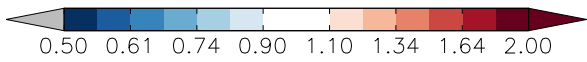
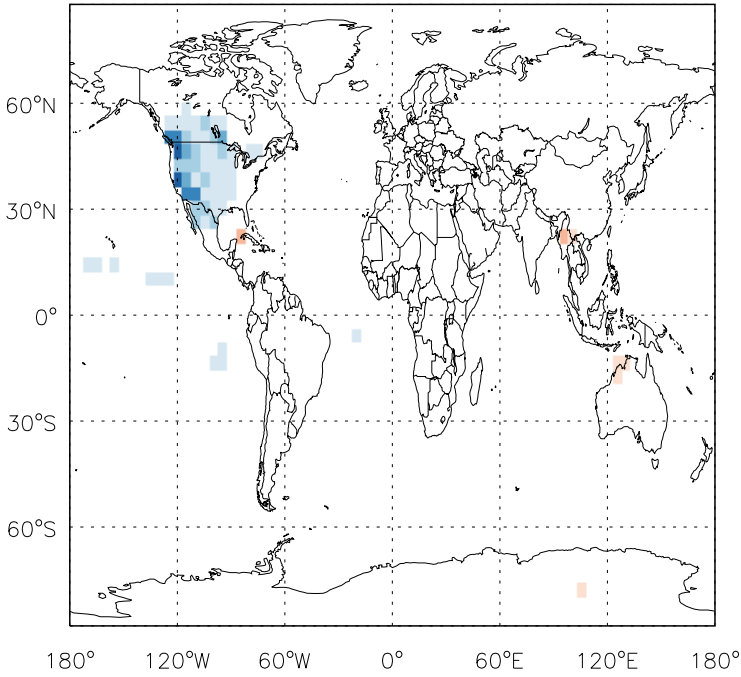
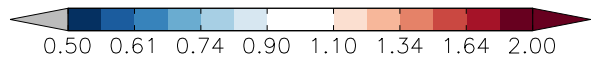
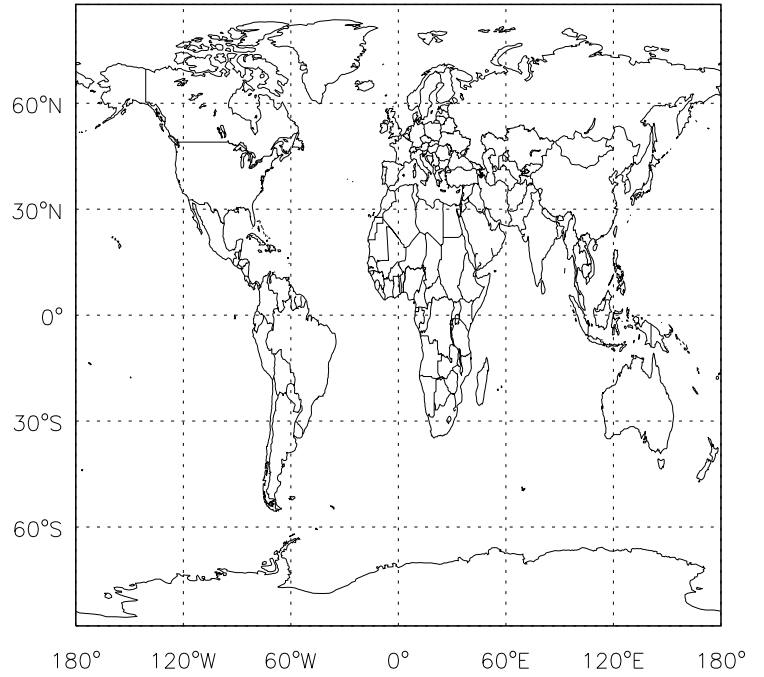


GEOS-Chem Ratio Maps at surface and 500 hPa

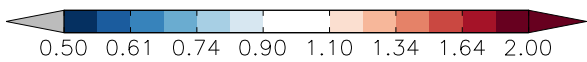
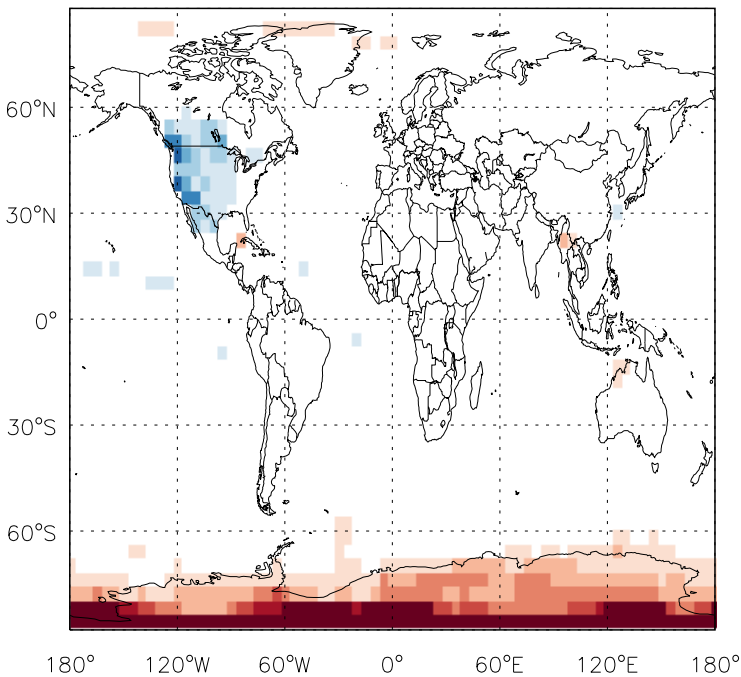
v11-01d-Run1 / v11-01b-Run0  
NO / Ratio @ Surface for Apr



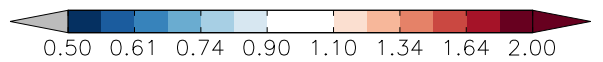
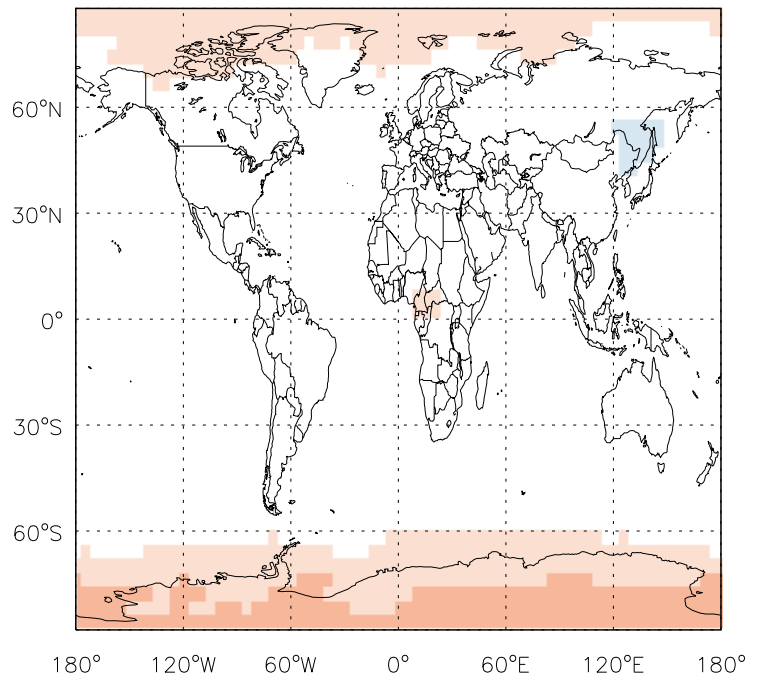
v11-01d-Run1 / v11-01b-Run0  
NO / Ratio @ 500 hPa for Apr



v11-01d-Run1 / v10-01-public-Run0  
NO / Ratio @ Surface for Apr



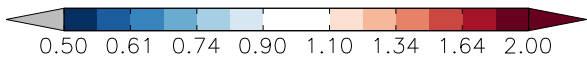
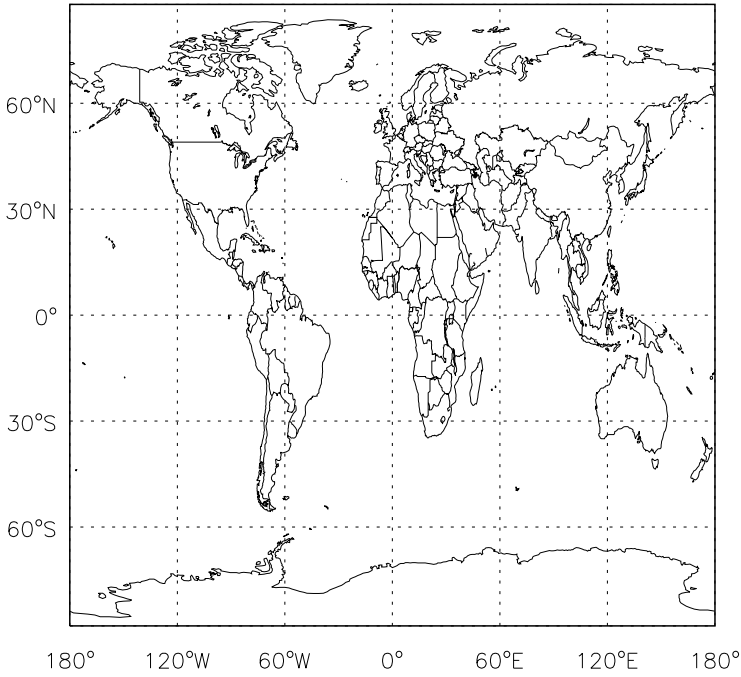
v11-01d-Run1 / v10-01-public-Run0  
NO / Ratio @ 500 hPa for Apr



GEOS-Chem Ratio Maps at surface and 500 hPa

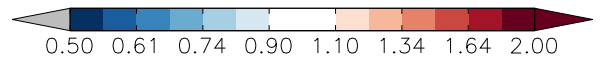
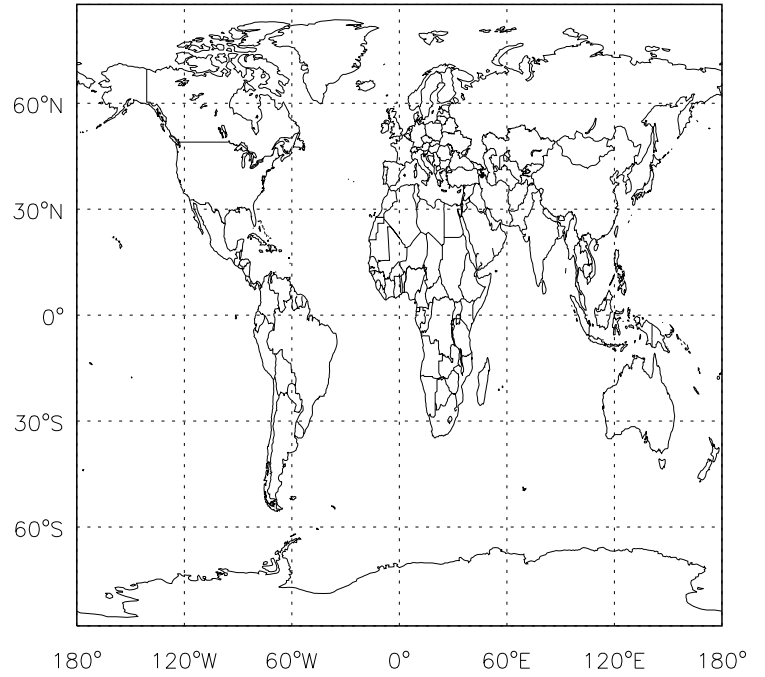
v11-01d-Run1 / v11-01b-Run0

O3 / Ratio @ Surface for Apr



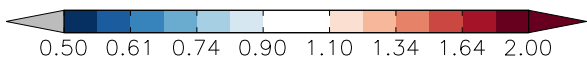
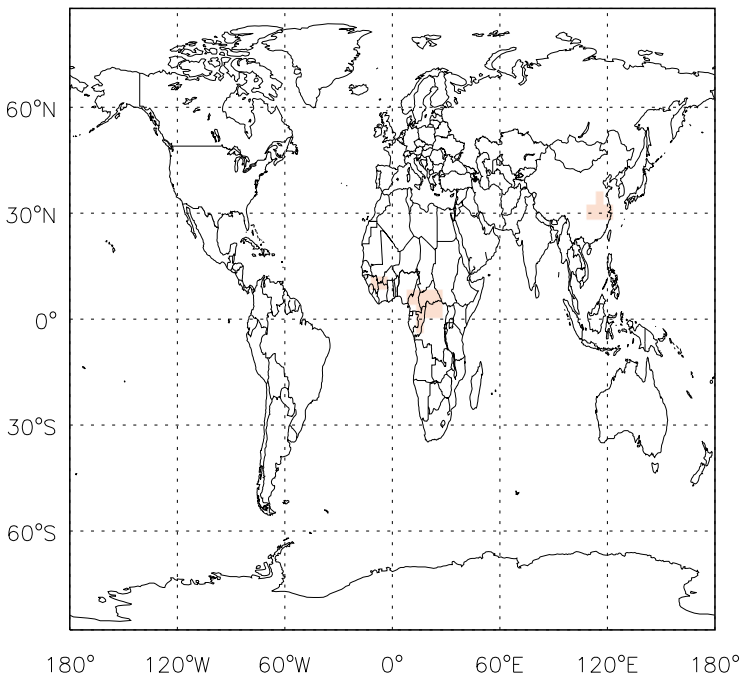
v11-01d-Run1 / v11-01b-Run0

O3 / Ratio @ 500 hPa for Apr



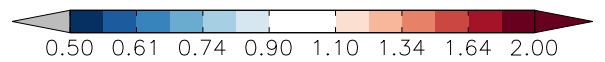
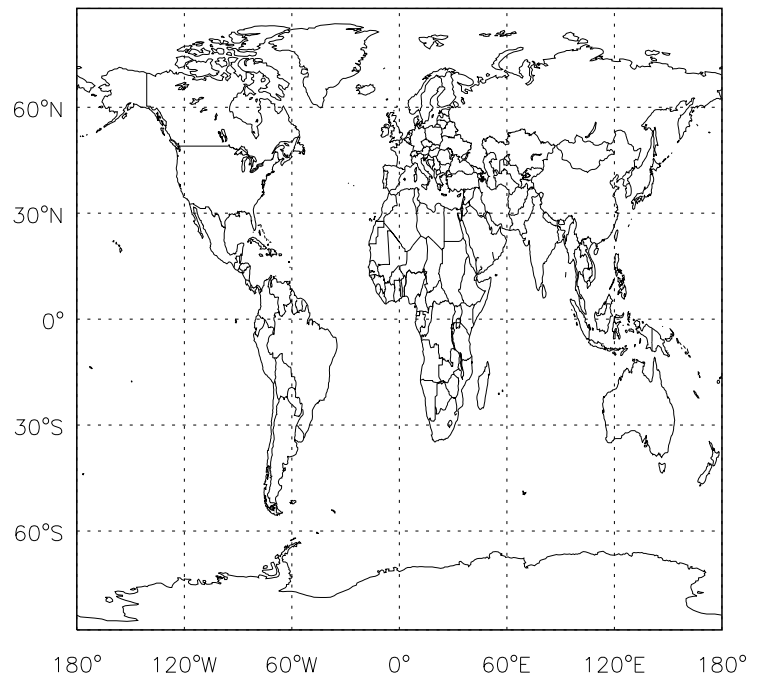
v11-01d-Run1 / v10-01-public-Run0

O3 / Ratio @ Surface for Apr



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

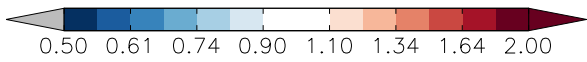
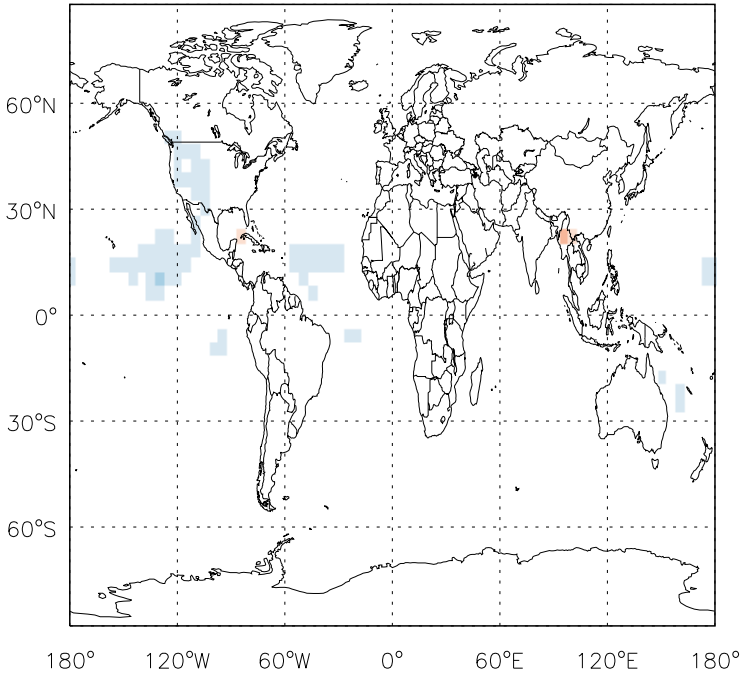
O3 / Ratio @ 500 hPa for Apr



# GEOS-Chem Ratio Maps at surface and 500 hPa

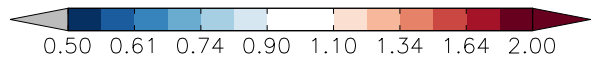
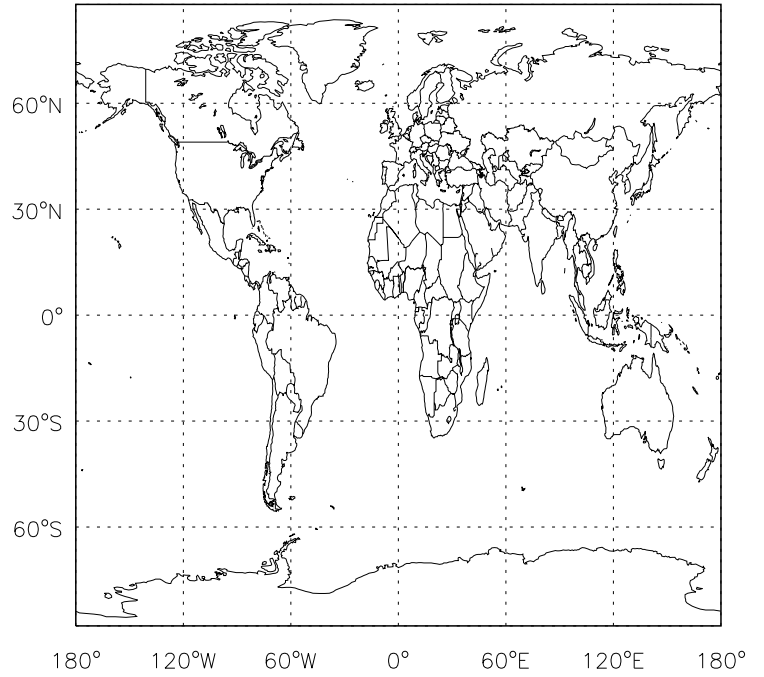
v11-01d-Run1 / v11-01b-Run0

PAN / Ratio @ Surface for Apr



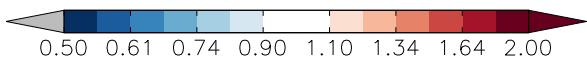
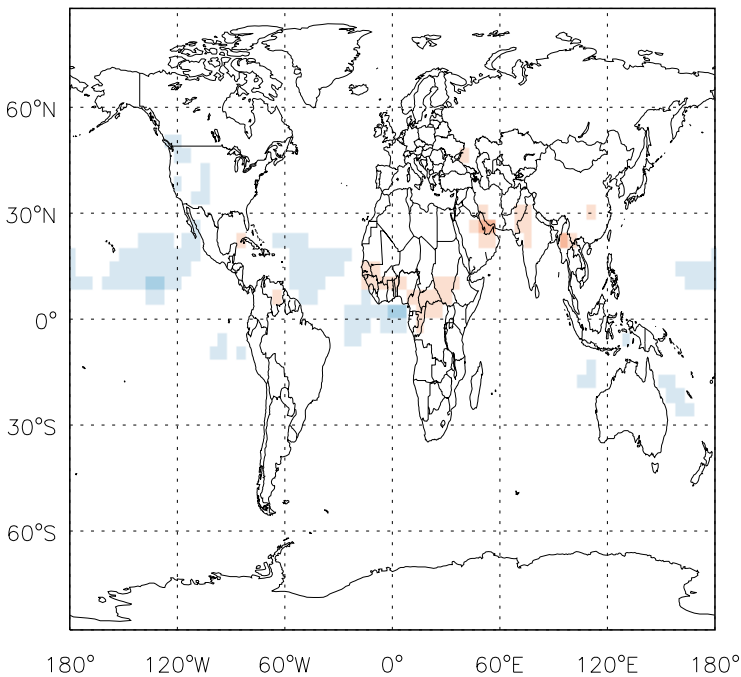
v11-01d-Run1 / v11-01b-Run0

PAN/ Ratio @ 500 hPa for Apr



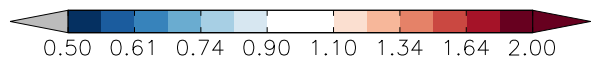
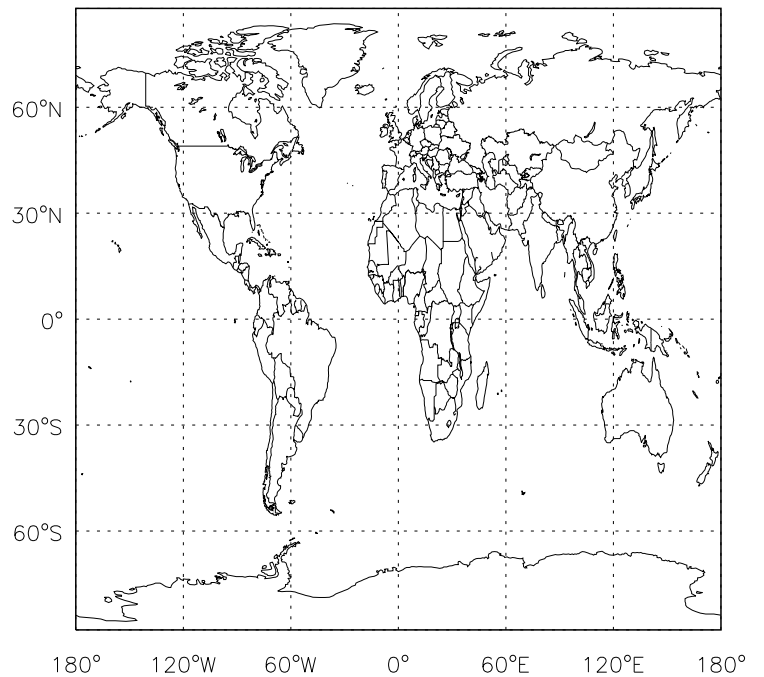
v11-01d-Run1 / v10-01-public-Run0

PAN / Ratio @ Surface for Apr



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

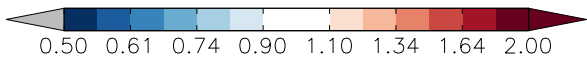
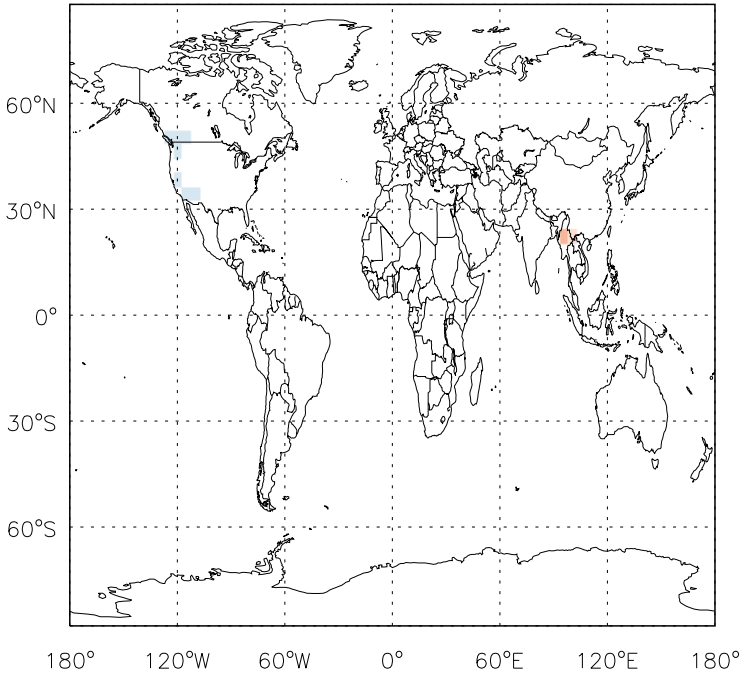
PAN/ Ratio @ 500 hPa for Apr



# GEOS-Chem Ratio Maps at surface and 500 hPa

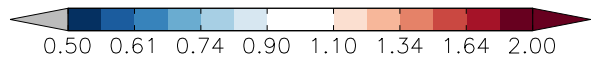
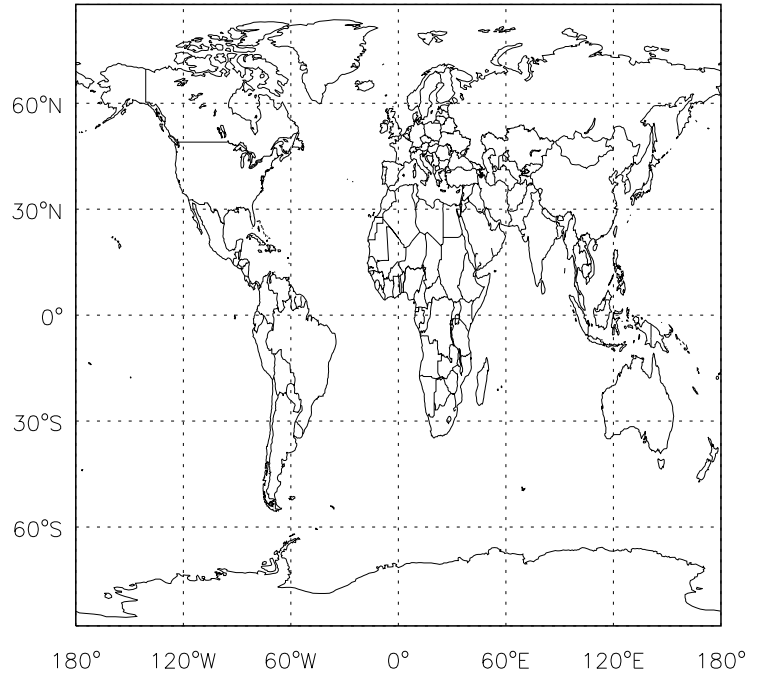
v11-01d-Run1 / v11-01b-Run0

CO / Ratio @ Surface for Apr



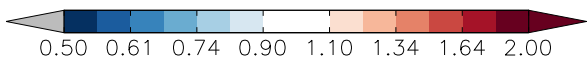
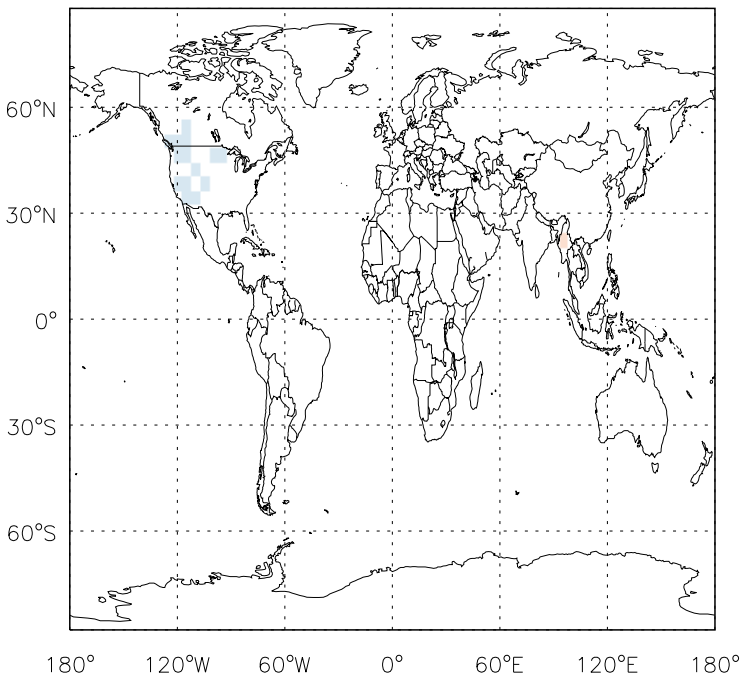
v11-01d-Run1 / v11-01b-Run0

CO / Ratio @ 500 hPa for Apr



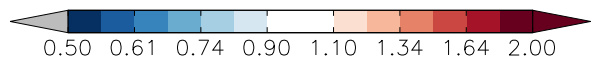
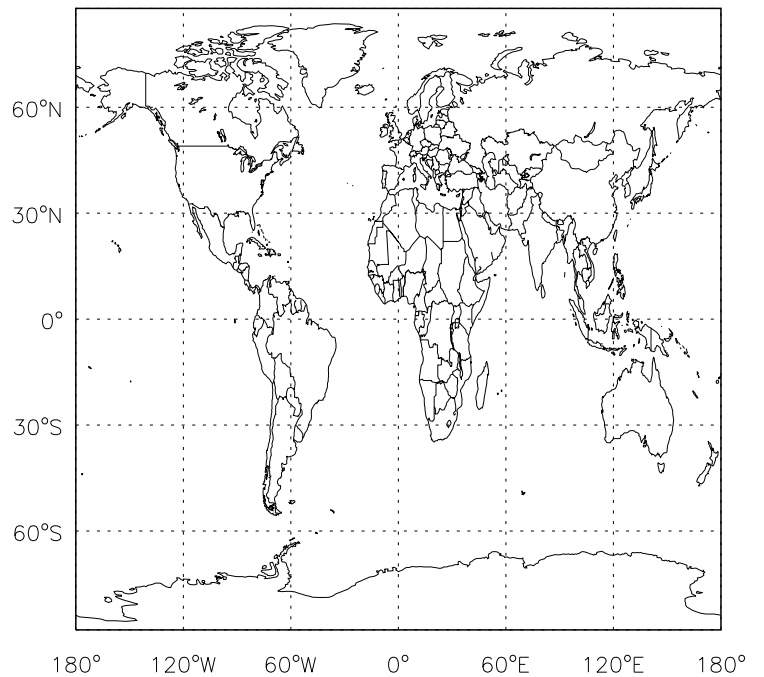
v11-01d-Run1 / v10-01-public-Run0

CO / Ratio @ Surface for Apr



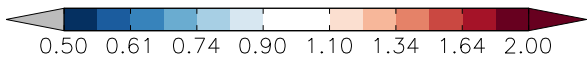
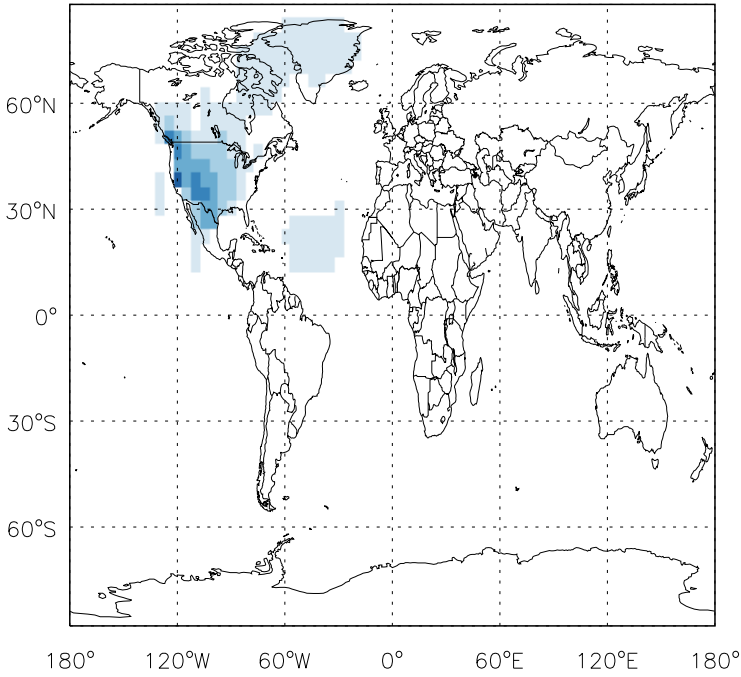
v11-01d-Run1 / v10-01-public-Run0

CO / Ratio @ 500 hPa for Apr

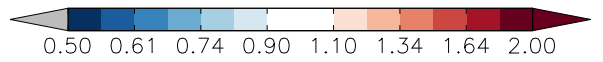
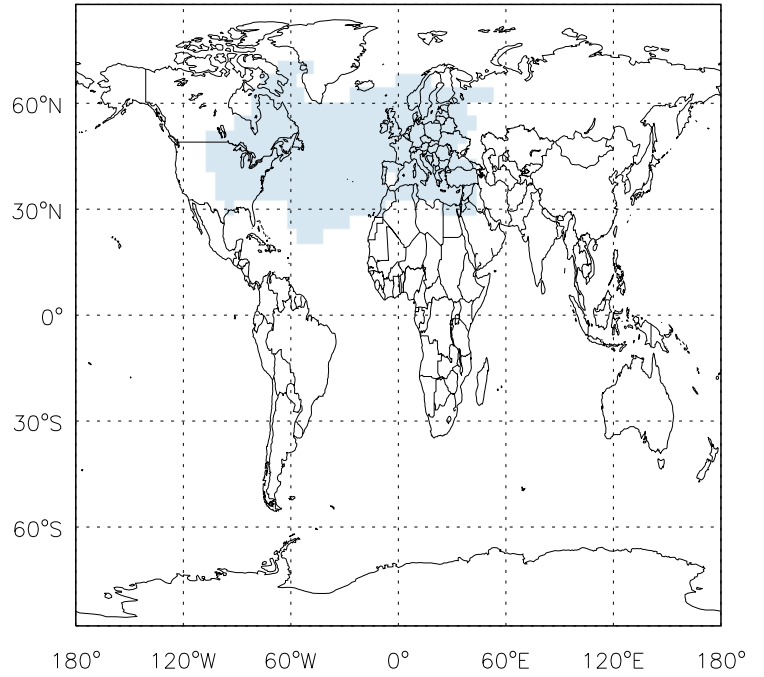


GEOS-Chem Ratio Maps at surface and 500 hPa

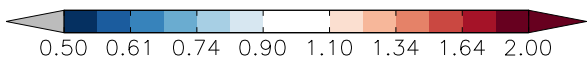
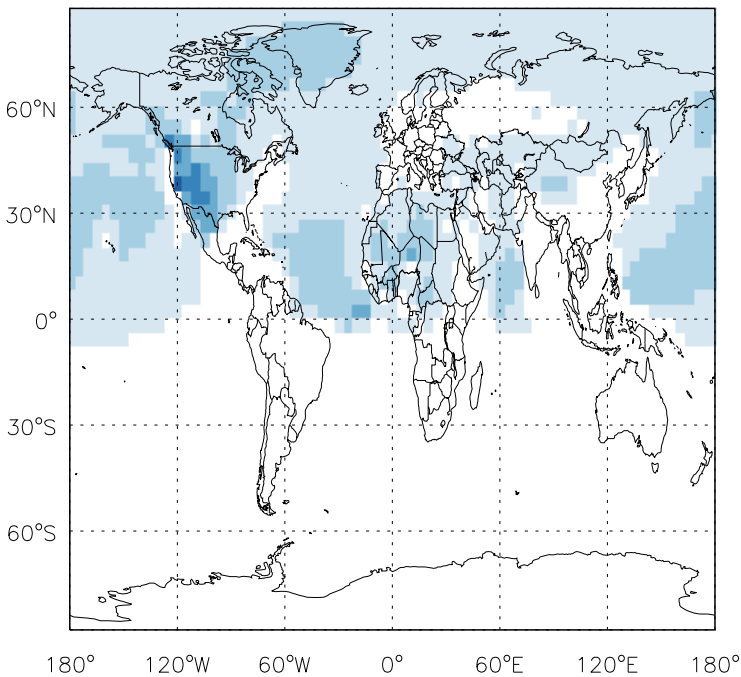
v11-01d-Run1 / v11-01b-Run0  
ALK4 / Ratio @ Surface for Apr



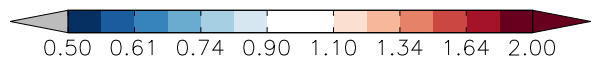
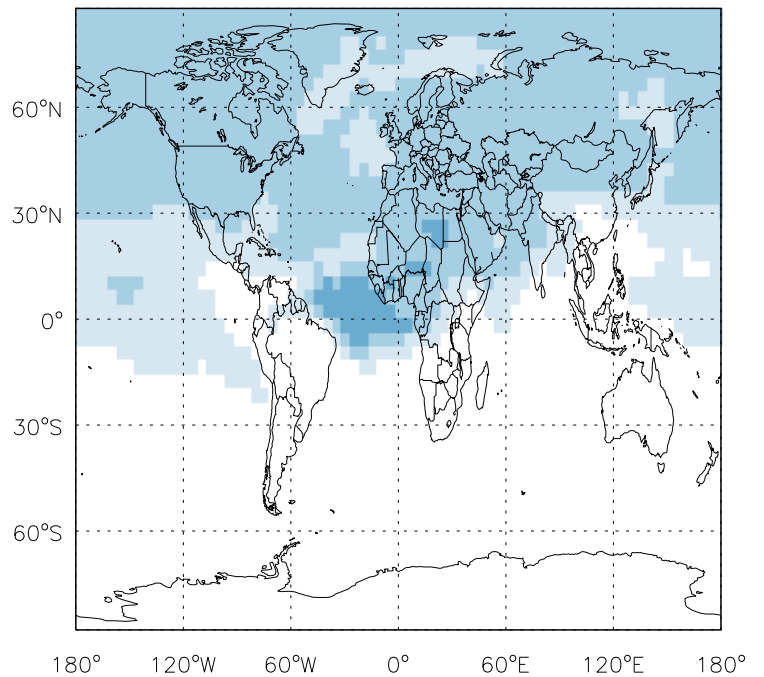
v11-01d-Run1 / v11-01b-Run0  
ALK4/ Ratio @ 500 hPa for Apr



v11-01d-Run1 / v10-01-public-Run0  
ALK4 / Ratio @ Surface for Apr



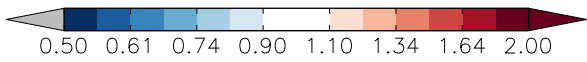
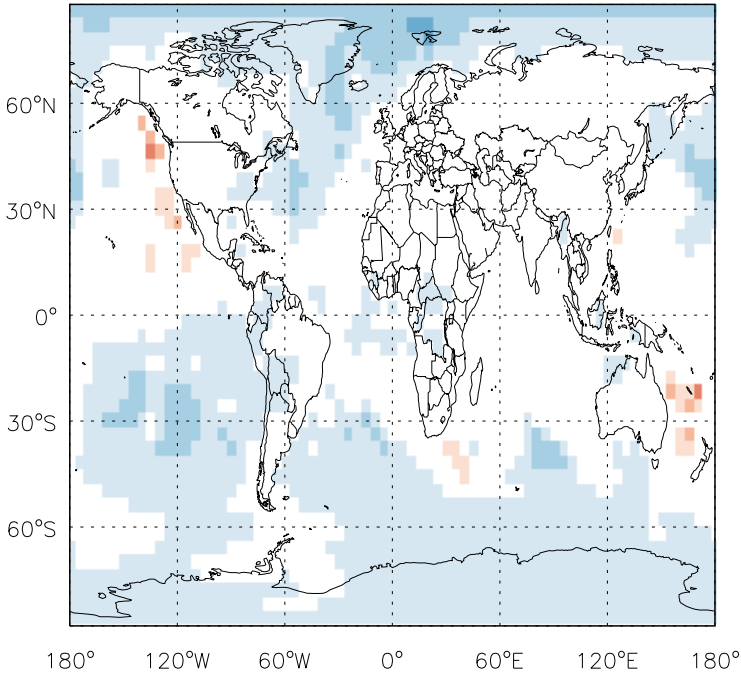
v11-01d-Run1 / v10-01-public-Run0  
ALK4/ Ratio @ 500 hPa for Apr



GEOS-Chem Ratio Maps at surface and 500 hPa

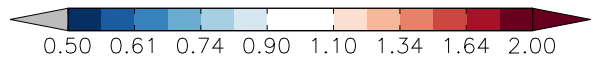
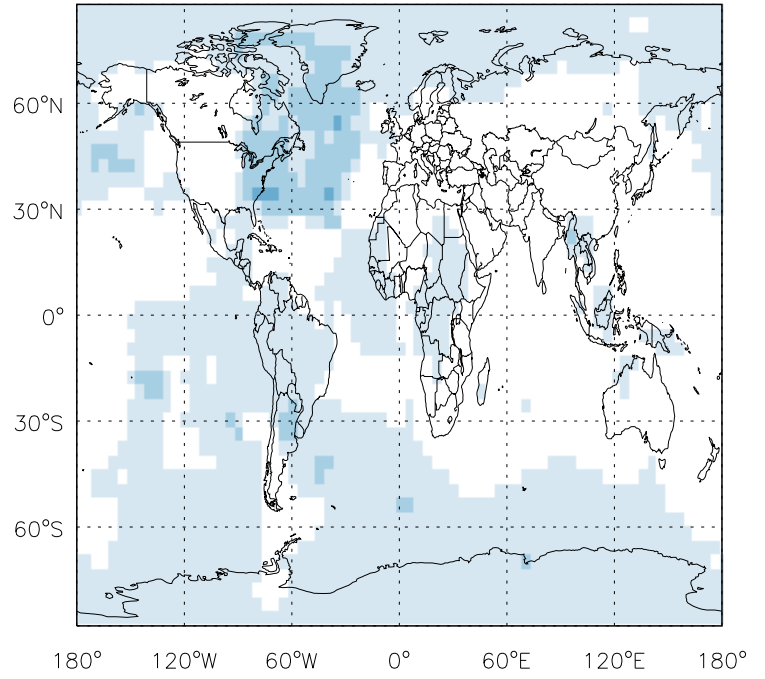
v11-01d-Run1 / v11-01b-Run0

ISOP / Ratio @ Surface for Apr



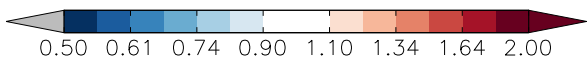
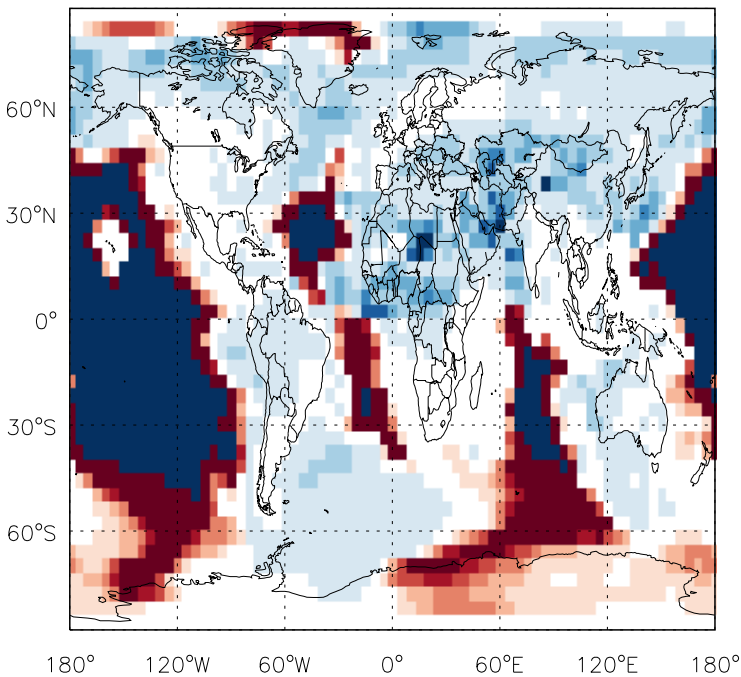
v11-01d-Run1 / v11-01b-Run0

ISOP/ Ratio @ 500 hPa for Apr



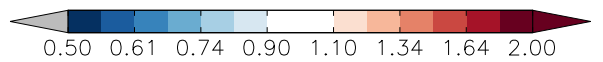
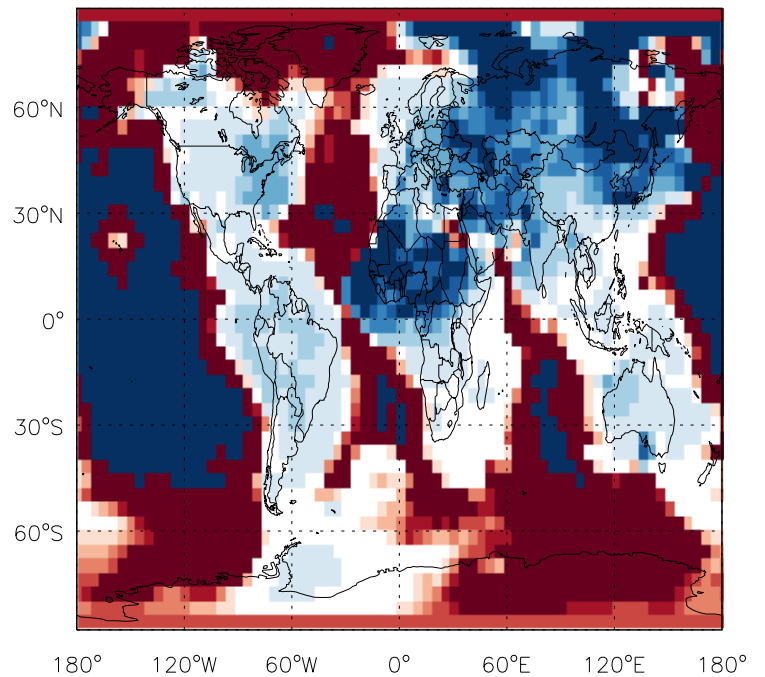
v11-01d-Run1 / v10-01-public-Run0

ISOP / Ratio @ Surface for Apr



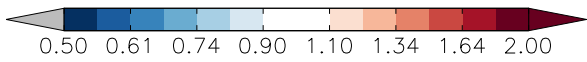
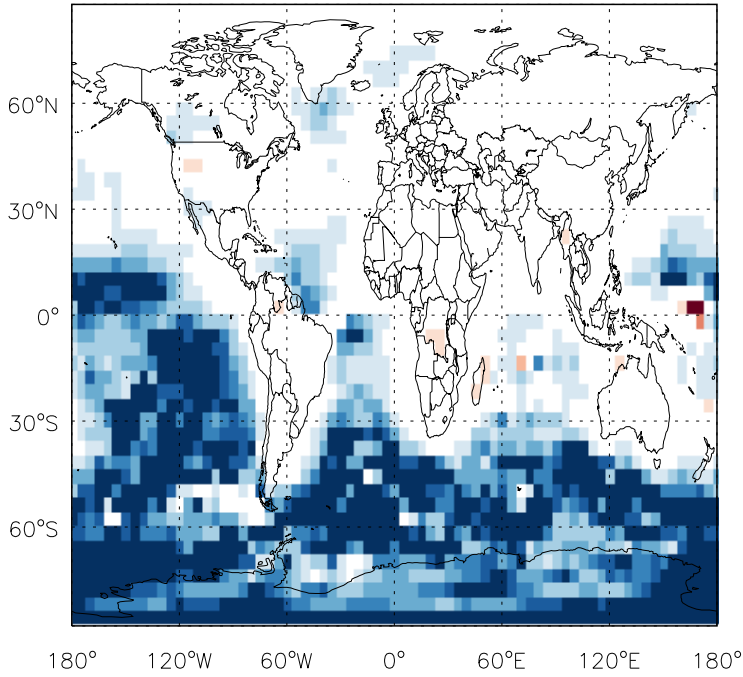
v11-01d-Run1 / v10-01-public-Run0

ISOP/ Ratio @ 500 hPa for Apr

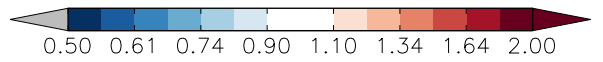
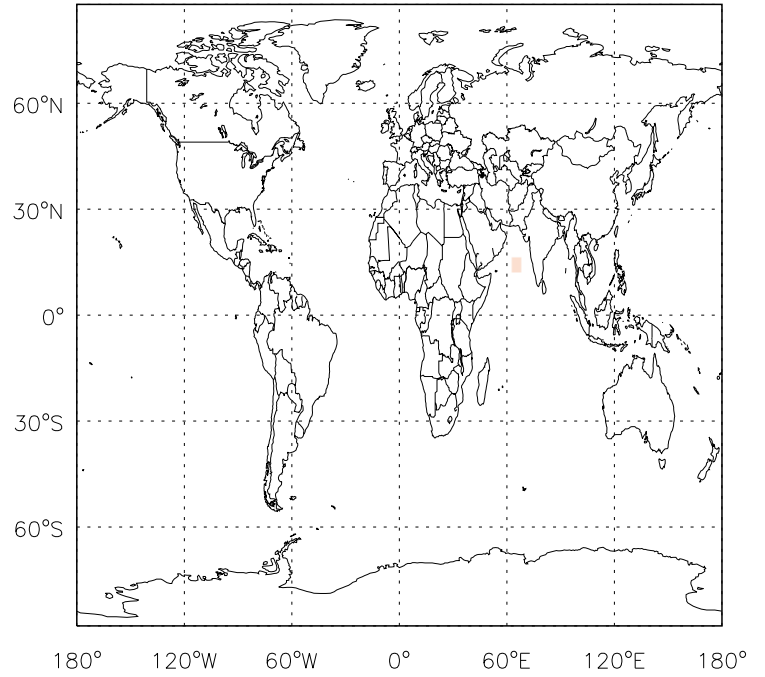


GEOS-Chem Ratio Maps at surface and 500 hPa

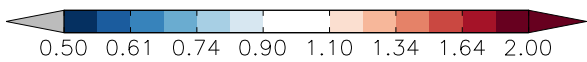
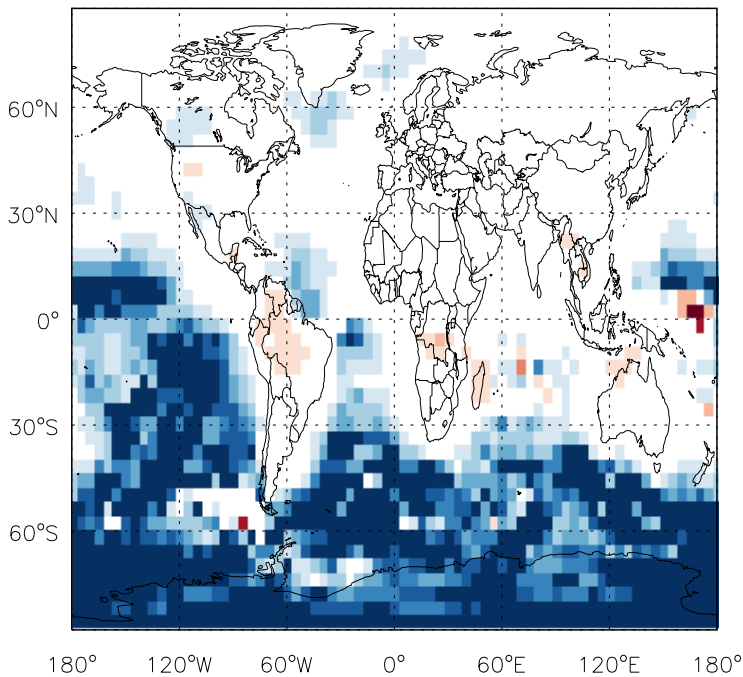
v11-01d-Run1 / v11-01b-Run0  
HN03 / Ratio @ Surface for Apr



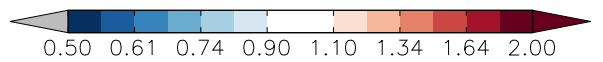
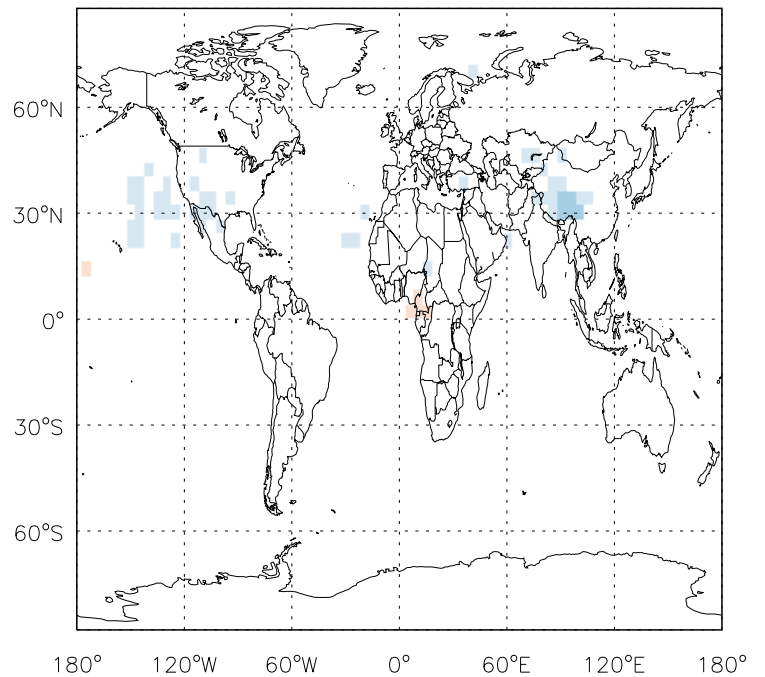
v11-01d-Run1 / v11-01b-Run0  
HN03/ Ratio @ 500 hPa for Apr



v11-01d-Run1 / v10-01-public-Run0  
HN03 / Ratio @ Surface for Apr

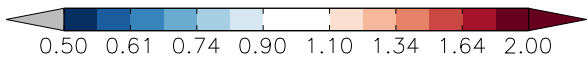
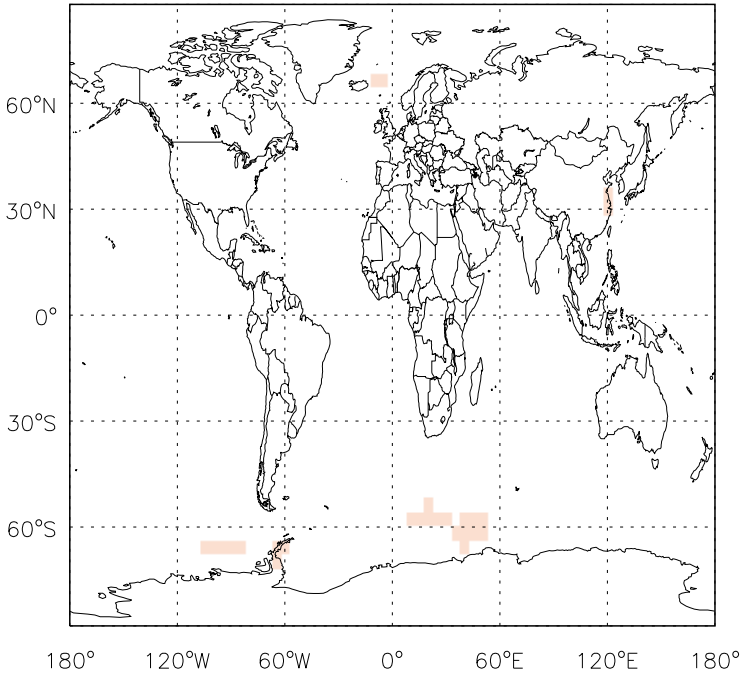


v11-01d-Run1 / v10-01-public-Run0  
HN03/ Ratio @ 500 hPa for Apr

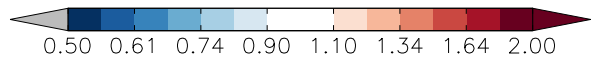
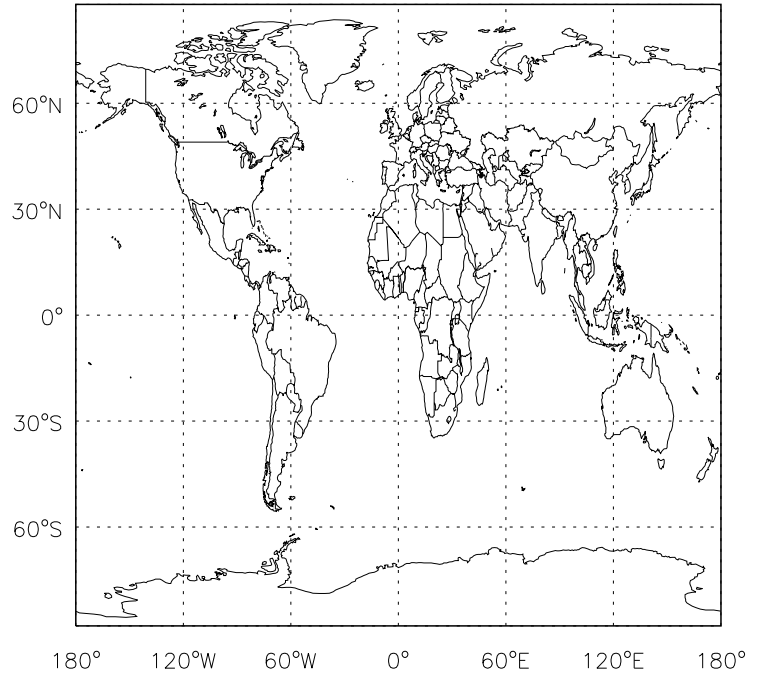


# GEOS-Chem Ratio Maps at surface and 500 hPa

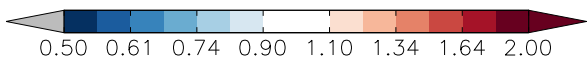
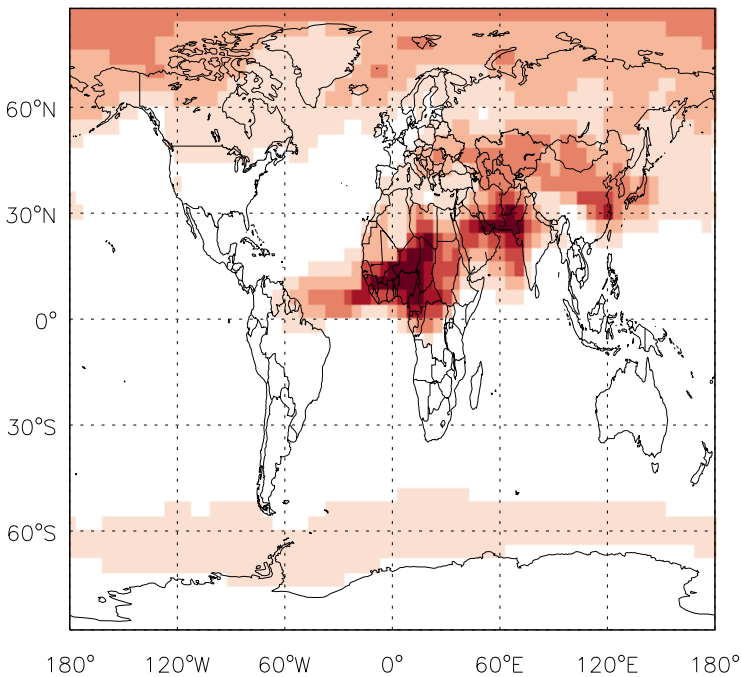
v11-01d-Run1 / v11-01b-Run0  
H2O2 / Ratio @ Surface for Apr



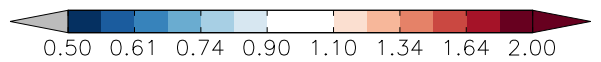
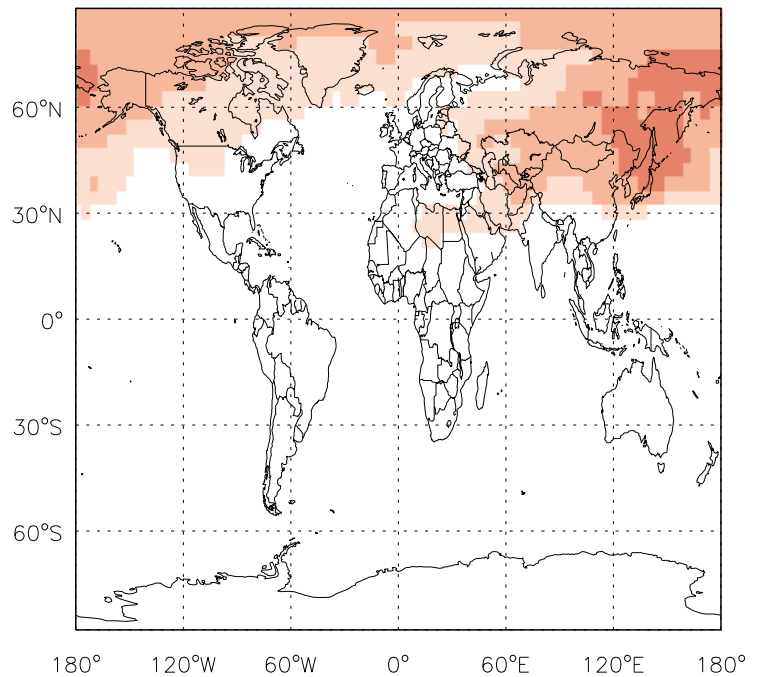
v11-01d-Run1 / v11-01b-Run0  
H2O2 / Ratio @ 500 hPa for Apr



v11-01d-Run1 / v10-01-public-Run0  
H2O2 / Ratio @ Surface for Apr



v11-01d-Run1 / v10-01-public-Run0  
H2O2 / Ratio @ 500 hPa for Apr

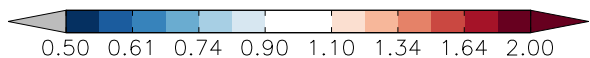
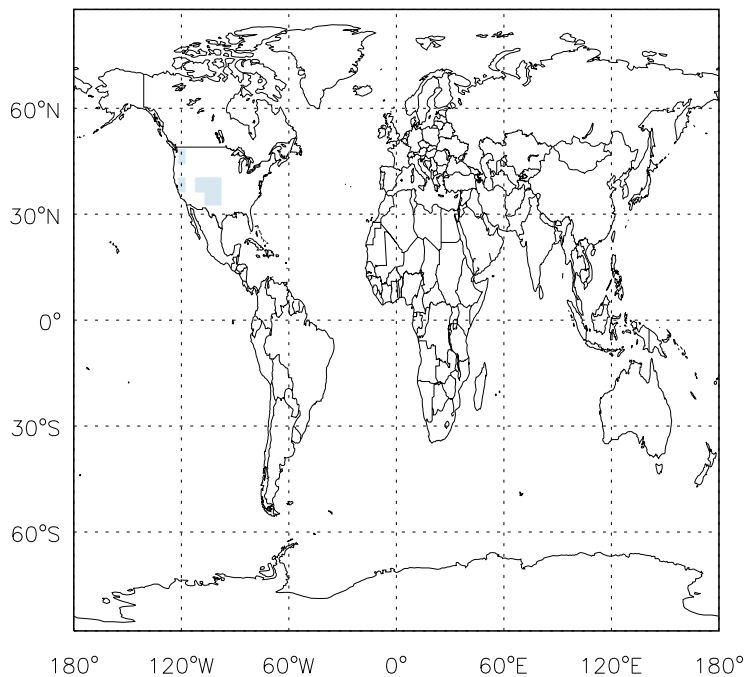




# GEOS-Chem Ratio Maps at surface and 500 hPa

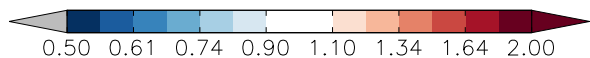
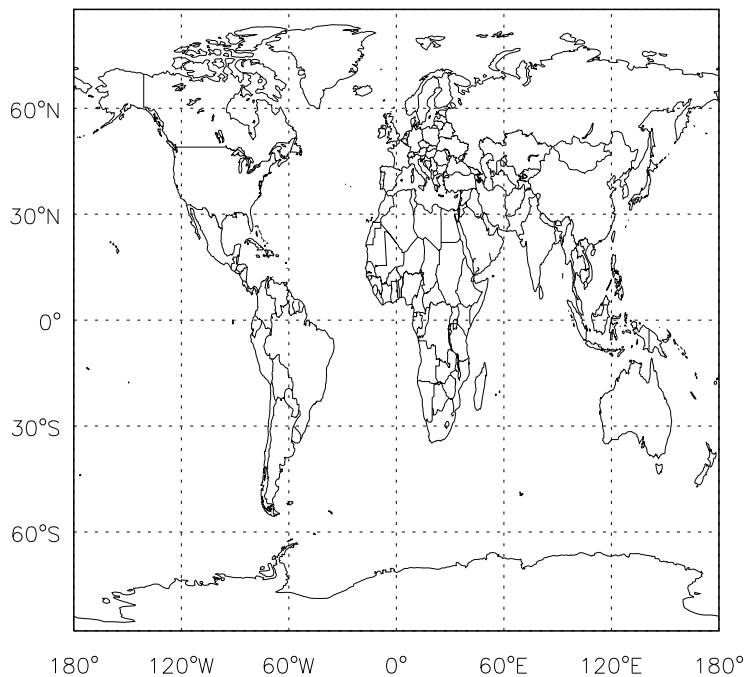
v11-01d-Run1 / v11-01b-Run0

ACET / Ratio @ Surface for Apr



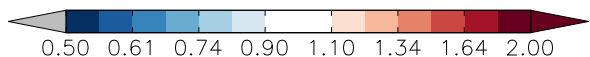
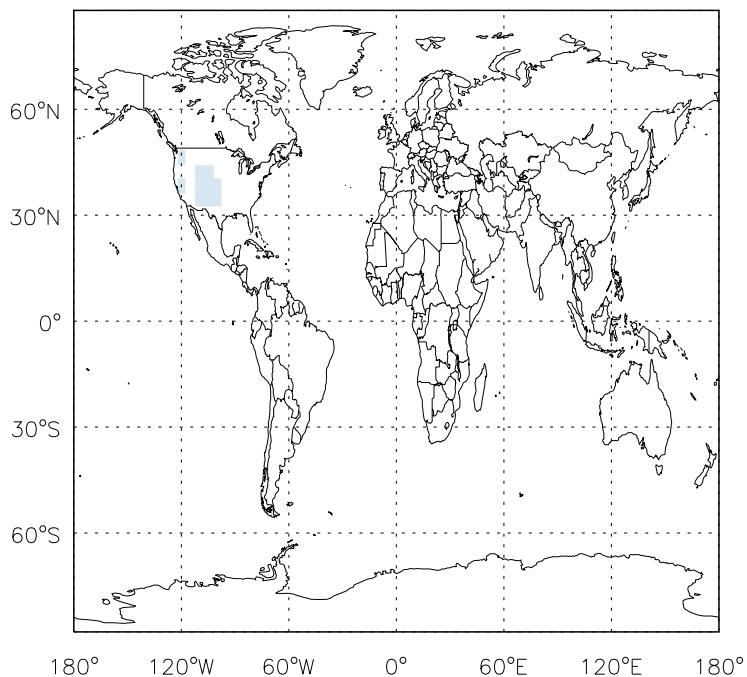
v11-01d-Run1 / v11-01b-Run0

ACET/ Ratio @ 500 hPa for Apr



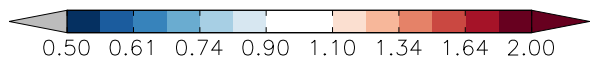
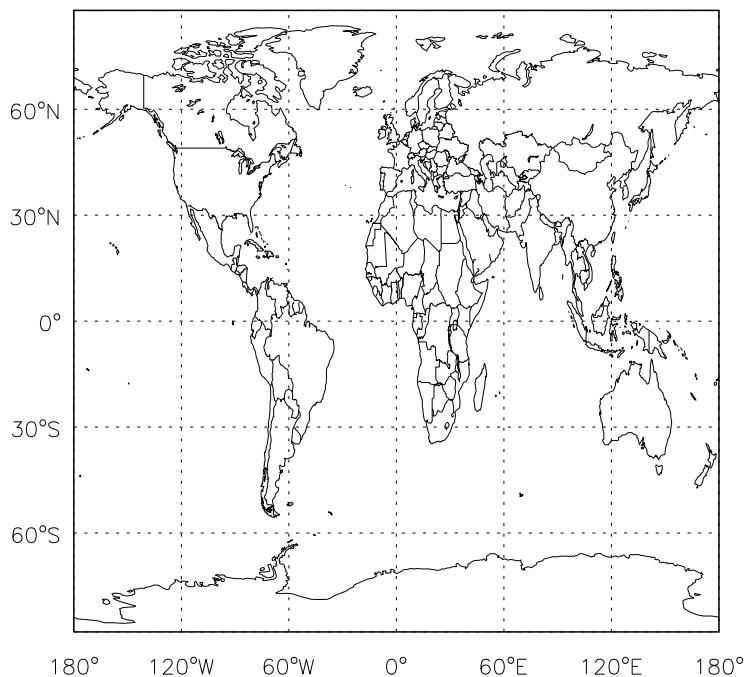
v11-01d-Run1 / v10-01-public-Run0

ACET / Ratio @ Surface for Apr



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

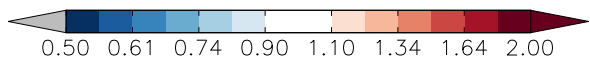
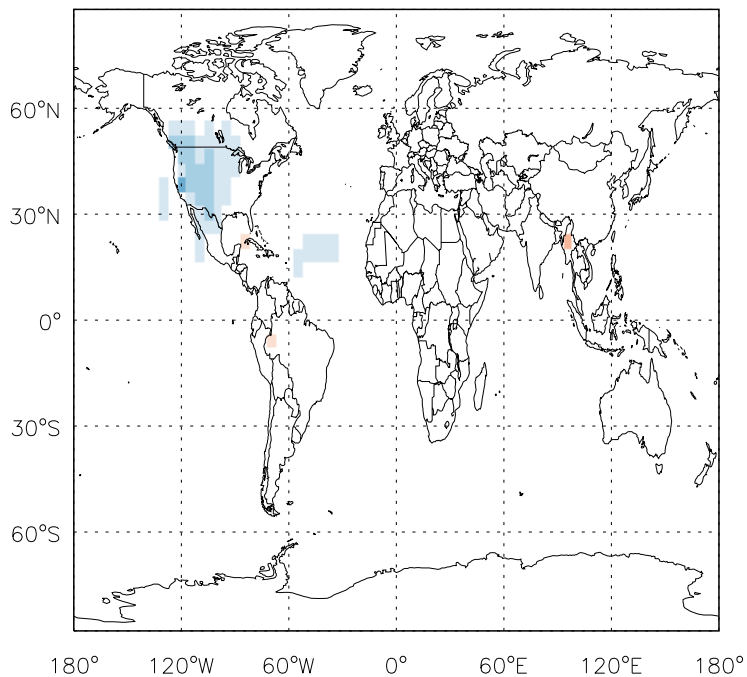
ACET/ Ratio @ 500 hPa for Apr



GEOS-Chem Ratio Maps at surface and 500 hPa

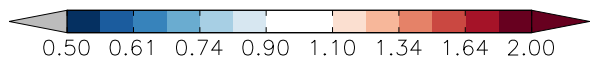
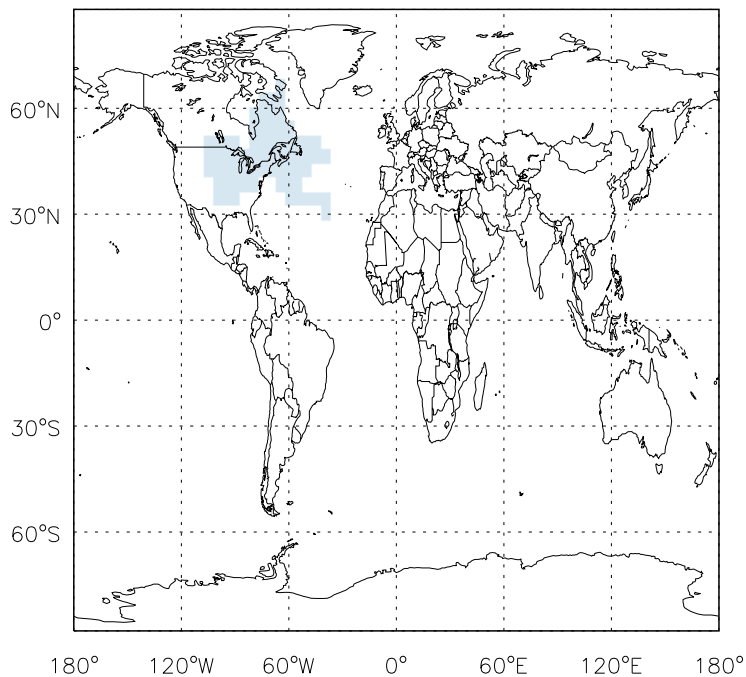
v11-01d-Run1 / v11-01b-Run0

MEK / Ratio @ Surface for Apr



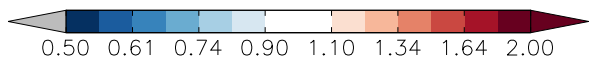
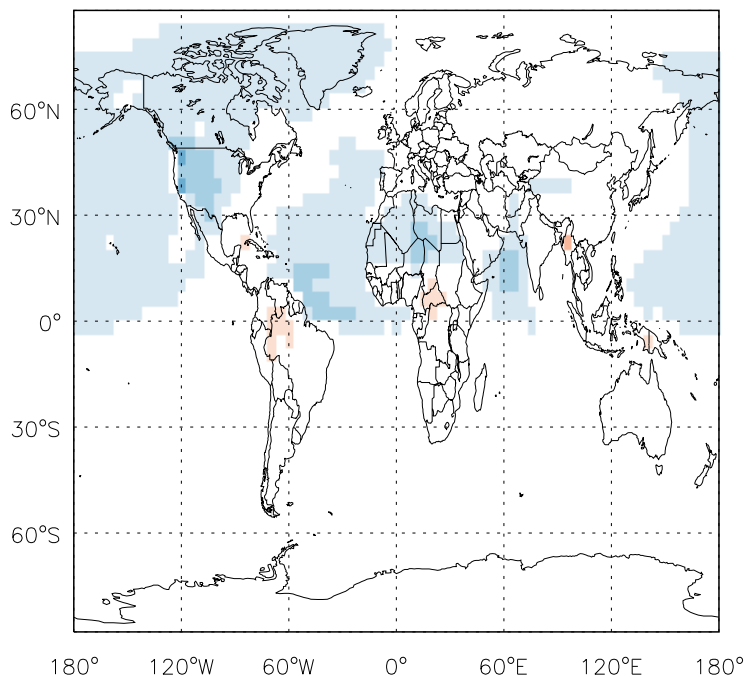
v11-01d-Run1 / v11-01b-Run0

MEK/ Ratio @ 500 hPa for Apr



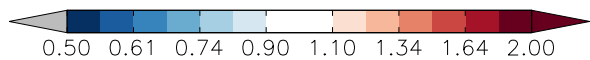
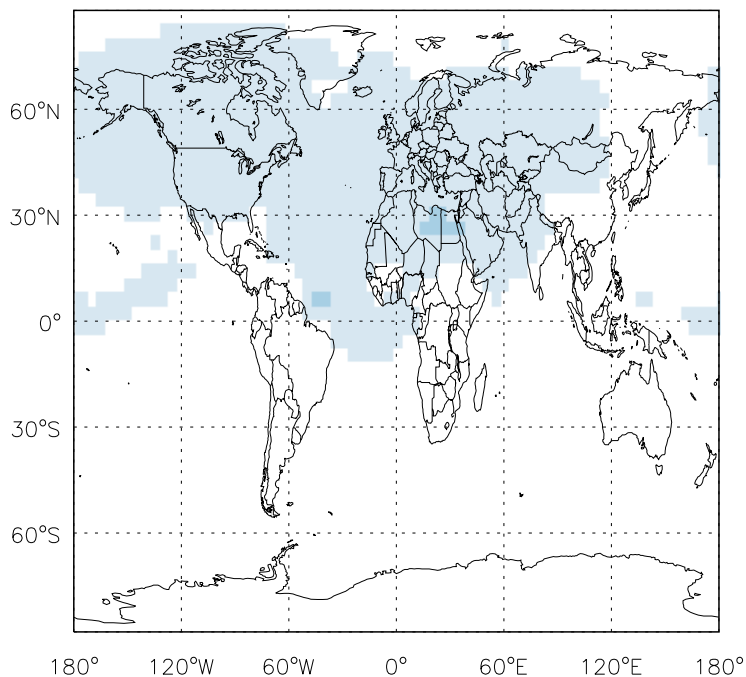
v11-01d-Run1 / v10-01-public-Run0

MEK / Ratio @ Surface for Apr



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

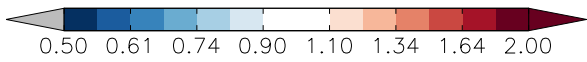
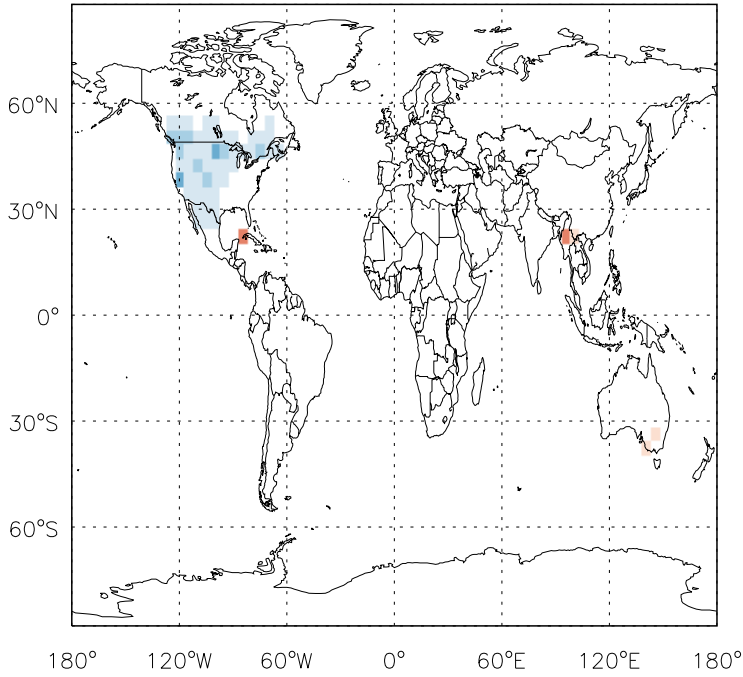
MEK/ Ratio @ 500 hPa for Apr



GEOS-Chem Ratio Maps at surface and 500 hPa

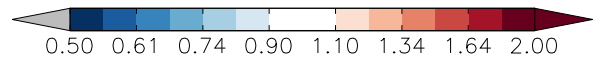
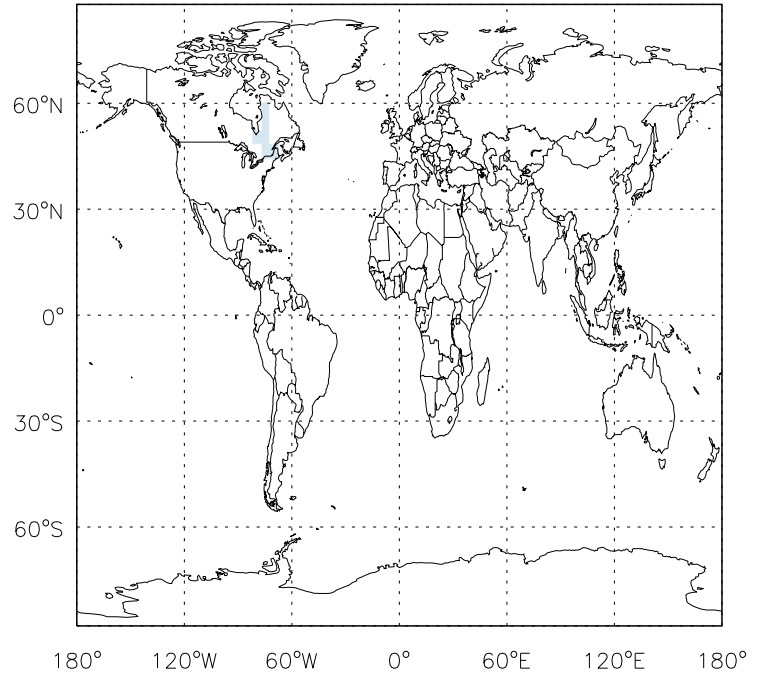
v11-01d-Run1 / v11-01b-Run0

ALD2 / Ratio @ Surface for Apr



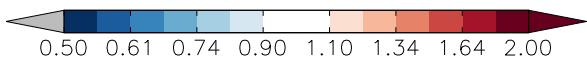
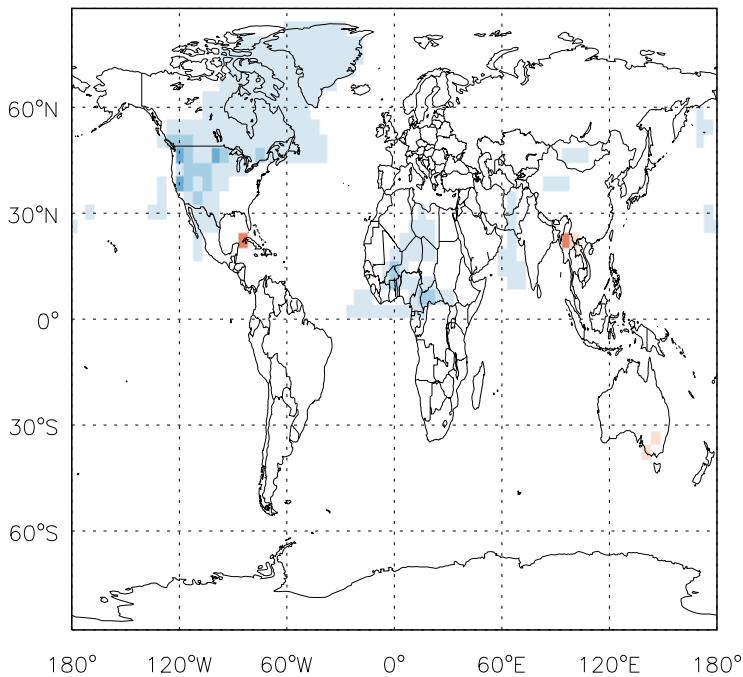
v11-01d-Run1 / v11-01b-Run0

ALD2/ Ratio @ 500 hPa for Apr



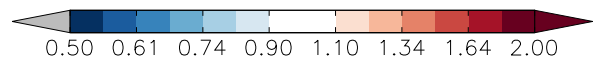
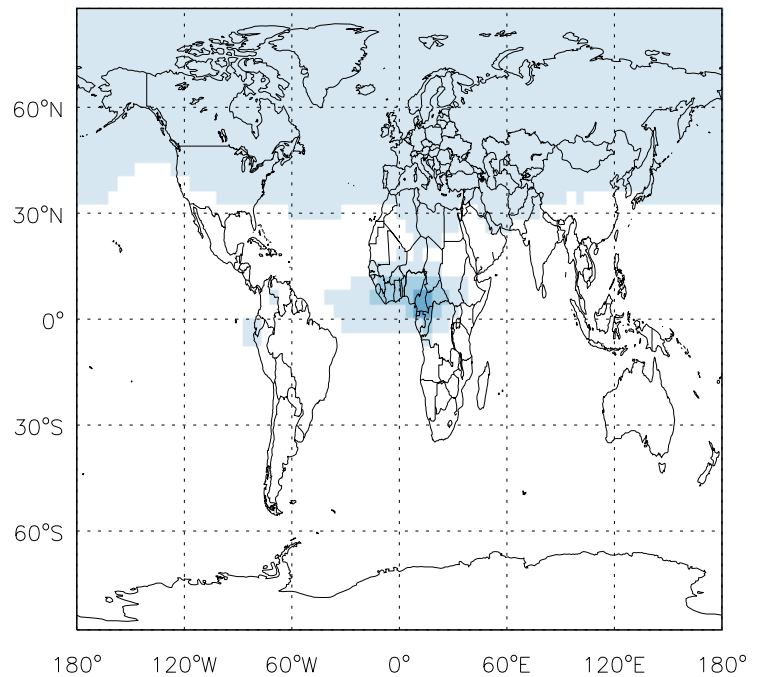
v11-01d-Run1 / v10-01-public-Run0

ALD2 / Ratio @ Surface for Apr



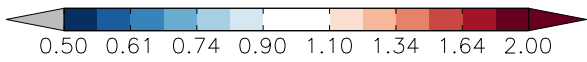
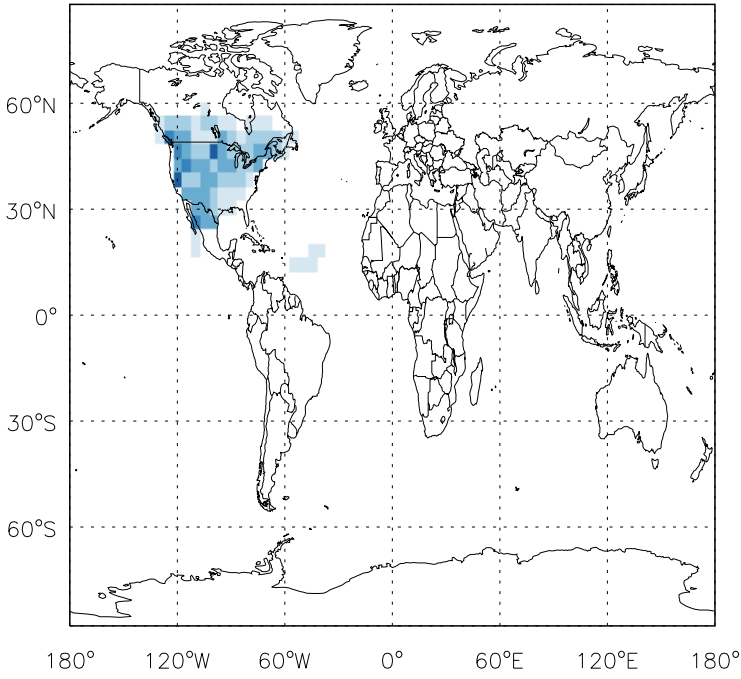
v11-01d-Run1 / v10-01-public-Run0

ALD2/ Ratio @ 500 hPa for Apr

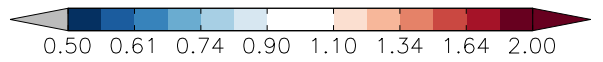
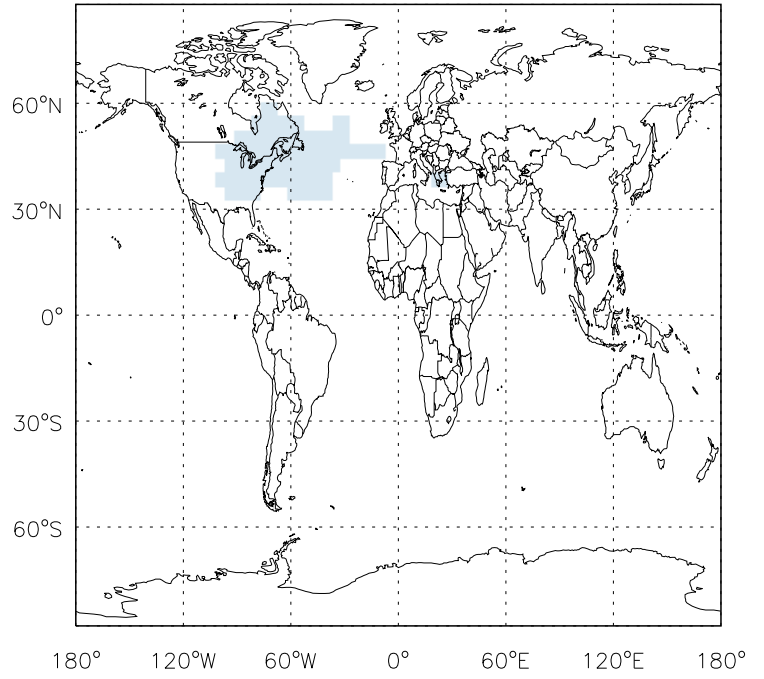


GEOS-Chem Ratio Maps at surface and 500 hPa

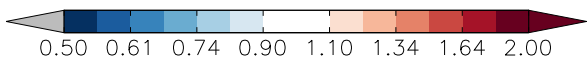
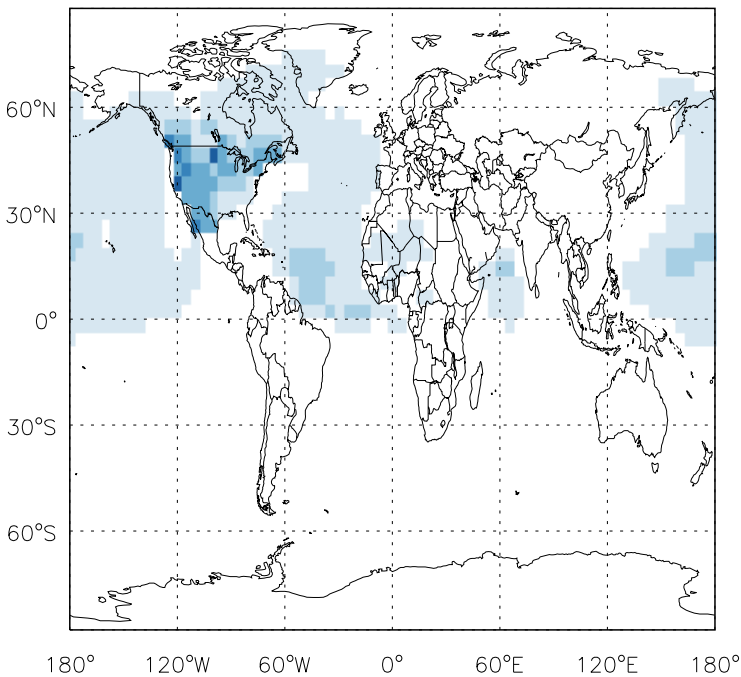
v11-01d-Run1 / v11-01b-Run0  
RCHO / Ratio @ Surface for Apr



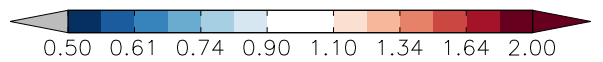
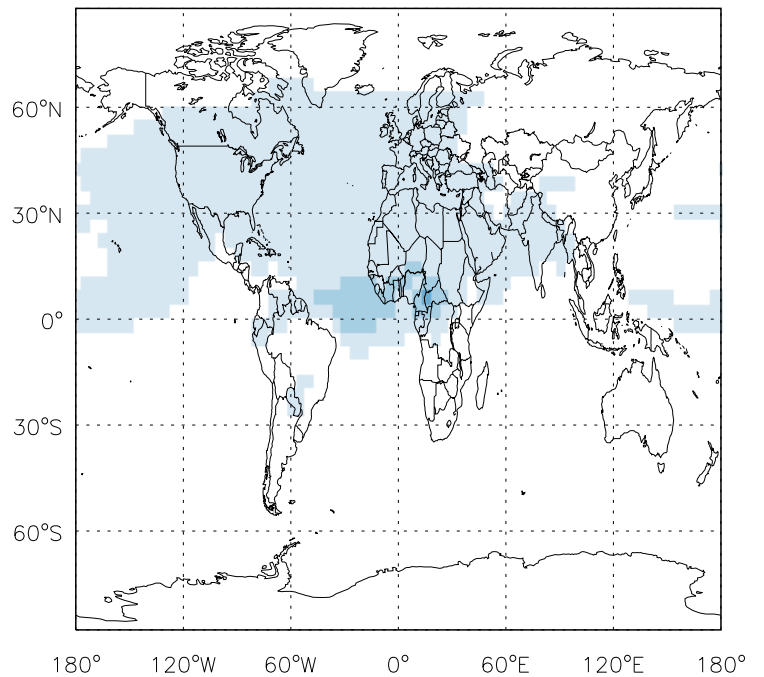
v11-01d-Run1 / v11-01b-Run0  
RCHO/ Ratio @ 500 hPa for Apr



v11-01d-Run1 / v10-01-public-Run0  
RCHO / Ratio @ Surface for Apr



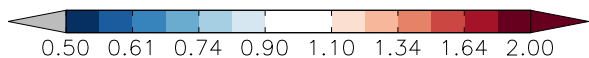
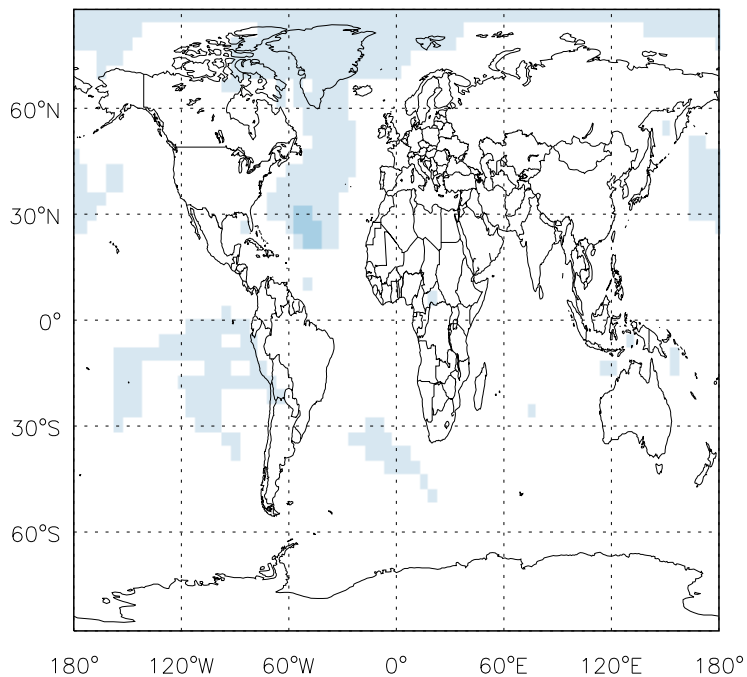
v11-01d-Run1 / v10-01-public-Run0  
RCHO/ Ratio @ 500 hPa for Apr



# GEOS-Chem Ratio Maps at surface and 500 hPa

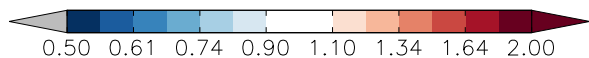
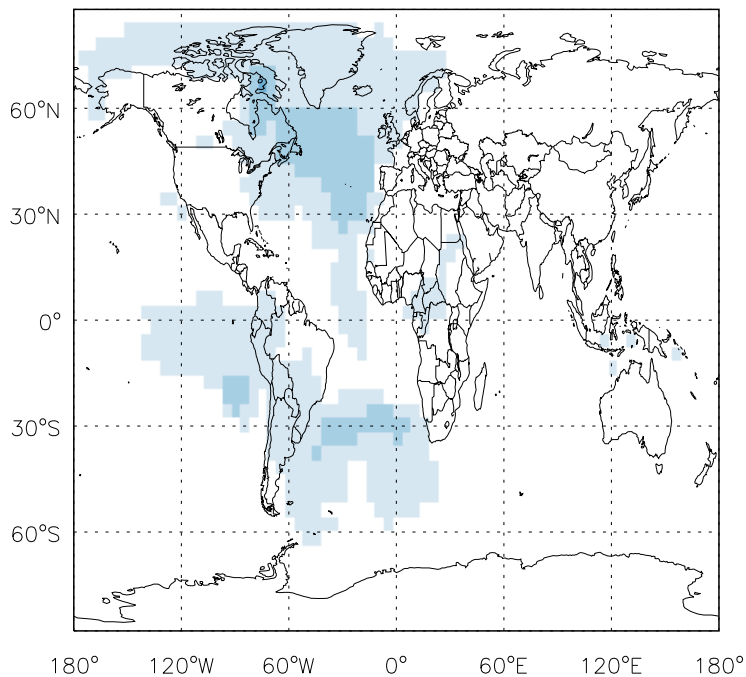
v11-01d-Run1 / v11-01b-Run0

MVK / Ratio @ Surface for Apr



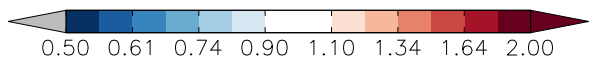
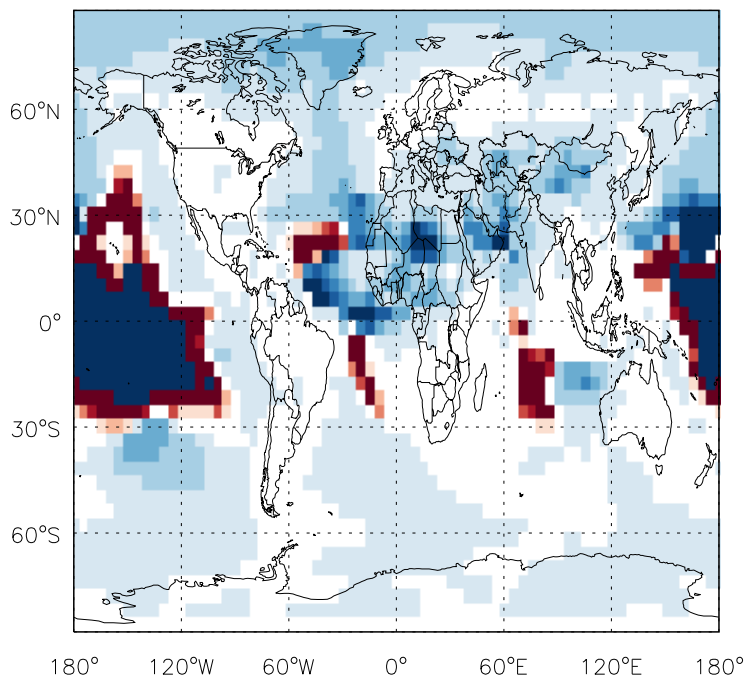
v11-01d-Run1 / v11-01b-Run0

MVK/ Ratio @ 500 hPa for Apr



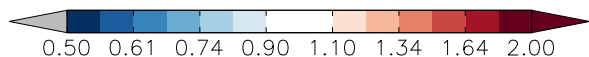
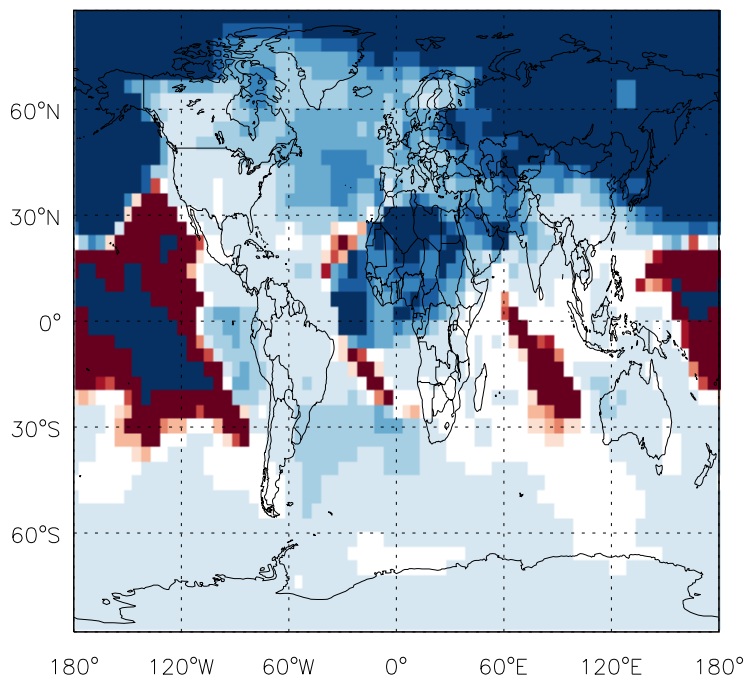
v11-01d-Run1 / v10-01-public-Run0

MVK / Ratio @ Surface for Apr



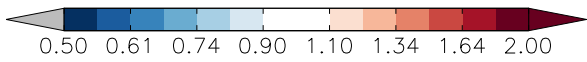
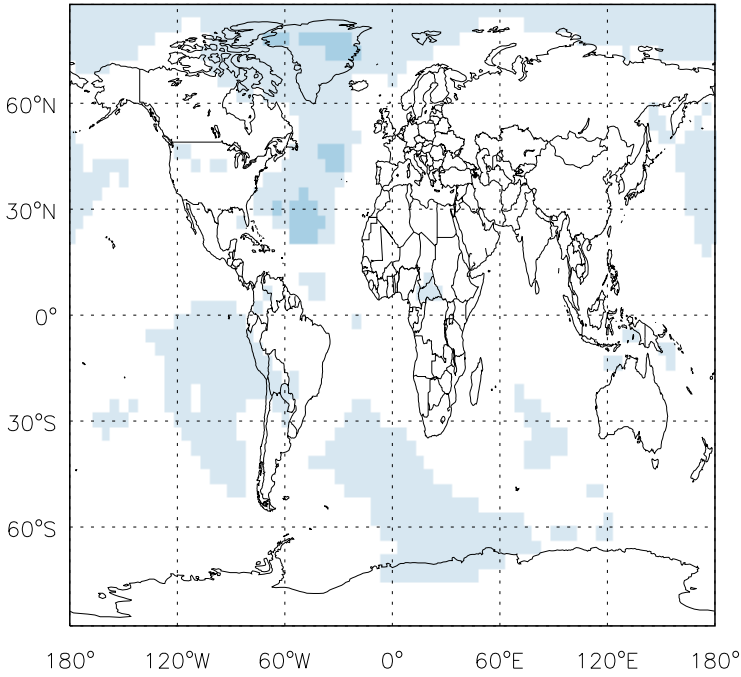
v11-01d-Run1 / v10-01-public-Run0

MVK/ Ratio @ 500 hPa for Apr

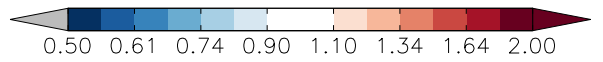
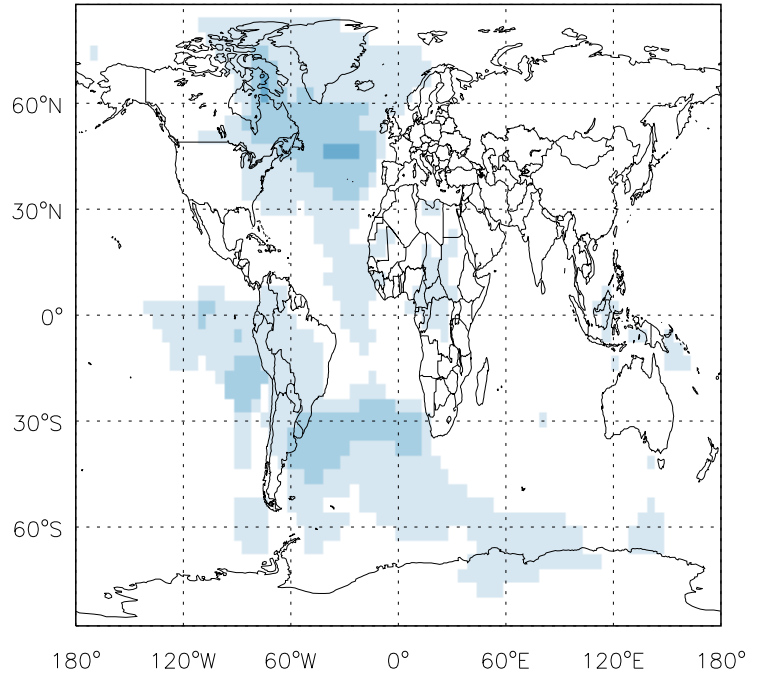


GEOS-Chem Ratio Maps at surface and 500 hPa

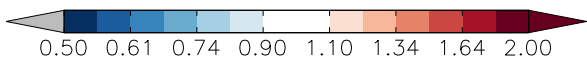
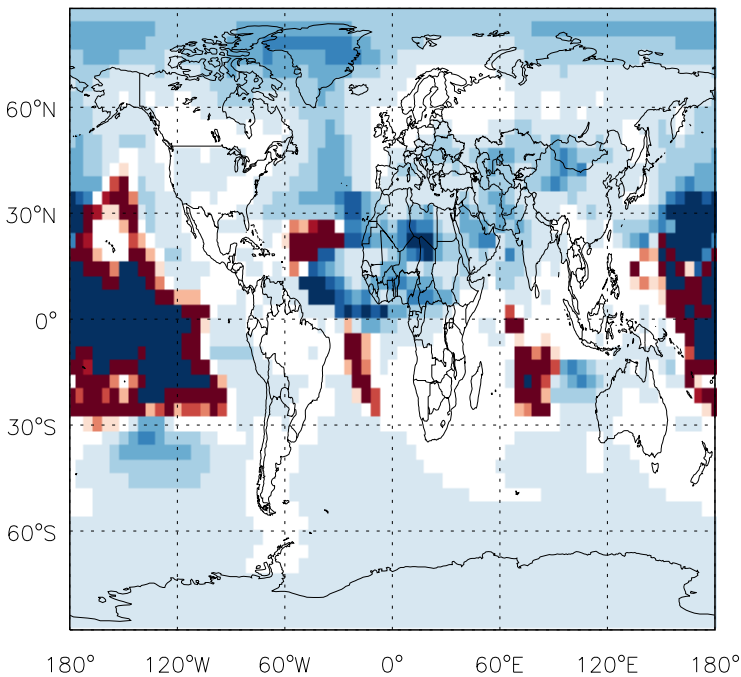
v11-01d-Run1 / v11-01b-Run0  
MACR / Ratio @ Surface for Apr



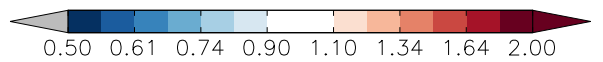
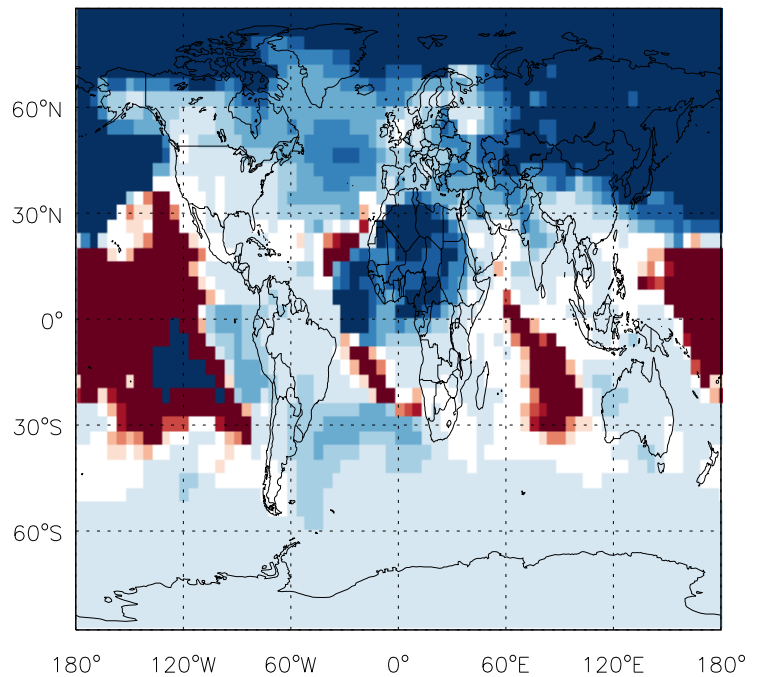
v11-01d-Run1 / v11-01b-Run0  
MACR/ Ratio @ 500 hPa for Apr



v11-01d-Run1 / v10-01-public-Run0  
MACR / Ratio @ Surface for Apr



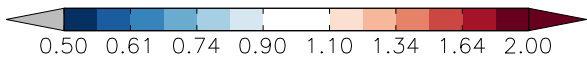
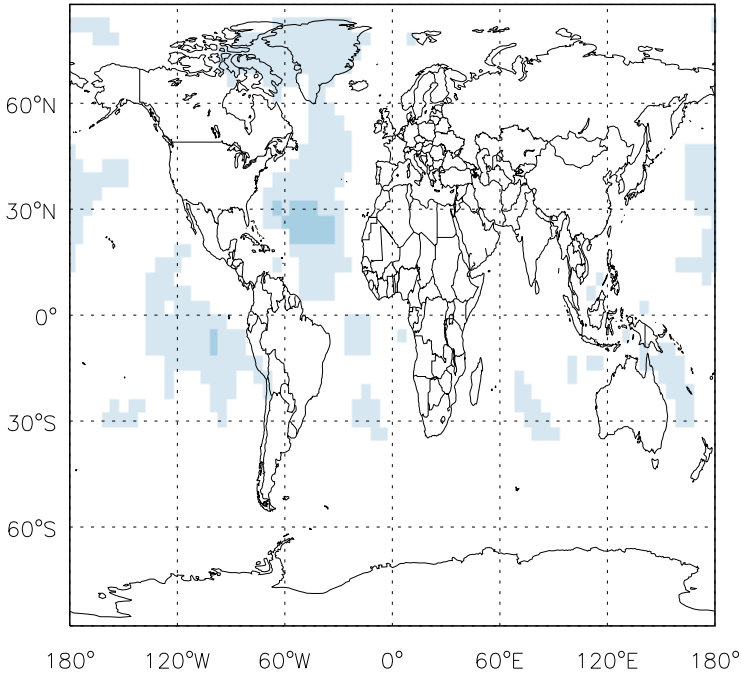
v11-01d-Run1 / v10-01-public-Run0  
MACR/ Ratio @ 500 hPa for Apr



# GEOS-Chem Ratio Maps at surface and 500 hPa

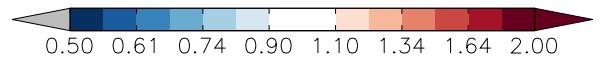
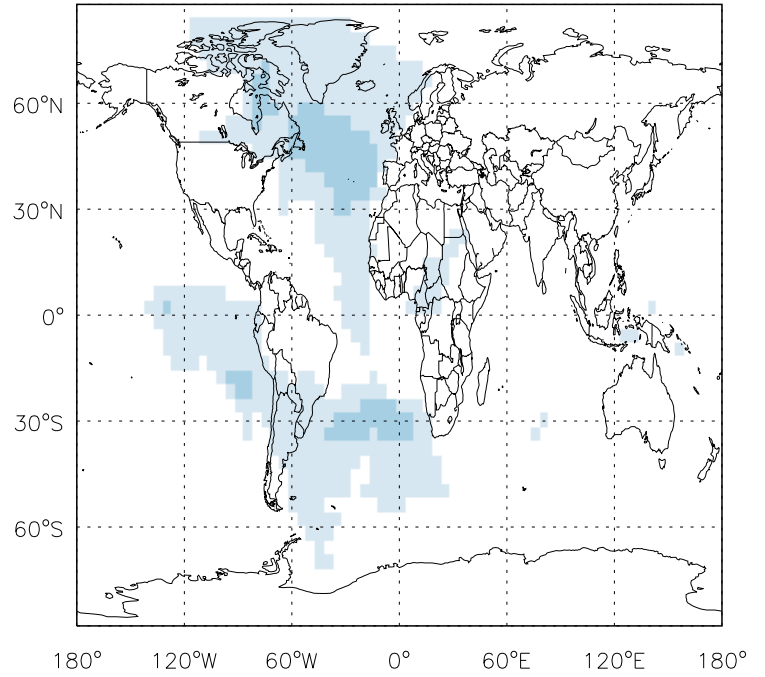
v11-01d-Run1 / v11-01b-Run0

PMN / Ratio @ Surface for Apr



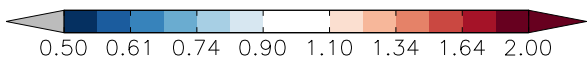
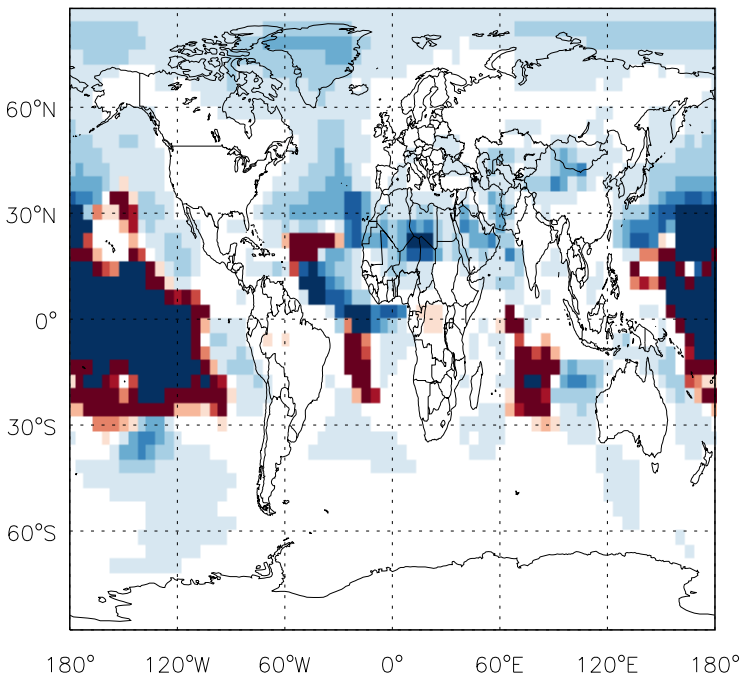
v11-01d-Run1 / v11-01b-Run0

PMN/ Ratio @ 500 hPa for Apr



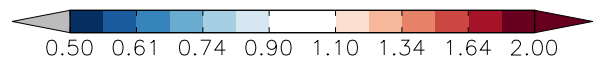
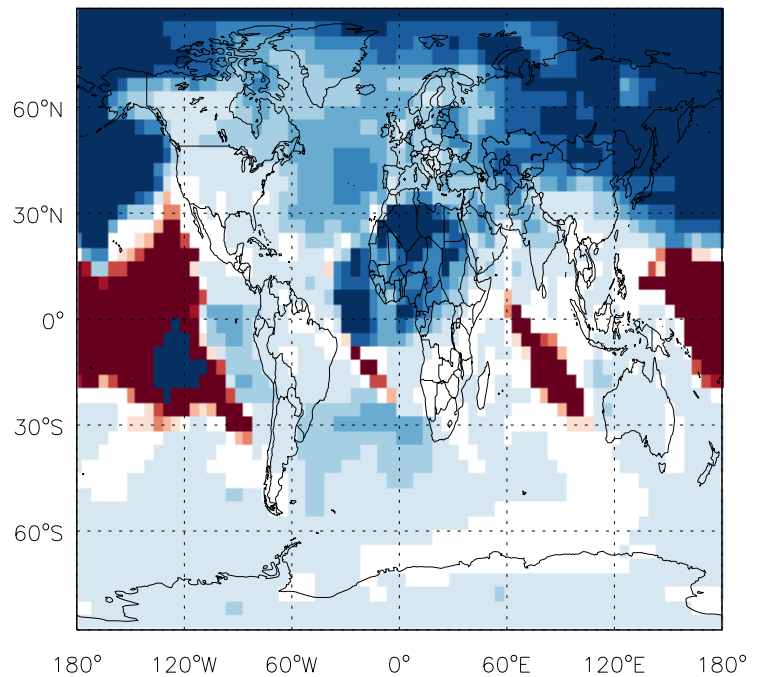
v11-01d-Run1 / v10-01-public-Run0

PMN / Ratio @ Surface for Apr



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

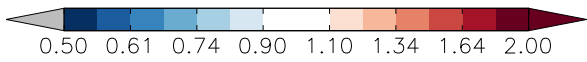
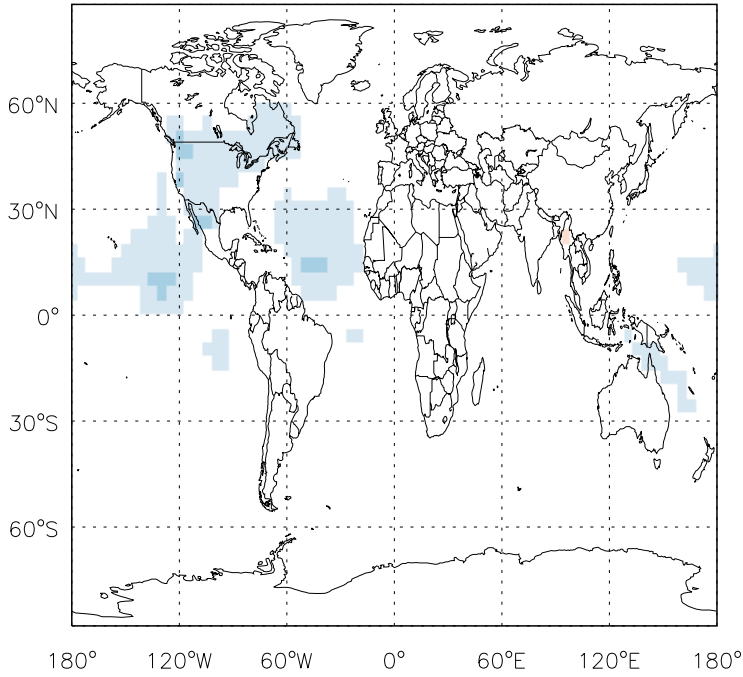
PMN/ Ratio @ 500 hPa for Apr



# GEOS-Chem Ratio Maps at surface and 500 hPa

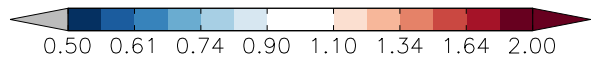
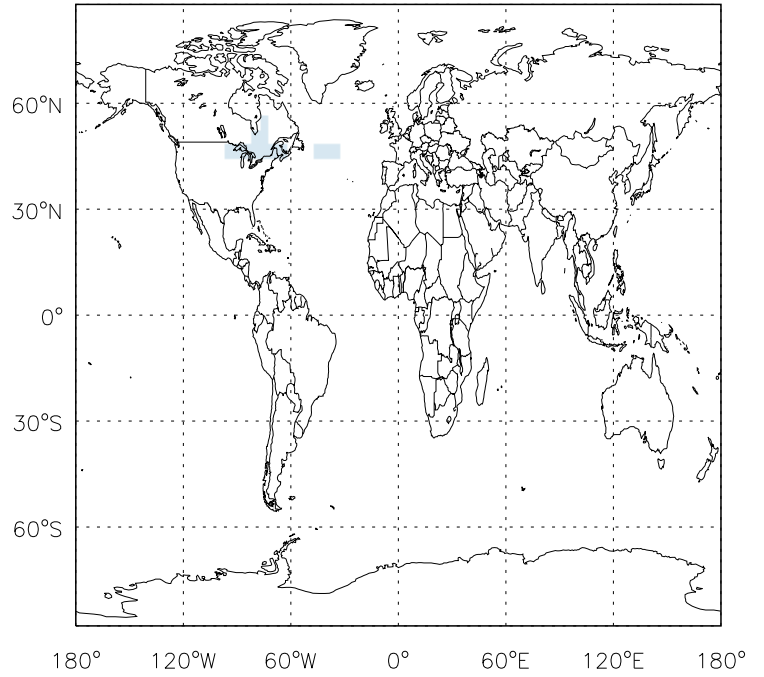
v11-01d-Run1 / v11-01b-Run0

PPN / Ratio @ Surface for Apr



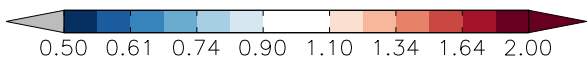
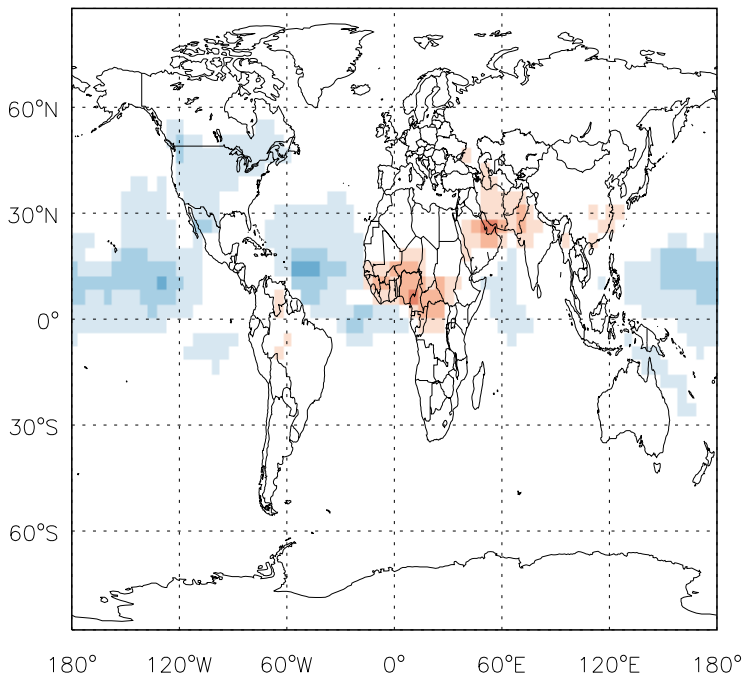
v11-01d-Run1 / v11-01b-Run0

PPN/ Ratio @ 500 hPa for Apr



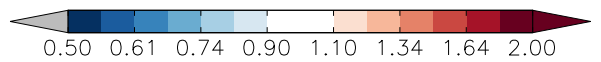
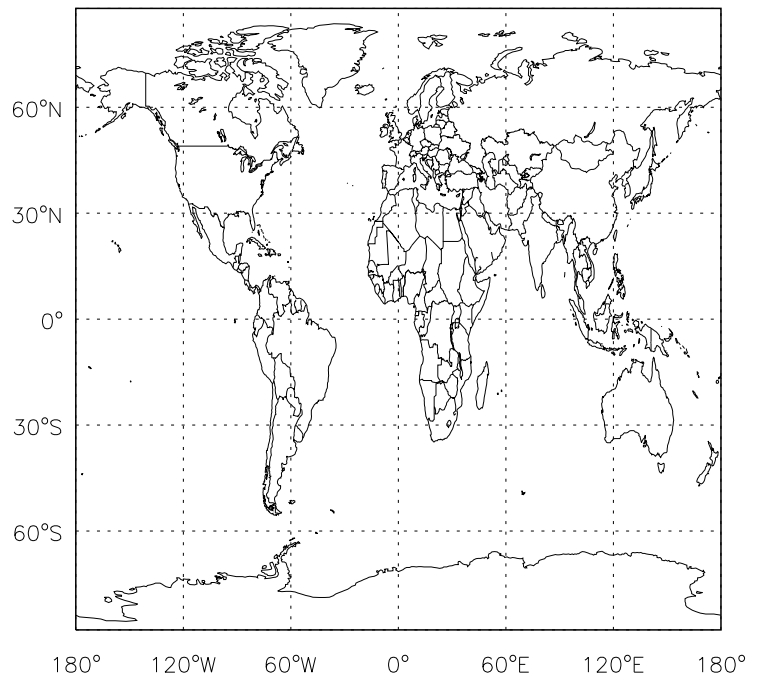
v11-01d-Run1 / v10-01-public-Run0

PPN / Ratio @ Surface for Apr



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

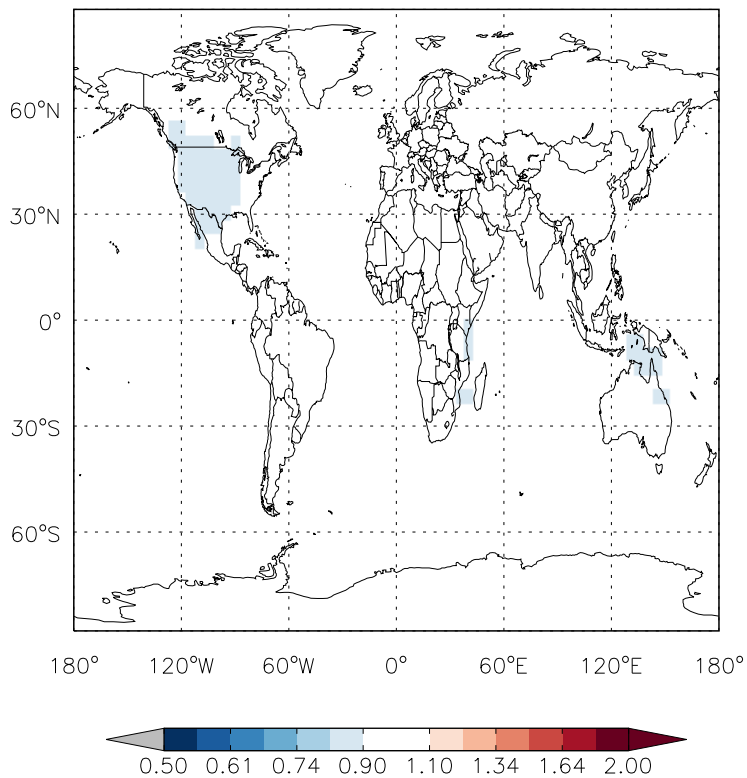
PPN/ Ratio @ 500 hPa for Apr



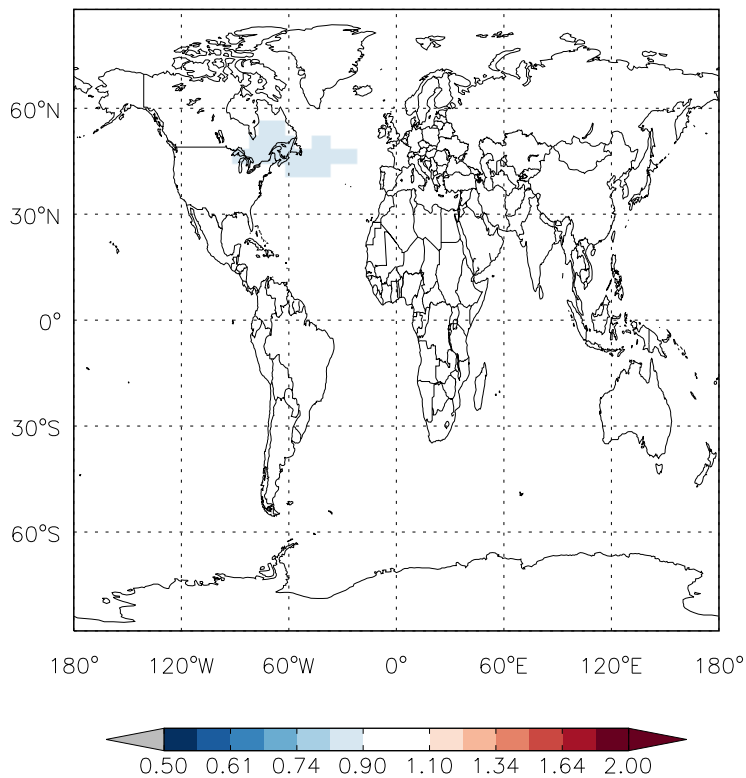


# GEOS-Chem Ratio Maps at surface and 500 hPa

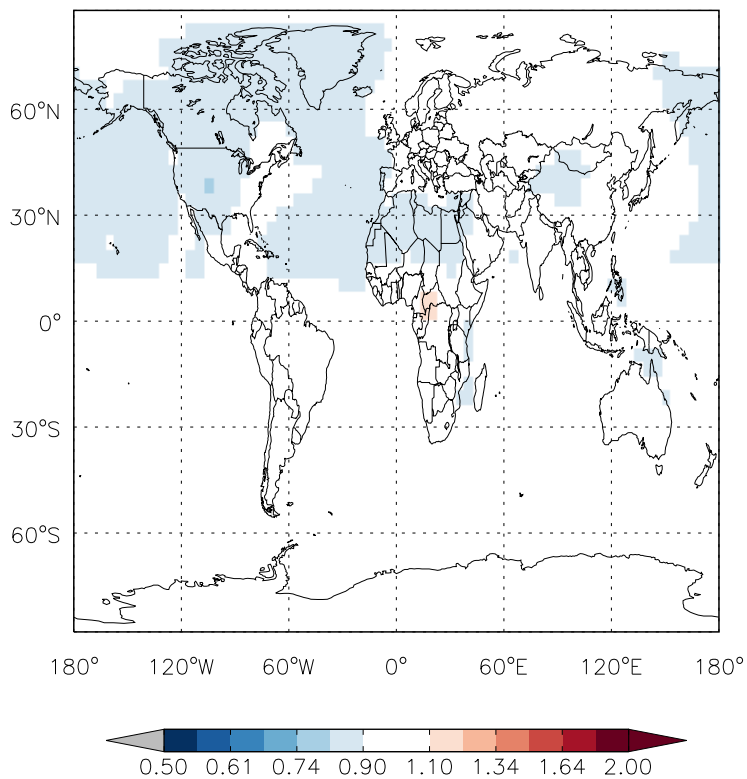
v11-01d-Run1 / v11-01b-Run0  
R4N2 / Ratio @ Surface for Apr



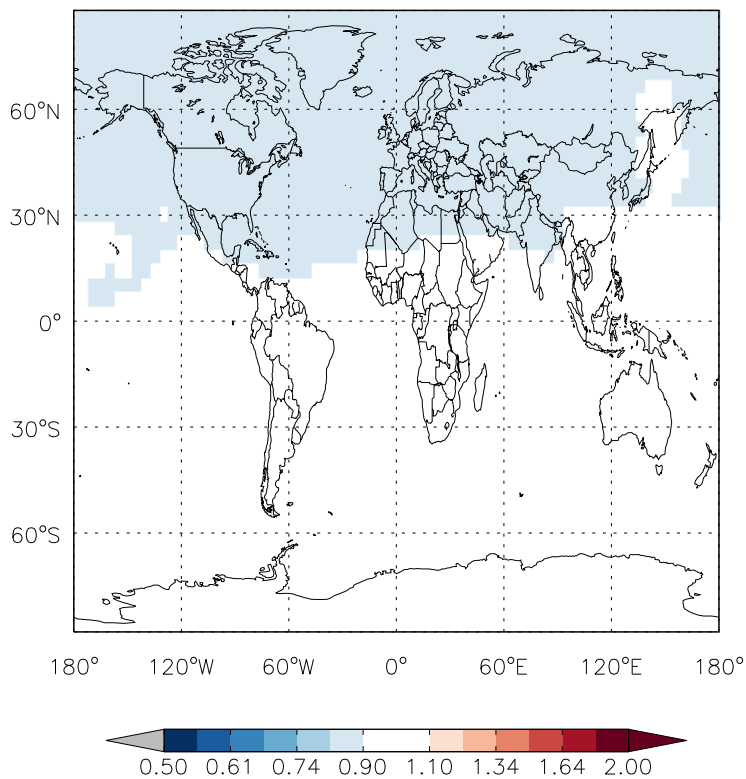
v11-01d-Run1 / v11-01b-Run0  
R4N2/ Ratio @ 500 hPa for Apr



v11-01d-Run1 / v10-01-public-Run0  
R4N2 / Ratio @ Surface for Apr



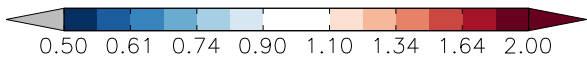
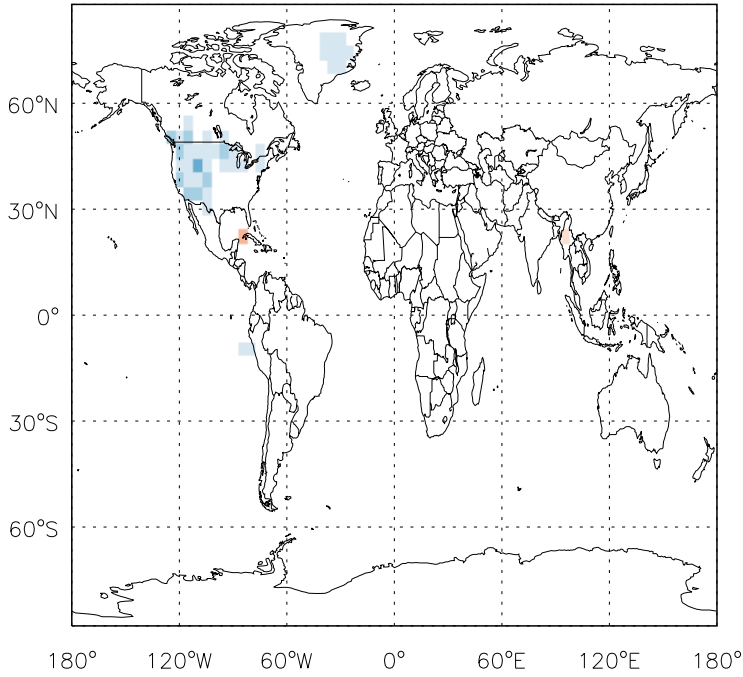
v11-01d-Run1 / v10-01-public-Run0  
R4N2/ Ratio @ 500 hPa for Apr



# GEOS-Chem Ratio Maps at surface and 500 hPa

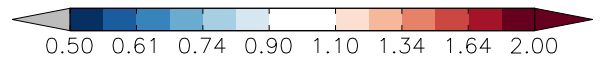
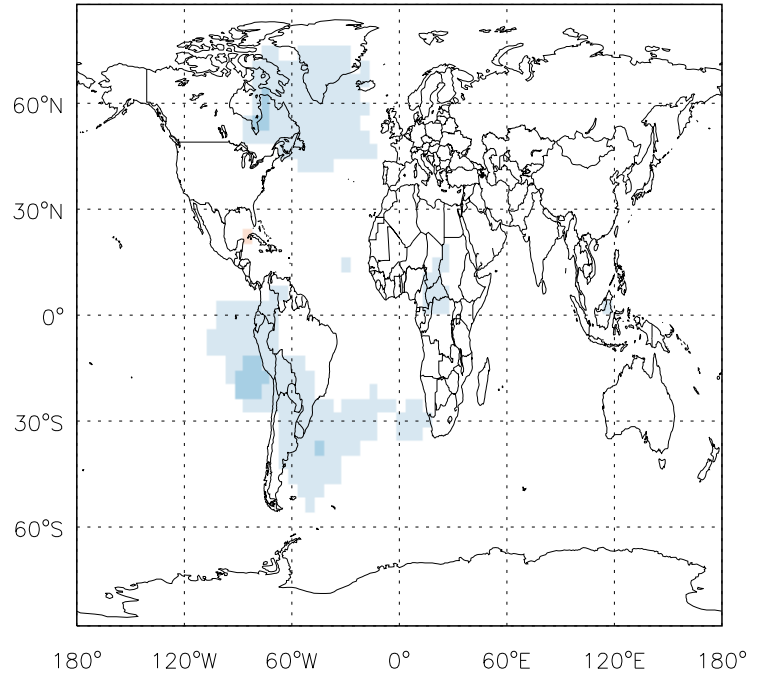
v11-01d-Run1 / v11-01b-Run0

PRPE / Ratio @ Surface for Apr



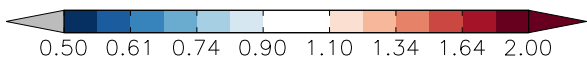
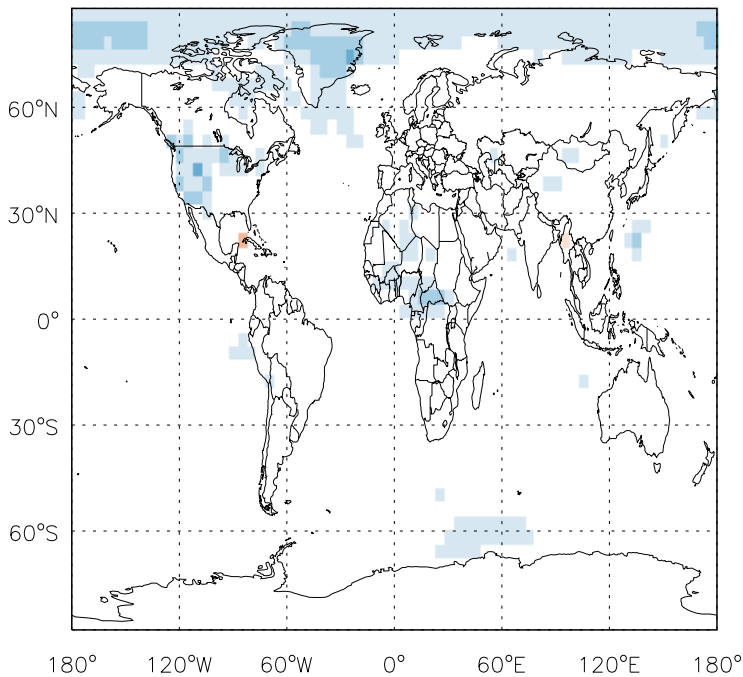
v11-01d-Run1 / v11-01b-Run0

PRPE/ Ratio @ 500 hPa for Apr



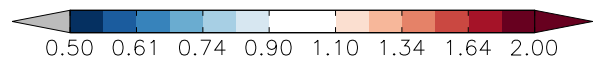
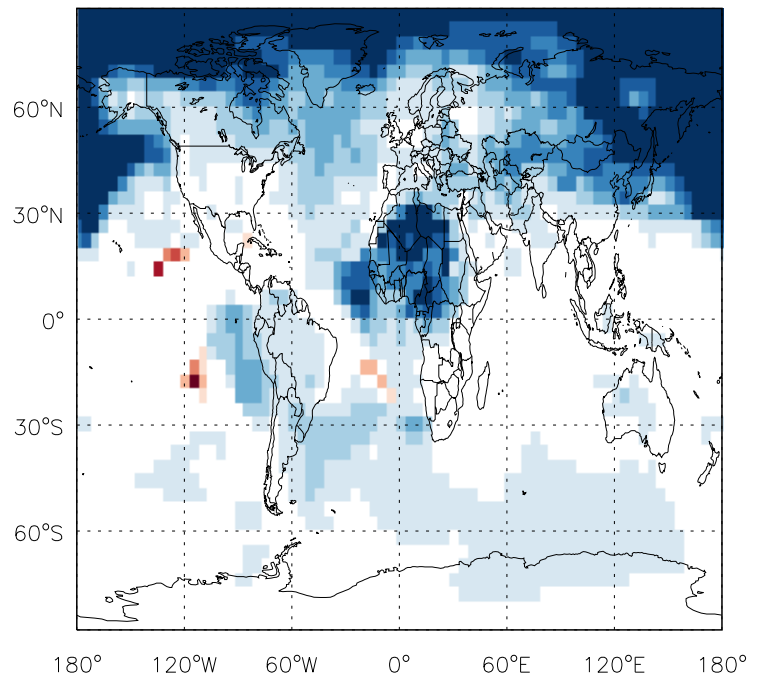
v11-01d-Run1 / v10-01-public-Run0

PRPE / Ratio @ Surface for Apr



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

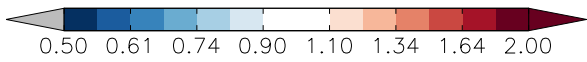
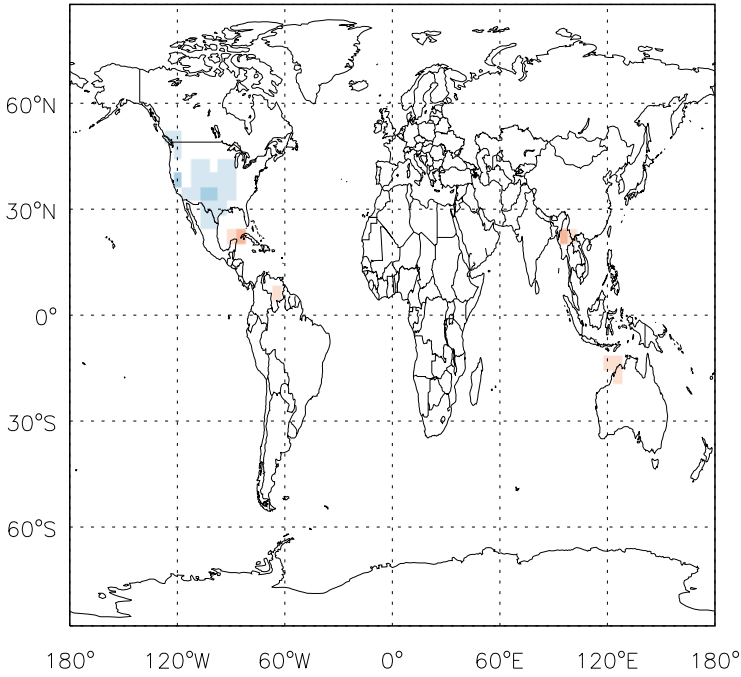
PRPE/ Ratio @ 500 hPa for Apr



GEOS-Chem Ratio Maps at surface and 500 hPa

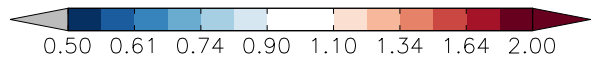
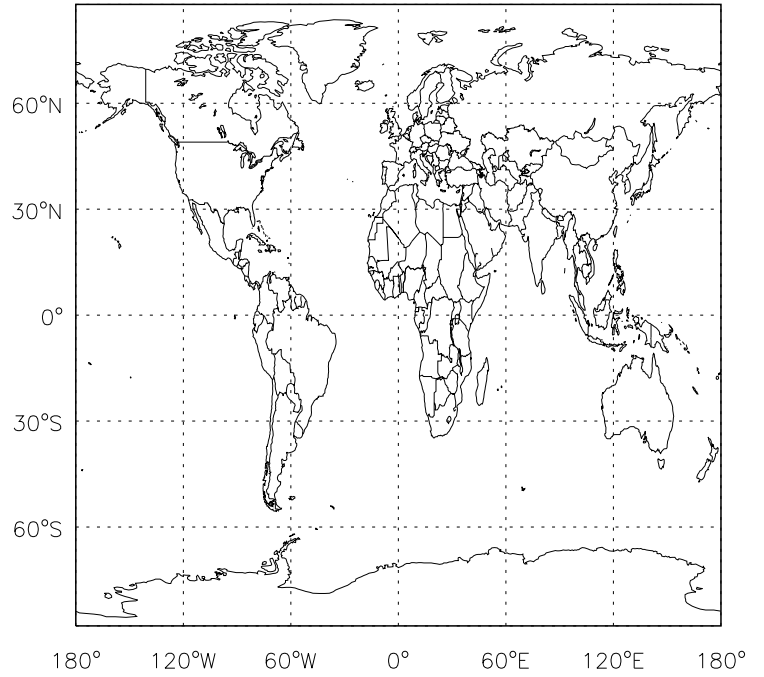
v11-01d-Run1 / v11-01b-Run0

C3H8 / Ratio @ Surface for Apr



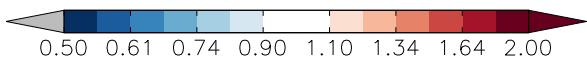
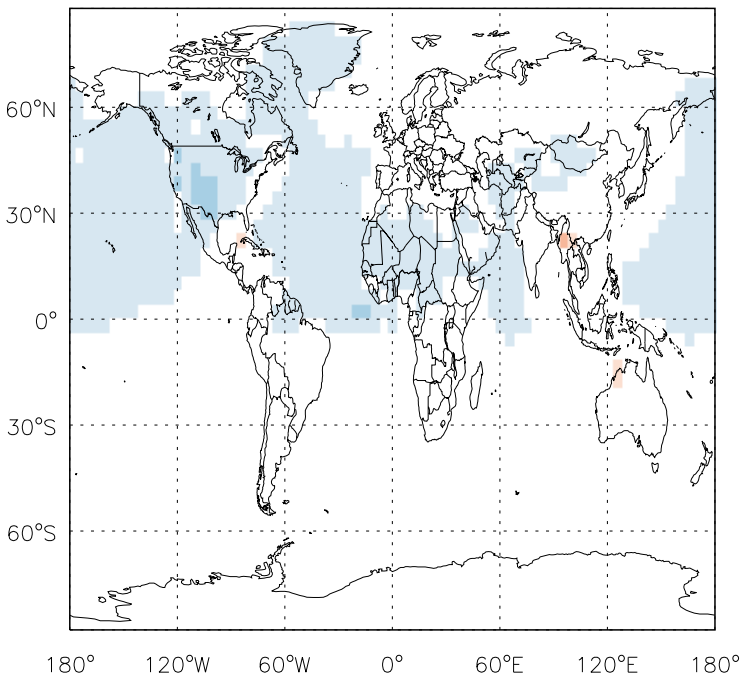
v11-01d-Run1 / v11-01b-Run0

C3H8/ Ratio @ 500 hPa for Apr



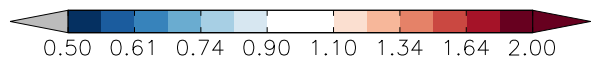
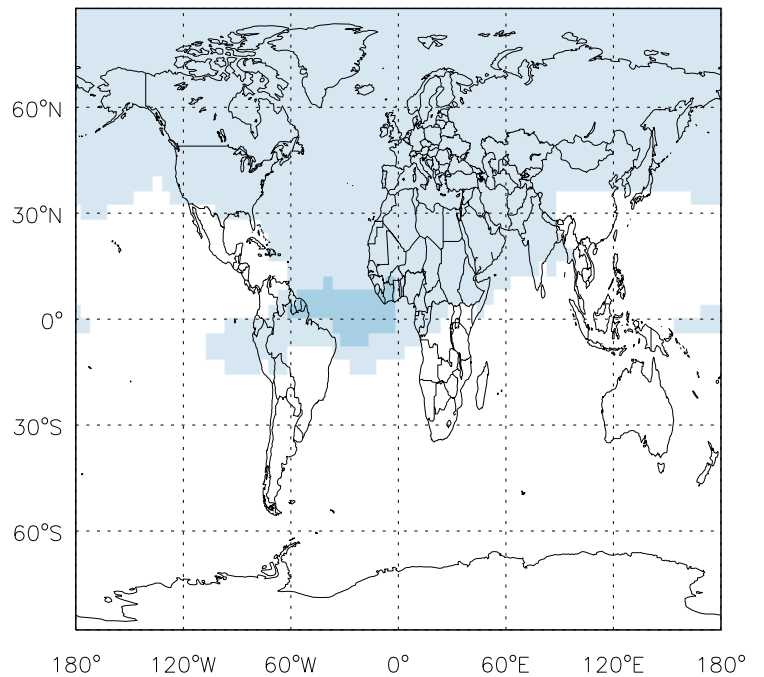
v11-01d-Run1 / v10-01-public-Run0

C3H8 / Ratio @ Surface for Apr



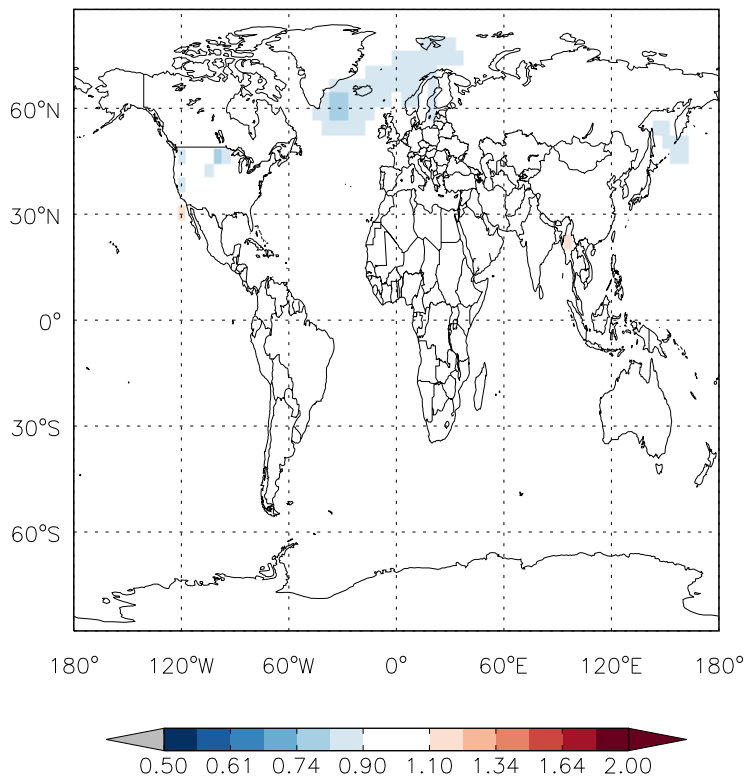
v11-01d-Run1 / v10-01-public-Run0

C3H8/ Ratio @ 500 hPa for Apr

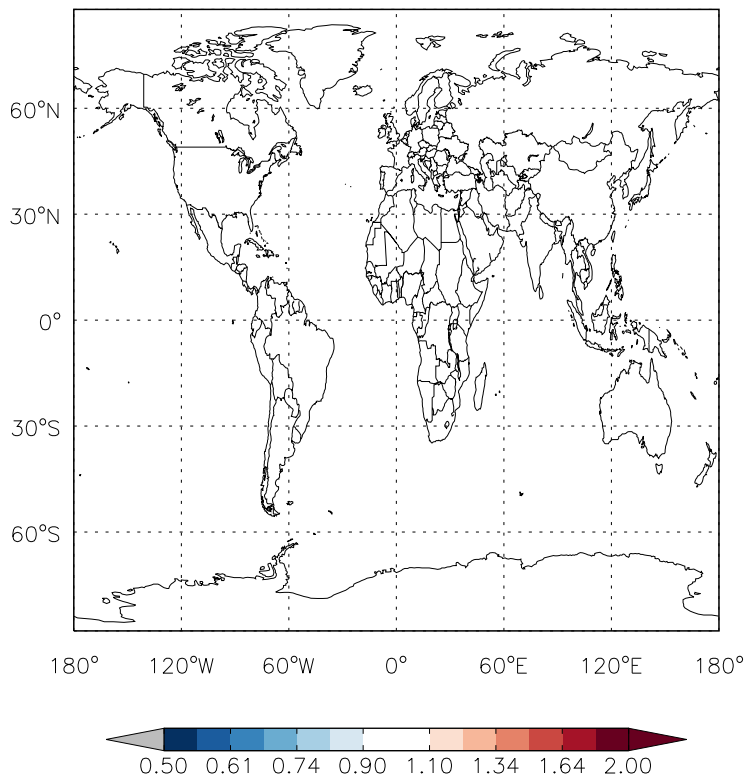


# GEOS-Chem Ratio Maps at surface and 500 hPa

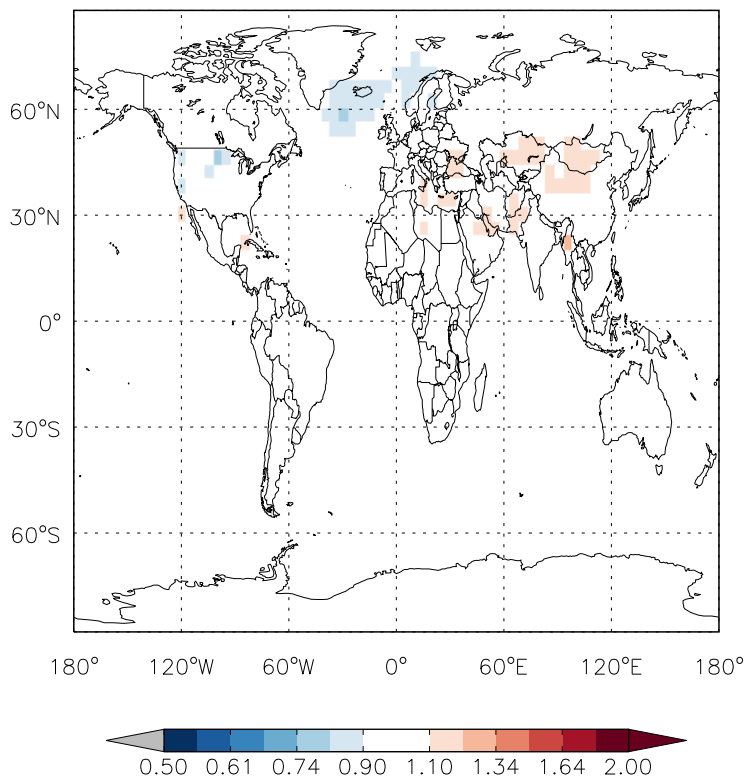
v11-01d-Run1 / v11-01b-Run0  
CH2O / Ratio @ Surface for Apr



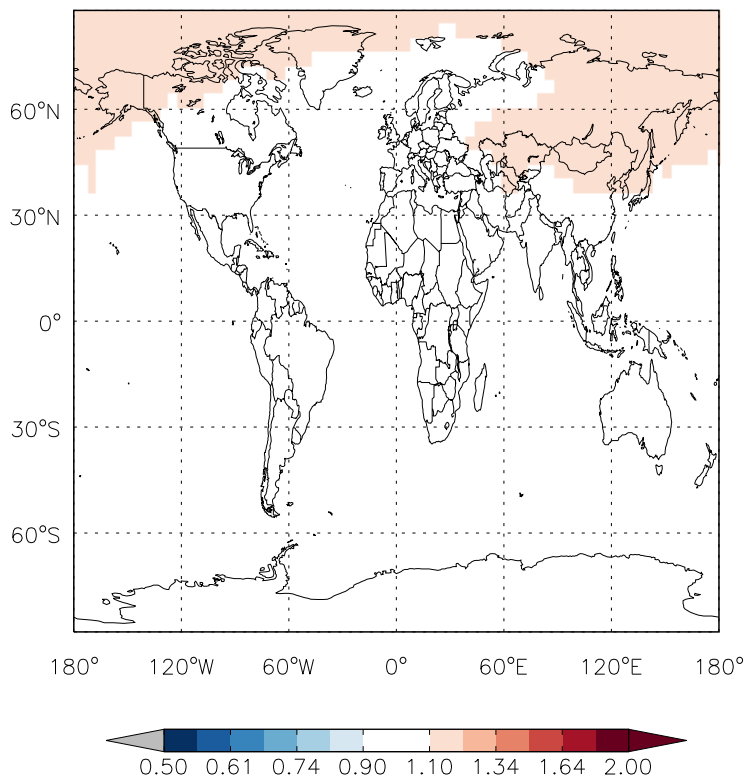
v11-01d-Run1 / v11-01b-Run0  
CH2O / Ratio @ 500 hPa for Apr



v11-01d-Run1 / v10-01-public-Run0  
CH2O / Ratio @ Surface for Apr



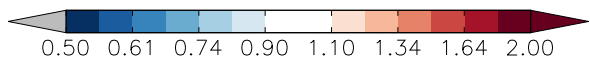
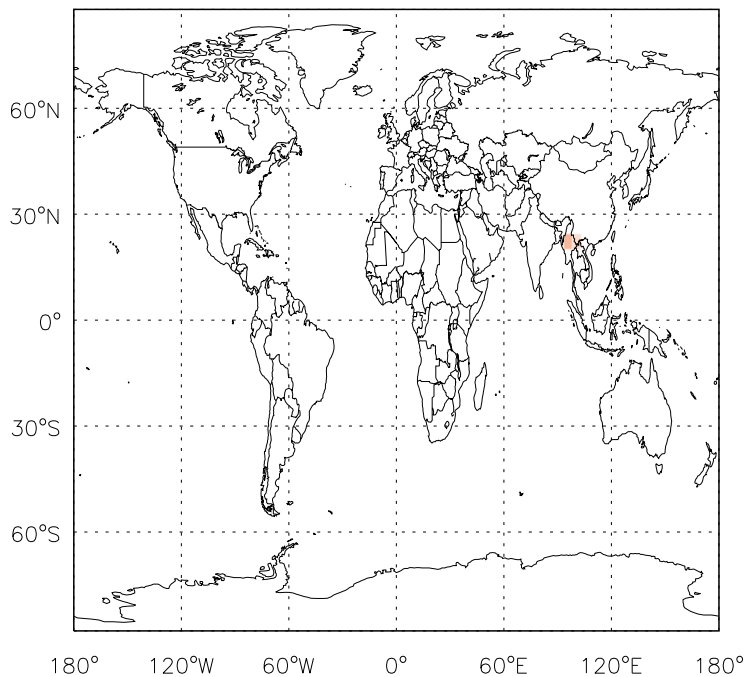
v11-01d-Run1 / v10-01-public-Run0  
CH2O / Ratio @ 500 hPa for Apr



# GEOS-Chem Ratio Maps at surface and 500 hPa

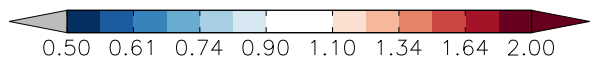
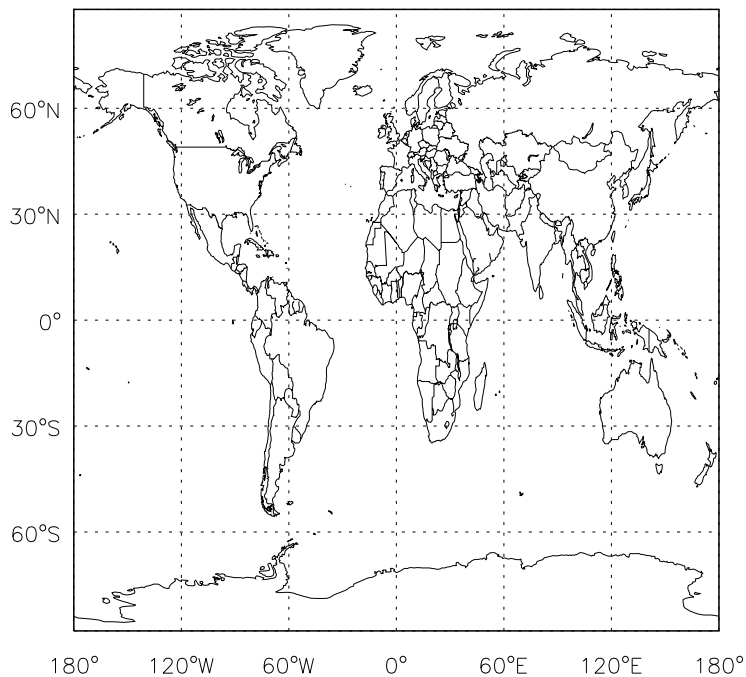
v11-01d-Run1 / v11-01b-Run0

C2H6 / Ratio @ Surface for Apr



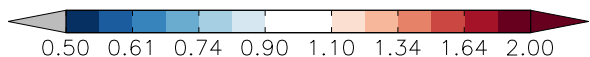
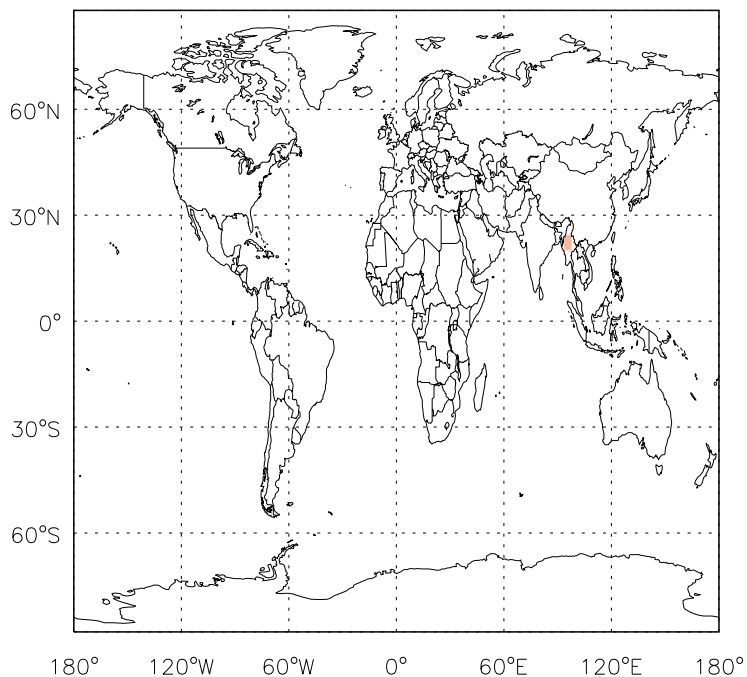
v11-01d-Run1 / v11-01b-Run0

C2H6/ Ratio @ 500 hPa for Apr



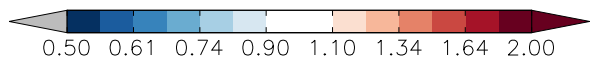
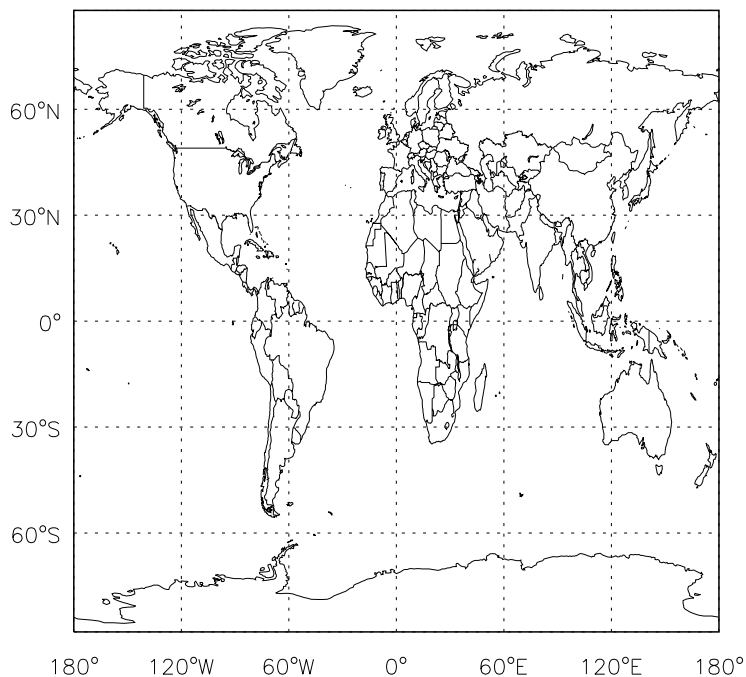
v11-01d-Run1 / v10-01-public-Run0

C2H6 / Ratio @ Surface for Apr



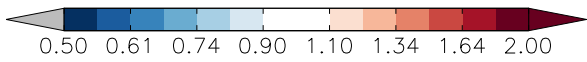
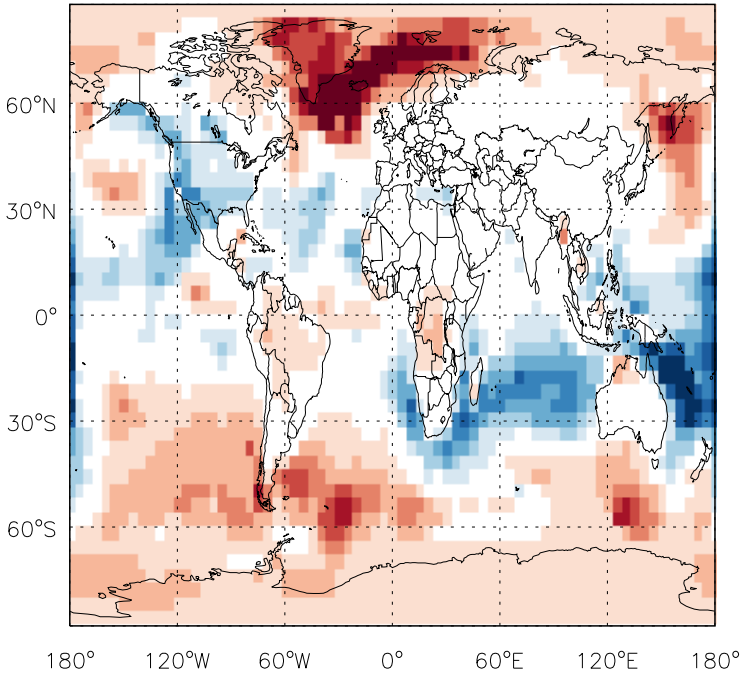
v11-01d-Run1 / v10-01-public-Run0

C2H6/ Ratio @ 500 hPa for Apr

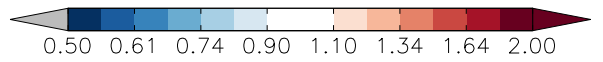
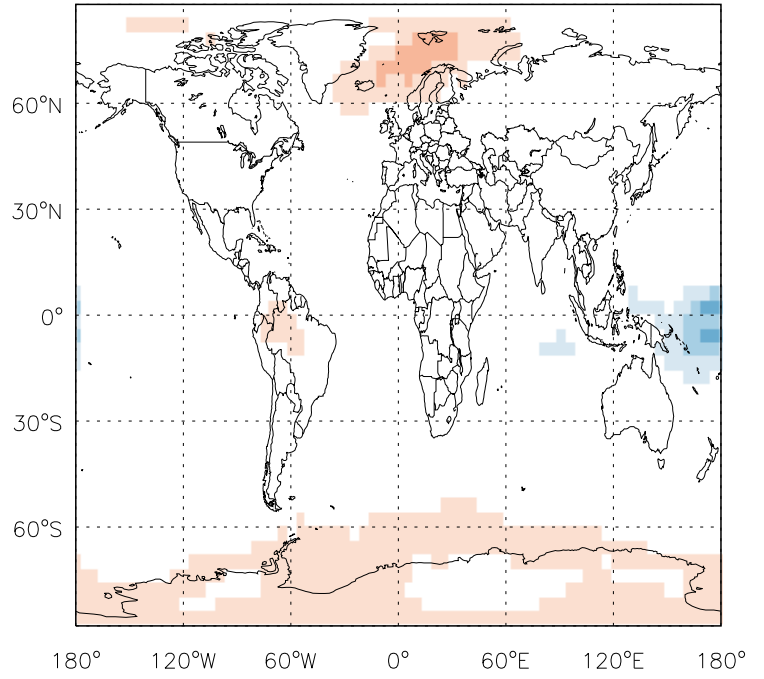


GEOS-Chem Ratio Maps at surface and 500 hPa

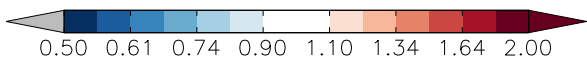
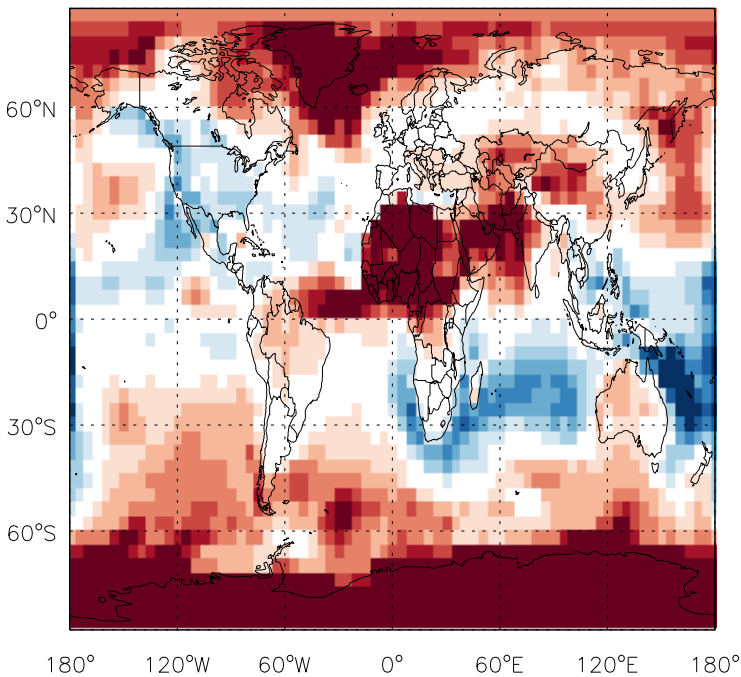
v11-01d-Run1 / v11-01b-Run0  
N2O5 / Ratio @ Surface for Apr



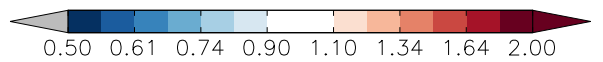
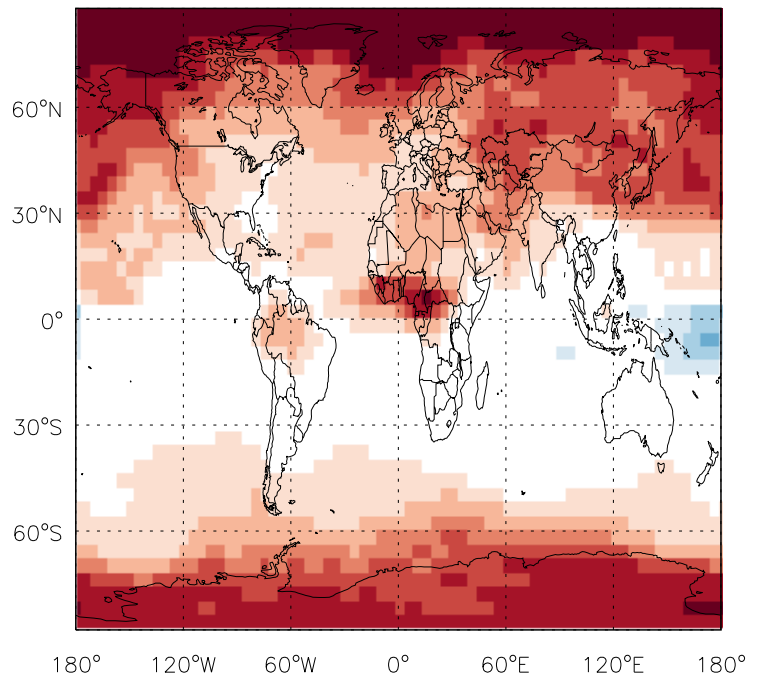
v11-01d-Run1 / v11-01b-Run0  
N2O5 / Ratio @ 500 hPa for Apr



v11-01d-Run1 / v10-01-public-Run0  
N2O5 / Ratio @ Surface for Apr

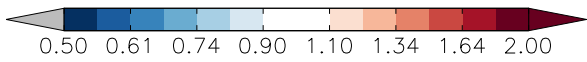
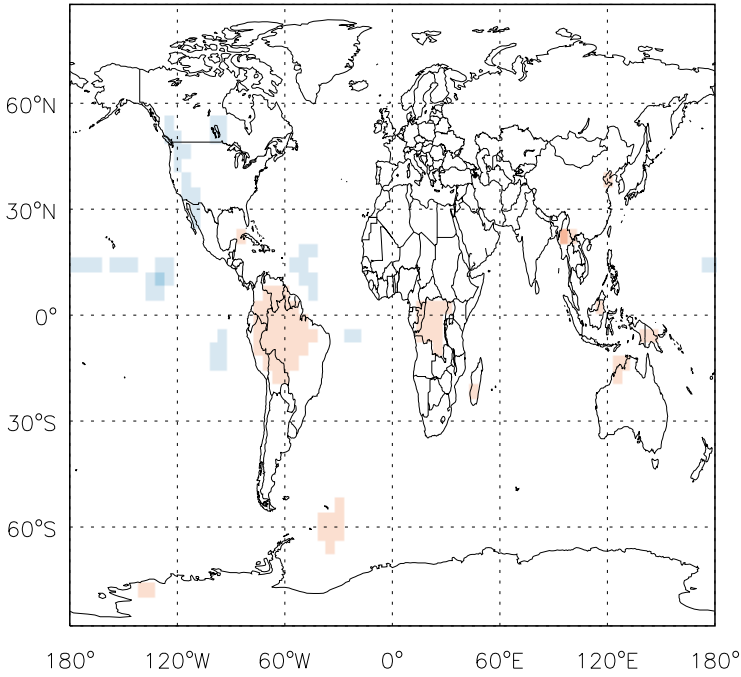


v11-01d-Run1 / v10-01-public-Run0  
N2O5 / Ratio @ 500 hPa for Apr

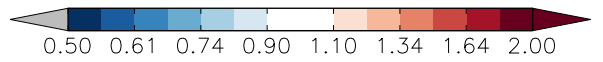
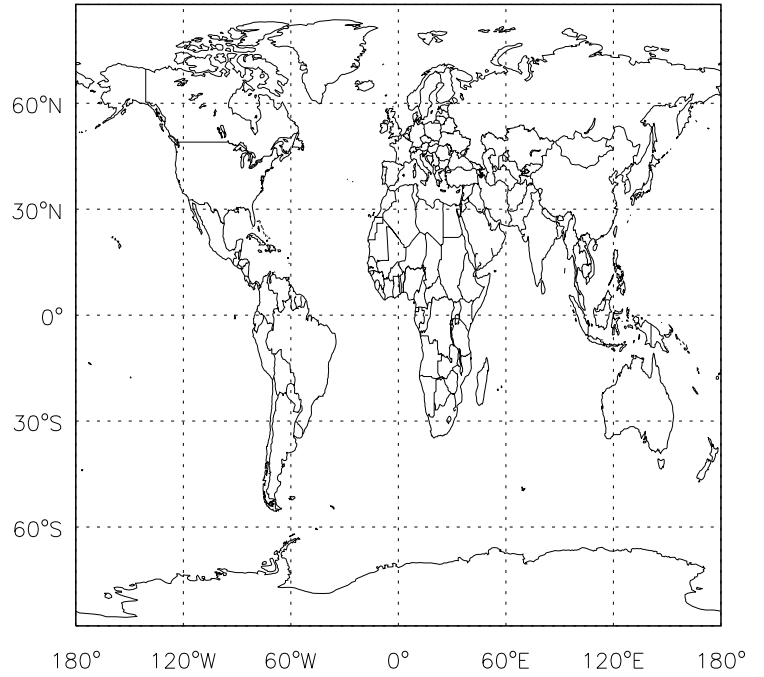


GEOS-Chem Ratio Maps at surface and 500 hPa

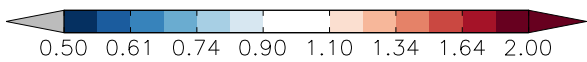
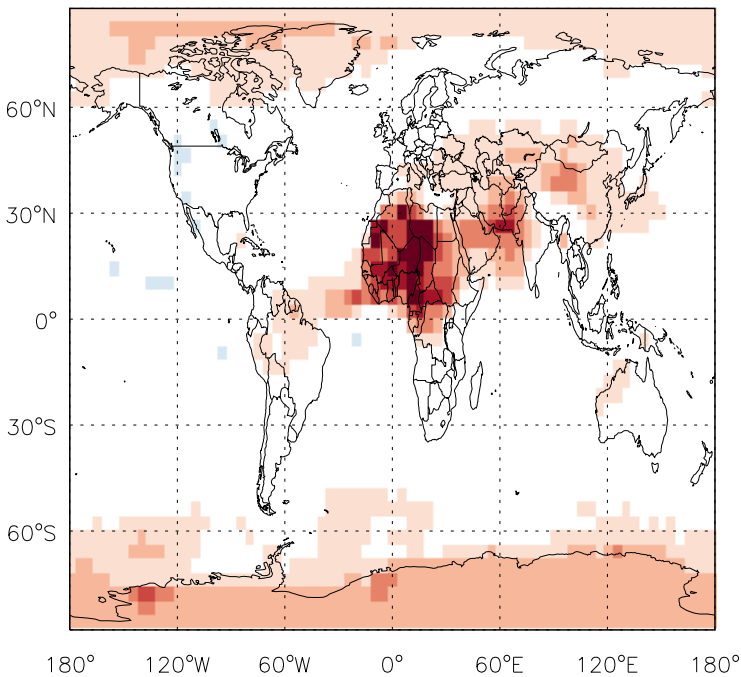
v11-01d-Run1 / v11-01b-Run0  
HN04 / Ratio @ Surface for Apr



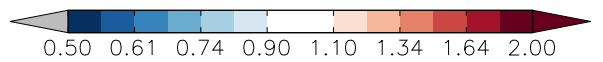
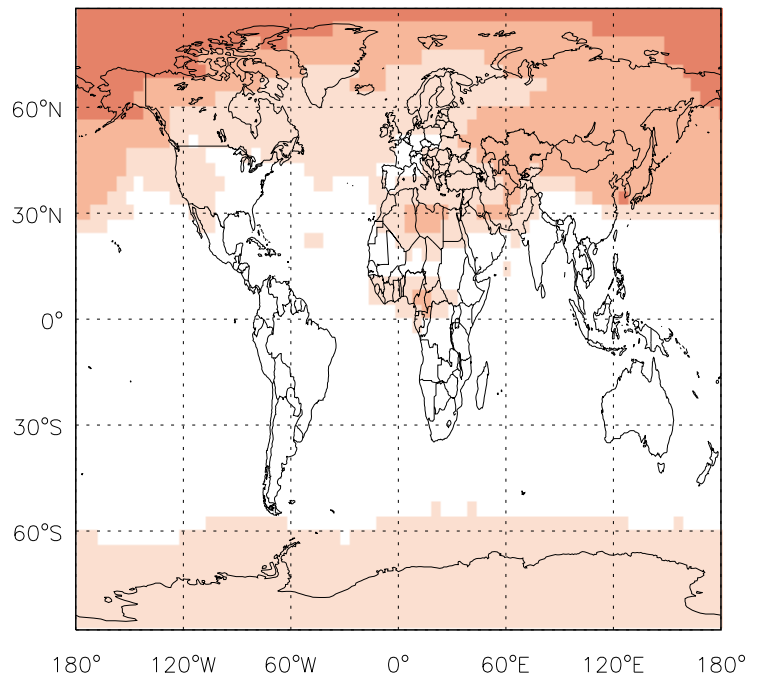
v11-01d-Run1 / v11-01b-Run0  
HN04 / Ratio @ 500 hPa for Apr



v11-01d-Run1 / v10-01-public-Run0  
HN04 / Ratio @ Surface for Apr



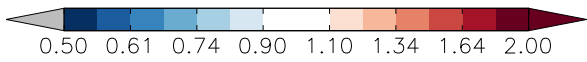
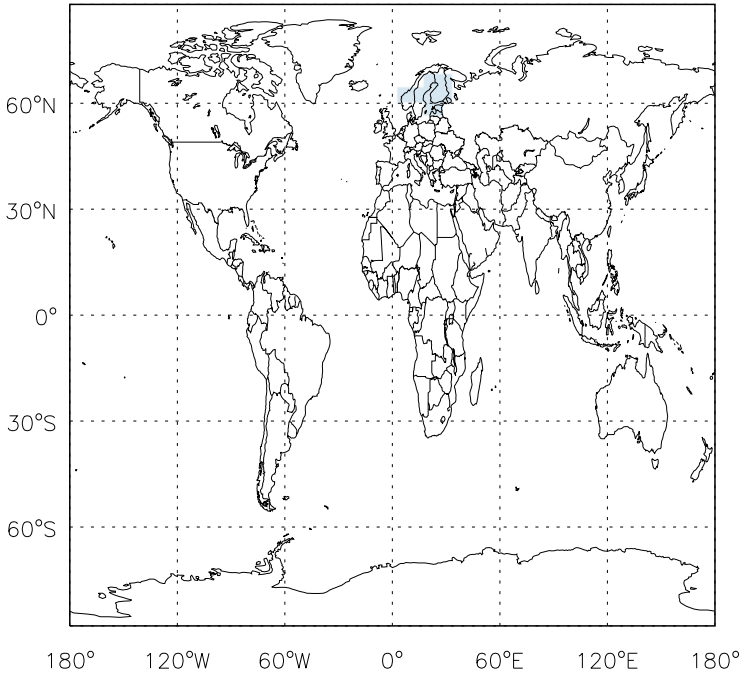
v11-01d-Run1 / v10-01-public-Run0  
HN04 / Ratio @ 500 hPa for Apr



# GEOS-Chem Ratio Maps at surface and 500 hPa

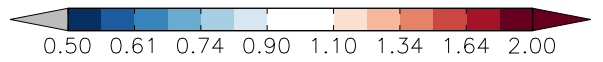
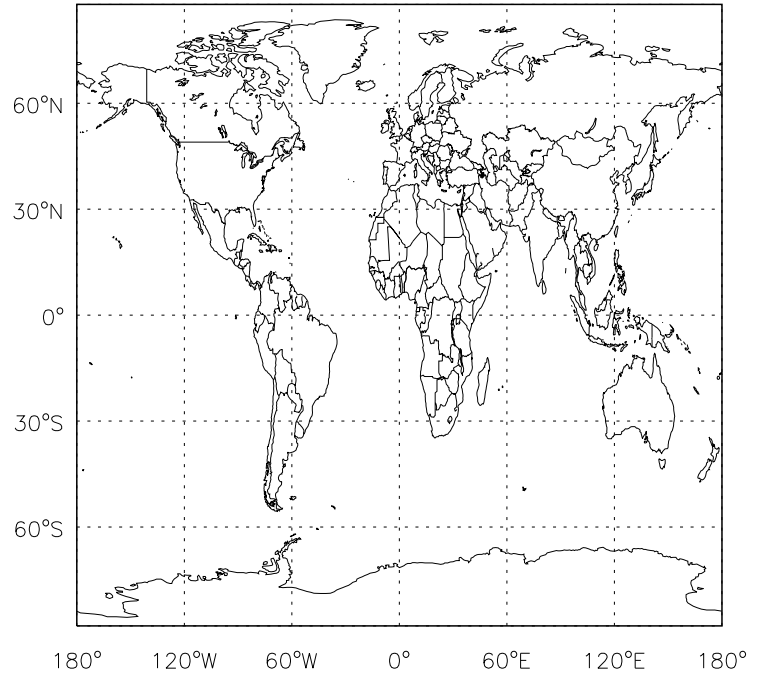
v11-01d-Run1 / v11-01b-Run0

MP / Ratio @ Surface for Apr



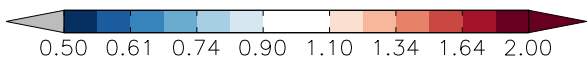
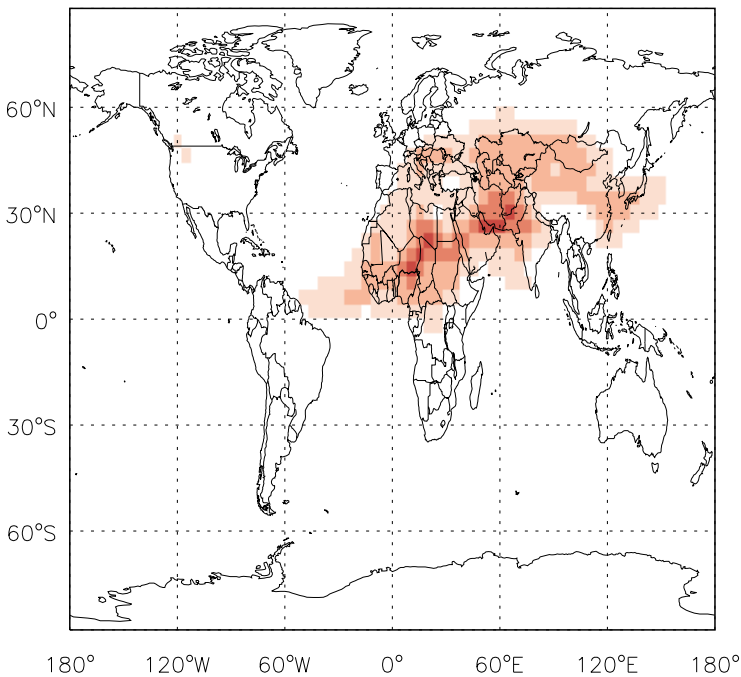
v11-01d-Run1 / v11-01b-Run0

MP/ Ratio @ 500 hPa for Apr



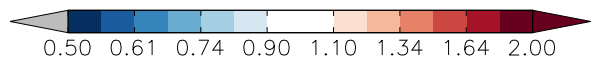
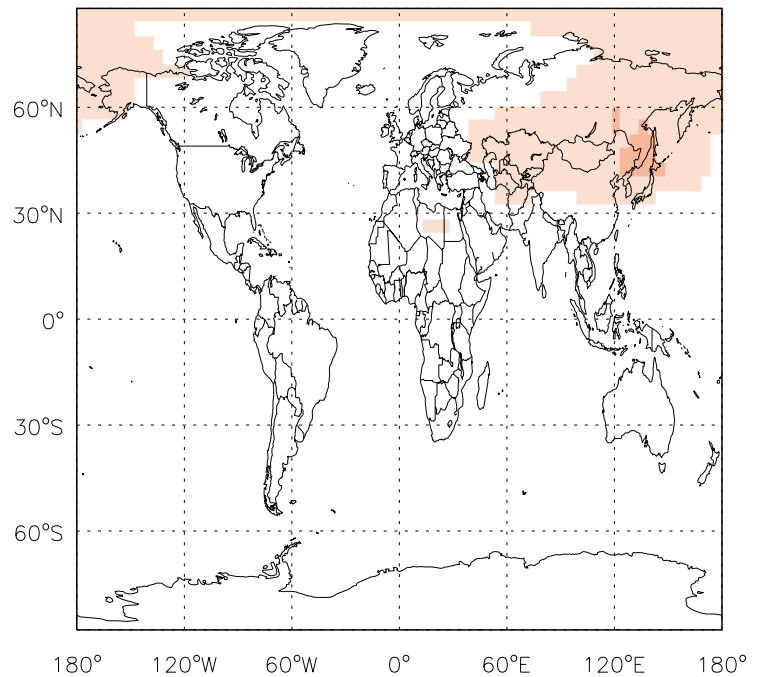
v11-01d-Run1 / v10-01-public-Run0

MP / Ratio @ Surface for Apr



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

MP/ Ratio @ 500 hPa for Apr

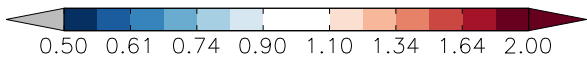
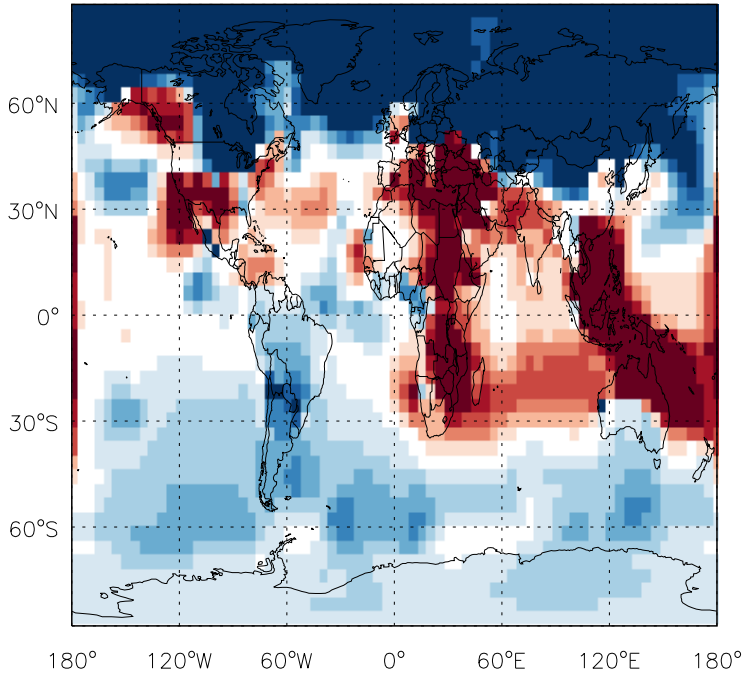




# GEOS-Chem Ratio Maps at surface and 500 hPa

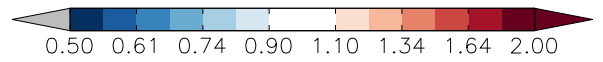
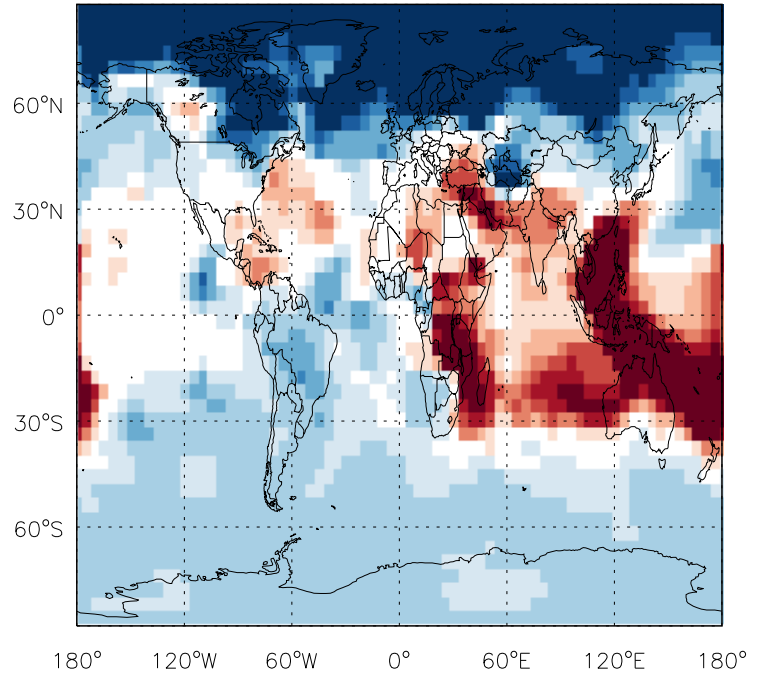
v11-01d-Run1 / v11-01b-Run0

DMS / Ratio @ Surface for Apr



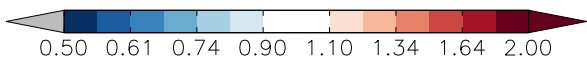
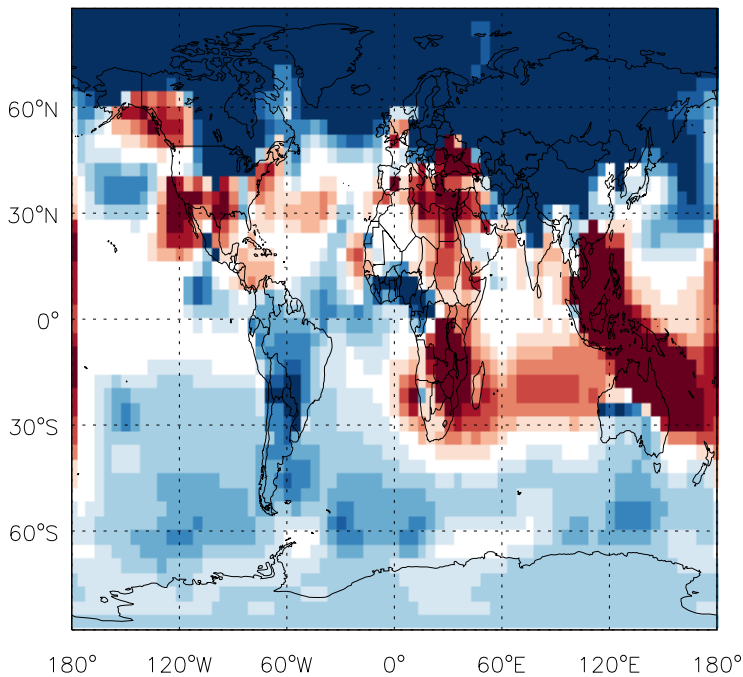
v11-01d-Run1 / v11-01b-Run0

DMS/ Ratio @ 500 hPa for Apr



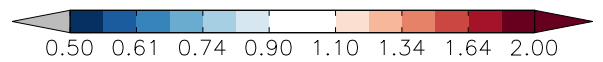
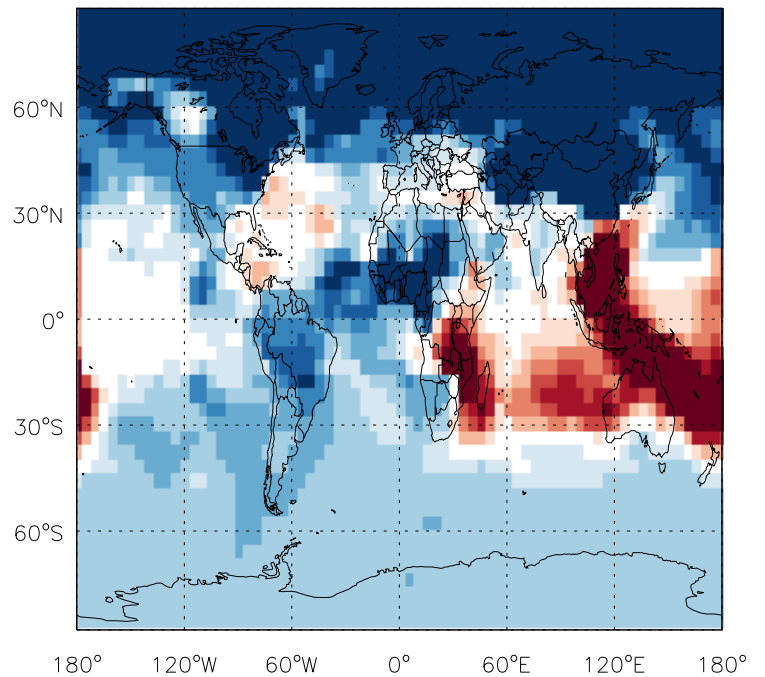
v11-01d-Run1 / v10-01-public-Run0

DMS / Ratio @ Surface for Apr



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

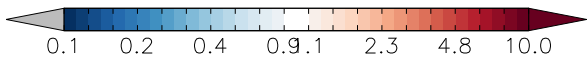
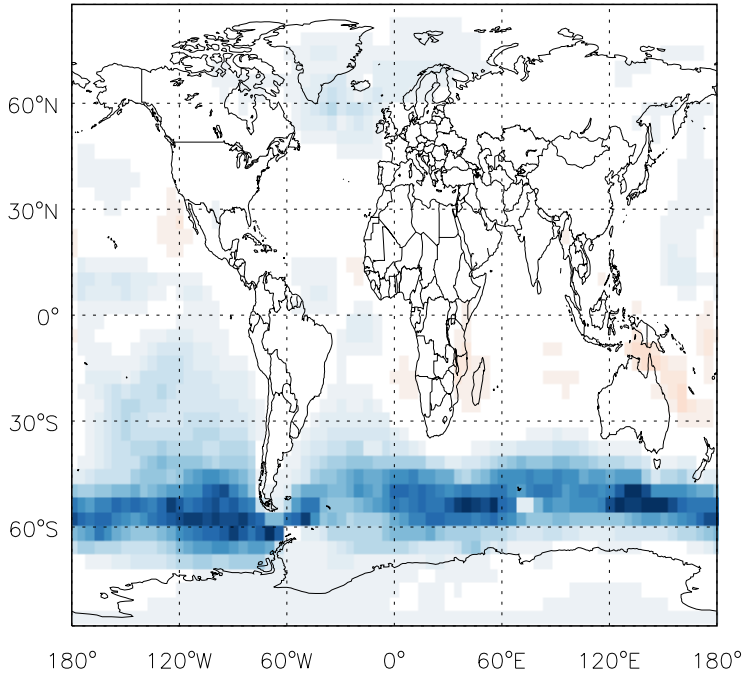
DMS/ Ratio @ 500 hPa for Apr



# GEOS-Chem Ratio Maps at surface and 500 hPa

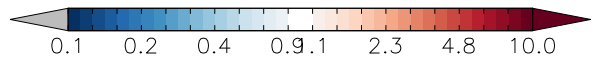
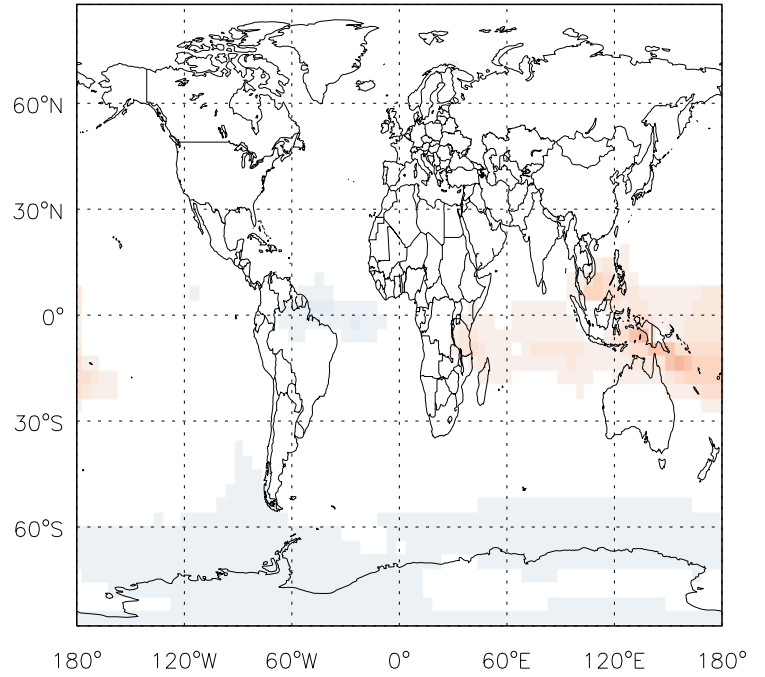
v11-01d-Run1 / v11-01b-Run0

S<sub>02</sub> / Ratio @ Surface for Apr



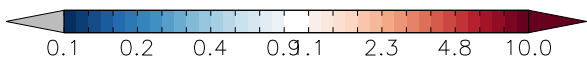
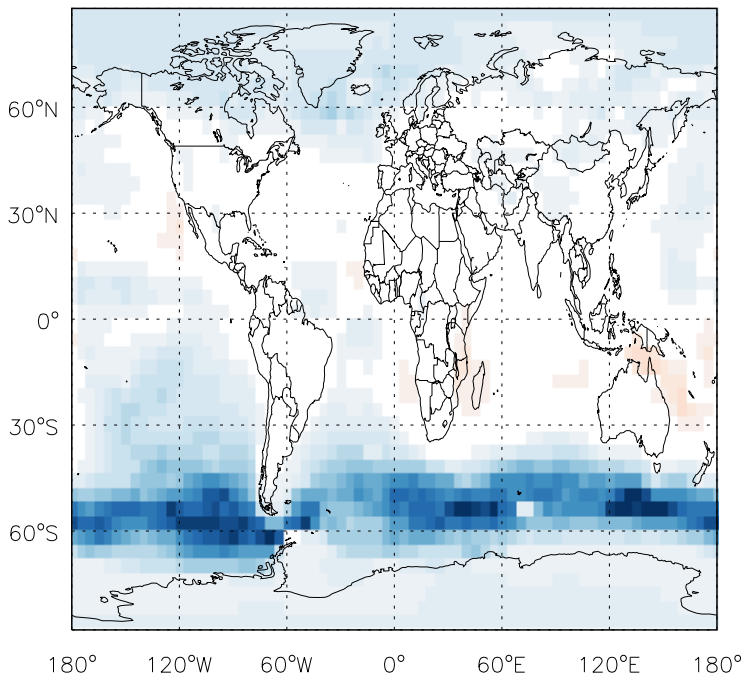
v11-01d-Run1 / v11-01b-Run0

S<sub>02</sub> / Ratio @ 500 hPa for Apr



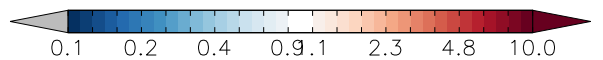
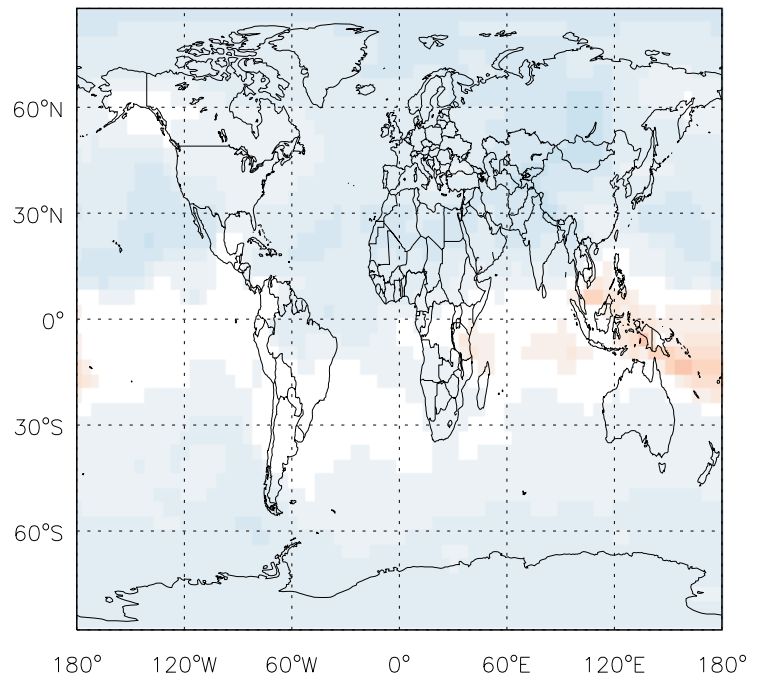
v11-01d-Run1 / v10-01-public-Run0

S<sub>02</sub> / Ratio @ Surface for Apr



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

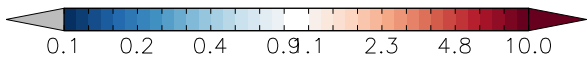
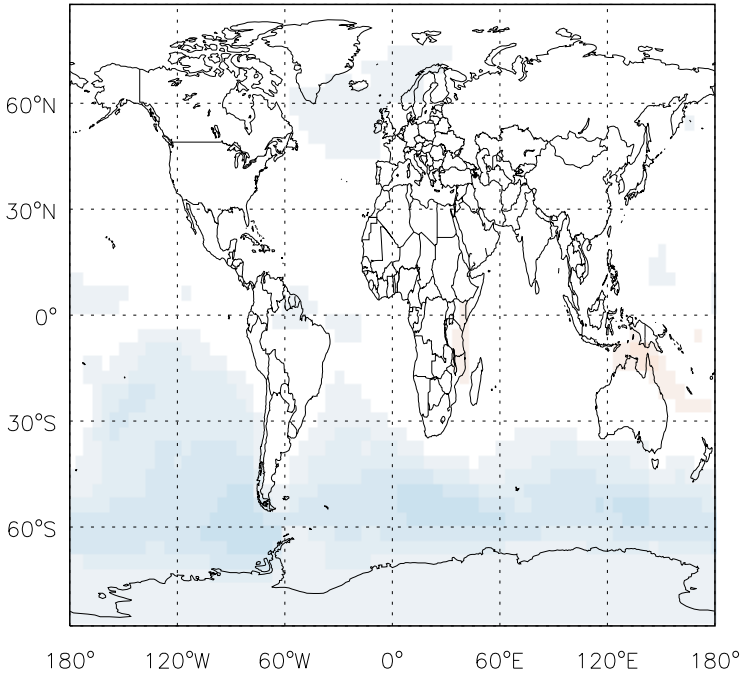
S<sub>02</sub> / Ratio @ 500 hPa for Apr



GEOS-Chem Ratio Maps at surface and 500 hPa

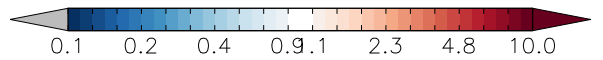
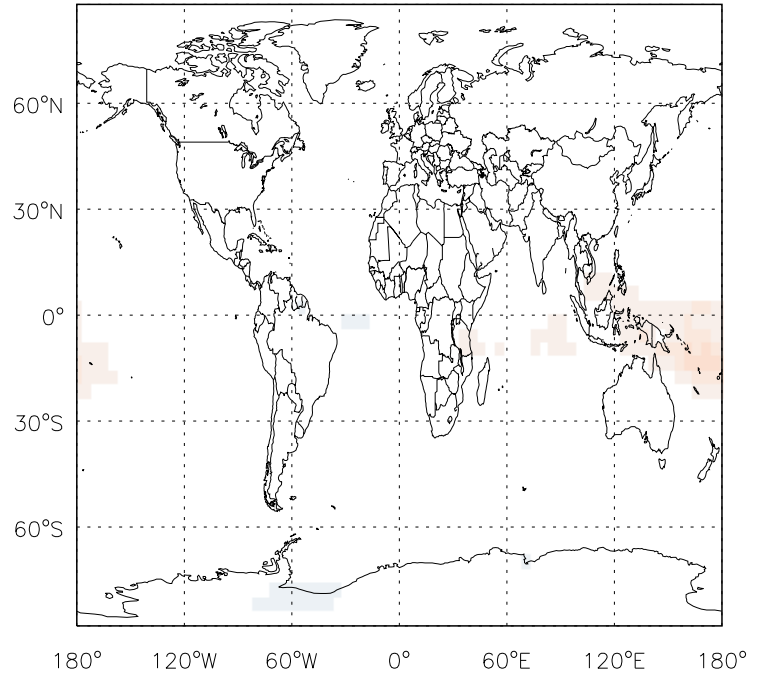
v11-01d-Run1 / v11-01b-Run0

S04 / Ratio @ Surface for Apr



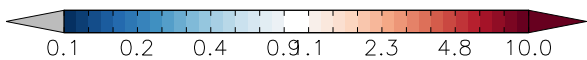
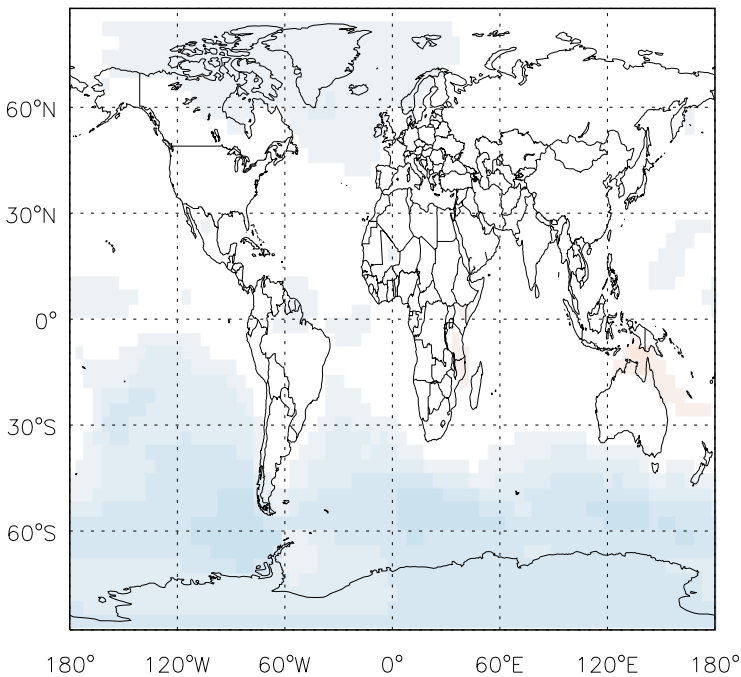
v11-01d-Run1 / v11-01b-Run0

S04/ Ratio @ 500 hPa for Apr



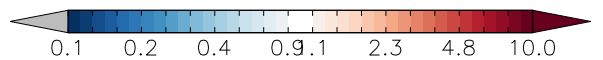
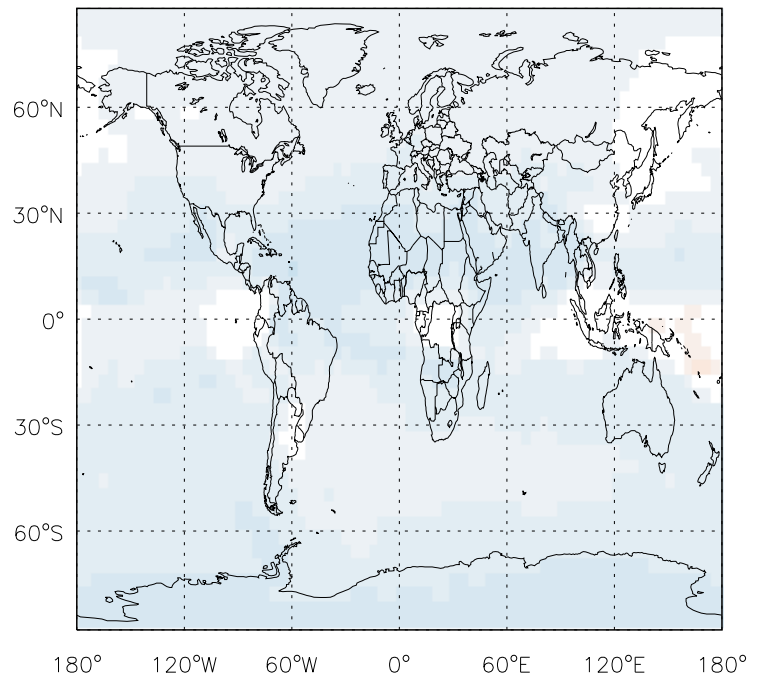
v11-01d-Run1 / v10-01-public-Run0

S04 / Ratio @ Surface for Apr



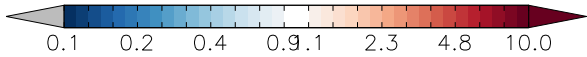
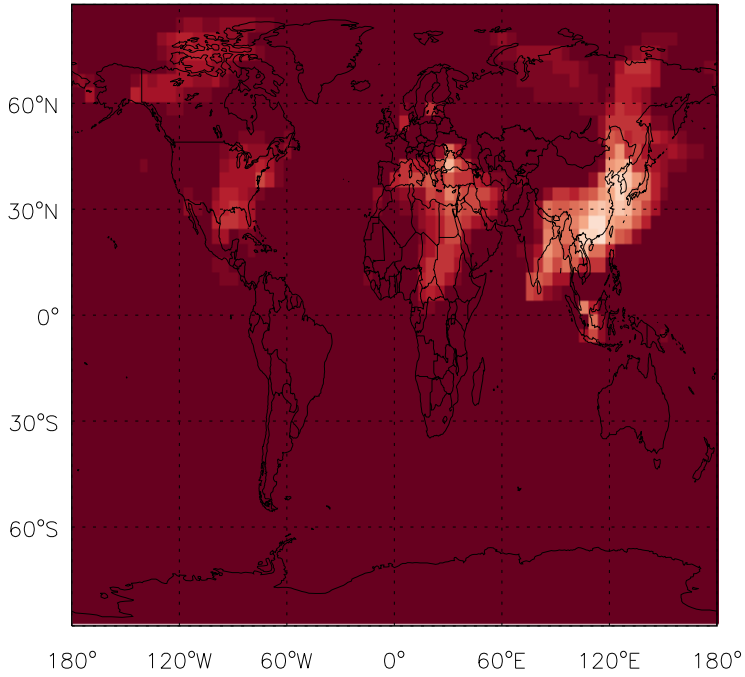
v11-01d-Run1 / v10-01-public-Run0

S04/ Ratio @ 500 hPa for Apr

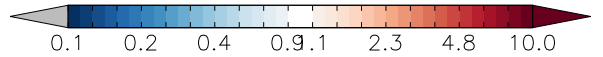
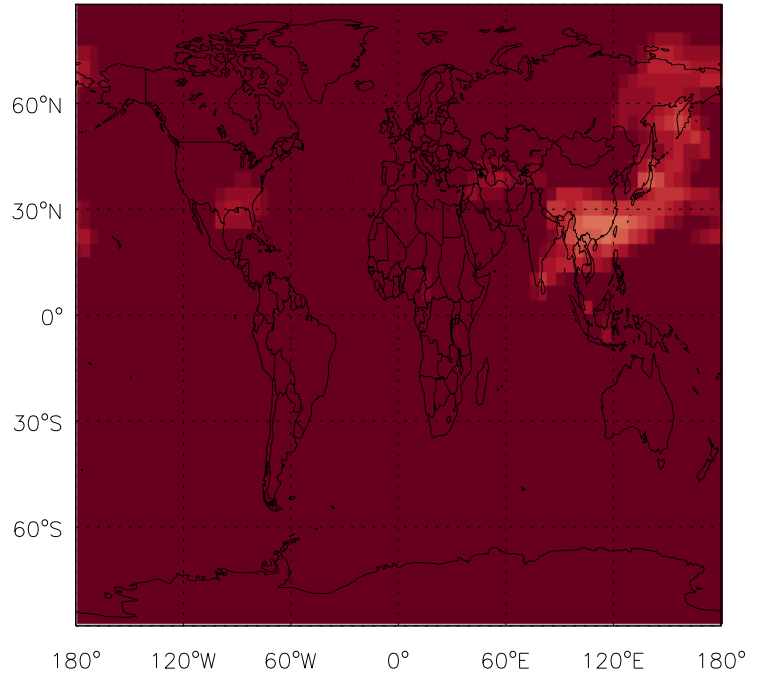


# GEOS-Chem Ratio Maps at surface and 500 hPa

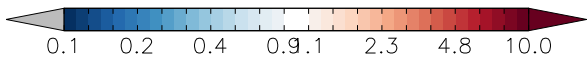
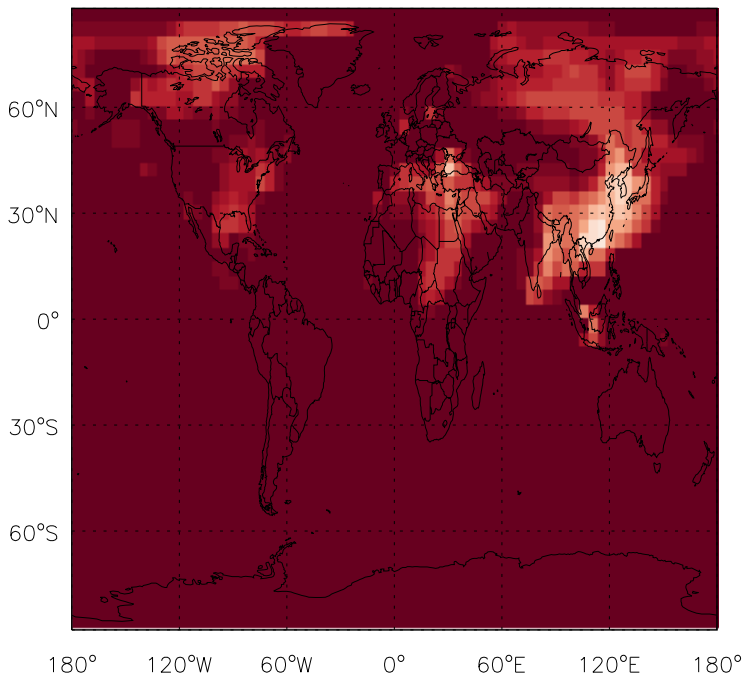
v11-01d-Run1 / v11-01b-Run0  
SO<sub>4</sub>s / Ratio @ Surface for Apr



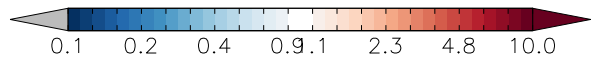
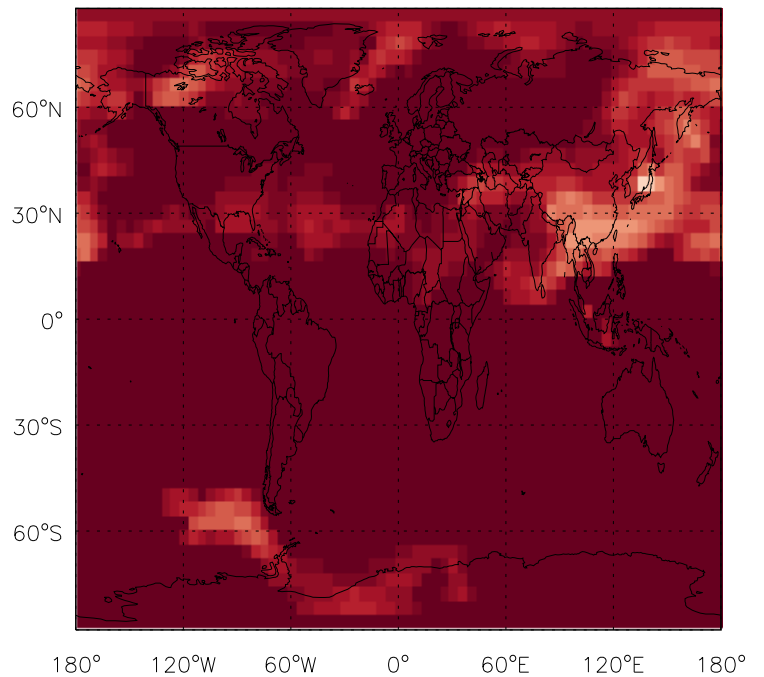
v11-01d-Run1 / v11-01b-Run0  
SO<sub>4</sub>s / Ratio @ 500 hPa for Apr



v11-01d-Run1 / v10-01-public-Run0  
SO<sub>4</sub>s / Ratio @ Surface for Apr



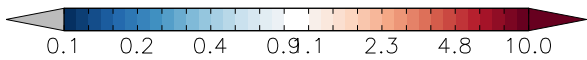
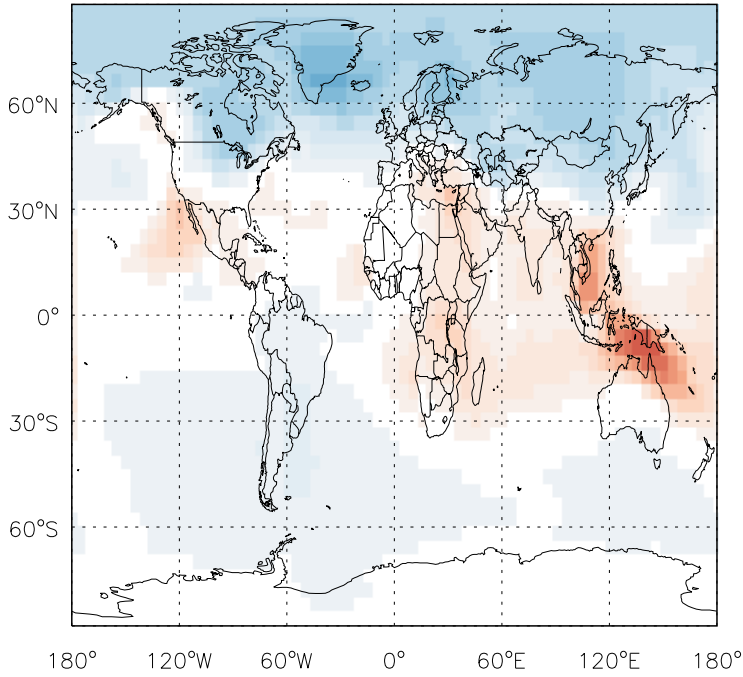
v11-01d-Run1 / v10-01-public-Run0  
SO<sub>4</sub>s / Ratio @ 500 hPa for Apr



# GEOS-Chem Ratio Maps at surface and 500 hPa

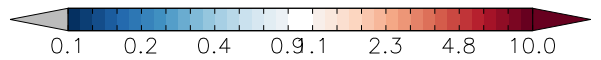
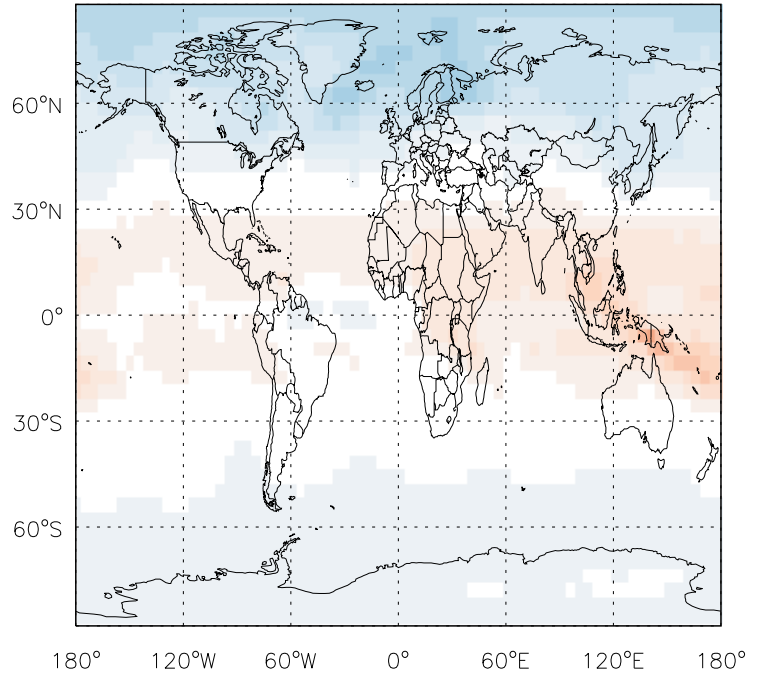
v11-01d-Run1 / v11-01b-Run0

MSA / Ratio @ Surface for Apr



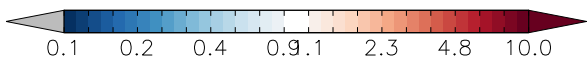
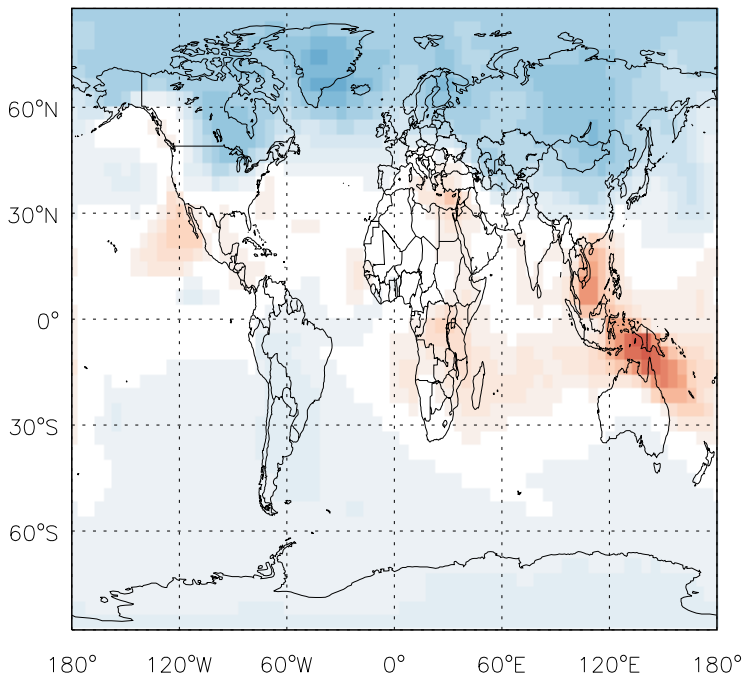
v11-01d-Run1 / v11-01b-Run0

MSA/ Ratio @ 500 hPa for Apr



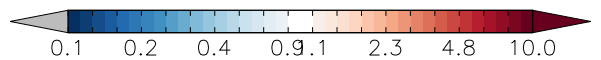
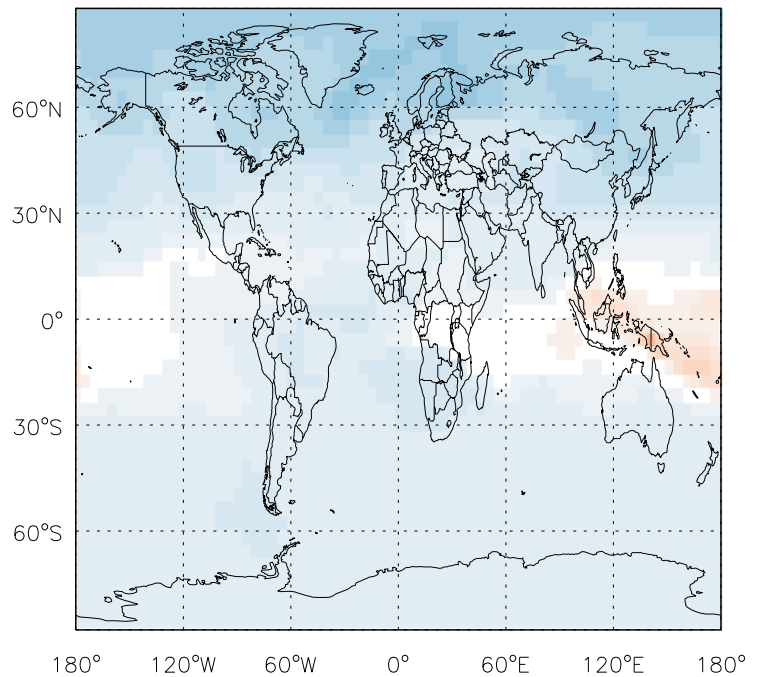
v11-01d-Run1 / v10-01-public-Run0

MSA / Ratio @ Surface for Apr



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

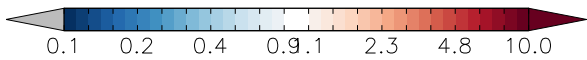
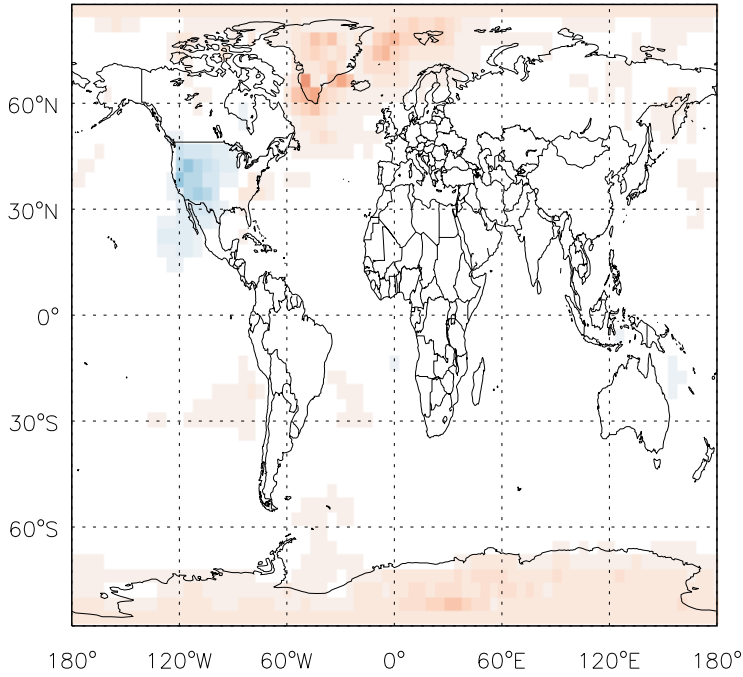
MSA/ Ratio @ 500 hPa for Apr



# GEOS-Chem Ratio Maps at surface and 500 hPa

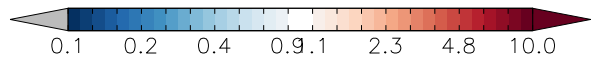
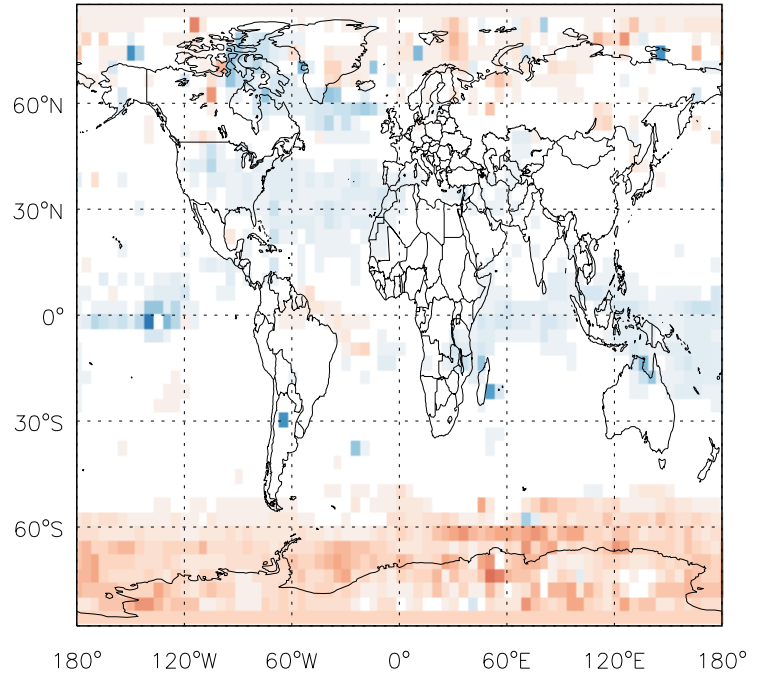
v11-01d-Run1 / v11-01b-Run0

NH<sub>3</sub> / Ratio @ Surface for Apr



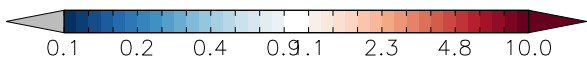
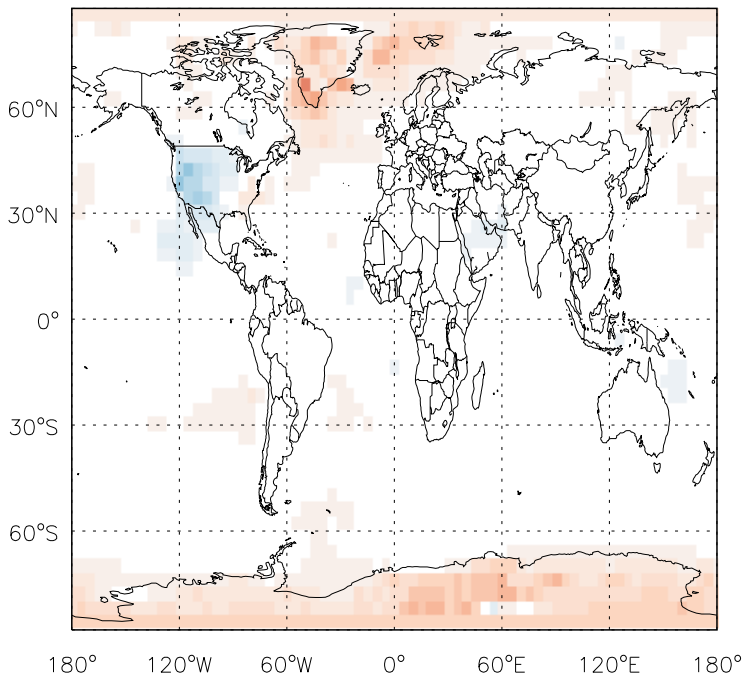
v11-01d-Run1 / v11-01b-Run0

NH<sub>3</sub>/ Ratio @ 500 hPa for Apr



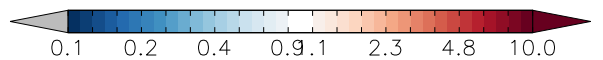
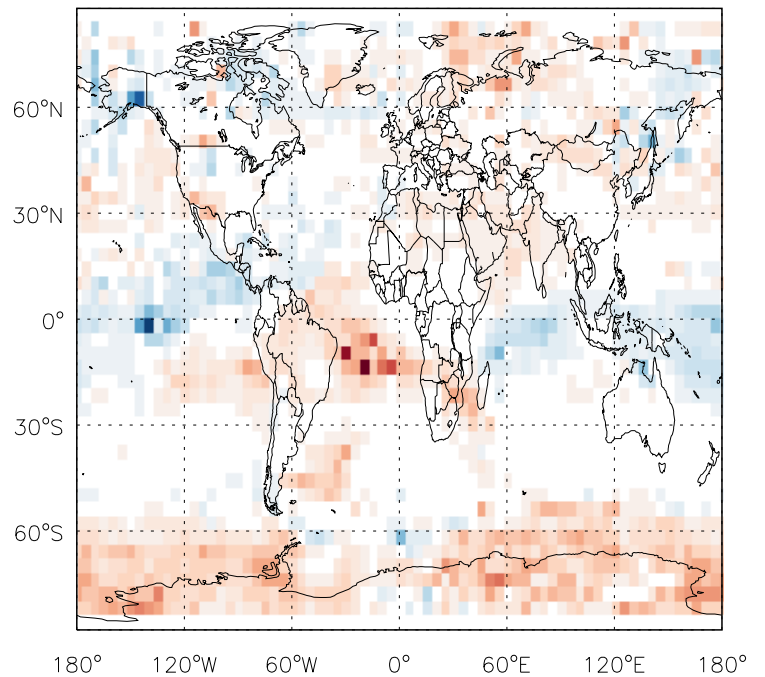
v11-01d-Run1 / v10-01-public-Run0

NH<sub>3</sub> / Ratio @ Surface for Apr



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

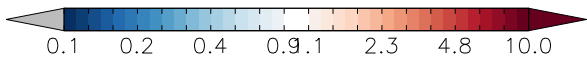
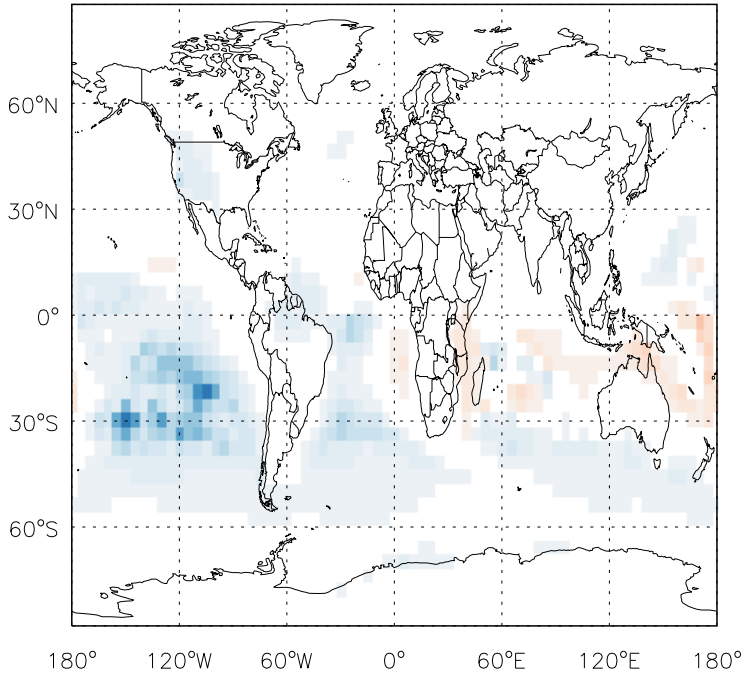
NH<sub>3</sub>/ Ratio @ 500 hPa for Apr



GEOS-Chem Ratio Maps at surface and 500 hPa

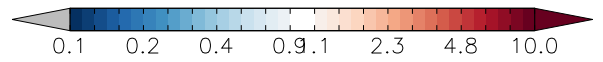
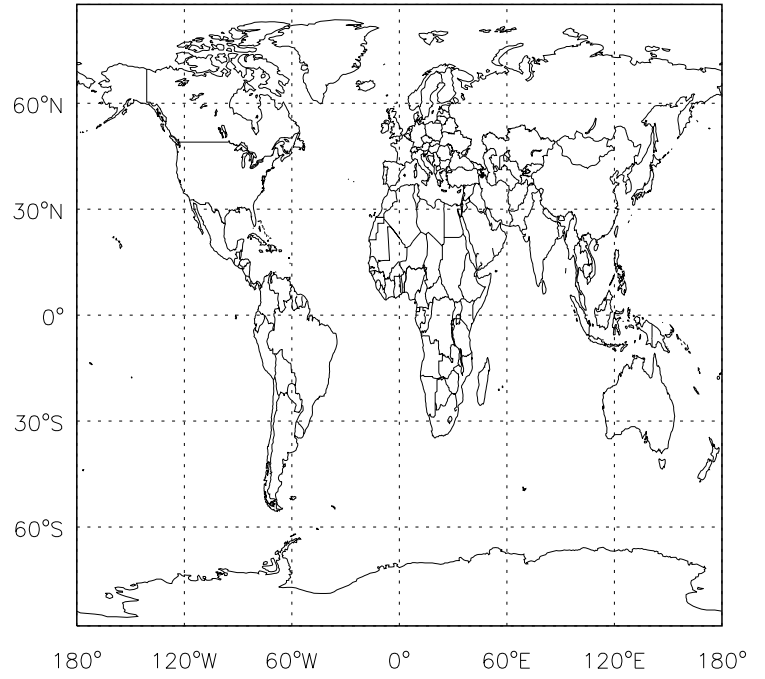
v11-01d-Run1 / v11-01b-Run0

NH4 / Ratio @ Surface for Apr



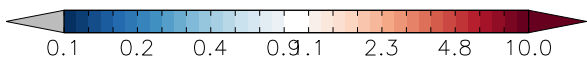
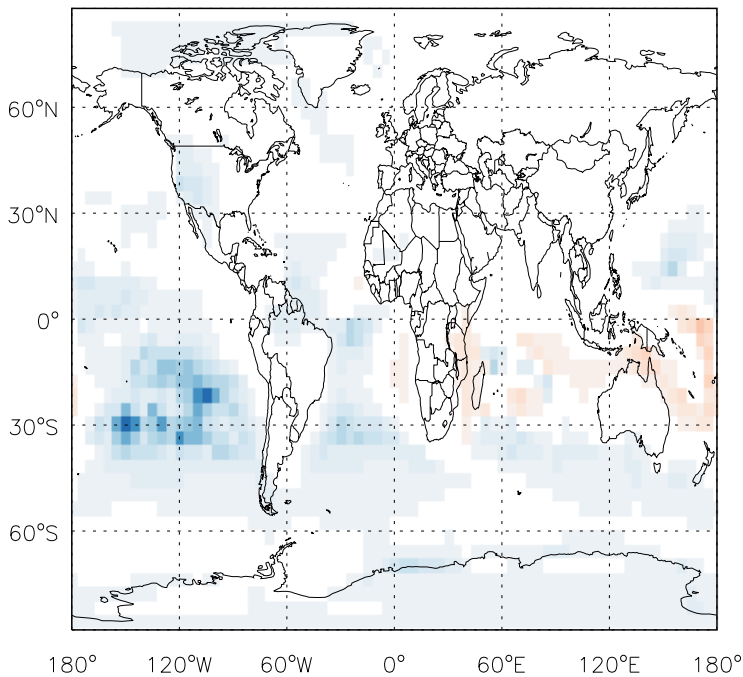
v11-01d-Run1 / v11-01b-Run0

NH4 / Ratio @ 500 hPa for Apr



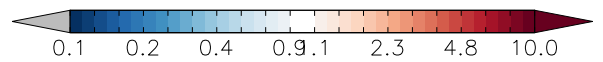
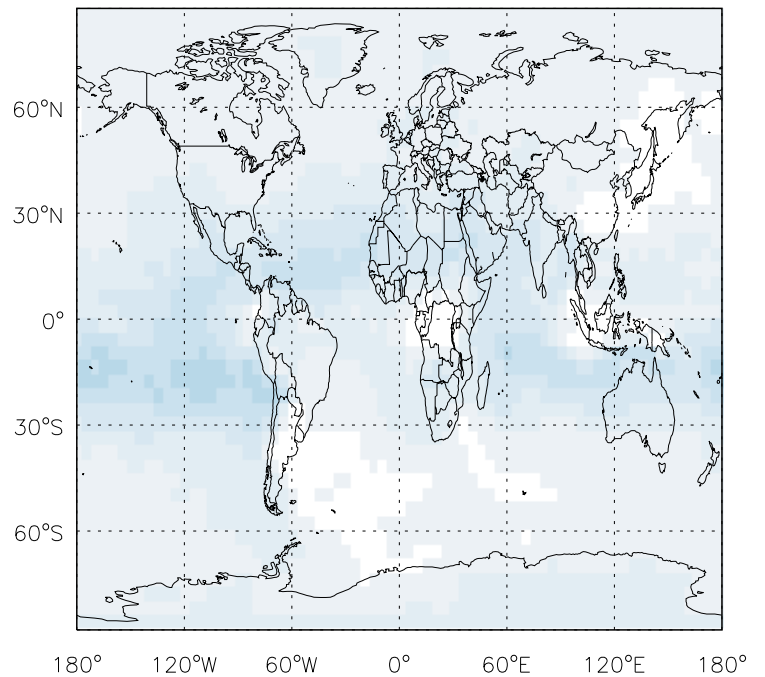
v11-01d-Run1 / v10-01-public-Run0

NH4 / Ratio @ Surface for Apr



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

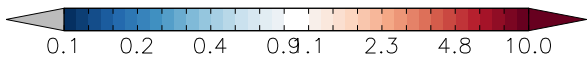
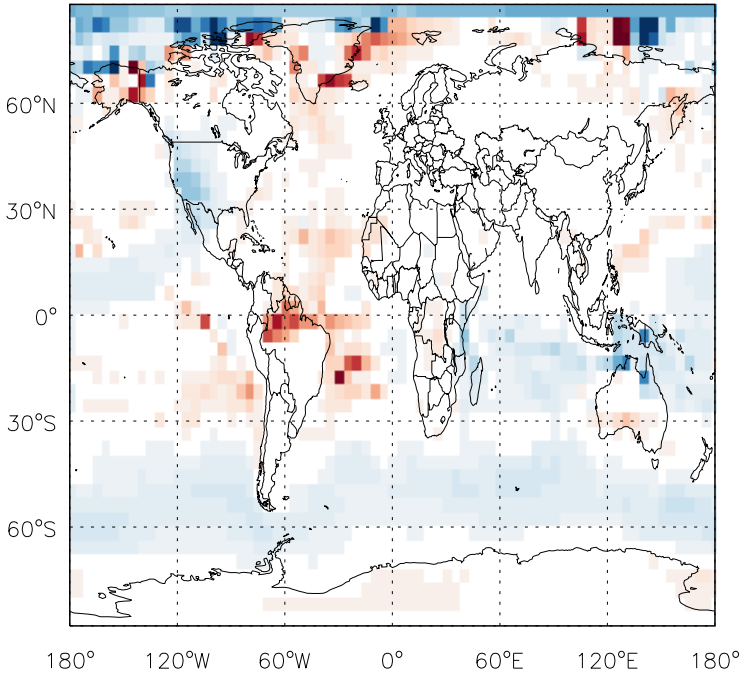
NH4 / Ratio @ 500 hPa for Apr



GEOS-Chem Ratio Maps at surface and 500 hPa

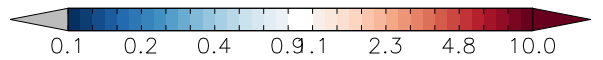
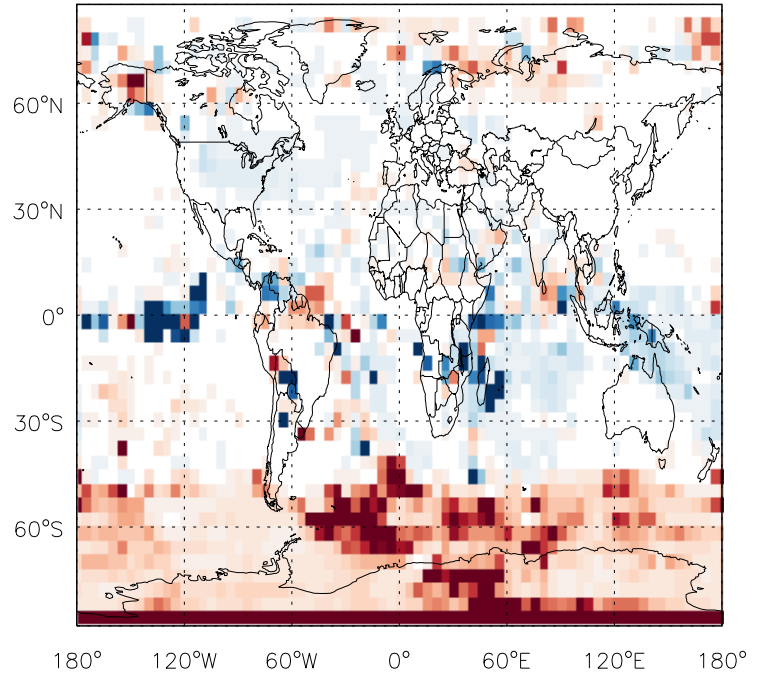
v11-01d-Run1 / v11-01b-Run0

NIT / Ratio @ Surface for Apr



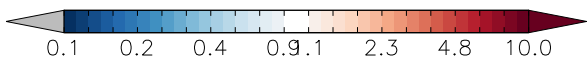
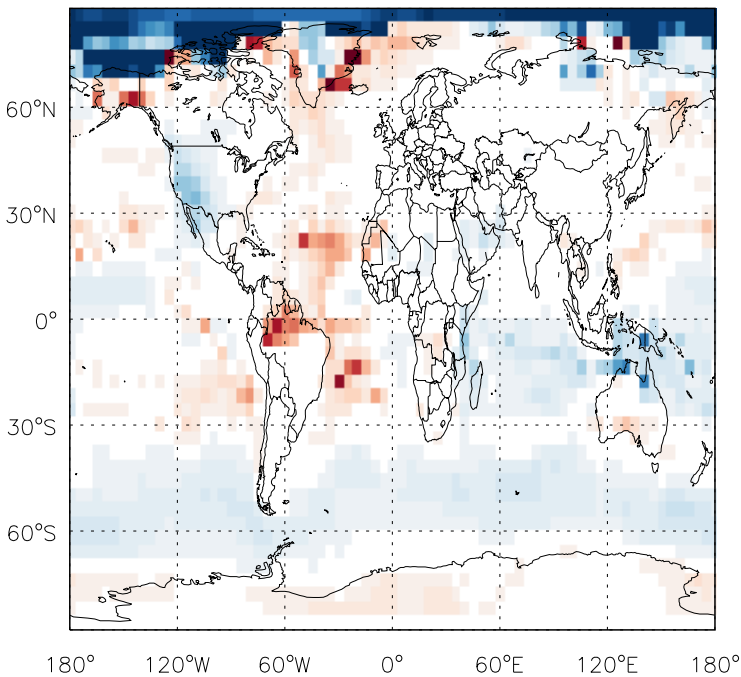
v11-01d-Run1 / v11-01b-Run0

NIT/ Ratio @ 500 hPa for Apr



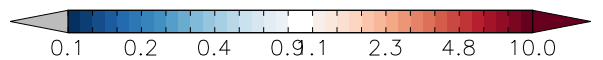
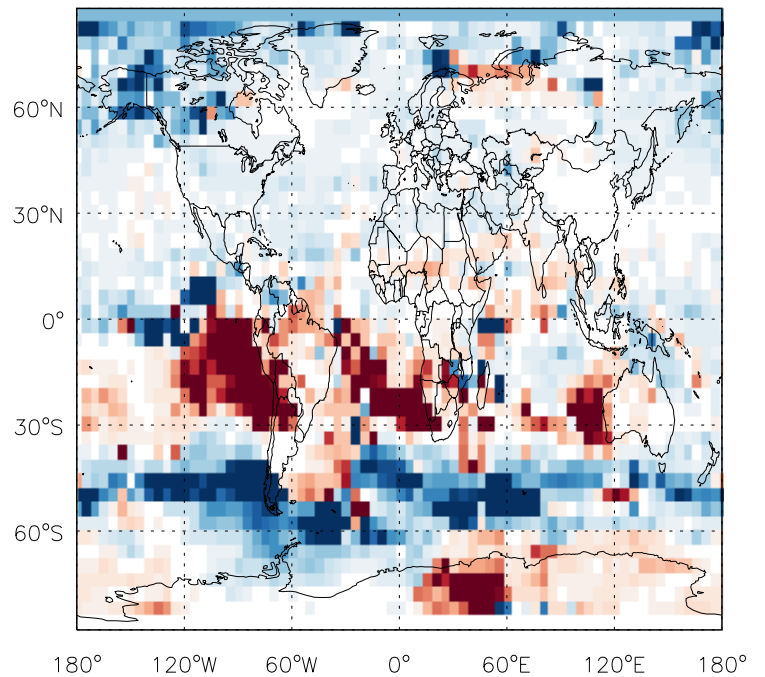
v11-01d-Run1 / v10-01-public-Run0

NIT / Ratio @ Surface for Apr



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

NIT/ Ratio @ 500 hPa for Apr

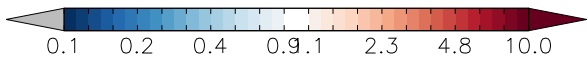
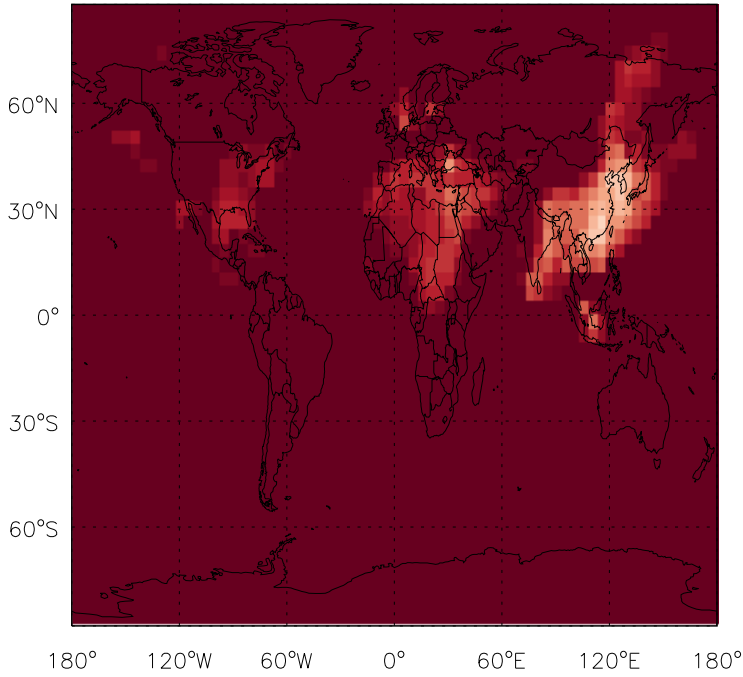




# GEOS-Chem Ratio Maps at surface and 500 hPa

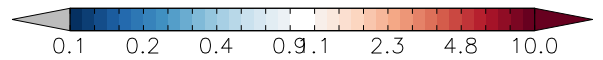
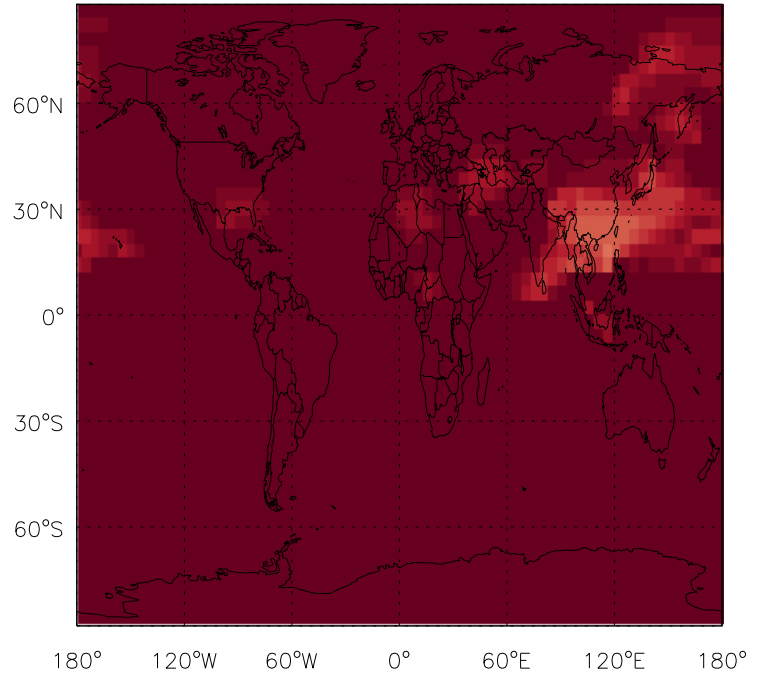
v11-01d-Run1 / v11-01b-Run0

NITs / Ratio @ Surface for Apr



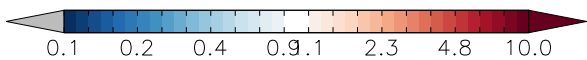
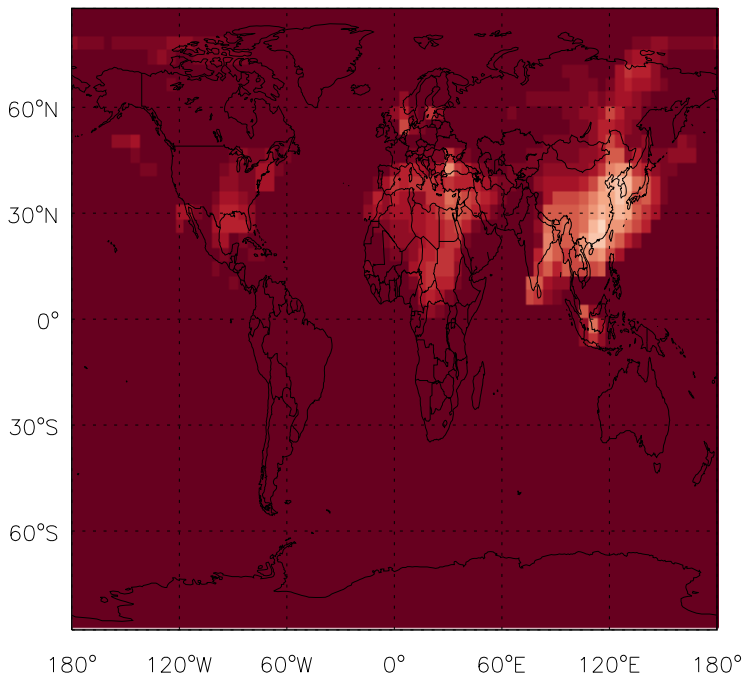
v11-01d-Run1 / v11-01b-Run0

NITs/ Ratio @ 500 hPa for Apr



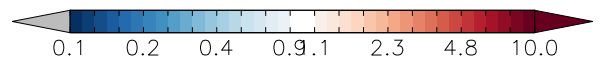
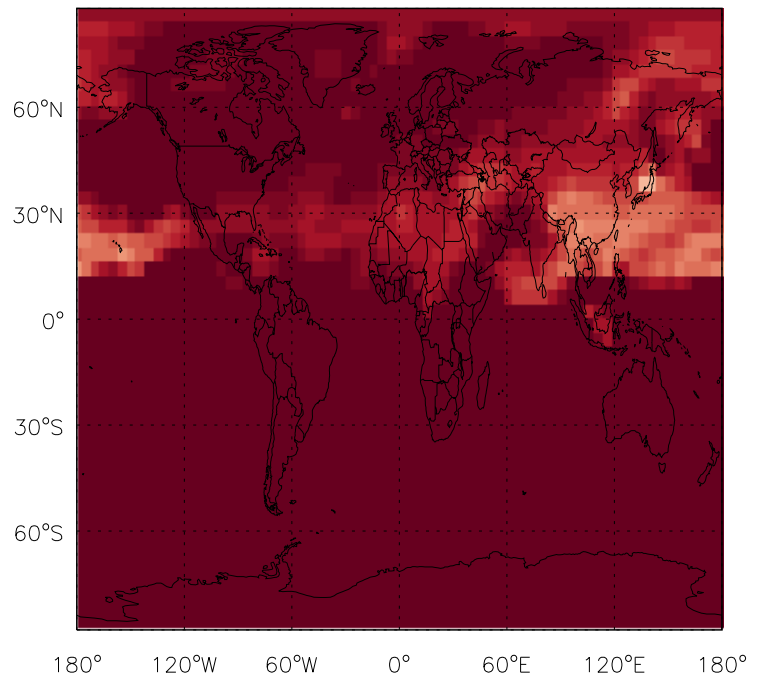
v11-01d-Run1 / v10-01-public-Run0

NITs / Ratio @ Surface for Apr



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

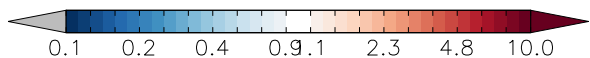
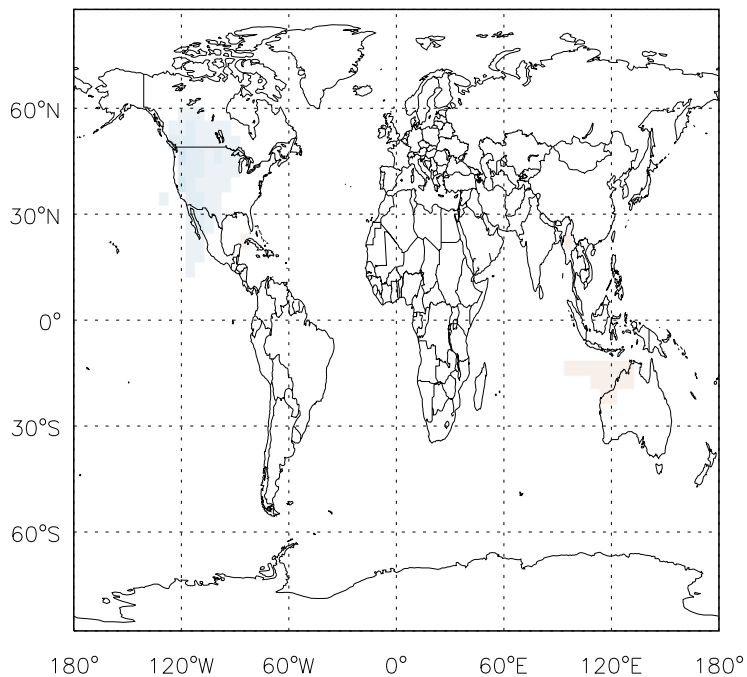
NITs/ Ratio @ 500 hPa for Apr



# GEOS-Chem Ratio Maps at surface and 500 hPa

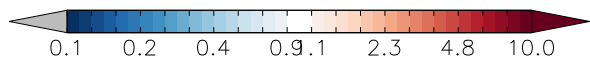
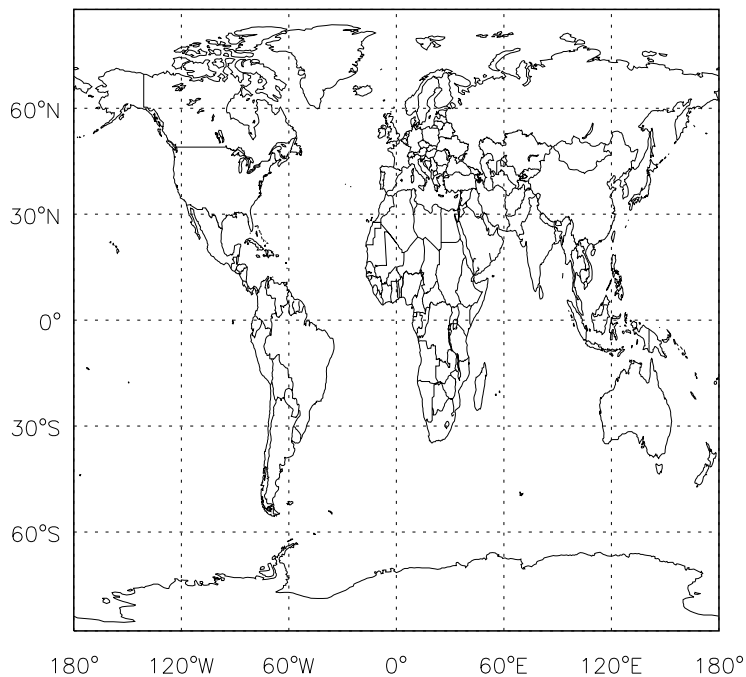
v11-01d-Run1 / v11-01b-Run0

BCPI / Ratio @ Surface for Apr



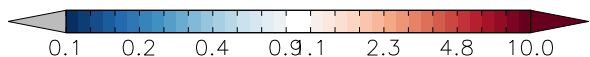
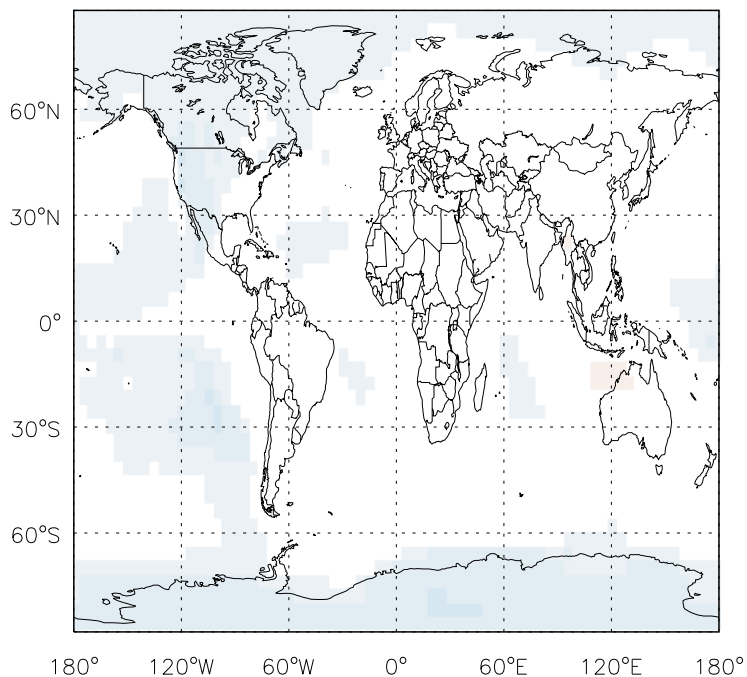
v11-01d-Run1 / v11-01b-Run0

BCPI/ Ratio @ 500 hPa for Apr



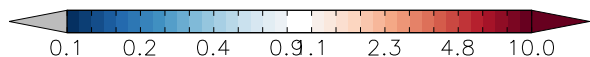
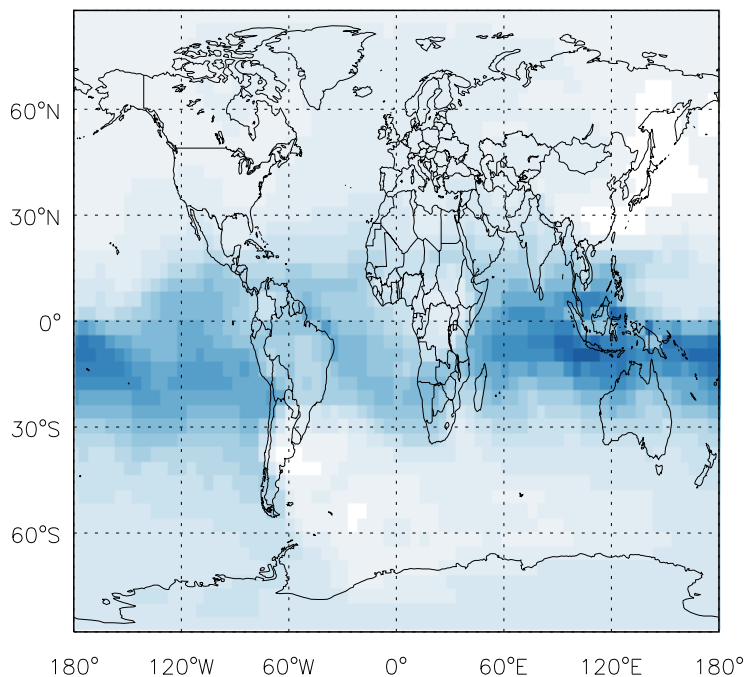
v11-01d-Run1 / v10-01-public-Run0

BCPI / Ratio @ Surface for Apr



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

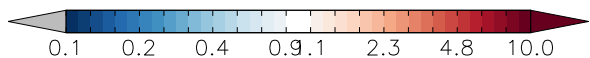
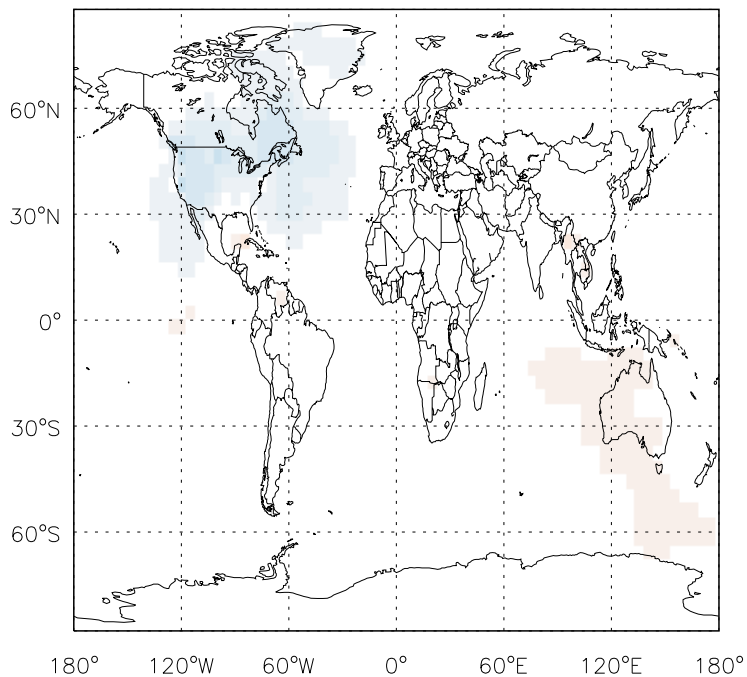
BCPI/ Ratio @ 500 hPa for Apr



# GEOS-Chem Ratio Maps at surface and 500 hPa

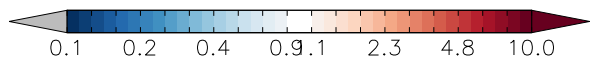
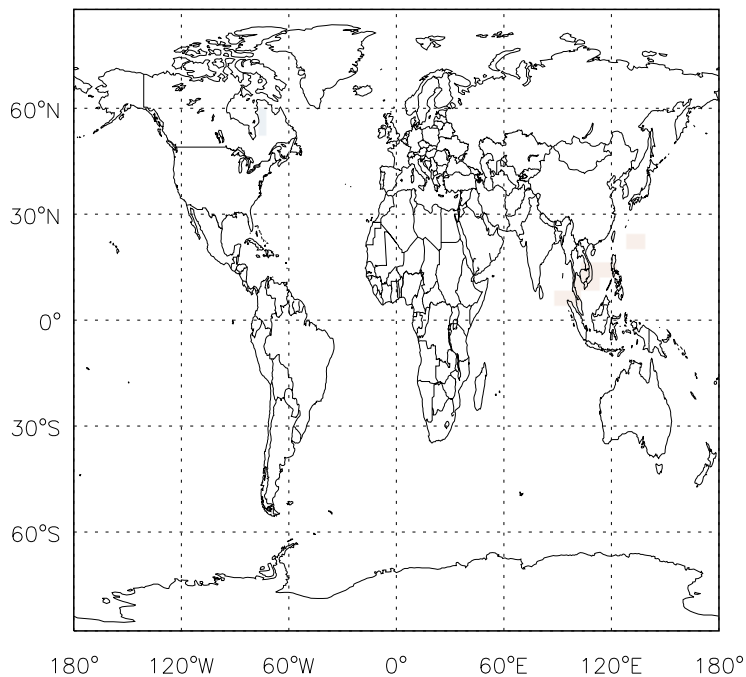
v11-01d-Run1 / v11-01b-Run0

OCPI / Ratio @ Surface for Apr



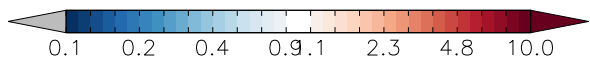
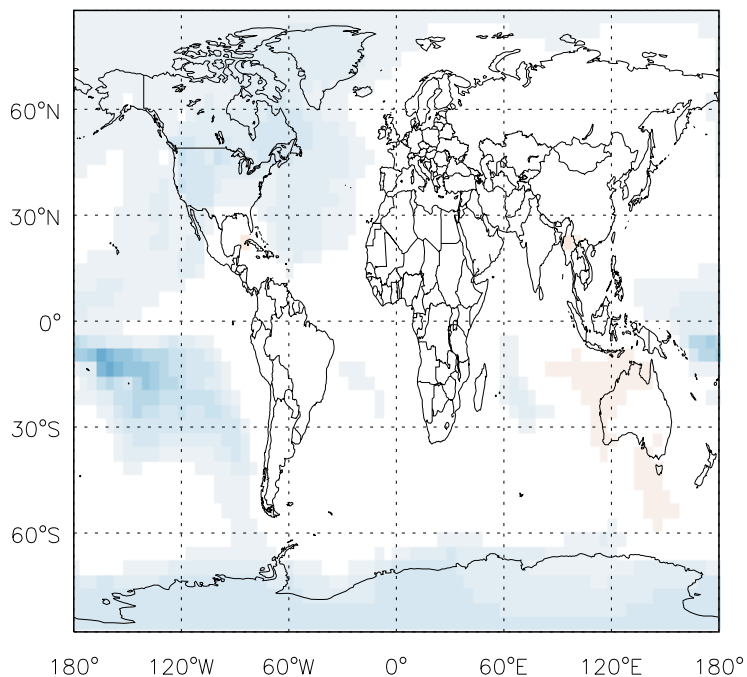
v11-01d-Run1 / v11-01b-Run0

OCPI / Ratio @ 500 hPa for Apr



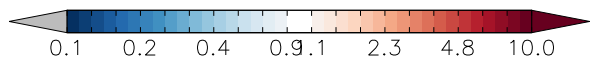
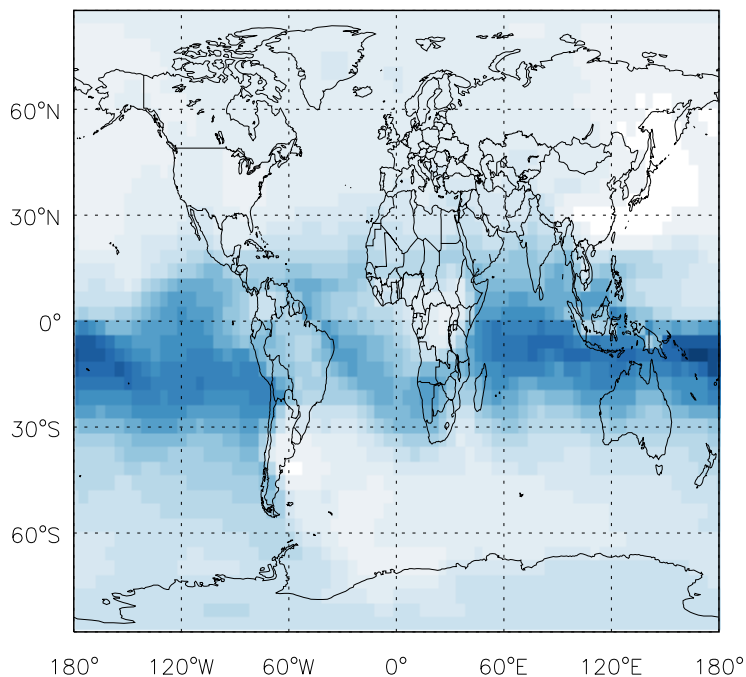
v11-01d-Run1 / v10-01-public-Run0

OCPI / Ratio @ Surface for Apr



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

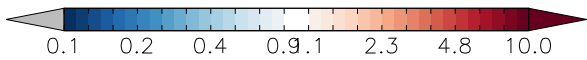
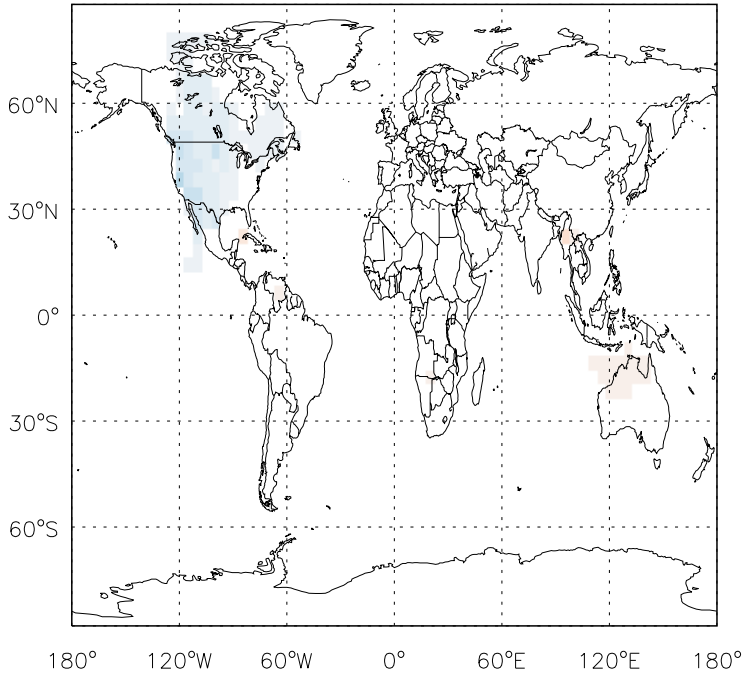
OCPI / Ratio @ 500 hPa for Apr



# GEOS-Chem Ratio Maps at surface and 500 hPa

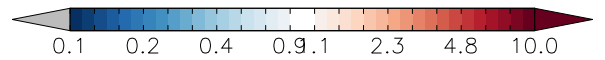
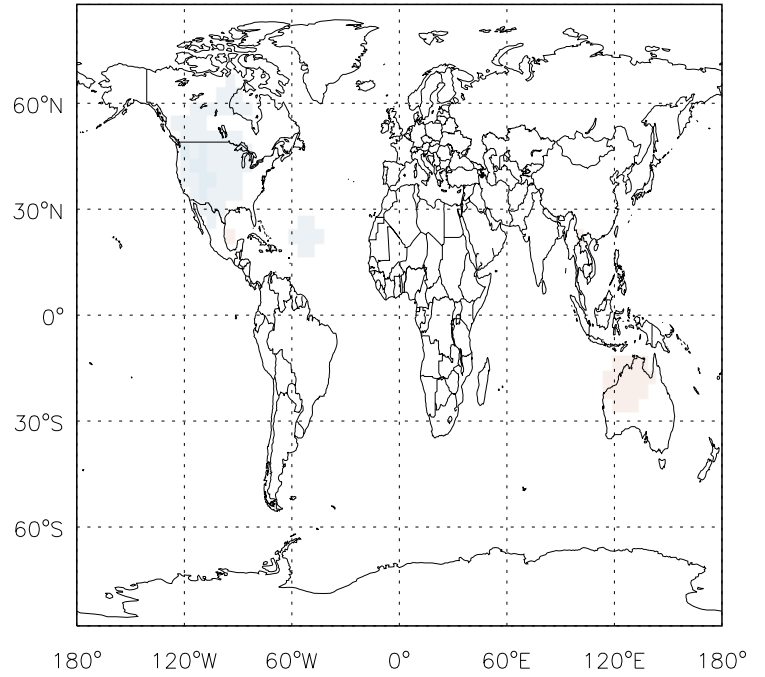
v11-01d-Run1 / v11-01b-Run0

BCPO / Ratio @ Surface for Apr



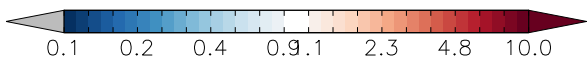
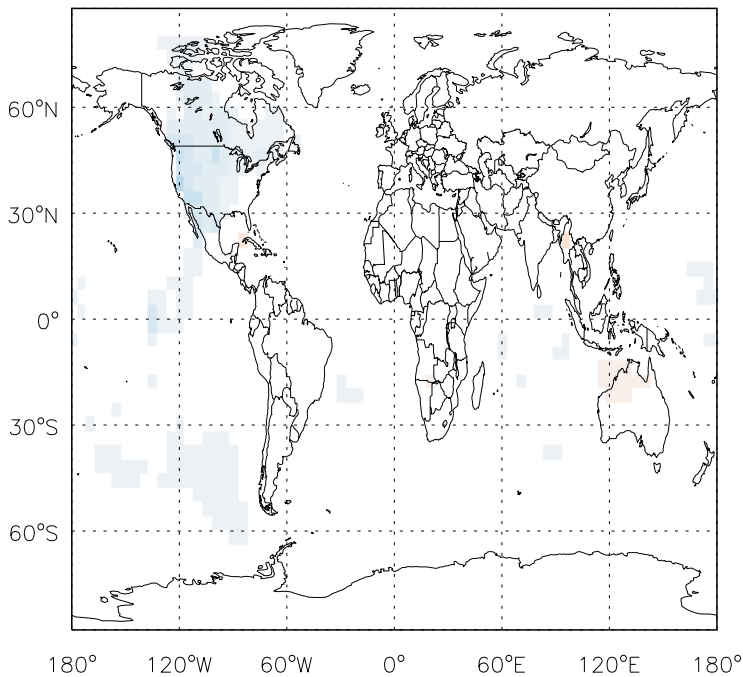
v11-01d-Run1 / v11-01b-Run0

BCPO/ Ratio @ 500 hPa for Apr



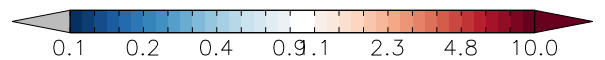
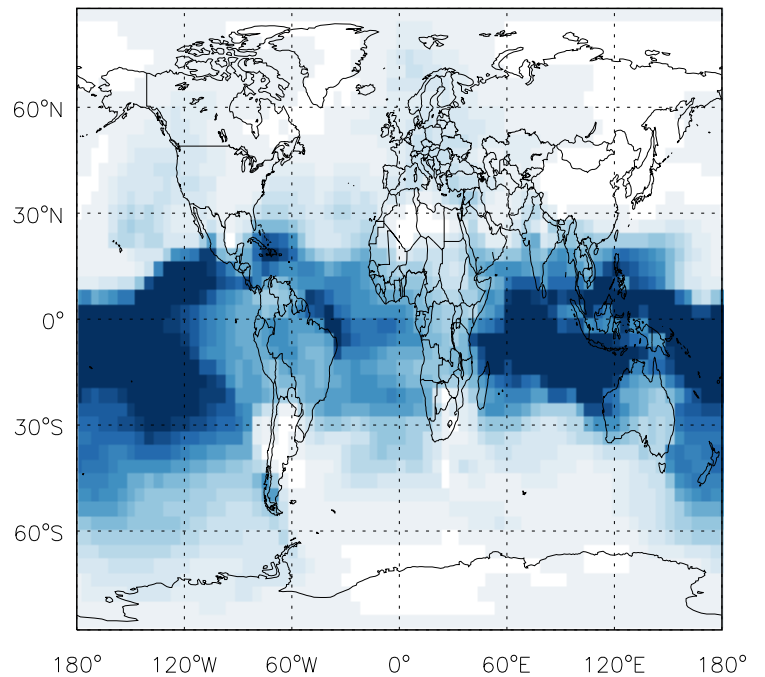
v11-01d-Run1 / v10-01-public-Run0

BCPO / Ratio @ Surface for Apr



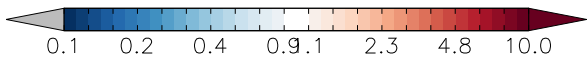
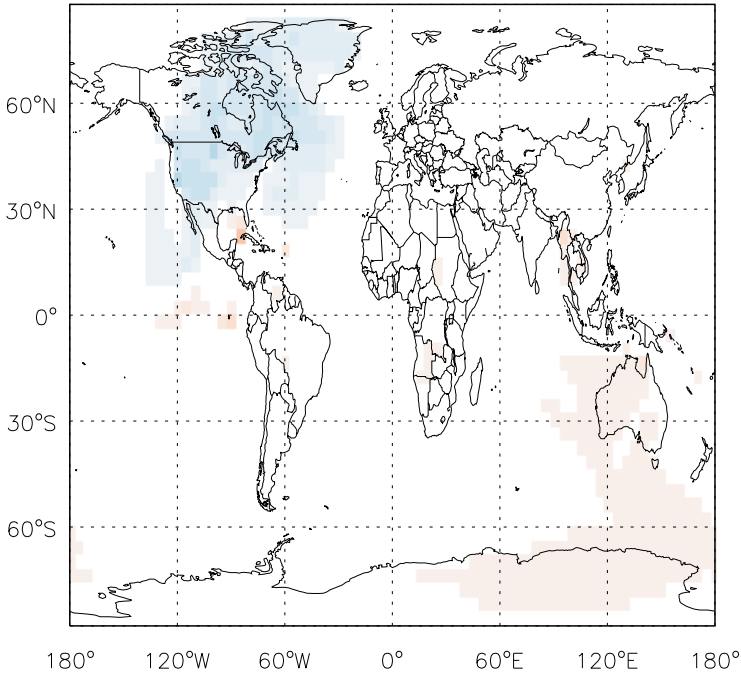
v11-01d-Run1 / v10-01-public-Run0

BCPO/ Ratio @ 500 hPa for Apr

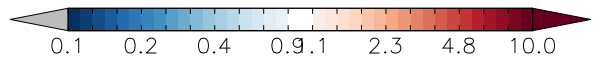
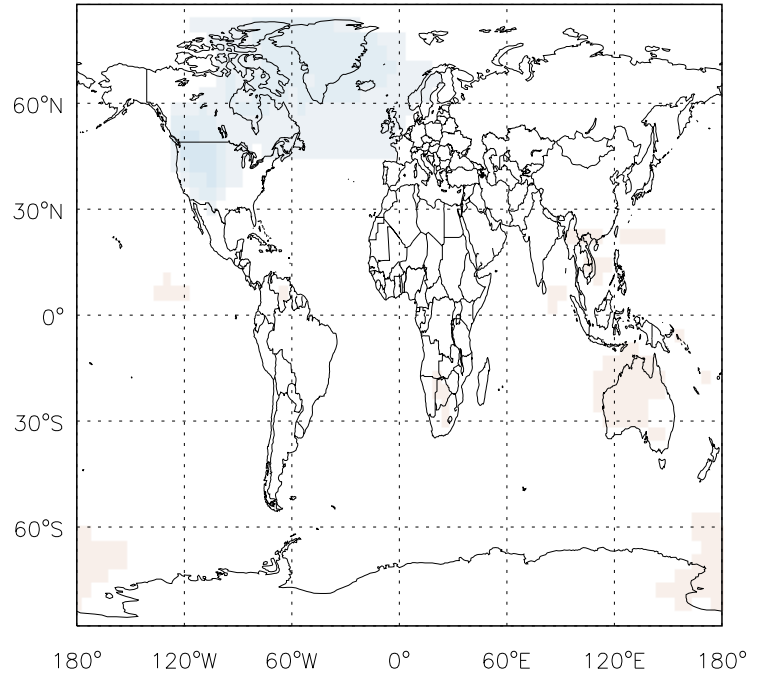


GEOS-Chem Ratio Maps at surface and 500 hPa

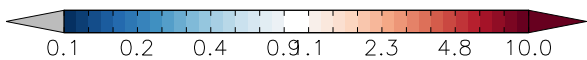
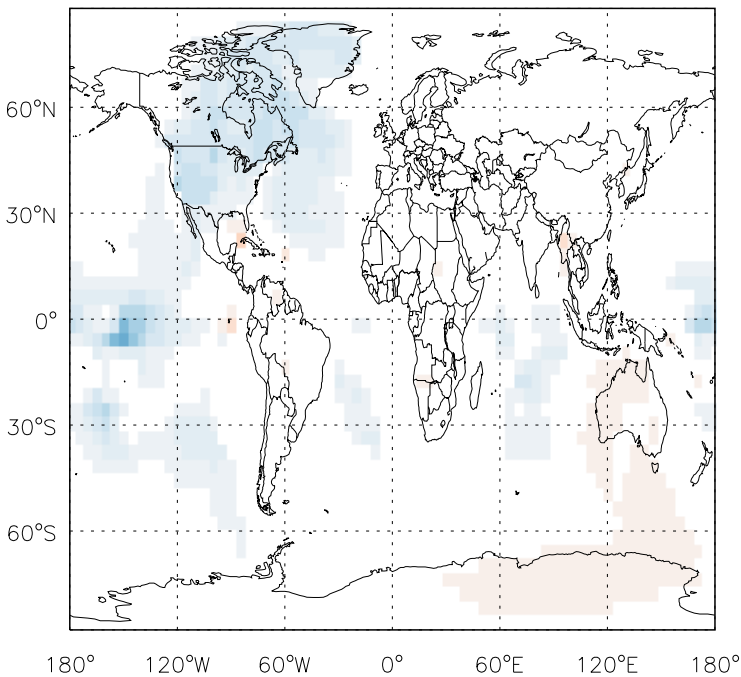
v11-01d-Run1 / v11-01b-Run0  
OCPO / Ratio @ Surface for Apr



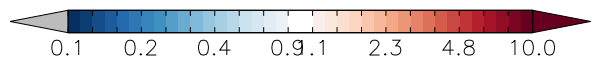
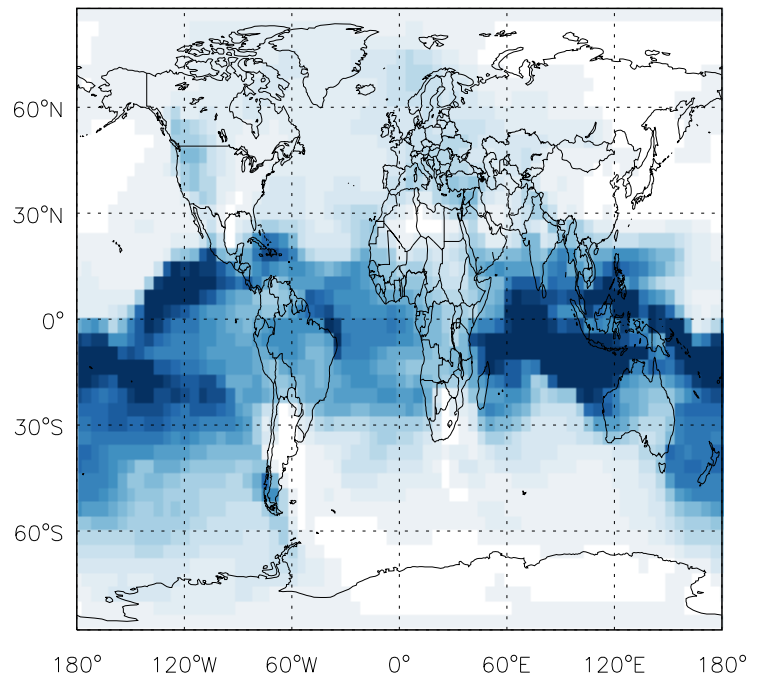
v11-01d-Run1 / v11-01b-Run0  
OCPO / Ratio @ 500 hPa for Apr



v11-01d-Run1 / v10-01-public-Run0  
OCPO / Ratio @ Surface for Apr



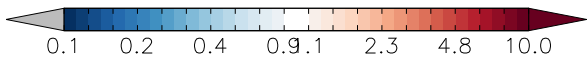
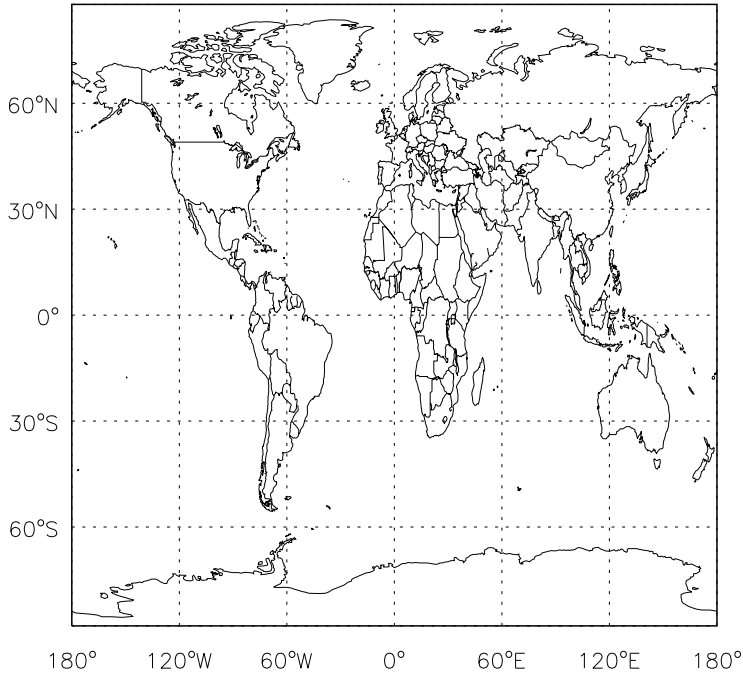
v11-01d-Run1 / v10-01-public-Run0  
OCPO / Ratio @ 500 hPa for Apr



# GEOS-Chem Ratio Maps at surface and 500 hPa

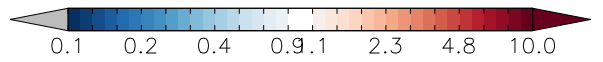
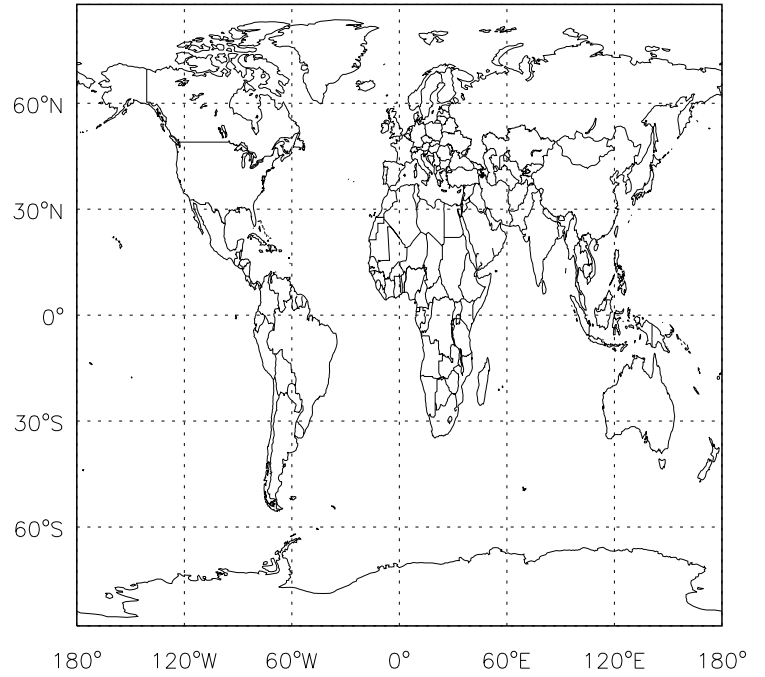
v11-01d-Run1 / v11-01b-Run0

DST1 / Ratio @ Surface for Apr



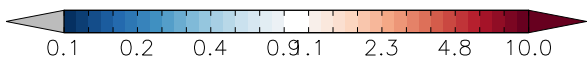
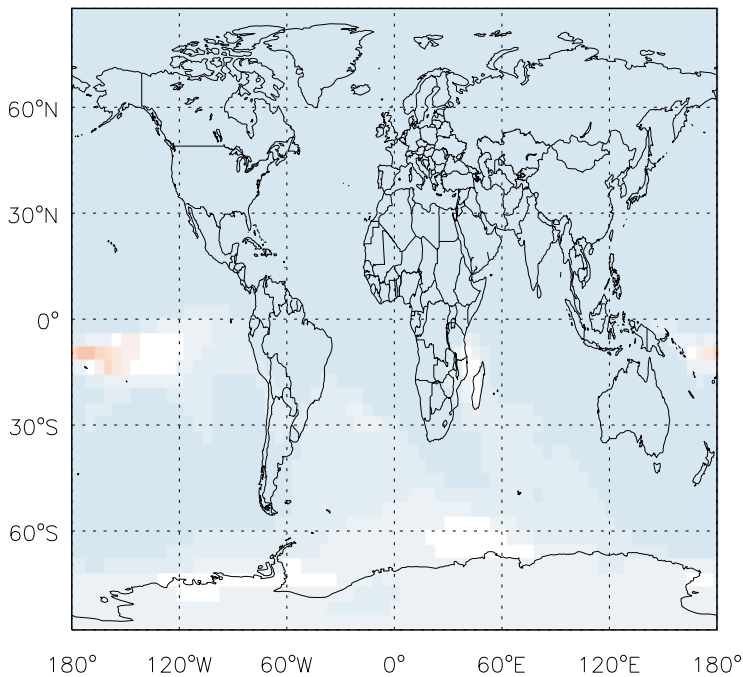
v11-01d-Run1 / v11-01b-Run0

DST1/ Ratio @ 500 hPa for Apr



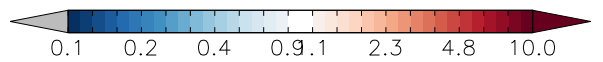
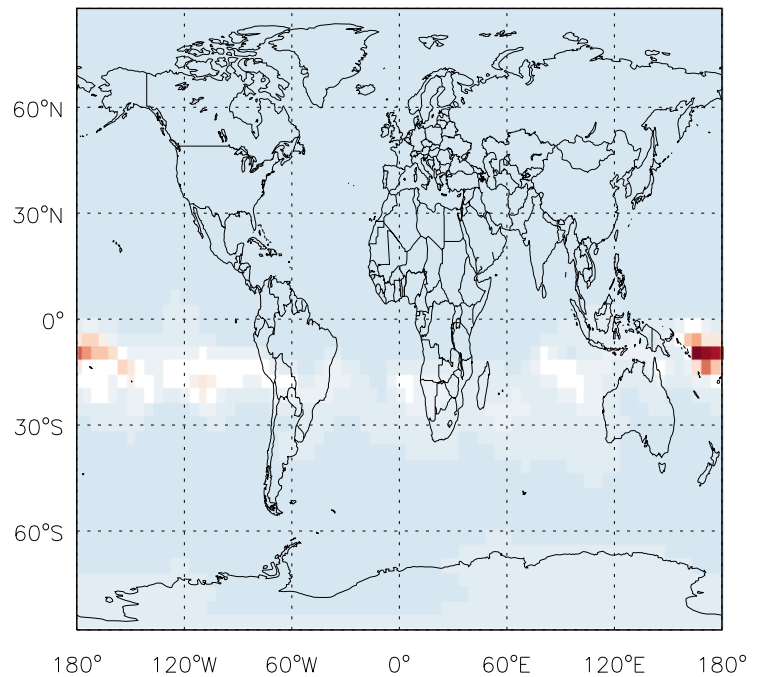
v11-01d-Run1 / v10-01-public-Run0

DST1 / Ratio @ Surface for Apr



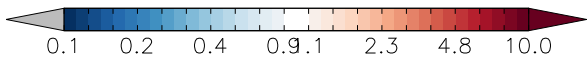
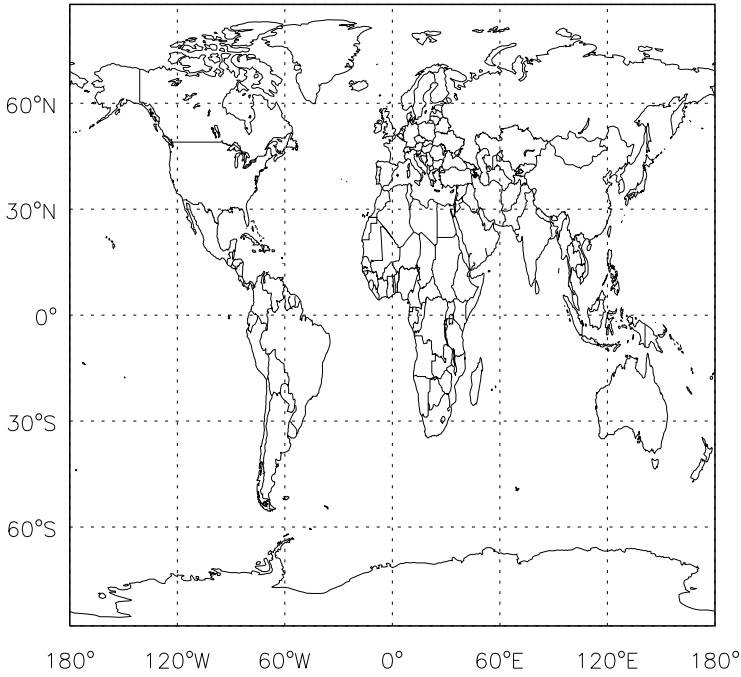
v11-01d-Run1 / v10-01-public-Run0

DST1/ Ratio @ 500 hPa for Apr

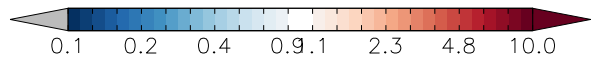
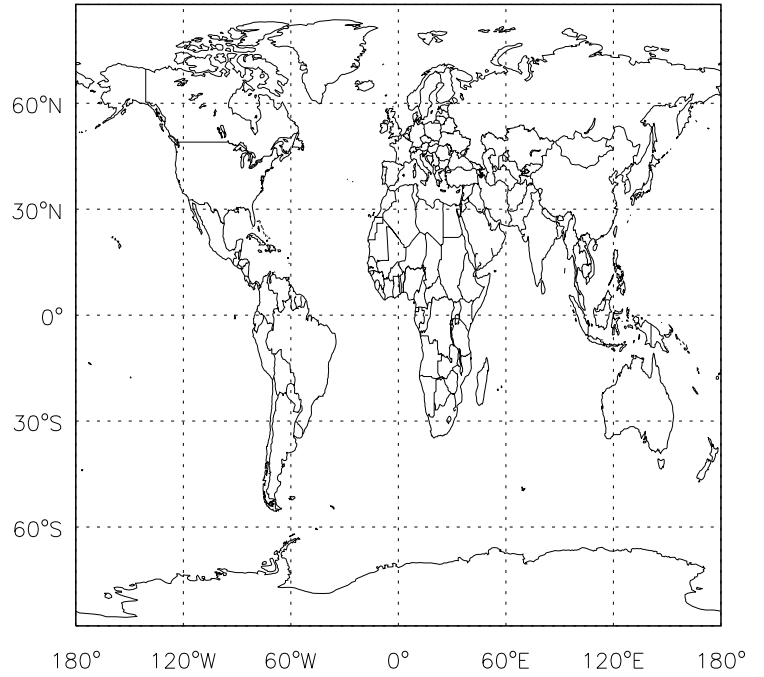


# GEOS-Chem Ratio Maps at surface and 500 hPa

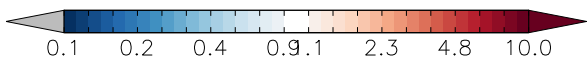
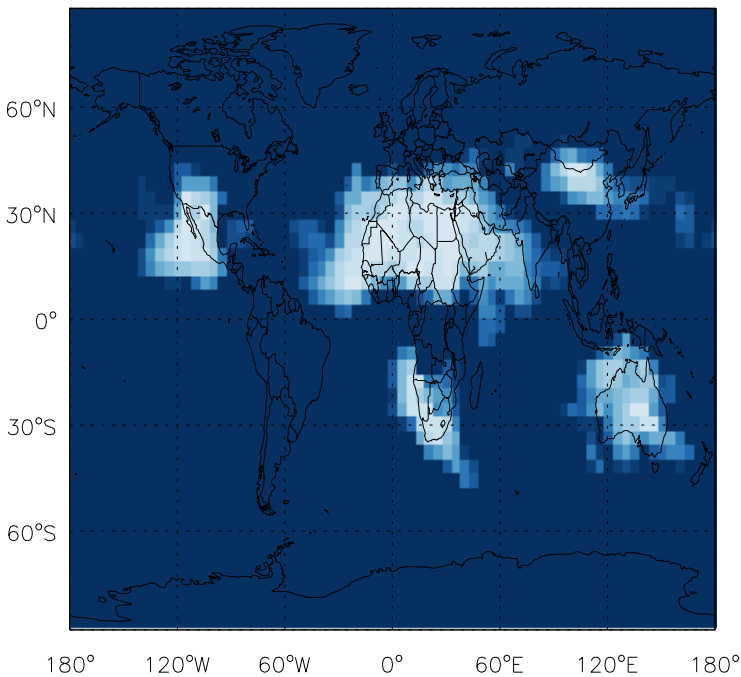
v11-01d-Run1 / v11-01b-Run0  
DST2 / Ratio @ Surface for Apr



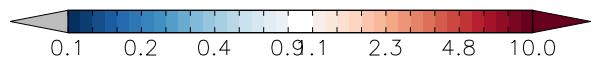
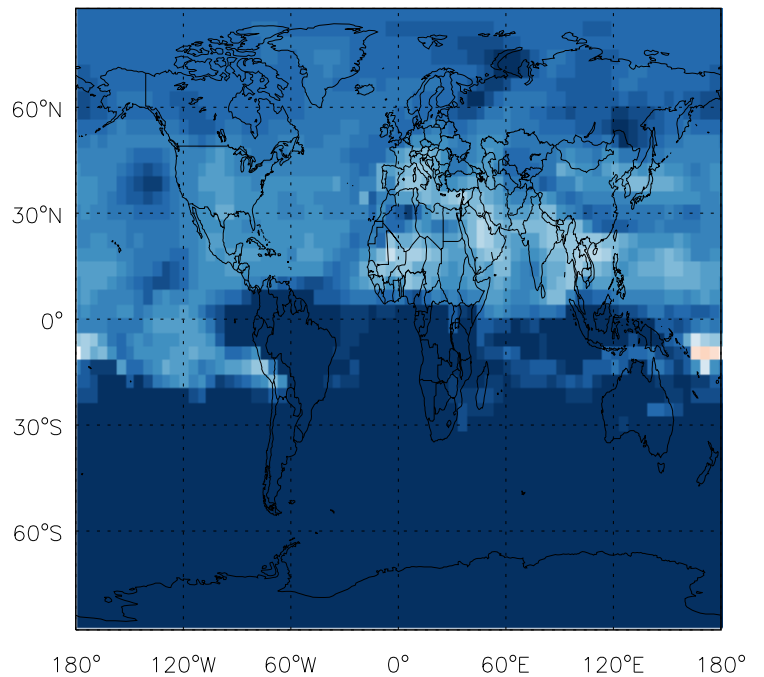
v11-01d-Run1 / v11-01b-Run0  
DST2 / Ratio @ 500 hPa for Apr



v11-01d-Run1 / v10-01-public-Run0  
DST2 / Ratio @ Surface for Apr



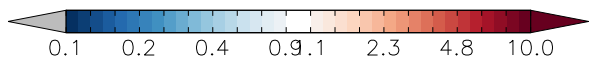
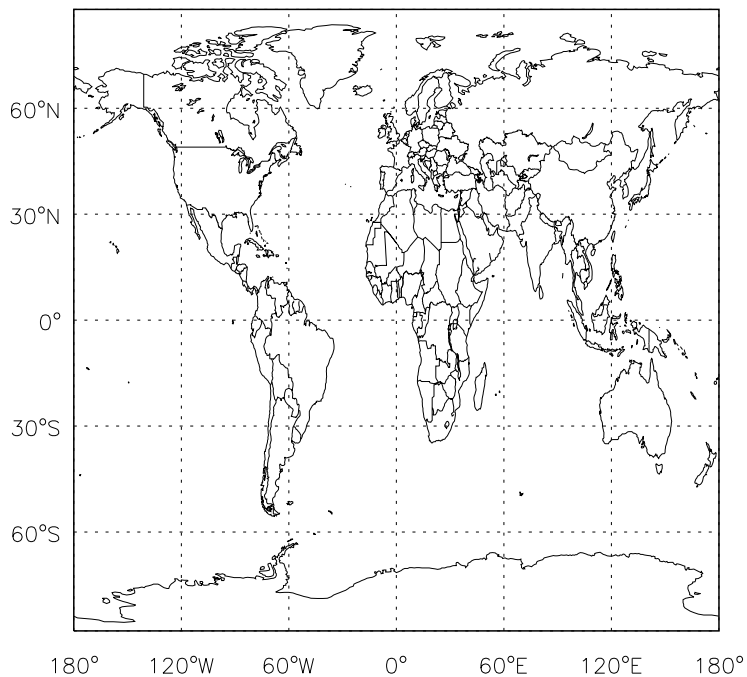
v11-01d-Run1 / v10-01-public-Run0  
DST2 / Ratio @ 500 hPa for Apr



# GEOS-Chem Ratio Maps at surface and 500 hPa

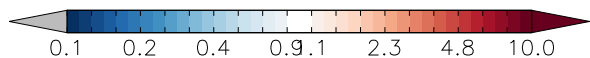
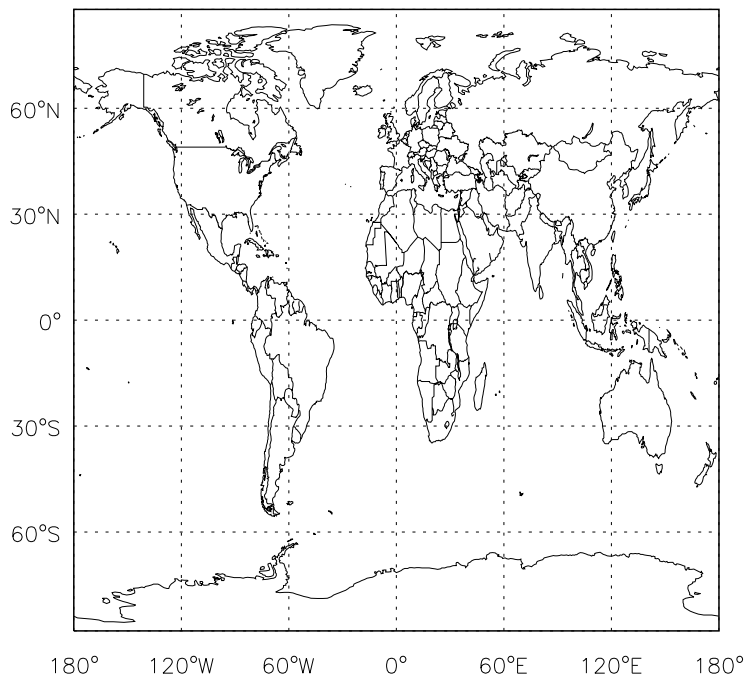
v11-01d-Run1 / v11-01b-Run0

DST3 / Ratio @ Surface for Apr



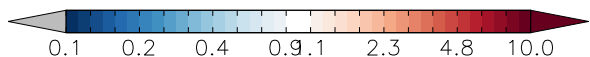
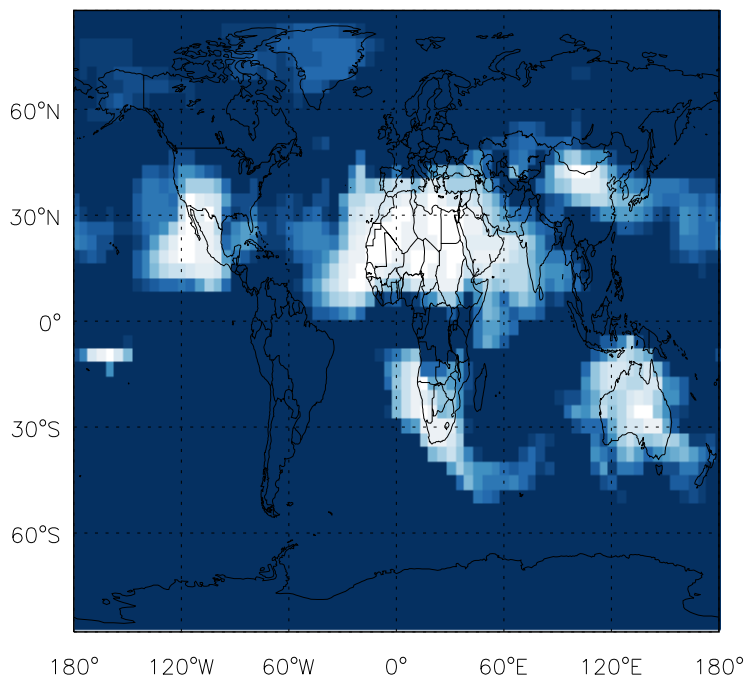
v11-01d-Run1 / v11-01b-Run0

DST3/ Ratio @ 500 hPa for Apr



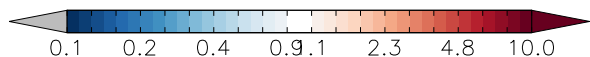
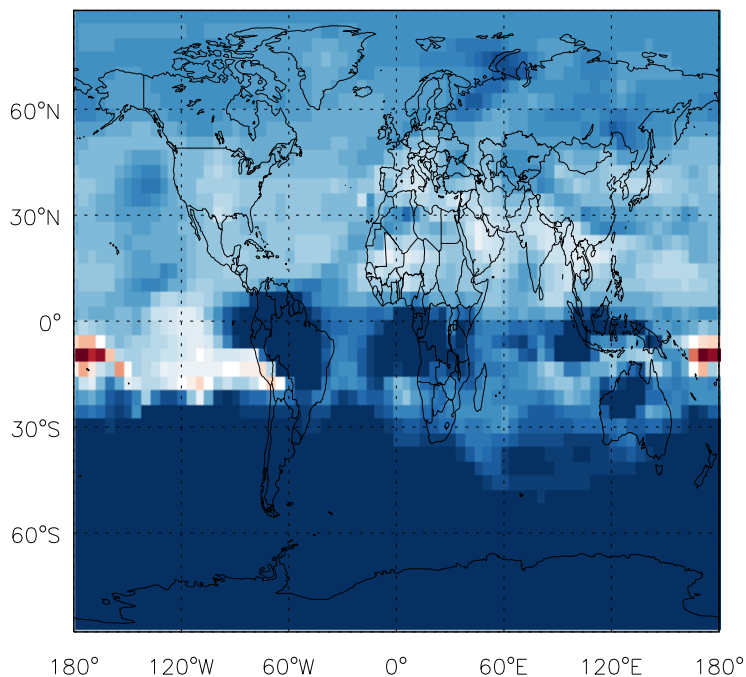
v11-01d-Run1 / v10-01-public-Run0

DST3 / Ratio @ Surface for Apr



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

DST3/ Ratio @ 500 hPa for Apr

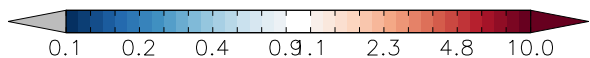
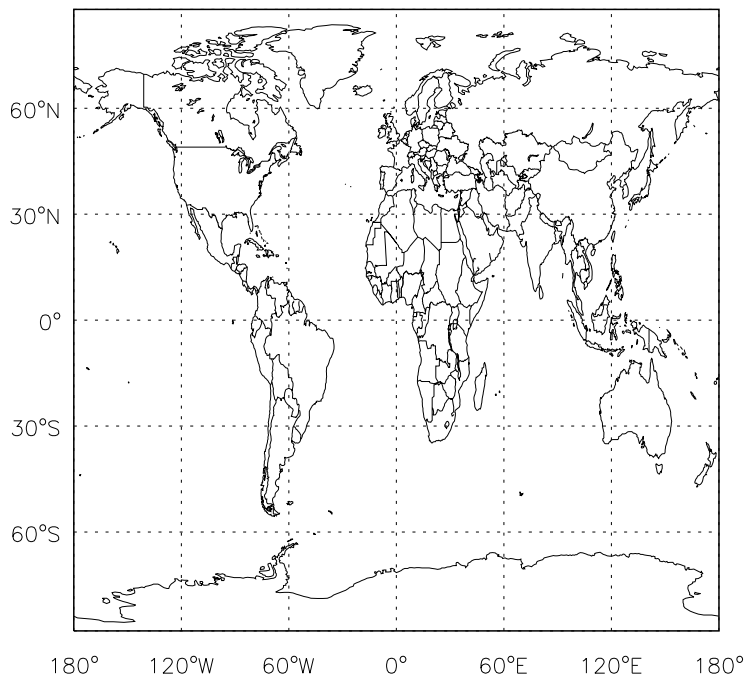




# GEOS-Chem Ratio Maps at surface and 500 hPa

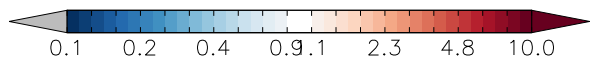
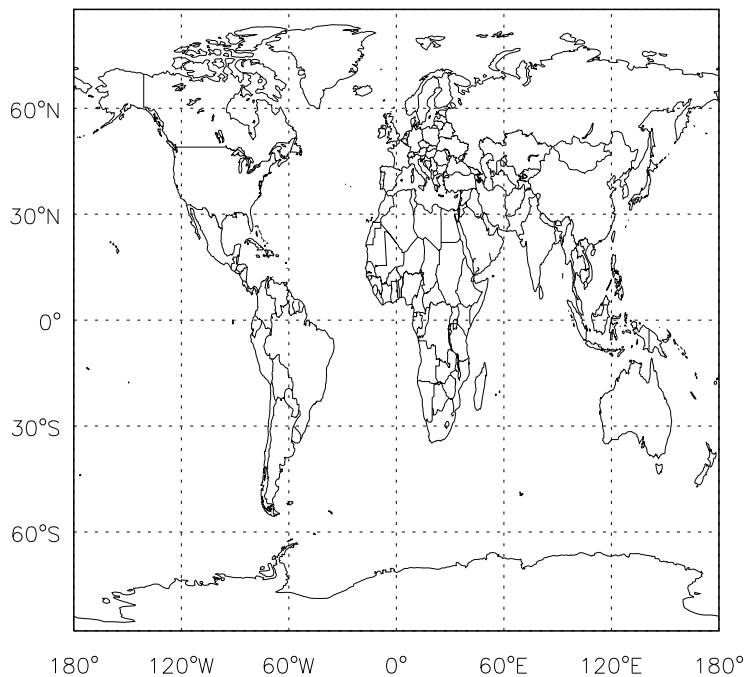
v11-01d-Run1 / v11-01b-Run0

DST4 / Ratio @ Surface for Apr



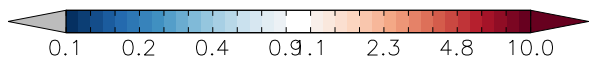
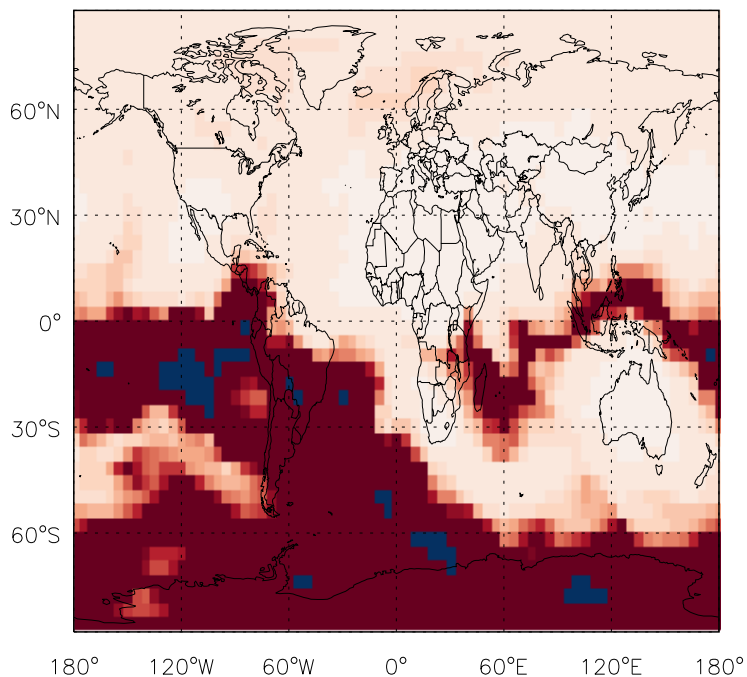
v11-01d-Run1 / v11-01b-Run0

DST4/ Ratio @ 500 hPa for Apr



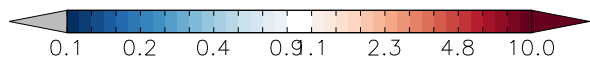
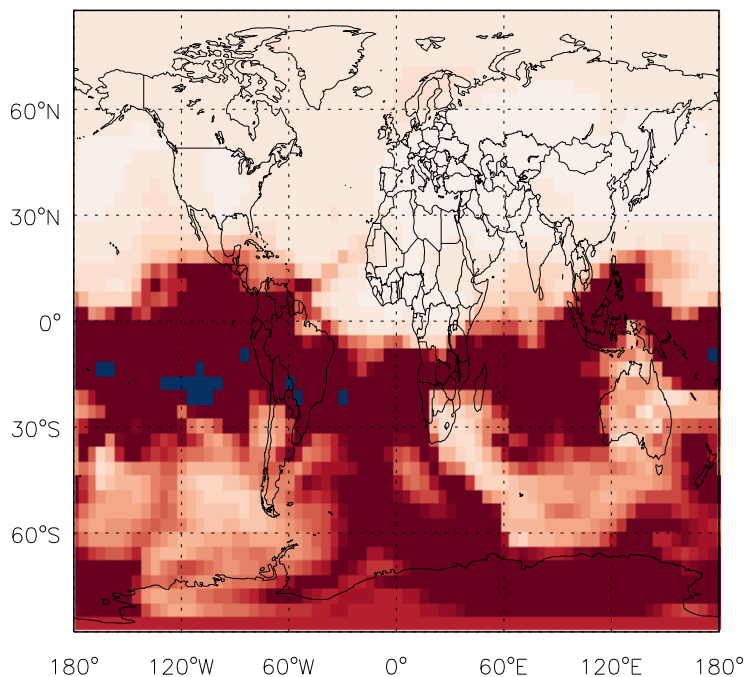
v11-01d-Run1 / v10-01-public-Run0

DST4 / Ratio @ Surface for Apr



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

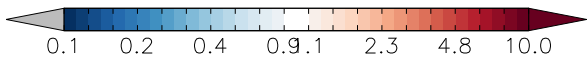
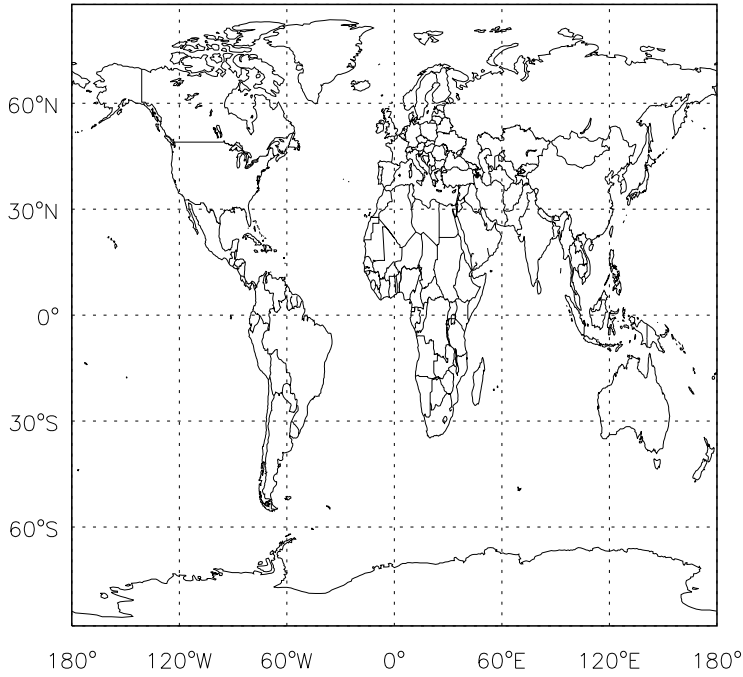
DST4/ Ratio @ 500 hPa for Apr



# GEOS-Chem Ratio Maps at surface and 500 hPa

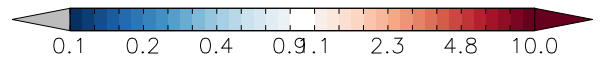
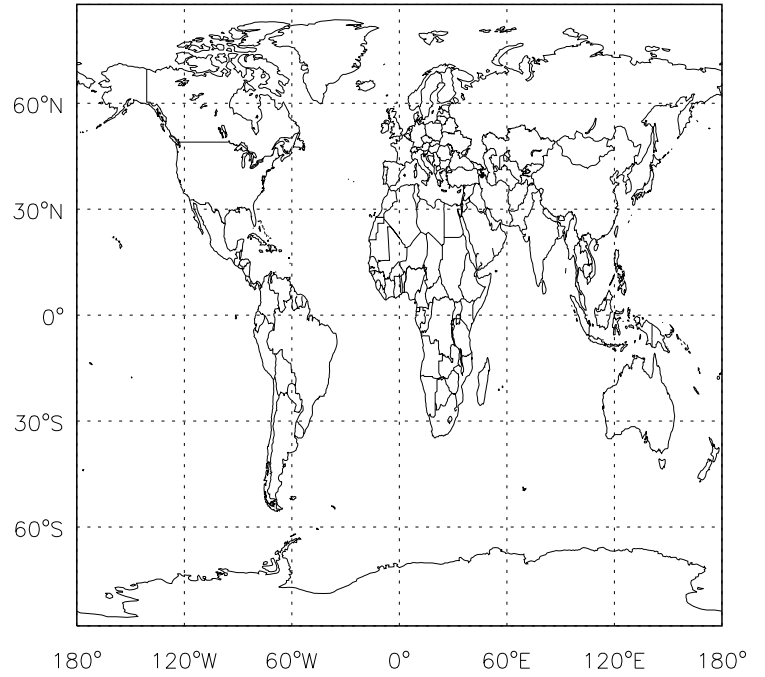
v11-01d-Run1 / v11-01b-Run0

SALA / Ratio @ Surface for Apr



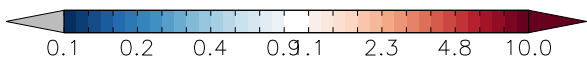
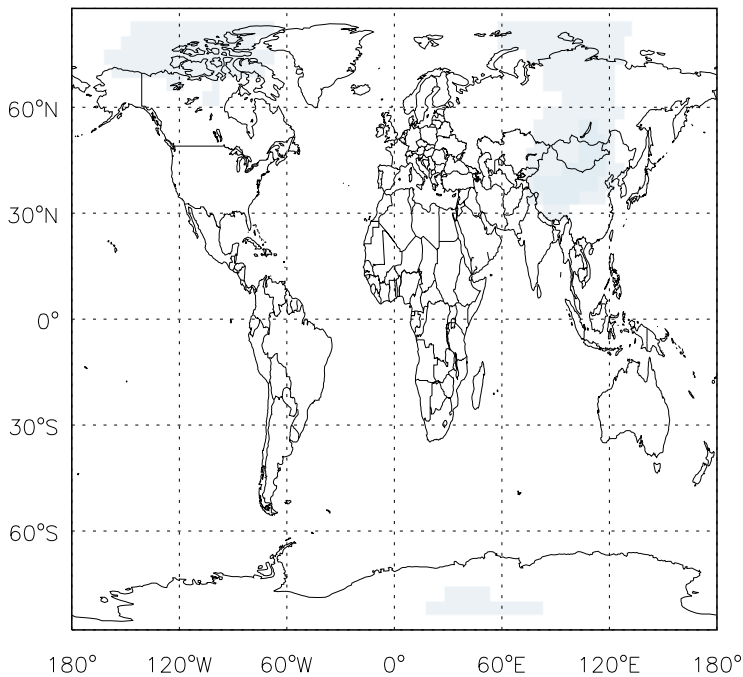
v11-01d-Run1 / v11-01b-Run0

SALA/ Ratio @ 500 hPa for Apr



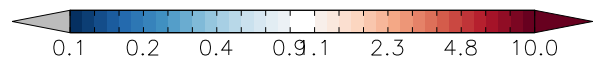
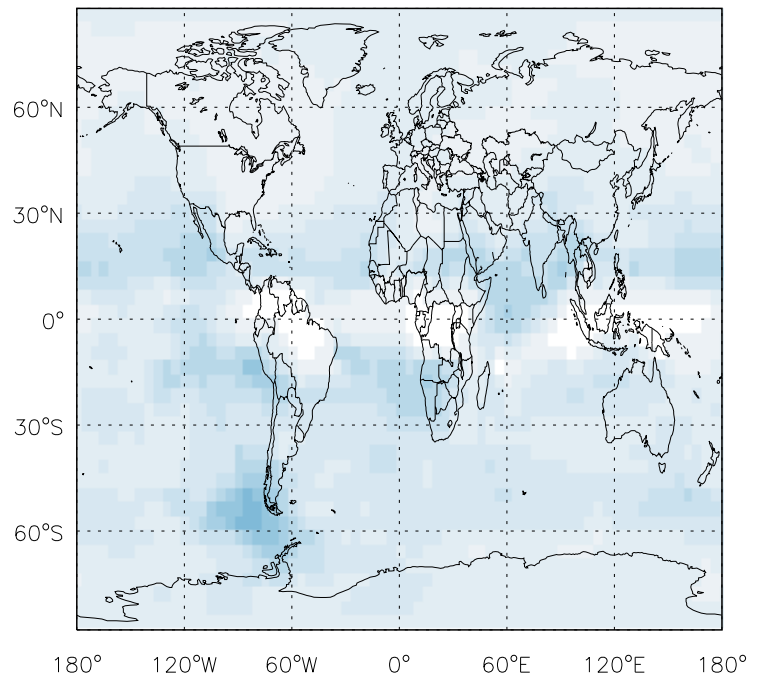
v11-01d-Run1 / v10-01-public-Run0

SALA / Ratio @ Surface for Apr



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

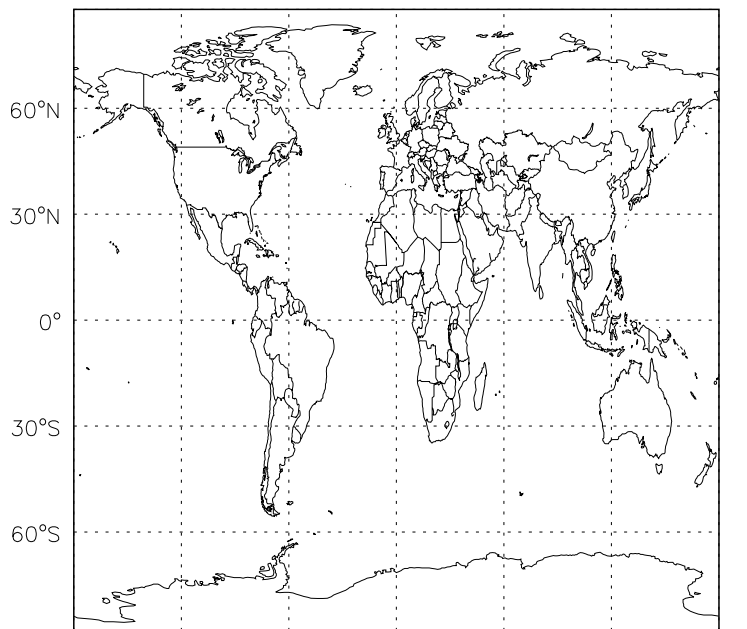
SALA/ Ratio @ 500 hPa for Apr



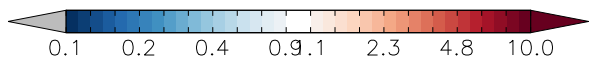
# GEOS-Chem Ratio Maps at surface and 500 hPa

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

SALC / Ratio @ Surface for Apr

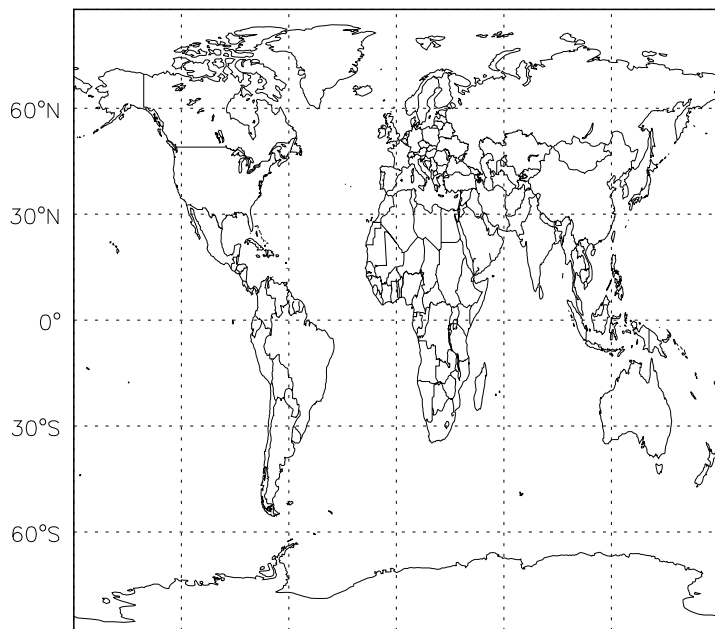


180° 120°W 60°W 0° 60°E 120°E 180°

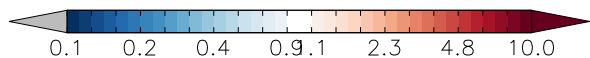


v11-01d-Run1 / v11-01b-Run0

SALC/ Ratio @ 500 hPa for Apr

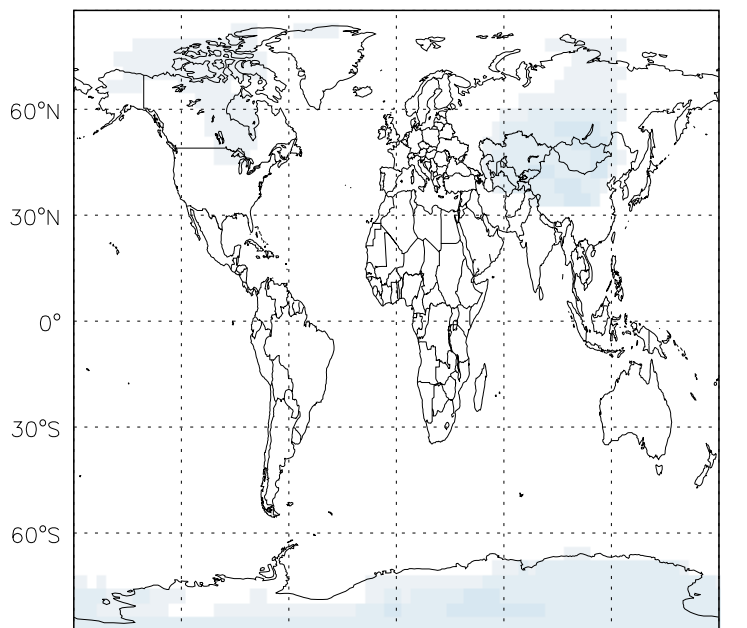


180° 120°W 60°W 0° 60°E 120°E 180°

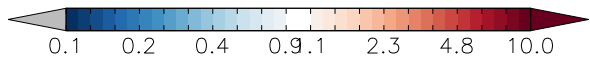


v11-01d-Run1 / v10-01-public-Run0

SALC / Ratio @ Surface for Apr

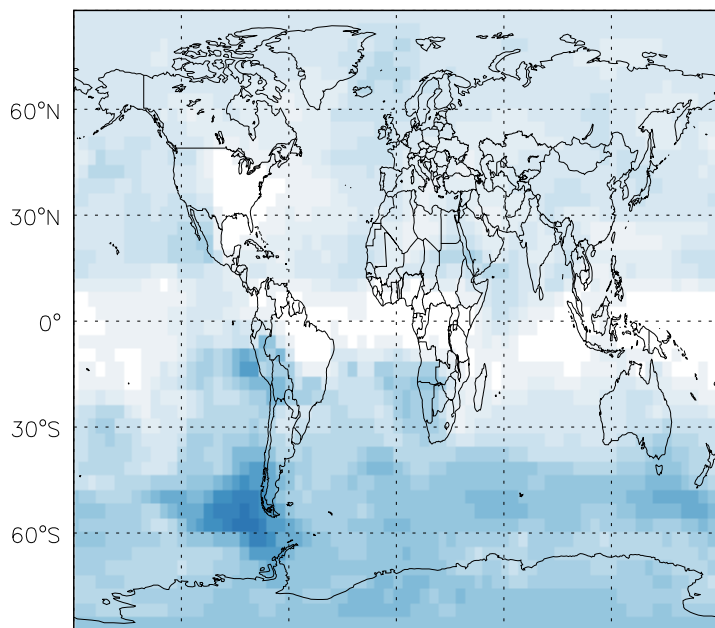


180° 120°W 60°W 0° 60°E 120°E 180°

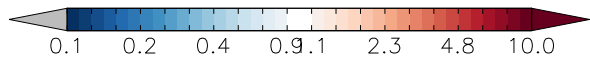


v11-01d-Run1 / v10-01-public-Run0

SALC/ Ratio @ 500 hPa for Apr



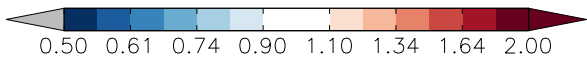
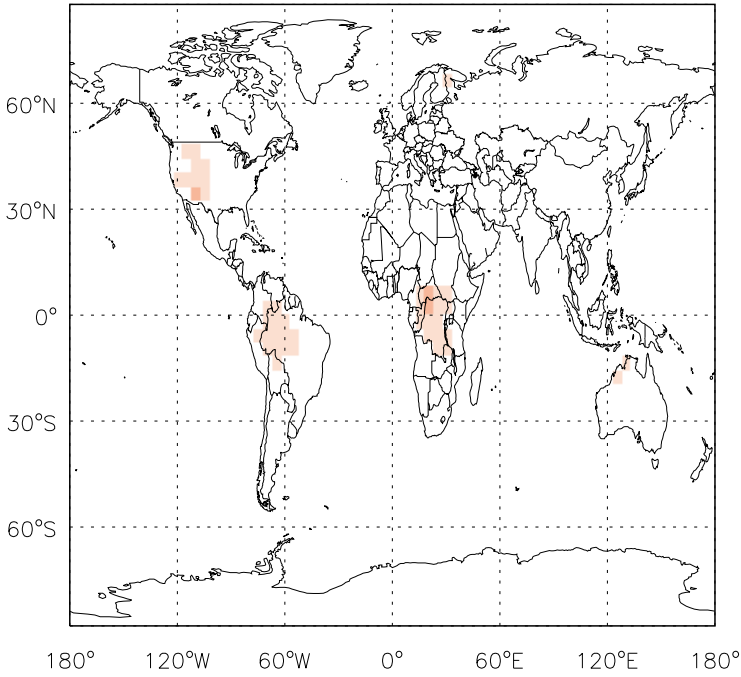
180° 120°W 60°W 0° 60°E 120°E 180°



GEOS-Chem Ratio Maps at surface and 500 hPa

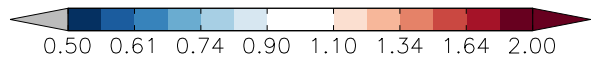
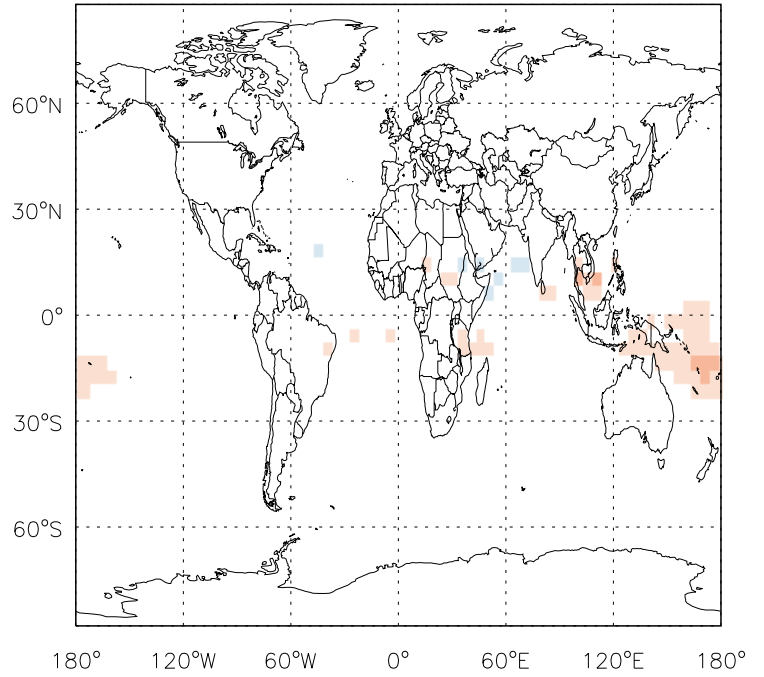
v11-01d-Run1 / v11-01b-Run0

Br2 / Ratio @ Surface for Apr



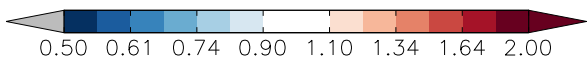
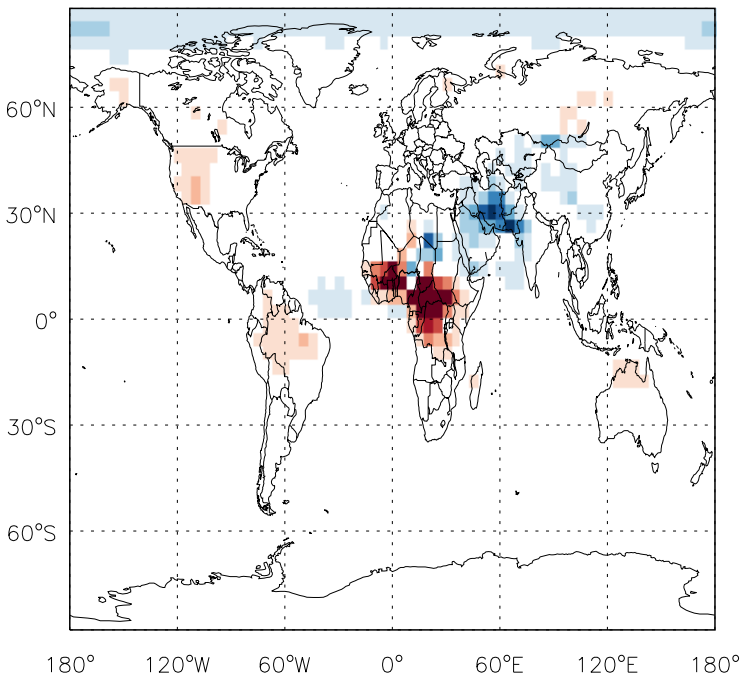
v11-01d-Run1 / v11-01b-Run0

Br2 / Ratio @ 500 hPa for Apr



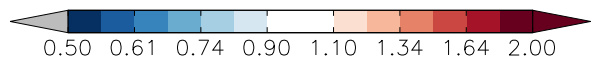
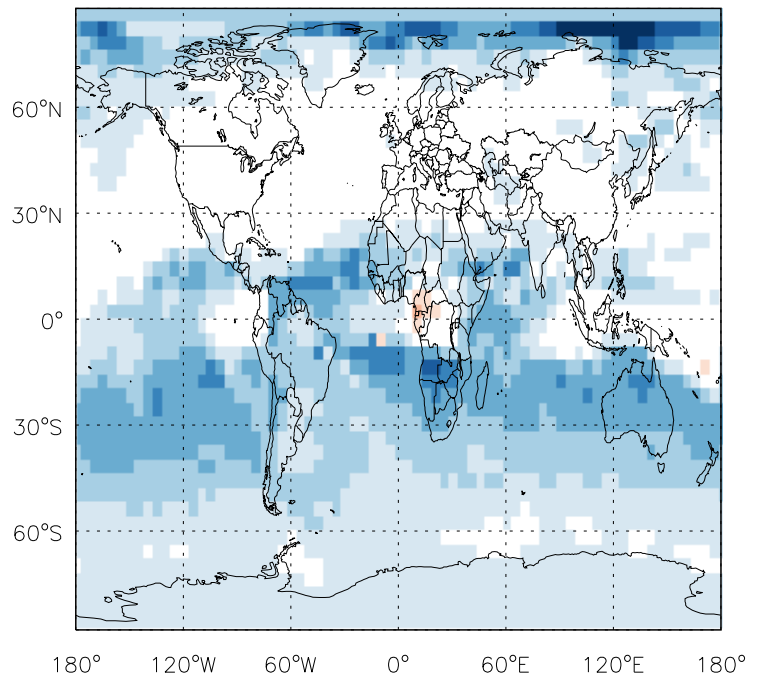
v11-01d-Run1 / v10-01-public-Run0

Br2 / Ratio @ Surface for Apr



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

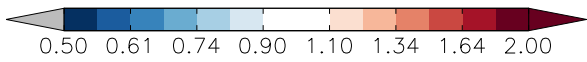
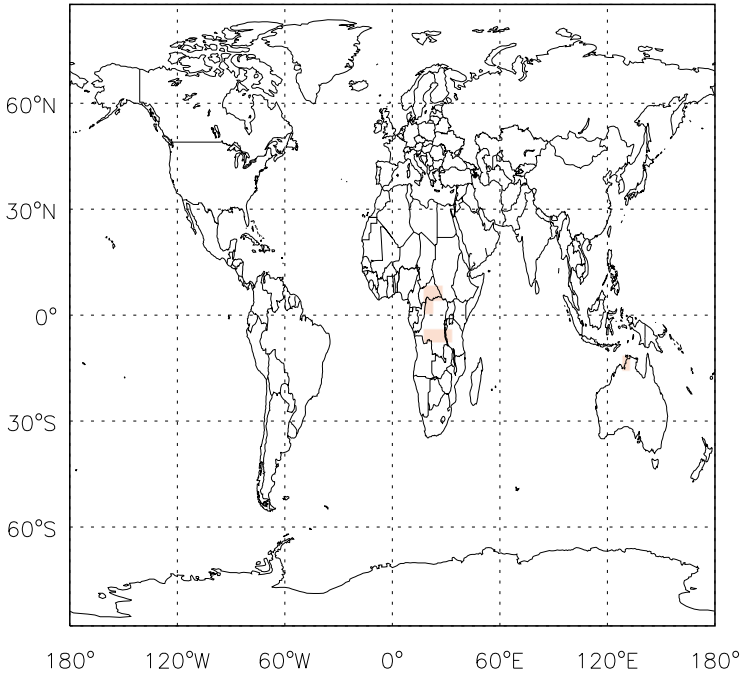
Br2 / Ratio @ 500 hPa for Apr



GEOS-Chem Ratio Maps at surface and 500 hPa

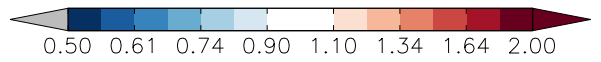
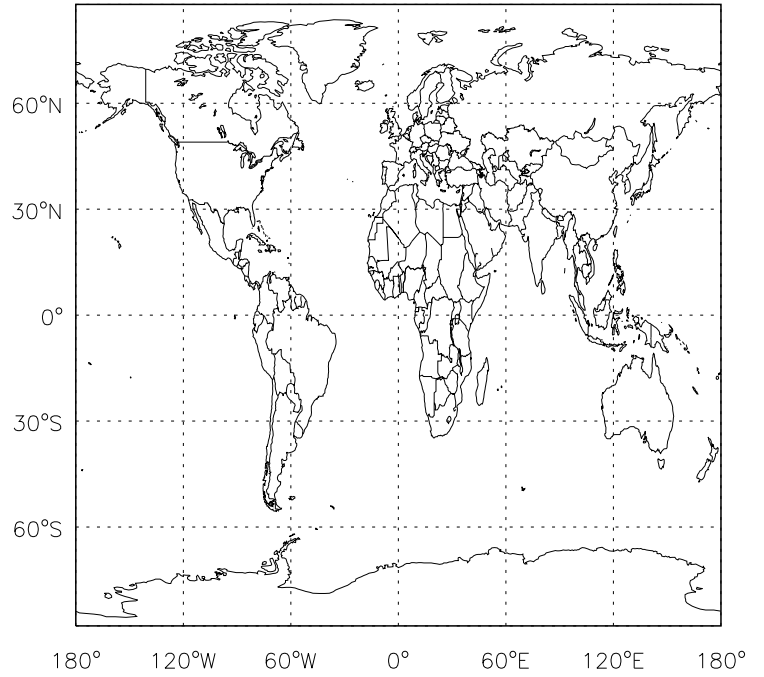
v11-01d-Run1 / v11-01b-Run0

Br / Ratio @ Surface for Apr



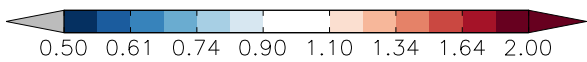
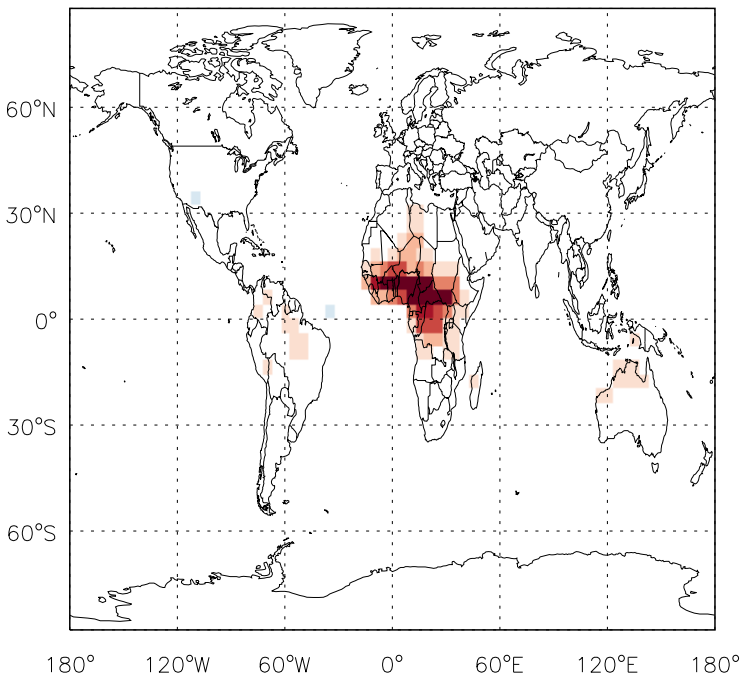
v11-01d-Run1 / v11-01b-Run0

Br / Ratio @ 500 hPa for Apr



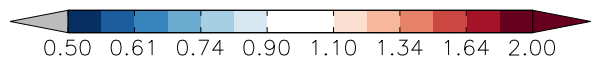
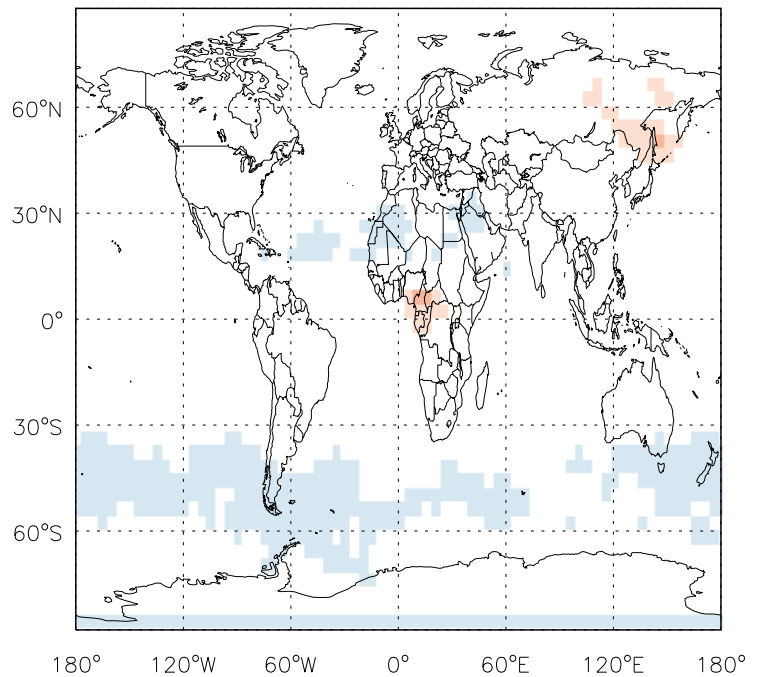
v11-01d-Run1 / v10-01-public-Run0

Br / Ratio @ Surface for Apr



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

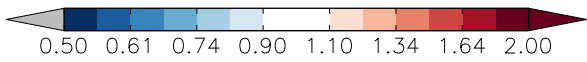
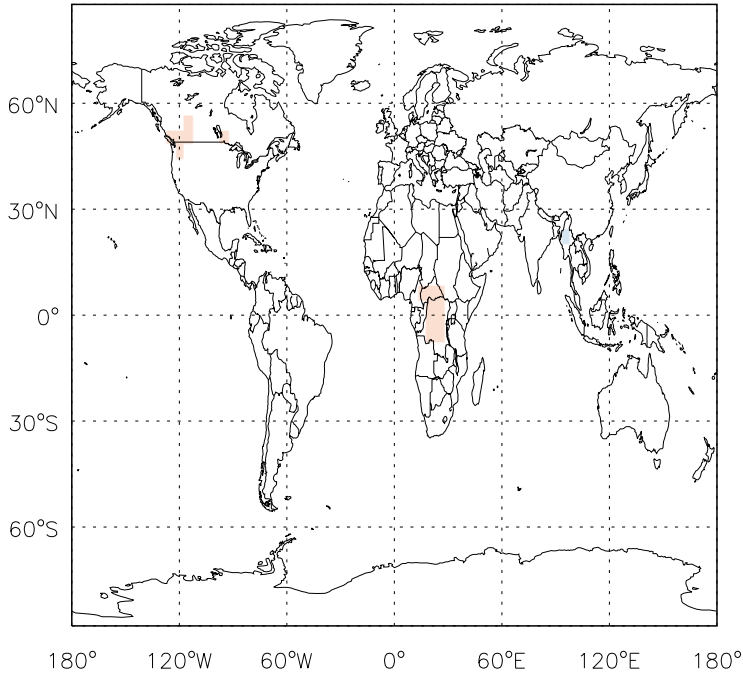
Br / Ratio @ 500 hPa for Apr



# GEOS-Chem Ratio Maps at surface and 500 hPa

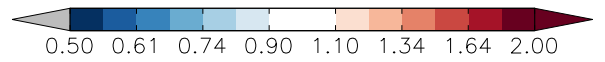
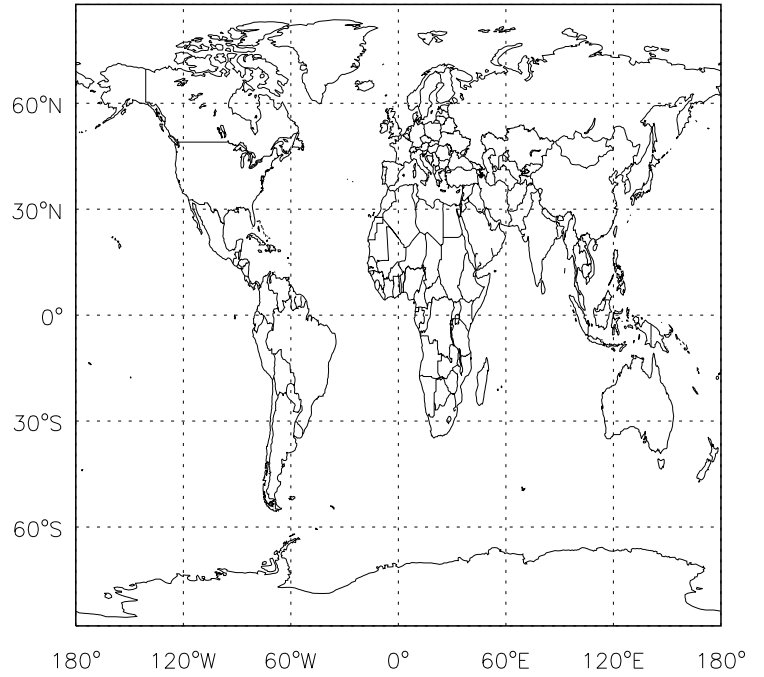
v11-01d-Run1 / v11-01b-Run0

BrO / Ratio @ Surface for Apr



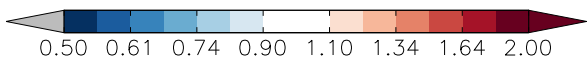
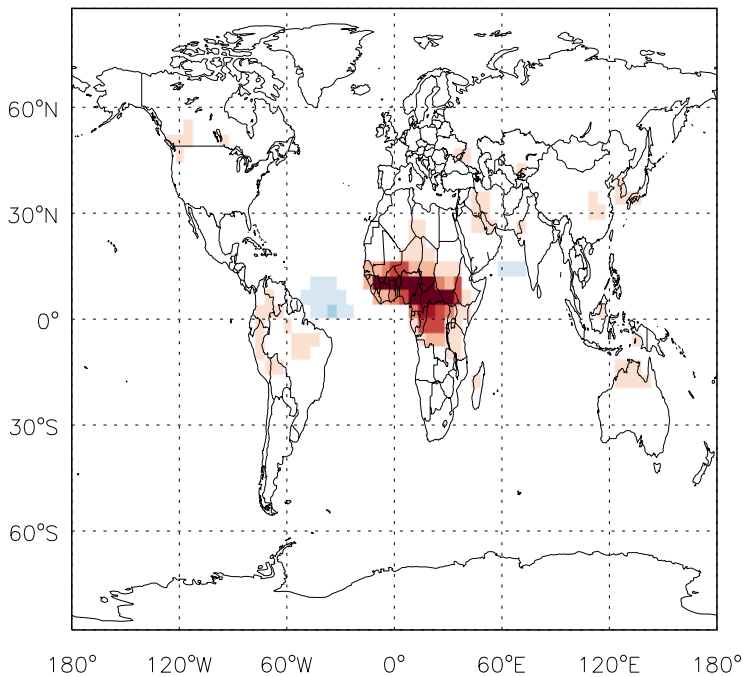
v11-01d-Run1 / v11-01b-Run0

BrO / Ratio @ 500 hPa for Apr



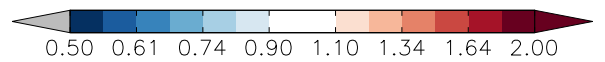
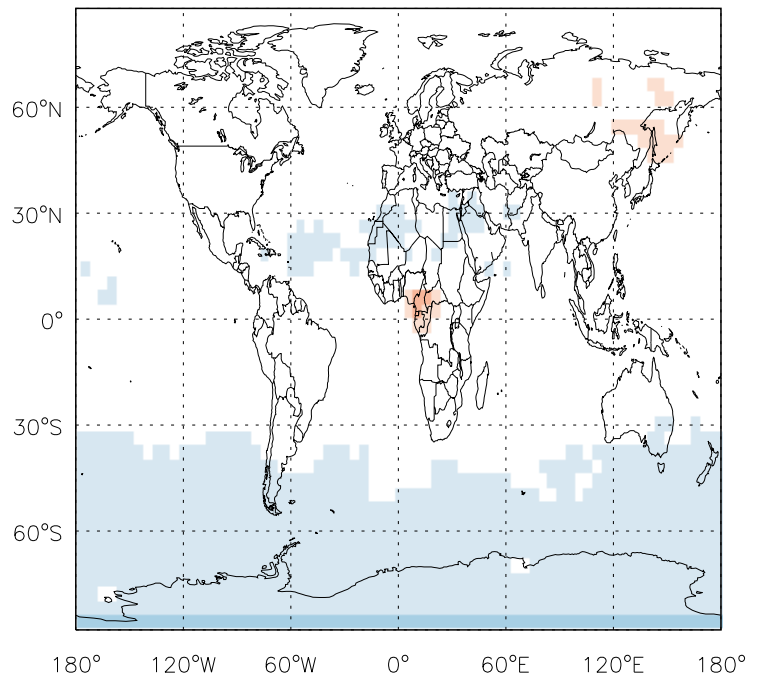
v11-01d-Run1 / v10-01-public-Run0

BrO / Ratio @ Surface for Apr



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

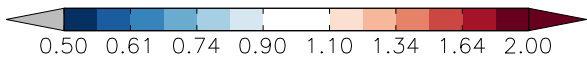
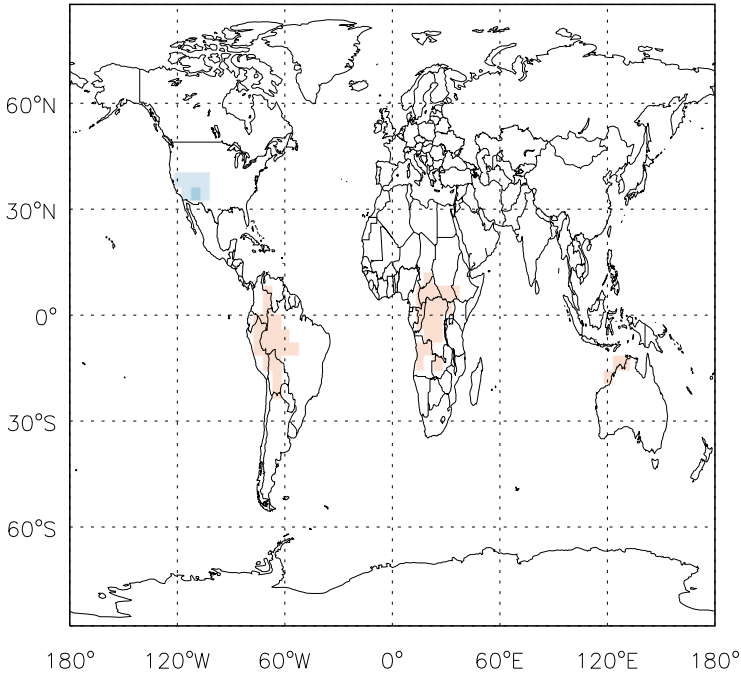
BrO / Ratio @ 500 hPa for Apr



# GEOS-Chem Ratio Maps at surface and 500 hPa

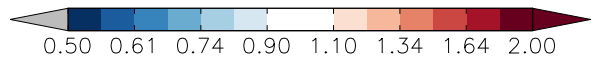
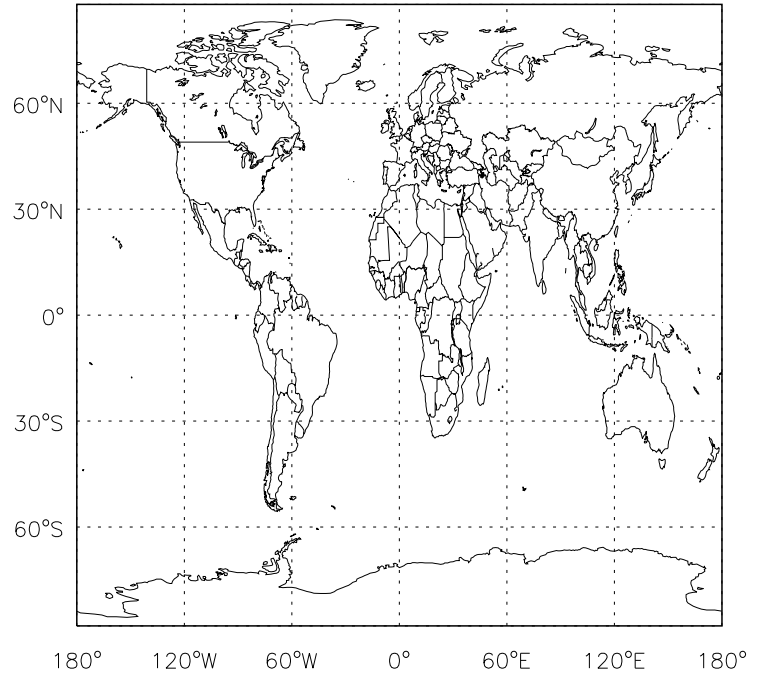
v11-01d-Run1 / v11-01b-Run0

H0Br / Ratio @ Surface for Apr



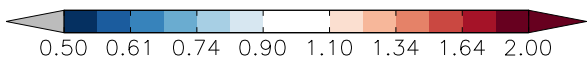
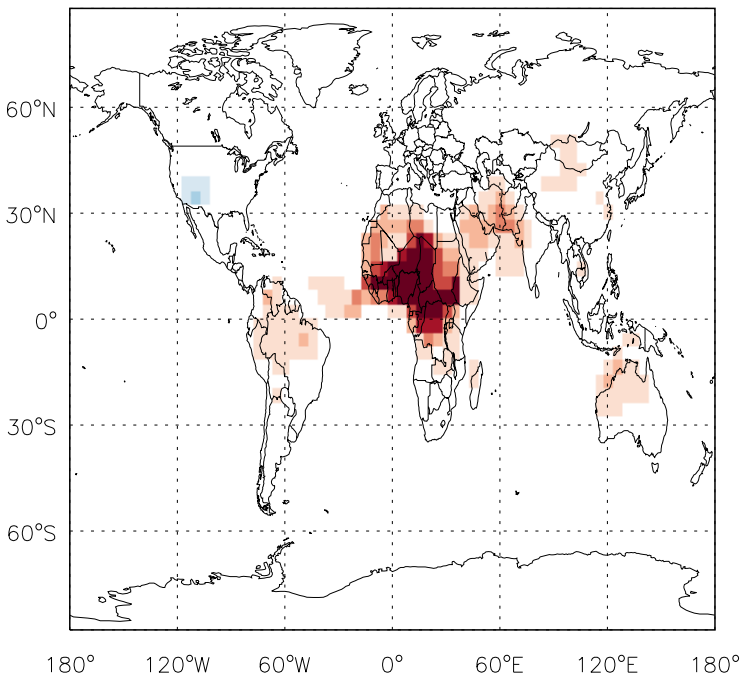
v11-01d-Run1 / v11-01b-Run0

H0Br/ Ratio @ 500 hPa for Apr



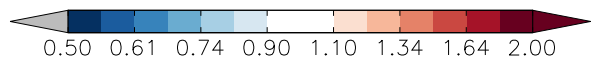
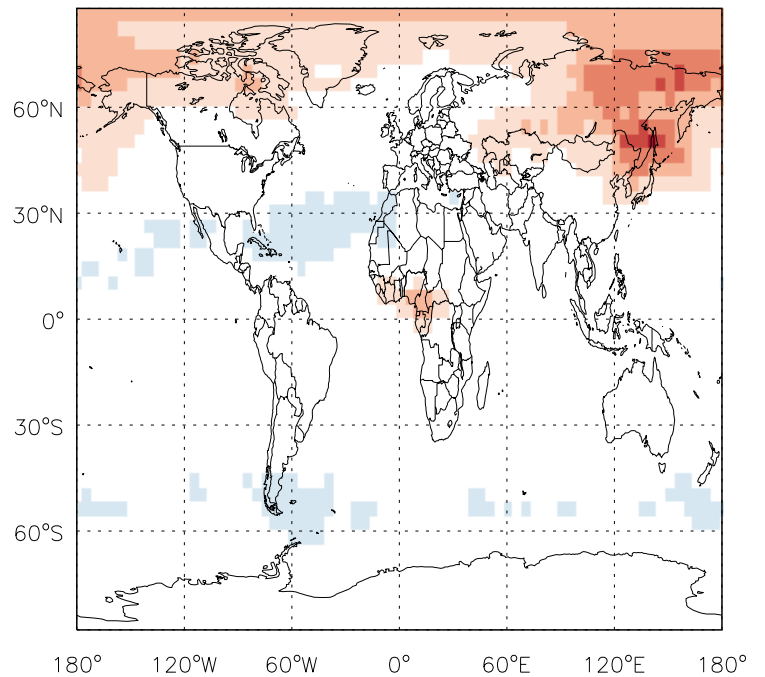
v11-01d-Run1 / v10-01-public-Run0

H0Br / Ratio @ Surface for Apr



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

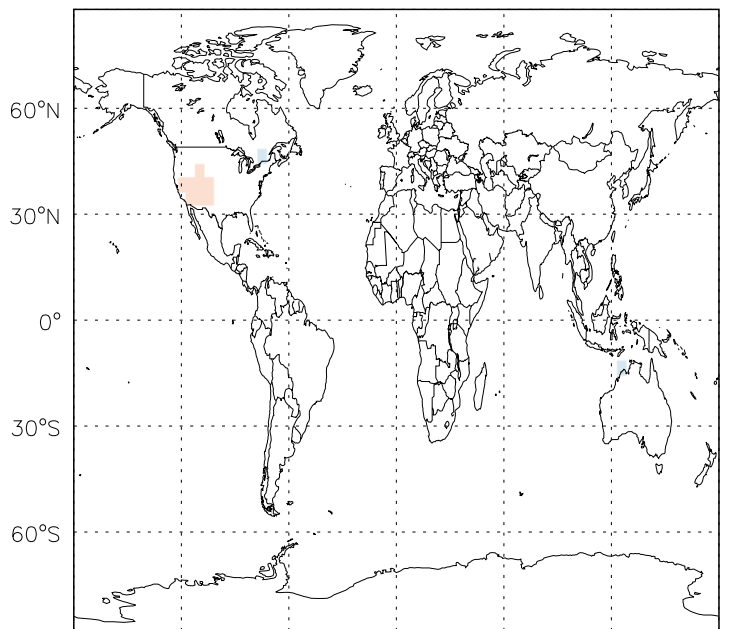
H0Br/ Ratio @ 500 hPa for Apr



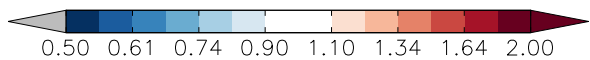
# GEOS-Chem Ratio Maps at surface and 500 hPa

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

HBr / Ratio @ Surface for Apr

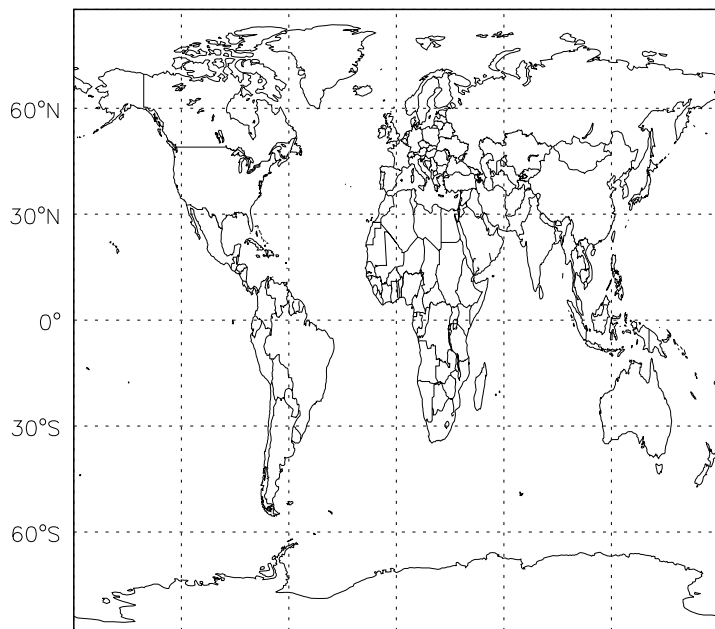


180° 120°W 60°W 0° 60°E 120°E 180°

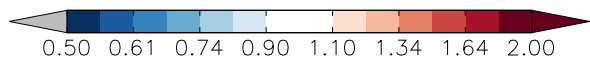


v11-01d-Run1 / v11-01b-Run0

HBr/ Ratio @ 500 hPa for Apr

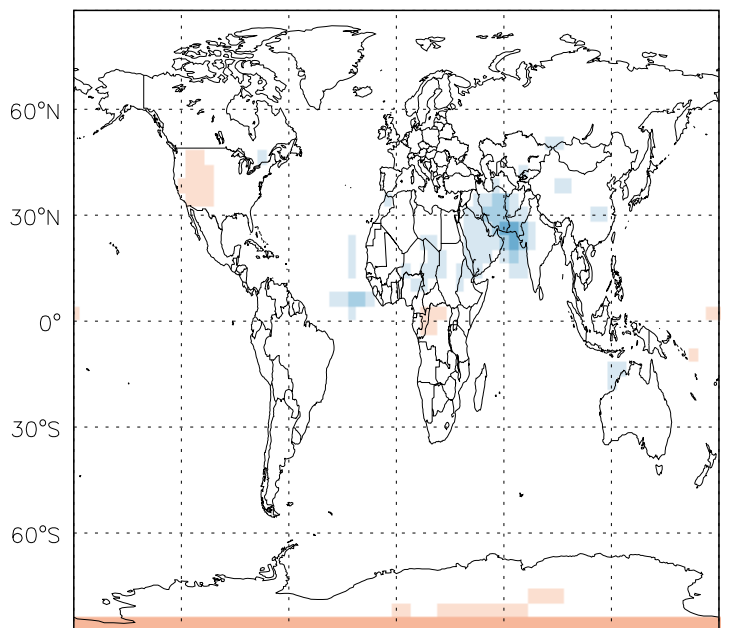


180° 120°W 60°W 0° 60°E 120°E 180°

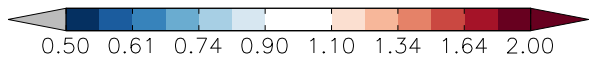


v11-01d-Run1 / v10-01-public-Run0

HBr / Ratio @ Surface for Apr

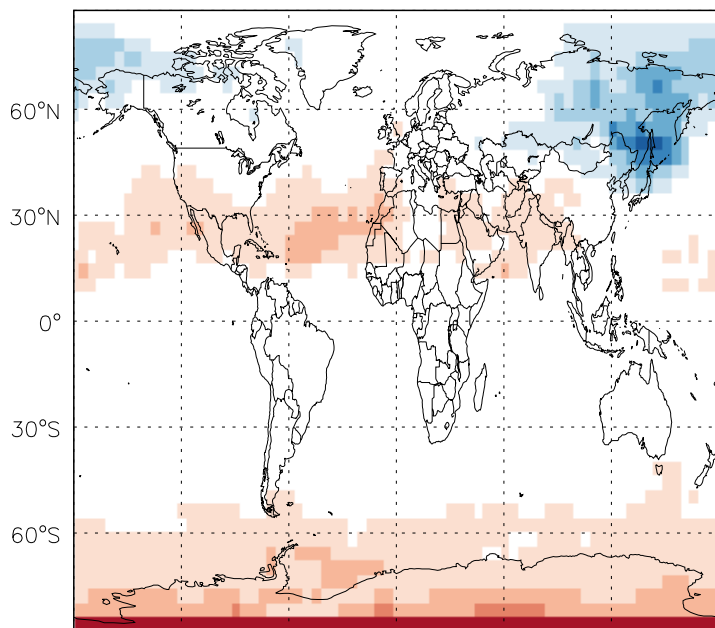


180° 120°W 60°W 0° 60°E 120°E 180°

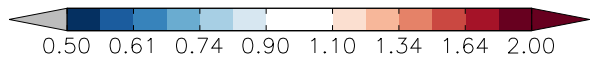


v11-01d-Run1 / v10-01-public-Run0

HBr/ Ratio @ 500 hPa for Apr



180° 120°W 60°W 0° 60°E 120°E 180°

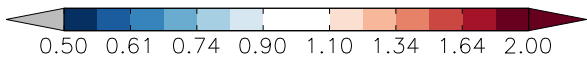
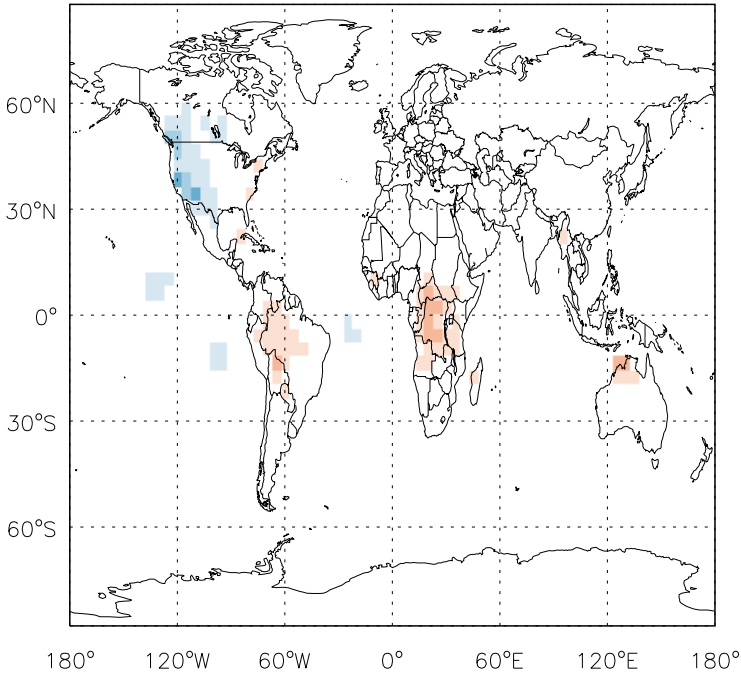




GEOS-Chem Ratio Maps at surface and 500 hPa

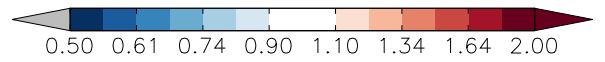
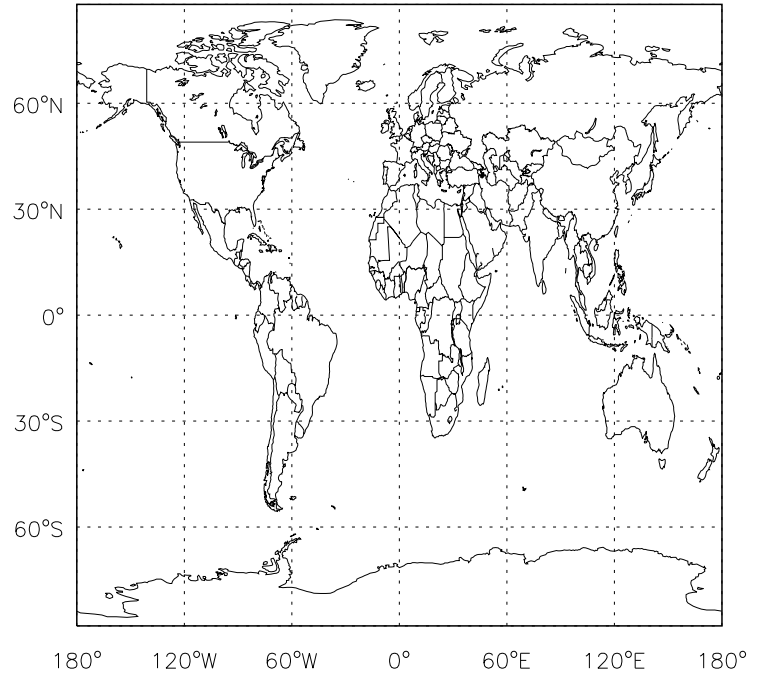
v11-01d-Run1 / v11-01b-Run0

BrNO2 / Ratio @ Surface for Apr



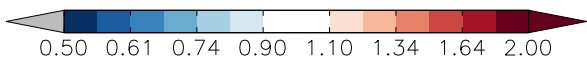
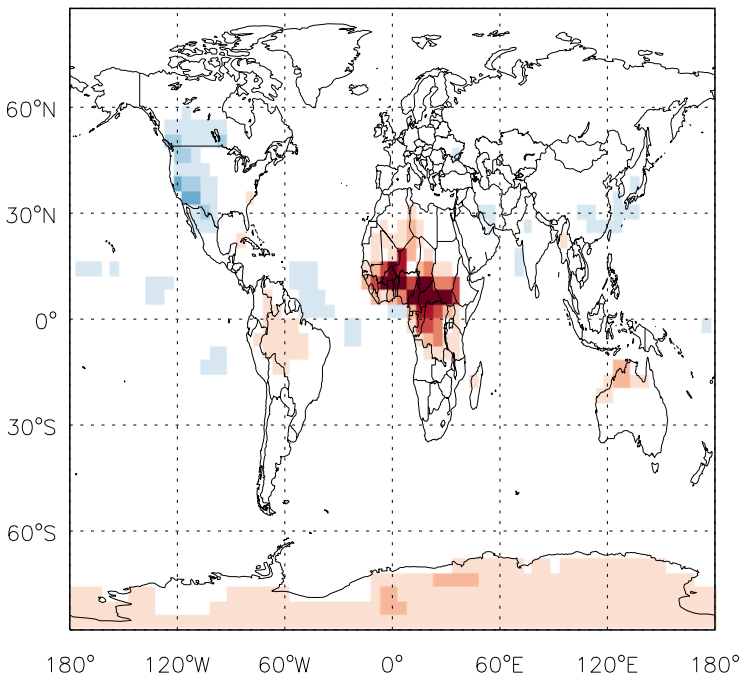
v11-01d-Run1 / v11-01b-Run0

BrNO2/ Ratio @ 500 hPa for Apr



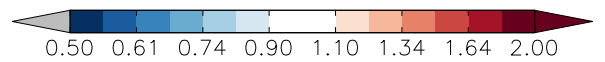
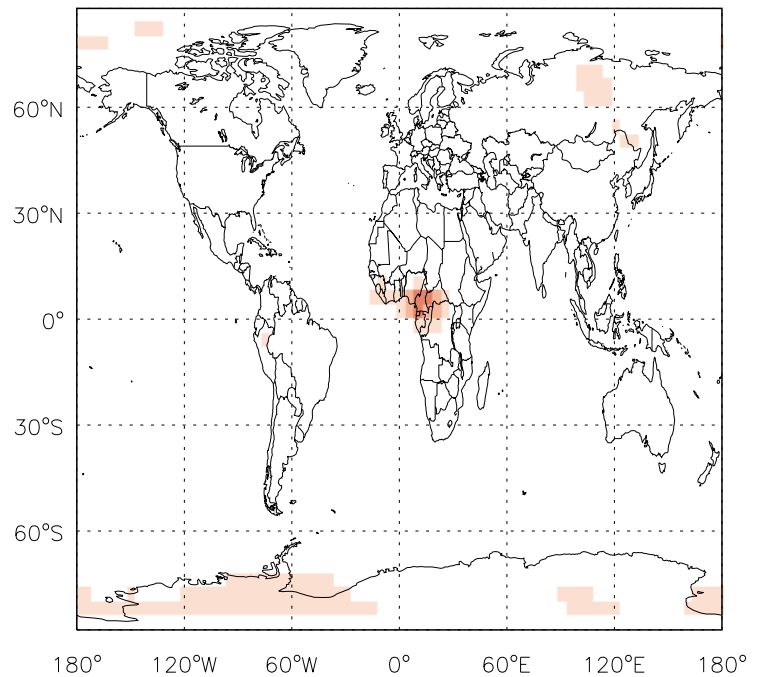
v11-01d-Run1 / v10-01-public-Run0

BrNO2 / Ratio @ Surface for Apr



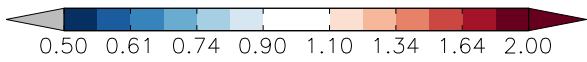
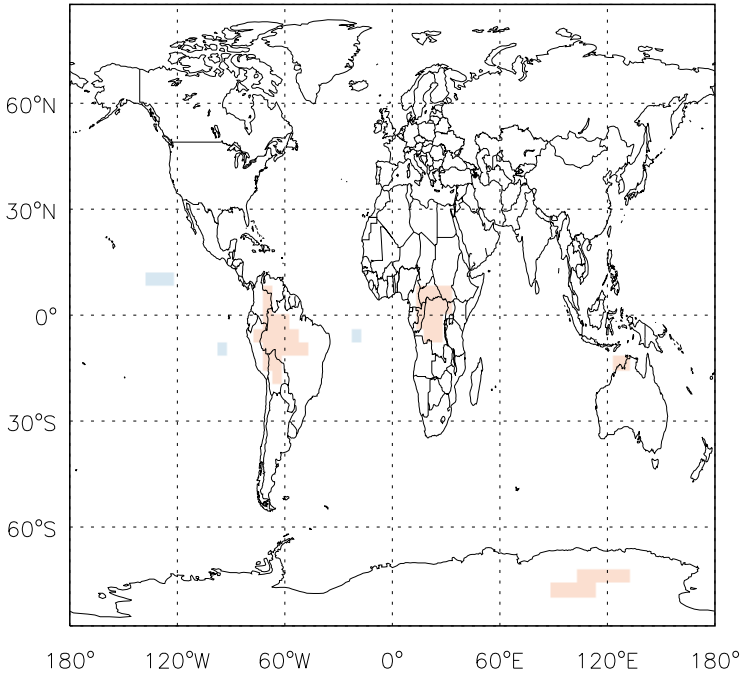
v11-01d-Run1 / v10-01-public-Run0

BrNO2/ Ratio @ 500 hPa for Apr

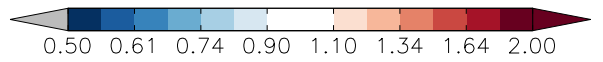
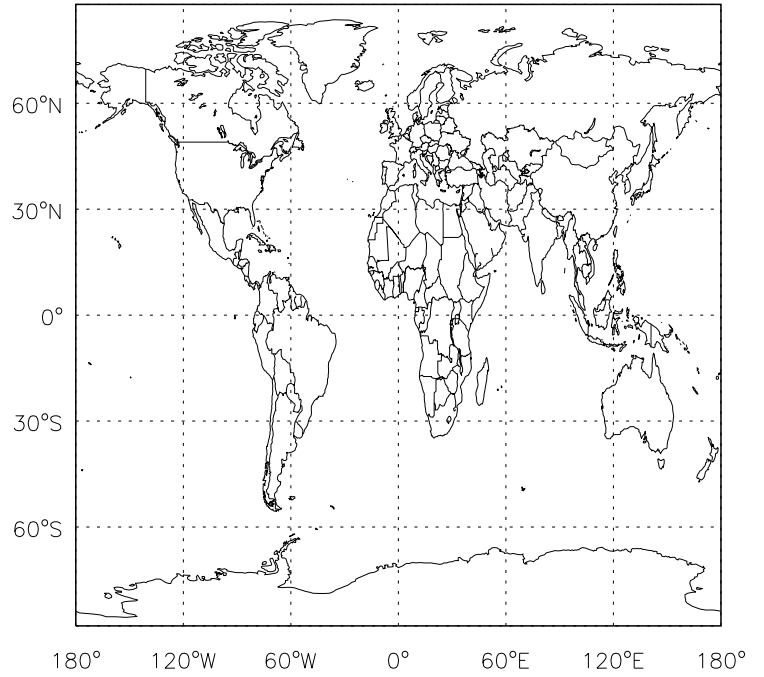


GEOS-Chem Ratio Maps at surface and 500 hPa

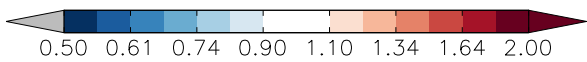
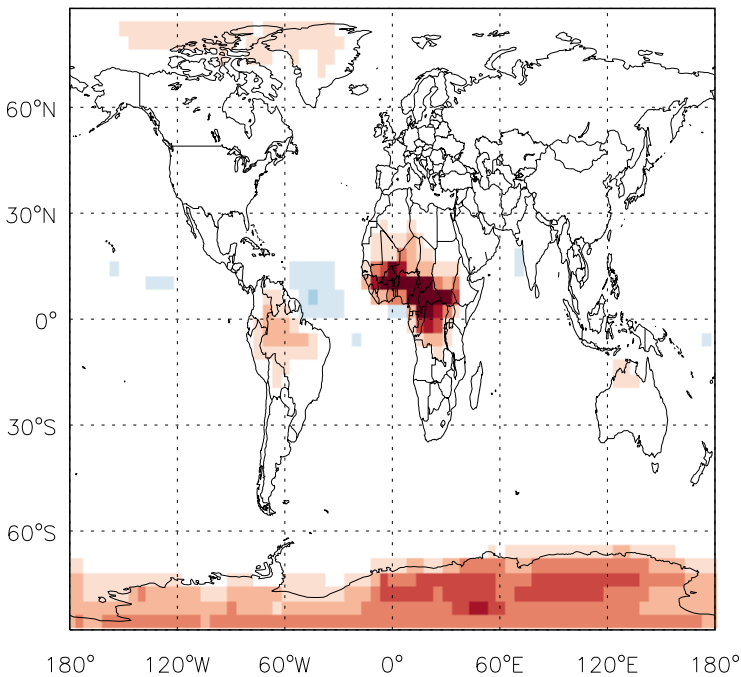
v11-01d-Run1 / v11-01b-Run0  
BrNO3 / Ratio @ Surface for Apr



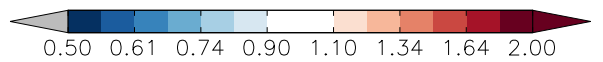
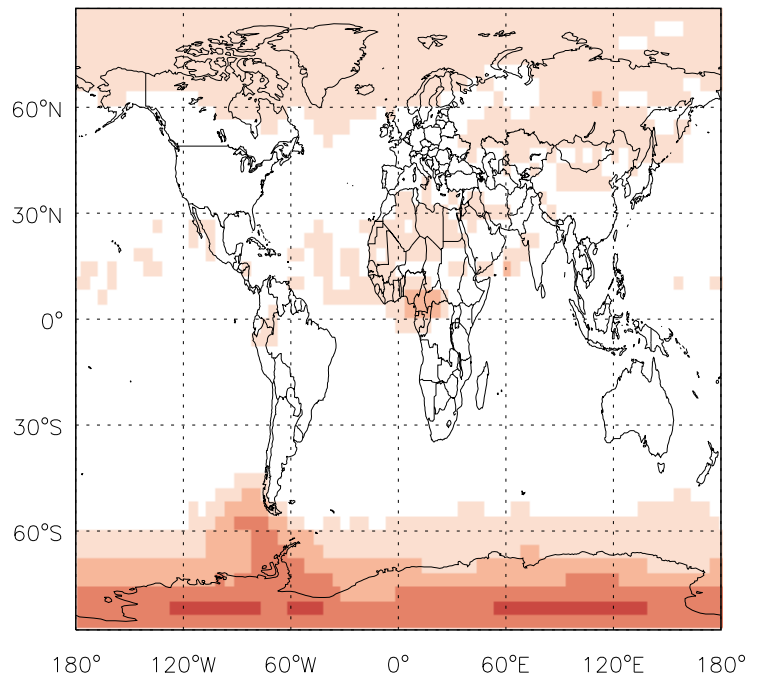
v11-01d-Run1 / v11-01b-Run0  
BrNO3/ Ratio @ 500 hPa for Apr



v11-01d-Run1 / v10-01-public-Run0  
BrNO3 / Ratio @ Surface for Apr



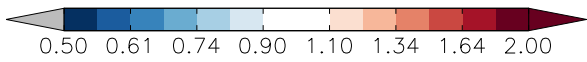
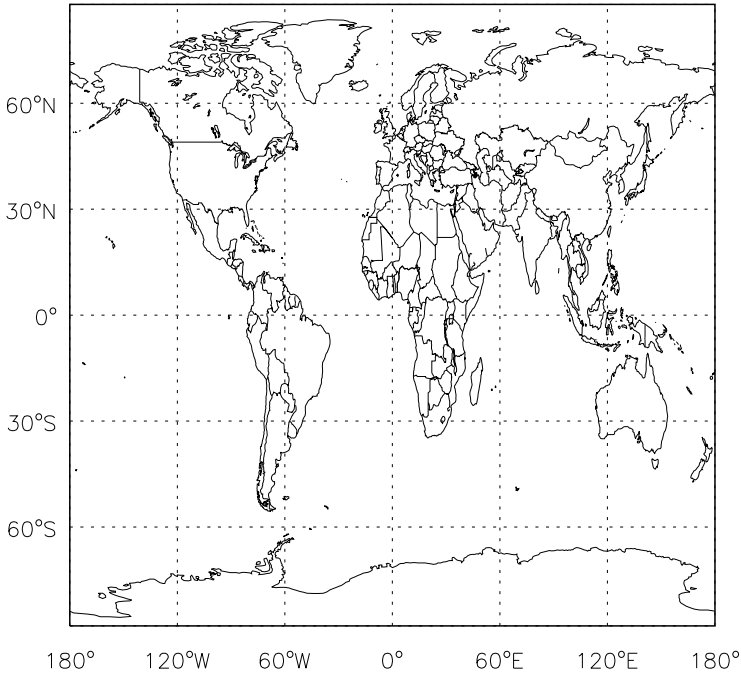
v11-01d-Run1 / v10-01-public-Run0  
BrNO3/ Ratio @ 500 hPa for Apr



GEOS-Chem Ratio Maps at surface and 500 hPa

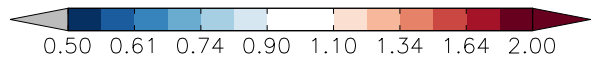
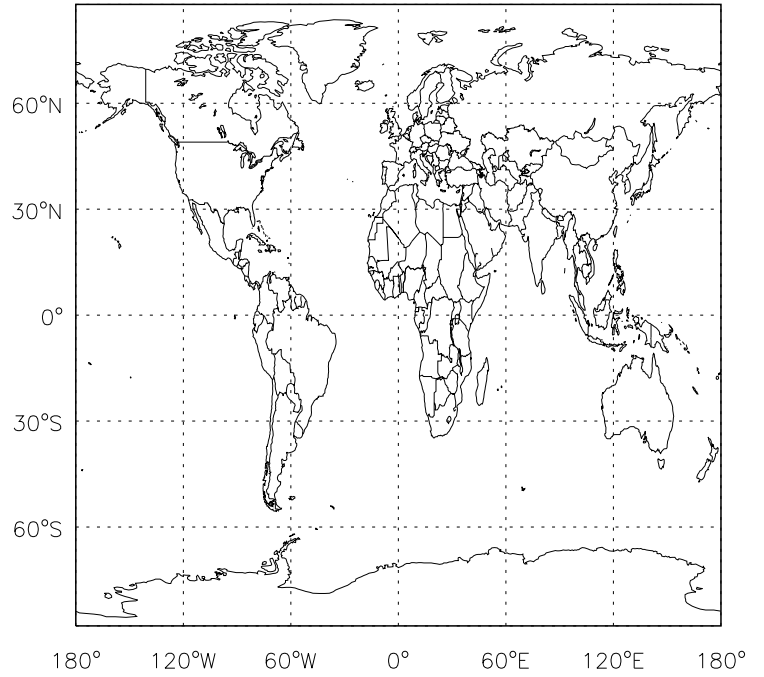
v11-01d-Run1 / v11-01b-Run0

CHBr3 / Ratio @ Surface for Apr



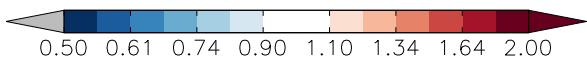
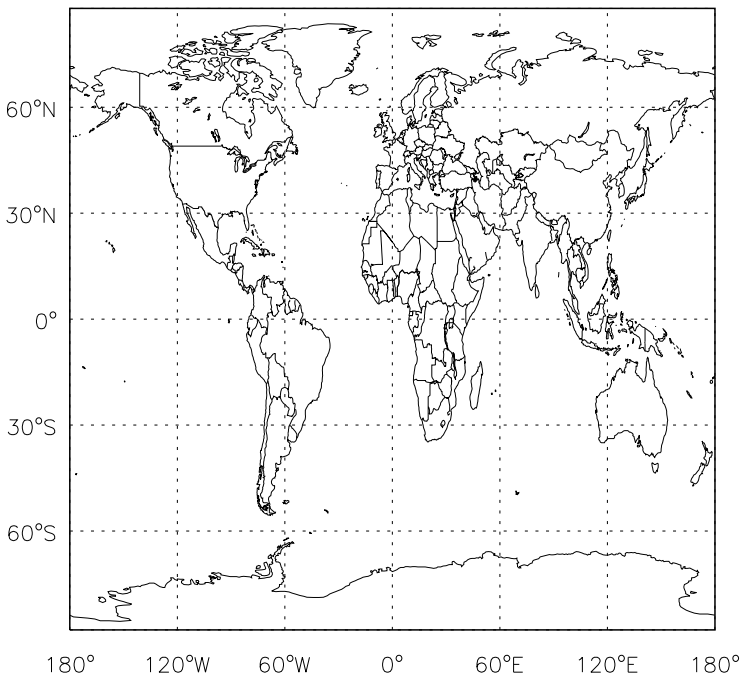
v11-01d-Run1 / v11-01b-Run0

CHBr3/ Ratio @ 500 hPa for Apr



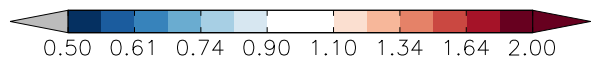
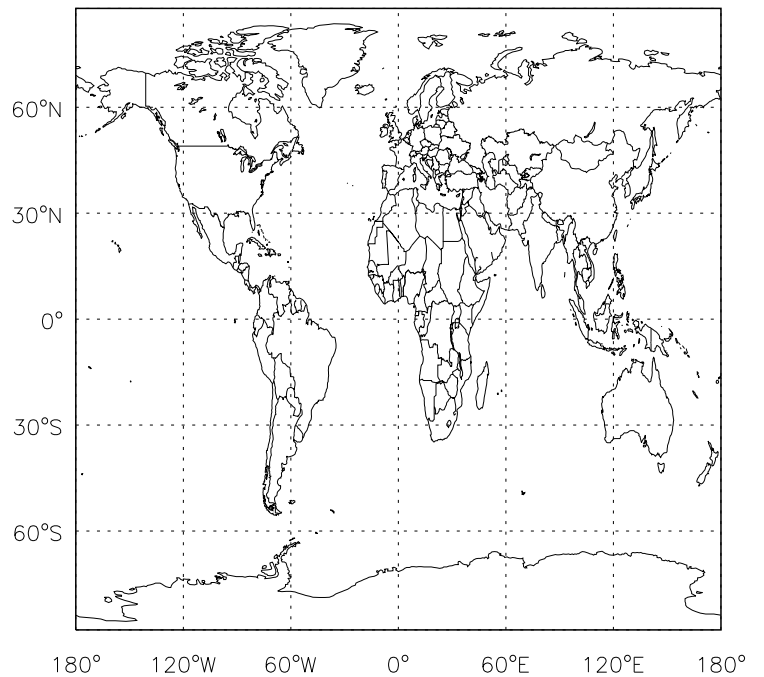
v11-01d-Run1 / v10-01-public-Run0

CHBr3 / Ratio @ Surface for Apr



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

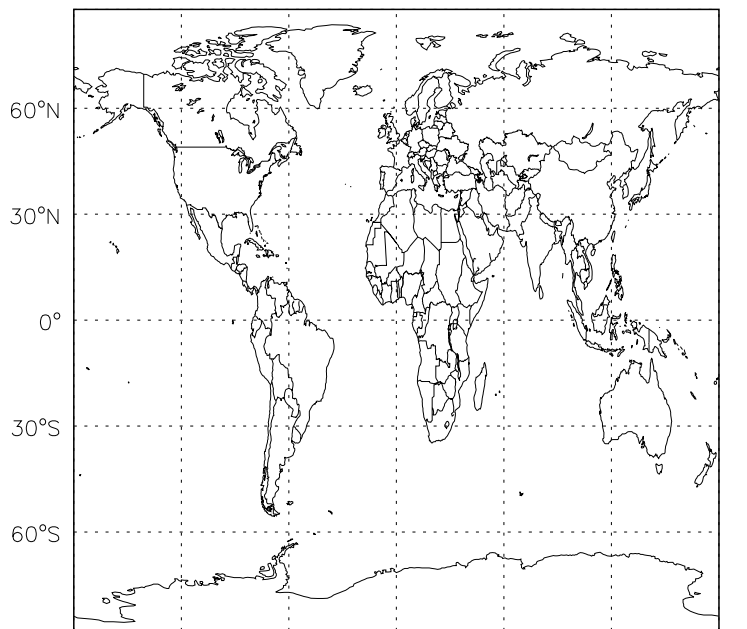
CHBr3/ Ratio @ 500 hPa for Apr



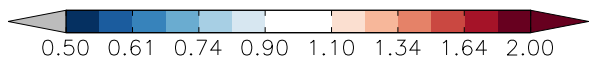
# GEOS-Chem Ratio Maps at surface and 500 hPa

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

CH2Br2 / Ratio @ Surface for Apr

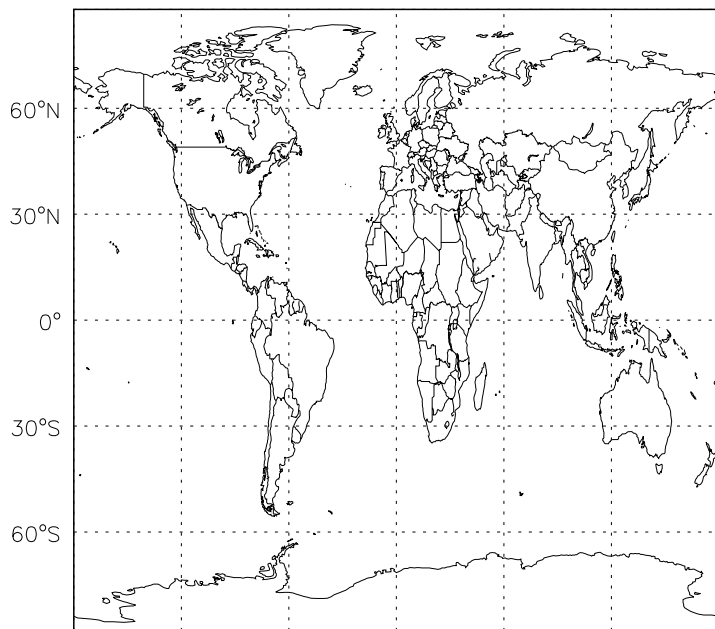


180° 120°W 60°W 0° 60°E 120°E 180°

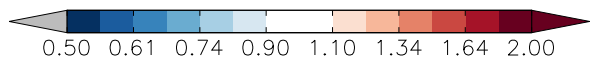


v11-01d-Run1 / v11-01b-Run0

CH2Br2 / Ratio @ 500 hPa for Apr

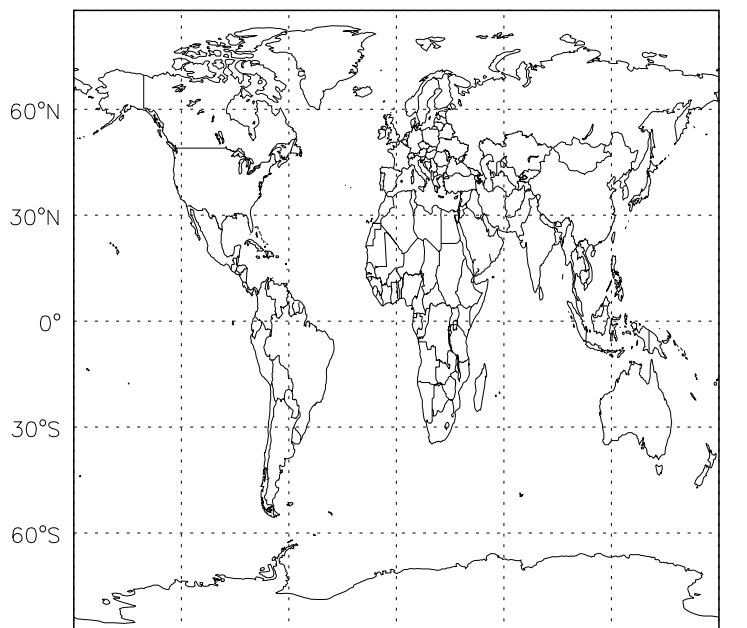


180° 120°W 60°W 0° 60°E 120°E 180°

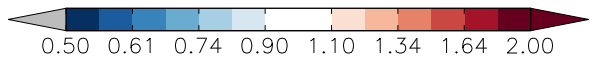


v11-01d-Run1 / v10-01-public-Run0

CH2Br2 / Ratio @ Surface for Apr

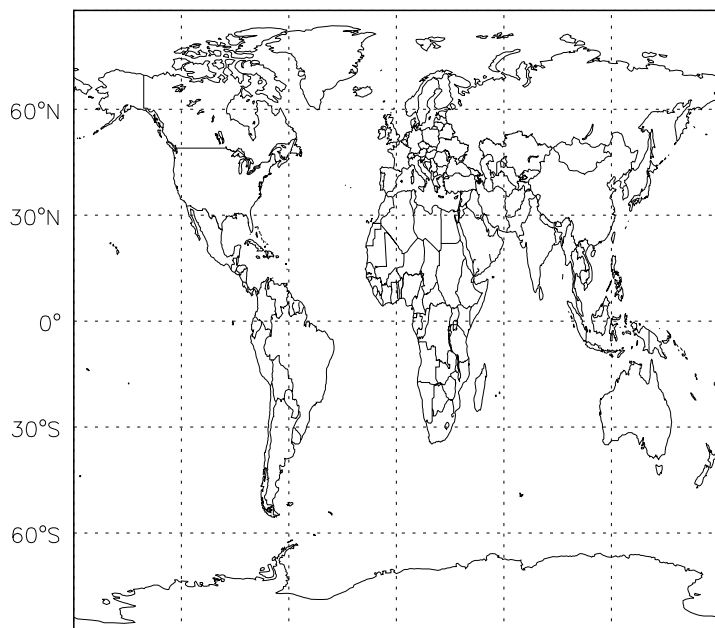


180° 120°W 60°W 0° 60°E 120°E 180°

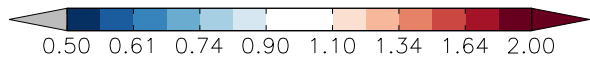


v11-01d-Run1 / v10-01-public-Run0

CH2Br2 / Ratio @ 500 hPa for Apr

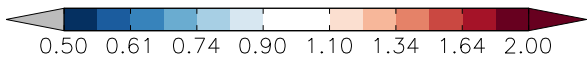
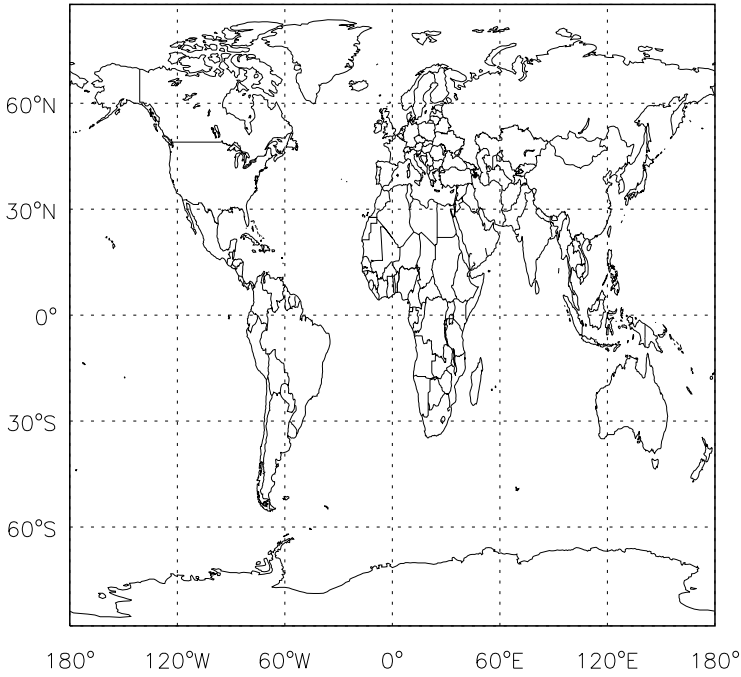


180° 120°W 60°W 0° 60°E 120°E 180°

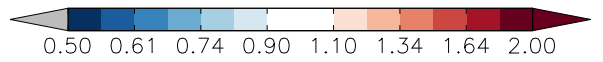
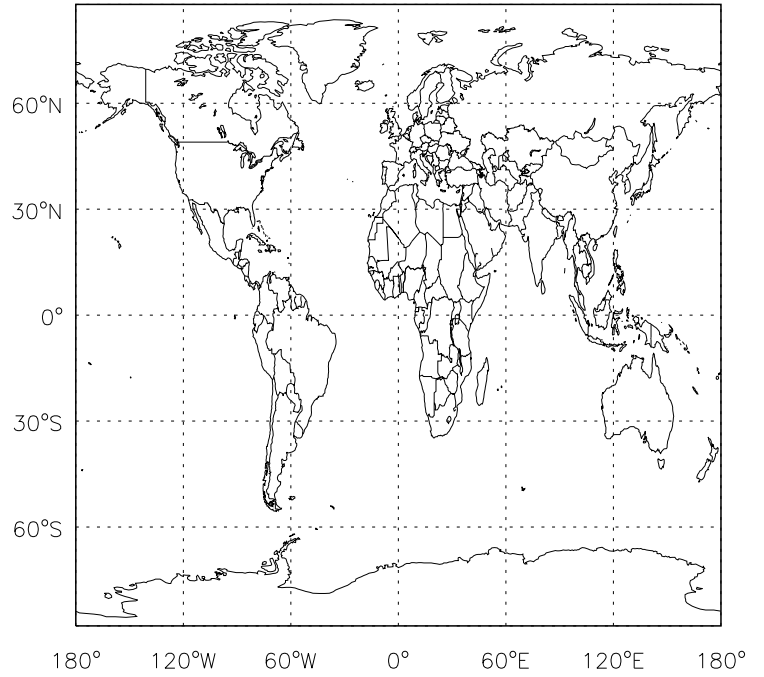


GEOS-Chem Ratio Maps at surface and 500 hPa

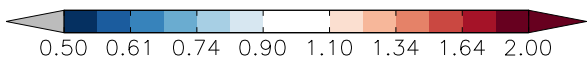
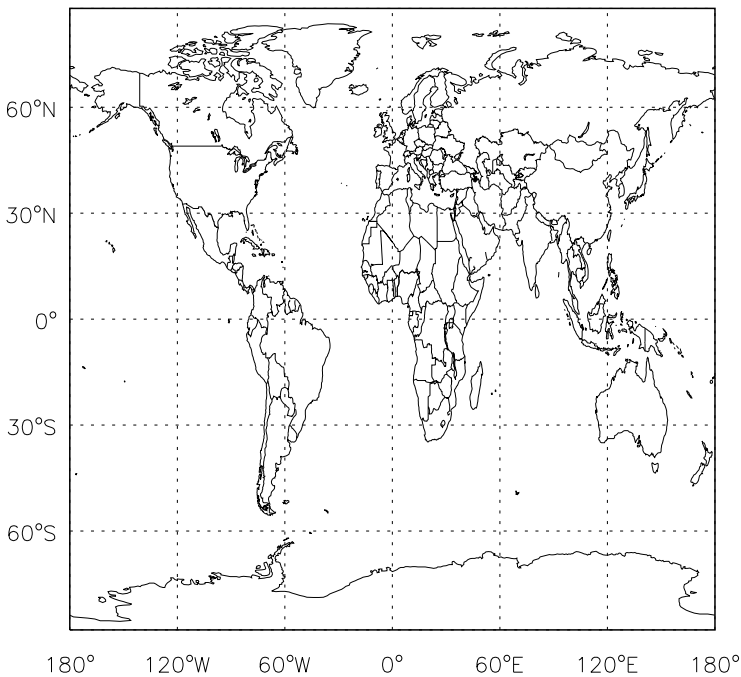
v11-01d-Run1 / v11-01b-Run0  
CH3Br / Ratio @ Surface for Apr



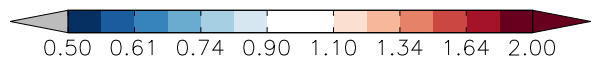
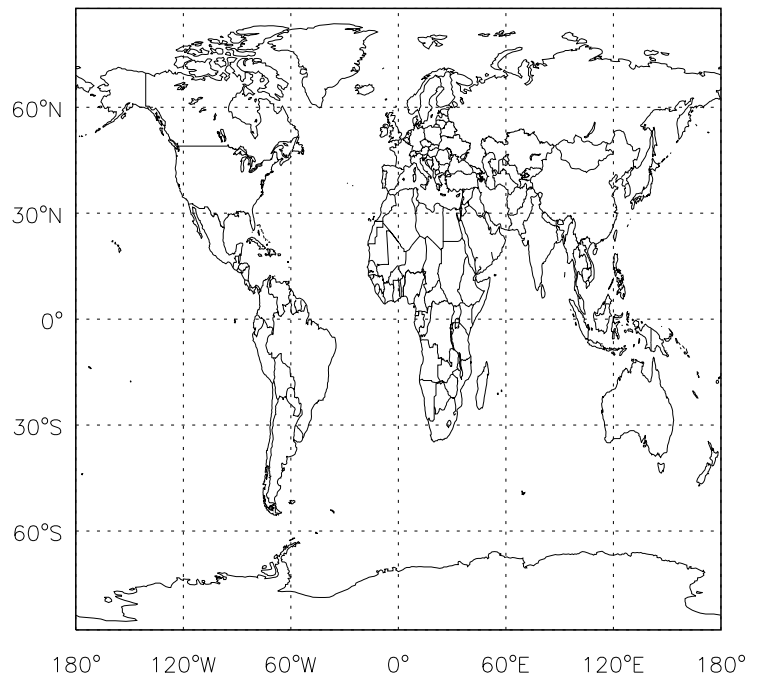
v11-01d-Run1 / v11-01b-Run0  
CH3Br/ Ratio @ 500 hPa for Apr



v11-01d-Run1 / v10-01-public-Run0  
CH3Br / Ratio @ Surface for Apr



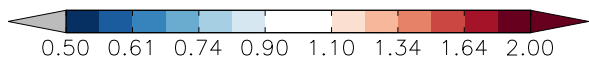
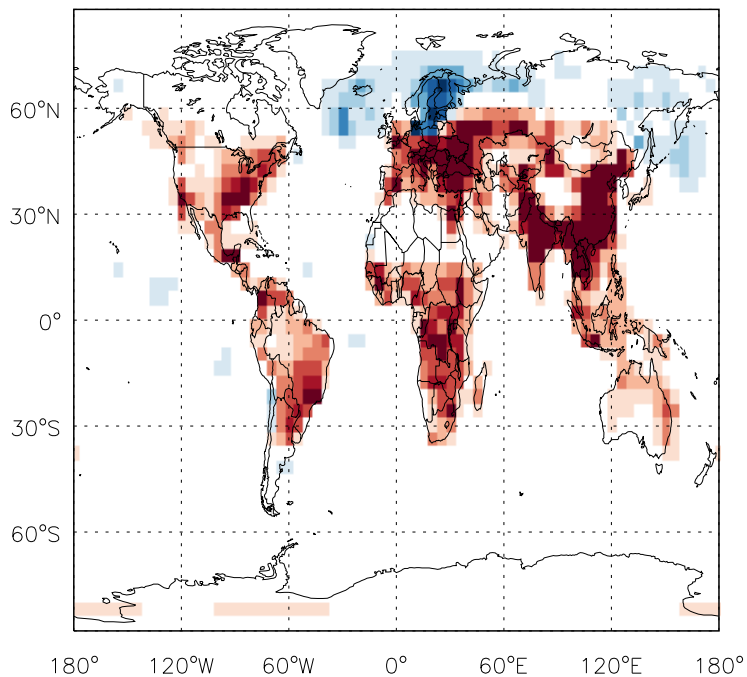
v11-01d-Run1 / v10-01-public-Run0  
CH3Br/ Ratio @ 500 hPa for Apr



# GEOS-Chem Ratio Maps at surface and 500 hPa

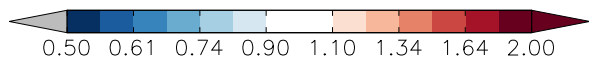
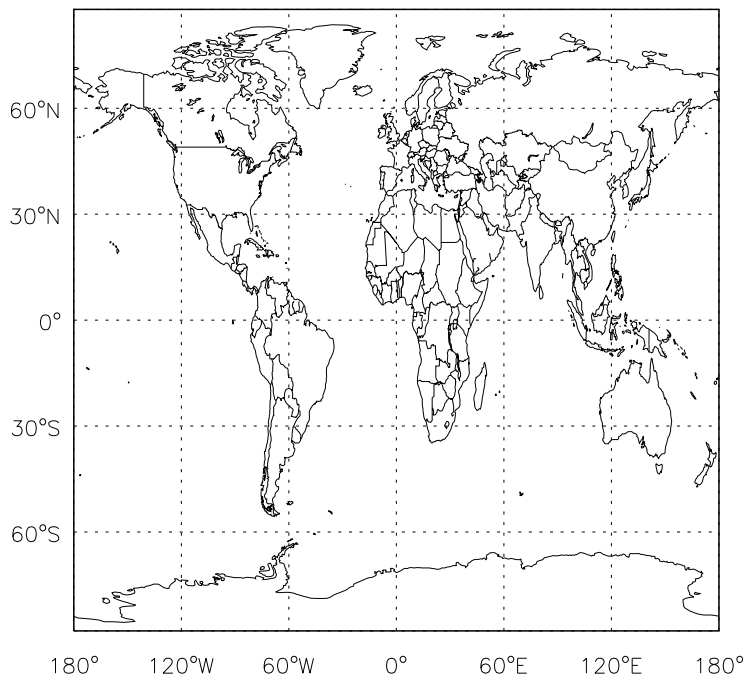
v11-01d-Run1 / v11-01b-Run0

MPN / Ratio @ Surface for Apr



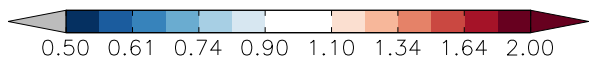
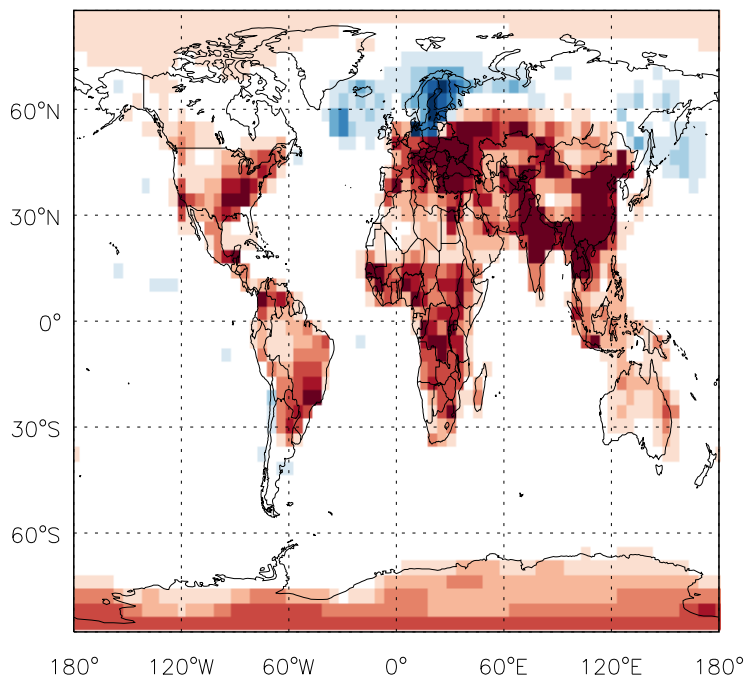
v11-01d-Run1 / v11-01b-Run0

MPN/ Ratio @ 500 hPa for Apr



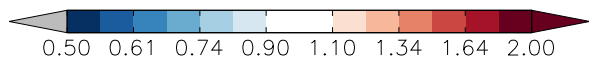
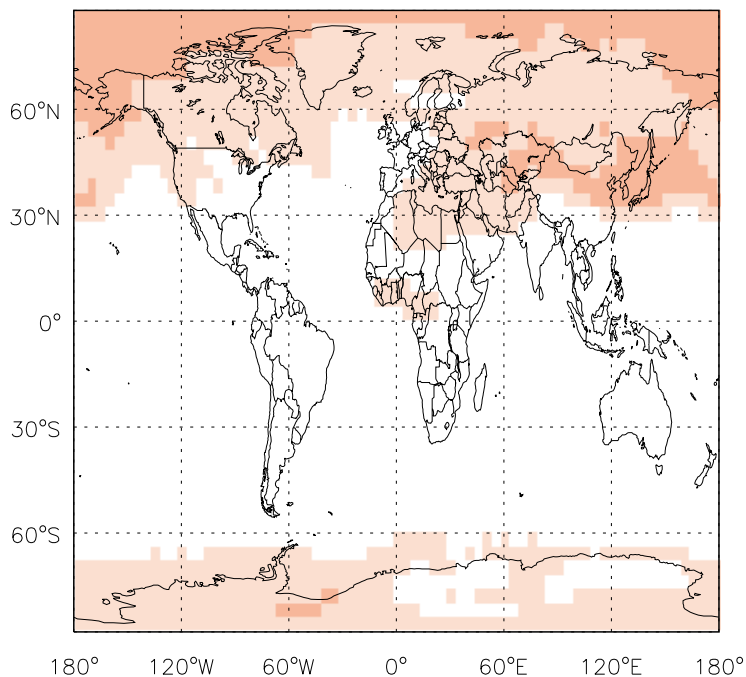
v11-01d-Run1 / v10-01-public-Run0

MPN / Ratio @ Surface for Apr



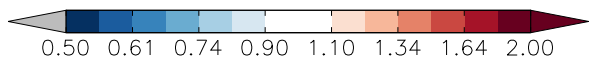
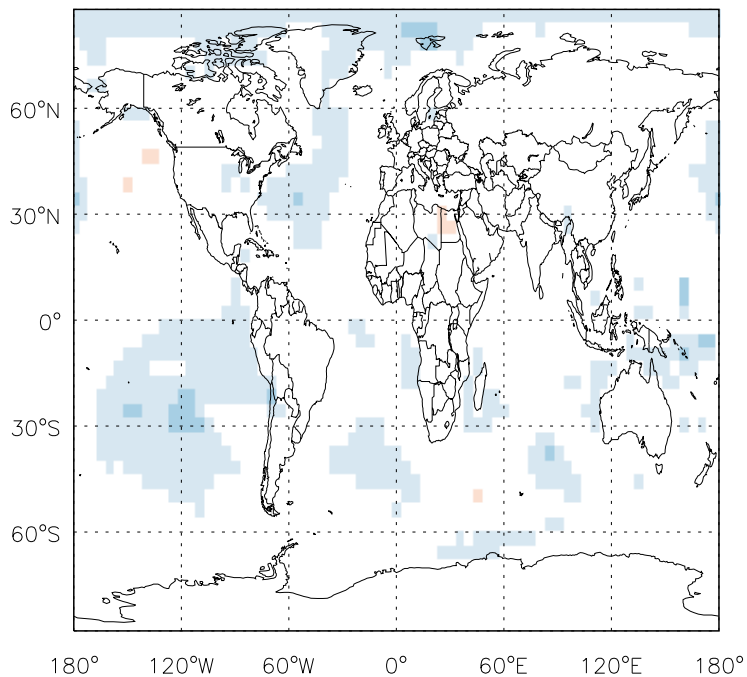
v11-01d-Run1 / v10-01-public-Run0

MPN/ Ratio @ 500 hPa for Apr

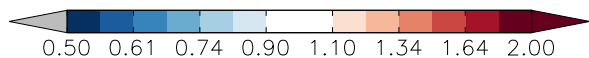
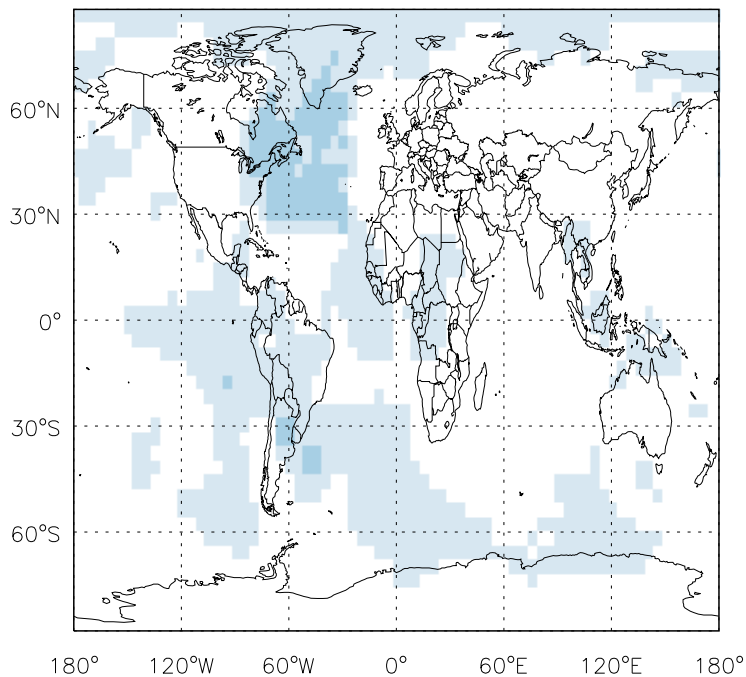


# GEOS-Chem Ratio Maps at surface and 500 hPa

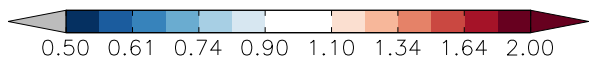
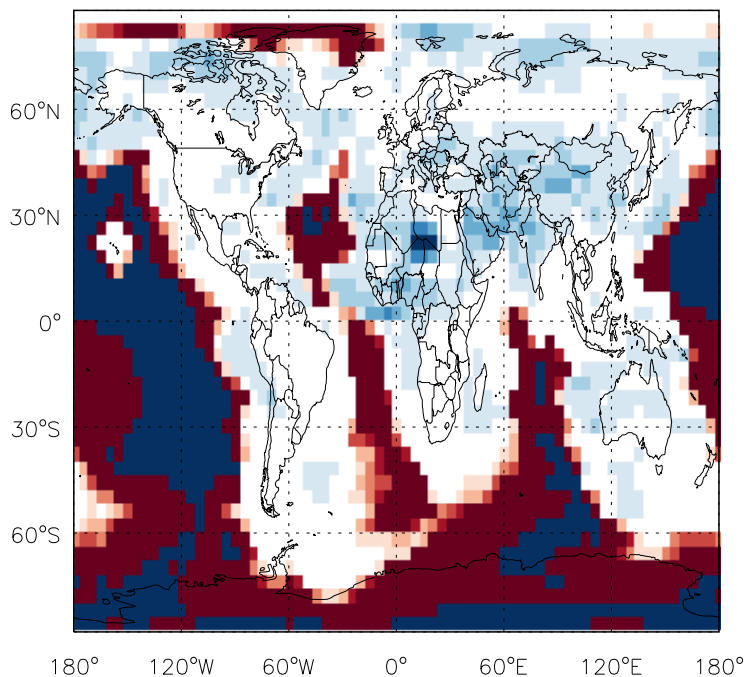
v11-01d-Run1 / v11-01b-Run0  
ISOPN / Ratio @ Surface for Apr



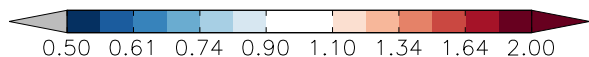
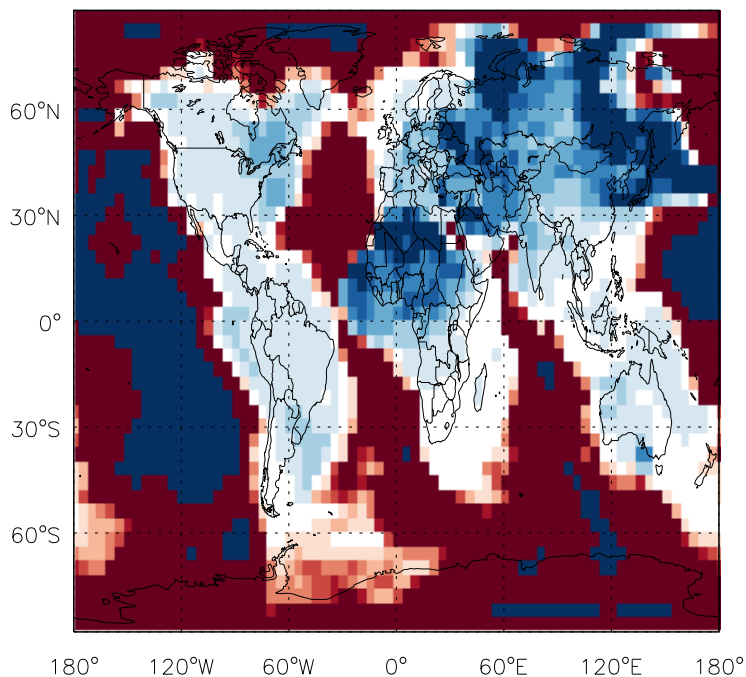
v11-01d-Run1 / v11-01b-Run0  
ISOPN/ Ratio @ 500 hPa for Apr



v11-01d-Run1 / v10-01-public-Run0  
ISOPN / Ratio @ Surface for Apr

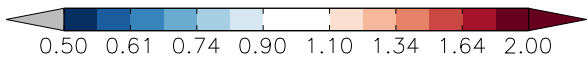
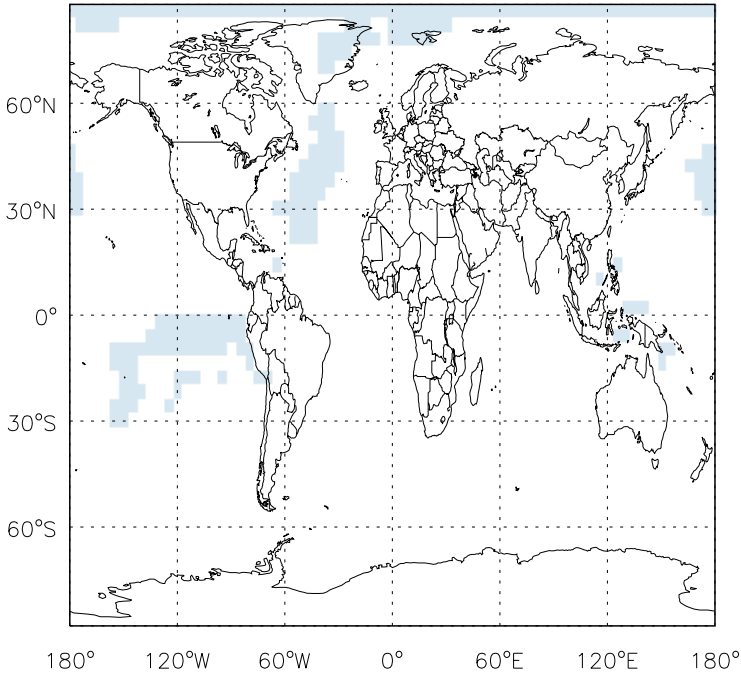


v11-01d-Run1 / v10-01-public-Run0  
ISOPN/ Ratio @ 500 hPa for Apr

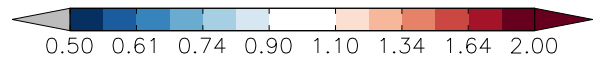
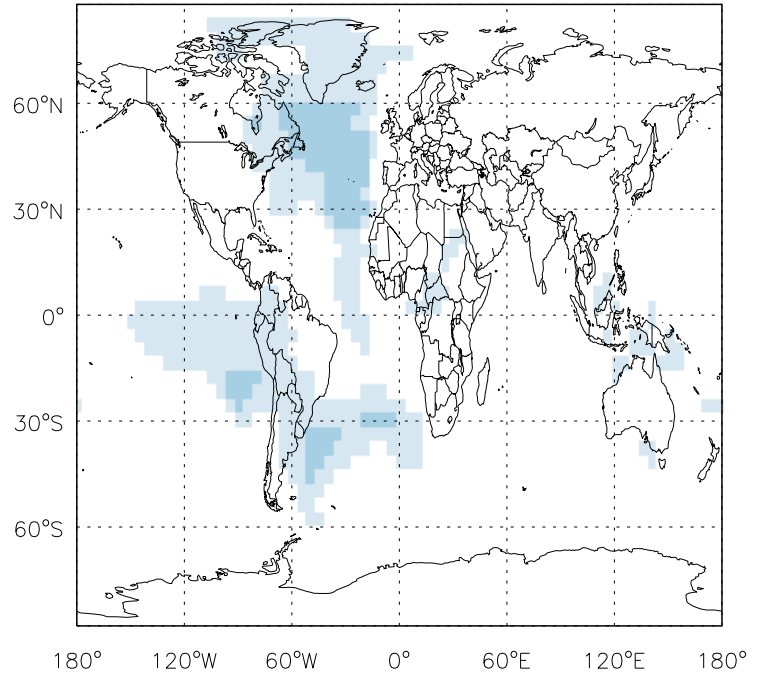


GEOS-Chem Ratio Maps at surface and 500 hPa

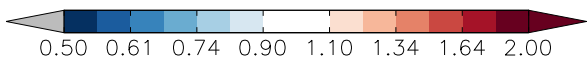
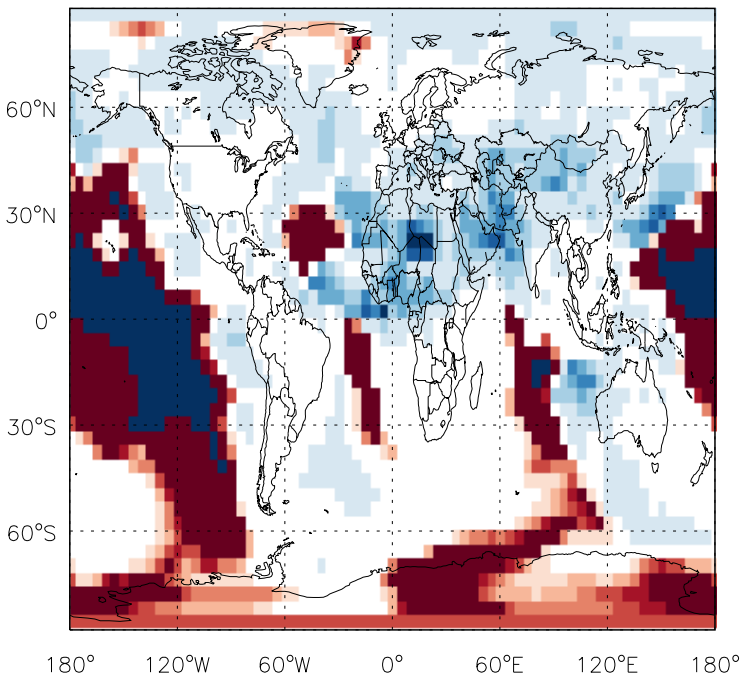
v11-01d-Run1 / v11-01b-Run0  
MOBA / Ratio @ Surface for Apr



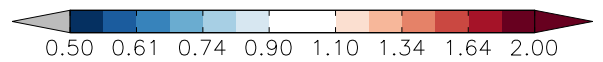
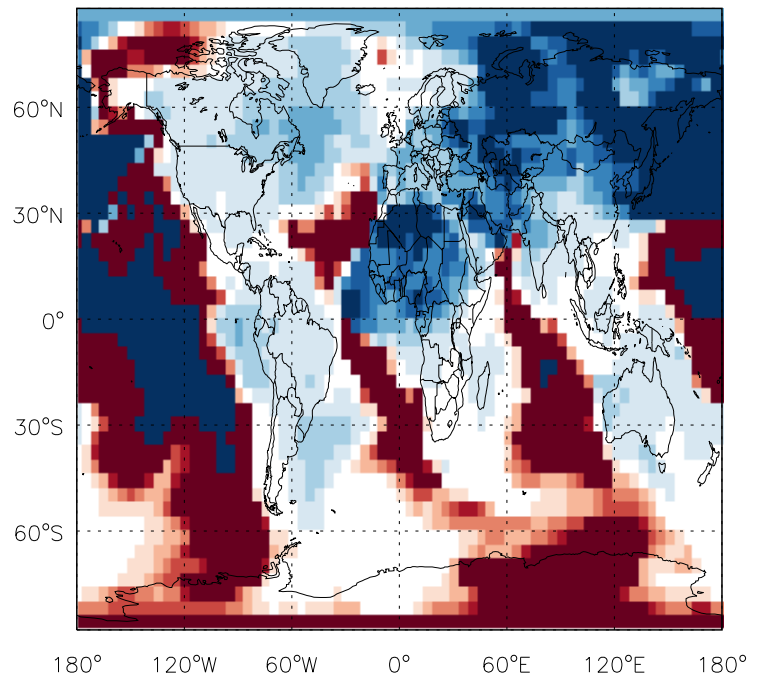
v11-01d-Run1 / v11-01b-Run0  
MOBA/ Ratio @ 500 hPa for Apr



v11-01d-Run1 / v10-01-public-Run0  
MOBA / Ratio @ Surface for Apr



v11-01d-Run1 / v10-01-public-Run0  
MOBA/ Ratio @ 500 hPa for Apr

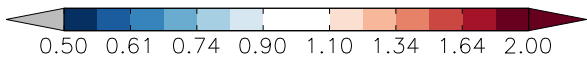
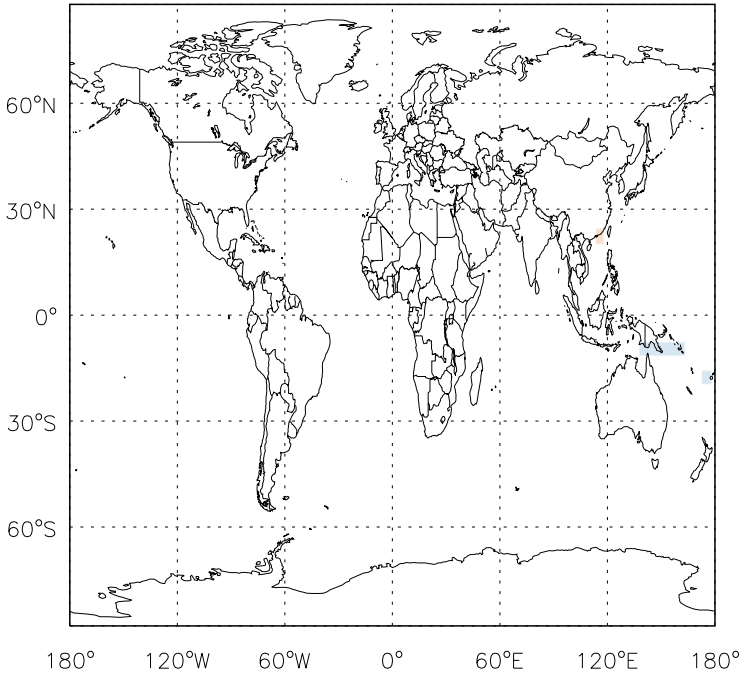




GEOS-Chem Ratio Maps at surface and 500 hPa

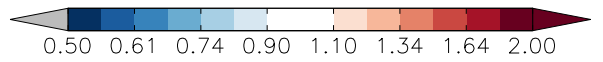
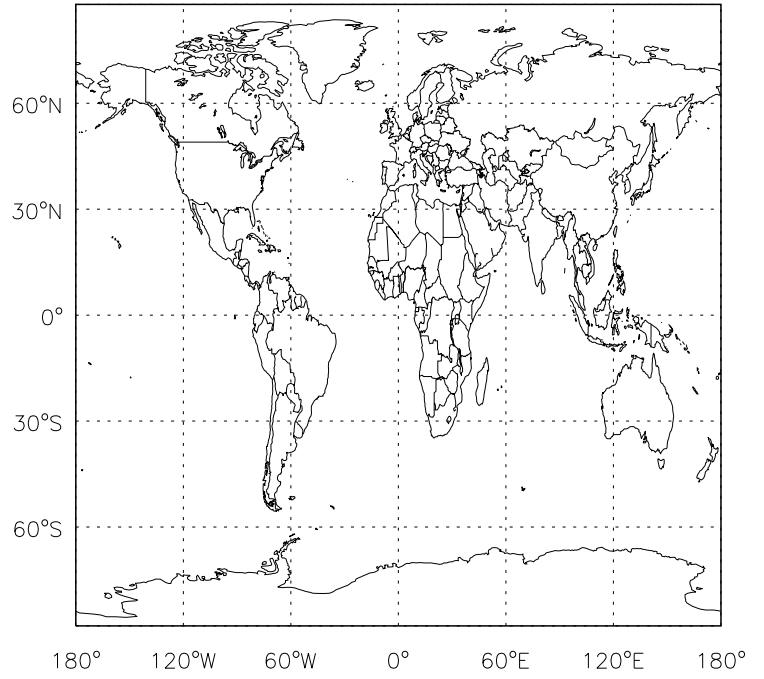
v11-01d-Run1 / v11-01b-Run0

PROPNN / Ratio @ Surface for Apr



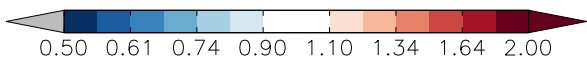
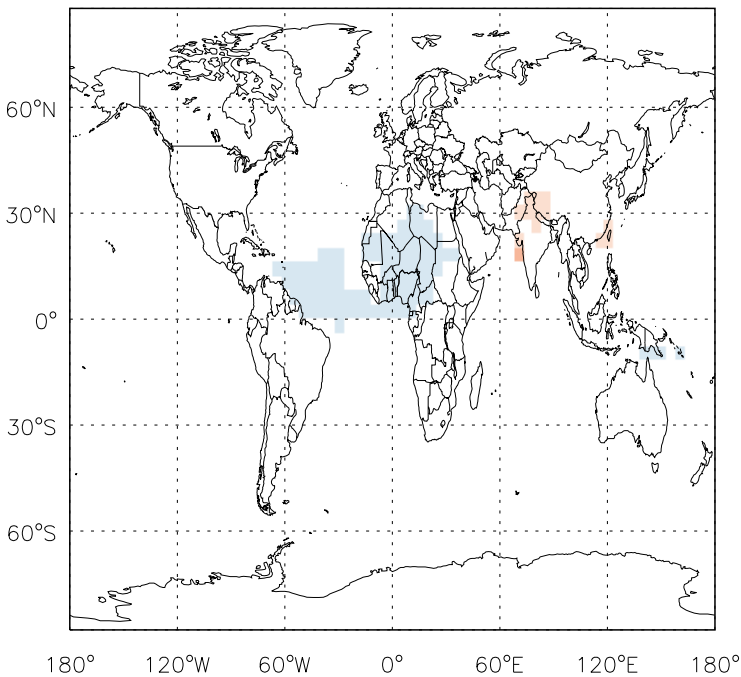
v11-01d-Run1 / v11-01b-Run0

PROPNN/ Ratio @ 500 hPa for Apr



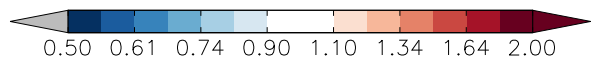
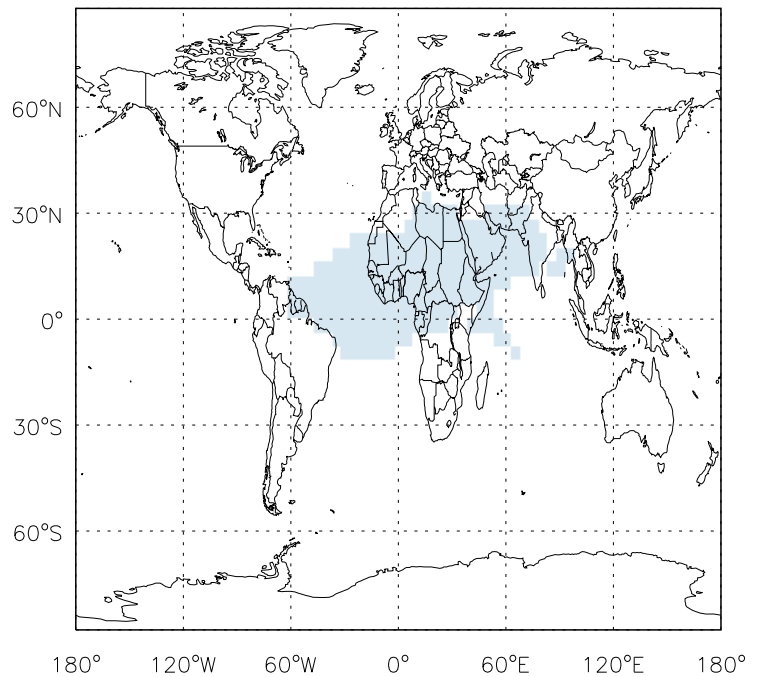
v11-01d-Run1 / v10-01-public-Run0

PROPNN / Ratio @ Surface for Apr



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

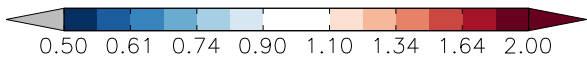
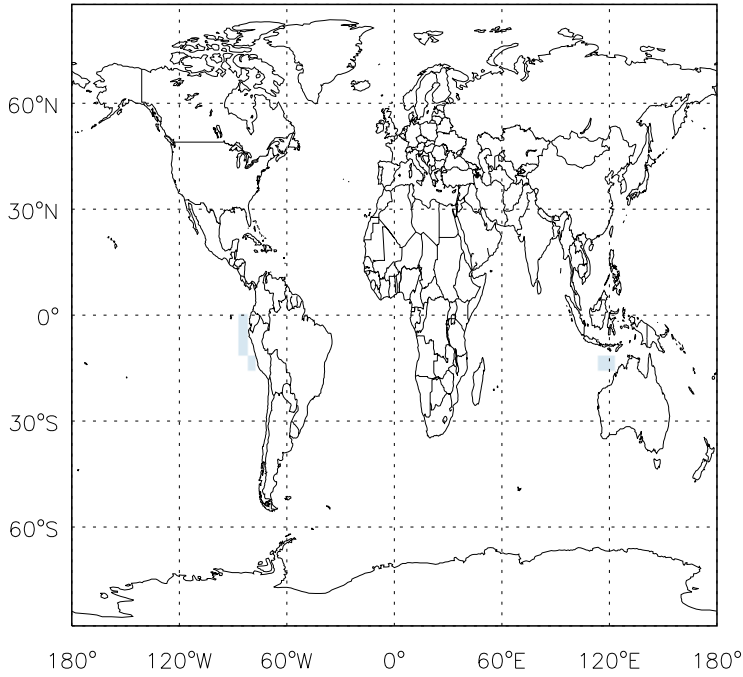
PROPNN/ Ratio @ 500 hPa for Apr



# GEOS-Chem Ratio Maps at surface and 500 hPa

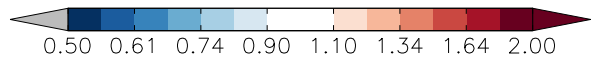
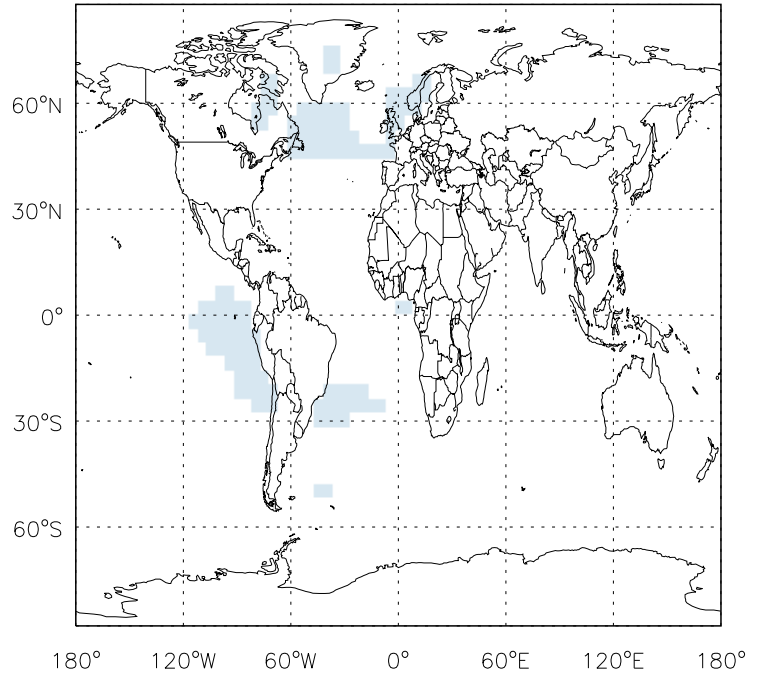
v11-01d-Run1 / v11-01b-Run0

HAC / Ratio @ Surface for Apr



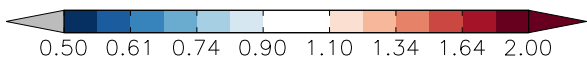
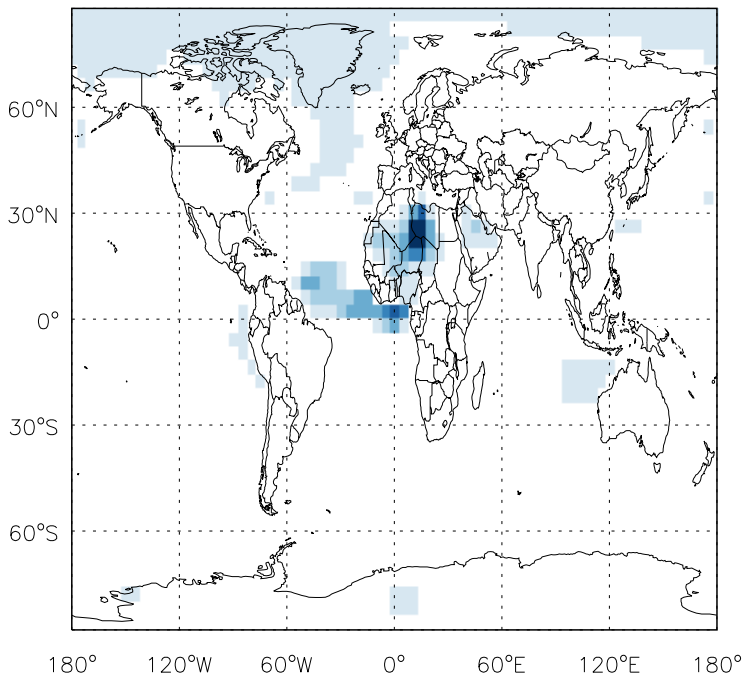
v11-01d-Run1 / v11-01b-Run0

HAC / Ratio @ 500 hPa for Apr



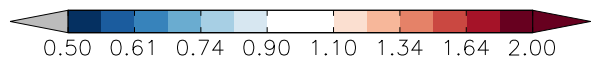
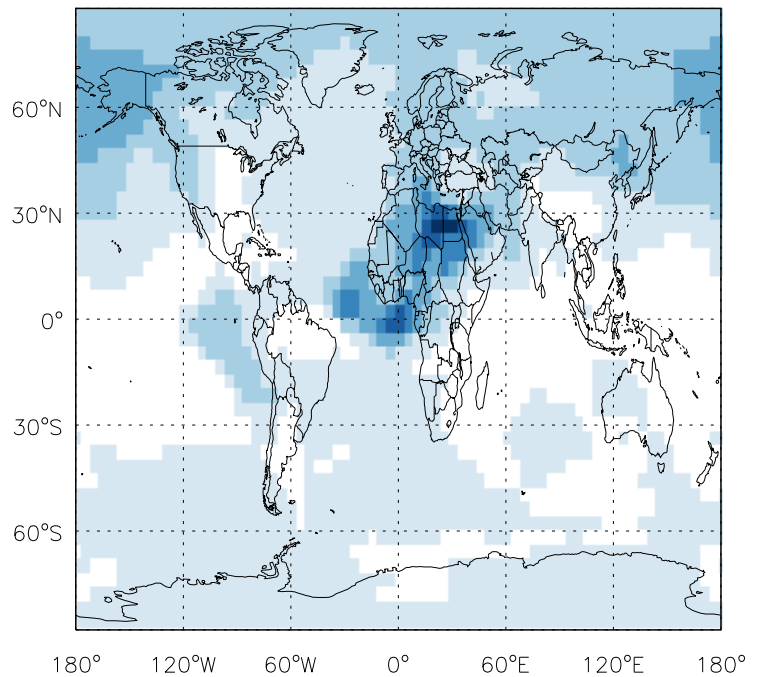
v11-01d-Run1 / v10-01-public-Run0

HAC / Ratio @ Surface for Apr



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

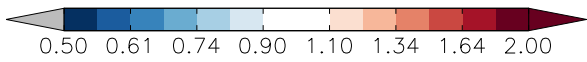
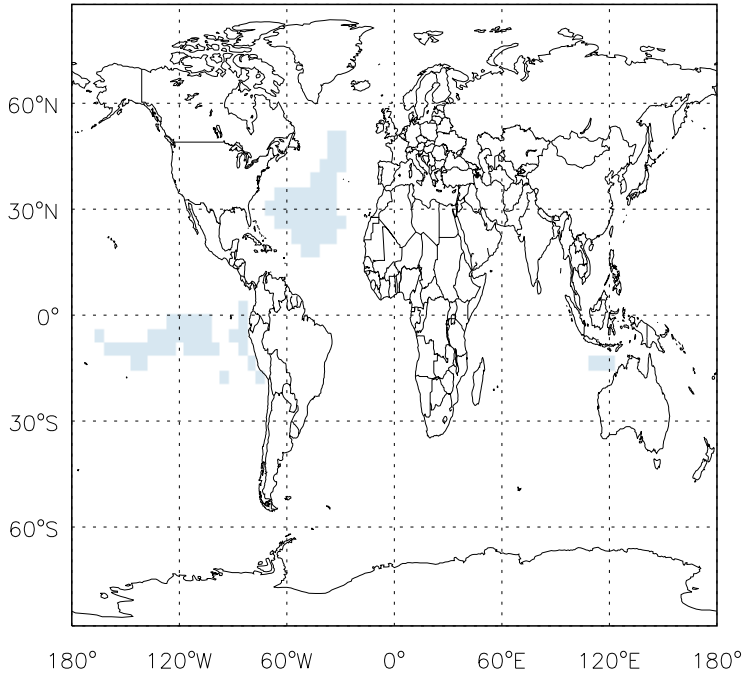
HAC / Ratio @ 500 hPa for Apr



# GEOS-Chem Ratio Maps at surface and 500 hPa

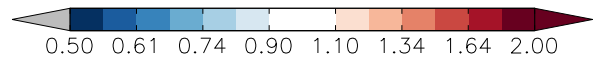
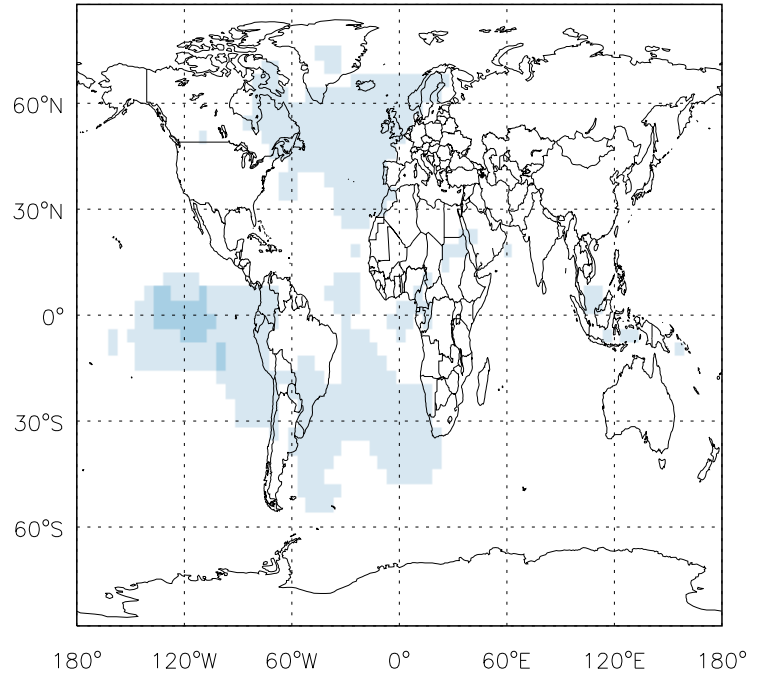
v11-01d-Run1 / v11-01b-Run0

GLYC / Ratio @ Surface for Apr



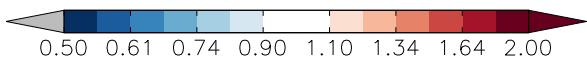
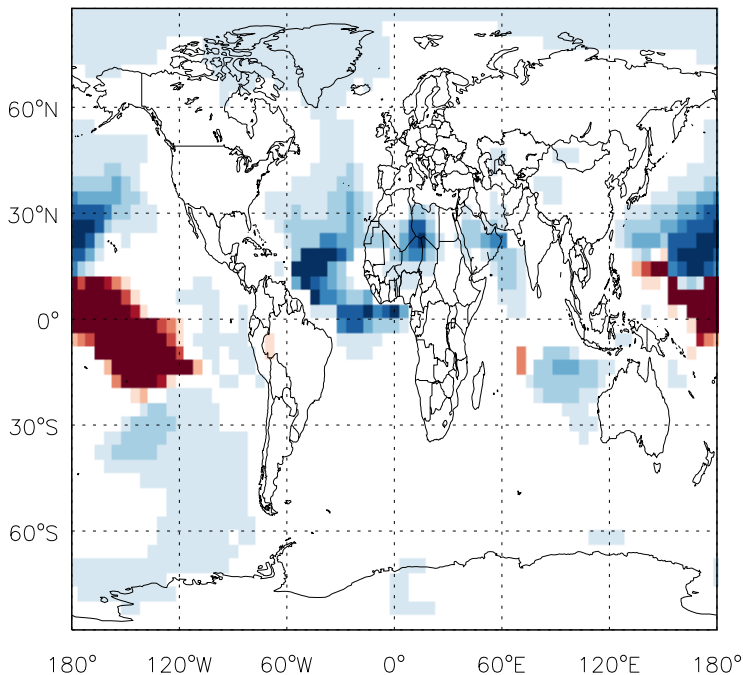
v11-01d-Run1 / v11-01b-Run0

GLYC/ Ratio @ 500 hPa for Apr



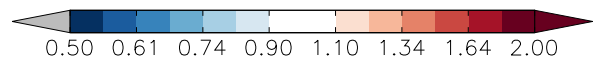
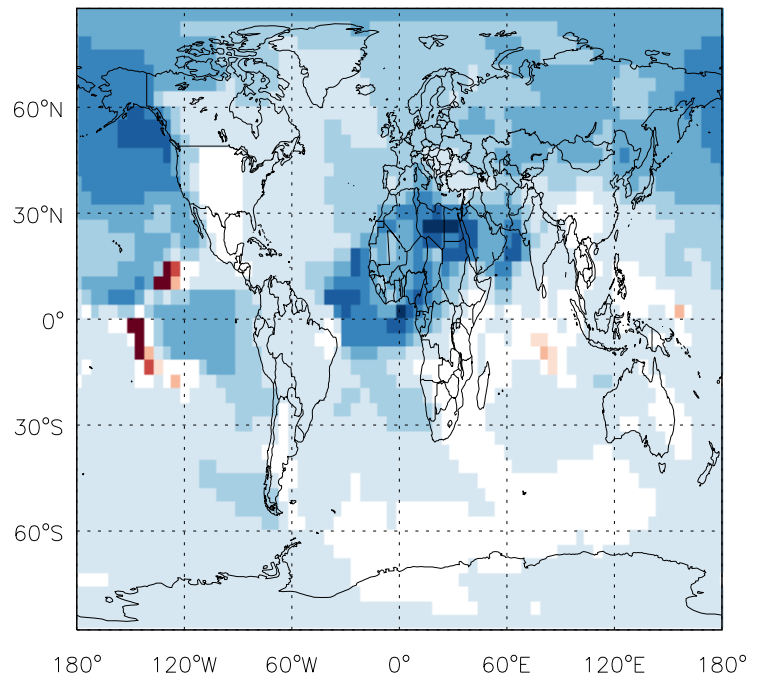
v11-01d-Run1 / v10-01-public-Run0

GLYC / Ratio @ Surface for Apr



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

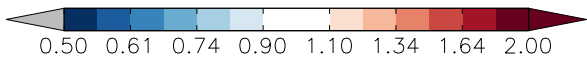
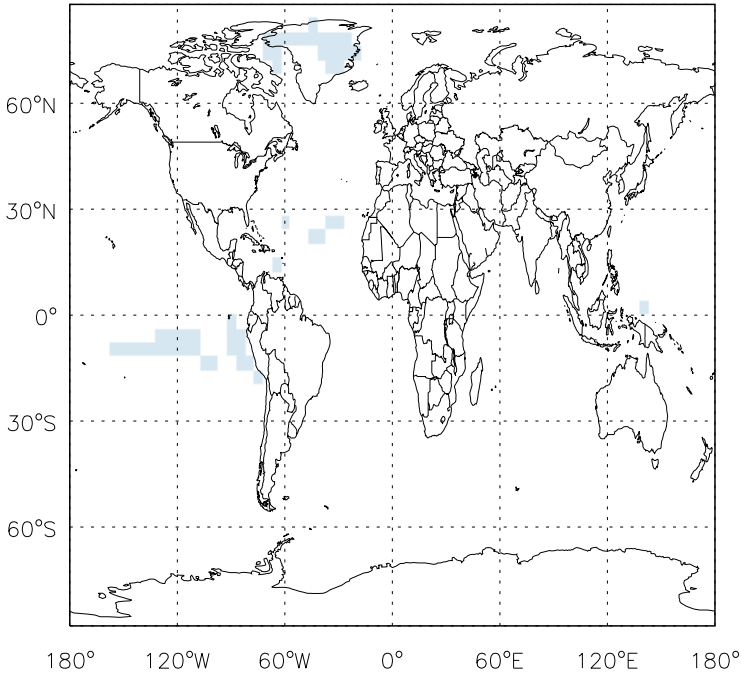
GLYC/ Ratio @ 500 hPa for Apr



GEOS-Chem Ratio Maps at surface and 500 hPa

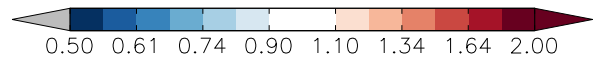
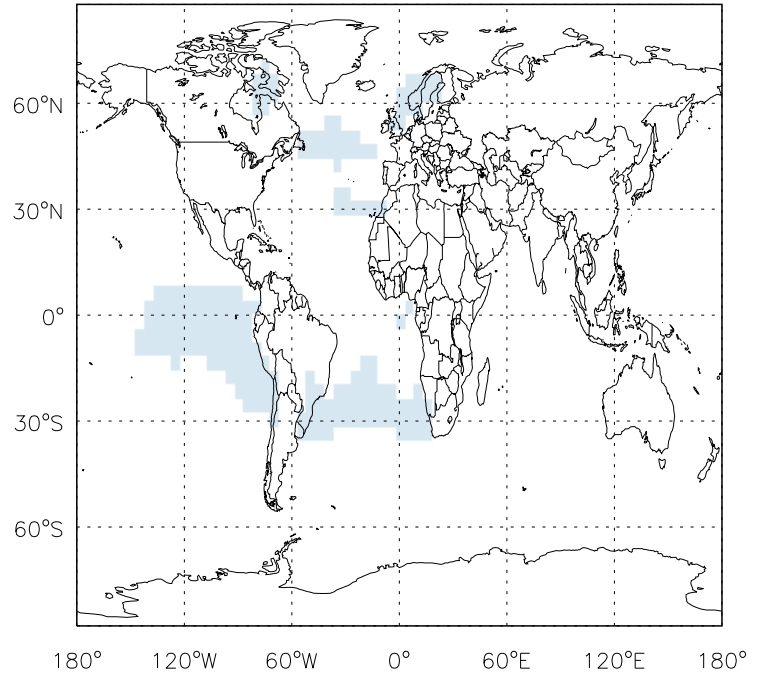
v11-01d-Run1 / v11-01b-Run0

MMN / Ratio @ Surface for Apr



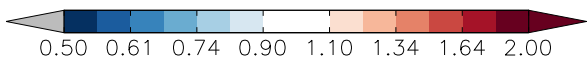
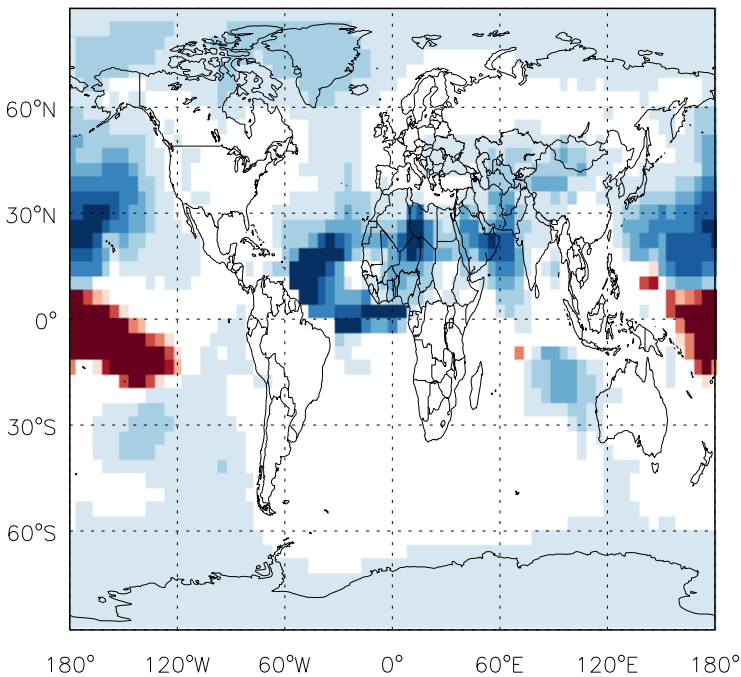
v11-01d-Run1 / v11-01b-Run0

MMN/ Ratio @ 500 hPa for Apr



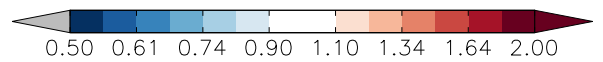
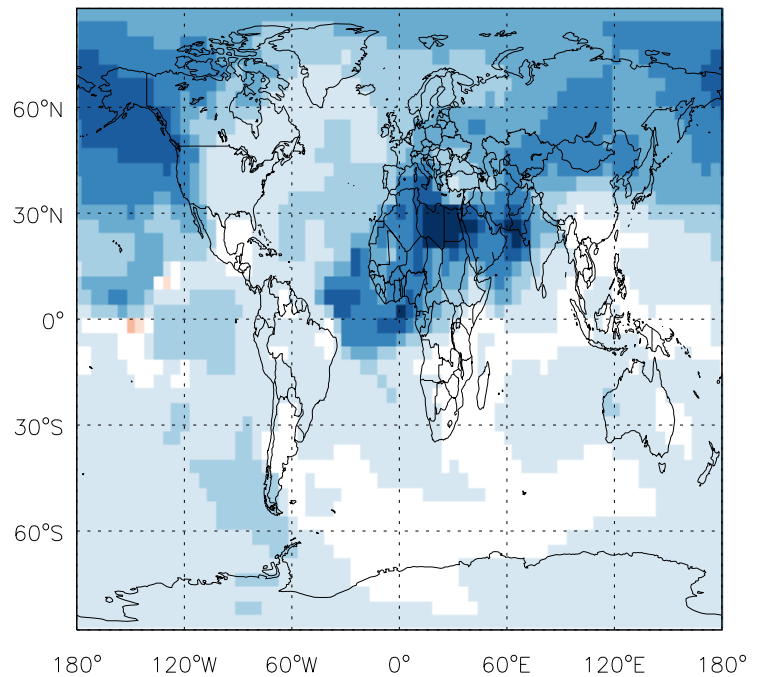
v11-01d-Run1 / v10-01-public-Run0

MMN / Ratio @ Surface for Apr



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

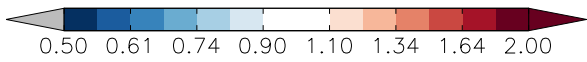
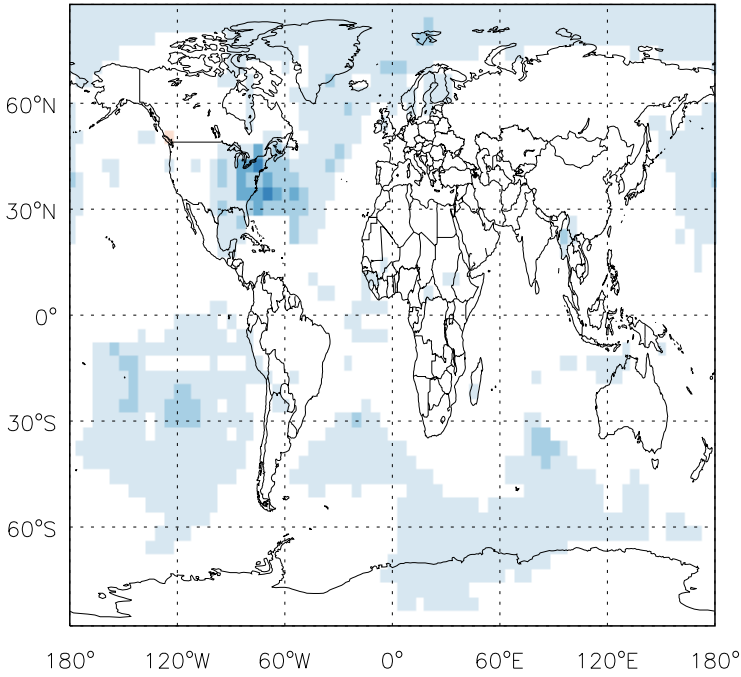
MMN/ Ratio @ 500 hPa for Apr



GEOS-Chem Ratio Maps at surface and 500 hPa

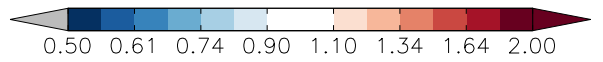
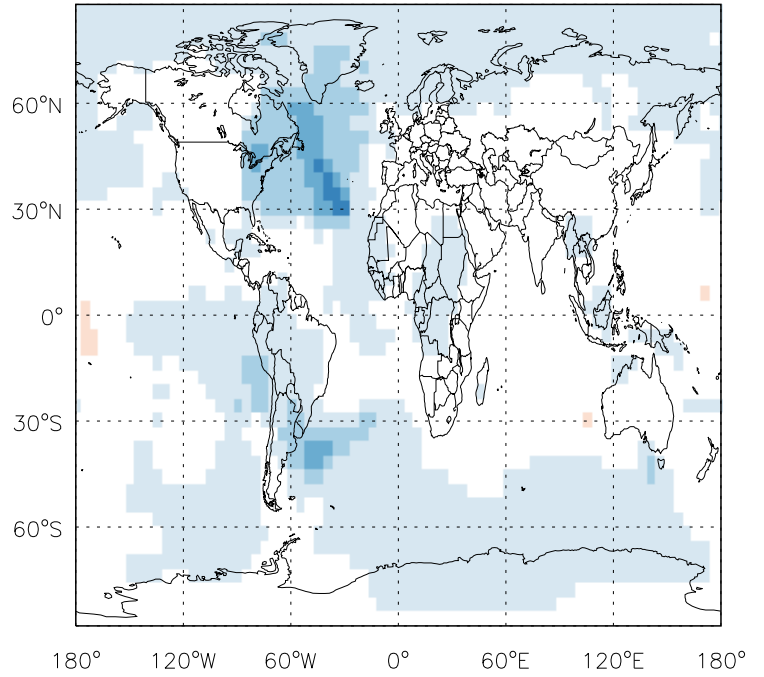
v11-01d-Run1 / v11-01b-Run0

RIP / Ratio @ Surface for Apr



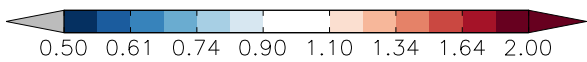
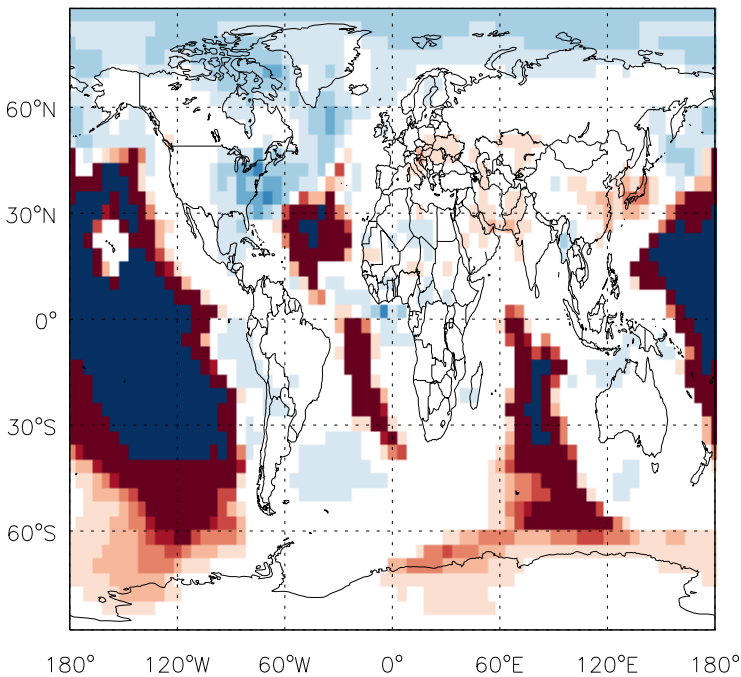
v11-01d-Run1 / v11-01b-Run0

RIP/ Ratio @ 500 hPa for Apr



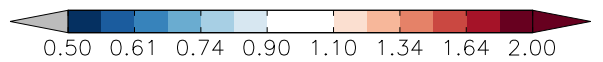
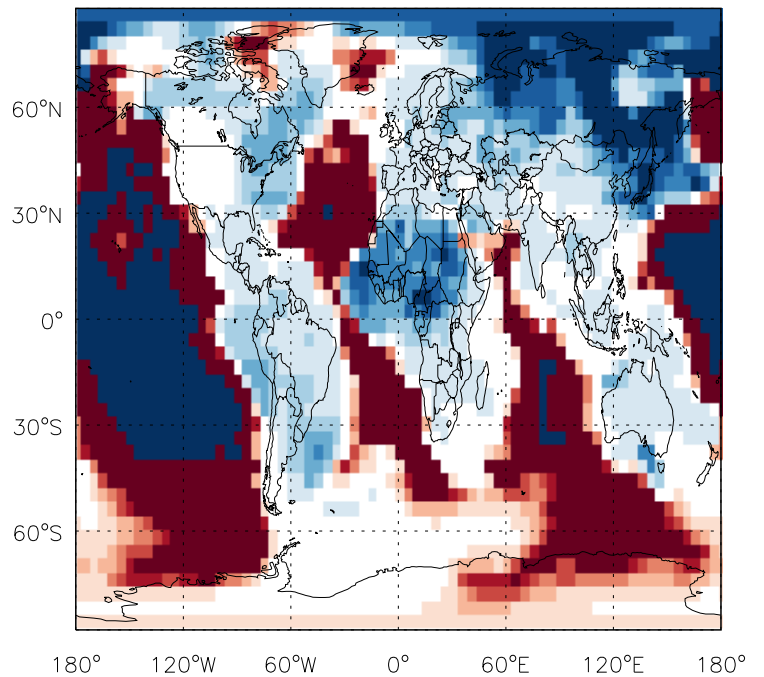
v11-01d-Run1 / v10-01-public-Run0

RIP / Ratio @ Surface for Apr



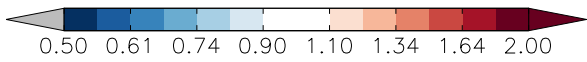
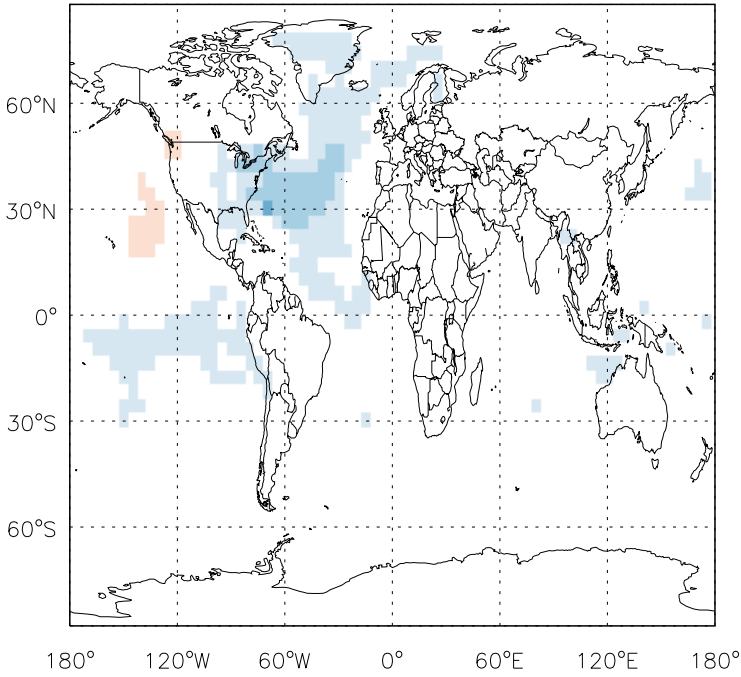
v11-01d-Run1 / v10-01-public-Run0

RIP/ Ratio @ 500 hPa for Apr

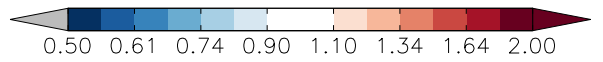
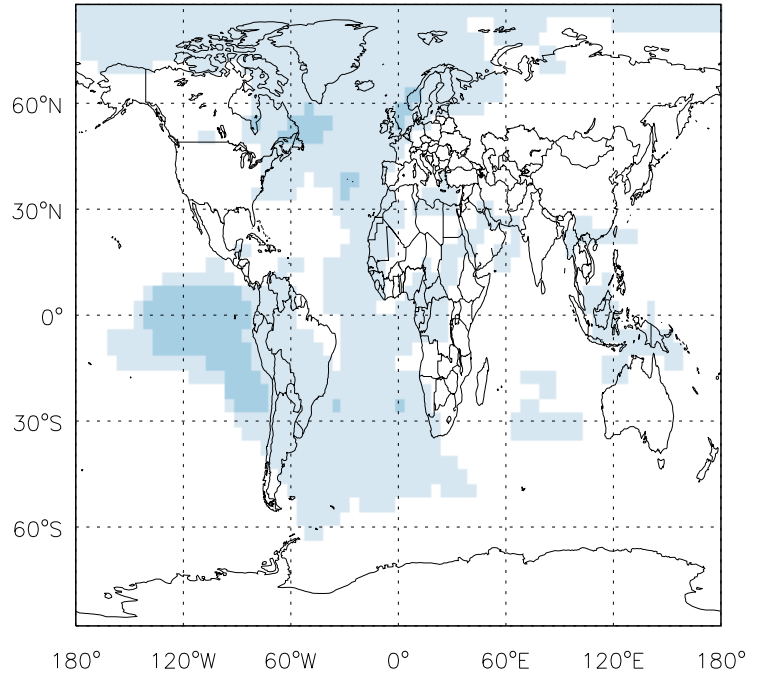


GEOS-Chem Ratio Maps at surface and 500 hPa

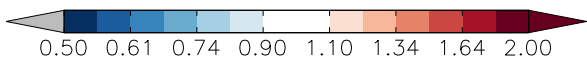
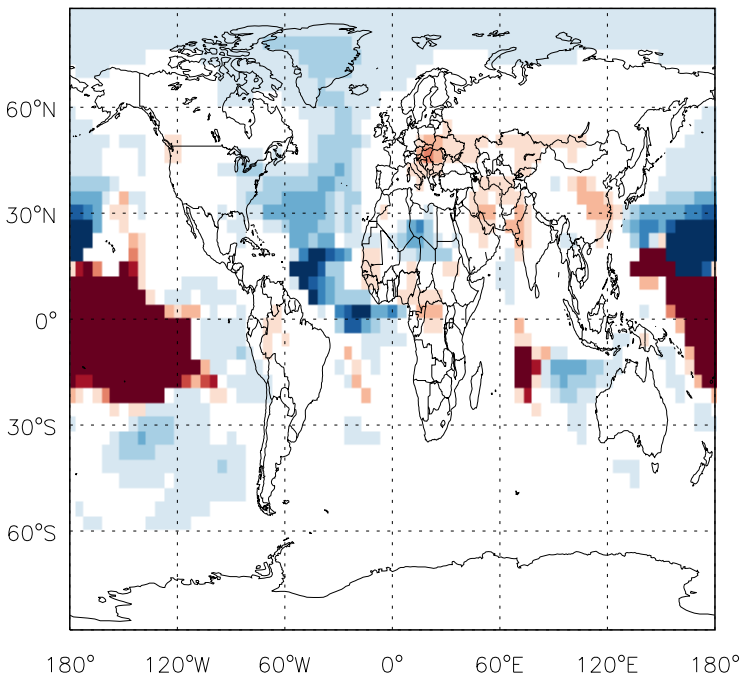
v11-01d-Run1 / v11-01b-Run0  
IEPOX / Ratio @ Surface for Apr



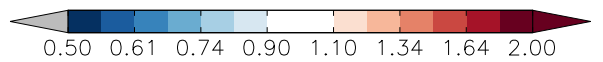
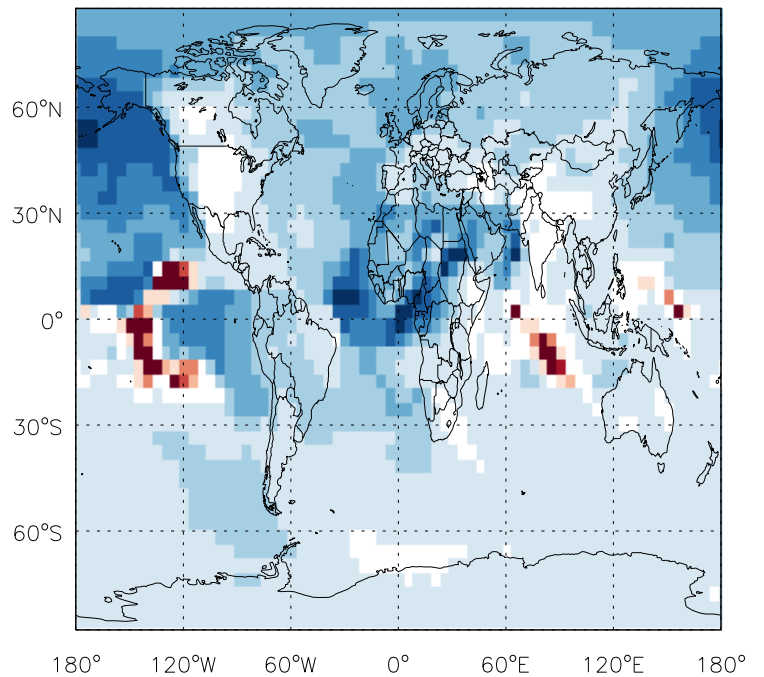
v11-01d-Run1 / v11-01b-Run0  
IEPOX/ Ratio @ 500 hPa for Apr



v11-01d-Run1 / v10-01-public-Run0  
IEPOX / Ratio @ Surface for Apr



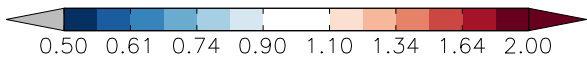
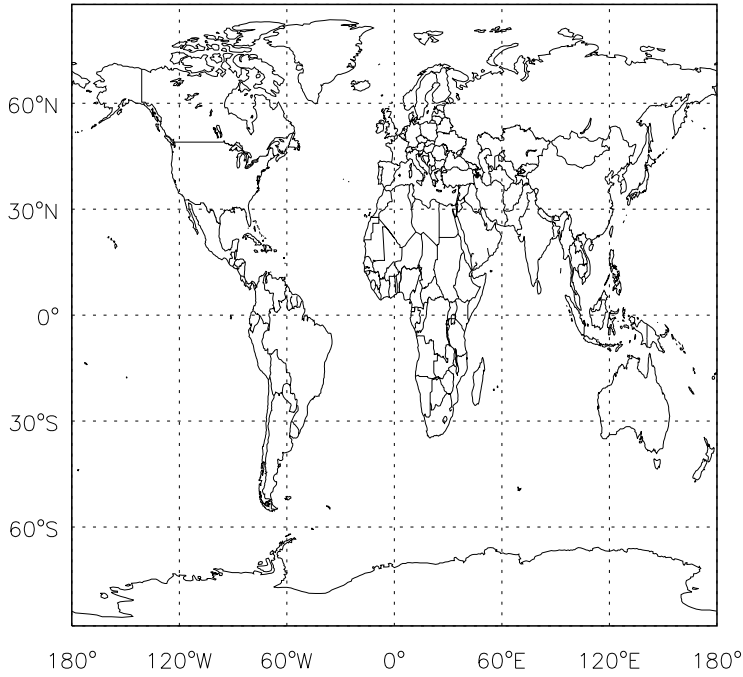
v11-01d-Run1 / v10-01-public-Run0  
IEPOX/ Ratio @ 500 hPa for Apr



GEOS-Chem Ratio Maps at surface and 500 hPa

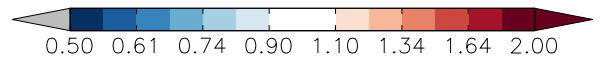
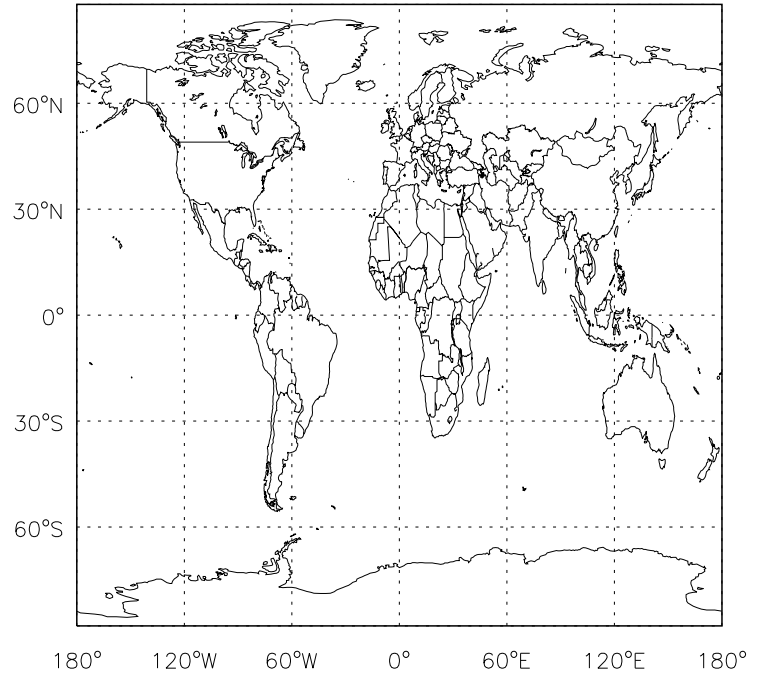
v11-01d-Run1 / v11-01b-Run0

MAP / Ratio @ Surface for Apr



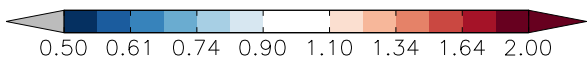
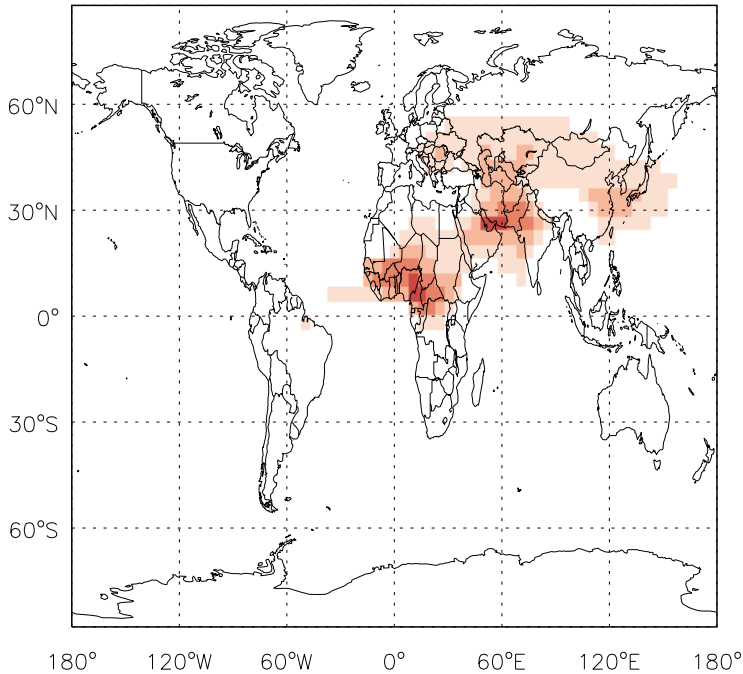
v11-01d-Run1 / v11-01b-Run0

MAP / Ratio @ 500 hPa for Apr



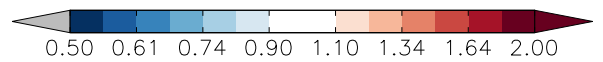
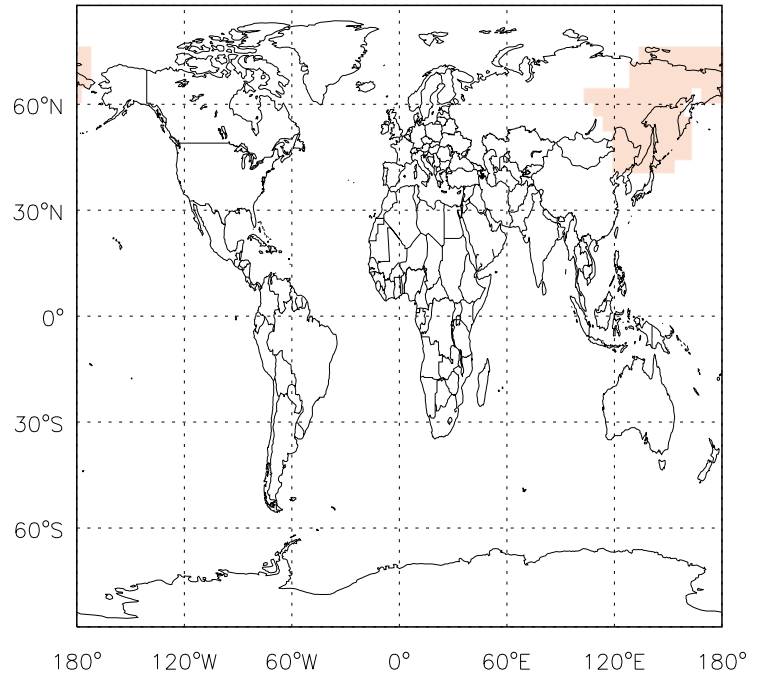
v11-01d-Run1 / v10-01-public-Run0

MAP / Ratio @ Surface for Apr



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

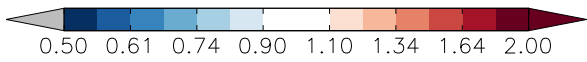
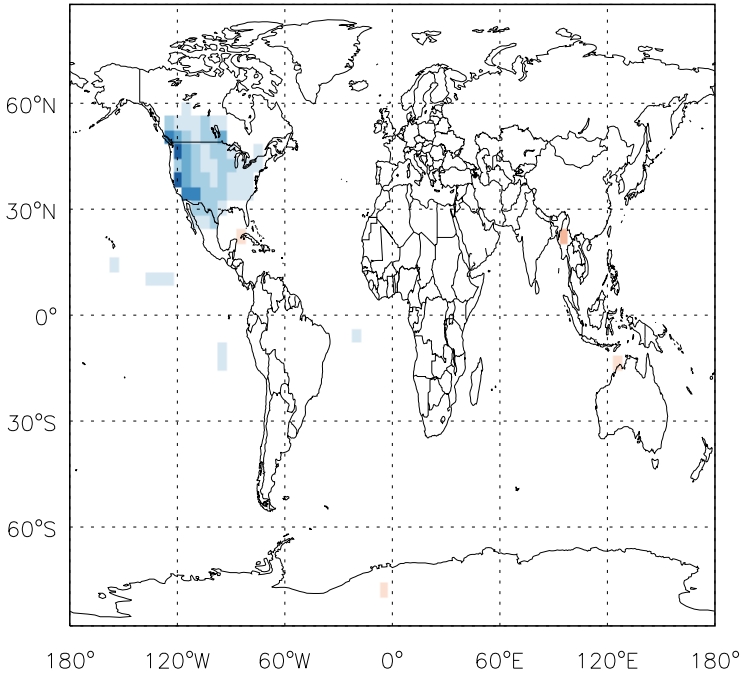
MAP / Ratio @ 500 hPa for Apr



# GEOS-Chem Ratio Maps at surface and 500 hPa

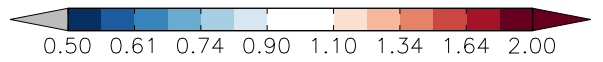
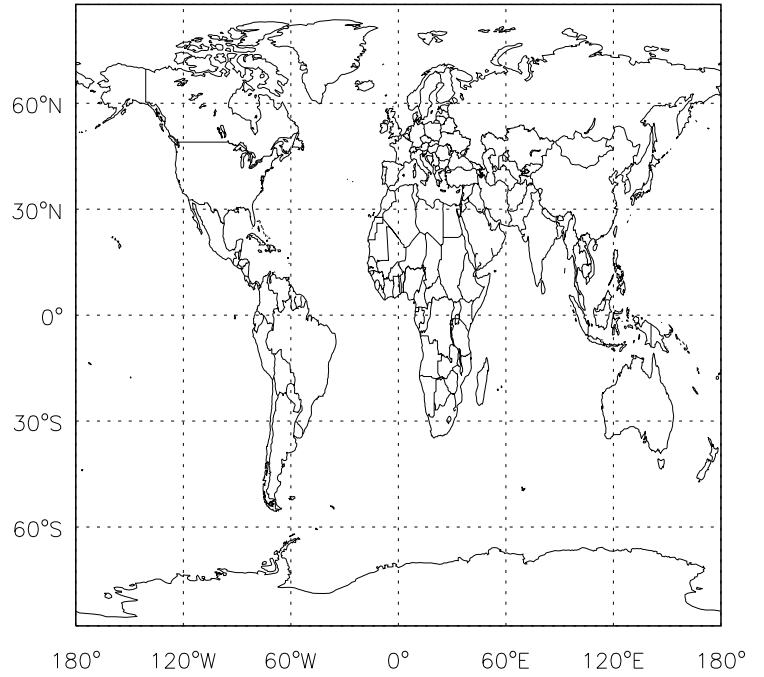
v11-01d-Run1 / v11-01b-Run0

NO<sub>2</sub> / Ratio @ Surface for Apr



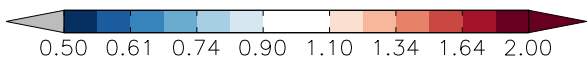
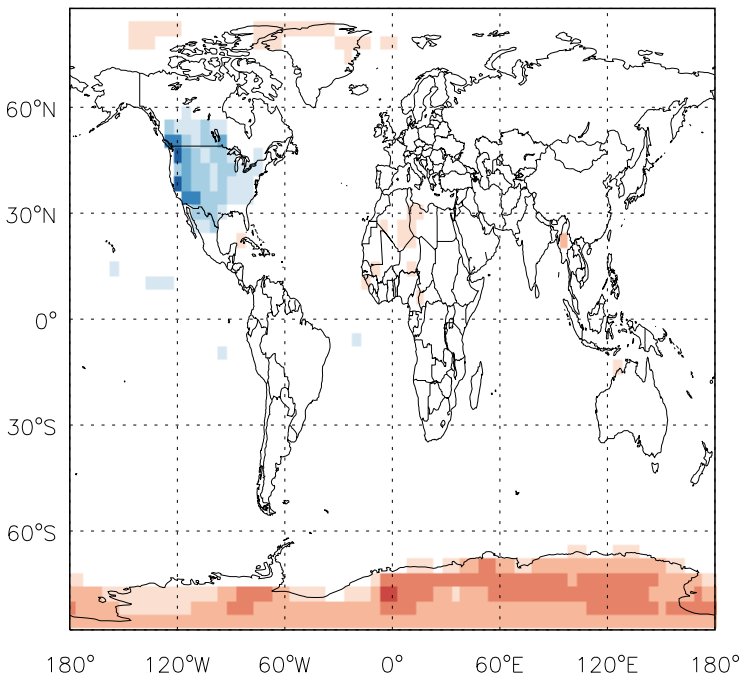
v11-01d-Run1 / v11-01b-Run0

NO<sub>2</sub> / Ratio @ 500 hPa for Apr



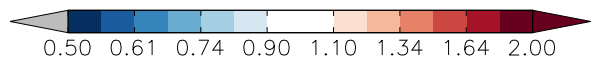
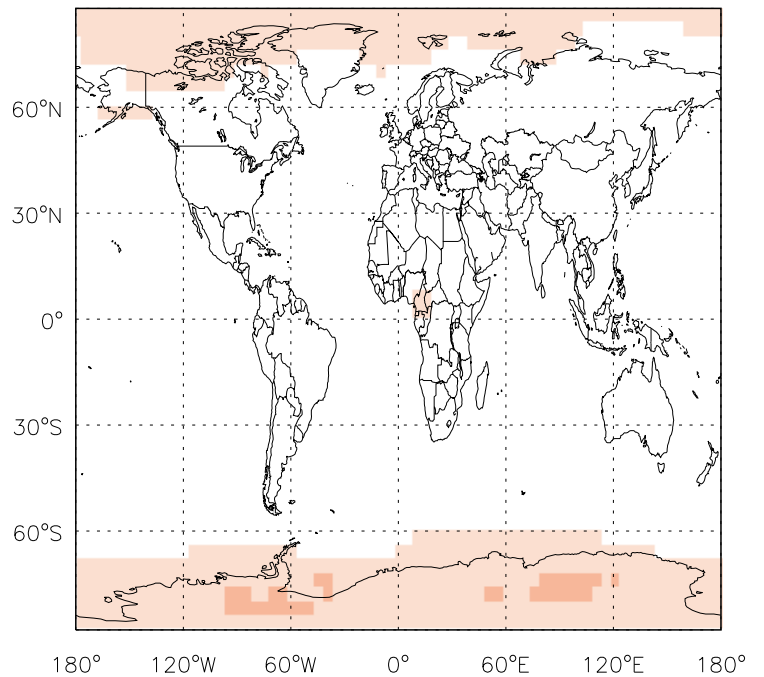
v11-01d-Run1 / v10-01-public-Run0

NO<sub>2</sub> / Ratio @ Surface for Apr



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

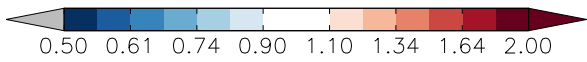
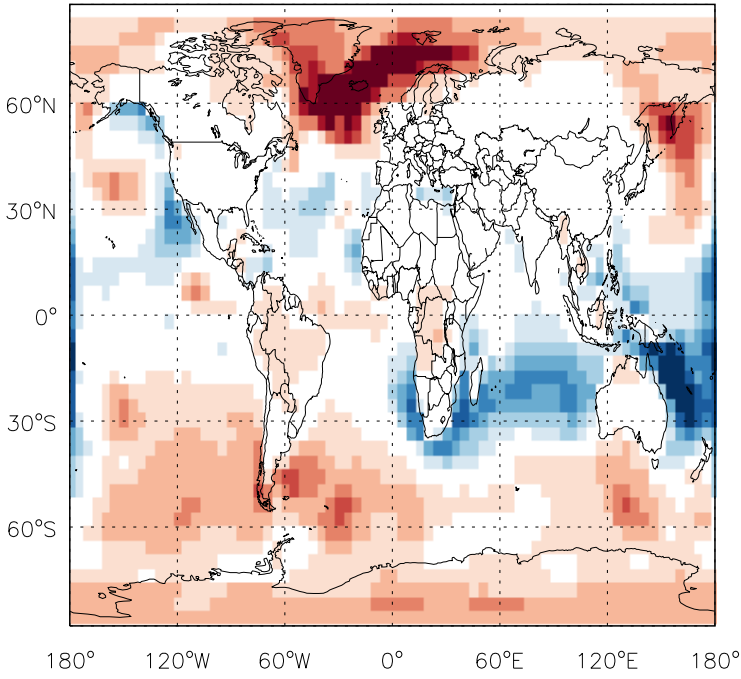
NO<sub>2</sub> / Ratio @ 500 hPa for Apr



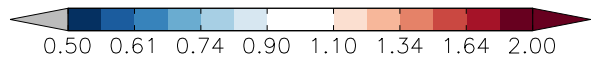
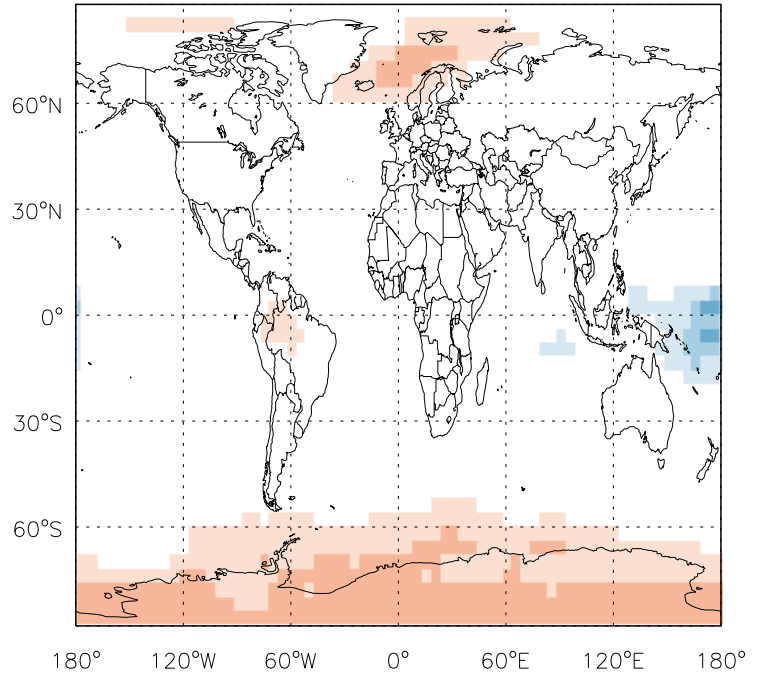


GEOS-Chem Ratio Maps at surface and 500 hPa

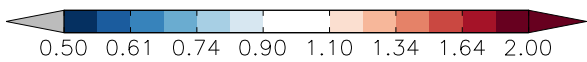
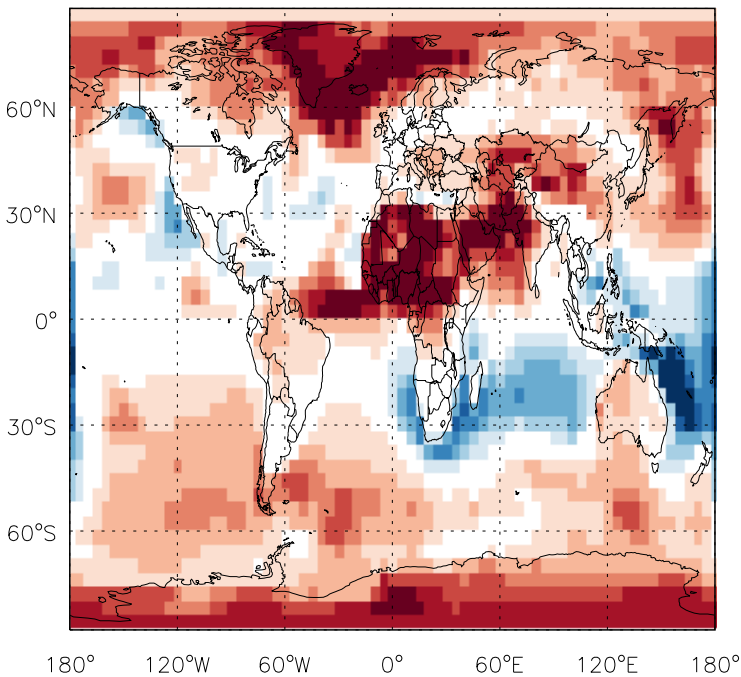
v11-01d-Run1 / v11-01b-Run0  
NO<sub>3</sub> / Ratio @ Surface for Apr



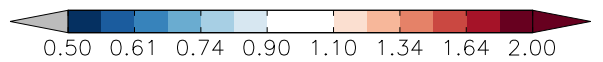
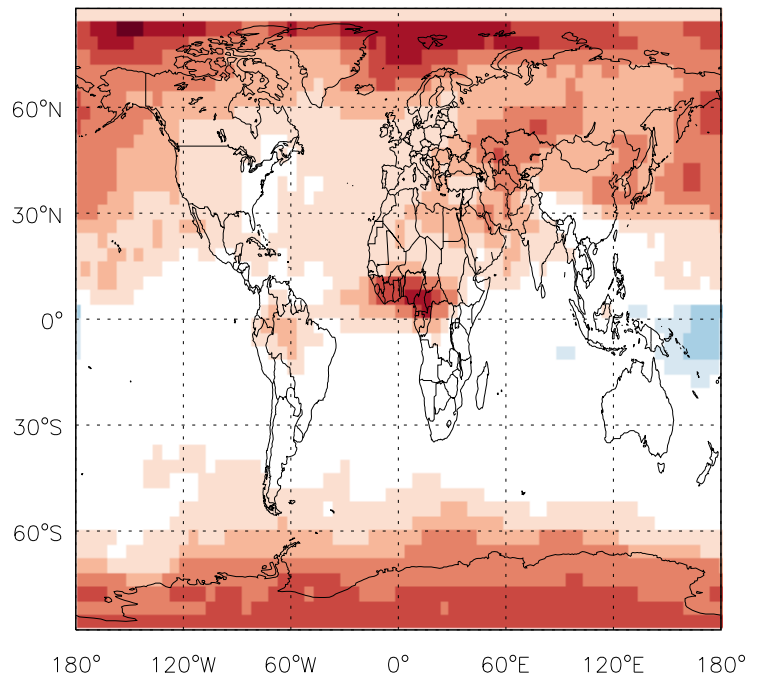
v11-01d-Run1 / v11-01b-Run0  
NO<sub>3</sub> / Ratio @ 500 hPa for Apr



v11-01d-Run1 / v10-01-public-Run0  
NO<sub>3</sub> / Ratio @ Surface for Apr

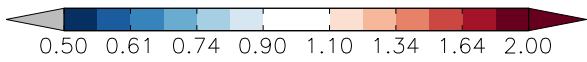
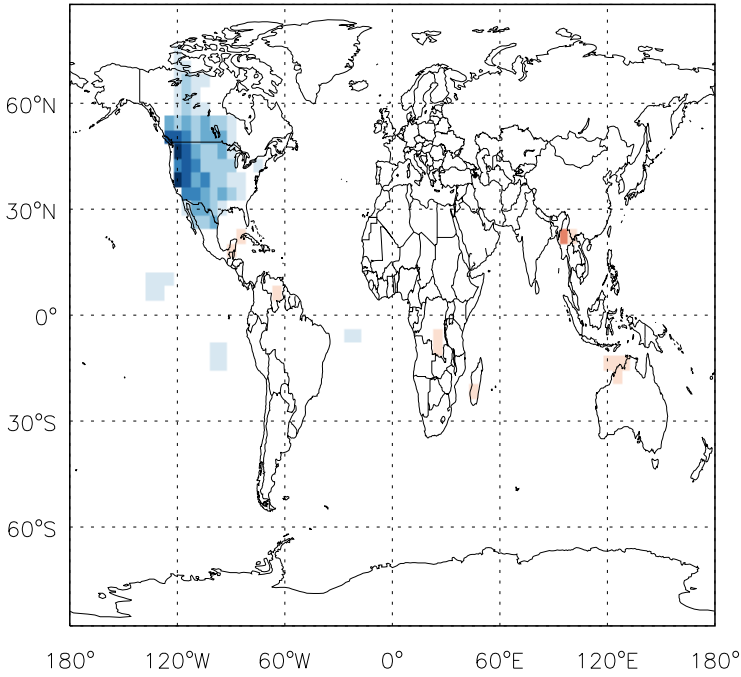


v11-01d-Run1 / v10-01-public-Run0  
NO<sub>3</sub> / Ratio @ 500 hPa for Apr

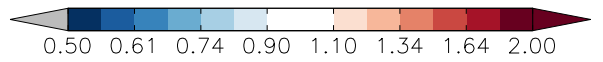
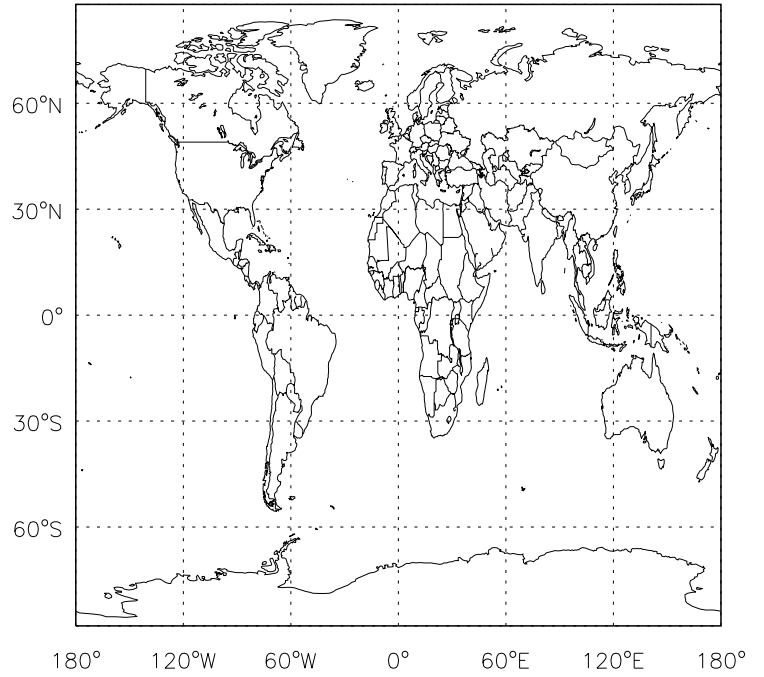


GEOS-Chem Ratio Maps at surface and 500 hPa

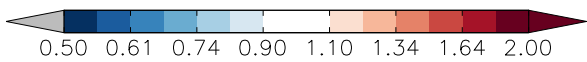
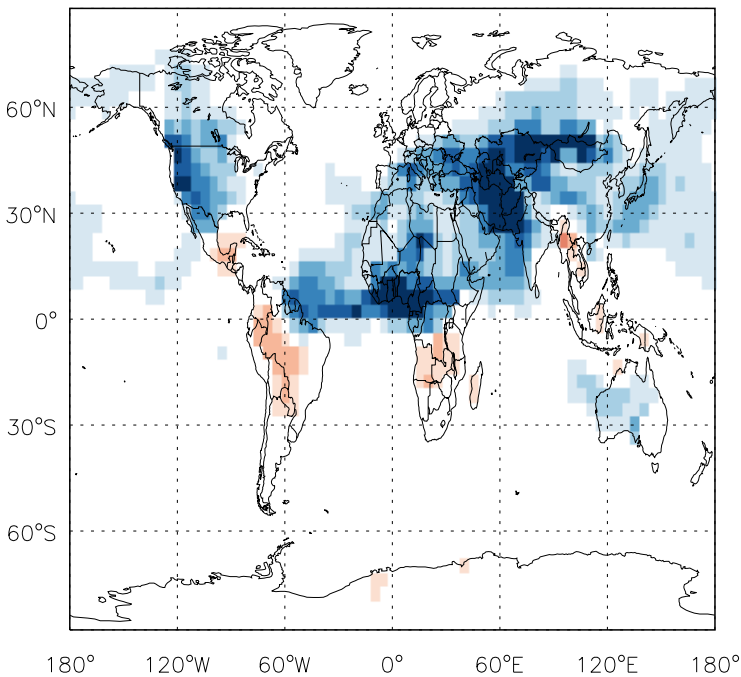
v11-01d-Run1 / v11-01b-Run0  
HN02 / Ratio @ Surface for Apr



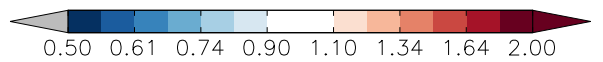
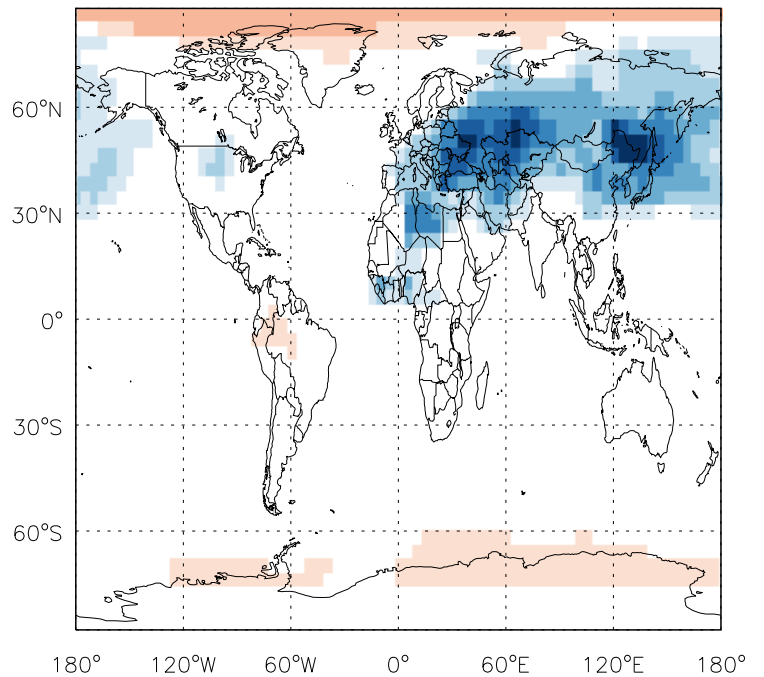
v11-01d-Run1 / v11-01b-Run0  
HN02/ Ratio @ 500 hPa for Apr



v11-01d-Run1 / v10-01-public-Run0  
HN02 / Ratio @ Surface for Apr

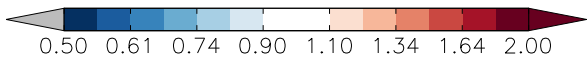
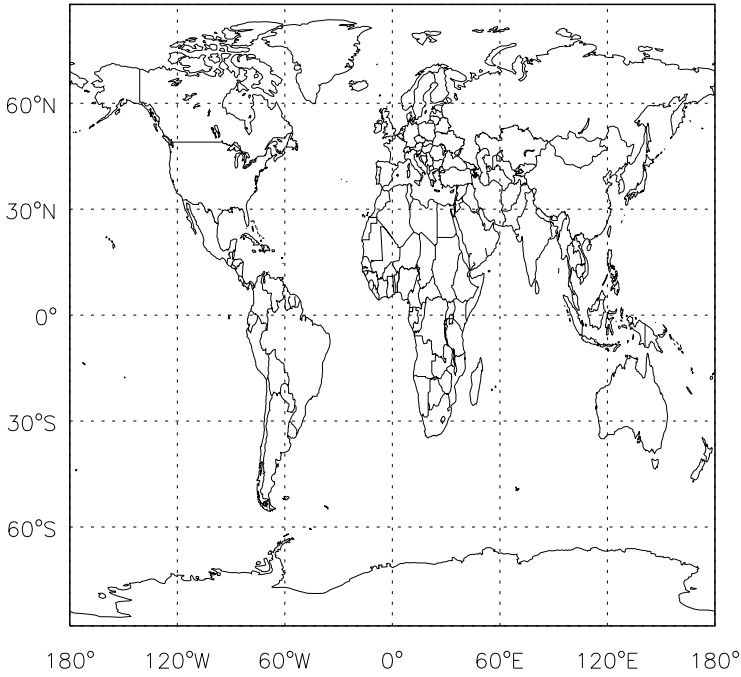


v11-01d-Run1 / v10-01-public-Run0  
HN02/ Ratio @ 500 hPa for Apr

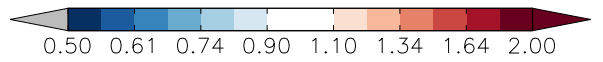
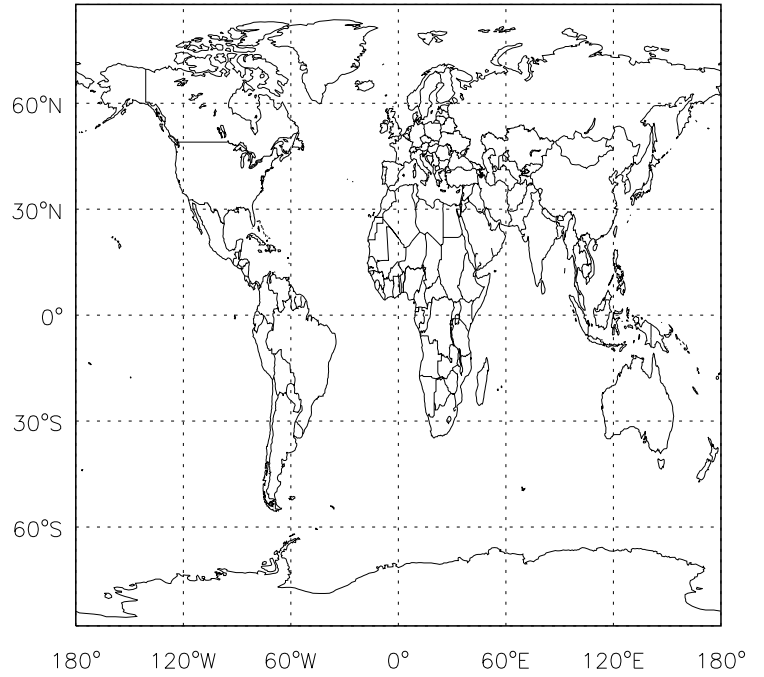


GEOS-Chem Ratio Maps at surface and 500 hPa

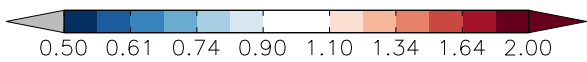
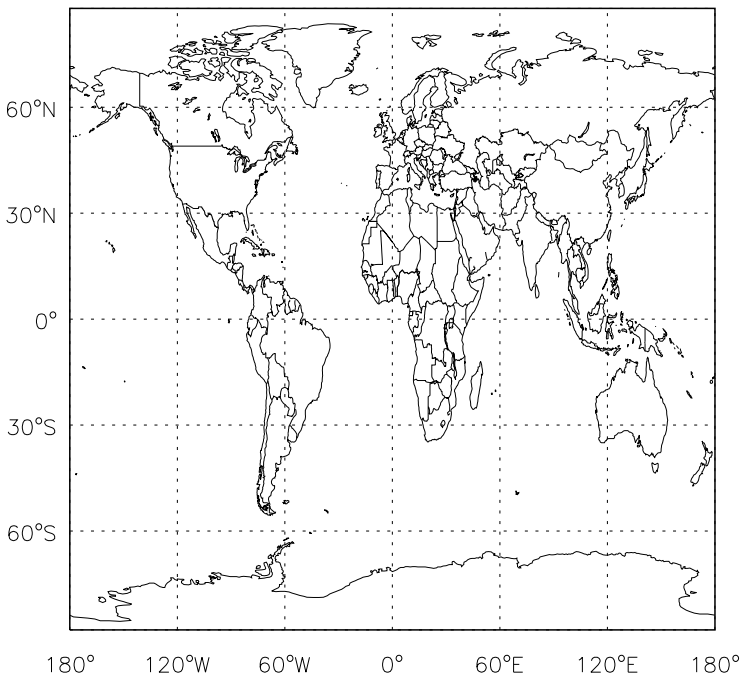
v11-01d-Run1 / v11-01b-Run0  
N2O / Ratio @ Surface for Apr



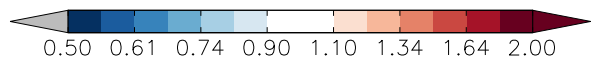
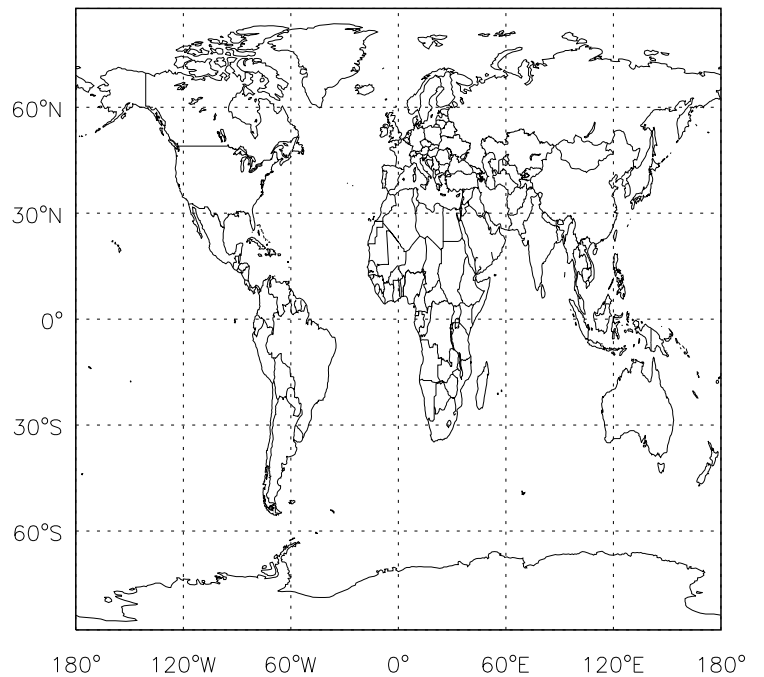
v11-01d-Run1 / v11-01b-Run0  
N2O/ Ratio @ 500 hPa for Apr



v11-01d-Run1 / v10-01-public-Run0  
N2O / Ratio @ Surface for Apr



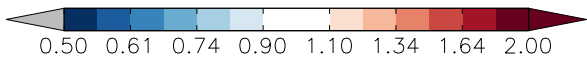
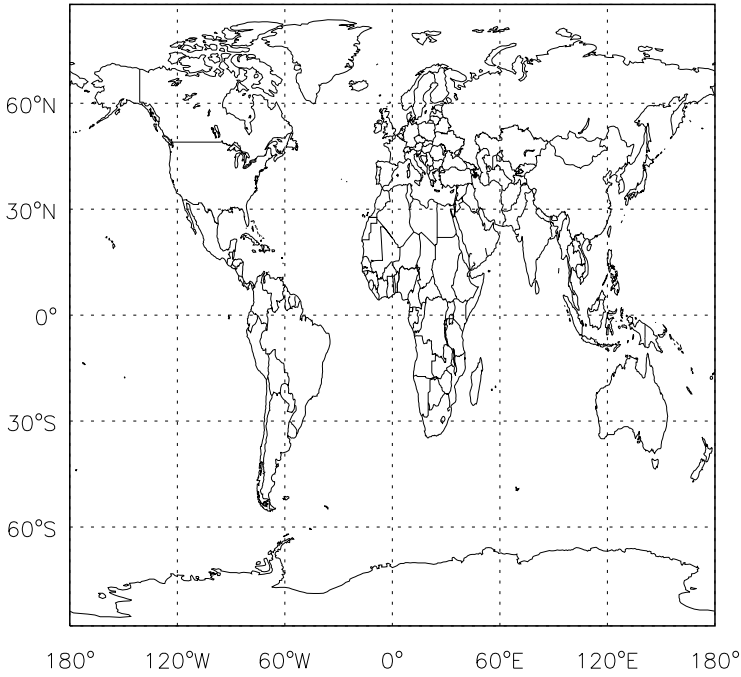
v11-01d-Run1 / v10-01-public-Run0  
N2O/ Ratio @ 500 hPa for Apr



GEOS-Chem Ratio Maps at surface and 500 hPa

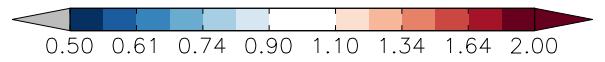
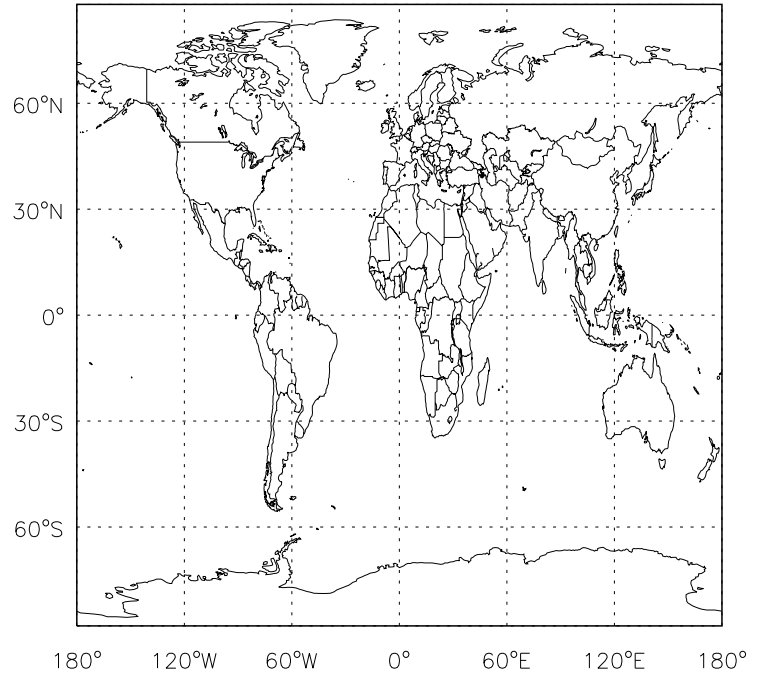
v11-01d-Run1 / v11-01b-Run0

OCS / Ratio @ Surface for Apr



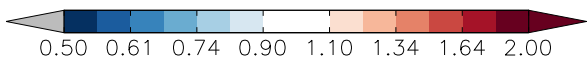
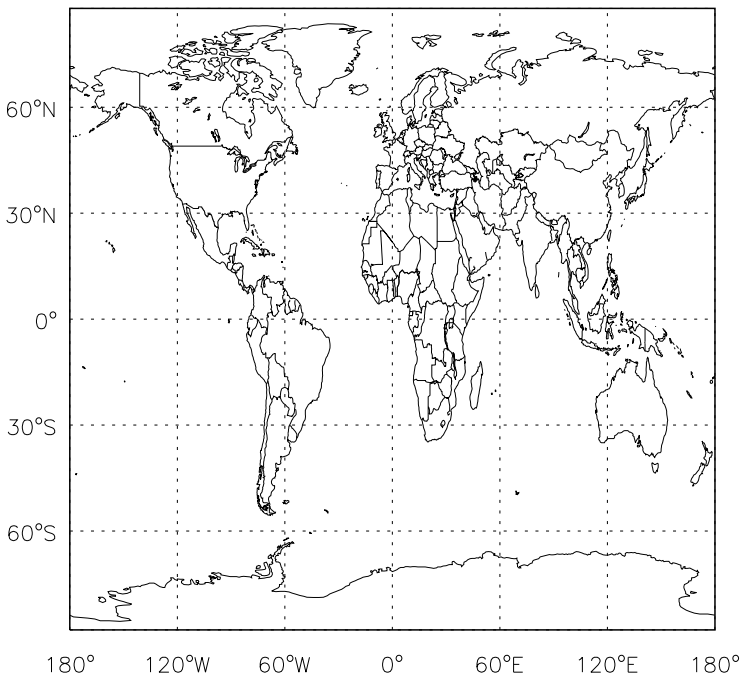
v11-01d-Run1 / v11-01b-Run0

OCS / Ratio @ 500 hPa for Apr



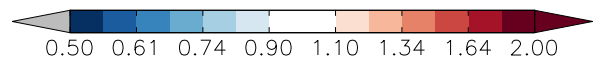
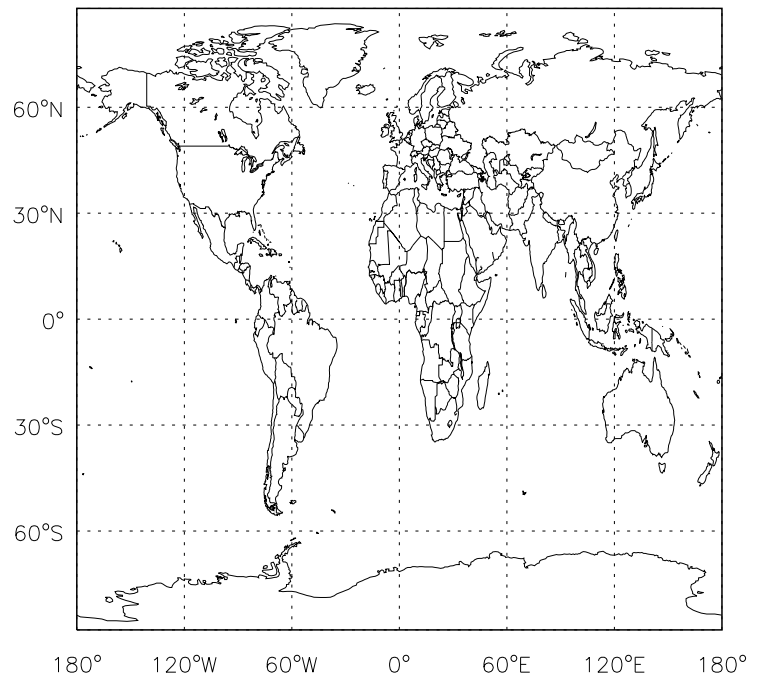
v11-01d-Run1 / v10-01-public-Run0

OCS / Ratio @ Surface for Apr



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

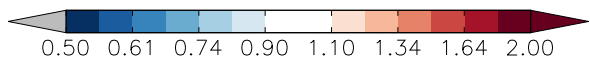
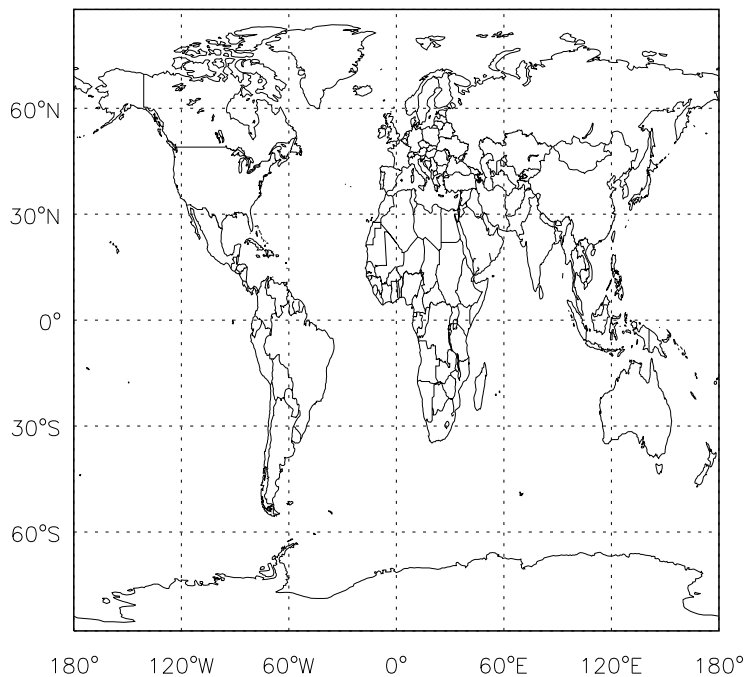
OCS / Ratio @ 500 hPa for Apr



GEOS-Chem Ratio Maps at surface and 500 hPa

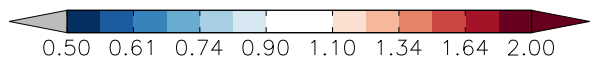
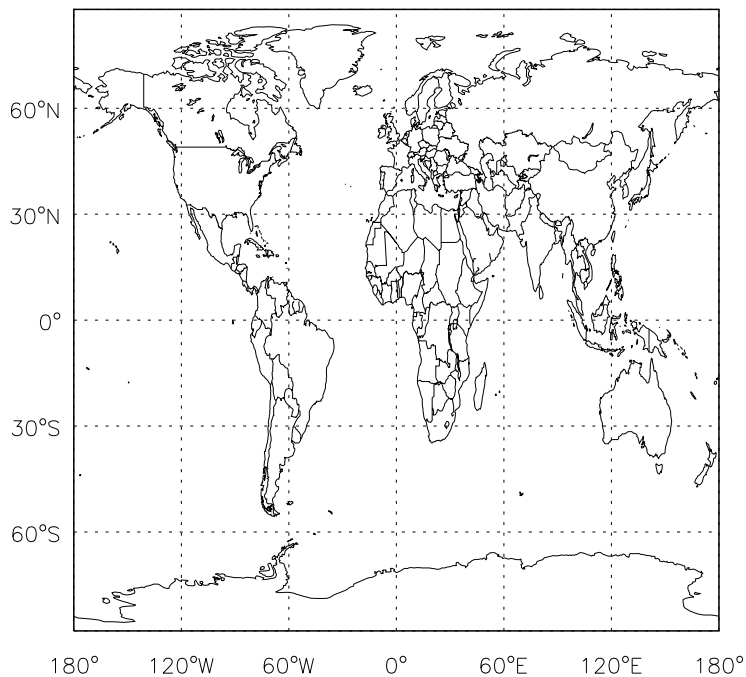
v11-01d-Run1 / v11-01b-Run0

CH4 / Ratio @ Surface for Apr



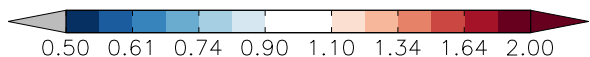
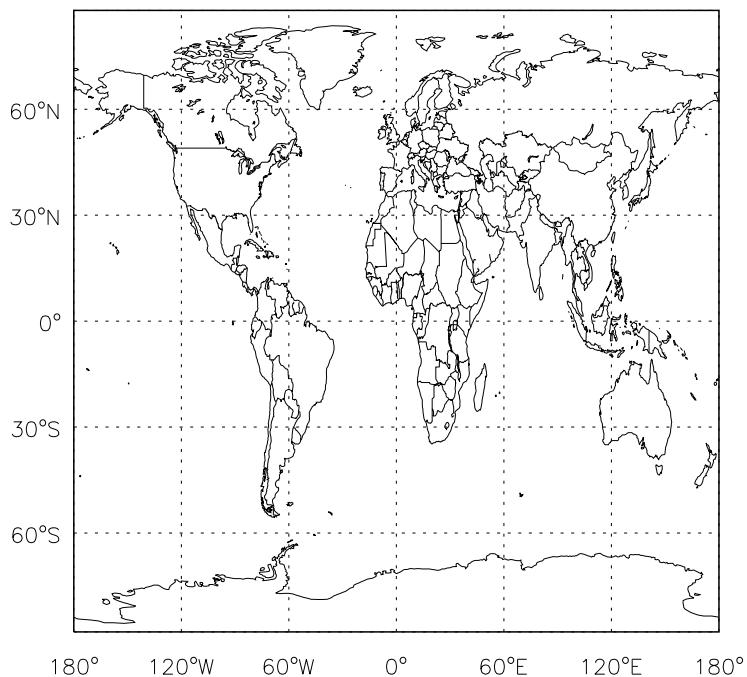
v11-01d-Run1 / v11-01b-Run0

CH4/ Ratio @ 500 hPa for Apr



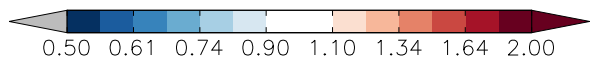
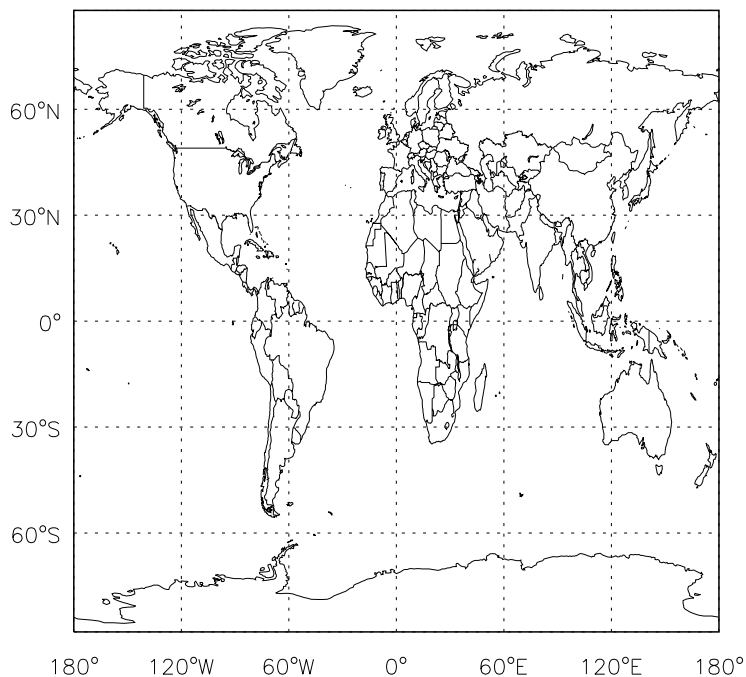
v11-01d-Run1 / v10-01-public-Run0

CH4 / Ratio @ Surface for Apr



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

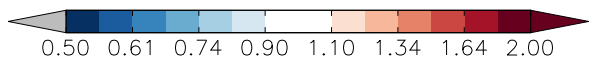
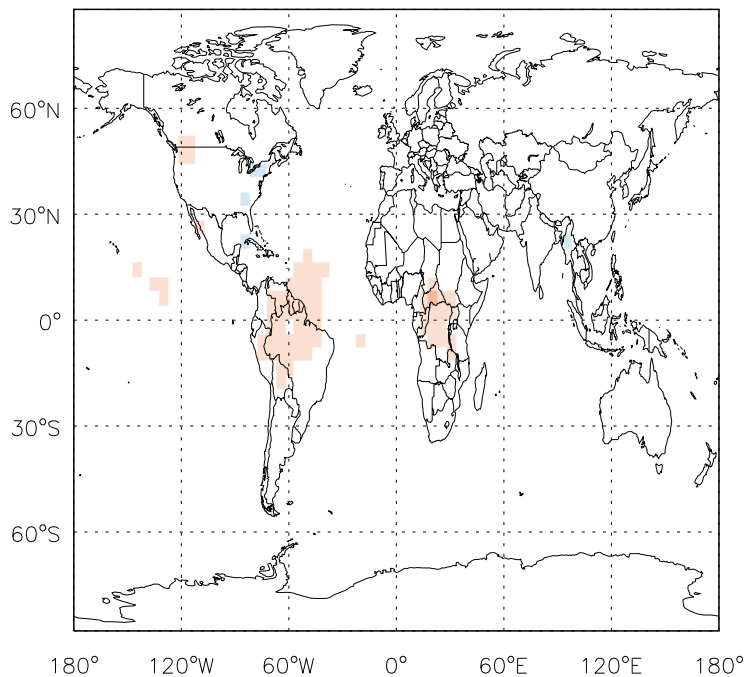
CH4/ Ratio @ 500 hPa for Apr



GEOS-Chem Ratio Maps at surface and 500 hPa

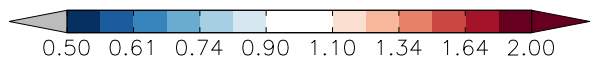
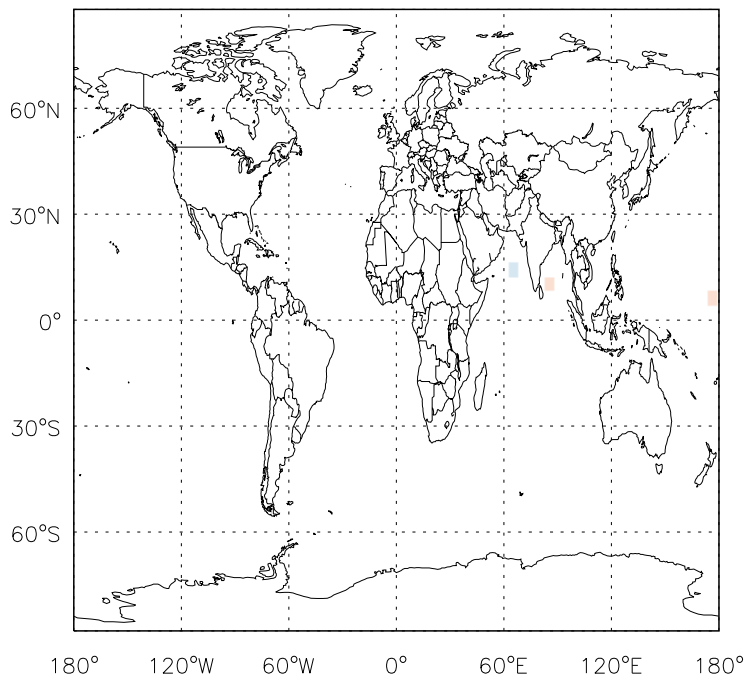
v11-01d-Run1 / v11-01b-Run0

BrCl / Ratio @ Surface for Apr



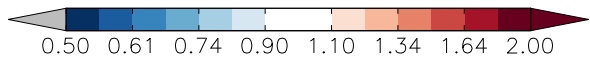
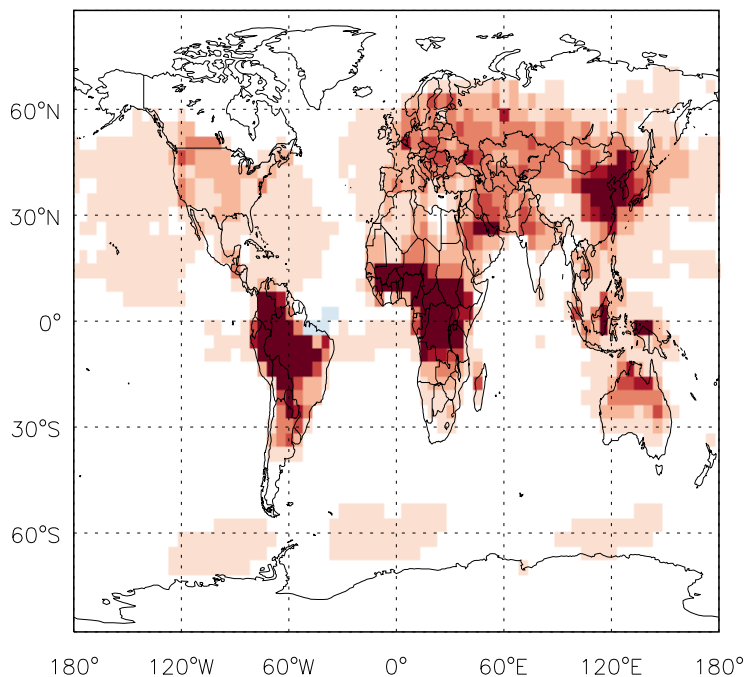
v11-01d-Run1 / v11-01b-Run0

BrCl / Ratio @ 500 hPa for Apr



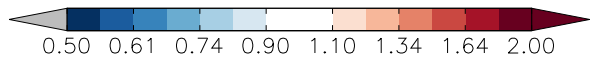
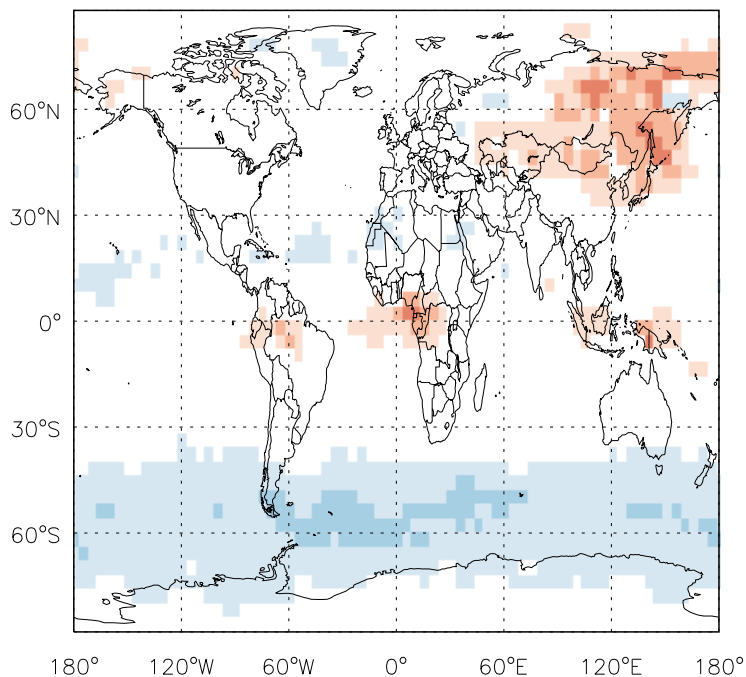
v11-01d-Run1 / v10-01-public-Run0

BrCl / Ratio @ Surface for Apr



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

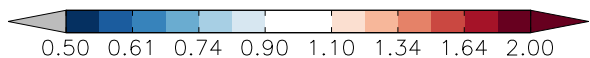
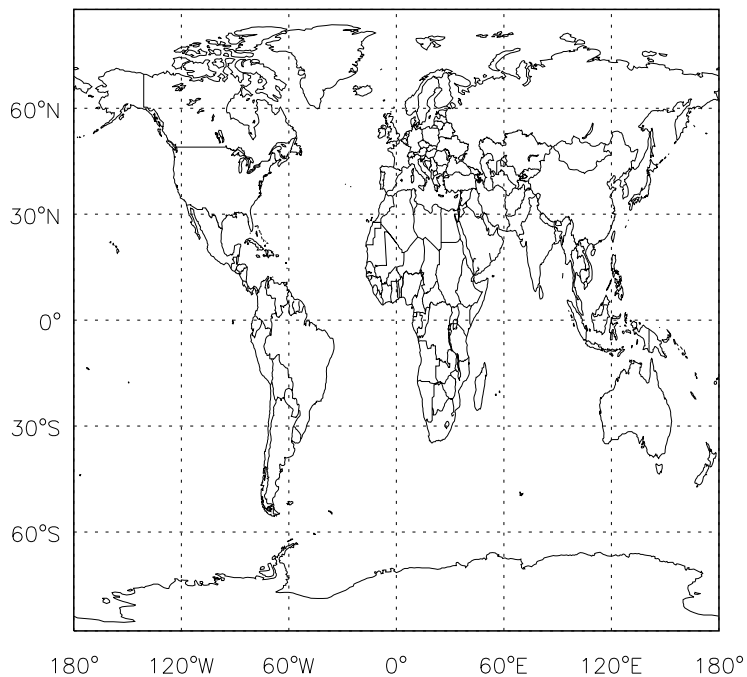
BrCl / Ratio @ 500 hPa for Apr



# GEOS-Chem Ratio Maps at surface and 500 hPa

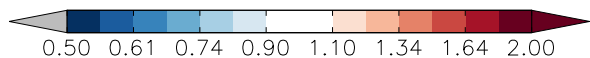
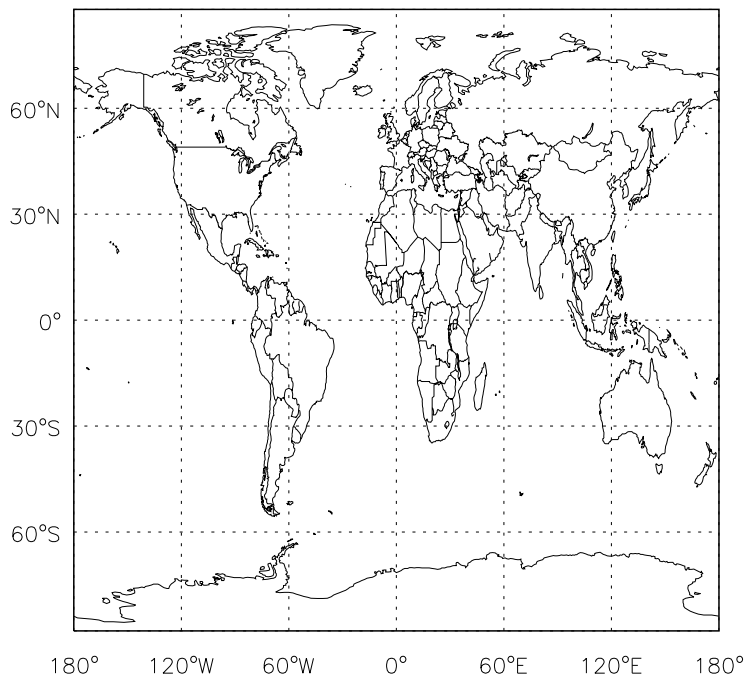
v11-01d-Run1 / v11-01b-Run0

HCl / Ratio @ Surface for Apr



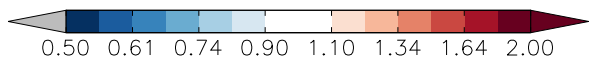
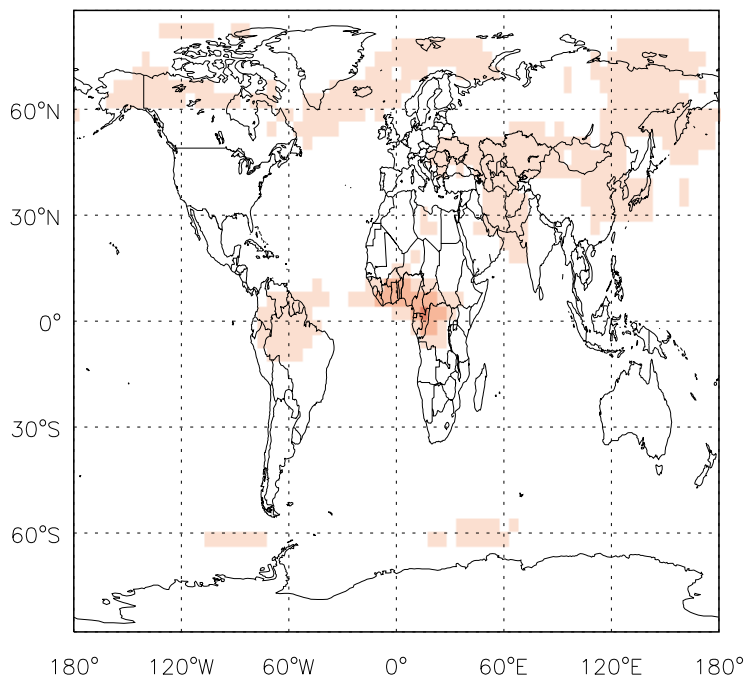
v11-01d-Run1 / v11-01b-Run0

HCl/ Ratio @ 500 hPa for Apr



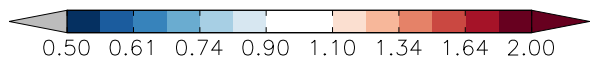
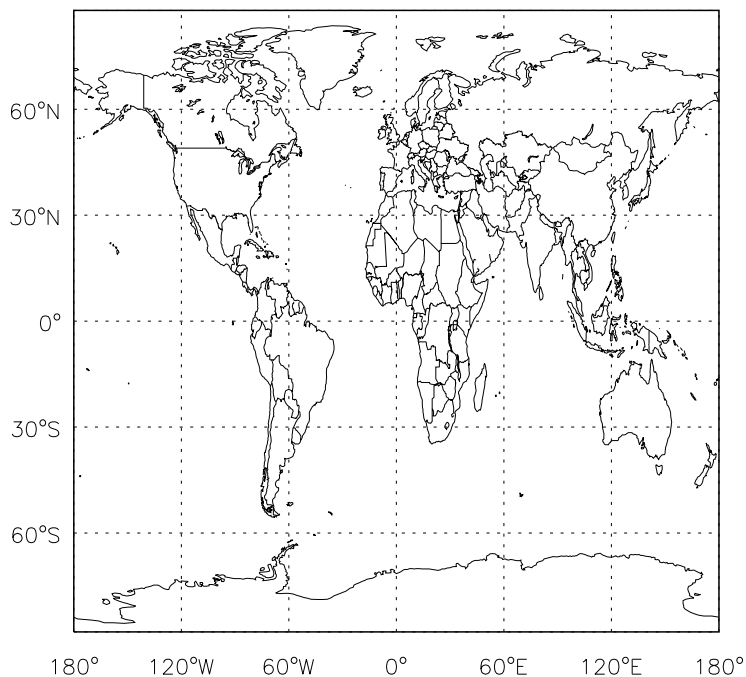
v11-01d-Run1 / v10-01-public-Run0

HCl / Ratio @ Surface for Apr



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

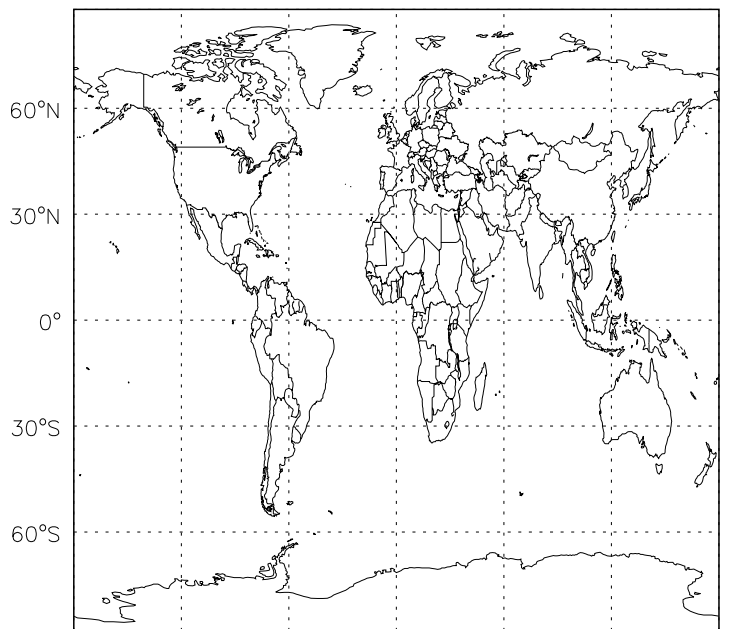
HCl/ Ratio @ 500 hPa for Apr



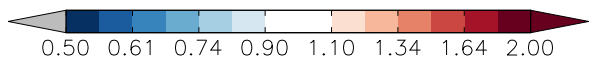
# GEOS-Chem Ratio Maps at surface and 500 hPa

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

CCl4 / Ratio @ Surface for Apr

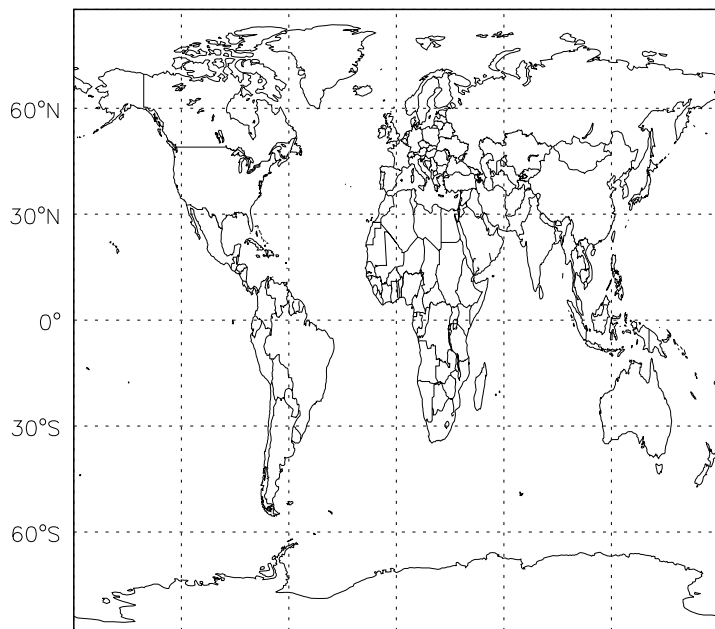


180° 120°W 60°W 0° 60°E 120°E 180°

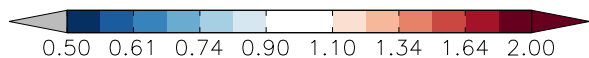


v11-01d-Run1 / v11-01b-Run0

CCl4/ Ratio @ 500 hPa for Apr

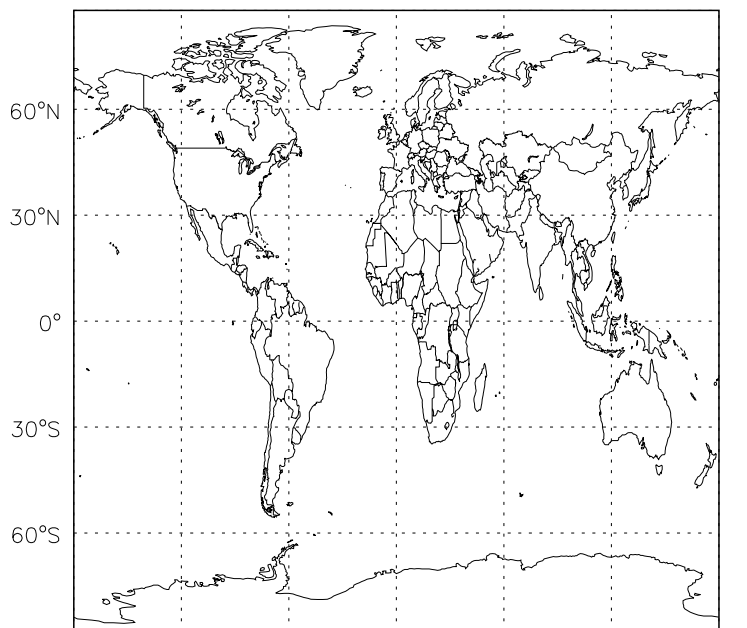


180° 120°W 60°W 0° 60°E 120°E 180°

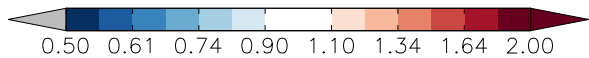


v11-01d-Run1 / v10-01-public-Run0

CCl4 / Ratio @ Surface for Apr

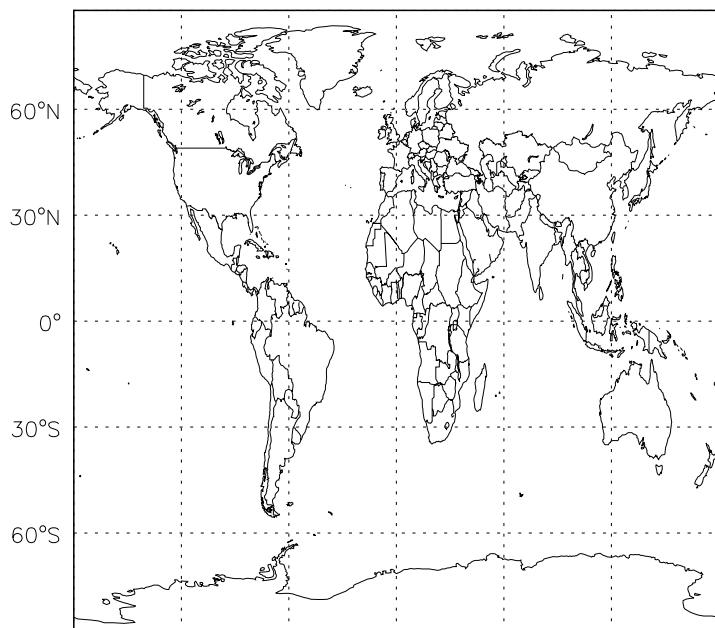


180° 120°W 60°W 0° 60°E 120°E 180°

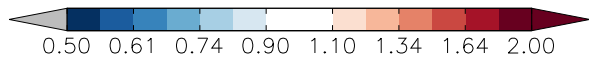


v11-01d-Run1 / v10-01-public-Run0

CCl4/ Ratio @ 500 hPa for Apr



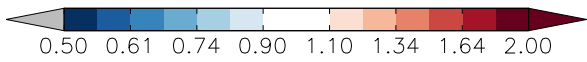
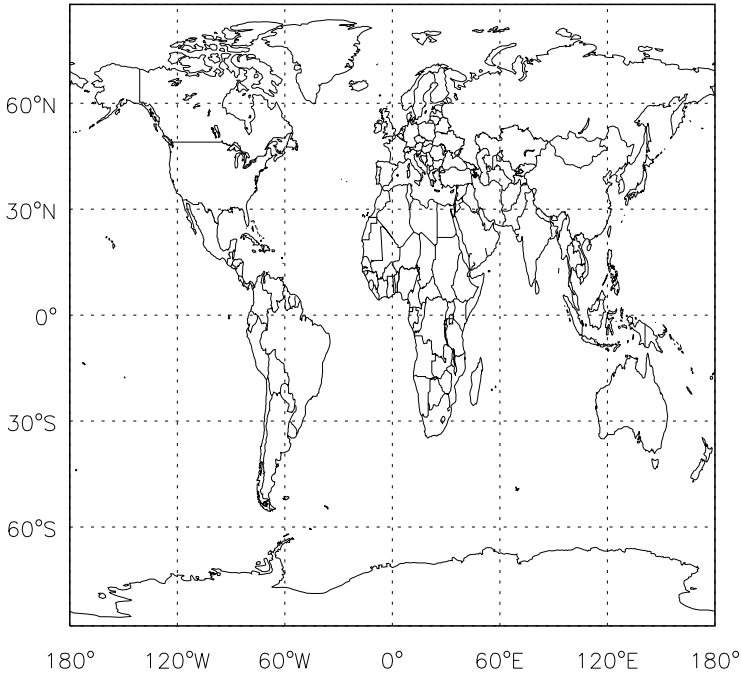
180° 120°W 60°W 0° 60°E 120°E 180°



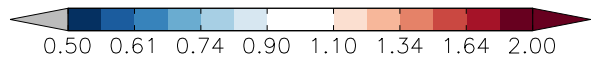
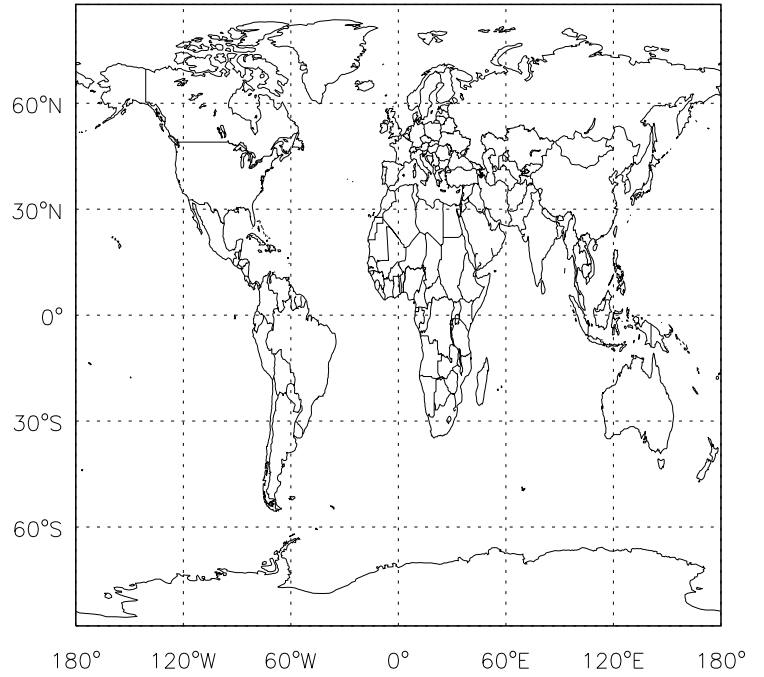


GEOS-Chem Ratio Maps at surface and 500 hPa

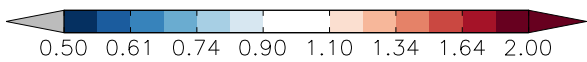
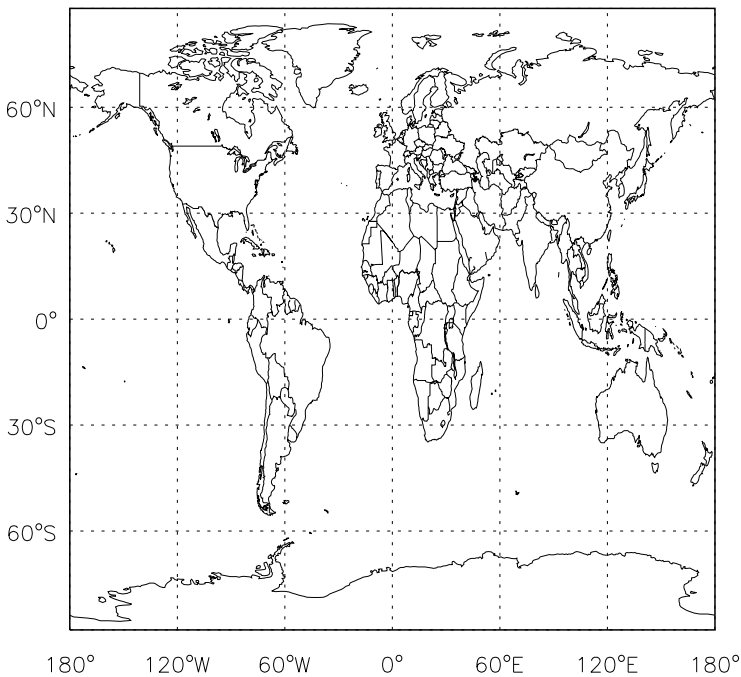
v11-01d-Run1 / v11-01b-Run0  
CH3Cl / Ratio @ Surface for Apr



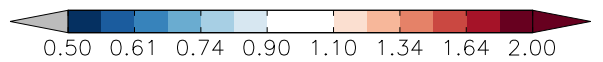
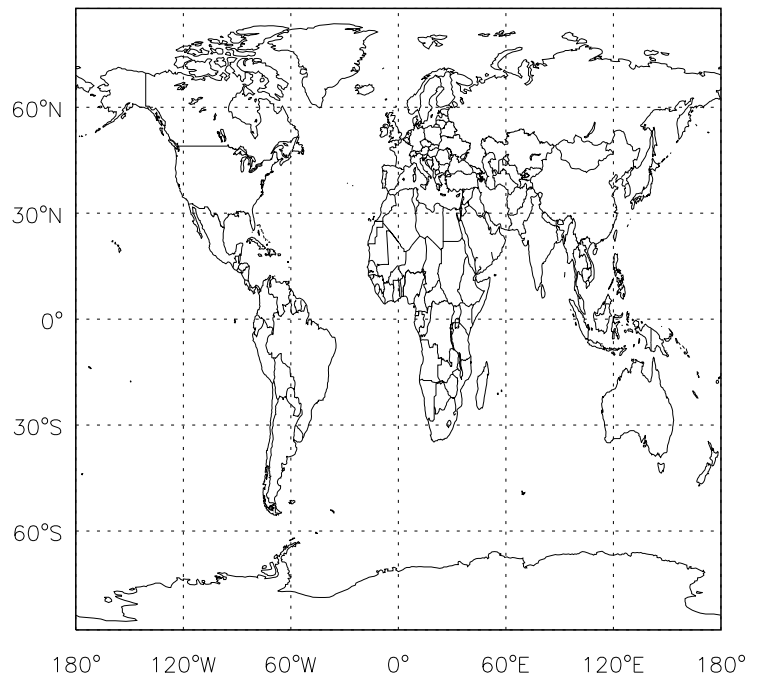
v11-01d-Run1 / v11-01b-Run0  
CH3Cl/ Ratio @ 500 hPa for Apr



v11-01d-Run1 / v10-01-public-Run0  
CH3Cl / Ratio @ Surface for Apr

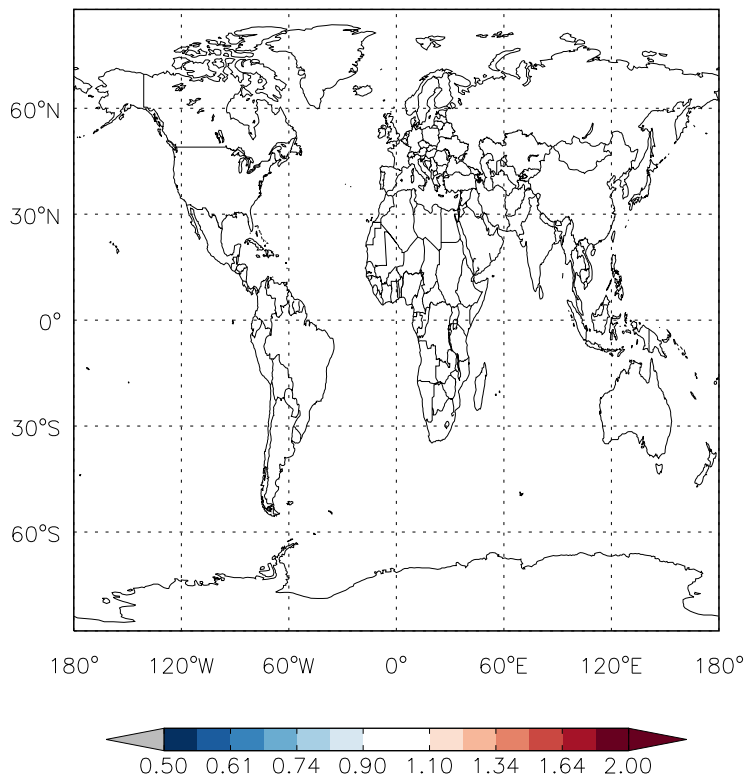


v11-01d-Run1 / v10-01-public-Run0  
CH3Cl/ Ratio @ 500 hPa for Apr

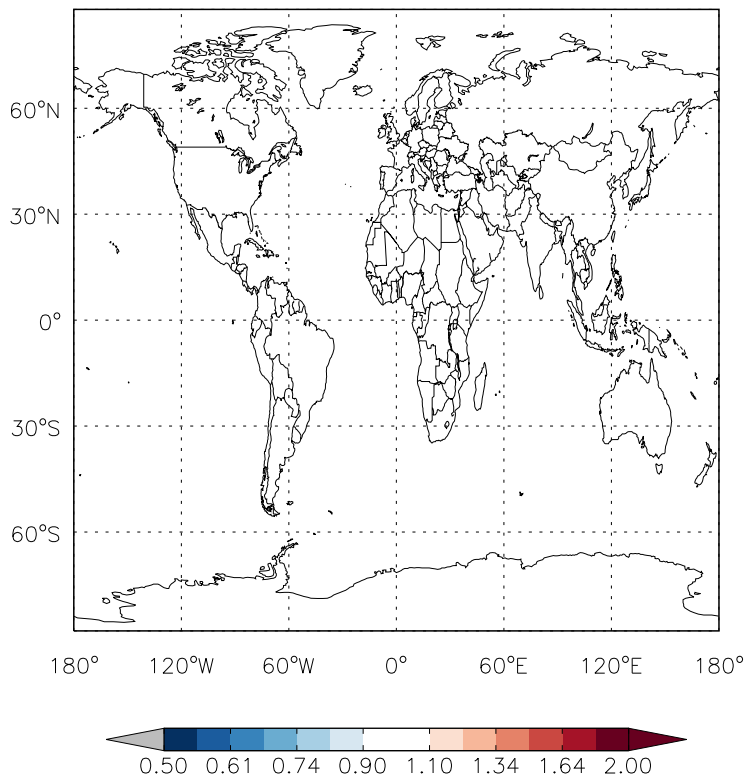


# GEOS-Chem Ratio Maps at surface and 500 hPa

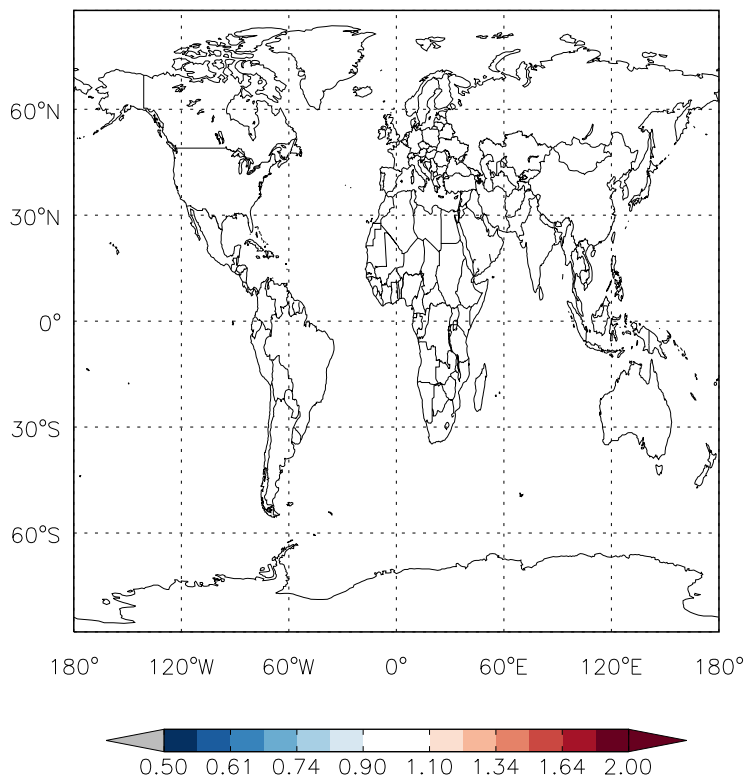
v11-01d-Run1 / v11-01b-Run0  
CH3CCI3 / Ratio @ Surface for Apr



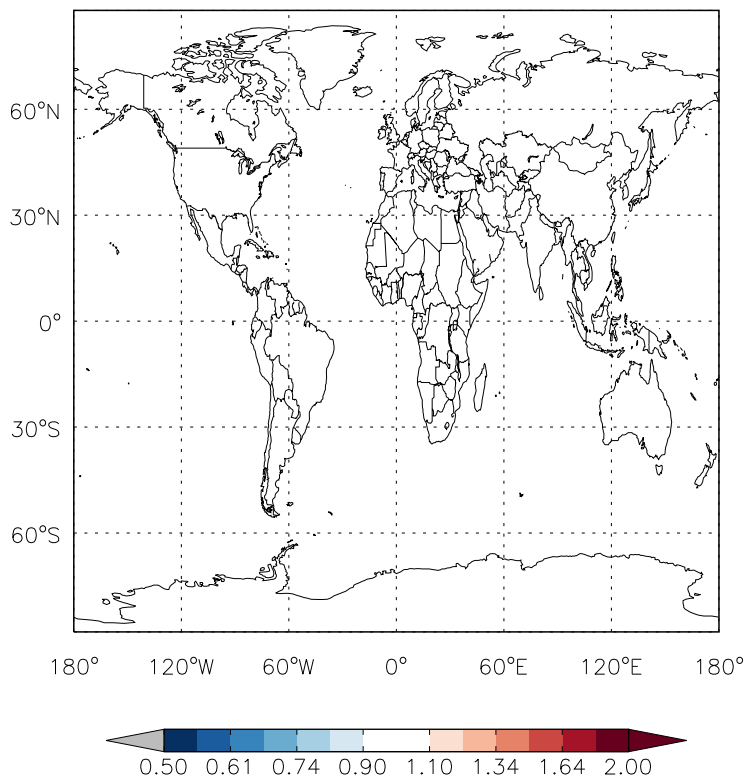
v11-01d-Run1 / v11-01b-Run0  
CH3CCI3/ Ratio @ 500 hPa for Apr



v11-01d-Run1 / v10-01-public-Run0  
CH3CCI3 / Ratio @ Surface for Apr

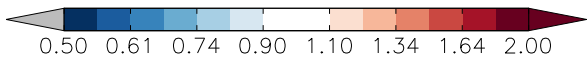
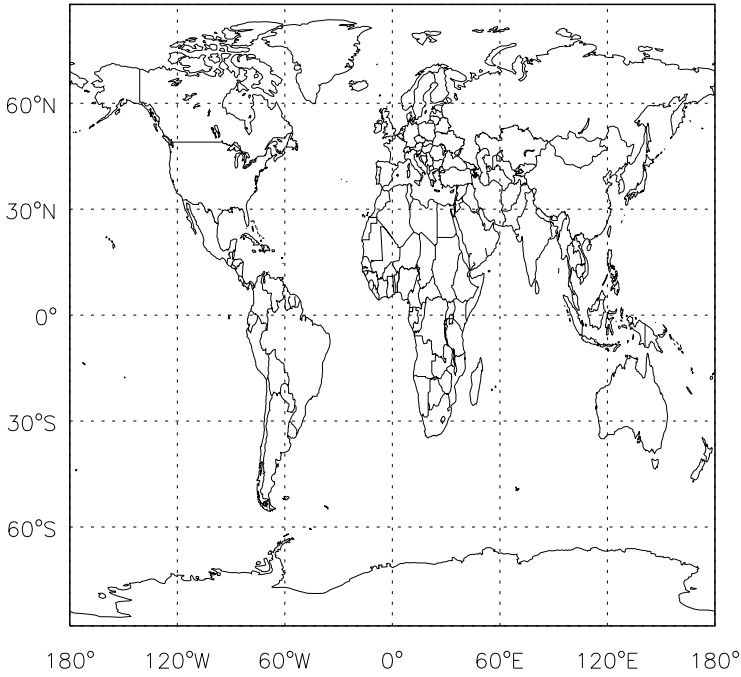


v11-01d-Run1 / v10-01-public-Run0  
CH3CCI3/ Ratio @ 500 hPa for Apr

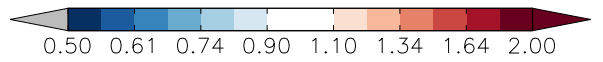
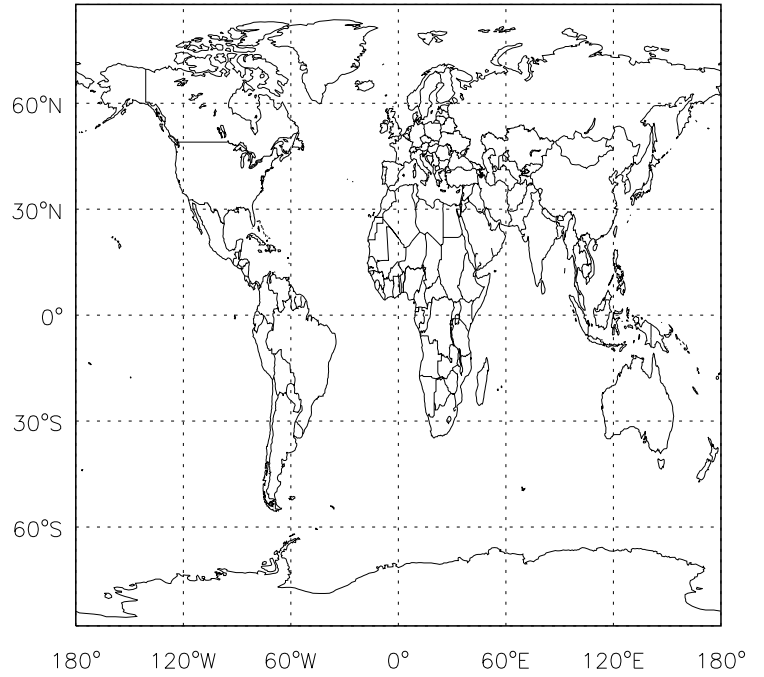


GEOS-Chem Ratio Maps at surface and 500 hPa

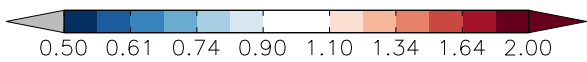
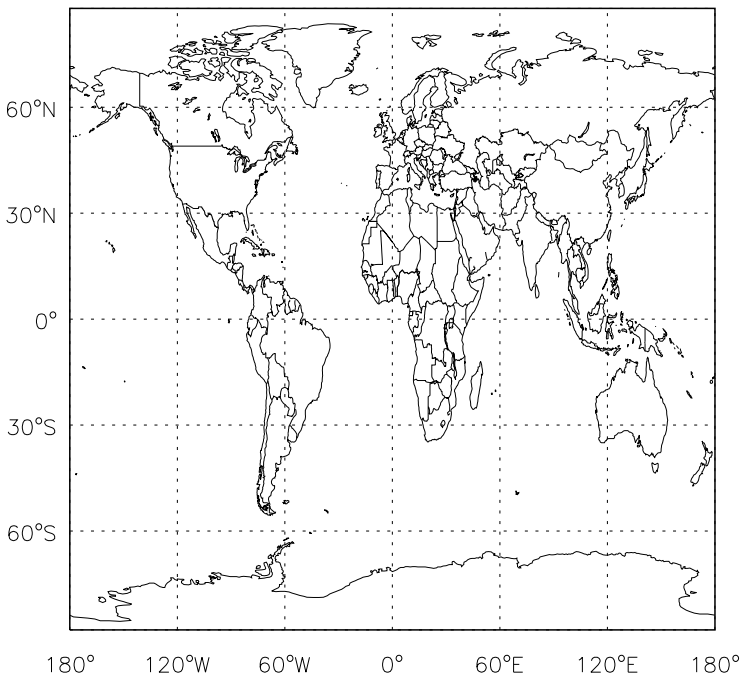
v11-01d-Run1 / v11-01b-Run0  
CFCX / Ratio @ Surface for Apr



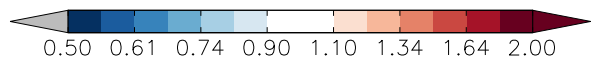
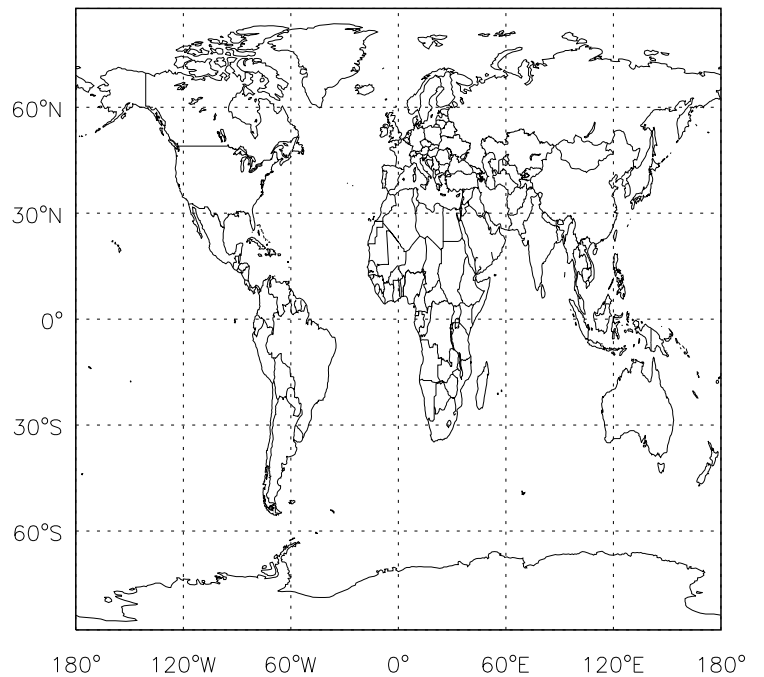
v11-01d-Run1 / v11-01b-Run0  
CFCX/ Ratio @ 500 hPa for Apr



v11-01d-Run1 / v10-01-public-Run0  
CFCX / Ratio @ Surface for Apr



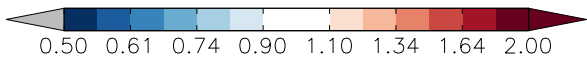
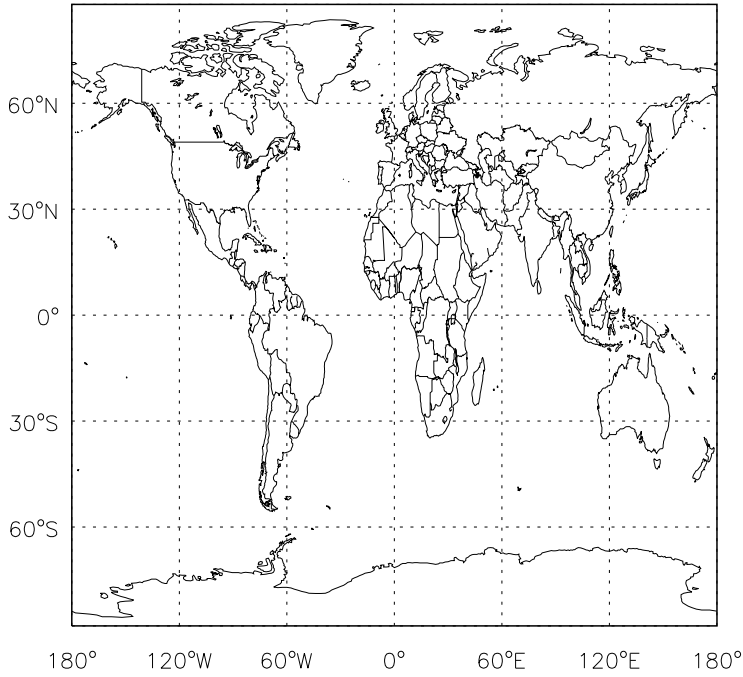
v11-01d-Run1 / v10-01-public-Run0  
CFCX/ Ratio @ 500 hPa for Apr



GEOS-Chem Ratio Maps at surface and 500 hPa

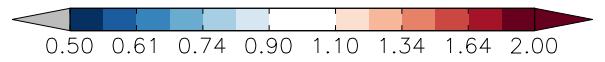
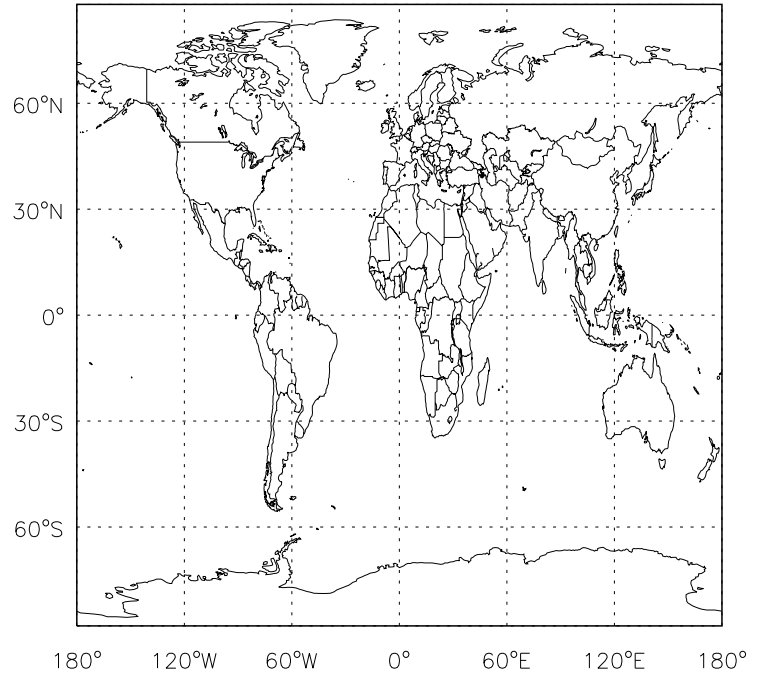
v11-01d-Run1 / v11-01b-Run0

HCFCX / Ratio @ Surface for Apr



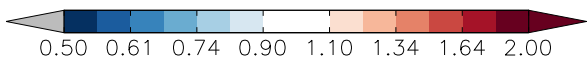
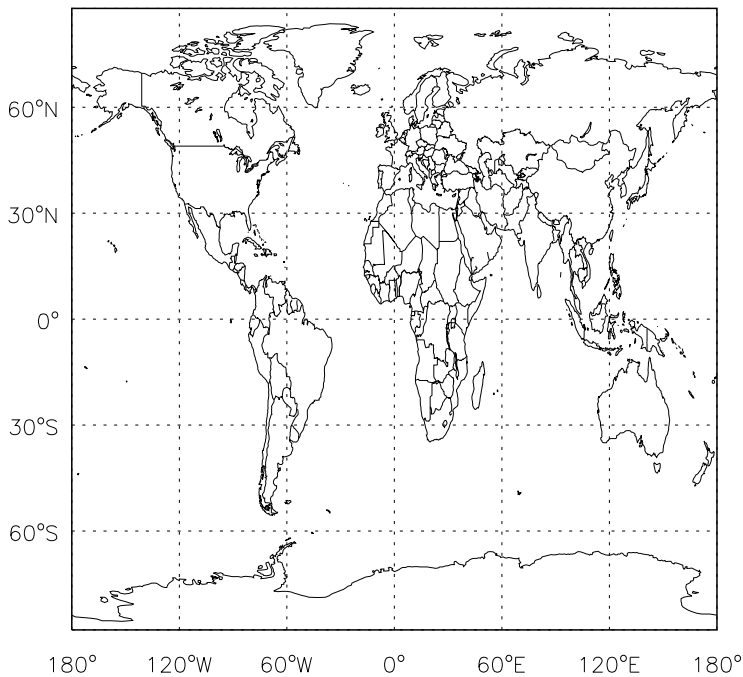
v11-01d-Run1 / v11-01b-Run0

HCFCX/ Ratio @ 500 hPa for Apr



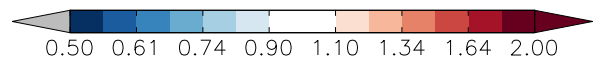
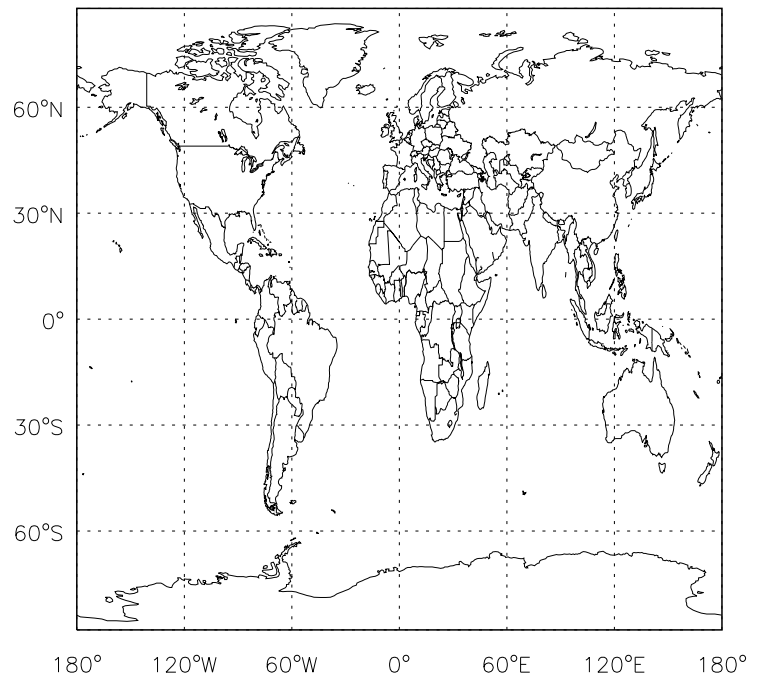
v11-01d-Run1 / v10-01-public-Run0

HCFCX / Ratio @ Surface for Apr



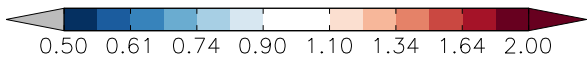
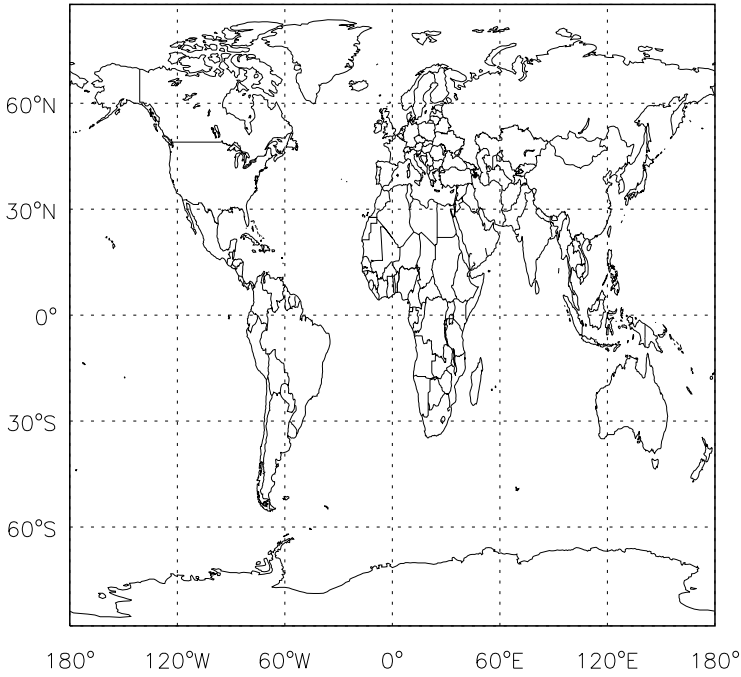
v11-01d-Run1 / v10-01-public-Run0

HCFCX/ Ratio @ 500 hPa for Apr

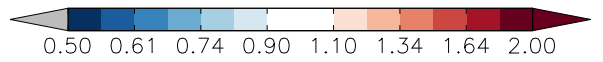
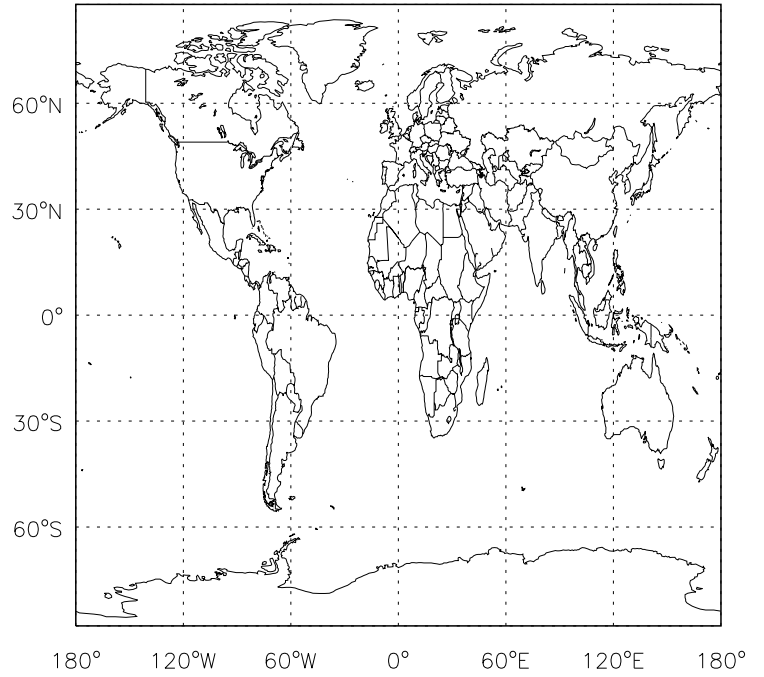


GEOS-Chem Ratio Maps at surface and 500 hPa

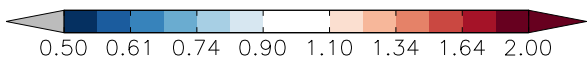
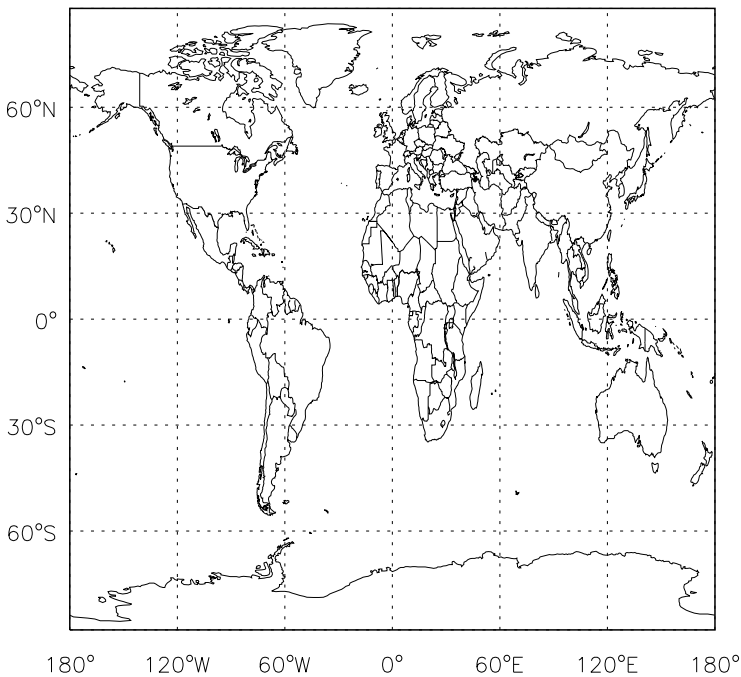
v11-01d-Run1 / v11-01b-Run0  
CFC11 / Ratio @ Surface for Apr



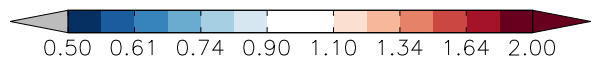
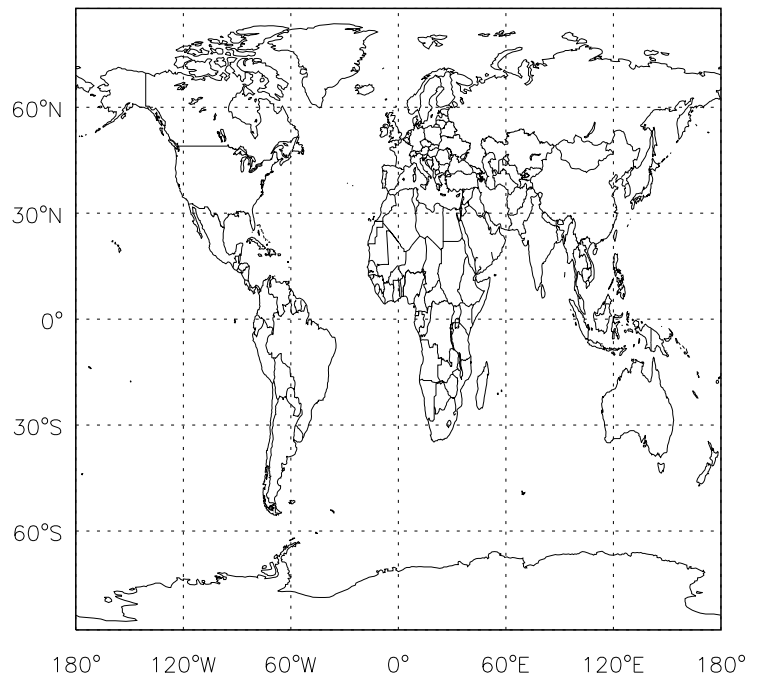
v11-01d-Run1 / v11-01b-Run0  
CFC11/ Ratio @ 500 hPa for Apr



v11-01d-Run1 / v10-01-public-Run0  
CFC11 / Ratio @ Surface for Apr



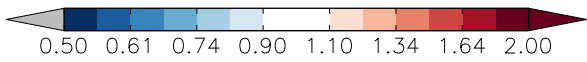
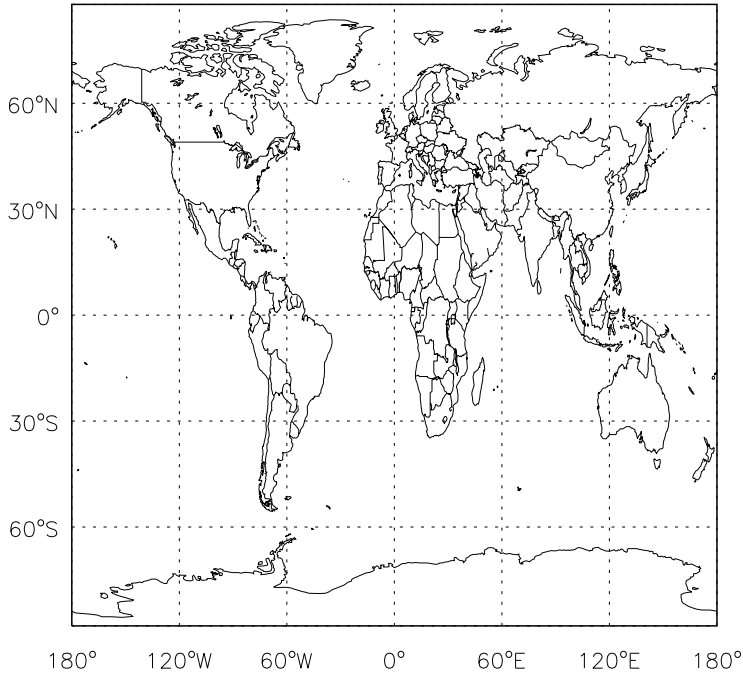
v11-01d-Run1 / v10-01-public-Run0  
CFC11/ Ratio @ 500 hPa for Apr



GEOS-Chem Ratio Maps at surface and 500 hPa

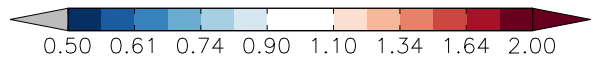
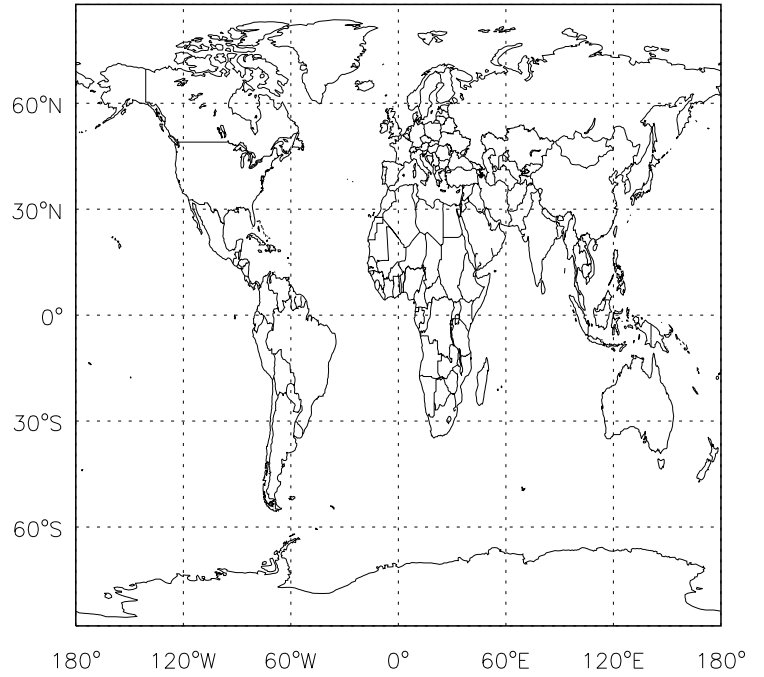
v11-01d-Run1 / v11-01b-Run0

CFC12 / Ratio @ Surface for Apr



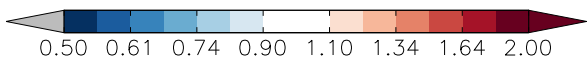
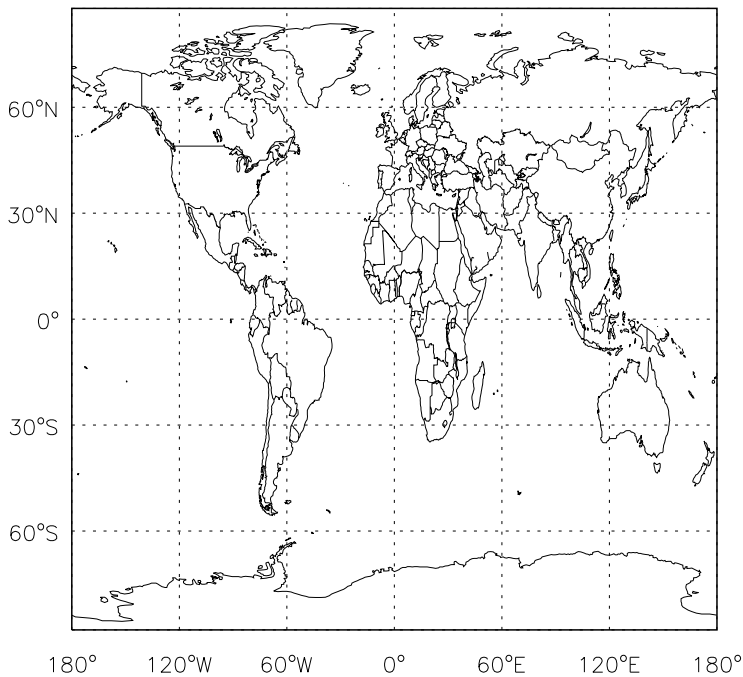
v11-01d-Run1 / v11-01b-Run0

CFC12/ Ratio @ 500 hPa for Apr



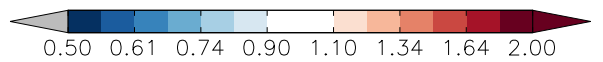
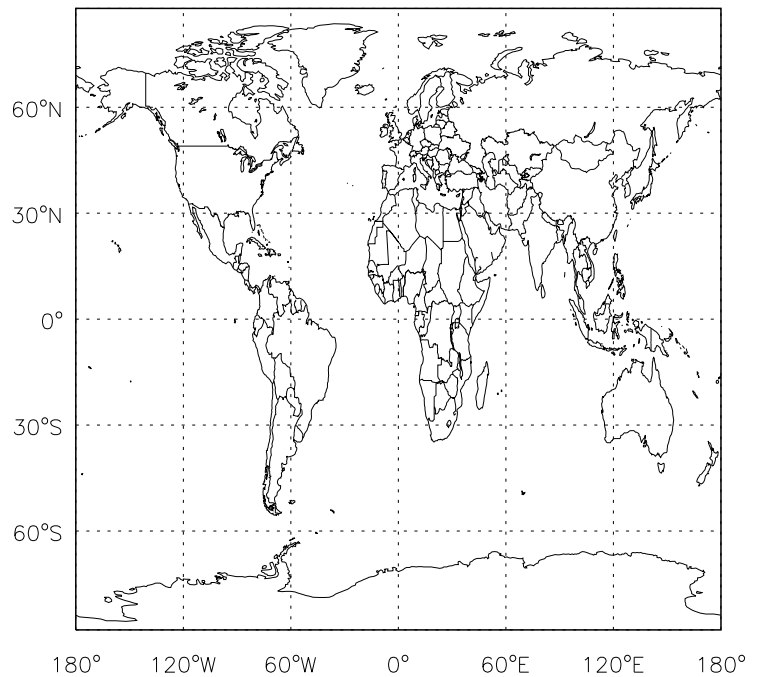
v11-01d-Run1 / v10-01-public-Run0

CFC12 / Ratio @ Surface for Apr



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

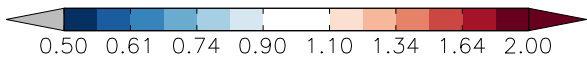
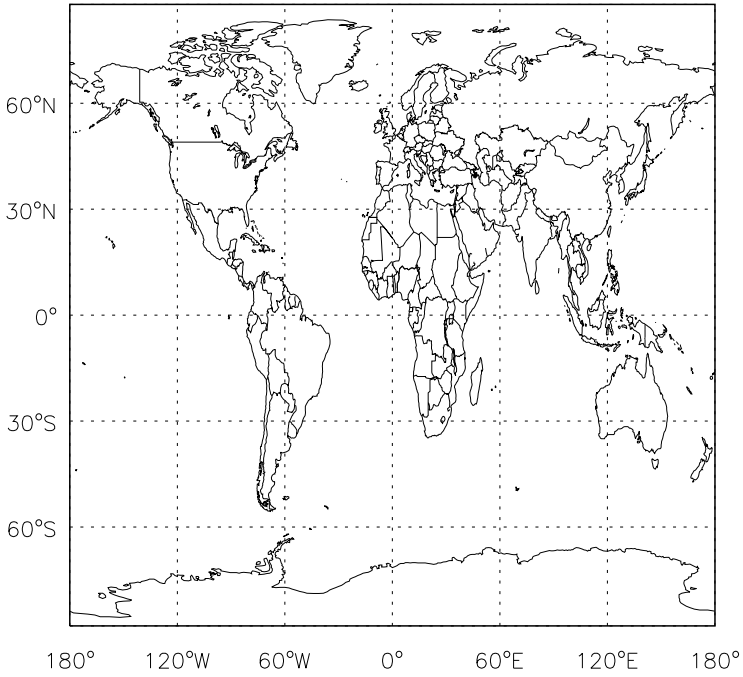
CFC12/ Ratio @ 500 hPa for Apr



GEOS-Chem Ratio Maps at surface and 500 hPa

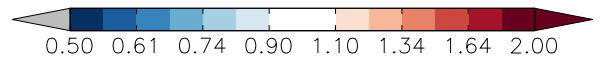
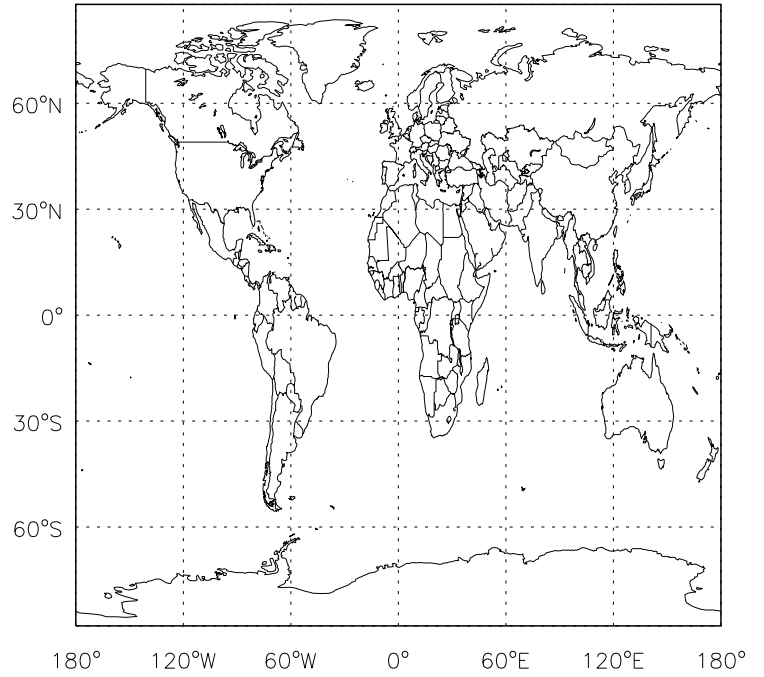
v11-01d-Run1 / v11-01b-Run0

HCFC22 / Ratio @ Surface for Apr



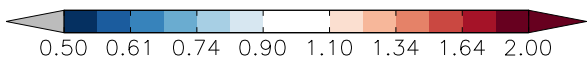
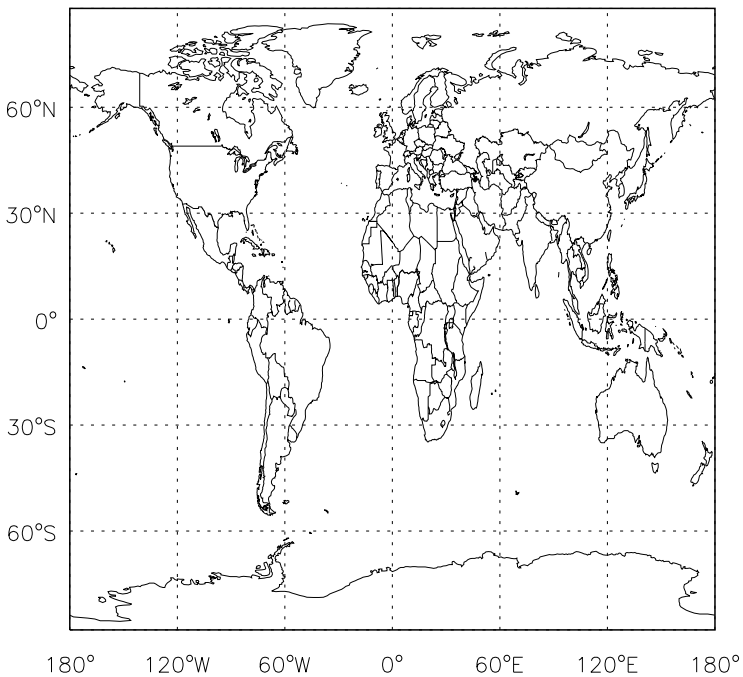
v11-01d-Run1 / v11-01b-Run0

HCFC22/ Ratio @ 500 hPa for Apr



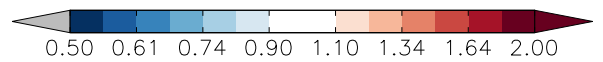
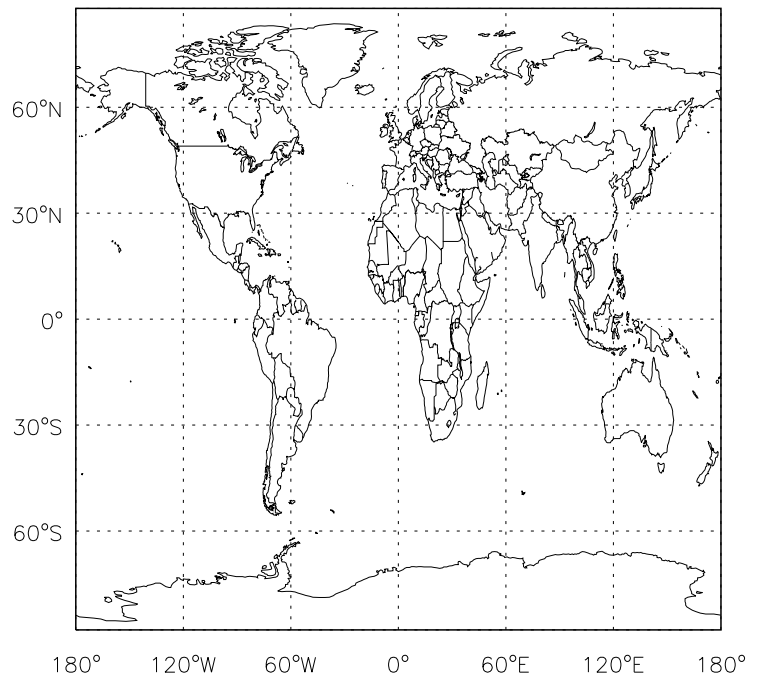
v11-01d-Run1 / v10-01-public-Run0

HCFC22 / Ratio @ Surface for Apr



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

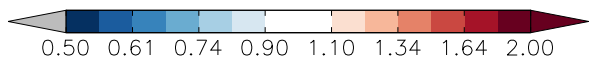
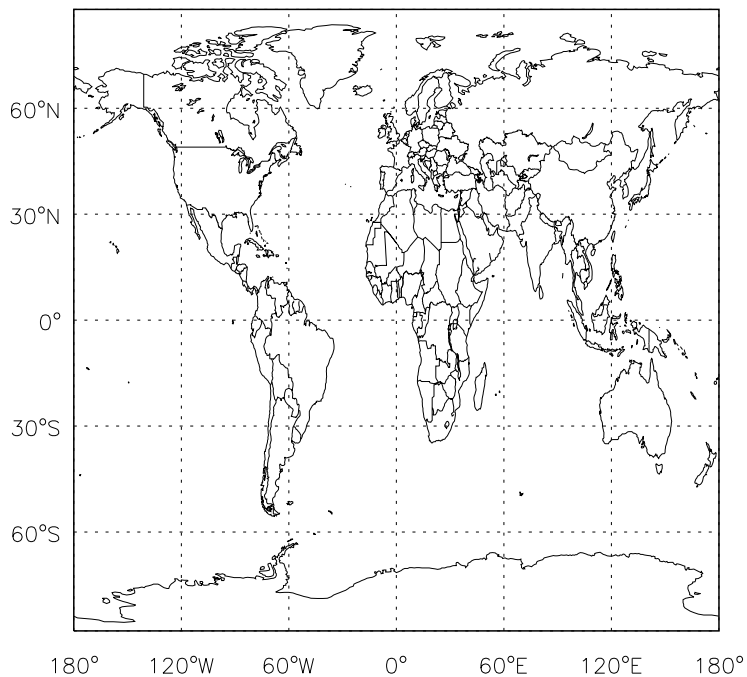
HCFC22/ Ratio @ 500 hPa for Apr



GEOS-Chem Ratio Maps at surface and 500 hPa

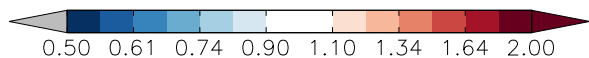
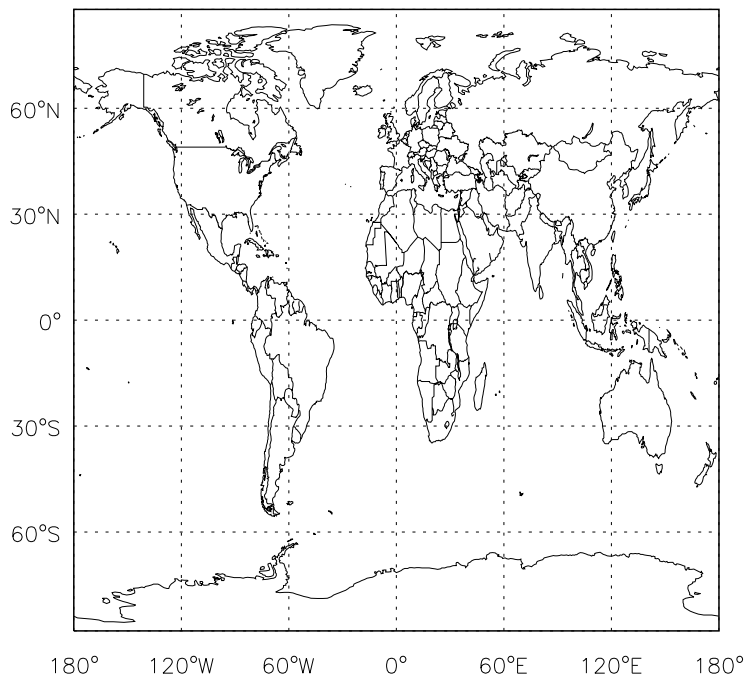
v11-01d-Run1 / v11-01b-Run0

H1211 / Ratio @ Surface for Apr



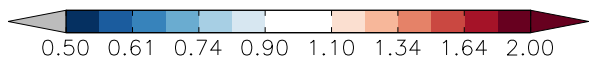
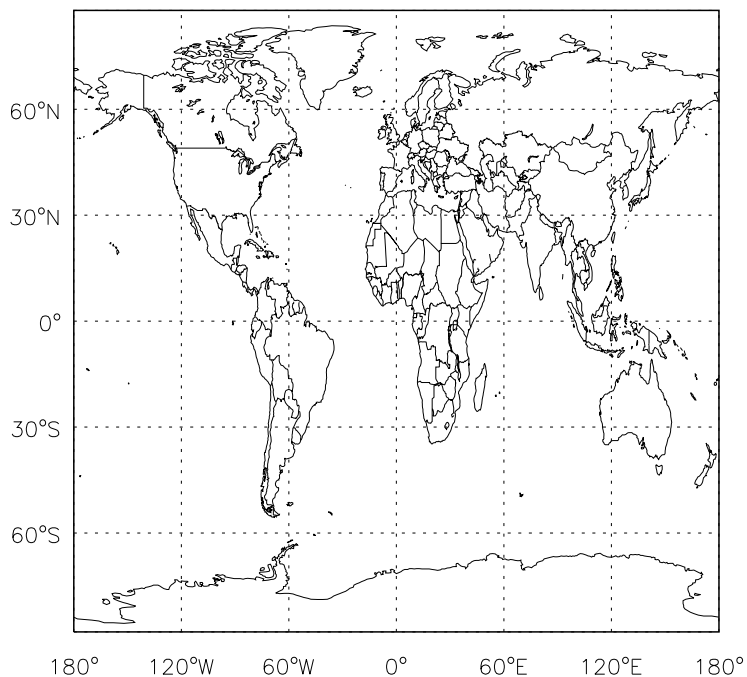
v11-01d-Run1 / v11-01b-Run0

H1211/ Ratio @ 500 hPa for Apr



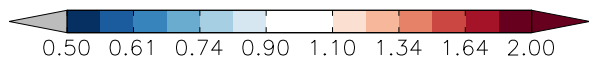
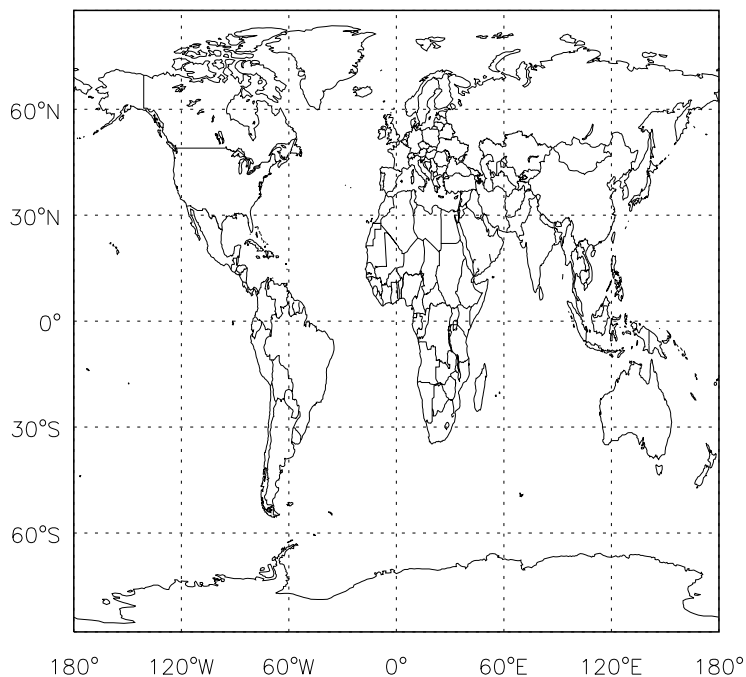
v11-01d-Run1 / v10-01-public-Run0

H1211 / Ratio @ Surface for Apr



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

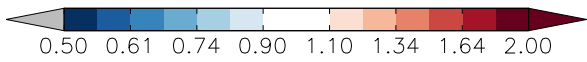
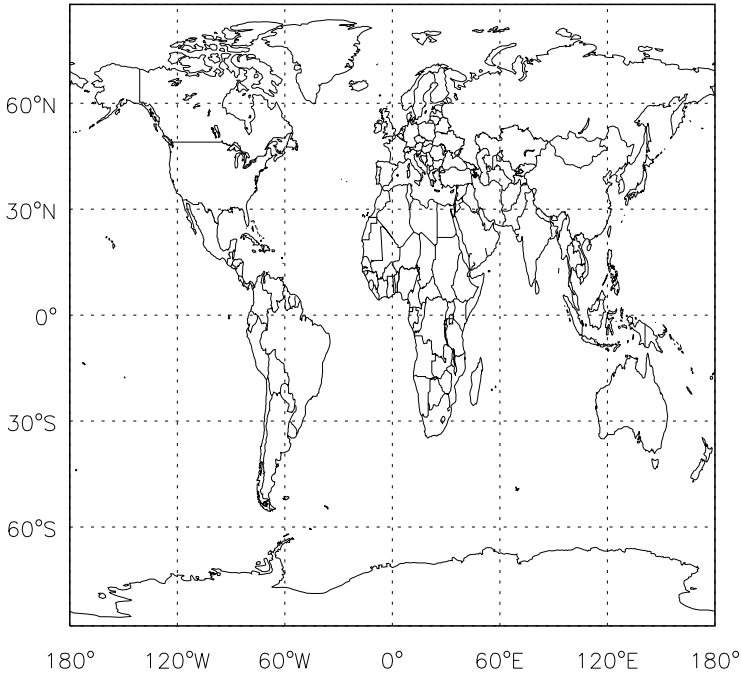
H1211/ Ratio @ 500 hPa for Apr



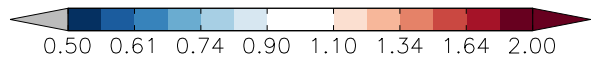
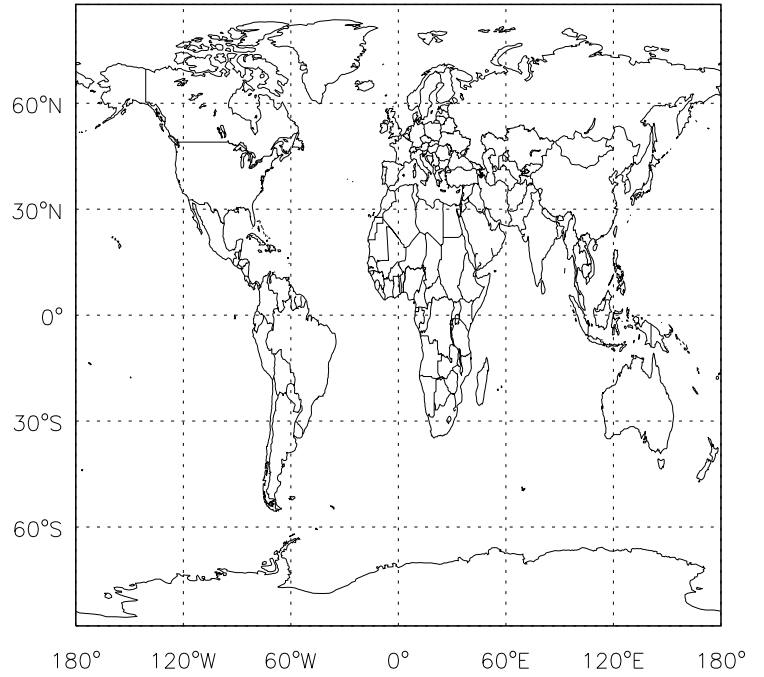


GEOS-Chem Ratio Maps at surface and 500 hPa

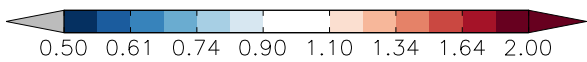
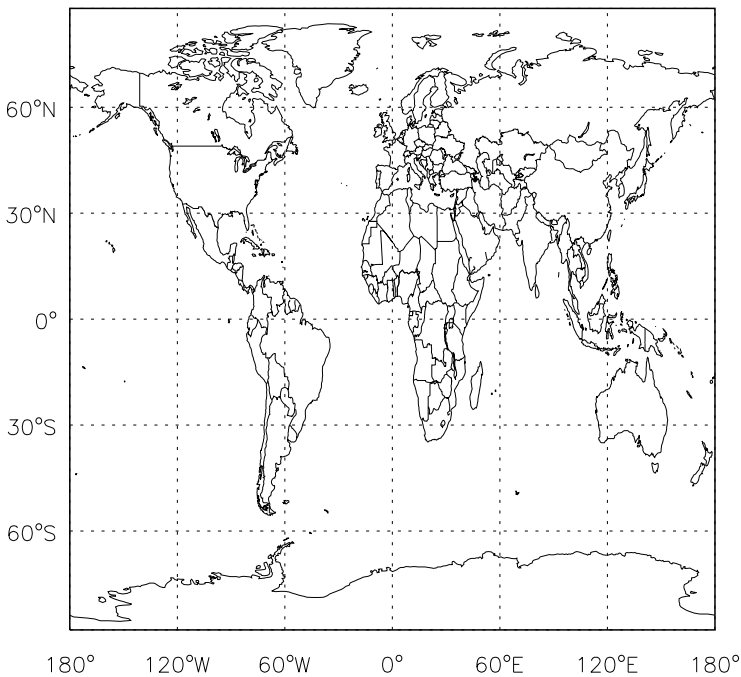
v11-01d-Run1 / v11-01b-Run0  
H1301 / Ratio @ Surface for Apr



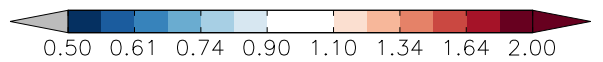
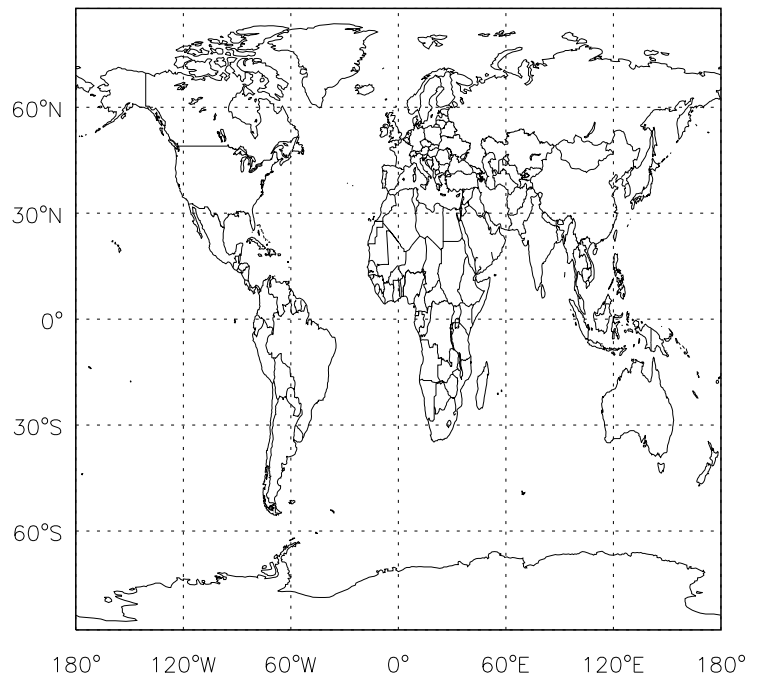
v11-01d-Run1 / v11-01b-Run0  
H1301/ Ratio @ 500 hPa for Apr



v11-01d-Run1 / v10-01-public-Run0  
H1301 / Ratio @ Surface for Apr

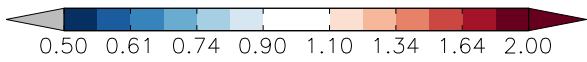
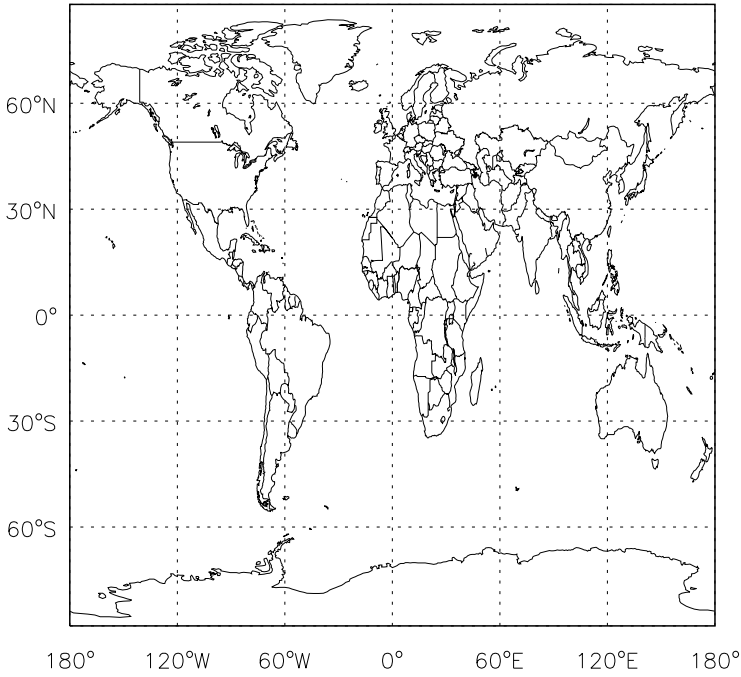


v11-01d-Run1 / v10-01-public-Run0  
H1301/ Ratio @ 500 hPa for Apr

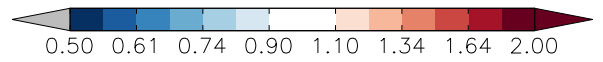
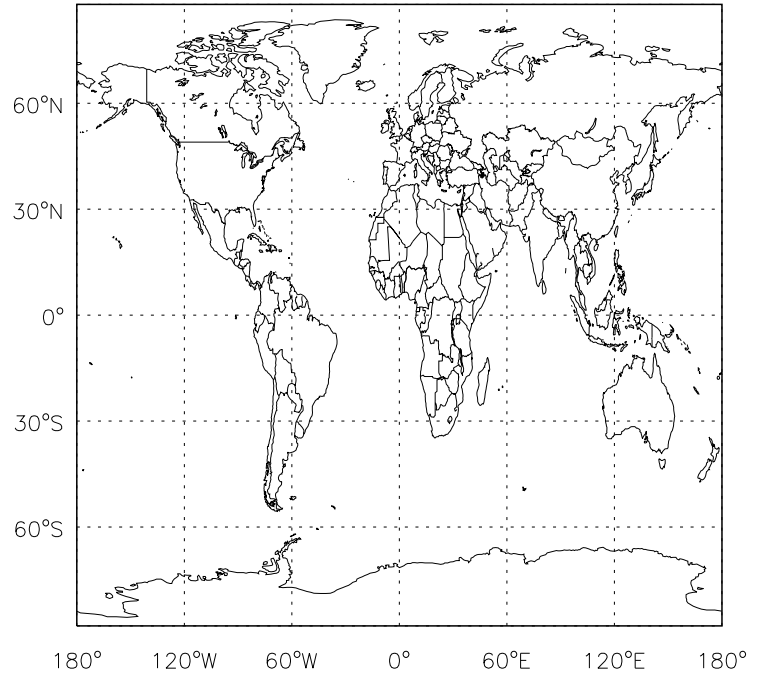


GEOS-Chem Ratio Maps at surface and 500 hPa

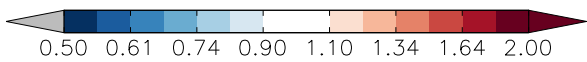
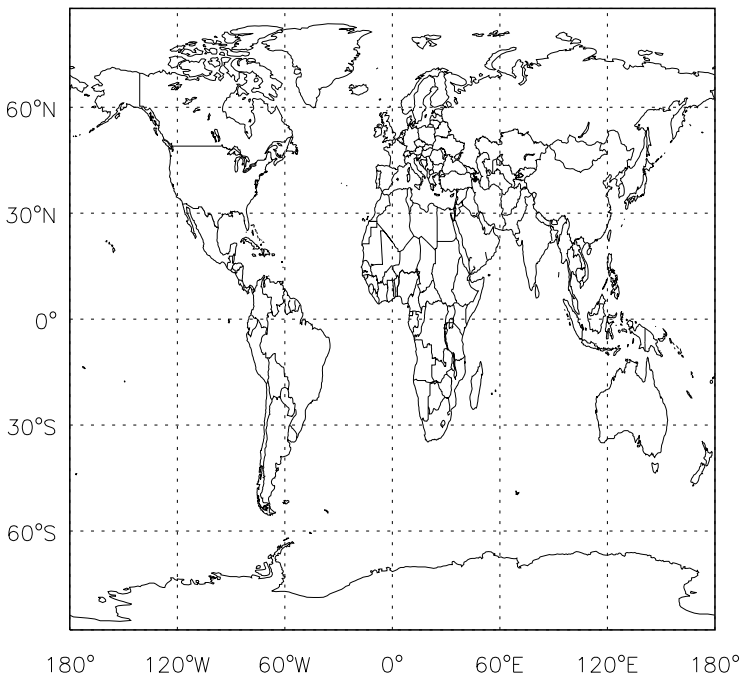
v11-01d-Run1 / v11-01b-Run0  
H2402 / Ratio @ Surface for Apr



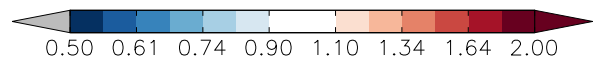
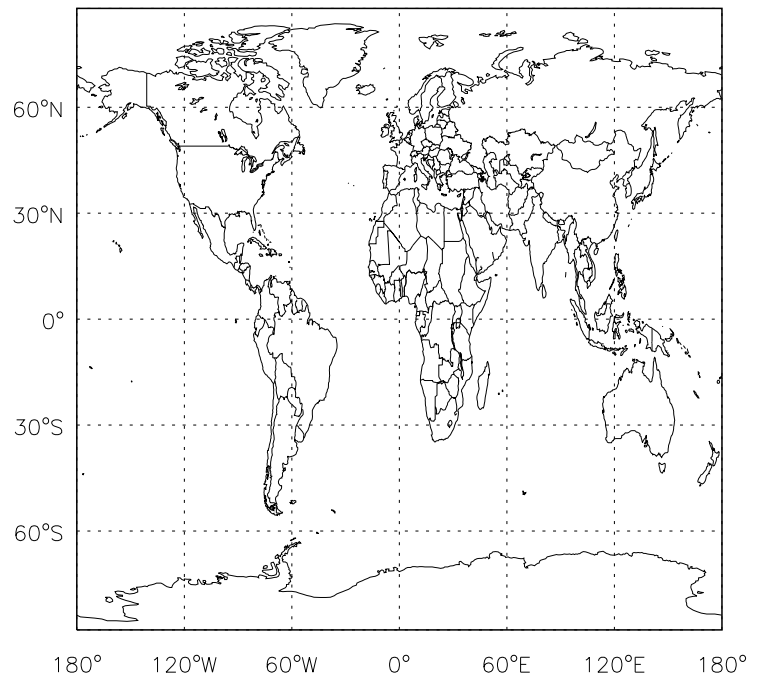
v11-01d-Run1 / v11-01b-Run0  
H2402/ Ratio @ 500 hPa for Apr



v11-01d-Run1 / v10-01-public-Run0  
H2402 / Ratio @ Surface for Apr



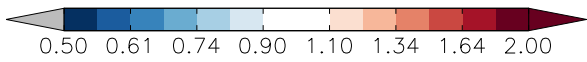
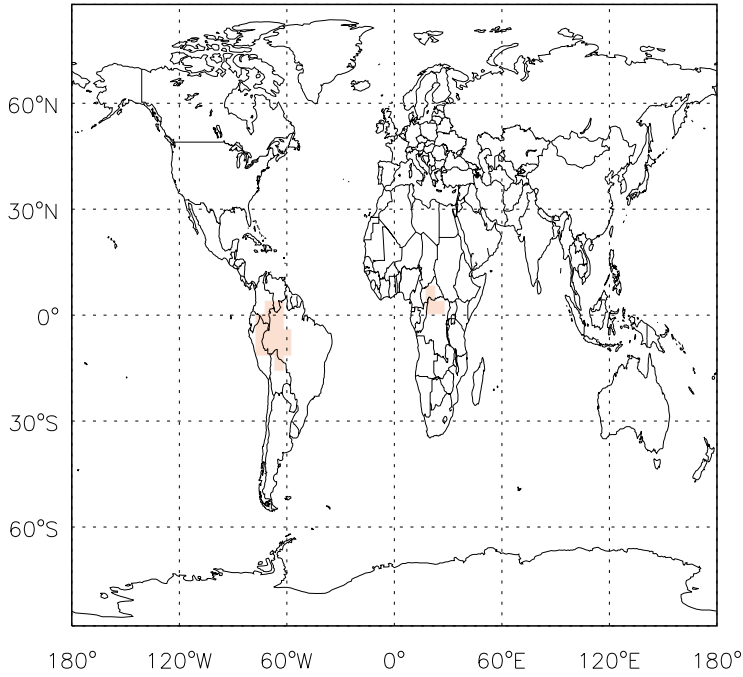
v11-01d-Run1 / v10-01-public-Run0  
H2402/ Ratio @ 500 hPa for Apr



# GEOS-Chem Ratio Maps at surface and 500 hPa

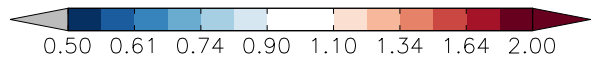
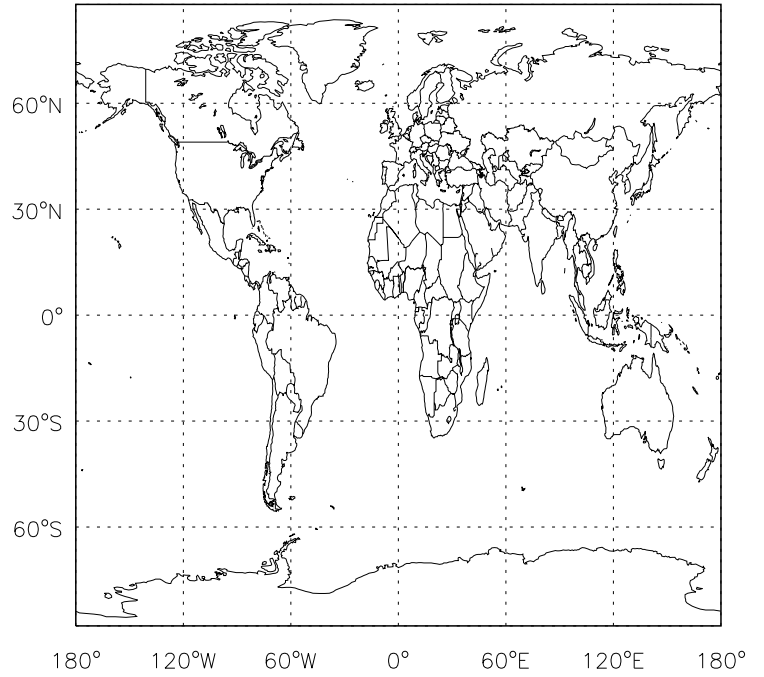
v11-01d-Run1 / v11-01b-Run0

Cl / Ratio @ Surface for Apr



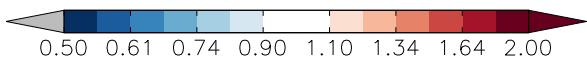
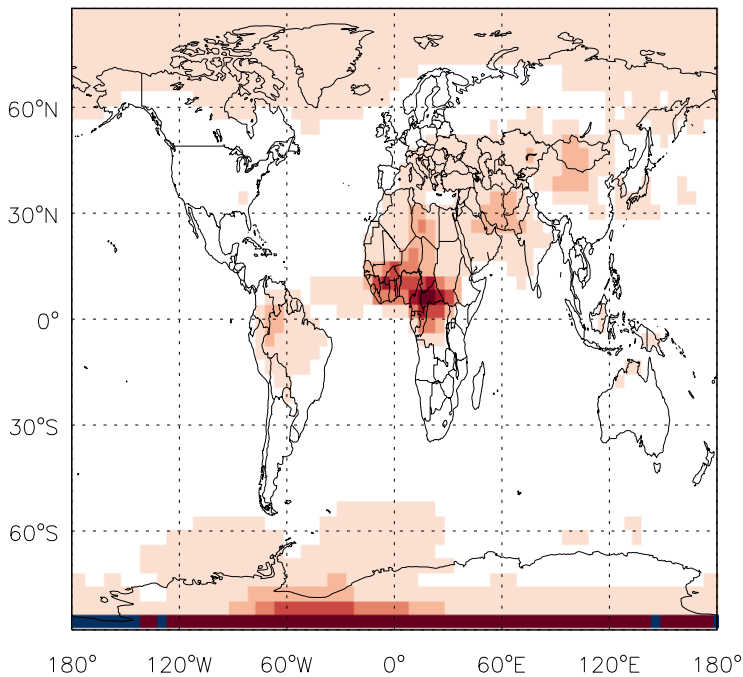
v11-01d-Run1 / v11-01b-Run0

Cl / Ratio @ 500 hPa for Apr



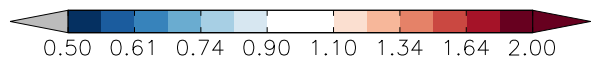
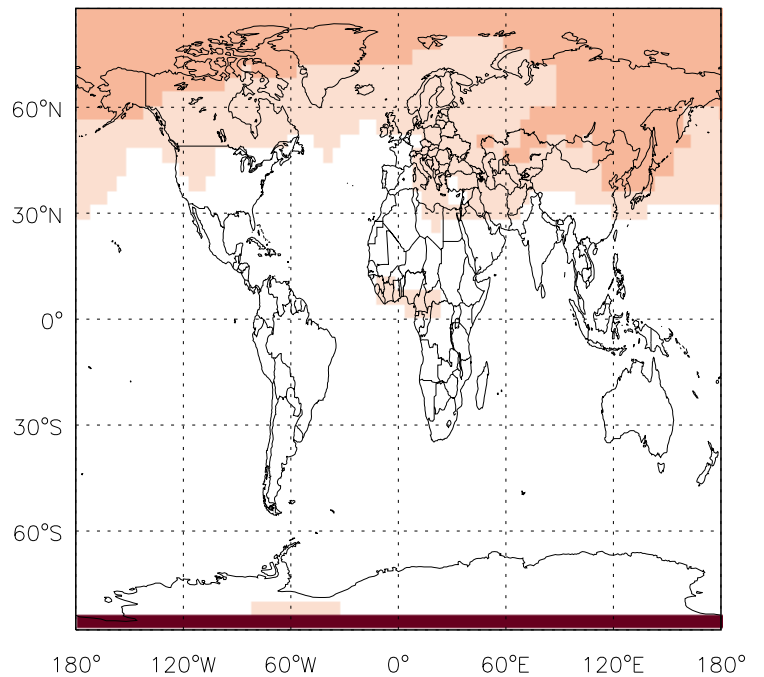
v11-01d-Run1 / v10-01-public-Run0

Cl / Ratio @ Surface for Apr



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

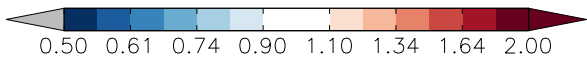
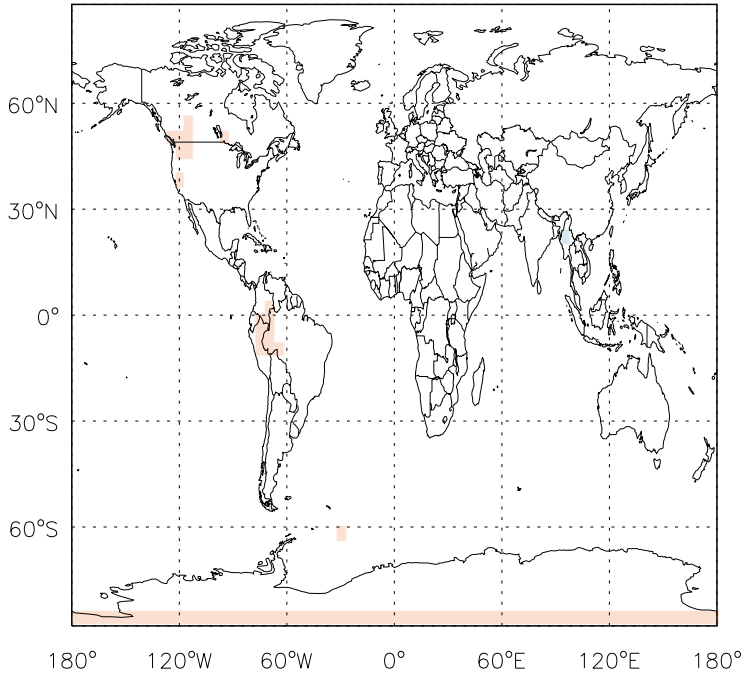
Cl / Ratio @ 500 hPa for Apr



GEOS-Chem Ratio Maps at surface and 500 hPa

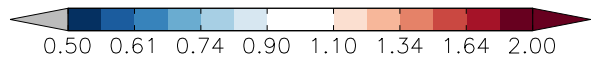
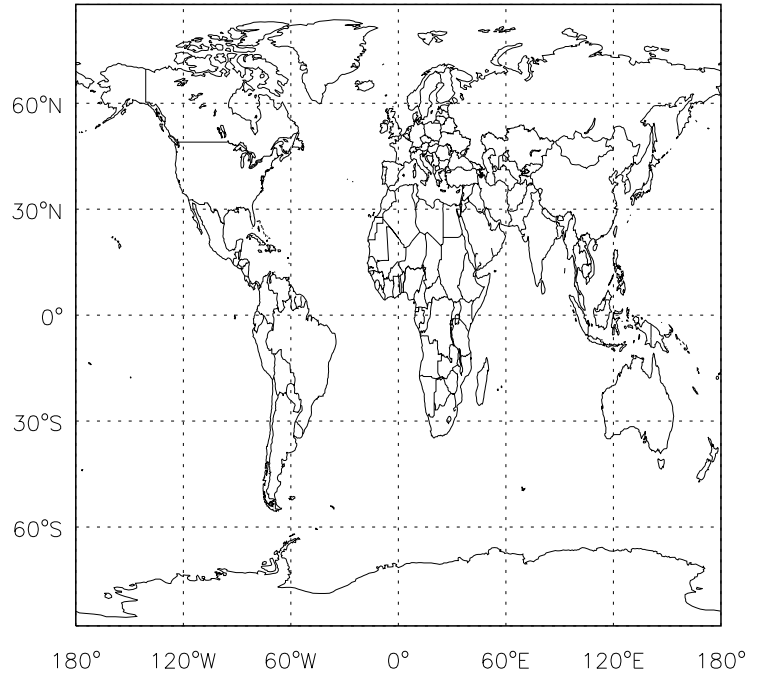
v11-01d-Run1 / v11-01b-Run0

CIO / Ratio @ Surface for Apr



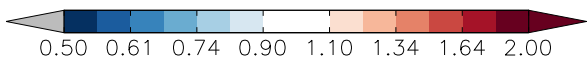
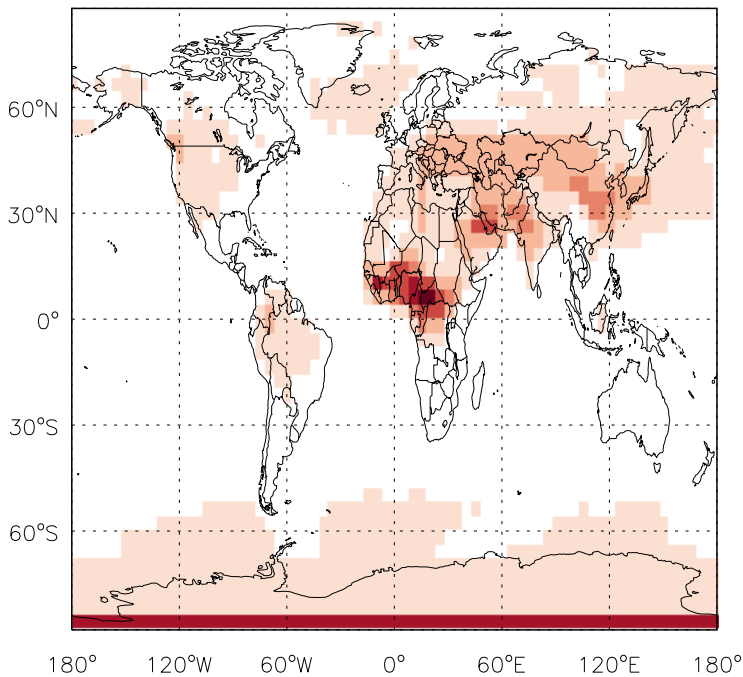
v11-01d-Run1 / v11-01b-Run0

CIO/ Ratio @ 500 hPa for Apr



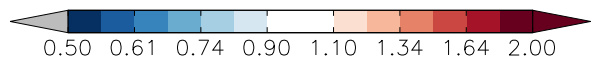
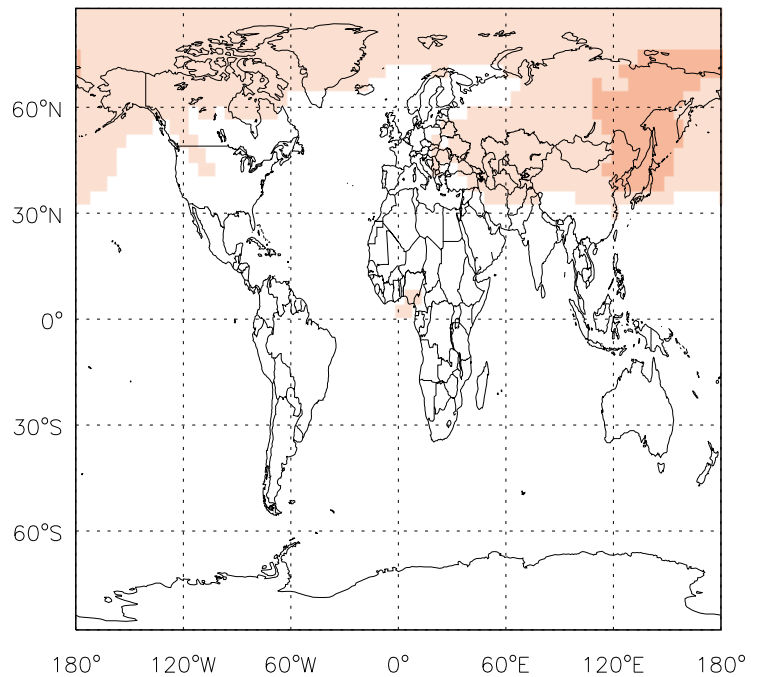
v11-01d-Run1 / v10-01-public-Run0

CIO / Ratio @ Surface for Apr



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

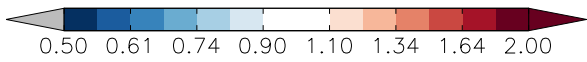
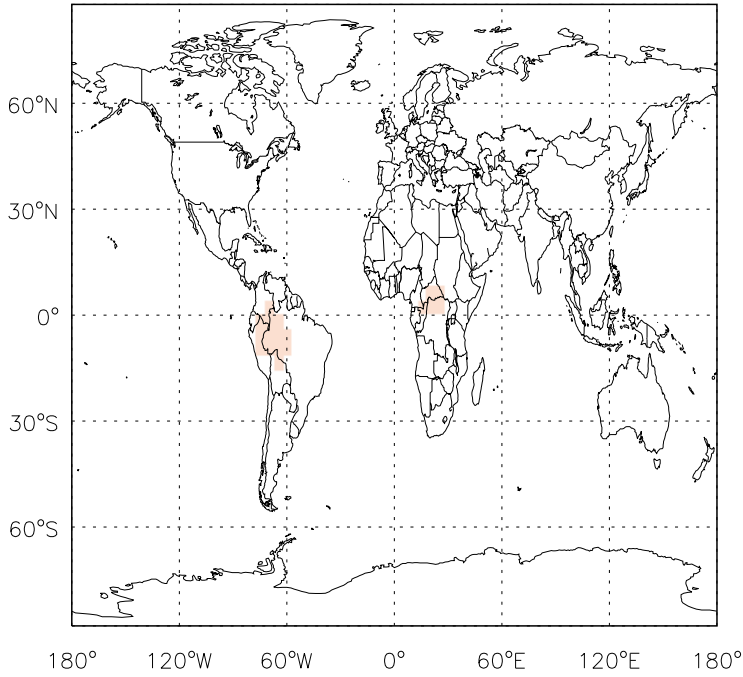
CIO/ Ratio @ 500 hPa for Apr



# GEOS-Chem Ratio Maps at surface and 500 hPa

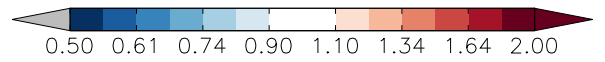
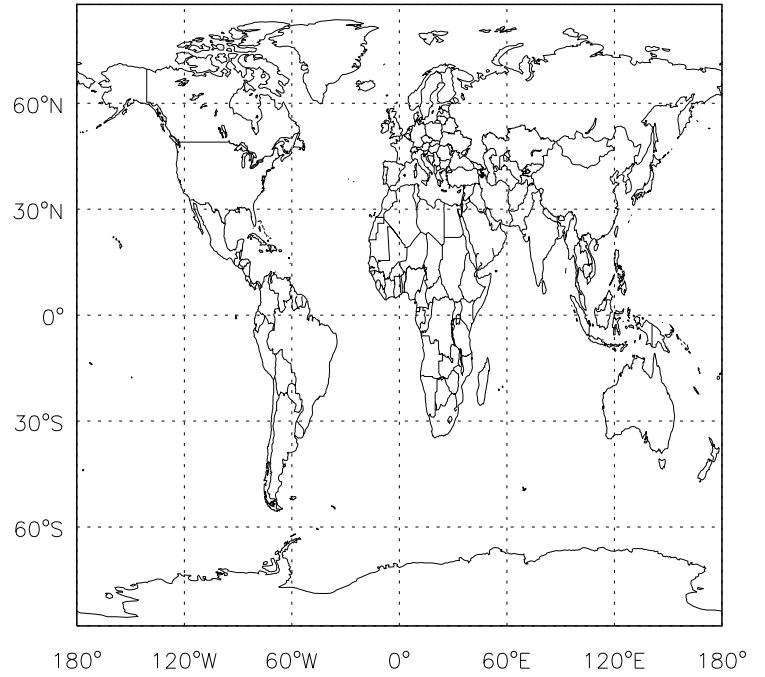
v11-01d-Run1 / v11-01b-Run0

HOCl / Ratio @ Surface for Apr



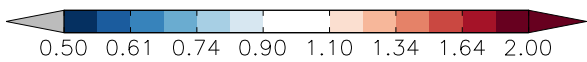
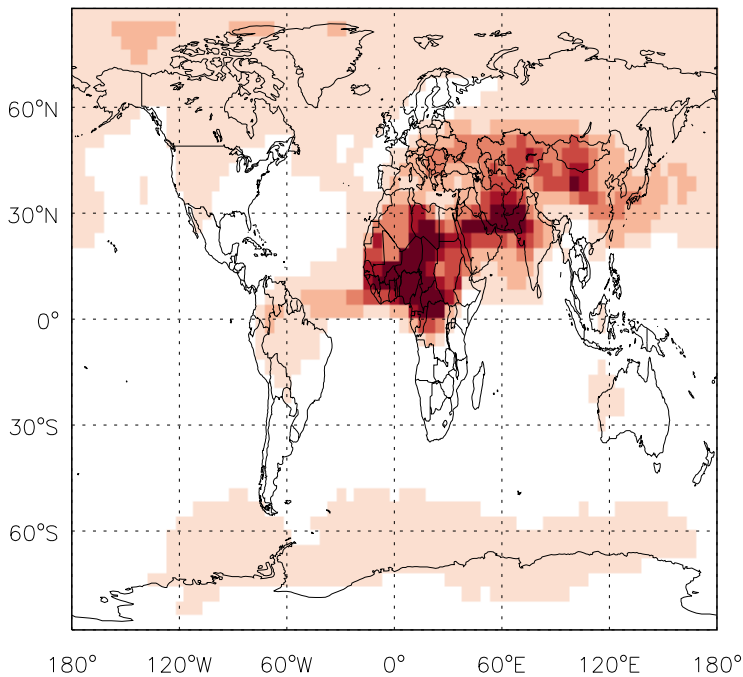
v11-01d-Run1 / v11-01b-Run0

HOCl / Ratio @ 500 hPa for Apr



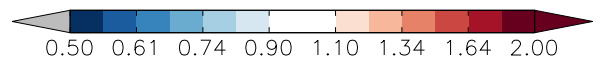
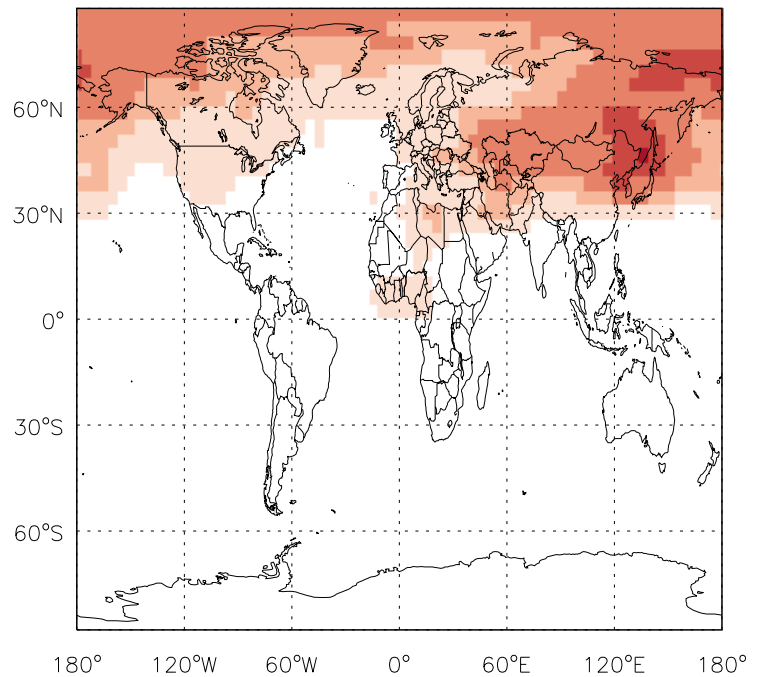
v11-01d-Run1 / v10-01-public-Run0

HOCl / Ratio @ Surface for Apr



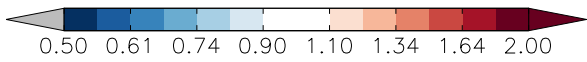
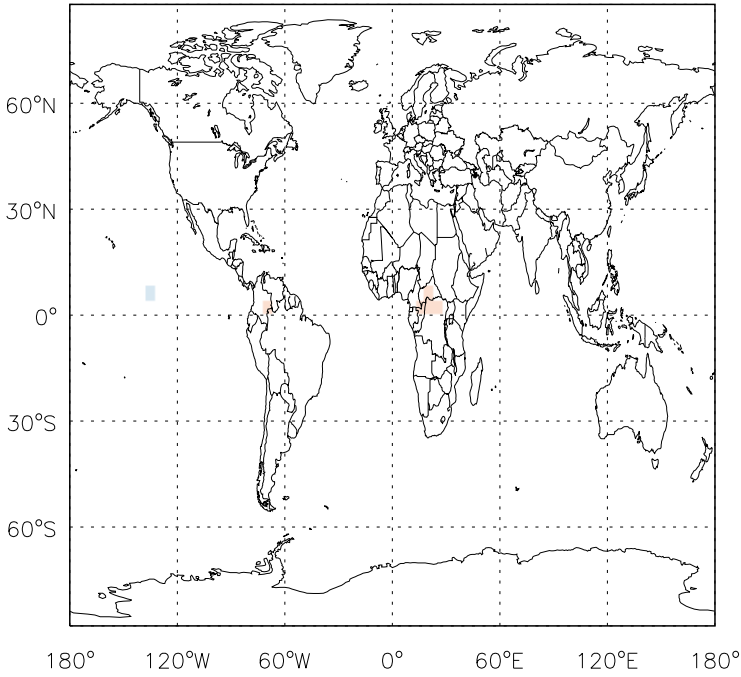
v11-01d-Run1 / v10-01-public-Run0

HOCl / Ratio @ 500 hPa for Apr

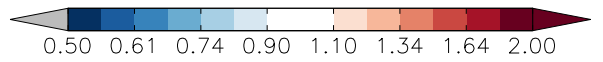
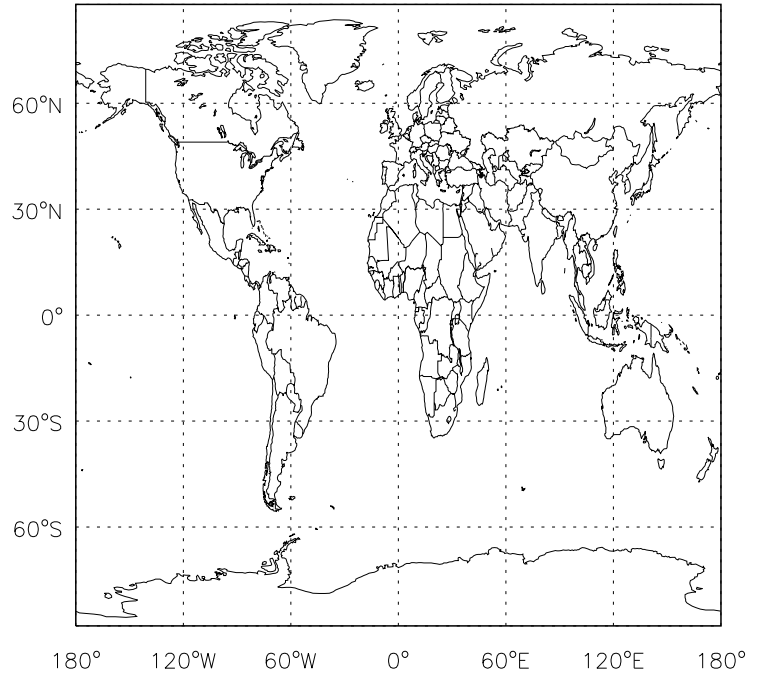


# GEOS-Chem Ratio Maps at surface and 500 hPa

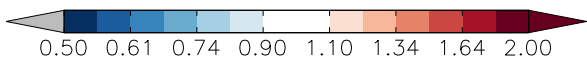
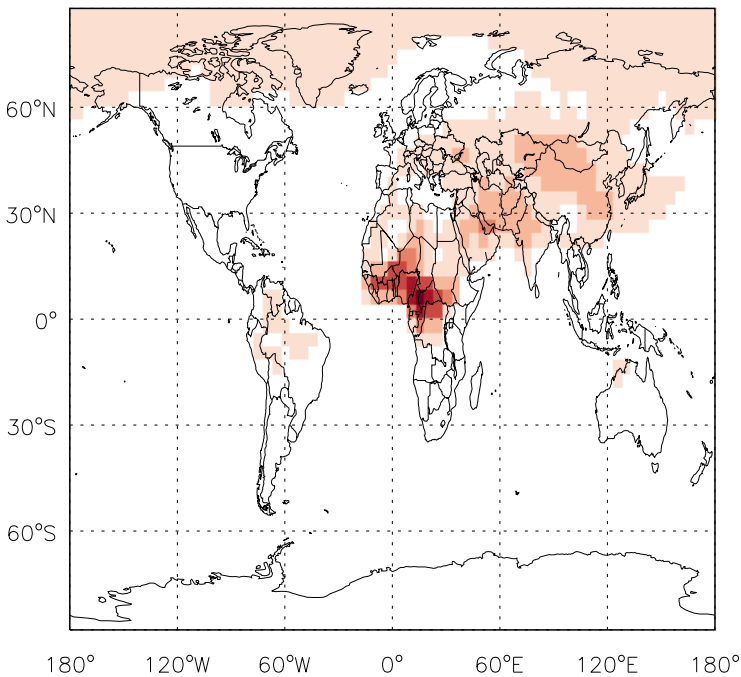
v11-01d-Run1 / v11-01b-Run0  
CIN03 / Ratio @ Surface for Apr



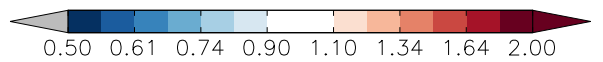
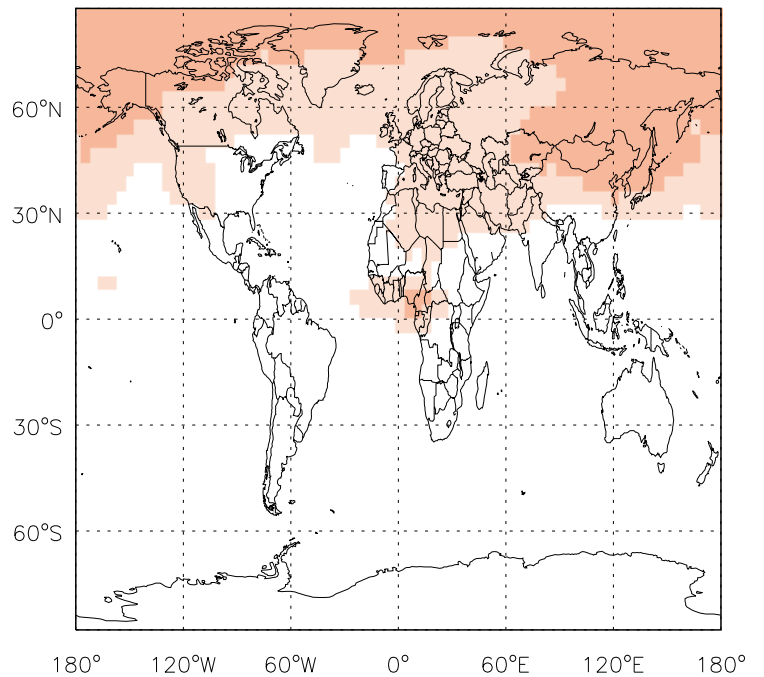
v11-01d-Run1 / v11-01b-Run0  
CIN03/ Ratio @ 500 hPa for Apr



v11-01d-Run1 / v10-01-public-Run0  
CIN03 / Ratio @ Surface for Apr

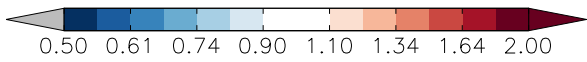
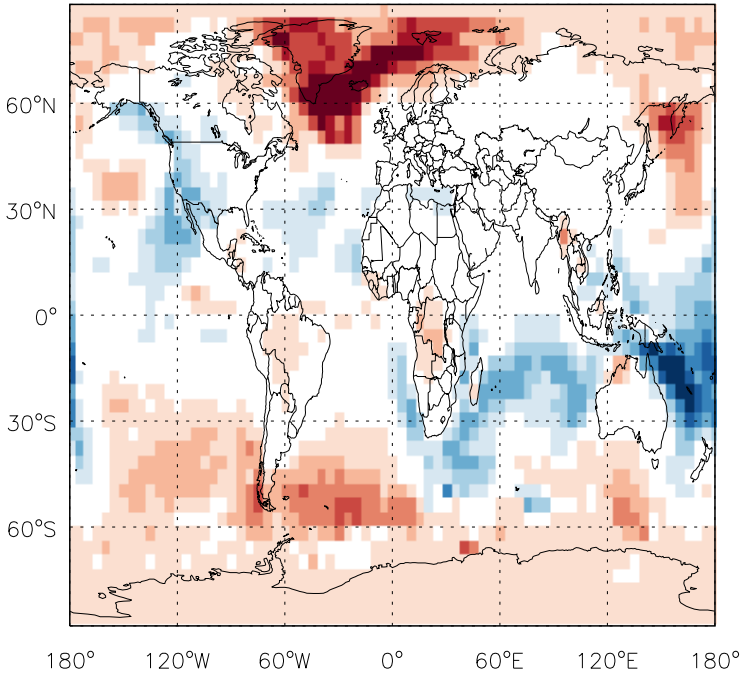


v11-01d-Run1 / v10-01-public-Run0  
CIN03/ Ratio @ 500 hPa for Apr

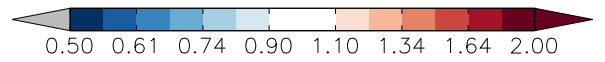
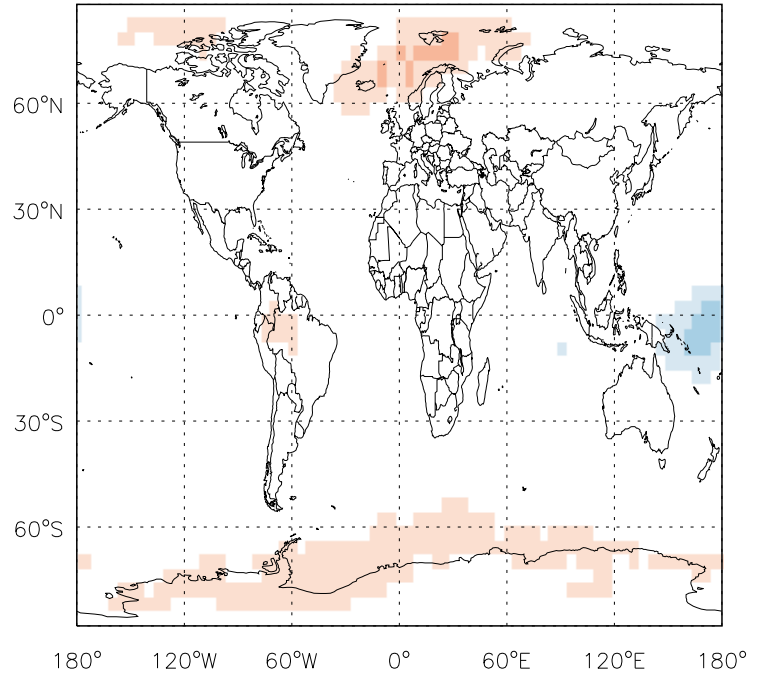


GEOS-Chem Ratio Maps at surface and 500 hPa

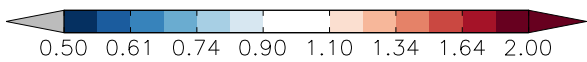
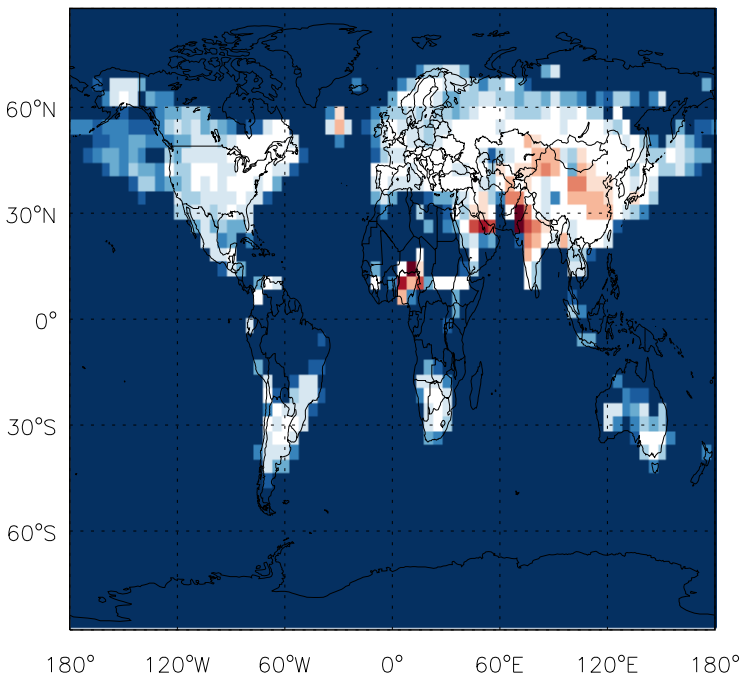
v11-01d-Run1 / v11-01b-Run0  
CIN02 / Ratio @ Surface for Apr



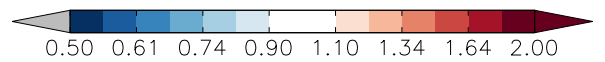
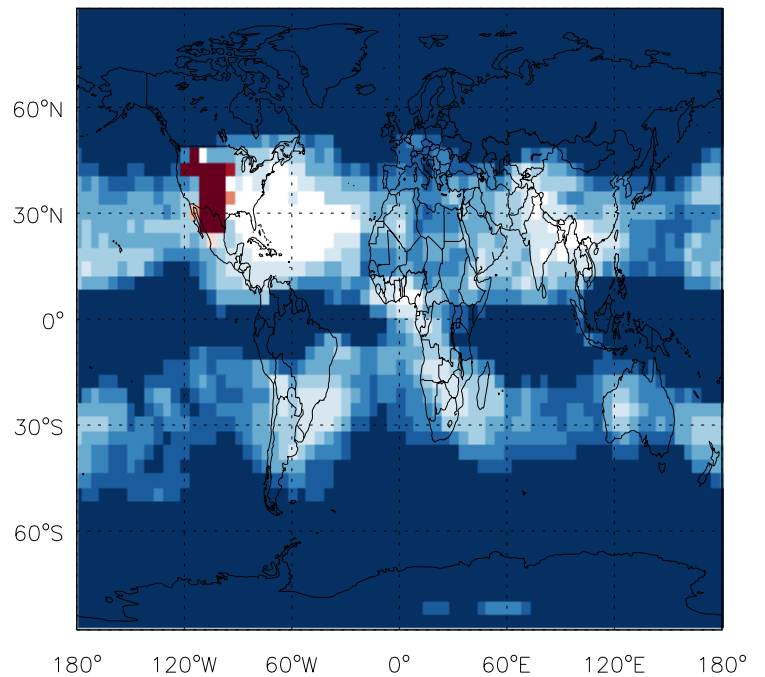
v11-01d-Run1 / v11-01b-Run0  
CIN02/ Ratio @ 500 hPa for Apr



v11-01d-Run1 / v10-01-public-Run0  
CIN02 / Ratio @ Surface for Apr



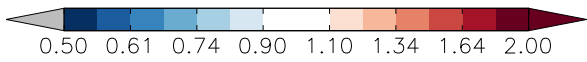
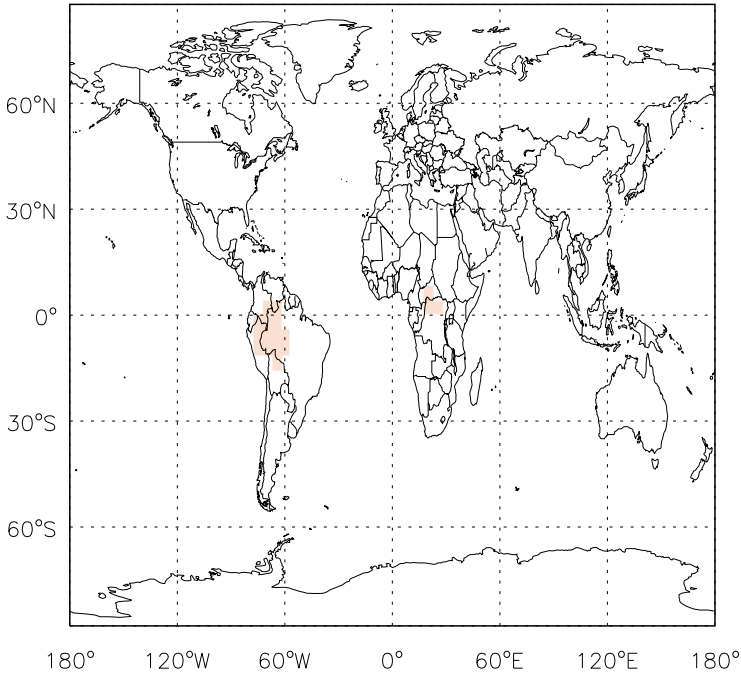
v11-01d-Run1 / v10-01-public-Run0  
CIN02/ Ratio @ 500 hPa for Apr



GEOS-Chem Ratio Maps at surface and 500 hPa

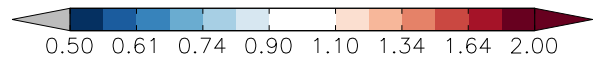
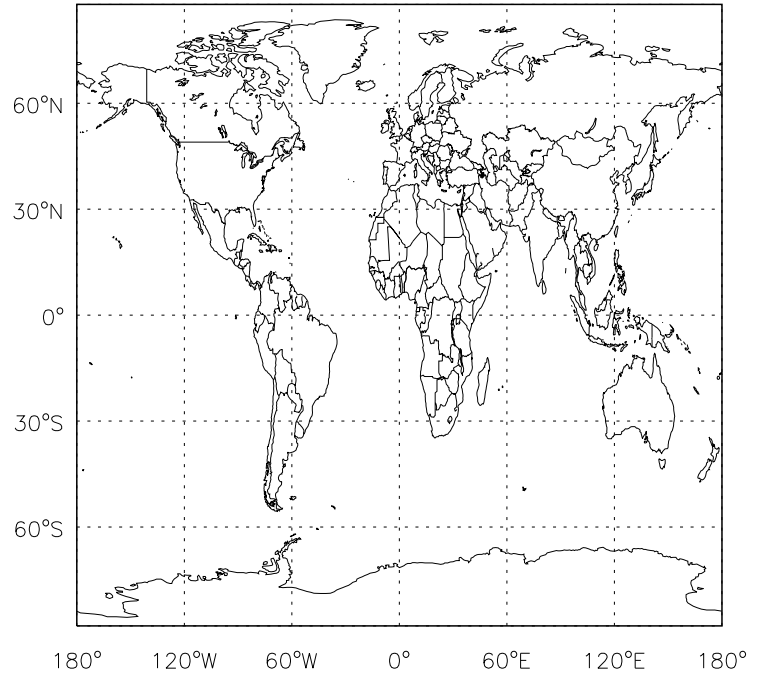
v11-01d-Run1 / v11-01b-Run0

ClO<sub>2</sub> / Ratio @ Surface for Apr



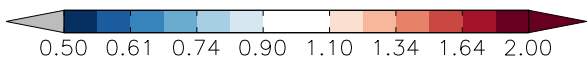
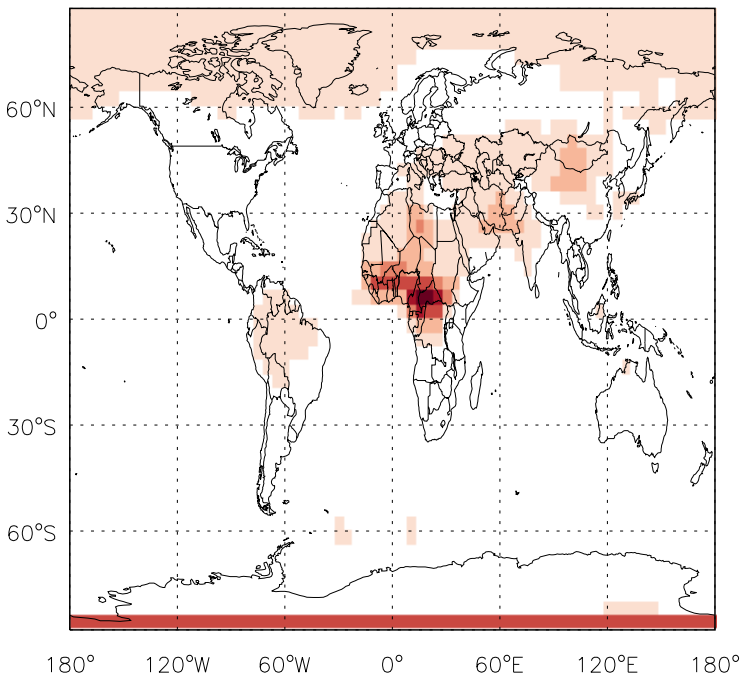
v11-01d-Run1 / v11-01b-Run0

ClO<sub>2</sub> / Ratio @ 500 hPa for Apr



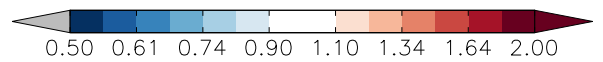
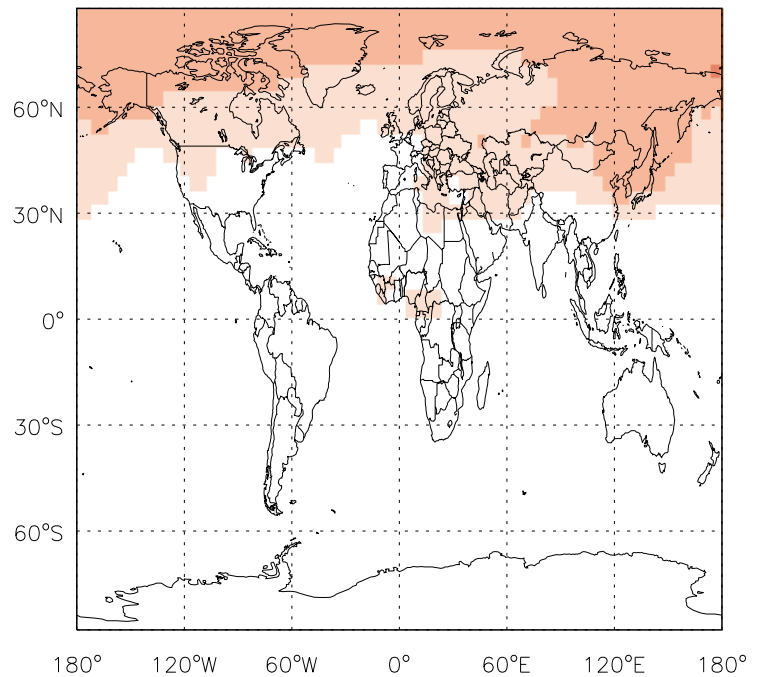
v11-01d-Run1 / v10-01-public-Run0

ClO<sub>2</sub> / Ratio @ Surface for Apr



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

ClO<sub>2</sub> / Ratio @ 500 hPa for Apr

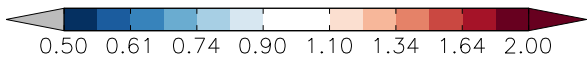
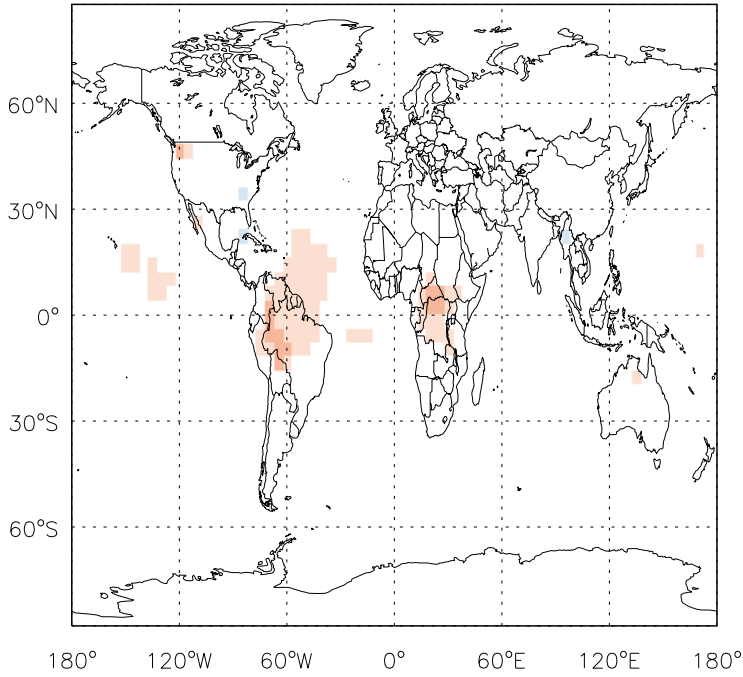




# GEOS-Chem Ratio Maps at surface and 500 hPa

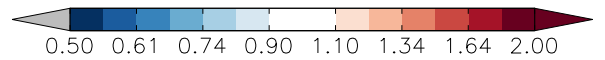
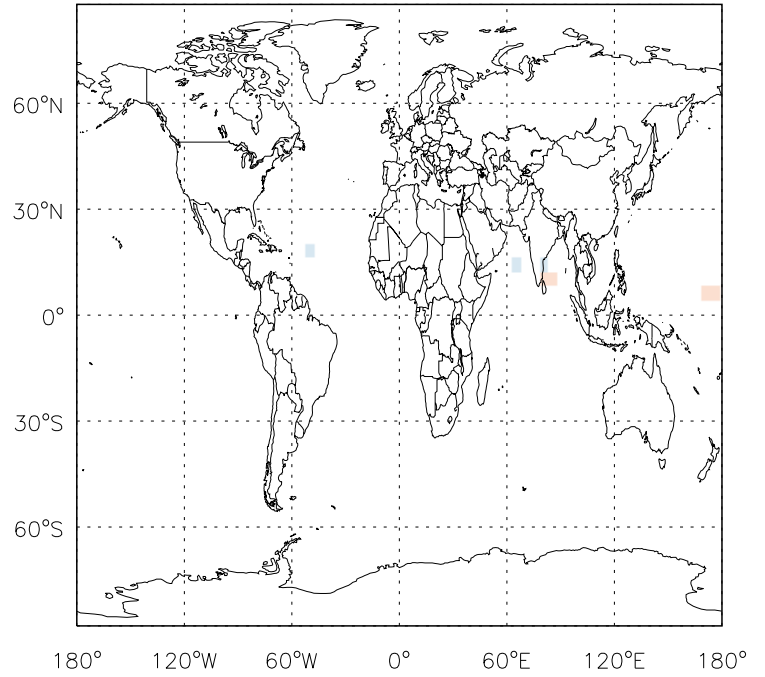
v11-01d-Run1 / v11-01b-Run0

OCIO / Ratio @ Surface for Apr



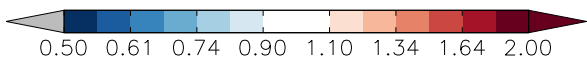
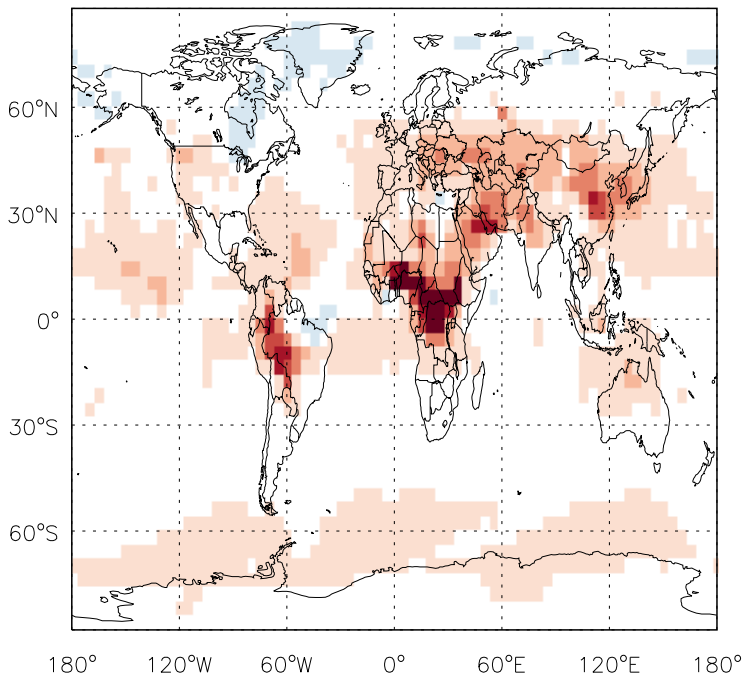
v11-01d-Run1 / v11-01b-Run0

OCIO/ Ratio @ 500 hPa for Apr



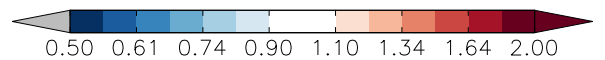
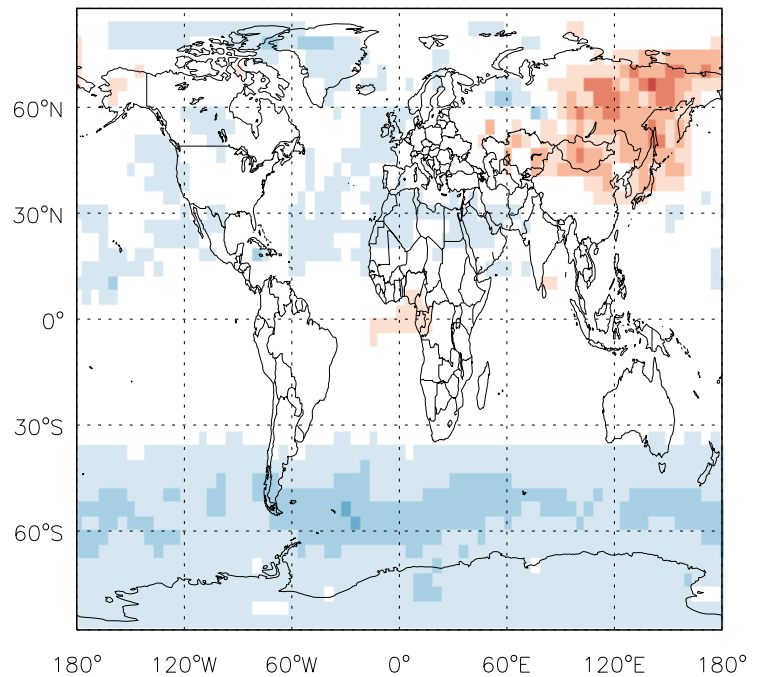
v11-01d-Run1 / v10-01-public-Run0

OCIO / Ratio @ Surface for Apr



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

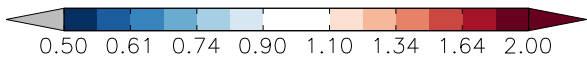
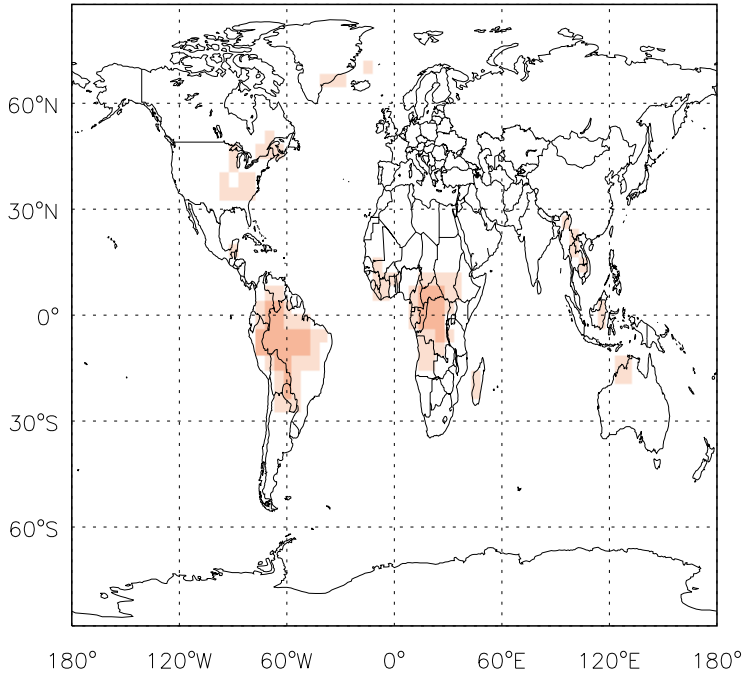
OCIO/ Ratio @ 500 hPa for Apr



# GEOS-Chem Ratio Maps at surface and 500 hPa

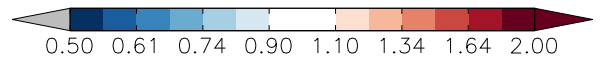
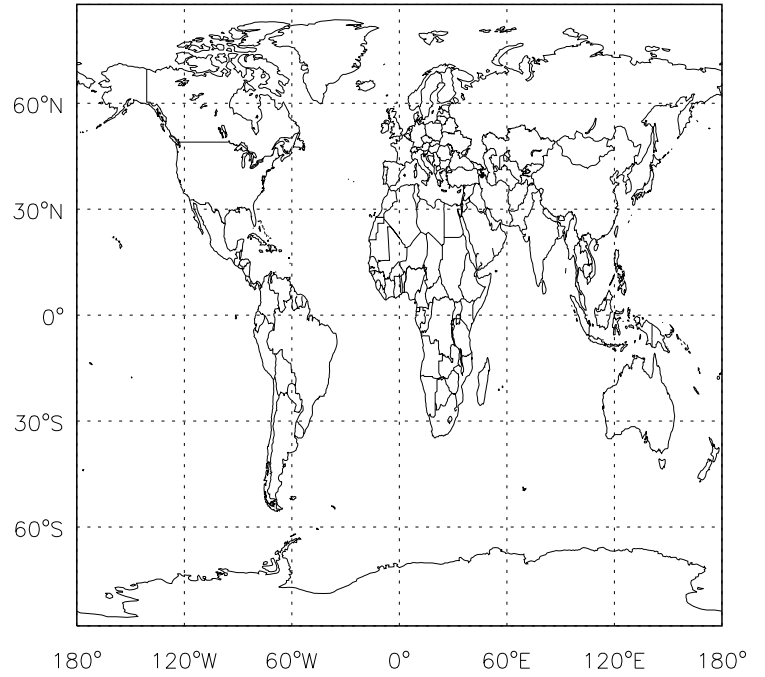
v11-01d-Run1 / v11-01b-Run0

Cl<sub>2</sub> / Ratio @ Surface for Apr



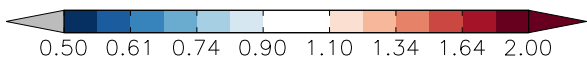
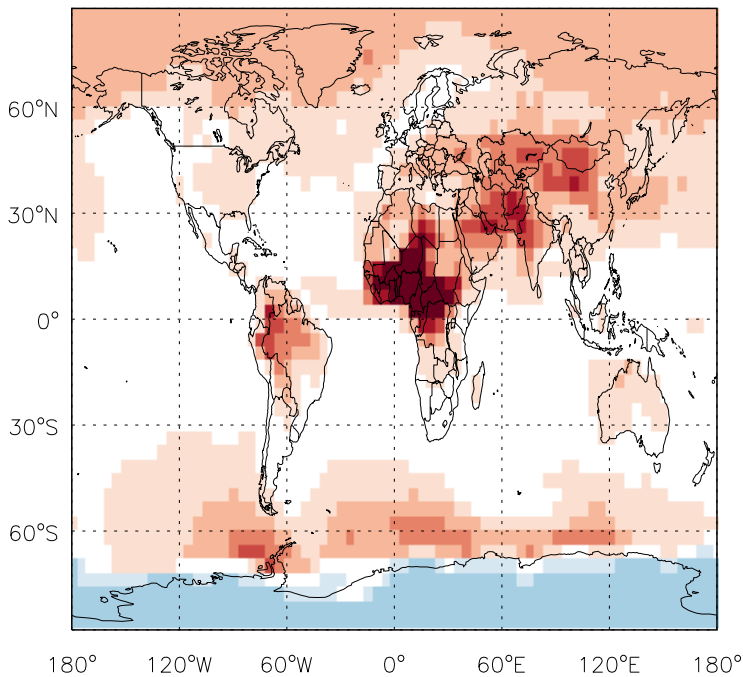
v11-01d-Run1 / v11-01b-Run0

Cl<sub>2</sub> / Ratio @ 500 hPa for Apr



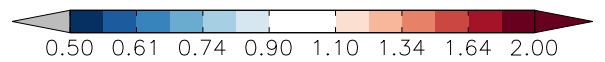
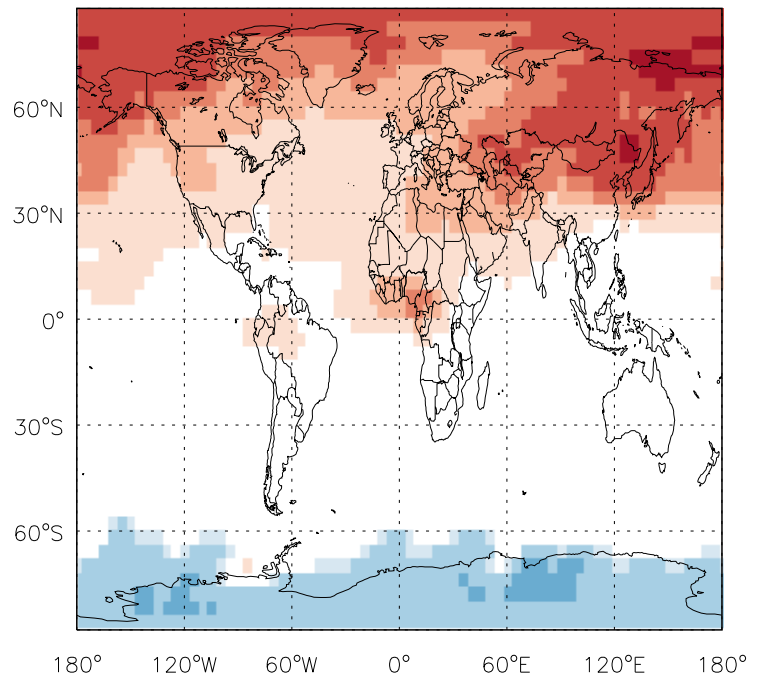
v11-01d-Run1 / v10-01-public-Run0

Cl<sub>2</sub> / Ratio @ Surface for Apr



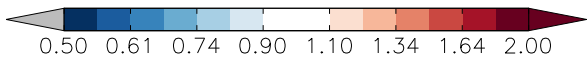
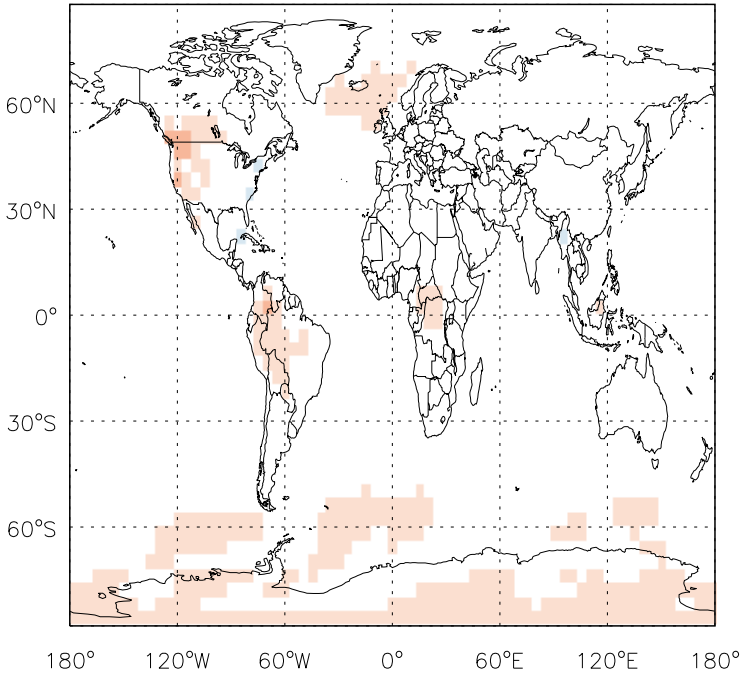
v11-01d-Run1 / v10-01-public-Run0

Cl<sub>2</sub> / Ratio @ 500 hPa for Apr

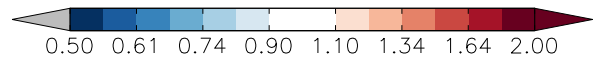
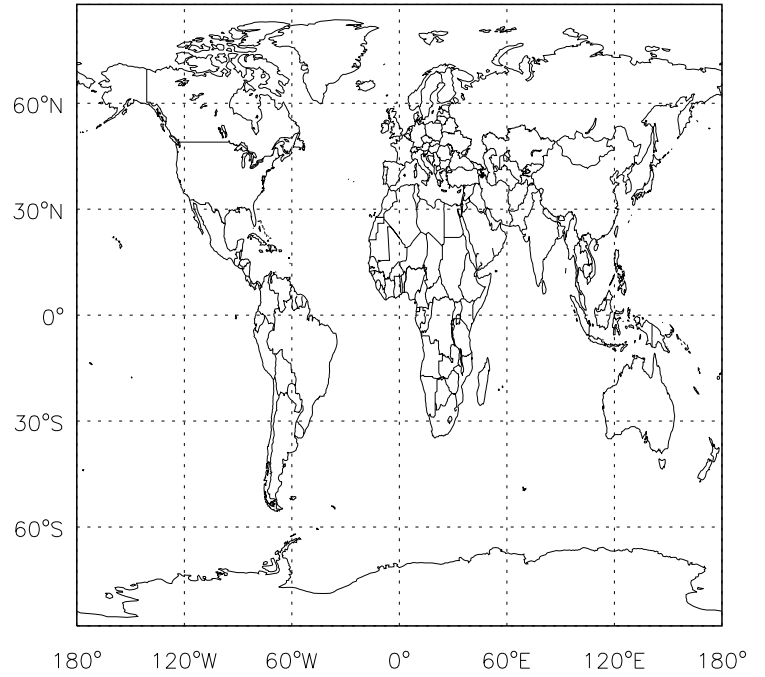


# GEOS-Chem Ratio Maps at surface and 500 hPa

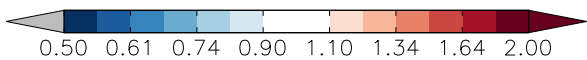
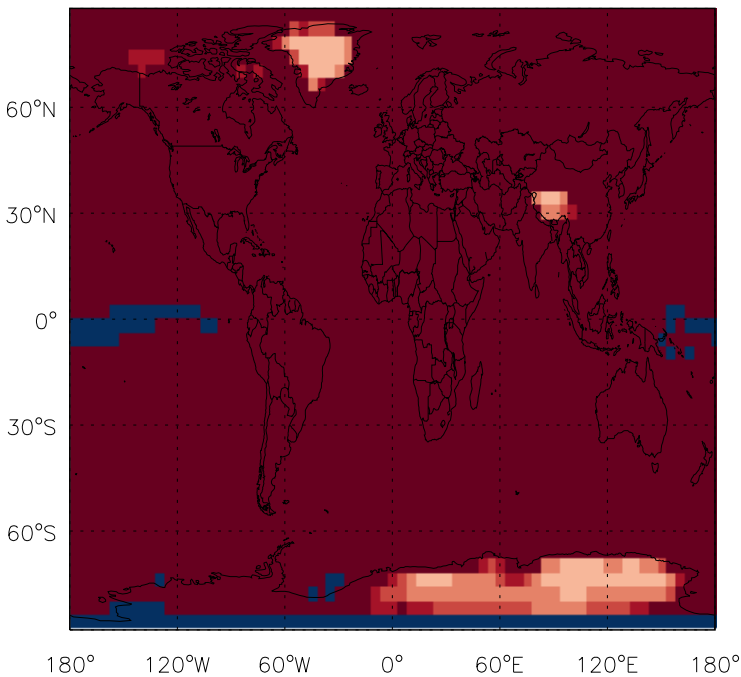
v11-01d-Run1 / v11-01b-Run0  
Cl2O2 / Ratio @ Surface for Apr



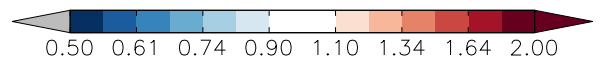
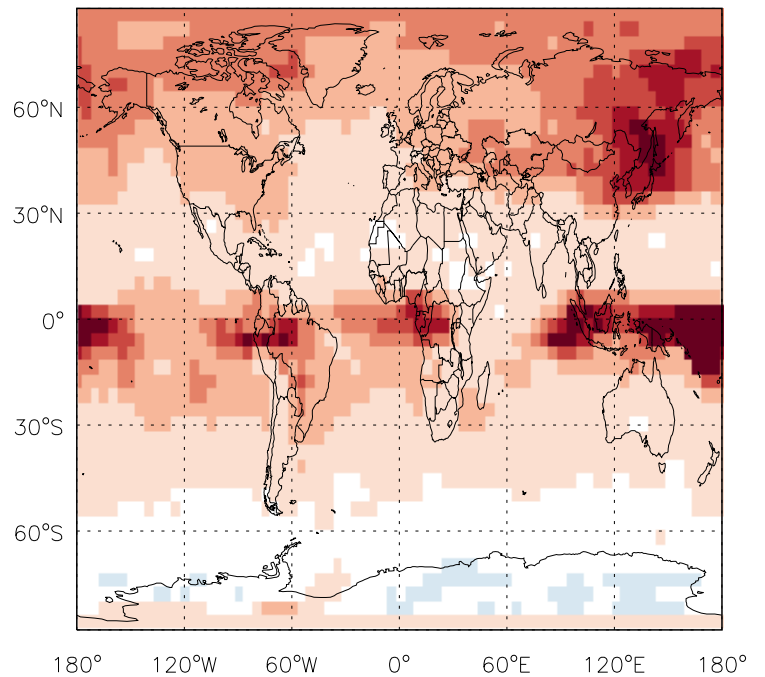
v11-01d-Run1 / v11-01b-Run0  
Cl2O2 / Ratio @ 500 hPa for Apr



v11-01d-Run1 / v10-01-public-Run0  
Cl2O2 / Ratio @ Surface for Apr



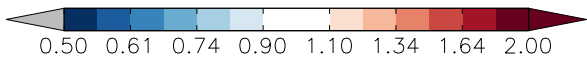
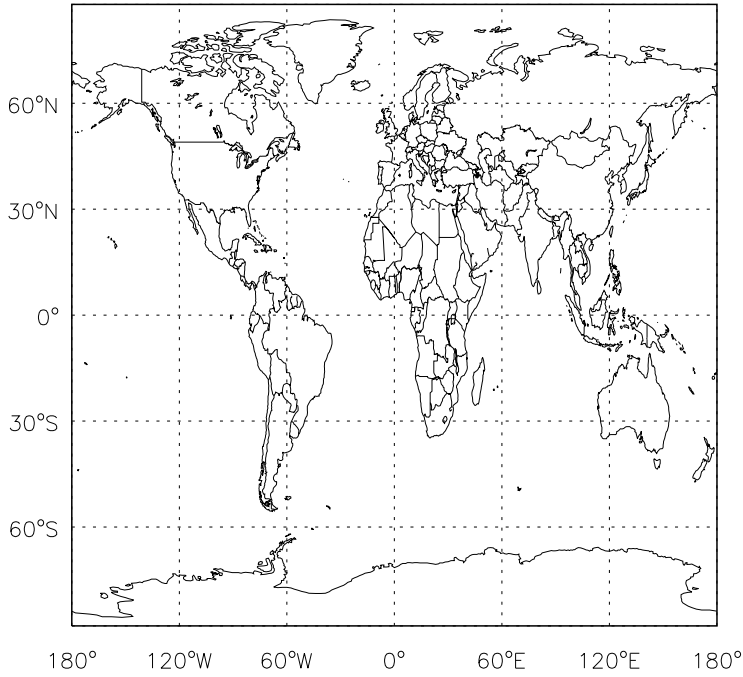
v11-01d-Run1 / v10-01-public-Run0  
Cl2O2 / Ratio @ 500 hPa for Apr



GEOS-Chem Ratio Maps at surface and 500 hPa

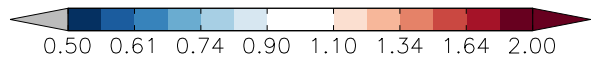
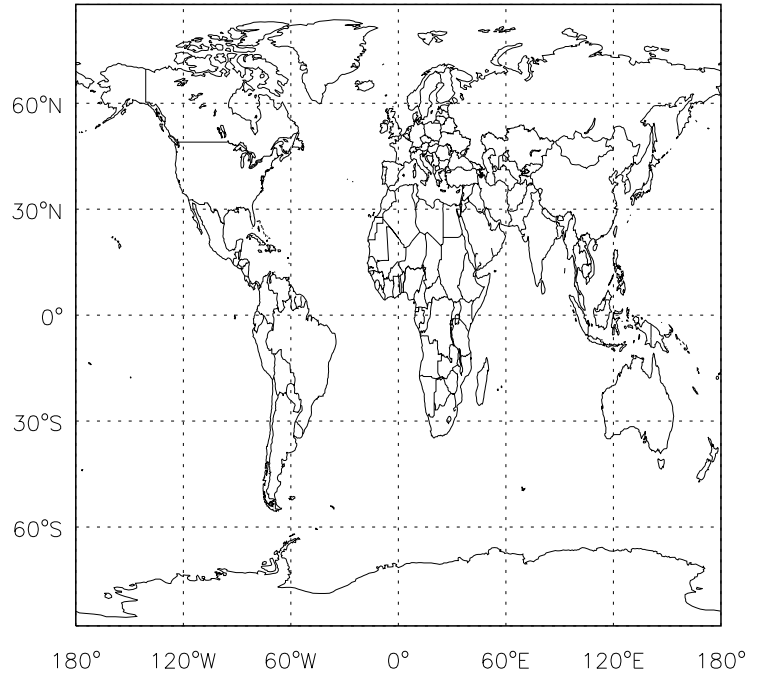
v11-01d-Run1 / v11-01b-Run0

H2O / Ratio @ Surface for Apr



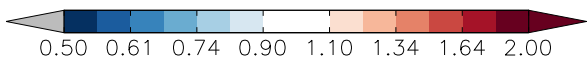
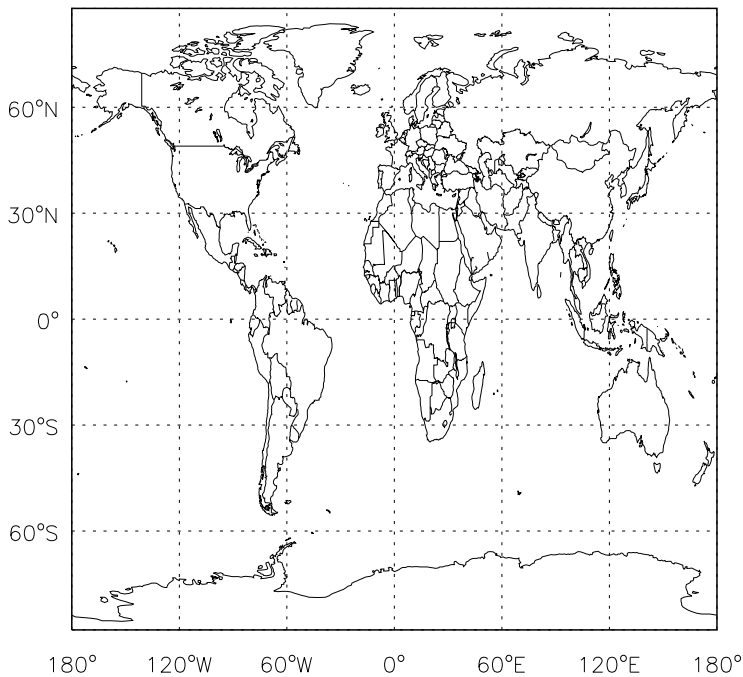
v11-01d-Run1 / v11-01b-Run0

H2O/ Ratio @ 500 hPa for Apr



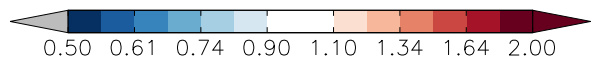
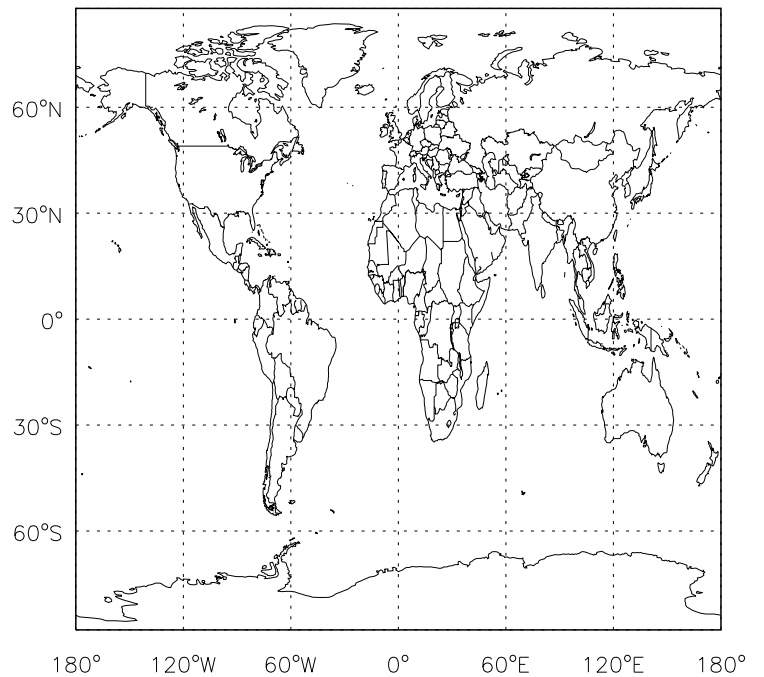
v11-01d-Run1 / v10-01-public-Run0

H2O / Ratio @ Surface for Apr



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

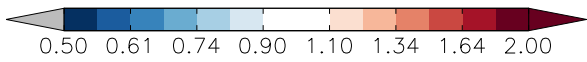
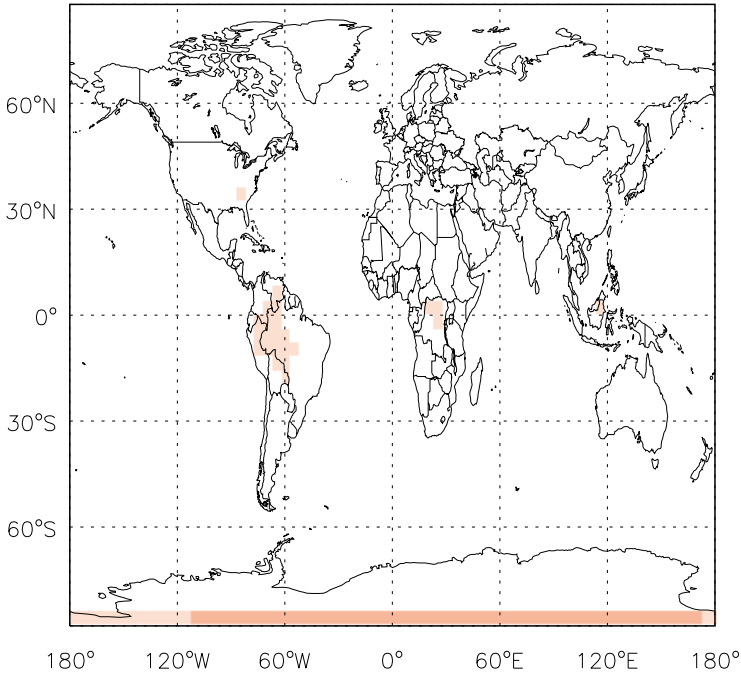
H2O/ Ratio @ 500 hPa for Apr



# GEOS-Chem Ratio Maps at surface and 500 hPa

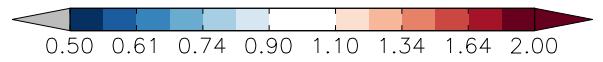
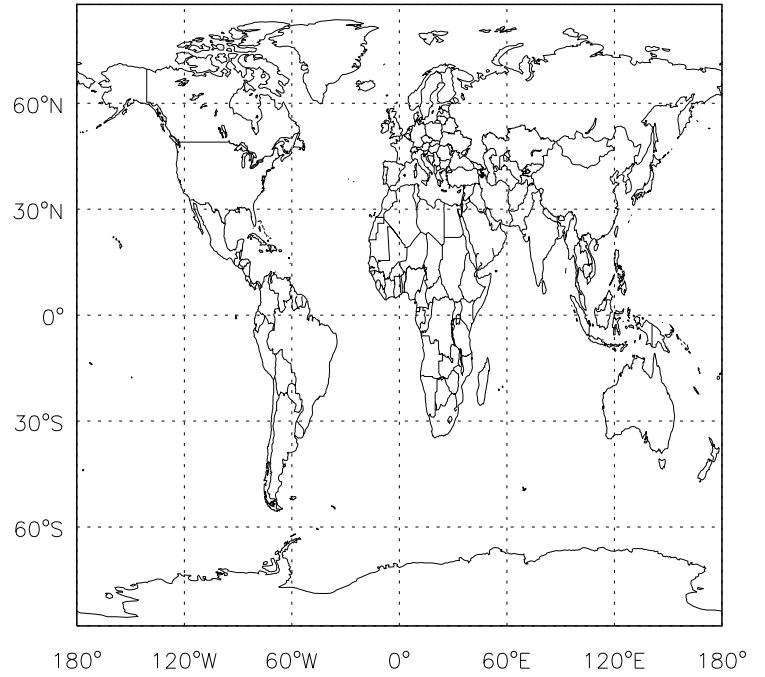
v11-01d-Run1 / v11-01b-Run0

OH / Ratio @ Surface for Apr



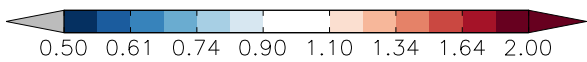
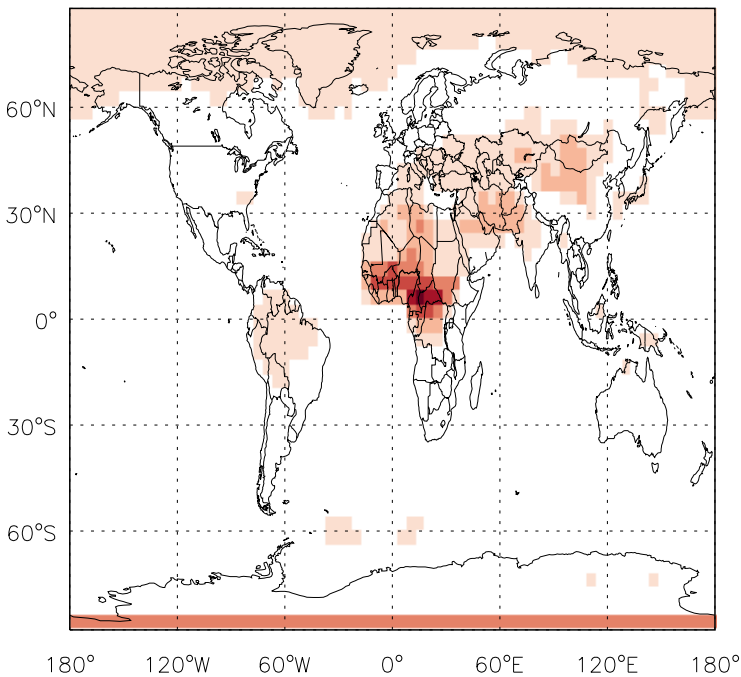
v11-01d-Run1 / v11-01b-Run0

OH / Ratio @ 500 hPa for Apr



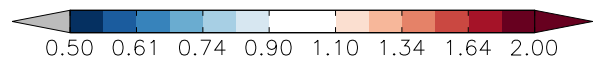
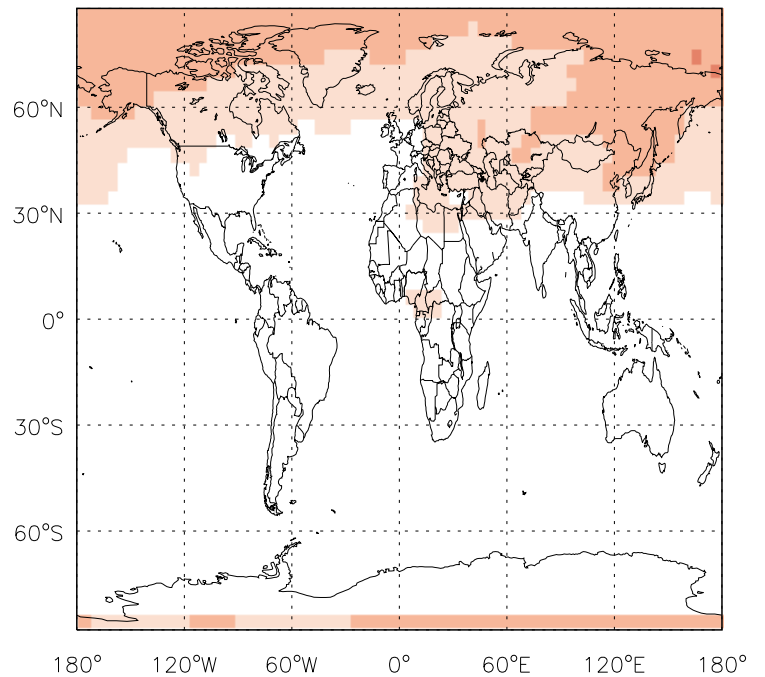
v11-01d-Run1 / v10-01-public-Run0

OH / Ratio @ Surface for Apr



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

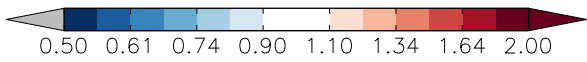
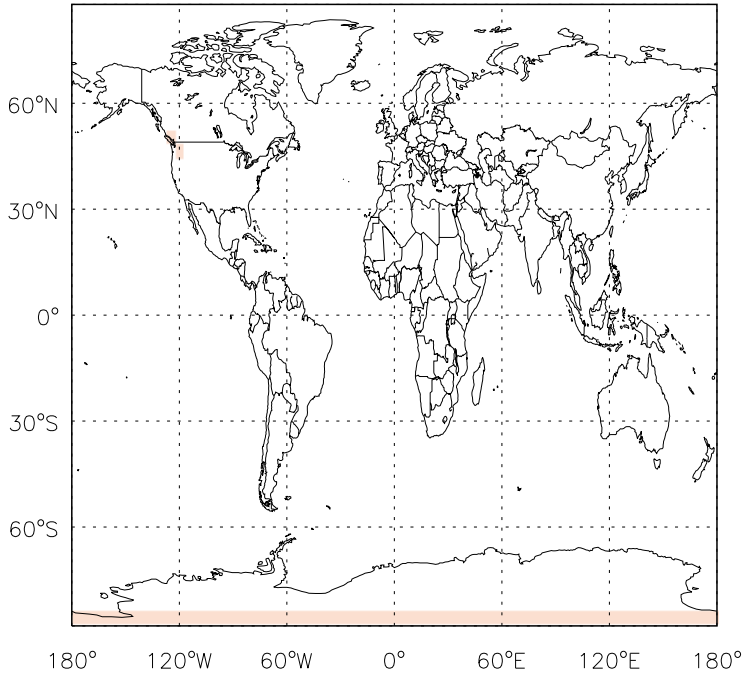
OH / Ratio @ 500 hPa for Apr



# GEOS-Chem Ratio Maps at surface and 500 hPa

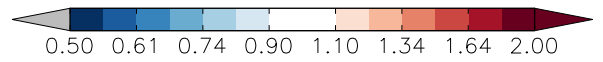
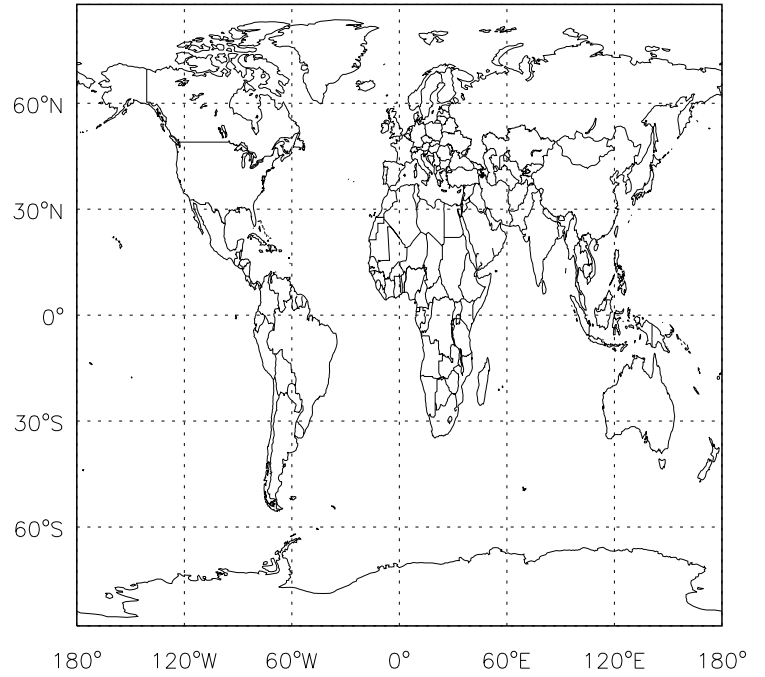
v11-01d-Run1 / v11-01b-Run0

H<sub>2</sub>O<sub>2</sub> / Ratio @ Surface for Apr



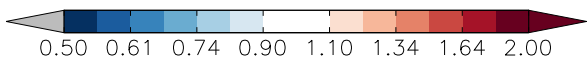
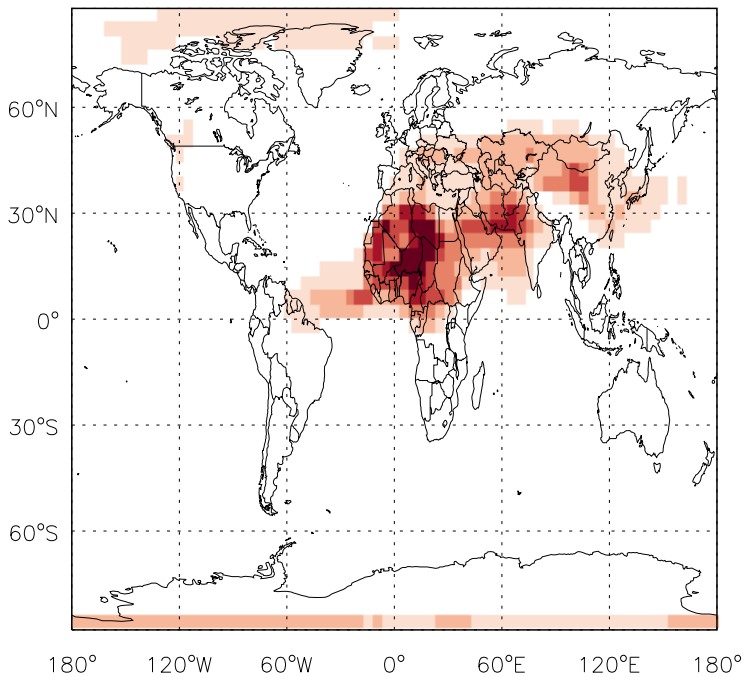
v11-01d-Run1 / v11-01b-Run0

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



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

H<sub>2</sub>O<sub>2</sub> / Ratio @ Surface for Apr



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

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

