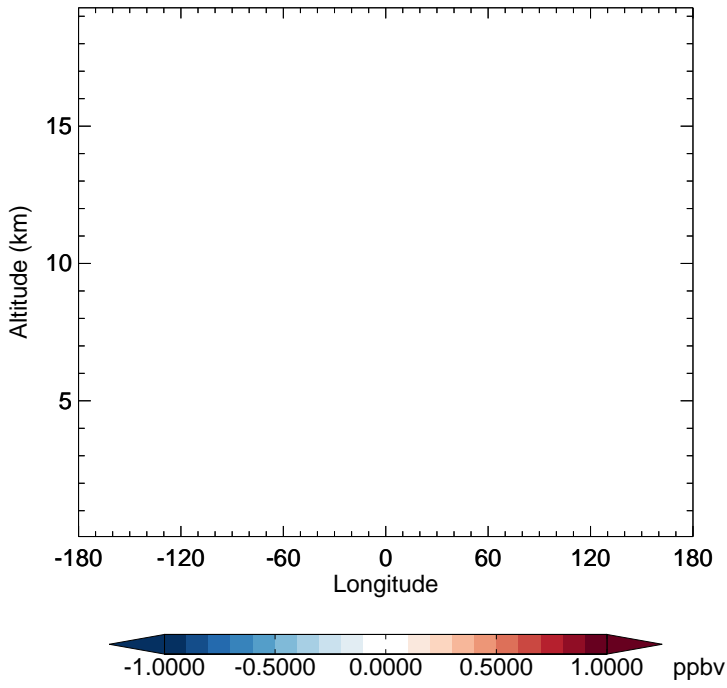
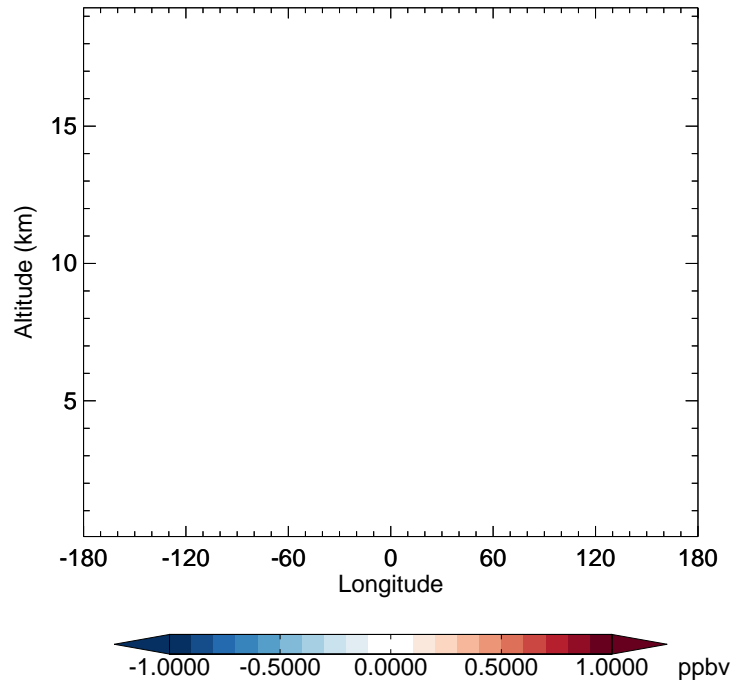


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

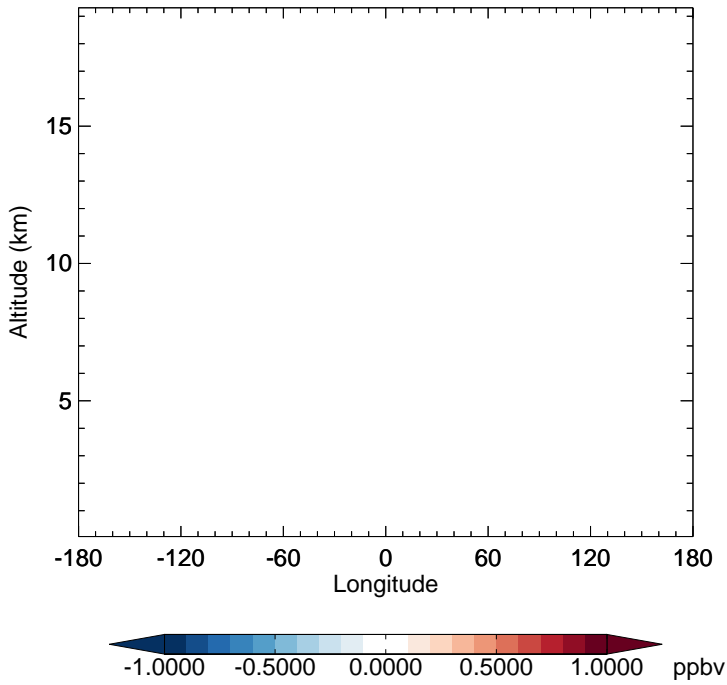
GC\_12.0.0 - v11-02f-Run1  
NO - Diff along 15S for Apr



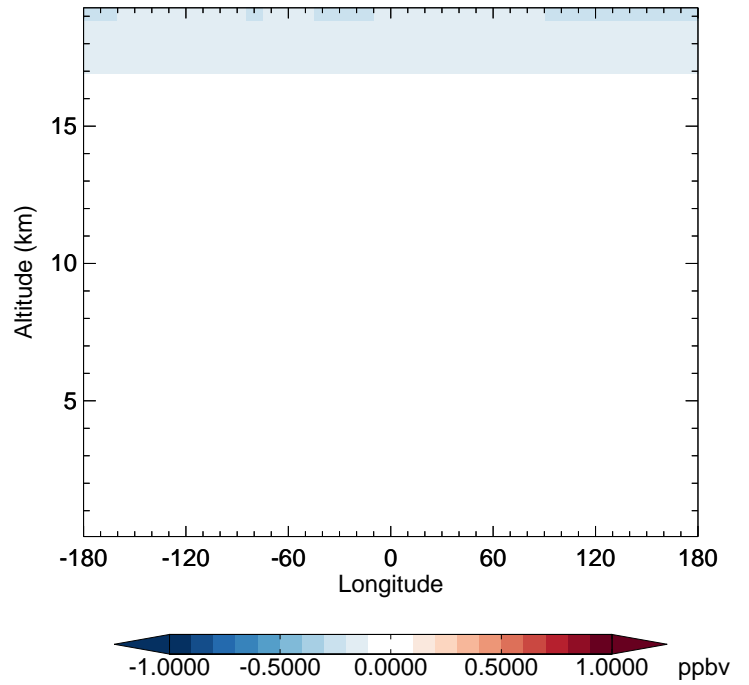
GC\_12.0.0 - v11-02f-Run1  
NO - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
NO - Diff along 15S for Apr

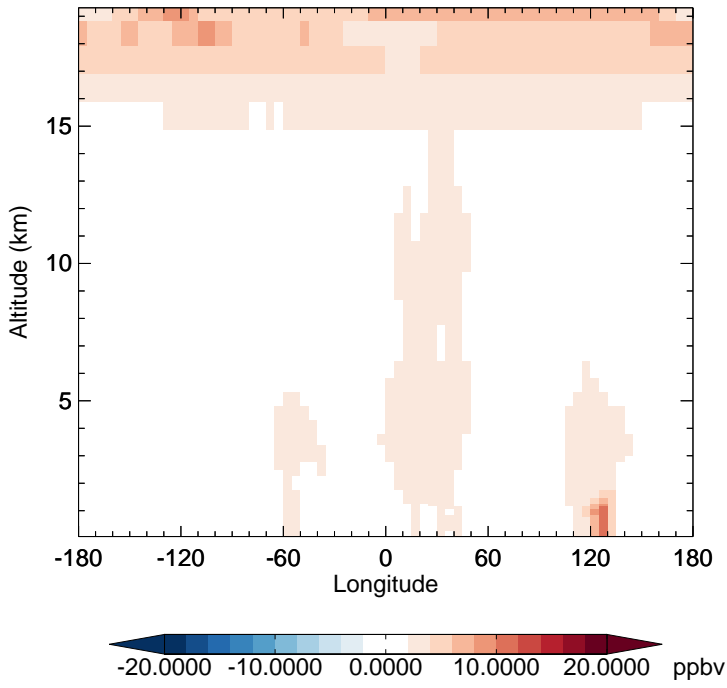


GC\_12.0.0 - v11-02e-Run1  
NO - Diff along 42N for Apr

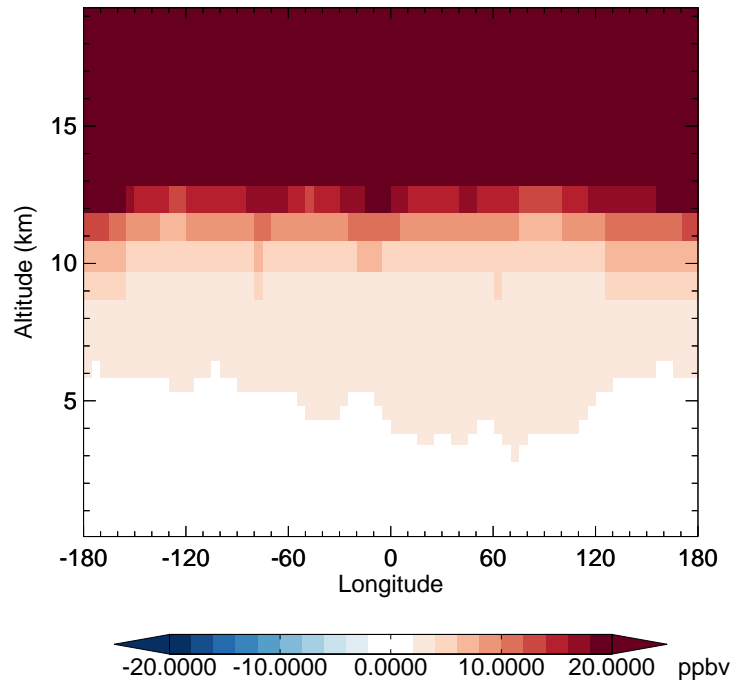


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

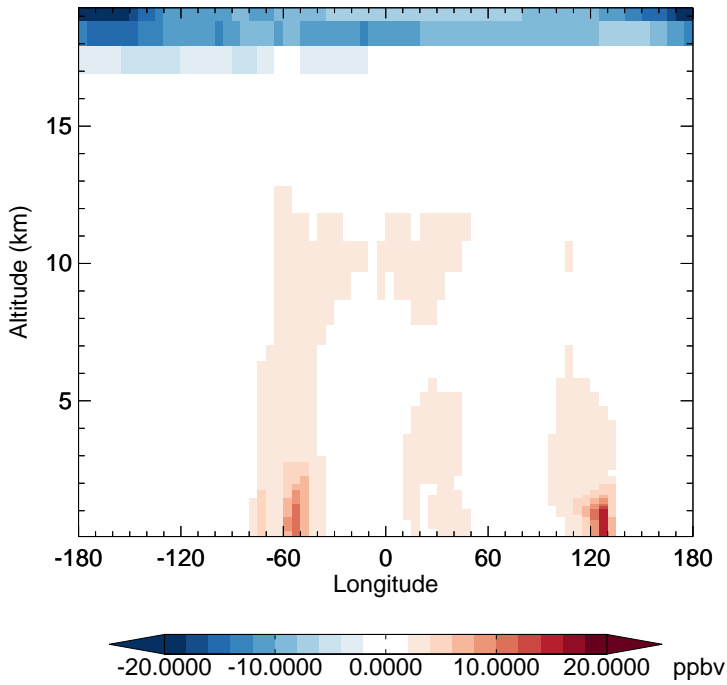
GC\_12.0.0 - v11-02f-Run1  
O3 - Diff along 15S for Apr



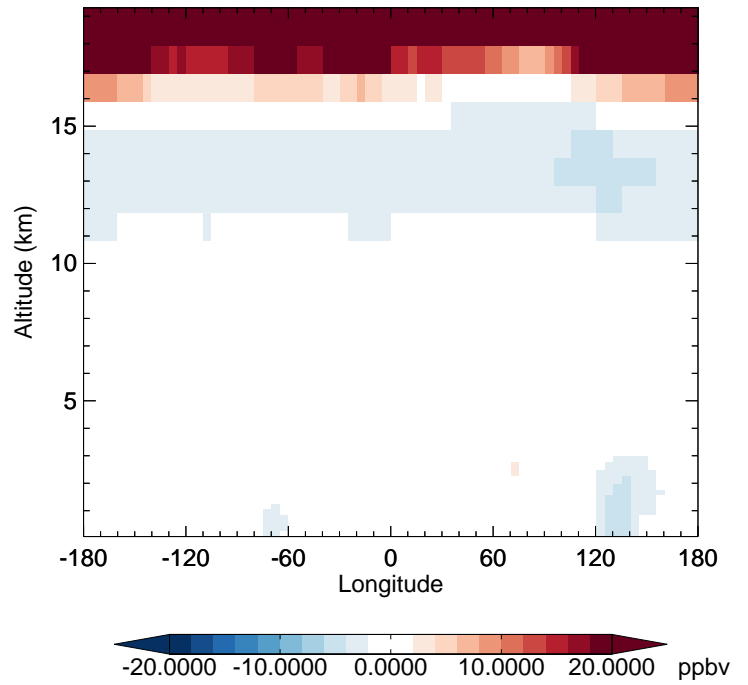
GC\_12.0.0 - v11-02f-Run1  
O3 - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
O3 - Diff along 15S for Apr

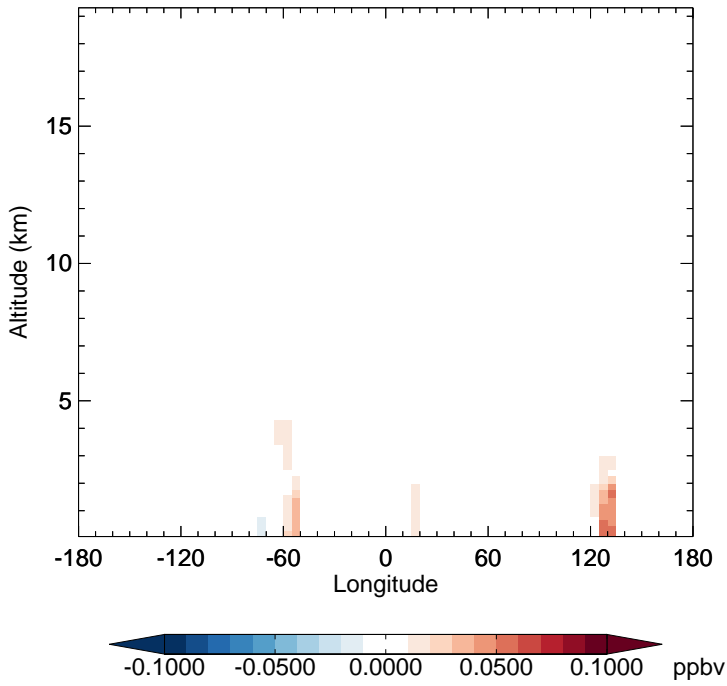


GC\_12.0.0 - v11-02e-Run1  
O3 - Diff along 42N for Apr

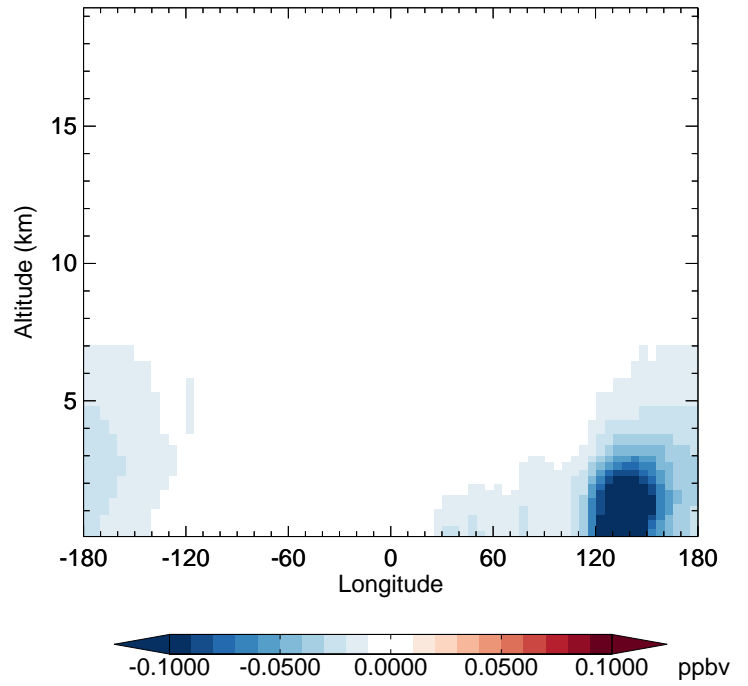


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

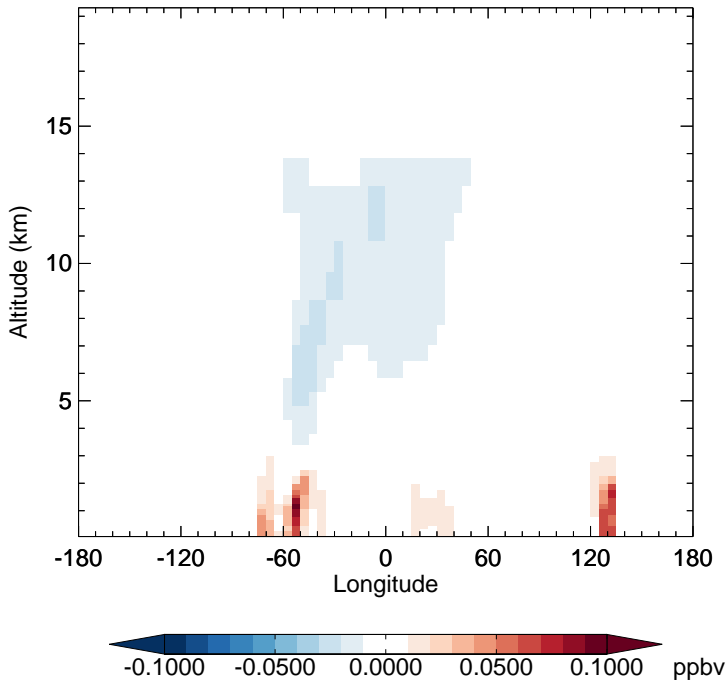
GC\_12.0.0 - v11-02f-Run1  
PAN - Diff along 15S for Apr



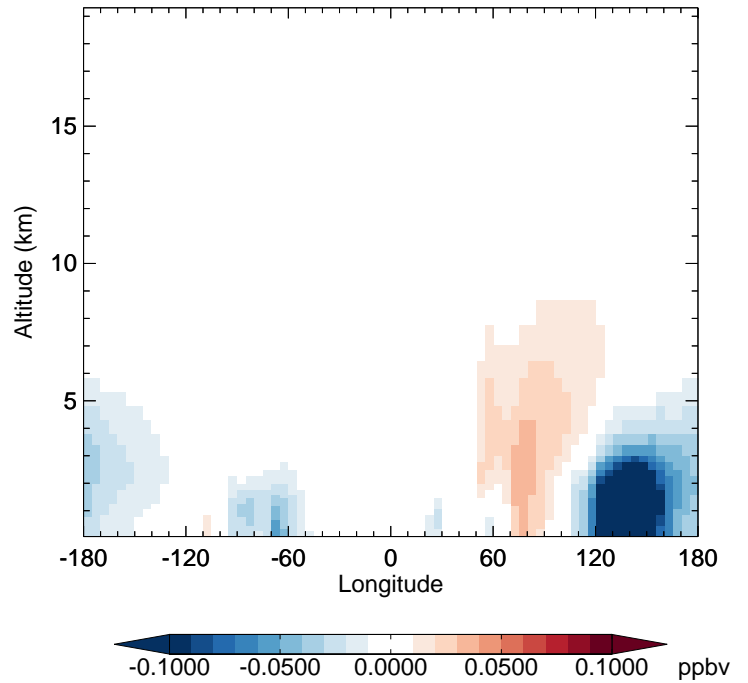
GC\_12.0.0 - v11-02f-Run1  
PAN - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
PAN - Diff along 15S for Apr

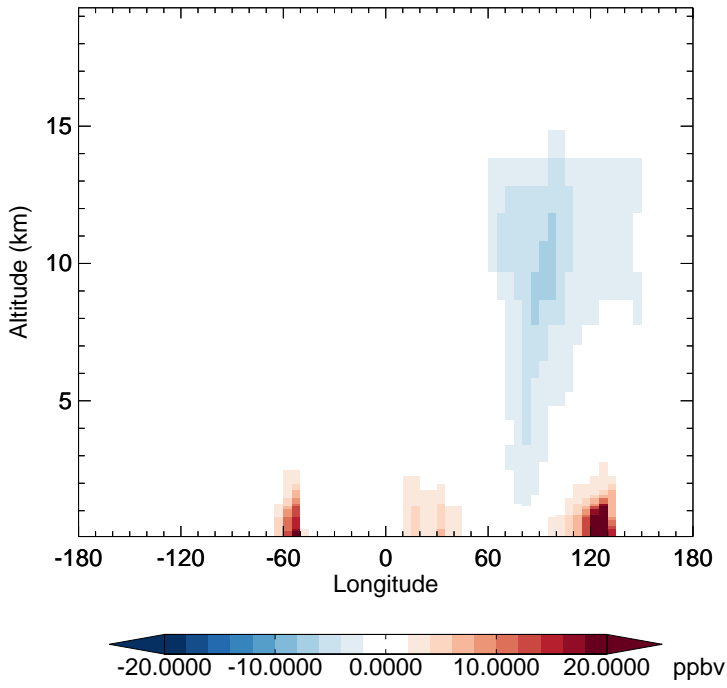


GC\_12.0.0 - v11-02e-Run1  
PAN - Diff along 42N for Apr

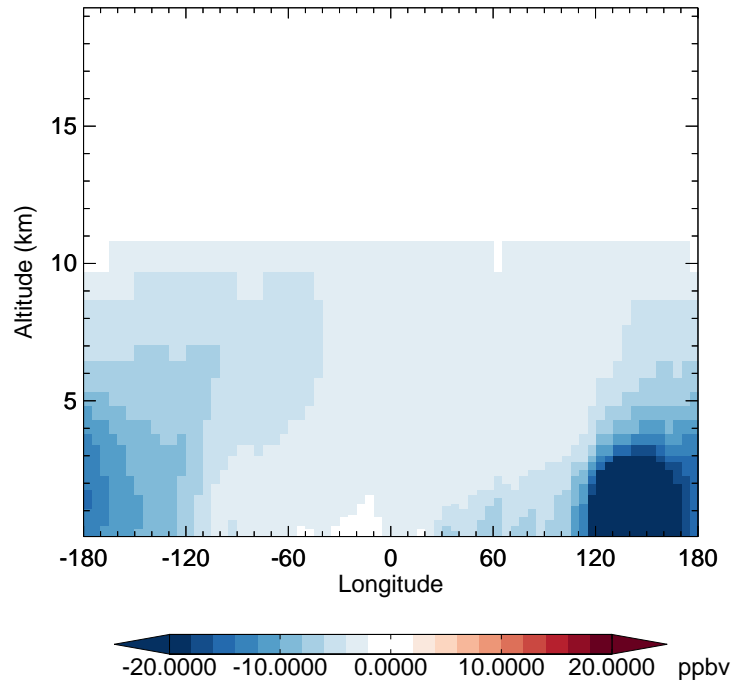


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

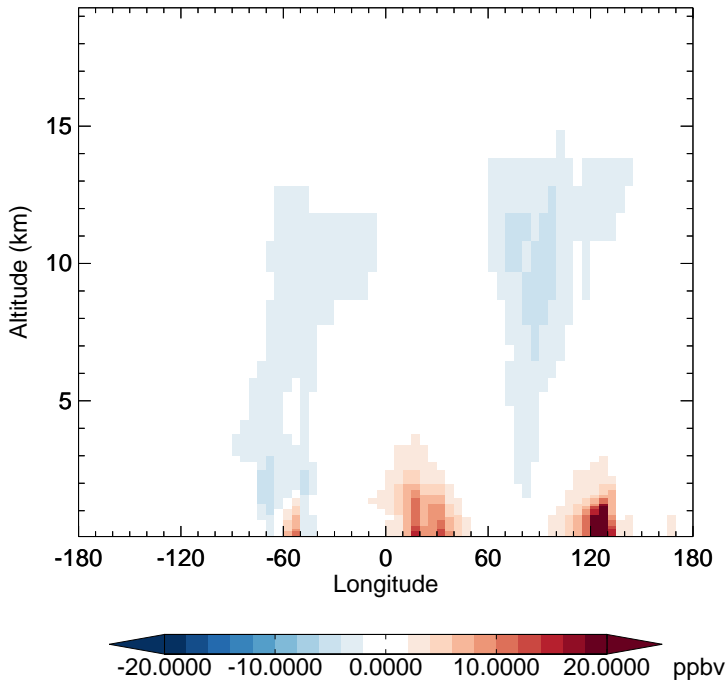
GC\_12.0.0 - v11-02f-Run1  
CO - Diff along 15S for Apr



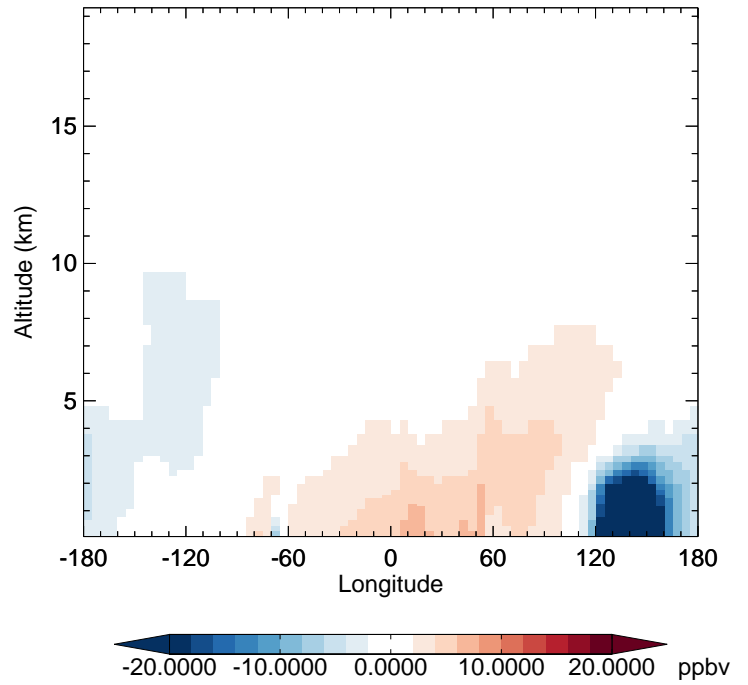
GC\_12.0.0 - v11-02f-Run1  
CO - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
CO - Diff along 15S for Apr

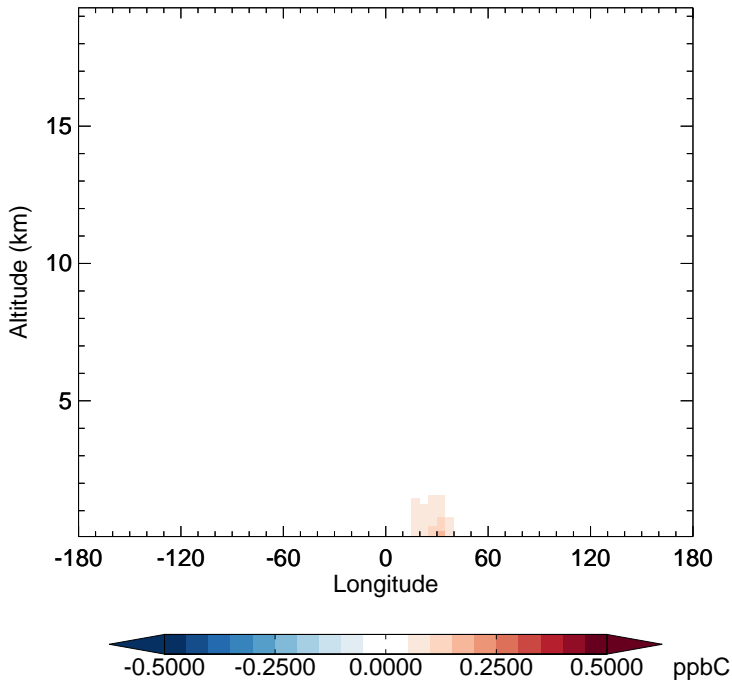


GC\_12.0.0 - v11-02e-Run1  
CO - Diff along 42N for Apr

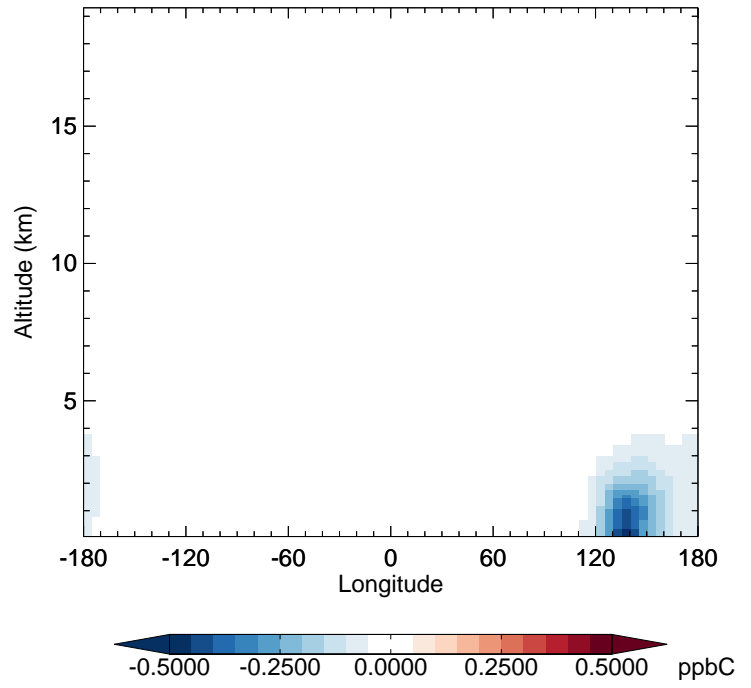


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

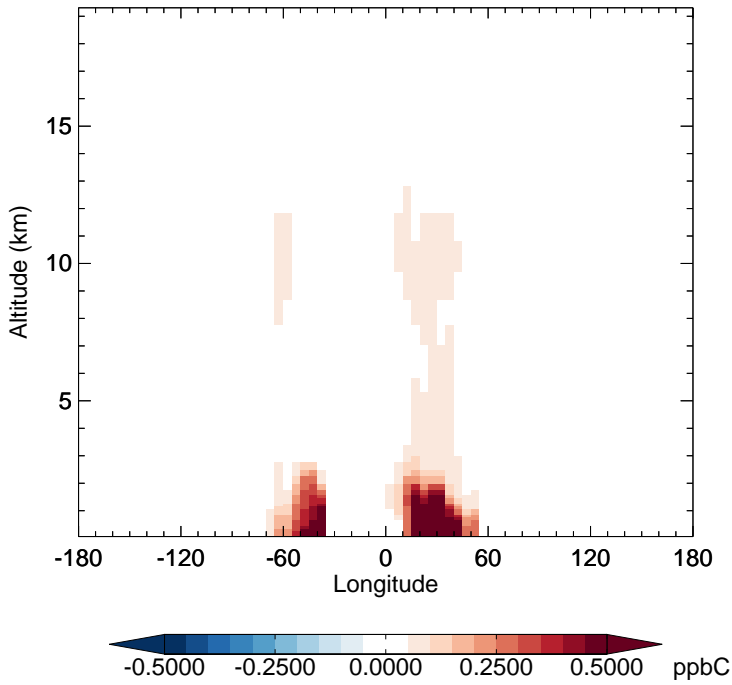
GC\_12.0.0 - v11-02f-Run1  
ALK4 - Diff along 15S for Apr



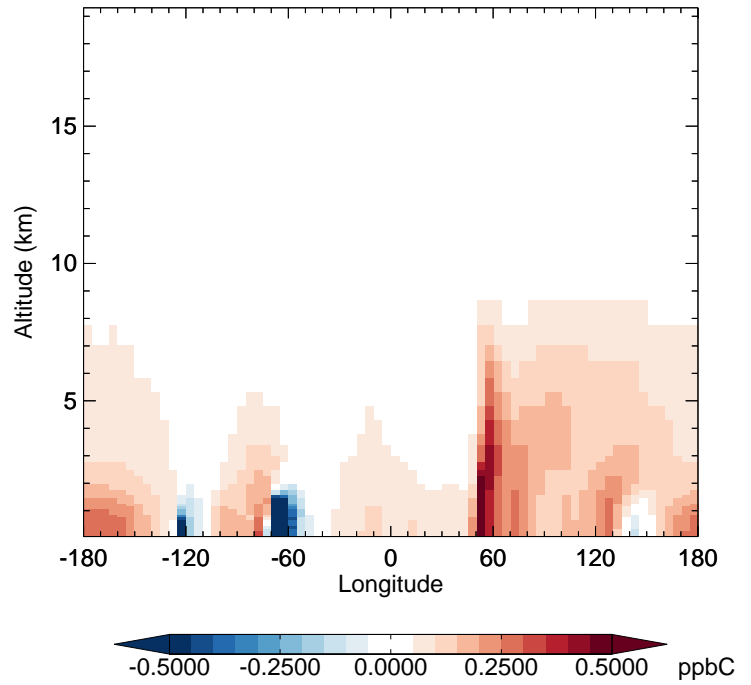
GC\_12.0.0 - v11-02f-Run1  
ALK4 - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
ALK4 - Diff along 15S for Apr

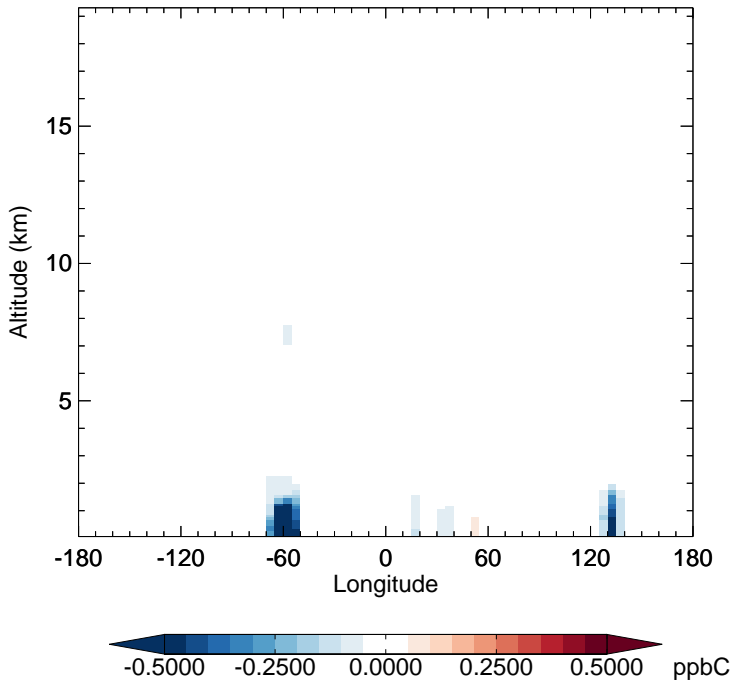


GC\_12.0.0 - v11-02e-Run1  
ALK4 - Diff along 42N for Apr

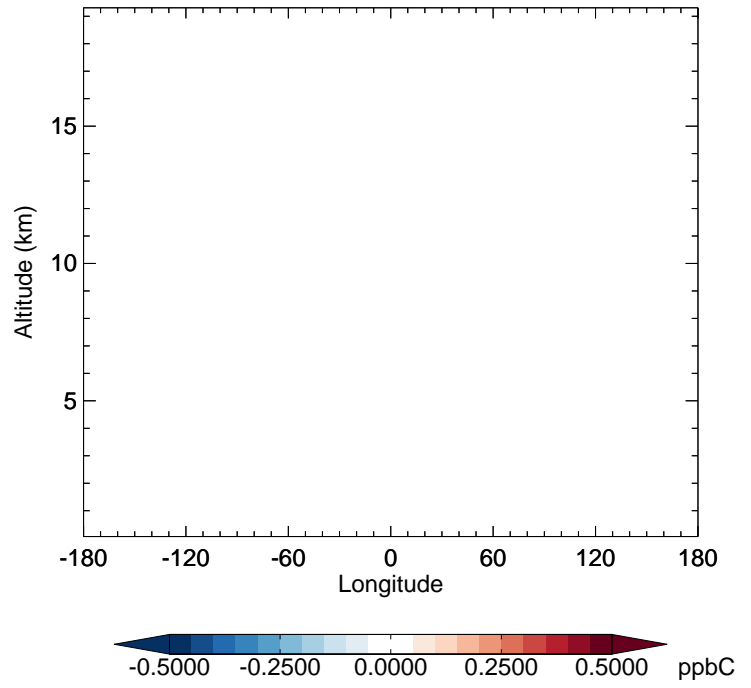


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

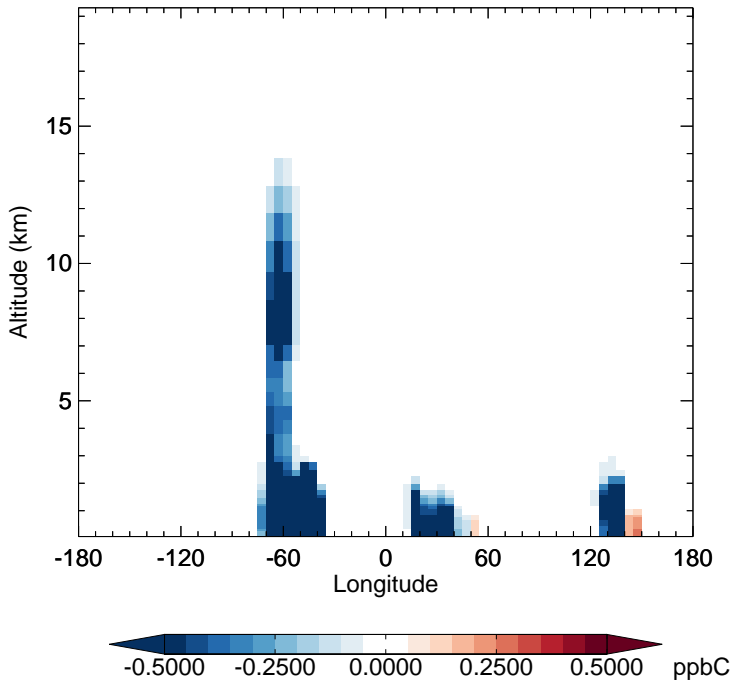
GC\_12.0.0 - v11-02f-Run1  
ISOP - Diff along 15S for Apr



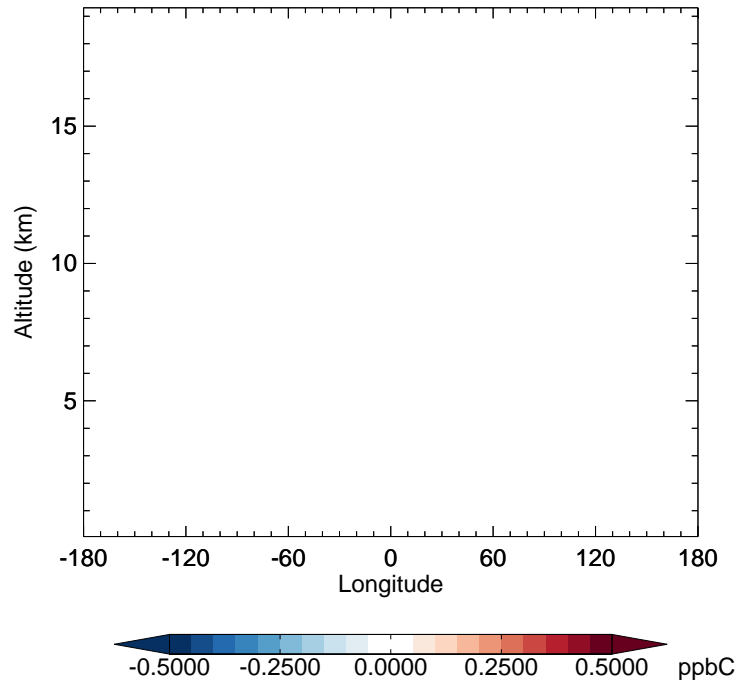
GC\_12.0.0 - v11-02f-Run1  
ISOP - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
ISOP - Diff along 15S for Apr

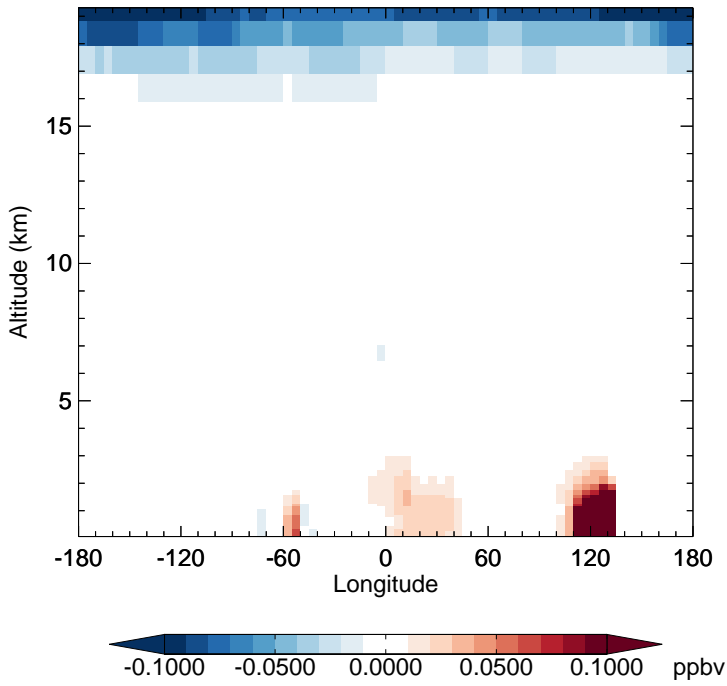


GC\_12.0.0 - v11-02e-Run1  
ISOP - Diff along 42N for Apr

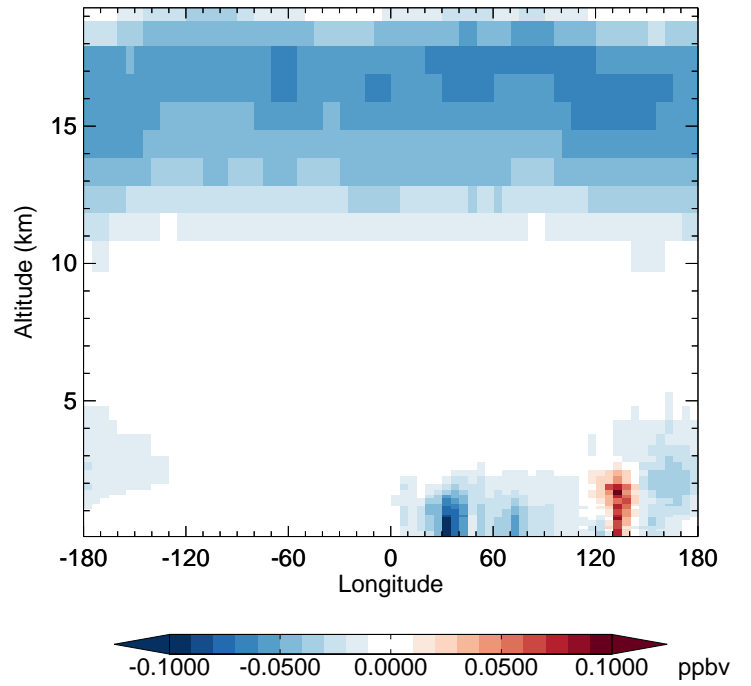


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

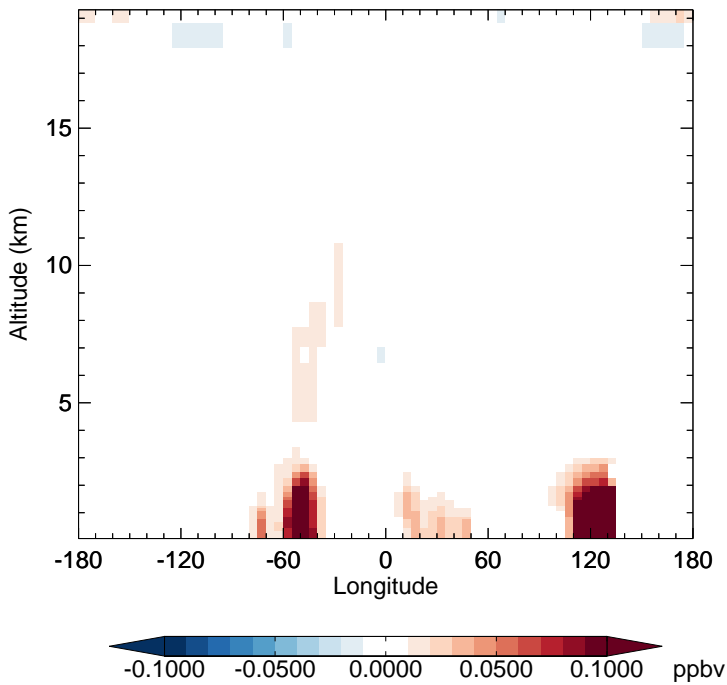
GC\_12.0.0 - v11-02f-Run1  
HNO<sub>3</sub> - Diff along 15S for Apr



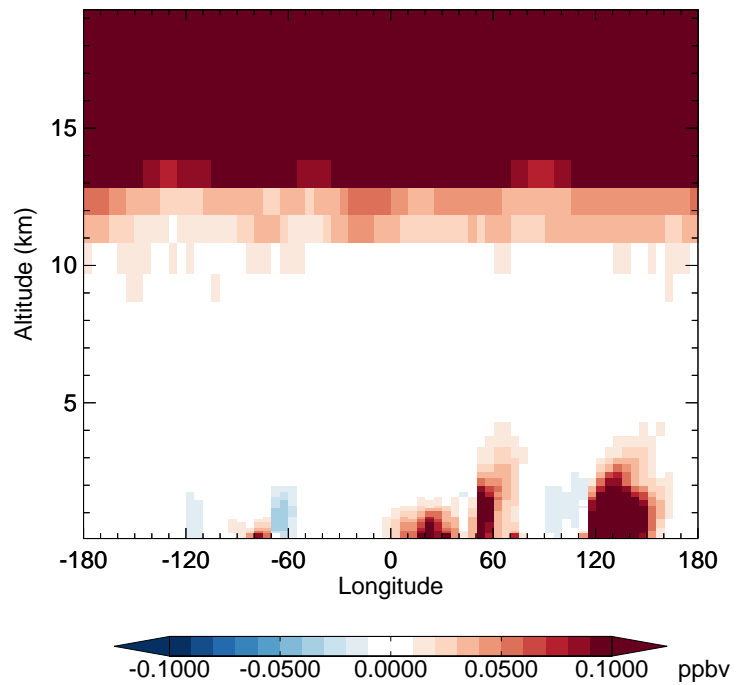
GC\_12.0.0 - v11-02f-Run1  
HNO<sub>3</sub> - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
HNO<sub>3</sub> - Diff along 15S for Apr

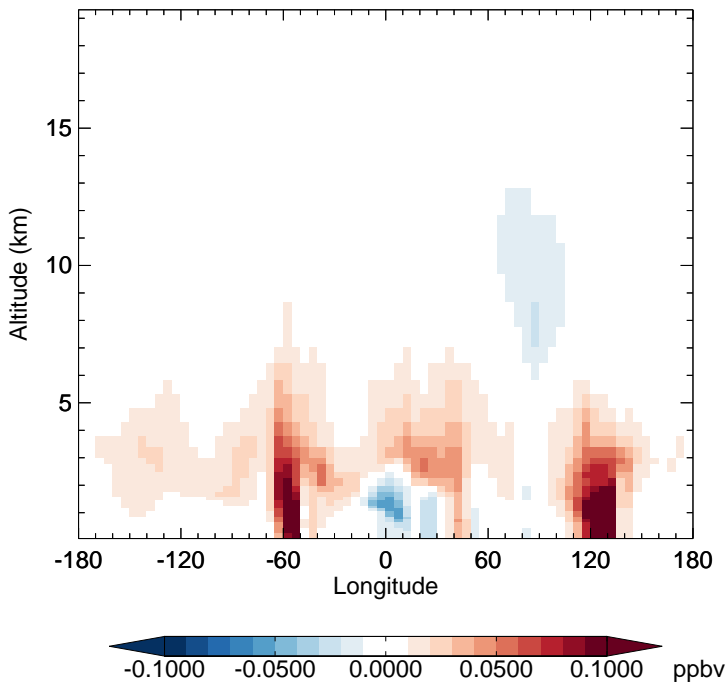


GC\_12.0.0 - v11-02e-Run1  
HNO<sub>3</sub> - Diff along 42N for Apr

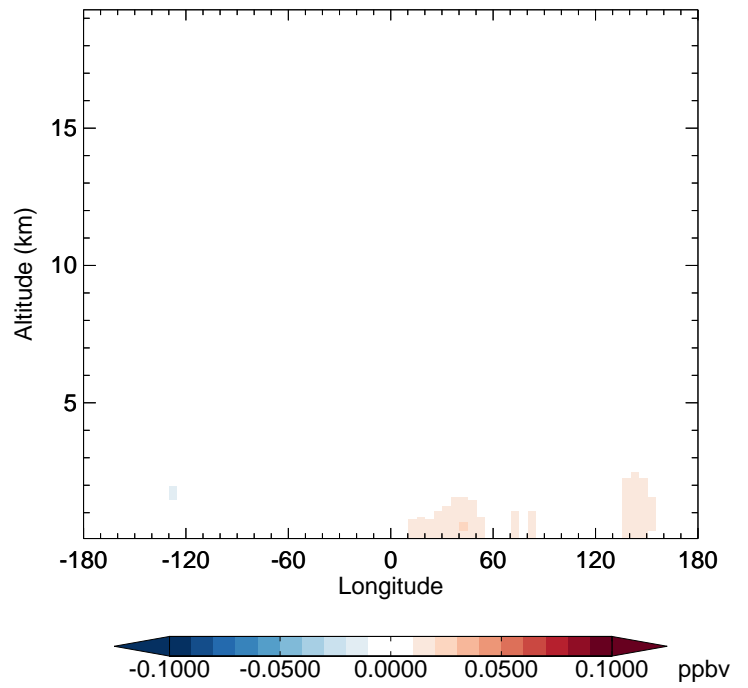


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

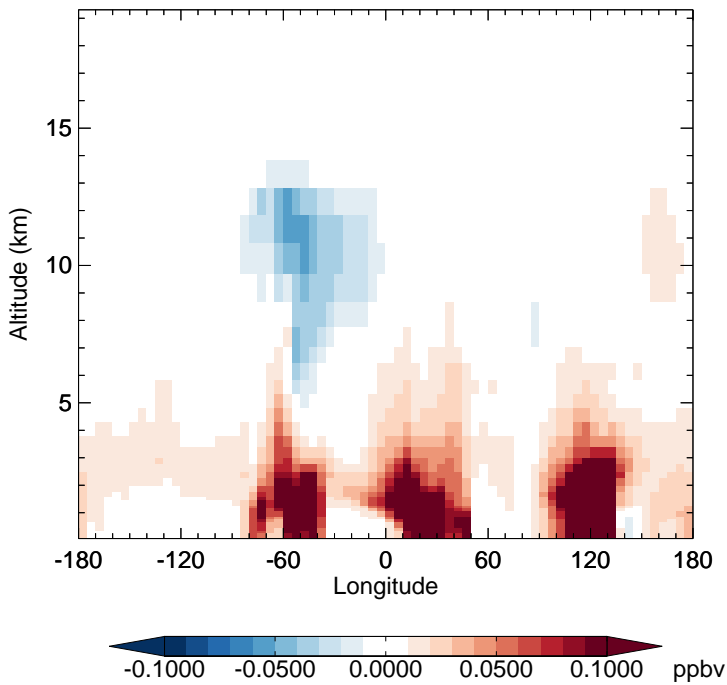
GC\_12.0.0 - v11-02f-Run1  
H2O2 - Diff along 15S for Apr



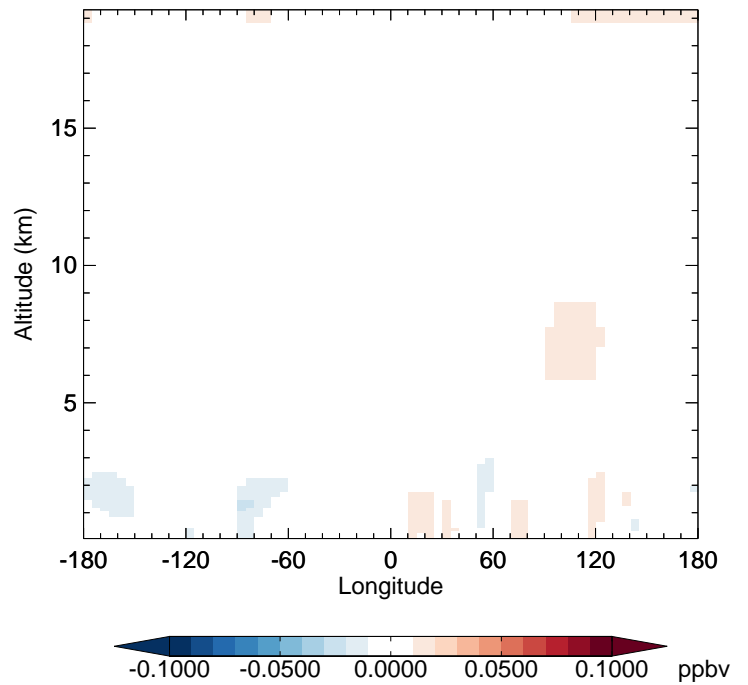
GC\_12.0.0 - v11-02f-Run1  
H2O2 - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
H2O2 - Diff along 15S for Apr



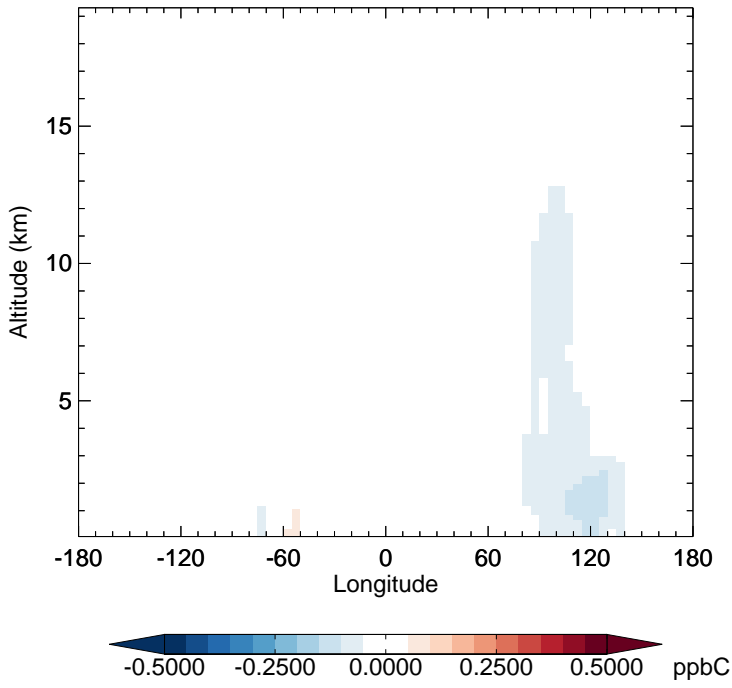
GC\_12.0.0 - v11-02e-Run1  
H2O2 - Diff along 42N for Apr



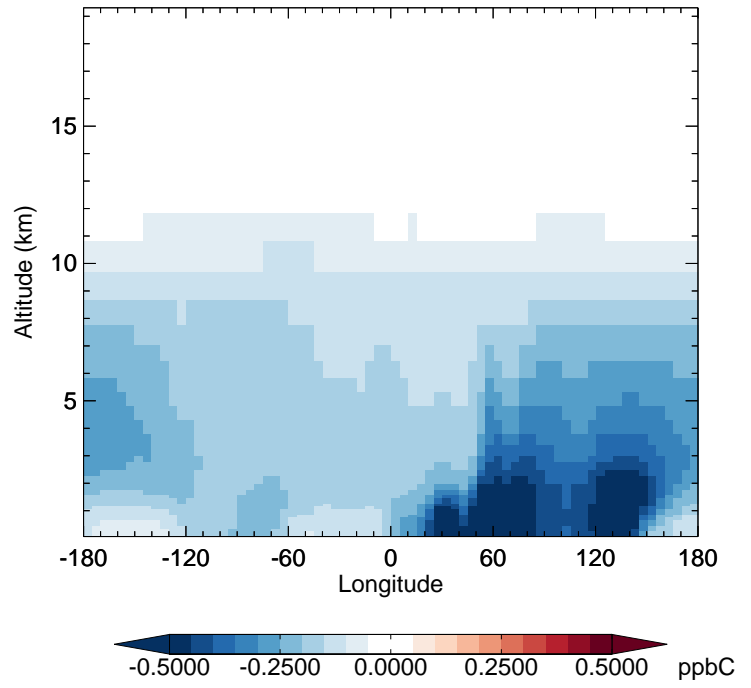


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

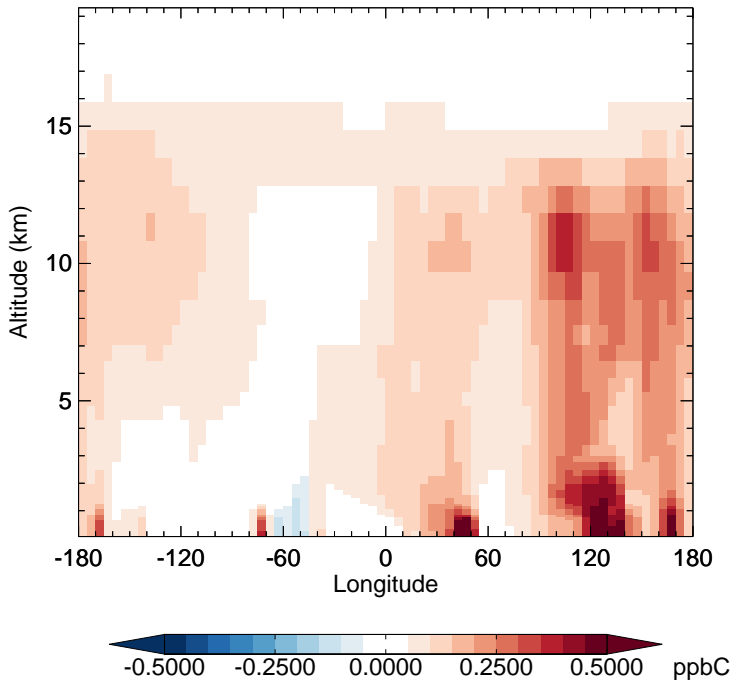
GC\_12.0.0 - v11-02f-Run1  
ACET - Diff along 15S for Apr



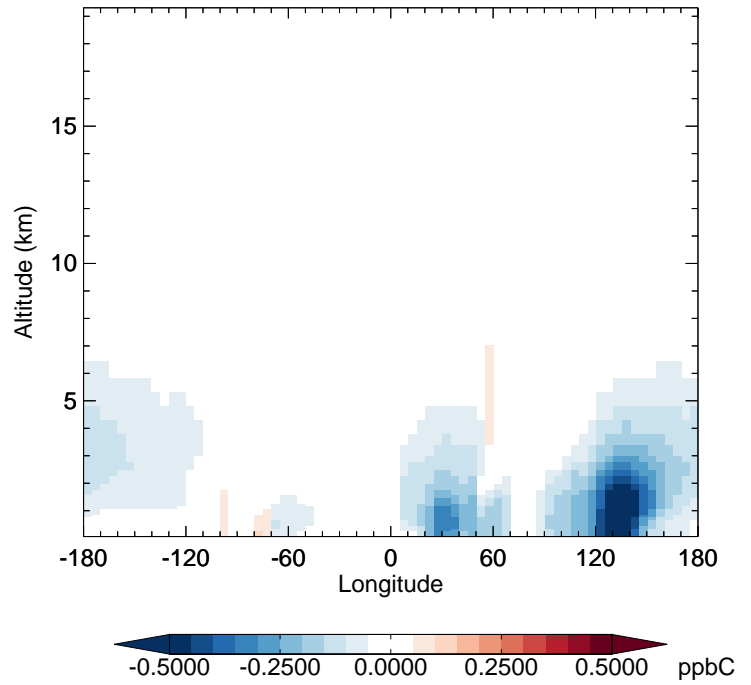
GC\_12.0.0 - v11-02f-Run1  
ACET - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
ACET - Diff along 15S for Apr

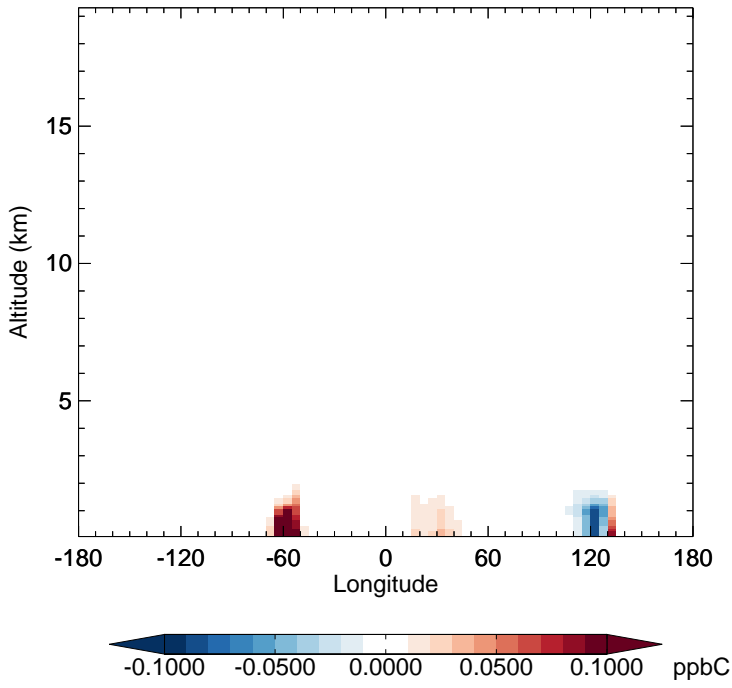


GC\_12.0.0 - v11-02e-Run1  
ACET - Diff along 42N for Apr

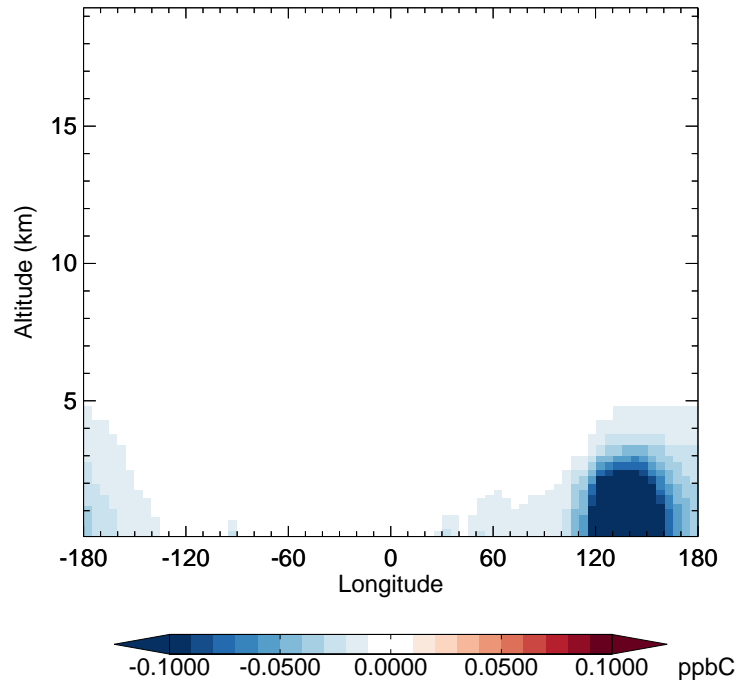


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

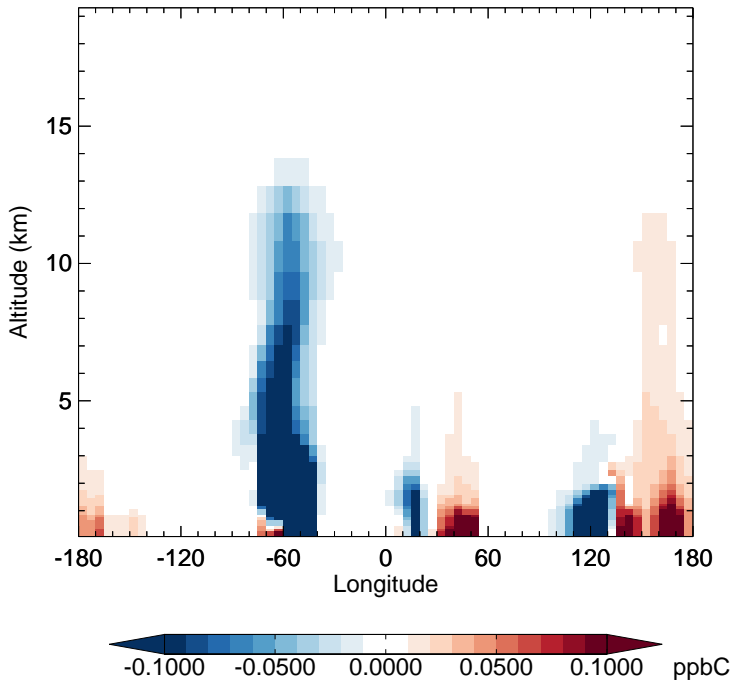
GC\_12.0.0 - v11-02f-Run1  
MEK - Diff along 15S for Apr



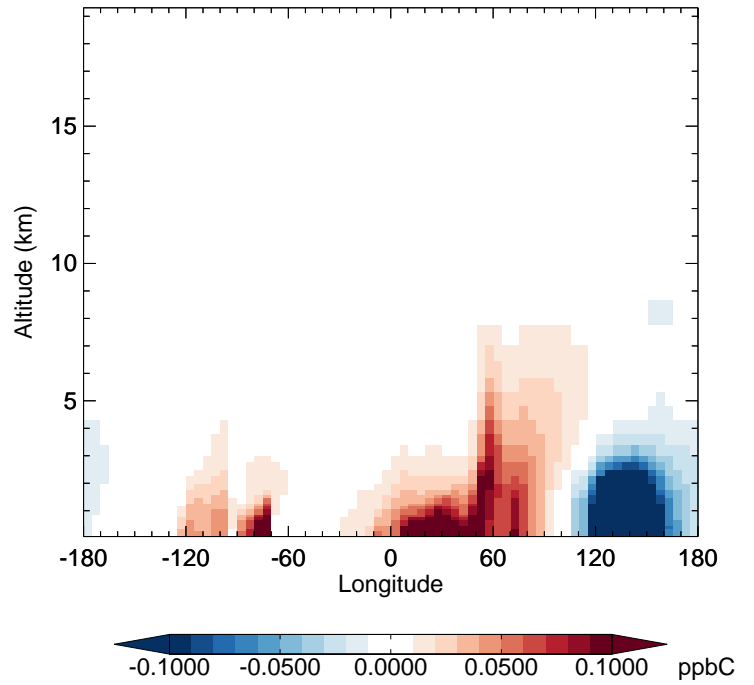
GC\_12.0.0 - v11-02f-Run1  
MEK - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
MEK - Diff along 15S for Apr

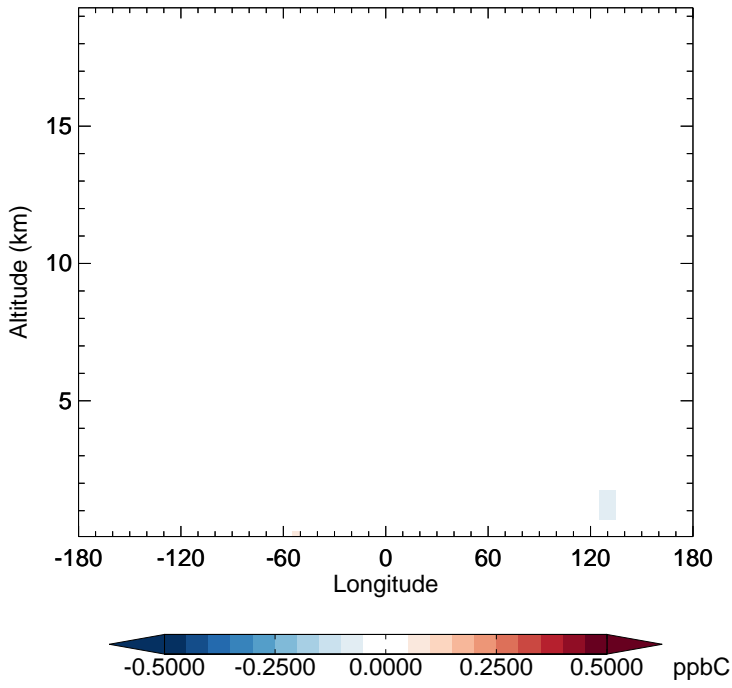


GC\_12.0.0 - v11-02e-Run1  
MEK - Diff along 42N for Apr

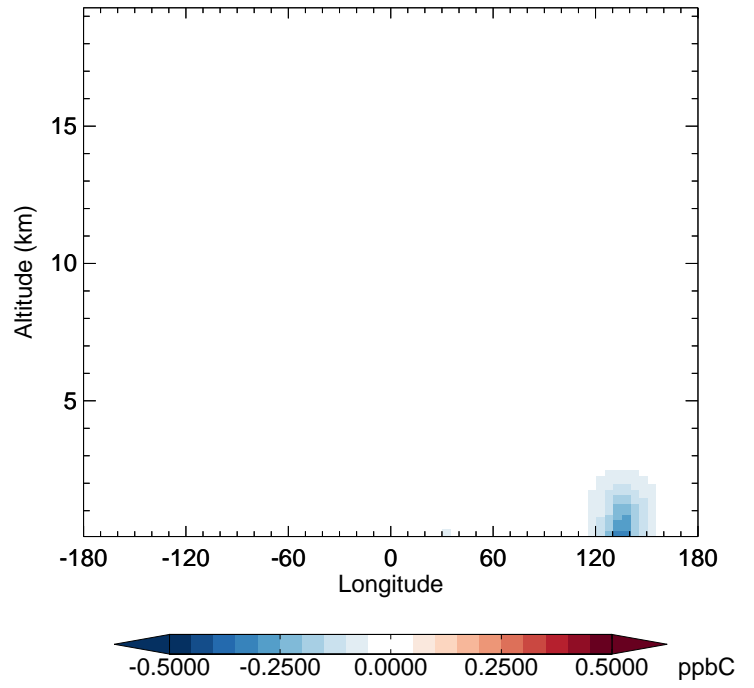


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

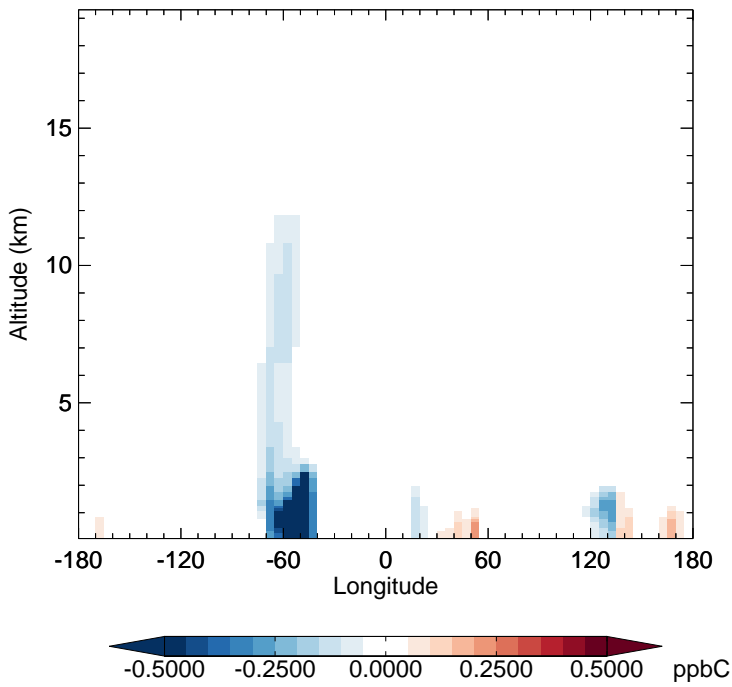
GC\_12.0.0 - v11-02f-Run1  
ALD2 - Diff along 15S for Apr



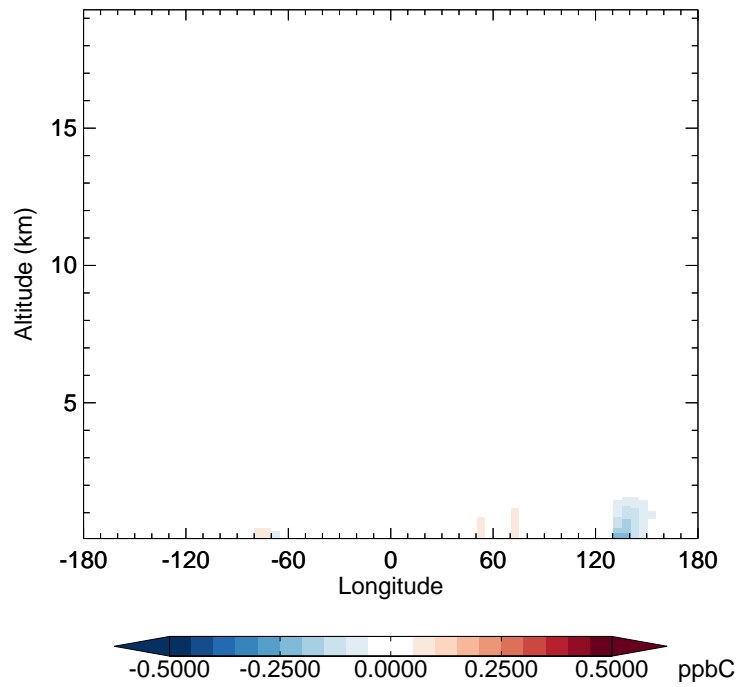
GC\_12.0.0 - v11-02f-Run1  
ALD2 - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
ALD2 - Diff along 15S for Apr

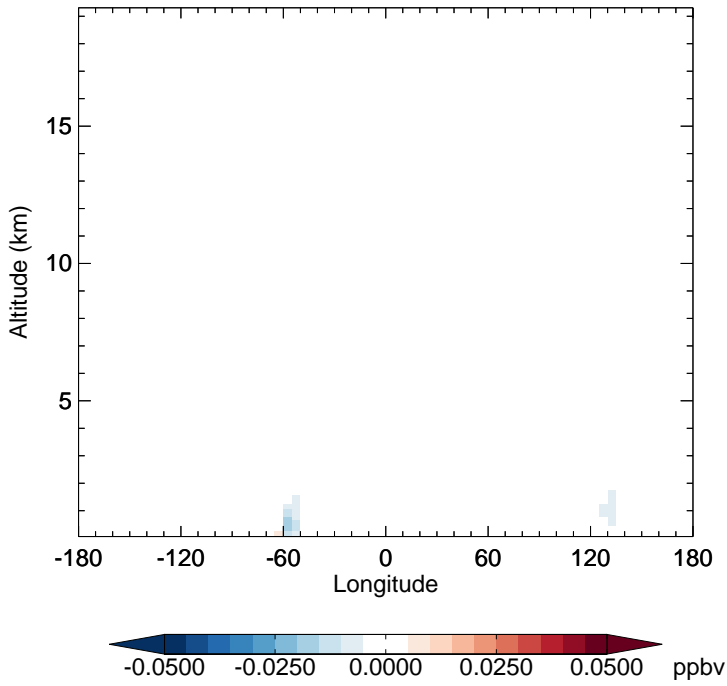


GC\_12.0.0 - v11-02e-Run1  
ALD2 - Diff along 42N for Apr

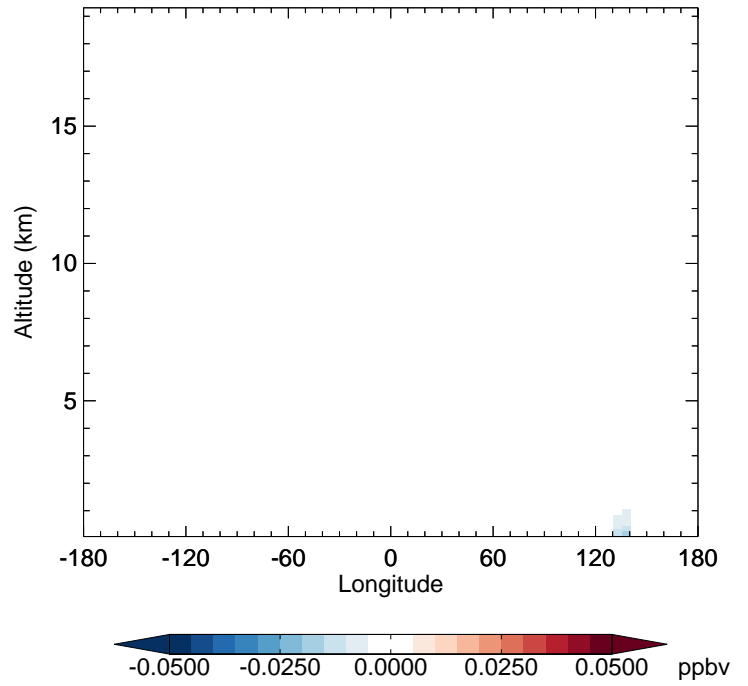


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

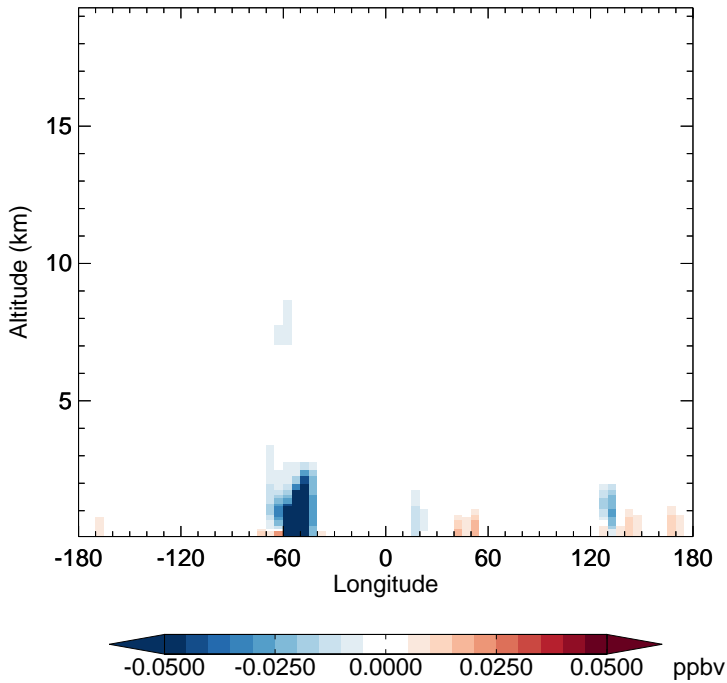
GC\_12.0.0 - v11-02f-Run1  
RCHO - Diff along 15S for Apr



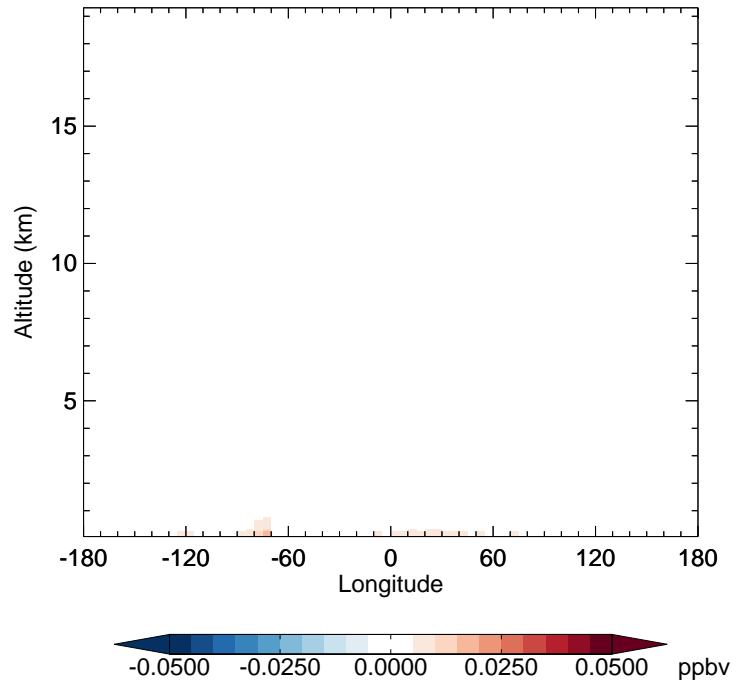
GC\_12.0.0 - v11-02f-Run1  
RCHO - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
RCHO - Diff along 15S for Apr

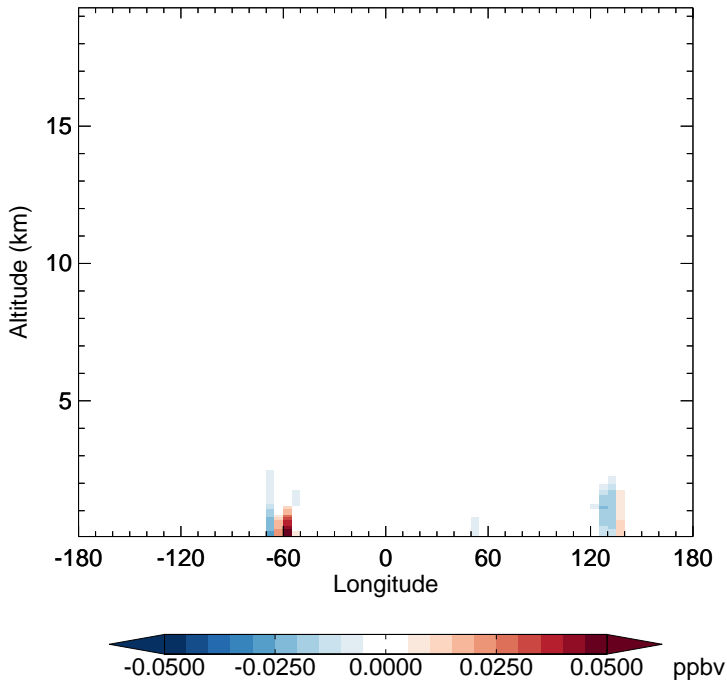


GC\_12.0.0 - v11-02e-Run1  
RCHO - Diff along 42N for Apr

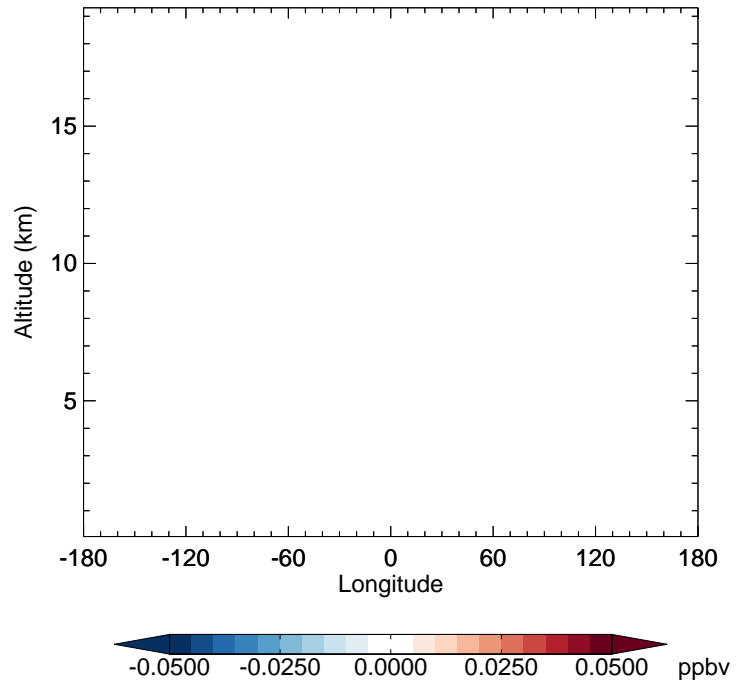


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

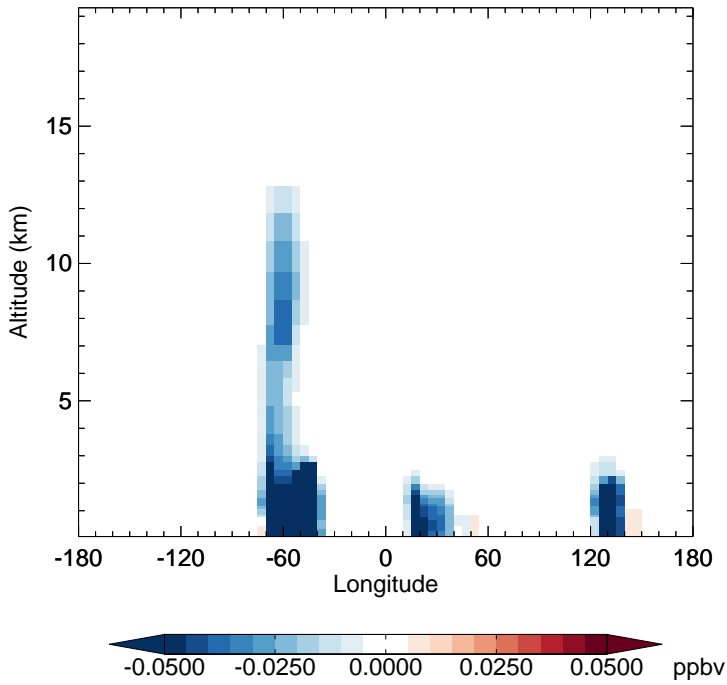
GC\_12.0.0 - v11-02f-Run1  
MVK - Diff along 15S for Apr



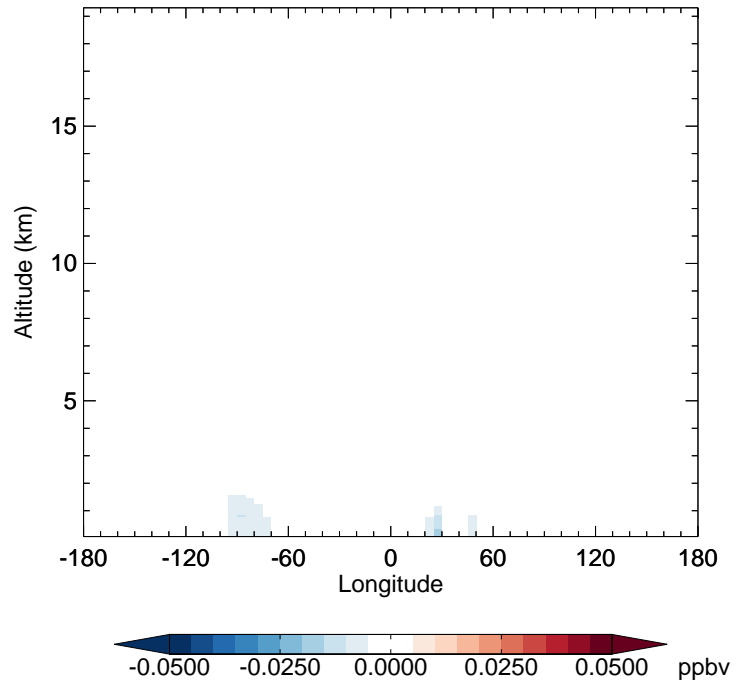
GC\_12.0.0 - v11-02f-Run1  
MVK - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
MVK - Diff along 15S for Apr

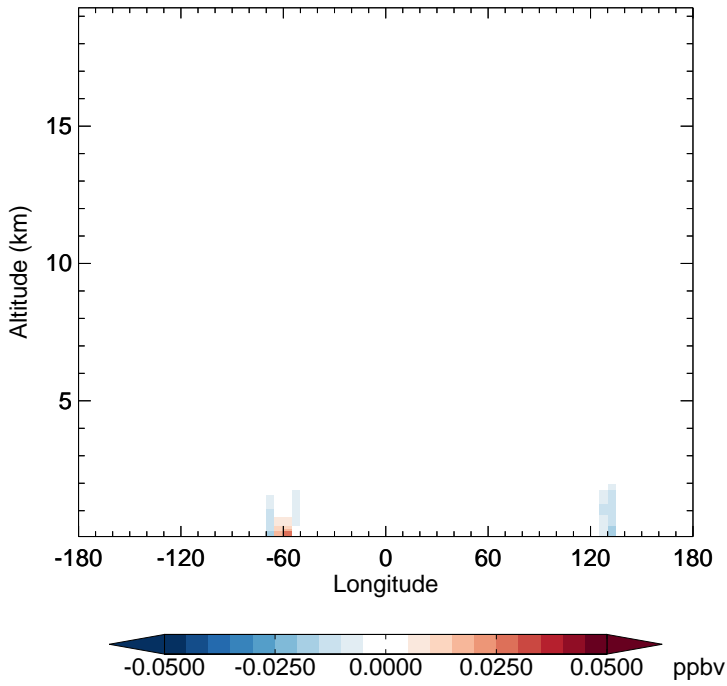


GC\_12.0.0 - v11-02e-Run1  
MVK - Diff along 42N for Apr

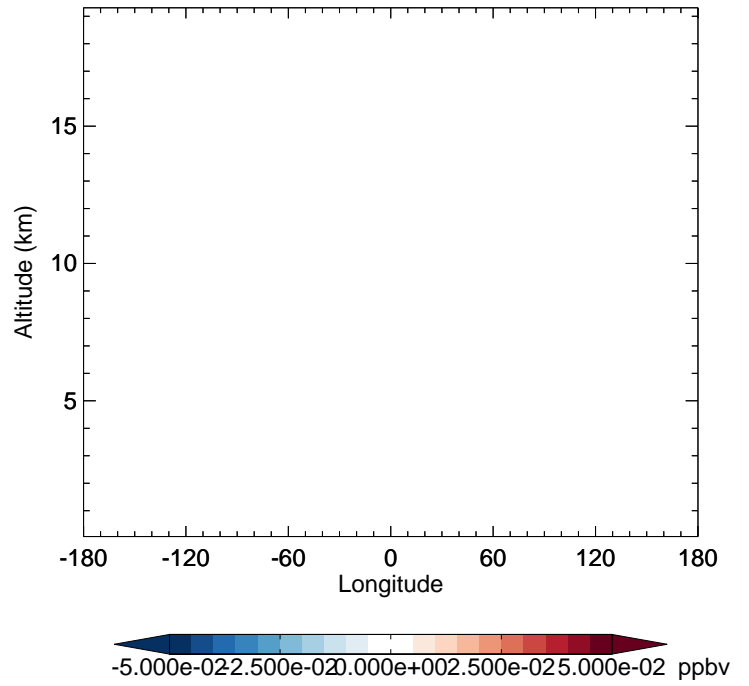


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

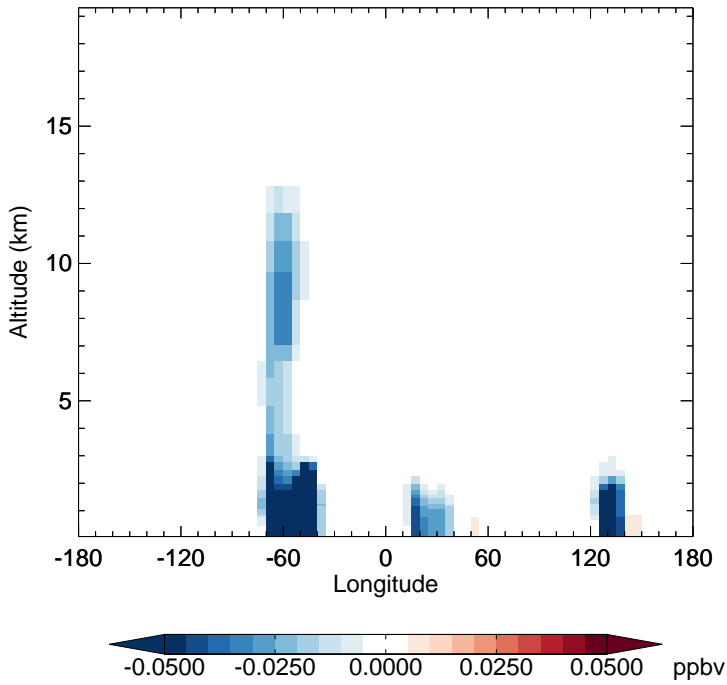
GC\_12.0.0 - v11-02f-Run1  
MACR - Diff along 15S for Apr



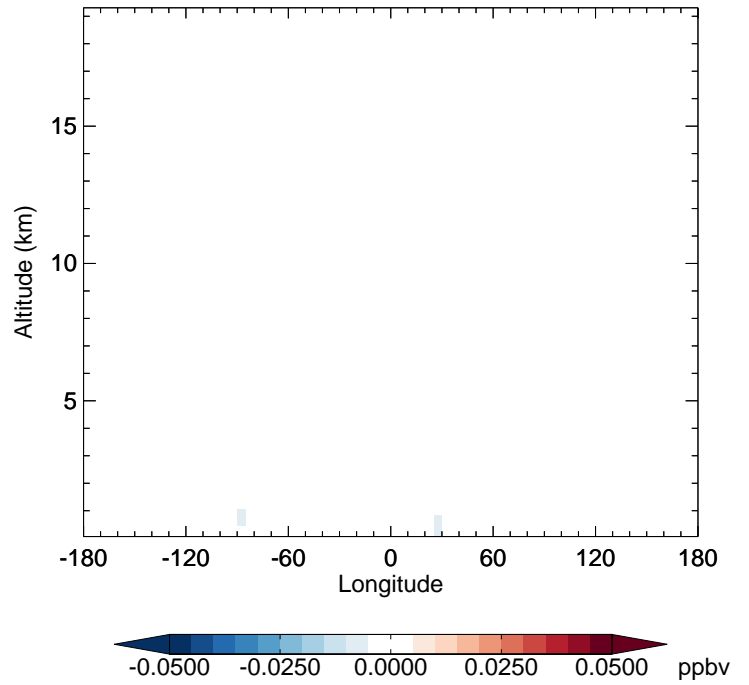
GC\_12.0.0 - v11-02f-Run1  
MACR - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
MACR - Diff along 15S for Apr



GC\_12.0.0 - v11-02e-Run1  
MACR - Diff along 42N for Apr



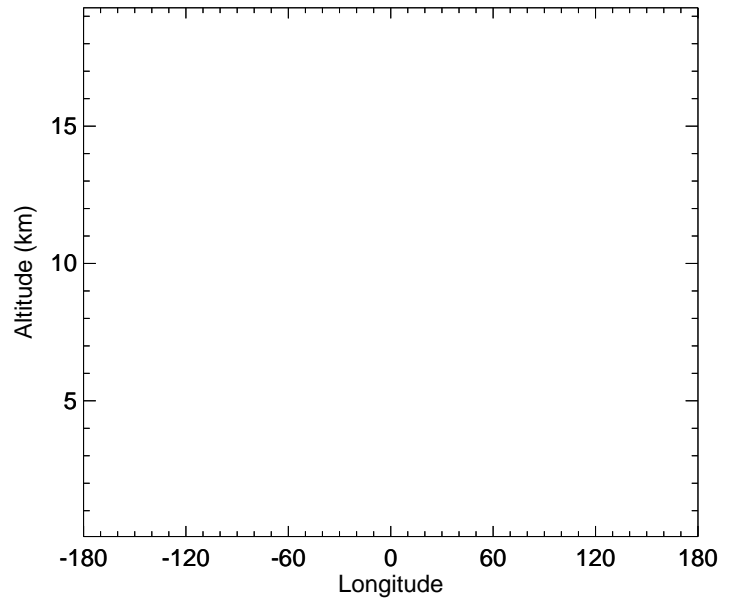
# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

GC\_12.0.0 - v11-02f-Run1  
NPMN - Diff along 15S for Apr



-1.000e-02 5.000e-03 0.000e+00 5.000e-03 1.000e-02 ppbv

GC\_12.0.0 - v11-02f-Run1  
NPMN - Diff along 42N for Apr



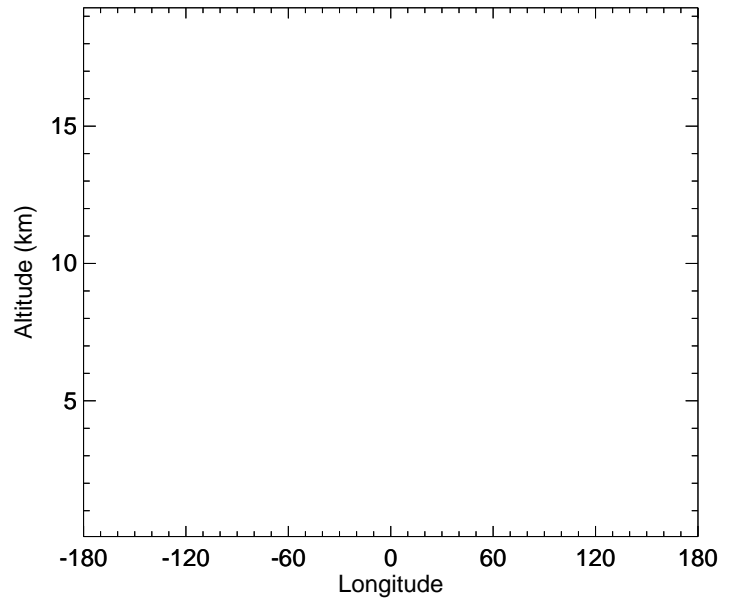
-1.000e-02 5.000e-03 0.000e+00 5.000e-03 1.000e-02 ppbv

GC\_12.0.0 - v11-02e-Run1  
NPMN - Diff along 15S for Apr



-1.000e-02 5.000e-03 0.000e+00 5.000e-03 1.000e-02 ppbv

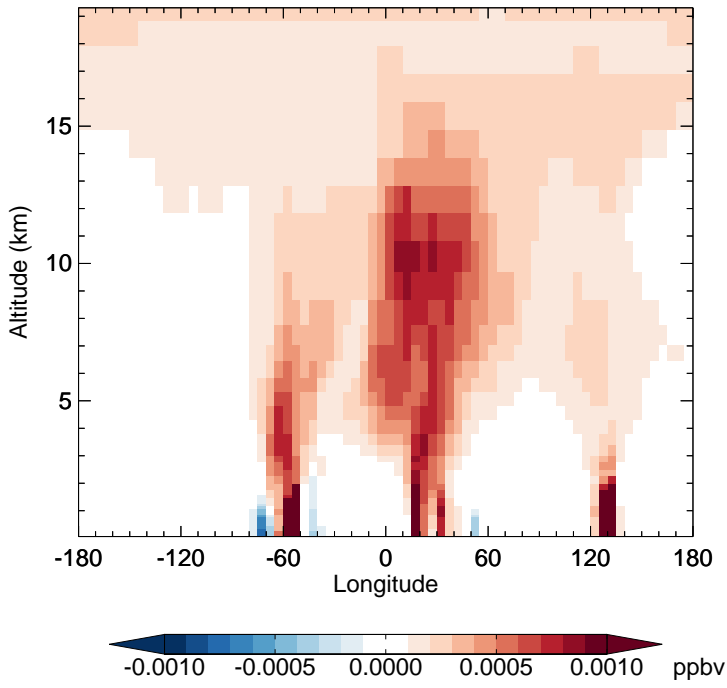
GC\_12.0.0 - v11-02e-Run1  
NPMN - Diff along 42N for Apr



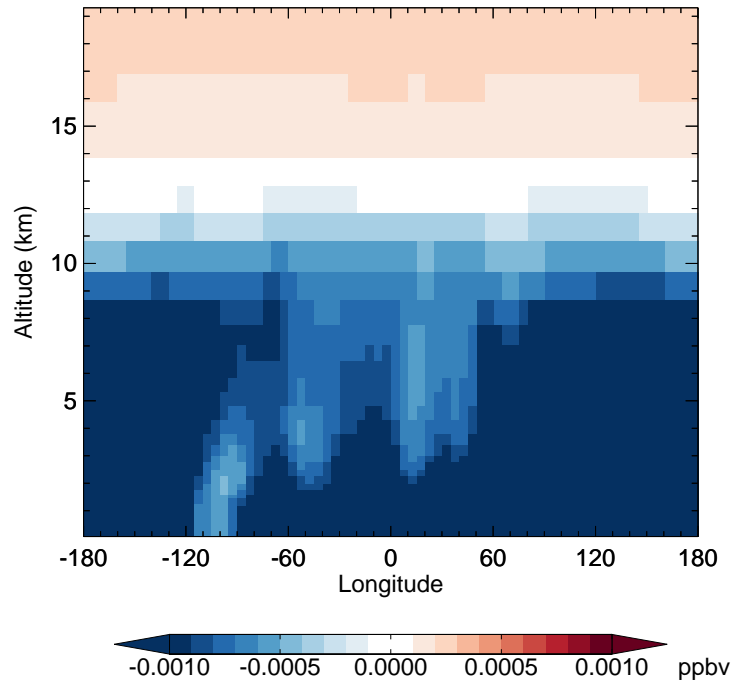
-1.000e-02 5.000e-03 0.000e+00 5.000e-03 1.000e-02 ppbv

# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

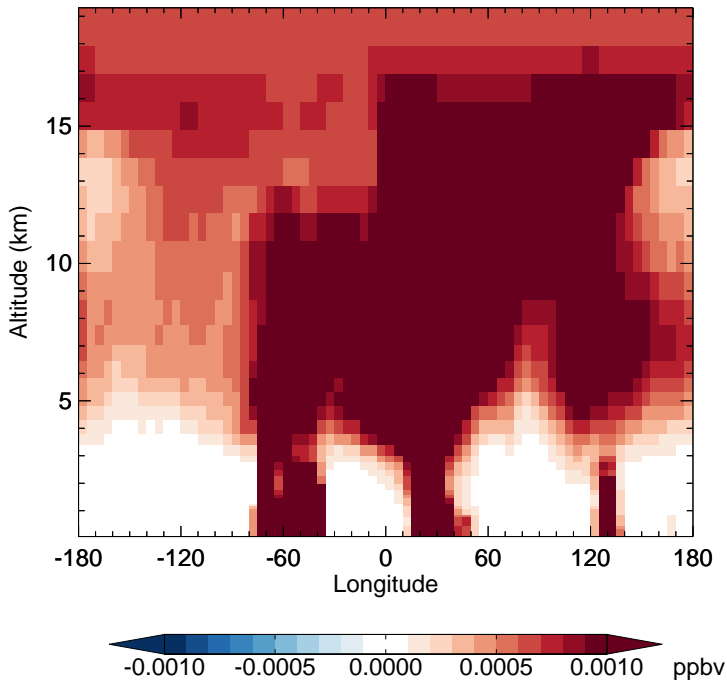
GC\_12.0.0 - v11-02f-Run1  
PPN - Diff along 15S for Apr



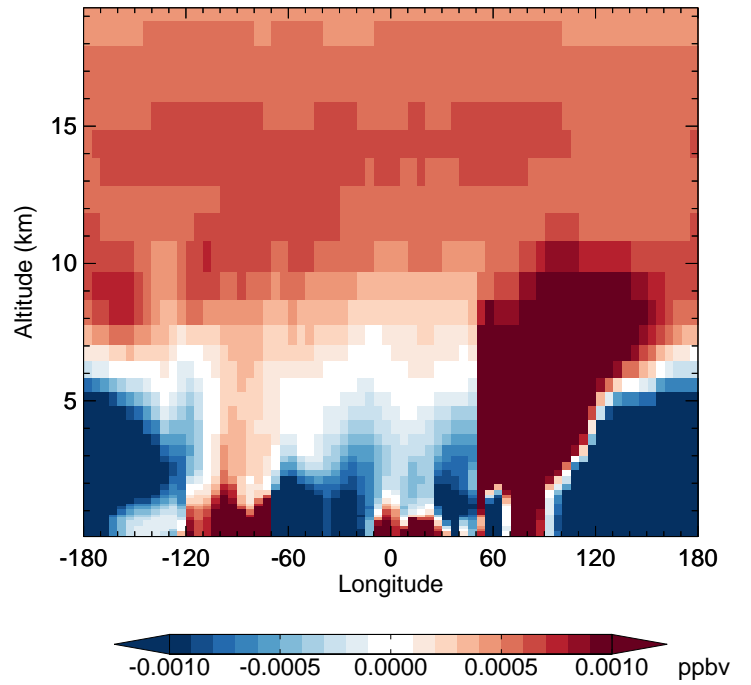
GC\_12.0.0 - v11-02f-Run1  
PPN - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
PPN - Diff along 15S for Apr



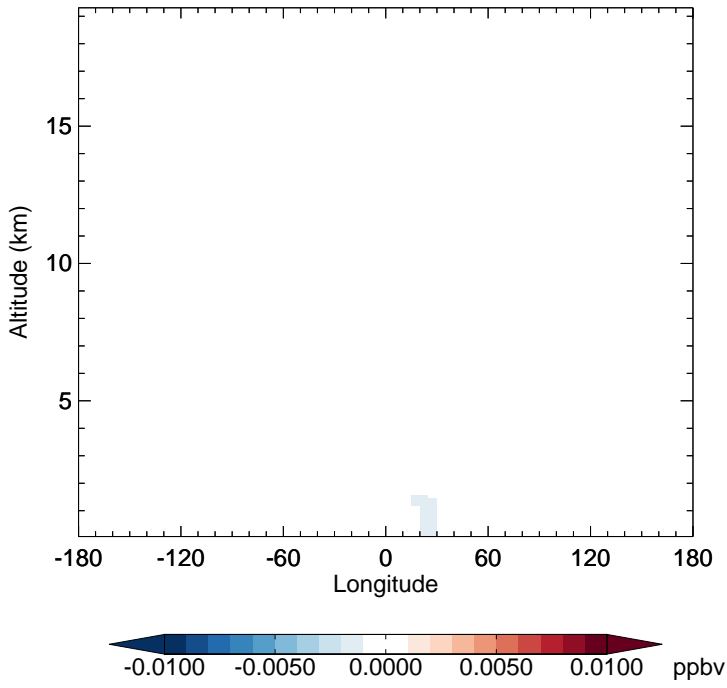
GC\_12.0.0 - v11-02e-Run1  
PPN - Diff along 42N for Apr



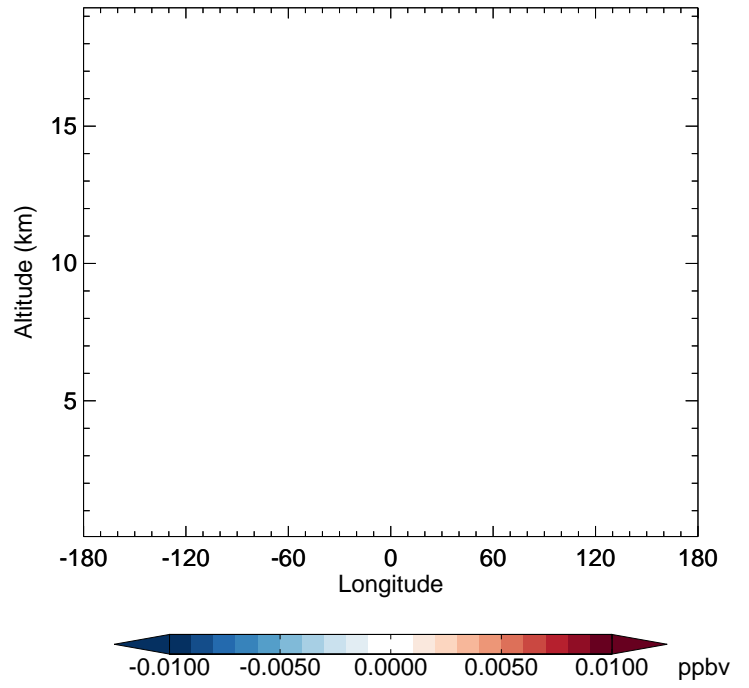


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

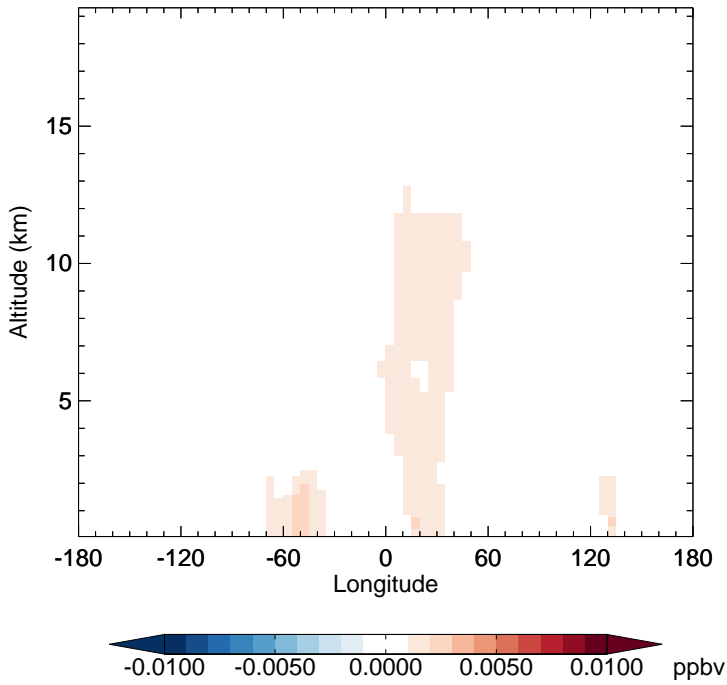
GC\_12.0.0 - v11-02f-Run1  
R4N2 - Diff along 15S for Apr



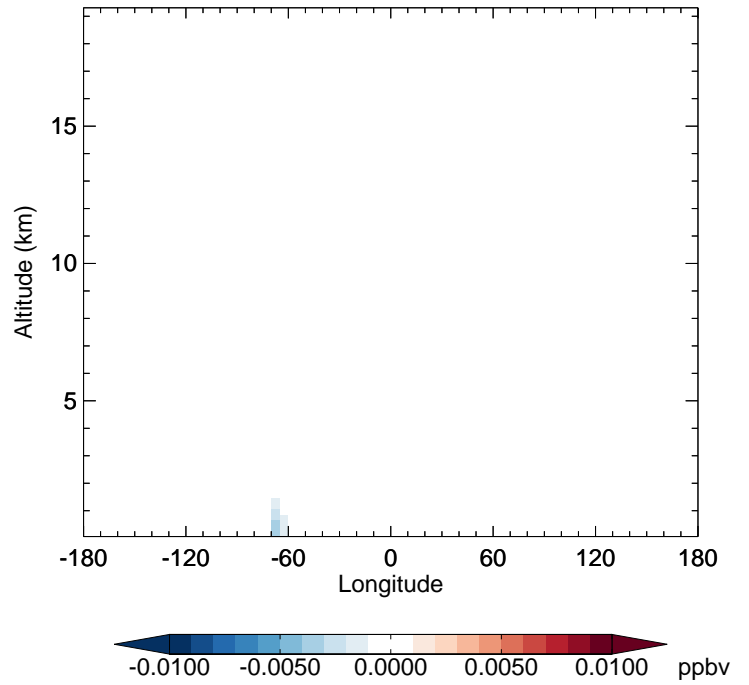
GC\_12.0.0 - v11-02f-Run1  
R4N2 - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
R4N2 - Diff along 15S for Apr

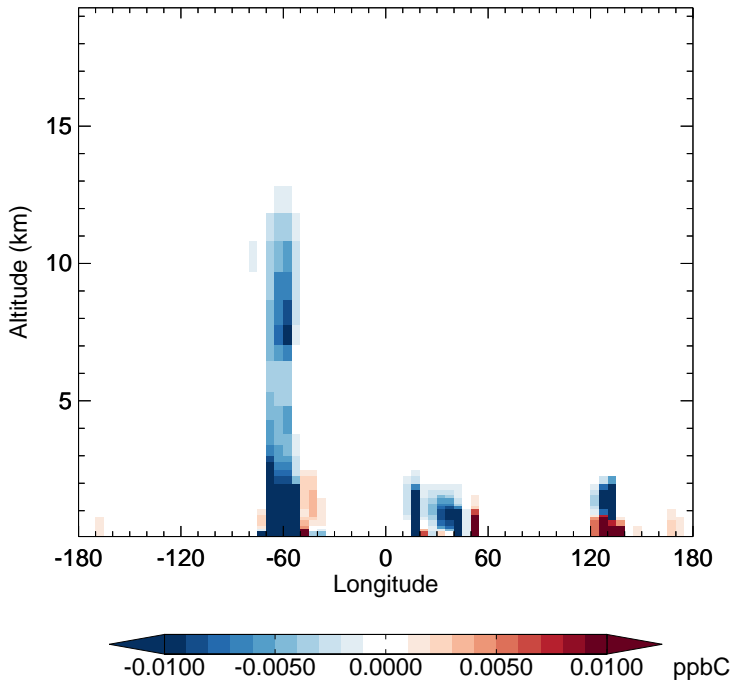


GC\_12.0.0 - v11-02e-Run1  
R4N2 - Diff along 42N for Apr

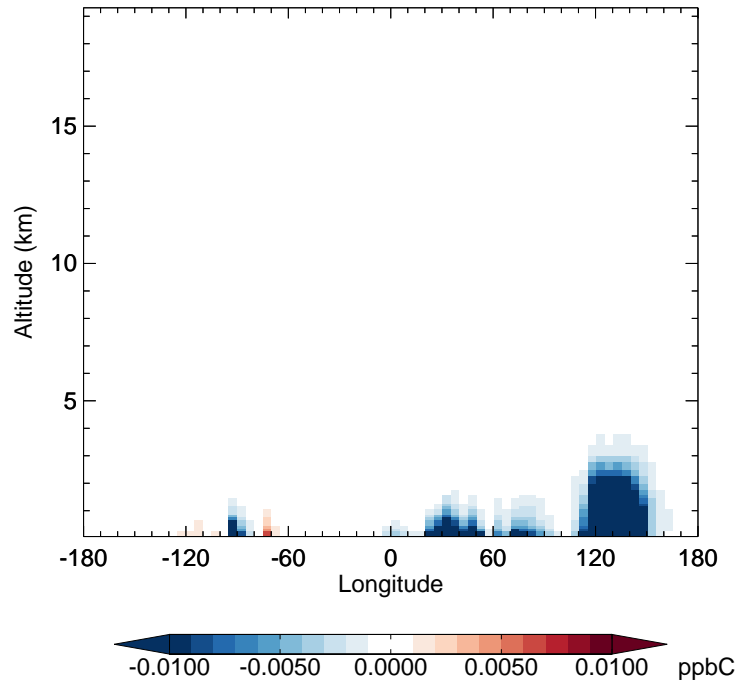


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

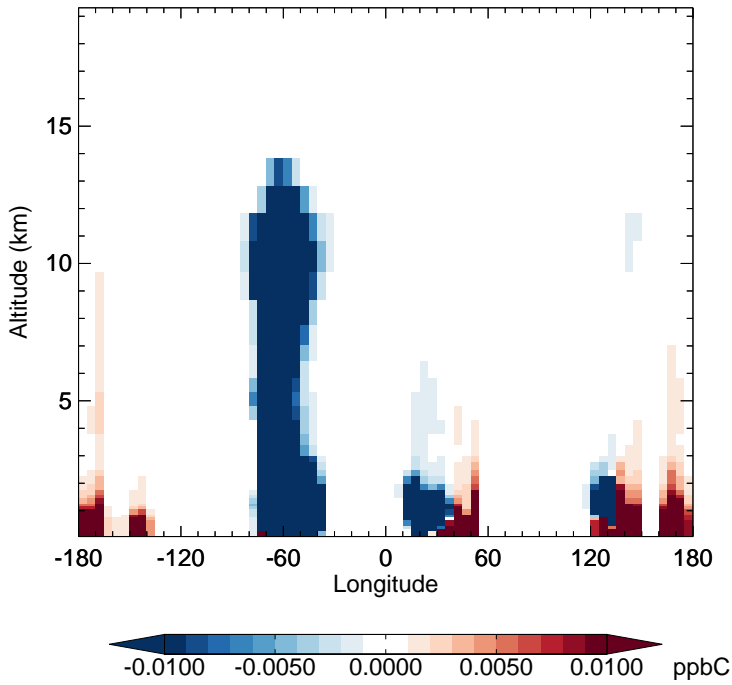
GC\_12.0.0 - v11-02f-Run1  
PRPE - Diff along 15S for Apr



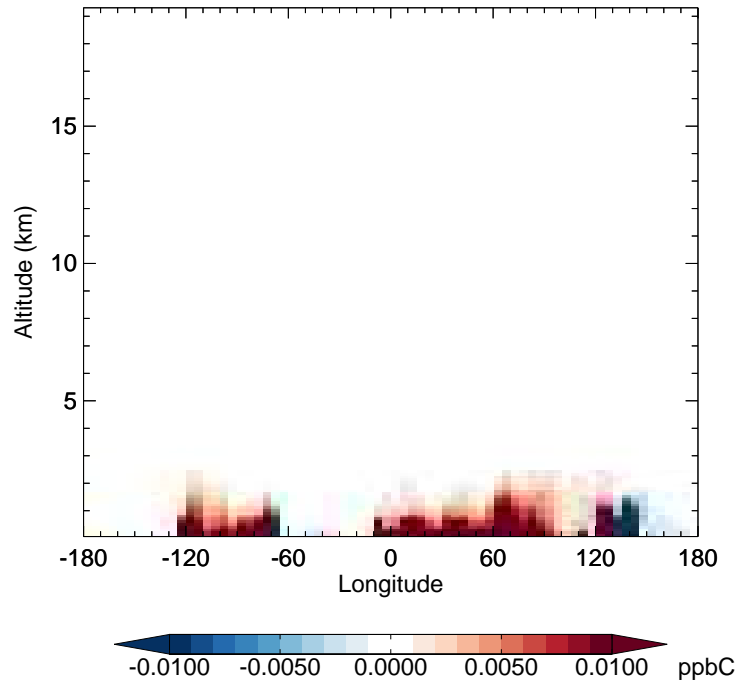
GC\_12.0.0 - v11-02f-Run1  
PRPE - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
PRPE - Diff along 15S for Apr

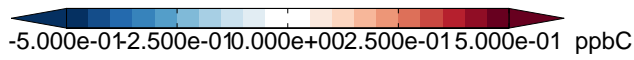
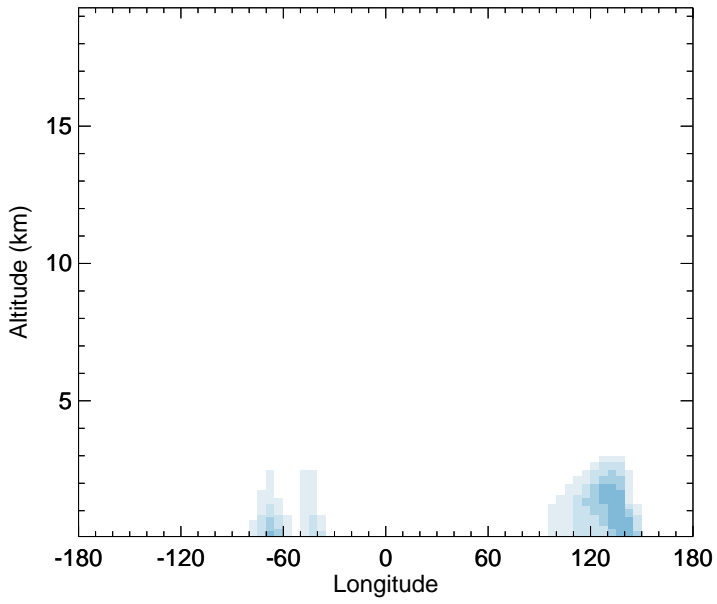


GC\_12.0.0 - v11-02e-Run1  
PRPE - Diff along 42N for Apr

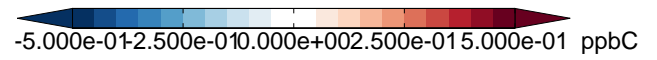
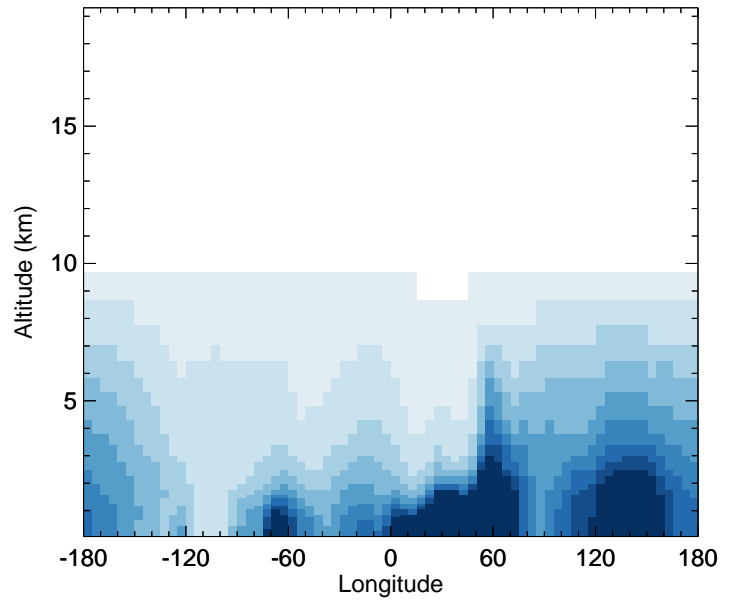


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

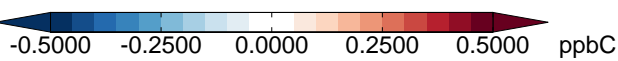
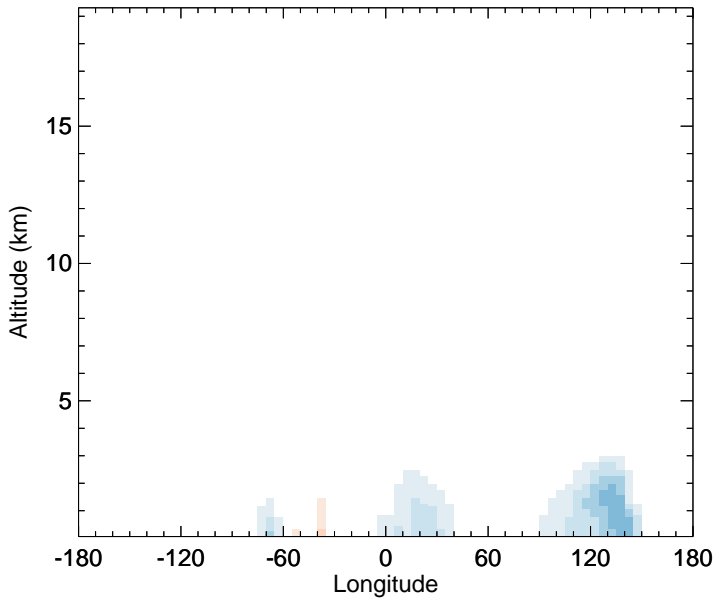
GC\_12.0.0 - v11-02f-Run1  
C3H8 - Diff along 15S for Apr



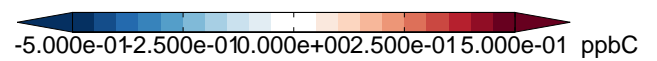
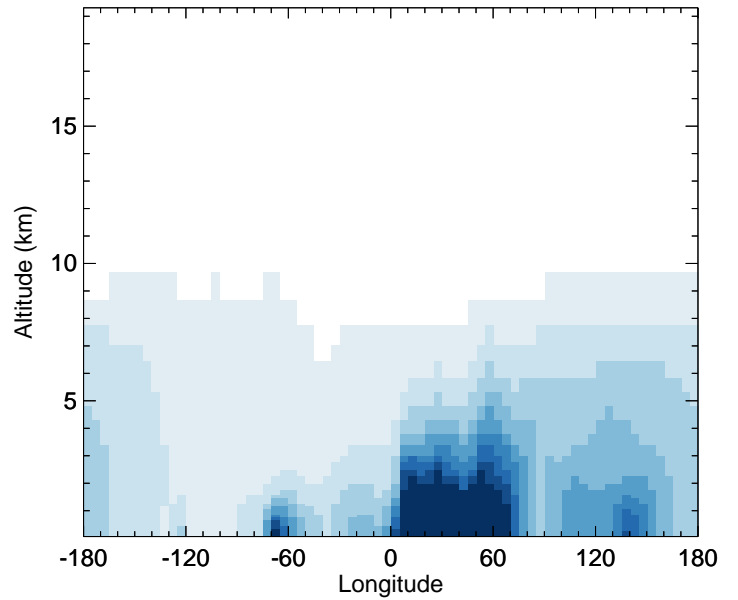
GC\_12.0.0 - v11-02f-Run1  
C3H8 - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
C3H8 - Diff along 15S for Apr

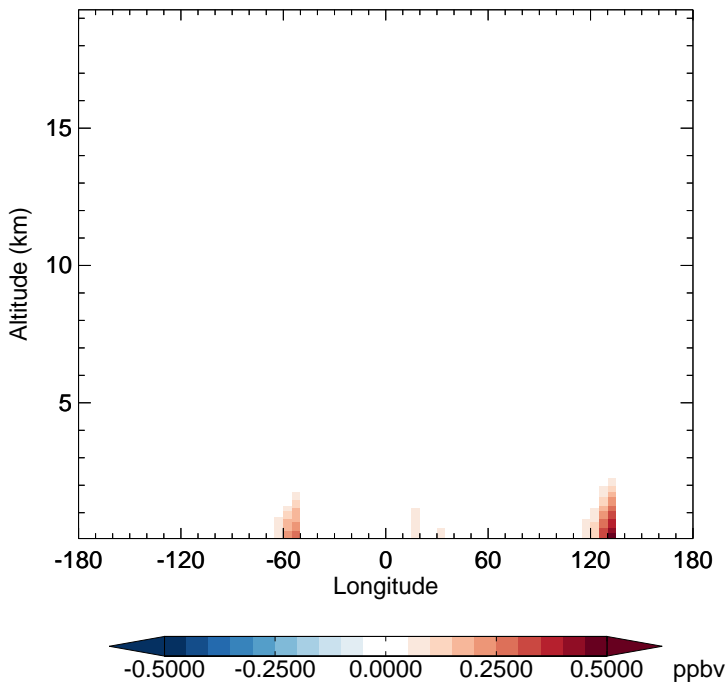


GC\_12.0.0 - v11-02e-Run1  
C3H8 - Diff along 42N for Apr

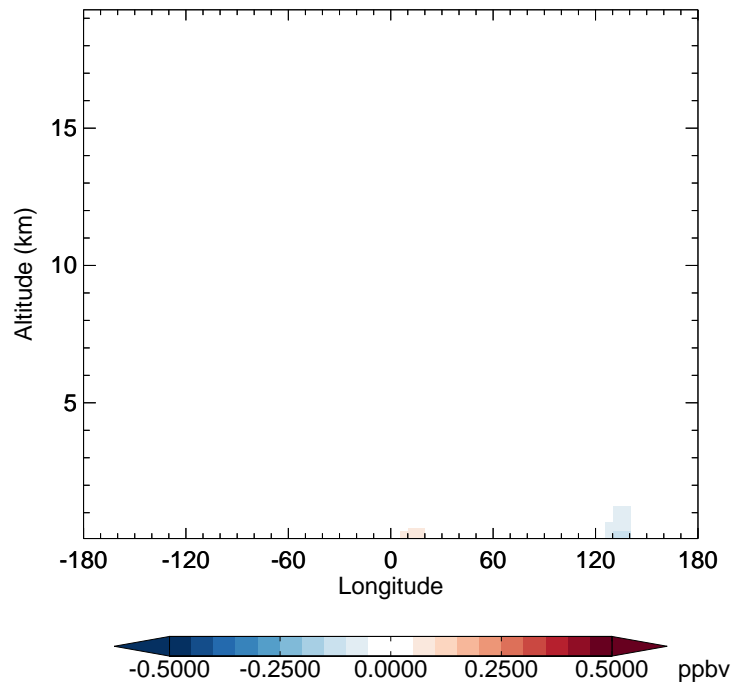


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

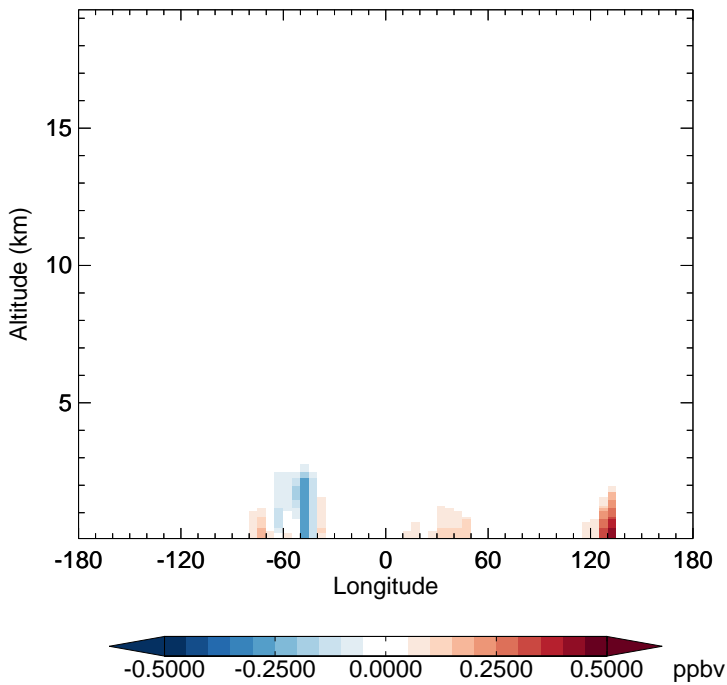
GC\_12.0.0 - v11-02f-Run1  
CH2O - Diff along 15S for Apr



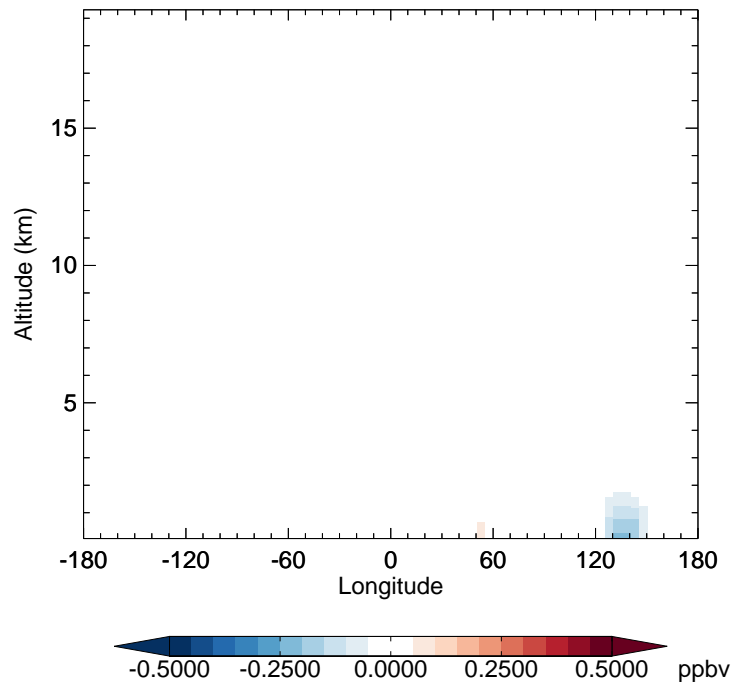
GC\_12.0.0 - v11-02f-Run1  
CH2O - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
CH2O - Diff along 15S for Apr

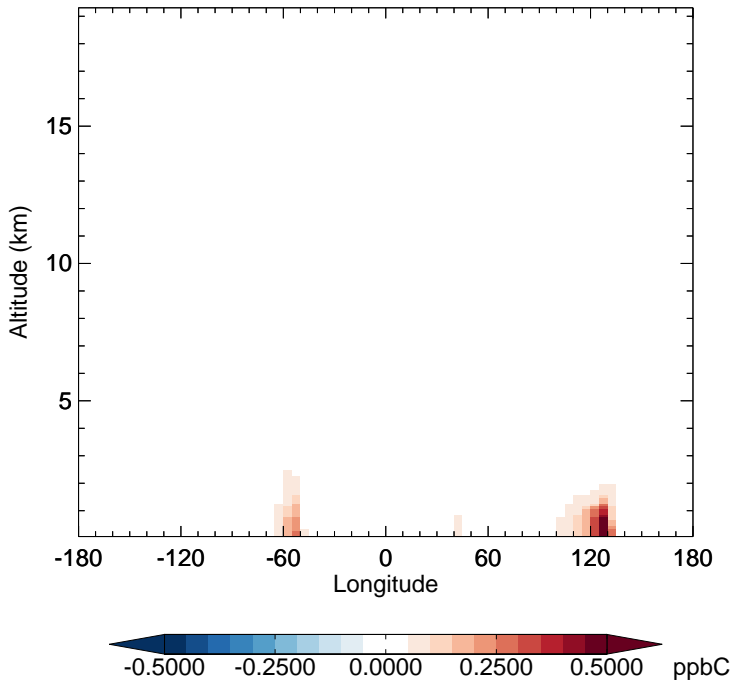


GC\_12.0.0 - v11-02e-Run1  
CH2O - Diff along 42N for Apr

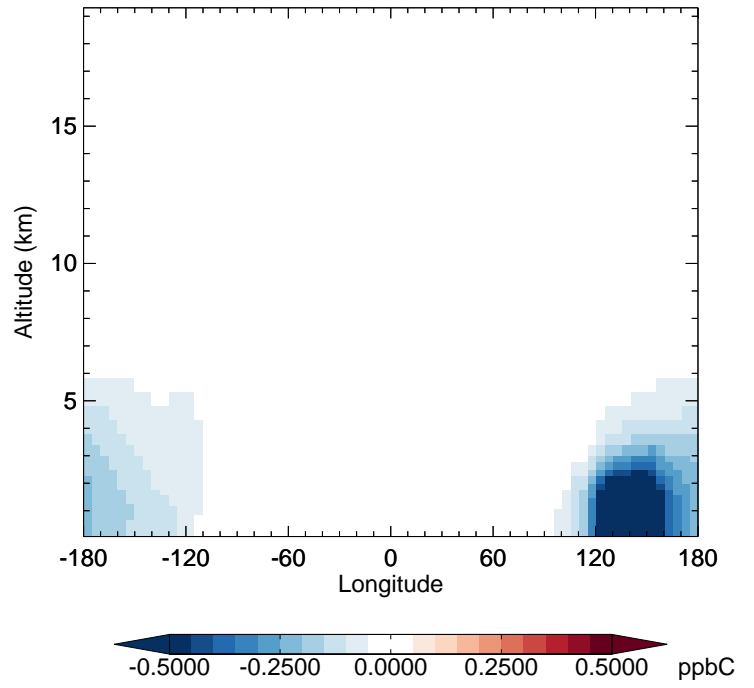


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

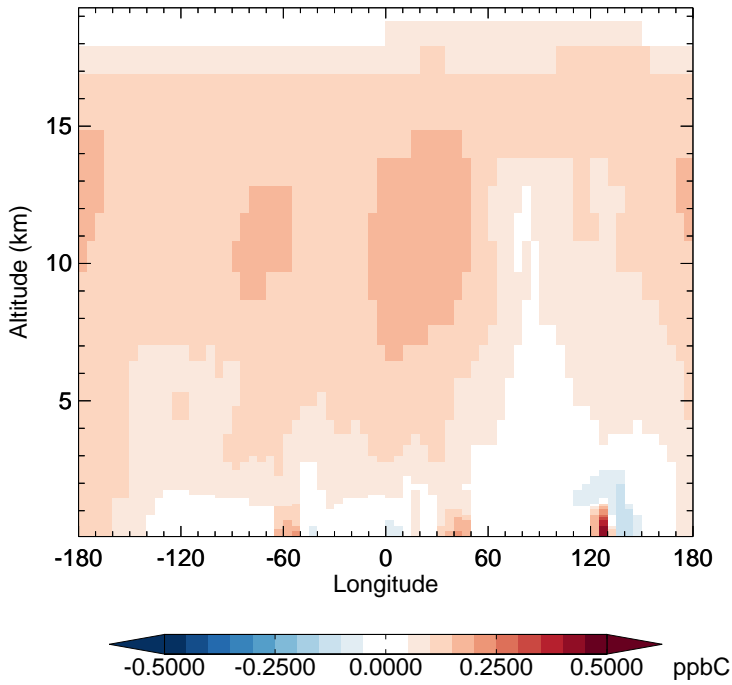
GC\_12.0.0 - v11-02f-Run1  
C2H6 - Diff along 15S for Apr



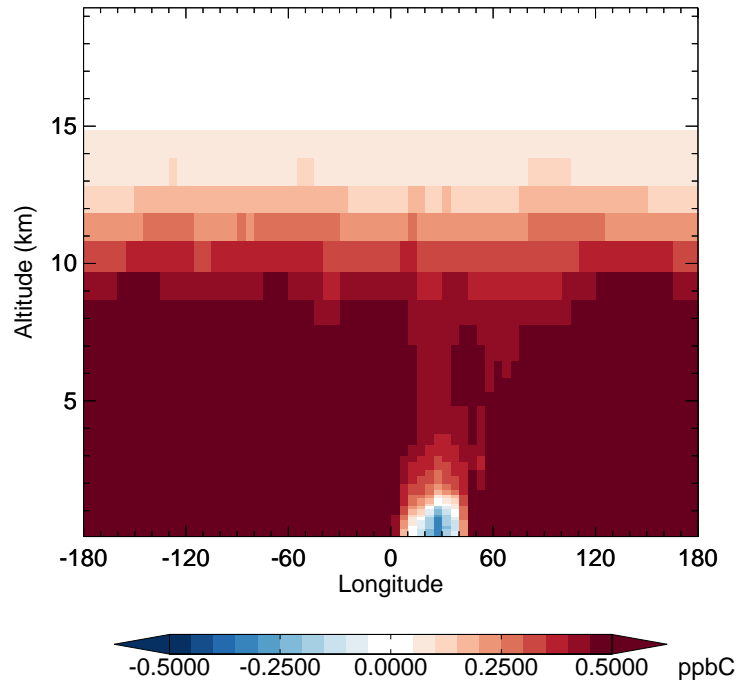
GC\_12.0.0 - v11-02f-Run1  
C2H6 - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
C2H6 - Diff along 15S for Apr

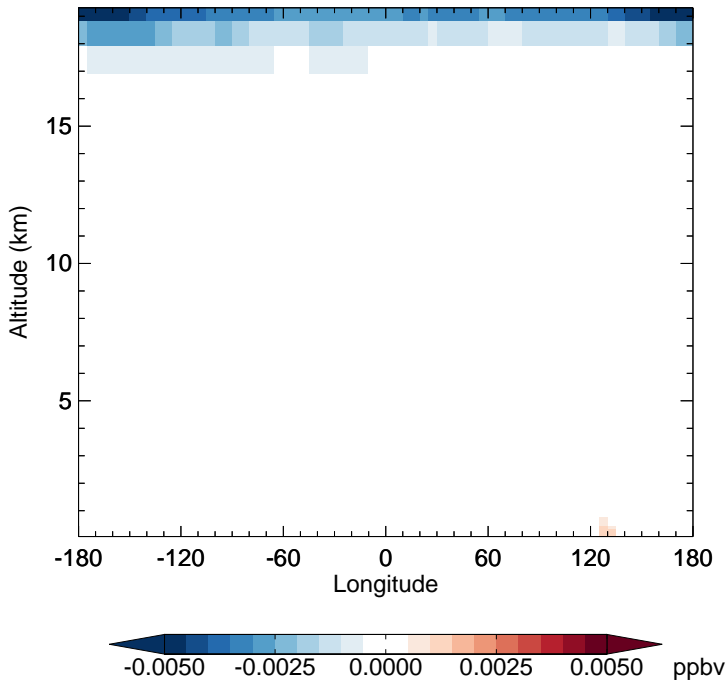


GC\_12.0.0 - v11-02e-Run1  
C2H6 - Diff along 42N for Apr

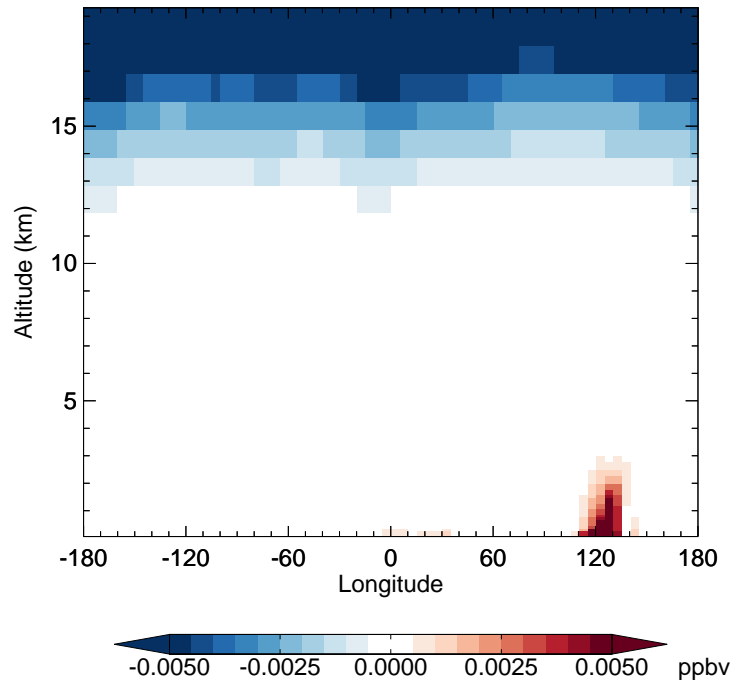


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

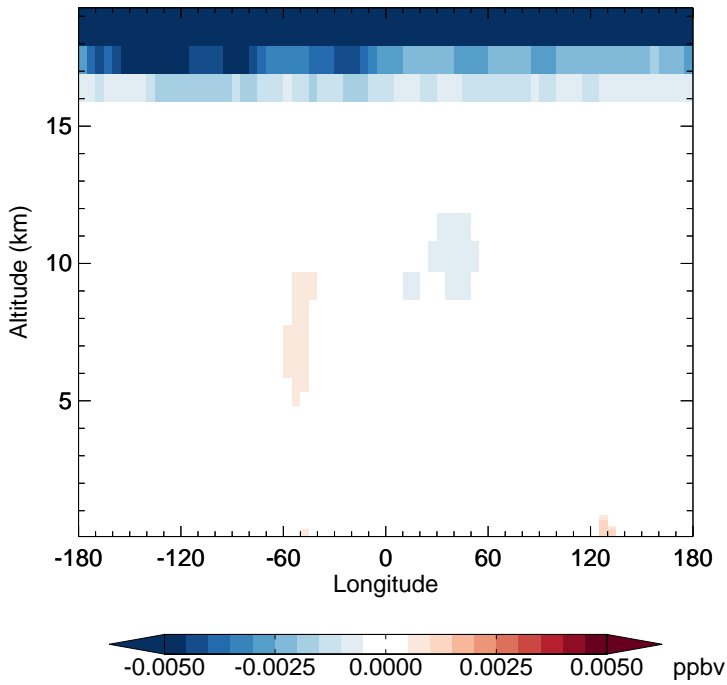
GC\_12.0.0 - v11-02f-Run1  
N2O5 - Diff along 15S for Apr



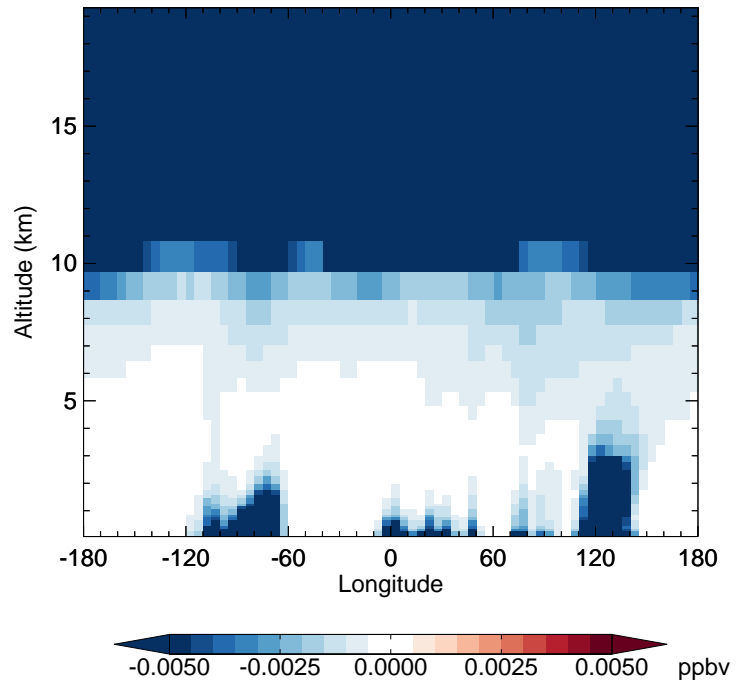
GC\_12.0.0 - v11-02f-Run1  
N2O5 - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
N2O5 - Diff along 15S for Apr

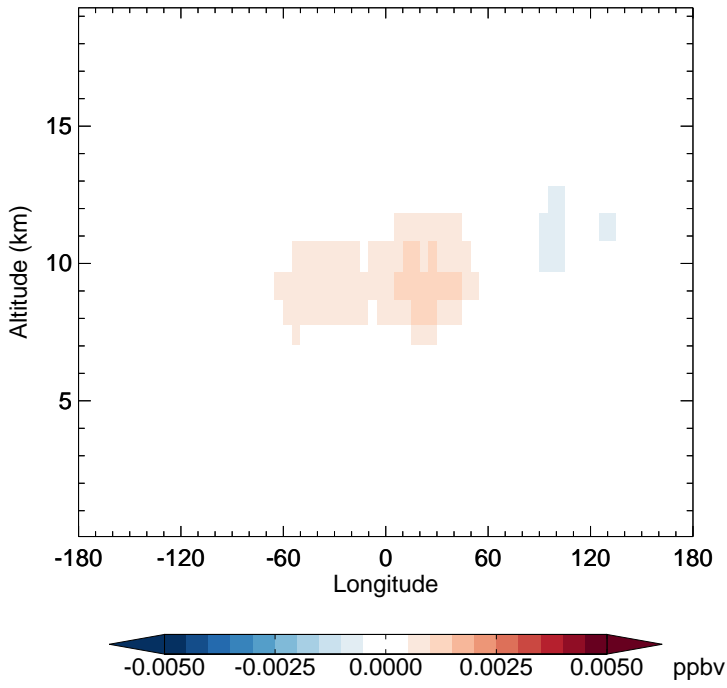


GC\_12.0.0 - v11-02e-Run1  
N2O5 - Diff along 42N for Apr

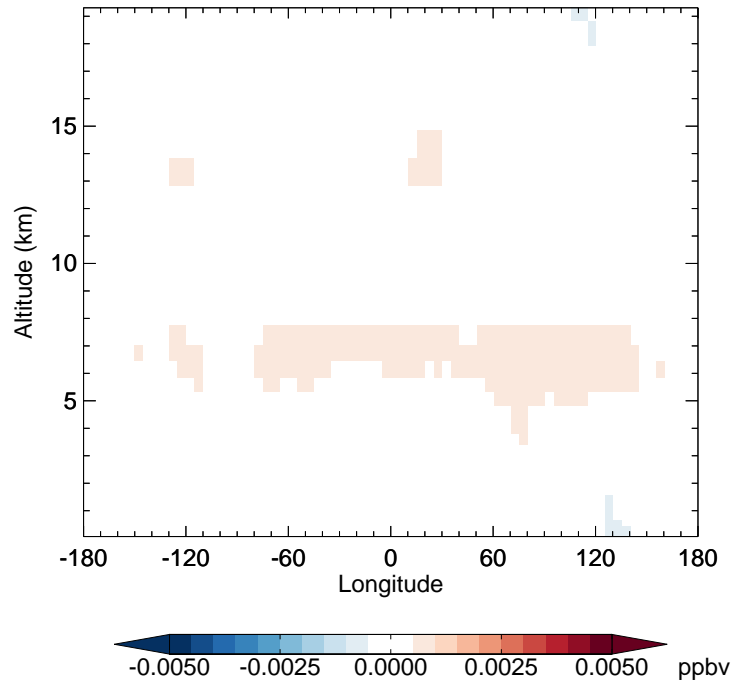


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

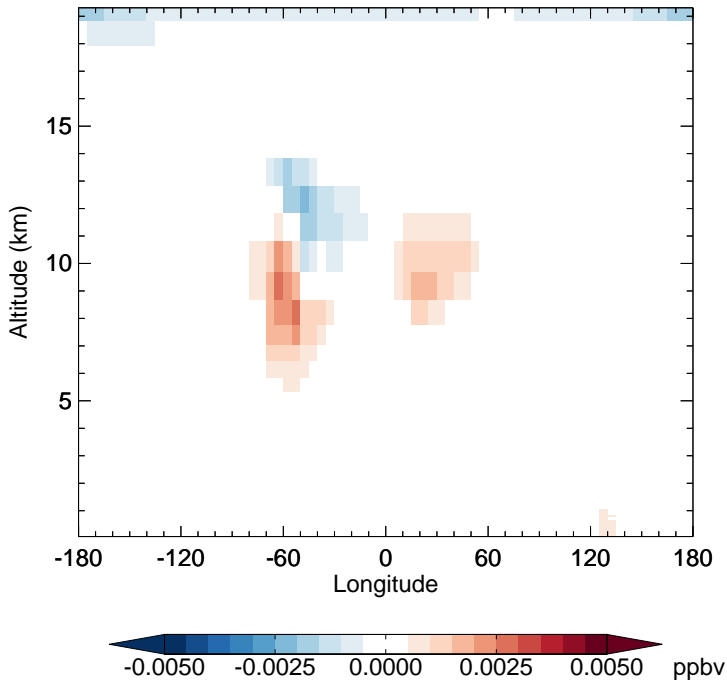
GC\_12.0.0 - v11-02f-Run1  
HNO4 - Diff along 15S for Apr



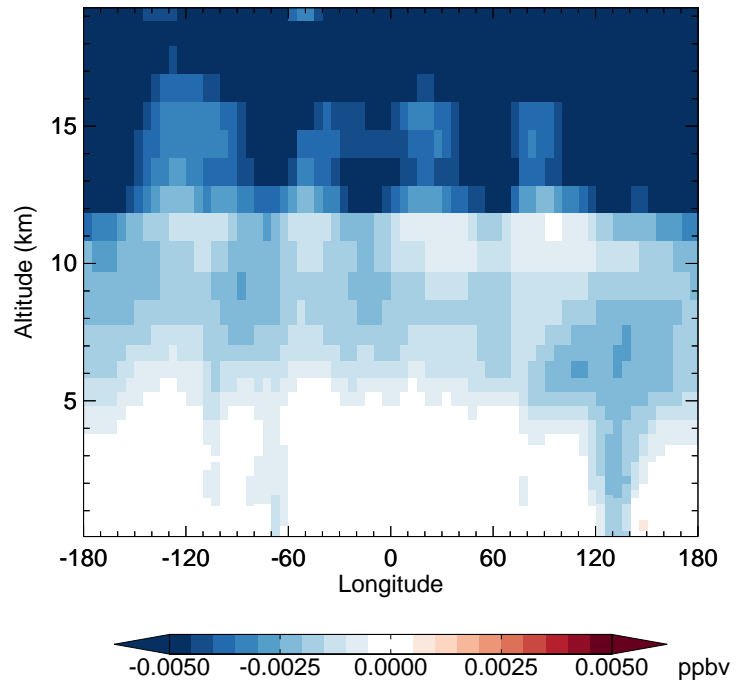
GC\_12.0.0 - v11-02f-Run1  
HNO4 - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
HNO4 - Diff along 15S for Apr

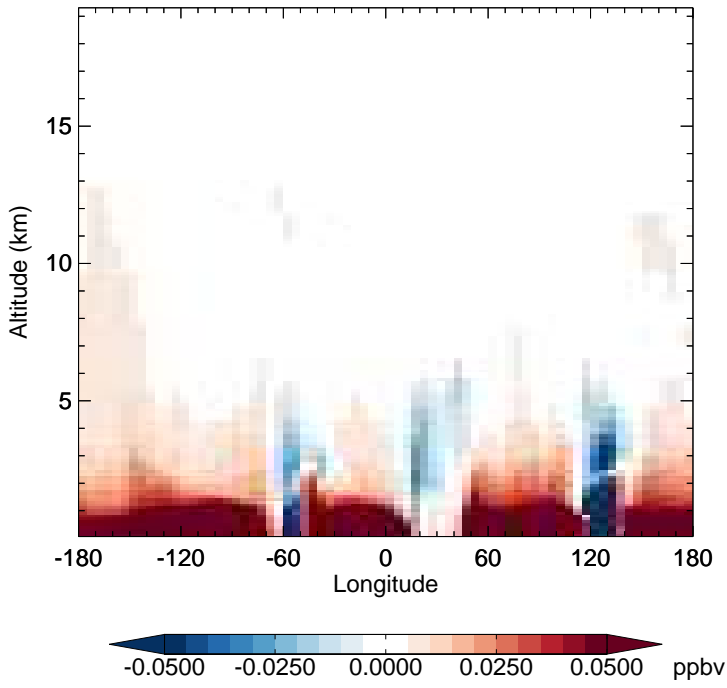


GC\_12.0.0 - v11-02e-Run1  
HNO4 - Diff along 42N for Apr

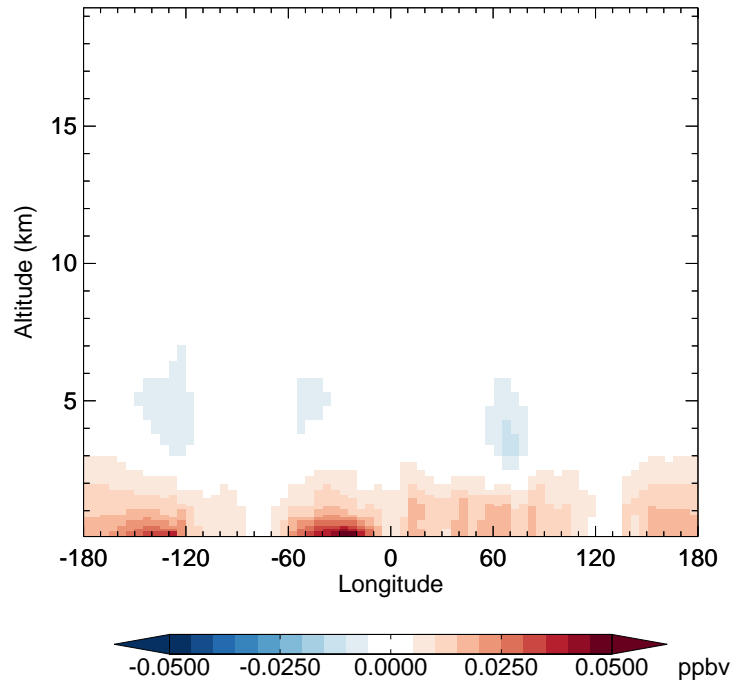


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

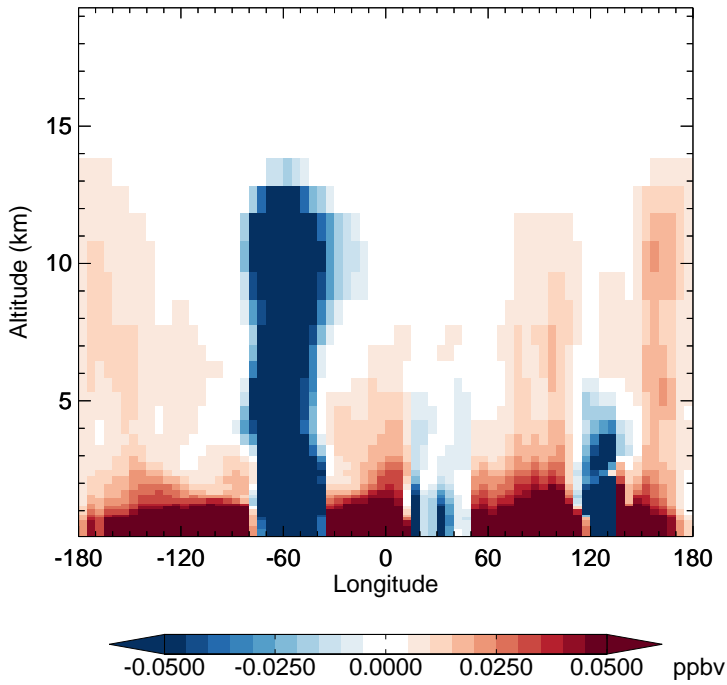
GC\_12.0.0 - v11-02f-Run1  
MP - Diff along 15S for Apr



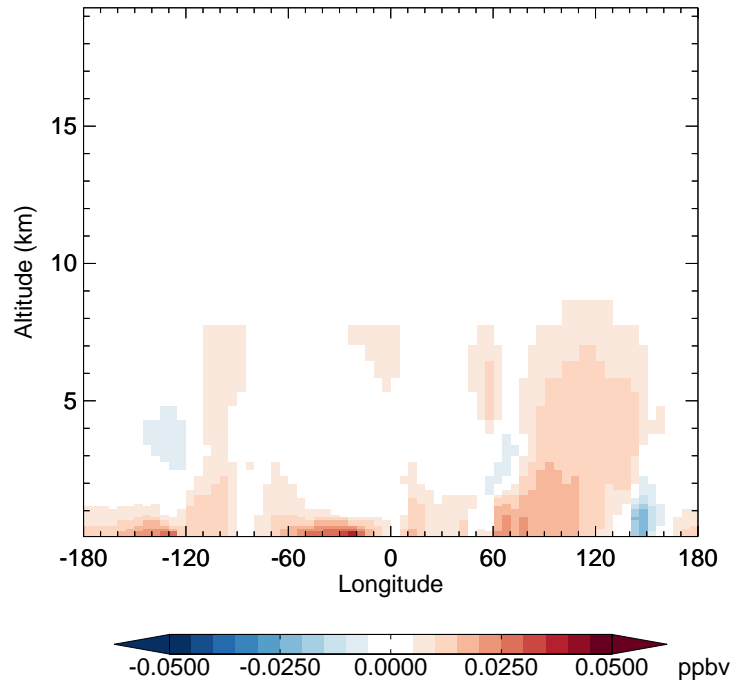
GC\_12.0.0 - v11-02f-Run1  
MP - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
MP - Diff along 15S for Apr



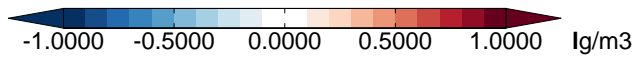
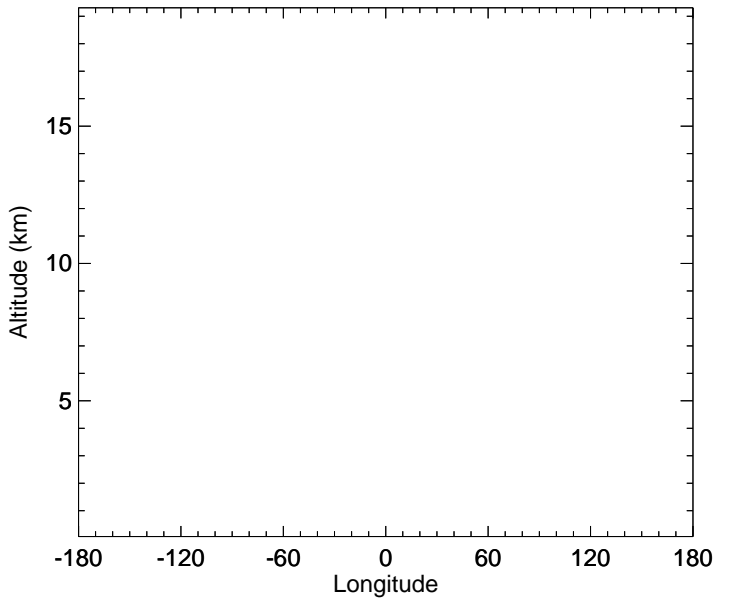
GC\_12.0.0 - v11-02e-Run1  
MP - Diff along 42N for Apr



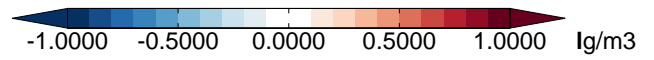
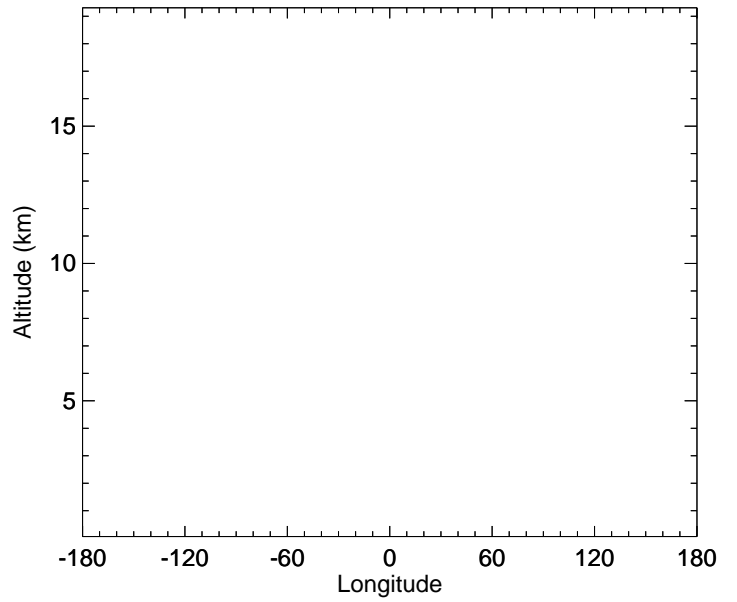


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

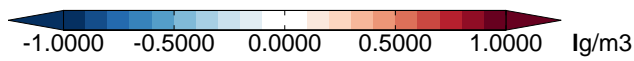
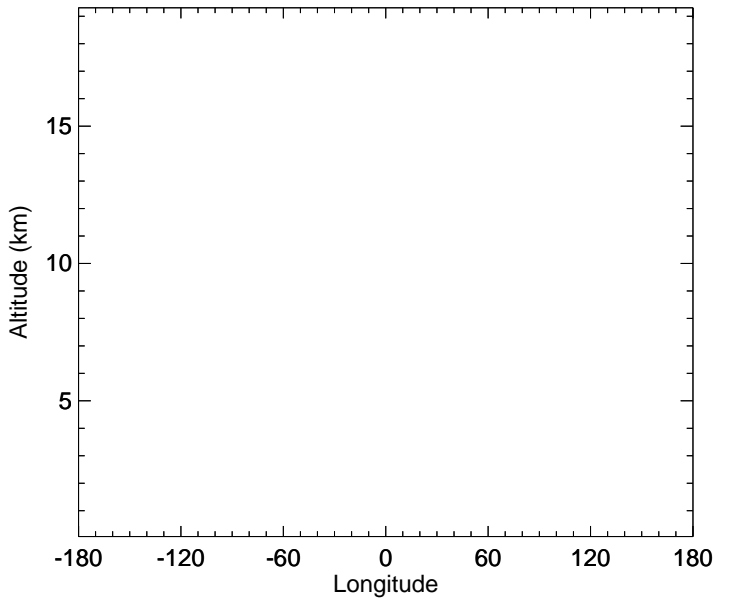
GC\_12.0.0 - v11-02f-Run1  
DMS - Diff along 15S for Apr



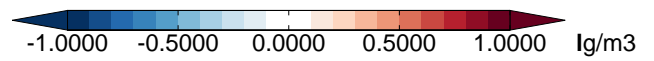
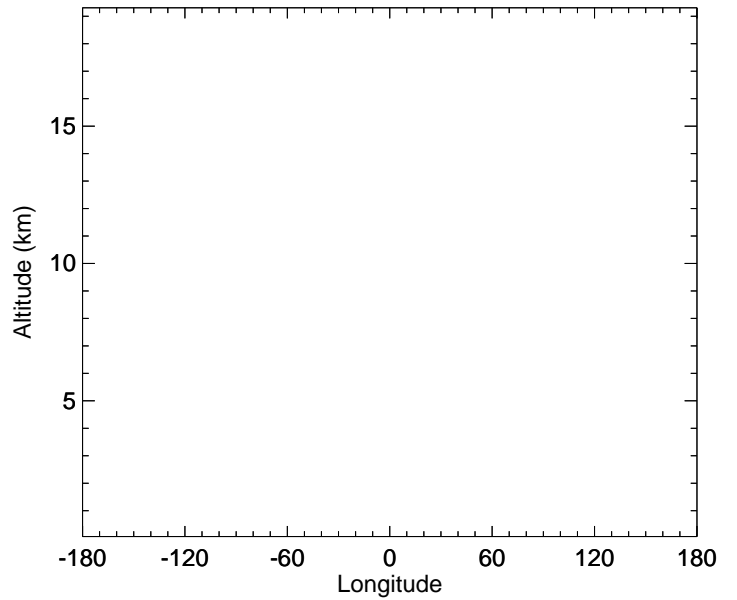
GC\_12.0.0 - v11-02f-Run1  
DMS - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
DMS - Diff along 15S for Apr

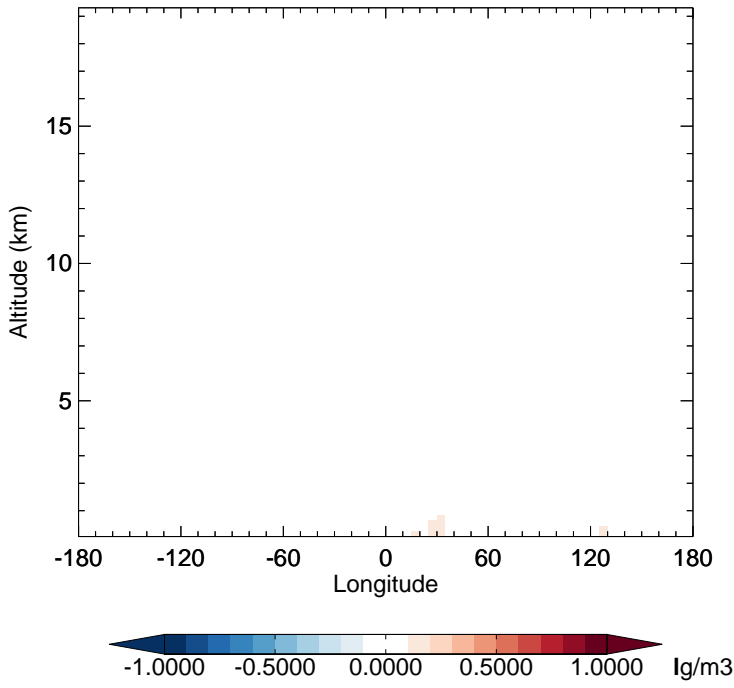


GC\_12.0.0 - v11-02e-Run1  
DMS - Diff along 42N for Apr

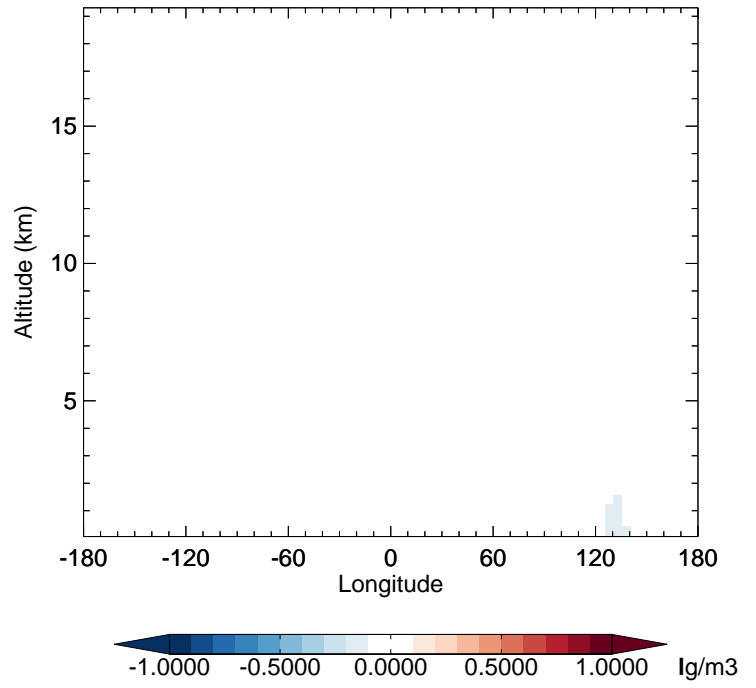


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

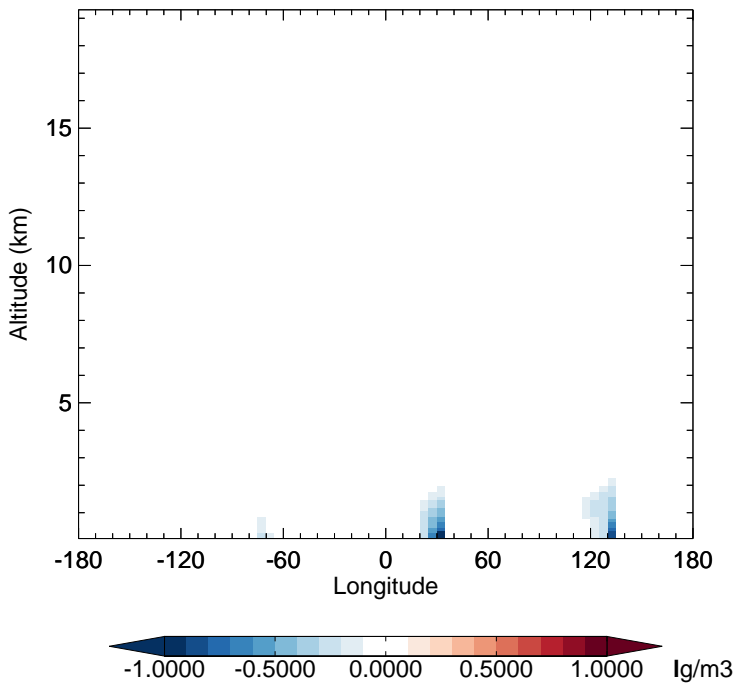
GC\_12.0.0 - v11-02f-Run1  
SO<sub>2</sub> - Diff along 15S for Apr



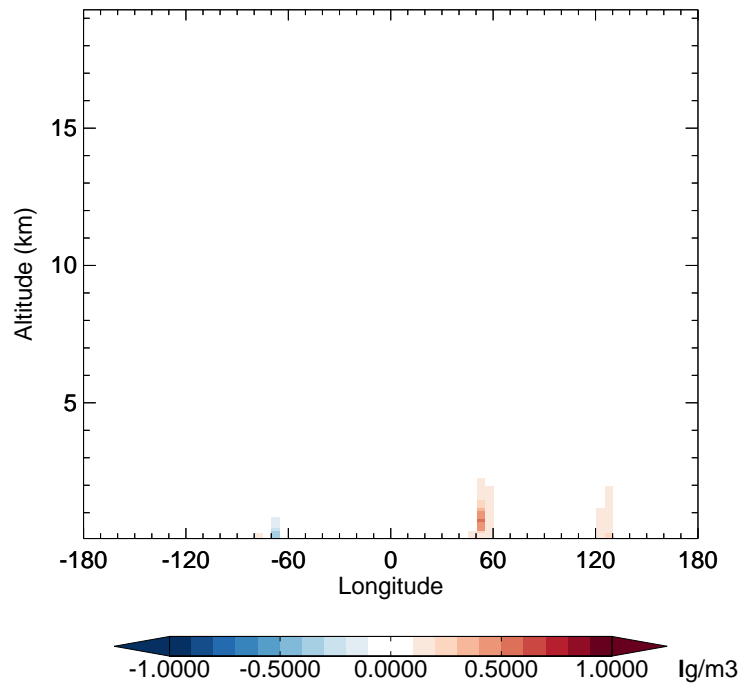
GC\_12.0.0 - v11-02f-Run1  
SO<sub>2</sub> - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
SO<sub>2</sub> - Diff along 15S for Apr

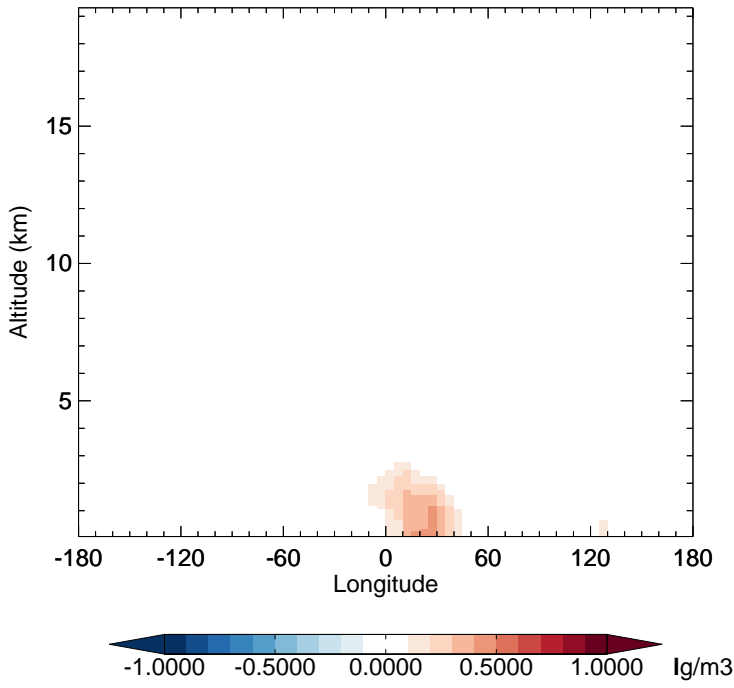


GC\_12.0.0 - v11-02e-Run1  
SO<sub>2</sub> - Diff along 42N for Apr

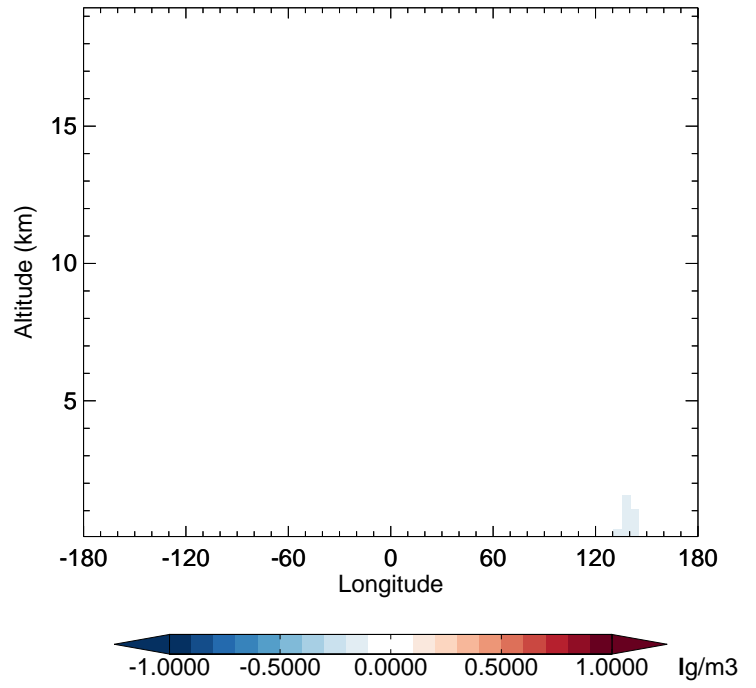


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

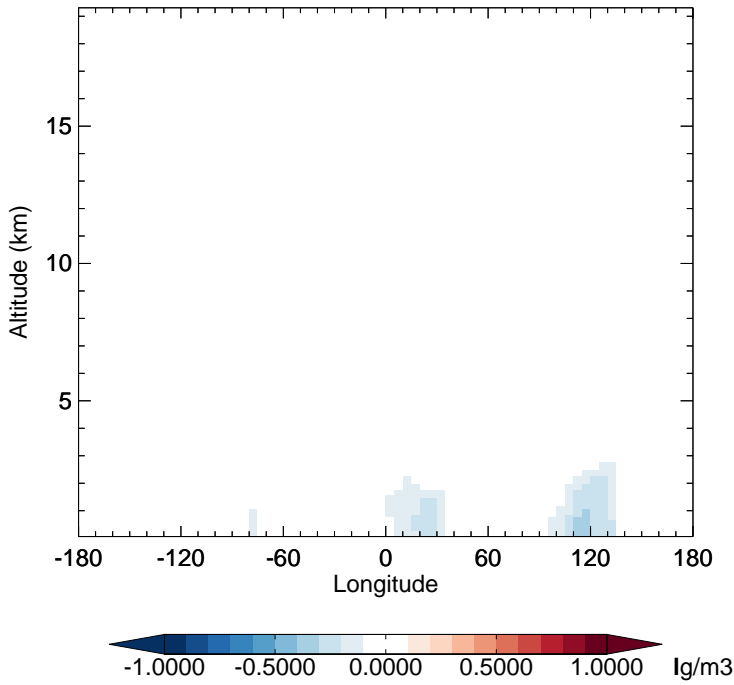
GC\_12.0.0 - v11-02f-Run1  
SO4 - Diff along 15S for Apr



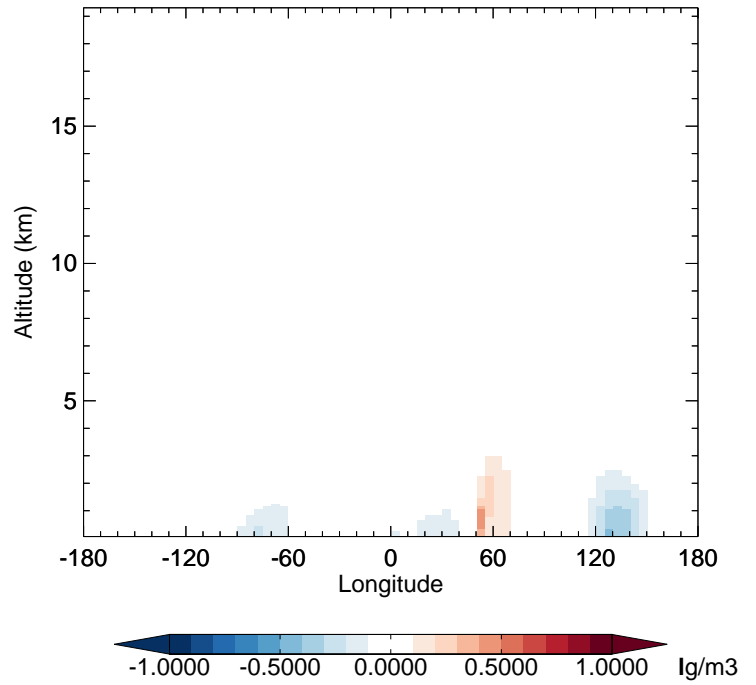
GC\_12.0.0 - v11-02f-Run1  
SO4 - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
SO4 - Diff along 15S for Apr

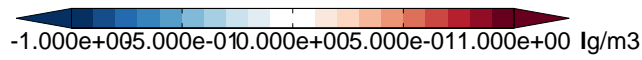


GC\_12.0.0 - v11-02e-Run1  
SO4 - Diff along 42N for Apr

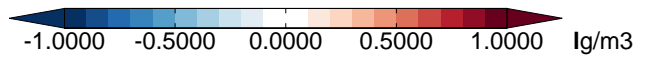
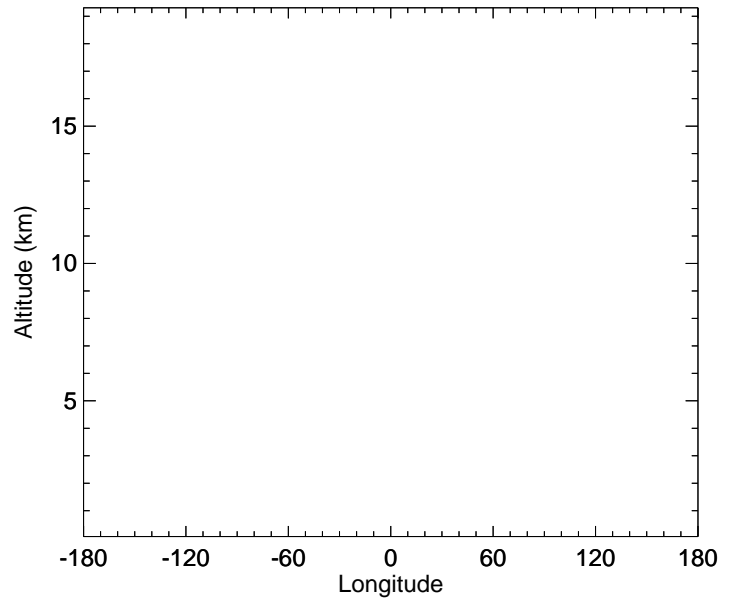


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

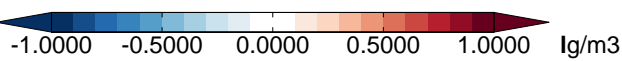
GC\_12.0.0 - v11-02f-Run1  
SO4s - Diff along 15S for Apr



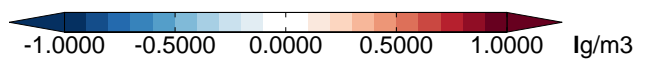
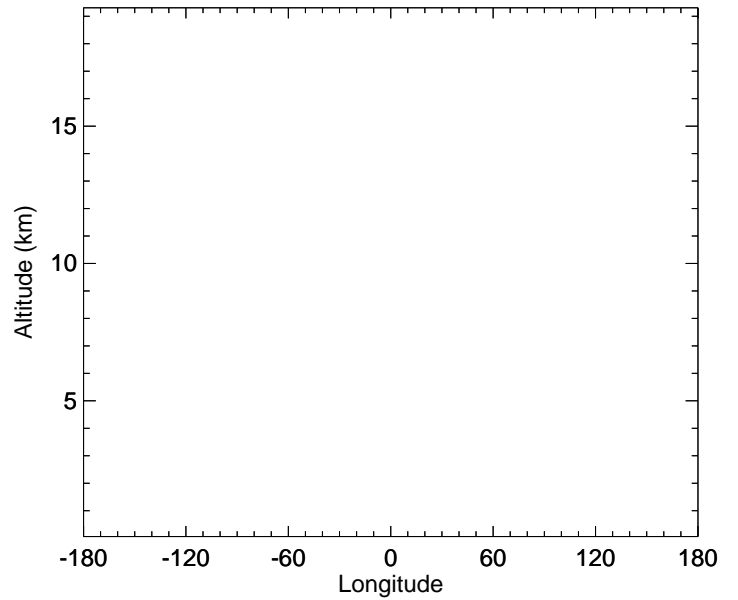
GC\_12.0.0 - v11-02f-Run1  
SO4s - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
SO4s - Diff along 15S for Apr

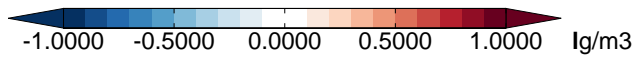
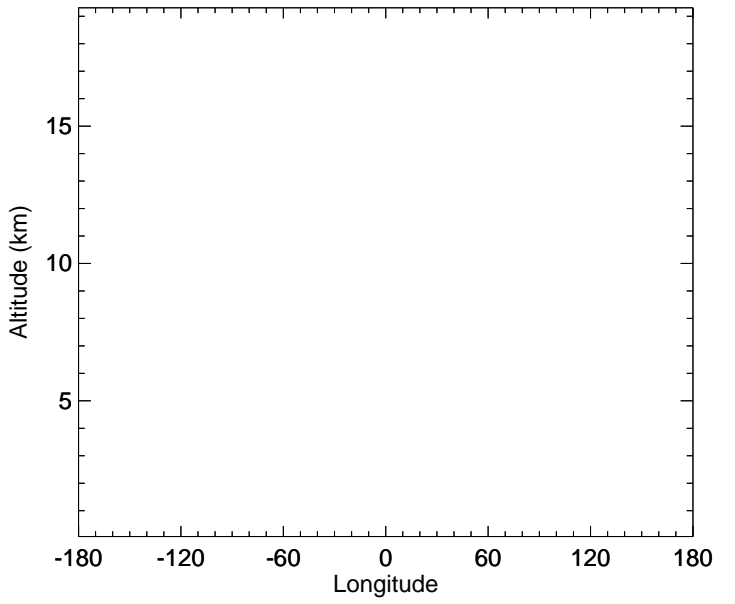


GC\_12.0.0 - v11-02e-Run1  
SO4s - Diff along 42N for Apr

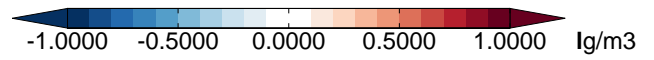
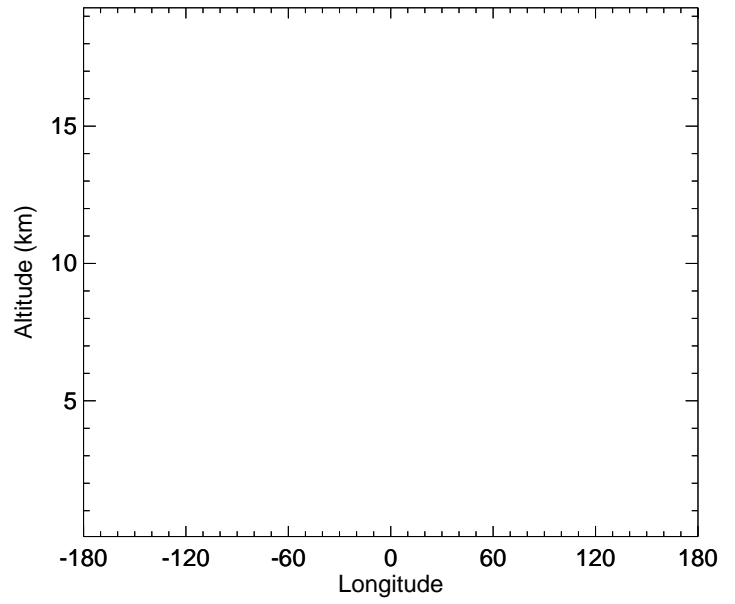


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

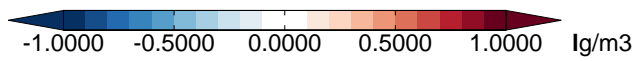
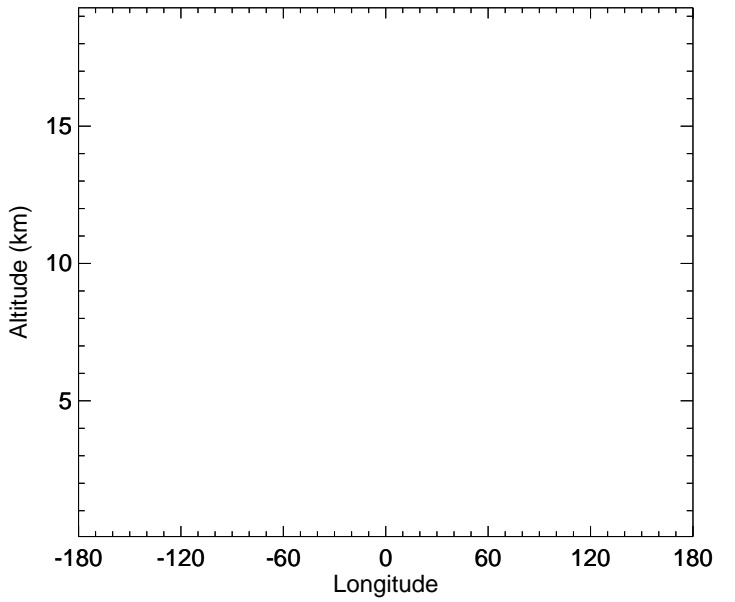
GC\_12.0.0 - v11-02f-Run1  
MSA - Diff along 15S for Apr



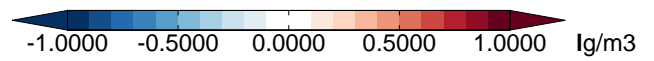
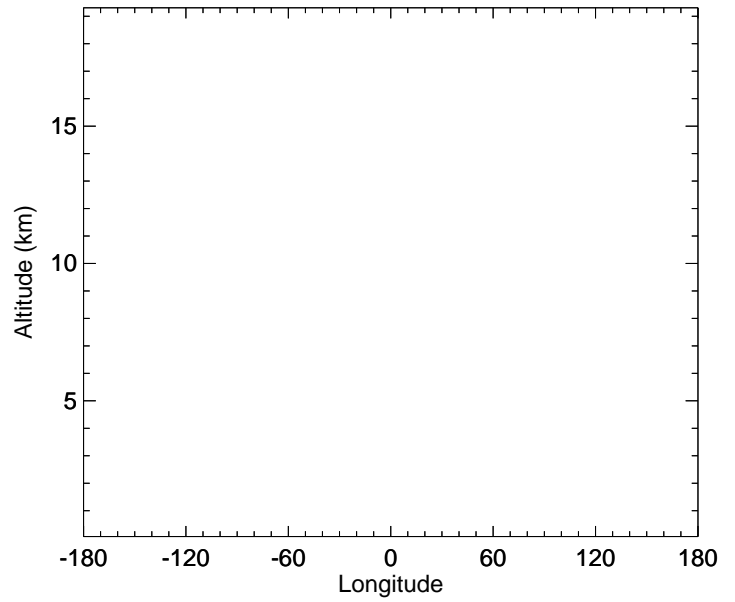
GC\_12.0.0 - v11-02f-Run1  
MSA - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
MSA - Diff along 15S for Apr

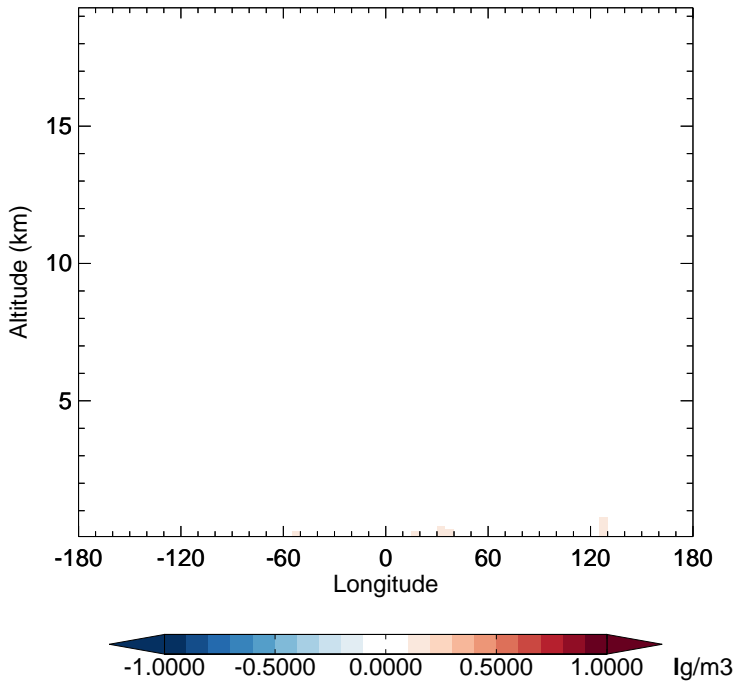


GC\_12.0.0 - v11-02e-Run1  
MSA - Diff along 42N for Apr

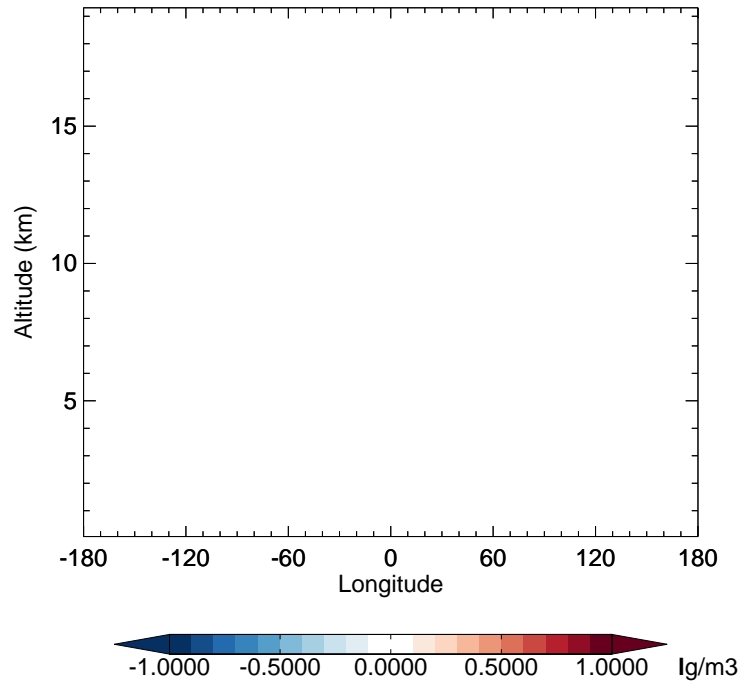


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

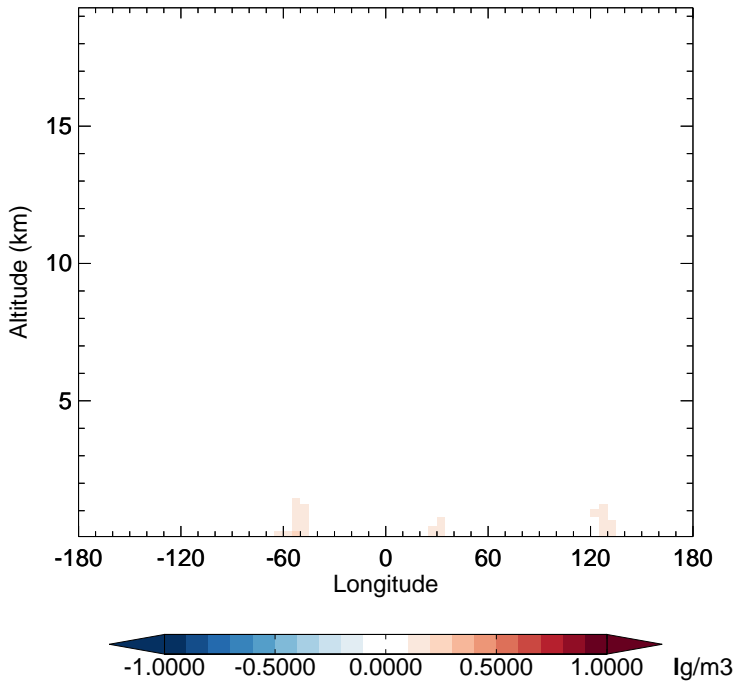
GC\_12.0.0 - v11-02f-Run1  
NH3 - Diff along 15S for Apr



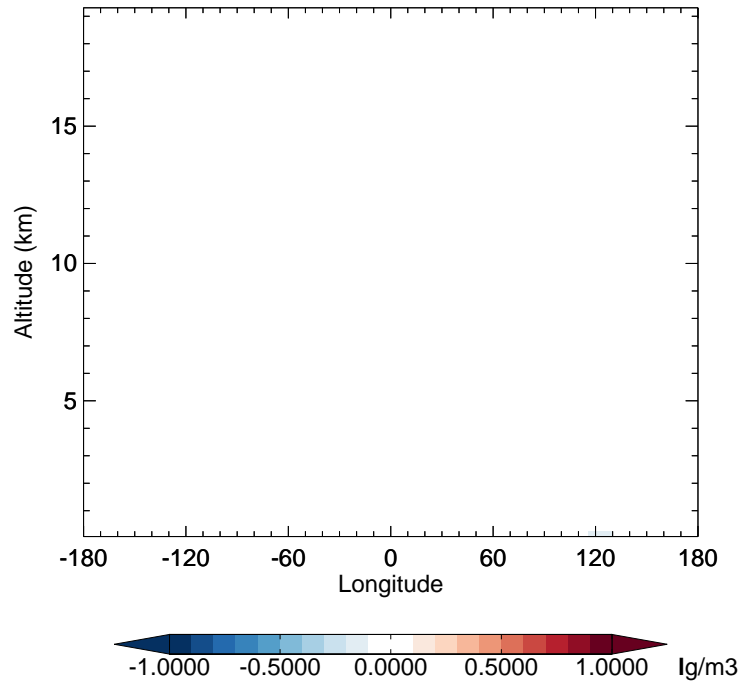
GC\_12.0.0 - v11-02f-Run1  
NH3 - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
NH3 - Diff along 15S for Apr

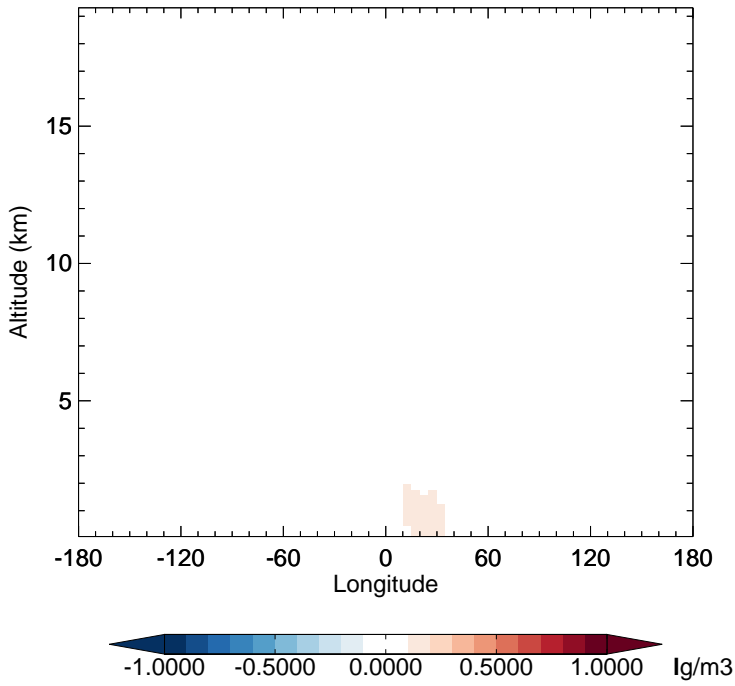


GC\_12.0.0 - v11-02e-Run1  
NH3 - Diff along 42N for Apr

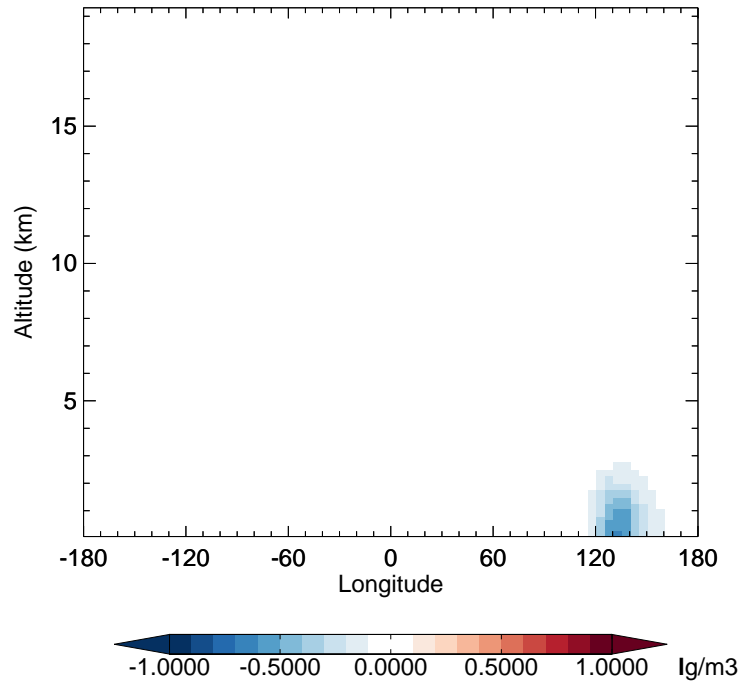


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

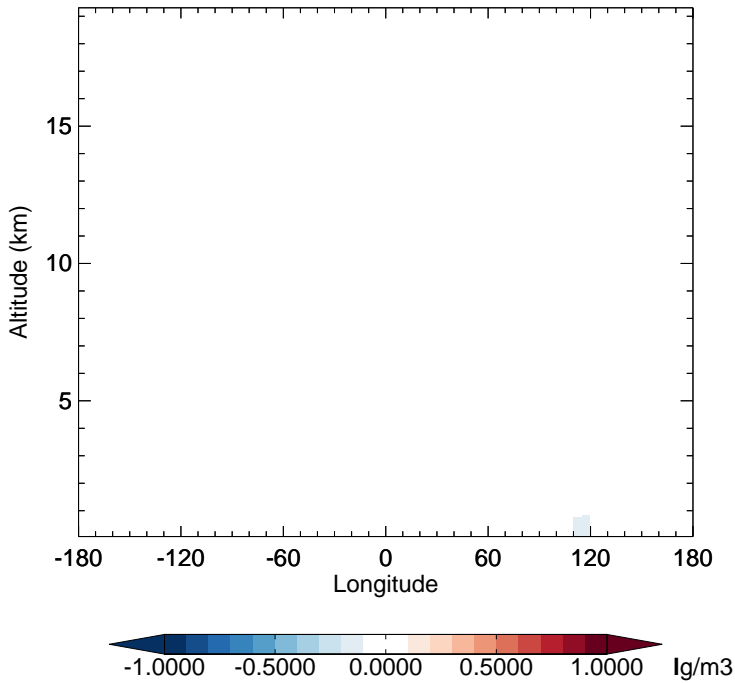
GC\_12.0.0 - v11-02f-Run1  
NH4 - Diff along 15S for Apr



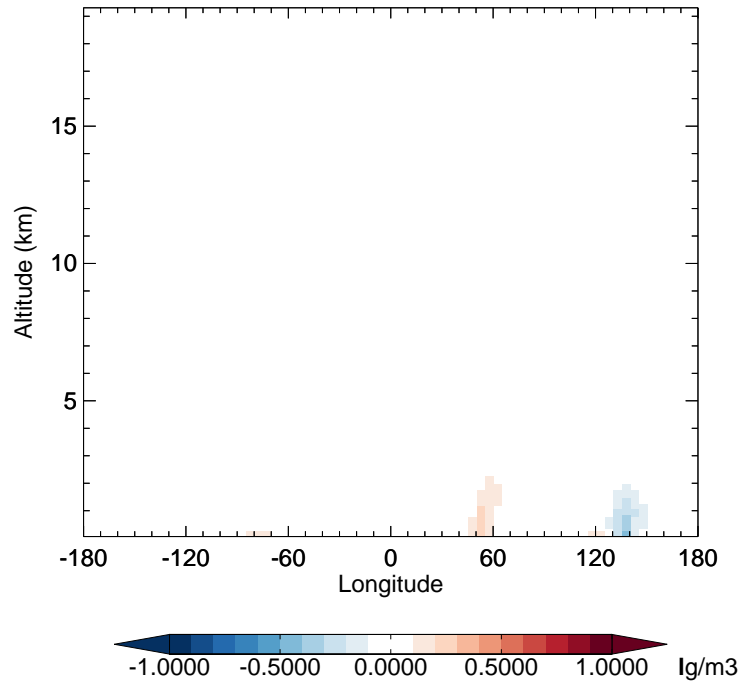
GC\_12.0.0 - v11-02f-Run1  
NH4 - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
NH4 - Diff along 15S for Apr

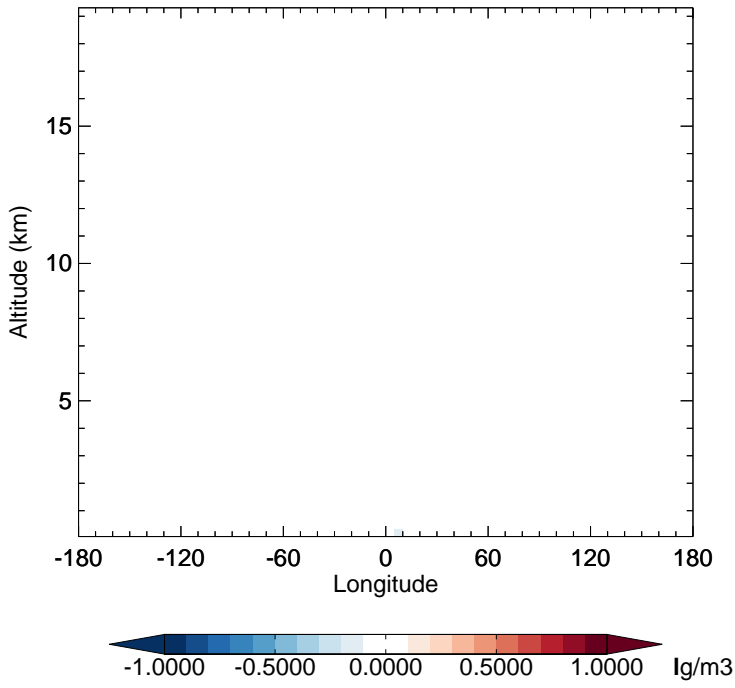


GC\_12.0.0 - v11-02e-Run1  
NH4 - Diff along 42N for Apr

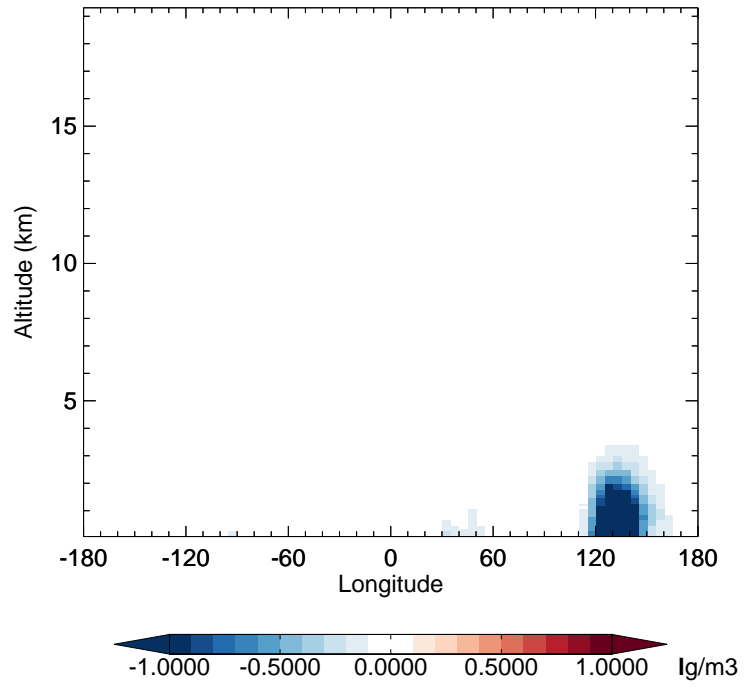


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

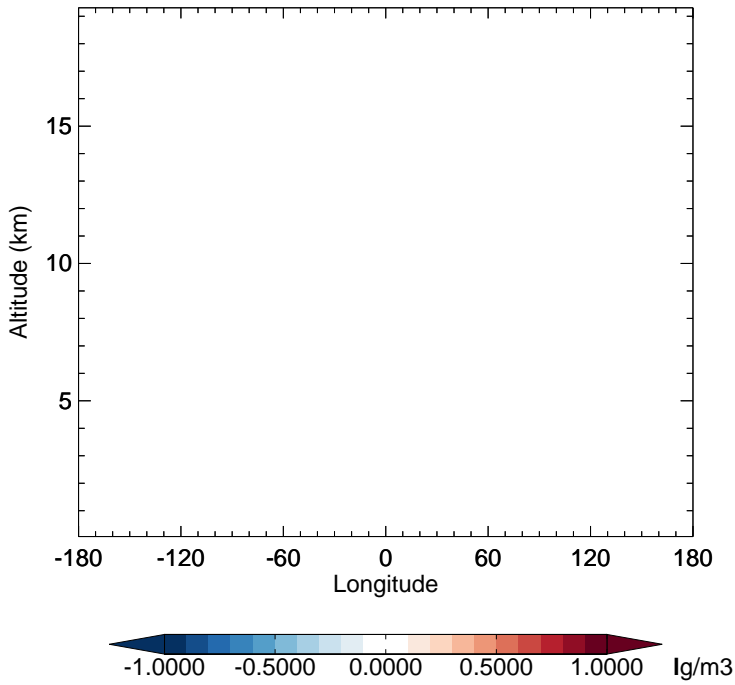
GC\_12.0.0 - v11-02f-Run1  
NIT - Diff along 15S for Apr



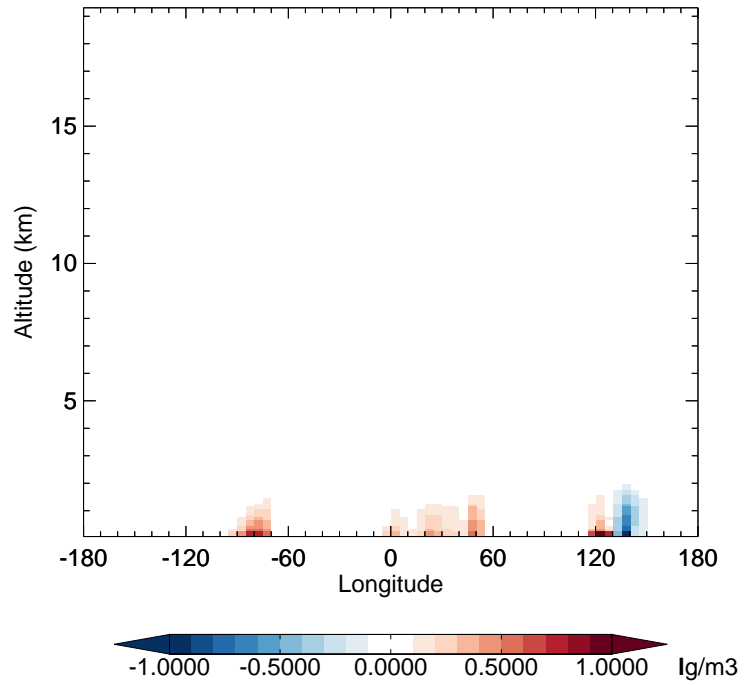
GC\_12.0.0 - v11-02f-Run1  
NIT - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
NIT - Diff along 15S for Apr



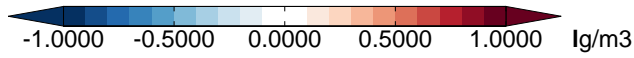
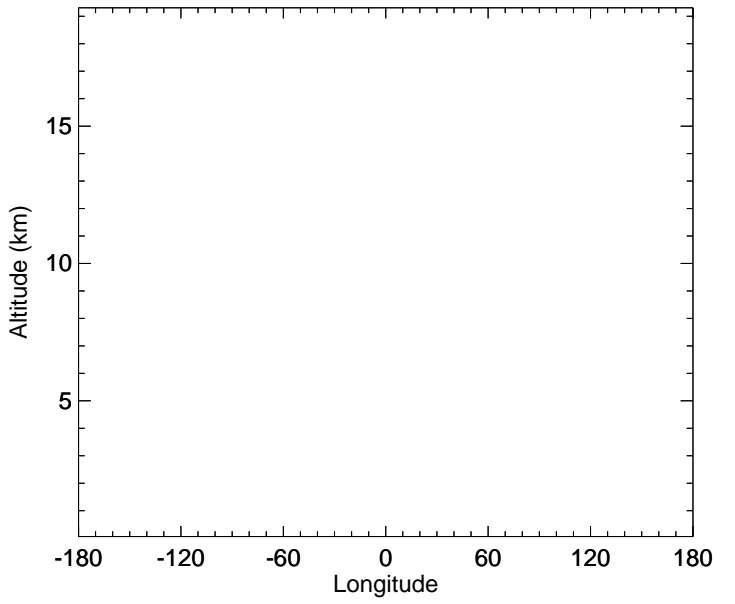
GC\_12.0.0 - v11-02e-Run1  
NIT - Diff along 42N for Apr



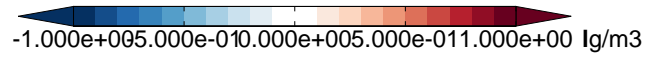
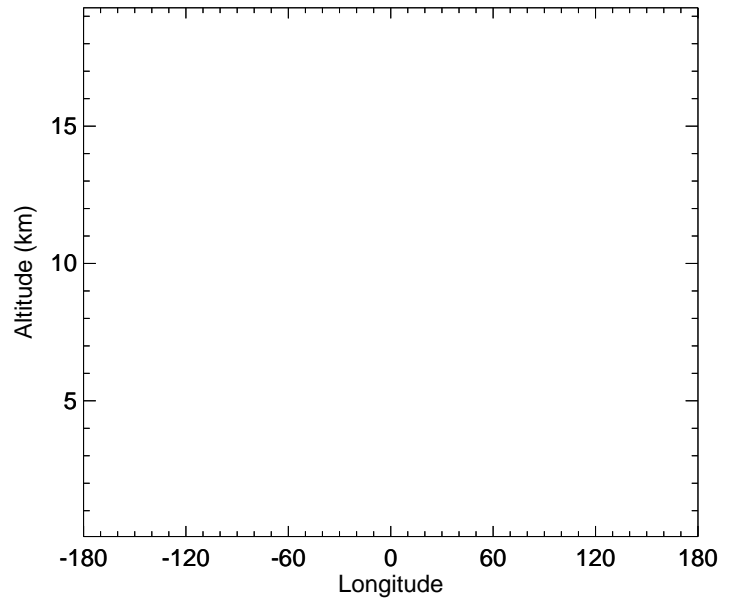


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

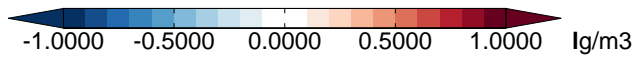
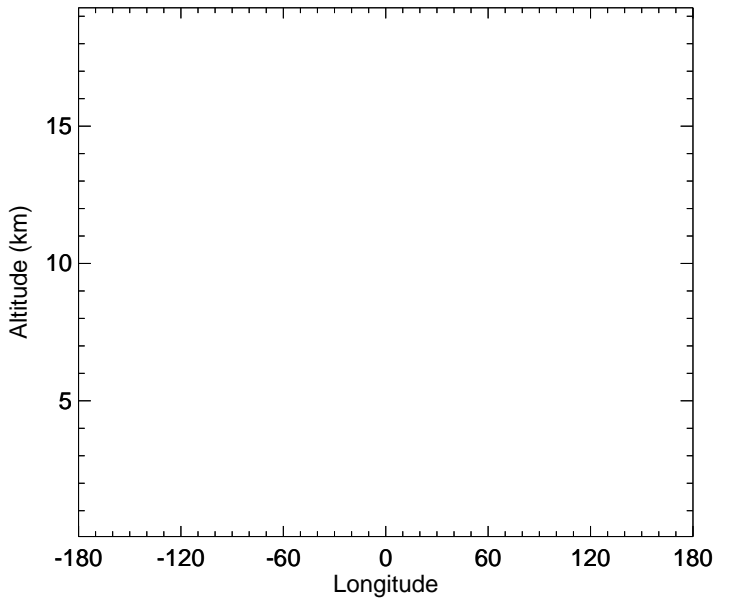
GC\_12.0.0 - v11-02f-Run1  
NITs - Diff along 15S for Apr



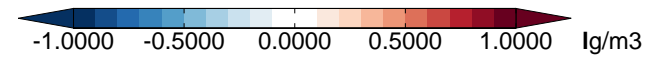
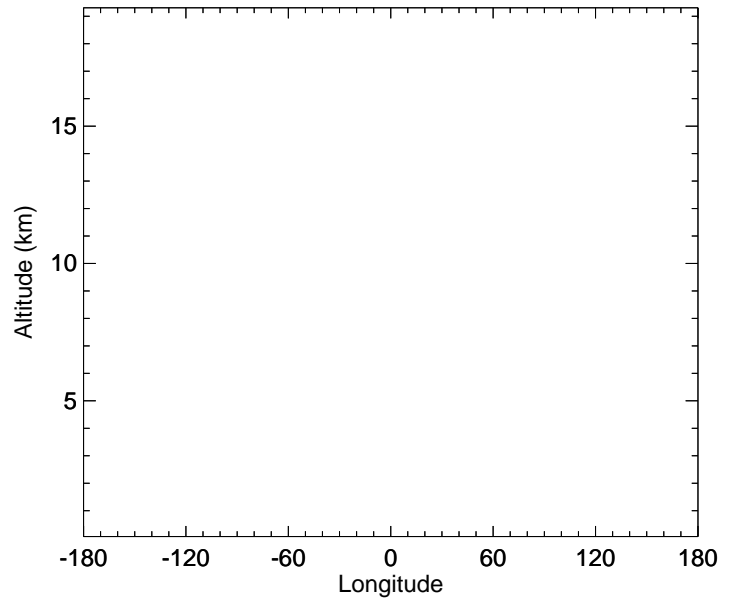
GC\_12.0.0 - v11-02f-Run1  
NITs - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
NITs - Diff along 15S for Apr

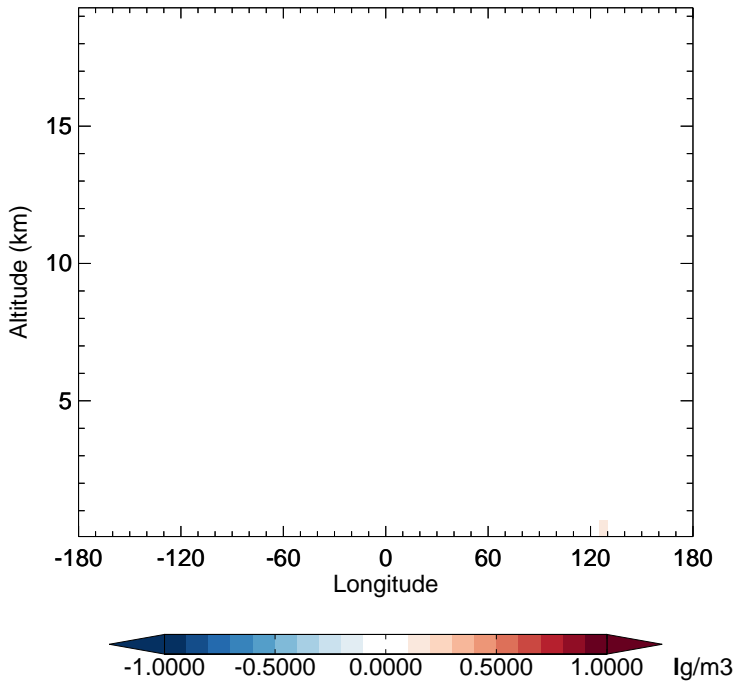


GC\_12.0.0 - v11-02e-Run1  
NITs - Diff along 42N for Apr

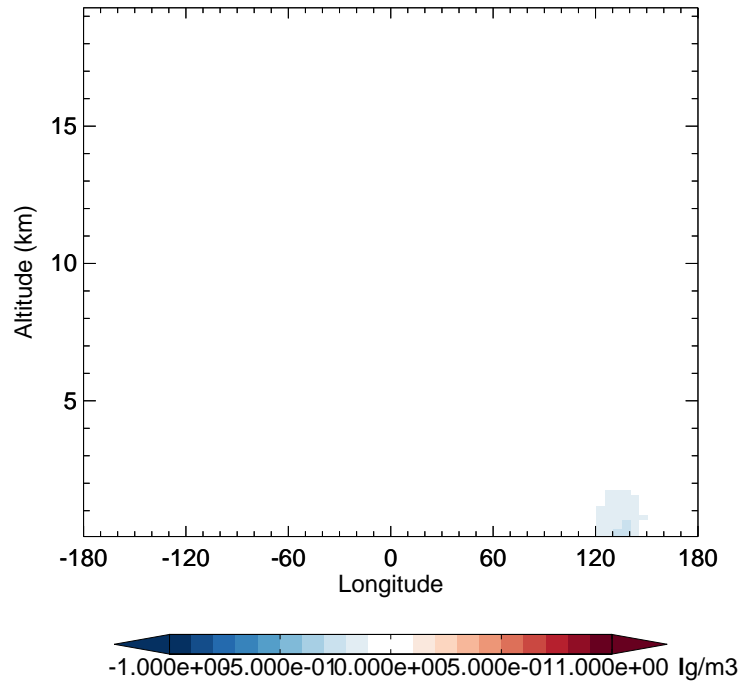


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

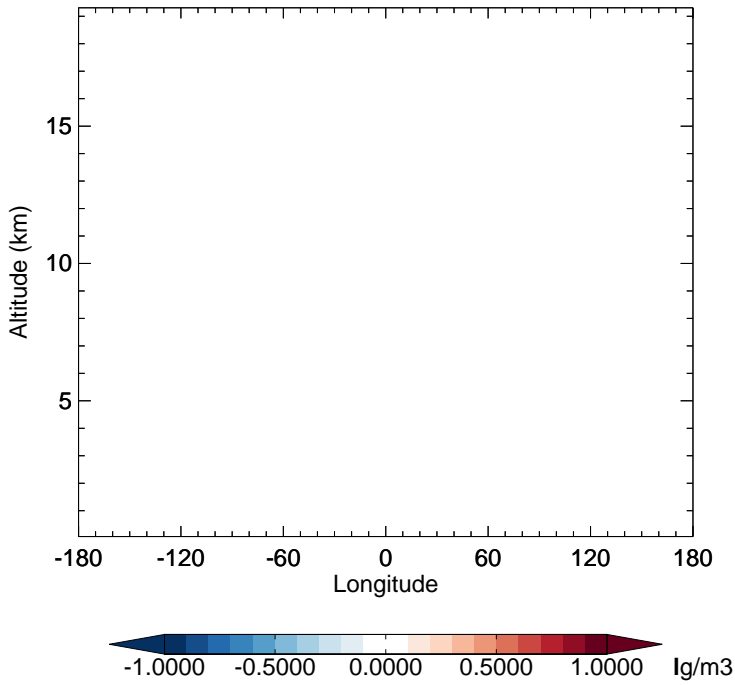
GC\_12.0.0 - v11-02f-Run1  
BCPI - Diff along 15S for Apr



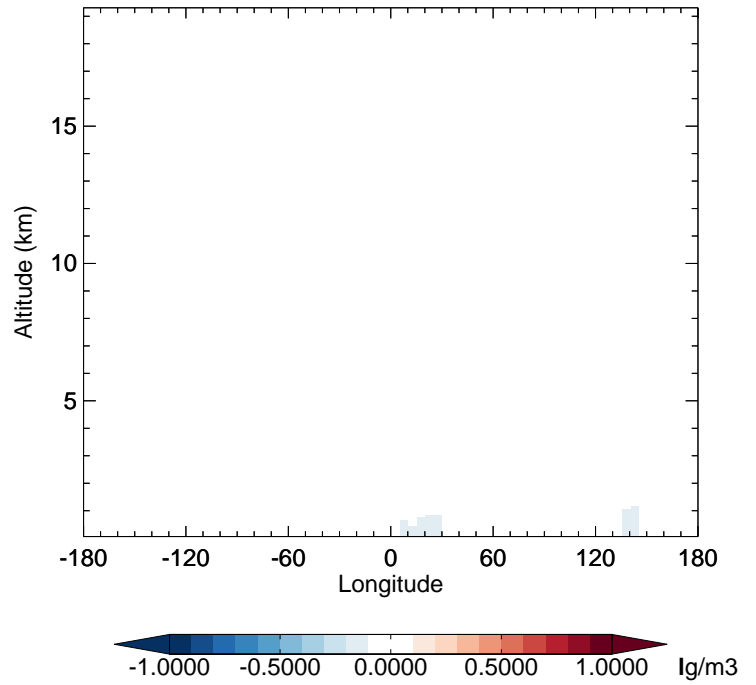
GC\_12.0.0 - v11-02f-Run1  
BCPI - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
BCPI - Diff along 15S for Apr

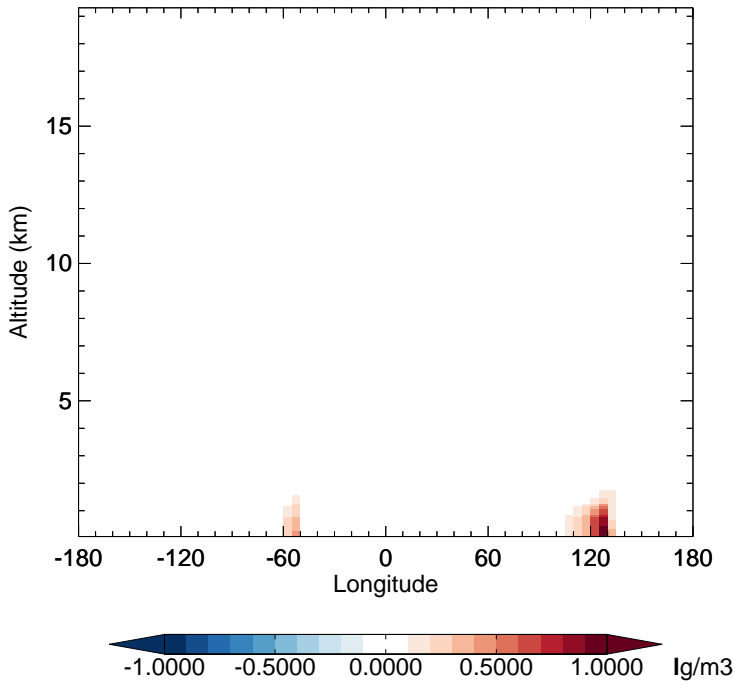


GC\_12.0.0 - v11-02e-Run1  
BCPI - Diff along 42N for Apr

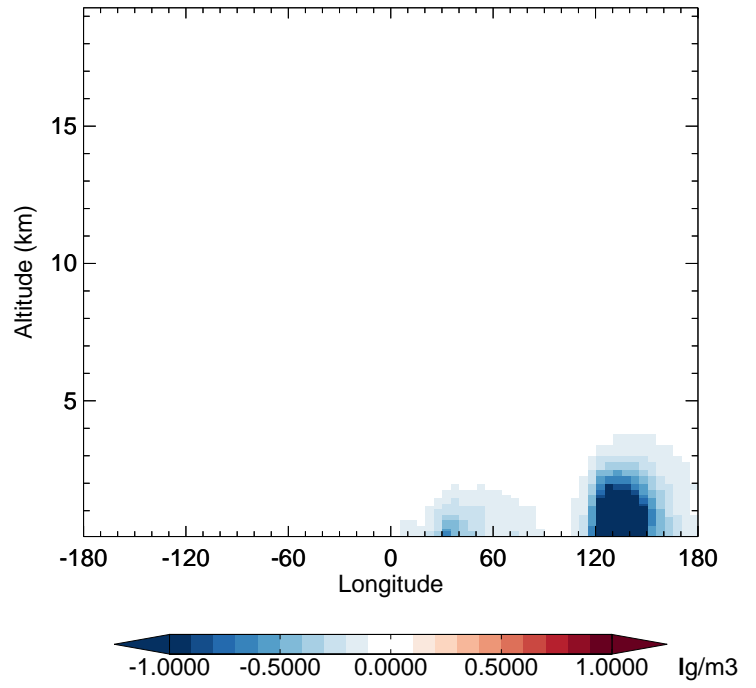


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

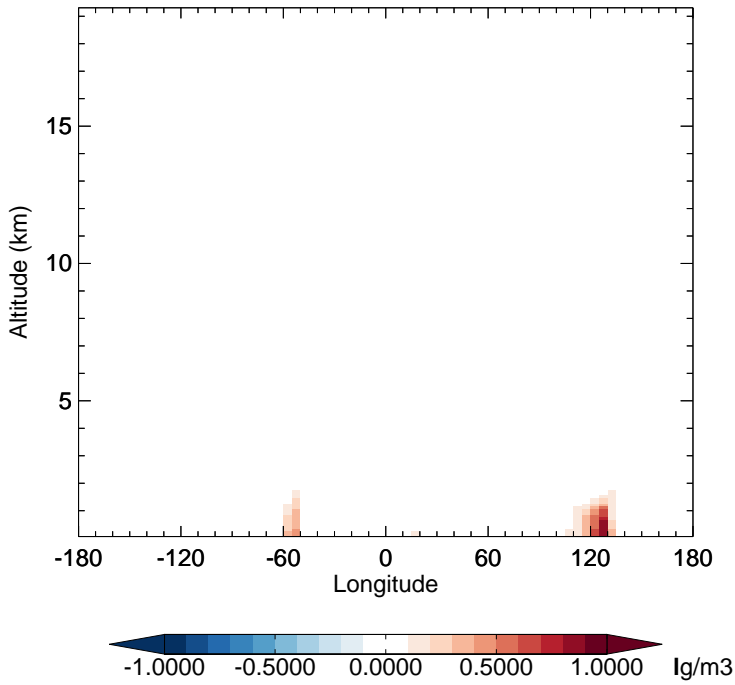
GC\_12.0.0 - v11-02f-Run1  
OCPI - Diff along 15S for Apr



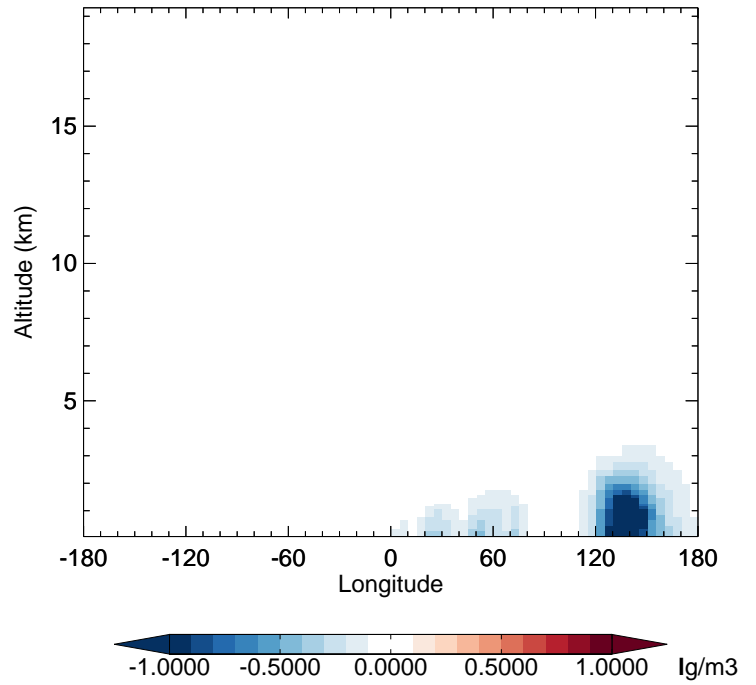
GC\_12.0.0 - v11-02f-Run1  
OCPI - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
OCPI - Diff along 15S for Apr

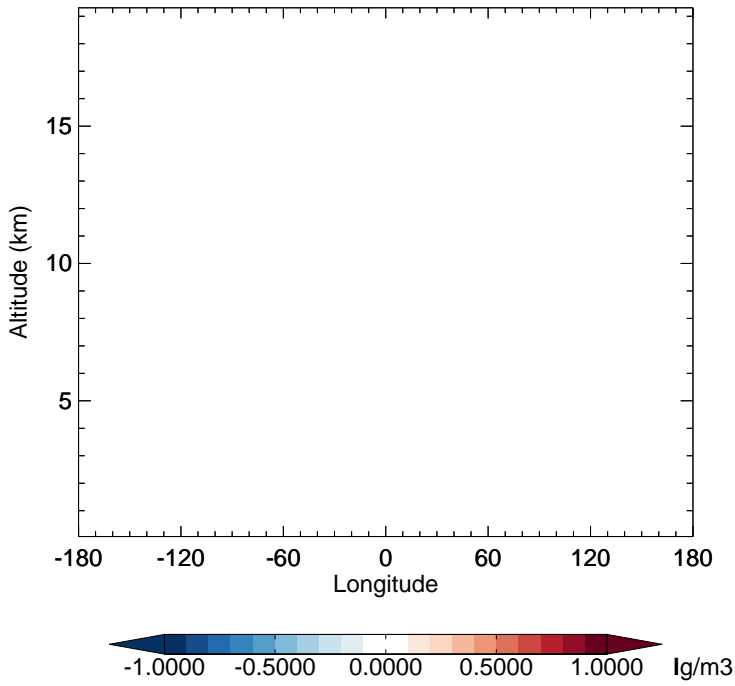


GC\_12.0.0 - v11-02e-Run1  
OCPI - Diff along 42N for Apr

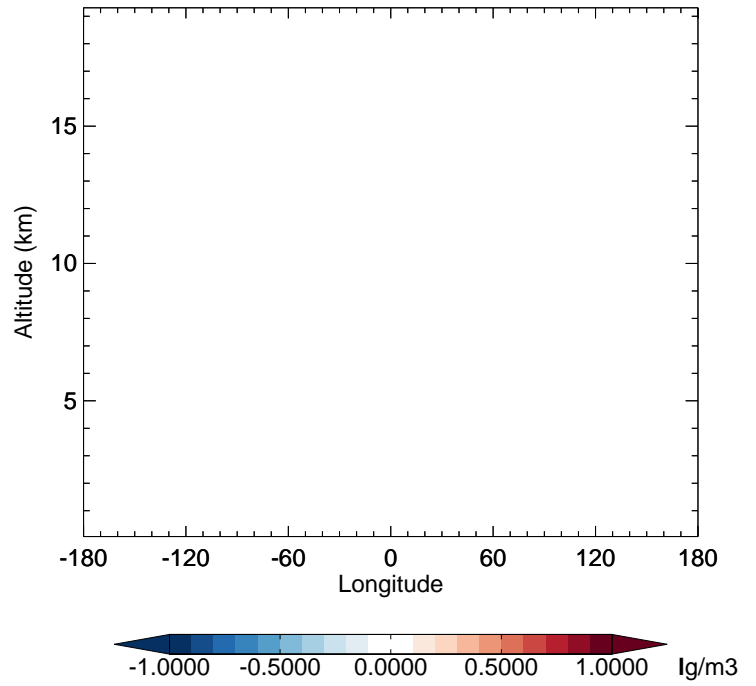


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

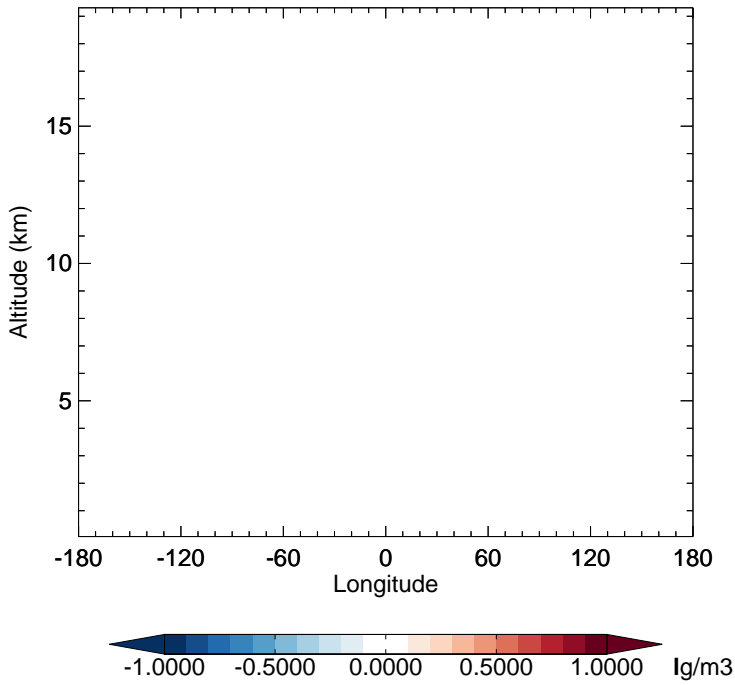
GC\_12.0.0 - v11-02f-Run1  
BCPO - Diff along 15S for Apr



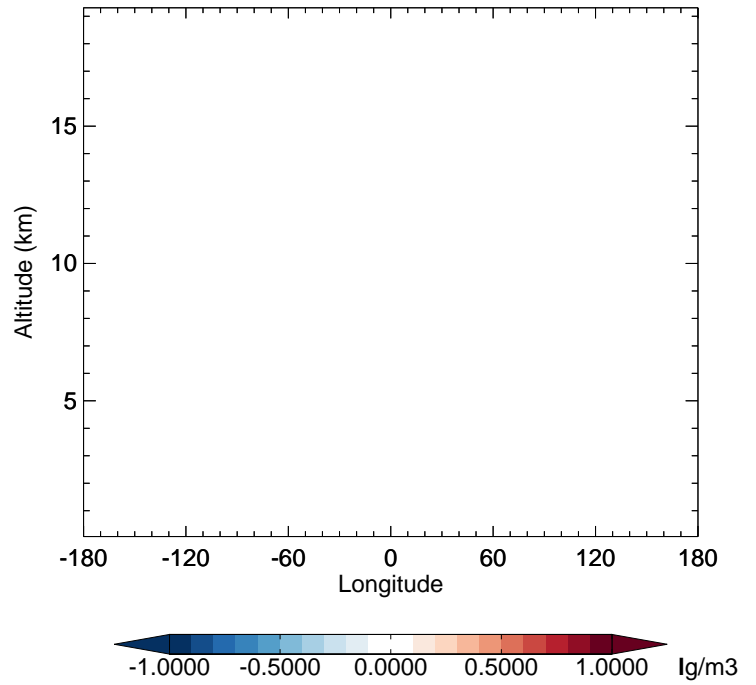
GC\_12.0.0 - v11-02f-Run1  
BCPO - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
BCPO - Diff along 15S for Apr

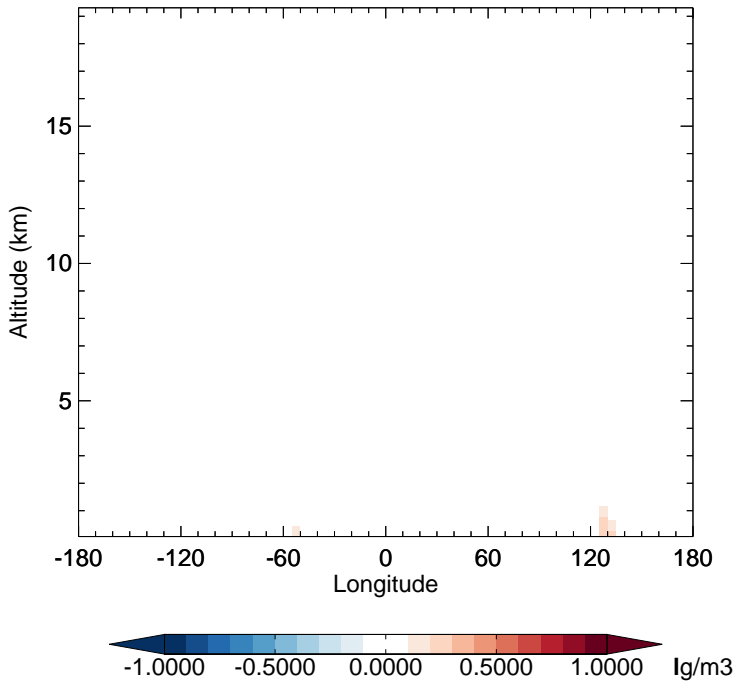


GC\_12.0.0 - v11-02e-Run1  
BCPO - Diff along 42N for Apr

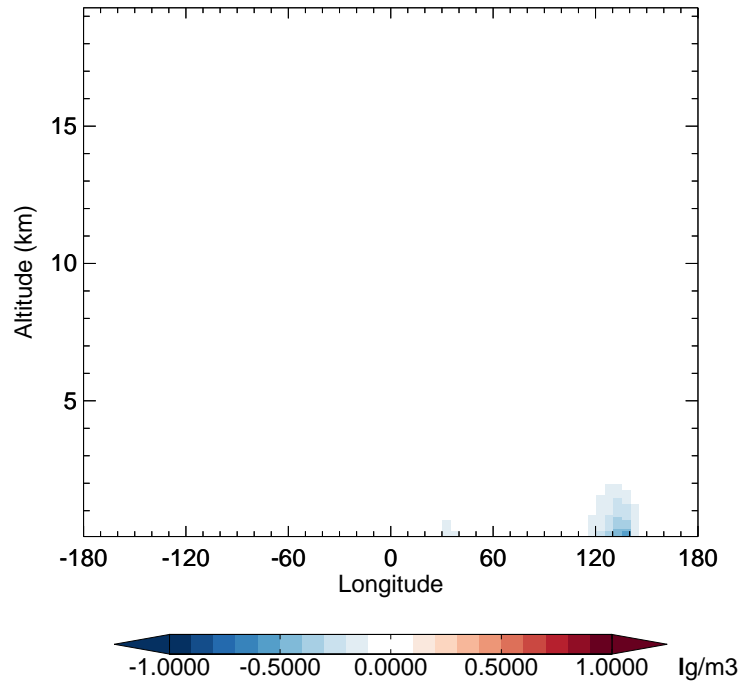


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

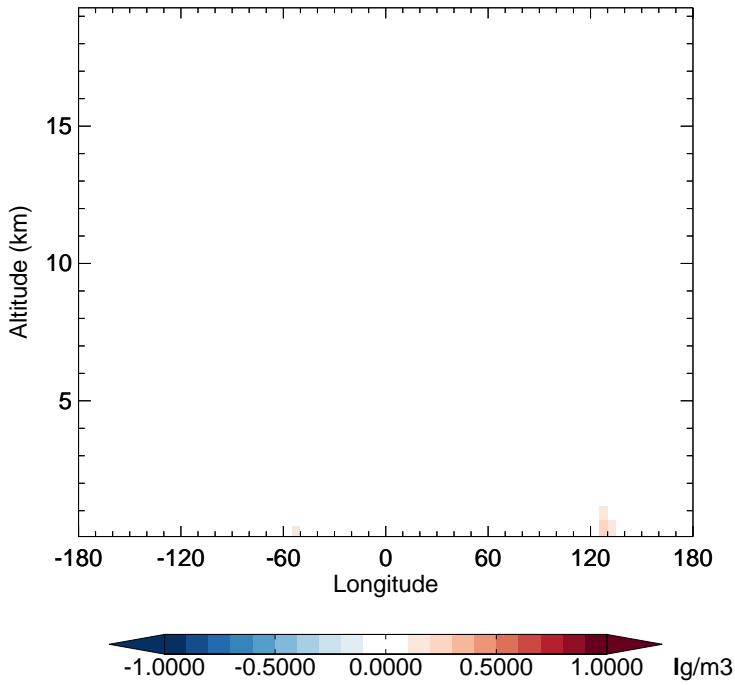
GC\_12.0.0 - v11-02f-Run1  
OCPO - Diff along 15S for Apr



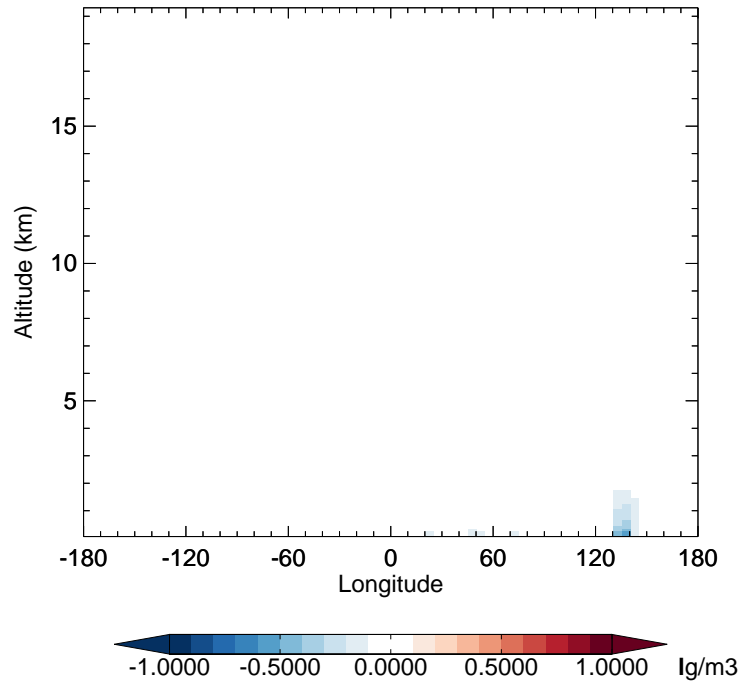
GC\_12.0.0 - v11-02f-Run1  
OCPO - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
OCPO - Diff along 15S for Apr

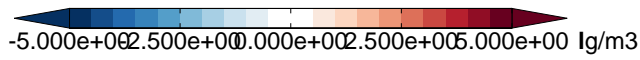
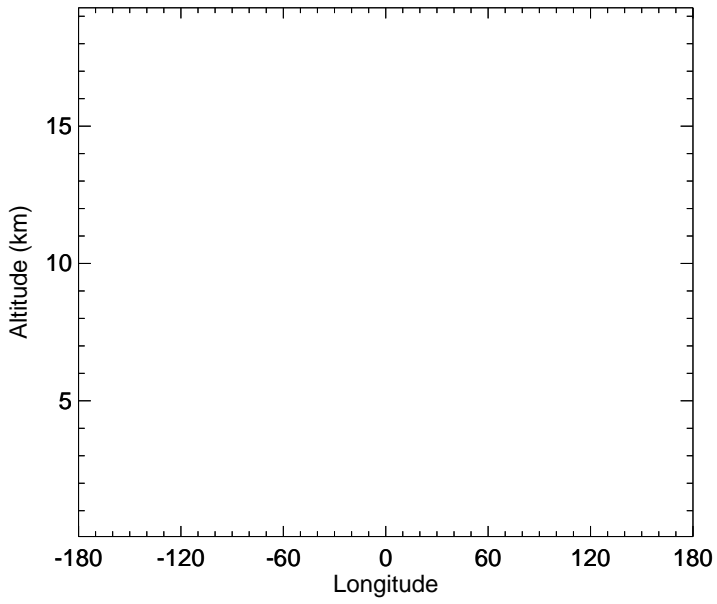


GC\_12.0.0 - v11-02e-Run1  
OCPO - Diff along 42N for Apr

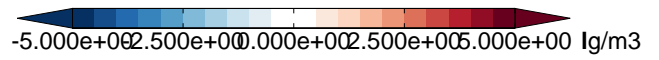
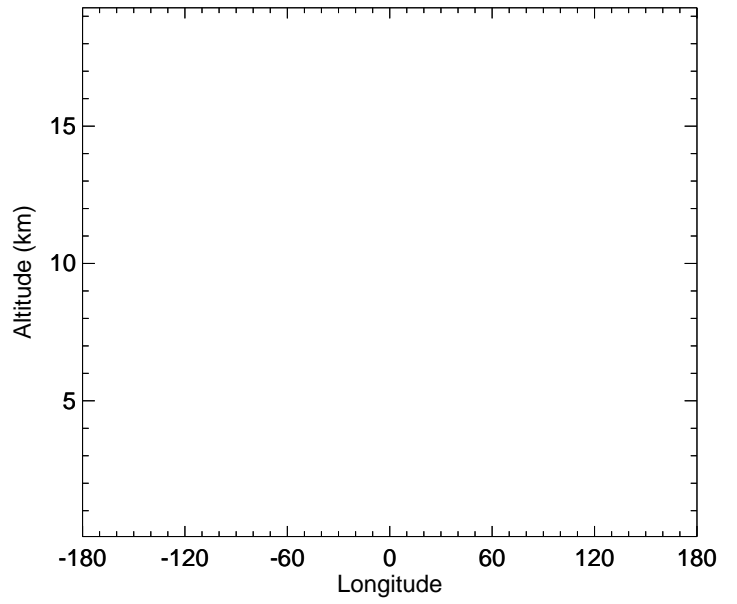


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

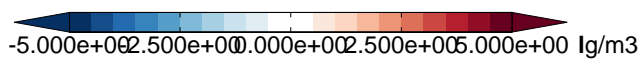
GC\_12.0.0 - v11-02f-Run1  
DST1 - Diff along 15S for Apr



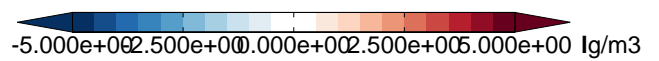
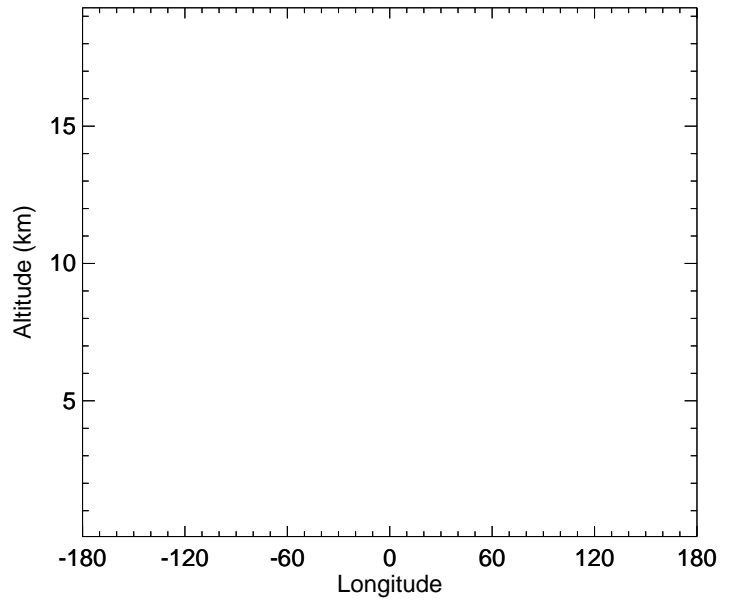
GC\_12.0.0 - v11-02f-Run1  
DST1 - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
DST1 - Diff along 15S for Apr

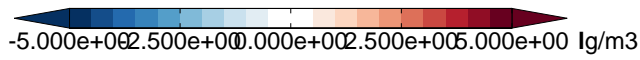


GC\_12.0.0 - v11-02e-Run1  
DST1 - Diff along 42N for Apr

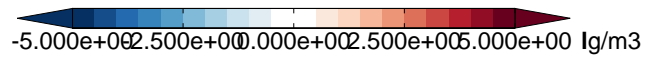
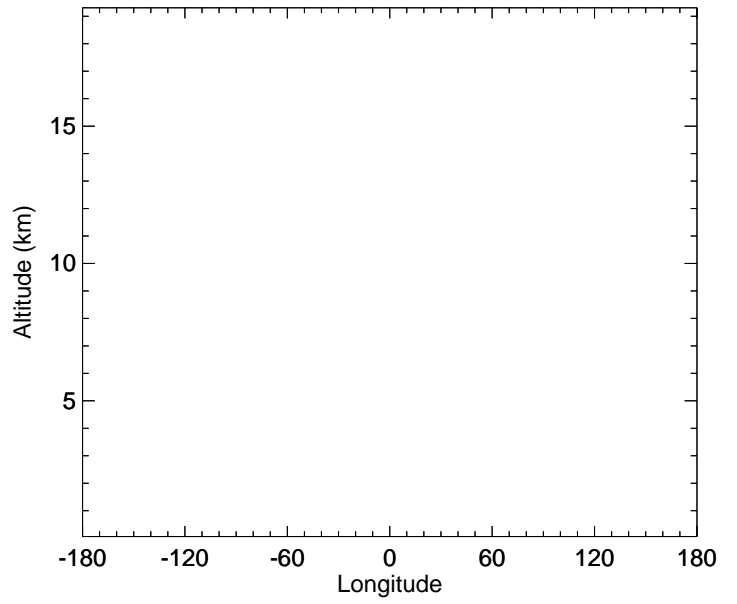


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

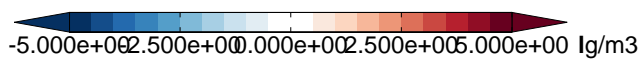
GC\_12.0.0 - v11-02f-Run1  
DST2 - Diff along 15S for Apr



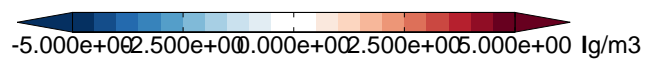
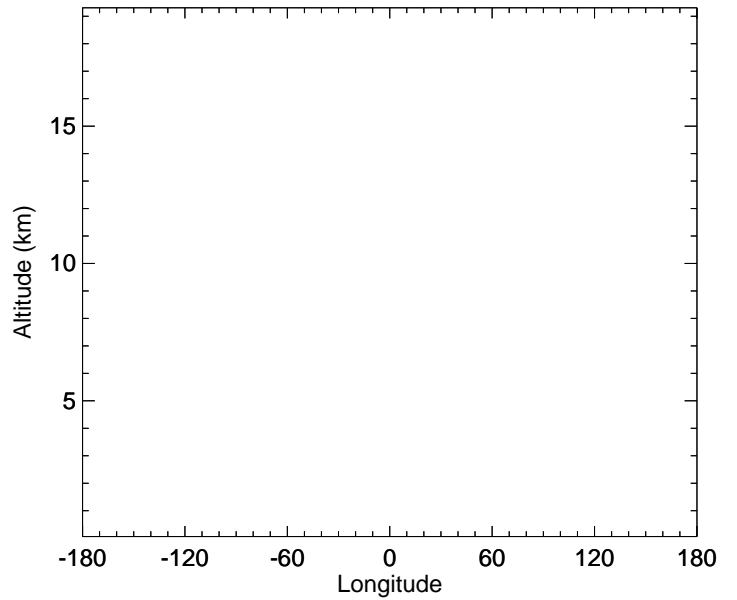
GC\_12.0.0 - v11-02f-Run1  
DST2 - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
DST2 - Diff along 15S for Apr

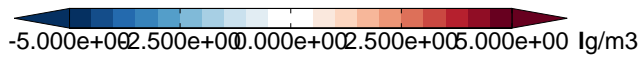
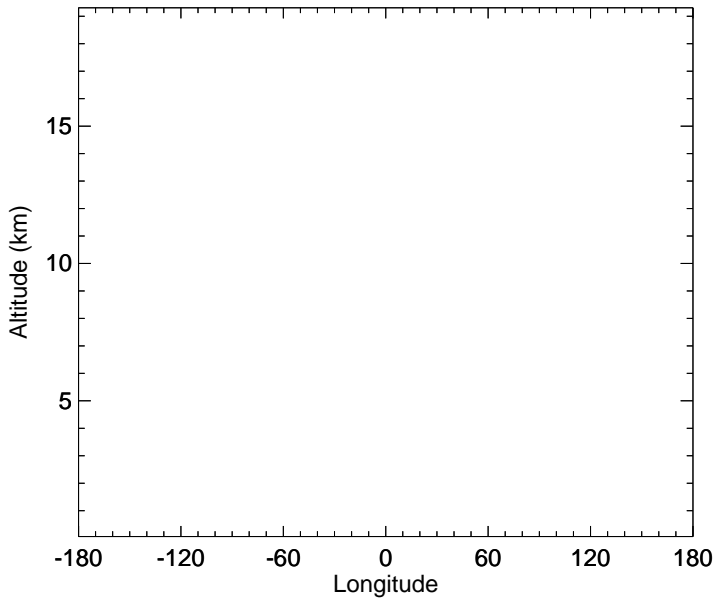


GC\_12.0.0 - v11-02e-Run1  
DST2 - Diff along 42N for Apr

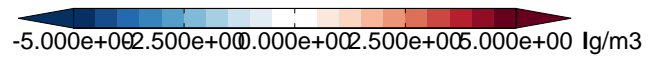
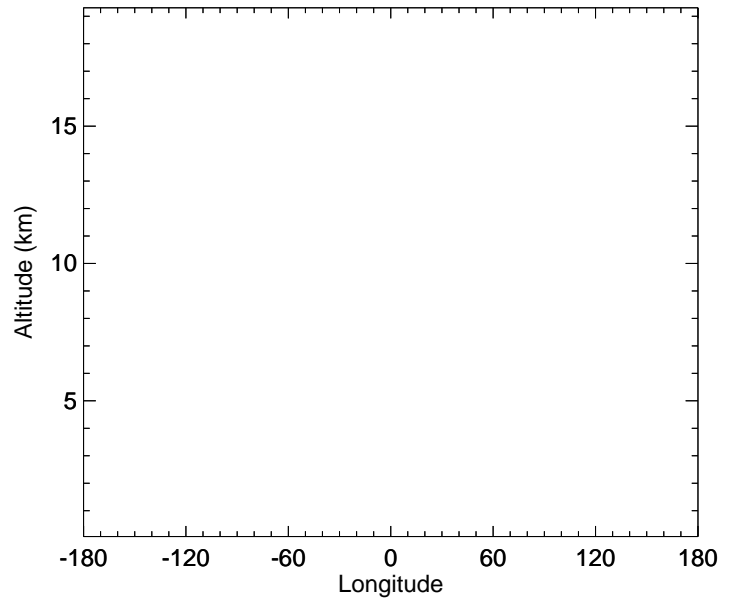


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

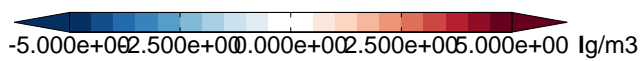
GC\_12.0.0 - v11-02f-Run1  
DST3 - Diff along 15S for Apr



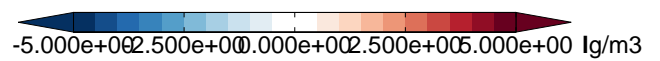
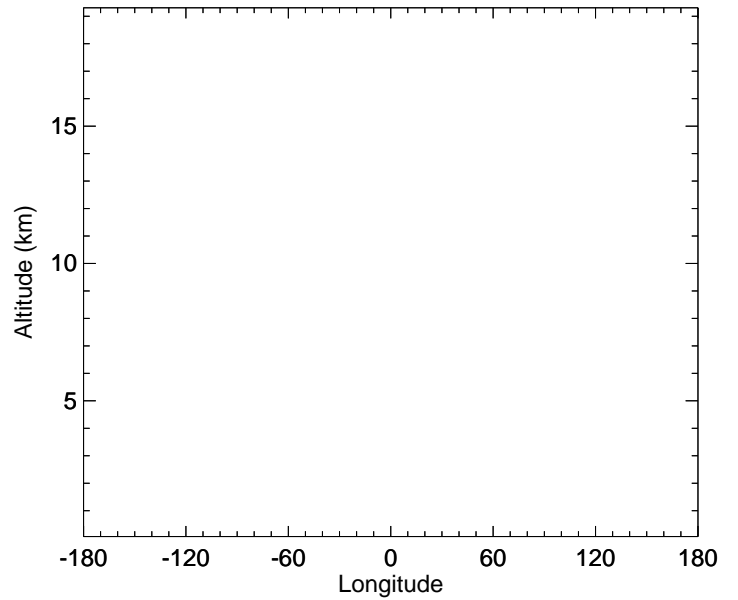
GC\_12.0.0 - v11-02f-Run1  
DST3 - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
DST3 - Diff along 15S for Apr



GC\_12.0.0 - v11-02e-Run1  
DST3 - Diff along 42N for Apr



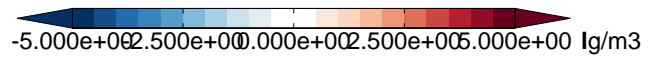
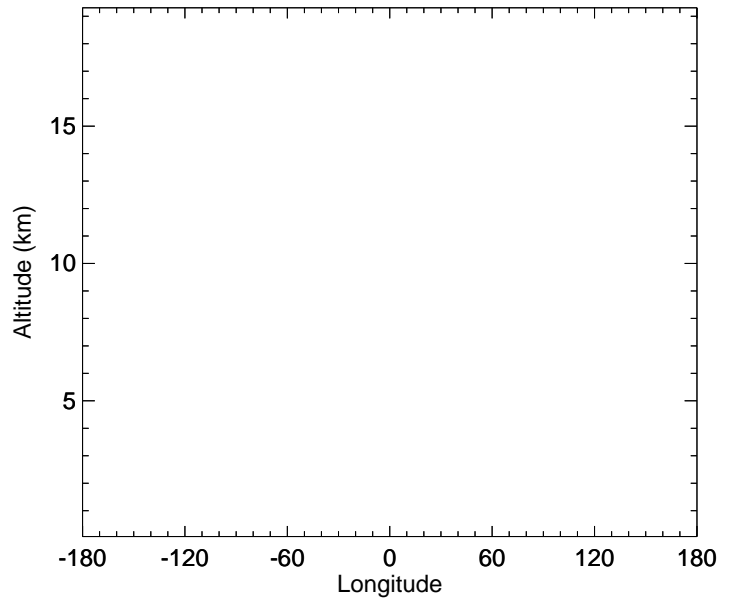


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

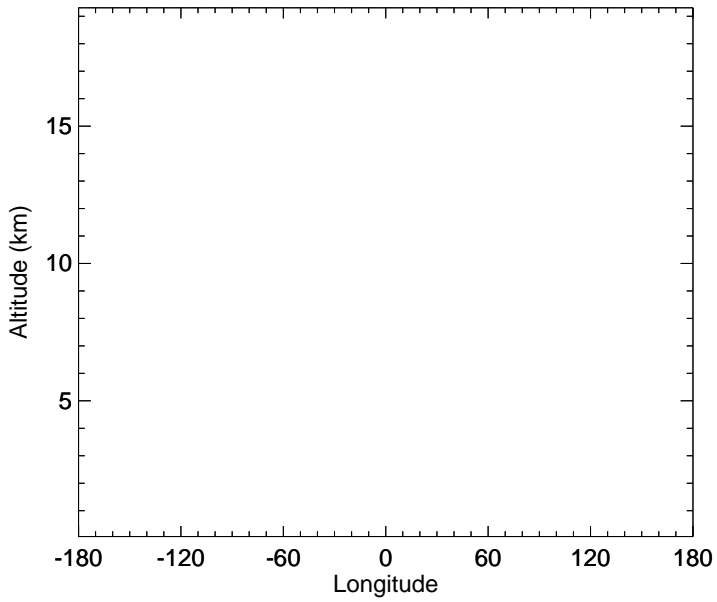
GC\_12.0.0 - v11-02f-Run1  
DST4 - Diff along 15S for Apr



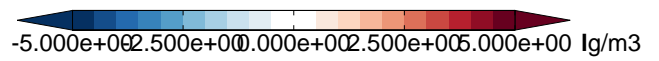
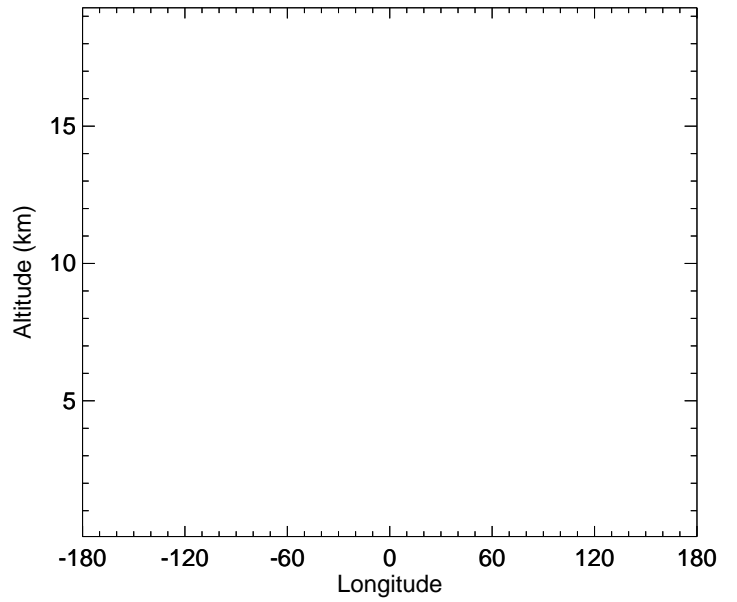
GC\_12.0.0 - v11-02f-Run1  
DST4 - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
DST4 - Diff along 15S for Apr

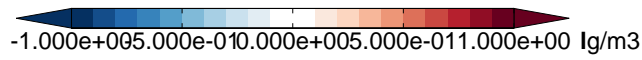


GC\_12.0.0 - v11-02e-Run1  
DST4 - Diff along 42N for Apr

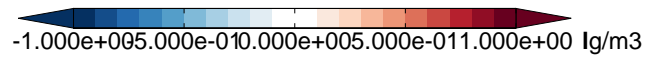
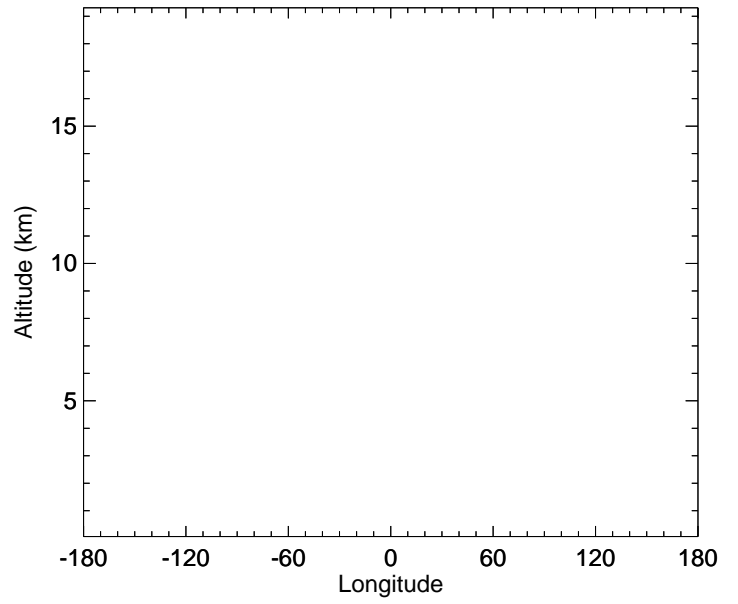


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

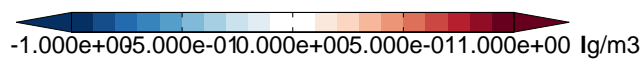
GC\_12.0.0 - v11-02f-Run1  
SALA - Diff along 15S for Apr



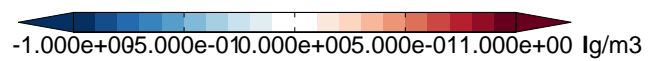
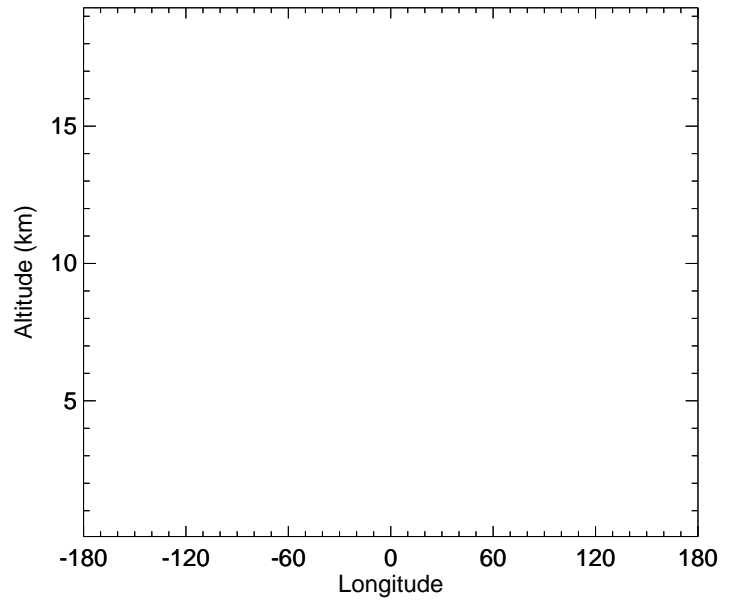
GC\_12.0.0 - v11-02f-Run1  
SALA - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
SALA - Diff along 15S for Apr

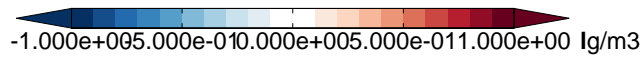


GC\_12.0.0 - v11-02e-Run1  
SALA - Diff along 42N for Apr

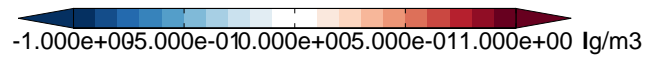
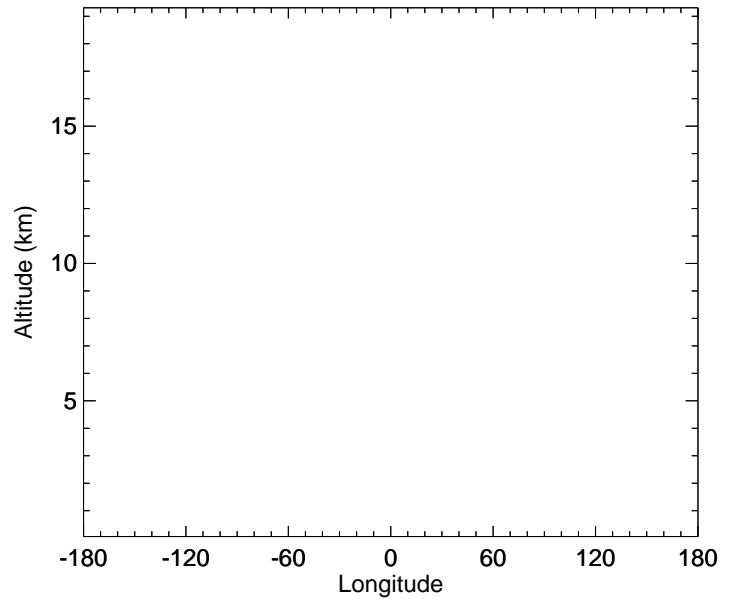


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

GC\_12.0.0 - v11-02f-Run1  
SALC - Diff along 15S for Apr



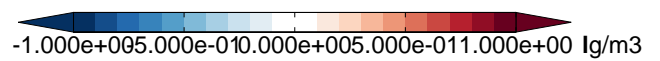
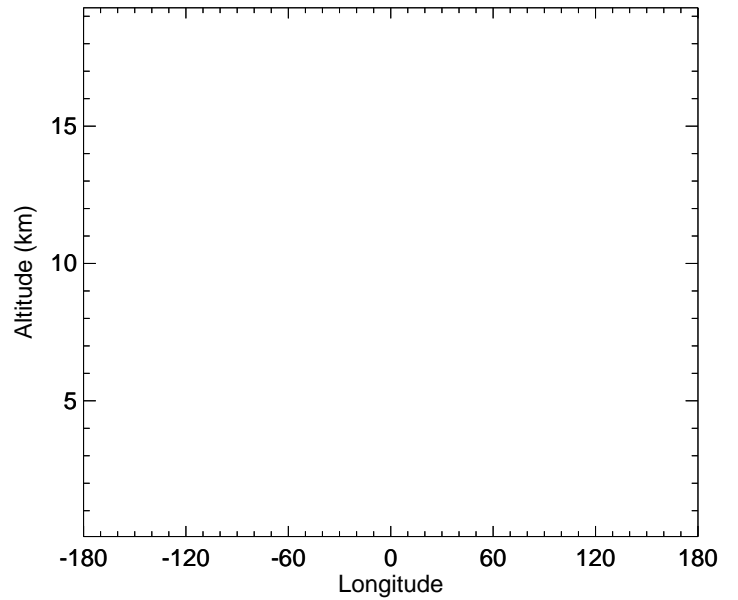
GC\_12.0.0 - v11-02f-Run1  
SALC - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
SALC - Diff along 15S for Apr

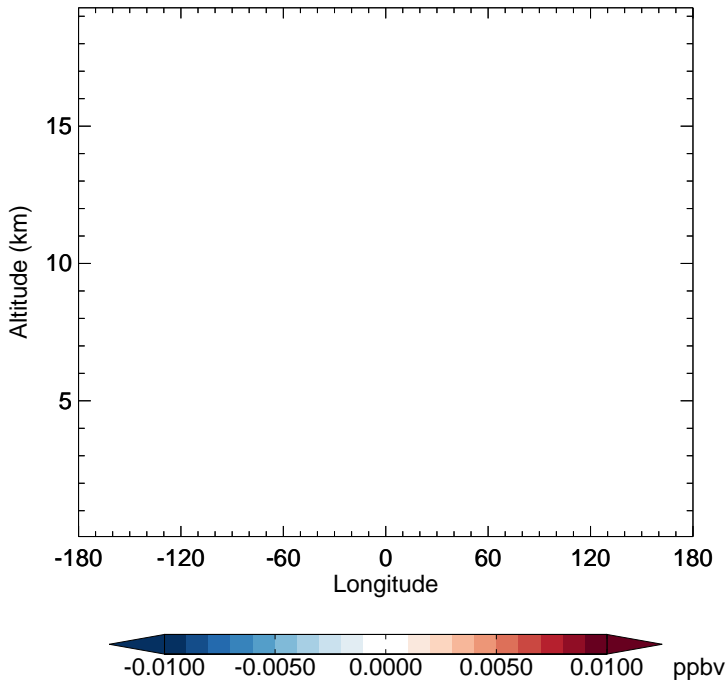


GC\_12.0.0 - v11-02e-Run1  
SALC - Diff along 42N for Apr

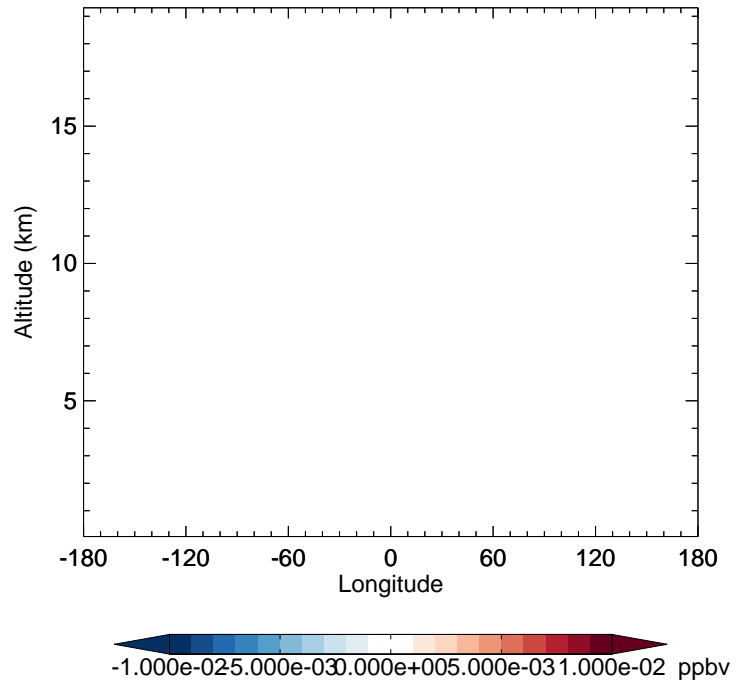


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

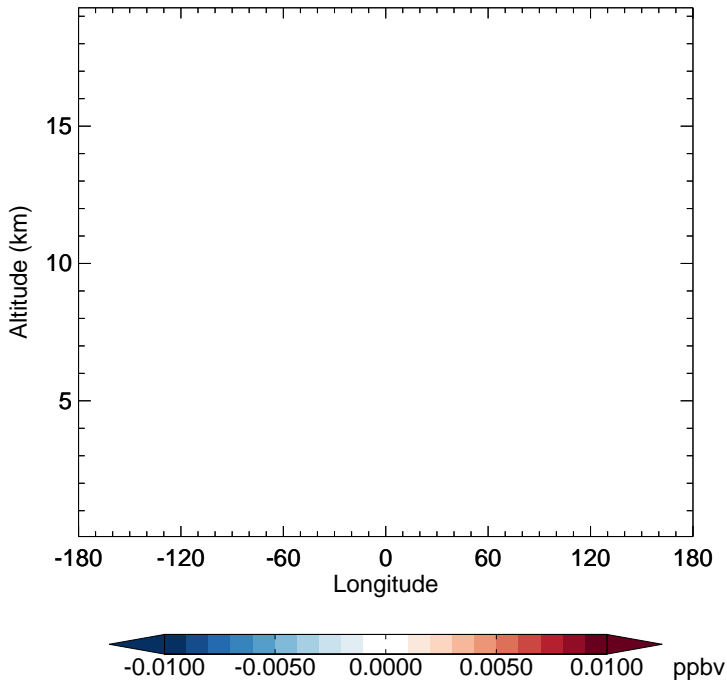
GC\_12.0.0 - v11-02f-Run1  
Br2 - Diff along 15S for Apr



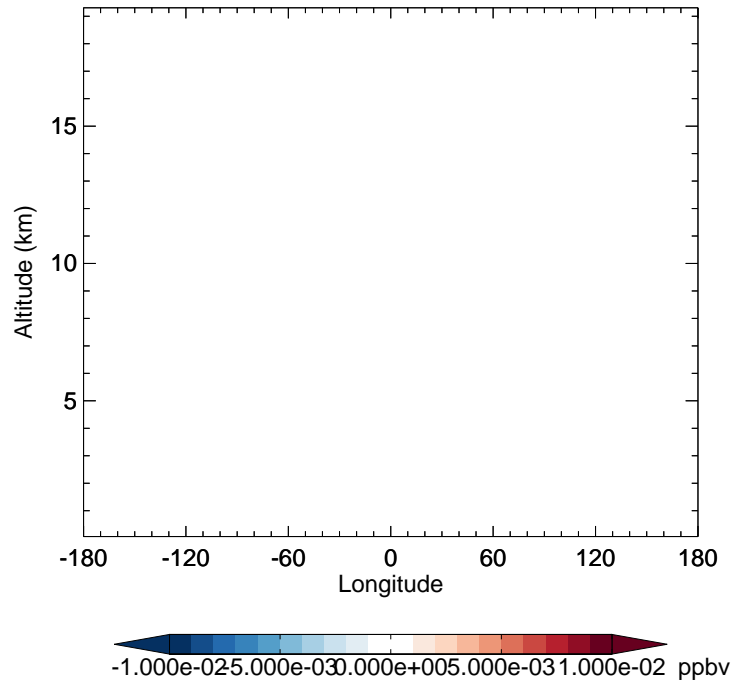
GC\_12.0.0 - v11-02f-Run1  
Br2 - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
Br2 - Diff along 15S for Apr



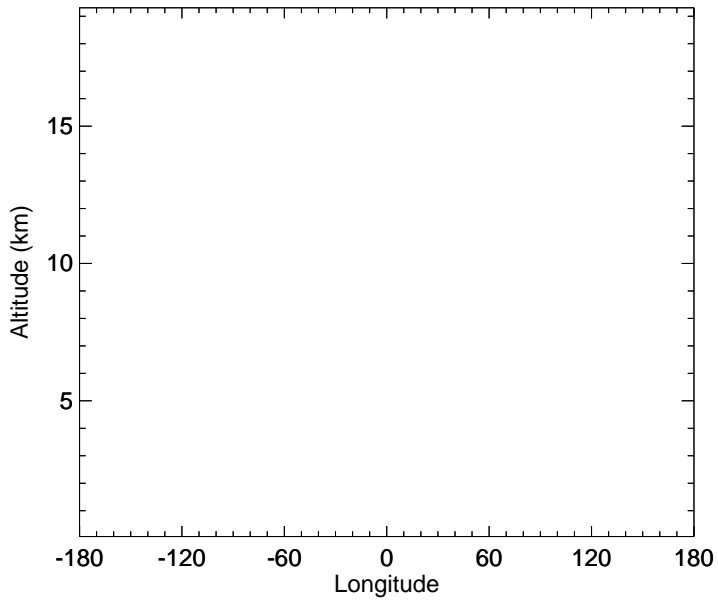
GC\_12.0.0 - v11-02e-Run1  
Br2 - Diff along 42N for Apr



# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

GC\_12.0.0 - v11-02f-Run1

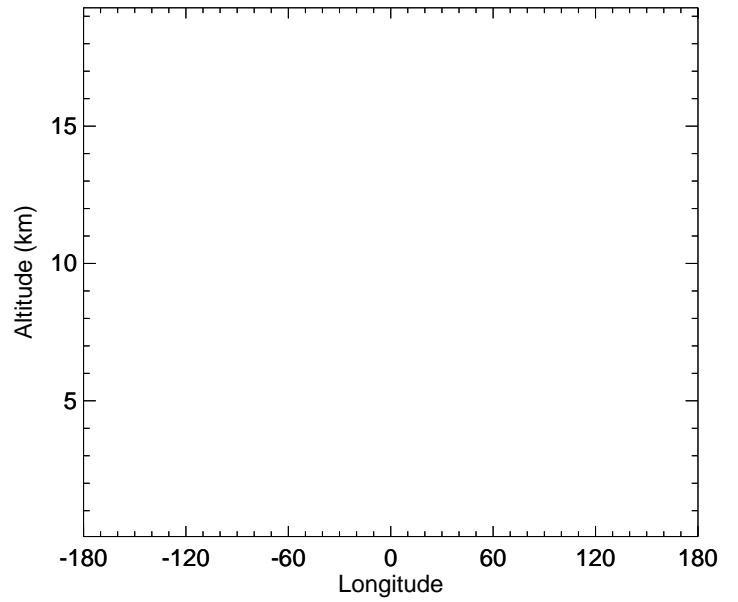
Br - Diff along 15S for Apr



-1.000e-025.000e-030.000e+005.000e-031.000e-02 ppbv

GC\_12.0.0 - v11-02f-Run1

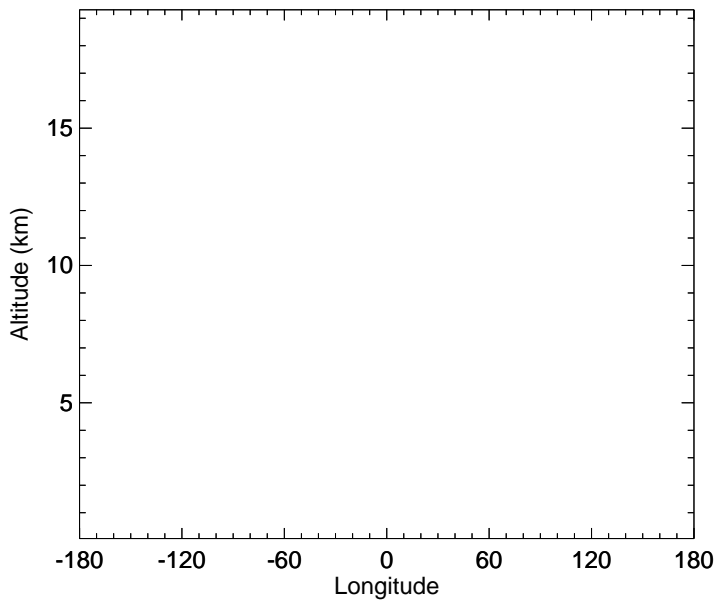
Br - Diff along 42N for Apr



-1.000e-025.000e-030.000e+005.000e-031.000e-02 ppbv

GC\_12.0.0 - v11-02e-Run1

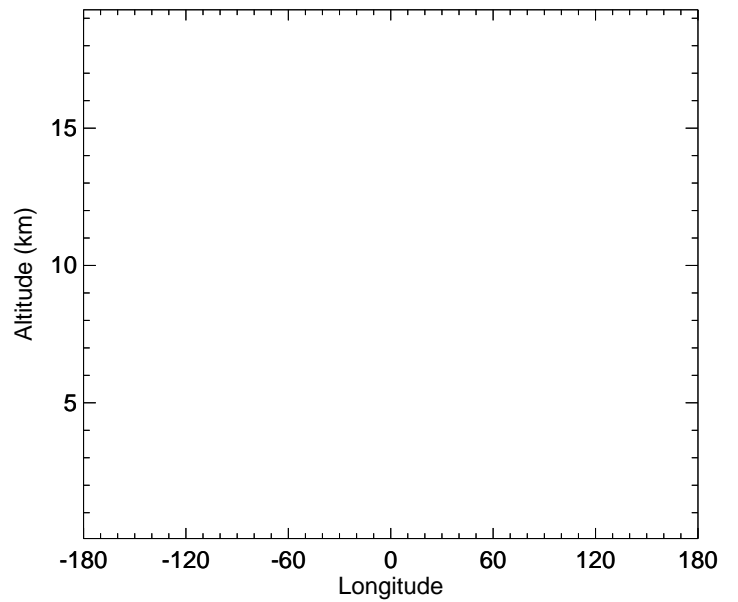
Br - Diff along 15S for Apr



-1.000e-025.000e-030.000e+005.000e-031.000e-02 ppbv

GC\_12.0.0 - v11-02e-Run1

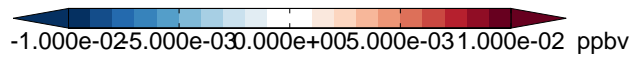
Br - Diff along 42N for Apr



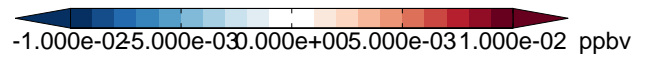
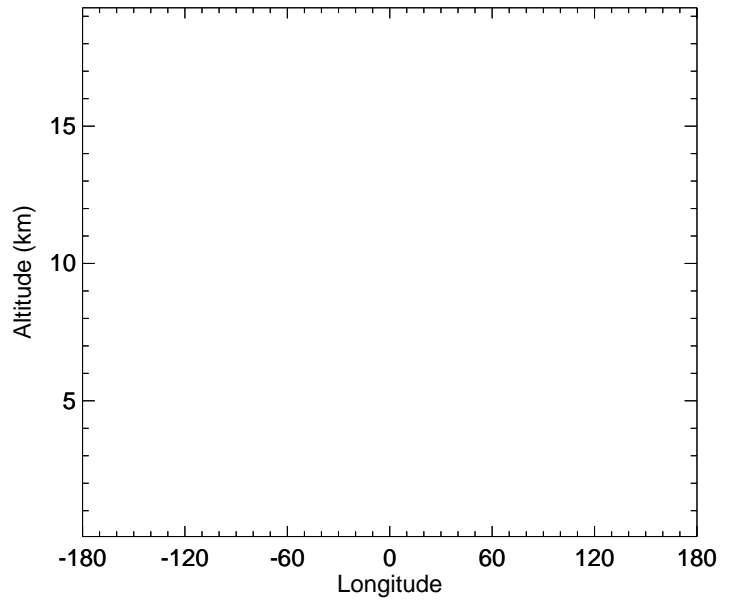
-1.000e-025.000e-030.000e+005.000e-031.000e-02 ppbv

# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

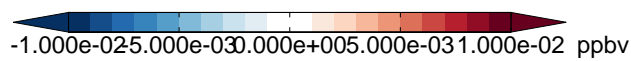
GC\_12.0.0 - v11-02f-Run1  
BrO - Diff along 15S for Apr



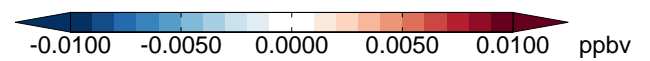
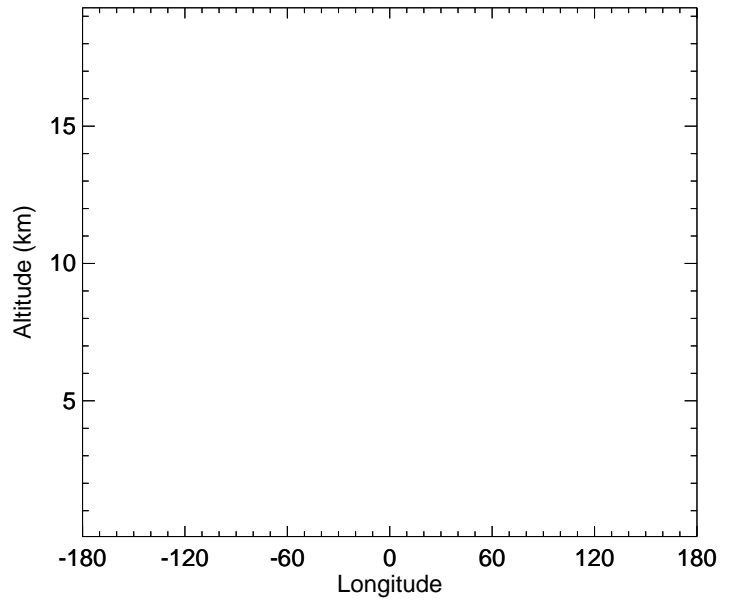
GC\_12.0.0 - v11-02f-Run1  
BrO - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
BrO - Diff along 15S for Apr

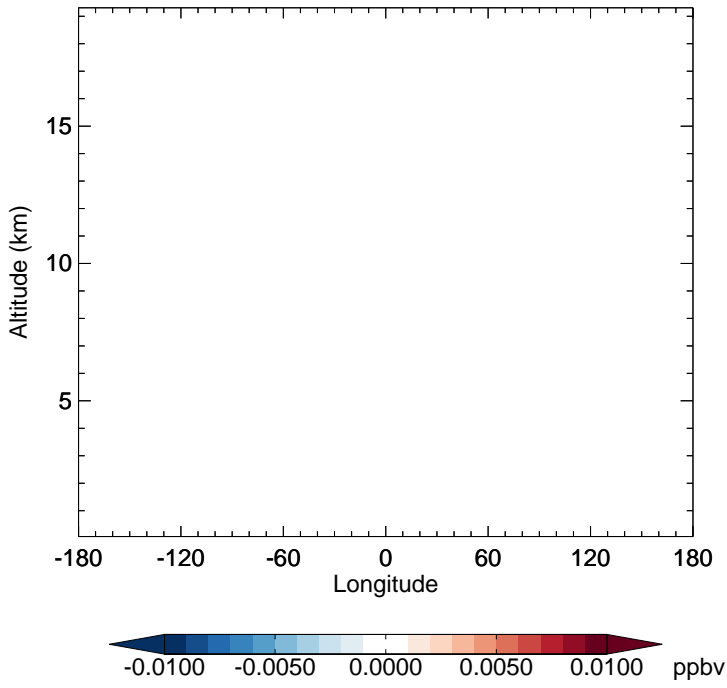


GC\_12.0.0 - v11-02e-Run1  
BrO - Diff along 42N for Apr

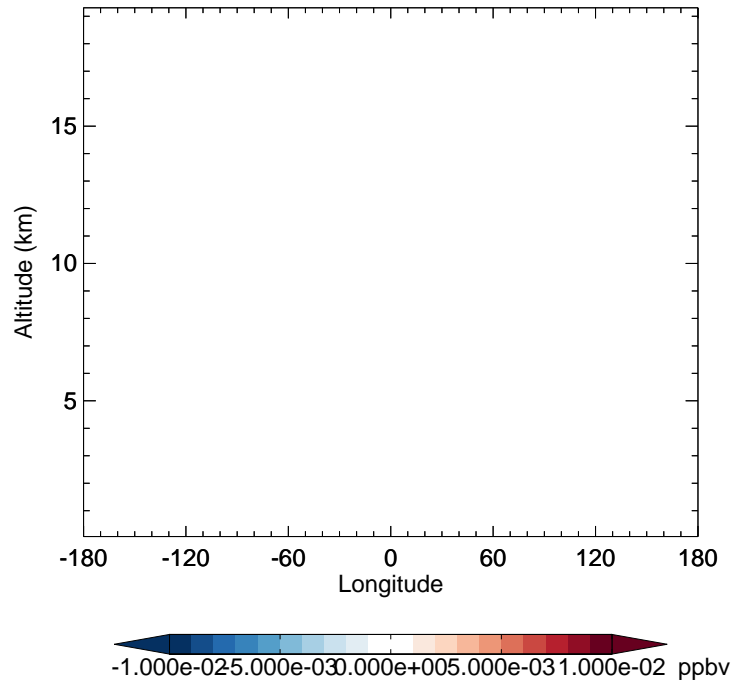


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

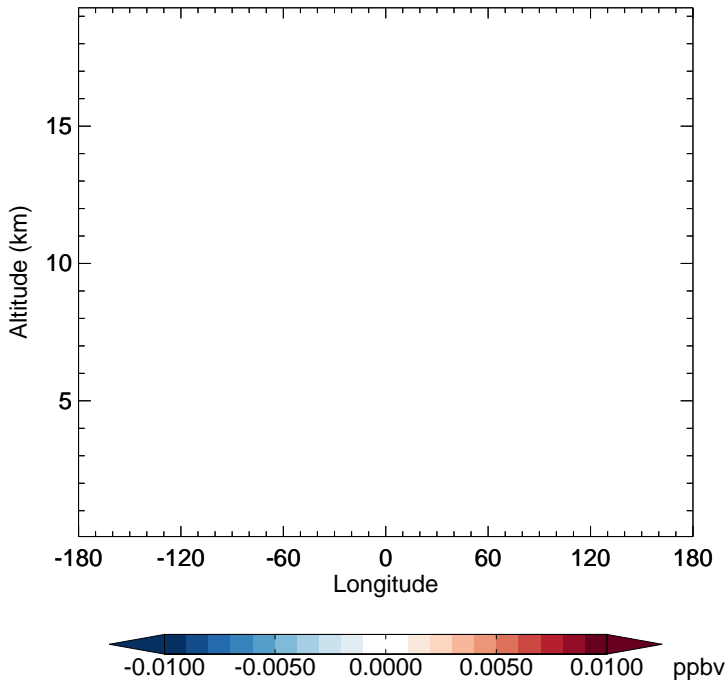
GC\_12.0.0 - v11-02f-Run1  
HOBr - Diff along 15S for Apr



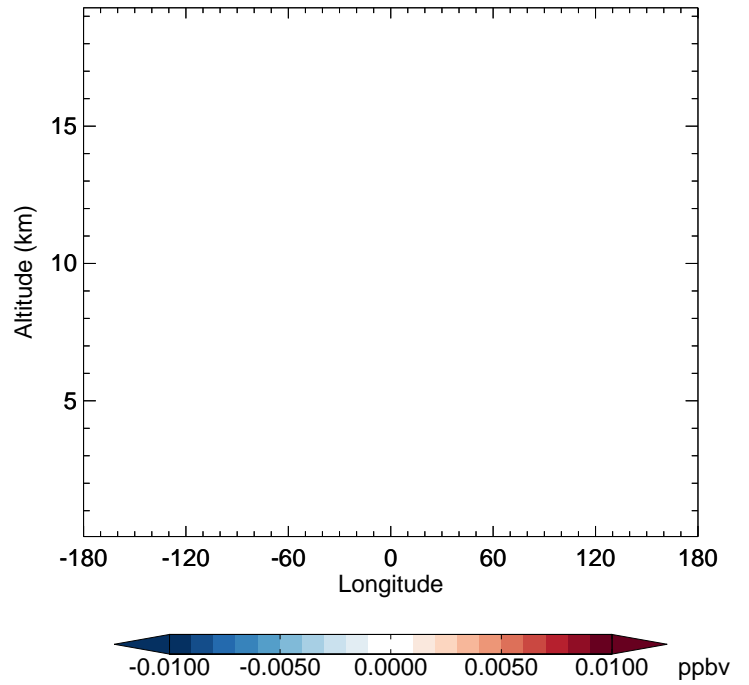
GC\_12.0.0 - v11-02f-Run1  
HOBr - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
HOBr - Diff along 15S for Apr

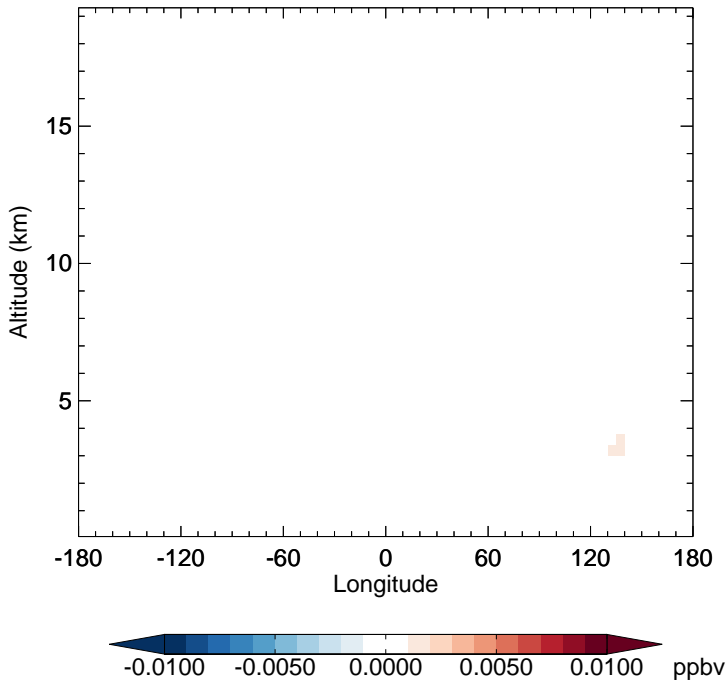


GC\_12.0.0 - v11-02e-Run1  
HOBr - Diff along 42N for Apr

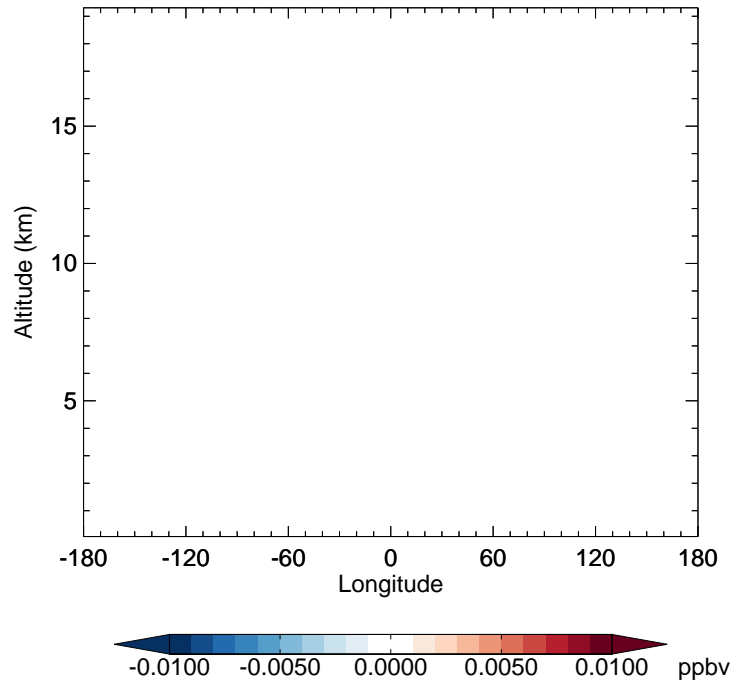


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

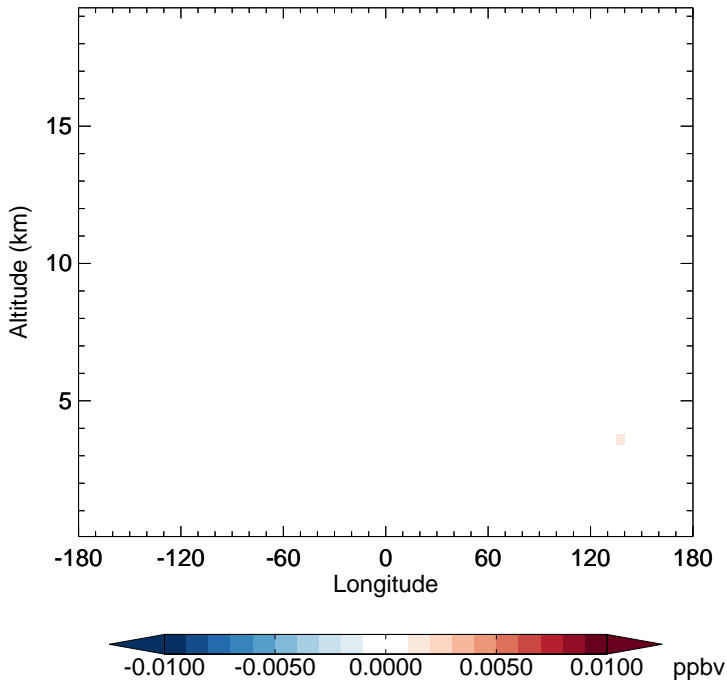
GC\_12.0.0 - v11-02f-Run1  
HBr - Diff along 15S for Apr



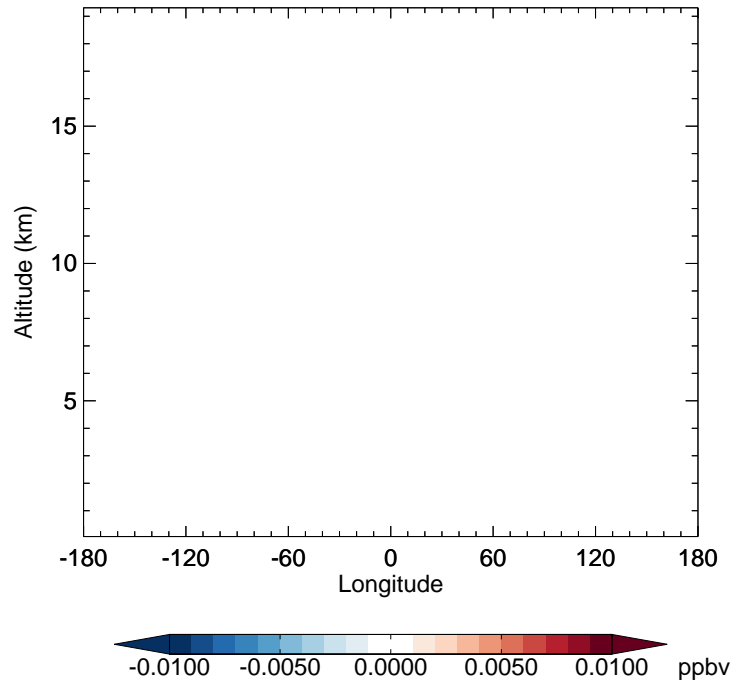
GC\_12.0.0 - v11-02f-Run1  
HBr - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
HBr - Diff along 15S for Apr



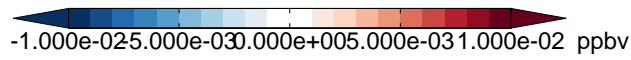
GC\_12.0.0 - v11-02e-Run1  
HBr - Diff along 42N for Apr



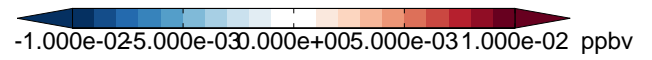
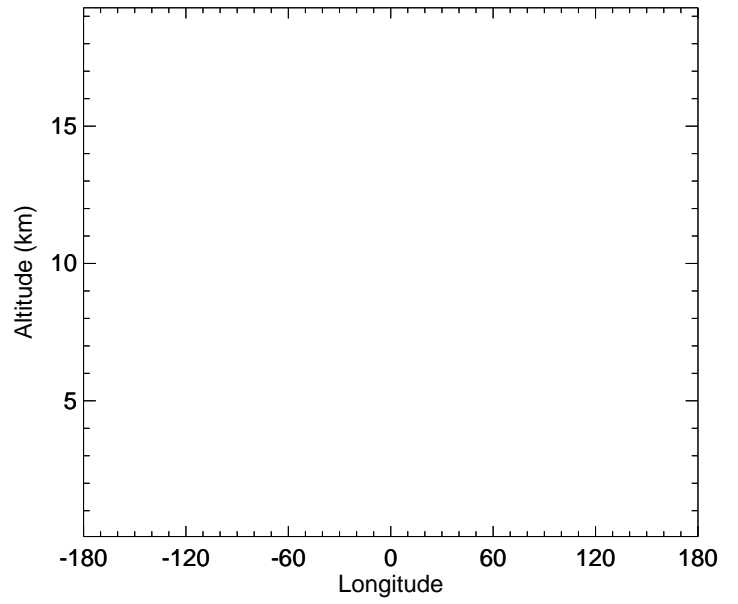


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

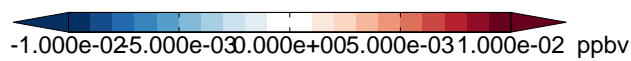
GC\_12.0.0 - v11-02f-Run1  
BrNO2 - Diff along 15S for Apr



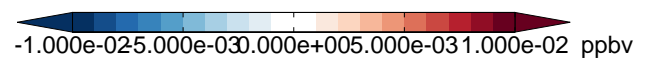
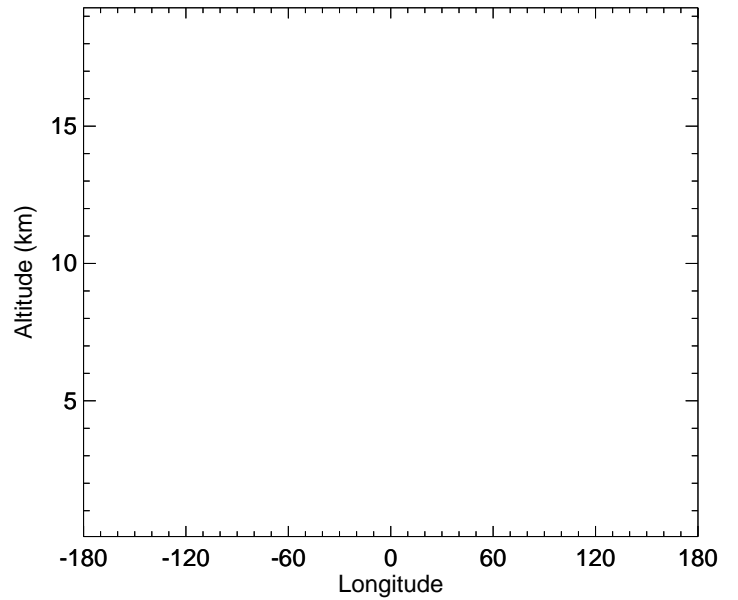
GC\_12.0.0 - v11-02f-Run1  
BrNO2 - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
BrNO2 - Diff along 15S for Apr

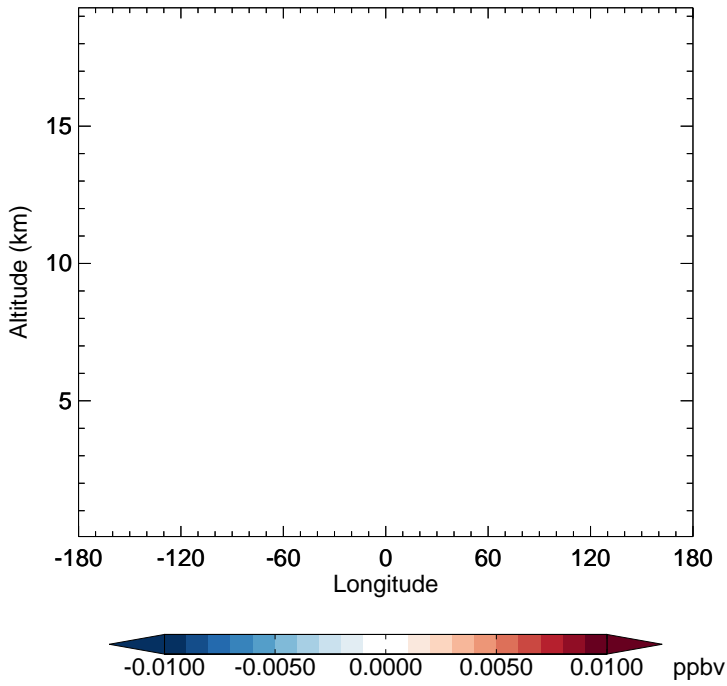


GC\_12.0.0 - v11-02e-Run1  
BrNO2 - Diff along 42N for Apr

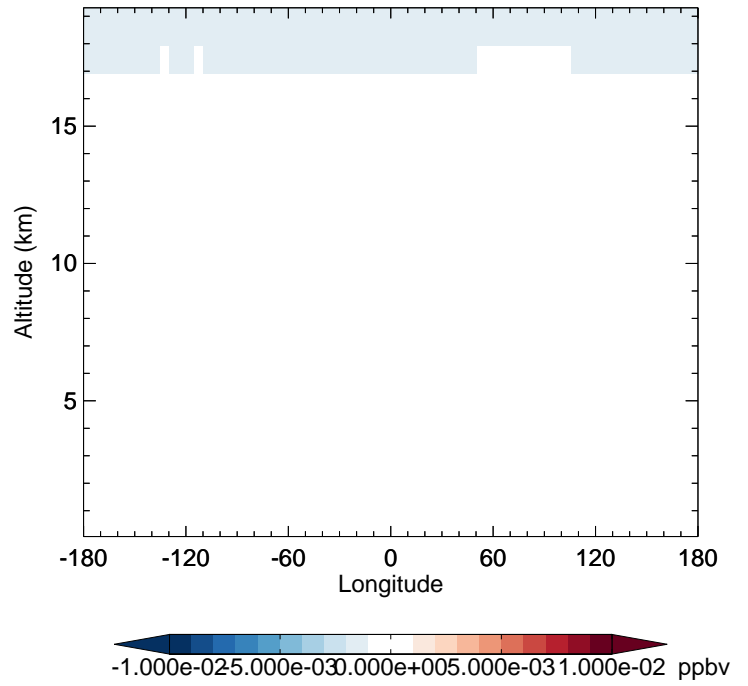


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

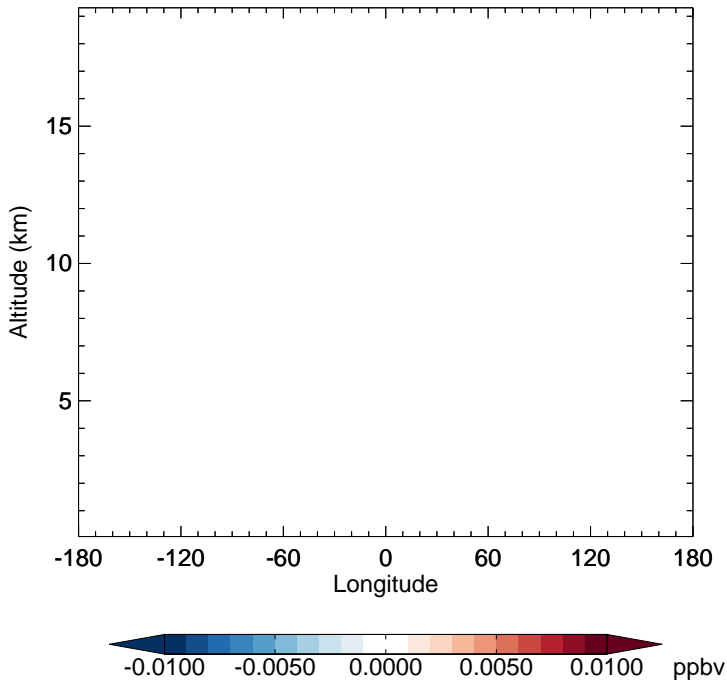
GC\_12.0.0 - v11-02f-Run1  
BrNO3 - Diff along 15S for Apr



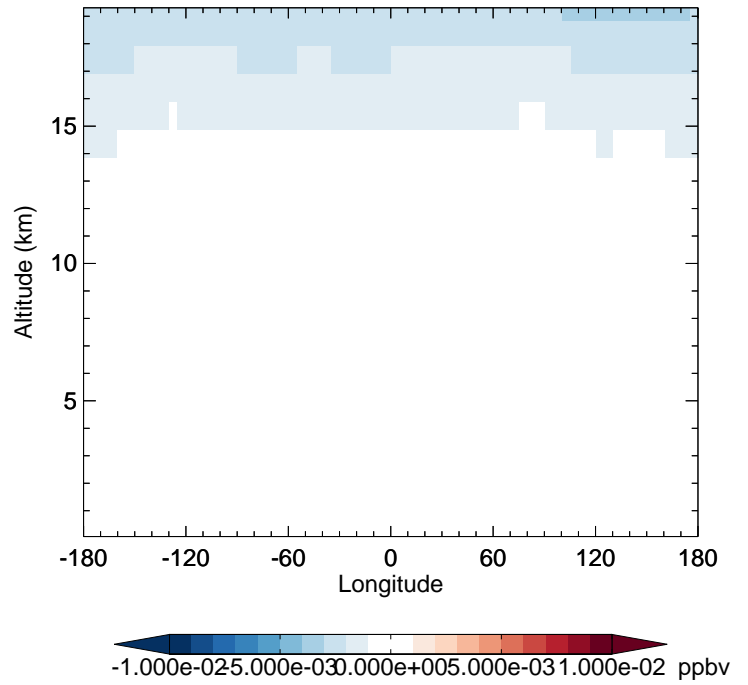
GC\_12.0.0 - v11-02f-Run1  
BrNO3 - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
BrNO3 - Diff along 15S for Apr

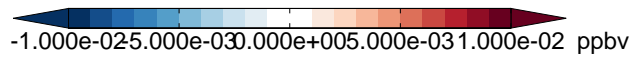


GC\_12.0.0 - v11-02e-Run1  
BrNO3 - Diff along 42N for Apr

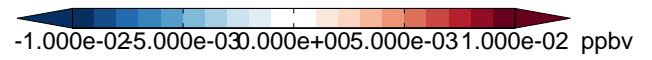
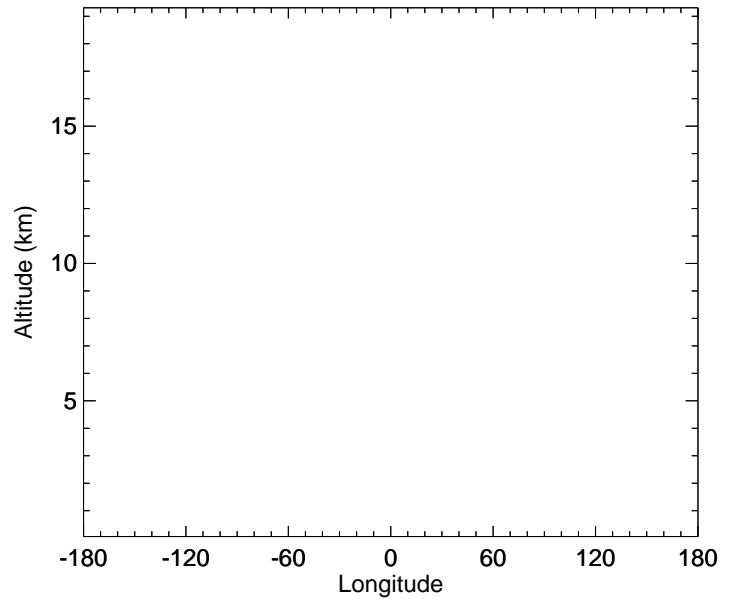


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

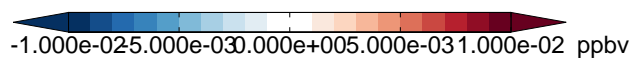
GC\_12.0.0 - v11-02f-Run1  
CHBr3 - Diff along 15S for Apr



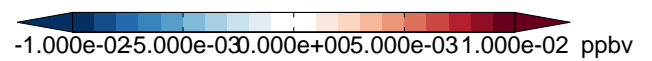
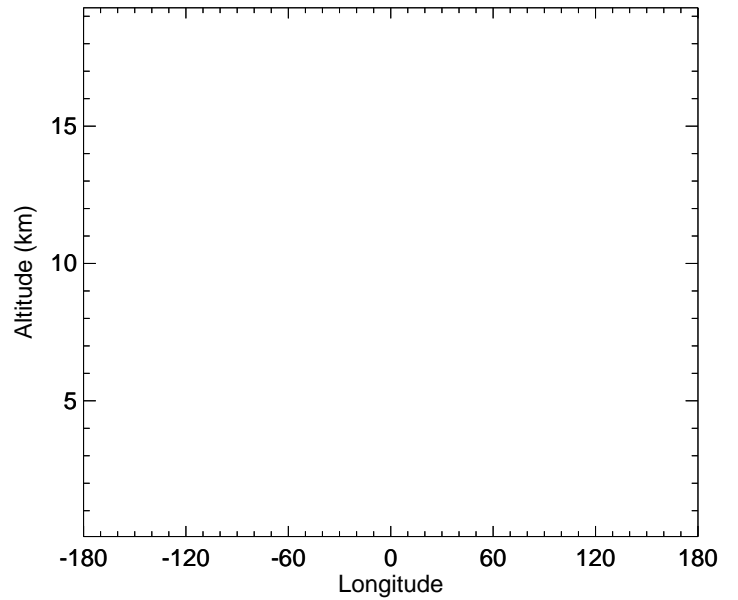
GC\_12.0.0 - v11-02f-Run1  
CHBr3 - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
CHBr3 - Diff along 15S for Apr

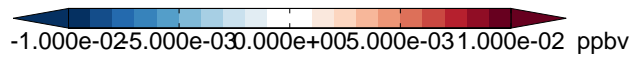


GC\_12.0.0 - v11-02e-Run1  
CHBr3 - Diff along 42N for Apr

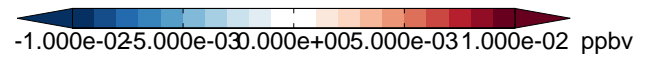
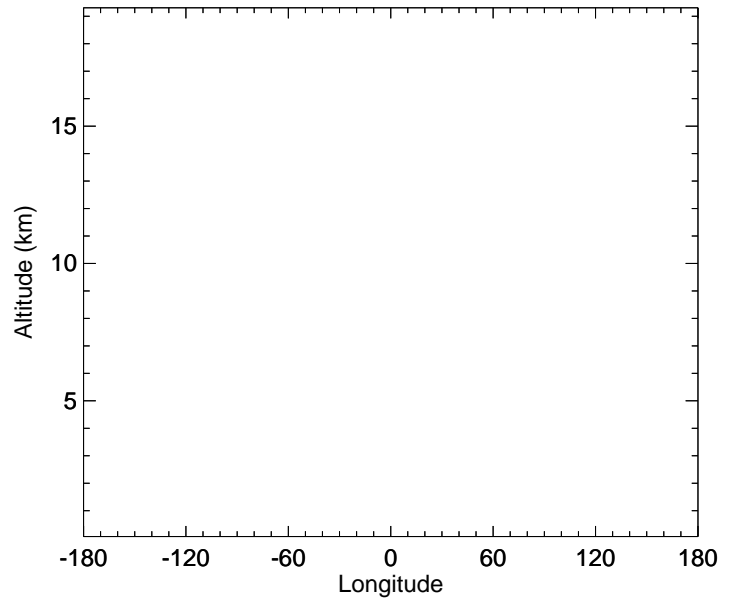


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

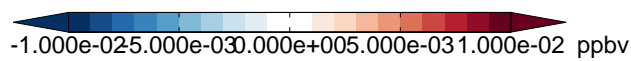
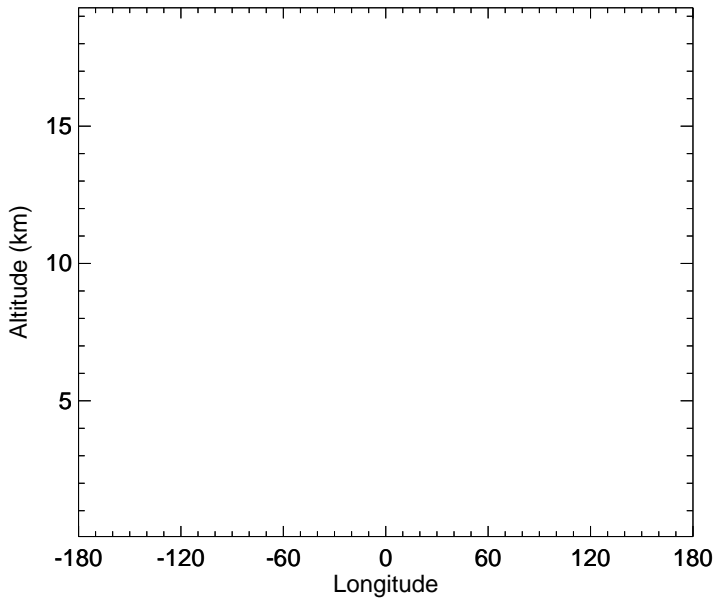
GC\_12.0.0 - v11-02f-Run1  
CH2Br2 - Diff along 15S for Apr



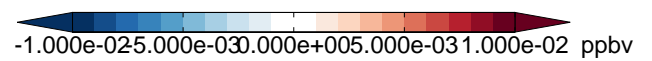
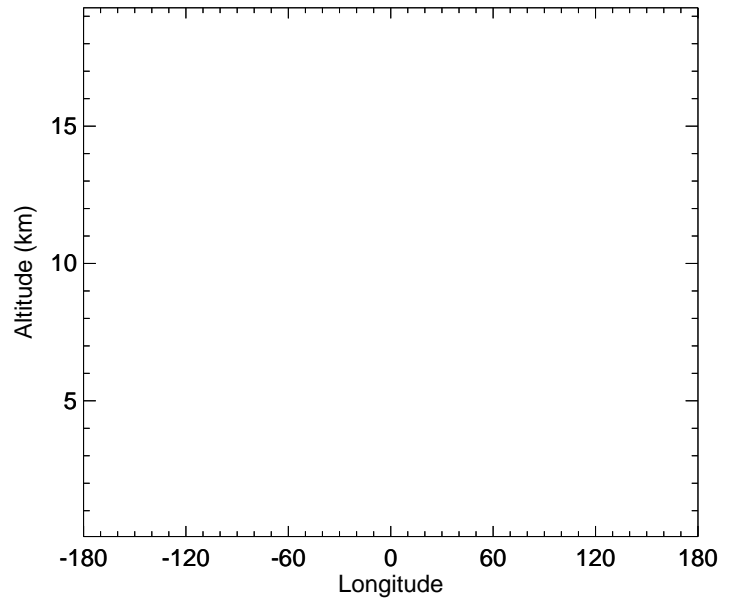
GC\_12.0.0 - v11-02f-Run1  
CH2Br2 - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
CH2Br2 - Diff along 15S for Apr



GC\_12.0.0 - v11-02e-Run1  
CH2Br2 - Diff along 42N for Apr



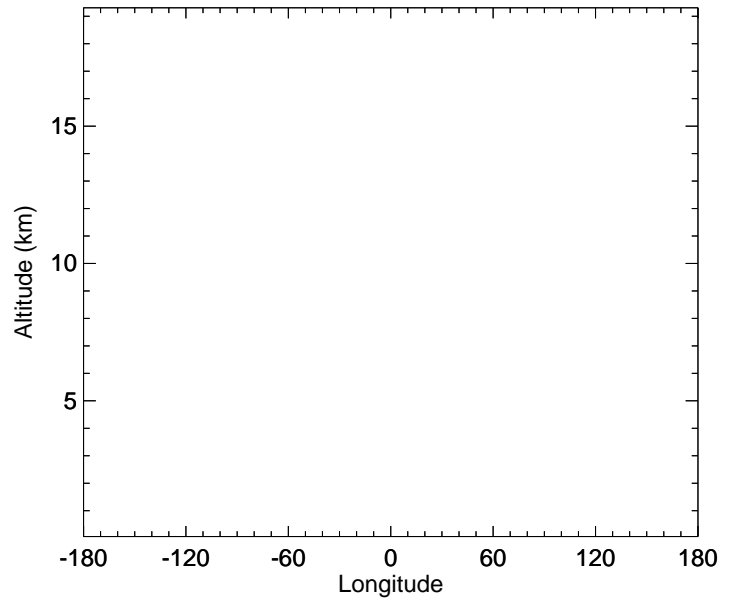
# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

GC\_12.0.0 - v11-02f-Run1  
CH3Br - Diff along 15S for Apr



-1.000e-02 5.000e-03 0.000e+00 5.000e-03 1.000e-02 ppbv

GC\_12.0.0 - v11-02f-Run1  
CH3Br - Diff along 42N for Apr



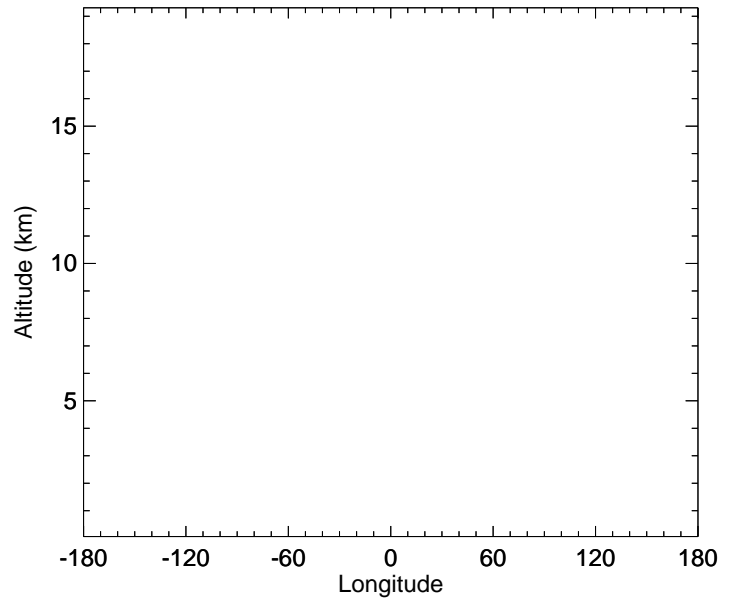
-1.000e-02 5.000e-03 0.000e+00 5.000e-03 1.000e-02 ppbv

GC\_12.0.0 - v11-02e-Run1  
CH3Br - Diff along 15S for Apr



-1.000e-02 5.000e-03 0.000e+00 5.000e-03 1.000e-02 ppbv

GC\_12.0.0 - v11-02e-Run1  
CH3Br - Diff along 42N for Apr



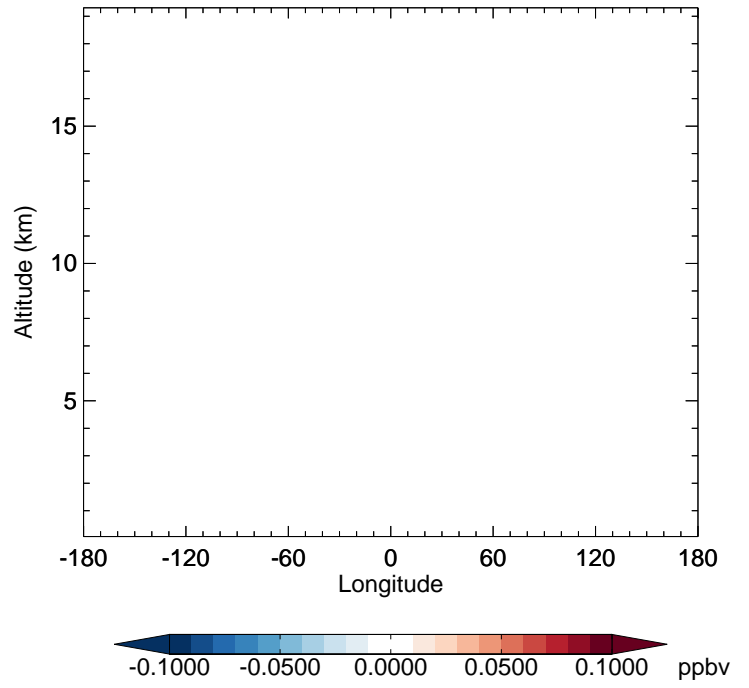
-1.000e-02 5.000e-03 0.000e+00 5.000e-03 1.000e-02 ppbv

# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

GC\_12.0.0 - v11-02f-Run1  
MPN - Diff along 15S for Apr



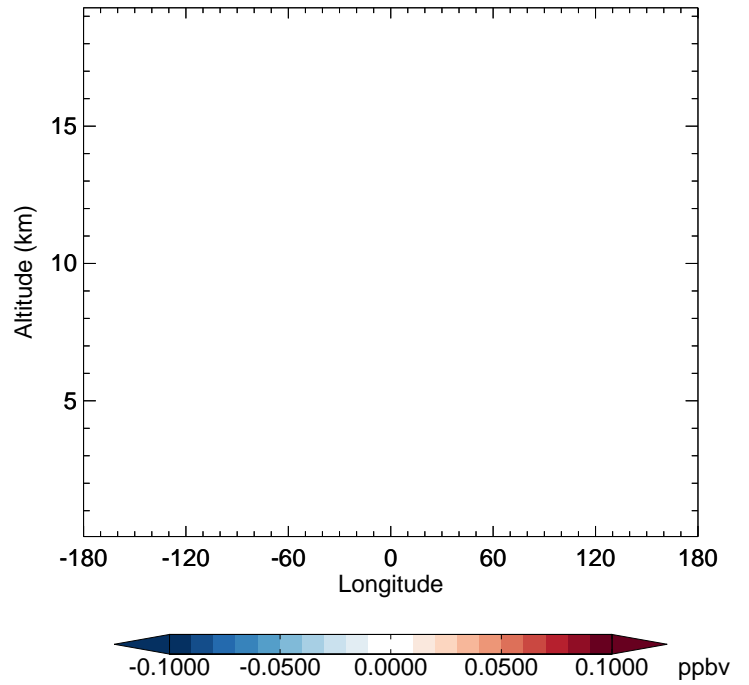
GC\_12.0.0 - v11-02f-Run1  
MPN - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
MPN - Diff along 15S for Apr



GC\_12.0.0 - v11-02e-Run1  
MPN - Diff along 42N for Apr

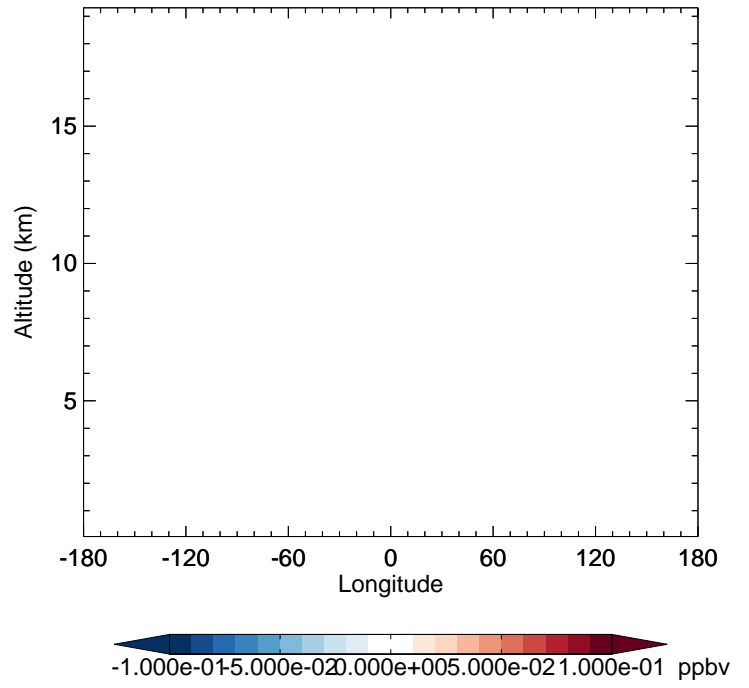


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

GC\_12.0.0 - v11-02f-Run1  
ISOPND - Diff along 15S for Apr



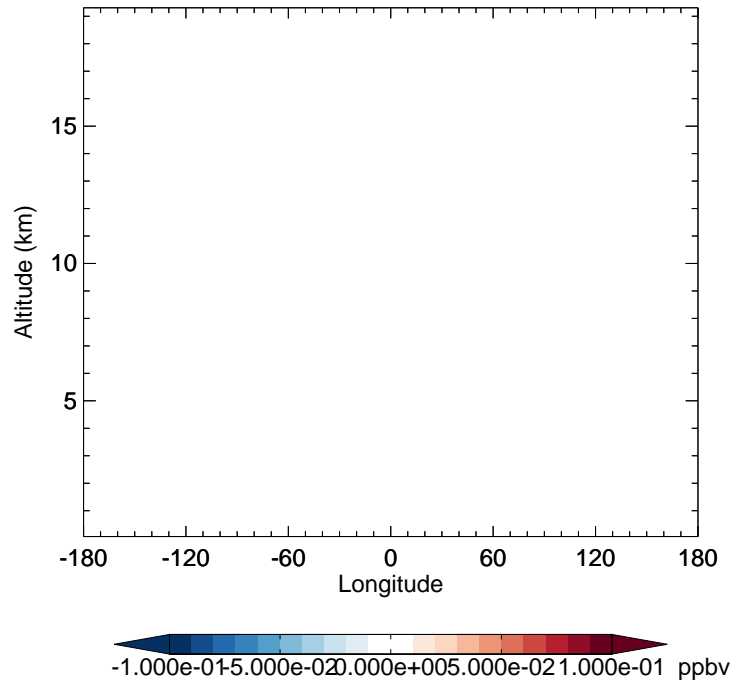
GC\_12.0.0 - v11-02f-Run1  
ISOPND - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
ISOPND - Diff along 15S for Apr



GC\_12.0.0 - v11-02e-Run1  
ISOPND - Diff along 42N for Apr

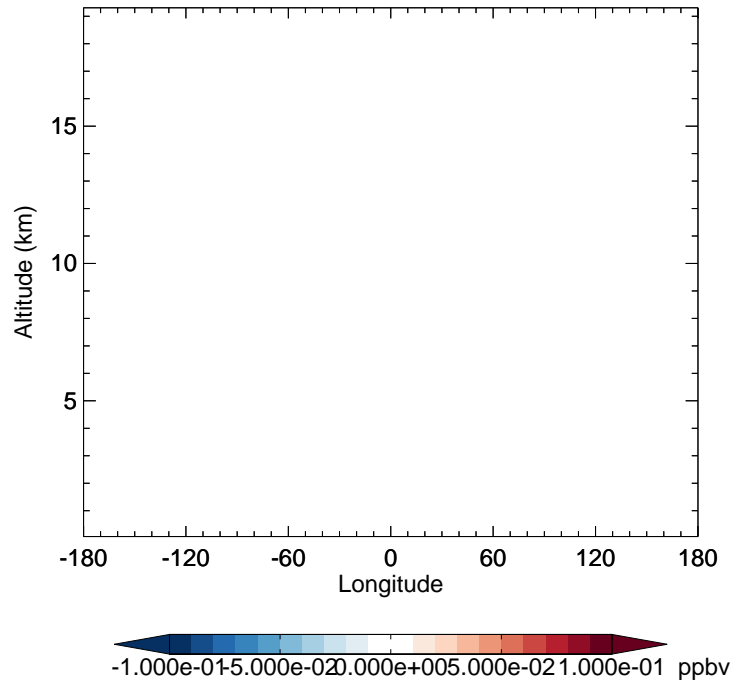


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

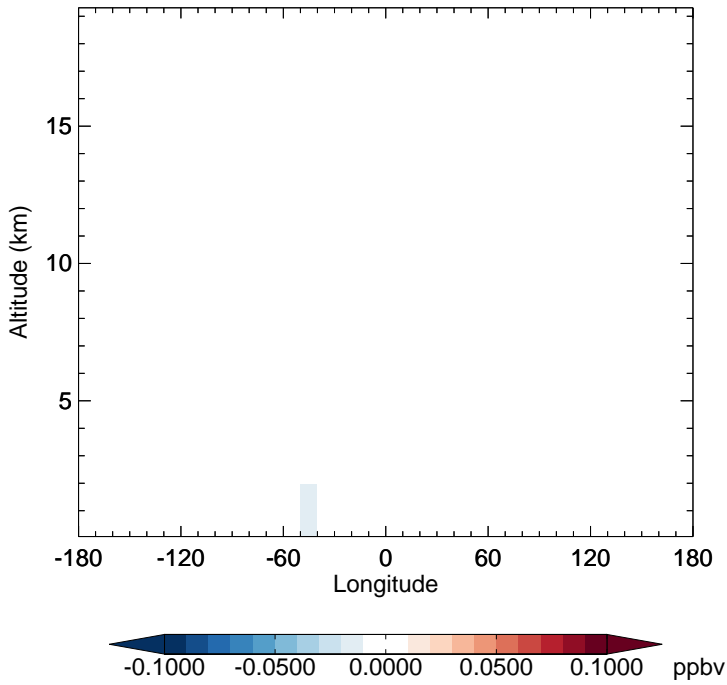
GC\_12.0.0 - v11-02f-Run1  
ISOPNB - Diff along 15S for Apr



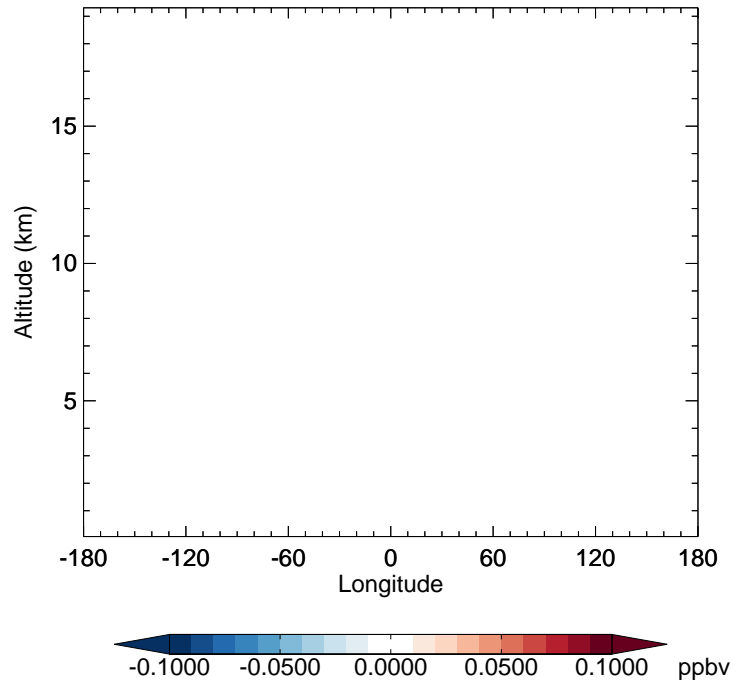
GC\_12.0.0 - v11-02f-Run1  
ISOPNB - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
ISOPNB - Diff along 15S for Apr



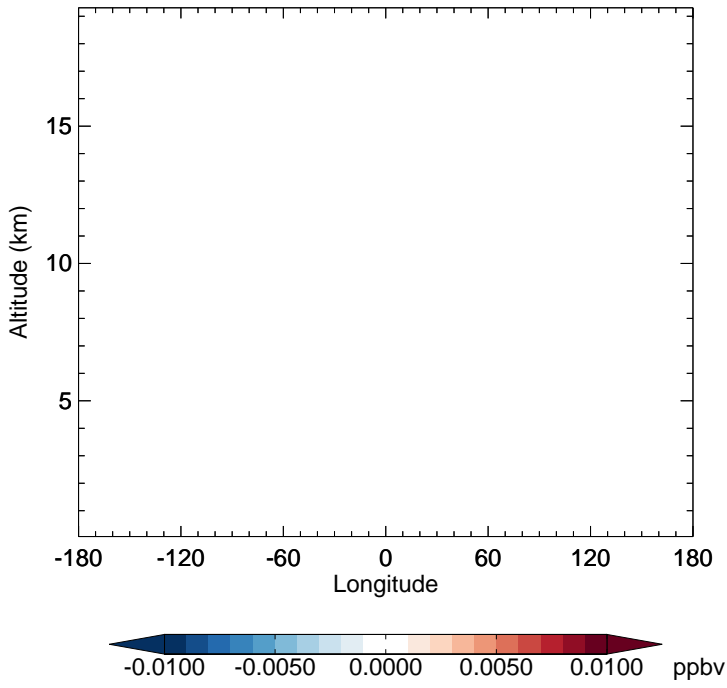
GC\_12.0.0 - v11-02e-Run1  
ISOPNB - Diff along 42N for Apr



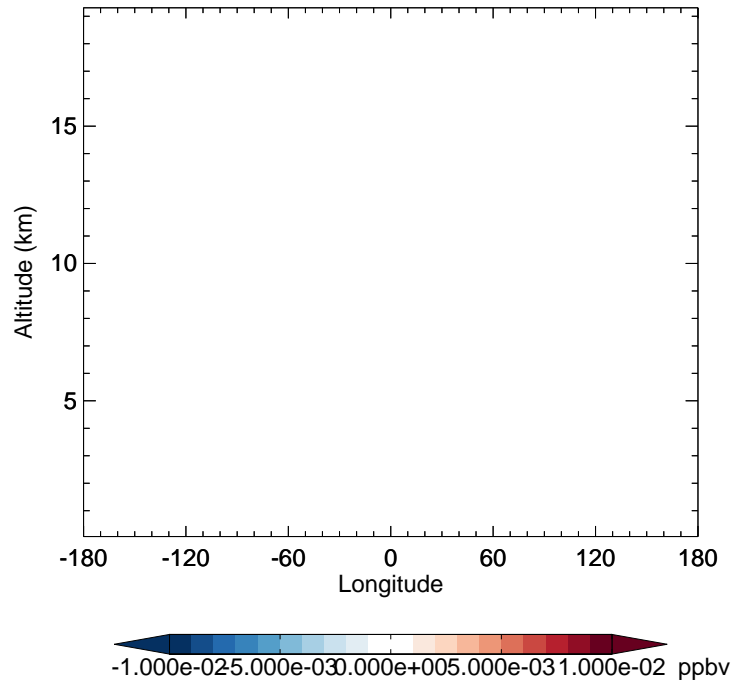


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

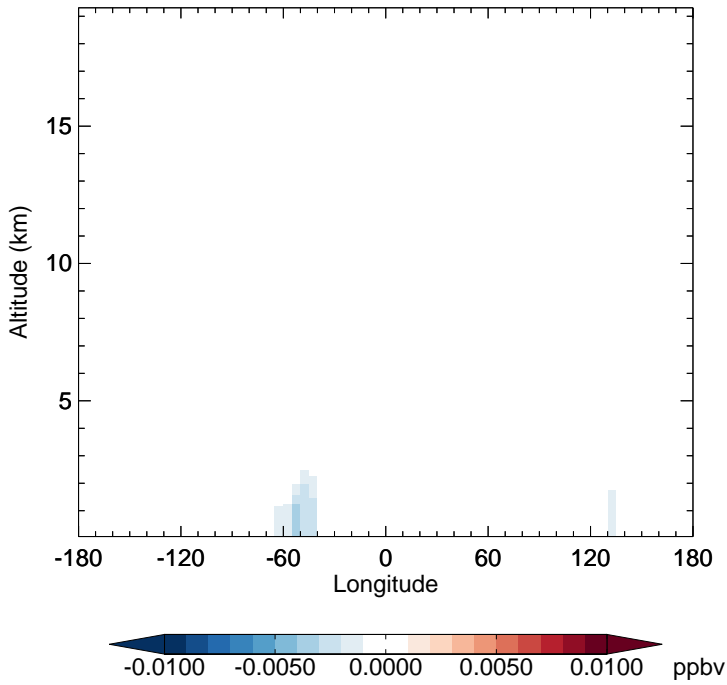
GC\_12.0.0 - v11-02f-Run1  
MOBA - Diff along 15S for Apr



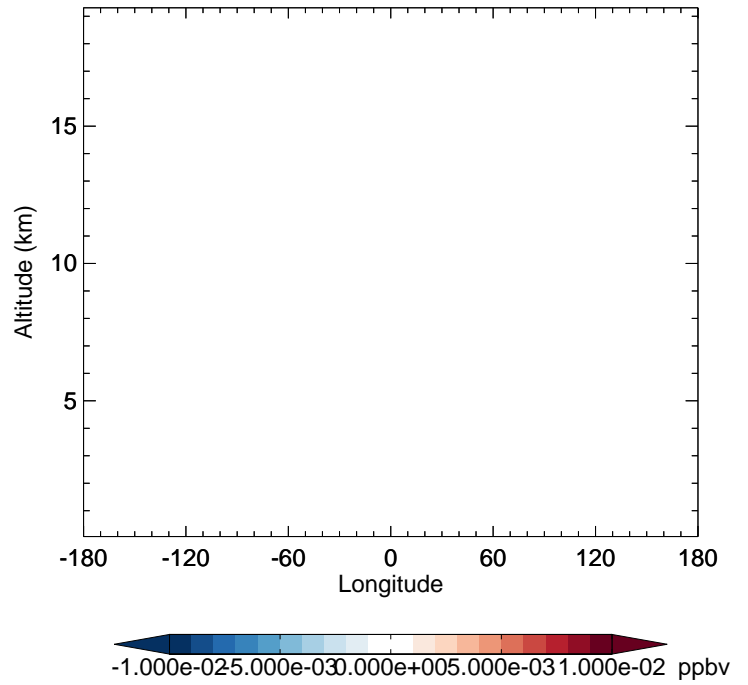
GC\_12.0.0 - v11-02f-Run1  
MOBA - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
MOBA - Diff along 15S for Apr



GC\_12.0.0 - v11-02e-Run1  
MOBA - Diff along 42N for Apr

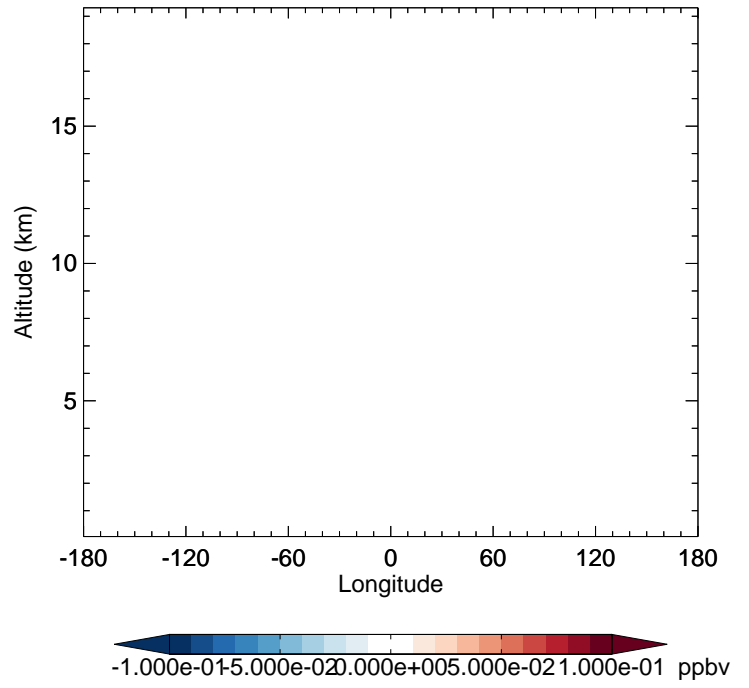


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

GC\_12.0.0 - v11-02f-Run1  
PROPNN - Diff along 15S for Apr



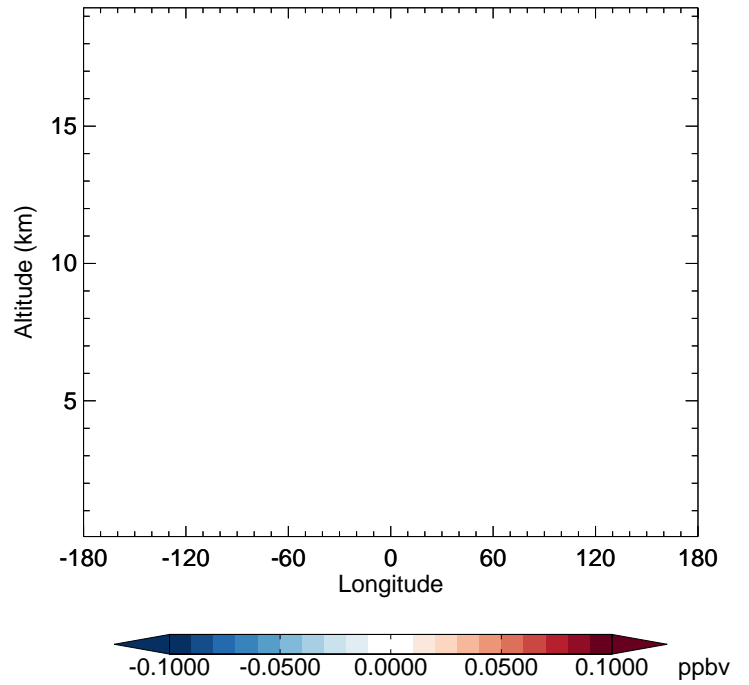
GC\_12.0.0 - v11-02f-Run1  
PROPNN - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
PROPNN - Diff along 15S for Apr

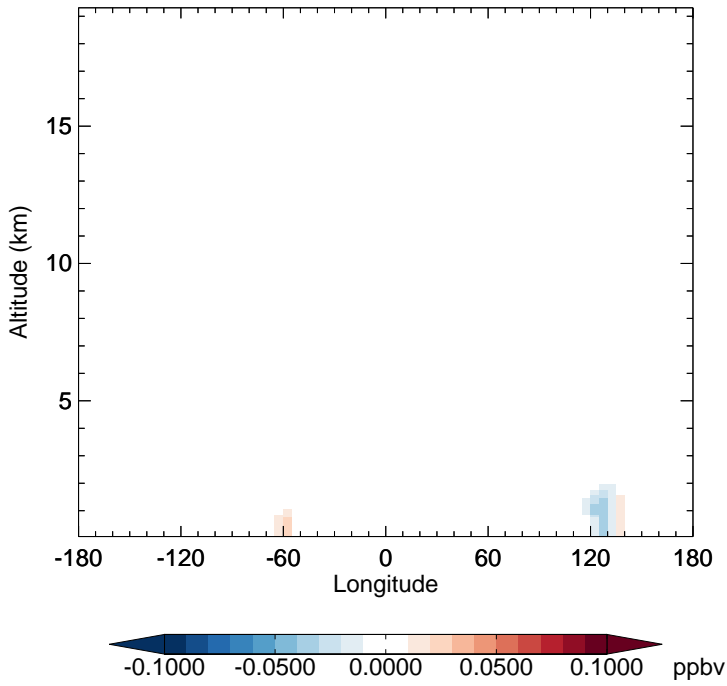


GC\_12.0.0 - v11-02e-Run1  
PROPNN - Diff along 42N for Apr

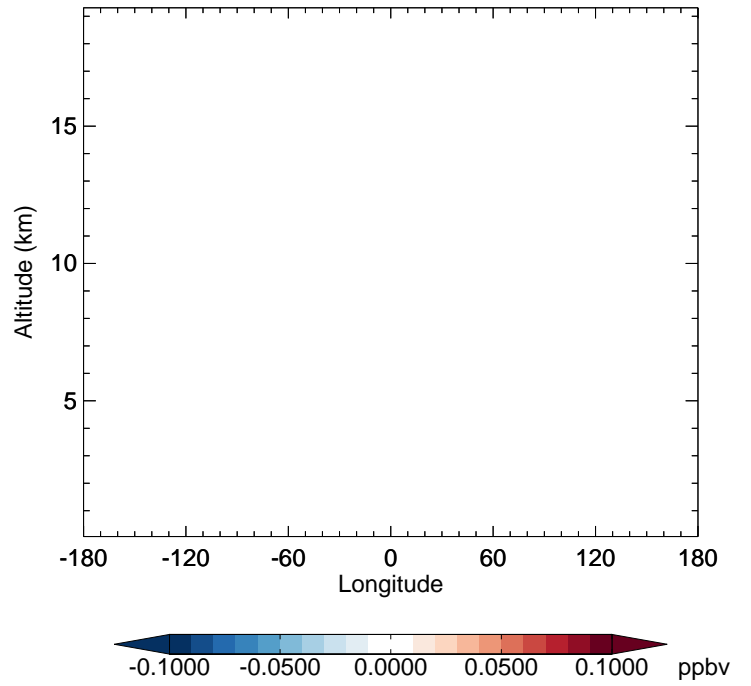


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

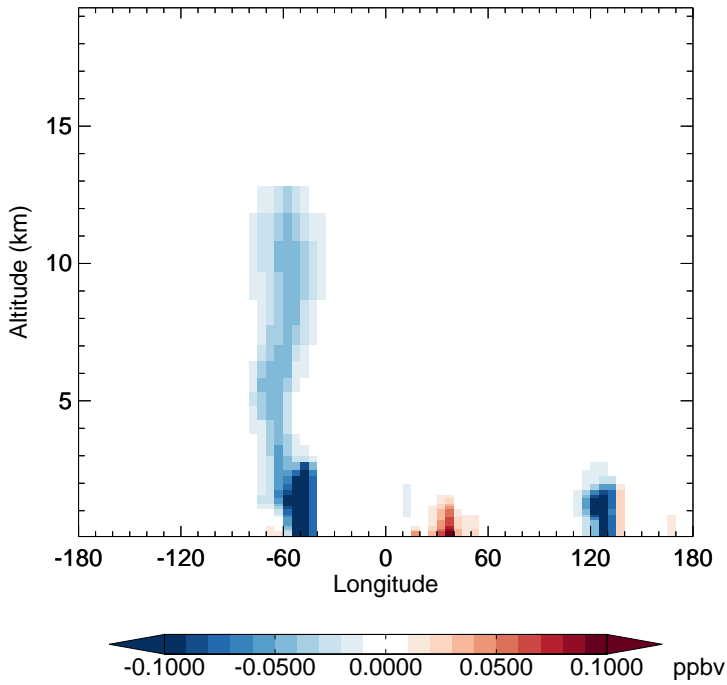
GC\_12.0.0 - v11-02f-Run1  
HAC - Diff along 15S for Apr



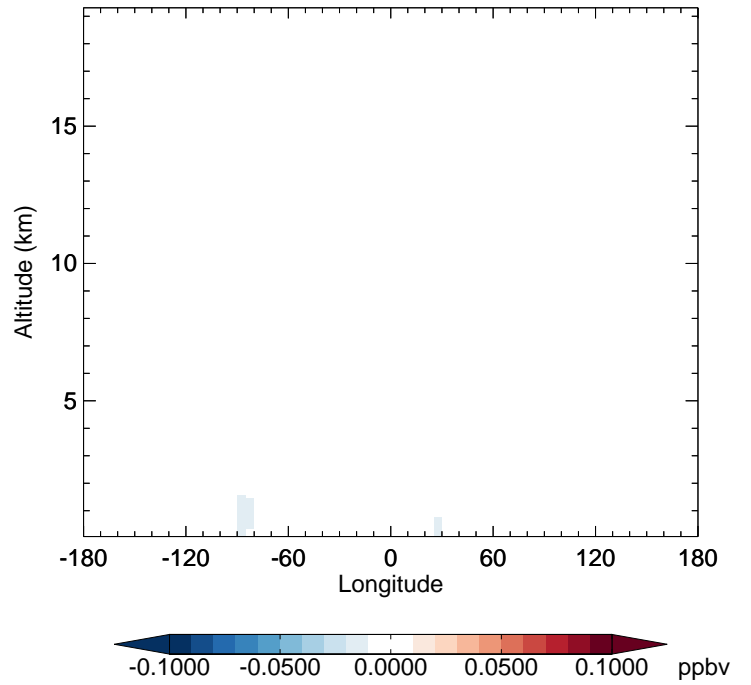
GC\_12.0.0 - v11-02f-Run1  
HAC - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
HAC - Diff along 15S for Apr

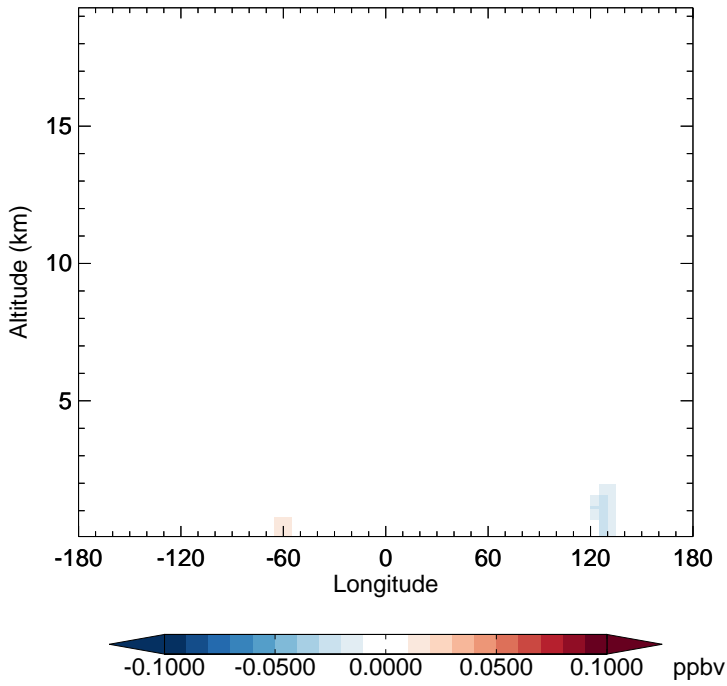


GC\_12.0.0 - v11-02e-Run1  
HAC - Diff along 42N for Apr

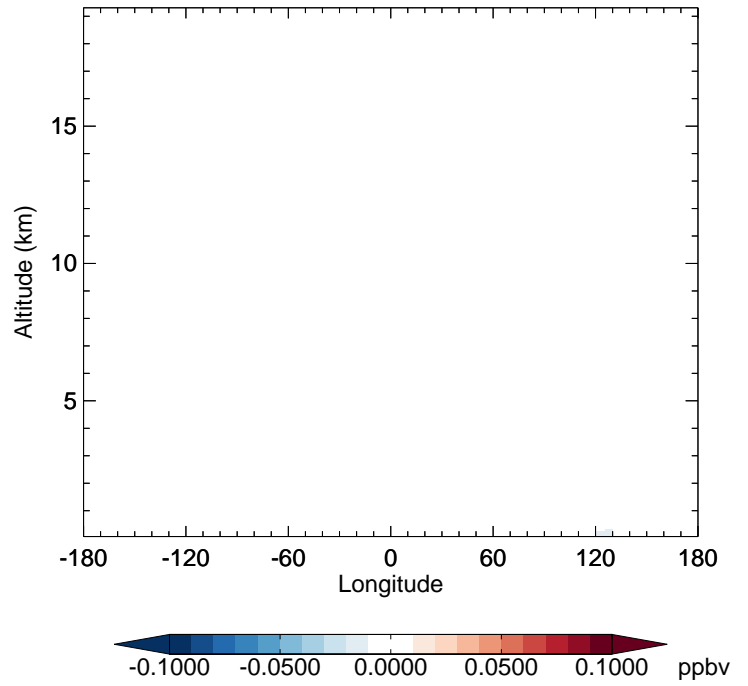


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

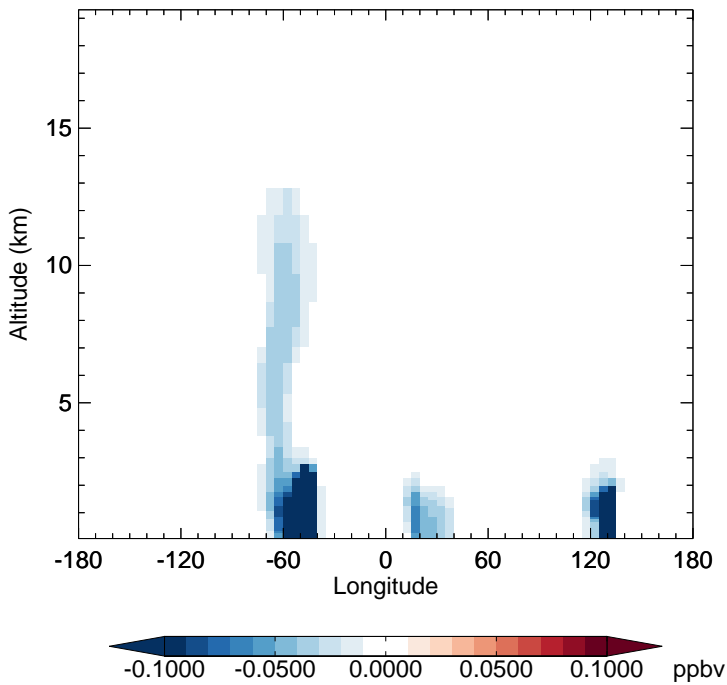
GC\_12.0.0 - v11-02f-Run1  
GLYC - Diff along 15S for Apr



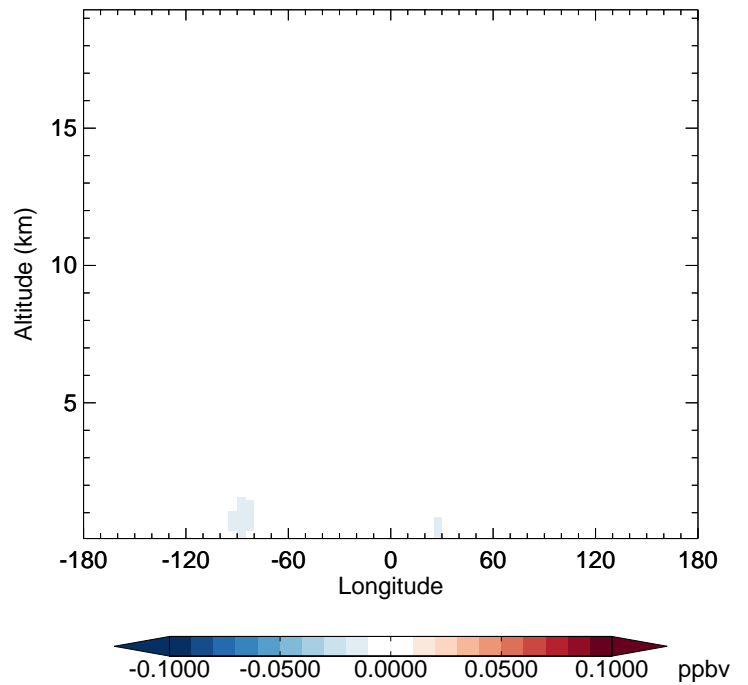
GC\_12.0.0 - v11-02f-Run1  
GLYC - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
GLYC - Diff along 15S for Apr

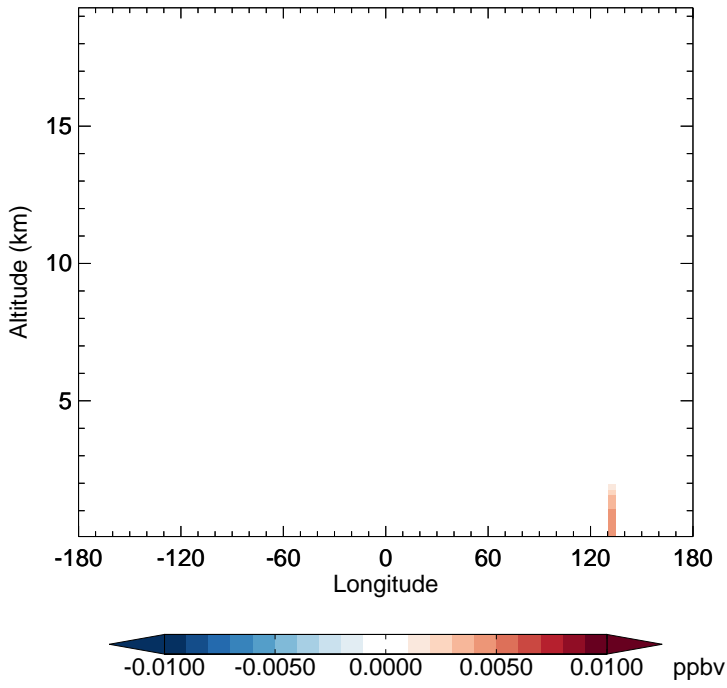


GC\_12.0.0 - v11-02e-Run1  
GLYC - Diff along 42N for Apr

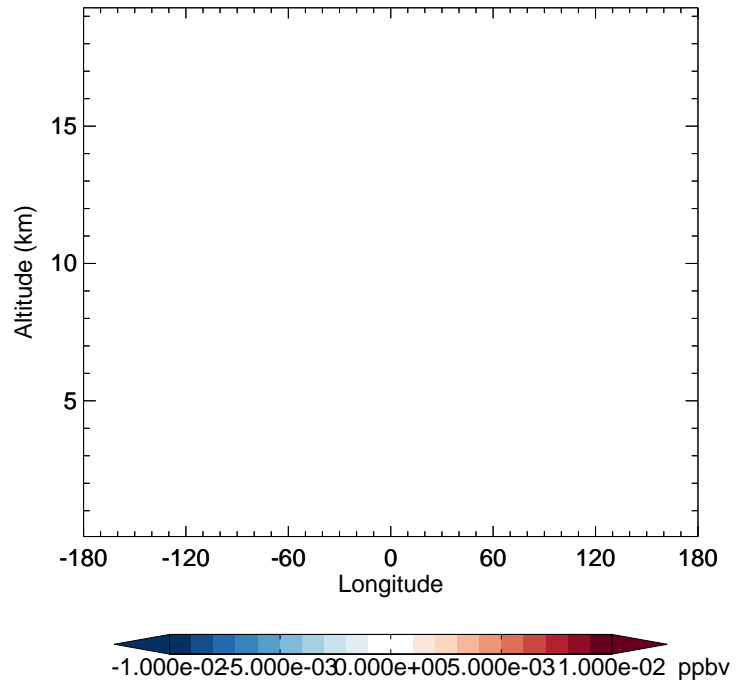


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

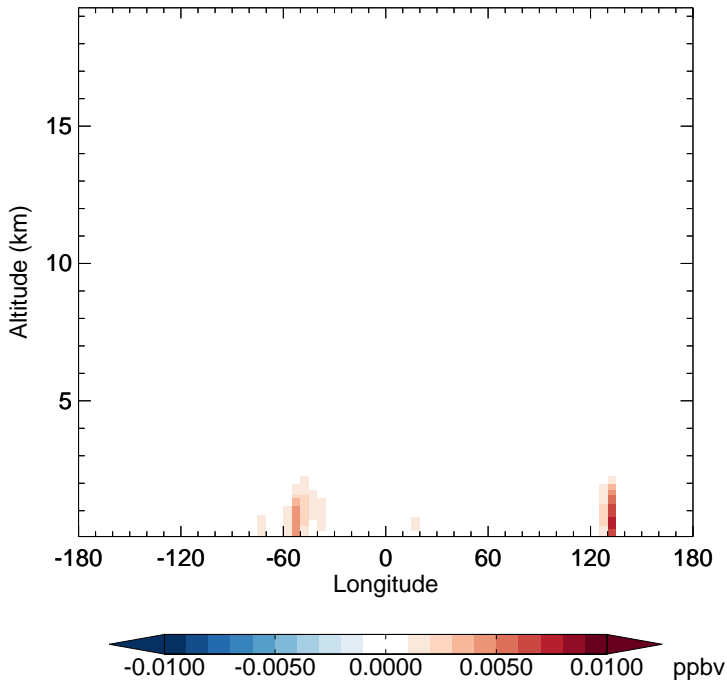
GC\_12.0.0 - v11-02f-Run1  
MVKN - Diff along 15S for Apr



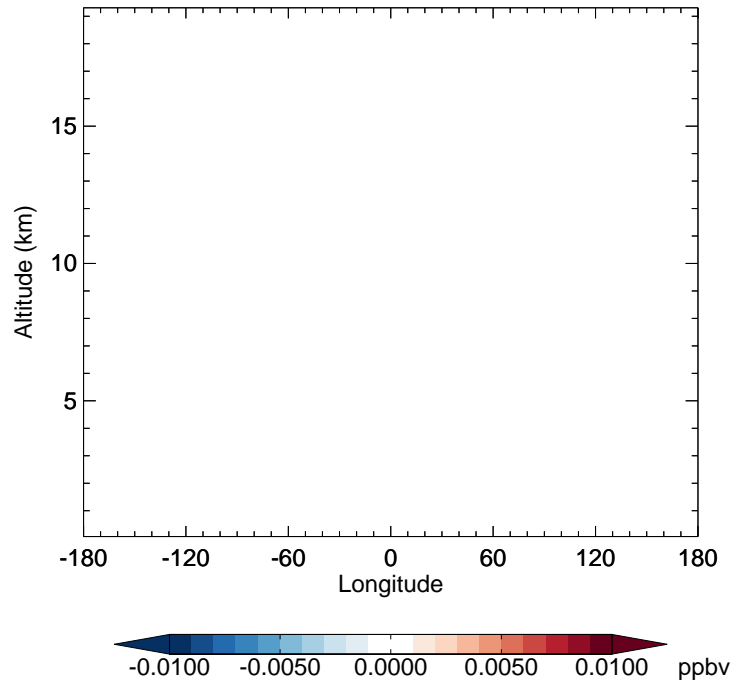
GC\_12.0.0 - v11-02f-Run1  
MVKN - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
MVKN - Diff along 15S for Apr



GC\_12.0.0 - v11-02e-Run1  
MVKN - Diff along 42N for Apr

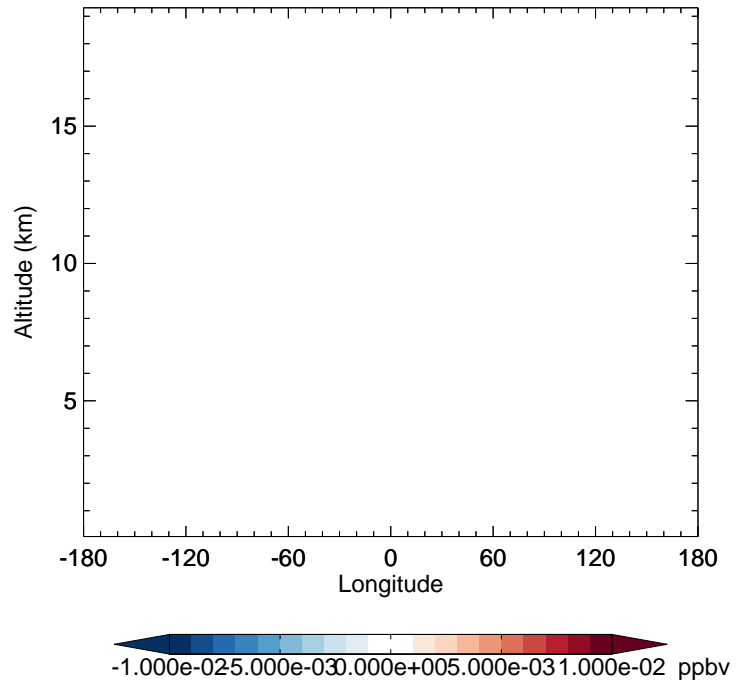


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

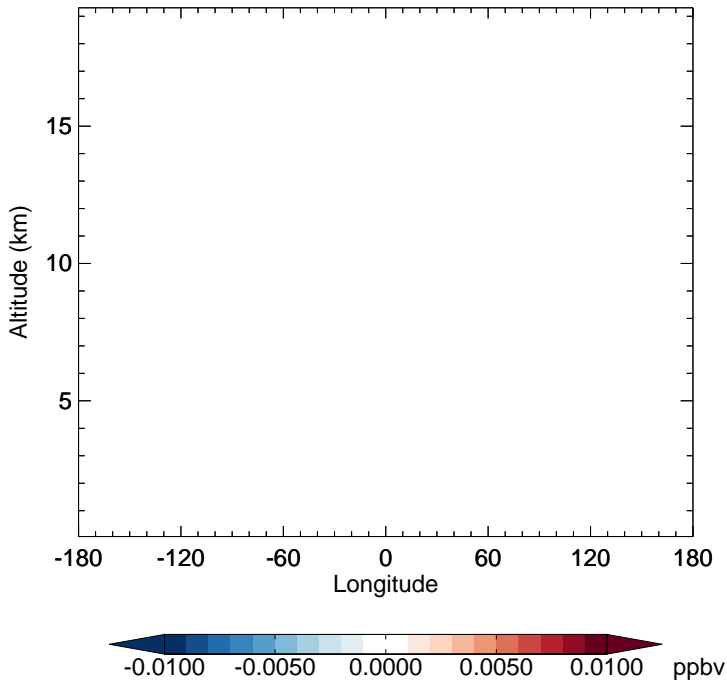
GC\_12.0.0 - v11-02f-Run1  
MACRN - Diff along 15S for Apr



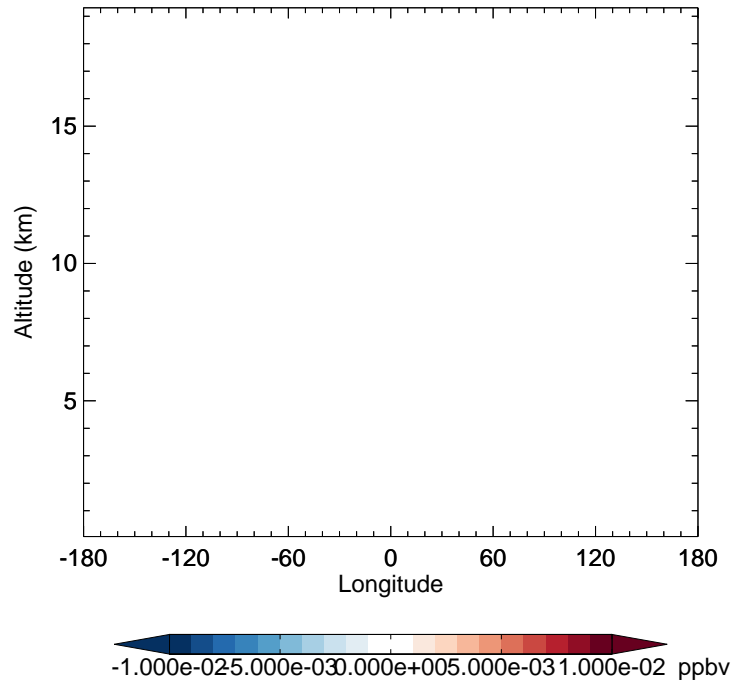
GC\_12.0.0 - v11-02f-Run1  
MACRN - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
MACRN - Diff along 15S for Apr

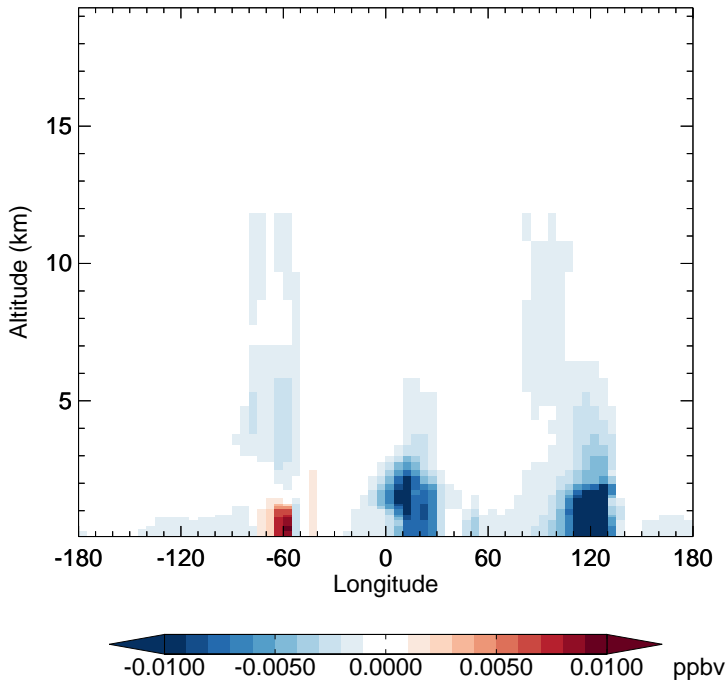


GC\_12.0.0 - v11-02e-Run1  
MACRN - Diff along 42N for Apr

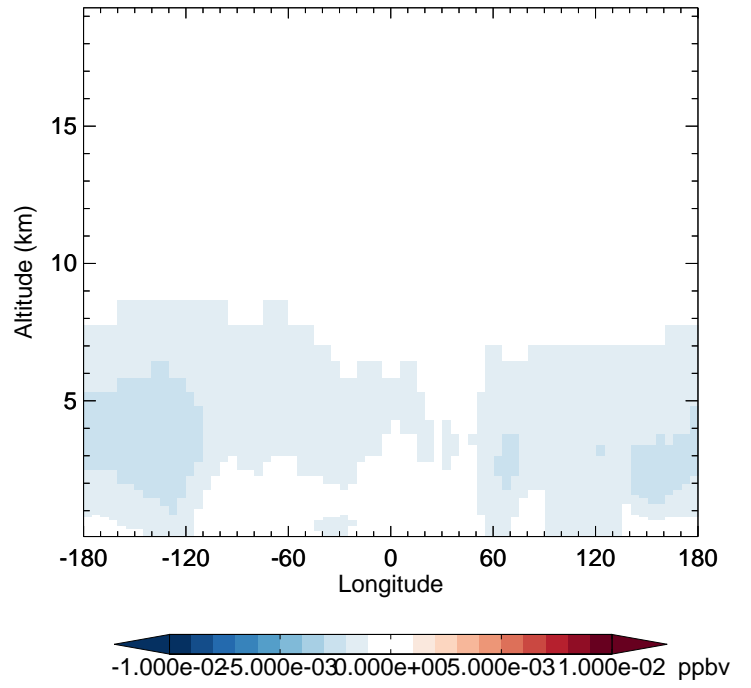


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

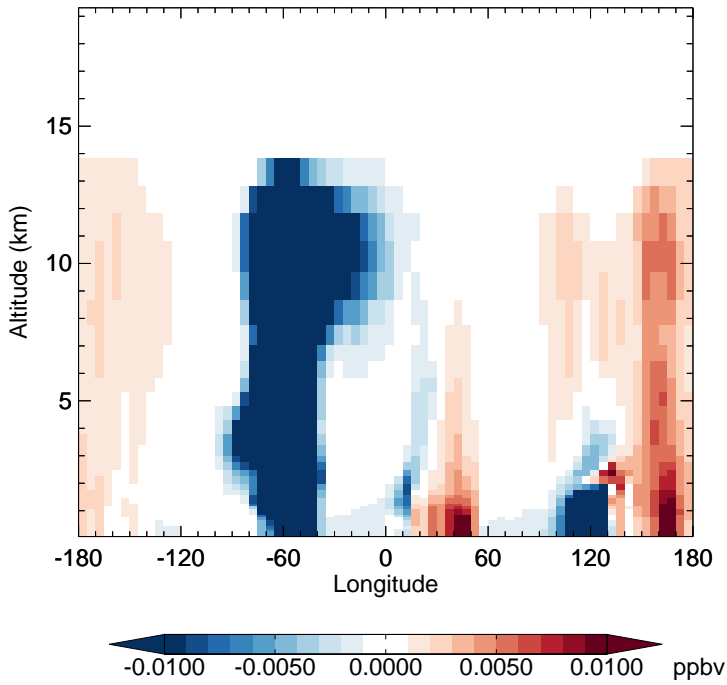
GC\_12.0.0 - v11-02f-Run1  
MAP - Diff along 15S for Apr



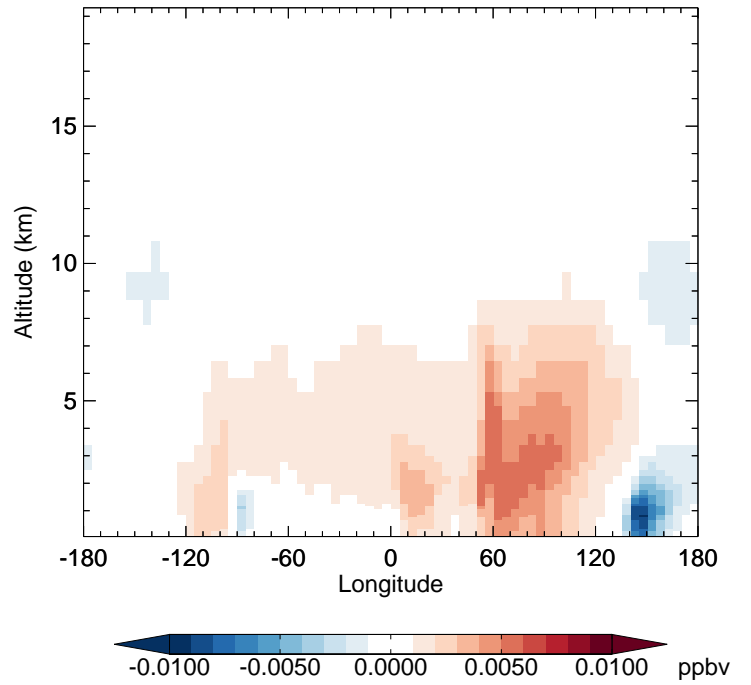
GC\_12.0.0 - v11-02f-Run1  
MAP - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
MAP - Diff along 15S for Apr

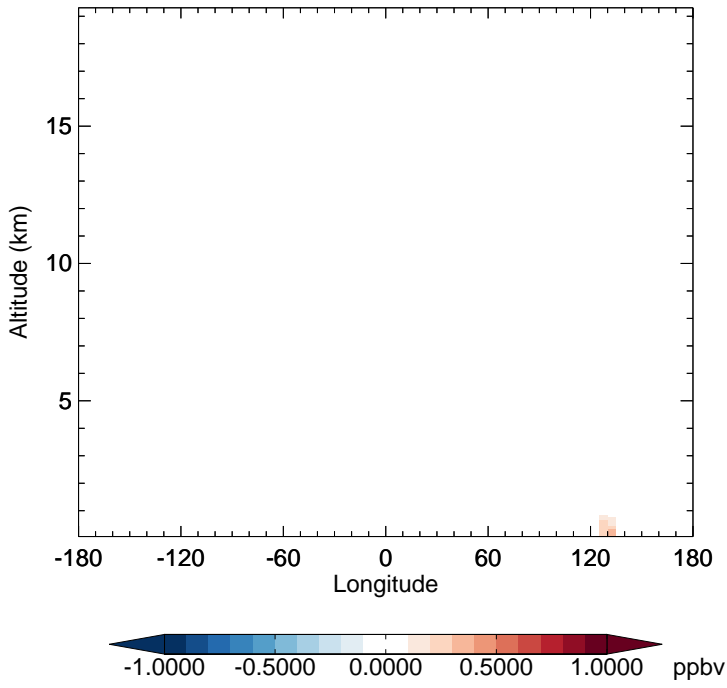


GC\_12.0.0 - v11-02e-Run1  
MAP - Diff along 42N for Apr

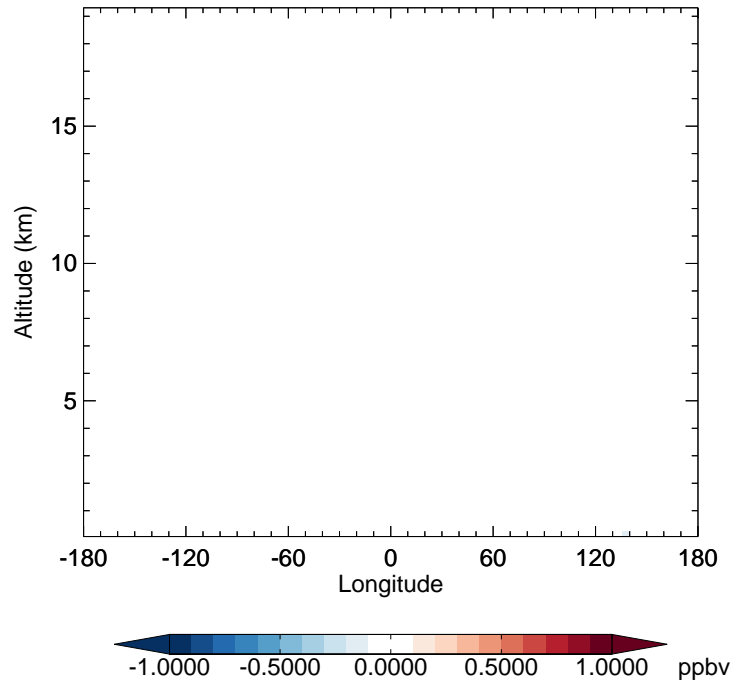


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

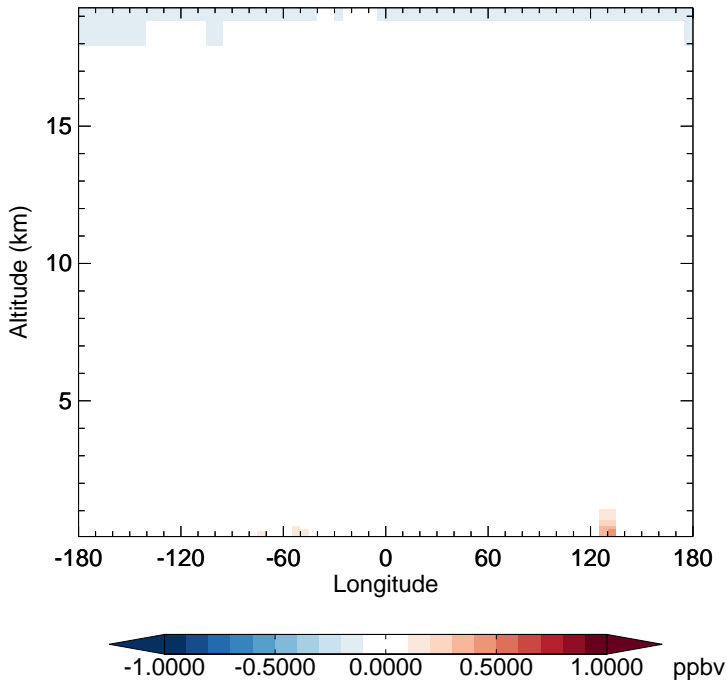
GC\_12.0.0 - v11-02f-Run1  
NO2 - Diff along 15S for Apr



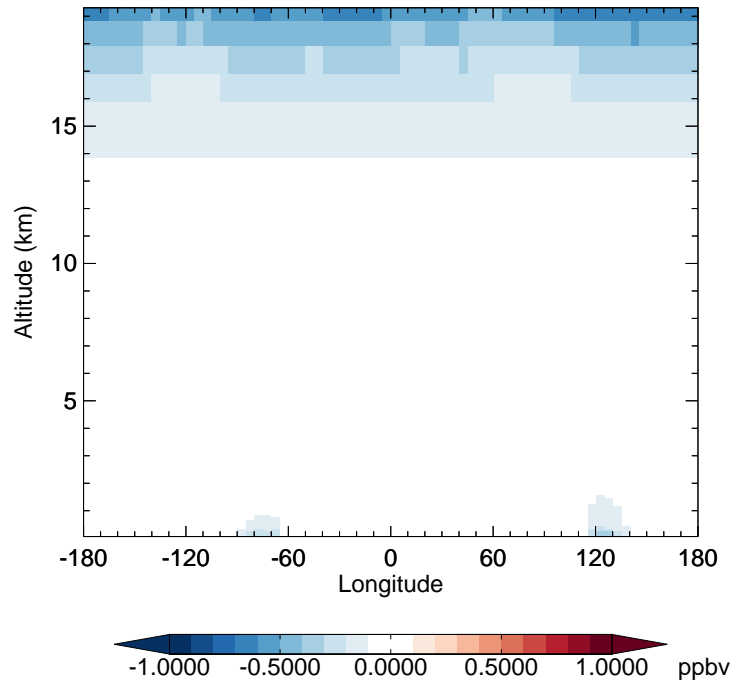
GC\_12.0.0 - v11-02f-Run1  
NO2 - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
NO2 - Diff along 15S for Apr



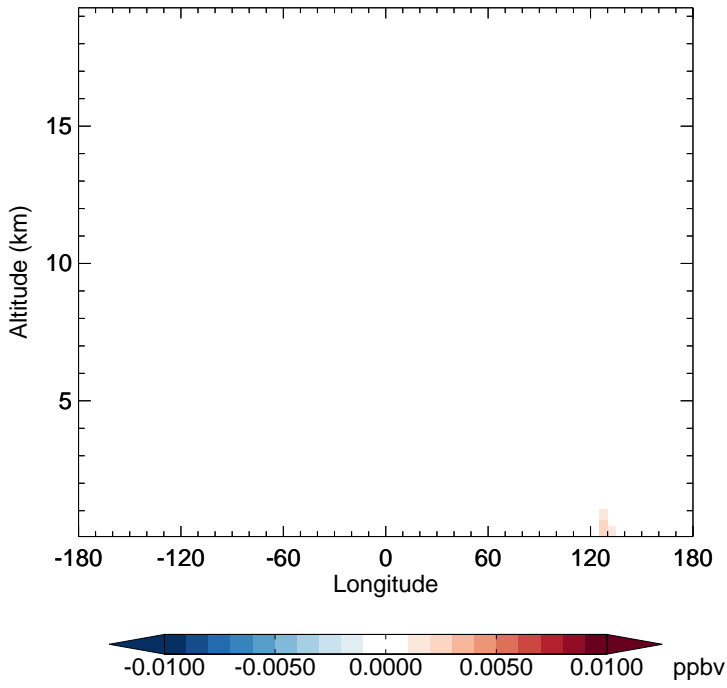
GC\_12.0.0 - v11-02e-Run1  
NO2 - Diff along 42N for Apr



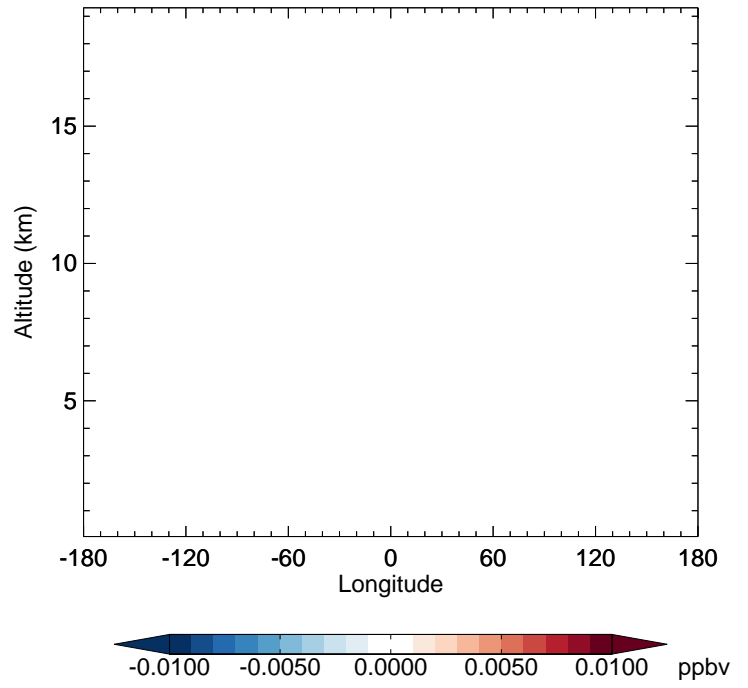


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

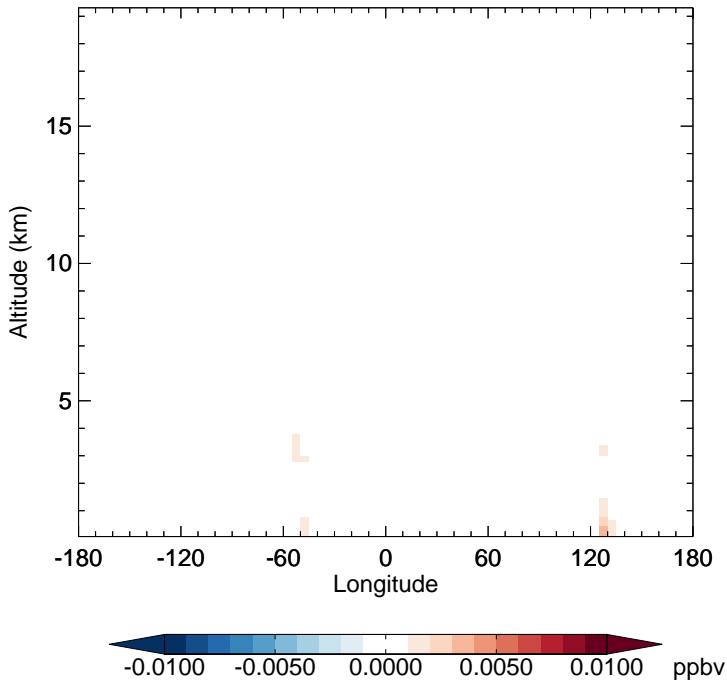
GC\_12.0.0 - v11-02f-Run1  
NO3 - Diff along 15S for Apr



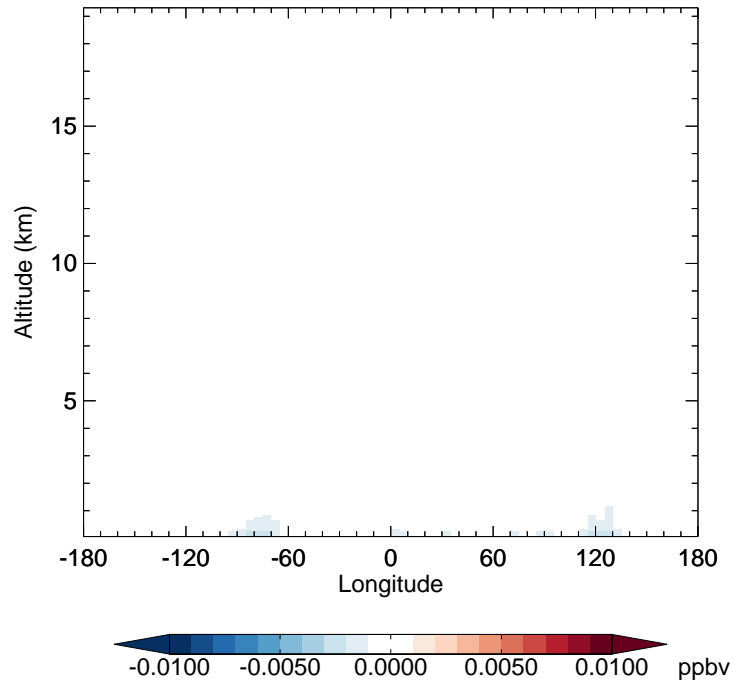
GC\_12.0.0 - v11-02f-Run1  
NO3 - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
NO3 - Diff along 15S for Apr

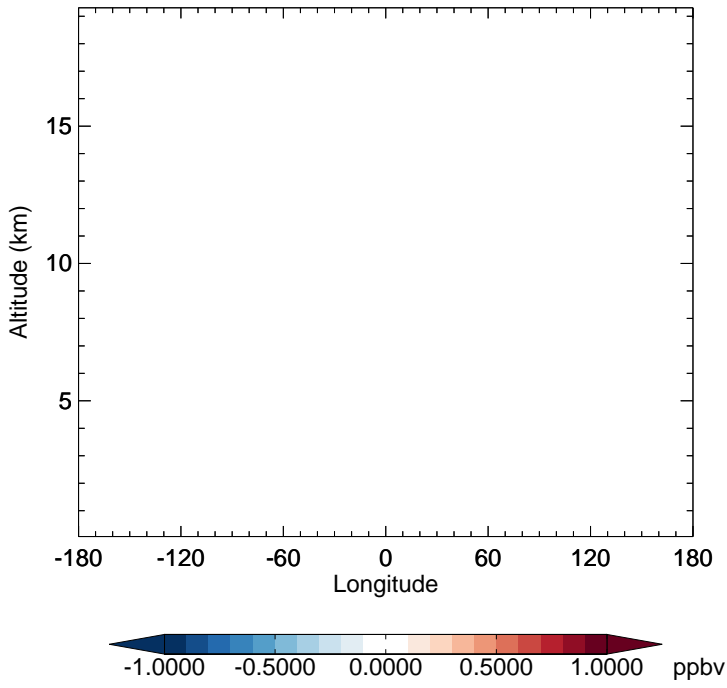


GC\_12.0.0 - v11-02e-Run1  
NO3 - Diff along 42N for Apr

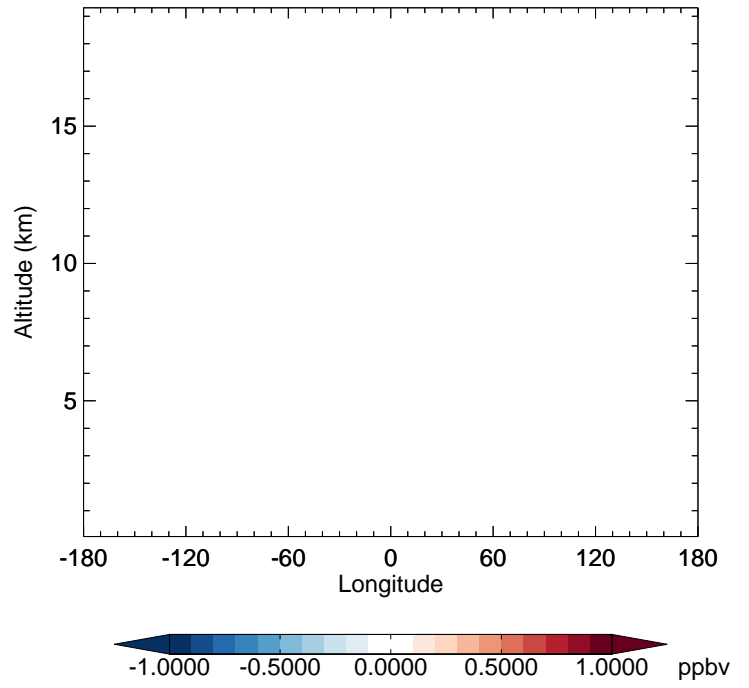


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

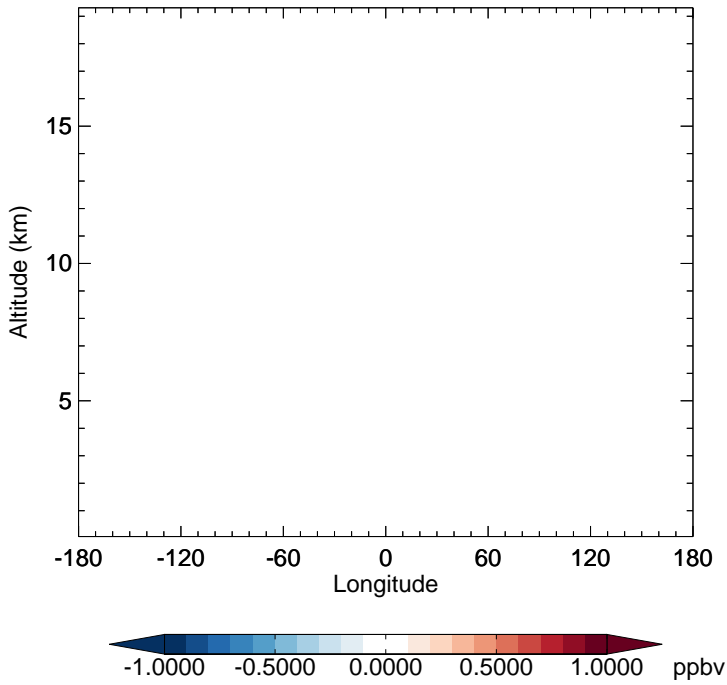
GC\_12.0.0 - v11-02f-Run1  
HNO<sub>2</sub> - Diff along 15S for Apr



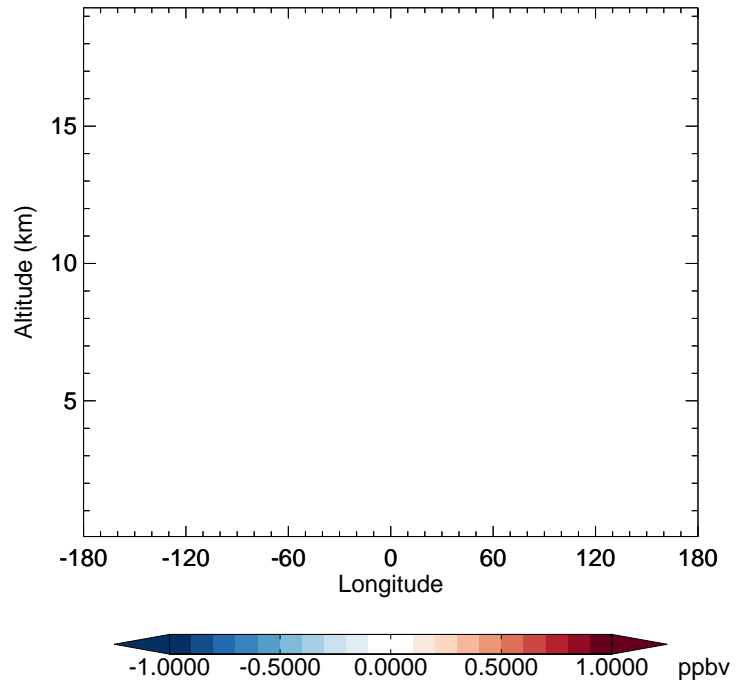
GC\_12.0.0 - v11-02f-Run1  
HNO<sub>2</sub> - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
HNO<sub>2</sub> - Diff along 15S for Apr

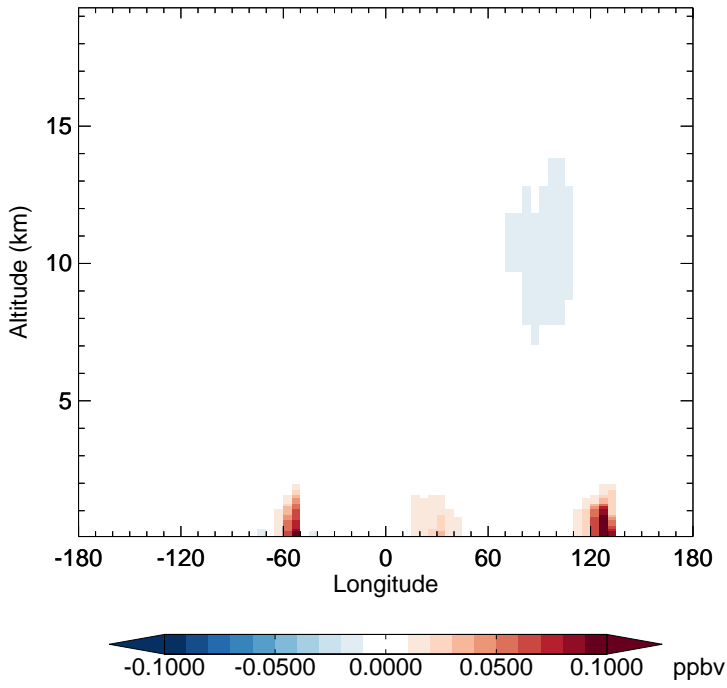


GC\_12.0.0 - v11-02e-Run1  
HNO<sub>2</sub> - Diff along 42N for Apr

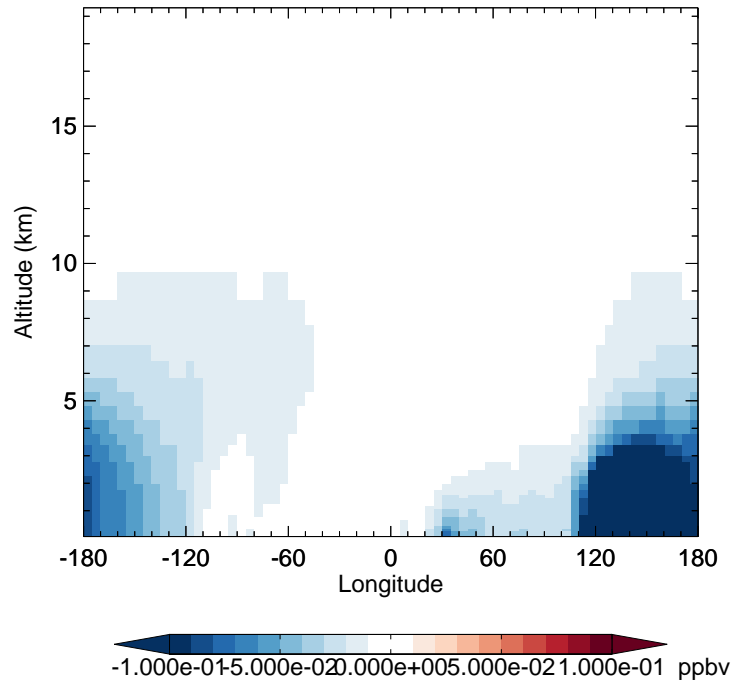


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

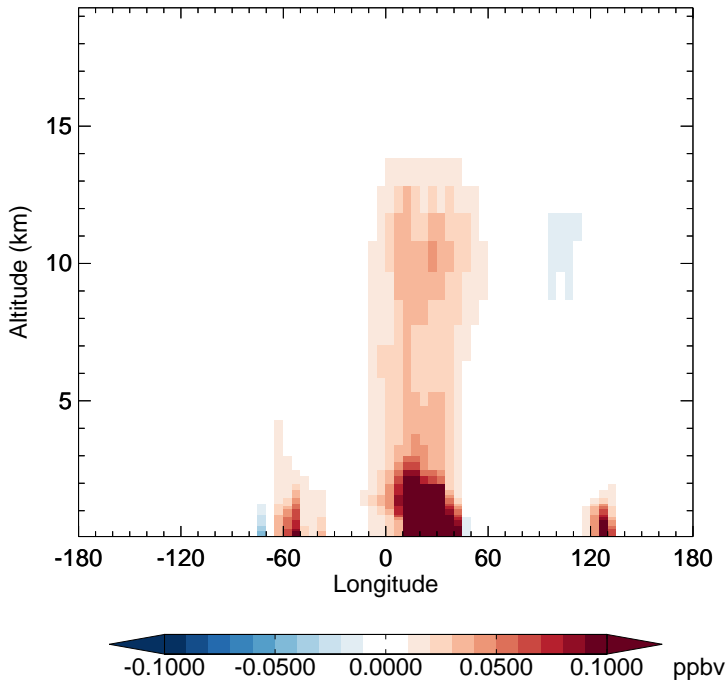
GC\_12.0.0 - v11-02f-Run1  
BENZ - Diff along 15S for Apr



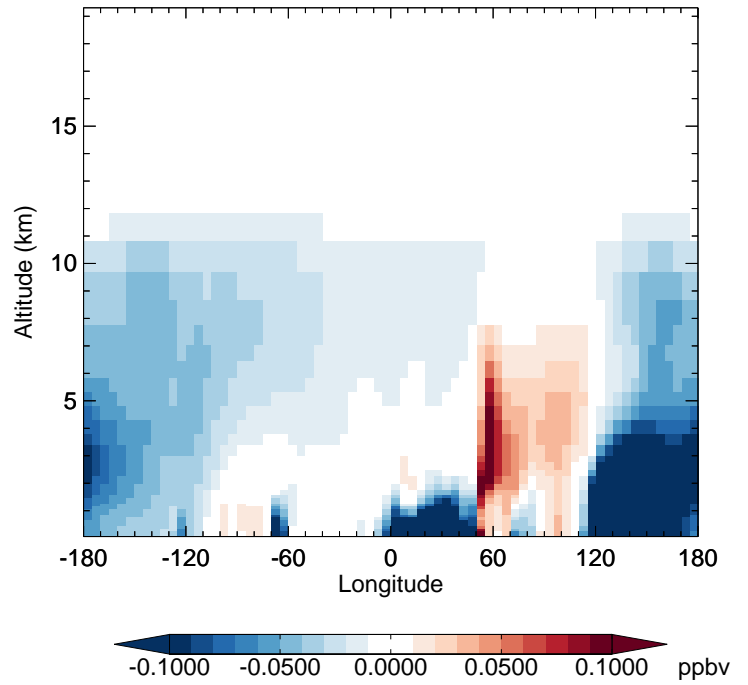
GC\_12.0.0 - v11-02f-Run1  
BENZ - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
BENZ - Diff along 15S for Apr

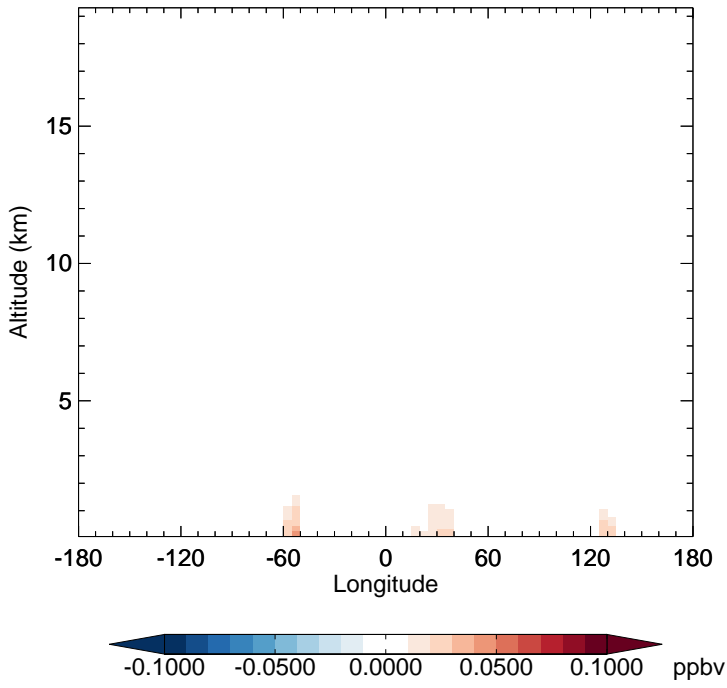


GC\_12.0.0 - v11-02e-Run1  
BENZ - Diff along 42N for Apr

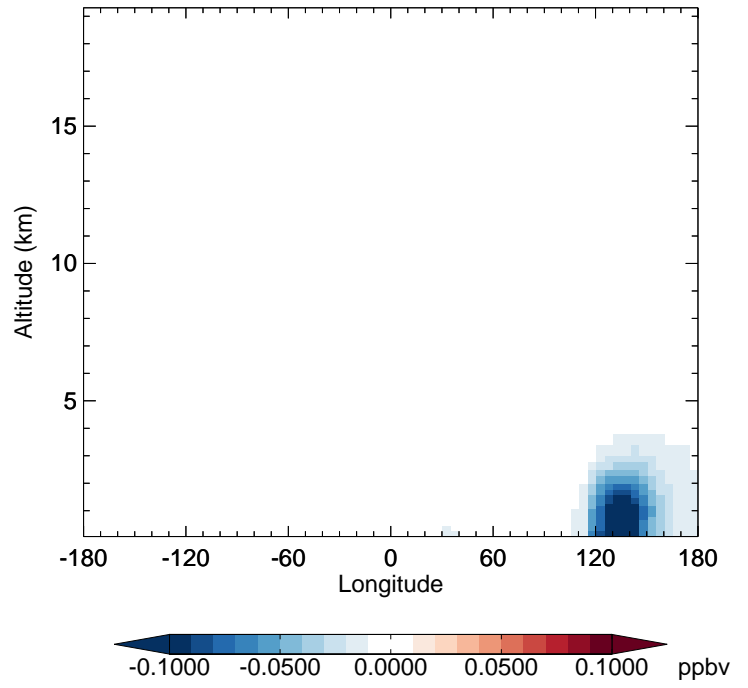


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

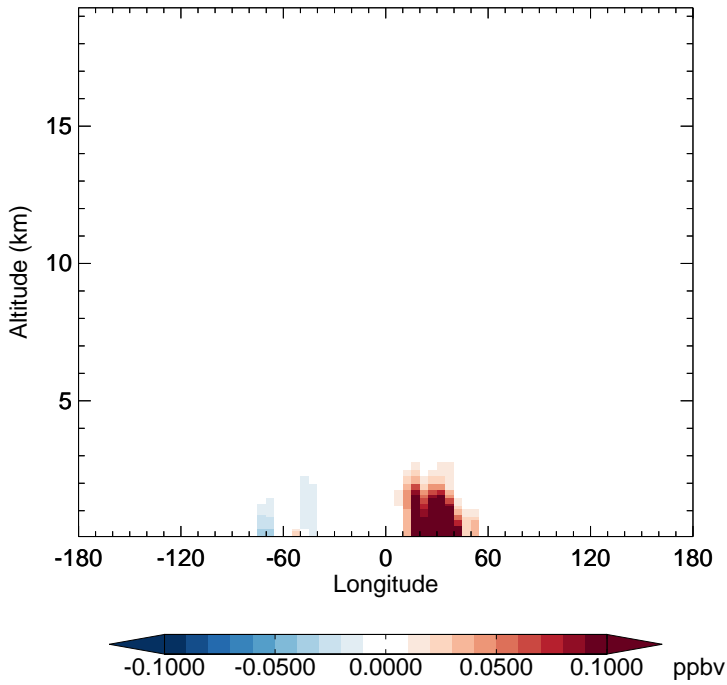
GC\_12.0.0 - v11-02f-Run1  
TOLU - Diff along 15S for Apr



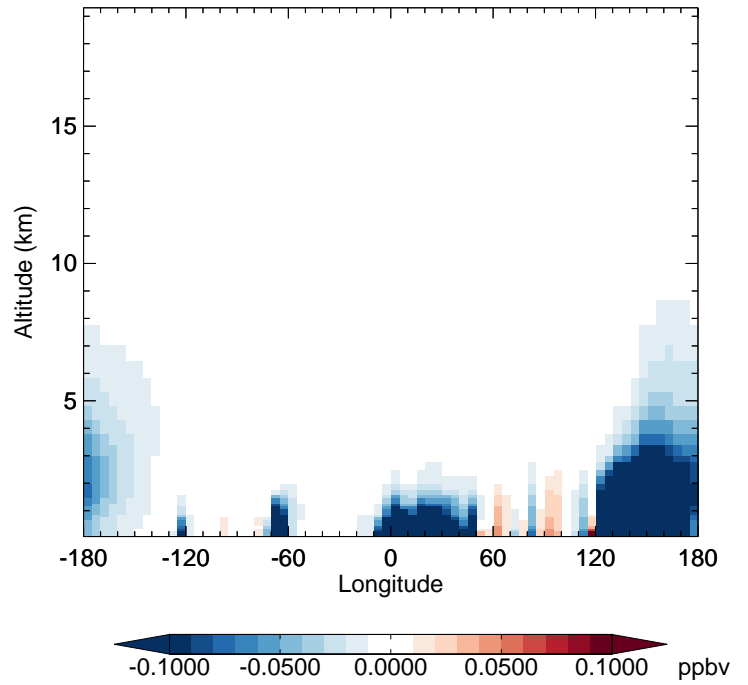
GC\_12.0.0 - v11-02f-Run1  
TOLU - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
TOLU - Diff along 15S for Apr

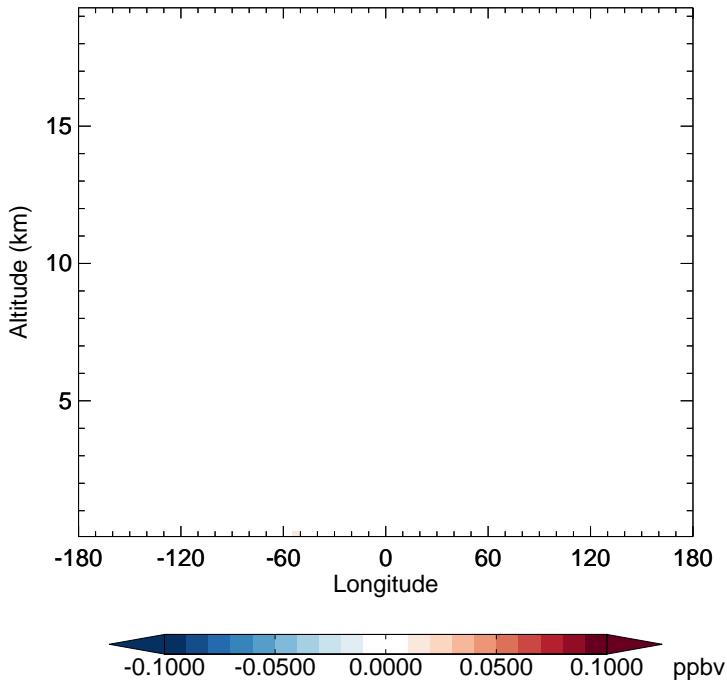


GC\_12.0.0 - v11-02e-Run1  
TOLU - Diff along 42N for Apr

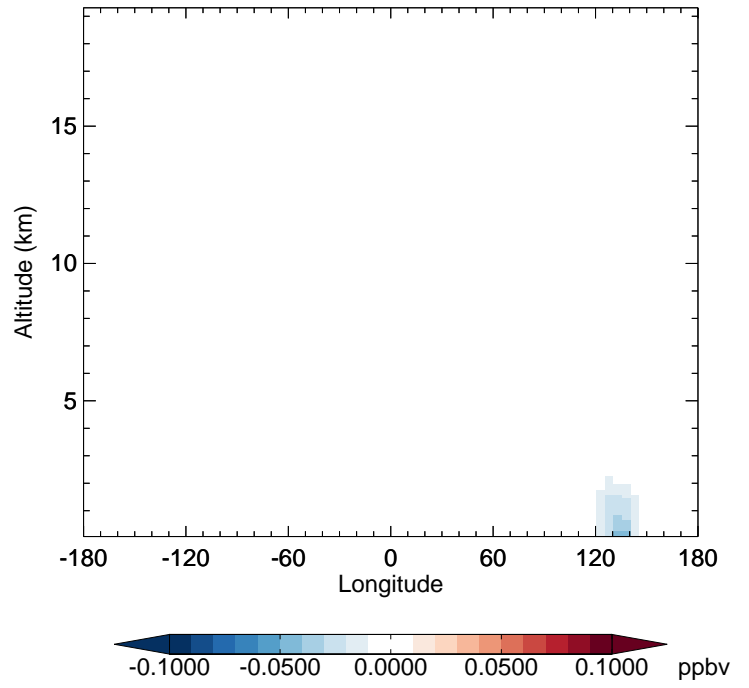


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

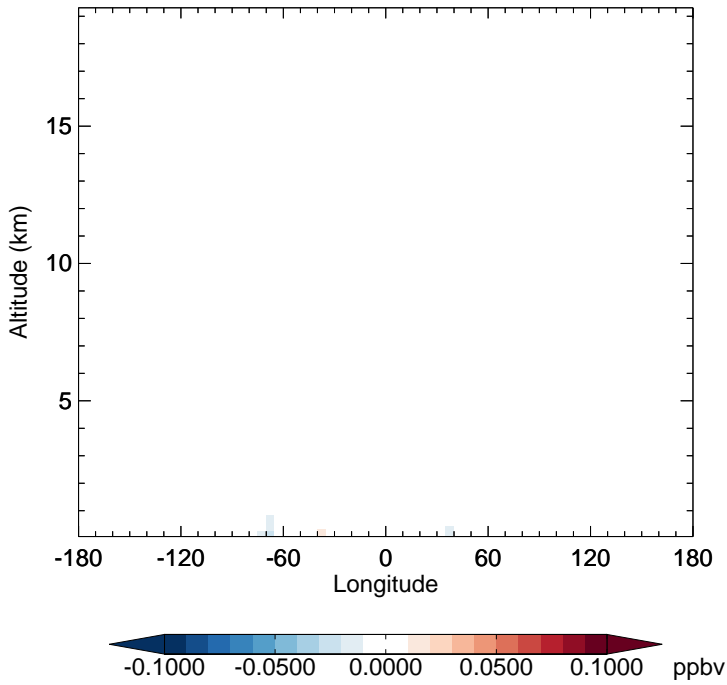
GC\_12.0.0 - v11-02f-Run1  
XYLE - Diff along 15S for Apr



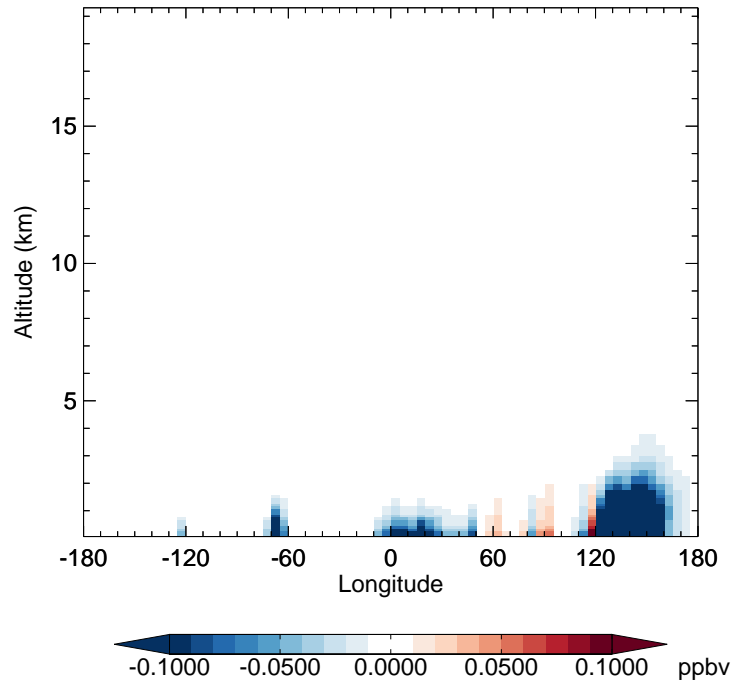
GC\_12.0.0 - v11-02f-Run1  
XYLE - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
XYLE - Diff along 15S for Apr

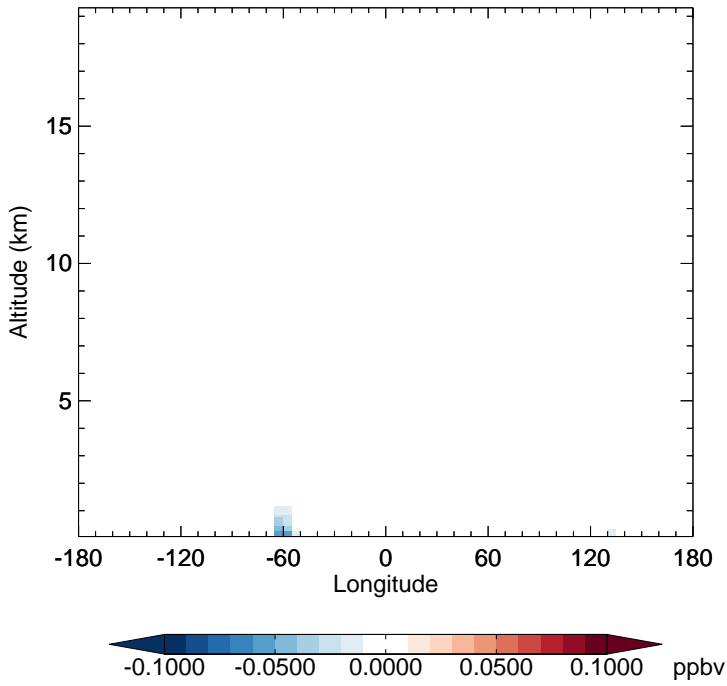


GC\_12.0.0 - v11-02e-Run1  
XYLE - Diff along 42N for Apr

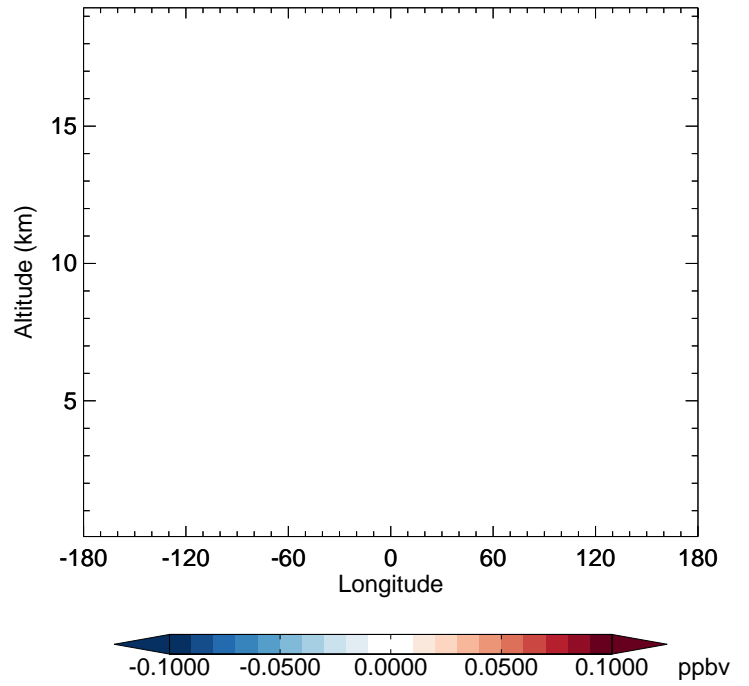


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

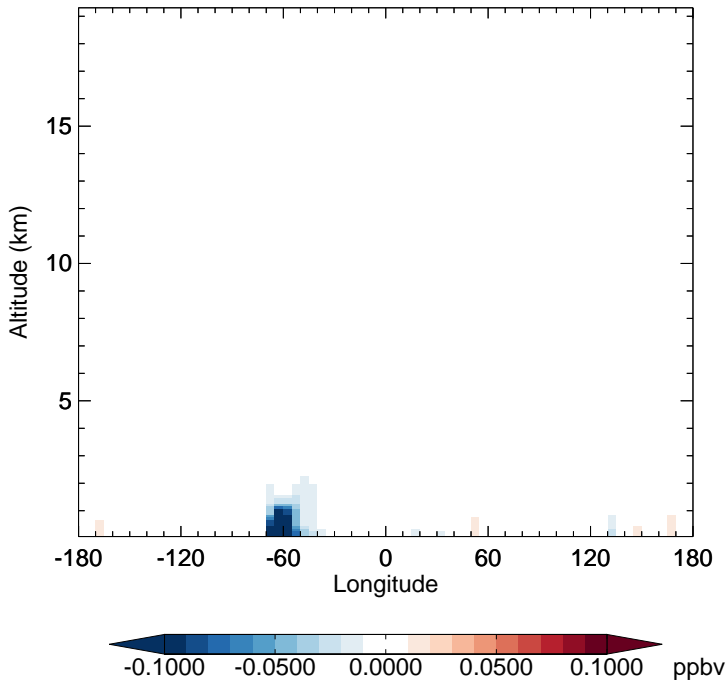
GC\_12.0.0 - v11-02f-Run1  
MTPA - Diff along 15S for Apr



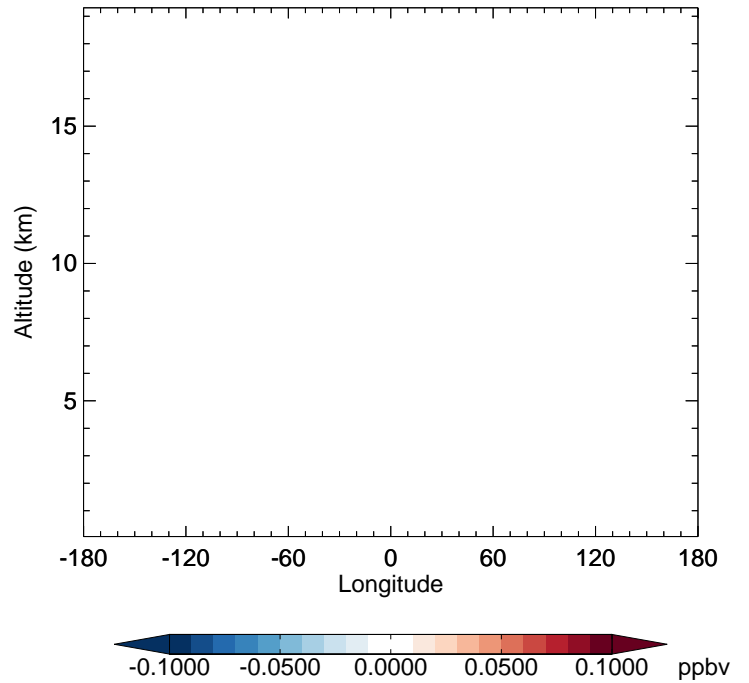
GC\_12.0.0 - v11-02f-Run1  
MTPA - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
MTPA - Diff along 15S for Apr



GC\_12.0.0 - v11-02e-Run1  
MTPA - Diff along 42N for Apr

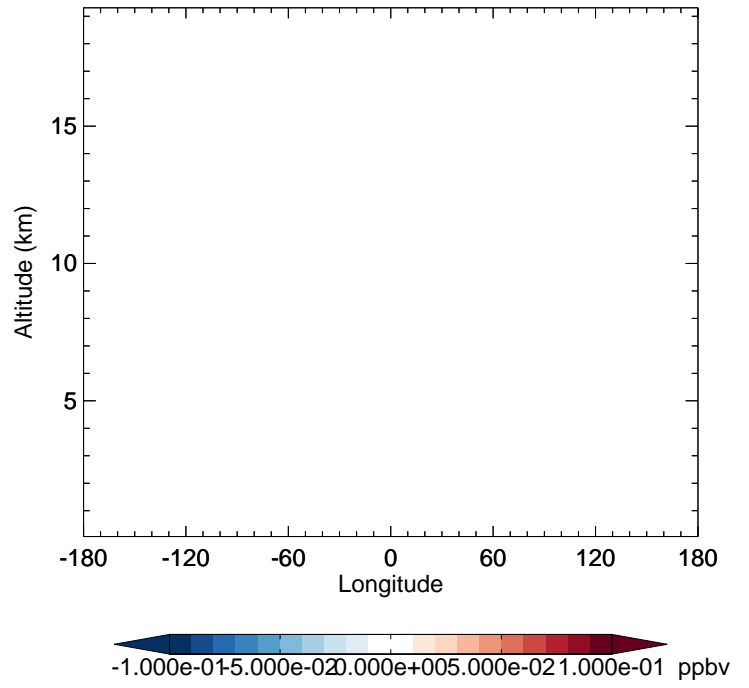


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

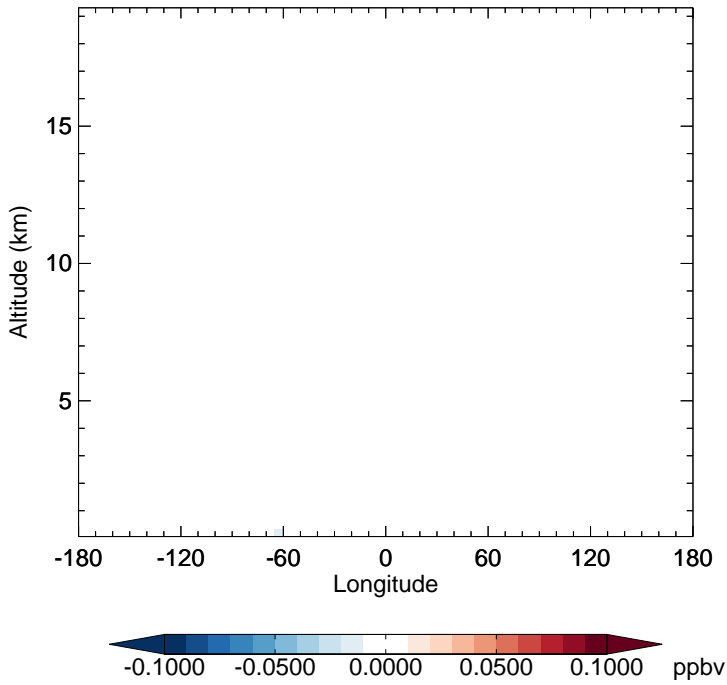
GC\_12.0.0 - v11-02f-Run1  
LIMO - Diff along 15S for Apr



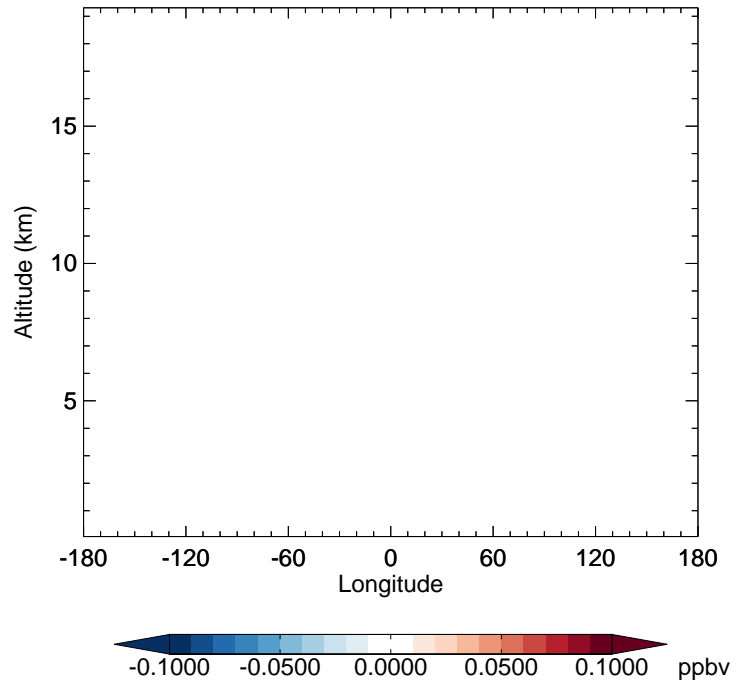
GC\_12.0.0 - v11-02f-Run1  
LIMO - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
LIMO - Diff along 15S for Apr



GC\_12.0.0 - v11-02e-Run1  
LIMO - Diff along 42N for Apr

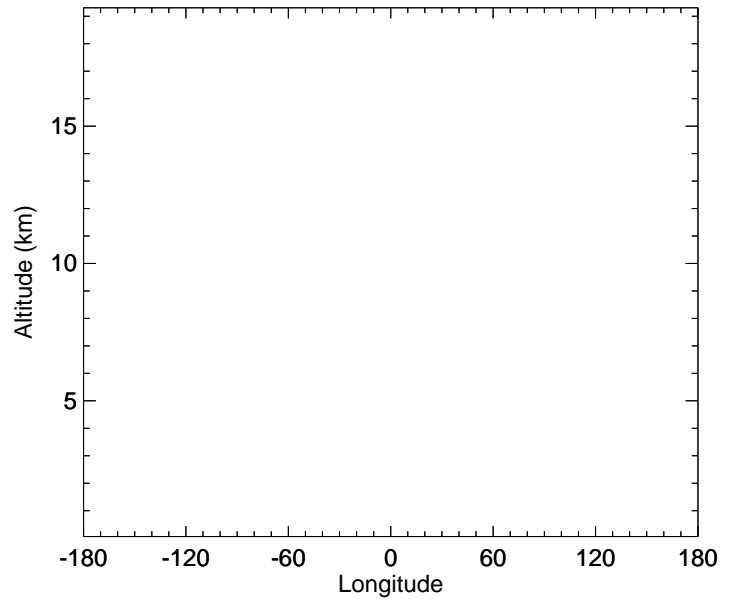


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

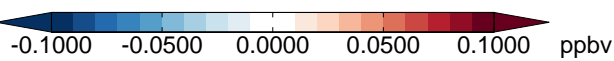
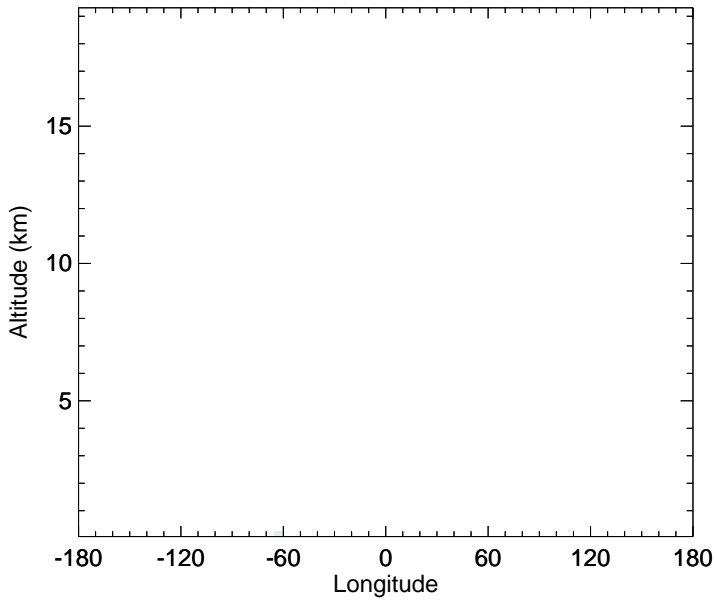
GC\_12.0.0 - v11-02f-Run1  
MTPO - Diff along 15S for Apr



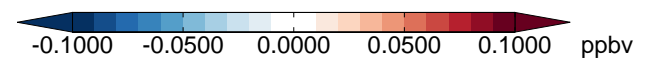
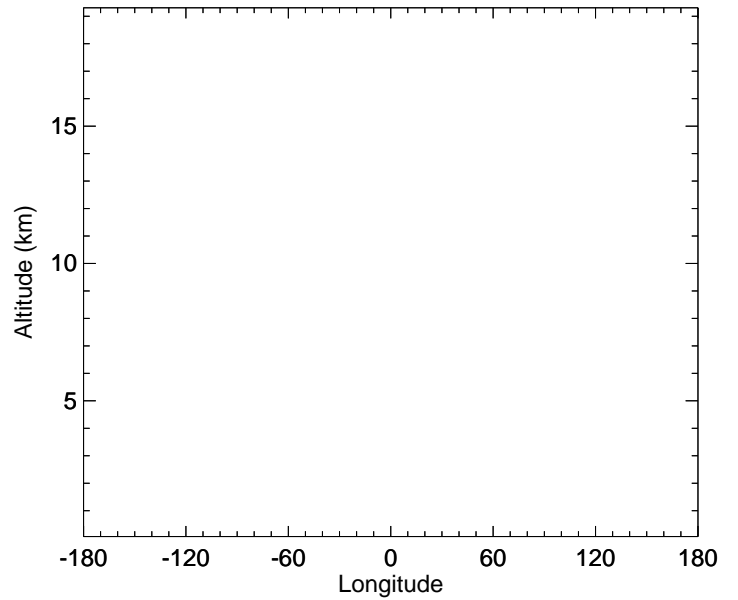
GC\_12.0.0 - v11-02f-Run1  
MTPO - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
MTPO - Diff along 15S for Apr



GC\_12.0.0 - v11-02e-Run1  
MTPO - Diff along 42N for Apr



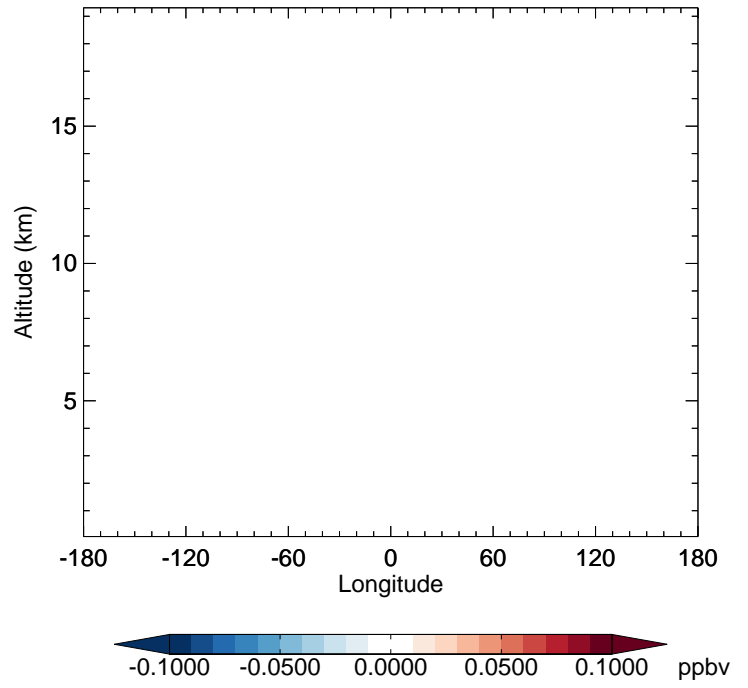


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

GC\_12.0.0 - v11-02f-Run1  
TSOG1 - Diff along 15S for Apr



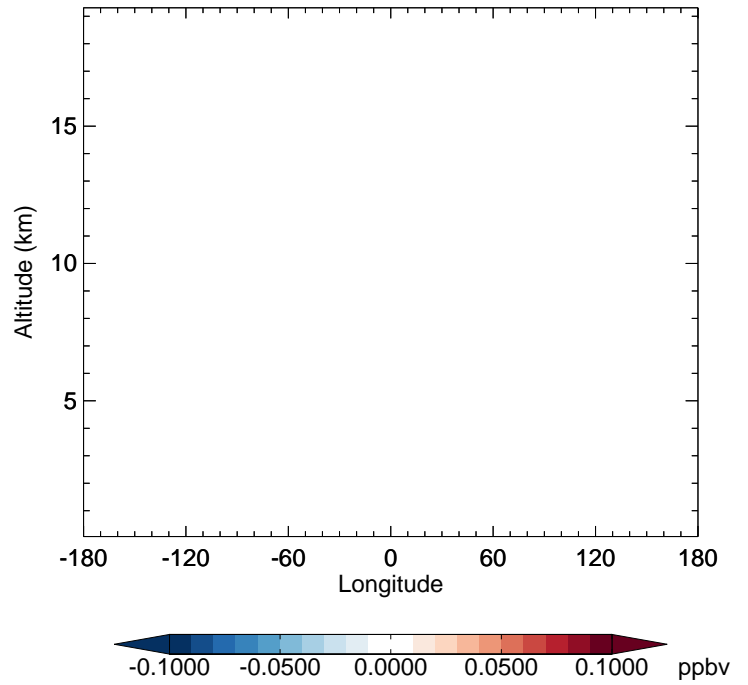
GC\_12.0.0 - v11-02f-Run1  
TSOG1 - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
TSOG1 - Diff along 15S for Apr

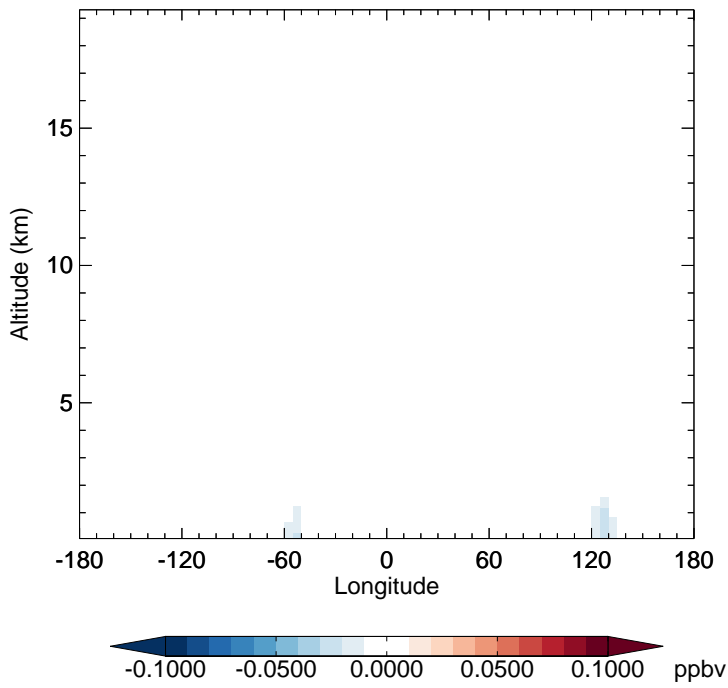


GC\_12.0.0 - v11-02e-Run1  
TSOG1 - Diff along 42N for Apr

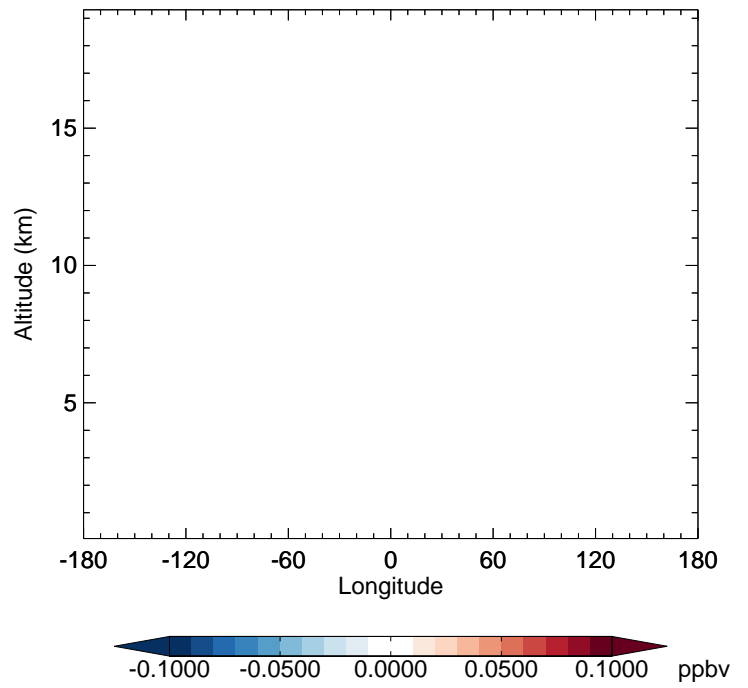


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

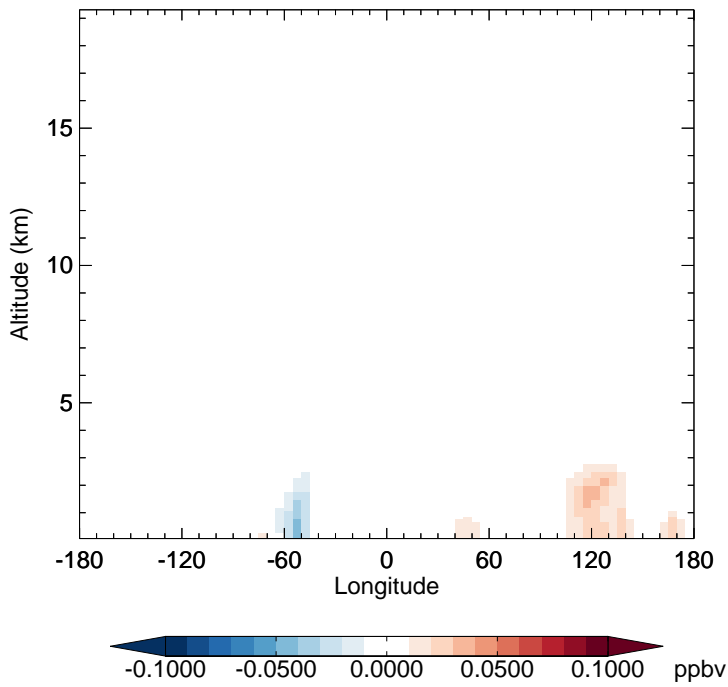
GC\_12.0.0 - v11-02f-Run1  
TSOG2 - Diff along 15S for Apr



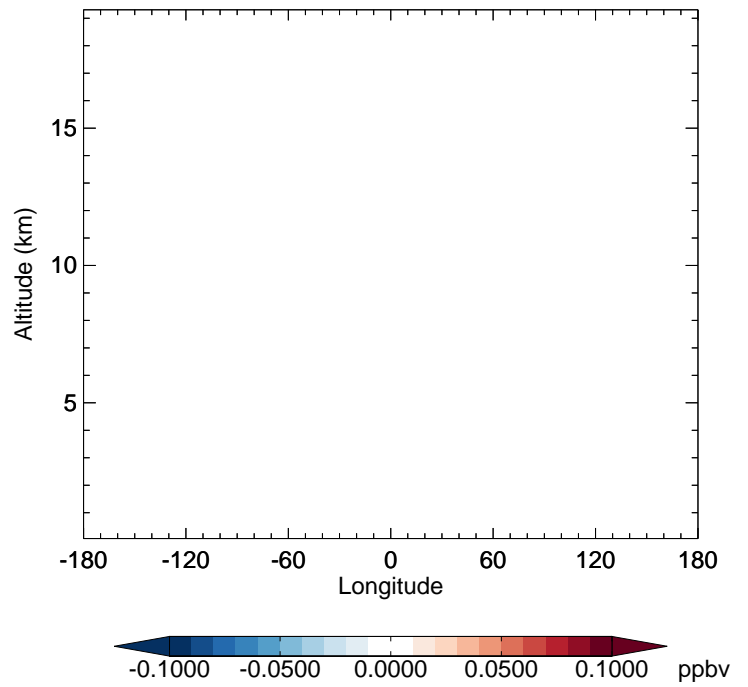
GC\_12.0.0 - v11-02f-Run1  
TSOG2 - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
TSOG2 - Diff along 15S for Apr

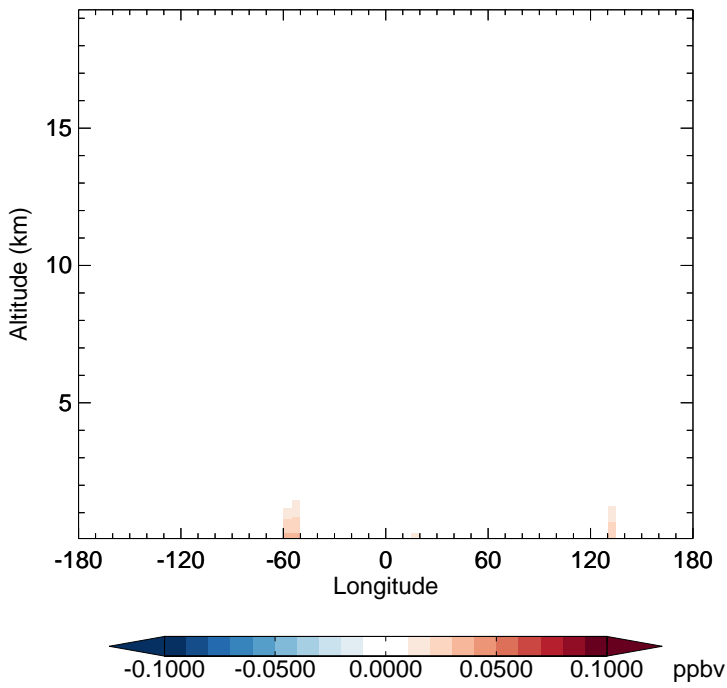


GC\_12.0.0 - v11-02e-Run1  
TSOG2 - Diff along 42N for Apr

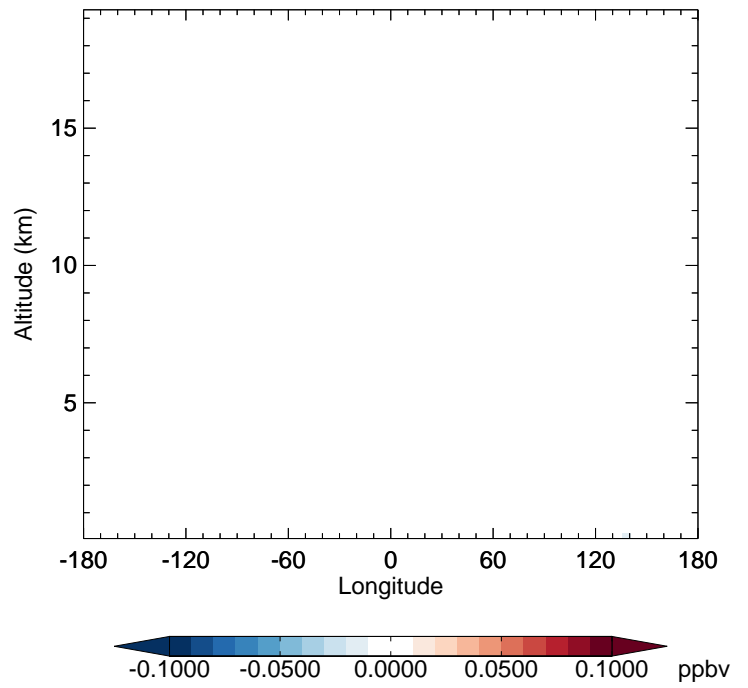


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

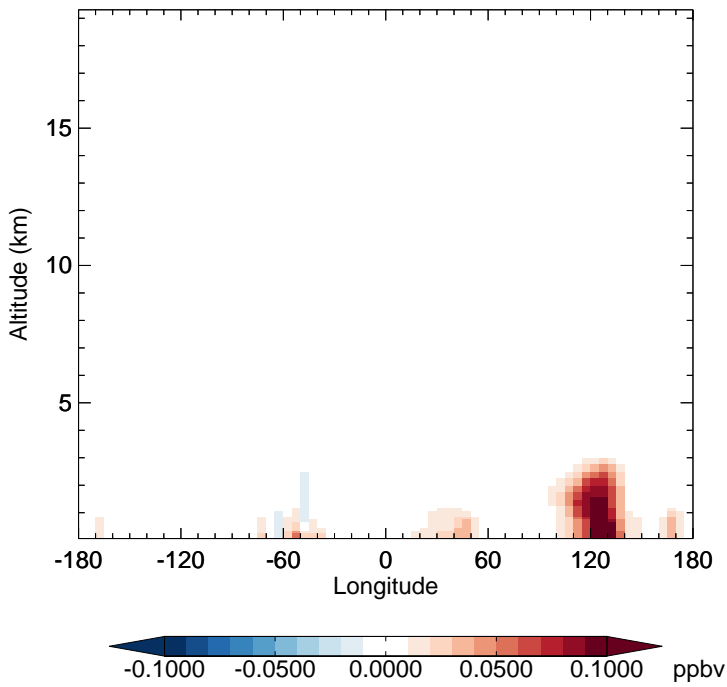
GC\_12.0.0 - v11-02f-Run1  
TSOG3 - Diff along 15S for Apr



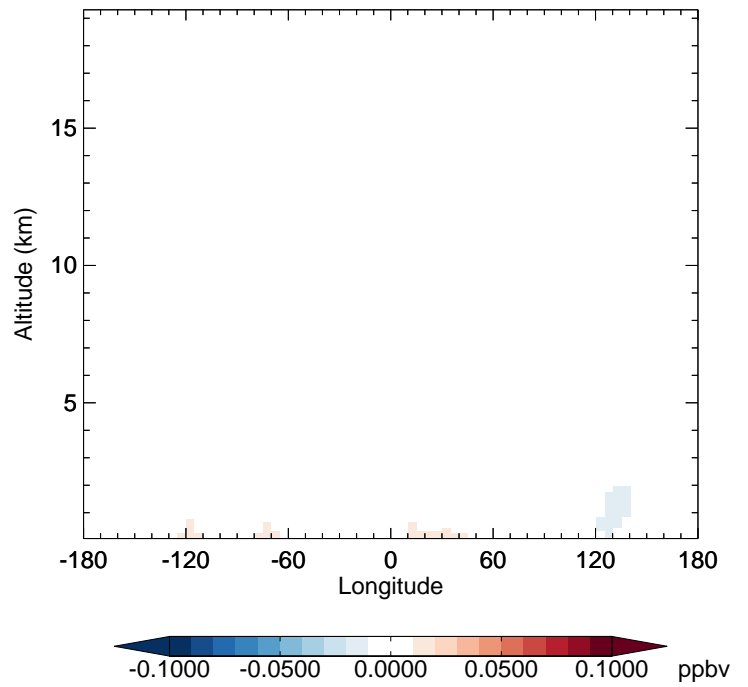
GC\_12.0.0 - v11-02f-Run1  
TSOG3 - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
TSOG3 - Diff along 15S for Apr



GC\_12.0.0 - v11-02e-Run1  
TSOG3 - Diff along 42N for Apr

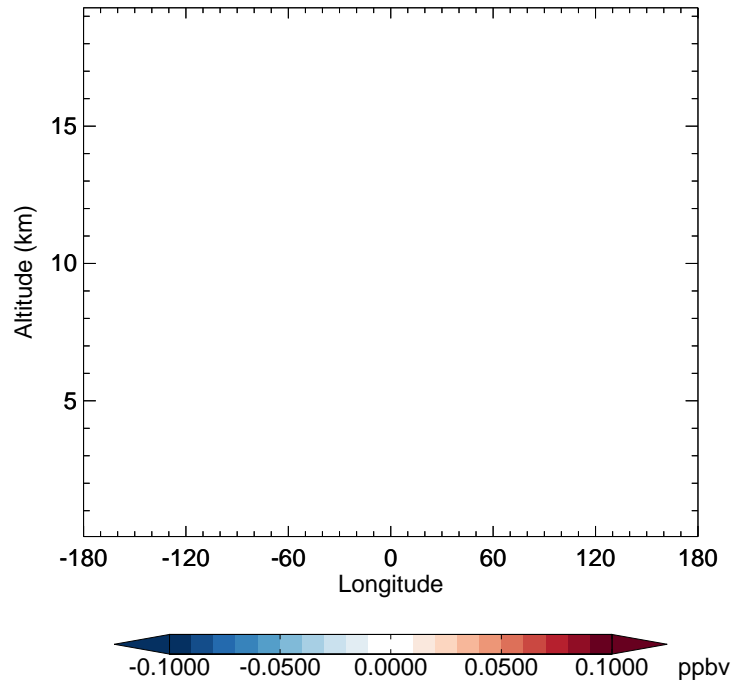


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

GC\_12.0.0 - v11-02f-Run1  
TSOG0 - Diff along 15S for Apr



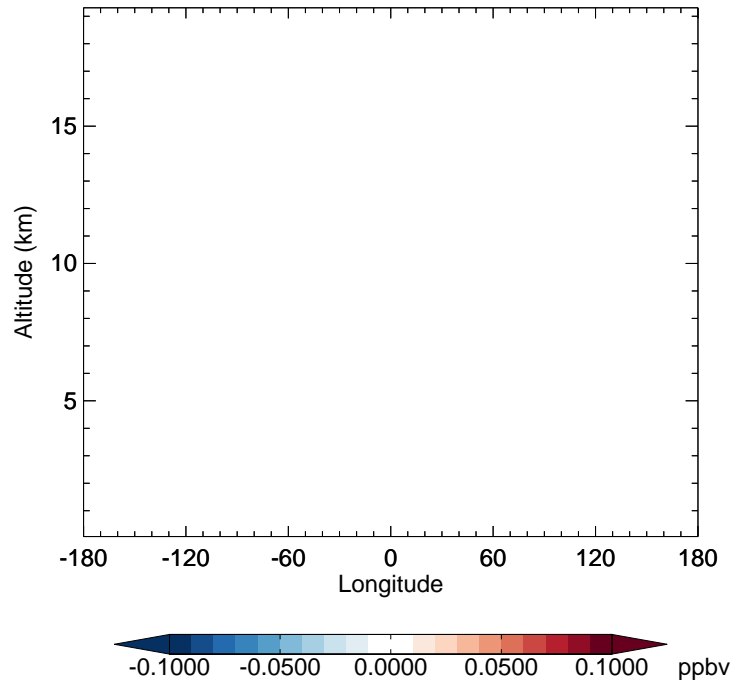
GC\_12.0.0 - v11-02f-Run1  
TSOG0 - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
TSOG0 - Diff along 15S for Apr



GC\_12.0.0 - v11-02e-Run1  
TSOG0 - Diff along 42N for Apr

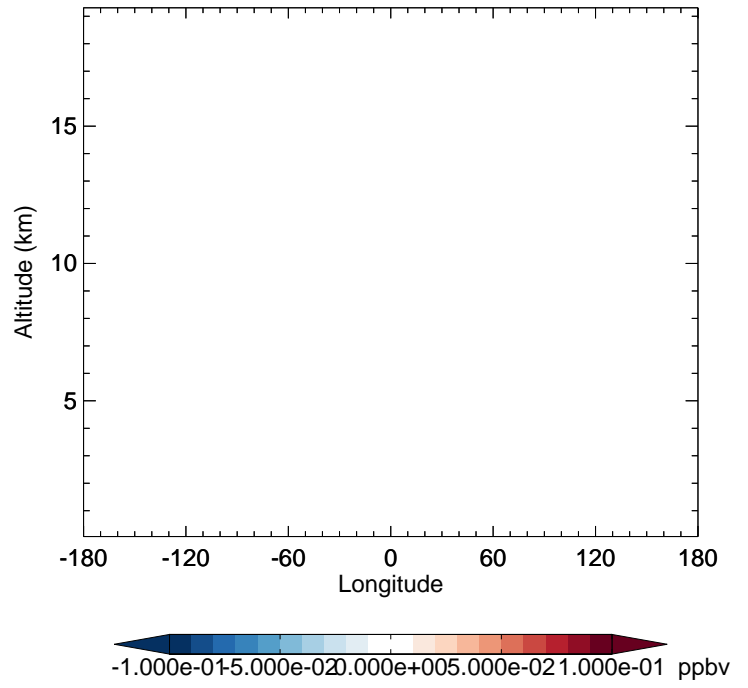


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

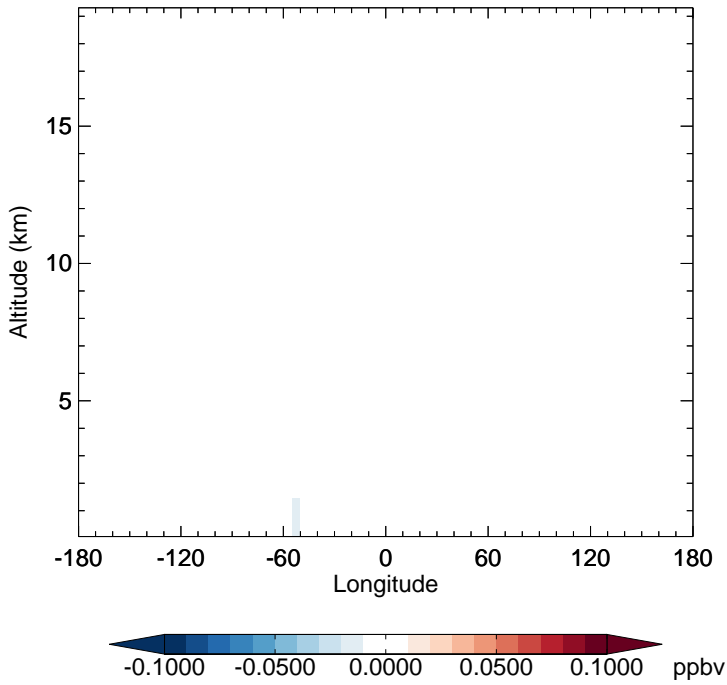
GC\_12.0.0 - v11-02f-Run1  
TSOA1 - Diff along 15S for Apr



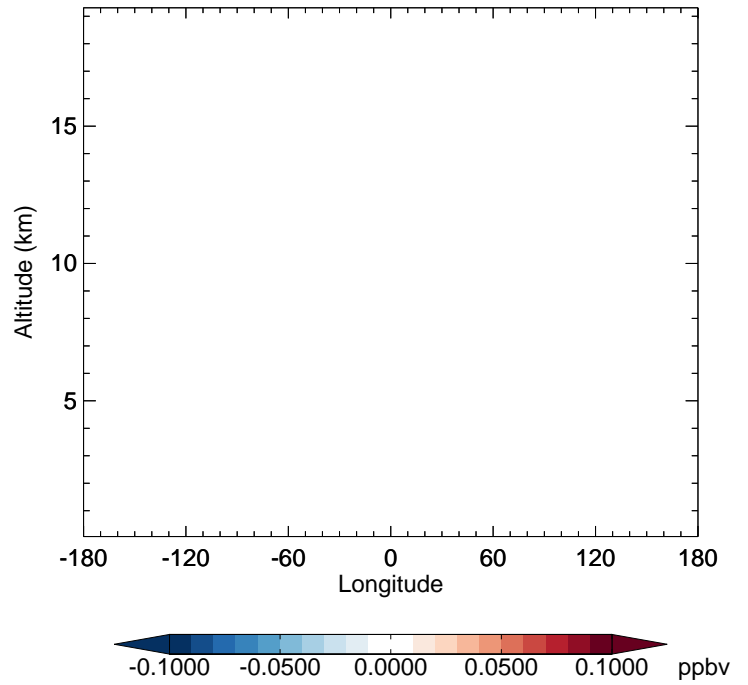
GC\_12.0.0 - v11-02f-Run1  
TSOA1 - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
TSOA1 - Diff along 15S for Apr

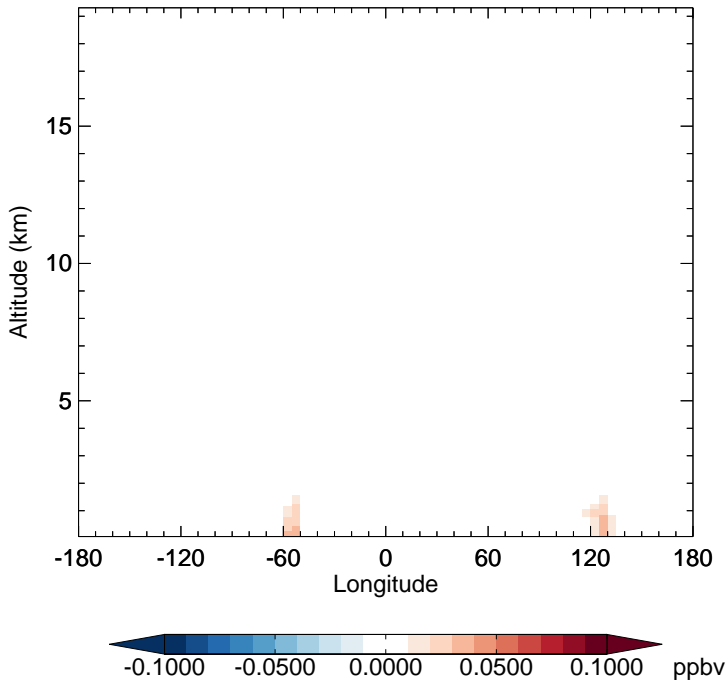


GC\_12.0.0 - v11-02e-Run1  
TSOA1 - Diff along 42N for Apr

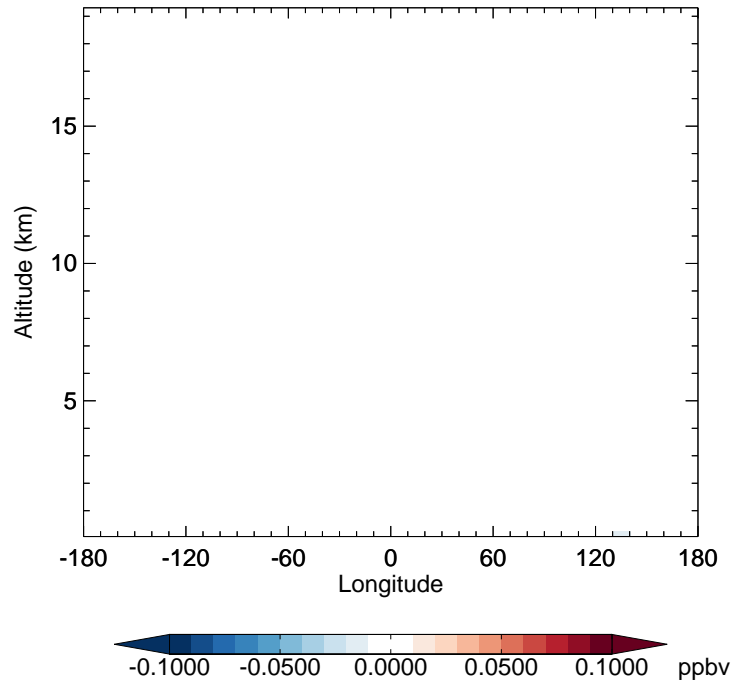


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

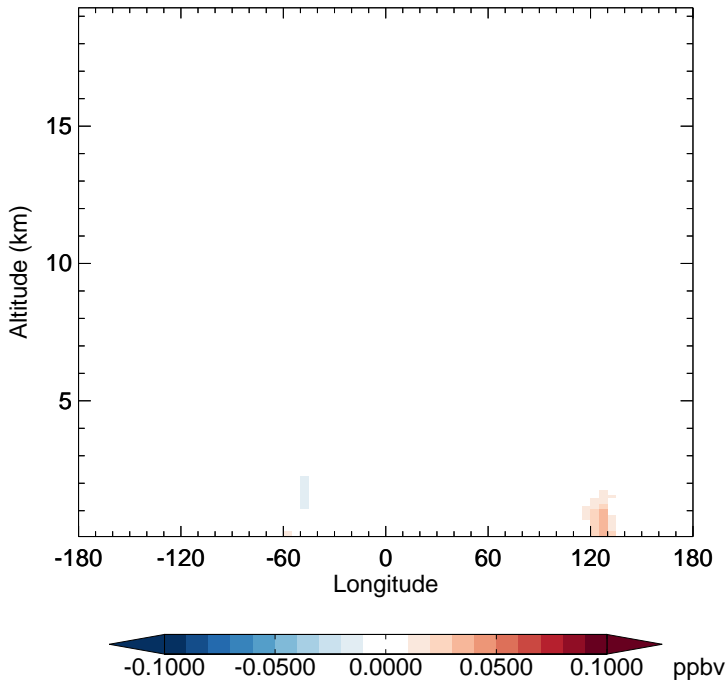
GC\_12.0.0 - v11-02f-Run1  
TSOA2 - Diff along 15S for Apr



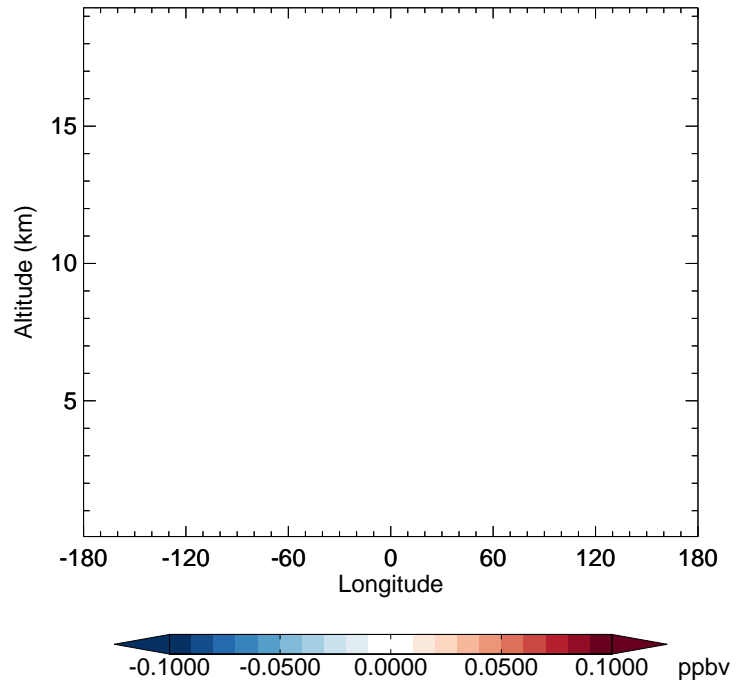
GC\_12.0.0 - v11-02f-Run1  
TSOA2 - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
TSOA2 - Diff along 15S for Apr

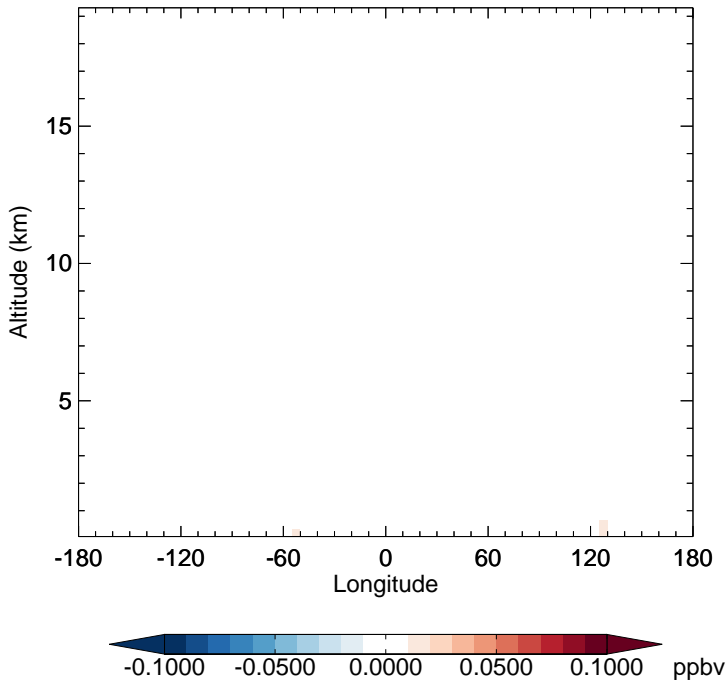


GC\_12.0.0 - v11-02e-Run1  
TSOA2 - Diff along 42N for Apr

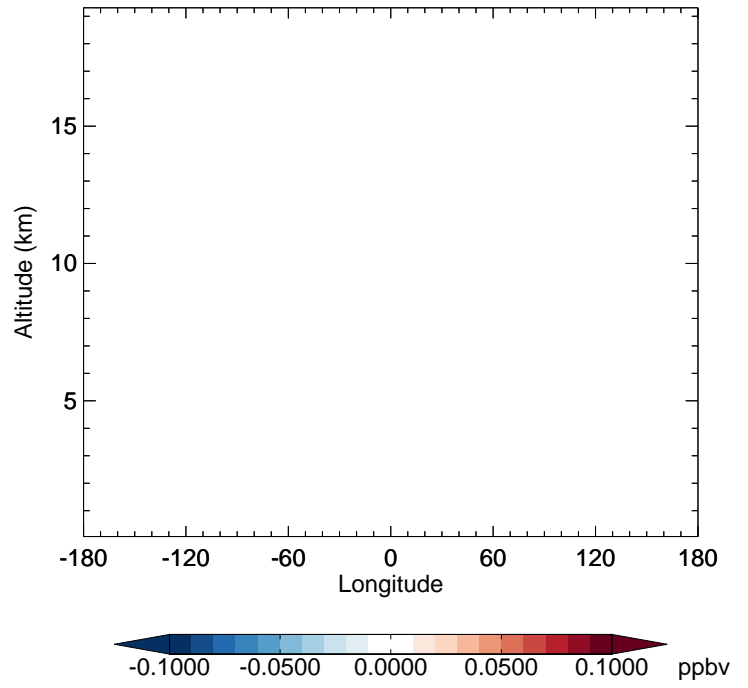


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

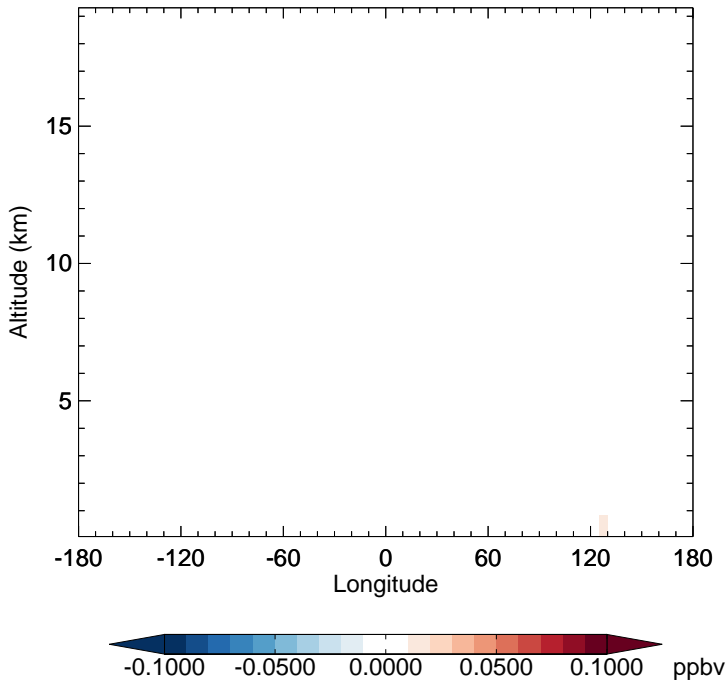
GC\_12.0.0 - v11-02f-Run1  
TSOA3 - Diff along 15S for Apr



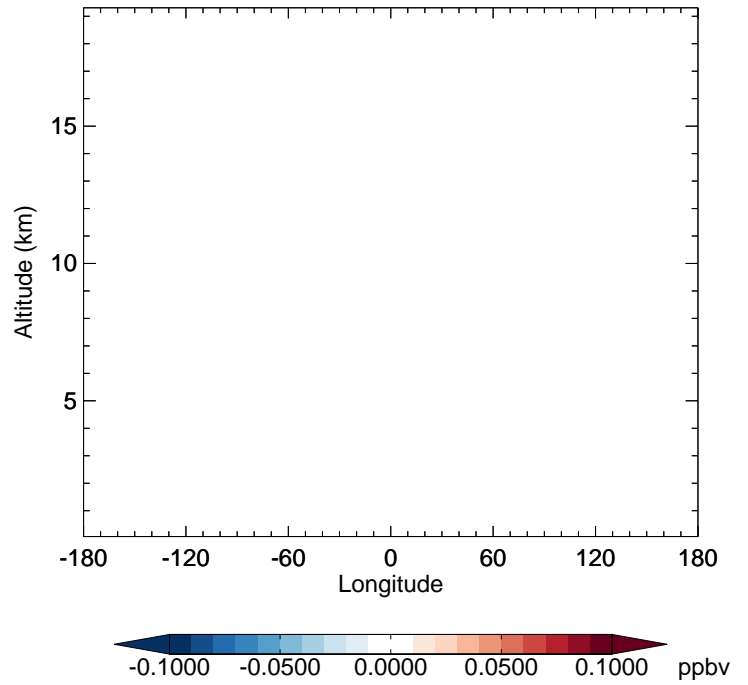
GC\_12.0.0 - v11-02f-Run1  
TSOA3 - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
TSOA3 - Diff along 15S for Apr



GC\_12.0.0 - v11-02e-Run1  
TSOA3 - Diff along 42N for Apr

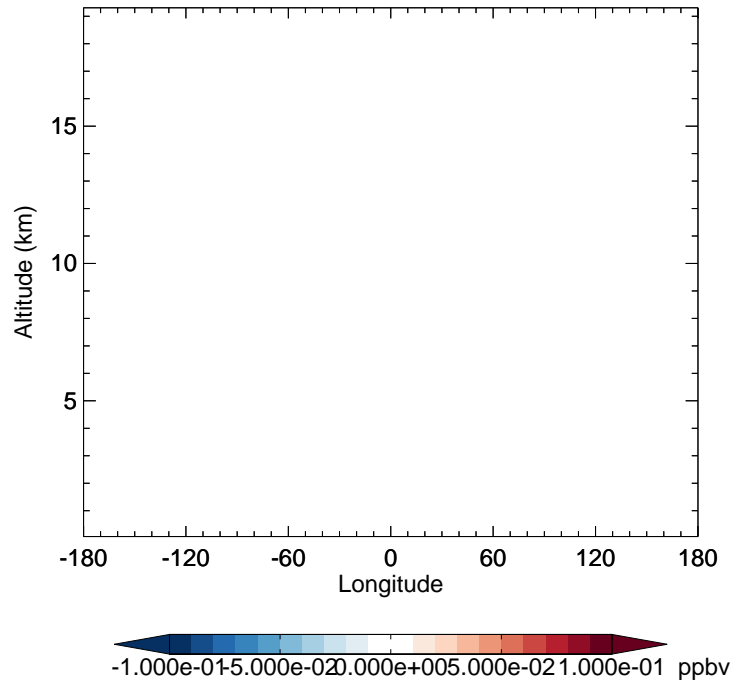


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

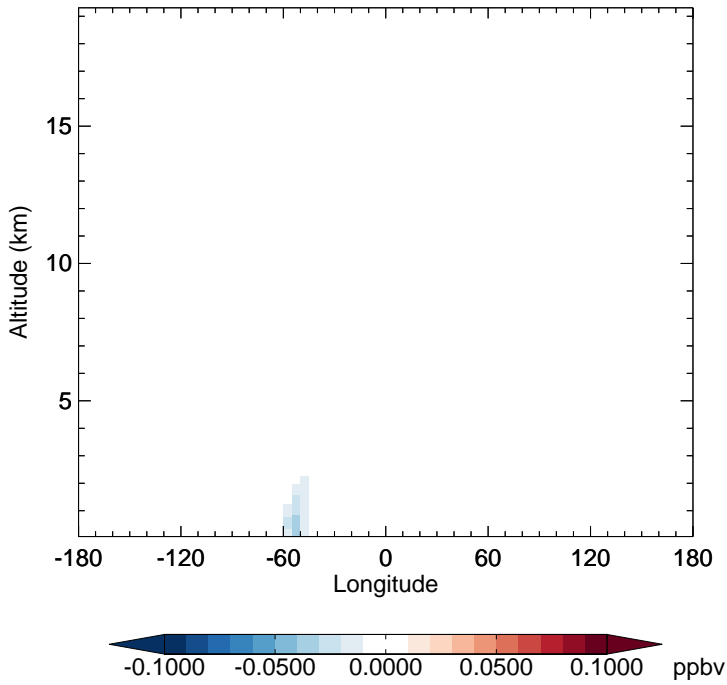
GC\_12.0.0 - v11-02f-Run1  
TSOA0 - Diff along 15S for Apr



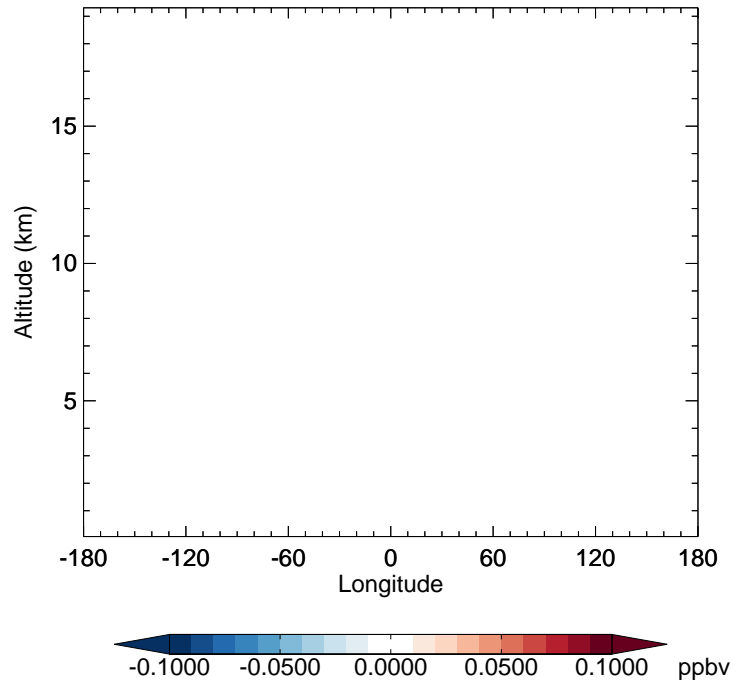
GC\_12.0.0 - v11-02f-Run1  
TSOA0 - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
TSOA0 - Diff along 15S for Apr



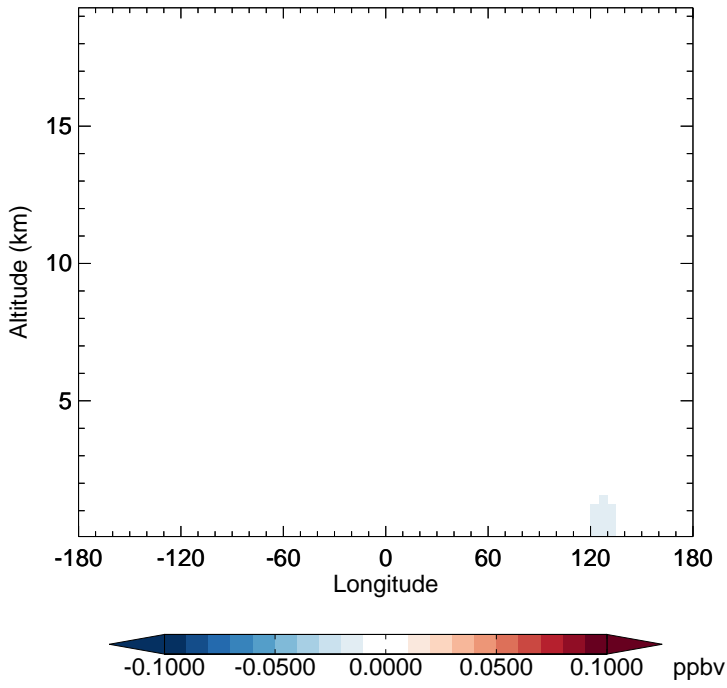
GC\_12.0.0 - v11-02e-Run1  
TSOA0 - Diff along 42N for Apr



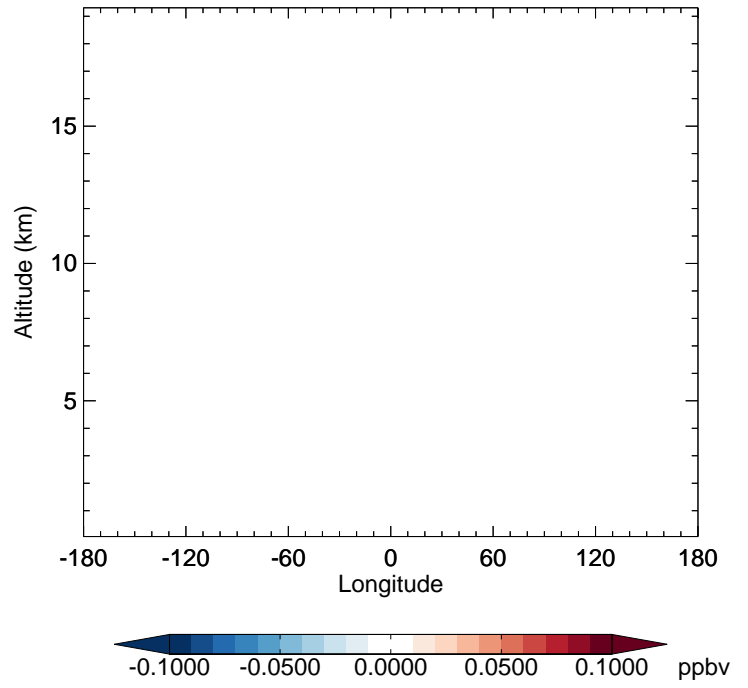


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

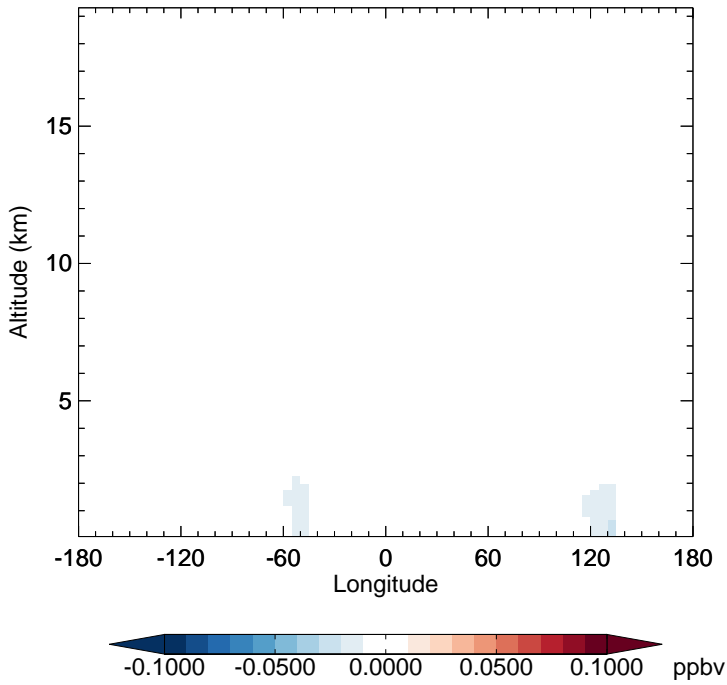
GC\_12.0.0 - v11-02f-Run1  
ISOG1 - Diff along 15S for Apr



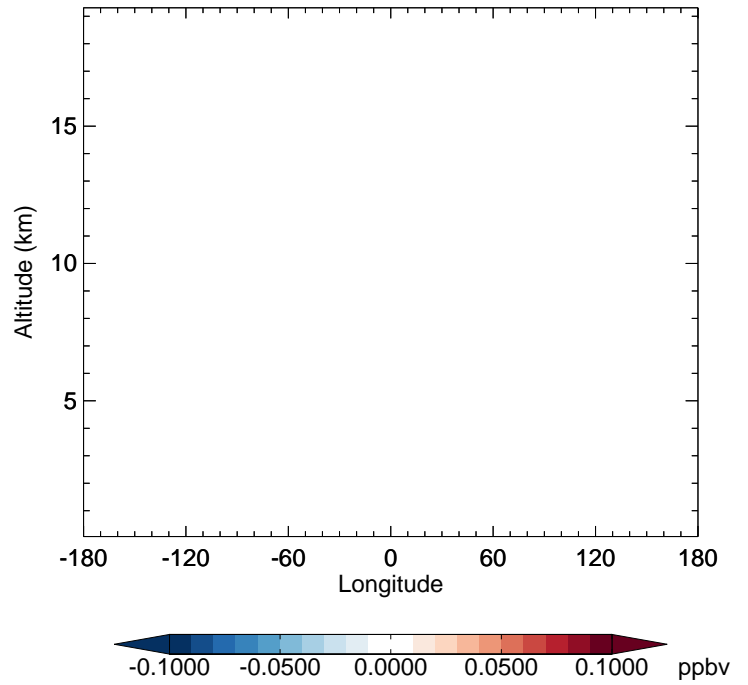
GC\_12.0.0 - v11-02f-Run1  
ISOG1 - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
ISOG1 - Diff along 15S for Apr



GC\_12.0.0 - v11-02e-Run1  
ISOG1 - Diff along 42N for Apr

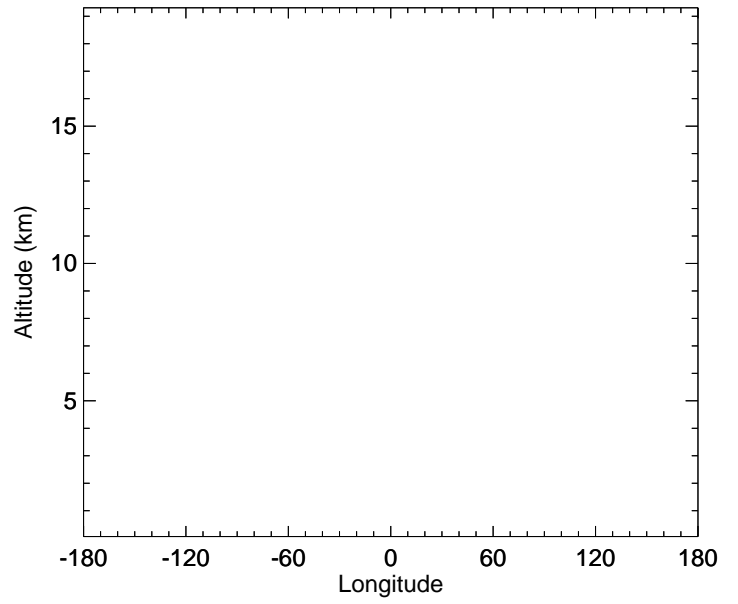


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

GC\_12.0.0 - v11-02f-Run1  
ISOG2 - Diff along 15S for Apr



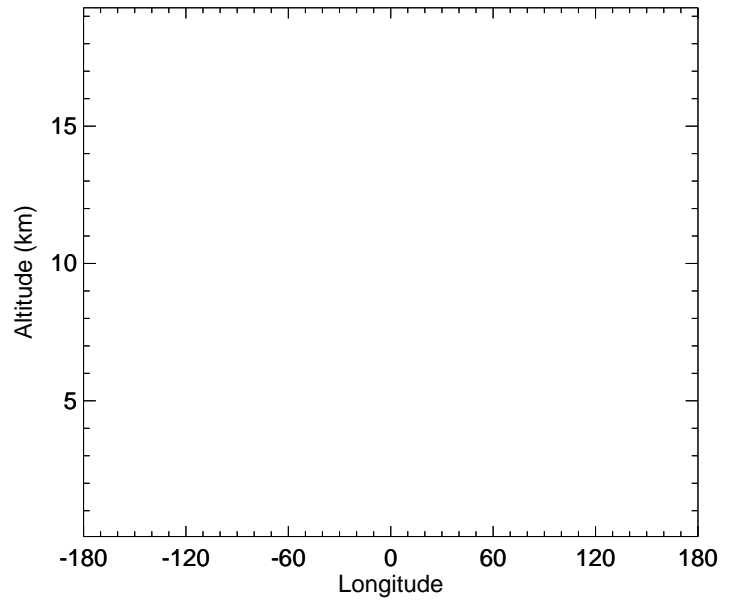
GC\_12.0.0 - v11-02f-Run1  
ISOG2 - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
ISOG2 - Diff along 15S for Apr

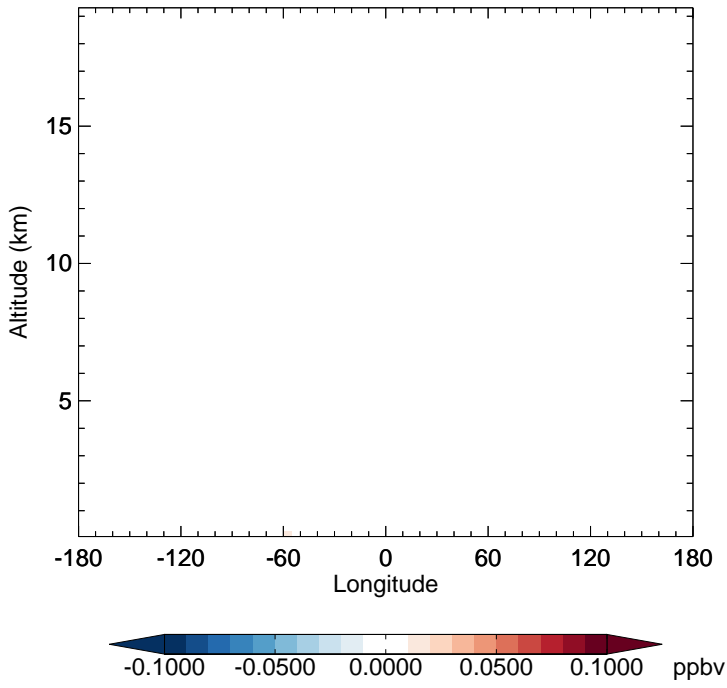


GC\_12.0.0 - v11-02e-Run1  
ISOG2 - Diff along 42N for Apr

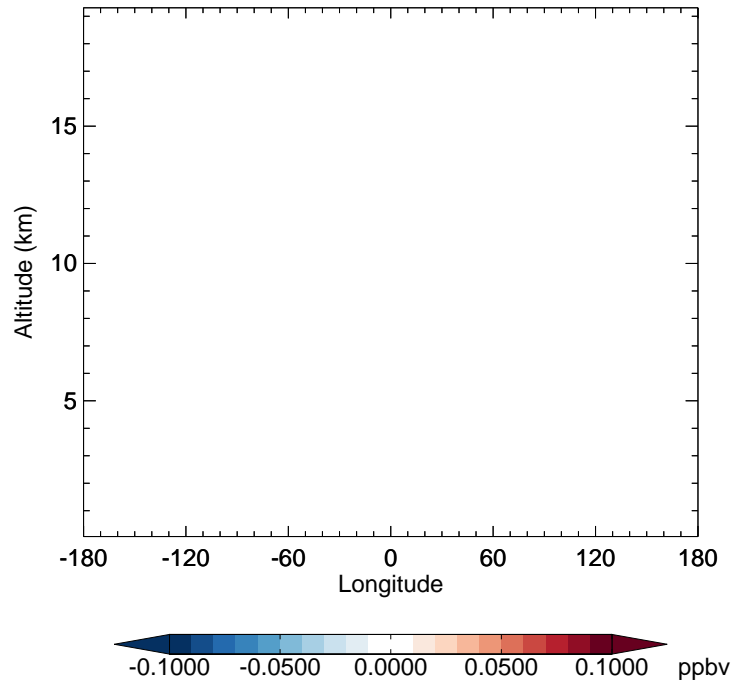


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

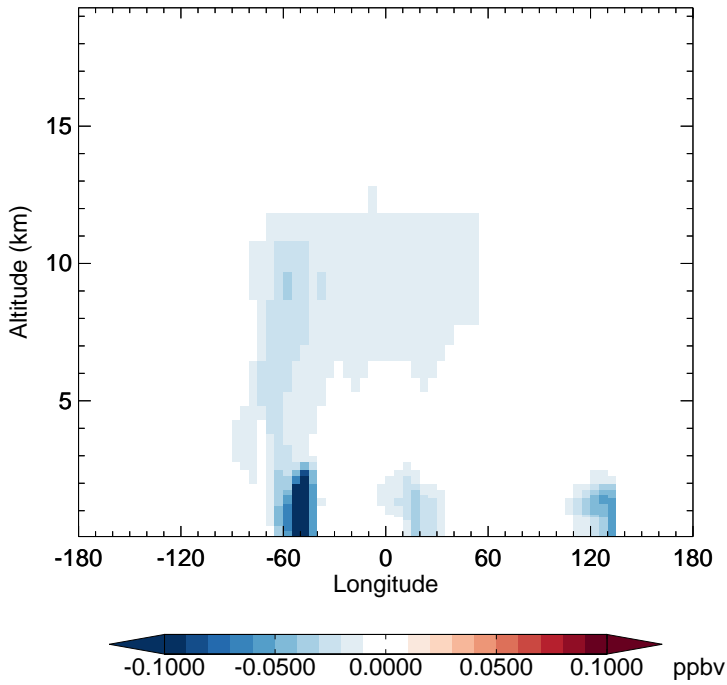
GC\_12.0.0 - v11-02f-Run1  
ISO3 - Diff along 15S for Apr



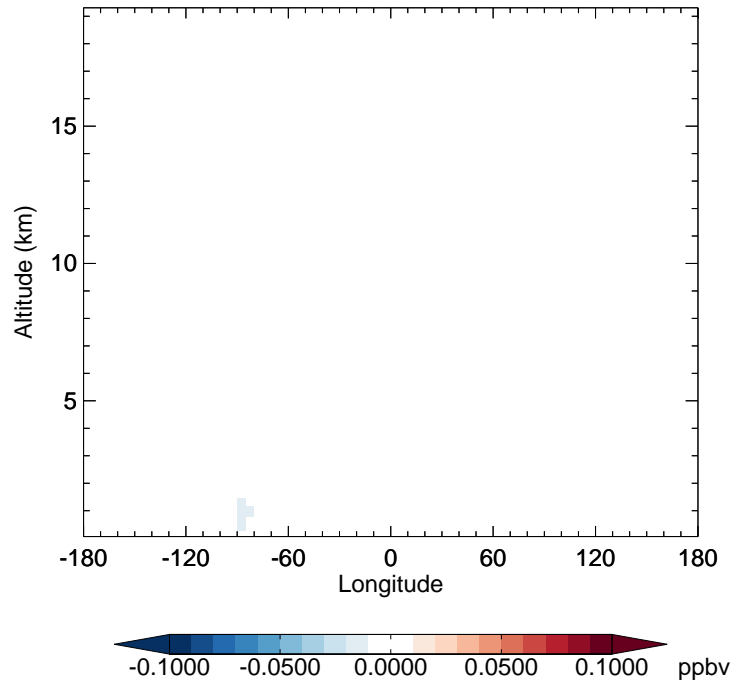
GC\_12.0.0 - v11-02f-Run1  
ISO3 - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
ISO3 - Diff along 15S for Apr

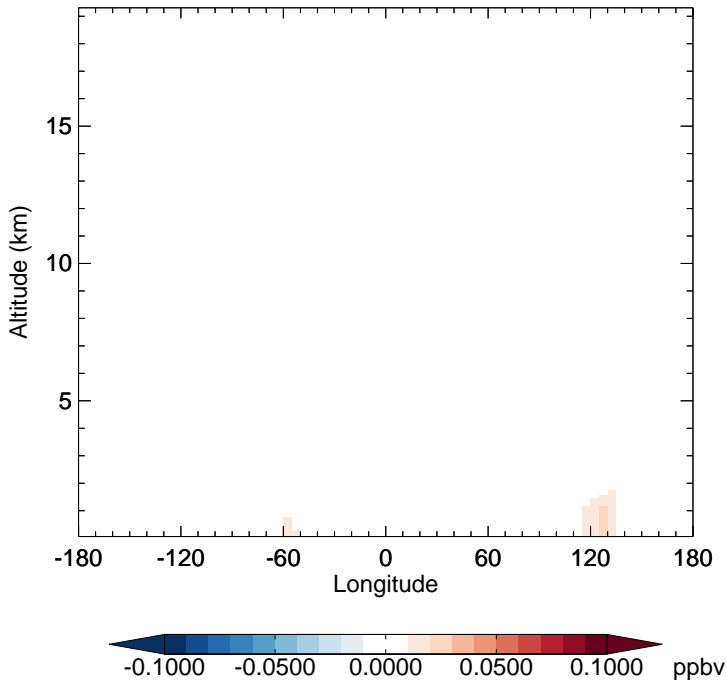


GC\_12.0.0 - v11-02e-Run1  
ISO3 - Diff along 42N for Apr

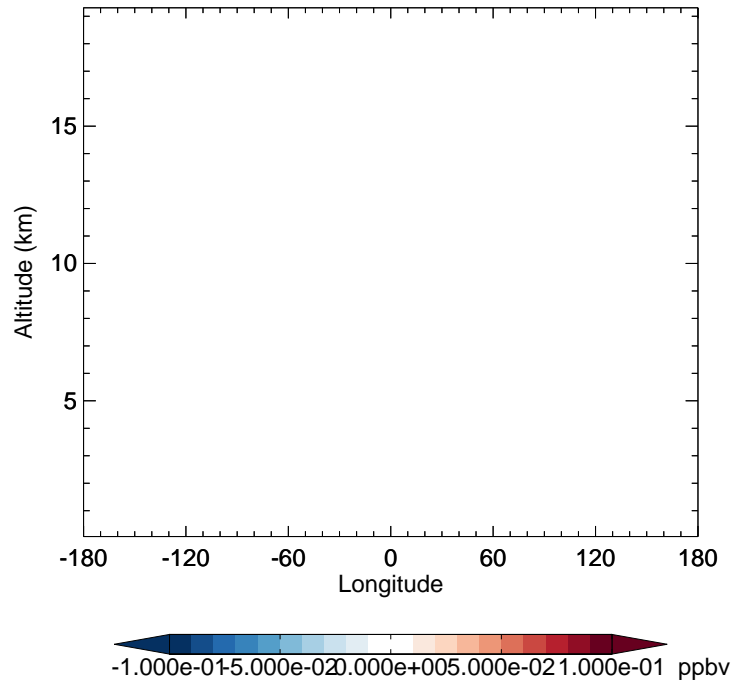


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

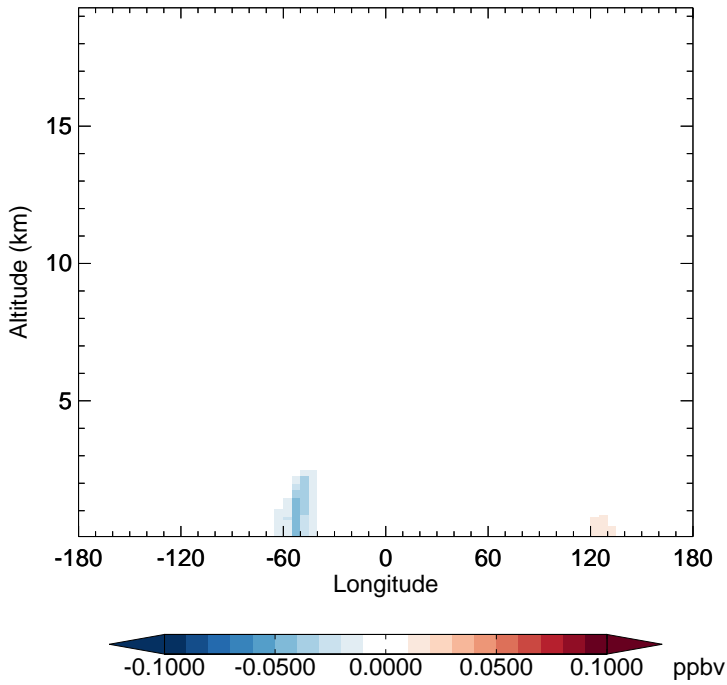
GC\_12.0.0 - v11-02f-Run1  
ISOA1 - Diff along 15S for Apr



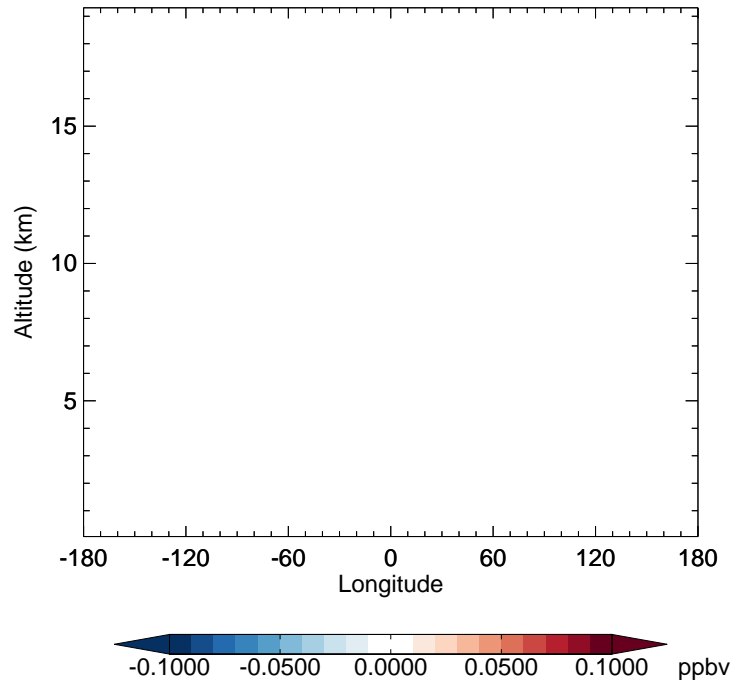
GC\_12.0.0 - v11-02f-Run1  
ISOA1 - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
ISOA1 - Diff along 15S for Apr



GC\_12.0.0 - v11-02e-Run1  
ISOA1 - Diff along 42N for Apr

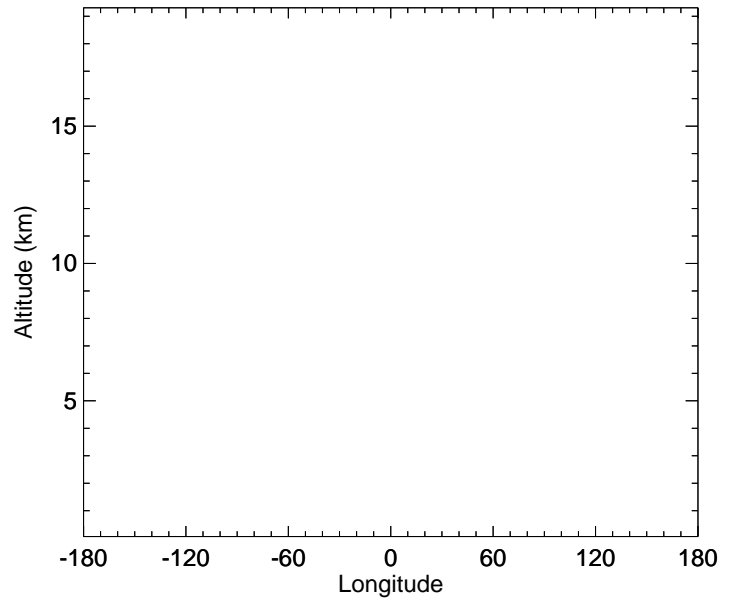


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

GC\_12.0.0 - v11-02f-Run1  
ISOA2 - Diff along 15S for Apr



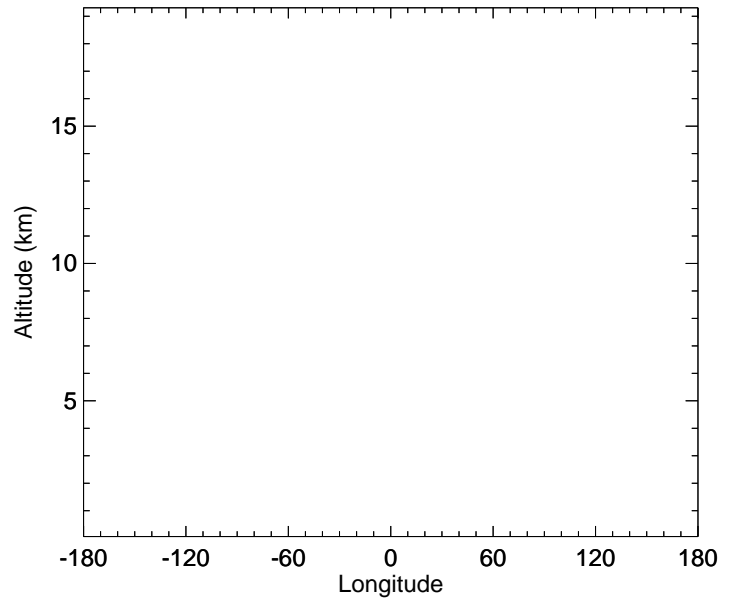
GC\_12.0.0 - v11-02f-Run1  
ISOA2 - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
ISOA2 - Diff along 15S for Apr



GC\_12.0.0 - v11-02e-Run1  
ISOA2 - Diff along 42N for Apr

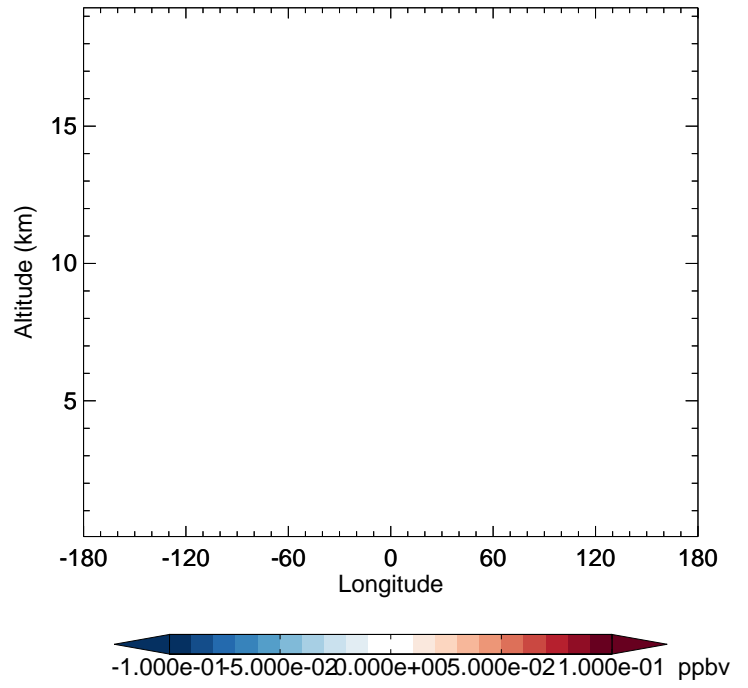


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

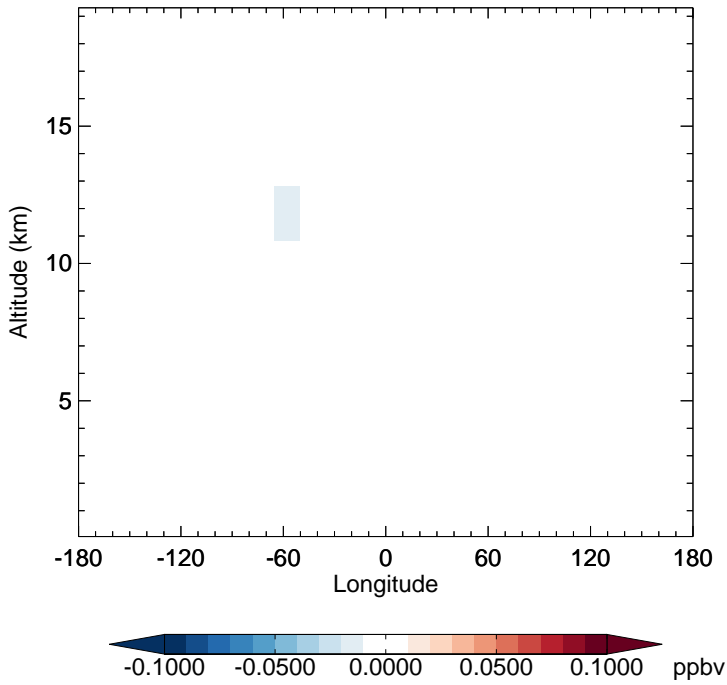
GC\_12.0.0 - v11-02f-Run1  
ISOA3 - Diff along 15S for Apr



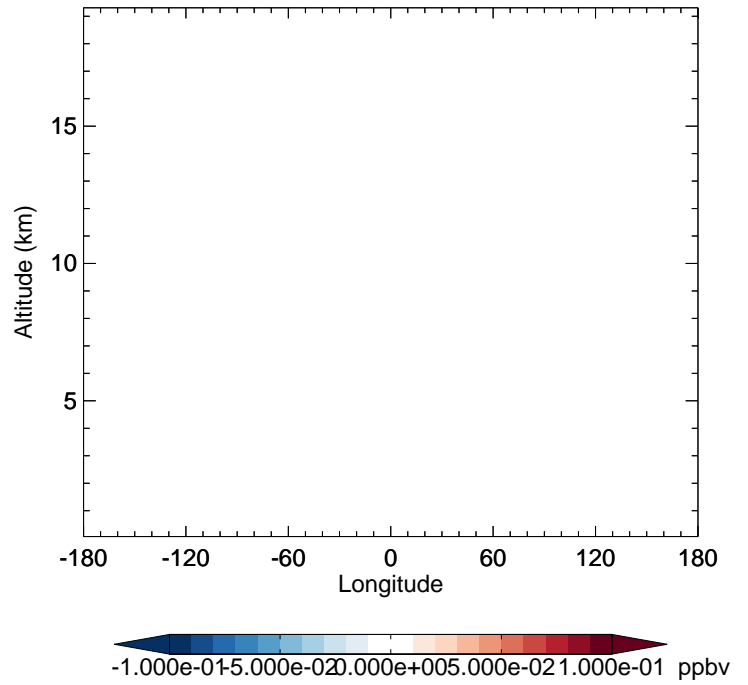
GC\_12.0.0 - v11-02f-Run1  
ISOA3 - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
ISOA3 - Diff along 15S for Apr

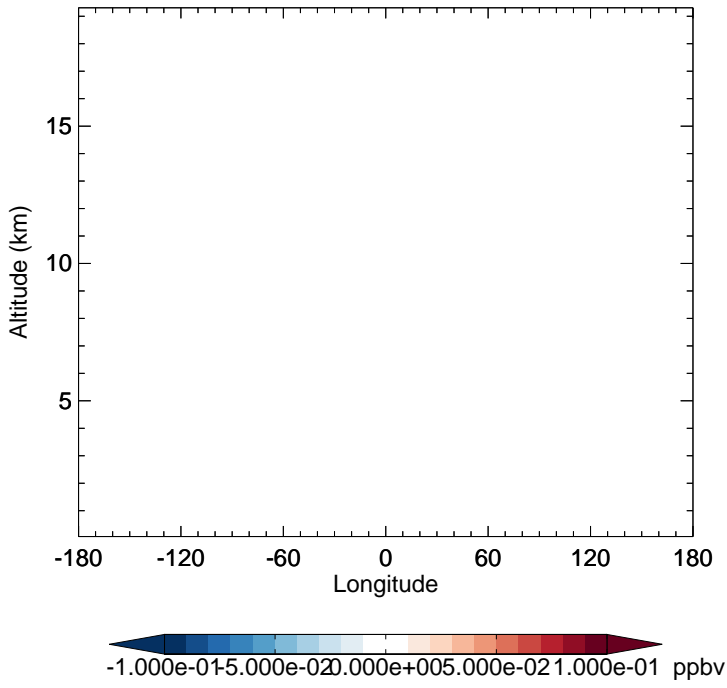


GC\_12.0.0 - v11-02e-Run1  
ISOA3 - Diff along 42N for Apr

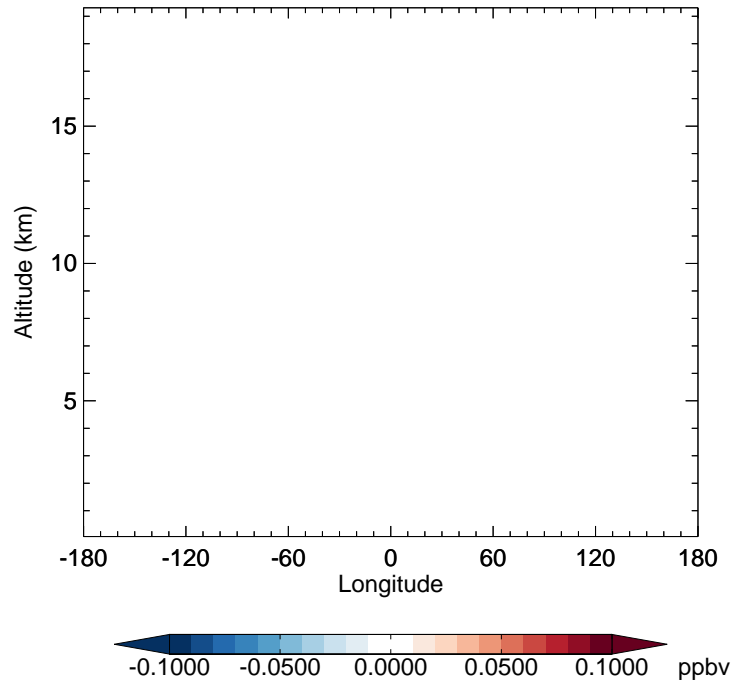


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

GC\_12.0.0 - v11-02f-Run1  
ASOG1 - Diff along 15S for Apr



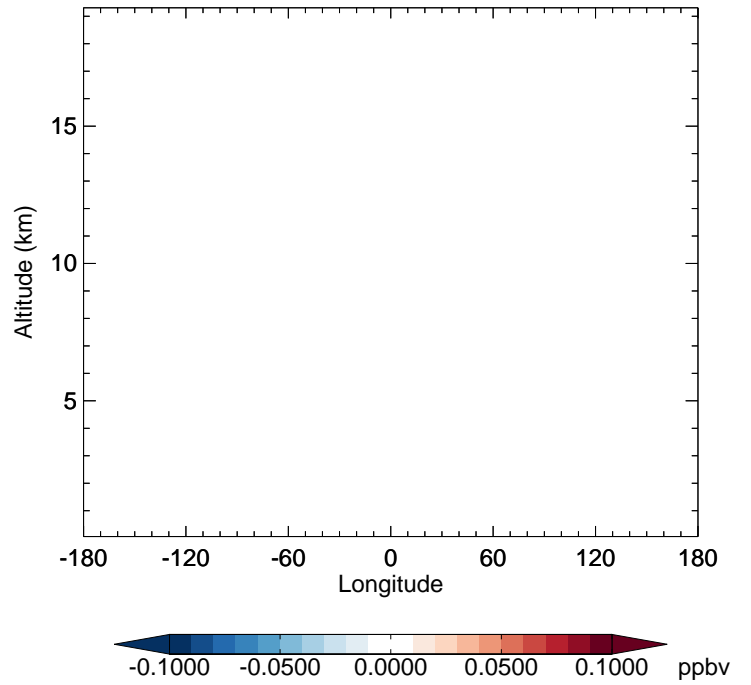
GC\_12.0.0 - v11-02f-Run1  
ASOG1 - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
ASOG1 - Diff along 15S for Apr



GC\_12.0.0 - v11-02e-Run1  
ASOG1 - Diff along 42N for Apr

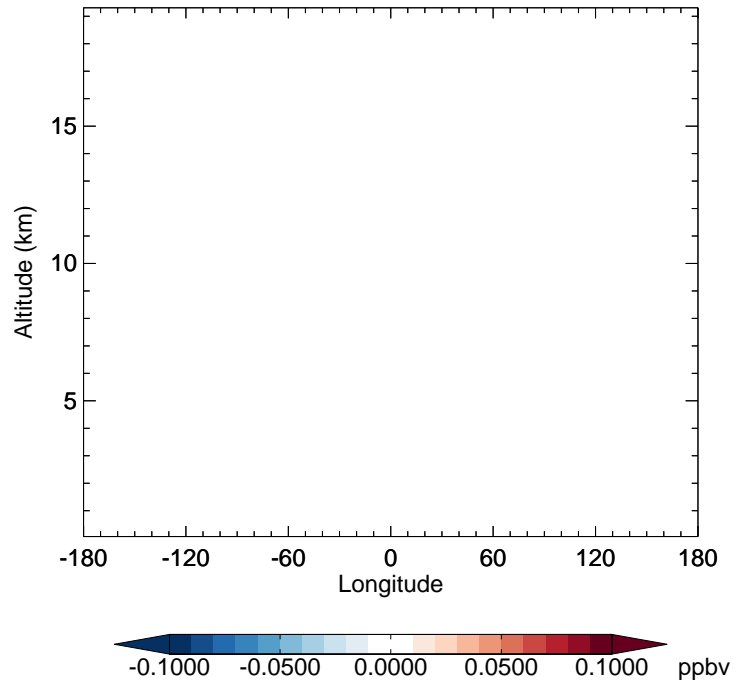


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

GC\_12.0.0 - v11-02f-Run1  
ASOG2 - Diff along 15S for Apr



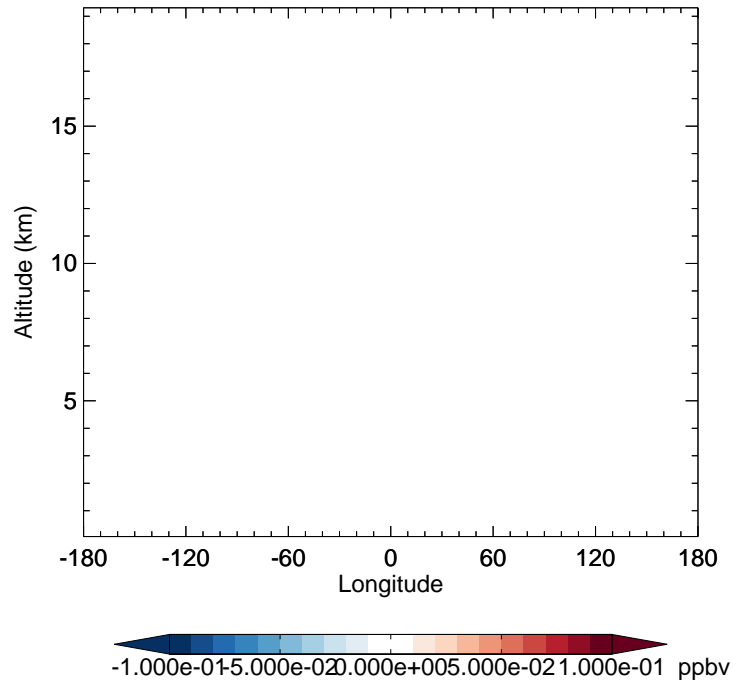
GC\_12.0.0 - v11-02f-Run1  
ASOG2 - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
ASOG2 - Diff along 15S for Apr



GC\_12.0.0 - v11-02e-Run1  
ASOG2 - Diff along 42N for Apr



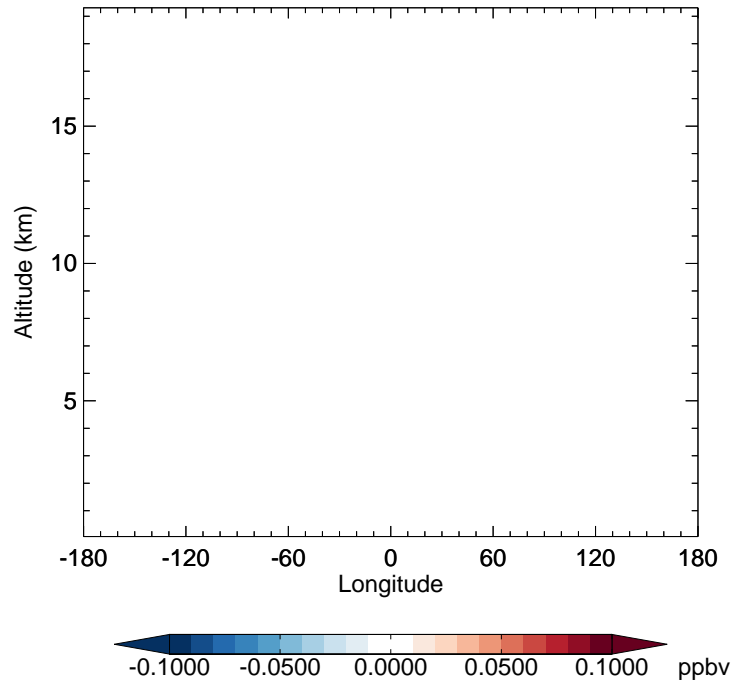


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

GC\_12.0.0 - v11-02f-Run1  
ASOG3 - Diff along 15S for Apr



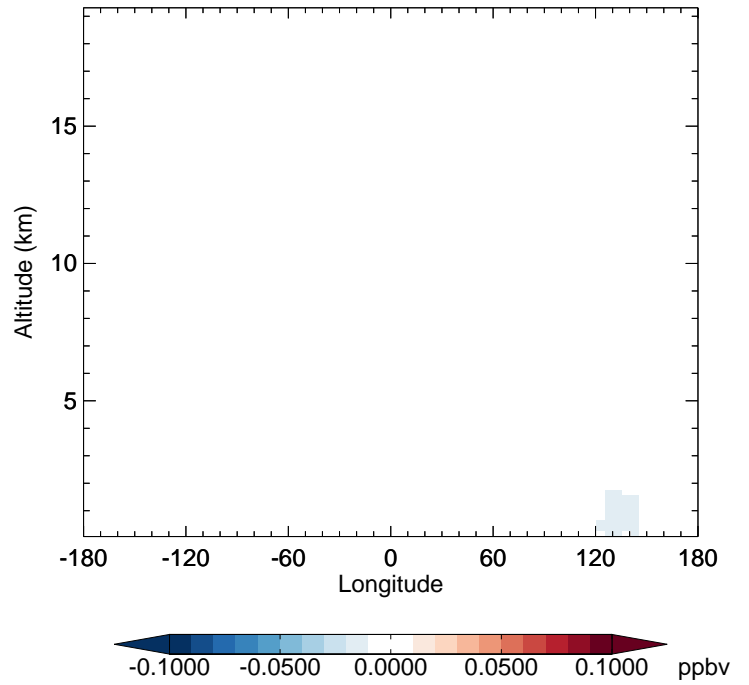
GC\_12.0.0 - v11-02f-Run1  
ASOG3 - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
ASOG3 - Diff along 15S for Apr



GC\_12.0.0 - v11-02e-Run1  
ASOG3 - Diff along 42N for Apr

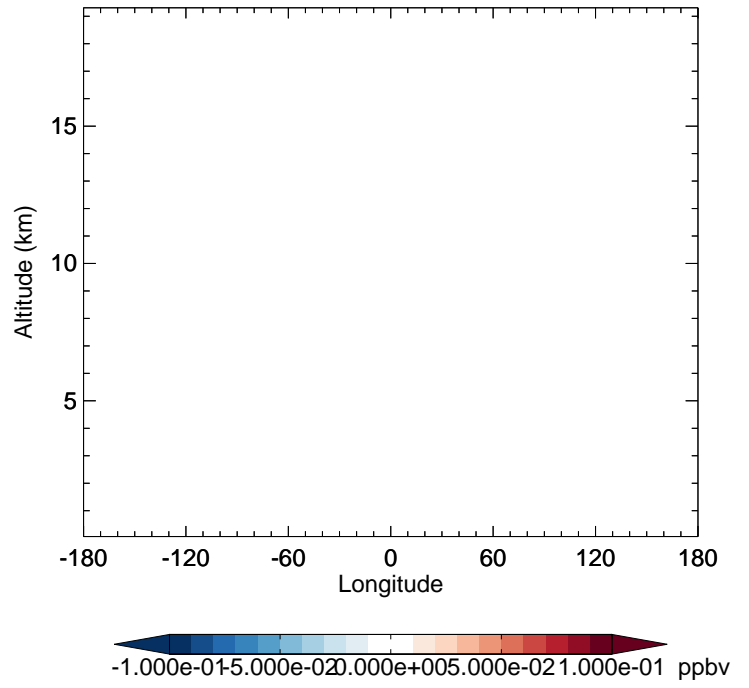


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

GC\_12.0.0 - v11-02f-Run1  
ASOAN - Diff along 15S for Apr



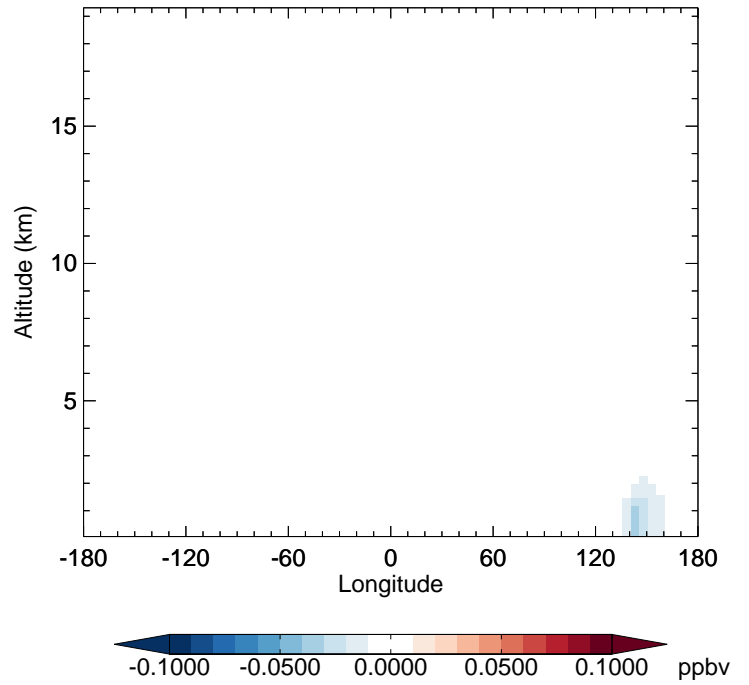
GC\_12.0.0 - v11-02f-Run1  
ASOAN - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
ASOAN - Diff along 15S for Apr



GC\_12.0.0 - v11-02e-Run1  
ASOAN - Diff along 42N for Apr

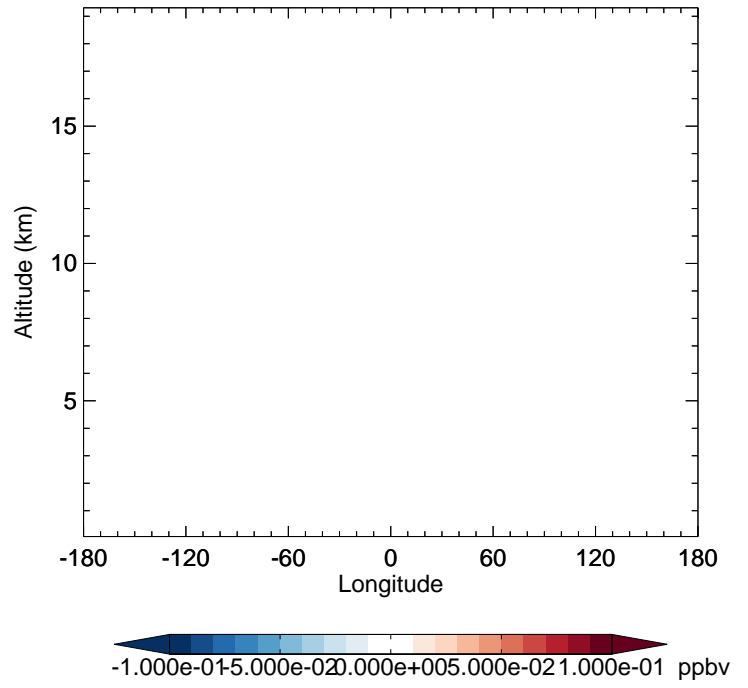


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

GC\_12.0.0 - v11-02f-Run1  
ASOA1 - Diff along 15S for Apr



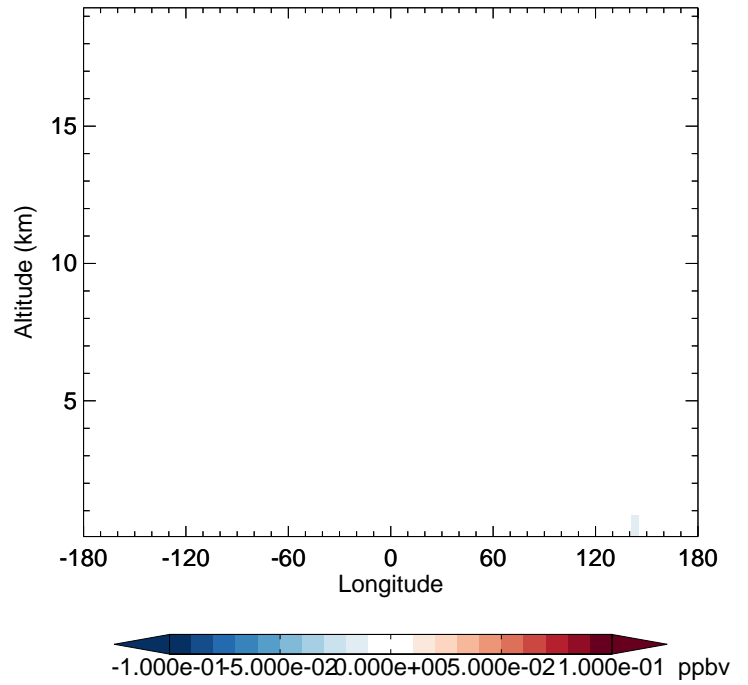
GC\_12.0.0 - v11-02f-Run1  
ASOA1 - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
ASOA1 - Diff along 15S for Apr



GC\_12.0.0 - v11-02e-Run1  
ASOA1 - Diff along 42N for Apr

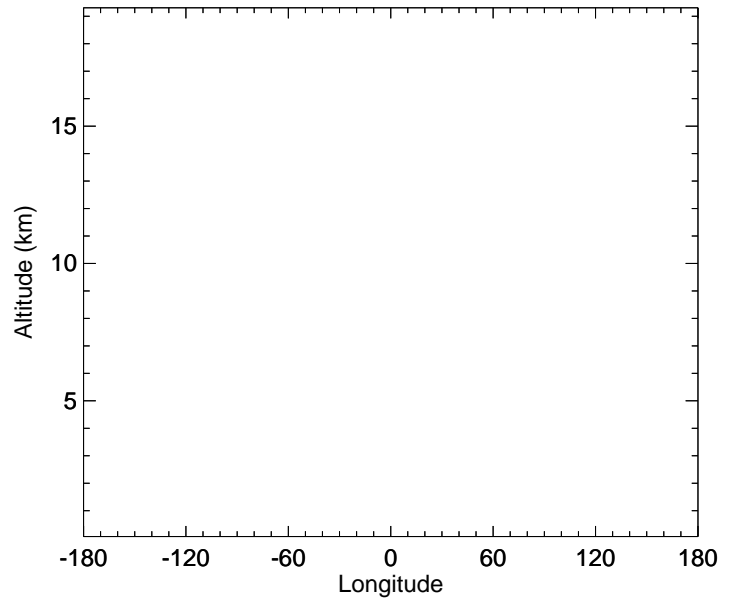


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

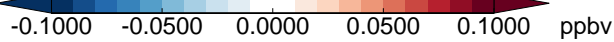
GC\_12.0.0 - v11-02f-Run1  
ASOA2 - Diff along 15S for Apr



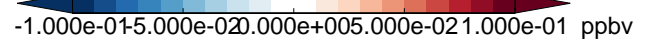
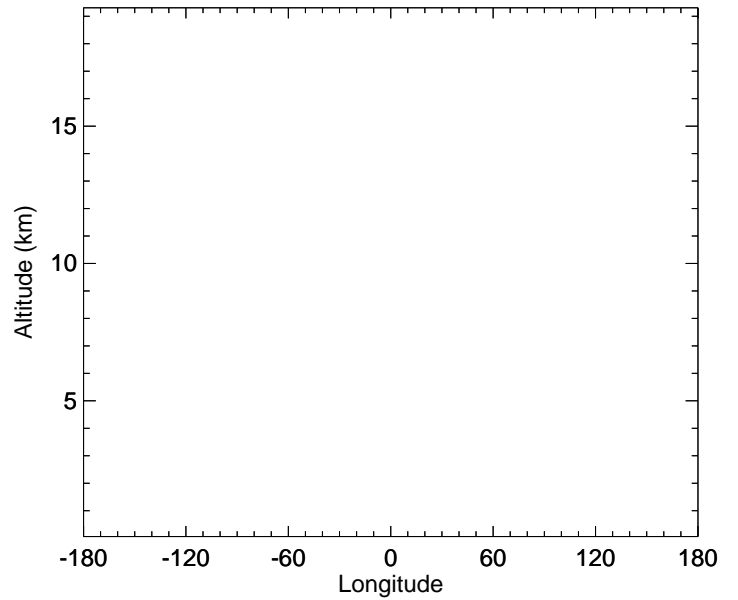
GC\_12.0.0 - v11-02f-Run1  
ASOA2 - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
ASOA2 - Diff along 15S for Apr



GC\_12.0.0 - v11-02e-Run1  
ASOA2 - Diff along 42N for Apr

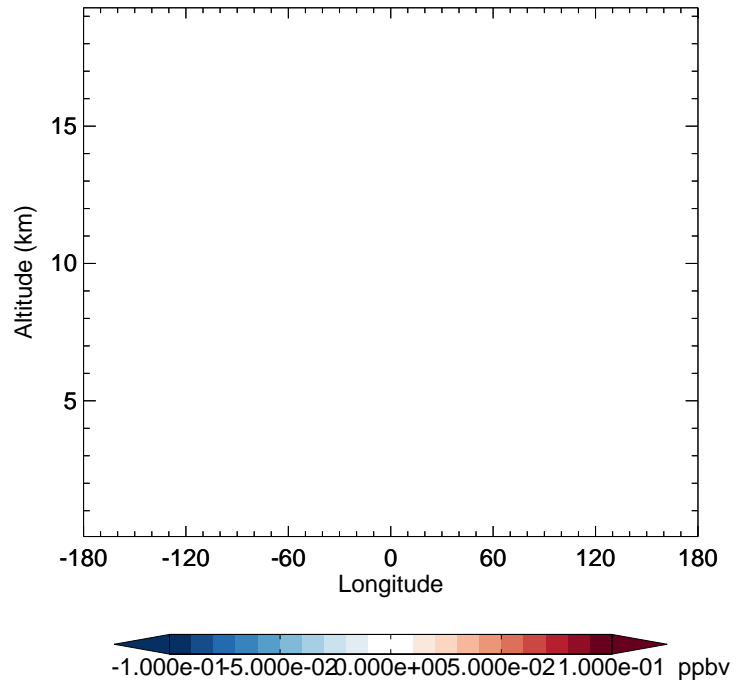


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

GC\_12.0.0 - v11-02f-Run1  
ASOA3 - Diff along 15S for Apr



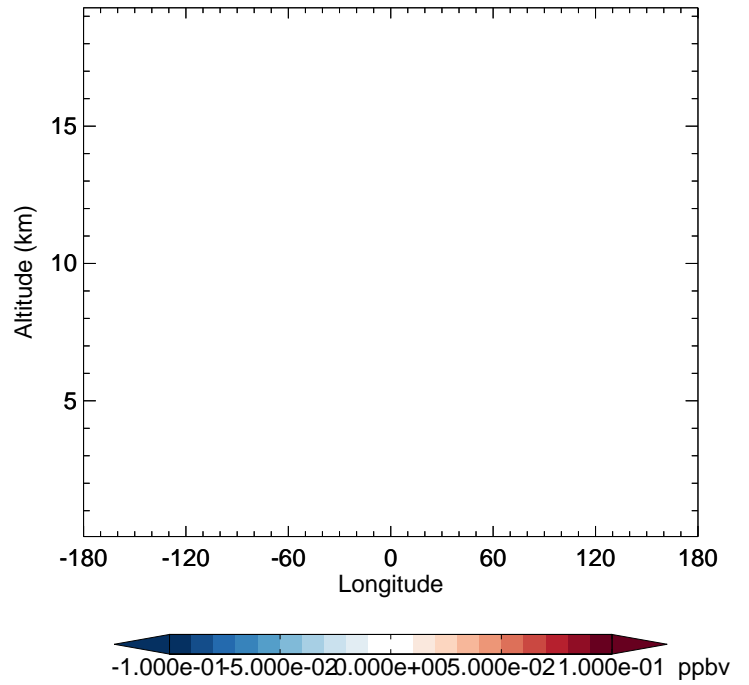
GC\_12.0.0 - v11-02f-Run1  
ASOA3 - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
ASOA3 - Diff along 15S for Apr

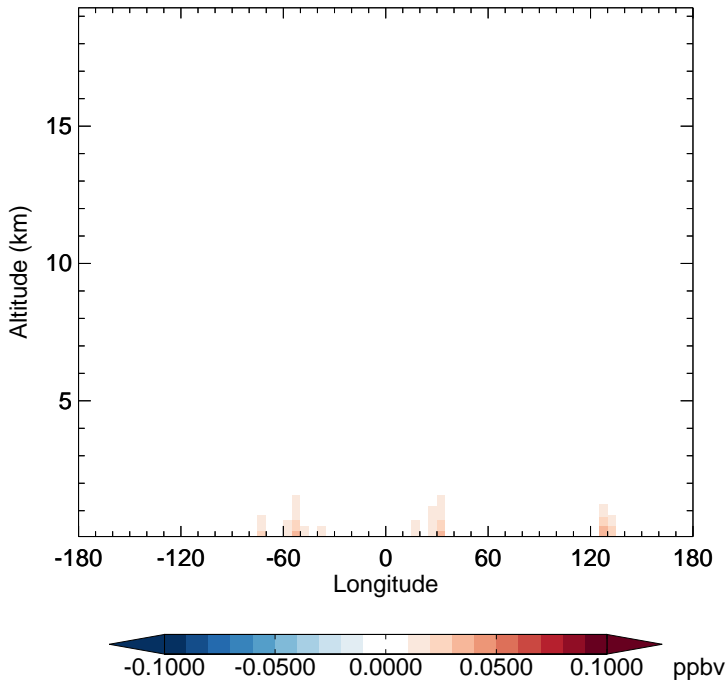


GC\_12.0.0 - v11-02e-Run1  
ASOA3 - Diff along 42N for Apr

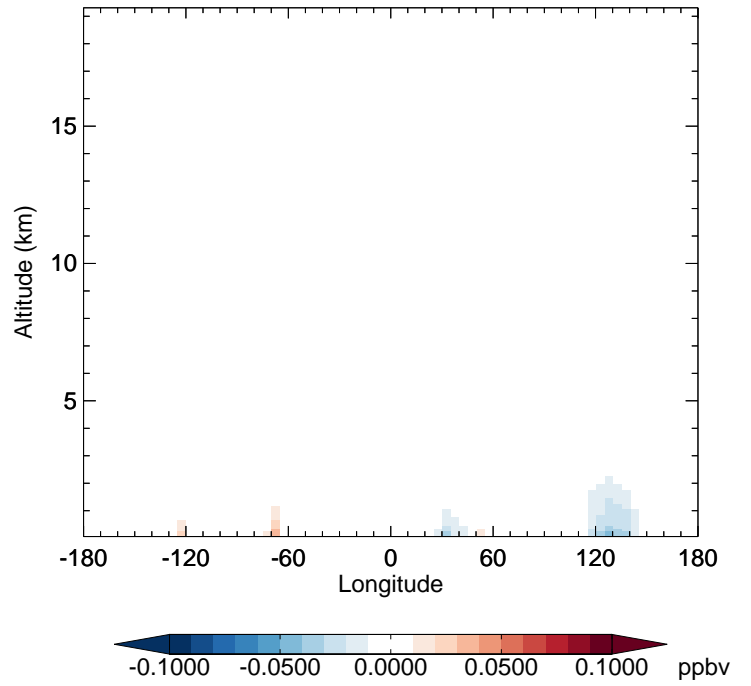


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

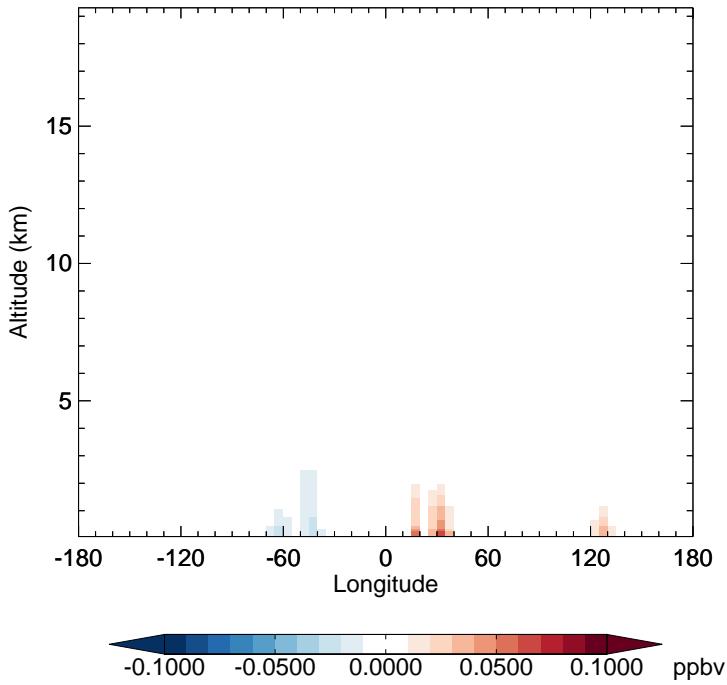
GC\_12.0.0 - v11-02f-Run1  
SOAP - Diff along 15S for Apr



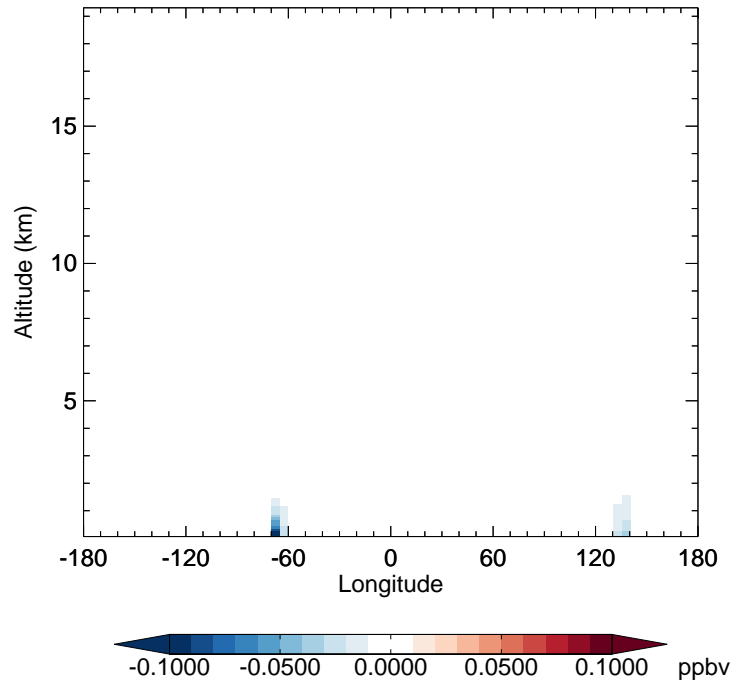
GC\_12.0.0 - v11-02f-Run1  
SOAP - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
SOAP - Diff along 15S for Apr

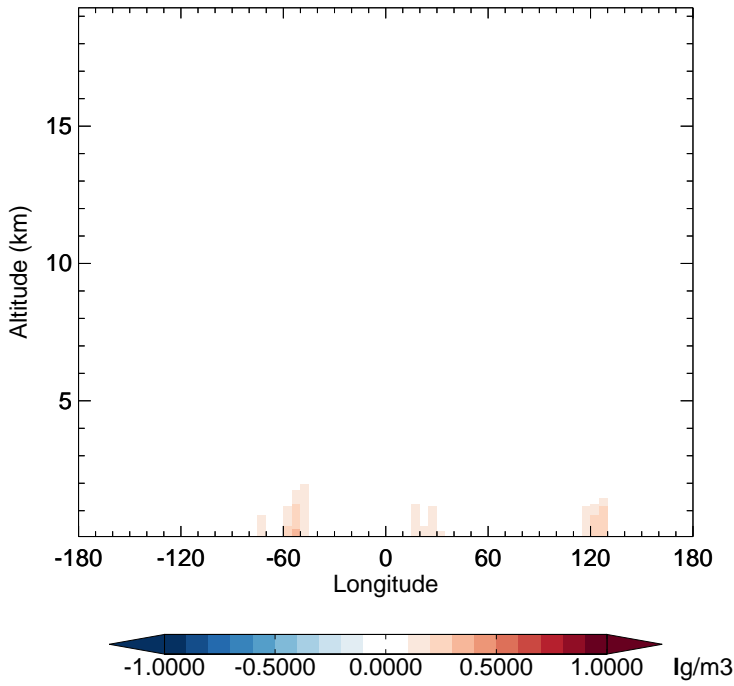


GC\_12.0.0 - v11-02e-Run1  
SOAP - Diff along 42N for Apr

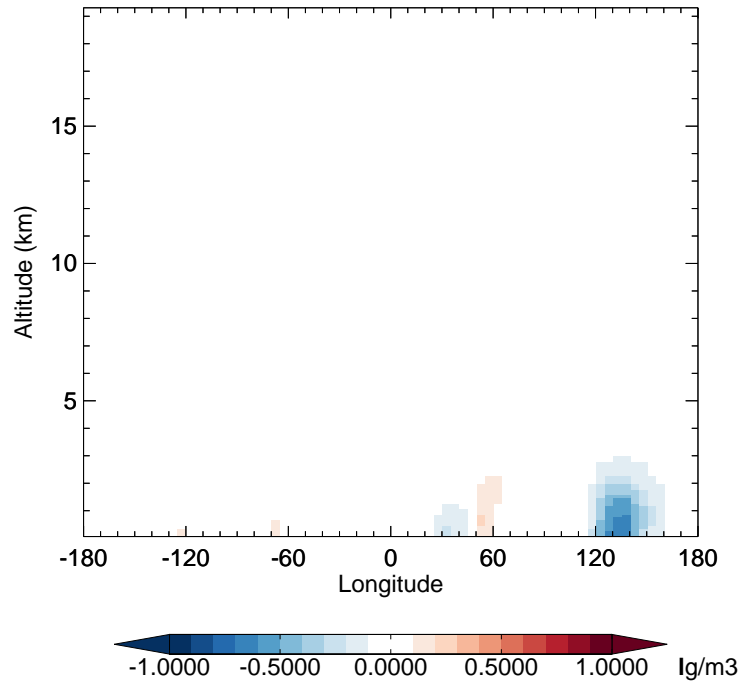


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

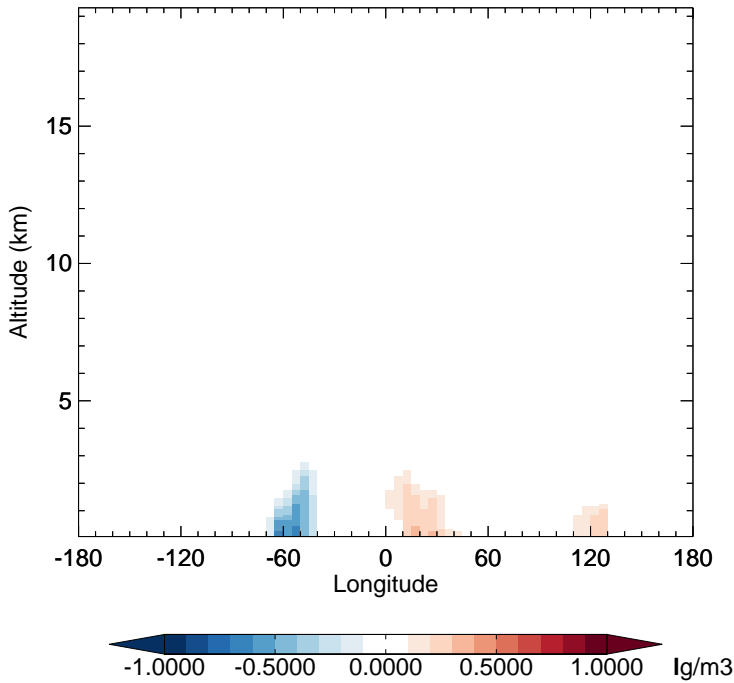
GC\_12.0.0 - v11-02f-Run1  
SOAS - Diff along 15S for Apr



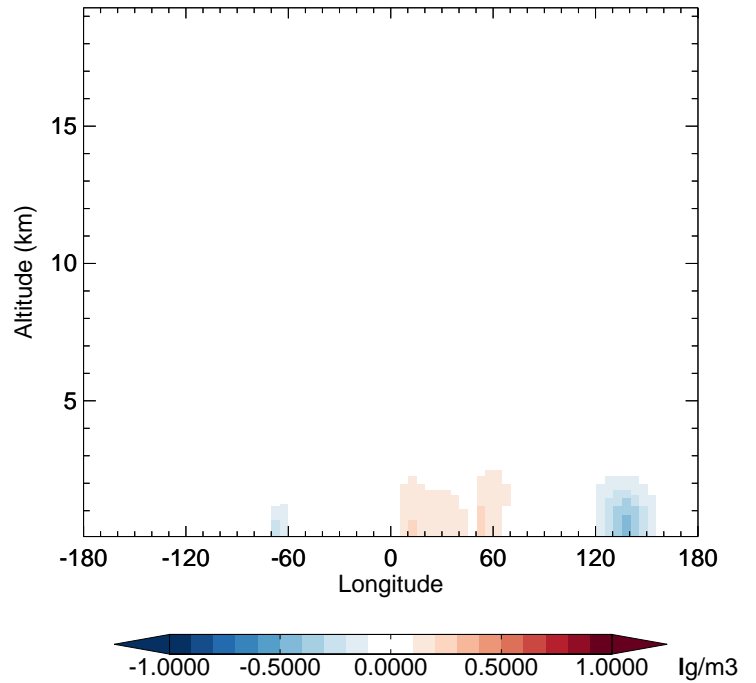
GC\_12.0.0 - v11-02f-Run1  
SOAS - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
SOAS - Diff along 15S for Apr

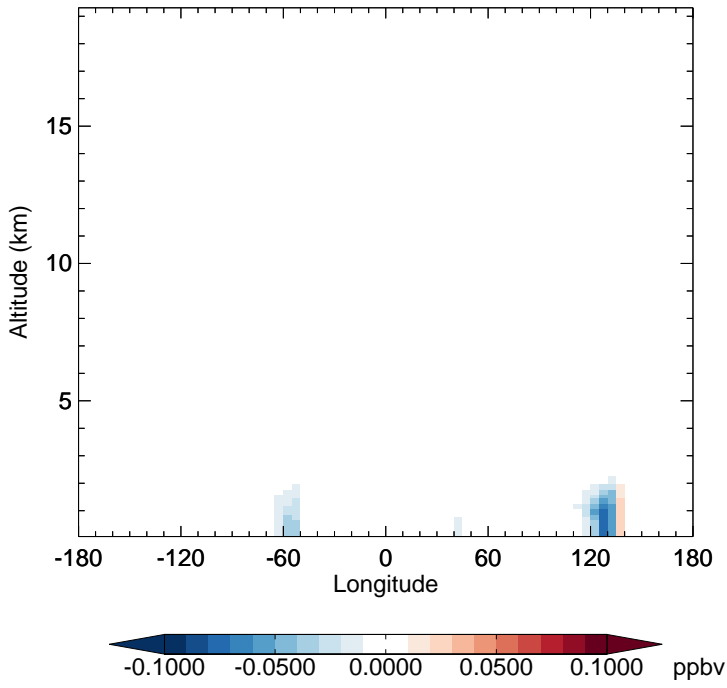


GC\_12.0.0 - v11-02e-Run1  
SOAS - Diff along 42N for Apr

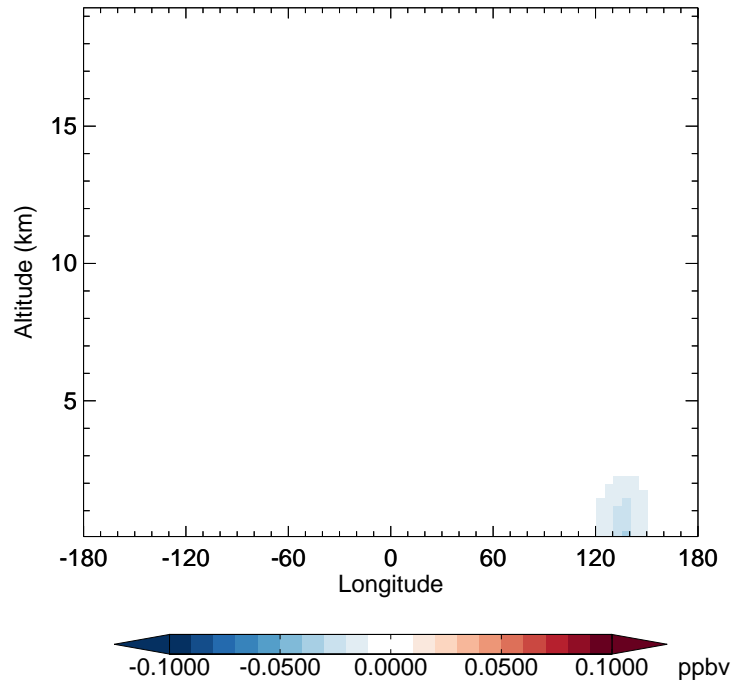


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

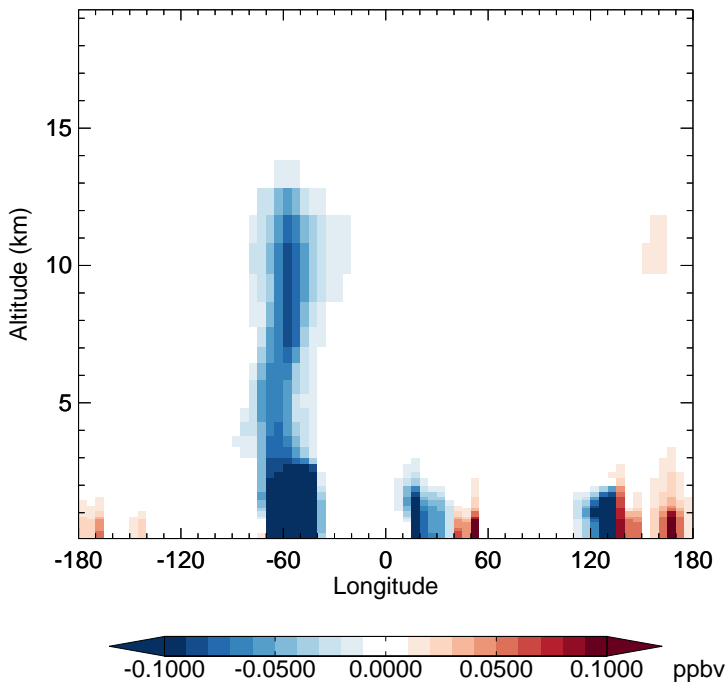
GC\_12.0.0 - v11-02f-Run1  
EOH - Diff along 15S for Apr



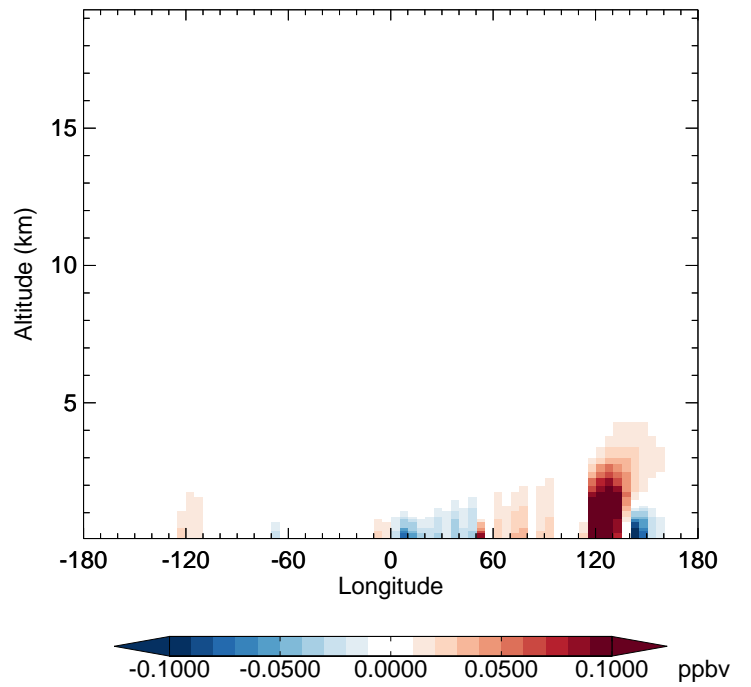
GC\_12.0.0 - v11-02f-Run1  
EOH - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
EOH - Diff along 15S for Apr



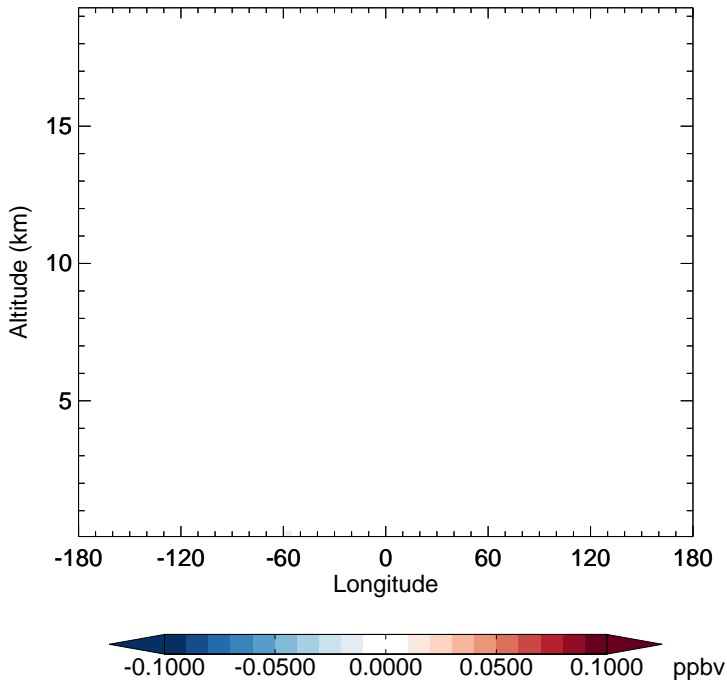
GC\_12.0.0 - v11-02e-Run1  
EOH - Diff along 42N for Apr



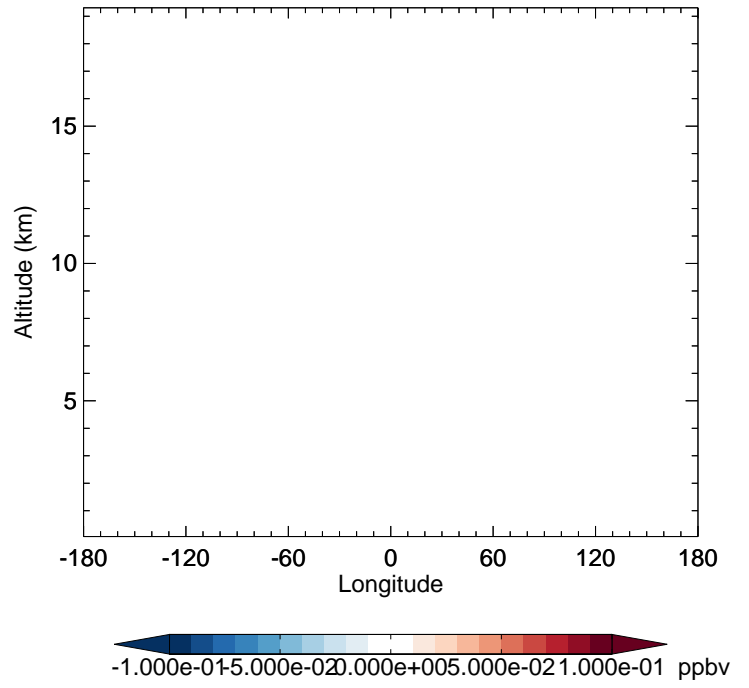


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

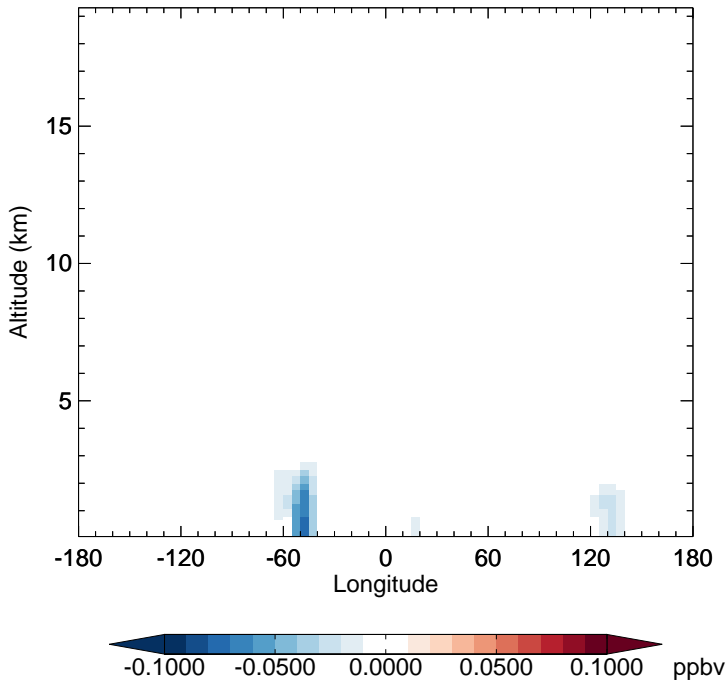
GC\_12.0.0 - v11-02f-Run1  
MGLY - Diff along 15S for Apr



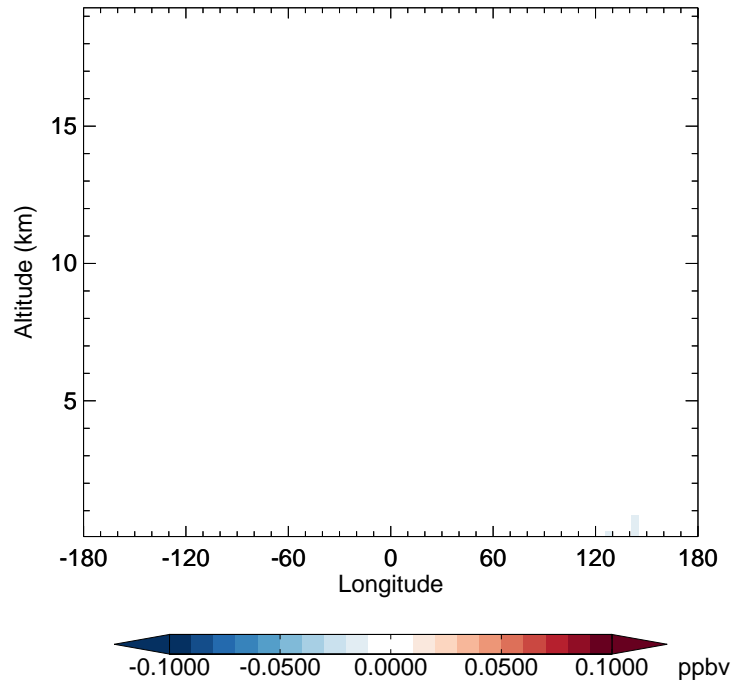
GC\_12.0.0 - v11-02f-Run1  
MGLY - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
MGLY - Diff along 15S for Apr



GC\_12.0.0 - v11-02e-Run1  
MGLY - Diff along 42N for Apr

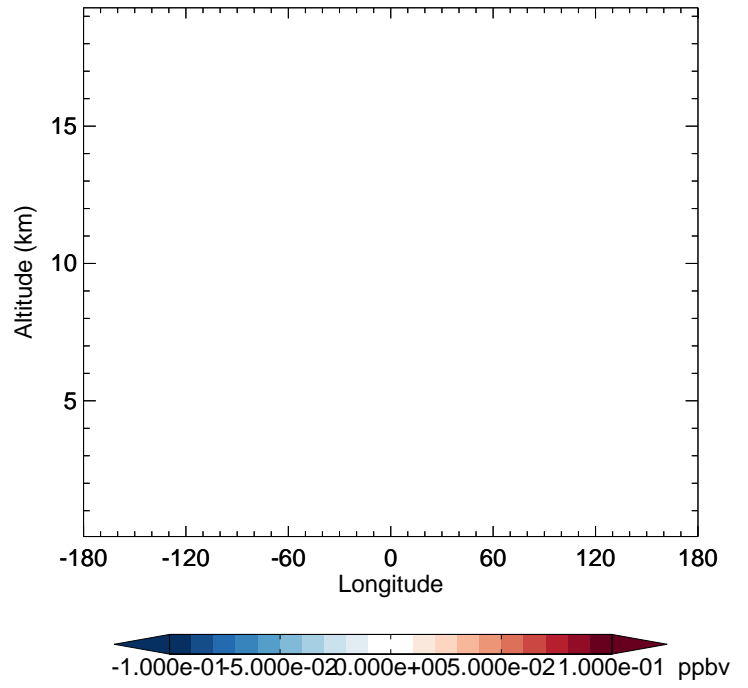


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

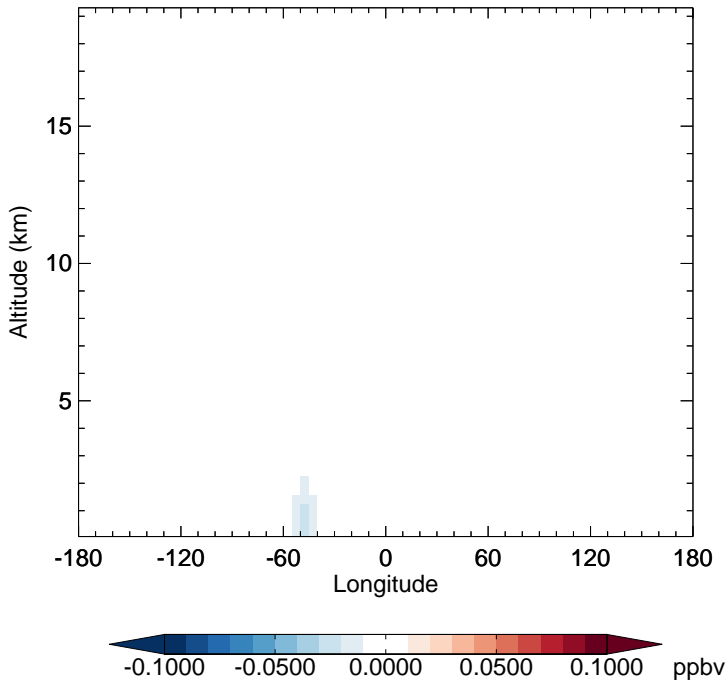
GC\_12.0.0 - v11-02f-Run1  
GLYX - Diff along 15S for Apr



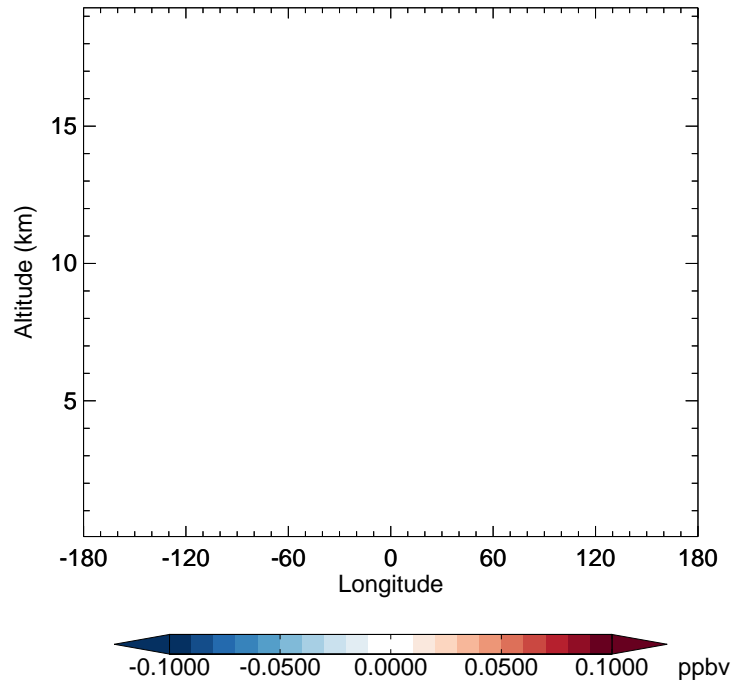
GC\_12.0.0 - v11-02f-Run1  
GLYX - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
GLYX - Diff along 15S for Apr

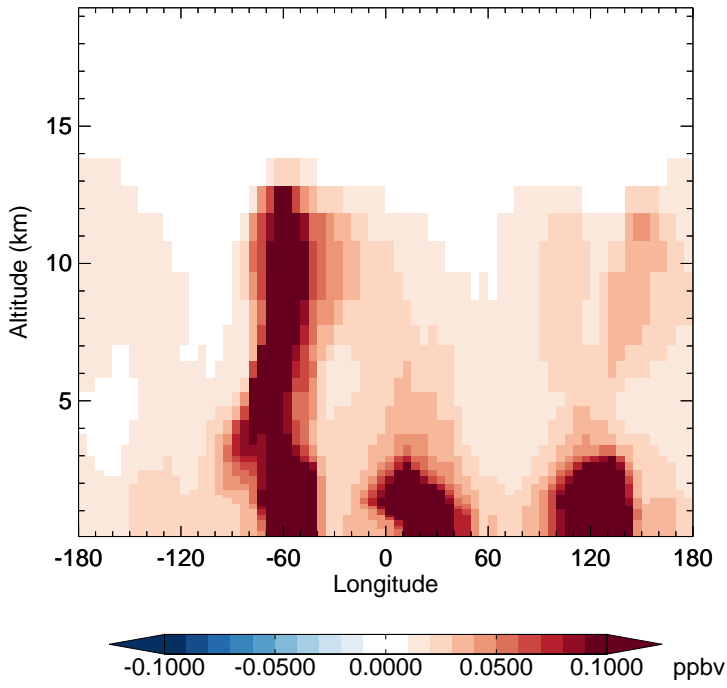


GC\_12.0.0 - v11-02e-Run1  
GLYX - Diff along 42N for Apr

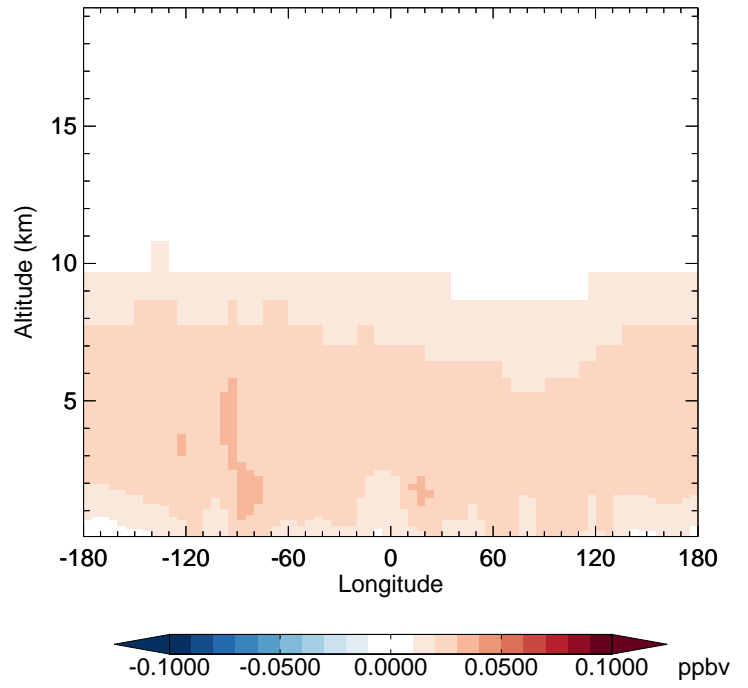


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

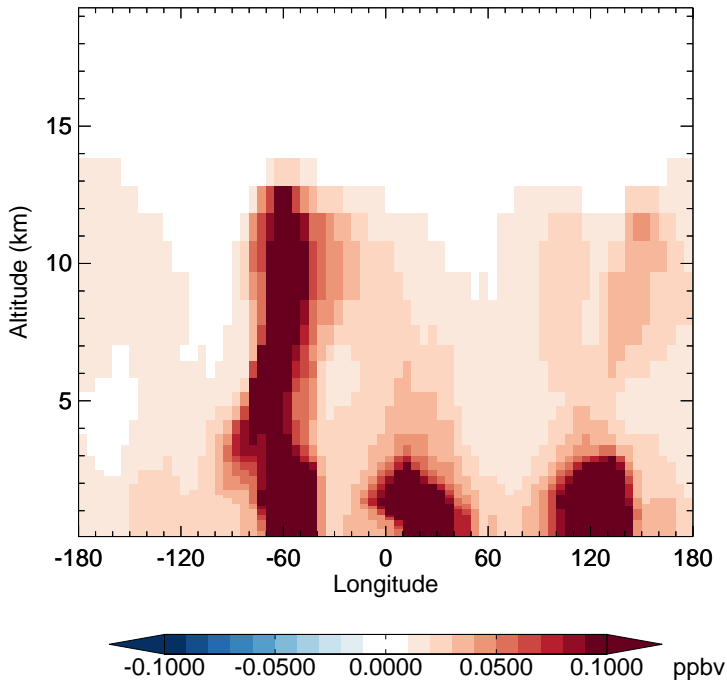
GC\_12.0.0 - v11-02f-Run1  
ACTA - Diff along 15S for Apr



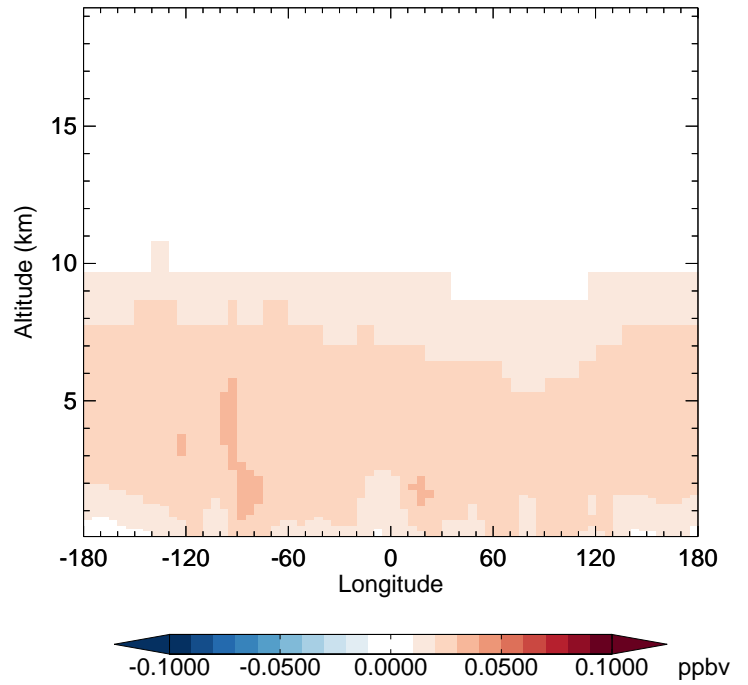
GC\_12.0.0 - v11-02f-Run1  
ACTA - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
ACTA - Diff along 15S for Apr

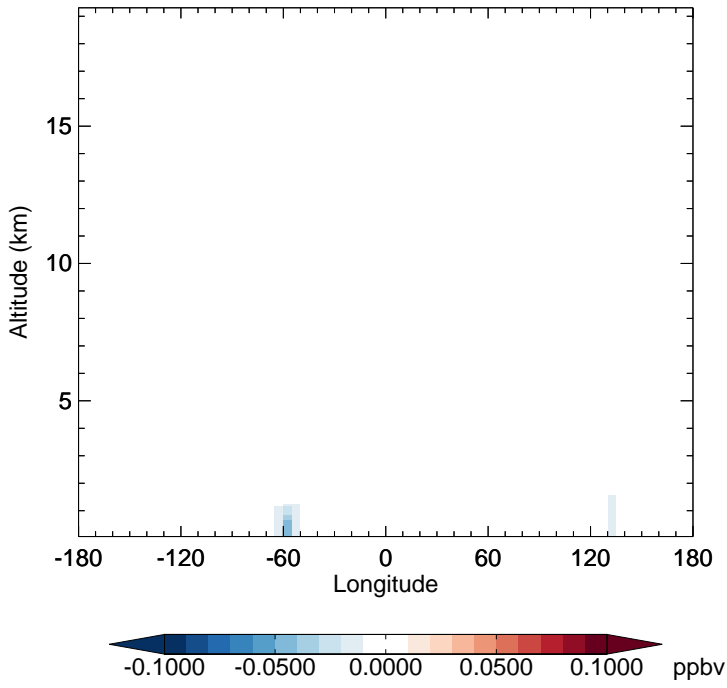


GC\_12.0.0 - v11-02e-Run1  
ACTA - Diff along 42N for Apr

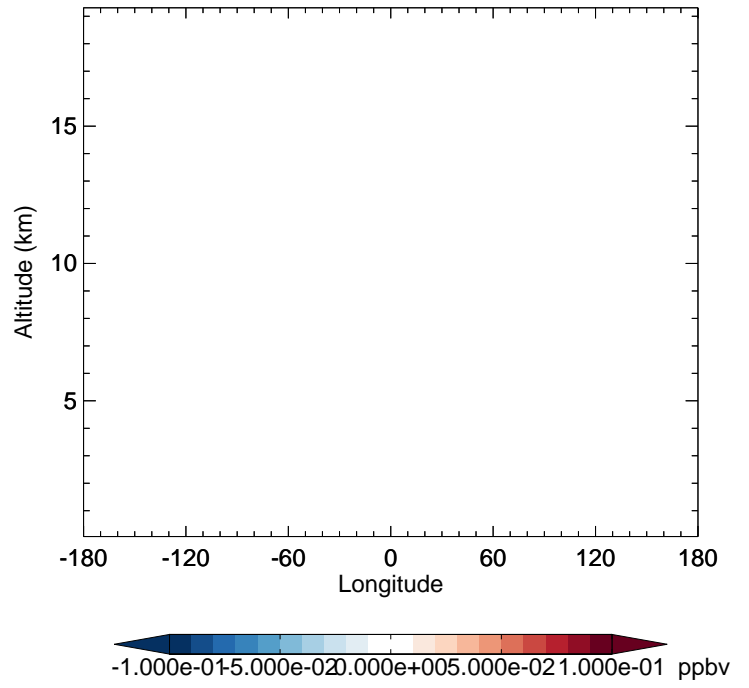


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

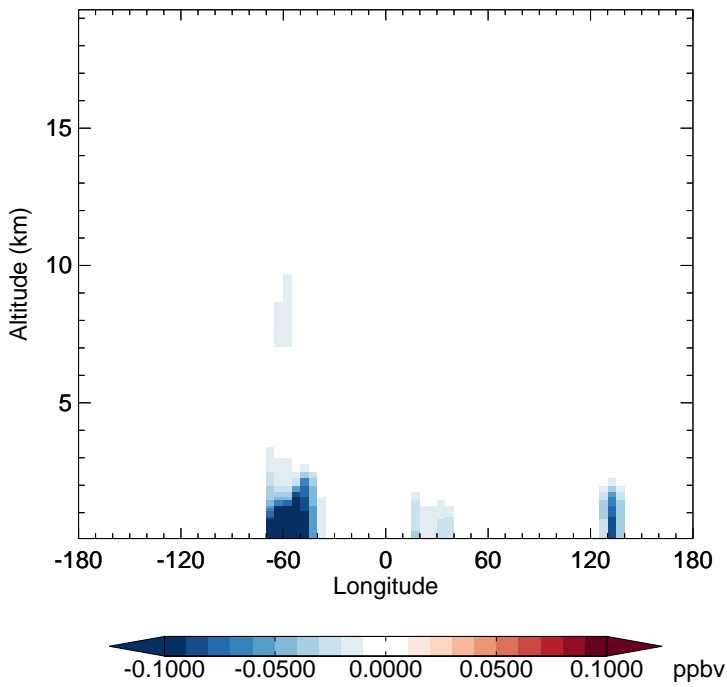
GC\_12.0.0 - v11-02f-Run1  
HPALD - Diff along 15S for Apr



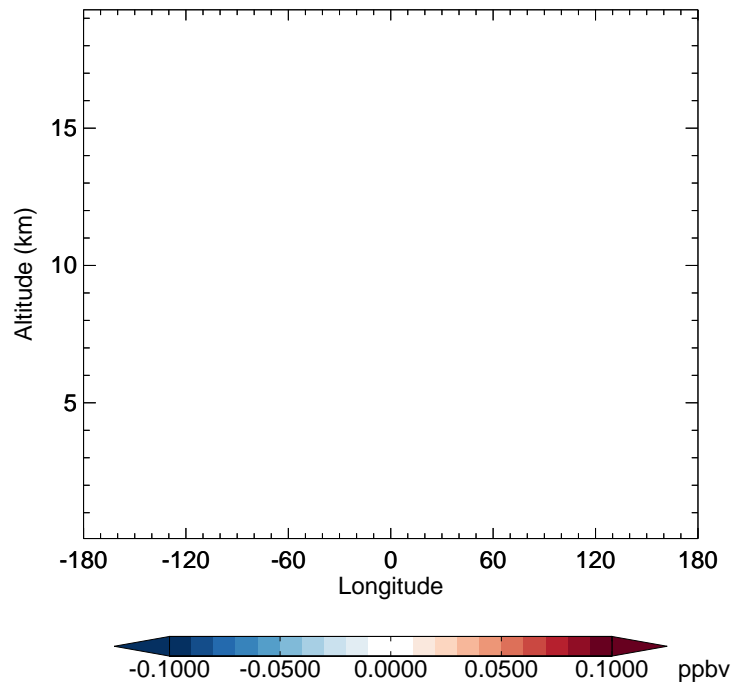
GC\_12.0.0 - v11-02f-Run1  
HPALD - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
HPALD - Diff along 15S for Apr



GC\_12.0.0 - v11-02e-Run1  
HPALD - Diff along 42N for Apr

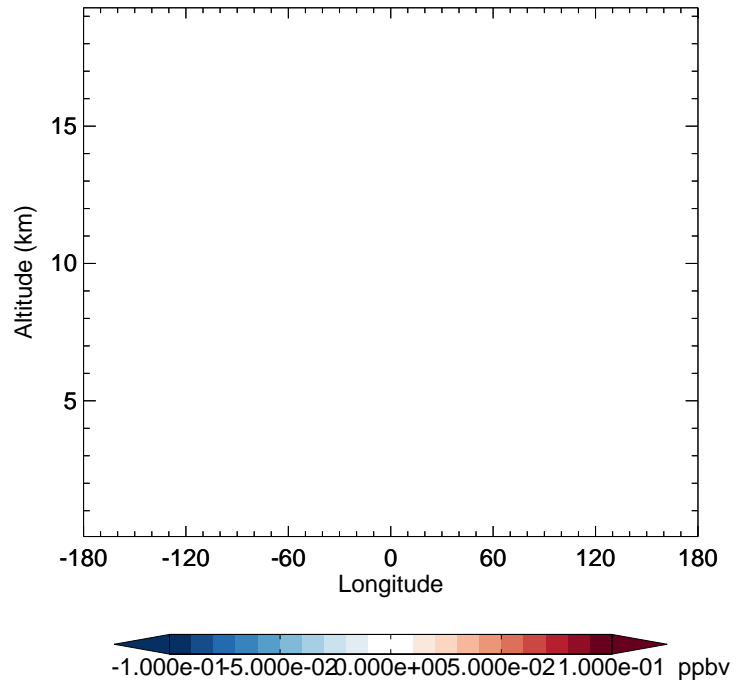


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

GC\_12.0.0 - v11-02f-Run1  
DHDN - Diff along 15S for Apr



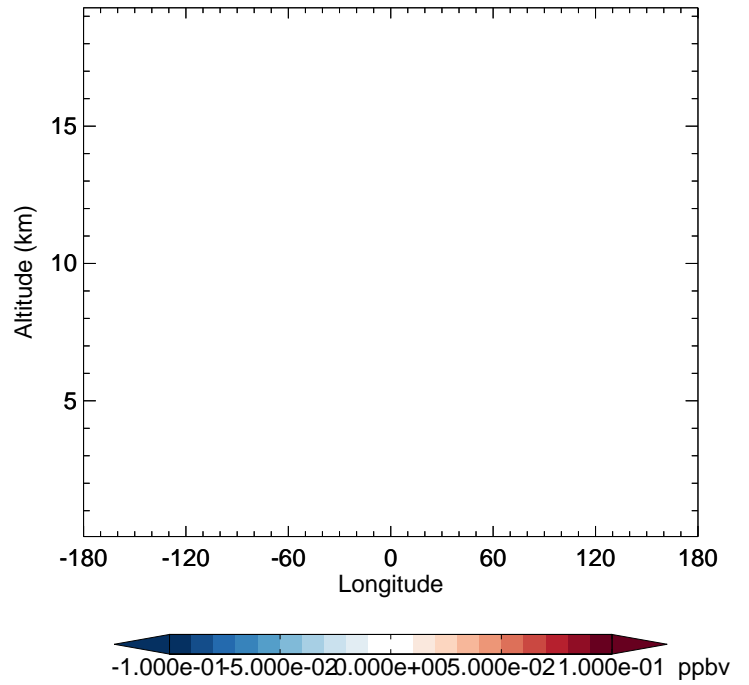
GC\_12.0.0 - v11-02f-Run1  
DHDN - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
DHDN - Diff along 15S for Apr



GC\_12.0.0 - v11-02e-Run1  
DHDN - Diff along 42N for Apr

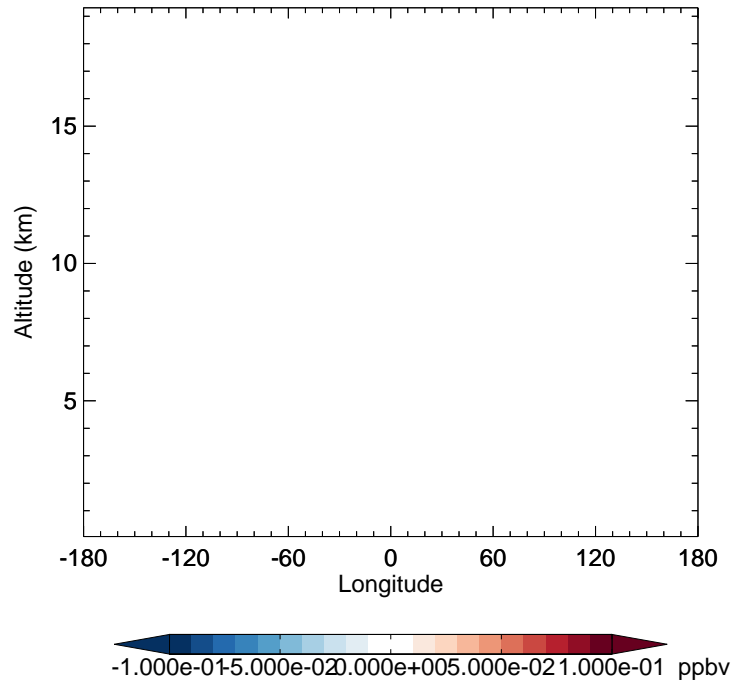


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

GC\_12.0.0 - v11-02f-Run1  
ETHLN - Diff along 15S for Apr



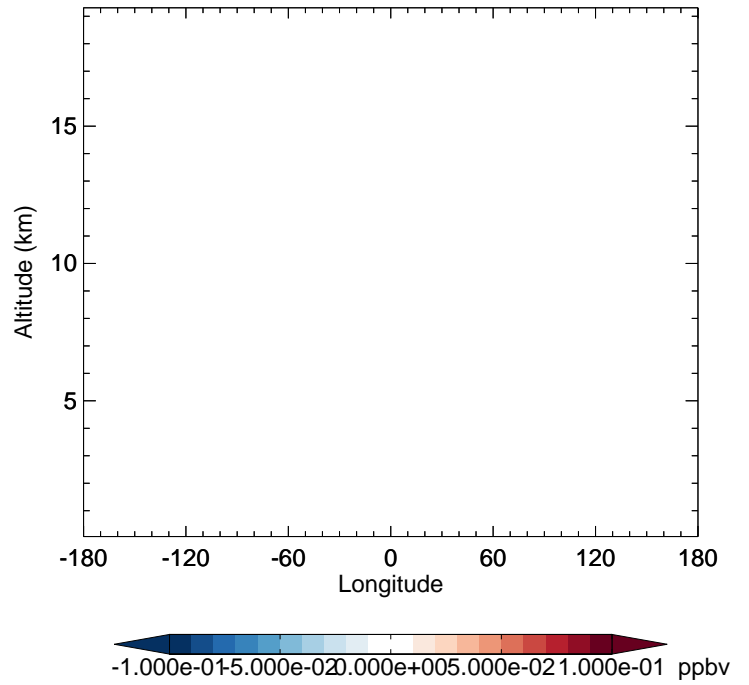
GC\_12.0.0 - v11-02f-Run1  
ETHLN - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
ETHLN - Diff along 15S for Apr

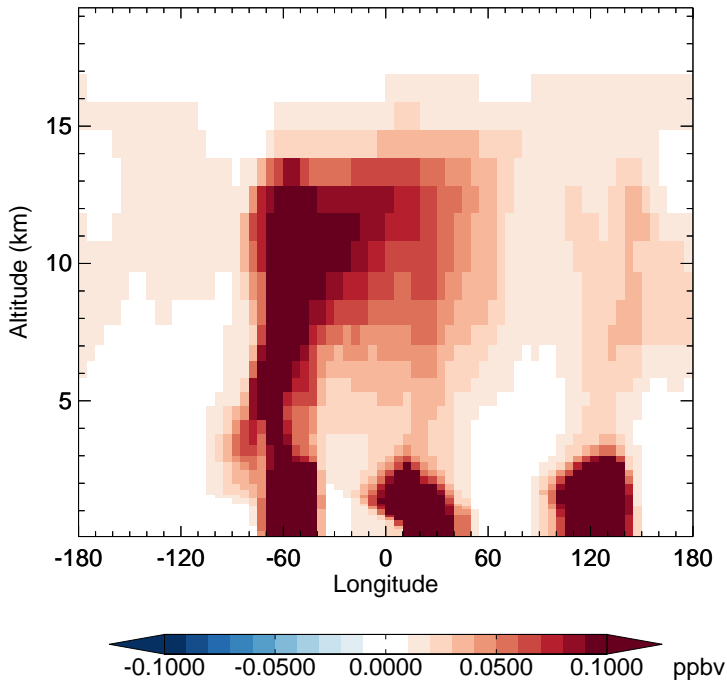


GC\_12.0.0 - v11-02e-Run1  
ETHLN - Diff along 42N for Apr

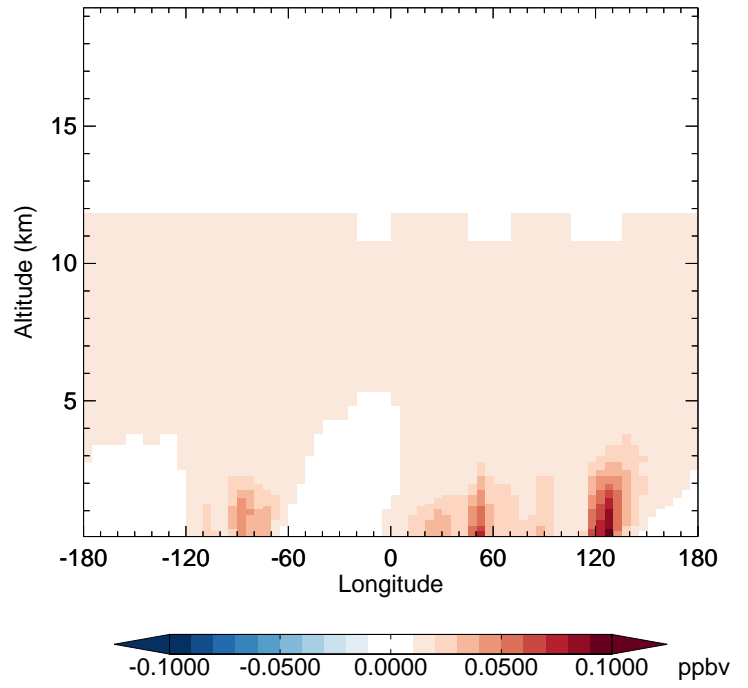


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

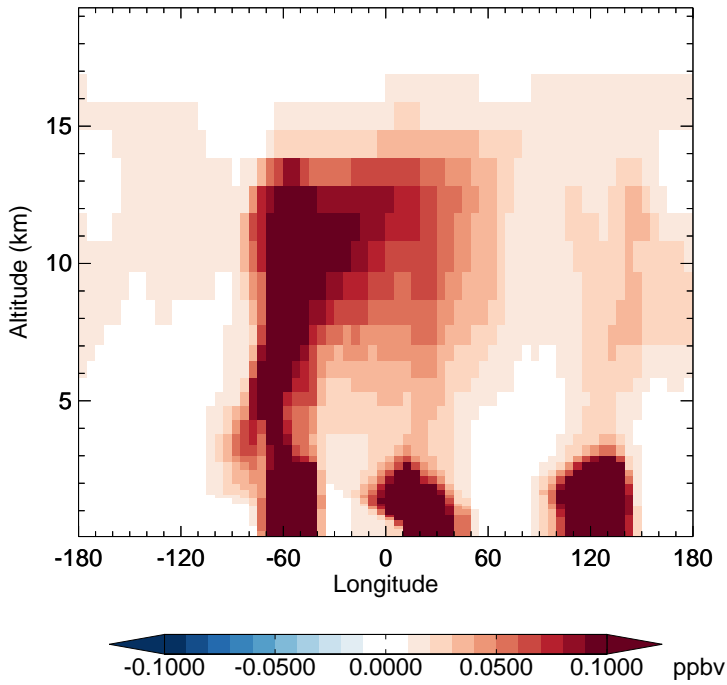
GC\_12.0.0 - v11-02f-Run1  
HCOOH - Diff along 15S for Apr



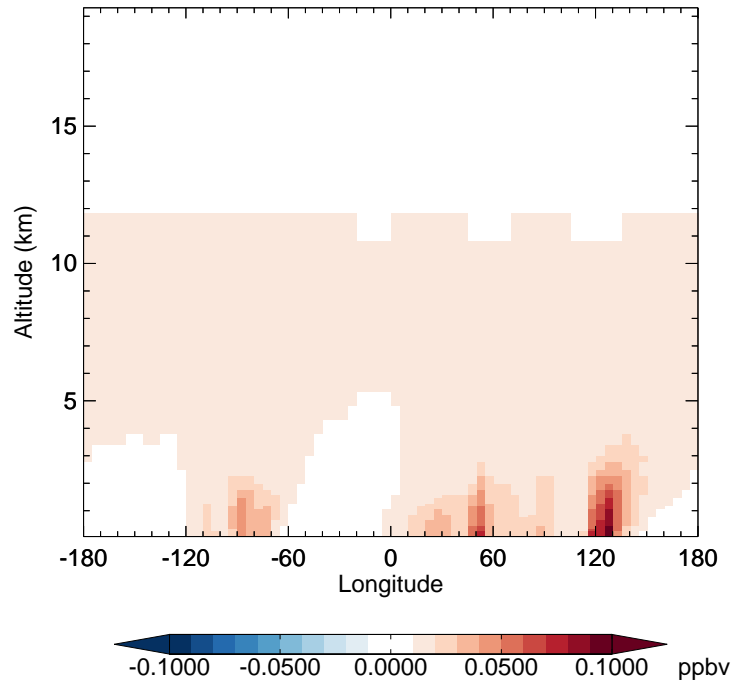
GC\_12.0.0 - v11-02f-Run1  
HCOOH - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
HCOOH - Diff along 15S for Apr

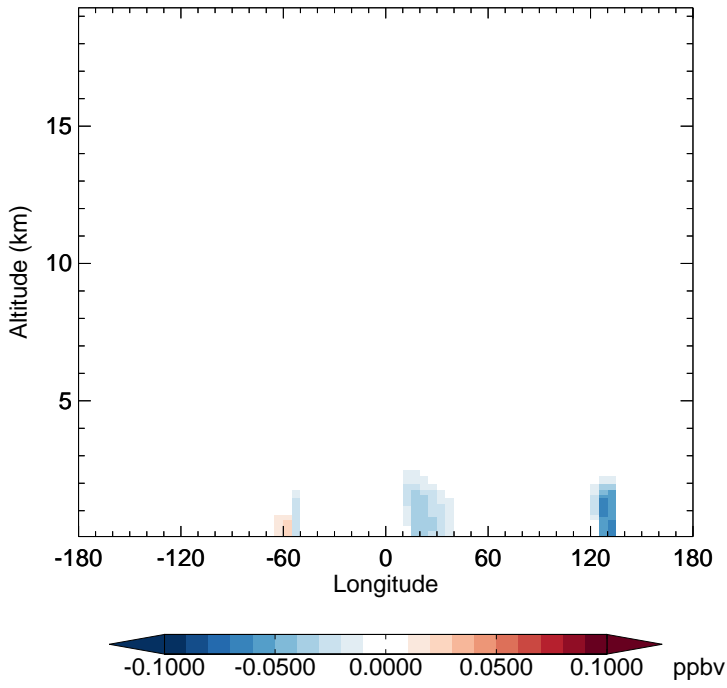


GC\_12.0.0 - v11-02e-Run1  
HCOOH - Diff along 42N for Apr

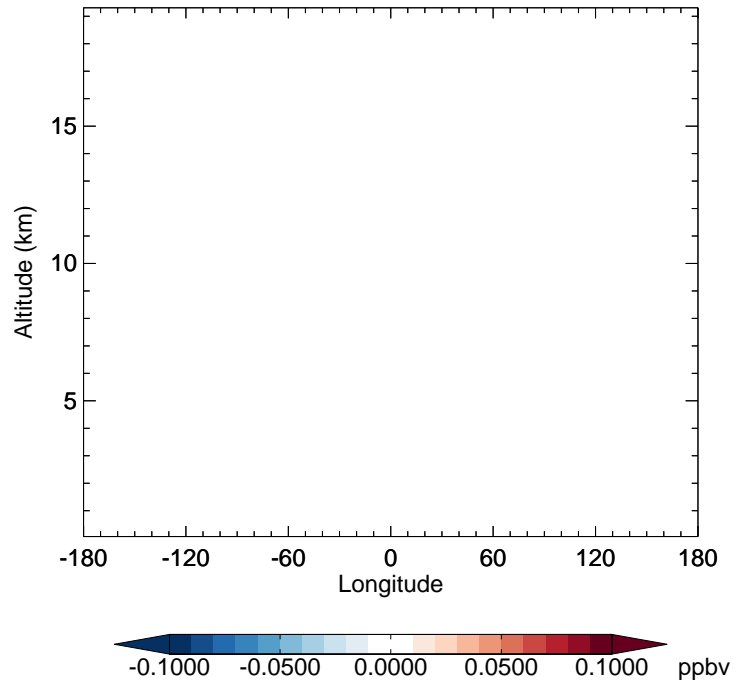


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

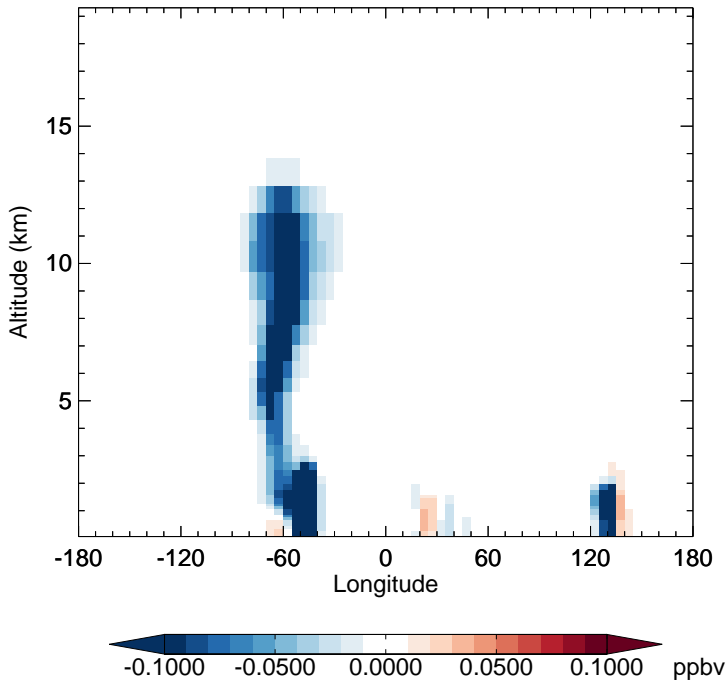
GC\_12.0.0 - v11-02f-Run1  
IEPOXA - Diff along 15S for Apr



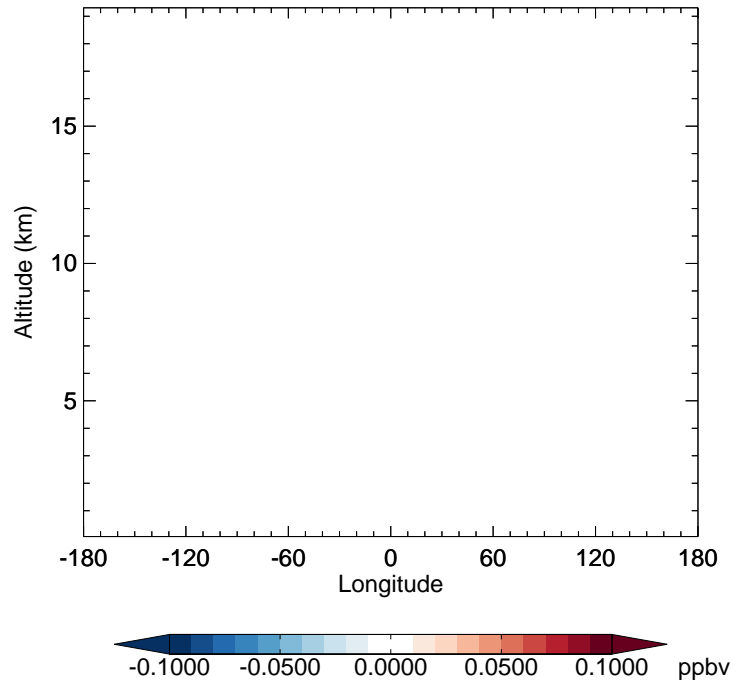
GC\_12.0.0 - v11-02f-Run1  
IEPOXA - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
IEPOXA - Diff along 15S for Apr



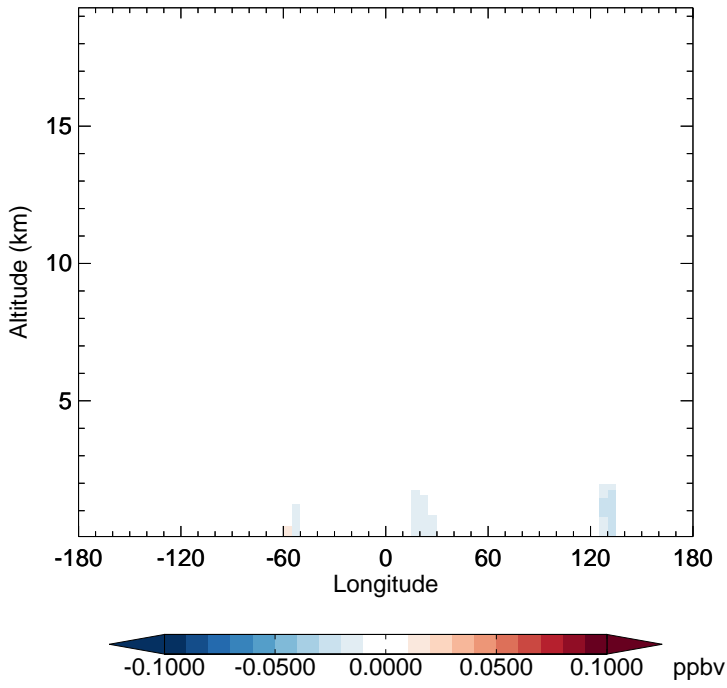
GC\_12.0.0 - v11-02e-Run1  
IEPOXA - Diff along 42N for Apr



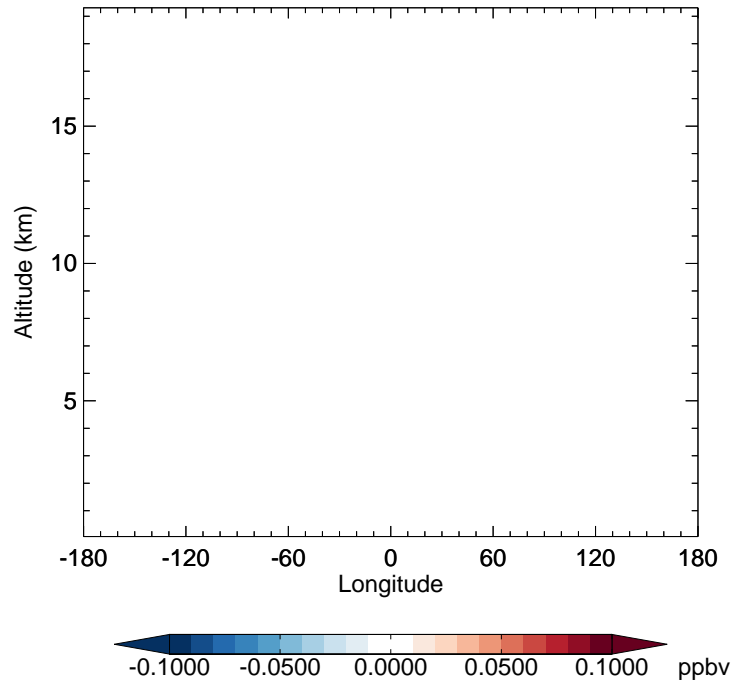


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

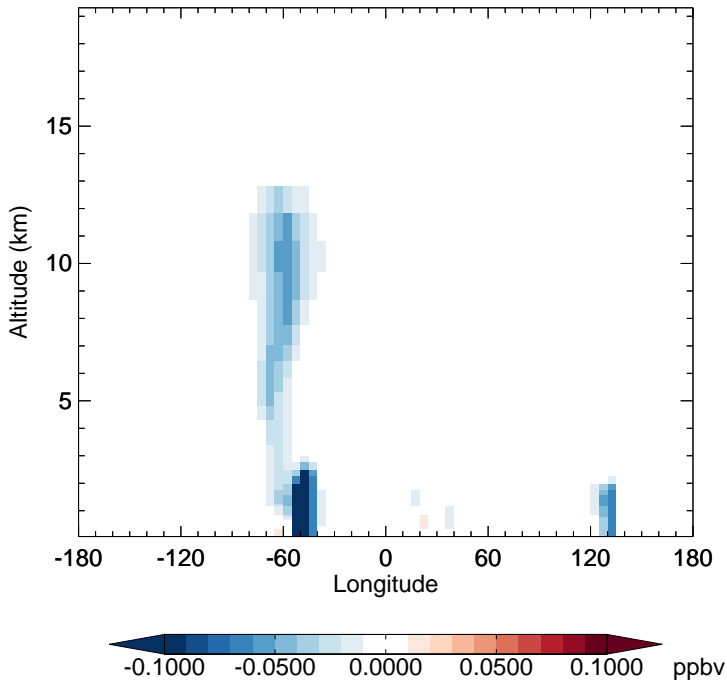
GC\_12.0.0 - v11-02f-Run1  
IEPOXB - Diff along 15S for Apr



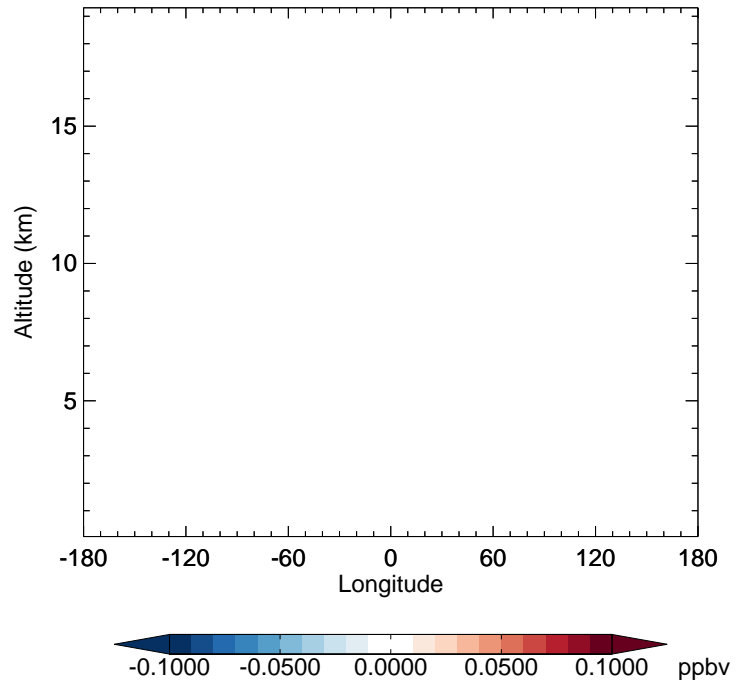
GC\_12.0.0 - v11-02f-Run1  
IEPOXB - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
IEPOXB - Diff along 15S for Apr



GC\_12.0.0 - v11-02e-Run1  
IEPOXB - Diff along 42N for Apr

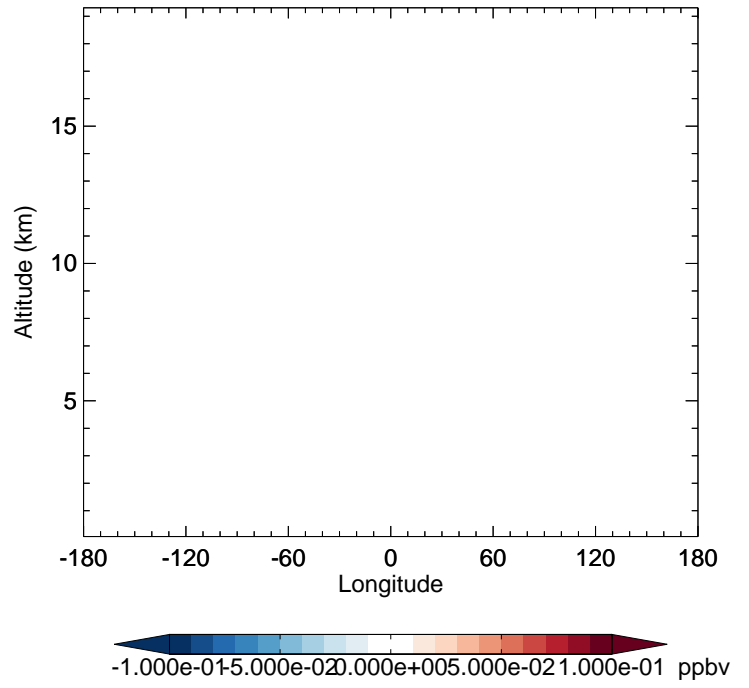


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

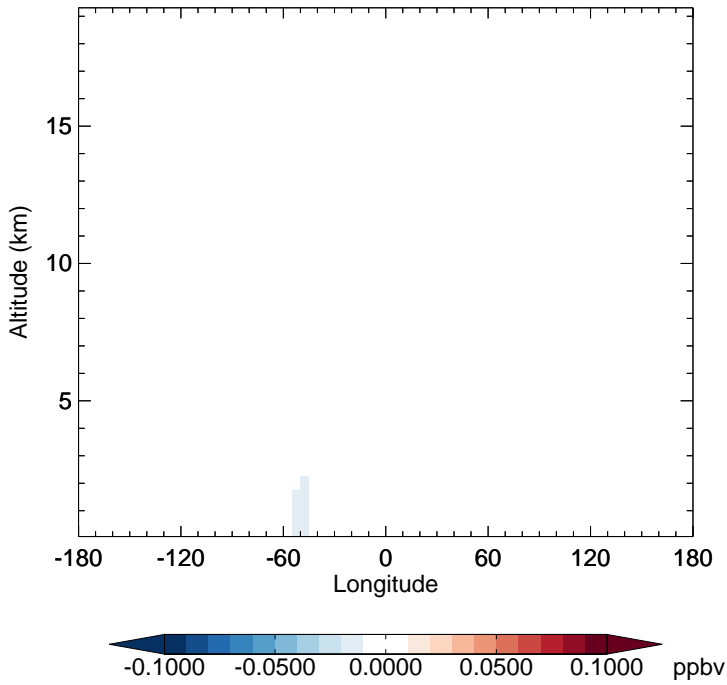
GC\_12.0.0 - v11-02f-Run1  
IEPOXD - Diff along 15S for Apr



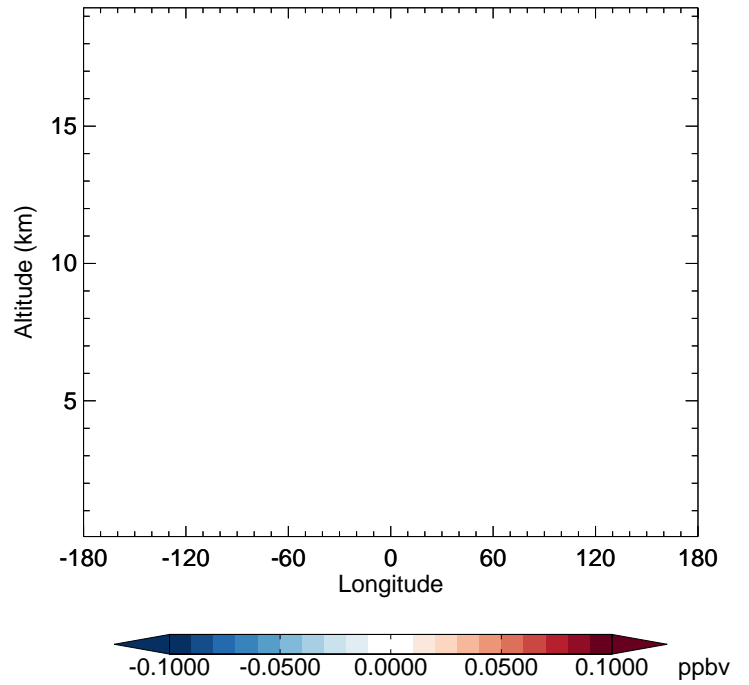
GC\_12.0.0 - v11-02f-Run1  
IEPOXD - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
IEPOXD - Diff along 15S for Apr

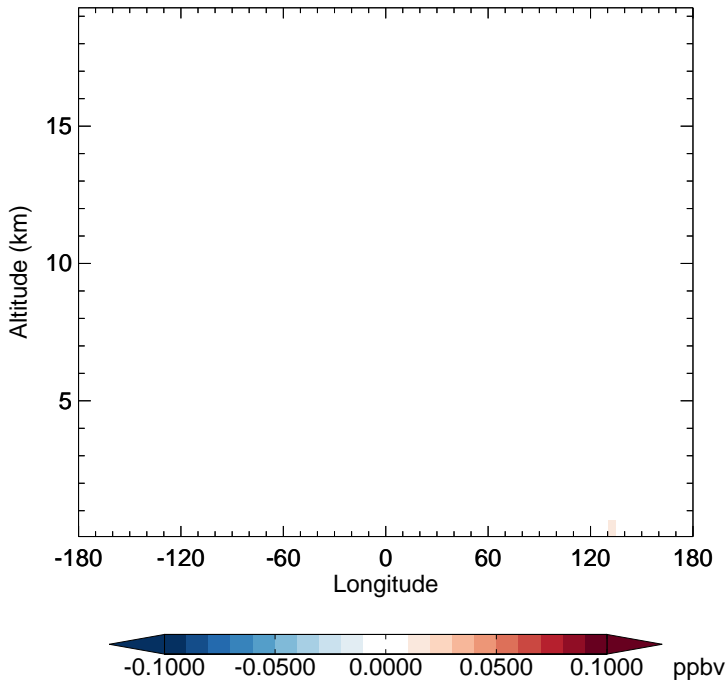


GC\_12.0.0 - v11-02e-Run1  
IEPOXD - Diff along 42N for Apr

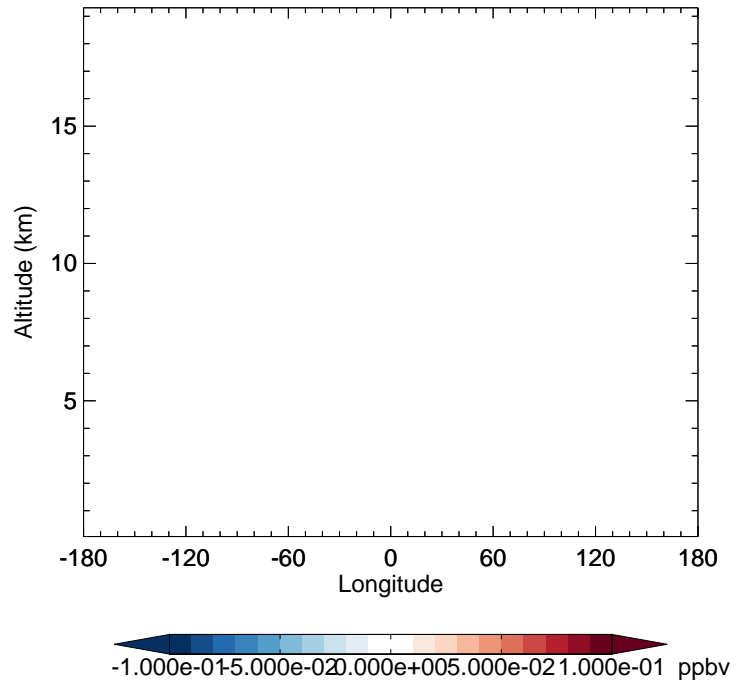


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

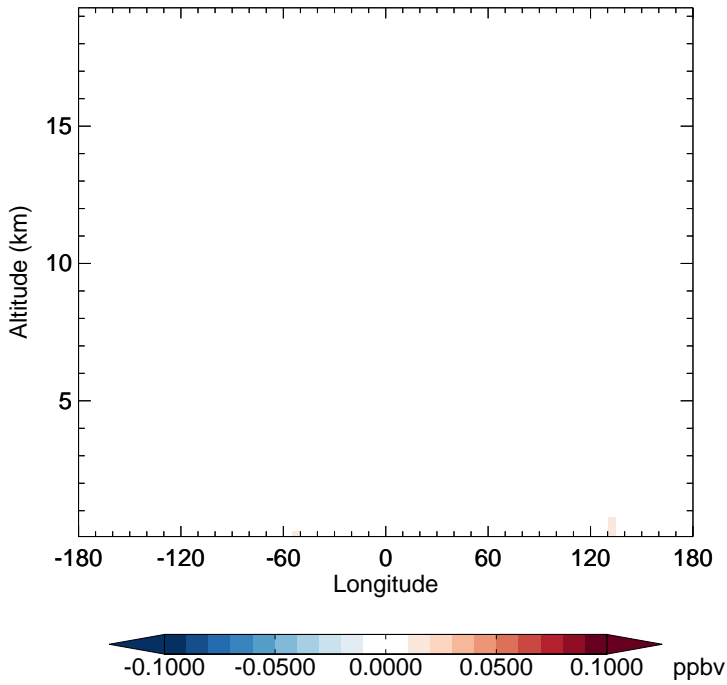
GC\_12.0.0 - v11-02f-Run1  
ISN1 - Diff along 15S for Apr



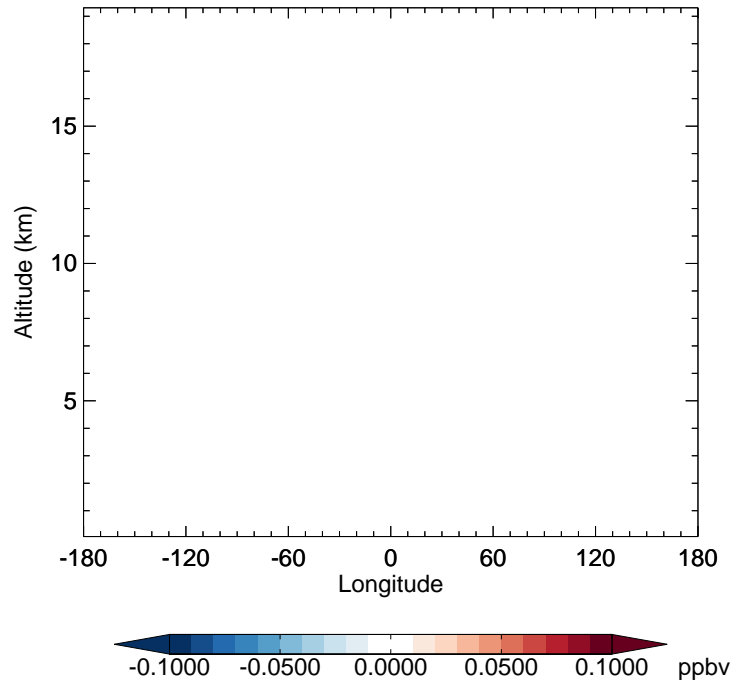
GC\_12.0.0 - v11-02f-Run1  
ISN1 - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
ISN1 - Diff along 15S for Apr

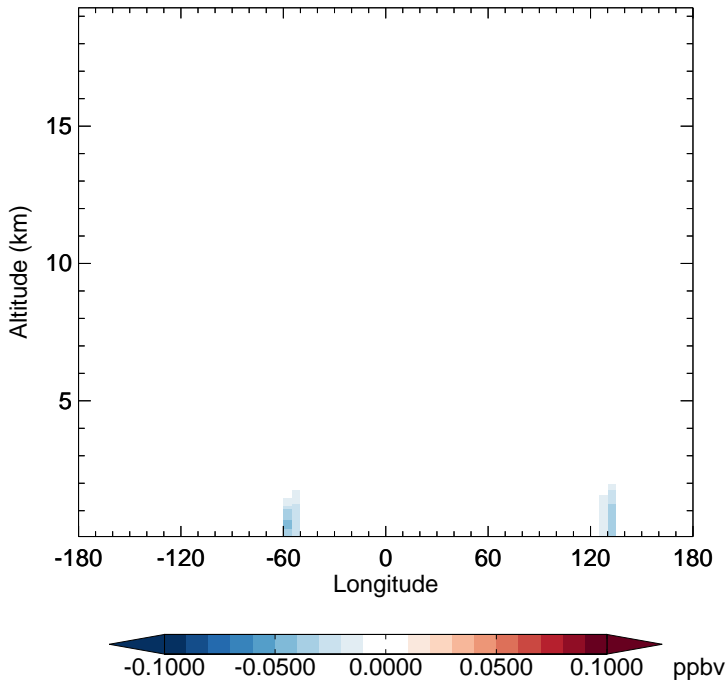


GC\_12.0.0 - v11-02e-Run1  
ISN1 - Diff along 42N for Apr

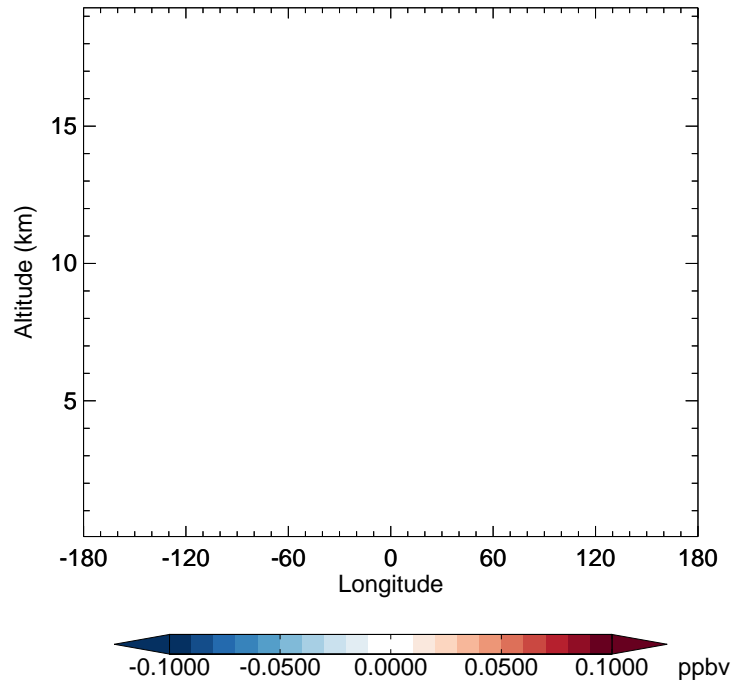


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

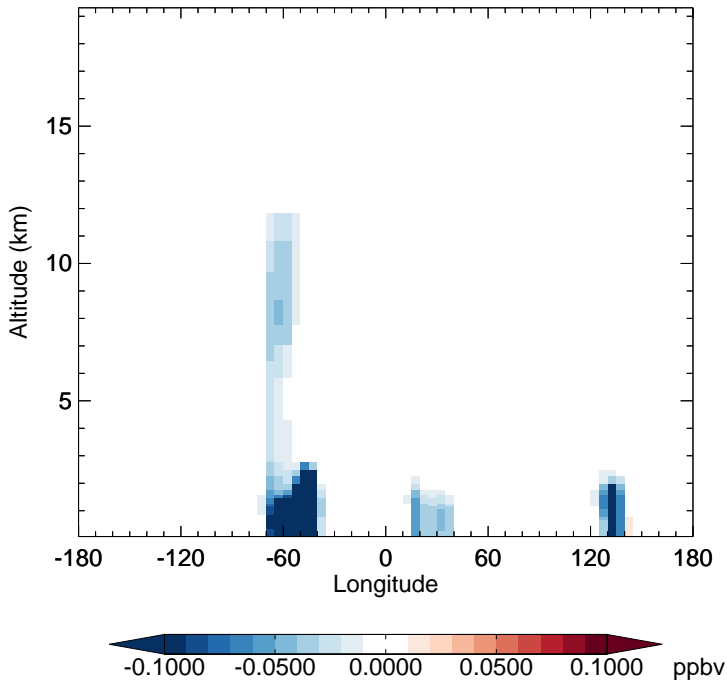
GC\_12.0.0 - v11-02f-Run1  
RIPA - Diff along 15S for Apr



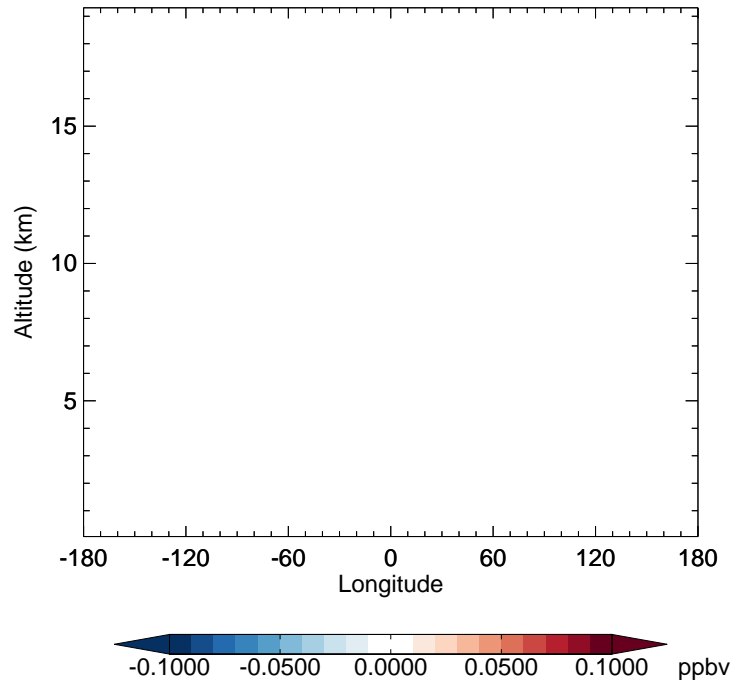
GC\_12.0.0 - v11-02f-Run1  
RIPA - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
RIPA - Diff along 15S for Apr

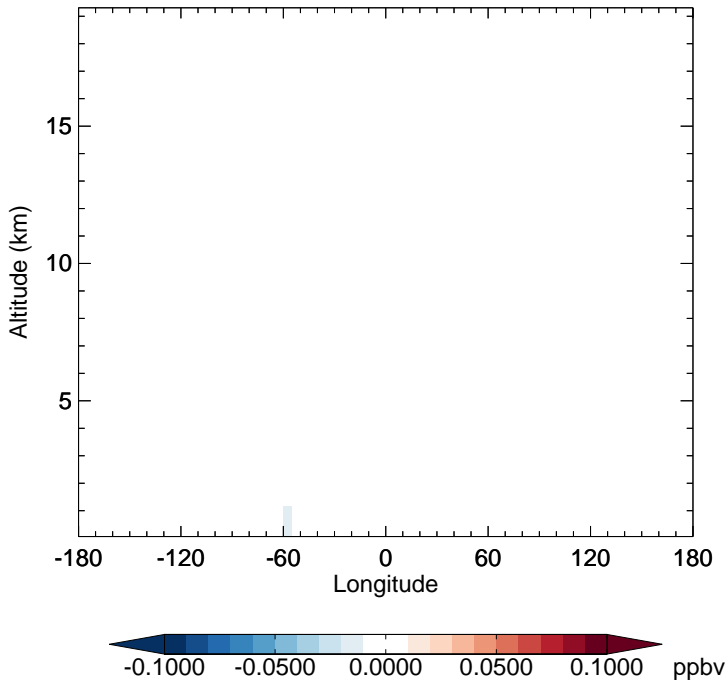


GC\_12.0.0 - v11-02e-Run1  
RIPA - Diff along 42N for Apr

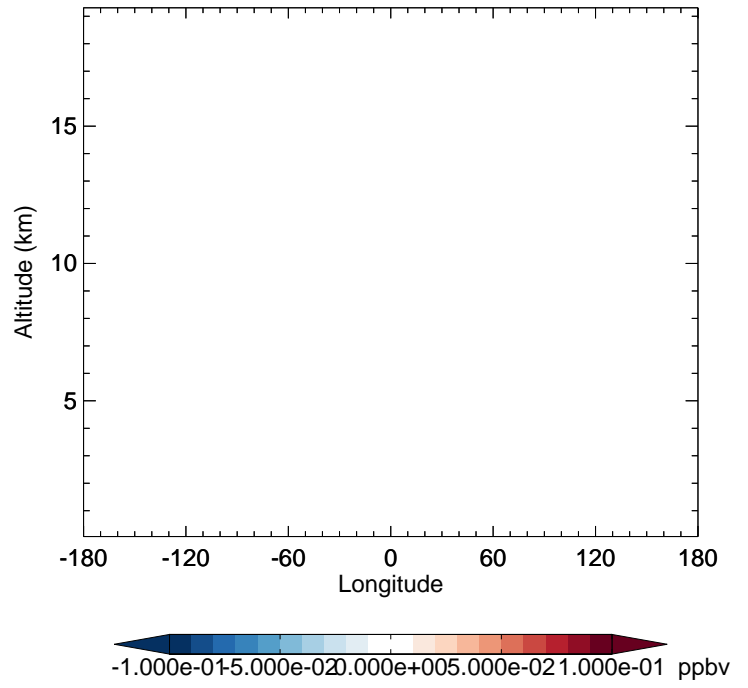


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

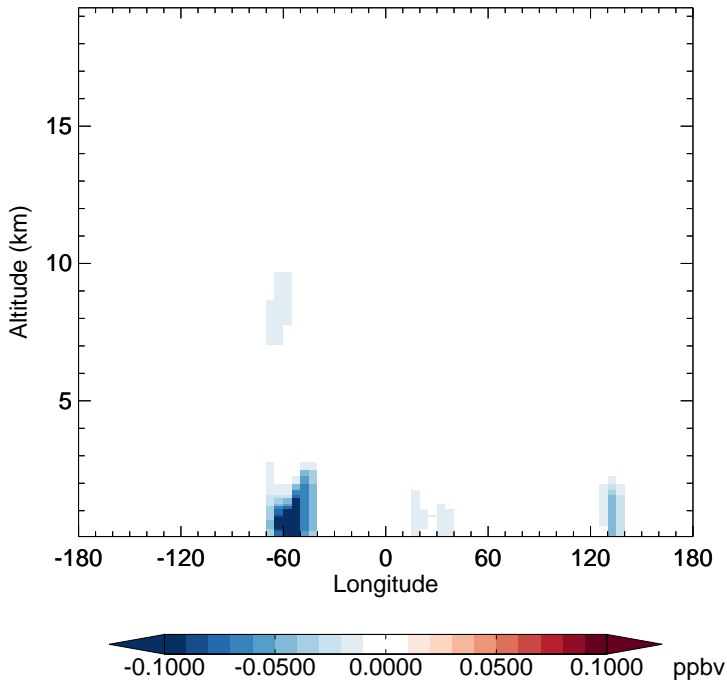
GC\_12.0.0 - v11-02f-Run1  
RIPB - Diff along 15S for Apr



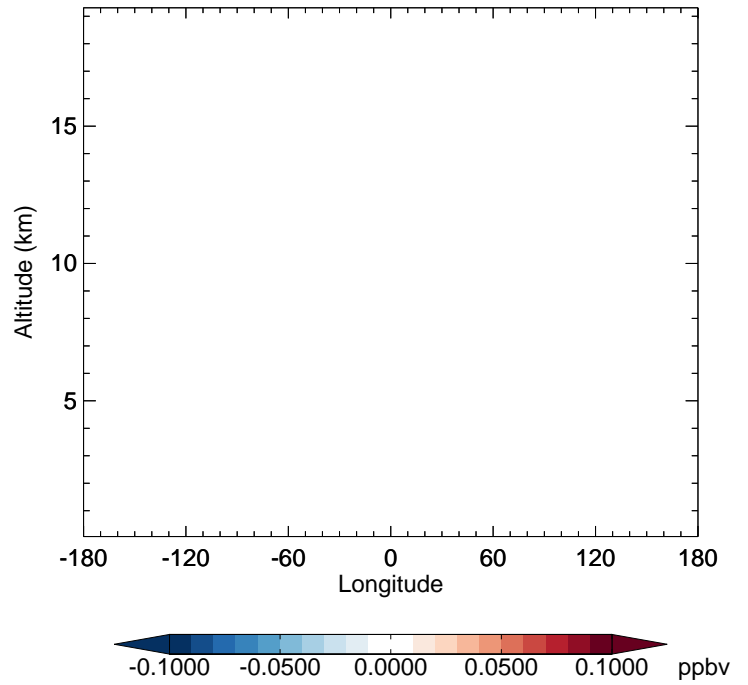
GC\_12.0.0 - v11-02f-Run1  
RIPB - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
RIPB - Diff along 15S for Apr



GC\_12.0.0 - v11-02e-Run1  
RIPB - Diff along 42N for Apr

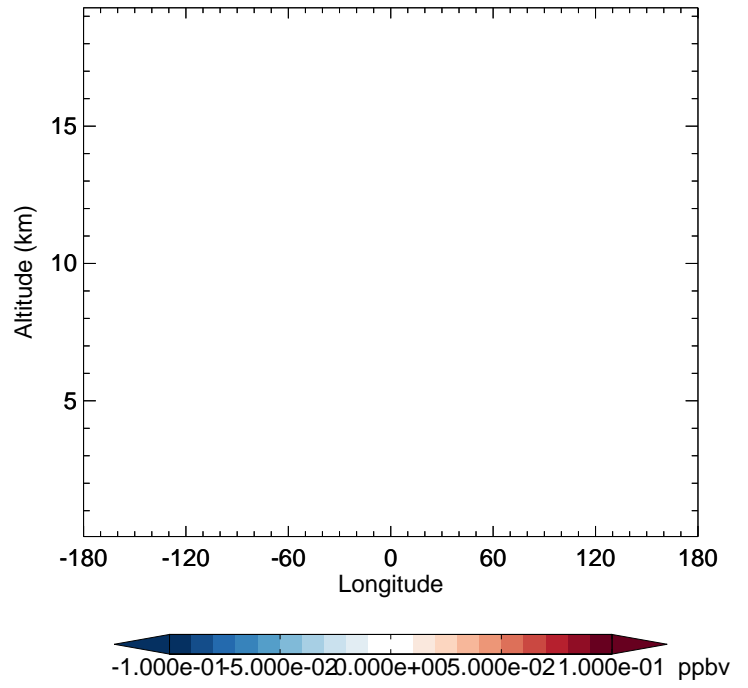


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

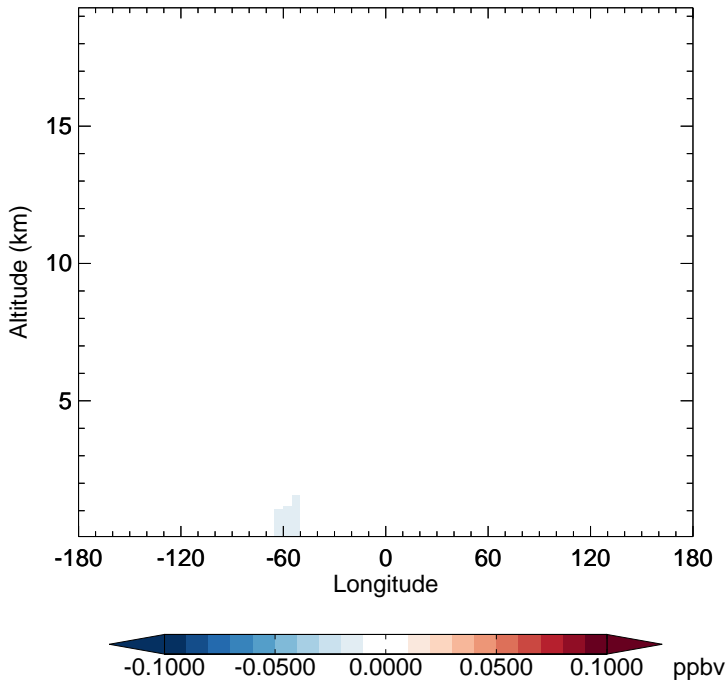
GC\_12.0.0 - v11-02f-Run1  
RIPD - Diff along 15S for Apr



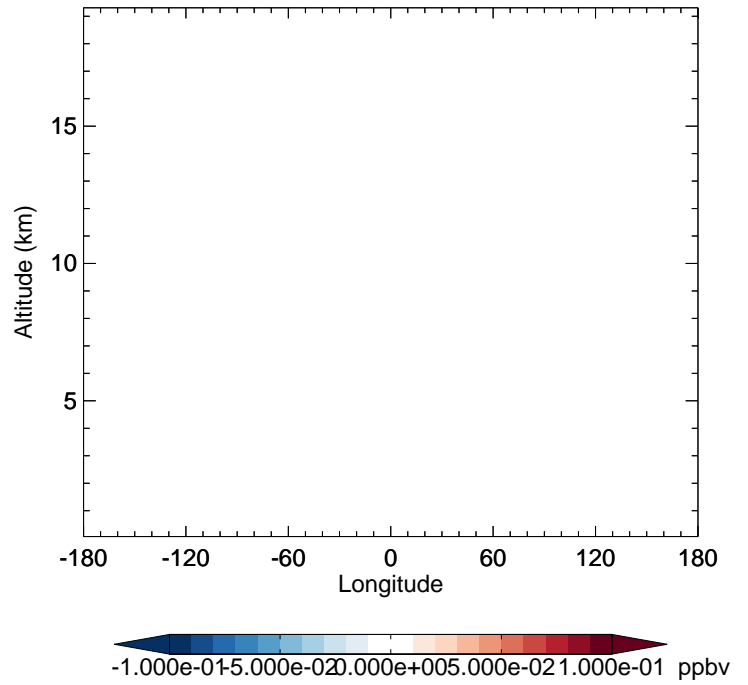
GC\_12.0.0 - v11-02f-Run1  
RIPD - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
RIPD - Diff along 15S for Apr

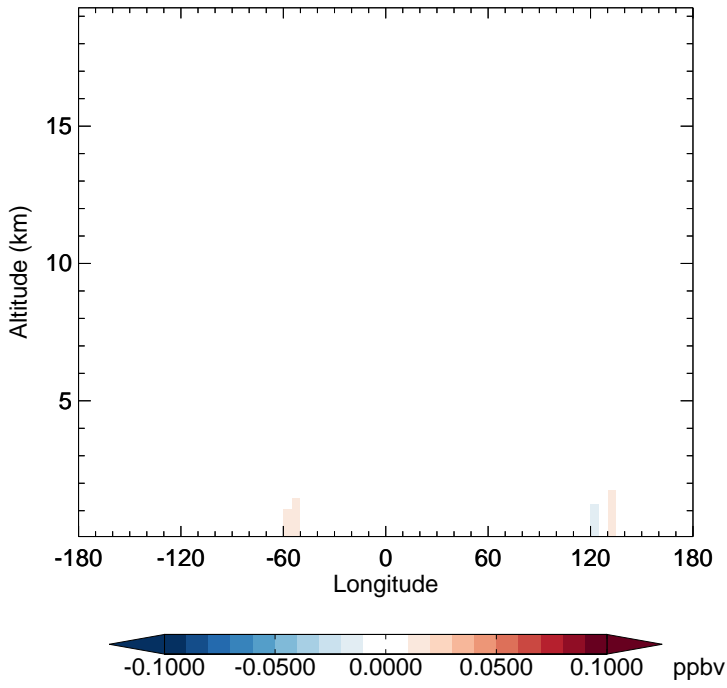


GC\_12.0.0 - v11-02e-Run1  
RIPD - Diff along 42N for Apr

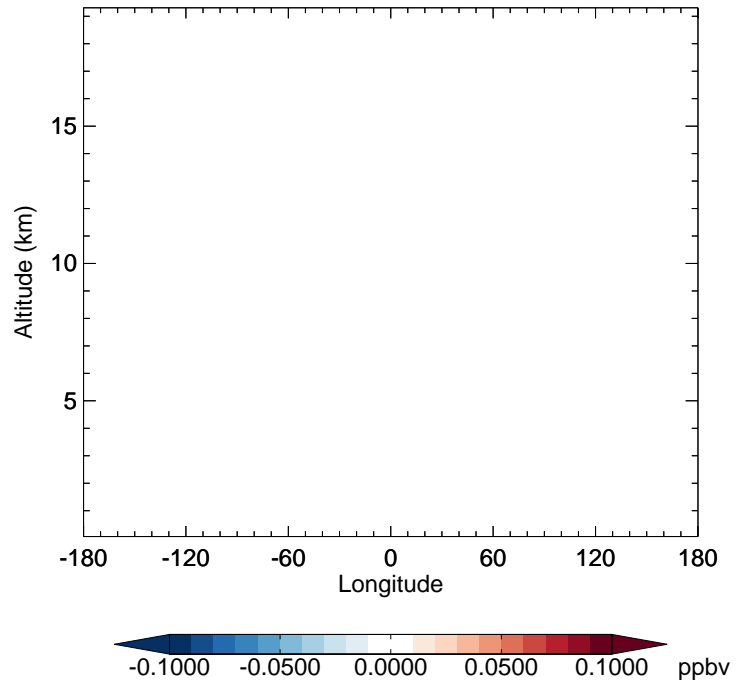


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

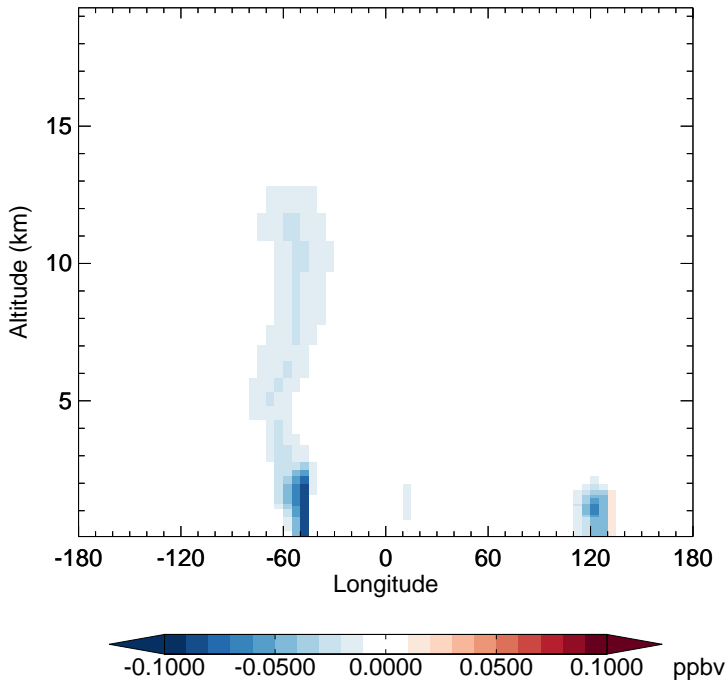
GC\_12.0.0 - v11-02f-Run1  
IMAE - Diff along 15S for Apr



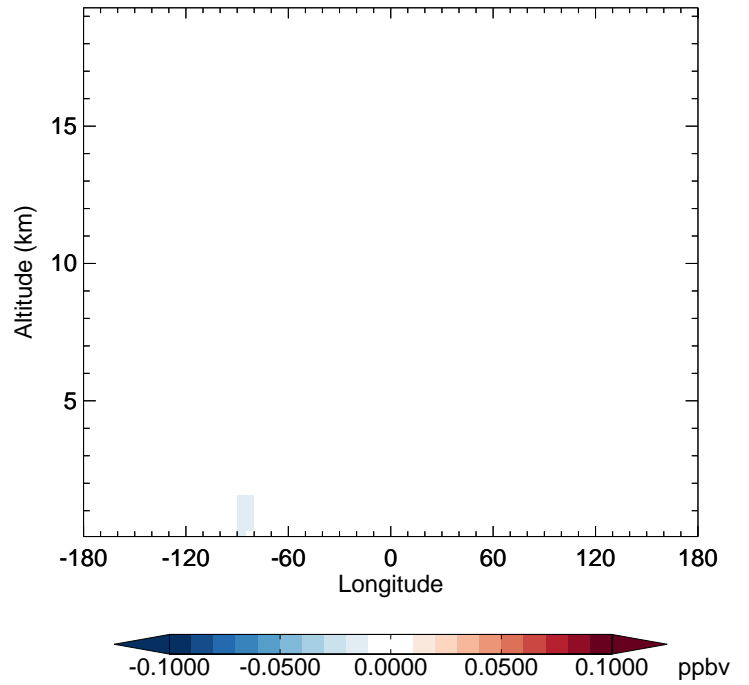
GC\_12.0.0 - v11-02f-Run1  
IMAE - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
IMAE - Diff along 15S for Apr

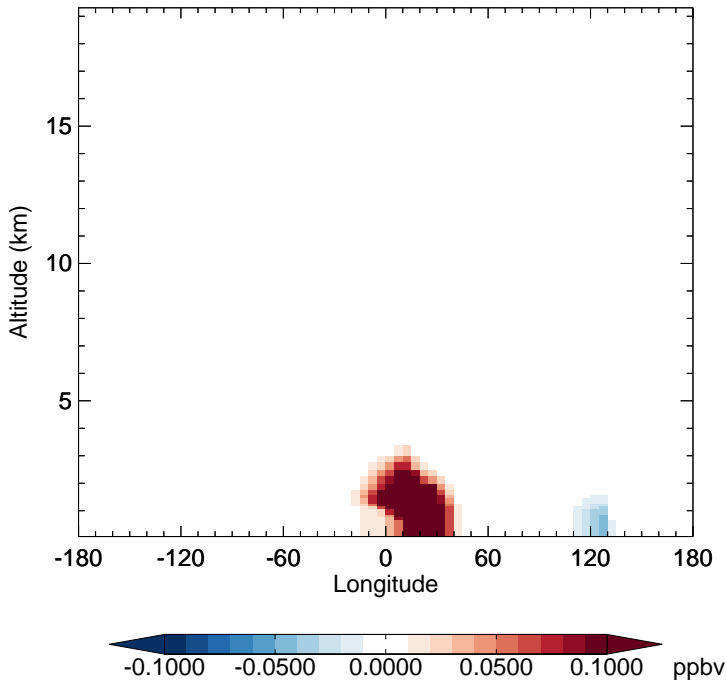


GC\_12.0.0 - v11-02e-Run1  
IMAE - Diff along 42N for Apr

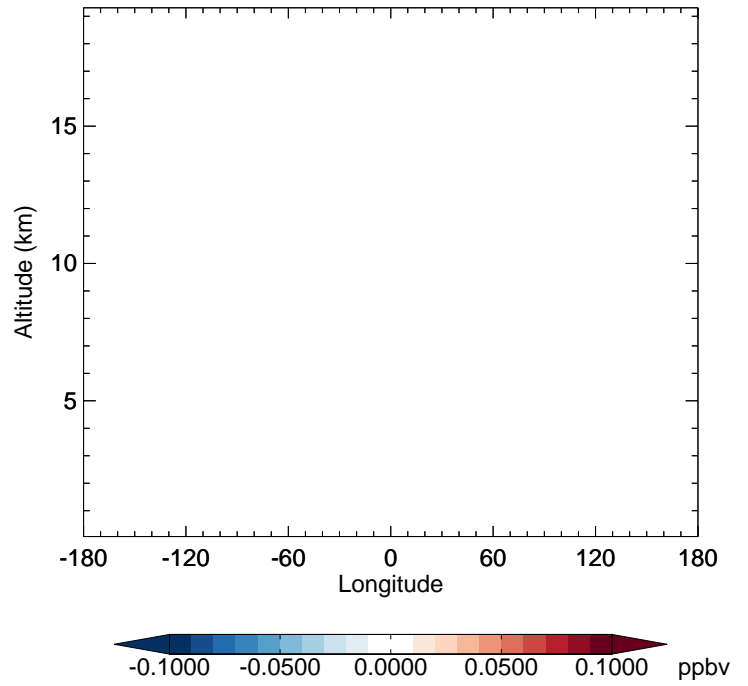


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

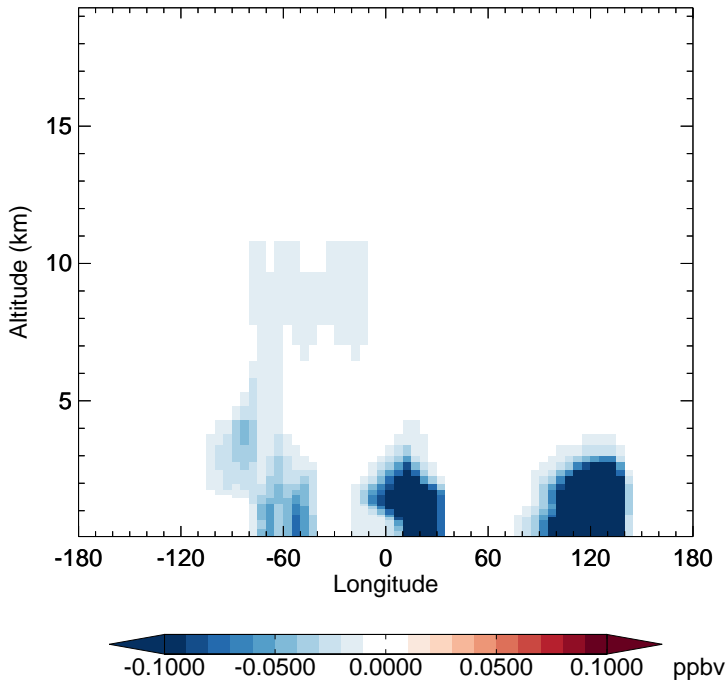
GC\_12.0.0 - v11-02f-Run1  
SOAIE - Diff along 15S for Apr



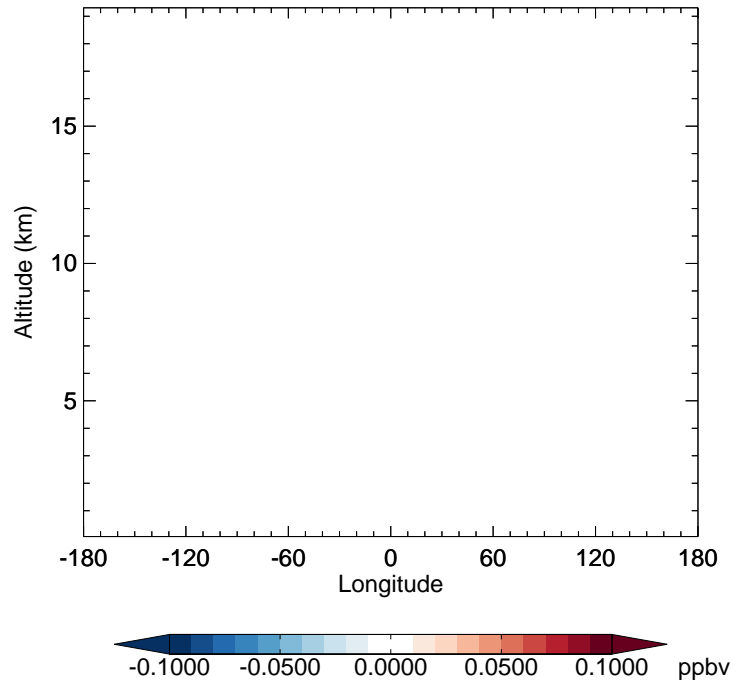
GC\_12.0.0 - v11-02f-Run1  
SOAIE - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
SOAIE - Diff along 15S for Apr



GC\_12.0.0 - v11-02e-Run1  
SOAIE - Diff along 42N for Apr



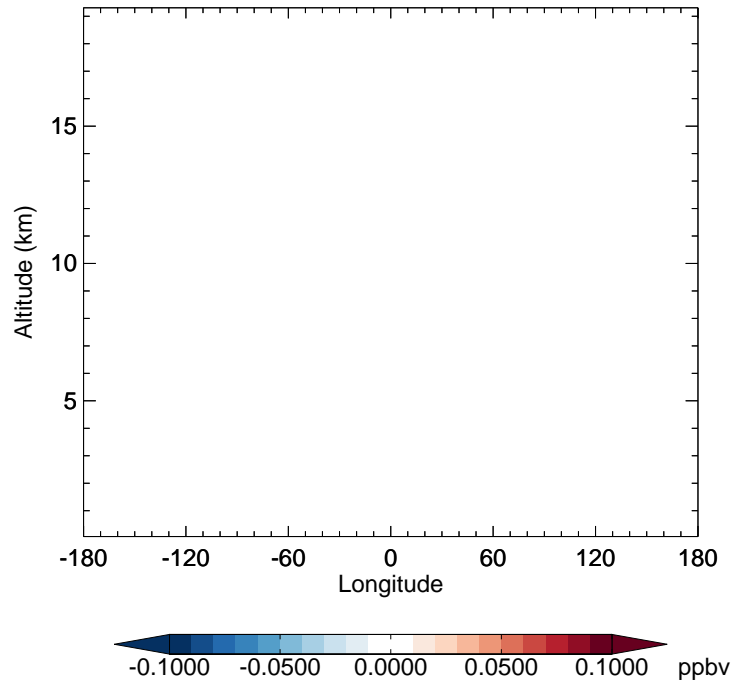


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

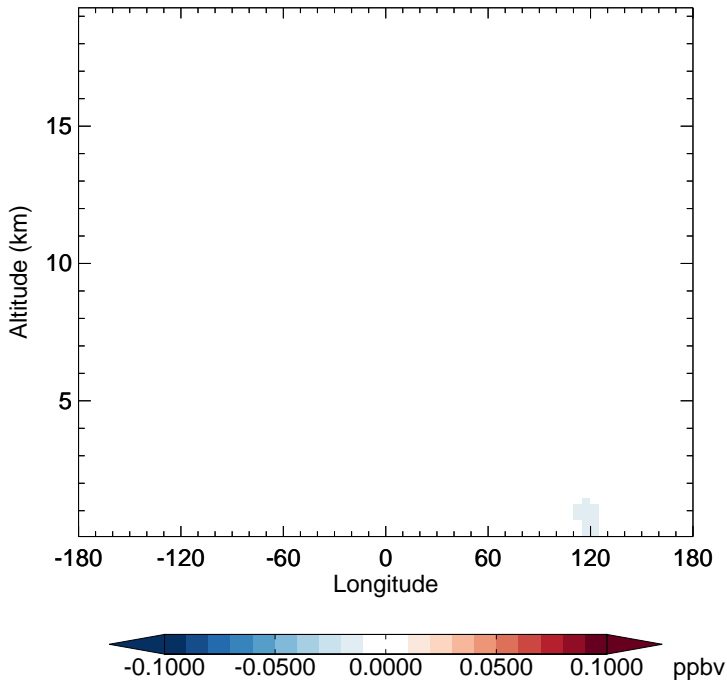
GC\_12.0.0 - v11-02f-Run1  
SOAME - Diff along 15S for Apr



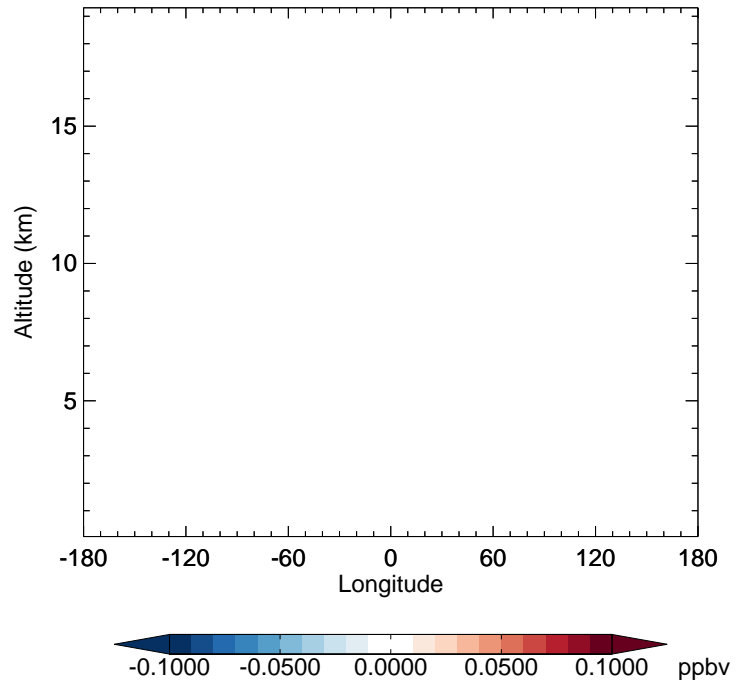
GC\_12.0.0 - v11-02f-Run1  
SOAME - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
SOAME - Diff along 15S for Apr

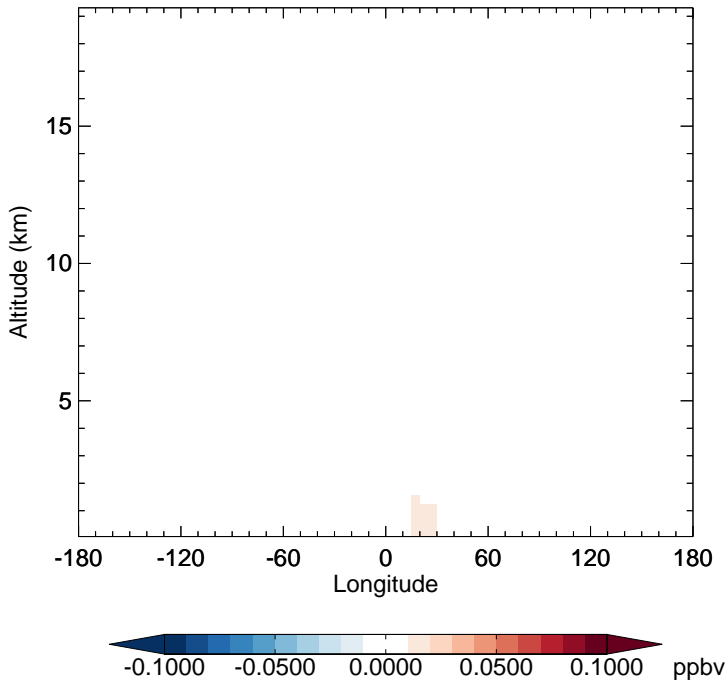


GC\_12.0.0 - v11-02e-Run1  
SOAME - Diff along 42N for Apr

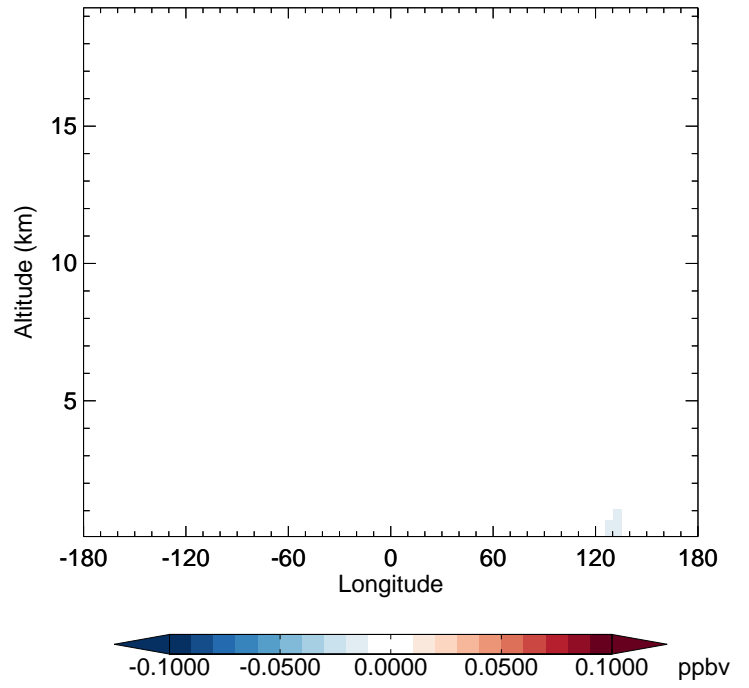


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

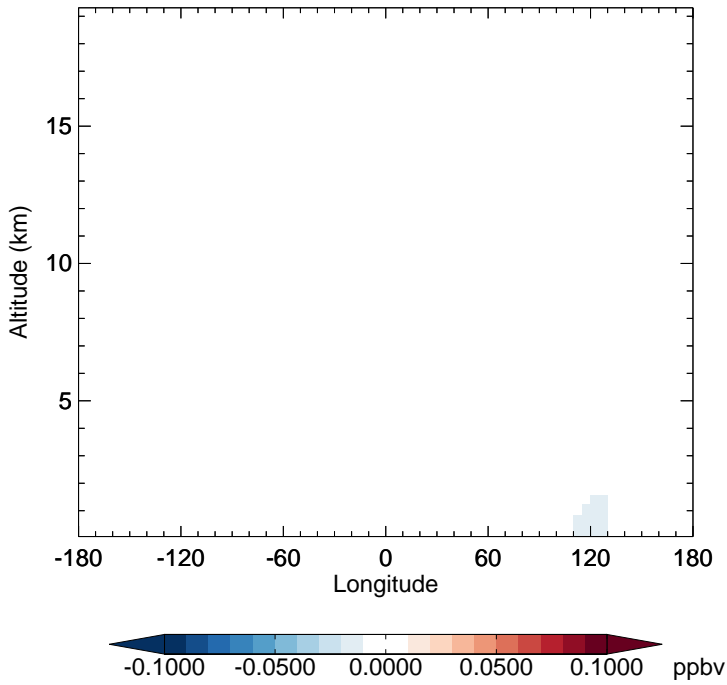
GC\_12.0.0 - v11-02f-Run1  
SOAGX - Diff along 15S for Apr



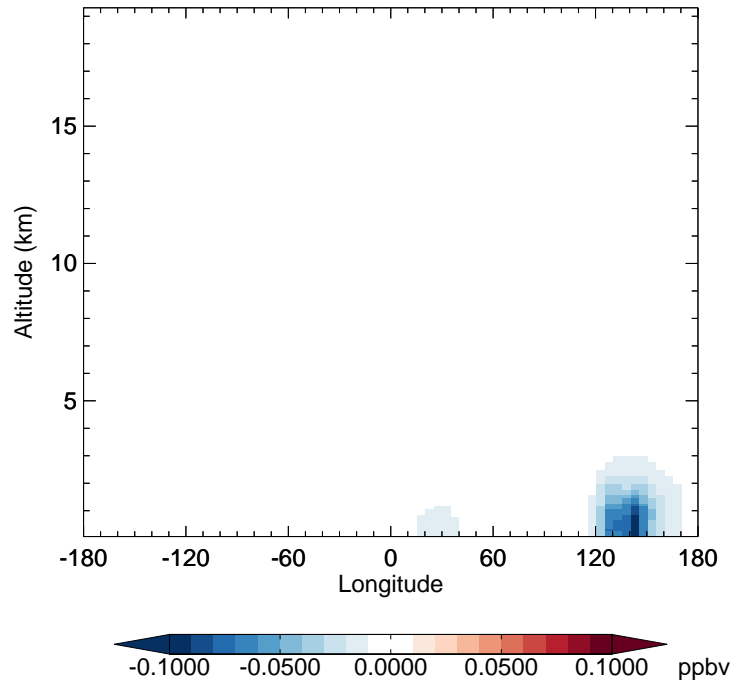
GC\_12.0.0 - v11-02f-Run1  
SOAGX - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
SOAGX - Diff along 15S for Apr



GC\_12.0.0 - v11-02e-Run1  
SOAGX - Diff along 42N for Apr

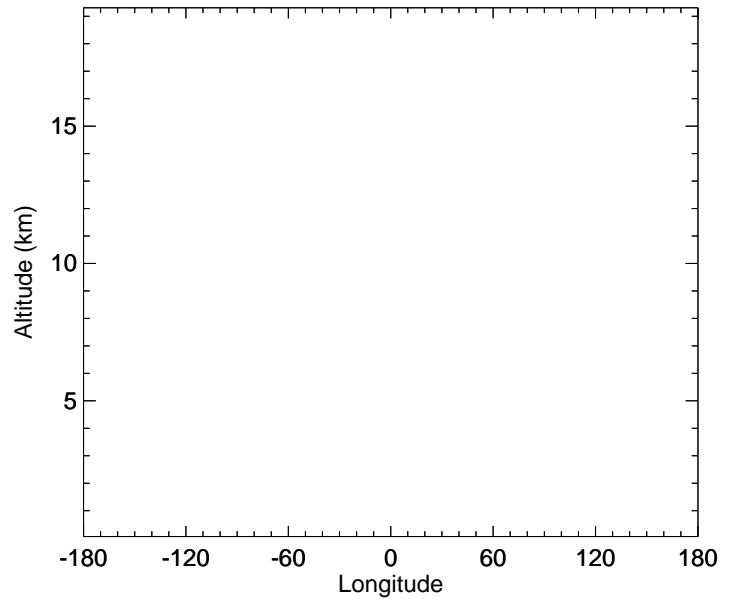


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

GC\_12.0.0 - v11-02f-Run1  
SOAMG - Diff along 15S for Apr



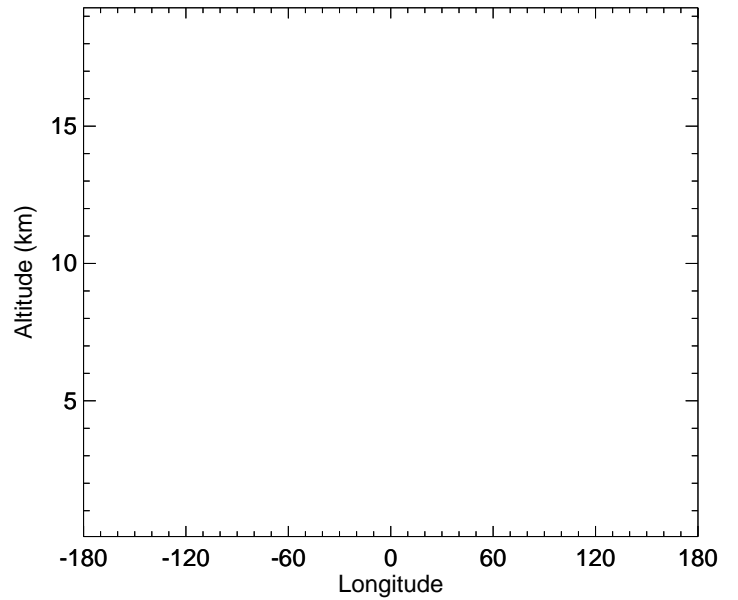
GC\_12.0.0 - v11-02f-Run1  
SOAMG - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
SOAMG - Diff along 15S for Apr



GC\_12.0.0 - v11-02e-Run1  
SOAMG - Diff along 42N for Apr

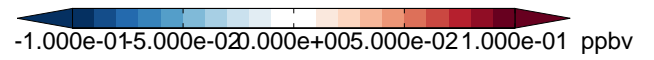
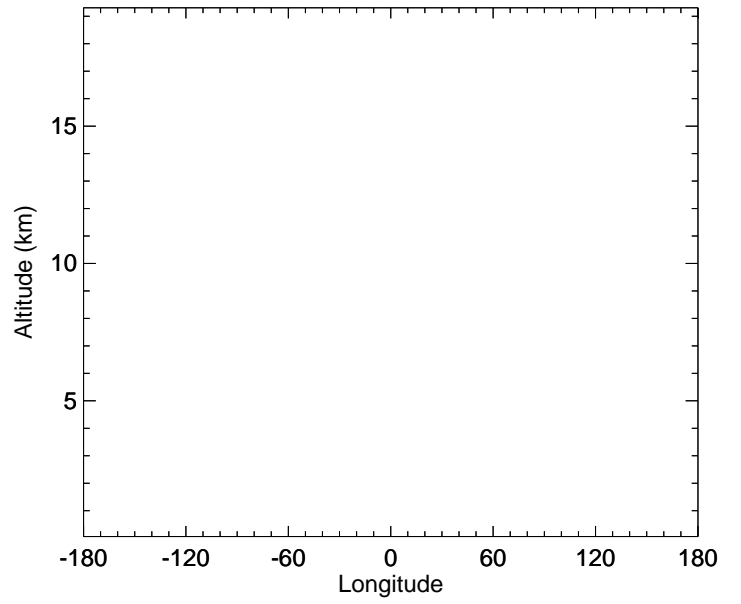


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

GC\_12.0.0 - v11-02f-Run1  
LVOC - Diff along 15S for Apr



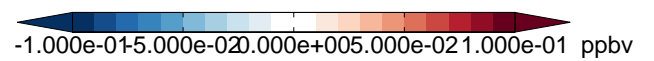
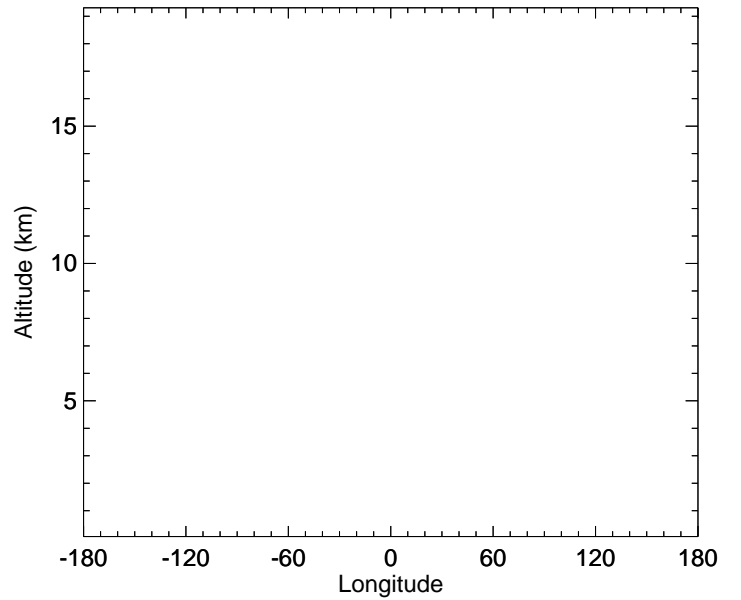
GC\_12.0.0 - v11-02f-Run1  
LVOC - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
LVOC - Diff along 15S for Apr



GC\_12.0.0 - v11-02e-Run1  
LVOC - Diff along 42N for Apr

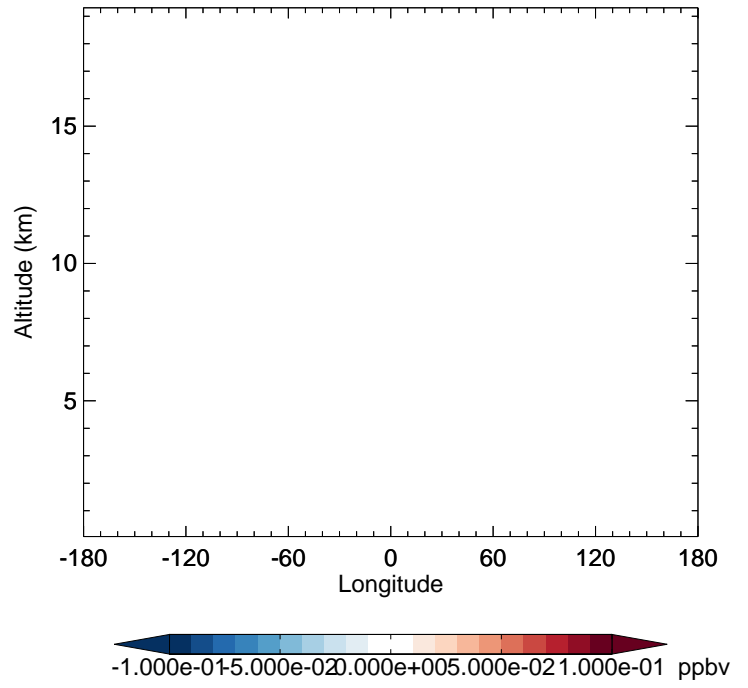


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

GC\_12.0.0 - v11-02f-Run1  
LVOCOA - Diff along 15S for Apr



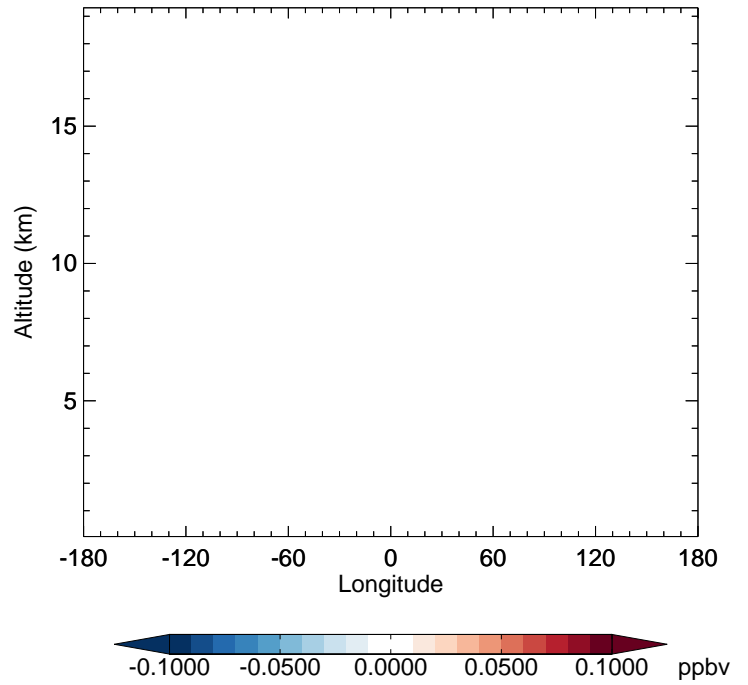
GC\_12.0.0 - v11-02f-Run1  
LVOCOA - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
LVOCOA - Diff along 15S for Apr

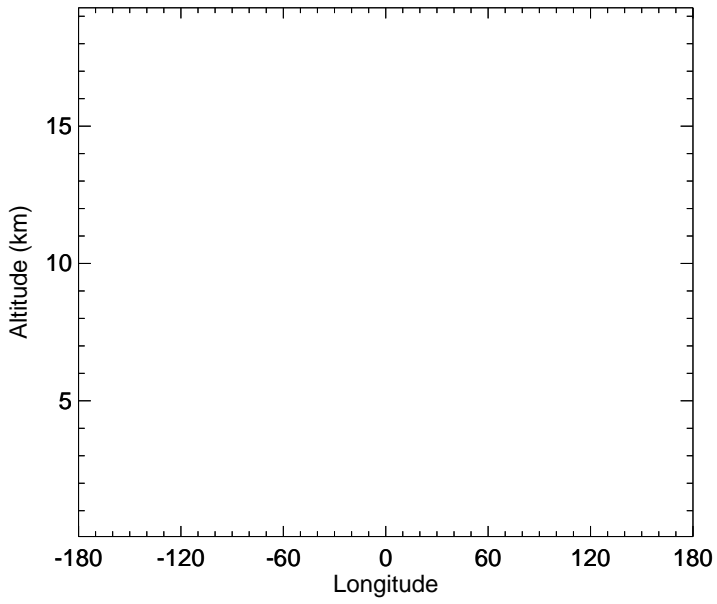


GC\_12.0.0 - v11-02e-Run1  
LVOCOA - Diff along 42N for Apr

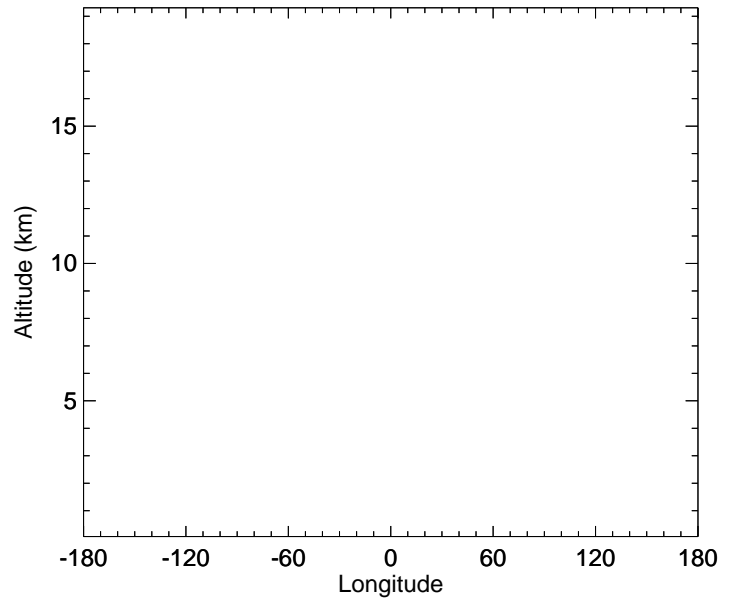


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

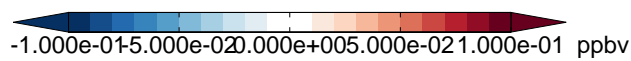
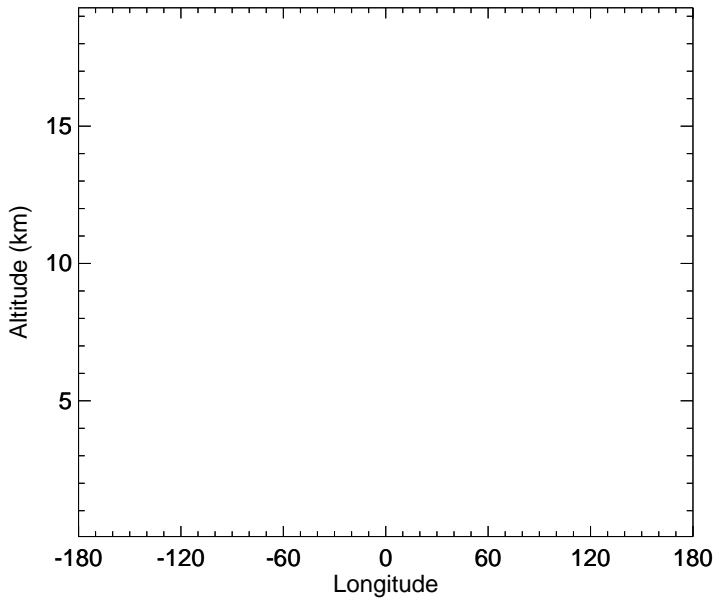
GC\_12.0.0 - v11-02f-Run1  
ISN1OG - Diff along 15S for Apr



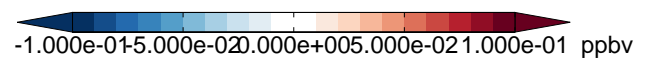
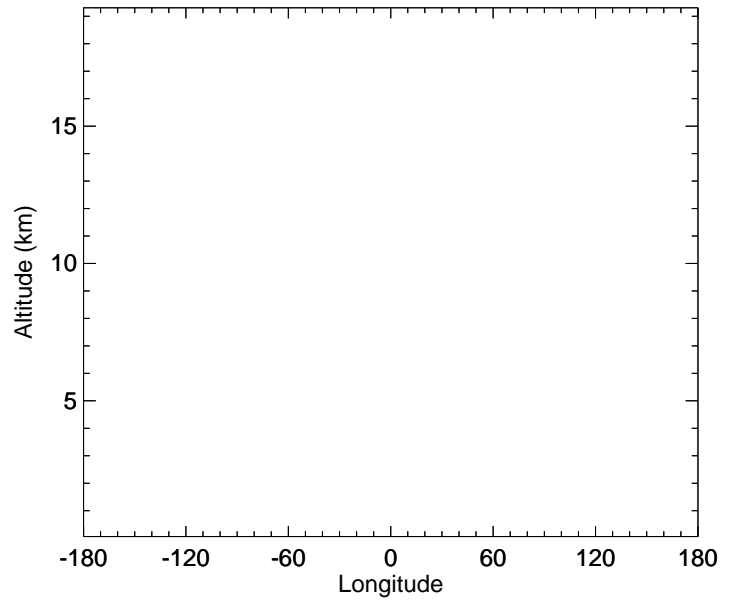
GC\_12.0.0 - v11-02f-Run1  
ISN1OG - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
ISN1OG - Diff along 15S for Apr



GC\_12.0.0 - v11-02e-Run1  
ISN1OG - Diff along 42N for Apr

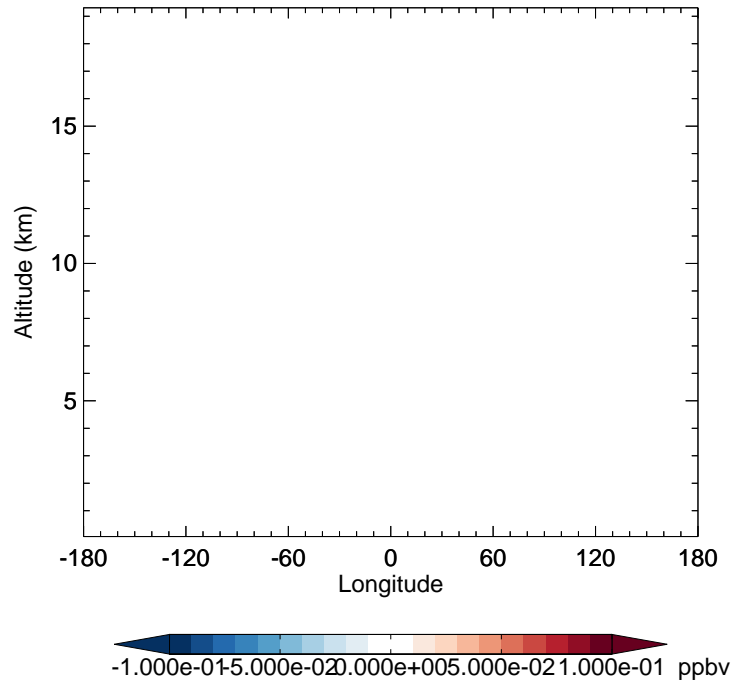


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

GC\_12.0.0 - v11-02f-Run1  
ISN1OA - Diff along 15S for Apr



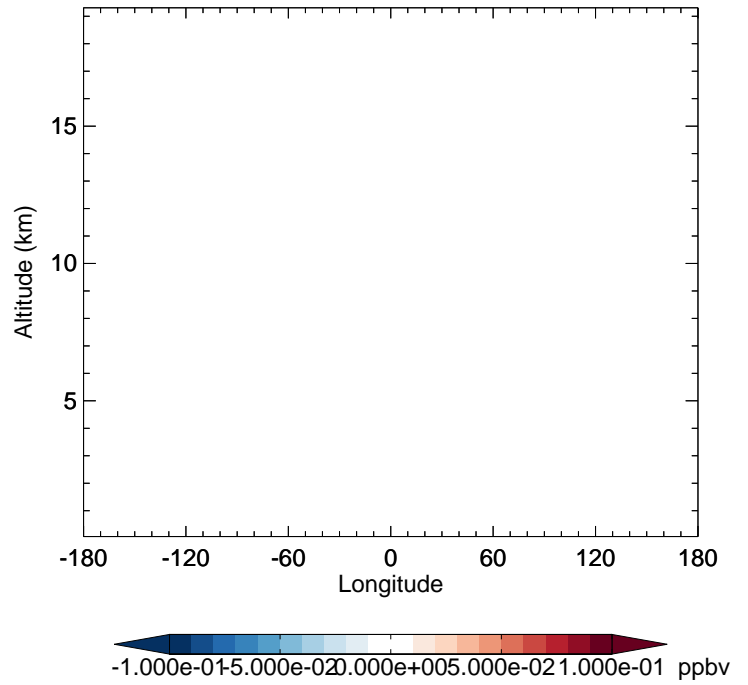
GC\_12.0.0 - v11-02f-Run1  
ISN1OA - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
ISN1OA - Diff along 15S for Apr



GC\_12.0.0 - v11-02e-Run1  
ISN1OA - Diff along 42N for Apr

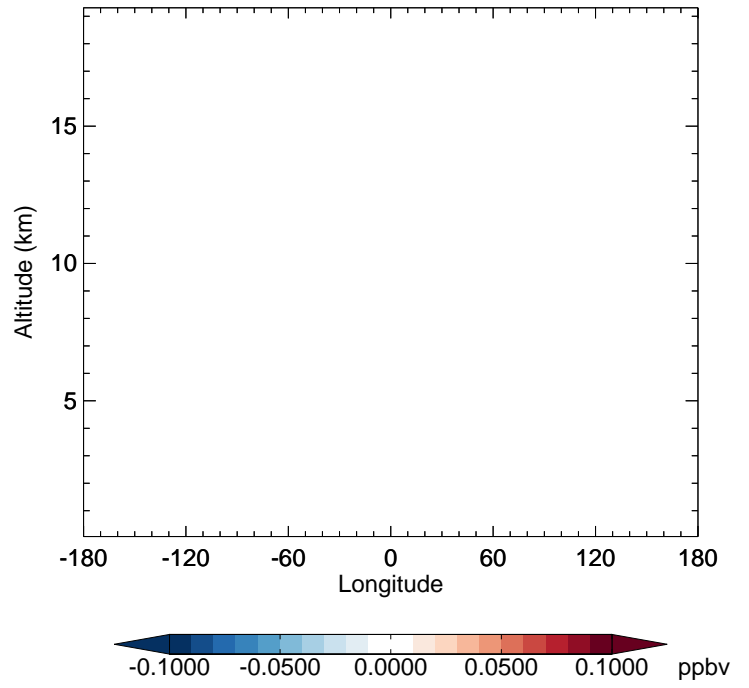


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

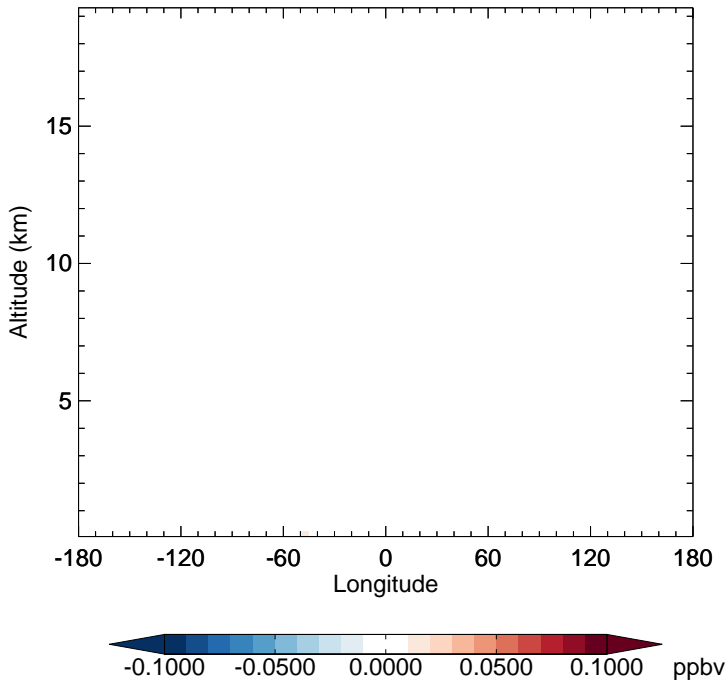
GC\_12.0.0 - v11-02f-Run1  
MONITS - Diff along 15S for Apr



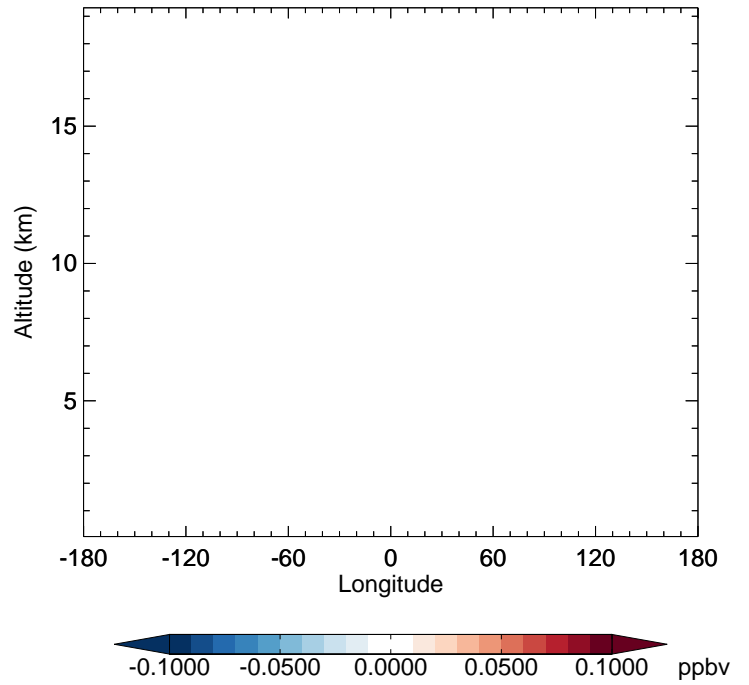
GC\_12.0.0 - v11-02f-Run1  
MONITS - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
MONITS - Diff along 15S for Apr



GC\_12.0.0 - v11-02e-Run1  
MONITS - Diff along 42N for Apr



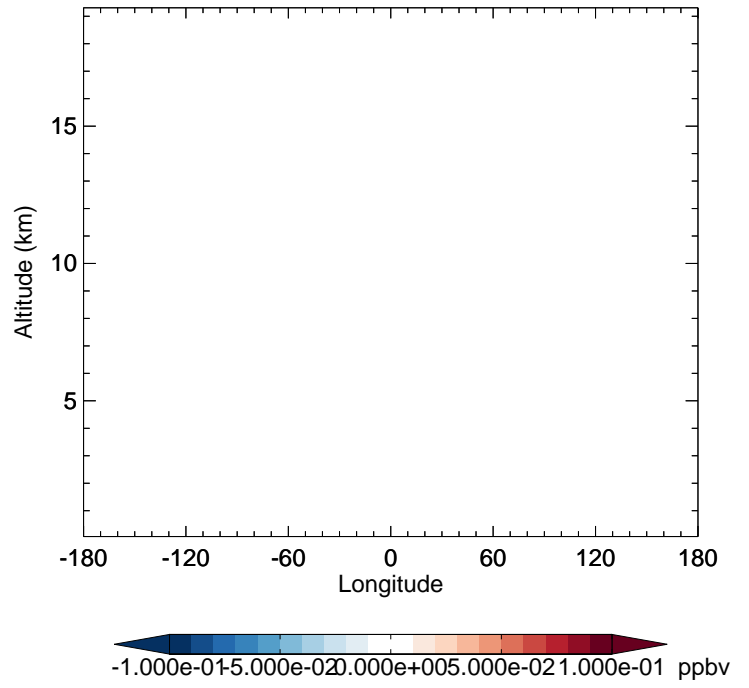


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

GC\_12.0.0 - v11-02f-Run1  
MONITU - Diff along 15S for Apr



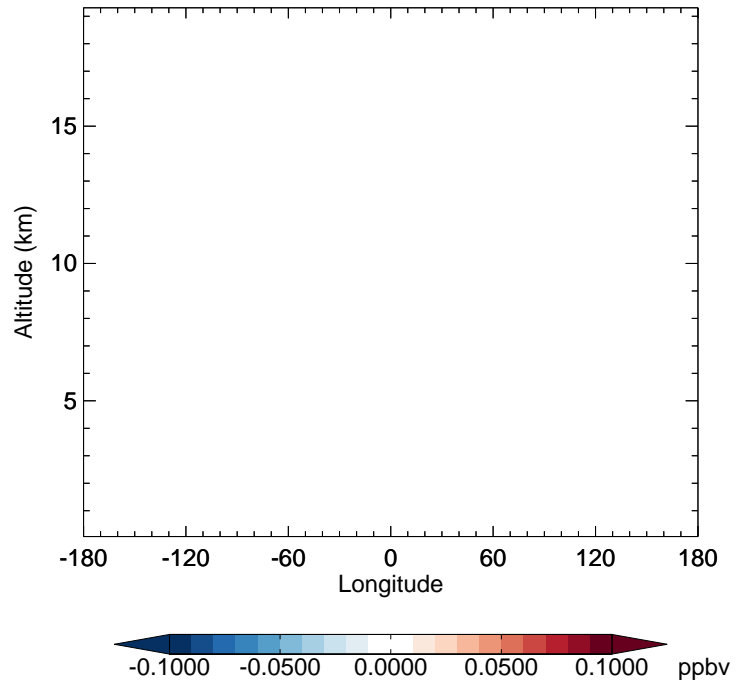
GC\_12.0.0 - v11-02f-Run1  
MONITU - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
MONITU - Diff along 15S for Apr



GC\_12.0.0 - v11-02e-Run1  
MONITU - Diff along 42N for Apr

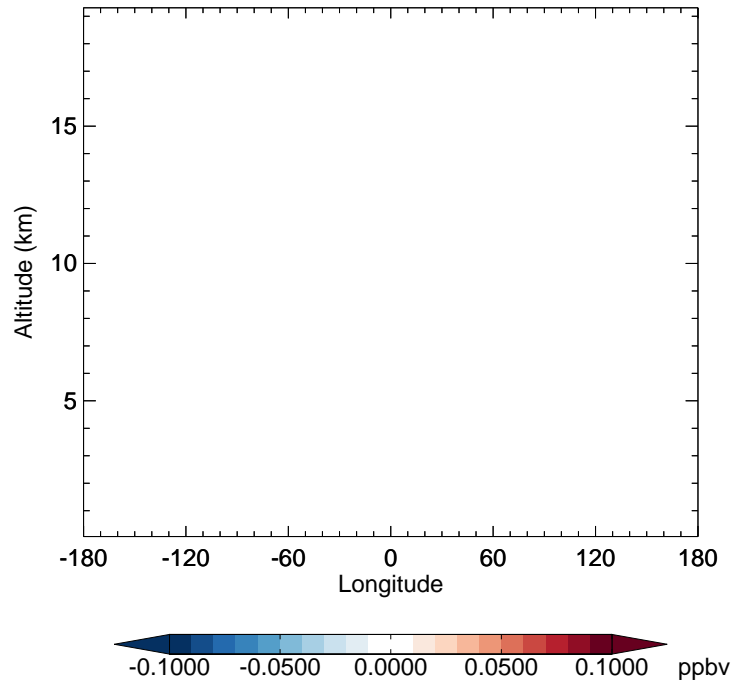


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

GC\_12.0.0 - v11-02f-Run1  
HONIT - Diff along 15S for Apr



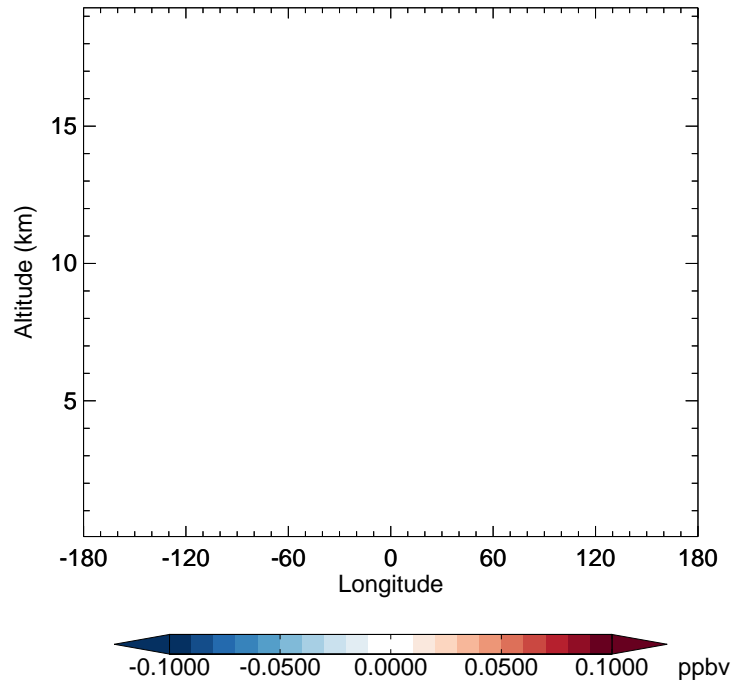
GC\_12.0.0 - v11-02f-Run1  
HONIT - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
HONIT - Diff along 15S for Apr



GC\_12.0.0 - v11-02e-Run1  
HONIT - Diff along 42N for Apr

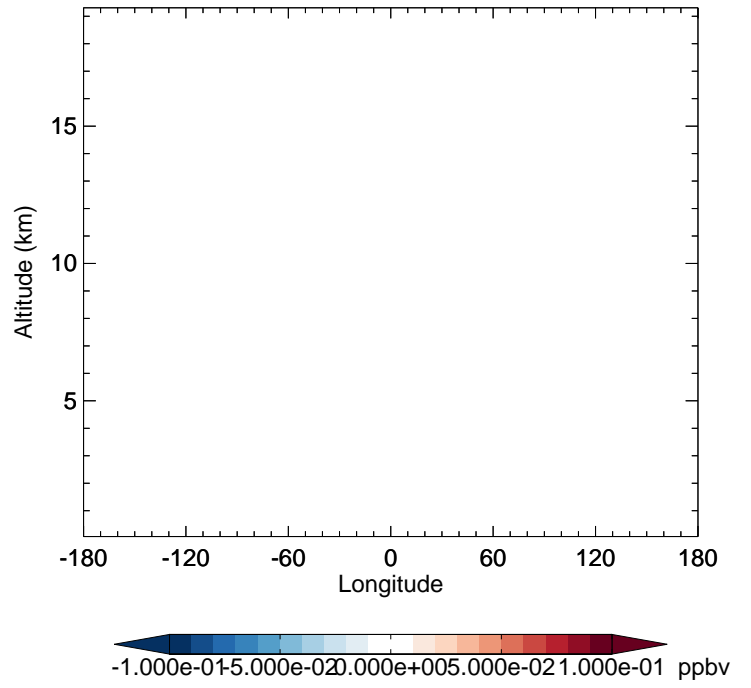


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

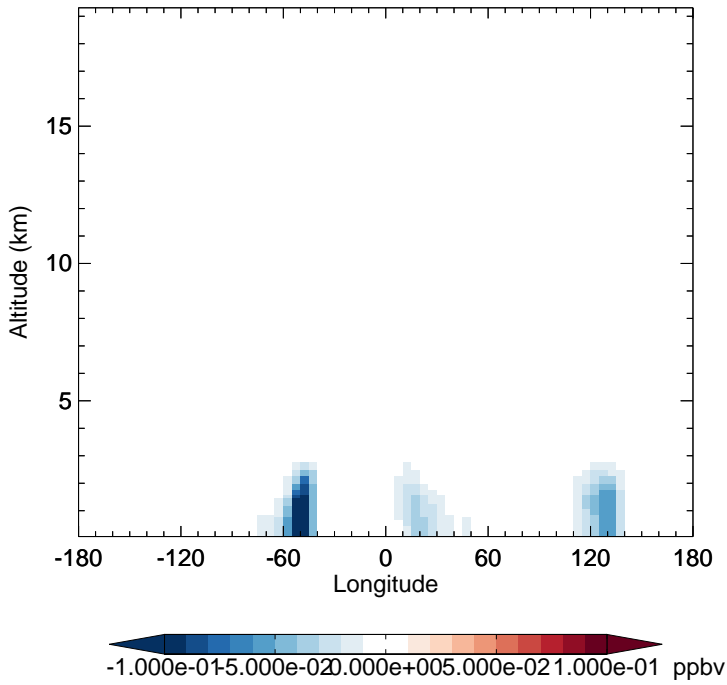
GC\_12.0.0 - v11-02f-Run1  
IONITA - Diff along 15S for Apr



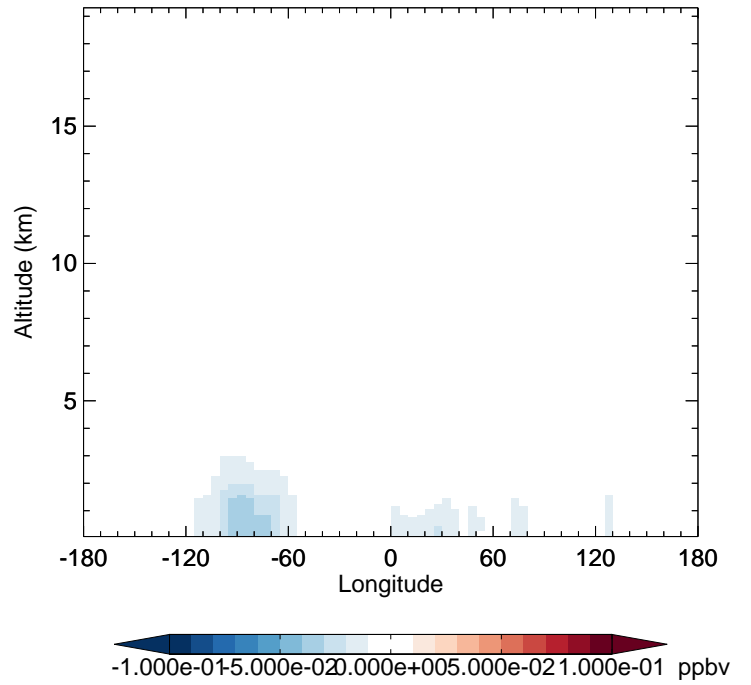
GC\_12.0.0 - v11-02f-Run1  
IONITA - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
IONITA - Diff along 15S for Apr



GC\_12.0.0 - v11-02e-Run1  
IONITA - Diff along 42N for Apr

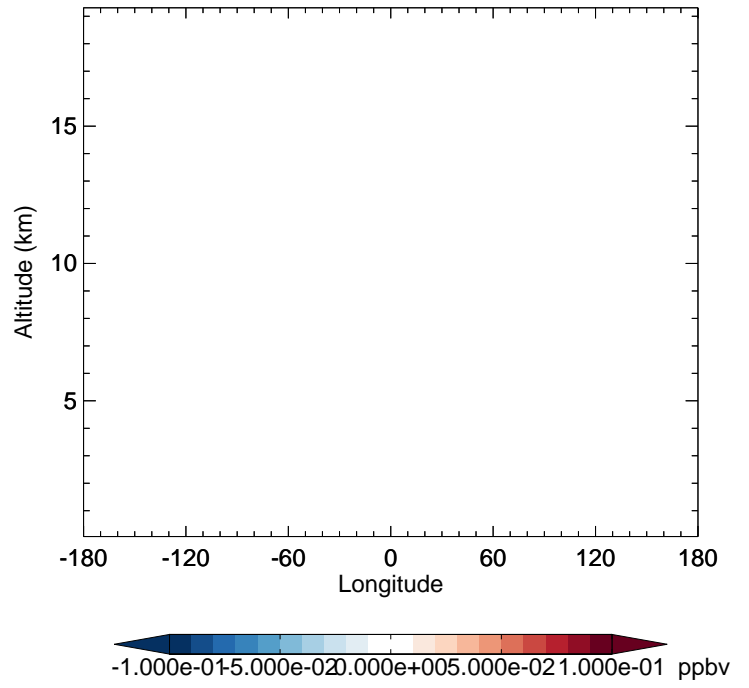


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

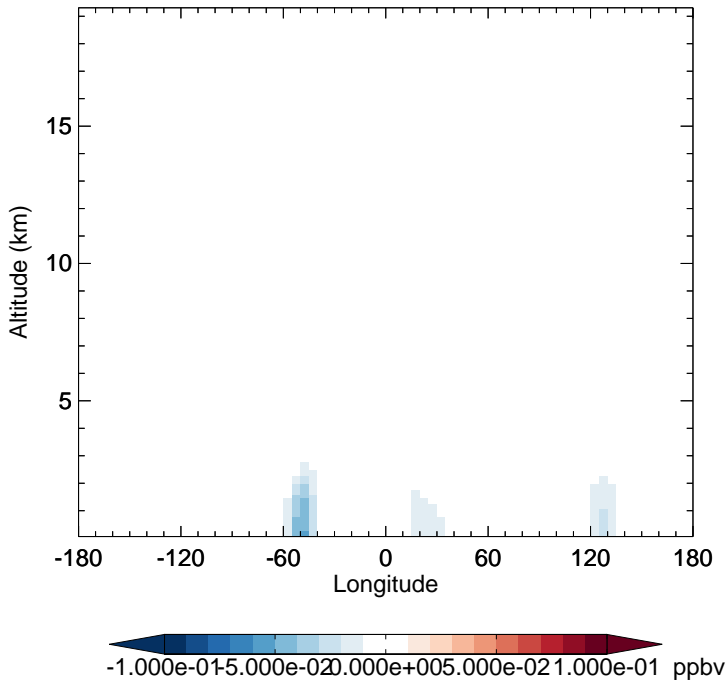
GC\_12.0.0 - v11-02f-Run1  
MONITA - Diff along 15S for Apr



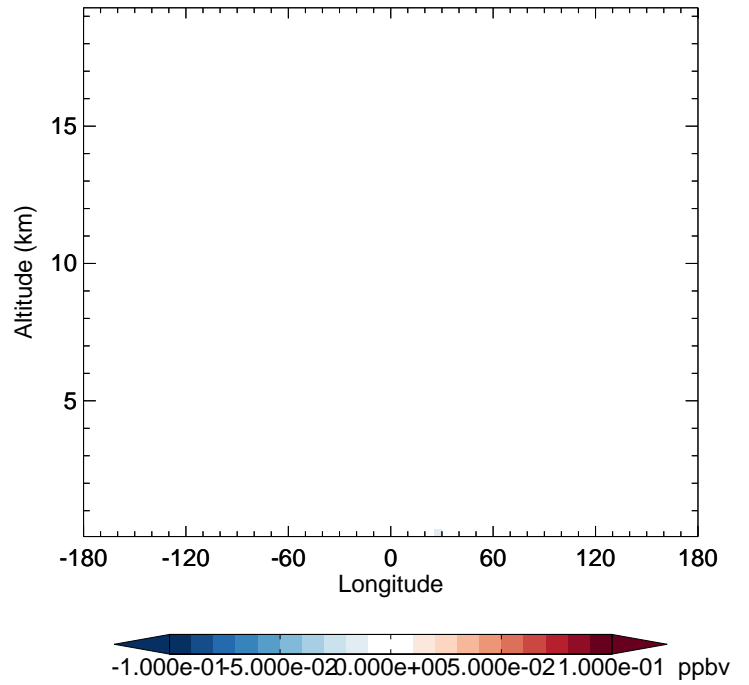
GC\_12.0.0 - v11-02f-Run1  
MONITA - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
MONITA - Diff along 15S for Apr

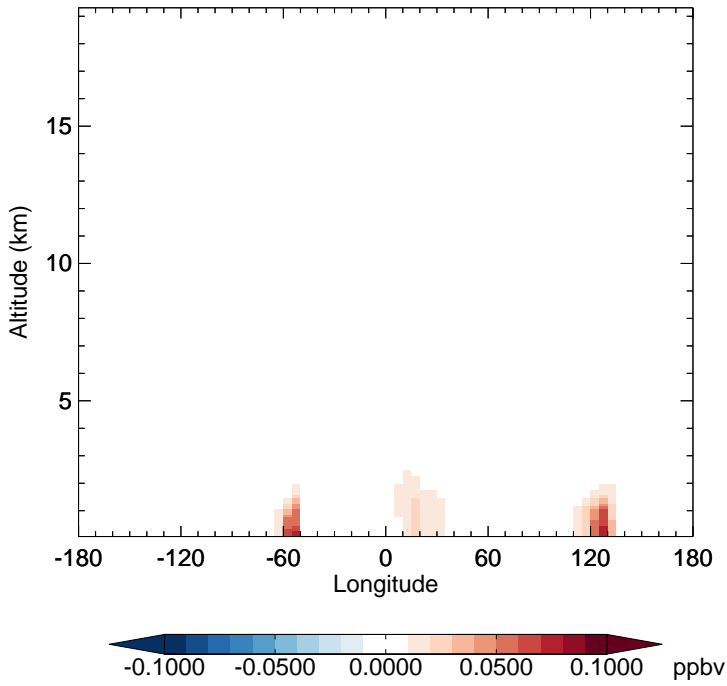


GC\_12.0.0 - v11-02e-Run1  
MONITA - Diff along 42N for Apr

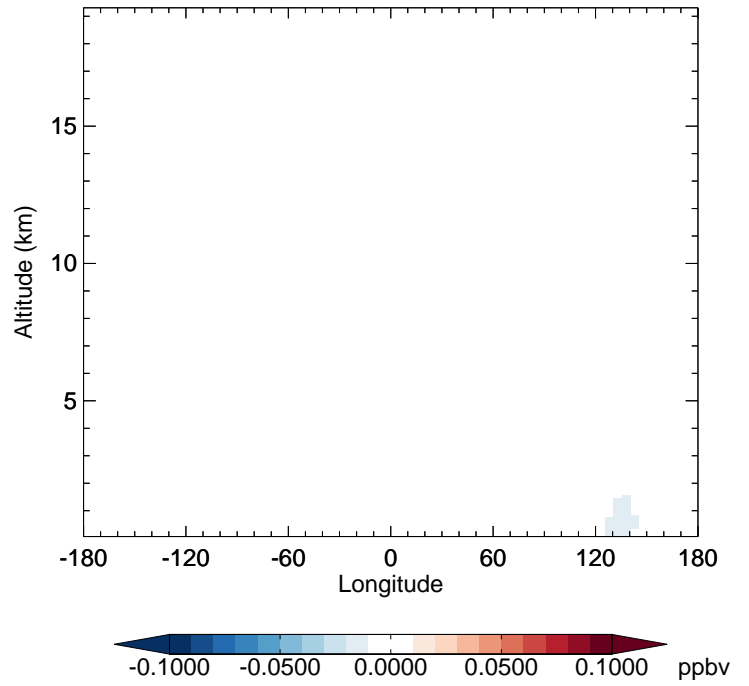


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

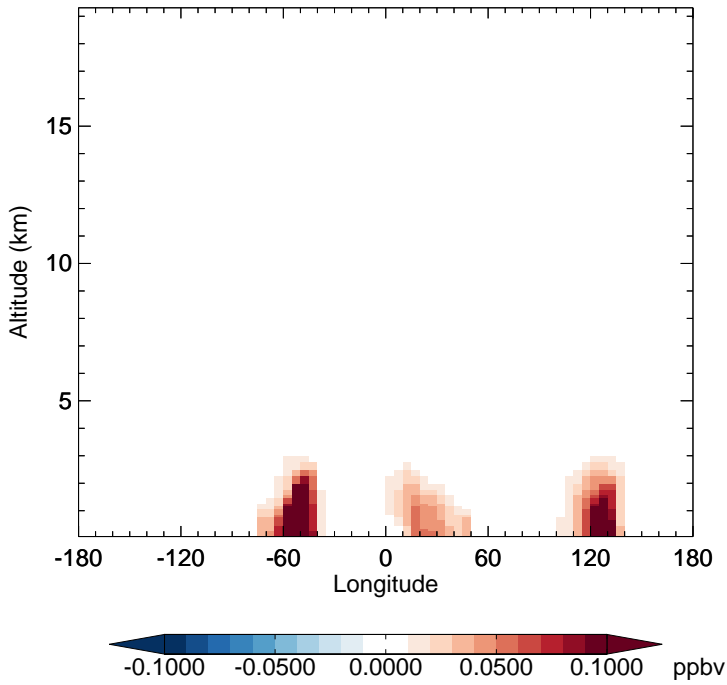
GC\_12.0.0 - v11-02f-Run1  
INDIOL - Diff along 15S for Apr



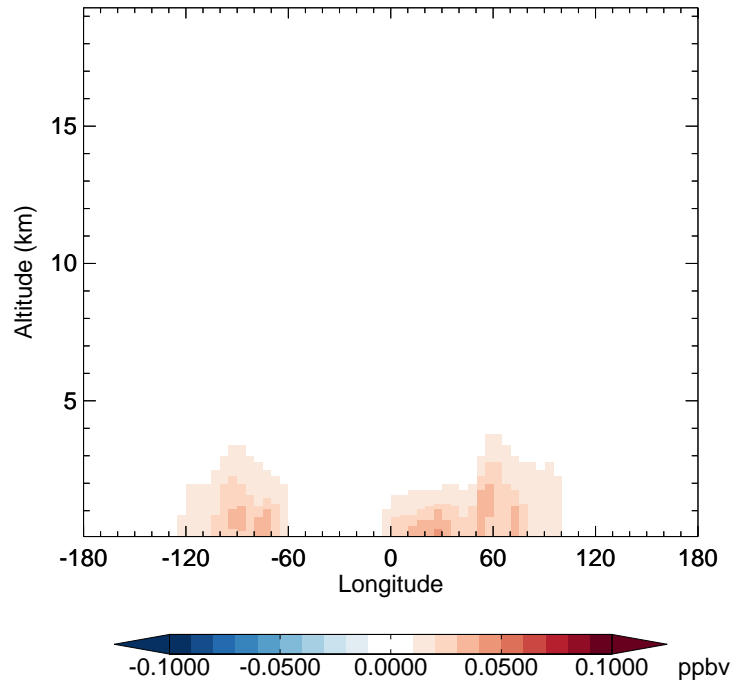
GC\_12.0.0 - v11-02f-Run1  
INDIOL - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
INDIOL - Diff along 15S for Apr

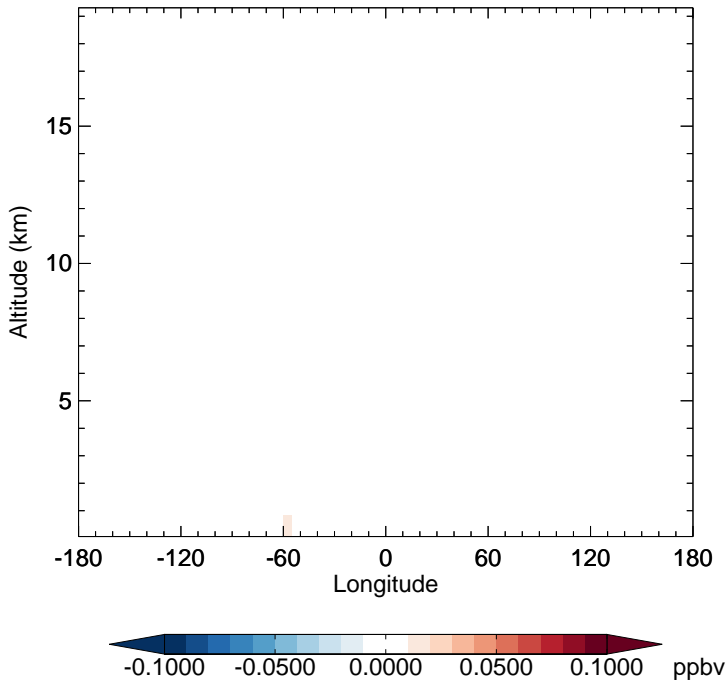


GC\_12.0.0 - v11-02e-Run1  
INDIOL - Diff along 42N for Apr

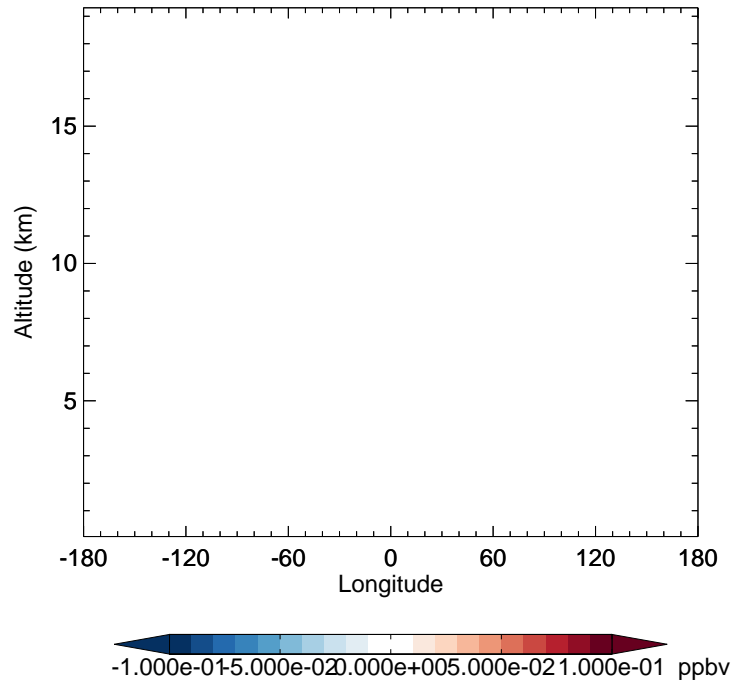


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

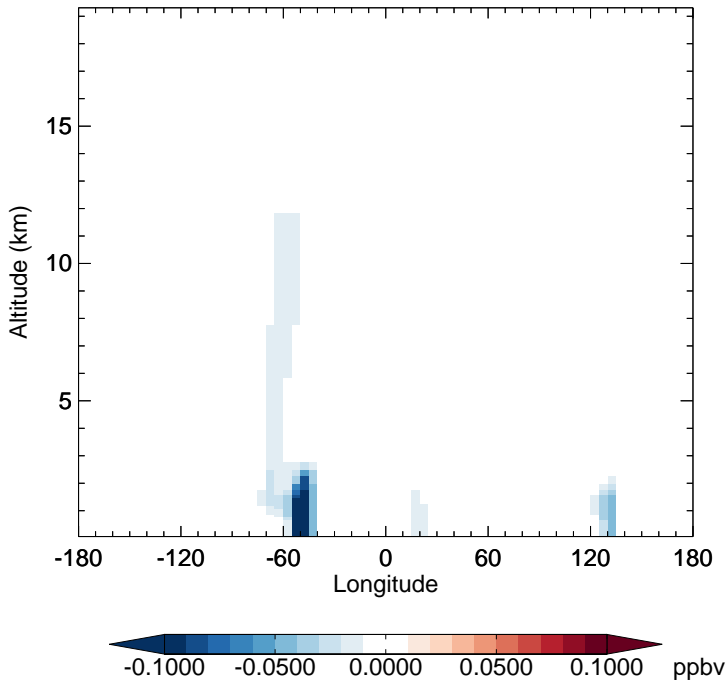
GC\_12.0.0 - v11-02f-Run1  
IPMN - Diff along 15S for Apr



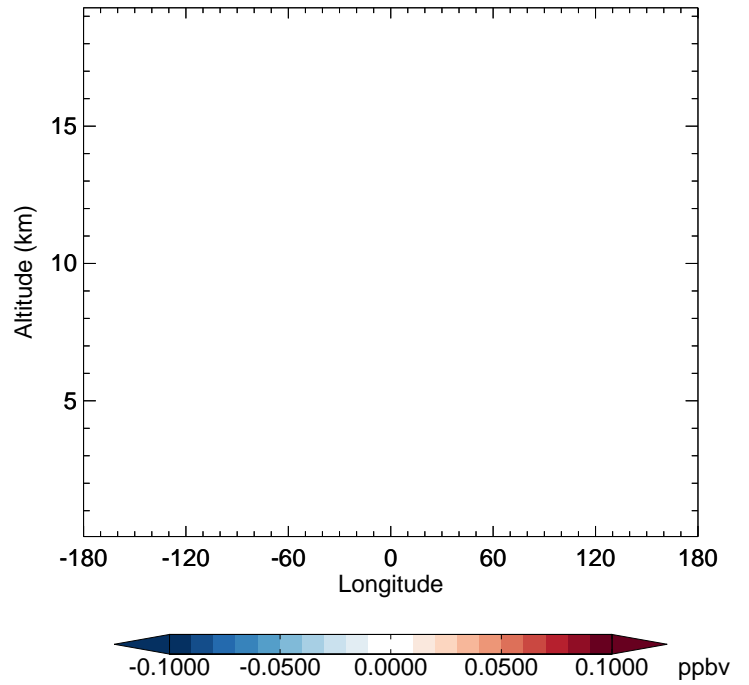
GC\_12.0.0 - v11-02f-Run1  
IPMN - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
IPMN - Diff along 15S for Apr

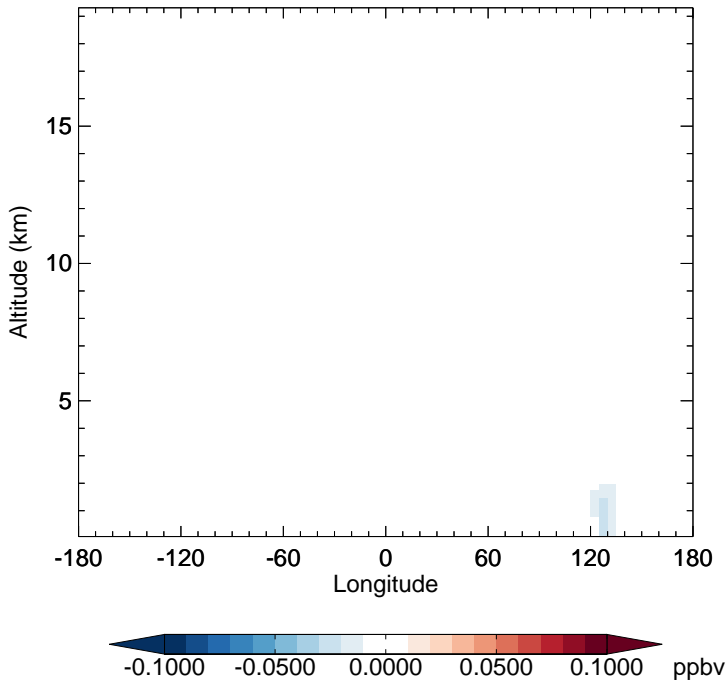


GC\_12.0.0 - v11-02e-Run1  
IPMN - Diff along 42N for Apr

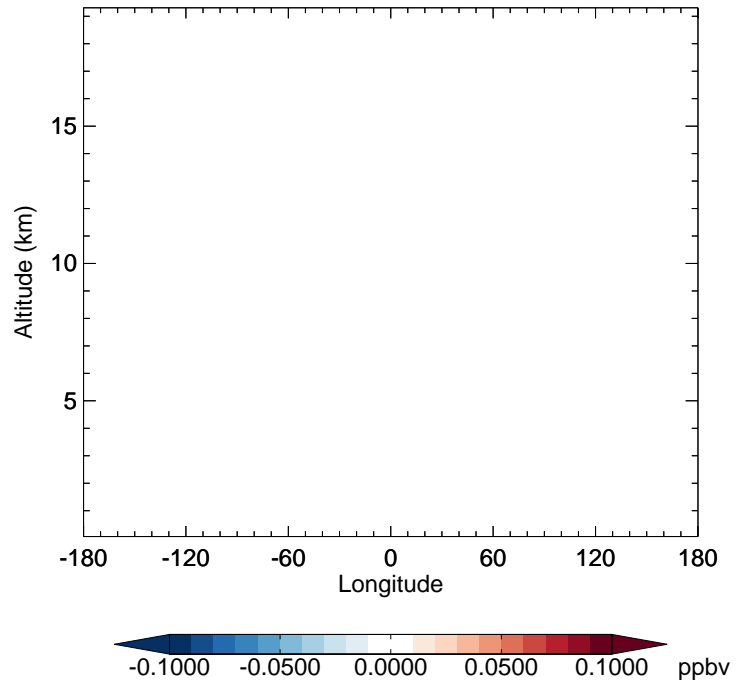


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

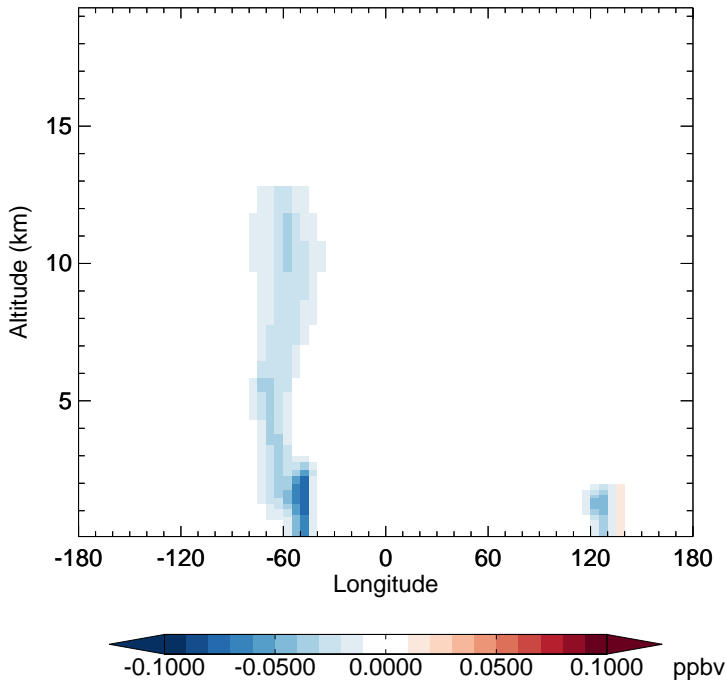
GC\_12.0.0 - v11-02f-Run1  
HC187 - Diff along 15S for Apr



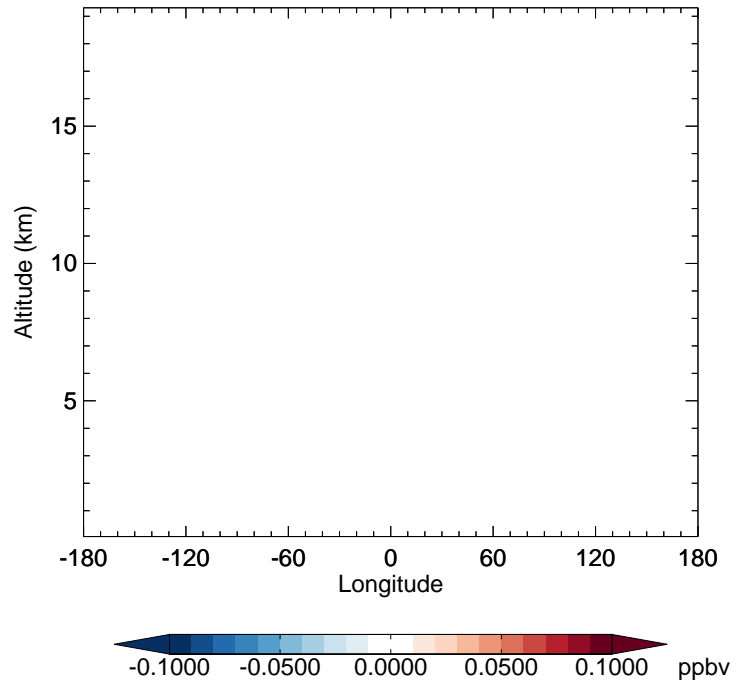
GC\_12.0.0 - v11-02f-Run1  
HC187 - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
HC187 - Diff along 15S for Apr

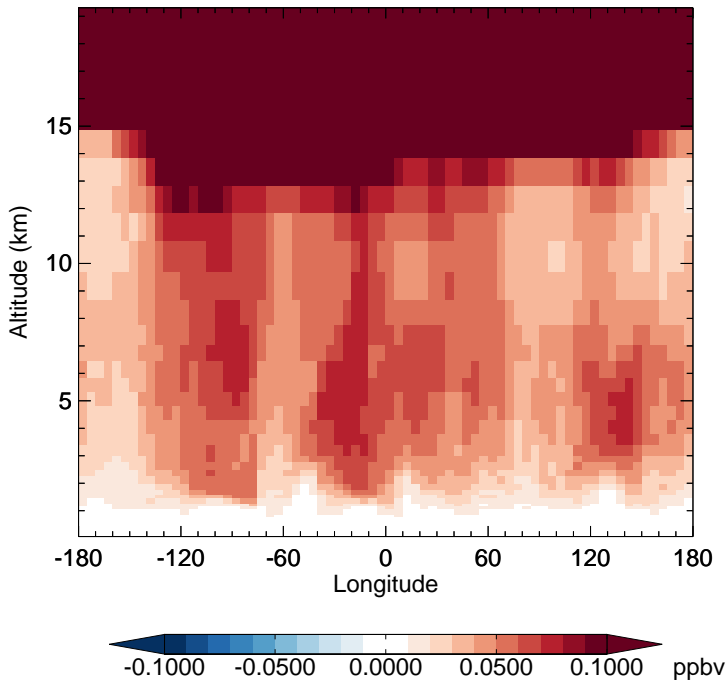


GC\_12.0.0 - v11-02e-Run1  
HC187 - Diff along 42N for Apr

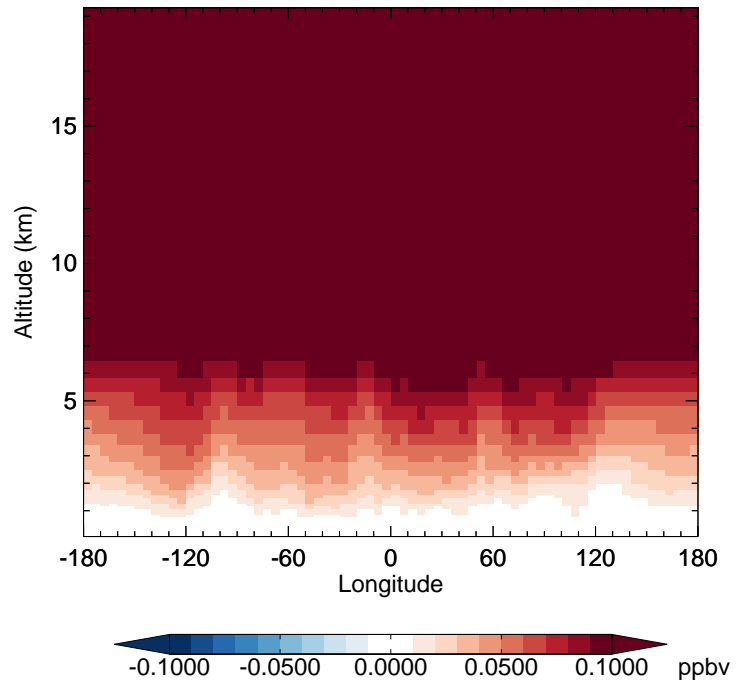


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

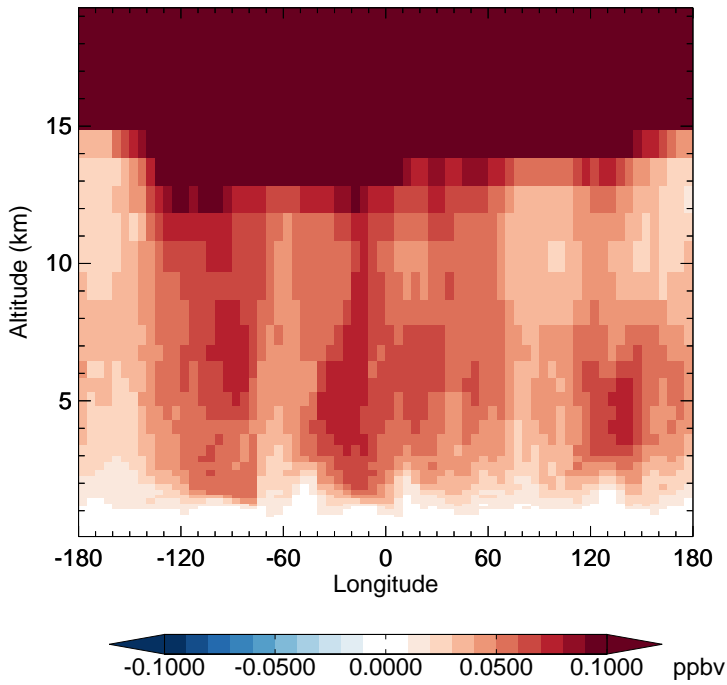
GC\_12.0.0 - v11-02f-Run1  
N2O - Diff along 15S for Apr



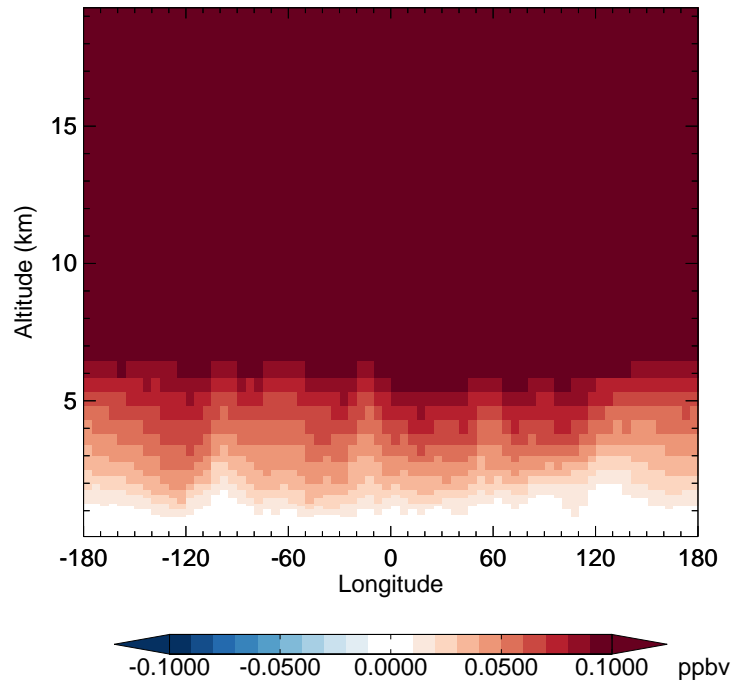
GC\_12.0.0 - v11-02f-Run1  
N2O - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
N2O - Diff along 15S for Apr



GC\_12.0.0 - v11-02e-Run1  
N2O - Diff along 42N for Apr



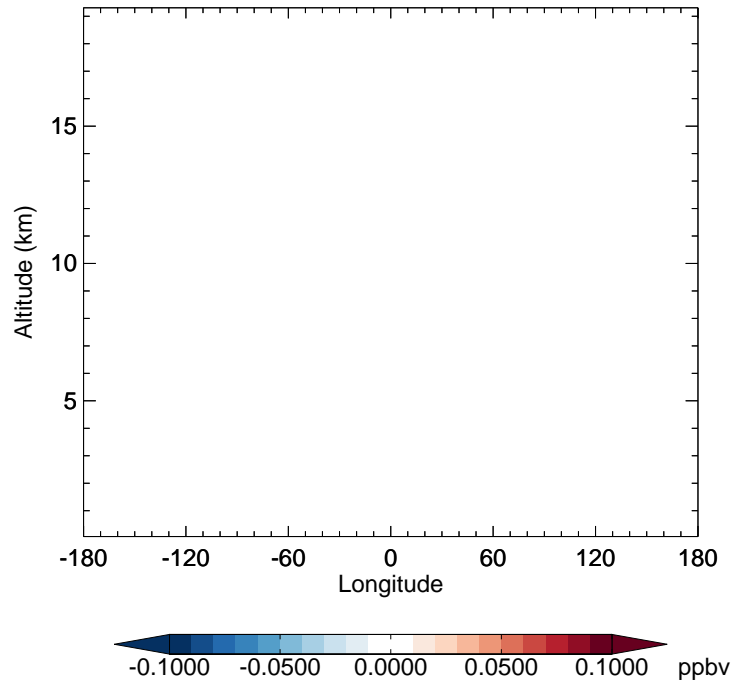


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

GC\_12.0.0 - v11-02f-Run1  
OCS - Diff along 15S for Apr



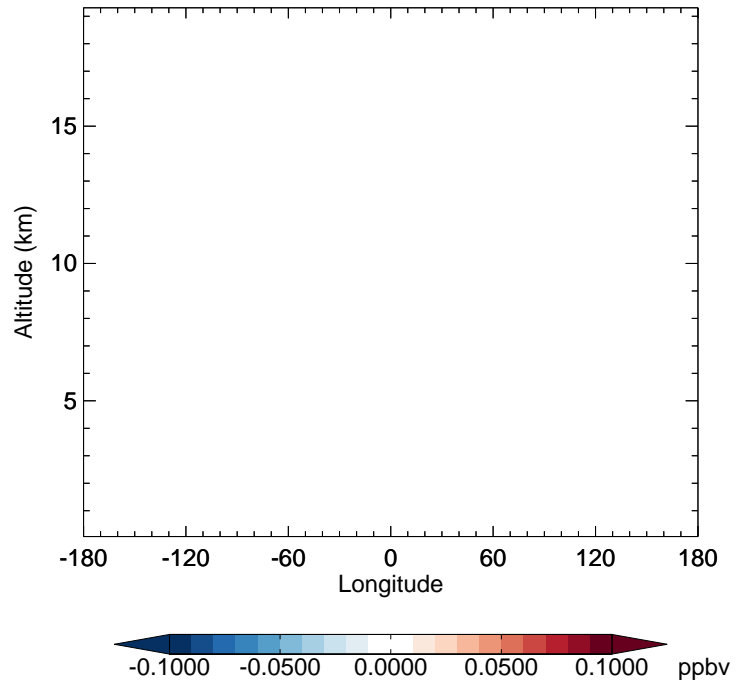
GC\_12.0.0 - v11-02f-Run1  
OCS - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
OCS - Diff along 15S for Apr

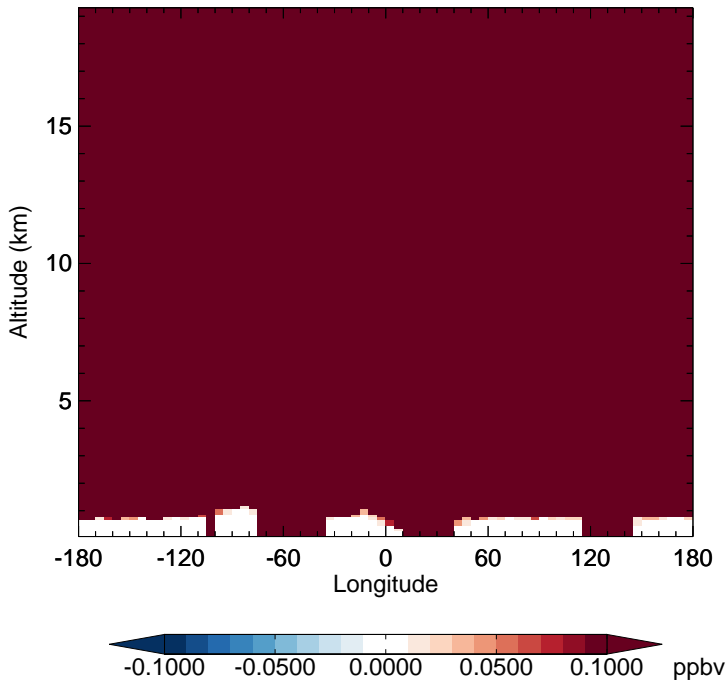


GC\_12.0.0 - v11-02e-Run1  
OCS - Diff along 42N for Apr

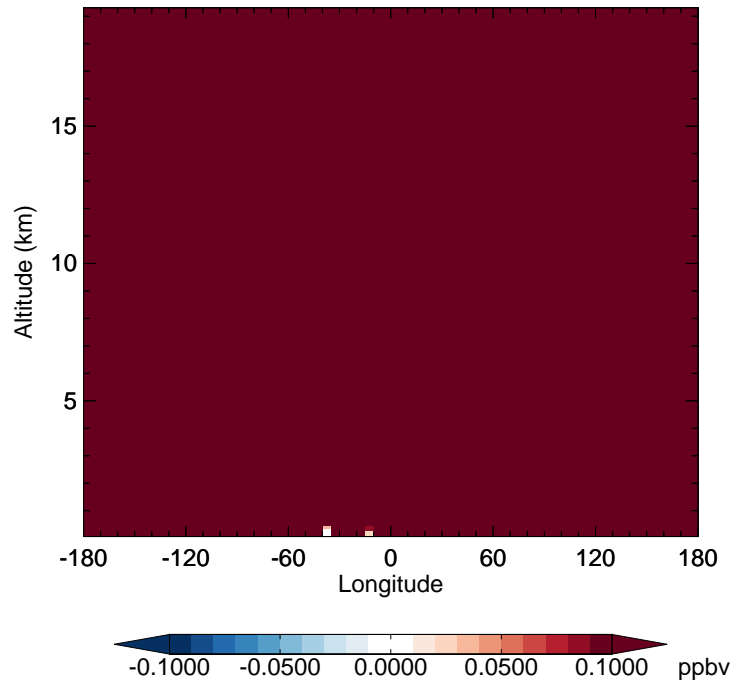


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

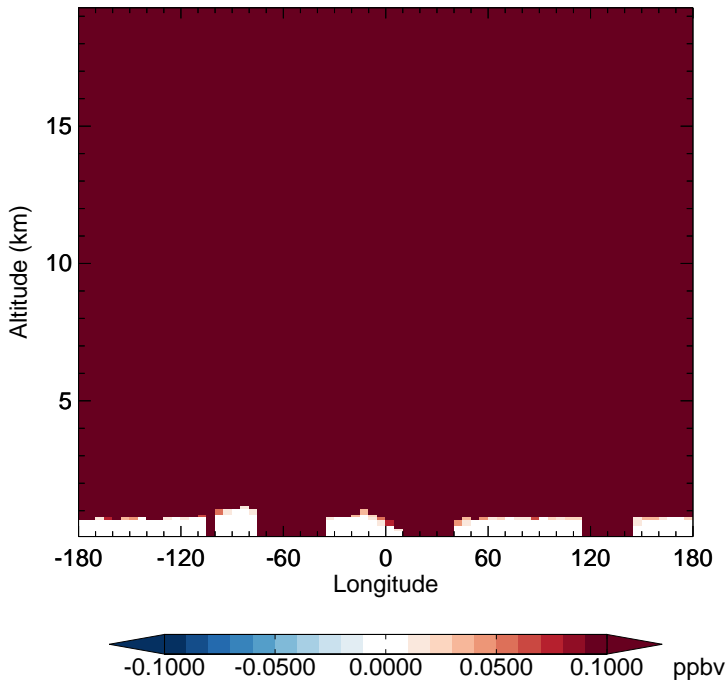
GC\_12.0.0 - v11-02f-Run1  
CH4 - Diff along 15S for Apr



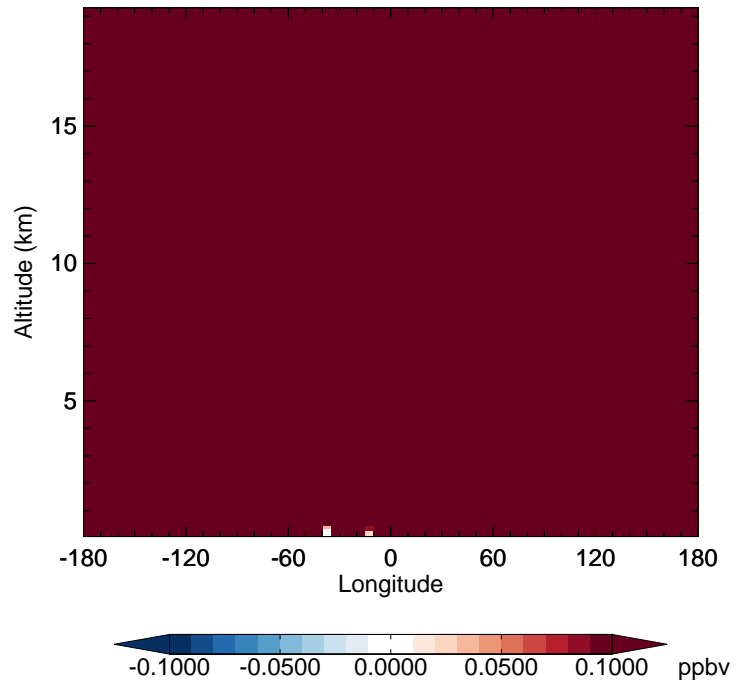
GC\_12.0.0 - v11-02f-Run1  
CH4 - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
CH4 - Diff along 15S for Apr



GC\_12.0.0 - v11-02e-Run1  
CH4 - Diff along 42N for Apr

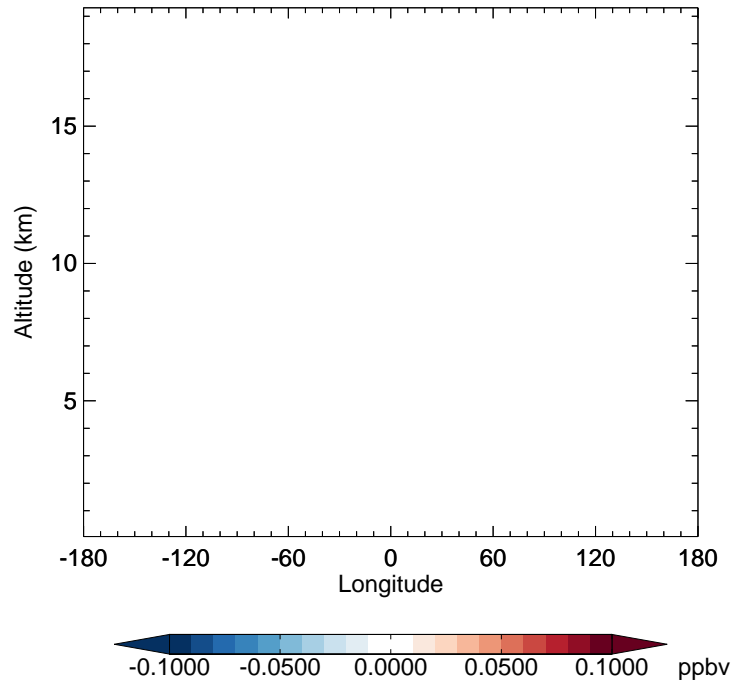


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

GC\_12.0.0 - v11-02f-Run1  
BrCl - Diff along 15S for Apr



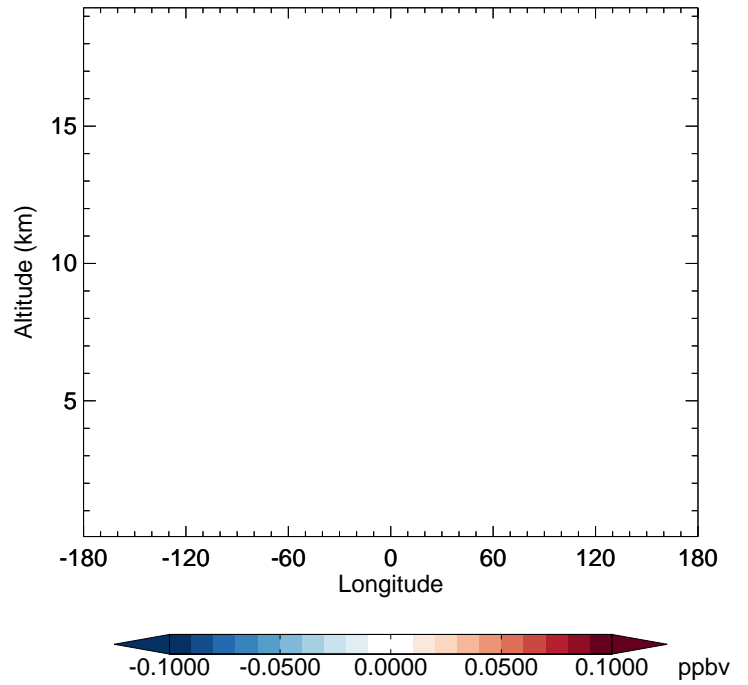
GC\_12.0.0 - v11-02f-Run1  
BrCl - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
BrCl - Diff along 15S for Apr

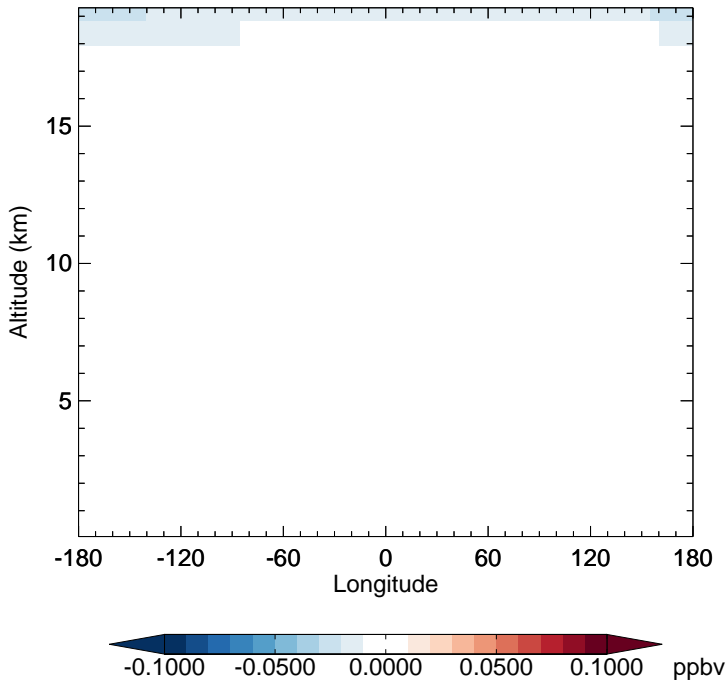


GC\_12.0.0 - v11-02e-Run1  
BrCl - Diff along 42N for Apr

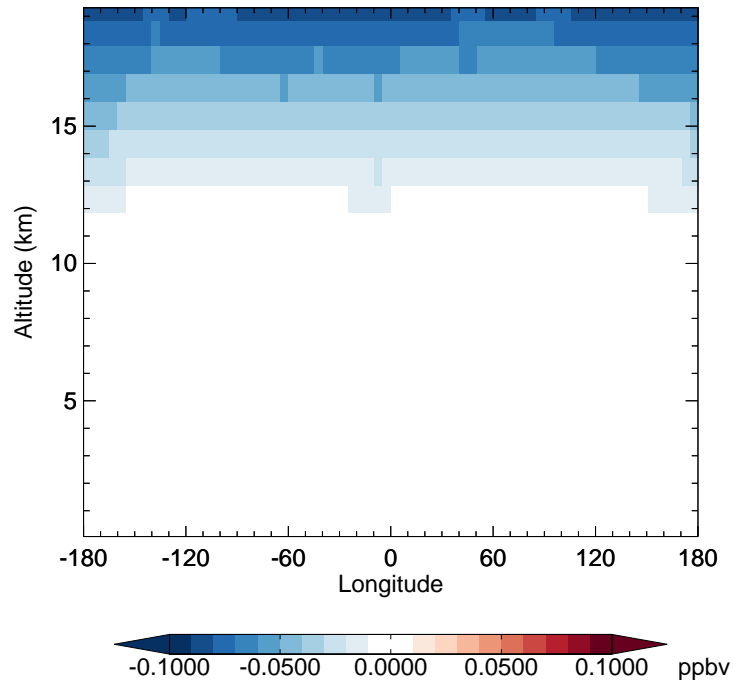


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

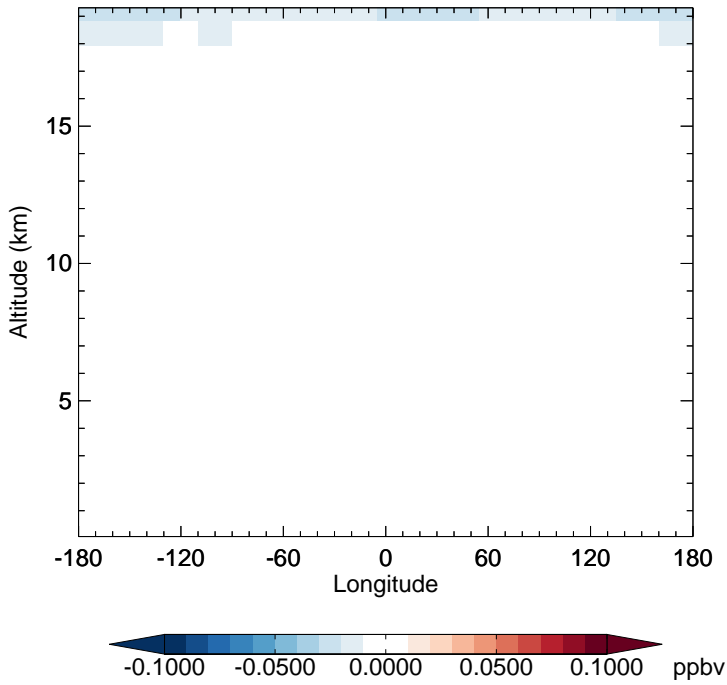
GC\_12.0.0 - v11-02f-Run1  
HCl - Diff along 15S for Apr



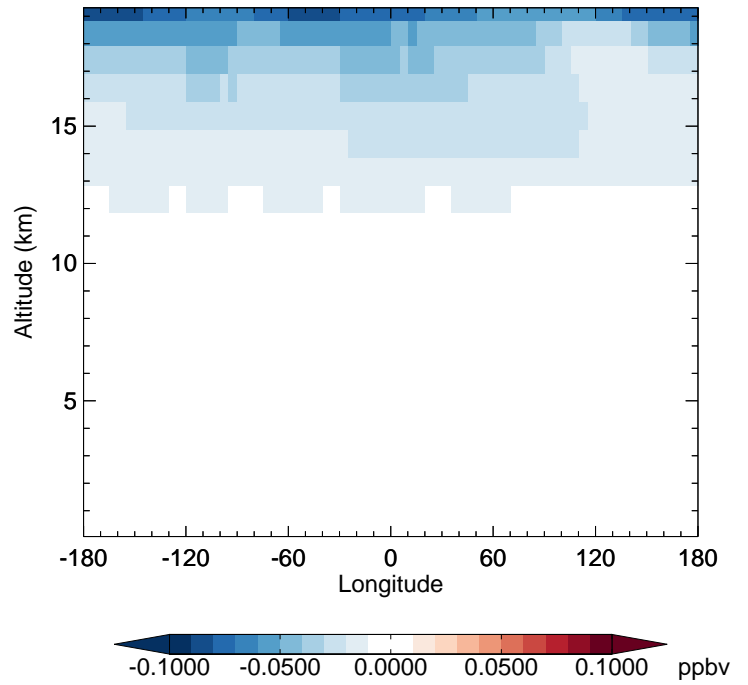
GC\_12.0.0 - v11-02f-Run1  
HCl - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
HCl - Diff along 15S for Apr



GC\_12.0.0 - v11-02e-Run1  
HCl - Diff along 42N for Apr

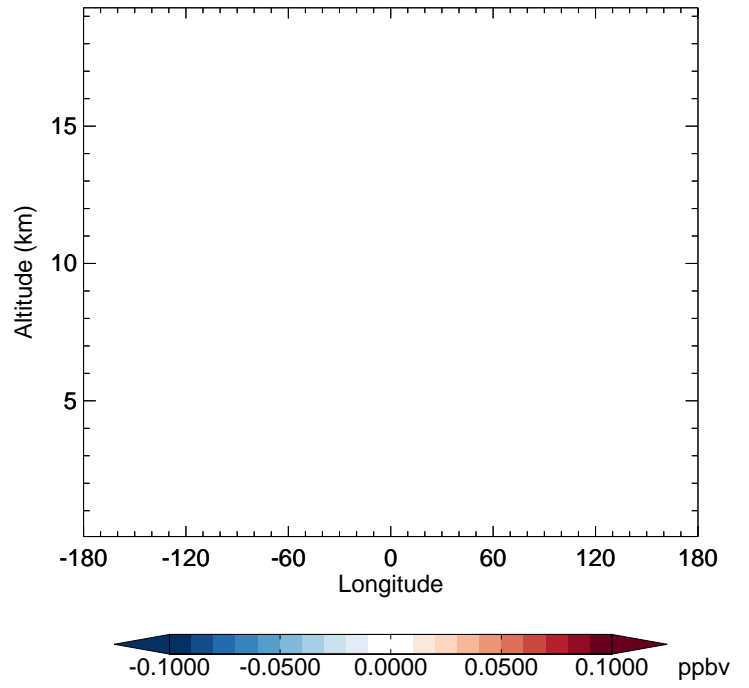


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

GC\_12.0.0 - v11-02f-Run1  
CCI4 - Diff along 15S for Apr



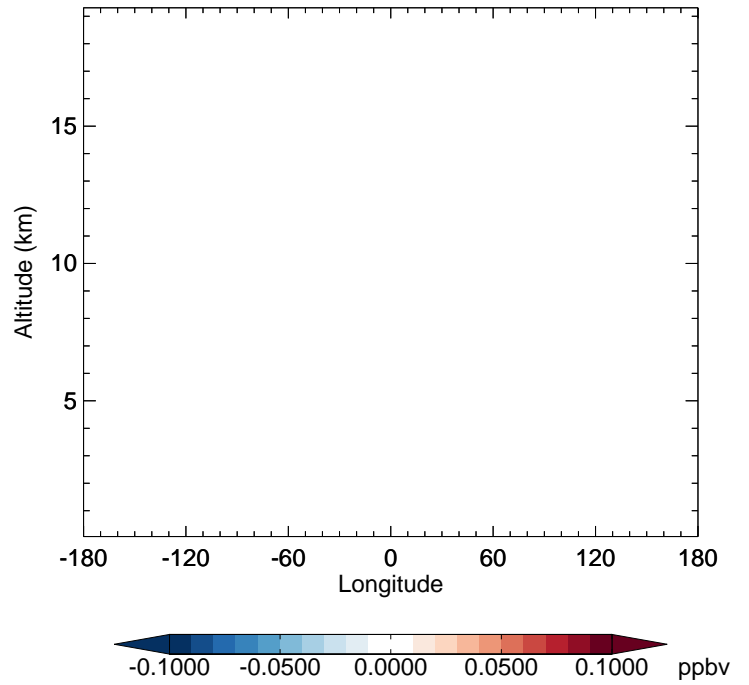
GC\_12.0.0 - v11-02f-Run1  
CCI4 - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
CCI4 - Diff along 15S for Apr



GC\_12.0.0 - v11-02e-Run1  
CCI4 - Diff along 42N for Apr

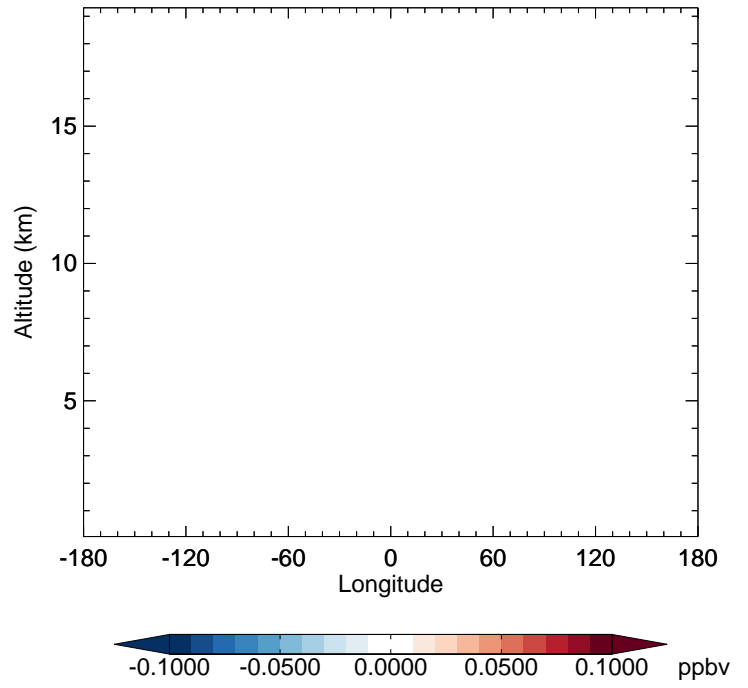


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

GC\_12.0.0 - v11-02f-Run1  
CH3Cl - Diff along 15S for Apr



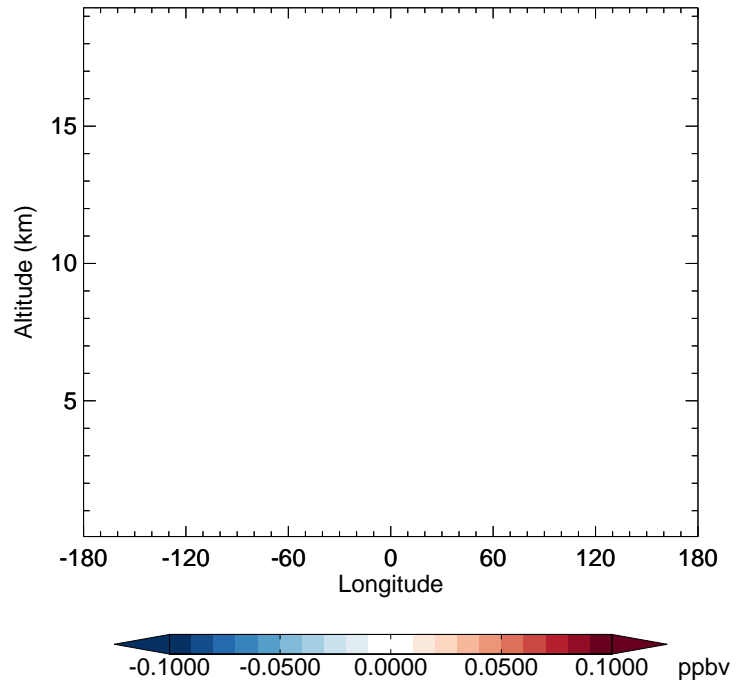
GC\_12.0.0 - v11-02f-Run1  
CH3Cl - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
CH3Cl - Diff along 15S for Apr



GC\_12.0.0 - v11-02e-Run1  
CH3Cl - Diff along 42N for Apr

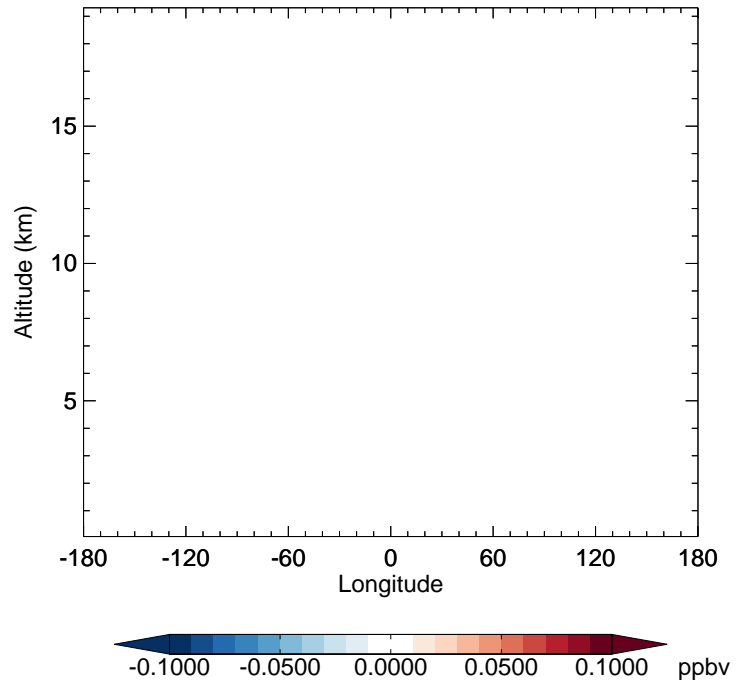


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

GC\_12.0.0 - v11-02f-Run1  
CH3CCI3 - Diff along 15S for Apr



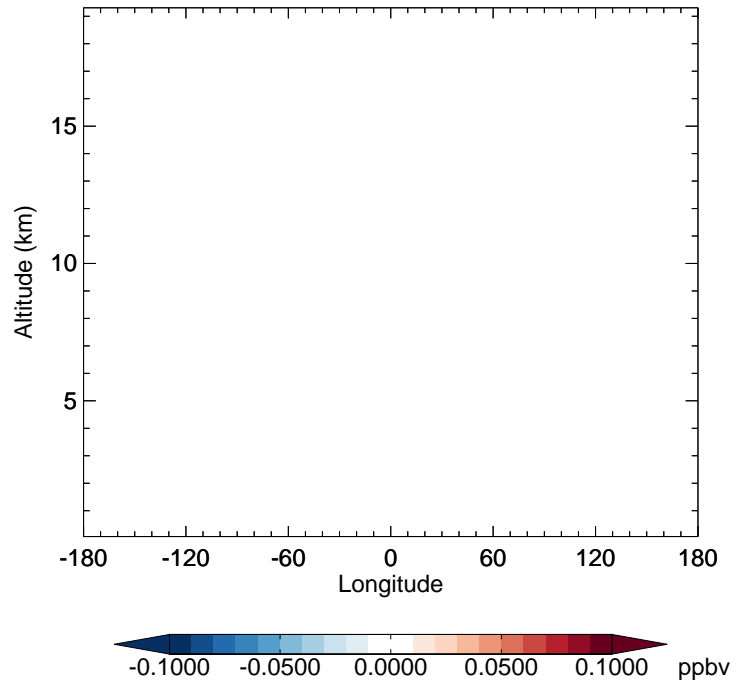
GC\_12.0.0 - v11-02f-Run1  
CH3CCI3 - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
CH3CCI3 - Diff along 15S for Apr



GC\_12.0.0 - v11-02e-Run1  
CH3CCI3 - Diff along 42N for Apr

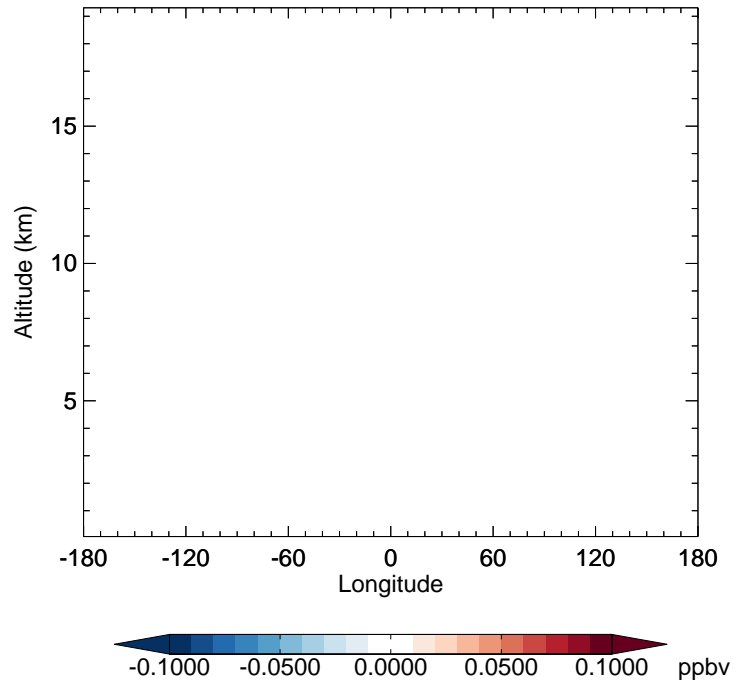


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

GC\_12.0.0 - v11-02f-Run1  
CFC113 - Diff along 15S for Apr



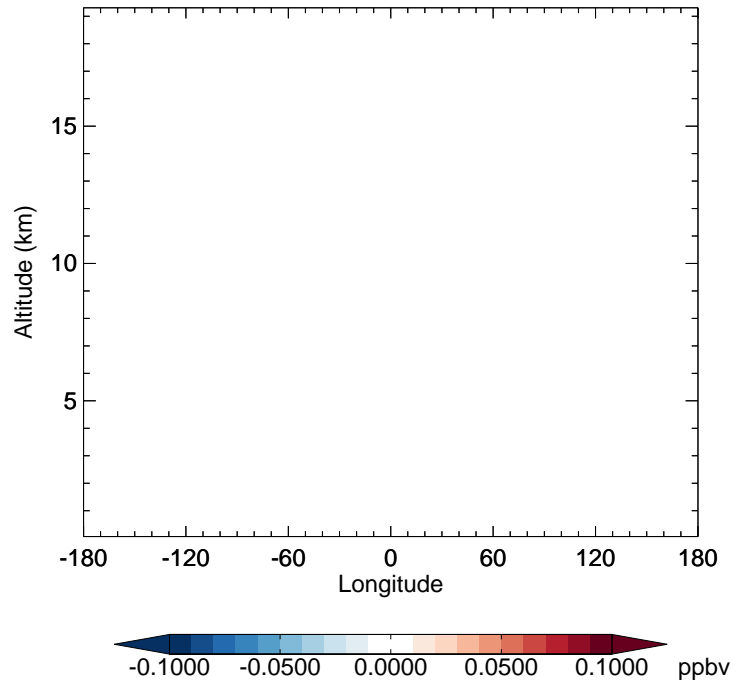
GC\_12.0.0 - v11-02f-Run1  
CFC113 - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
CFC113 - Diff along 15S for Apr



GC\_12.0.0 - v11-02e-Run1  
CFC113 - Diff along 42N for Apr



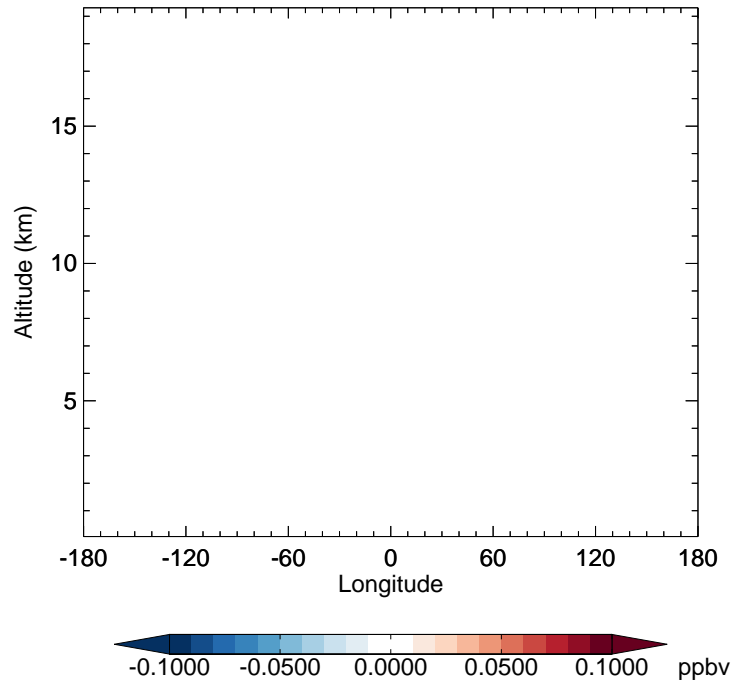


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

GC\_12.0.0 - v11-02f-Run1  
CFC114 - Diff along 15S for Apr



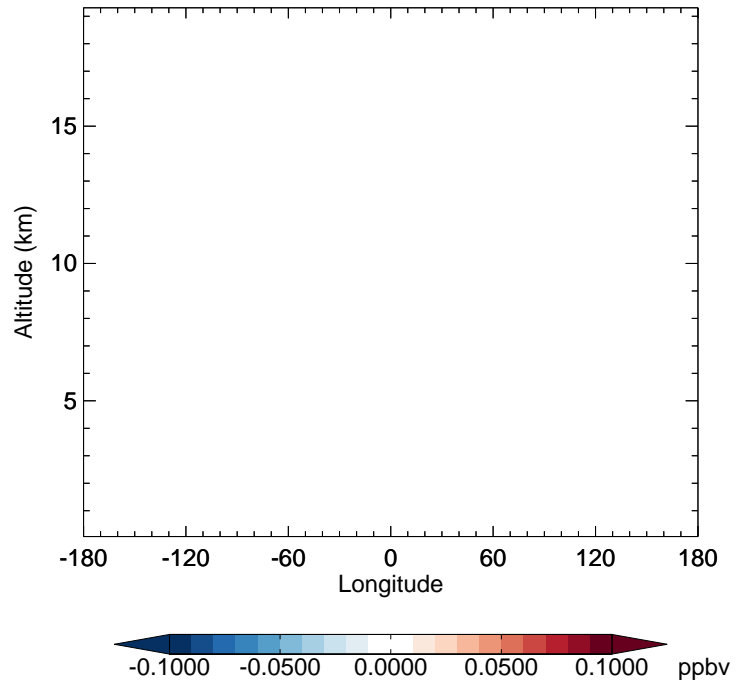
GC\_12.0.0 - v11-02f-Run1  
CFC114 - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
CFC114 - Diff along 15S for Apr

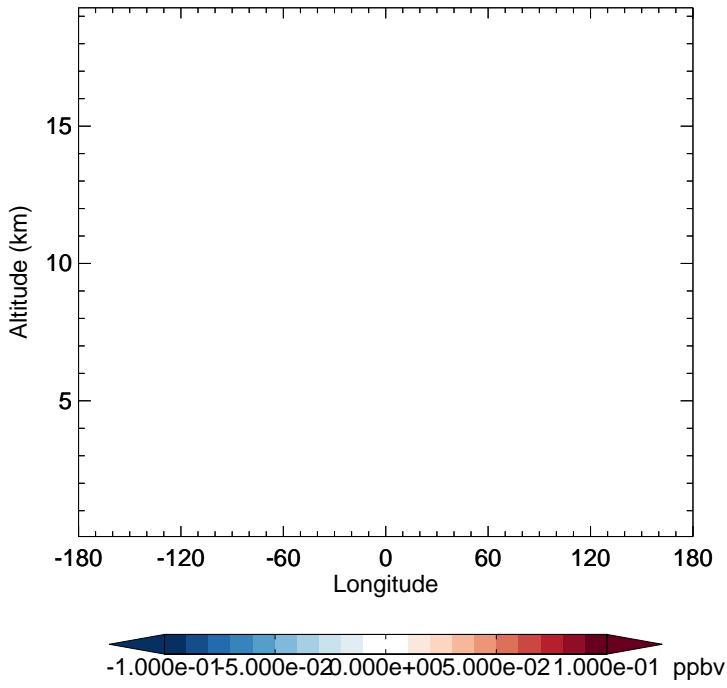


GC\_12.0.0 - v11-02e-Run1  
CFC114 - Diff along 42N for Apr

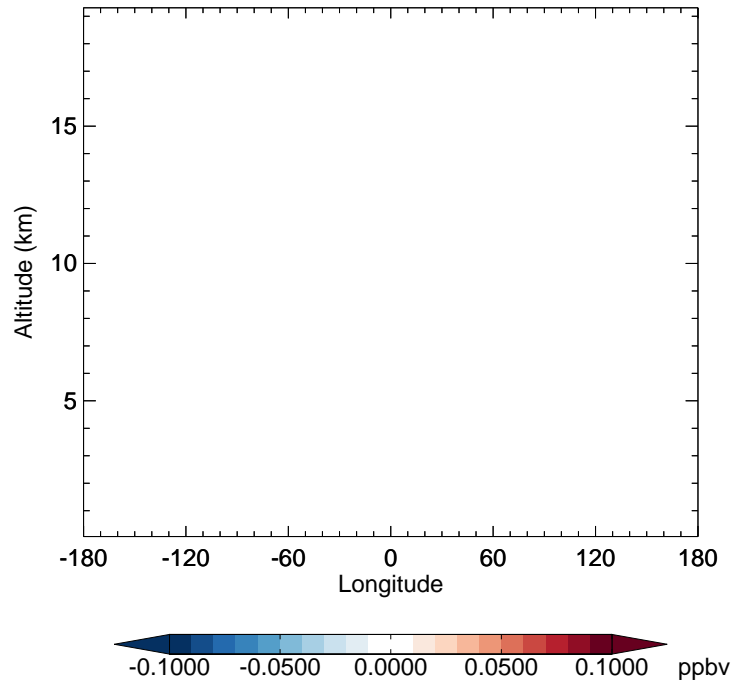


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

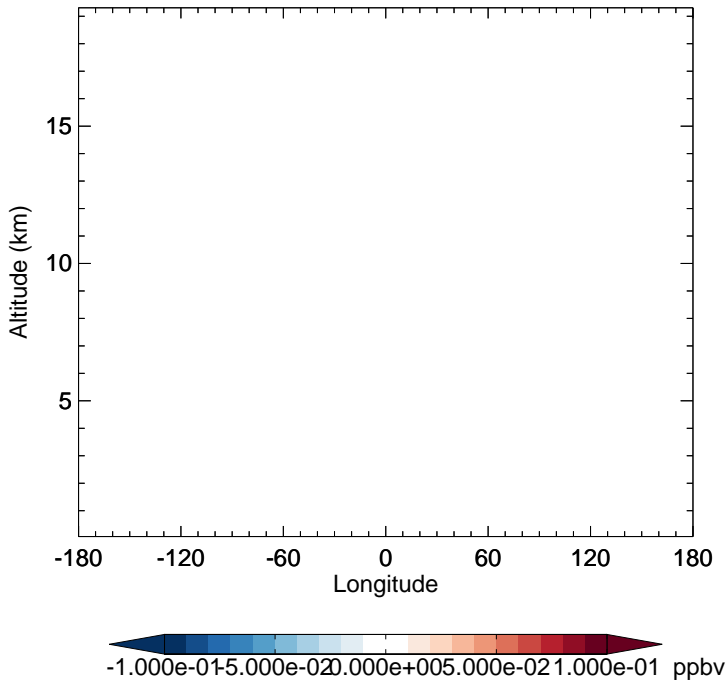
GC\_12.0.0 - v11-02f-Run1  
CFC115 - Diff along 15S for Apr



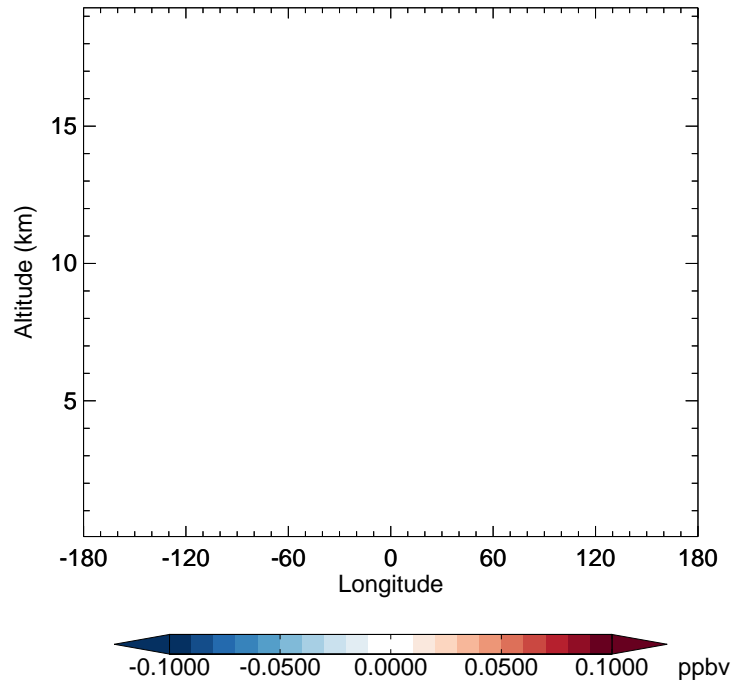
GC\_12.0.0 - v11-02f-Run1  
CFC115 - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
CFC115 - Diff along 15S for Apr



GC\_12.0.0 - v11-02e-Run1  
CFC115 - Diff along 42N for Apr



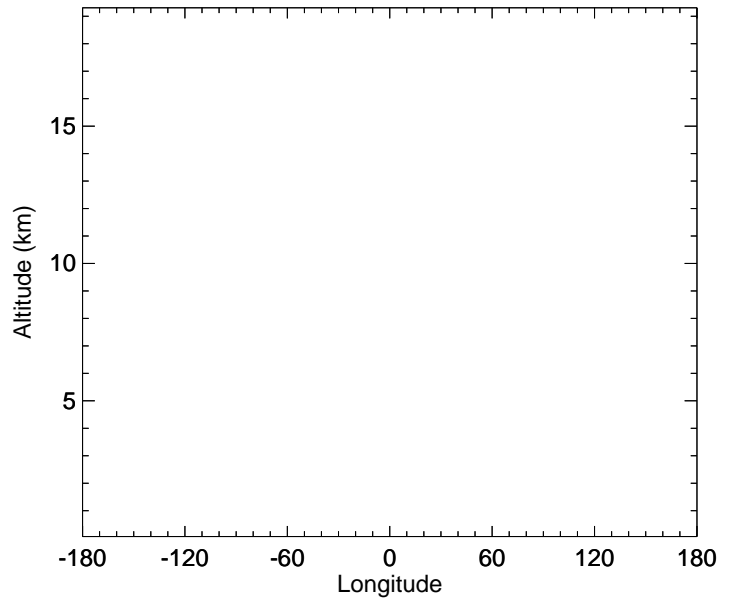
# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

GC\_12.0.0 - v11-02f-Run1  
HCFC123 - Diff along 15S for Apr



-1.000e-01 5.000e-02 0.000e+00 5.000e-02 1.000e-01 ppbv

GC\_12.0.0 - v11-02f-Run1  
HCFC123 - Diff along 42N for Apr



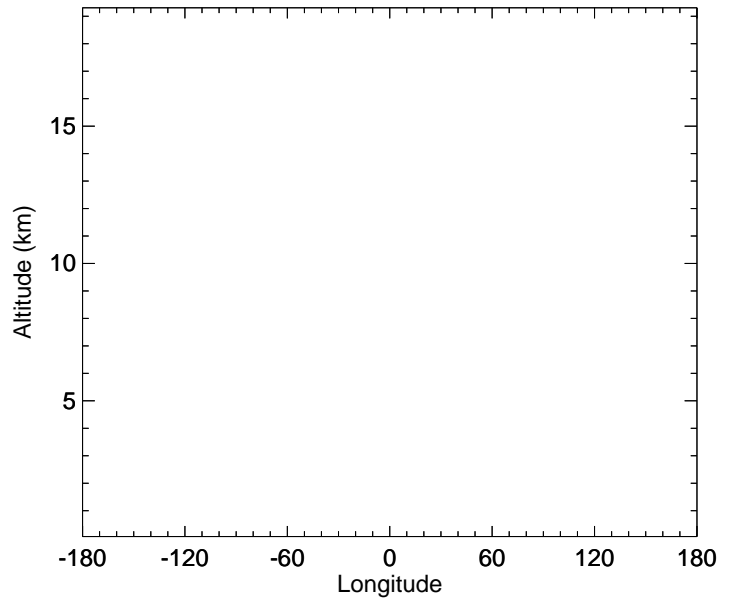
-1.000e-01 5.000e-02 0.000e+00 5.000e-02 1.000e-01 ppbv

GC\_12.0.0 - v11-02e-Run1  
HCFC123 - Diff along 15S for Apr



-1.000e-01 5.000e-02 0.000e+00 5.000e-02 1.000e-01 ppbv

GC\_12.0.0 - v11-02e-Run1  
HCFC123 - Diff along 42N for Apr



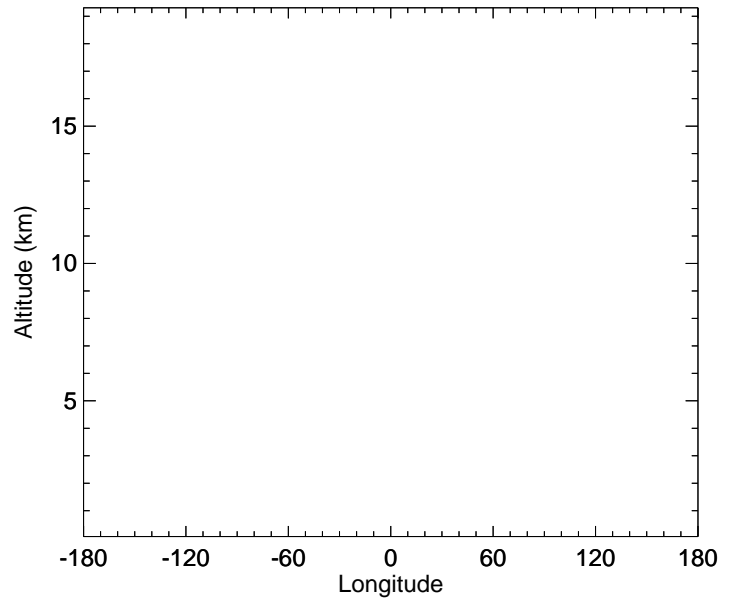
-1.000e-01 5.000e-02 0.000e+00 5.000e-02 1.000e-01 ppbv

# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

GC\_12.0.0 - v11-02f-Run1  
HCFC141b - Diff along 15S for Apr



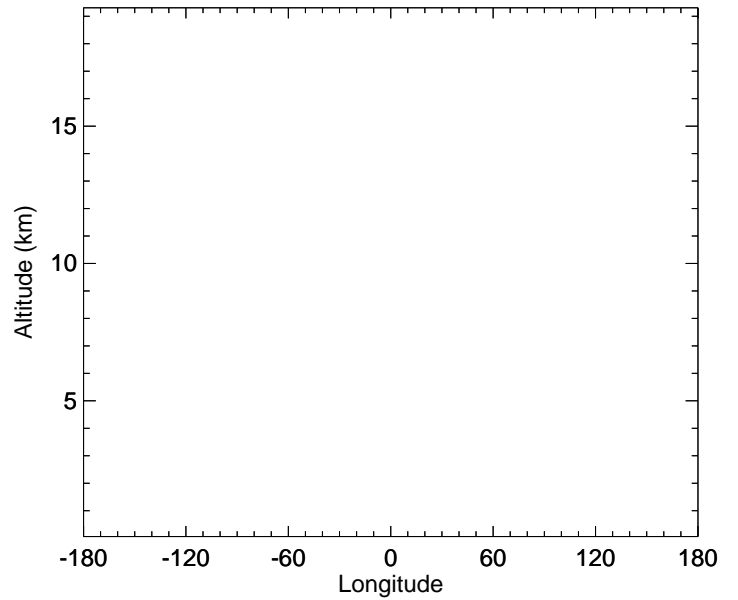
GC\_12.0.0 - v11-02f-Run1  
HCFC141b - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
HCFC141b - Diff along 15S for Apr



GC\_12.0.0 - v11-02e-Run1  
HCFC141b - Diff along 42N for Apr

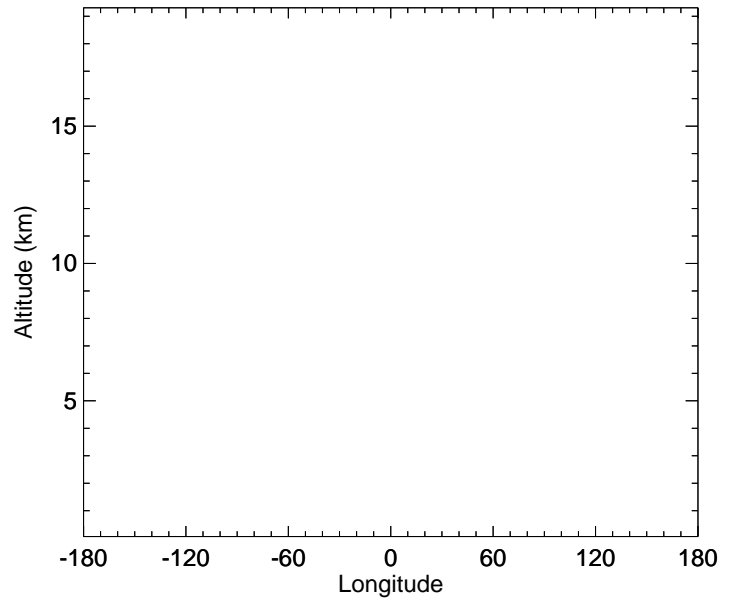


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

GC\_12.0.0 - v11-02f-Run1  
HCFC142b - Diff along 15S for Apr



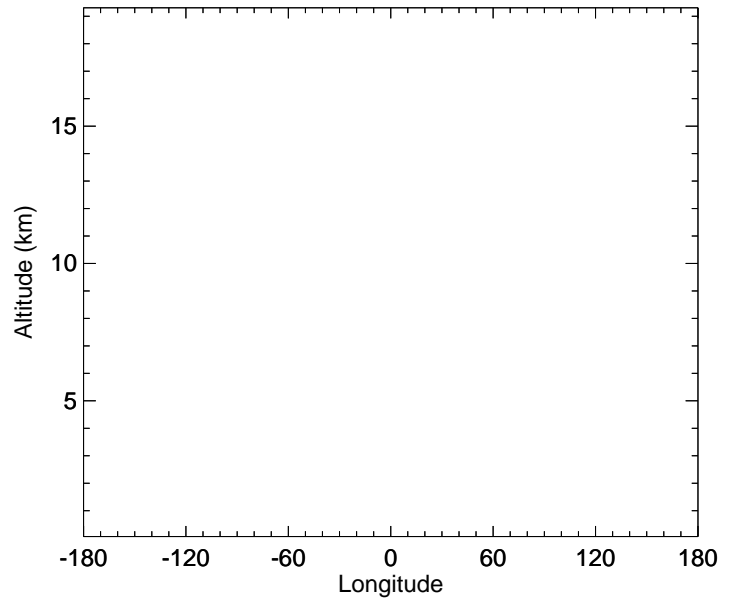
GC\_12.0.0 - v11-02f-Run1  
HCFC142b - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
HCFC142b - Diff along 15S for Apr



GC\_12.0.0 - v11-02e-Run1  
HCFC142b - Diff along 42N for Apr

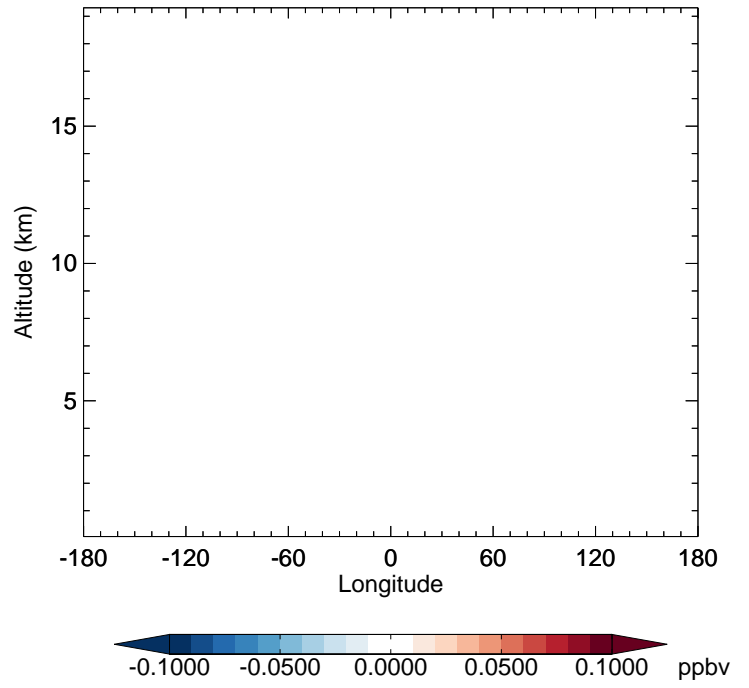


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

GC\_12.0.0 - v11-02f-Run1  
CFC11 - Diff along 15S for Apr



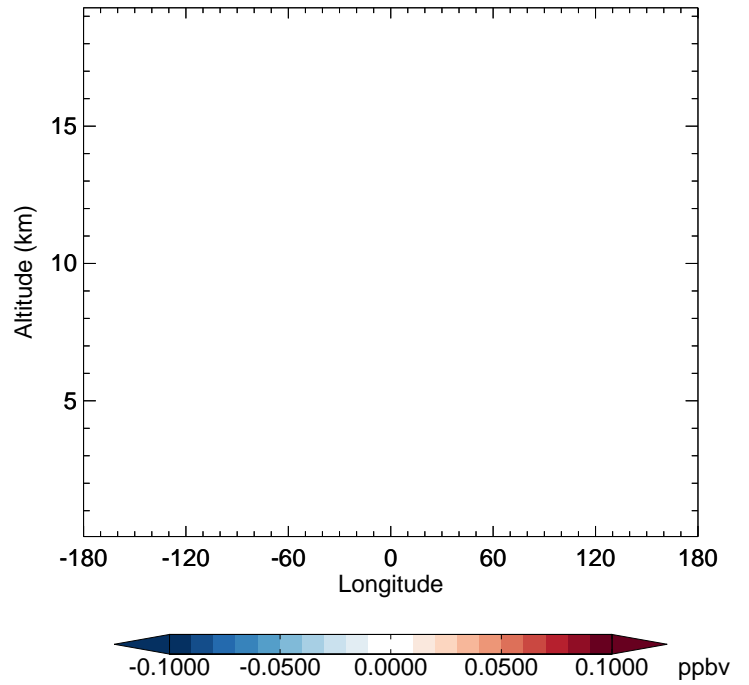
GC\_12.0.0 - v11-02f-Run1  
CFC11 - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
CFC11 - Diff along 15S for Apr



GC\_12.0.0 - v11-02e-Run1  
CFC11 - Diff along 42N for Apr

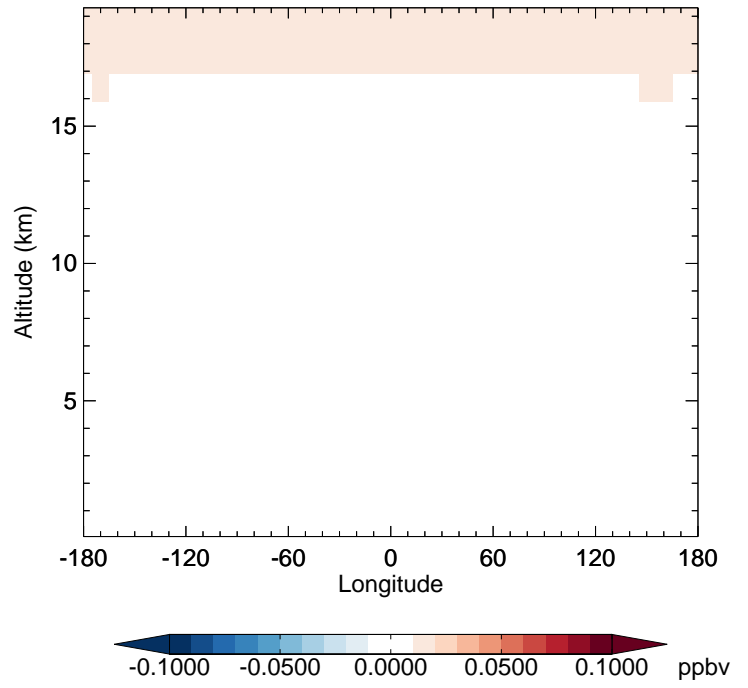


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

GC\_12.0.0 - v11-02f-Run1  
CFC12 - Diff along 15S for Apr



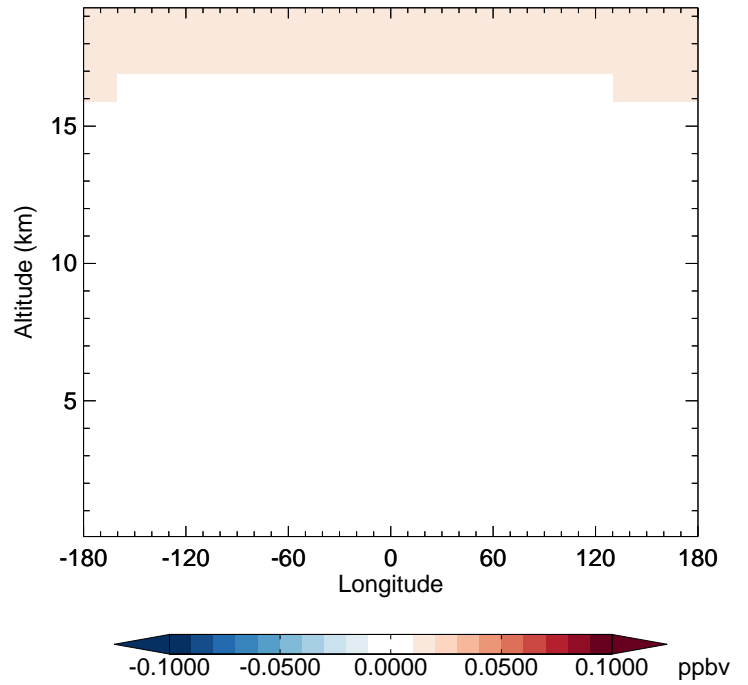
GC\_12.0.0 - v11-02f-Run1  
CFC12 - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
CFC12 - Diff along 15S for Apr

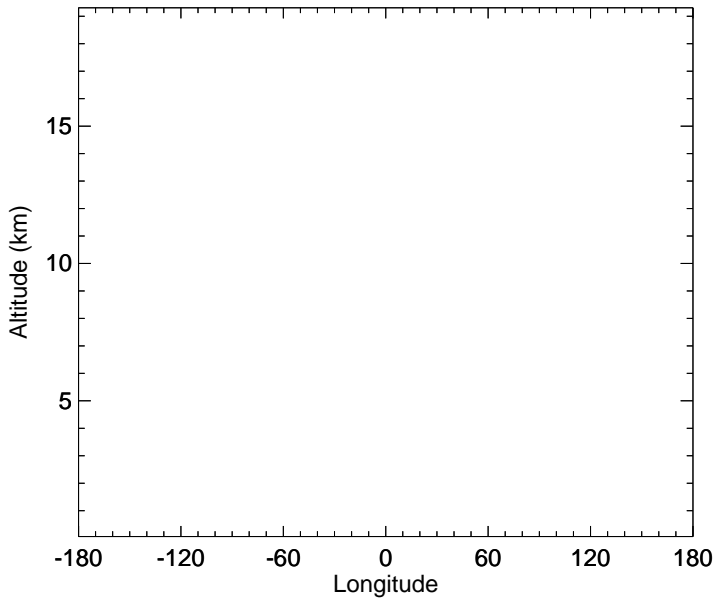


GC\_12.0.0 - v11-02e-Run1  
CFC12 - Diff along 42N for Apr



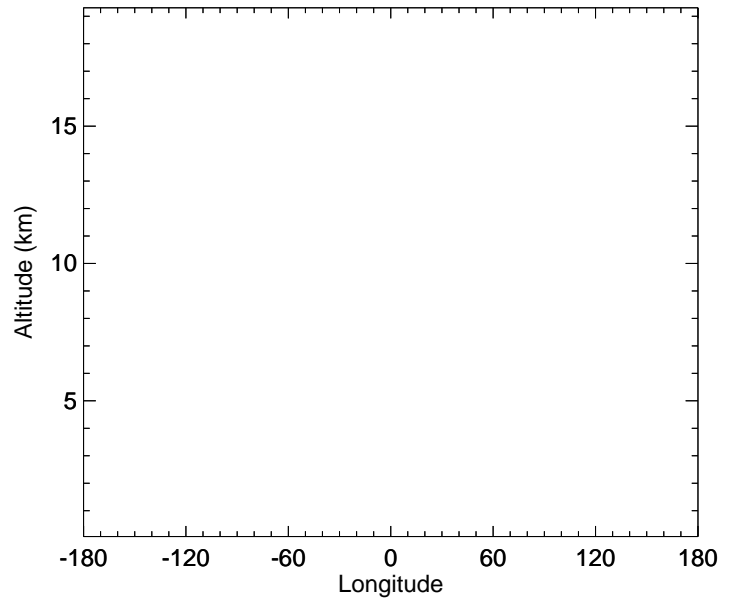
# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

GC\_12.0.0 - v11-02f-Run1  
HCFC22 - Diff along 15S for Apr



-1.000e-01 5.000e-02 0.000e+00 5.000e-02 1.000e-01 ppbv

GC\_12.0.0 - v11-02f-Run1  
HCFC22 - Diff along 42N for Apr



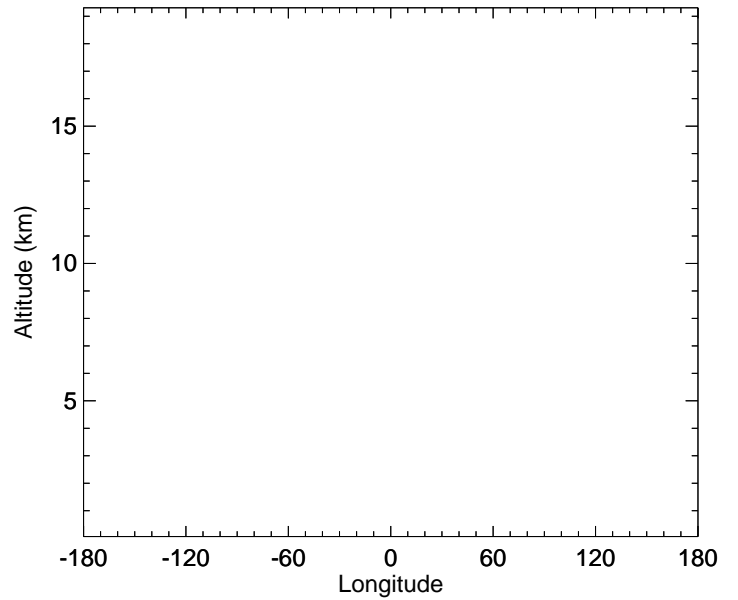
-1.000e-01 5.000e-02 0.000e+00 5.000e-02 1.000e-01 ppbv

GC\_12.0.0 - v11-02e-Run1  
HCFC22 - Diff along 15S for Apr



-1.000e-01 5.000e-02 0.000e+00 5.000e-02 1.000e-01 ppbv

GC\_12.0.0 - v11-02e-Run1  
HCFC22 - Diff along 42N for Apr

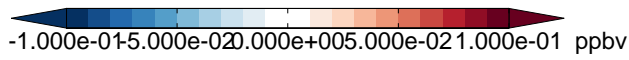


-1.000e-01 5.000e-02 0.000e+00 5.000e-02 1.000e-01 ppbv

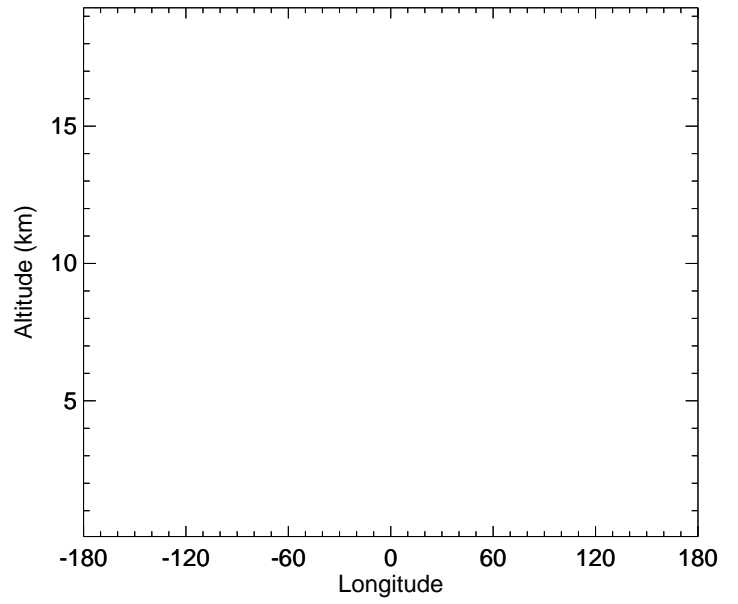


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

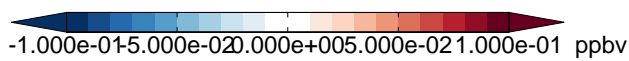
GC\_12.0.0 - v11-02f-Run1  
H1211 - Diff along 15S for Apr



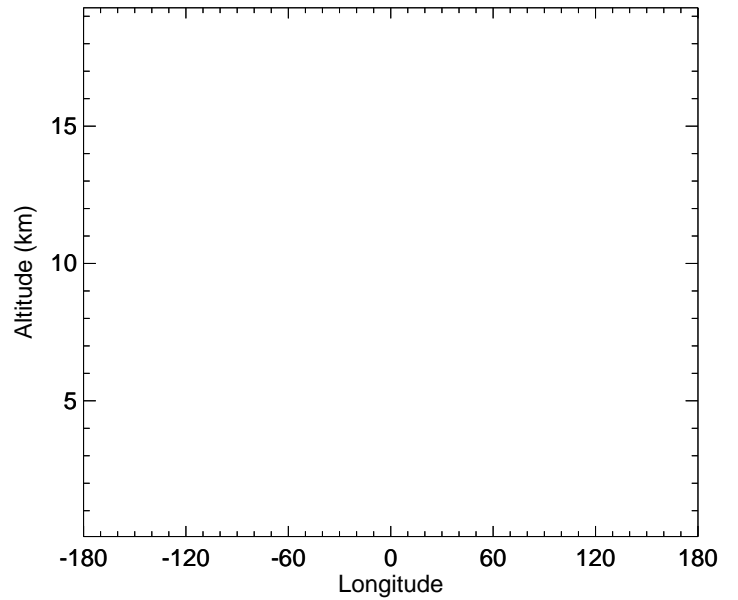
GC\_12.0.0 - v11-02f-Run1  
H1211 - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
H1211 - Diff along 15S for Apr



GC\_12.0.0 - v11-02e-Run1  
H1211 - Diff along 42N for Apr

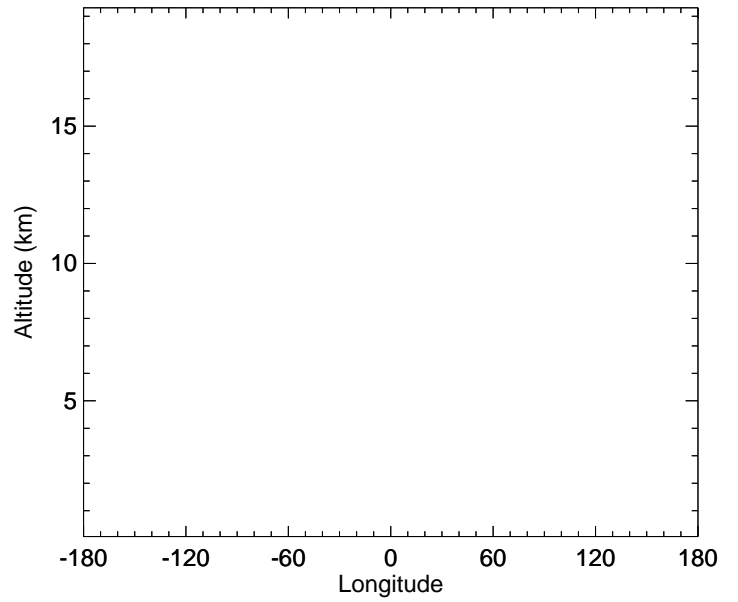


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

GC\_12.0.0 - v11-02f-Run1  
H1301 - Diff along 15S for Apr



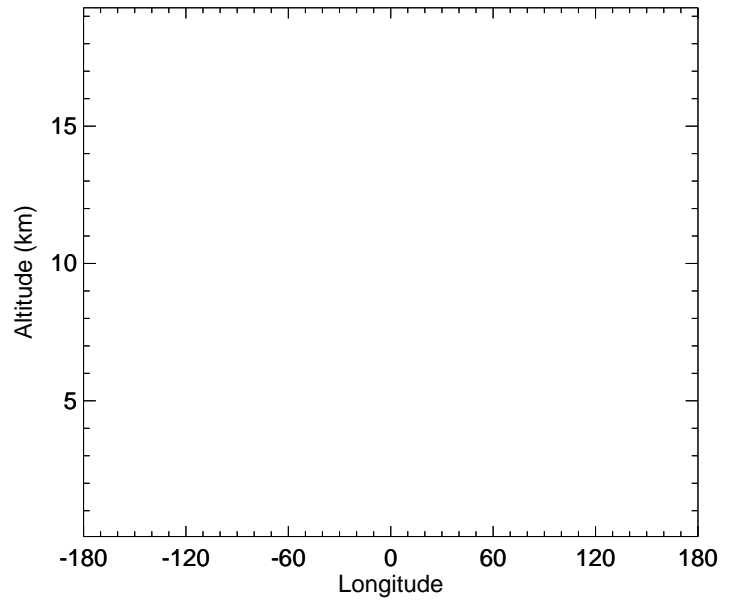
GC\_12.0.0 - v11-02f-Run1  
H1301 - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
H1301 - Diff along 15S for Apr

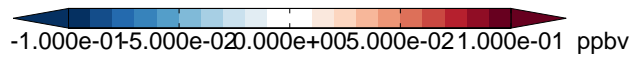


GC\_12.0.0 - v11-02e-Run1  
H1301 - Diff along 42N for Apr

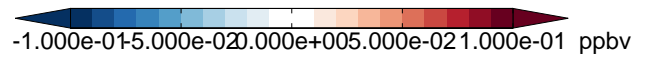
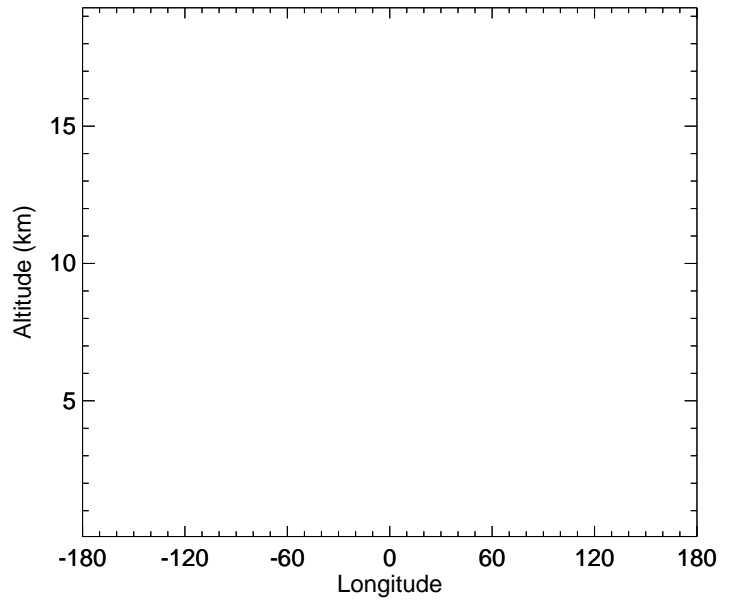


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

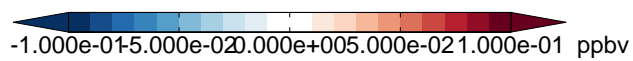
GC\_12.0.0 - v11-02f-Run1  
H2402 - Diff along 15S for Apr



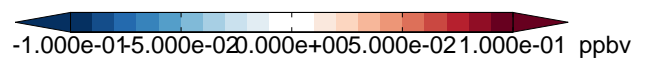
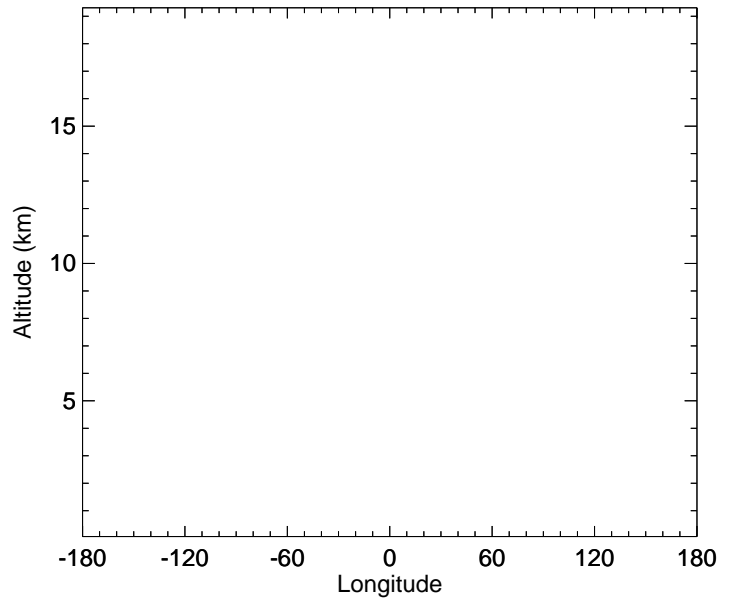
GC\_12.0.0 - v11-02f-Run1  
H2402 - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
H2402 - Diff along 15S for Apr



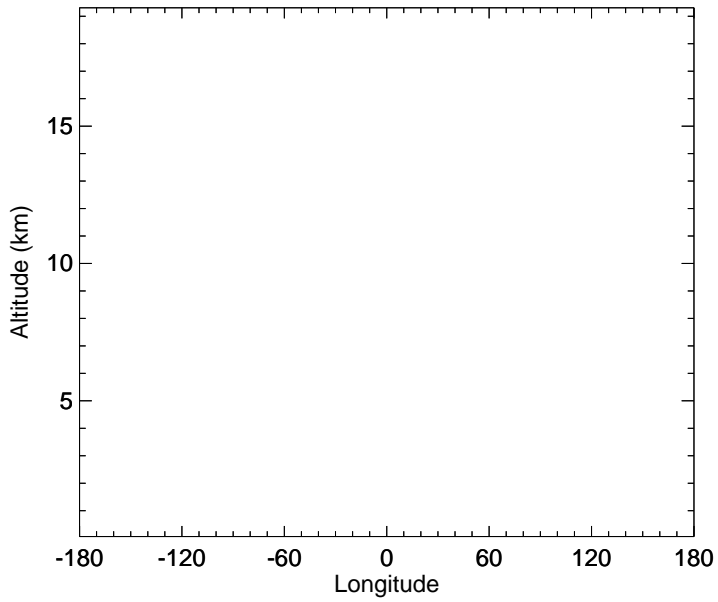
GC\_12.0.0 - v11-02e-Run1  
H2402 - Diff along 42N for Apr



# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

GC\_12.0.0 - v11-02f-Run1

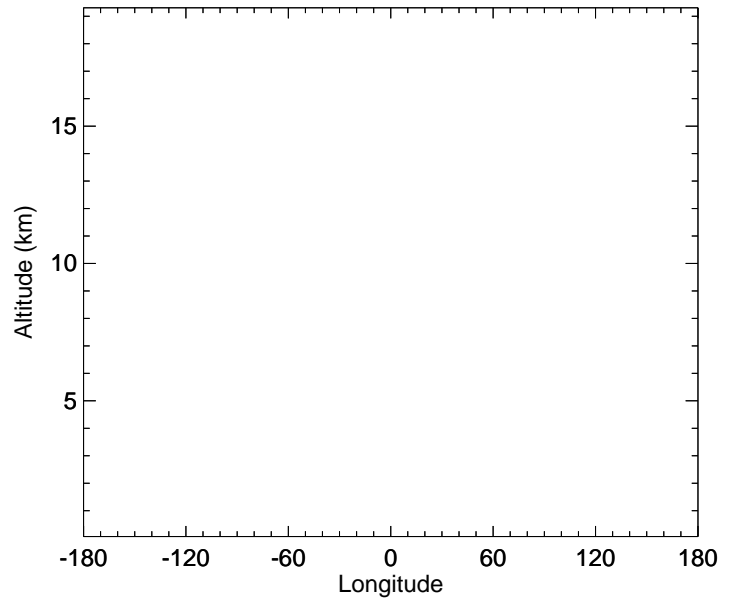
Cl - Diff along 15S for Apr



-1.000e-01 5.000e-02 0.000e+00 5.000e-02 1.000e-01 ppbv

GC\_12.0.0 - v11-02f-Run1

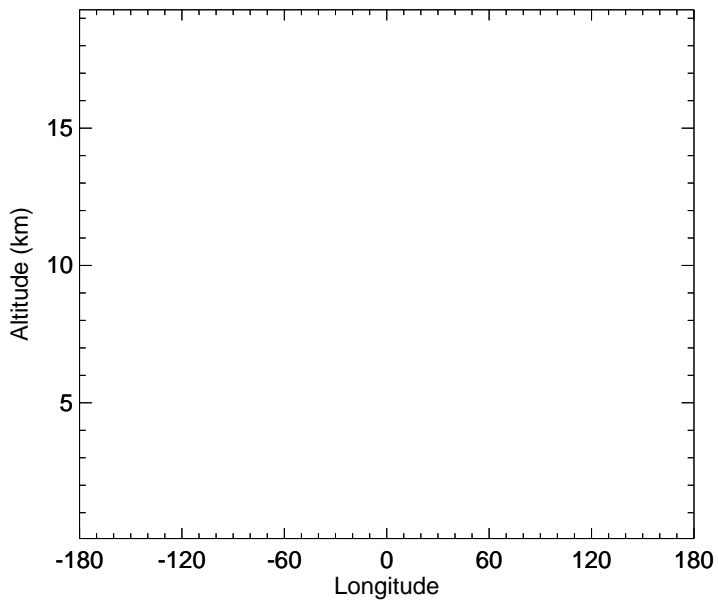
Cl - Diff along 42N for Apr



-1.000e-01 5.000e-02 0.000e+00 5.000e-02 1.000e-01 ppbv

GC\_12.0.0 - v11-02e-Run1

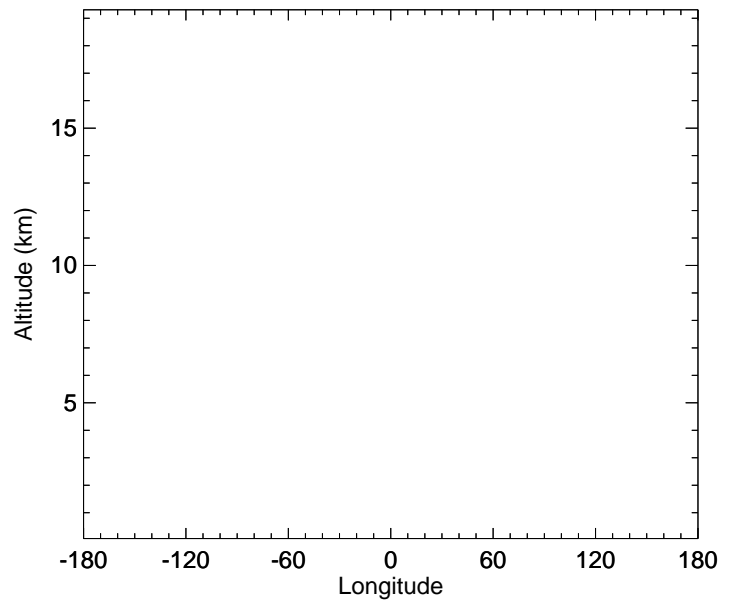
Cl - Diff along 15S for Apr



-1.000e-01 5.000e-02 0.000e+00 5.000e-02 1.000e-01 ppbv

GC\_12.0.0 - v11-02e-Run1

Cl - Diff along 42N for Apr



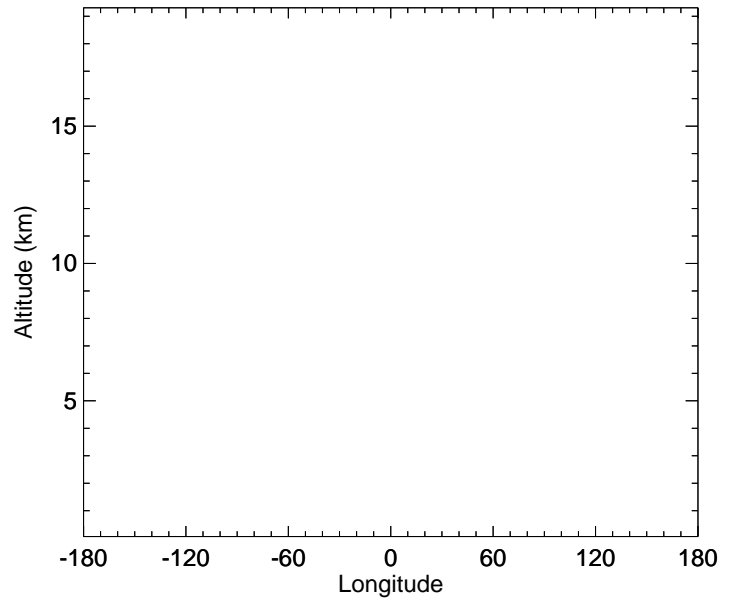
-1.000e-01 5.000e-02 0.000e+00 5.000e-02 1.000e-01 ppbv

# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

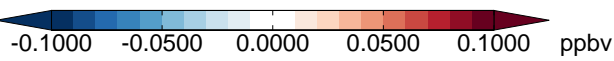
GC\_12.0.0 - v11-02f-Run1  
ClO - Diff along 15S for Apr



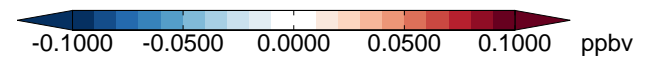
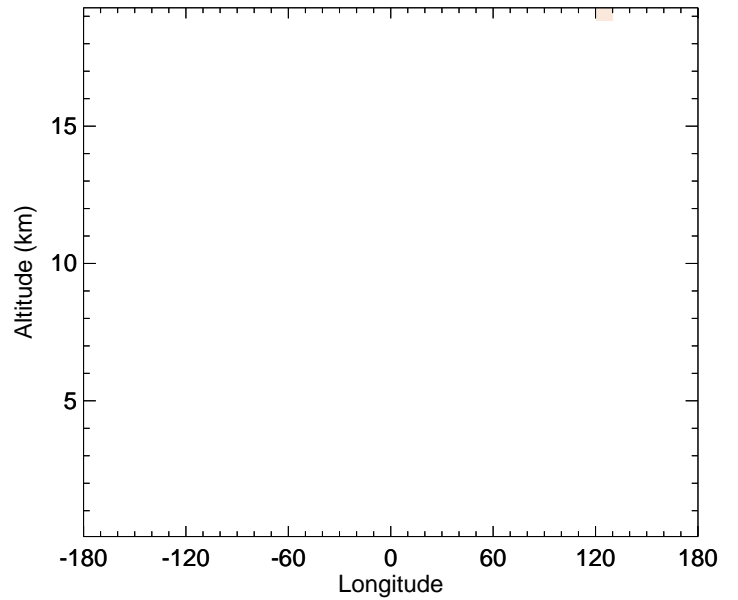
GC\_12.0.0 - v11-02f-Run1  
ClO - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
ClO - Diff along 15S for Apr



GC\_12.0.0 - v11-02e-Run1  
ClO - Diff along 42N for Apr

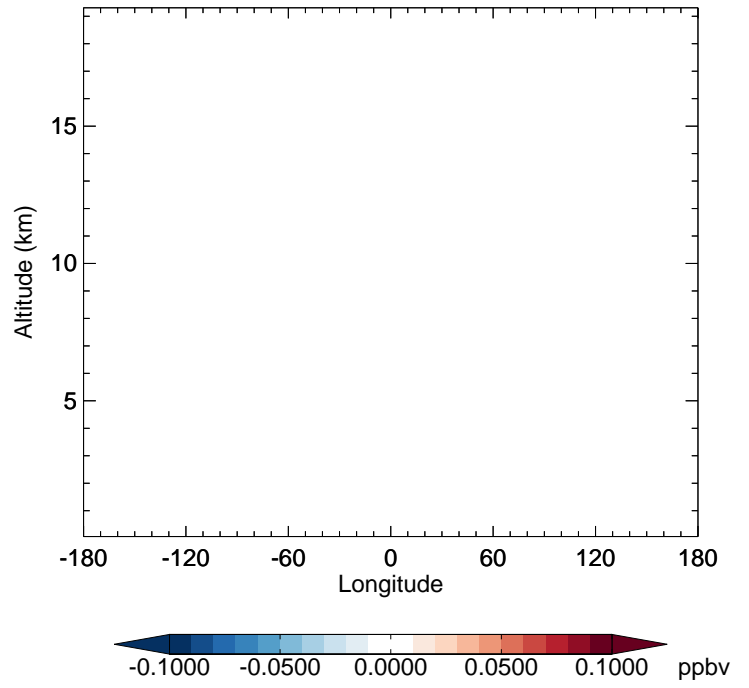


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

GC\_12.0.0 - v11-02f-Run1  
HOCl - Diff along 15S for Apr



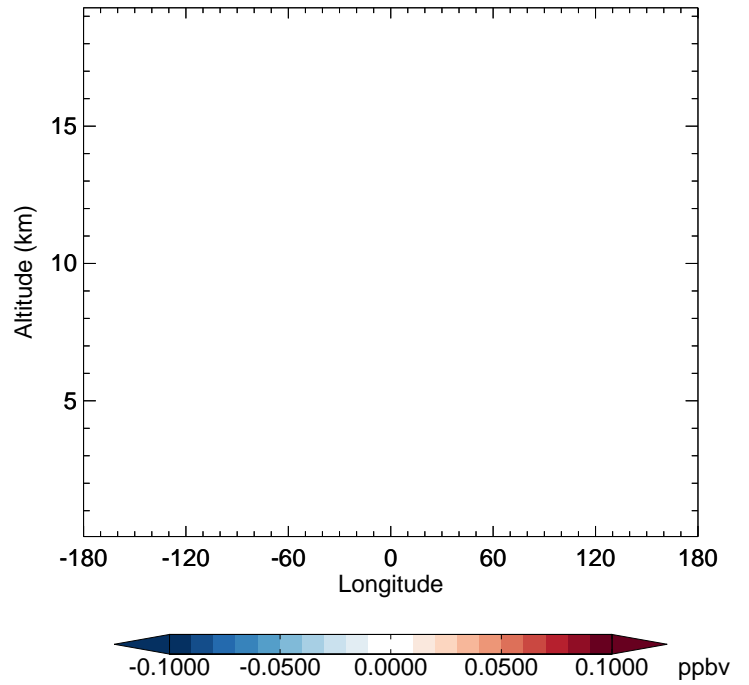
GC\_12.0.0 - v11-02f-Run1  
HOCl - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
HOCl - Diff along 15S for Apr

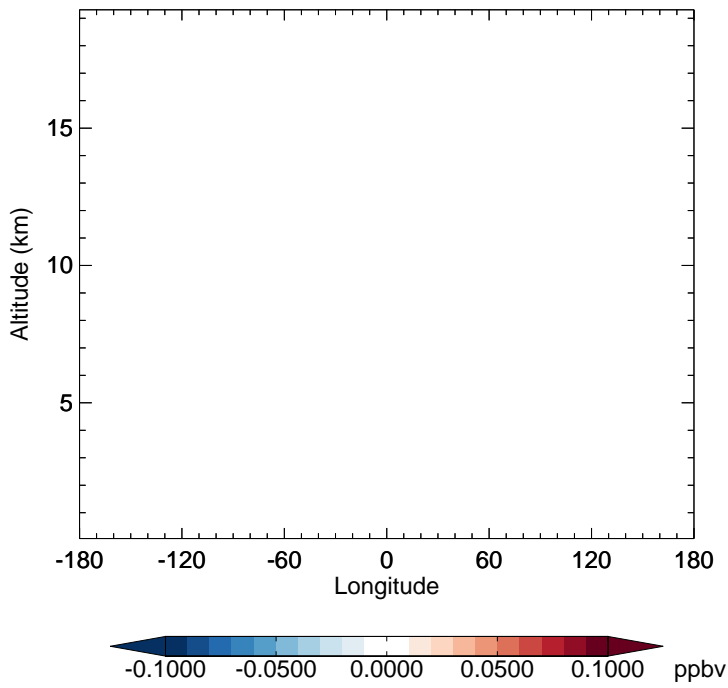


GC\_12.0.0 - v11-02e-Run1  
HOCl - Diff along 42N for Apr

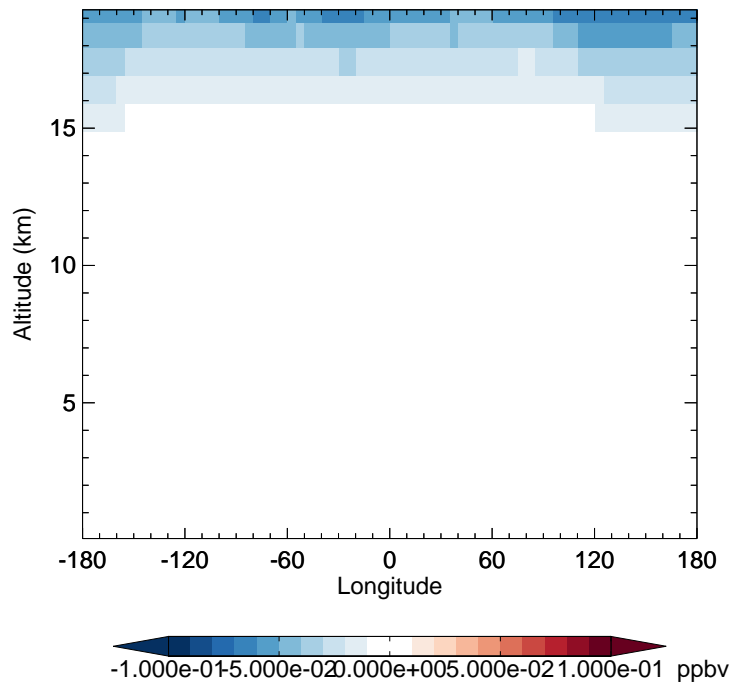


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

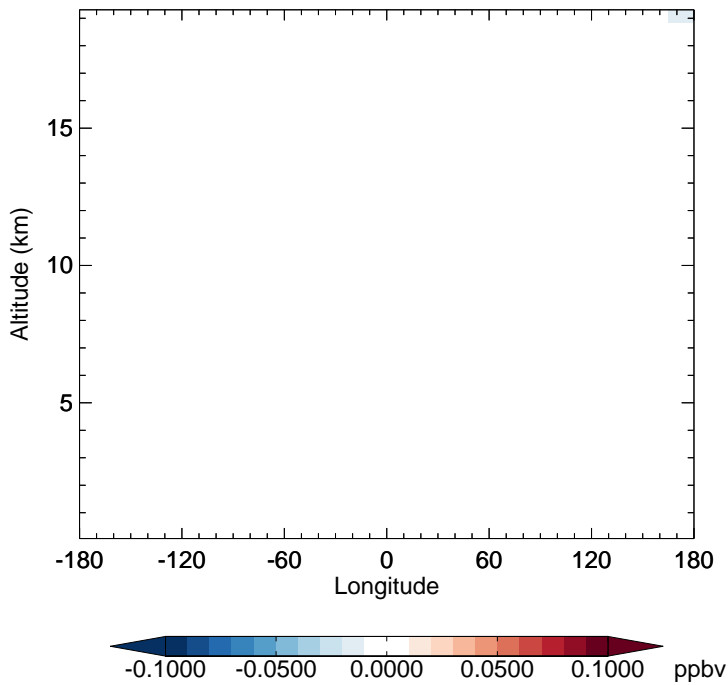
GC\_12.0.0 - v11-02f-Run1  
CINO3 - Diff along 15S for Apr



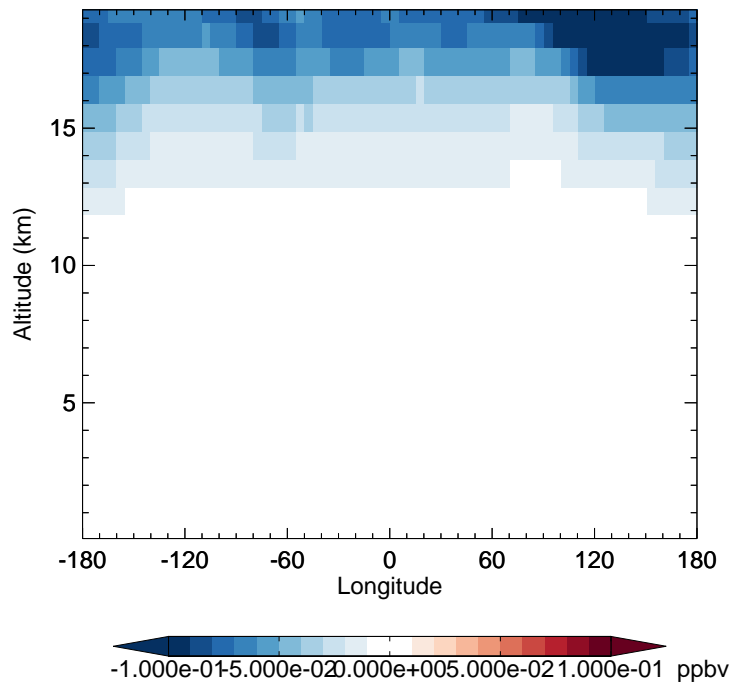
GC\_12.0.0 - v11-02f-Run1  
CINO3 - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
CINO3 - Diff along 15S for Apr



GC\_12.0.0 - v11-02e-Run1  
CINO3 - Diff along 42N for Apr

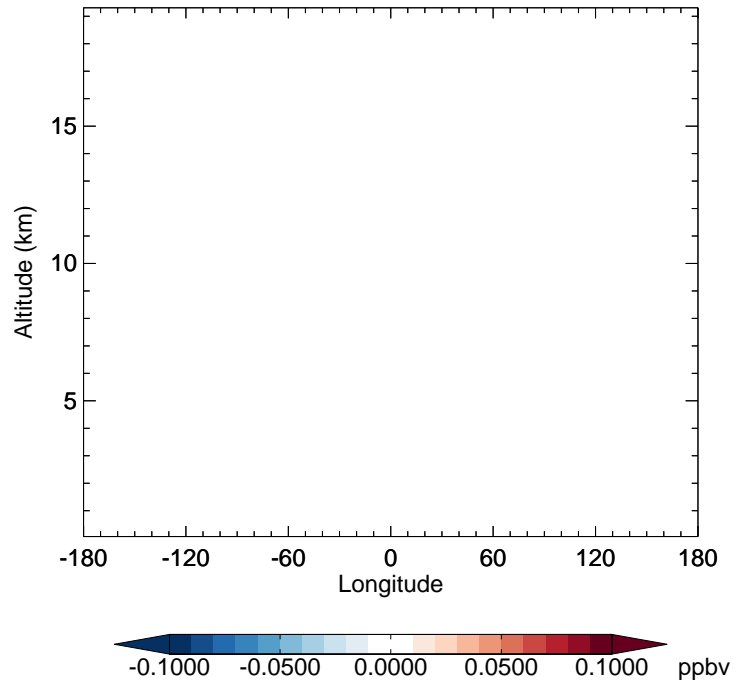


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

GC\_12.0.0 - v11-02f-Run1  
CINO2 - Diff along 15S for Apr



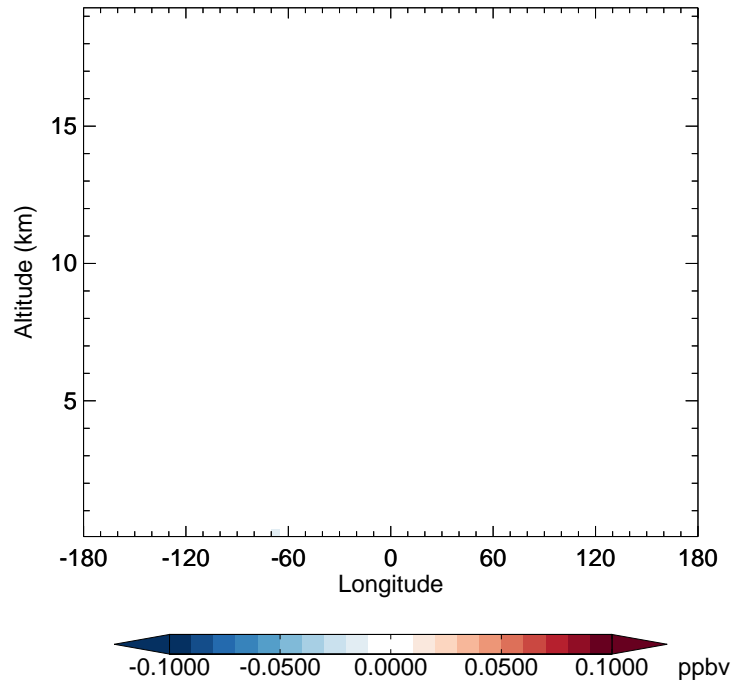
GC\_12.0.0 - v11-02f-Run1  
CINO2 - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
CINO2 - Diff along 15S for Apr



GC\_12.0.0 - v11-02e-Run1  
CINO2 - Diff along 42N for Apr



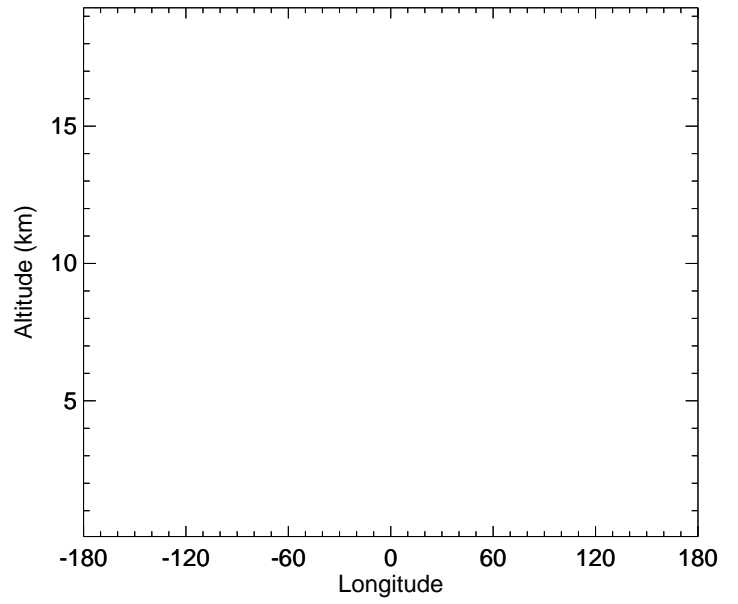


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

GC\_12.0.0 - v11-02f-Run1  
C100 - Diff along 15S for Apr



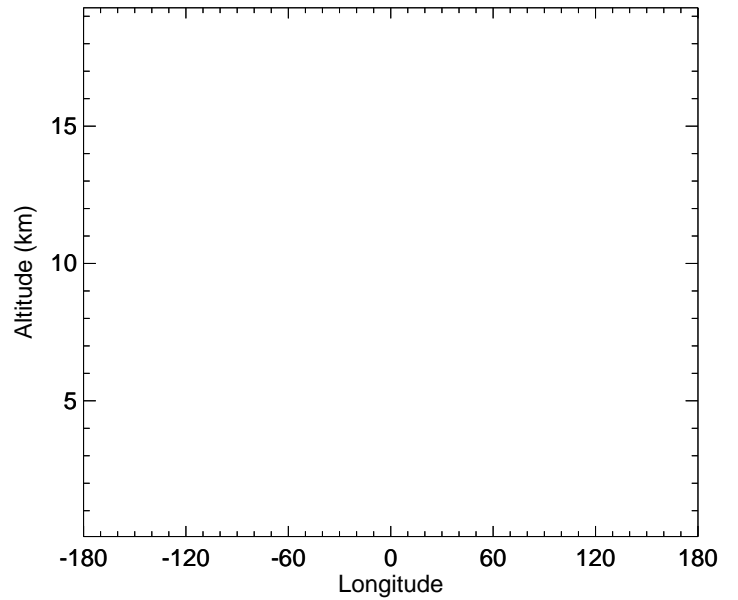
GC\_12.0.0 - v11-02f-Run1  
C100 - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
C100 - Diff along 15S for Apr



GC\_12.0.0 - v11-02e-Run1  
C100 - Diff along 42N for Apr

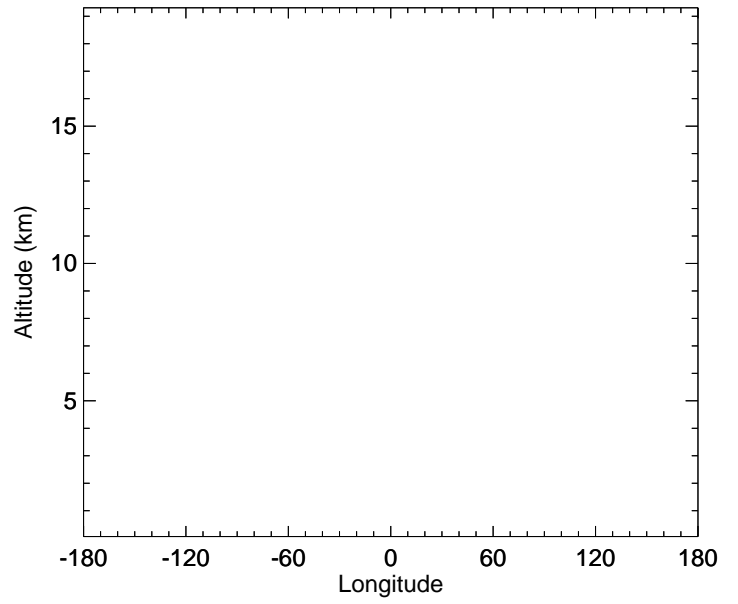


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

GC\_12.0.0 - v11-02f-Run1  
OCIO - Diff along 15S for Apr



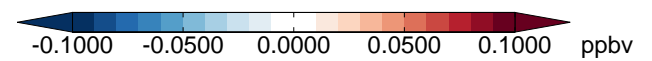
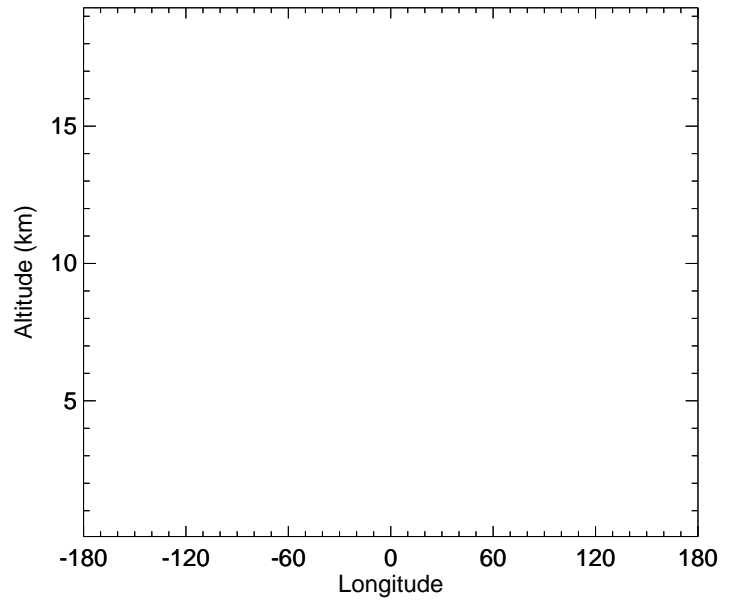
GC\_12.0.0 - v11-02f-Run1  
OCIO - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
OCIO - Diff along 15S for Apr

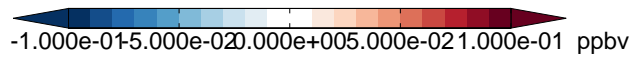


GC\_12.0.0 - v11-02e-Run1  
OCIO - Diff along 42N for Apr

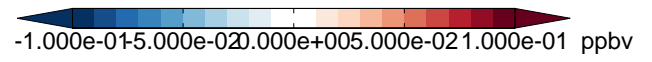
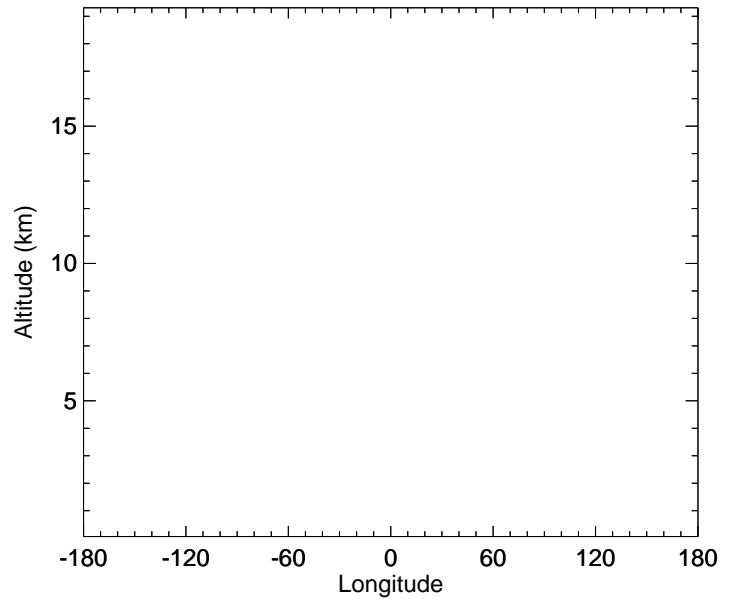


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

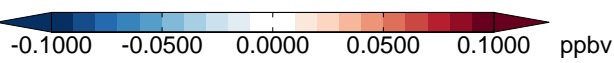
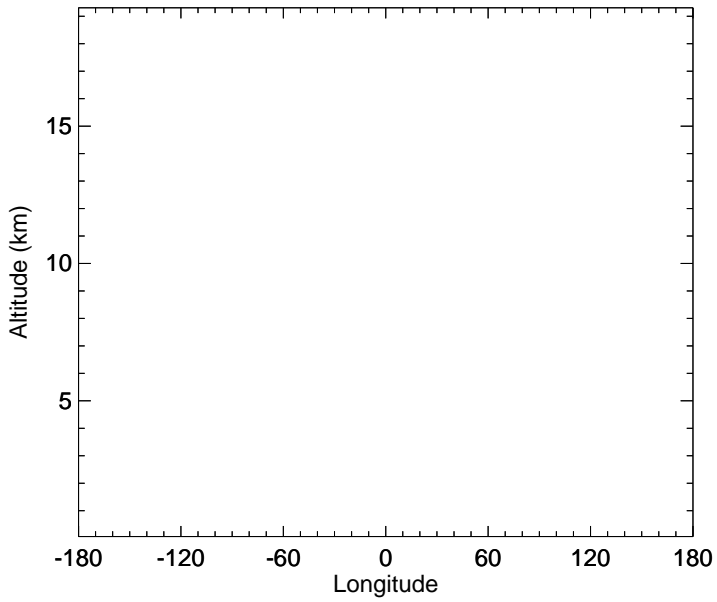
GC\_12.0.0 - v11-02f-Run1  
Cl2 - Diff along 15S for Apr



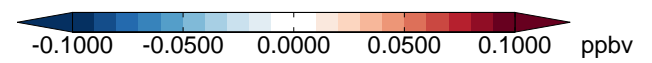
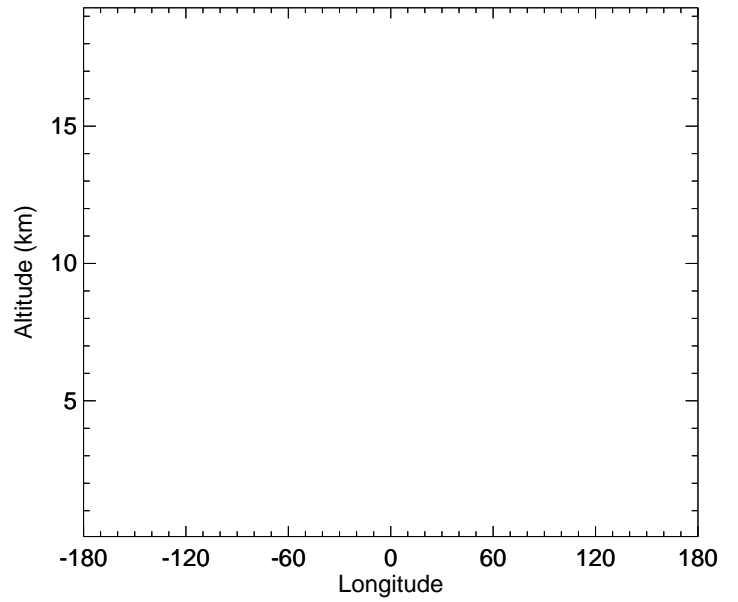
GC\_12.0.0 - v11-02f-Run1  
Cl2 - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
Cl2 - Diff along 15S for Apr



GC\_12.0.0 - v11-02e-Run1  
Cl2 - Diff along 42N for Apr

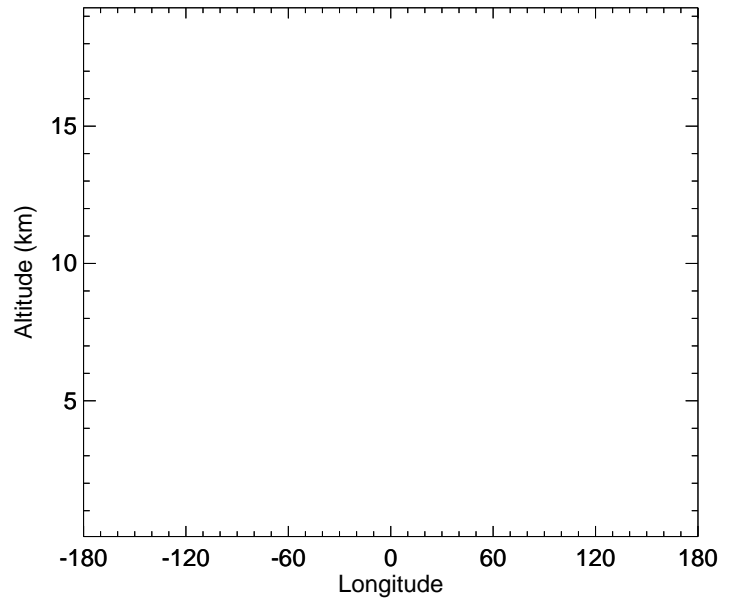


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

GC\_12.0.0 - v11-02f-Run1  
Cl2O2 - Diff along 15S for Apr



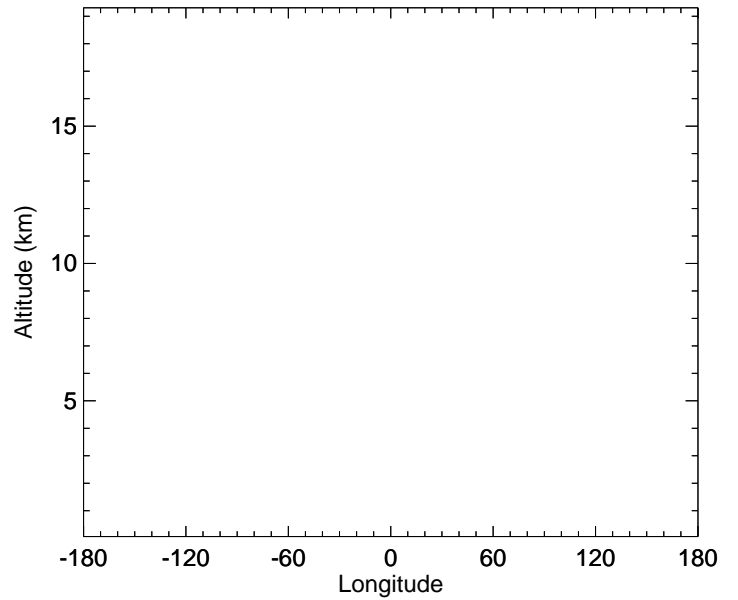
GC\_12.0.0 - v11-02f-Run1  
Cl2O2 - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
Cl2O2 - Diff along 15S for Apr

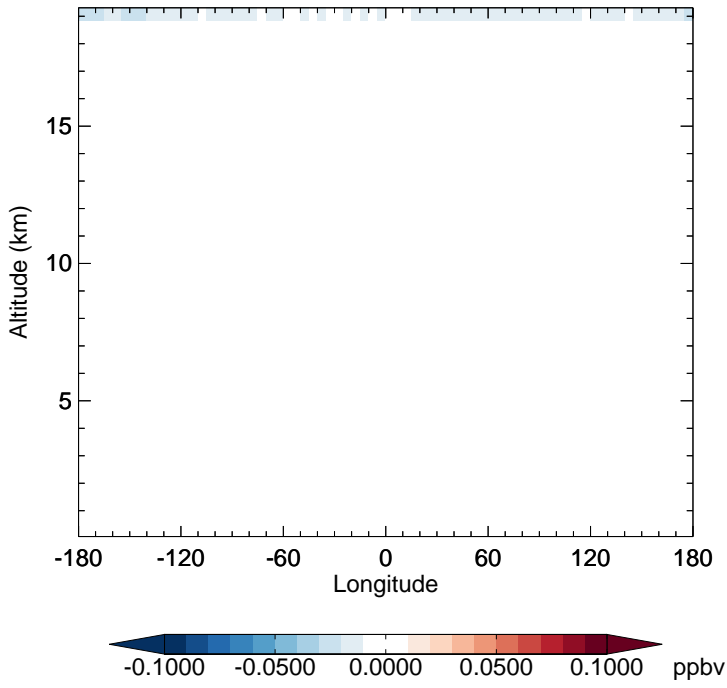


GC\_12.0.0 - v11-02e-Run1  
Cl2O2 - Diff along 42N for Apr

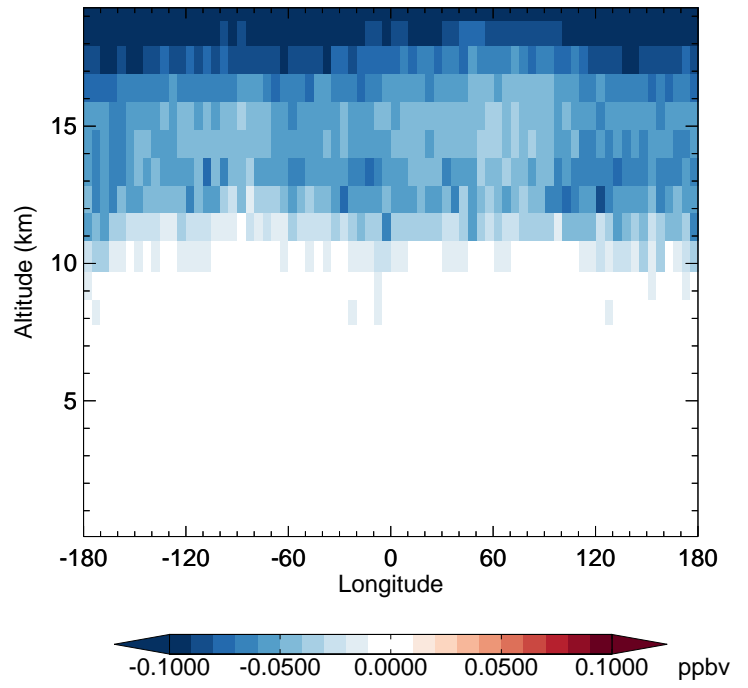


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

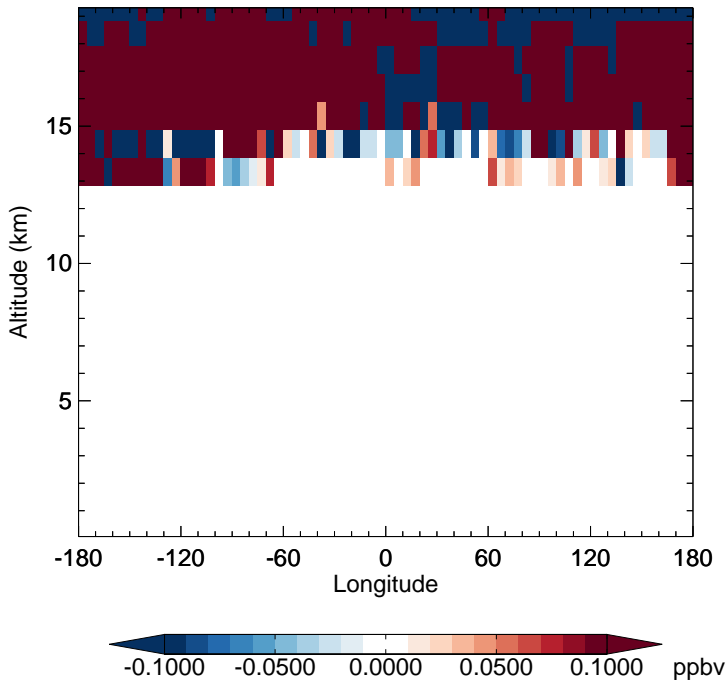
GC\_12.0.0 - v11-02f-Run1  
H2O - Diff along 15S for Apr



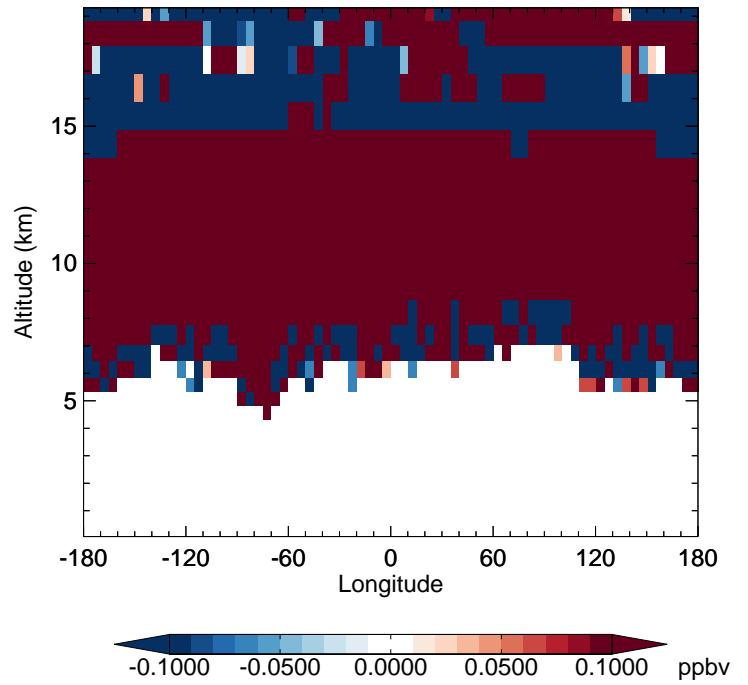
GC\_12.0.0 - v11-02f-Run1  
H2O - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
H2O - Diff along 15S for Apr

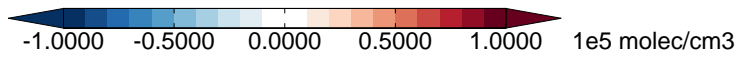
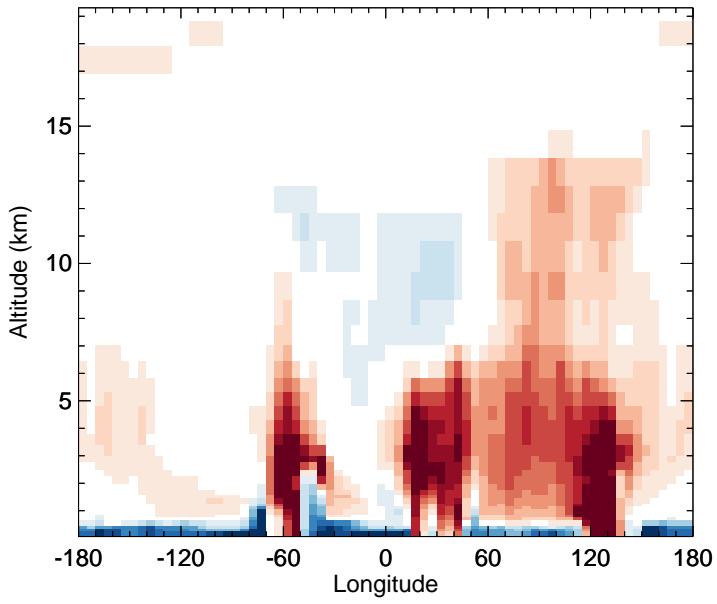


GC\_12.0.0 - v11-02e-Run1  
H2O - Diff along 42N for Apr

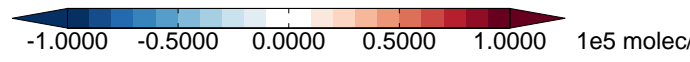
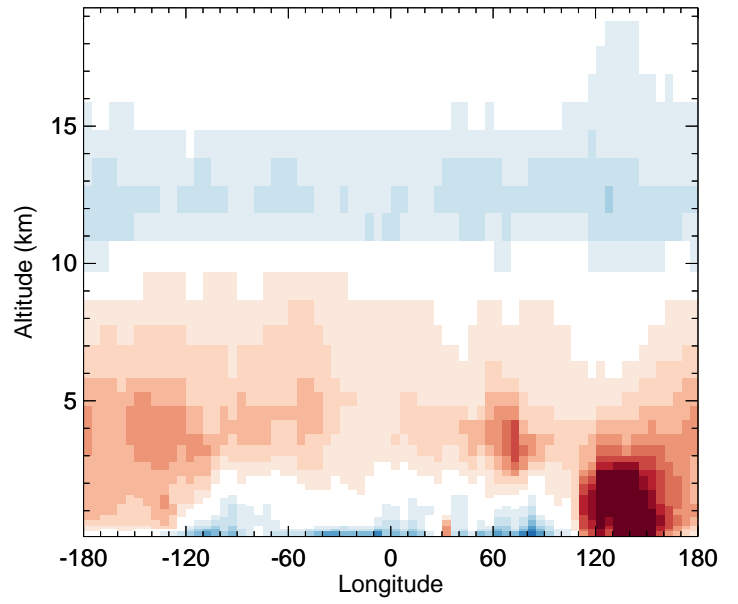


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

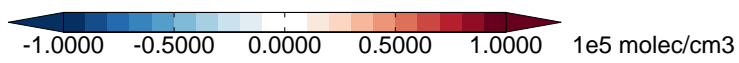
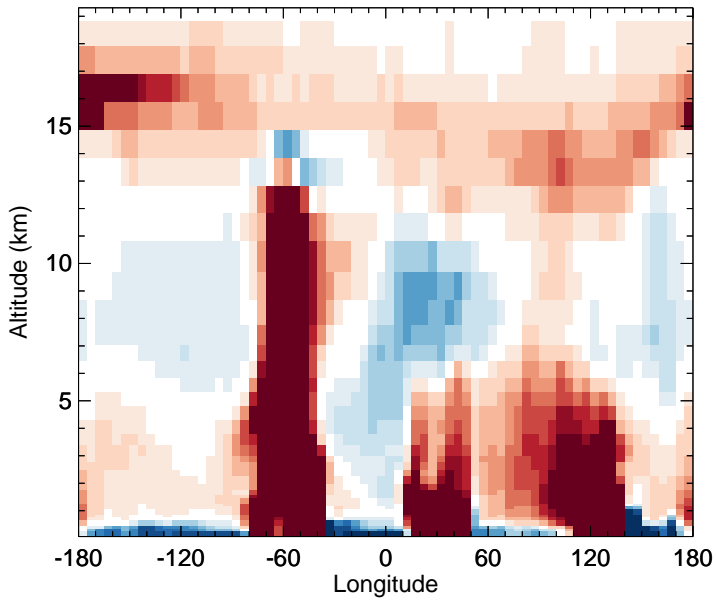
GC\_12.0.0 - v11-02f-Run1  
OH - Diff along 15S for Apr



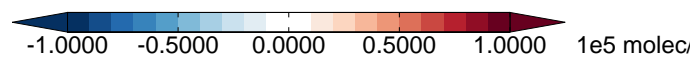
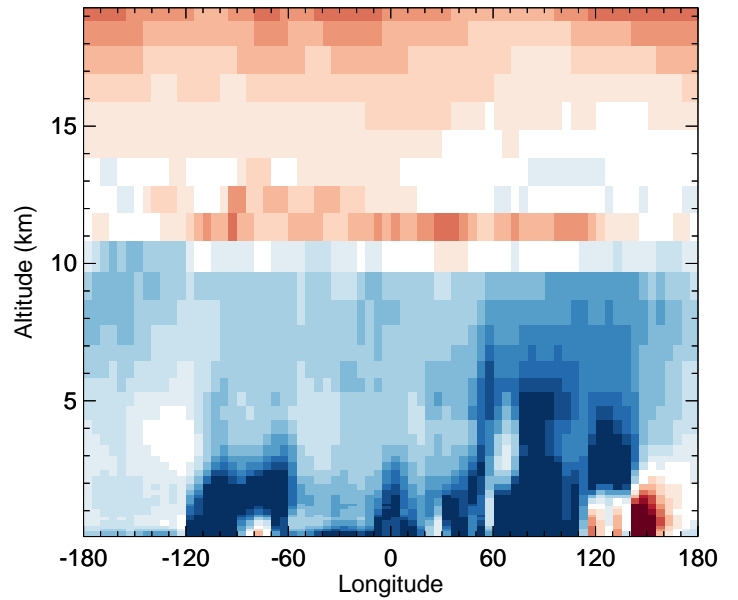
GC\_12.0.0 - v11-02f-Run1  
OH - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
OH - Diff along 15S for Apr

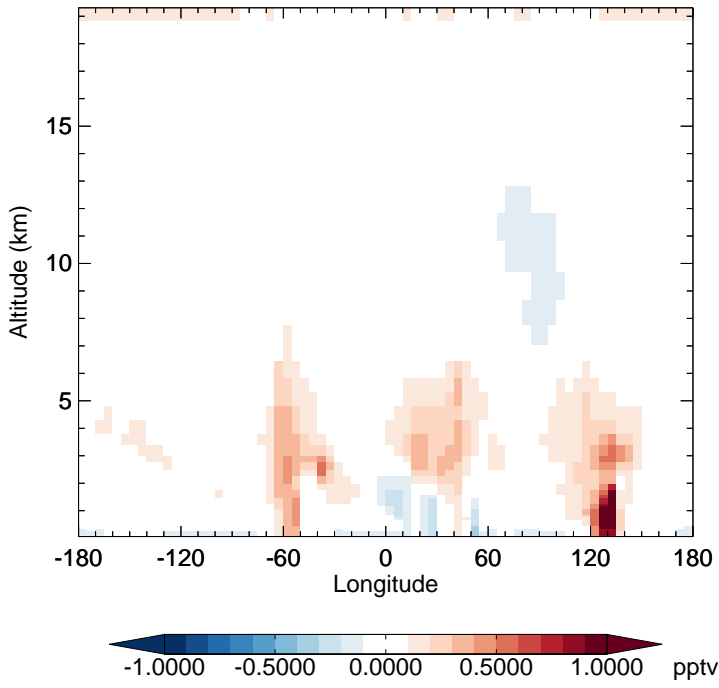


GC\_12.0.0 - v11-02e-Run1  
OH - Diff along 42N for Apr

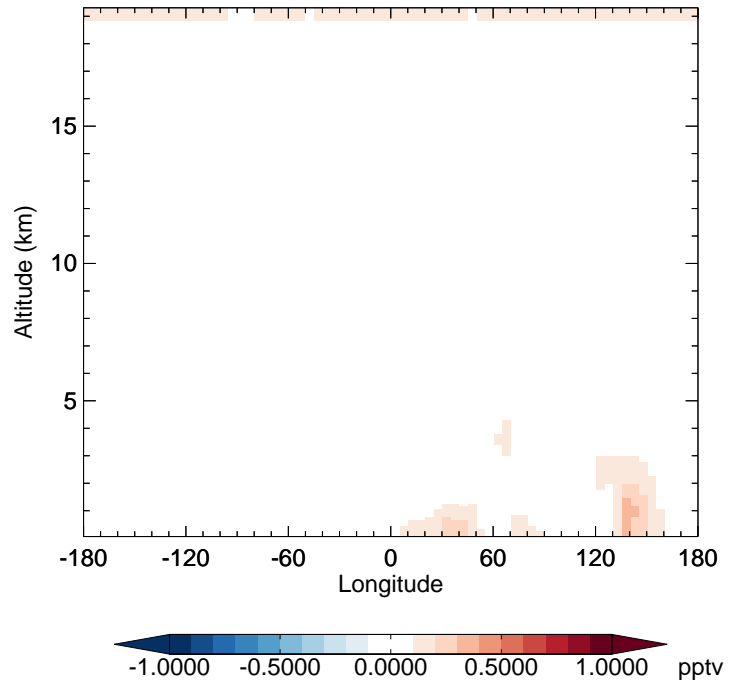


# GEOS-Chem Longitudinal Difference Profiles at 15S and 42N

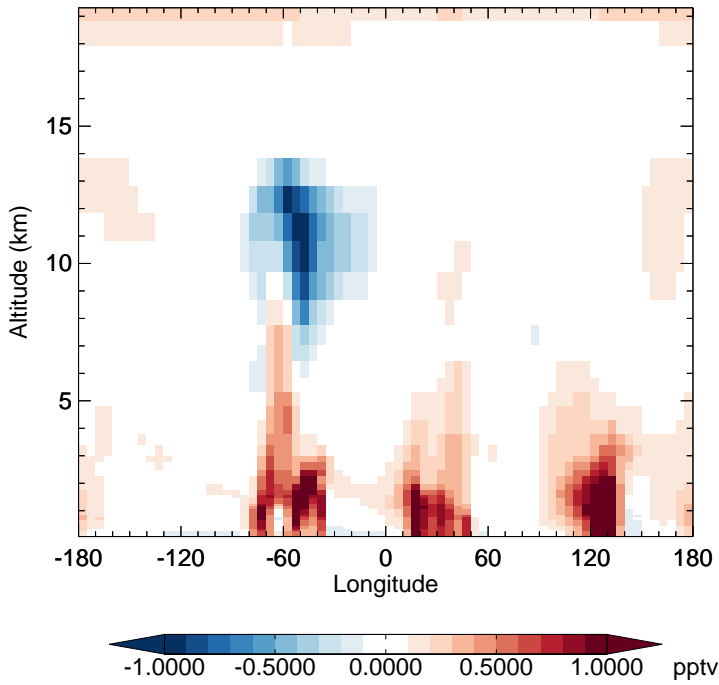
GC\_12.0.0 - v11-02f-Run1  
HO2 - Diff along 15S for Apr



GC\_12.0.0 - v11-02f-Run1  
HO2 - Diff along 42N for Apr



GC\_12.0.0 - v11-02e-Run1  
HO2 - Diff along 15S for Apr



GC\_12.0.0 - v11-02e-Run1  
HO2 - Diff along 42N for Apr

