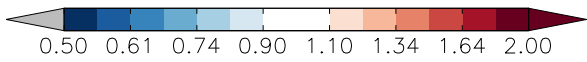
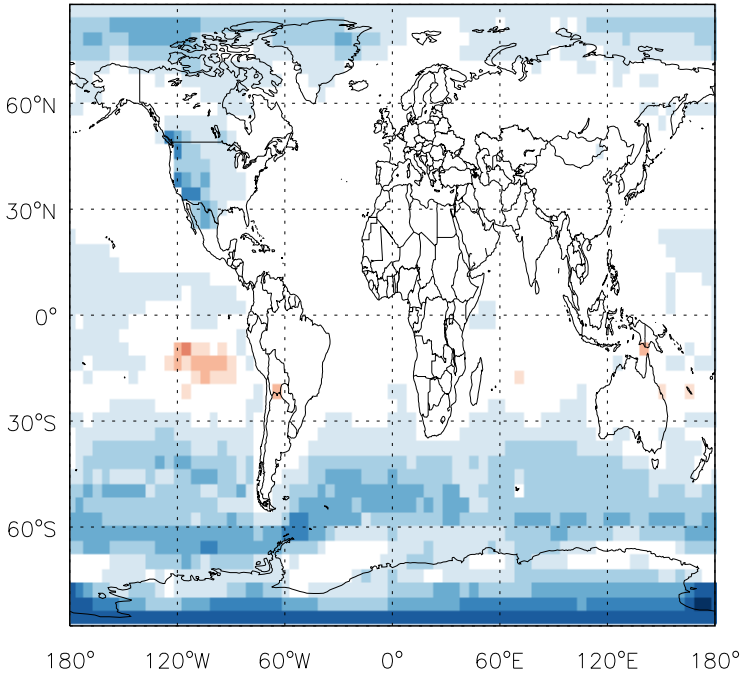
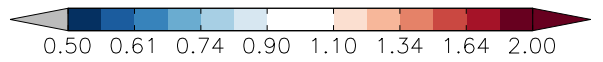
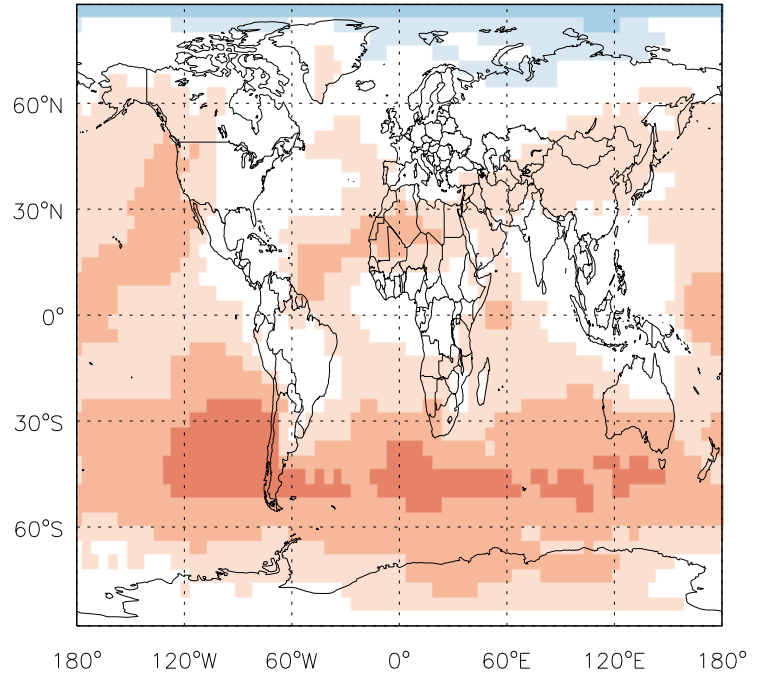


GEOS-Chem Ratio Maps at surface and 500 hPa

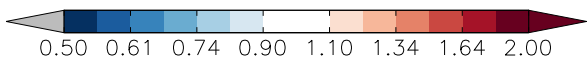
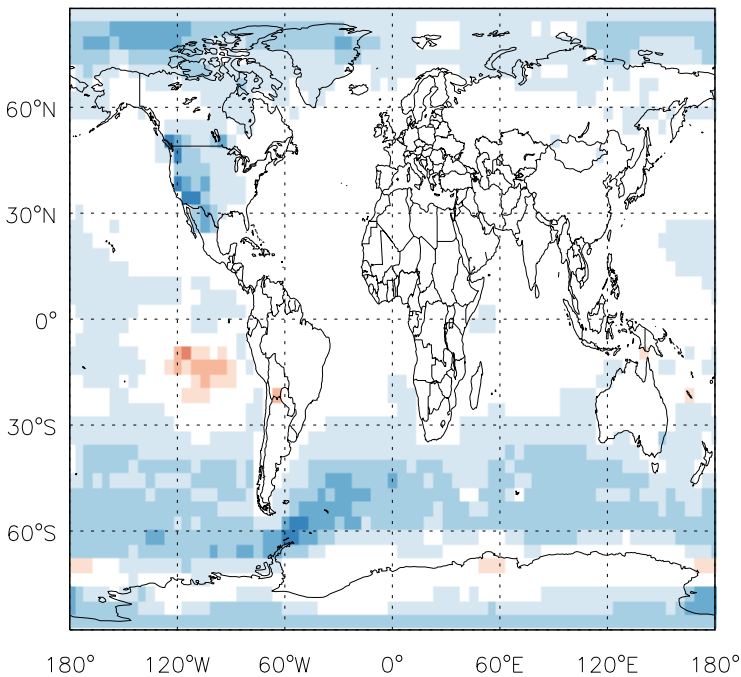
v11-01d-Run0 / v11-01b-Run0  
NO / Ratio @ Surface for Oct



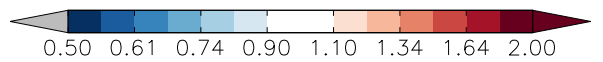
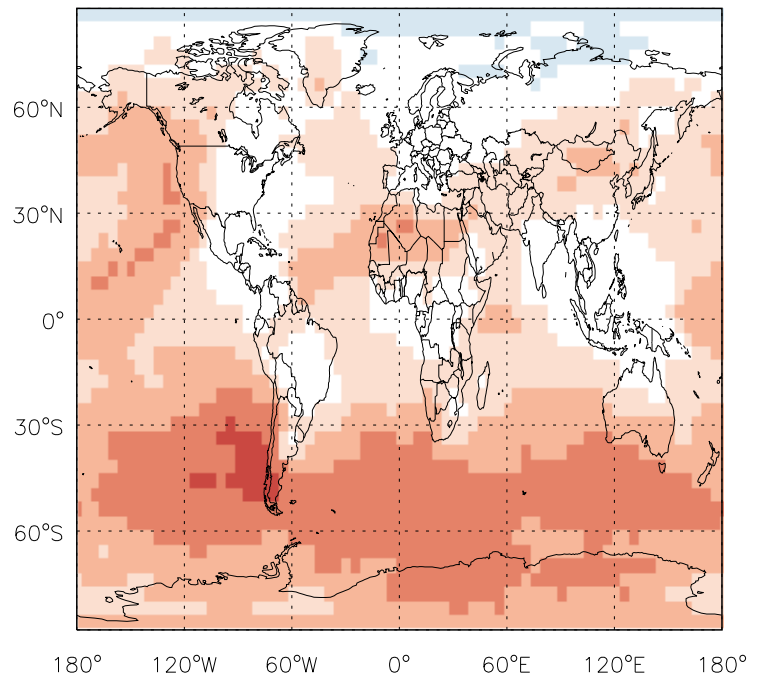
v11-01d-Run0 / v11-01b-Run0  
NO / Ratio @ 500 hPa for Oct



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



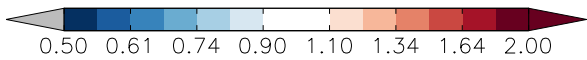
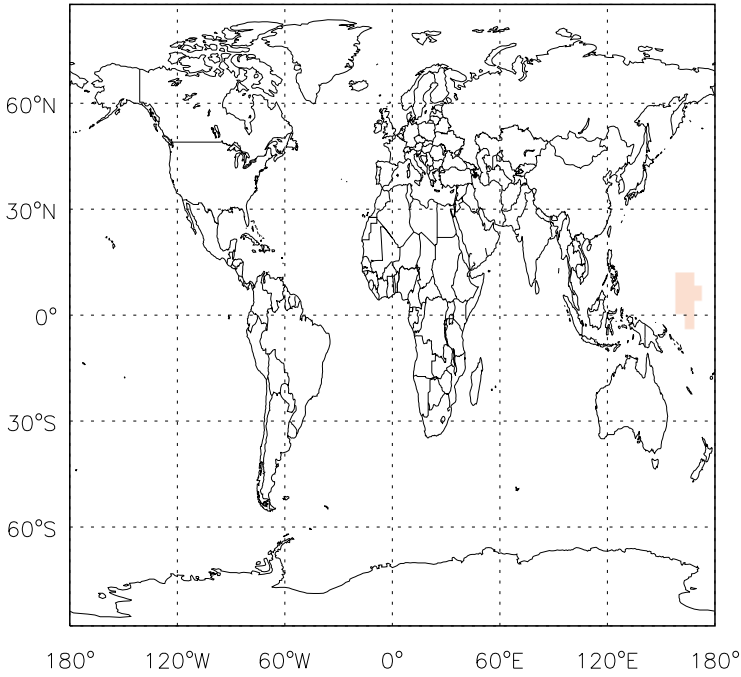
v11-01d-Run0 / v10-01-public-Run0  
NO / Ratio @ 500 hPa for Oct



# GEOS-Chem Ratio Maps at surface and 500 hPa

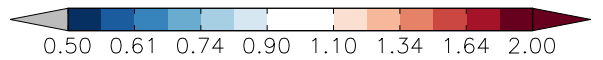
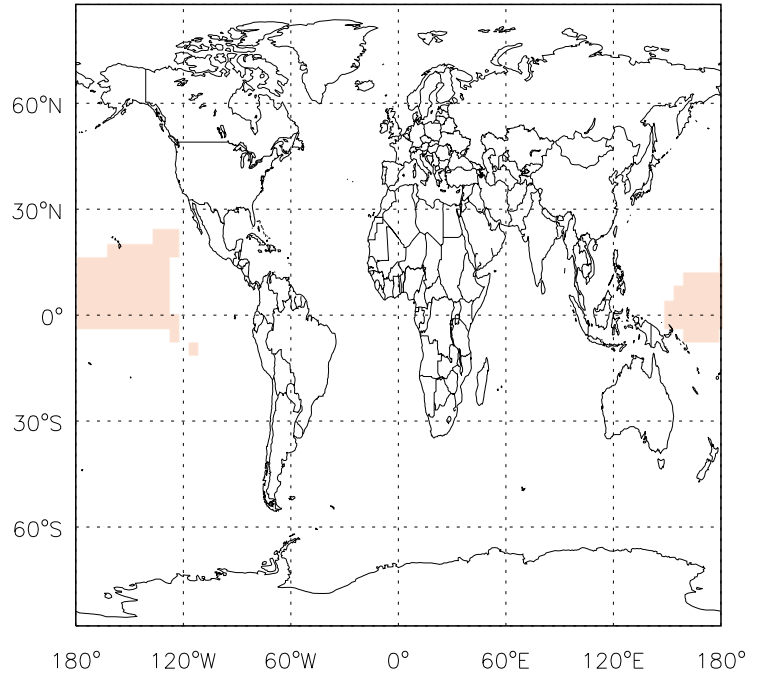
v11-01d-Run0 / v11-01b-Run0

O3 / Ratio @ Surface for Oct



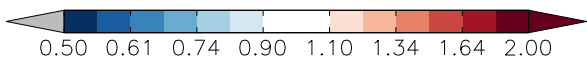
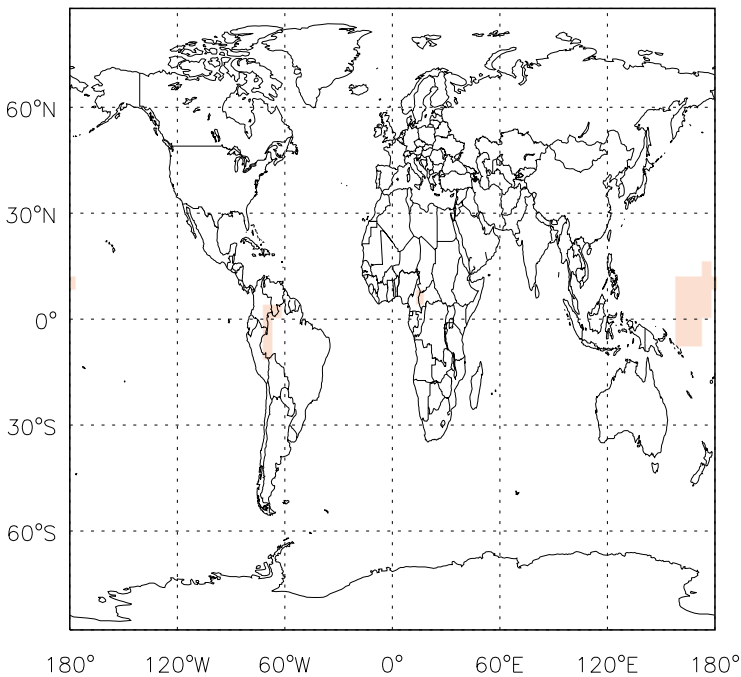
v11-01d-Run0 / v11-01b-Run0

O3/ Ratio @ 500 hPa for Oct



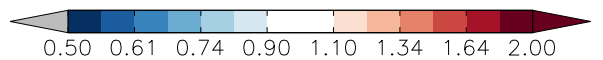
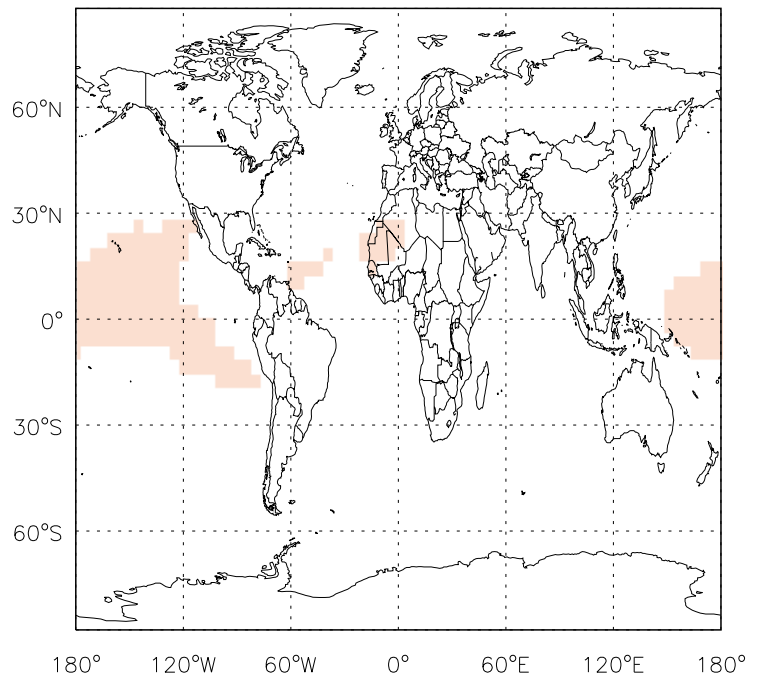
v11-01d-Run0 / v10-01-public-Run0

O3 / Ratio @ Surface for Oct



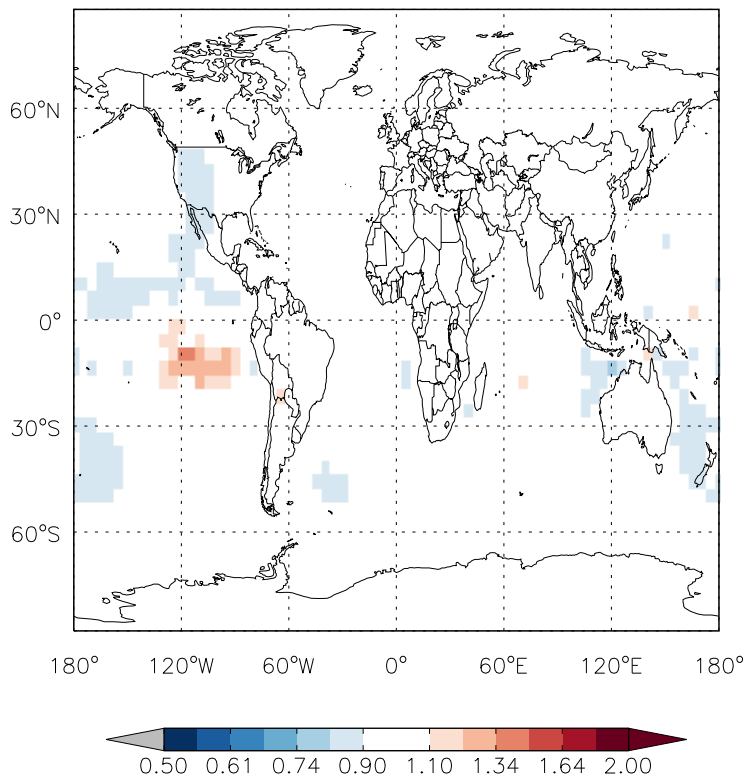
v11-01d-Run0 / v10-01-public-Run0

O3/ Ratio @ 500 hPa for Oct

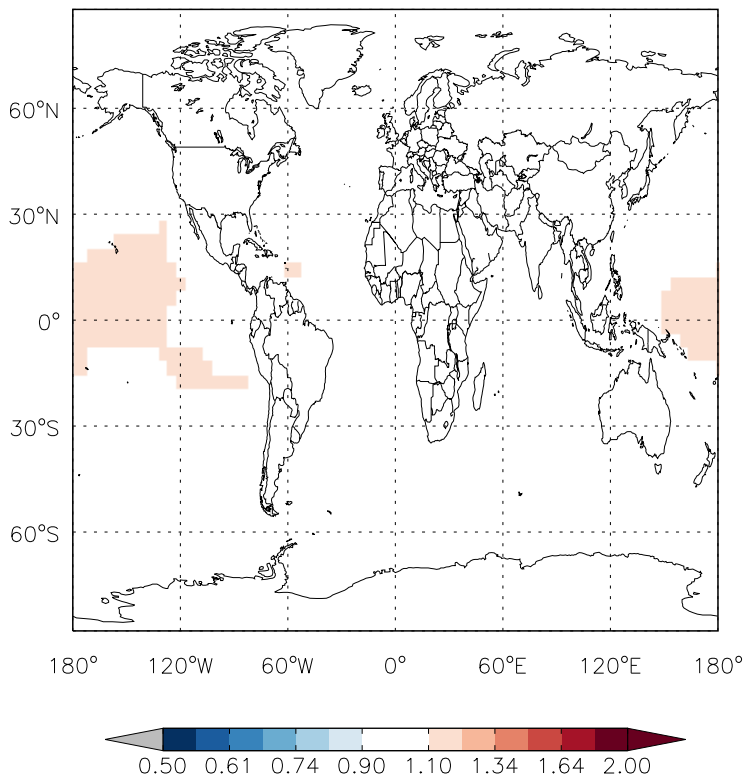


GEOS-Chem Ratio Maps at surface and 500 hPa

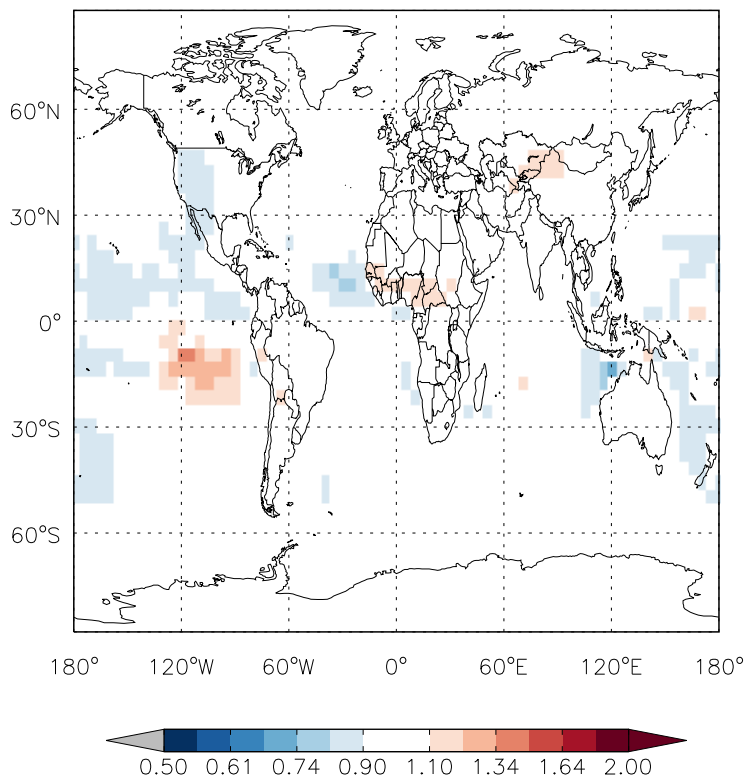
v11-01d-Run0 / v11-01b-Run0  
PAN / Ratio @ Surface for Oct



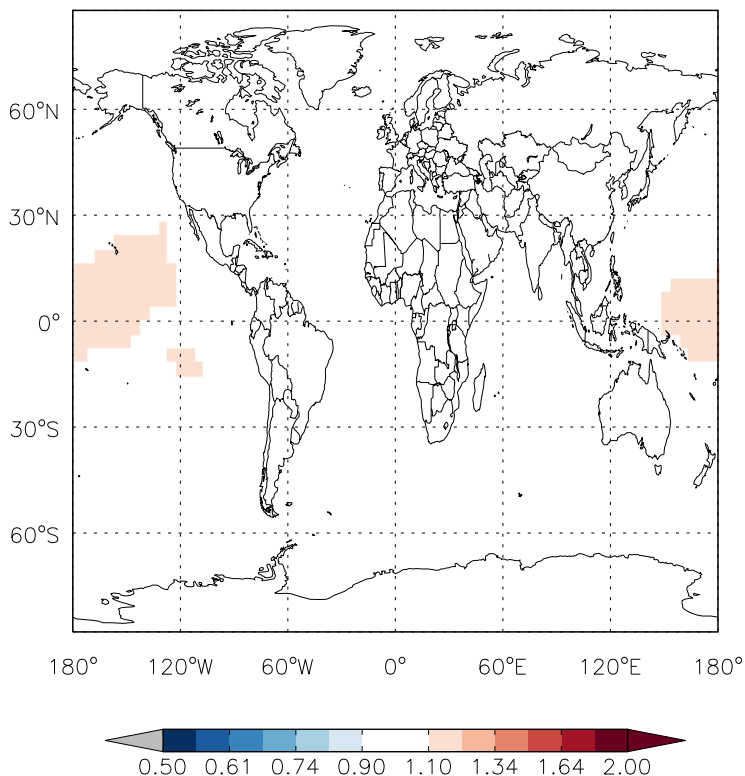
v11-01d-Run0 / v11-01b-Run0  
PAN/ Ratio @ 500 hPa for Oct



v11-01d-Run0 / v10-01-public-Run0  
PAN / Ratio @ Surface for Oct



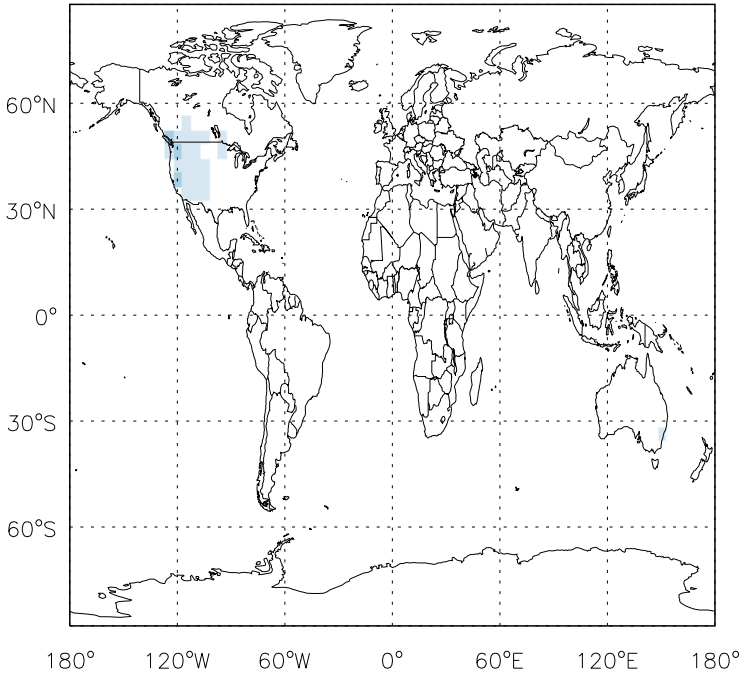
v11-01d-Run0 / v10-01-public-Run0  
PAN/ Ratio @ 500 hPa for Oct



GEOS-Chem Ratio Maps at surface and 500 hPa

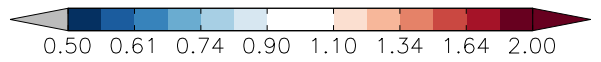
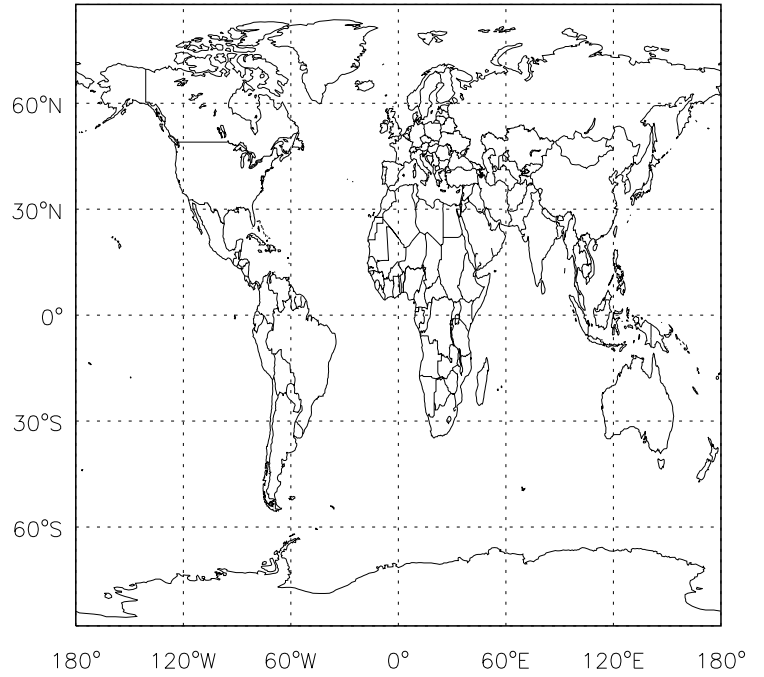
v11-01d-Run0 / v11-01b-Run0

CO / Ratio @ Surface for Oct



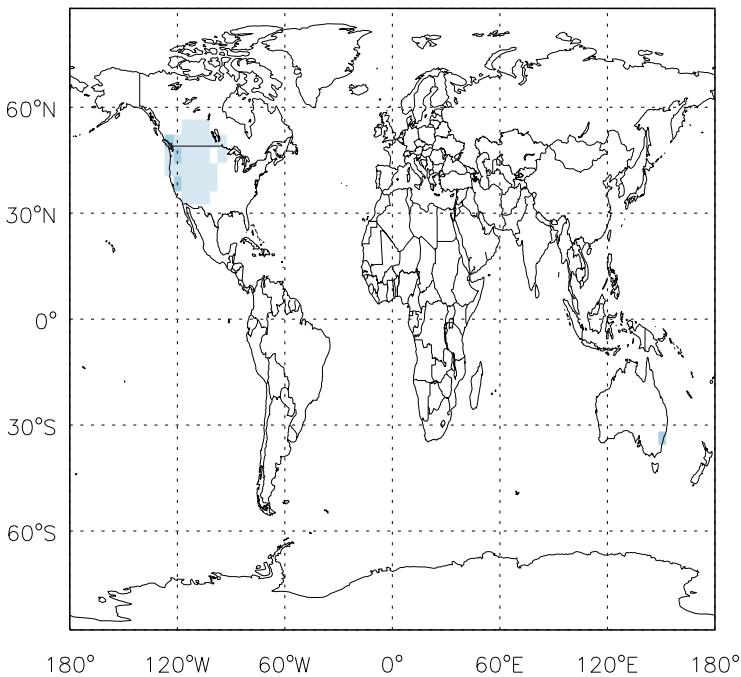
v11-01d-Run0 / v11-01b-Run0

CO / Ratio @ 500 hPa for Oct



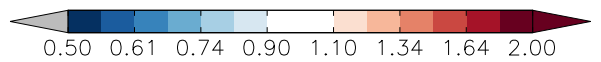
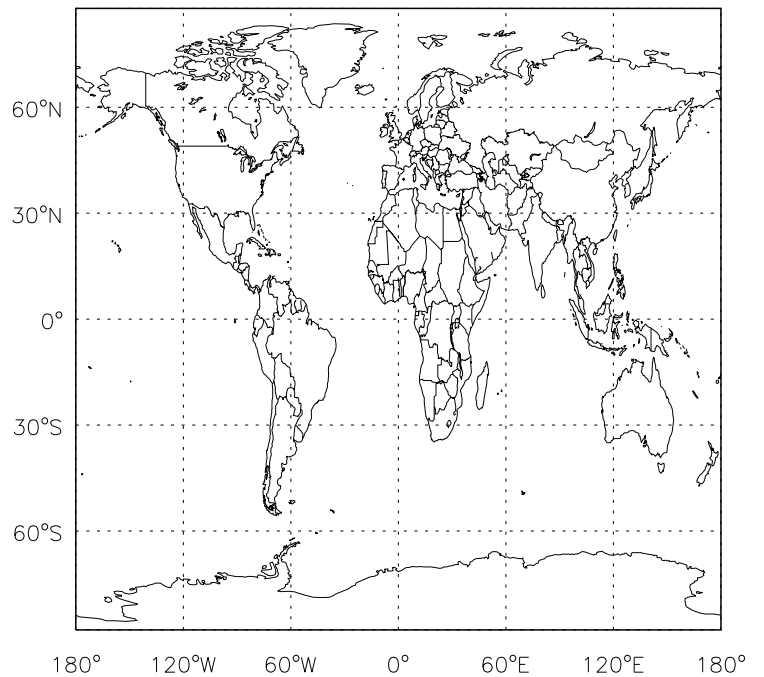
v11-01d-Run0 / v10-01-public-Run0

CO / Ratio @ Surface for Oct



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

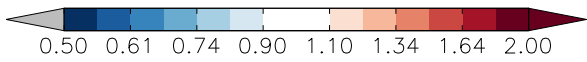
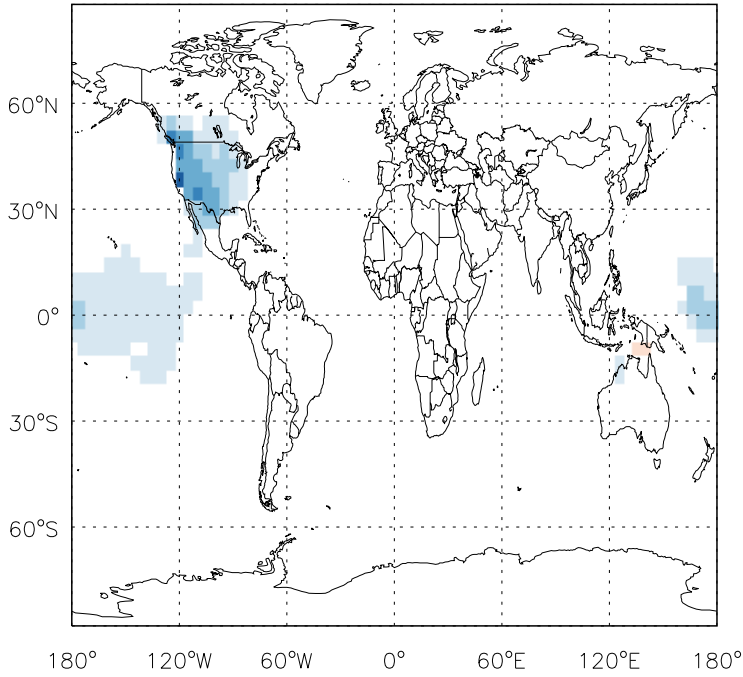
CO / Ratio @ 500 hPa for Oct



GEOS-Chem Ratio Maps at surface and 500 hPa

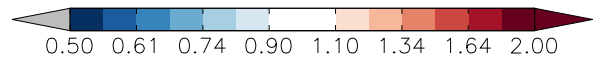
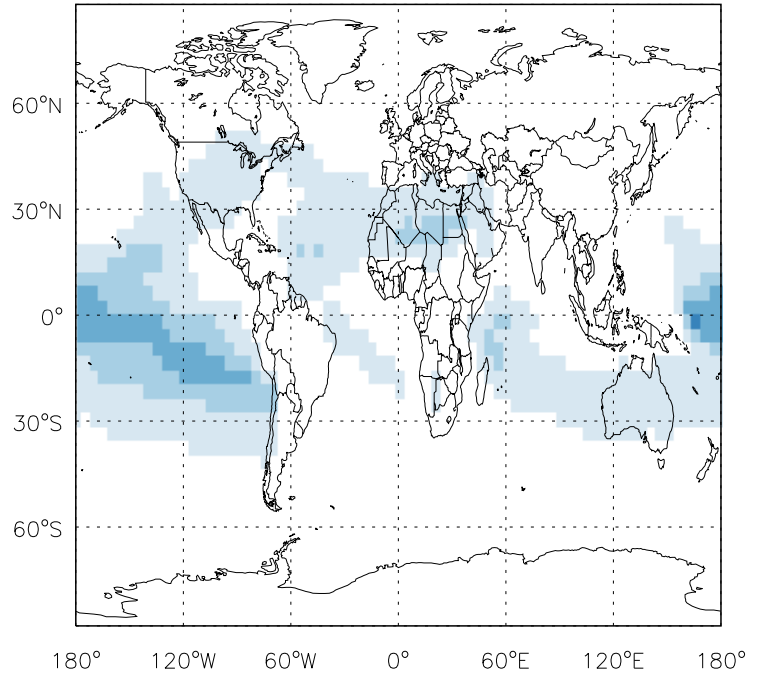
v11-01d-Run0 / v11-01b-Run0

ALK4 / Ratio @ Surface for Oct



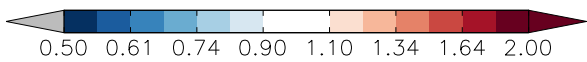
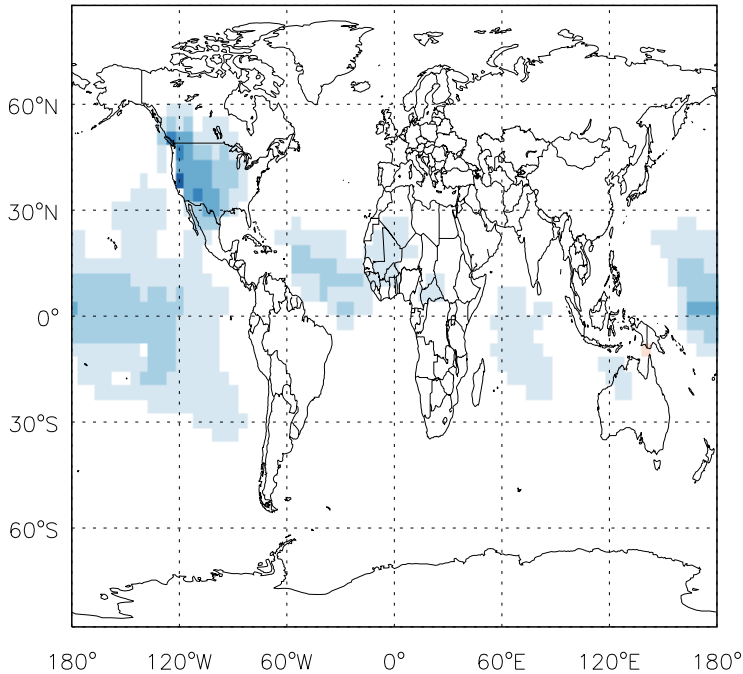
v11-01d-Run0 / v11-01b-Run0

ALK4 / Ratio @ 500 hPa for Oct



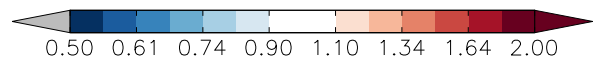
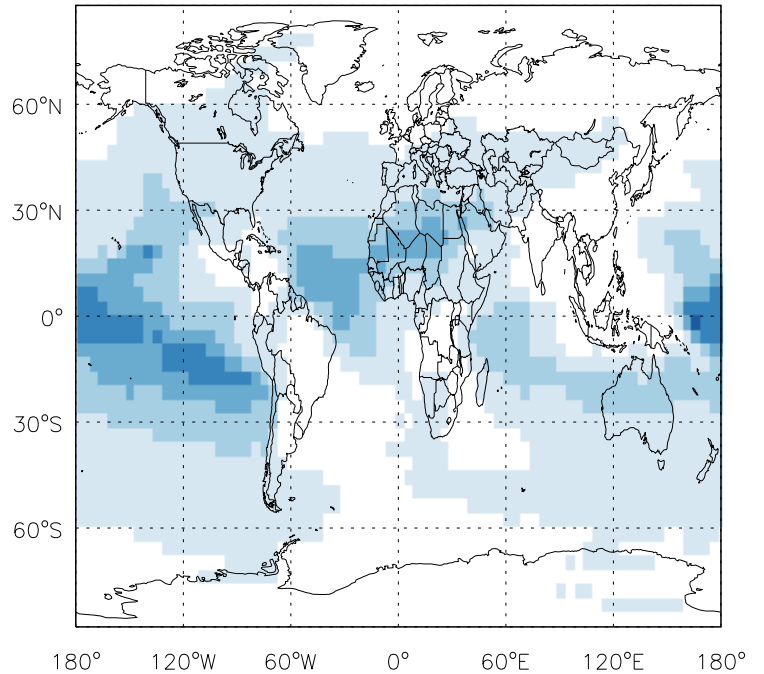
v11-01d-Run0 / v10-01-public-Run0

ALK4 / Ratio @ Surface for Oct



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

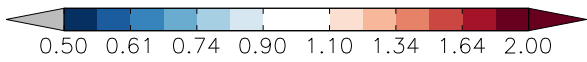
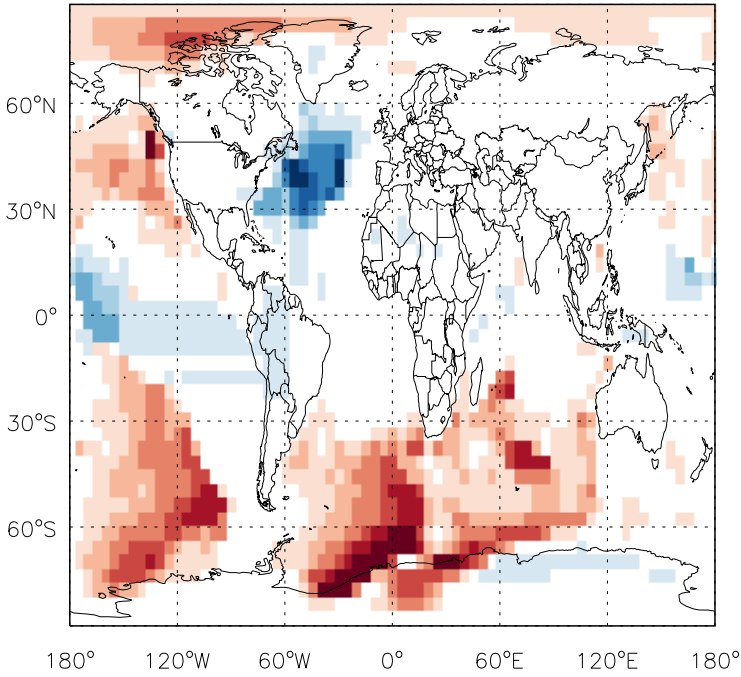
ALK4 / Ratio @ 500 hPa for Oct



# GEOS-Chem Ratio Maps at surface and 500 hPa

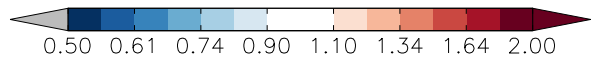
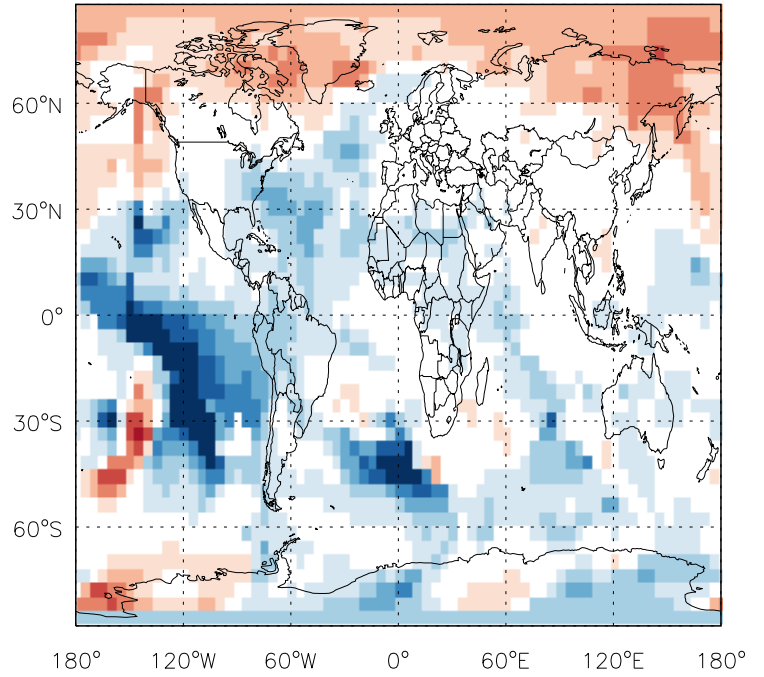
v11-01d-Run0 / v11-01b-Run0

ISOP / Ratio @ Surface for Oct



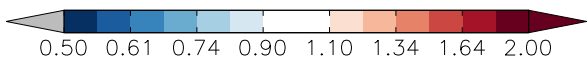
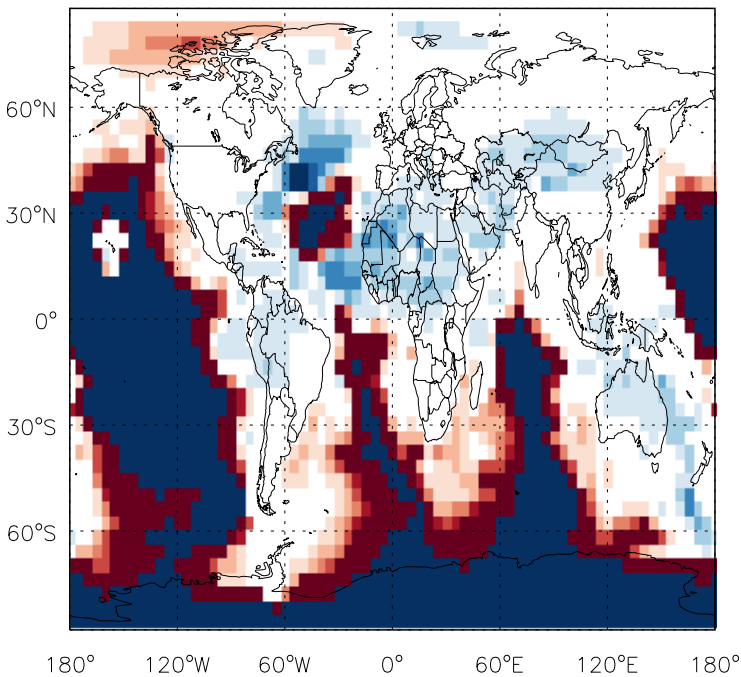
v11-01d-Run0 / v11-01b-Run0

ISOP / Ratio @ 500 hPa for Oct



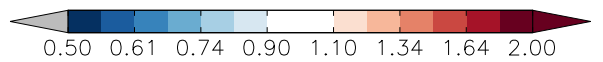
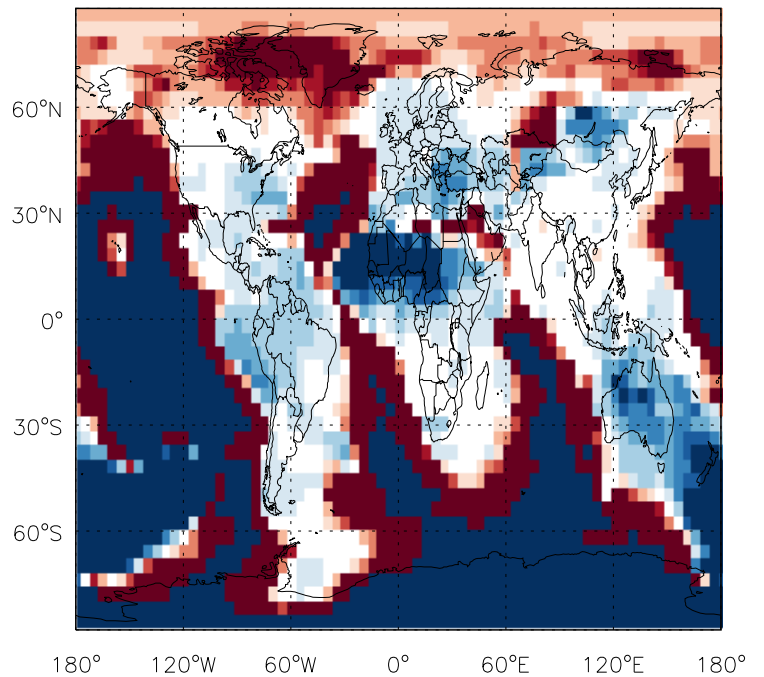
v11-01d-Run0 / v10-01-public-Run0

ISOP / Ratio @ Surface for Oct



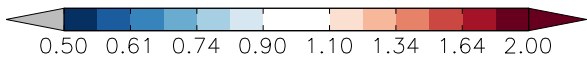
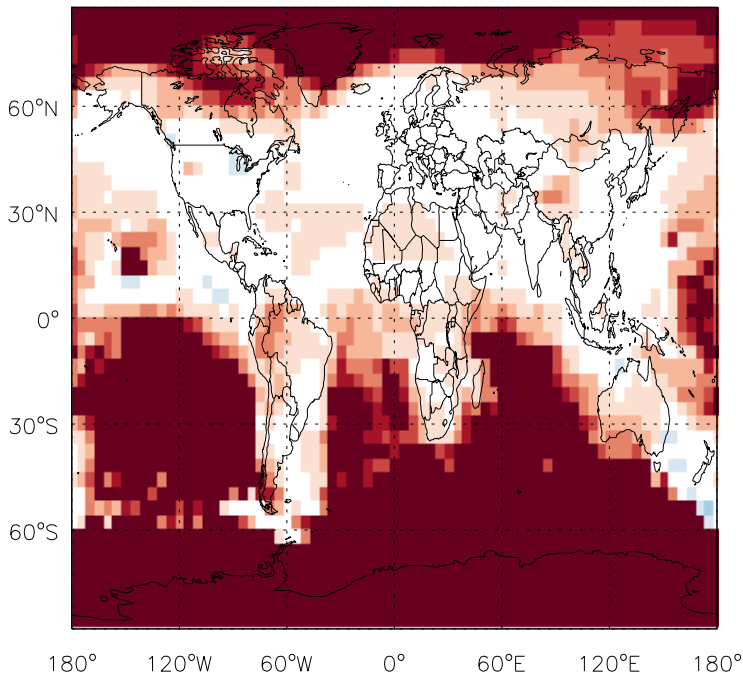
v11-01d-Run0 / v10-01-public-Run0

ISOP / Ratio @ 500 hPa for Oct

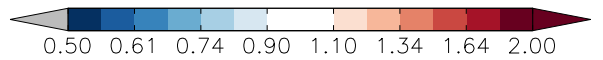
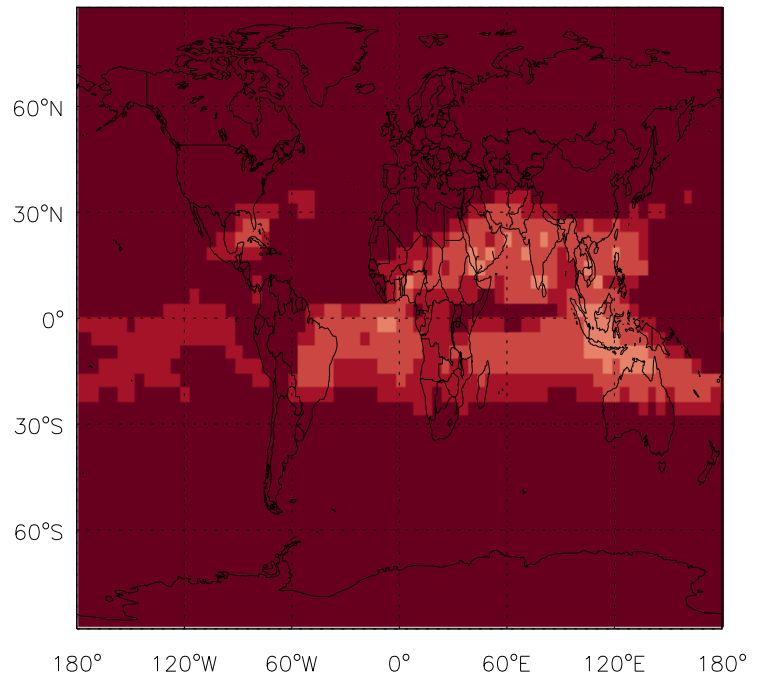


GEOS-Chem Ratio Maps at surface and 500 hPa

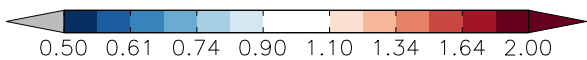
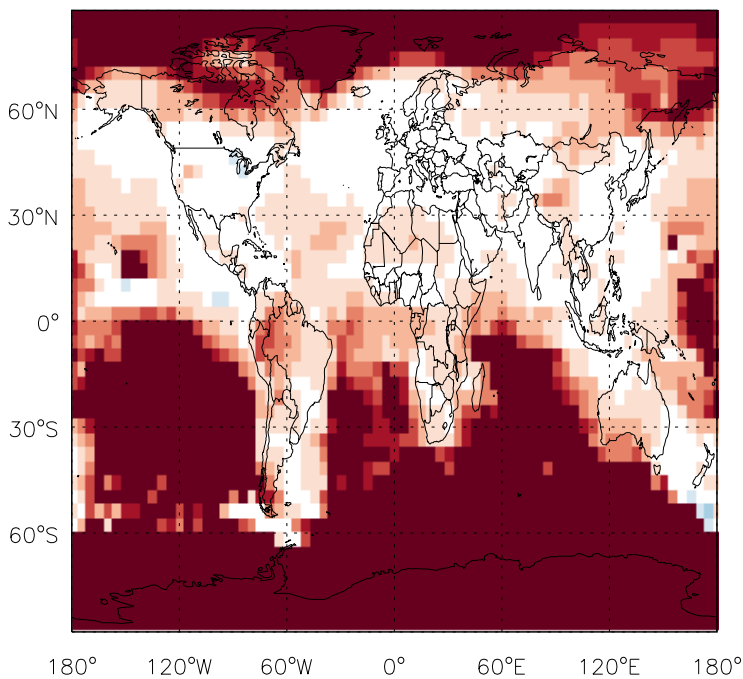
v11-01d-Run0 / v11-01b-Run0  
HN03 / Ratio @ Surface for Oct



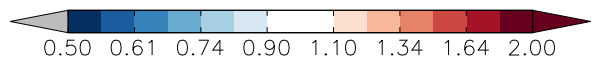
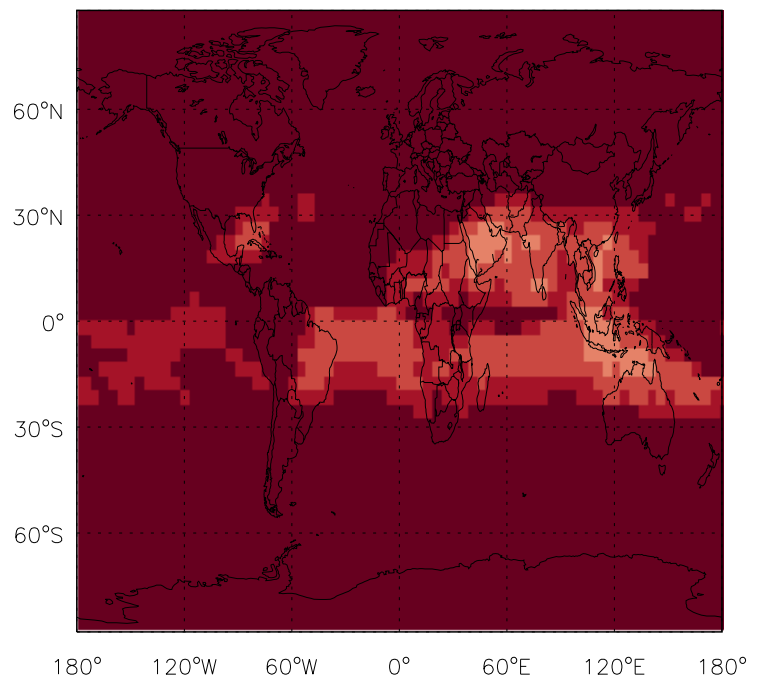
v11-01d-Run0 / v11-01b-Run0  
HN03/ Ratio @ 500 hPa for Oct



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

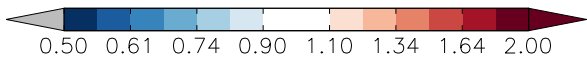
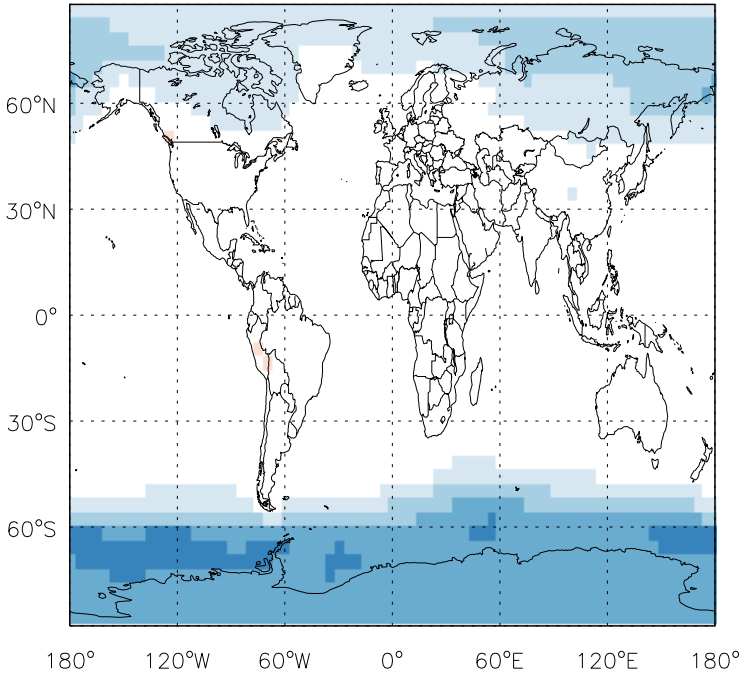


v11-01d-Run0 / v10-01-public-Run0  
HN03/ Ratio @ 500 hPa for Oct

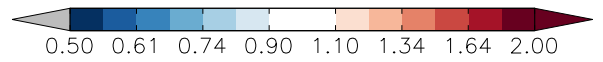
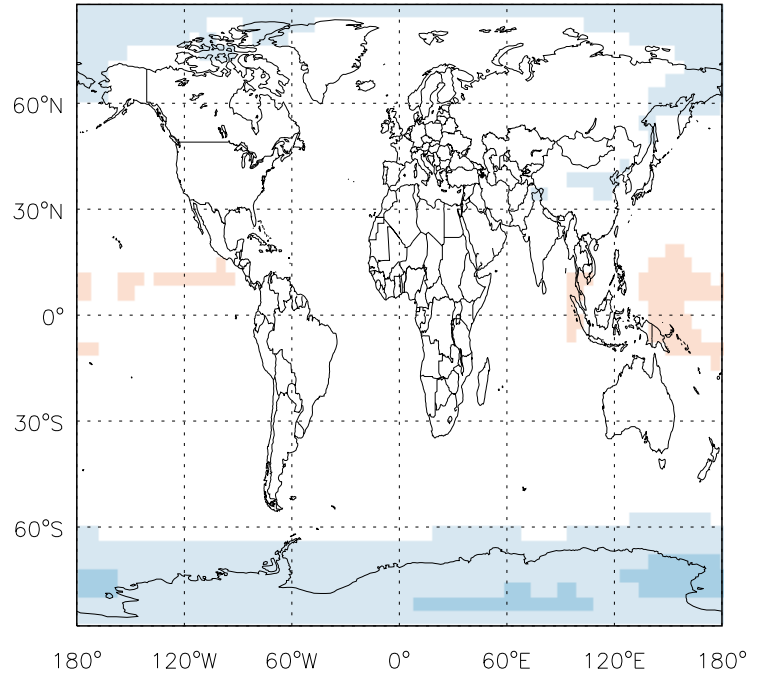


GEOS-Chem Ratio Maps at surface and 500 hPa

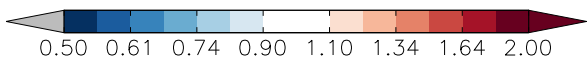
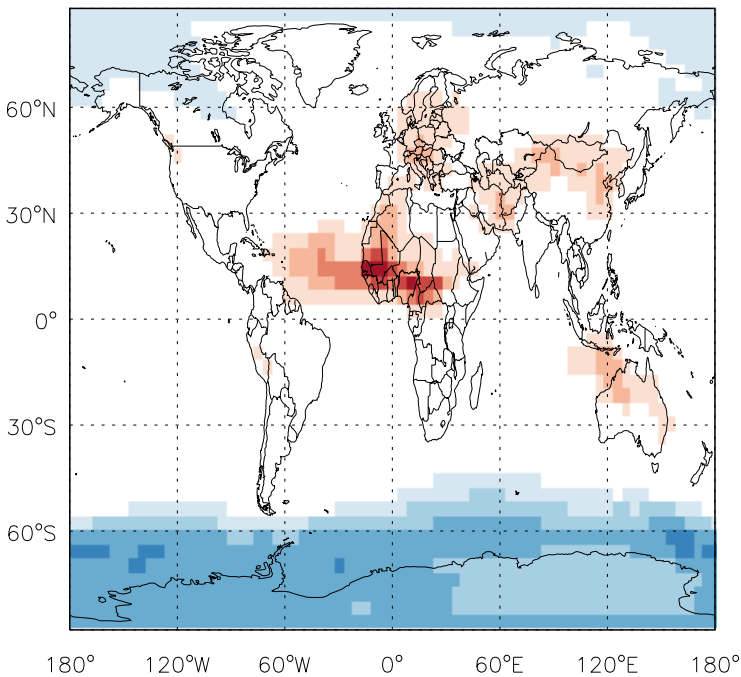
v11-01d-Run0 / v11-01b-Run0  
H2O2 / Ratio @ Surface for Oct



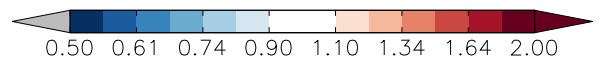
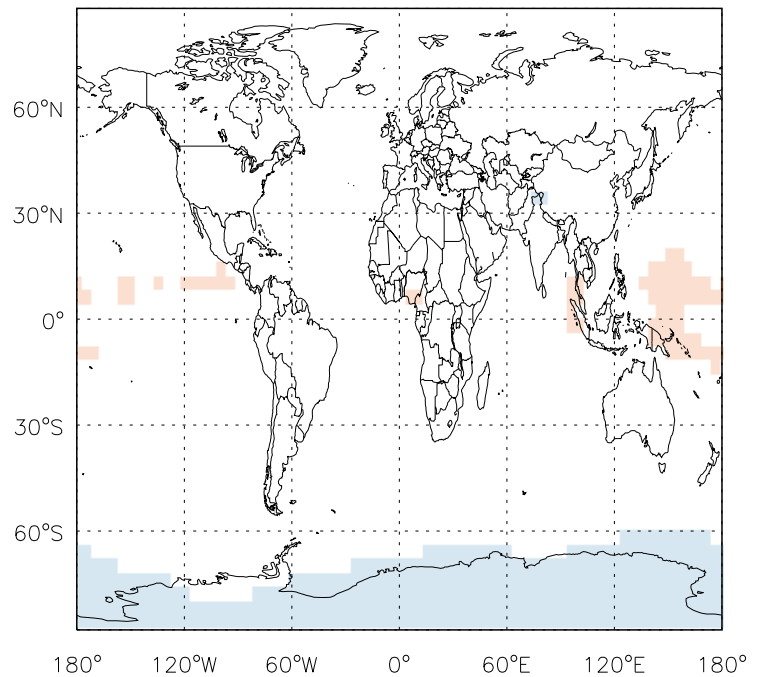
v11-01d-Run0 / v11-01b-Run0  
H2O2 / Ratio @ 500 hPa for Oct



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



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

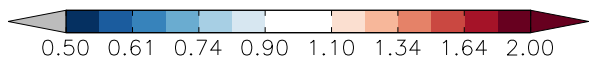
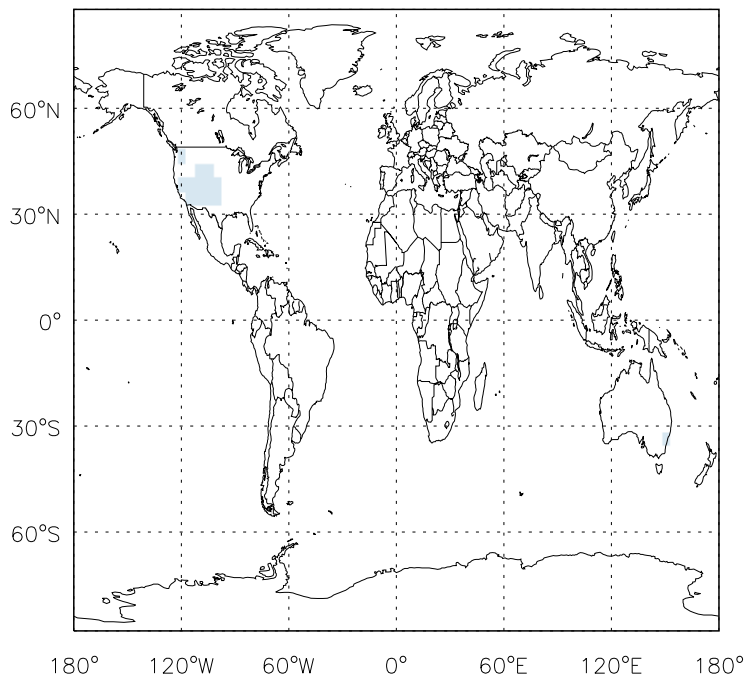




# GEOS-Chem Ratio Maps at surface and 500 hPa

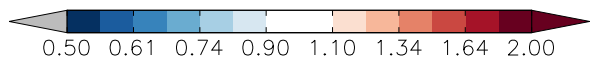
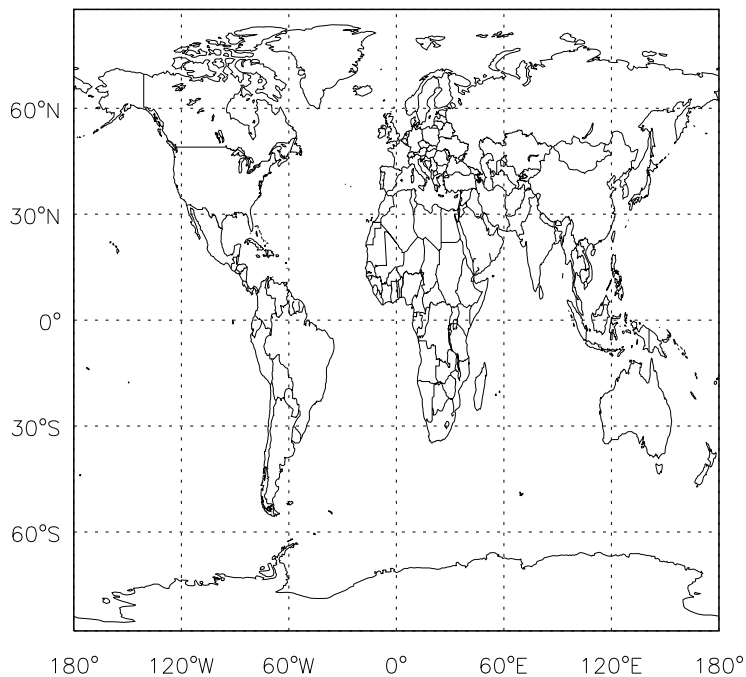
v11-01d-Run0 / v11-01b-Run0

ACET / Ratio @ Surface for Oct



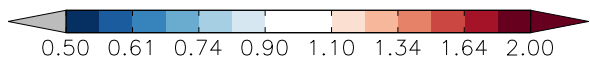
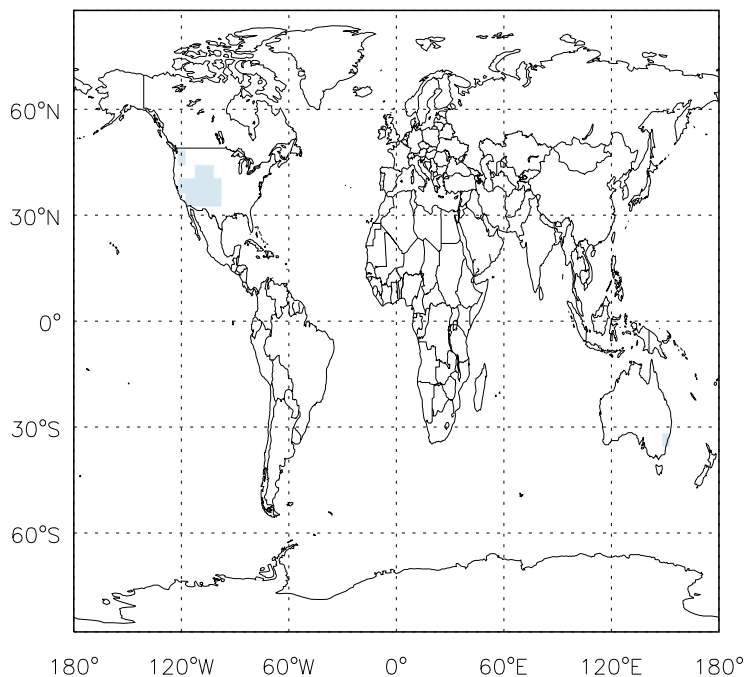
v11-01d-Run0 / v11-01b-Run0

ACET/ Ratio @ 500 hPa for Oct



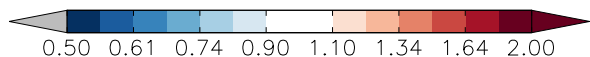
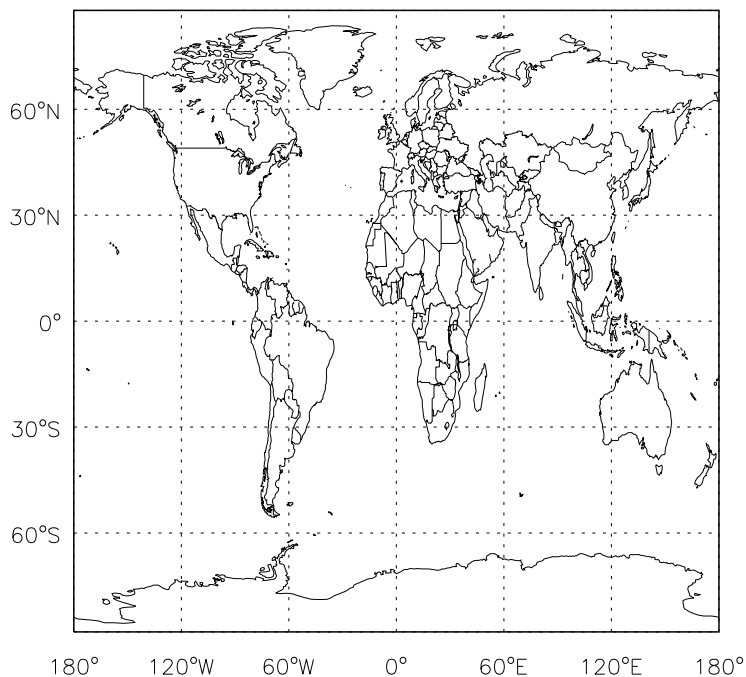
v11-01d-Run0 / v10-01-public-Run0

ACET / Ratio @ Surface for Oct



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

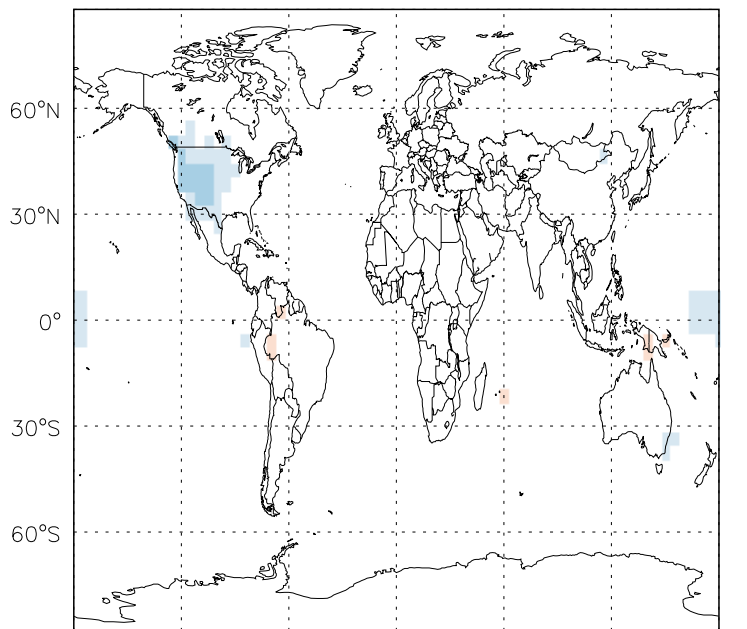
ACET/ Ratio @ 500 hPa for Oct



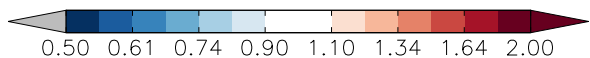
# GEOS-Chem Ratio Maps at surface and 500 hPa

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

MEK / Ratio @ Surface for Oct

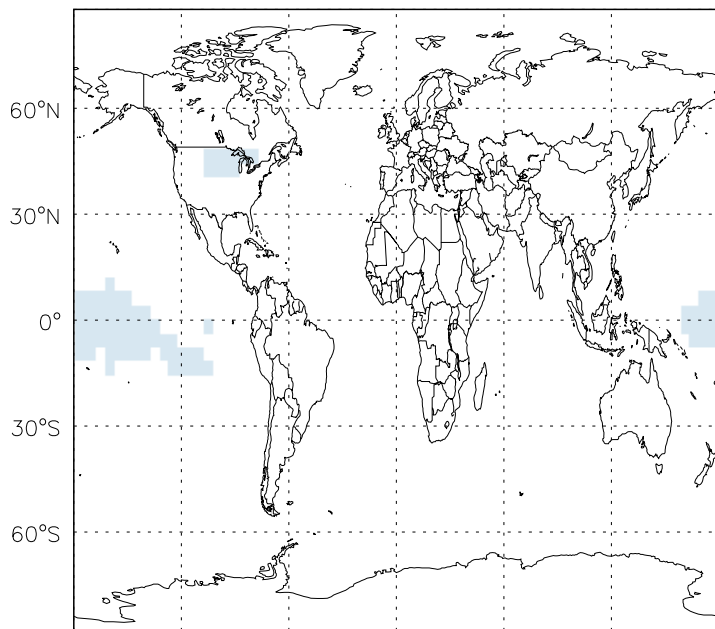


180° 120°W 60°W 0° 60°E 120°E 180°

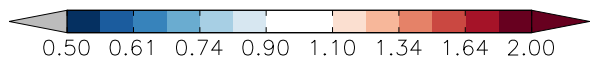


v11-01d-Run0 / v11-01b-Run0

MEK/ Ratio @ 500 hPa for Oct

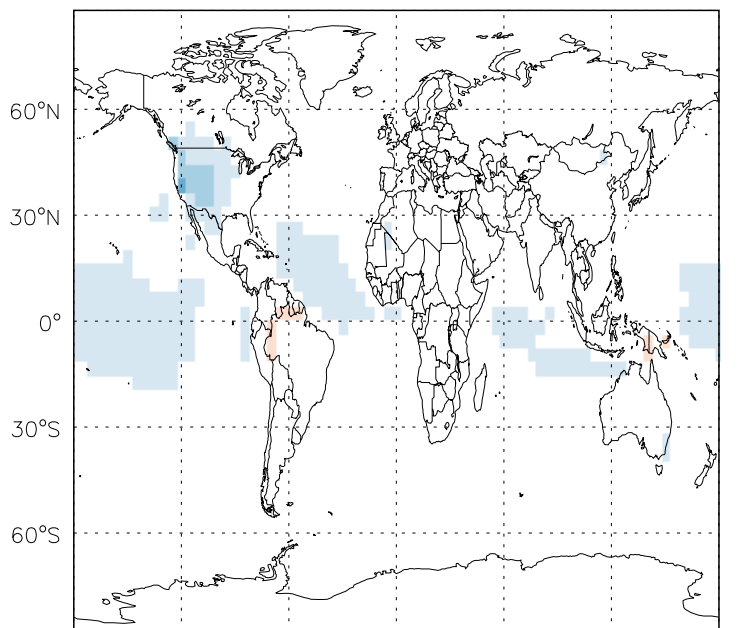


180° 120°W 60°W 0° 60°E 120°E 180°

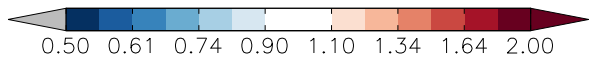


v11-01d-Run0 / v10-01-public-Run0

MEK / Ratio @ Surface for Oct

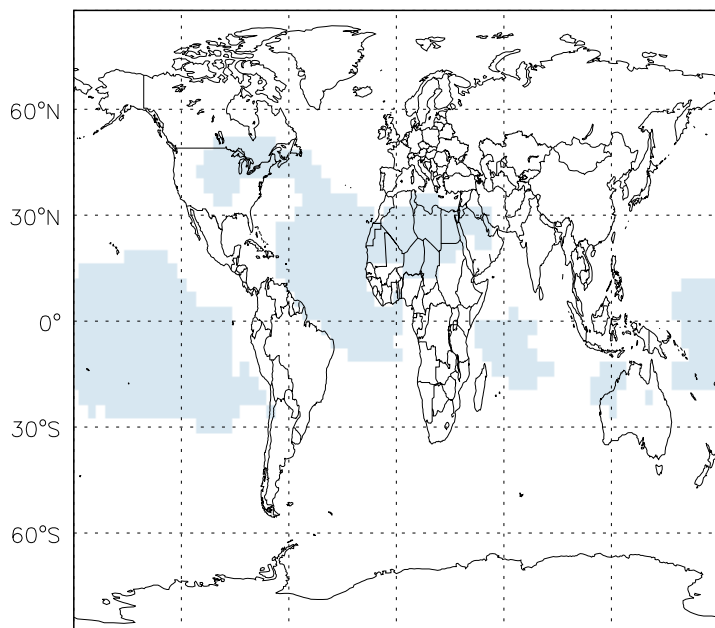


180° 120°W 60°W 0° 60°E 120°E 180°

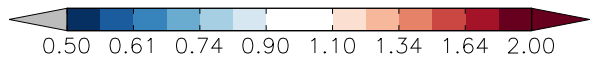


v11-01d-Run0 / v10-01-public-Run0

MEK/ Ratio @ 500 hPa for Oct



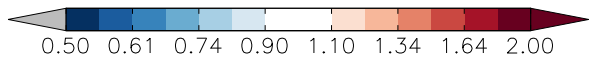
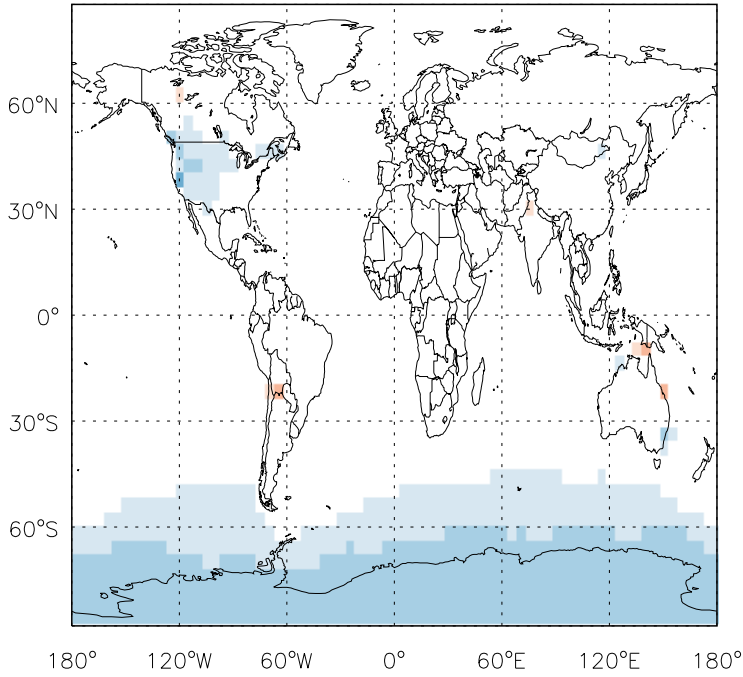
180° 120°W 60°W 0° 60°E 120°E 180°



# GEOS-Chem Ratio Maps at surface and 500 hPa

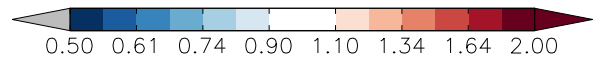
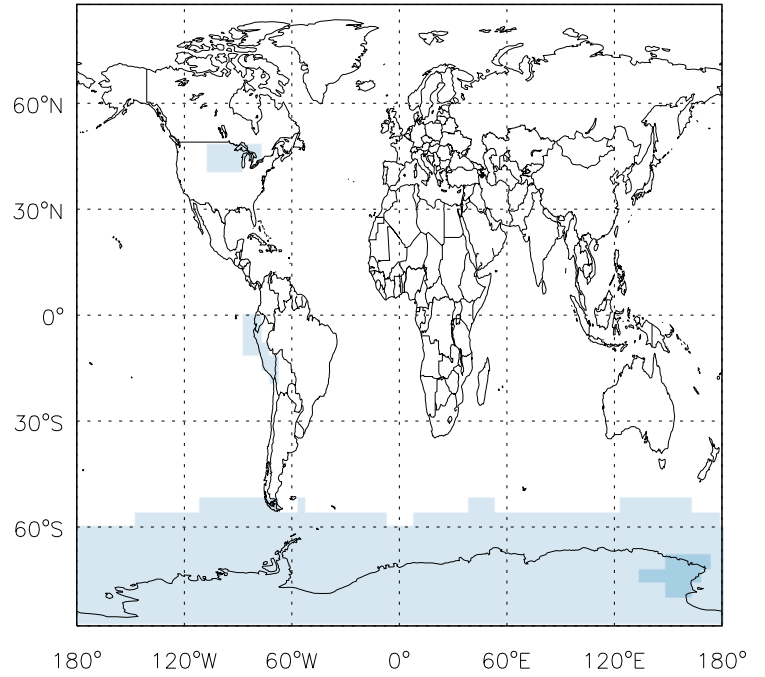
v11-01d-Run0 / v11-01b-Run0

ALD2 / Ratio @ Surface for Oct



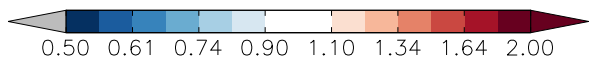
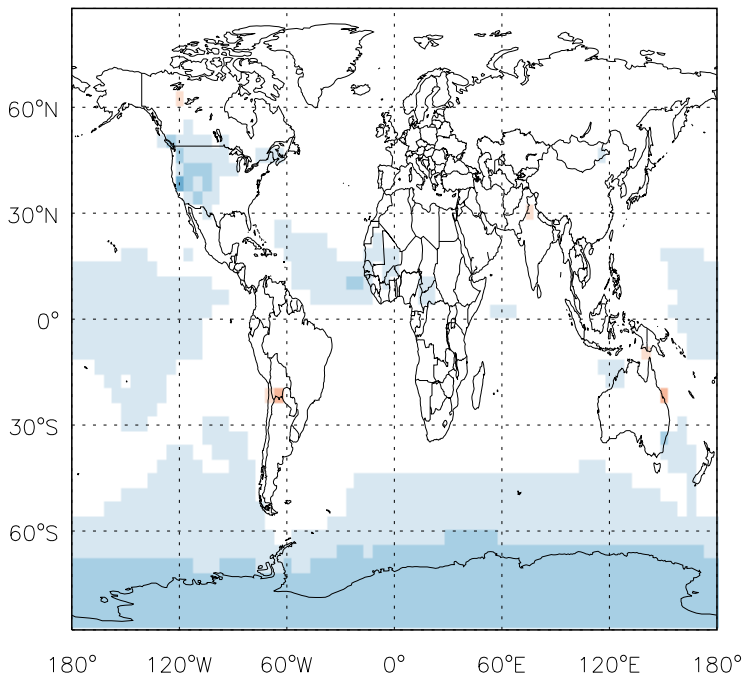
v11-01d-Run0 / v11-01b-Run0

ALD2 / Ratio @ 500 hPa for Oct



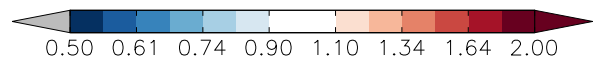
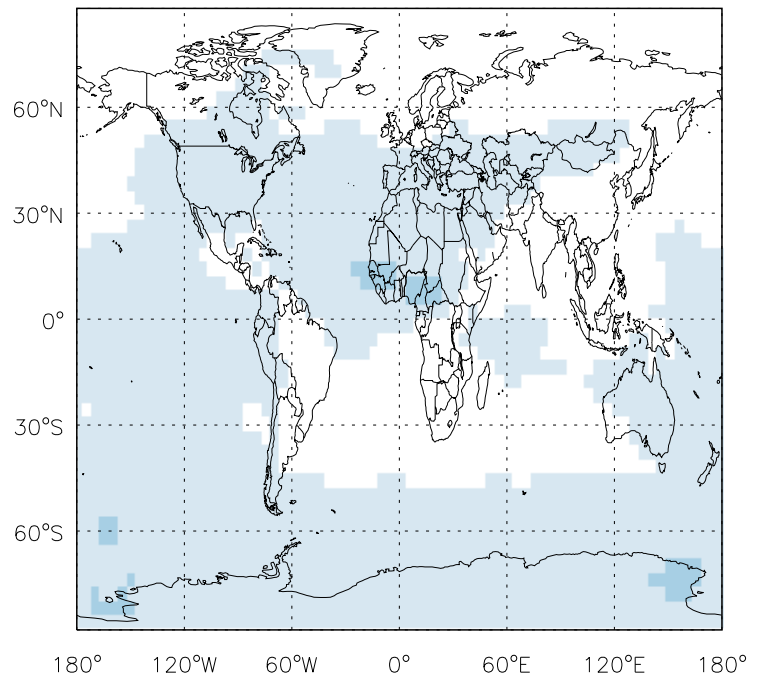
v11-01d-Run0 / v10-01-public-Run0

ALD2 / Ratio @ Surface for Oct



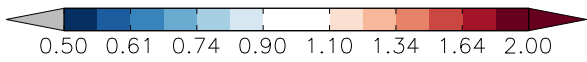
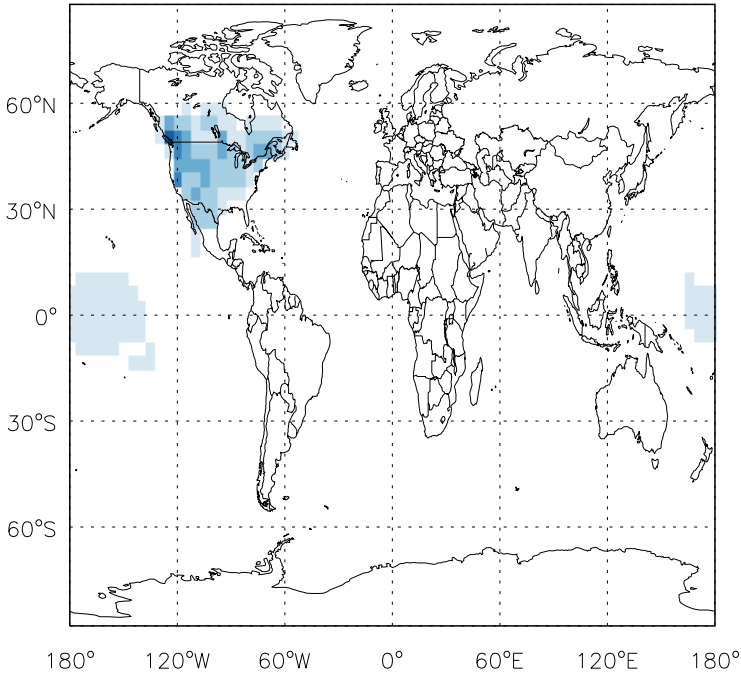
v11-01d-Run0 / v10-01-public-Run0

ALD2 / Ratio @ 500 hPa for Oct

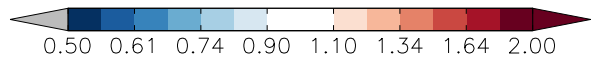
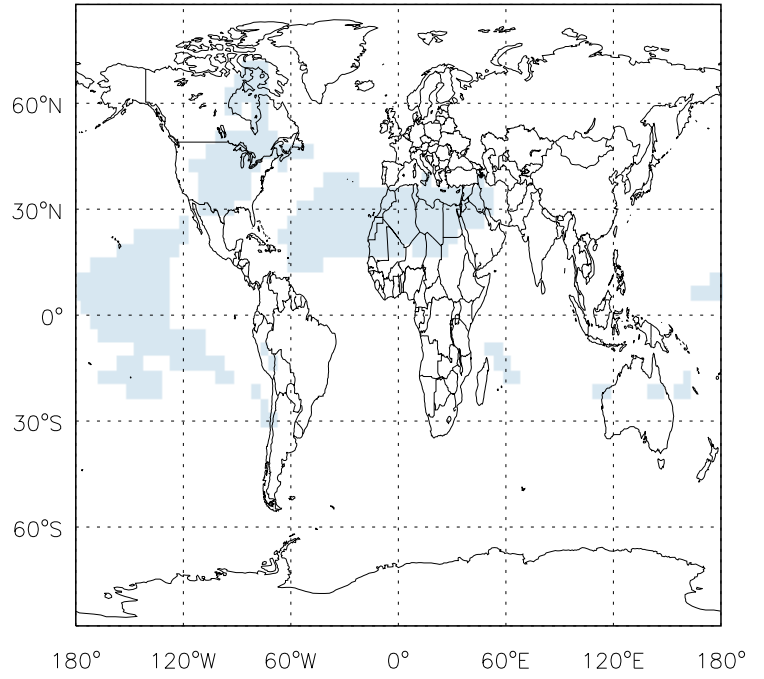


# GEOS-Chem Ratio Maps at surface and 500 hPa

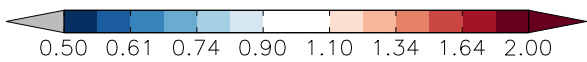
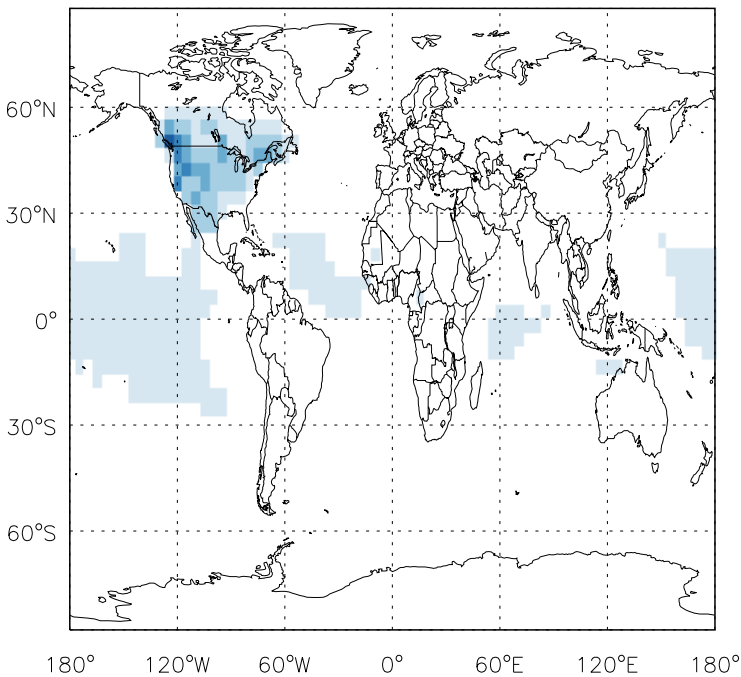
v11-01d-Run0 / v11-01b-Run0  
RCHO / Ratio @ Surface for Oct



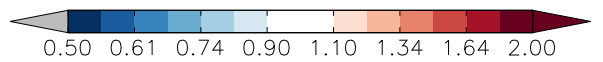
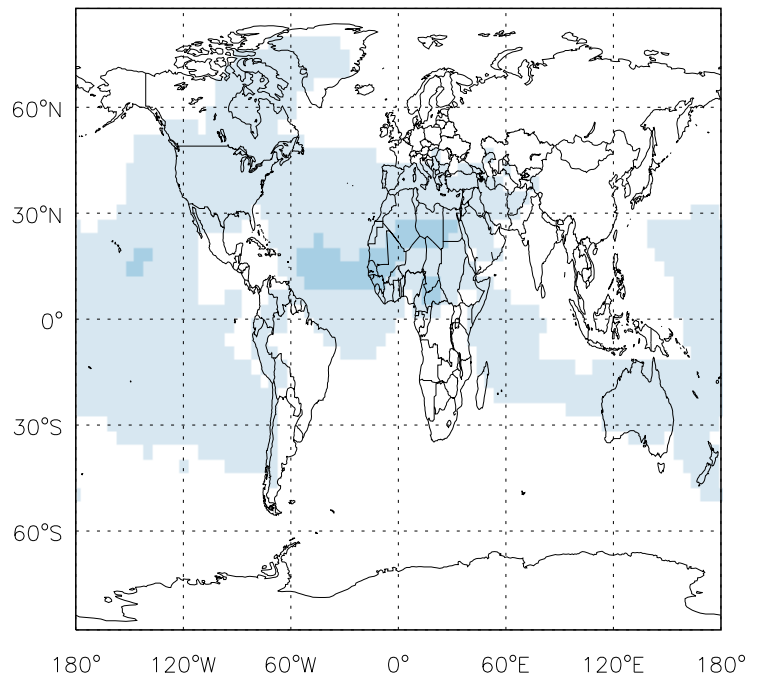
v11-01d-Run0 / v11-01b-Run0  
RCHO/ Ratio @ 500 hPa for Oct



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



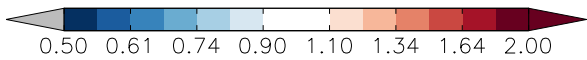
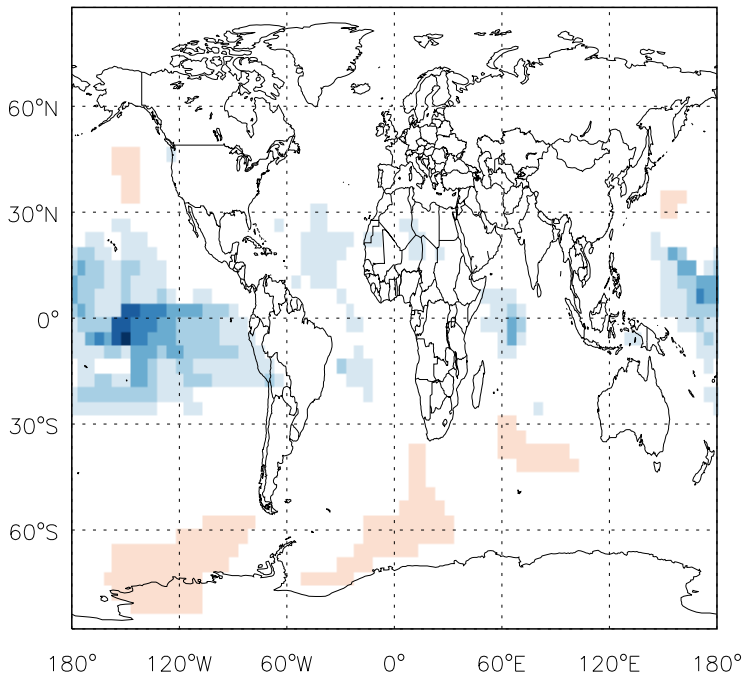
v11-01d-Run0 / v10-01-public-Run0  
RCHO/ Ratio @ 500 hPa for Oct



# GEOS-Chem Ratio Maps at surface and 500 hPa

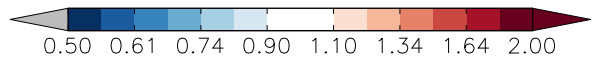
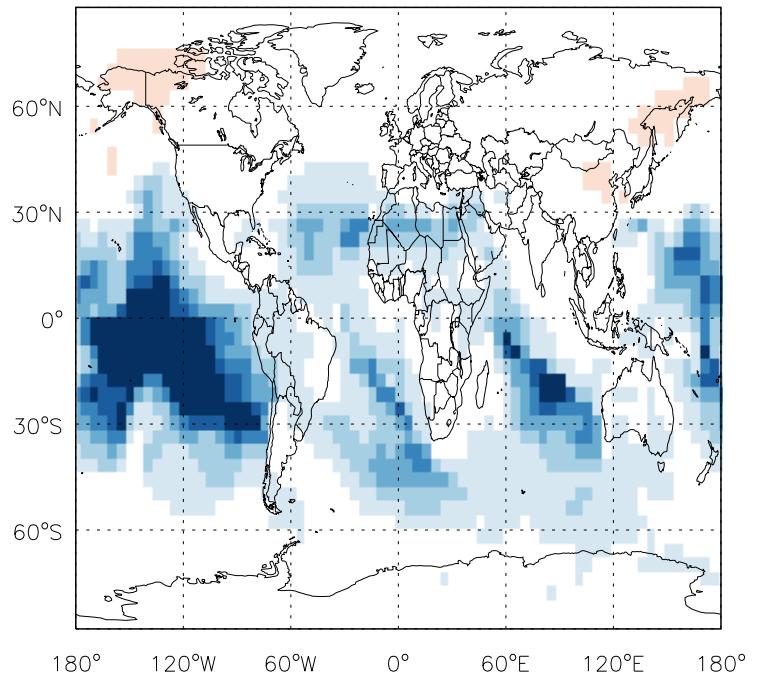
v11-01d-Run0 / v11-01b-Run0

MVK / Ratio @ Surface for Oct



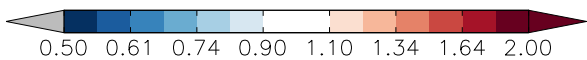
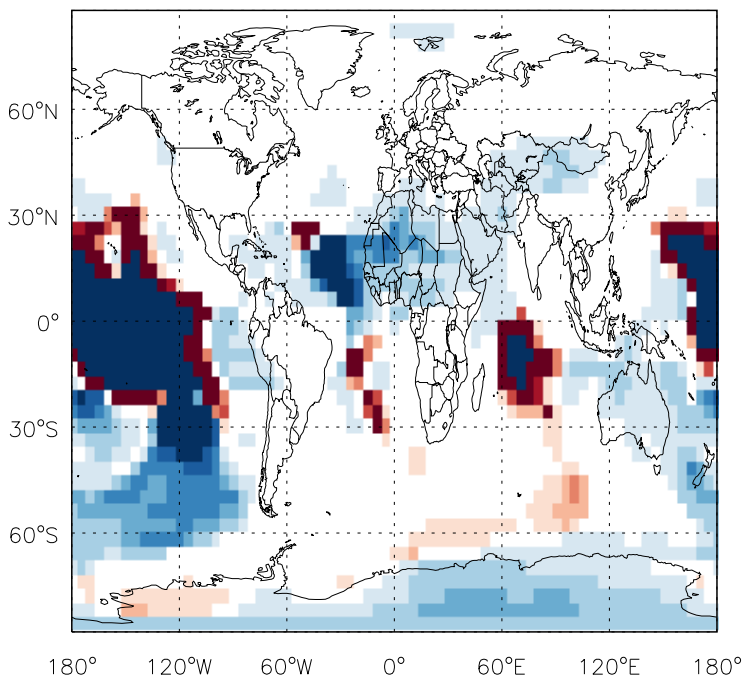
v11-01d-Run0 / v11-01b-Run0

MVK/ Ratio @ 500 hPa for Oct



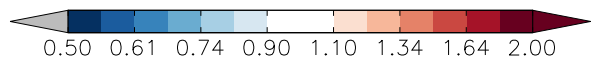
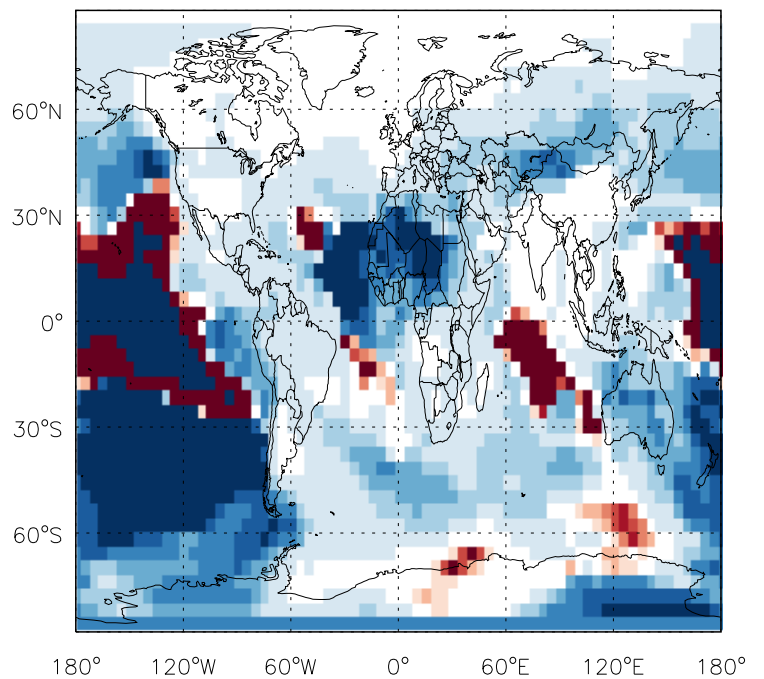
v11-01d-Run0 / v10-01-public-Run0

MVK / Ratio @ Surface for Oct



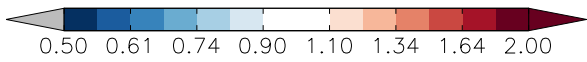
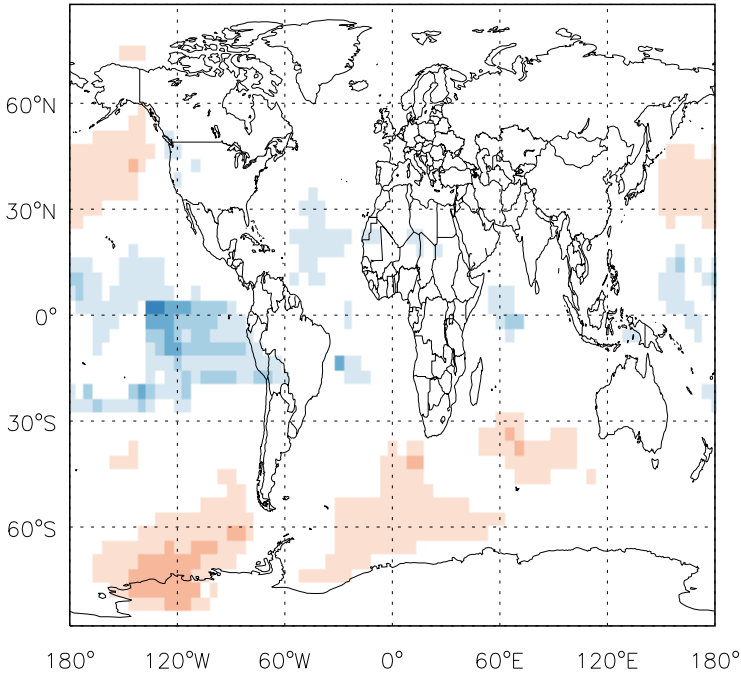
v11-01d-Run0 / v10-01-public-Run0

MVK/ Ratio @ 500 hPa for Oct

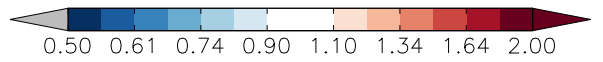
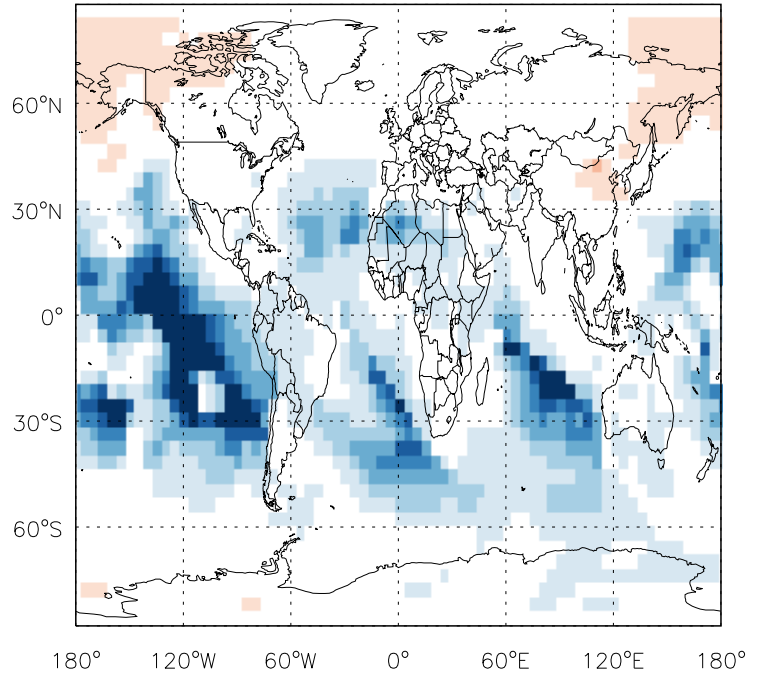


GEOS-Chem Ratio Maps at surface and 500 hPa

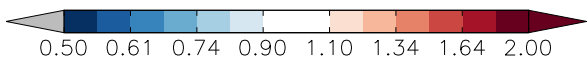
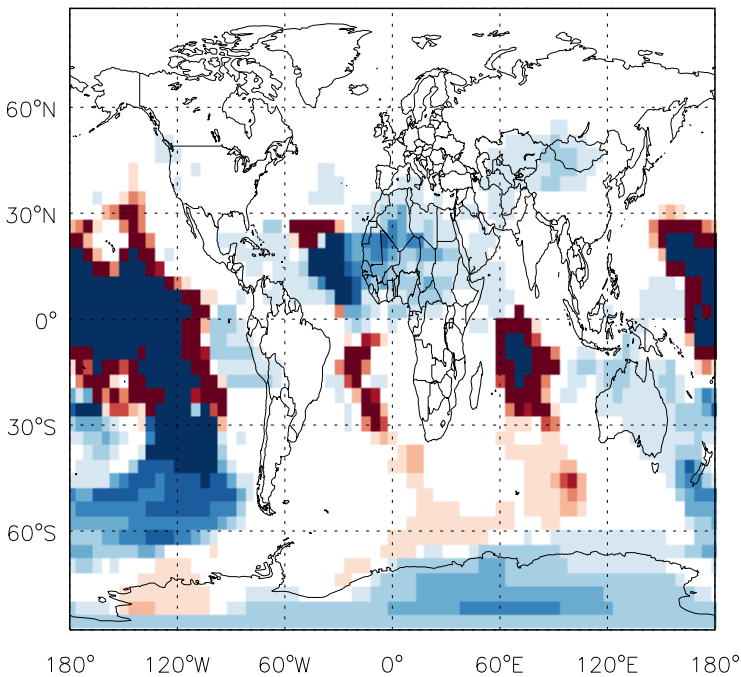
v11-01d-Run0 / v11-01b-Run0  
MACR / Ratio @ Surface for Oct



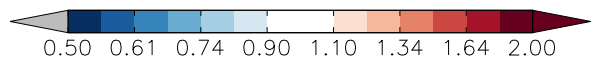
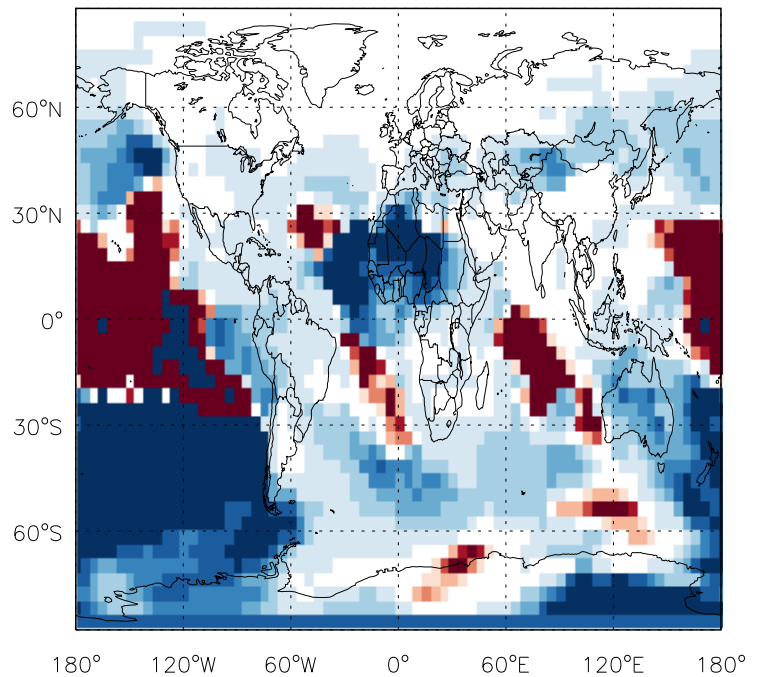
v11-01d-Run0 / v11-01b-Run0  
MACR/ Ratio @ 500 hPa for Oct



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



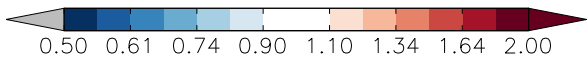
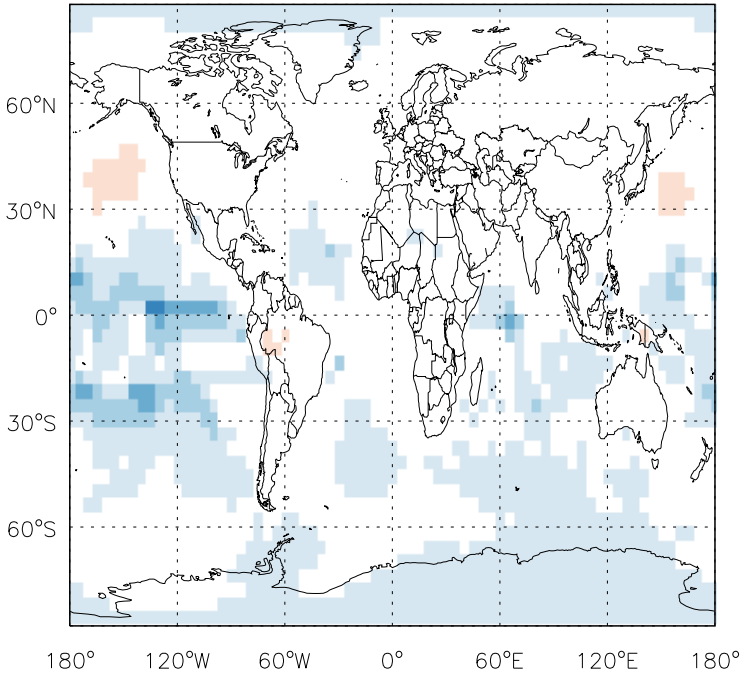
v11-01d-Run0 / v10-01-public-Run0  
MACR/ Ratio @ 500 hPa for Oct



# GEOS-Chem Ratio Maps at surface and 500 hPa

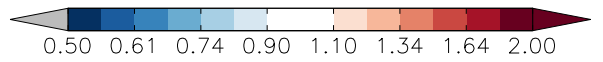
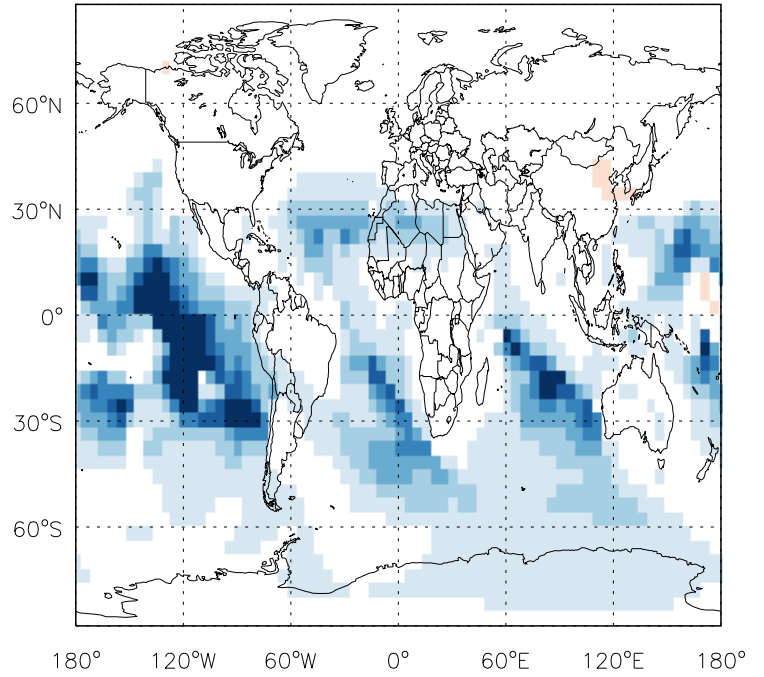
v11-01d-Run0 / v11-01b-Run0

PMN / Ratio @ Surface for Oct



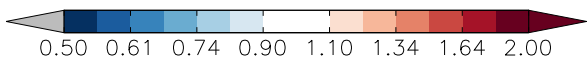
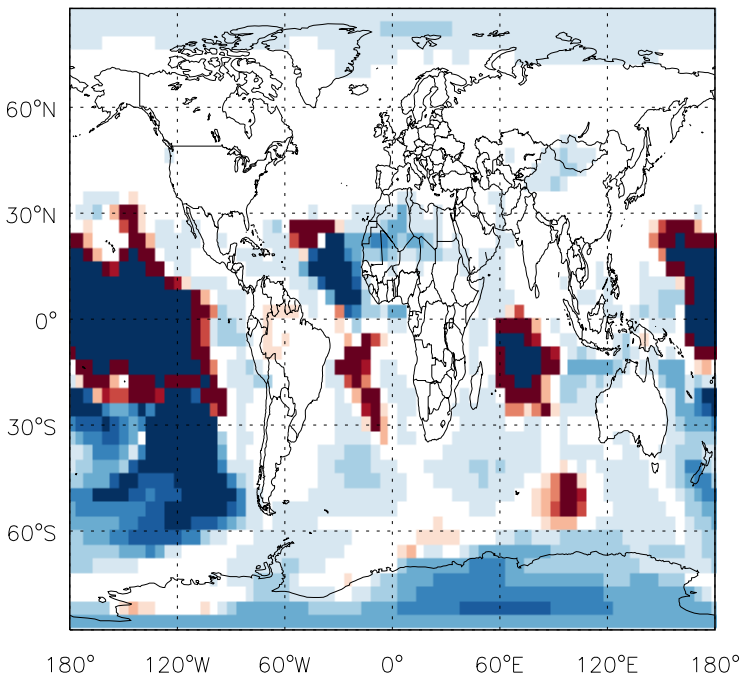
v11-01d-Run0 / v11-01b-Run0

PMN/ Ratio @ 500 hPa for Oct



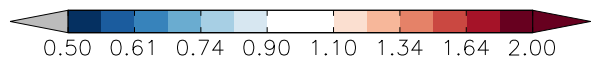
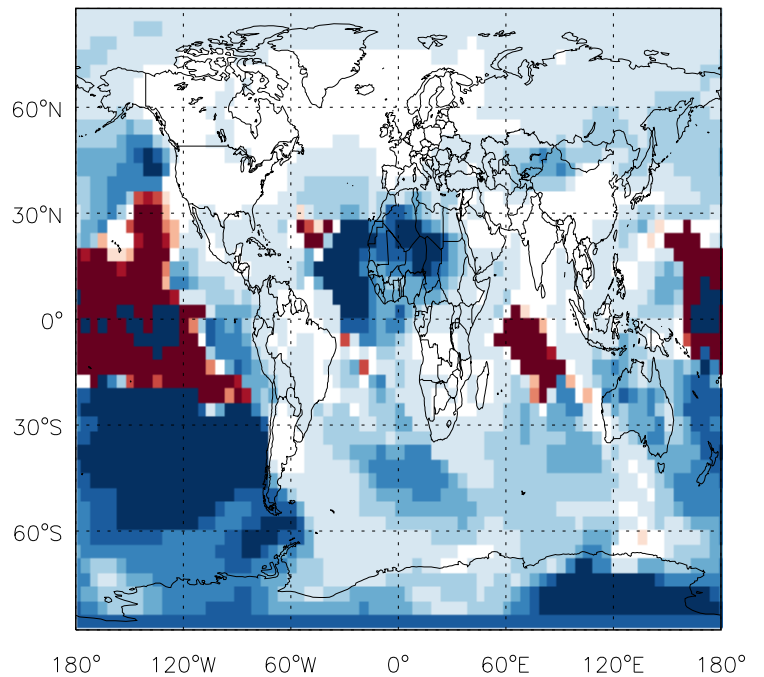
v11-01d-Run0 / v10-01-public-Run0

PMN / Ratio @ Surface for Oct



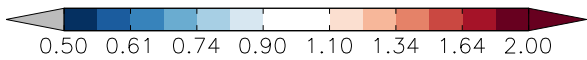
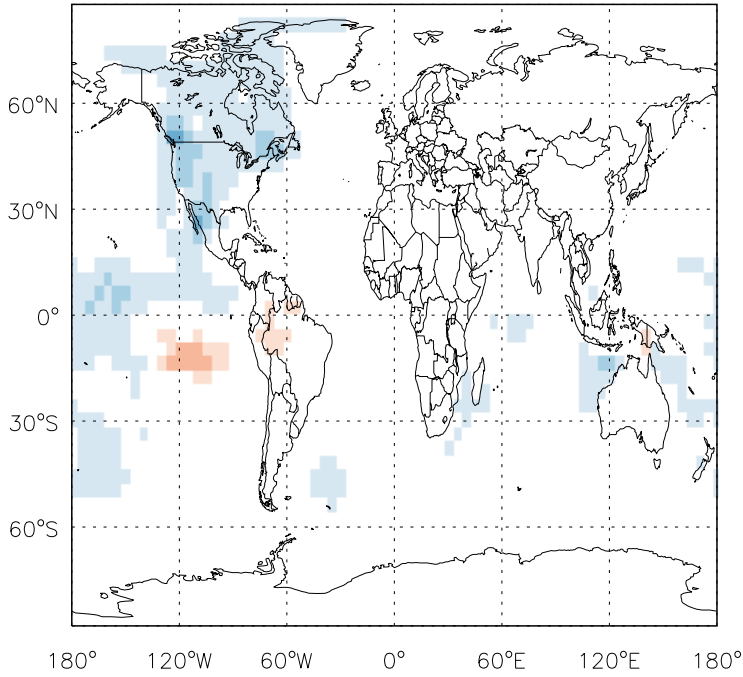
v11-01d-Run0 / v10-01-public-Run0

PMN/ Ratio @ 500 hPa for Oct

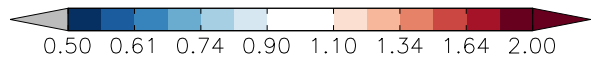
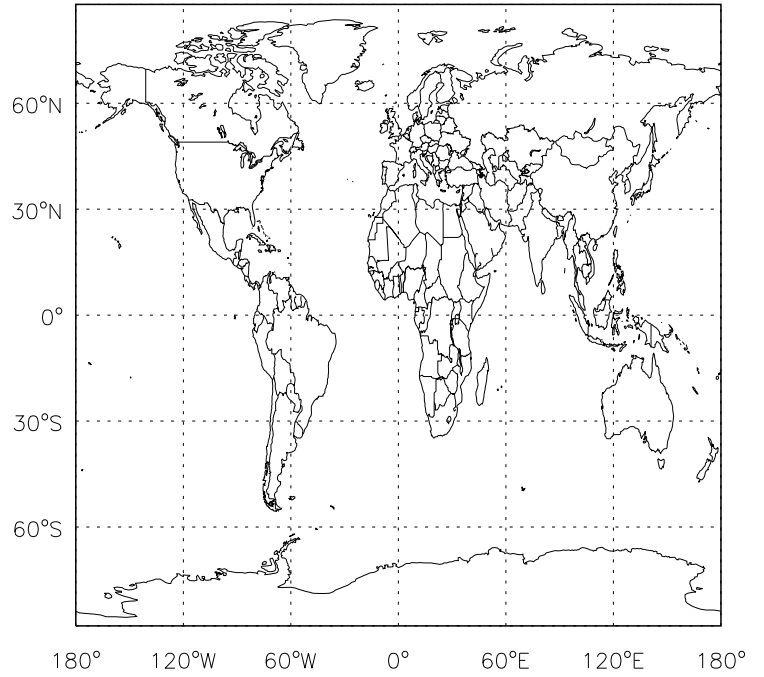


# GEOS-Chem Ratio Maps at surface and 500 hPa

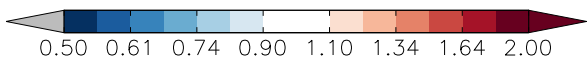
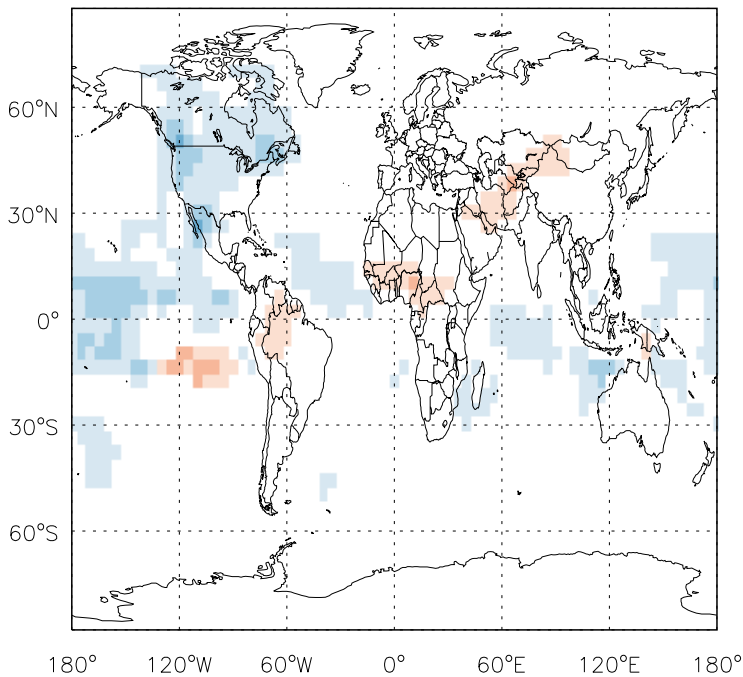
v11-01d-Run0 / v11-01b-Run0  
PPN / Ratio @ Surface for Oct



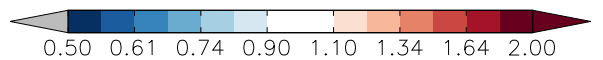
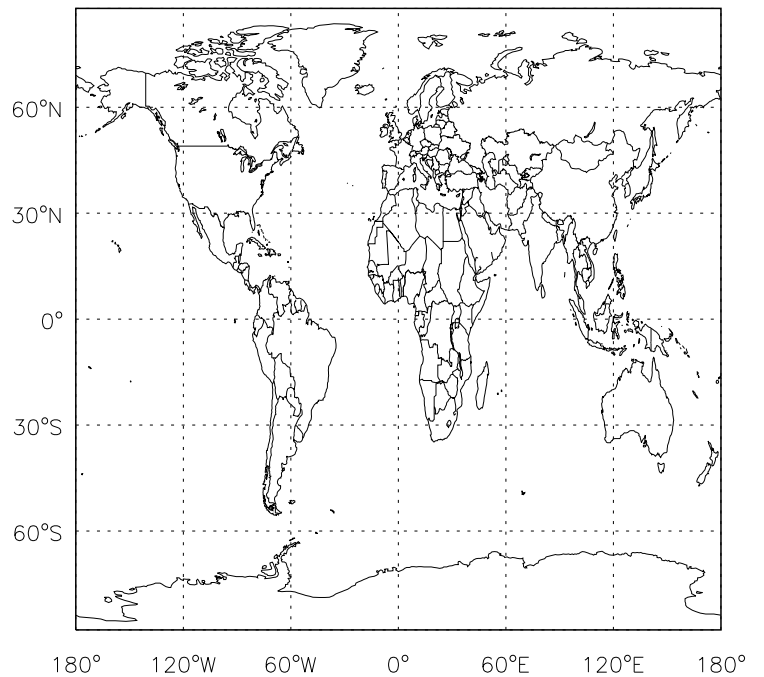
v11-01d-Run0 / v11-01b-Run0  
PPN/ Ratio @ 500 hPa for Oct



v11-01d-Run0 / v10-01-public-Run0  
PPN / Ratio @ Surface for Oct



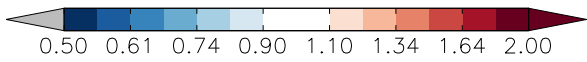
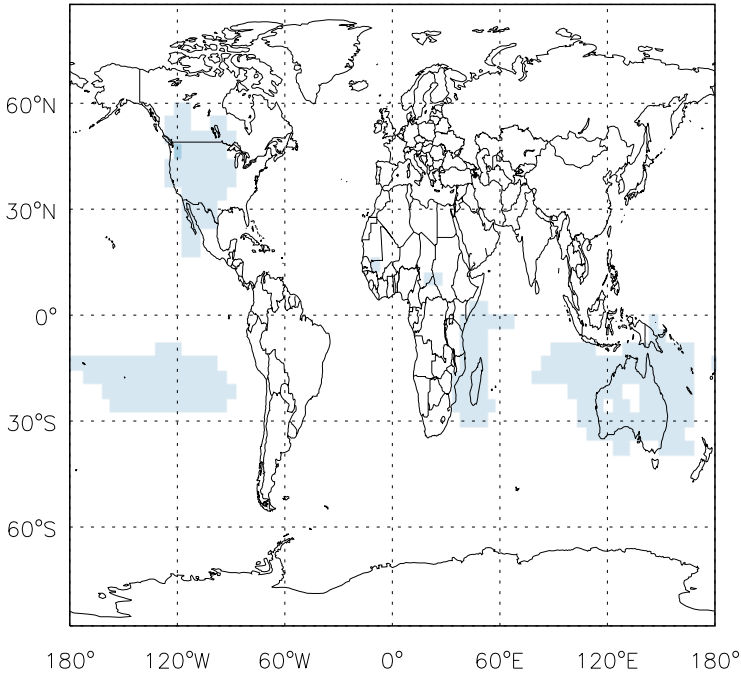
v11-01d-Run0 / v10-01-public-Run0  
PPN/ Ratio @ 500 hPa for Oct



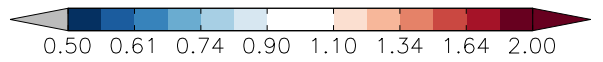
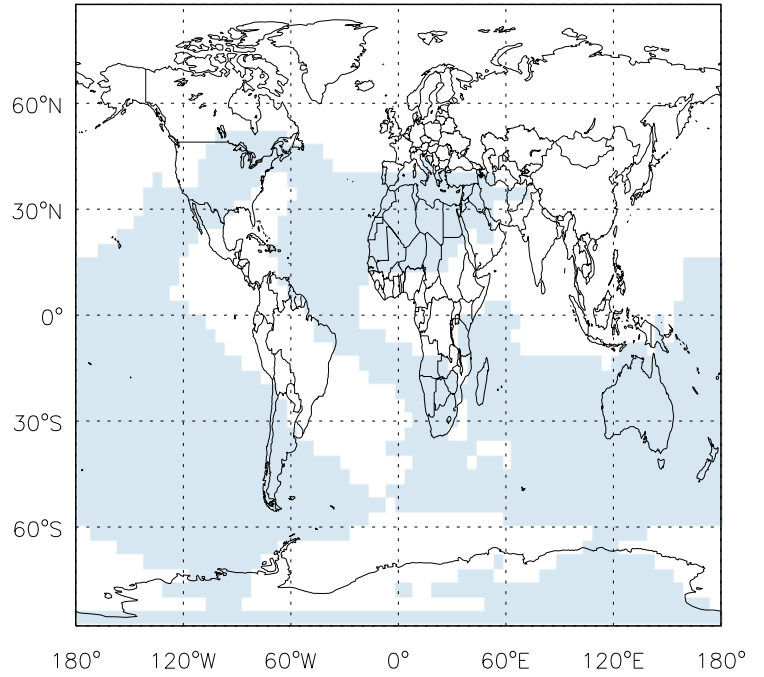


# GEOS-Chem Ratio Maps at surface and 500 hPa

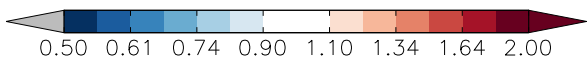
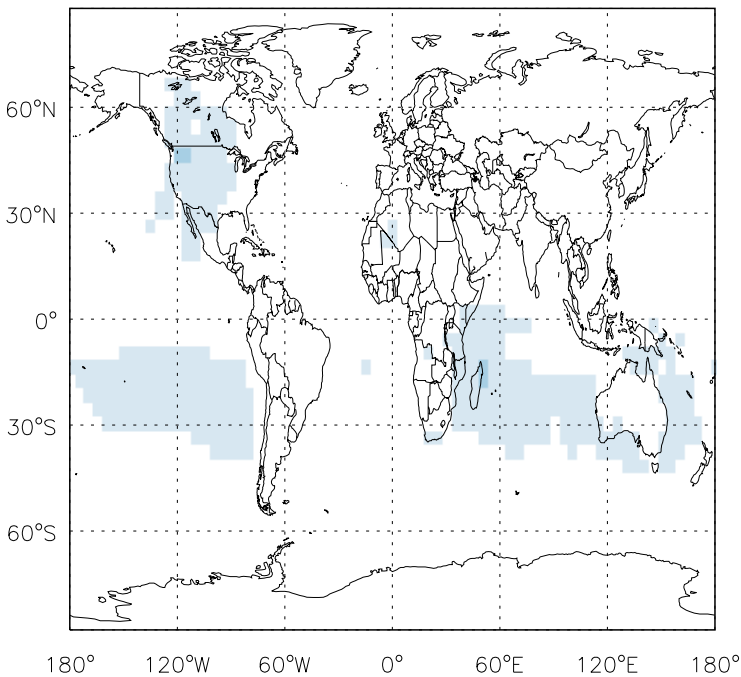
v11-01d-Run0 / v11-01b-Run0  
R4N2 / Ratio @ Surface for Oct



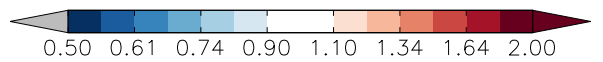
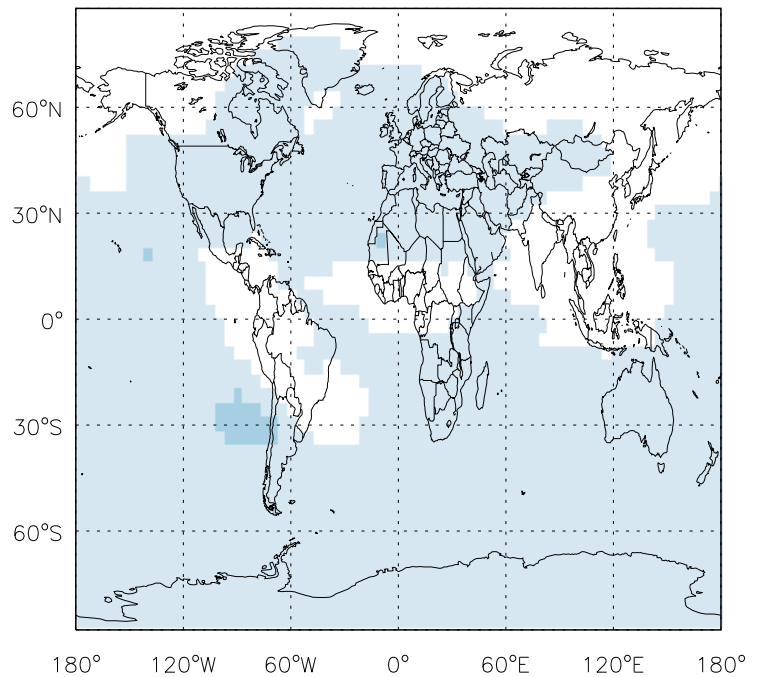
v11-01d-Run0 / v11-01b-Run0  
R4N2 / Ratio @ 500 hPa for Oct



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



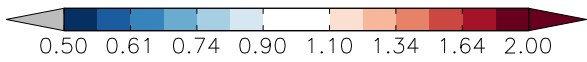
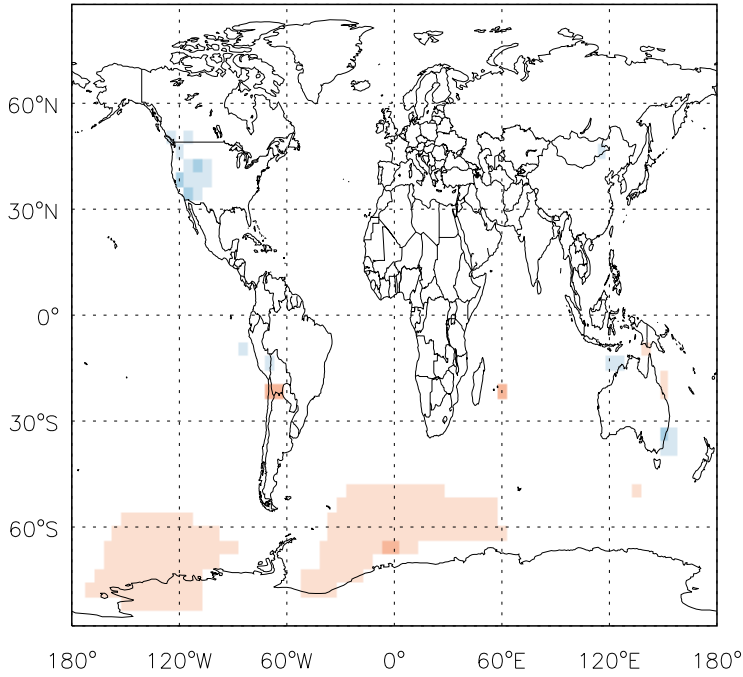
v11-01d-Run0 / v10-01-public-Run0  
R4N2 / Ratio @ 500 hPa for Oct



# GEOS-Chem Ratio Maps at surface and 500 hPa

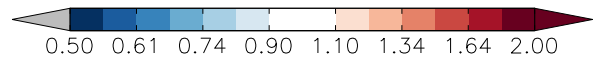
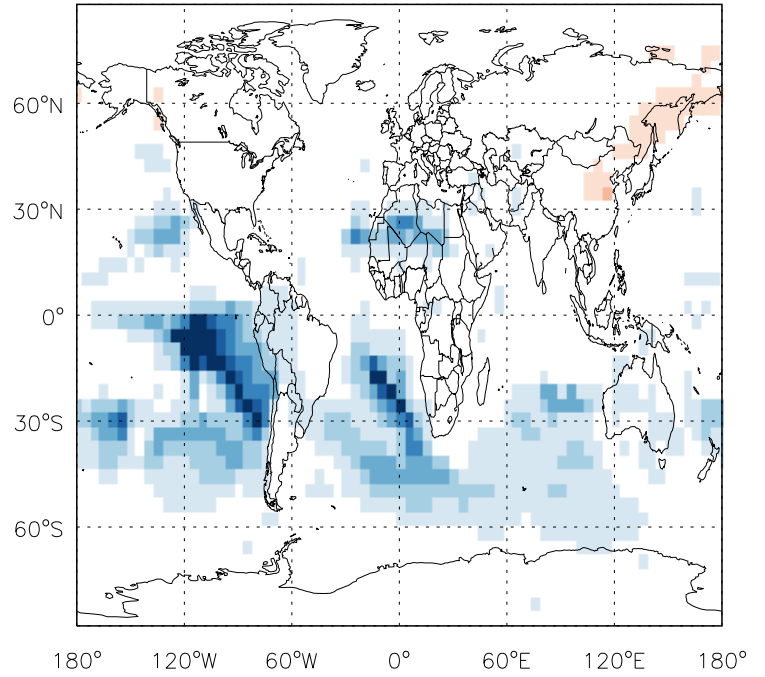
v11-01d-Run0 / v11-01b-Run0

PRPE / Ratio @ Surface for Oct



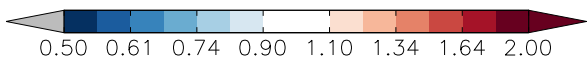
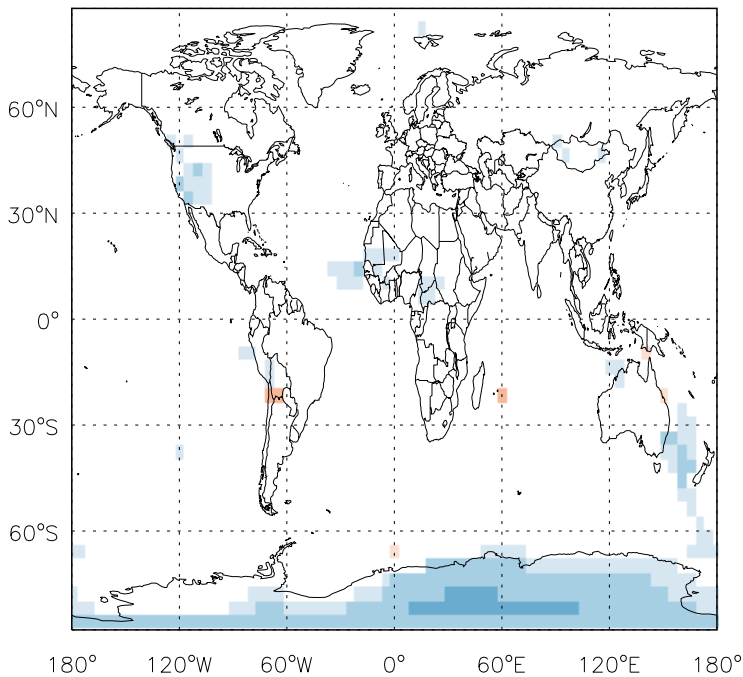
v11-01d-Run0 / v11-01b-Run0

PRPE / Ratio @ 500 hPa for Oct



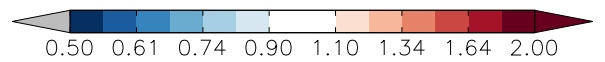
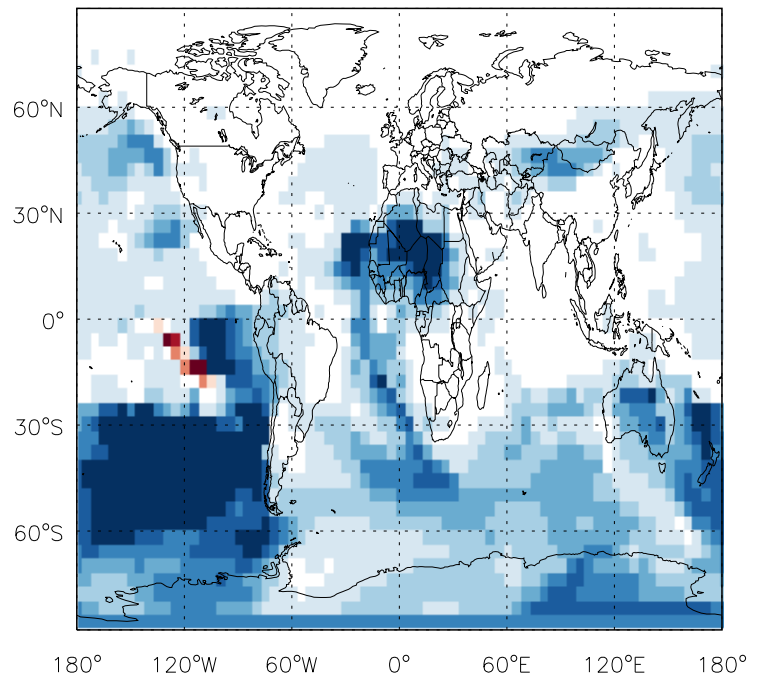
v11-01d-Run0 / v10-01-public-Run0

PRPE / Ratio @ Surface for Oct



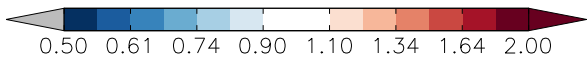
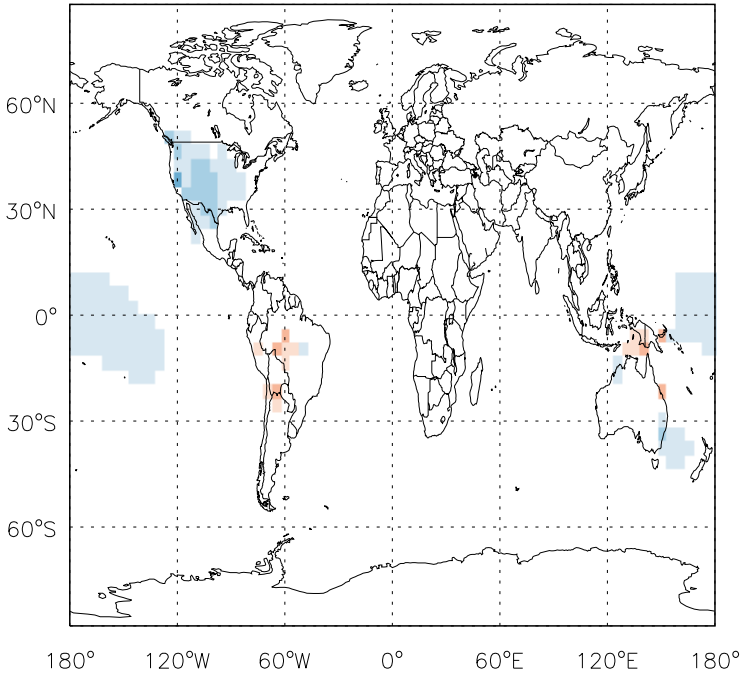
v11-01d-Run0 / v10-01-public-Run0

PRPE / Ratio @ 500 hPa for Oct

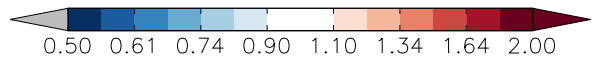
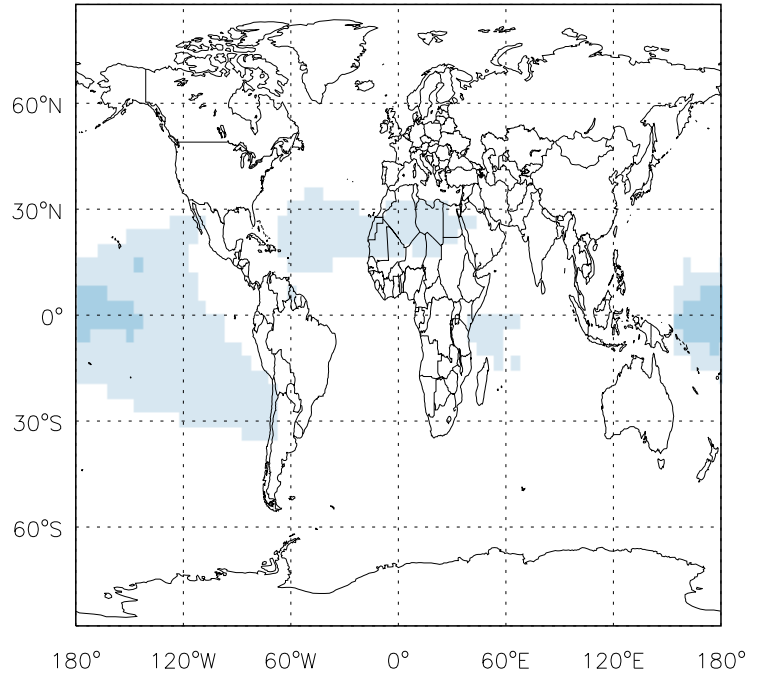


GEOS-Chem Ratio Maps at surface and 500 hPa

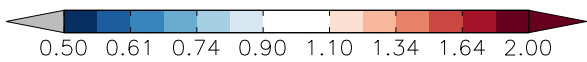
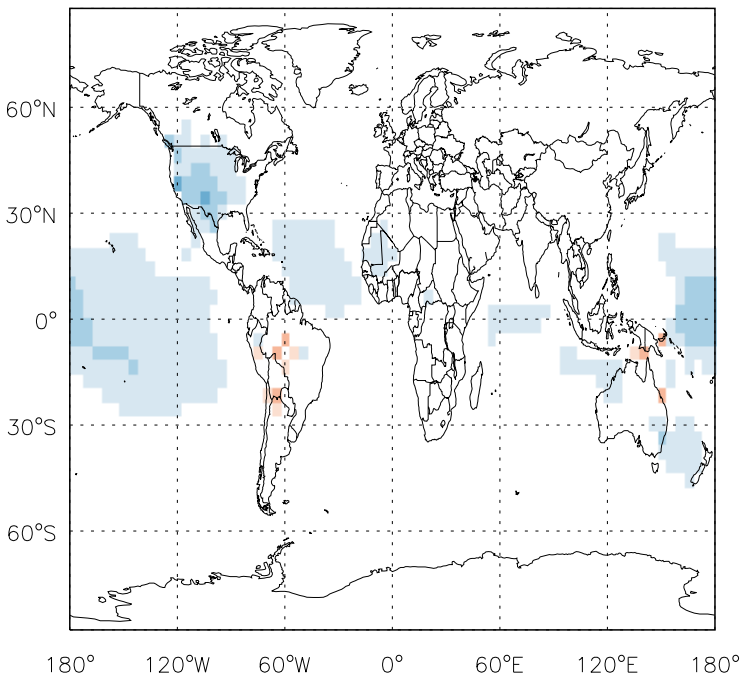
v11-01d-Run0 / v11-01b-Run0  
C3H8 / Ratio @ Surface for Oct



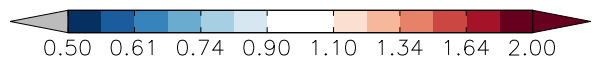
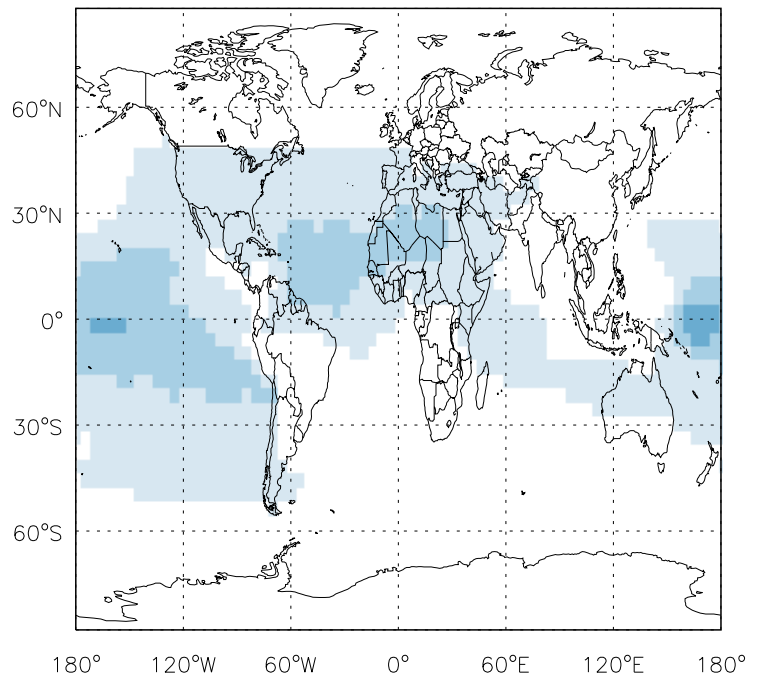
v11-01d-Run0 / v11-01b-Run0  
C3H8/ Ratio @ 500 hPa for Oct



v11-01d-Run0 / v10-01-public-Run0  
C3H8 / Ratio @ Surface for Oct



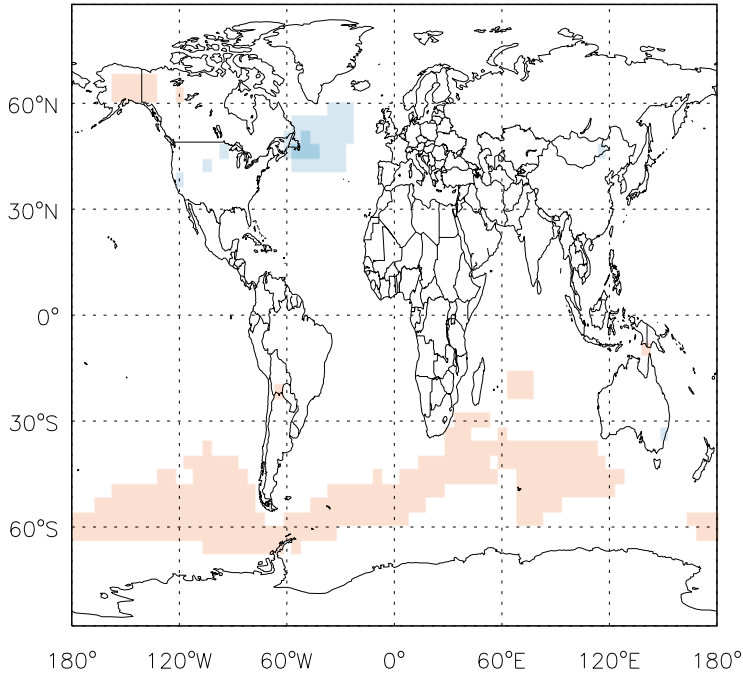
v11-01d-Run0 / v10-01-public-Run0  
C3H8/ Ratio @ 500 hPa for Oct



GEOS-Chem Ratio Maps at surface and 500 hPa

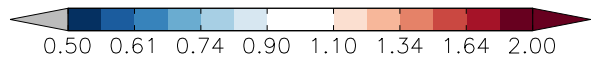
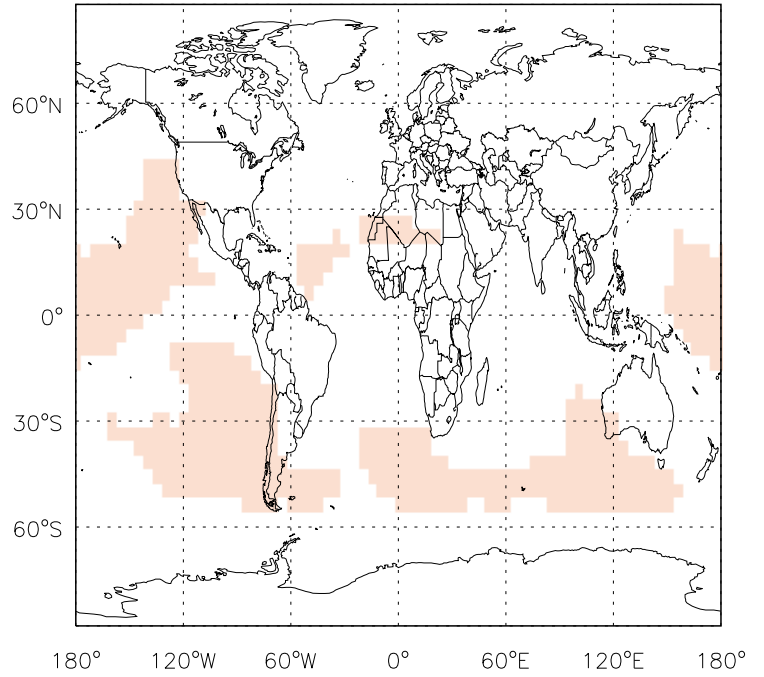
v11-01d-Run0 / v11-01b-Run0

CH2O / Ratio @ Surface for Oct



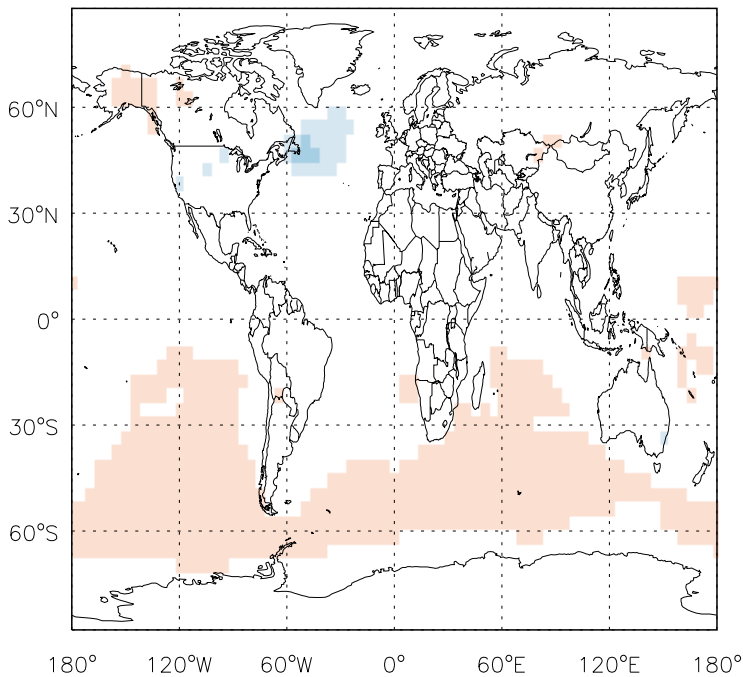
v11-01d-Run0 / v11-01b-Run0

CH2O / Ratio @ 500 hPa for Oct



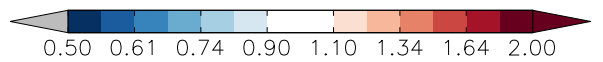
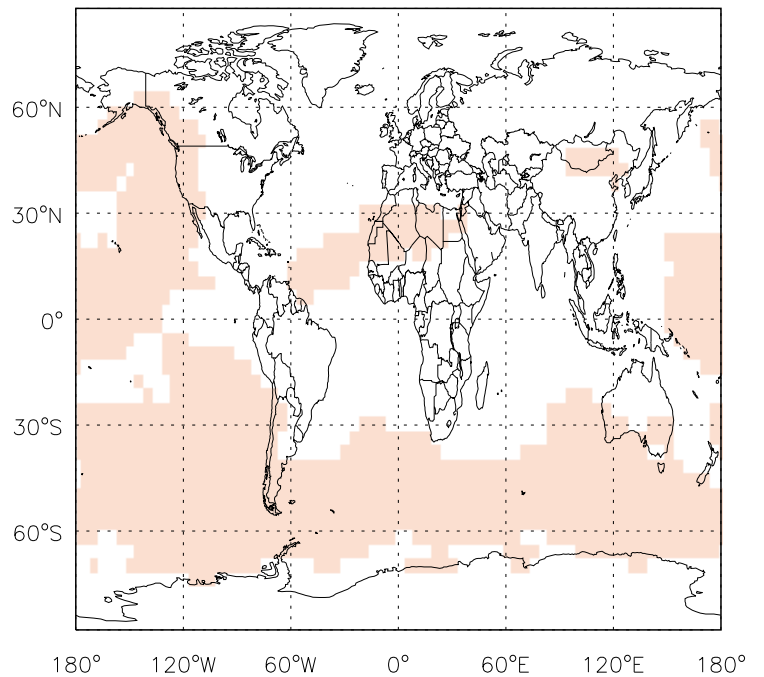
v11-01d-Run0 / v10-01-public-Run0

CH2O / Ratio @ Surface for Oct



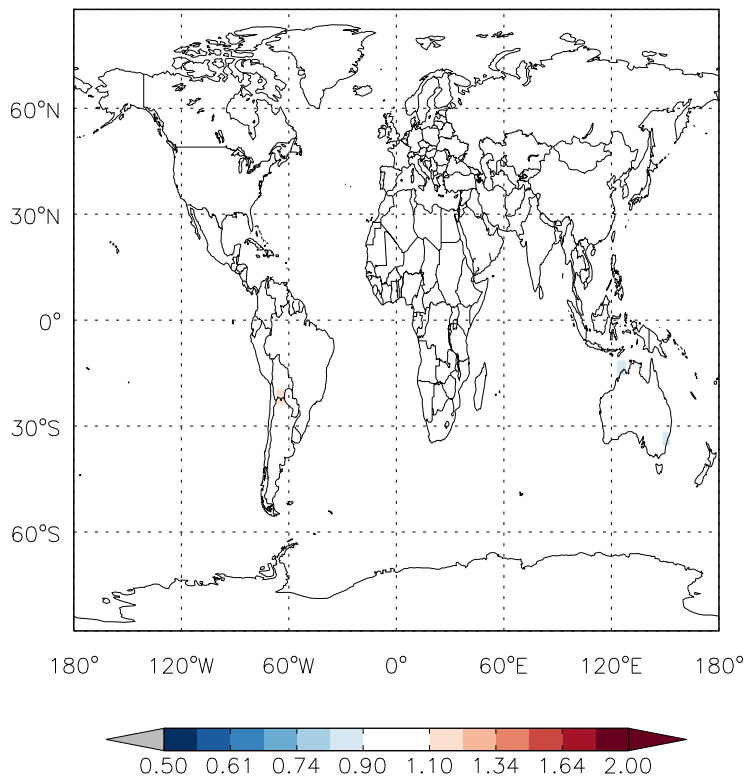
v11-01d-Run0 / v10-01-public-Run0

CH2O / Ratio @ 500 hPa for Oct

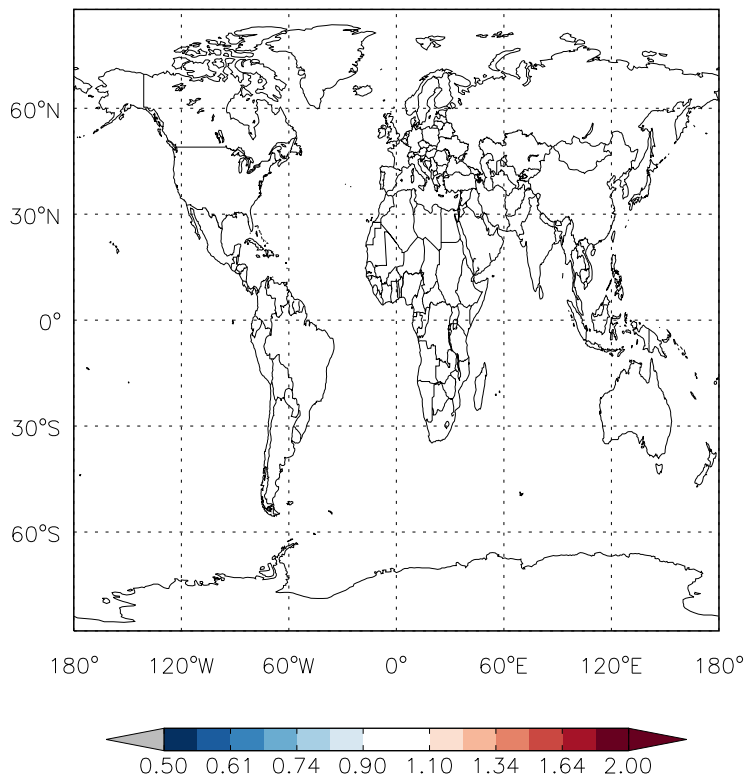


# GEOS-Chem Ratio Maps at surface and 500 hPa

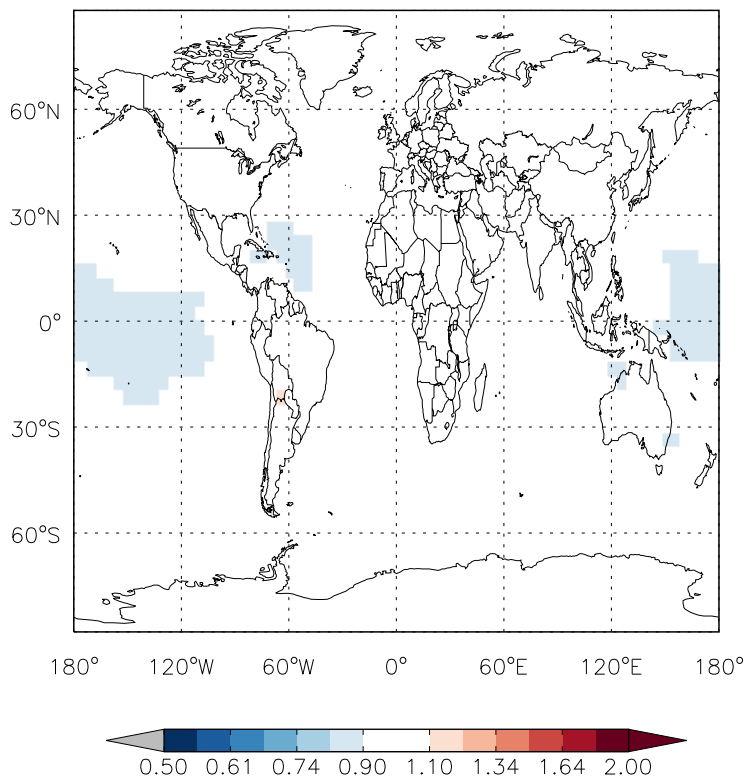
v11-01d-Run0 / v11-01b-Run0  
C2H6 / Ratio @ Surface for Oct



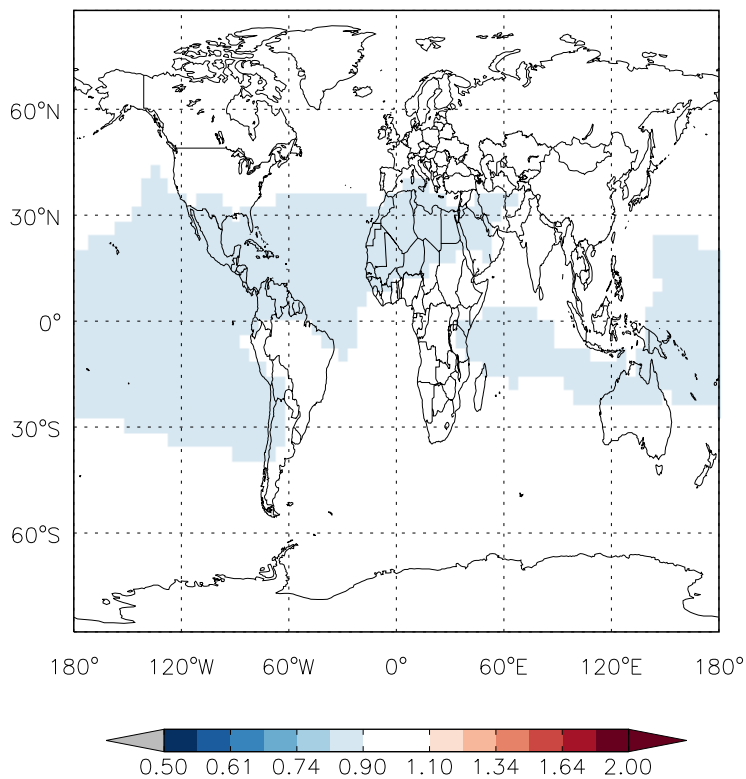
v11-01d-Run0 / v11-01b-Run0  
C2H6/ Ratio @ 500 hPa for Oct



v11-01d-Run0 / v10-01-public-Run0  
C2H6 / Ratio @ Surface for Oct

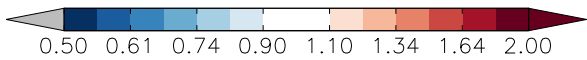
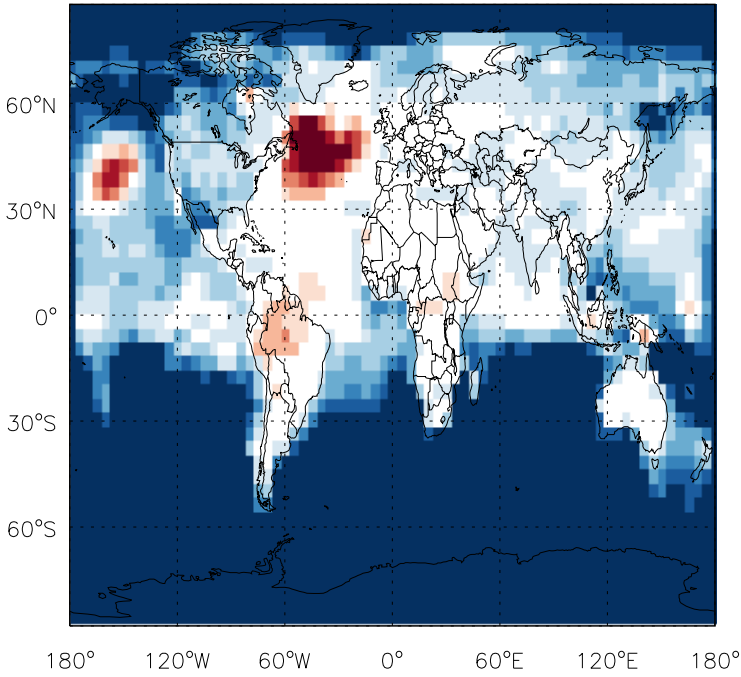


v11-01d-Run0 / v10-01-public-Run0  
C2H6/ Ratio @ 500 hPa for Oct

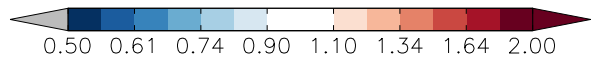
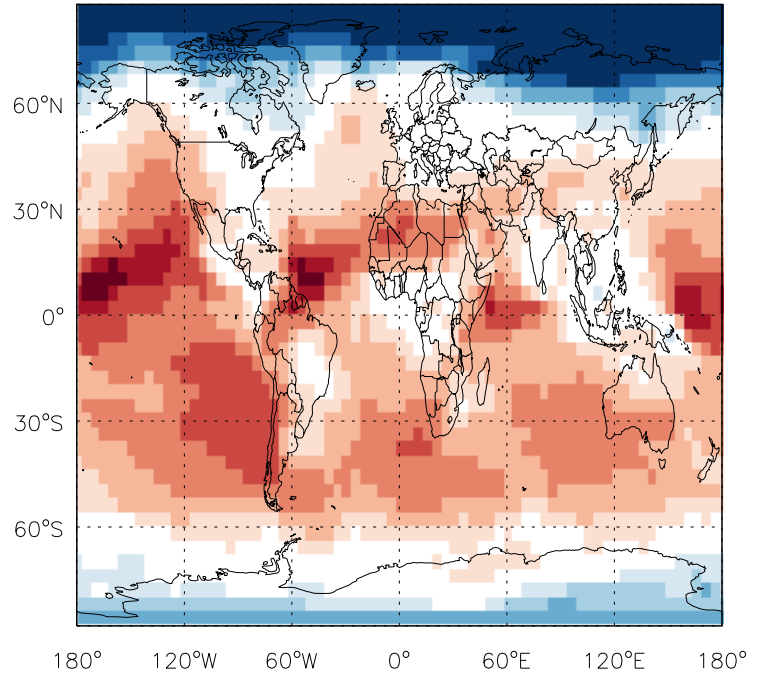


GEOS-Chem Ratio Maps at surface and 500 hPa

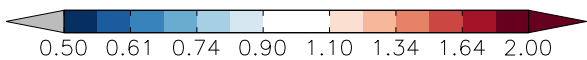
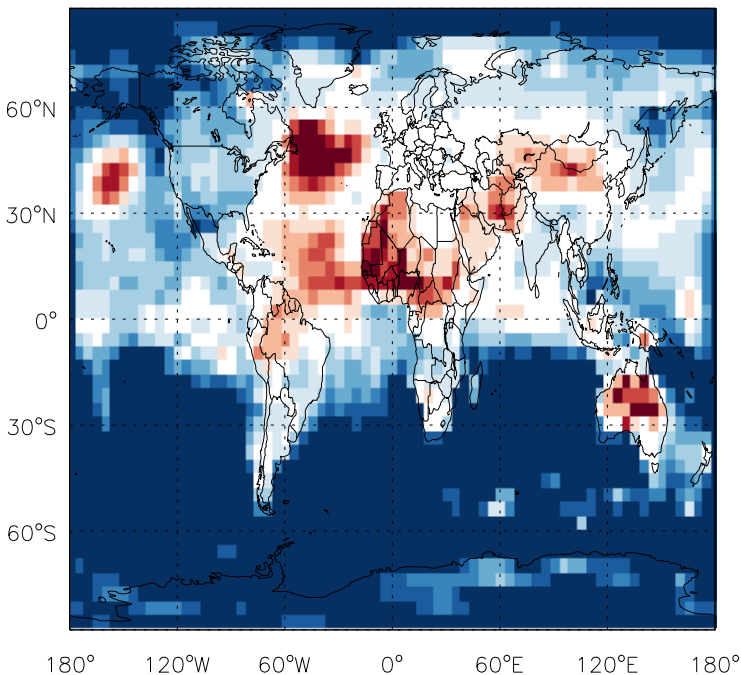
v11-01d-Run0 / v11-01b-Run0  
N2O5 / Ratio @ Surface for Oct



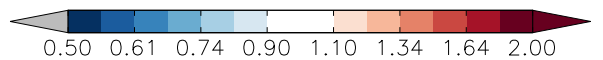
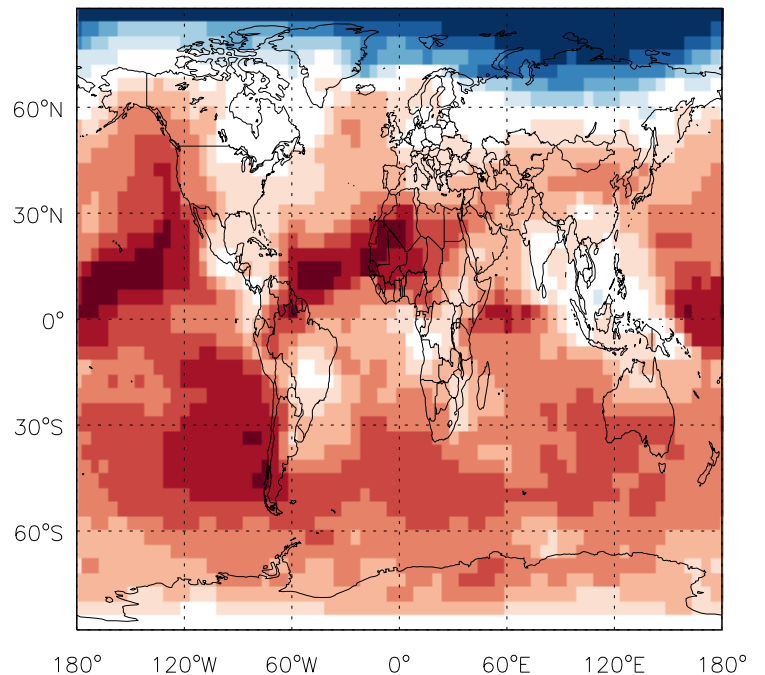
v11-01d-Run0 / v11-01b-Run0  
N2O5 / Ratio @ 500 hPa for Oct



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

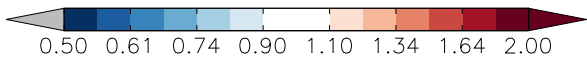
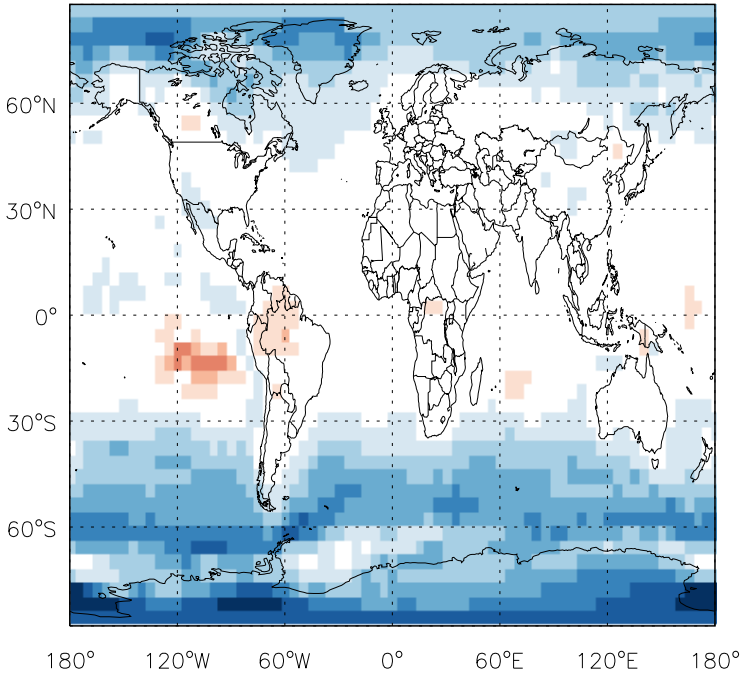


v11-01d-Run0 / v10-01-public-Run0  
N2O5 / Ratio @ 500 hPa for Oct

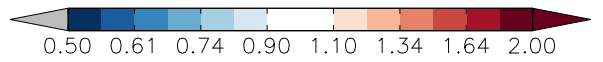
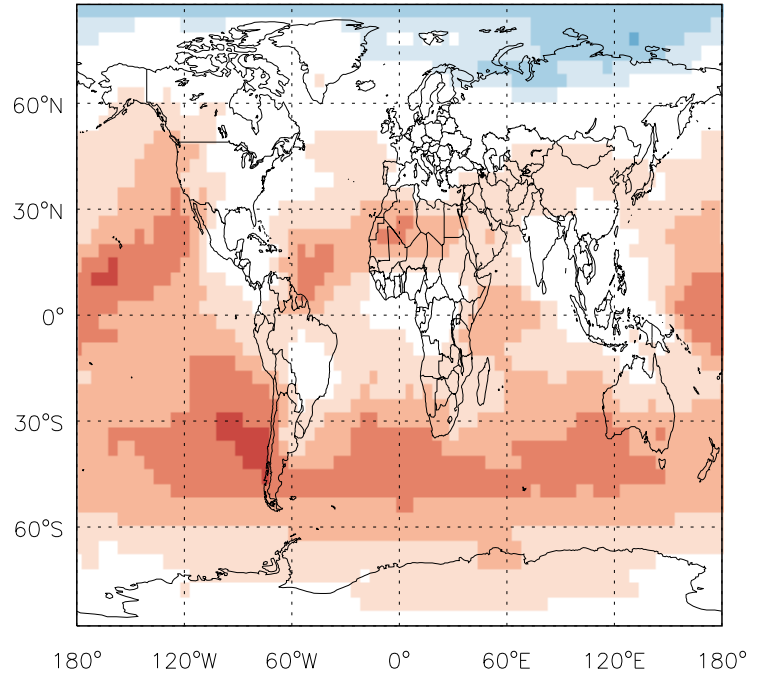


GEOS-Chem Ratio Maps at surface and 500 hPa

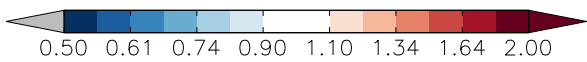
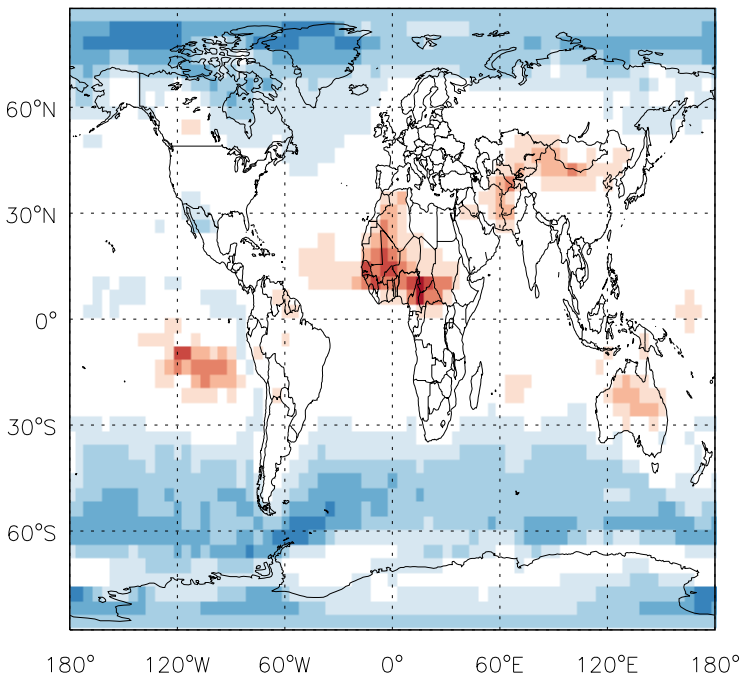
v11-01d-Run0 / v11-01b-Run0  
HN04 / Ratio @ Surface for Oct



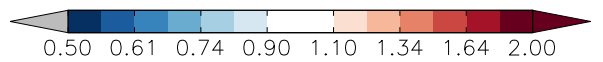
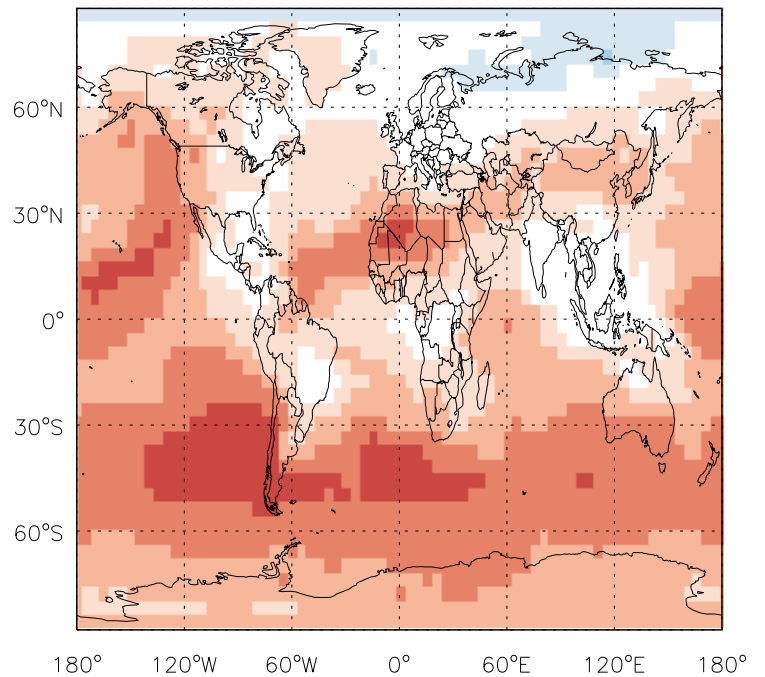
v11-01d-Run0 / v11-01b-Run0  
HN04/ Ratio @ 500 hPa for Oct



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



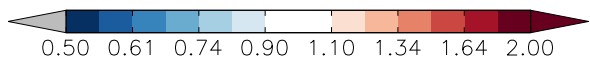
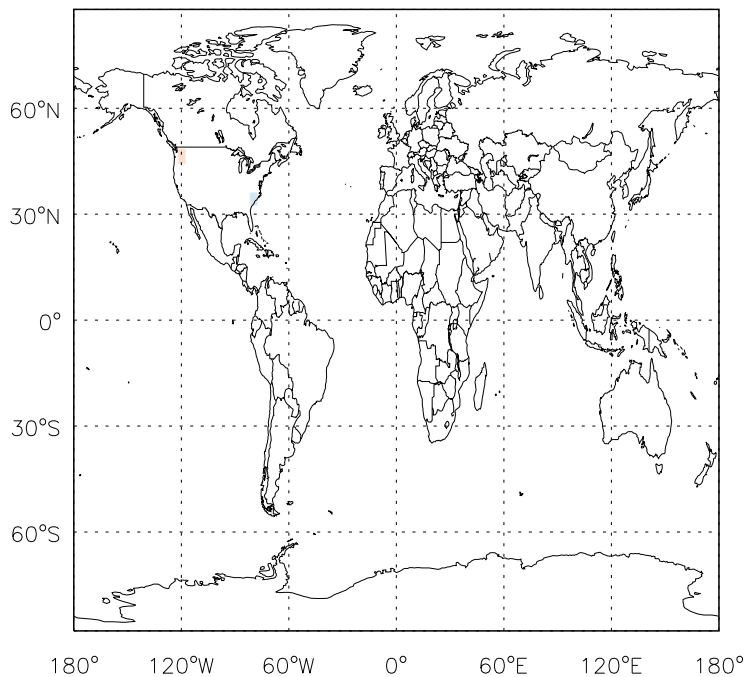
v11-01d-Run0 / v10-01-public-Run0  
HN04/ Ratio @ 500 hPa for Oct



# GEOS-Chem Ratio Maps at surface and 500 hPa

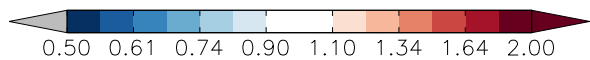
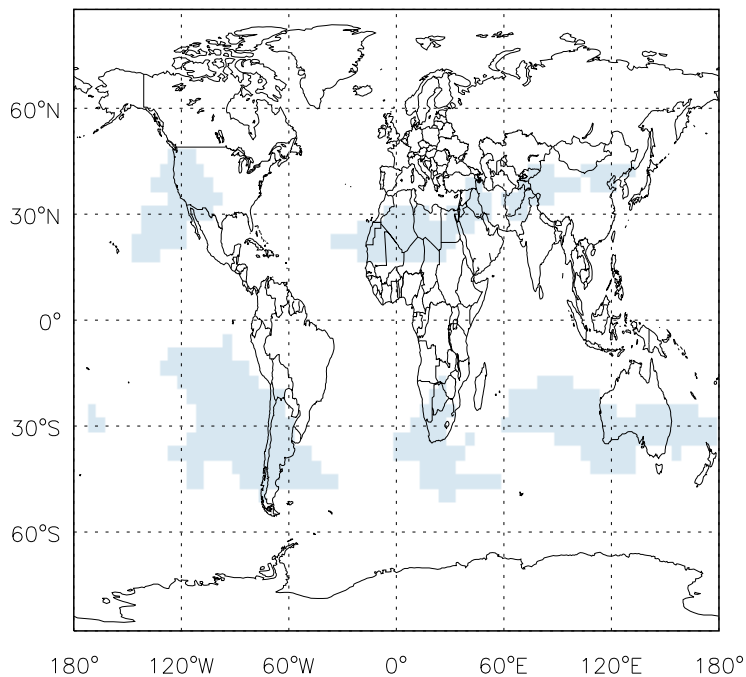
v11-01d-Run0 / v11-01b-Run0

MP / Ratio @ Surface for Oct



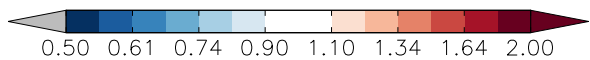
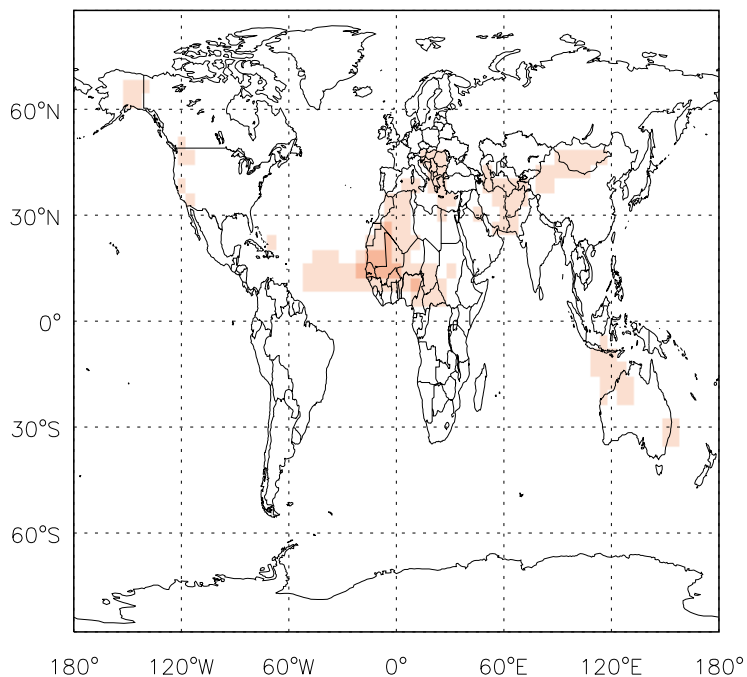
v11-01d-Run0 / v11-01b-Run0

MP / Ratio @ 500 hPa for Oct



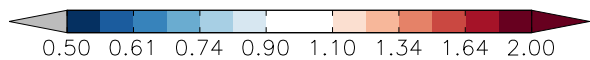
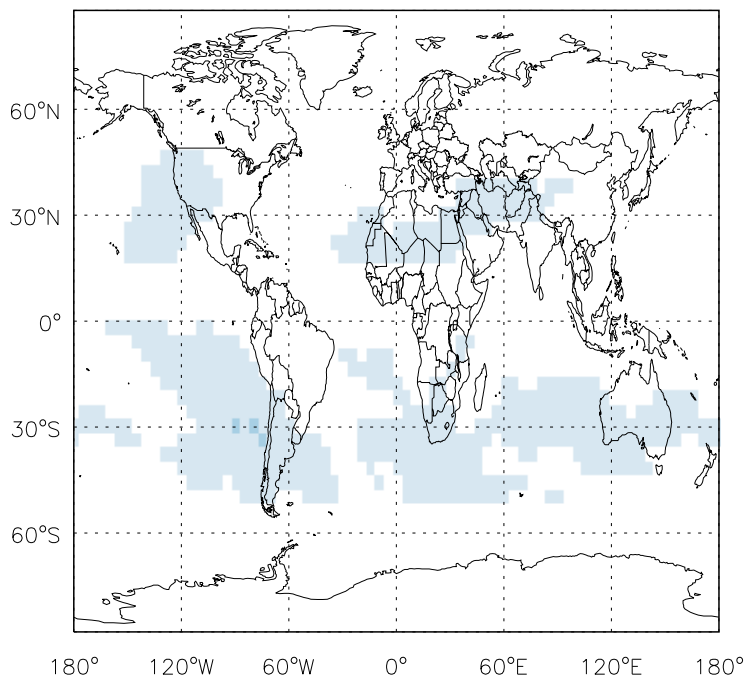
v11-01d-Run0 / v10-01-public-Run0

MP / Ratio @ Surface for Oct



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

MP / Ratio @ 500 hPa for Oct

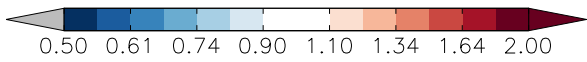
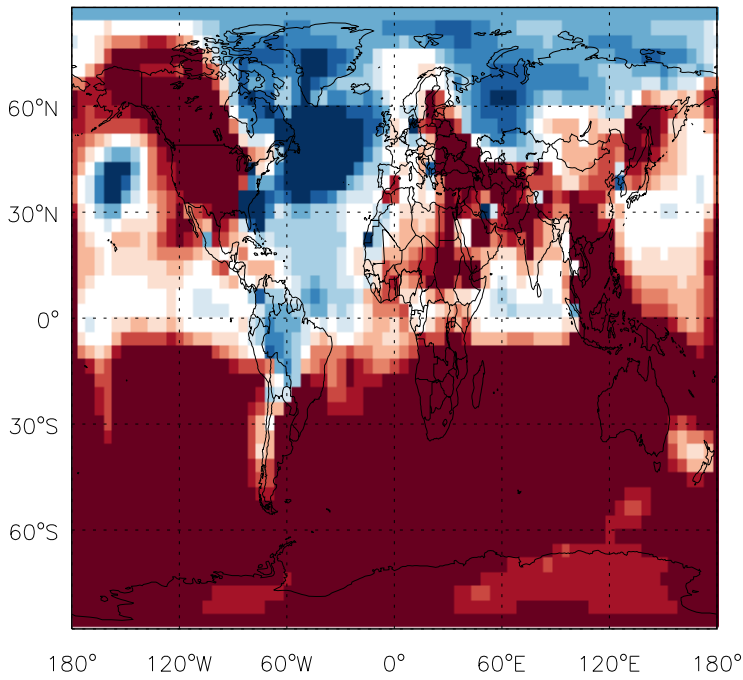




# GEOS-Chem Ratio Maps at surface and 500 hPa

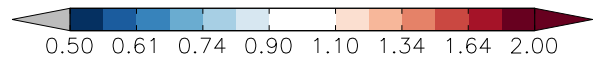
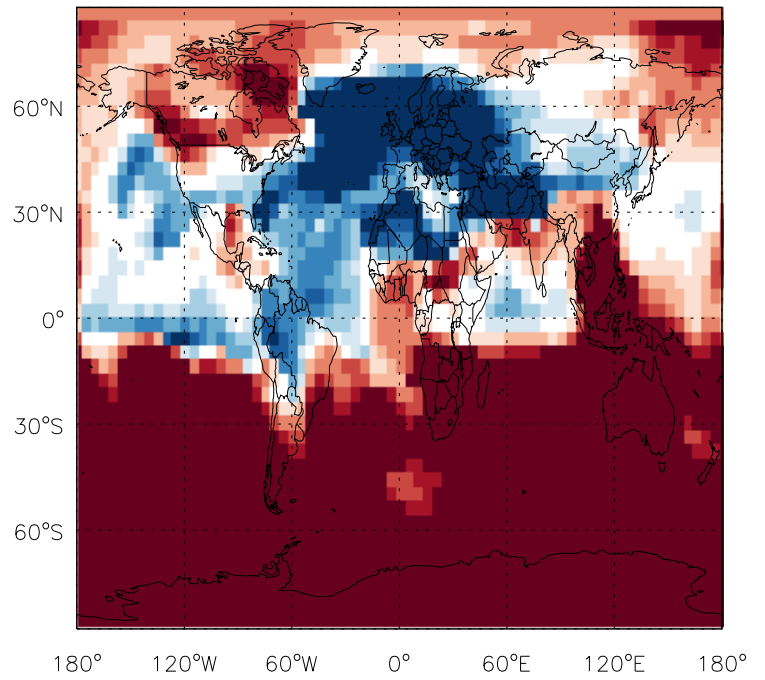
v11-01d-Run0 / v11-01b-Run0

DMS / Ratio @ Surface for Oct



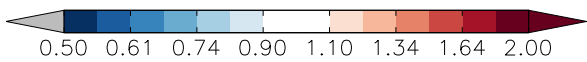
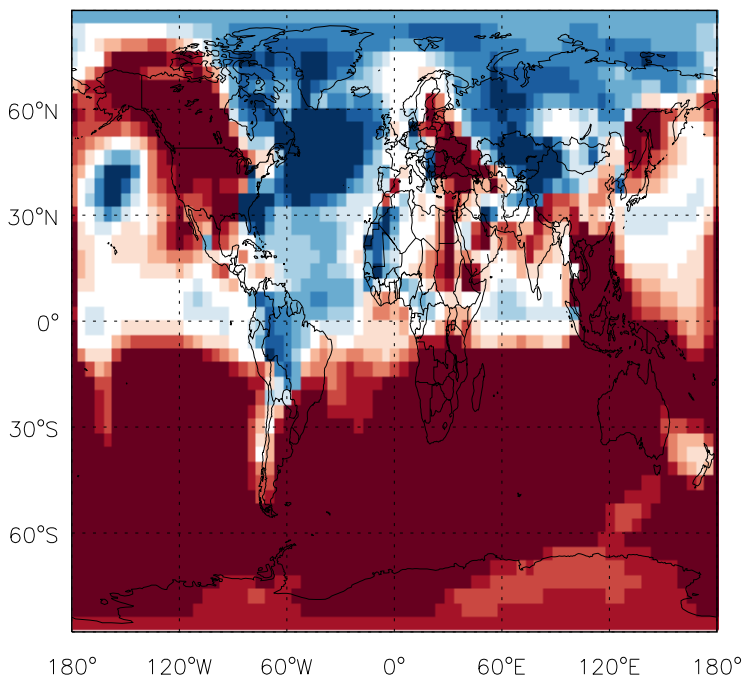
v11-01d-Run0 / v11-01b-Run0

DMS/ Ratio @ 500 hPa for Oct



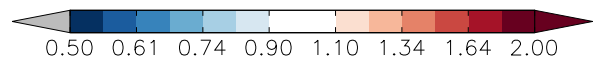
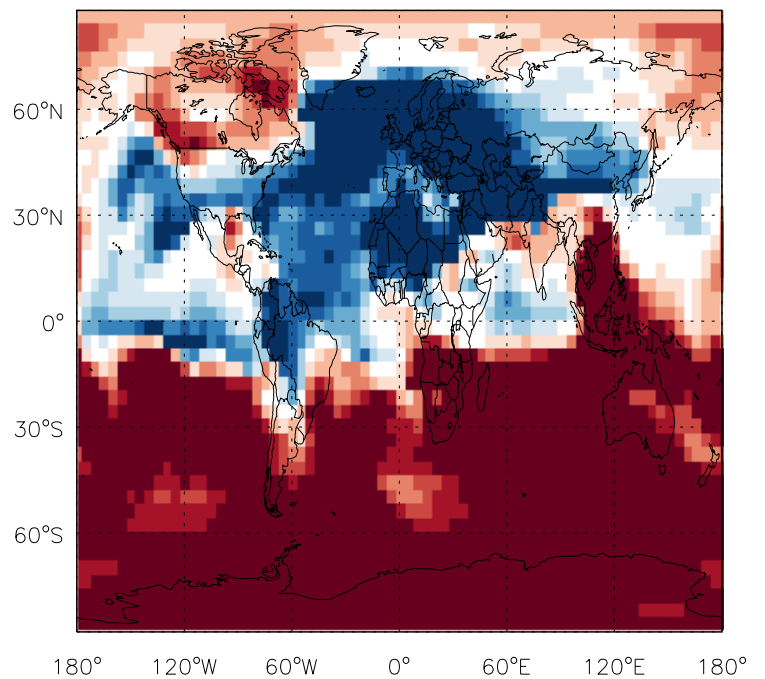
v11-01d-Run0 / v10-01-public-Run0

DMS / Ratio @ Surface for Oct



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

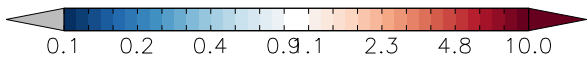
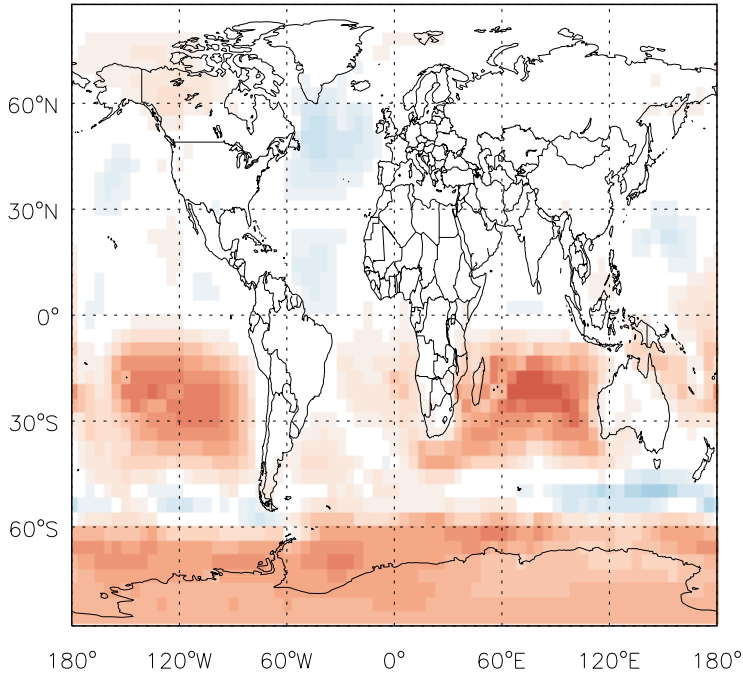
DMS/ Ratio @ 500 hPa for Oct



# GEOS-Chem Ratio Maps at surface and 500 hPa

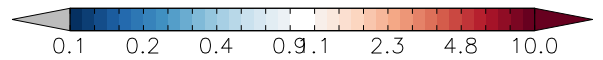
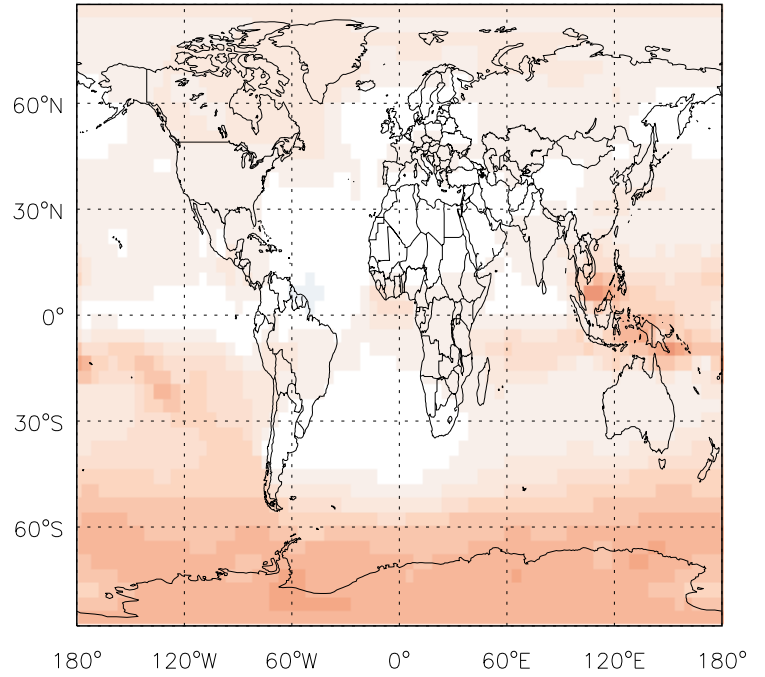
v11-01d-Run0 / v11-01b-Run0

SO<sub>2</sub> / Ratio @ Surface for Oct



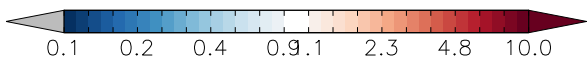
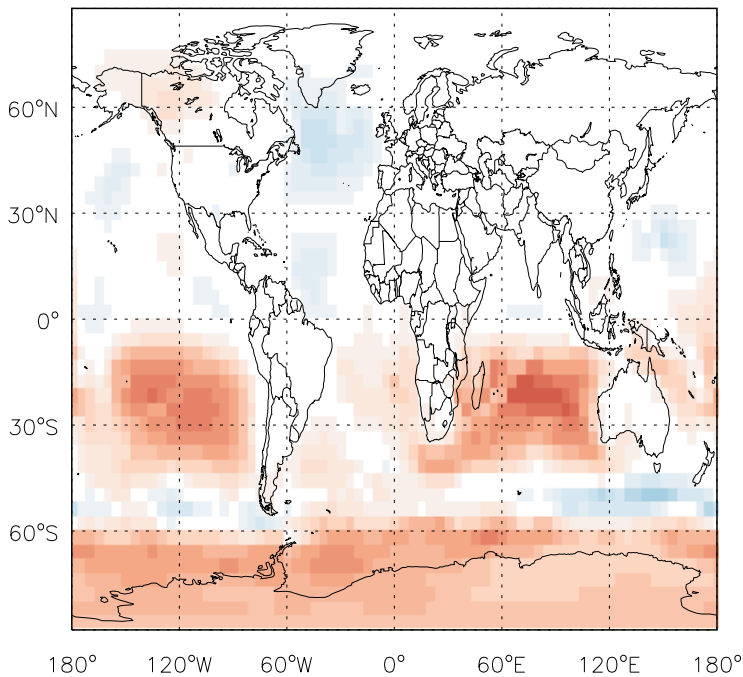
v11-01d-Run0 / v11-01b-Run0

SO<sub>2</sub> / Ratio @ 500 hPa for Oct



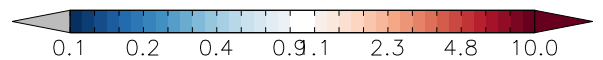
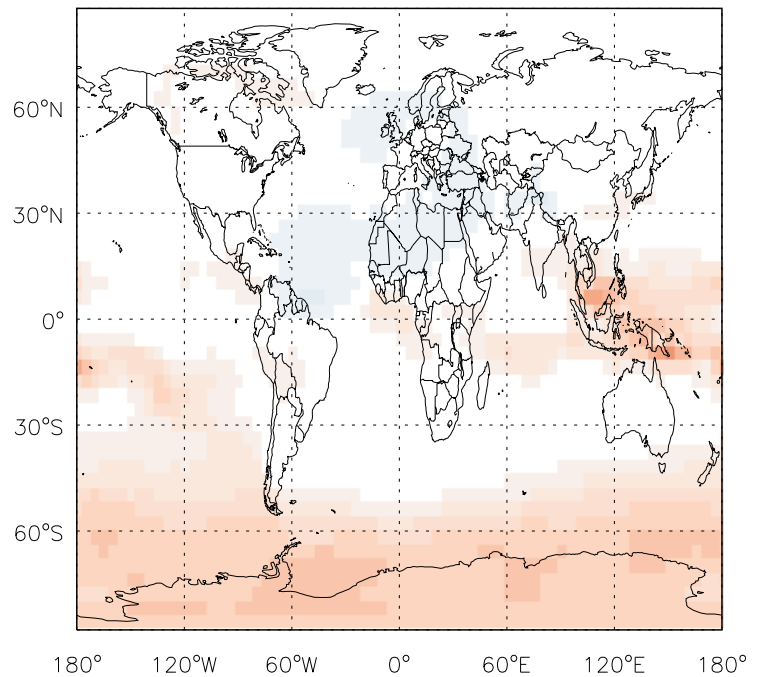
v11-01d-Run0 / v10-01-public-Run0

SO<sub>2</sub> / Ratio @ Surface for Oct



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

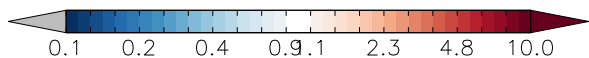
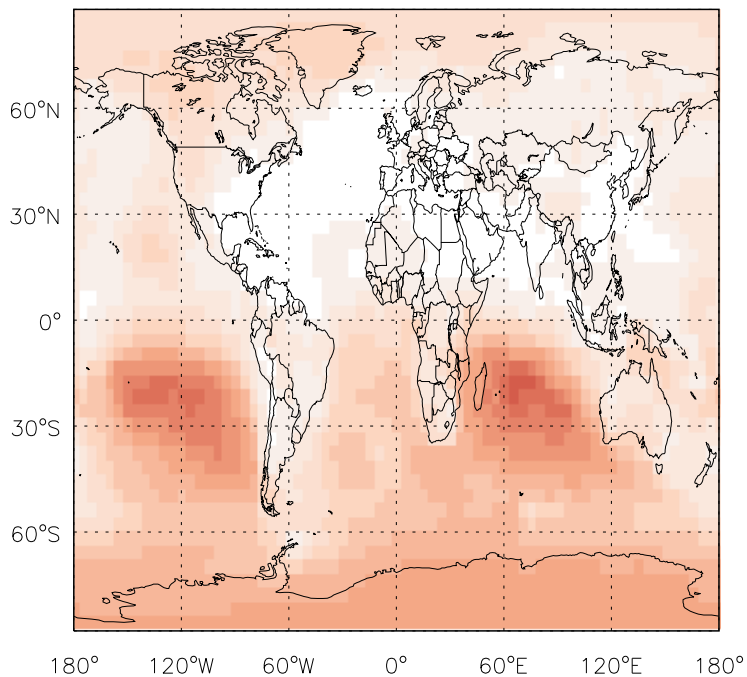
SO<sub>2</sub> / Ratio @ 500 hPa for Oct



GEOS-Chem Ratio Maps at surface and 500 hPa

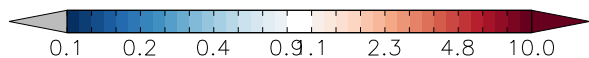
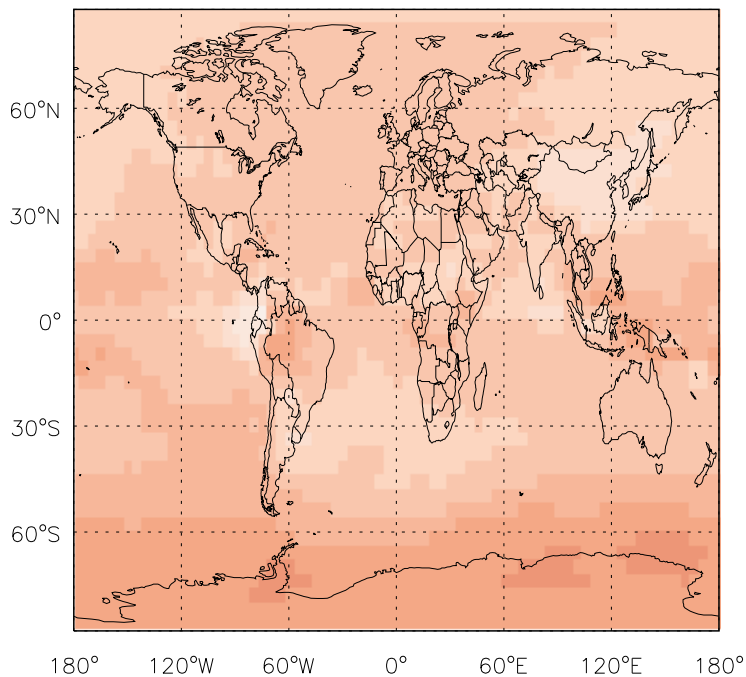
v11-01d-Run0 / v11-01b-Run0

S04 / Ratio @ Surface for Oct



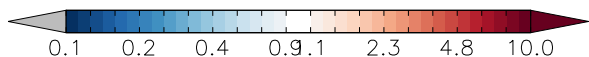
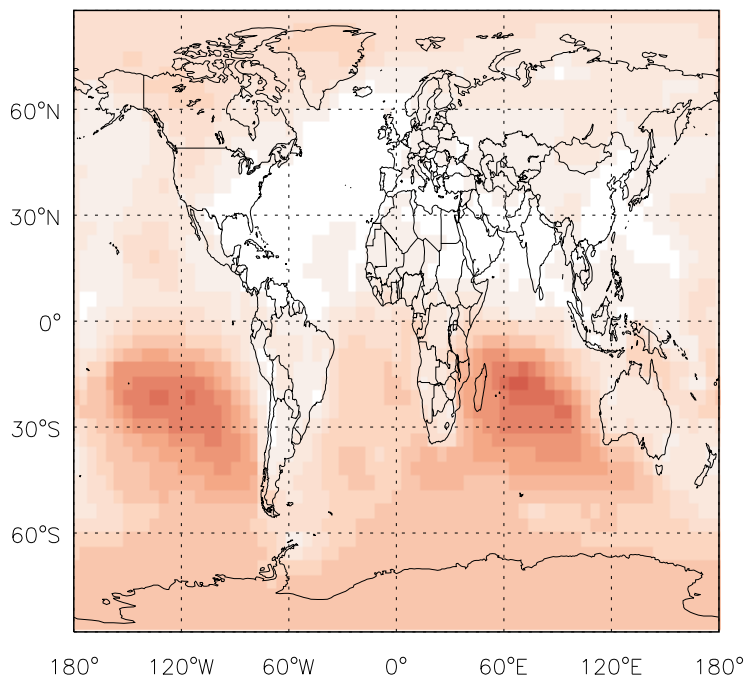
v11-01d-Run0 / v11-01b-Run0

S04/ Ratio @ 500 hPa for Oct



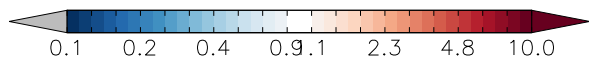
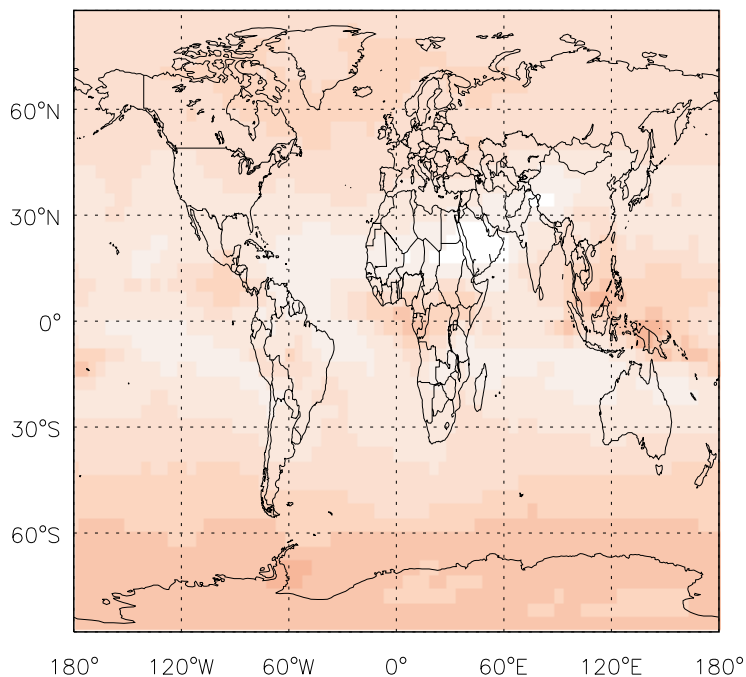
v11-01d-Run0 / v10-01-public-Run0

S04 / Ratio @ Surface for Oct



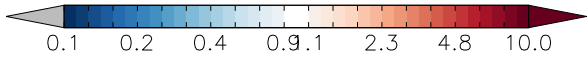
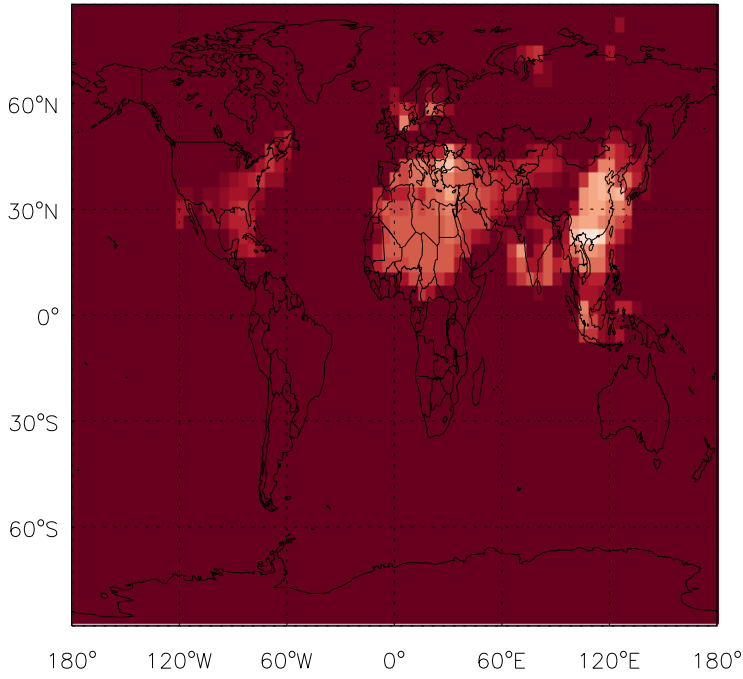
v11-01d-Run0 / v10-01-public-Run0

S04/ Ratio @ 500 hPa for Oct

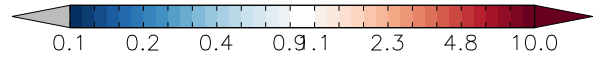
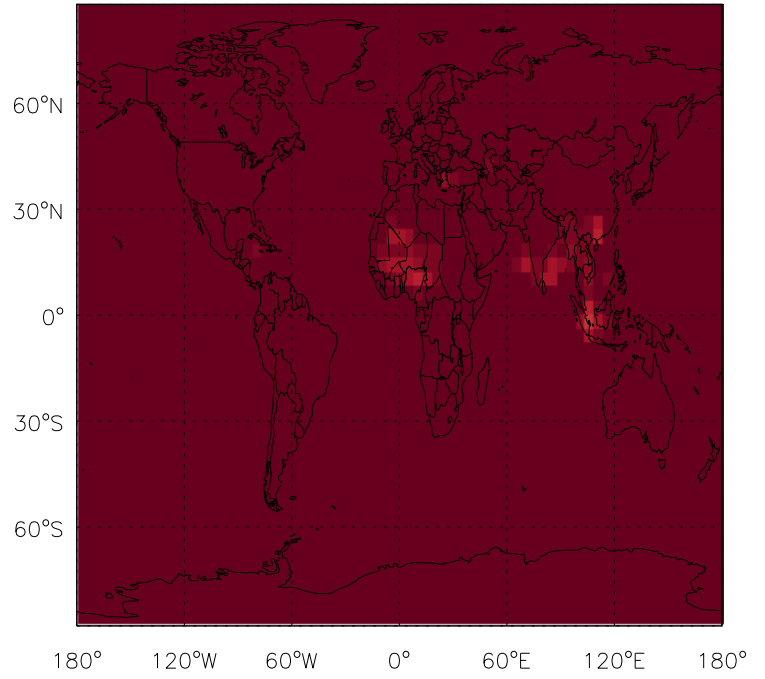


# GEOS-Chem Ratio Maps at surface and 500 hPa

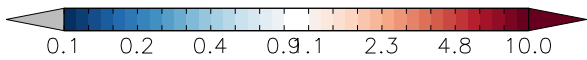
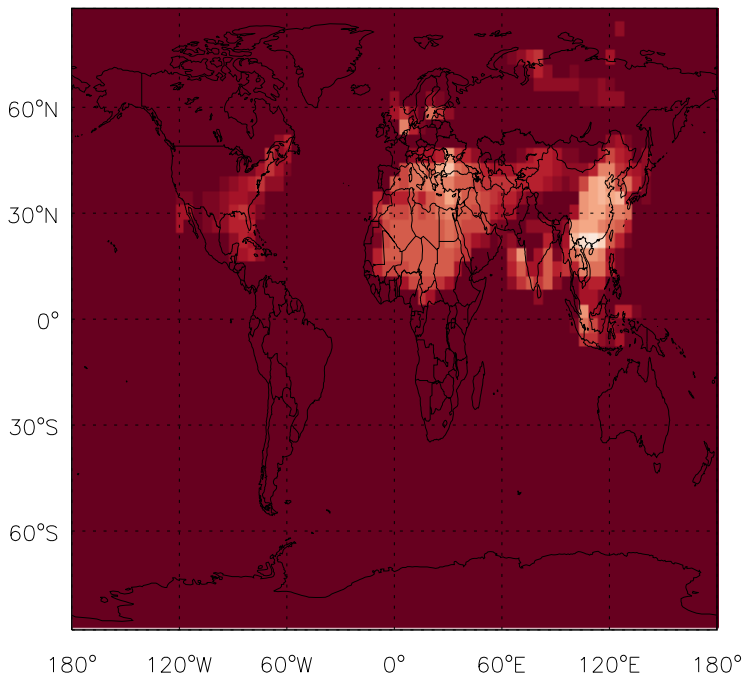
v11-01d-Run0 / v11-01b-Run0  
SO<sub>4</sub>s / Ratio @ Surface for Oct



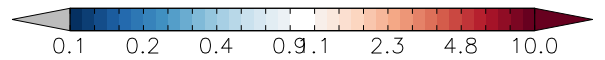
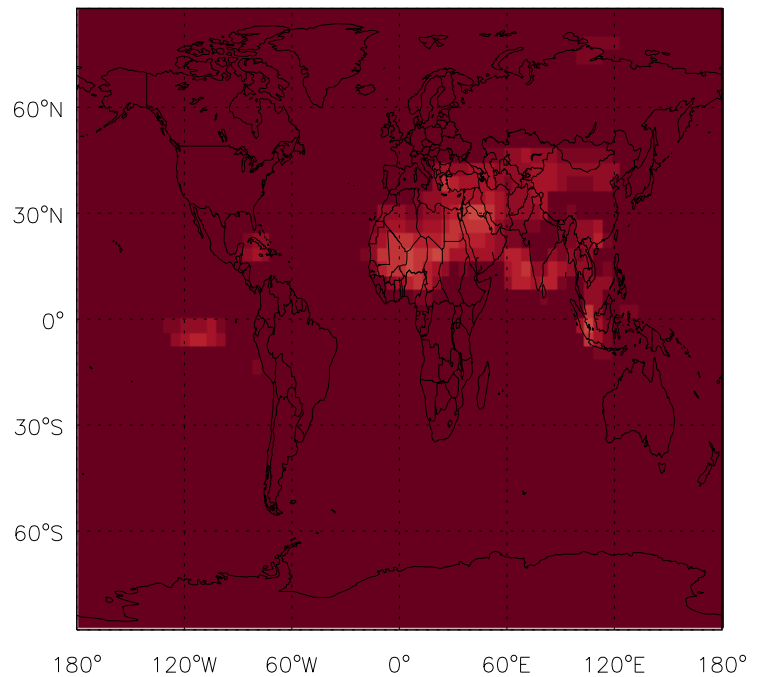
v11-01d-Run0 / v11-01b-Run0  
SO<sub>4</sub>s / Ratio @ 500 hPa for Oct



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



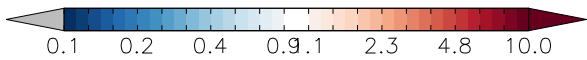
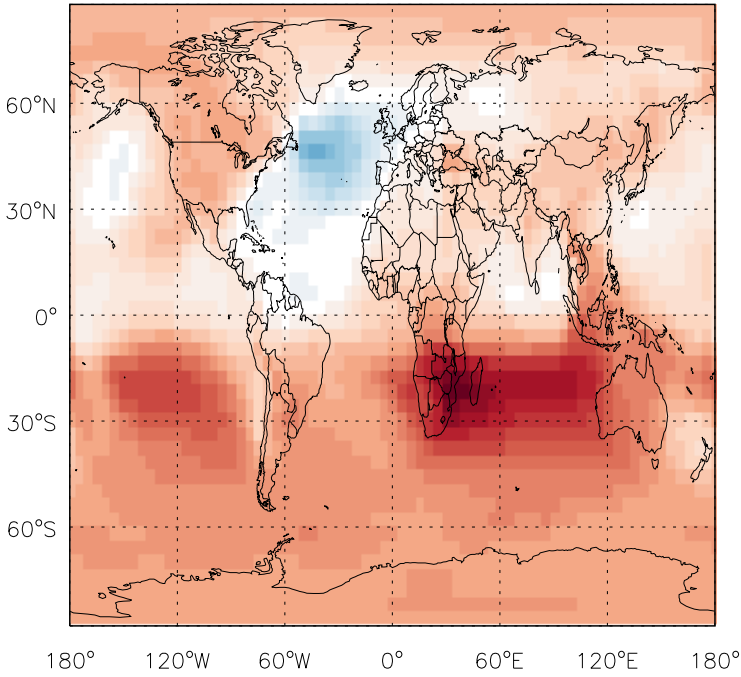
v11-01d-Run0 / v10-01-public-Run0  
SO<sub>4</sub>s / Ratio @ 500 hPa for Oct



GEOS-Chem Ratio Maps at surface and 500 hPa

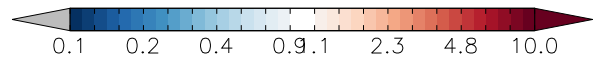
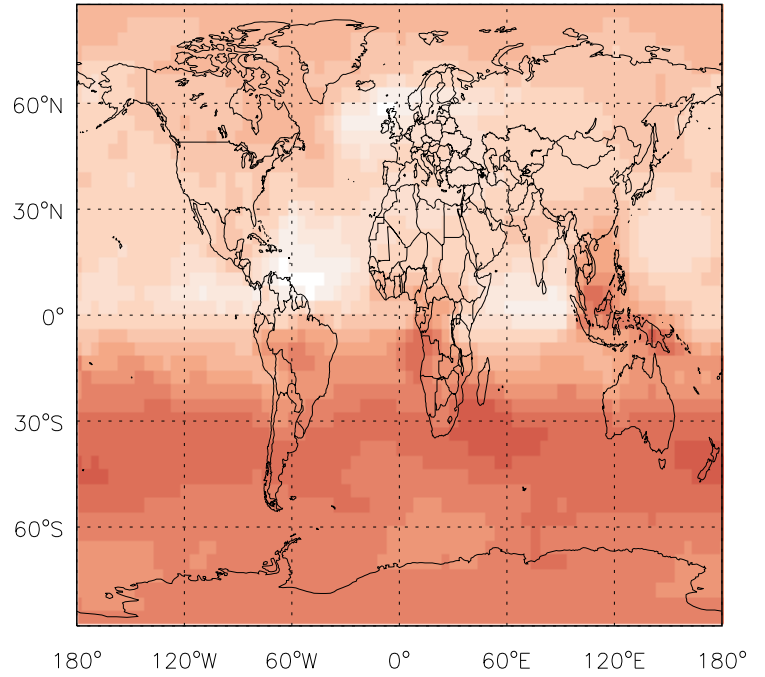
v11-01d-Run0 / v11-01b-Run0

MSA / Ratio @ Surface for Oct



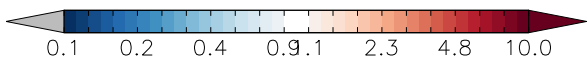
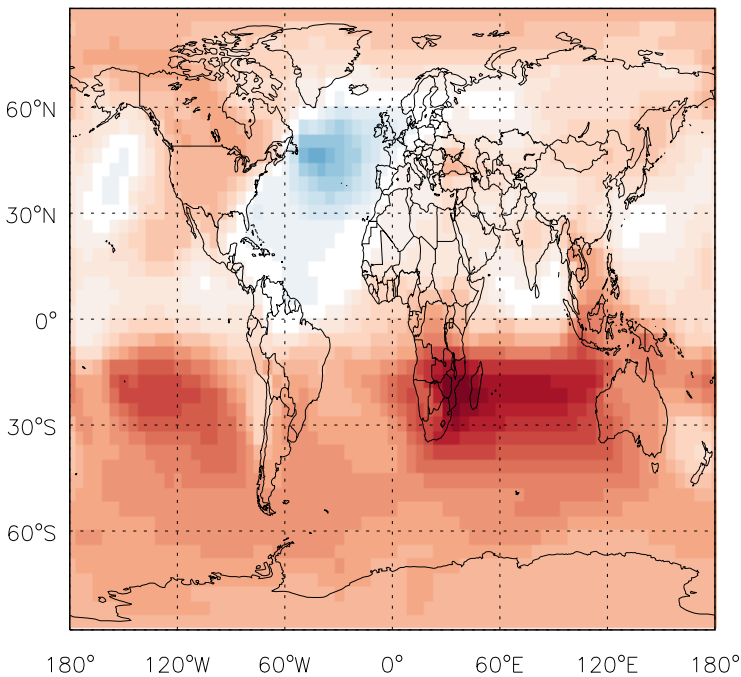
v11-01d-Run0 / v11-01b-Run0

MSA/ Ratio @ 500 hPa for Oct



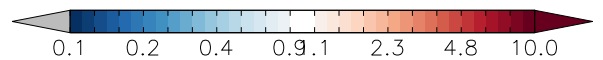
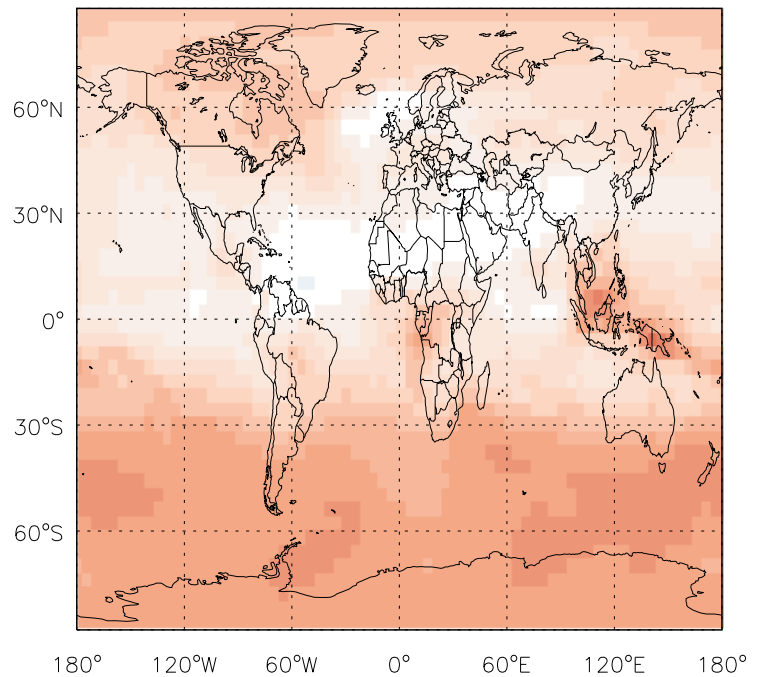
v11-01d-Run0 / v10-01-public-Run0

MSA / Ratio @ Surface for Oct



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

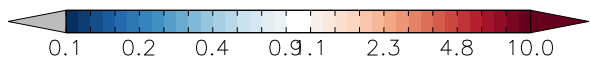
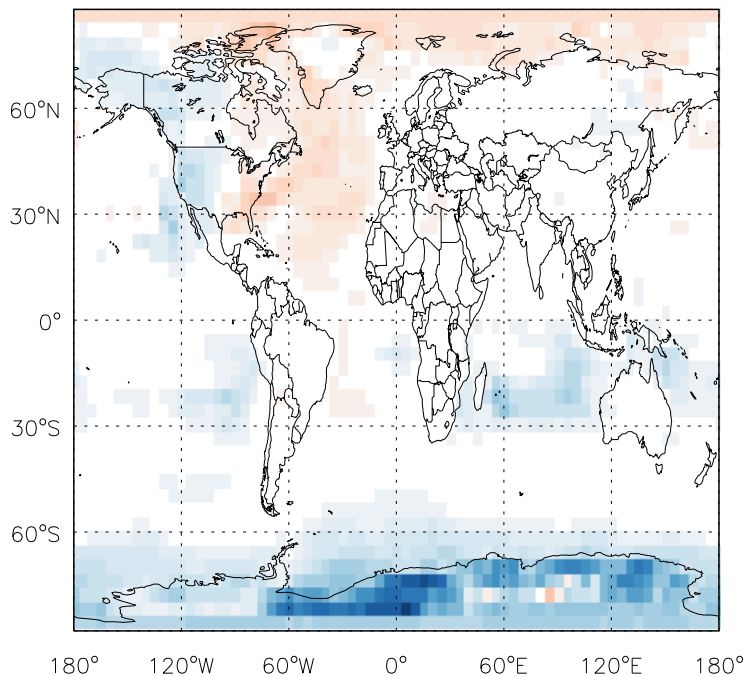
MSA/ Ratio @ 500 hPa for Oct



# GEOS-Chem Ratio Maps at surface and 500 hPa

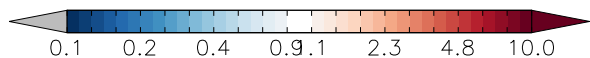
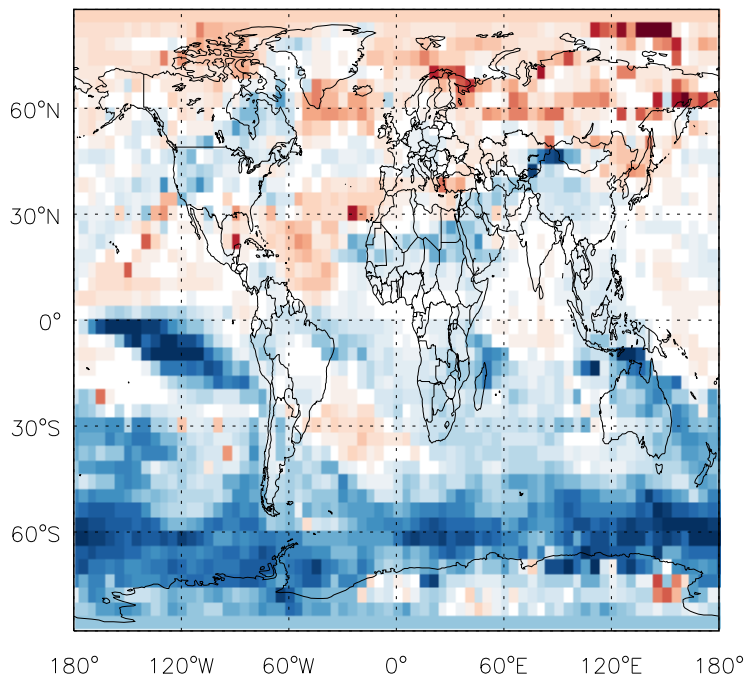
v11-01d-Run0 / v11-01b-Run0

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



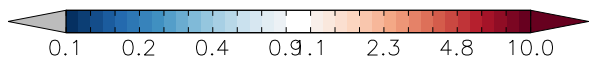
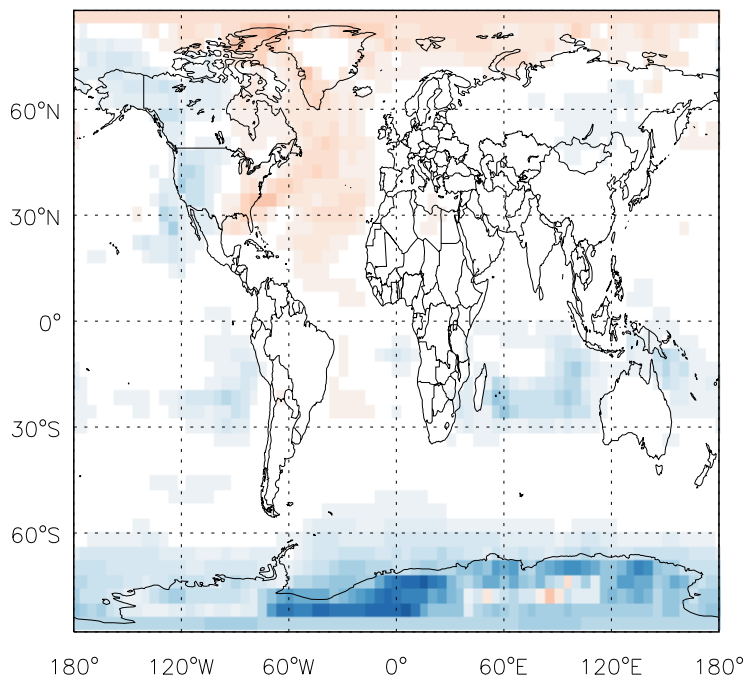
v11-01d-Run0 / v11-01b-Run0

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



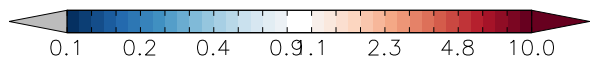
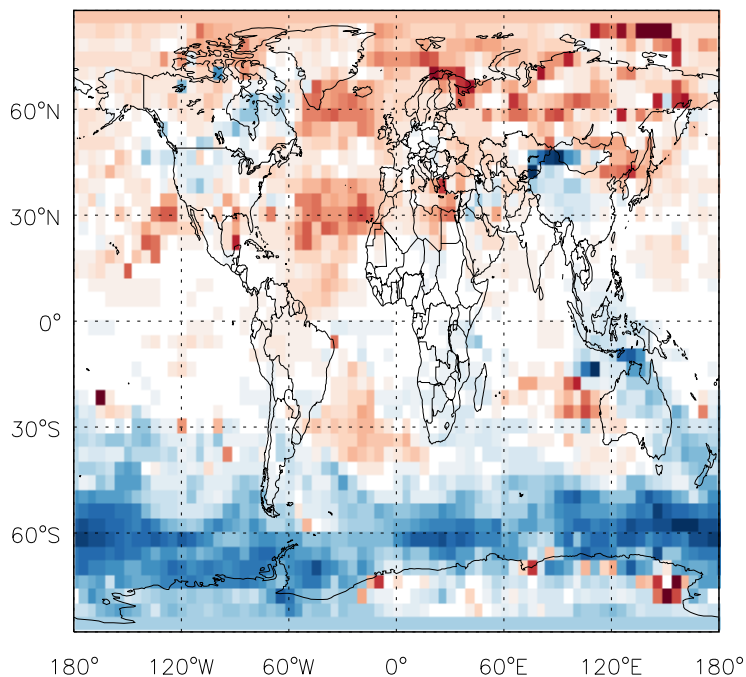
v11-01d-Run0 / v10-01-public-Run0

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



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

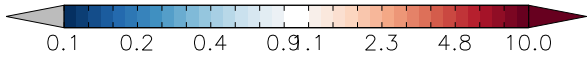
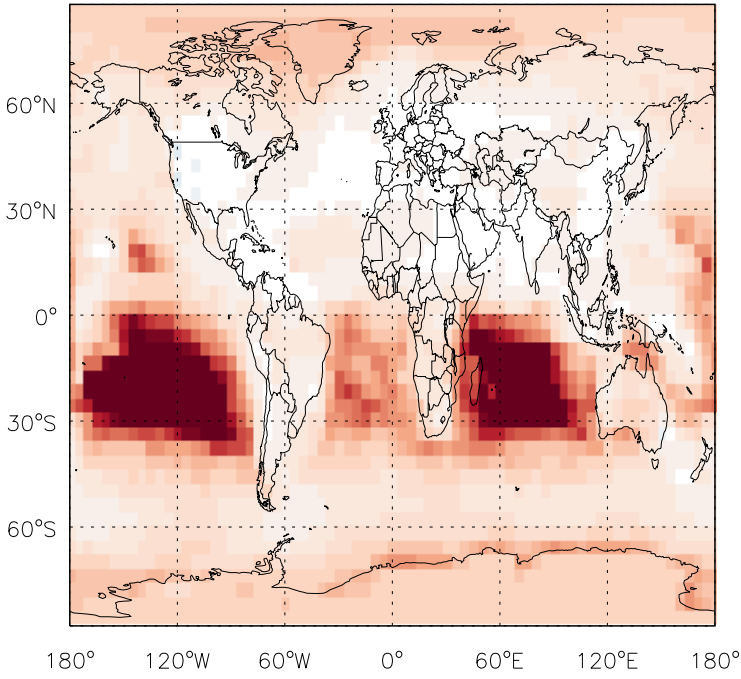
NH<sub>3</sub>/ Ratio @ 500 hPa for Oct



GEOS-Chem Ratio Maps at surface and 500 hPa

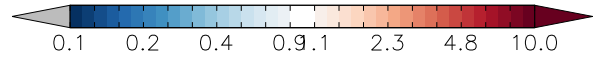
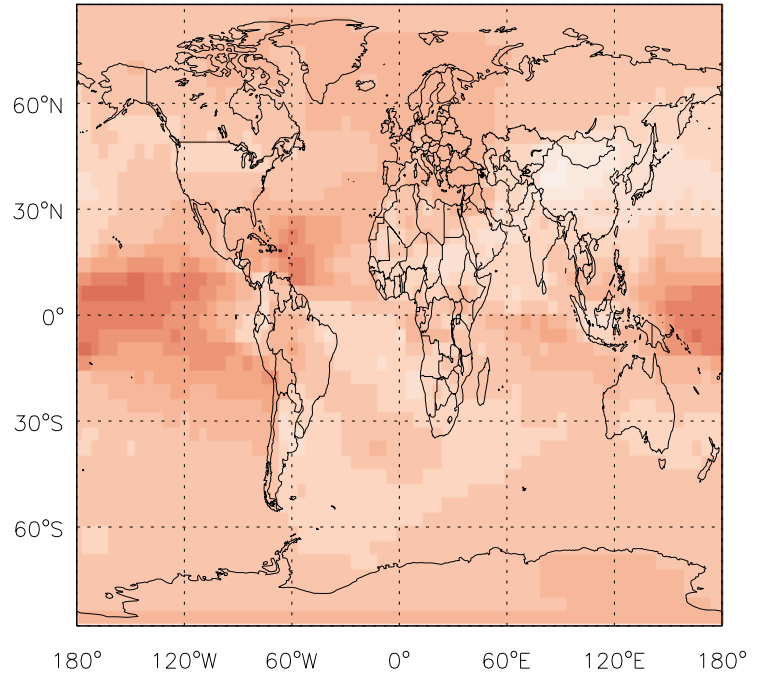
v11-01d-Run0 / v11-01b-Run0

NH4 / Ratio @ Surface for Oct



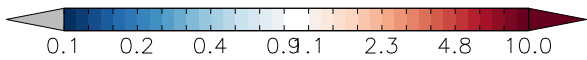
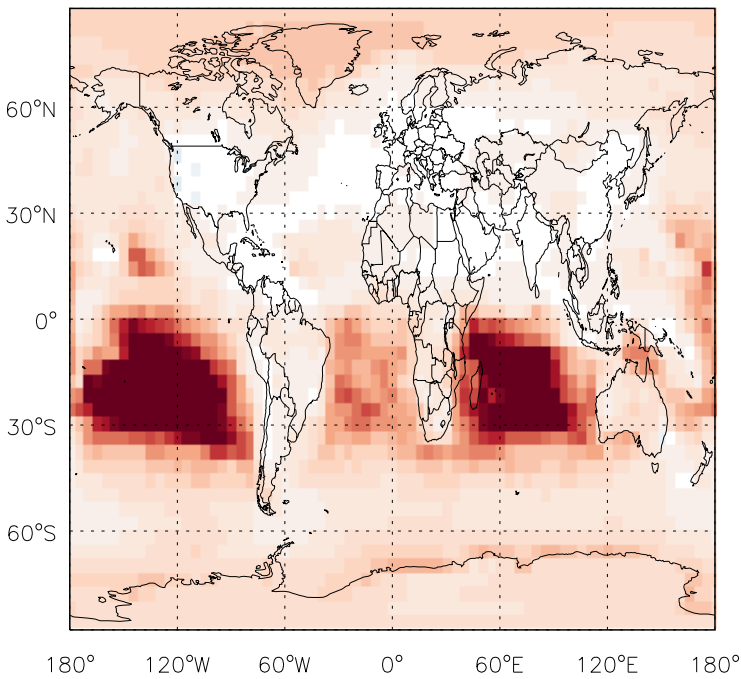
v11-01d-Run0 / v11-01b-Run0

NH4/ Ratio @ 500 hPa for Oct



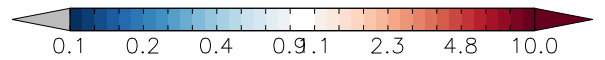
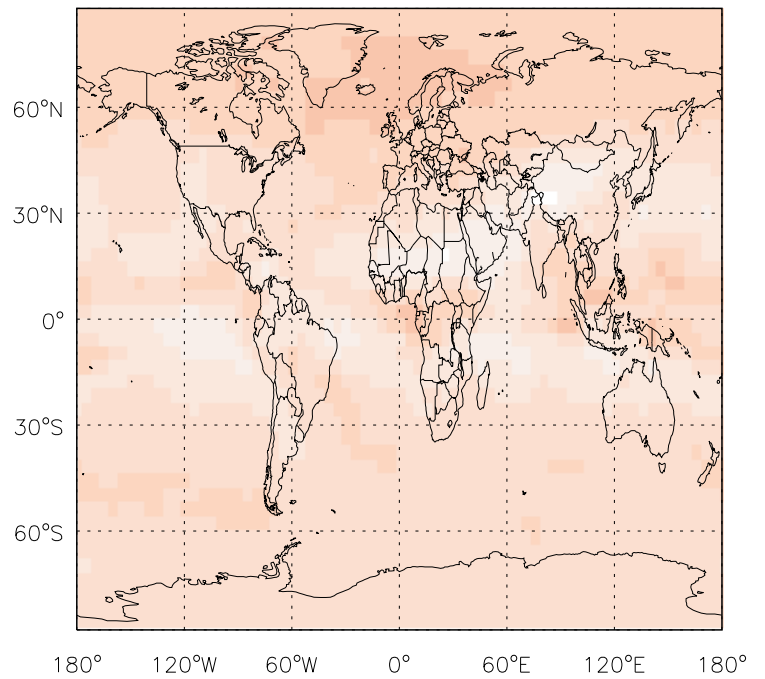
v11-01d-Run0 / v10-01-public-Run0

NH4 / Ratio @ Surface for Oct



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

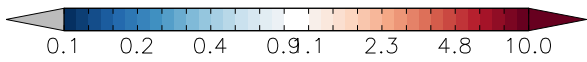
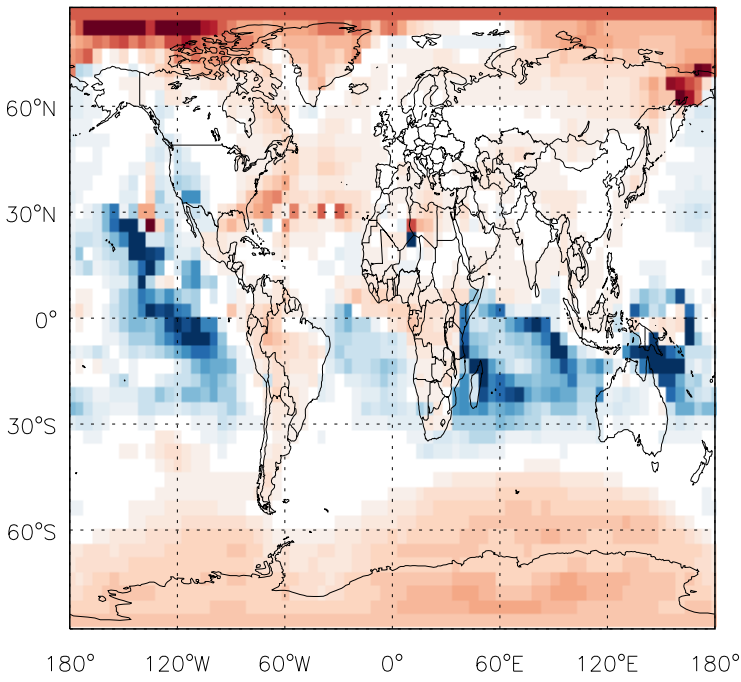
NH4/ Ratio @ 500 hPa for Oct



# GEOS-Chem Ratio Maps at surface and 500 hPa

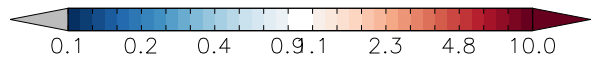
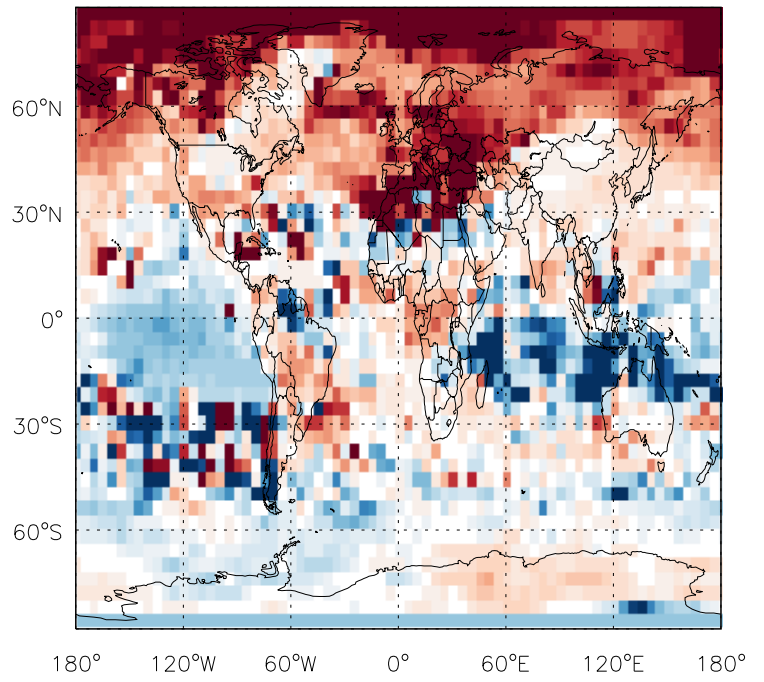
v11-01d-Run0 / v11-01b-Run0

NIT / Ratio @ Surface for Oct



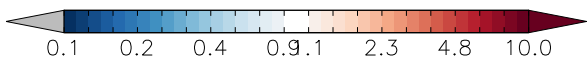
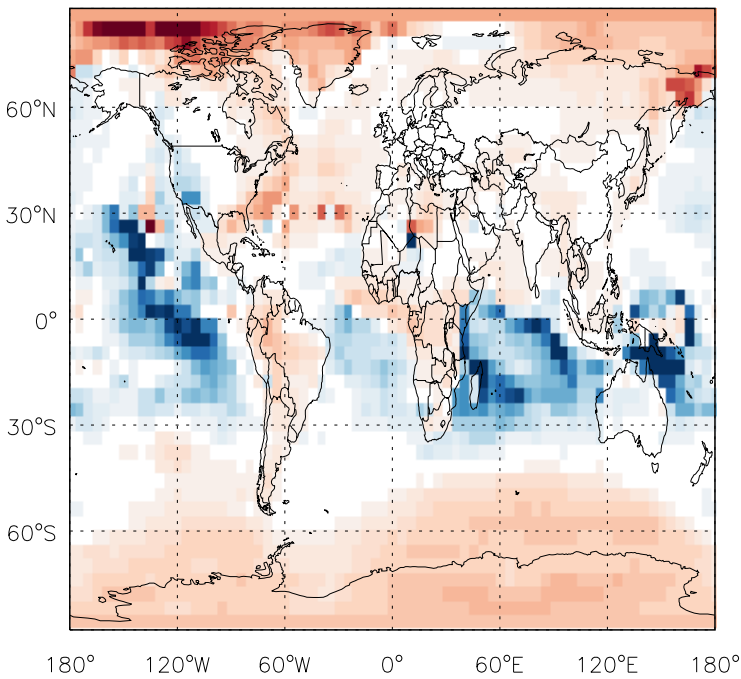
v11-01d-Run0 / v11-01b-Run0

NIT/ Ratio @ 500 hPa for Oct



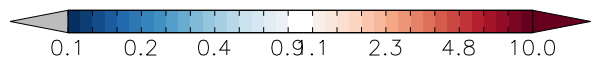
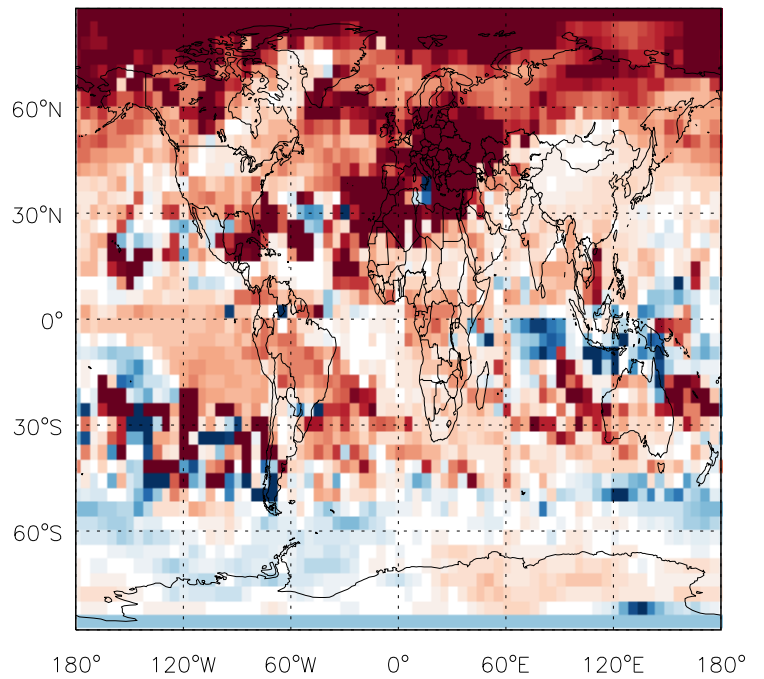
v11-01d-Run0 / v10-01-public-Run0

NIT / Ratio @ Surface for Oct



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

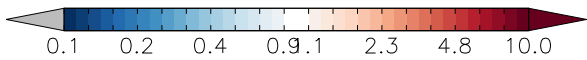
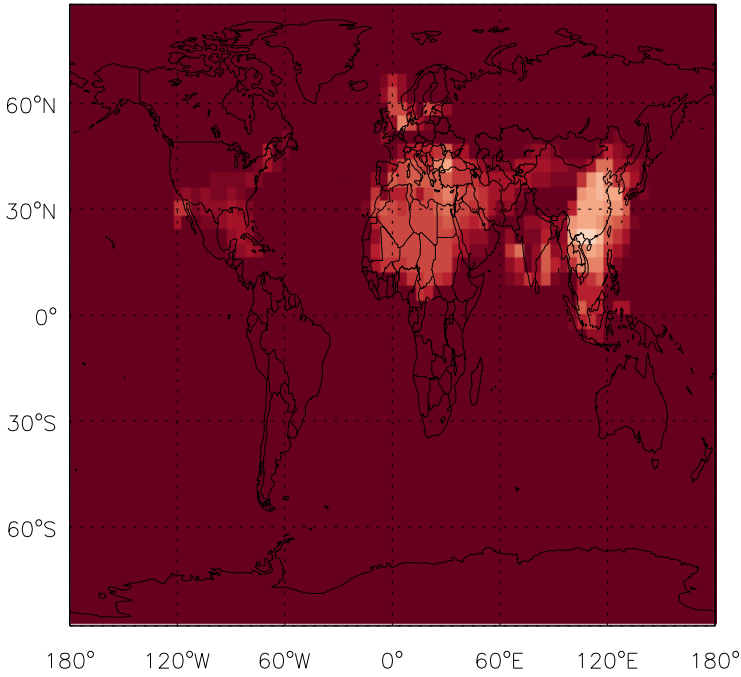
NIT/ Ratio @ 500 hPa for Oct



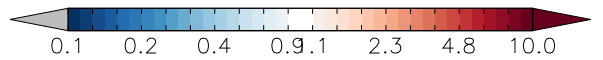
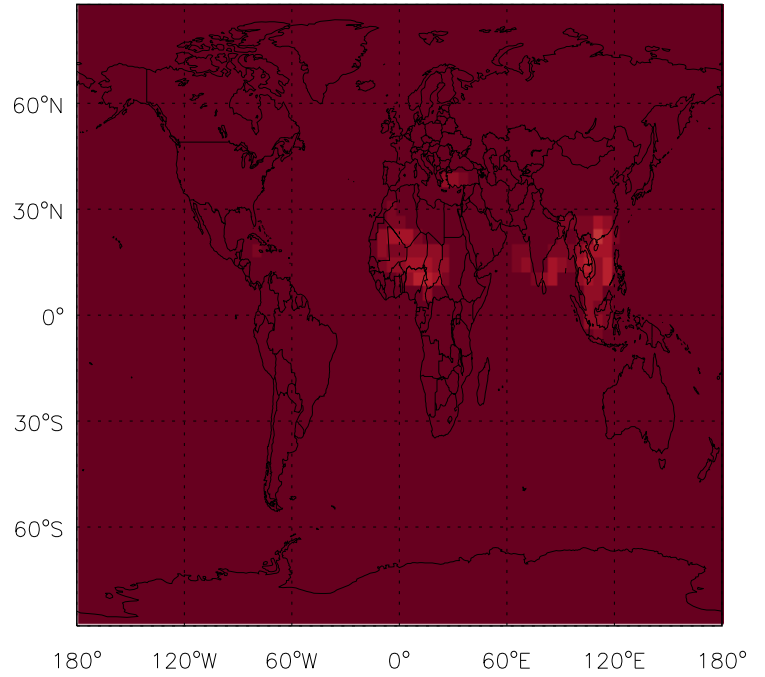


# GEOS-Chem Ratio Maps at surface and 500 hPa

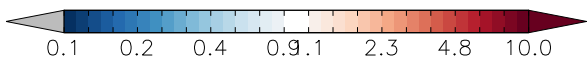
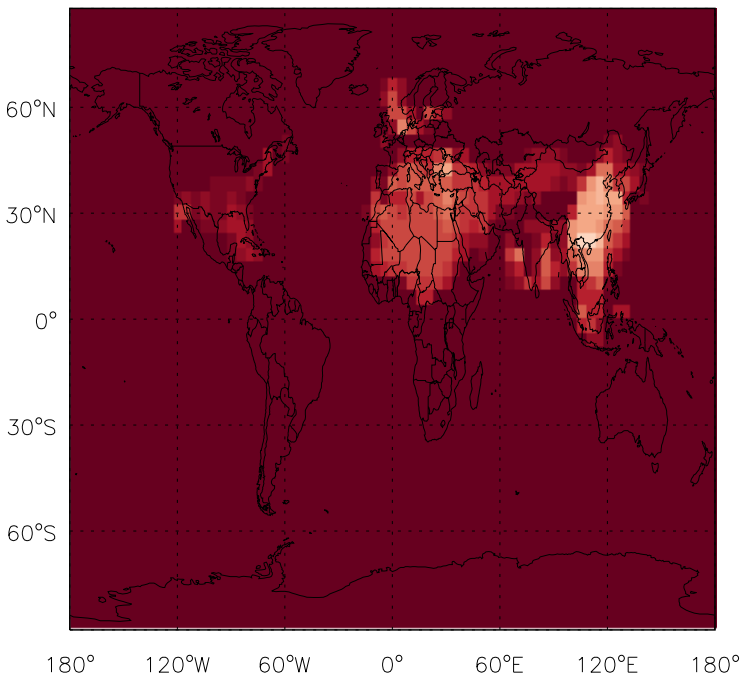
v11-01d-Run0 / v11-01b-Run0  
NITs / Ratio @ Surface for Oct



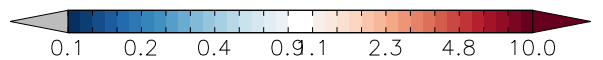
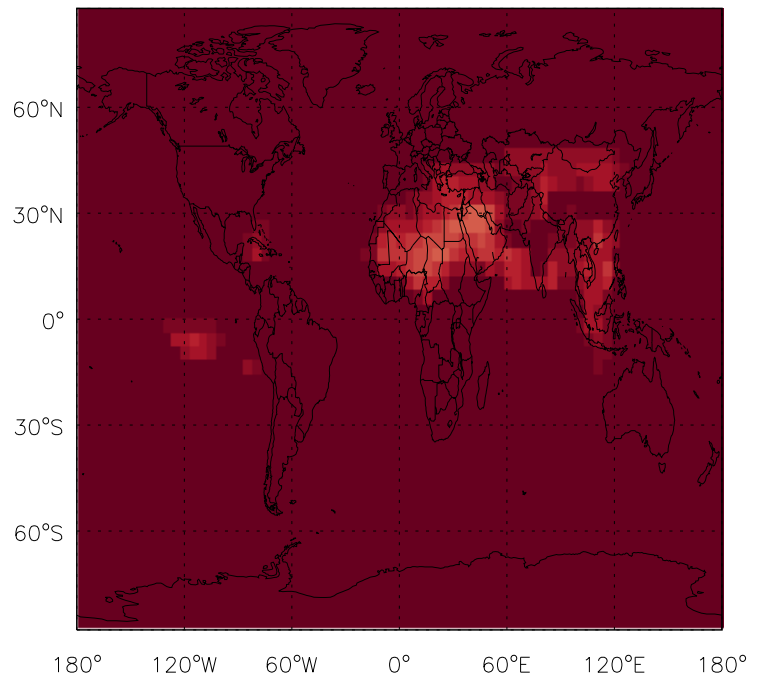
v11-01d-Run0 / v11-01b-Run0  
NITs/ Ratio @ 500 hPa for Oct



v11-01d-Run0 / v10-01-public-Run0  
NITs / Ratio @ Surface for Oct



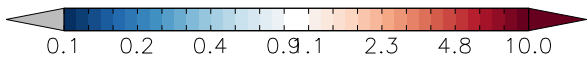
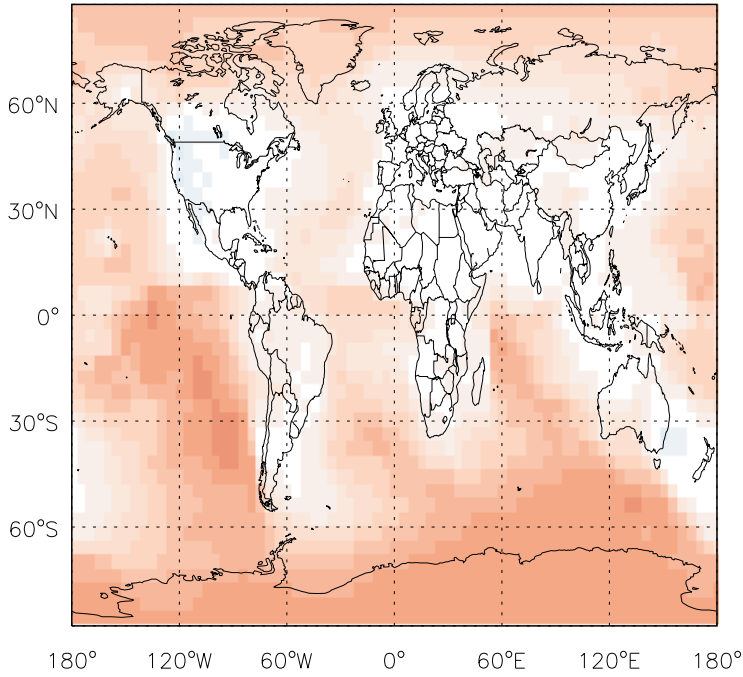
v11-01d-Run0 / v10-01-public-Run0  
NITs/ Ratio @ 500 hPa for Oct



# GEOS-Chem Ratio Maps at surface and 500 hPa

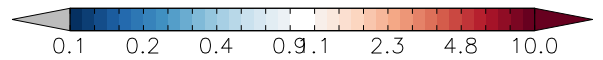
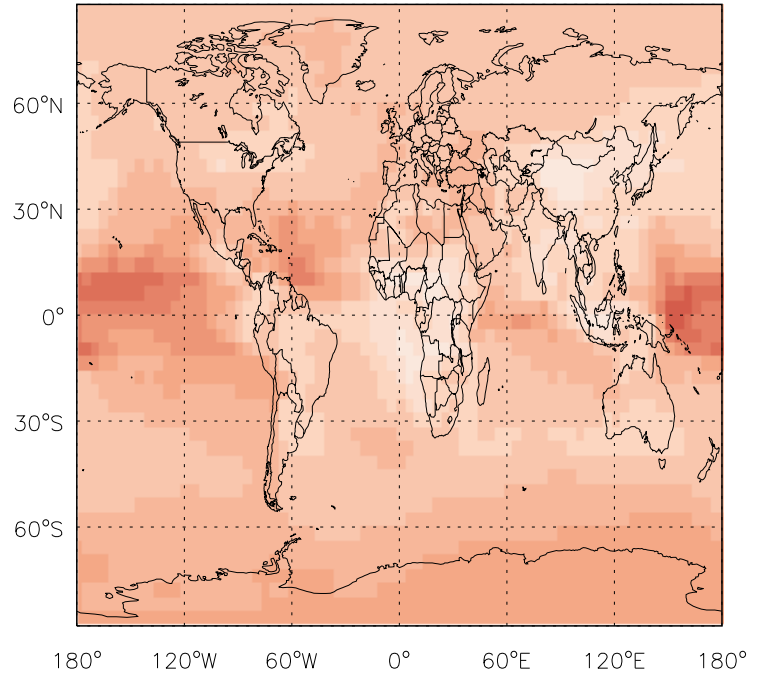
v11-01d-Run0 / v11-01b-Run0

BCPI / Ratio @ Surface for Oct



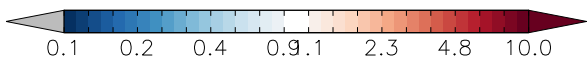
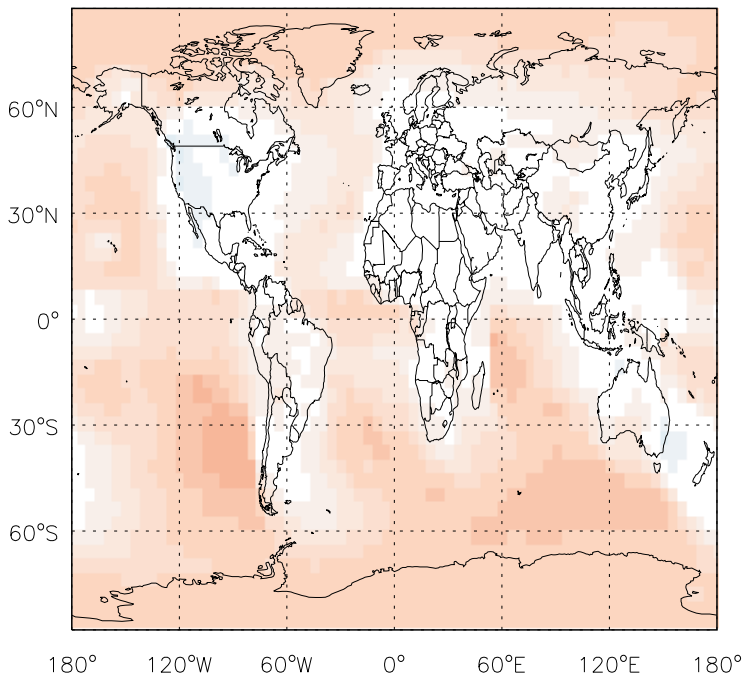
v11-01d-Run0 / v11-01b-Run0

BCPI/ Ratio @ 500 hPa for Oct



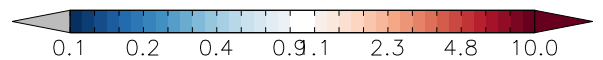
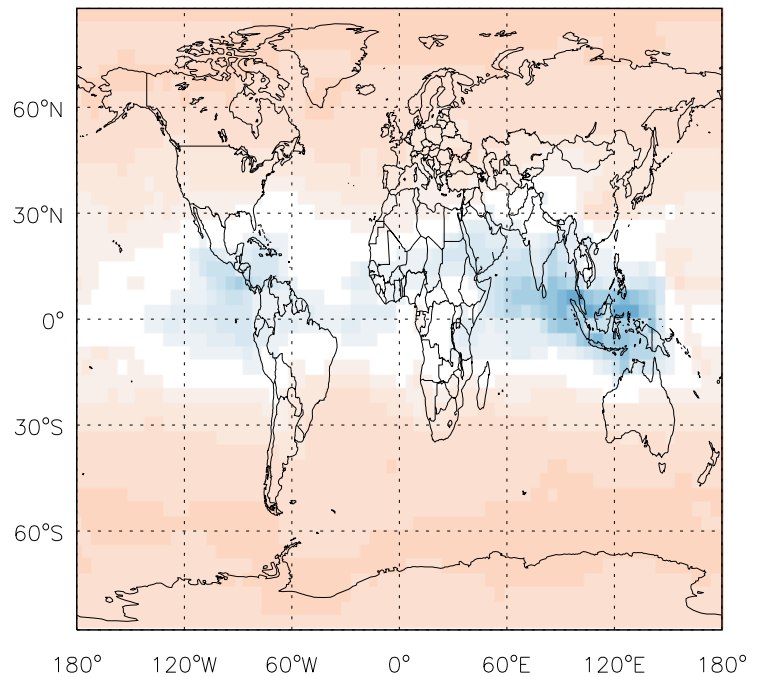
v11-01d-Run0 / v10-01-public-Run0

BCPI / Ratio @ Surface for Oct



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

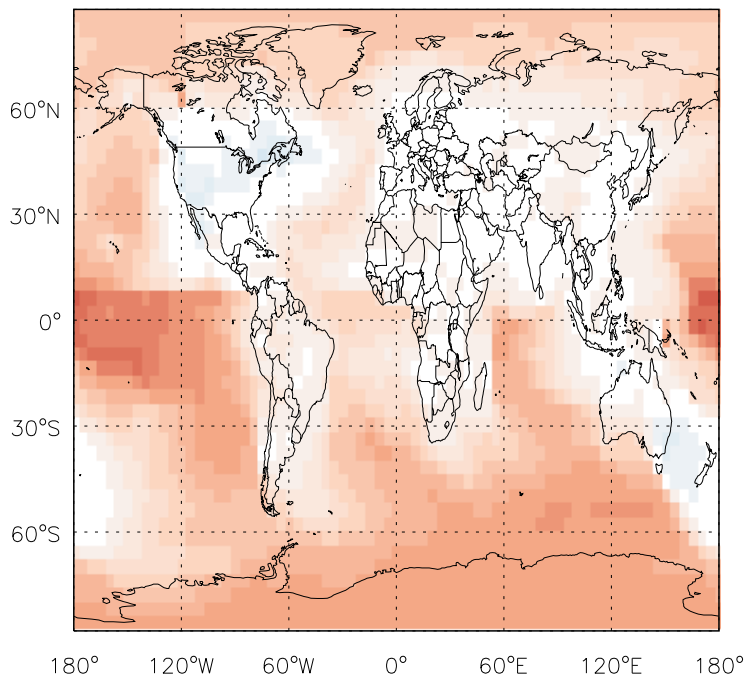
BCPI/ Ratio @ 500 hPa for Oct



# GEOS-Chem Ratio Maps at surface and 500 hPa

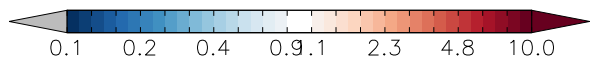
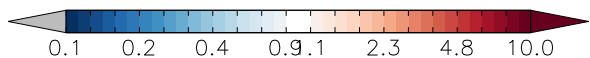
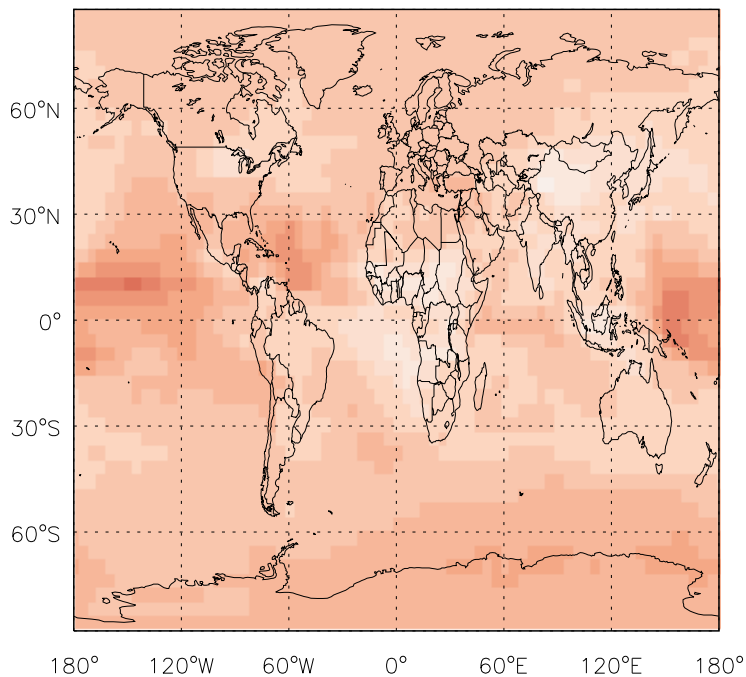
v11-01d-Run0 / v11-01b-Run0

OCPI / Ratio @ Surface for Oct



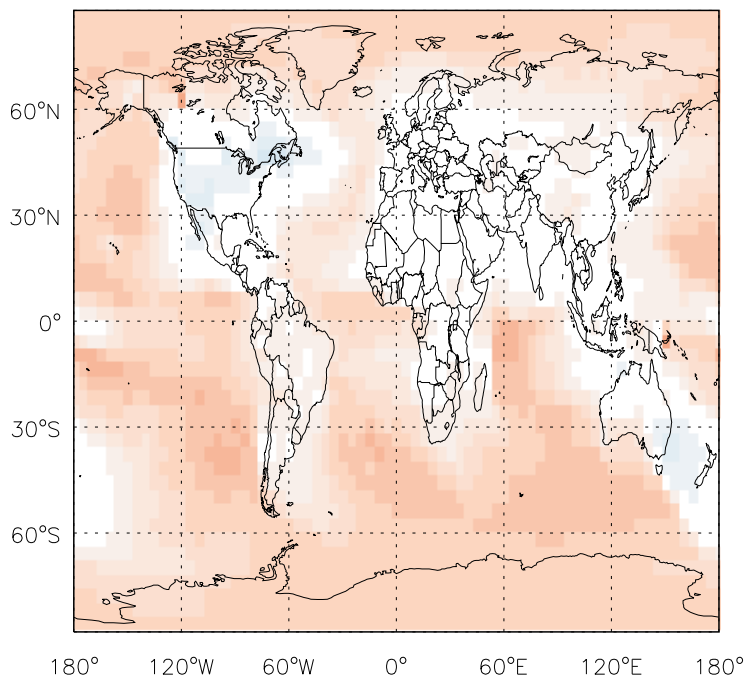
v11-01d-Run0 / v11-01b-Run0

OCPI/ Ratio @ 500 hPa for Oct



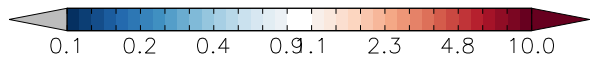
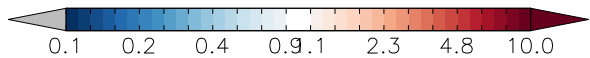
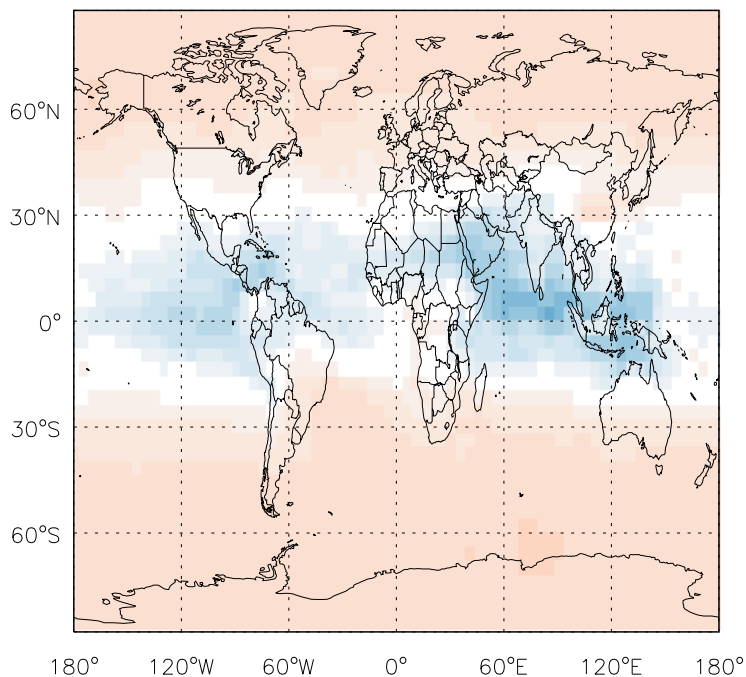
v11-01d-Run0 / v10-01-public-Run0

OCPI / Ratio @ Surface for Oct



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

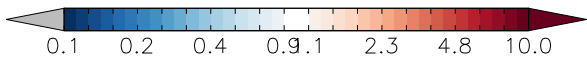
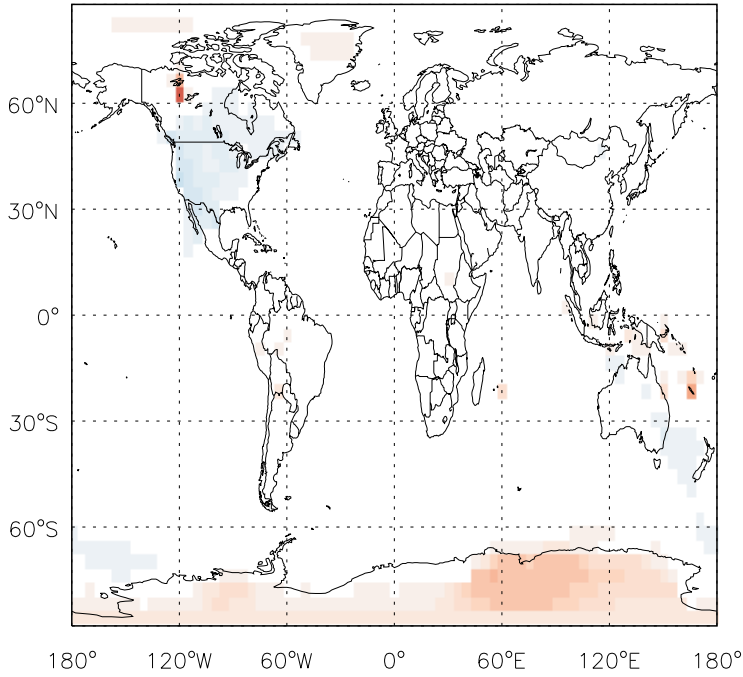
OCPI/ Ratio @ 500 hPa for Oct



# GEOS-Chem Ratio Maps at surface and 500 hPa

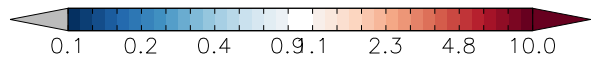
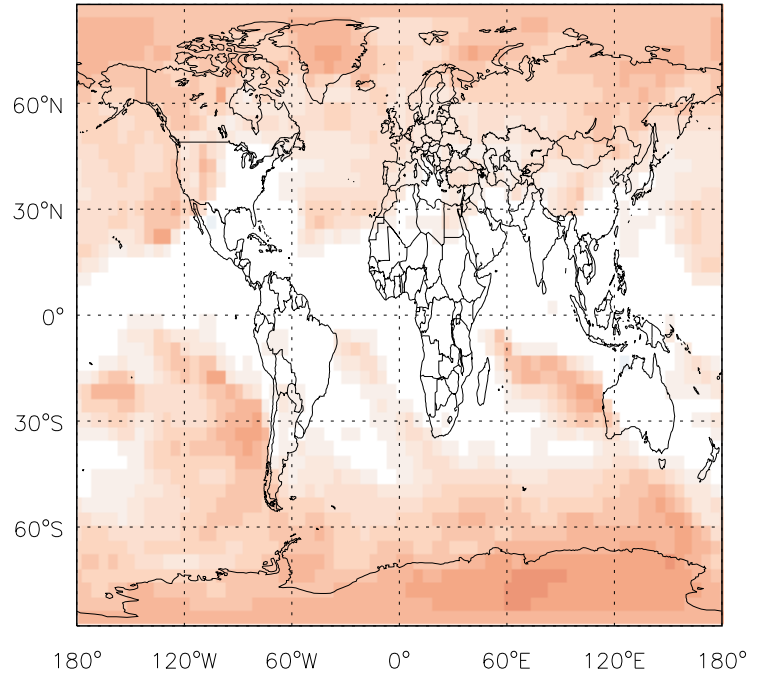
v11-01d-Run0 / v11-01b-Run0

BCPO / Ratio @ Surface for Oct



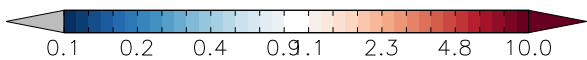
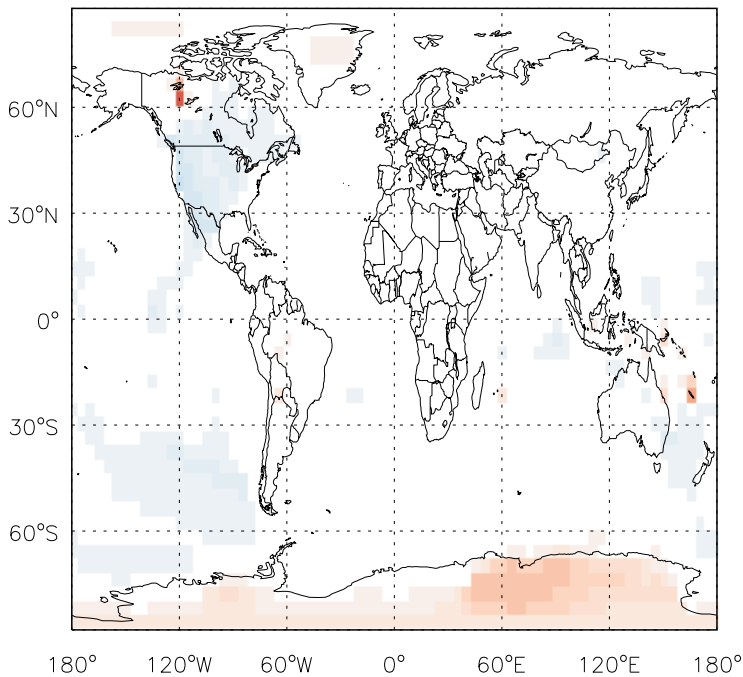
v11-01d-Run0 / v11-01b-Run0

BCPO/ Ratio @ 500 hPa for Oct



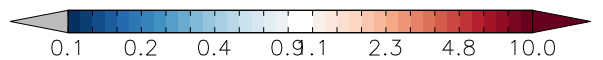
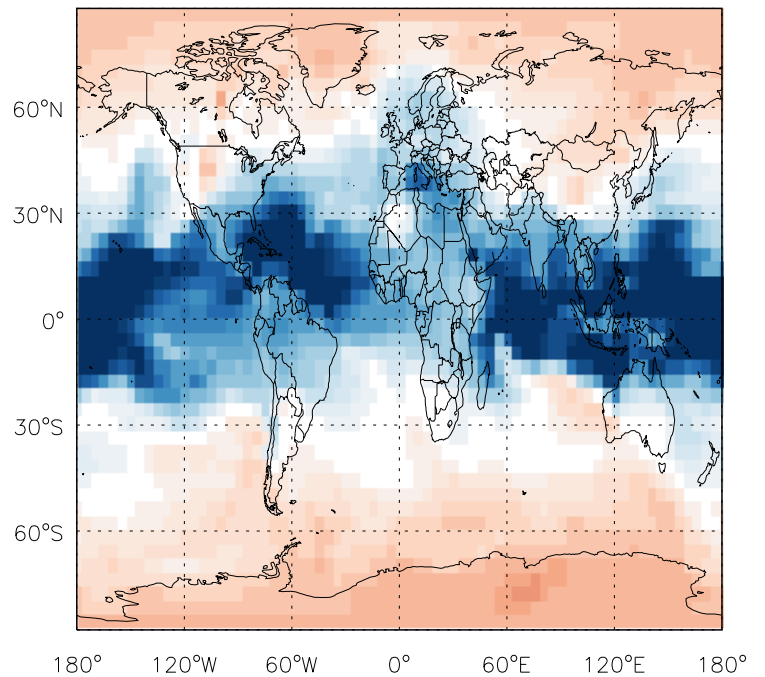
v11-01d-Run0 / v10-01-public-Run0

BCPO / Ratio @ Surface for Oct



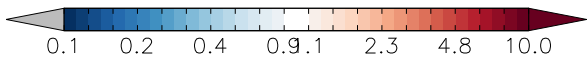
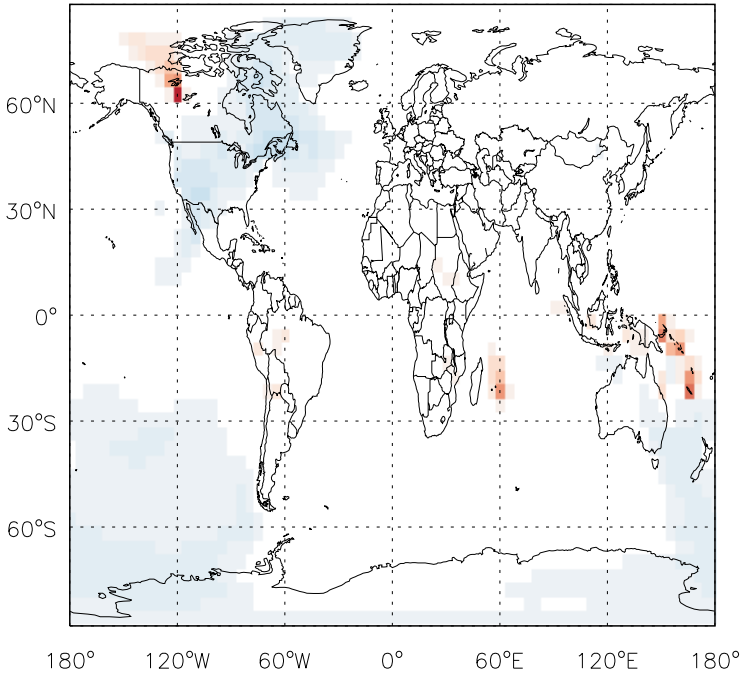
v11-01d-Run0 / v10-01-public-Run0

BCPO/ Ratio @ 500 hPa for Oct

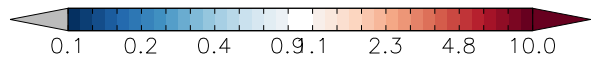
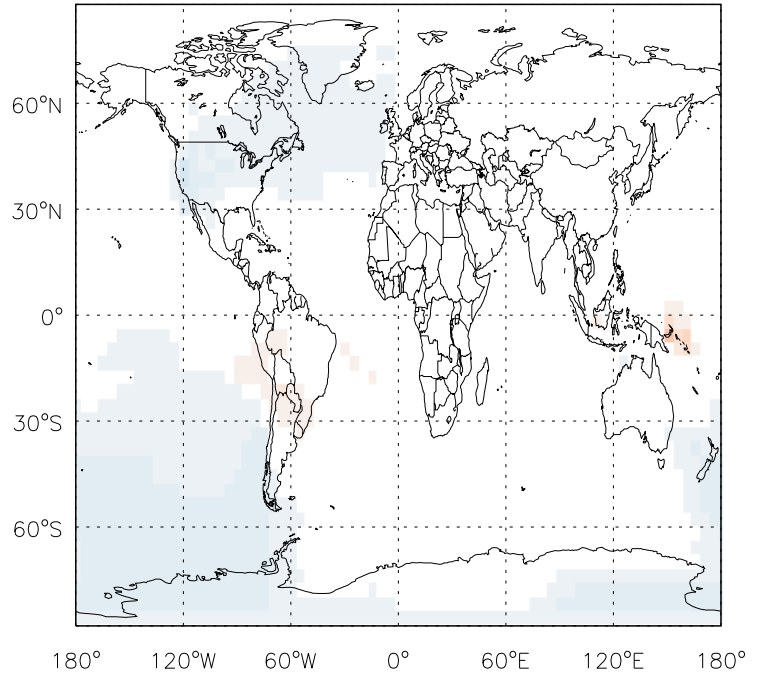


# GEOS-Chem Ratio Maps at surface and 500 hPa

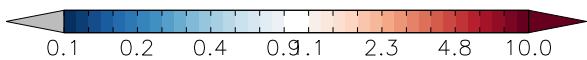
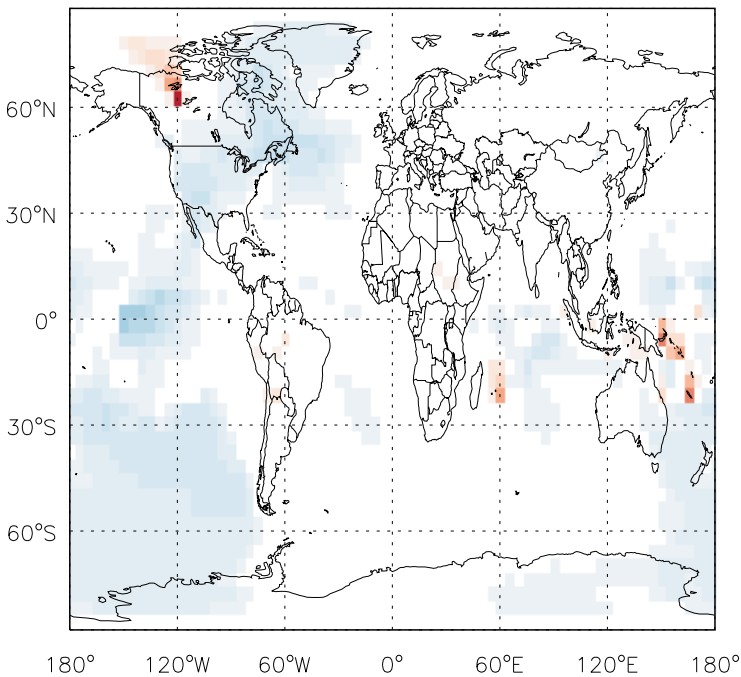
v11-01d-Run0 / v11-01b-Run0  
OCPO / Ratio @ Surface for Oct



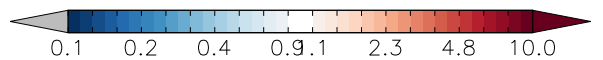
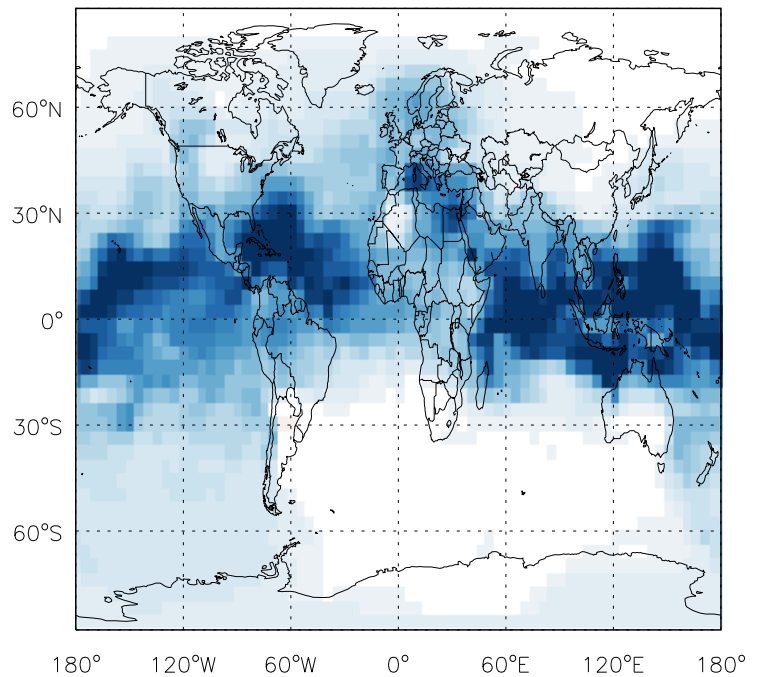
v11-01d-Run0 / v11-01b-Run0  
OCPO / Ratio @ 500 hPa for Oct



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

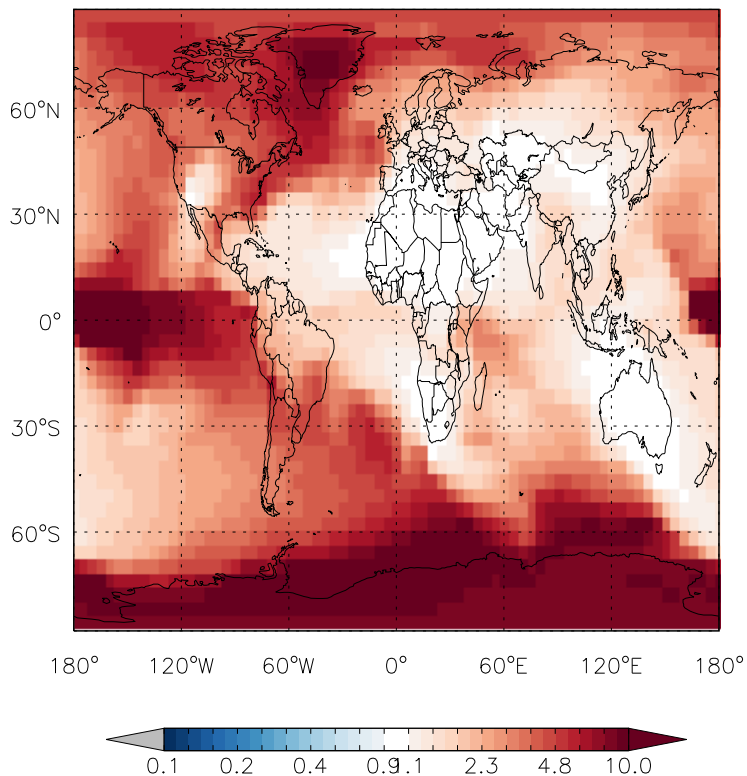


v11-01d-Run0 / v10-01-public-Run0  
OCPO / Ratio @ 500 hPa for Oct

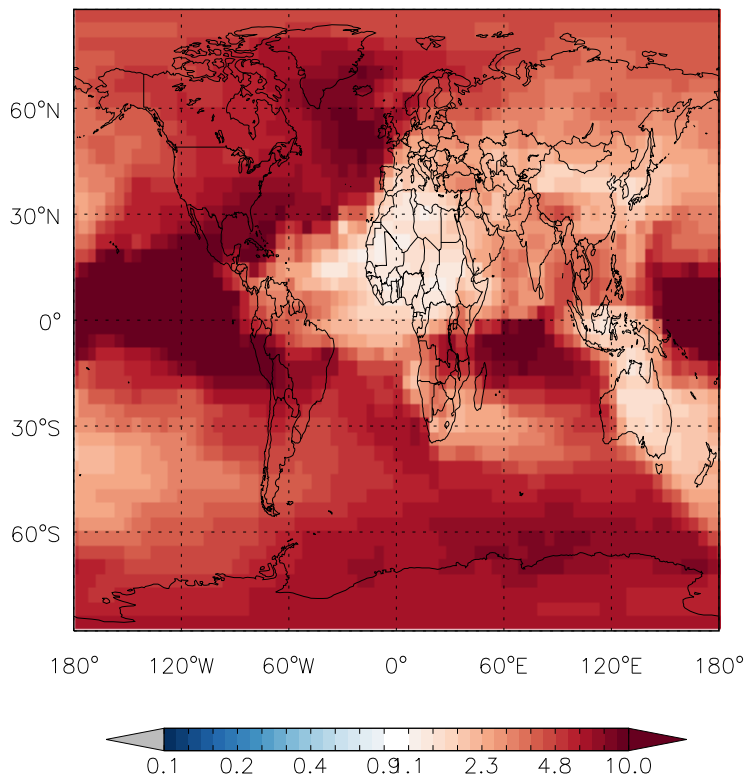


GEOS-Chem Ratio Maps at surface and 500 hPa

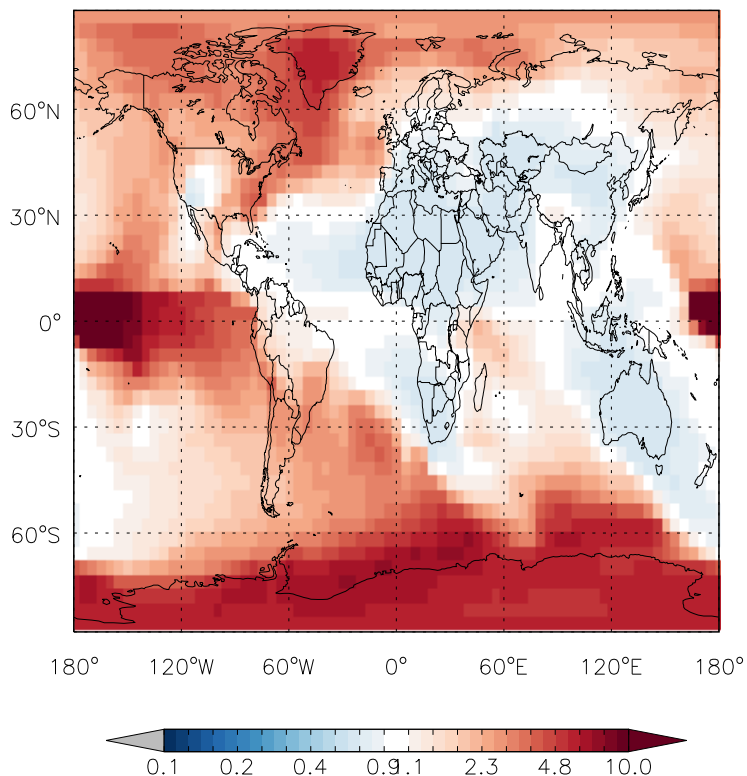
v11-01d-Run0 / v11-01b-Run0  
DST1 / Ratio @ Surface for Oct



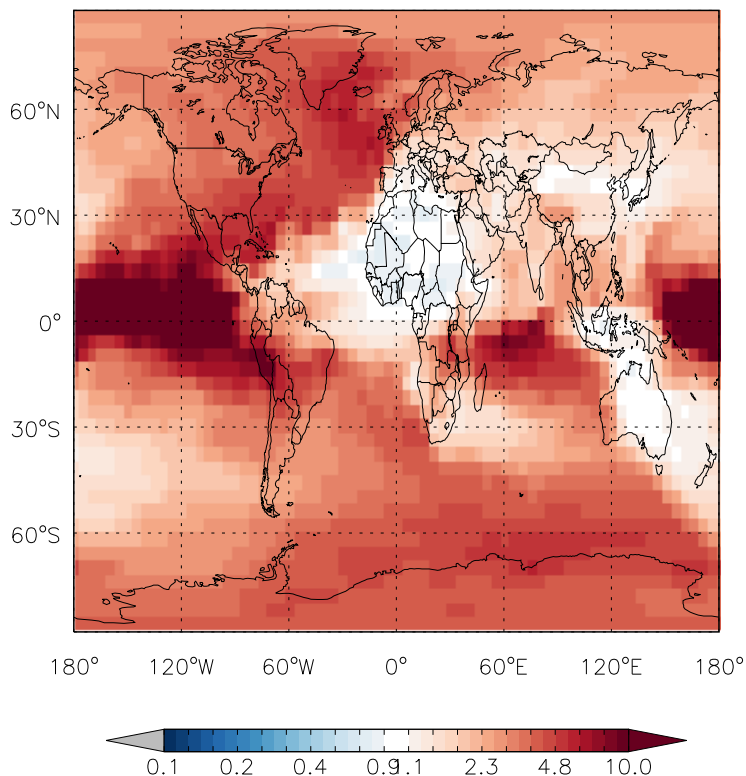
v11-01d-Run0 / v11-01b-Run0  
DST1/ Ratio @ 500 hPa for Oct



v11-01d-Run0 / v10-01-public-Run0  
DST1 / Ratio @ Surface for Oct



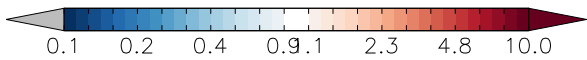
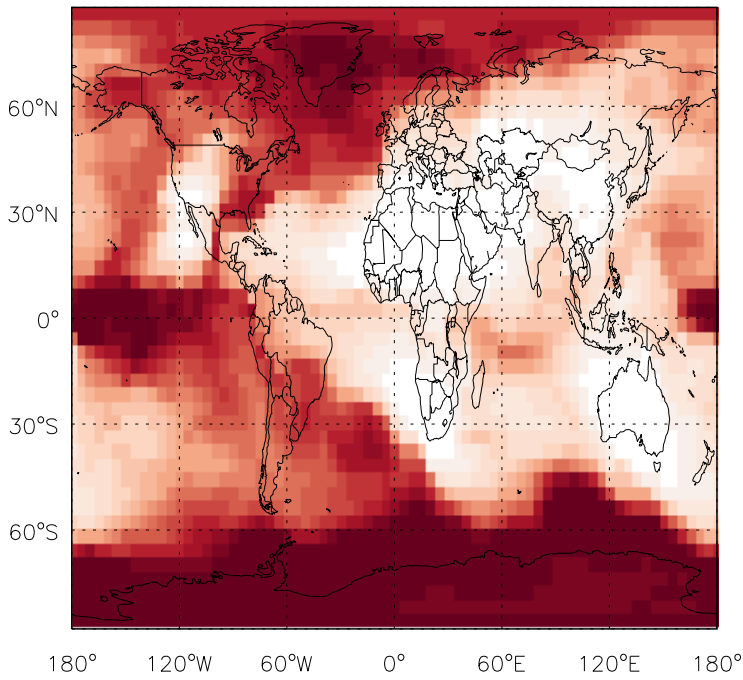
v11-01d-Run0 / v10-01-public-Run0  
DST1/ Ratio @ 500 hPa for Oct



# GEOS-Chem Ratio Maps at surface and 500 hPa

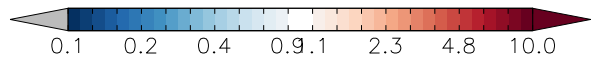
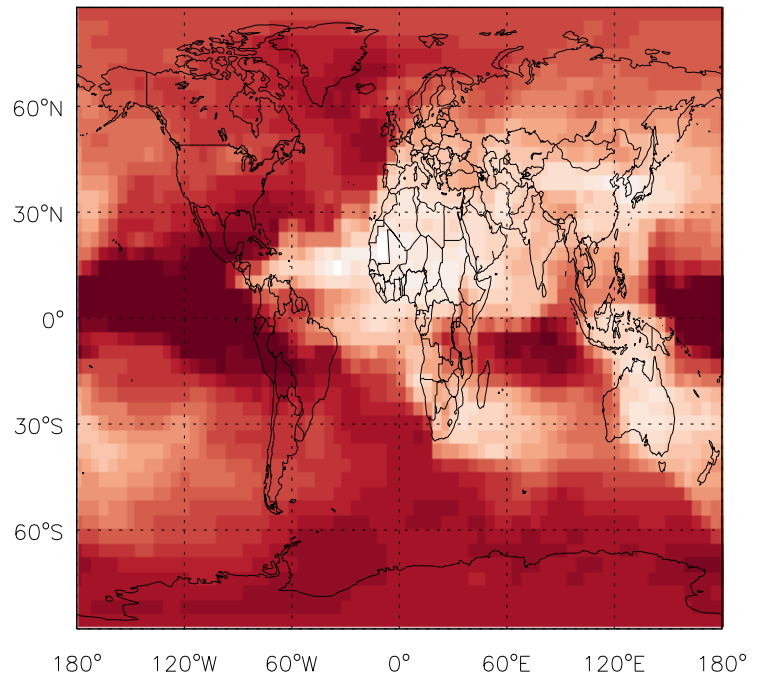
v11-01d-Run0 / v11-01b-Run0

DST2 / Ratio @ Surface for Oct



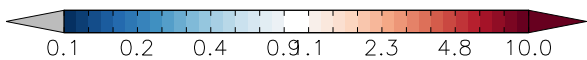
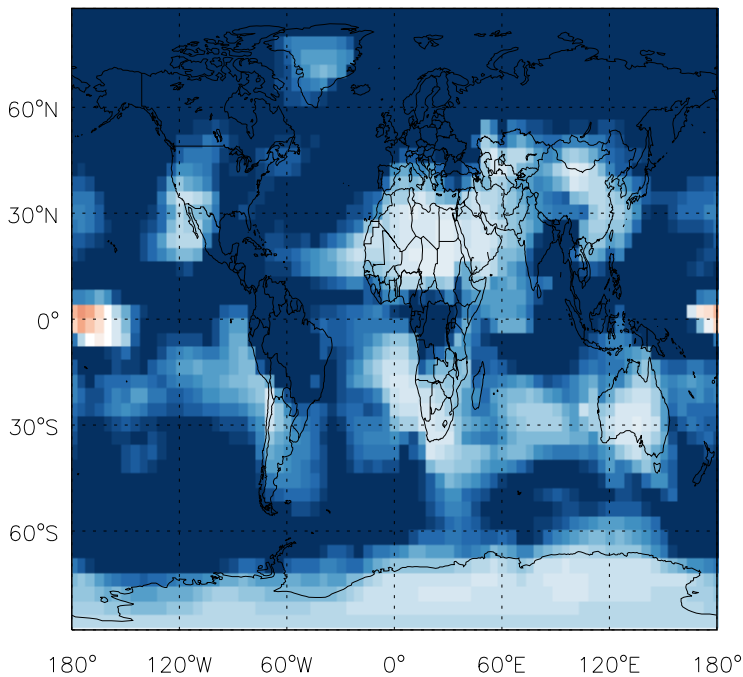
v11-01d-Run0 / v11-01b-Run0

DST2/ Ratio @ 500 hPa for Oct



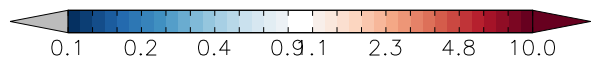
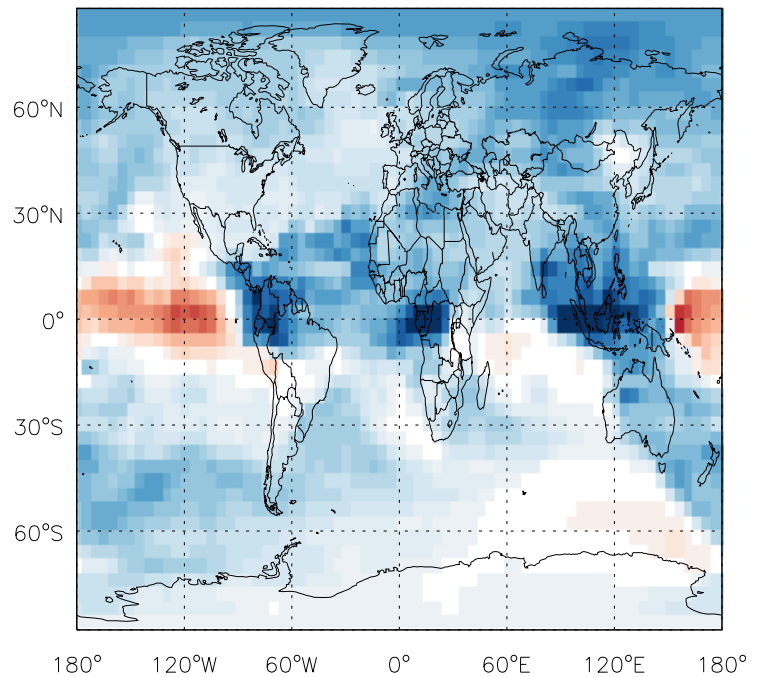
v11-01d-Run0 / v10-01-public-Run0

DST2 / Ratio @ Surface for Oct



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

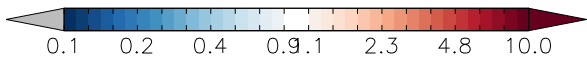
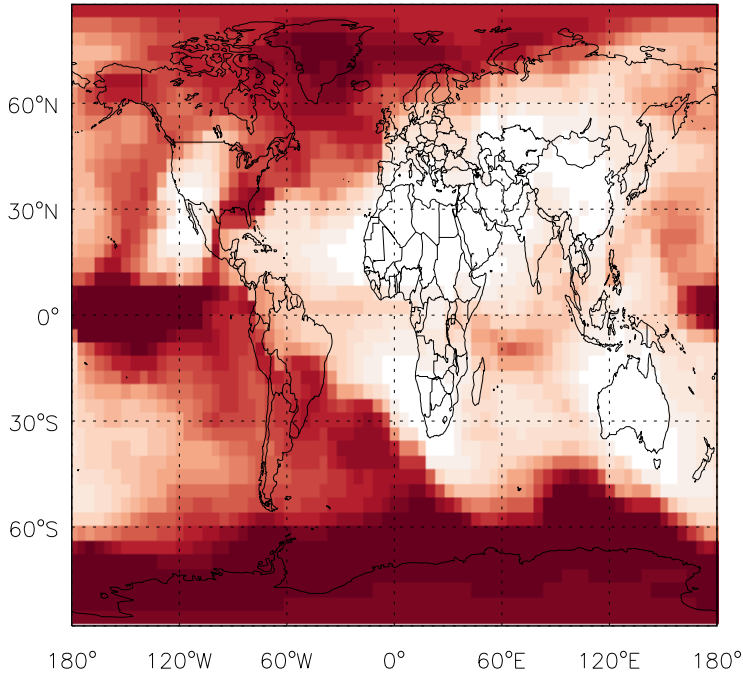
DST2/ Ratio @ 500 hPa for Oct



# GEOS-Chem Ratio Maps at surface and 500 hPa

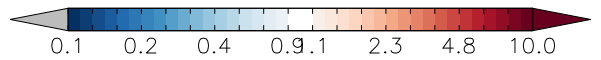
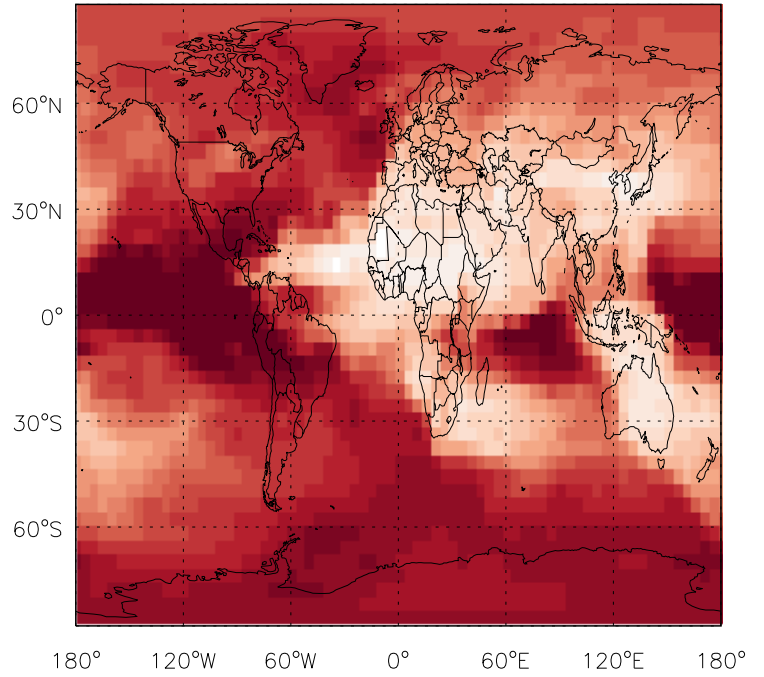
v11-01d-Run0 / v11-01b-Run0

DST3 / Ratio @ Surface for Oct



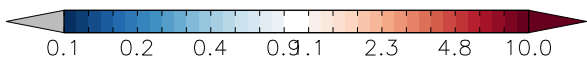
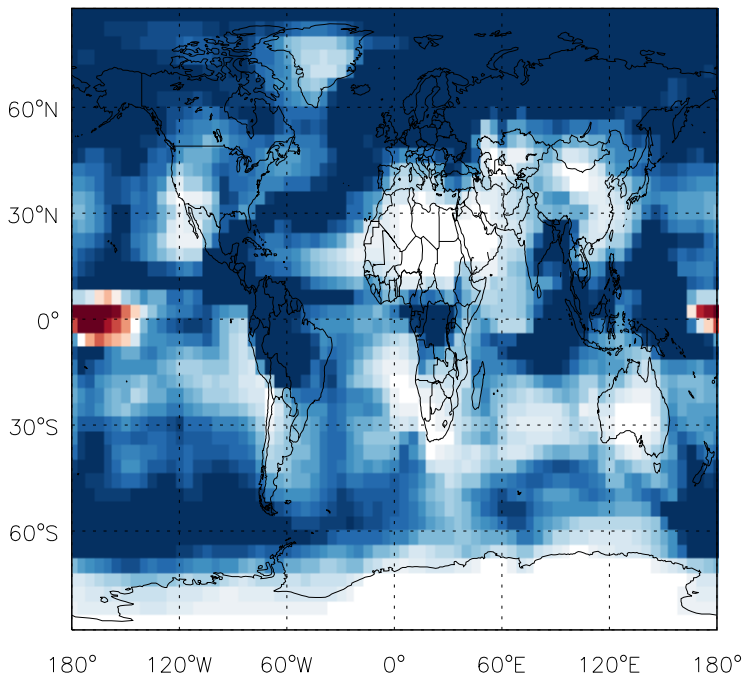
v11-01d-Run0 / v11-01b-Run0

DST3 / Ratio @ 500 hPa for Oct



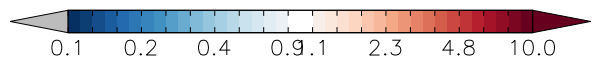
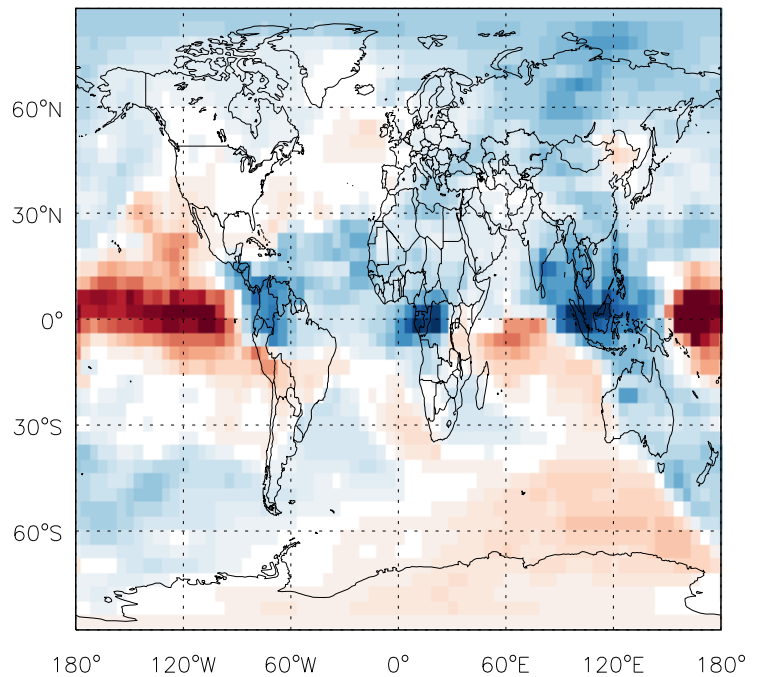
v11-01d-Run0 / v10-01-public-Run0

DST3 / Ratio @ Surface for Oct



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

DST3 / Ratio @ 500 hPa for Oct

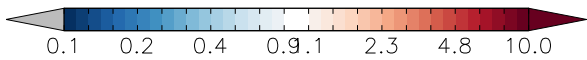
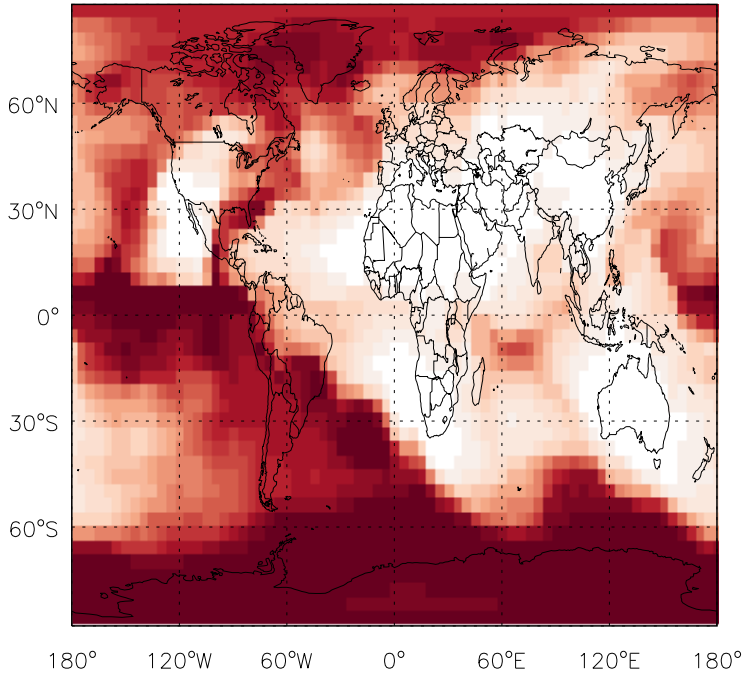




GEOS-Chem Ratio Maps at surface and 500 hPa

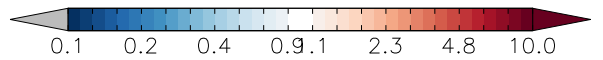
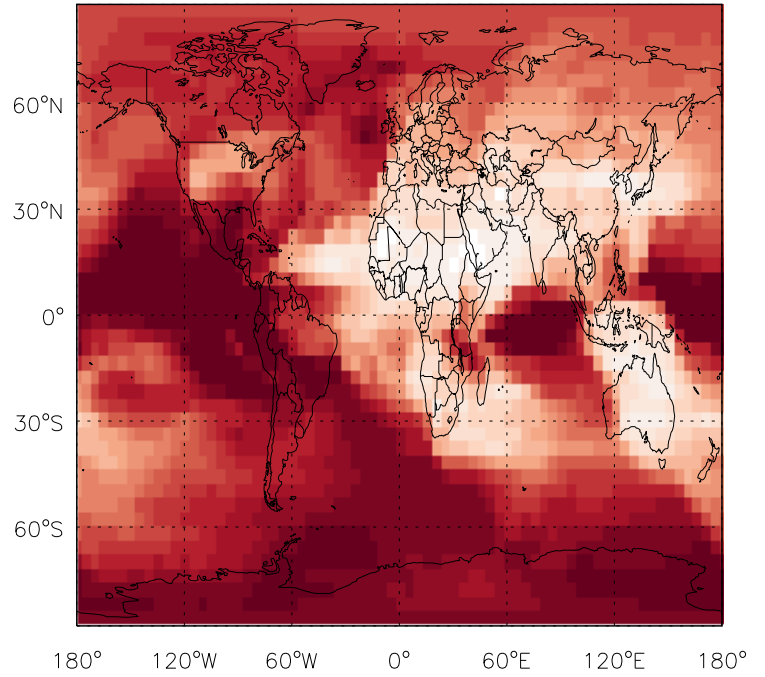
v11-01d-Run0 / v11-01b-Run0

DST4 / Ratio @ Surface for Oct



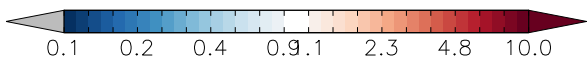
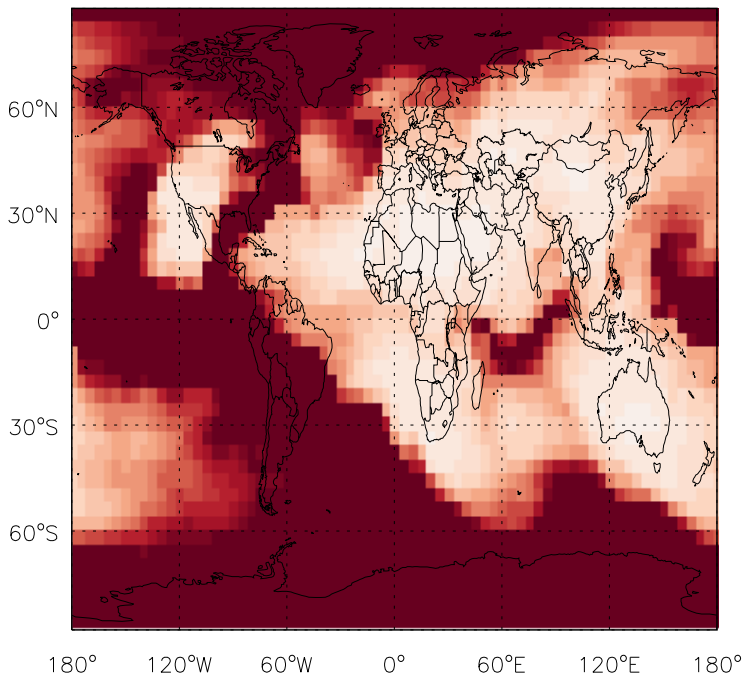
v11-01d-Run0 / v11-01b-Run0

DST4/ Ratio @ 500 hPa for Oct



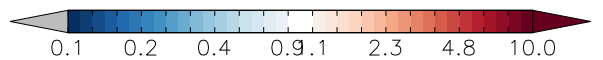
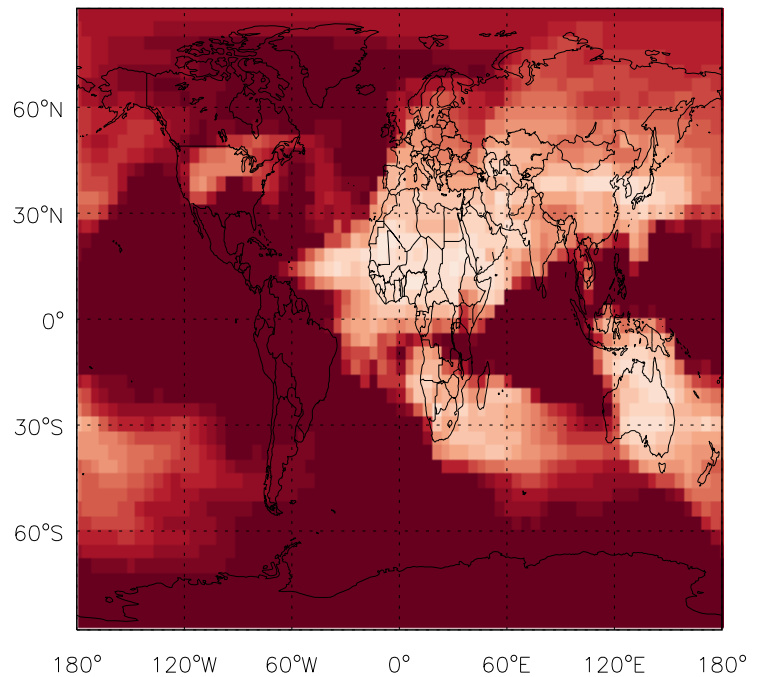
v11-01d-Run0 / v10-01-public-Run0

DST4 / Ratio @ Surface for Oct



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

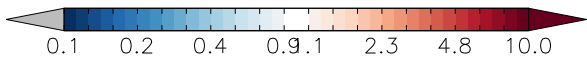
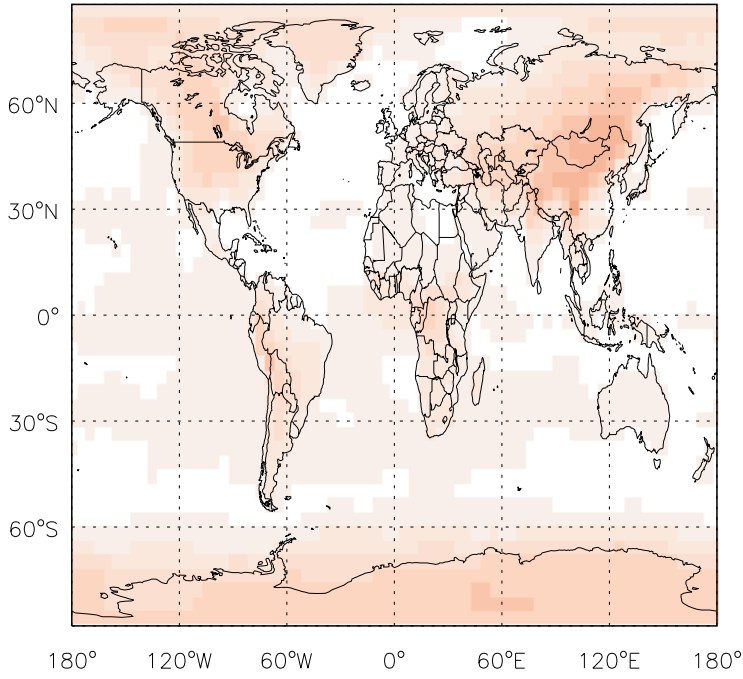
DST4/ Ratio @ 500 hPa for Oct



# GEOS-Chem Ratio Maps at surface and 500 hPa

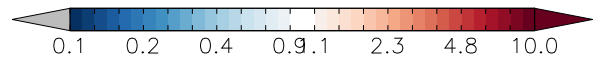
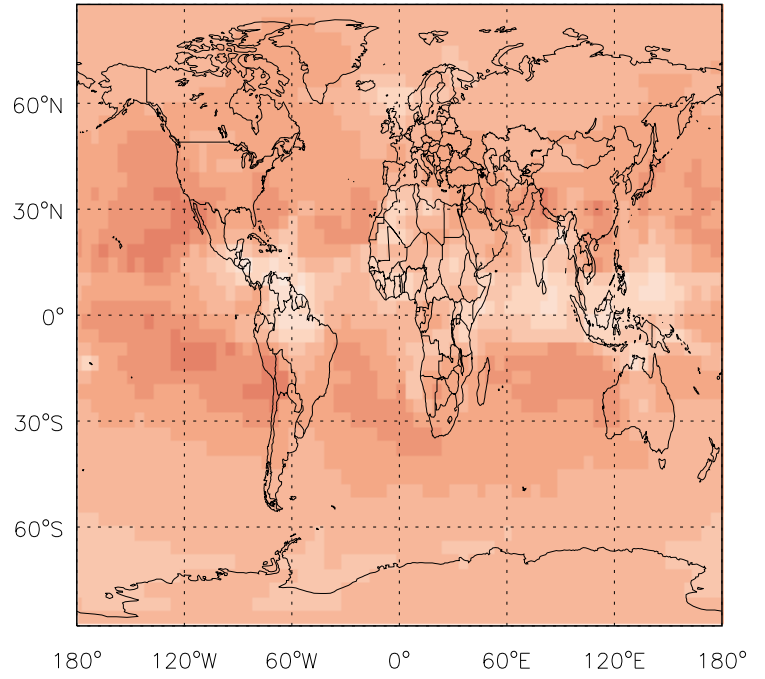
v11-01d-Run0 / v11-01b-Run0

SALA / Ratio @ Surface for Oct



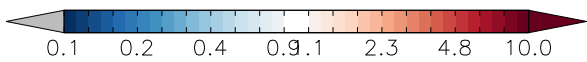
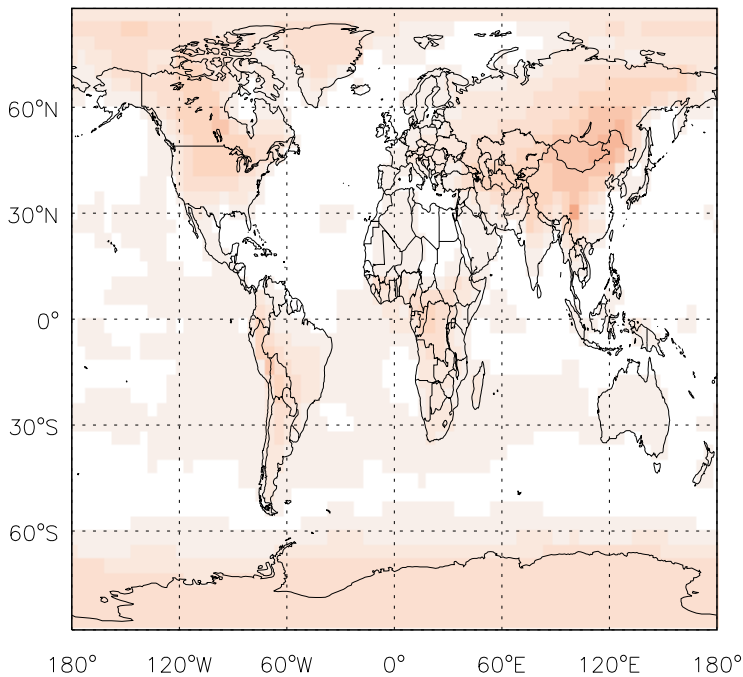
v11-01d-Run0 / v11-01b-Run0

SALA/ Ratio @ 500 hPa for Oct



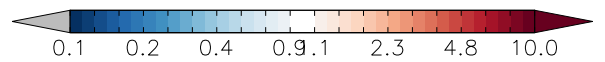
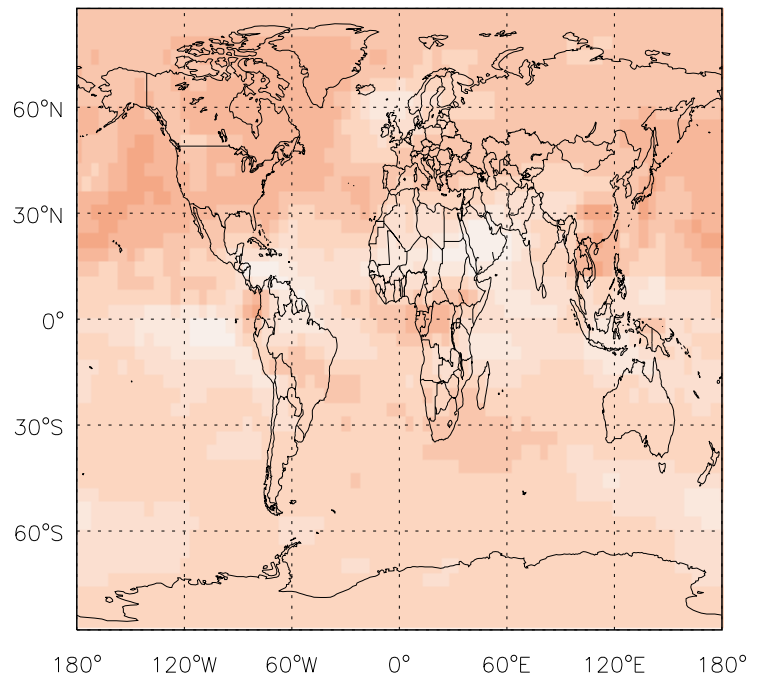
v11-01d-Run0 / v10-01-public-Run0

SALA / Ratio @ Surface for Oct



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

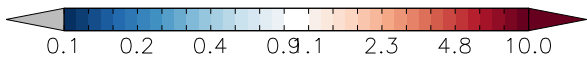
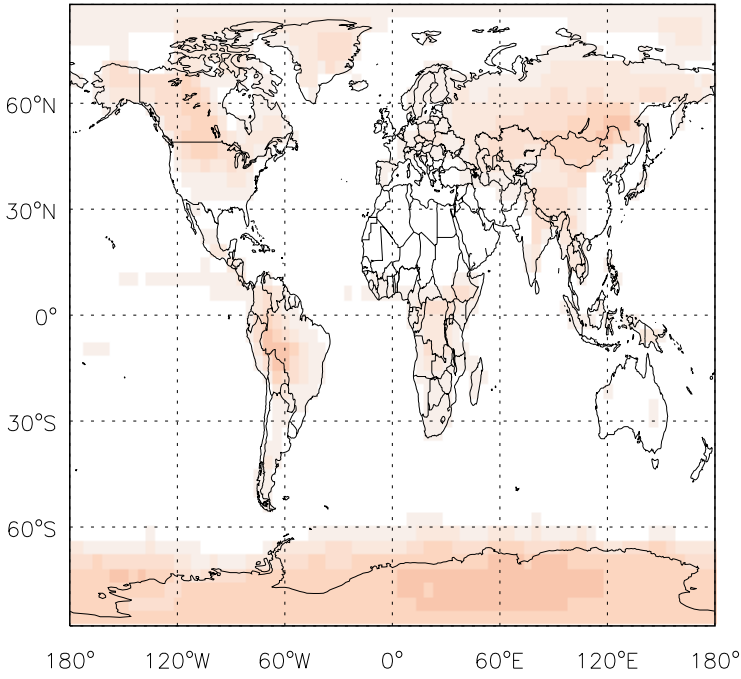
SALA/ Ratio @ 500 hPa for Oct



# GEOS-Chem Ratio Maps at surface and 500 hPa

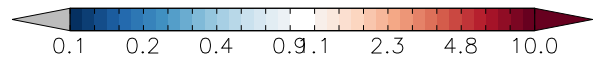
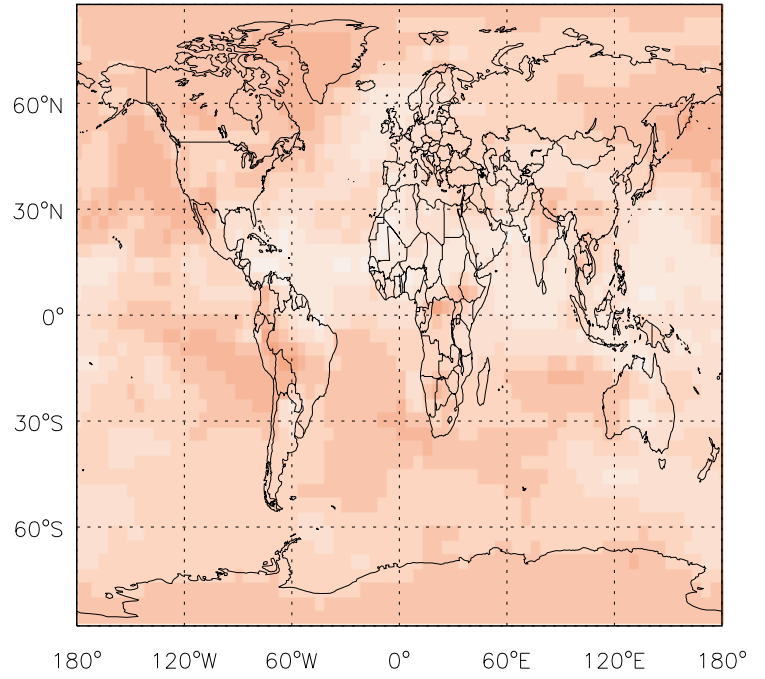
v11-01d-Run0 / v11-01b-Run0

SALC / Ratio @ Surface for Oct



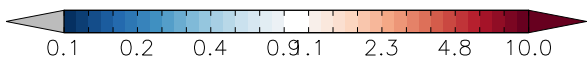
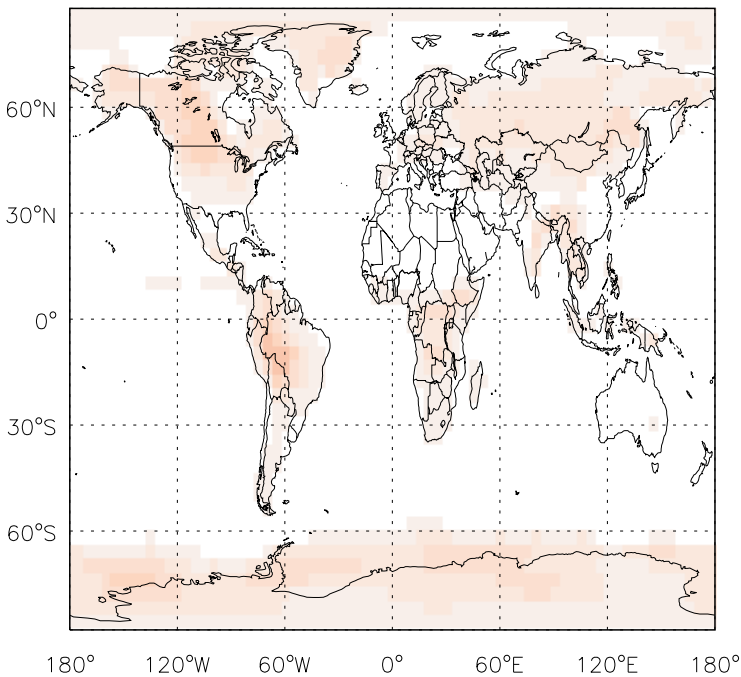
v11-01d-Run0 / v11-01b-Run0

SALC / Ratio @ 500 hPa for Oct



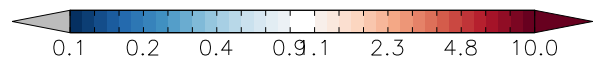
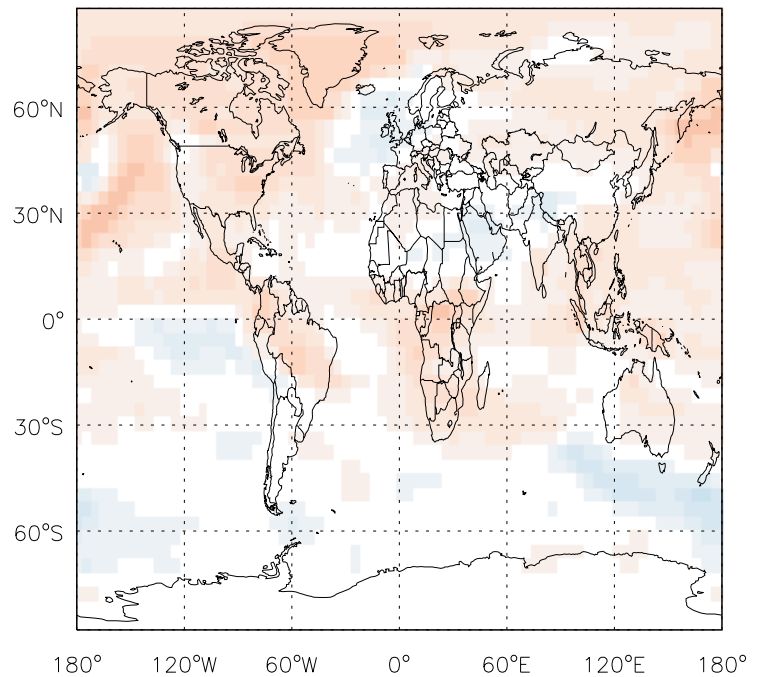
v11-01d-Run0 / v10-01-public-Run0

SALC / Ratio @ Surface for Oct



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

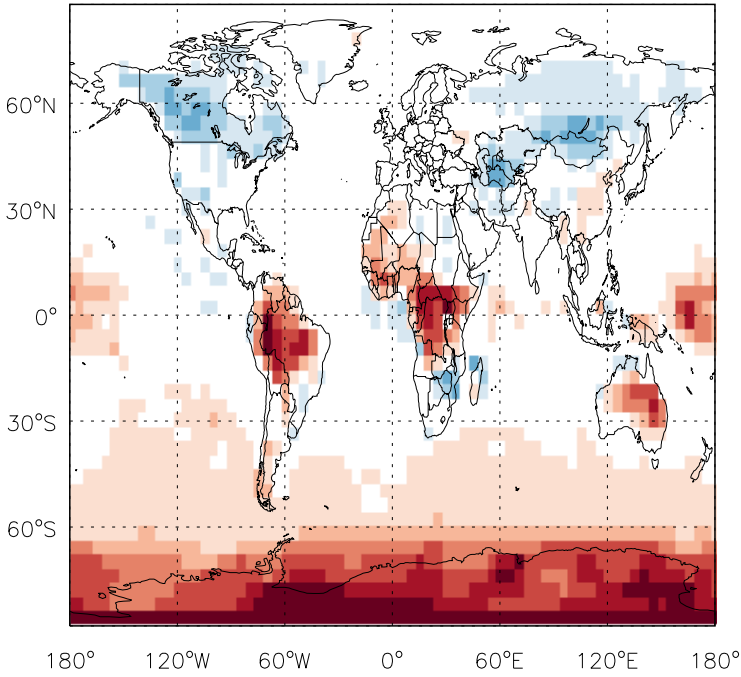
SALC / Ratio @ 500 hPa for Oct



GEOS-Chem Ratio Maps at surface and 500 hPa

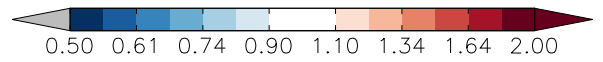
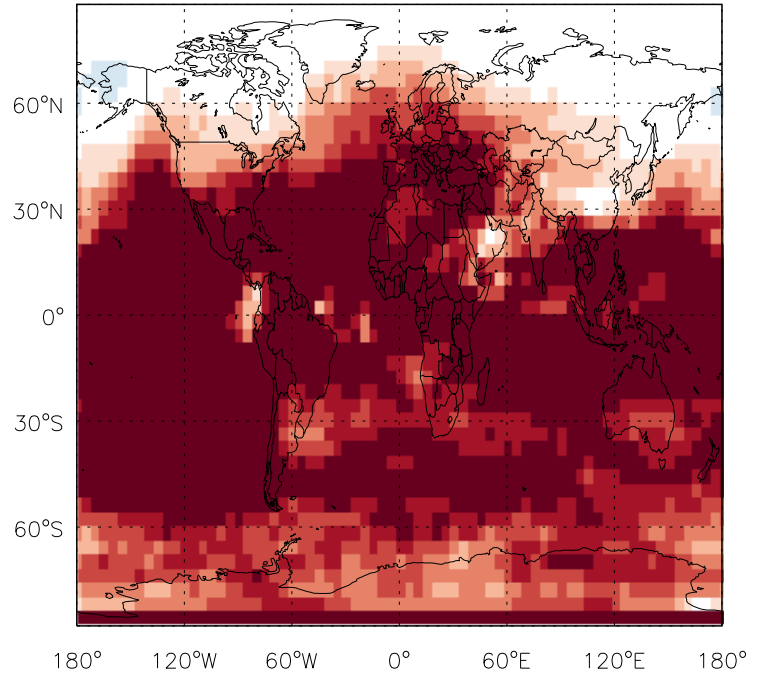
v11-01d-Run0 / v11-01b-Run0

Br2 / Ratio @ Surface for Oct



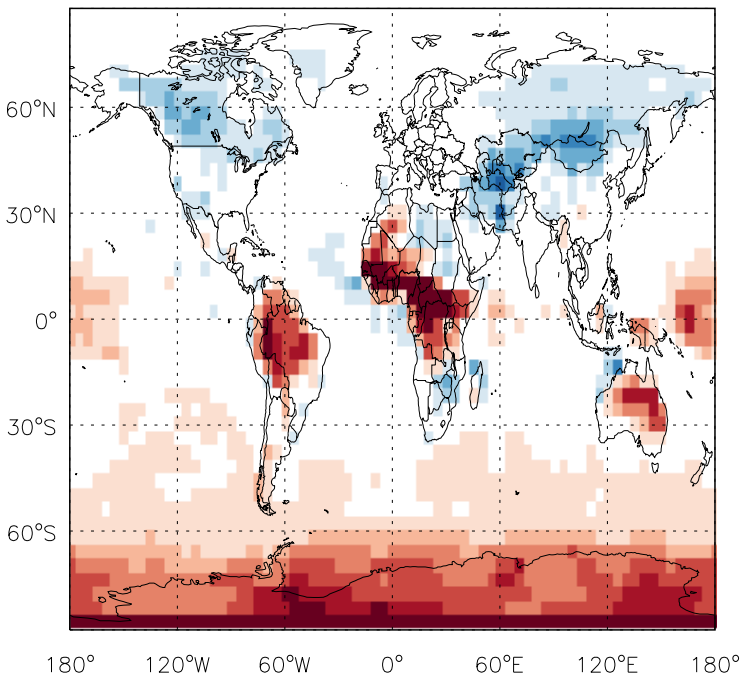
v11-01d-Run0 / v11-01b-Run0

Br2/ Ratio @ 500 hPa for Oct



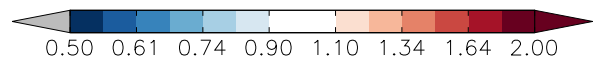
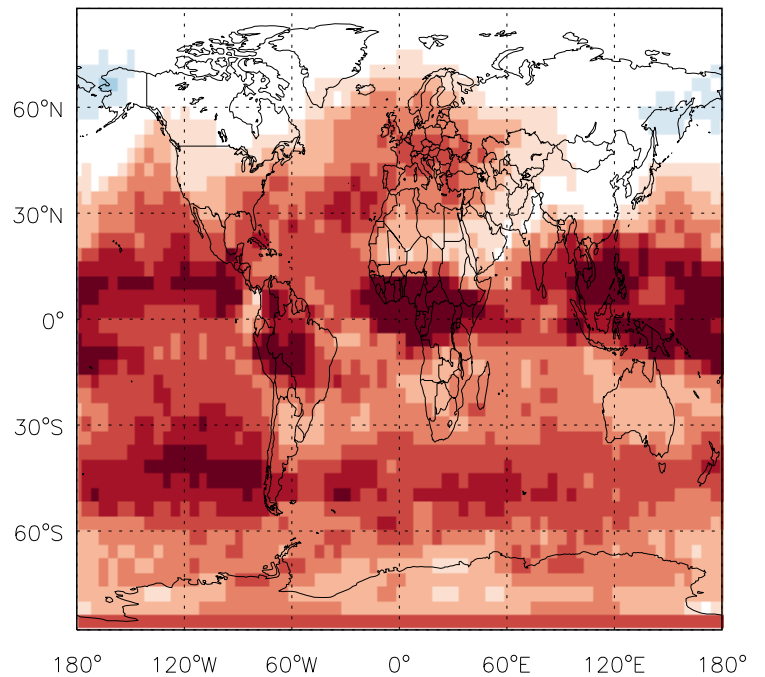
v11-01d-Run0 / v10-01-public-Run0

Br2 / Ratio @ Surface for Oct



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

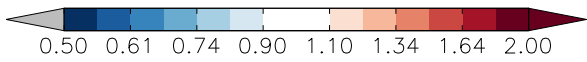
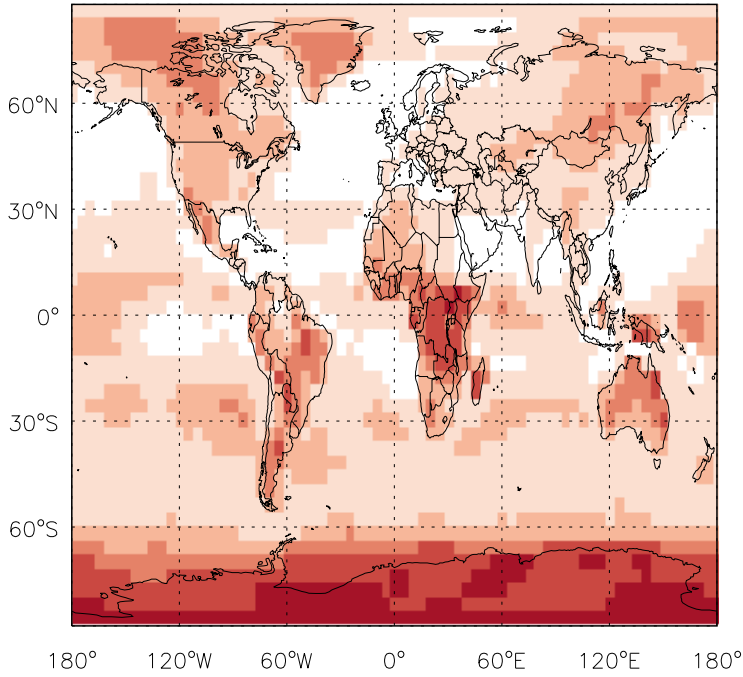
Br2/ Ratio @ 500 hPa for Oct



# GEOS-Chem Ratio Maps at surface and 500 hPa

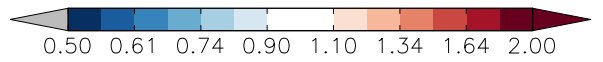
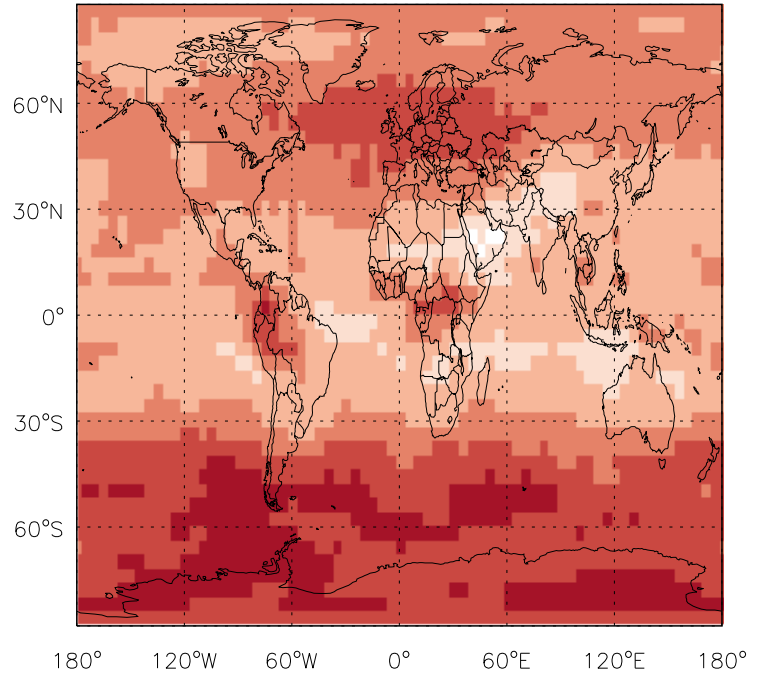
v11-01d-Run0 / v11-01b-Run0

Br / Ratio @ Surface for Oct



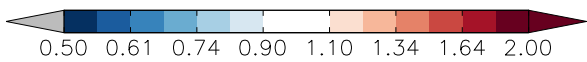
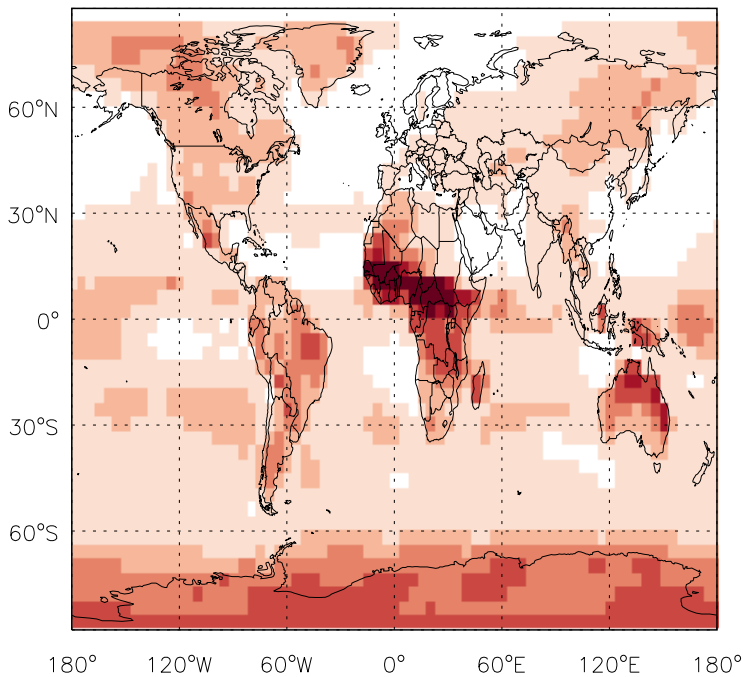
v11-01d-Run0 / v11-01b-Run0

Br / Ratio @ 500 hPa for Oct



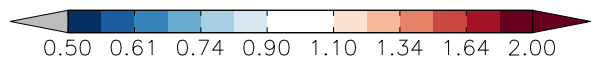
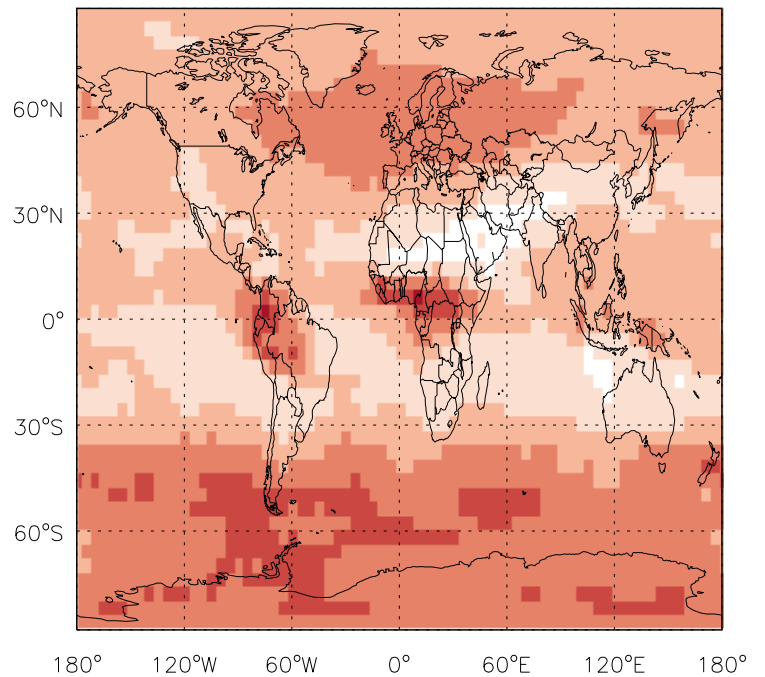
v11-01d-Run0 / v10-01-public-Run0

Br / Ratio @ Surface for Oct



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

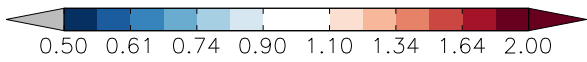
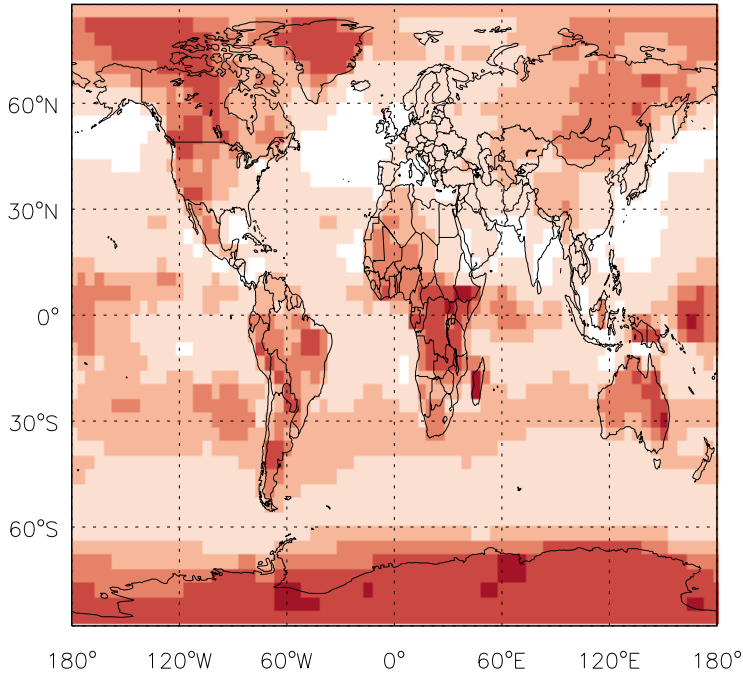
Br / Ratio @ 500 hPa for Oct



GEOS-Chem Ratio Maps at surface and 500 hPa

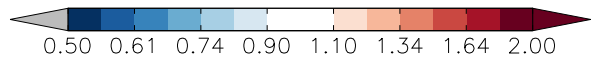
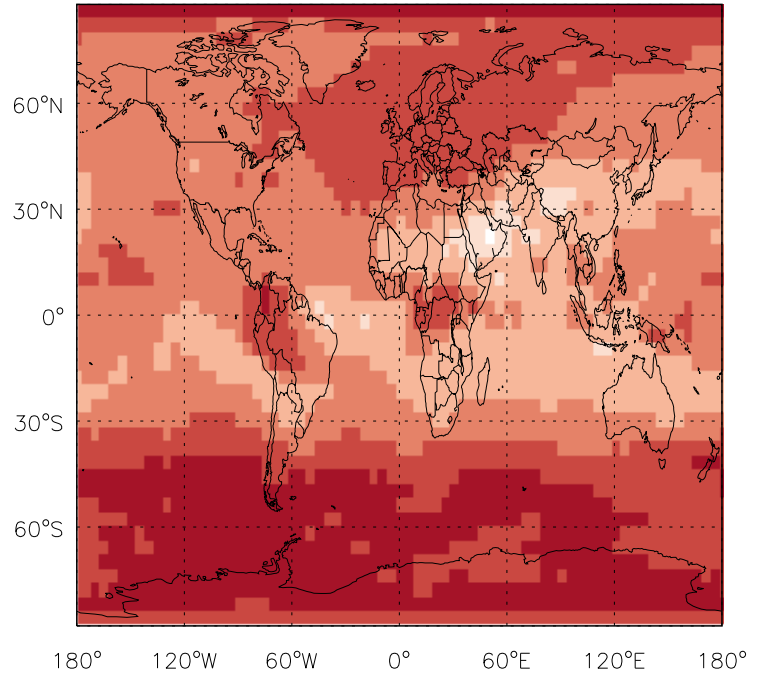
v11-01d-Run0 / v11-01b-Run0

BrO / Ratio @ Surface for Oct



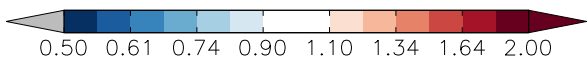
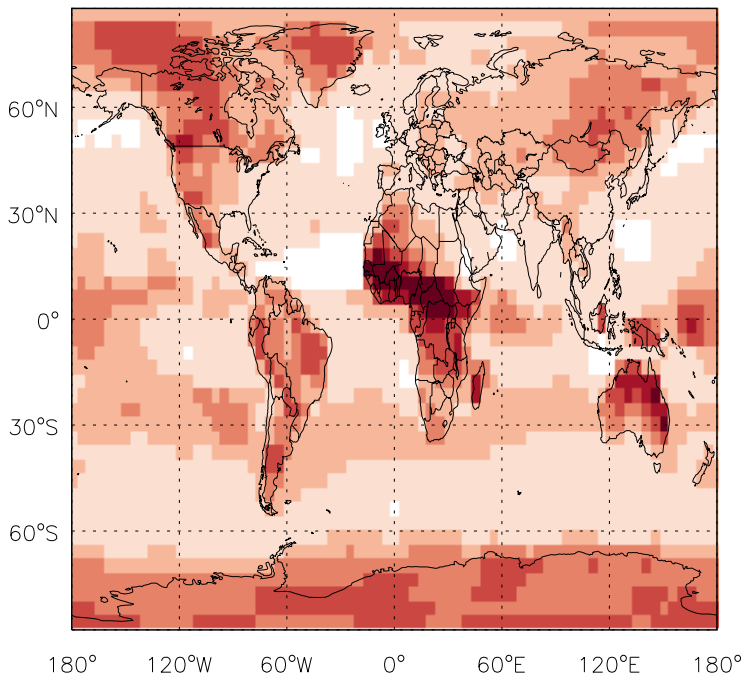
v11-01d-Run0 / v11-01b-Run0

BrO/ Ratio @ 500 hPa for Oct



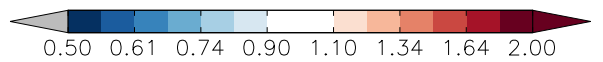
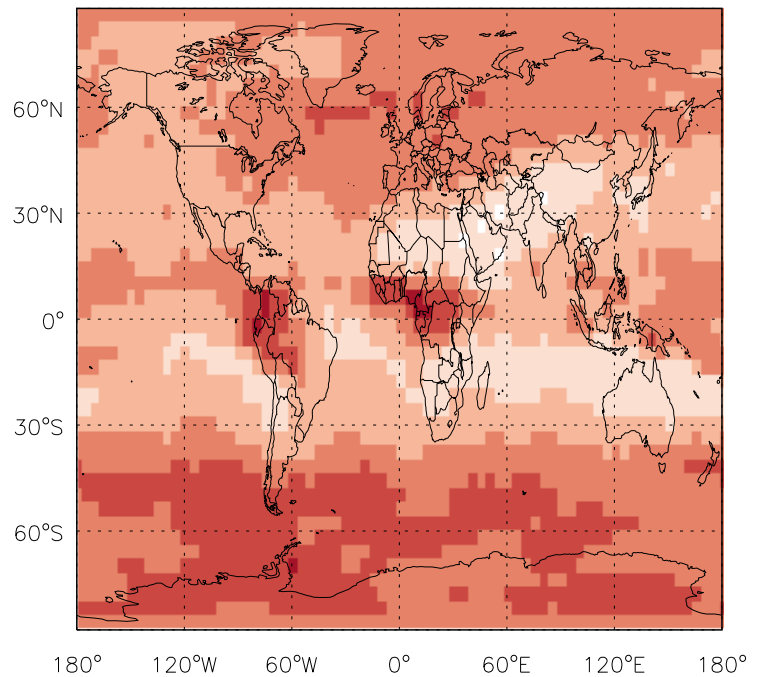
v11-01d-Run0 / v10-01-public-Run0

BrO / Ratio @ Surface for Oct



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

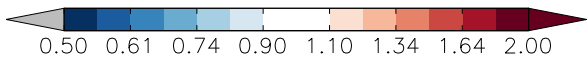
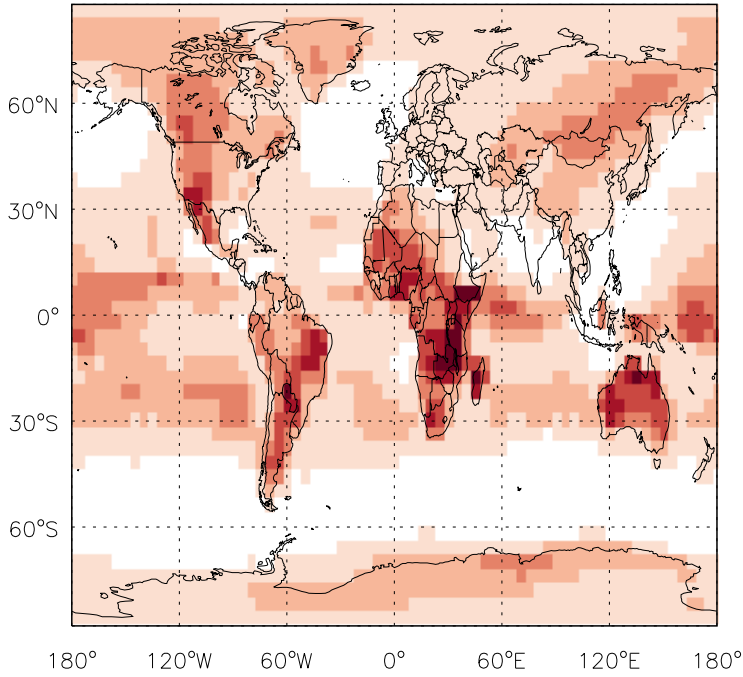
BrO/ Ratio @ 500 hPa for Oct



GEOS-Chem Ratio Maps at surface and 500 hPa

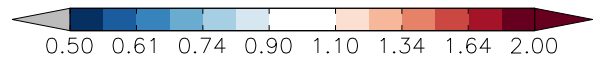
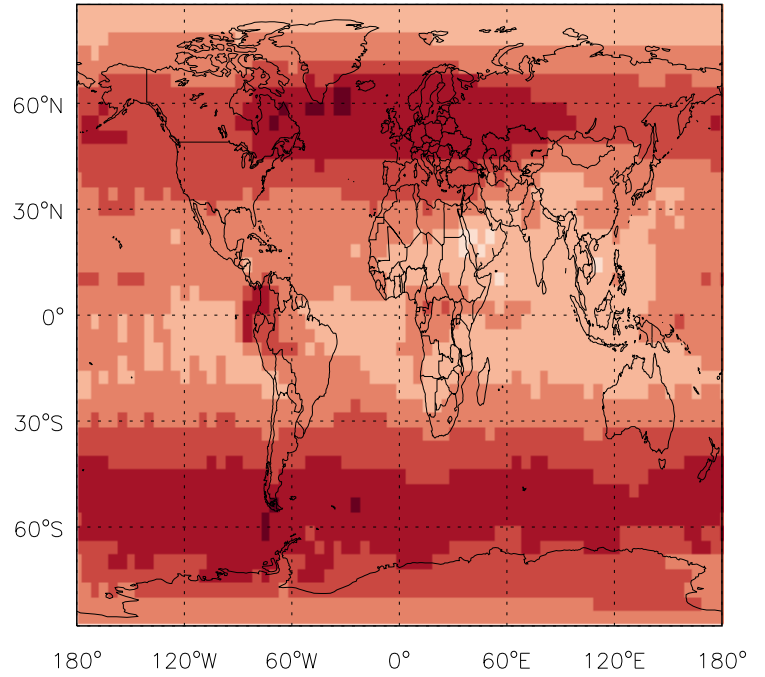
v11-01d-Run0 / v11-01b-Run0

HOBr / Ratio @ Surface for Oct



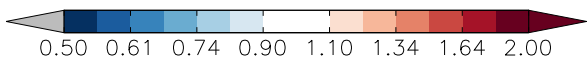
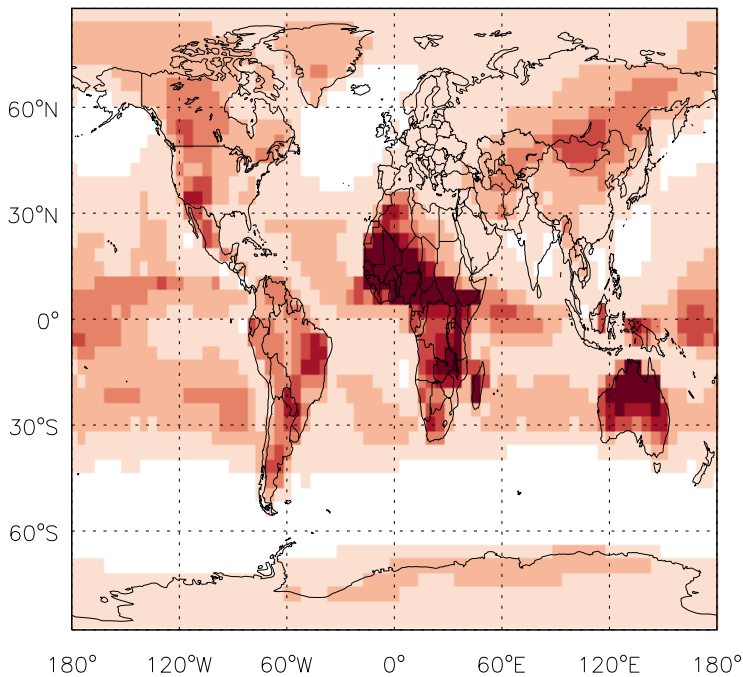
v11-01d-Run0 / v11-01b-Run0

HOBr/ Ratio @ 500 hPa for Oct



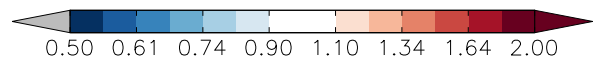
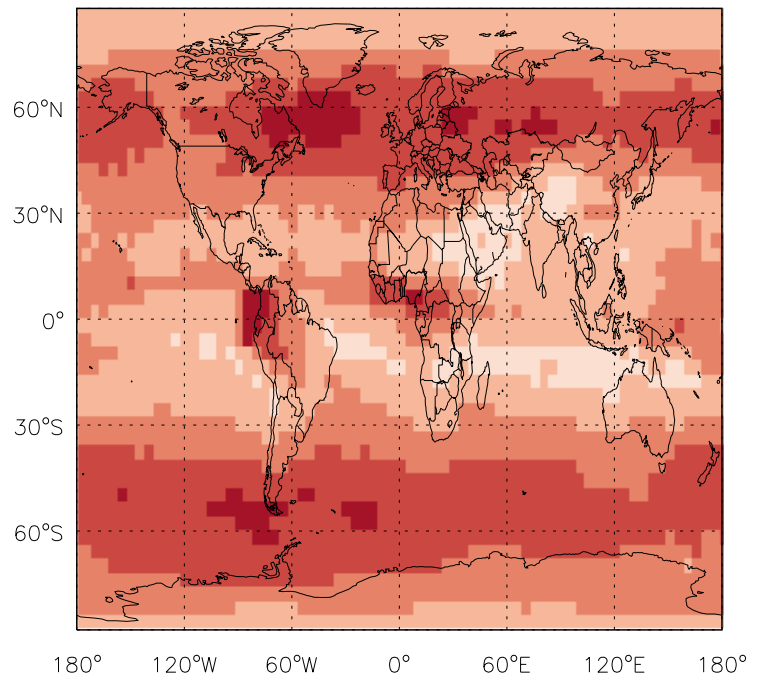
v11-01d-Run0 / v10-01-public-Run0

HOBr / Ratio @ Surface for Oct



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

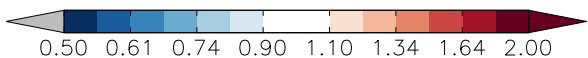
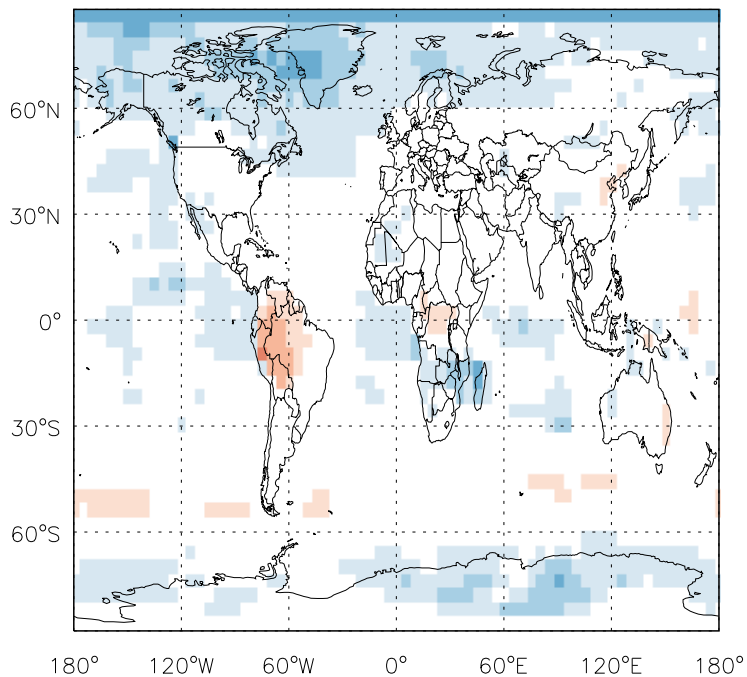
HOBr/ Ratio @ 500 hPa for Oct



# GEOS-Chem Ratio Maps at surface and 500 hPa

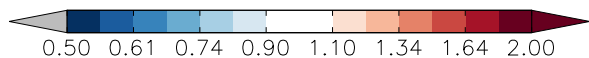
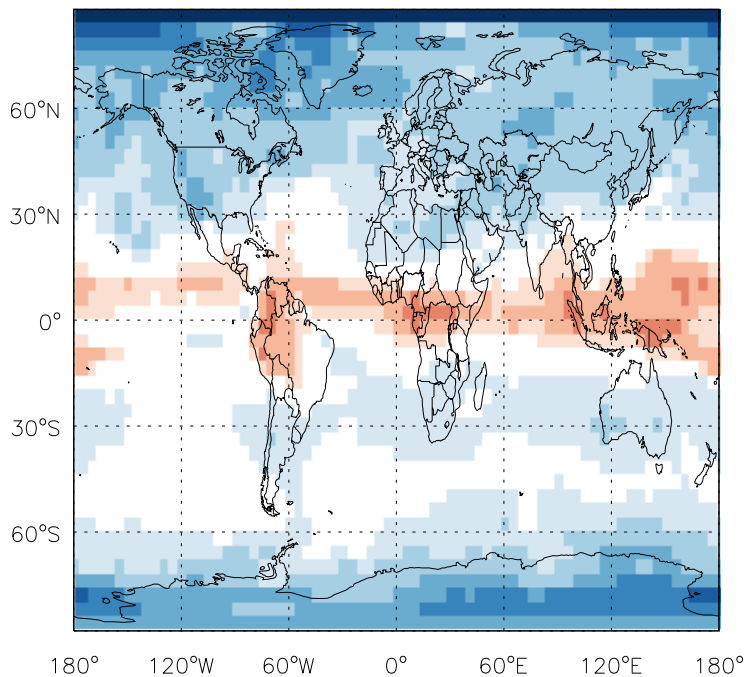
v11-01d-Run0 / v11-01b-Run0

HBr / Ratio @ Surface for Oct



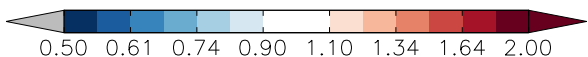
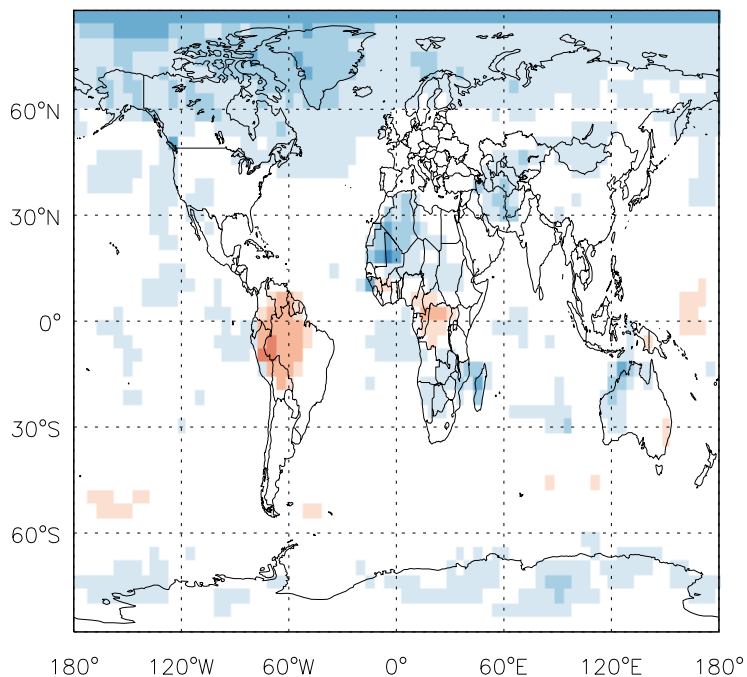
v11-01d-Run0 / v11-01b-Run0

HBr/ Ratio @ 500 hPa for Oct



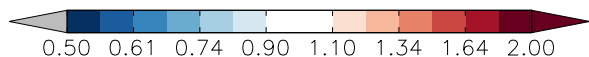
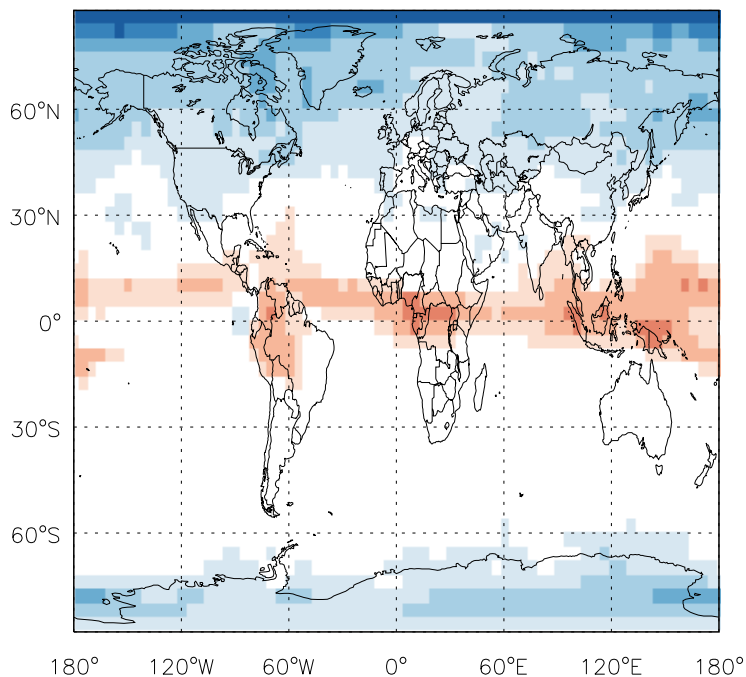
v11-01d-Run0 / v10-01-public-Run0

HBr / Ratio @ Surface for Oct



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

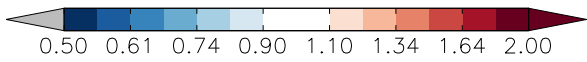
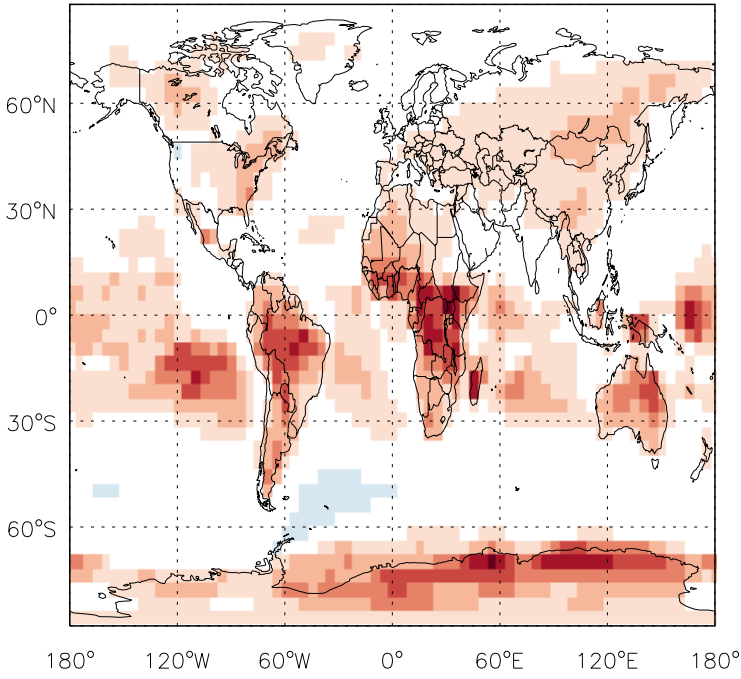
HBr/ Ratio @ 500 hPa for Oct



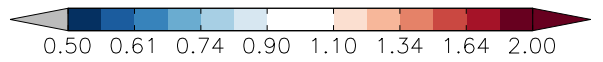
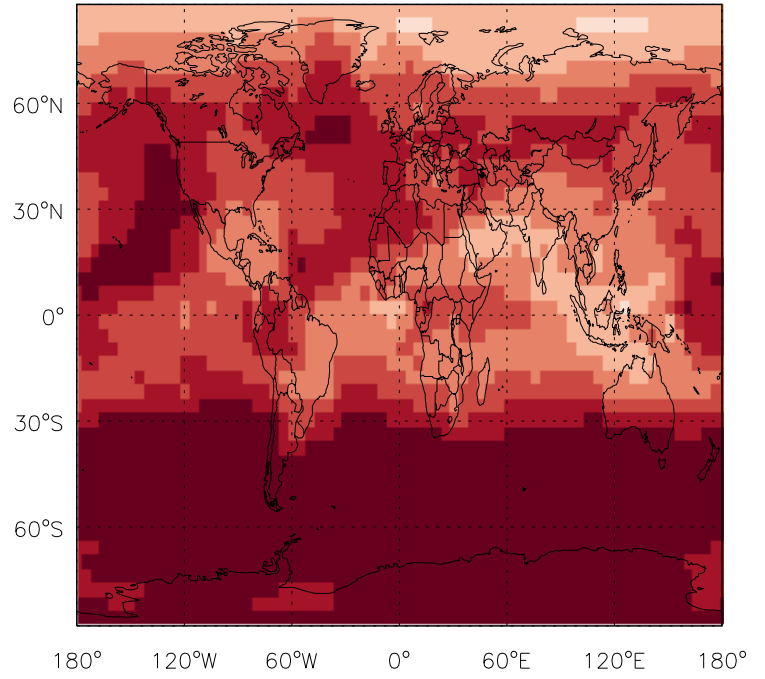


GEOS-Chem Ratio Maps at surface and 500 hPa

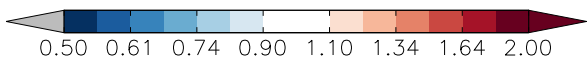
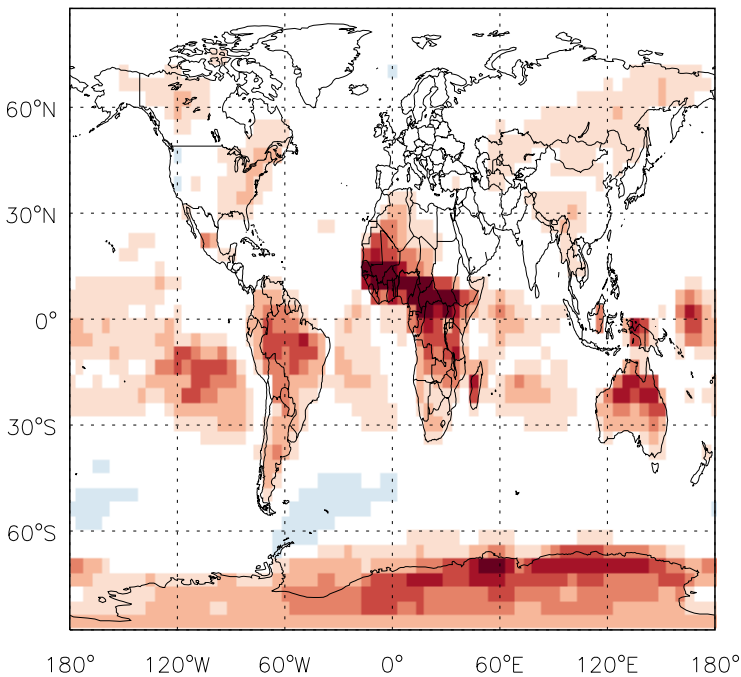
v11-01d-Run0 / v11-01b-Run0  
BrNO2 / Ratio @ Surface for Oct



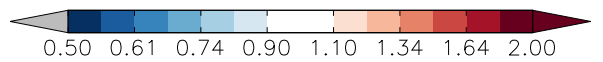
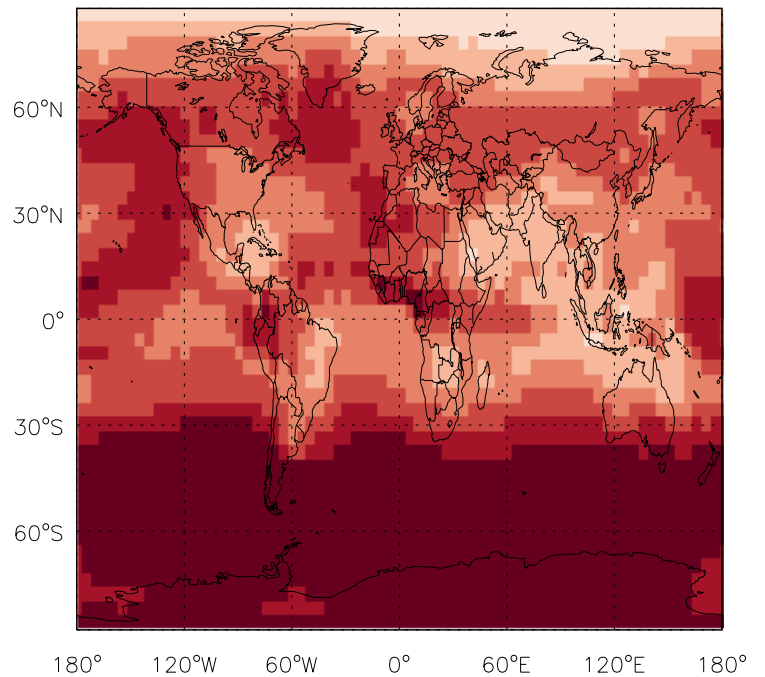
v11-01d-Run0 / v11-01b-Run0  
BrNO2/ Ratio @ 500 hPa for Oct



v11-01d-Run0 / v10-01-public-Run0  
BrNO2 / Ratio @ Surface for Oct

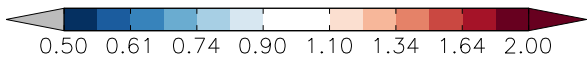
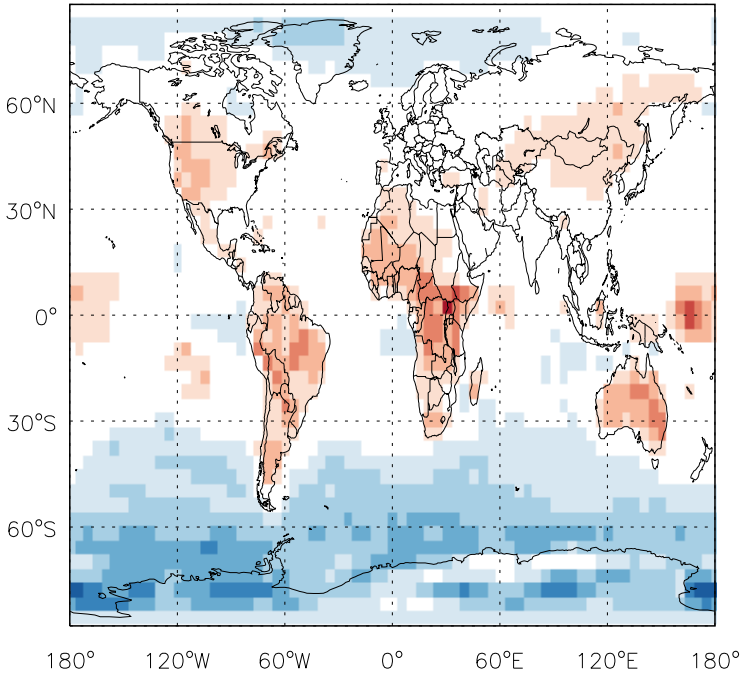


v11-01d-Run0 / v10-01-public-Run0  
BrNO2/ Ratio @ 500 hPa for Oct

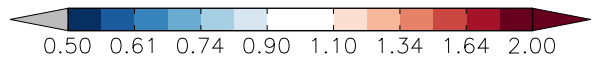
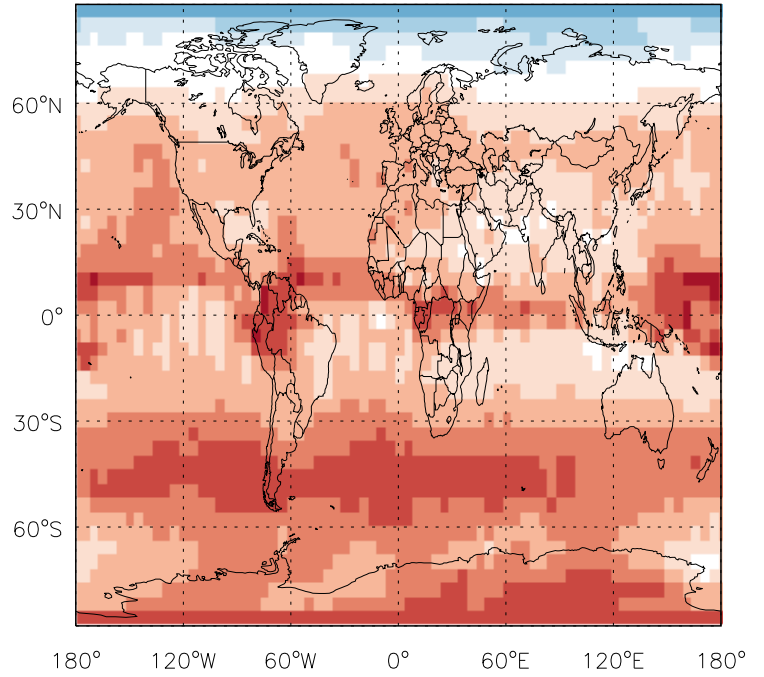


GEOS-Chem Ratio Maps at surface and 500 hPa

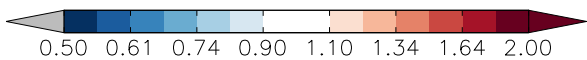
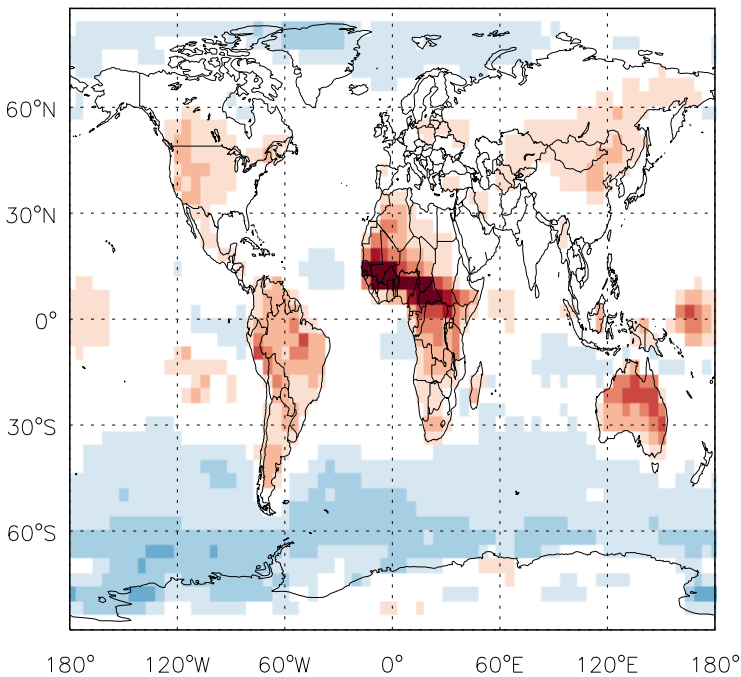
v11-01d-Run0 / v11-01b-Run0  
BrNO3 / Ratio @ Surface for Oct



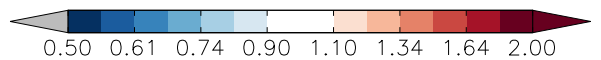
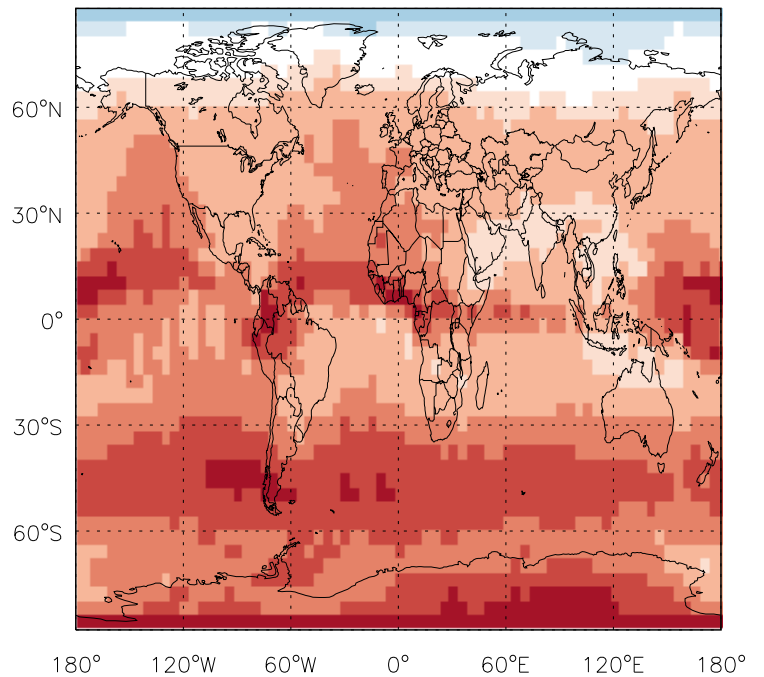
v11-01d-Run0 / v11-01b-Run0  
BrNO3/ Ratio @ 500 hPa for Oct



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



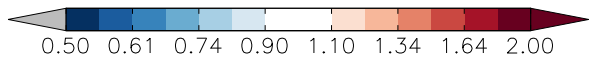
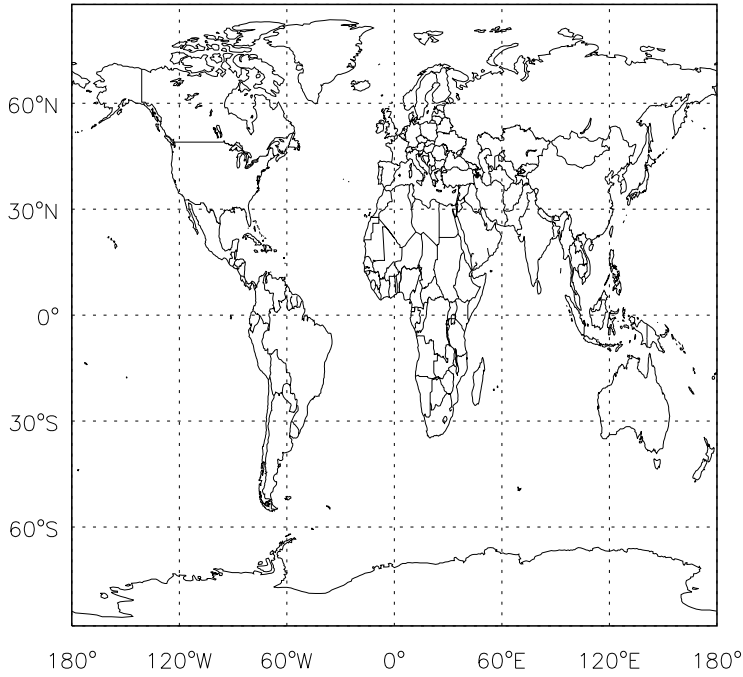
v11-01d-Run0 / v10-01-public-Run0  
BrNO3/ Ratio @ 500 hPa for Oct



GEOS-Chem Ratio Maps at surface and 500 hPa

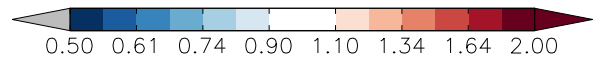
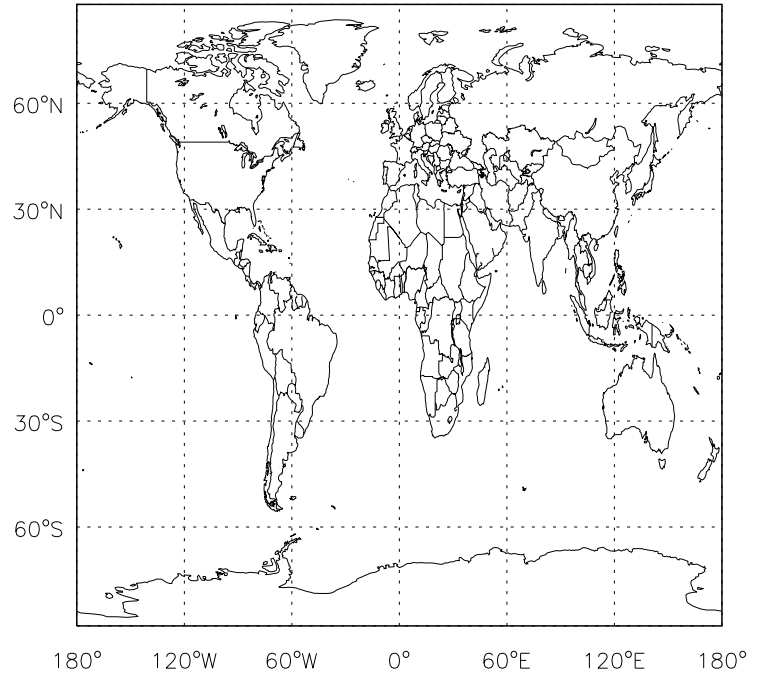
v11-01d-Run0 / v11-01b-Run0

CHBr<sub>3</sub> / Ratio @ Surface for Oct



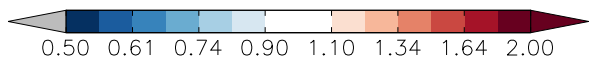
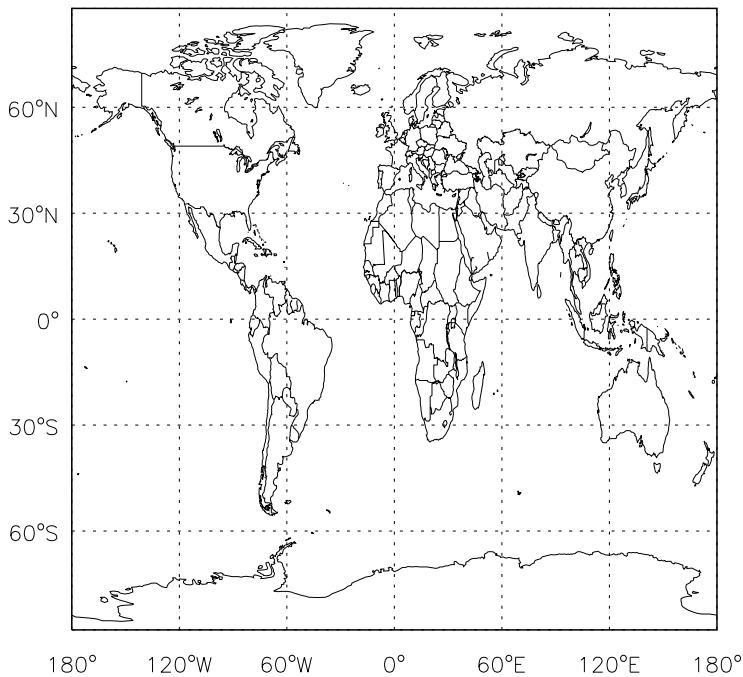
v11-01d-Run0 / v11-01b-Run0

CHBr<sub>3</sub>/ Ratio @ 500 hPa for Oct



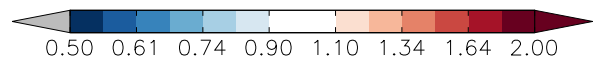
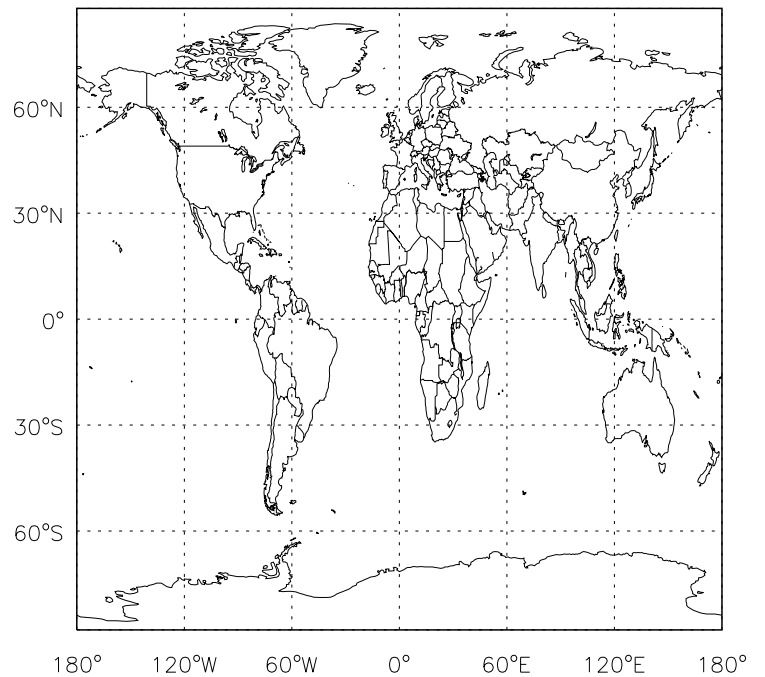
v11-01d-Run0 / v10-01-public-Run0

CHBr<sub>3</sub> / Ratio @ Surface for Oct



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

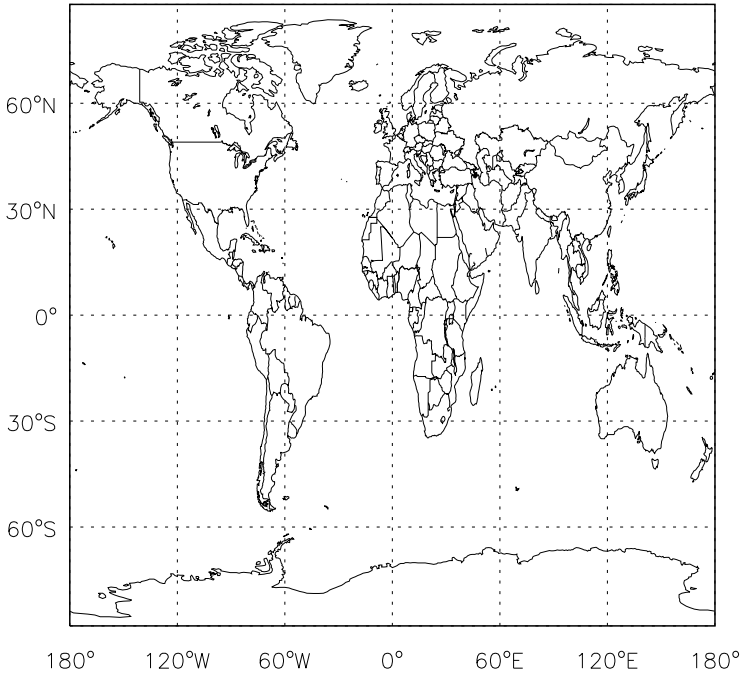
CHBr<sub>3</sub>/ Ratio @ 500 hPa for Oct



GEOS-Chem Ratio Maps at surface and 500 hPa

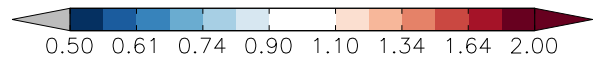
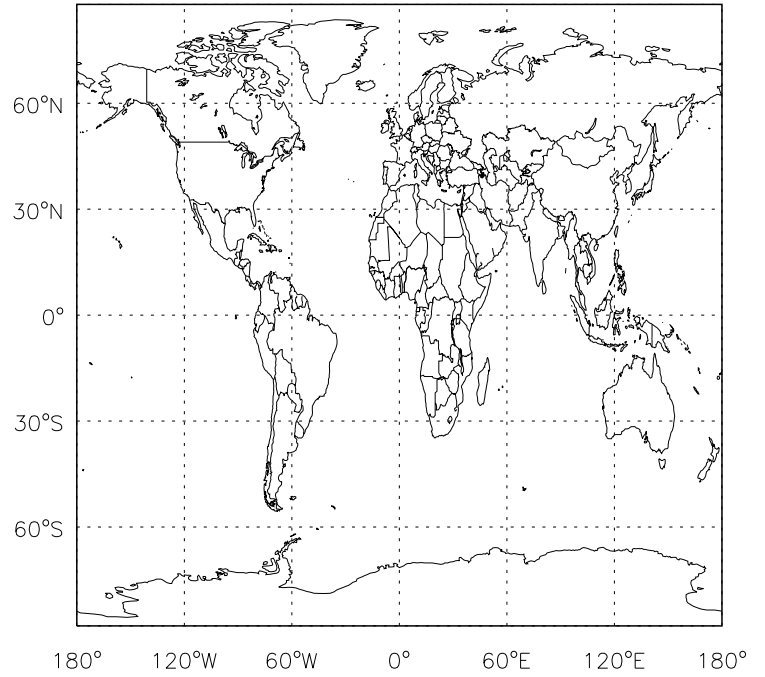
v11-01d-Run0 / v11-01b-Run0

CH2Br2 / Ratio @ Surface for Oct



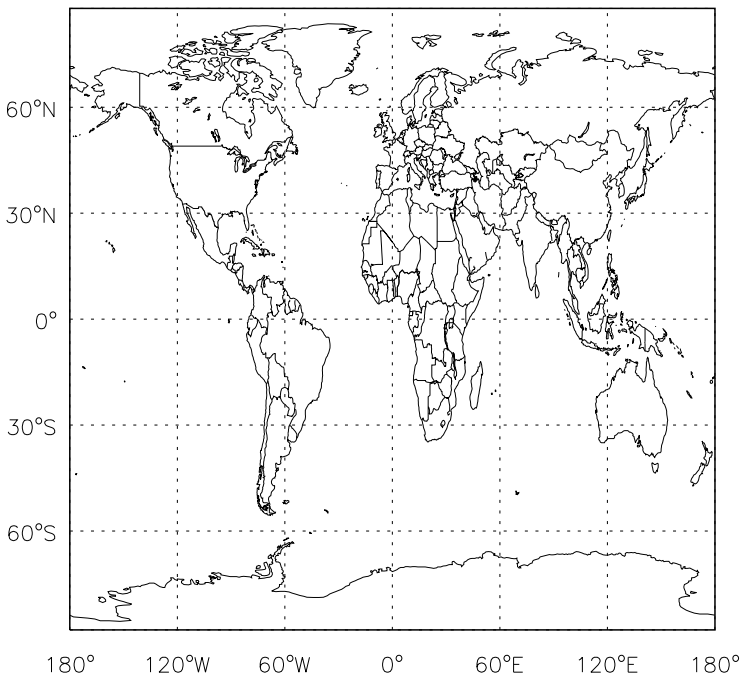
v11-01d-Run0 / v11-01b-Run0

CH2Br2/ Ratio @ 500 hPa for Oct



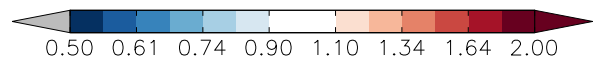
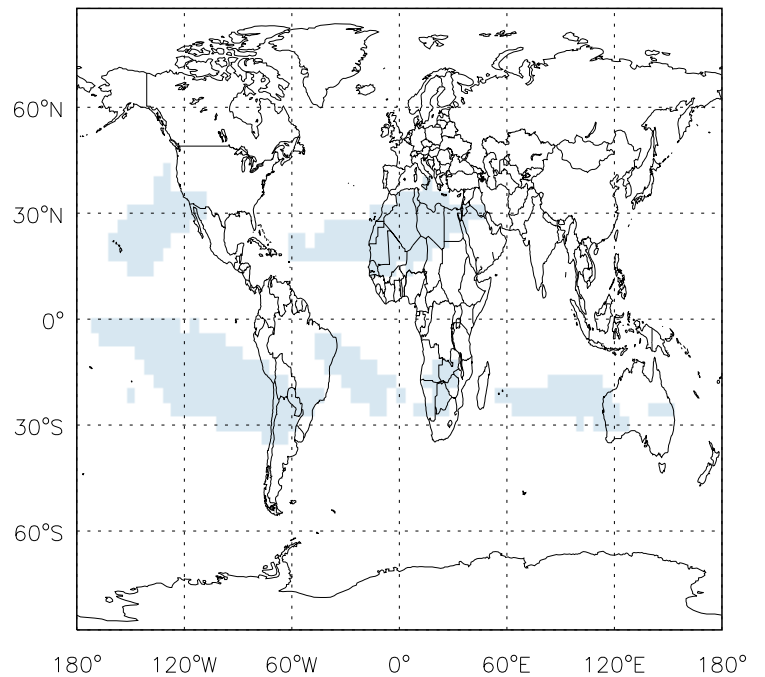
v11-01d-Run0 / v10-01-public-Run0

CH2Br2 / Ratio @ Surface for Oct



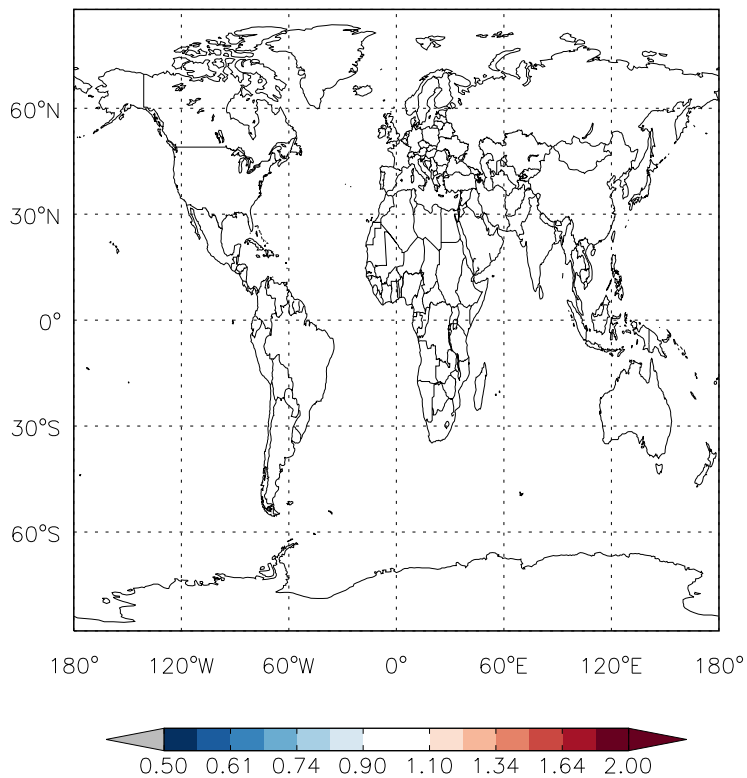
v11-01d-Run0 / v10-01-public-Run0

CH2Br2/ Ratio @ 500 hPa for Oct

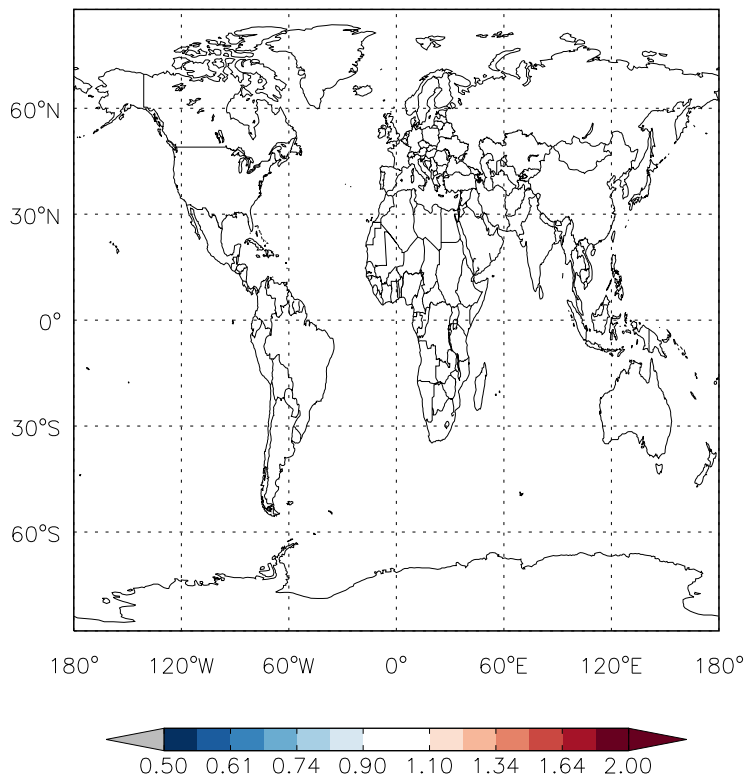


GEOS-Chem Ratio Maps at surface and 500 hPa

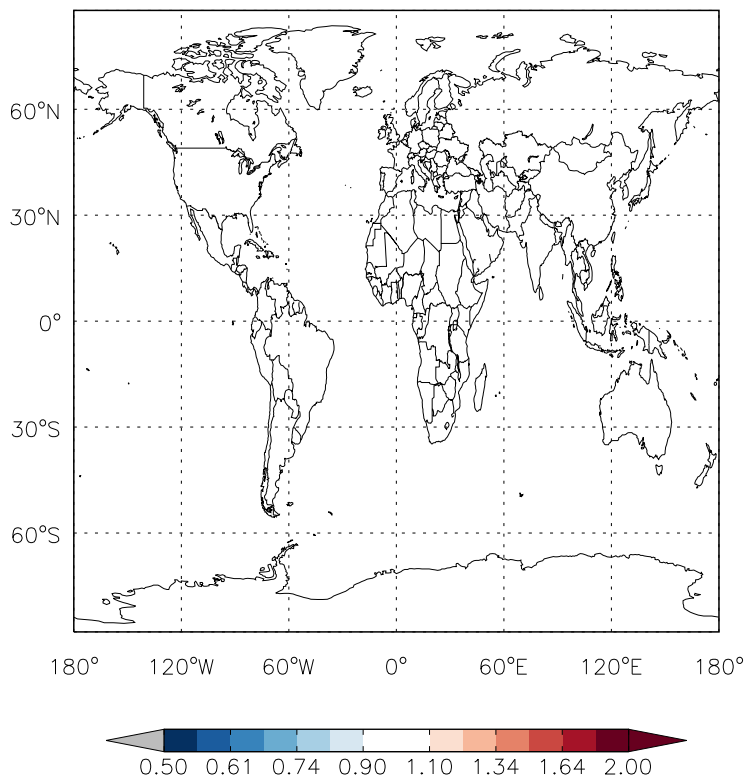
v11-01d-Run0 / v11-01b-Run0  
CH3Br / Ratio @ Surface for Oct



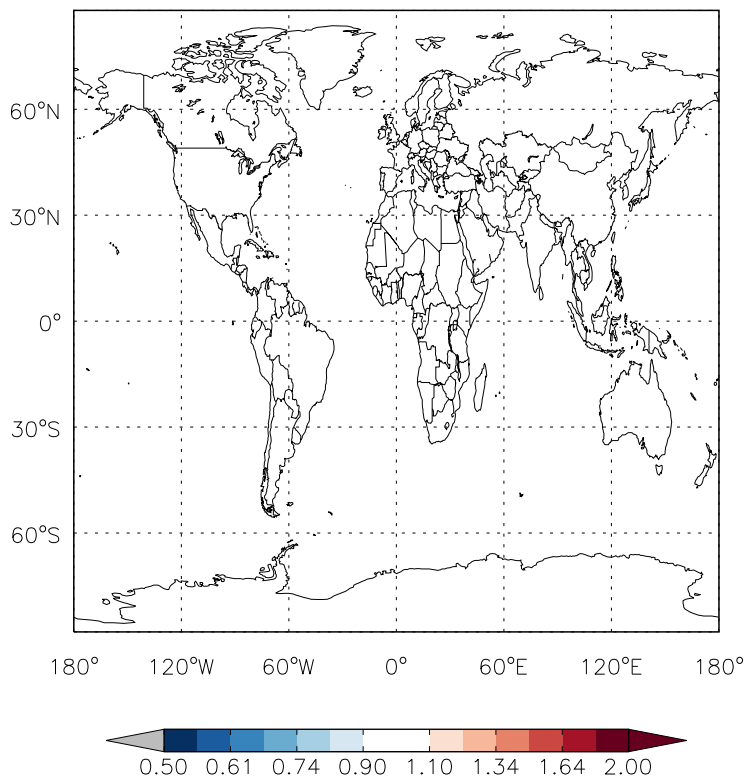
v11-01d-Run0 / v11-01b-Run0  
CH3Br/ Ratio @ 500 hPa for Oct



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

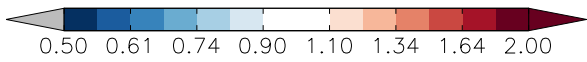
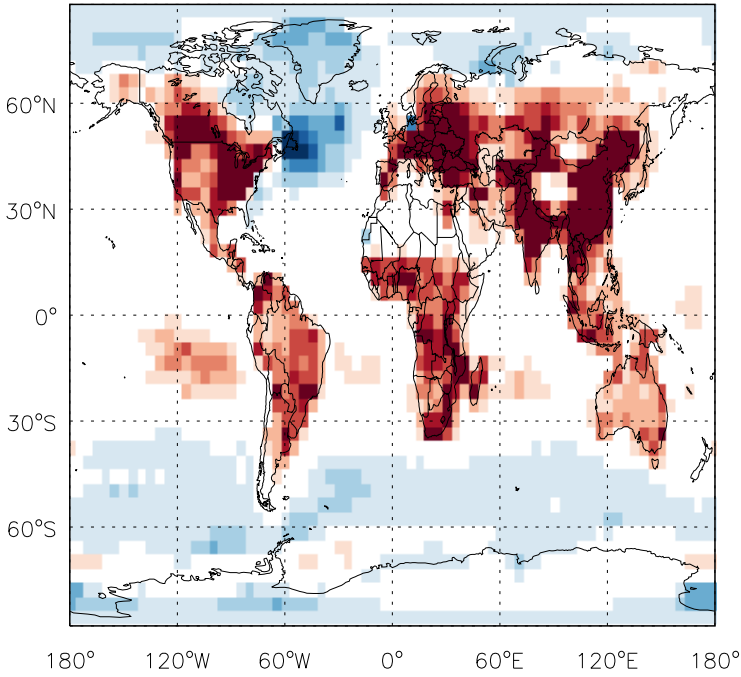


v11-01d-Run0 / v10-01-public-Run0  
CH3Br/ Ratio @ 500 hPa for Oct

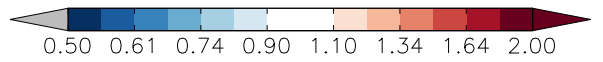
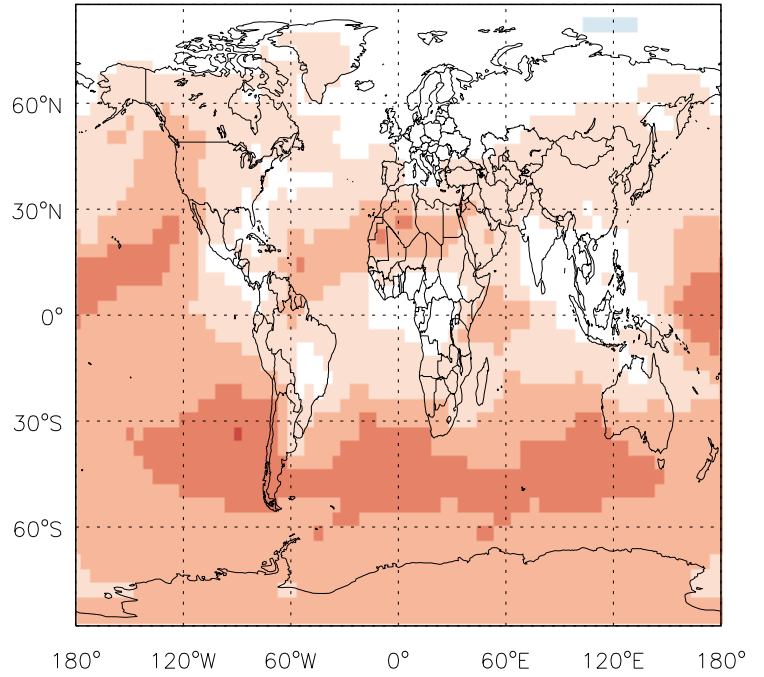


GEOS-Chem Ratio Maps at surface and 500 hPa

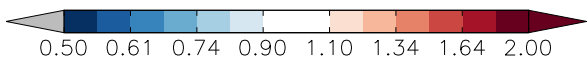
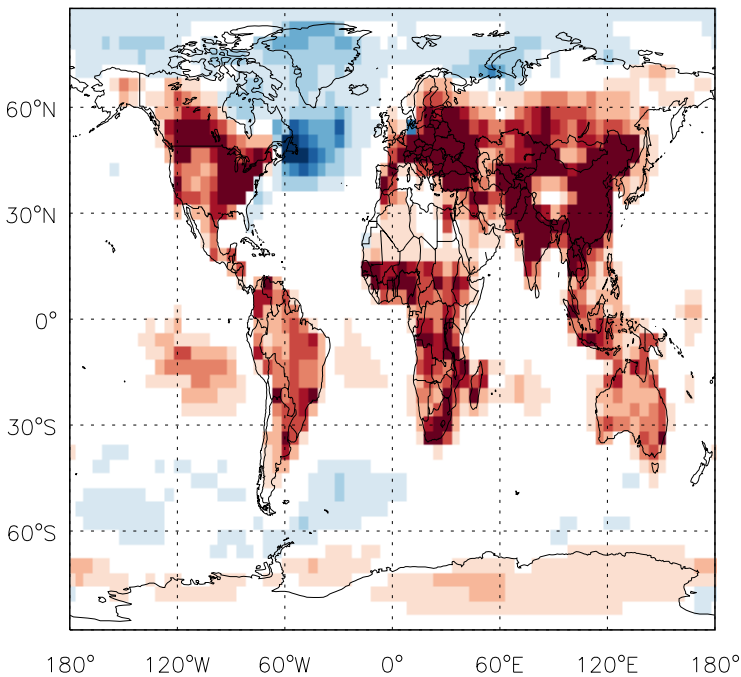
v11-01d-Run0 / v11-01b-Run0  
MPN / Ratio @ Surface for Oct



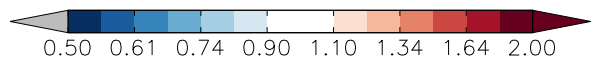
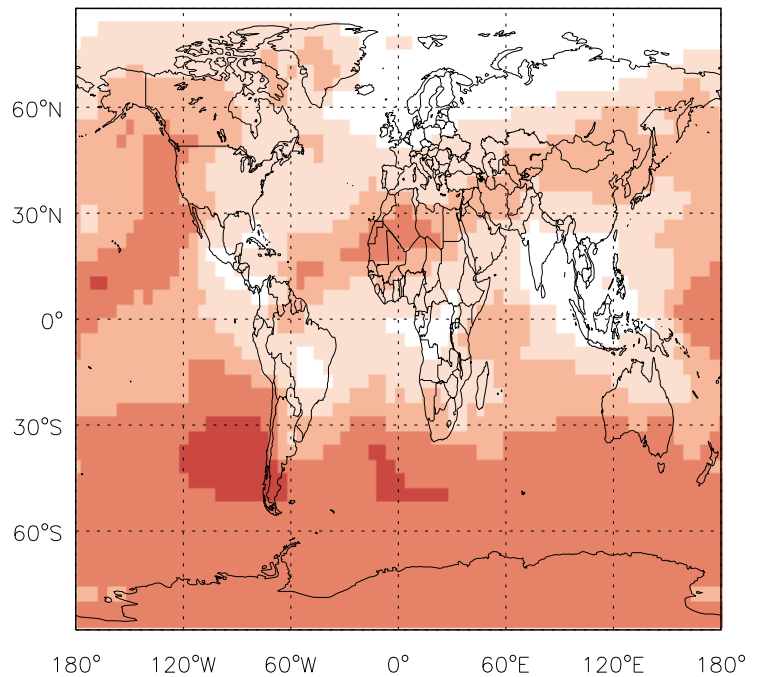
v11-01d-Run0 / v11-01b-Run0  
MPN/ Ratio @ 500 hPa for Oct



v11-01d-Run0 / v10-01-public-Run0  
MPN / Ratio @ Surface for Oct

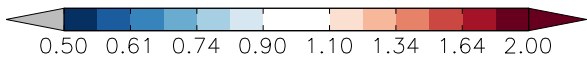
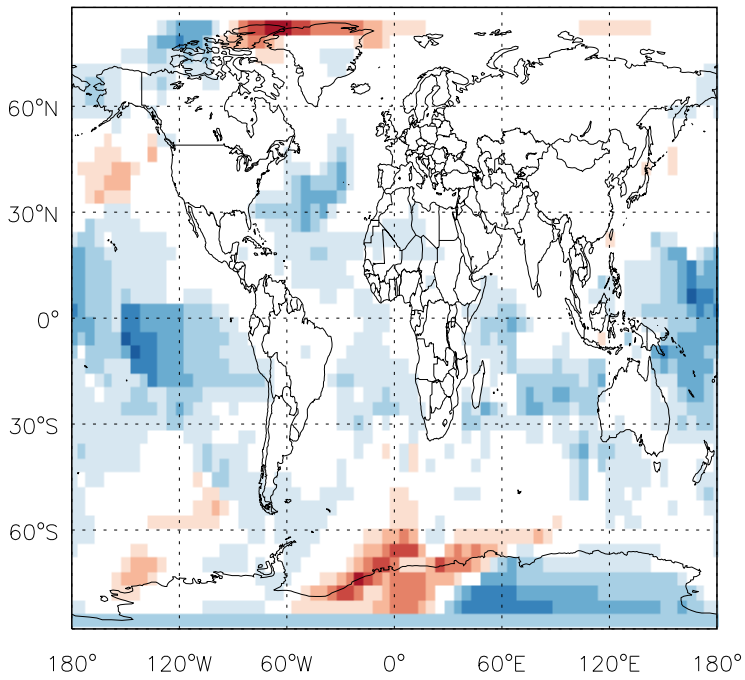


v11-01d-Run0 / v10-01-public-Run0  
MPN/ Ratio @ 500 hPa for Oct

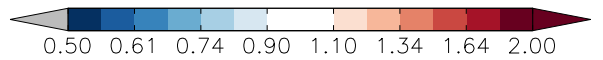
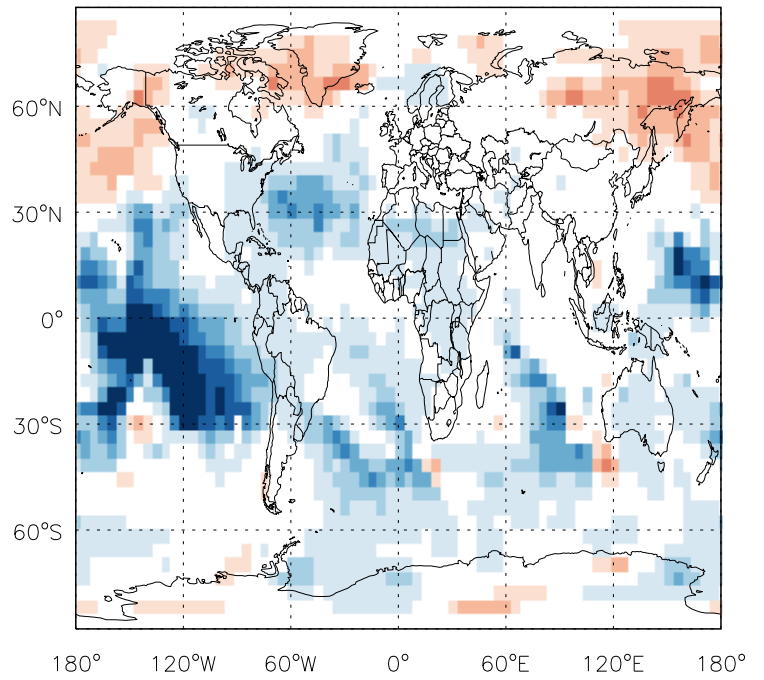


GEOS-Chem Ratio Maps at surface and 500 hPa

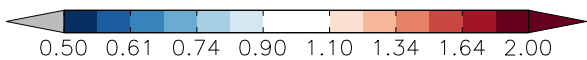
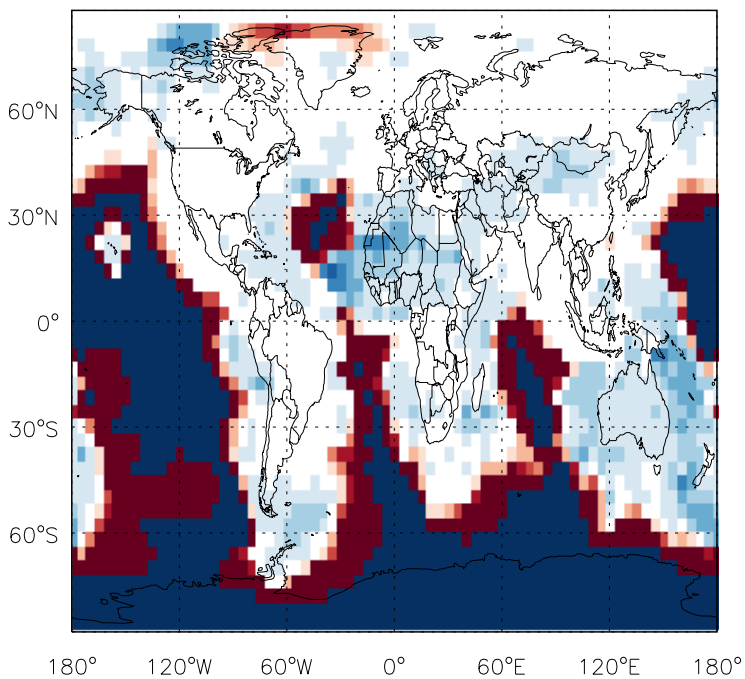
v11-01d-Run0 / v11-01b-Run0  
ISOPN / Ratio @ Surface for Oct



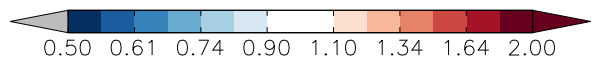
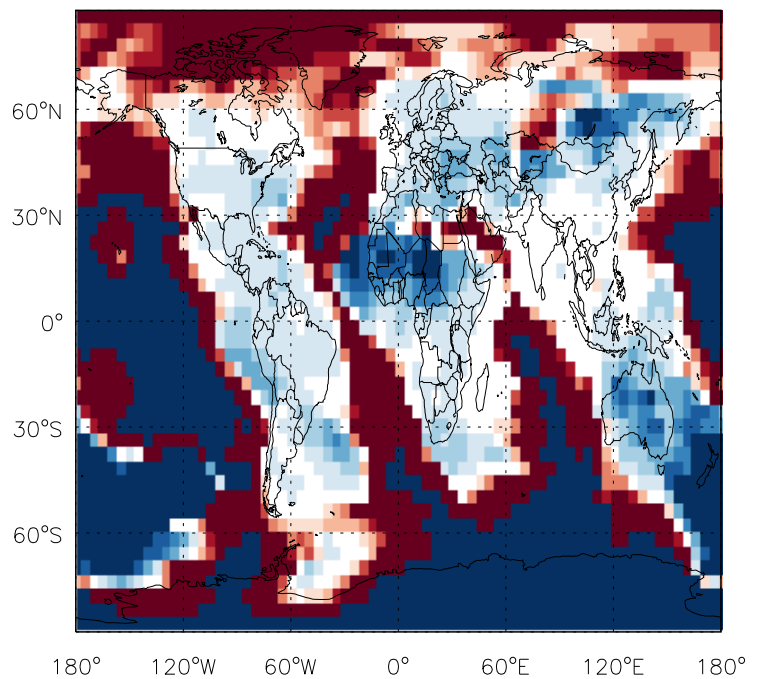
v11-01d-Run0 / v11-01b-Run0  
ISOPN/ Ratio @ 500 hPa for Oct



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

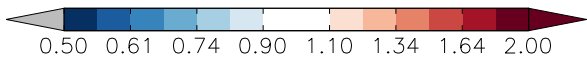
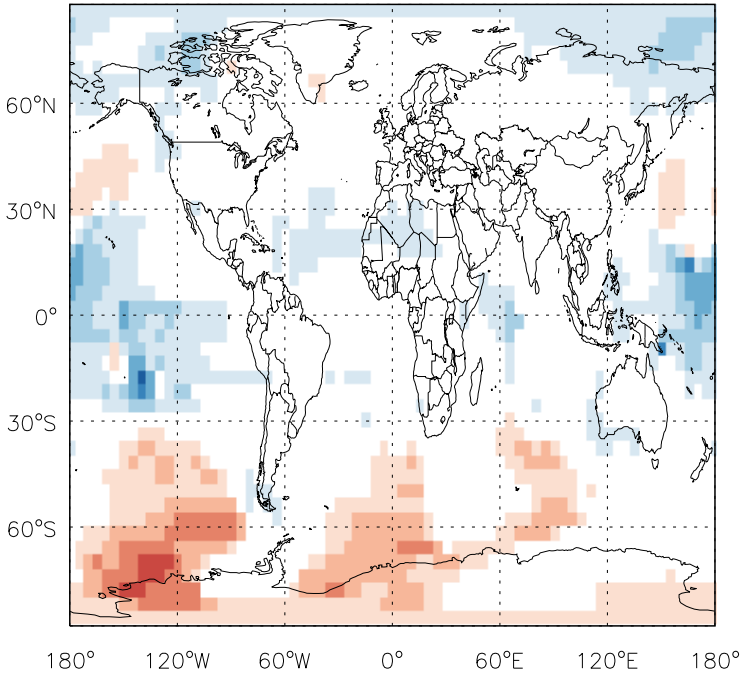


v11-01d-Run0 / v10-01-public-Run0  
ISOPN/ Ratio @ 500 hPa for Oct

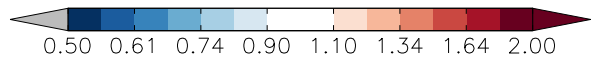
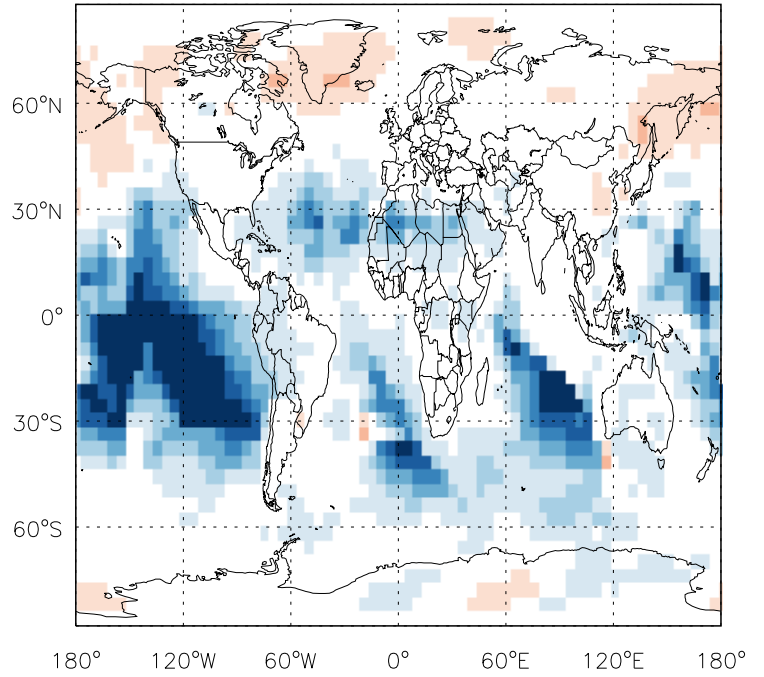


GEOS-Chem Ratio Maps at surface and 500 hPa

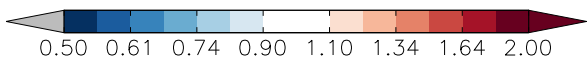
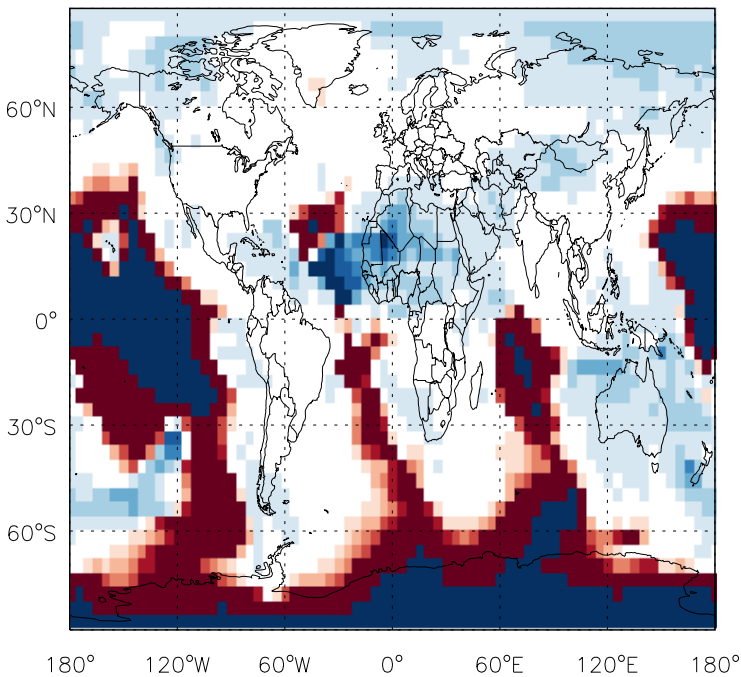
v11-01d-Run0 / v11-01b-Run0  
MOBA / Ratio @ Surface for Oct



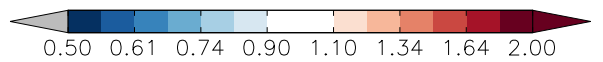
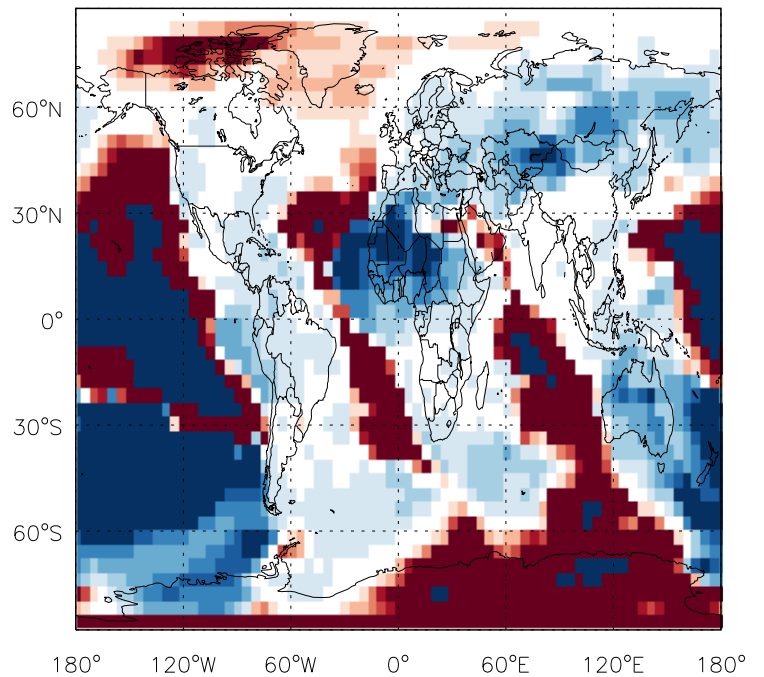
v11-01d-Run0 / v11-01b-Run0  
MOBA/ Ratio @ 500 hPa for Oct



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



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

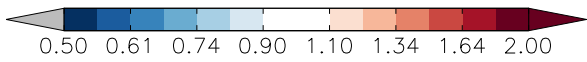
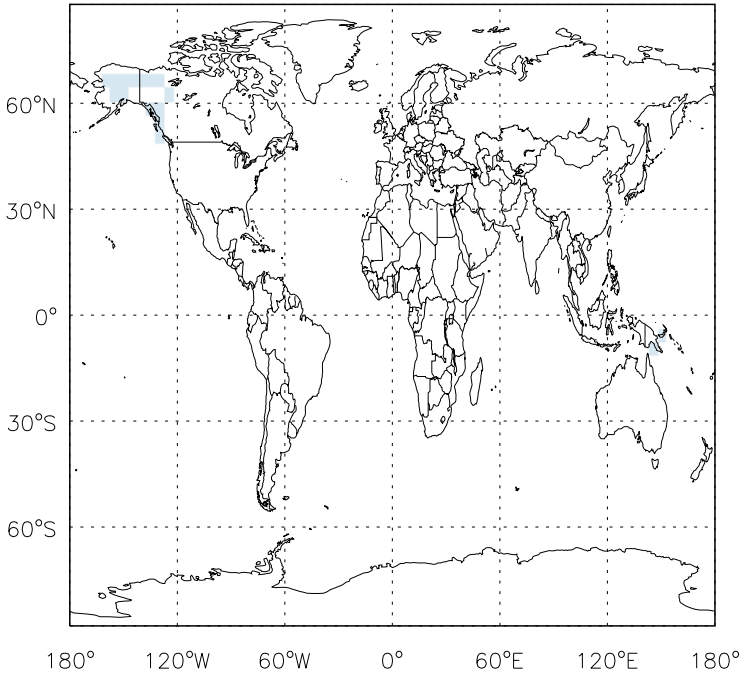




# GEOS-Chem Ratio Maps at surface and 500 hPa

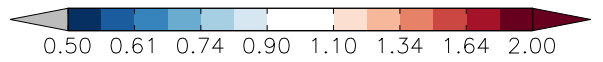
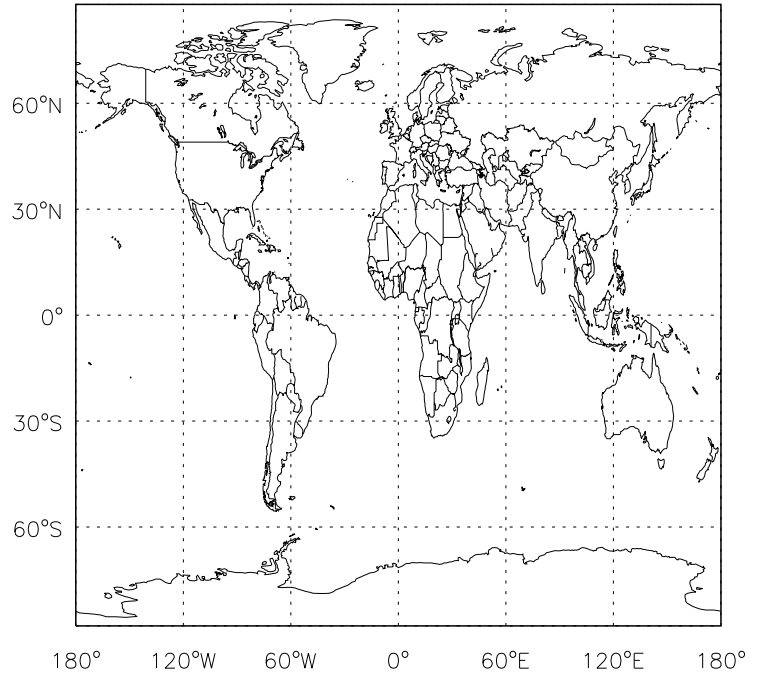
v11-01d-Run0 / v11-01b-Run0

PROPNN / Ratio @ Surface for Oct



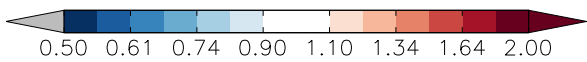
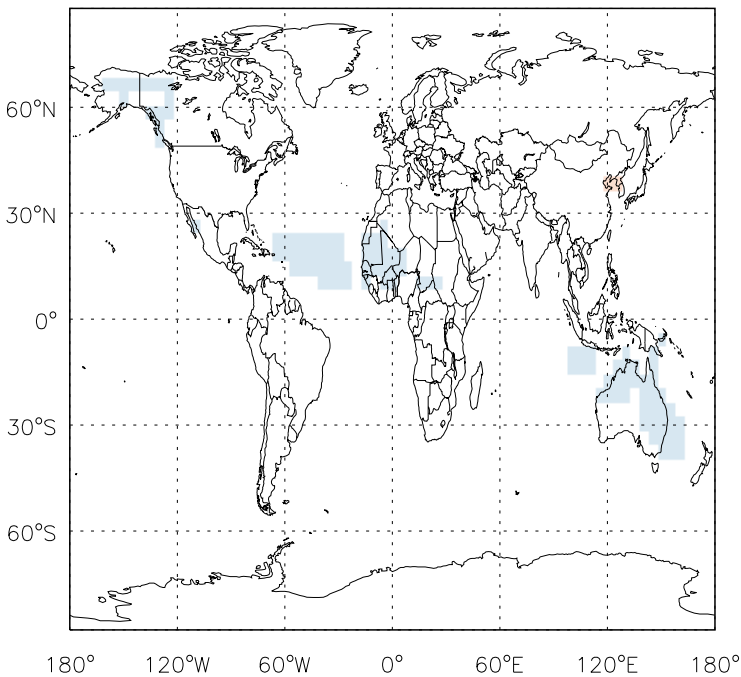
v11-01d-Run0 / v11-01b-Run0

PROPNN/ Ratio @ 500 hPa for Oct



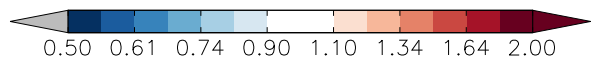
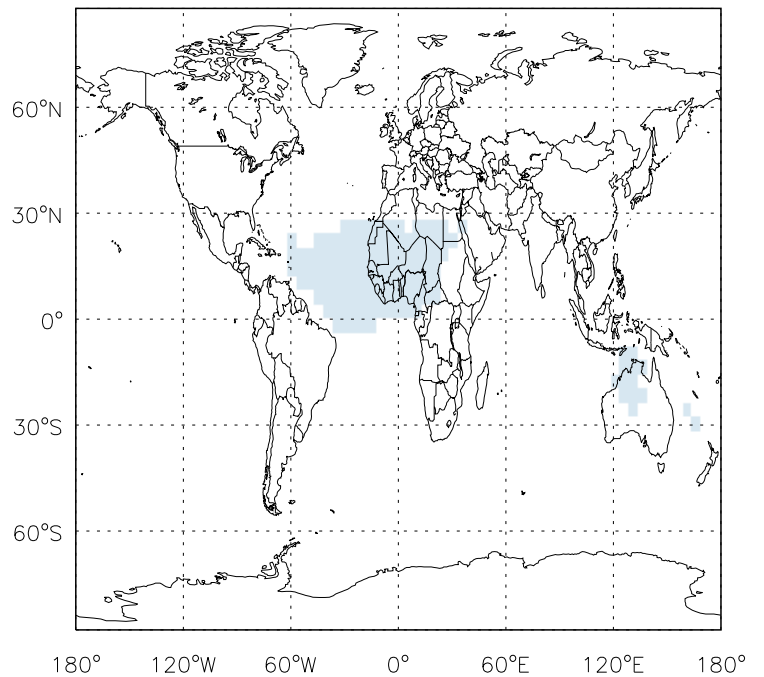
v11-01d-Run0 / v10-01-public-Run0

PROPNN / Ratio @ Surface for Oct



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

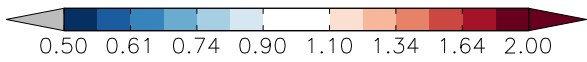
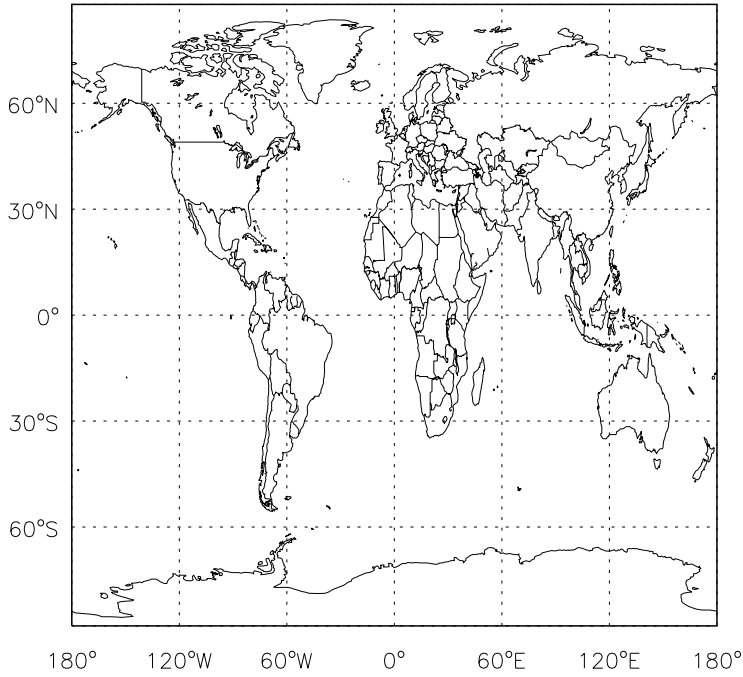
PROPNN/ Ratio @ 500 hPa for Oct



GEOS-Chem Ratio Maps at surface and 500 hPa

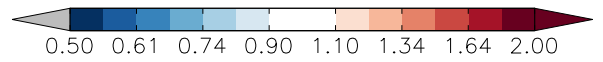
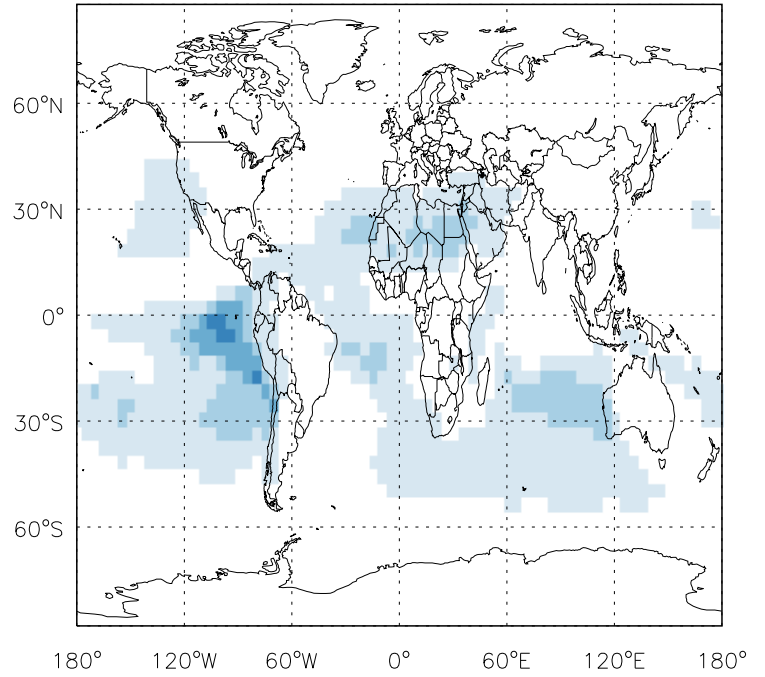
v11-01d-Run0 / v11-01b-Run0

HAC / Ratio @ Surface for Oct



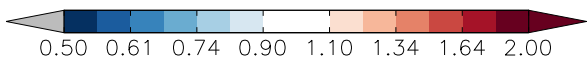
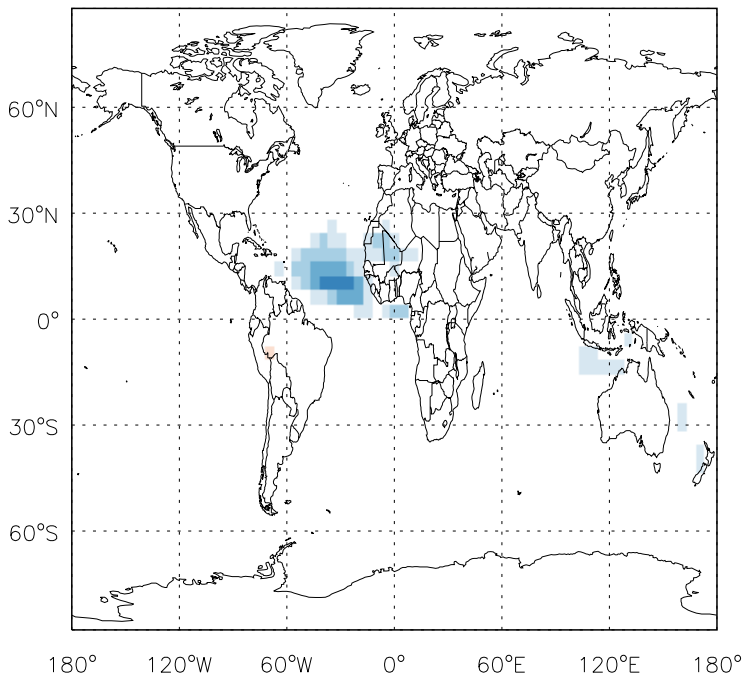
v11-01d-Run0 / v11-01b-Run0

HAC / Ratio @ 500 hPa for Oct



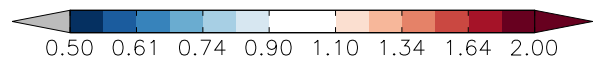
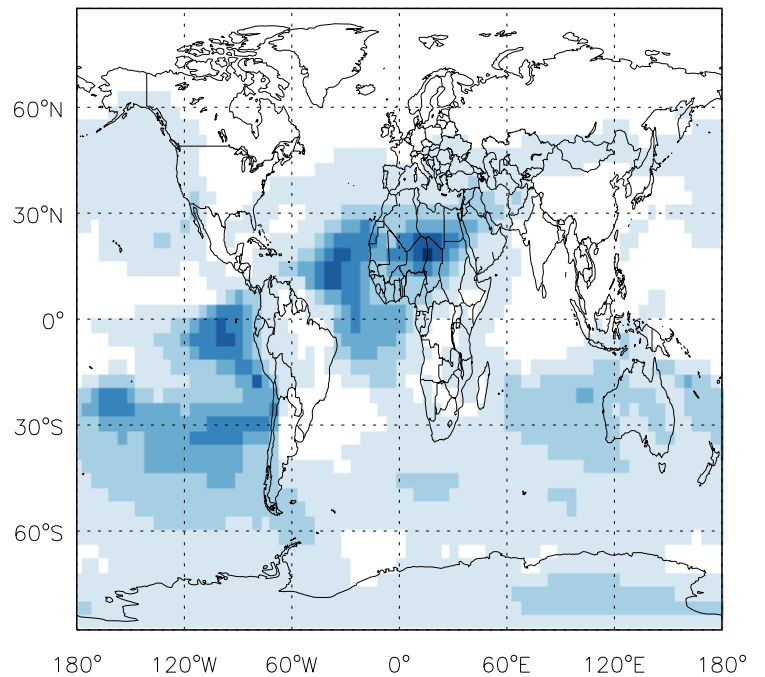
v11-01d-Run0 / v10-01-public-Run0

HAC / Ratio @ Surface for Oct



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

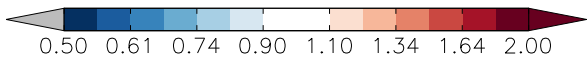
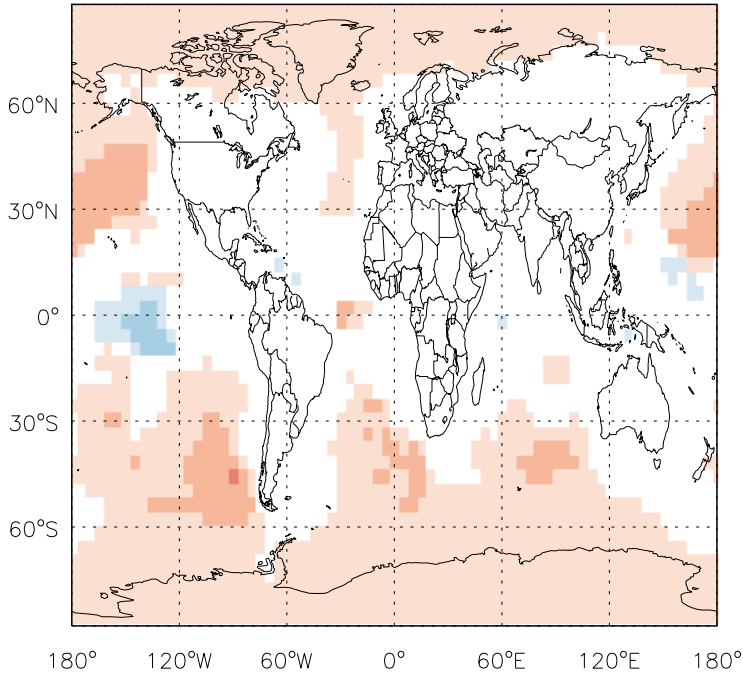
HAC / Ratio @ 500 hPa for Oct



GEOS-Chem Ratio Maps at surface and 500 hPa

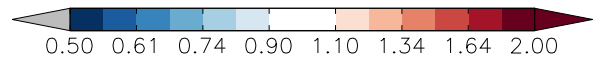
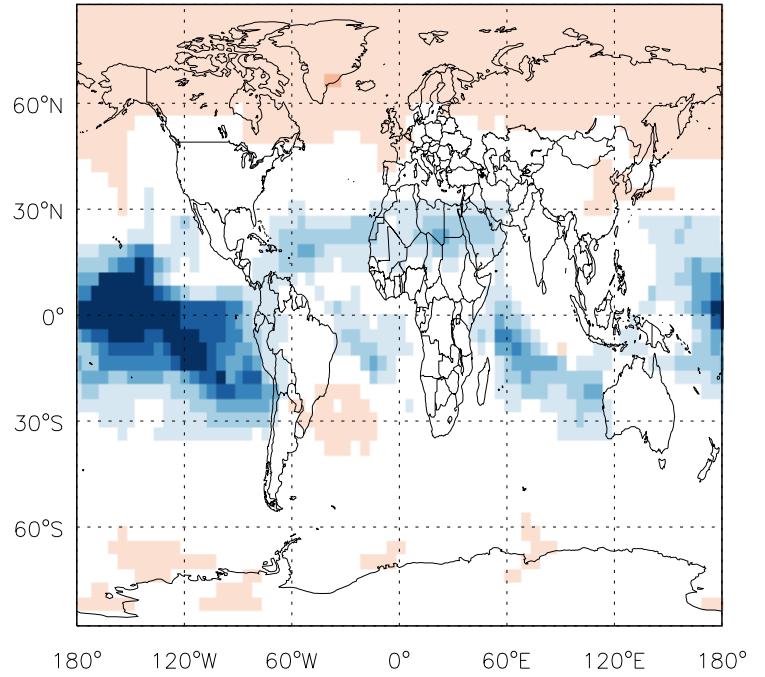
v11-01d-Run0 / v11-01b-Run0

GLYC / Ratio @ Surface for Oct



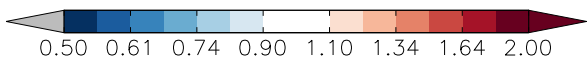
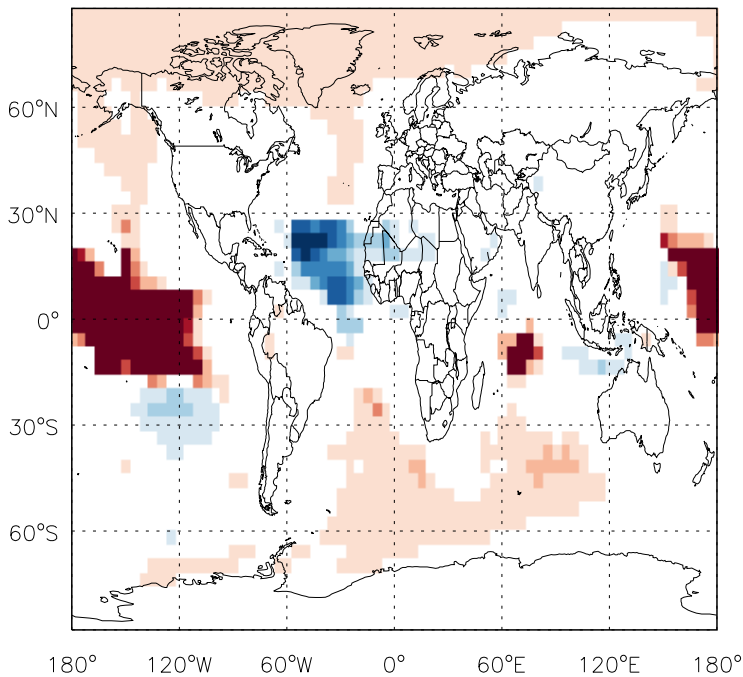
v11-01d-Run0 / v11-01b-Run0

GLYC/ Ratio @ 500 hPa for Oct



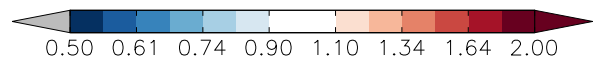
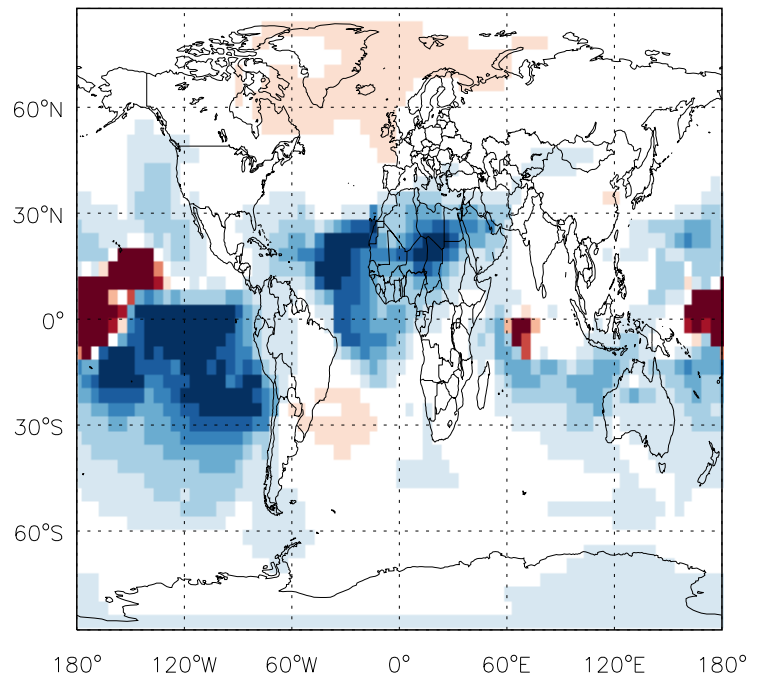
v11-01d-Run0 / v10-01-public-Run0

GLYC / Ratio @ Surface for Oct



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

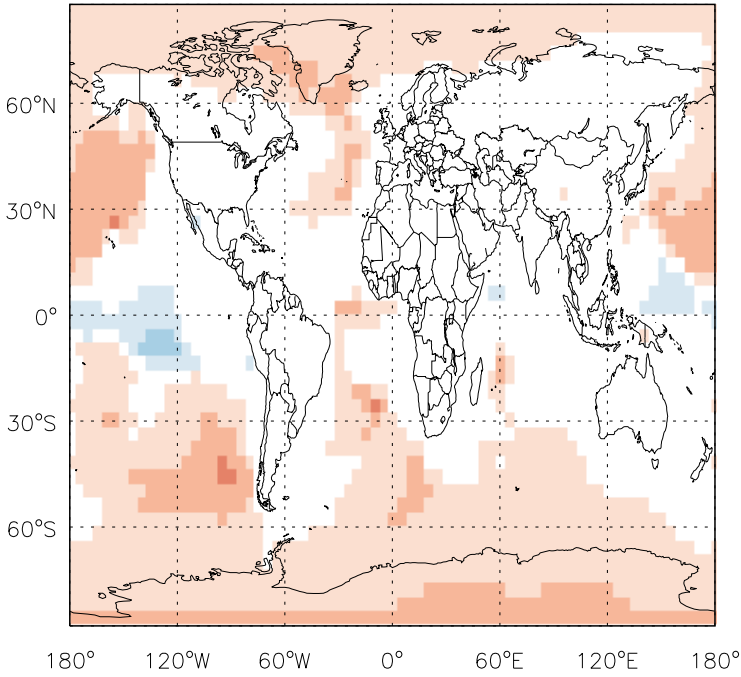
GLYC/ Ratio @ 500 hPa for Oct



GEOS-Chem Ratio Maps at surface and 500 hPa

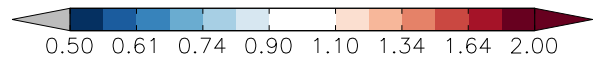
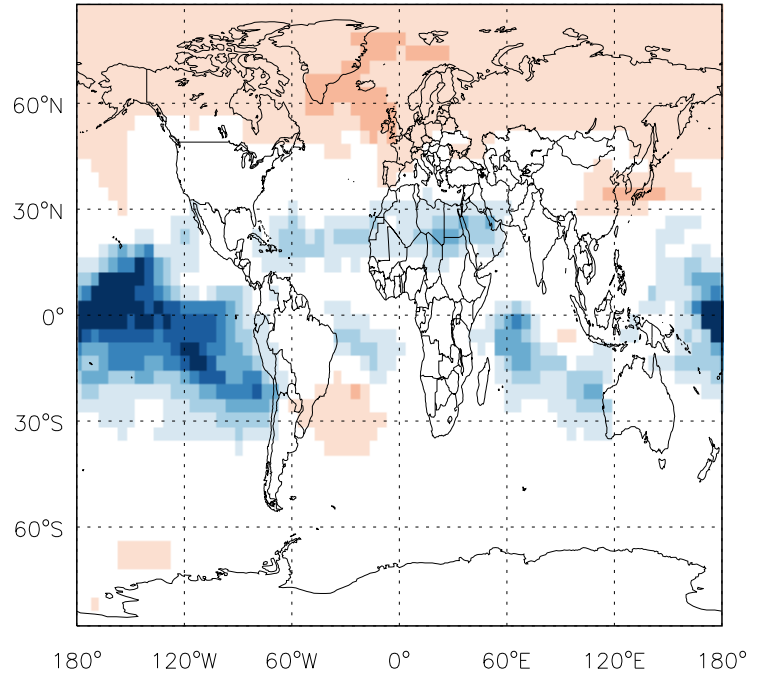
v11-01d-Run0 / v11-01b-Run0

MMN / Ratio @ Surface for Oct



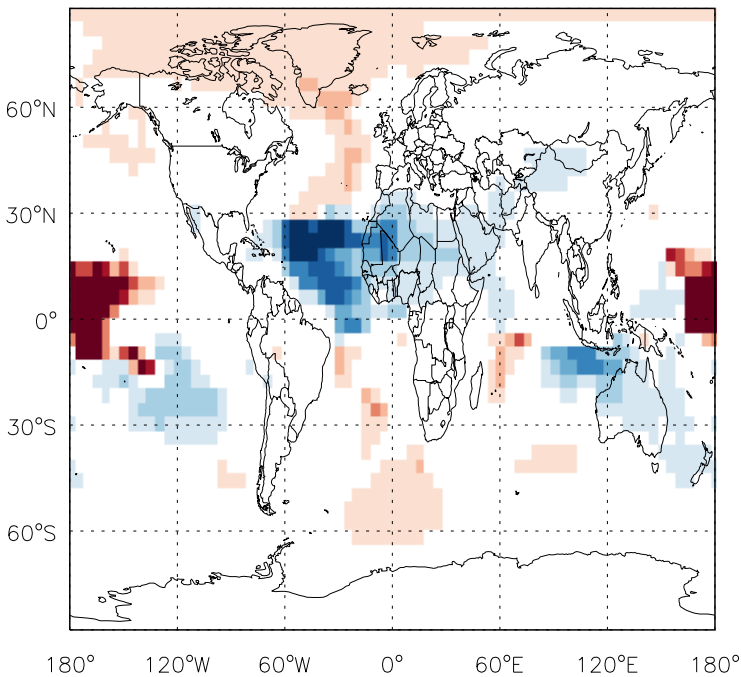
v11-01d-Run0 / v11-01b-Run0

MMN/ Ratio @ 500 hPa for Oct



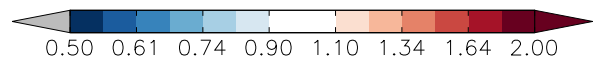
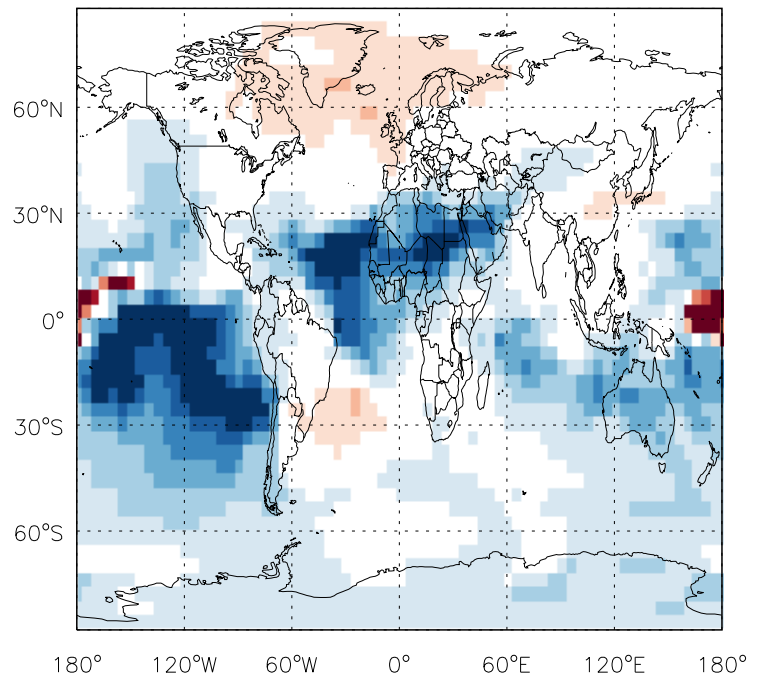
v11-01d-Run0 / v10-01-public-Run0

MMN / Ratio @ Surface for Oct



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

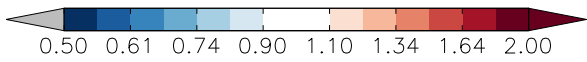
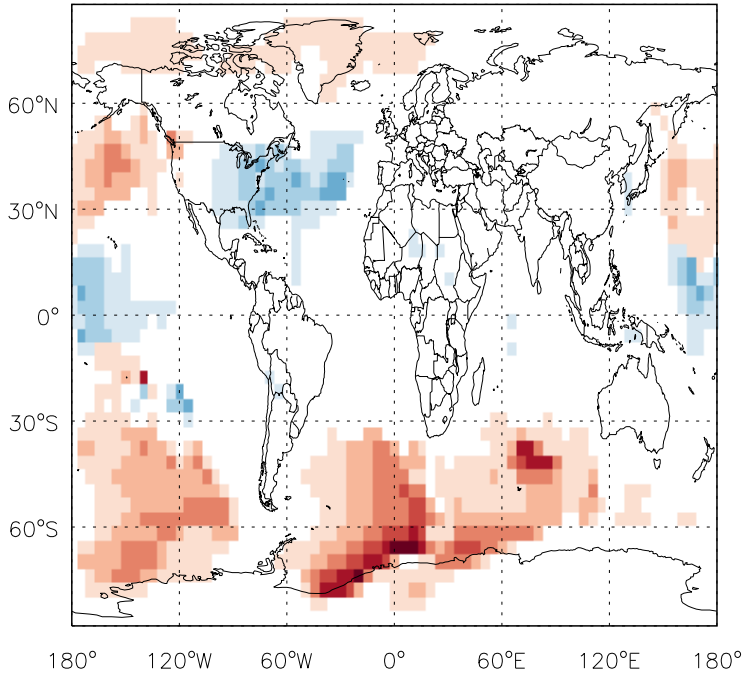
MMN/ Ratio @ 500 hPa for Oct



# GEOS-Chem Ratio Maps at surface and 500 hPa

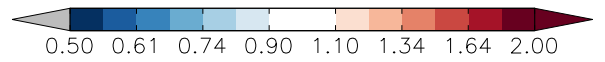
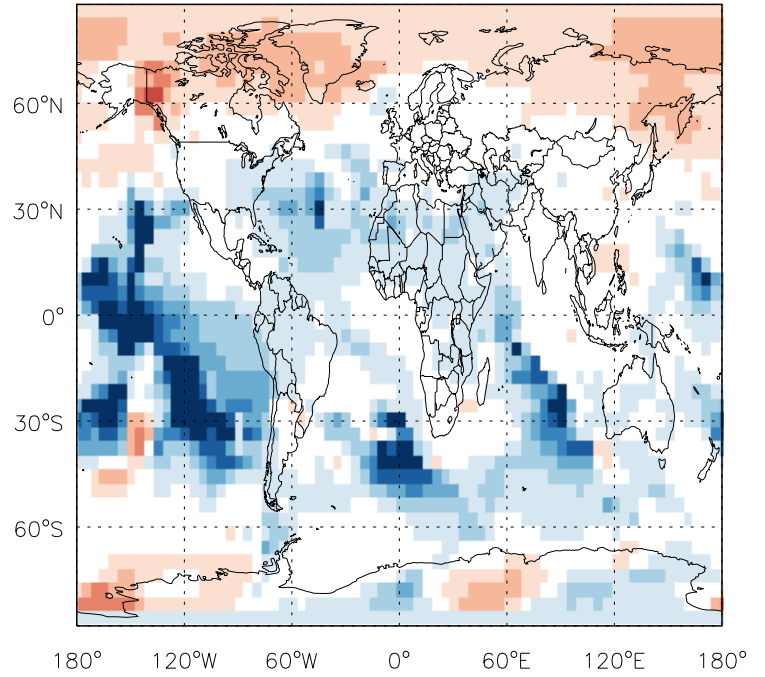
v11-01d-Run0 / v11-01b-Run0

RIP / Ratio @ Surface for Oct



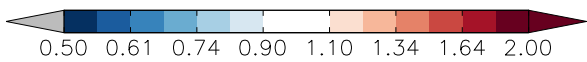
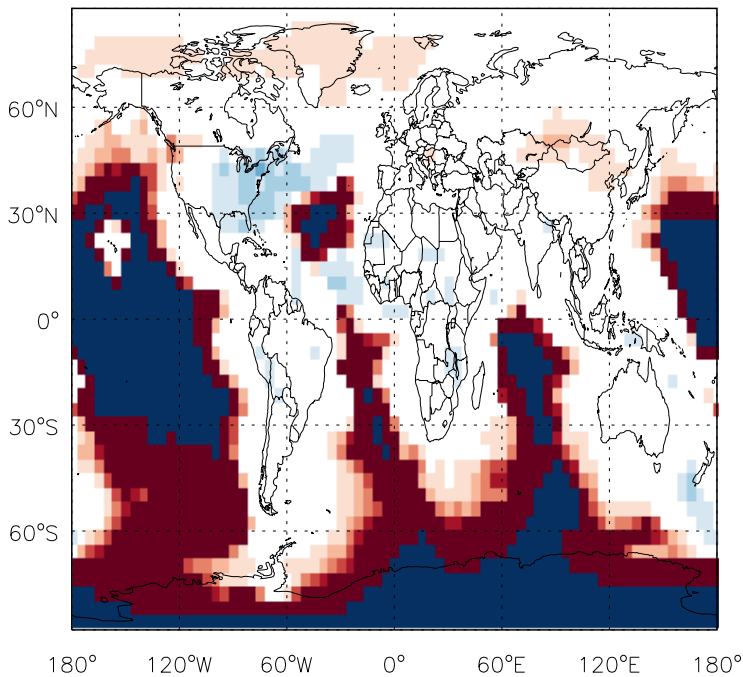
v11-01d-Run0 / v11-01b-Run0

RIP / Ratio @ 500 hPa for Oct



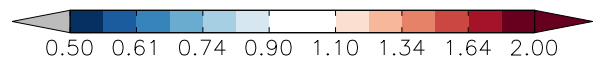
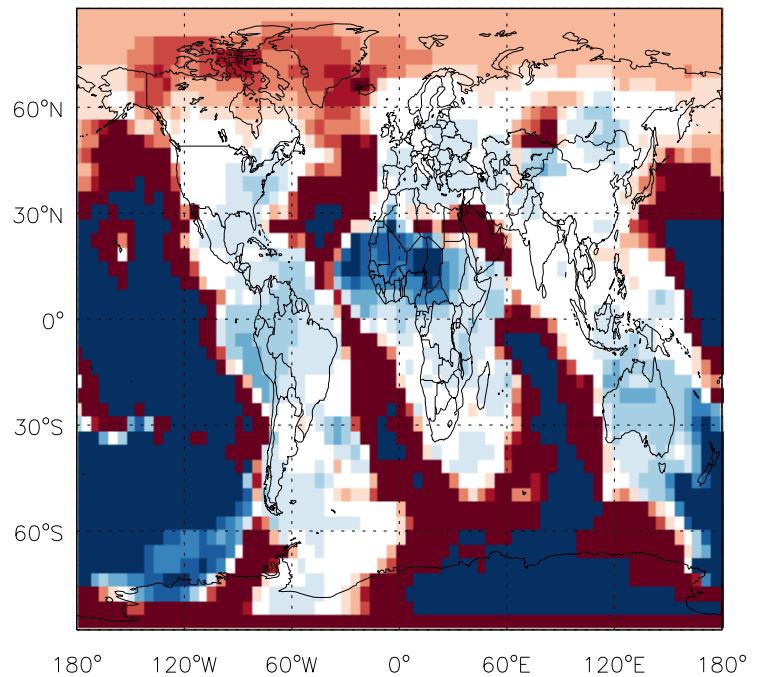
v11-01d-Run0 / v10-01-public-Run0

RIP / Ratio @ Surface for Oct



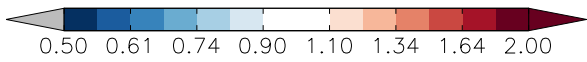
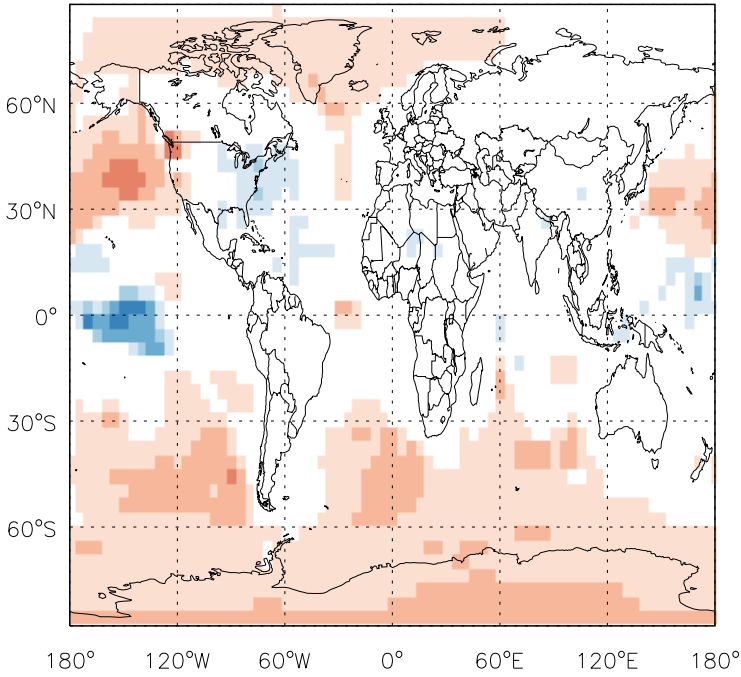
v11-01d-Run0 / v10-01-public-Run0

RIP / Ratio @ 500 hPa for Oct

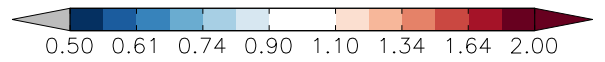
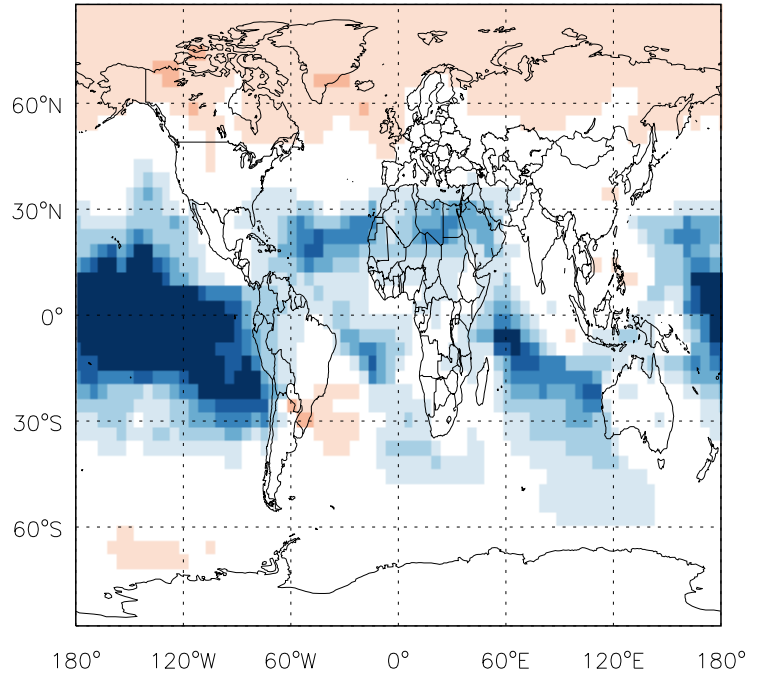


# GEOS-Chem Ratio Maps at surface and 500 hPa

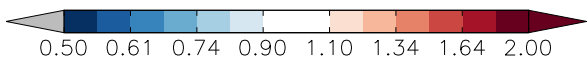
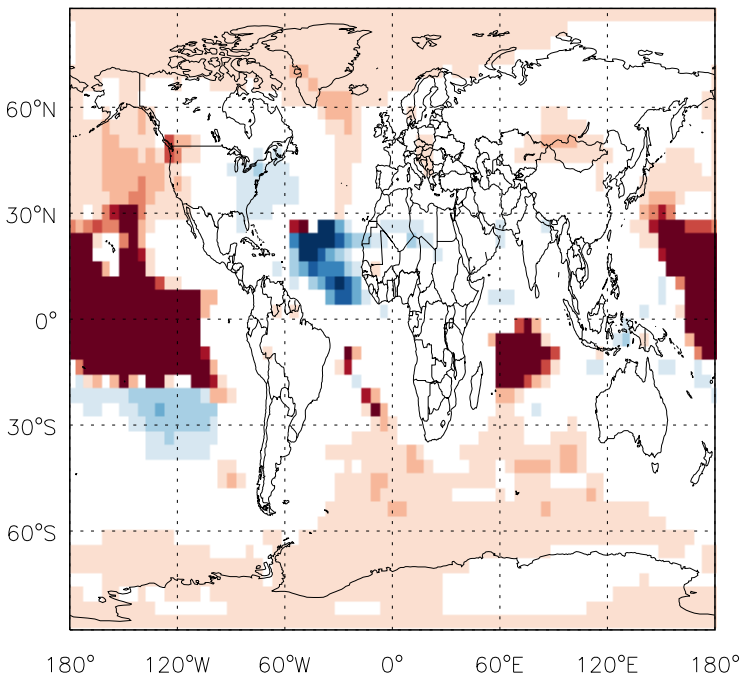
v11-01d-Run0 / v11-01b-Run0  
IEPOX / Ratio @ Surface for Oct



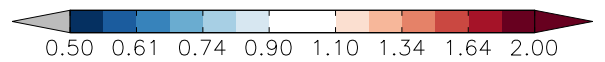
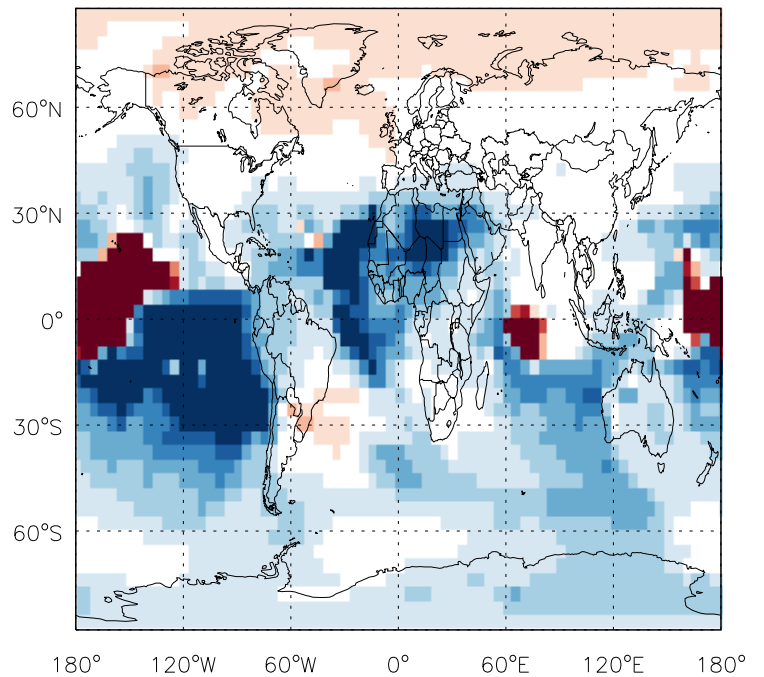
v11-01d-Run0 / v11-01b-Run0  
IEPOX/ Ratio @ 500 hPa for Oct



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



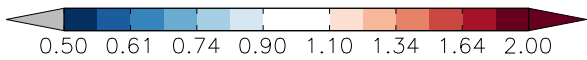
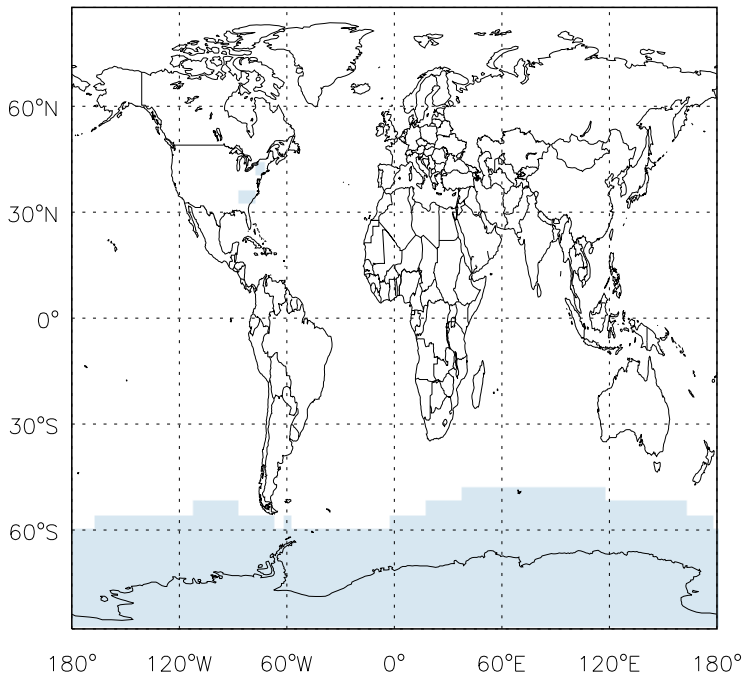
v11-01d-Run0 / v10-01-public-Run0  
IEPOX/ Ratio @ 500 hPa for Oct



GEOS-Chem Ratio Maps at surface and 500 hPa

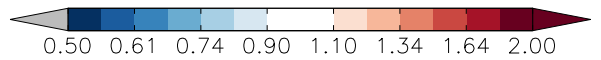
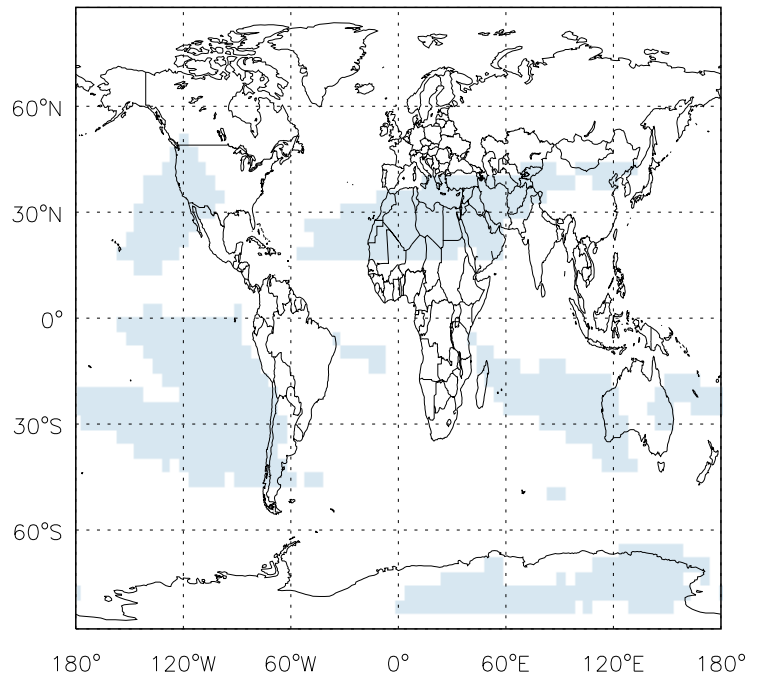
v11-01d-Run0 / v11-01b-Run0

MAP / Ratio @ Surface for Oct



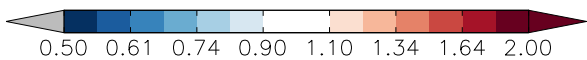
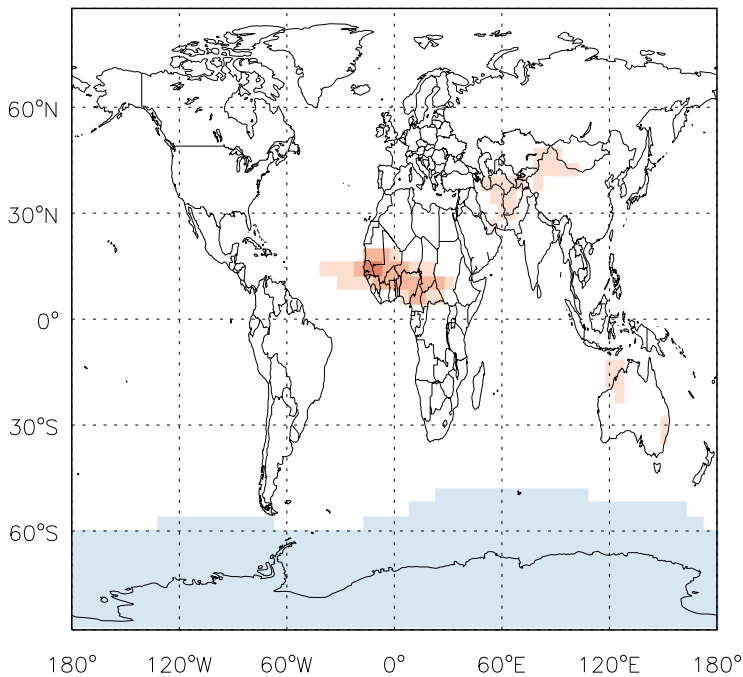
v11-01d-Run0 / v11-01b-Run0

MAP / Ratio @ 500 hPa for Oct



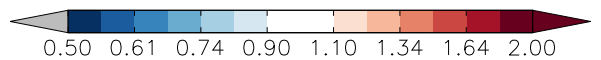
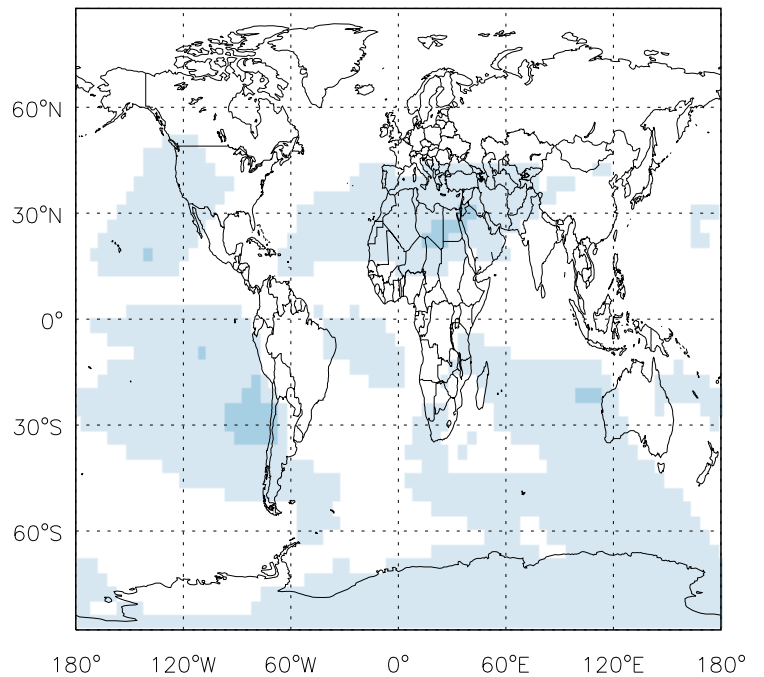
v11-01d-Run0 / v10-01-public-Run0

MAP / Ratio @ Surface for Oct



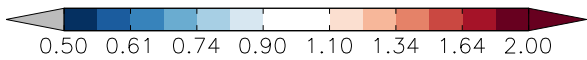
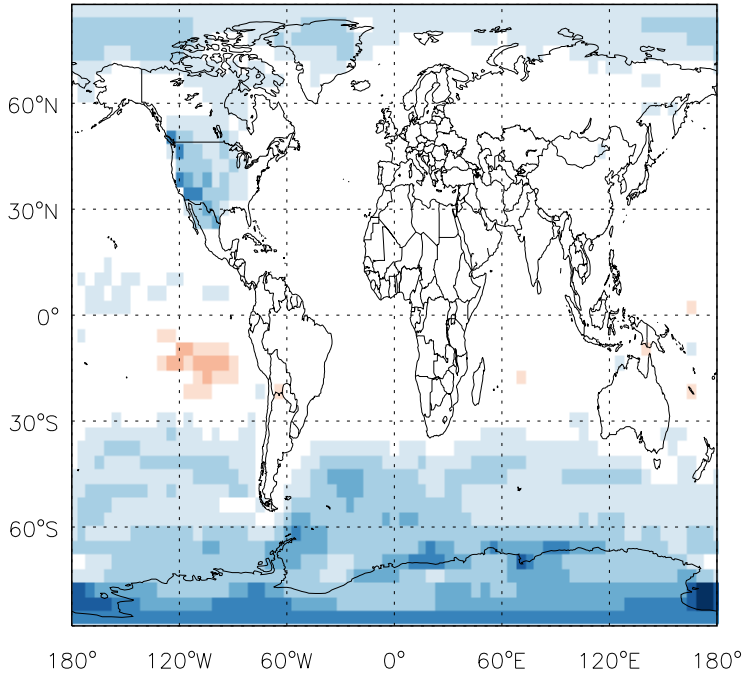
v11-01d-Run0 / v10-01-public-Run0

MAP / Ratio @ 500 hPa for Oct

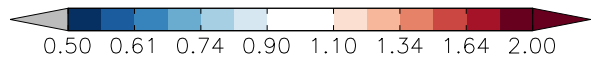
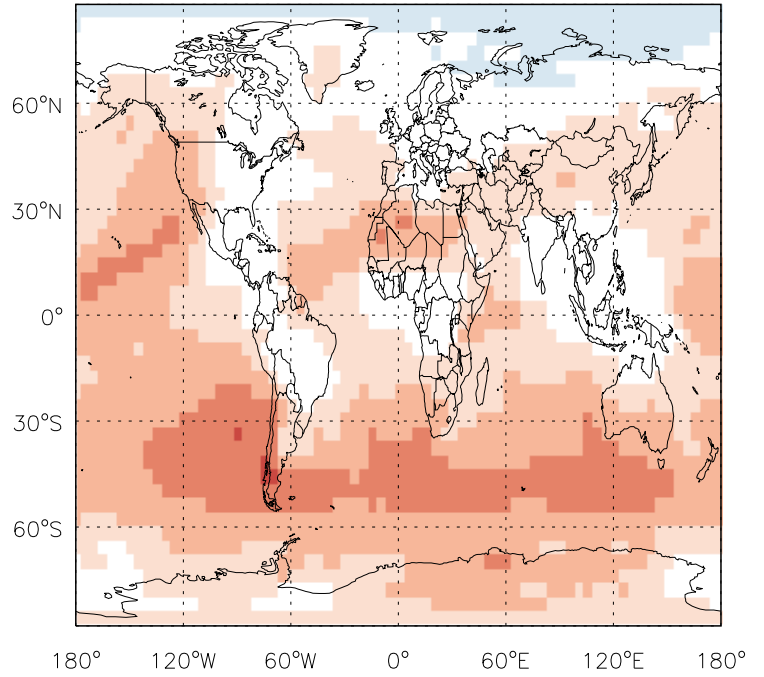


GEOS-Chem Ratio Maps at surface and 500 hPa

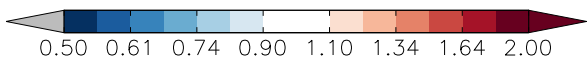
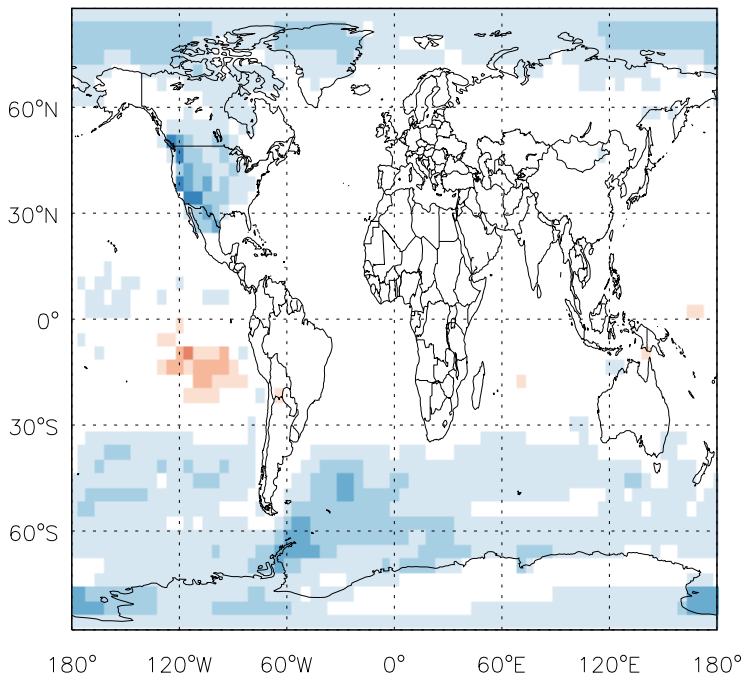
v11-01d-Run0 / v11-01b-Run0  
NO2 / Ratio @ Surface for Oct



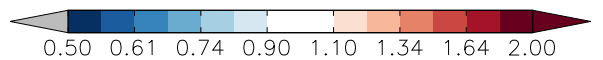
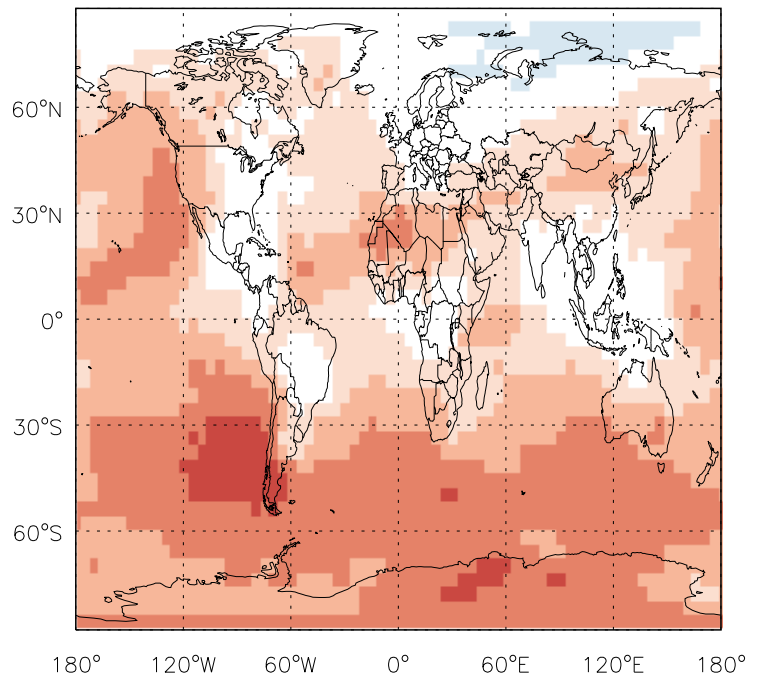
v11-01d-Run0 / v11-01b-Run0  
NO2 / Ratio @ 500 hPa for Oct



v11-01d-Run0 / v10-01-public-Run0  
NO2 / Ratio @ Surface for Oct



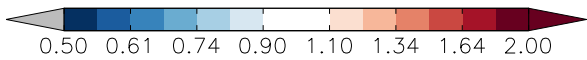
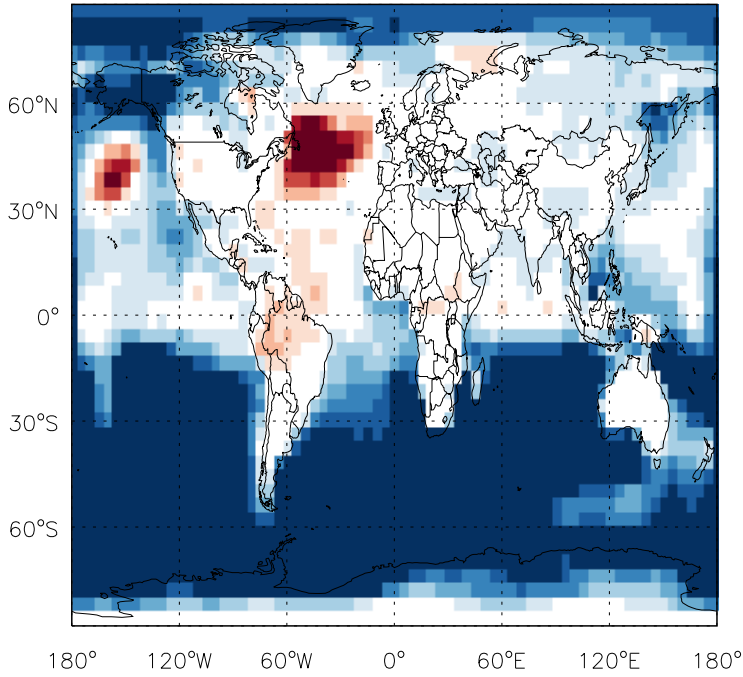
v11-01d-Run0 / v10-01-public-Run0  
NO2 / Ratio @ 500 hPa for Oct



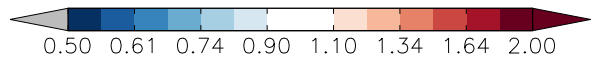
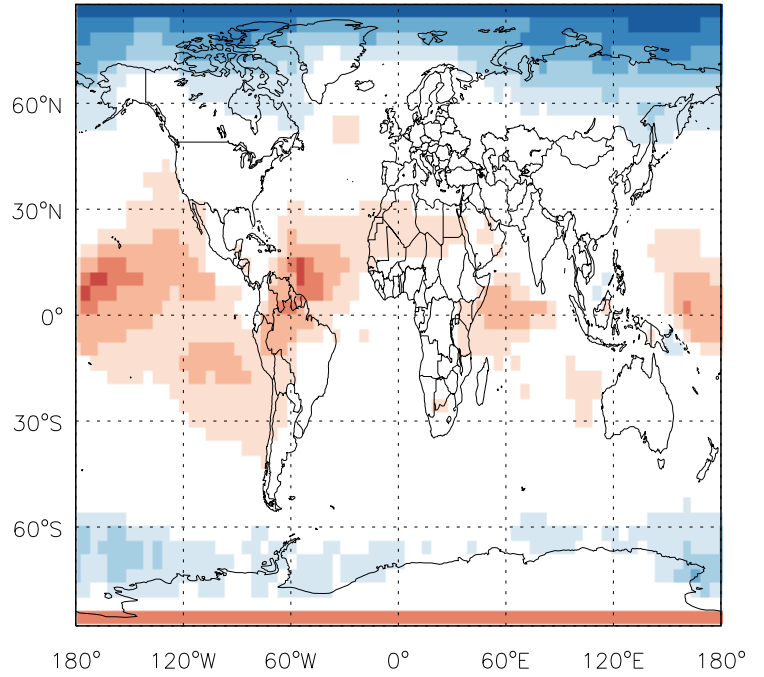


GEOS-Chem Ratio Maps at surface and 500 hPa

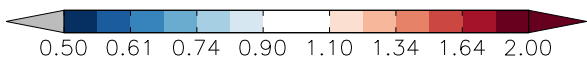
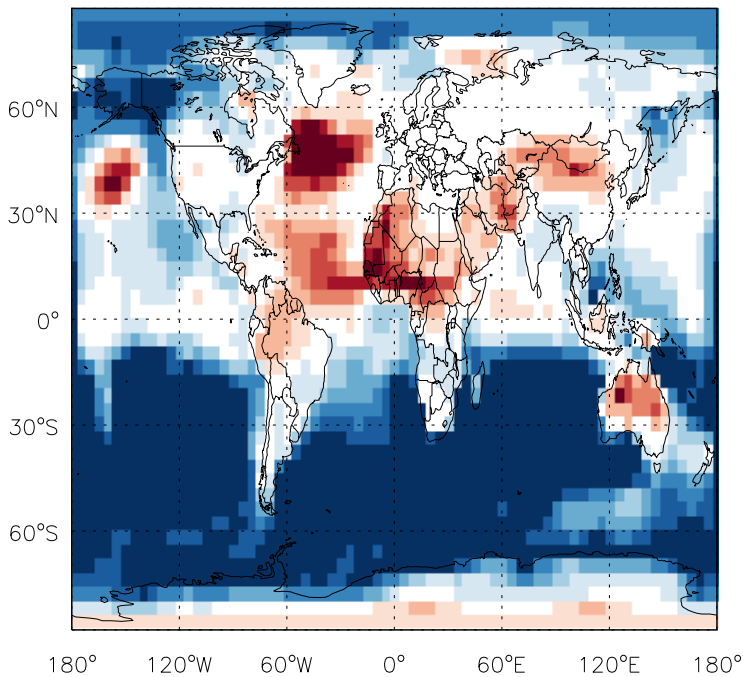
v11-01d-Run0 / v11-01b-Run0  
NO<sub>3</sub> / Ratio @ Surface for Oct



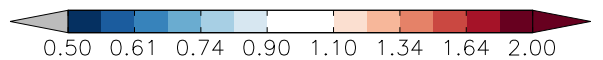
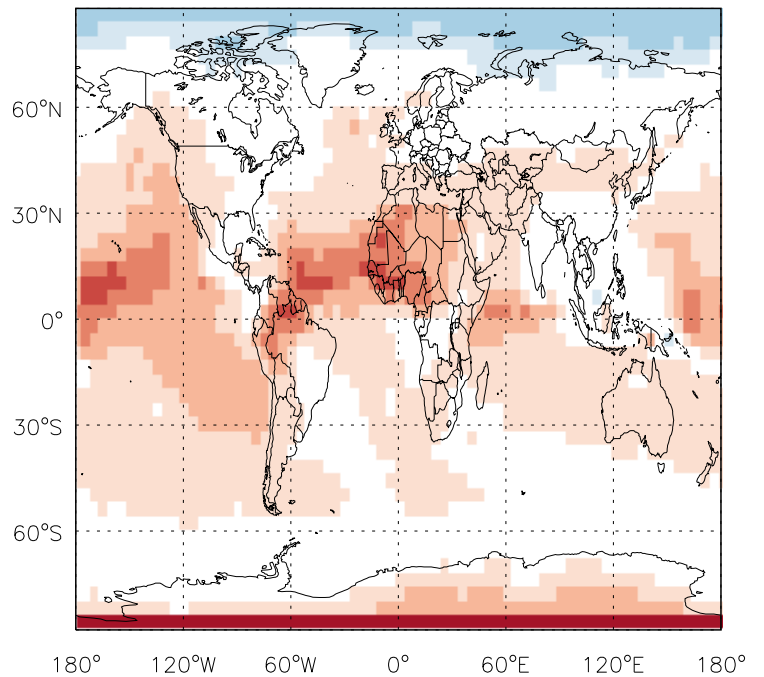
v11-01d-Run0 / v11-01b-Run0  
NO<sub>3</sub> / Ratio @ 500 hPa for Oct



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

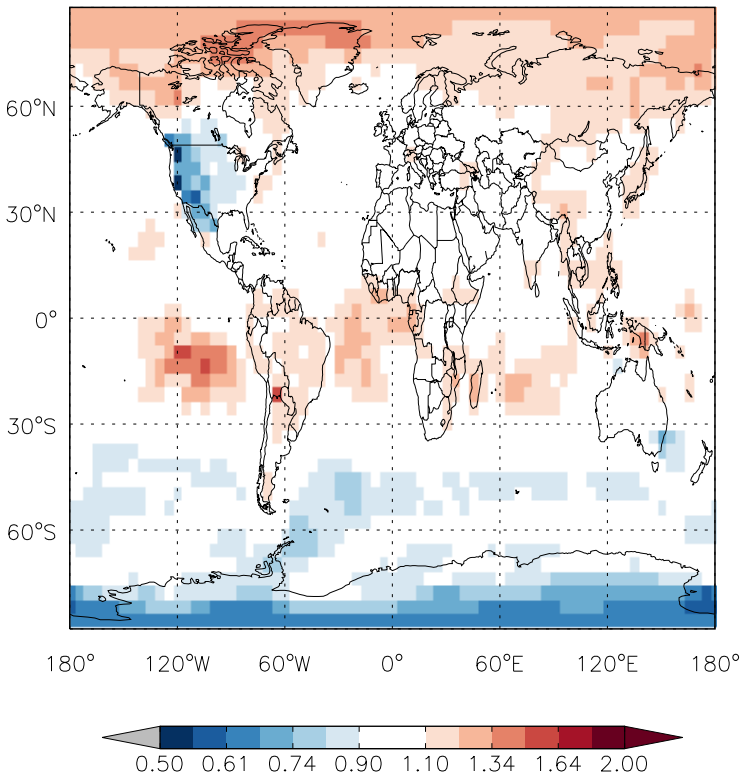


v11-01d-Run0 / v10-01-public-Run0  
NO<sub>3</sub> / Ratio @ 500 hPa for Oct

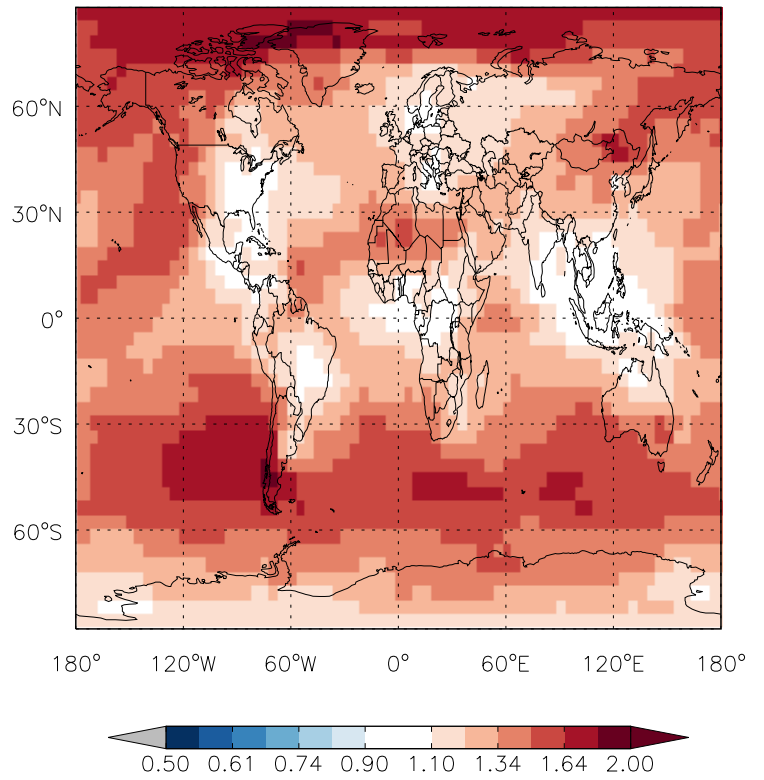


GEOS-Chem Ratio Maps at surface and 500 hPa

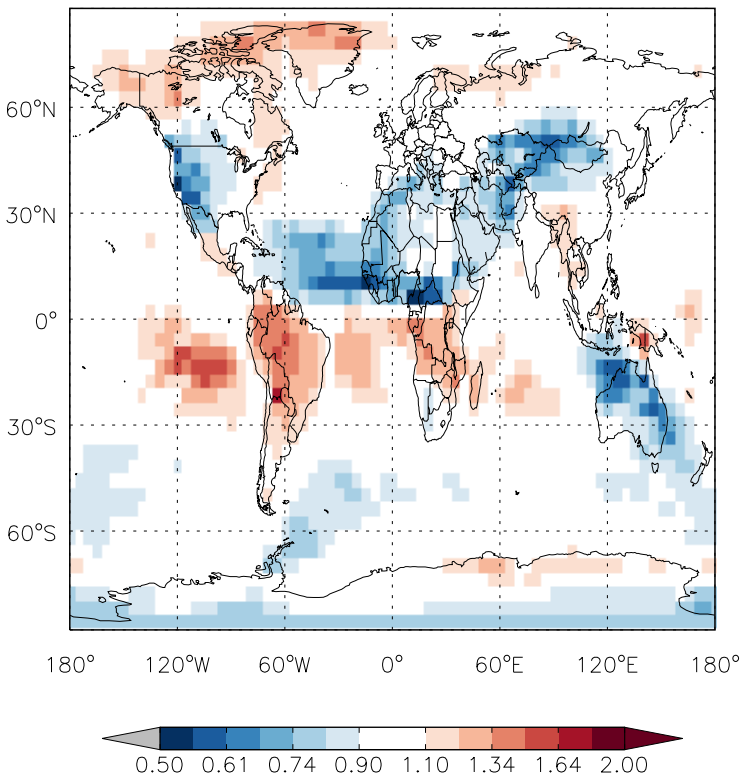
v11-01d-Run0 / v11-01b-Run0  
HN02 / Ratio @ Surface for Oct



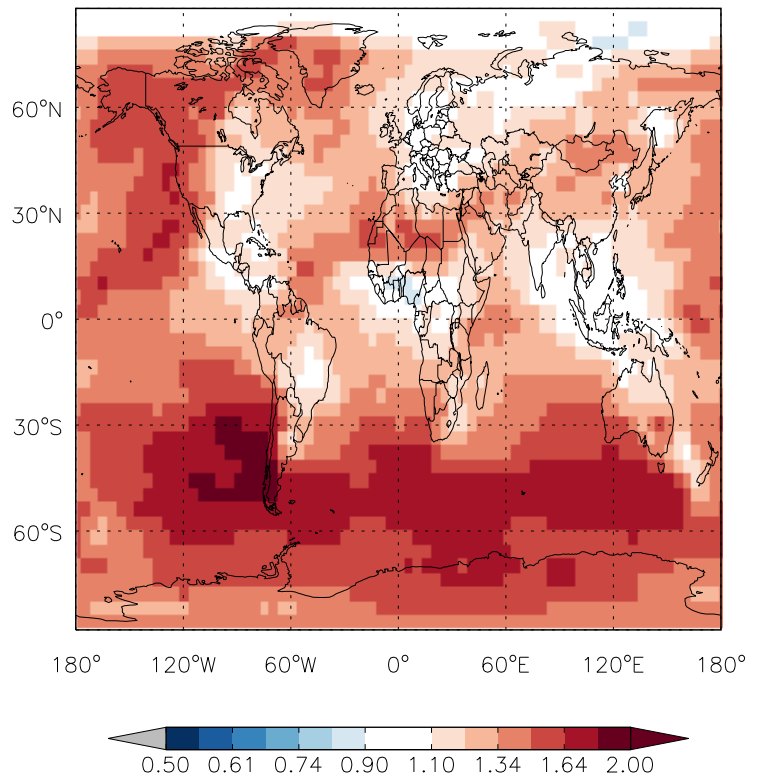
v11-01d-Run0 / v11-01b-Run0  
HN02/ Ratio @ 500 hPa for Oct



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

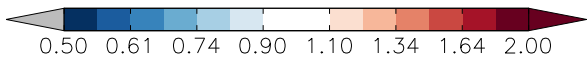
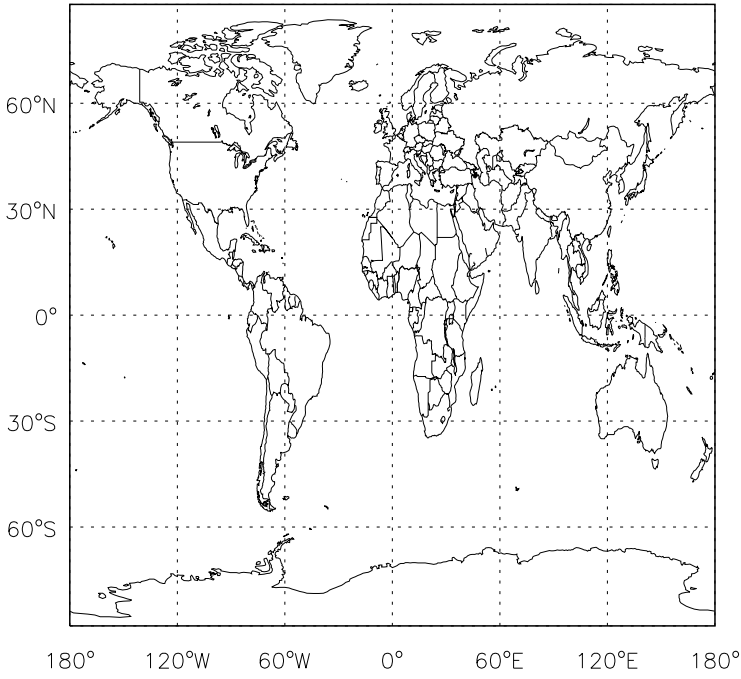


v11-01d-Run0 / v10-01-public-Run0  
HN02/ Ratio @ 500 hPa for Oct

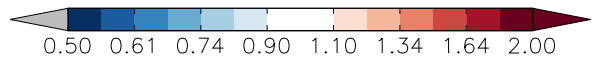
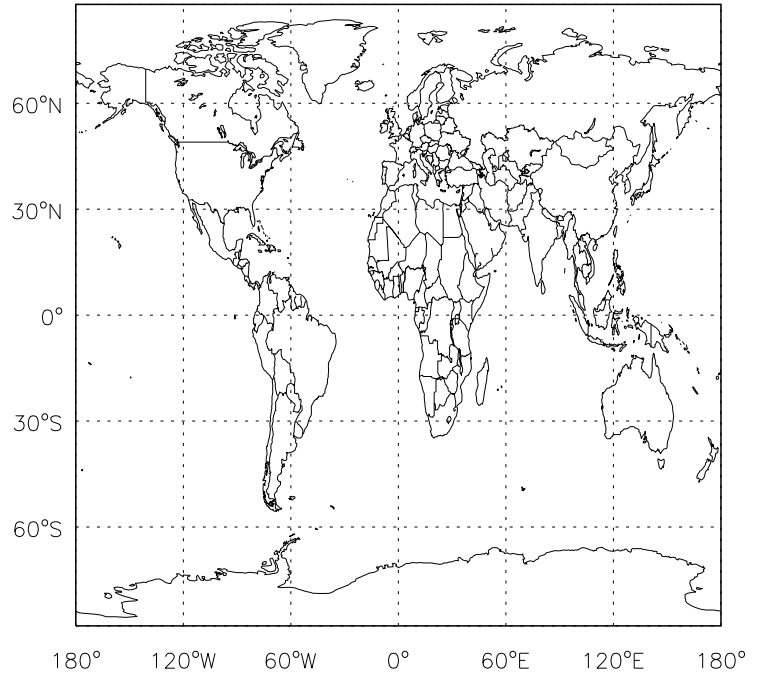


GEOS-Chem Ratio Maps at surface and 500 hPa

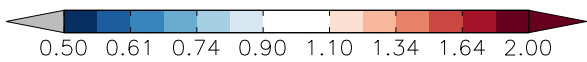
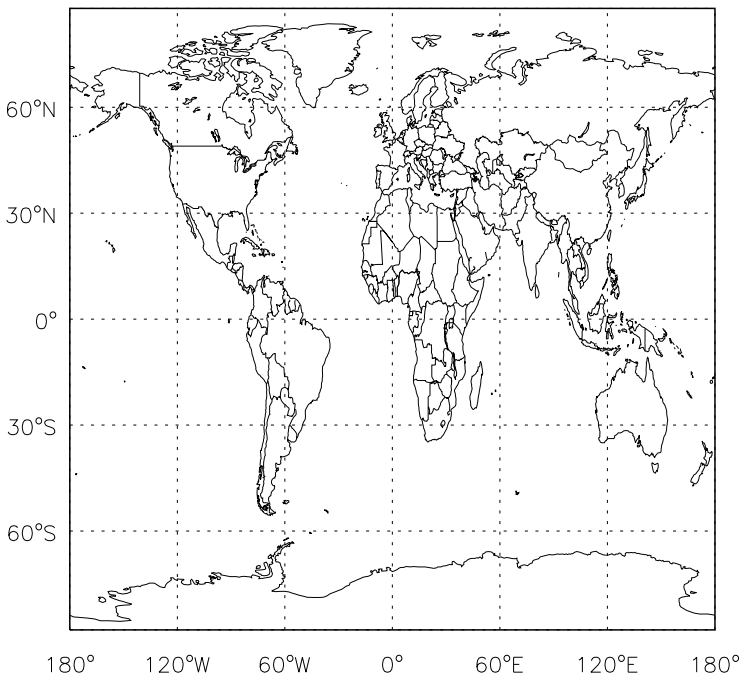
v11-01d-Run0 / v11-01b-Run0  
N2O / Ratio @ Surface for Oct



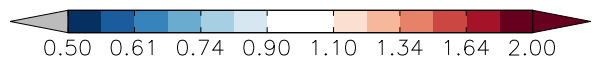
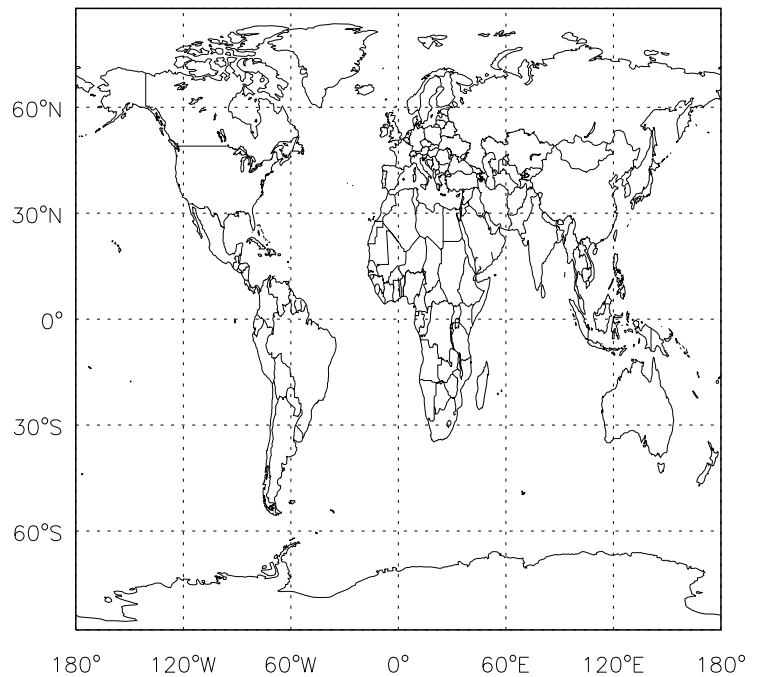
v11-01d-Run0 / v11-01b-Run0  
N2O / Ratio @ 500 hPa for Oct



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



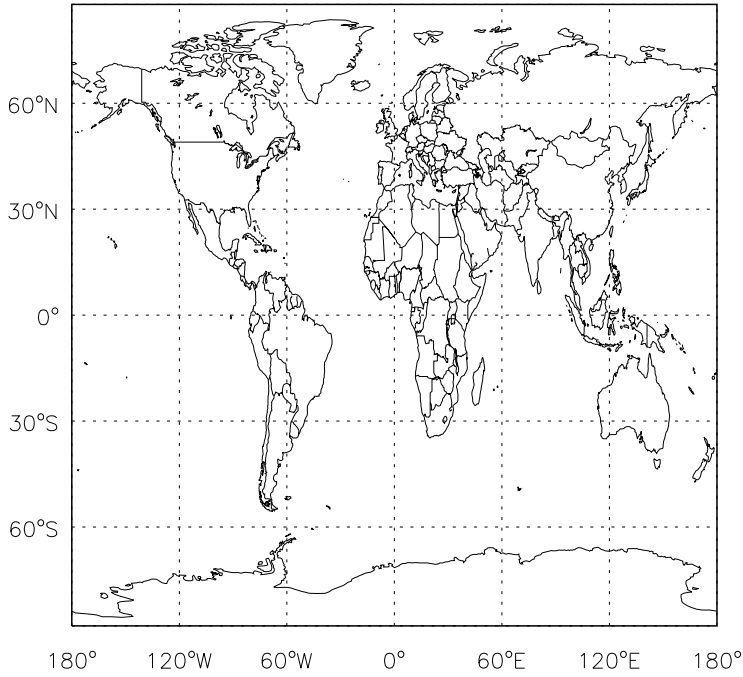
v11-01d-Run0 / v10-01-public-Run0  
N2O / Ratio @ 500 hPa for Oct



GEOS-Chem Ratio Maps at surface and 500 hPa

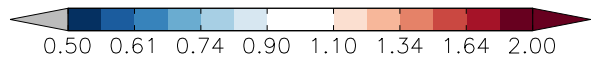
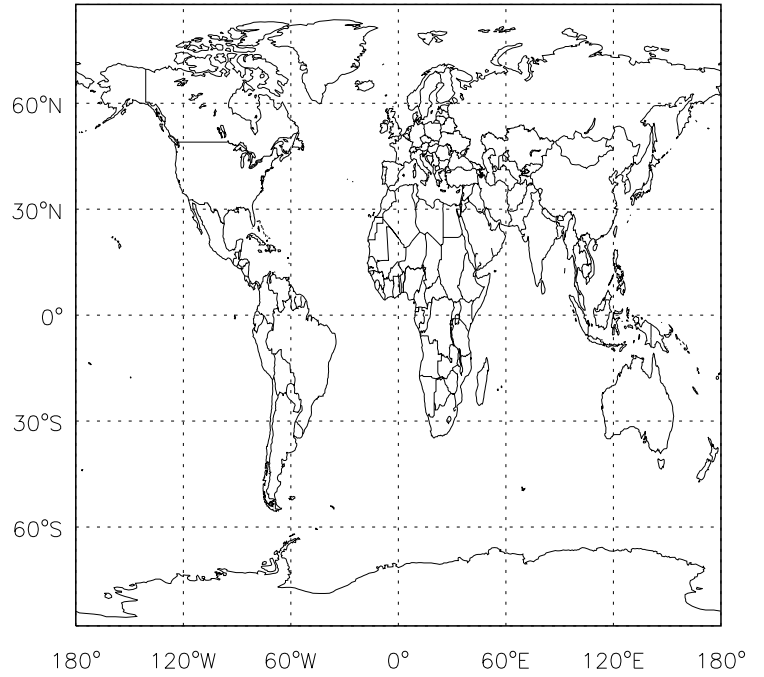
v11-01d-Run0 / v11-01b-Run0

OCS / Ratio @ Surface for Oct



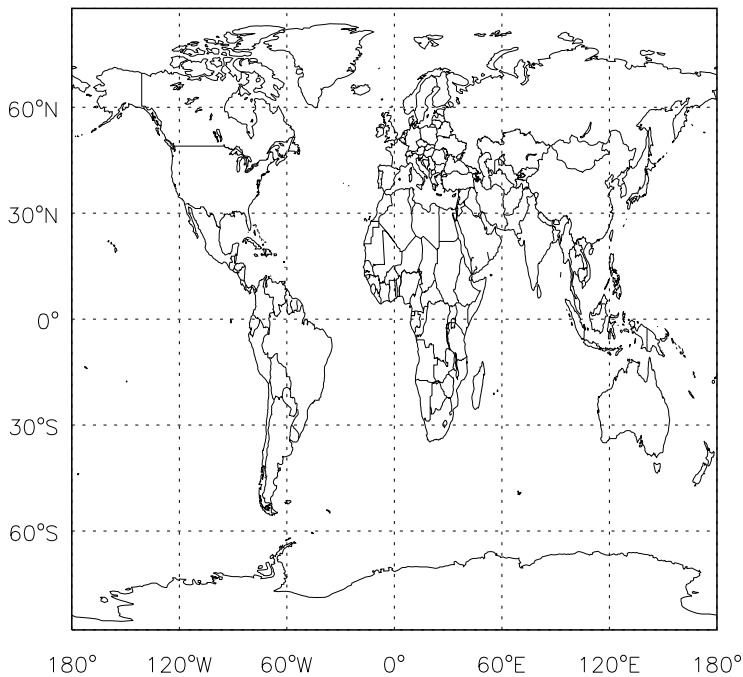
v11-01d-Run0 / v11-01b-Run0

OCS/ Ratio @ 500 hPa for Oct



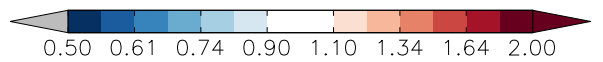
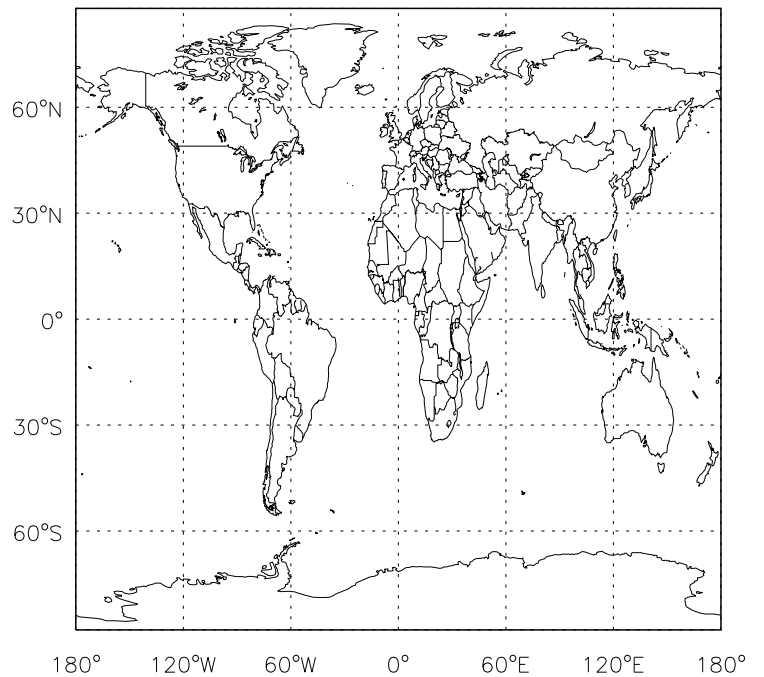
v11-01d-Run0 / v10-01-public-Run0

OCS / Ratio @ Surface for Oct



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

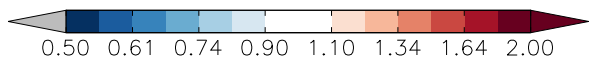
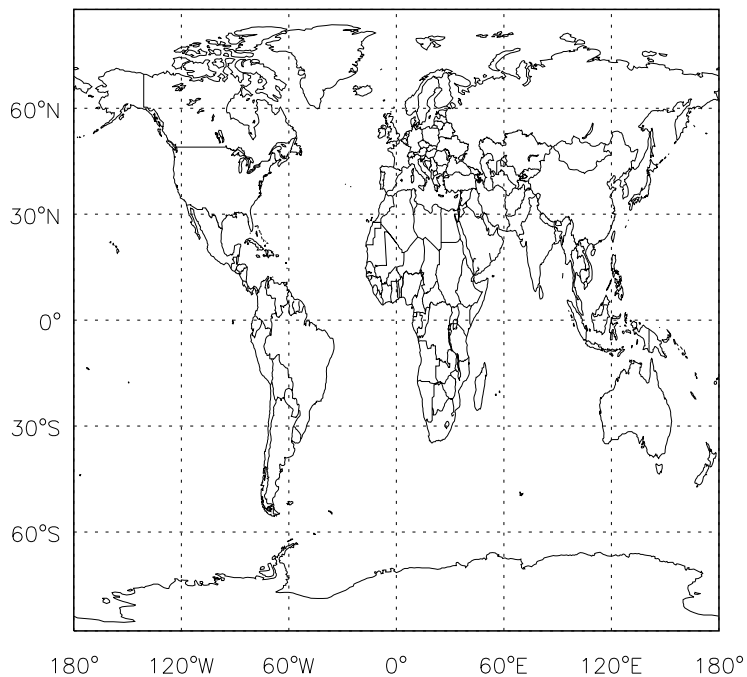
OCS/ Ratio @ 500 hPa for Oct



# GEOS-Chem Ratio Maps at surface and 500 hPa

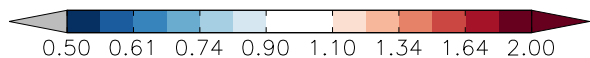
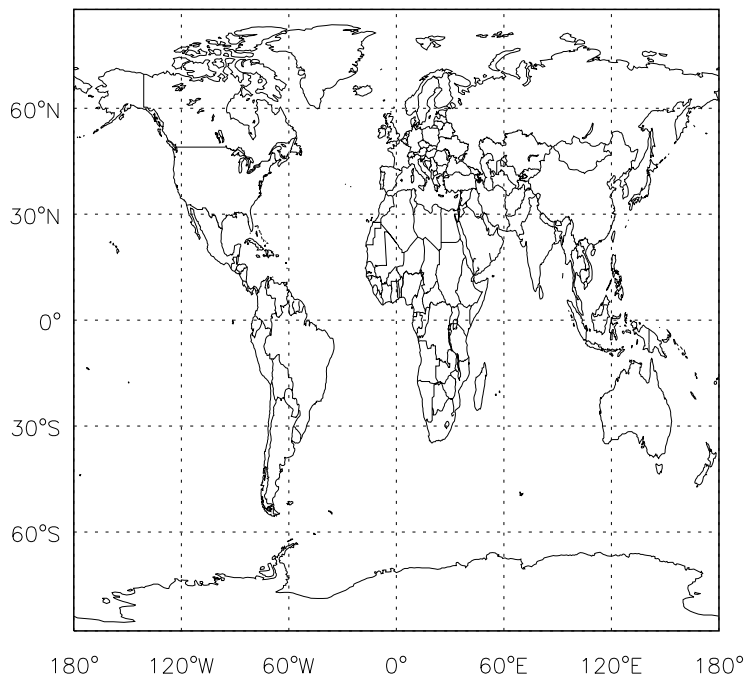
v11-01d-Run0 / v11-01b-Run0

CH4 / Ratio @ Surface for Oct



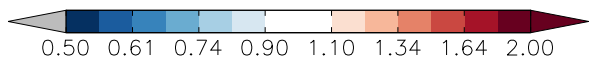
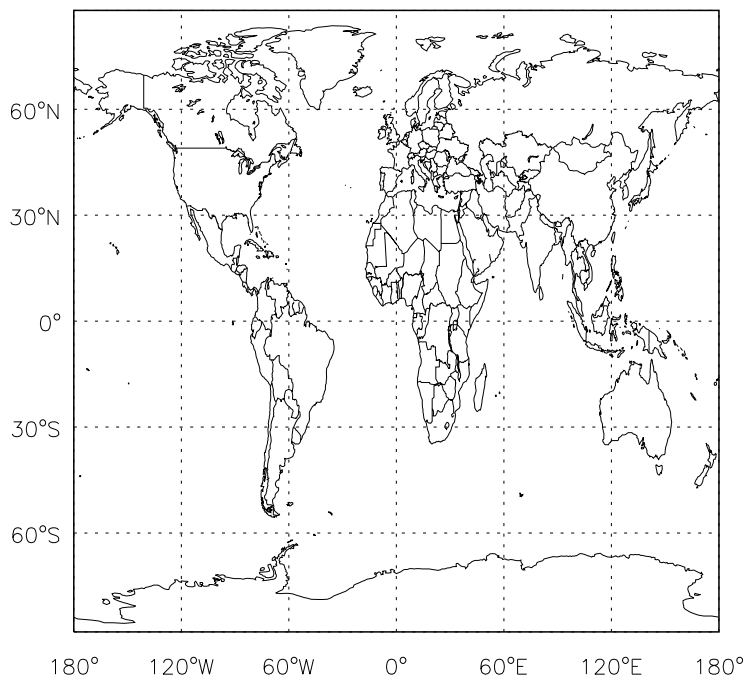
v11-01d-Run0 / v11-01b-Run0

CH4/ Ratio @ 500 hPa for Oct



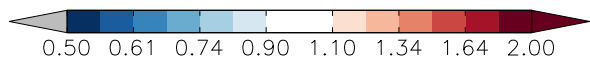
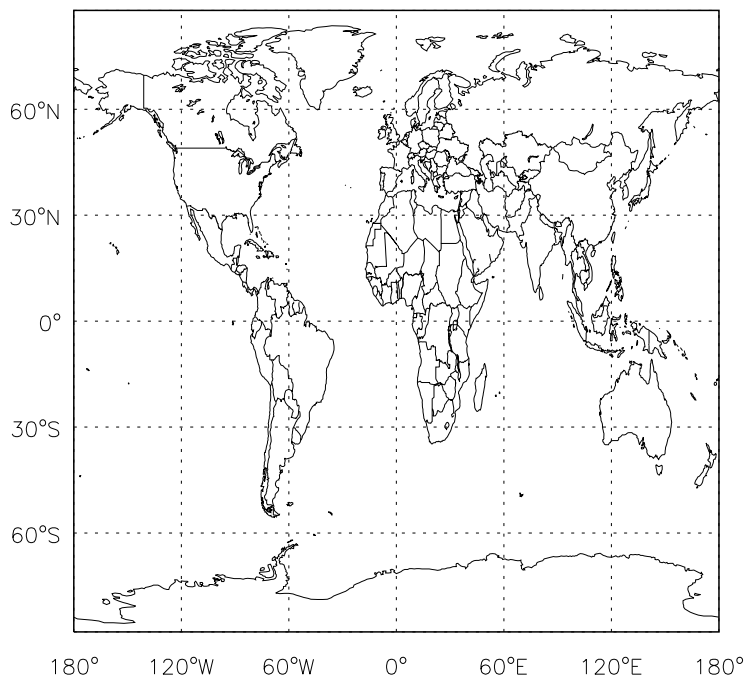
v11-01d-Run0 / v10-01-public-Run0

CH4 / Ratio @ Surface for Oct



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

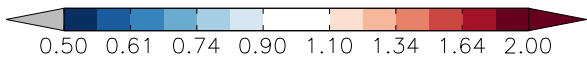
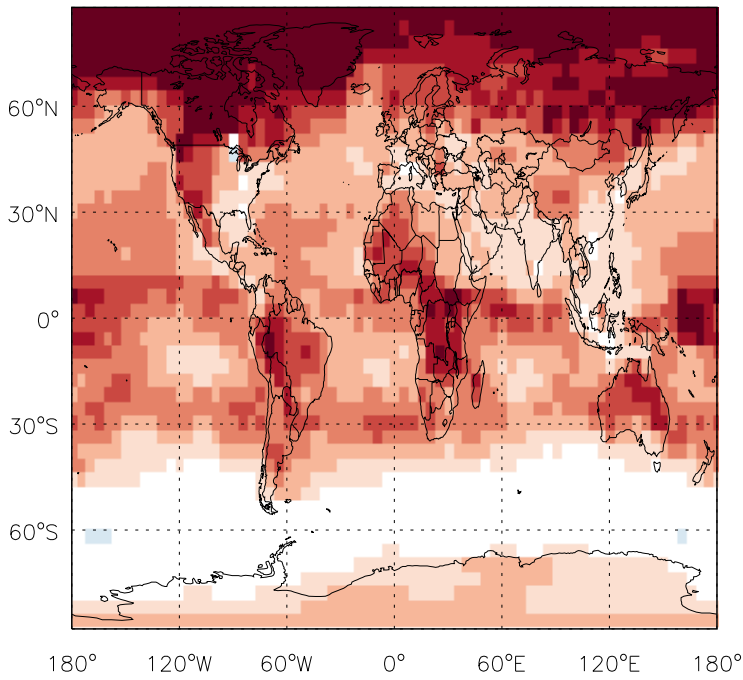
CH4/ Ratio @ 500 hPa for Oct



# GEOS-Chem Ratio Maps at surface and 500 hPa

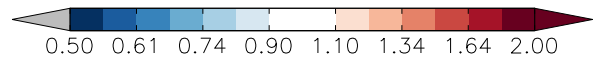
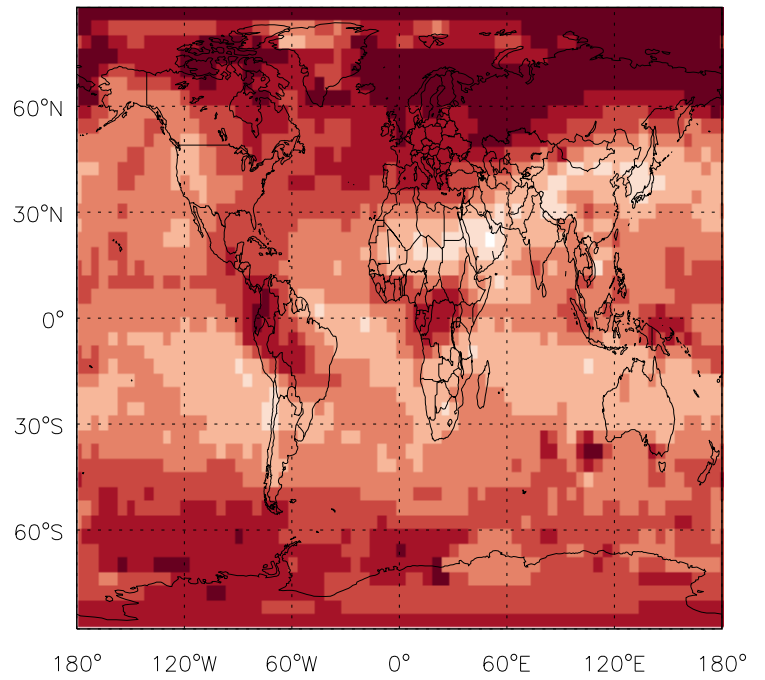
v11-01d-Run0 / v11-01b-Run0

BrCl / Ratio @ Surface for Oct



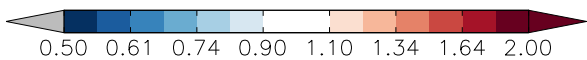
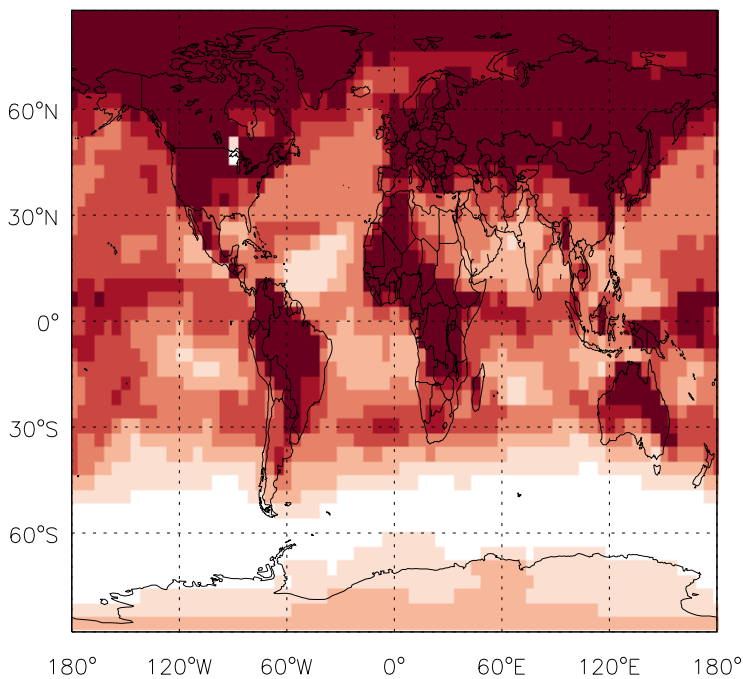
v11-01d-Run0 / v11-01b-Run0

BrCl / Ratio @ 500 hPa for Oct



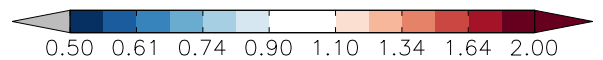
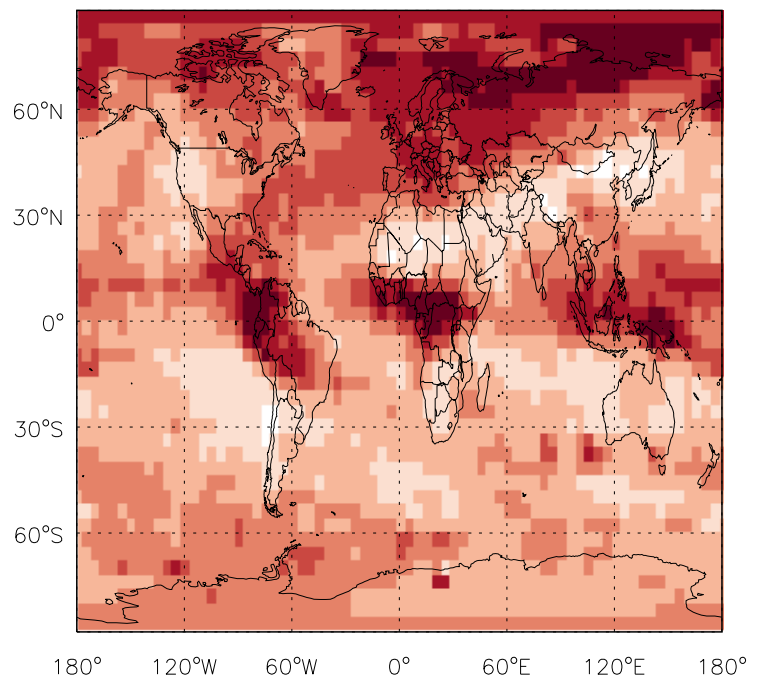
v11-01d-Run0 / v10-01-public-Run0

BrCl / Ratio @ Surface for Oct



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

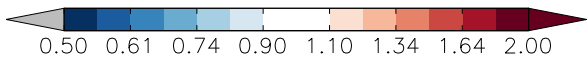
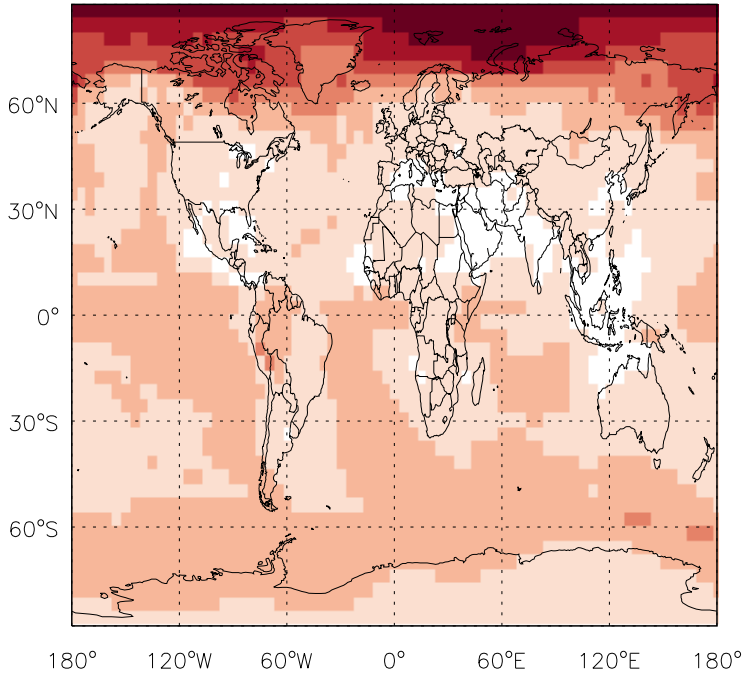
BrCl / Ratio @ 500 hPa for Oct



GEOS-Chem Ratio Maps at surface and 500 hPa

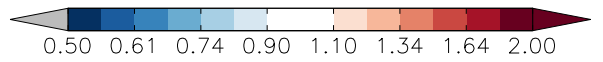
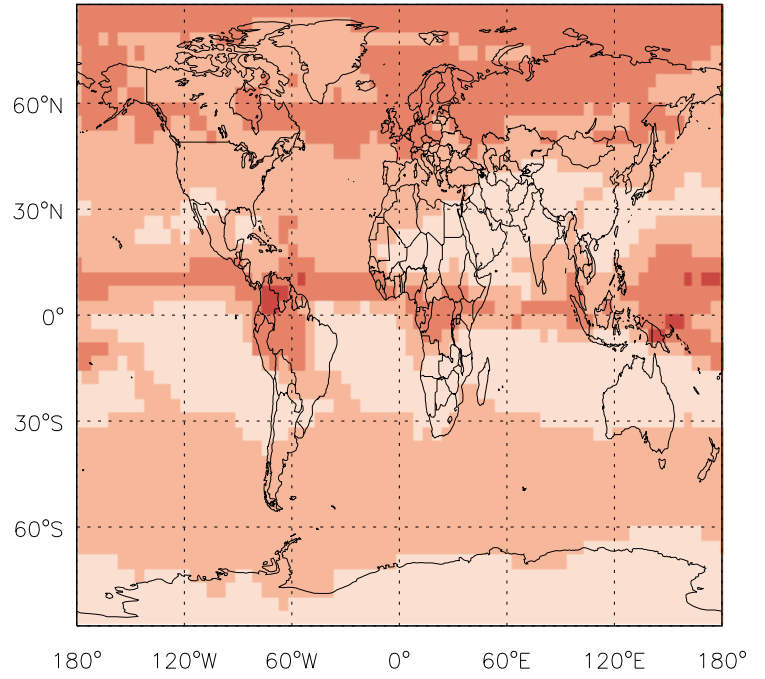
v11-01d-Run0 / v11-01b-Run0

HCl / Ratio @ Surface for Oct



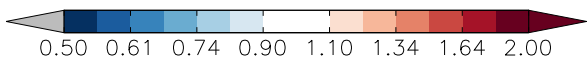
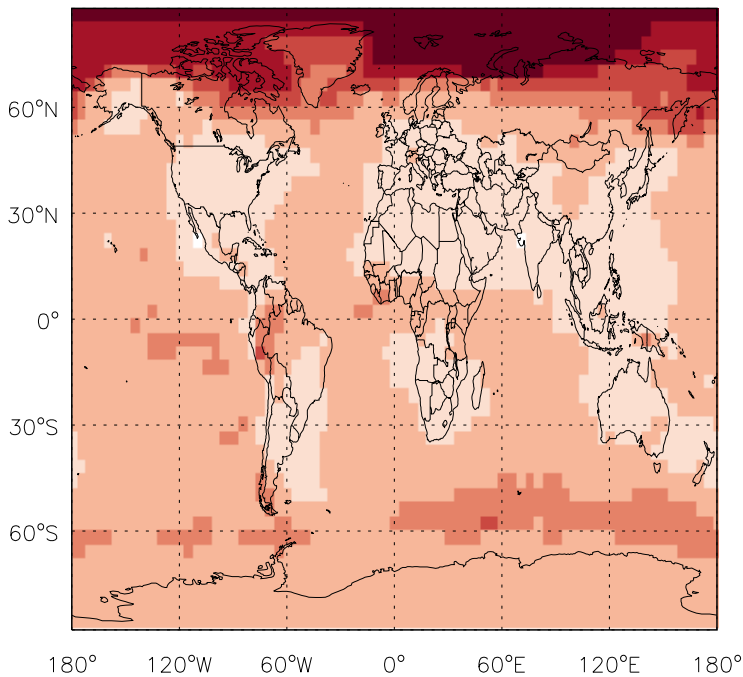
v11-01d-Run0 / v11-01b-Run0

HCl / Ratio @ 500 hPa for Oct



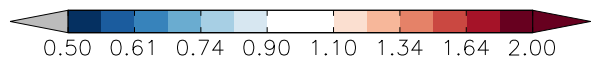
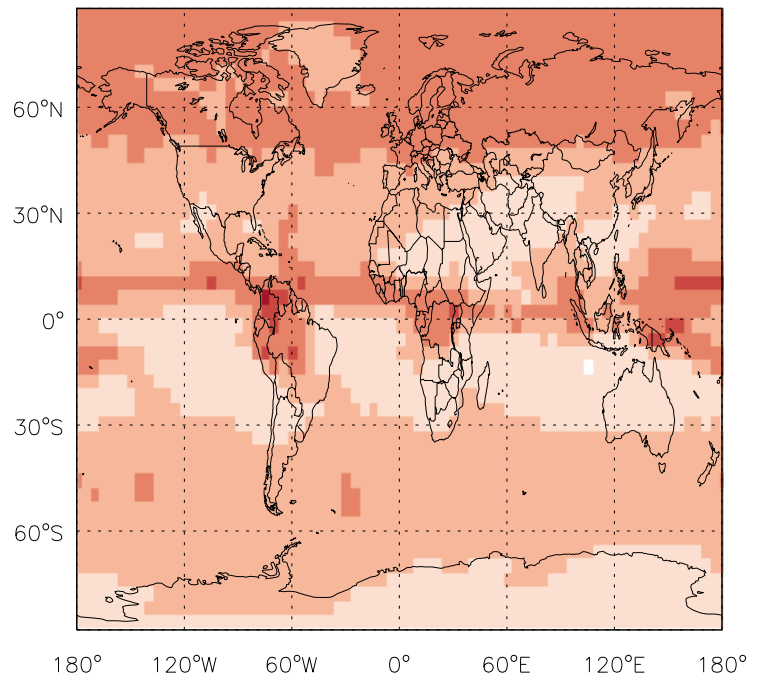
v11-01d-Run0 / v10-01-public-Run0

HCl / Ratio @ Surface for Oct



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

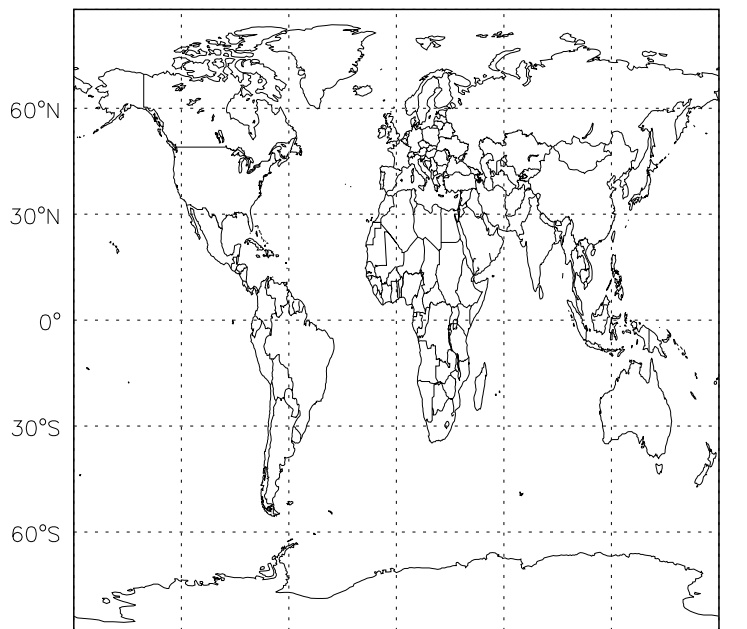
HCl / Ratio @ 500 hPa for Oct



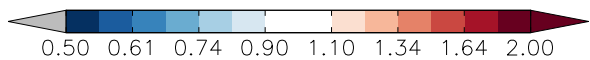
GEOS-Chem Ratio Maps at surface and 500 hPa

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

CCI4 / Ratio @ Surface for Oct

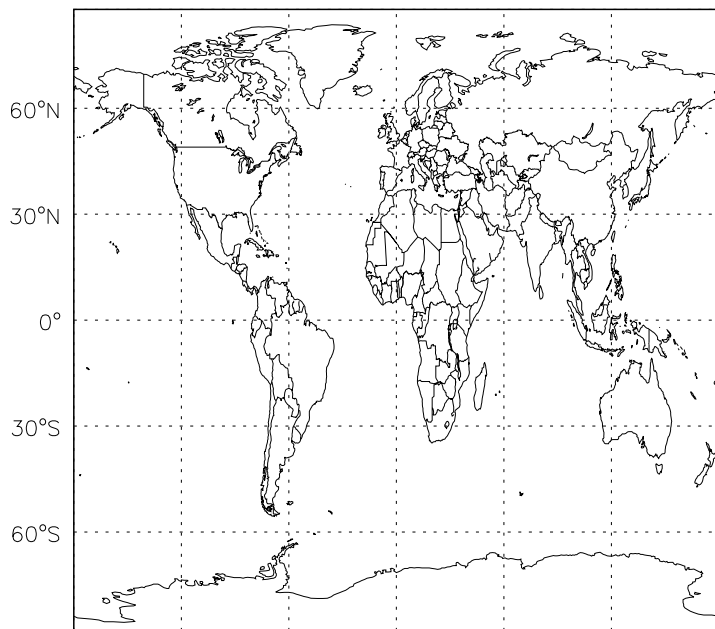


180° 120°W 60°W 0° 60°E 120°E 180°

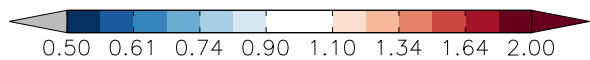


v11-01d-Run0 / v11-01b-Run0

CCI4/ Ratio @ 500 hPa for Oct

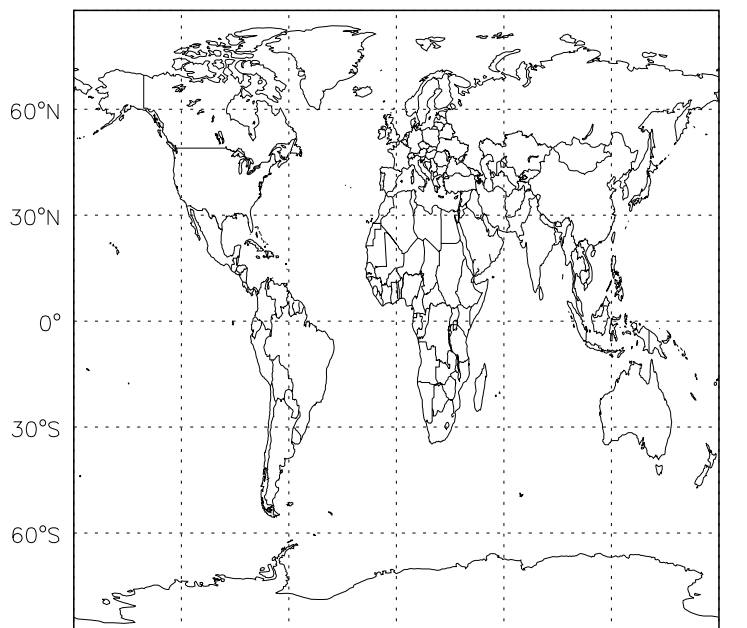


180° 120°W 60°W 0° 60°E 120°E 180°

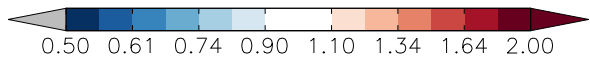


v11-01d-Run0 / v10-01-public-Run0

CCI4 / Ratio @ Surface for Oct

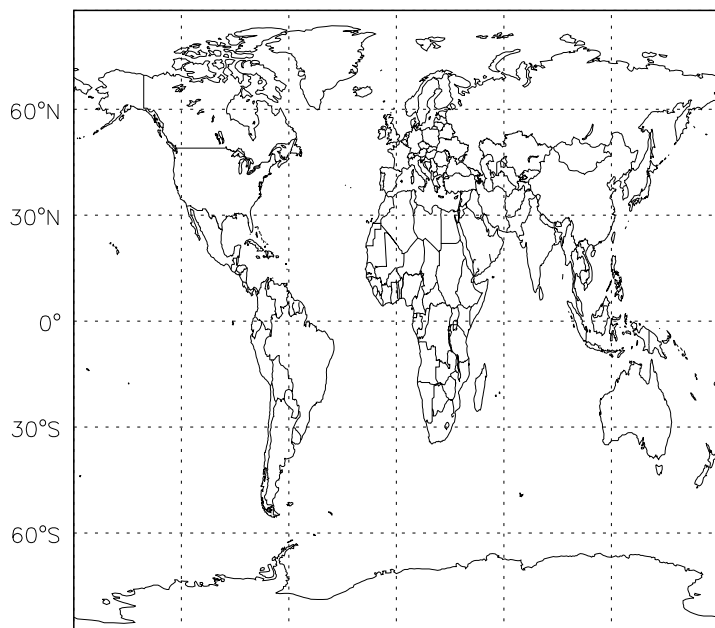


180° 120°W 60°W 0° 60°E 120°E 180°

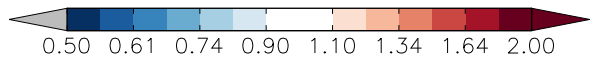


v11-01d-Run0 / v10-01-public-Run0

CCI4/ Ratio @ 500 hPa for Oct



180° 120°W 60°W 0° 60°E 120°E 180°

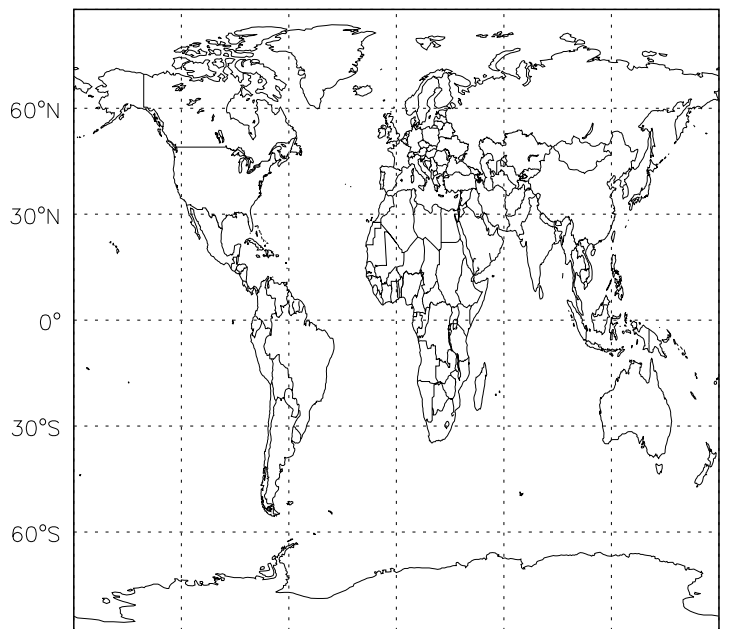




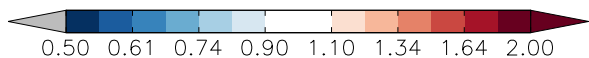
GEOS-Chem Ratio Maps at surface and 500 hPa

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

CH3Cl / Ratio @ Surface for Oct

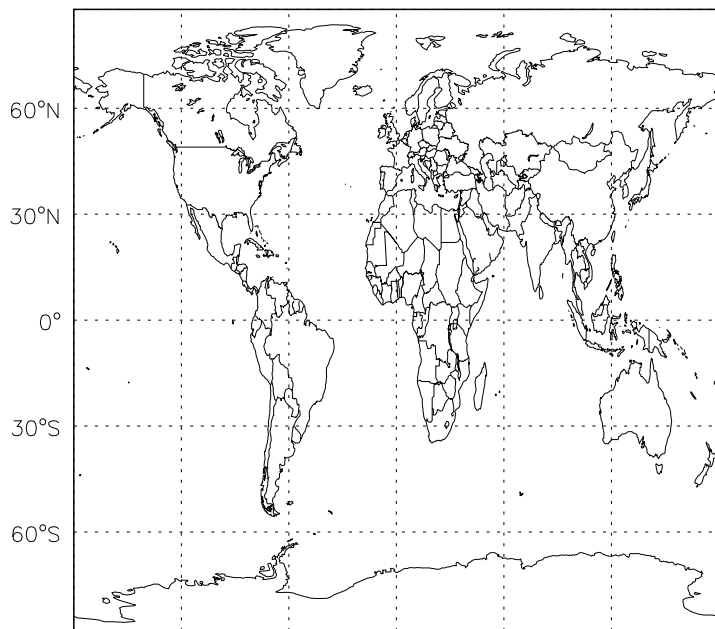


180° 120°W 60°W 0° 60°E 120°E 180°

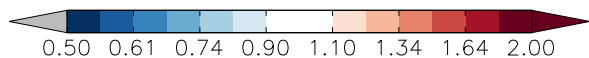


v11-01d-Run0 / v11-01b-Run0

CH3Cl/ Ratio @ 500 hPa for Oct

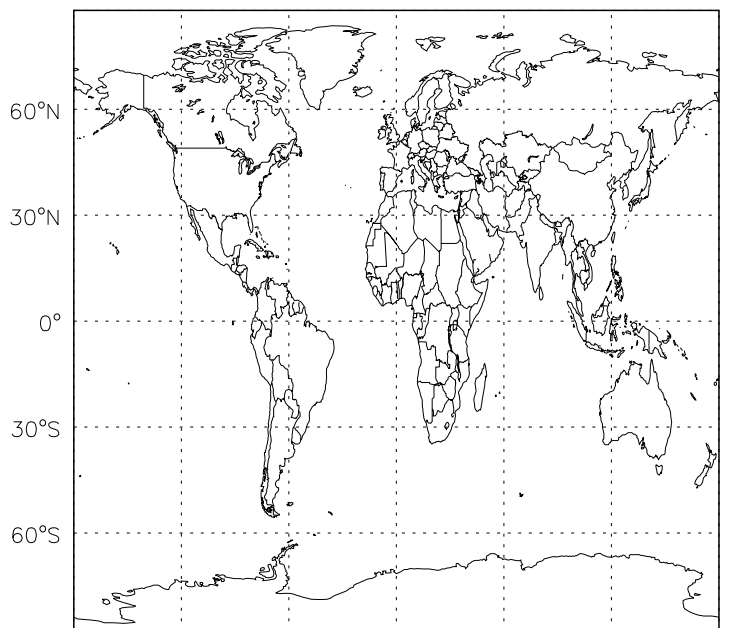


180° 120°W 60°W 0° 60°E 120°E 180°

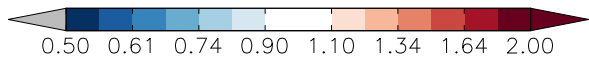


v11-01d-Run0 / v10-01-public-Run0

CH3Cl / Ratio @ Surface for Oct

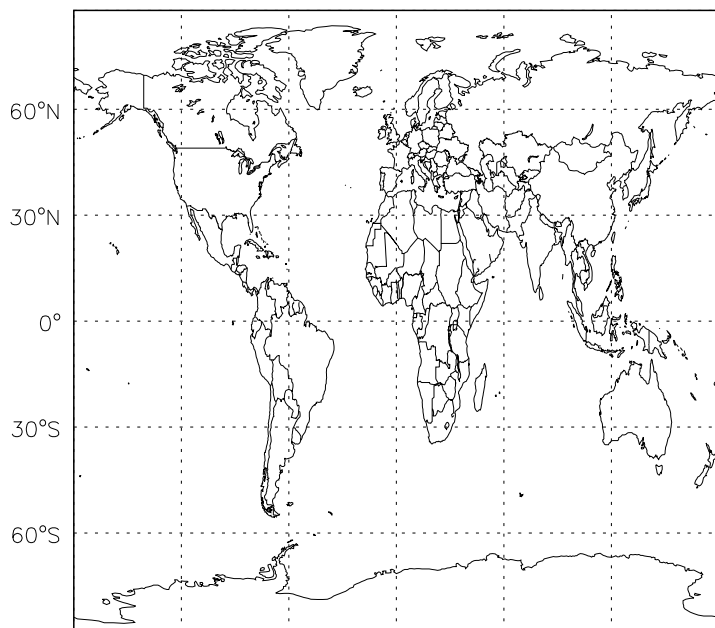


180° 120°W 60°W 0° 60°E 120°E 180°

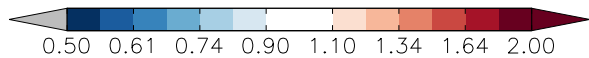


v11-01d-Run0 / v10-01-public-Run0

CH3Cl/ Ratio @ 500 hPa for Oct

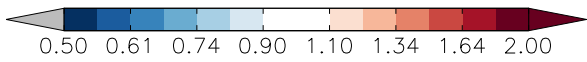
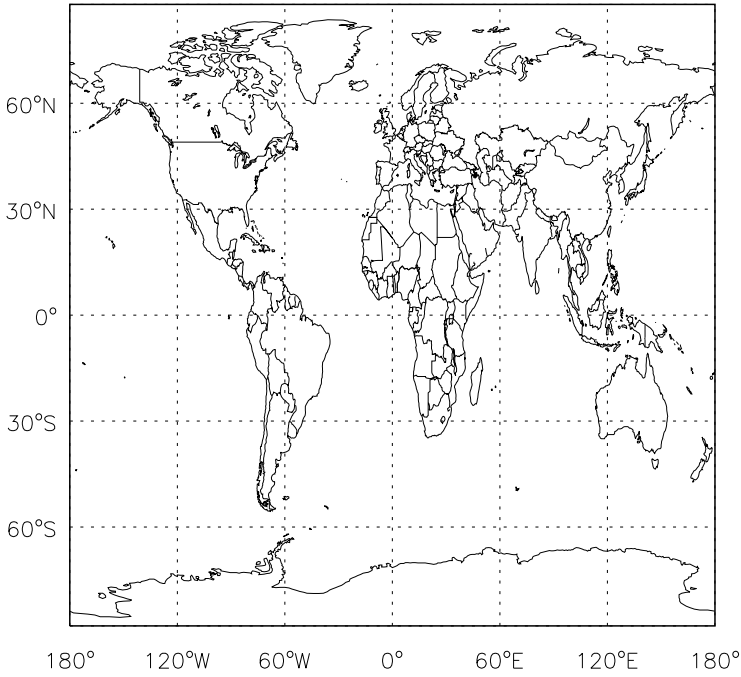


180° 120°W 60°W 0° 60°E 120°E 180°

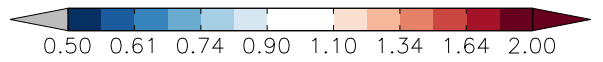
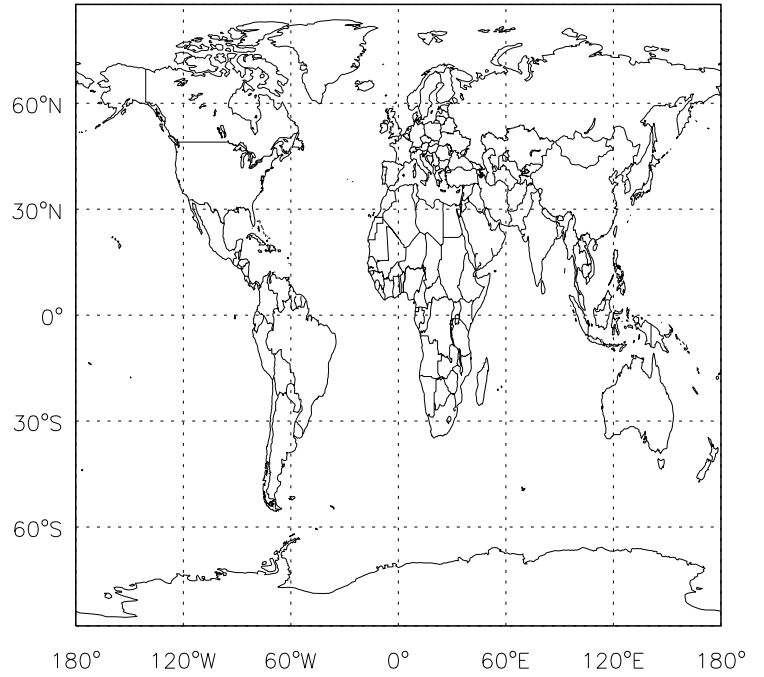


GEOS-Chem Ratio Maps at surface and 500 hPa

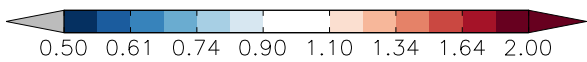
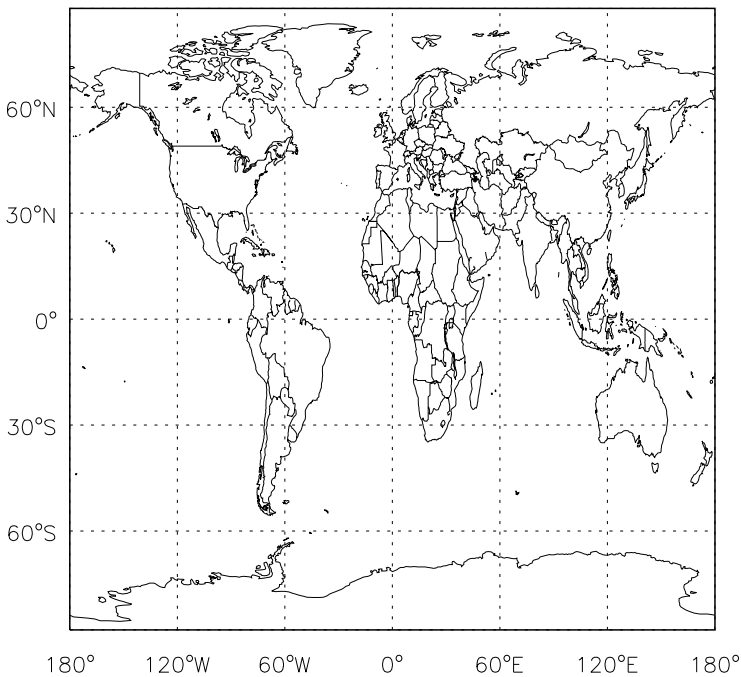
v11-01d-Run0 / v11-01b-Run0  
CH3CCI3 / Ratio @ Surface for Oct



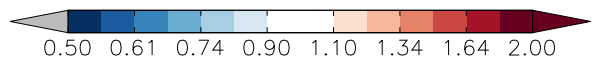
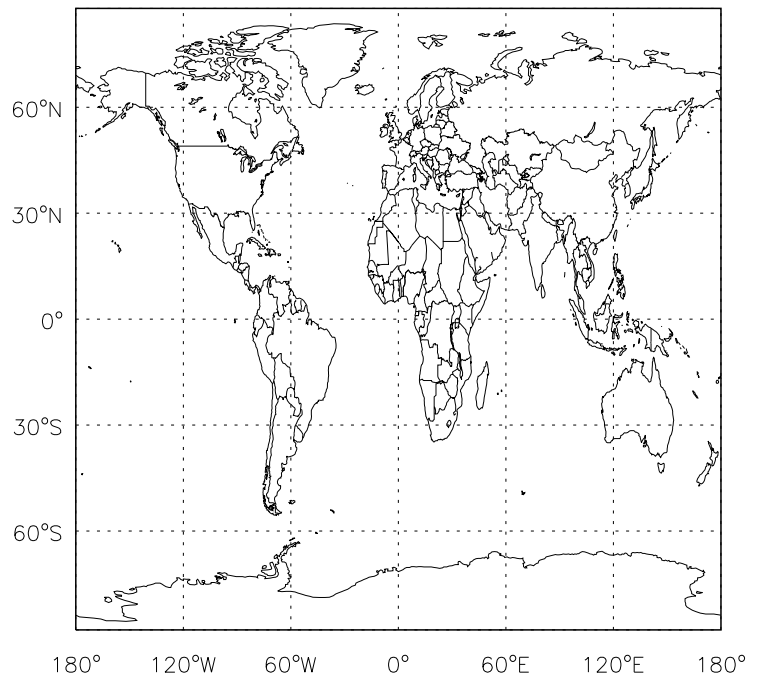
v11-01d-Run0 / v11-01b-Run0  
CH3CCI3/ Ratio @ 500 hPa for Oct



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



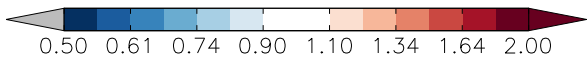
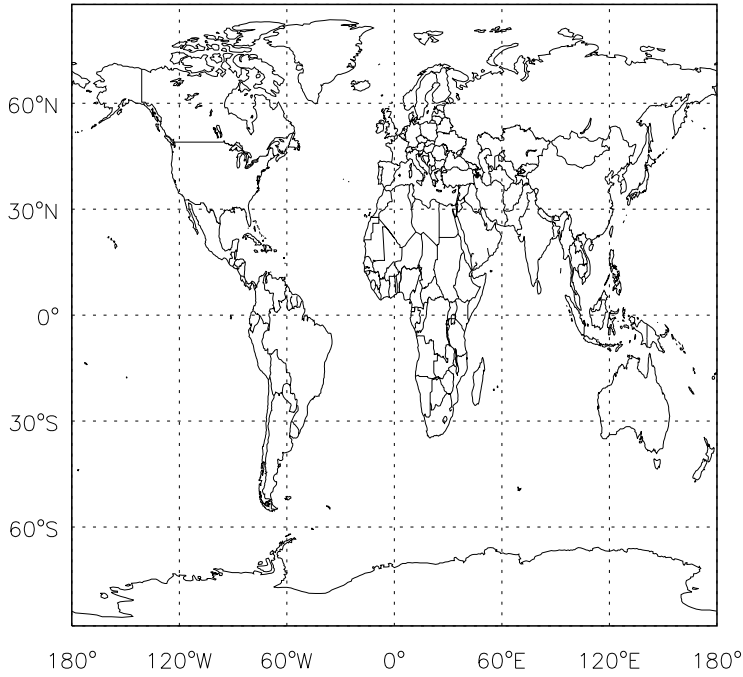
v11-01d-Run0 / v10-01-public-Run0  
CH3CCI3/ Ratio @ 500 hPa for Oct



GEOS-Chem Ratio Maps at surface and 500 hPa

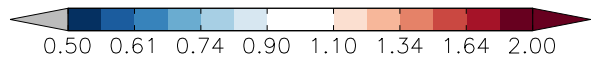
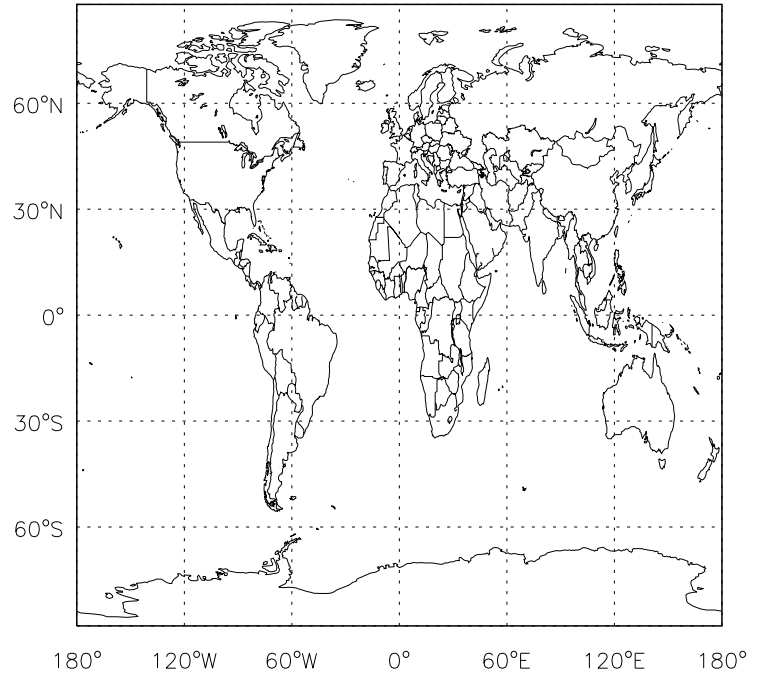
v11-01d-Run0 / v11-01b-Run0

CFCX / Ratio @ Surface for Oct



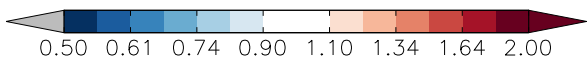
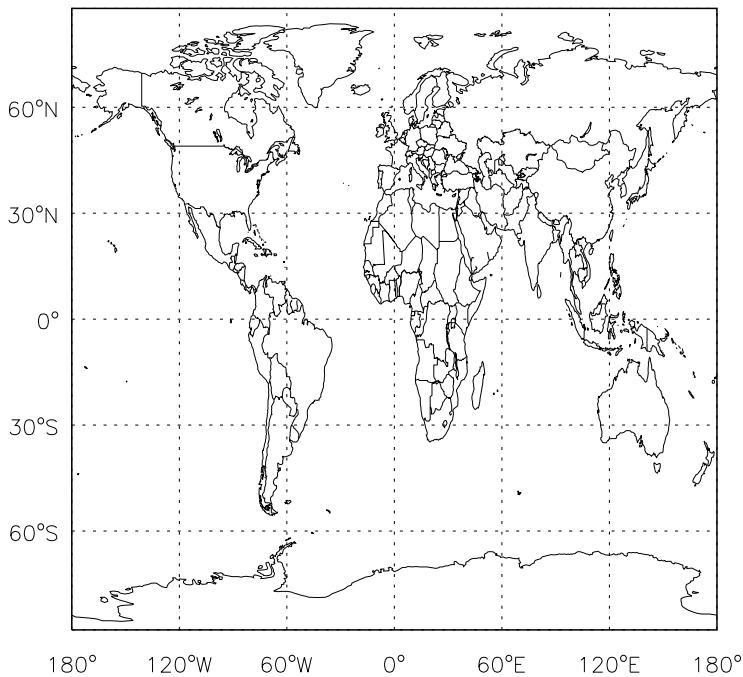
v11-01d-Run0 / v11-01b-Run0

CFCX/ Ratio @ 500 hPa for Oct



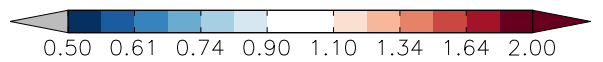
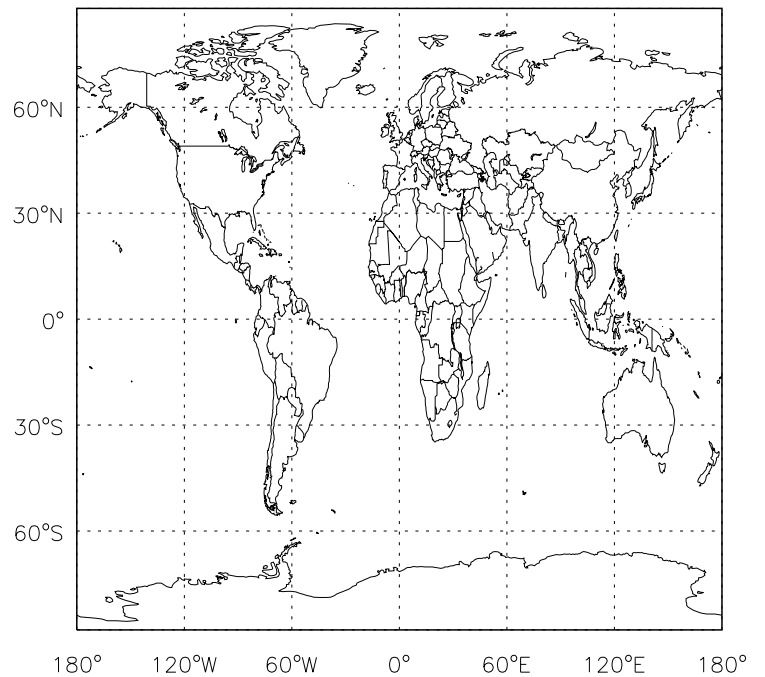
v11-01d-Run0 / v10-01-public-Run0

CFCX / Ratio @ Surface for Oct



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

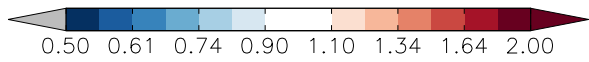
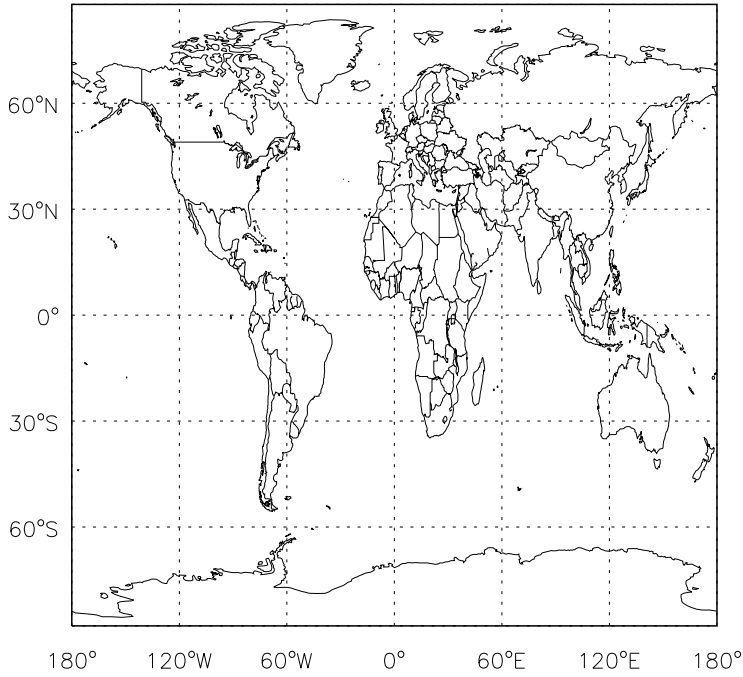
CFCX/ Ratio @ 500 hPa for Oct



# GEOS-Chem Ratio Maps at surface and 500 hPa

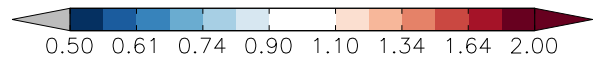
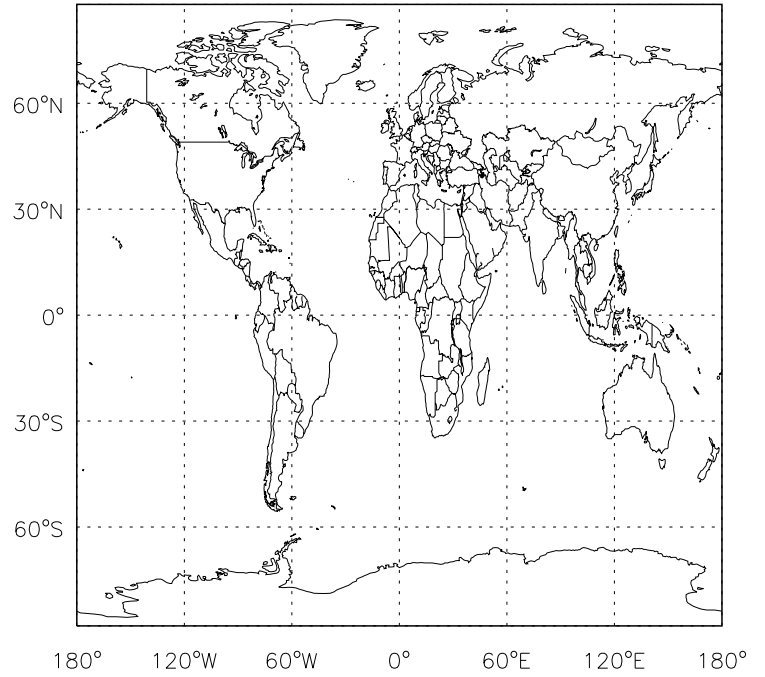
v11-01d-Run0 / v11-01b-Run0

HCFCX / Ratio @ Surface for Oct



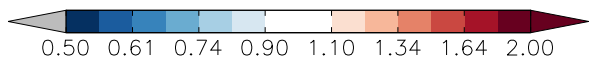
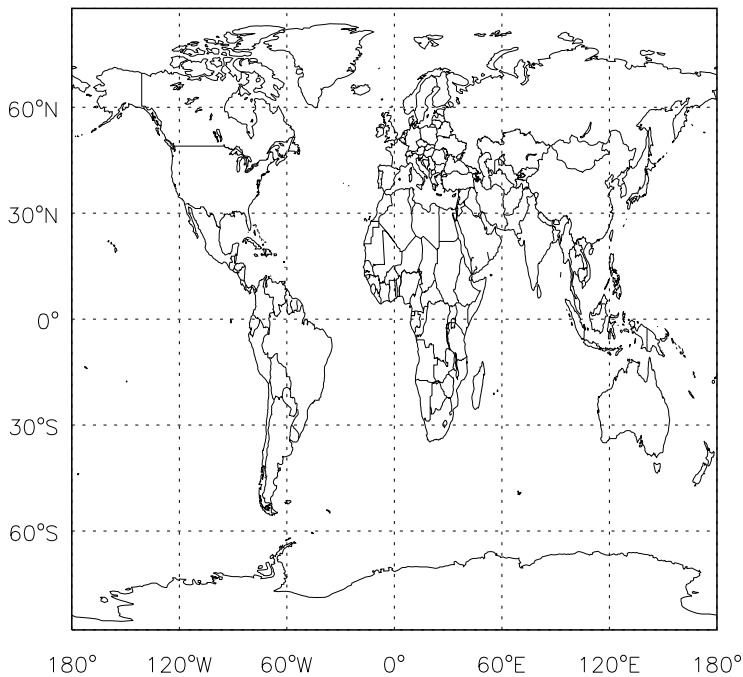
v11-01d-Run0 / v11-01b-Run0

HCFCX/ Ratio @ 500 hPa for Oct



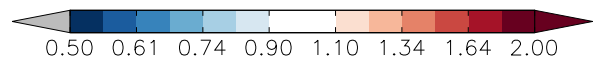
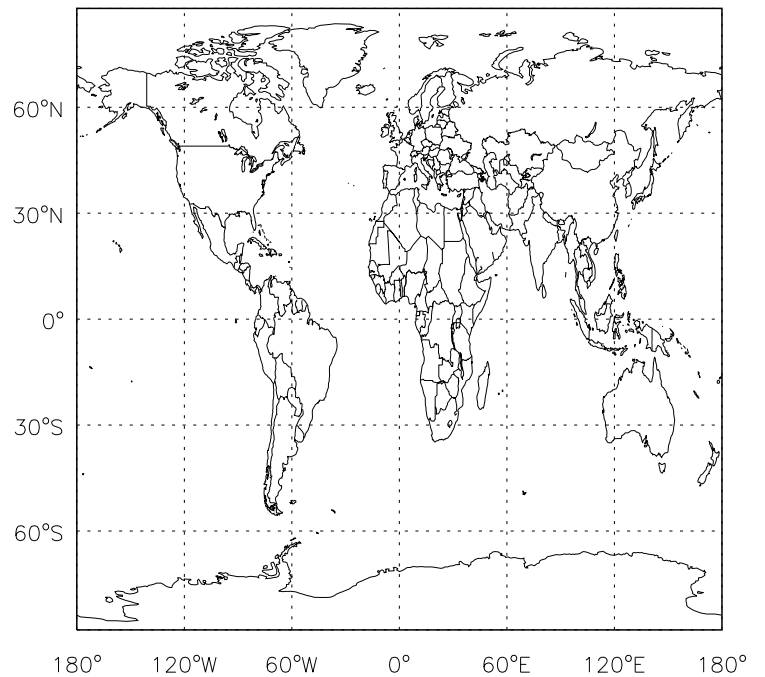
v11-01d-Run0 / v10-01-public-Run0

HCFCX / Ratio @ Surface for Oct



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

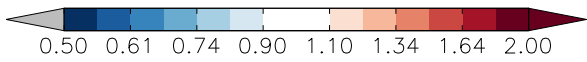
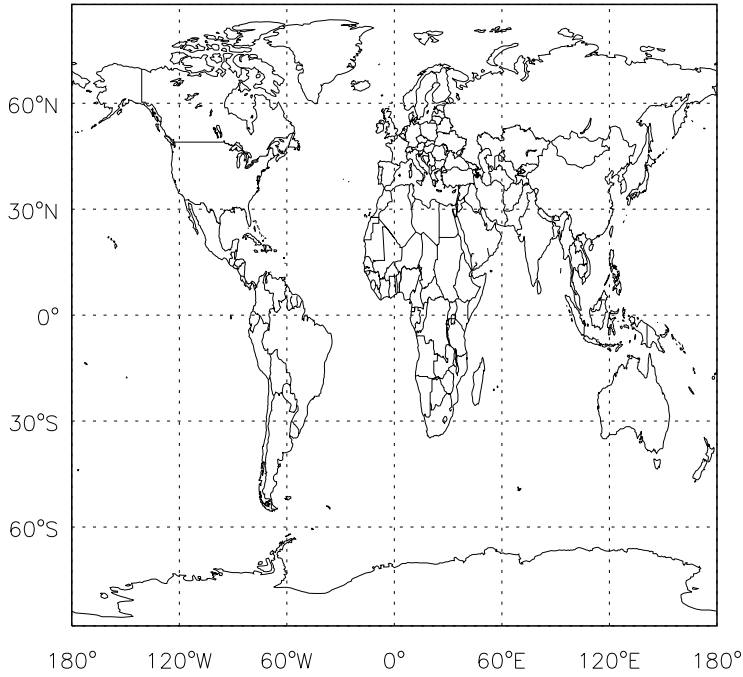
HCFCX/ Ratio @ 500 hPa for Oct



# GEOS-Chem Ratio Maps at surface and 500 hPa

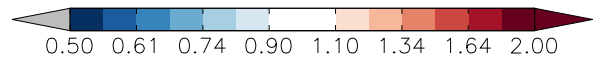
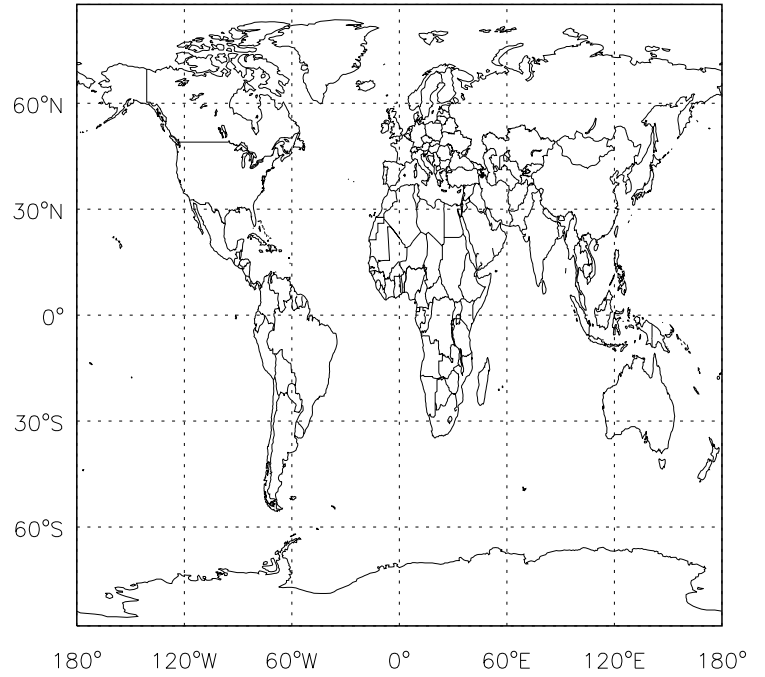
v11-01d-Run0 / v11-01b-Run0

CFC11 / Ratio @ Surface for Oct



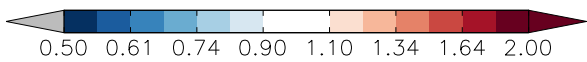
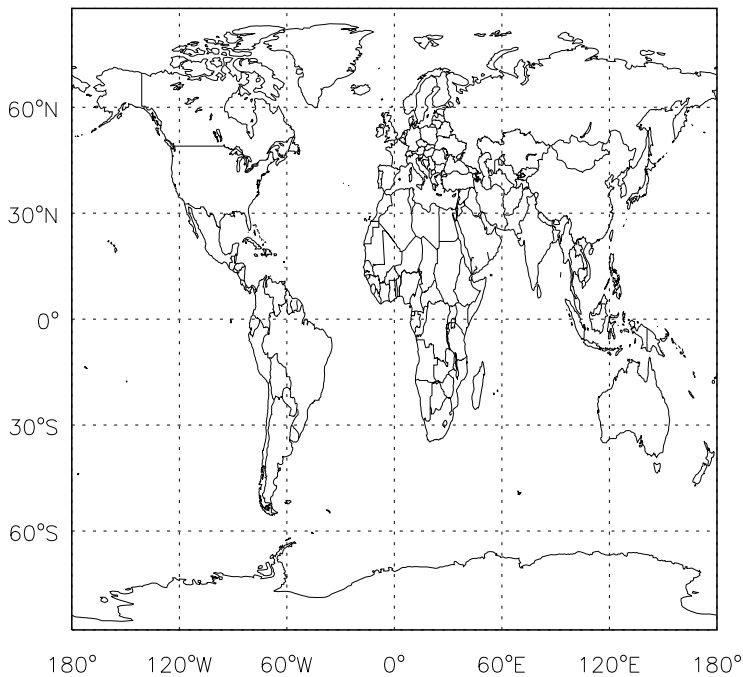
v11-01d-Run0 / v11-01b-Run0

CFC11/ Ratio @ 500 hPa for Oct



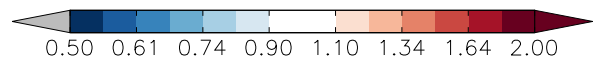
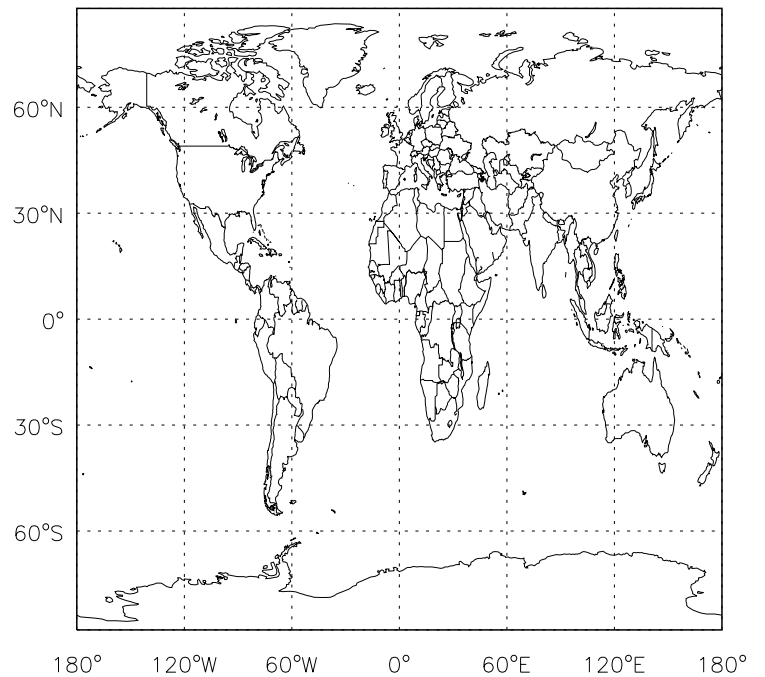
v11-01d-Run0 / v10-01-public-Run0

CFC11 / Ratio @ Surface for Oct



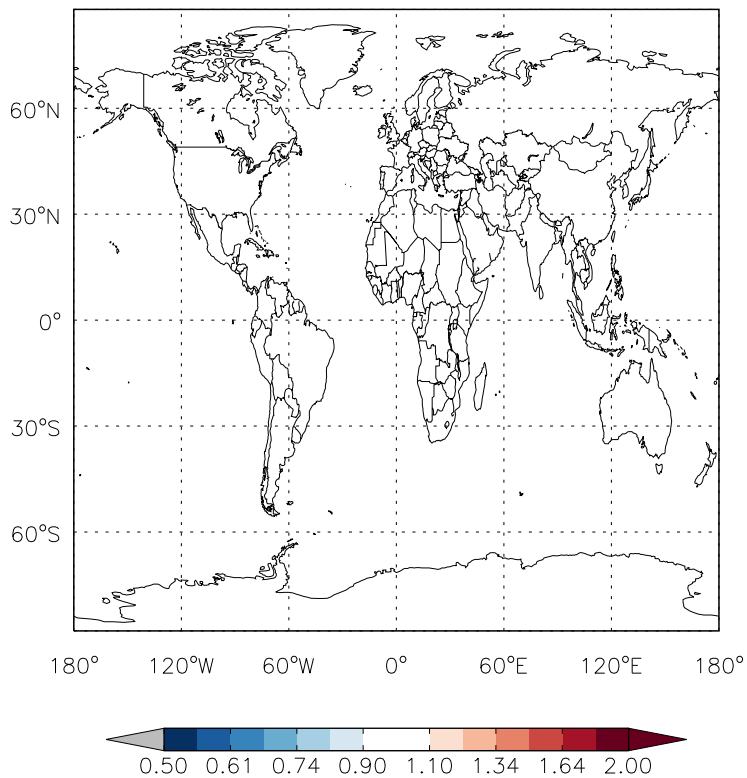
v11-01d-Run0 / v10-01-public-Run0

CFC11/ Ratio @ 500 hPa for Oct

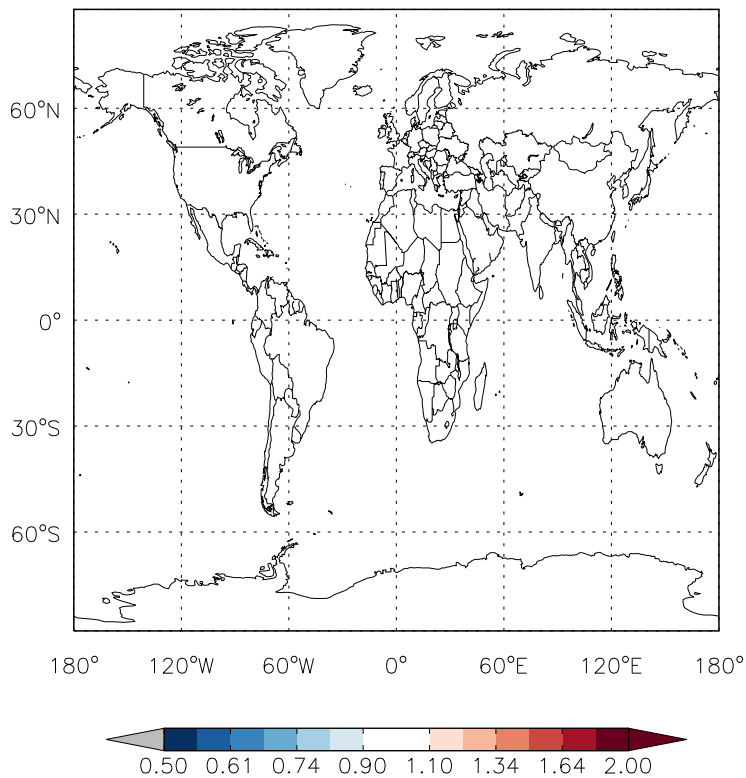


GEOS-Chem Ratio Maps at surface and 500 hPa

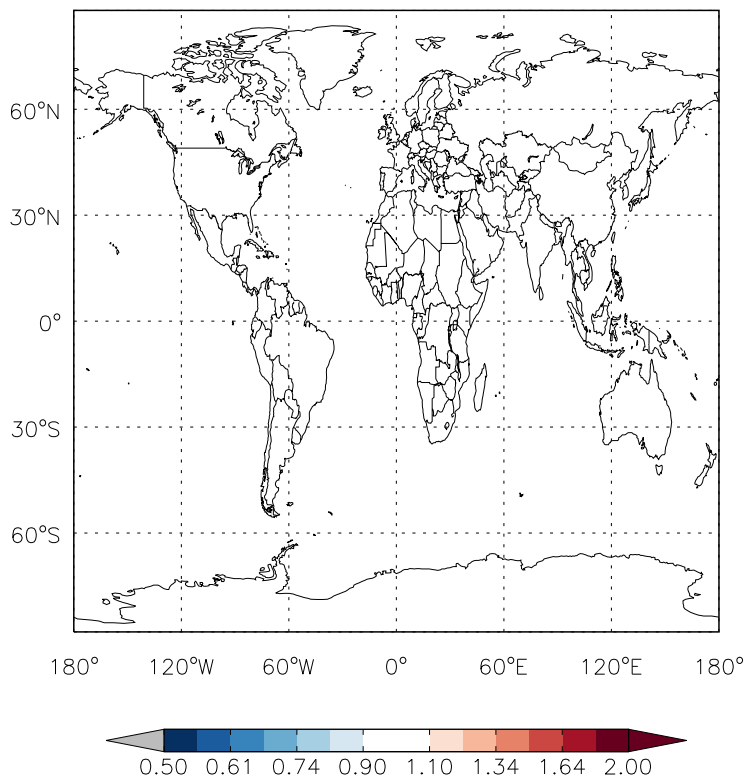
v11-01d-Run0 / v11-01b-Run0  
CFC12 / Ratio @ Surface for Oct



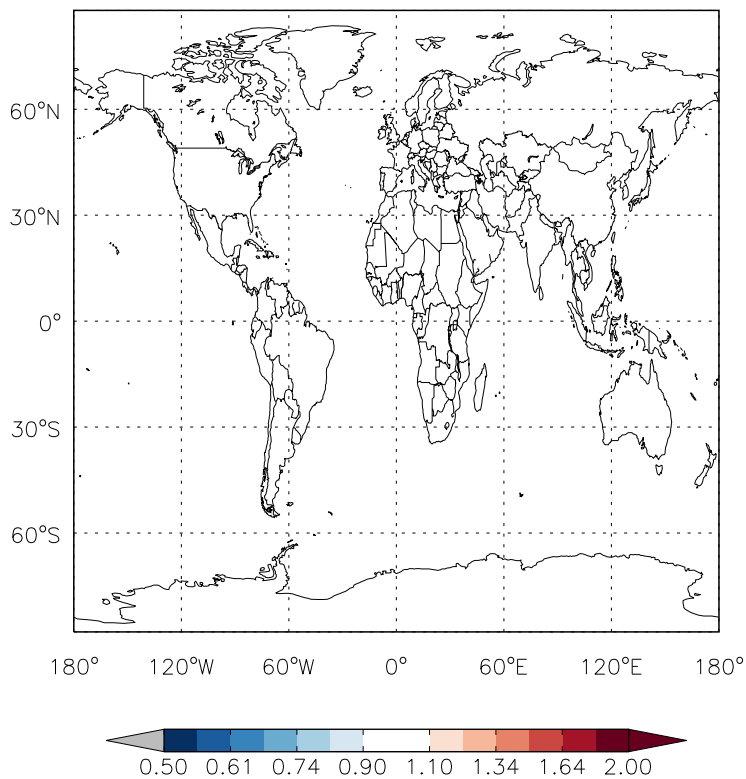
v11-01d-Run0 / v11-01b-Run0  
CFC12/ Ratio @ 500 hPa for Oct



v11-01d-Run0 / v10-01-public-Run0  
CFC12 / Ratio @ Surface for Oct



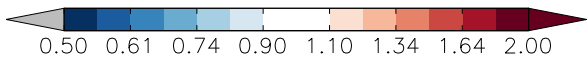
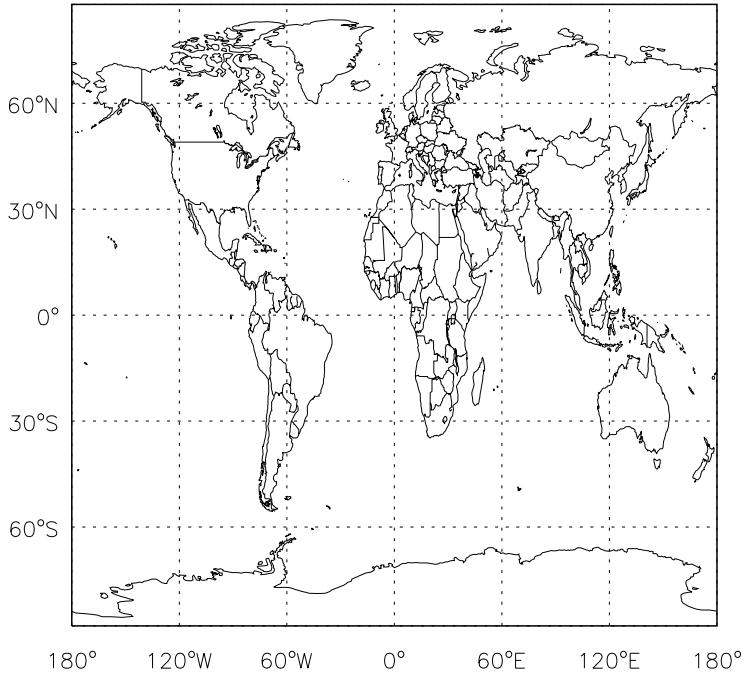
v11-01d-Run0 / v10-01-public-Run0  
CFC12/ Ratio @ 500 hPa for Oct



GEOS-Chem Ratio Maps at surface and 500 hPa

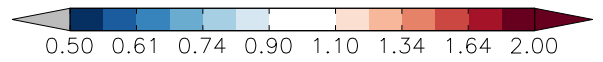
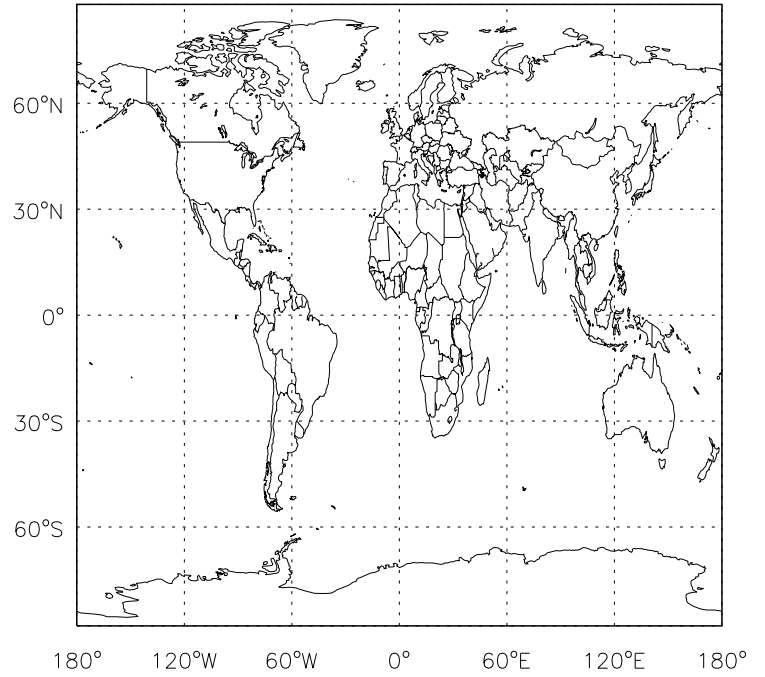
v11-01d-Run0 / v11-01b-Run0

HCFC22 / Ratio @ Surface for Oct



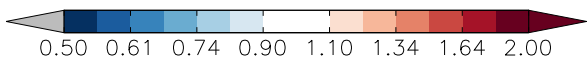
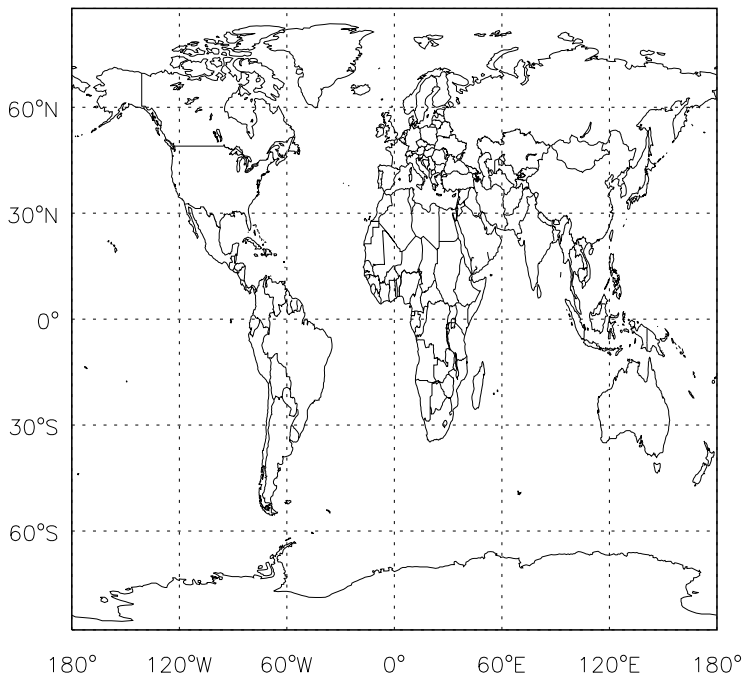
v11-01d-Run0 / v11-01b-Run0

HCFC22/ Ratio @ 500 hPa for Oct



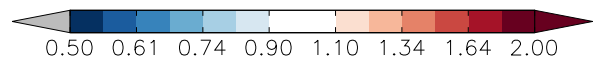
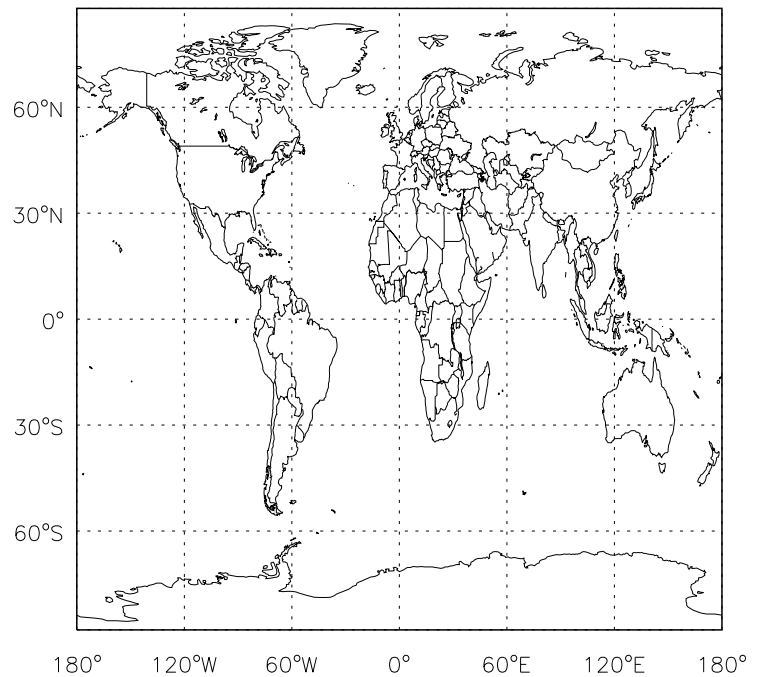
v11-01d-Run0 / v10-01-public-Run0

HCFC22 / Ratio @ Surface for Oct



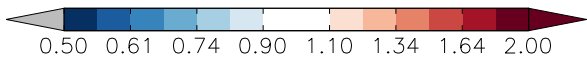
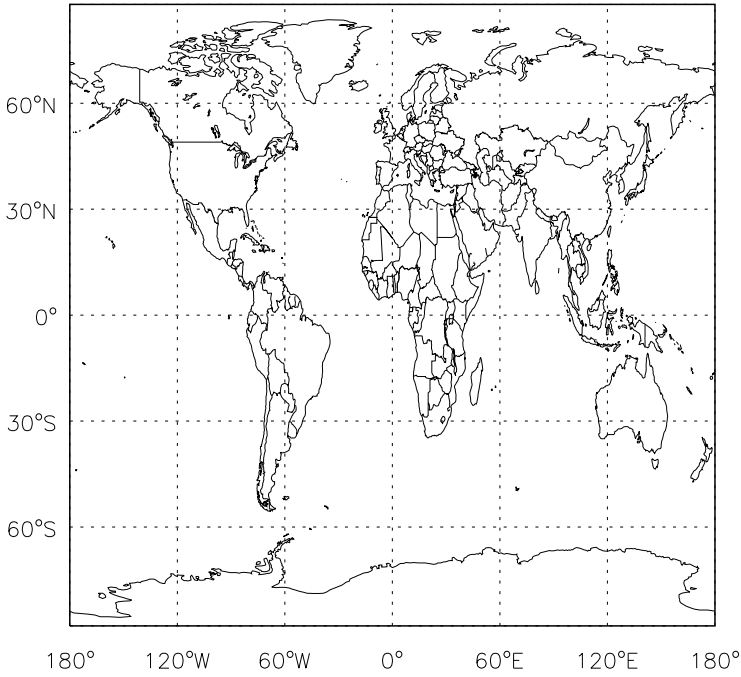
v11-01d-Run0 / v10-01-public-Run0

HCFC22/ Ratio @ 500 hPa for Oct

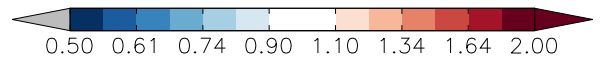
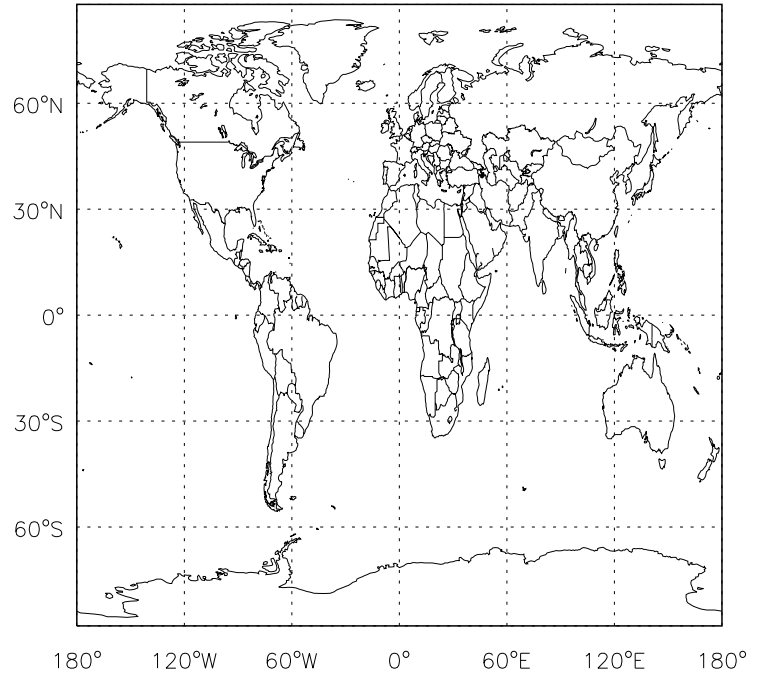


GEOS-Chem Ratio Maps at surface and 500 hPa

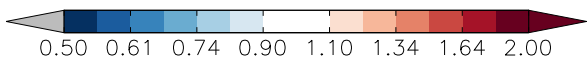
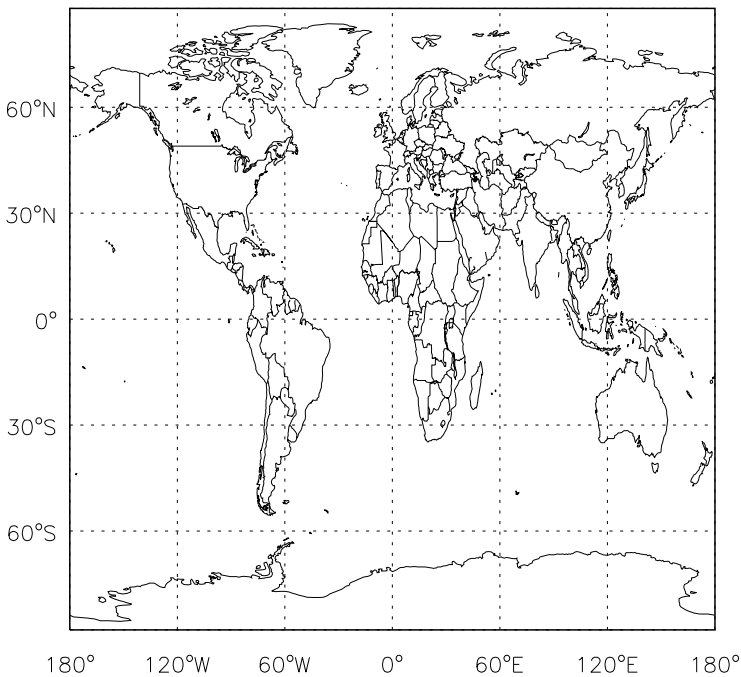
v11-01d-Run0 / v11-01b-Run0  
H1211 / Ratio @ Surface for Oct



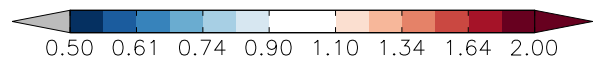
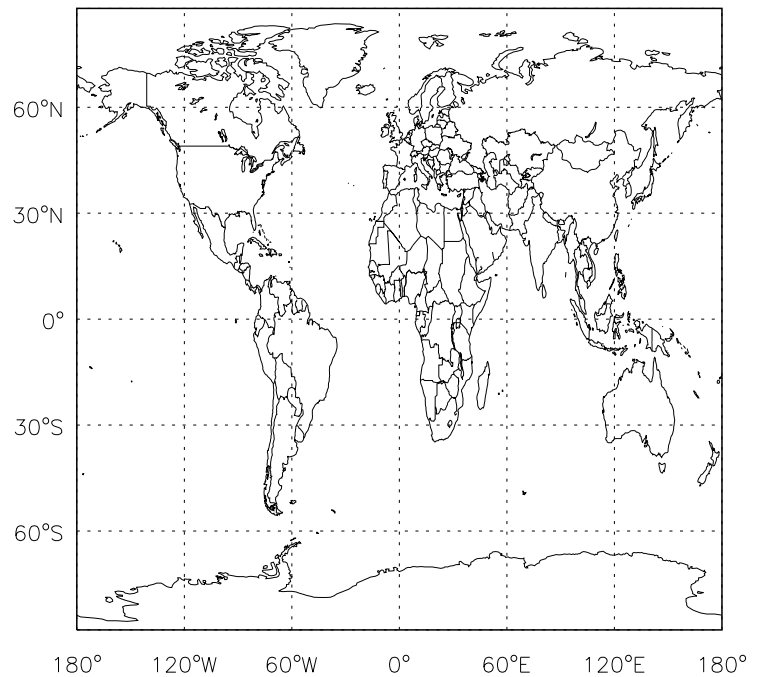
v11-01d-Run0 / v11-01b-Run0  
H1211/ Ratio @ 500 hPa for Oct



v11-01d-Run0 / v10-01-public-Run0  
H1211 / Ratio @ Surface for Oct



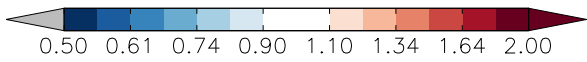
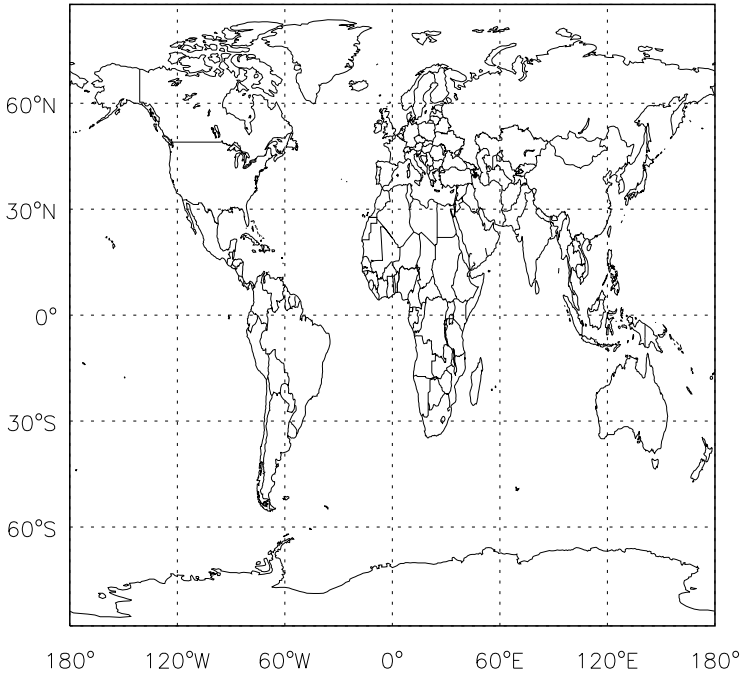
v11-01d-Run0 / v10-01-public-Run0  
H1211/ Ratio @ 500 hPa for Oct



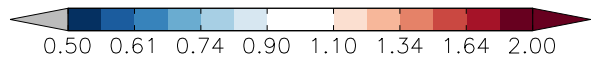
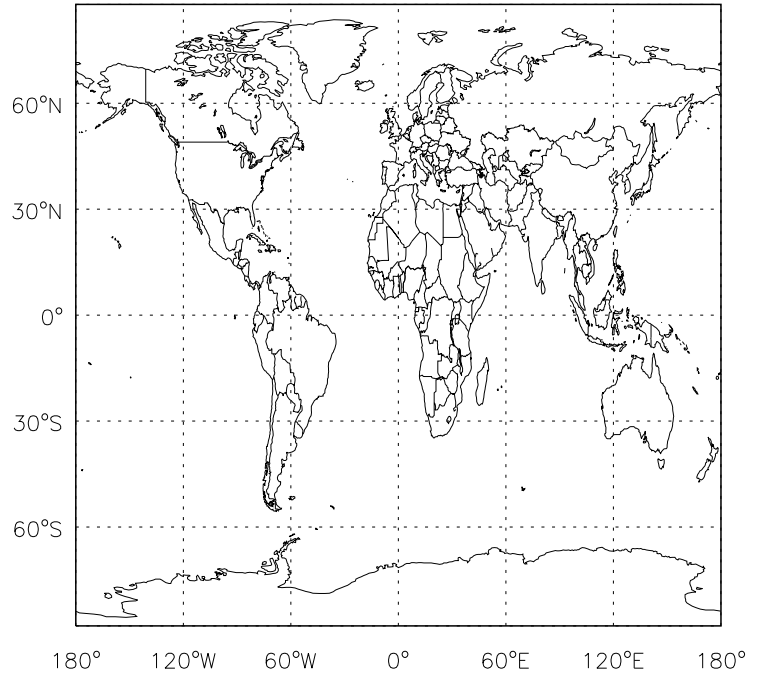


GEOS-Chem Ratio Maps at surface and 500 hPa

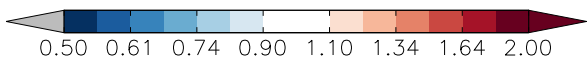
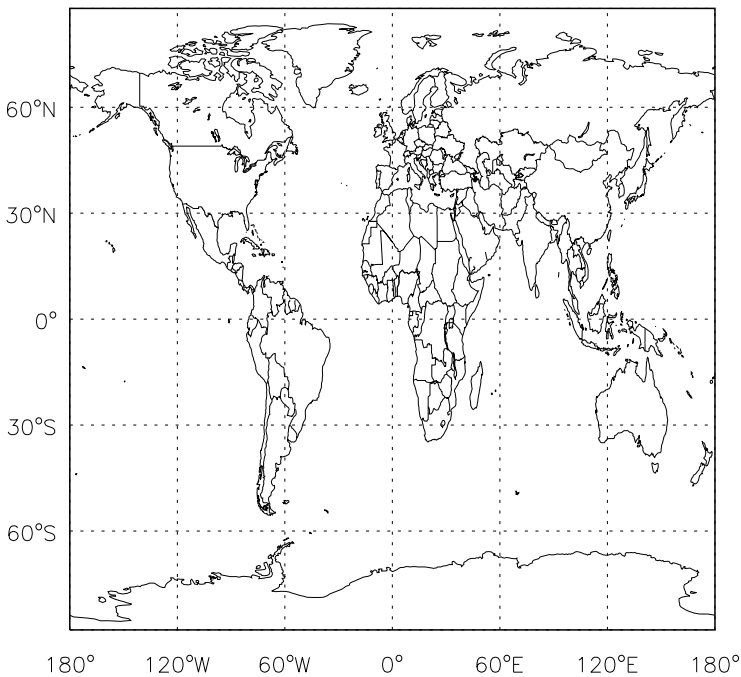
v11-01d-Run0 / v11-01b-Run0  
H1301 / Ratio @ Surface for Oct



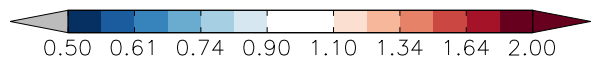
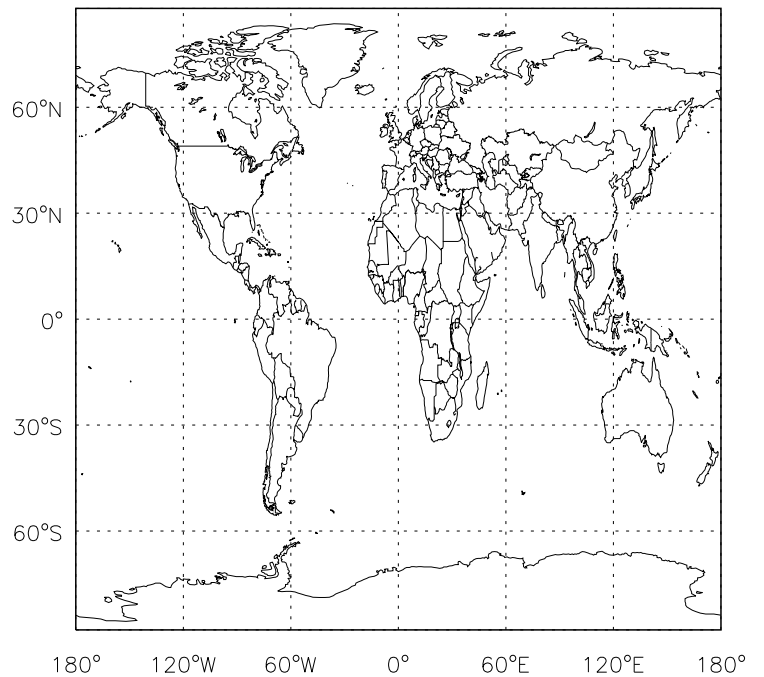
v11-01d-Run0 / v11-01b-Run0  
H1301/ Ratio @ 500 hPa for Oct



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

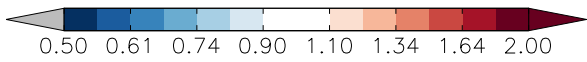
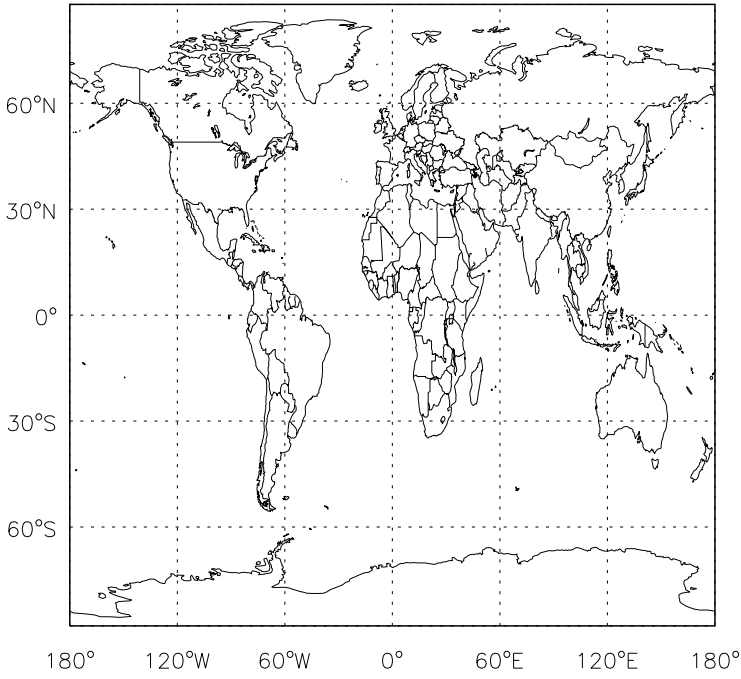


v11-01d-Run0 / v10-01-public-Run0  
H1301/ Ratio @ 500 hPa for Oct

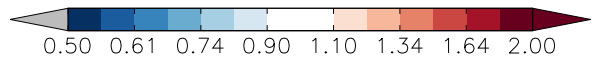
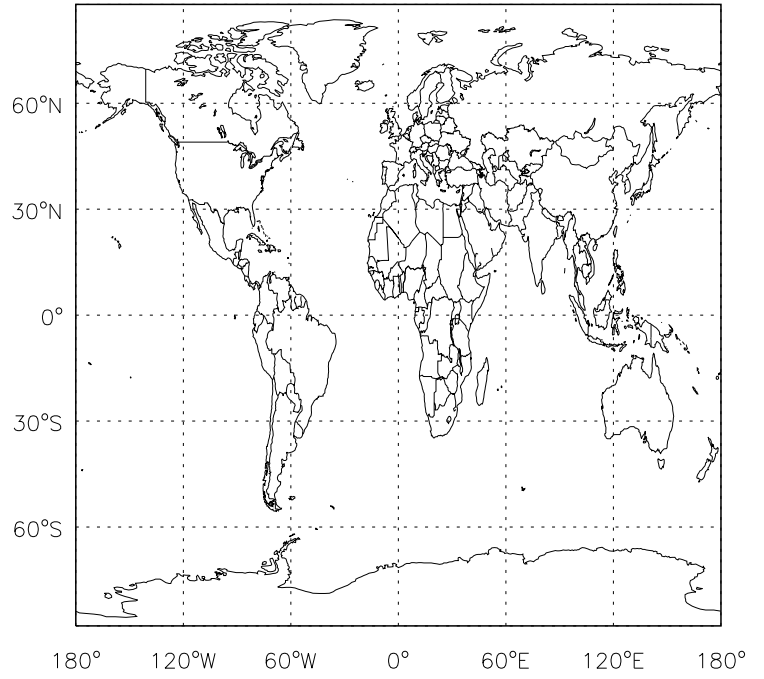


GEOS-Chem Ratio Maps at surface and 500 hPa

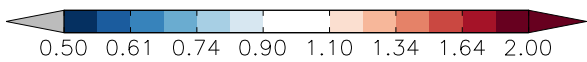
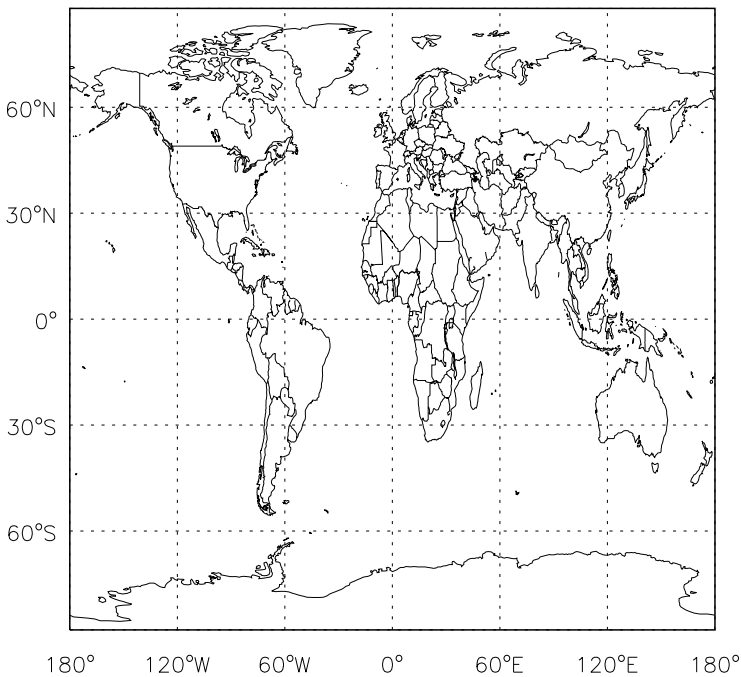
v11-01d-Run0 / v11-01b-Run0  
H2402 / Ratio @ Surface for Oct



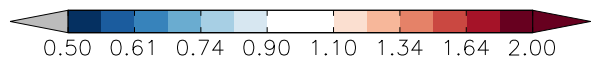
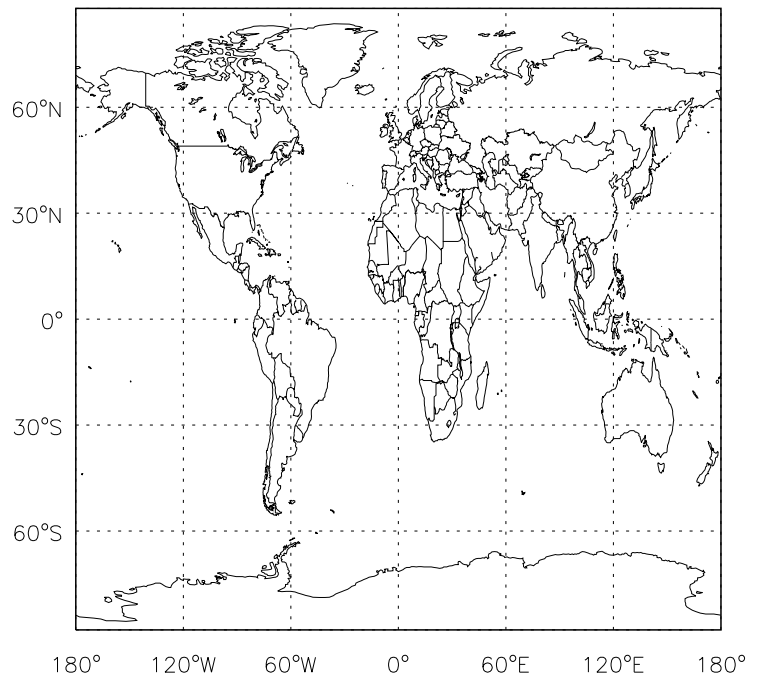
v11-01d-Run0 / v11-01b-Run0  
H2402/ Ratio @ 500 hPa for Oct



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



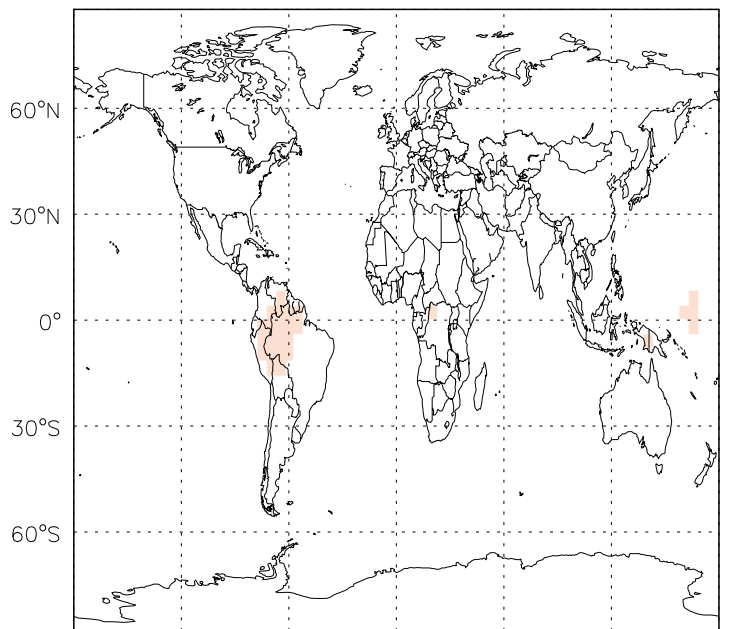
v11-01d-Run0 / v10-01-public-Run0  
H2402/ Ratio @ 500 hPa for Oct



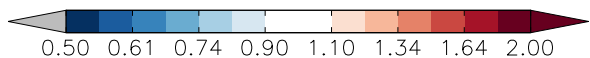
# GEOS-Chem Ratio Maps at surface and 500 hPa

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

Cl / Ratio @ Surface for Oct

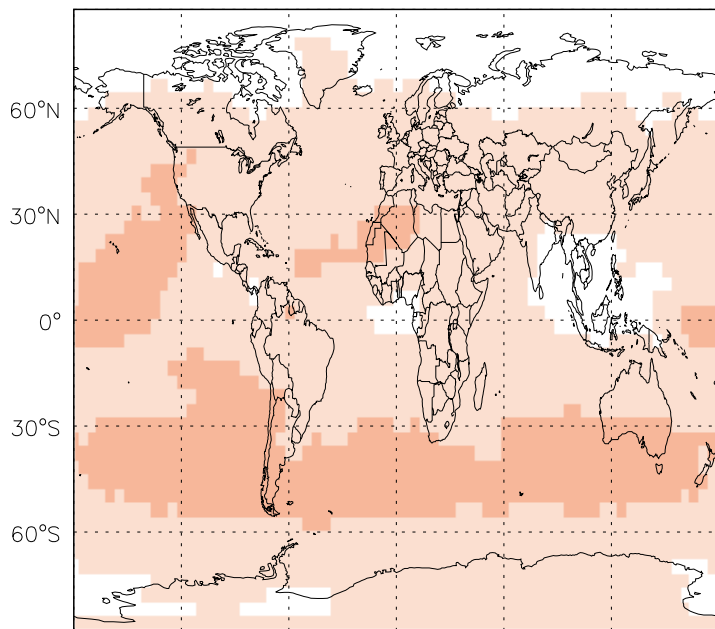


180° 120°W 60°W 0° 60°E 120°E 180°

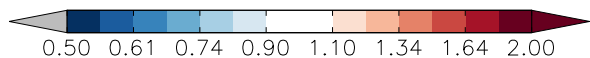


v11-01d-Run0 / v11-01b-Run0

Cl / Ratio @ 500 hPa for Oct

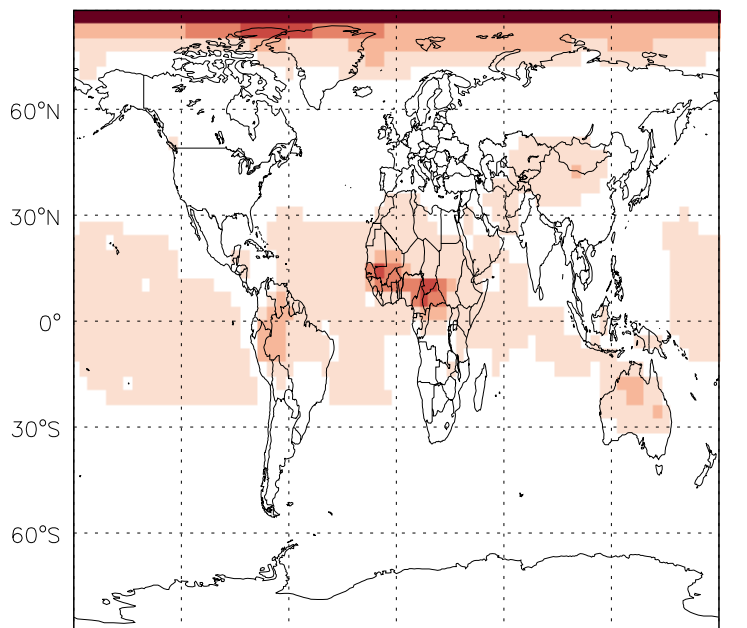


180° 120°W 60°W 0° 60°E 120°E 180°

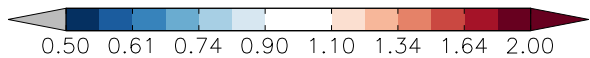


v11-01d-Run0 / v10-01-public-Run0

Cl / Ratio @ Surface for Oct

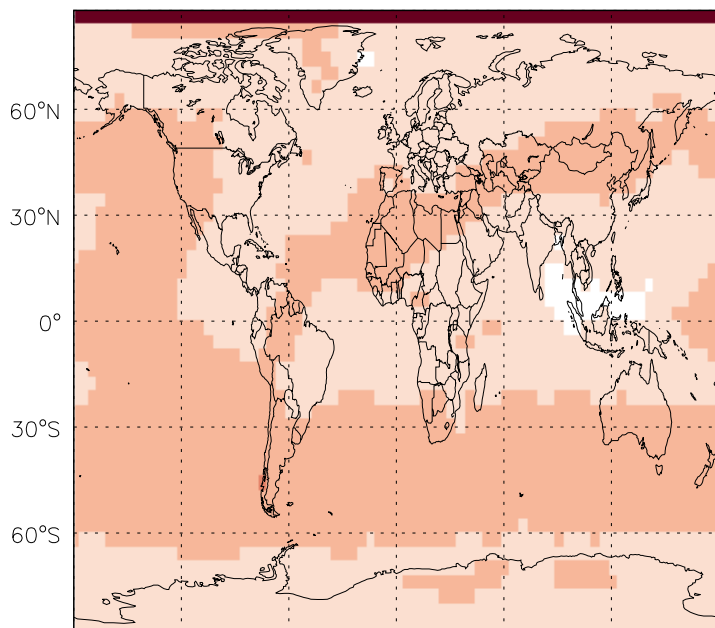


180° 120°W 60°W 0° 60°E 120°E 180°

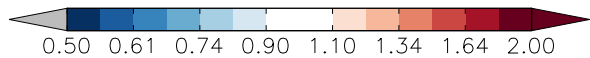


v11-01d-Run0 / v10-01-public-Run0

Cl / Ratio @ 500 hPa for Oct



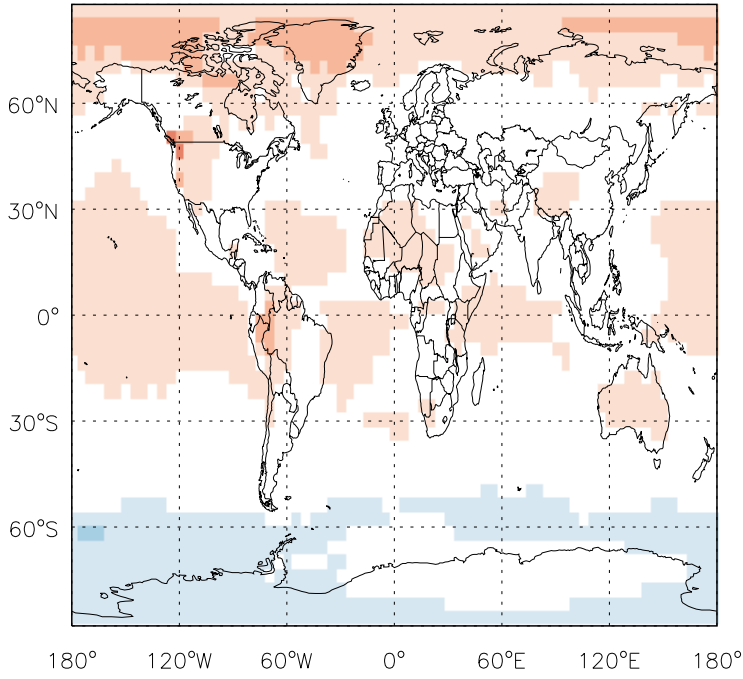
180° 120°W 60°W 0° 60°E 120°E 180°



GEOS-Chem Ratio Maps at surface and 500 hPa

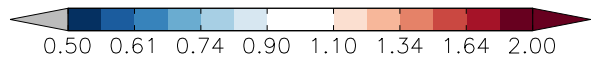
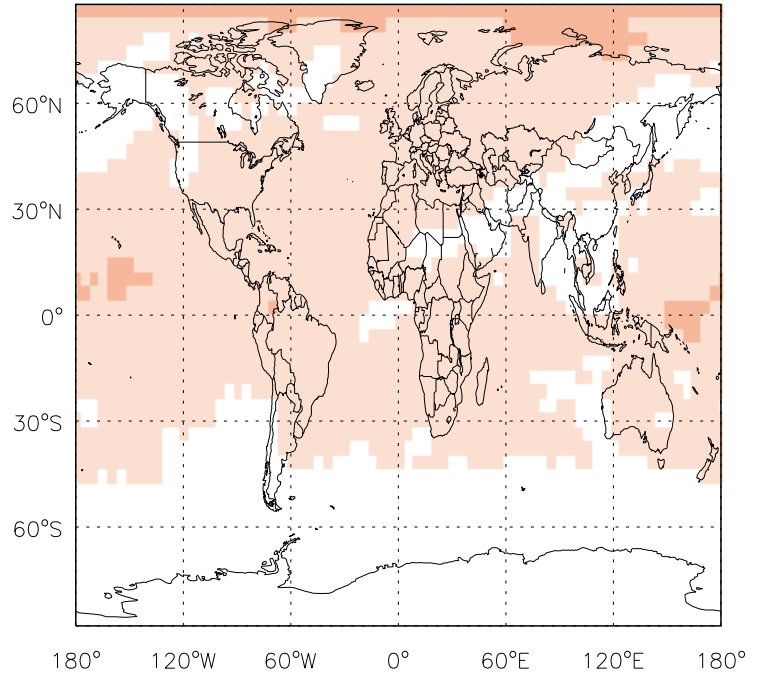
v11-01d-Run0 / v11-01b-Run0

ClO / Ratio @ Surface for Oct



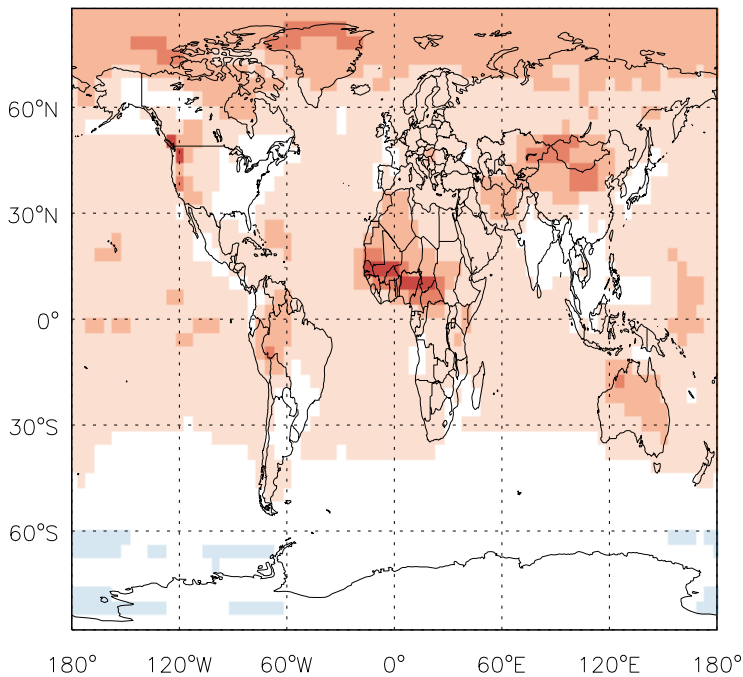
v11-01d-Run0 / v11-01b-Run0

ClO / Ratio @ 500 hPa for Oct



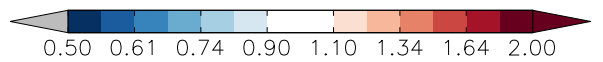
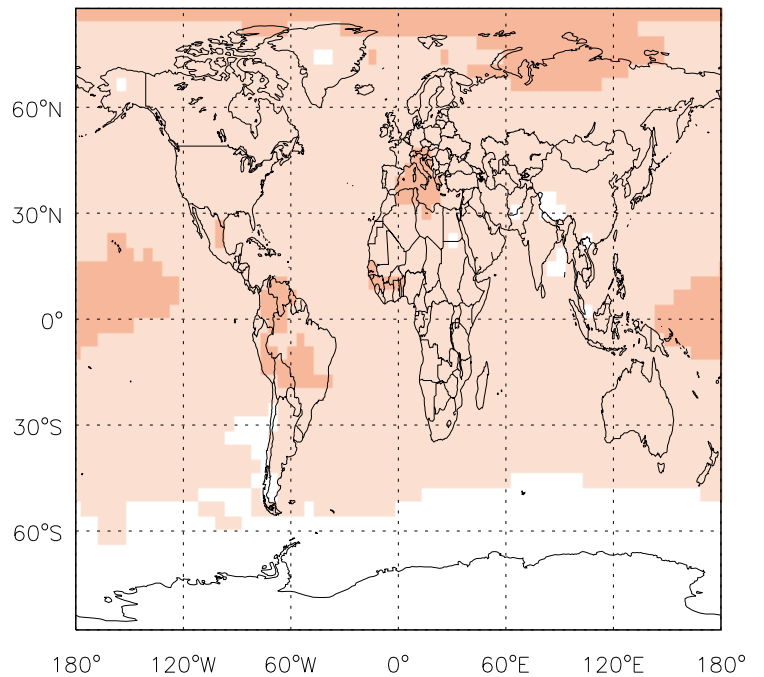
v11-01d-Run0 / v10-01-public-Run0

ClO / Ratio @ Surface for Oct



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

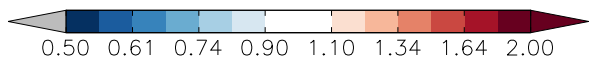
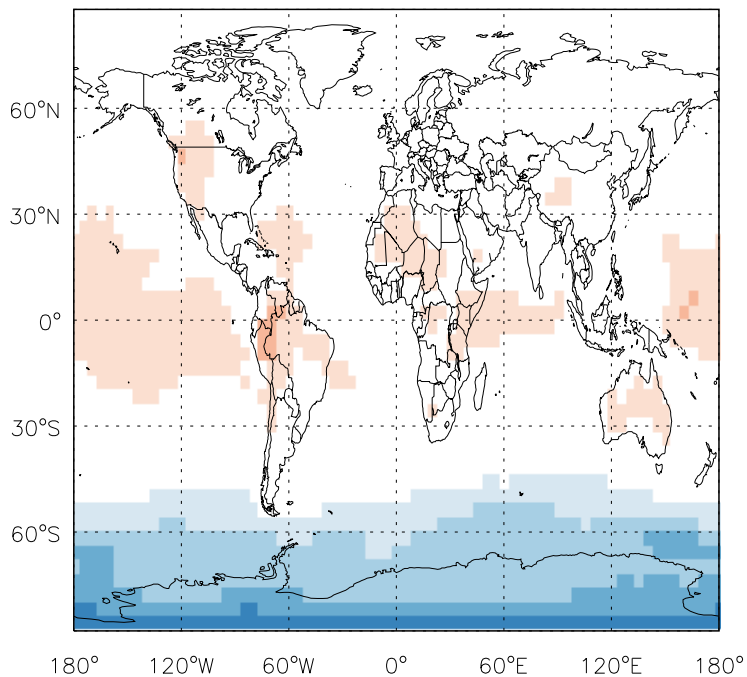
ClO / Ratio @ 500 hPa for Oct



# GEOS-Chem Ratio Maps at surface and 500 hPa

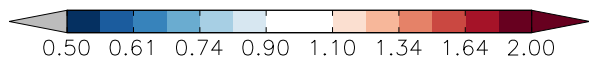
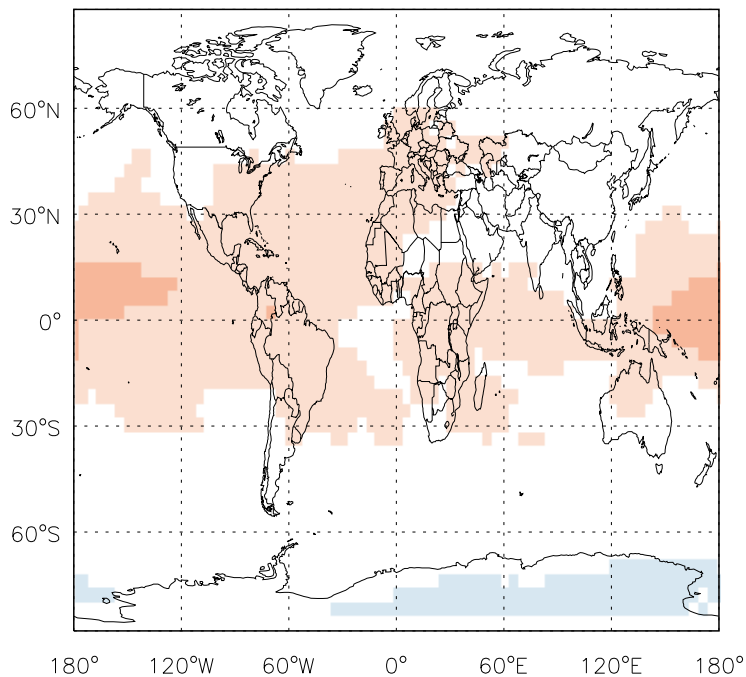
v11-01d-Run0 / v11-01b-Run0

HOCl / Ratio @ Surface for Oct



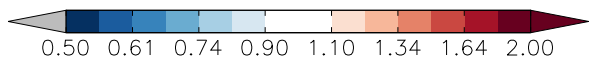
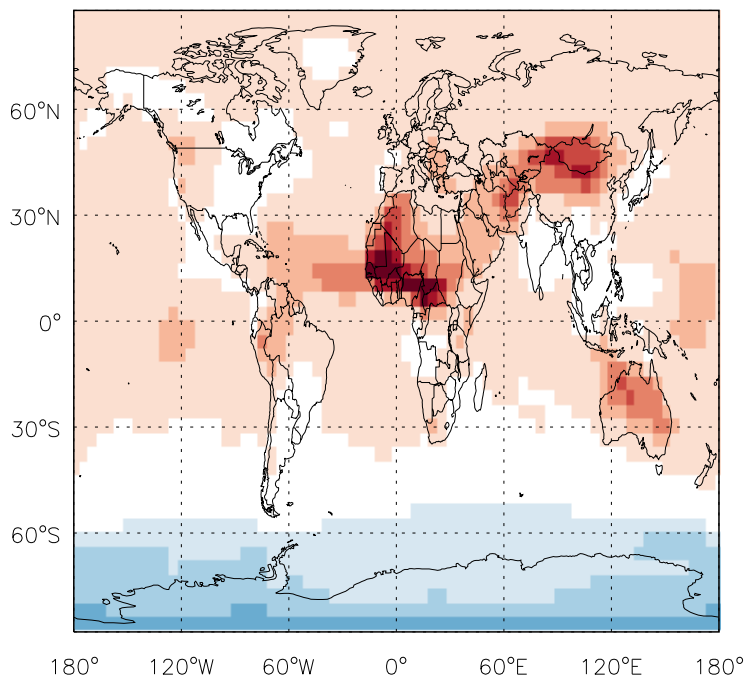
v11-01d-Run0 / v11-01b-Run0

HOCl / Ratio @ 500 hPa for Oct



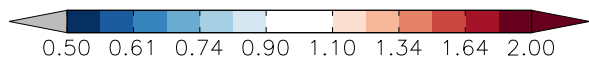
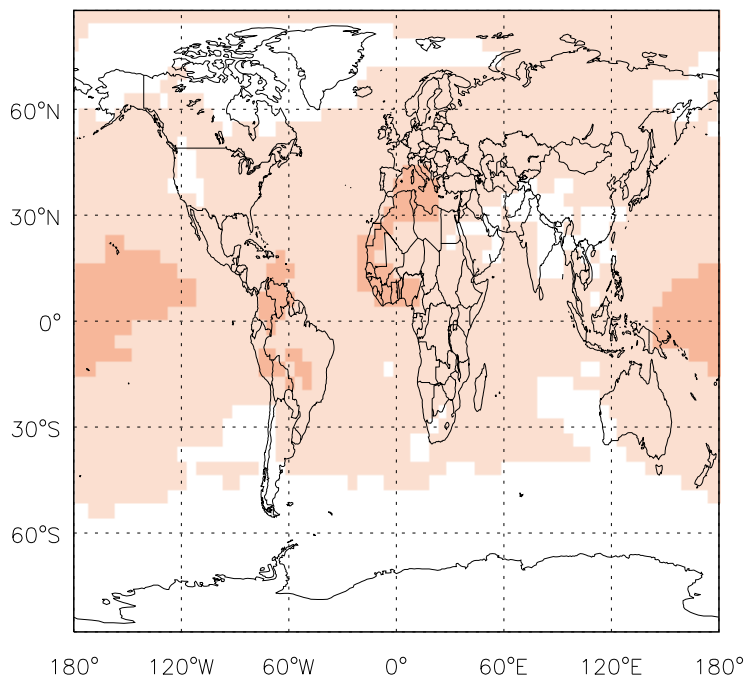
v11-01d-Run0 / v10-01-public-Run0

HOCl / Ratio @ Surface for Oct



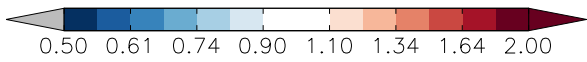
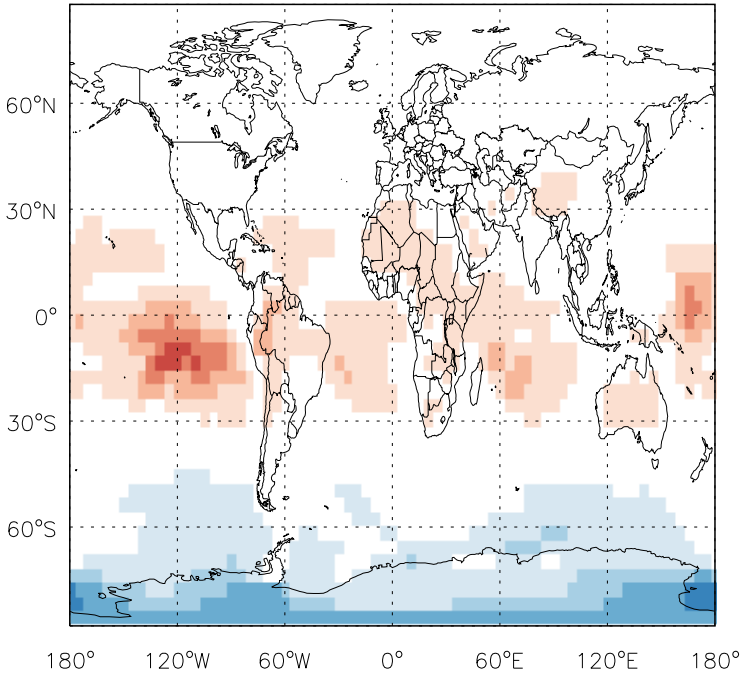
v11-01d-Run0 / v10-01-public-Run0

HOCl / Ratio @ 500 hPa for Oct

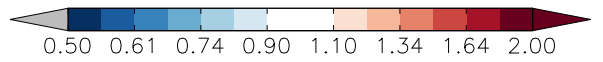
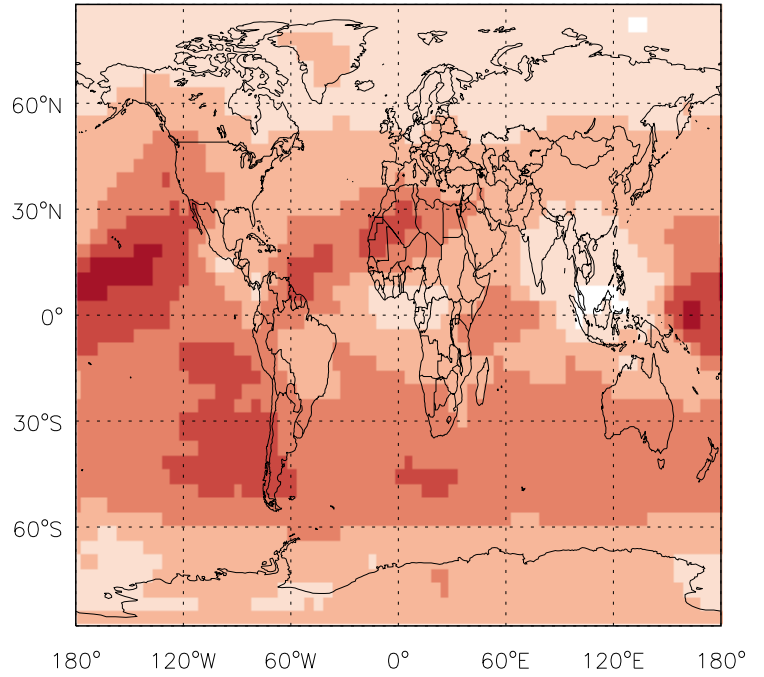


# GEOS-Chem Ratio Maps at surface and 500 hPa

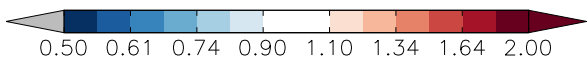
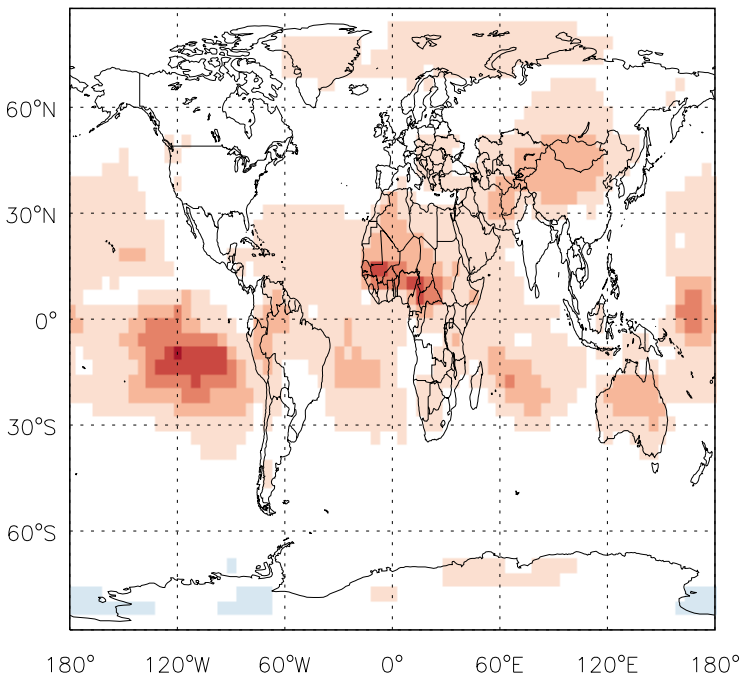
v11-01d-Run0 / v11-01b-Run0  
CINO3 / Ratio @ Surface for Oct



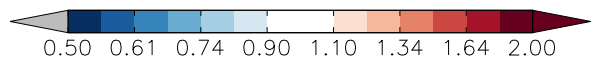
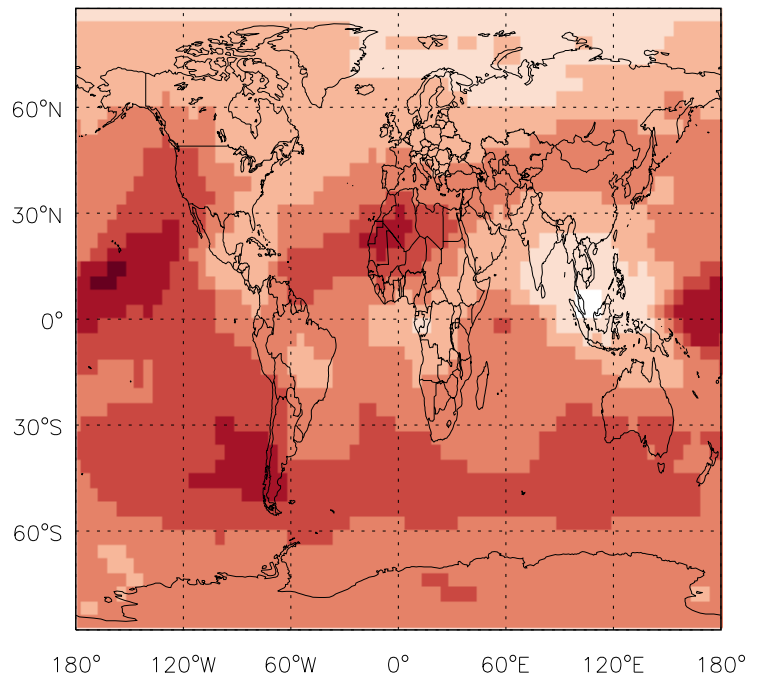
v11-01d-Run0 / v11-01b-Run0  
CINO3/ Ratio @ 500 hPa for Oct



v11-01d-Run0 / v10-01-public-Run0  
CINO3 / Ratio @ Surface for Oct

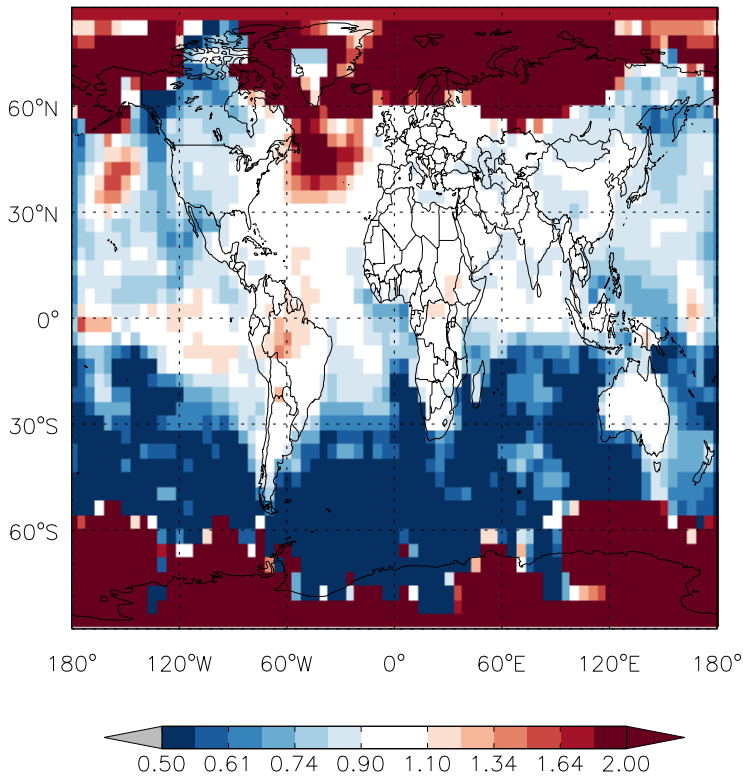


v11-01d-Run0 / v10-01-public-Run0  
CINO3/ Ratio @ 500 hPa for Oct

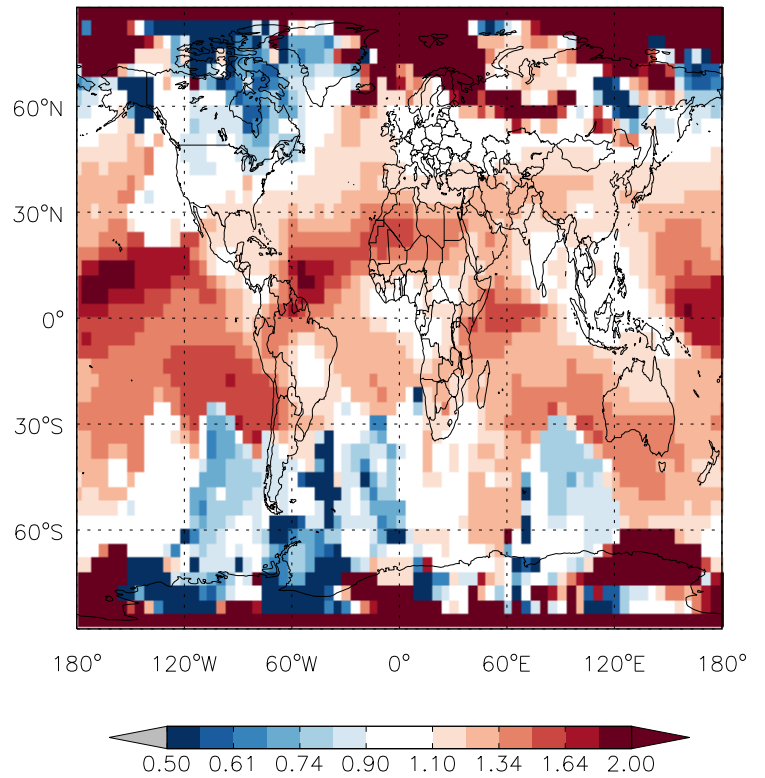


GEOS-Chem Ratio Maps at surface and 500 hPa

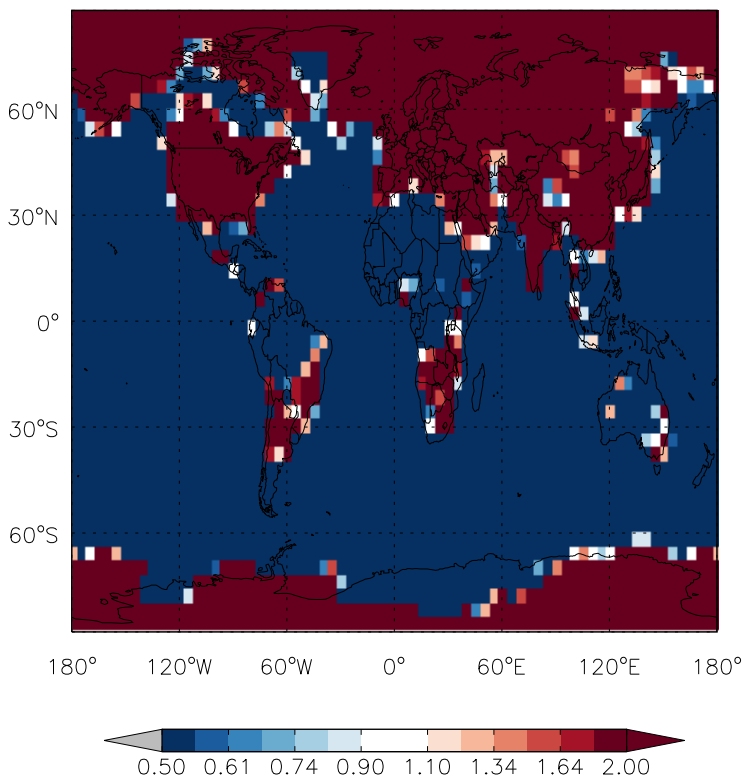
v11-01d-Run0 / v11-01b-Run0  
CIN02 / Ratio @ Surface for Oct



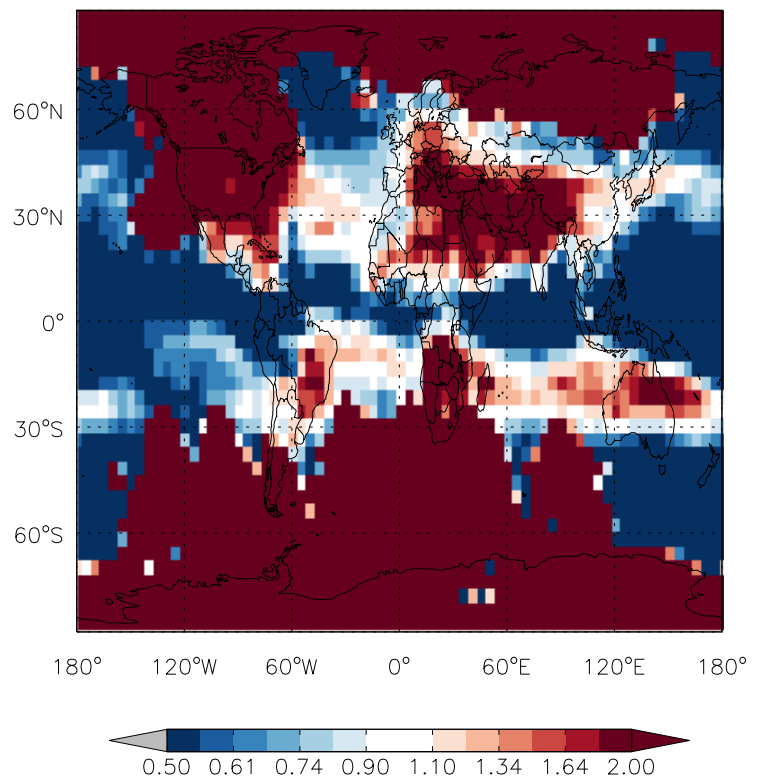
v11-01d-Run0 / v11-01b-Run0  
CIN02/ Ratio @ 500 hPa for Oct



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



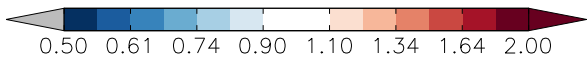
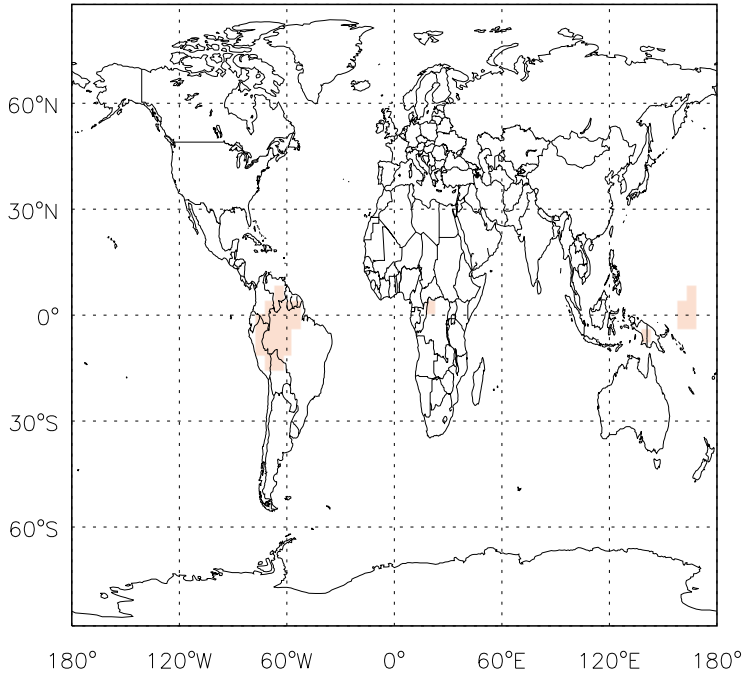
v11-01d-Run0 / v10-01-public-Run0  
CIN02/ Ratio @ 500 hPa for Oct



# GEOS-Chem Ratio Maps at surface and 500 hPa

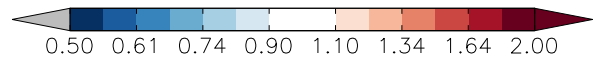
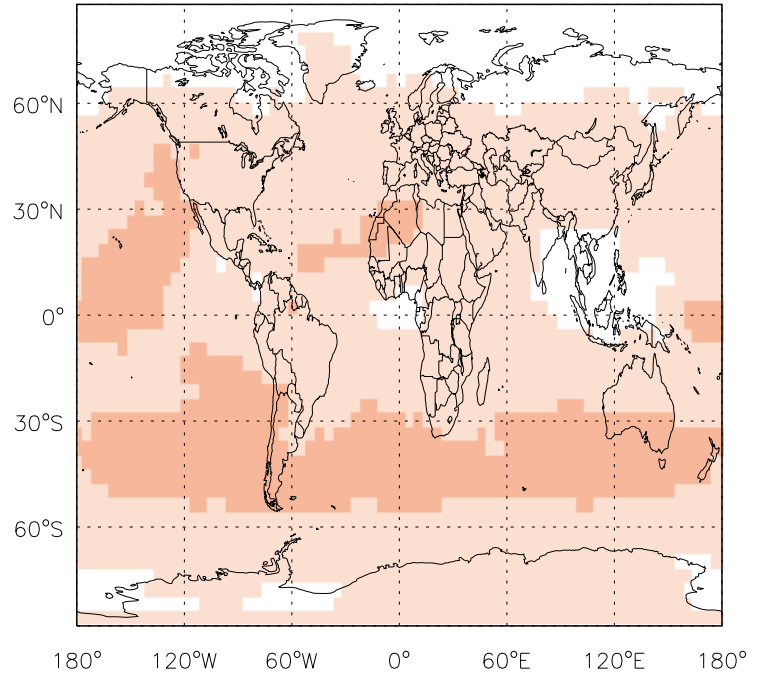
v11-01d-Run0 / v11-01b-Run0

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



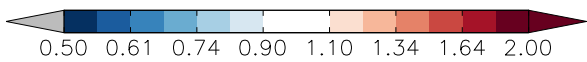
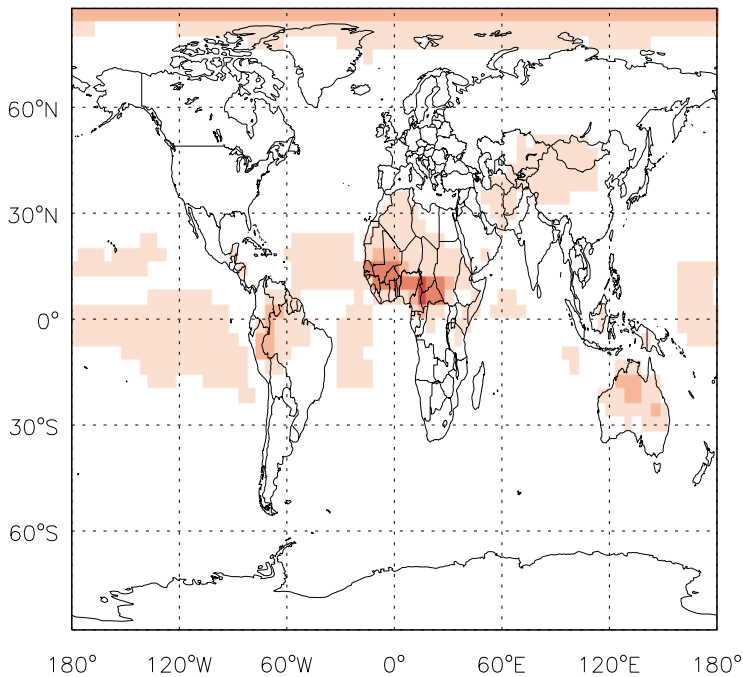
v11-01d-Run0 / v11-01b-Run0

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



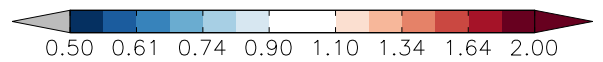
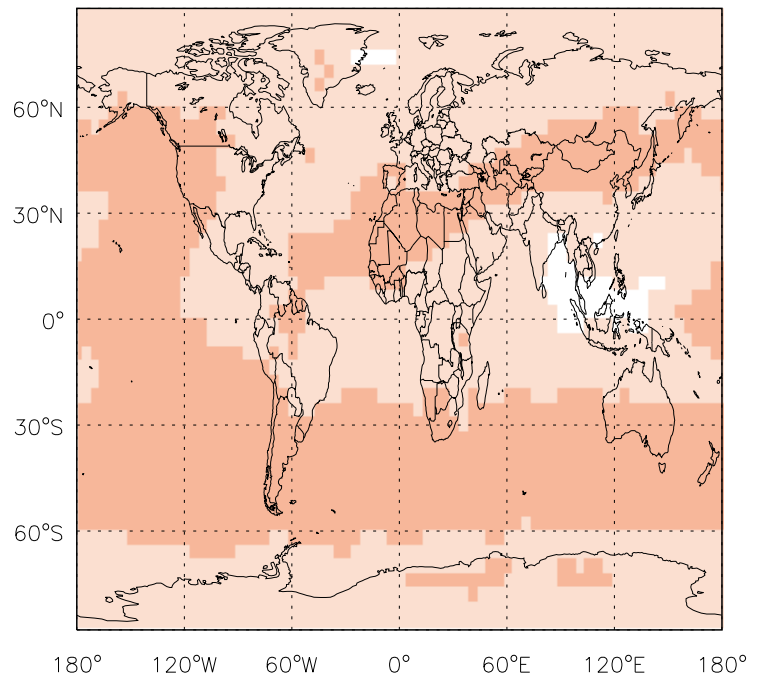
v11-01d-Run0 / v10-01-public-Run0

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



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

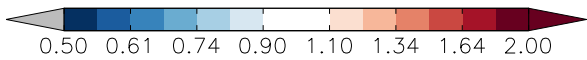
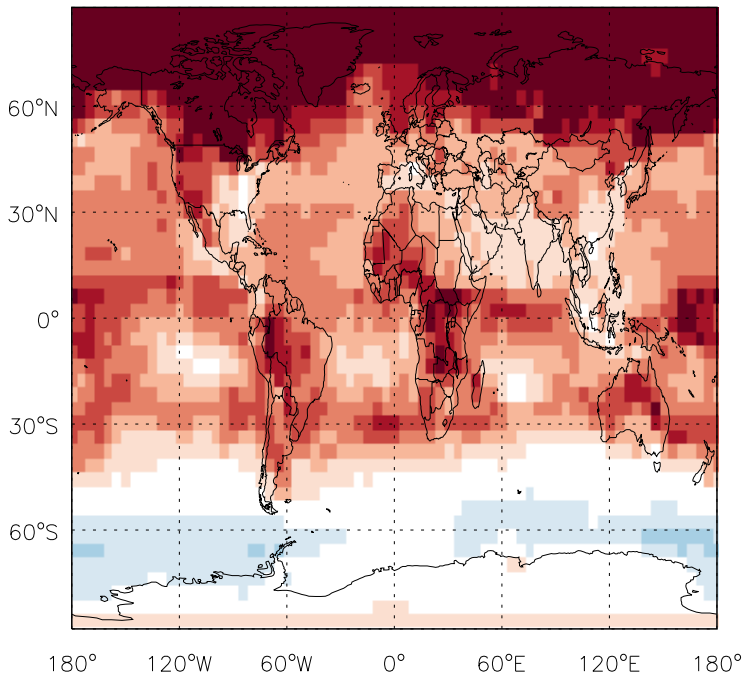
ClO<sub>2</sub> / Ratio @ 500 hPa for Oct



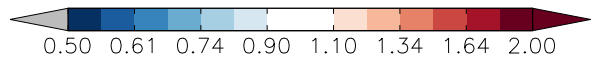
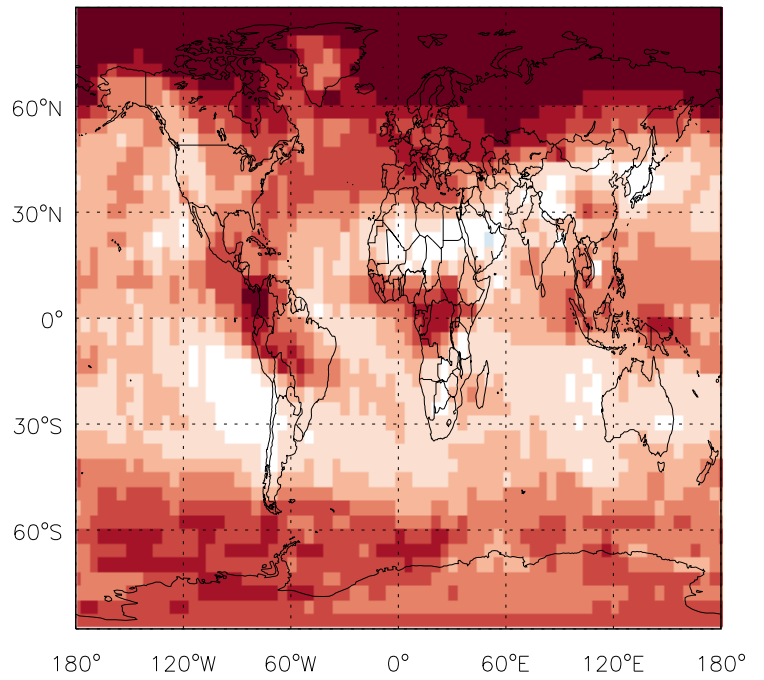


GEOS-Chem Ratio Maps at surface and 500 hPa

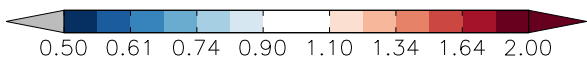
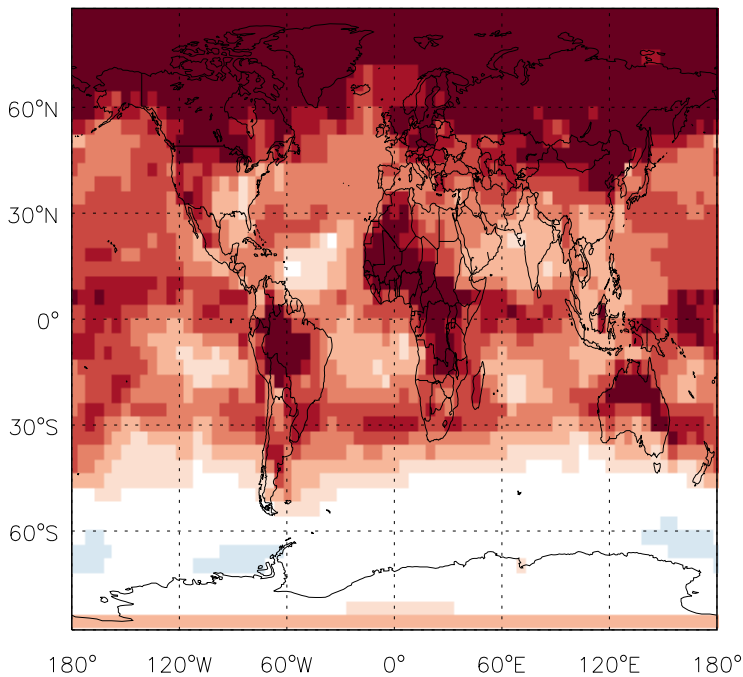
v11-01d-Run0 / v11-01b-Run0  
OCIO / Ratio @ Surface for Oct



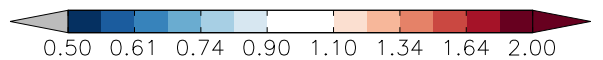
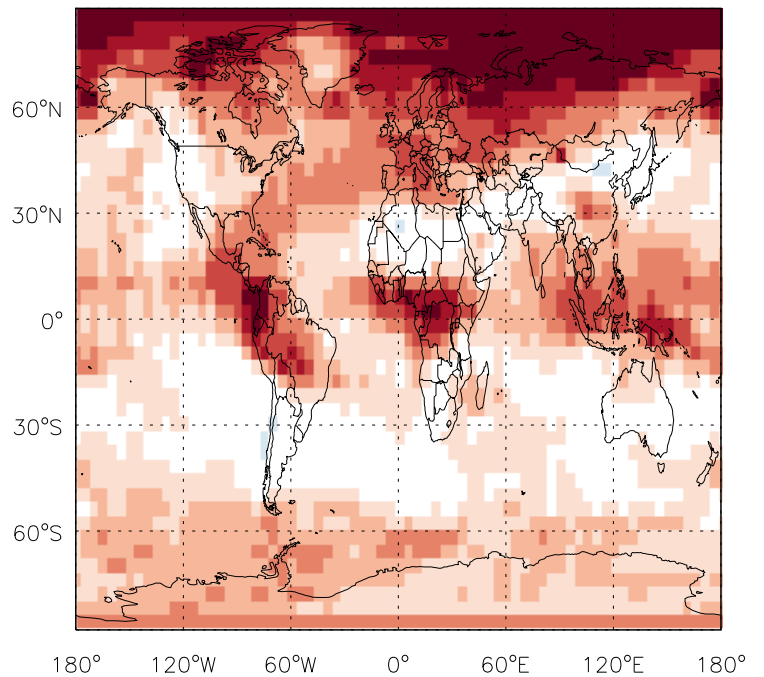
v11-01d-Run0 / v11-01b-Run0  
OCIO/ Ratio @ 500 hPa for Oct



v11-01d-Run0 / v10-01-public-Run0  
OCIO / Ratio @ Surface for Oct



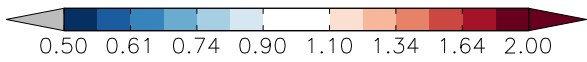
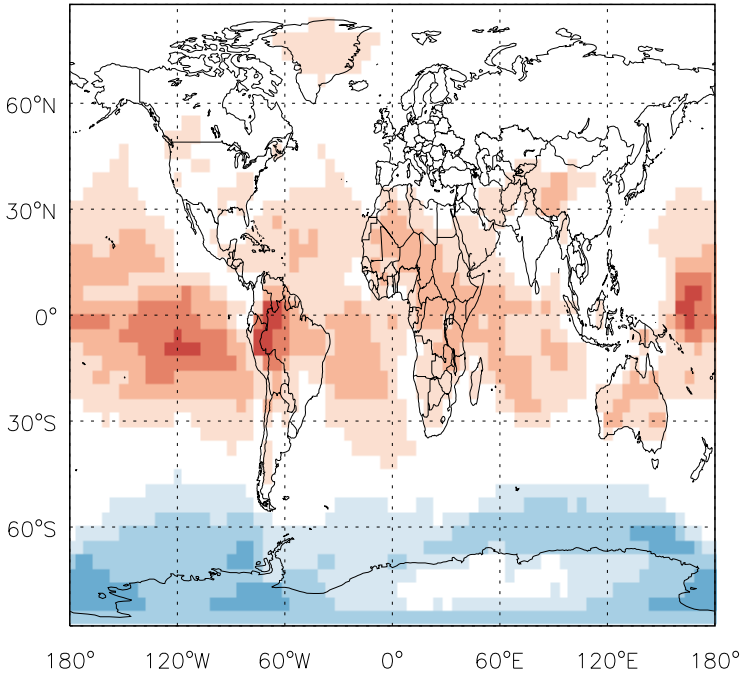
v11-01d-Run0 / v10-01-public-Run0  
OCIO/ Ratio @ 500 hPa for Oct



GEOS-Chem Ratio Maps at surface and 500 hPa

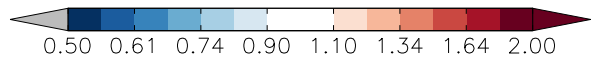
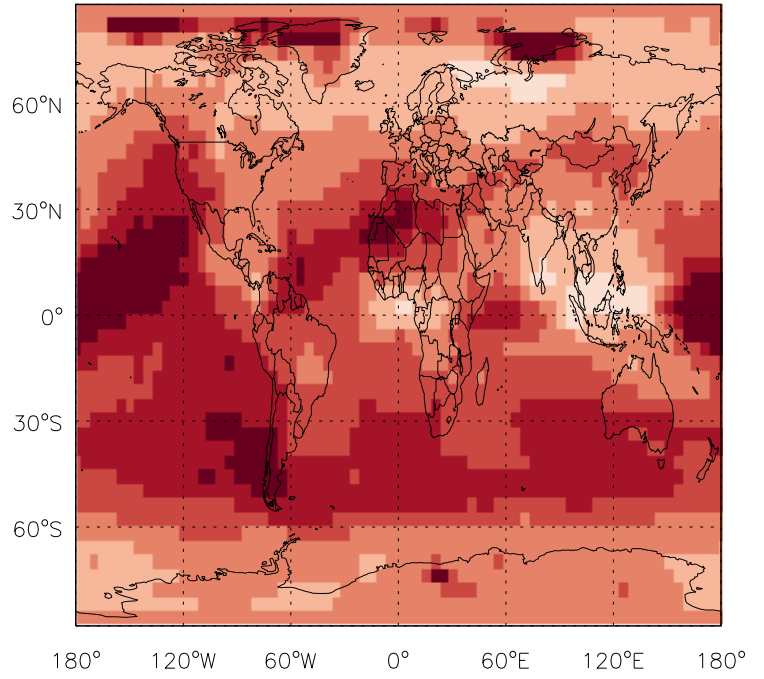
v11-01d-Run0 / v11-01b-Run0

Cl2 / Ratio @ Surface for Oct



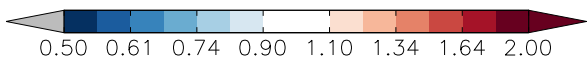
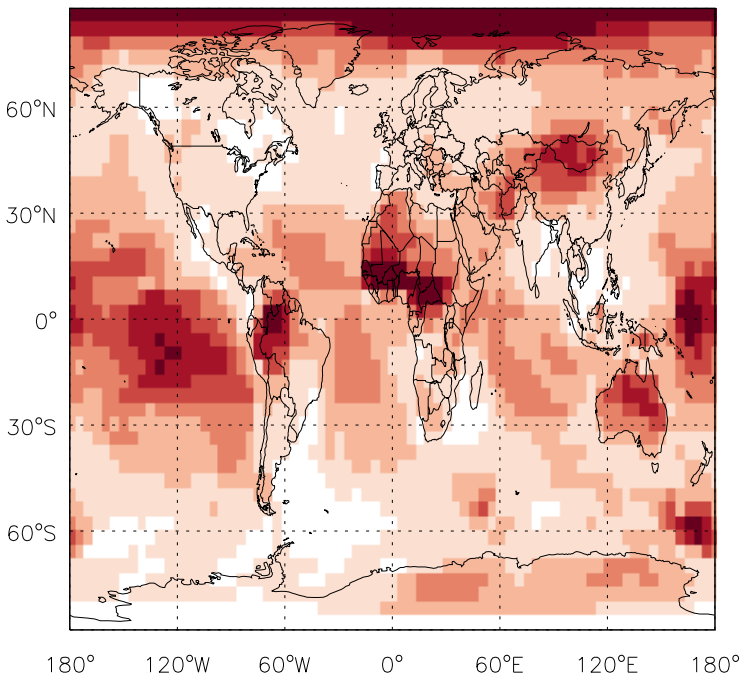
v11-01d-Run0 / v11-01b-Run0

Cl2 / Ratio @ 500 hPa for Oct



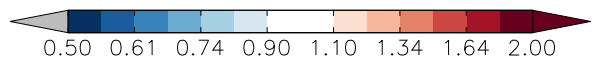
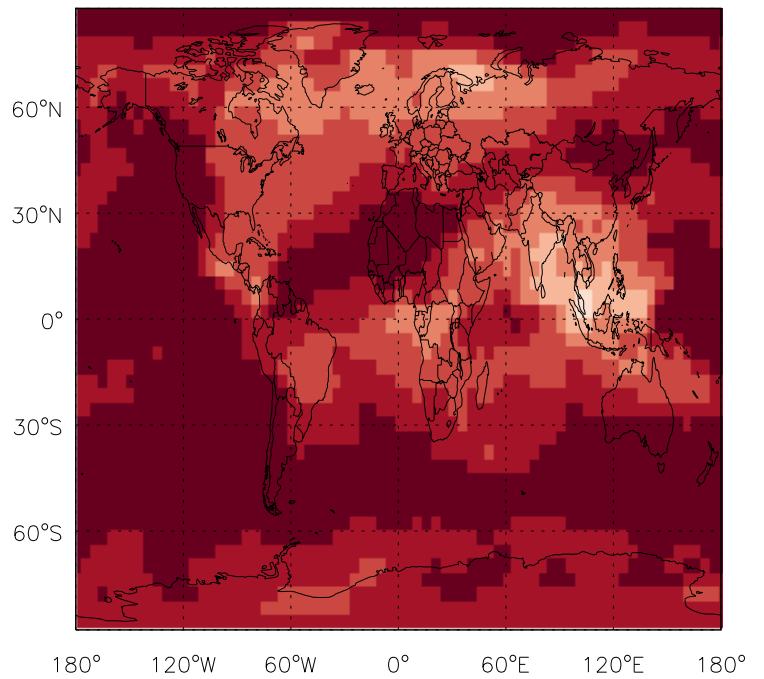
v11-01d-Run0 / v10-01-public-Run0

Cl2 / Ratio @ Surface for Oct



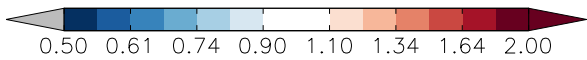
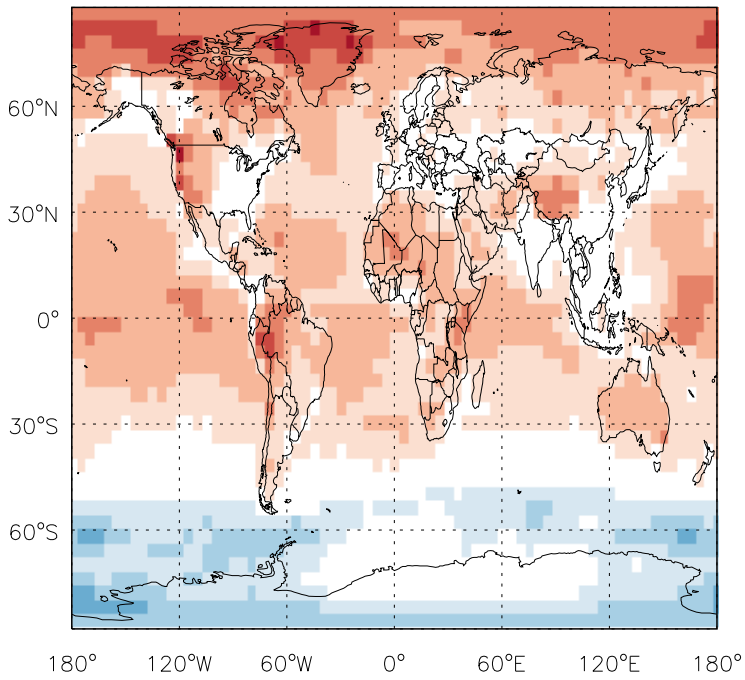
v11-01d-Run0 / v10-01-public-Run0

Cl2 / Ratio @ 500 hPa for Oct

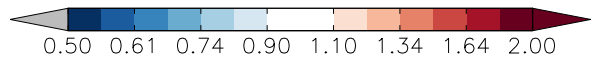
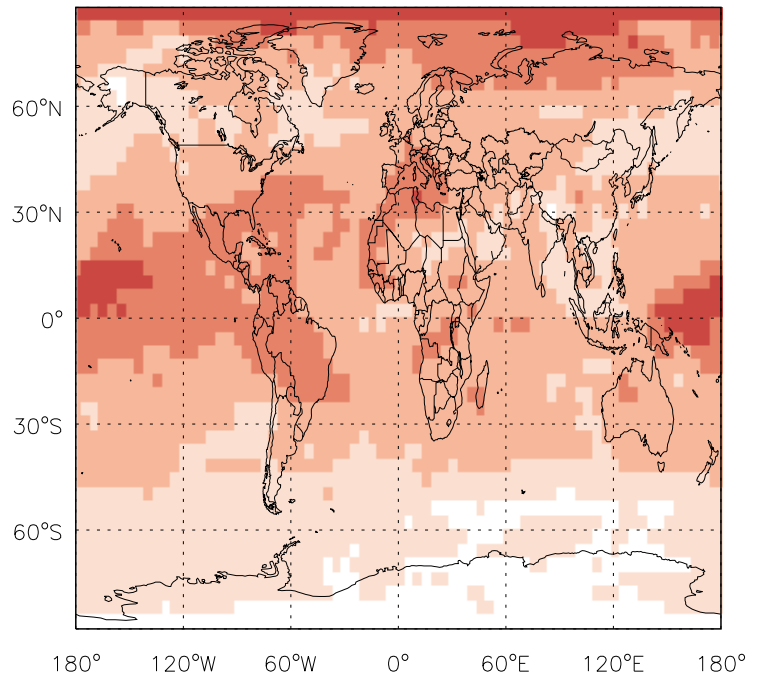


GEOS-Chem Ratio Maps at surface and 500 hPa

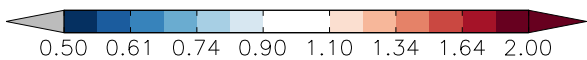
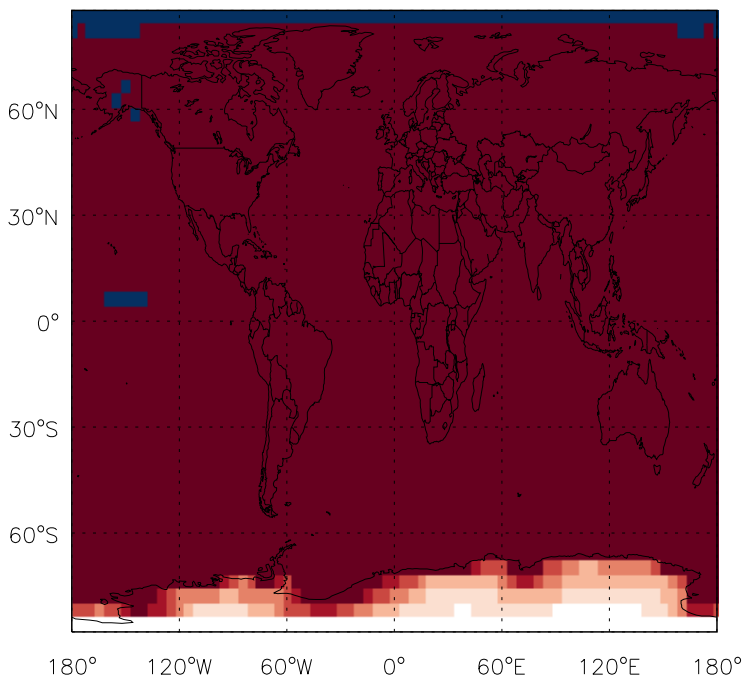
v11-01d-Run0 / v11-01b-Run0  
Cl2O2 / Ratio @ Surface for Oct



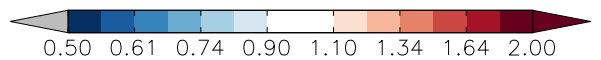
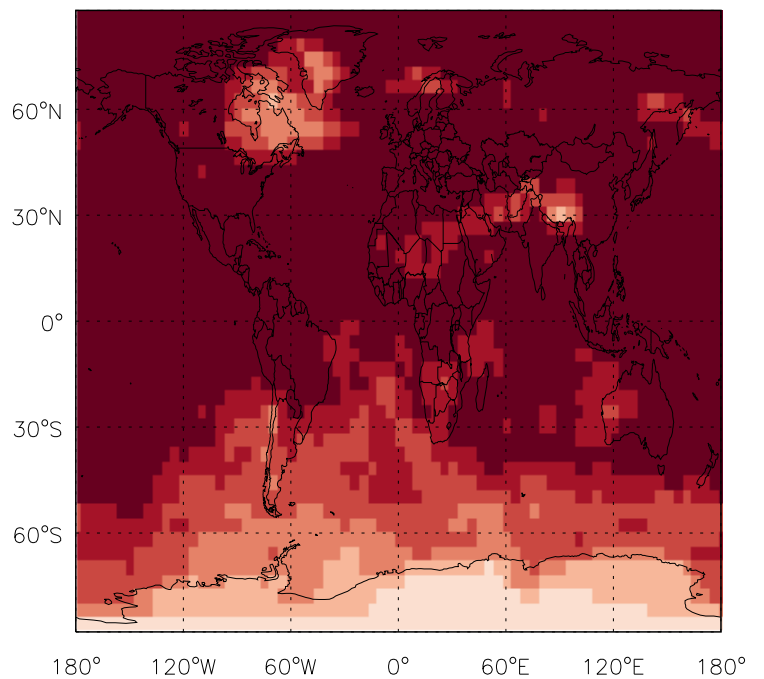
v11-01d-Run0 / v11-01b-Run0  
Cl2O2 / Ratio @ 500 hPa for Oct



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



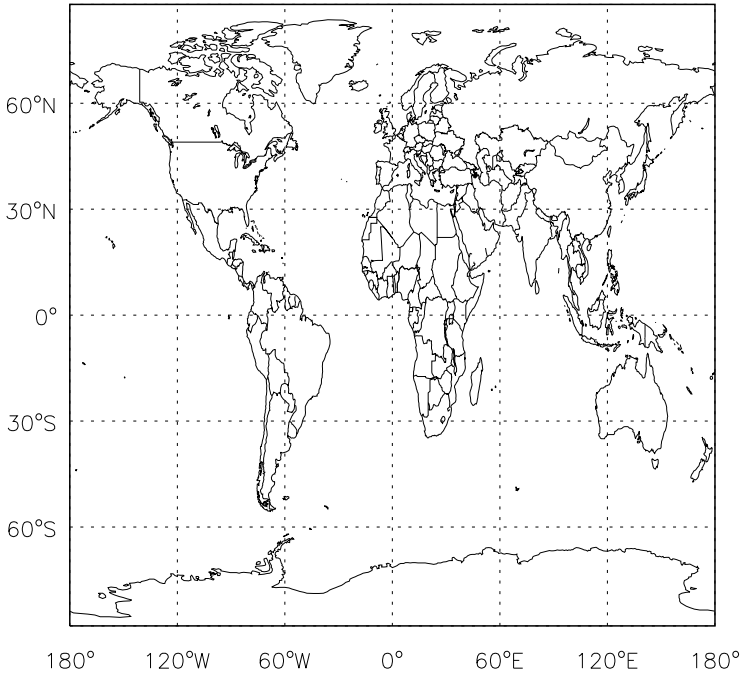
v11-01d-Run0 / v10-01-public-Run0  
Cl2O2 / Ratio @ 500 hPa for Oct



GEOS-Chem Ratio Maps at surface and 500 hPa

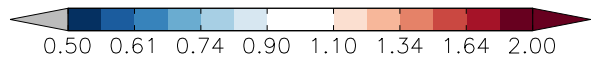
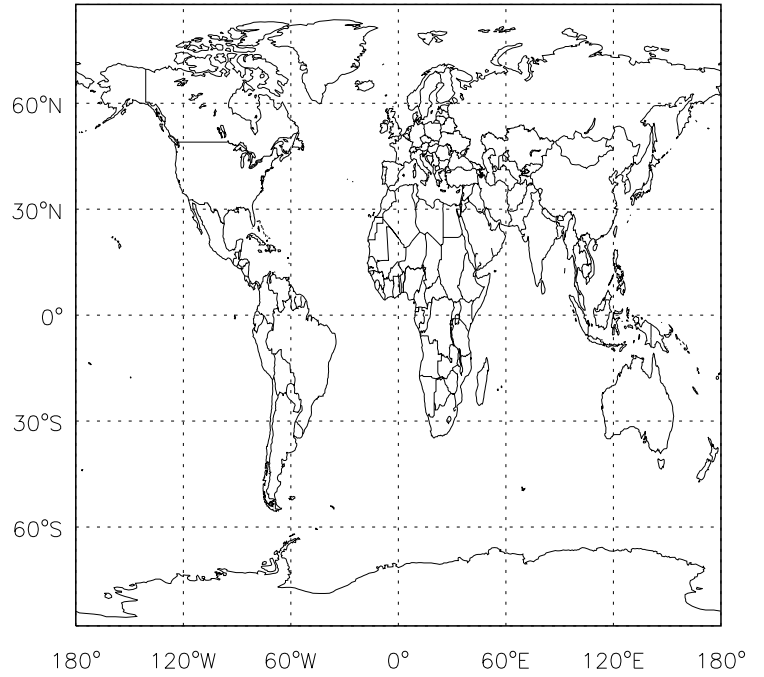
v11-01d-Run0 / v11-01b-Run0

H2O / Ratio @ Surface for Oct



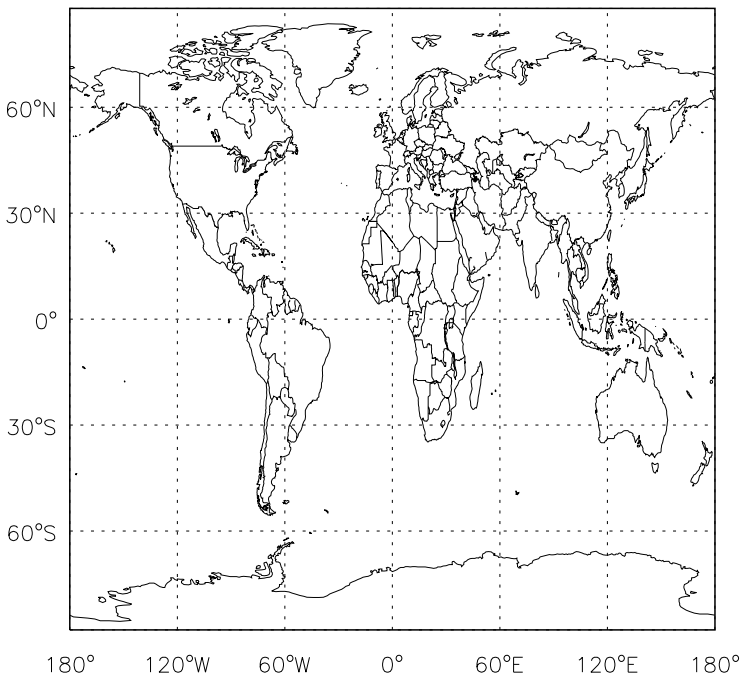
v11-01d-Run0 / v11-01b-Run0

H2O/ Ratio @ 500 hPa for Oct



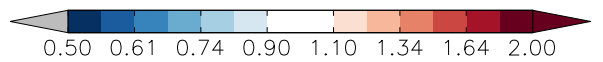
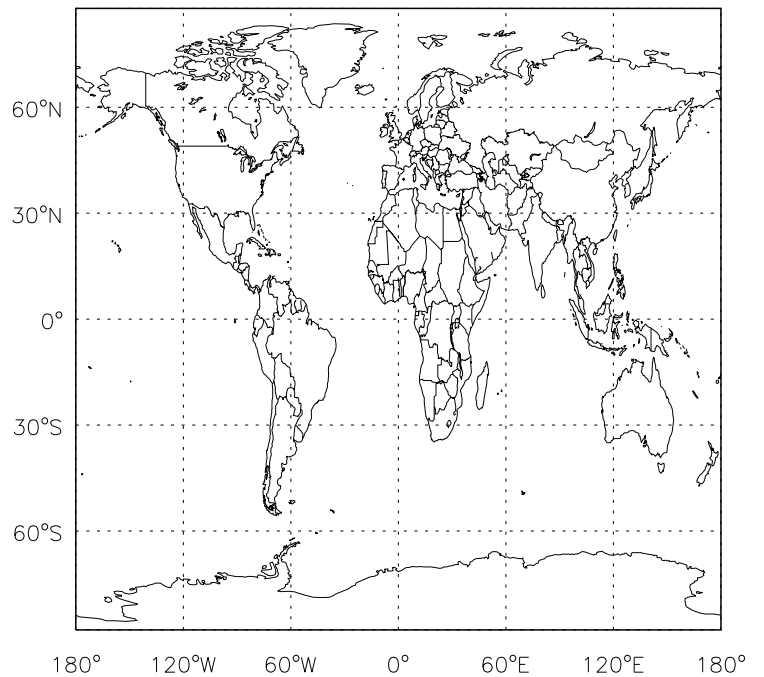
v11-01d-Run0 / v10-01-public-Run0

H2O / Ratio @ Surface for Oct



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

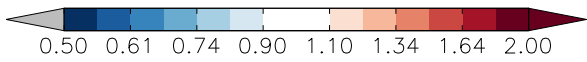
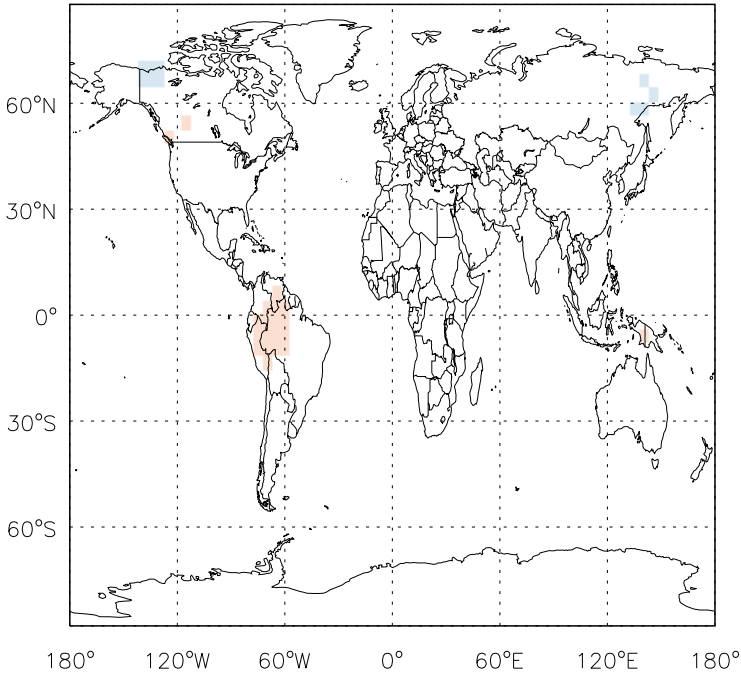
H2O/ Ratio @ 500 hPa for Oct



# GEOS-Chem Ratio Maps at surface and 500 hPa

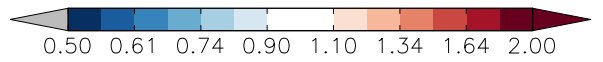
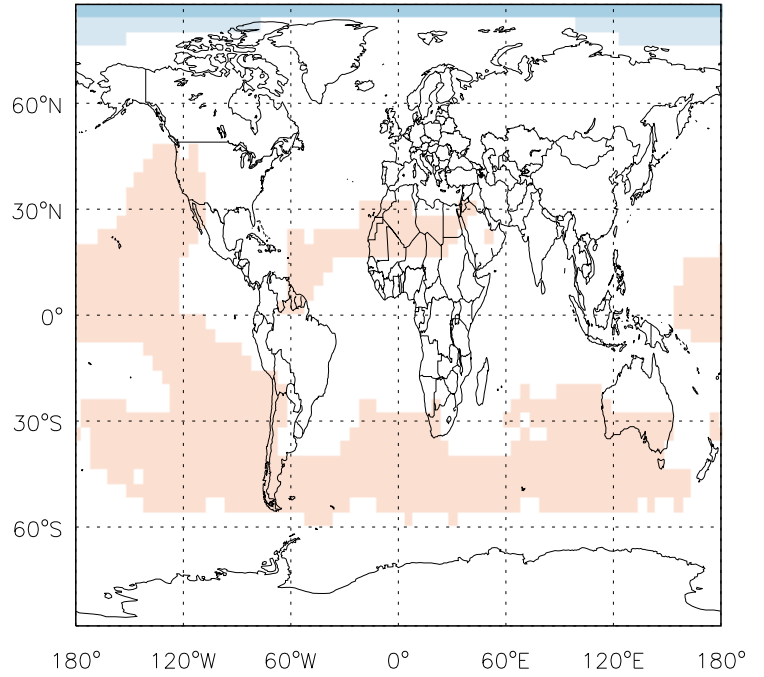
v11-01d-Run0 / v11-01b-Run0

OH / Ratio @ Surface for Oct



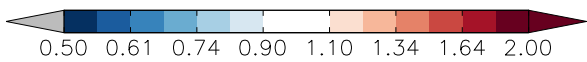
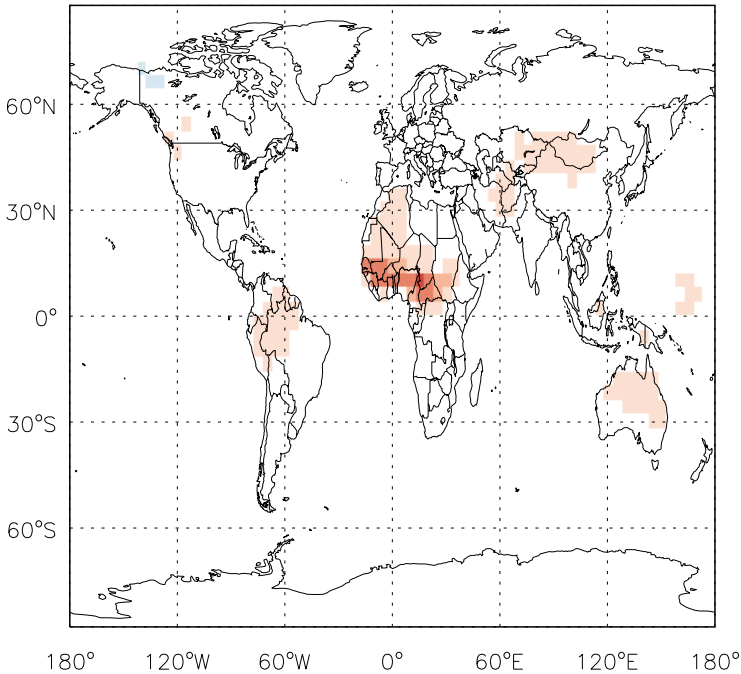
v11-01d-Run0 / v11-01b-Run0

OH / Ratio @ 500 hPa for Oct



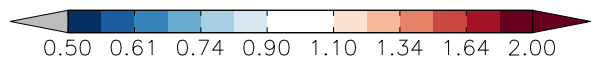
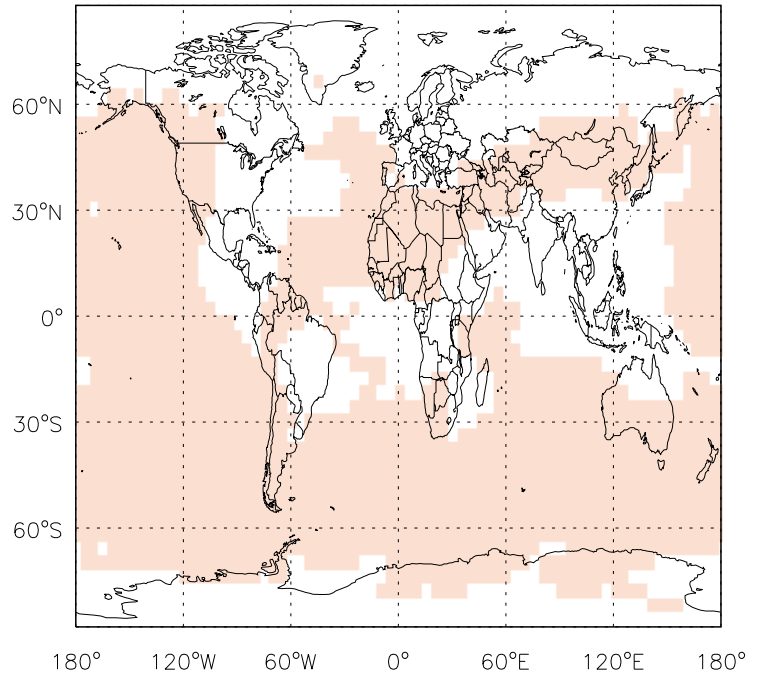
v11-01d-Run0 / v10-01-public-Run0

OH / Ratio @ Surface for Oct



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

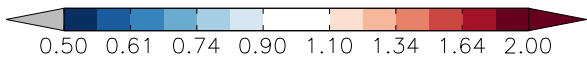
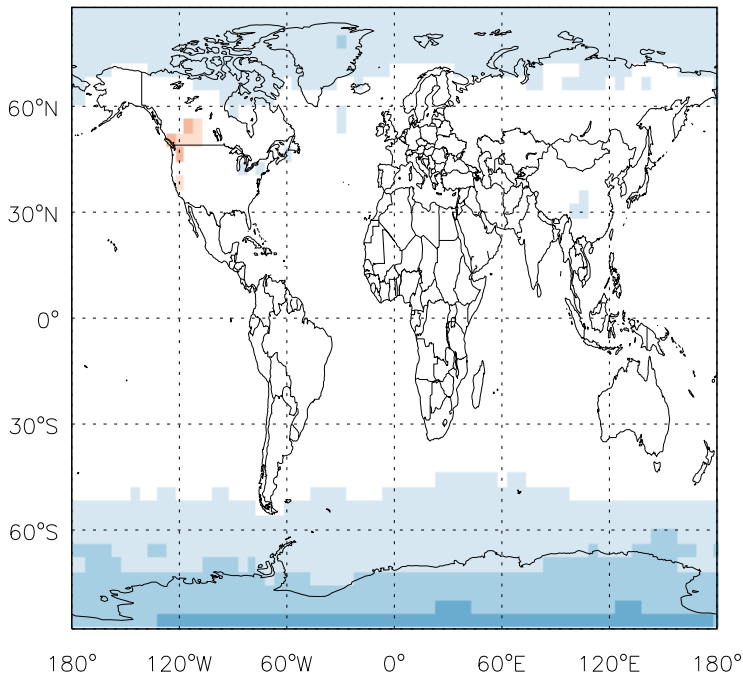
OH / Ratio @ 500 hPa for Oct



# GEOS-Chem Ratio Maps at surface and 500 hPa

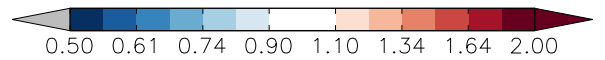
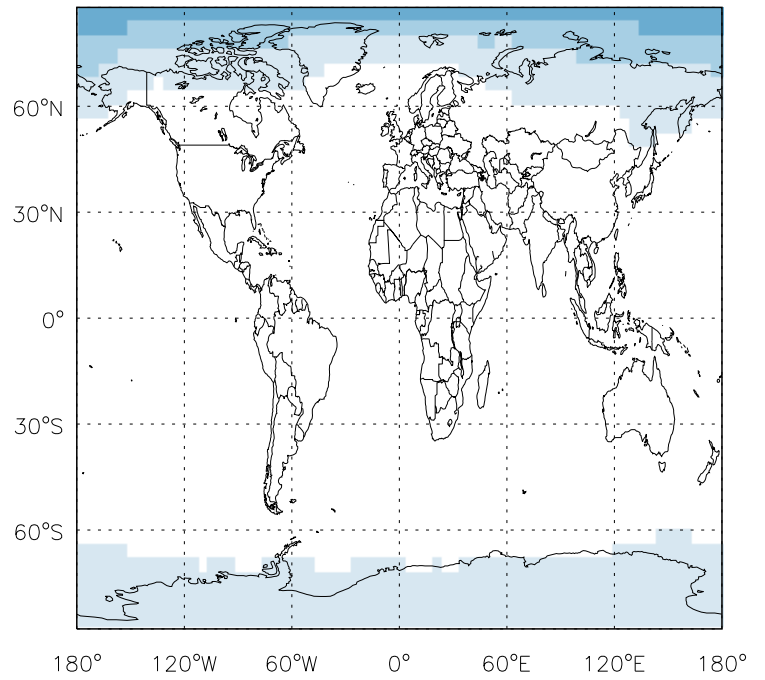
v11-01d-Run0 / v11-01b-Run0

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



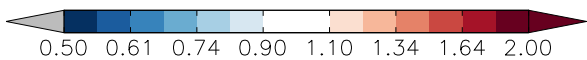
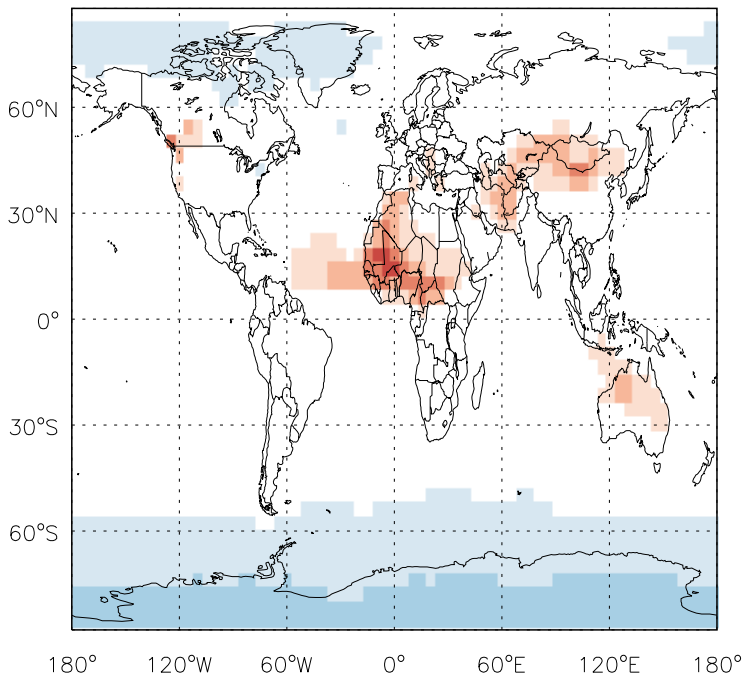
v11-01d-Run0 / v11-01b-Run0

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



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

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



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

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

