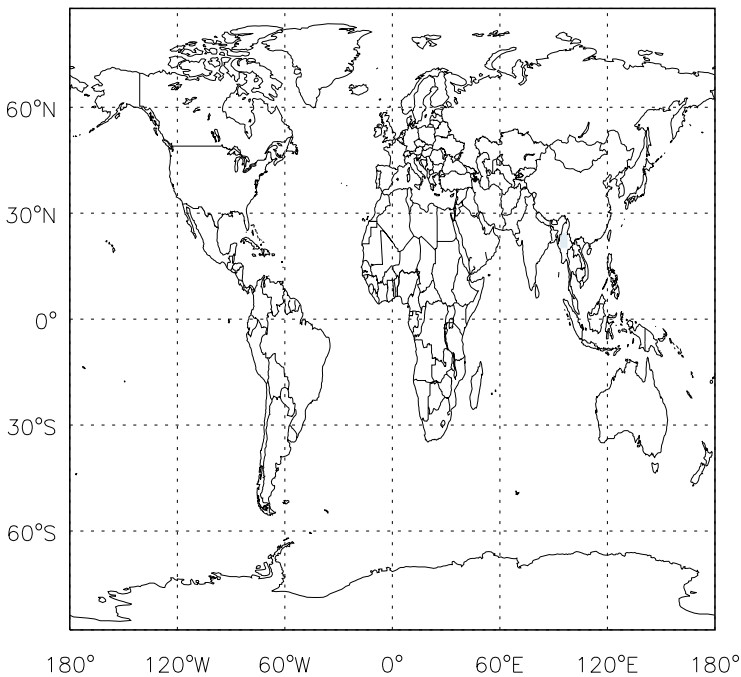
v11-01b-Run0 - v10-01-public-Run0

BCPO- Diff @ 500 hPa for Apr



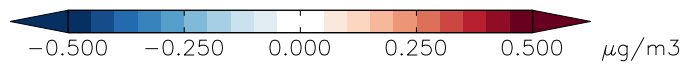
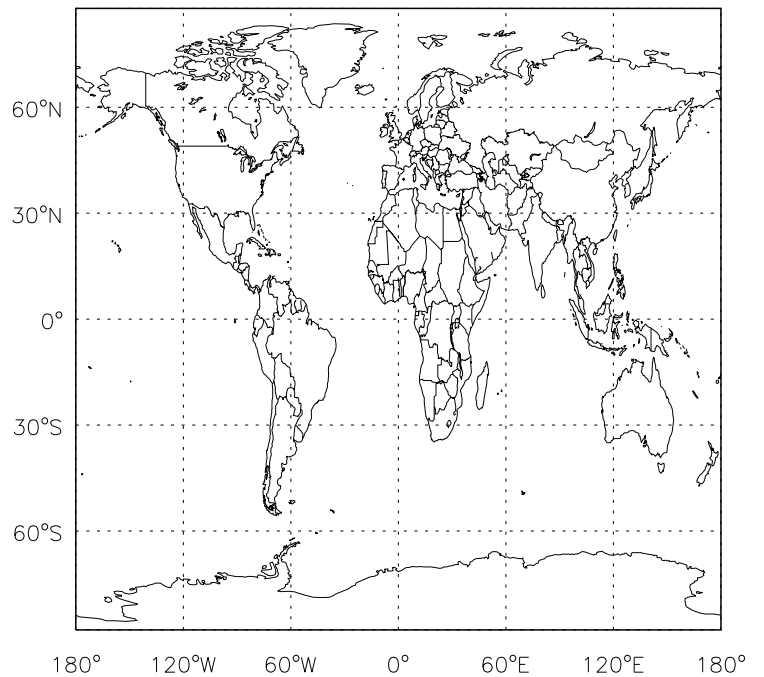
v11-01b-Run0 - v10-01i-geosfp-Run0

BCPO - Diff @ Surface for Apr



v11-01b-Run0 - v10-01i-geosfp-Run0

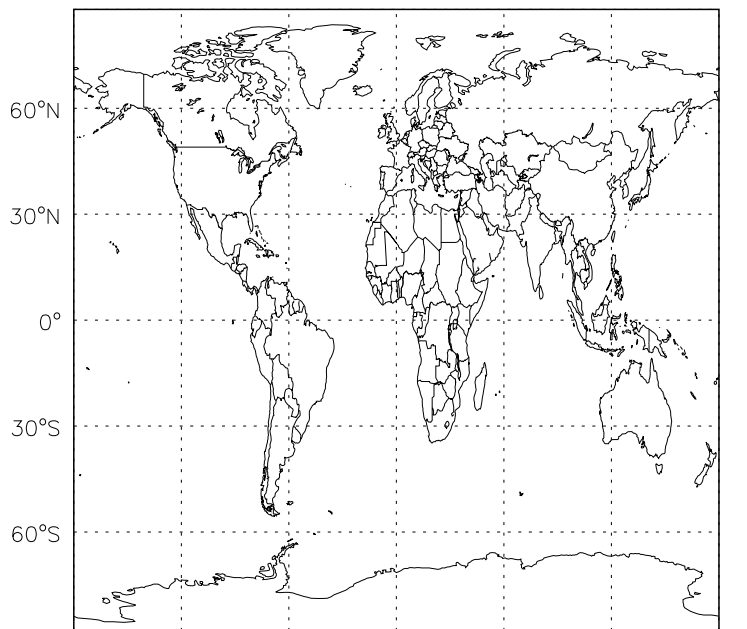
BCPO- Diff @ 500 hPa for Apr



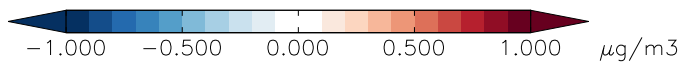
# GEOS-Chem Difference Maps at surface and 500 hPa

v11-01b-Run0 - v10-01-public-Run0

OCPO - Diff @ Surface for Apr

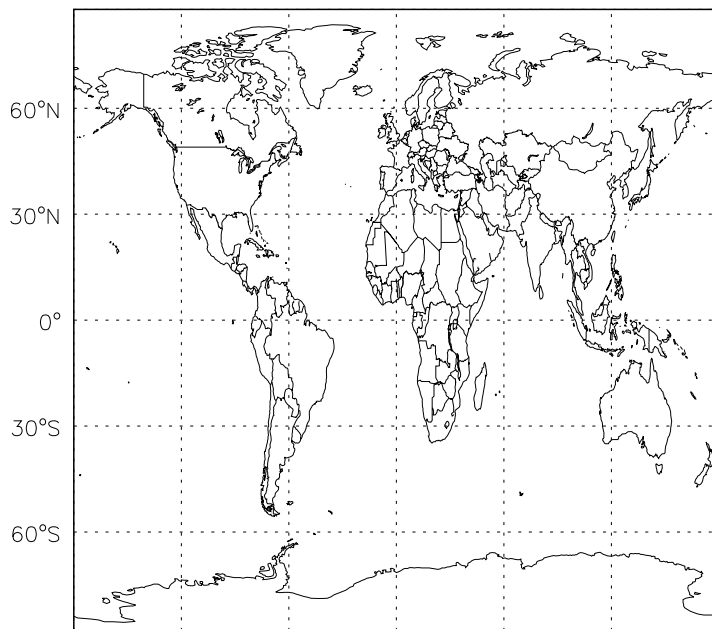


180° 120°W 60°W 0° 60°E 120°E 180°

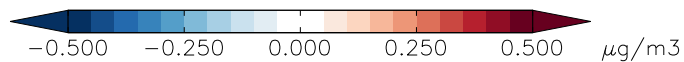


v11-01b-Run0 - v10-01-public-Run0

OCPO- Diff @ 500 hPa for Apr

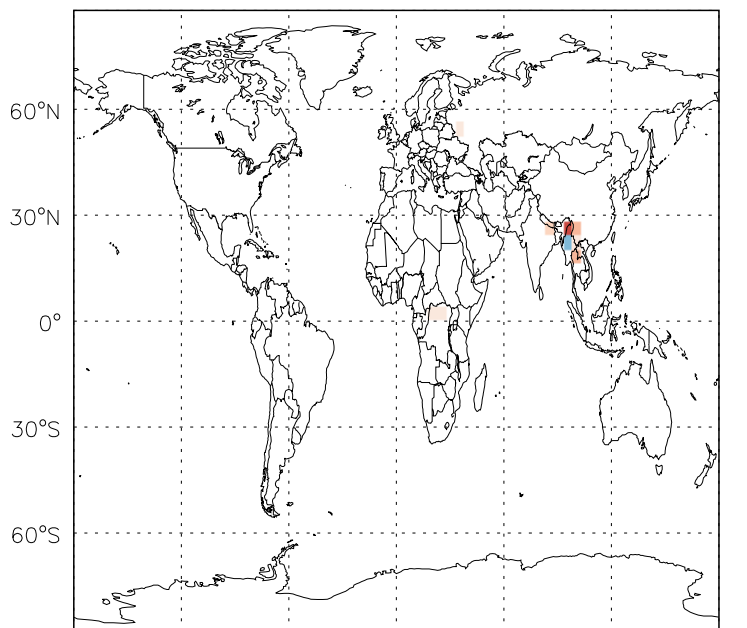


180° 120°W 60°W 0° 60°E 120°E 180°

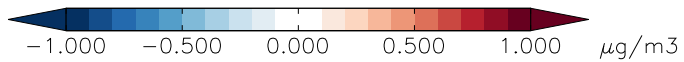


v11-01b-Run0 - v10-01i-geosfp-Run0

OCPO - Diff @ Surface for Apr

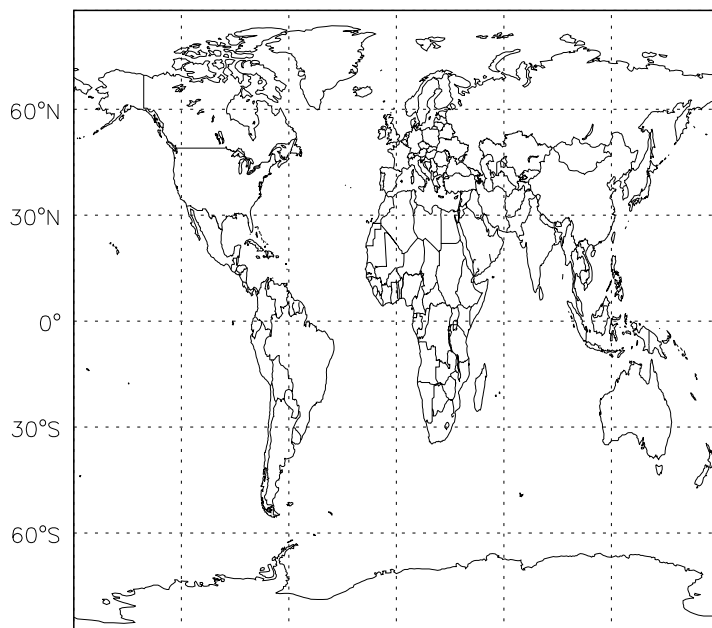


180° 120°W 60°W 0° 60°E 120°E 180°

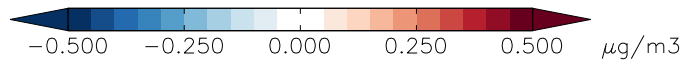


v11-01b-Run0 - v10-01i-geosfp-Run0

OCPO- Diff @ 500 hPa for Apr



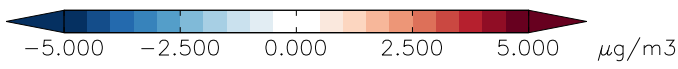
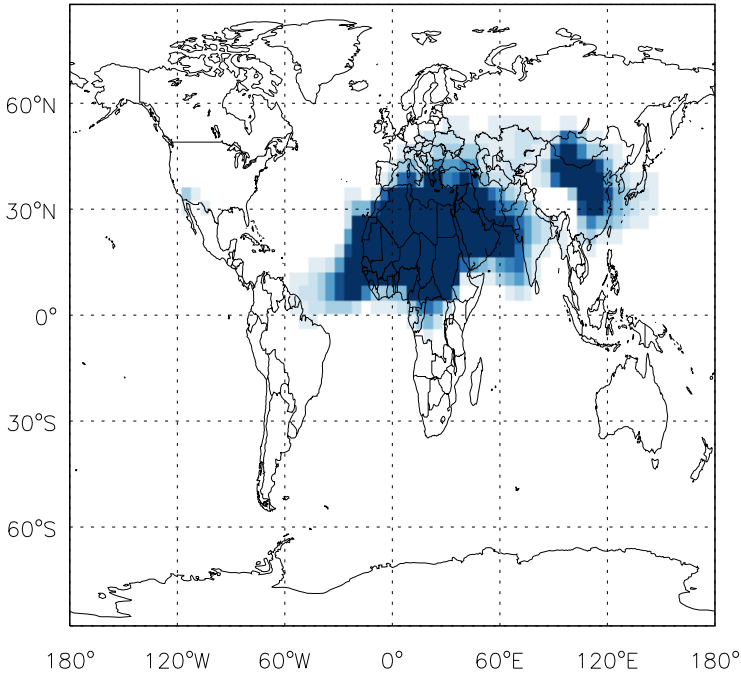
180° 120°W 60°W 0° 60°E 120°E 180°



GEOS-Chem Difference Maps at surface and 500 hPa

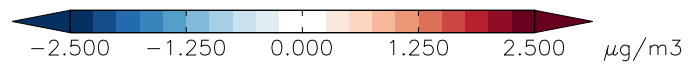
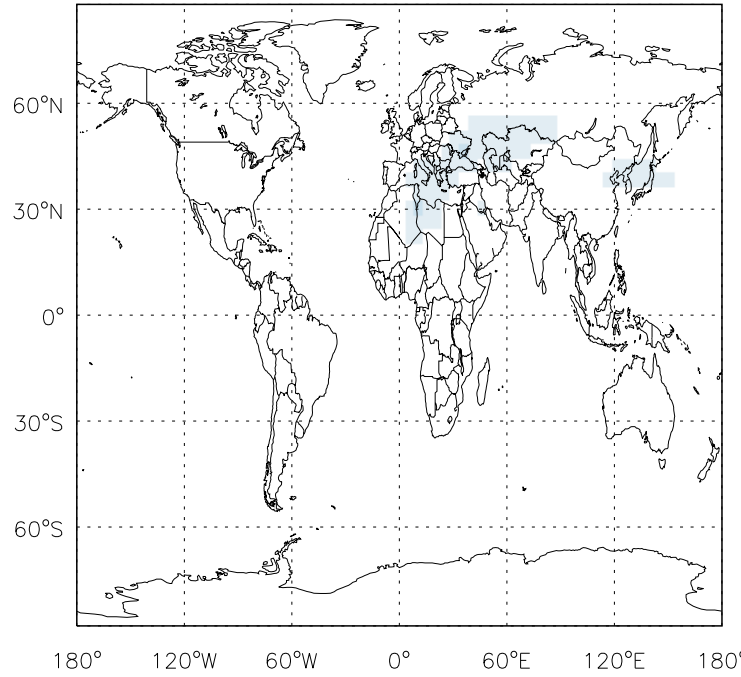
v11-01b-Run0 - v10-01-public-Run0

DST1 - Diff @ Surface for Apr



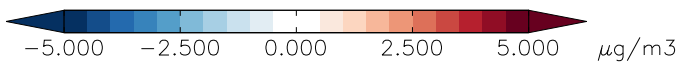
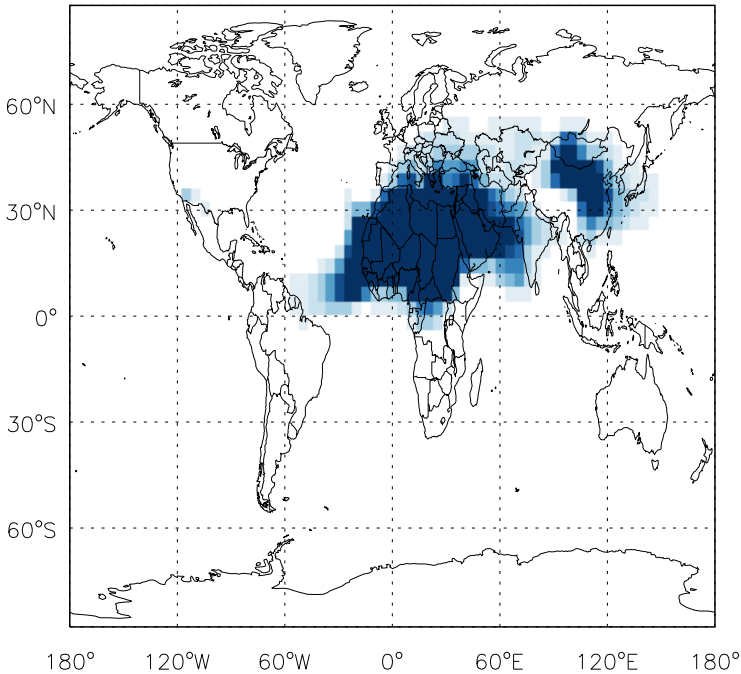
v11-01b-Run0 - v10-01-public-Run0

DST1 - Diff @ 500 hPa for Apr



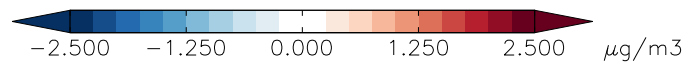
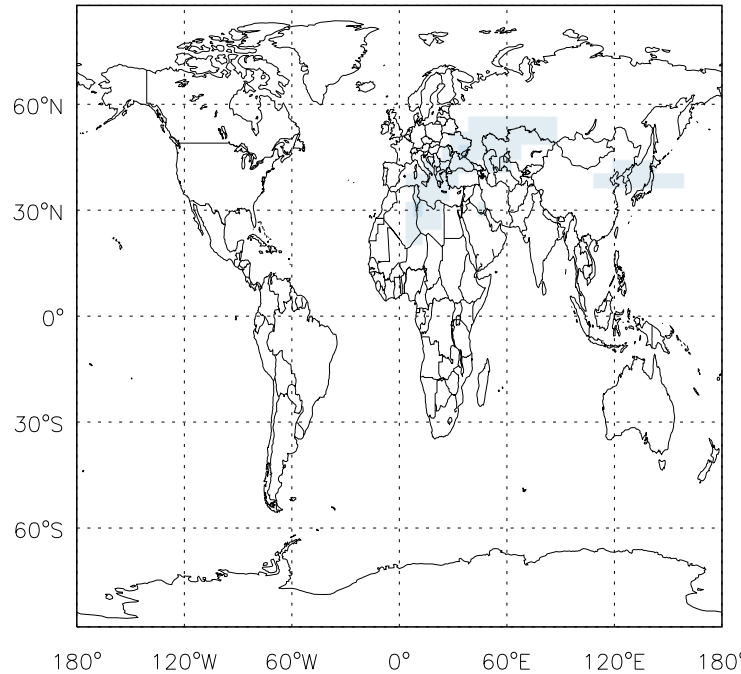
v11-01b-Run0 - v10-01i-geosfp-Run0

DST1 - Diff @ Surface for Apr



v11-01b-Run0 - v10-01i-geosfp-Run0

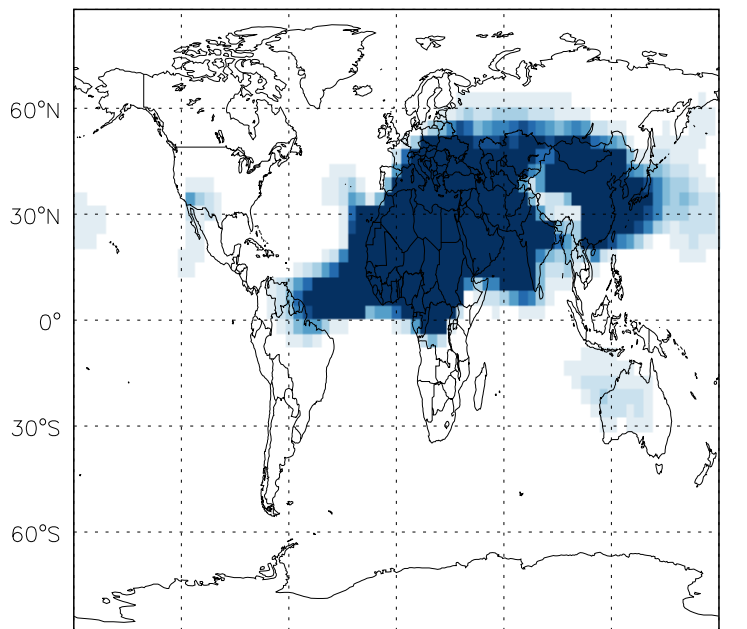
DST1 - Diff @ 500 hPa for Apr



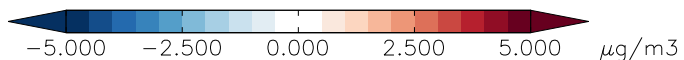
# GEOS-Chem Difference Maps at surface and 500 hPa

v11-01b-Run0 - v10-01-public-Run0

DST2 - Diff @ Surface for Apr

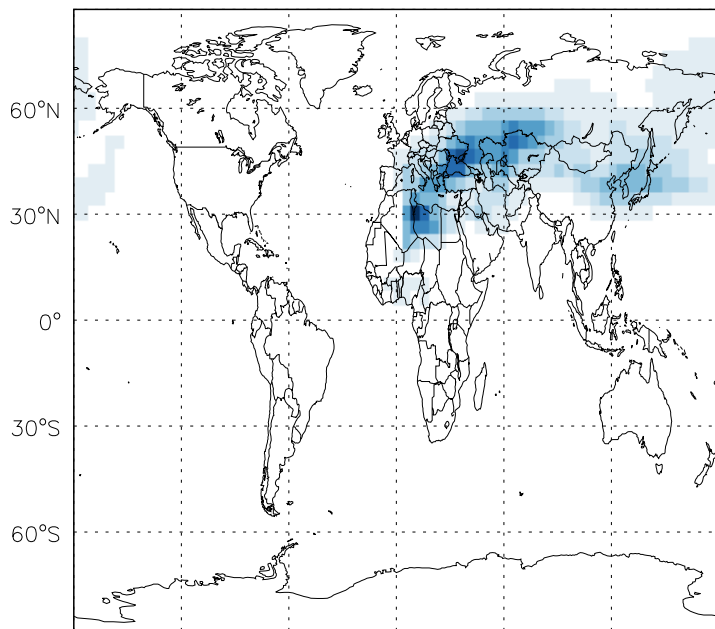


180° 120°W 60°W 0° 60°E 120°E 180°

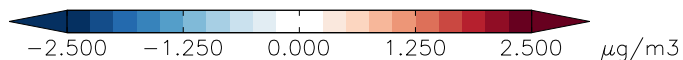


v11-01b-Run0 - v10-01-public-Run0

DST2- Diff @ 500 hPa for Apr

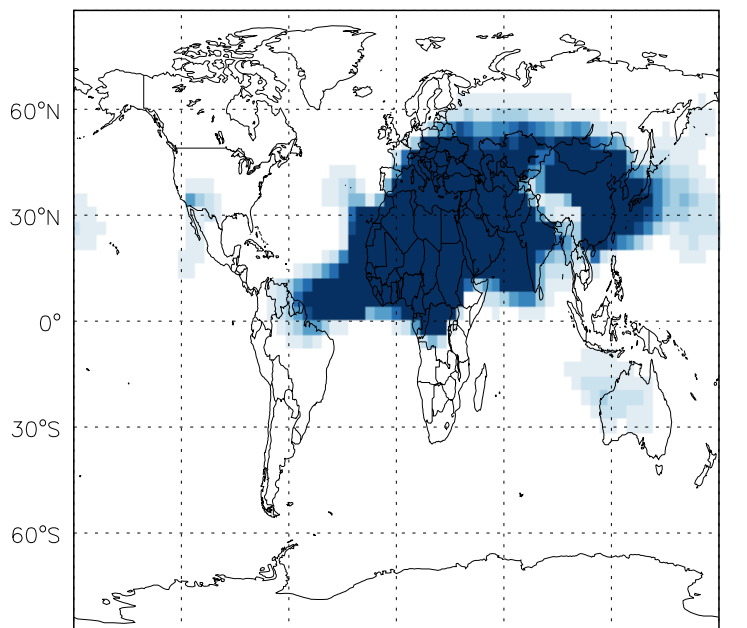


180° 120°W 60°W 0° 60°E 120°E 180°

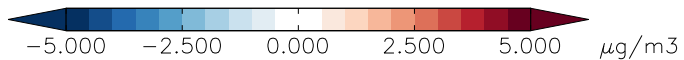


v11-01b-Run0 - v10-01i-geosfp-Run0

DST2 - Diff @ Surface for Apr

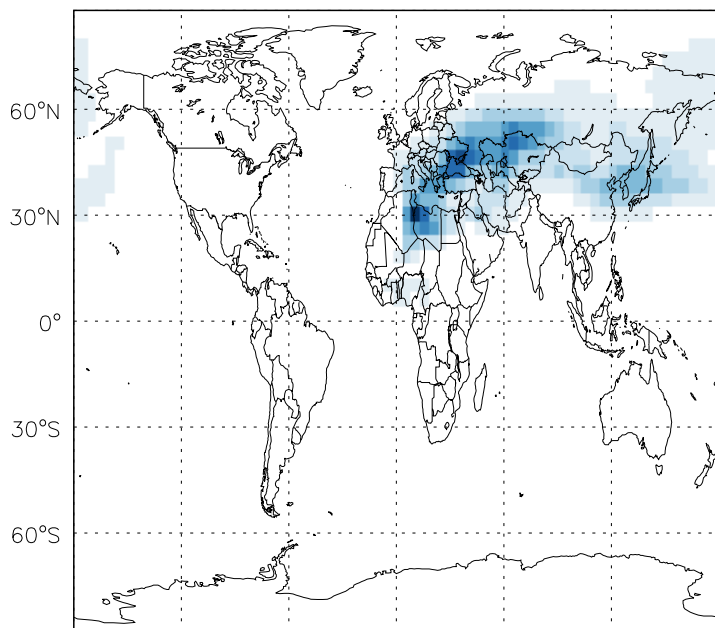


180° 120°W 60°W 0° 60°E 120°E 180°

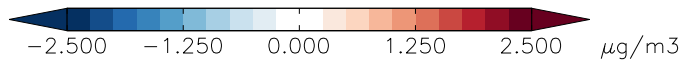


v11-01b-Run0 - v10-01i-geosfp-Run0

DST2- Diff @ 500 hPa for Apr



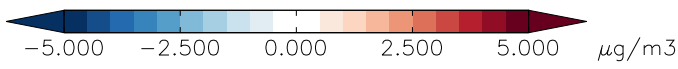
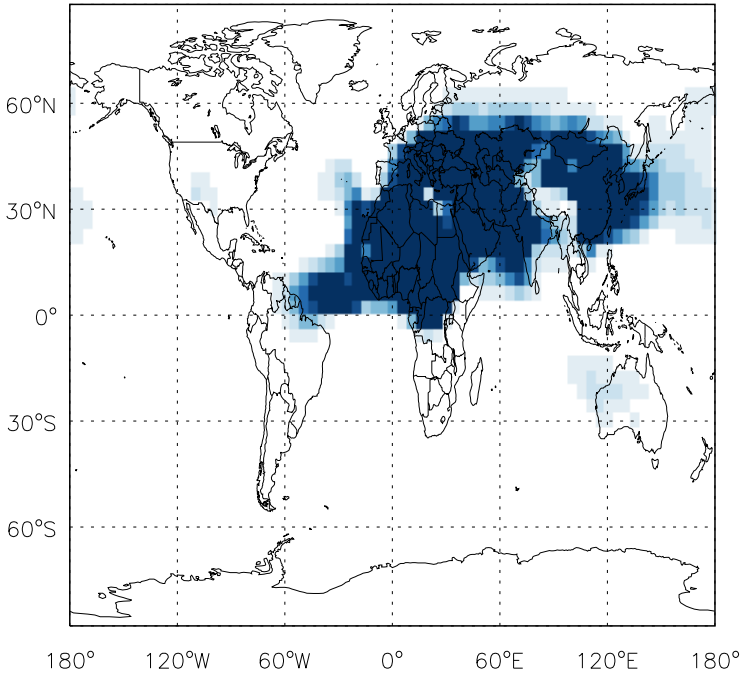
180° 120°W 60°W 0° 60°E 120°E 180°



# GEOS-Chem Difference Maps at surface and 500 hPa

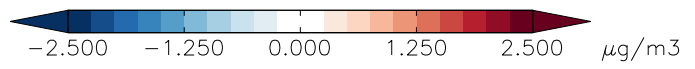
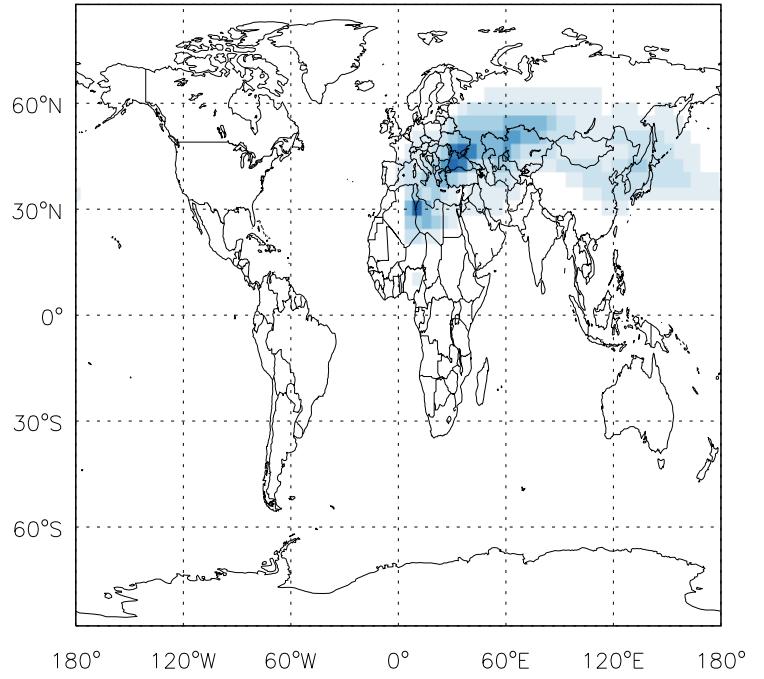
v11-01b-Run0 - v10-01-public-Run0

DST3 - Diff @ Surface for Apr



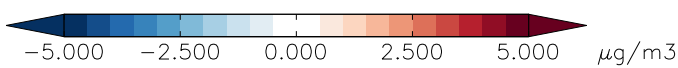
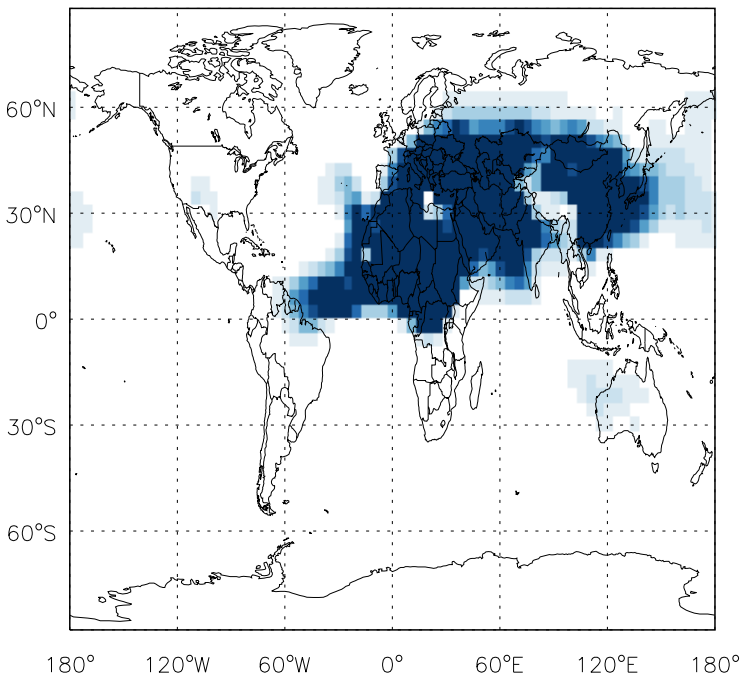
v11-01b-Run0 - v10-01-public-Run0

DST3- Diff @ 500 hPa for Apr



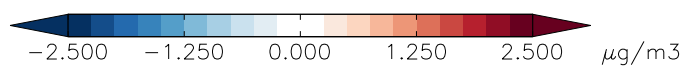
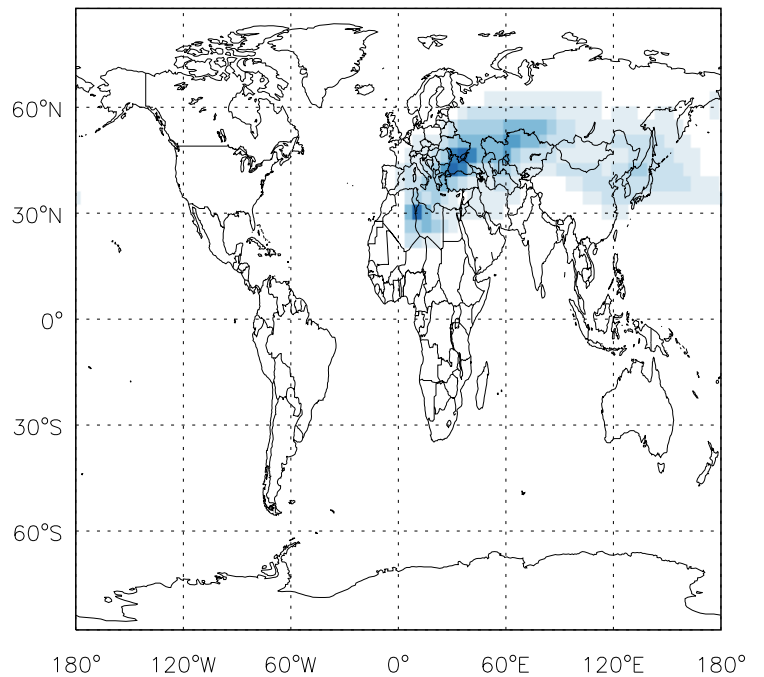
v11-01b-Run0 - v10-01i-geosfp-Run0

DST3 - Diff @ Surface for Apr



v11-01b-Run0 - v10-01i-geosfp-Run0

DST3- Diff @ 500 hPa for Apr

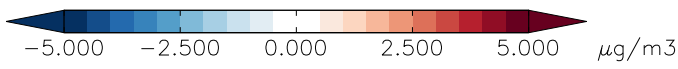
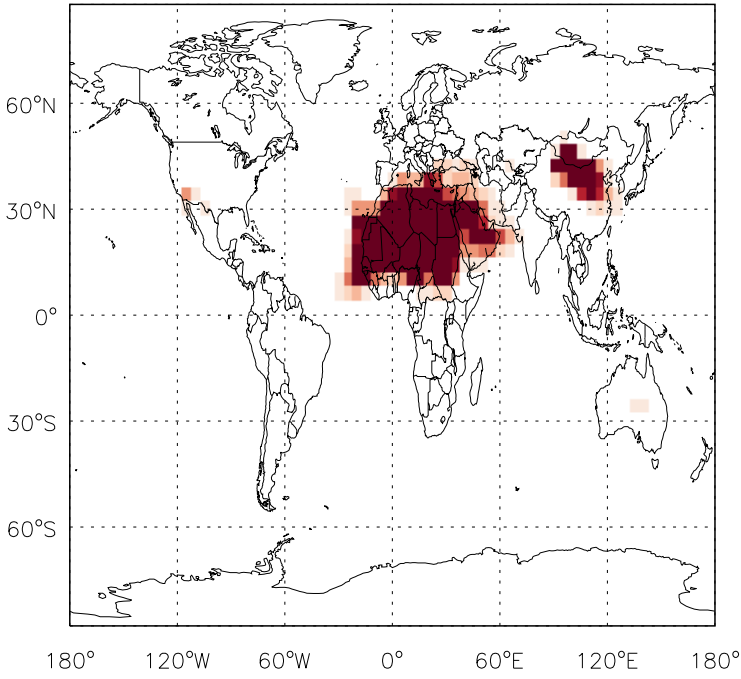




# GEOS-Chem Difference Maps at surface and 500 hPa

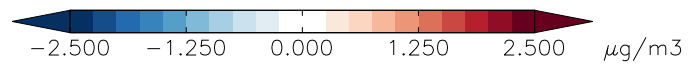
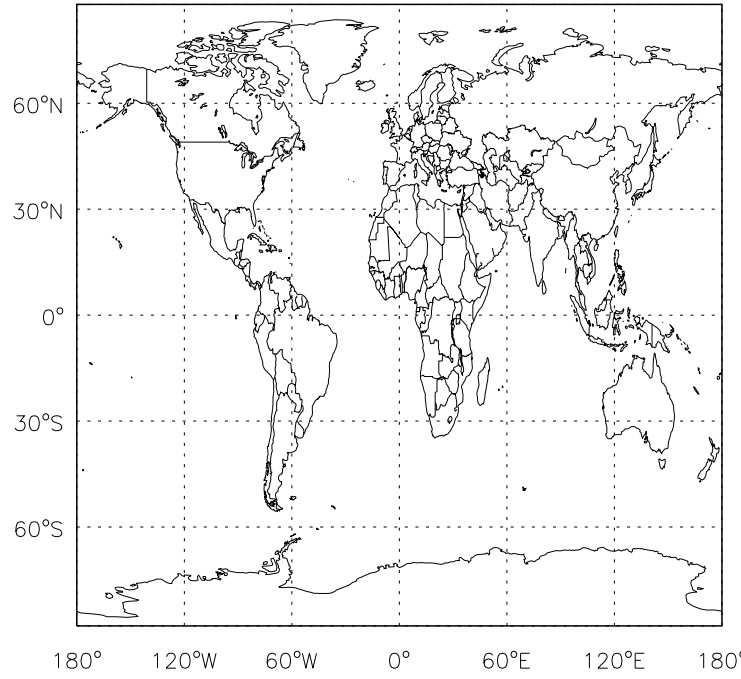
v11-01b-Run0 - v10-01-public-Run0

DST4 - Diff @ Surface for Apr



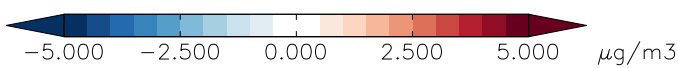
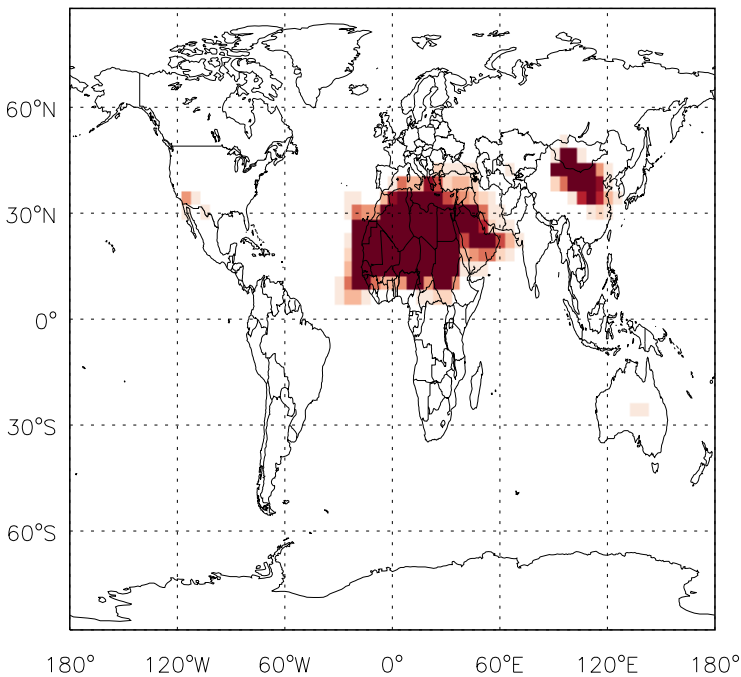
v11-01b-Run0 - v10-01-public-Run0

DST4- Diff @ 500 hPa for Apr



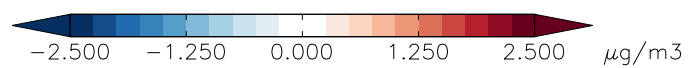
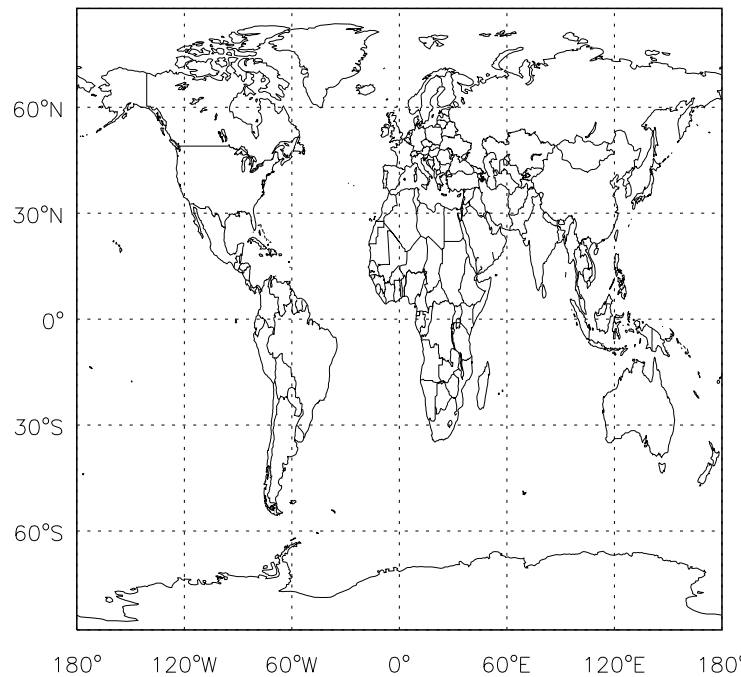
v11-01b-Run0 - v10-01i-geosfp-Run0

DST4 - Diff @ Surface for Apr



v11-01b-Run0 - v10-01i-geosfp-Run0

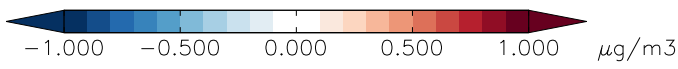
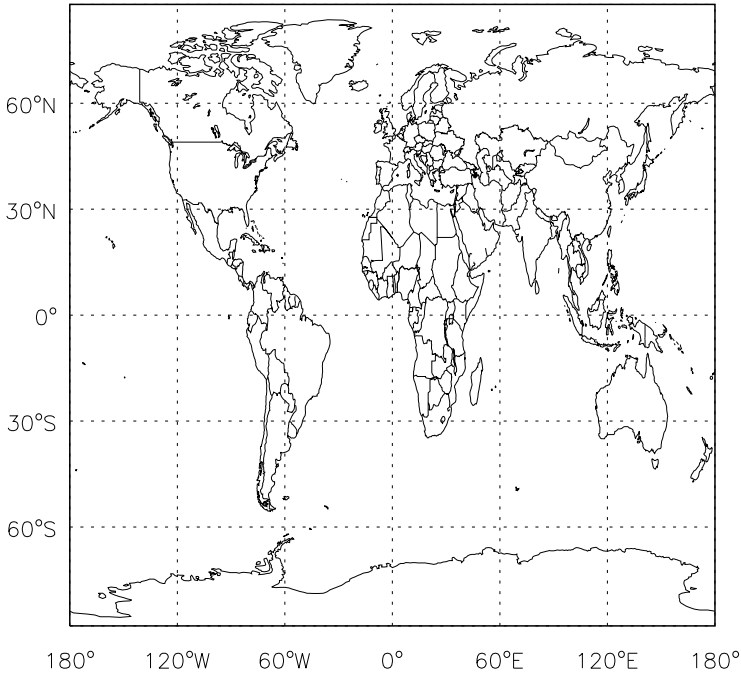
DST4- Diff @ 500 hPa for Apr



GEOS-Chem Difference Maps at surface and 500 hPa

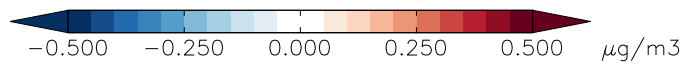
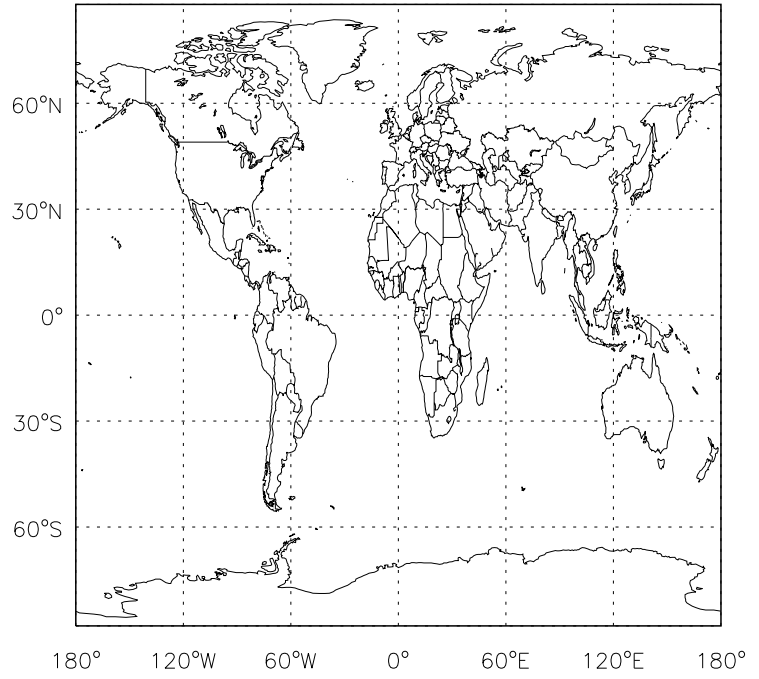
v11-01b-Run0 - v10-01-public-Run0

SALA - Diff @ Surface for Apr



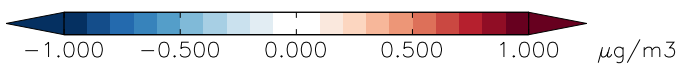
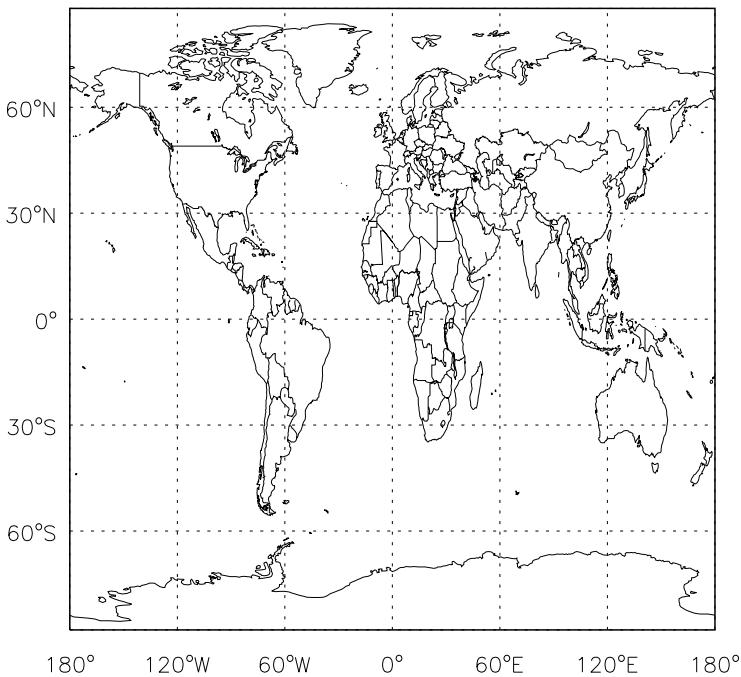
v11-01b-Run0 - v10-01-public-Run0

SALA - Diff @ 500 hPa for Apr



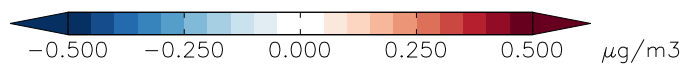
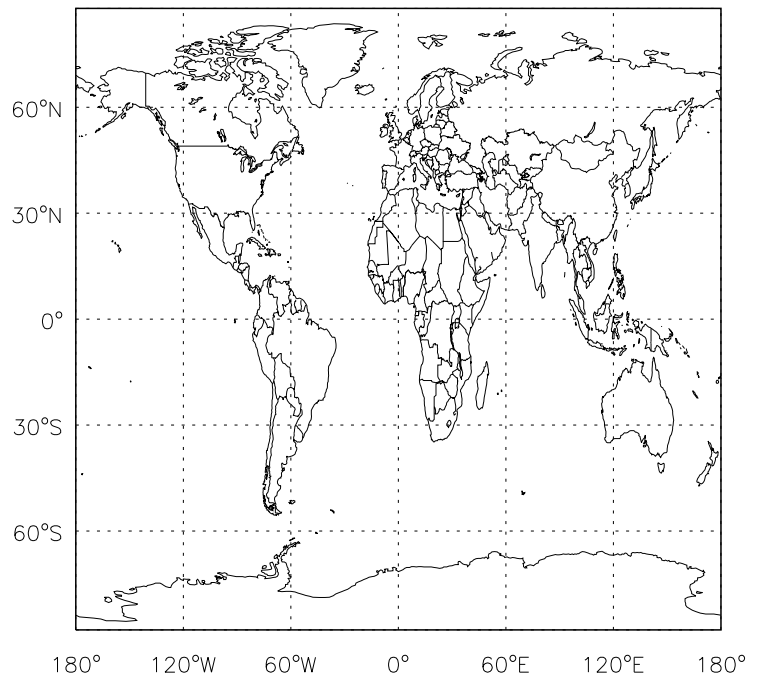
v11-01b-Run0 - v10-01i-geosfp-Run0

SALA - Diff @ Surface for Apr



v11-01b-Run0 - v10-01i-geosfp-Run0

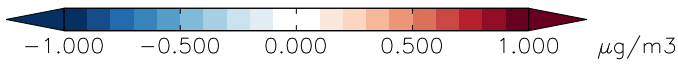
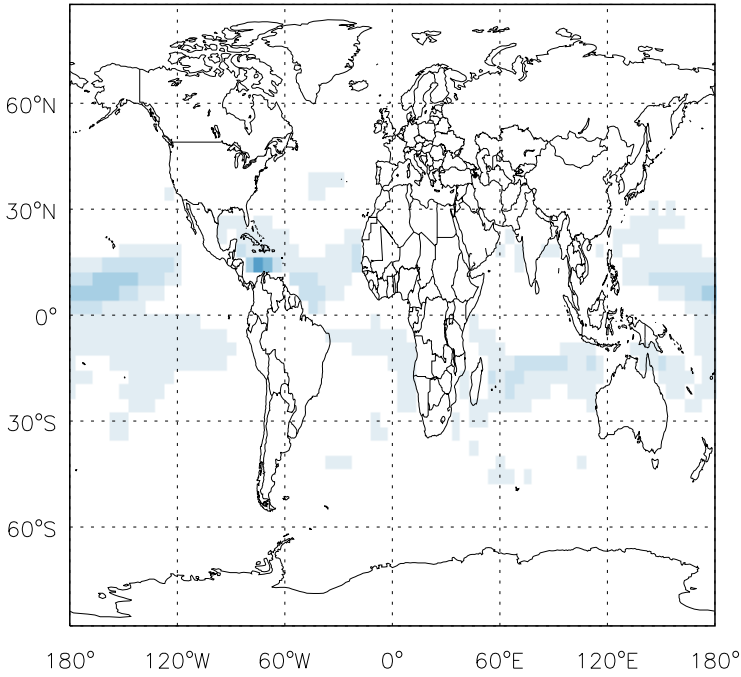
SALA - Diff @ 500 hPa for Apr



GEOS-Chem Difference Maps at surface and 500 hPa

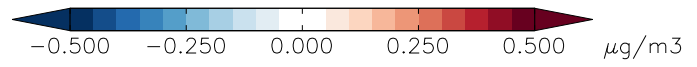
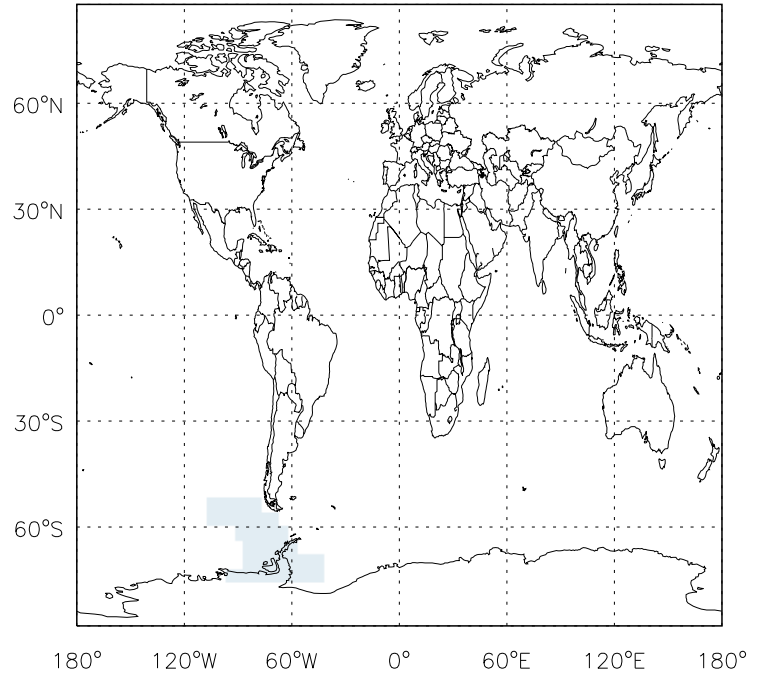
v11-01b-Run0 - v10-01-public-Run0

SALC - Diff @ Surface for Apr



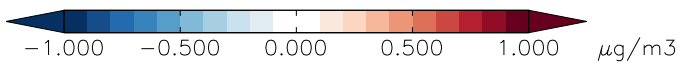
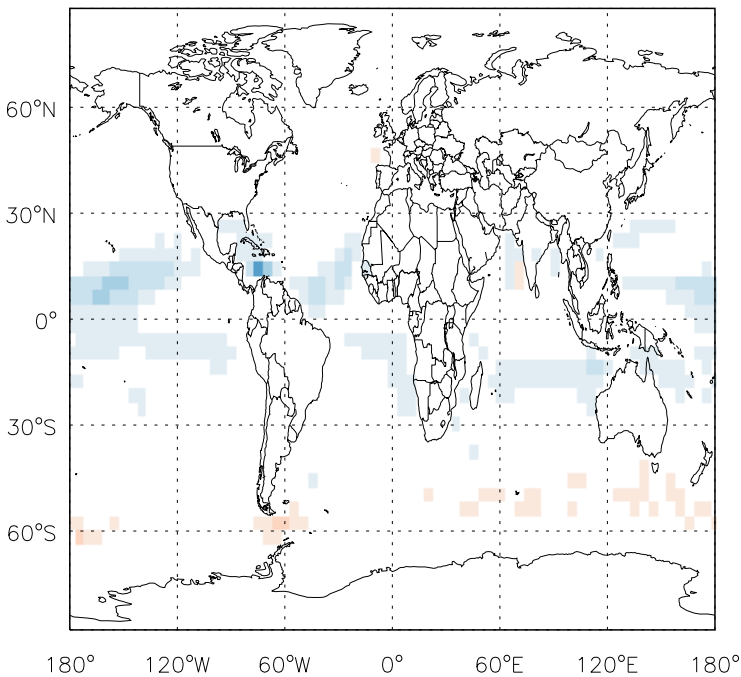
v11-01b-Run0 - v10-01-public-Run0

SALC - Diff @ 500 hPa for Apr



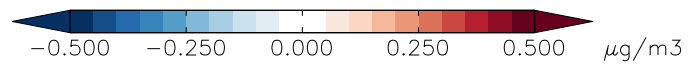
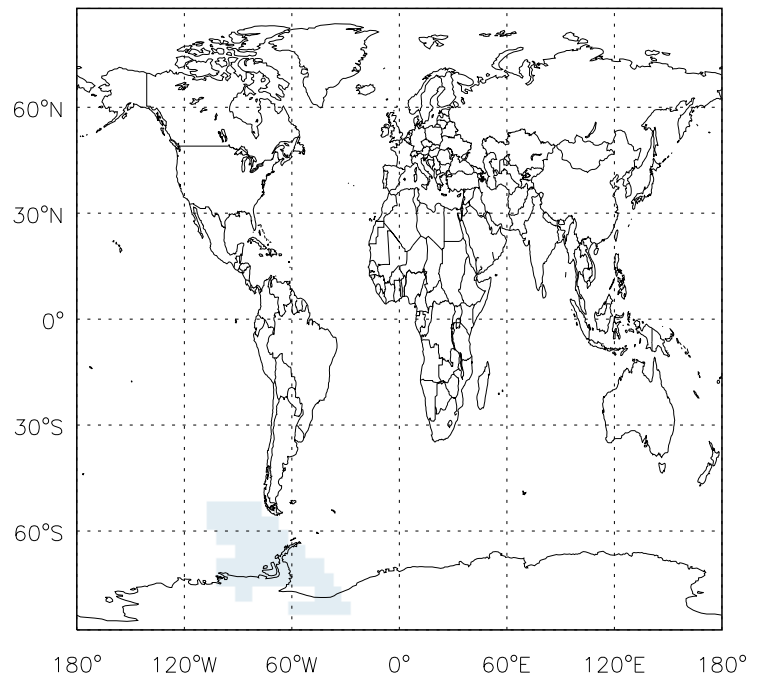
v11-01b-Run0 - v10-01i-geosfp-Run0

SALC - Diff @ Surface for Apr



v11-01b-Run0 - v10-01i-geosfp-Run0

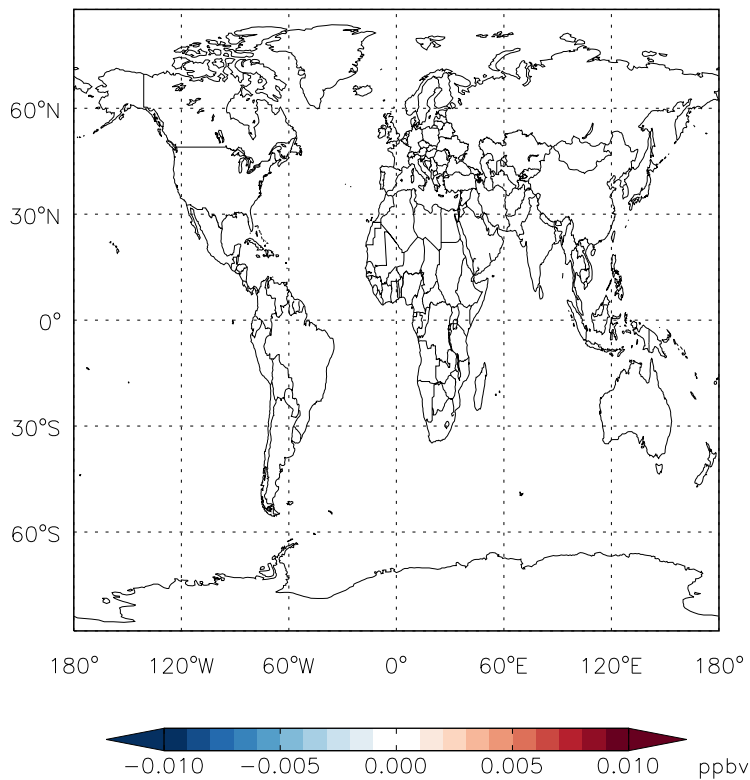
SALC - Diff @ 500 hPa for Apr



# GEOS-Chem Difference Maps at surface and 500 hPa

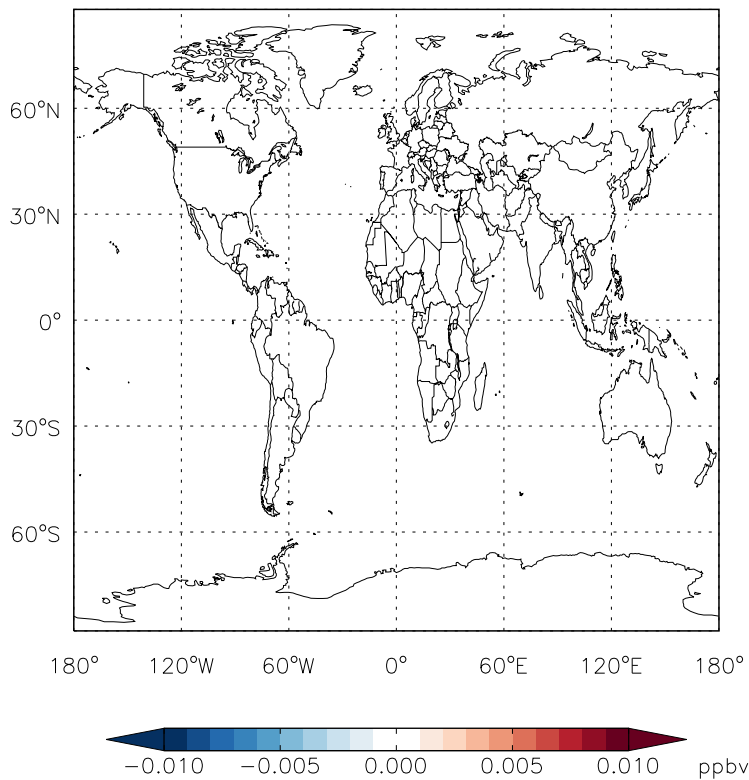
v11-01b-Run0 - v10-01-public-Run0

Br2 - Diff @ Surface for Apr



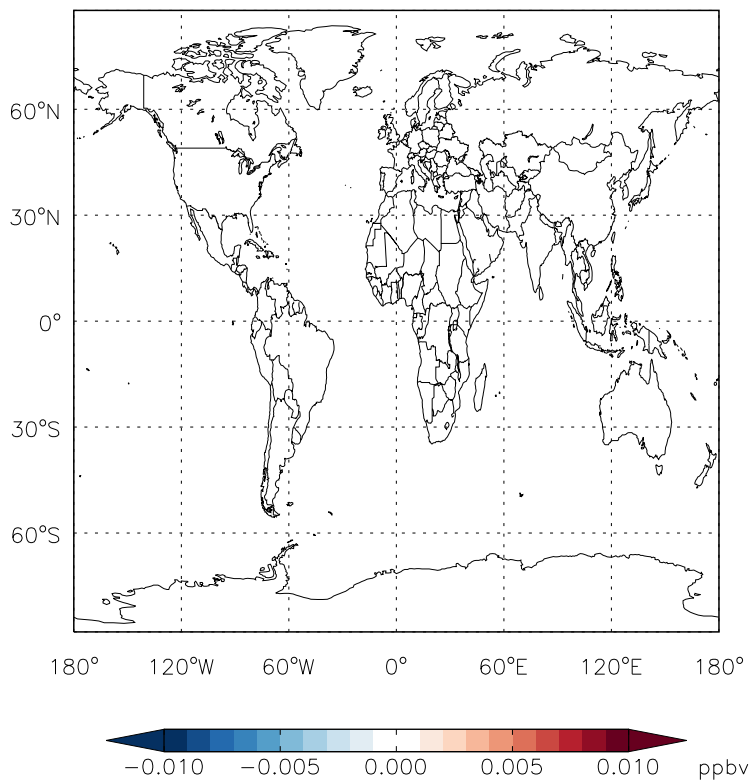
v11-01b-Run0 - v10-01-public-Run0

Br2- Diff @ 500 hPa for Apr



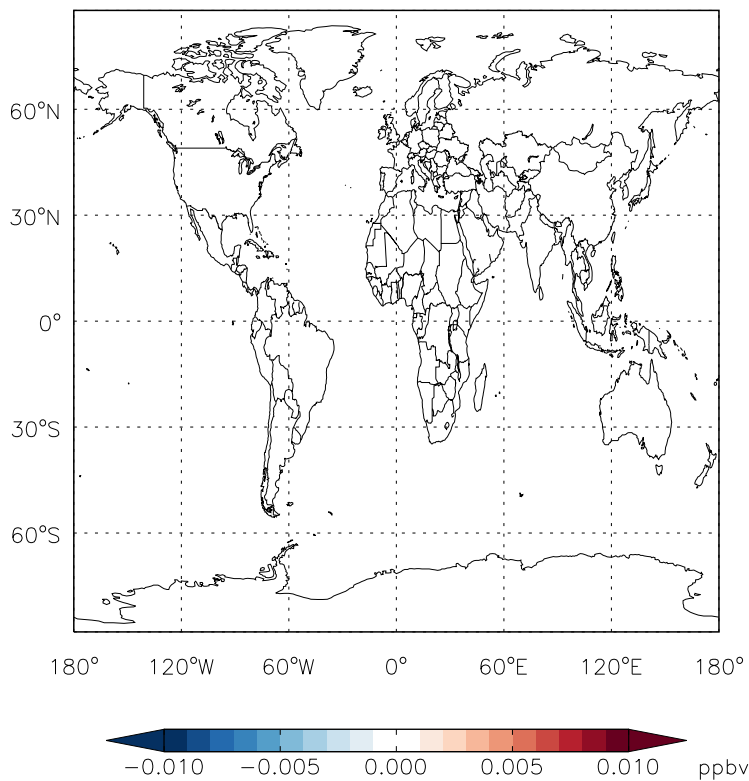
v11-01b-Run0 - v10-01i-geosfp-Run0

Br2 - Diff @ Surface for Apr



v11-01b-Run0 - v10-01i-geosfp-Run0

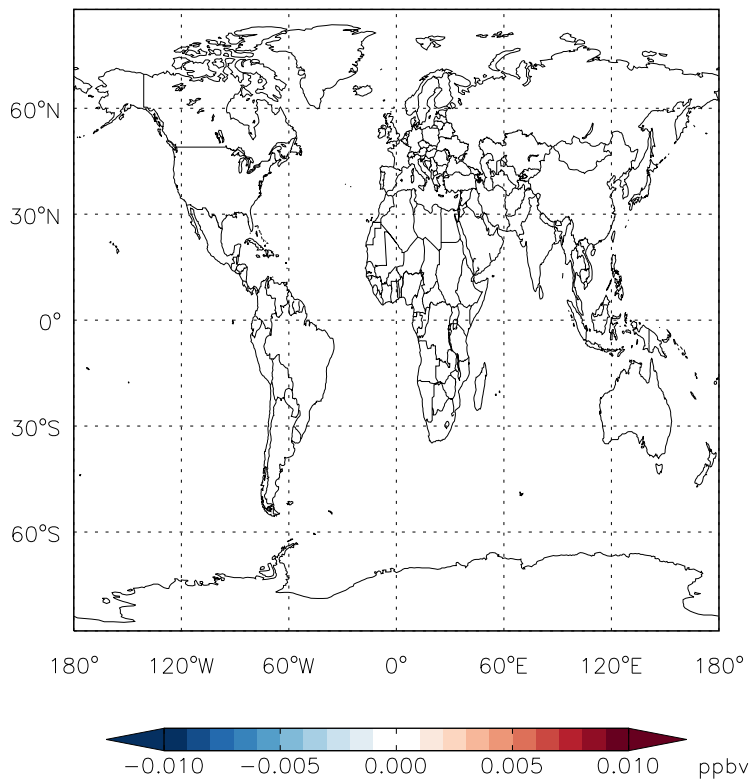
Br2- Diff @ 500 hPa for Apr



# GEOS-Chem Difference Maps at surface and 500 hPa

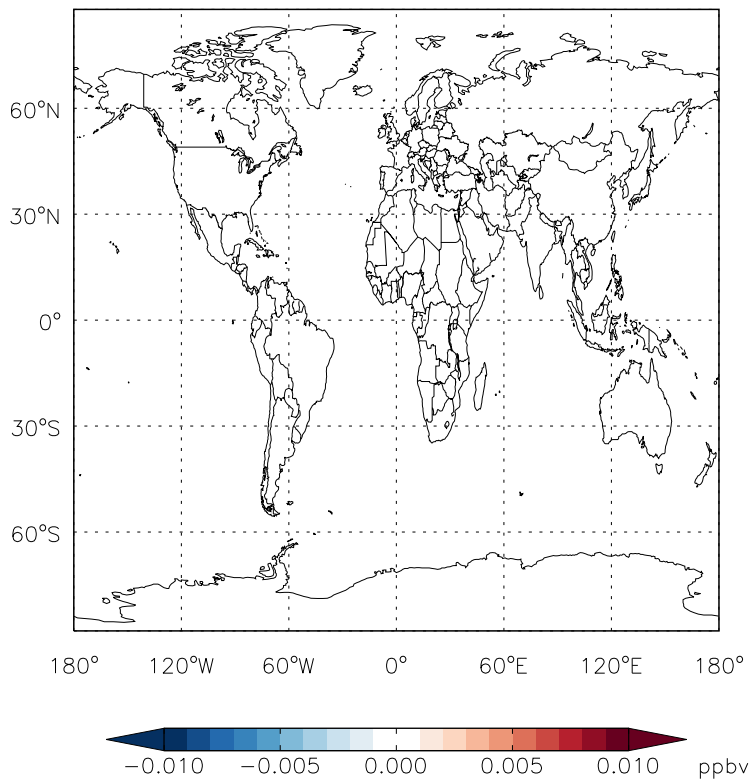
v11-01b-Run0 - v10-01-public-Run0

Br - Diff @ Surface for Apr



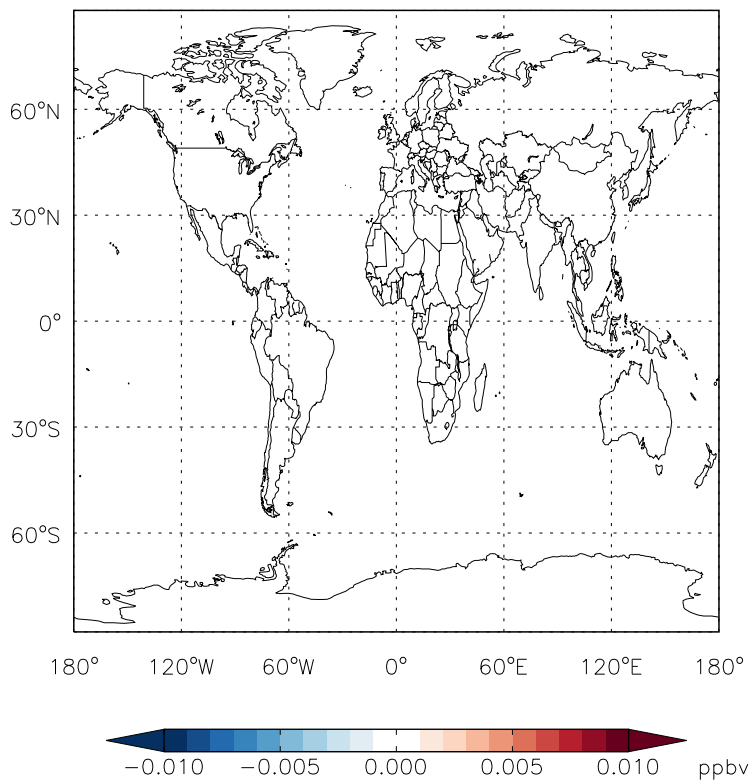
v11-01b-Run0 - v10-01-public-Run0

Br - Diff @ 500 hPa for Apr



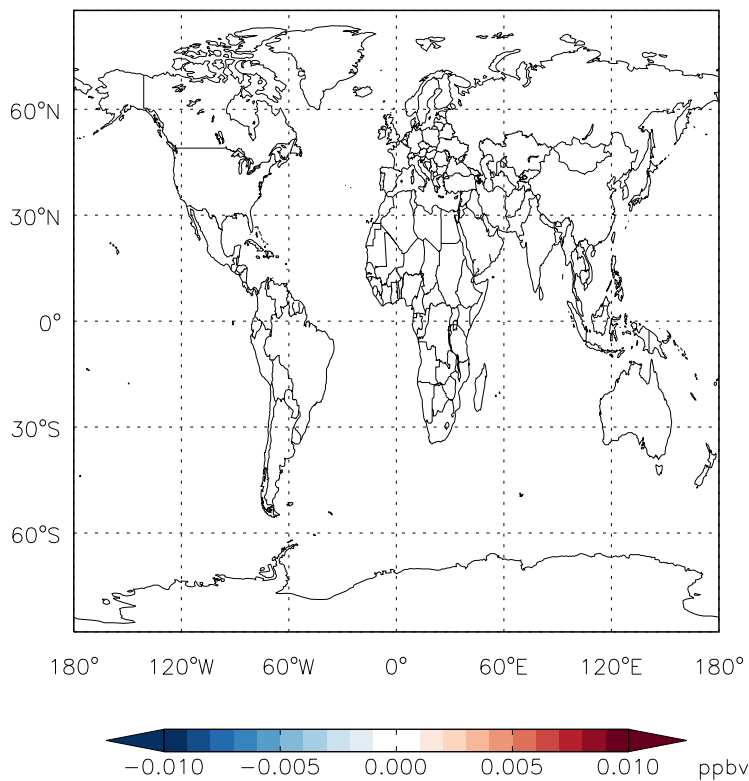
v11-01b-Run0 - v10-01i-geosfp-Run0

Br - Diff @ Surface for Apr



v11-01b-Run0 - v10-01i-geosfp-Run0

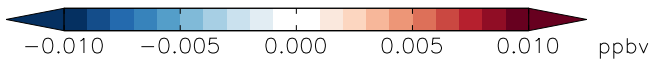
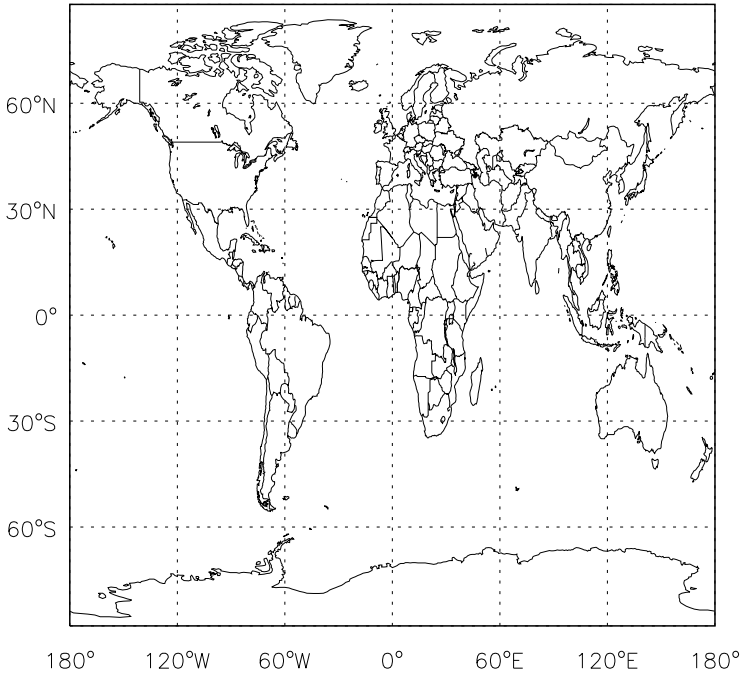
Br - Diff @ 500 hPa for Apr



GEOS-Chem Difference Maps at surface and 500 hPa

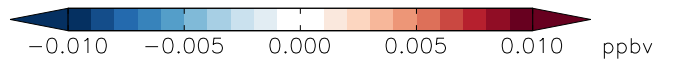
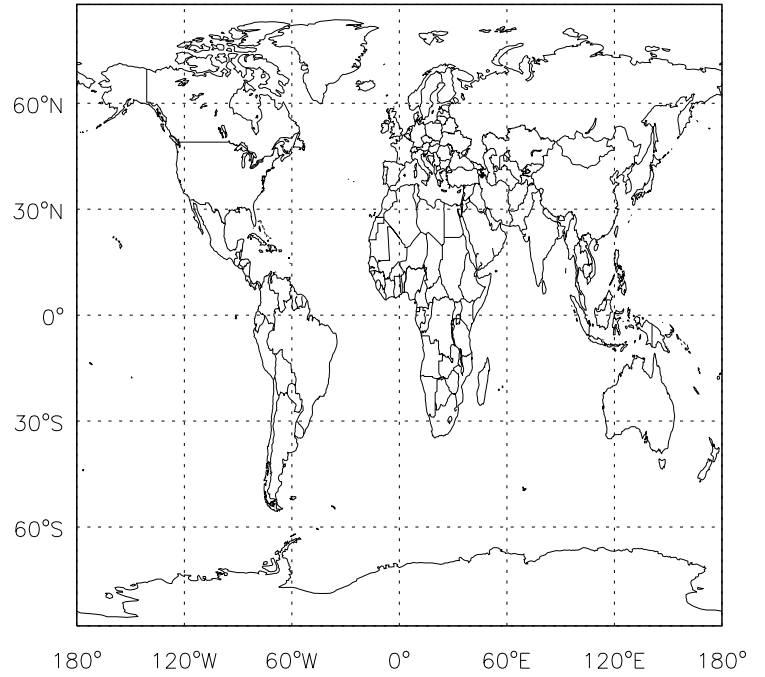
v11-01b-Run0 - v10-01-public-Run0

BrO - Diff @ Surface for Apr



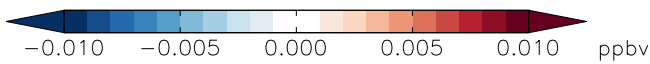
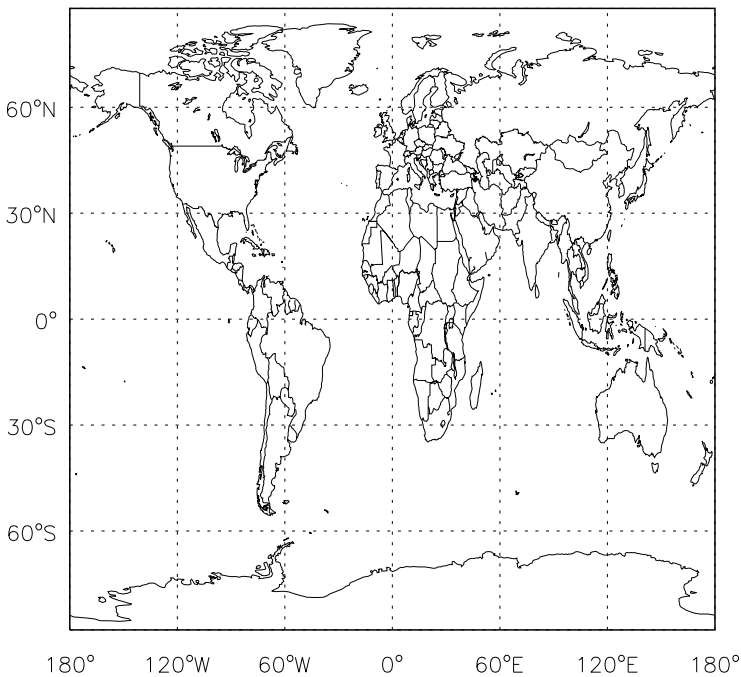
v11-01b-Run0 - v10-01-public-Run0

BrO - Diff @ 500 hPa for Apr



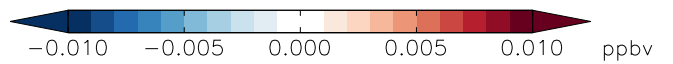
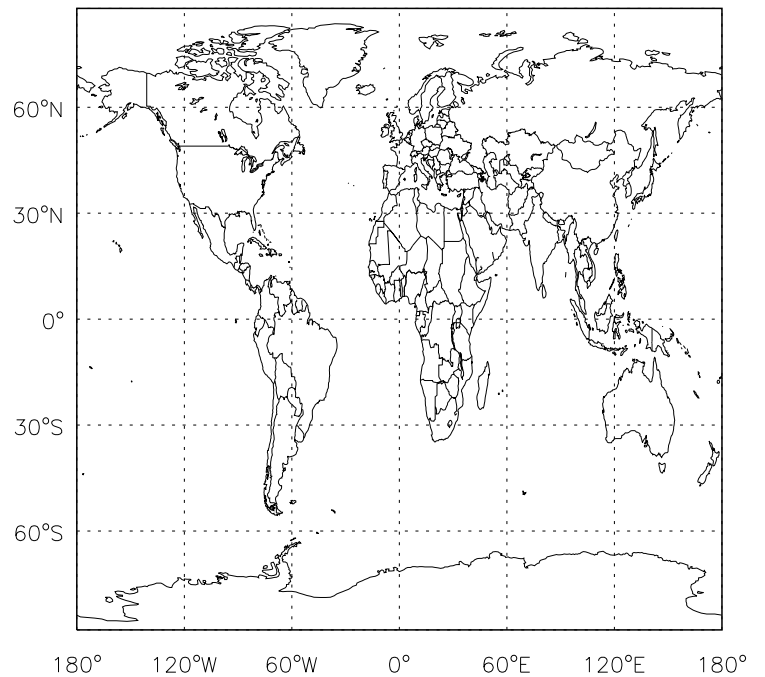
v11-01b-Run0 - v10-01i-geosfp-Run0

BrO - Diff @ Surface for Apr



v11-01b-Run0 - v10-01i-geosfp-Run0

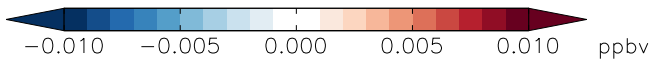
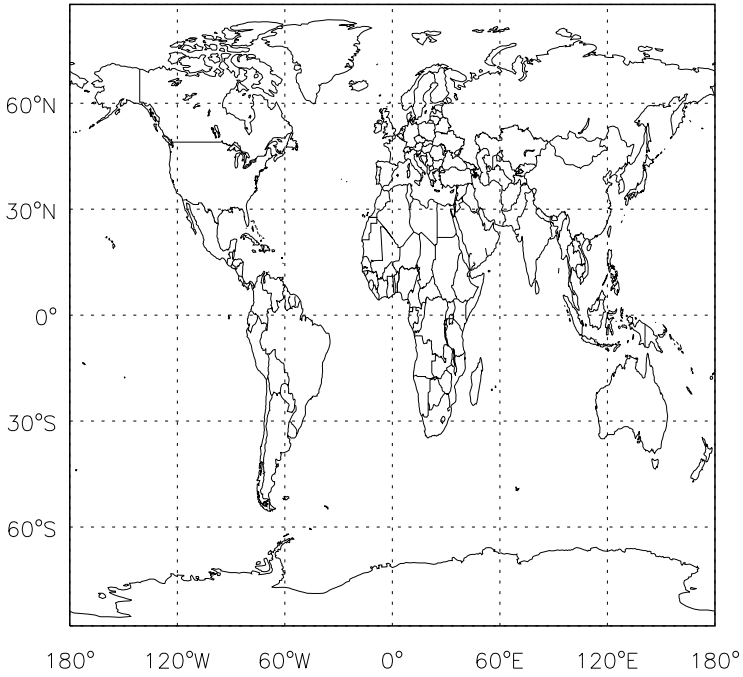
BrO - Diff @ 500 hPa for Apr



GEOS-Chem Difference Maps at surface and 500 hPa

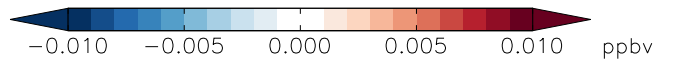
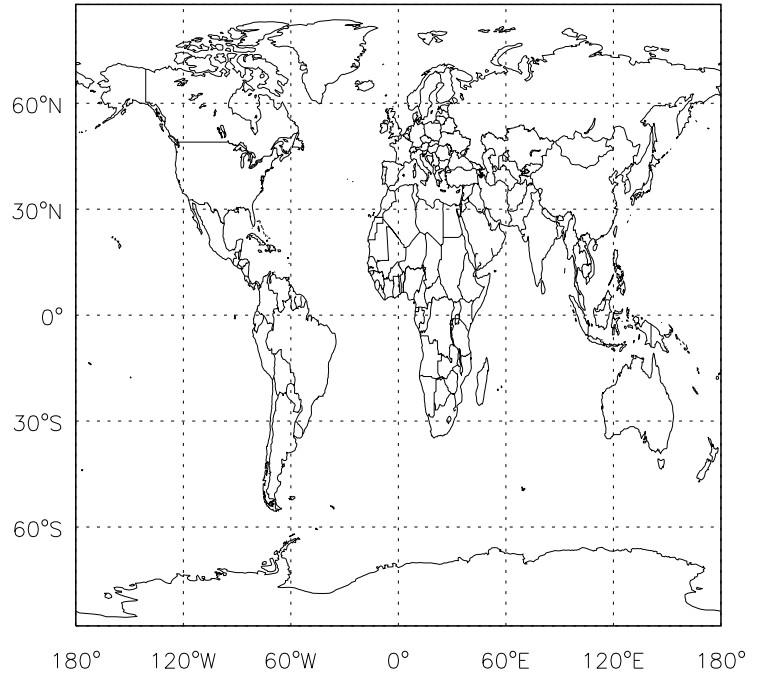
v11-01b-Run0 - v10-01-public-Run0

H0Br - Diff @ Surface for Apr



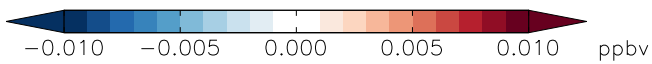
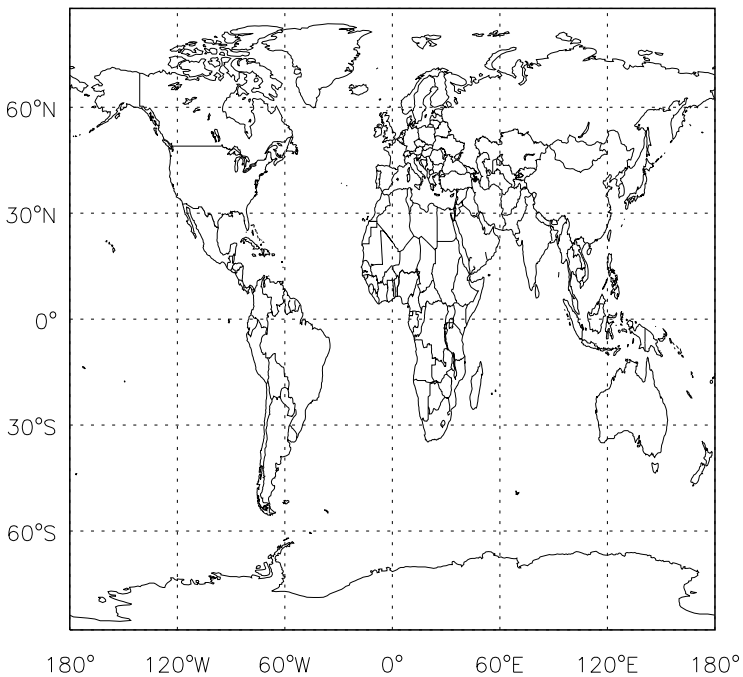
v11-01b-Run0 - v10-01-public-Run0

H0Br- Diff @ 500 hPa for Apr



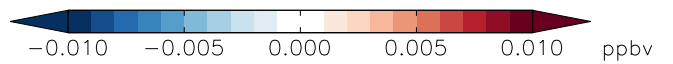
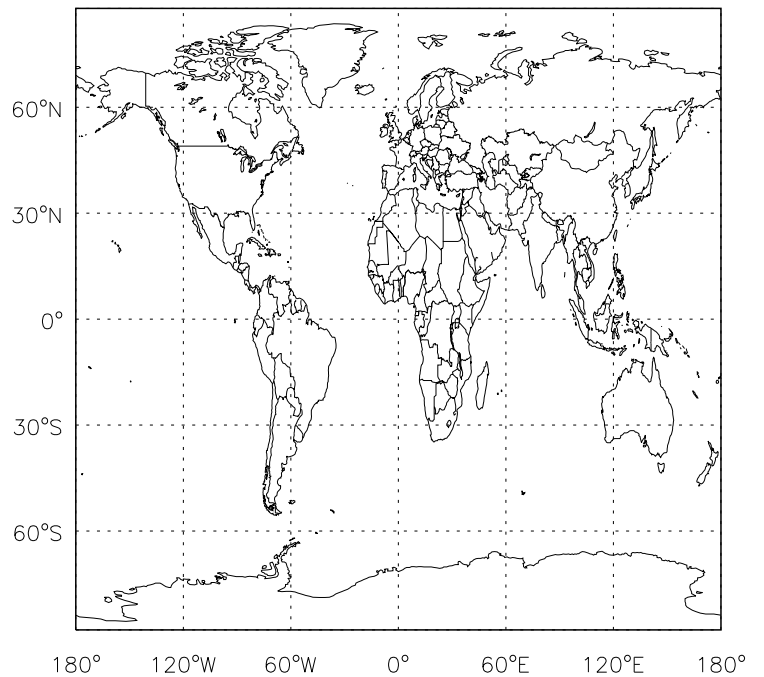
v11-01b-Run0 - v10-01i-geosfp-Run0

H0Br - Diff @ Surface for Apr



v11-01b-Run0 - v10-01i-geosfp-Run0

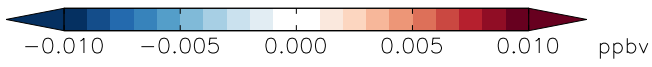
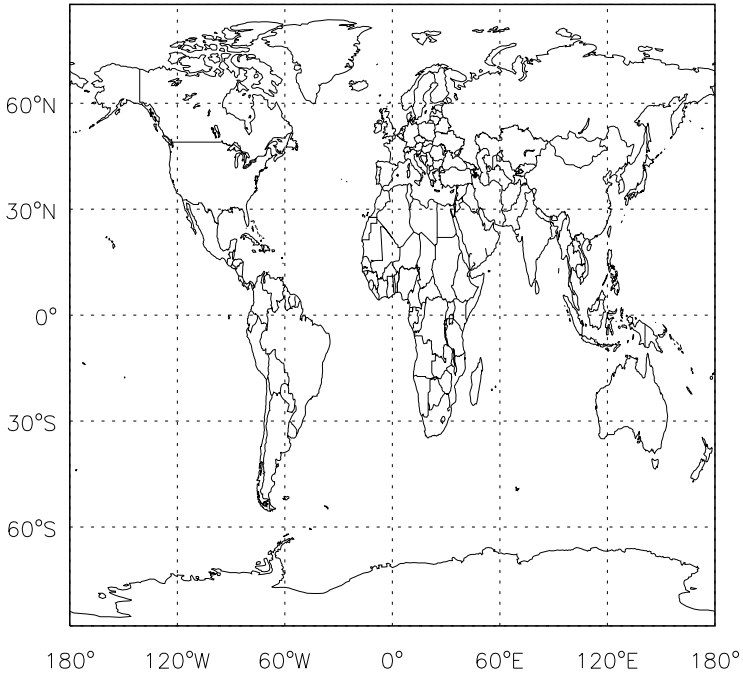
H0Br- Diff @ 500 hPa for Apr



GEOS-Chem Difference Maps at surface and 500 hPa

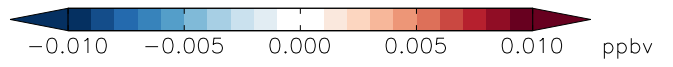
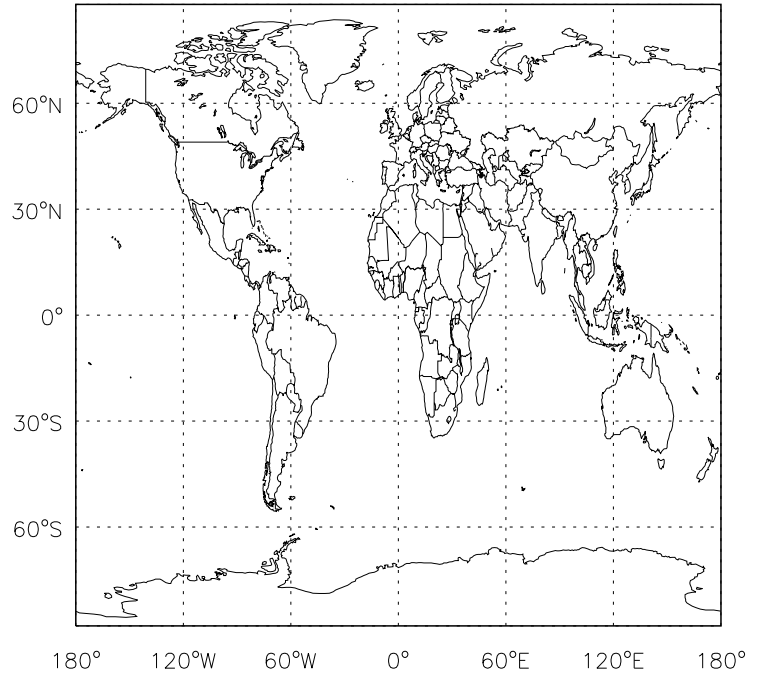
v11-01b-Run0 - v10-01-public-Run0

HBr - Diff @ Surface for Apr



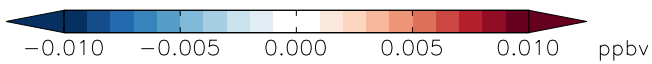
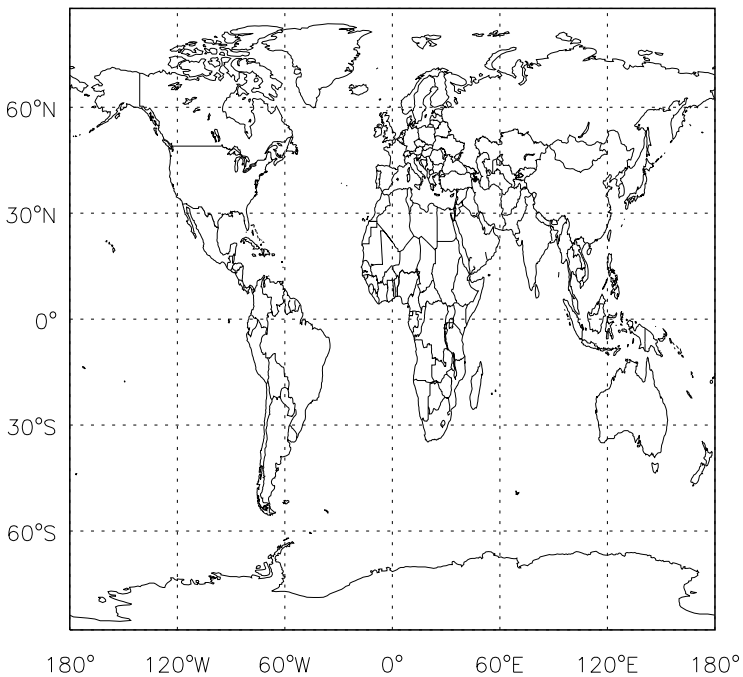
v11-01b-Run0 - v10-01-public-Run0

HBr - Diff @ 500 hPa for Apr



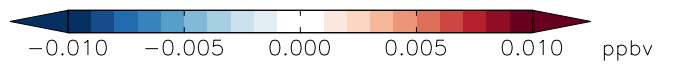
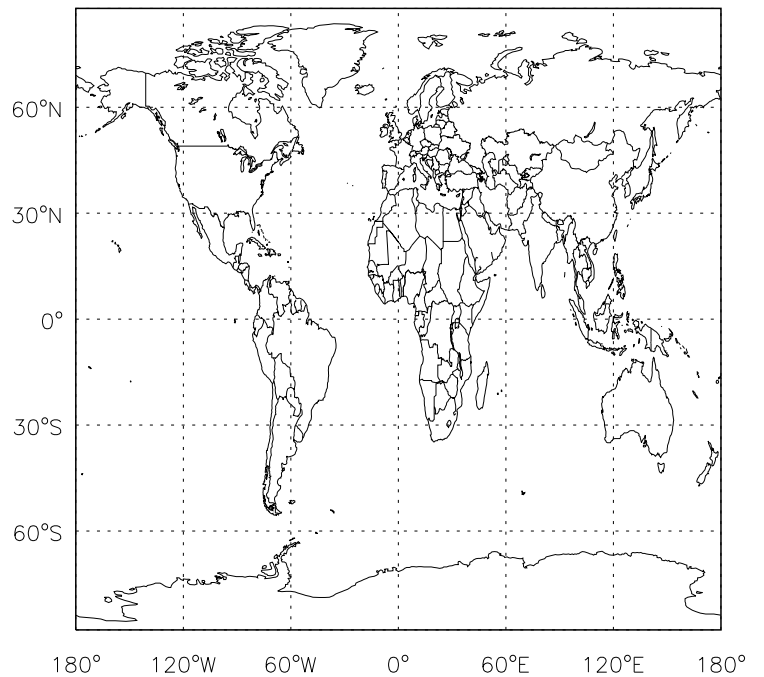
v11-01b-Run0 - v10-01i-geosfp-Run0

HBr - Diff @ Surface for Apr



v11-01b-Run0 - v10-01i-geosfp-Run0

HBr - Diff @ 500 hPa for Apr

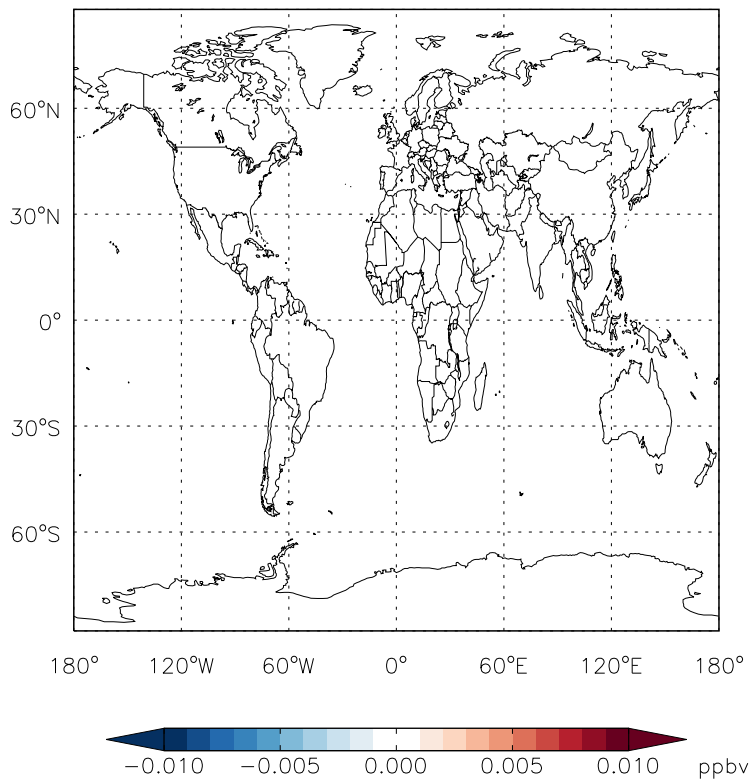




# GEOS-Chem Difference Maps at surface and 500 hPa

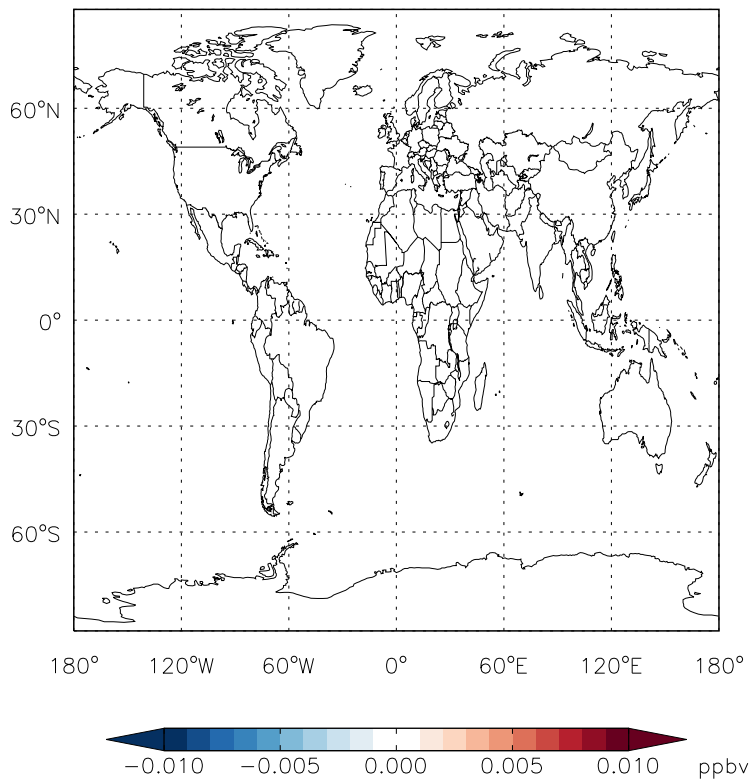
v11-01b-Run0 - v10-01-public-Run0

BrNO2 - Diff @ Surface for Apr



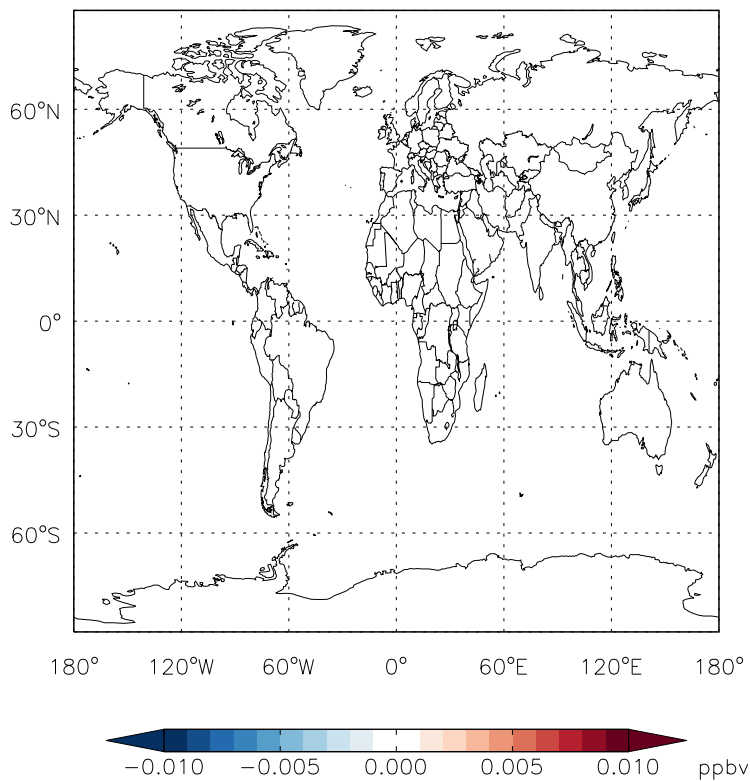
v11-01b-Run0 - v10-01-public-Run0

BrNO2- Diff @ 500 hPa for Apr



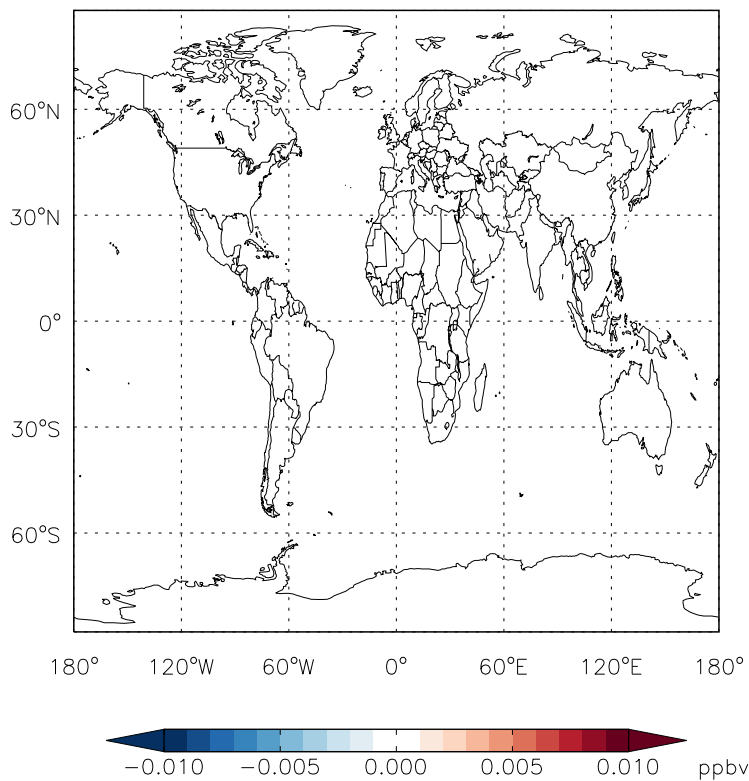
v11-01b-Run0 - v10-01i-geosfp-Run0

BrNO2 - Diff @ Surface for Apr



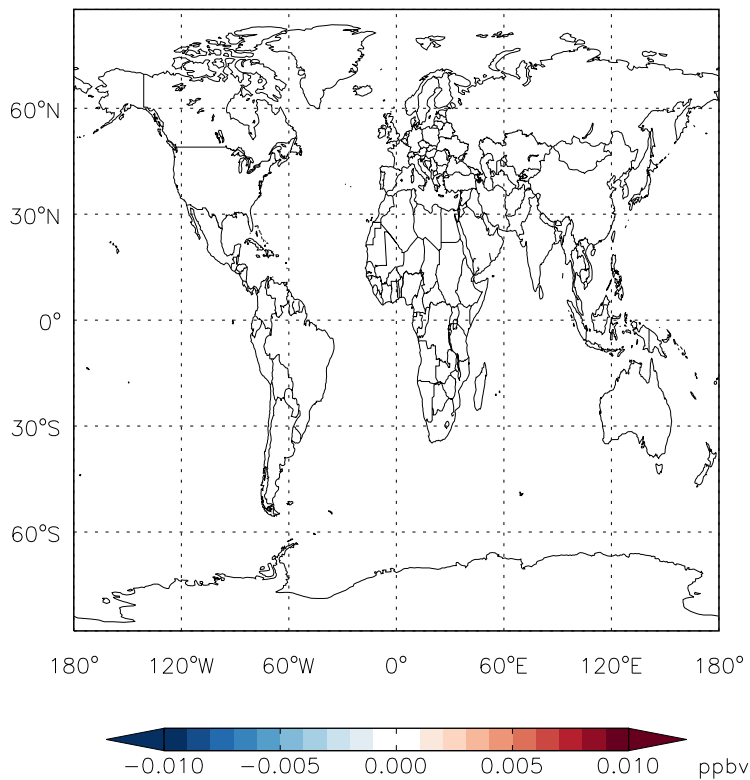
v11-01b-Run0 - v10-01i-geosfp-Run0

BrNO2- Diff @ 500 hPa for Apr

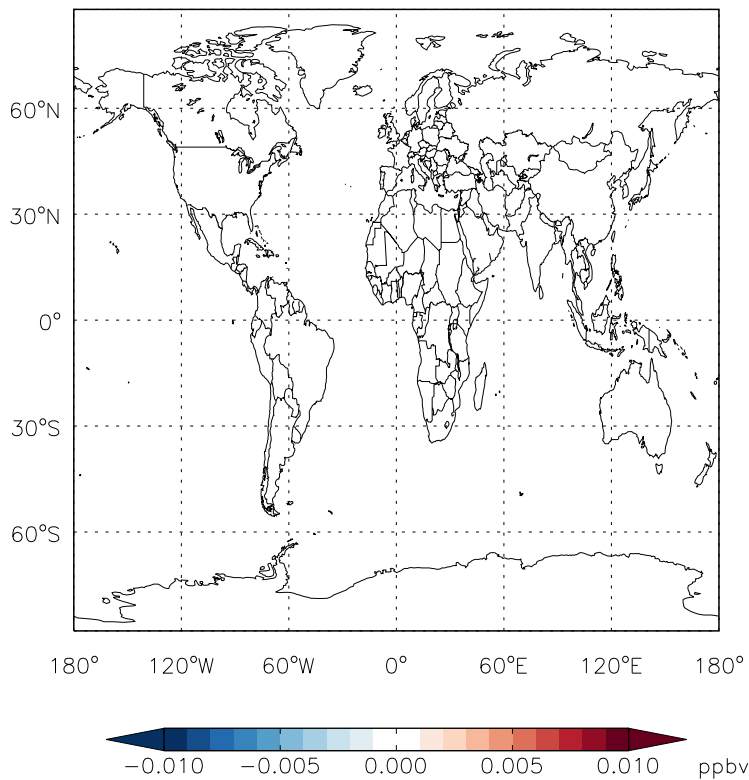


GEOS-Chem Difference Maps at surface and 500 hPa

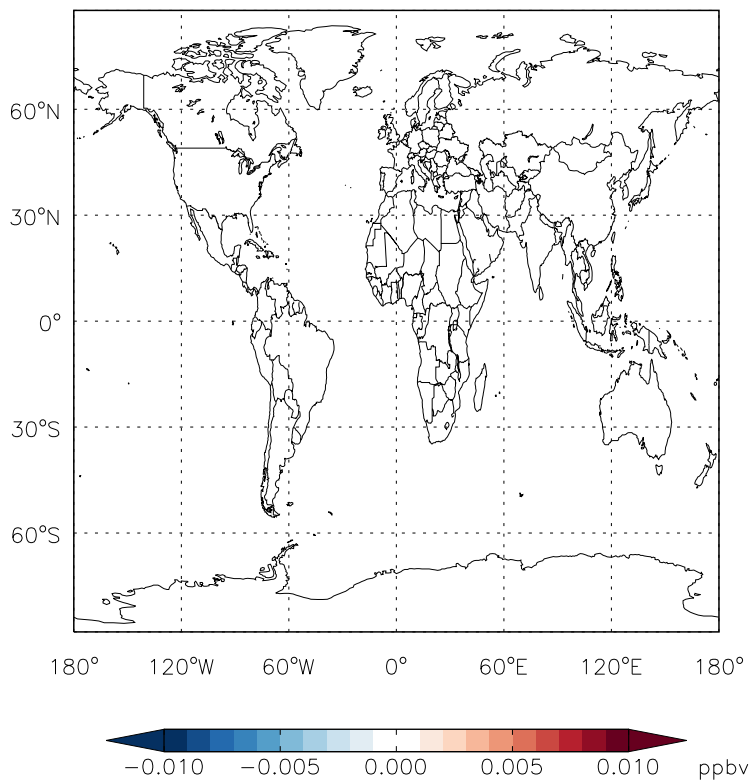
v11-01b-Run0 - v10-01-public-Run0  
BrNO3 - Diff @ Surface for Apr



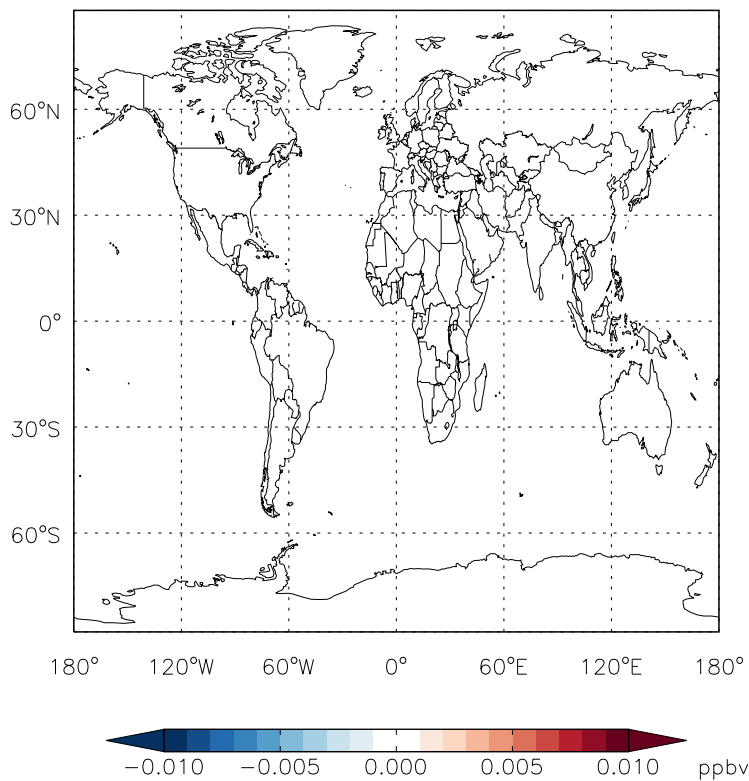
v11-01b-Run0 - v10-01-public-Run0  
BrNO3- Diff @ 500 hPa for Apr



v11-01b-Run0 - v10-01i-geosfp-Run0  
BrNO3 - Diff @ Surface for Apr



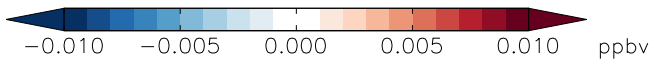
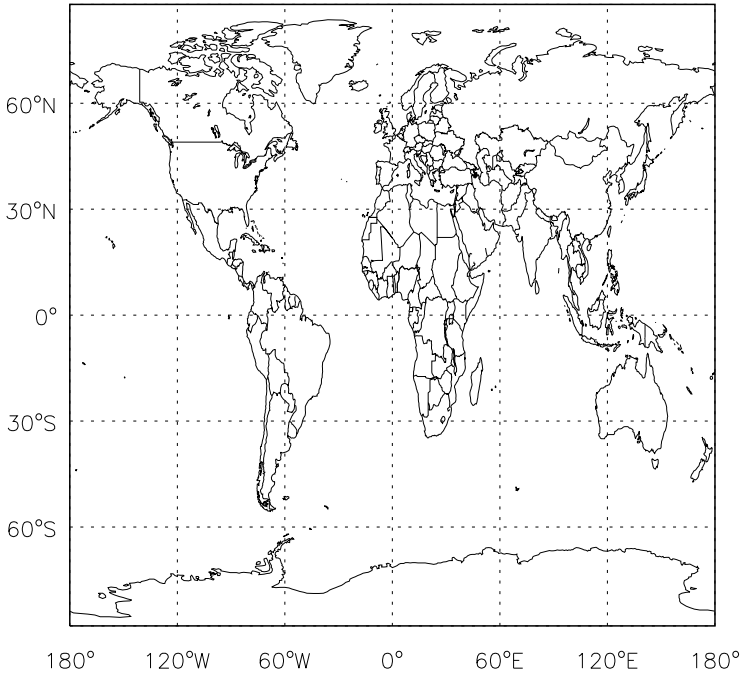
v11-01b-Run0 - v10-01i-geosfp-Run0  
BrNO3- Diff @ 500 hPa for Apr



GEOS-Chem Difference Maps at surface and 500 hPa

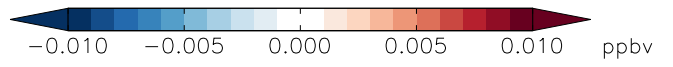
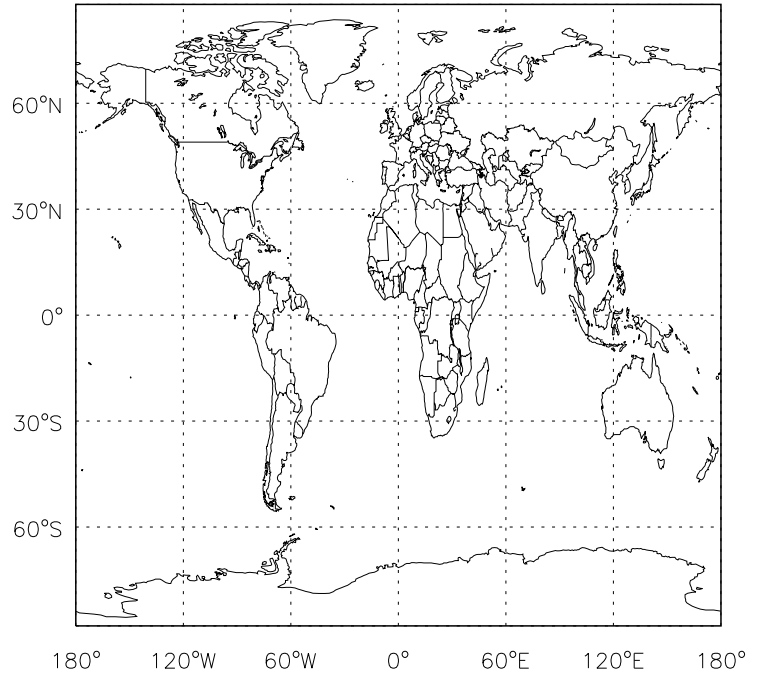
v11-01b-Run0 - v10-01-public-Run0

CHBr3 - Diff @ Surface for Apr



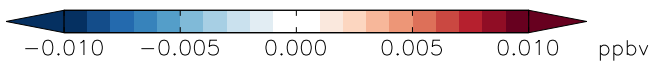
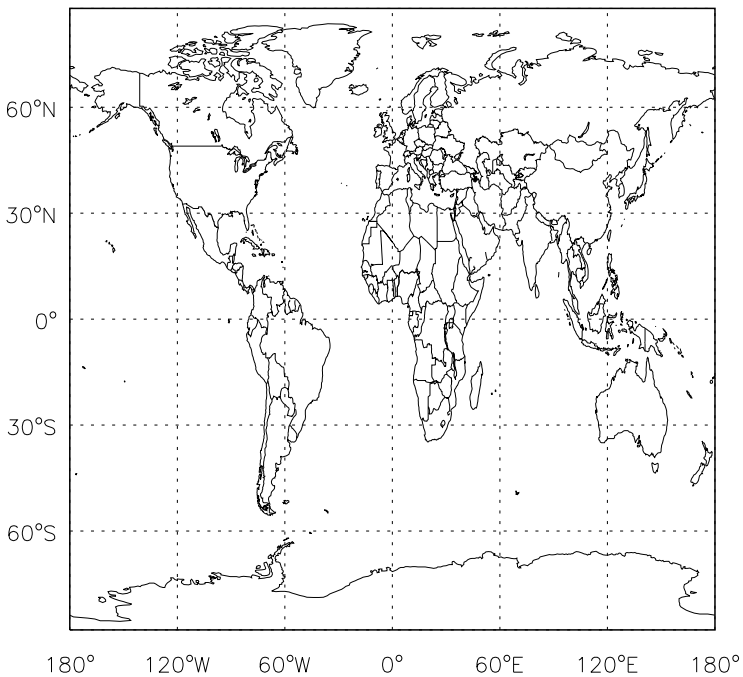
v11-01b-Run0 - v10-01-public-Run0

CHBr3- Diff @ 500 hPa for Apr



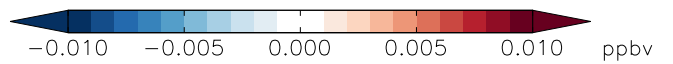
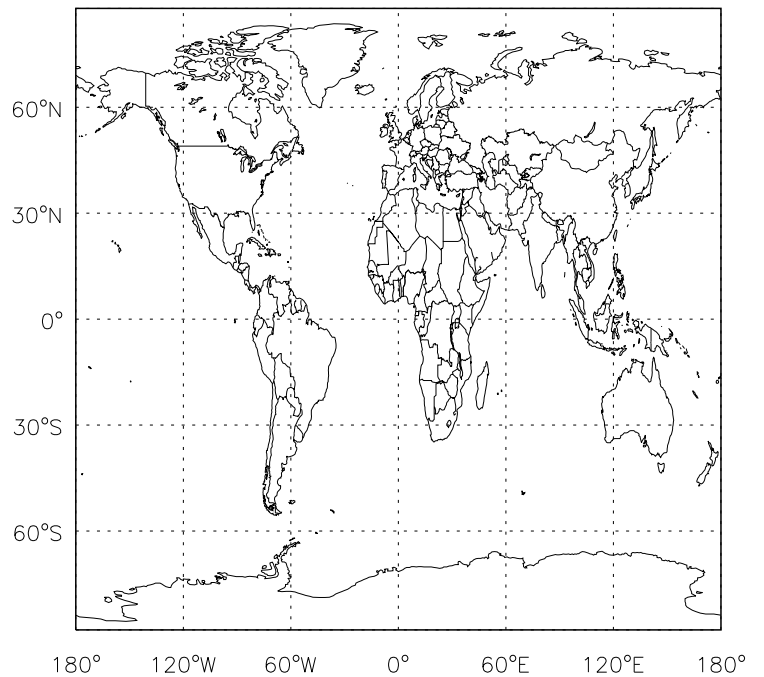
v11-01b-Run0 - v10-01i-geosfp-Run0

CHBr3 - Diff @ Surface for Apr



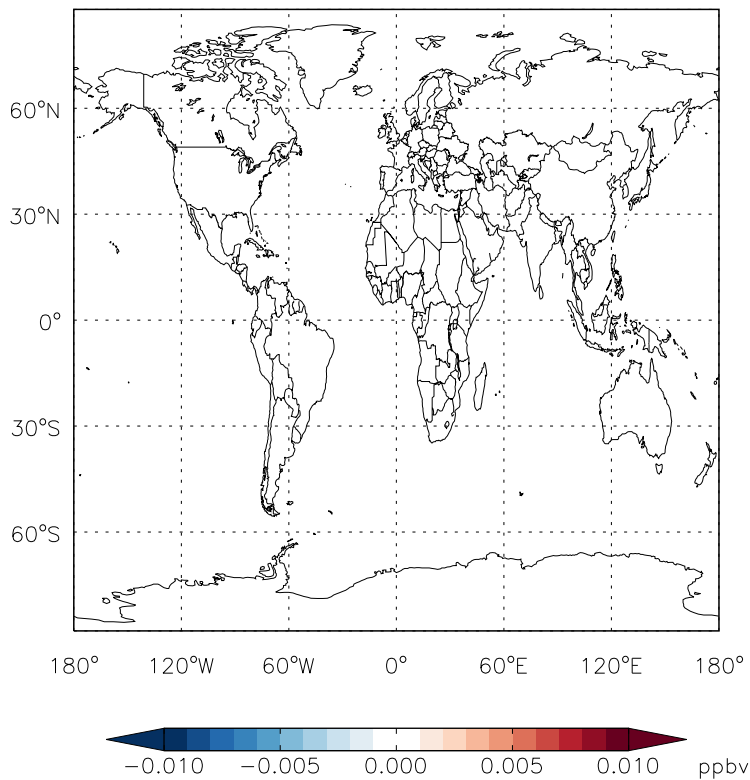
v11-01b-Run0 - v10-01i-geosfp-Run0

CHBr3- Diff @ 500 hPa for Apr

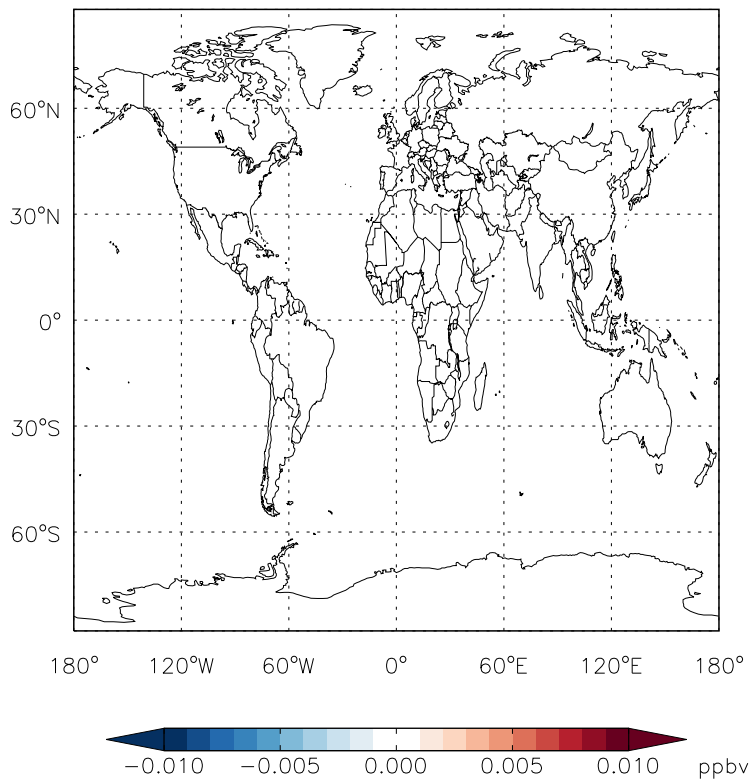


# GEOS-Chem Difference Maps at surface and 500 hPa

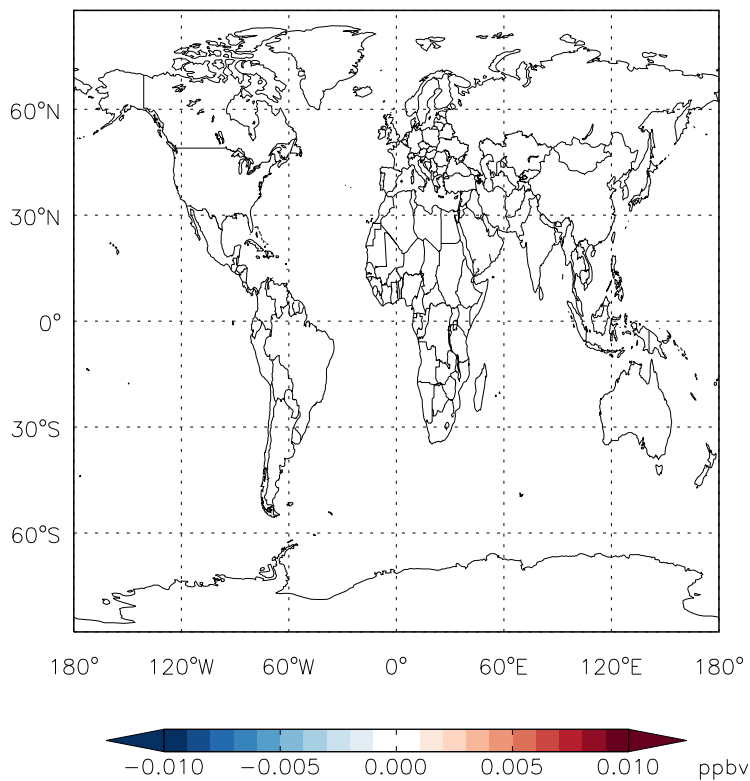
v11-01b-Run0 - v10-01-public-Run0  
CH<sub>2</sub>Br<sub>2</sub> - Diff @ Surface for Apr



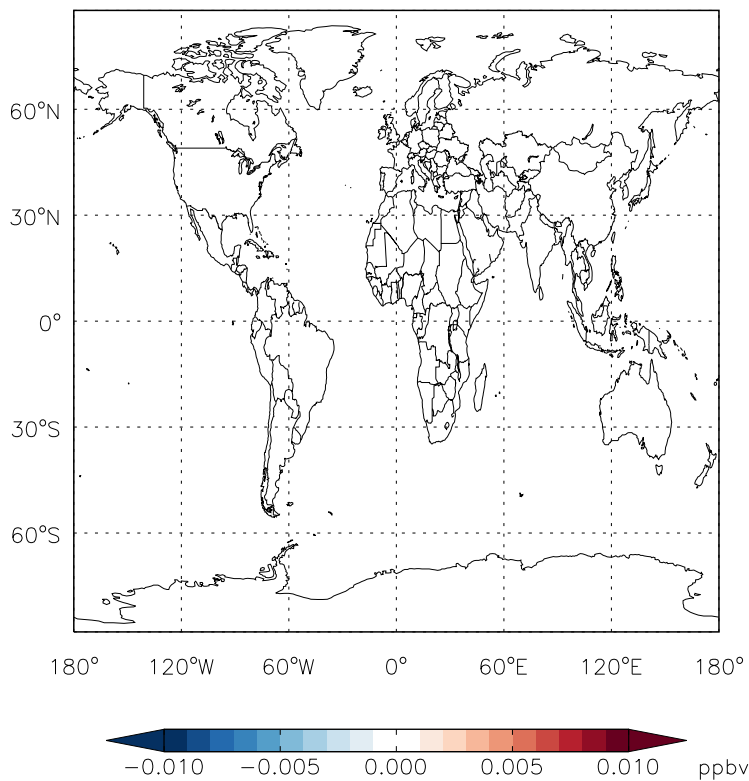
v11-01b-Run0 - v10-01-public-Run0  
CH<sub>2</sub>Br<sub>2</sub> - Diff @ 500 hPa for Apr



v11-01b-Run0 - v10-01i-geosfp-Run0  
CH<sub>2</sub>Br<sub>2</sub> - Diff @ Surface for Apr



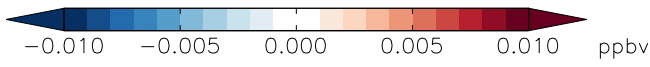
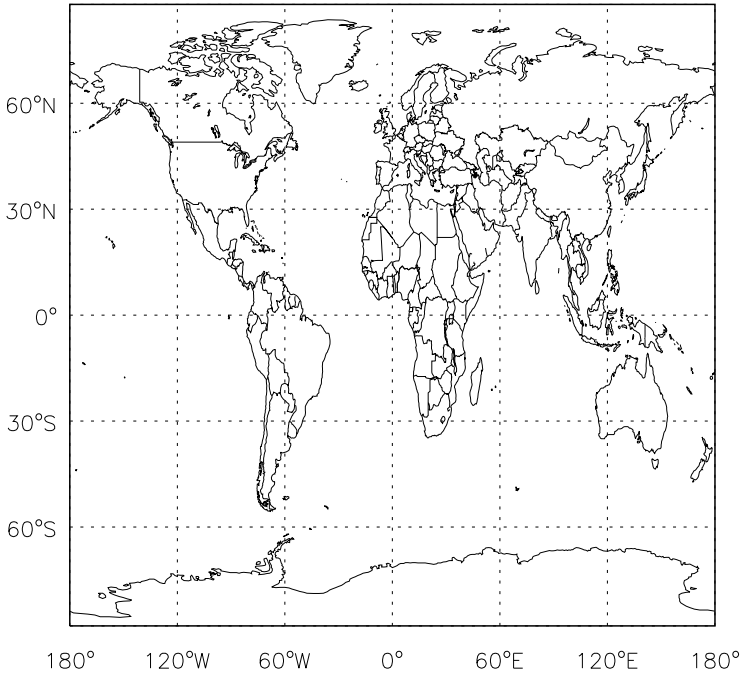
v11-01b-Run0 - v10-01i-geosfp-Run0  
CH<sub>2</sub>Br<sub>2</sub> - Diff @ 500 hPa for Apr



GEOS-Chem Difference Maps at surface and 500 hPa

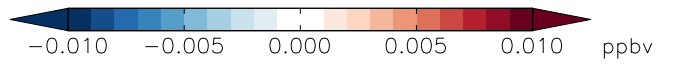
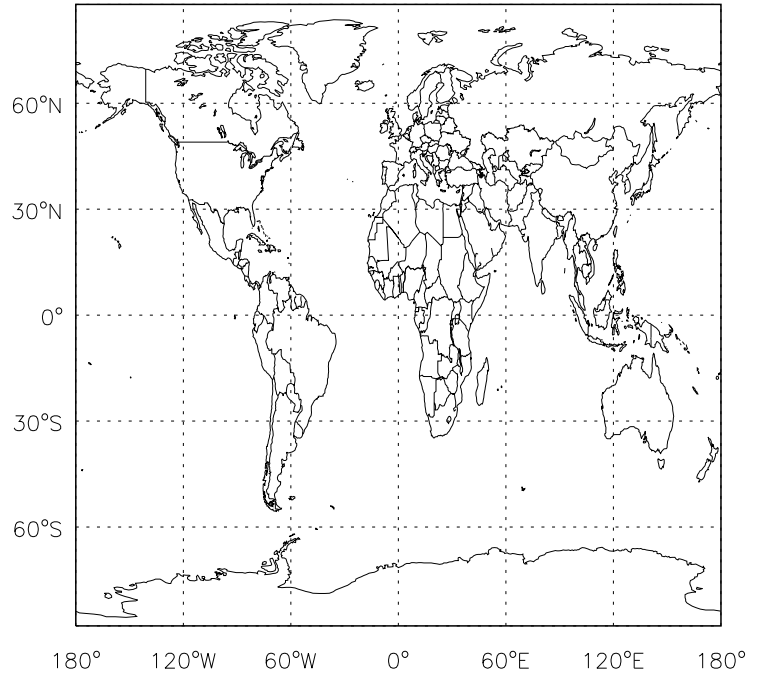
v11-01b-Run0 - v10-01-public-Run0

CH3Br - Diff @ Surface for Apr



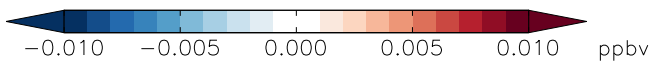
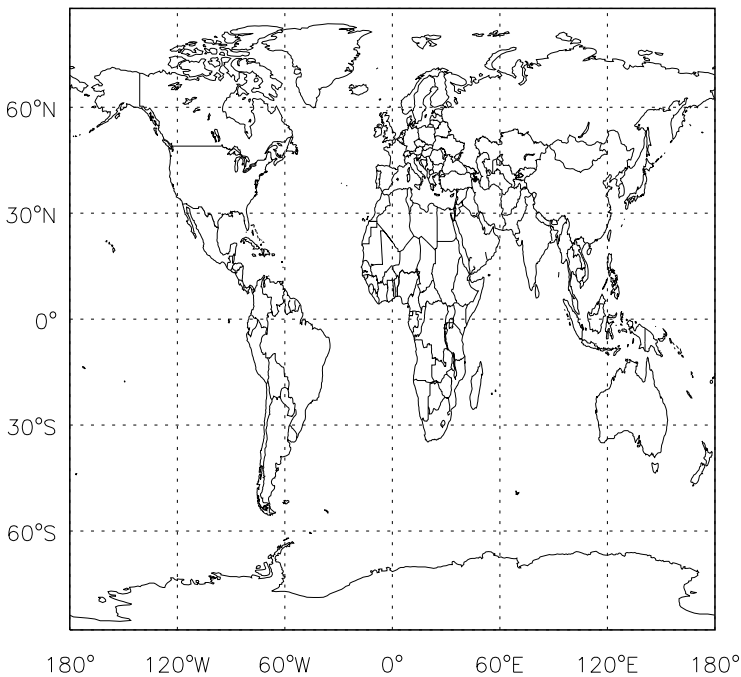
v11-01b-Run0 - v10-01-public-Run0

CH3Br- Diff @ 500 hPa for Apr



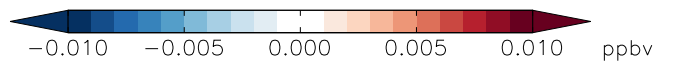
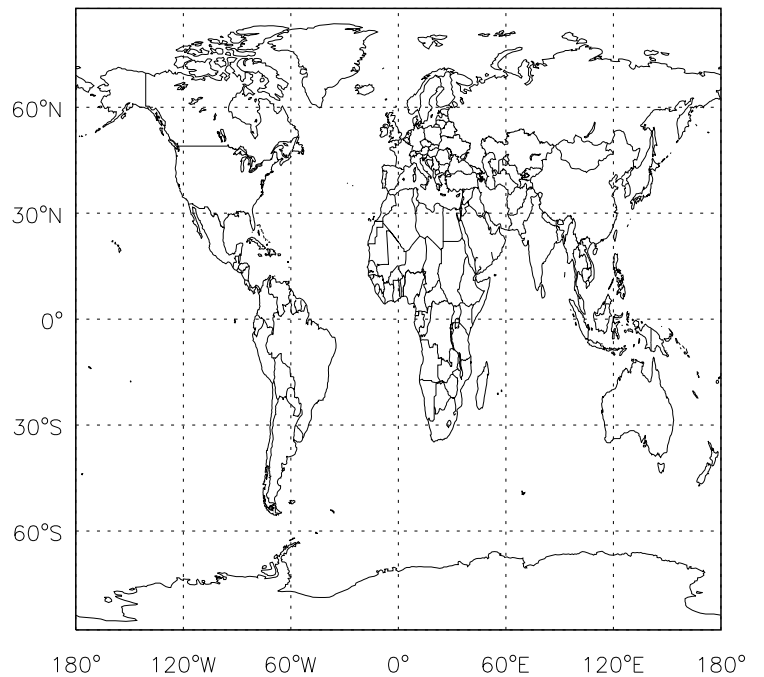
v11-01b-Run0 - v10-01i-geosfp-Run0

CH3Br - Diff @ Surface for Apr



v11-01b-Run0 - v10-01i-geosfp-Run0

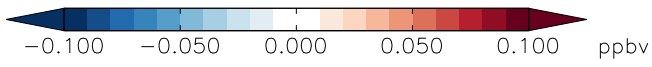
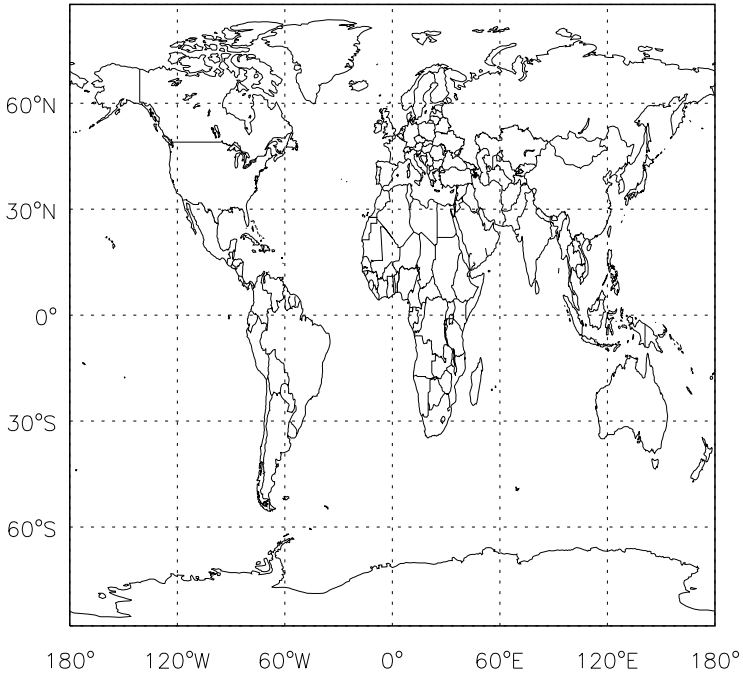
CH3Br- Diff @ 500 hPa for Apr



GEOS-Chem Difference Maps at surface and 500 hPa

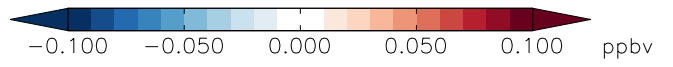
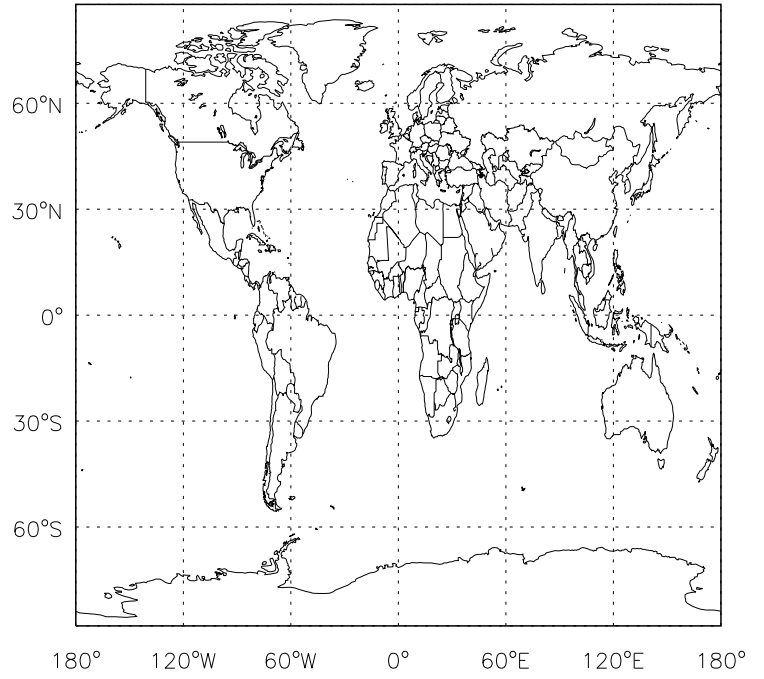
v11-01b-Run0 - v10-01-public-Run0

MPN - Diff @ Surface for Apr



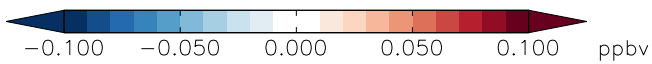
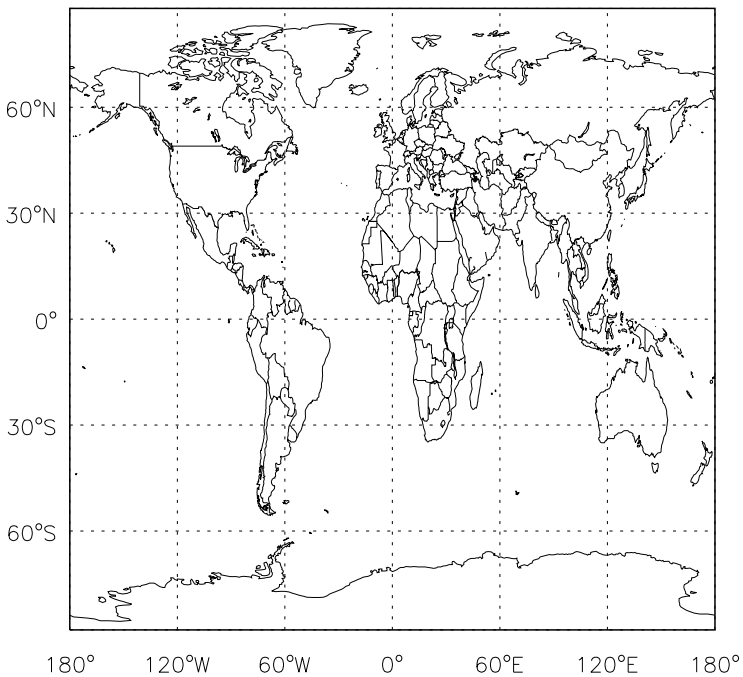
v11-01b-Run0 - v10-01-public-Run0

MPN - Diff @ 500 hPa for Apr



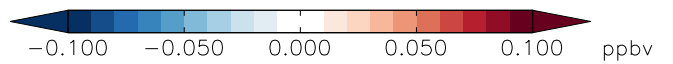
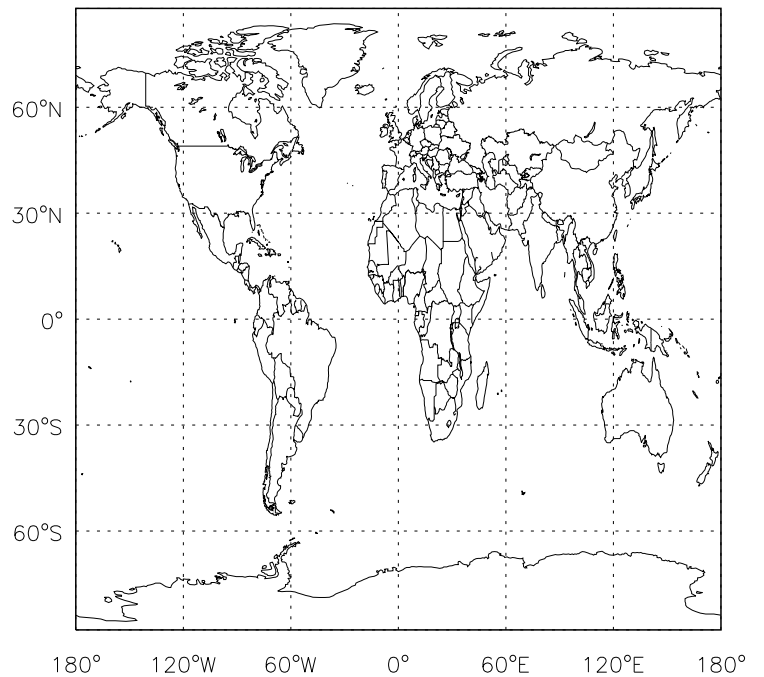
v11-01b-Run0 - v10-01i-geosfp-Run0

MPN - Diff @ Surface for Apr



v11-01b-Run0 - v10-01i-geosfp-Run0

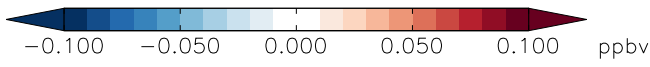
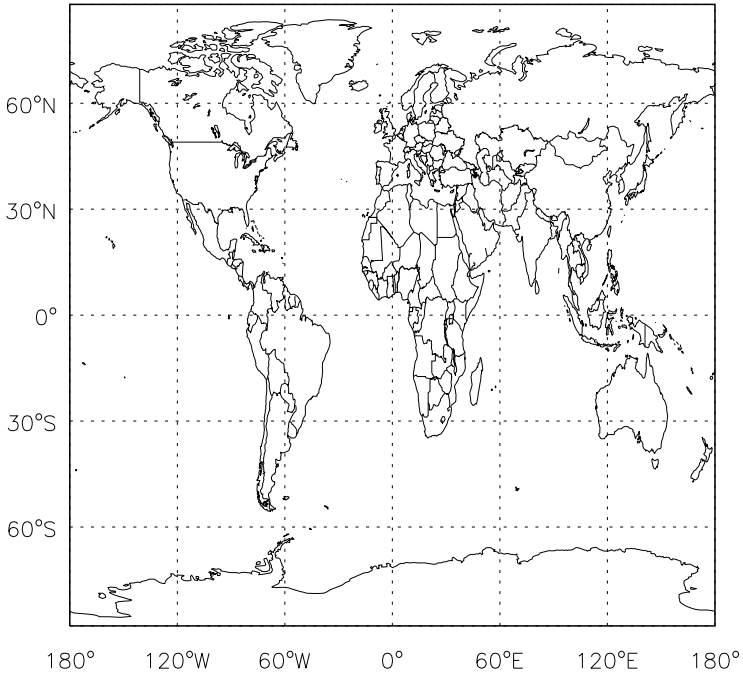
MPN - Diff @ 500 hPa for Apr



GEOS-Chem Difference Maps at surface and 500 hPa

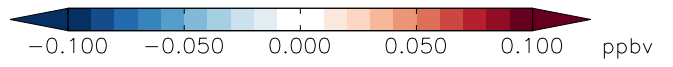
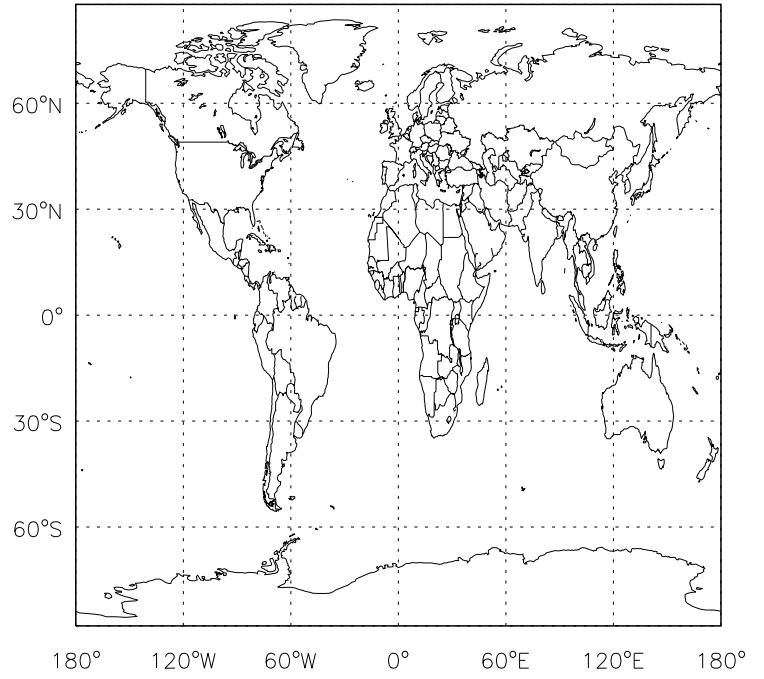
v11-01b-Run0 - v10-01-public-Run0

ISOPN - Diff @ Surface for Apr



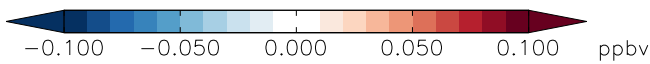
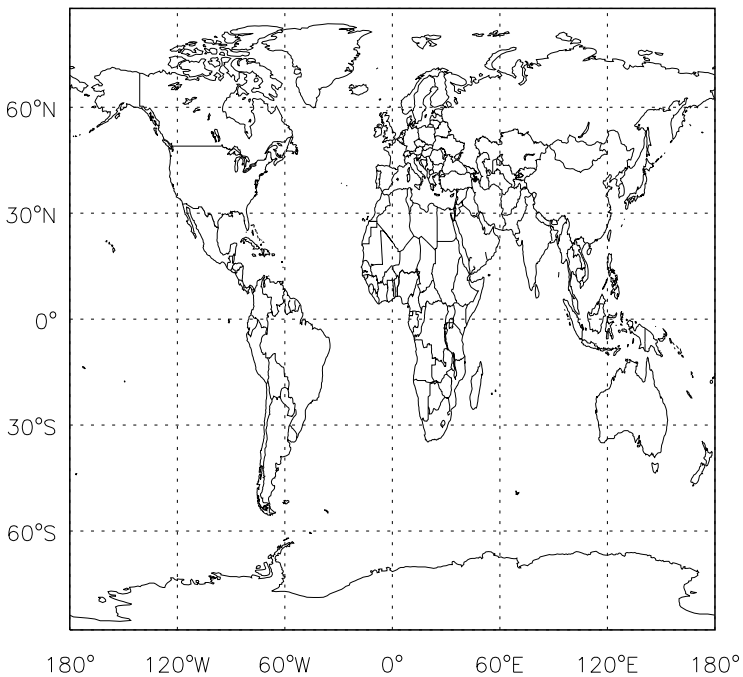
v11-01b-Run0 - v10-01-public-Run0

ISOPN- Diff @ 500 hPa for Apr



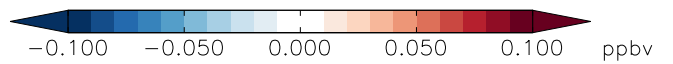
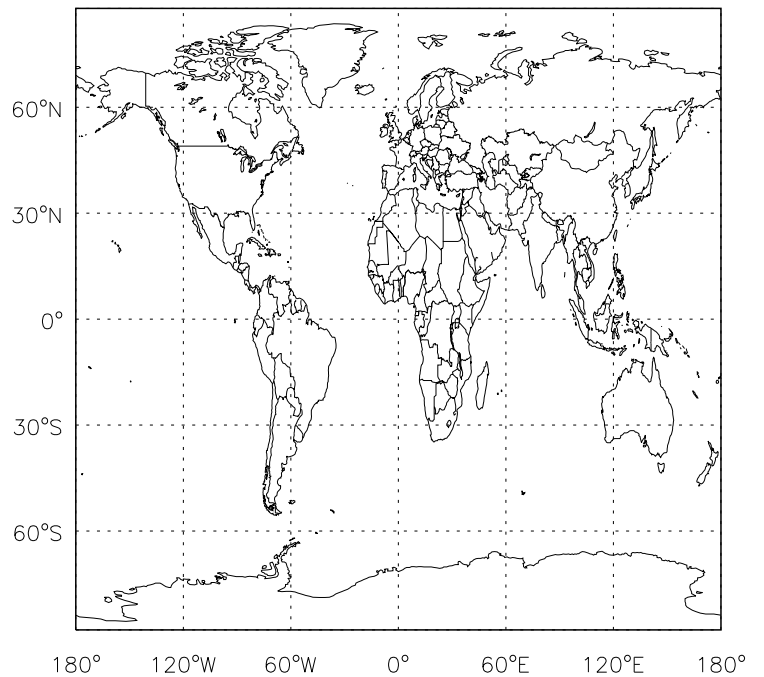
v11-01b-Run0 - v10-01i-geosfp-Run0

ISOPN - Diff @ Surface for Apr



v11-01b-Run0 - v10-01i-geosfp-Run0

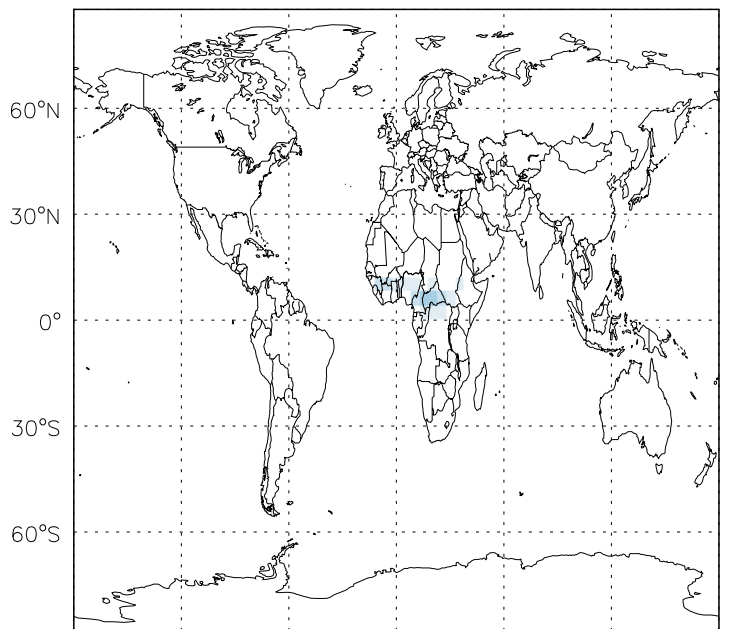
ISOPN- Diff @ 500 hPa for Apr



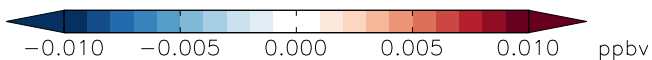
GEOS-Chem Difference Maps at surface and 500 hPa

v11-01b-Run0 - v10-01-public-Run0

MOBA - Diff @ Surface for Apr

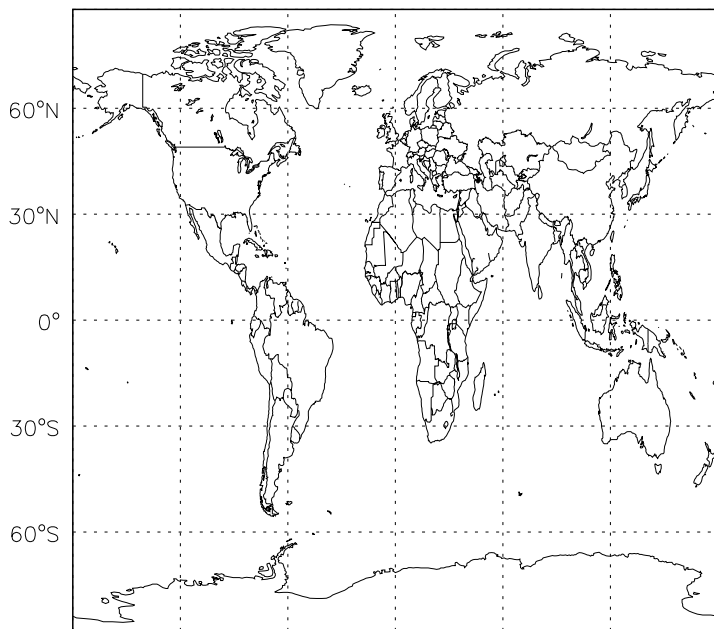


180° 120°W 60°W 0° 60°E 120°E 180°

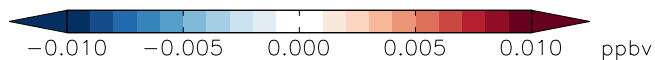


v11-01b-Run0 - v10-01-public-Run0

MOBA- Diff @ 500 hPa for Apr

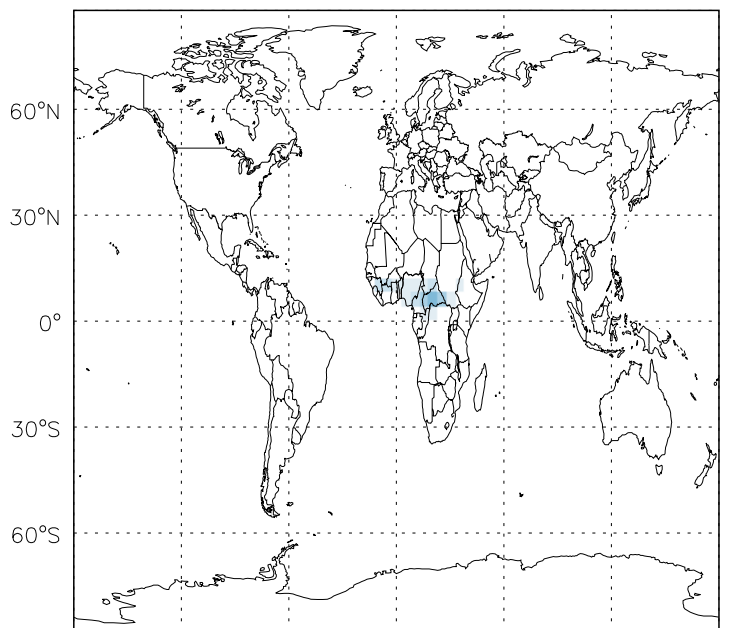


180° 120°W 60°W 0° 60°E 120°E 180°

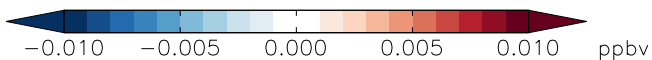


v11-01b-Run0 - v10-01i-geosfp-Run0

MOBA - Diff @ Surface for Apr

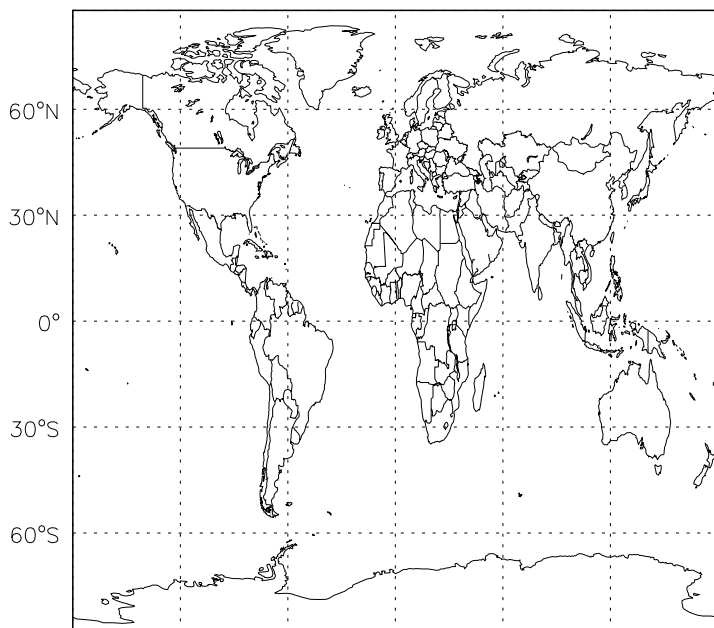


180° 120°W 60°W 0° 60°E 120°E 180°

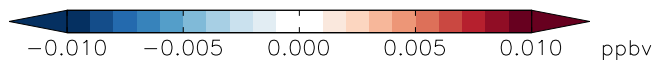


v11-01b-Run0 - v10-01i-geosfp-Run0

MOBA- Diff @ 500 hPa for Apr



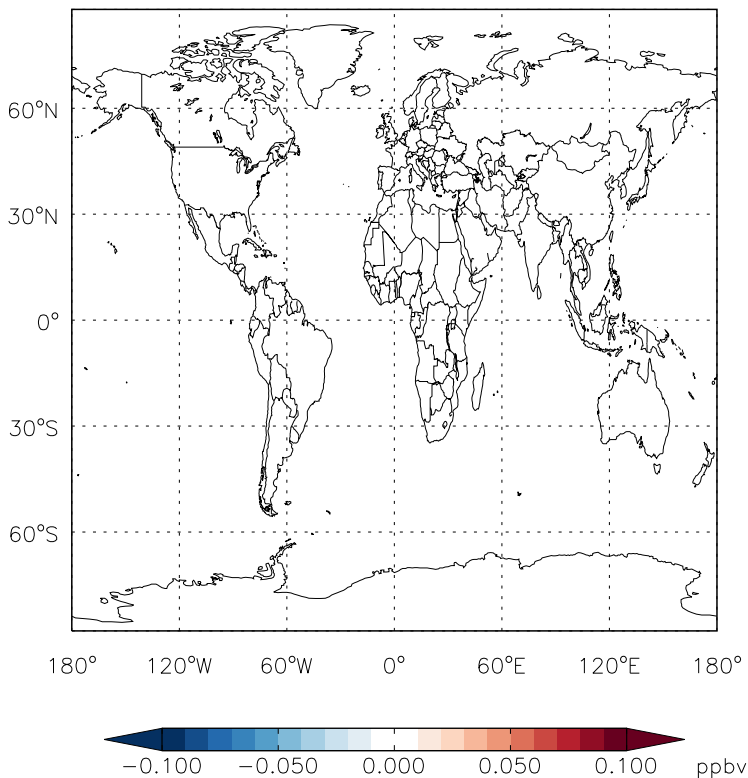
180° 120°W 60°W 0° 60°E 120°E 180°



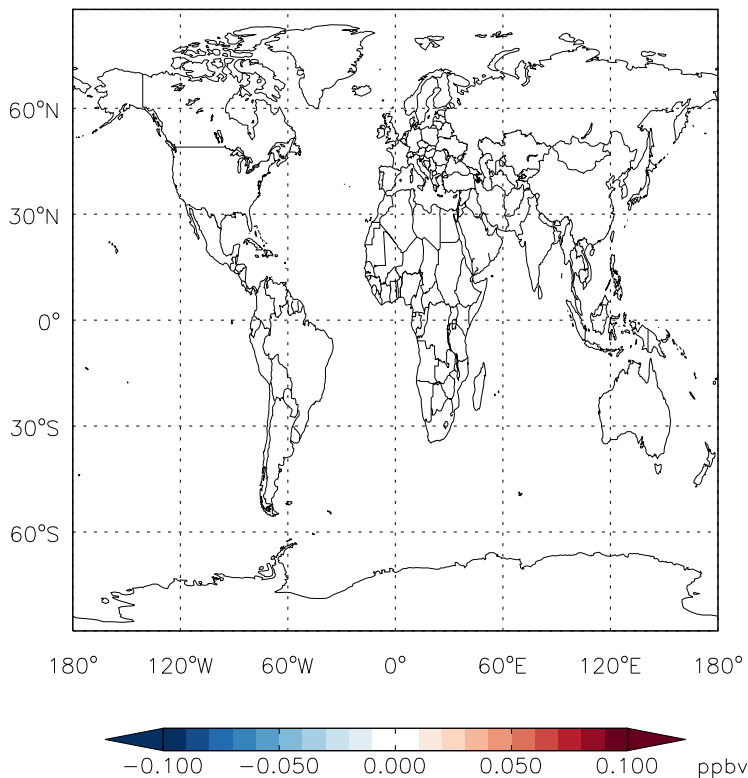


GEOS-Chem Difference Maps at surface and 500 hPa

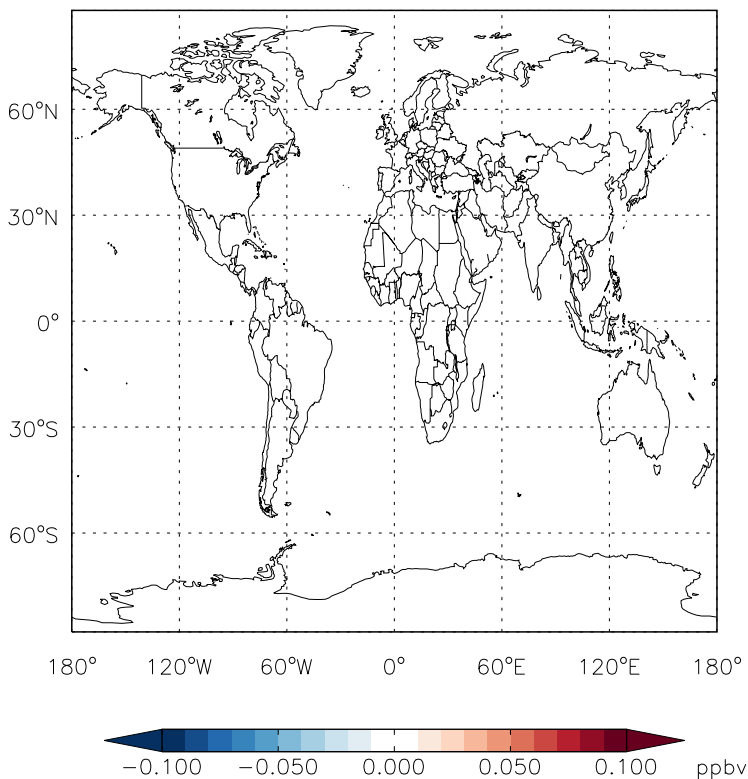
v11-01b-Run0 - v10-01-public-Run0  
PROPNN - Diff @ Surface for Apr



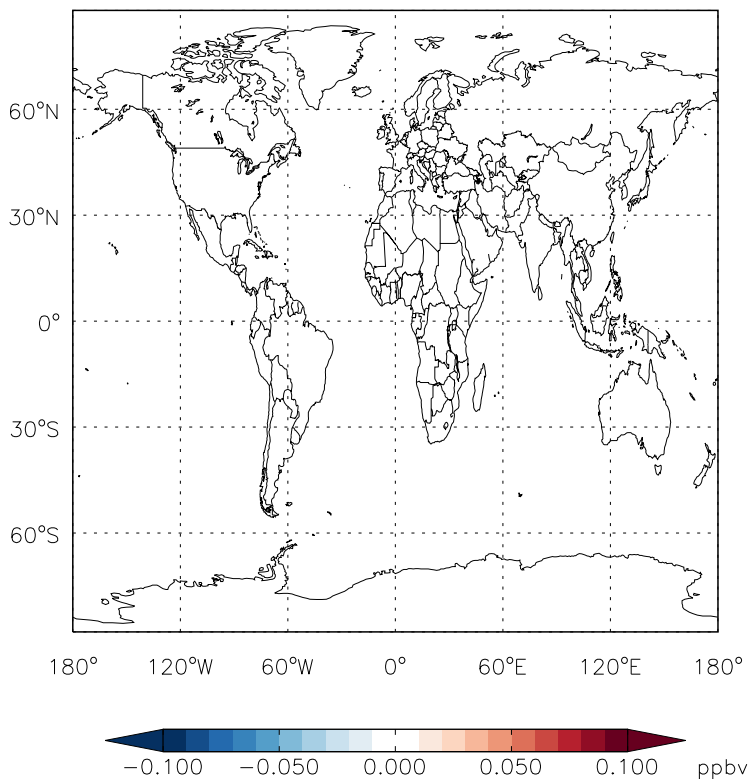
v11-01b-Run0 - v10-01-public-Run0  
PROPNN- Diff @ 500 hPa for Apr



v11-01b-Run0 - v10-01i-geosfp-Run0  
PROPNN - Diff @ Surface for Apr



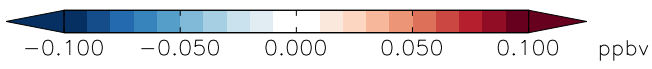
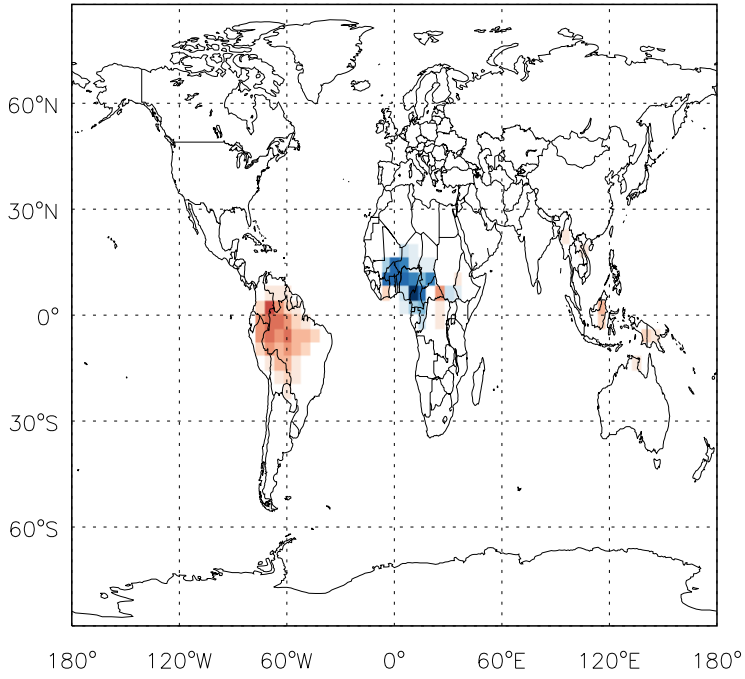
v11-01b-Run0 - v10-01i-geosfp-Run0  
PROPNN- Diff @ 500 hPa for Apr



# GEOS-Chem Difference Maps at surface and 500 hPa

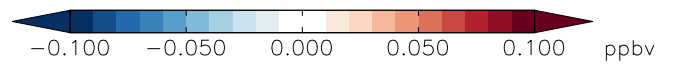
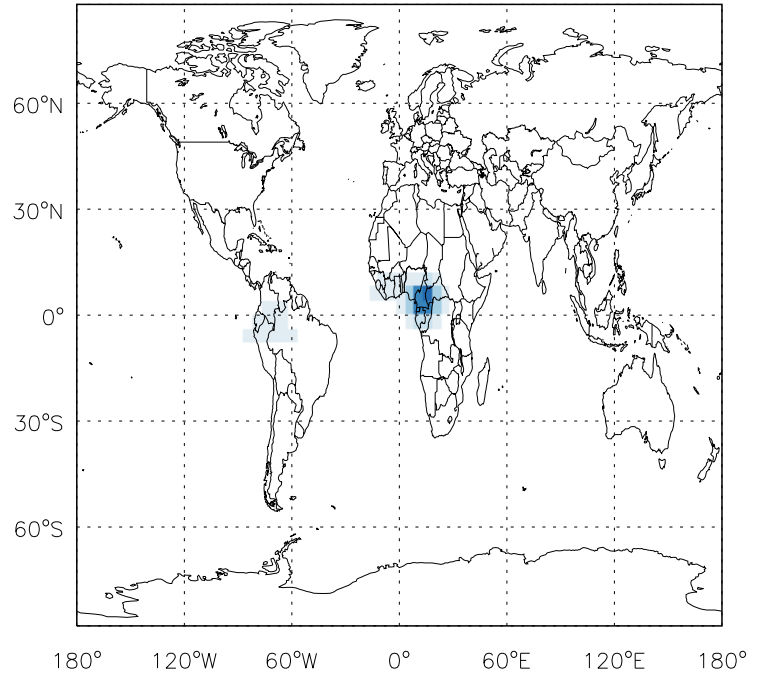
v11-01b-Run0 - v10-01-public-Run0

HAC - Diff @ Surface for Apr



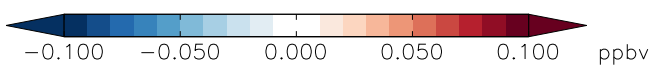
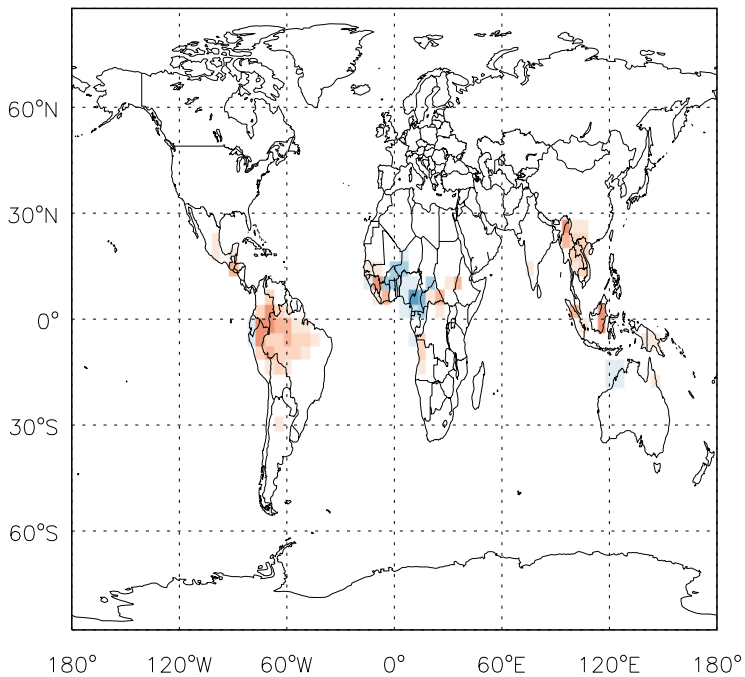
v11-01b-Run0 - v10-01-public-Run0

HAC - Diff @ 500 hPa for Apr



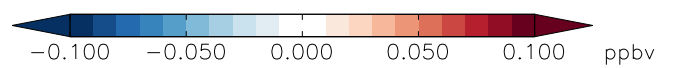
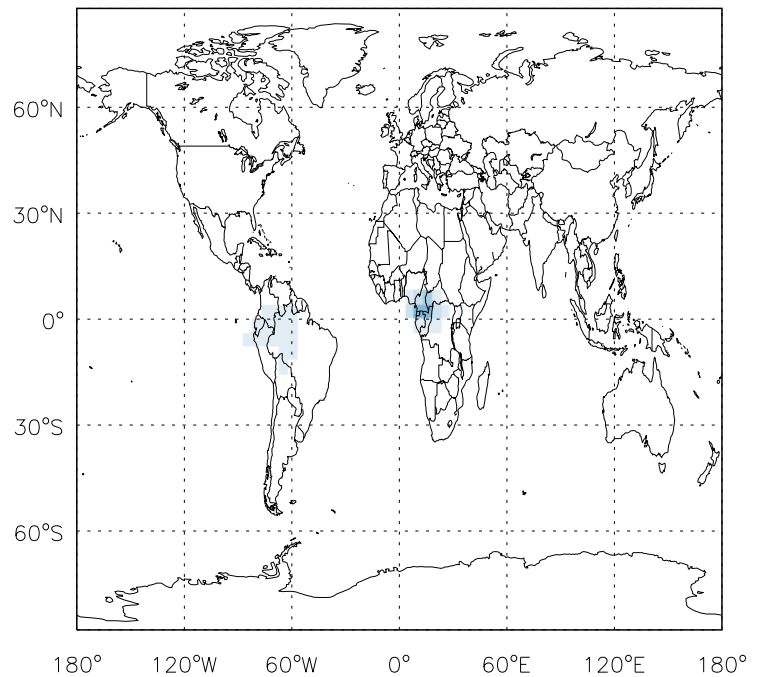
v11-01b-Run0 - v10-01i-geosfp-Run0

HAC - Diff @ Surface for Apr



v11-01b-Run0 - v10-01i-geosfp-Run0

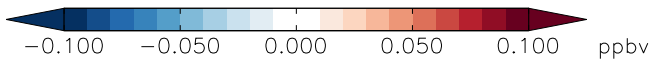
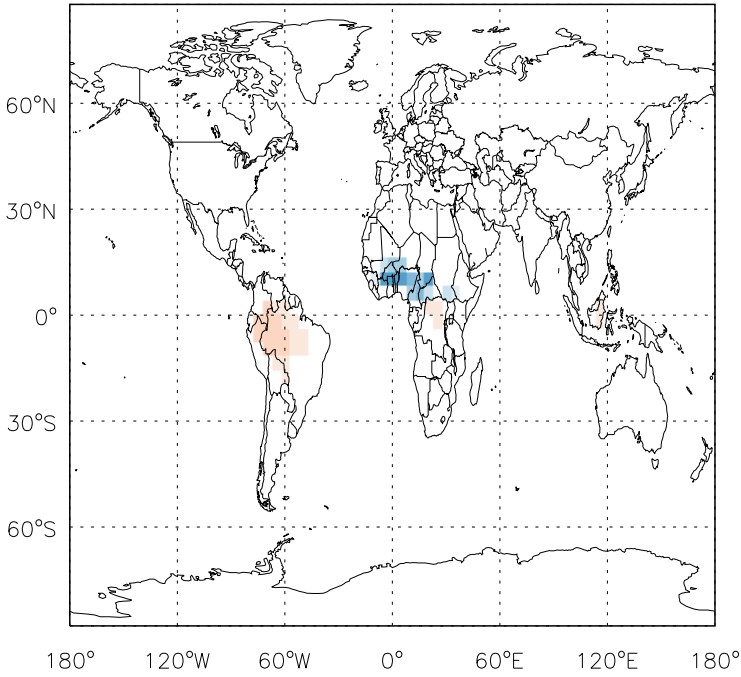
HAC - Diff @ 500 hPa for Apr



GEOS-Chem Difference Maps at surface and 500 hPa

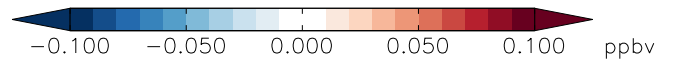
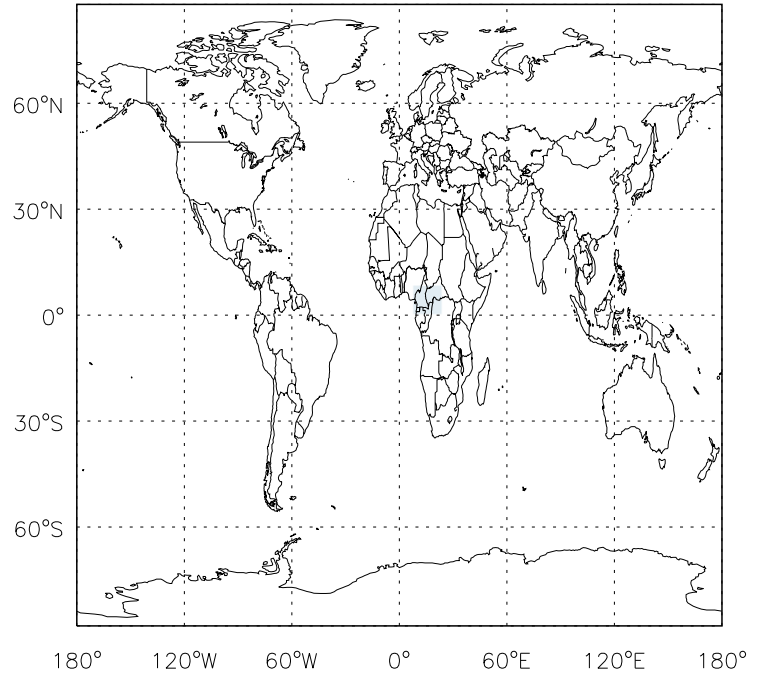
v11-01b-Run0 - v10-01-public-Run0

GLYC - Diff @ Surface for Apr



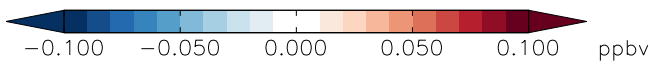
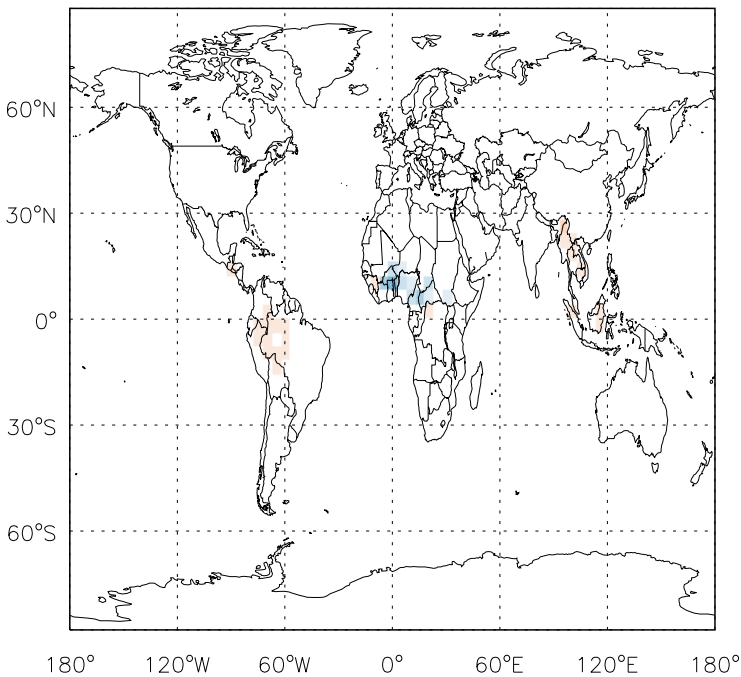
v11-01b-Run0 - v10-01-public-Run0

GLYC - Diff @ 500 hPa for Apr



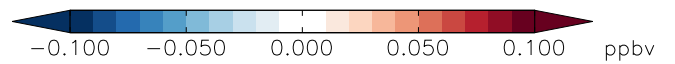
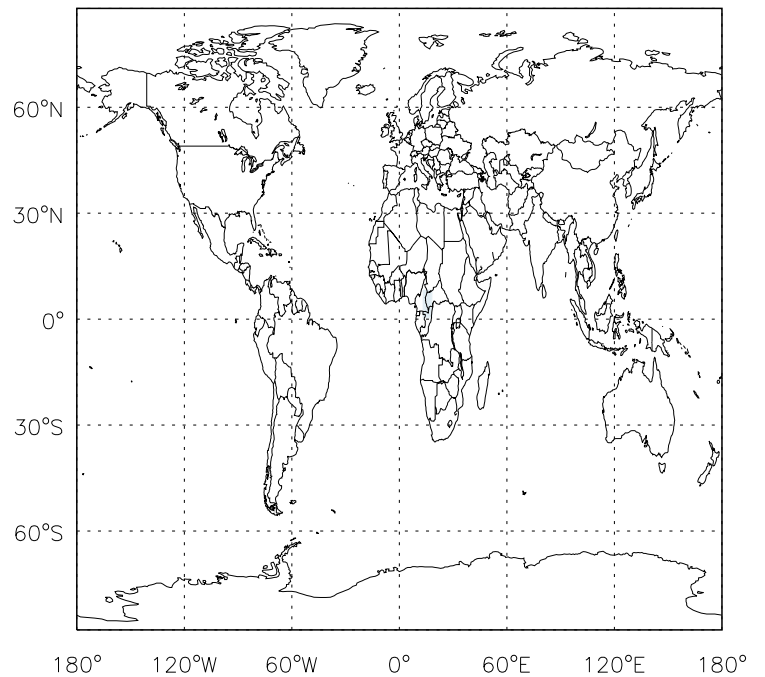
v11-01b-Run0 - v10-01i-geosfp-Run0

GLYC - Diff @ Surface for Apr



v11-01b-Run0 - v10-01i-geosfp-Run0

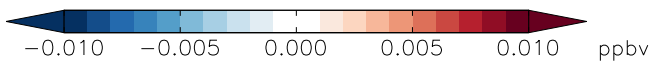
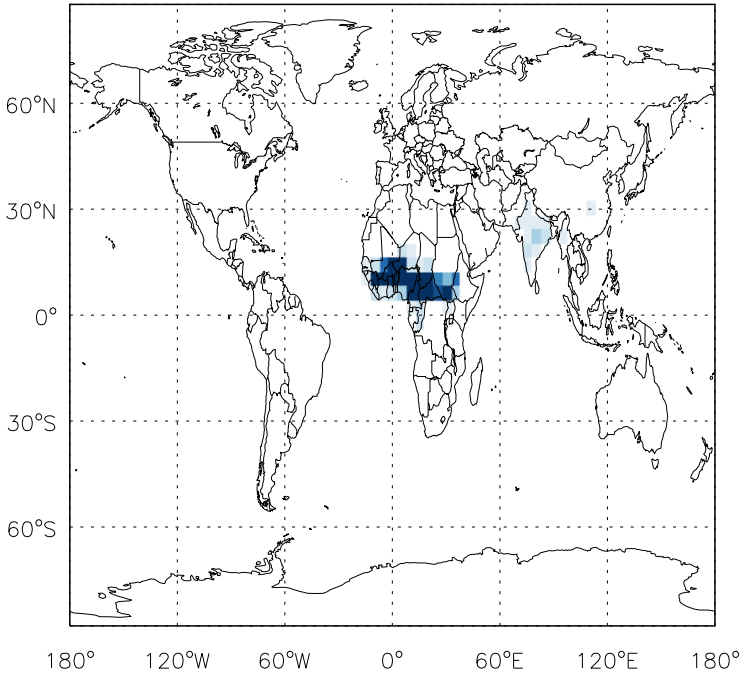
GLYC - Diff @ 500 hPa for Apr



# GEOS-Chem Difference Maps at surface and 500 hPa

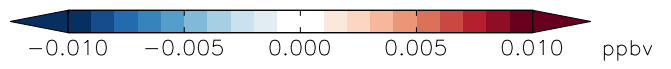
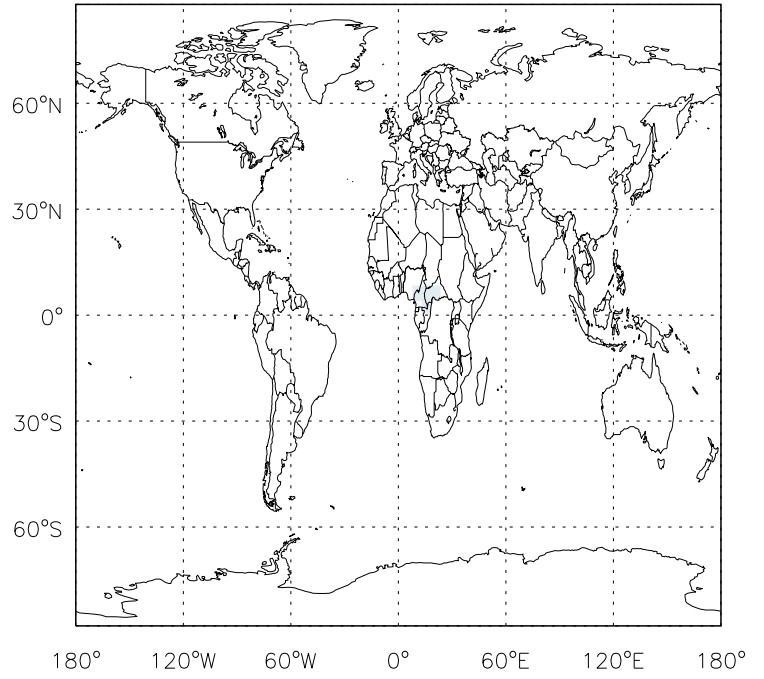
v11-01b-Run0 - v10-01-public-Run0

MMN - Diff @ Surface for Apr



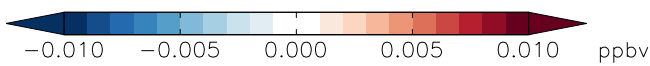
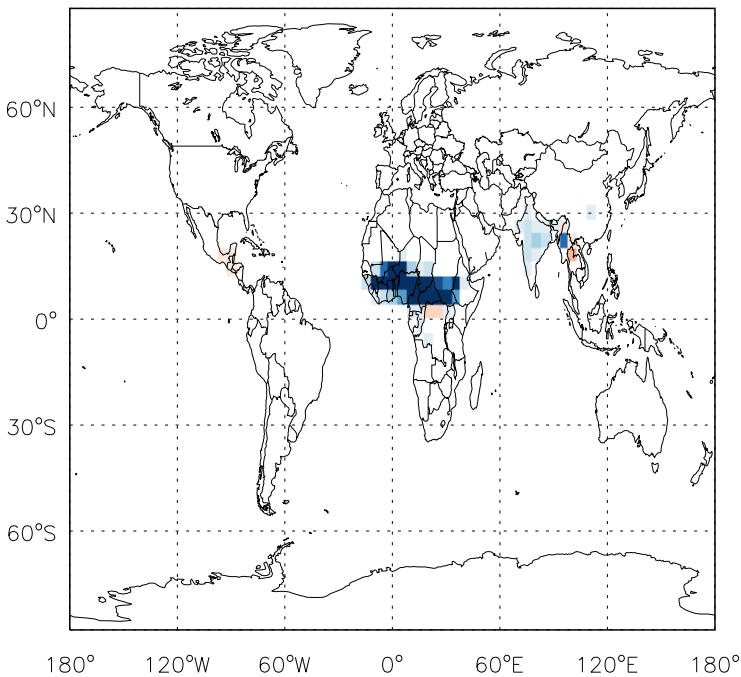
v11-01b-Run0 - v10-01-public-Run0

MMN - Diff @ 500 hPa for Apr



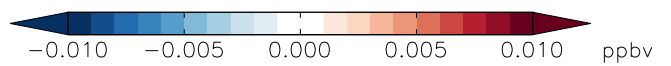
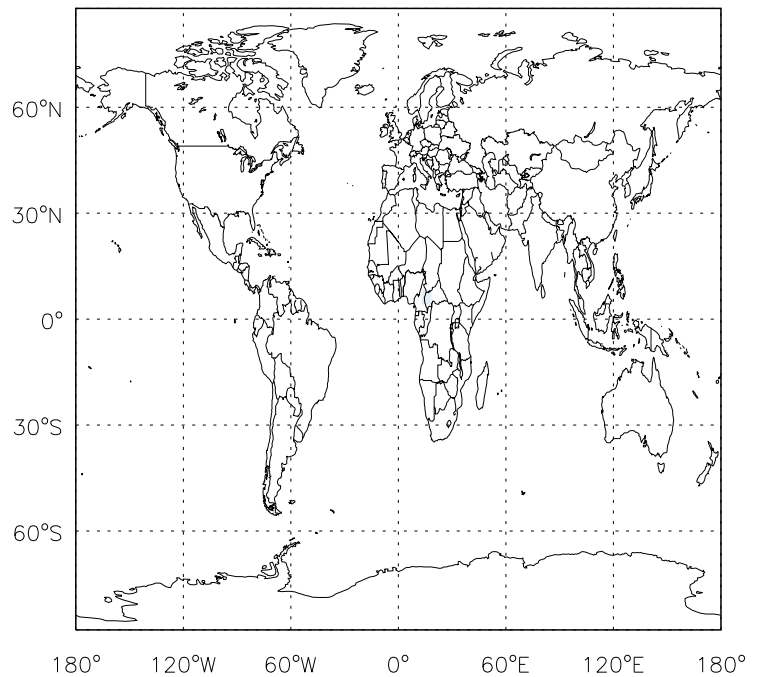
v11-01b-Run0 - v10-01i-geosfp-Run0

MMN - Diff @ Surface for Apr



v11-01b-Run0 - v10-01i-geosfp-Run0

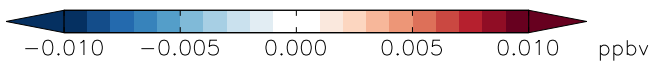
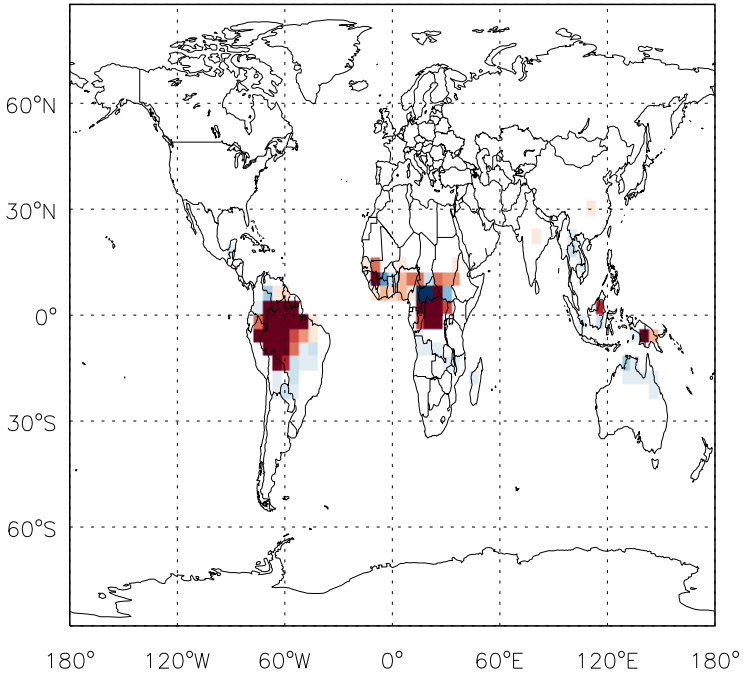
MMN - Diff @ 500 hPa for Apr



# GEOS-Chem Difference Maps at surface and 500 hPa

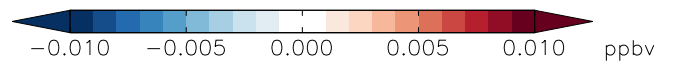
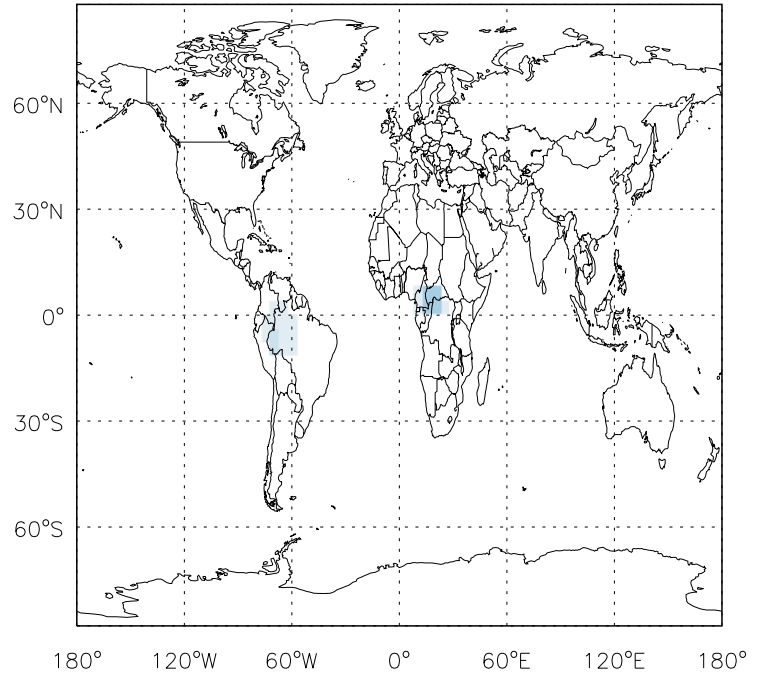
v11-01b-Run0 - v10-01-public-Run0

RIP - Diff @ Surface for Apr



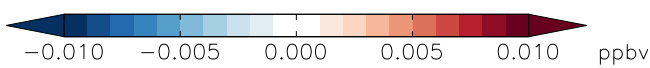
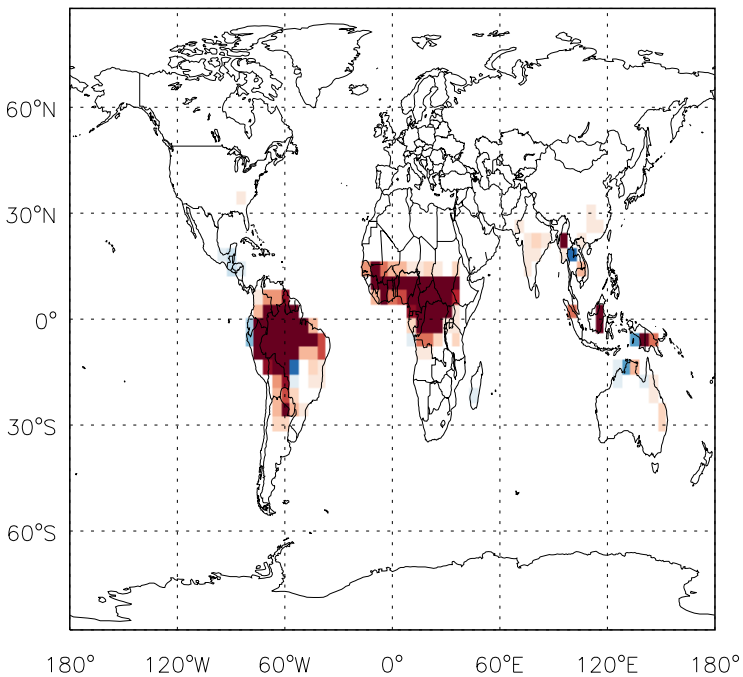
v11-01b-Run0 - v10-01-public-Run0

RIP - Diff @ 500 hPa for Apr



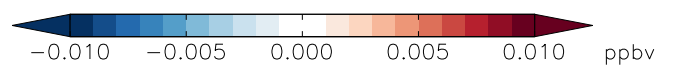
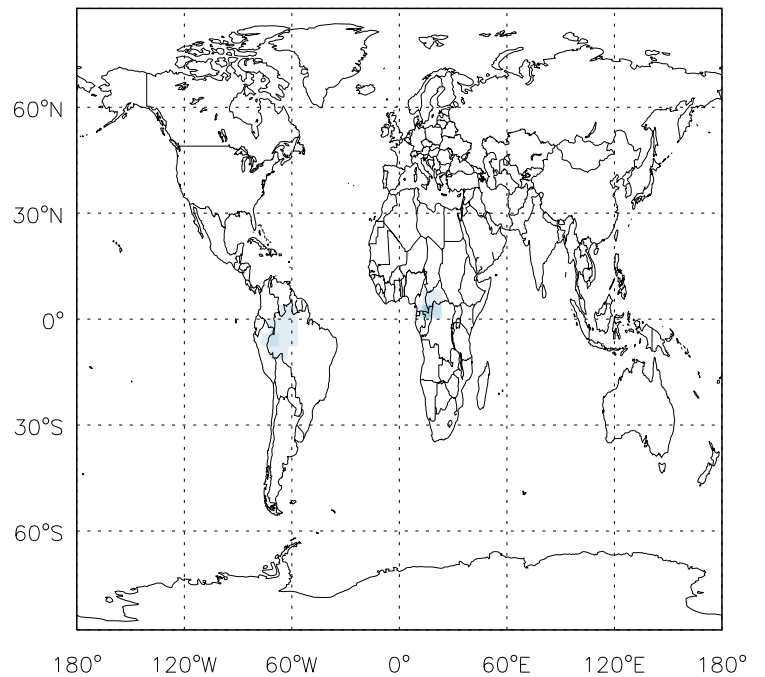
v11-01b-Run0 - v10-01i-geosfp-Run0

RIP - Diff @ Surface for Apr



v11-01b-Run0 - v10-01i-geosfp-Run0

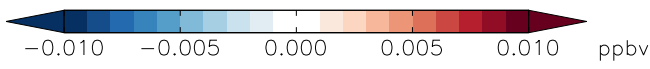
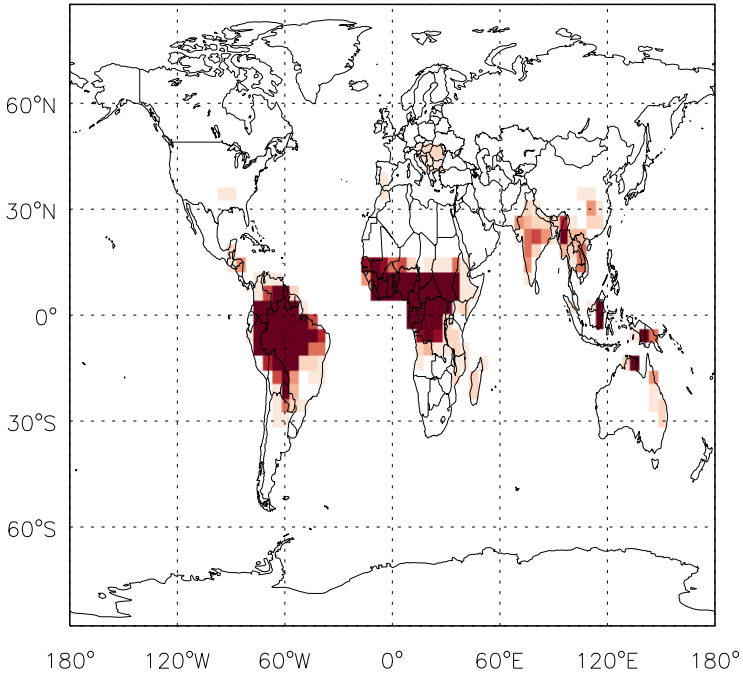
RIP - Diff @ 500 hPa for Apr



# GEOS-Chem Difference Maps at surface and 500 hPa

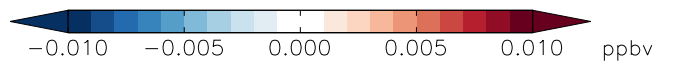
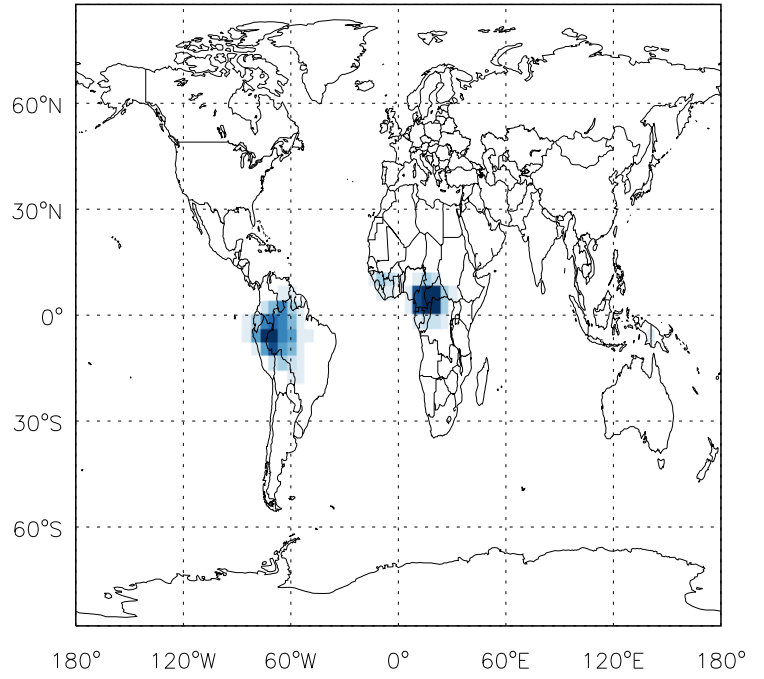
v11-01b-Run0 - v10-01-public-Run0

IEPOX - Diff @ Surface for Apr



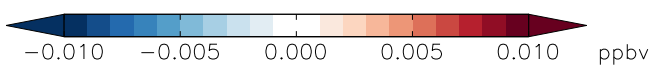
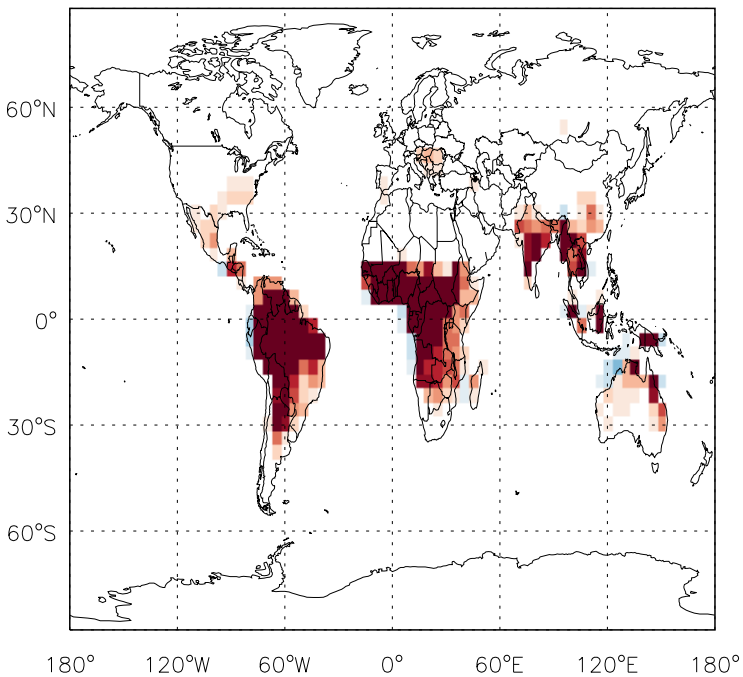
v11-01b-Run0 - v10-01-public-Run0

IEPOX - Diff @ 500 hPa for Apr



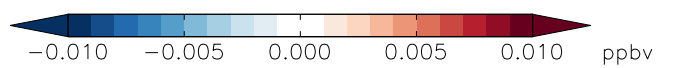
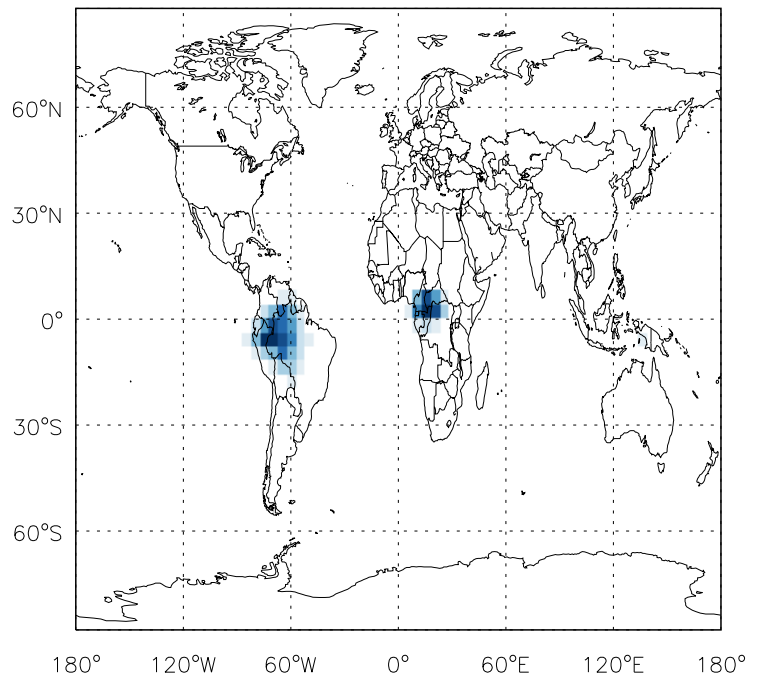
v11-01b-Run0 - v10-01i-geosfp-Run0

IEPOX - Diff @ Surface for Apr



v11-01b-Run0 - v10-01i-geosfp-Run0

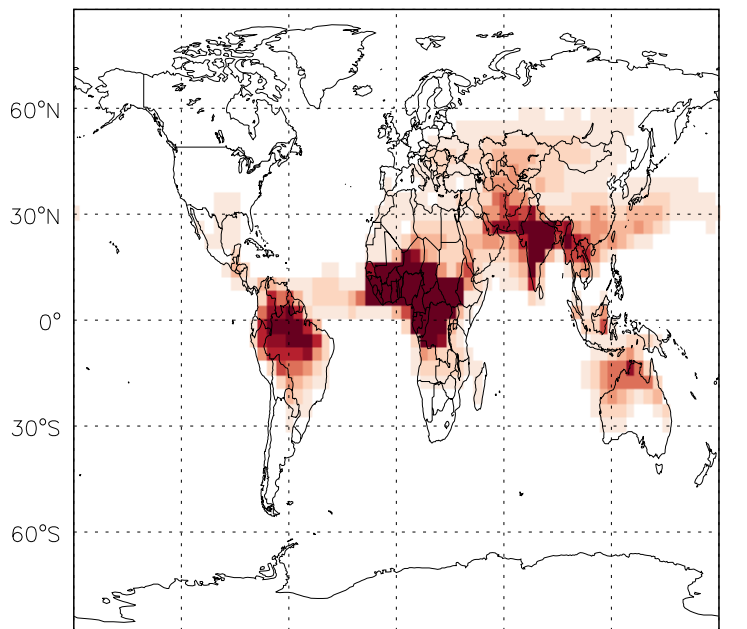
IEPOX - Diff @ 500 hPa for Apr



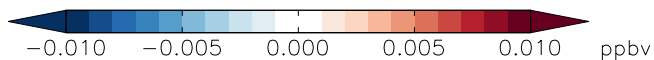
# GEOS-Chem Difference Maps at surface and 500 hPa

v11-01b-Run0 - v10-01-public-Run0

MAP - Diff @ Surface for Apr

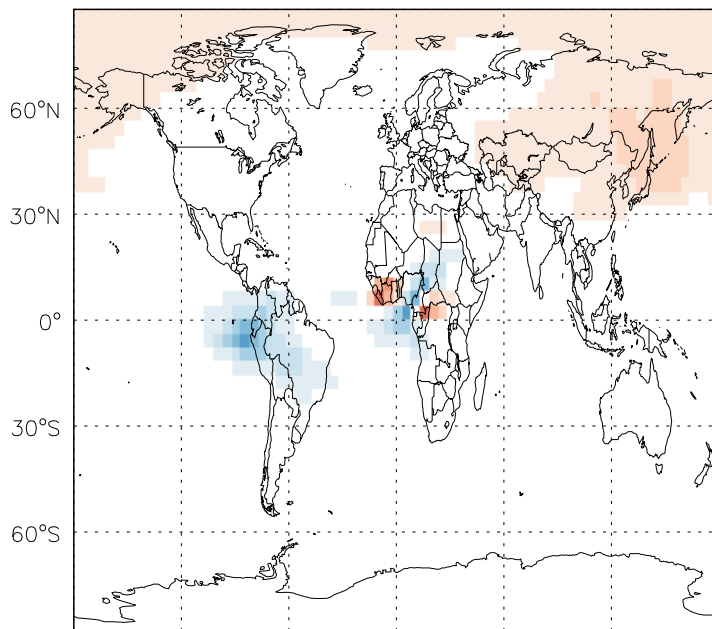


180° 120°W 60°W 0° 60°E 120°E 180°

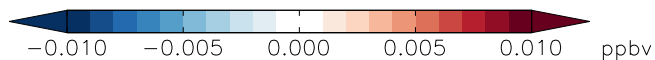


v11-01b-Run0 - v10-01-public-Run0

MAP - Diff @ 500 hPa for Apr

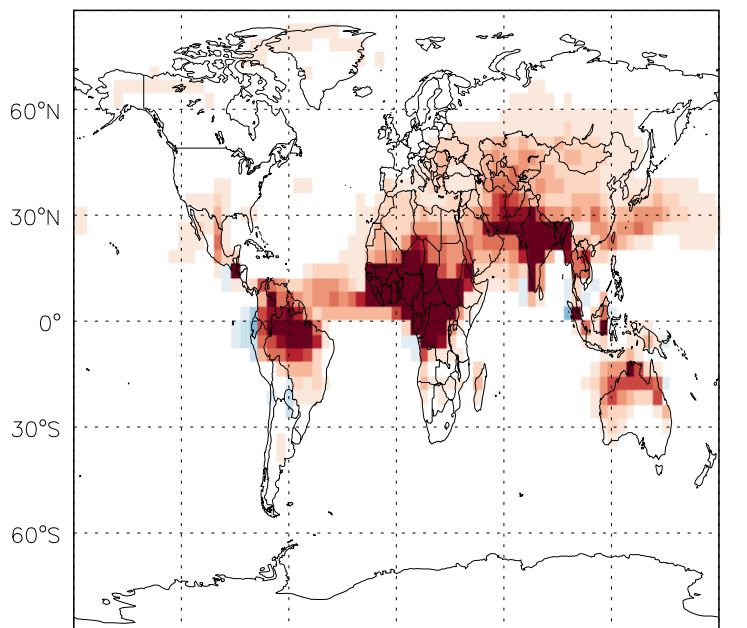


180° 120°W 60°W 0° 60°E 120°E 180°

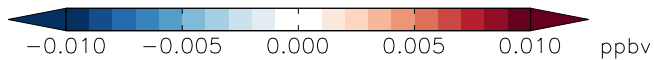


v11-01b-Run0 - v10-01i-geosfp-Run0

MAP - Diff @ Surface for Apr

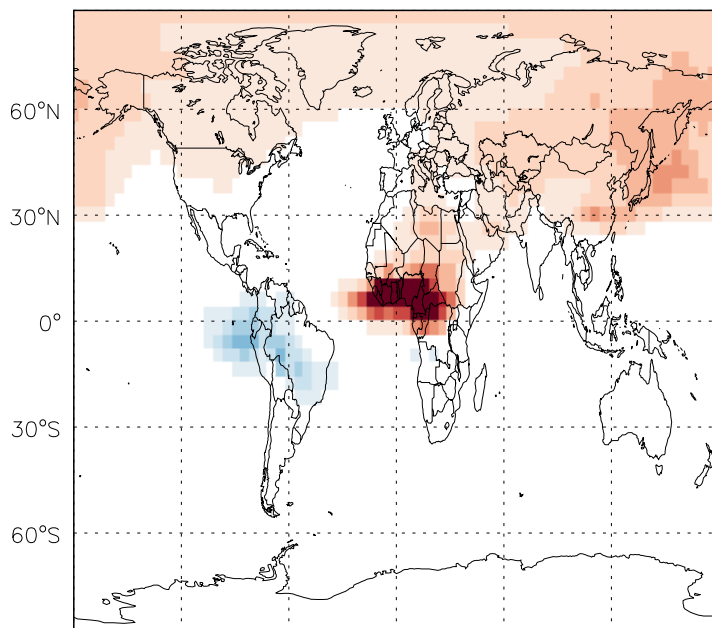


180° 120°W 60°W 0° 60°E 120°E 180°

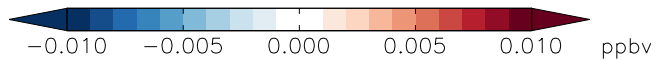


v11-01b-Run0 - v10-01i-geosfp-Run0

MAP - Diff @ 500 hPa for Apr

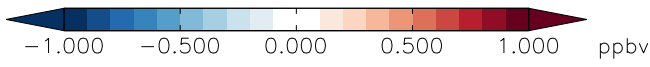
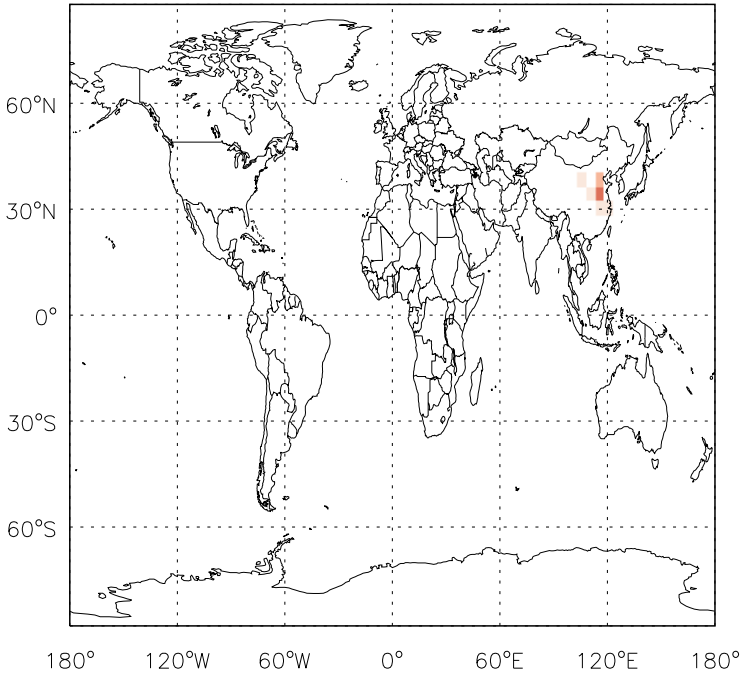


180° 120°W 60°W 0° 60°E 120°E 180°

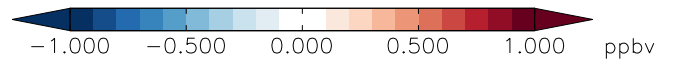
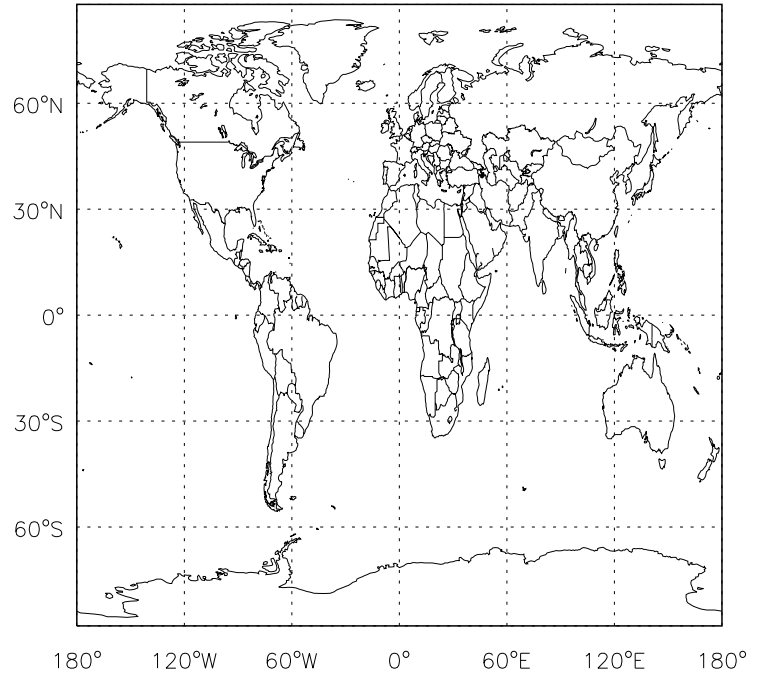


GEOS-Chem Difference Maps at surface and 500 hPa

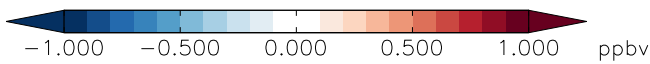
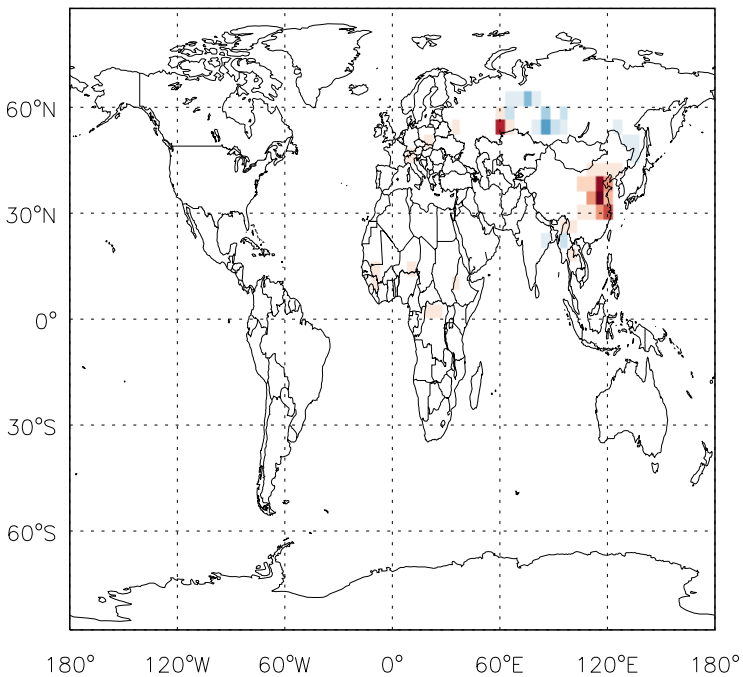
v11-01b-Run0 - v10-01-public-Run0  
NO2 - Diff @ Surface for Apr



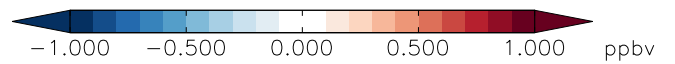
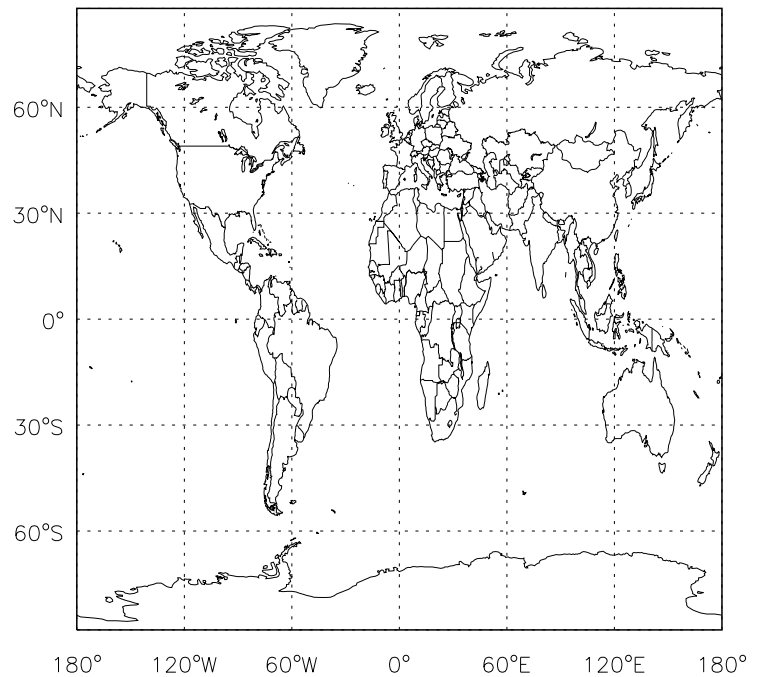
v11-01b-Run0 - v10-01-public-Run0  
NO2 - Diff @ 500 hPa for Apr



v11-01b-Run0 - v10-01i-geosfp-Run0  
NO2 - Diff @ Surface for Apr



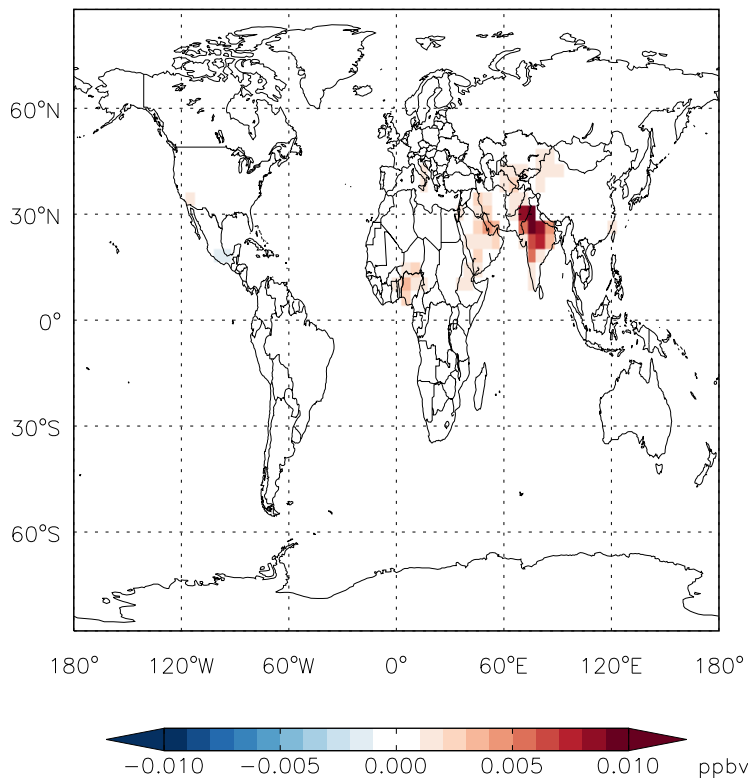
v11-01b-Run0 - v10-01i-geosfp-Run0  
NO2 - Diff @ 500 hPa for Apr



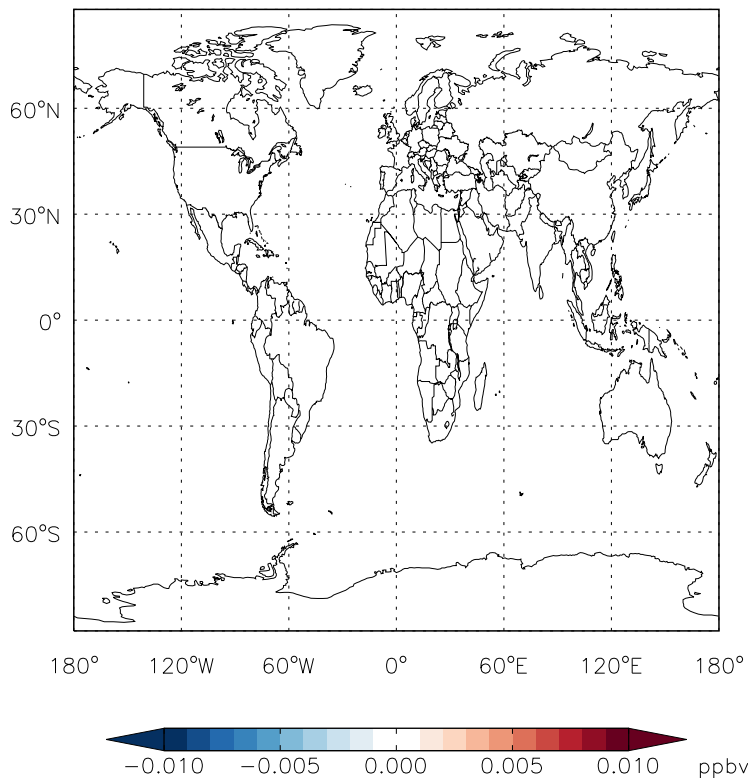


# GEOS-Chem Difference Maps at surface and 500 hPa

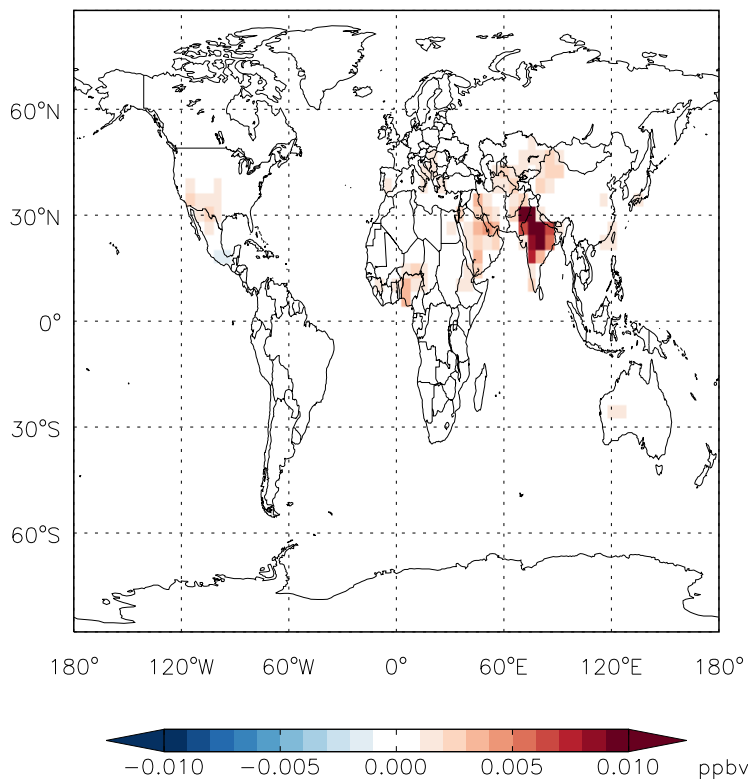
v11-01b-Run0 - v10-01-public-Run0  
NO3 - Diff @ Surface for Apr



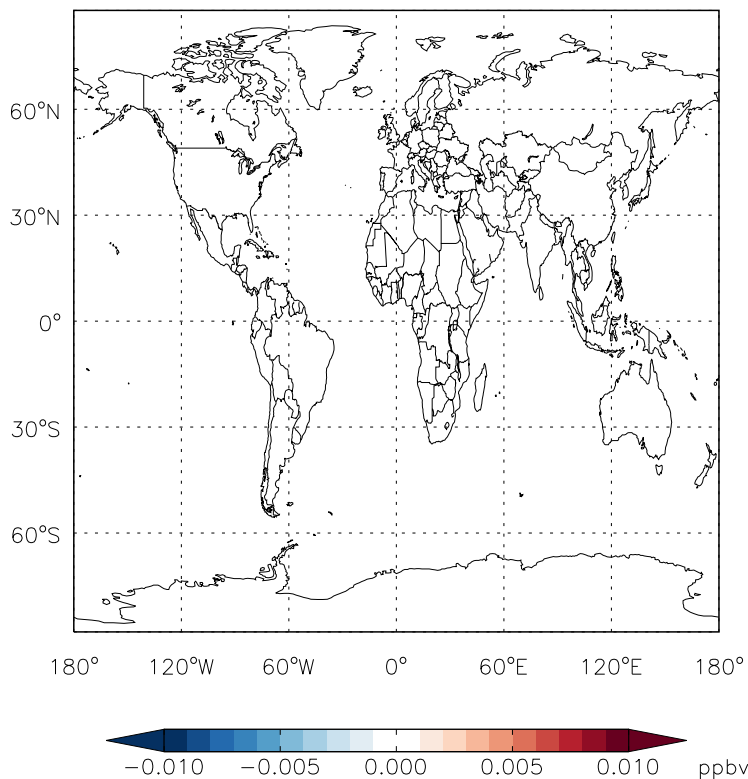
v11-01b-Run0 - v10-01-public-Run0  
NO3- Diff @ 500 hPa for Apr



v11-01b-Run0 - v10-01i-geosfp-Run0  
NO3 - Diff @ Surface for Apr

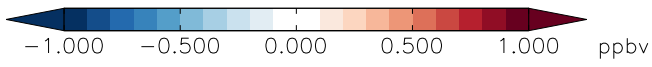
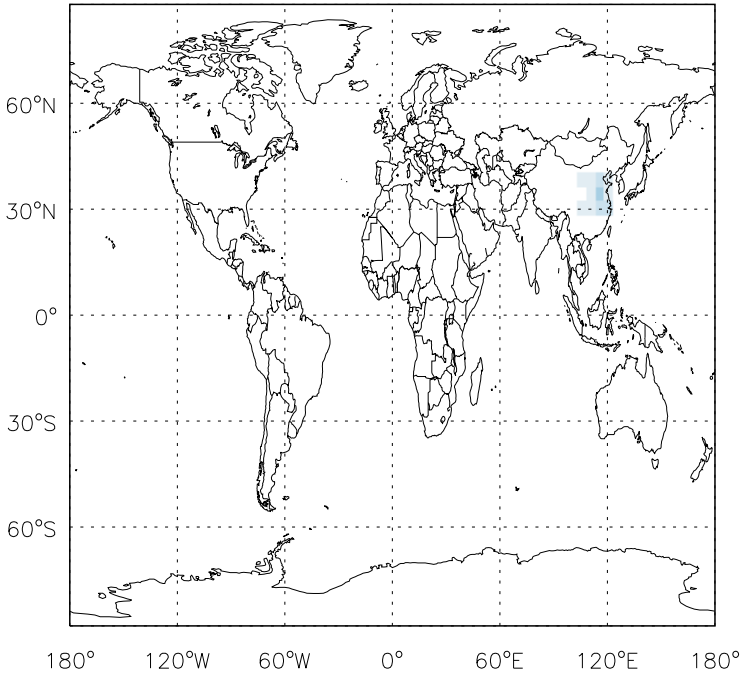


v11-01b-Run0 - v10-01i-geosfp-Run0  
NO3- Diff @ 500 hPa for Apr

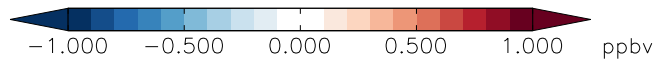
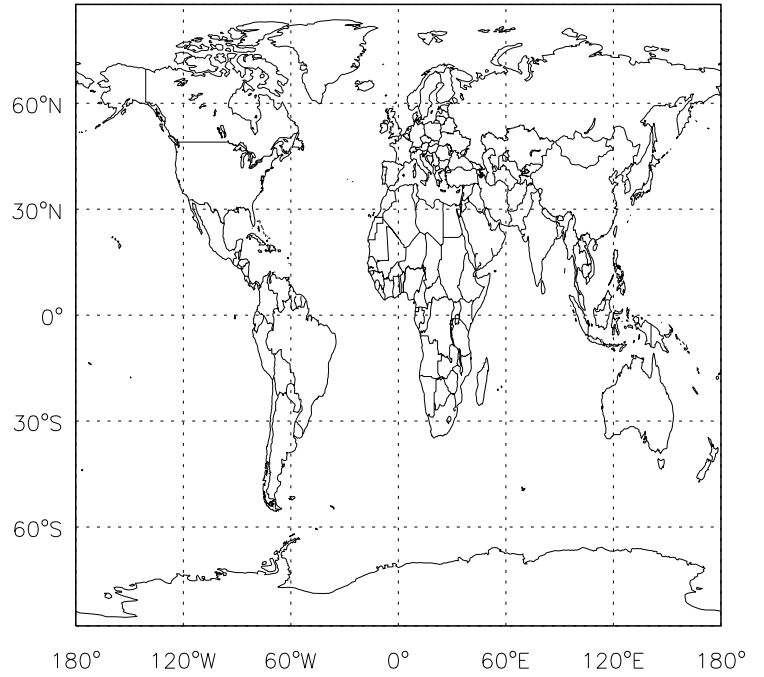


GEOS-Chem Difference Maps at surface and 500 hPa

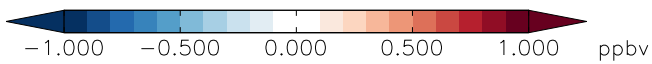
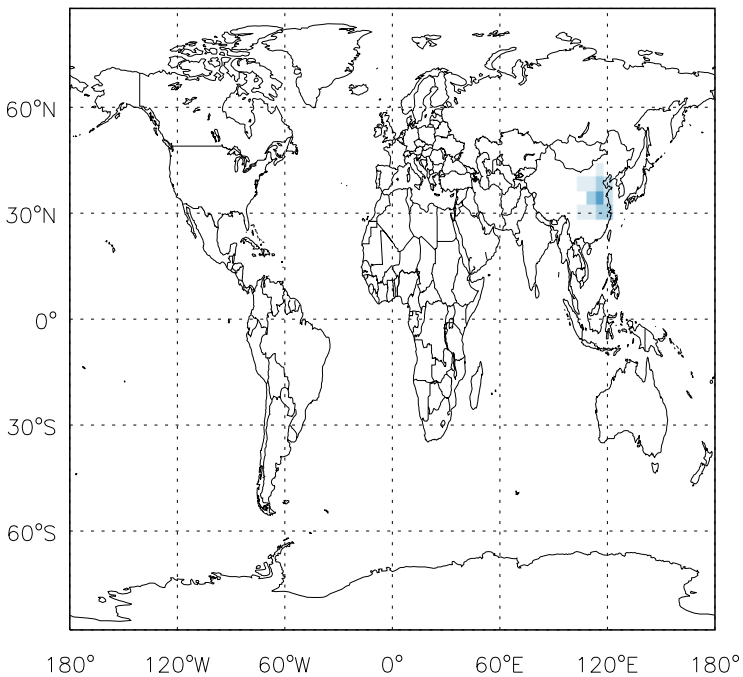
v11-01b-Run0 - v10-01-public-Run0  
HNO<sub>2</sub> - Diff @ Surface for Apr



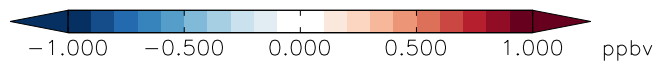
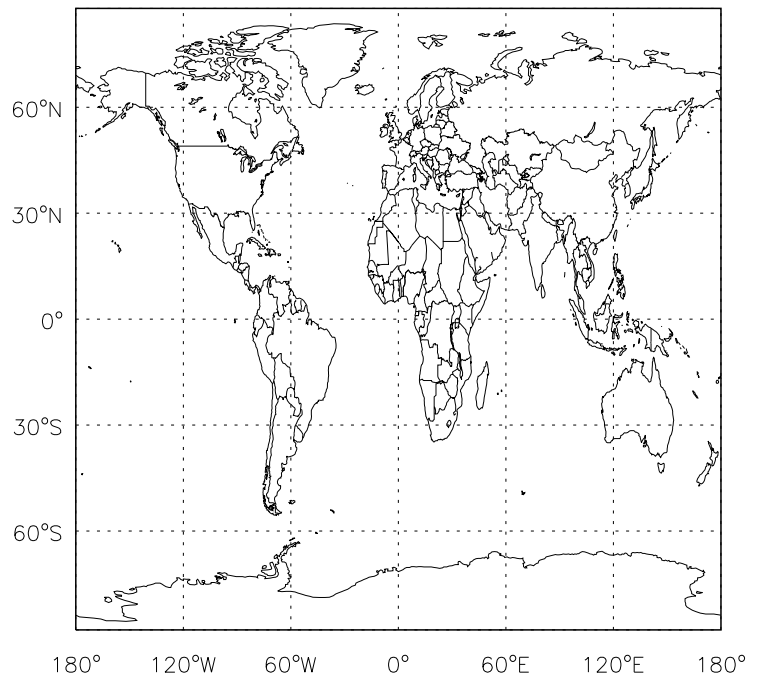
v11-01b-Run0 - v10-01-public-Run0  
HNO<sub>2</sub> - Diff @ 500 hPa for Apr



v11-01b-Run0 - v10-01i-geosfp-Run0  
HNO<sub>2</sub> - Diff @ Surface for Apr

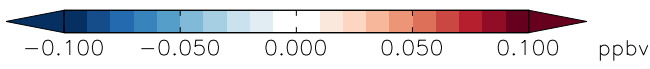
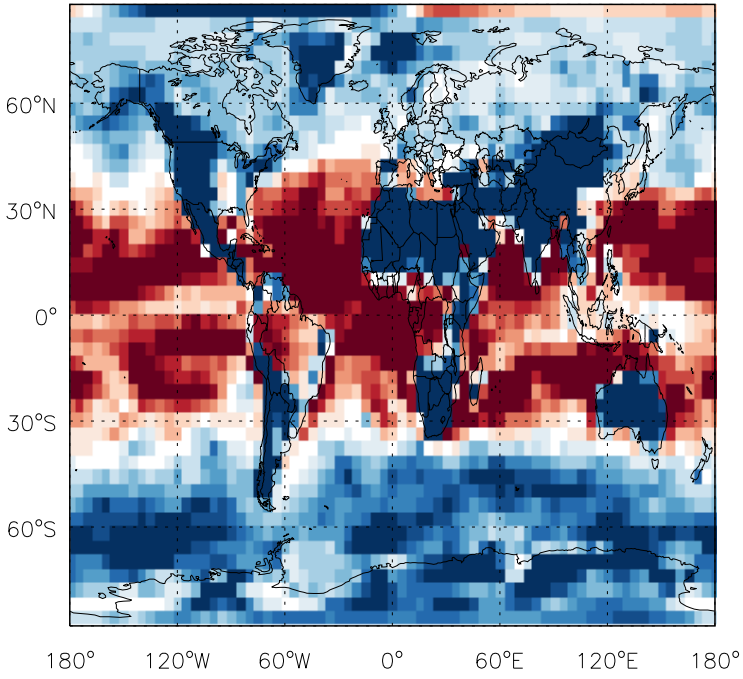


v11-01b-Run0 - v10-01i-geosfp-Run0  
HNO<sub>2</sub> - Diff @ 500 hPa for Apr

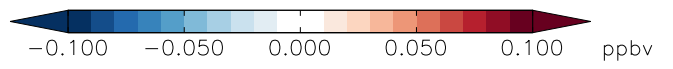
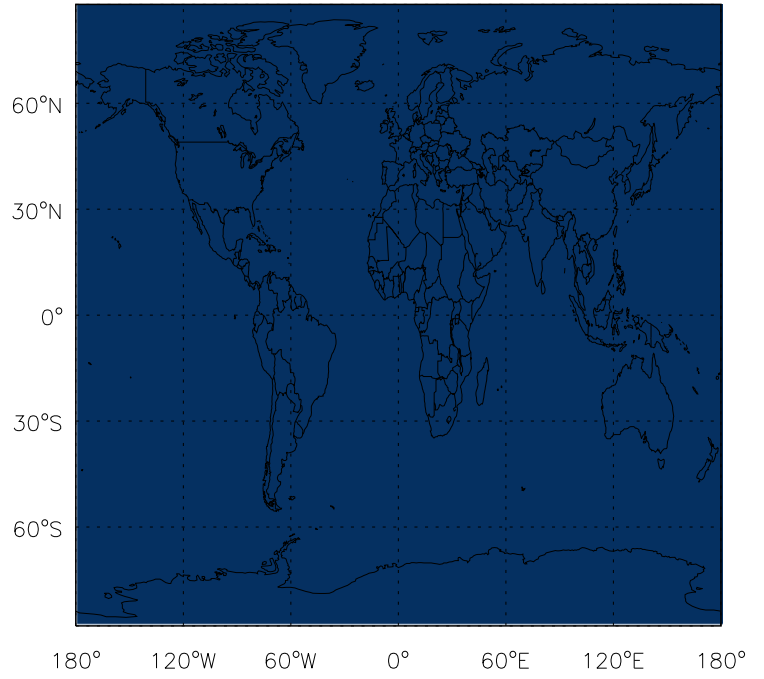


GEOS-Chem Difference Maps at surface and 500 hPa

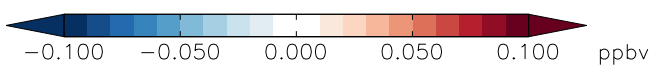
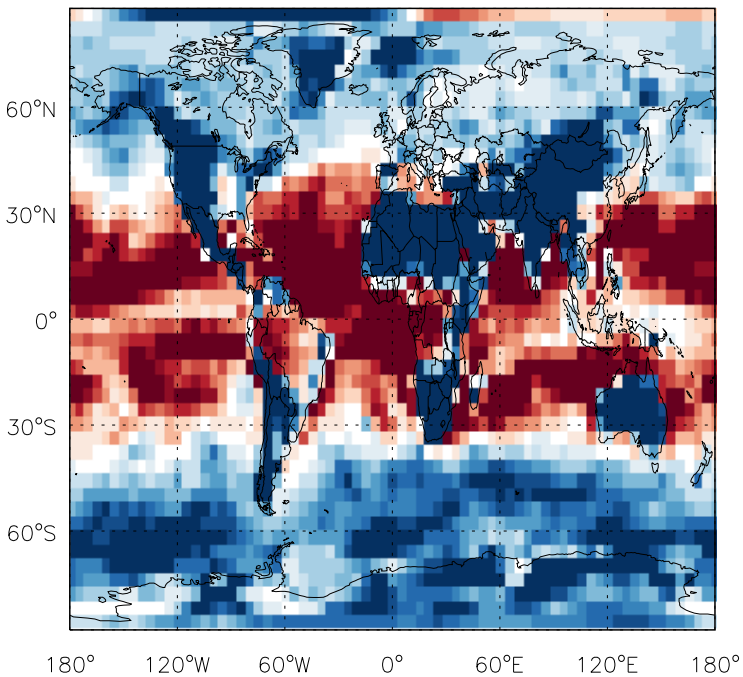
v11-01b-Run0 - v10-01-public-Run0  
N2O - Diff @ Surface for Apr



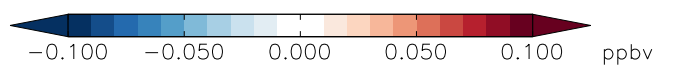
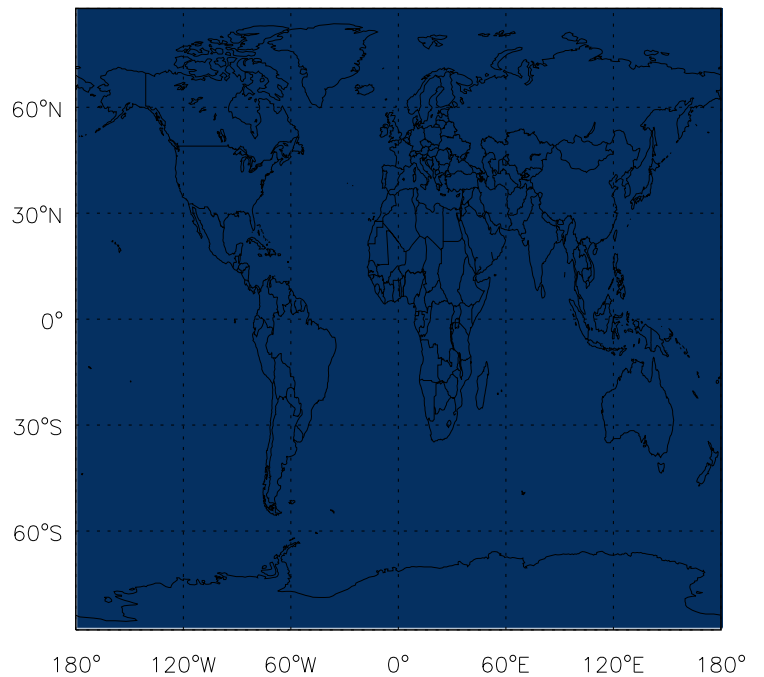
v11-01b-Run0 - v10-01-public-Run0  
N2O- Diff @ 500 hPa for Apr



v11-01b-Run0 - v10-01i-geosfp-Run0  
N2O - Diff @ Surface for Apr



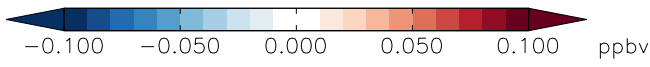
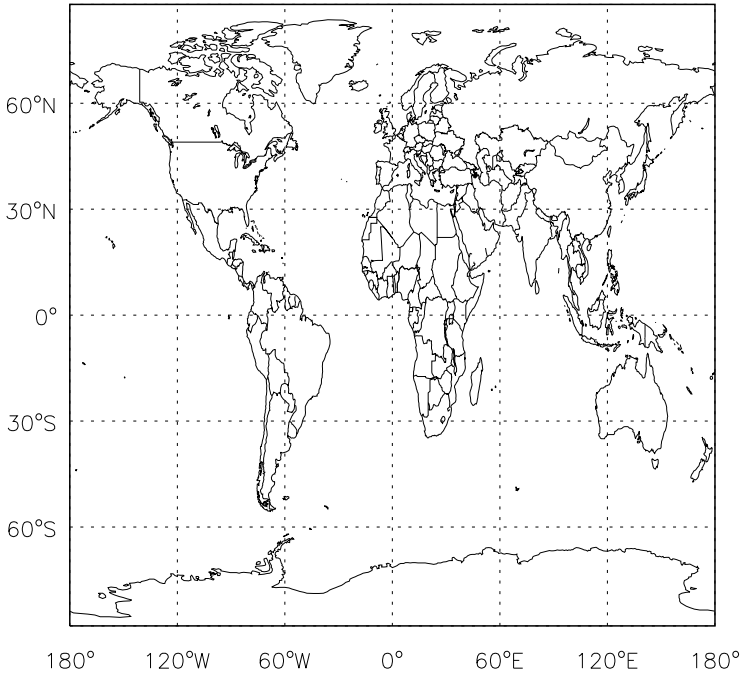
v11-01b-Run0 - v10-01i-geosfp-Run0  
N2O- Diff @ 500 hPa for Apr



GEOS-Chem Difference Maps at surface and 500 hPa

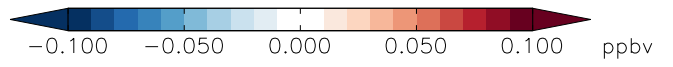
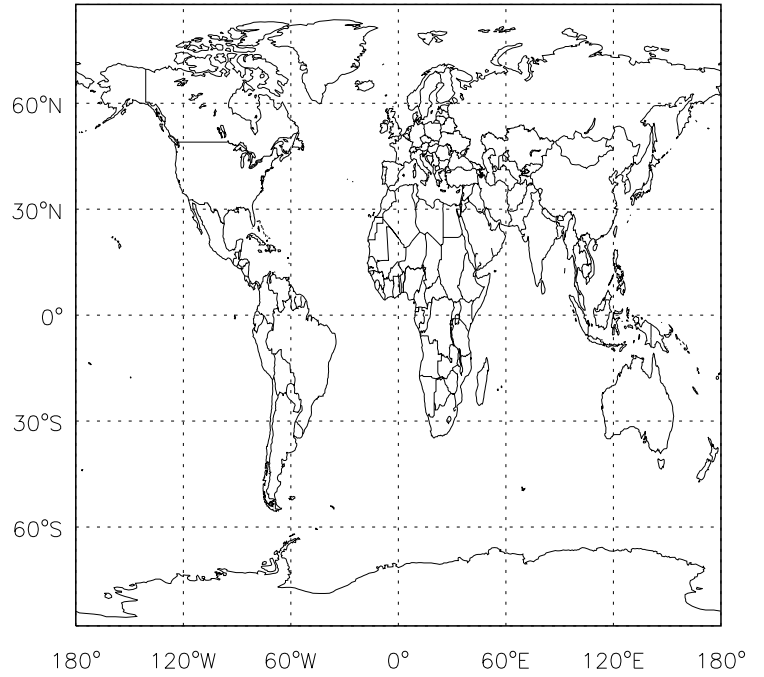
v11-01b-Run0 - v10-01-public-Run0

OCS - Diff @ Surface for Apr



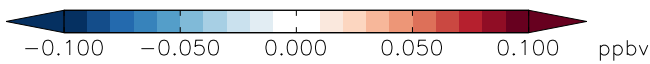
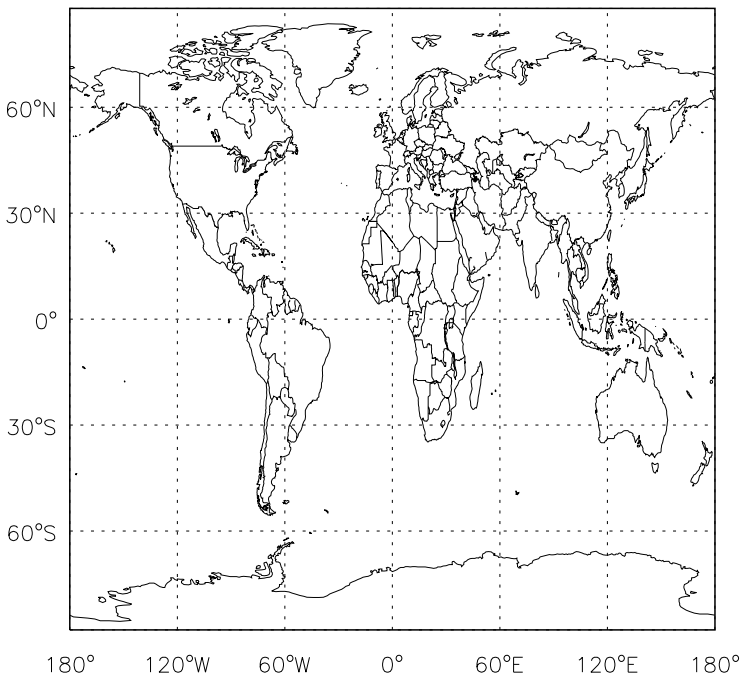
v11-01b-Run0 - v10-01-public-Run0

OCS - Diff @ 500 hPa for Apr



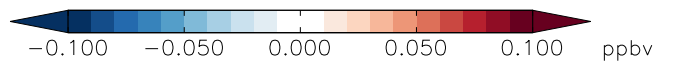
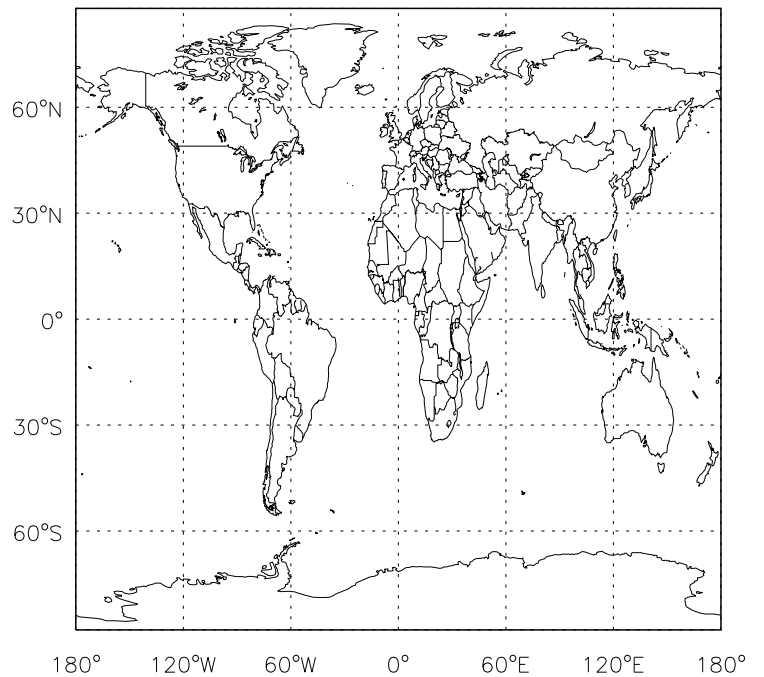
v11-01b-Run0 - v10-01i-geosfp-Run0

OCS - Diff @ Surface for Apr



v11-01b-Run0 - v10-01i-geosfp-Run0

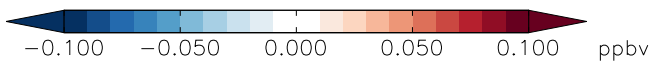
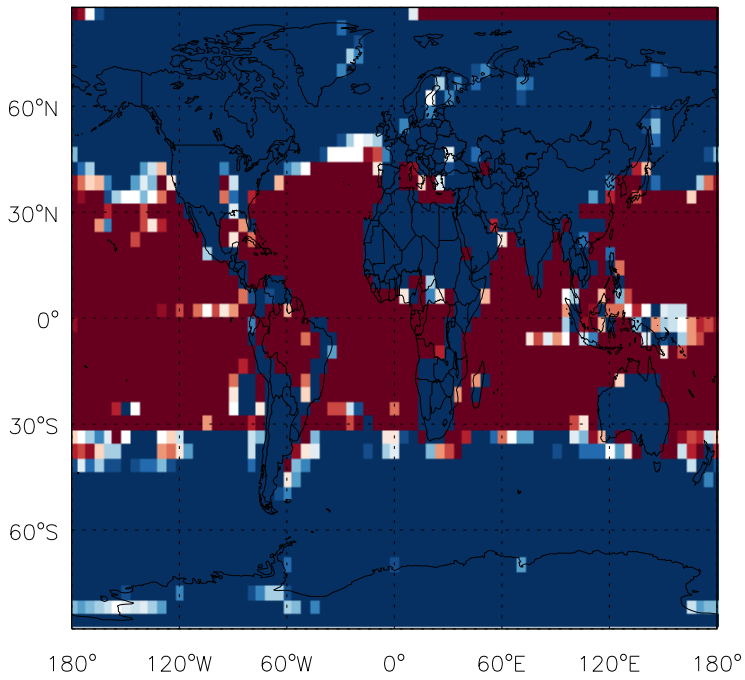
OCS - Diff @ 500 hPa for Apr



# GEOS-Chem Difference Maps at surface and 500 hPa

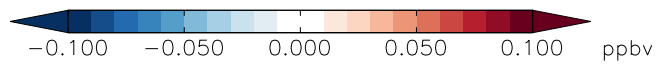
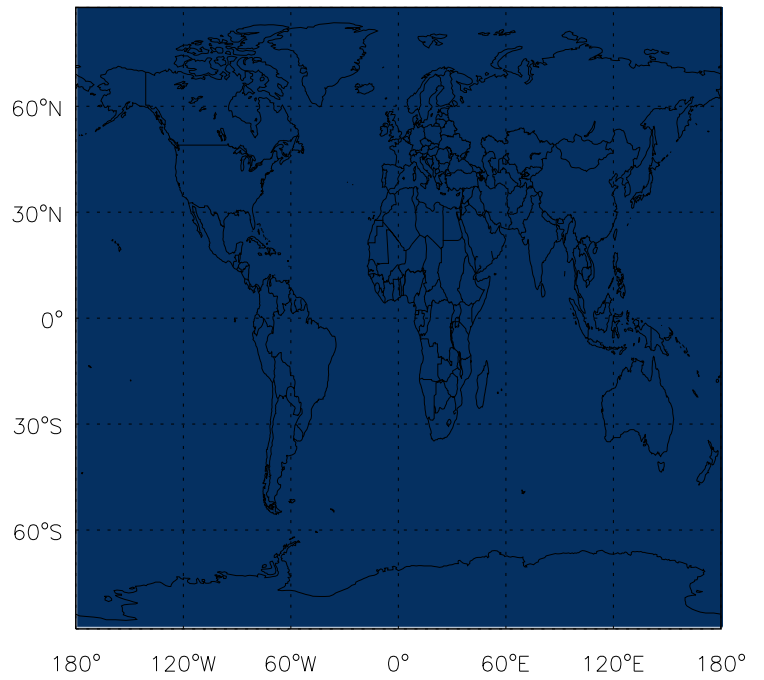
v11-01b-Run0 - v10-01-public-Run0

CH4 - Diff @ Surface for Apr



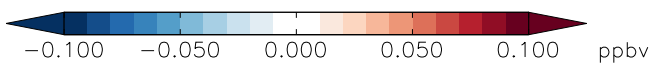
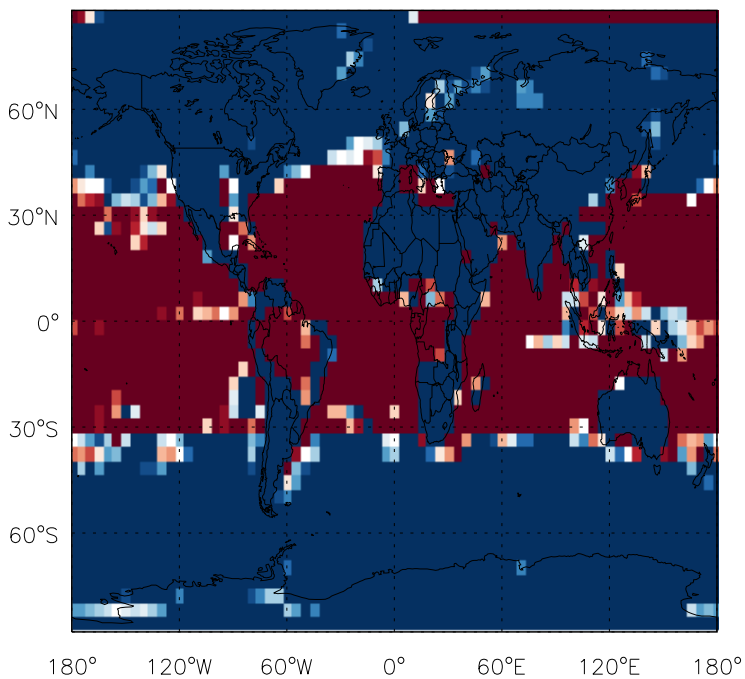
v11-01b-Run0 - v10-01-public-Run0

CH4- Diff @ 500 hPa for Apr



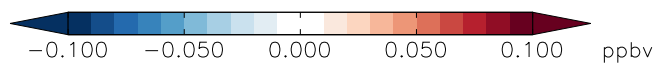
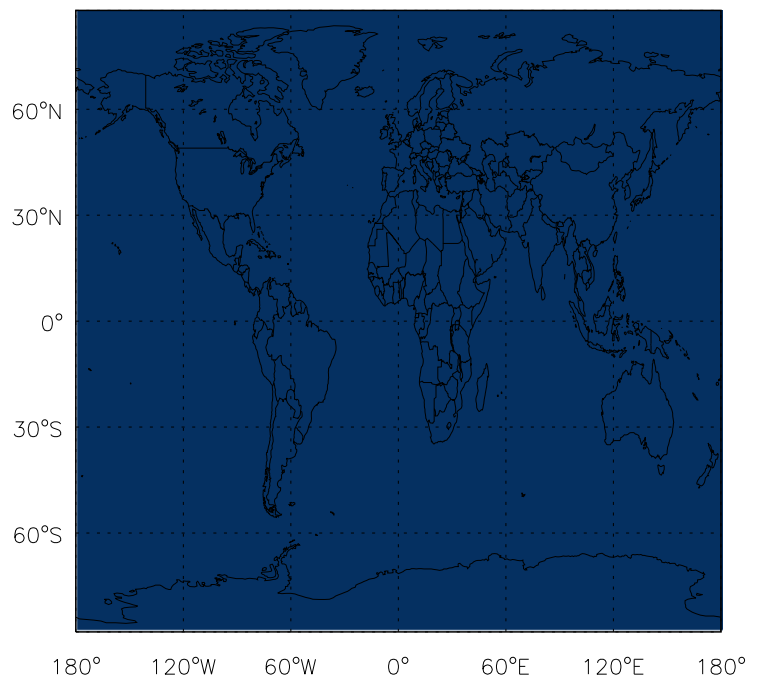
v11-01b-Run0 - v10-01i-geosfp-Run0

CH4 - Diff @ Surface for Apr



v11-01b-Run0 - v10-01i-geosfp-Run0

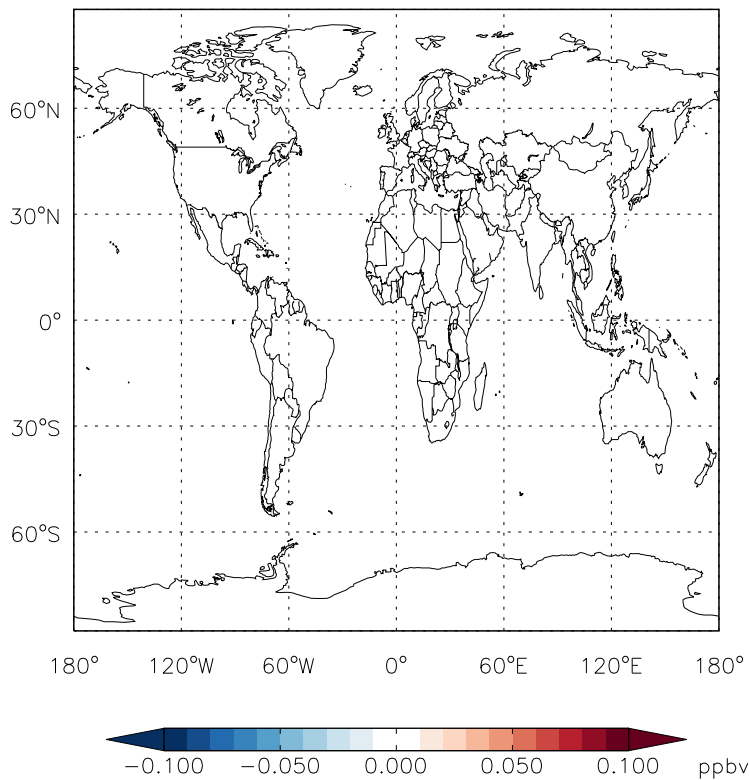
CH4- Diff @ 500 hPa for Apr



# GEOS-Chem Difference Maps at surface and 500 hPa

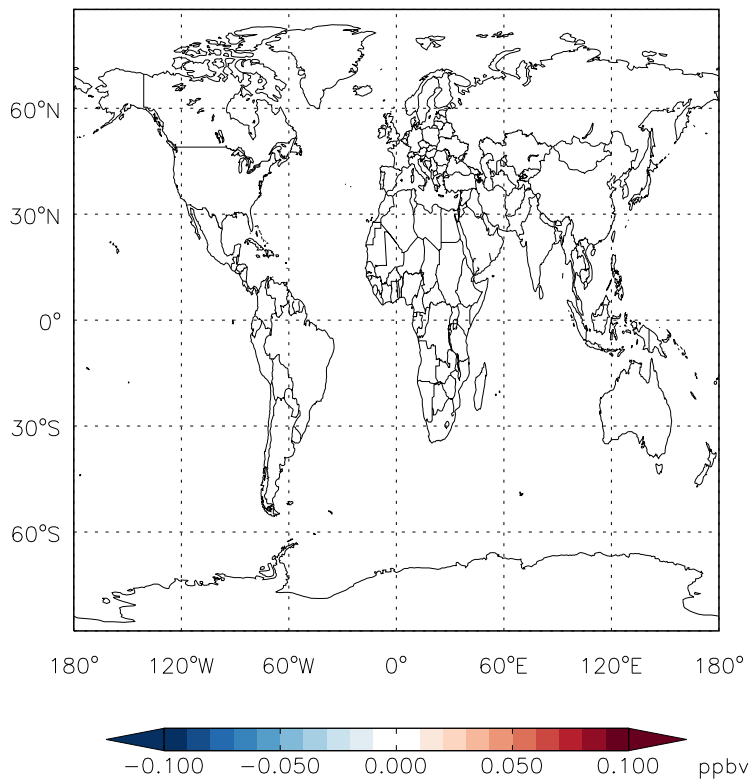
v11-01b-Run0 - v10-01-public-Run0

BrCl - Diff @ Surface for Apr



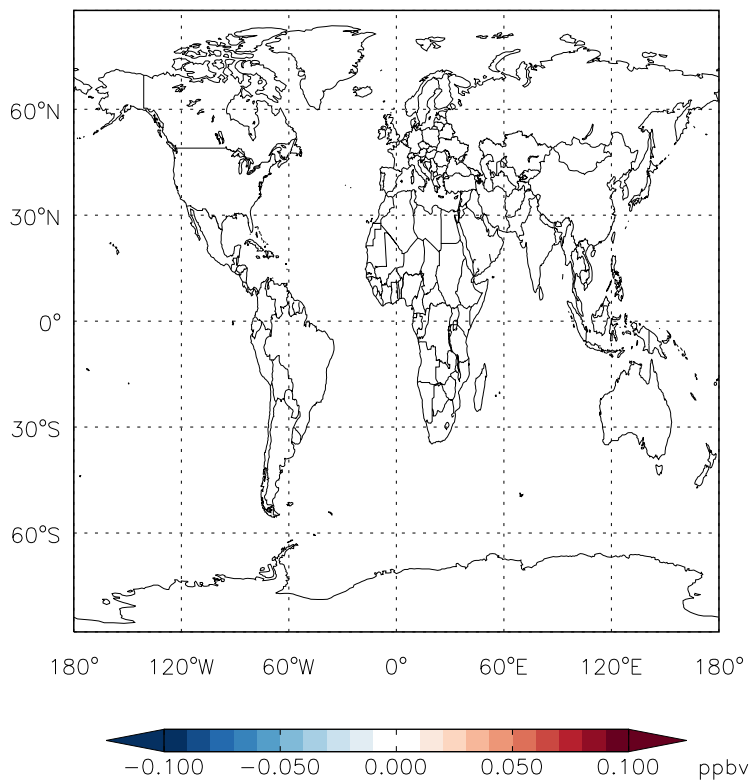
v11-01b-Run0 - v10-01-public-Run0

BrCl- Diff @ 500 hPa for Apr



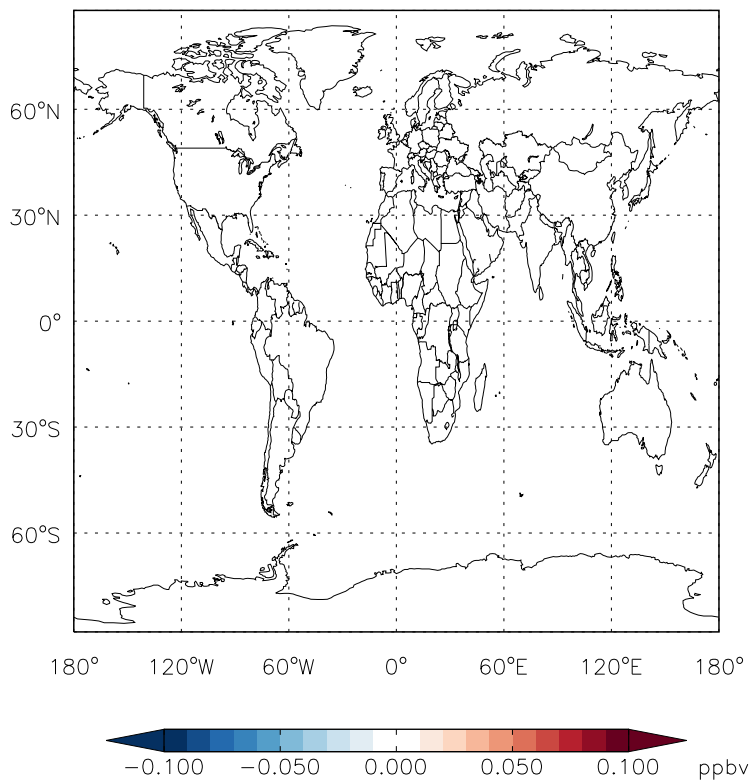
v11-01b-Run0 - v10-01i-geosfp-Run0

BrCl - Diff @ Surface for Apr



v11-01b-Run0 - v10-01i-geosfp-Run0

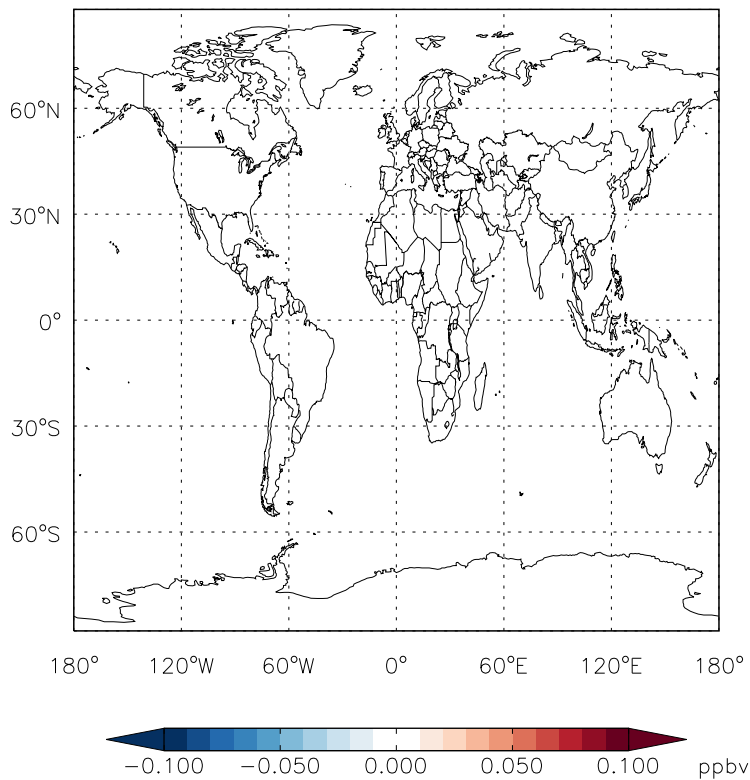
BrCl- Diff @ 500 hPa for Apr



# GEOS-Chem Difference Maps at surface and 500 hPa

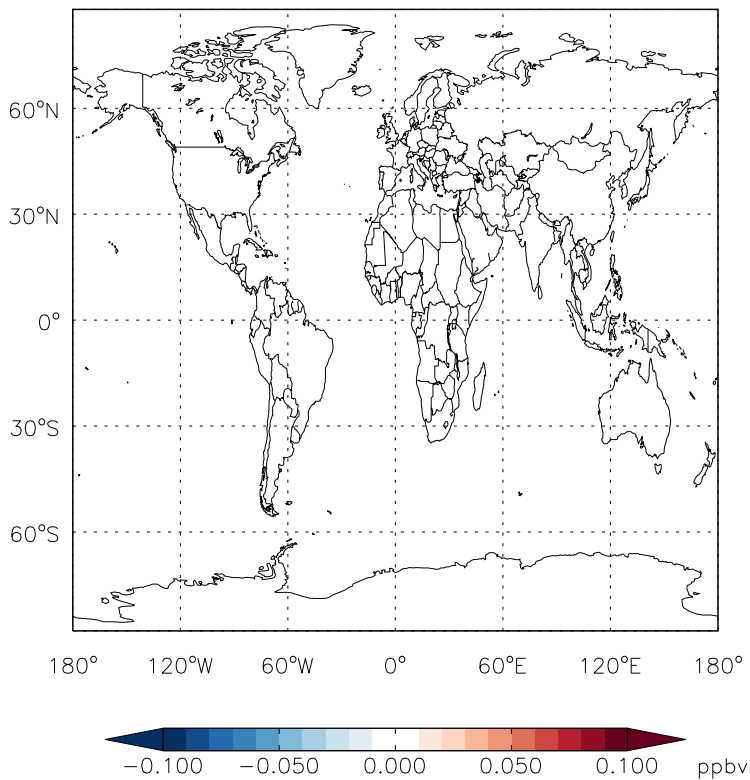
v11-01b-Run0 - v10-01-public-Run0

HCl - Diff @ Surface for Apr



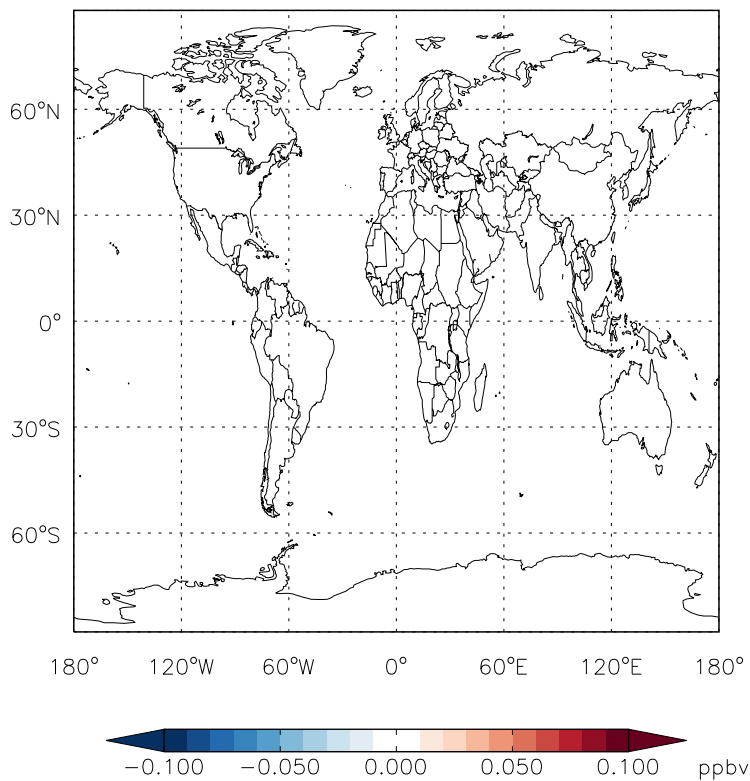
v11-01b-Run0 - v10-01-public-Run0

HCl - Diff @ 500 hPa for Apr



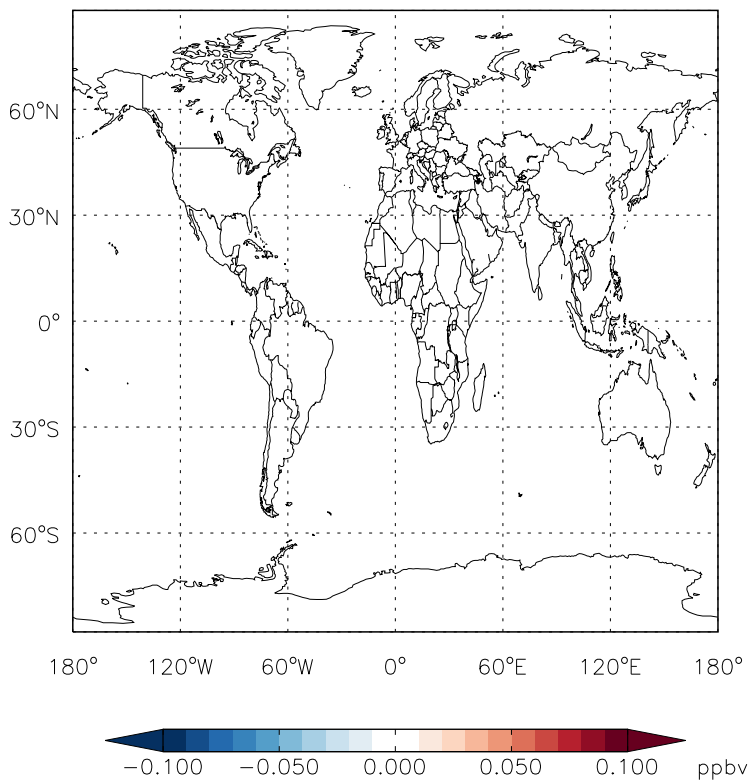
v11-01b-Run0 - v10-01i-geosfp-Run0

HCl - Diff @ Surface for Apr



v11-01b-Run0 - v10-01i-geosfp-Run0

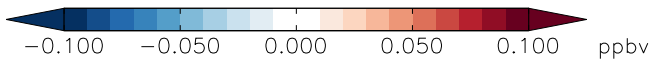
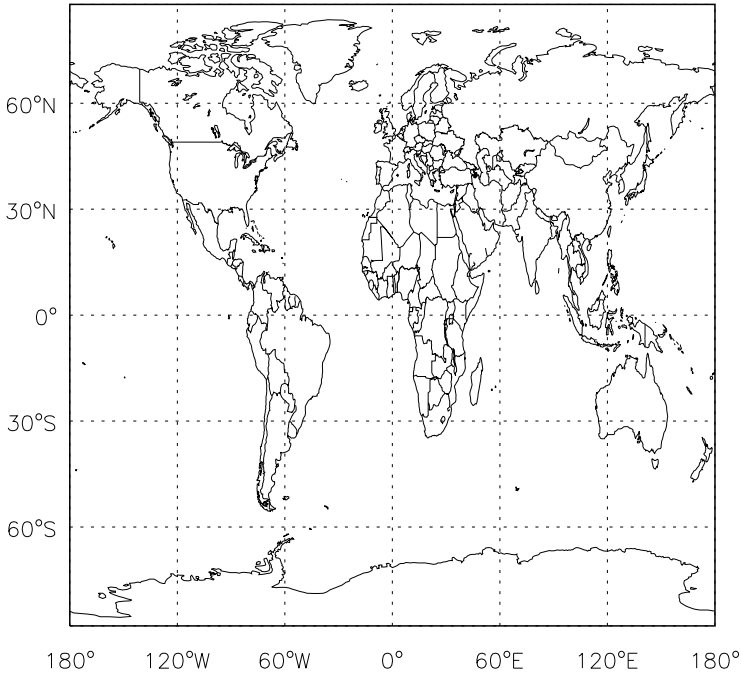
HCl - Diff @ 500 hPa for Apr



GEOS-Chem Difference Maps at surface and 500 hPa

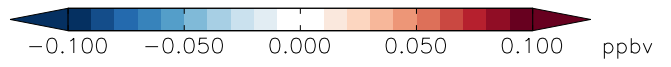
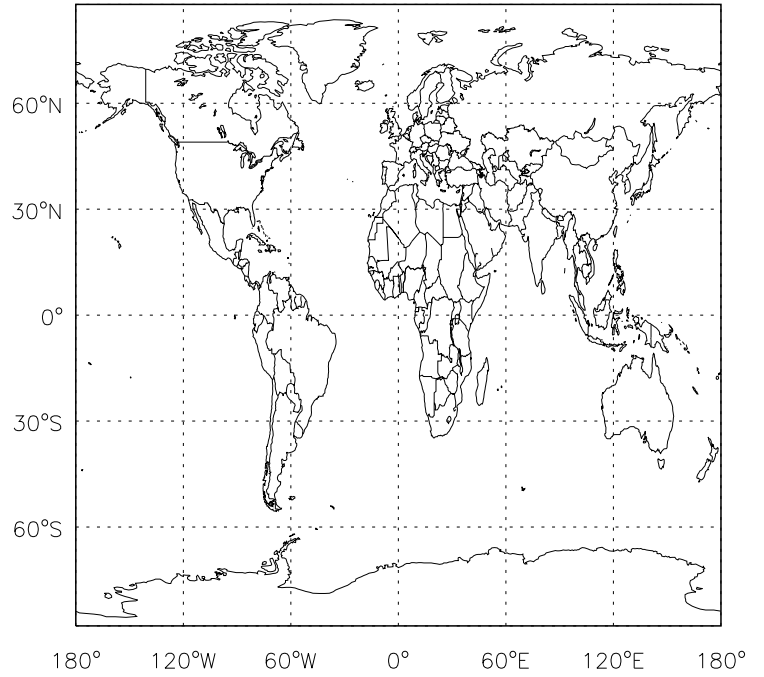
v11-01b-Run0 - v10-01-public-Run0

CCI4 - Diff @ Surface for Apr



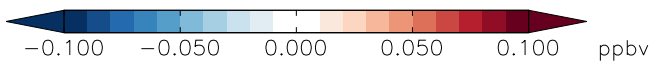
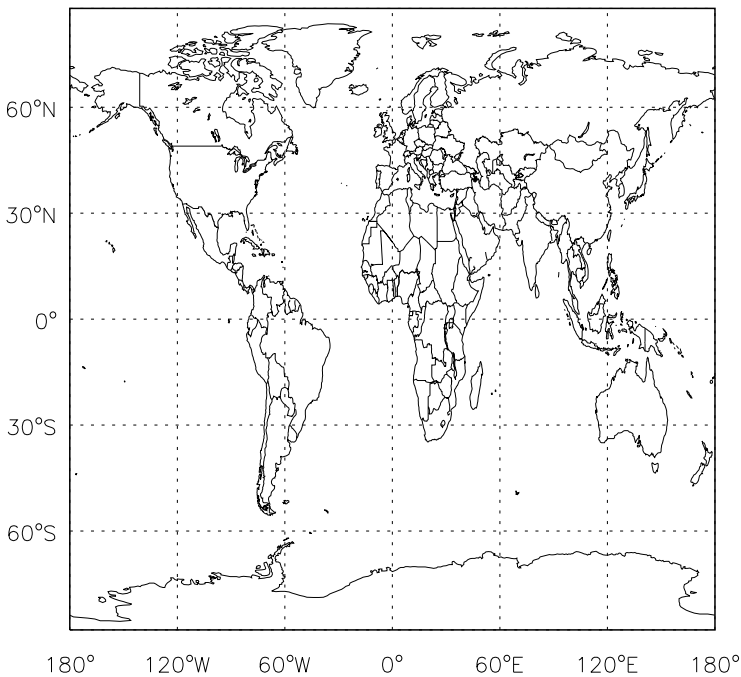
v11-01b-Run0 - v10-01-public-Run0

CCI4 - Diff @ 500 hPa for Apr



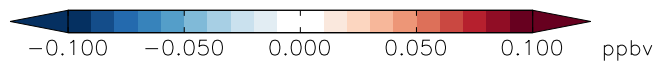
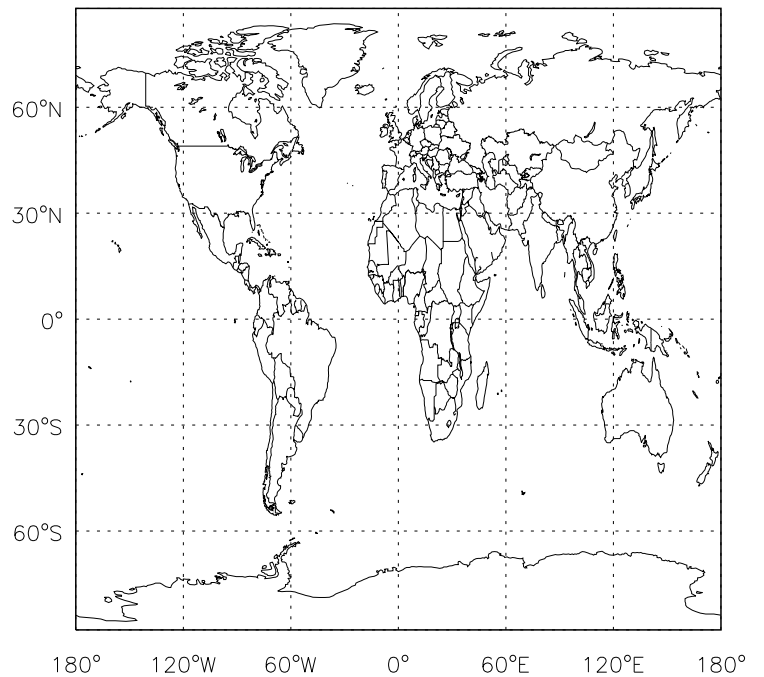
v11-01b-Run0 - v10-01i-geosfp-Run0

CCI4 - Diff @ Surface for Apr



v11-01b-Run0 - v10-01i-geosfp-Run0

CCI4 - Diff @ 500 hPa for Apr

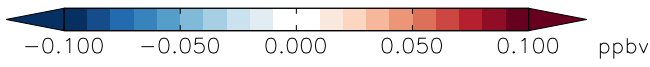
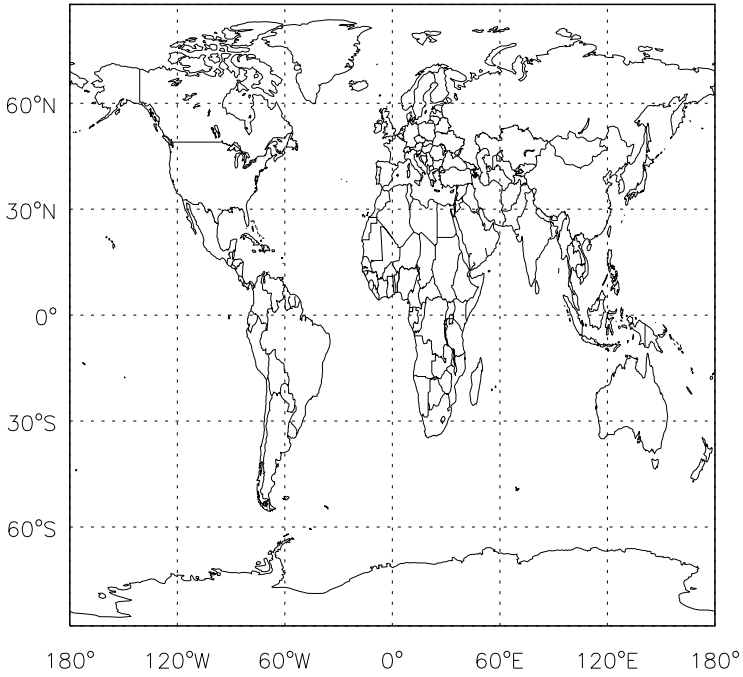




# GEOS-Chem Difference Maps at surface and 500 hPa

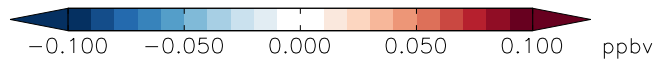
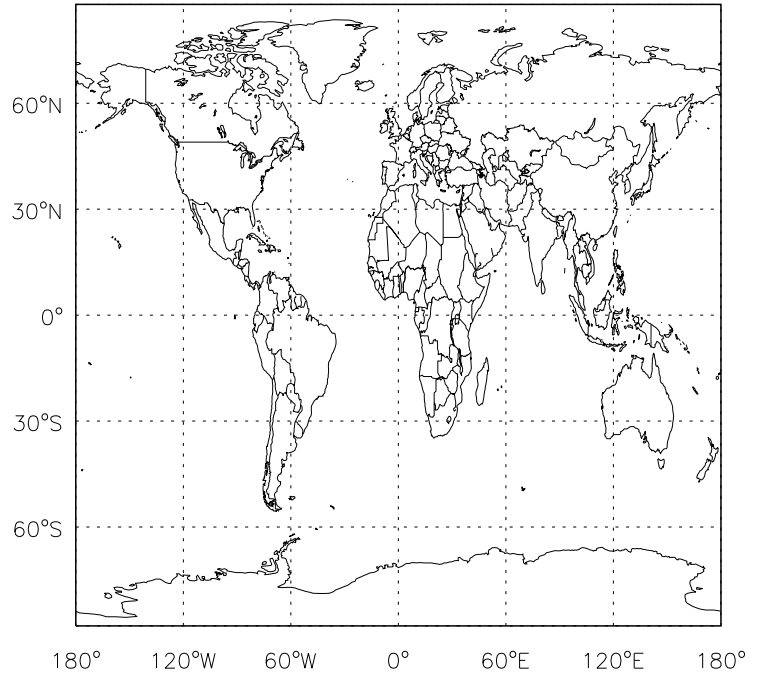
v11-01b-Run0 - v10-01-public-Run0

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



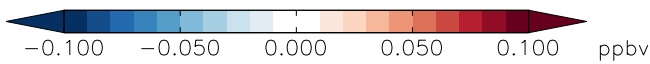
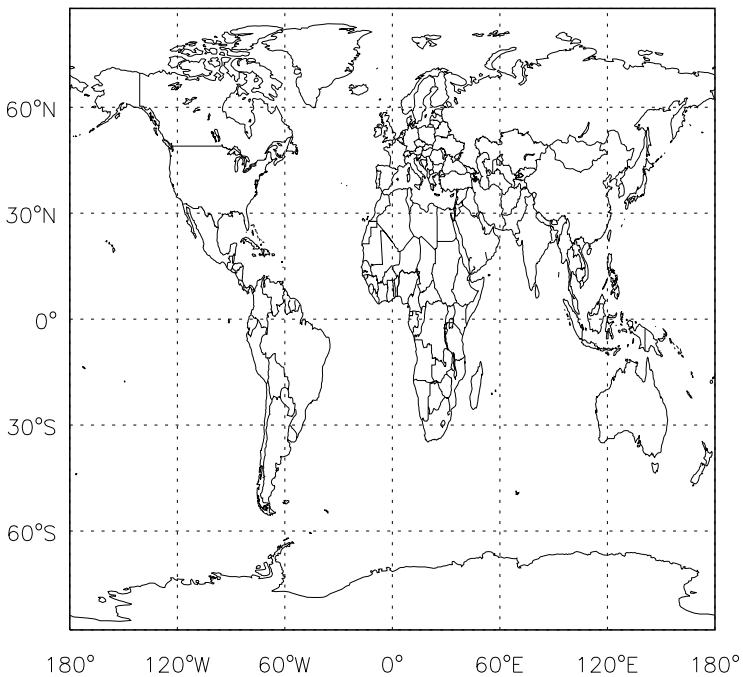
v11-01b-Run0 - v10-01-public-Run0

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



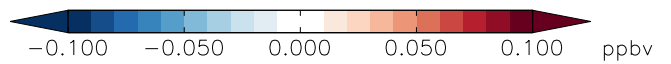
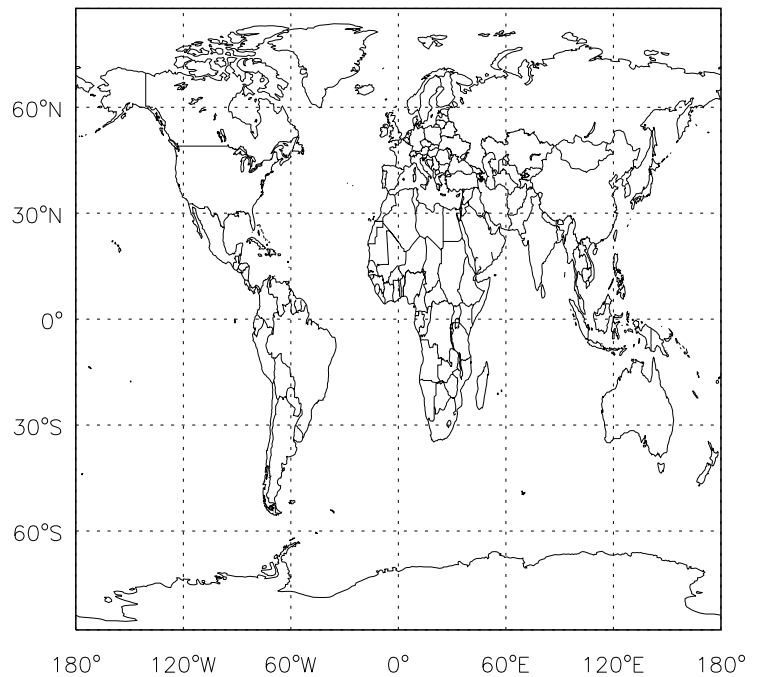
v11-01b-Run0 - v10-01i-geosfp-Run0

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



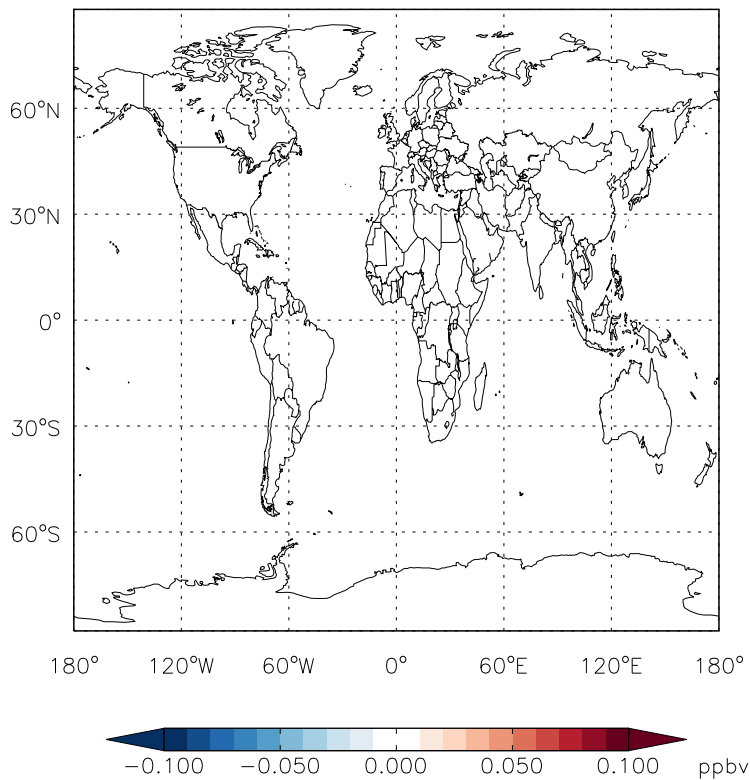
v11-01b-Run0 - v10-01i-geosfp-Run0

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

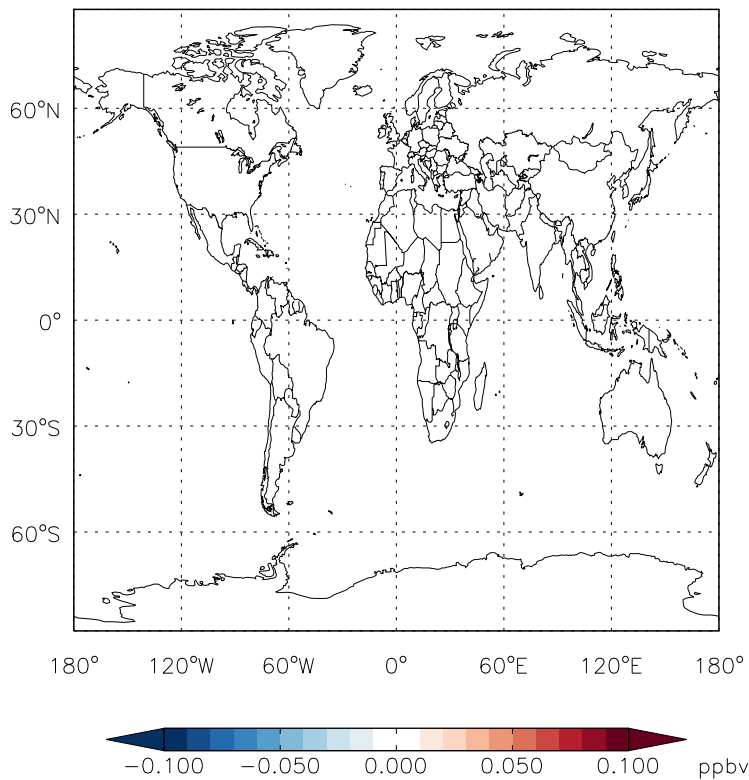


# GEOS-Chem Difference Maps at surface and 500 hPa

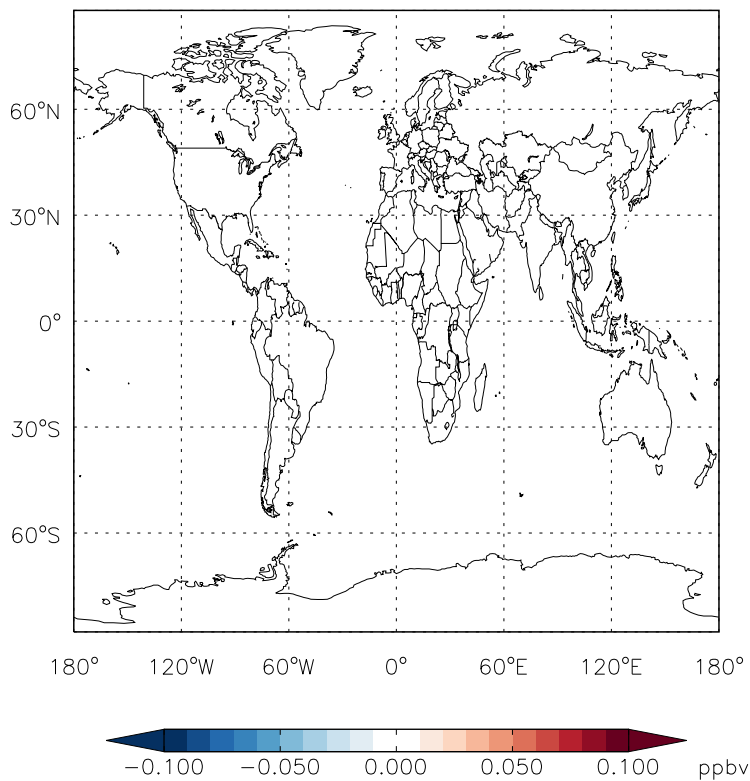
v11-01b-Run0 - v10-01-public-Run0  
CH<sub>3</sub>CCI<sub>3</sub> - Diff @ Surface for Apr



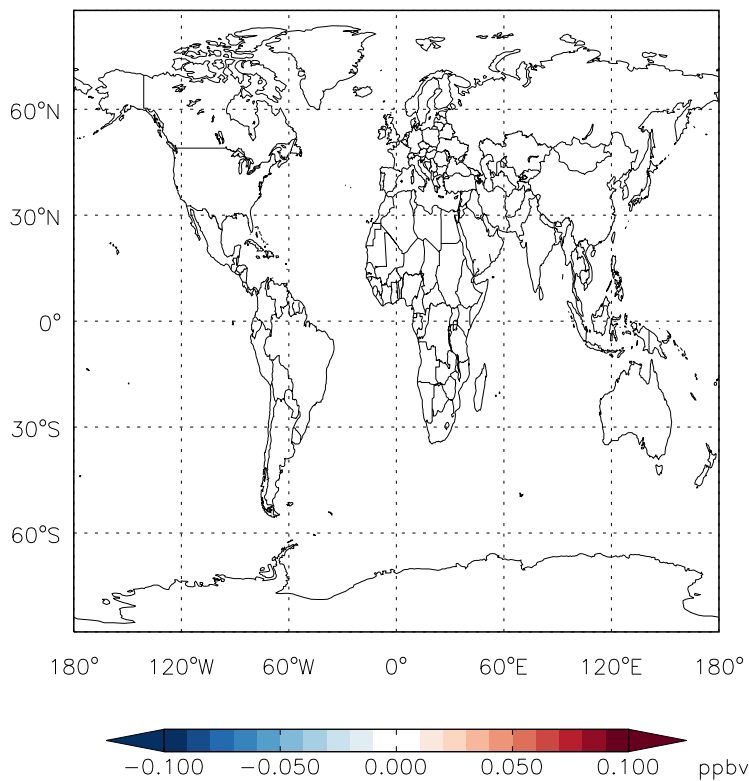
v11-01b-Run0 - v10-01-public-Run0  
CH<sub>3</sub>CCI<sub>3</sub> - Diff @ 500 hPa for Apr



v11-01b-Run0 - v10-01i-geosfp-Run0  
CH<sub>3</sub>CCI<sub>3</sub> - Diff @ Surface for Apr



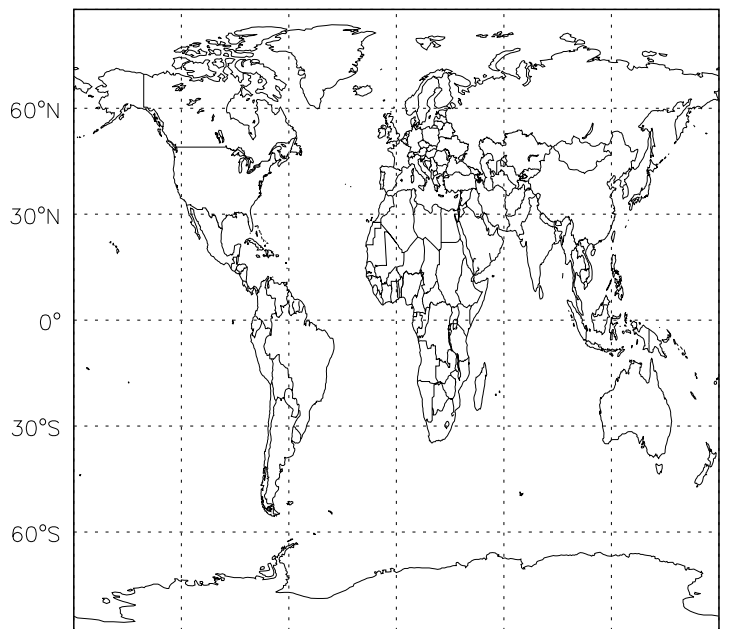
v11-01b-Run0 - v10-01i-geosfp-Run0  
CH<sub>3</sub>CCI<sub>3</sub> - Diff @ 500 hPa for Apr



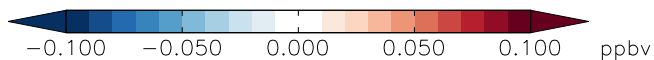
# GEOS-Chem Difference Maps at surface and 500 hPa

v11-01b-Run0 - v10-01-public-Run0

CFCX - Diff @ Surface for Apr

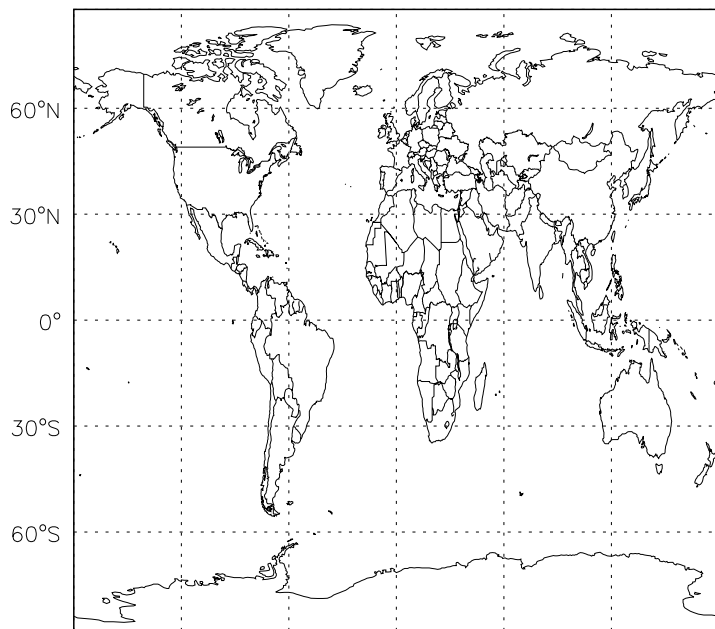


180° 120°W 60°W 0° 60°E 120°E 180°

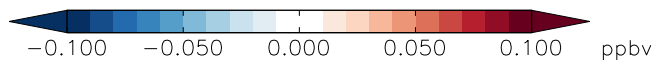


v11-01b-Run0 - v10-01-public-Run0

CFCX - Diff @ 500 hPa for Apr

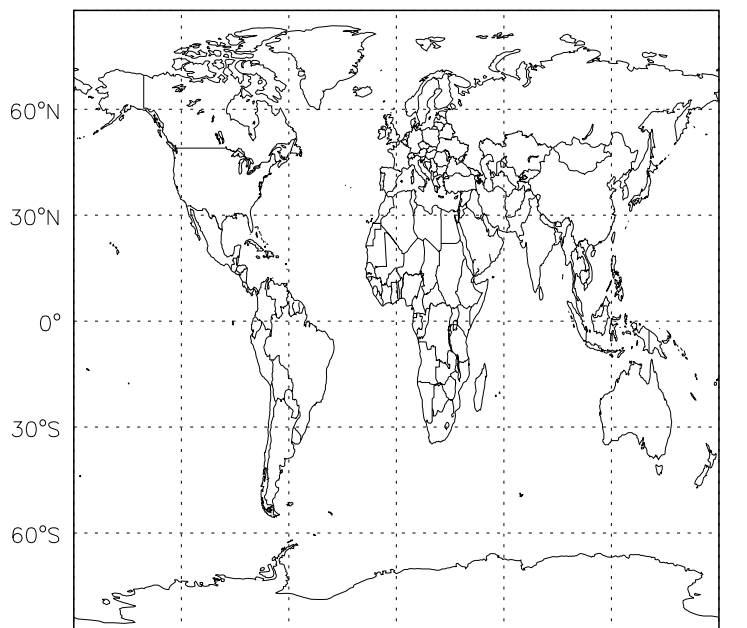


180° 120°W 60°W 0° 60°E 120°E 180°

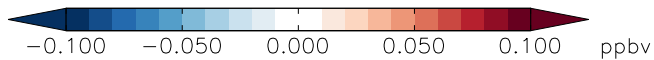


v11-01b-Run0 - v10-01i-geosfp-Run0

CFCX - Diff @ Surface for Apr

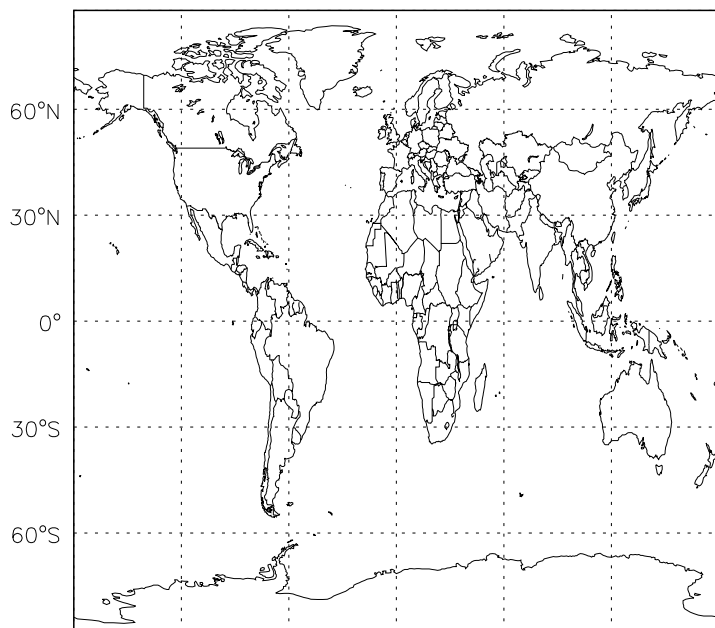


180° 120°W 60°W 0° 60°E 120°E 180°

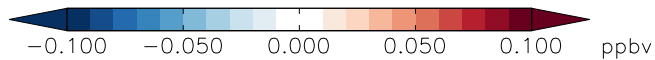


v11-01b-Run0 - v10-01i-geosfp-Run0

CFCX - Diff @ 500 hPa for Apr

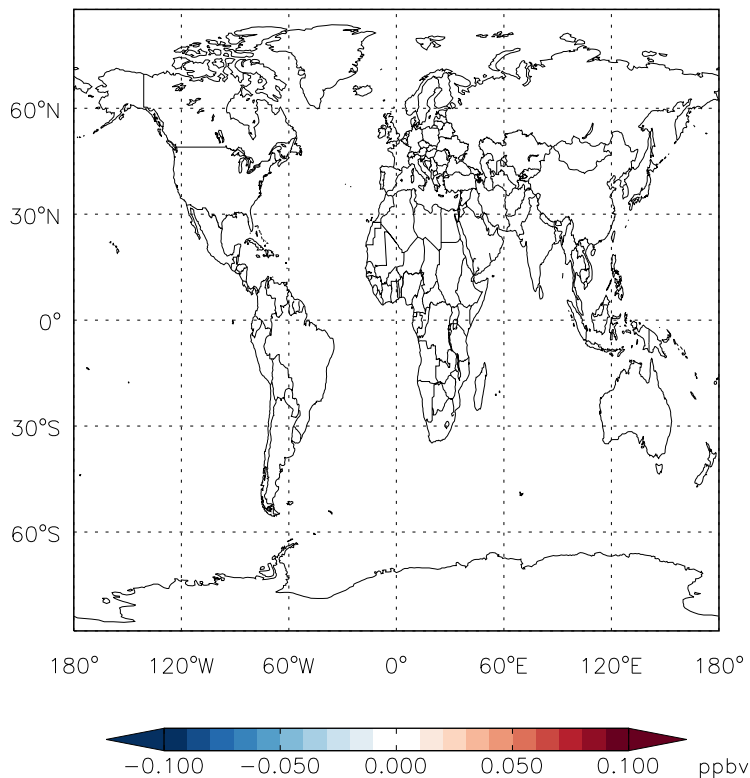


180° 120°W 60°W 0° 60°E 120°E 180°

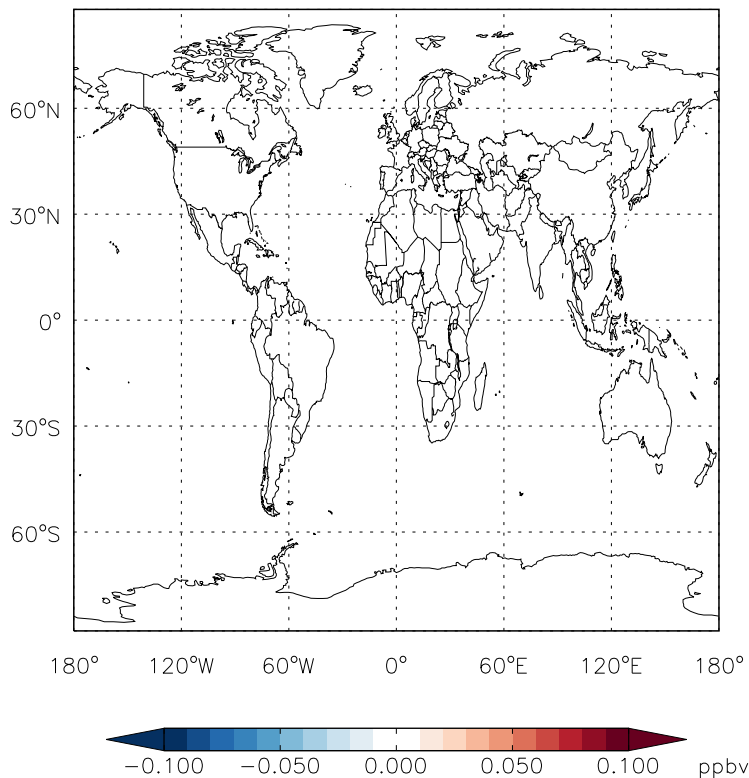


# GEOS-Chem Difference Maps at surface and 500 hPa

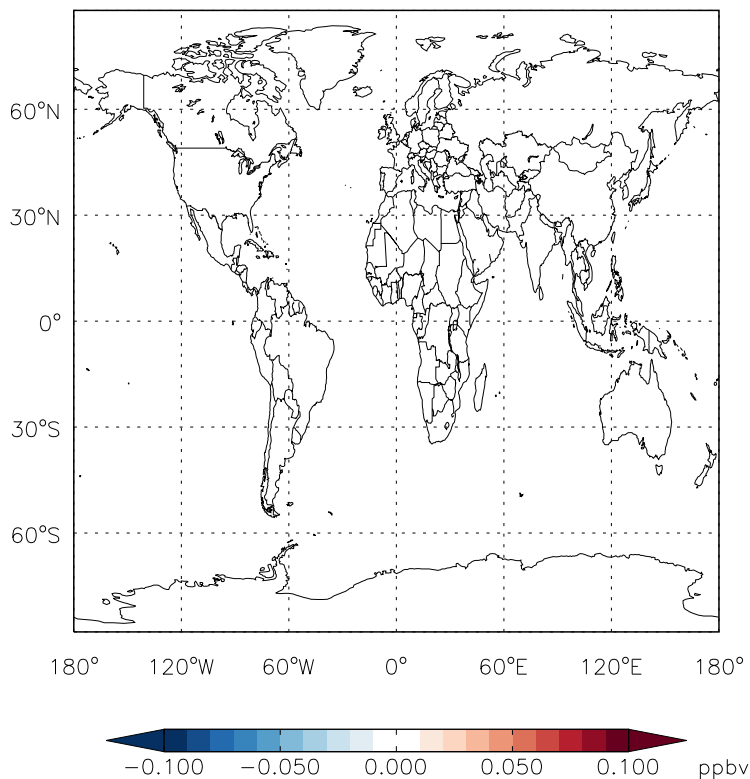
v11-01b-Run0 - v10-01-public-Run0  
HCFCX - Diff @ Surface for Apr



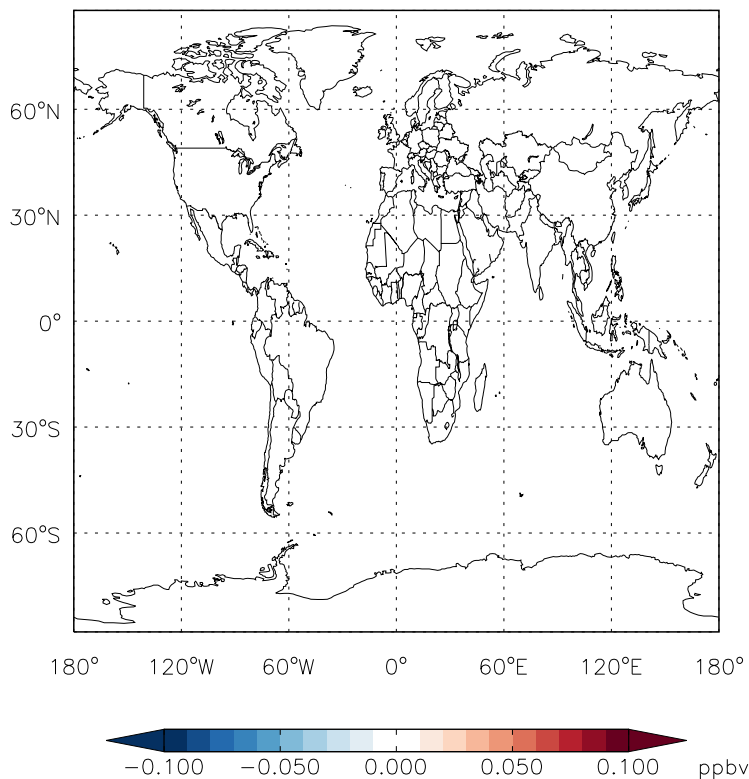
v11-01b-Run0 - v10-01-public-Run0  
HCFCX - Diff @ 500 hPa for Apr



v11-01b-Run0 - v10-01i-geosfp-Run0  
HCFCX - Diff @ Surface for Apr

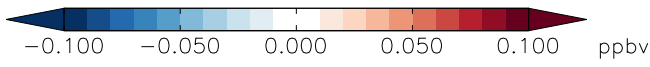
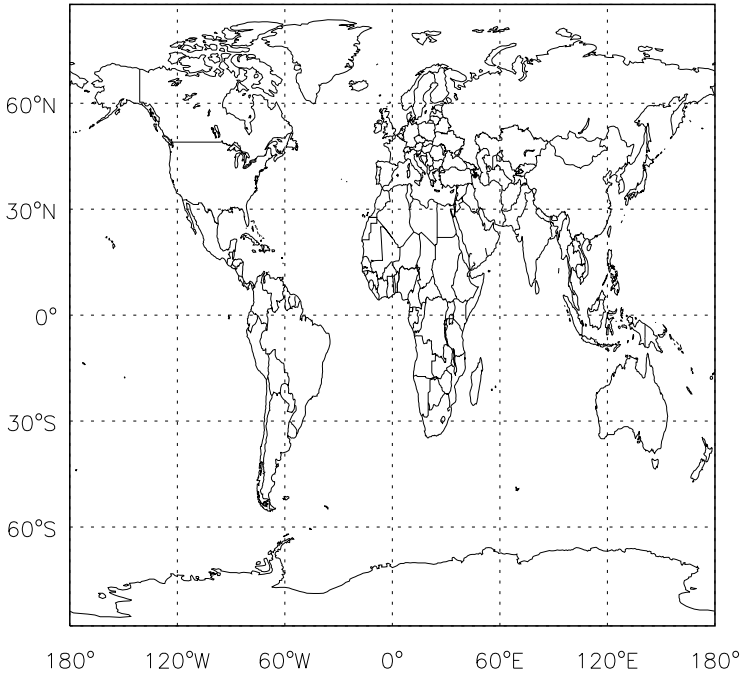


v11-01b-Run0 - v10-01i-geosfp-Run0  
HCFCX - Diff @ 500 hPa for Apr

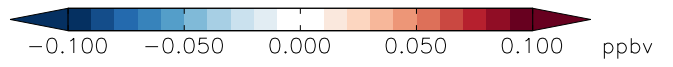
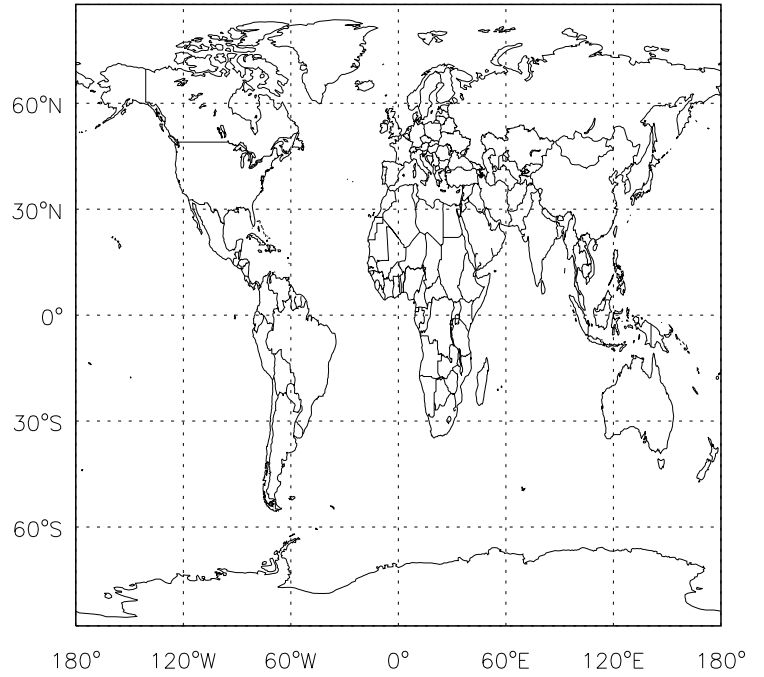


GEOS-Chem Difference Maps at surface and 500 hPa

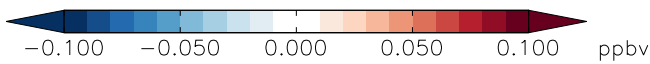
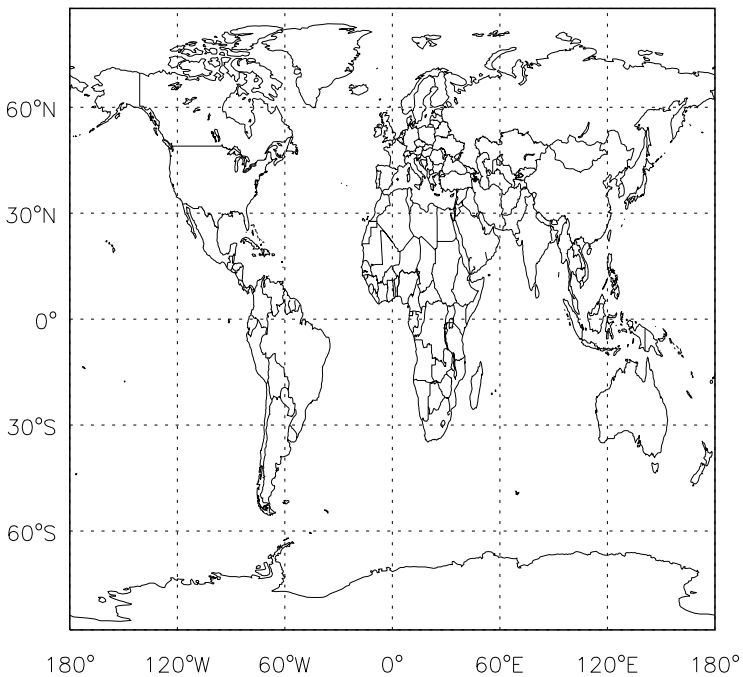
v11-01b-Run0 - v10-01-public-Run0  
CFC11 - Diff @ Surface for Apr



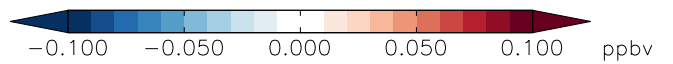
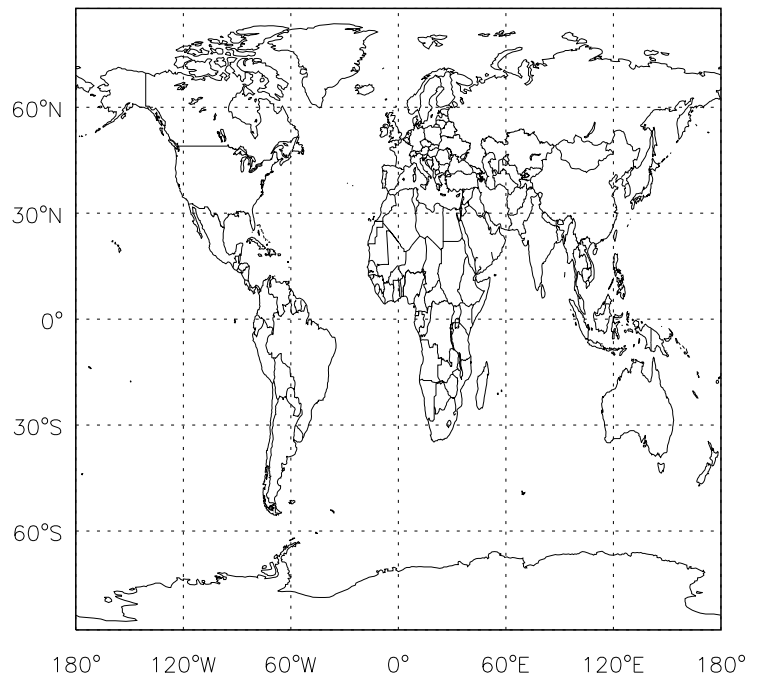
v11-01b-Run0 - v10-01-public-Run0  
CFC11 - Diff @ 500 hPa for Apr



v11-01b-Run0 - v10-01i-geosfp-Run0  
CFC11 - Diff @ Surface for Apr

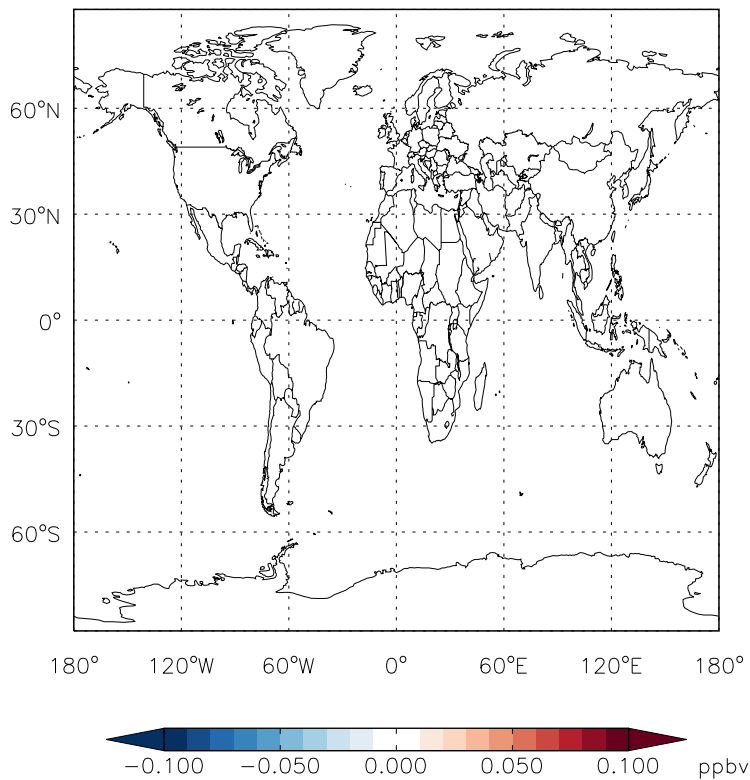


v11-01b-Run0 - v10-01i-geosfp-Run0  
CFC11 - Diff @ 500 hPa for Apr

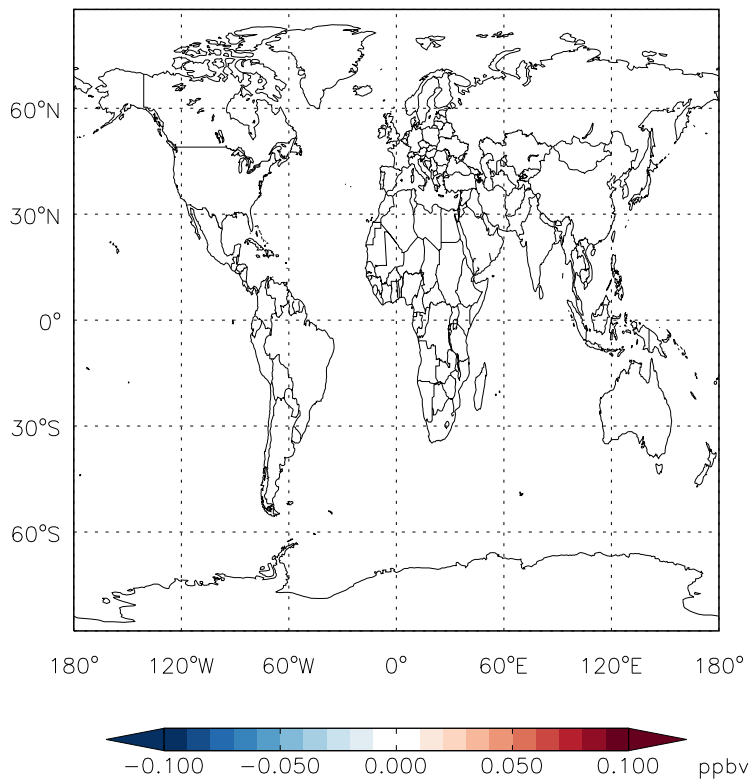


# GEOS-Chem Difference Maps at surface and 500 hPa

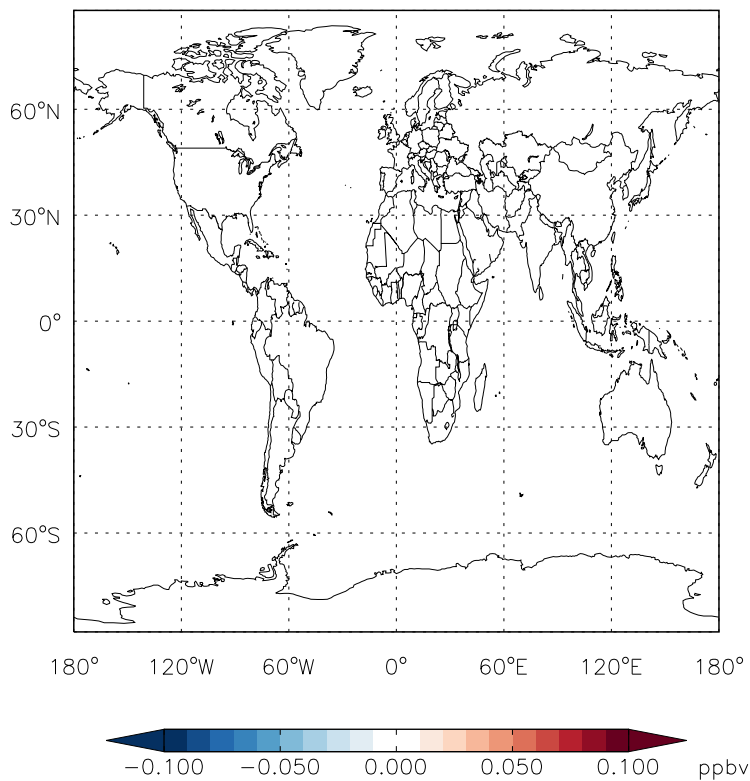
v11-01b-Run0 - v10-01-public-Run0  
CFC12 - Diff @ Surface for Apr



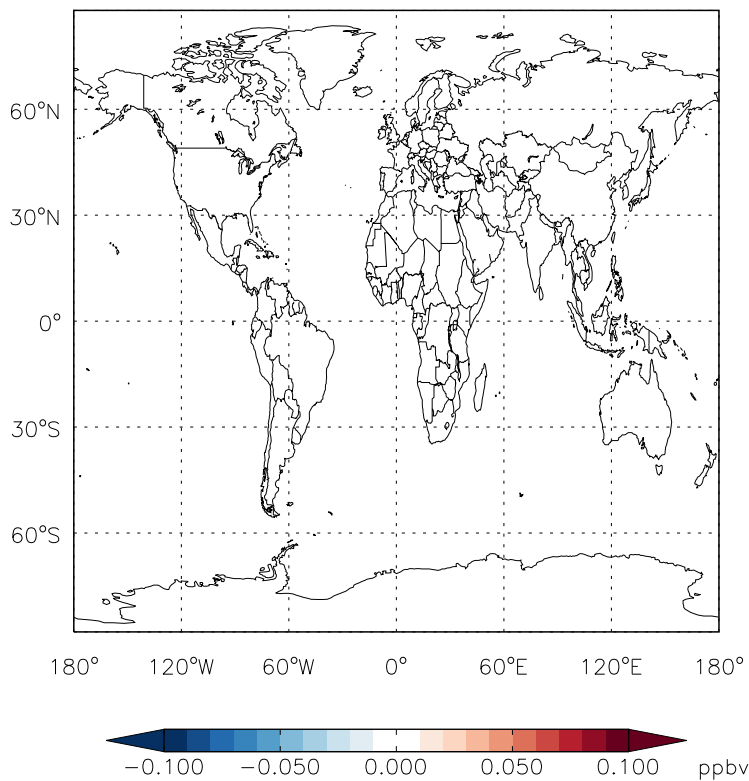
v11-01b-Run0 - v10-01-public-Run0  
CFC12- Diff @ 500 hPa for Apr



v11-01b-Run0 - v10-01i-geosfp-Run0  
CFC12 - Diff @ Surface for Apr

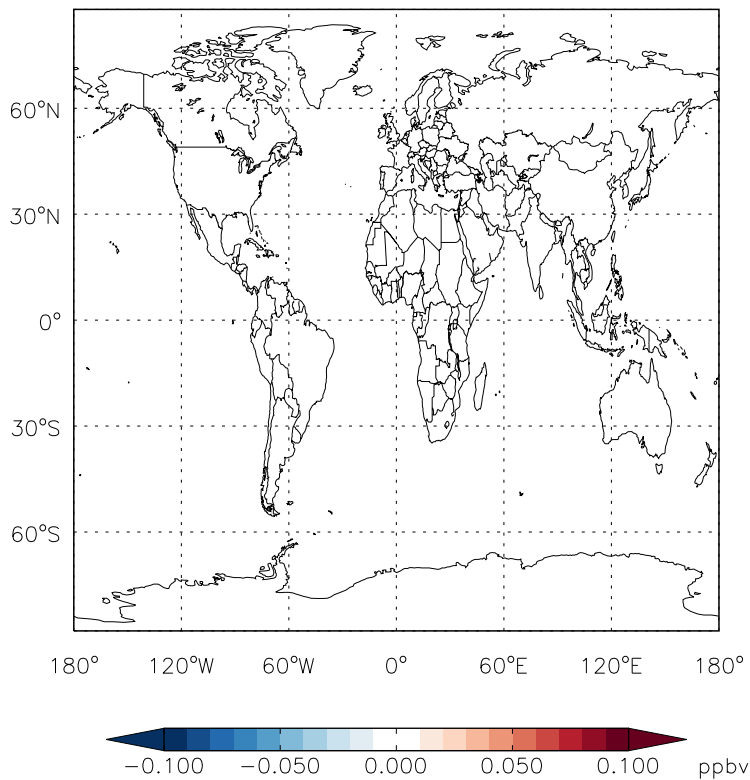


v11-01b-Run0 - v10-01i-geosfp-Run0  
CFC12- Diff @ 500 hPa for Apr

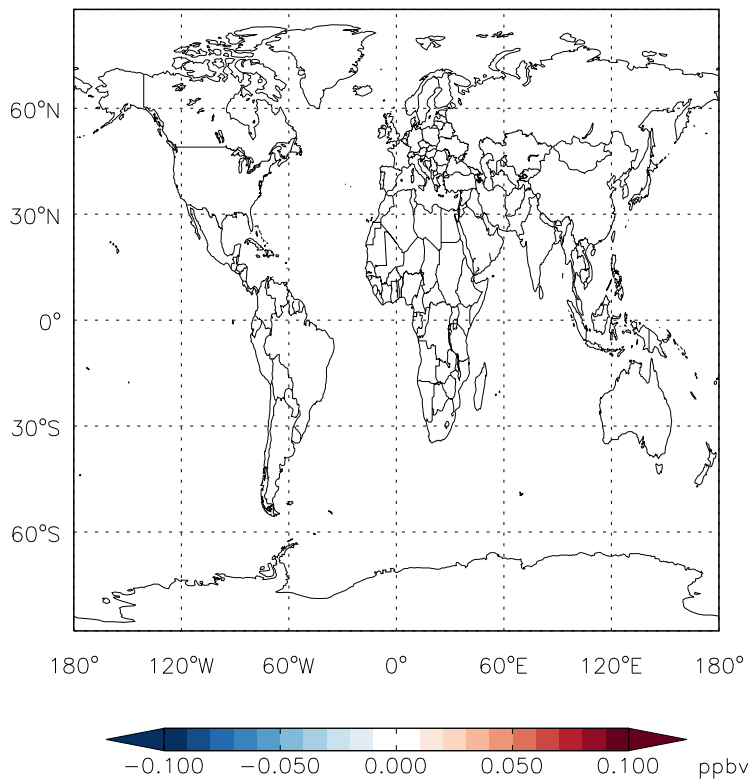


# GEOS-Chem Difference Maps at surface and 500 hPa

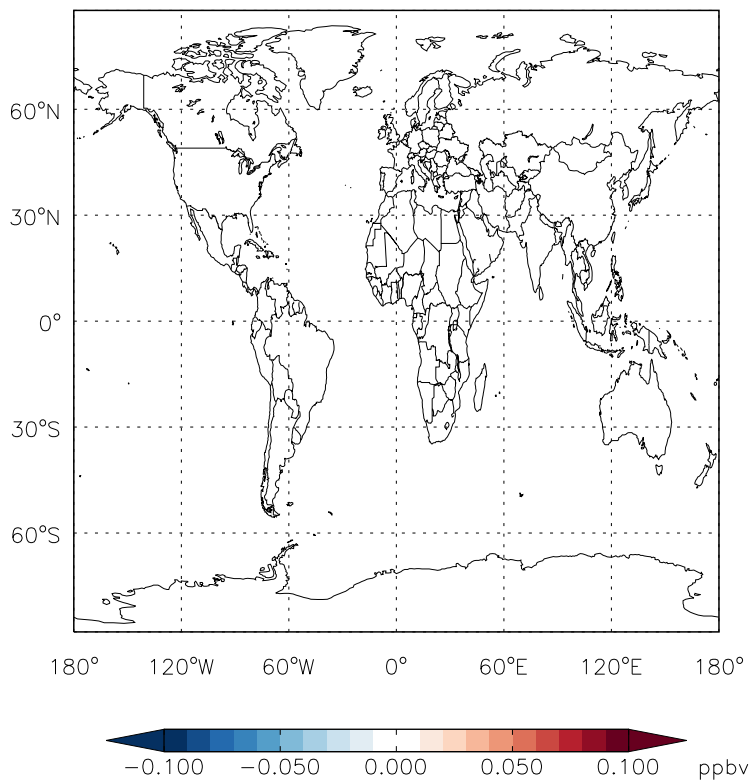
v11-01b-Run0 - v10-01-public-Run0  
HCFC22 - Diff @ Surface for Apr



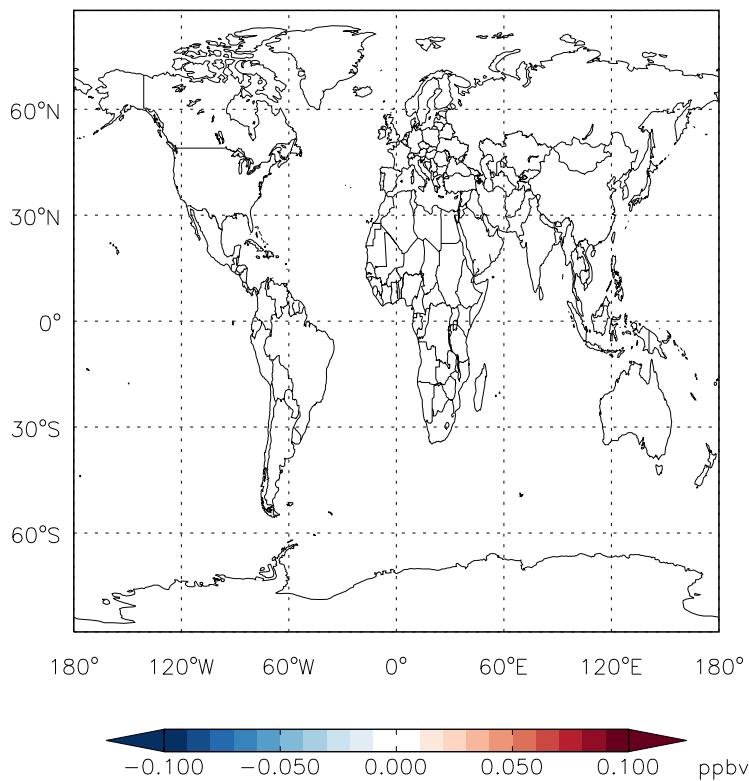
v11-01b-Run0 - v10-01-public-Run0  
HCFC22 - Diff @ 500 hPa for Apr



v11-01b-Run0 - v10-01i-geosfp-Run0  
HCFC22 - Diff @ Surface for Apr

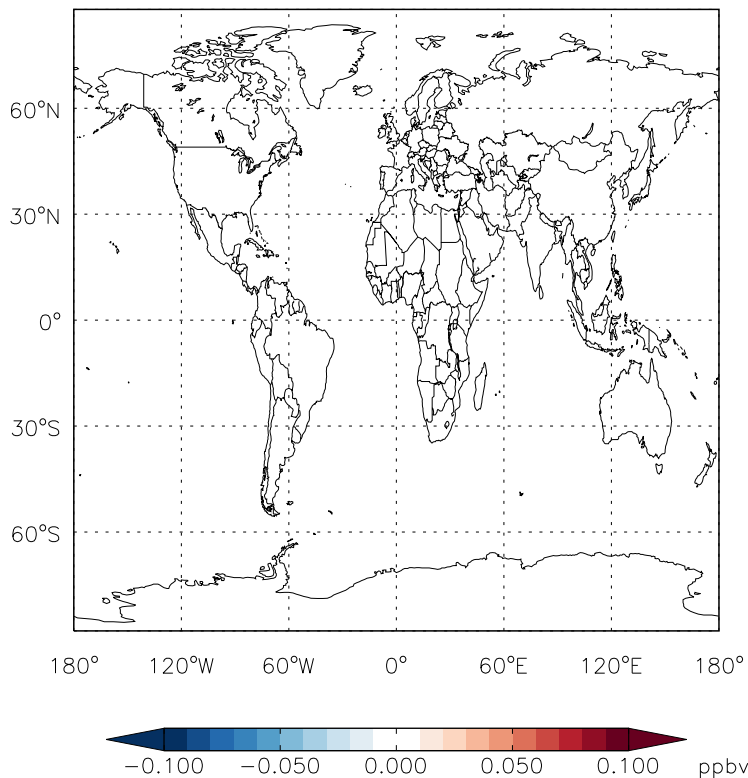


v11-01b-Run0 - v10-01i-geosfp-Run0  
HCFC22 - Diff @ 500 hPa for Apr

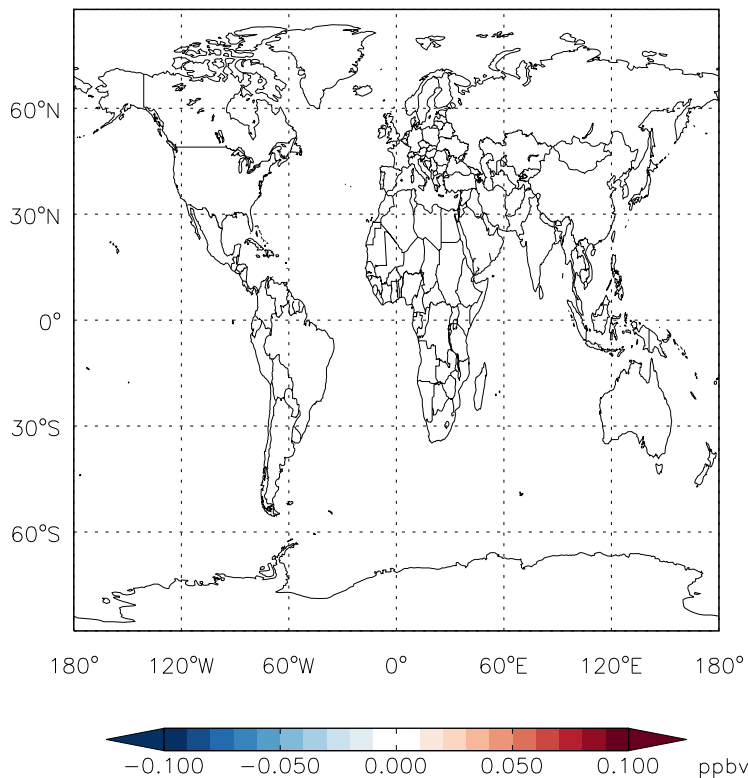


GEOS-Chem Difference Maps at surface and 500 hPa

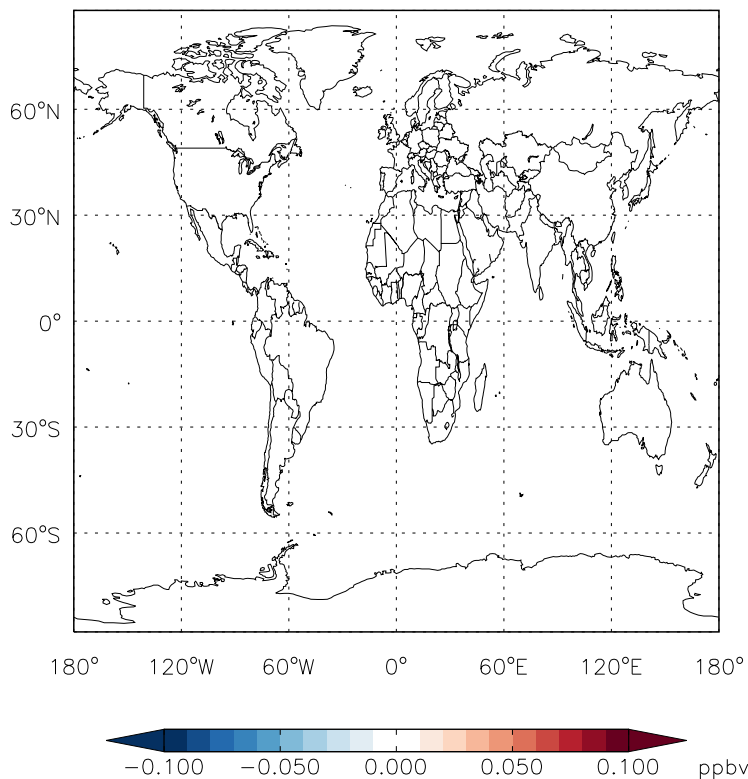
v11-01b-Run0 - v10-01-public-Run0  
H1211 - Diff @ Surface for Apr



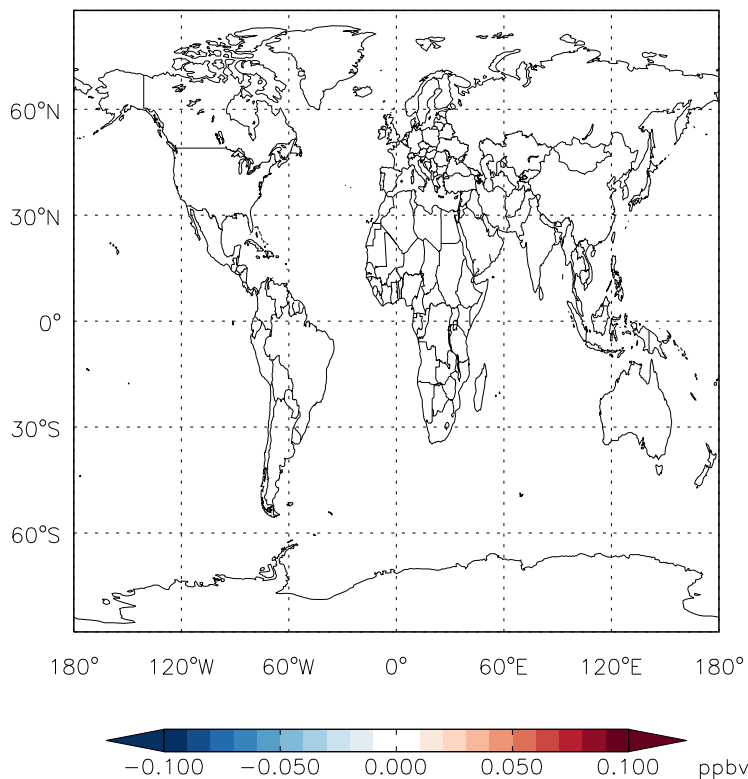
v11-01b-Run0 - v10-01-public-Run0  
H1211- Diff @ 500 hPa for Apr



v11-01b-Run0 - v10-01i-geosfp-Run0  
H1211 - Diff @ Surface for Apr



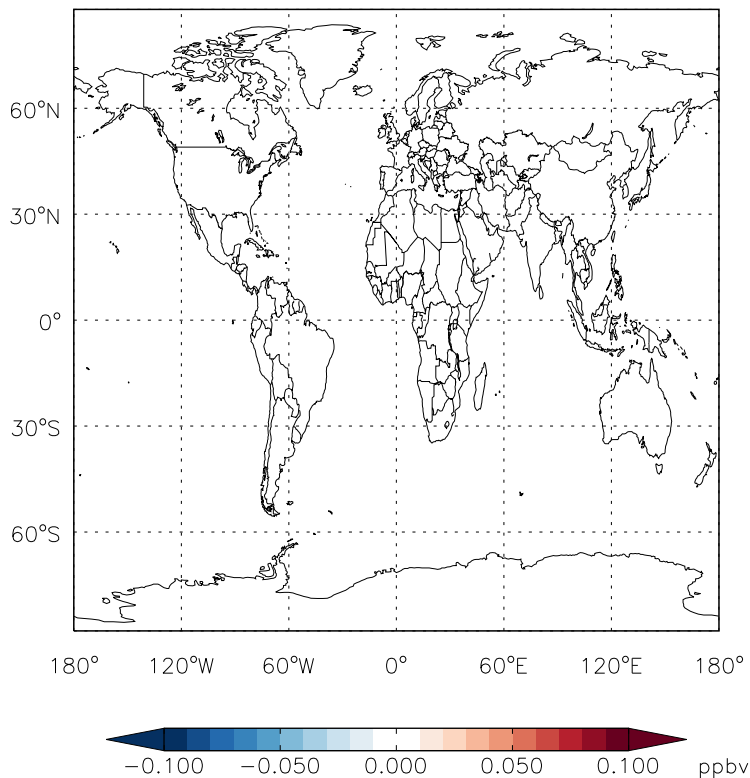
v11-01b-Run0 - v10-01i-geosfp-Run0  
H1211- Diff @ 500 hPa for Apr



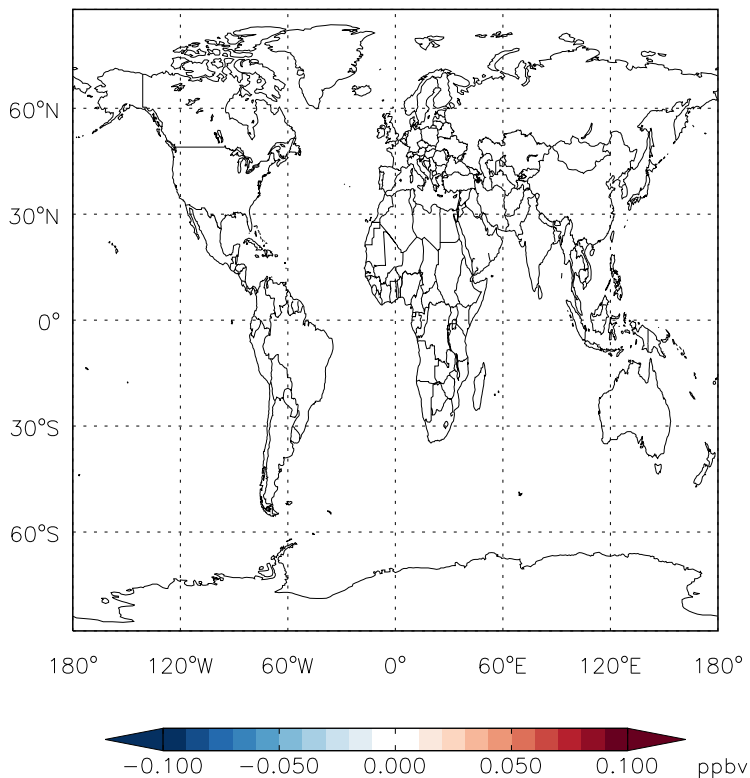


# GEOS-Chem Difference Maps at surface and 500 hPa

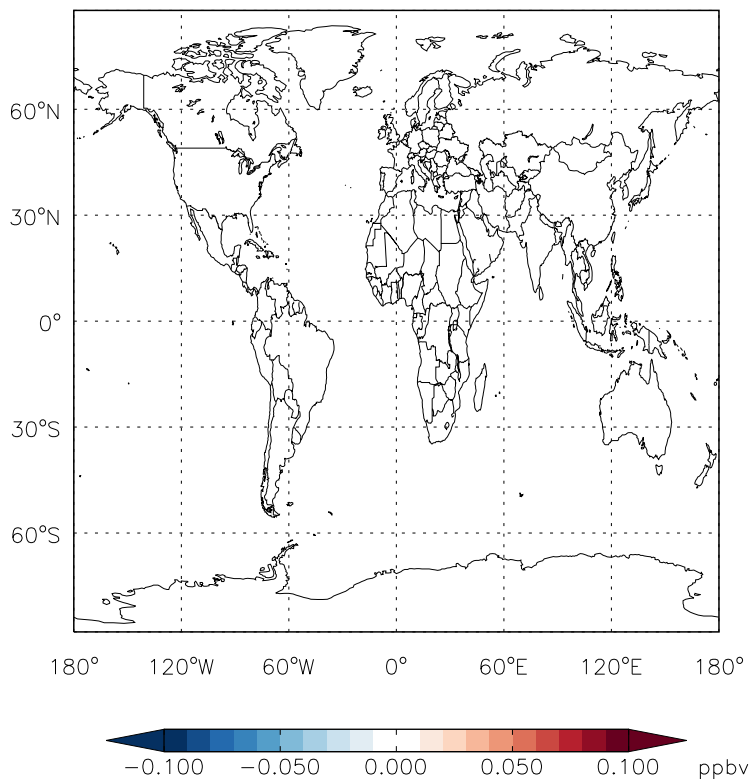
v11-01b-Run0 - v10-01-public-Run0  
H1301 - Diff @ Surface for Apr



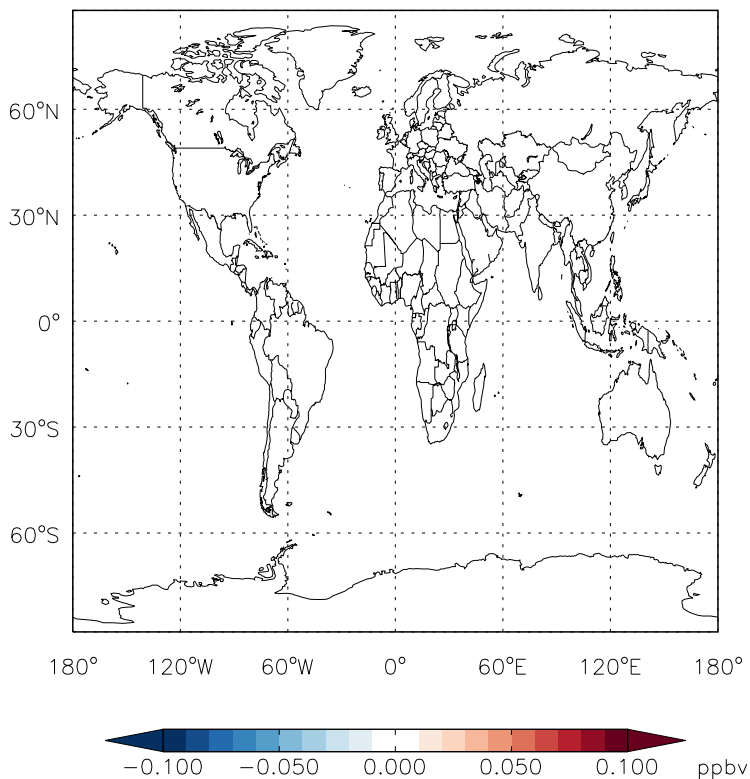
v11-01b-Run0 - v10-01-public-Run0  
H1301 - Diff @ 500 hPa for Apr



v11-01b-Run0 - v10-01i-geosfp-Run0  
H1301 - Diff @ Surface for Apr

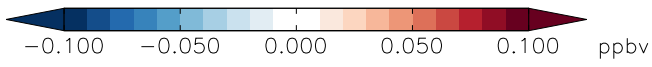
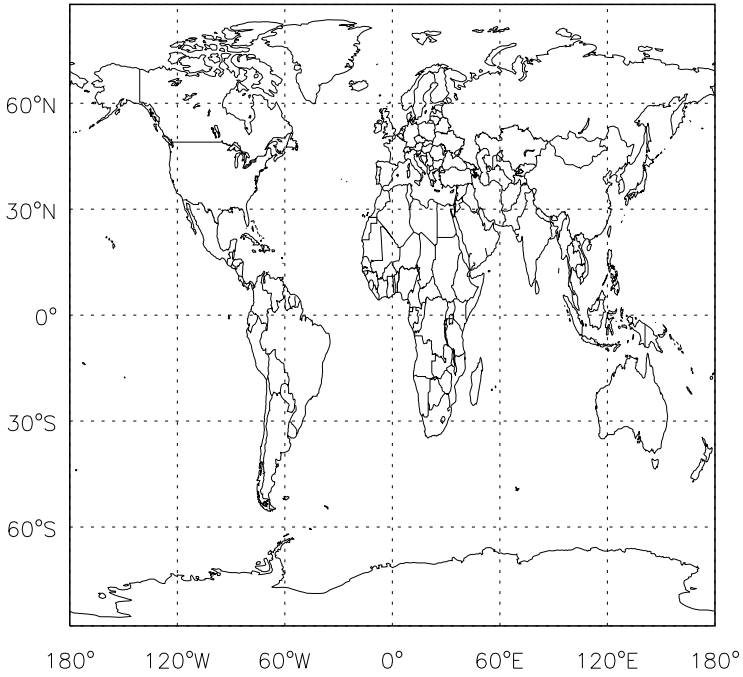


v11-01b-Run0 - v10-01i-geosfp-Run0  
H1301 - Diff @ 500 hPa for Apr

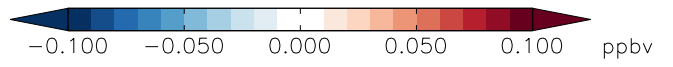
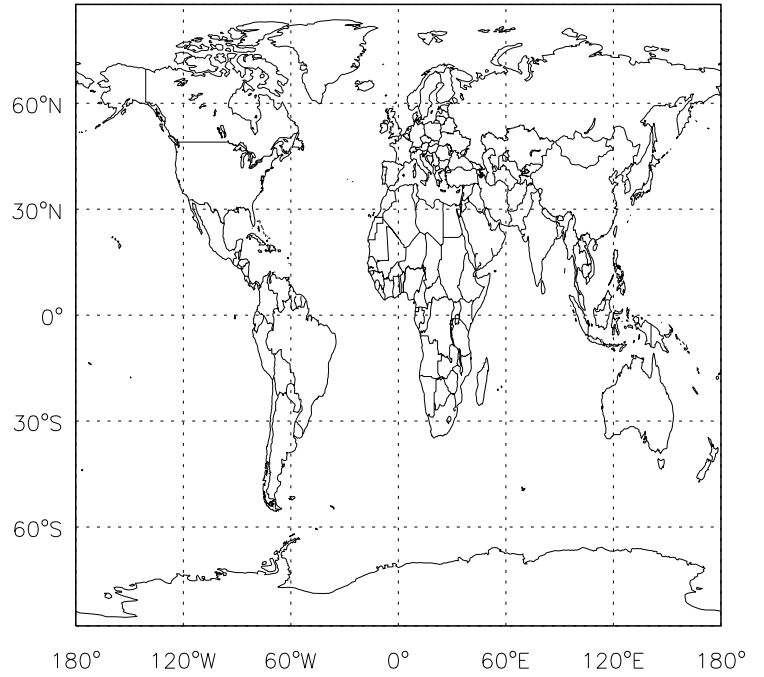


GEOS-Chem Difference Maps at surface and 500 hPa

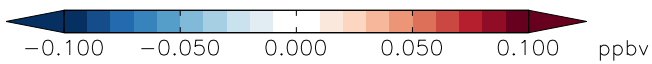
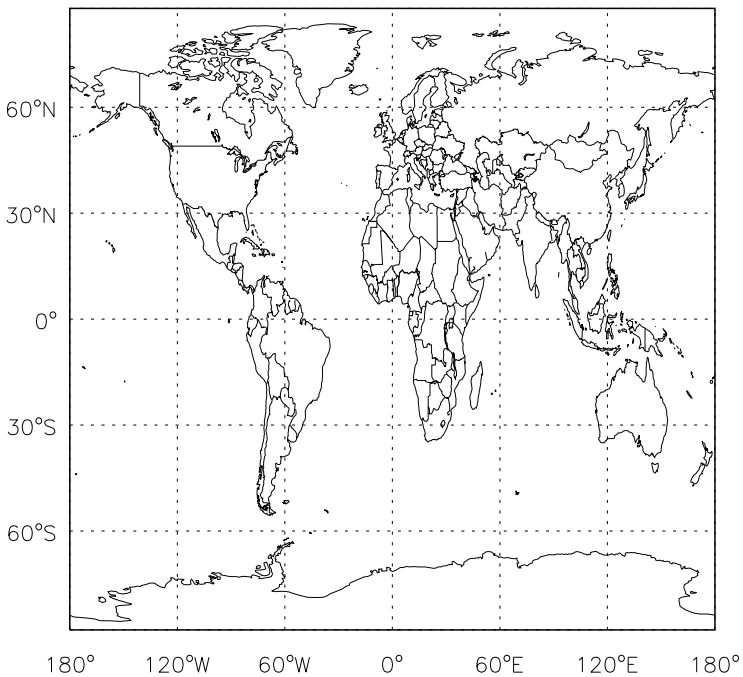
v11-01b-Run0 - v10-01-public-Run0  
H2402 - Diff @ Surface for Apr



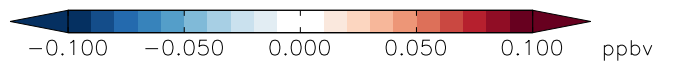
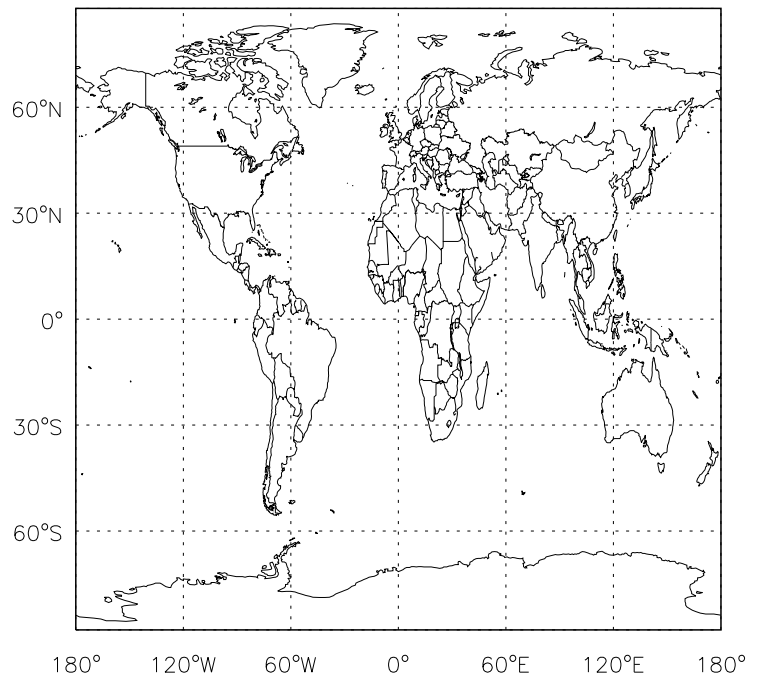
v11-01b-Run0 - v10-01-public-Run0  
H2402 - Diff @ 500 hPa for Apr



v11-01b-Run0 - v10-01i-geosfp-Run0  
H2402 - Diff @ Surface for Apr



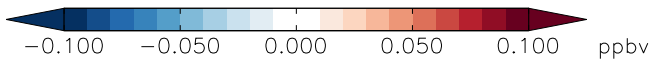
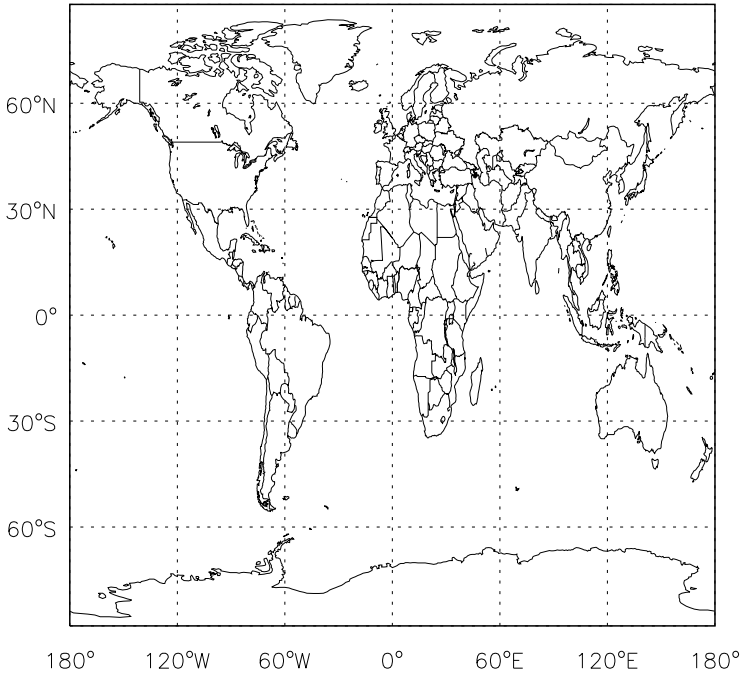
v11-01b-Run0 - v10-01i-geosfp-Run0  
H2402 - Diff @ 500 hPa for Apr



# GEOS-Chem Difference Maps at surface and 500 hPa

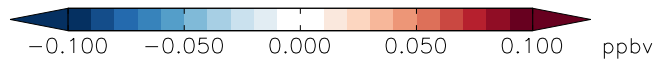
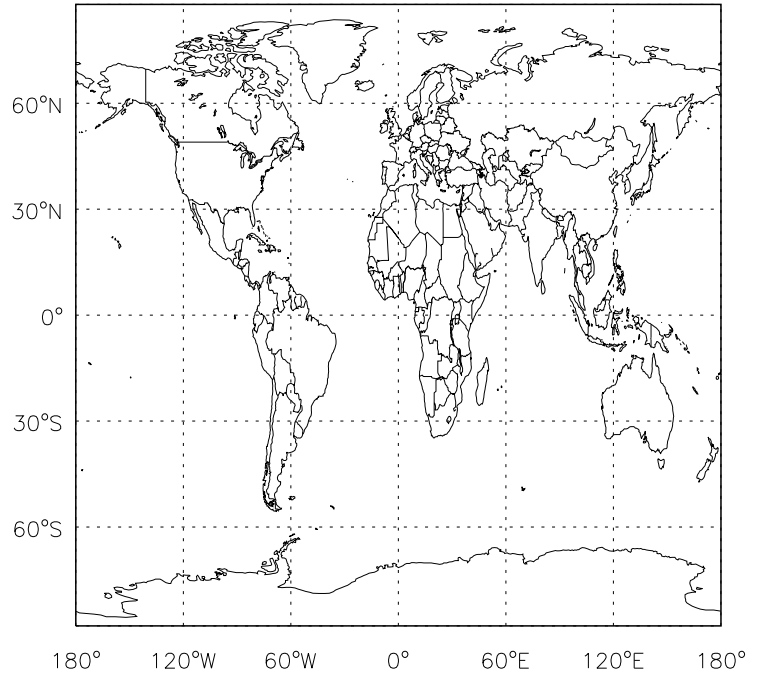
v11-01b-Run0 - v10-01-public-Run0

Cl - Diff @ Surface for Apr



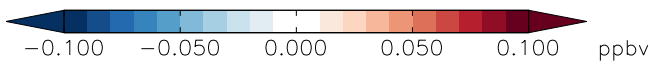
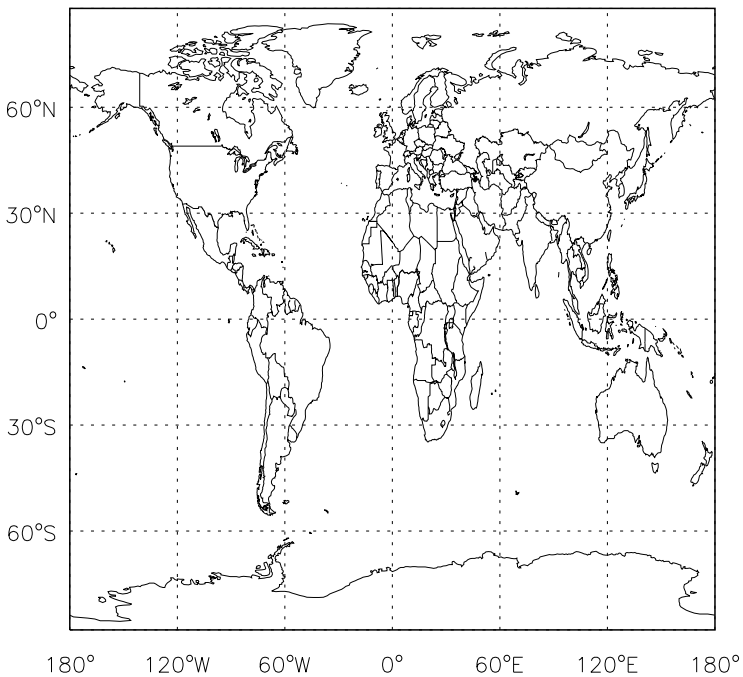
v11-01b-Run0 - v10-01-public-Run0

Cl - Diff @ 500 hPa for Apr



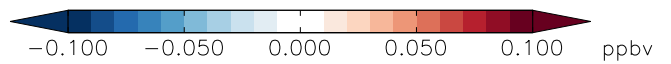
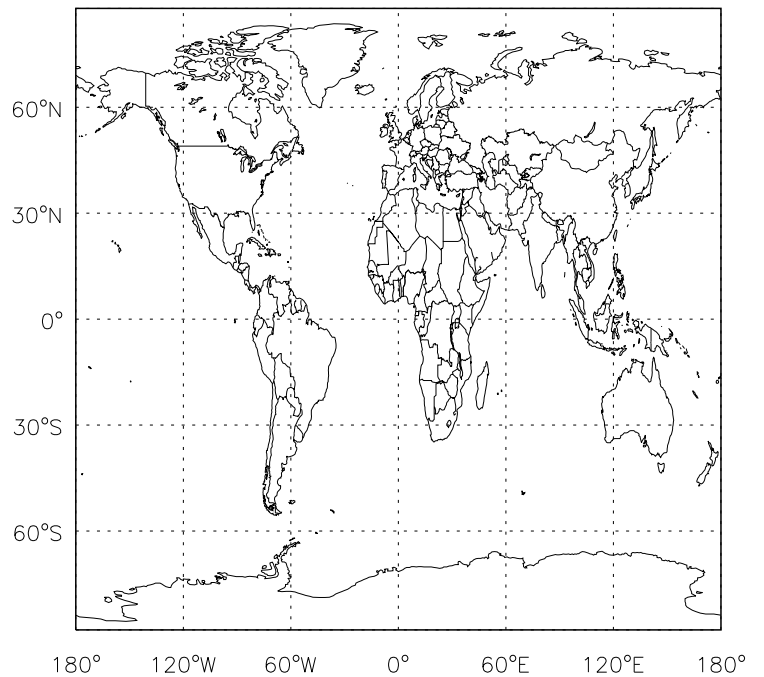
v11-01b-Run0 - v10-01i-geosfp-Run0

Cl - Diff @ Surface for Apr



v11-01b-Run0 - v10-01i-geosfp-Run0

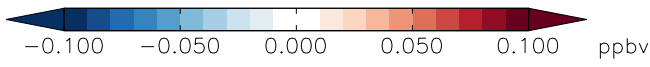
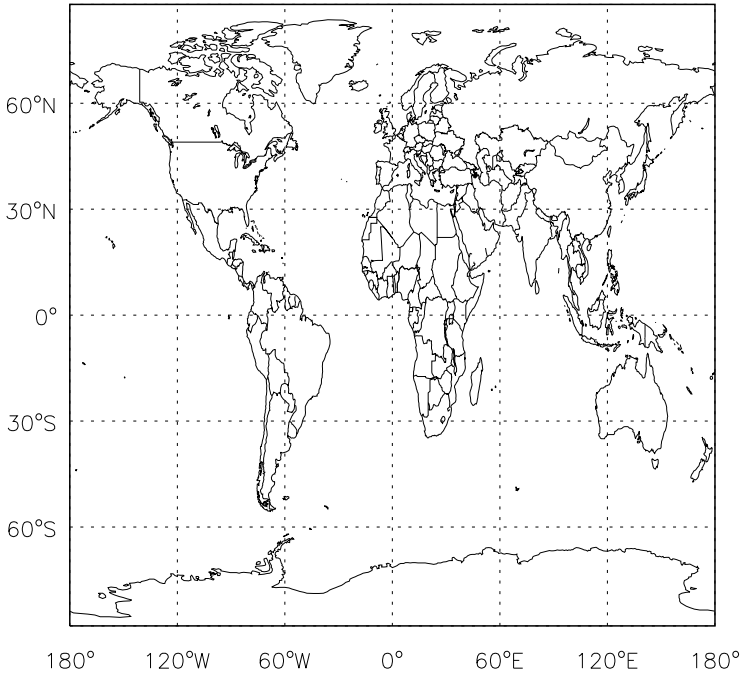
Cl - Diff @ 500 hPa for Apr



GEOS-Chem Difference Maps at surface and 500 hPa

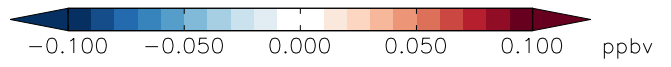
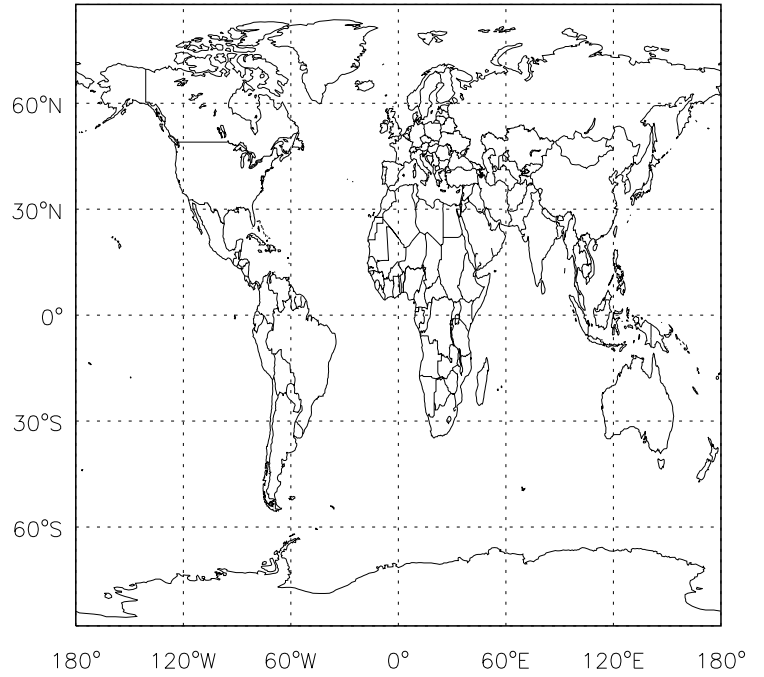
v11-01b-Run0 - v10-01-public-Run0

CIO - Diff @ Surface for Apr



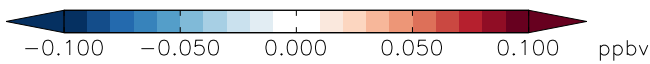
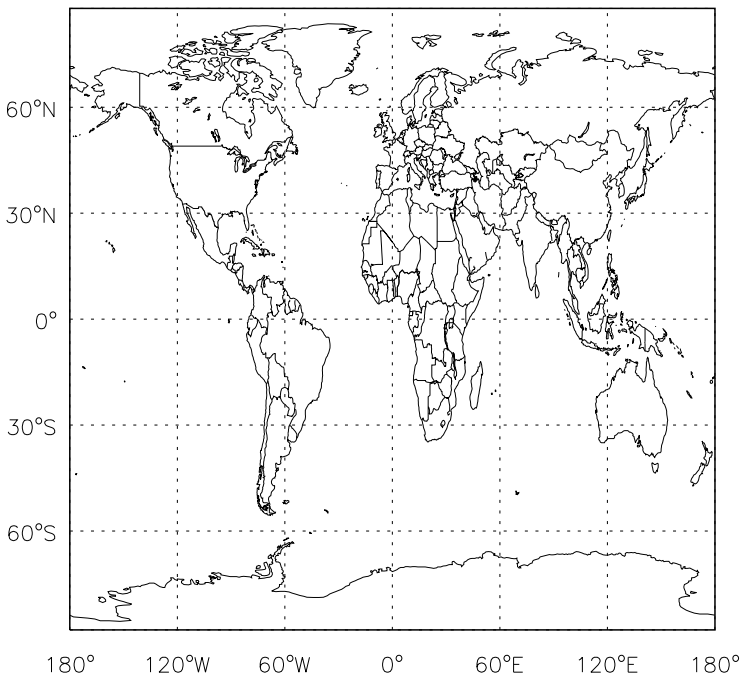
v11-01b-Run0 - v10-01-public-Run0

CIO - Diff @ 500 hPa for Apr



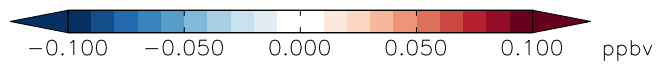
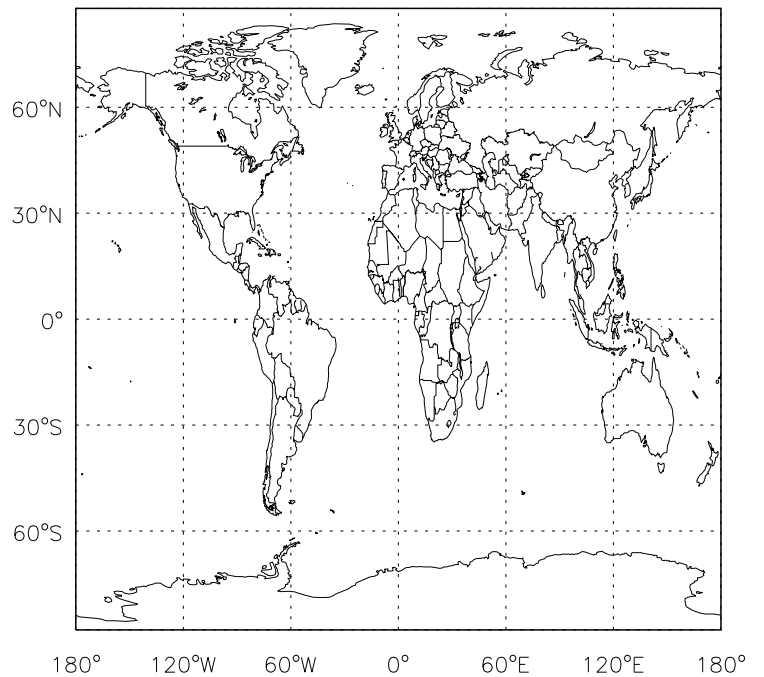
v11-01b-Run0 - v10-01i-geosfp-Run0

CIO - Diff @ Surface for Apr



v11-01b-Run0 - v10-01i-geosfp-Run0

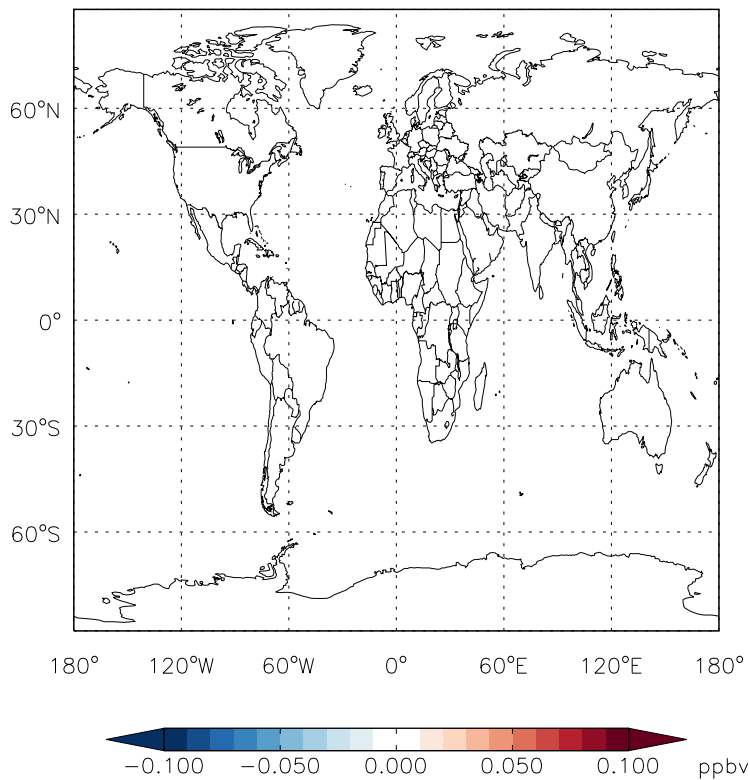
CIO - Diff @ 500 hPa for Apr



GEOS-Chem Difference Maps at surface and 500 hPa

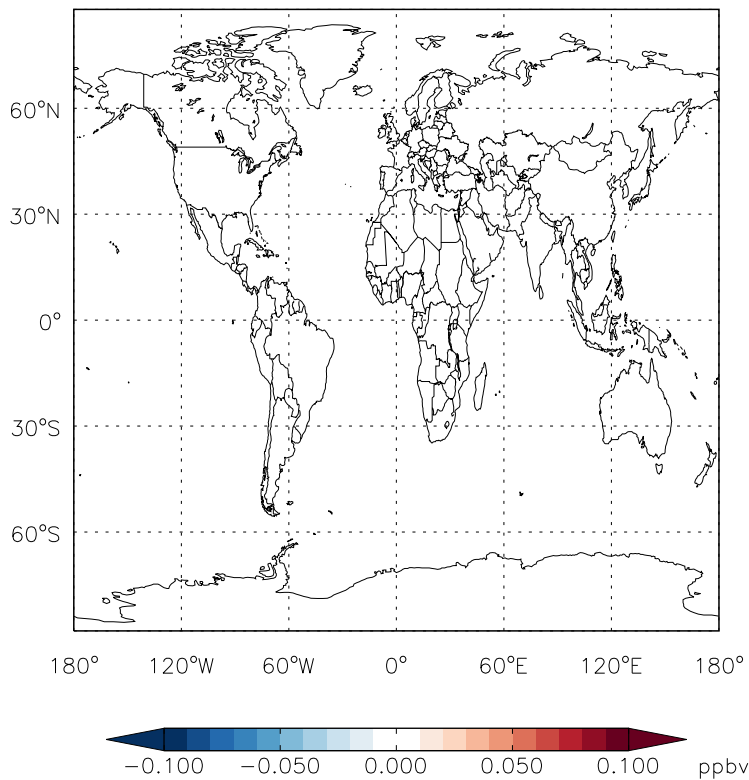
v11-01b-Run0 - v10-01-public-Run0

HOCl - Diff @ Surface for Apr



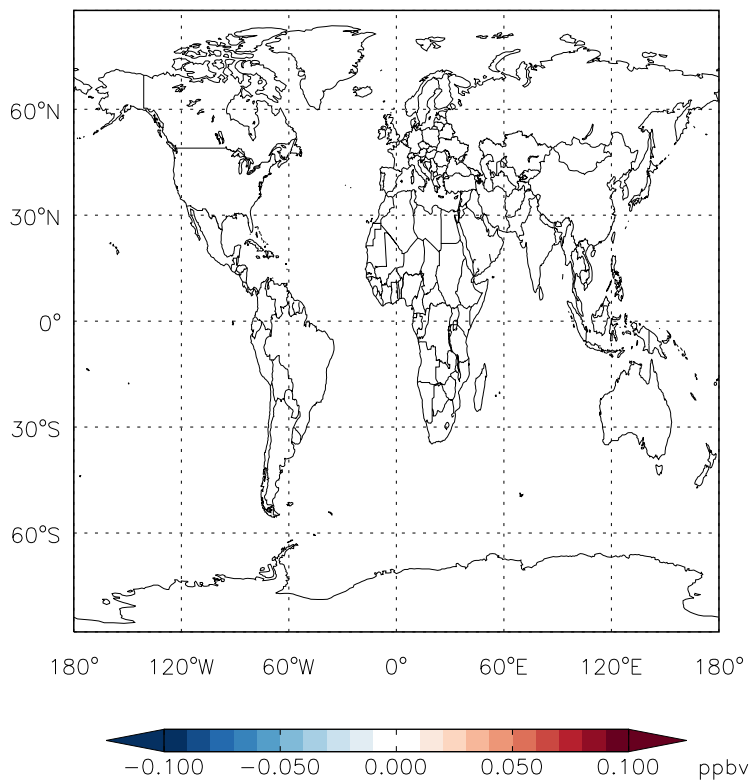
v11-01b-Run0 - v10-01-public-Run0

HOCl- Diff @ 500 hPa for Apr



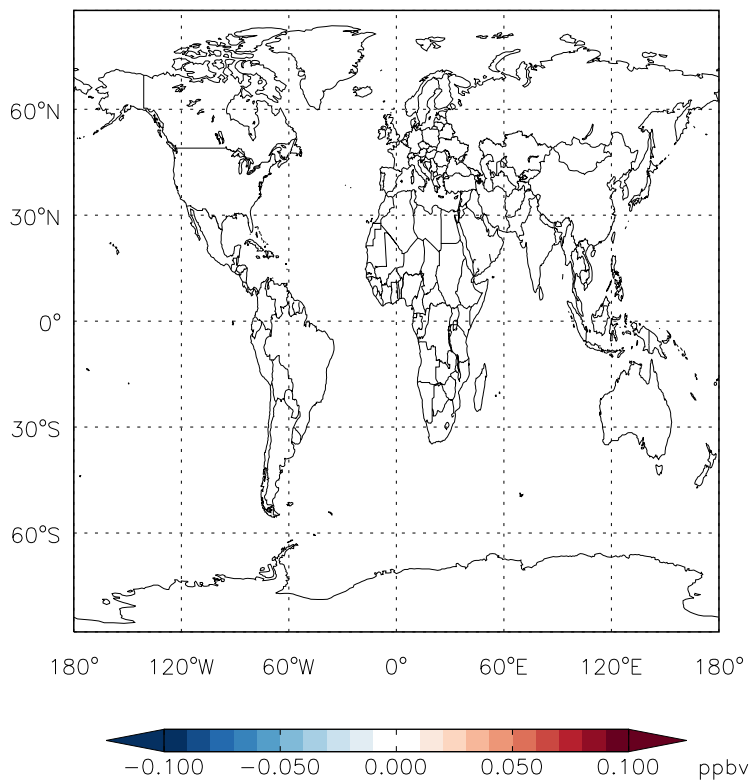
v11-01b-Run0 - v10-01i-geosfp-Run0

HOCl - Diff @ Surface for Apr



v11-01b-Run0 - v10-01i-geosfp-Run0

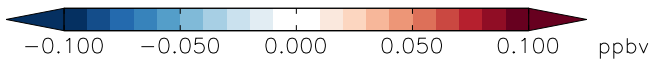
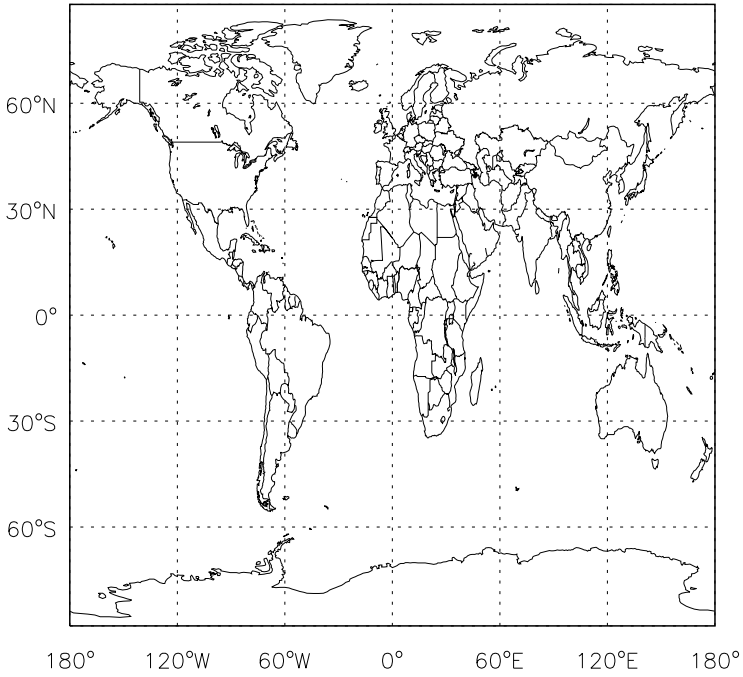
HOCl- Diff @ 500 hPa for Apr



GEOS-Chem Difference Maps at surface and 500 hPa

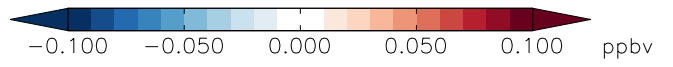
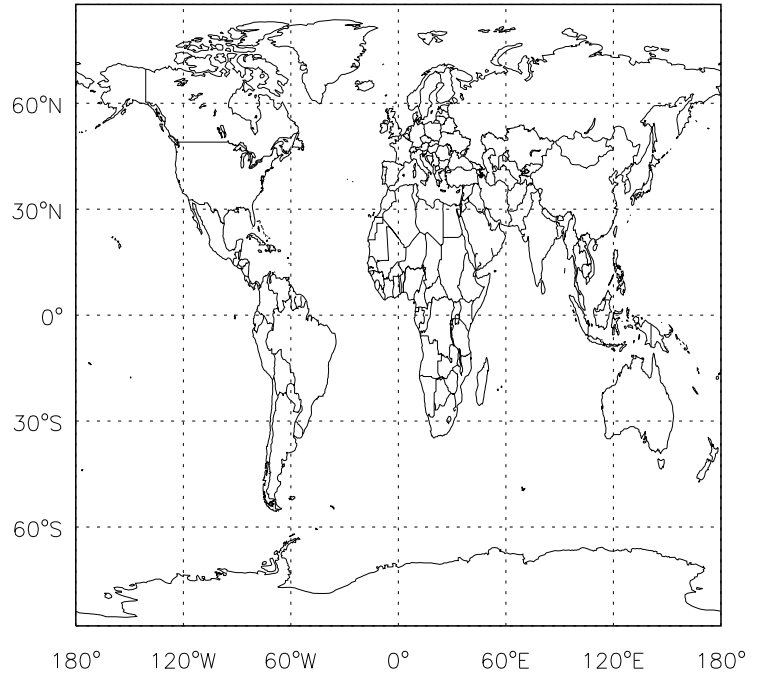
v11-01b-Run0 - v10-01-public-Run0

CIN03 - Diff @ Surface for Apr



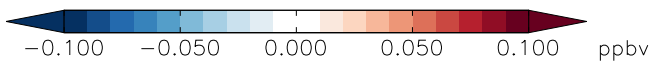
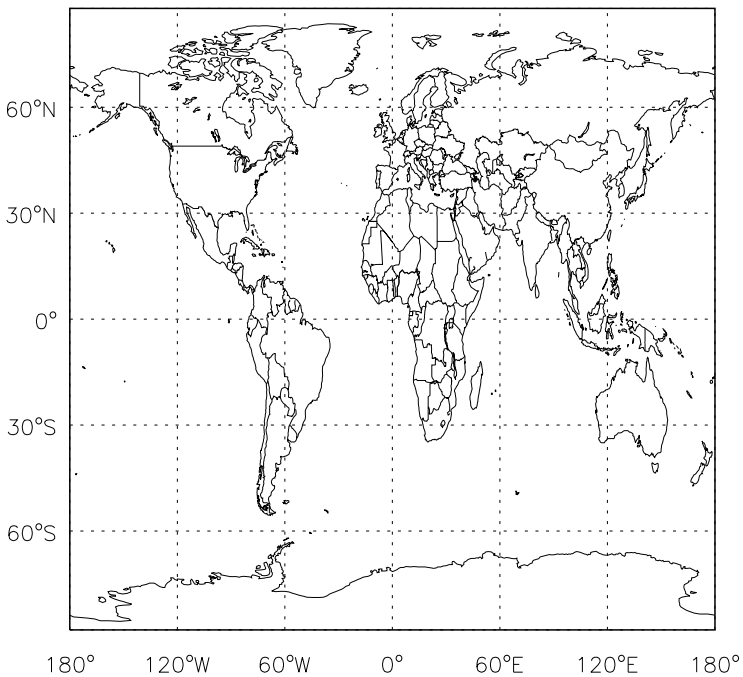
v11-01b-Run0 - v10-01-public-Run0

CIN03- Diff @ 500 hPa for Apr



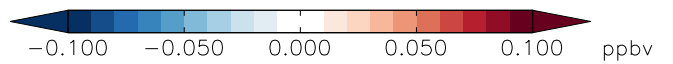
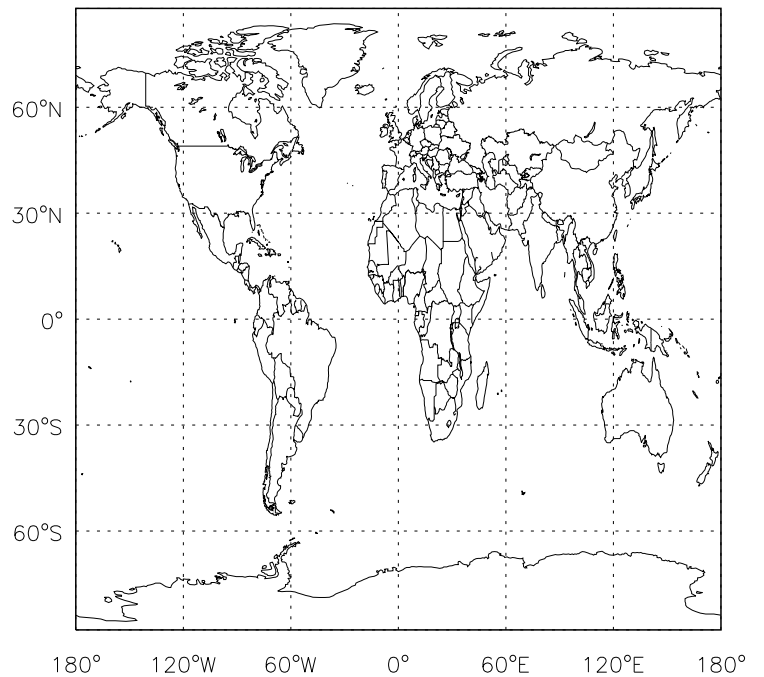
v11-01b-Run0 - v10-01i-geosfp-Run0

CIN03 - Diff @ Surface for Apr



v11-01b-Run0 - v10-01i-geosfp-Run0

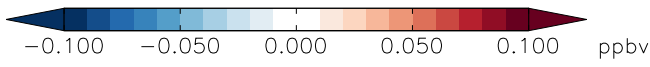
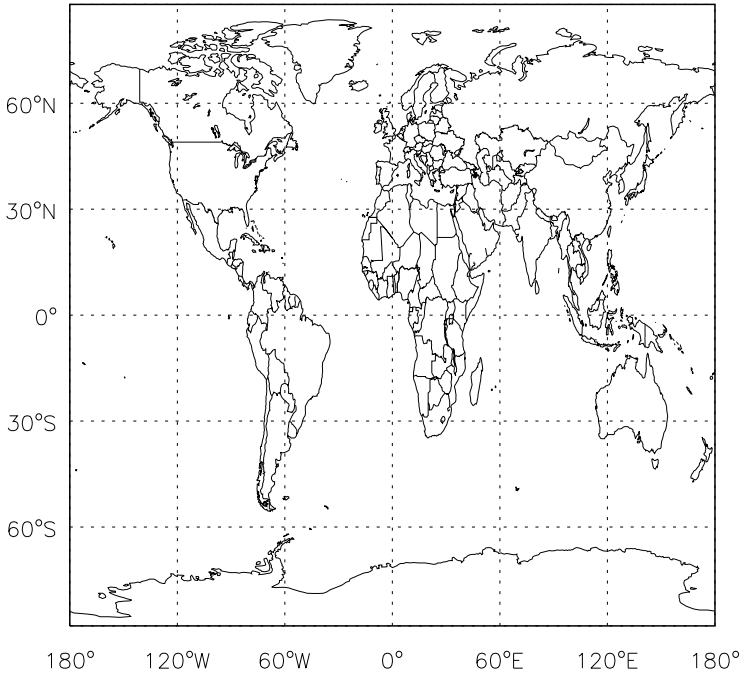
CIN03- Diff @ 500 hPa for Apr



GEOS-Chem Difference Maps at surface and 500 hPa

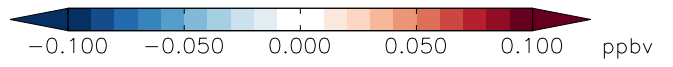
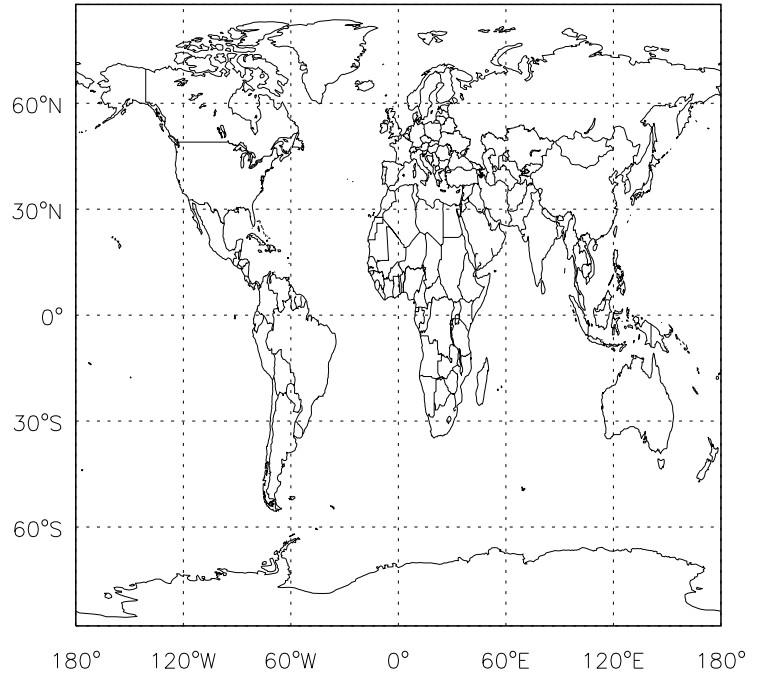
v11-01b-Run0 - v10-01-public-Run0

CIN02 - Diff @ Surface for Apr



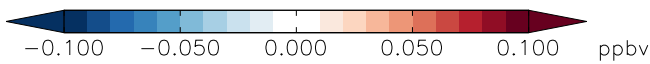
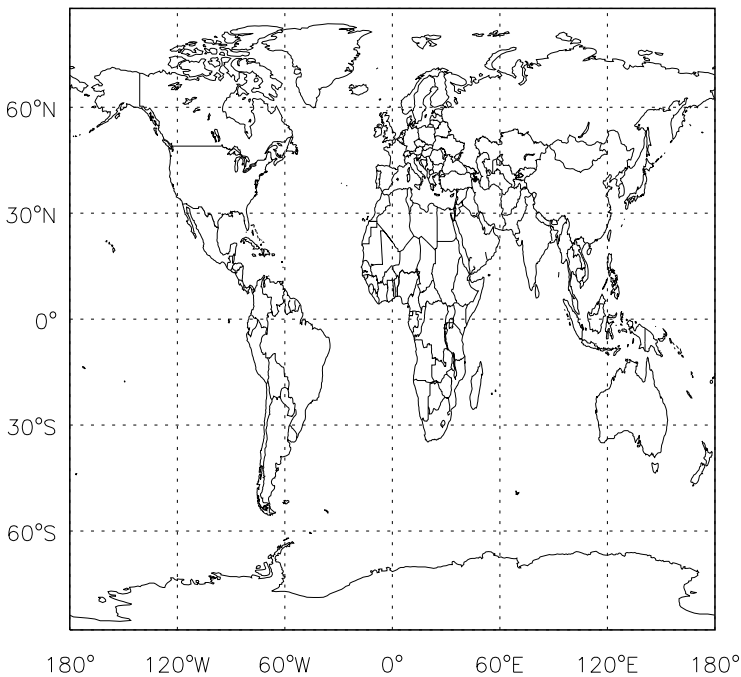
v11-01b-Run0 - v10-01-public-Run0

CIN02 - Diff @ 500 hPa for Apr



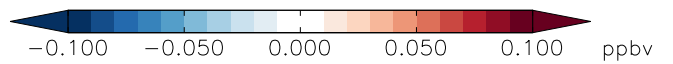
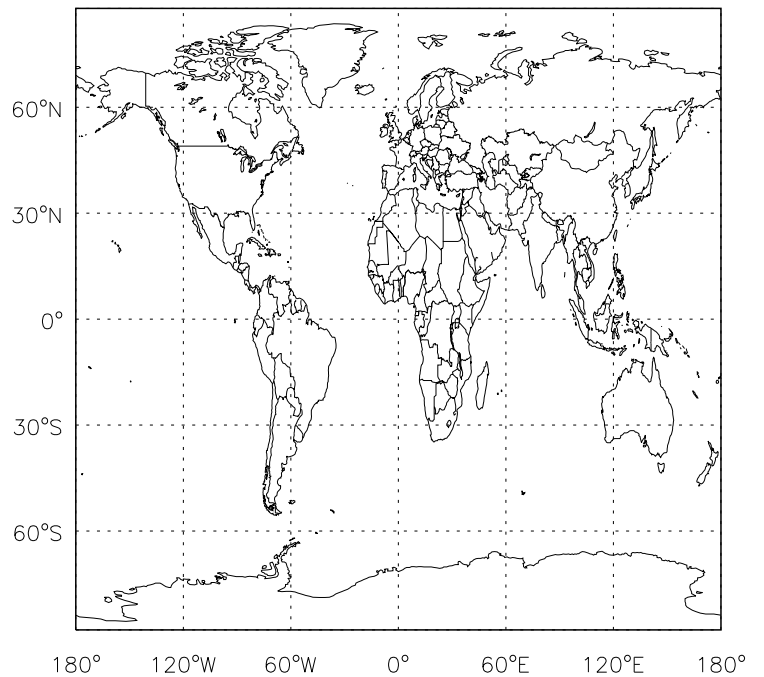
v11-01b-Run0 - v10-01i-geosfp-Run0

CIN02 - Diff @ Surface for Apr



v11-01b-Run0 - v10-01i-geosfp-Run0

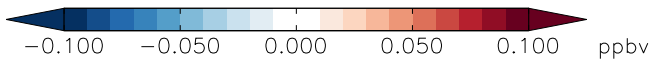
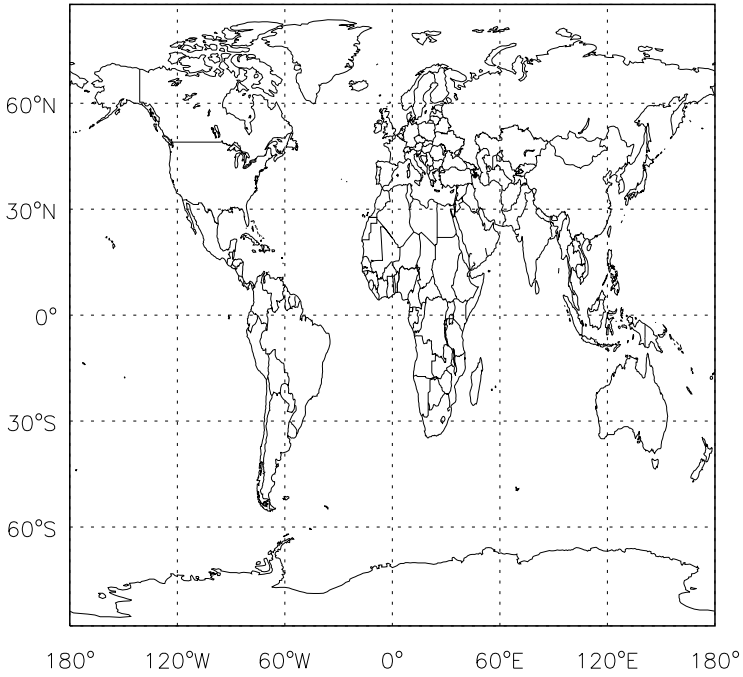
CIN02 - Diff @ 500 hPa for Apr



GEOS-Chem Difference Maps at surface and 500 hPa

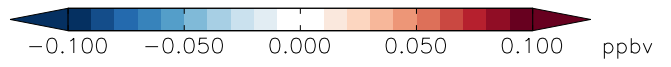
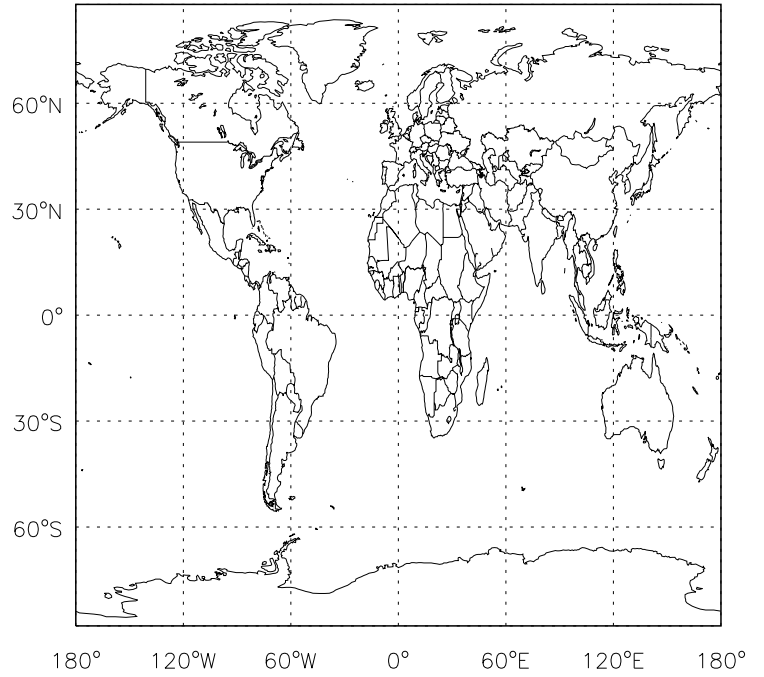
v11-01b-Run0 - v10-01-public-Run0

ClOO - Diff @ Surface for Apr



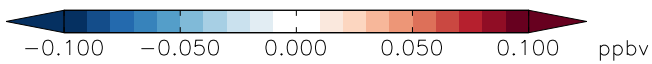
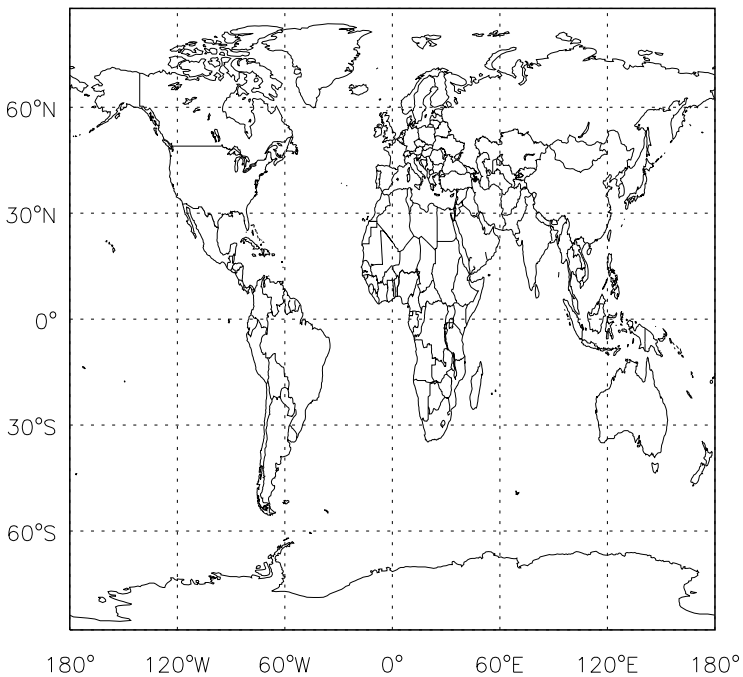
v11-01b-Run0 - v10-01-public-Run0

ClOO - Diff @ 500 hPa for Apr



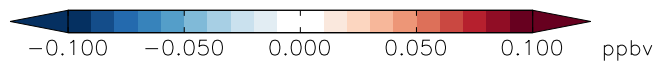
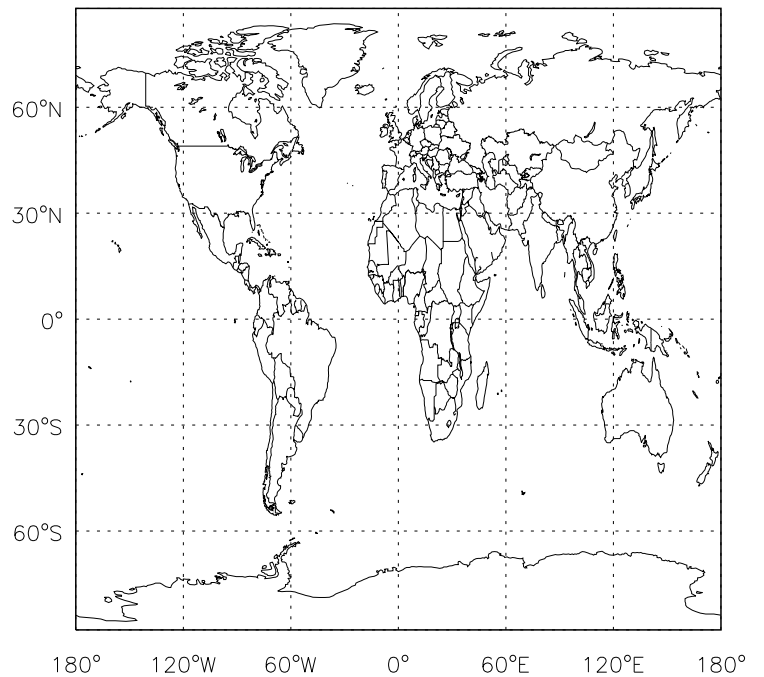
v11-01b-Run0 - v10-01i-geosfp-Run0

ClOO - Diff @ Surface for Apr



v11-01b-Run0 - v10-01i-geosfp-Run0

ClOO - Diff @ 500 hPa for Apr

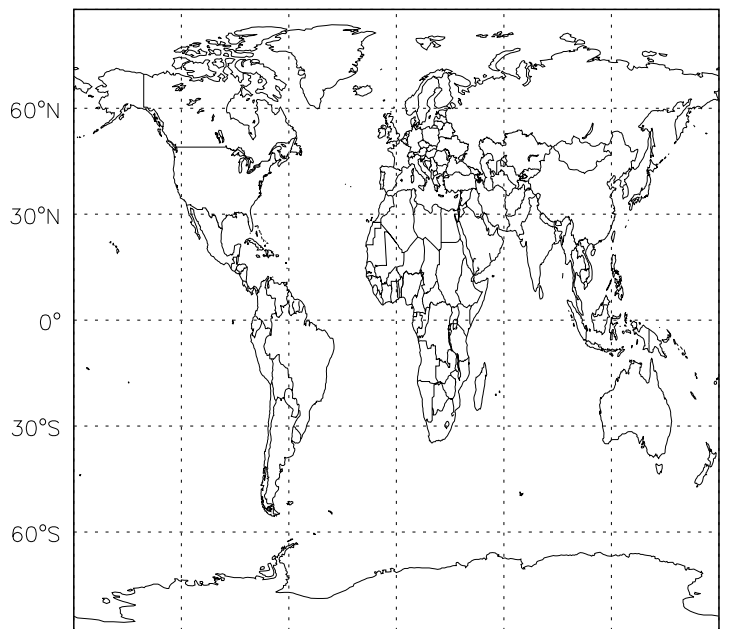




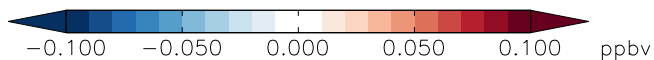
GEOS-Chem Difference Maps at surface and 500 hPa

v11-01b-Run0 - v10-01-public-Run0

OCIO - Diff @ Surface for Apr

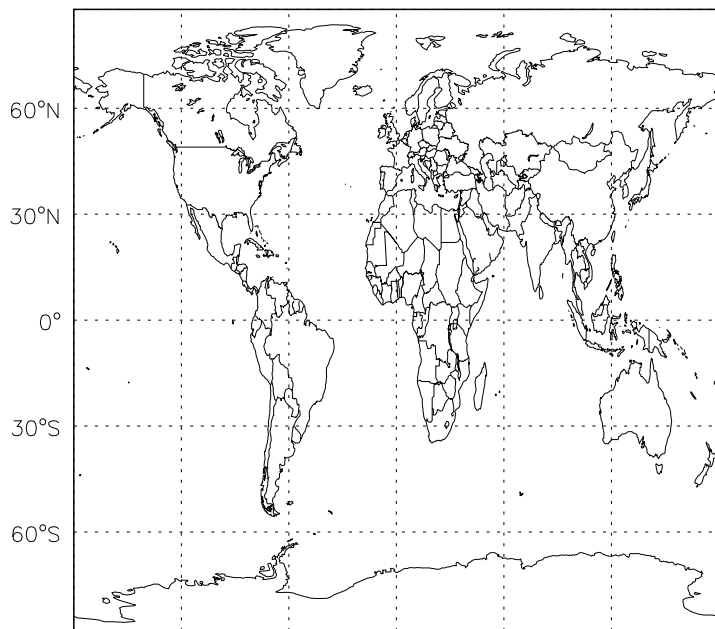


180° 120°W 60°W 0° 60°E 120°E 180°

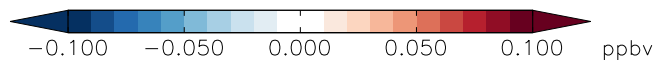


v11-01b-Run0 - v10-01-public-Run0

OCIO - Diff @ 500 hPa for Apr

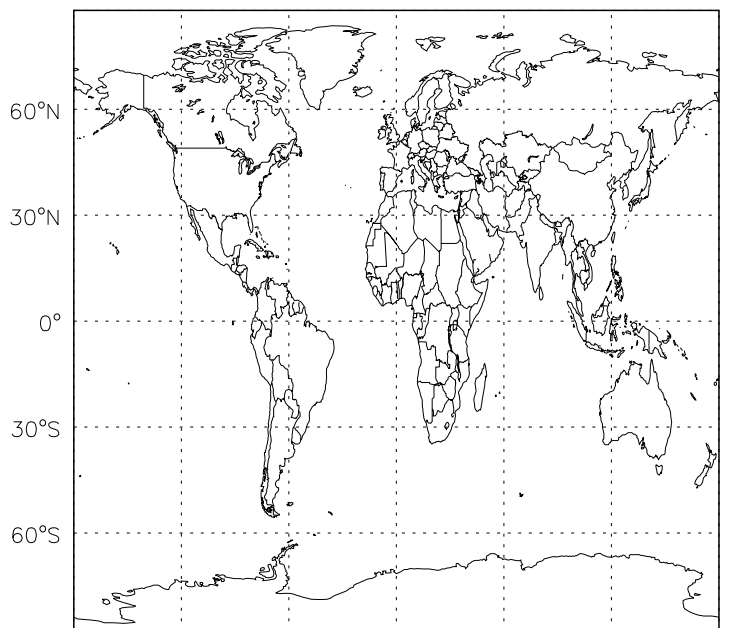


180° 120°W 60°W 0° 60°E 120°E 180°

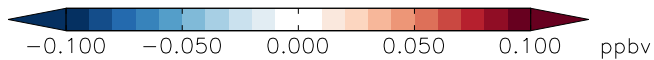


v11-01b-Run0 - v10-01i-geosfp-Run0

OCIO - Diff @ Surface for Apr

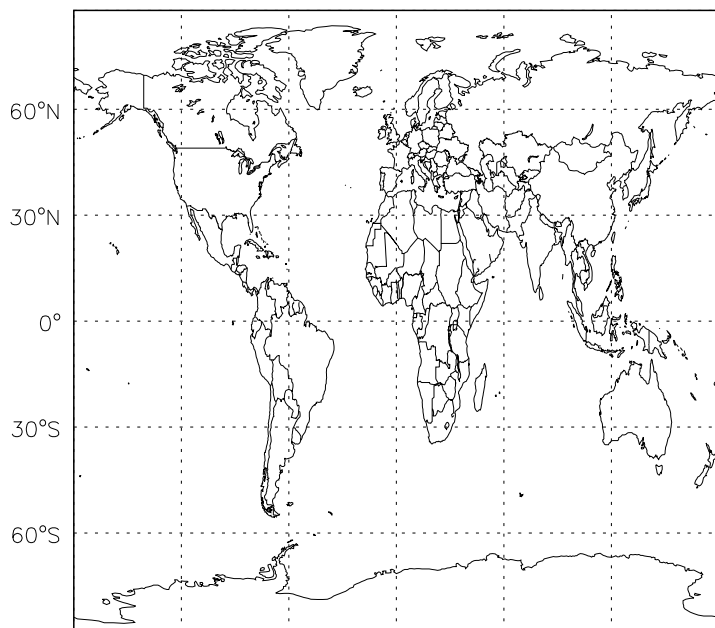


180° 120°W 60°W 0° 60°E 120°E 180°

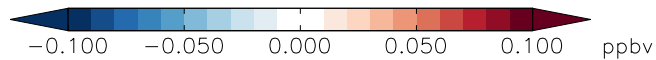


v11-01b-Run0 - v10-01i-geosfp-Run0

OCIO - Diff @ 500 hPa for Apr



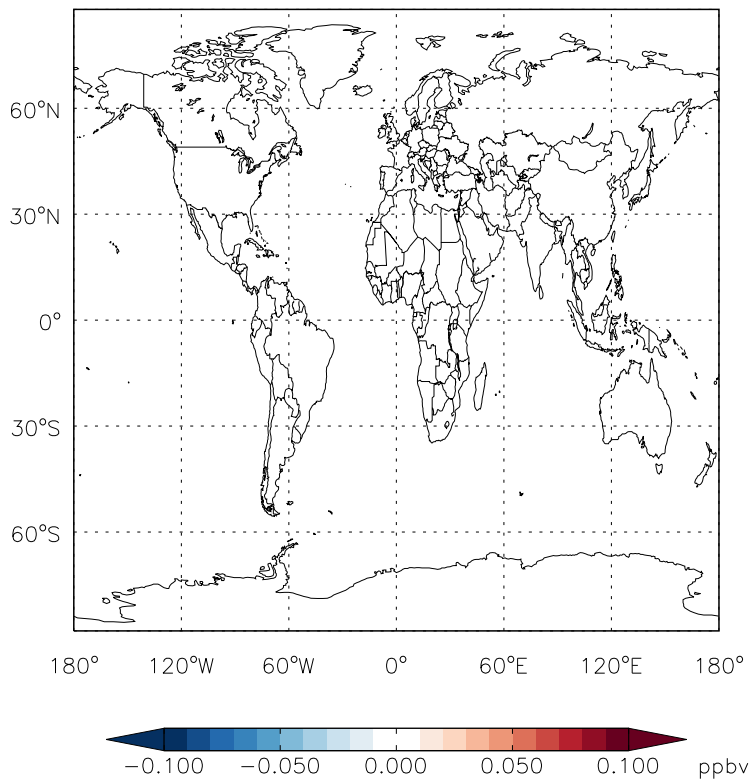
180° 120°W 60°W 0° 60°E 120°E 180°



# GEOS-Chem Difference Maps at surface and 500 hPa

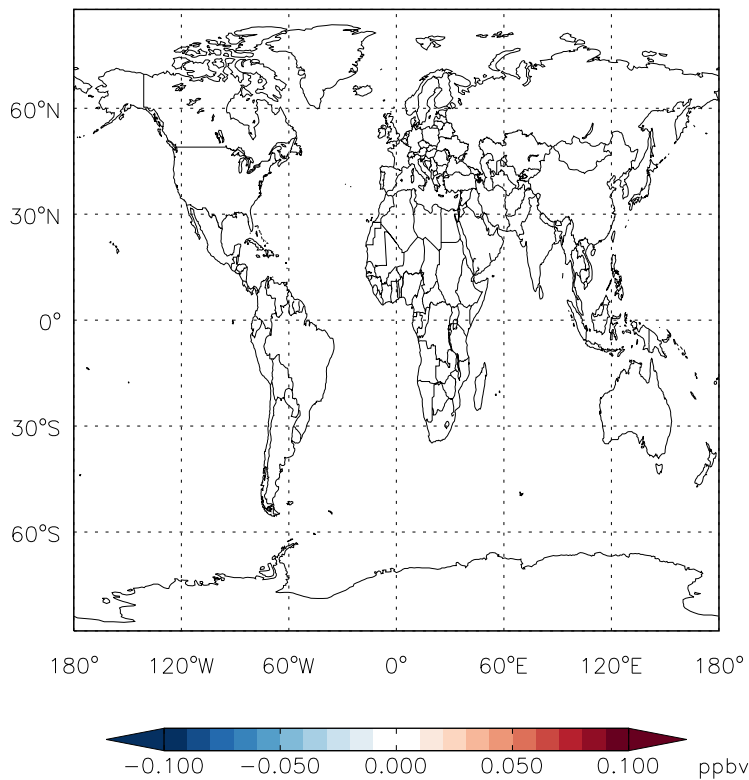
v11-01b-Run0 - v10-01-public-Run0

Cl2 - Diff @ Surface for Apr



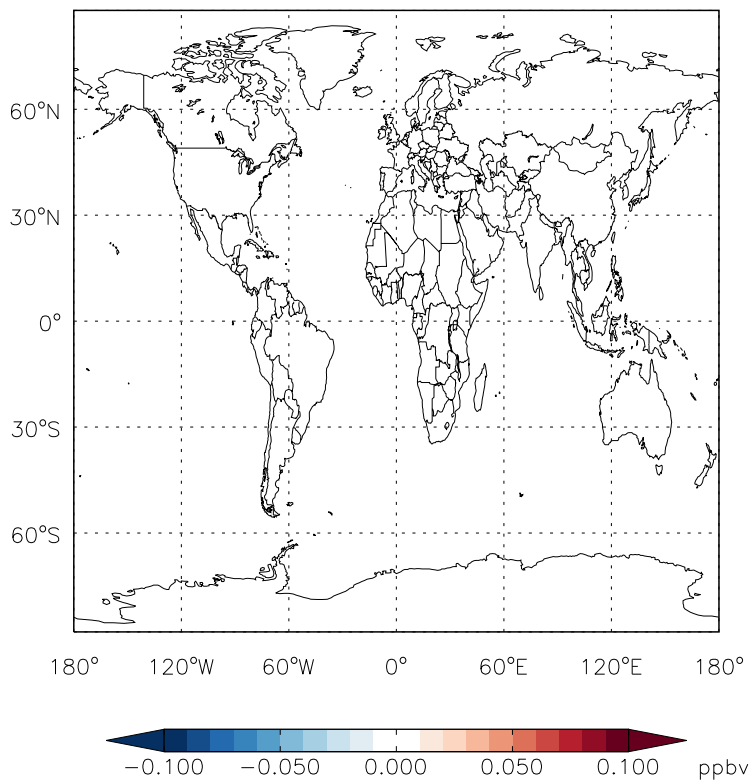
v11-01b-Run0 - v10-01-public-Run0

Cl2- Diff @ 500 hPa for Apr



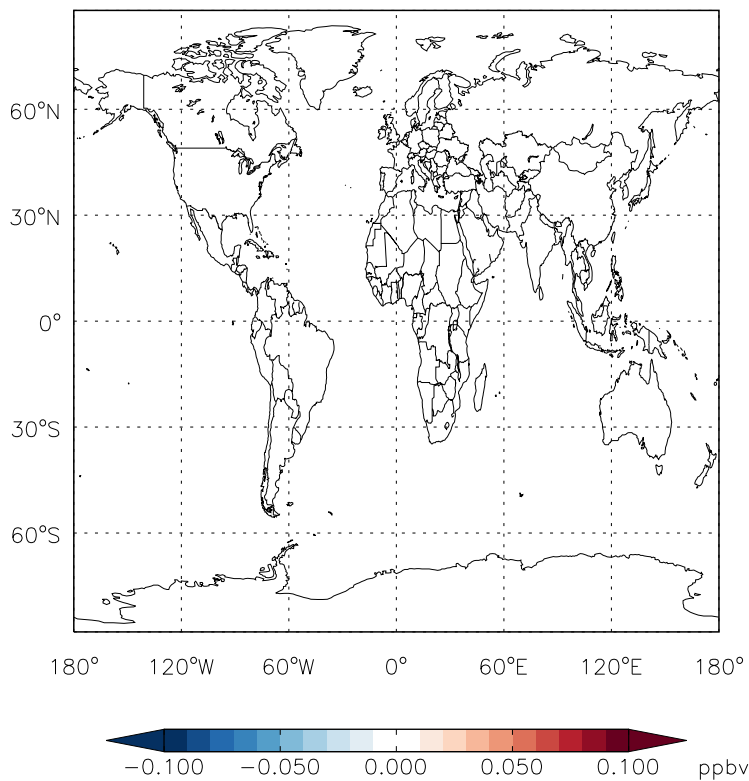
v11-01b-Run0 - v10-01i-geosfp-Run0

Cl2 - Diff @ Surface for Apr



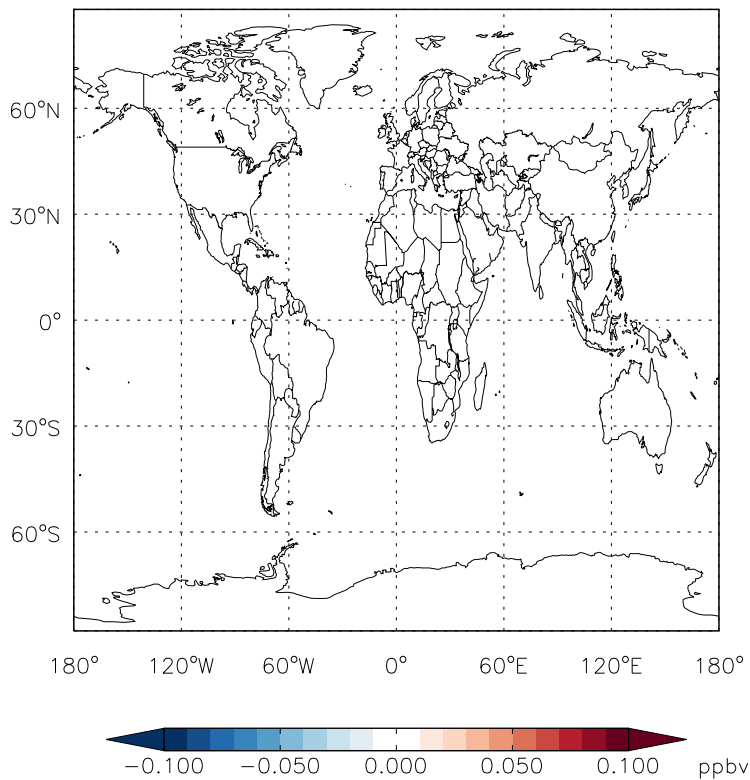
v11-01b-Run0 - v10-01i-geosfp-Run0

Cl2- Diff @ 500 hPa for Apr

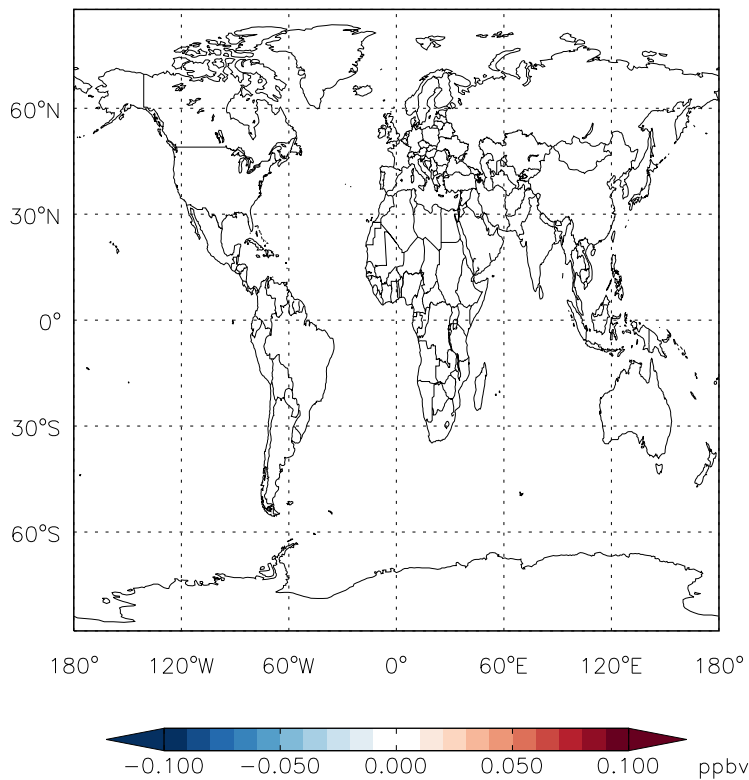


# GEOS-Chem Difference Maps at surface and 500 hPa

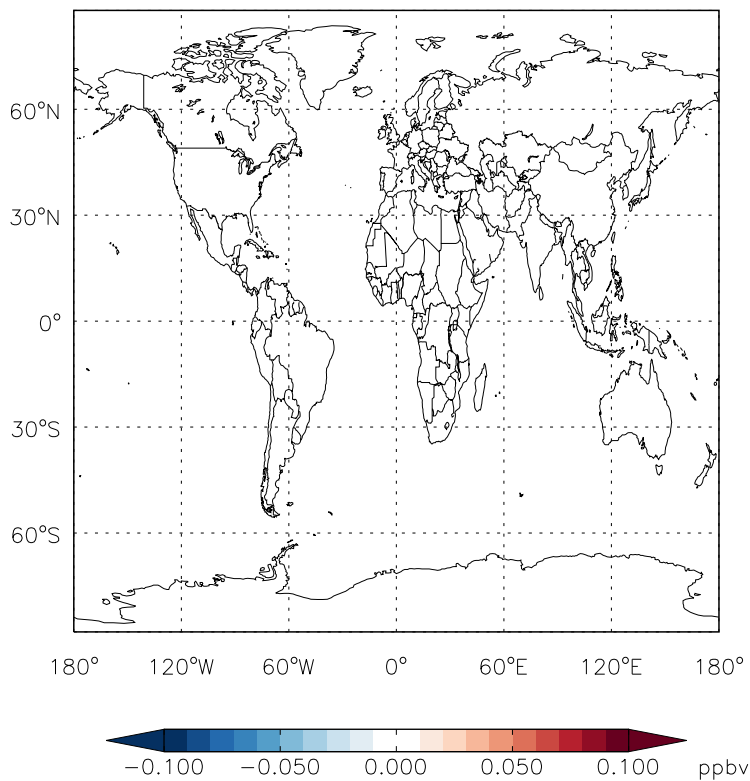
v11-01b-Run0 - v10-01-public-Run0  
Cl2O2 - Diff @ Surface for Apr



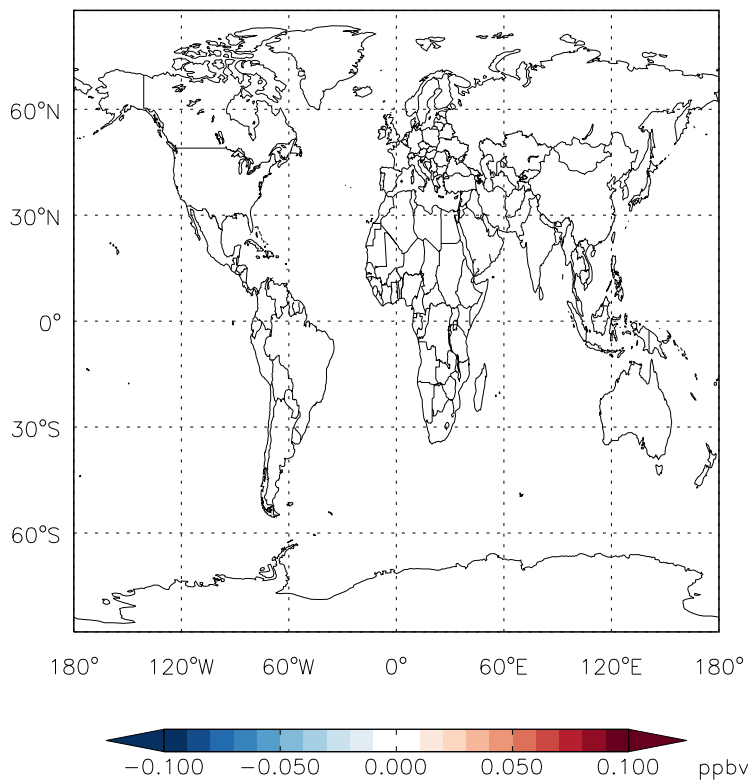
v11-01b-Run0 - v10-01-public-Run0  
Cl2O2 - Diff @ 500 hPa for Apr



v11-01b-Run0 - v10-01i-geosfp-Run0  
Cl2O2 - Diff @ Surface for Apr



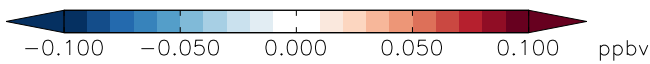
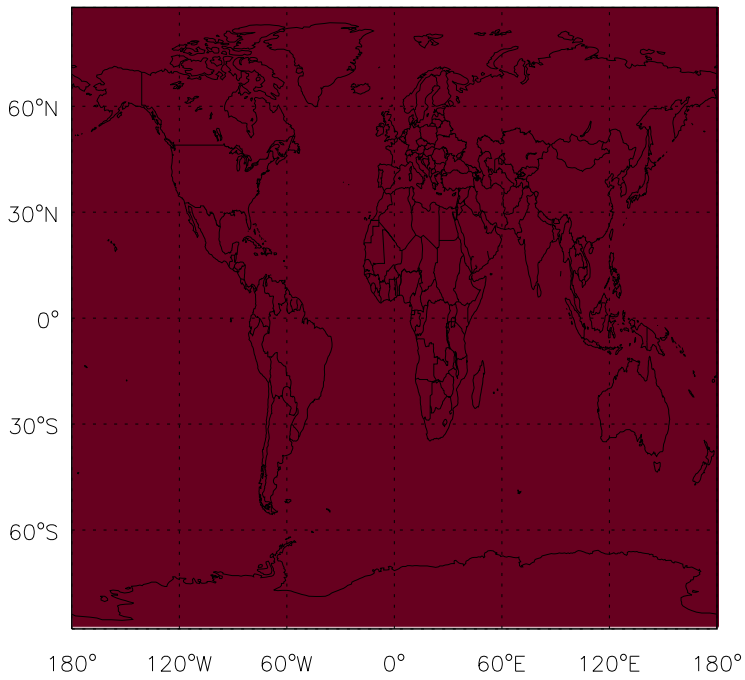
v11-01b-Run0 - v10-01i-geosfp-Run0  
Cl2O2 - Diff @ 500 hPa for Apr



GEOS-Chem Difference Maps at surface and 500 hPa

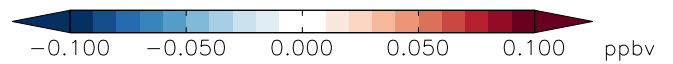
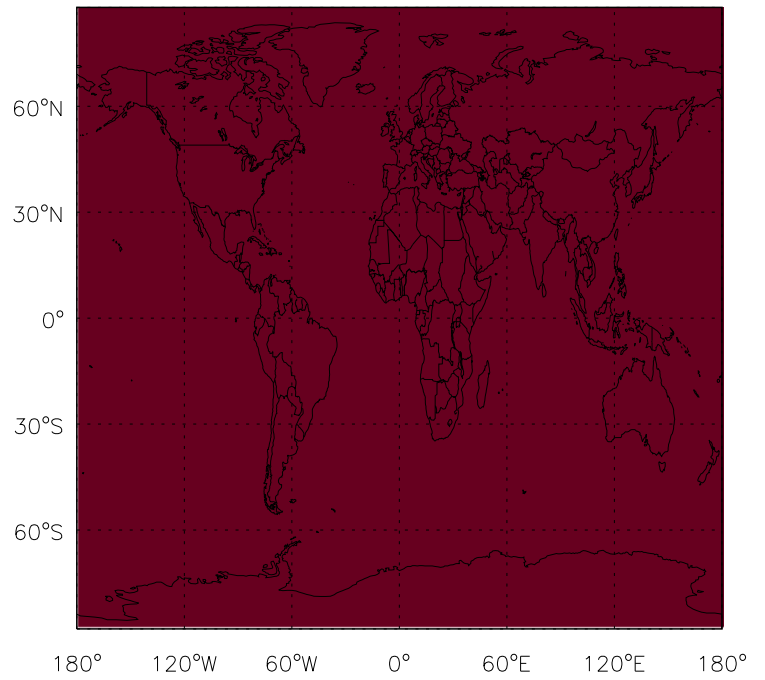
v11-01b-Run0 - v10-01-public-Run0

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



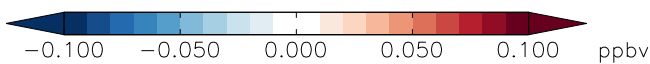
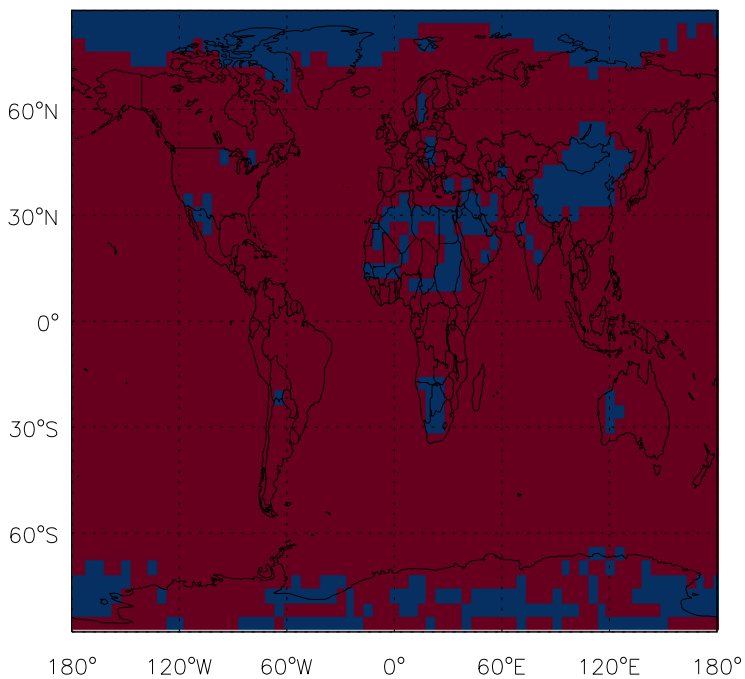
v11-01b-Run0 - v10-01-public-Run0

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



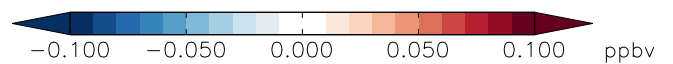
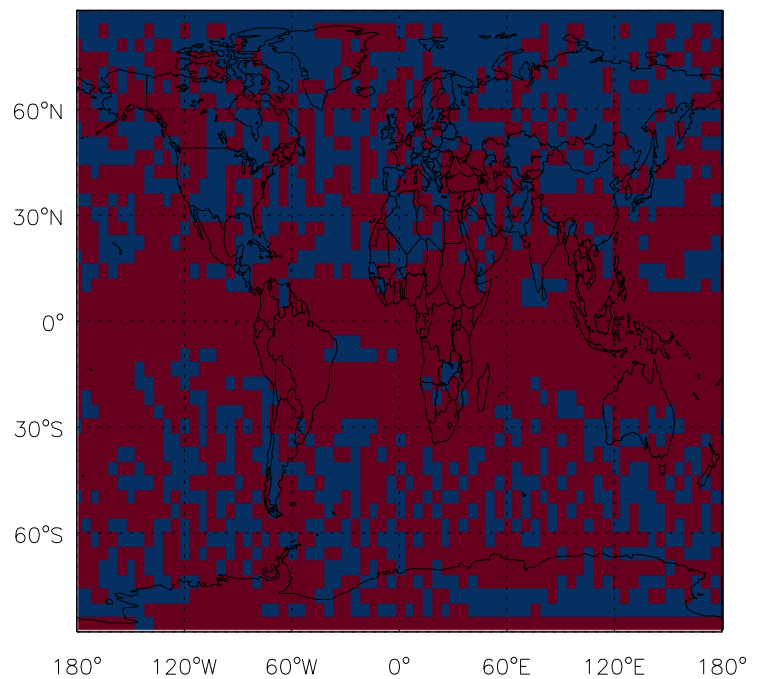
v11-01b-Run0 - v10-01i-geosfp-Run0

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



v11-01b-Run0 - v10-01i-geosfp-Run0

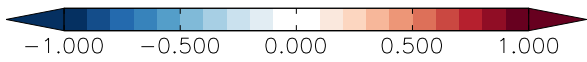
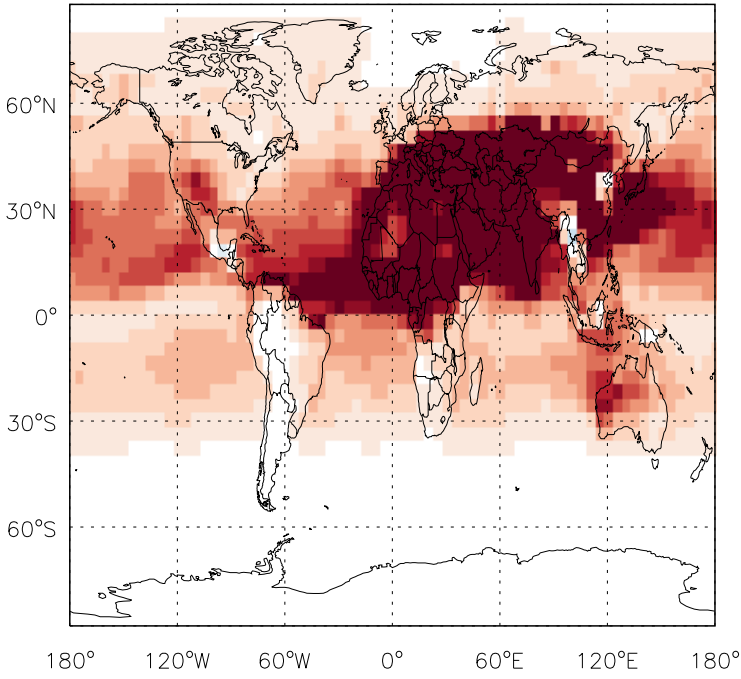
H<sub>2</sub>O - Diff @ 500 hPa for Apr



# GEOS-Chem Difference Maps at surface and 500 hPa

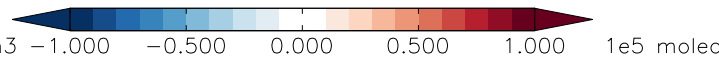
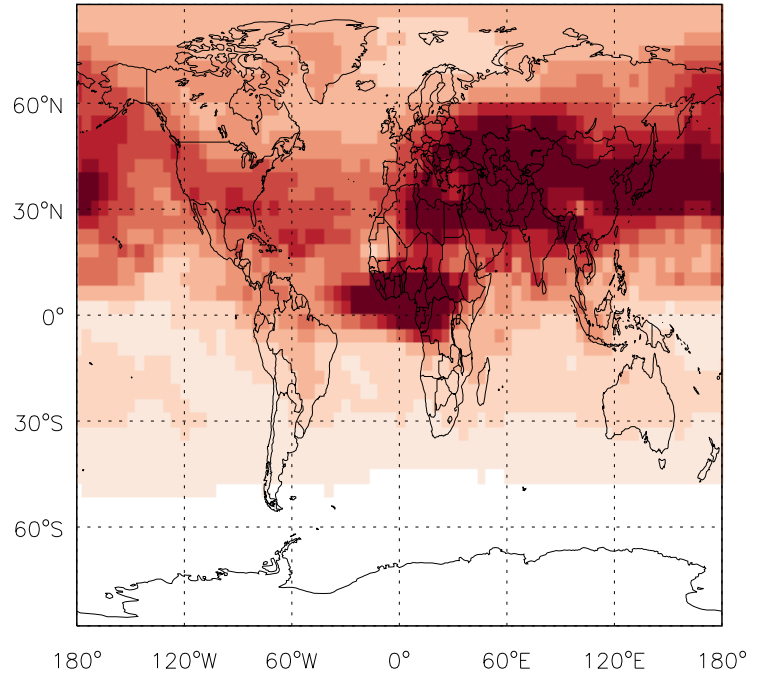
v11-01b-Run0 - v10-01-public-Run0

OH - Diff @ Surface for Apr



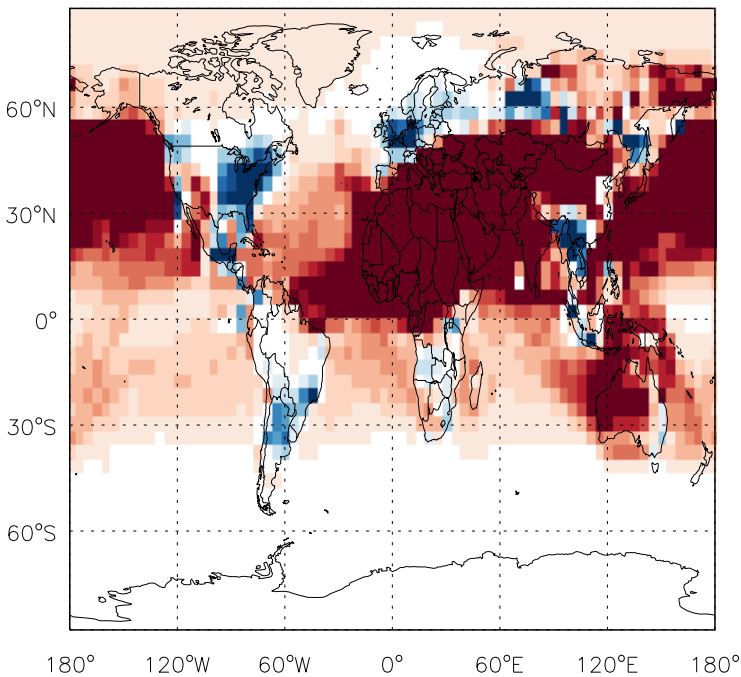
v11-01b-Run0 - v10-01-public-Run0

OH- Diff @ 500 hPa for Apr



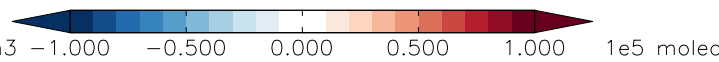
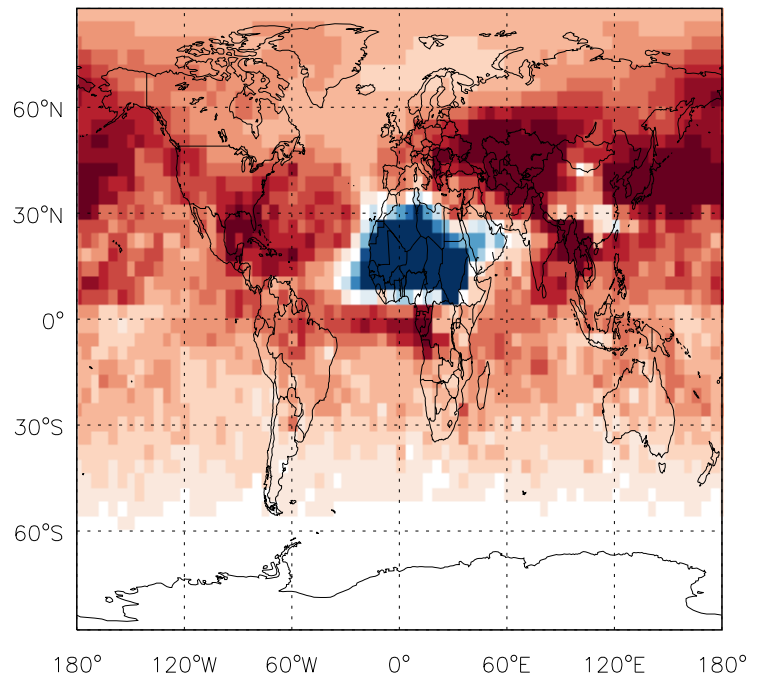
v11-01b-Run0 - v10-01i-geosfp-Run0

OH - Diff @ Surface for Apr



v11-01b-Run0 - v10-01i-geosfp-Run0

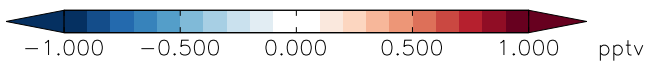
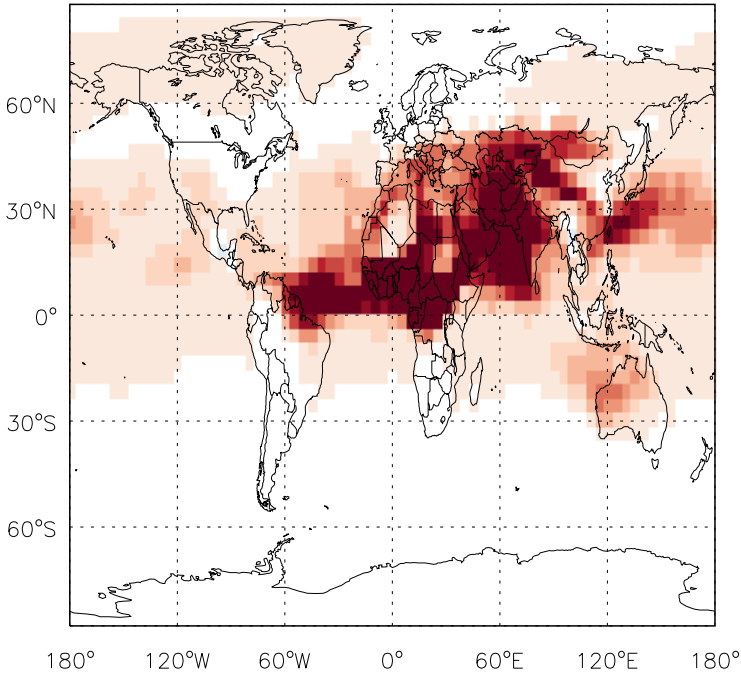
OH- Diff @ 500 hPa for Apr



# GEOS-Chem Difference Maps at surface and 500 hPa

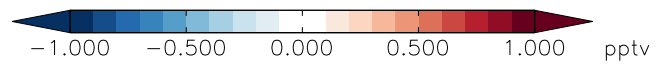
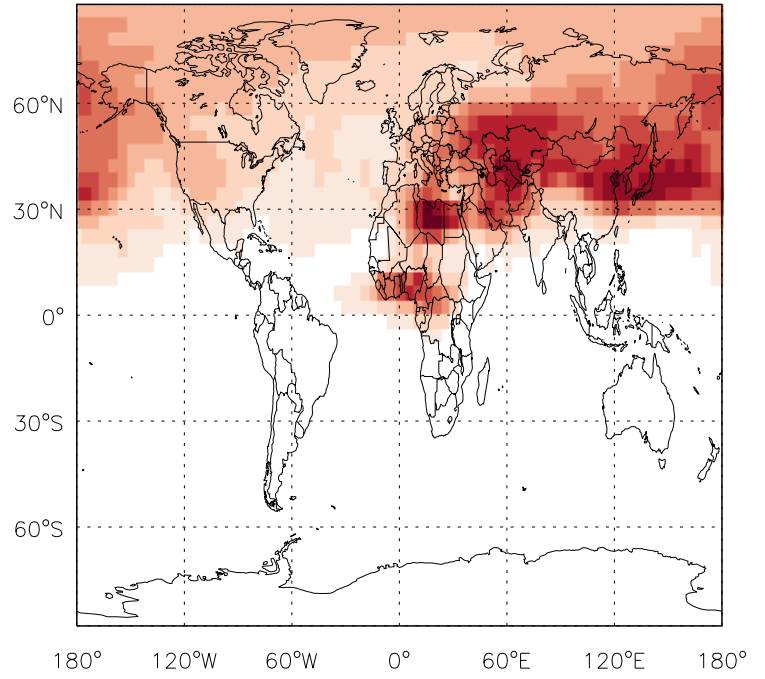
v11-01b-Run0 - v10-01-public-Run0

H<sub>2</sub> - Diff @ Surface for Apr



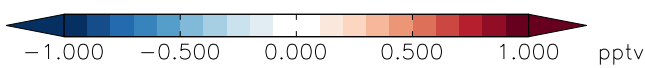
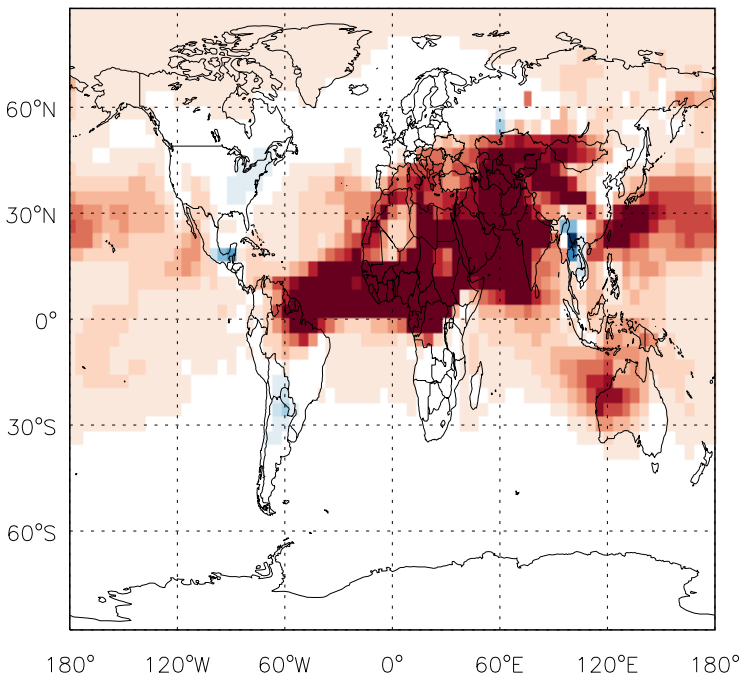
v11-01b-Run0 - v10-01-public-Run0

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



v11-01b-Run0 - v10-01i-geosfp-Run0

H<sub>2</sub> - Diff @ Surface for Apr



v11-01b-Run0 - v10-01i-geosfp-Run0

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

