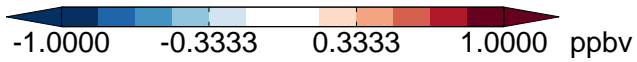


GEOS-Chem Stratospheric Zonal Difference Maps

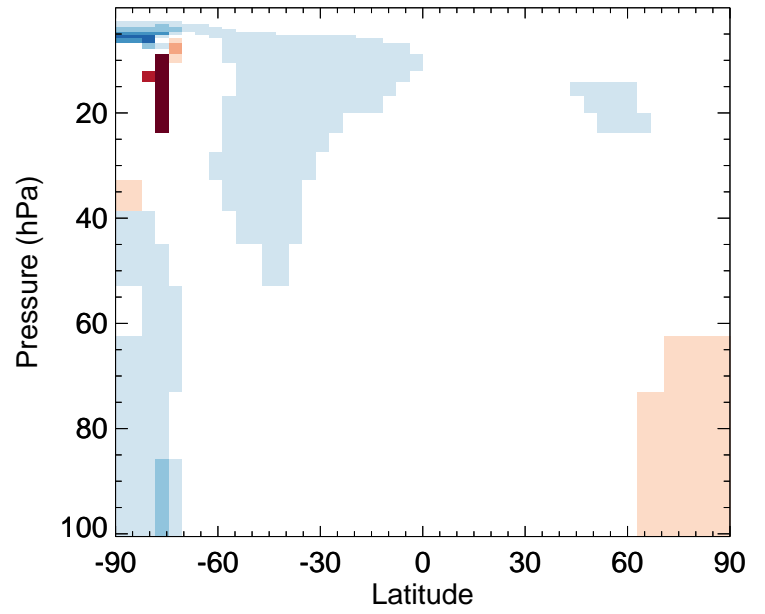
GC\_12.0.0 - v11-02f-Run1

NO - Strat zonal mean abs diff for Jul



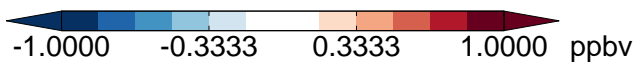
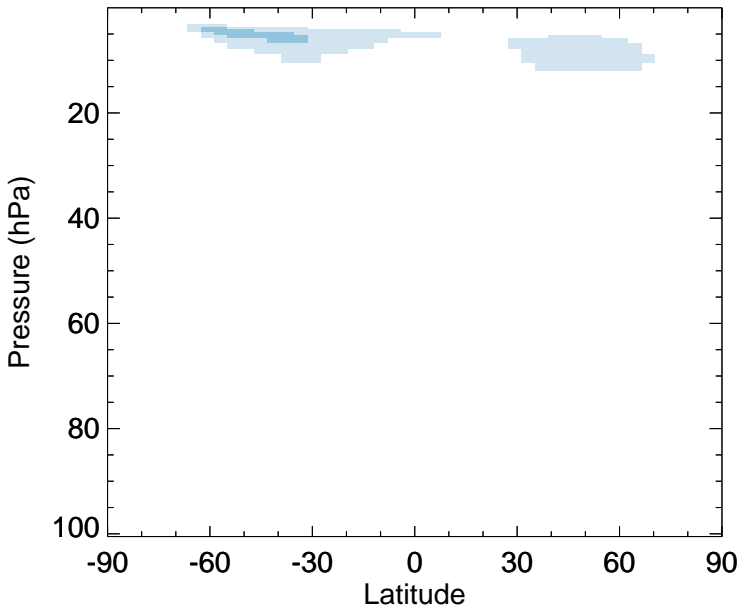
GC\_12.0.0 / v11-02f-Run1

NO - Strat zonal mean % diff for Jul



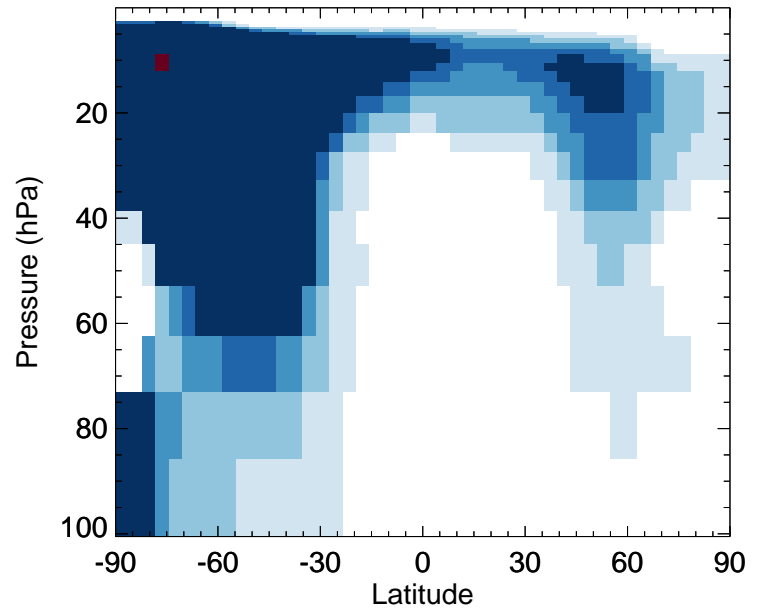
GC\_12.0.0 - v11-02e-Run1

NO - Strat zonal mean abs diff for Jul



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

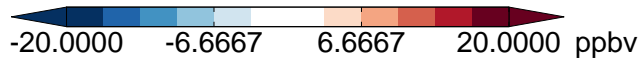
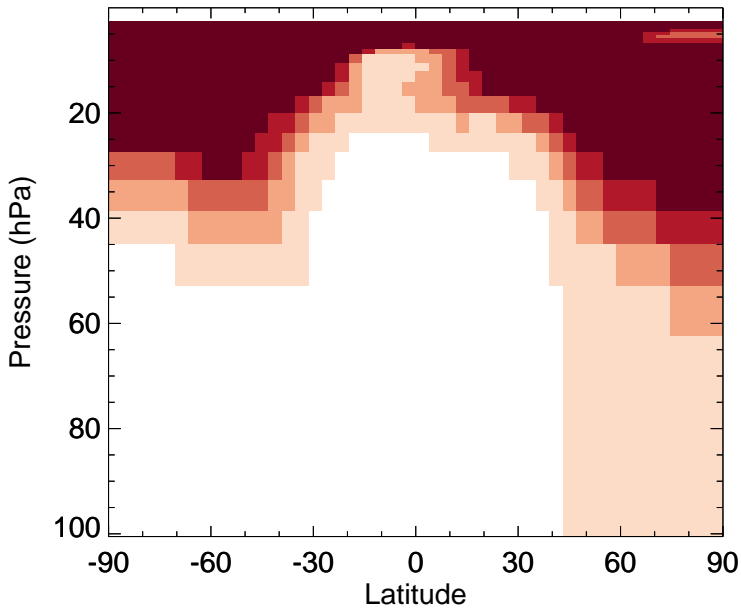
NO - Strat zonal mean % diff for Jul



# GEOS-Chem Stratospheric Zonal Difference Maps

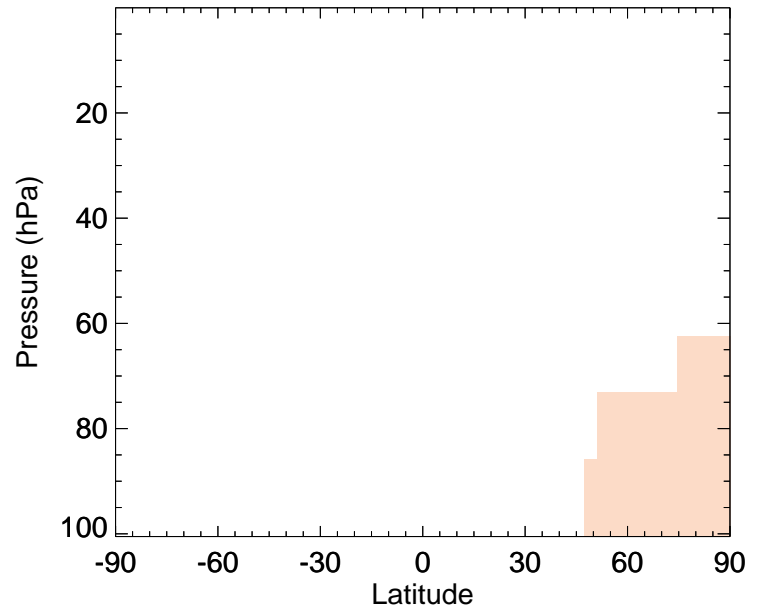
## GC\_12.0.0 - v11-02f-Run1

O3 - Strat zonal mean abs diff for Jul



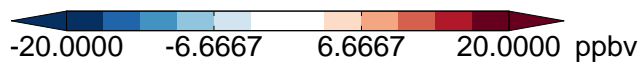
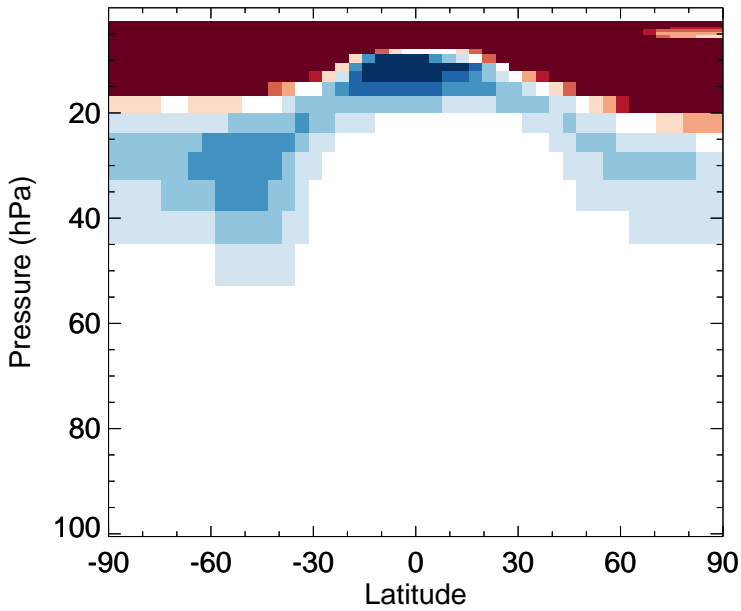
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O3 - Strat zonal mean % diff for Jul



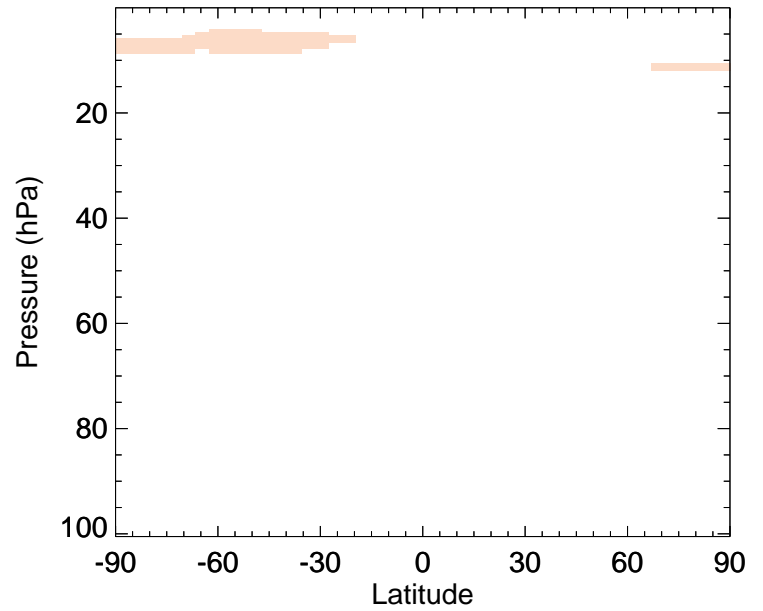
## GC\_12.0.0 - v11-02e-Run1

O3 - Strat zonal mean abs diff for Jul



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

O3 - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

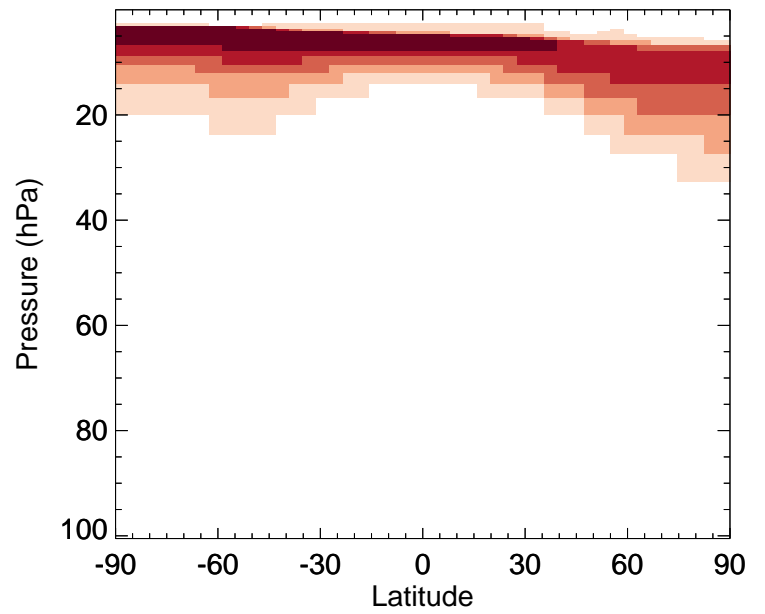
GC\_12.0.0 - v11-02f-Run1

PAN - Strat zonal mean abs diff for Jul



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

PAN - Strat zonal mean % diff for Jul



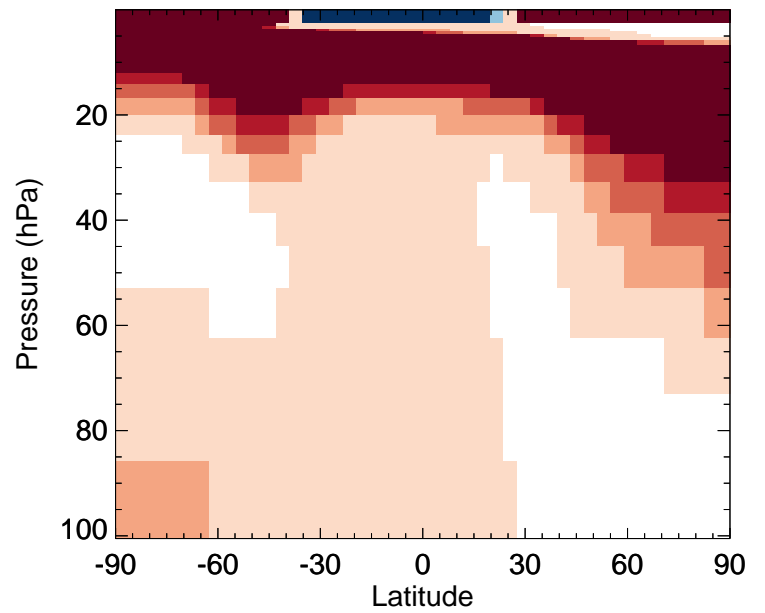
GC\_12.0.0 - v11-02e-Run1

PAN - Strat zonal mean abs diff for Jul



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

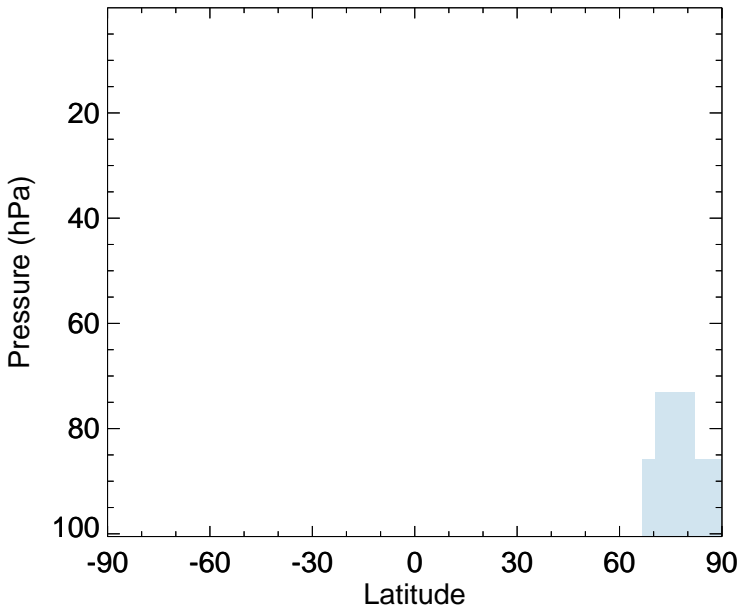
PAN - Strat zonal mean % diff for Jul



# GEOS-Chem Stratospheric Zonal Difference Maps

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

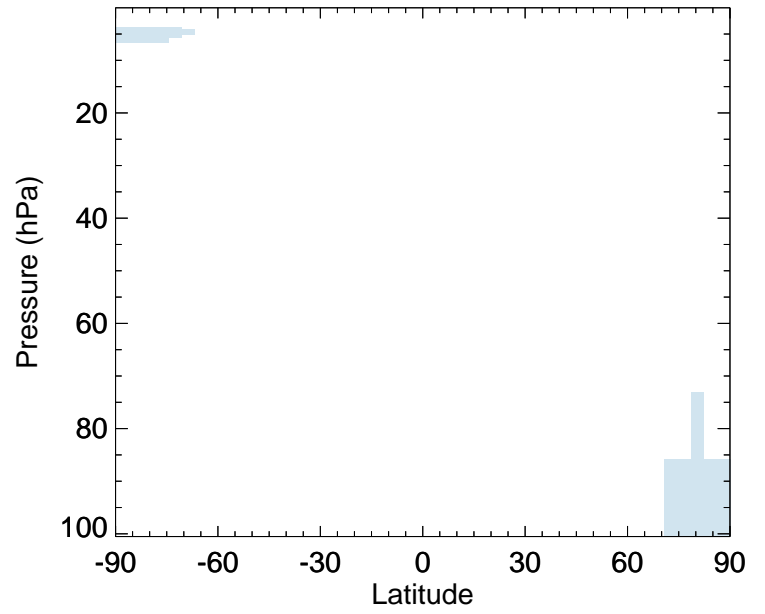
CO - Strat zonal mean abs diff for Jul



-20.0000 -6.6667 6.6667 20.0000 ppbv

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

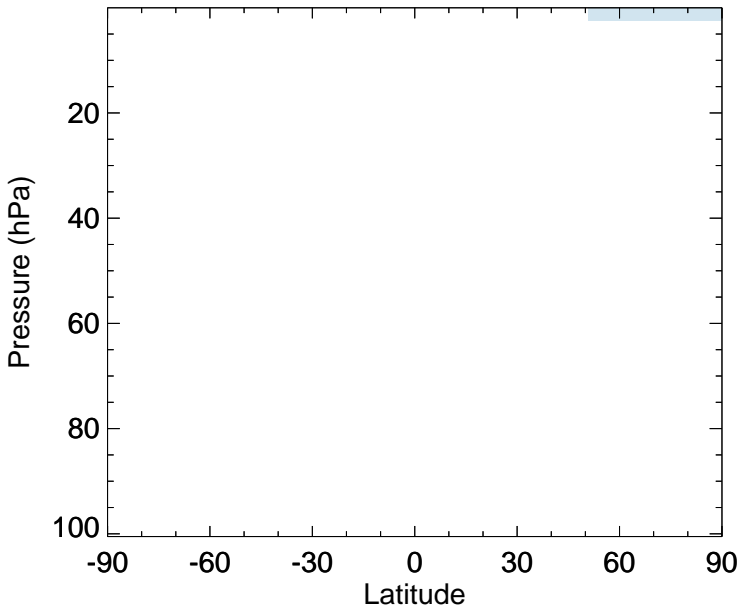
CO - Strat zonal mean % diff for Jul



-30.0000 -10.0000 10.0000 30.0000 %

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

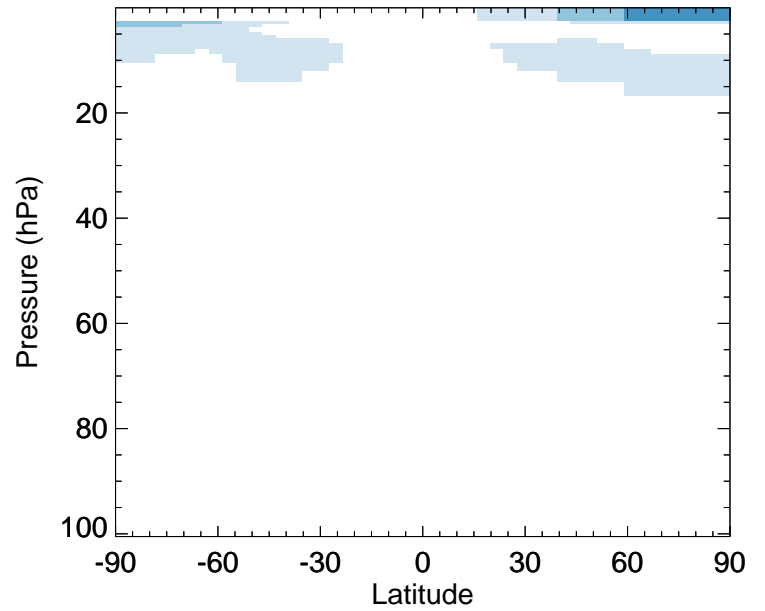
CO - Strat zonal mean abs diff for Jul



-20.0000 -6.6667 6.6667 20.0000 ppbv

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

CO - Strat zonal mean % diff for Jul

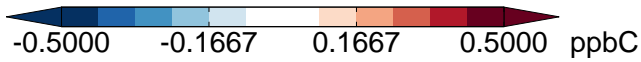
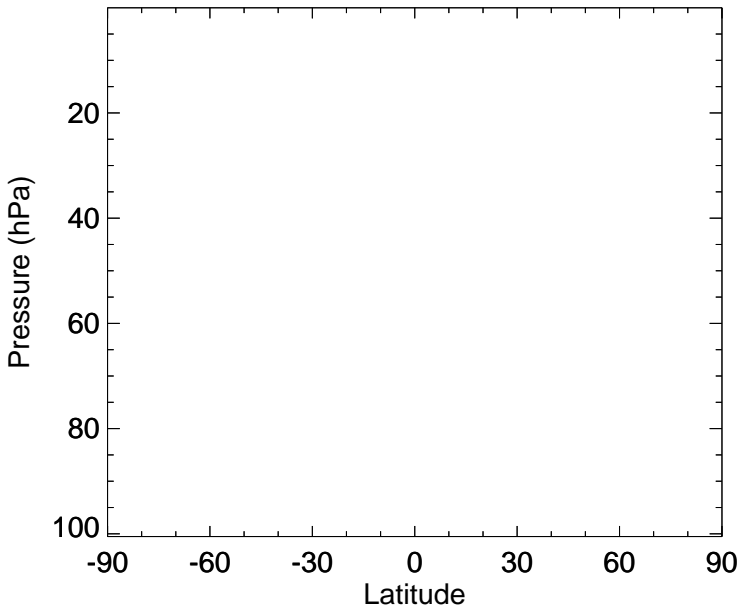


-30.0000 -10.0000 10.0000 30.0000 %

# GEOS-Chem Stratospheric Zonal Difference Maps

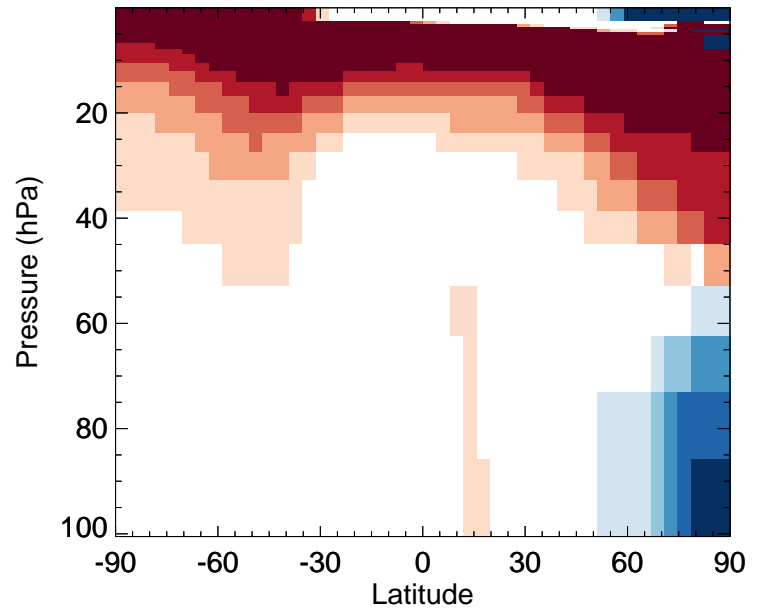
## GC\_12.0.0 - v11-02f-Run1

ALK4 - Strat zonal mean abs diff for Jul



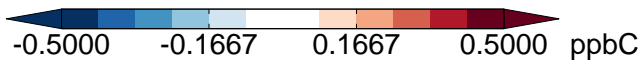
## GC\_12.0.0 / v11-02f-Run1

ALK4 - Strat zonal mean % diff for Jul



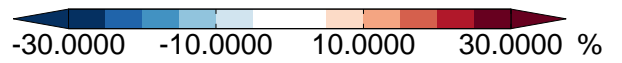
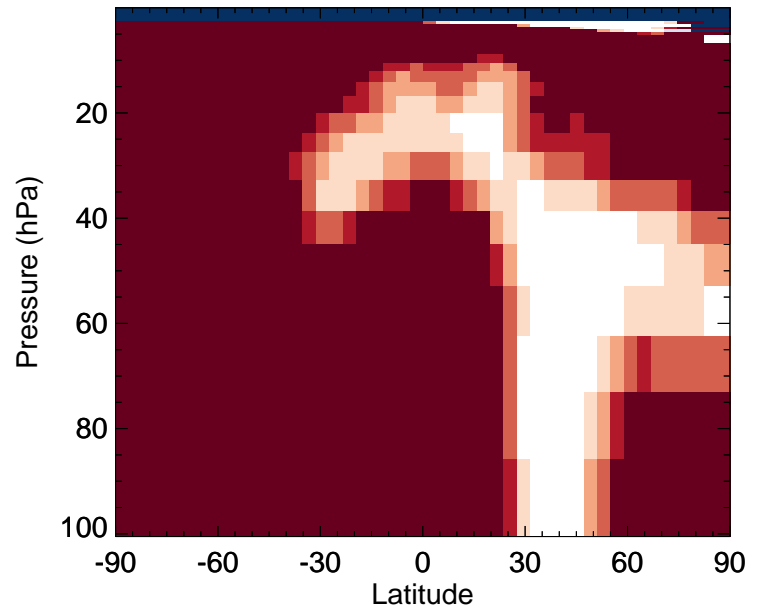
## GC\_12.0.0 - v11-02e-Run1

ALK4 - Strat zonal mean abs diff for Jul



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

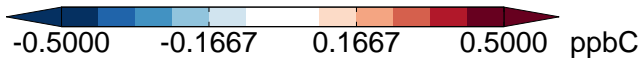
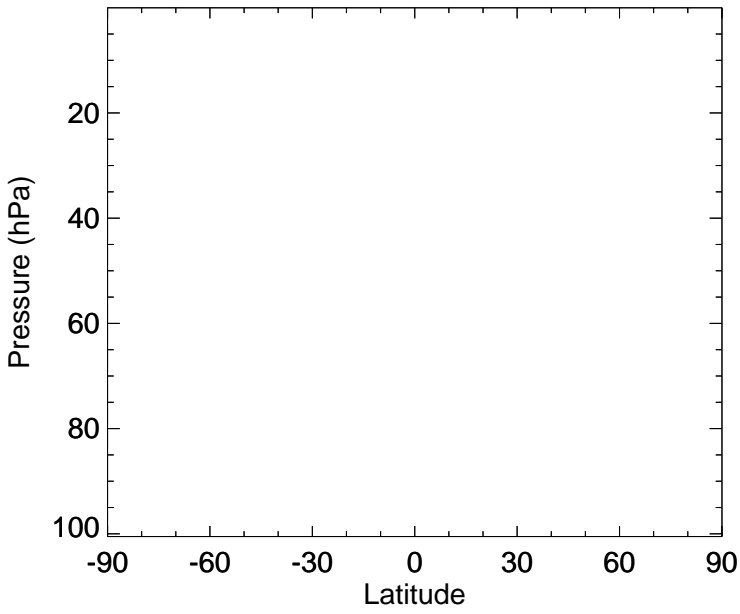
ALK4 - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

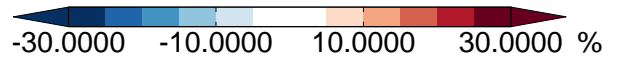
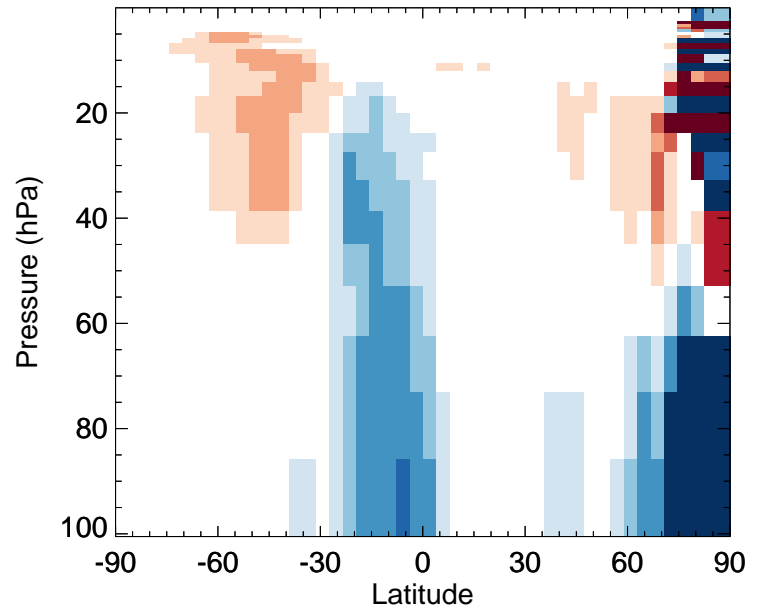
GC\_12.0.0 - v11-02f-Run1

ISOP - Strat zonal mean abs diff for Jul



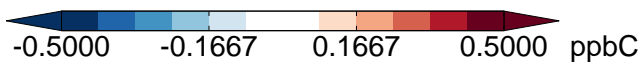
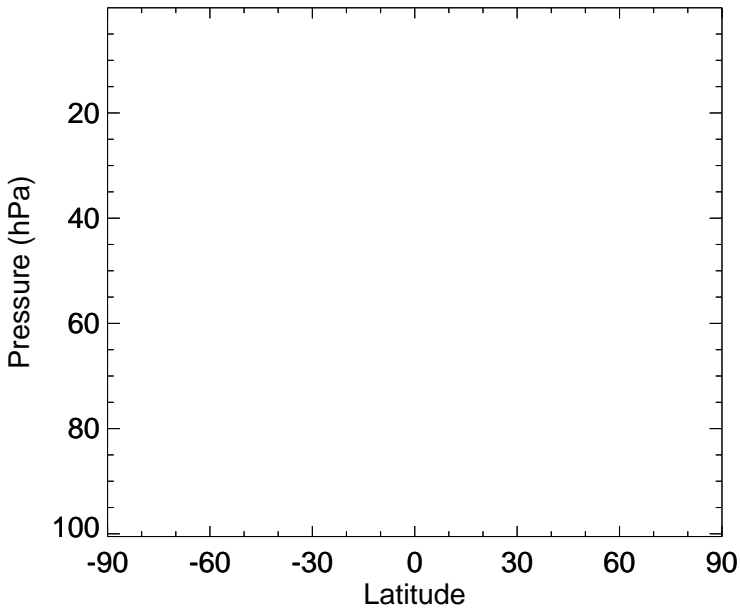
GC\_12.0.0 / v11-02f-Run1

ISOP - Strat zonal mean % diff for Jul



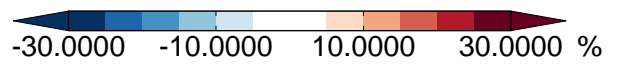
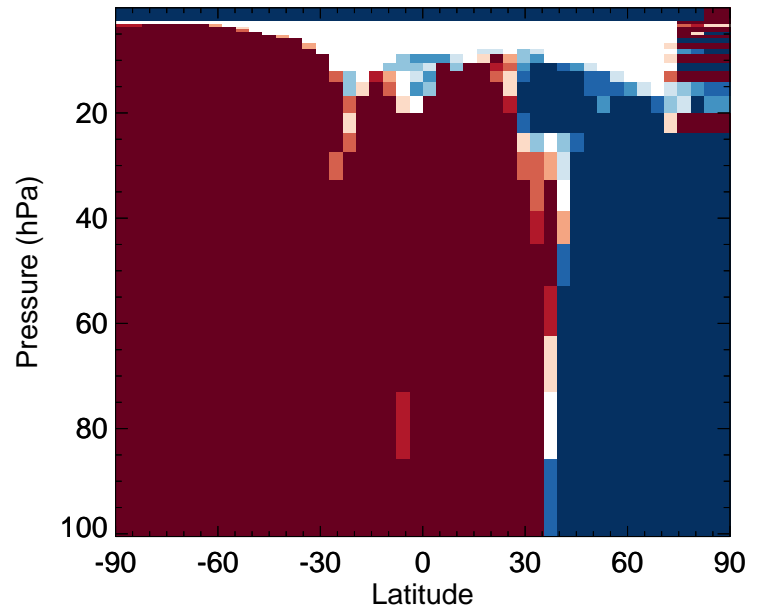
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ISOP - Strat zonal mean abs diff for Jul



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

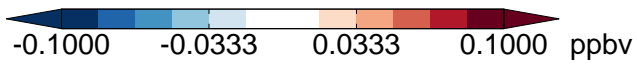
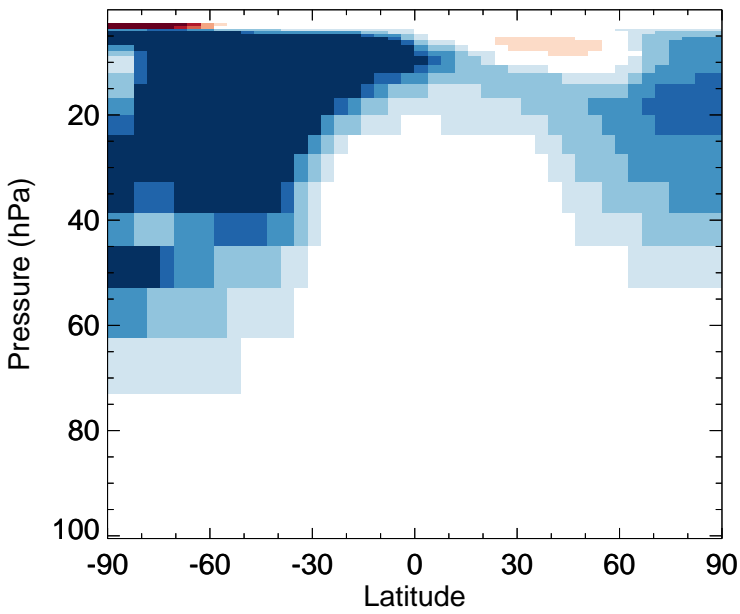
ISOP - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

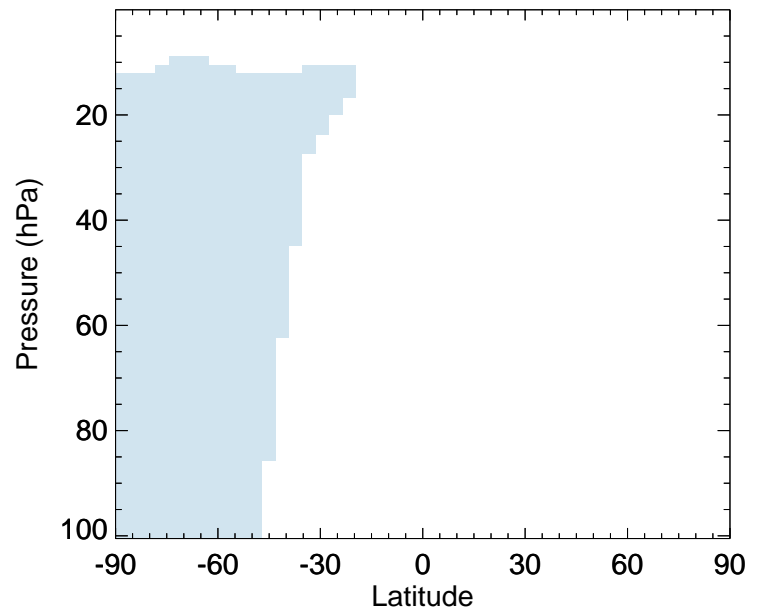
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HNO<sub>3</sub> - Strat zonal mean abs diff for Jul



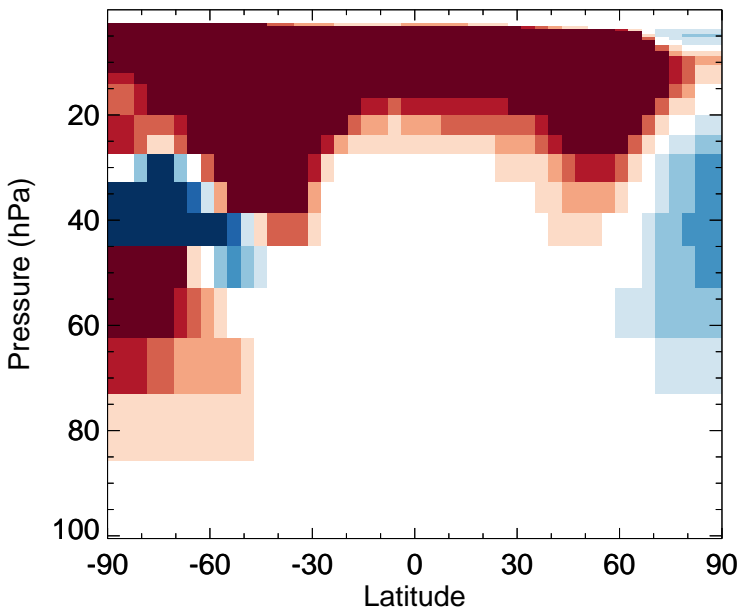
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HNO<sub>3</sub> - Strat zonal mean % diff for Jul



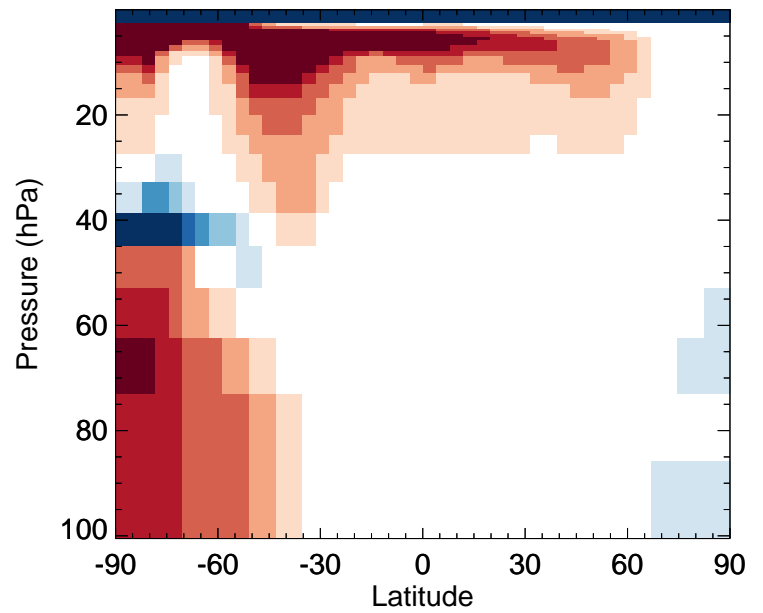
GC\_12.0.0 - v11-02e-Run1

HNO<sub>3</sub> - Strat zonal mean abs diff for Jul



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

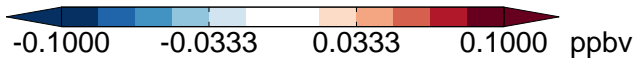
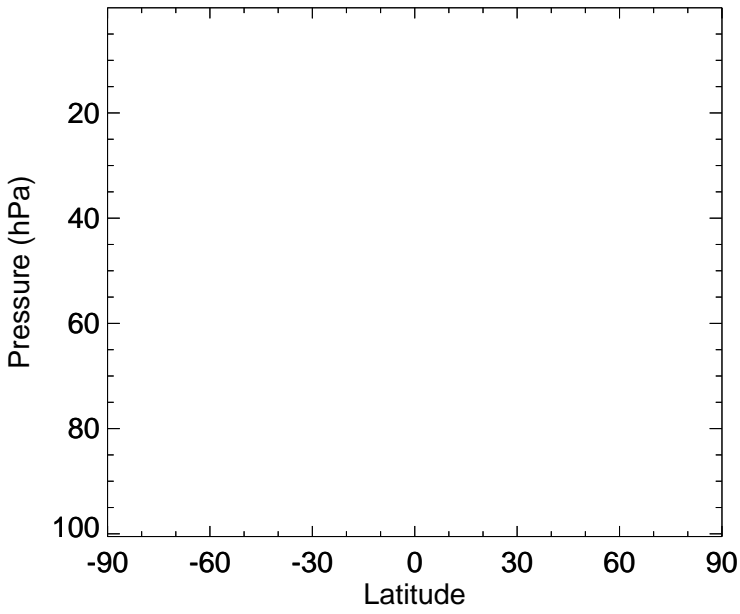
HNO<sub>3</sub> - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

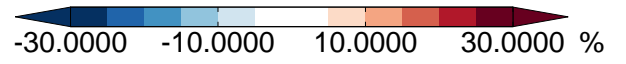
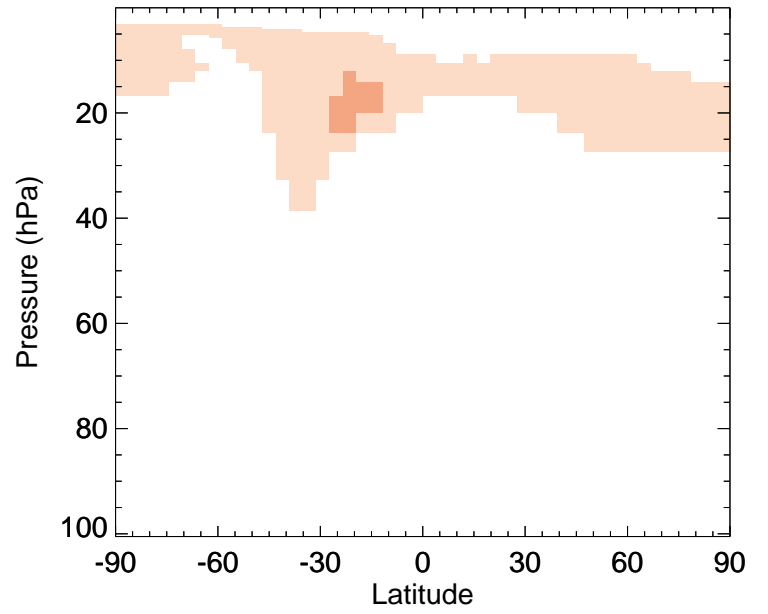
GC\_12.0.0 - v11-02f-Run1

H2O2 - Strat zonal mean abs diff for Jul



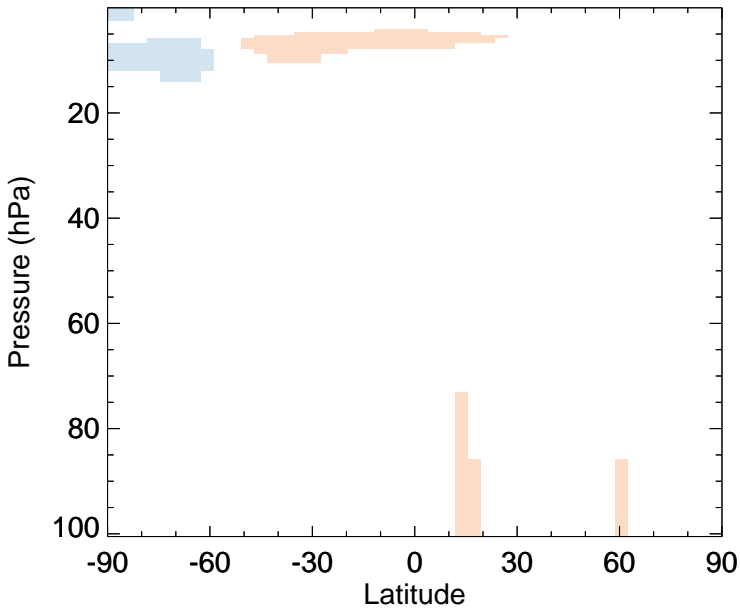
GC\_12.0.0 / v11-02f-Run1

H2O2 - Strat zonal mean % diff for Jul



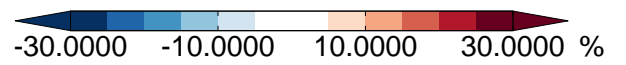
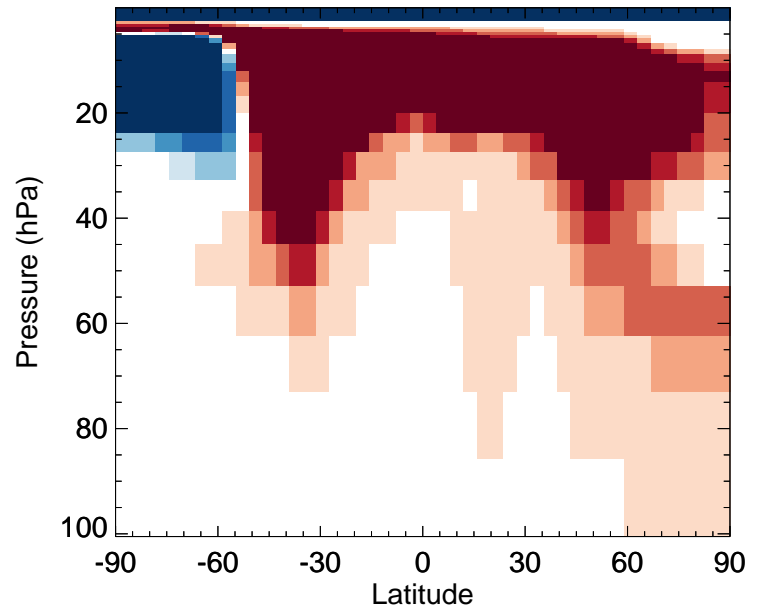
GC\_12.0.0 - v11-02e-Run1

H2O2 - Strat zonal mean abs diff for Jul



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

H2O2 - Strat zonal mean % diff for Jul

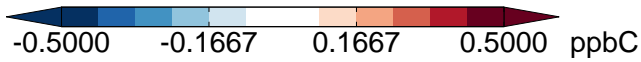
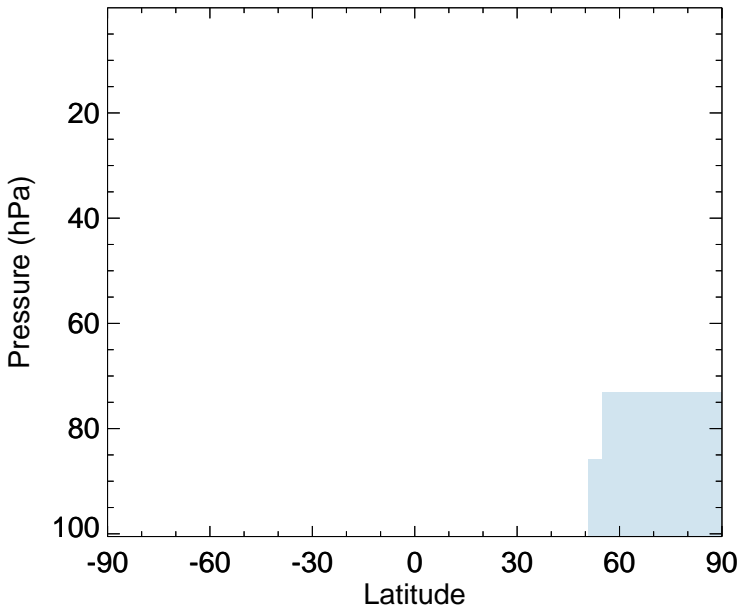




GEOS-Chem Stratospheric Zonal Difference Maps

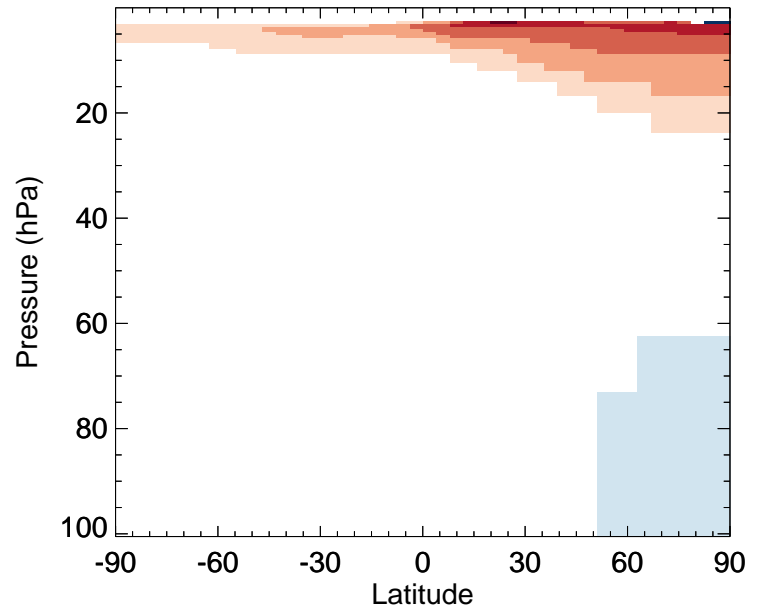
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ACET - Strat zonal mean abs diff for Jul



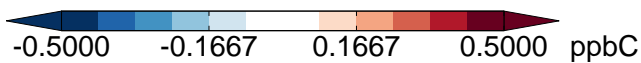
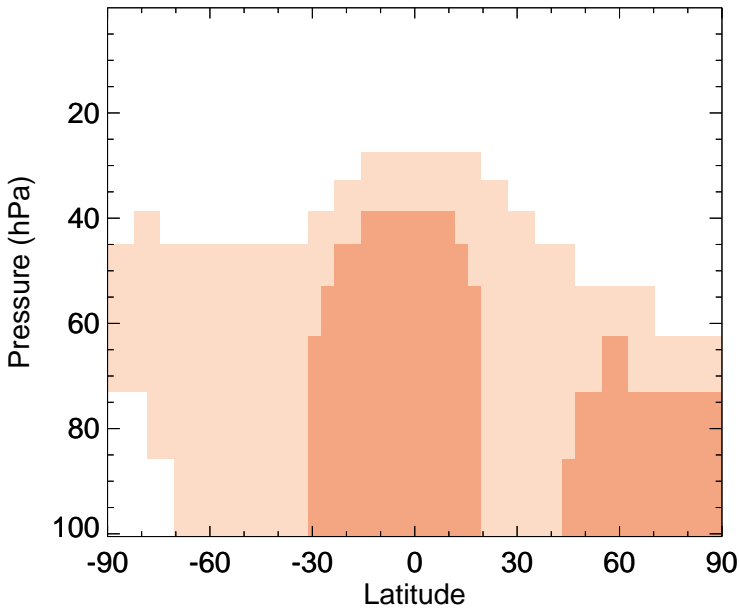
GC\_12.0.0 / v11-02f-Run1

ACET - Strat zonal mean % diff for Jul



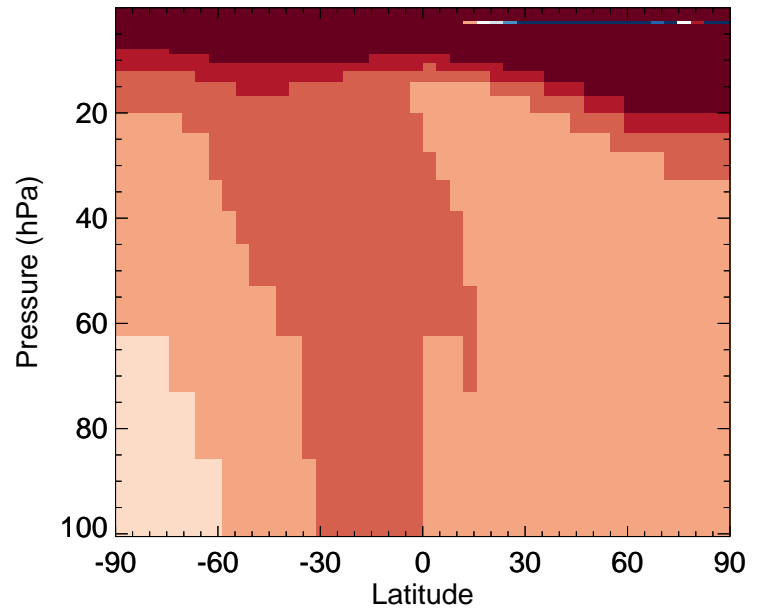
GC\_12.0.0 - v11-02e-Run1

ACET - Strat zonal mean abs diff for Jul



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

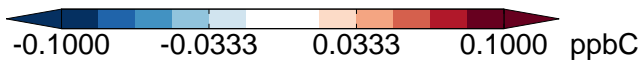
ACET - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

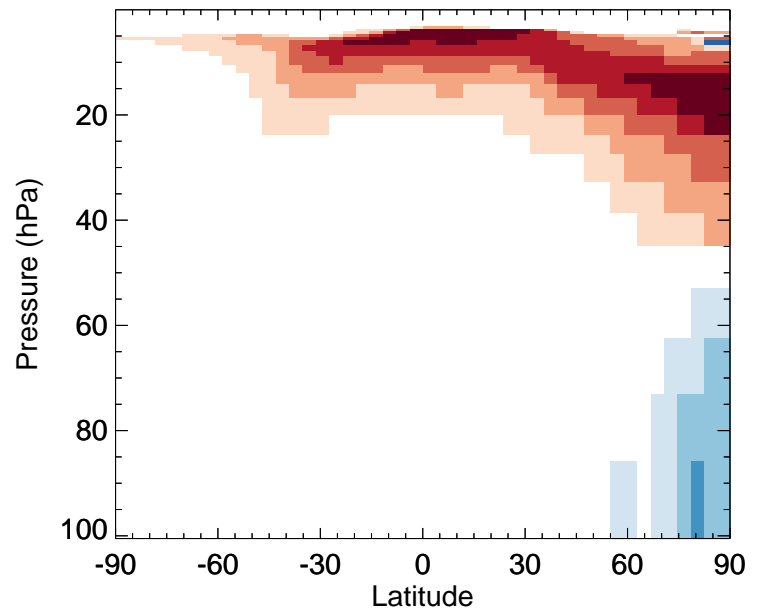
GC\_12.0.0 - v11-02f-Run1

MEK - Strat zonal mean abs diff for Jul



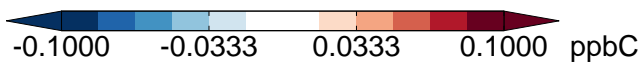
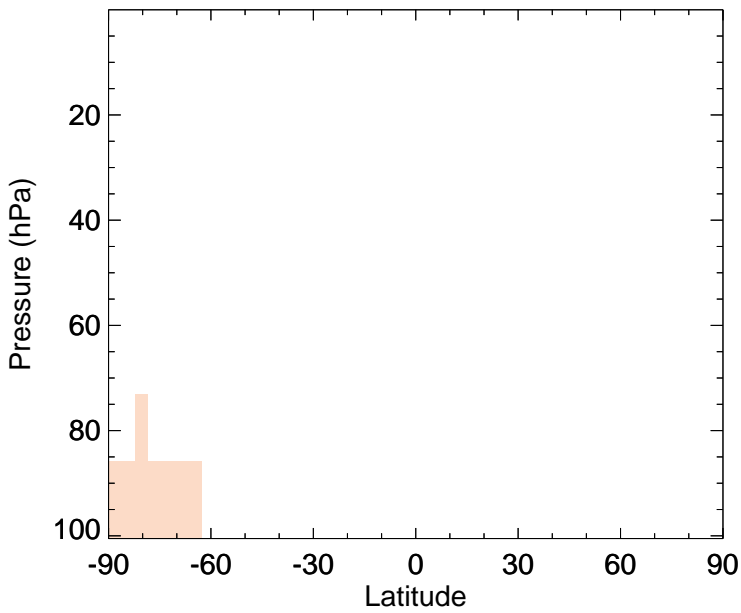
GC\_12.0.0 / v11-02f-Run1

MEK - Strat zonal mean % diff for Jul



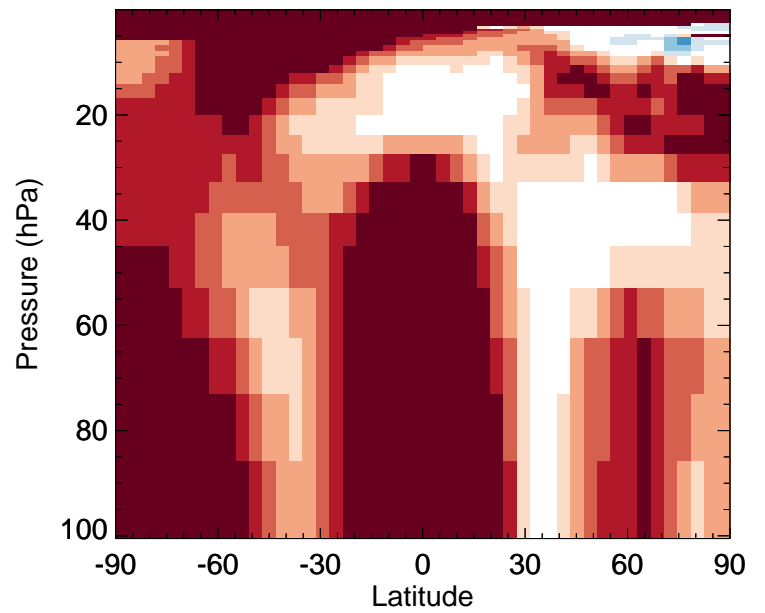
GC\_12.0.0 - v11-02e-Run1

MEK - Strat zonal mean abs diff for Jul



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

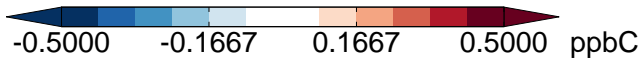
MEK - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

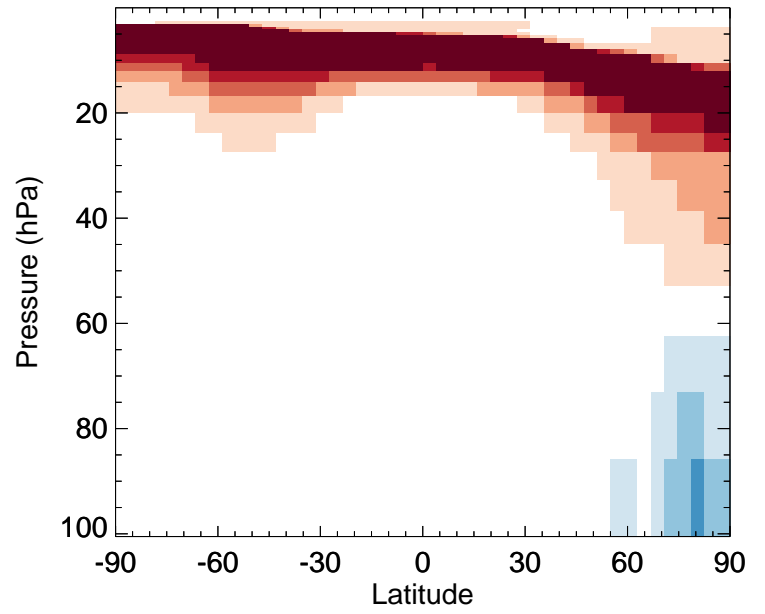
GC\_12.0.0 - v11-02f-Run1

ALD2 - Strat zonal mean abs diff for Jul



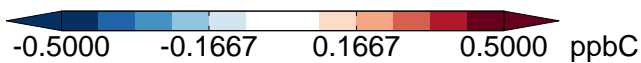
GC\_12.0.0 / v11-02f-Run1

ALD2 - Strat zonal mean % diff for Jul



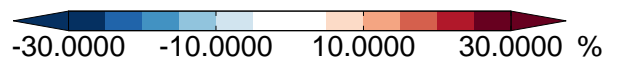
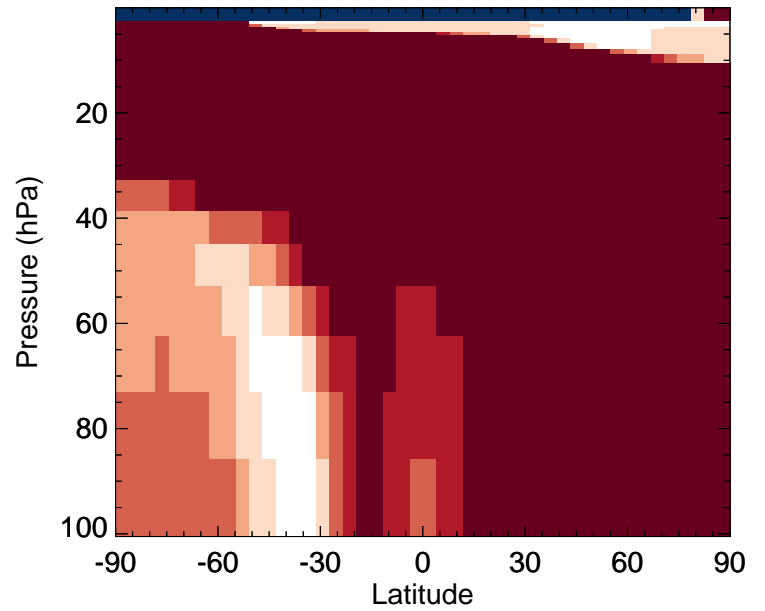
GC\_12.0.0 - v11-02e-Run1

ALD2 - Strat zonal mean abs diff for Jul



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

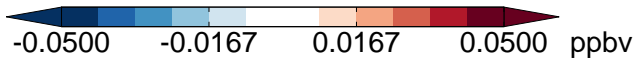
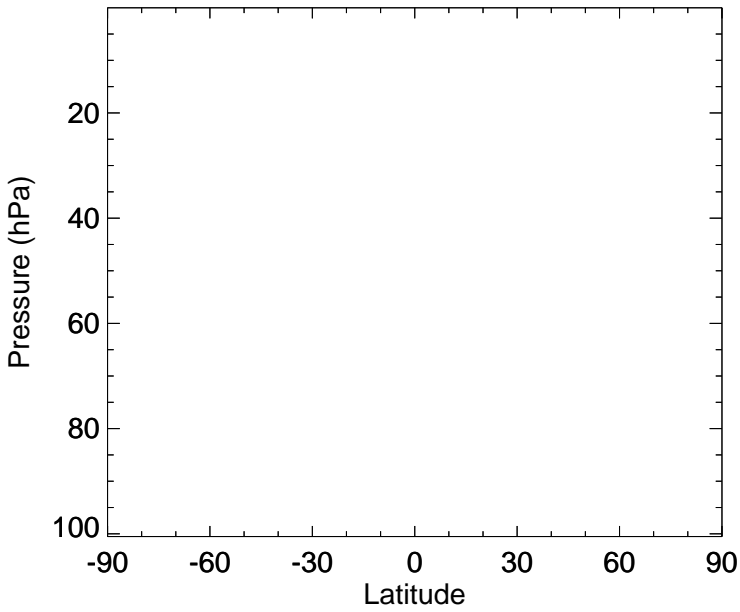
ALD2 - Strat zonal mean % diff for Jul



# GEOS-Chem Stratospheric Zonal Difference Maps

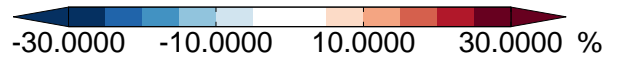
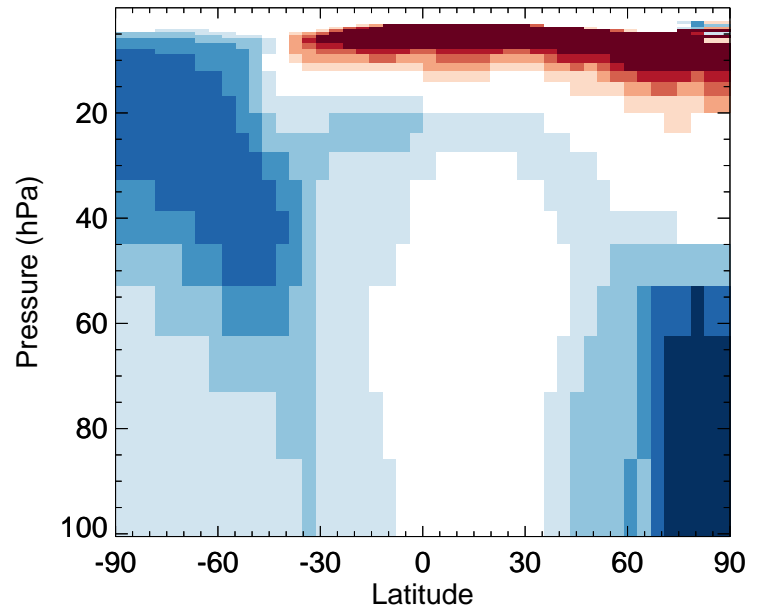
## GC\_12.0.0 - v11-02f-Run1

RCHO - Strat zonal mean abs diff for Jul



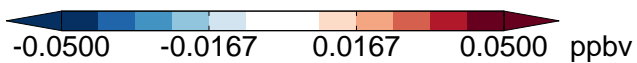
## GC\_12.0.0 / v11-02f-Run1

RCHO - Strat zonal mean % diff for Jul



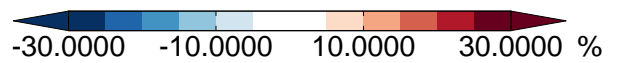
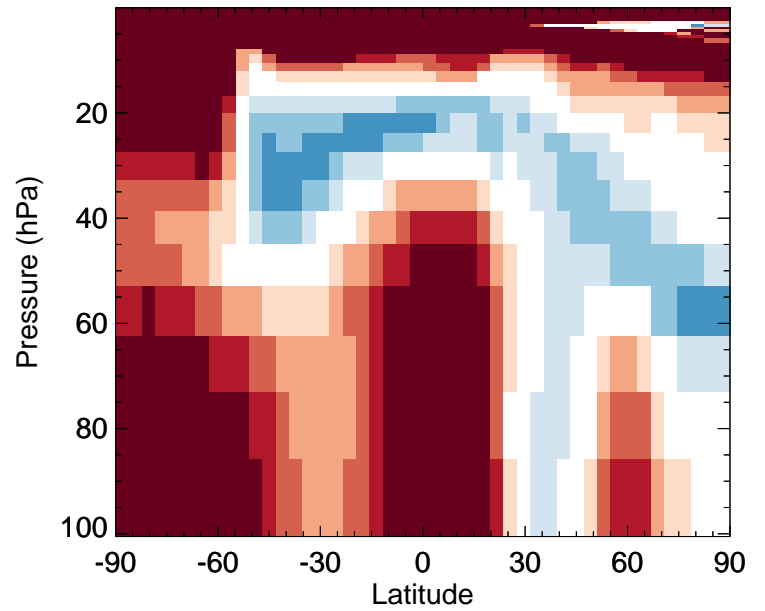
## GC\_12.0.0 - v11-02e-Run1

RCHO - Strat zonal mean abs diff for Jul



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

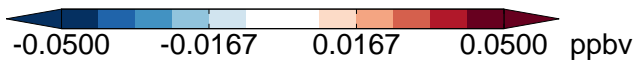
RCHO - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

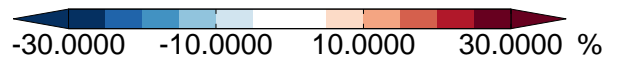
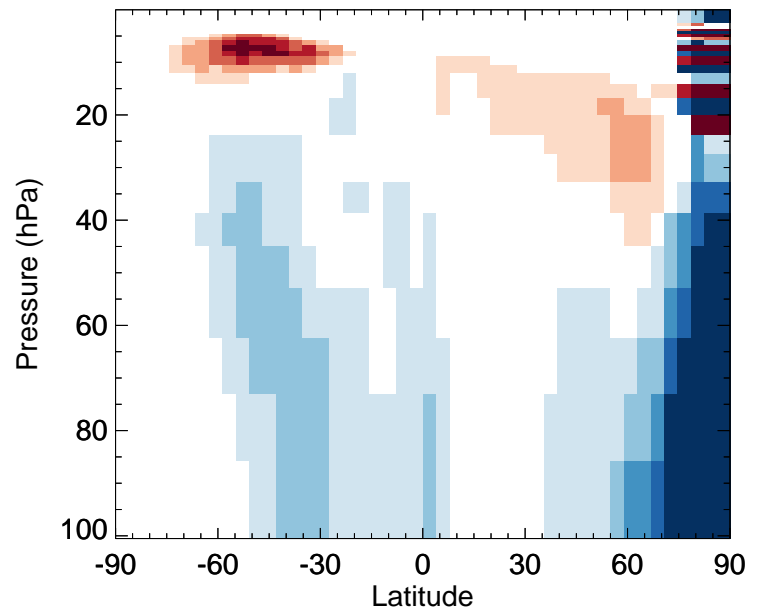
GC\_12.0.0 - v11-02f-Run1

MVK - Strat zonal mean abs diff for Jul



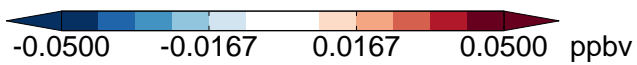
GC\_12.0.0 / v11-02f-Run1

MVK - Strat zonal mean % diff for Jul



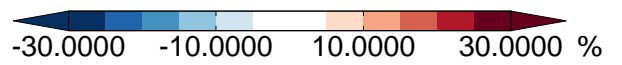
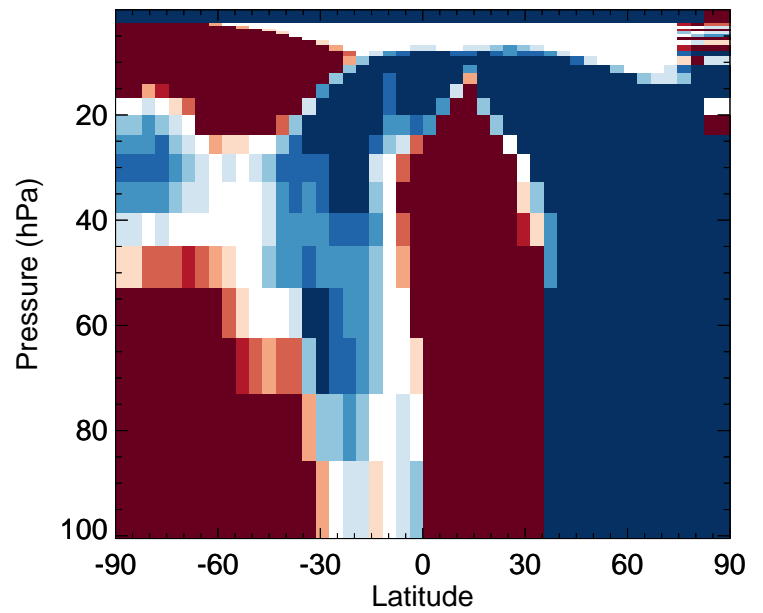
GC\_12.0.0 - v11-02e-Run1

MVK - Strat zonal mean abs diff for Jul



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

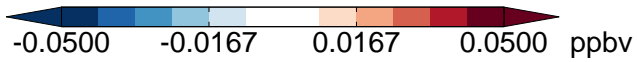
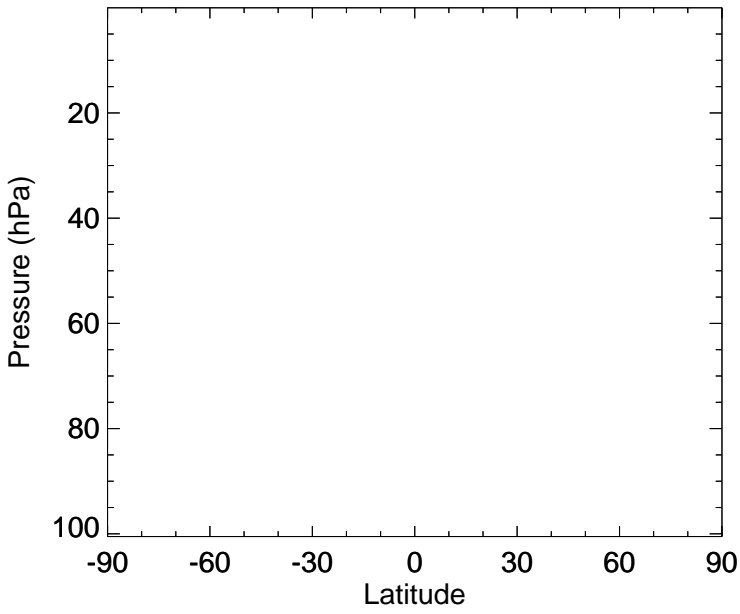
MVK - Strat zonal mean % diff for Jul



# GEOS-Chem Stratospheric Zonal Difference Maps

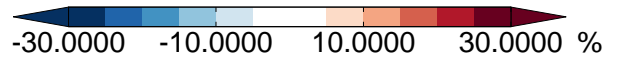
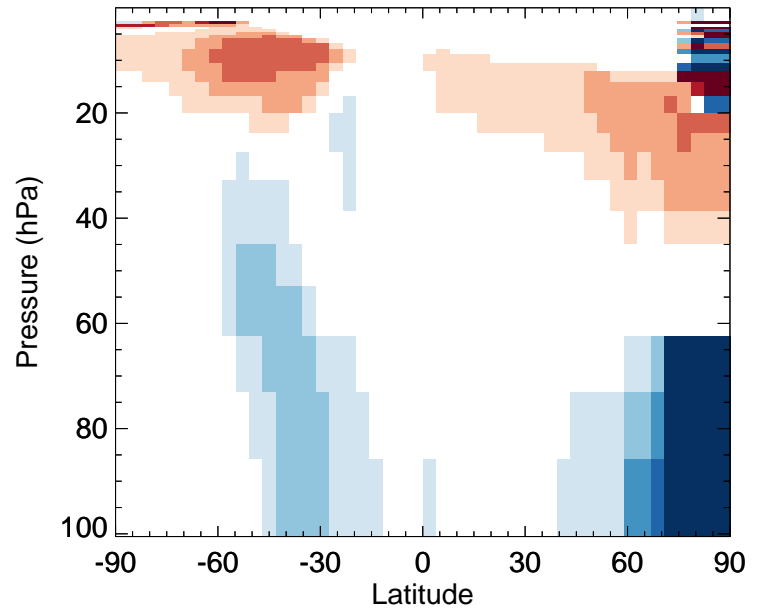
GC\_12.0.0 - v11-02f-Run1

MACR - Strat zonal mean abs diff for Jul



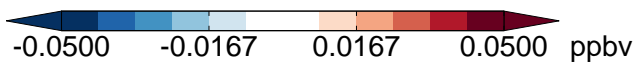
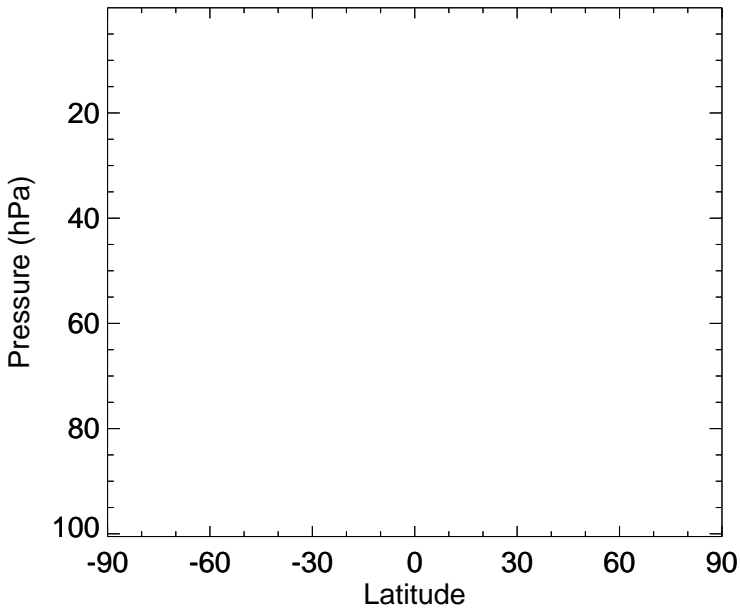
GC\_12.0.0 / v11-02f-Run1

MACR - Strat zonal mean % diff for Jul



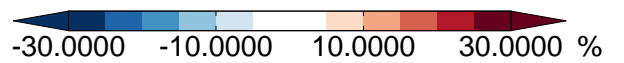
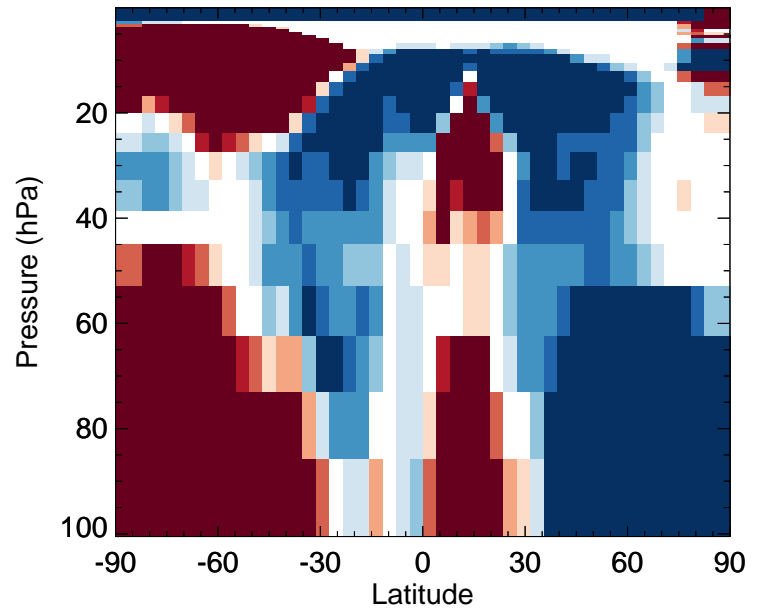
GC\_12.0.0 - v11-02e-Run1

MACR - Strat zonal mean abs diff for Jul



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

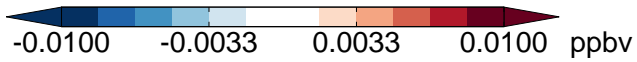
MACR - Strat zonal mean % diff for Jul



# GEOS-Chem Stratospheric Zonal Difference Maps

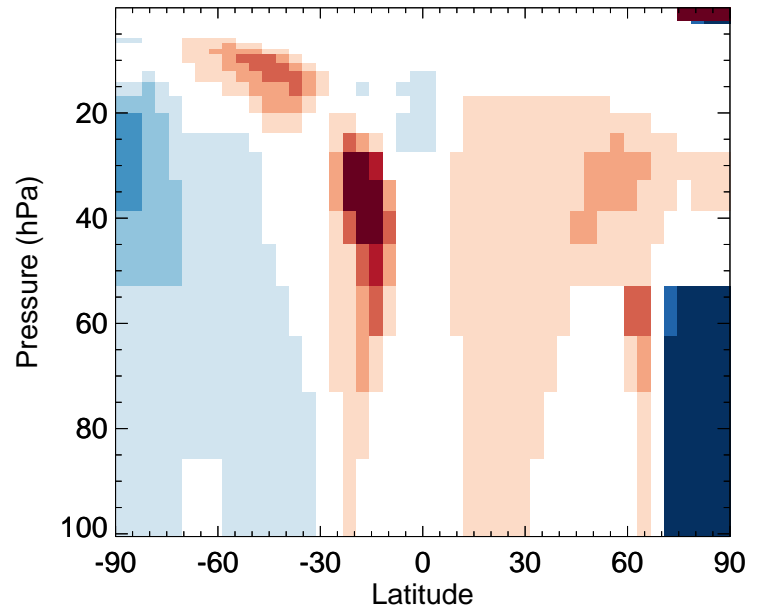
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NPMN - Strat zonal mean abs diff for Jul



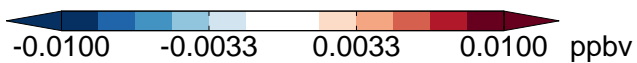
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NPMN - Strat zonal mean % diff for Jul



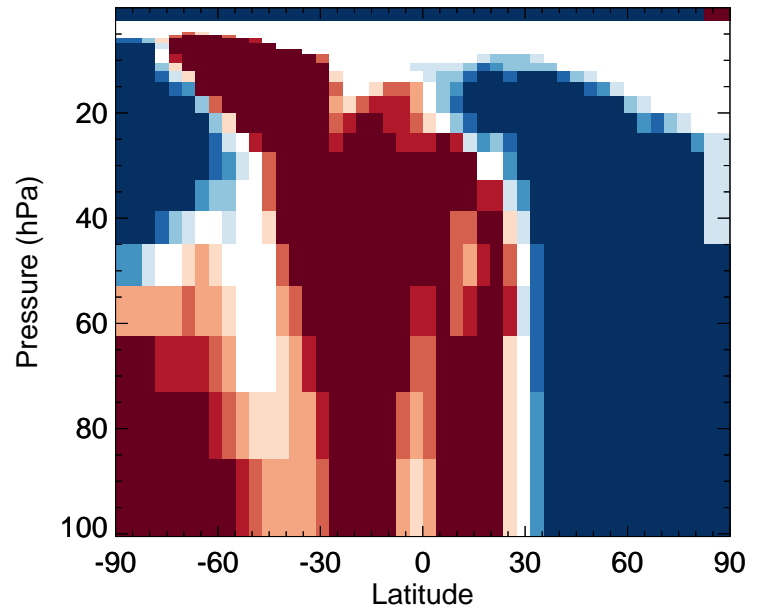
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NPMN - Strat zonal mean abs diff for Jul



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

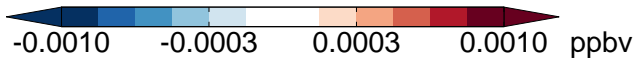
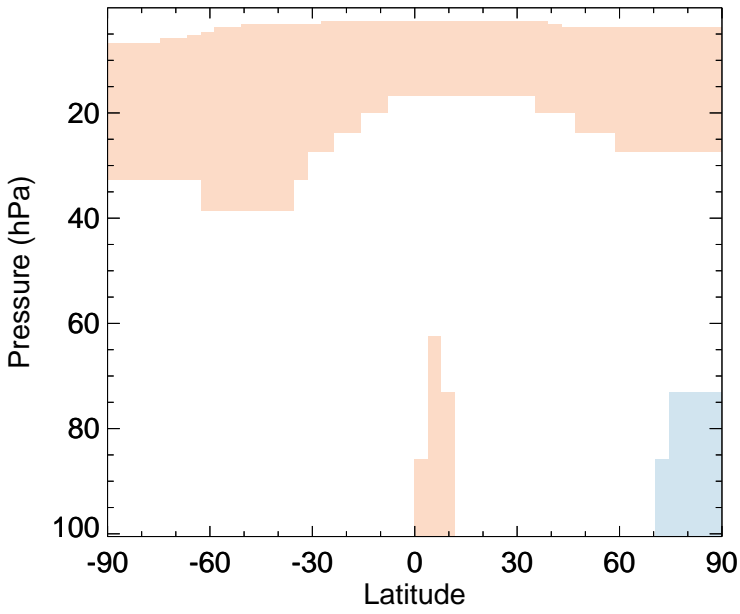
NPMN - Strat zonal mean % diff for Jul



# GEOS-Chem Stratospheric Zonal Difference Maps

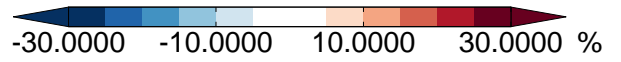
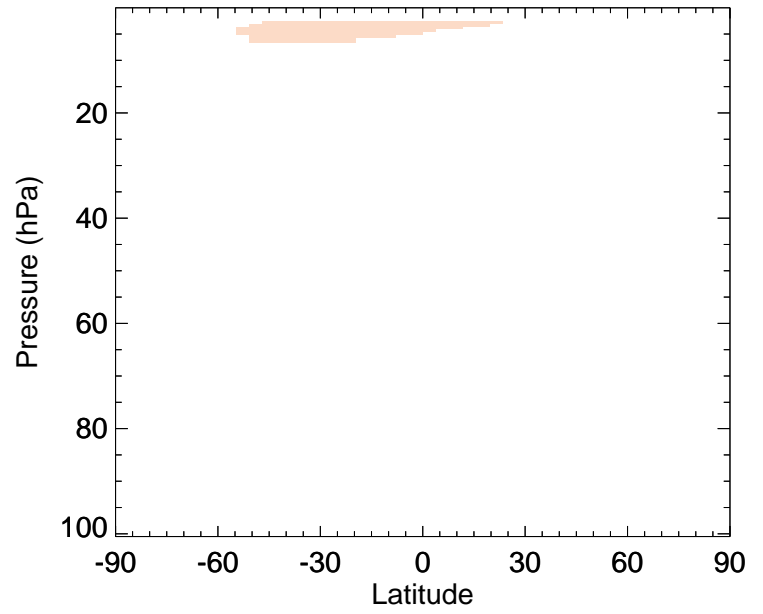
## GC\_12.0.0 - v11-02f-Run1

PPN - Strat zonal mean abs diff for Jul



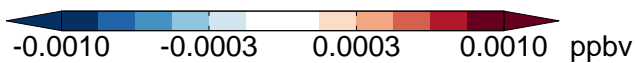
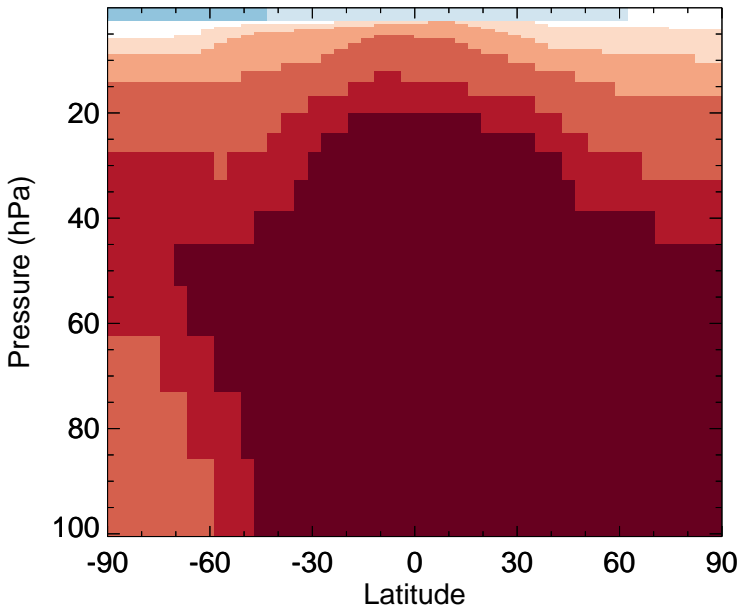
## GC\_12.0.0 / v11-02f-Run1

PPN - Strat zonal mean % diff for Jul



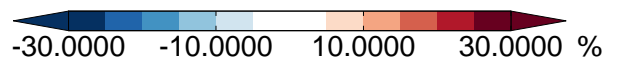
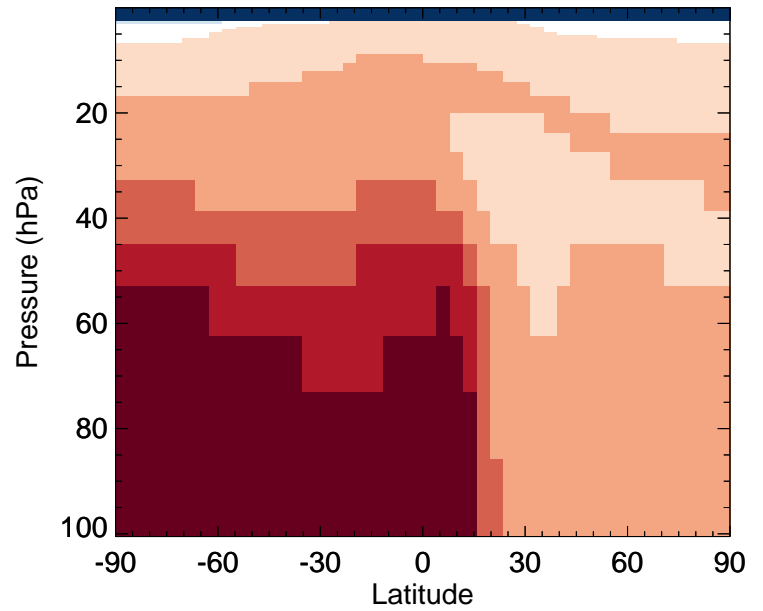
## GC\_12.0.0 - v11-02e-Run1

PPN - Strat zonal mean abs diff for Jul



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

PPN - Strat zonal mean % diff for Jul

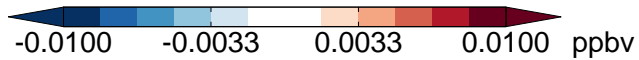
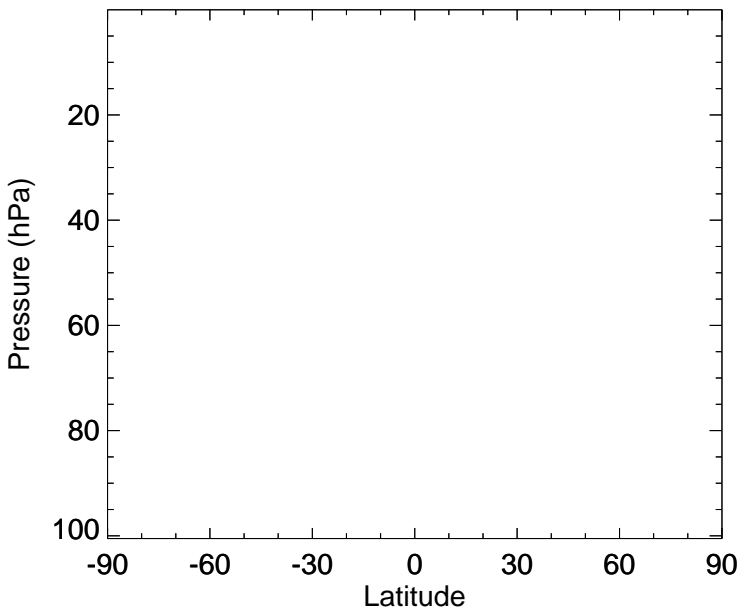




# GEOS-Chem Stratospheric Zonal Difference Maps

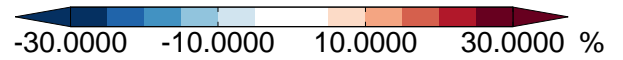
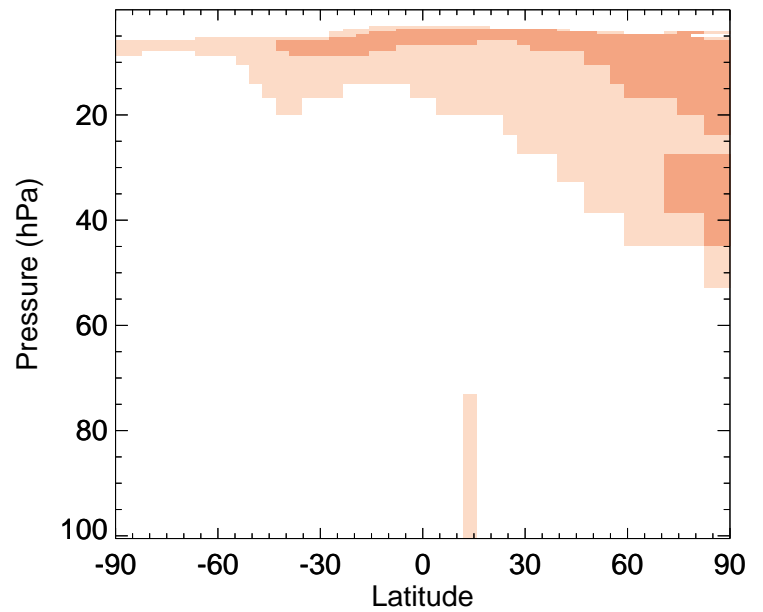
GC\_12.0.0 - v11-02f-Run1

R4N2 - Strat zonal mean abs diff for Jul



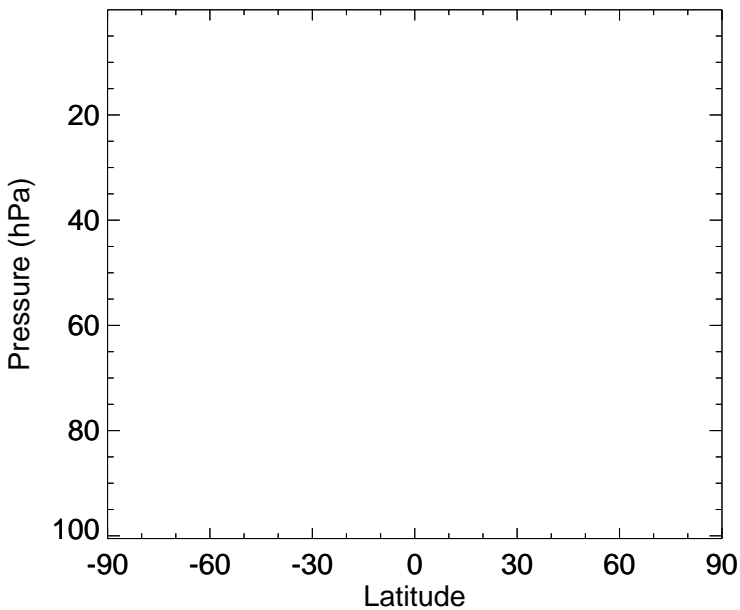
GC\_12.0.0 / v11-02f-Run1

R4N2 - Strat zonal mean % diff for Jul



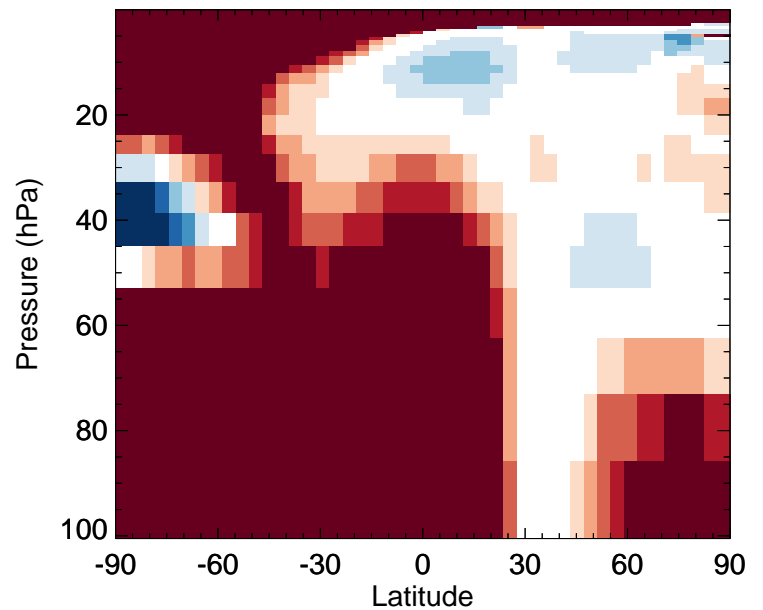
GC\_12.0.0 - v11-02e-Run1

R4N2 - Strat zonal mean abs diff for Jul



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

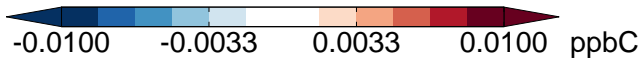
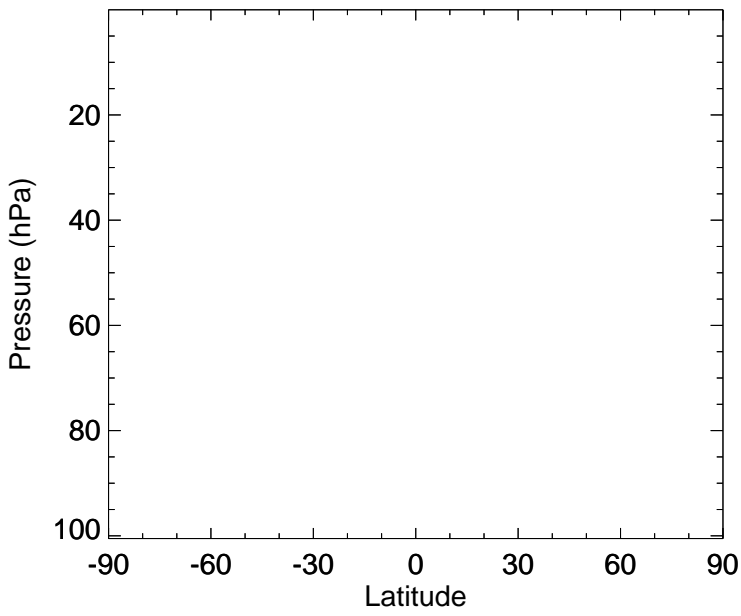
R4N2 - Strat zonal mean % diff for Jul



# GEOS-Chem Stratospheric Zonal Difference Maps

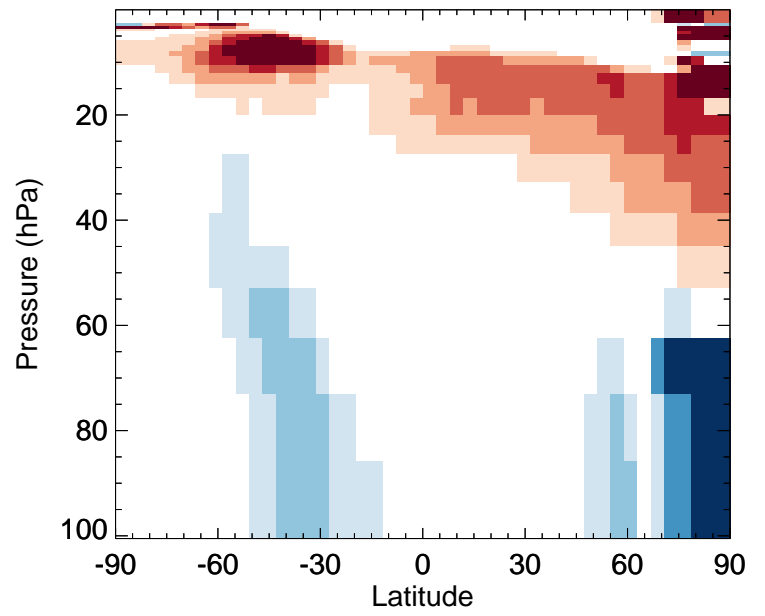
## GC\_12.0.0 - v11-02f-Run1

PRPE - Strat zonal mean abs diff for Jul



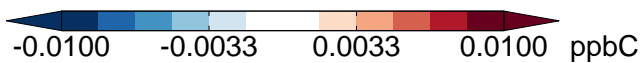
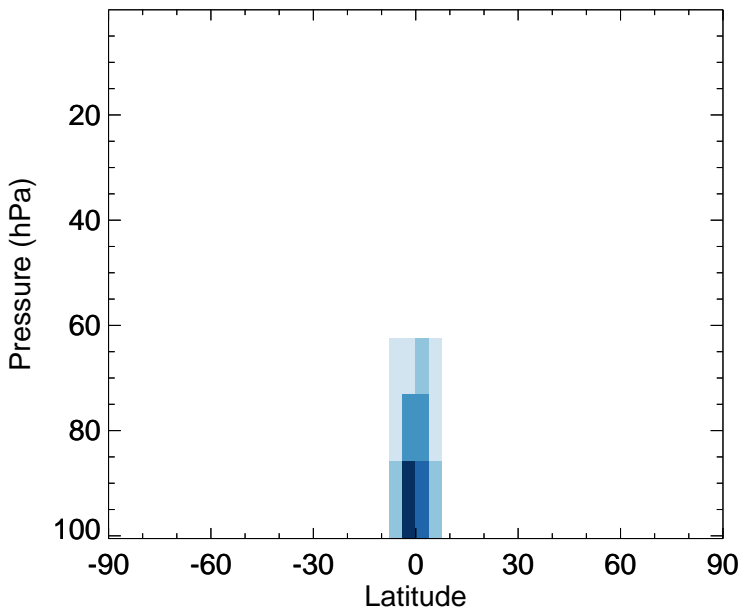
## GC\_12.0.0 / v11-02f-Run1

PRPE - Strat zonal mean % diff for Jul



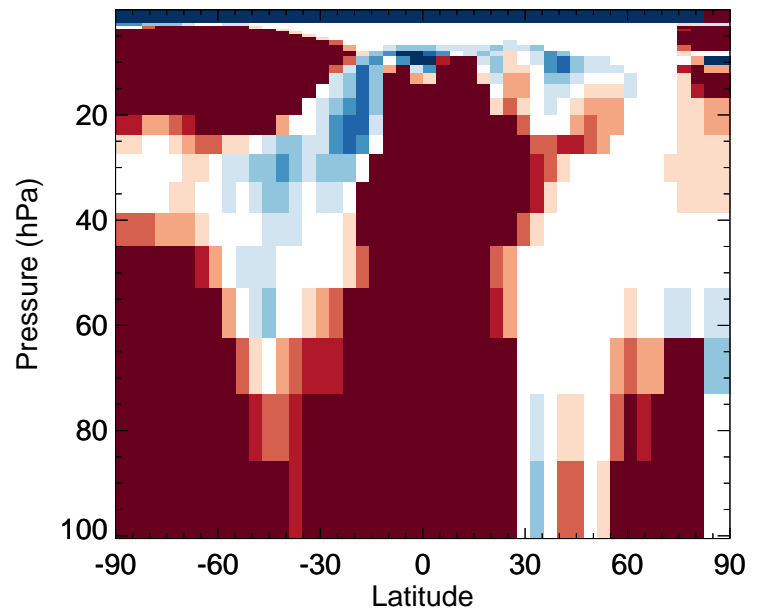
## GC\_12.0.0 - v11-02e-Run1

PRPE - Strat zonal mean abs diff for Jul



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

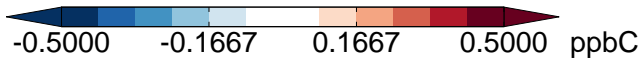
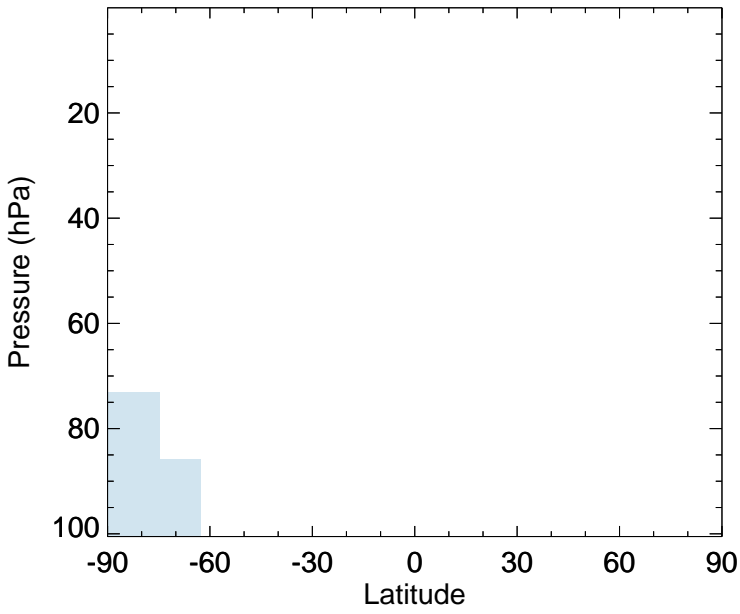
PRPE - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

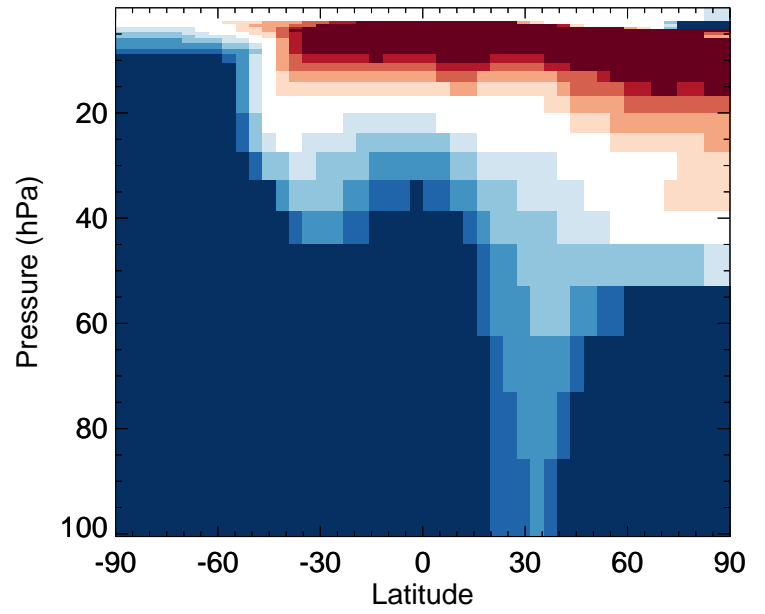
GC\_12.0.0 - v11-02f-Run1

C3H8 - Strat zonal mean abs diff for Jul



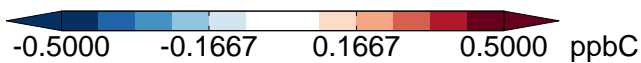
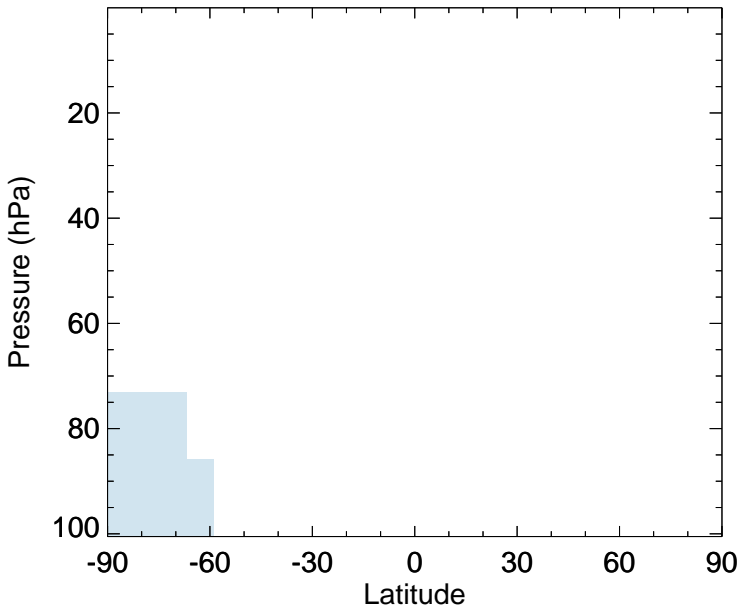
GC\_12.0.0 / v11-02f-Run1

C3H8 - Strat zonal mean % diff for Jul



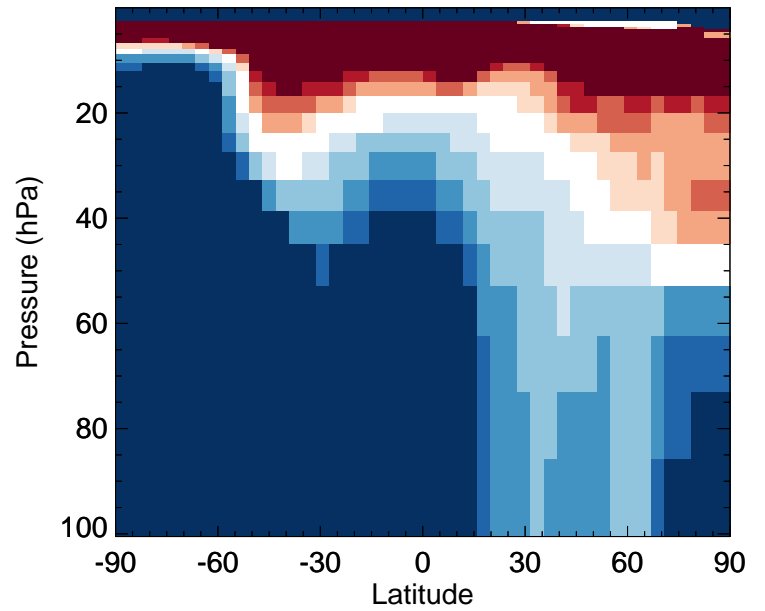
GC\_12.0.0 - v11-02e-Run1

C3H8 - Strat zonal mean abs diff for Jul



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

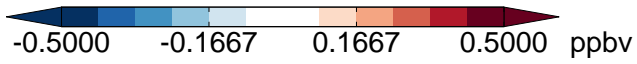
C3H8 - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

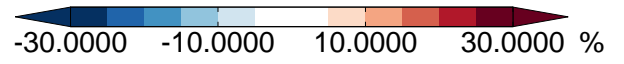
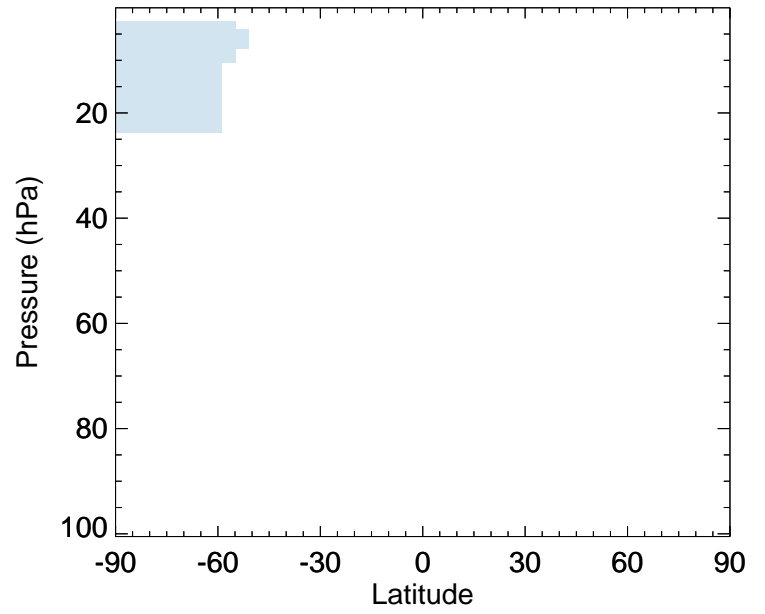
GC\_12.0.0 - v11-02f-Run1

CH2O - Strat zonal mean abs diff for Jul



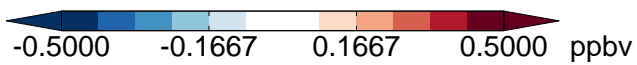
GC\_12.0.0 / v11-02f-Run1

CH2O - Strat zonal mean % diff for Jul



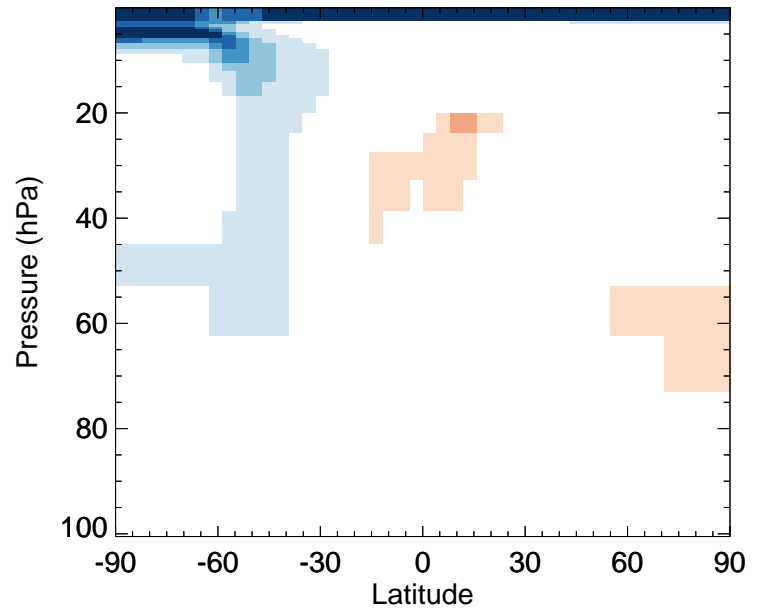
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CH2O - Strat zonal mean abs diff for Jul



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

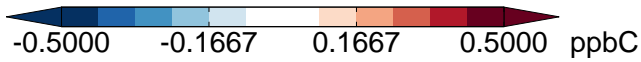
CH2O - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

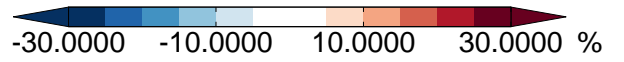
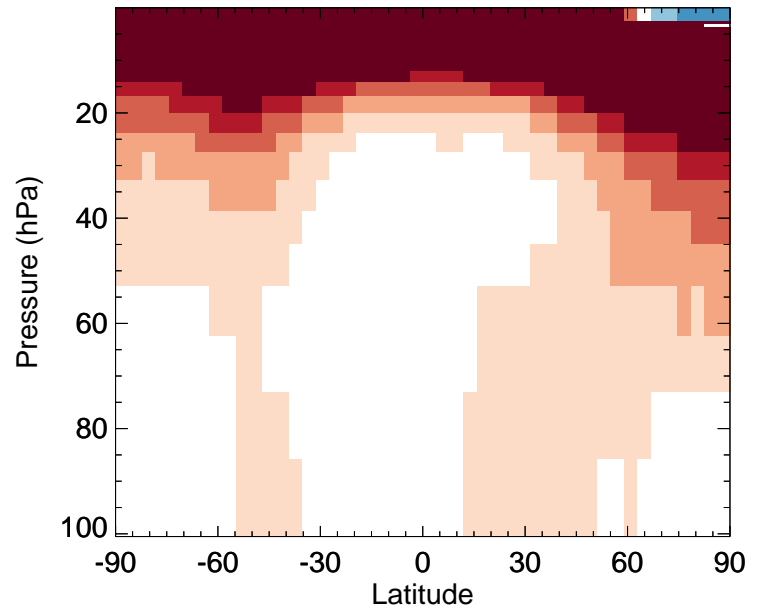
GC\_12.0.0 - v11-02f-Run1

C2H6 - Strat zonal mean abs diff for Jul



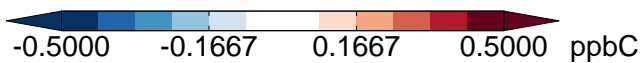
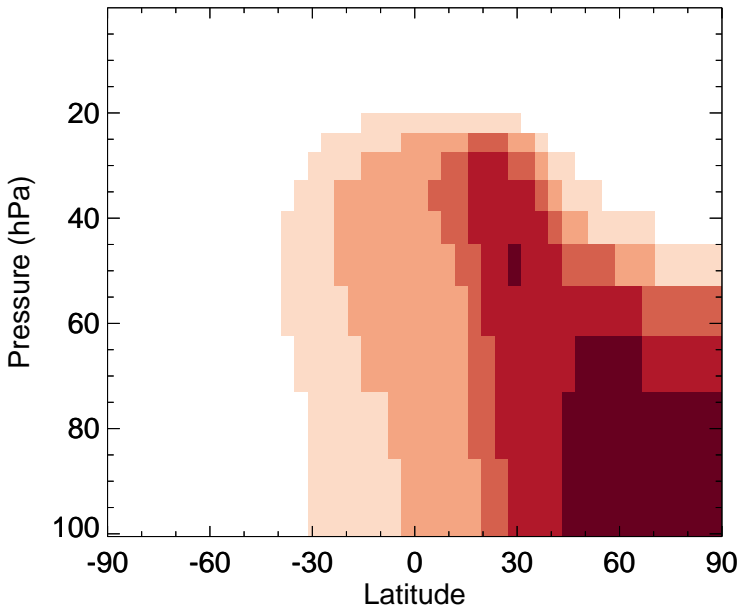
GC\_12.0.0 / v11-02f-Run1

C2H6 - Strat zonal mean % diff for Jul



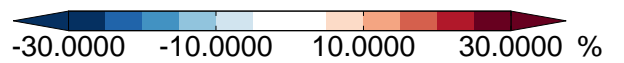
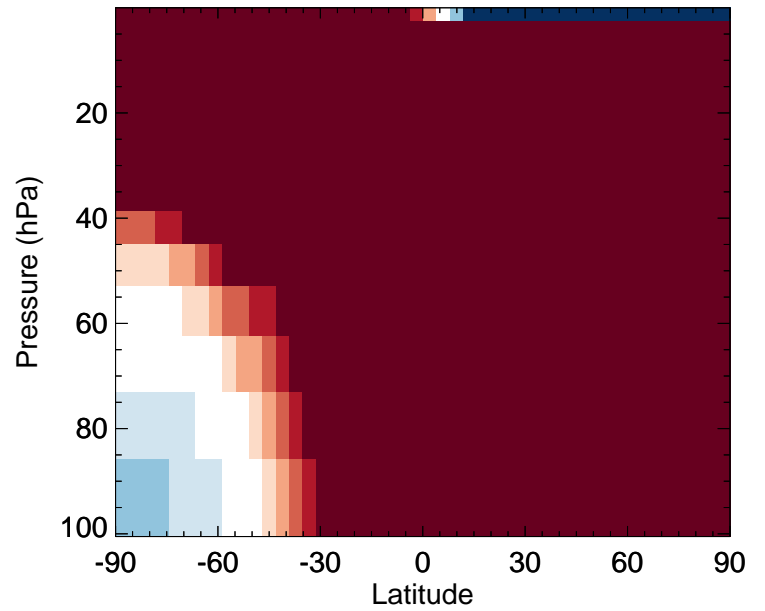
GC\_12.0.0 - v11-02e-Run1

C2H6 - Strat zonal mean abs diff for Jul



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

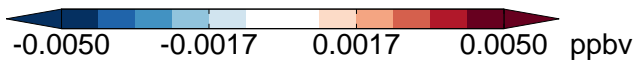
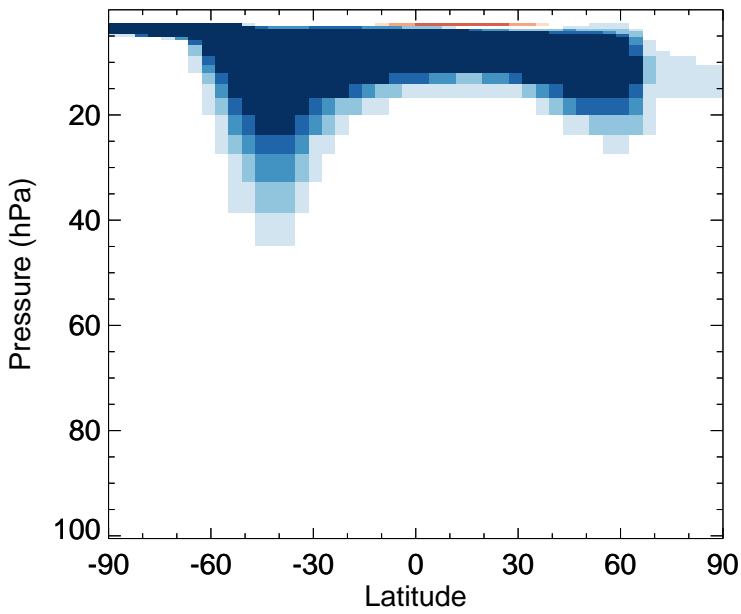
C2H6 - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

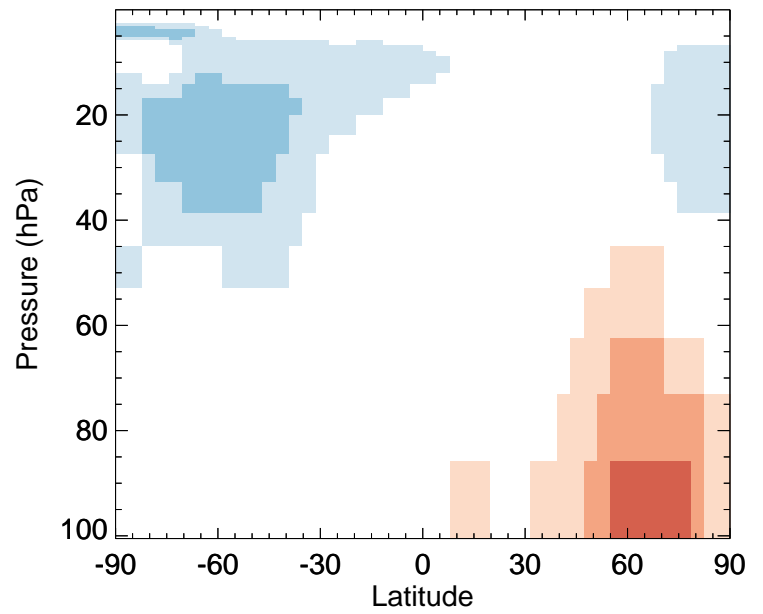
GC\_12.0.0 - v11-02f-Run1

N2O5 - Strat zonal mean abs diff for Jul



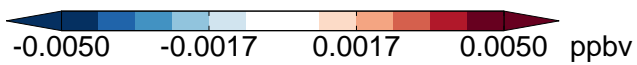
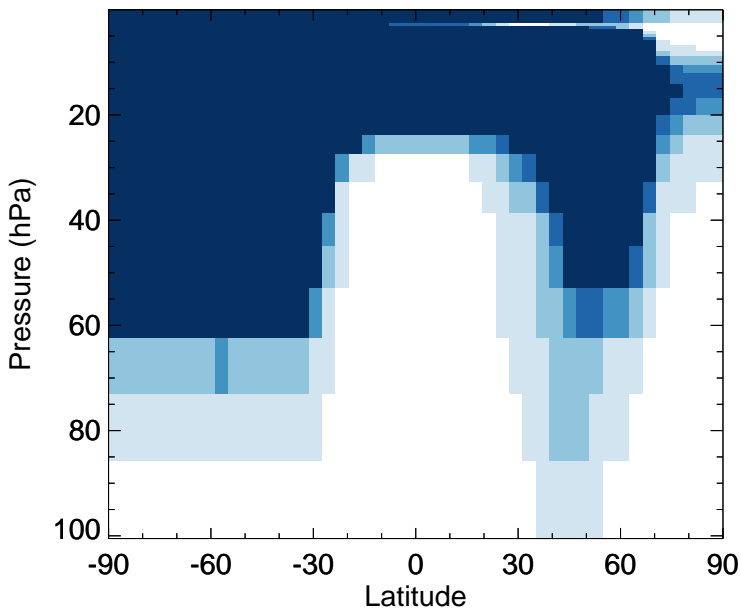
GC\_12.0.0 / v11-02f-Run1

N2O5 - Strat zonal mean % diff for Jul



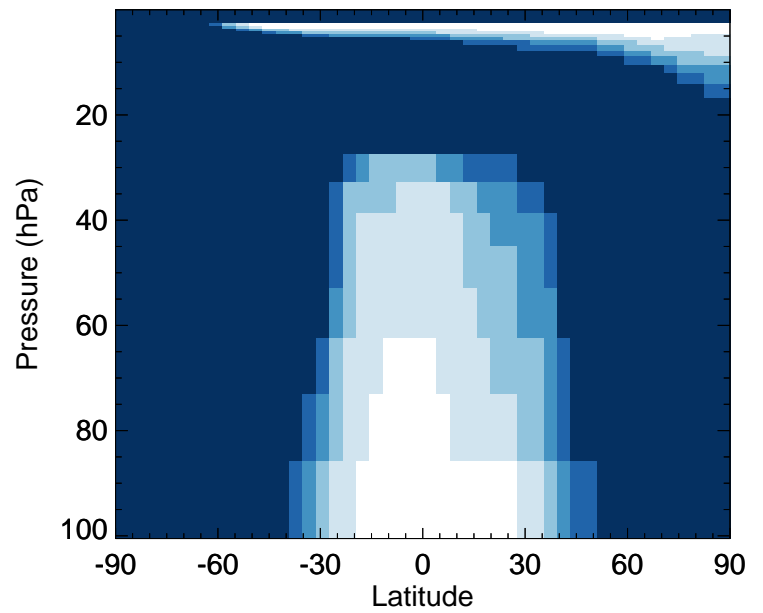
GC\_12.0.0 - v11-02e-Run1

N2O5 - Strat zonal mean abs diff for Jul



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

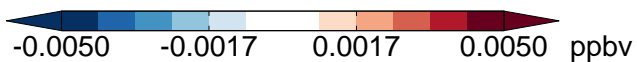
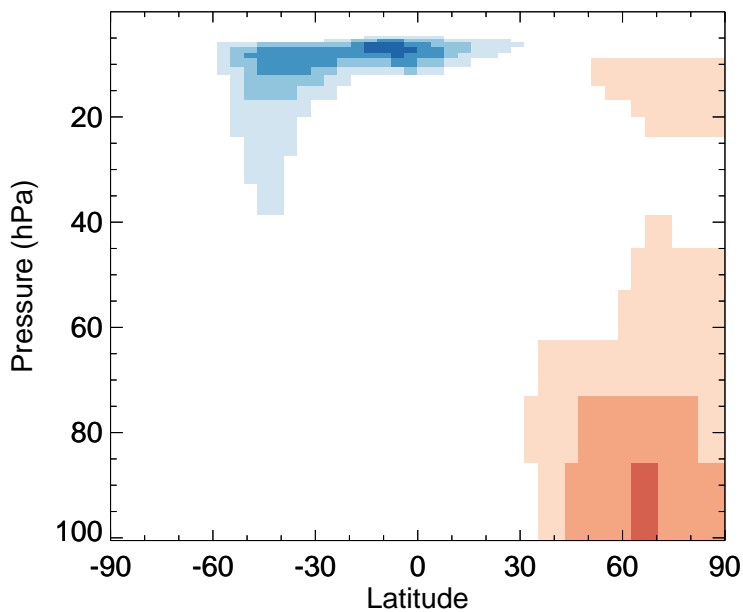
N2O5 - Strat zonal mean % diff for Jul



# GEOS-Chem Stratospheric Zonal Difference Maps

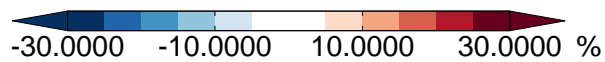
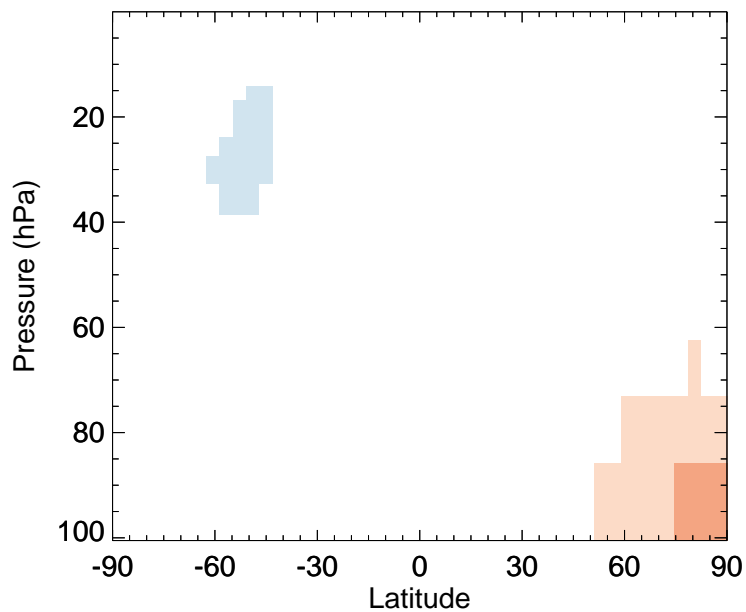
## GC\_12.0.0 - v11-02f-Run1

HNO<sub>4</sub> - Strat zonal mean abs diff for Jul



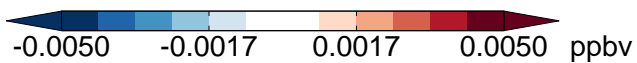
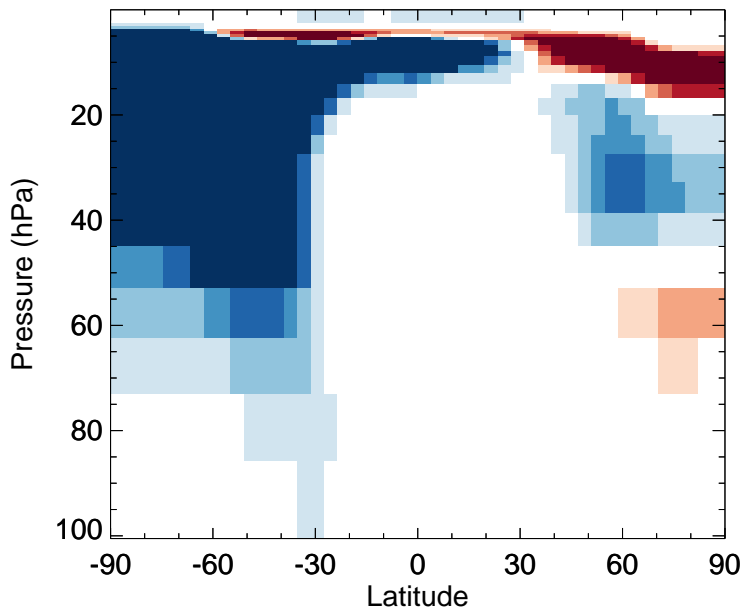
## GC\_12.0.0 / v11-02f-Run1

HNO<sub>4</sub> - Strat zonal mean % diff for Jul



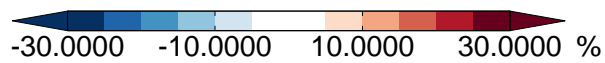
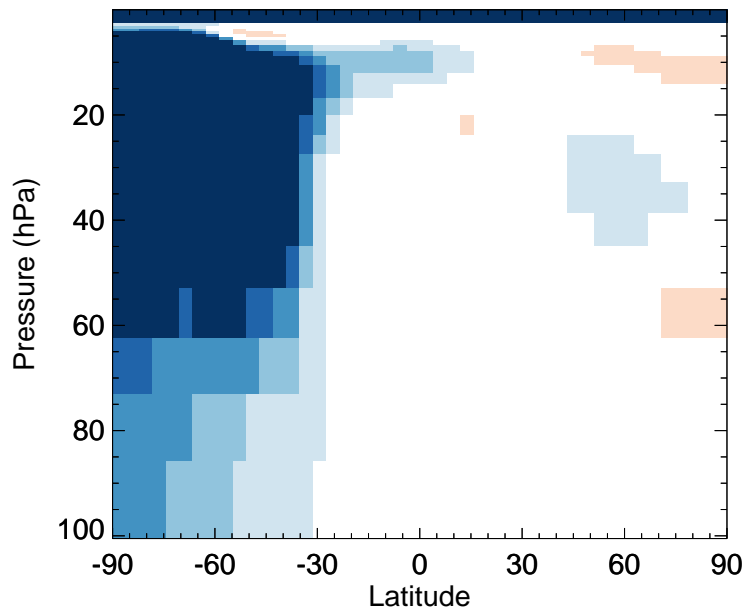
## GC\_12.0.0 - v11-02e-Run1

HNO<sub>4</sub> - Strat zonal mean abs diff for Jul



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

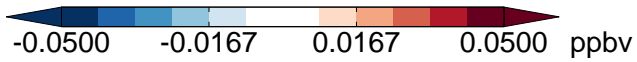
HNO<sub>4</sub> - Strat zonal mean % diff for Jul



# GEOS-Chem Stratospheric Zonal Difference Maps

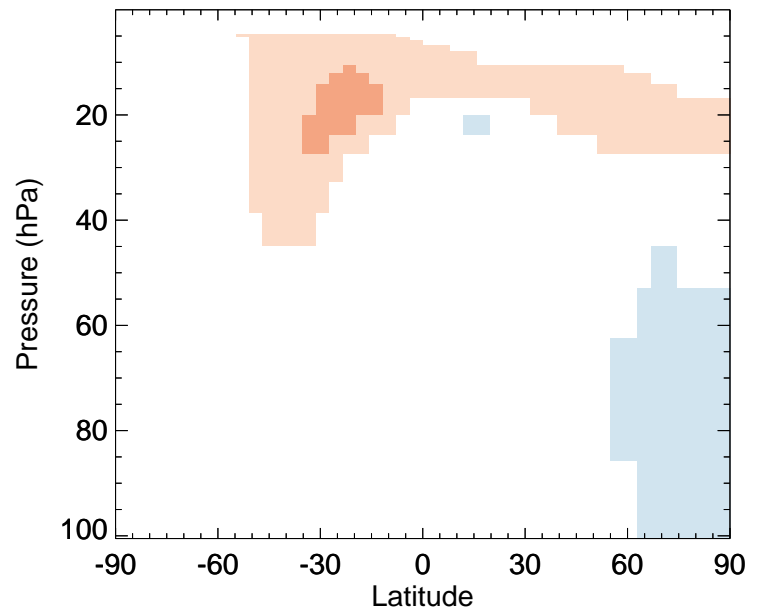
GC\_12.0.0 - v11-02f-Run1

MP - Strat zonal mean abs diff for Jul



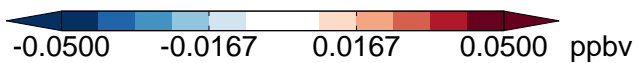
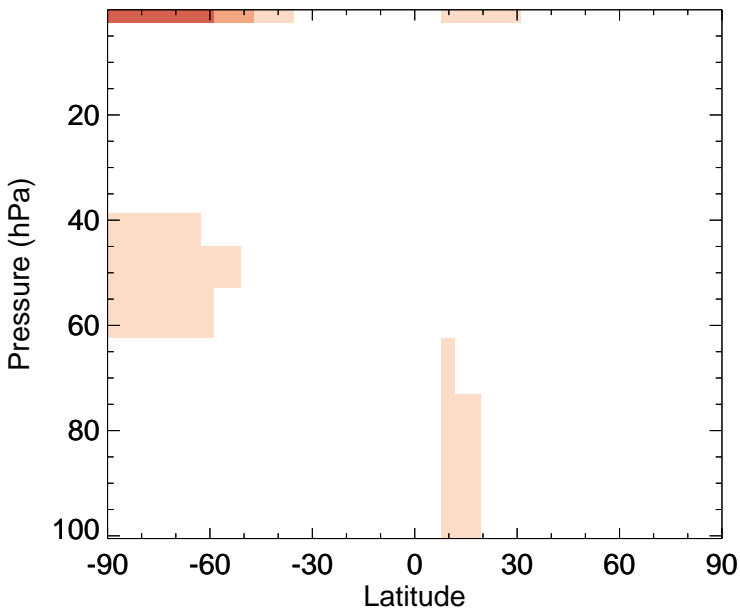
GC\_12.0.0 / v11-02f-Run1

MP - Strat zonal mean % diff for Jul



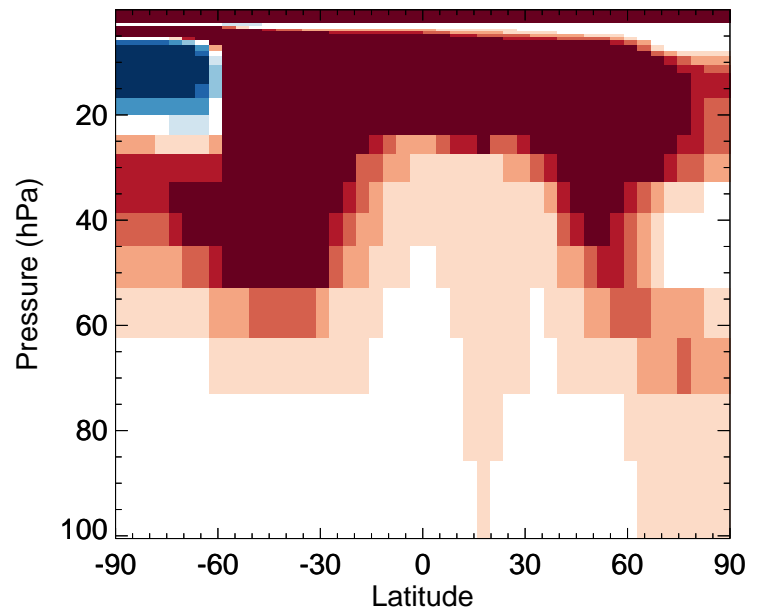
GC\_12.0.0 - v11-02e-Run1

MP - Strat zonal mean abs diff for Jul



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

MP - Strat zonal mean % diff for Jul

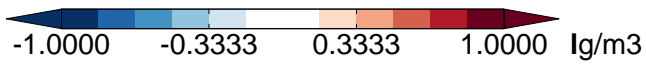




GEOS-Chem Stratospheric Zonal Difference Maps

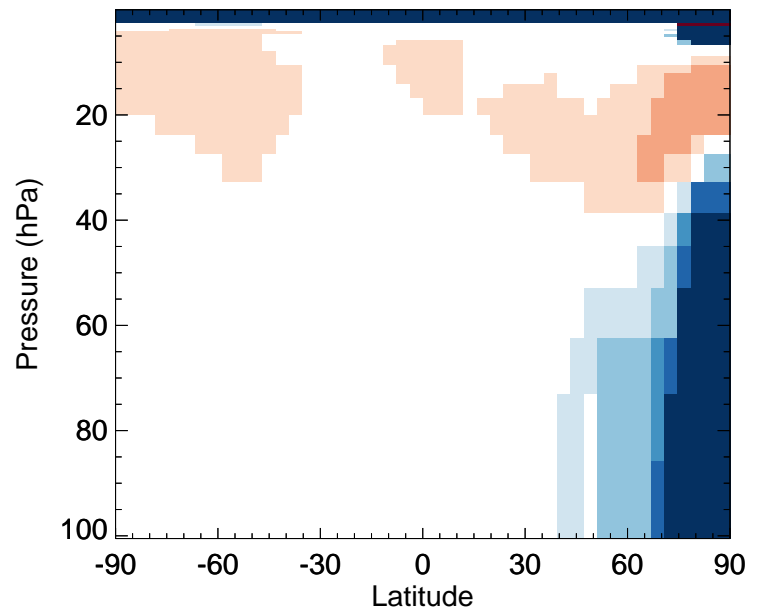
GC\_12.0.0 - v11-02f-Run1

DMS - Strat zonal mean abs diff for Jul



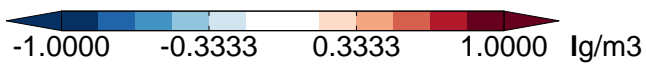
GC\_12.0.0 / v11-02f-Run1

DMS - Strat zonal mean % diff for Jul



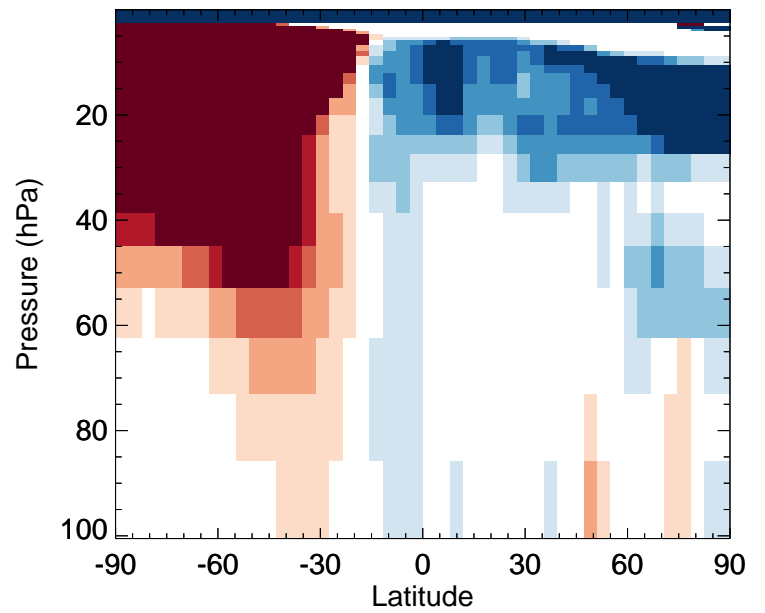
GC\_12.0.0 - v11-02e-Run1

DMS - Strat zonal mean abs diff for Jul



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

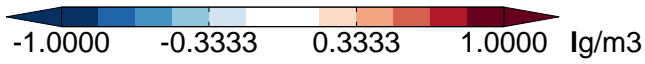
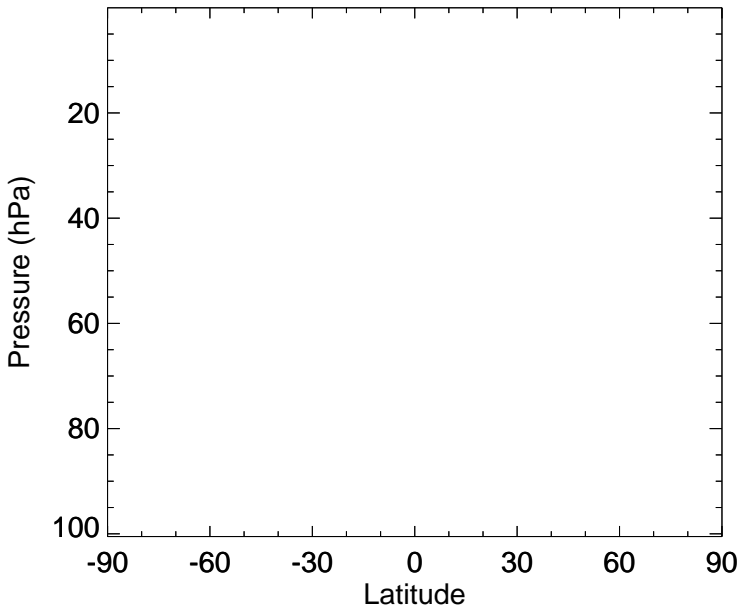
DMS - Strat zonal mean % diff for Jul



# GEOS-Chem Stratospheric Zonal Difference Maps

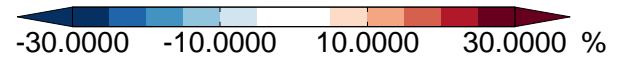
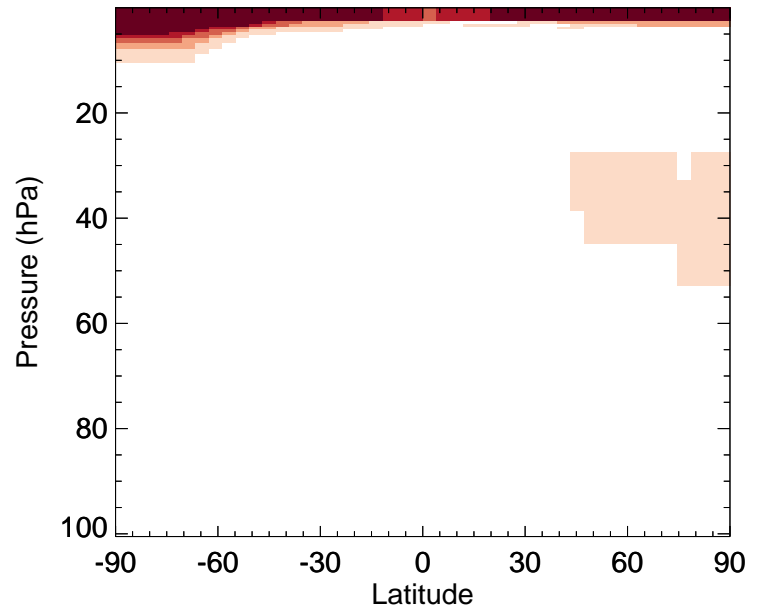
GC\_12.0.0 - v11-02f-Run1

SO2 - Strat zonal mean abs diff for Jul



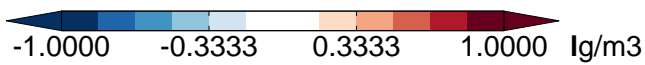
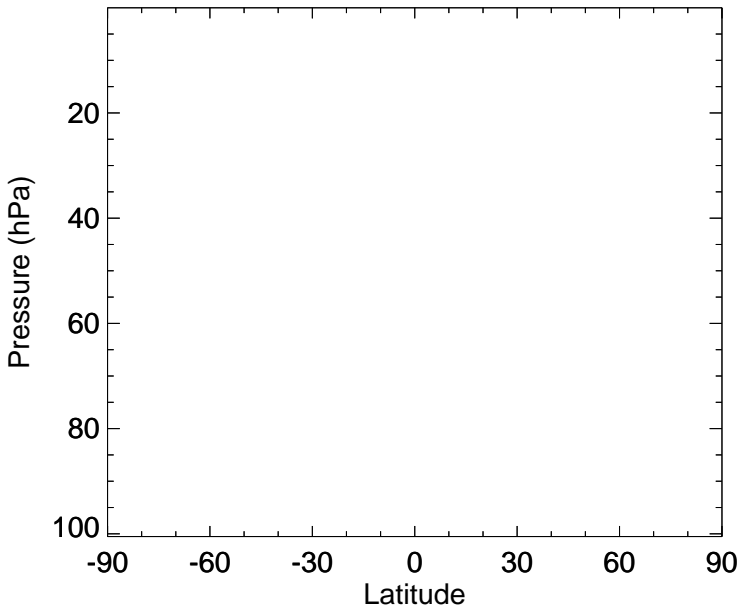
GC\_12.0.0 / v11-02f-Run1

SO2 - Strat zonal mean % diff for Jul



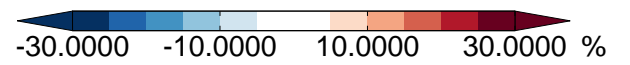
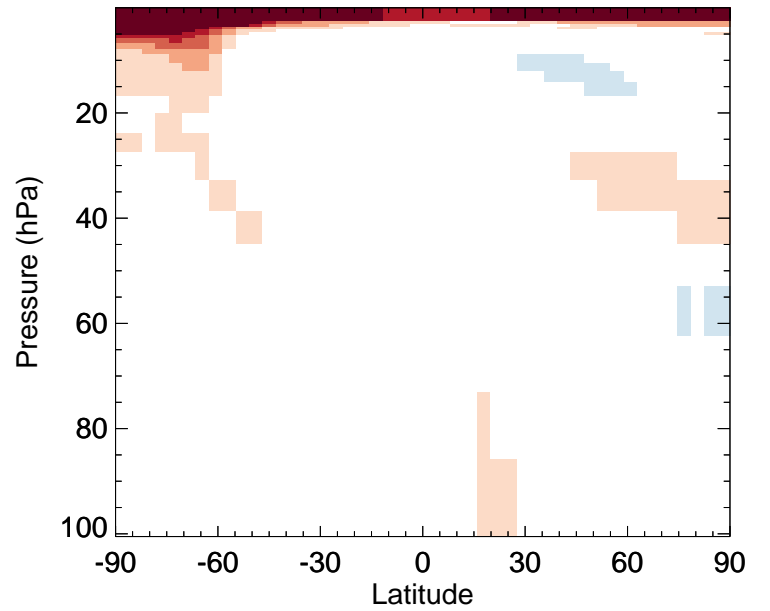
GC\_12.0.0 - v11-02e-Run1

SO2 - Strat zonal mean abs diff for Jul



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

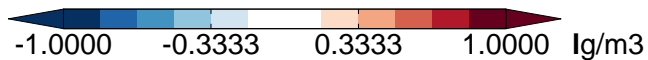
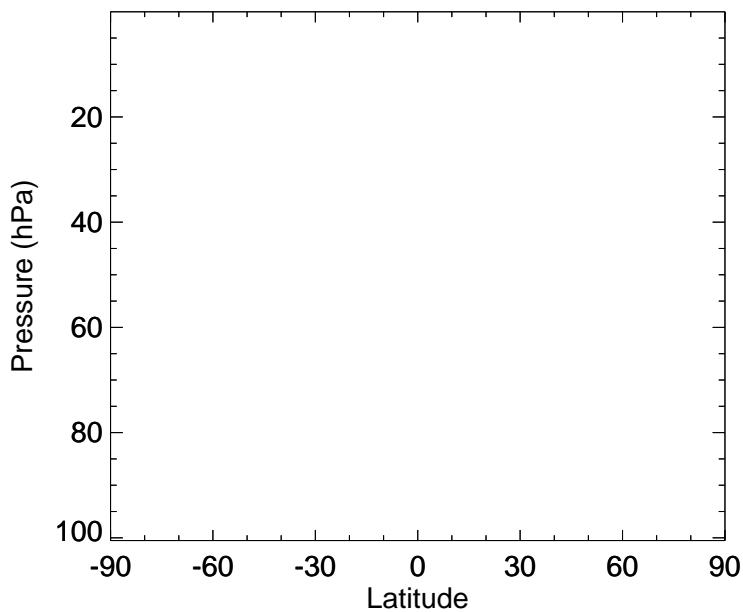
SO2 - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

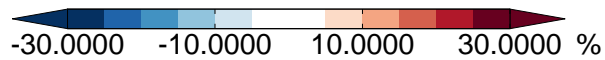
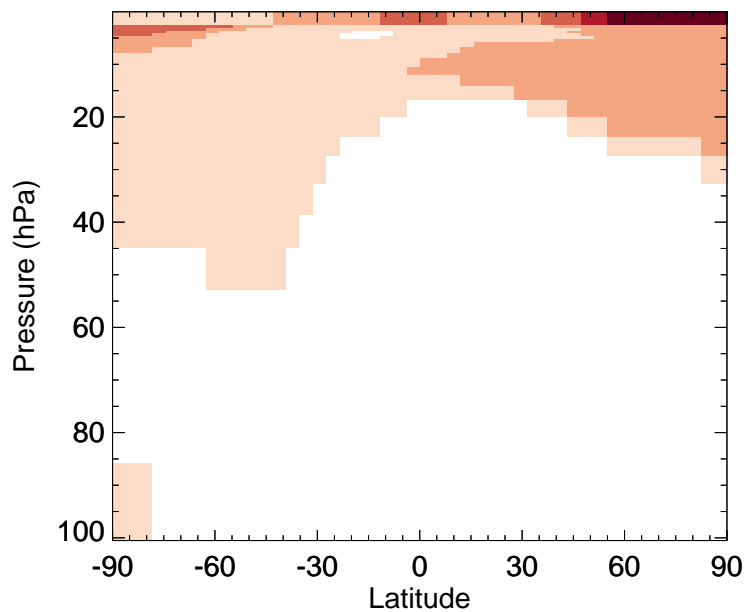
GC\_12.0.0 - v11-02f-Run1

SO4 - Strat zonal mean abs diff for Jul



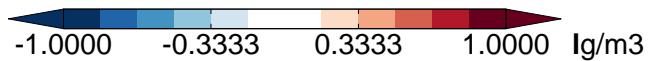
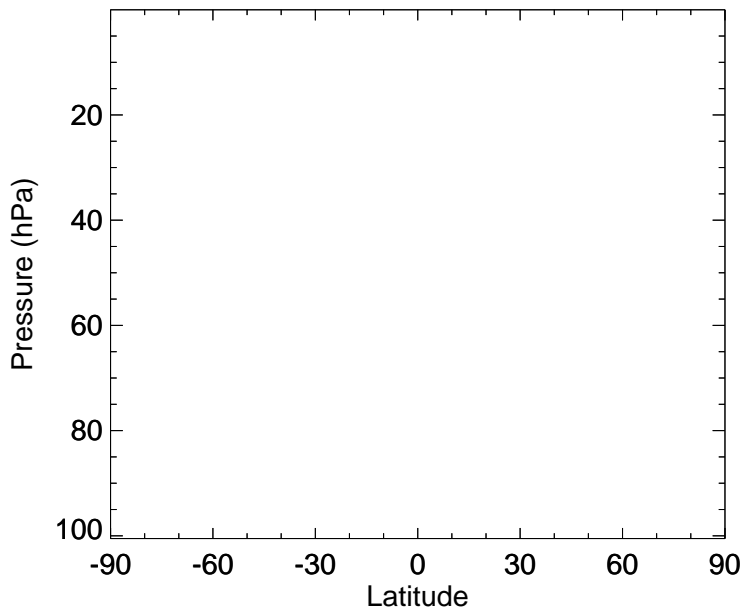
GC\_12.0.0 / v11-02f-Run1

SO4 - Strat zonal mean % diff for Jul



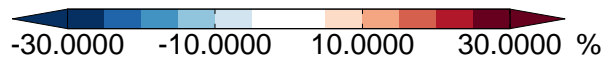
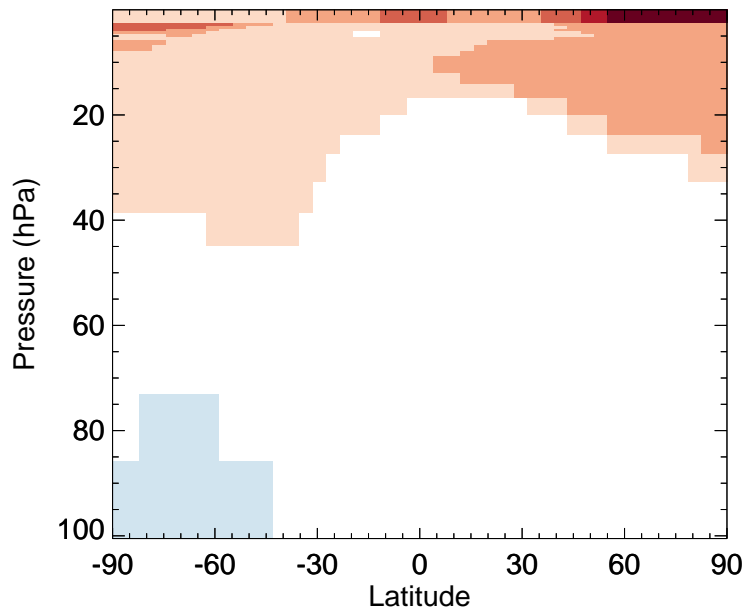
GC\_12.0.0 - v11-02e-Run1

SO4 - Strat zonal mean abs diff for Jul



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

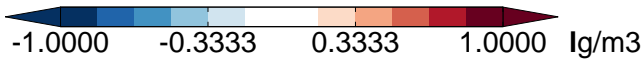
SO4 - Strat zonal mean % diff for Jul



# GEOS-Chem Stratospheric Zonal Difference Maps

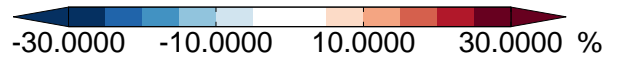
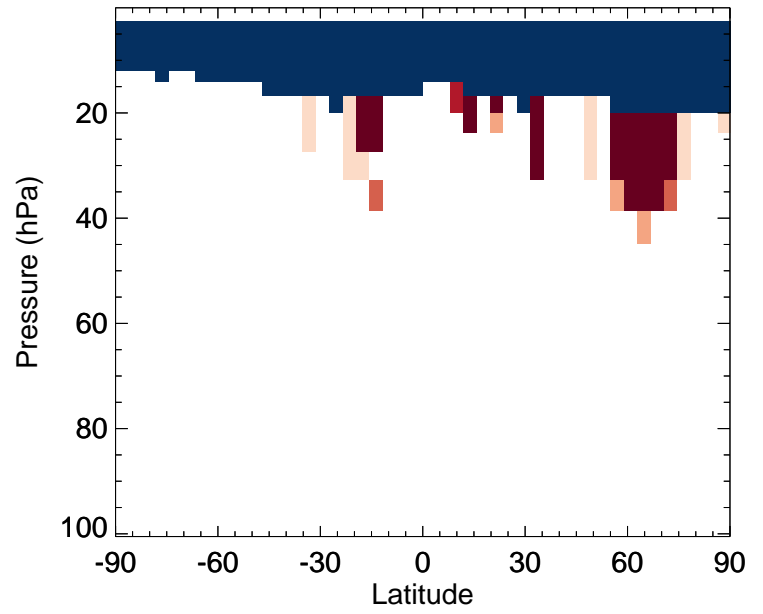
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SO4s - Strat zonal mean abs diff for Jul



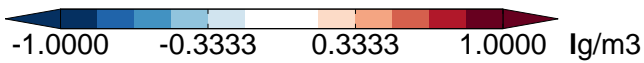
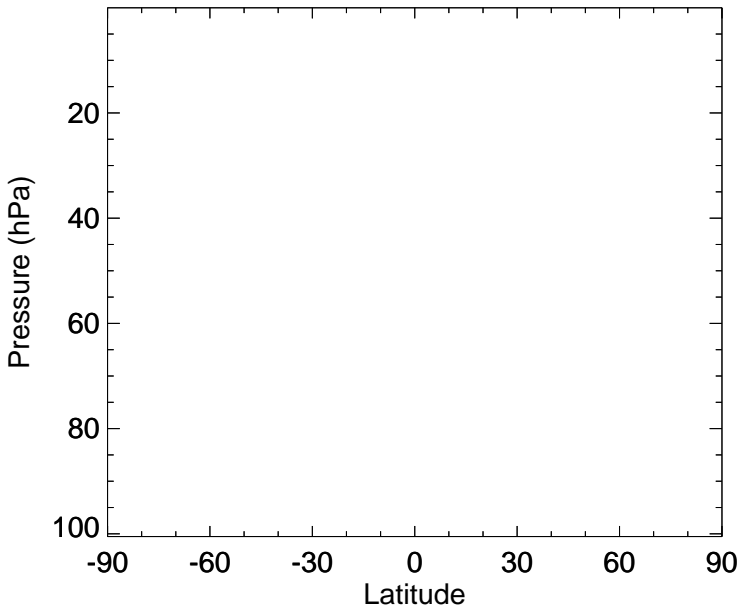
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SO4s - Strat zonal mean % diff for Jul



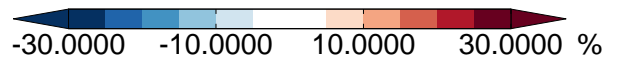
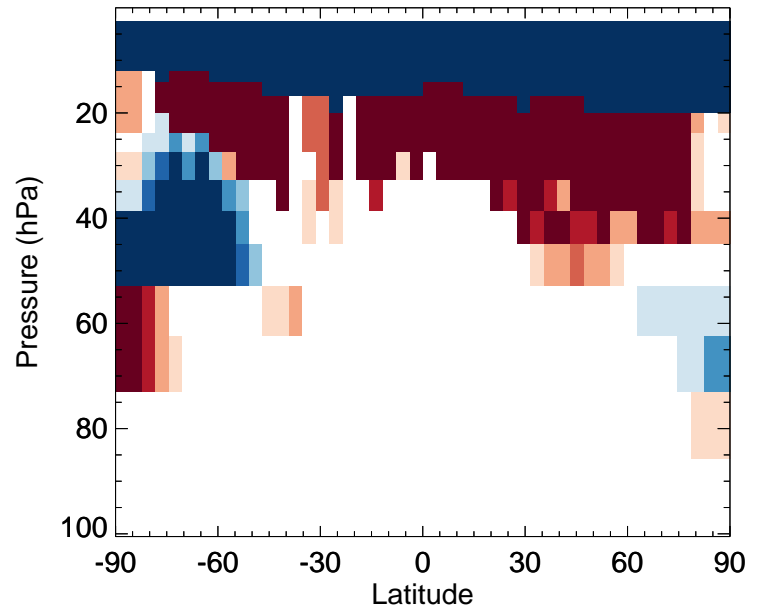
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SO4s - Strat zonal mean abs diff for Jul



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

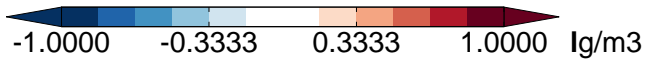
SO4s - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

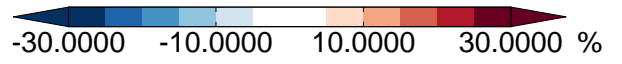
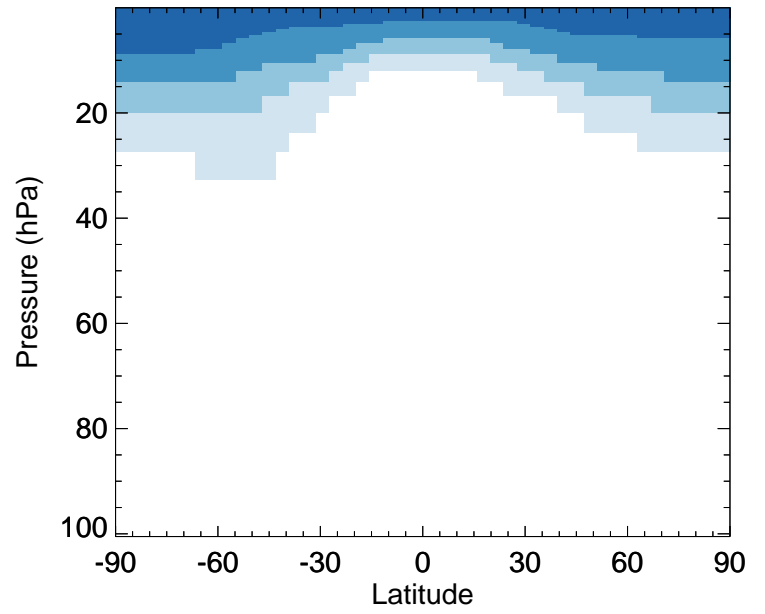
GC\_12.0.0 - v11-02f-Run1

MSA - Strat zonal mean abs diff for Jul



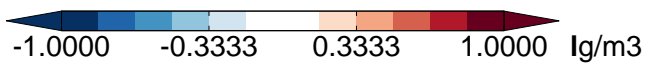
GC\_12.0.0 / v11-02f-Run1

MSA - Strat zonal mean % diff for Jul



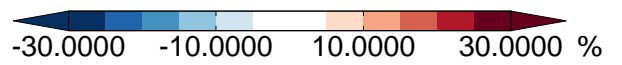
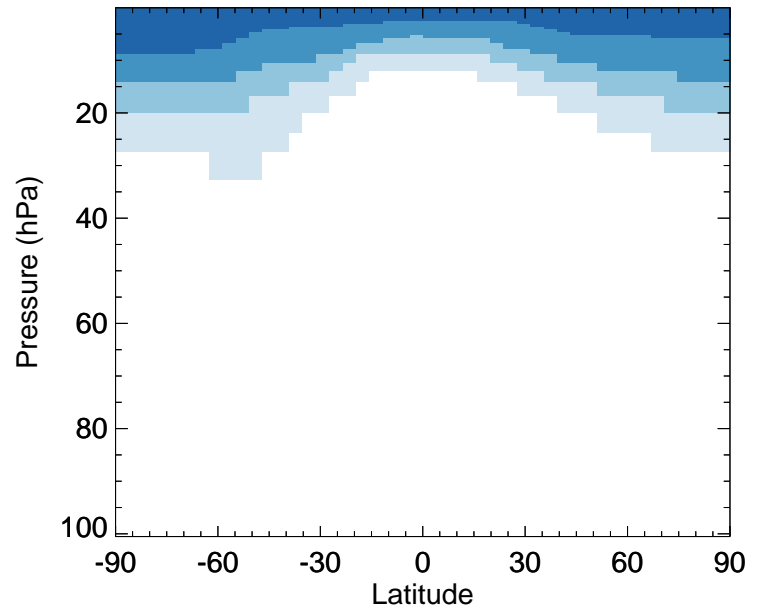
GC\_12.0.0 - v11-02e-Run1

MSA - Strat zonal mean abs diff for Jul



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

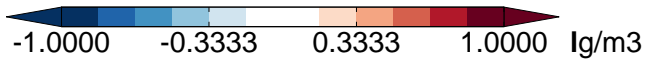
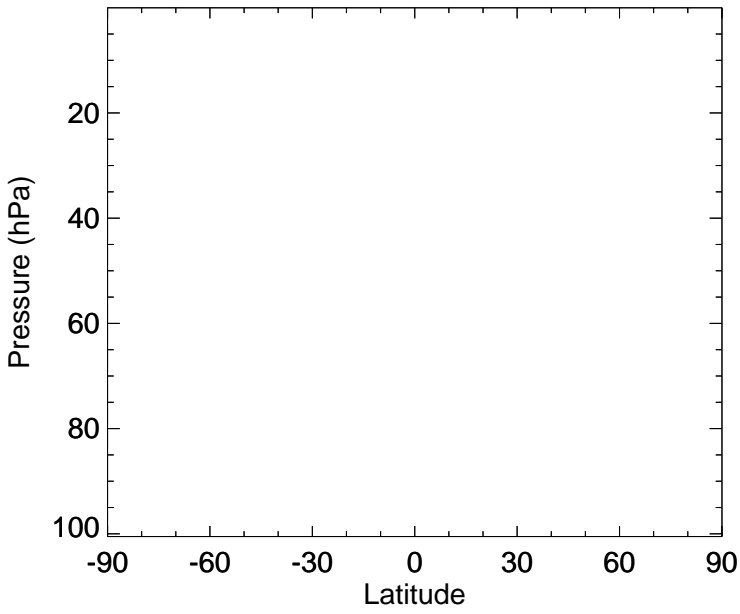
MSA - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

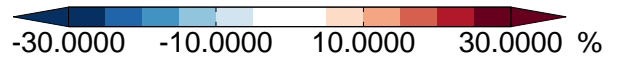
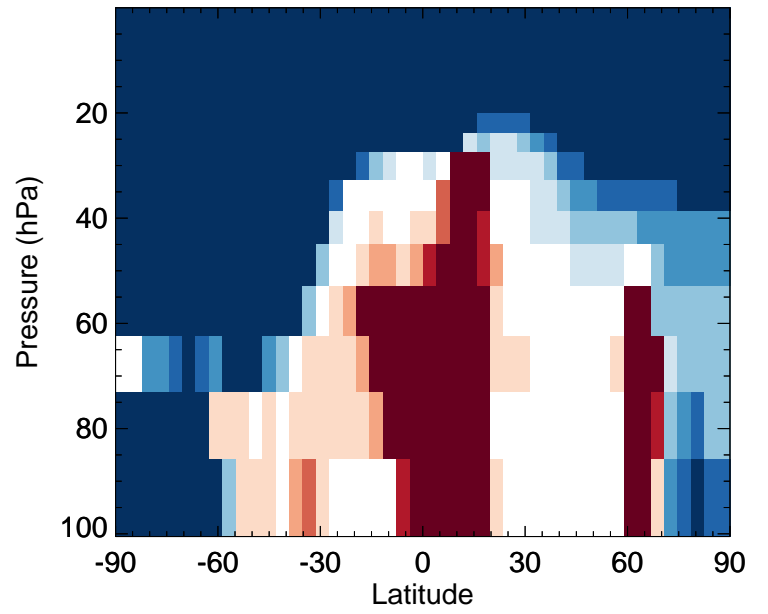
GC\_12.0.0 - v11-02f-Run1

NH3 - Strat zonal mean abs diff for Jul



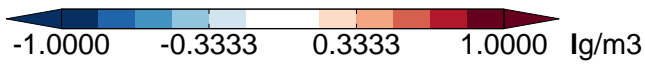
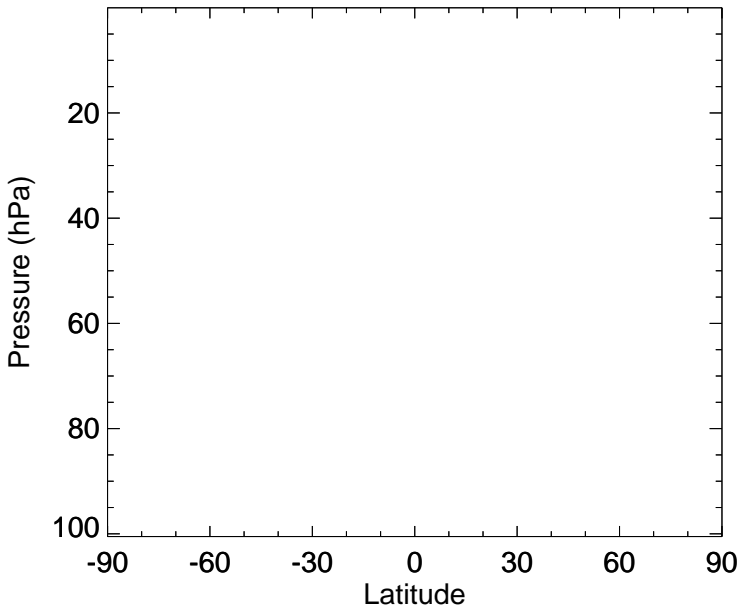
GC\_12.0.0 / v11-02f-Run1

NH3 - Strat zonal mean % diff for Jul



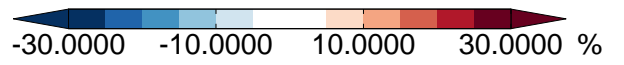
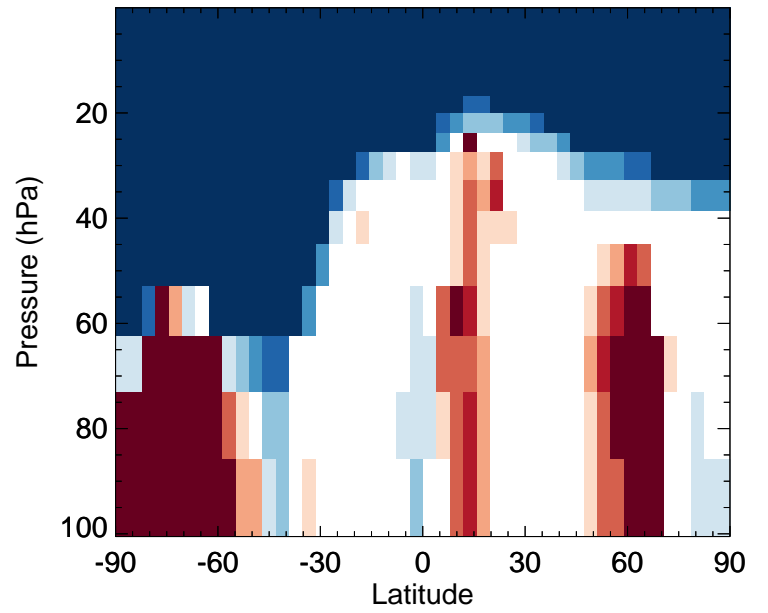
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NH3 - Strat zonal mean abs diff for Jul



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

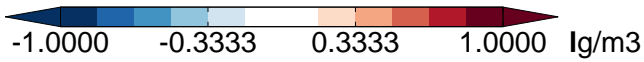
NH3 - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

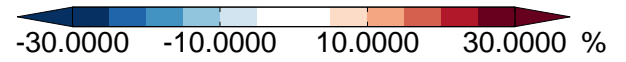
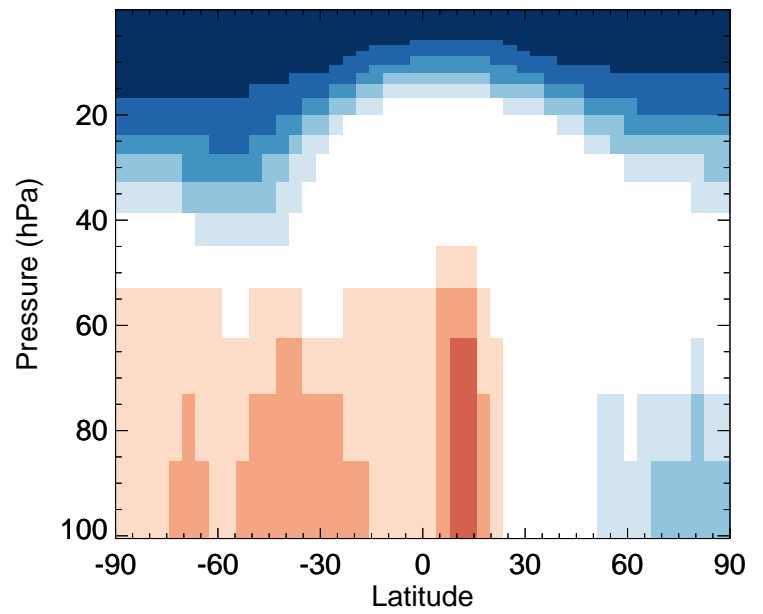
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NH4 - Strat zonal mean abs diff for Jul



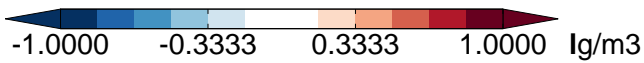
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NH4 - Strat zonal mean % diff for Jul



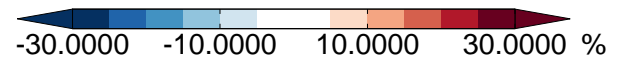
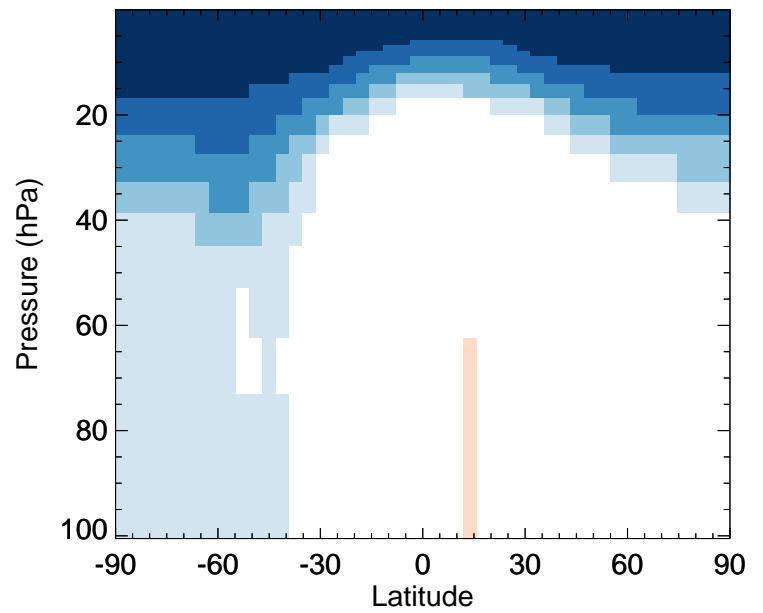
GC\_12.0.0 - v11-02e-Run1

NH4 - Strat zonal mean abs diff for Jul



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

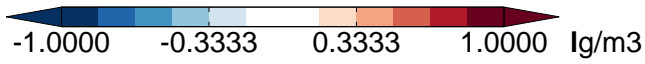
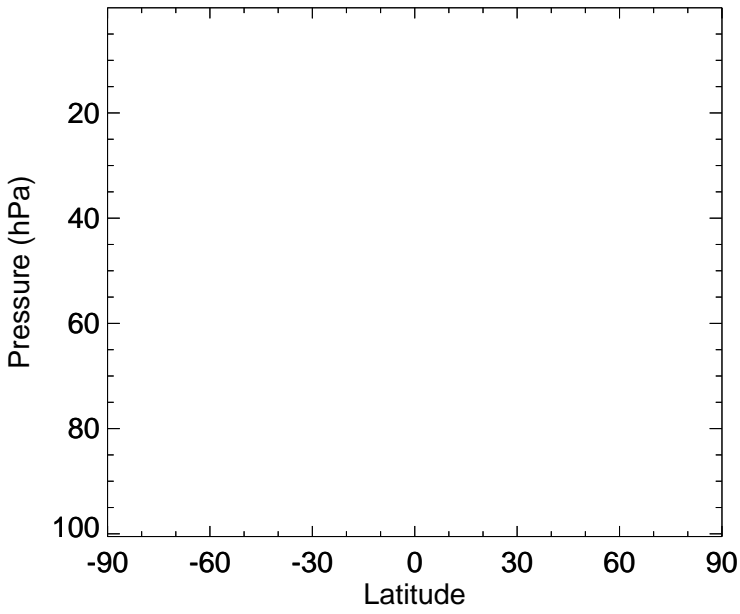
NH4 - Strat zonal mean % diff for Jul



# GEOS-Chem Stratospheric Zonal Difference Maps

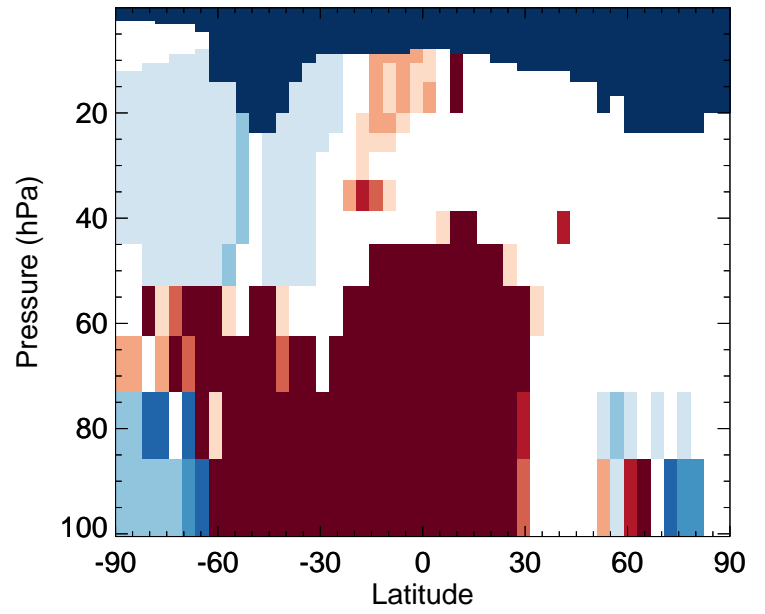
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NIT - Strat zonal mean abs diff for Jul



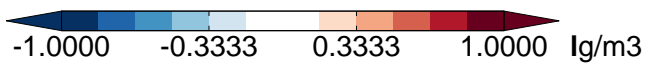
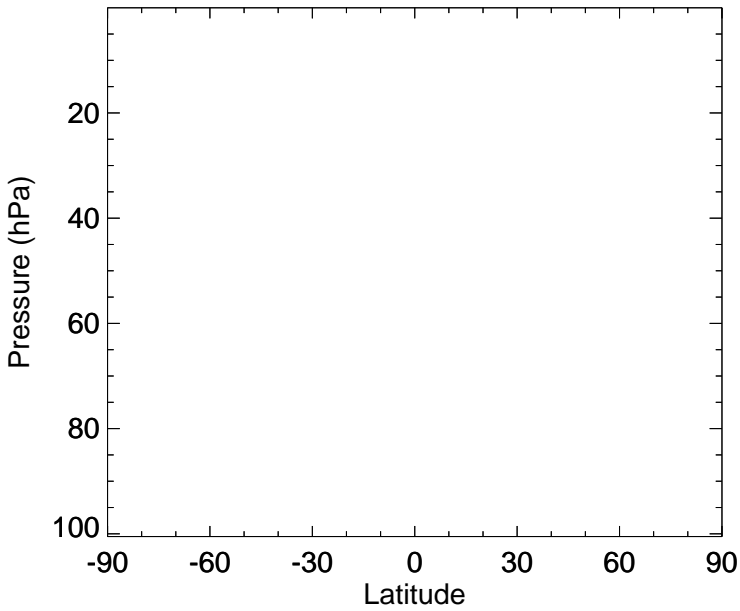
GC\_12.0.0 / v11-02f-Run1

NIT - Strat zonal mean % diff for Jul



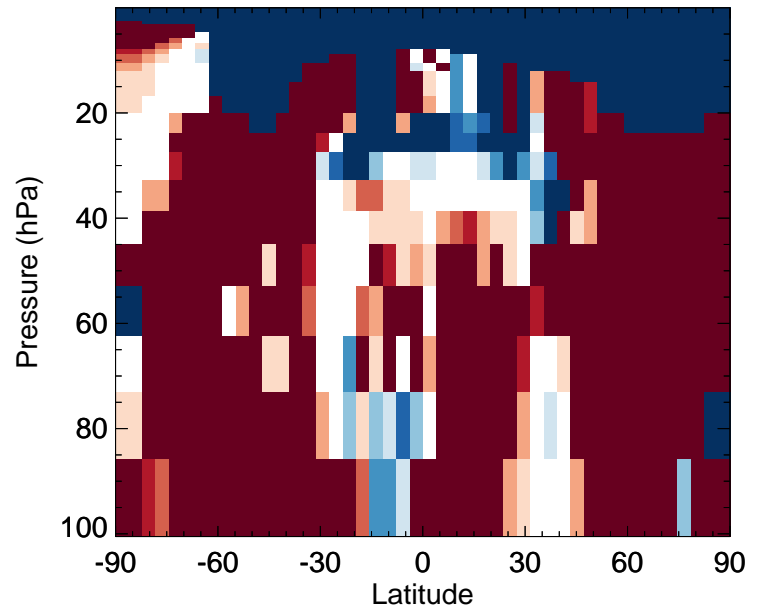
GC\_12.0.0 - v11-02e-Run1

NIT - Strat zonal mean abs diff for Jul



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

NIT - Strat zonal mean % diff for Jul

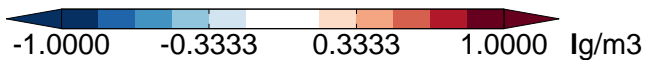
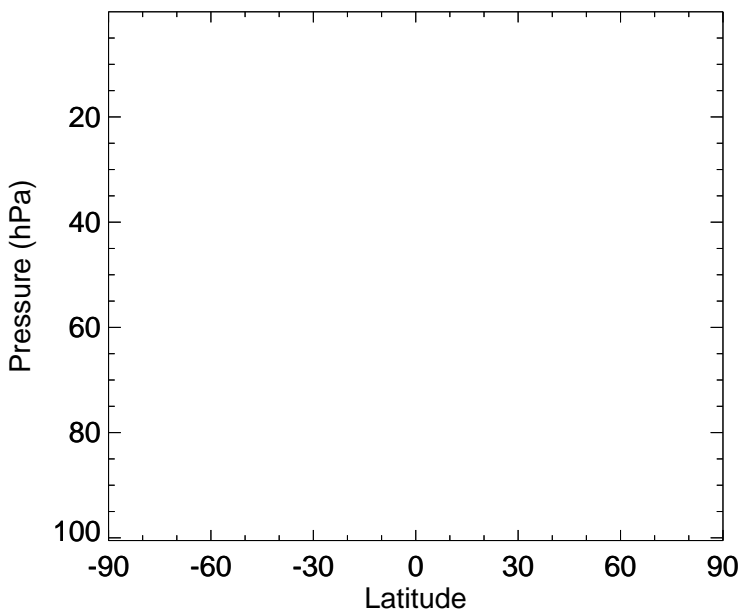




# GEOS-Chem Stratospheric Zonal Difference Maps

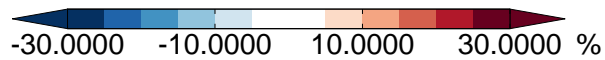
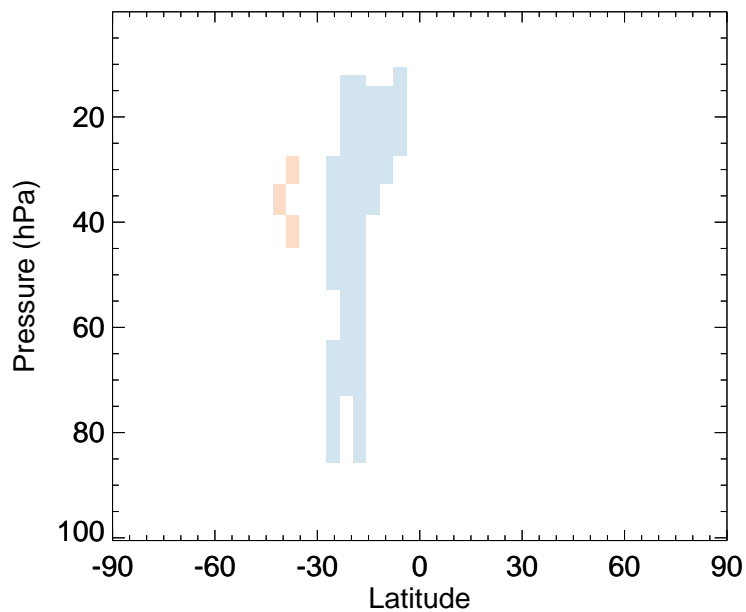
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NITs - Strat zonal mean abs diff for Jul



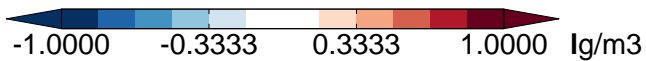
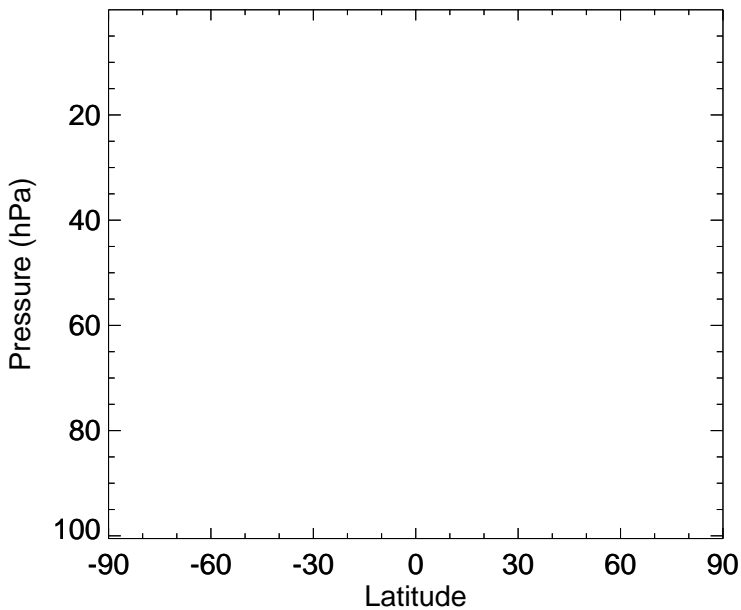
## GC\_12.0.0 / v11-02f-Run1

NITs - Strat zonal mean % diff for Jul



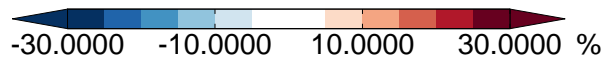
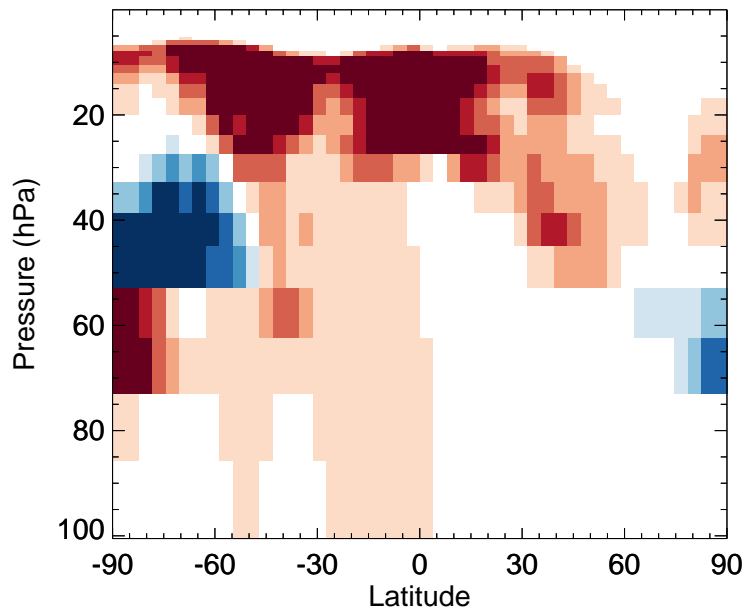
## GC\_12.0.0 - v11-02e-Run1

NITs - Strat zonal mean abs diff for Jul



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

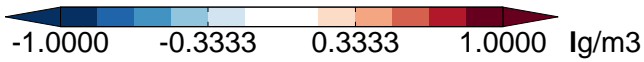
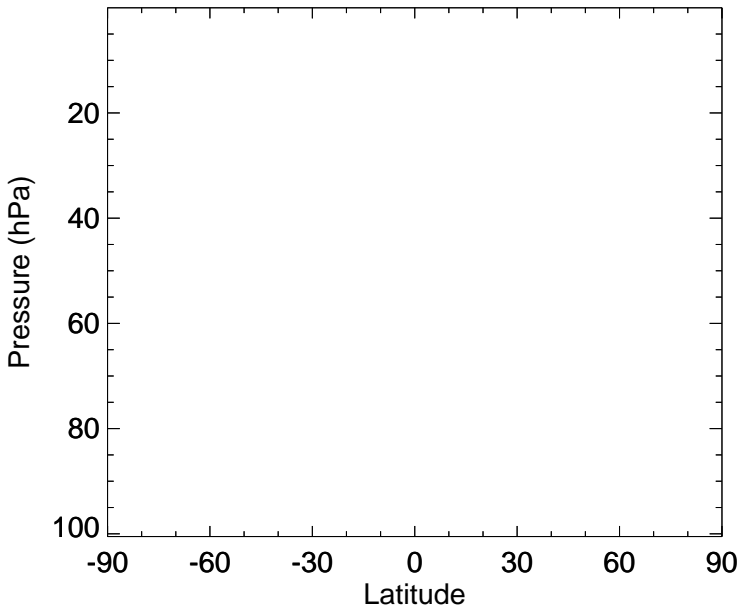
NITs - Strat zonal mean % diff for Jul



# GEOS-Chem Stratospheric Zonal Difference Maps

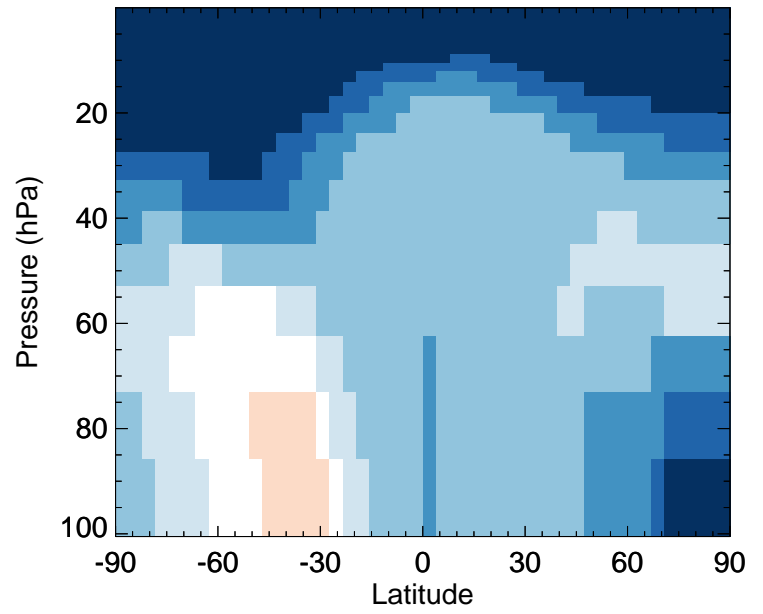
GC\_12.0.0 - v11-02f-Run1

BCPI - Strat zonal mean abs diff for Jul



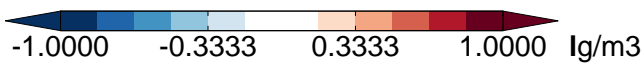
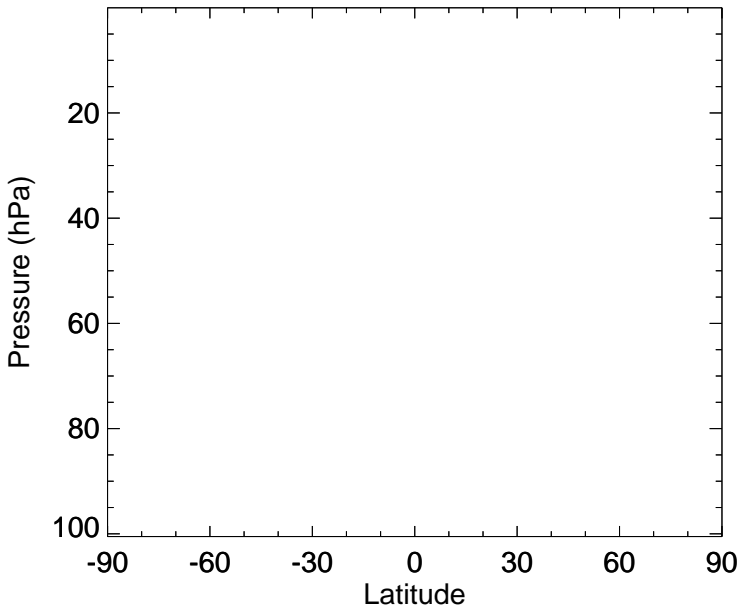
GC\_12.0.0 / v11-02f-Run1

BCPI - Strat zonal mean % diff for Jul



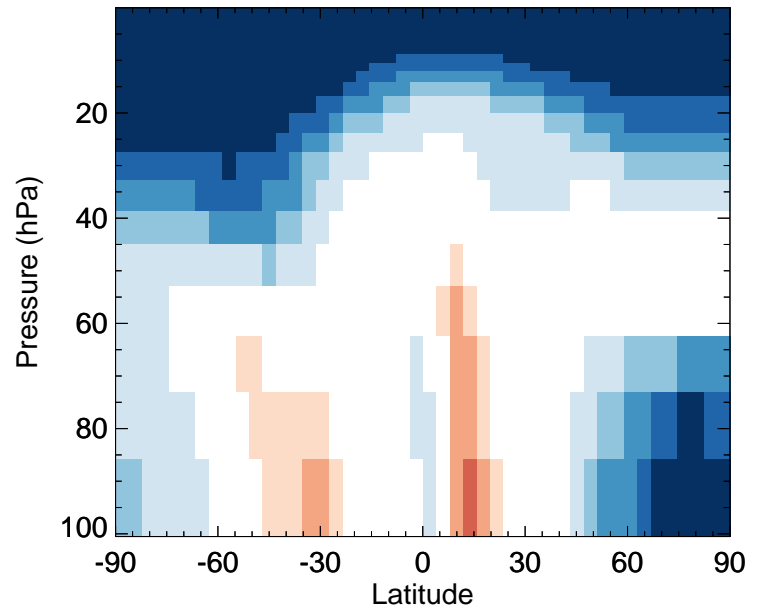
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BCPI - Strat zonal mean abs diff for Jul



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

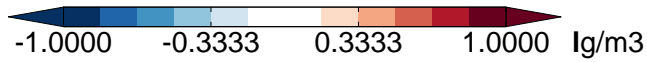
BCPI - Strat zonal mean % diff for Jul



# GEOS-Chem Stratospheric Zonal Difference Maps

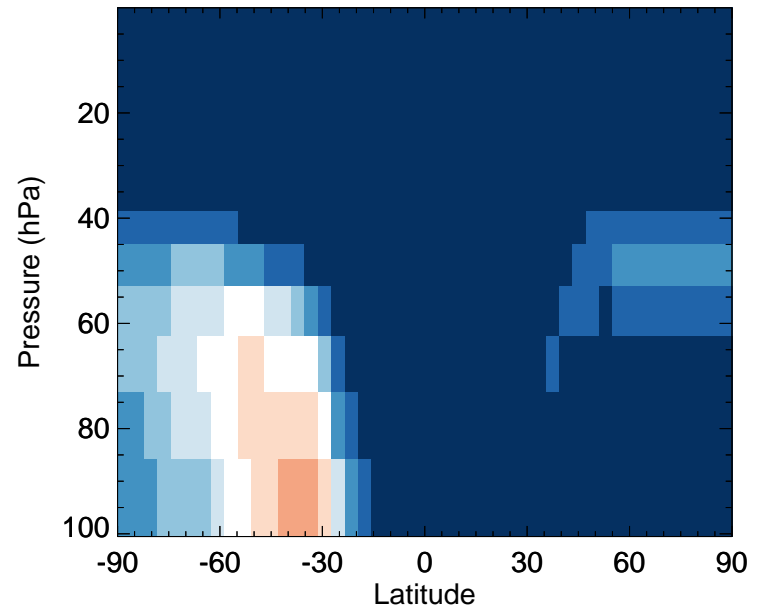
GC\_12.0.0 - v11-02f-Run1

OCPI - Strat zonal mean abs diff for Jul



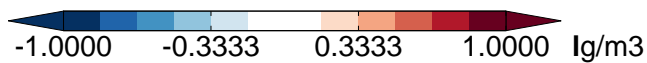
GC\_12.0.0 / v11-02f-Run1

OCPI - Strat zonal mean % diff for Jul



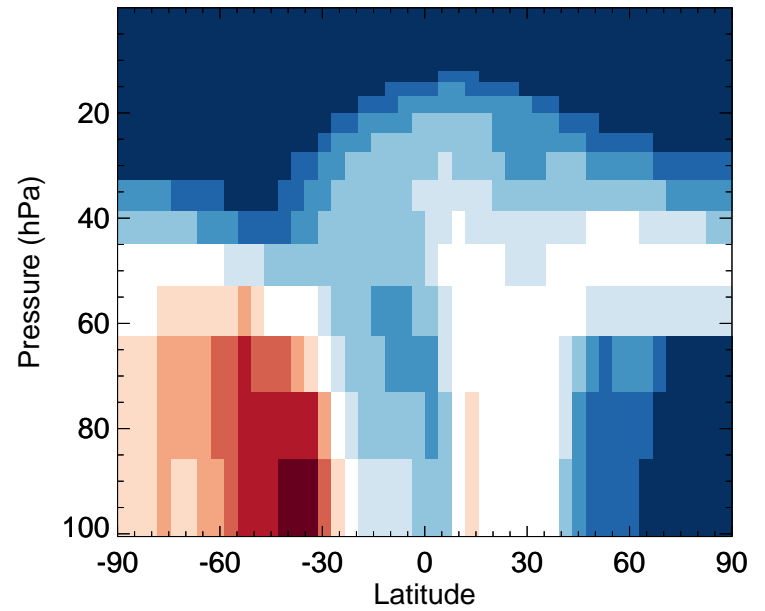
GC\_12.0.0 - v11-02e-Run1

OCPI - Strat zonal mean abs diff for Jul



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

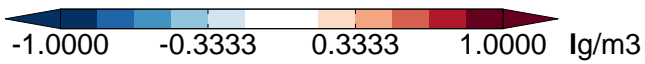
OCPI - Strat zonal mean % diff for Jul



# GEOS-Chem Stratospheric Zonal Difference Maps

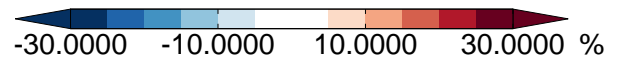
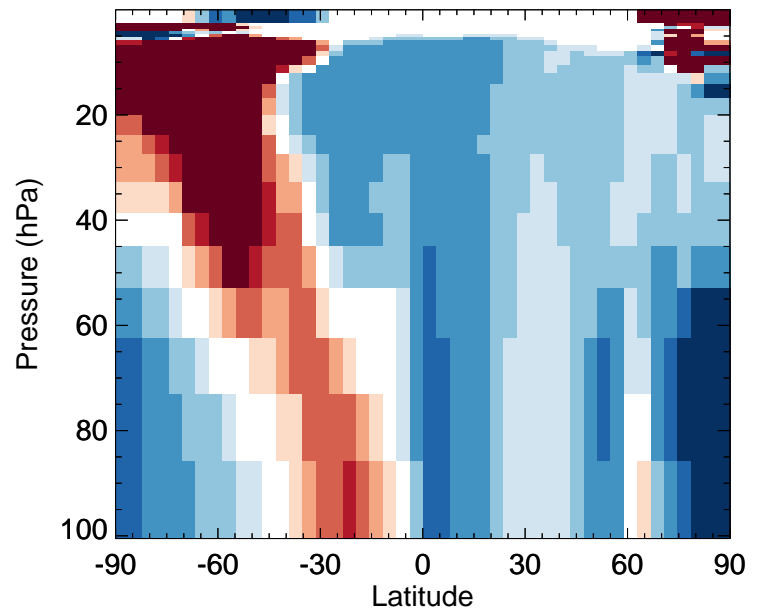
GC\_12.0.0 - v11-02f-Run1

BCPO - Strat zonal mean abs diff for Jul



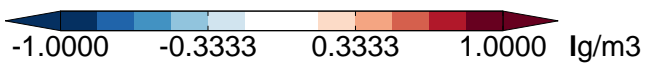
GC\_12.0.0 / v11-02f-Run1

BCPO - Strat zonal mean % diff for Jul



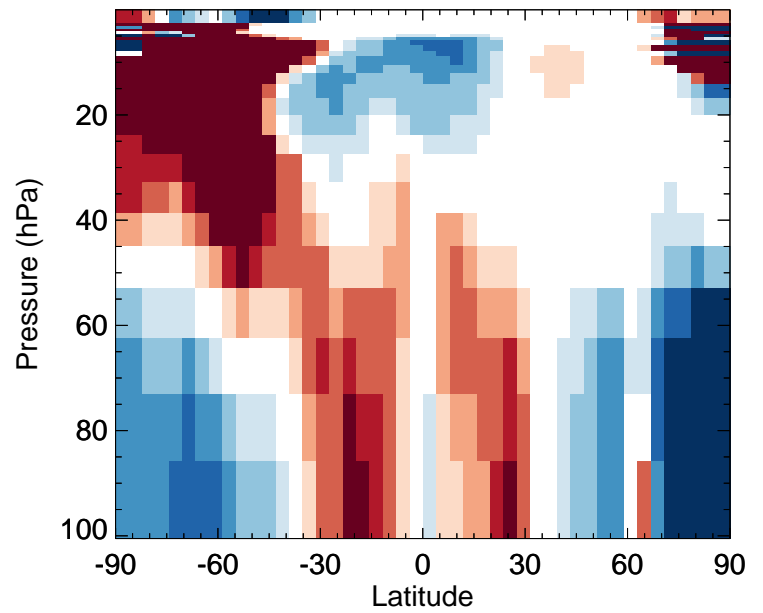
GC\_12.0.0 - v11-02e-Run1

BCPO - Strat zonal mean abs diff for Jul



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

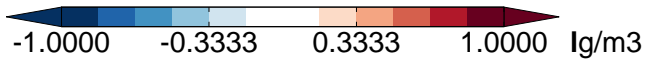
BCPO - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

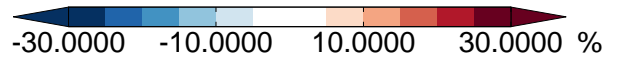
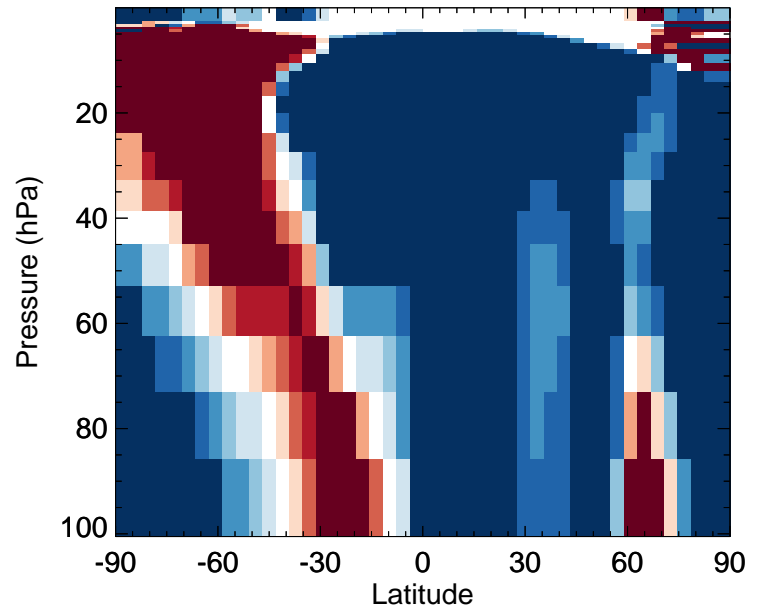
GC\_12.0.0 - v11-02f-Run1

OCPO - Strat zonal mean abs diff for Jul



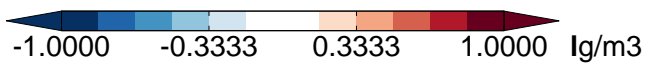
GC\_12.0.0 / v11-02f-Run1

OCPO - Strat zonal mean % diff for Jul



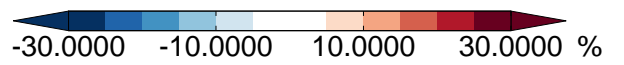
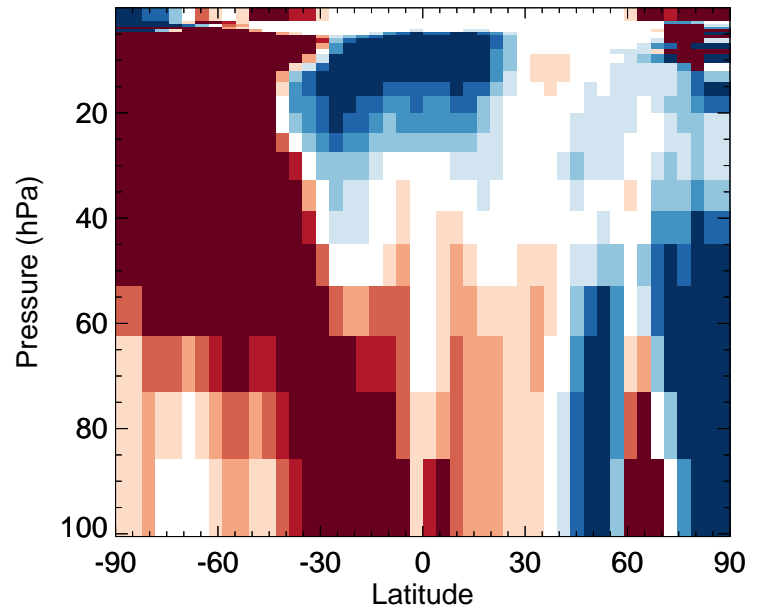
GC\_12.0.0 - v11-02e-Run1

OCPO - Strat zonal mean abs diff for Jul



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

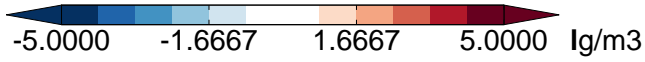
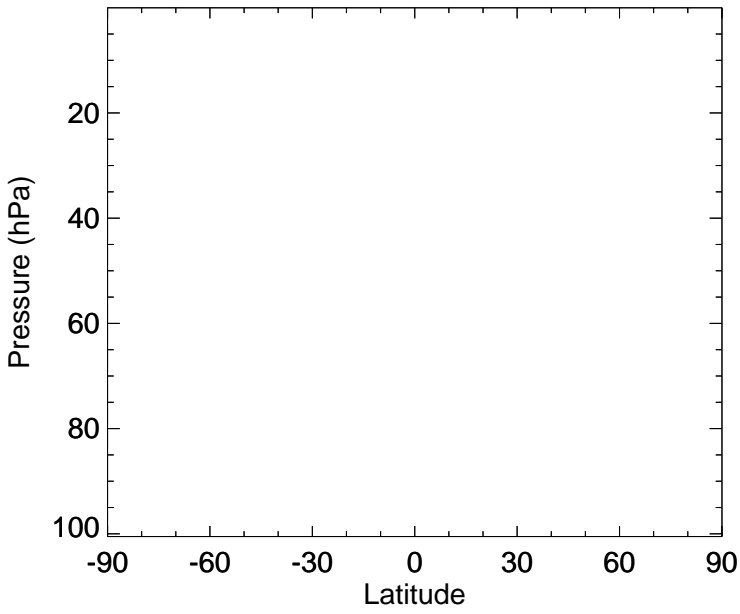
OCPO - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

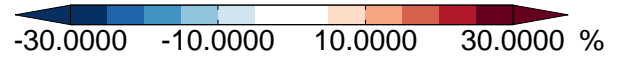
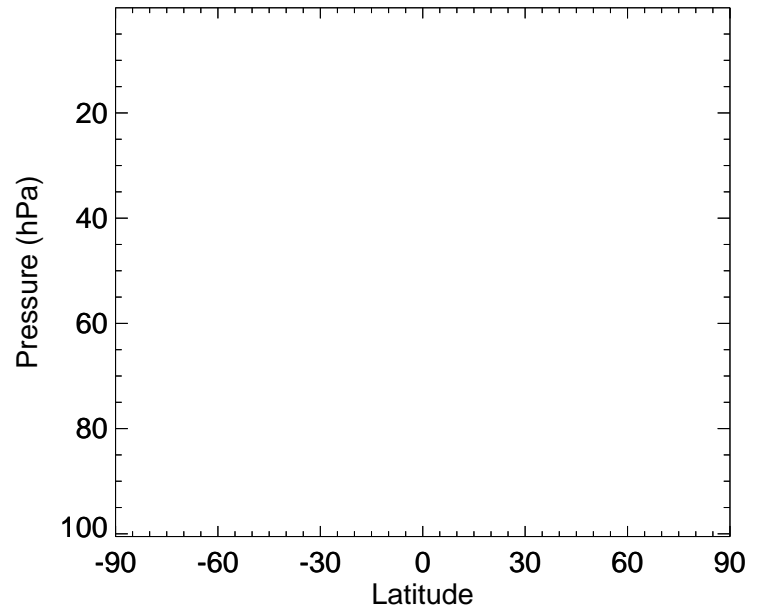
GC\_12.0.0 - v11-02f-Run1

DST1 - Strat zonal mean abs diff for Jul



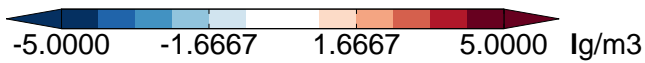
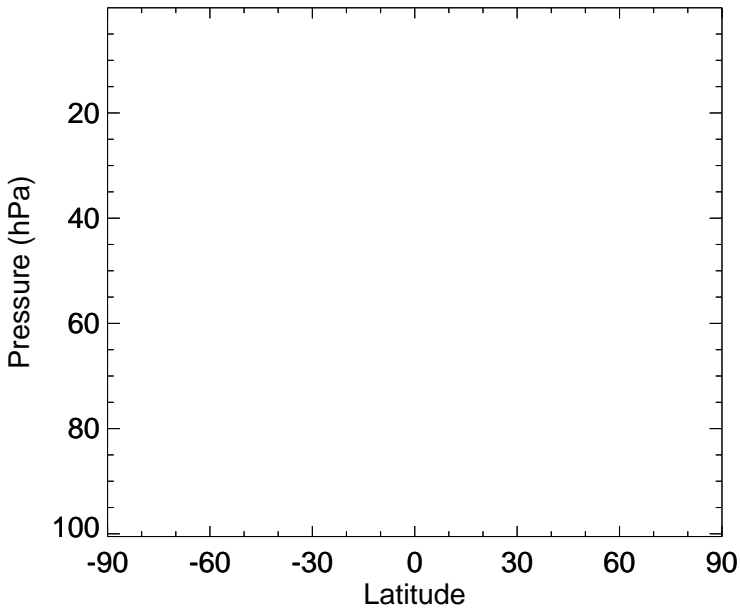
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DST1 - Strat zonal mean % diff for Jul



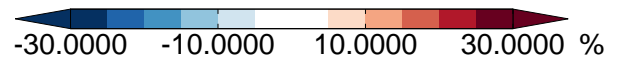
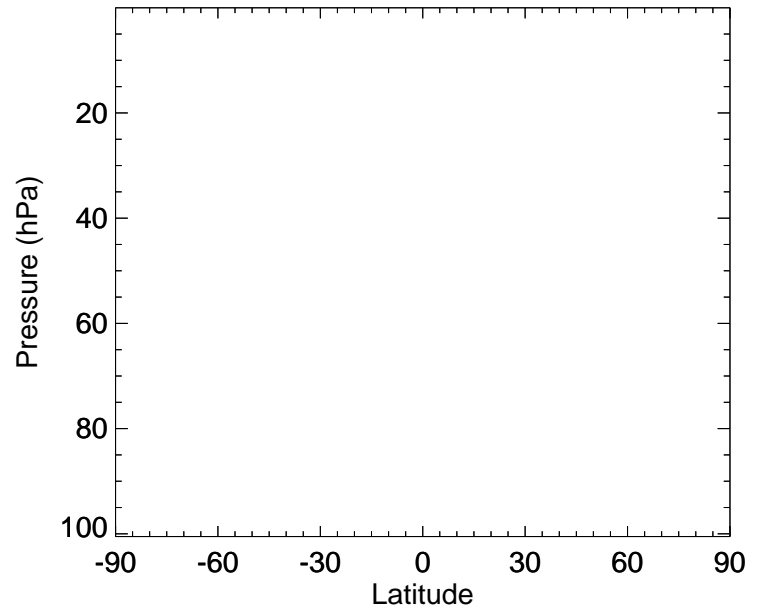
GC\_12.0.0 - v11-02e-Run1

DST1 - Strat zonal mean abs diff for Jul



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

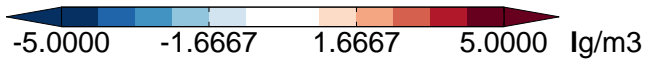
DST1 - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

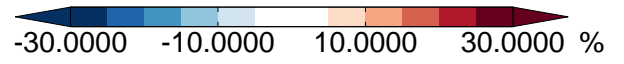
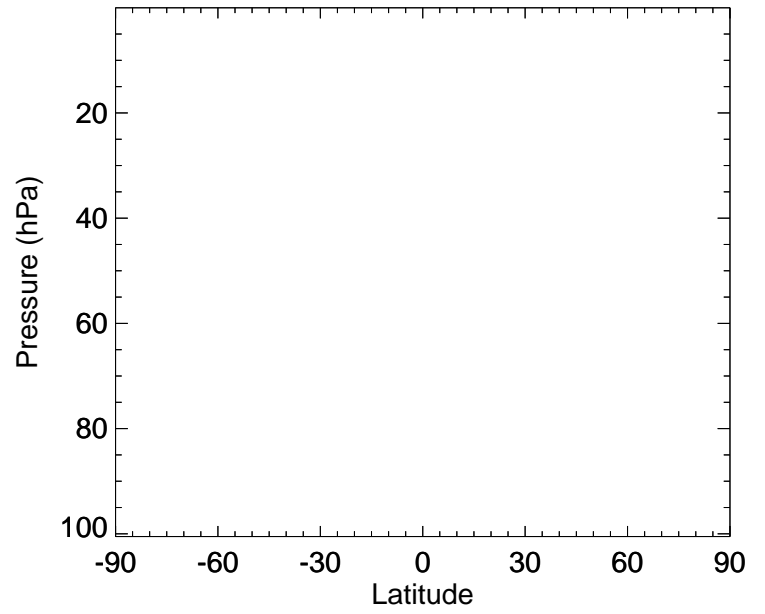
GC\_12.0.0 - v11-02f-Run1

DST2 - Strat zonal mean abs diff for Jul



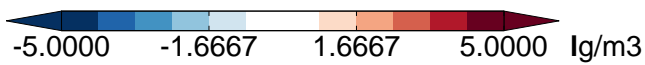
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DST2 - Strat zonal mean % diff for Jul



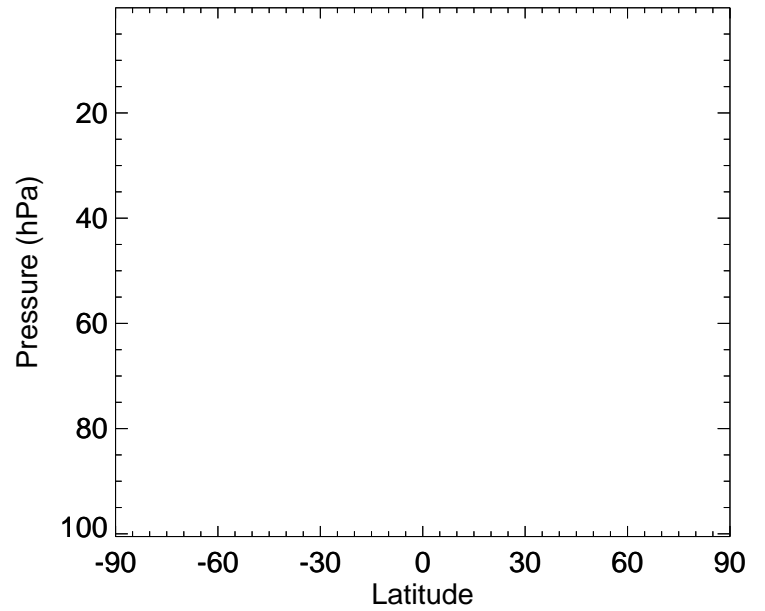
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DST2 - Strat zonal mean abs diff for Jul



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

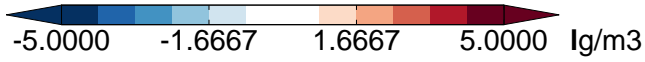
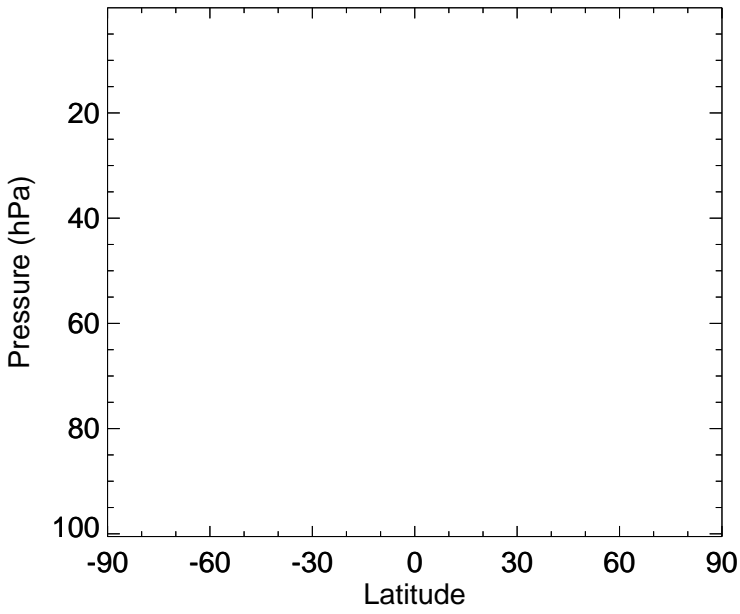
DST2 - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

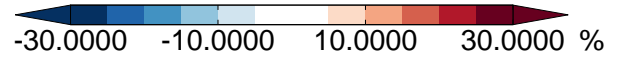
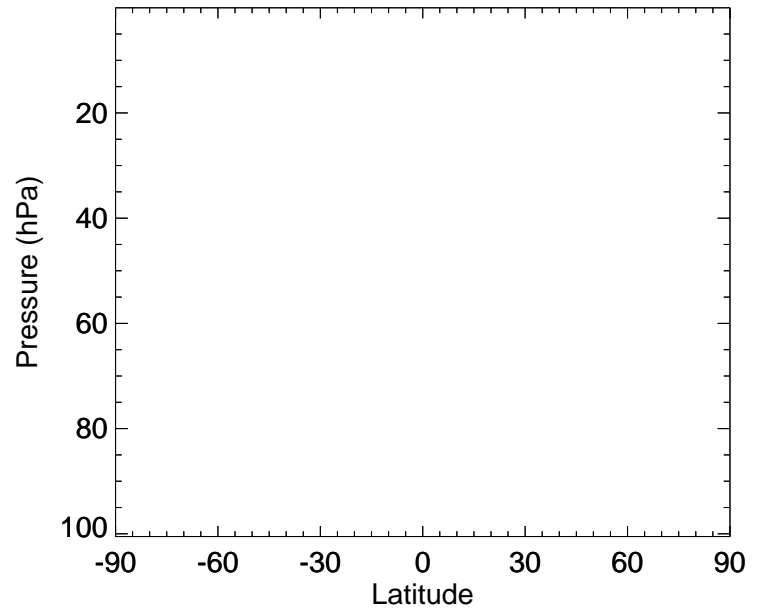
GC\_12.0.0 - v11-02f-Run1

DST3 - Strat zonal mean abs diff for Jul



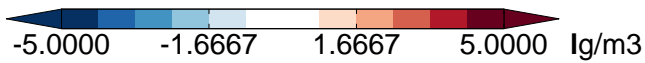
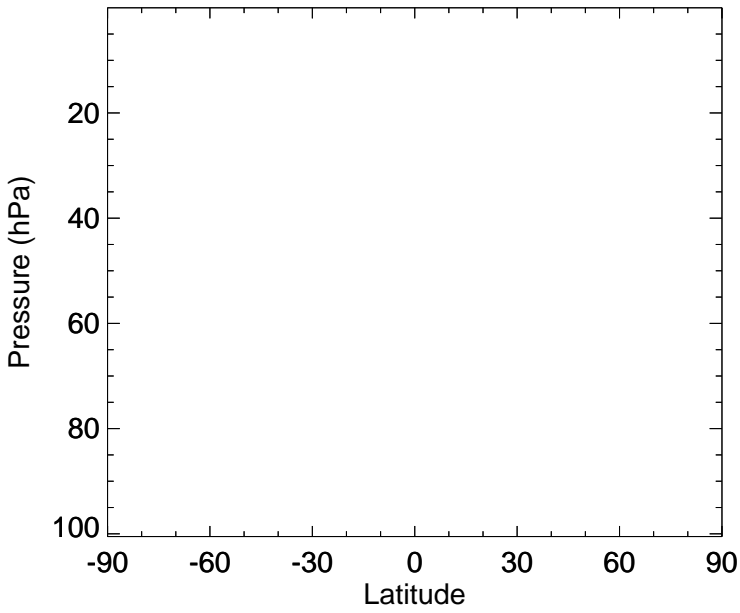
GC\_12.0.0 / v11-02f-Run1

DST3 - Strat zonal mean % diff for Jul



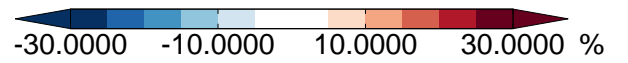
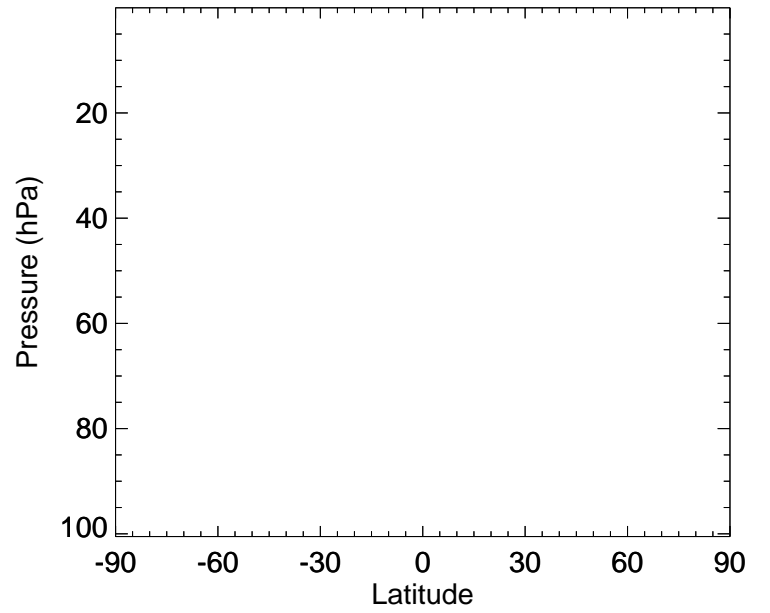
GC\_12.0.0 - v11-02e-Run1

DST3 - Strat zonal mean abs diff for Jul



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

DST3 - Strat zonal mean % diff for Jul

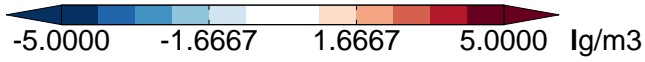




GEOS-Chem Stratospheric Zonal Difference Maps

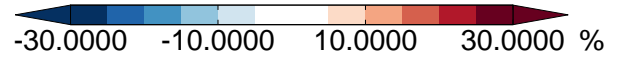
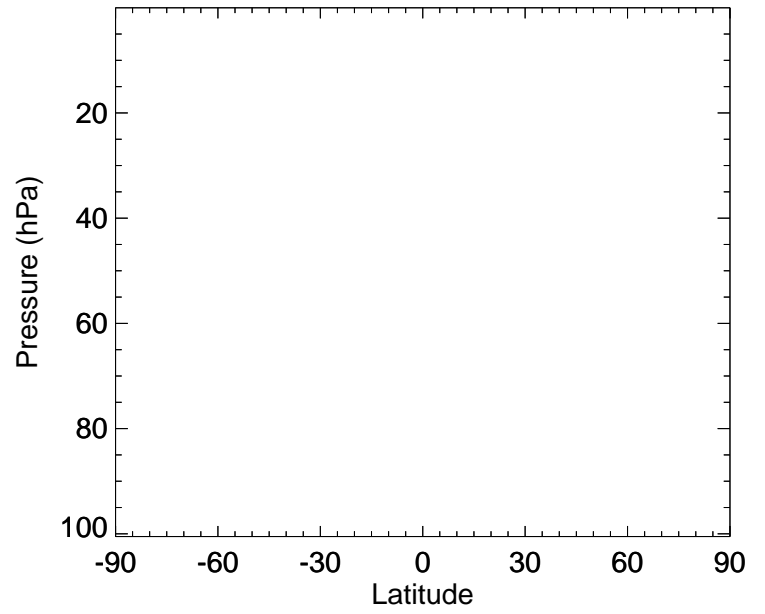
GC\_12.0.0 - v11-02f-Run1

DST4 - Strat zonal mean abs diff for Jul



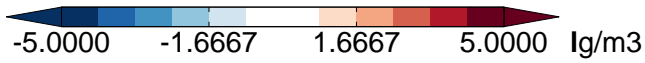
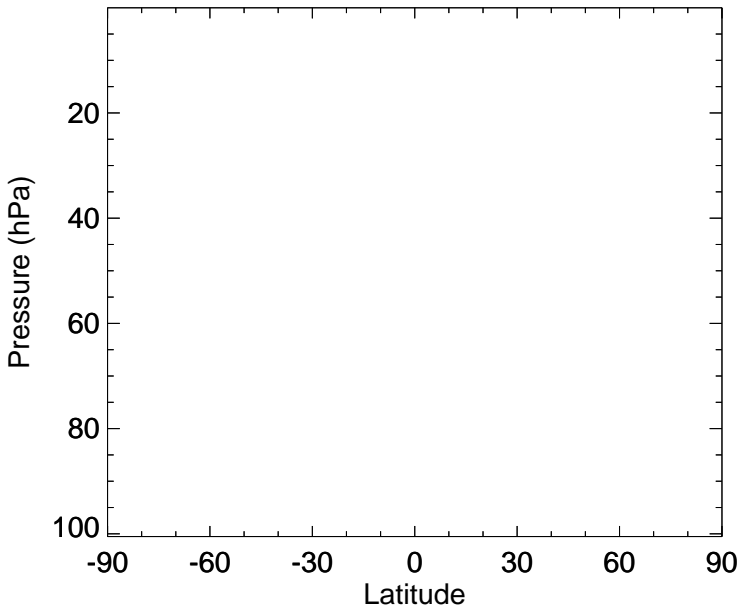
GC\_12.0.0 / v11-02f-Run1

DST4 - Strat zonal mean % diff for Jul



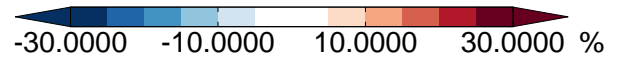
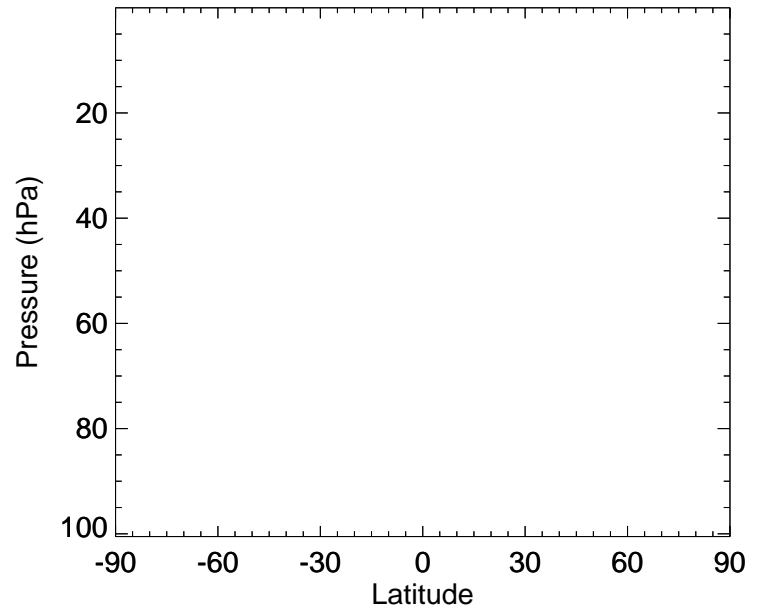
GC\_12.0.0 - v11-02e-Run1

DST4 - Strat zonal mean abs diff for Jul



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

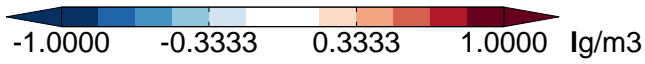
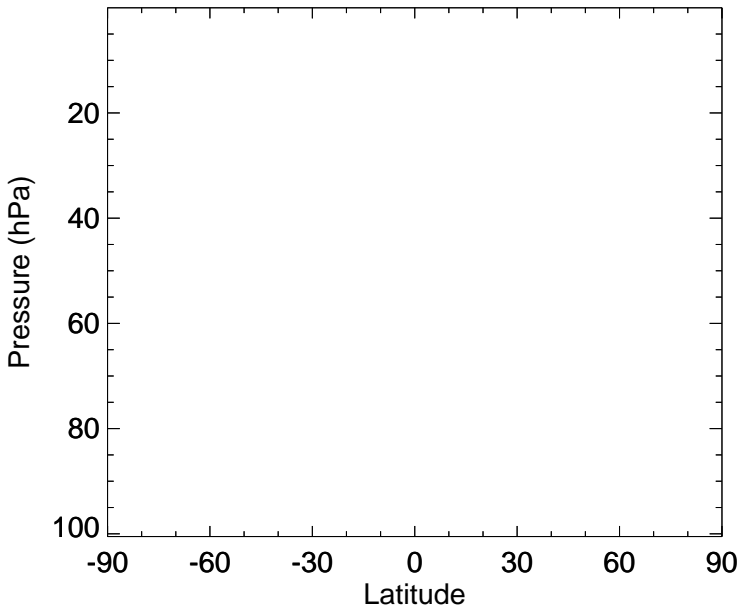
DST4 - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

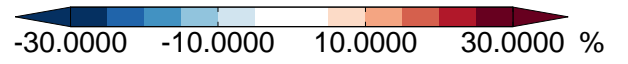
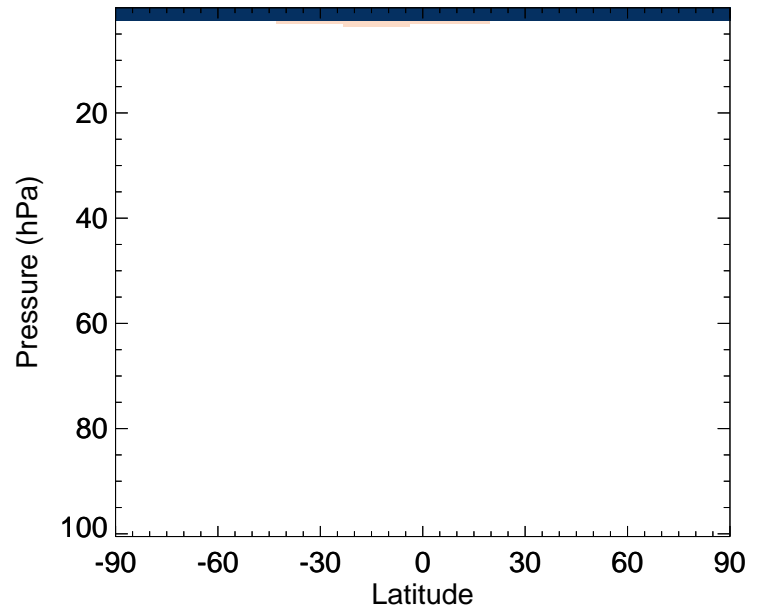
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SALA - Strat zonal mean abs diff for Jul



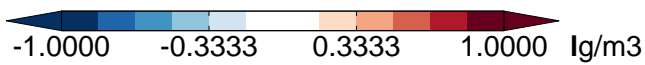
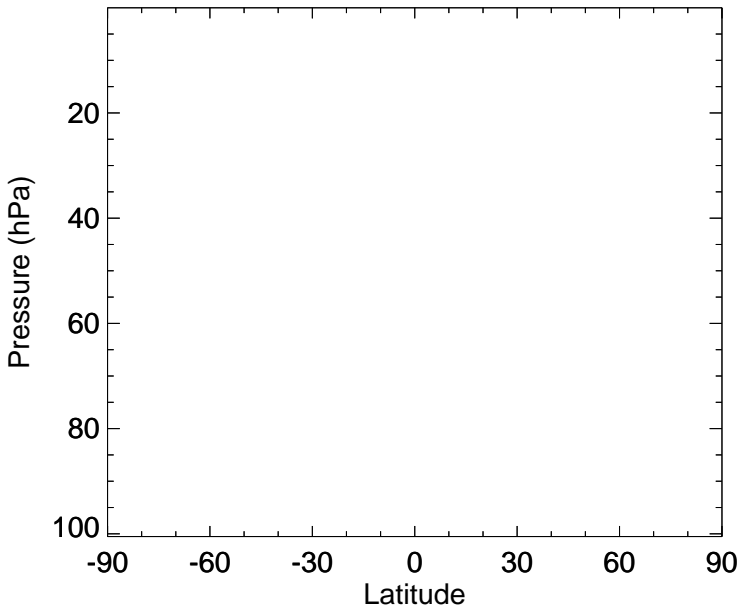
GC\_12.0.0 / v11-02f-Run1

SALA - Strat zonal mean % diff for Jul



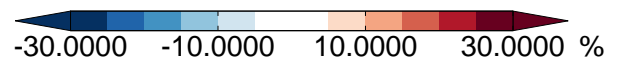
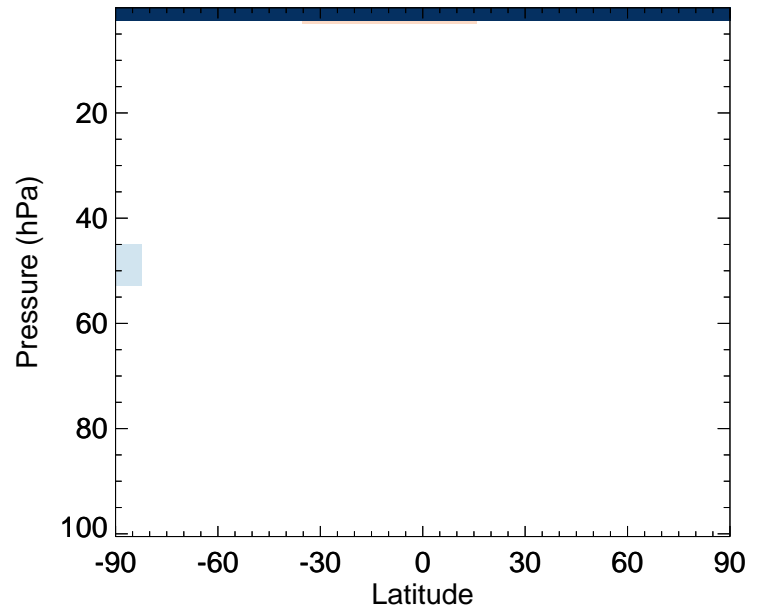
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SALA - Strat zonal mean abs diff for Jul



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

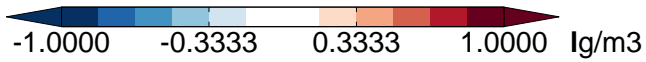
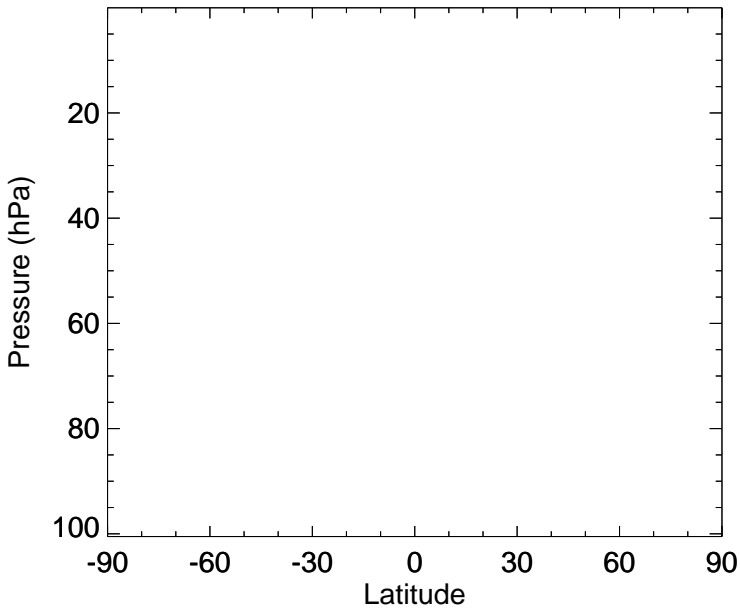
SALA - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

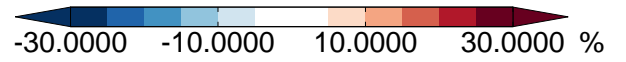
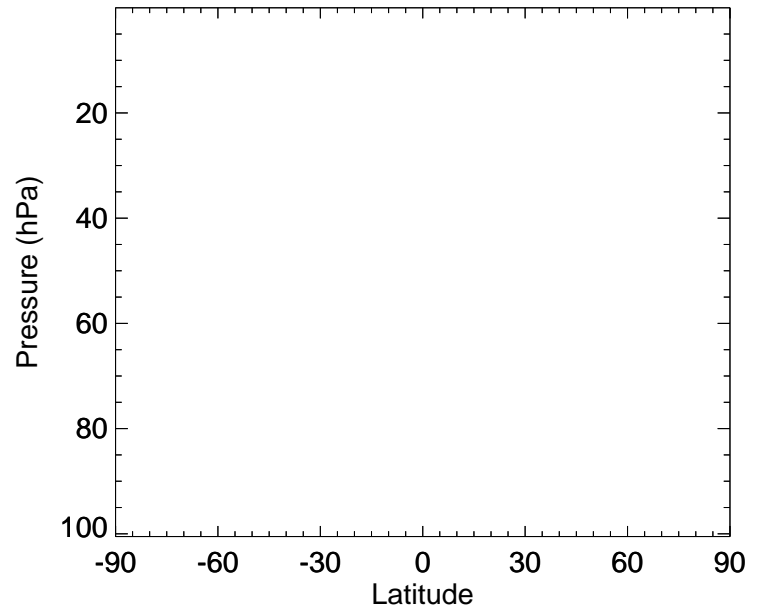
GC\_12.0.0 - v11-02f-Run1

SALC - Strat zonal mean abs diff for Jul



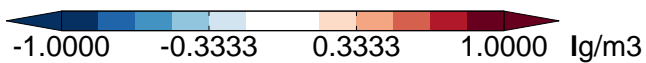
GC\_12.0.0 / v11-02f-Run1

SALC - Strat zonal mean % diff for Jul



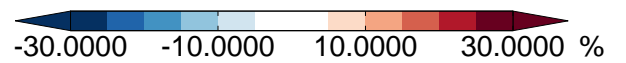
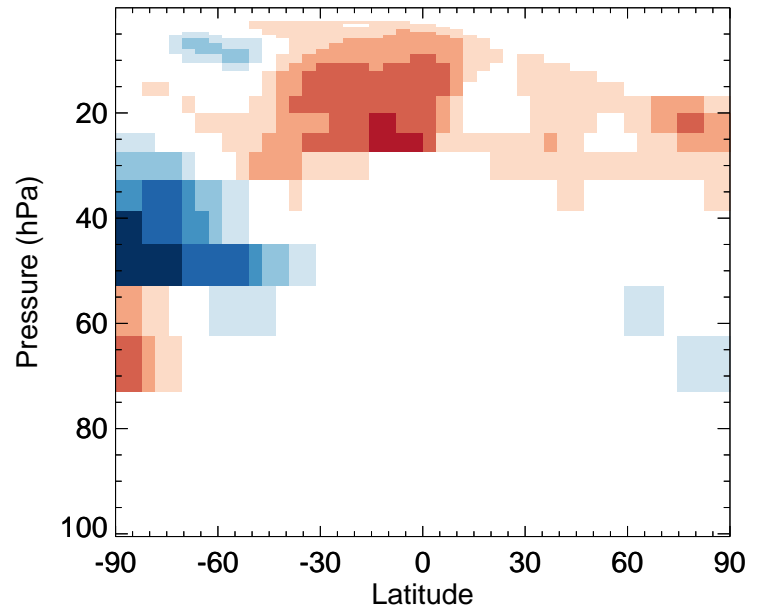
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SALC - Strat zonal mean abs diff for Jul



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

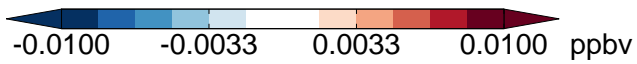
SALC - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

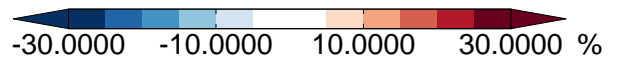
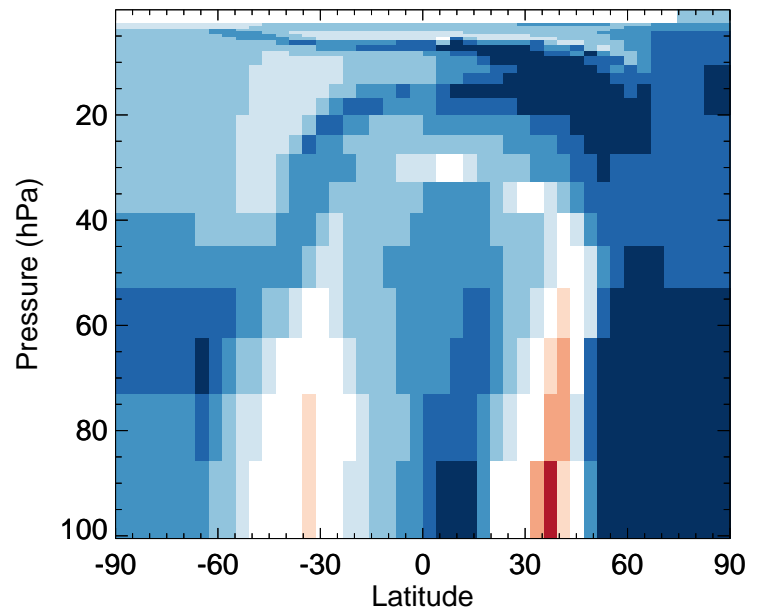
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Br2 - Strat zonal mean abs diff for Jul



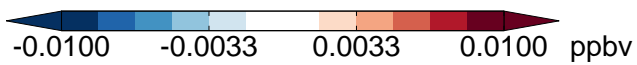
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Br2 - Strat zonal mean % diff for Jul



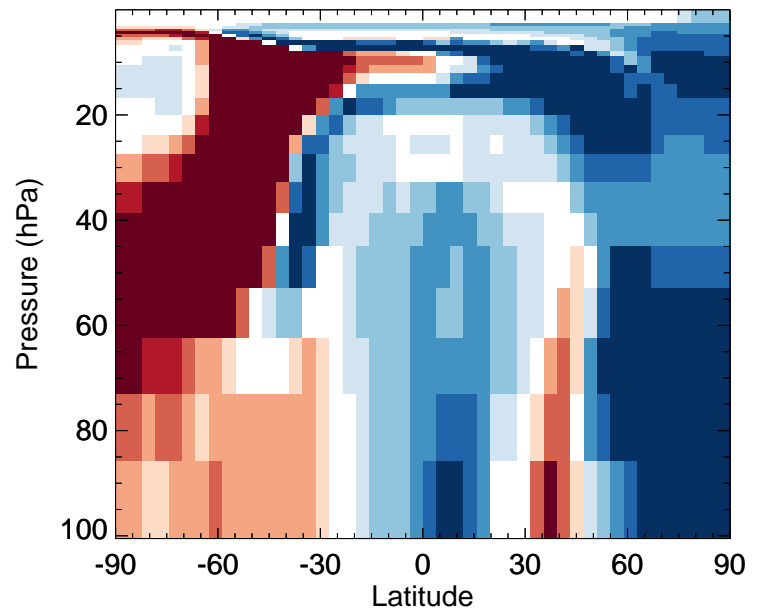
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Br2 - Strat zonal mean abs diff for Jul



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

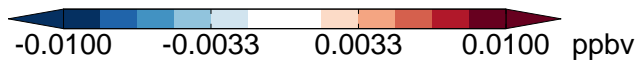
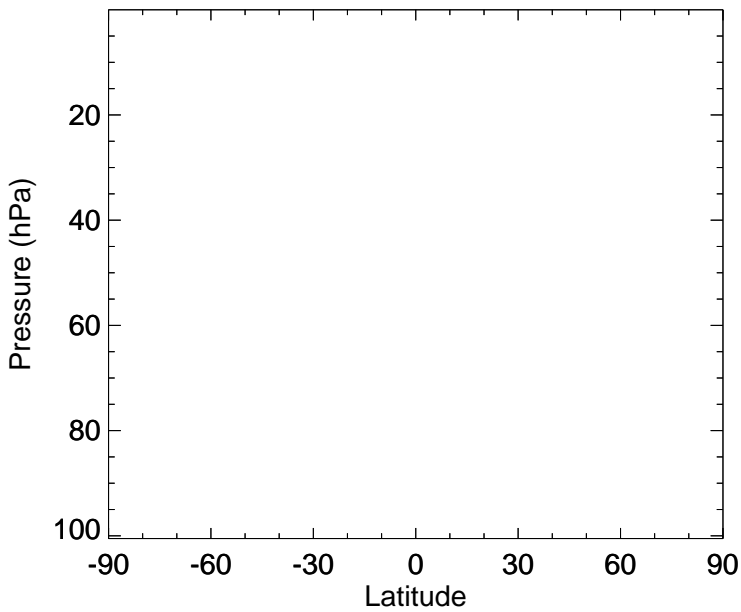
Br2 - Strat zonal mean % diff for Jul



# GEOS-Chem Stratospheric Zonal Difference Maps

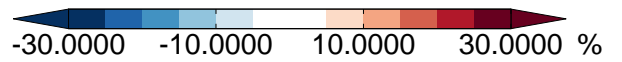
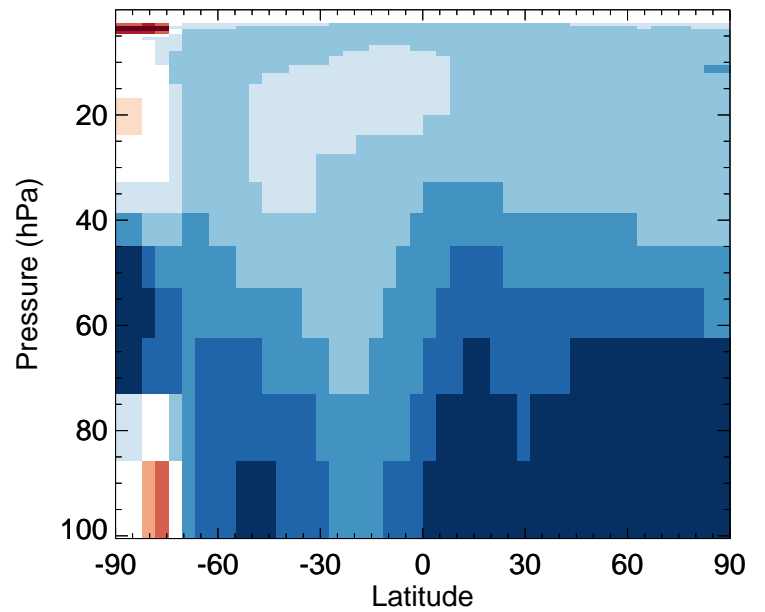
GC\_12.0.0 - v11-02f-Run1

Br - Strat zonal mean abs diff for Jul



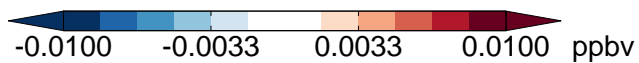
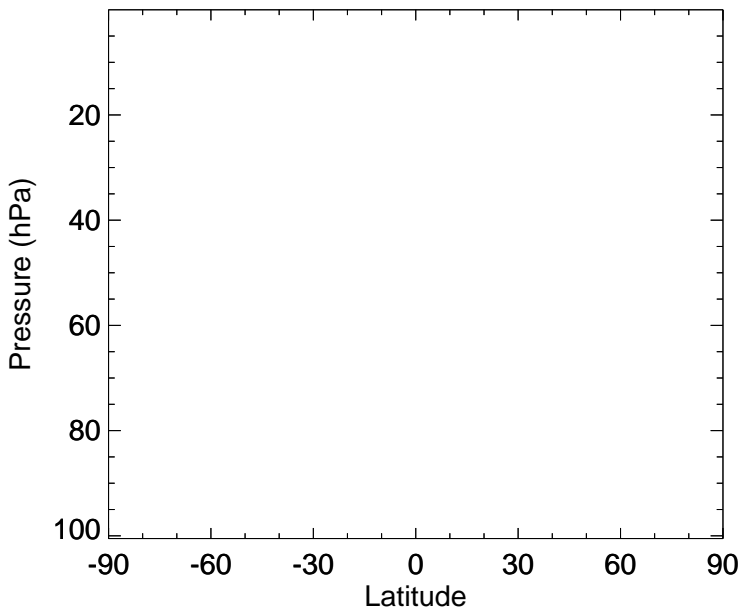
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Br - Strat zonal mean % diff for Jul



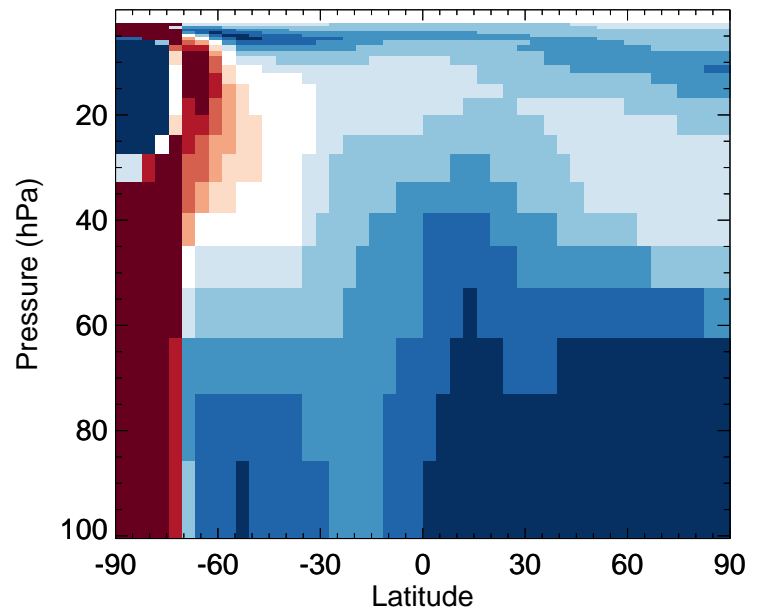
GC\_12.0.0 - v11-02e-Run1

Br - Strat zonal mean abs diff for Jul



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

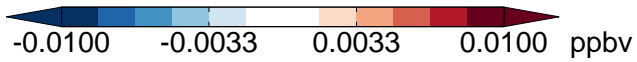
Br - Strat zonal mean % diff for Jul



# GEOS-Chem Stratospheric Zonal Difference Maps

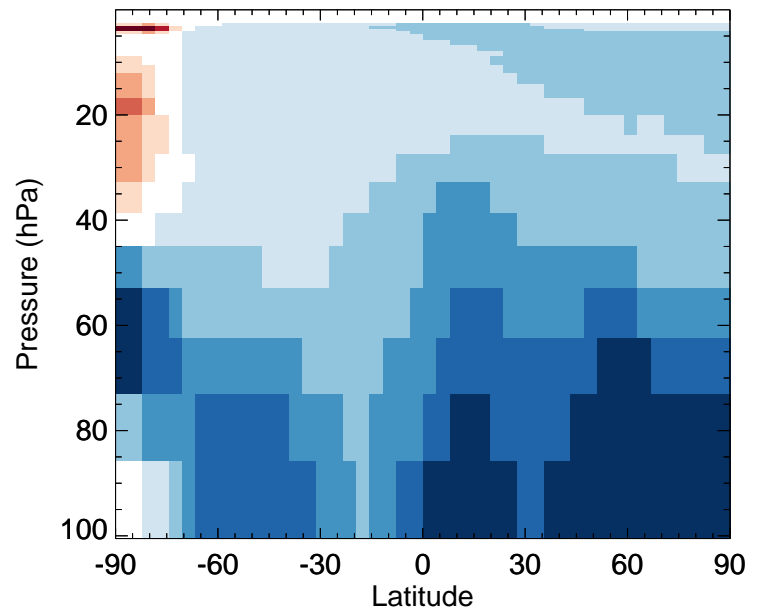
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BrO - Strat zonal mean abs diff for Jul



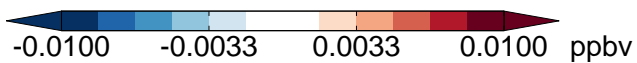
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BrO - Strat zonal mean % diff for Jul



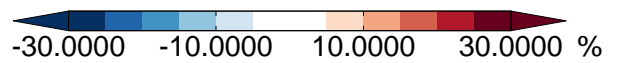
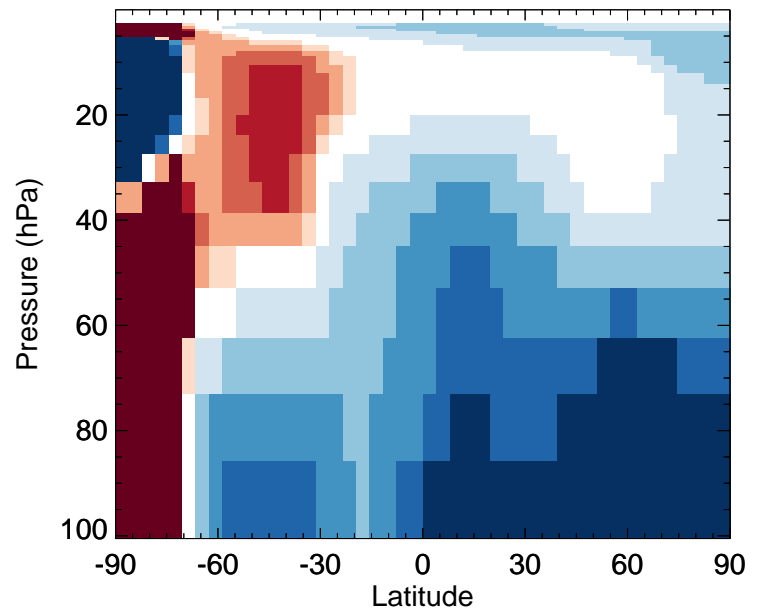
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BrO - Strat zonal mean abs diff for Jul



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

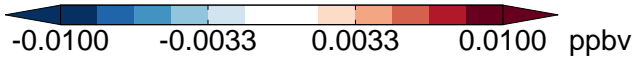
BrO - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

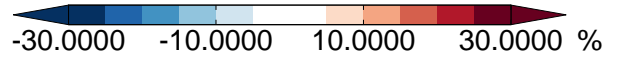
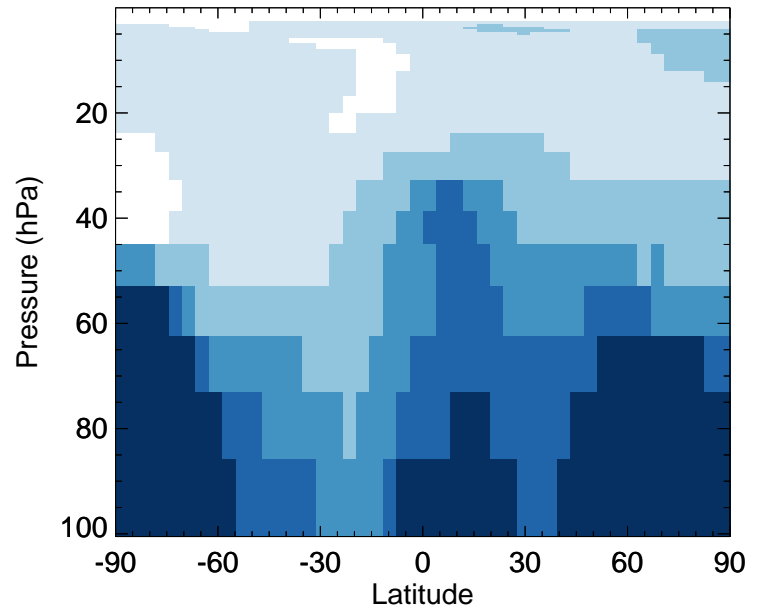
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HOBr - Strat zonal mean abs diff for Jul



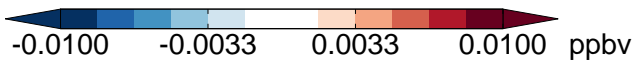
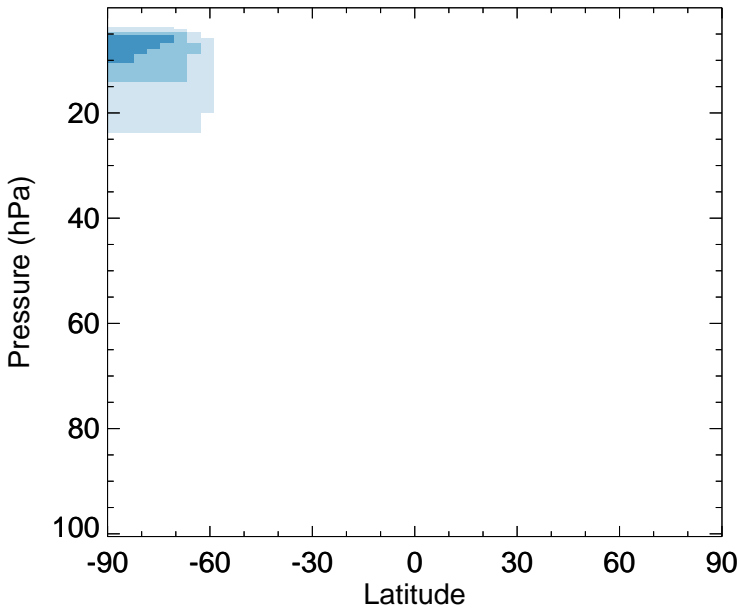
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HOBr - Strat zonal mean % diff for Jul



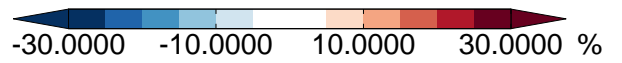
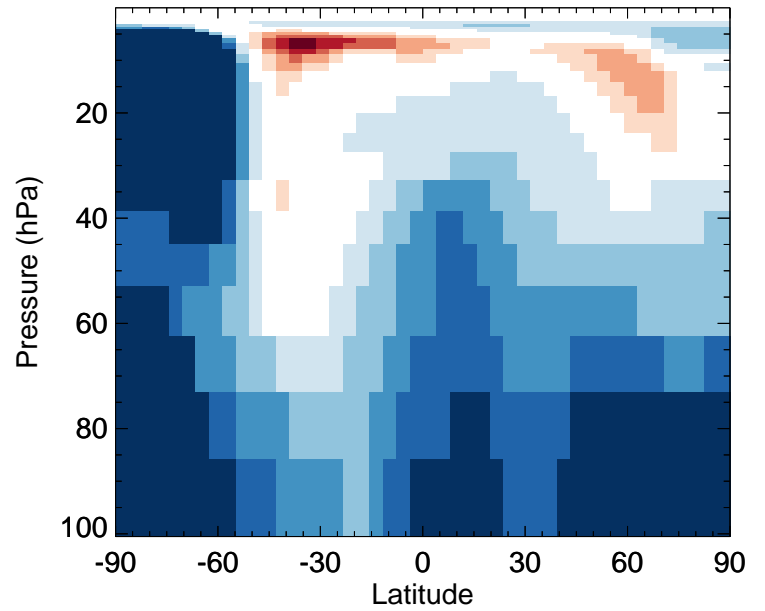
GC\_12.0.0 - v11-02e-Run1

HOBr - Strat zonal mean abs diff for Jul



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

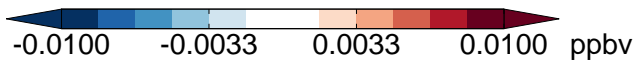
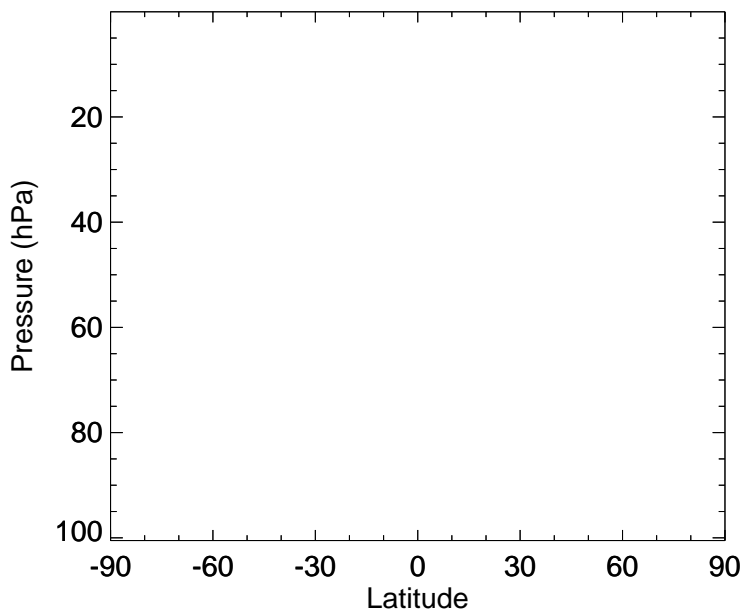
HOBr - Strat zonal mean % diff for Jul



# GEOS-Chem Stratospheric Zonal Difference Maps

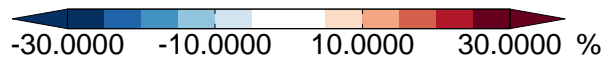
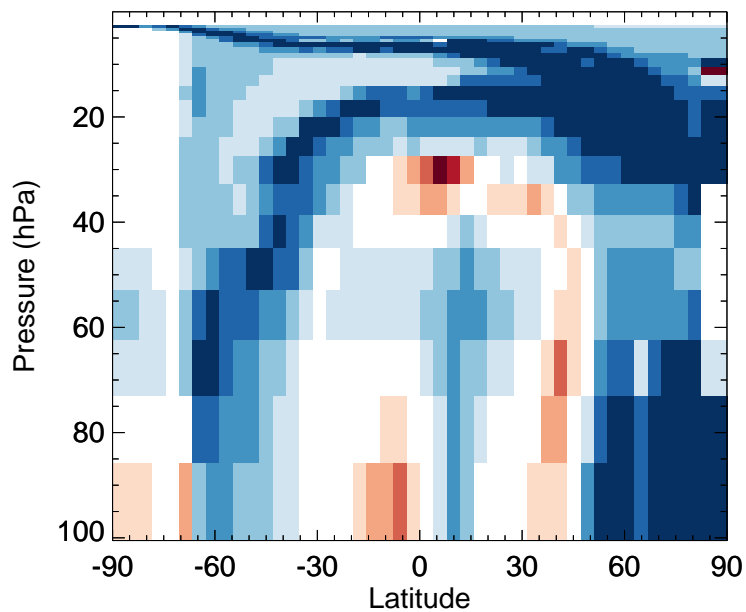
GC\_12.0.0 - v11-02f-Run1

HBr - Strat zonal mean abs diff for Jul



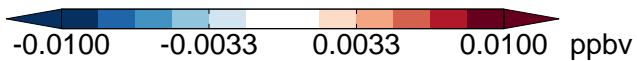
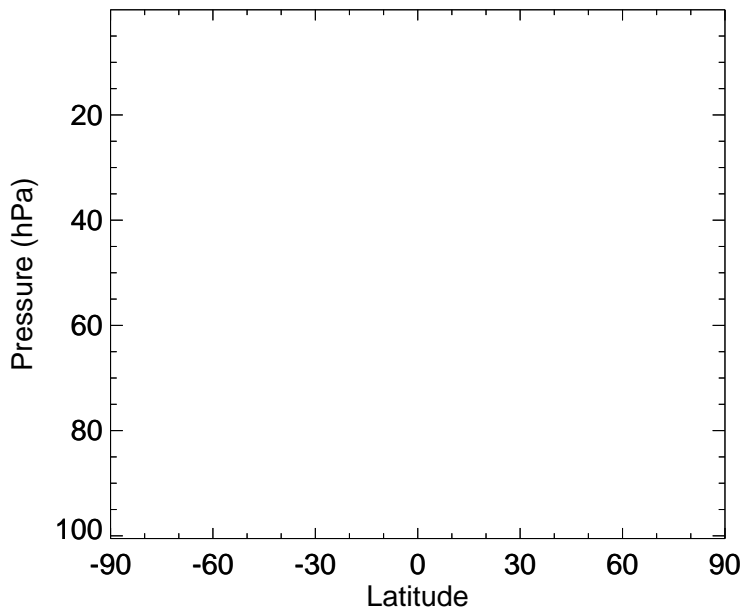
GC\_12.0.0 / v11-02f-Run1

HBr - Strat zonal mean % diff for Jul



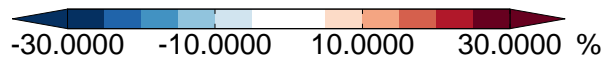
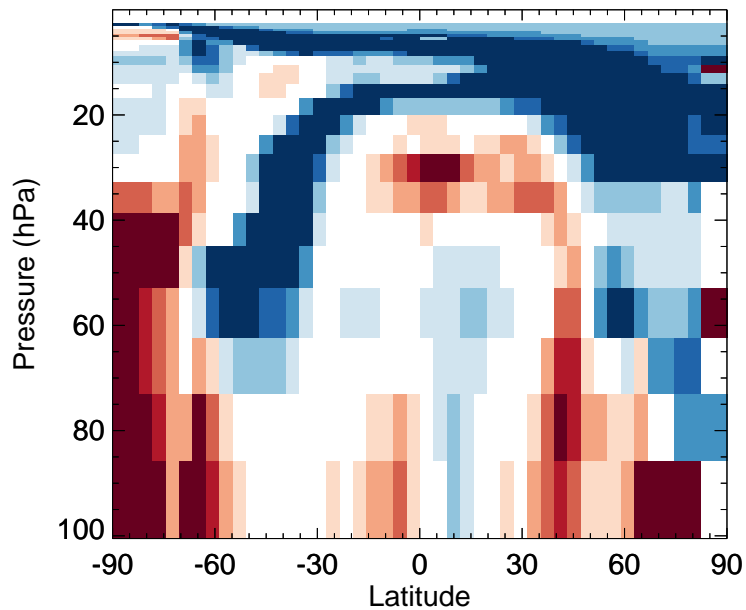
GC\_12.0.0 - v11-02e-Run1

HBr - Strat zonal mean abs diff for Jul



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

HBr - Strat zonal mean % diff for Jul

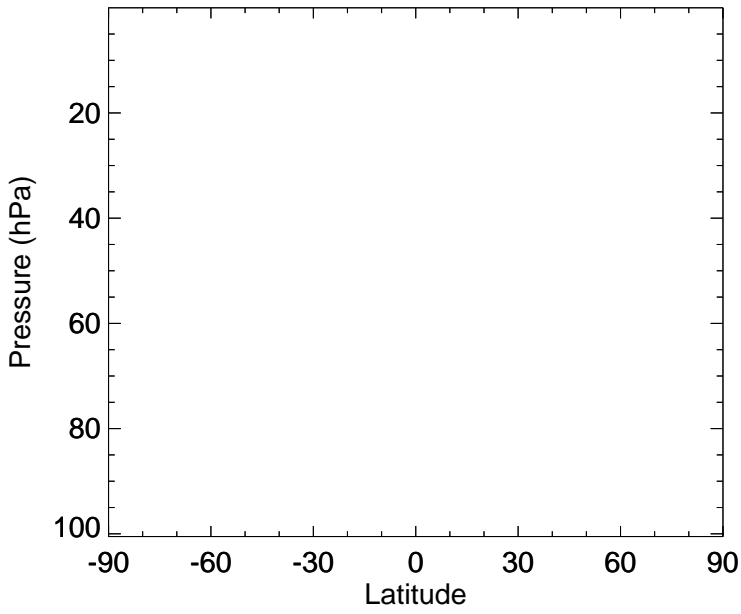




GEOS-Chem Stratospheric Zonal Difference Maps

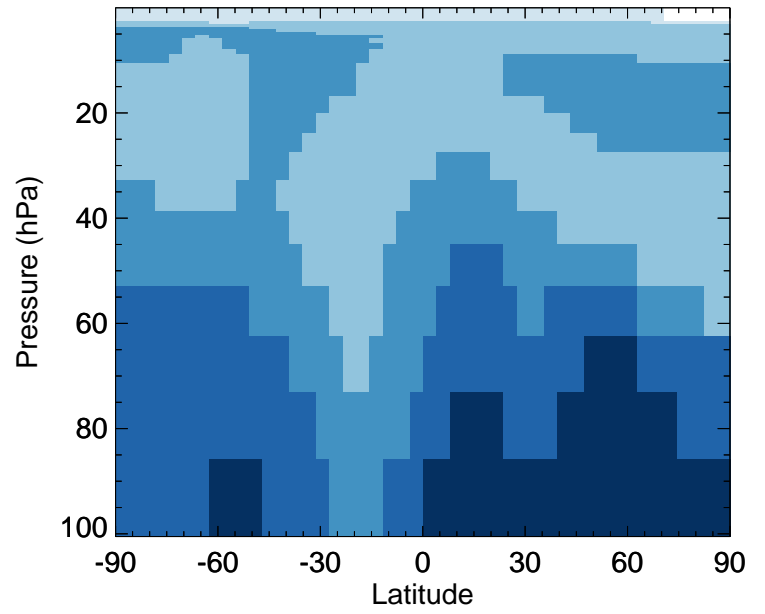
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BrNO2 - Strat zonal mean abs diff for Jul



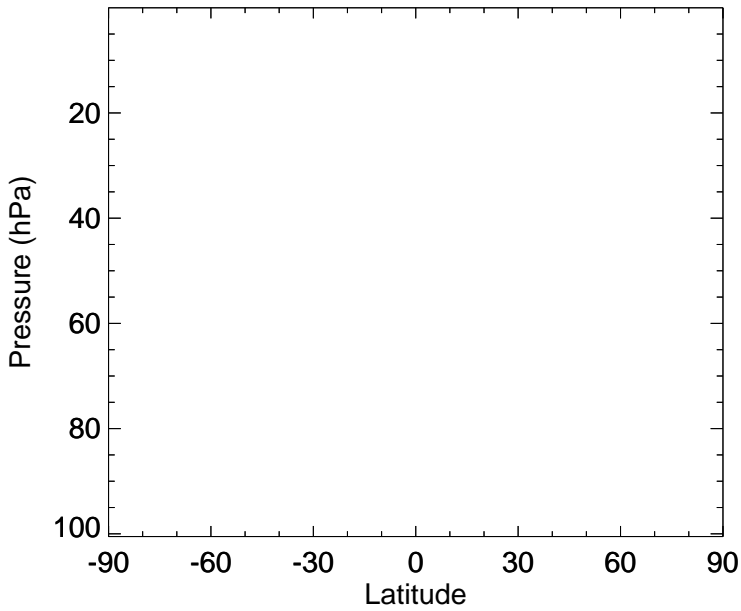
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BrNO2 - Strat zonal mean % diff for Jul



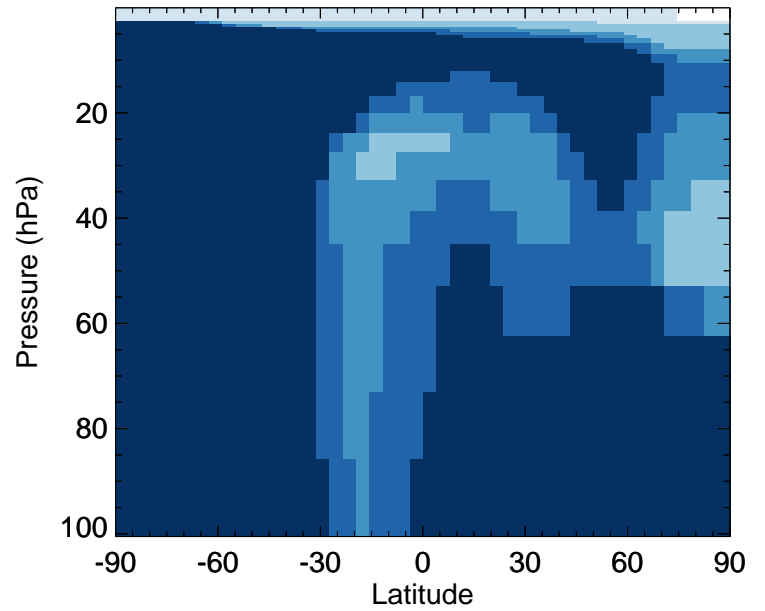
GC\_12.0.0 - v11-02e-Run1

BrNO2 - Strat zonal mean abs diff for Jul



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

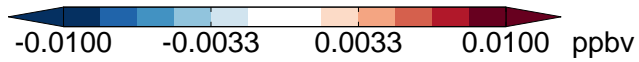
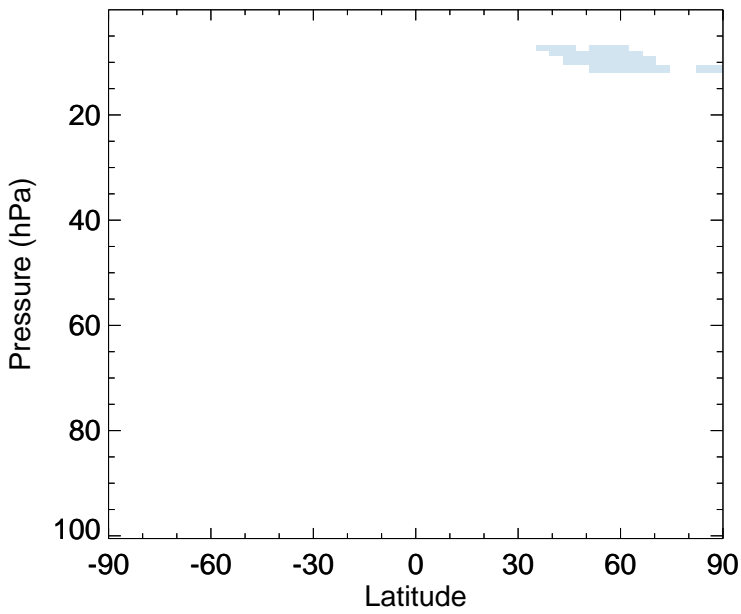
BrNO2 - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

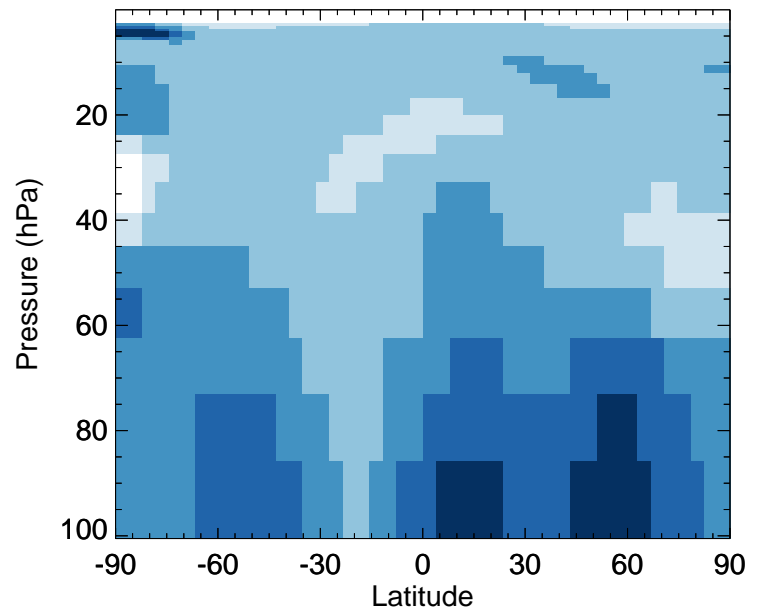
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BrNO3 - Strat zonal mean abs diff for Jul



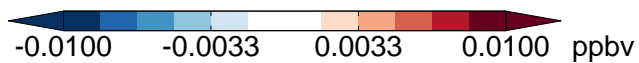
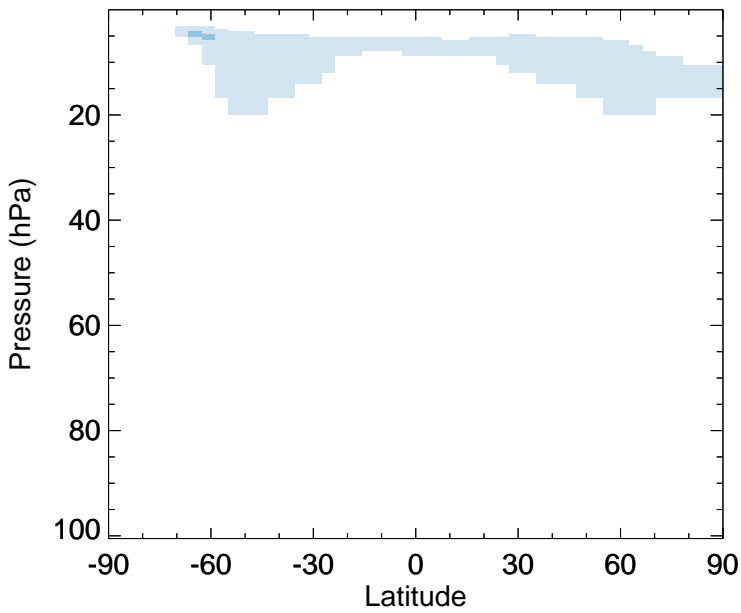
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BrNO3 - Strat zonal mean % diff for Jul



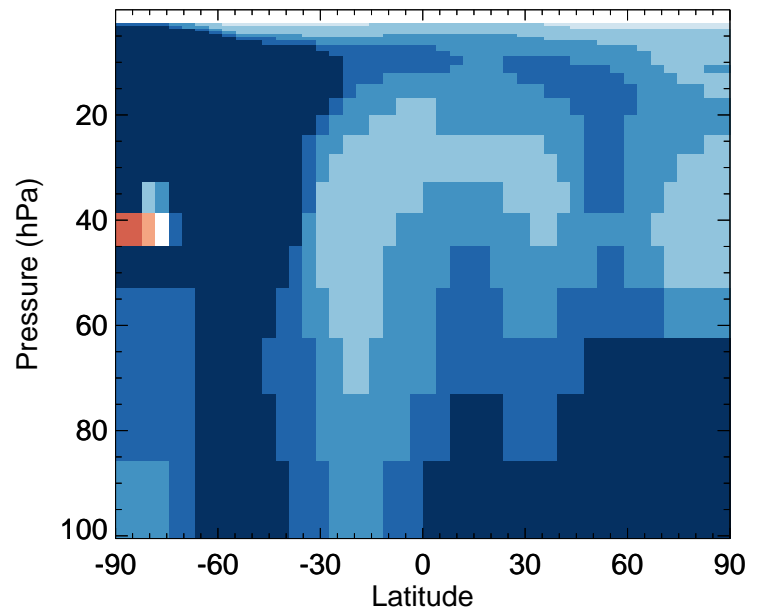
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BrNO3 - Strat zonal mean abs diff for Jul



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

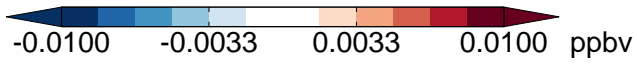
BrNO3 - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

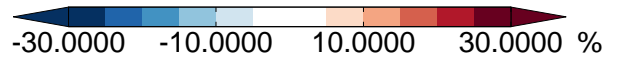
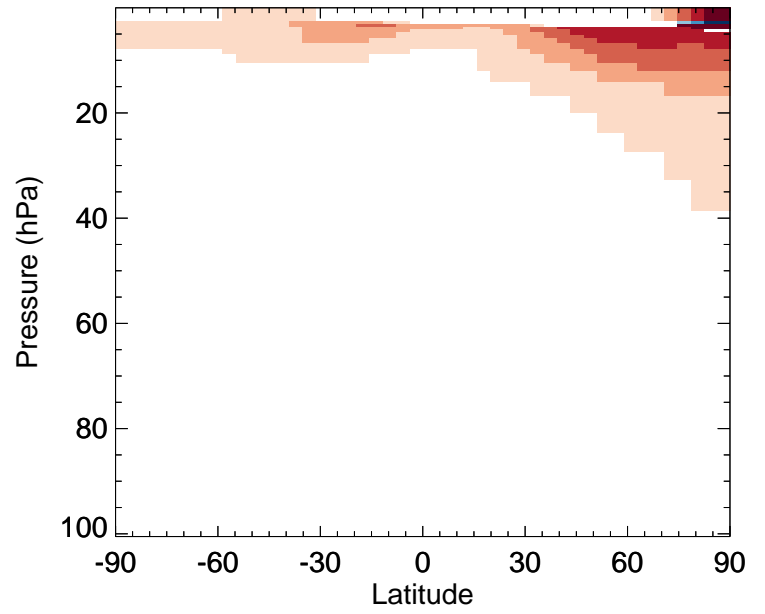
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CHBr3 - Strat zonal mean abs diff for Jul



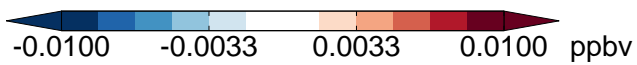
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CHBr3 - Strat zonal mean % diff for Jul



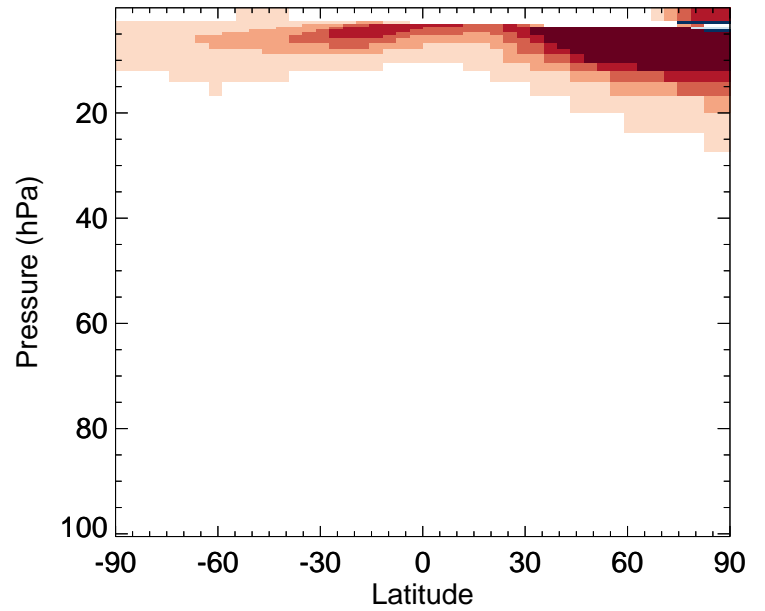
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CHBr3 - Strat zonal mean abs diff for Jul



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

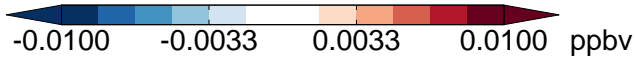
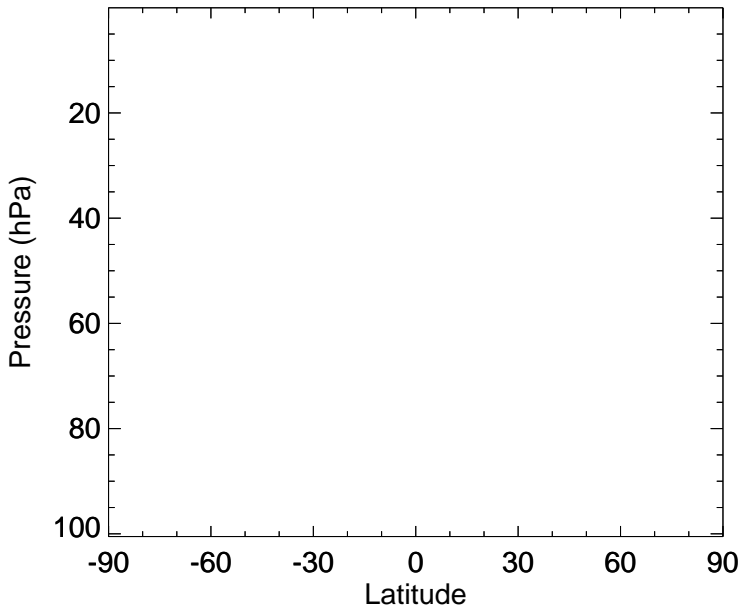
CHBr3 - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

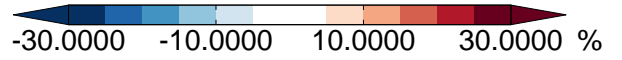
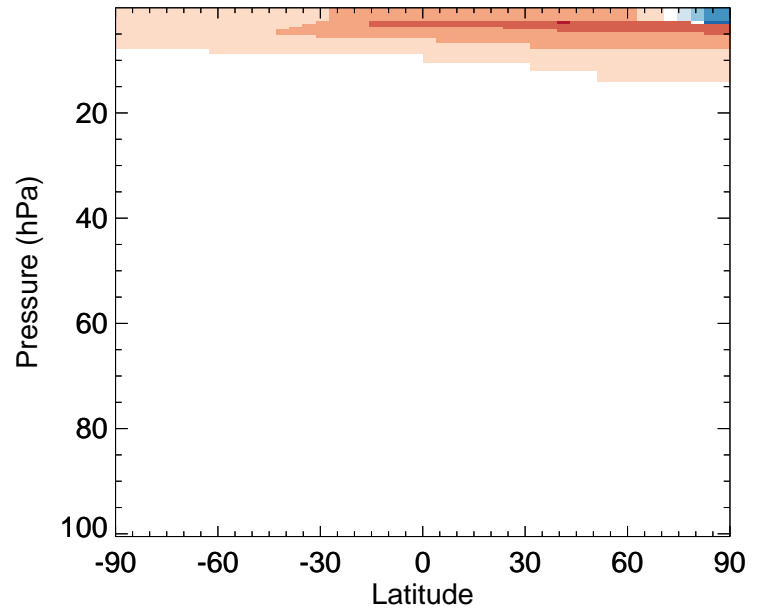
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CH2Br2 - Strat zonal mean abs diff for Jul



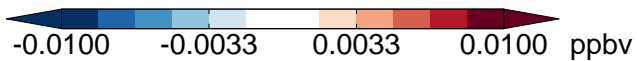
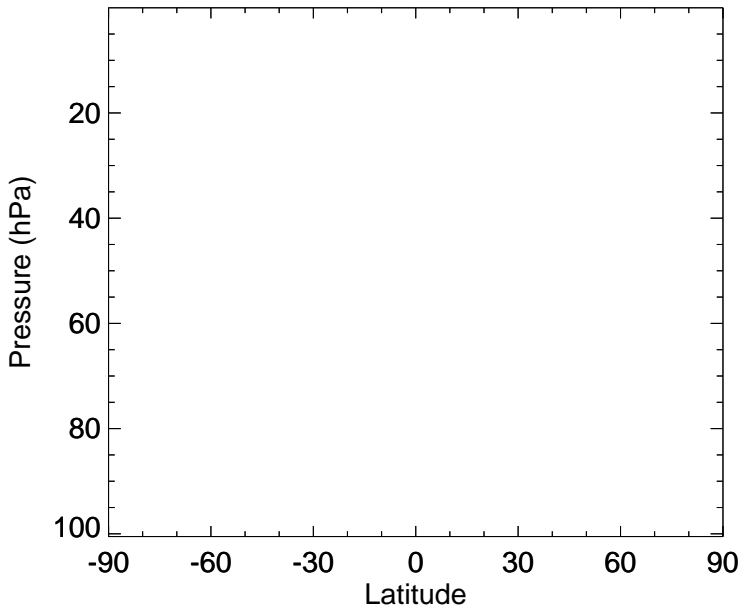
GC\_12.0.0 / v11-02f-Run1

CH2Br2 - Strat zonal mean % diff for Jul



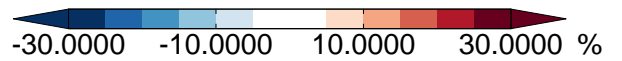
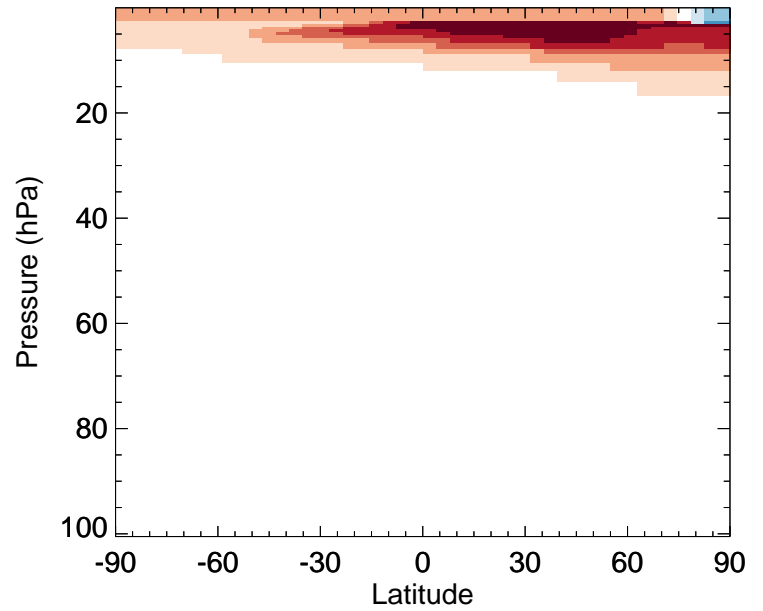
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CH2Br2 - Strat zonal mean abs diff for Jul



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

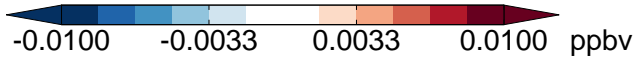
CH2Br2 - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

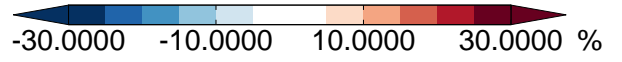
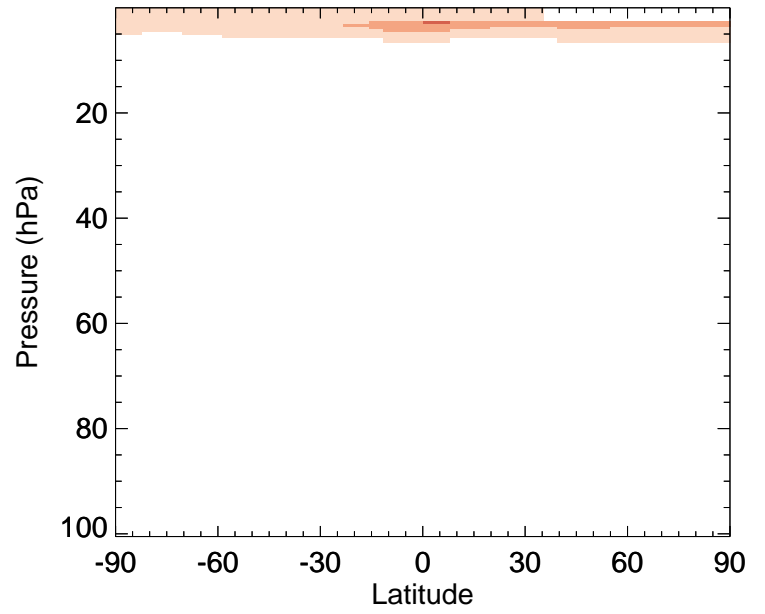
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CH3Br - Strat zonal mean abs diff for Jul



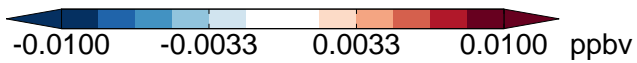
GC\_12.0.0 / v11-02f-Run1

CH3Br - Strat zonal mean % diff for Jul



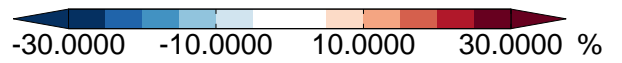
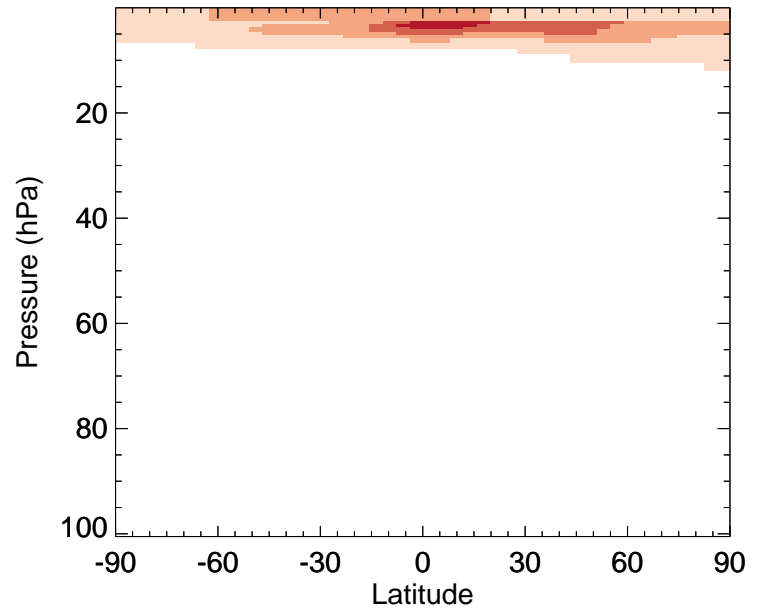
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CH3Br - Strat zonal mean abs diff for Jul



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

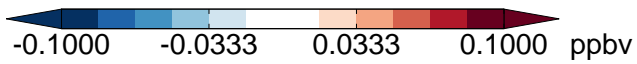
CH3Br - Strat zonal mean % diff for Jul



# GEOS-Chem Stratospheric Zonal Difference Maps

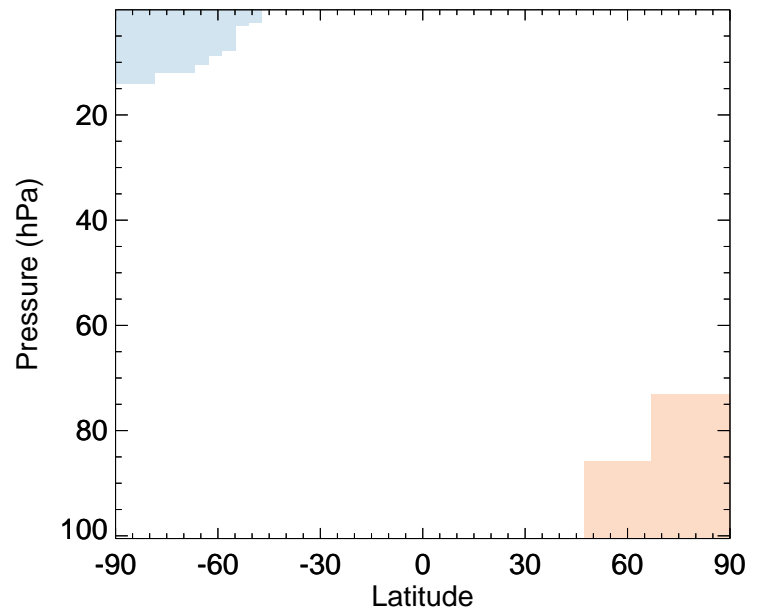
GC\_12.0.0 - v11-02f-Run1

MPN - Strat zonal mean abs diff for Jul



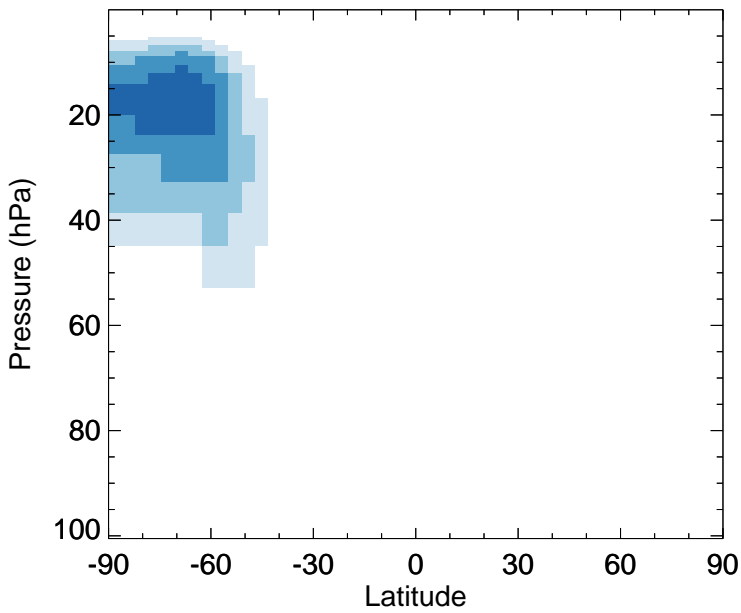
GC\_12.0.0 / v11-02f-Run1

MPN - Strat zonal mean % diff for Jul



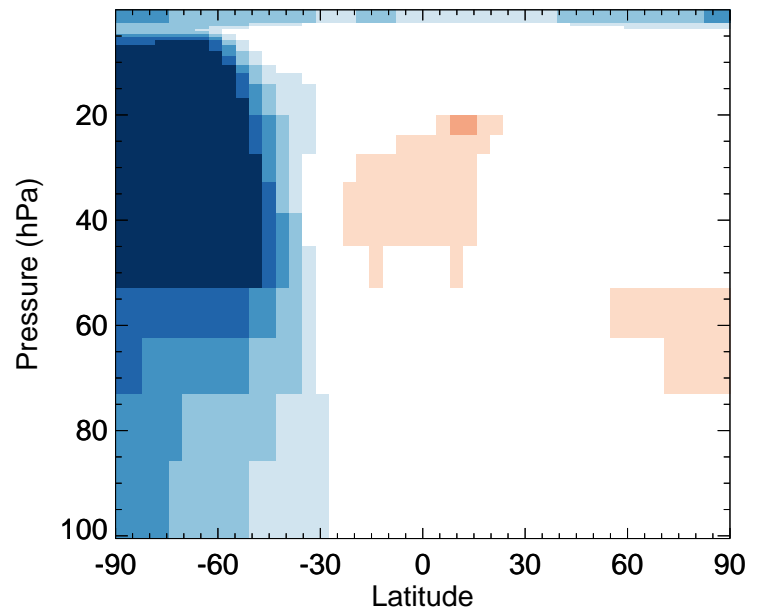
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MPN - Strat zonal mean abs diff for Jul



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

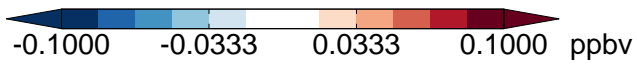
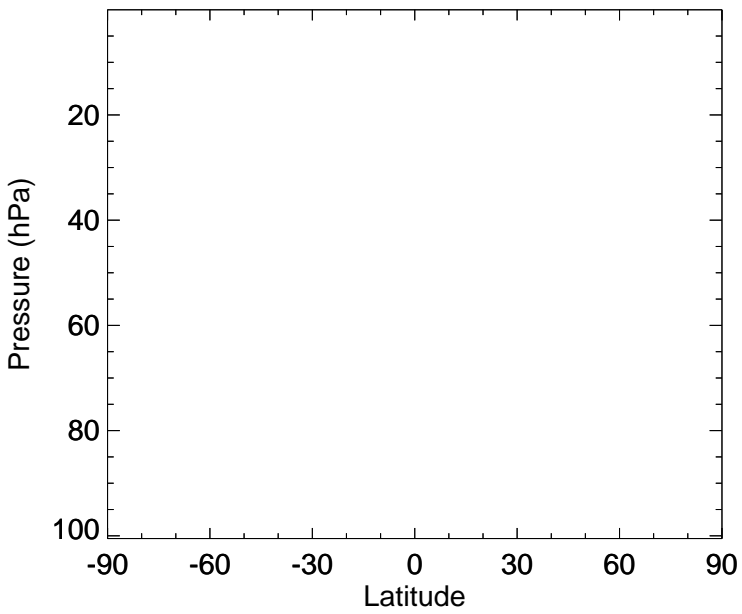
MPN - Strat zonal mean % diff for Jul



# GEOS-Chem Stratospheric Zonal Difference Maps

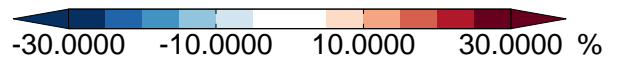
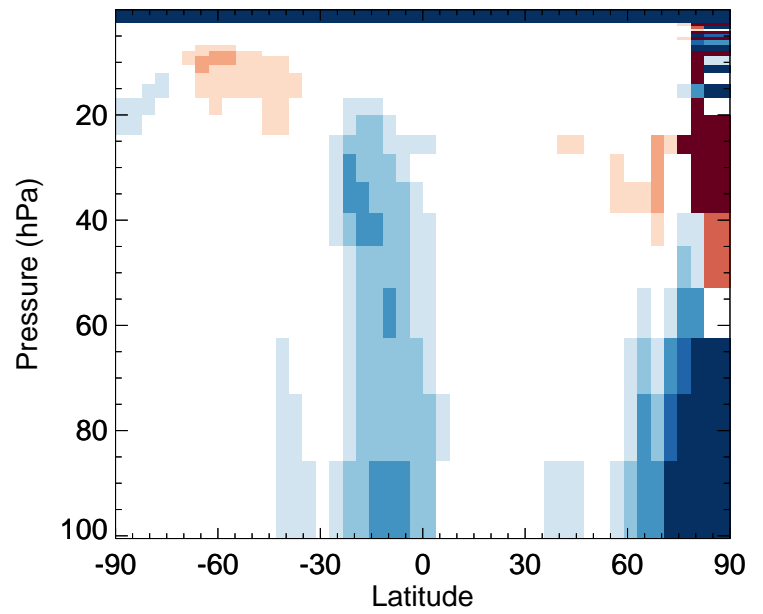
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ISOPND - Strat zonal mean abs diff for Jul



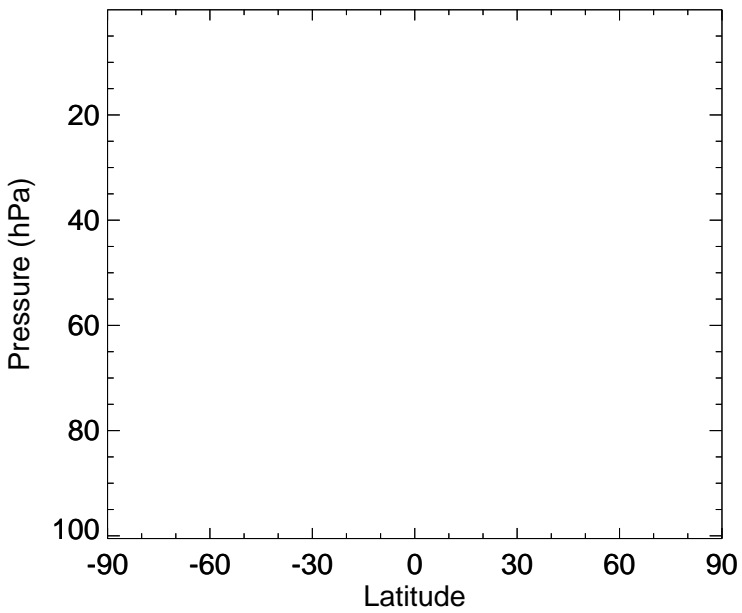
GC\_12.0.0 / v11-02f-Run1

ISOPND - Strat zonal mean % diff for Jul



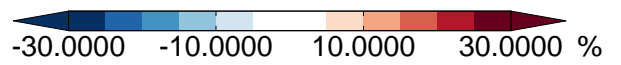
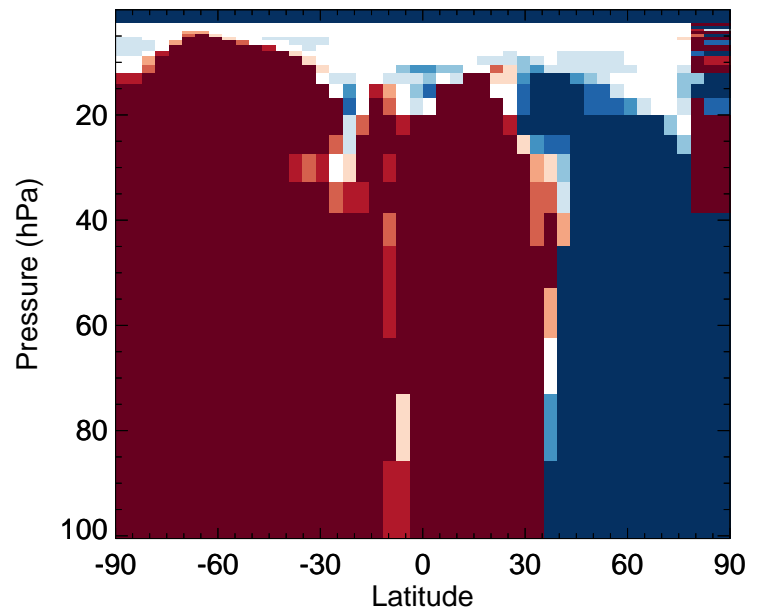
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ISOPND - Strat zonal mean abs diff for Jul



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

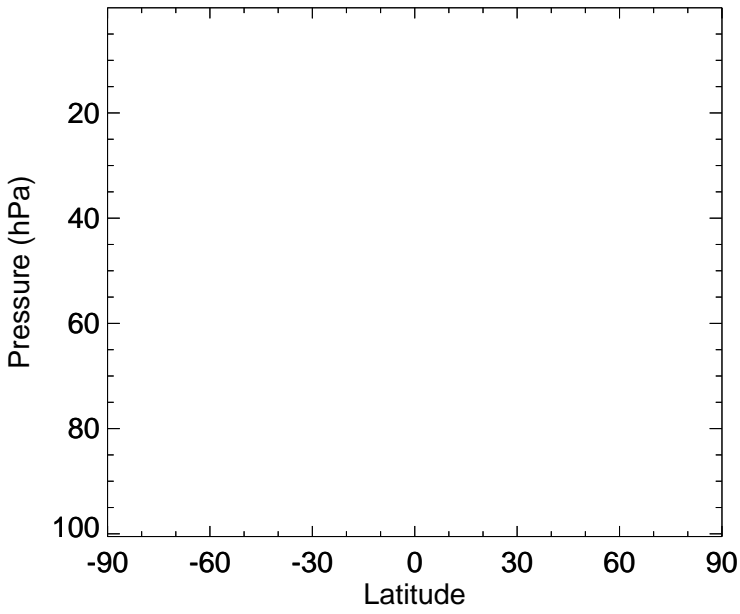
ISOPND - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

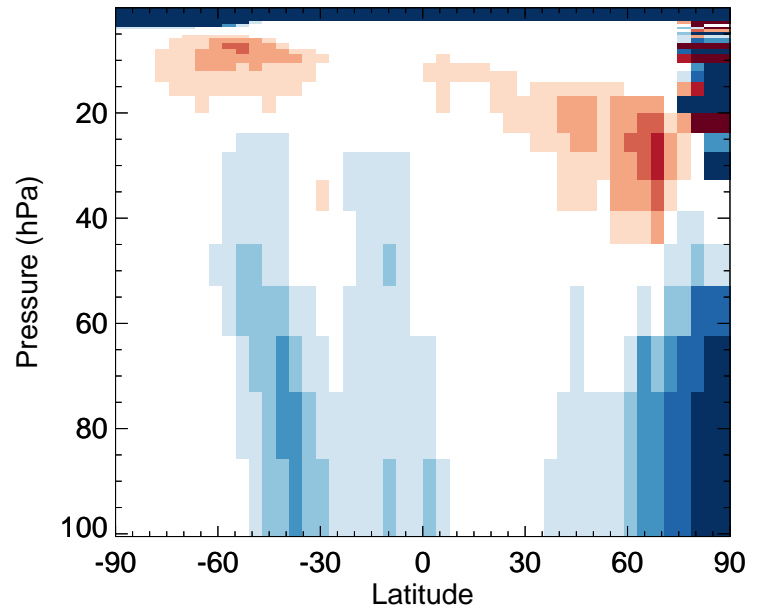
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ISOPNB - Strat zonal mean abs diff for Jul



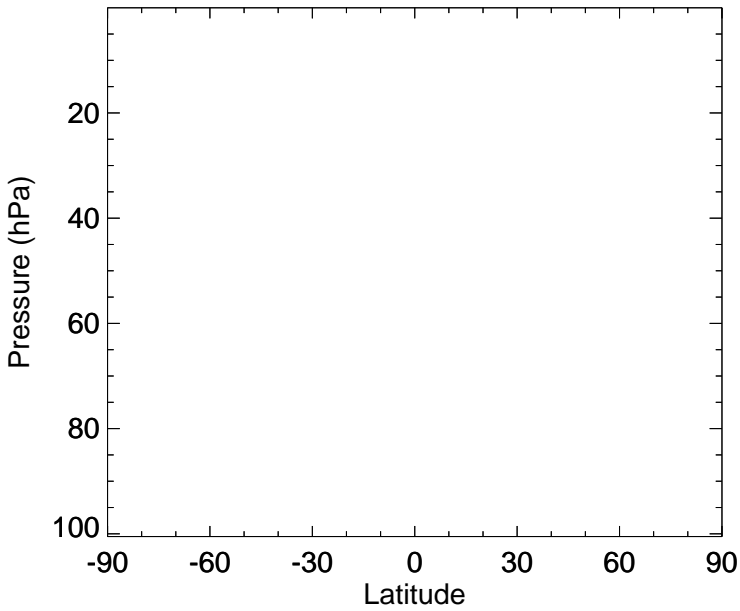
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ISOPNB - Strat zonal mean % diff for Jul



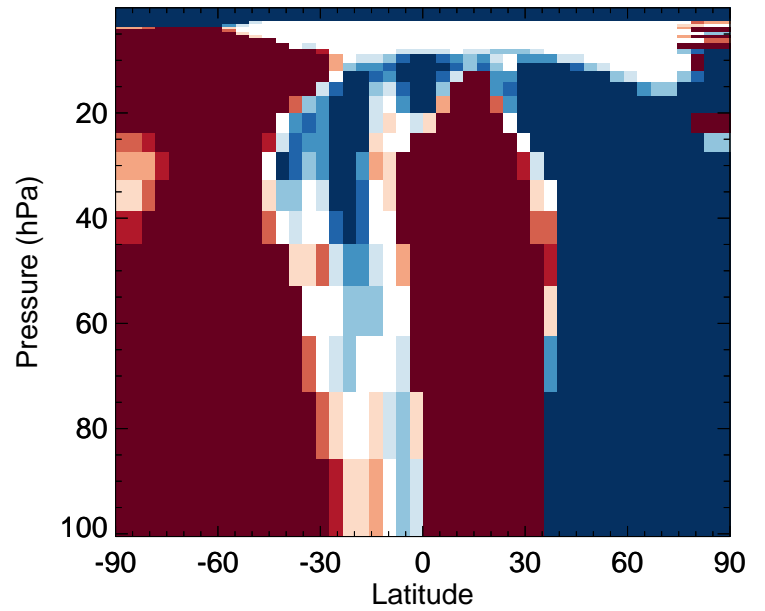
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ISOPNB - Strat zonal mean abs diff for Jul



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

ISOPNB - Strat zonal mean % diff for Jul

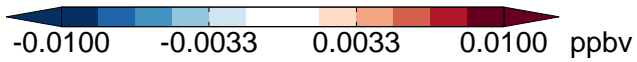




GEOS-Chem Stratospheric Zonal Difference Maps

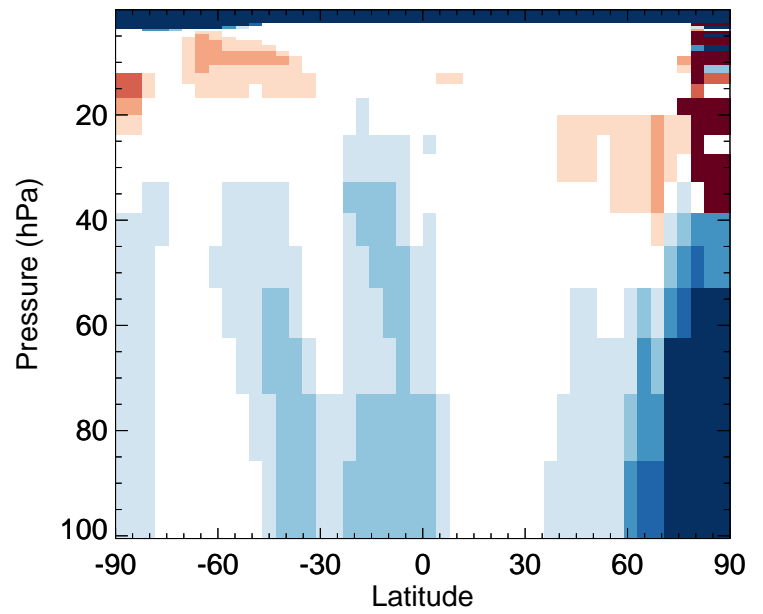
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MOBA - Strat zonal mean abs diff for Jul



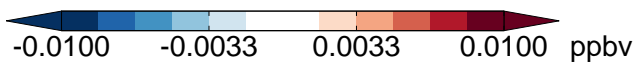
GC\_12.0.0 / v11-02f-Run1

MOBA - Strat zonal mean % diff for Jul



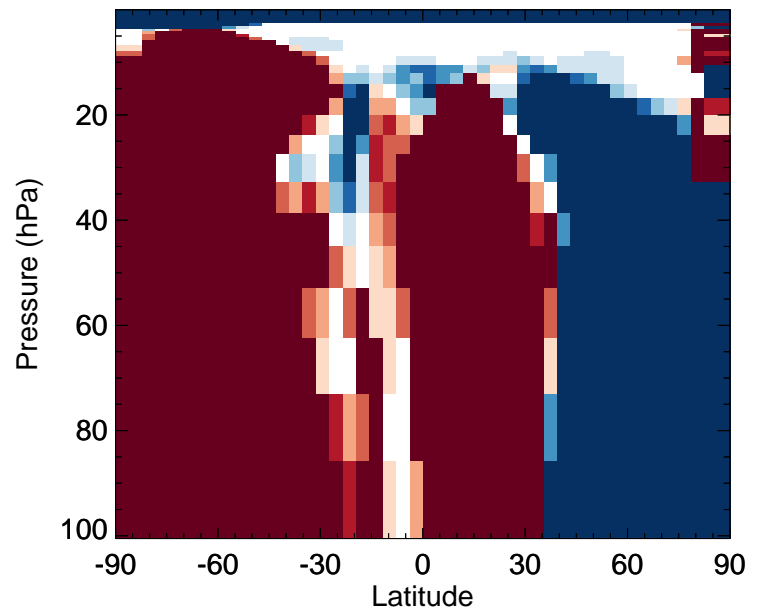
GC\_12.0.0 - v11-02e-Run1

MOBA - Strat zonal mean abs diff for Jul



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

MOBA - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

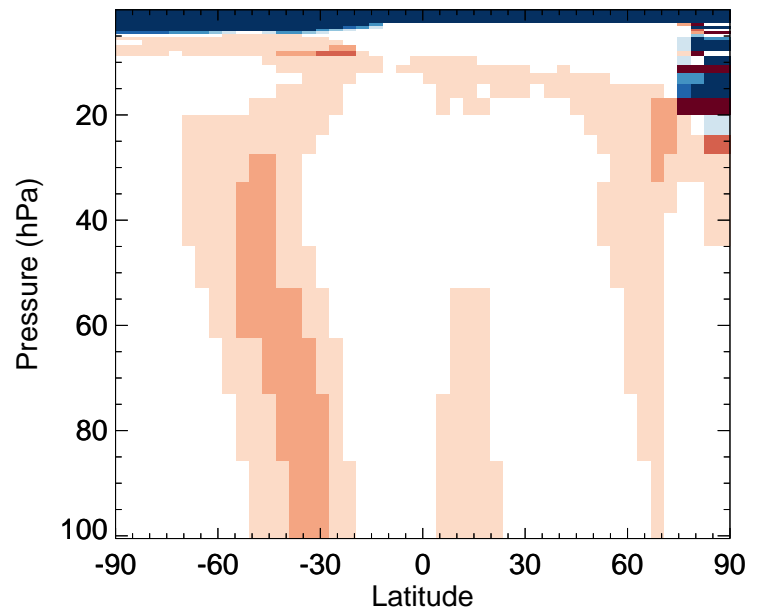
GC\_12.0.0 - v11-02f-Run1

PROPNN - Strat zonal mean abs diff for Jul



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

PROPNN - Strat zonal mean % diff for Jul



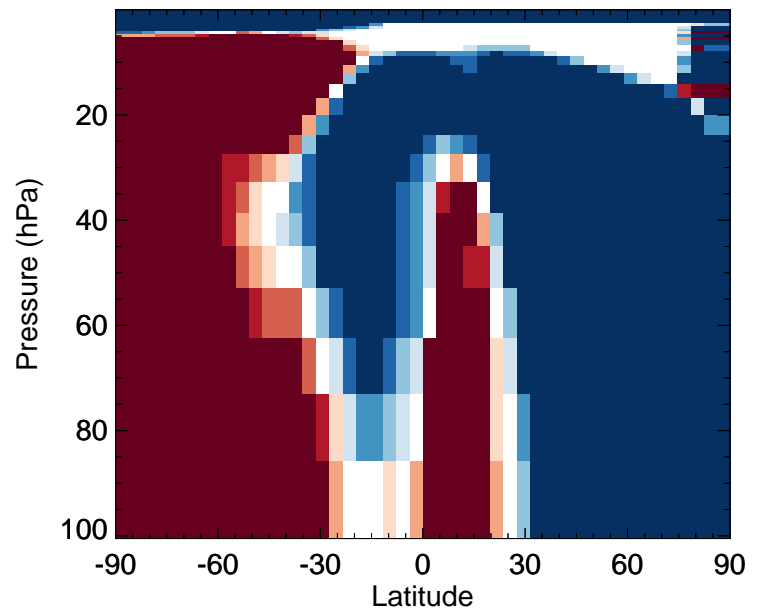
GC\_12.0.0 - v11-02e-Run1

PROPNN - Strat zonal mean abs diff for Jul



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

PROPNN - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

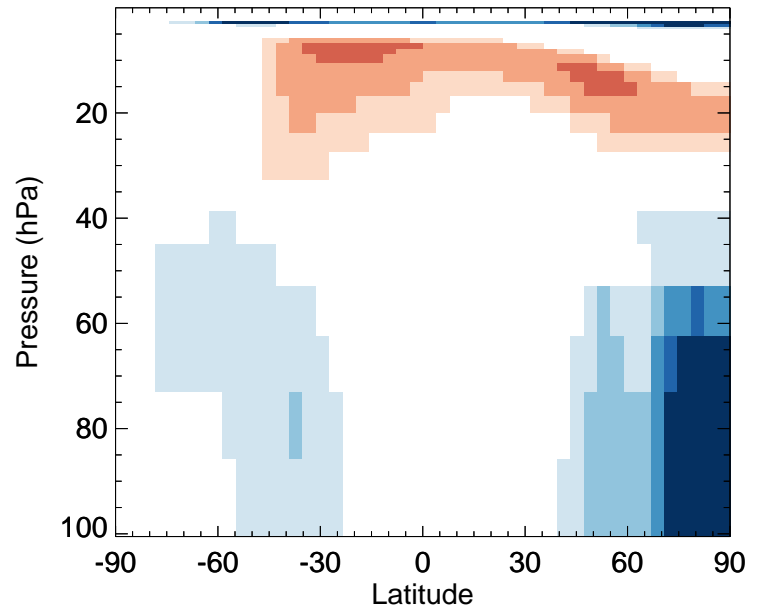
GC\_12.0.0 - v11-02f-Run1

HAC - Strat zonal mean abs diff for Jul



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

HAC - Strat zonal mean % diff for Jul



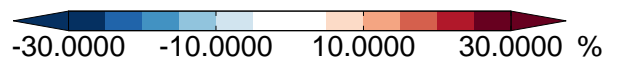
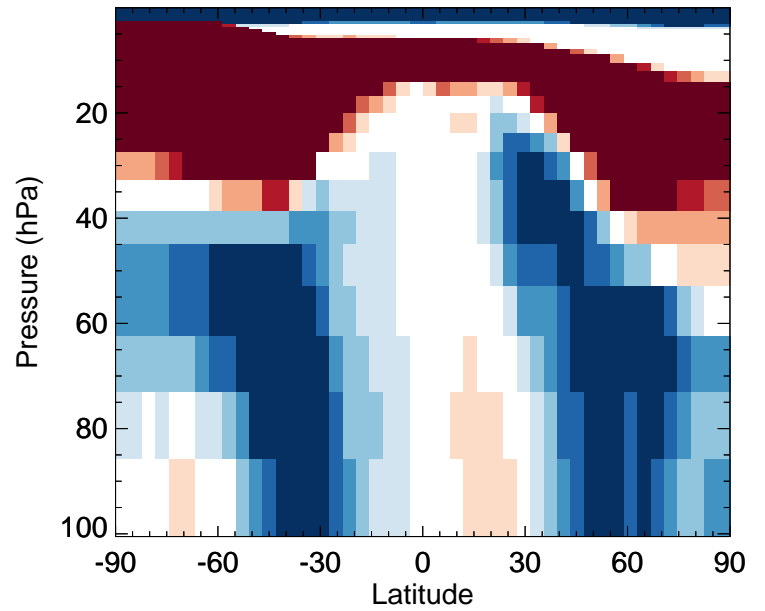
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HAC - Strat zonal mean abs diff for Jul



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

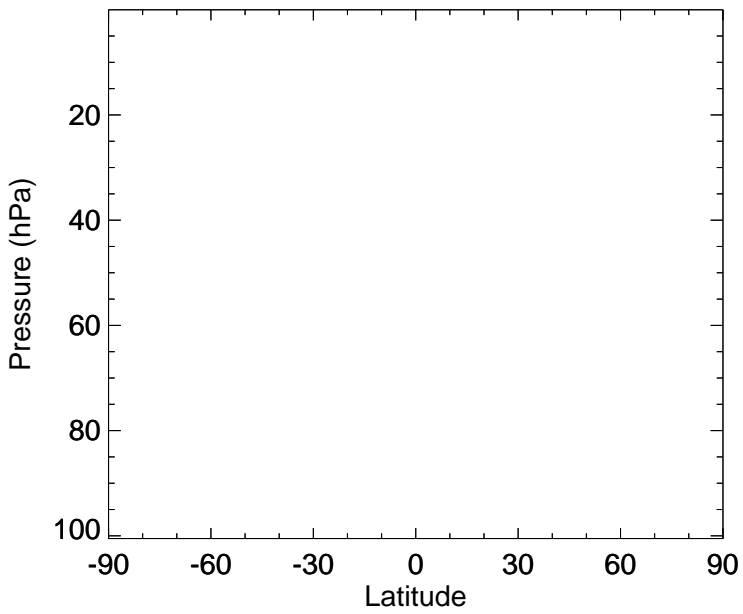
HAC - Strat zonal mean % diff for Jul



# GEOS-Chem Stratospheric Zonal Difference Maps

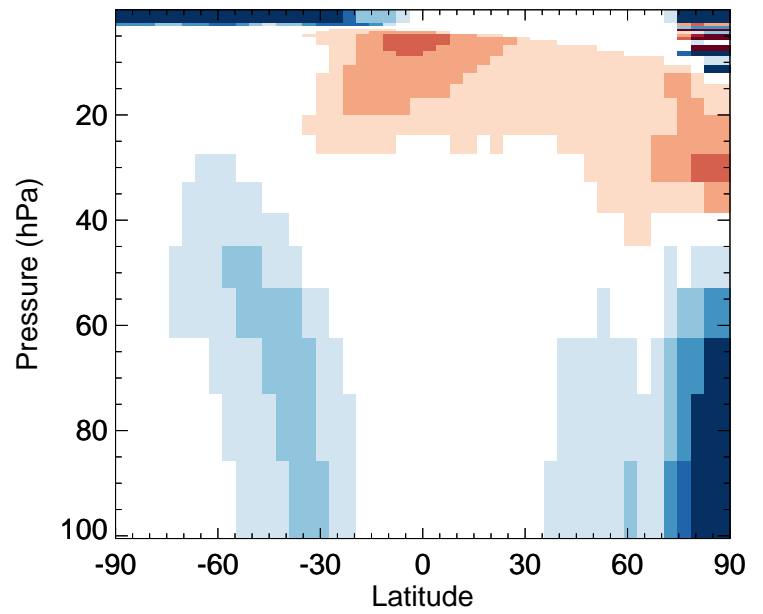
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GLYC - Strat zonal mean abs diff for Jul



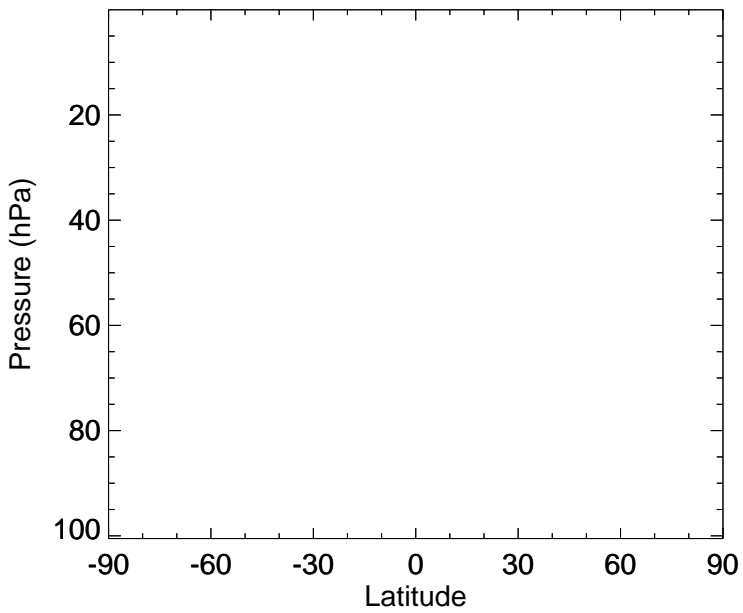
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GLYC - Strat zonal mean % diff for Jul



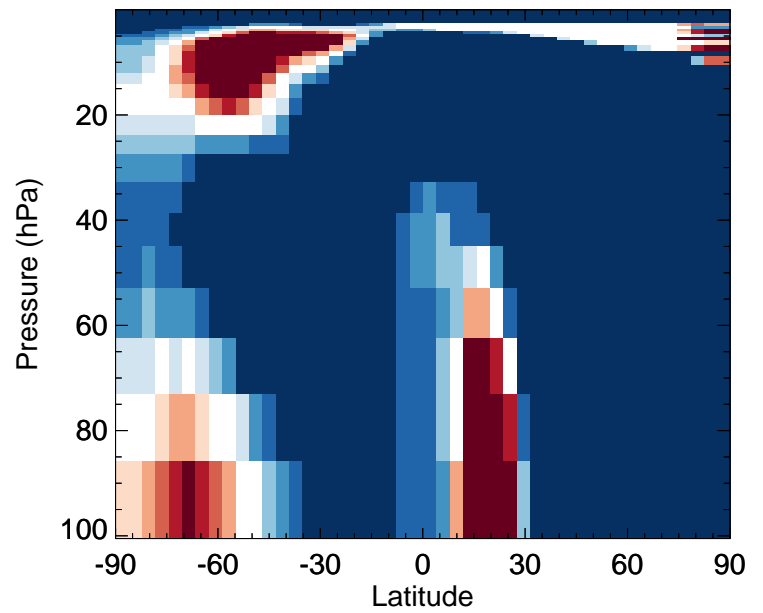
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GLYC - Strat zonal mean abs diff for Jul



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

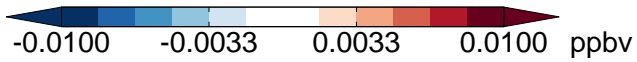
GLYC - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

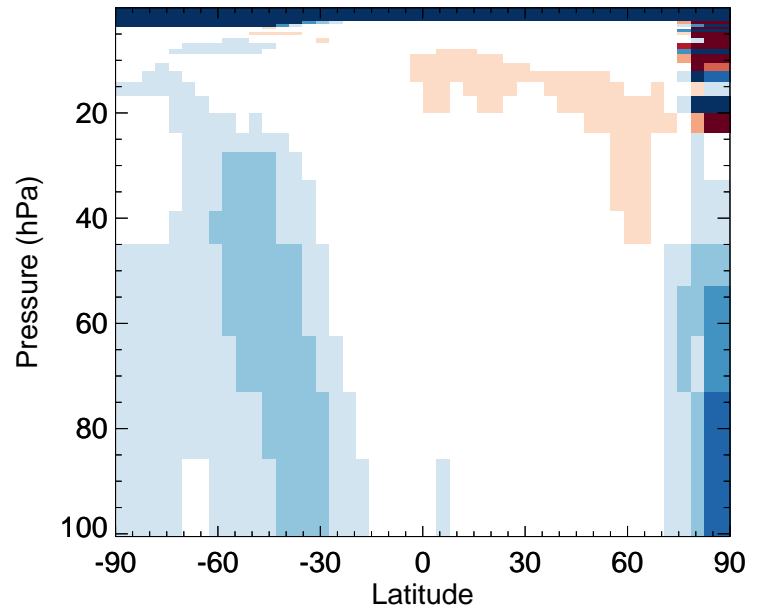
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MVKN - Strat zonal mean abs diff for Jul



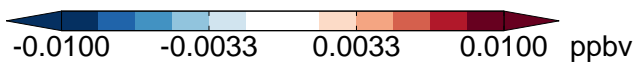
GC\_12.0.0 / v11-02f-Run1

MVKN - Strat zonal mean % diff for Jul



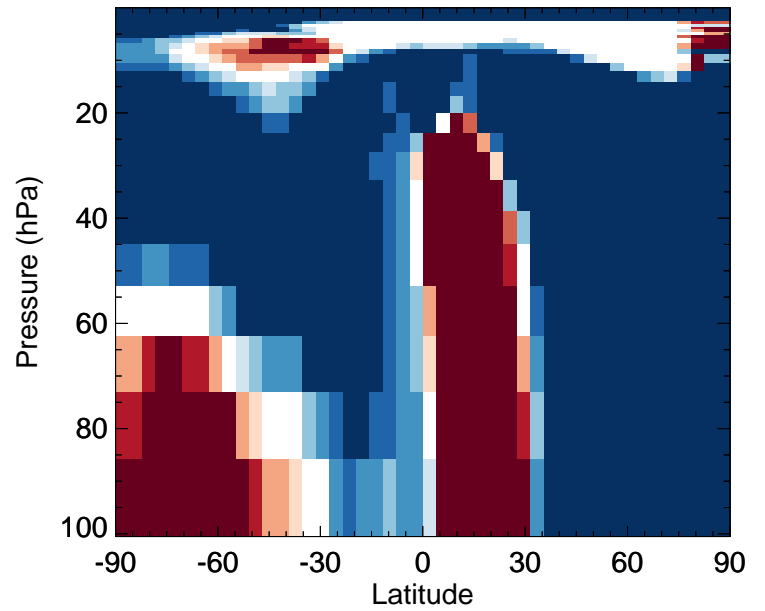
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MVKN - Strat zonal mean abs diff for Jul



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

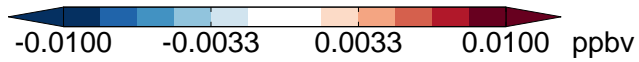
MVKN - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

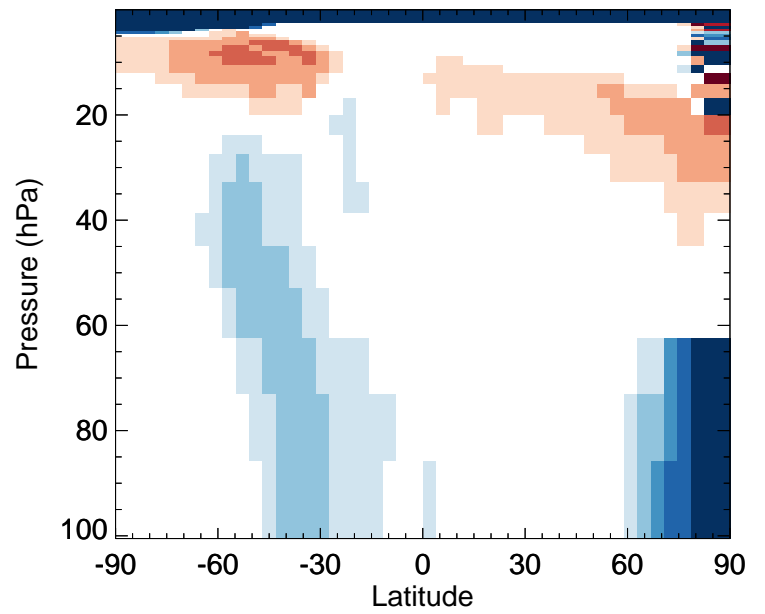
GC\_12.0.0 - v11-02f-Run1

MACRN - Strat zonal mean abs diff for Jul



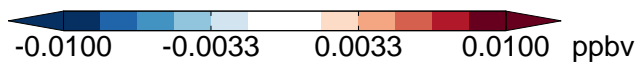
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MACRN - Strat zonal mean % diff for Jul



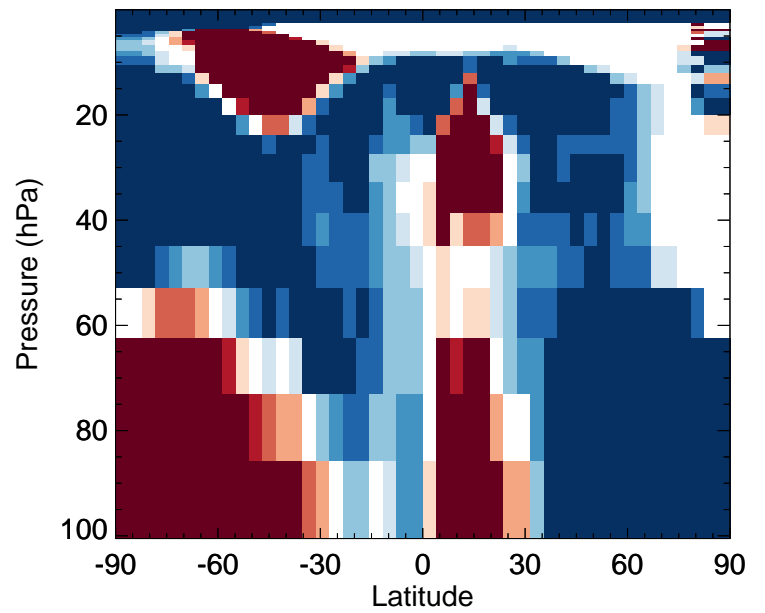
GC\_12.0.0 - v11-02e-Run1

MACRN - Strat zonal mean abs diff for Jul



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

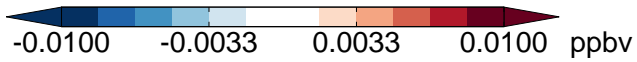
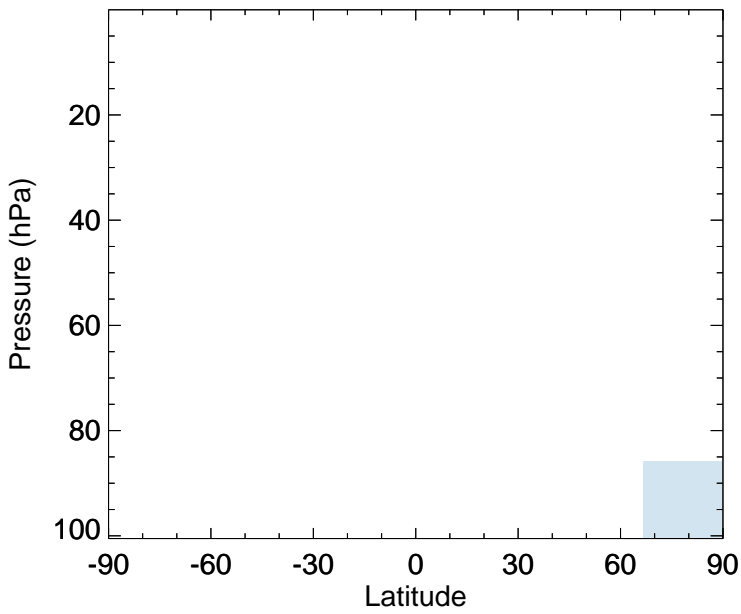
MACRN - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

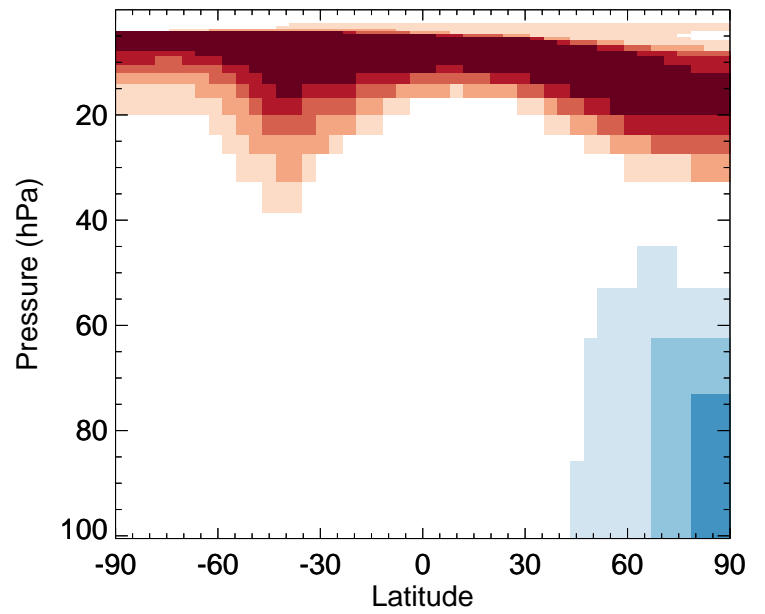
GC\_12.0.0 - v11-02f-Run1

MAP - Strat zonal mean abs diff for Jul



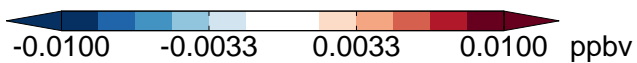
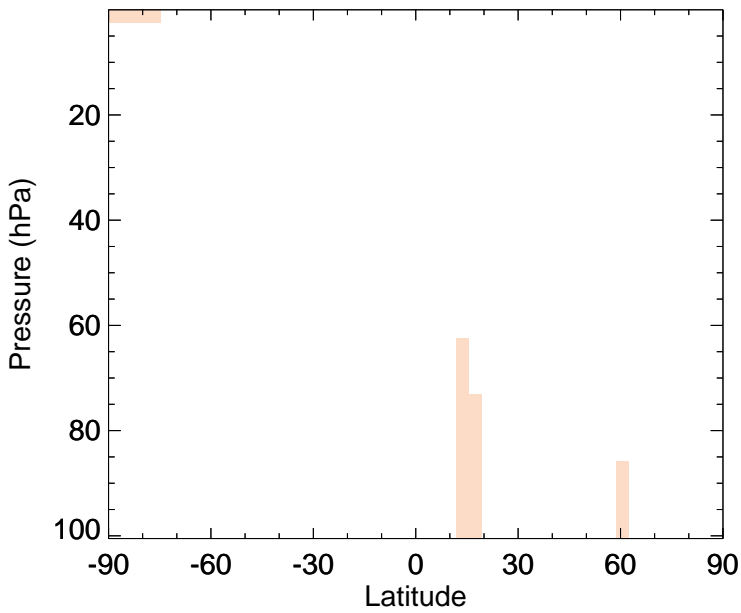
GC\_12.0.0 / v11-02f-Run1

MAP - Strat zonal mean % diff for Jul



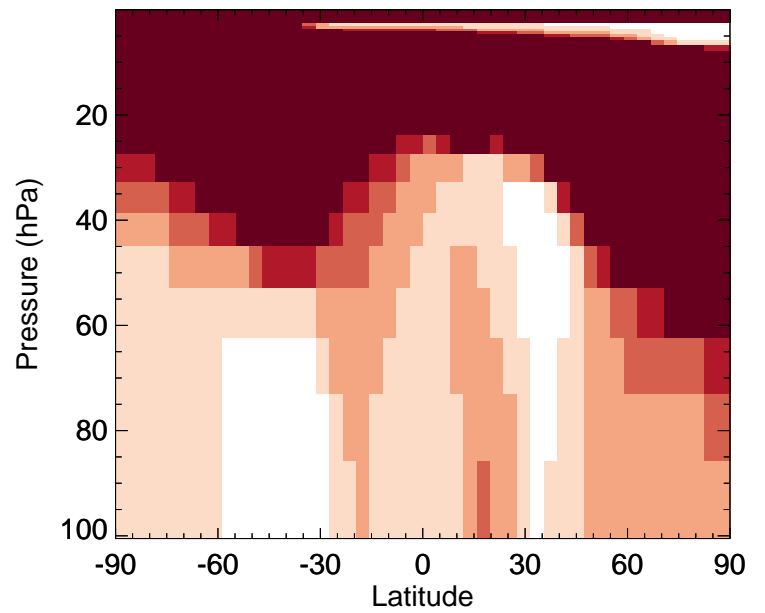
GC\_12.0.0 - v11-02e-Run1

MAP - Strat zonal mean abs diff for Jul



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

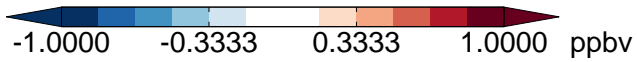
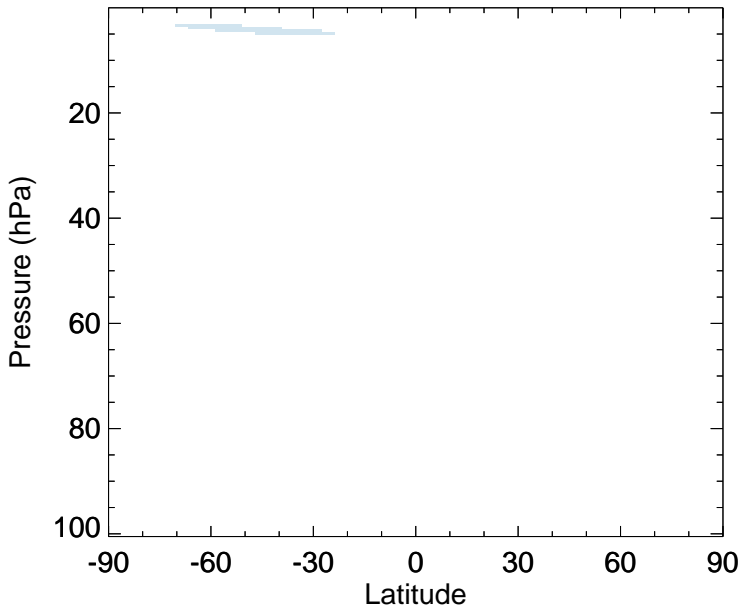
MAP - Strat zonal mean % diff for Jul



# GEOS-Chem Stratospheric Zonal Difference Maps

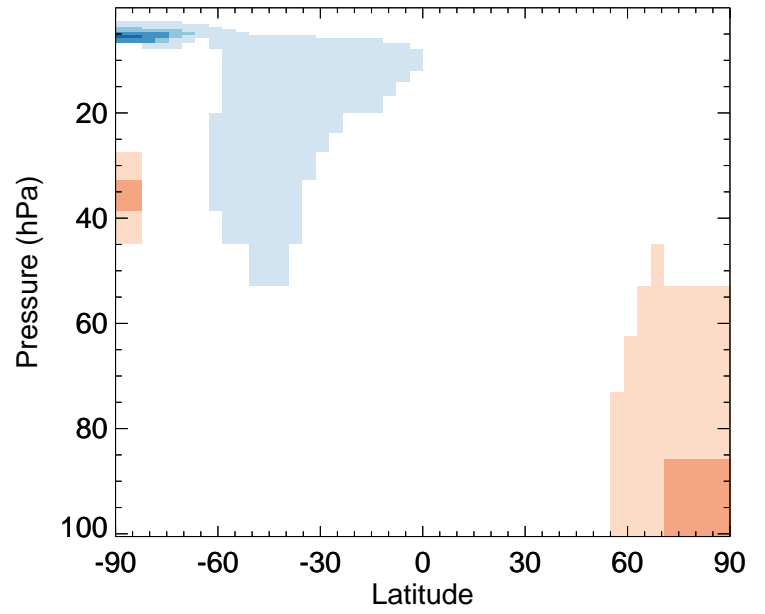
GC\_12.0.0 - v11-02f-Run1

NO2 - Strat zonal mean abs diff for Jul



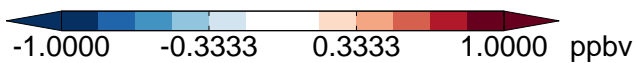
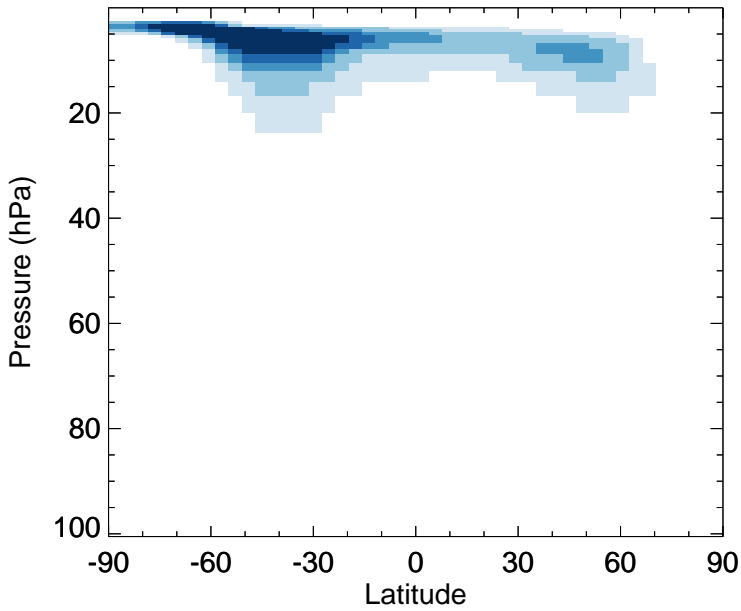
GC\_12.0.0 / v11-02f-Run1

NO2 - Strat zonal mean % diff for Jul



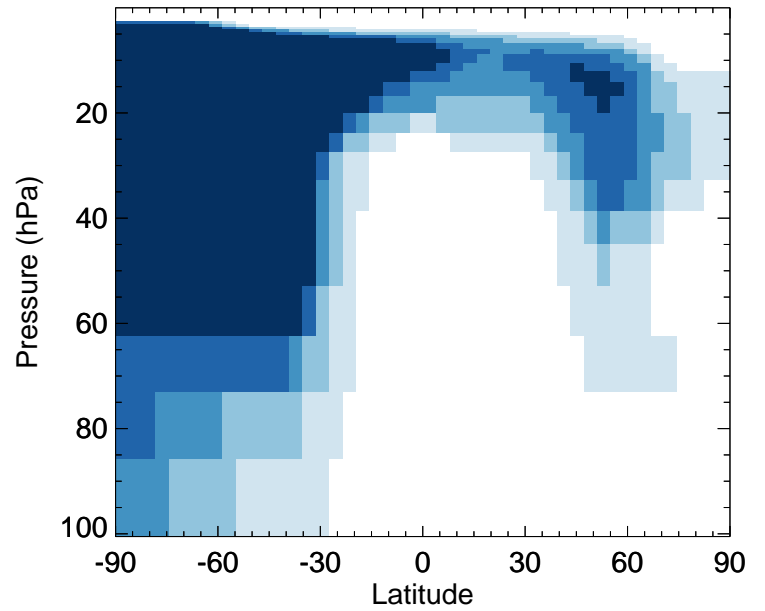
GC\_12.0.0 - v11-02e-Run1

NO2 - Strat zonal mean abs diff for Jul



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

NO2 - Strat zonal mean % diff for Jul

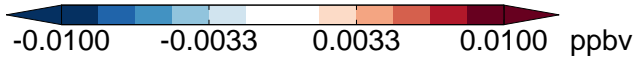




GEOS-Chem Stratospheric Zonal Difference Maps

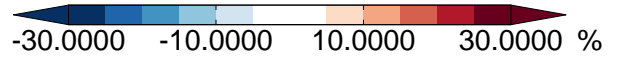
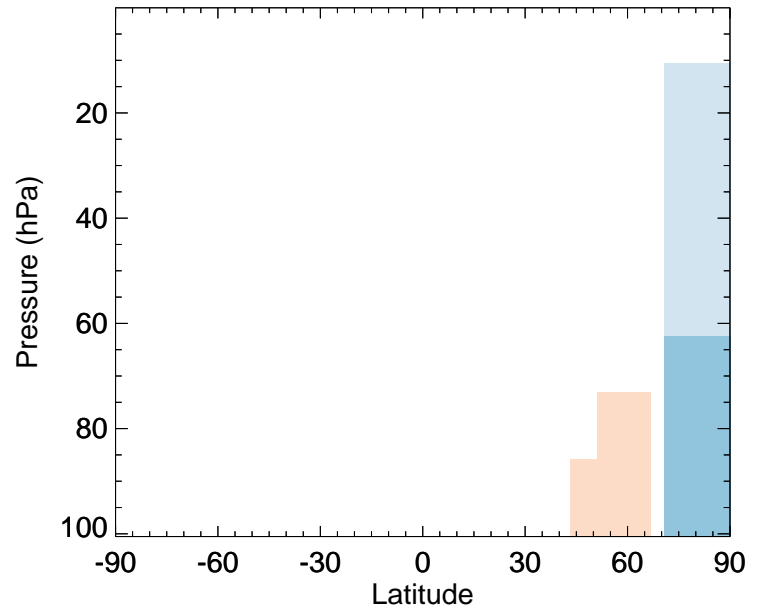
GC\_12.0.0 - v11-02f-Run1

NO3 - Strat zonal mean abs diff for Jul



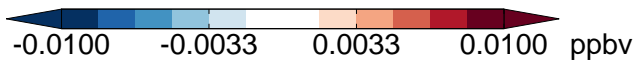
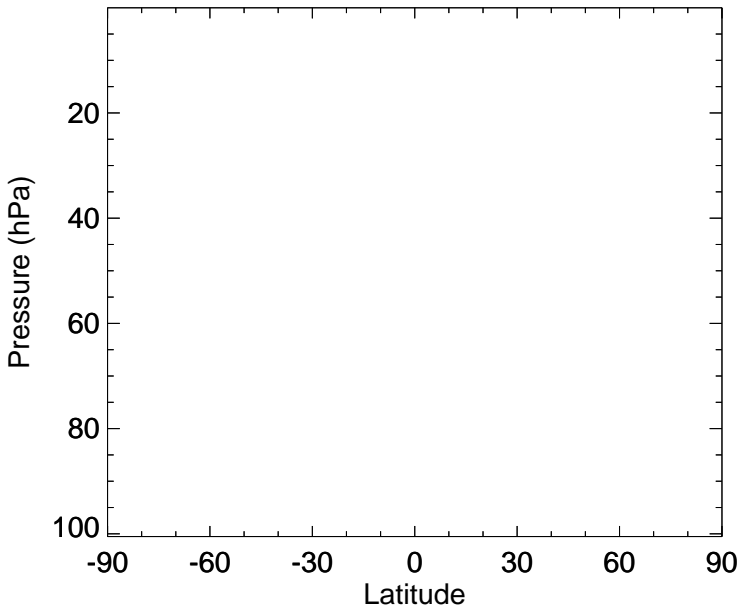
GC\_12.0.0 / v11-02f-Run1

NO3 - Strat zonal mean % diff for Jul



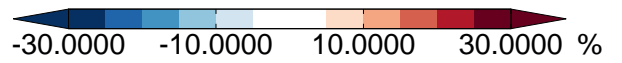
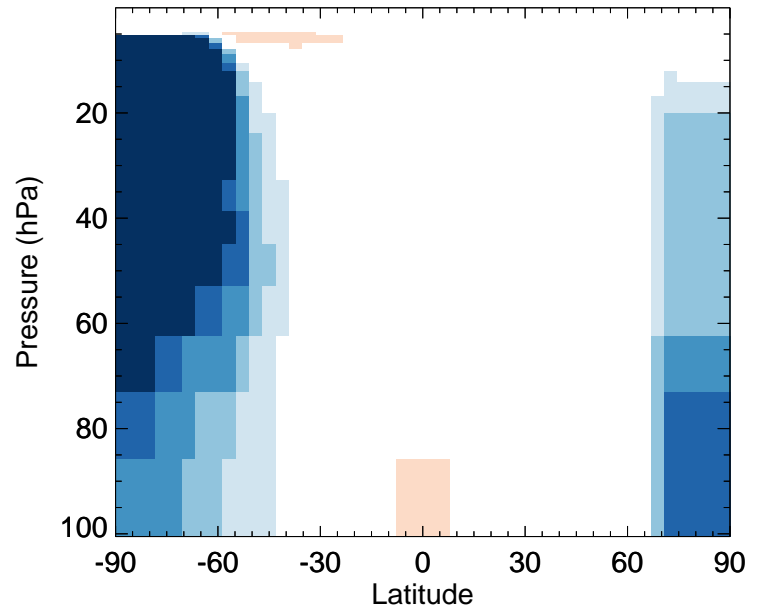
GC\_12.0.0 - v11-02e-Run1

NO3 - Strat zonal mean abs diff for Jul



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

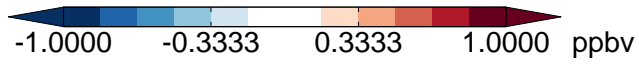
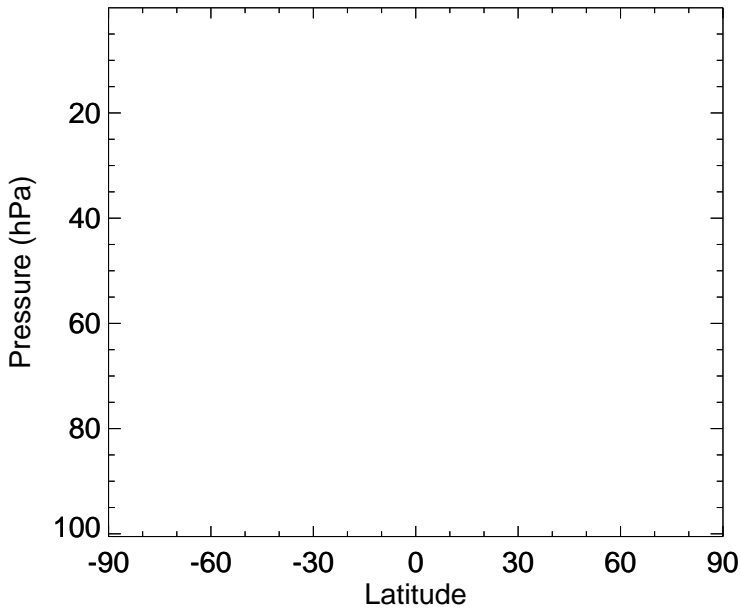
NO3 - Strat zonal mean % diff for Jul



# GEOS-Chem Stratospheric Zonal Difference Maps

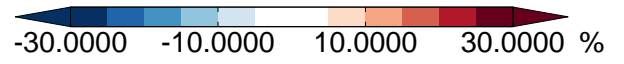
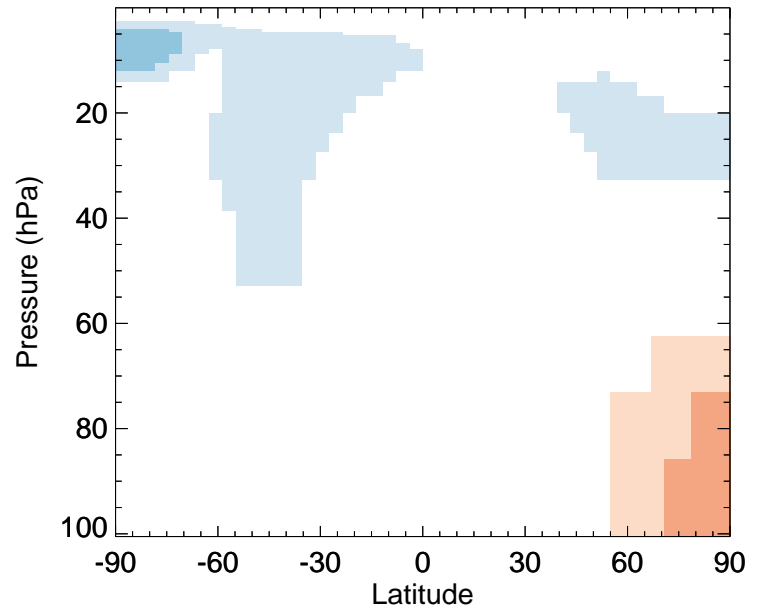
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HNO<sub>2</sub> - Strat zonal mean abs diff for Jul



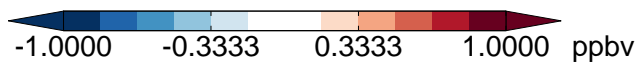
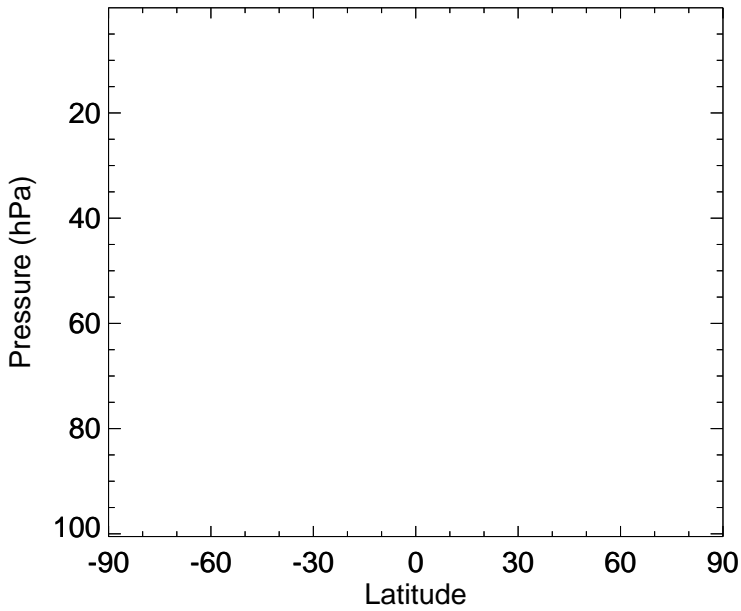
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HNO<sub>2</sub> - Strat zonal mean % diff for Jul



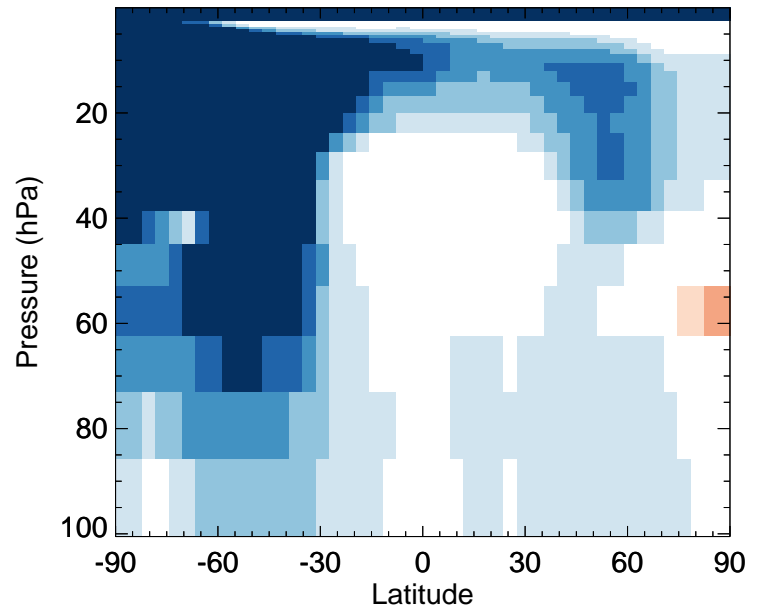
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HNO<sub>2</sub> - Strat zonal mean abs diff for Jul



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

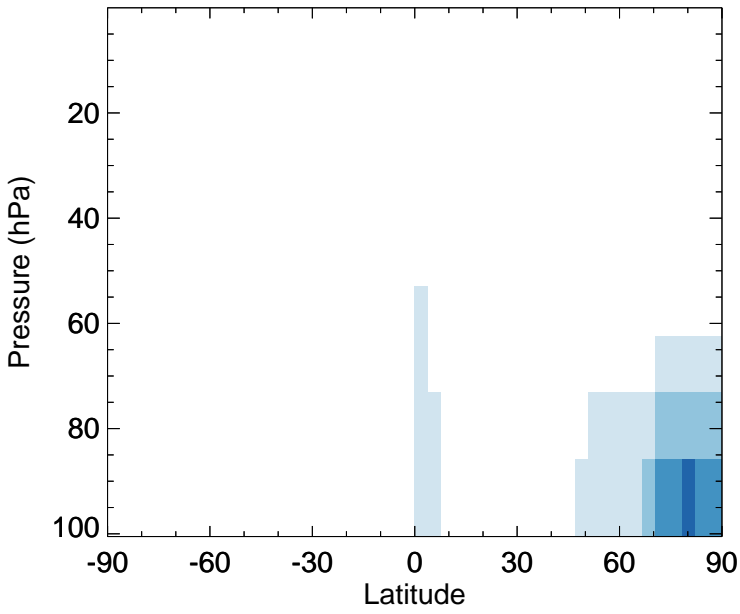
HNO<sub>2</sub> - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

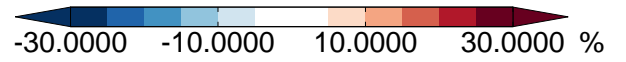
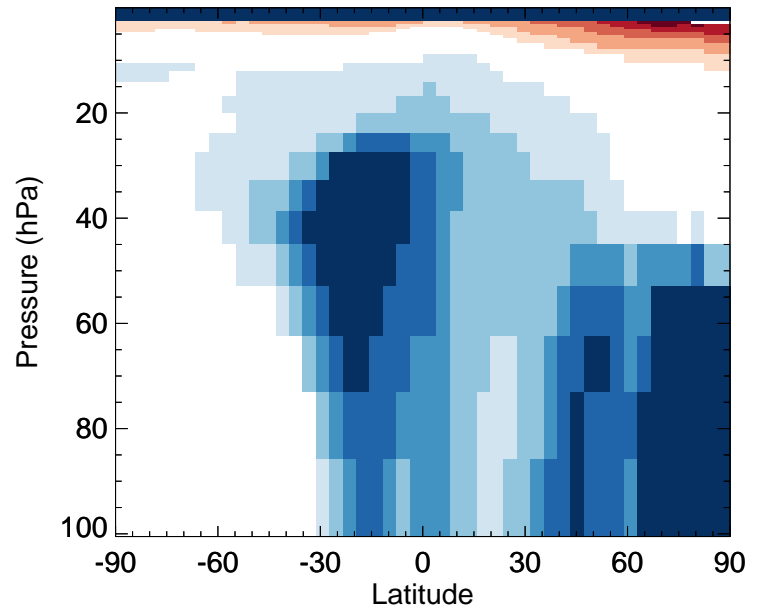
GC\_12.0.0 - v11-02f-Run1

BENZ - Strat zonal mean abs diff for Jul



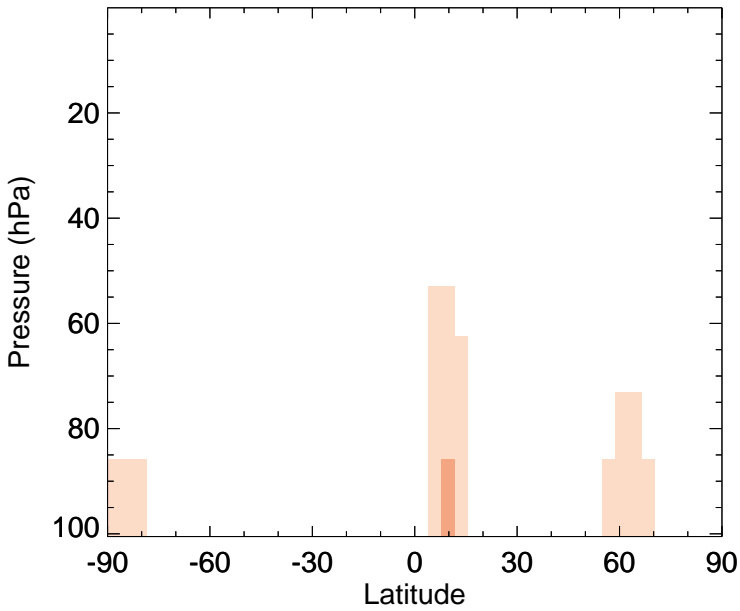
GC\_12.0.0 / v11-02f-Run1

BENZ - Strat zonal mean % diff for Jul



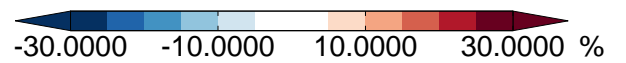
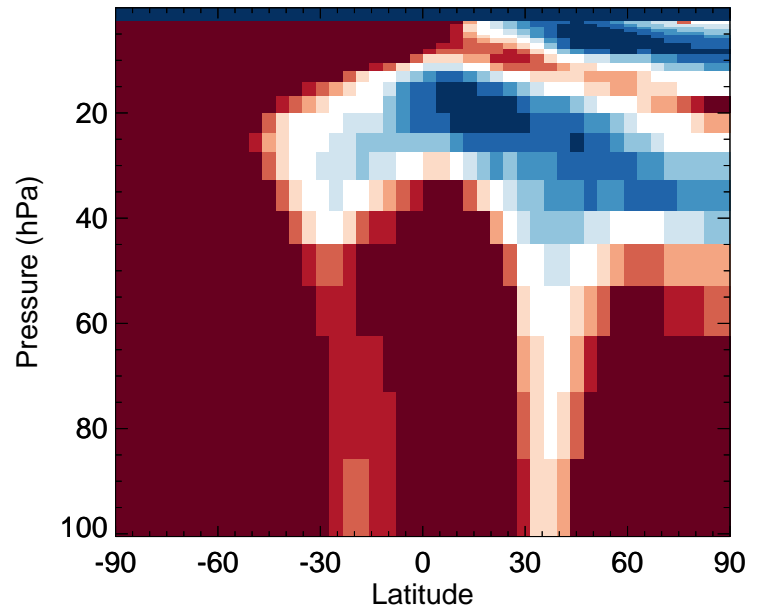
GC\_12.0.0 - v11-02e-Run1

BENZ - Strat zonal mean abs diff for Jul



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

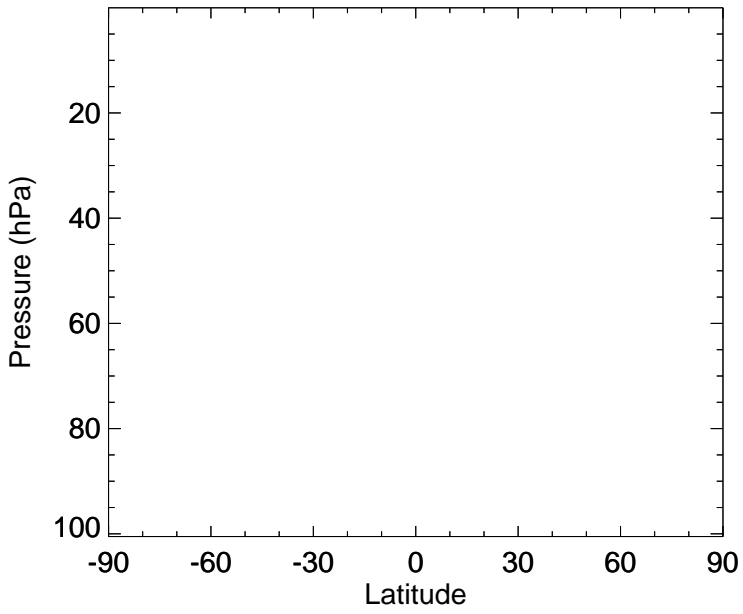
BENZ - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

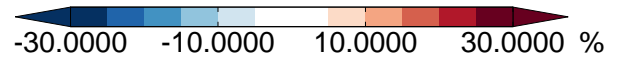
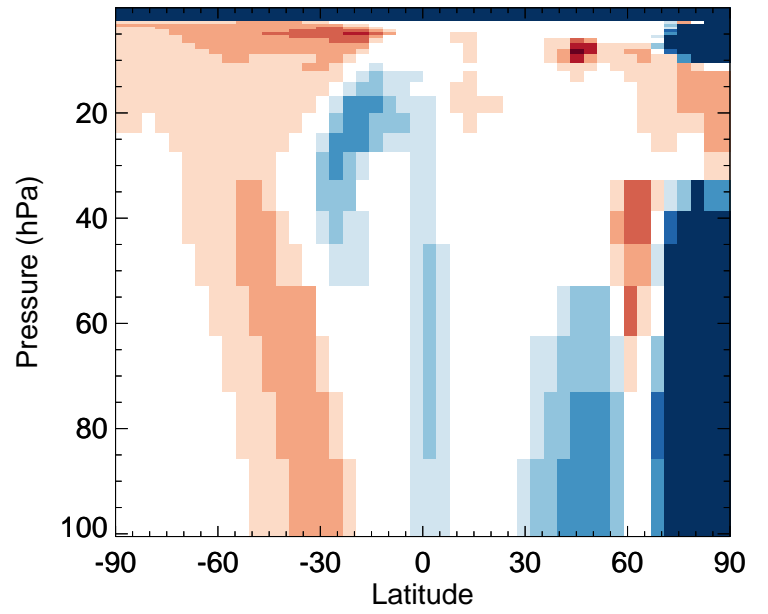
GC\_12.0.0 - v11-02f-Run1

TOLU - Strat zonal mean abs diff for Jul



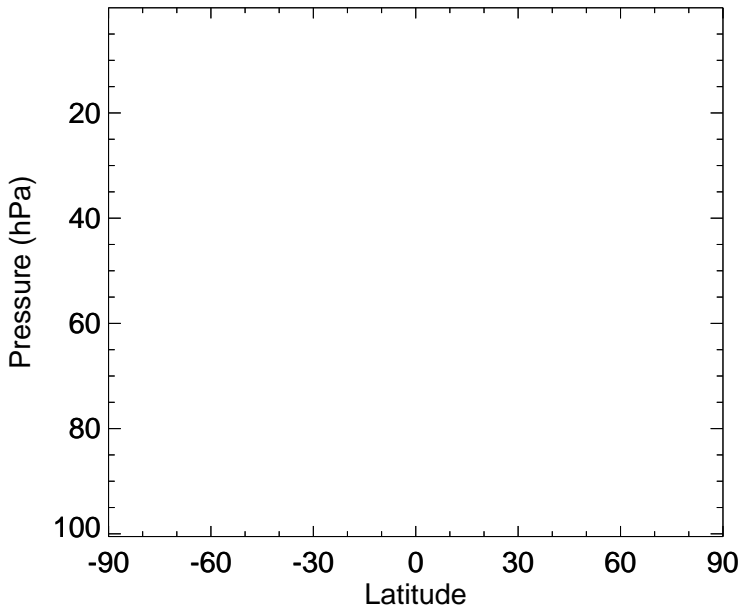
GC\_12.0.0 / v11-02f-Run1

TOLU - Strat zonal mean % diff for Jul



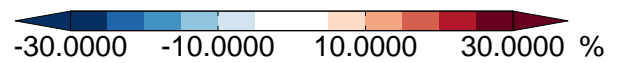
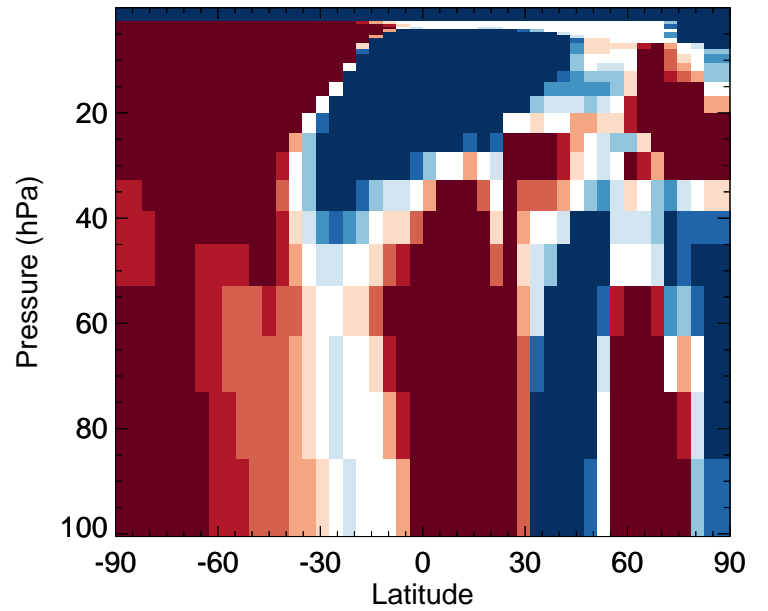
GC\_12.0.0 - v11-02e-Run1

TOLU - Strat zonal mean abs diff for Jul



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

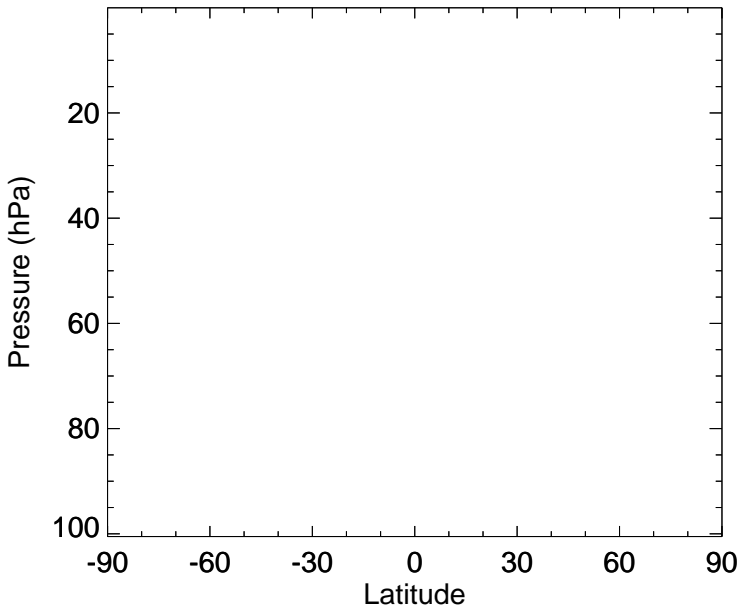
TOLU - Strat zonal mean % diff for Jul



# GEOS-Chem Stratospheric Zonal Difference Maps

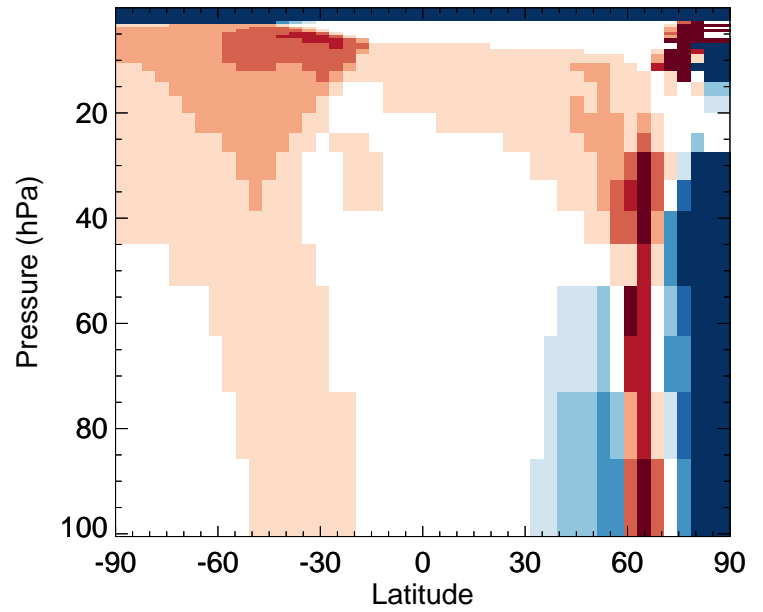
GC\_12.0.0 - v11-02f-Run1

XYLE - Strat zonal mean abs diff for Jul



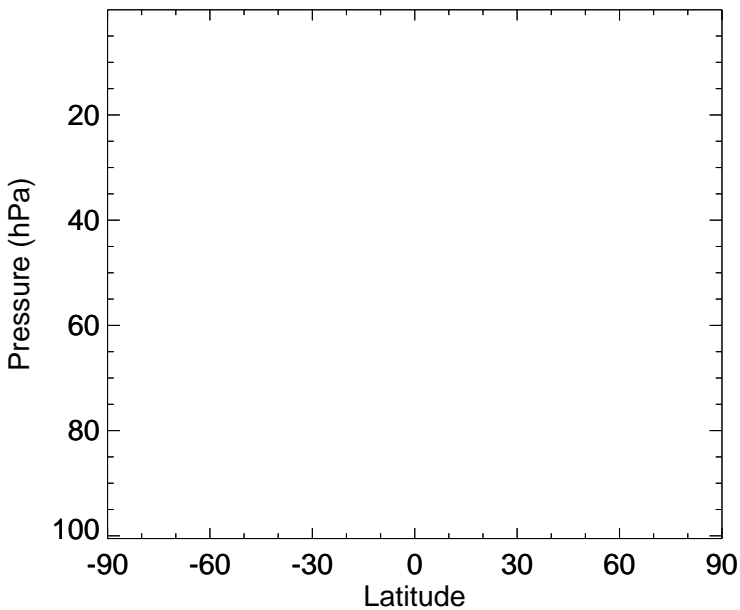
GC\_12.0.0 / v11-02f-Run1

XYLE - Strat zonal mean % diff for Jul



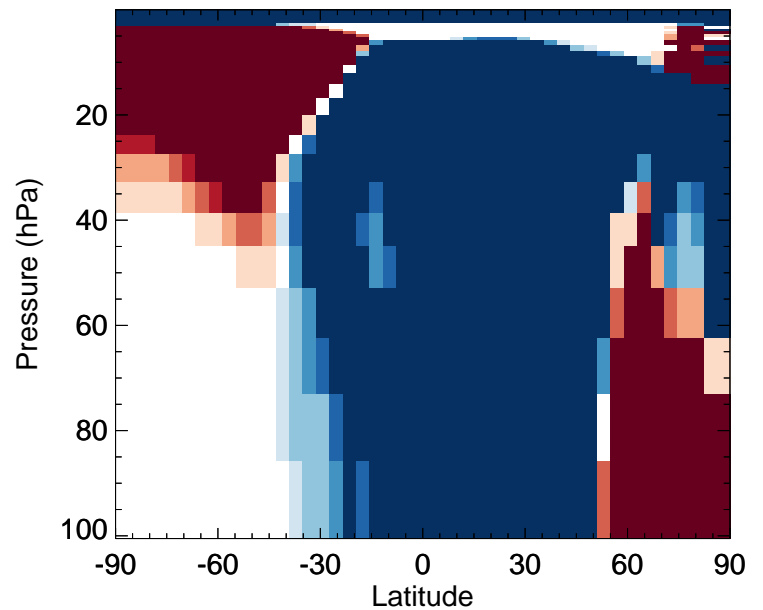
GC\_12.0.0 - v11-02e-Run1

XYLE - Strat zonal mean abs diff for Jul



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

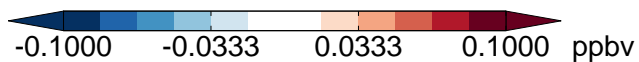
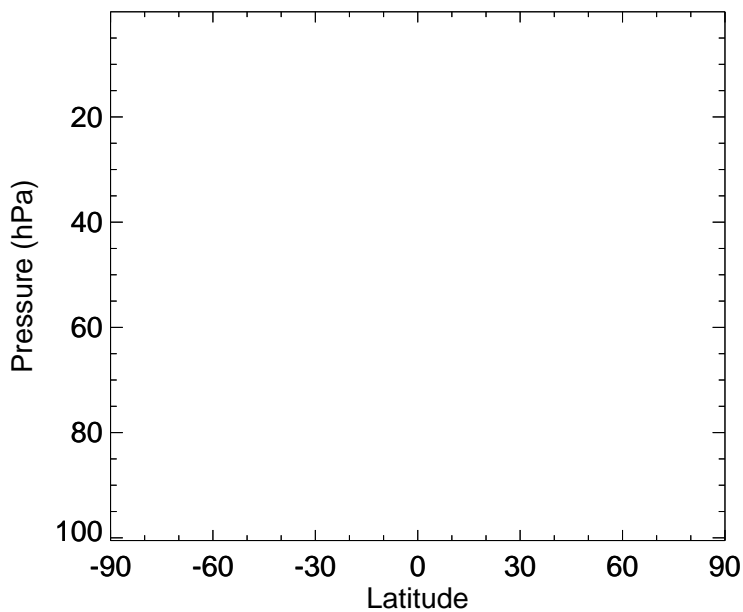
XYLE - Strat zonal mean % diff for Jul



# GEOS-Chem Stratospheric Zonal Difference Maps

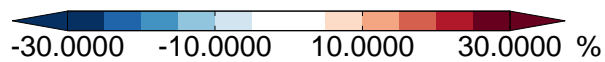
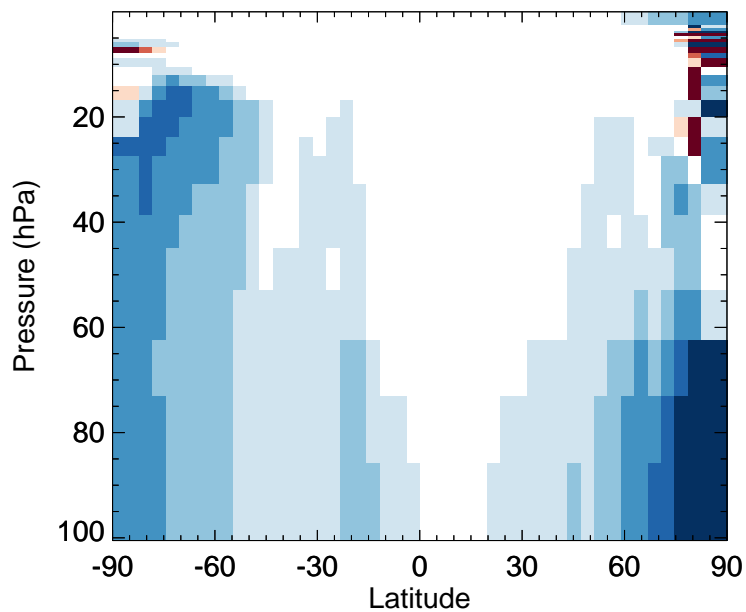
## GC\_12.0.0 - v11-02f-Run1

MTPA - Strat zonal mean abs diff for Jul



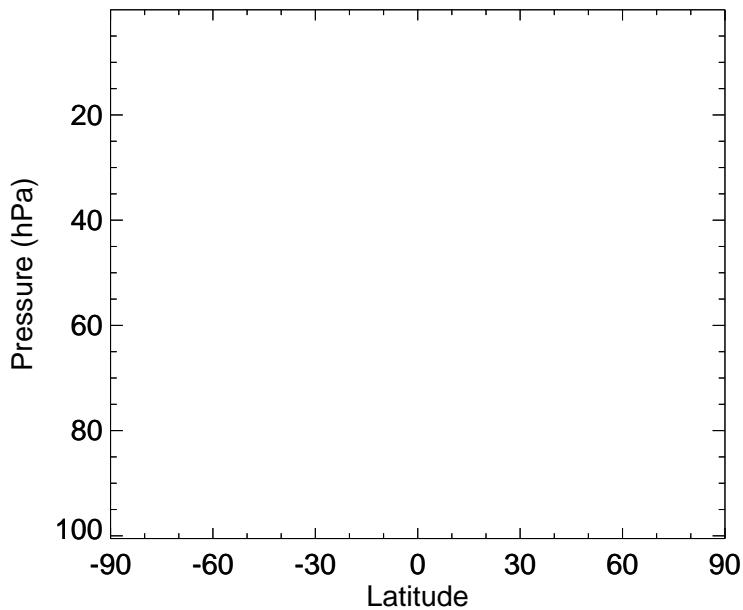
## GC\_12.0.0 / v11-02f-Run1

MTPA - Strat zonal mean % diff for Jul



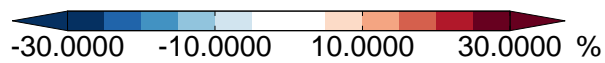
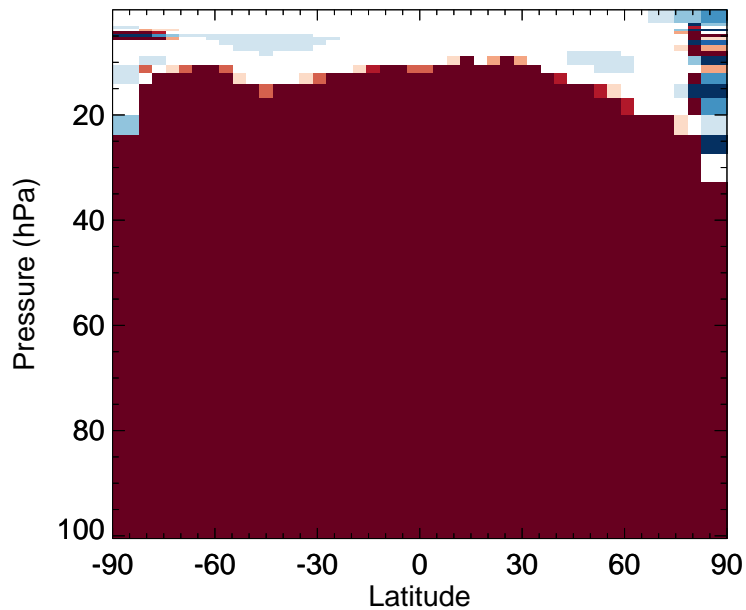
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MTPA - Strat zonal mean abs diff for Jul



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

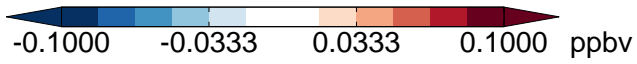
MTPA - Strat zonal mean % diff for Jul



# GEOS-Chem Stratospheric Zonal Difference Maps

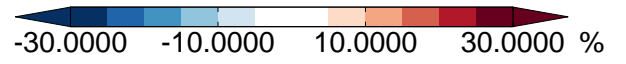
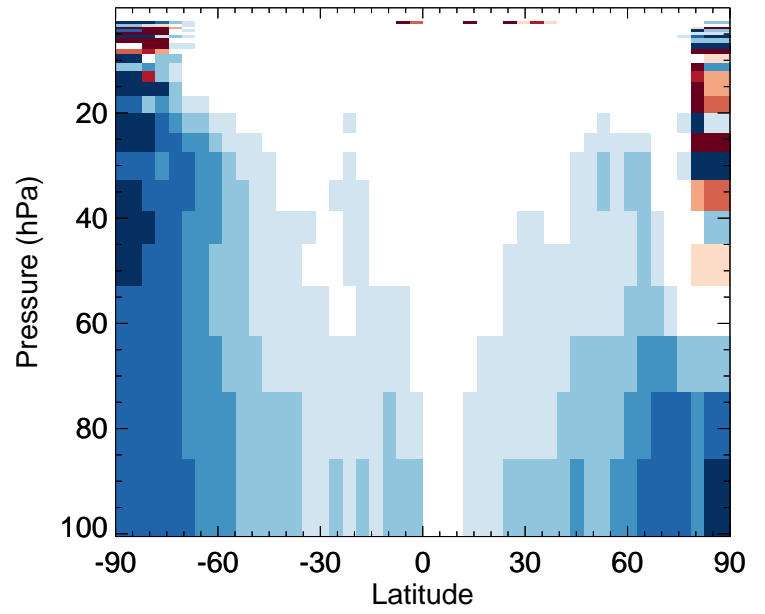
GC\_12.0.0 - v11-02f-Run1

LIMO - Strat zonal mean abs diff for Jul



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

LIMO - Strat zonal mean % diff for Jul



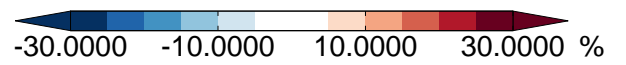
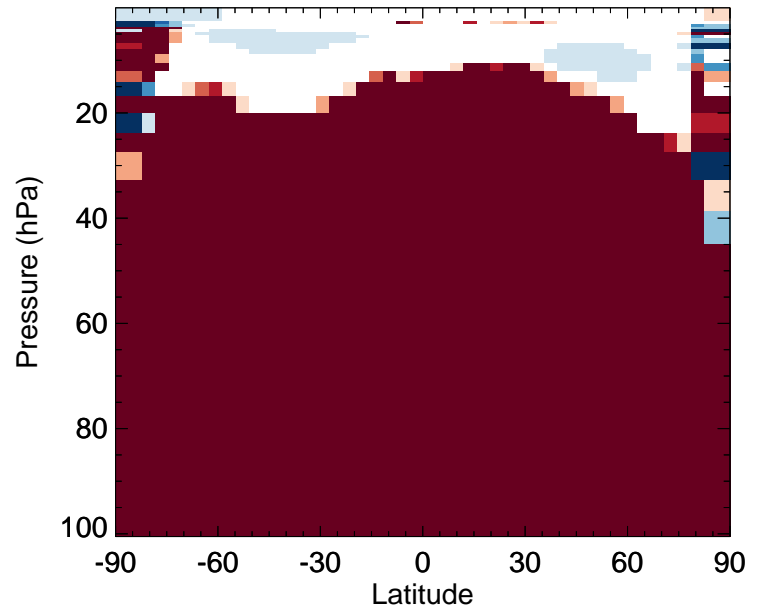
GC\_12.0.0 - v11-02e-Run1

LIMO - Strat zonal mean abs diff for Jul



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

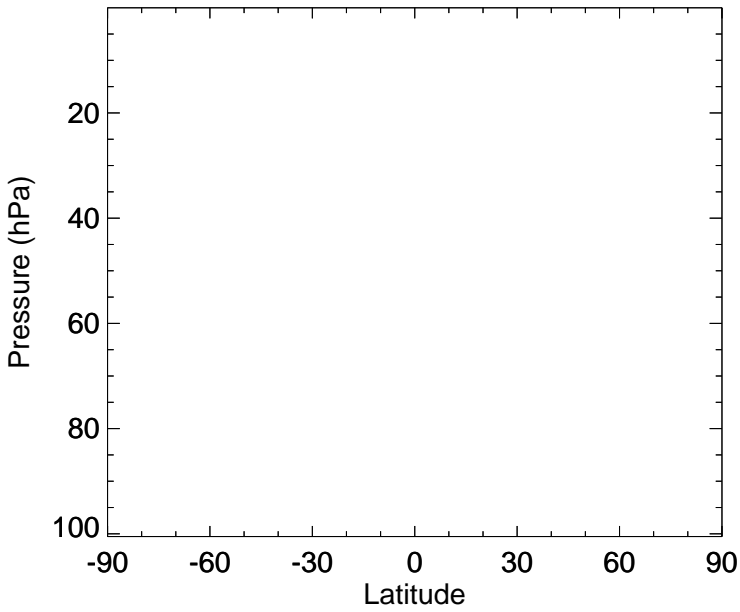
LIMO - Strat zonal mean % diff for Jul



# GEOS-Chem Stratospheric Zonal Difference Maps

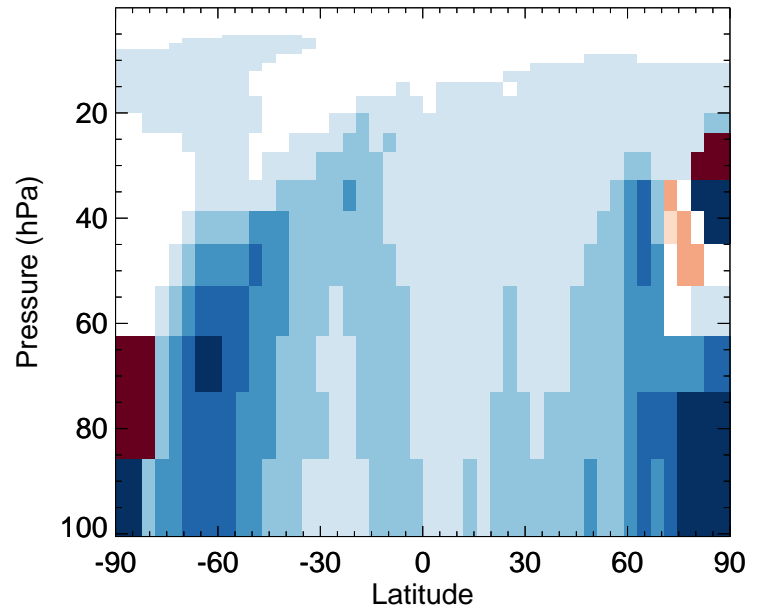
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MTPO - Strat zonal mean abs diff for Jul



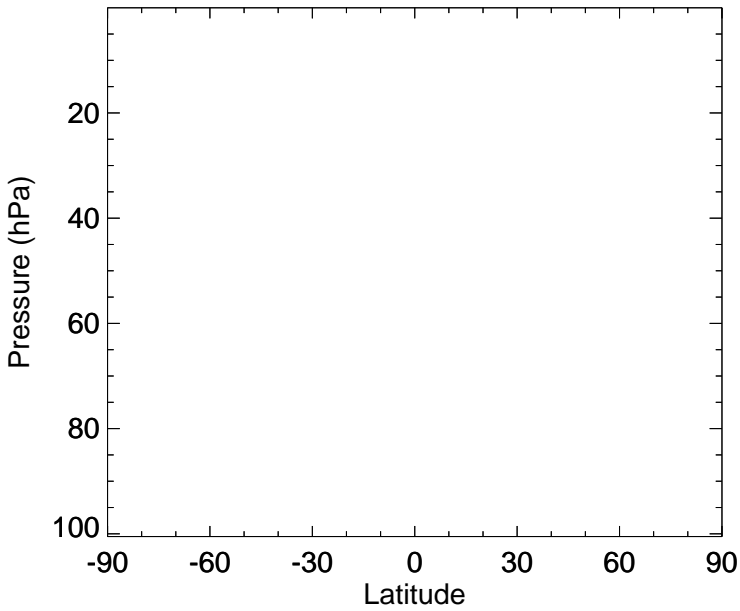
GC\_12.0.0 / v11-02f-Run1

MTPO - Strat zonal mean % diff for Jul



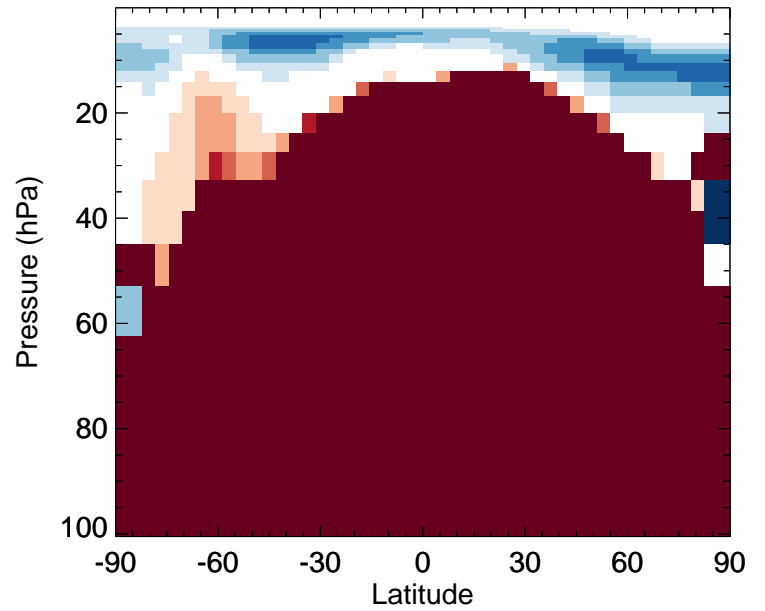
GC\_12.0.0 - v11-02e-Run1

MTPO - Strat zonal mean abs diff for Jul



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

MTPO - Strat zonal mean % diff for Jul





# GEOS-Chem Stratospheric Zonal Difference Maps

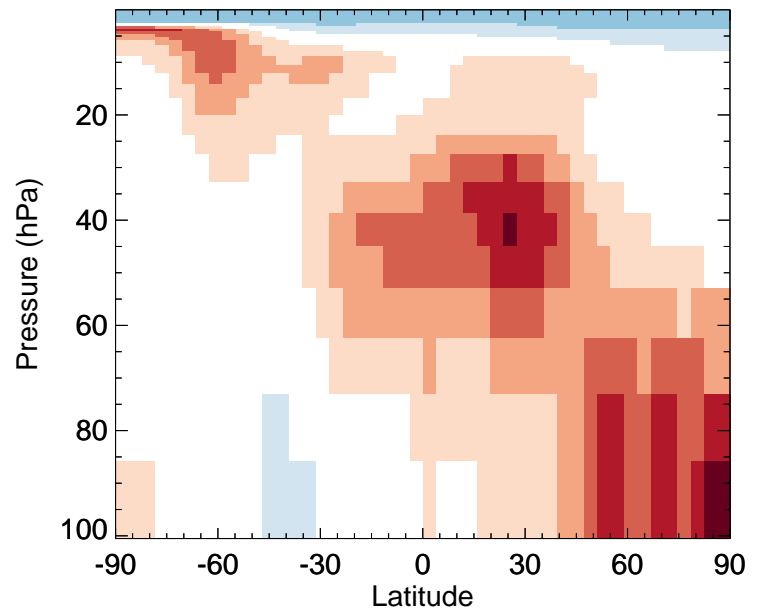
GC\_12.0.0 - v11-02f-Run1

TSOG1 - Strat zonal mean abs diff for Jul



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

TSOG1 - Strat zonal mean % diff for Jul



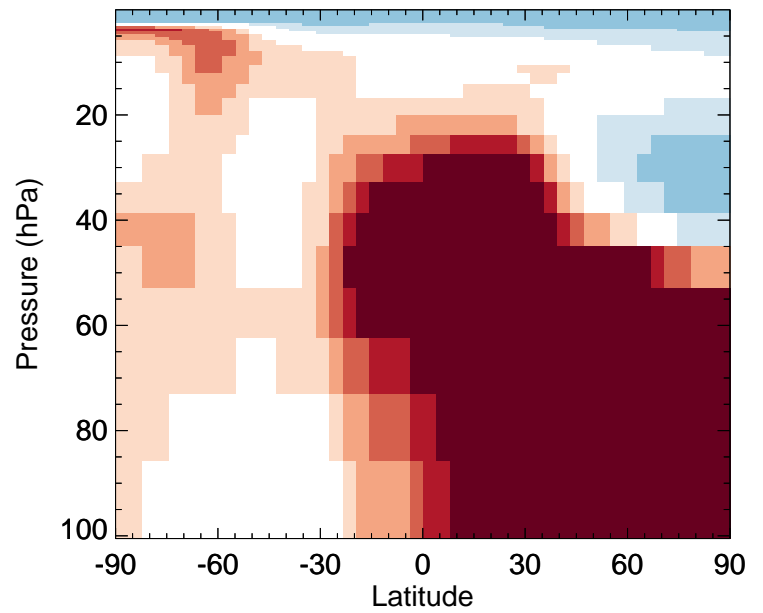
GC\_12.0.0 - v11-02e-Run1

TSOG1 - Strat zonal mean abs diff for Jul



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

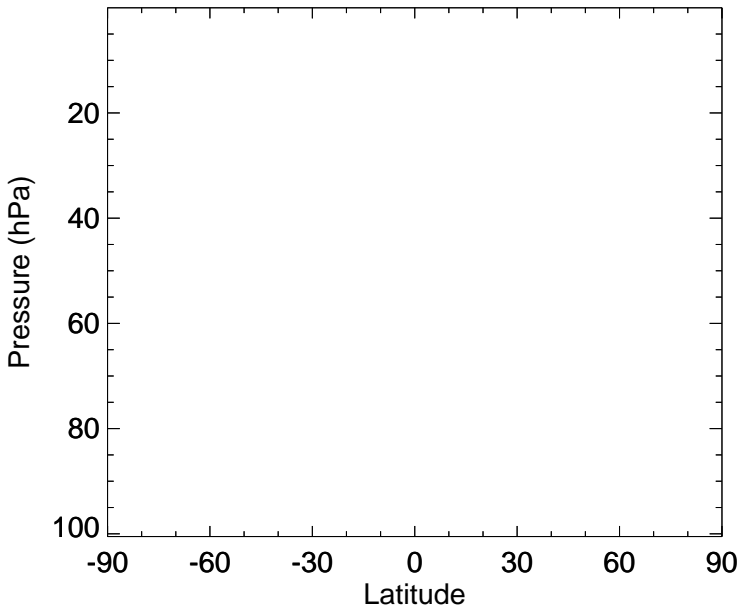
TSOG1 - Strat zonal mean % diff for Jul



# GEOS-Chem Stratospheric Zonal Difference Maps

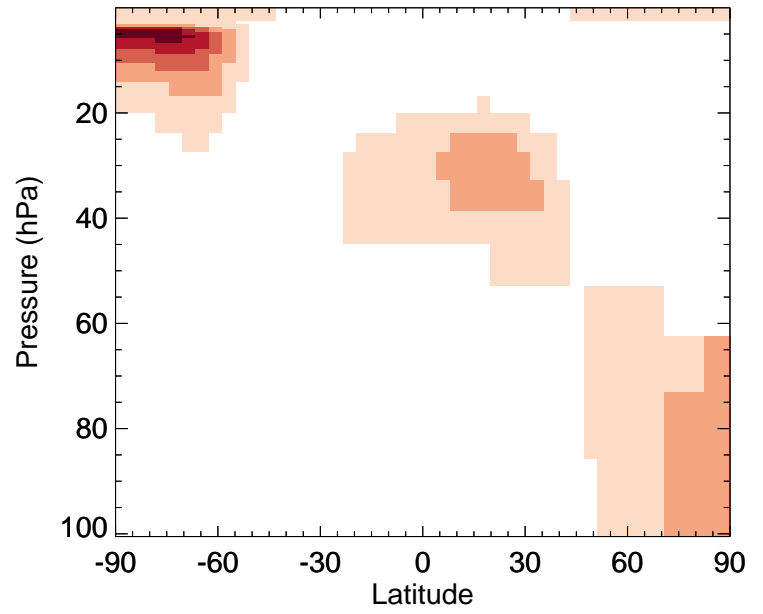
## GC\_12.0.0 - v11-02f-Run1

### TSOG2 - Strat zonal mean abs diff for Jul



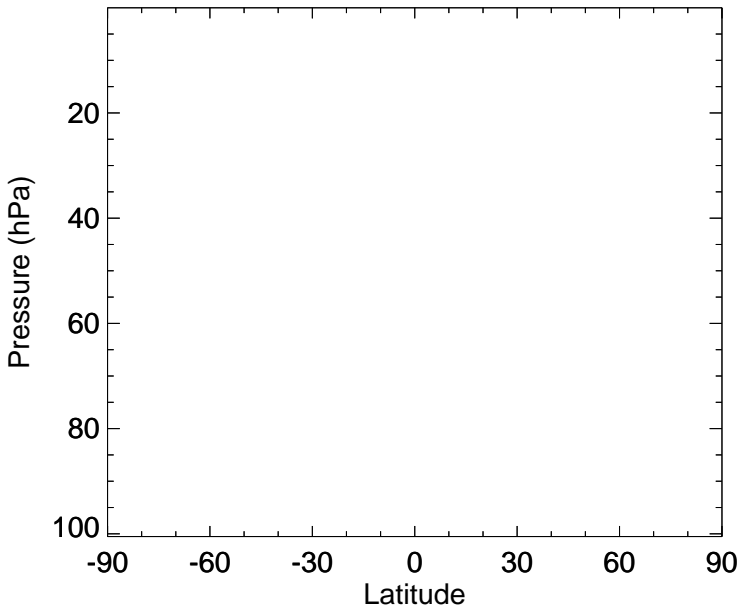
## GC\_12.0.0 / v11-02f-Run1

### TSOG2 - Strat zonal mean % diff for Jul



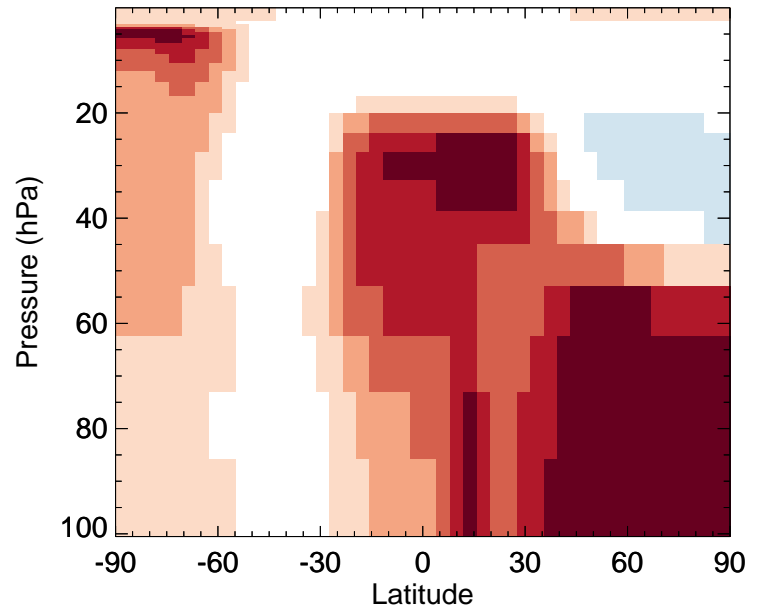
## GC\_12.0.0 - v11-02e-Run1

### TSOG2 - Strat zonal mean abs diff for Jul



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

### TSOG2 - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

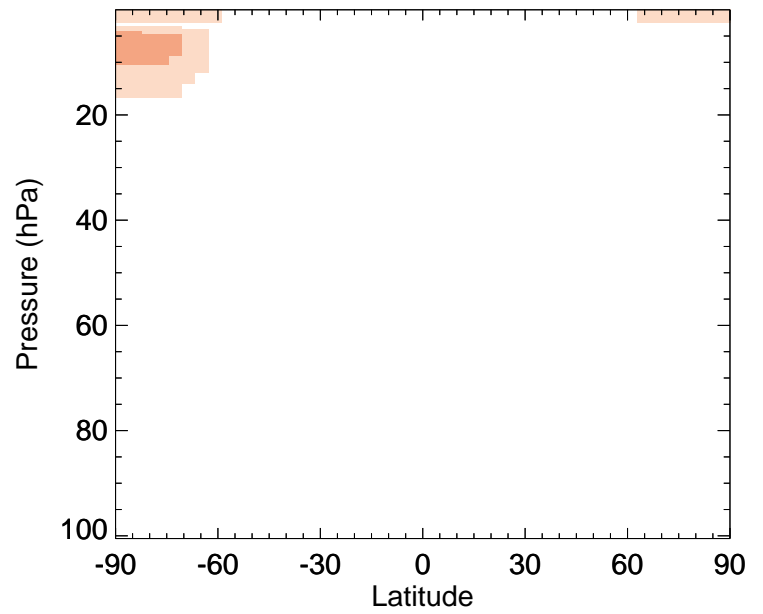
GC\_12.0.0 - v11-02f-Run1

TSOG3 - Strat zonal mean abs diff for Jul



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

TSOG3 - Strat zonal mean % diff for Jul



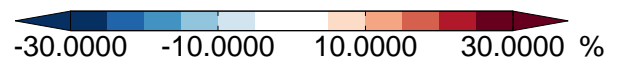
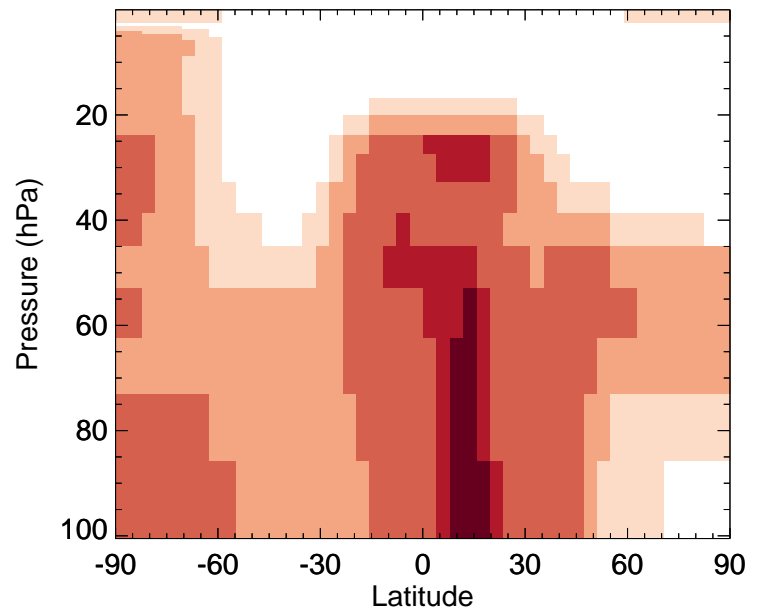
GC\_12.0.0 - v11-02e-Run1

TSOG3 - Strat zonal mean abs diff for Jul



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

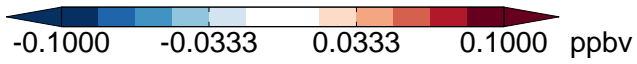
TSOG3 - Strat zonal mean % diff for Jul



# GEOS-Chem Stratospheric Zonal Difference Maps

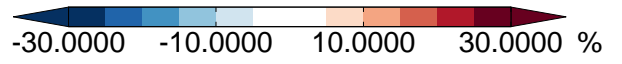
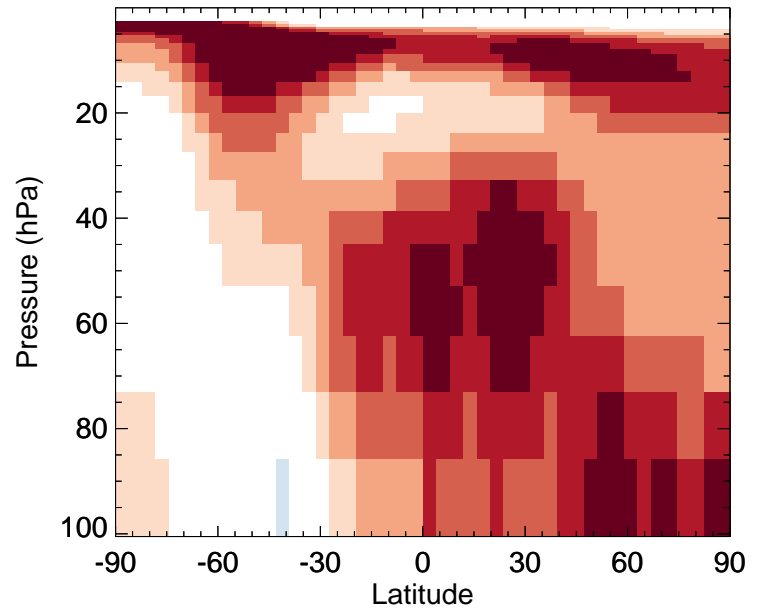
GC\_12.0.0 - v11-02f-Run1

TSOG0 - Strat zonal mean abs diff for Jul



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

TSOG0 - Strat zonal mean % diff for Jul



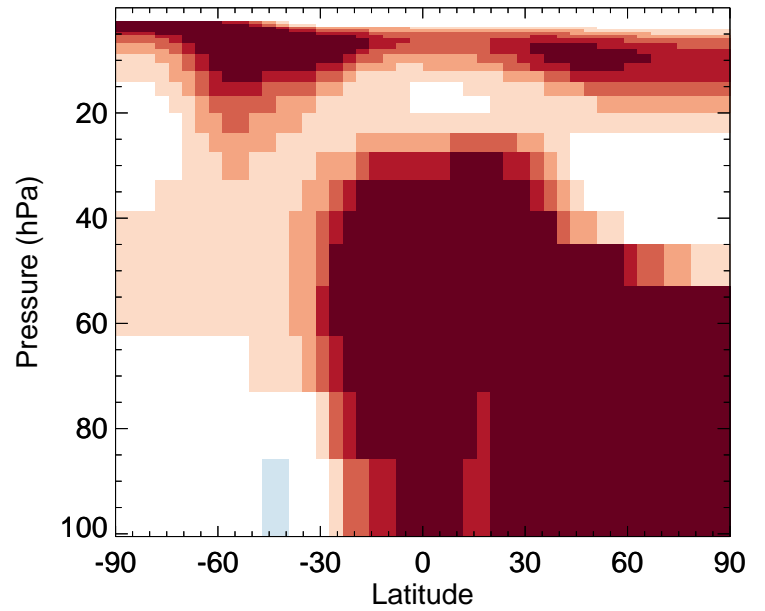
GC\_12.0.0 - v11-02e-Run1

TSOG0 - Strat zonal mean abs diff for Jul



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

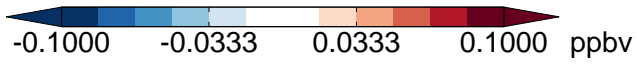
TSOG0 - Strat zonal mean % diff for Jul



# GEOS-Chem Stratospheric Zonal Difference Maps

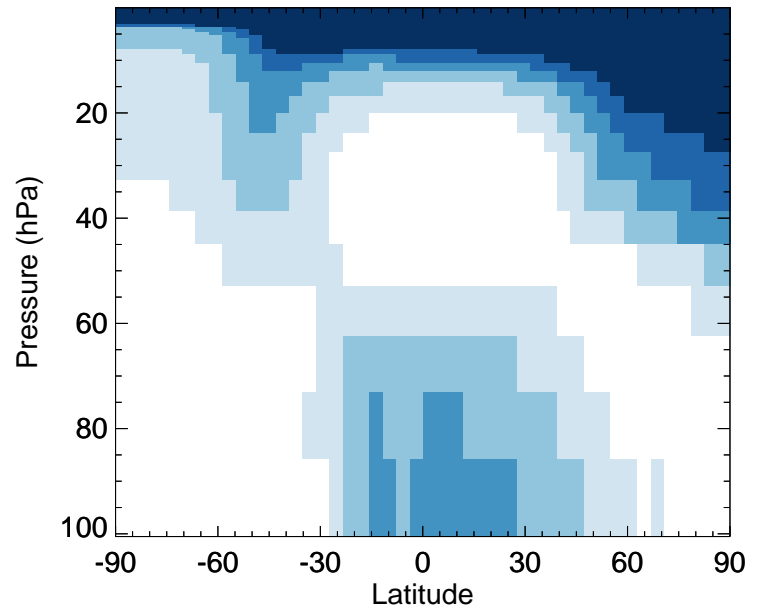
GC\_12.0.0 - v11-02f-Run1

TSOA1 - Strat zonal mean abs diff for Jul



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

TSOA1 - Strat zonal mean % diff for Jul



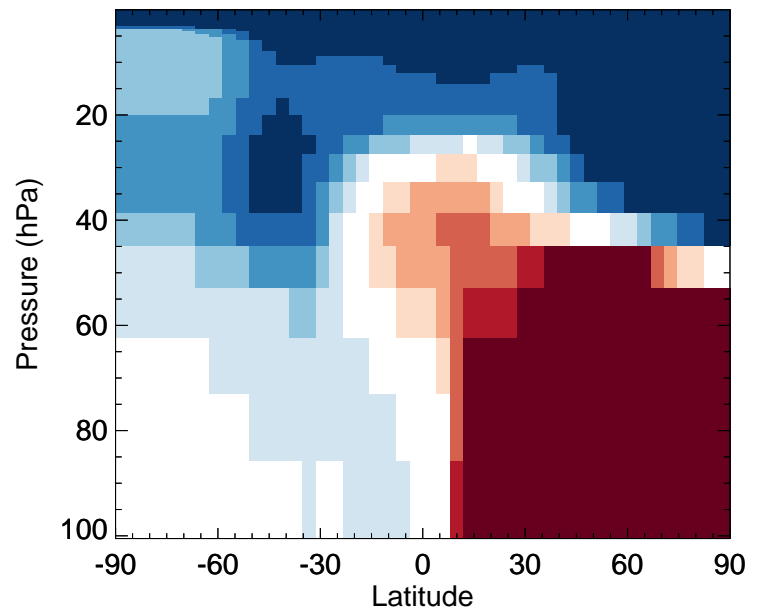
GC\_12.0.0 - v11-02e-Run1

TSOA1 - Strat zonal mean abs diff for Jul



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

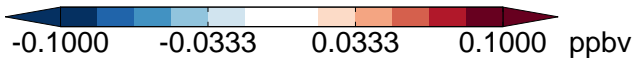
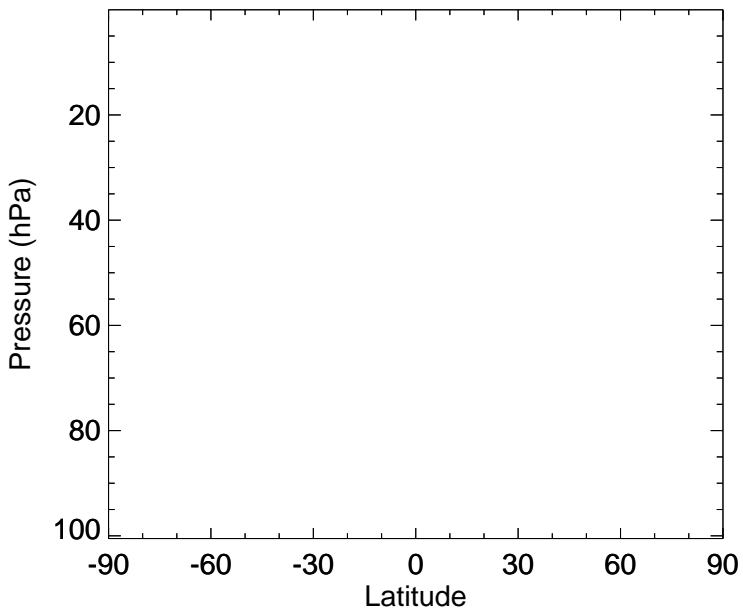
TSOA1 - Strat zonal mean % diff for Jul



# GEOS-Chem Stratospheric Zonal Difference Maps

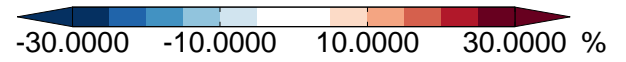
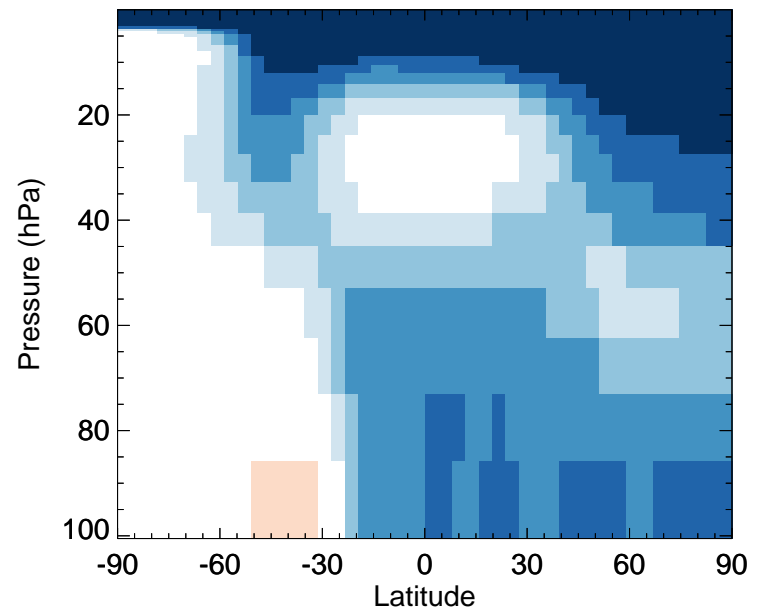
GC\_12.0.0 - v11-02f-Run1

TSOA2 - Strat zonal mean abs diff for Jul



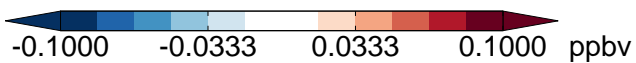
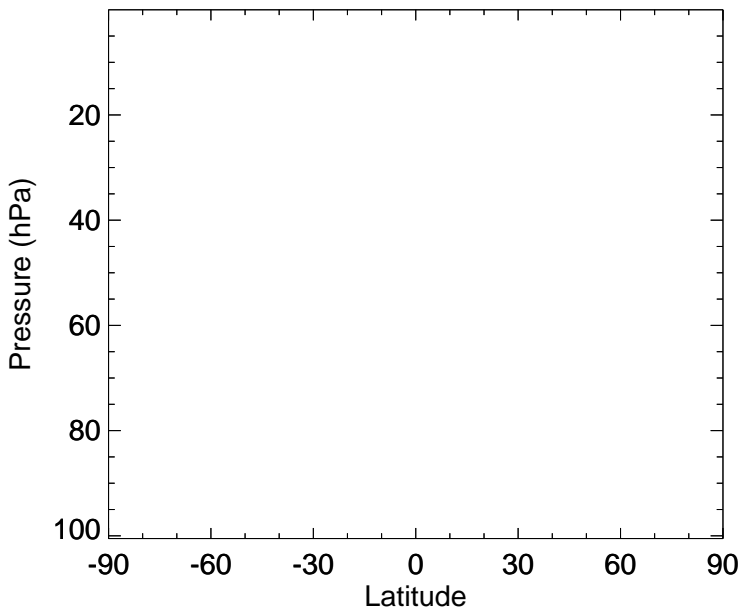
GC\_12.0.0 / v11-02f-Run1

TSOA2 - Strat zonal mean % diff for Jul



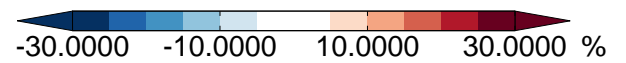
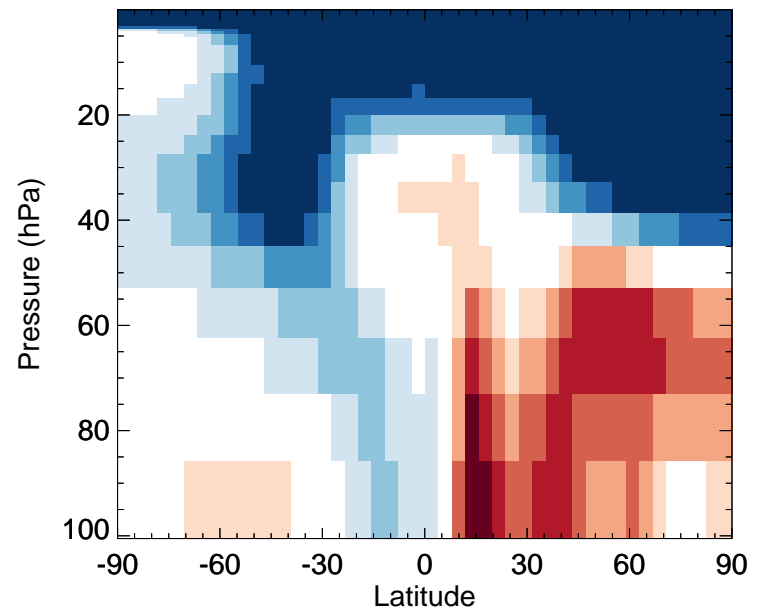
GC\_12.0.0 - v11-02e-Run1

TSOA2 - Strat zonal mean abs diff for Jul



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

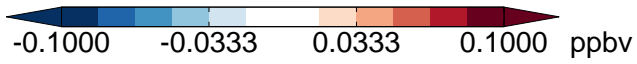
TSOA2 - Strat zonal mean % diff for Jul



# GEOS-Chem Stratospheric Zonal Difference Maps

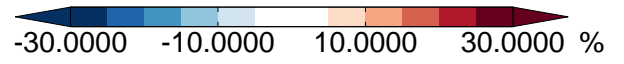
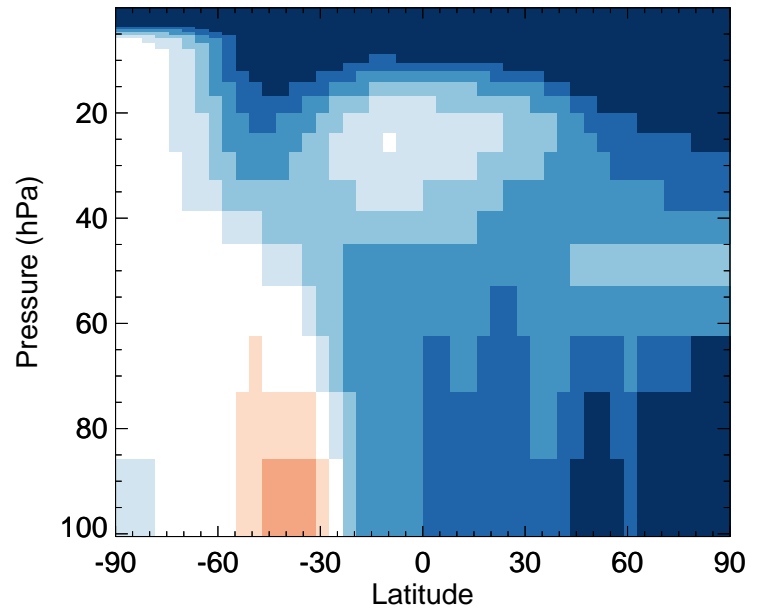
GC\_12.0.0 - v11-02f-Run1

TSOA3 - Strat zonal mean abs diff for Jul



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

TSOA3 - Strat zonal mean % diff for Jul



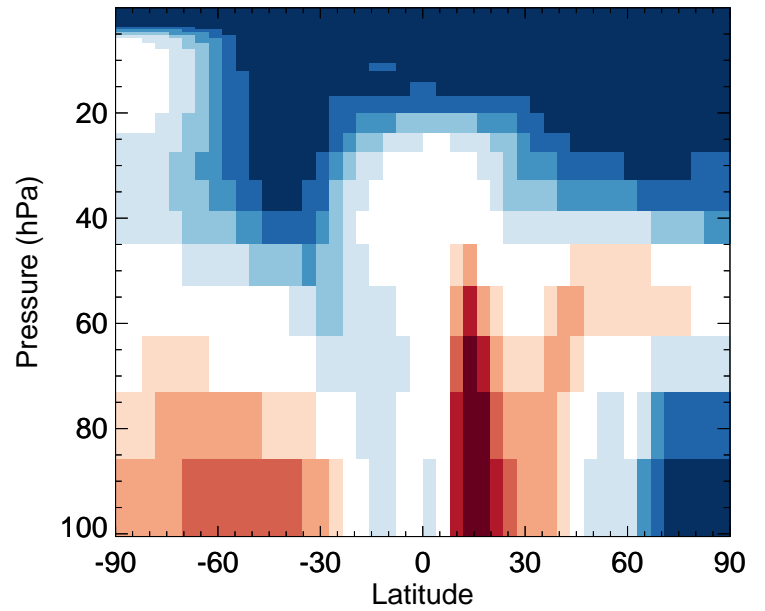
GC\_12.0.0 - v11-02e-Run1

TSOA3 - Strat zonal mean abs diff for Jul



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

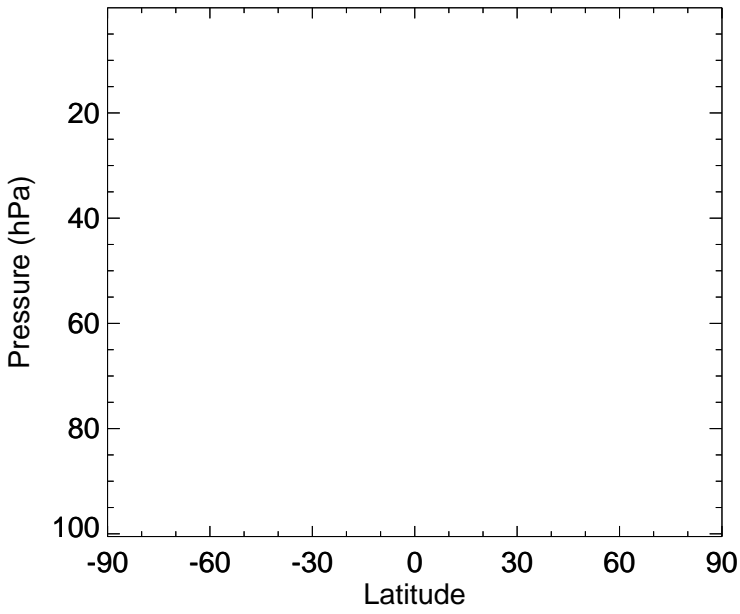
TSOA3 - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

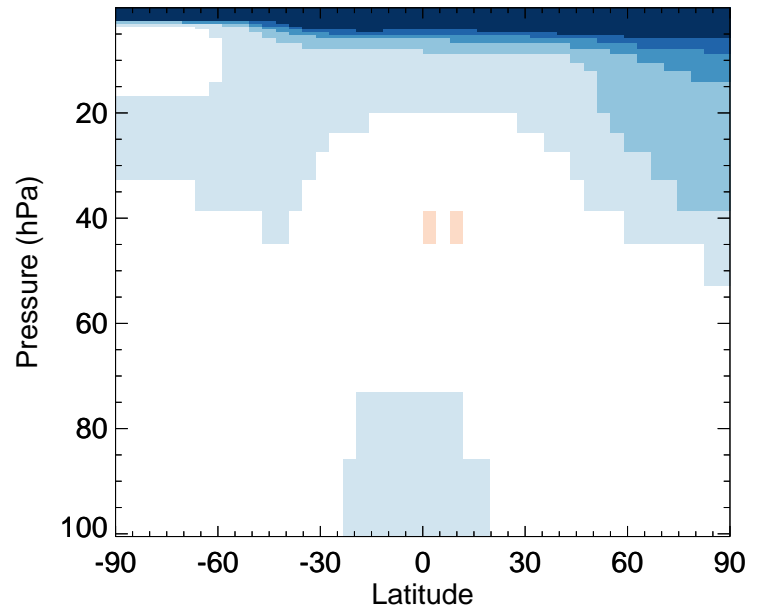
GC\_12.0.0 - v11-02f-Run1

TSOA0 - Strat zonal mean abs diff for Jul



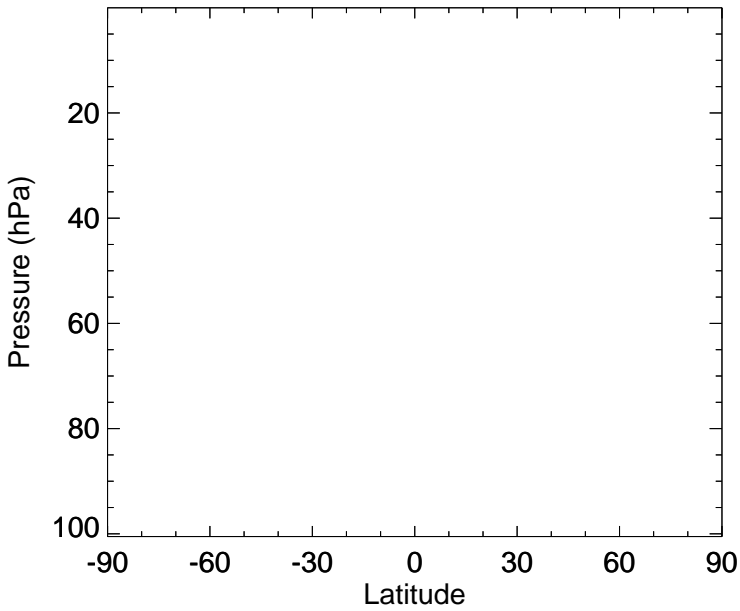
GC\_12.0.0 / v11-02f-Run1

TSOA0 - Strat zonal mean % diff for Jul



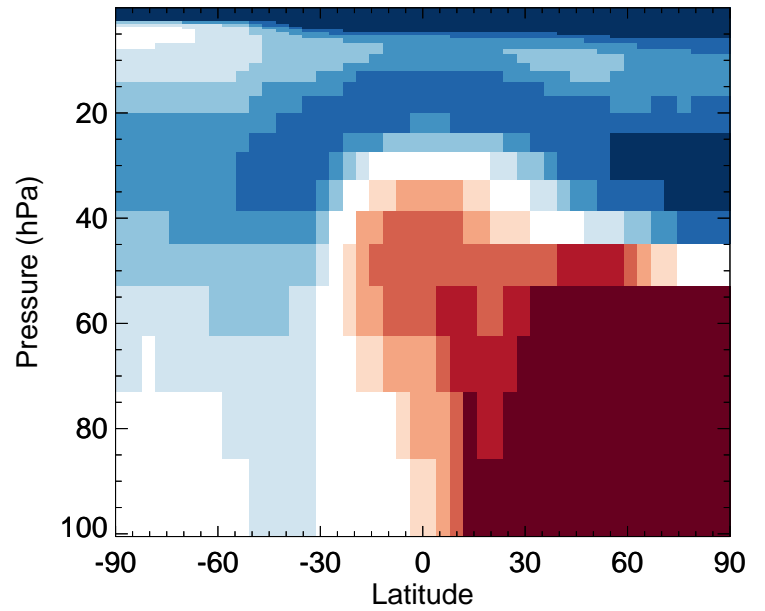
GC\_12.0.0 - v11-02e-Run1

TSOA0 - Strat zonal mean abs diff for Jul



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

TSOA0 - Strat zonal mean % diff for Jul





GEOS-Chem Stratospheric Zonal Difference Maps

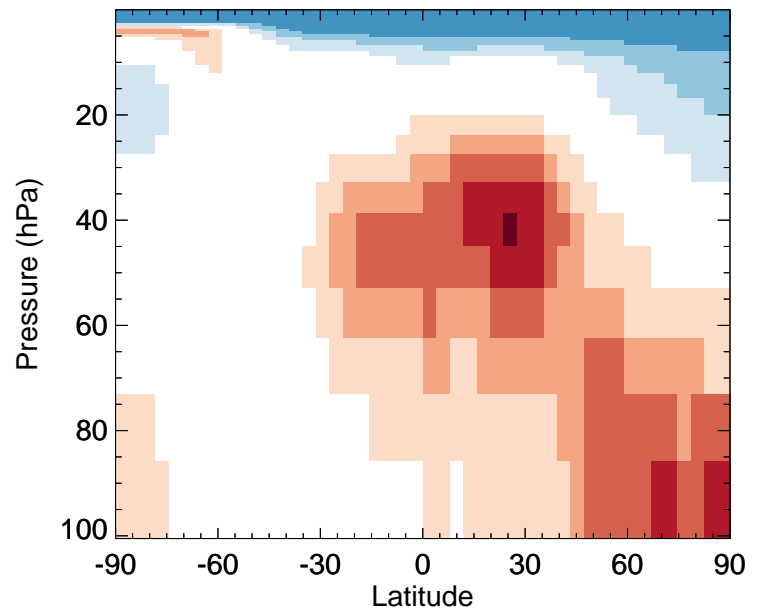
GC\_12.0.0 - v11-02f-Run1

ISOG1 - Strat zonal mean abs diff for Jul



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

ISOG1 - Strat zonal mean % diff for Jul



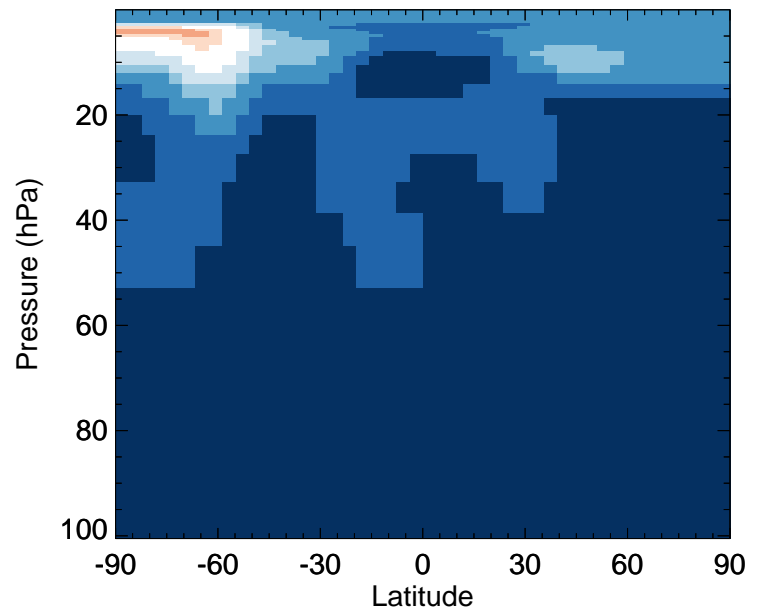
GC\_12.0.0 - v11-02e-Run1

ISOG1 - Strat zonal mean abs diff for Jul



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

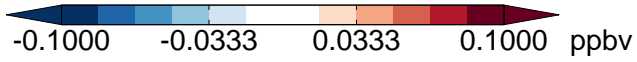
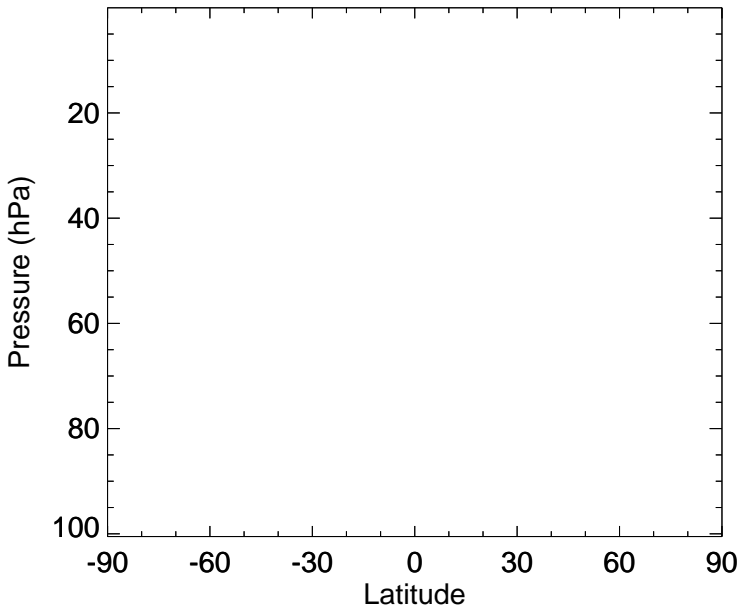
ISOG1 - Strat zonal mean % diff for Jul



# GEOS-Chem Stratospheric Zonal Difference Maps

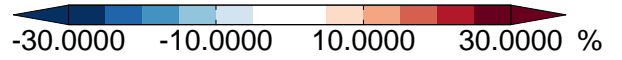
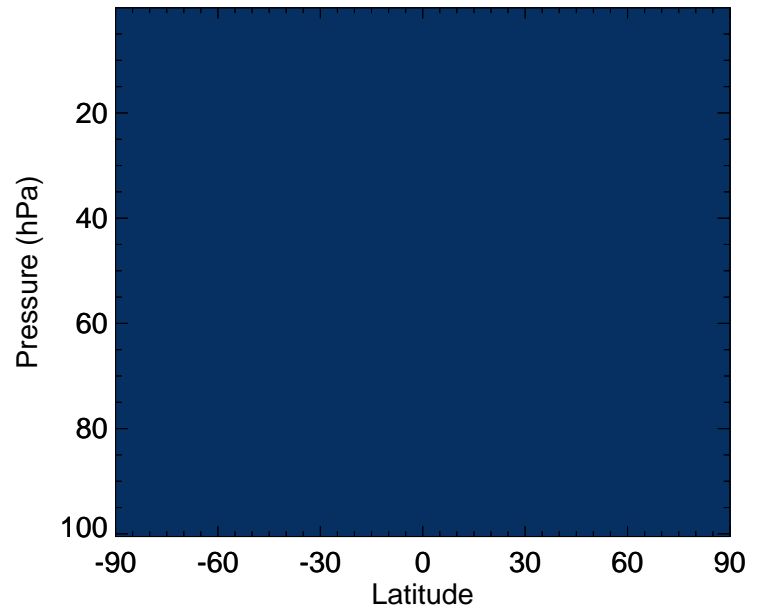
GC\_12.0.0 - v11-02f-Run1

ISO2 - Strat zonal mean abs diff for Jul



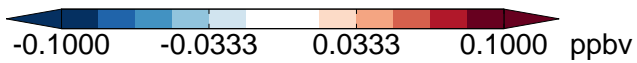
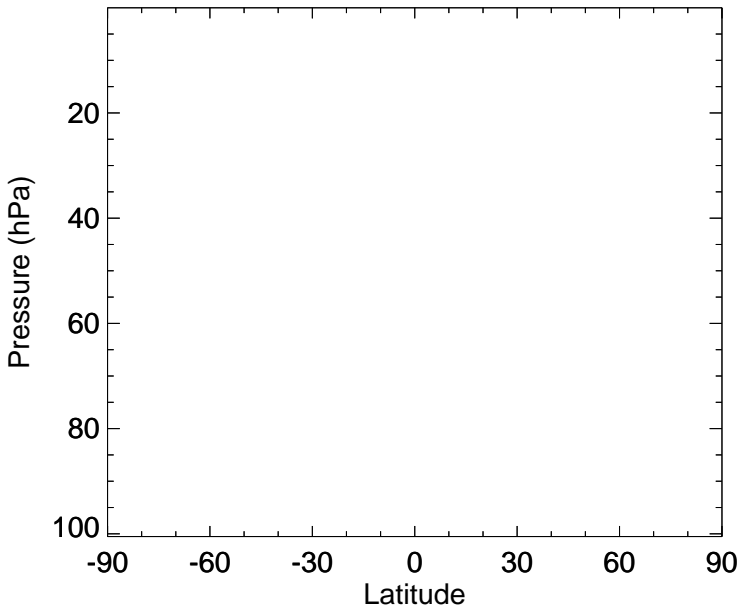
GC\_12.0.0 / v11-02f-Run1

ISO2 - Strat zonal mean % diff for Jul



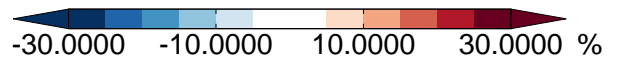
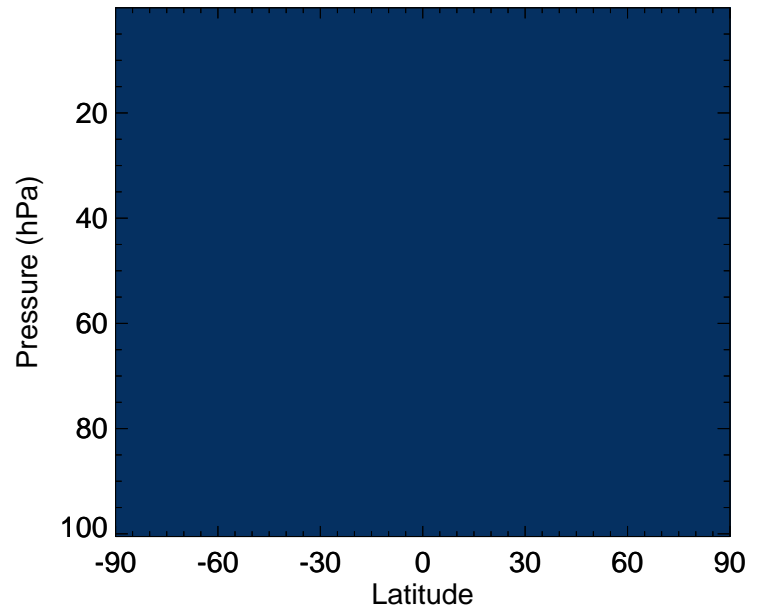
GC\_12.0.0 - v11-02e-Run1

ISO2 - Strat zonal mean abs diff for Jul



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

ISO2 - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

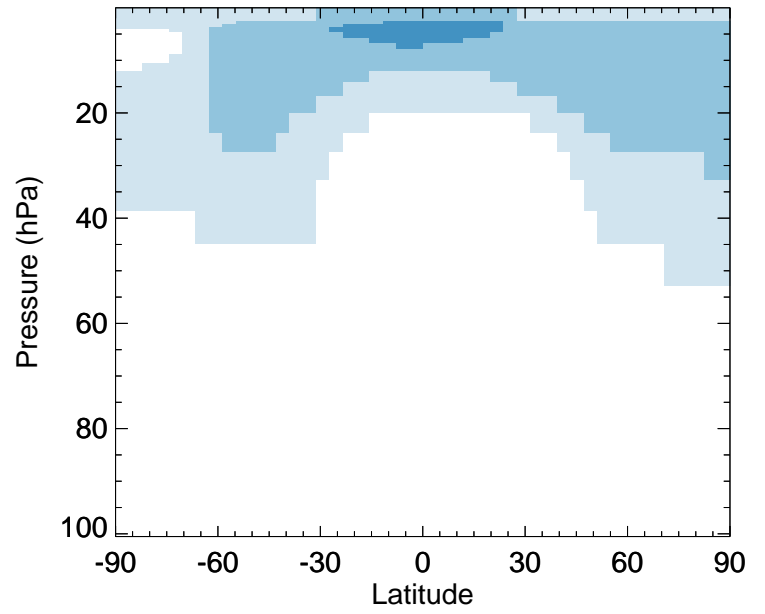
GC\_12.0.0 - v11-02f-Run1

ISO3 - Strat zonal mean abs diff for Jul



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

ISO3 - Strat zonal mean % diff for Jul



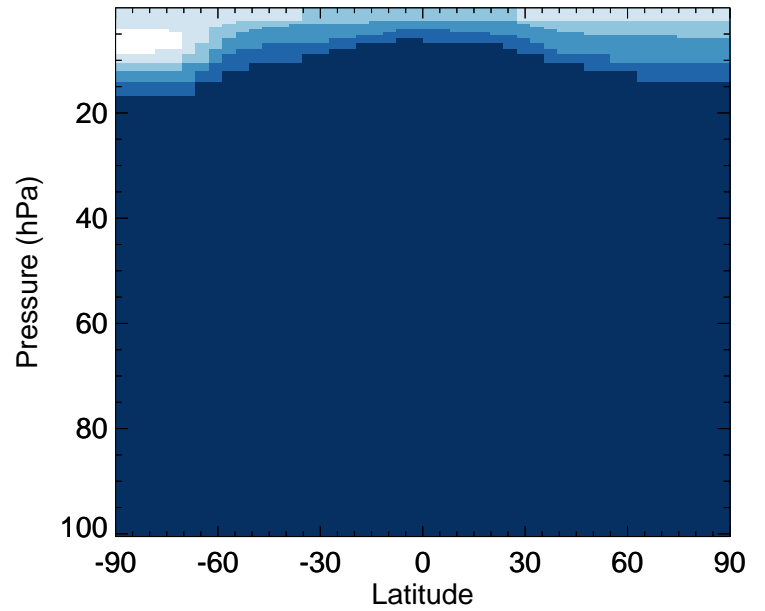
GC\_12.0.0 - v11-02e-Run1

ISO3 - Strat zonal mean abs diff for Jul



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

ISO3 - Strat zonal mean % diff for Jul



# GEOS-Chem Stratospheric Zonal Difference Maps

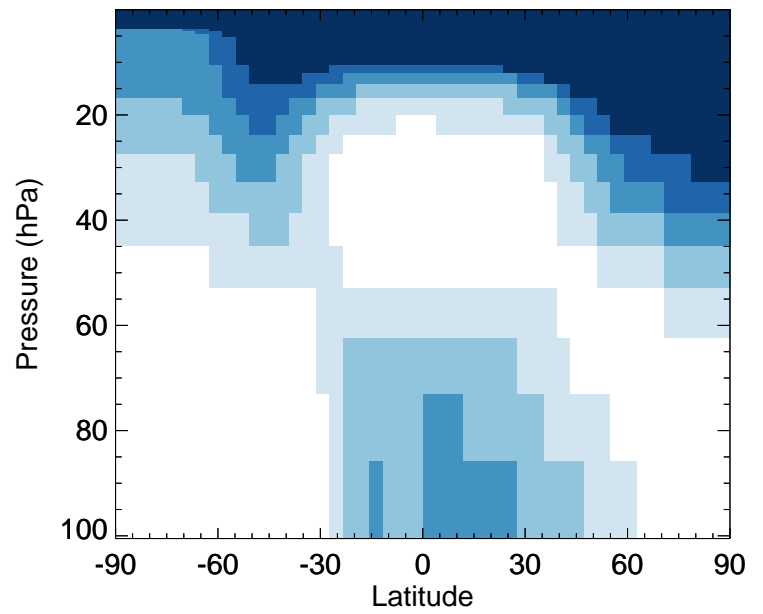
GC\_12.0.0 - v11-02f-Run1

ISOA1 - Strat zonal mean abs diff for Jul



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

ISOA1 - Strat zonal mean % diff for Jul



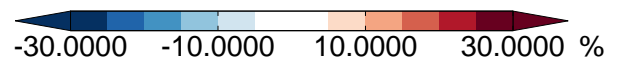
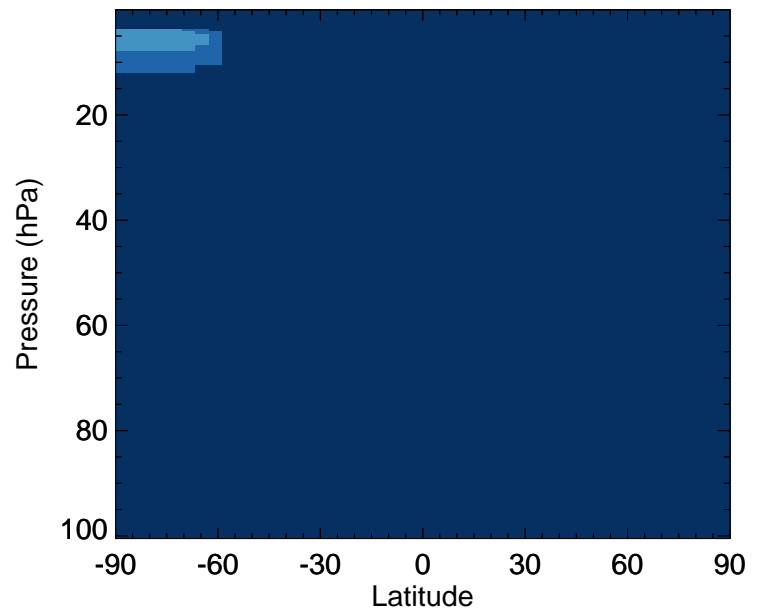
GC\_12.0.0 - v11-02e-Run1

ISOA1 - Strat zonal mean abs diff for Jul



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

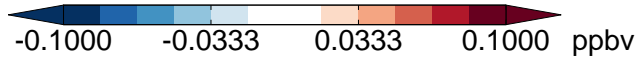
ISOA1 - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

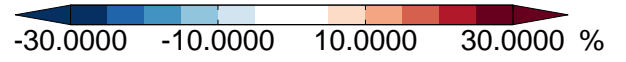
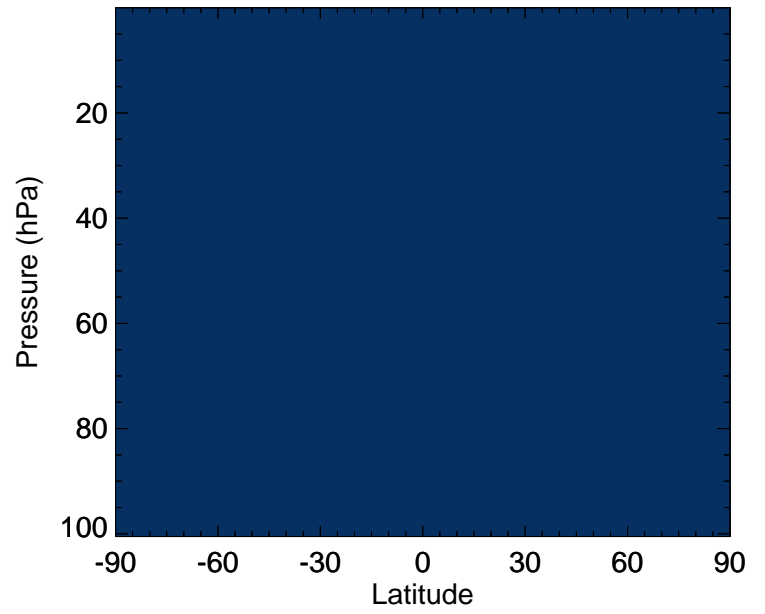
GC\_12.0.0 - v11-02f-Run1

ISOA2 - Strat zonal mean abs diff for Jul



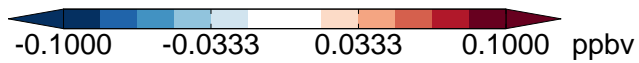
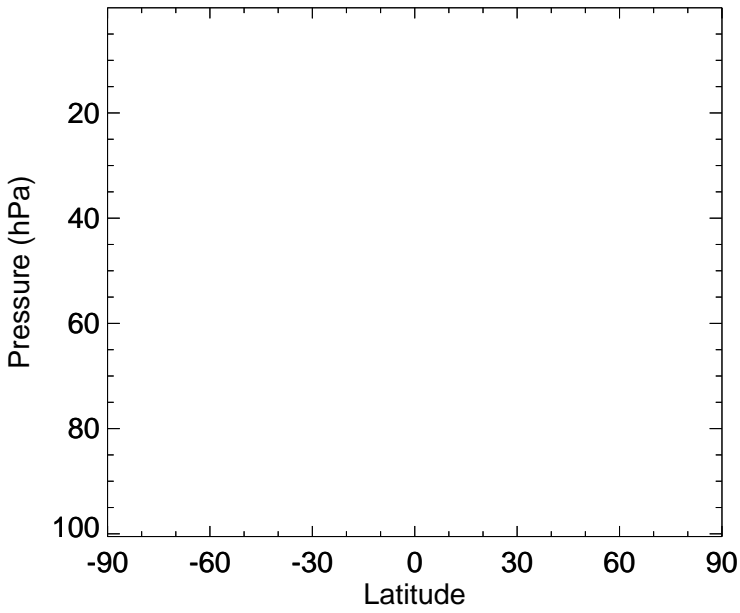
GC\_12.0.0 / v11-02f-Run1

ISOA2 - Strat zonal mean % diff for Jul



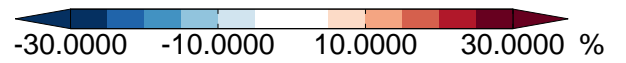
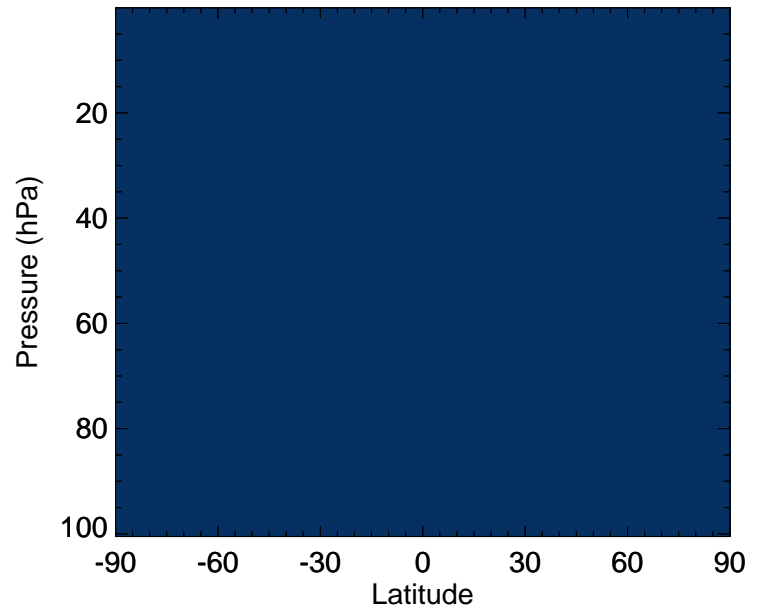
GC\_12.0.0 - v11-02e-Run1

ISOA2 - Strat zonal mean abs diff for Jul



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

ISOA2 - Strat zonal mean % diff for Jul



# GEOS-Chem Stratospheric Zonal Difference Maps

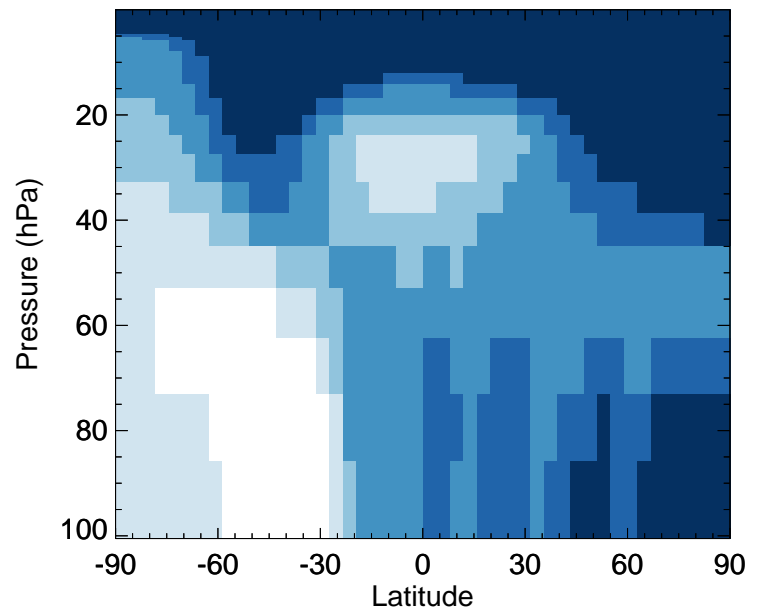
GC\_12.0.0 - v11-02f-Run1

ISOA3 - Strat zonal mean abs diff for Jul



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

ISOA3 - Strat zonal mean % diff for Jul



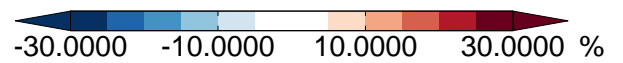
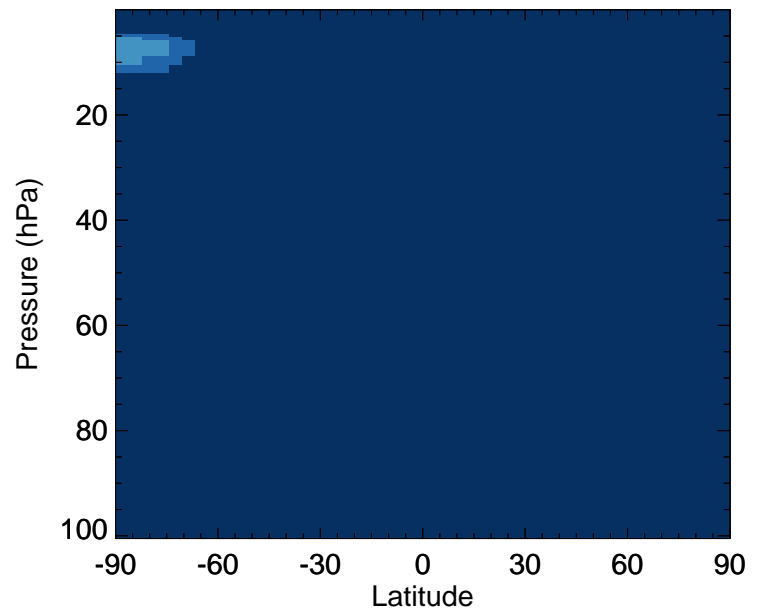
GC\_12.0.0 - v11-02e-Run1

ISOA3 - Strat zonal mean abs diff for Jul



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

ISOA3 - Strat zonal mean % diff for Jul



# GEOS-Chem Stratospheric Zonal Difference Maps

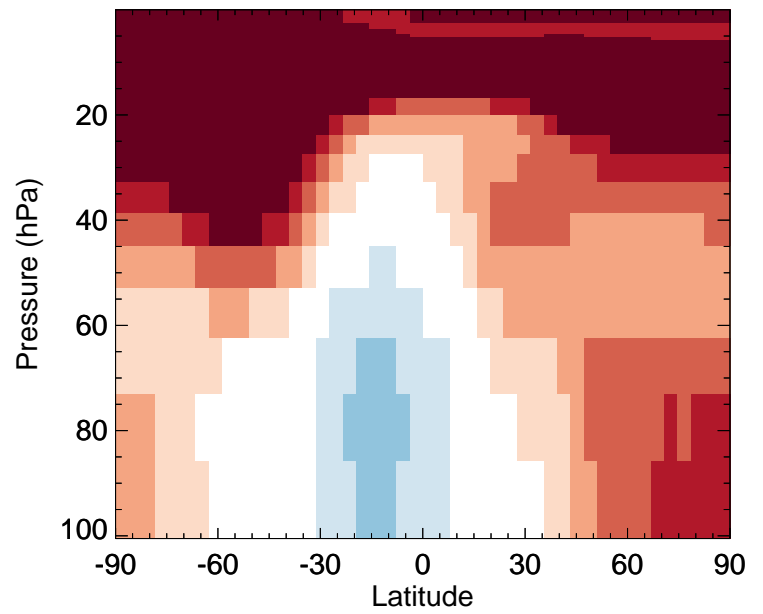
GC\_12.0.0 - v11-02f-Run1

ASOG1 - Strat zonal mean abs diff for Jul



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

ASOG1 - Strat zonal mean % diff for Jul



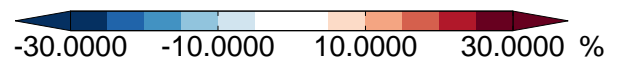
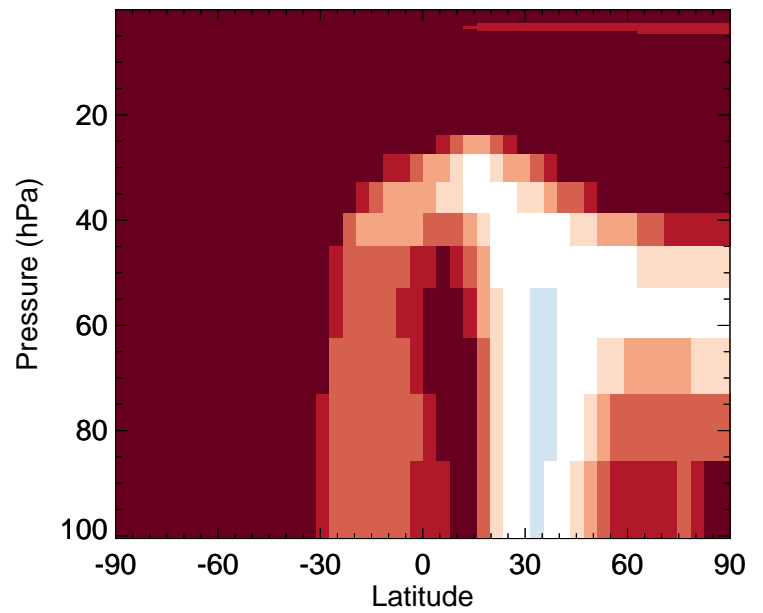
GC\_12.0.0 - v11-02e-Run1

ASOG1 - Strat zonal mean abs diff for Jul



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

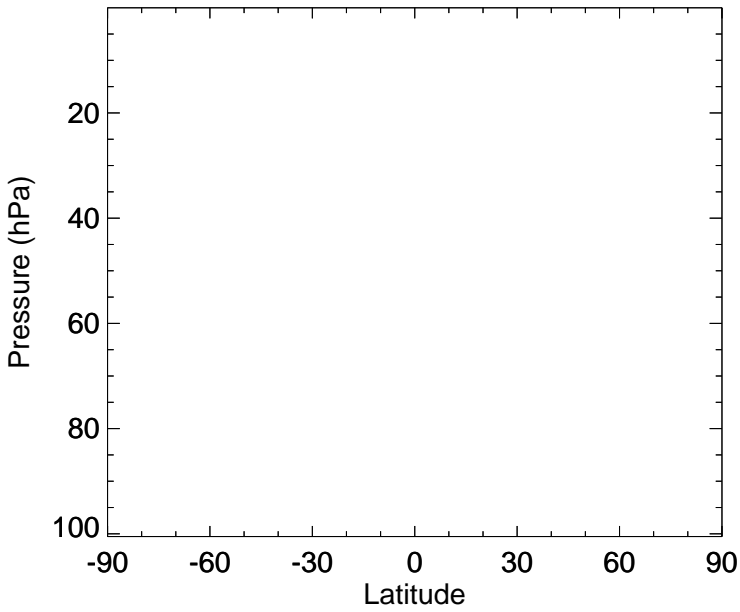
ASOG1 - Strat zonal mean % diff for Jul



# GEOS-Chem Stratospheric Zonal Difference Maps

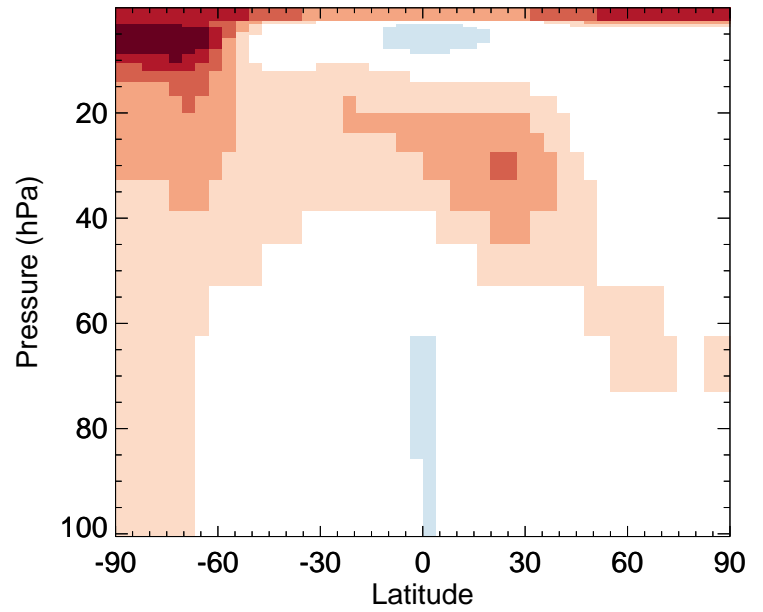
GC\_12.0.0 - v11-02f-Run1

ASOG2 - Strat zonal mean abs diff for Jul



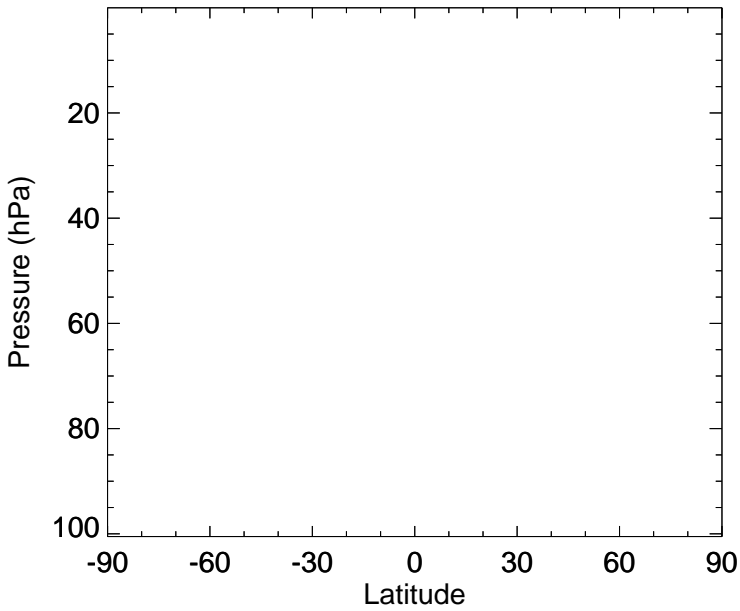
GC\_12.0.0 / v11-02f-Run1

ASOG2 - Strat zonal mean % diff for Jul



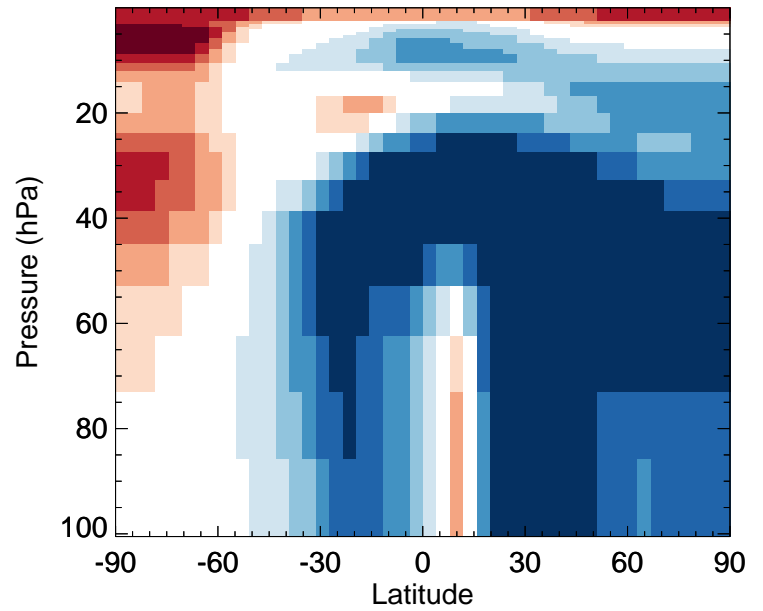
GC\_12.0.0 - v11-02e-Run1

ASOG2 - Strat zonal mean abs diff for Jul



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

ASOG2 - Strat zonal mean % diff for Jul

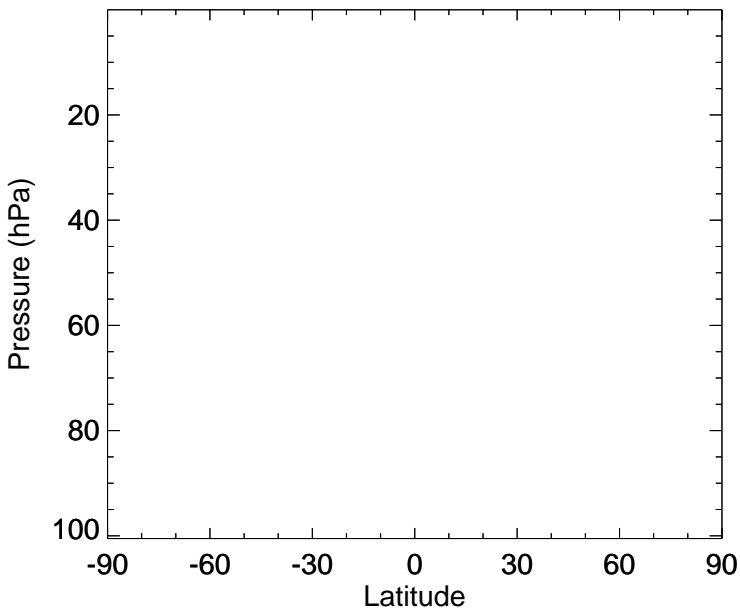




# GEOS-Chem Stratospheric Zonal Difference Maps

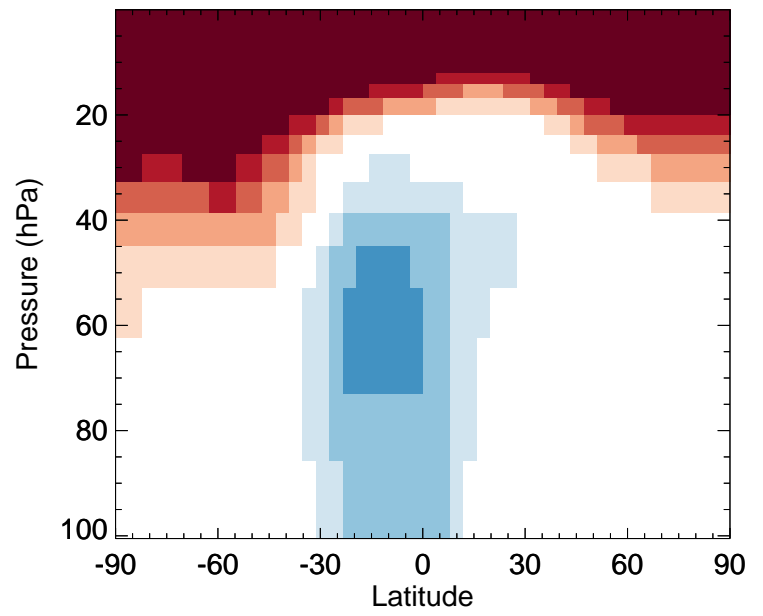
GC\_12.0.0 - v11-02f-Run1

ASOG3 - Strat zonal mean abs diff for Jul



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

ASOG3 - Strat zonal mean % diff for Jul



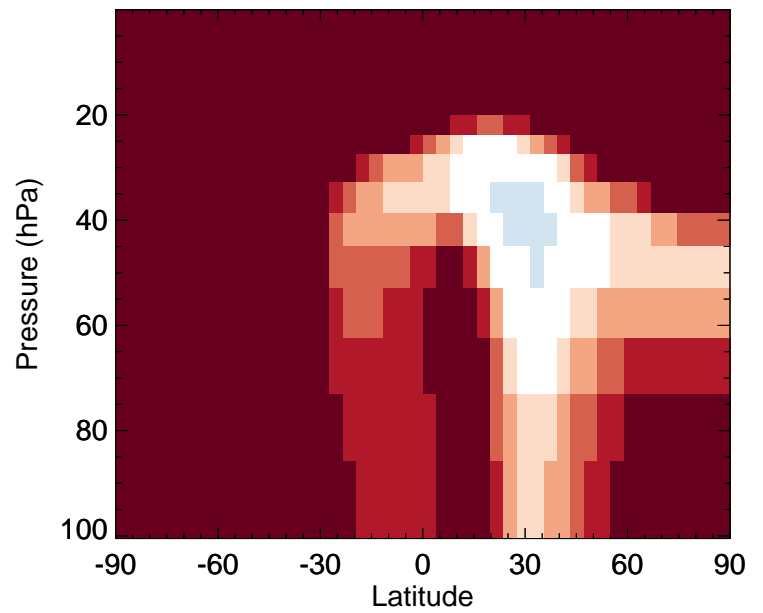
GC\_12.0.0 - v11-02e-Run1

ASOG3 - Strat zonal mean abs diff for Jul



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

ASOG3 - Strat zonal mean % diff for Jul



# GEOS-Chem Stratospheric Zonal Difference Maps

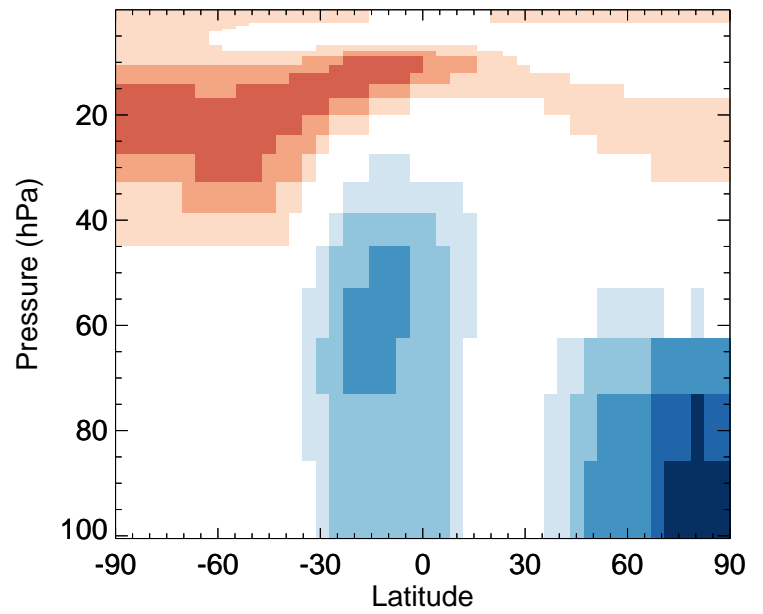
GC\_12.0.0 - v11-02f-Run1

ASOAN - Strat zonal mean abs diff for Jul



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

ASOAN - Strat zonal mean % diff for Jul



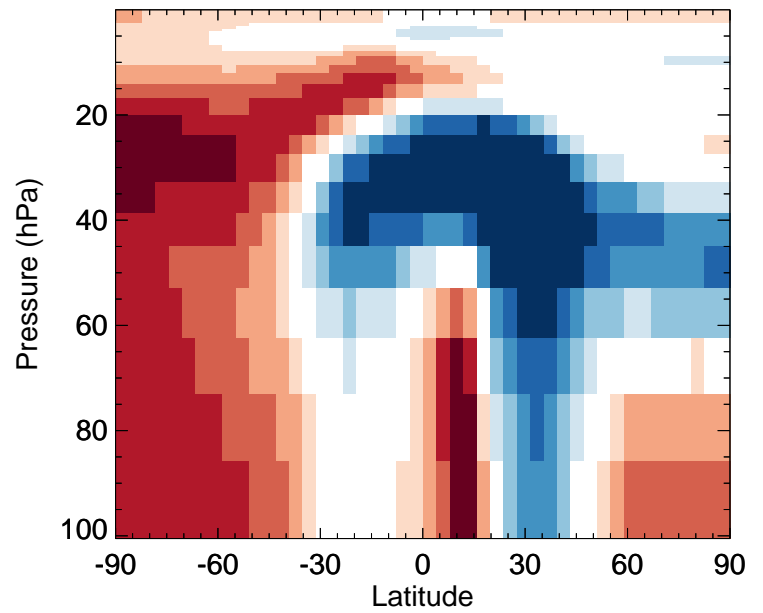
GC\_12.0.0 - v11-02e-Run1

ASOAN - Strat zonal mean abs diff for Jul



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

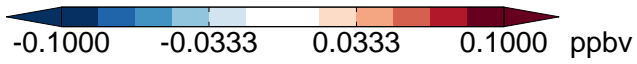
ASOAN - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

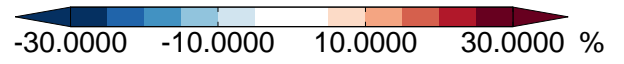
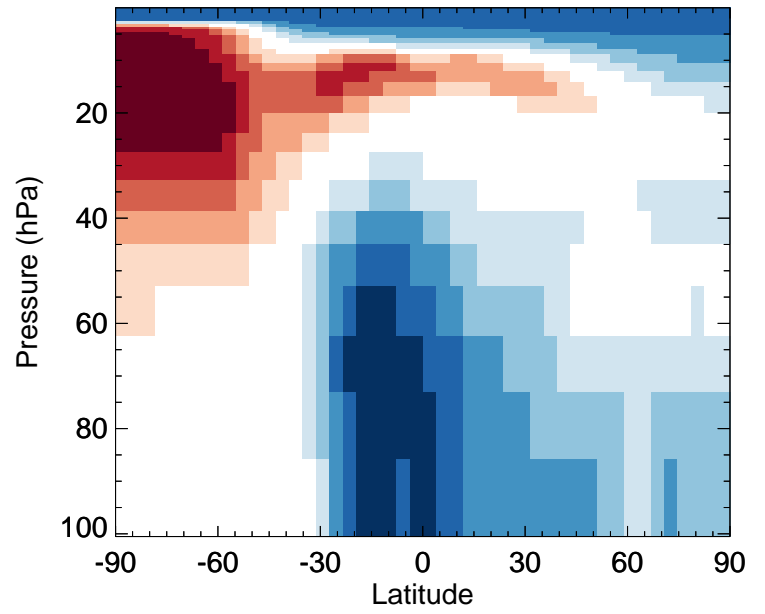
GC\_12.0.0 - v11-02f-Run1

ASOA1 - Strat zonal mean abs diff for Jul



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

ASOA1 - Strat zonal mean % diff for Jul



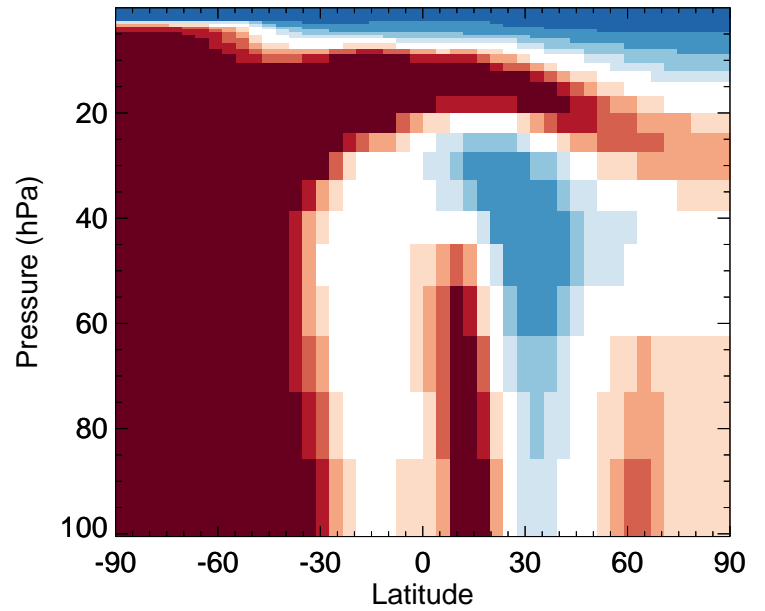
GC\_12.0.0 - v11-02e-Run1

ASOA1 - Strat zonal mean abs diff for Jul



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

ASOA1 - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

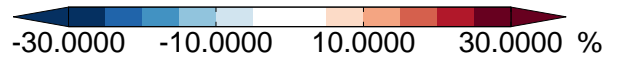
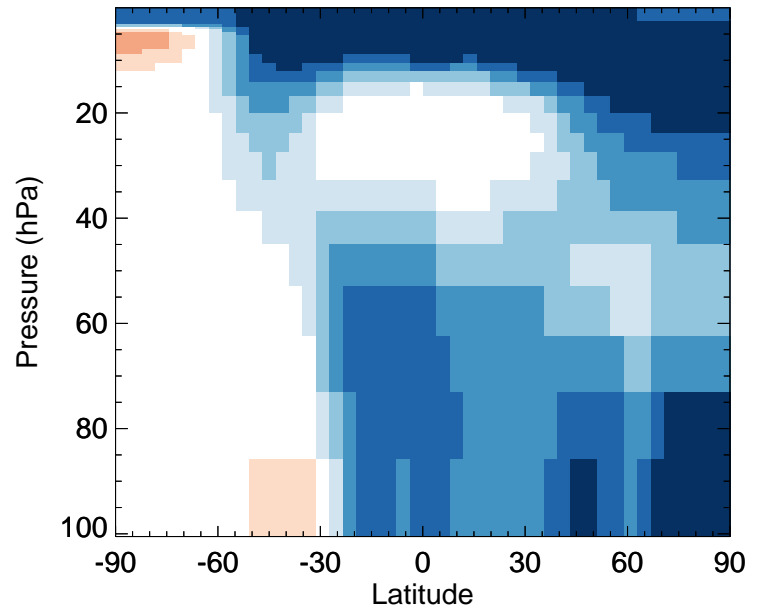
GC\_12.0.0 - v11-02f-Run1

ASOA2 - Strat zonal mean abs diff for Jul



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

ASOA2 - Strat zonal mean % diff for Jul



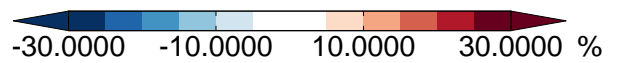
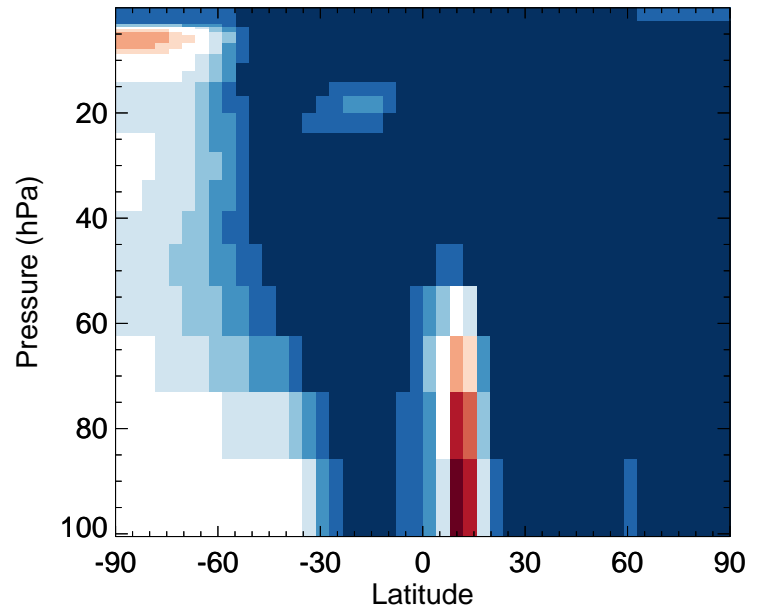
GC\_12.0.0 - v11-02e-Run1

ASOA2 - Strat zonal mean abs diff for Jul



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

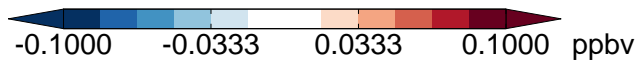
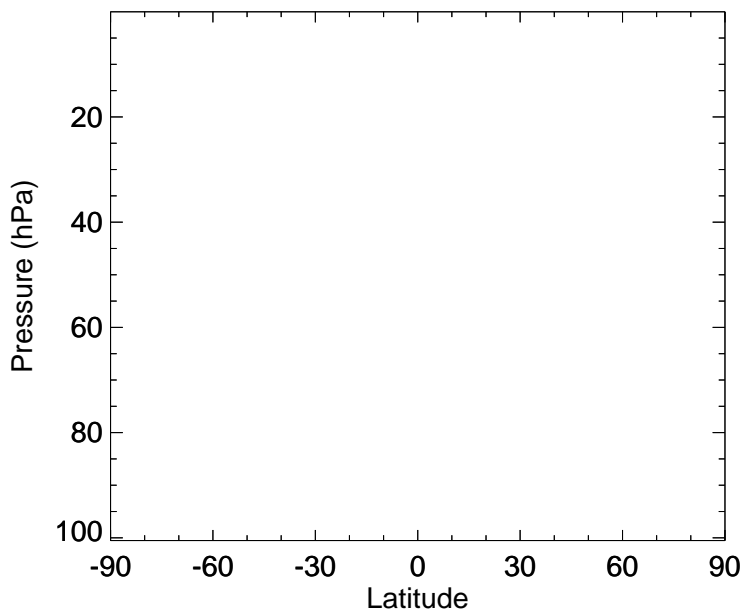
ASOA2 - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

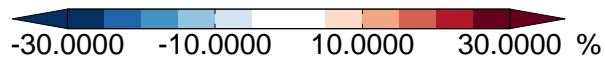
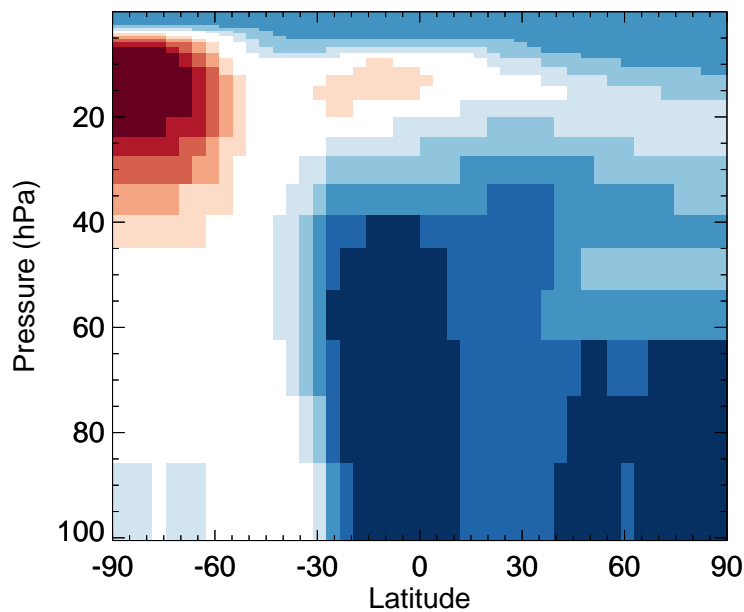
GC\_12.0.0 - v11-02f-Run1

ASOA3 - Strat zonal mean abs diff for Jul



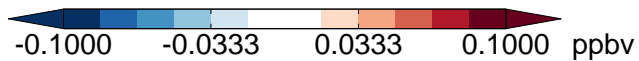
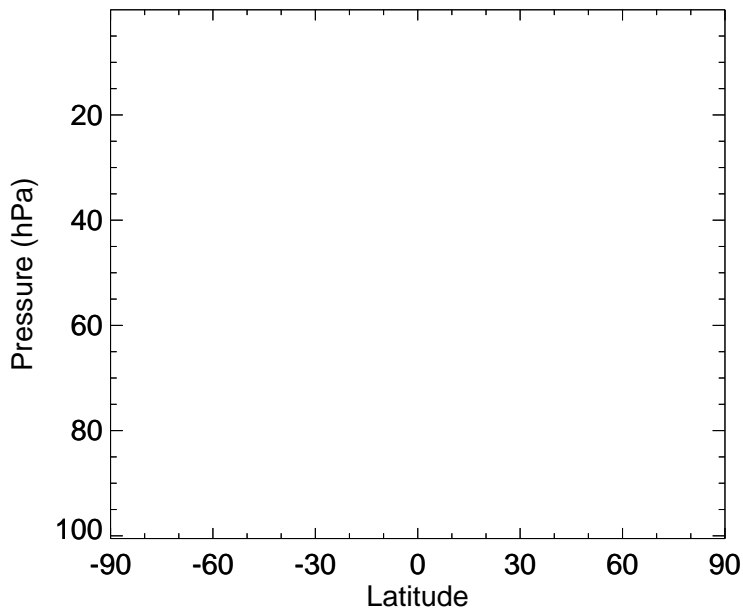
GC\_12.0.0 / v11-02f-Run1

ASOA3 - Strat zonal mean % diff for Jul



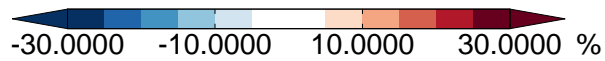
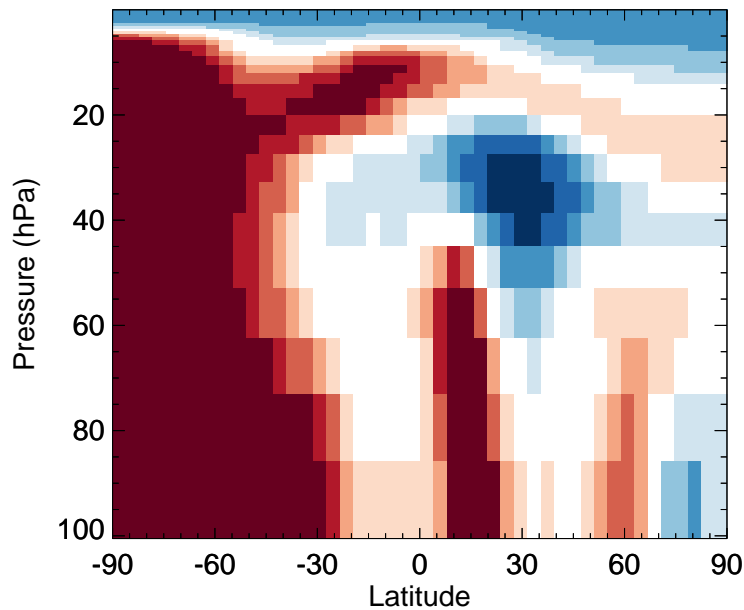
GC\_12.0.0 - v11-02e-Run1

ASOA3 - Strat zonal mean abs diff for Jul



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

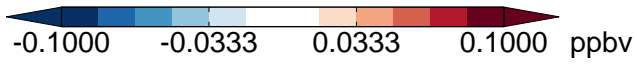
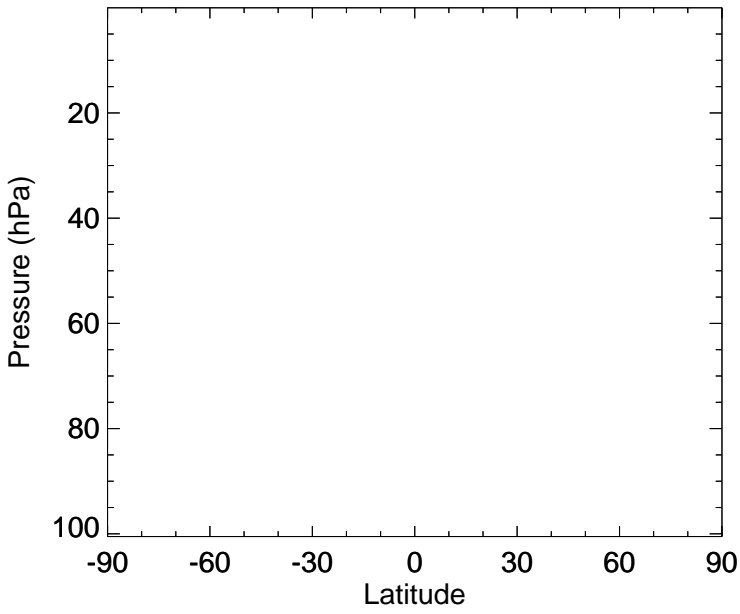
ASOA3 - Strat zonal mean % diff for Jul



# GEOS-Chem Stratospheric Zonal Difference Maps

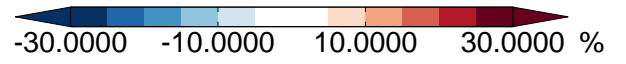
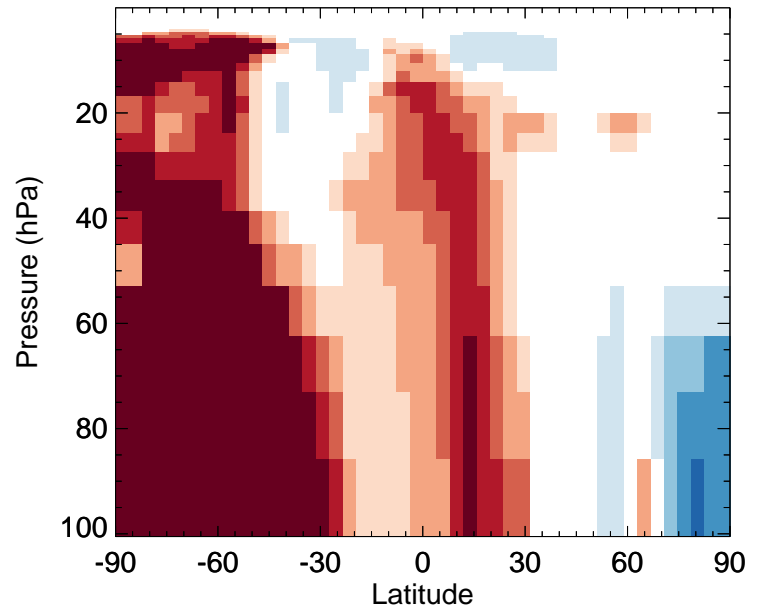
GC\_12.0.0 - v11-02f-Run1

SOAP - Strat zonal mean abs diff for Jul



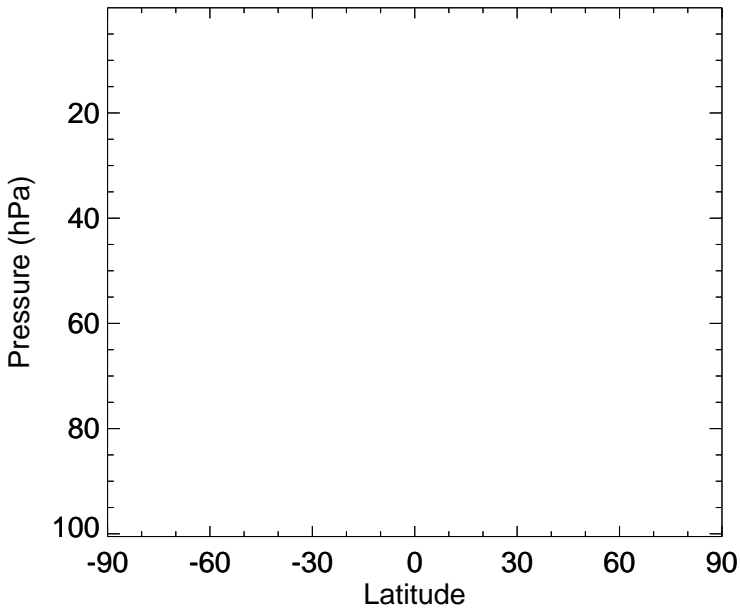
GC\_12.0.0 / v11-02f-Run1

SOAP - Strat zonal mean % diff for Jul



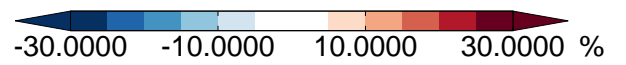
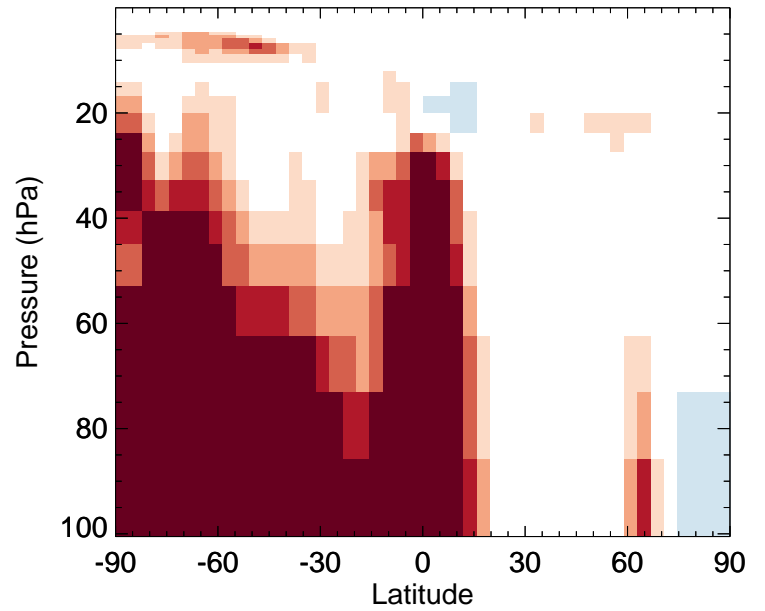
GC\_12.0.0 - v11-02e-Run1

SOAP - Strat zonal mean abs diff for Jul



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

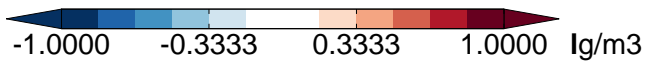
SOAP - Strat zonal mean % diff for Jul



# GEOS-Chem Stratospheric Zonal Difference Maps

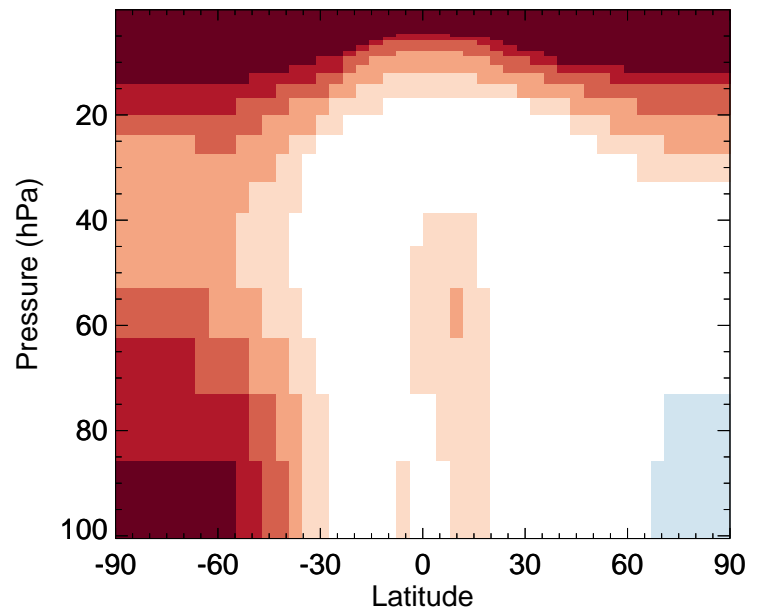
GC\_12.0.0 - v11-02f-Run1

SOAS - Strat zonal mean abs diff for Jul



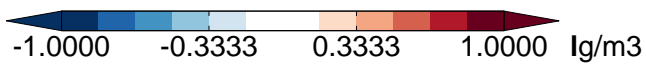
GC\_12.0.0 / v11-02f-Run1

SOAS - Strat zonal mean % diff for Jul



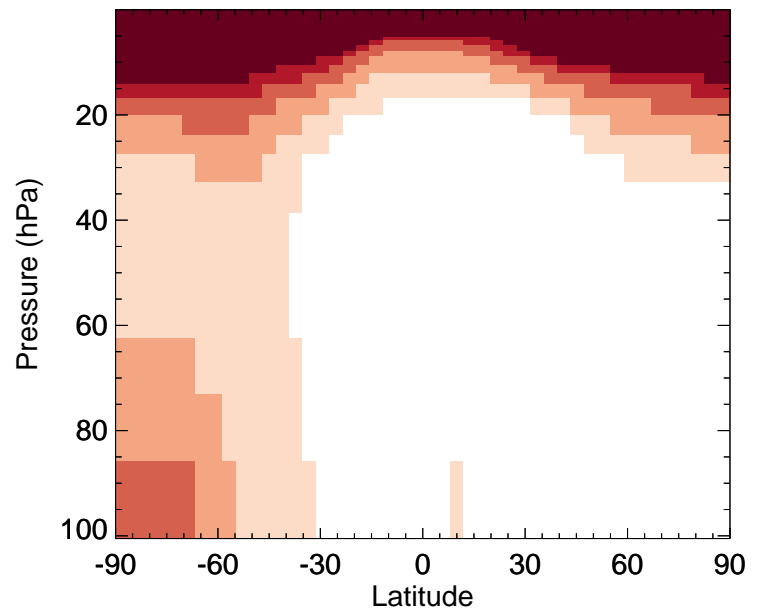
GC\_12.0.0 - v11-02e-Run1

SOAS - Strat zonal mean abs diff for Jul



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

SOAS - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

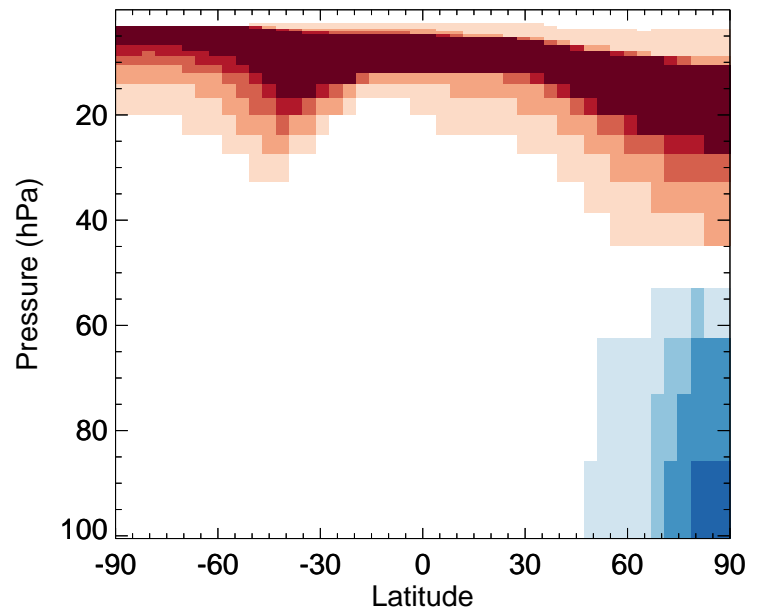
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EOH - Strat zonal mean abs diff for Jul



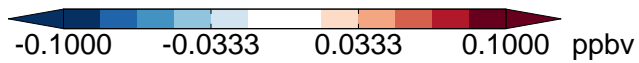
GC\_12.0.0 / v11-02f-Run1

EOH - Strat zonal mean % diff for Jul



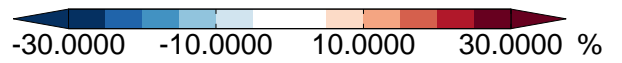
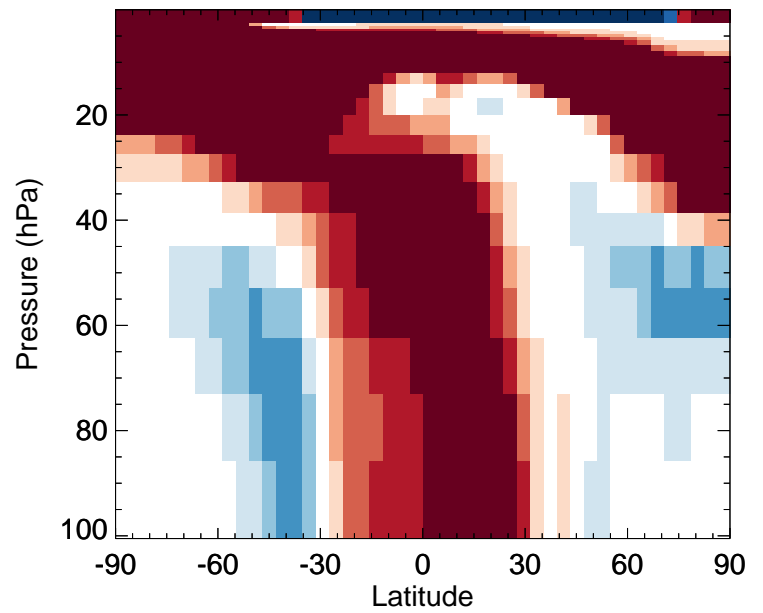
GC\_12.0.0 - v11-02e-Run1

EOH - Strat zonal mean abs diff for Jul



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

EOH - Strat zonal mean % diff for Jul





# GEOS-Chem Stratospheric Zonal Difference Maps

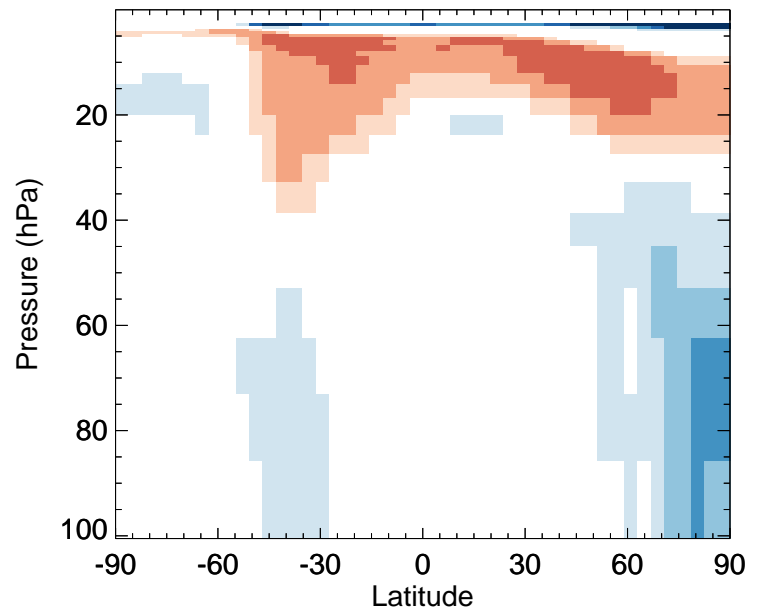
GC\_12.0.0 - v11-02f-Run1

MGLY - Strat zonal mean abs diff for Jul



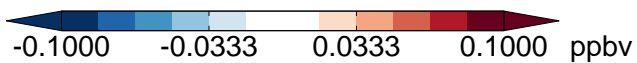
GC\_12.0.0 / v11-02f-Run1

MGLY - Strat zonal mean % diff for Jul



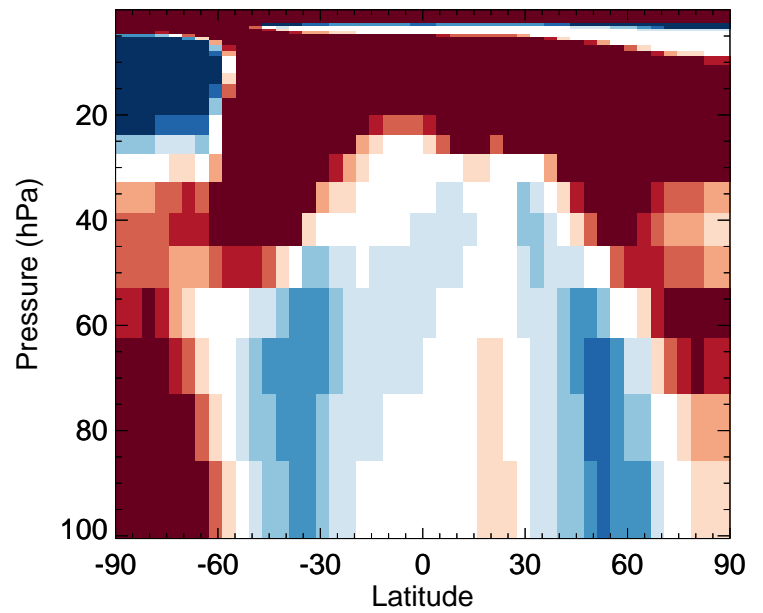
GC\_12.0.0 - v11-02e-Run1

MGLY - Strat zonal mean abs diff for Jul



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

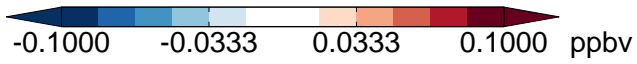
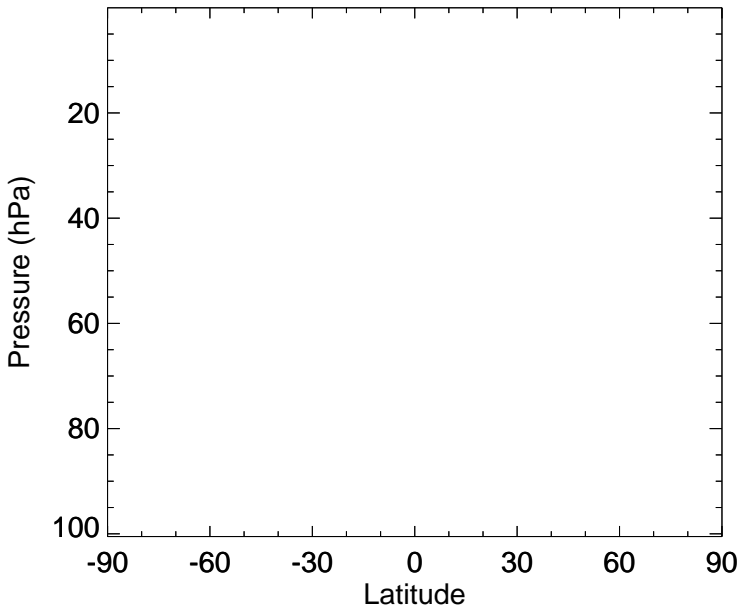
MGLY - Strat zonal mean % diff for Jul



# GEOS-Chem Stratospheric Zonal Difference Maps

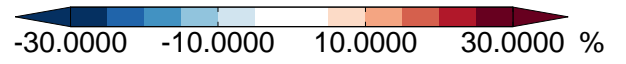
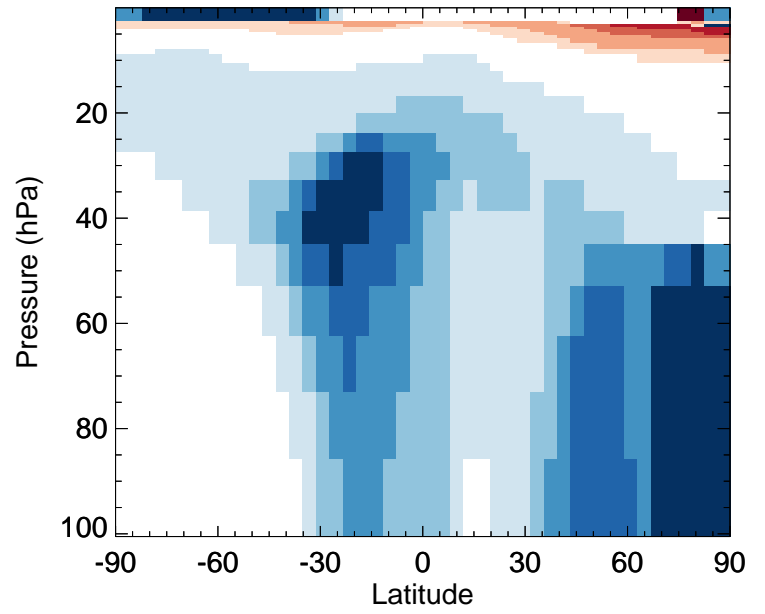
GC\_12.0.0 - v11-02f-Run1

GLYX - Strat zonal mean abs diff for Jul



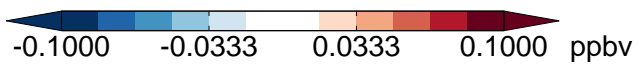
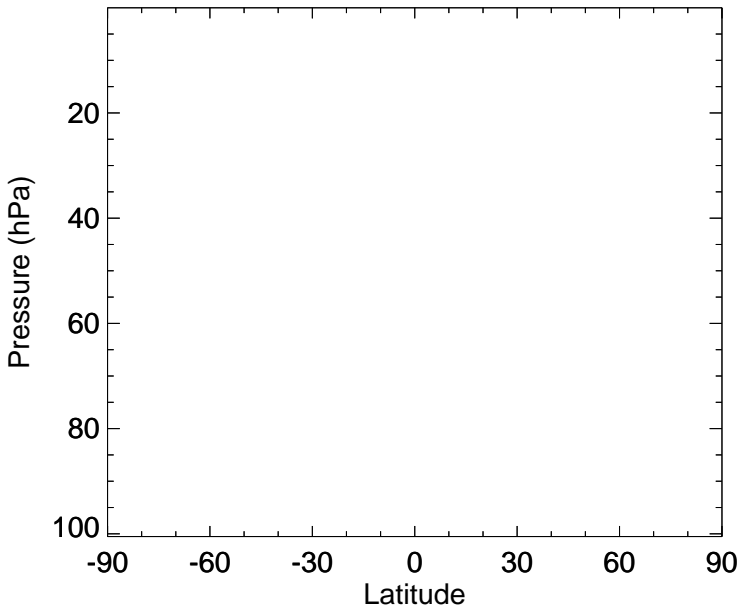
GC\_12.0.0 / v11-02f-Run1

GLYX - Strat zonal mean % diff for Jul



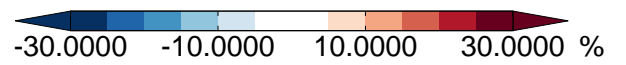
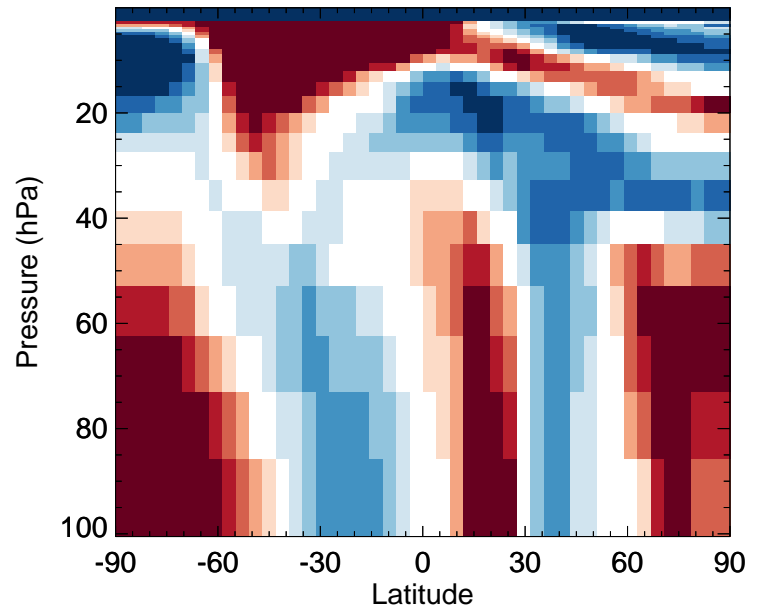
GC\_12.0.0 - v11-02e-Run1

GLYX - Strat zonal mean abs diff for Jul



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

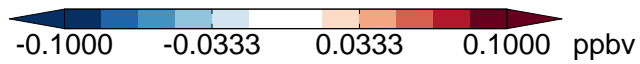
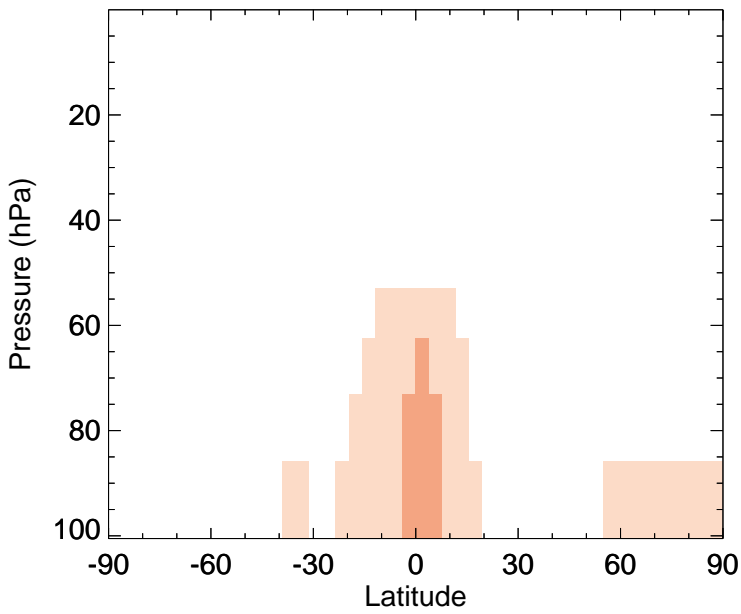
GLYX - Strat zonal mean % diff for Jul



# GEOS-Chem Stratospheric Zonal Difference Maps

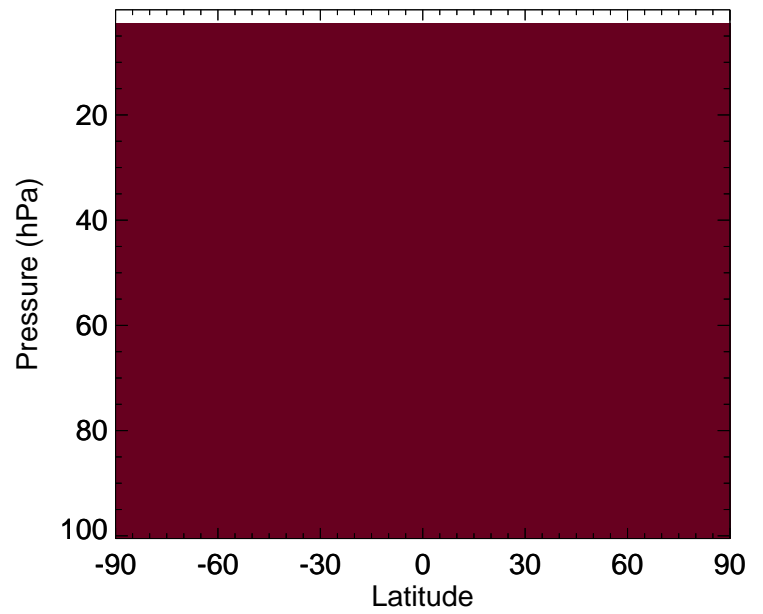
GC\_12.0.0 - v11-02f-Run1

ACTA - Strat zonal mean abs diff for Jul



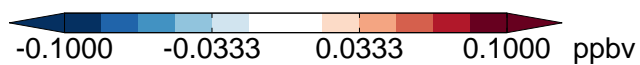
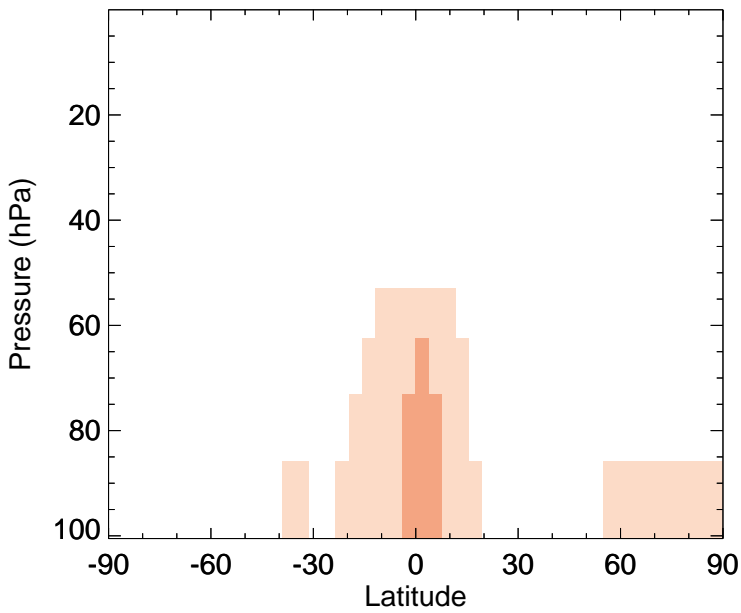
GC\_12.0.0 / v11-02f-Run1

ACTA - Strat zonal mean % diff for Jul



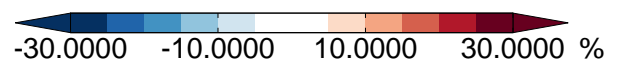
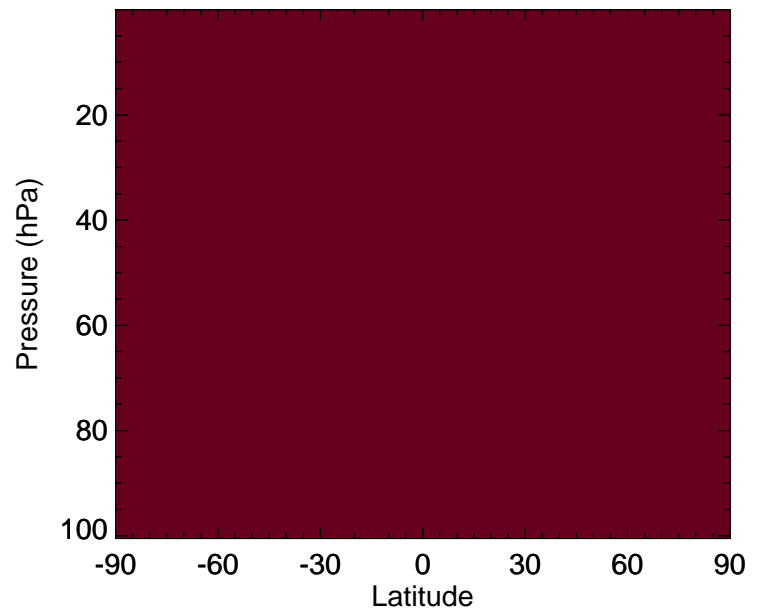
GC\_12.0.0 - v11-02e-Run1

ACTA - Strat zonal mean abs diff for Jul



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

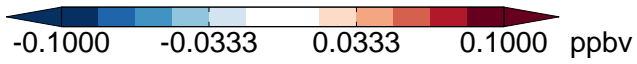
ACTA - Strat zonal mean % diff for Jul



# GEOS-Chem Stratospheric Zonal Difference Maps

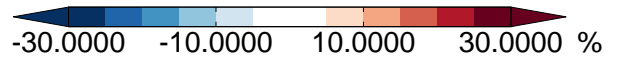
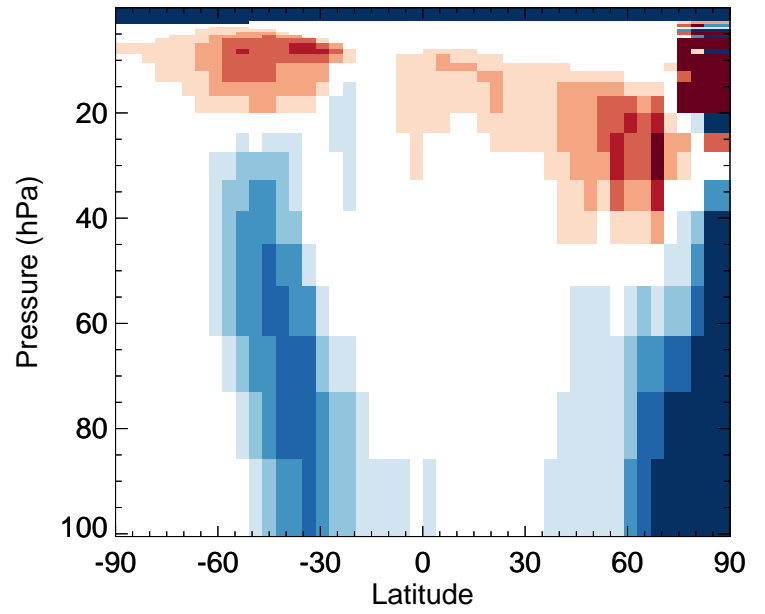
GC\_12.0.0 - v11-02f-Run1

HPALD - Strat zonal mean abs diff for Jul



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

HPALD - Strat zonal mean % diff for Jul



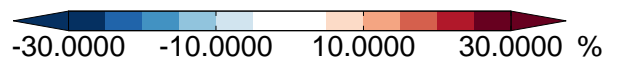
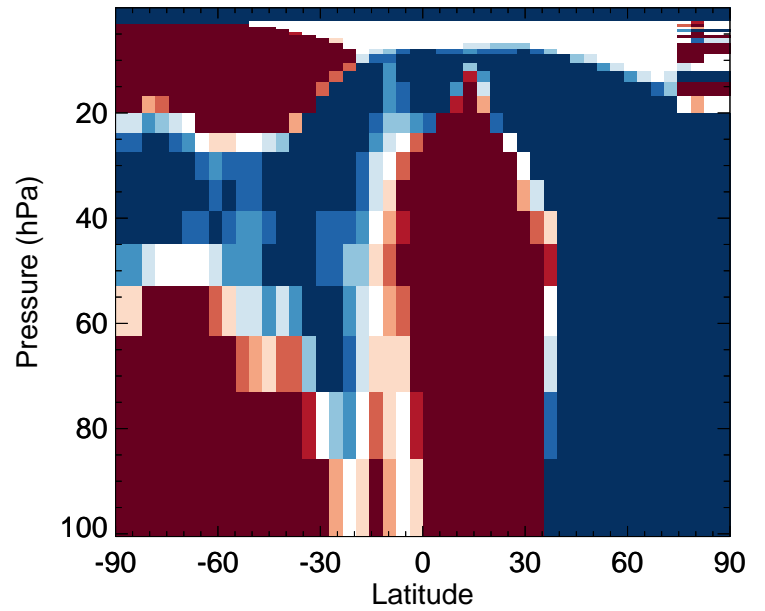
GC\_12.0.0 - v11-02e-Run1

HPALD - Strat zonal mean abs diff for Jul



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

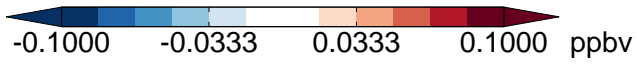
HPALD - Strat zonal mean % diff for Jul



# GEOS-Chem Stratospheric Zonal Difference Maps

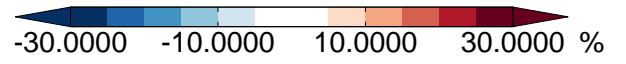
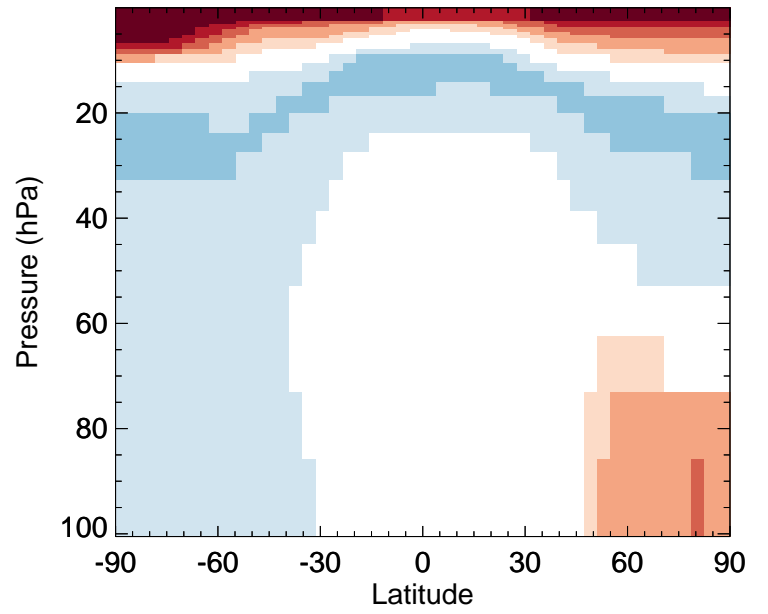
GC\_12.0.0 - v11-02f-Run1

DHDN - Strat zonal mean abs diff for Jul



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

DHDN - Strat zonal mean % diff for Jul



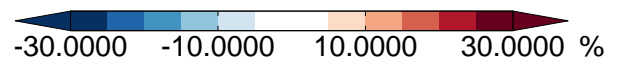
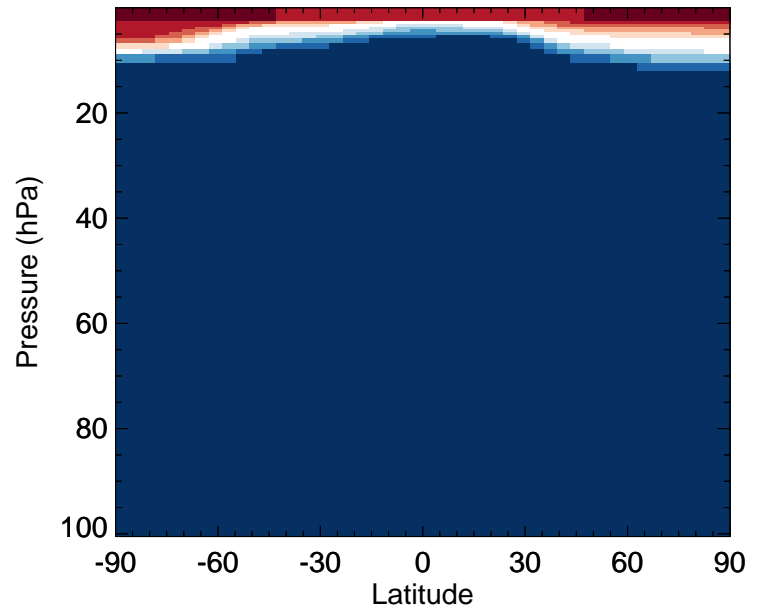
GC\_12.0.0 - v11-02e-Run1

DHDN - Strat zonal mean abs diff for Jul



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

DHDN - Strat zonal mean % diff for Jul



# GEOS-Chem Stratospheric Zonal Difference Maps

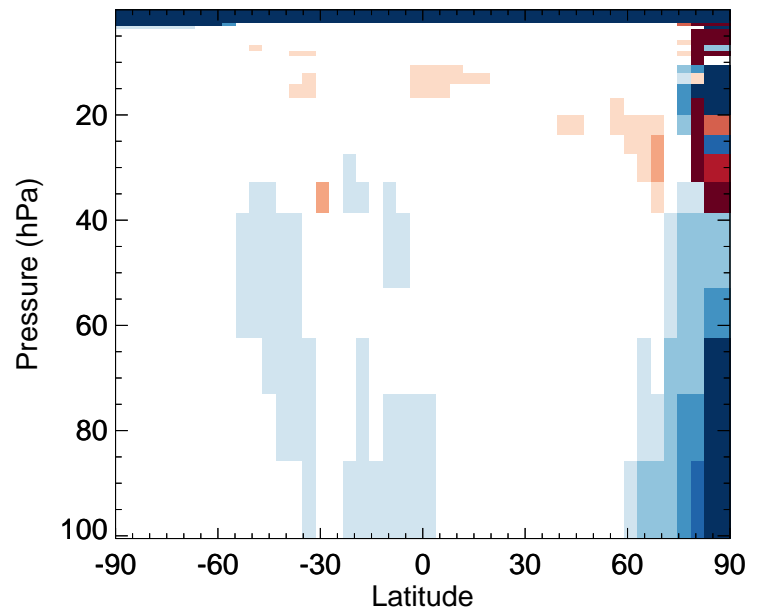
## GC\_12.0.0 - v11-02f-Run1

ETHLN - Strat zonal mean abs diff for Jul



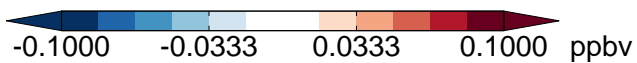
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ETHLN - Strat zonal mean % diff for Jul



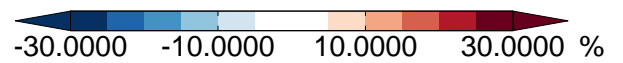
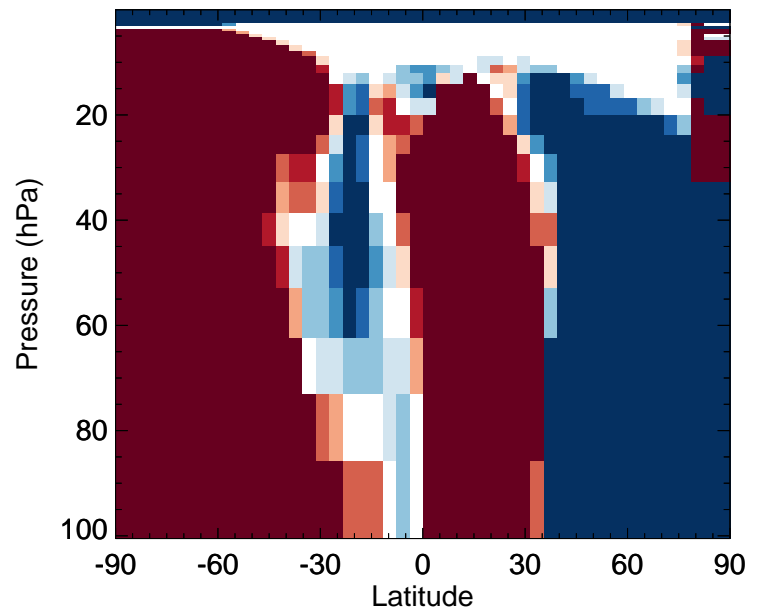
## GC\_12.0.0 - v11-02e-Run1

ETHLN - Strat zonal mean abs diff for Jul



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

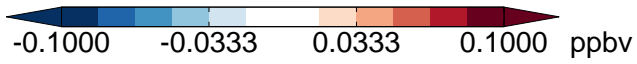
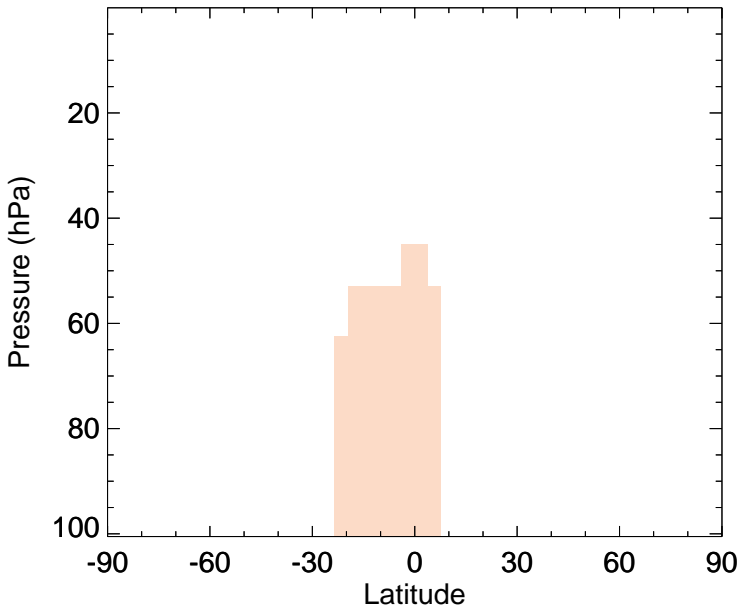
ETHLN - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

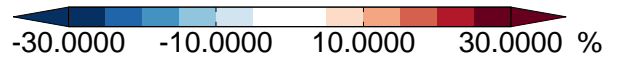
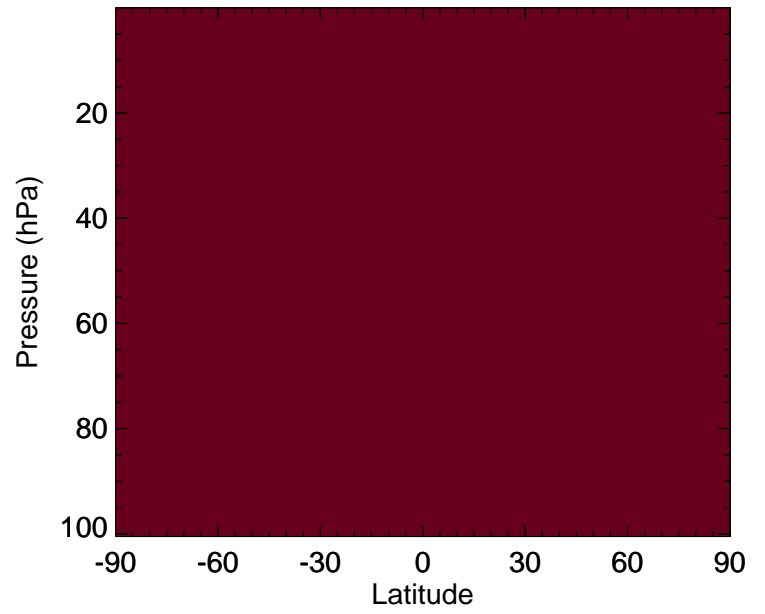
GC\_12.0.0 - v11-02f-Run1

HCOOH - Strat zonal mean abs diff for Jul



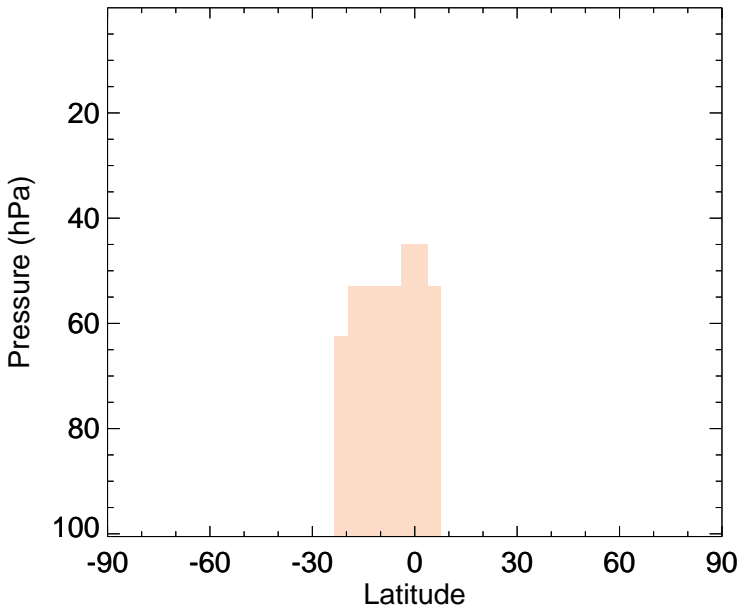
GC\_12.0.0 / v11-02f-Run1

HCOOH - Strat zonal mean % diff for Jul



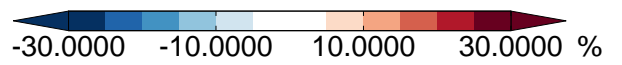
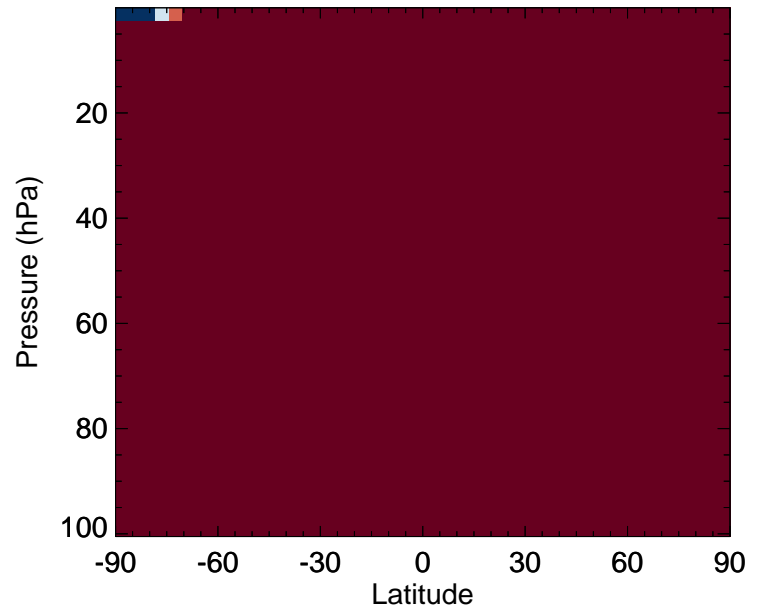
GC\_12.0.0 - v11-02e-Run1

HCOOH - Strat zonal mean abs diff for Jul



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

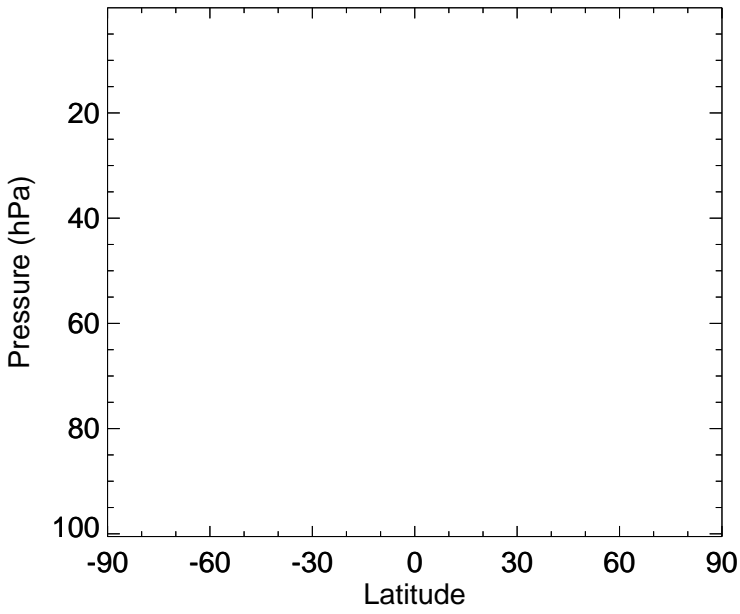
HCOOH - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

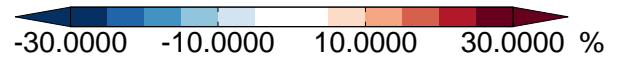
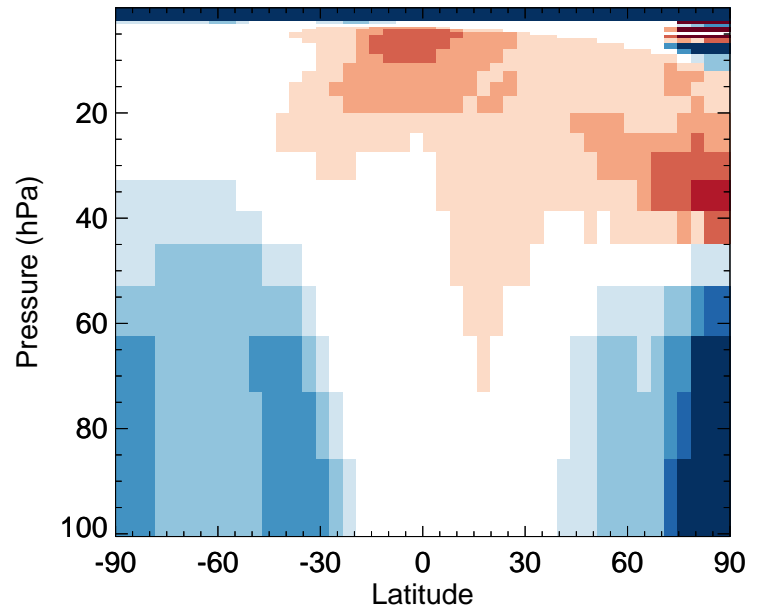
GC\_12.0.0 - v11-02f-Run1

IEPOXA - Strat zonal mean abs diff for Jul



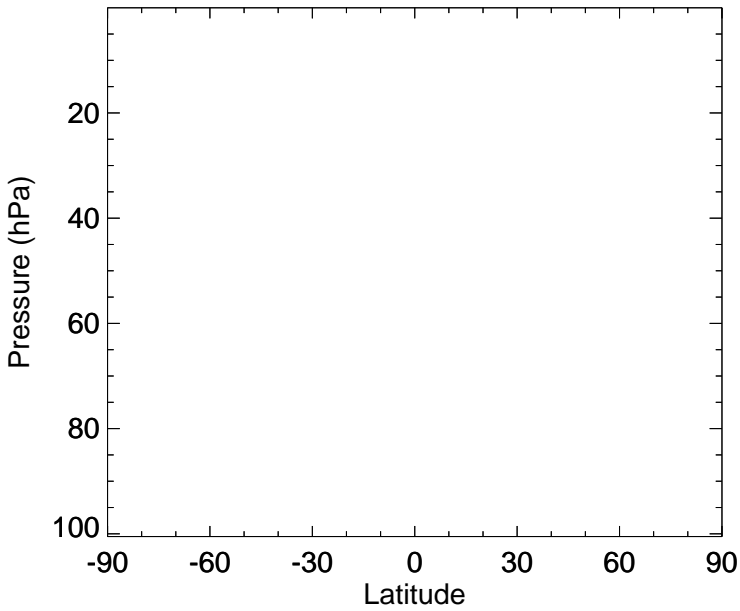
GC\_12.0.0 / v11-02f-Run1

IEPOXA - Strat zonal mean % diff for Jul



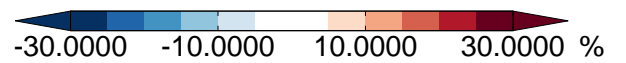
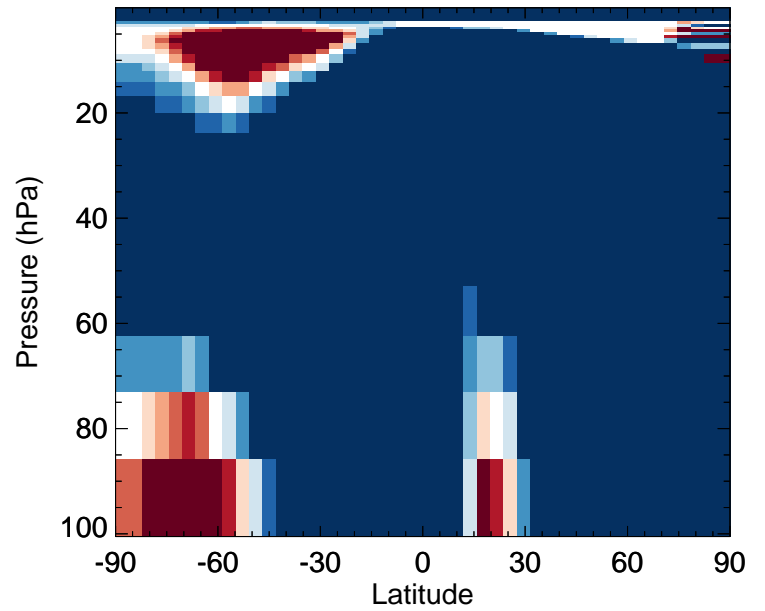
GC\_12.0.0 - v11-02e-Run1

IEPOXA - Strat zonal mean abs diff for Jul



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

IEPOXA - Strat zonal mean % diff for Jul





GEOS-Chem Stratospheric Zonal Difference Maps

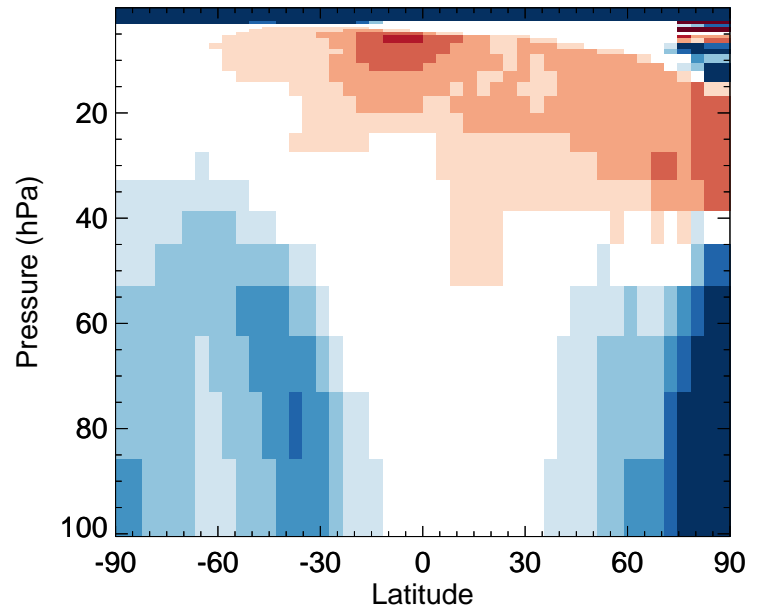
GC\_12.0.0 - v11-02f-Run1

IEPOXB - Strat zonal mean abs diff for Jul



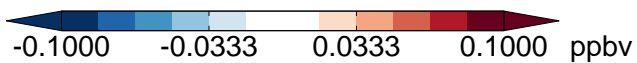
GC\_12.0.0 / v11-02f-Run1

IEPOXB - Strat zonal mean % diff for Jul



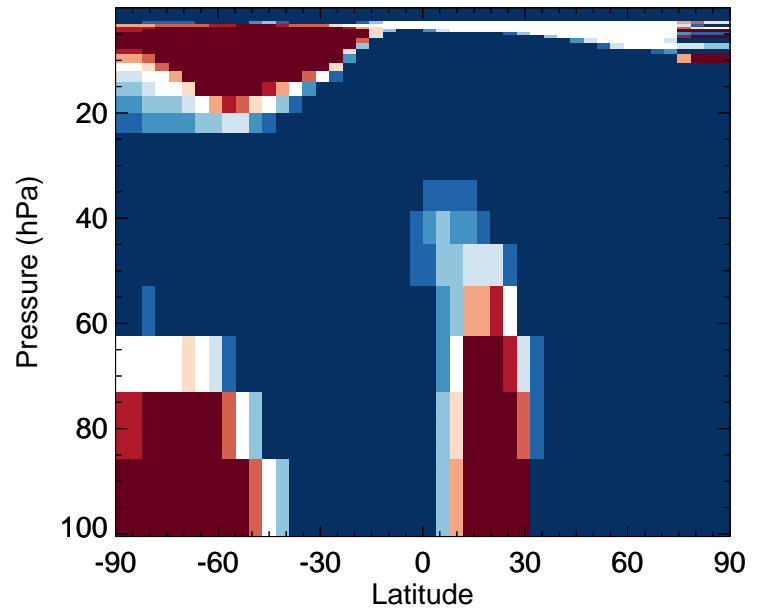
GC\_12.0.0 - v11-02e-Run1

IEPOXB - Strat zonal mean abs diff for Jul



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

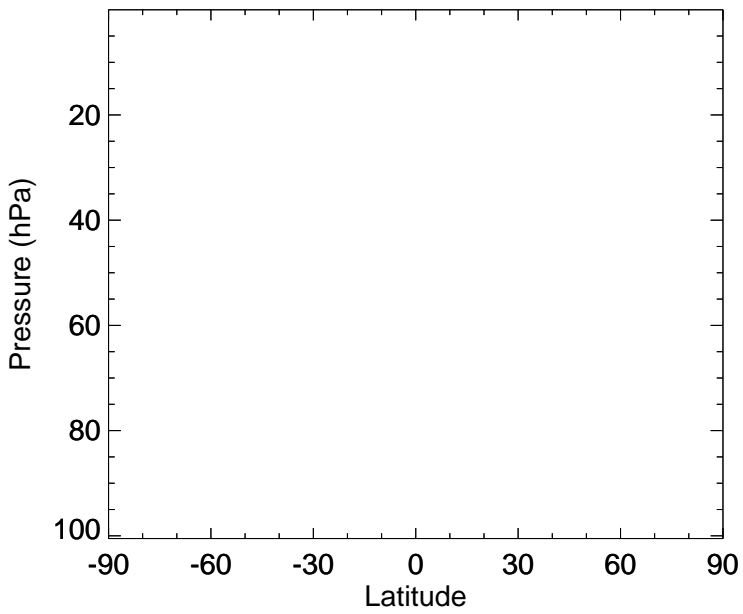
IEPOXB - Strat zonal mean % diff for Jul



# GEOS-Chem Stratospheric Zonal Difference Maps

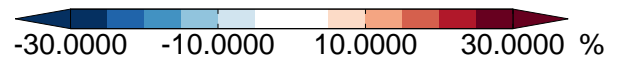
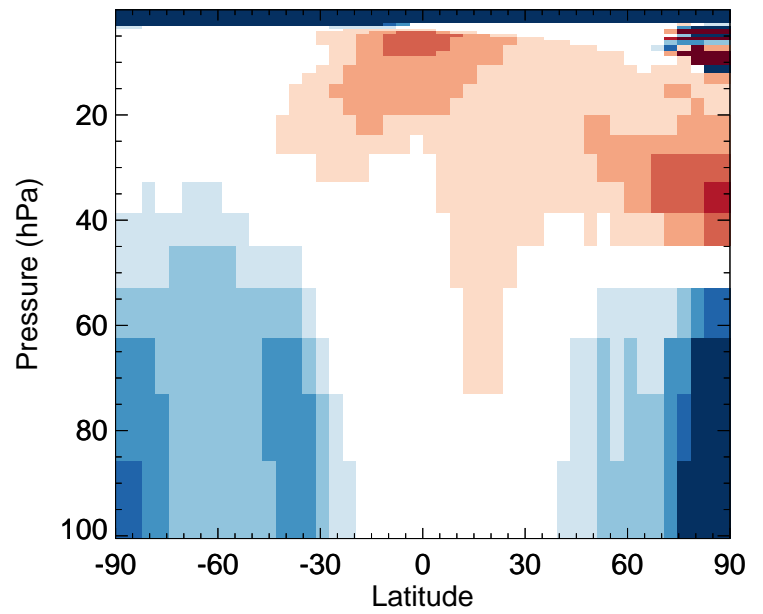
GC\_12.0.0 - v11-02f-Run1

IEPOXD - Strat zonal mean abs diff for Jul



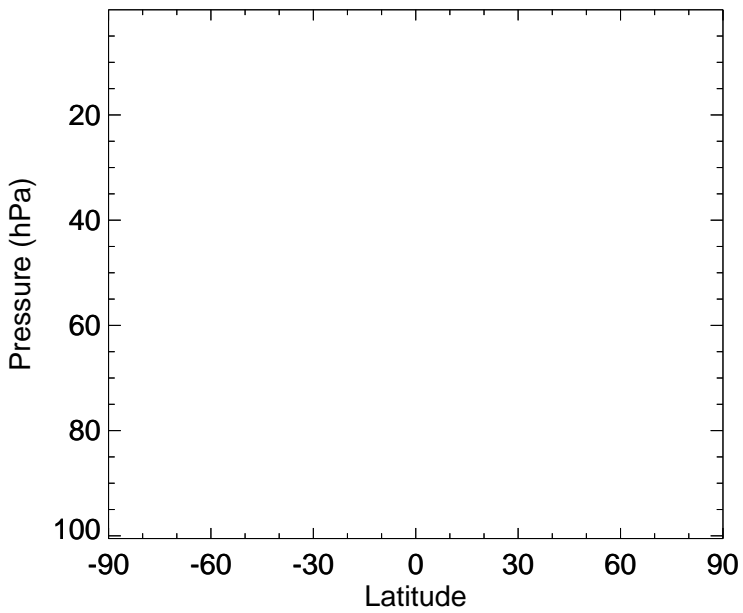
GC\_12.0.0 / v11-02f-Run1

IEPOXD - Strat zonal mean % diff for Jul



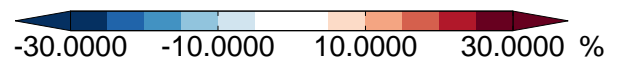
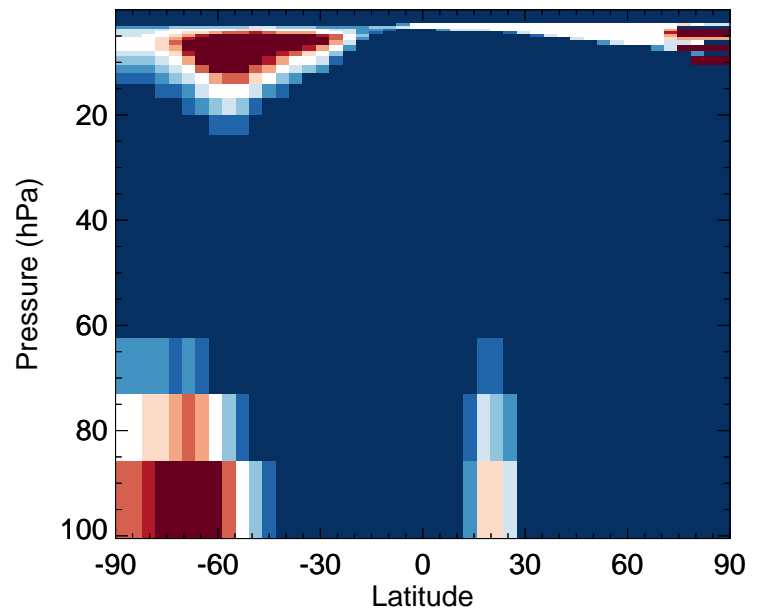
GC\_12.0.0 - v11-02e-Run1

IEPOXD - Strat zonal mean abs diff for Jul



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

IEPOXD - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

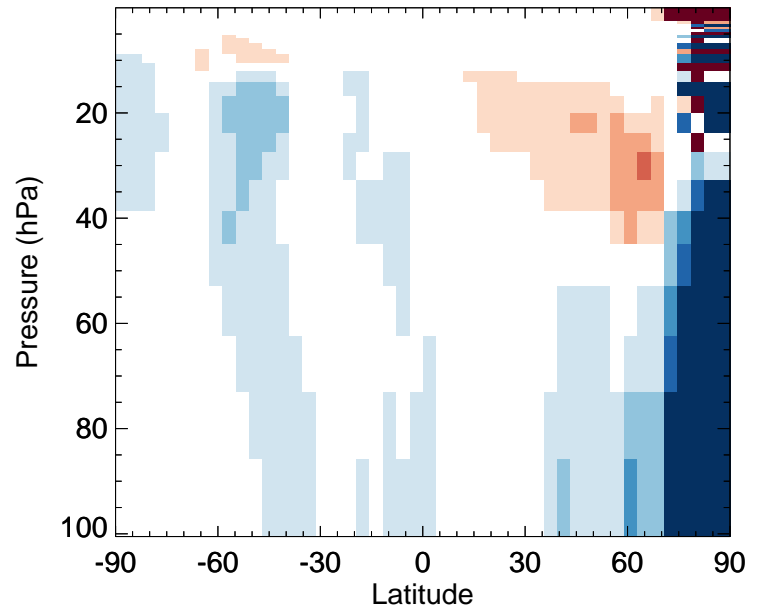
GC\_12.0.0 - v11-02f-Run1

ISN1 - Strat zonal mean abs diff for Jul



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

ISN1 - Strat zonal mean % diff for Jul



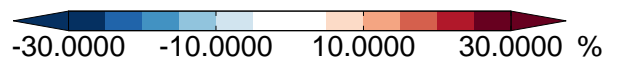
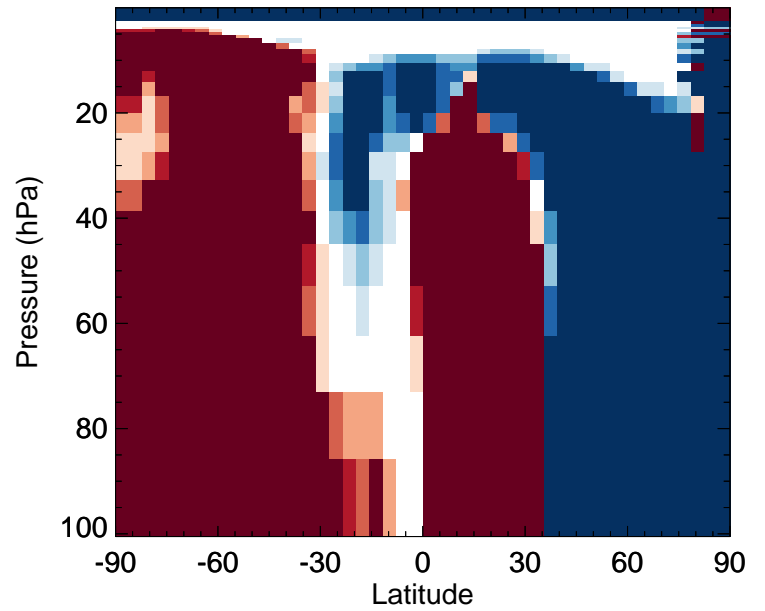
GC\_12.0.0 - v11-02e-Run1

ISN1 - Strat zonal mean abs diff for Jul



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

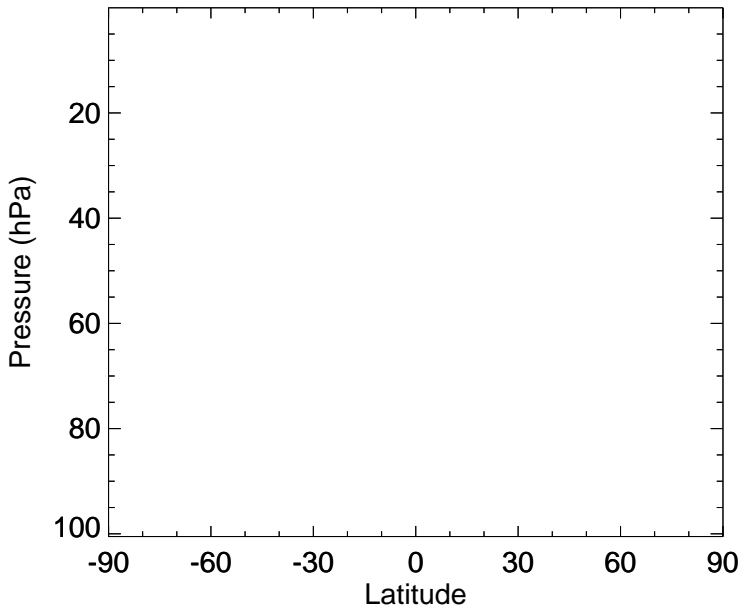
ISN1 - Strat zonal mean % diff for Jul



# GEOS-Chem Stratospheric Zonal Difference Maps

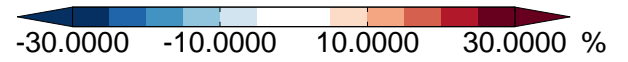
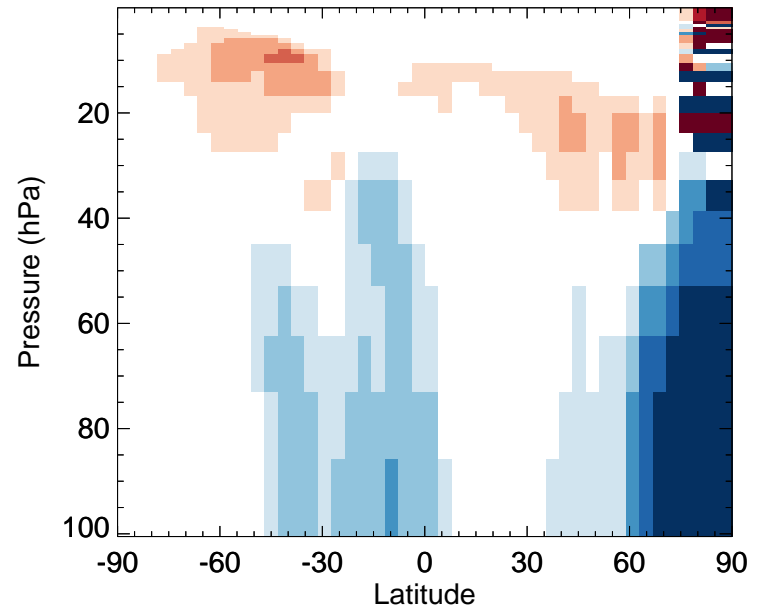
GC\_12.0.0 - v11-02f-Run1

RIPA - Strat zonal mean abs diff for Jul



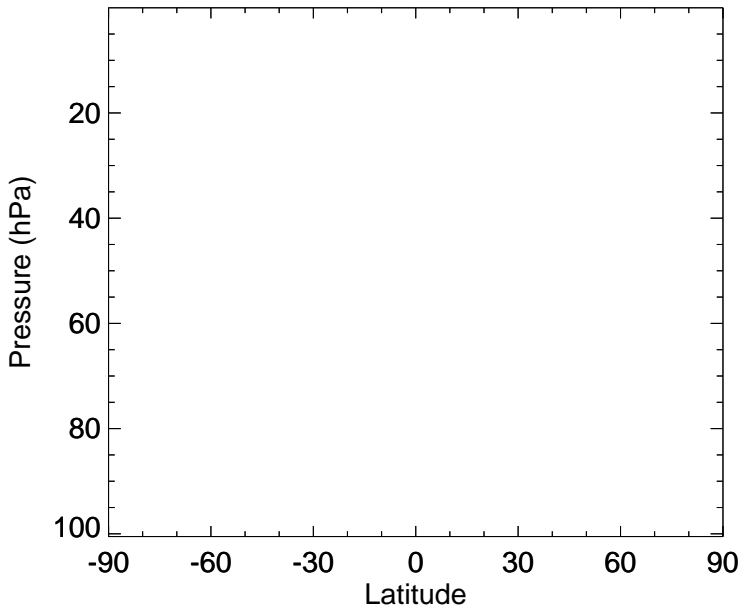
GC\_12.0.0 / v11-02f-Run1

RIPA - Strat zonal mean % diff for Jul



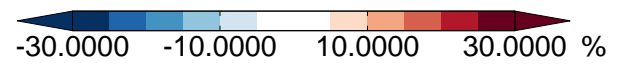
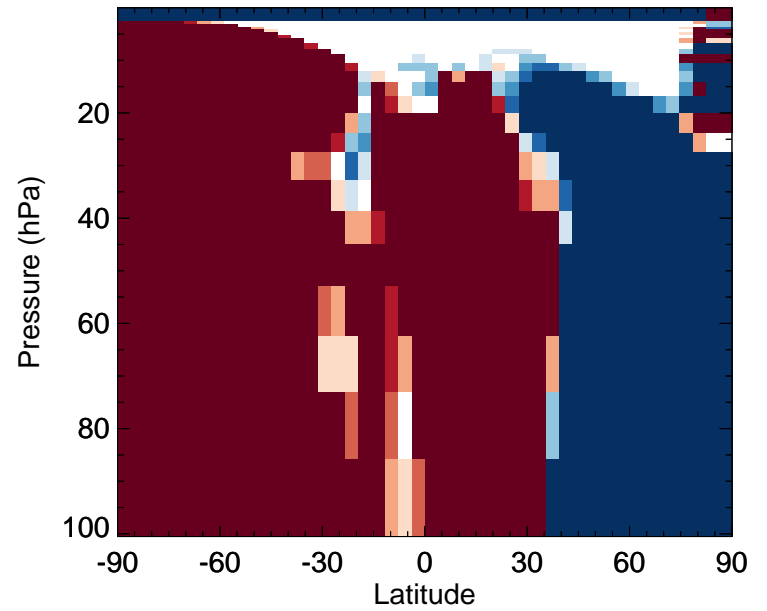
GC\_12.0.0 - v11-02e-Run1

RIPA - Strat zonal mean abs diff for Jul



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

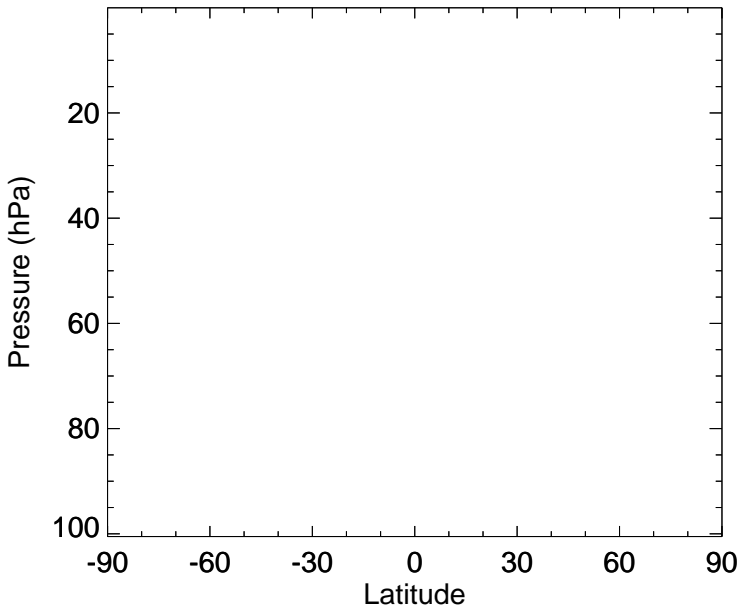
RIPA - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

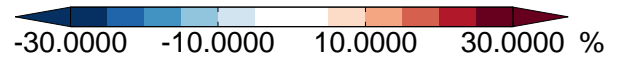
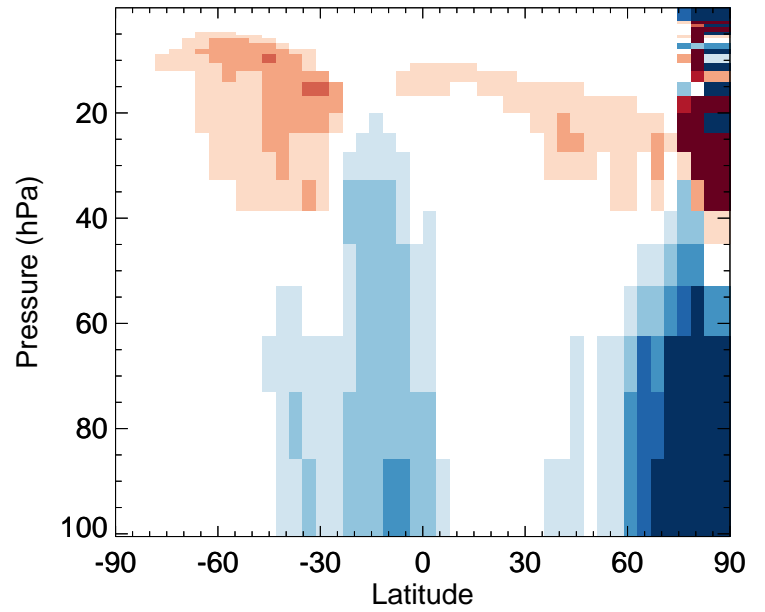
GC\_12.0.0 - v11-02f-Run1

RIPB - Strat zonal mean abs diff for Jul



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

RIPB - Strat zonal mean % diff for Jul



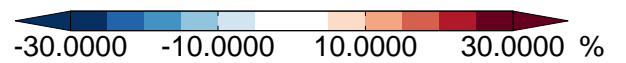
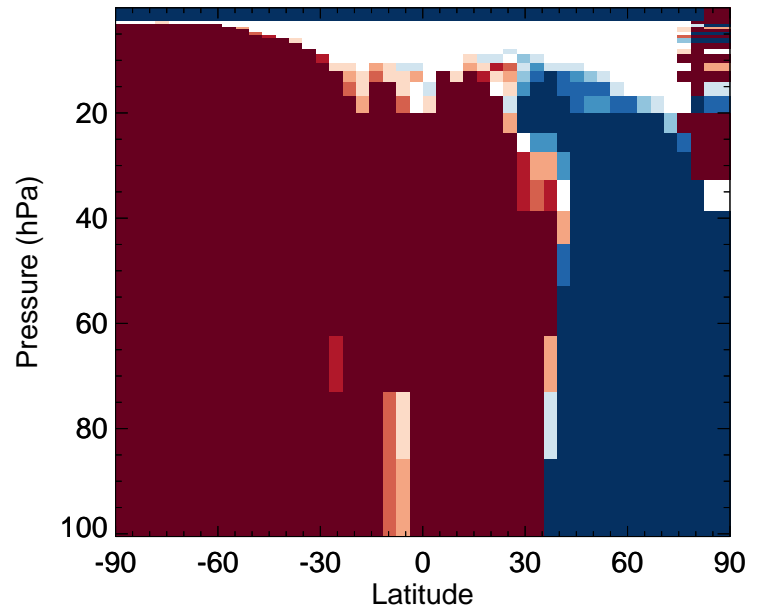
GC\_12.0.0 - v11-02e-Run1

RIPB - Strat zonal mean abs diff for Jul



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

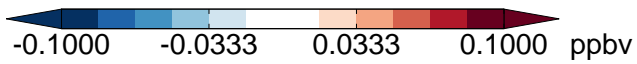
RIPB - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

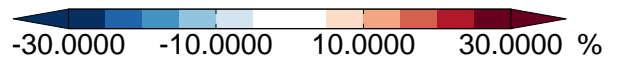
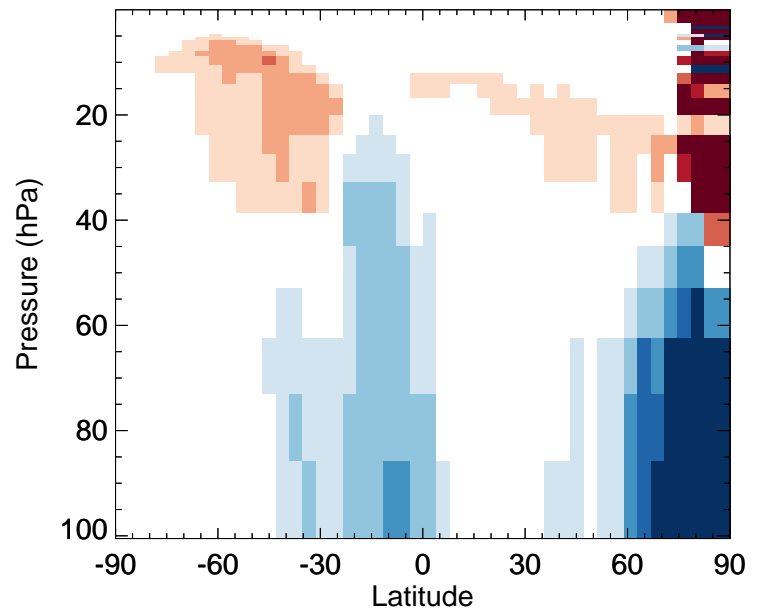
GC\_12.0.0 - v11-02f-Run1

RIPD - Strat zonal mean abs diff for Jul



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

RIPD - Strat zonal mean % diff for Jul



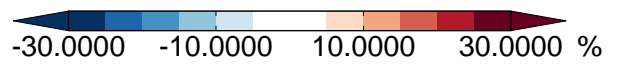
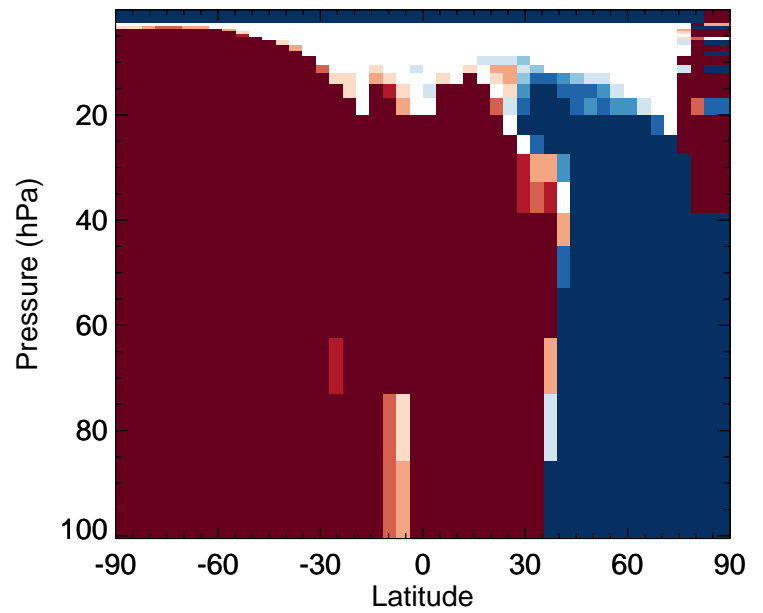
GC\_12.0.0 - v11-02e-Run1

RIPD - Strat zonal mean abs diff for Jul



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

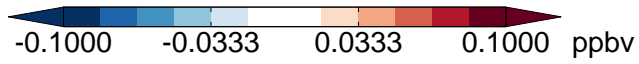
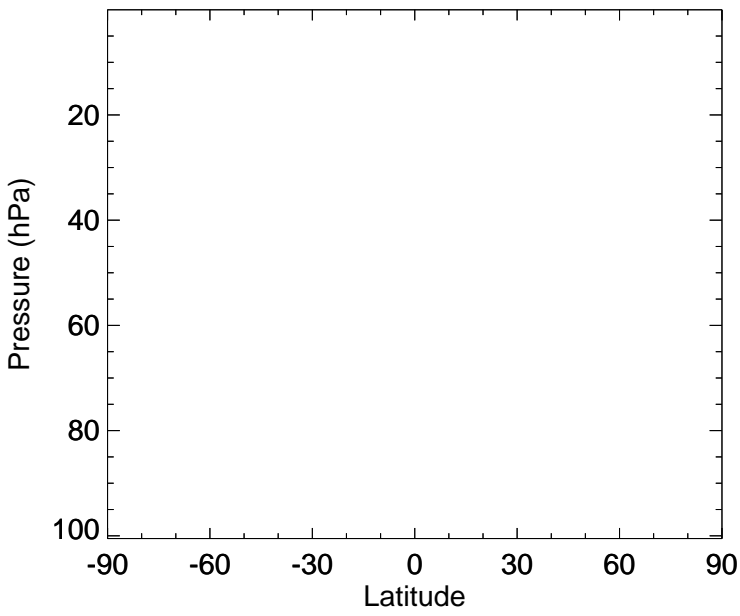
RIPD - Strat zonal mean % diff for Jul



# GEOS-Chem Stratospheric Zonal Difference Maps

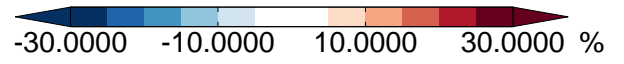
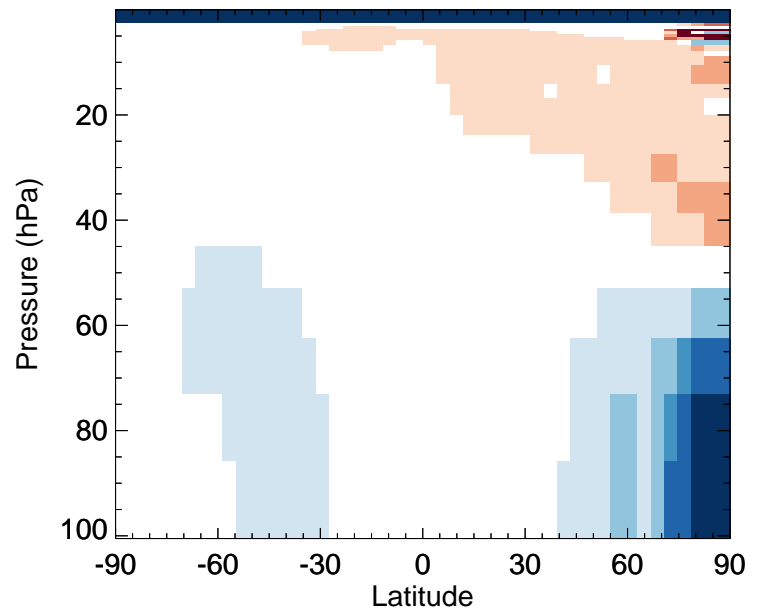
GC\_12.0.0 - v11-02f-Run1

IMAE - Strat zonal mean abs diff for Jul



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

IMAE - Strat zonal mean % diff for Jul



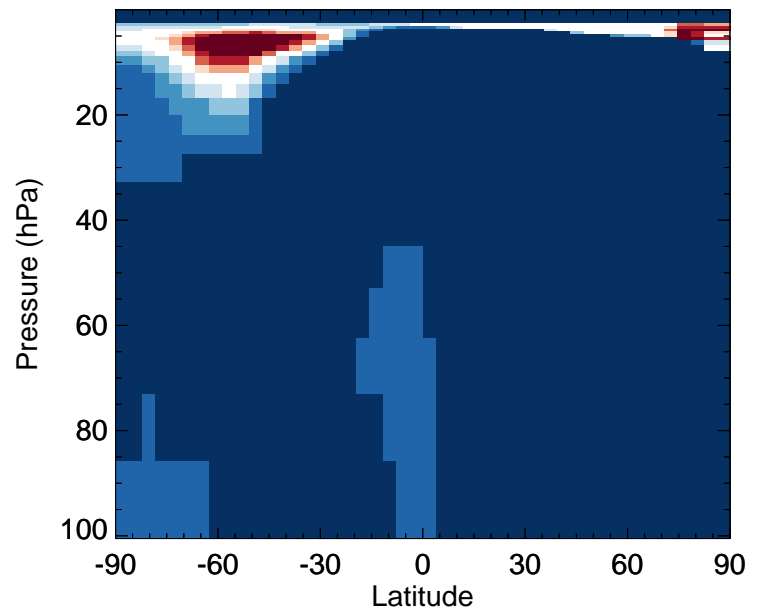
GC\_12.0.0 - v11-02e-Run1

IMAE - Strat zonal mean abs diff for Jul



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

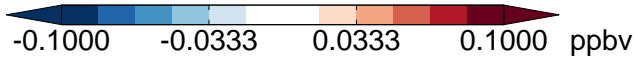
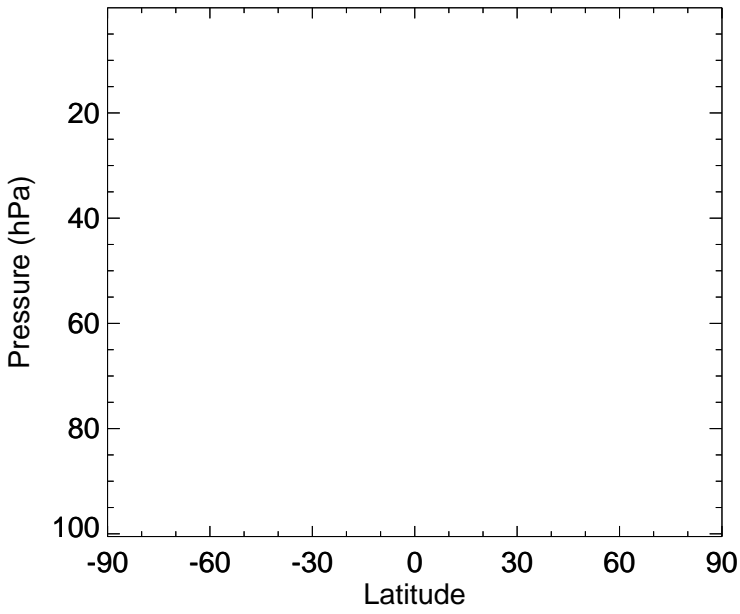
IMAE - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

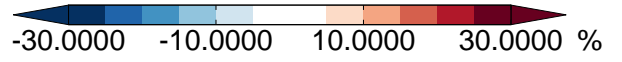
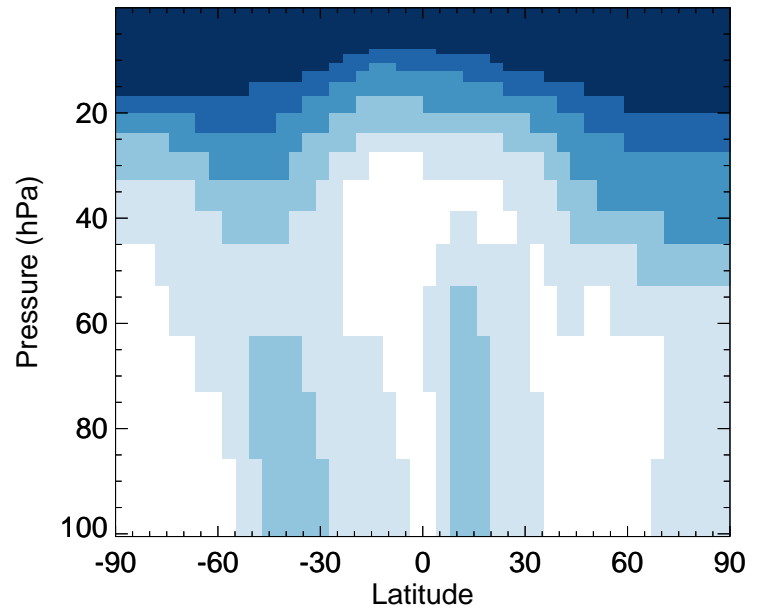
GC\_12.0.0 - v11-02f-Run1

SOAIE - Strat zonal mean abs diff for Jul



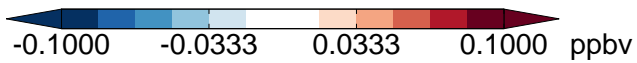
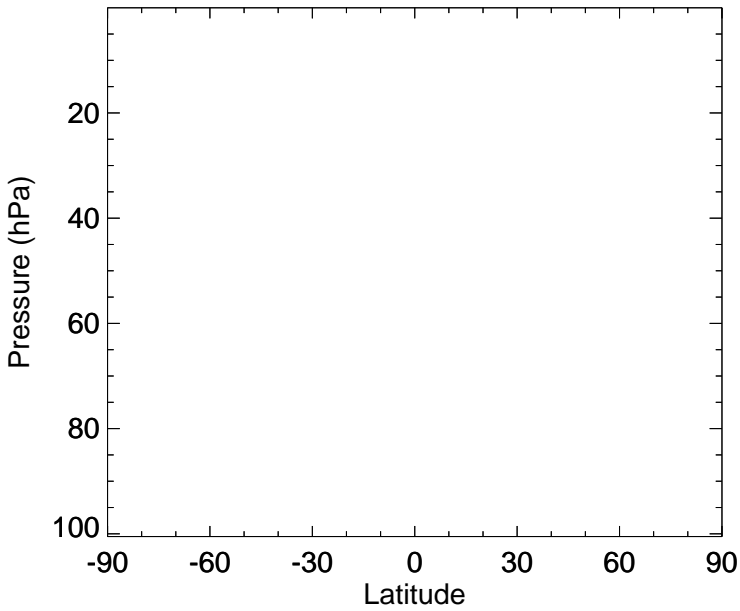
GC\_12.0.0 / v11-02f-Run1

SOAIE - Strat zonal mean % diff for Jul



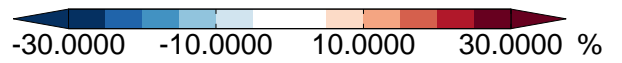
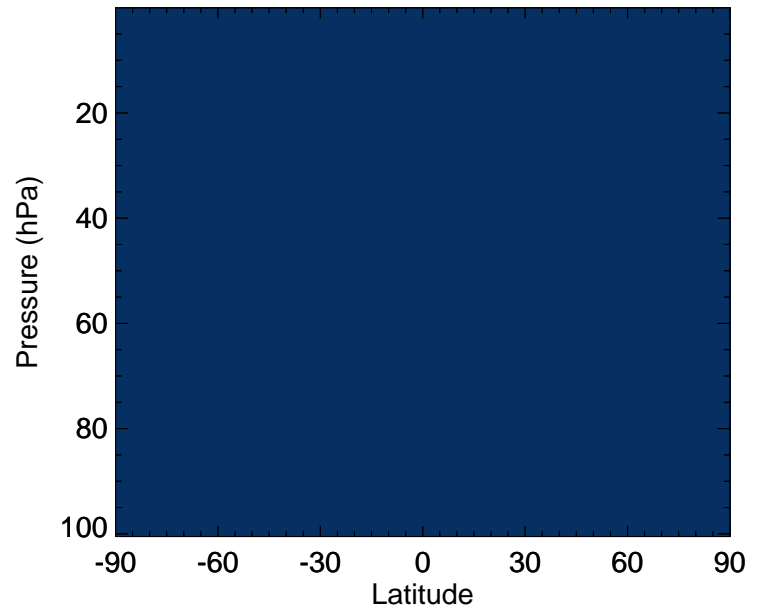
GC\_12.0.0 - v11-02e-Run1

SOAIE - Strat zonal mean abs diff for Jul



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

SOAIE - Strat zonal mean % diff for Jul

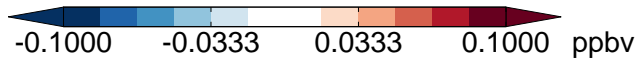




# GEOS-Chem Stratospheric Zonal Difference Maps

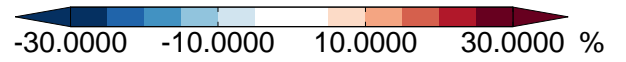
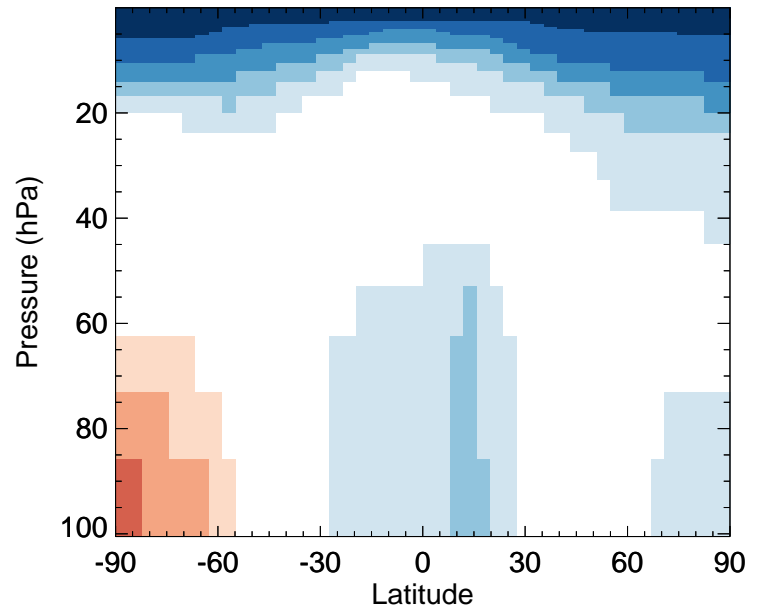
GC\_12.0.0 - v11-02f-Run1

SOAME - Strat zonal mean abs diff for Jul



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

SOAME - Strat zonal mean % diff for Jul



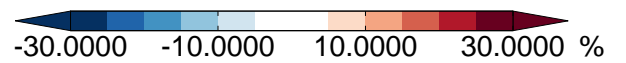
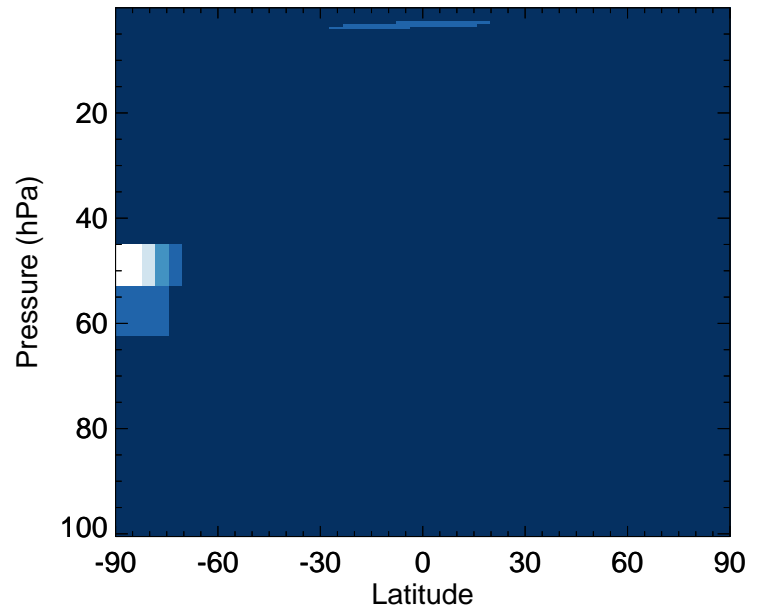
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SOAME - Strat zonal mean abs diff for Jul



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

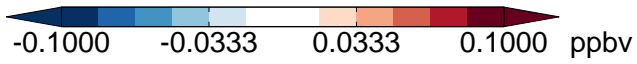
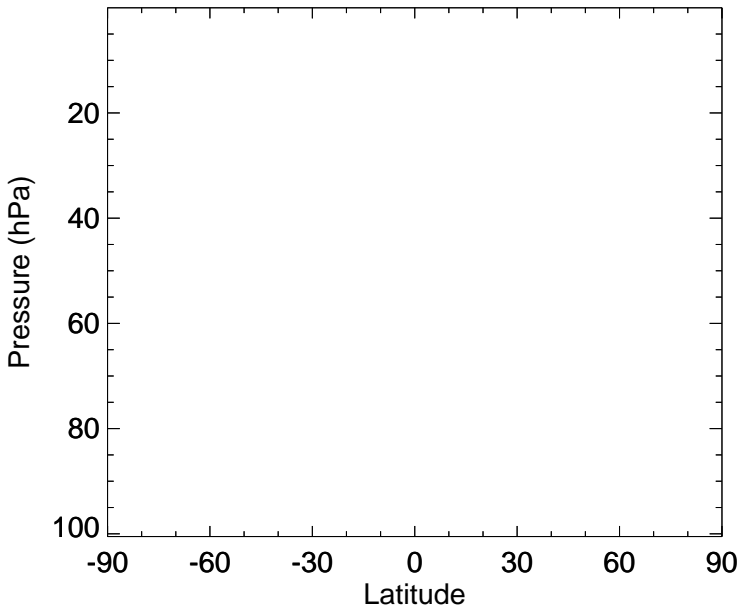
SOAME - Strat zonal mean % diff for Jul



# GEOS-Chem Stratospheric Zonal Difference Maps

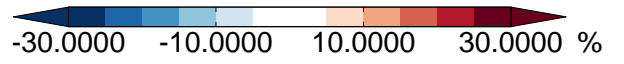
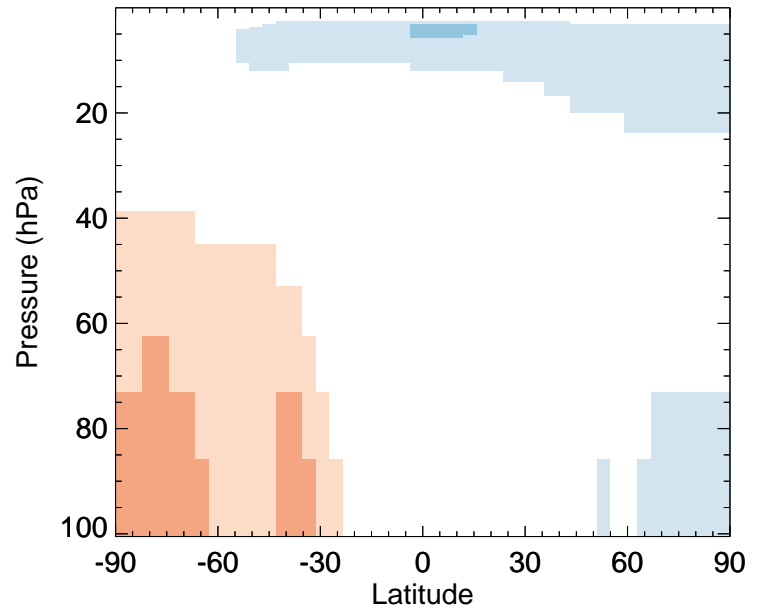
GC\_12.0.0 - v11-02f-Run1

SOAGX - Strat zonal mean abs diff for Jul



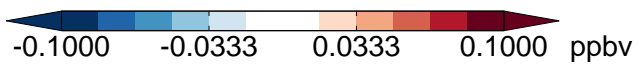
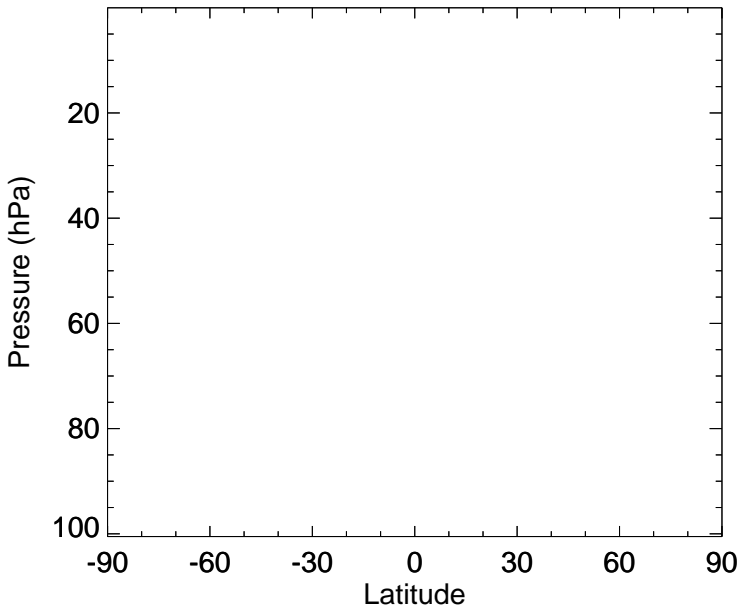
GC\_12.0.0 / v11-02f-Run1

SOAGX - Strat zonal mean % diff for Jul



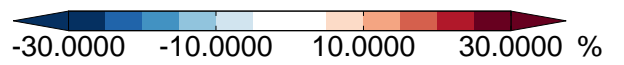
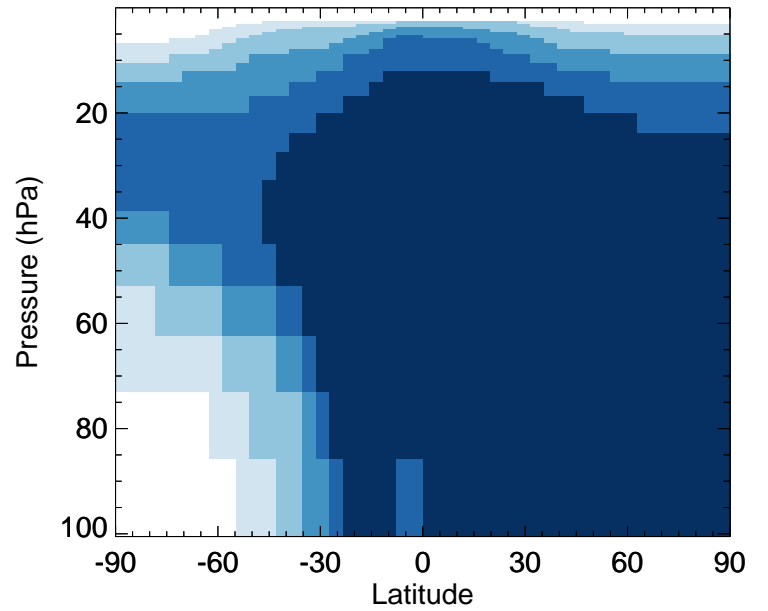
GC\_12.0.0 - v11-02e-Run1

SOAGX - Strat zonal mean abs diff for Jul



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

SOAGX - Strat zonal mean % diff for Jul



# GEOS-Chem Stratospheric Zonal Difference Maps

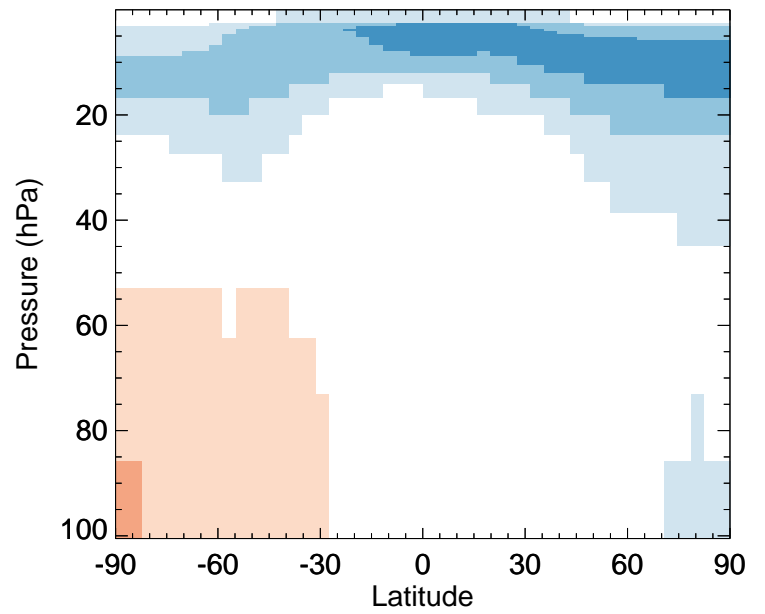
GC\_12.0.0 - v11-02f-Run1

SOAMG - Strat zonal mean abs diff for Jul



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

SOAMG - Strat zonal mean % diff for Jul



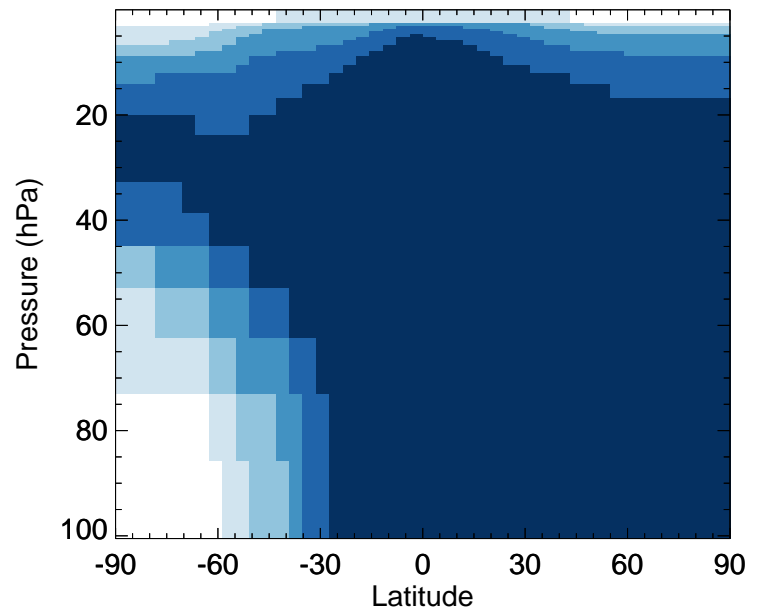
GC\_12.0.0 - v11-02e-Run1

SOAMG - Strat zonal mean abs diff for Jul



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

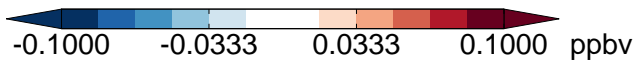
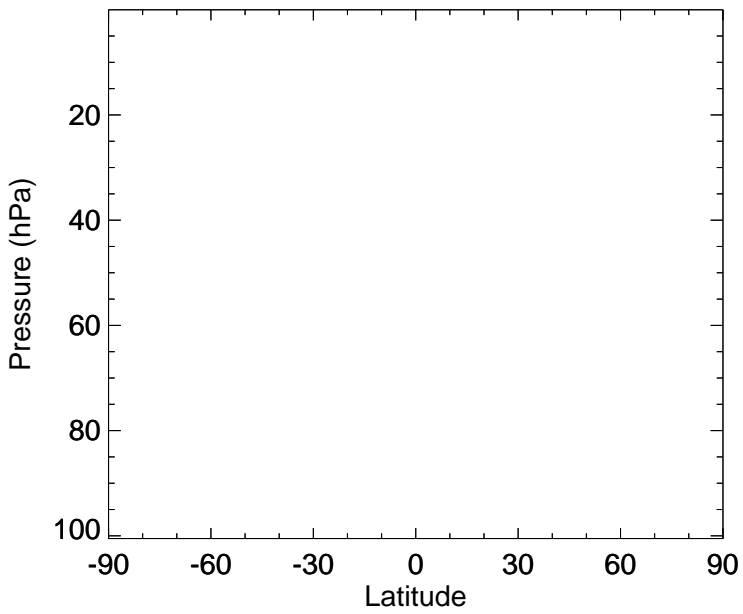
SOAMG - Strat zonal mean % diff for Jul



# GEOS-Chem Stratospheric Zonal Difference Maps

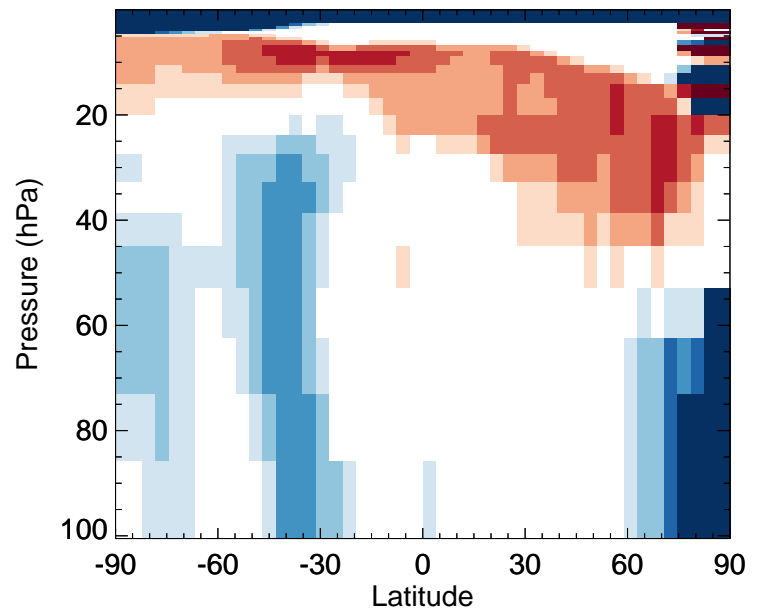
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LVOC - Strat zonal mean abs diff for Jul



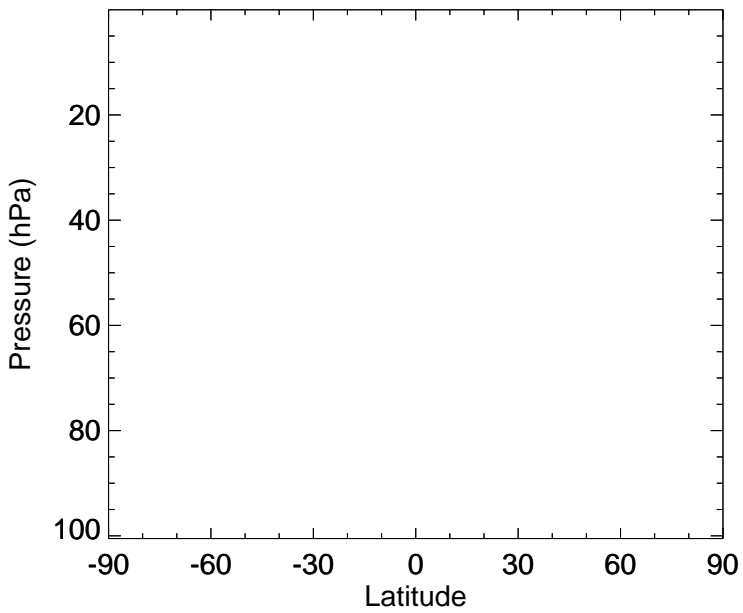
GC\_12.0.0 / v11-02f-Run1

LVOC - Strat zonal mean % diff for Jul



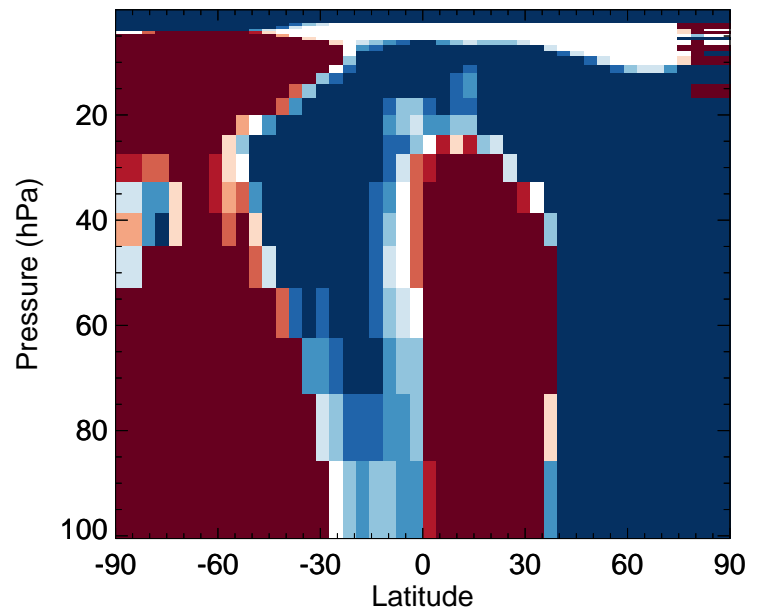
GC\_12.0.0 - v11-02e-Run1

LVOC - Strat zonal mean abs diff for Jul



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

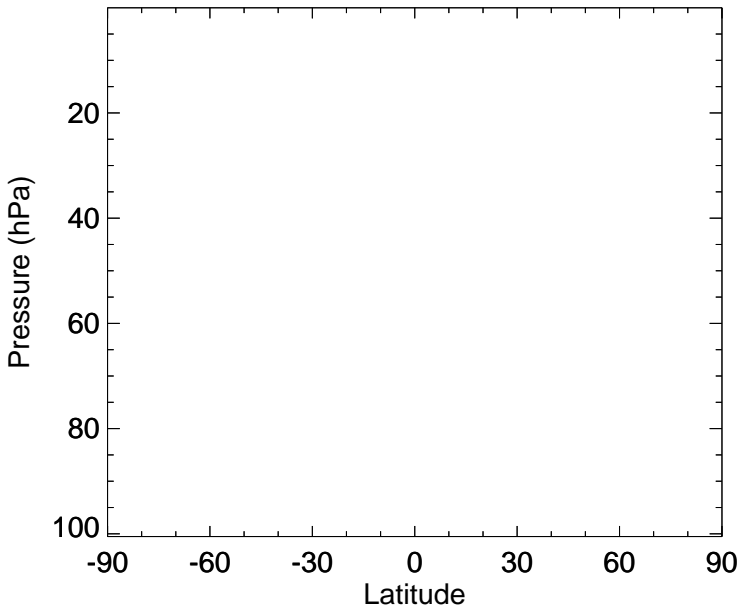
LVOC - Strat zonal mean % diff for Jul



# GEOS-Chem Stratospheric Zonal Difference Maps

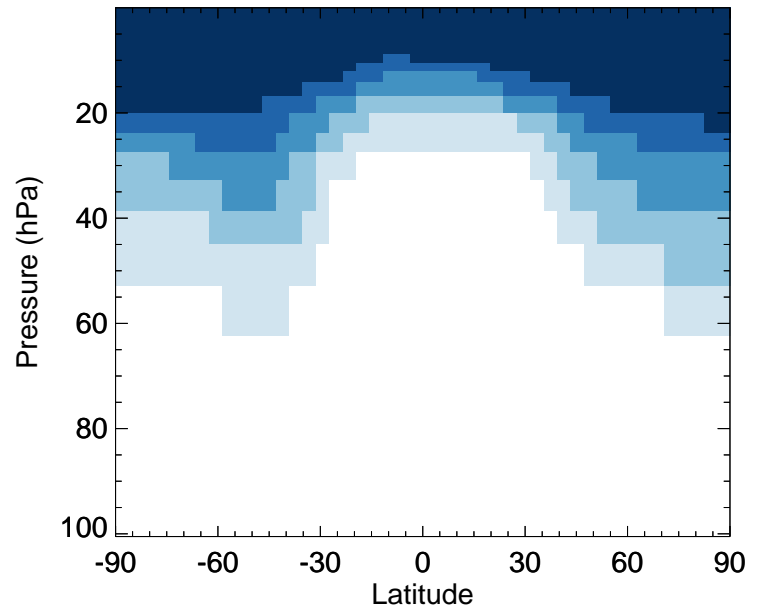
GC\_12.0.0 - v11-02f-Run1

LVOCOA - Strat zonal mean abs diff for Jul



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

LVOCOA - Strat zonal mean % diff for Jul



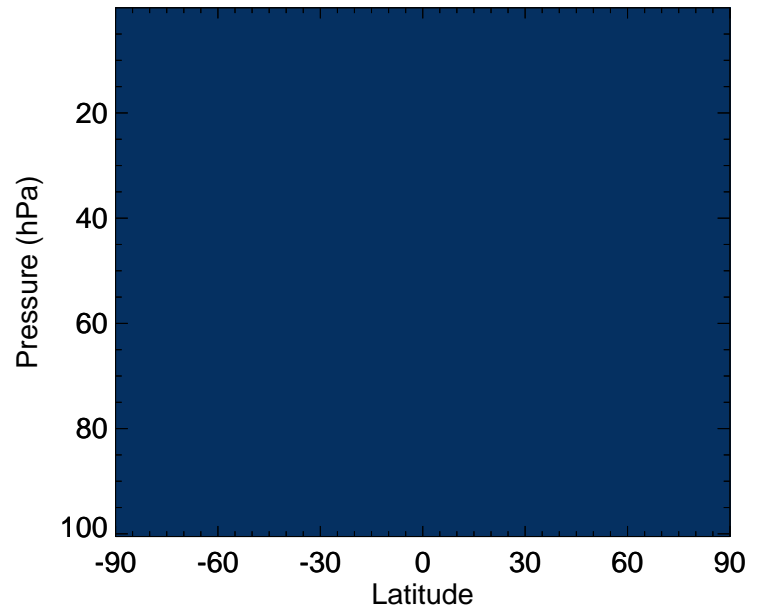
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LVOCOA - Strat zonal mean abs diff for Jul



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

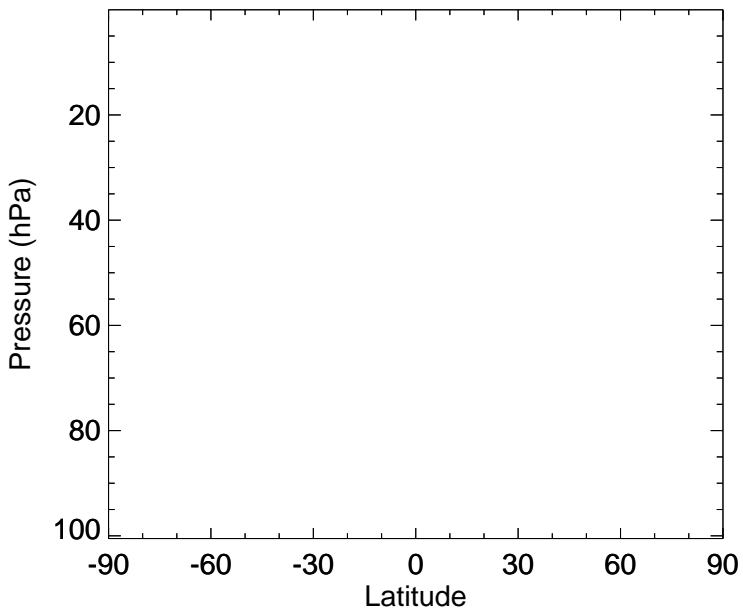
LVOCOA - Strat zonal mean % diff for Jul



# GEOS-Chem Stratospheric Zonal Difference Maps

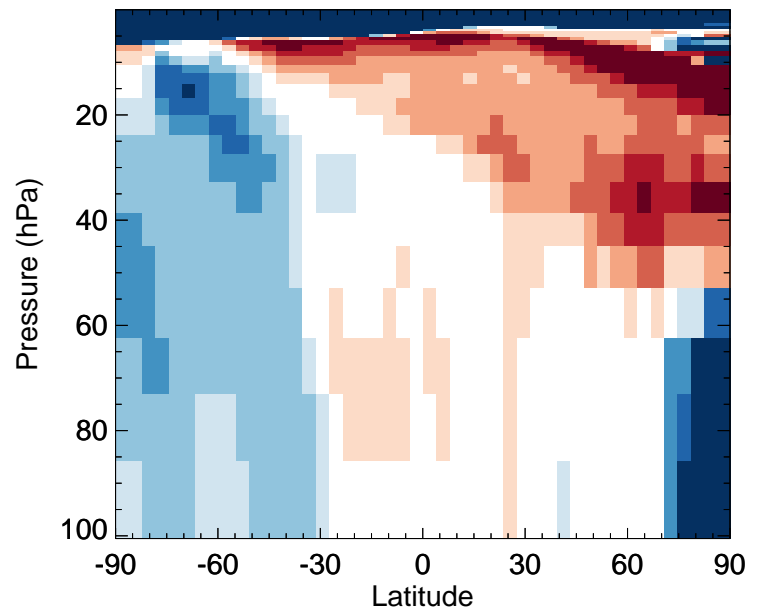
GC\_12.0.0 - v11-02f-Run1

ISN1OG - Strat zonal mean abs diff for Jul



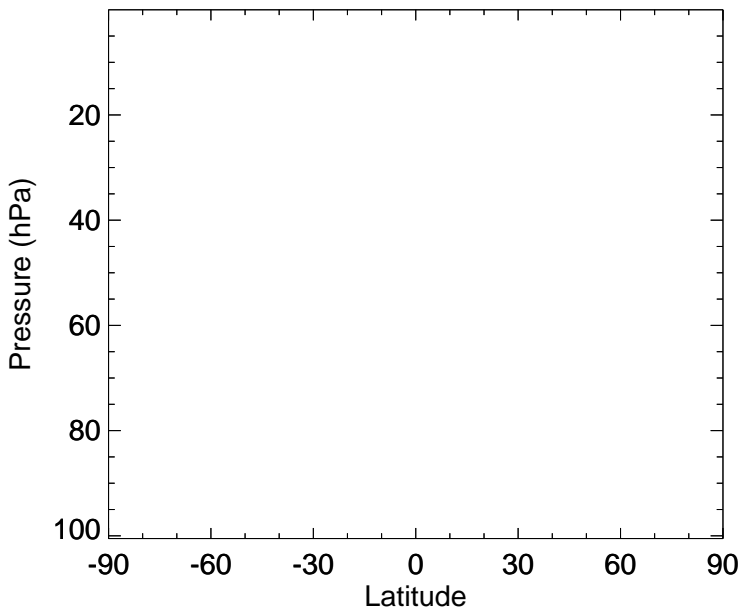
GC\_12.0.0 / v11-02f-Run1

ISN1OG - Strat zonal mean % diff for Jul



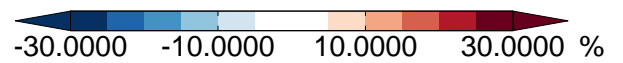
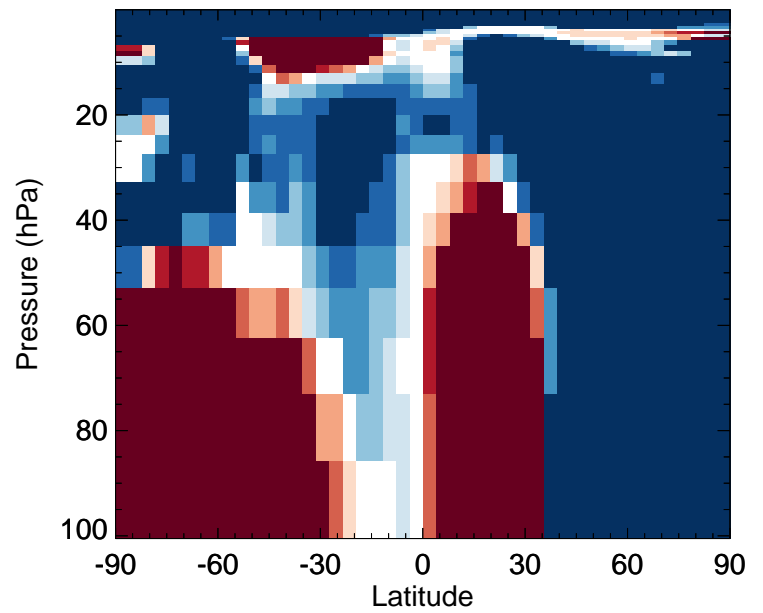
GC\_12.0.0 - v11-02e-Run1

ISN1OG - Strat zonal mean abs diff for Jul



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

ISN1OG - Strat zonal mean % diff for Jul



# GEOS-Chem Stratospheric Zonal Difference Maps

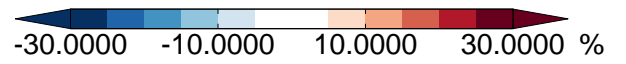
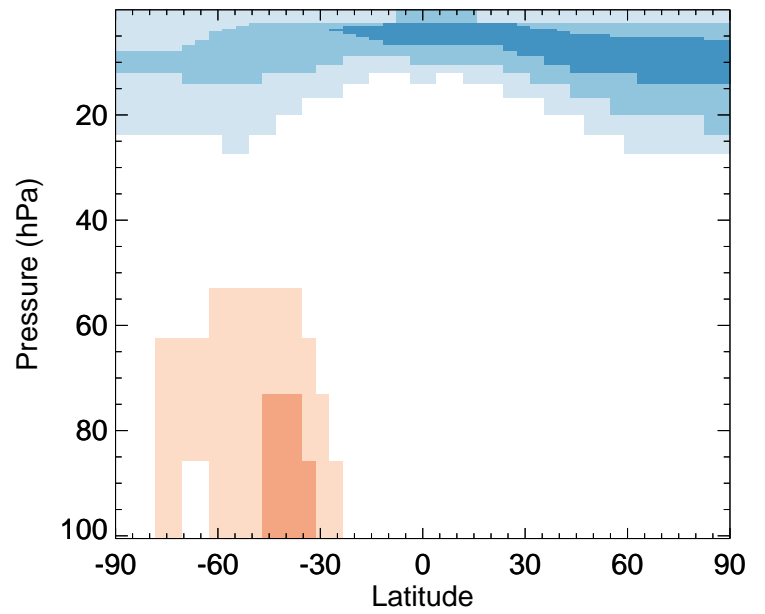
GC\_12.0.0 - v11-02f-Run1

ISN10A - Strat zonal mean abs diff for Jul



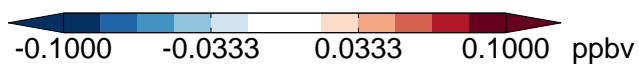
GC\_12.0.0 / v11-02f-Run1

ISN10A - Strat zonal mean % diff for Jul



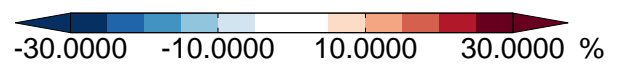
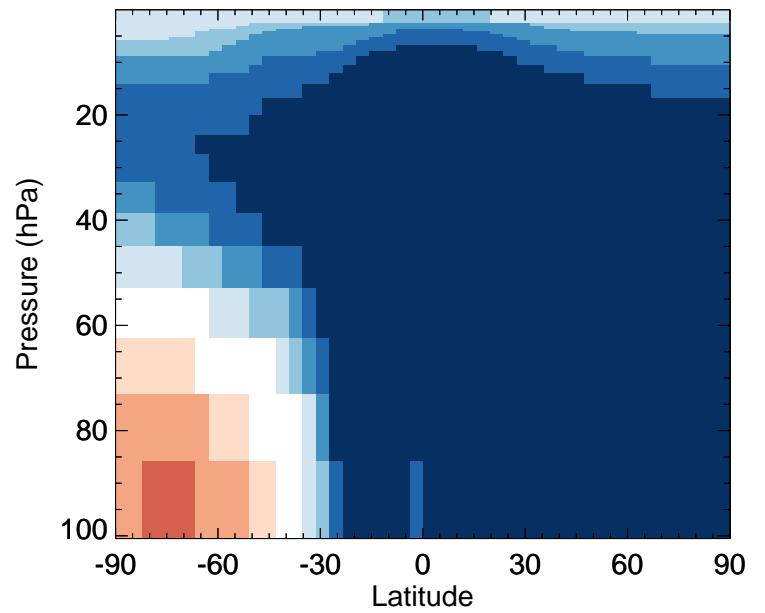
GC\_12.0.0 - v11-02e-Run1

ISN10A - Strat zonal mean abs diff for Jul



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

ISN10A - Strat zonal mean % diff for Jul



# GEOS-Chem Stratospheric Zonal Difference Maps

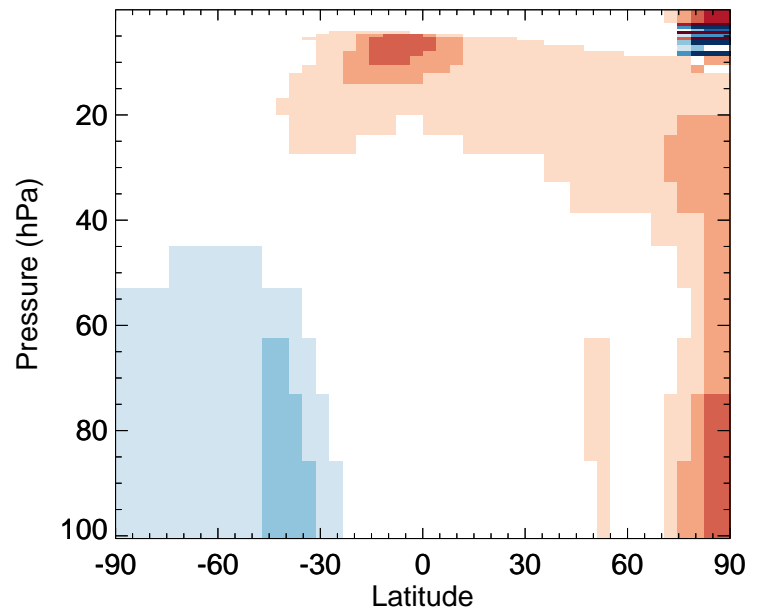
GC\_12.0.0 - v11-02f-Run1

MONITS - Strat zonal mean abs diff for Jul



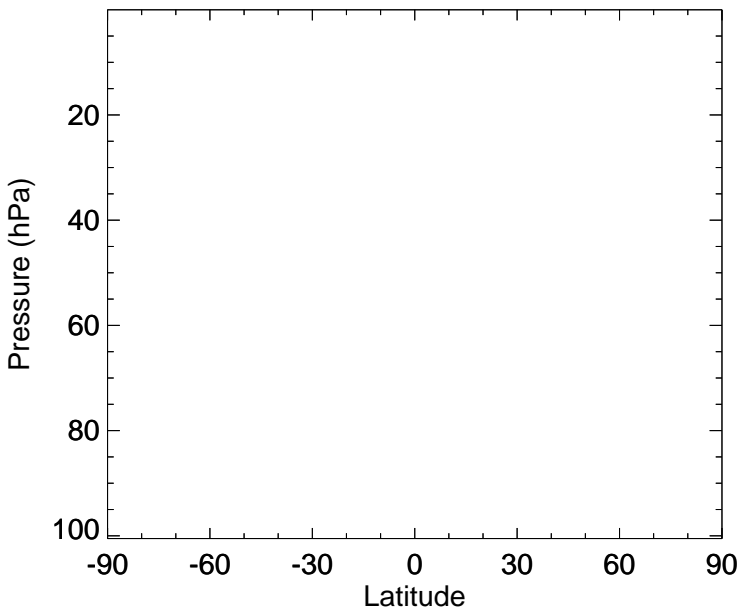
GC\_12.0.0 / v11-02f-Run1

MONITS - Strat zonal mean % diff for Jul



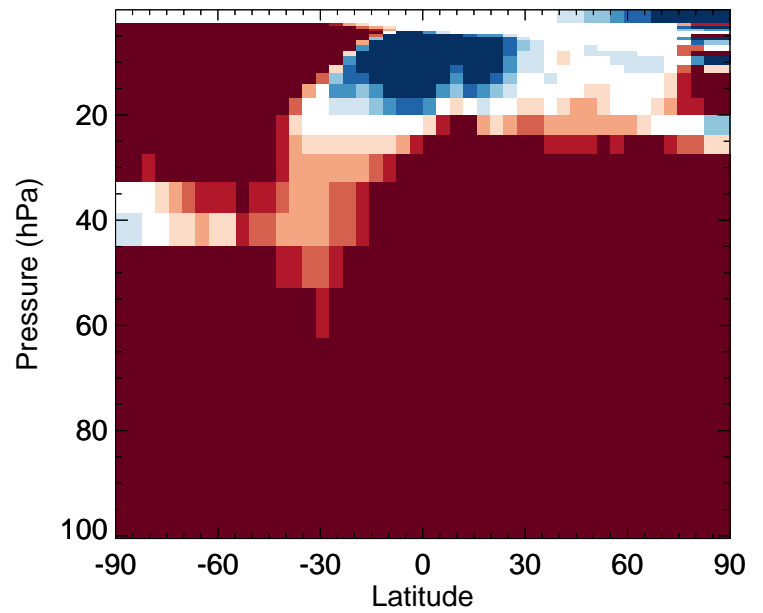
GC\_12.0.0 - v11-02e-Run1

MONITS - Strat zonal mean abs diff for Jul



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

MONITS - Strat zonal mean % diff for Jul





GEOS-Chem Stratospheric Zonal Difference Maps

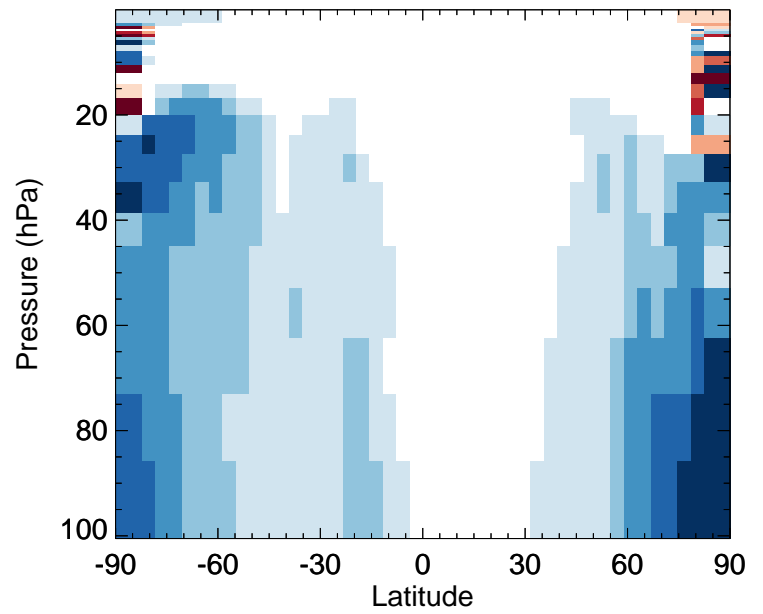
GC\_12.0.0 - v11-02f-Run1

MONITU - Strat zonal mean abs diff for Jul



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

MONITU - Strat zonal mean % diff for Jul



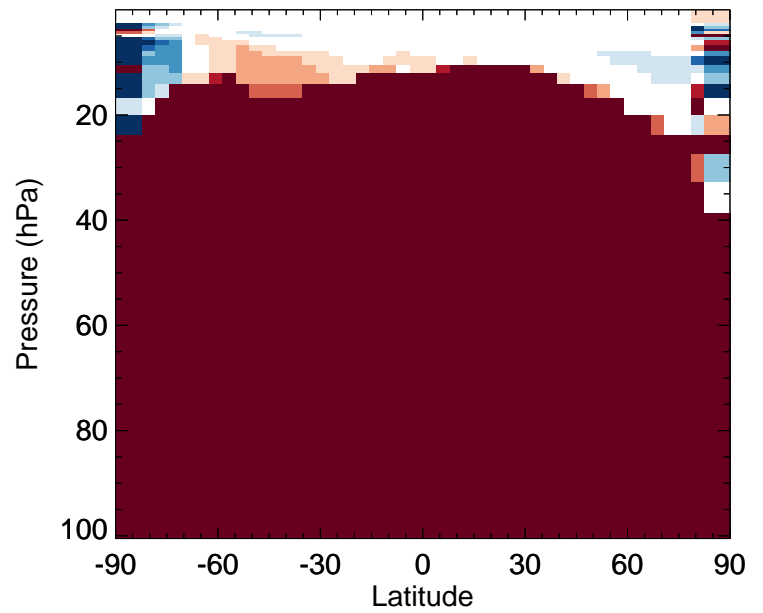
GC\_12.0.0 - v11-02e-Run1

MONITU - Strat zonal mean abs diff for Jul



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

MONITU - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

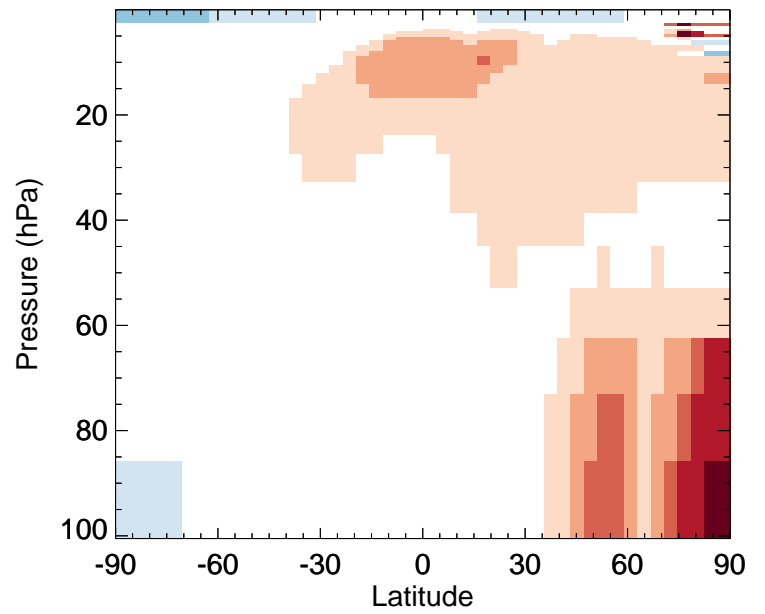
GC\_12.0.0 - v11-02f-Run1

HONIT - Strat zonal mean abs diff for Jul



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

HONIT - Strat zonal mean % diff for Jul



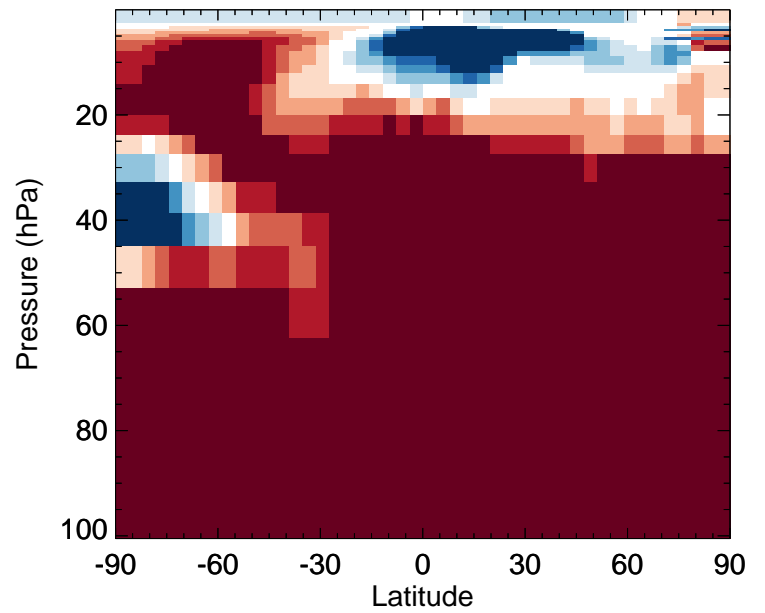
GC\_12.0.0 - v11-02e-Run1

HONIT - Strat zonal mean abs diff for Jul



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

HONIT - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

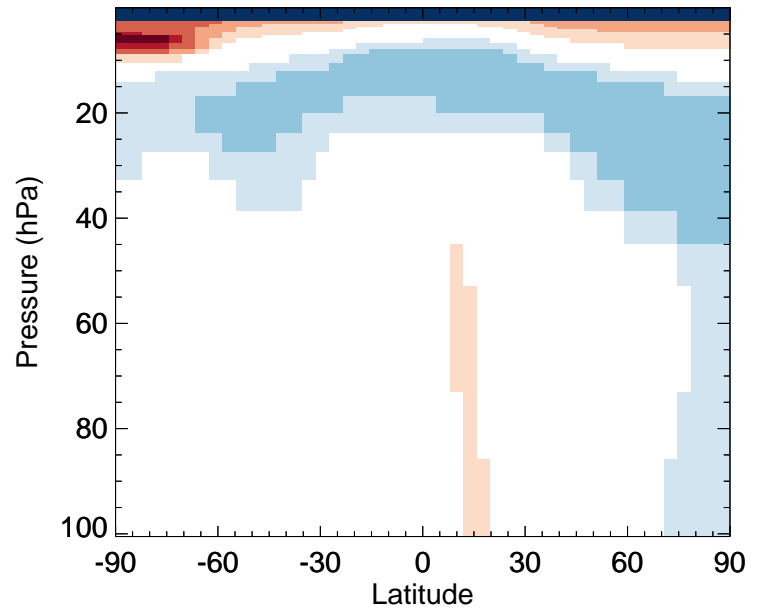
GC\_12.0.0 - v11-02f-Run1

IONITA - Strat zonal mean abs diff for Jul



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

IONITA - Strat zonal mean % diff for Jul



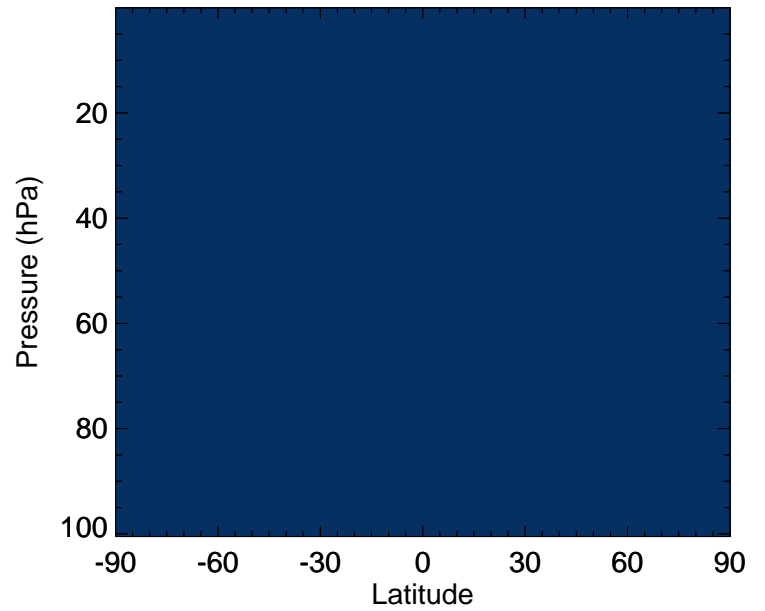
GC\_12.0.0 - v11-02e-Run1

IONITA - Strat zonal mean abs diff for Jul



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

IONITA - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

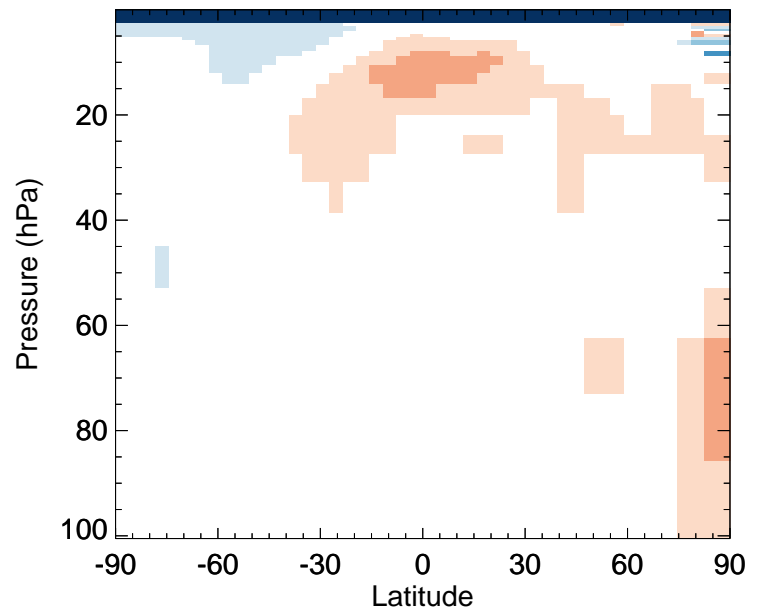
GC\_12.0.0 - v11-02f-Run1

MONITA - Strat zonal mean abs diff for Jul



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

MONITA - Strat zonal mean % diff for Jul



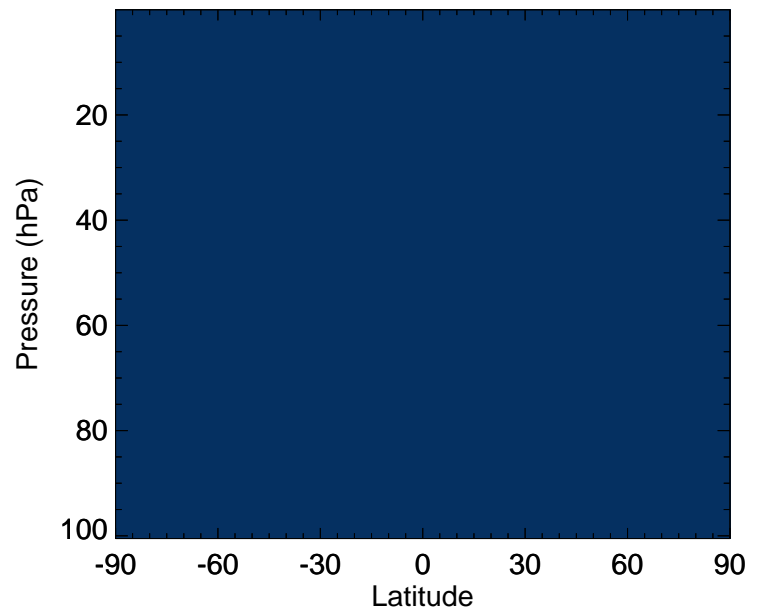
GC\_12.0.0 - v11-02e-Run1

MONITA - Strat zonal mean abs diff for Jul



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

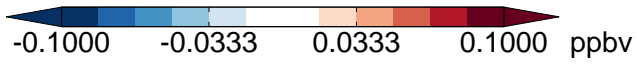
MONITA - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

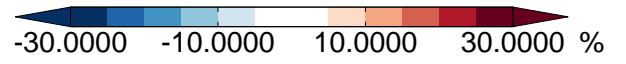
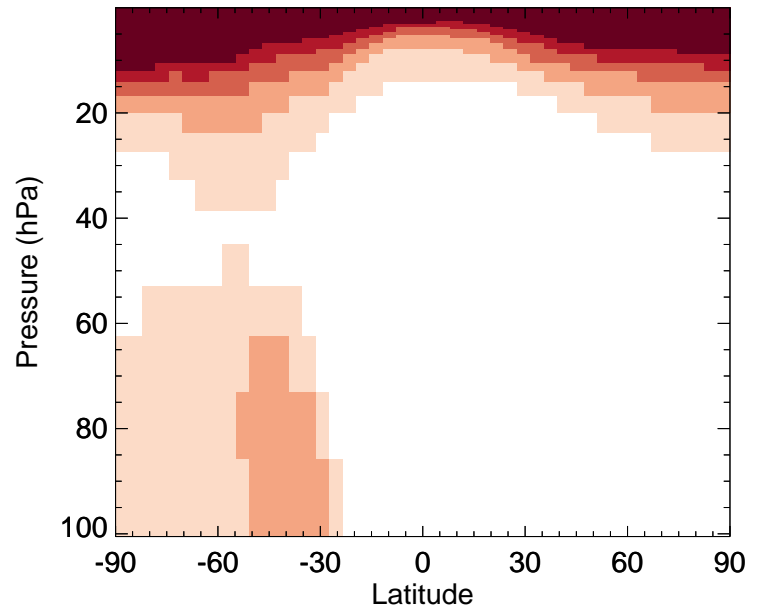
GC\_12.0.0 - v11-02f-Run1

INDIOL - Strat zonal mean abs diff for Jul



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

INDIOL - Strat zonal mean % diff for Jul



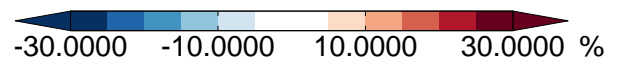
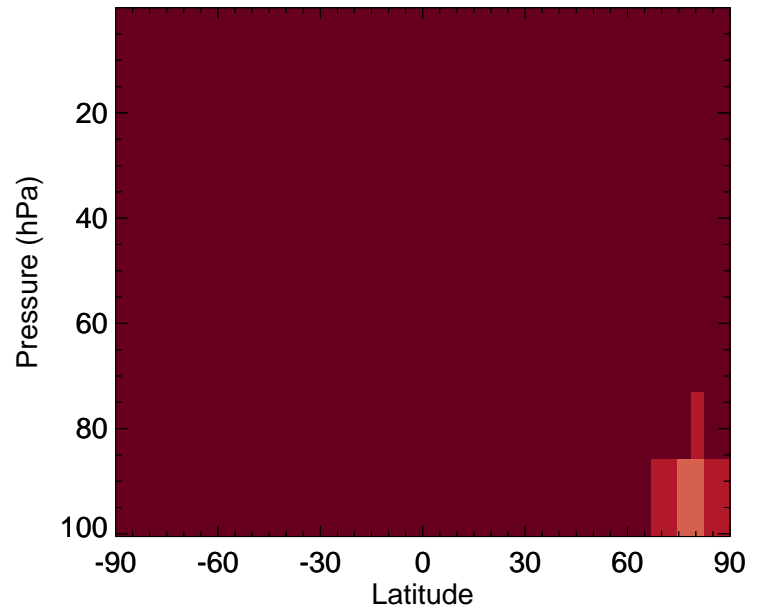
GC\_12.0.0 - v11-02e-Run1

INDIOL - Strat zonal mean abs diff for Jul



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

INDIOL - Strat zonal mean % diff for Jul



# GEOS-Chem Stratospheric Zonal Difference Maps

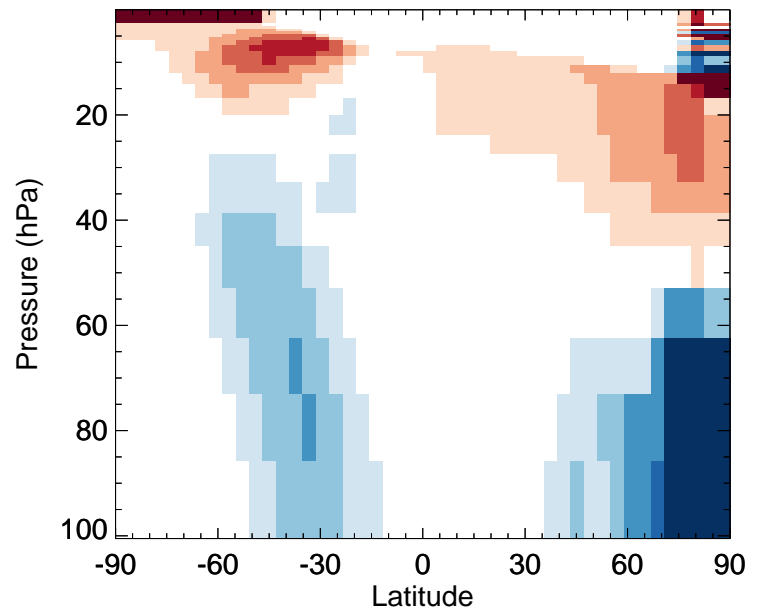
GC\_12.0.0 - v11-02f-Run1

IPMN - Strat zonal mean abs diff for Jul



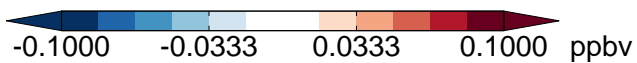
GC\_12.0.0 / v11-02f-Run1

IPMN - Strat zonal mean % diff for Jul



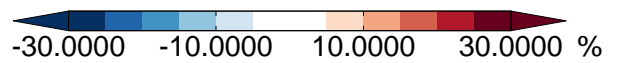
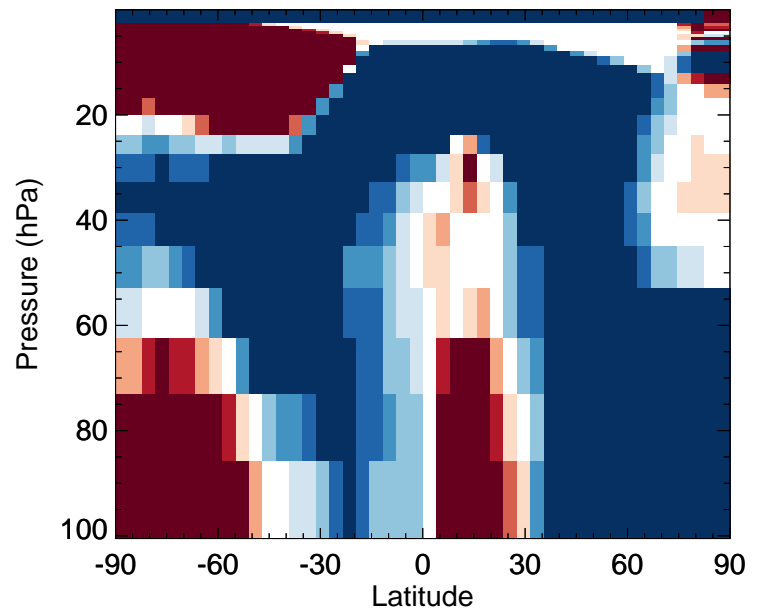
GC\_12.0.0 - v11-02e-Run1

IPMN - Strat zonal mean abs diff for Jul



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

IPMN - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

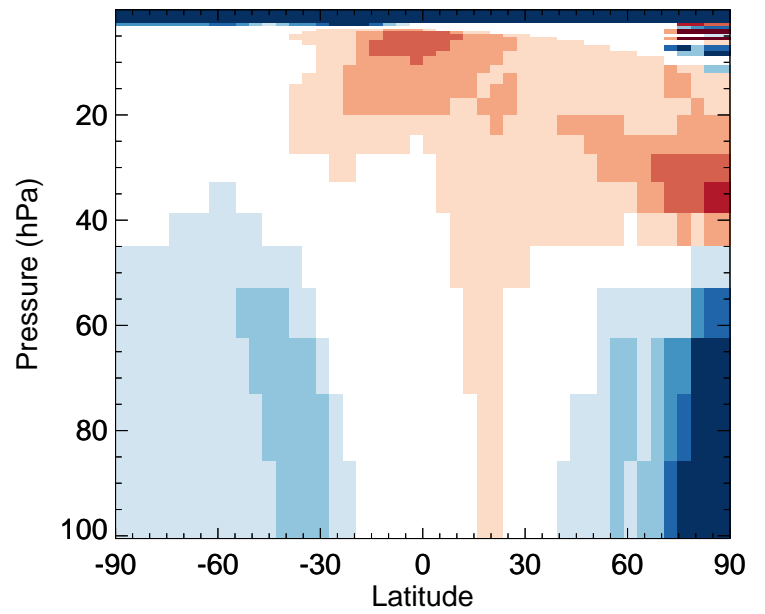
GC\_12.0.0 - v11-02f-Run1

HC187 - Strat zonal mean abs diff for Jul



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

HC187 - Strat zonal mean % diff for Jul



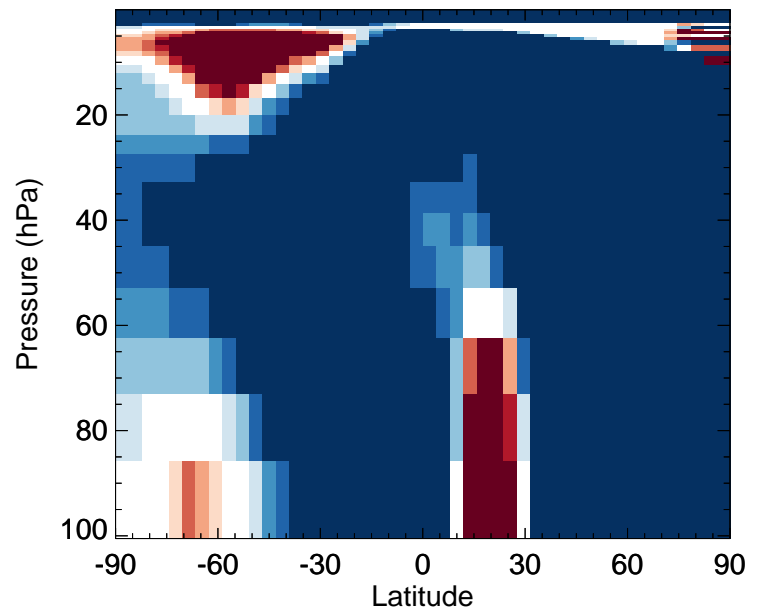
GC\_12.0.0 - v11-02e-Run1

HC187 - Strat zonal mean abs diff for Jul



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

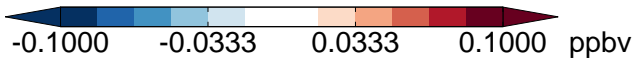
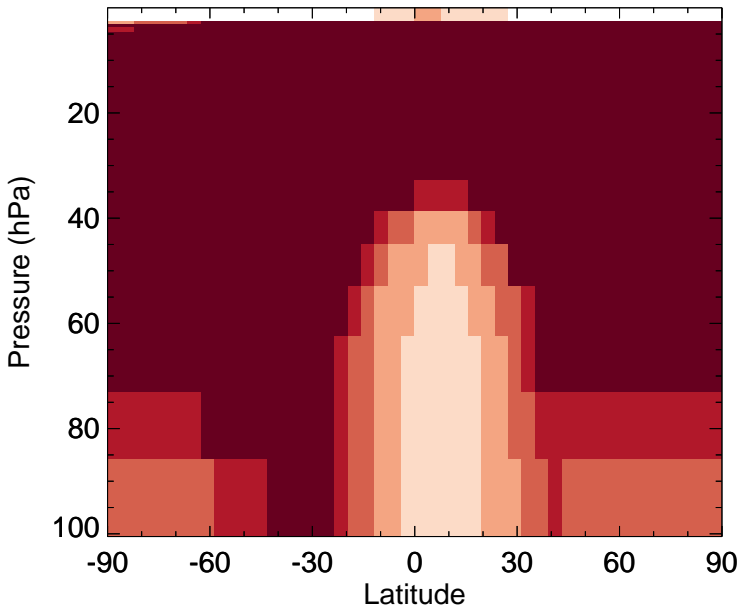
HC187 - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

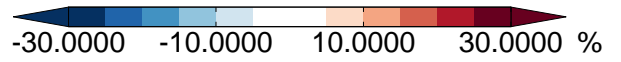
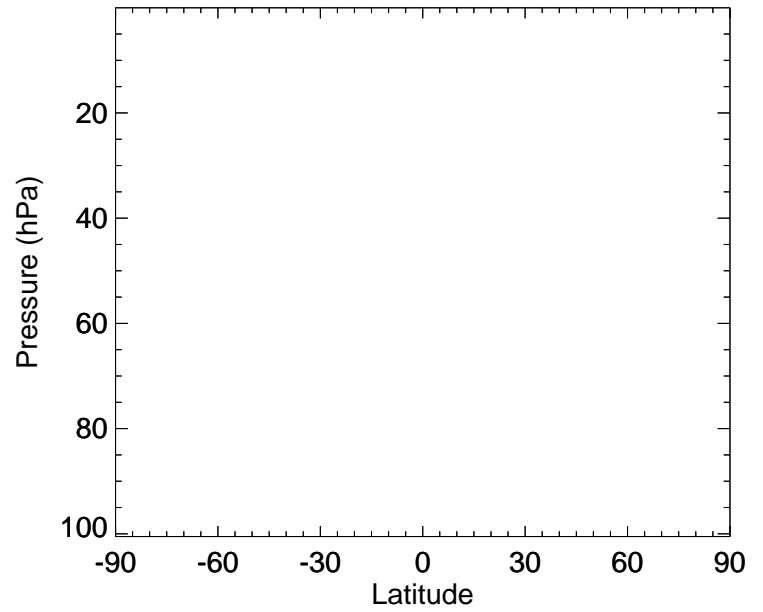
GC\_12.0.0 - v11-02f-Run1

N2O - Strat zonal mean abs diff for Jul



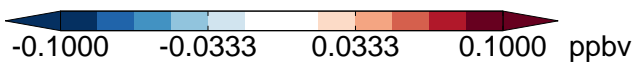
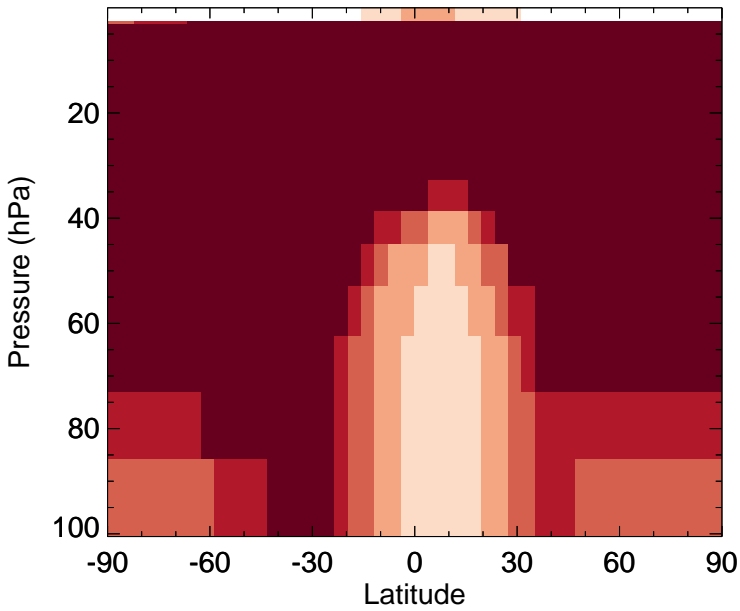
GC\_12.0.0 / v11-02f-Run1

N2O - Strat zonal mean % diff for Jul



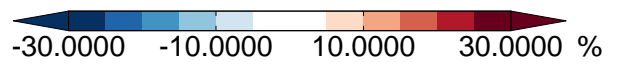
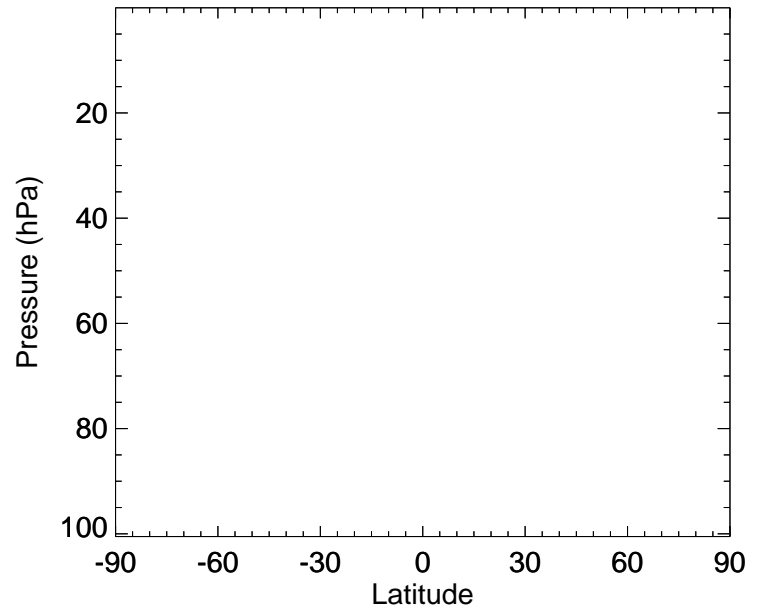
GC\_12.0.0 - v11-02e-Run1

N2O - Strat zonal mean abs diff for Jul



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

N2O - Strat zonal mean % diff for Jul

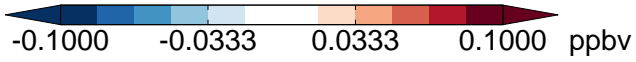




GEOS-Chem Stratospheric Zonal Difference Maps

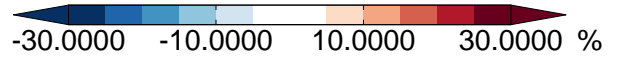
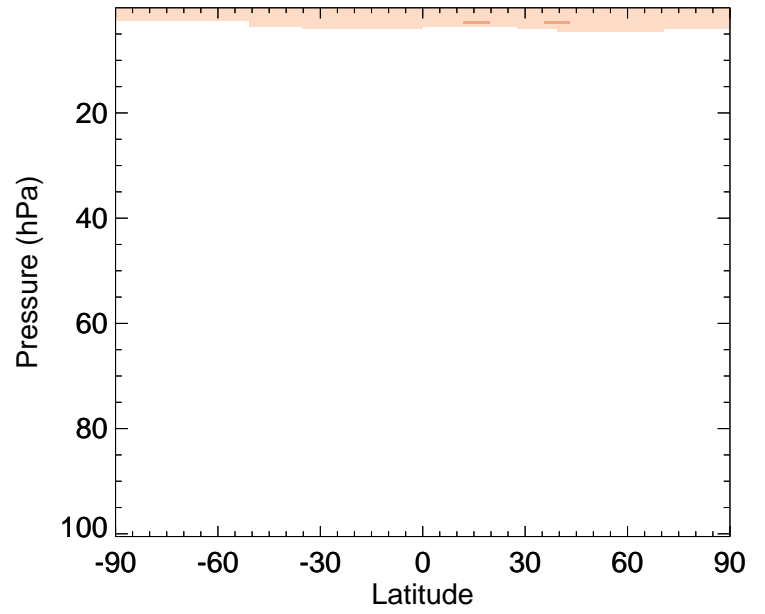
GC\_12.0.0 - v11-02f-Run1

OCS - Strat zonal mean abs diff for Jul



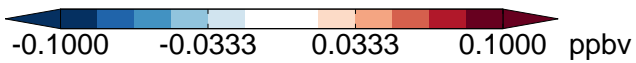
GC\_12.0.0 / v11-02f-Run1

OCS - Strat zonal mean % diff for Jul



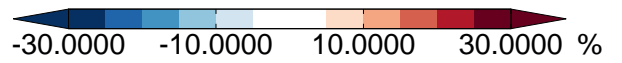
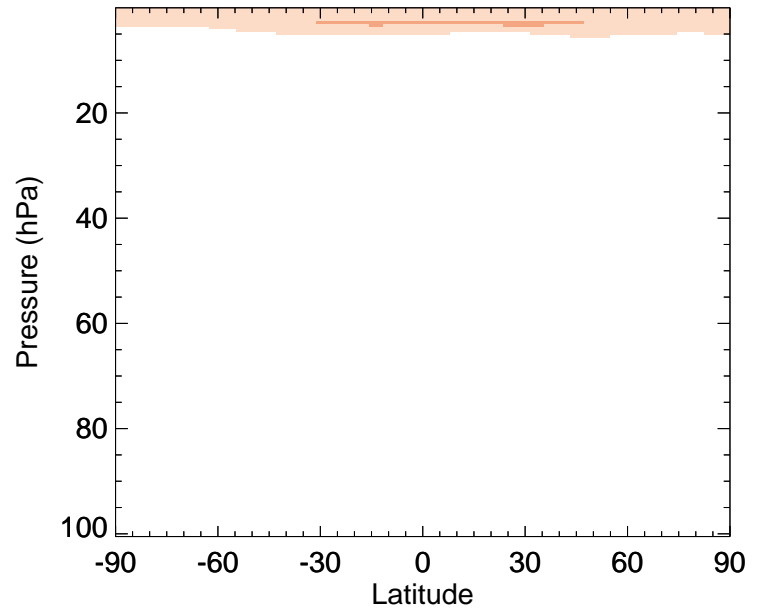
GC\_12.0.0 - v11-02e-Run1

OCS - Strat zonal mean abs diff for Jul



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

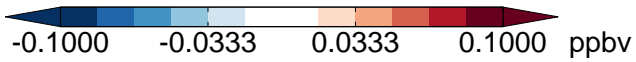
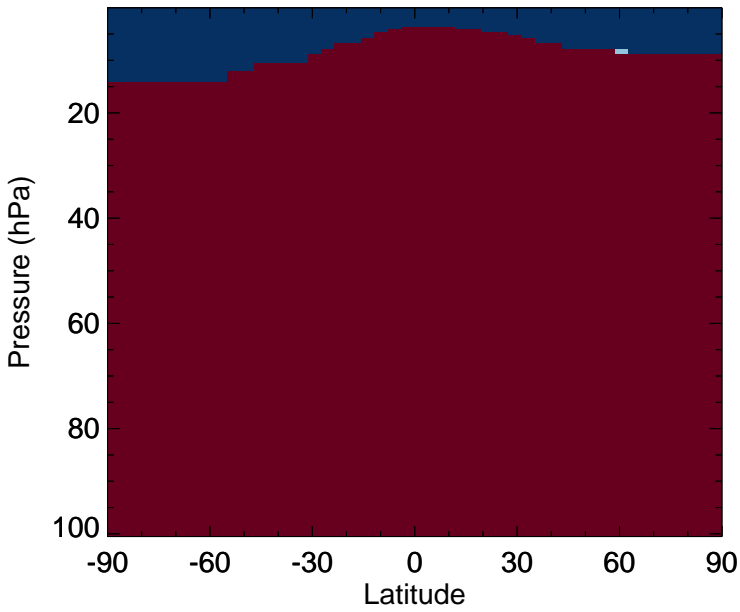
OCS - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

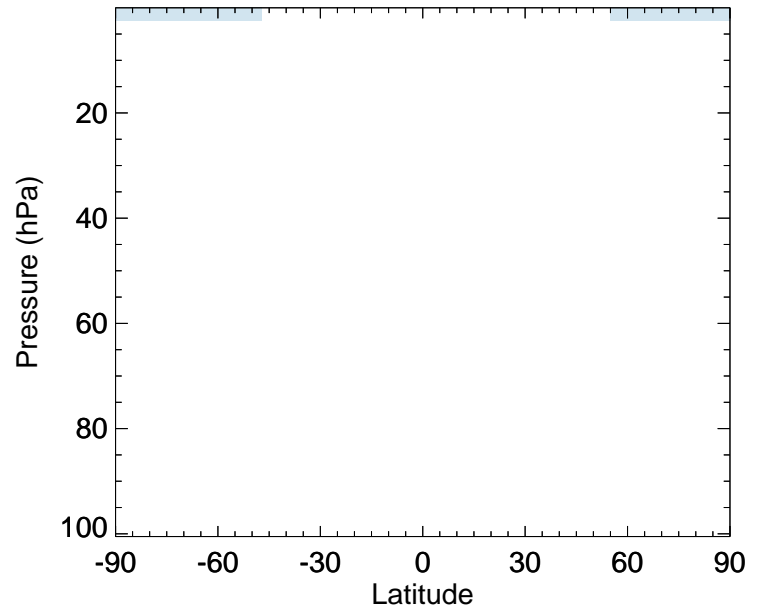
GC\_12.0.0 - v11-02f-Run1

CH4 - Strat zonal mean abs diff for Jul



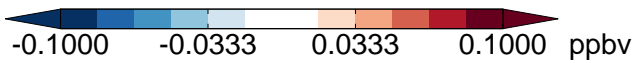
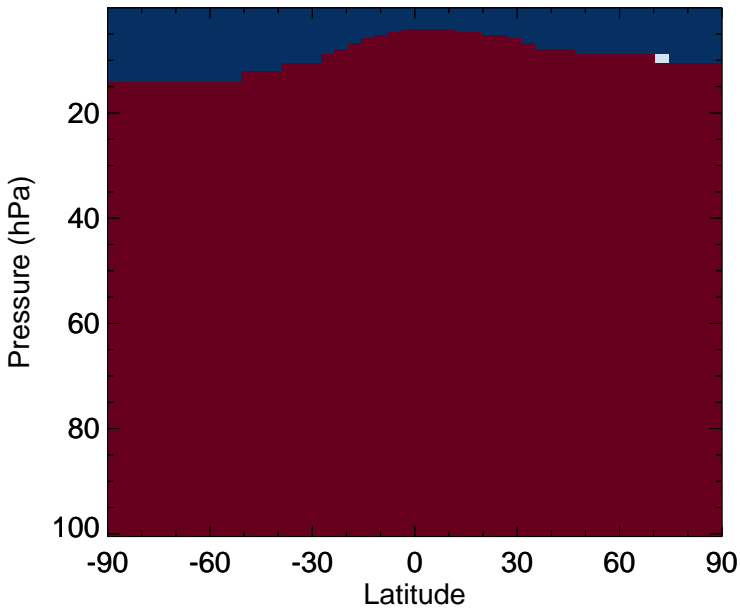
GC\_12.0.0 / v11-02f-Run1

CH4 - Strat zonal mean % diff for Jul



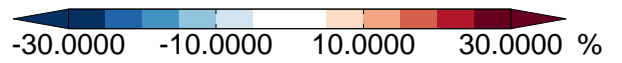
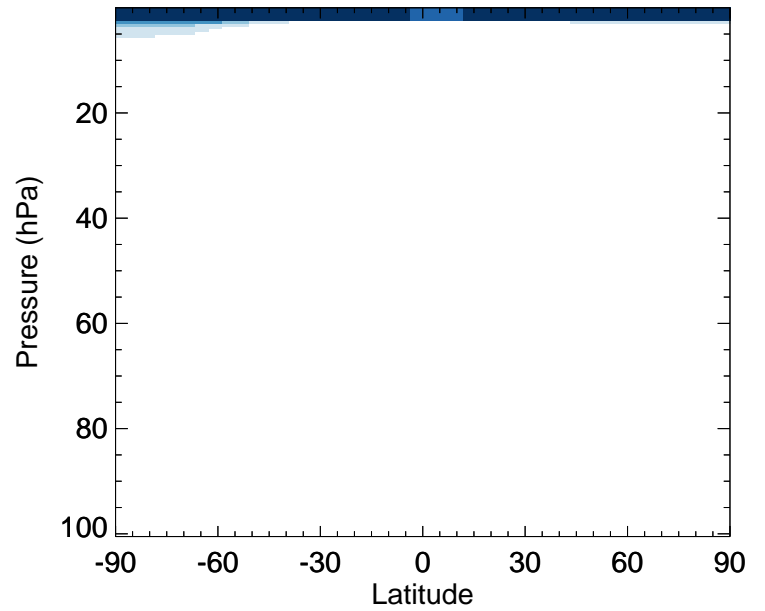
GC\_12.0.0 - v11-02e-Run1

CH4 - Strat zonal mean abs diff for Jul



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

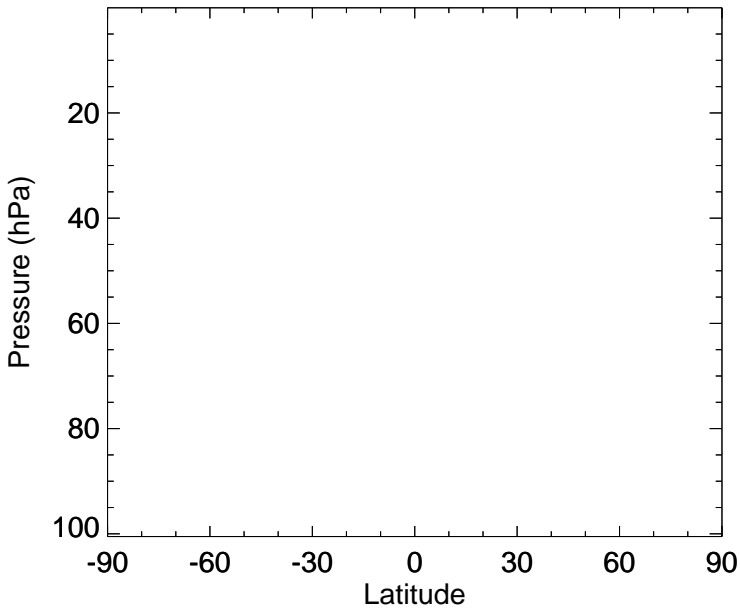
CH4 - Strat zonal mean % diff for Jul



# GEOS-Chem Stratospheric Zonal Difference Maps

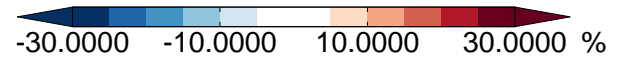
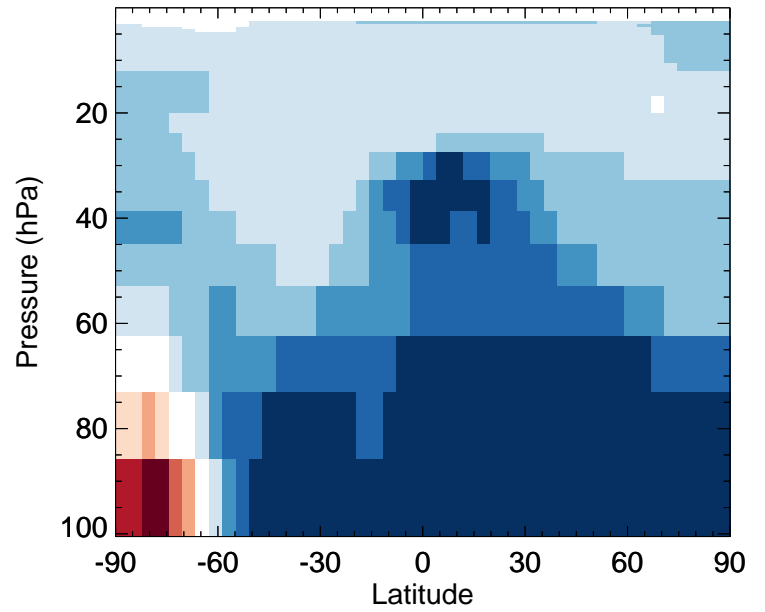
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BrCl - Strat zonal mean abs diff for Jul



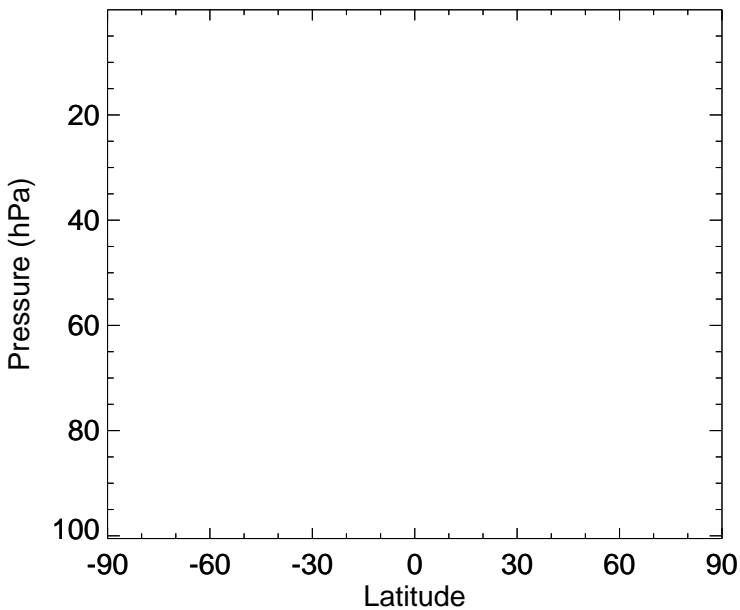
GC\_12.0.0 / v11-02f-Run1

BrCl - Strat zonal mean % diff for Jul



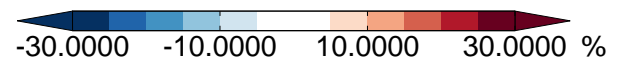
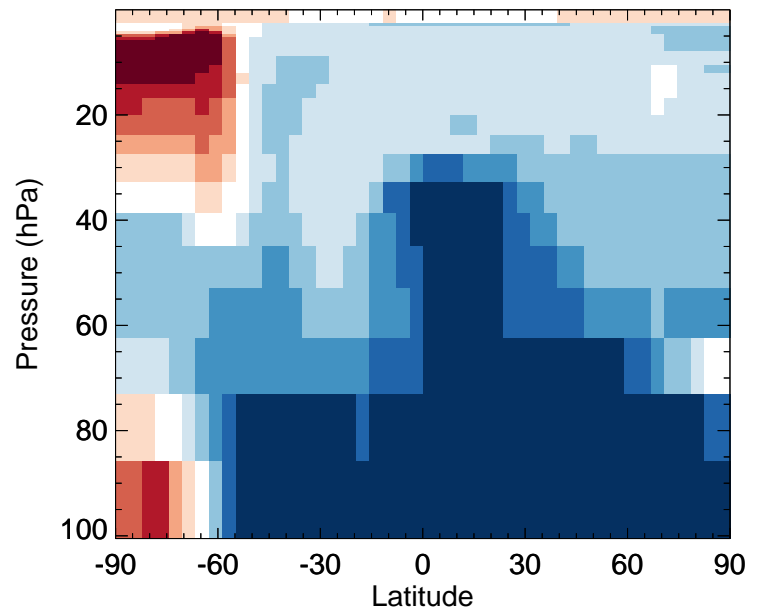
GC\_12.0.0 - v11-02e-Run1

BrCl - Strat zonal mean abs diff for Jul



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

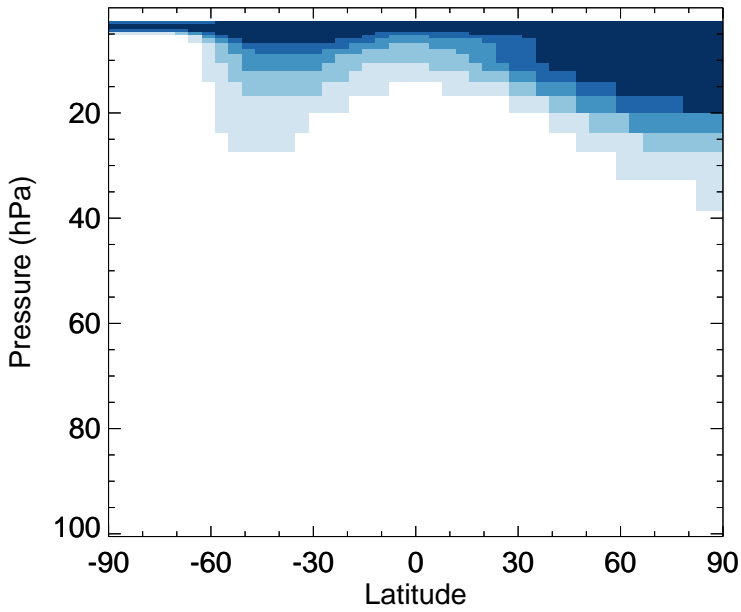
BrCl - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

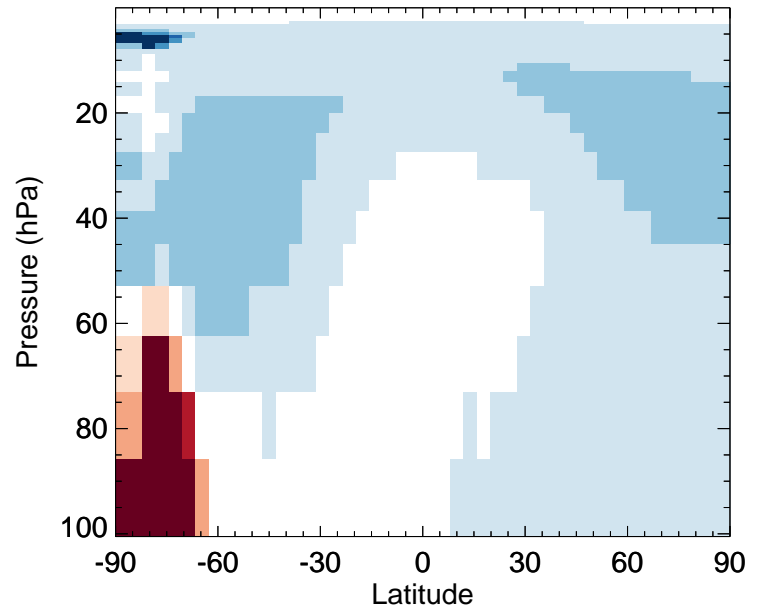
GC\_12.0.0 - v11-02f-Run1

HCl - Strat zonal mean abs diff for Jul



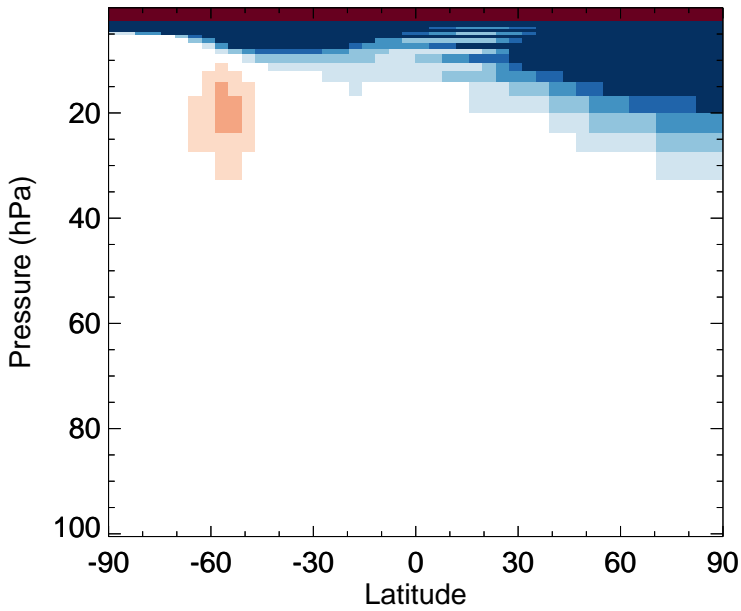
GC\_12.0.0 / v11-02f-Run1

HCl - Strat zonal mean % diff for Jul



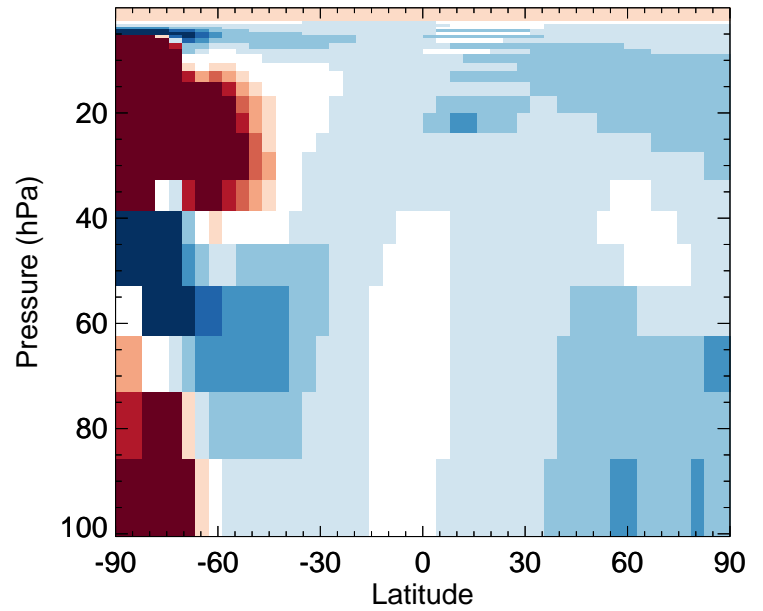
GC\_12.0.0 - v11-02e-Run1

HCl - Strat zonal mean abs diff for Jul



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

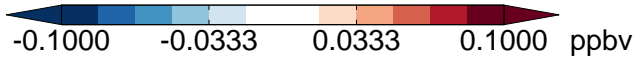
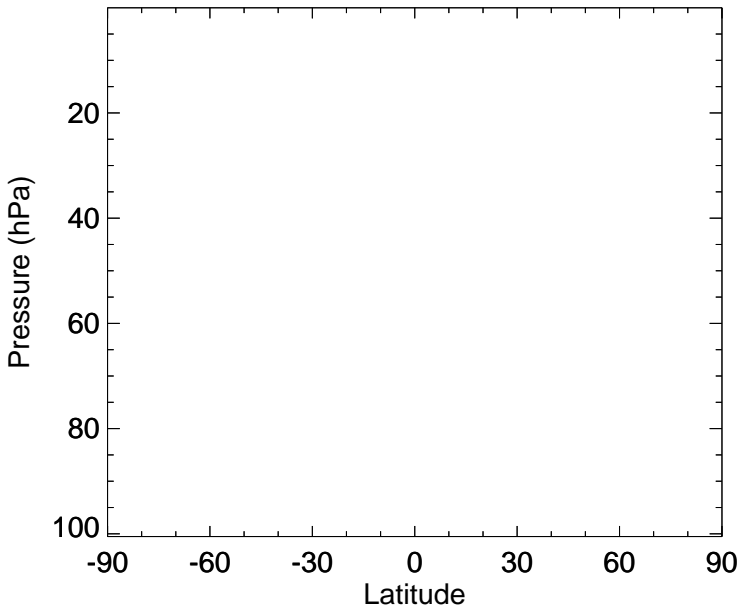
HCl - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

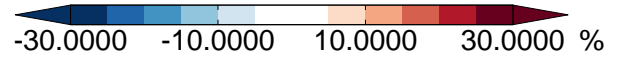
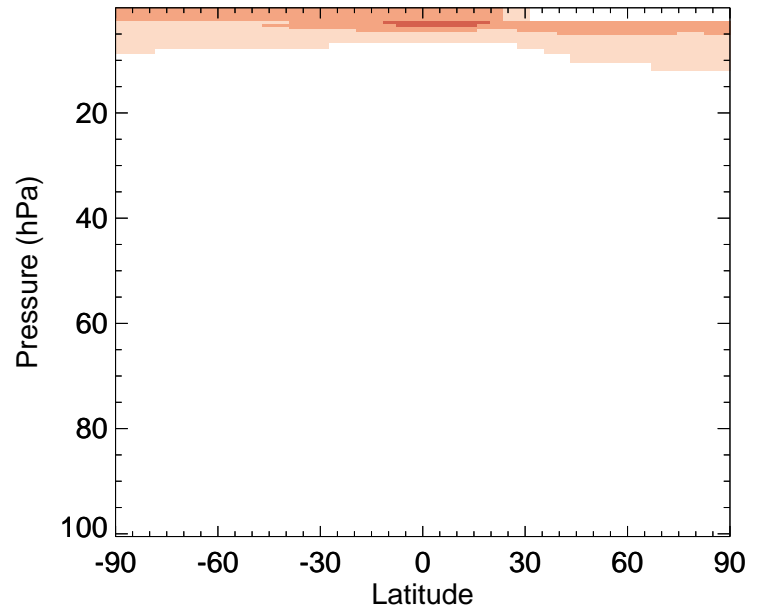
GC\_12.0.0 - v11-02f-Run1

CCI4 - Strat zonal mean abs diff for Jul



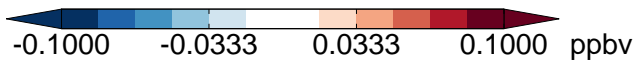
GC\_12.0.0 / v11-02f-Run1

CCI4 - Strat zonal mean % diff for Jul



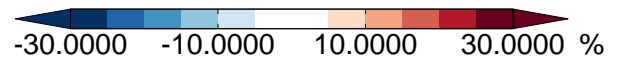
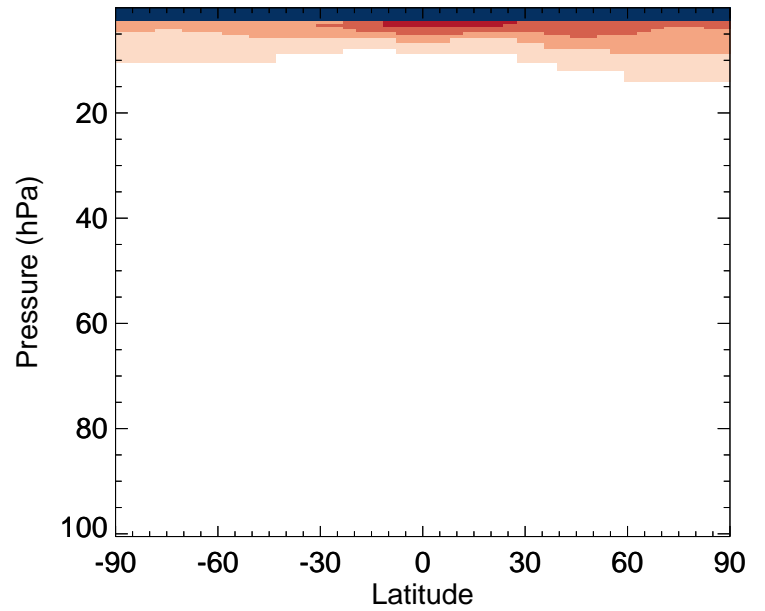
GC\_12.0.0 - v11-02e-Run1

CCI4 - Strat zonal mean abs diff for Jul



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

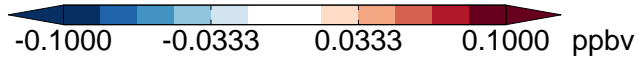
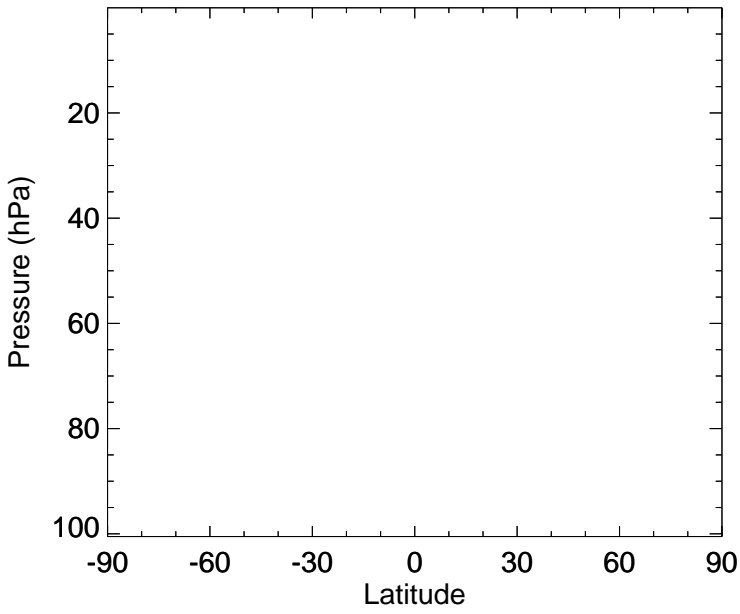
CCI4 - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

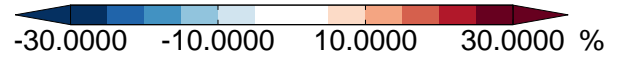
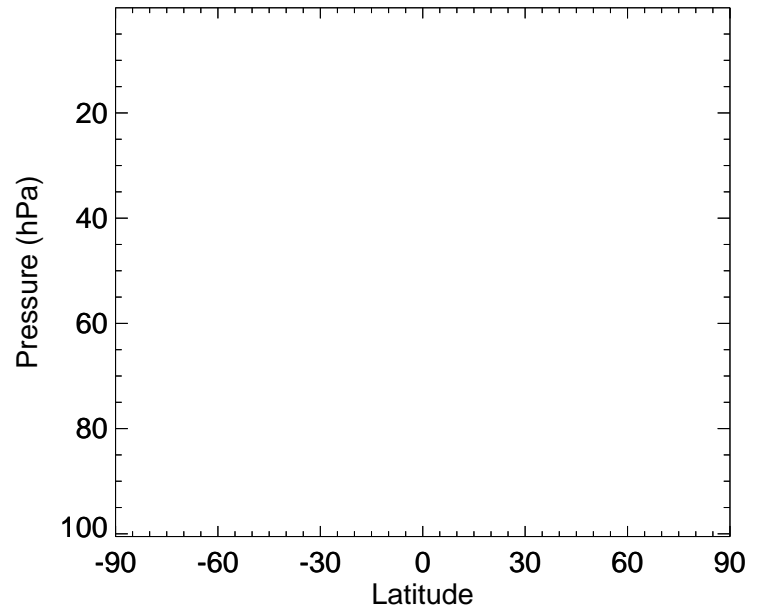
GC\_12.0.0 - v11-02f-Run1

CH3Cl - Strat zonal mean abs diff for Jul



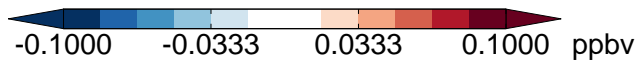
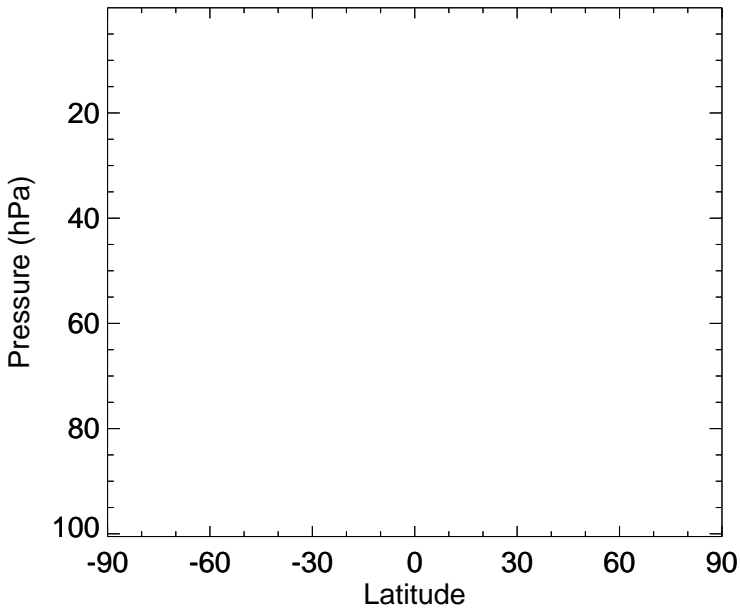
GC\_12.0.0 / v11-02f-Run1

CH3Cl - Strat zonal mean % diff for Jul



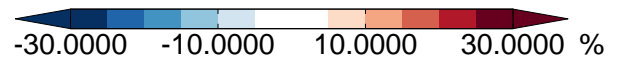
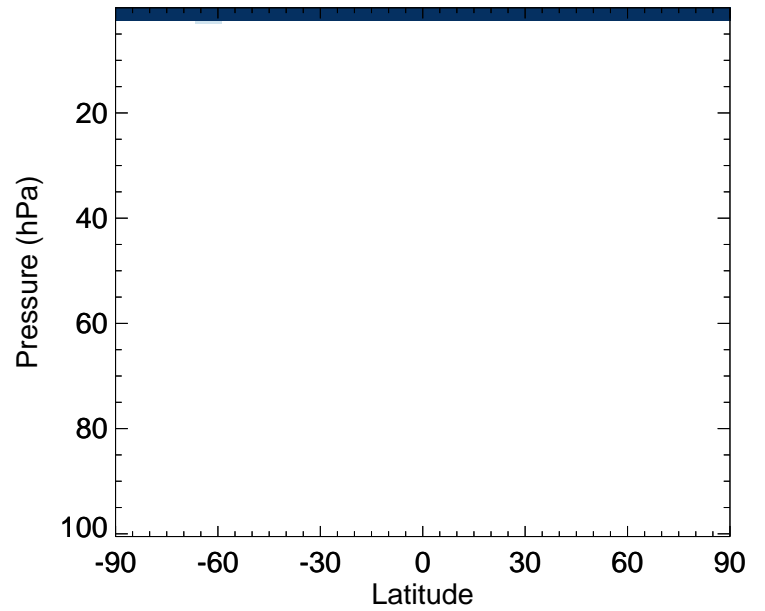
GC\_12.0.0 - v11-02e-Run1

CH3Cl - Strat zonal mean abs diff for Jul



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

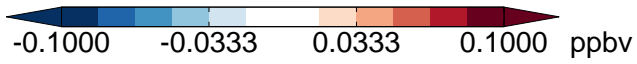
CH3Cl - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

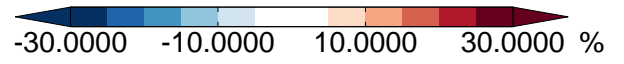
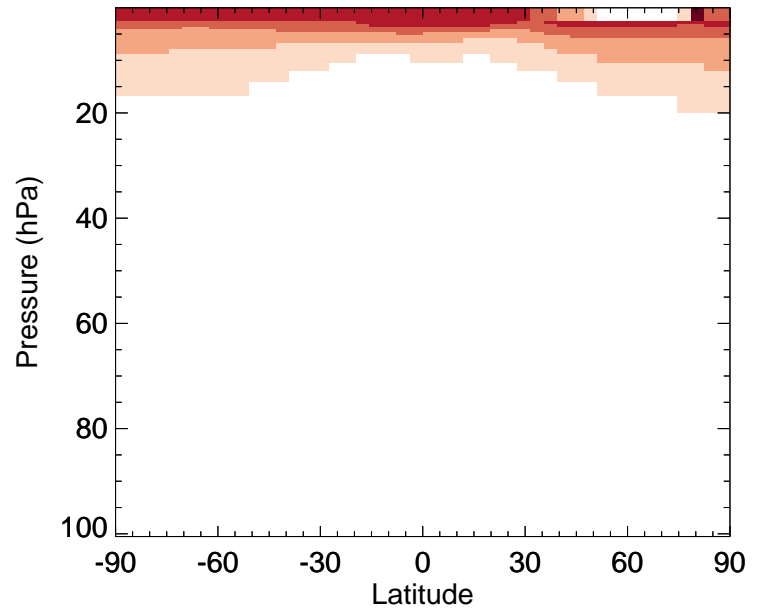
GC\_12.0.0 - v11-02f-Run1

CH3CCI3 - Strat zonal mean abs diff for Jul



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

CH3CCI3 - Strat zonal mean % diff for Jul



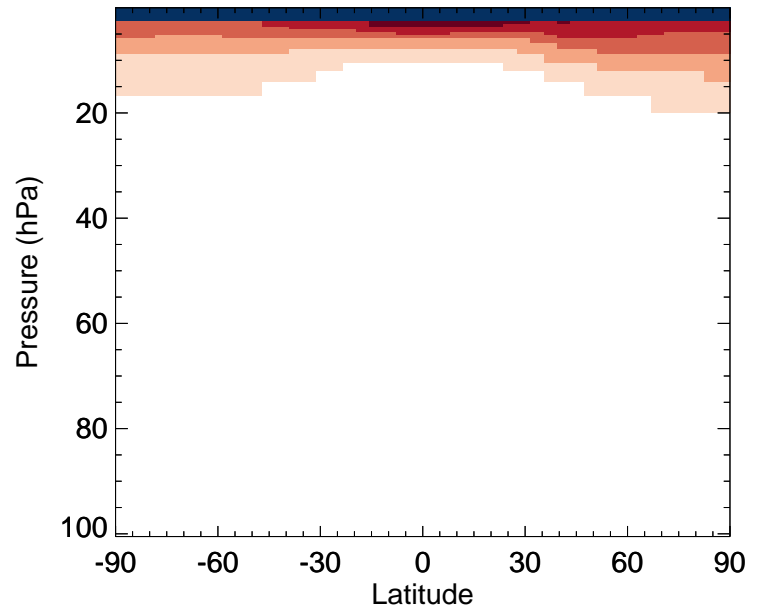
GC\_12.0.0 - v11-02e-Run1

CH3CCI3 - Strat zonal mean abs diff for Jul



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

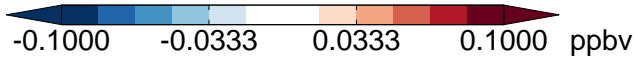
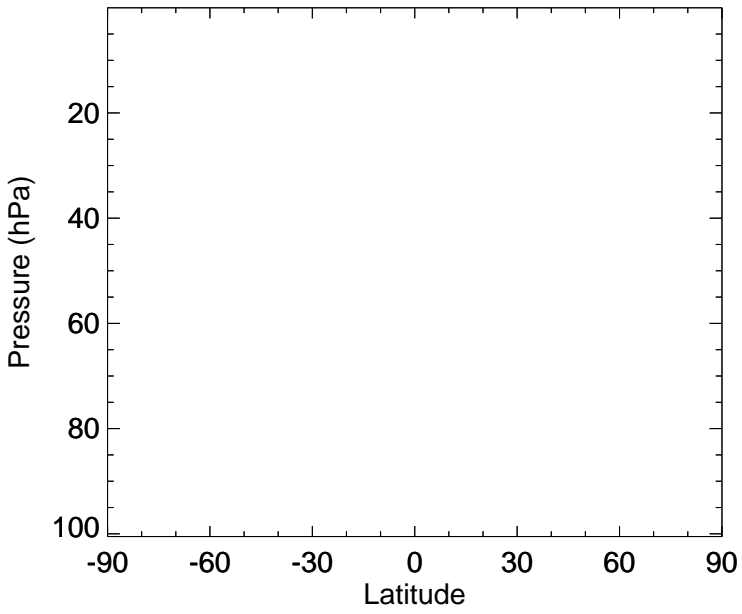
CH3CCI3 - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

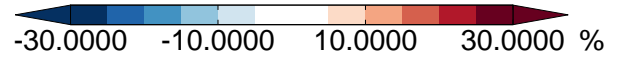
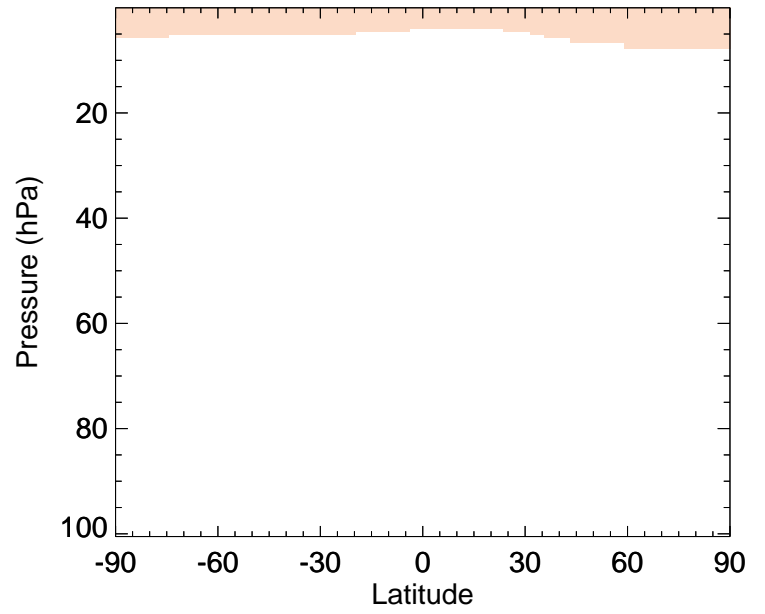
GC\_12.0.0 - v11-02f-Run1

CFC113 - Strat zonal mean abs diff for Jul



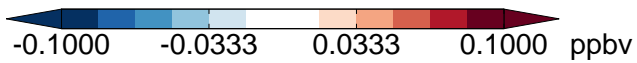
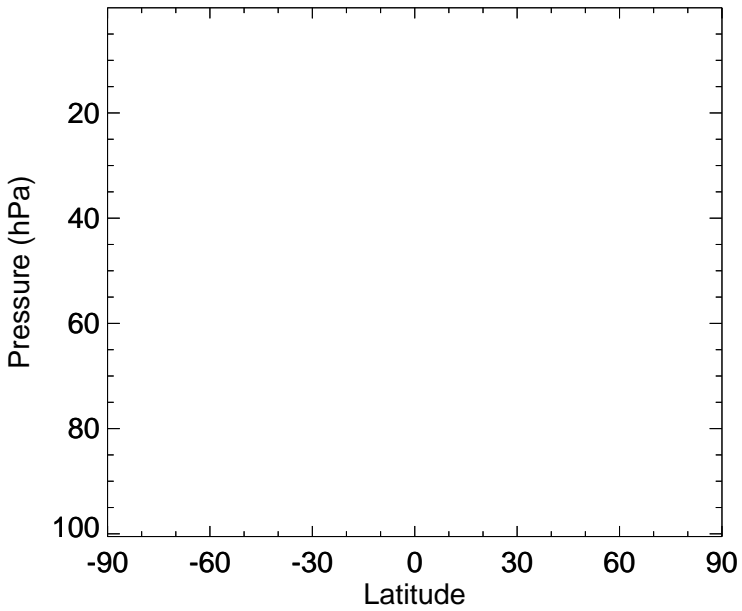
GC\_12.0.0 / v11-02f-Run1

CFC113 - Strat zonal mean % diff for Jul



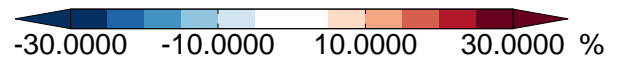
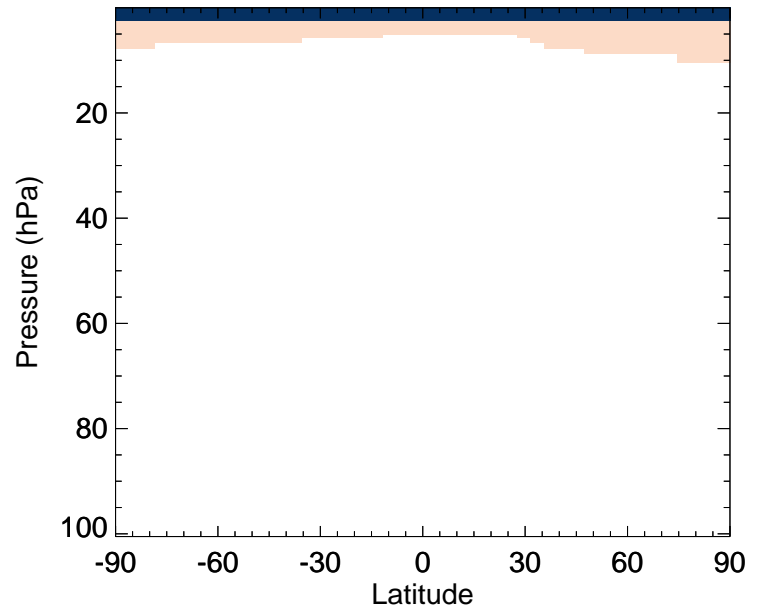
GC\_12.0.0 - v11-02e-Run1

CFC113 - Strat zonal mean abs diff for Jul



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

CFC113 - Strat zonal mean % diff for Jul

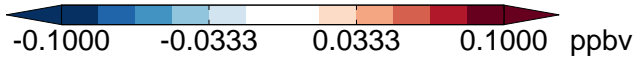
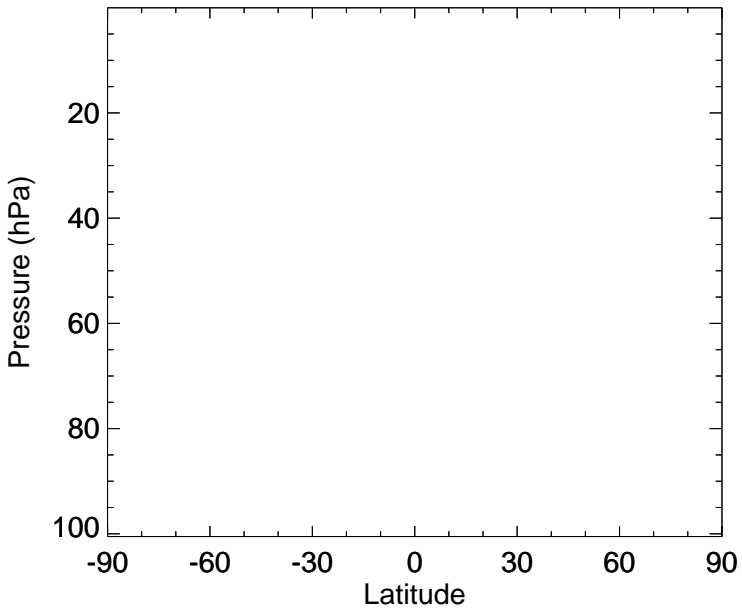




# GEOS-Chem Stratospheric Zonal Difference Maps

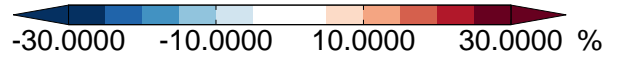
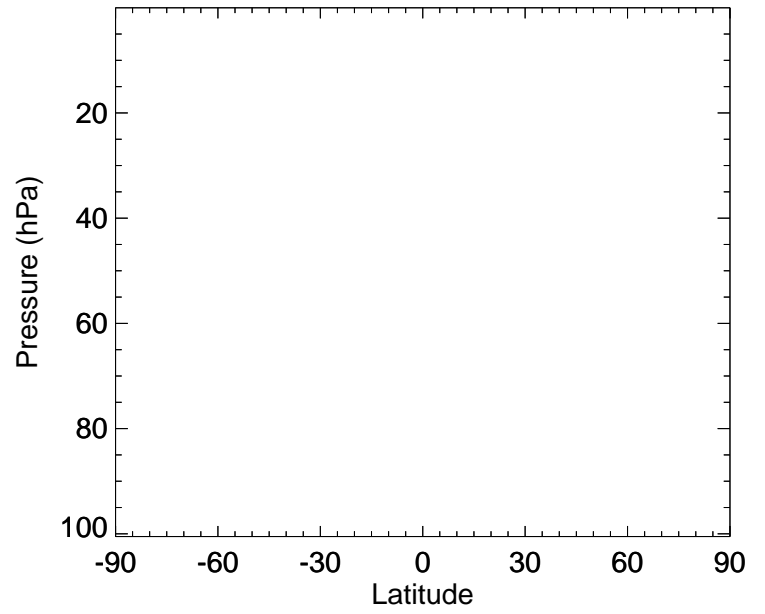
GC\_12.0.0 - v11-02f-Run1

CFC114 - Strat zonal mean abs diff for Jul



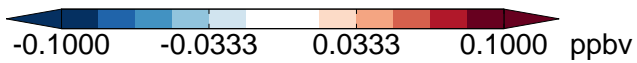
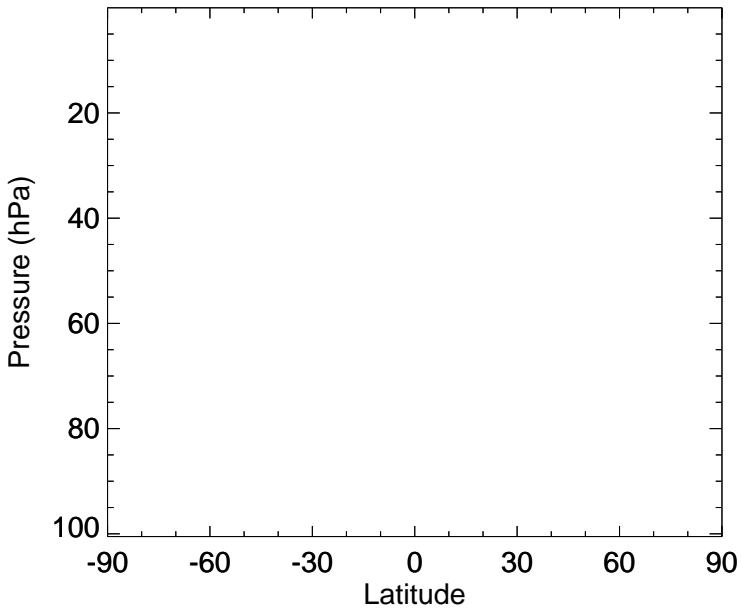
GC\_12.0.0 / v11-02f-Run1

CFC114 - Strat zonal mean % diff for Jul



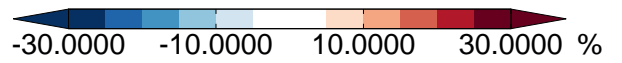
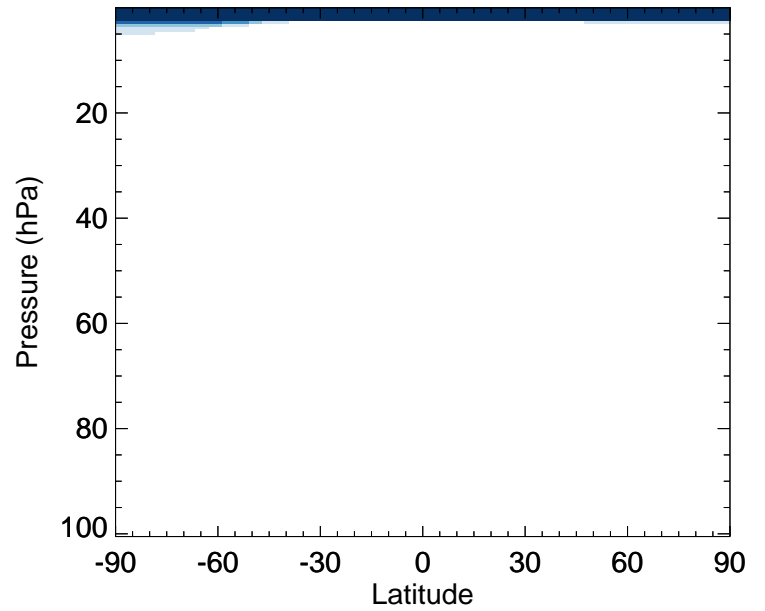
GC\_12.0.0 - v11-02e-Run1

CFC114 - Strat zonal mean abs diff for Jul



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

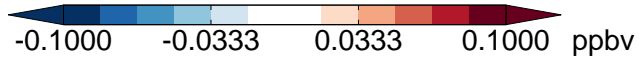
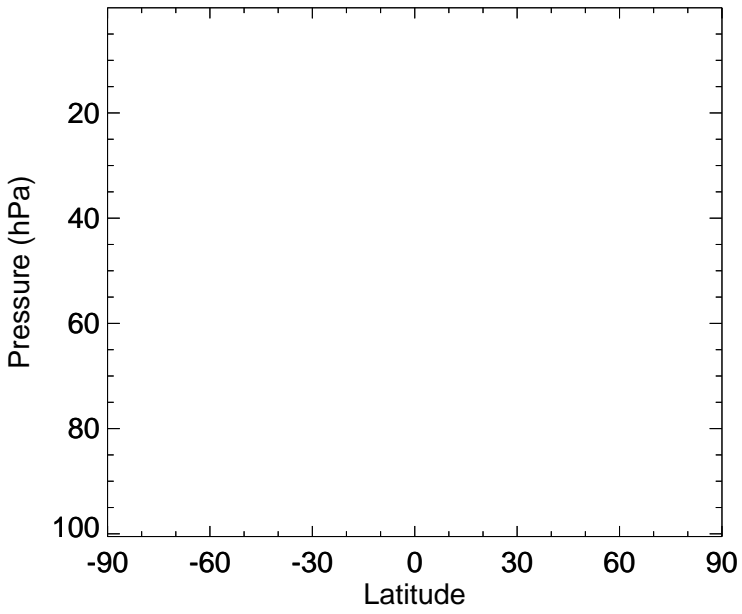
CFC114 - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

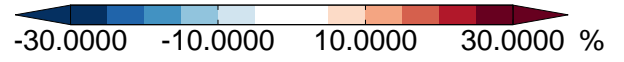
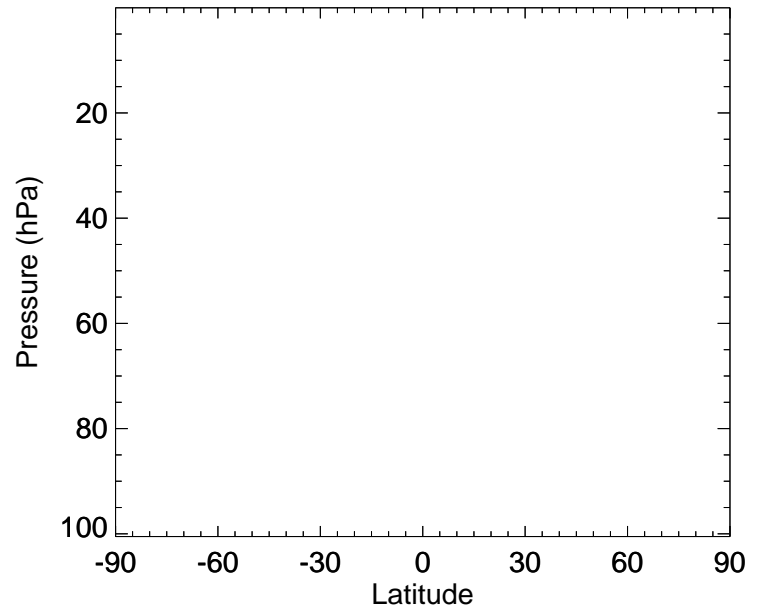
GC\_12.0.0 - v11-02f-Run1

CFC115 - Strat zonal mean abs diff for Jul



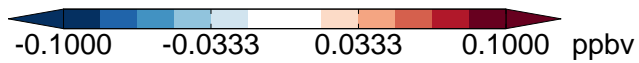
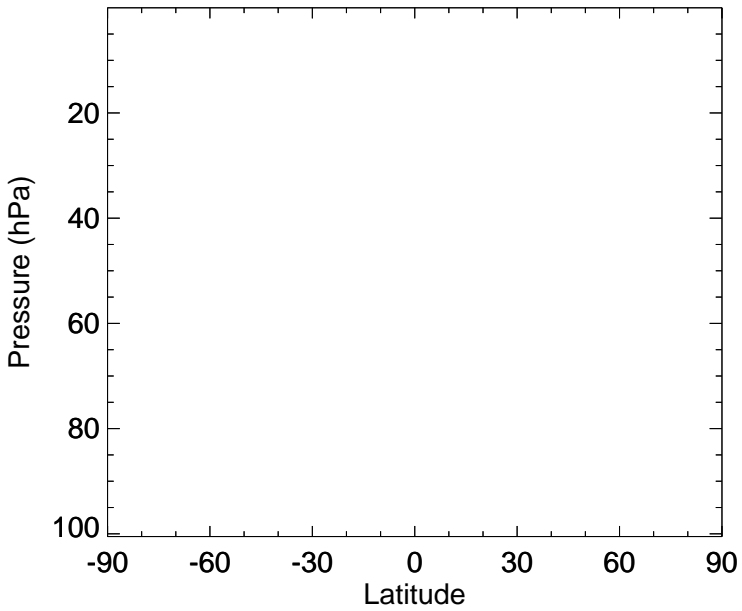
GC\_12.0.0 / v11-02f-Run1

CFC115 - Strat zonal mean % diff for Jul



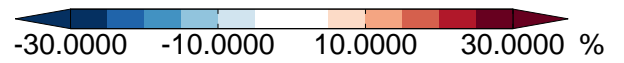
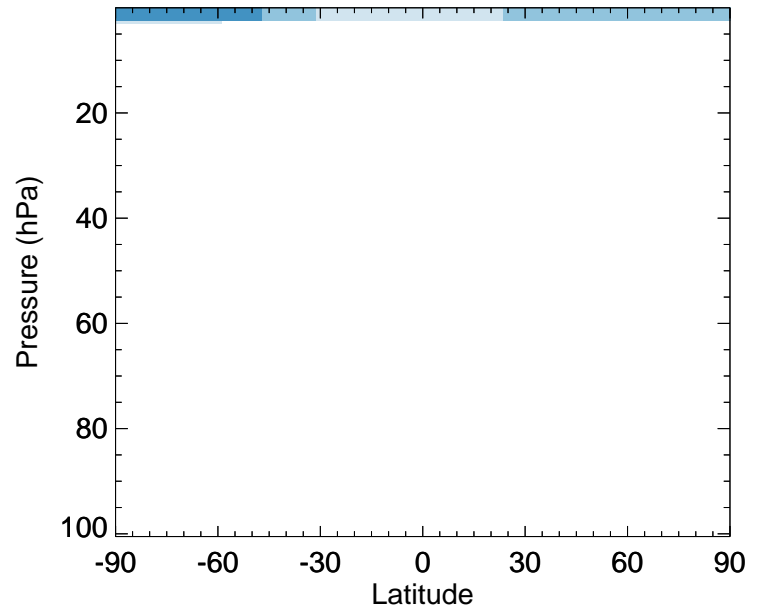
GC\_12.0.0 - v11-02e-Run1

CFC115 - Strat zonal mean abs diff for Jul



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

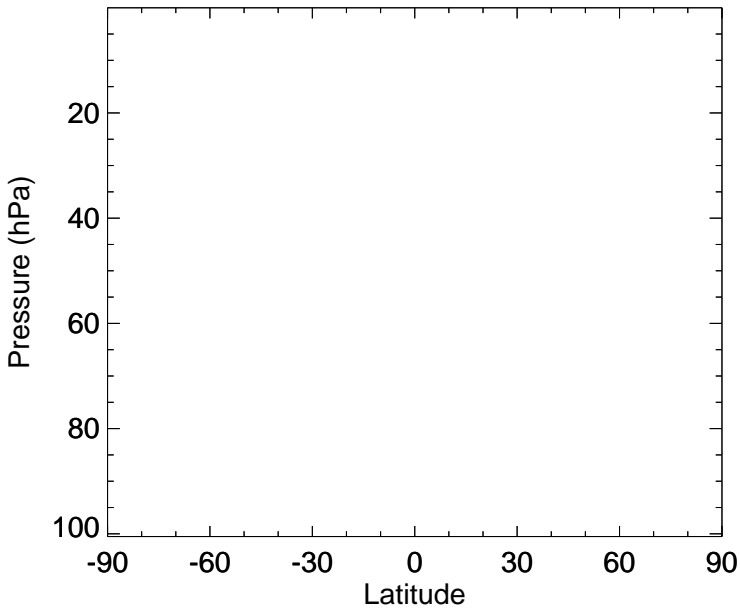
CFC115 - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

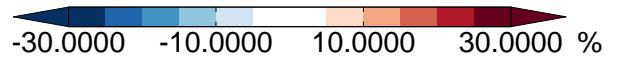
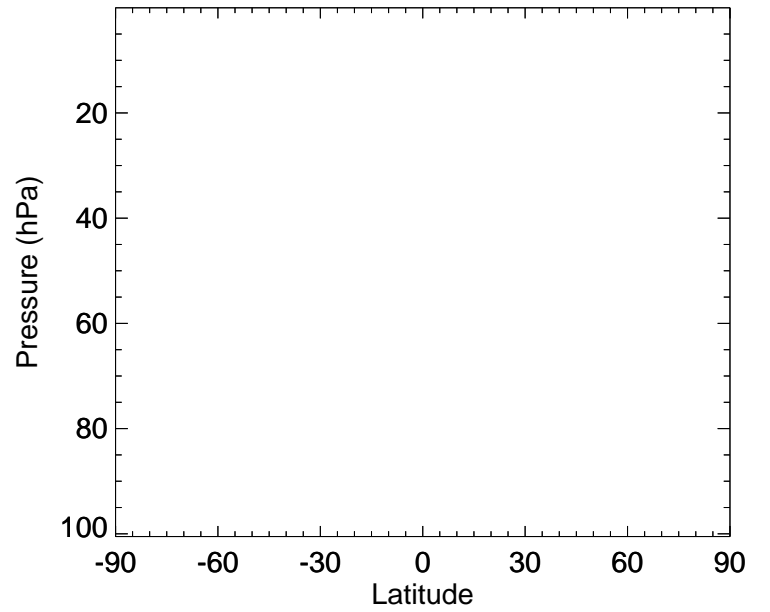
GC\_12.0.0 - v11-02f-Run1

HCFC123 - Strat zonal mean abs diff for Jul



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

HCFC123 - Strat zonal mean % diff for Jul



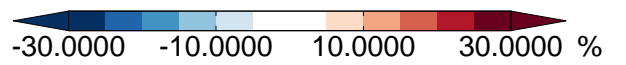
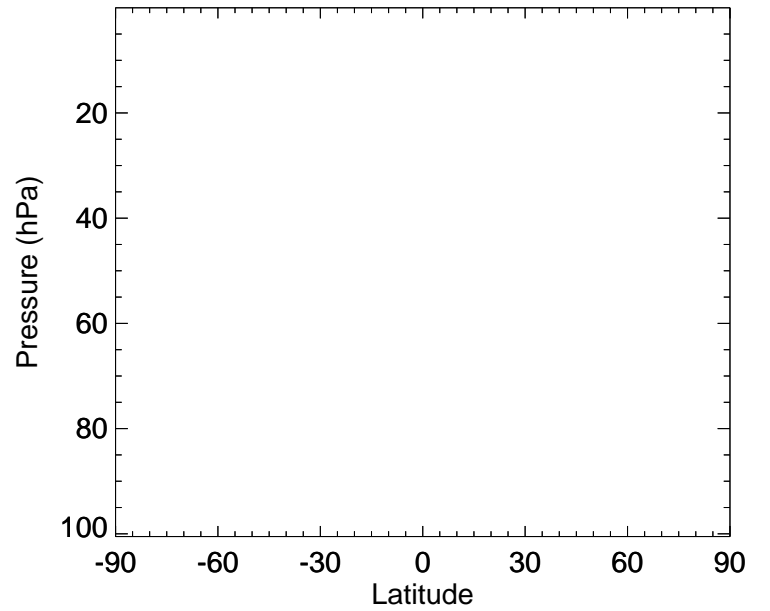
GC\_12.0.0 - v11-02e-Run1

HCFC123 - Strat zonal mean abs diff for Jul



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

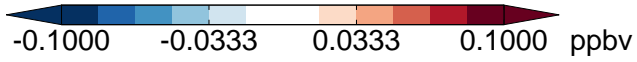
HCFC123 - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

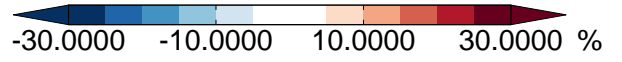
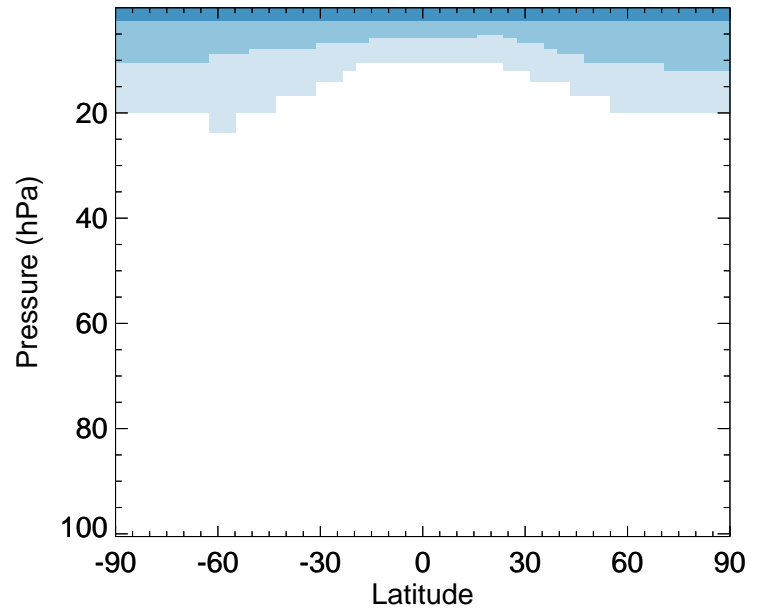
GC\_12.0.0 - v11-02f-Run1

HCFC141b - Strat zonal mean abs diff for Jul



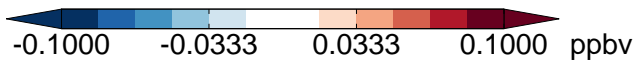
GC\_12.0.0 / v11-02f-Run1

HCFC141b - Strat zonal mean % diff for Jul



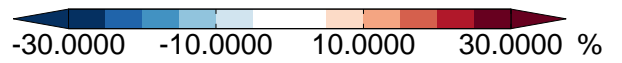
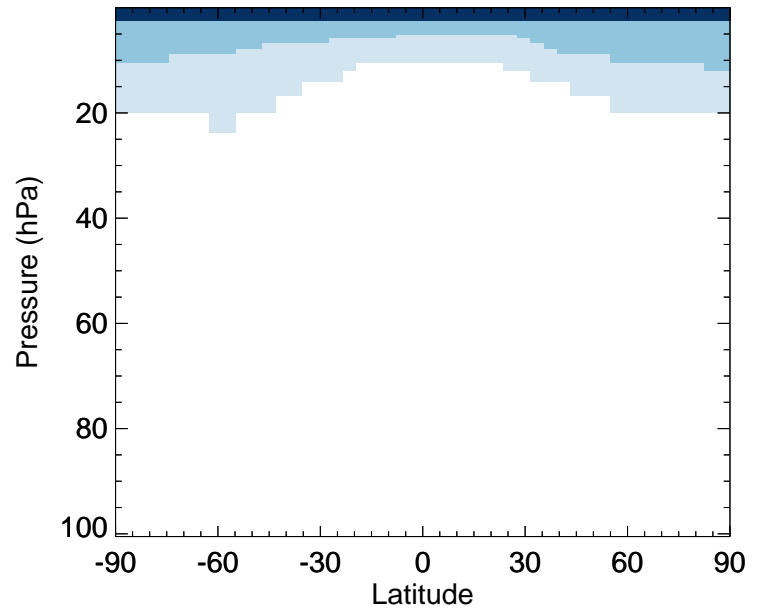
GC\_12.0.0 - v11-02e-Run1

HCFC141b - Strat zonal mean abs diff for Jul



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

HCFC141b - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

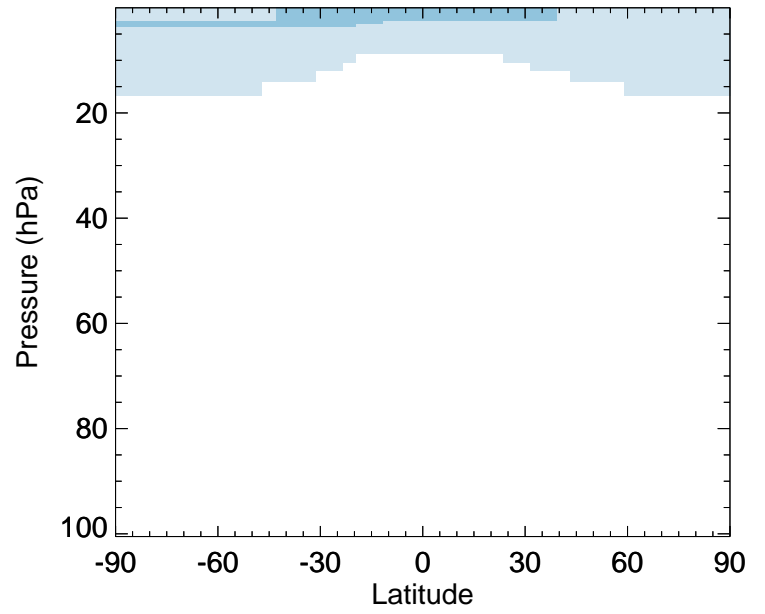
GC\_12.0.0 - v11-02f-Run1

HCFC142b - Strat zonal mean abs diff for Jul



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

HCFC142b - Strat zonal mean % diff for Jul



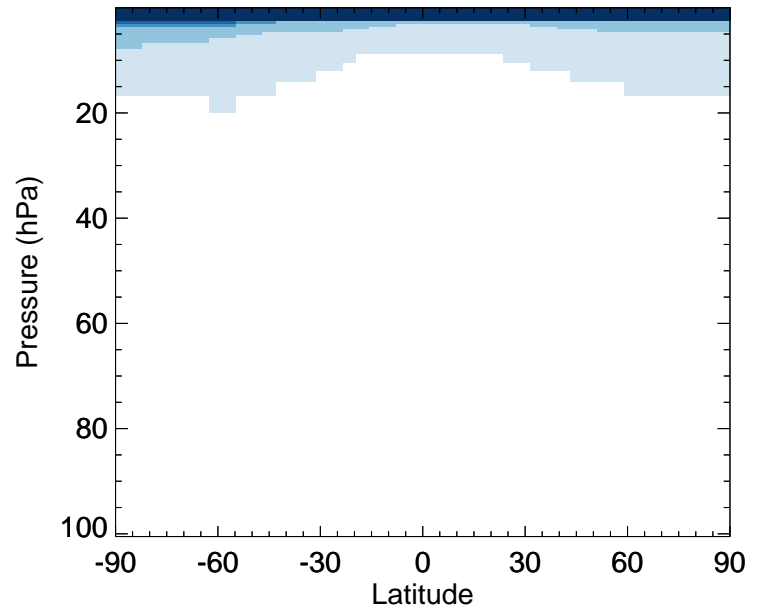
GC\_12.0.0 - v11-02e-Run1

HCFC142b - Strat zonal mean abs diff for Jul



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

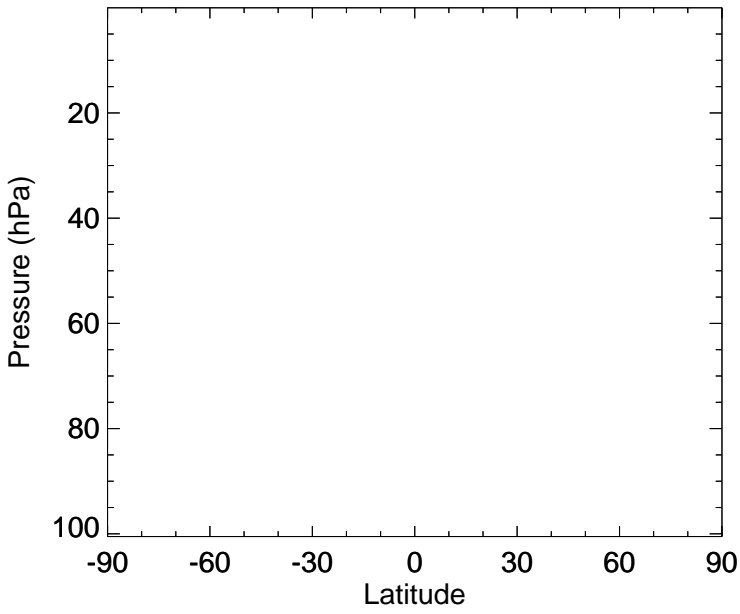
HCFC142b - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

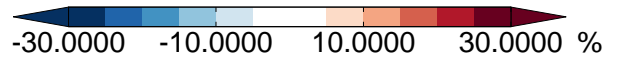
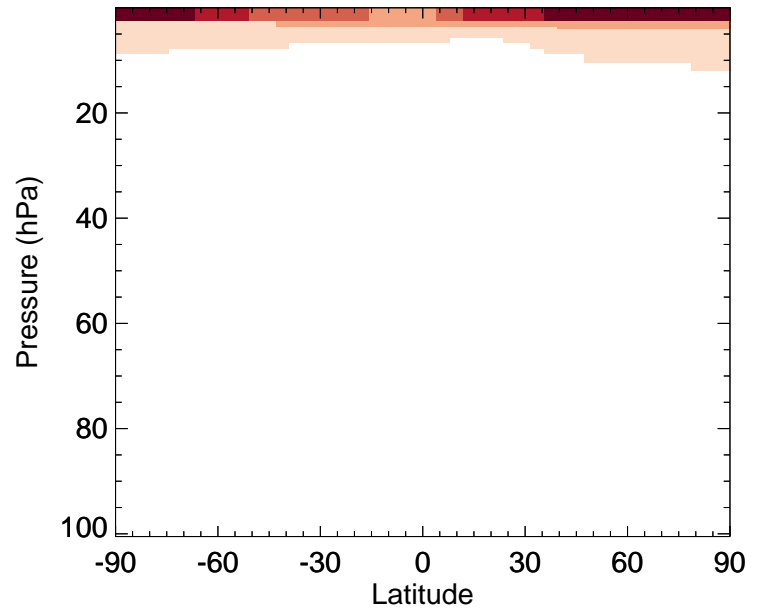
GC\_12.0.0 - v11-02f-Run1

CFC11 - Strat zonal mean abs diff for Jul



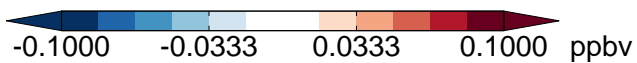
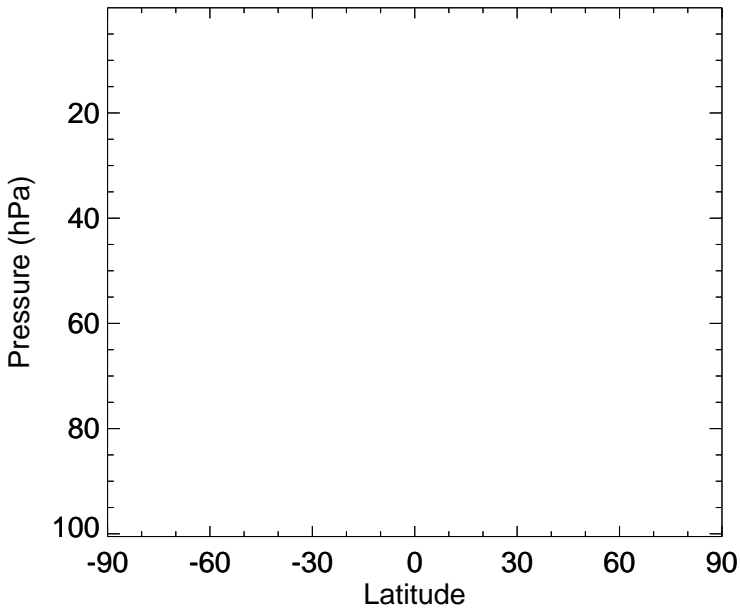
GC\_12.0.0 / v11-02f-Run1

CFC11 - Strat zonal mean % diff for Jul



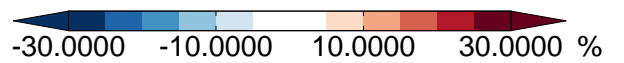
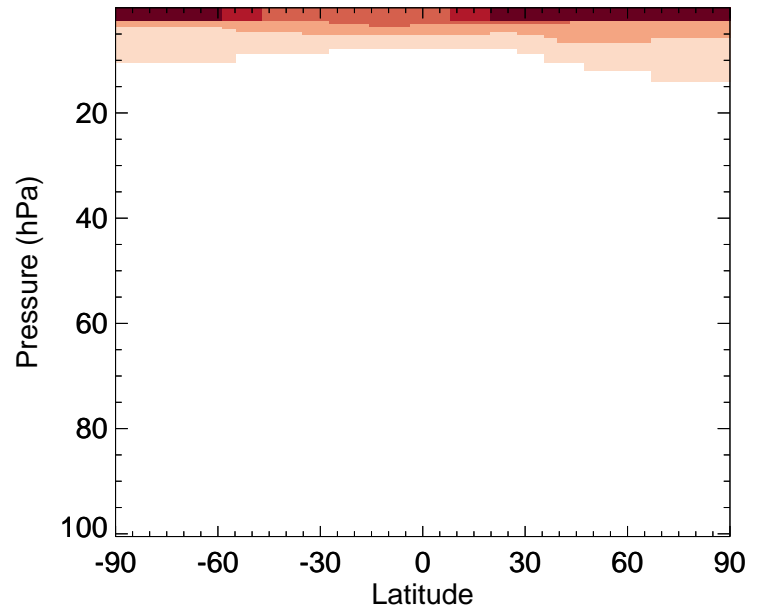
GC\_12.0.0 - v11-02e-Run1

CFC11 - Strat zonal mean abs diff for Jul



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

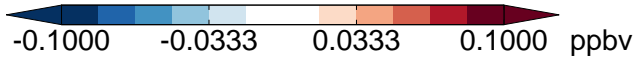
CFC11 - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

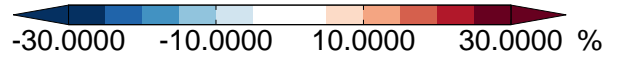
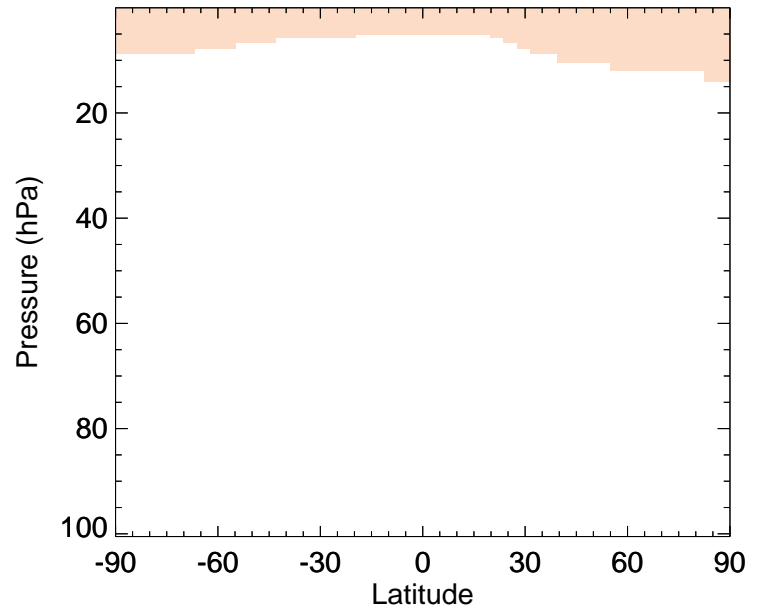
GC\_12.0.0 - v11-02f-Run1

CFC12 - Strat zonal mean abs diff for Jul



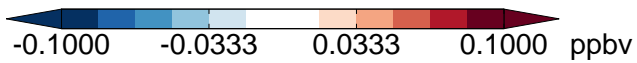
GC\_12.0.0 / v11-02f-Run1

CFC12 - Strat zonal mean % diff for Jul



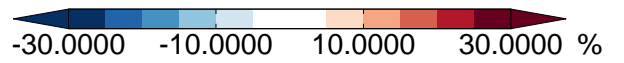
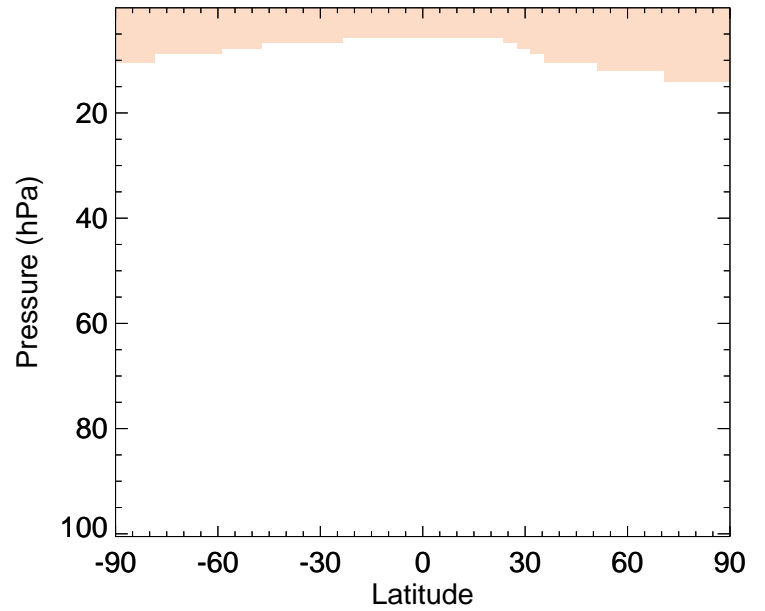
GC\_12.0.0 - v11-02e-Run1

CFC12 - Strat zonal mean abs diff for Jul



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

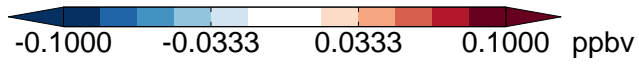
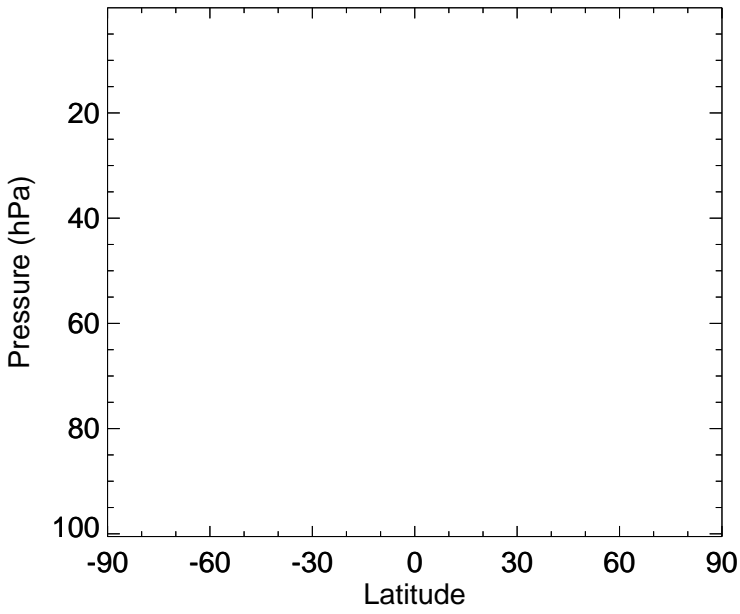
CFC12 - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

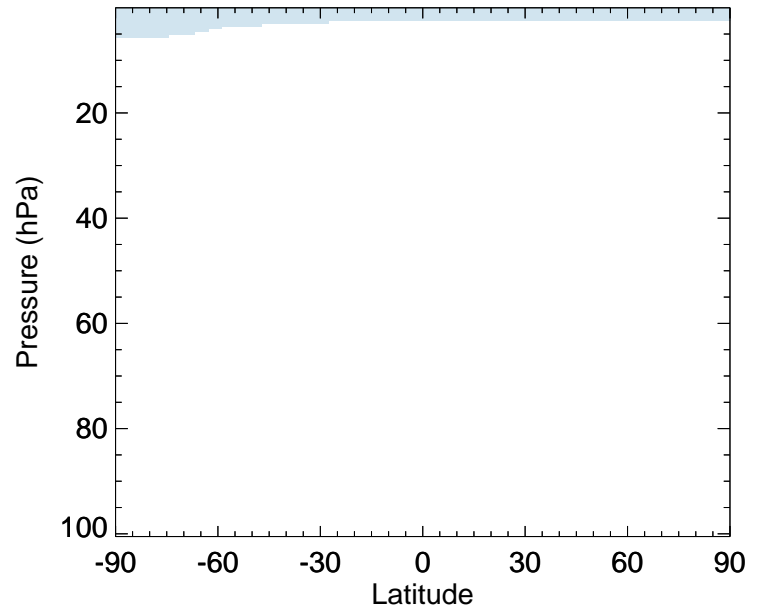
GC\_12.0.0 - v11-02f-Run1

HCFC22 - Strat zonal mean abs diff for Jul



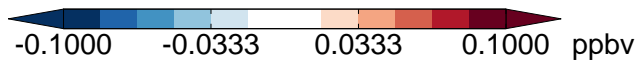
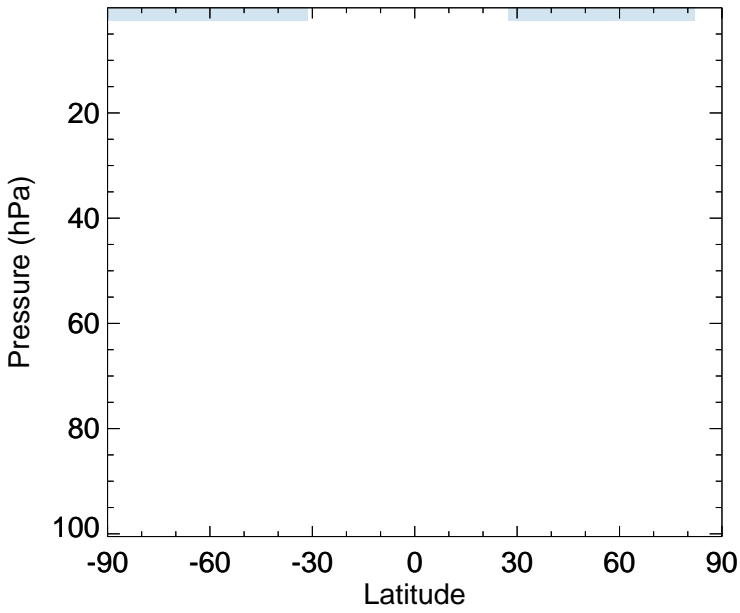
GC\_12.0.0 / v11-02f-Run1

HCFC22 - Strat zonal mean % diff for Jul



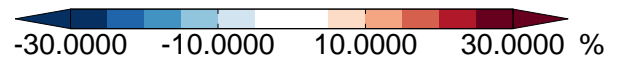
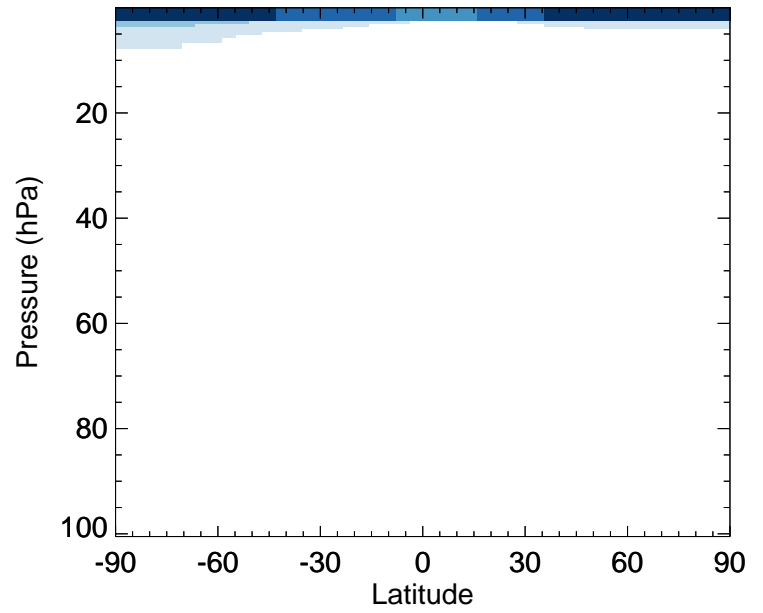
GC\_12.0.0 - v11-02e-Run1

HCFC22 - Strat zonal mean abs diff for Jul



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

HCFC22 - Strat zonal mean % diff for Jul

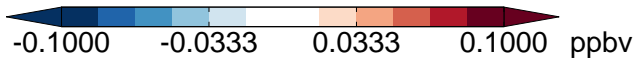




GEOS-Chem Stratospheric Zonal Difference Maps

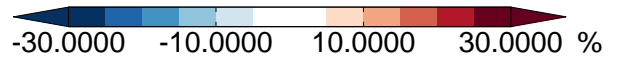
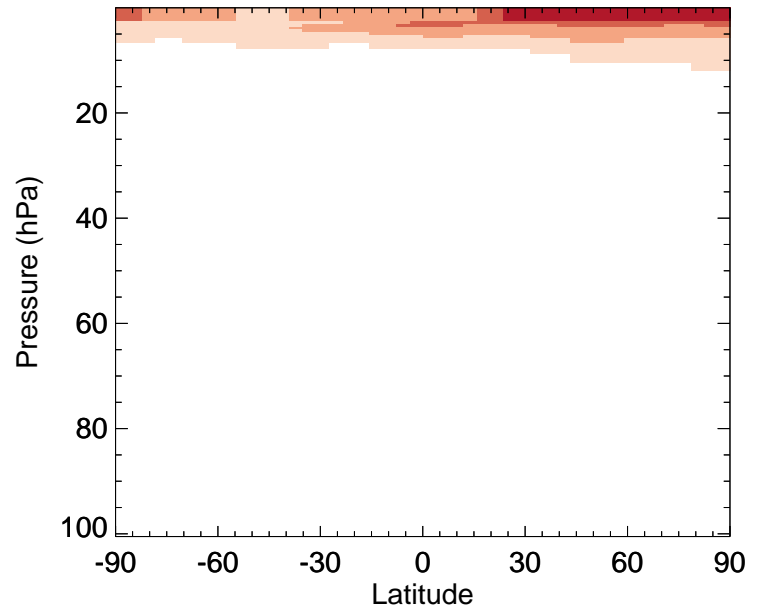
GC\_12.0.0 - v11-02f-Run1

H1211 - Strat zonal mean abs diff for Jul



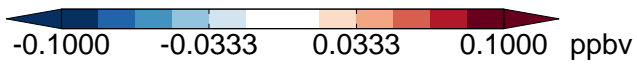
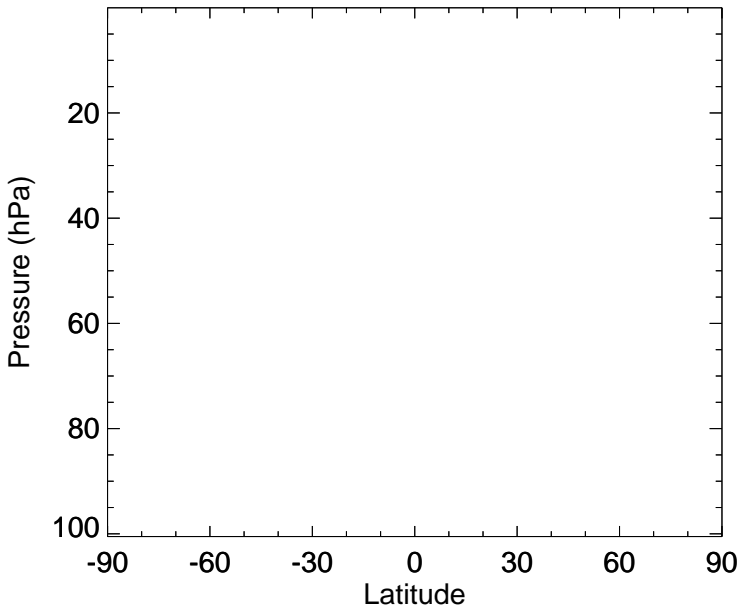
GC\_12.0.0 / v11-02f-Run1

H1211 - Strat zonal mean % diff for Jul



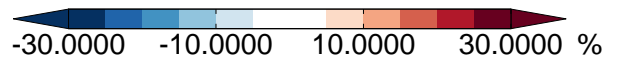
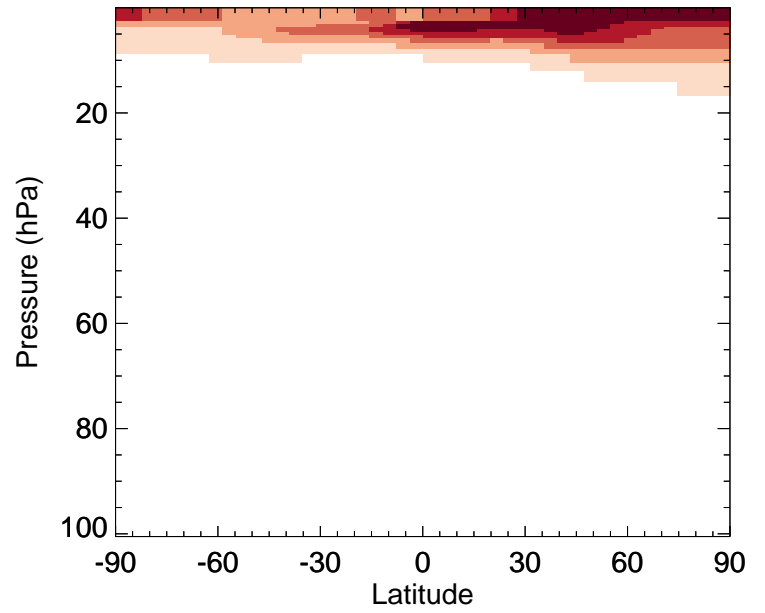
GC\_12.0.0 - v11-02e-Run1

H1211 - Strat zonal mean abs diff for Jul



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

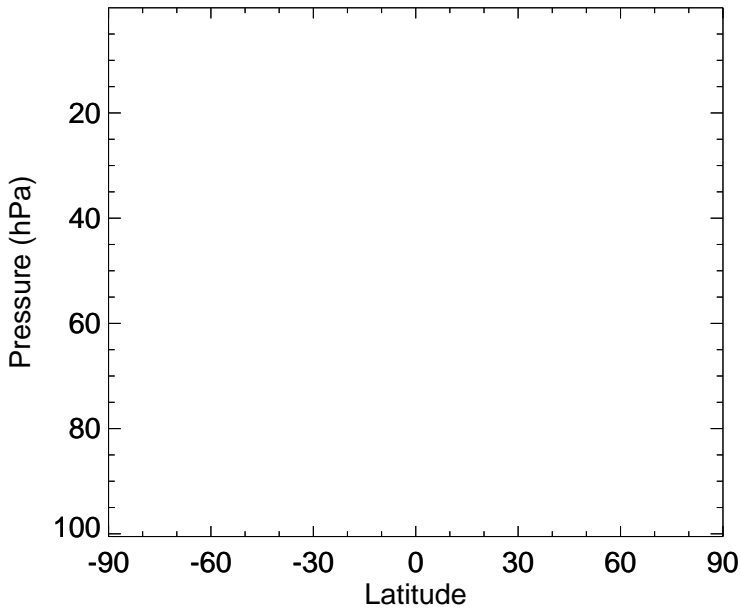
H1211 - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

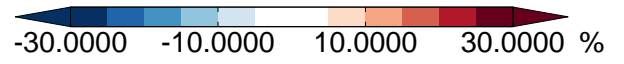
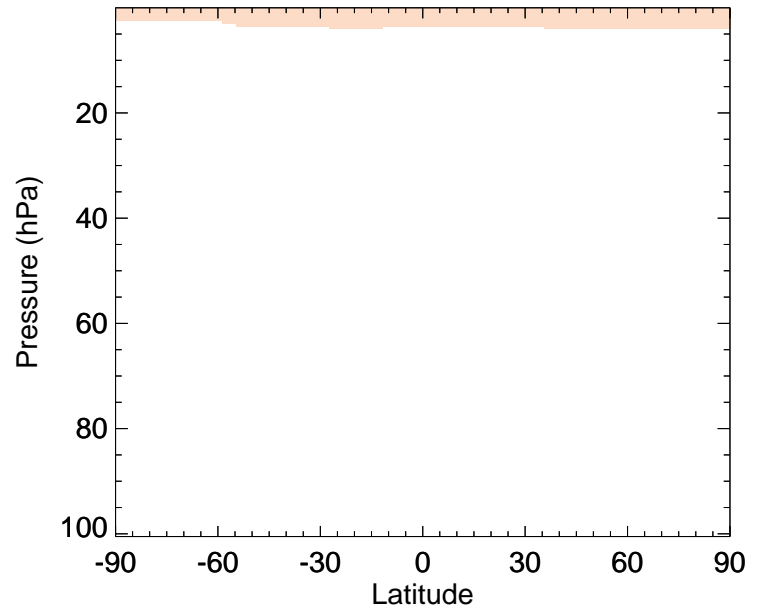
GC\_12.0.0 - v11-02f-Run1

H1301 - Strat zonal mean abs diff for Jul



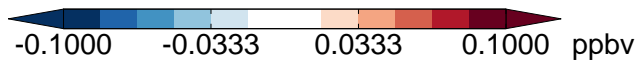
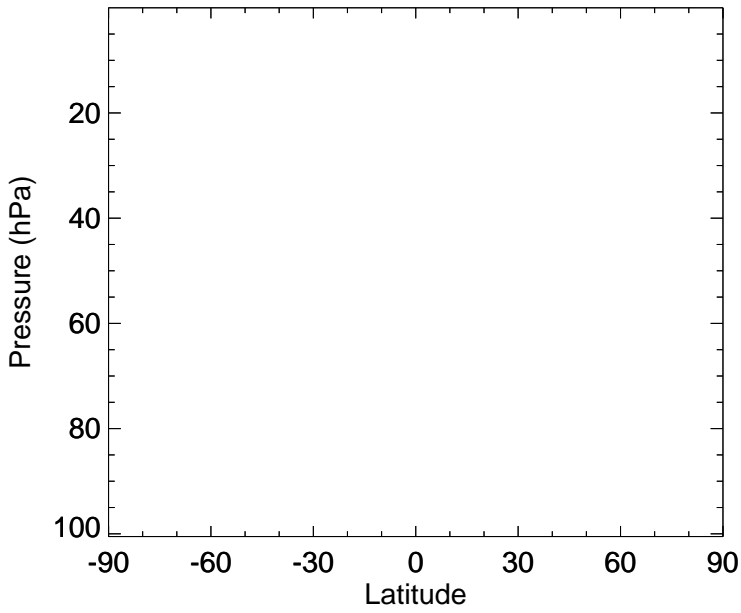
GC\_12.0.0 / v11-02f-Run1

H1301 - Strat zonal mean % diff for Jul



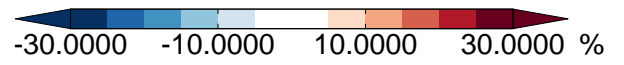
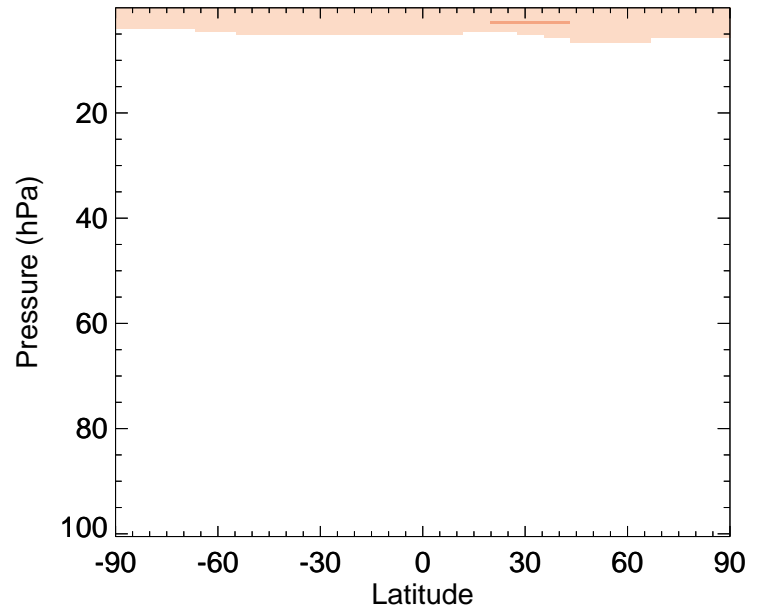
GC\_12.0.0 - v11-02e-Run1

H1301 - Strat zonal mean abs diff for Jul



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

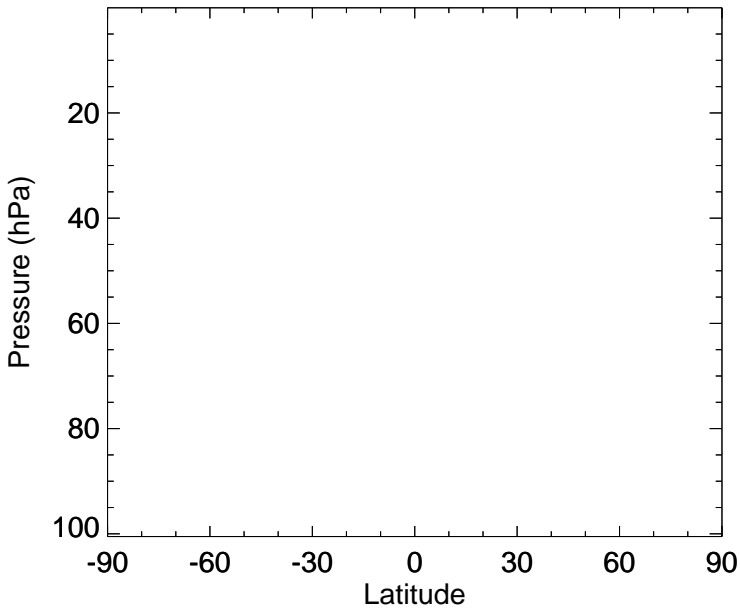
H1301 - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

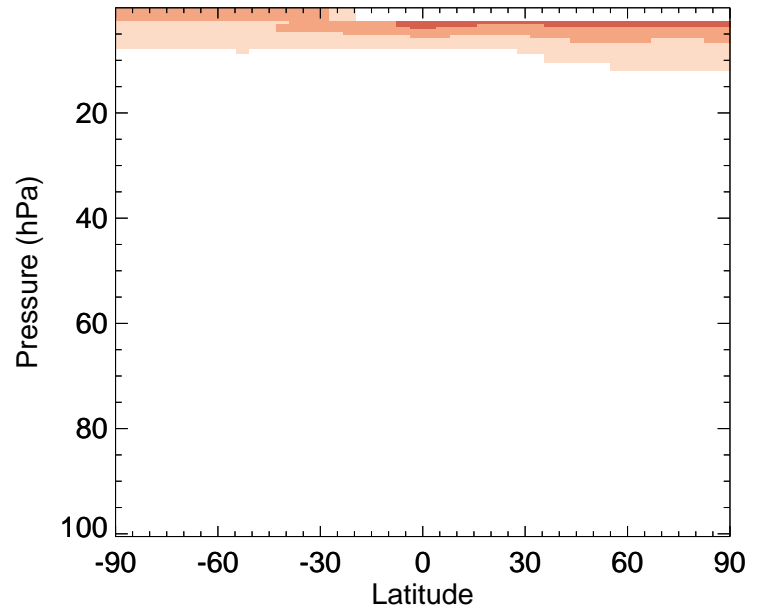
GC\_12.0.0 - v11-02f-Run1

H2402 - Strat zonal mean abs diff for Jul



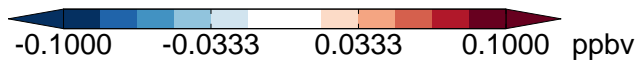
GC\_12.0.0 / v11-02f-Run1

H2402 - Strat zonal mean % diff for Jul



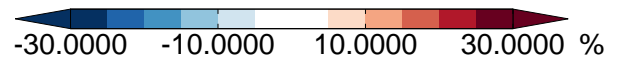
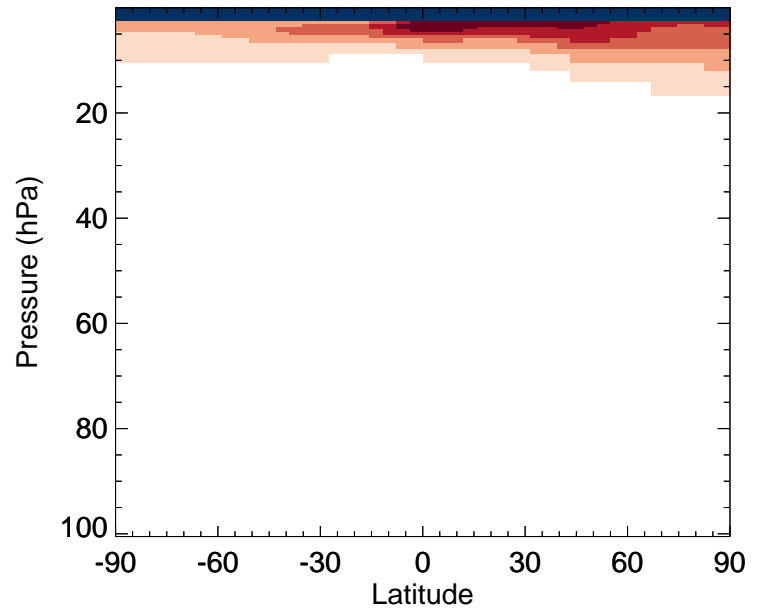
GC\_12.0.0 - v11-02e-Run1

H2402 - Strat zonal mean abs diff for Jul



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

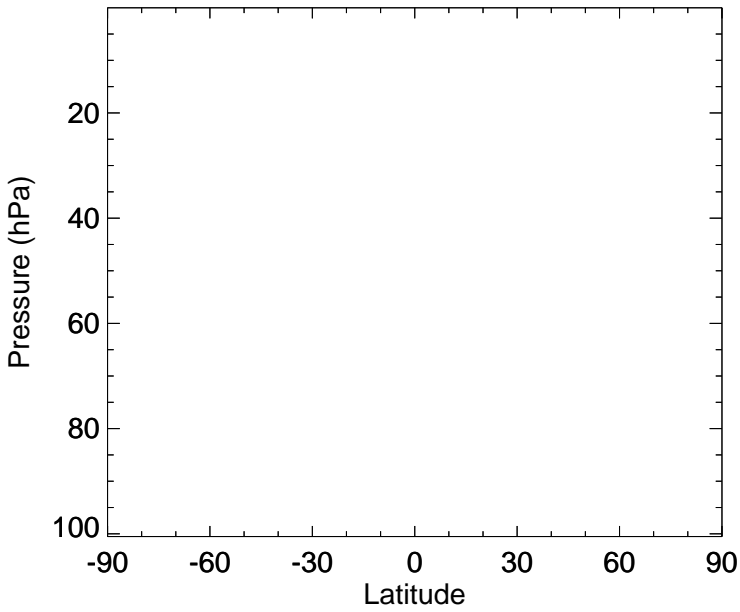
H2402 - Strat zonal mean % diff for Jul



# GEOS-Chem Stratospheric Zonal Difference Maps

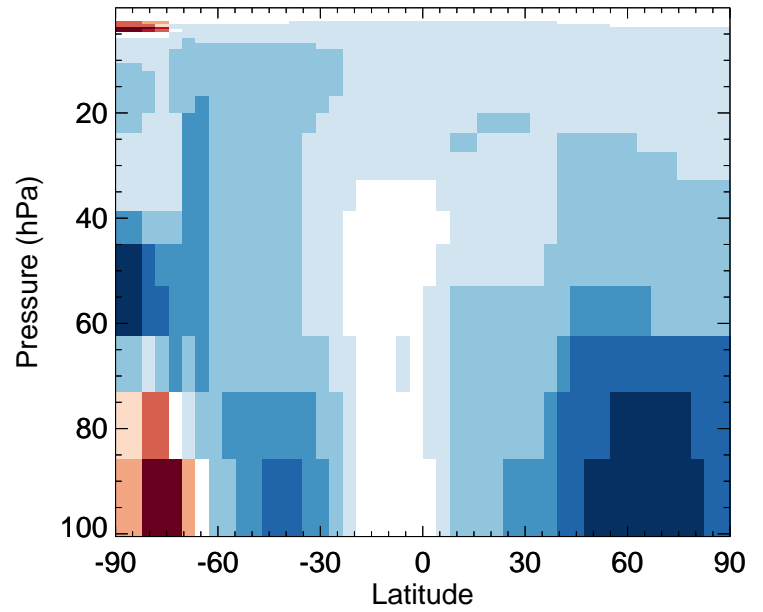
GC\_12.0.0 - v11-02f-Run1

CI - Strat zonal mean abs diff for Jul



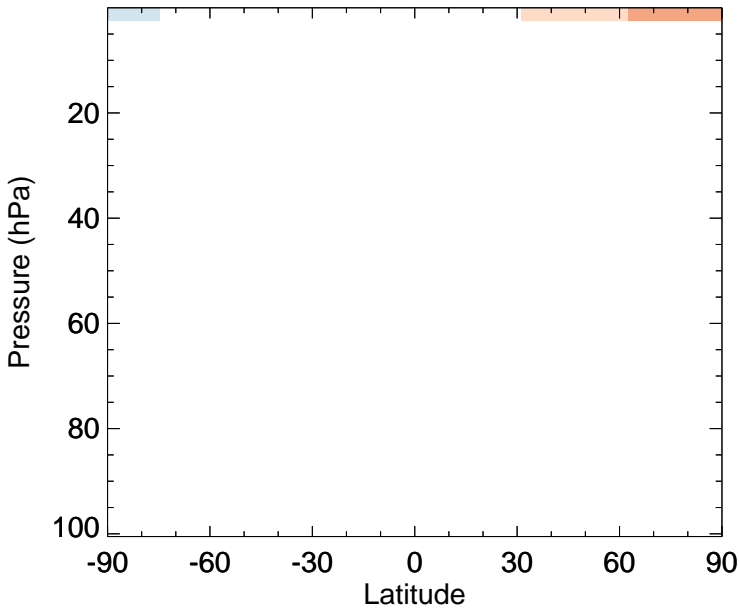
GC\_12.0.0 / v11-02f-Run1

CI - Strat zonal mean % diff for Jul



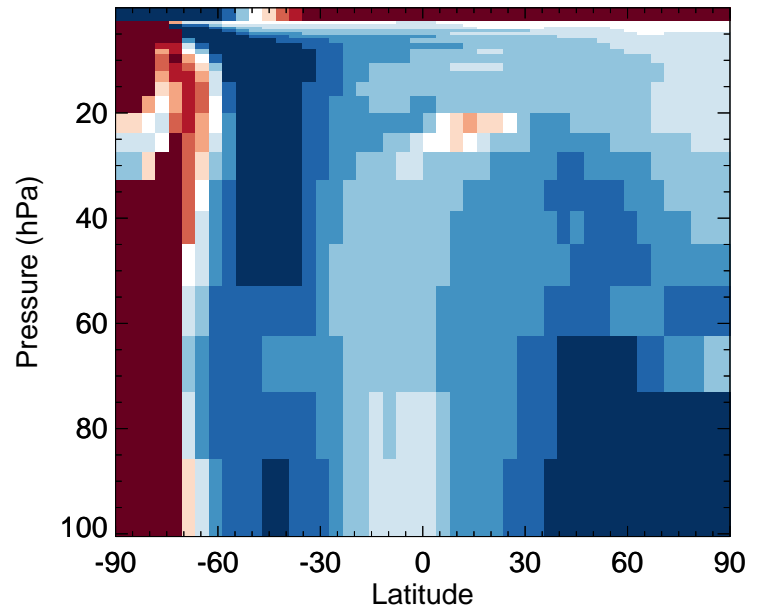
GC\_12.0.0 - v11-02e-Run1

CI - Strat zonal mean abs diff for Jul



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

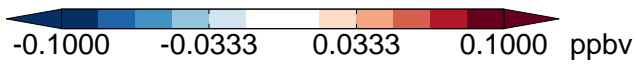
CI - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

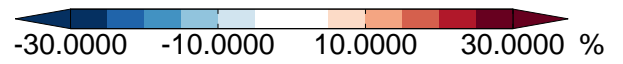
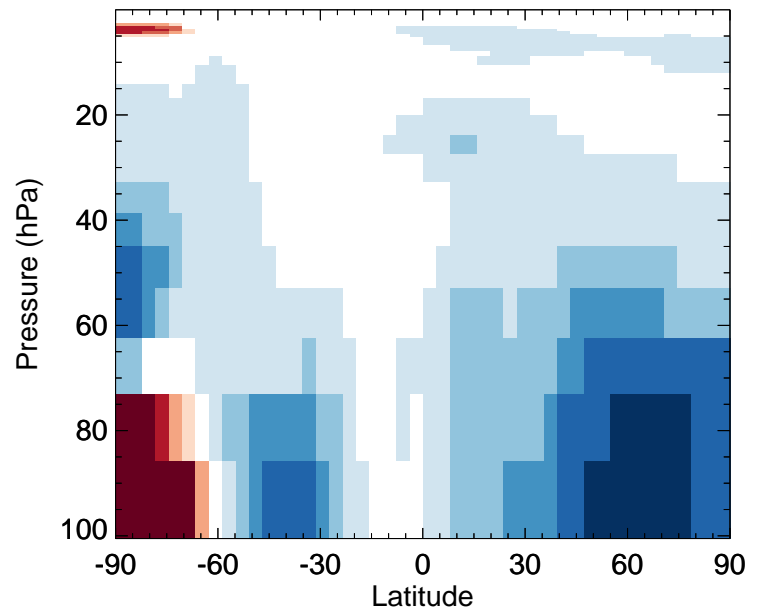
GC\_12.0.0 - v11-02f-Run1

CIO - Strat zonal mean abs diff for Jul



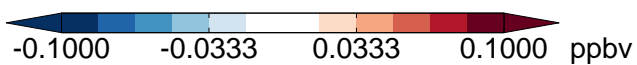
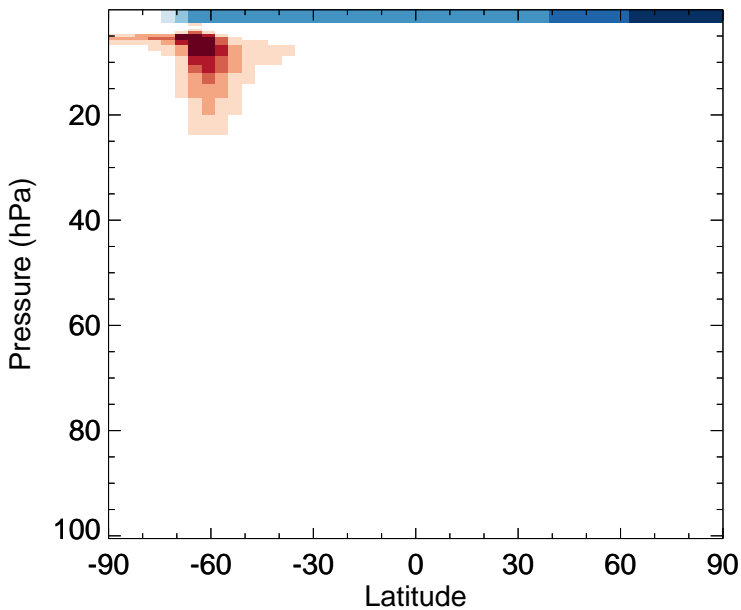
GC\_12.0.0 / v11-02f-Run1

CIO - Strat zonal mean % diff for Jul



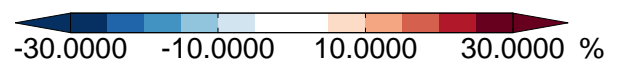
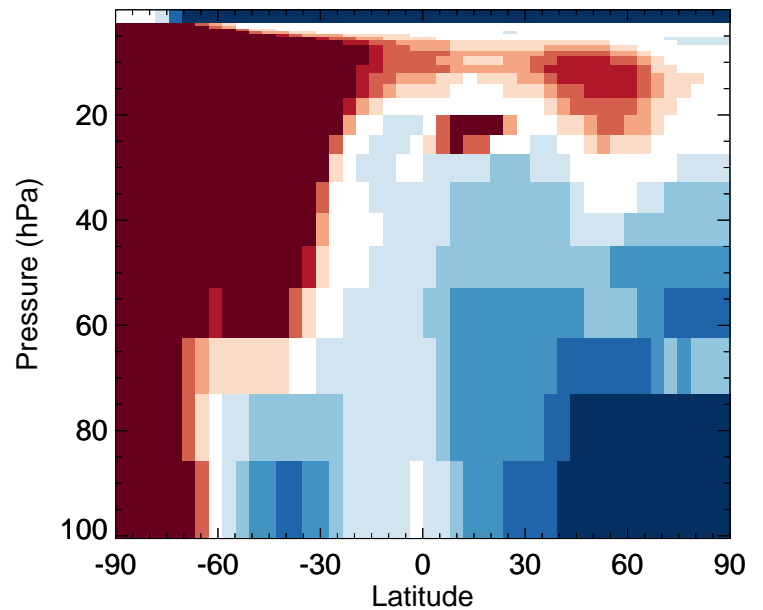
GC\_12.0.0 - v11-02e-Run1

CIO - Strat zonal mean abs diff for Jul



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

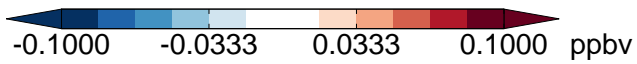
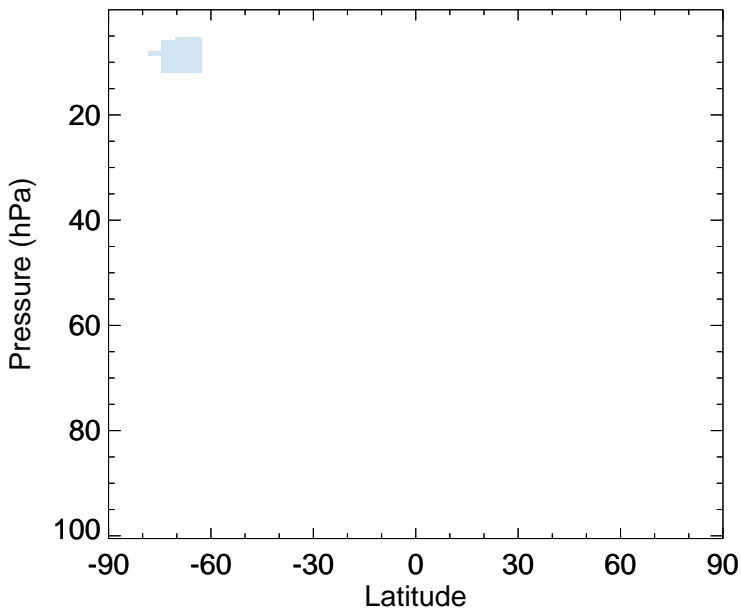
CIO - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

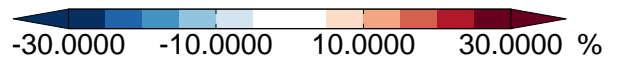
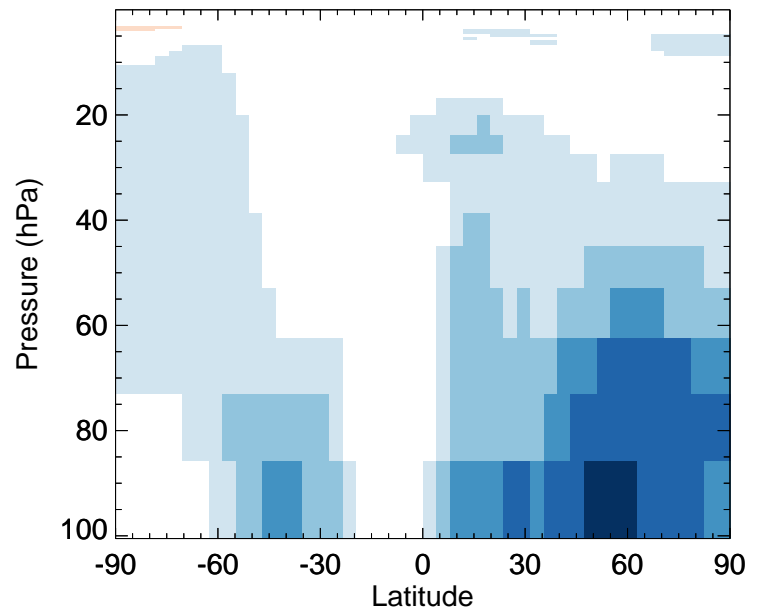
GC\_12.0.0 - v11-02f-Run1

HOCl - Strat zonal mean abs diff for Jul



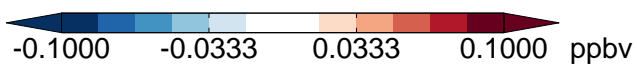
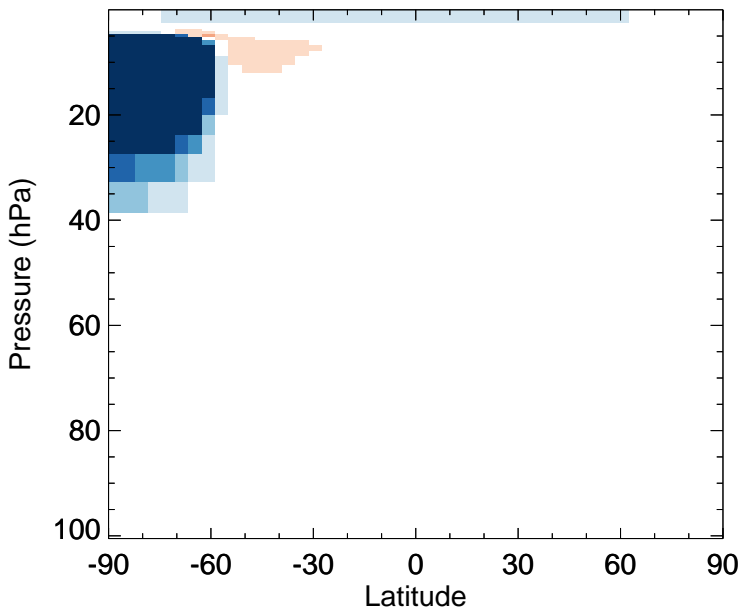
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HOCl - Strat zonal mean % diff for Jul



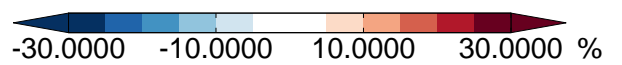
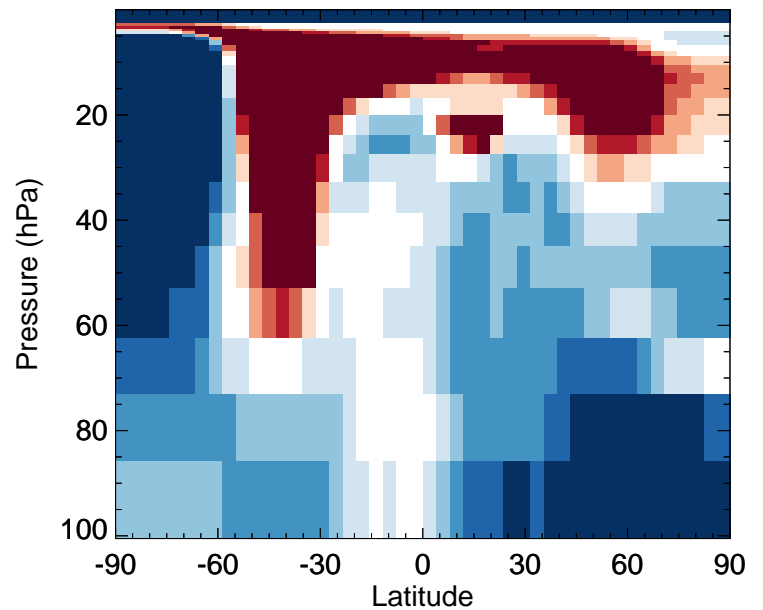
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HOCl - Strat zonal mean abs diff for Jul



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

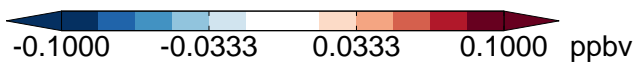
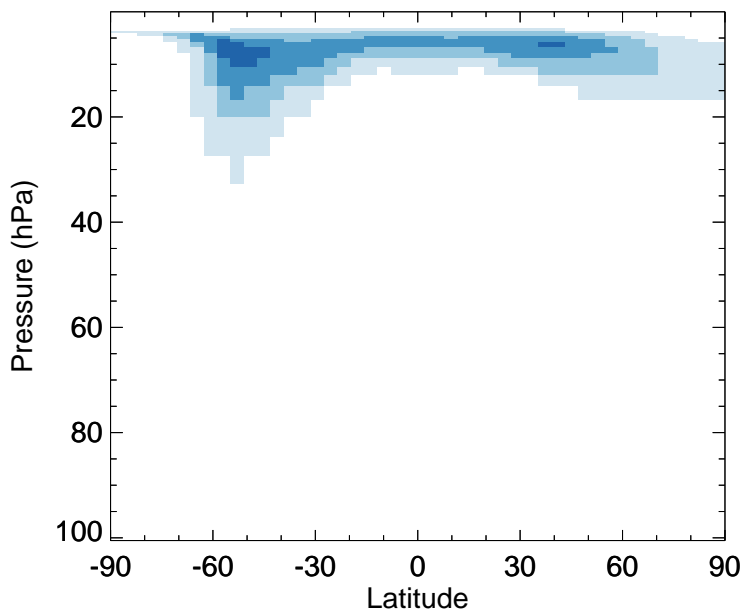
HOCl - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

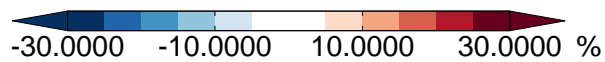
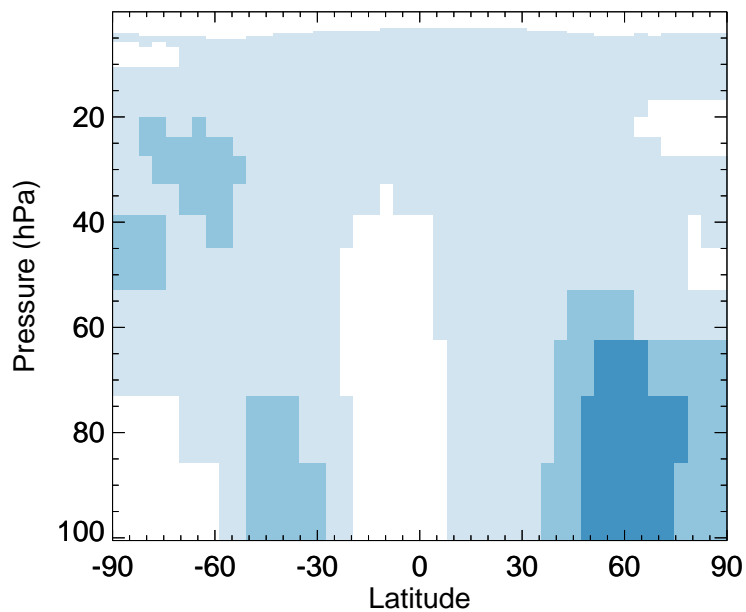
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CINO3 - Strat zonal mean abs diff for Jul



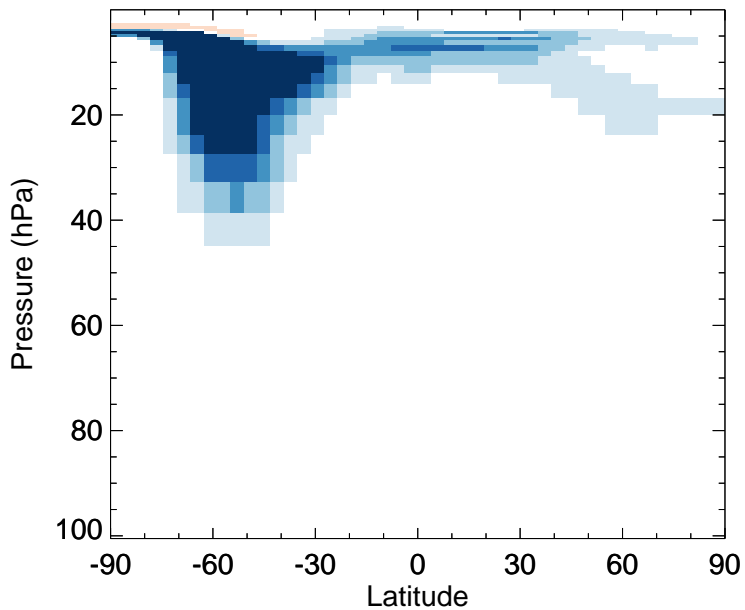
GC\_12.0.0 / v11-02f-Run1

CINO3 - Strat zonal mean % diff for Jul



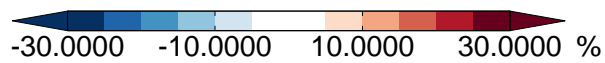
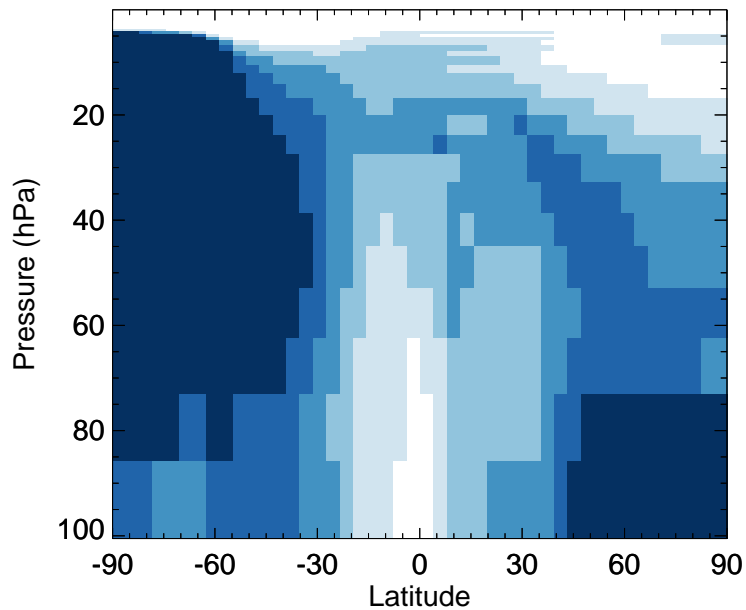
GC\_12.0.0 - v11-02e-Run1

CINO3 - Strat zonal mean abs diff for Jul



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

CINO3 - Strat zonal mean % diff for Jul



# GEOS-Chem Stratospheric Zonal Difference Maps

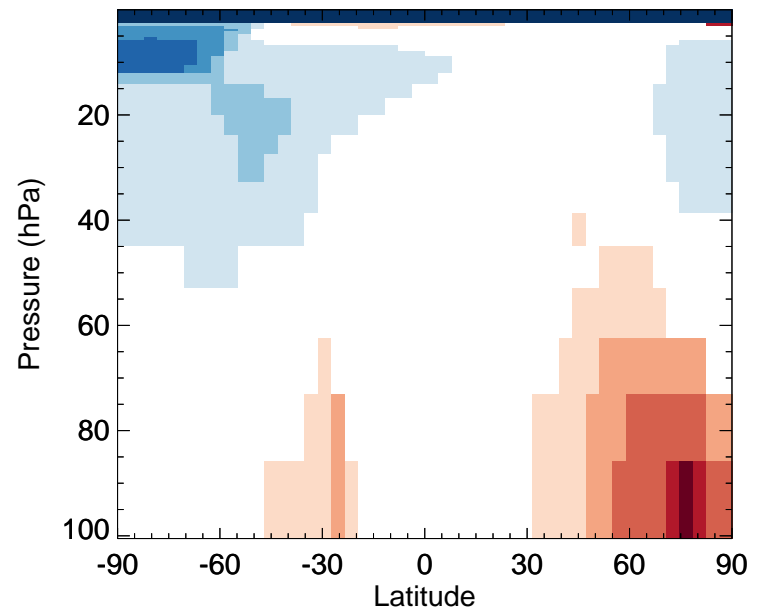
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CINO2 - Strat zonal mean abs diff for Jul



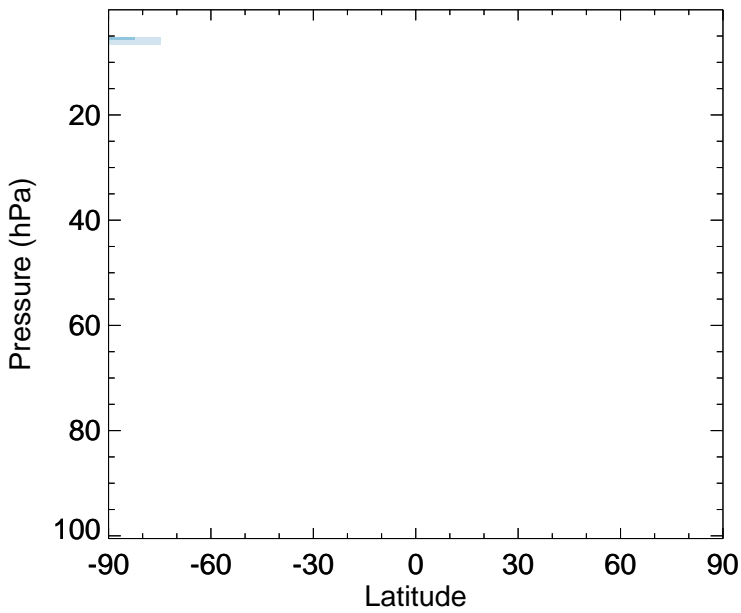
GC\_12.0.0 / v11-02f-Run1

CINO2 - Strat zonal mean % diff for Jul



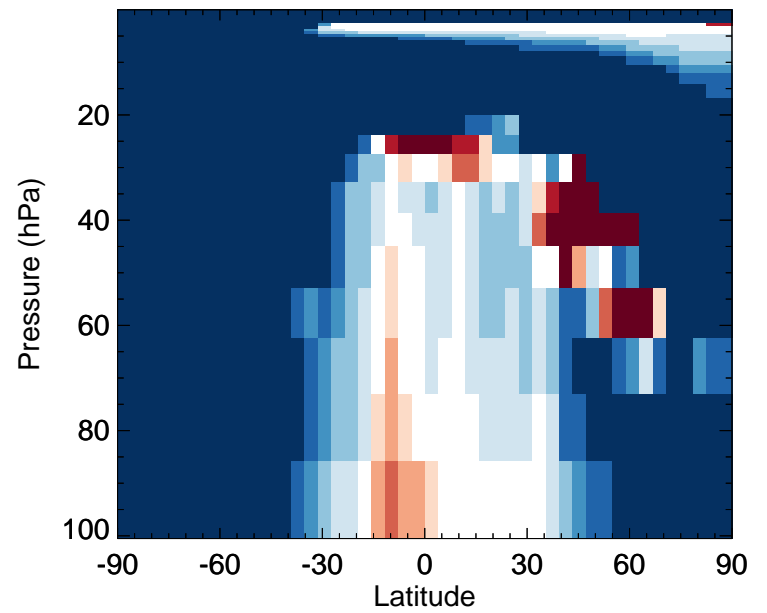
GC\_12.0.0 - v11-02e-Run1

CINO2 - Strat zonal mean abs diff for Jul



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

CINO2 - Strat zonal mean % diff for Jul





GEOS-Chem Stratospheric Zonal Difference Maps

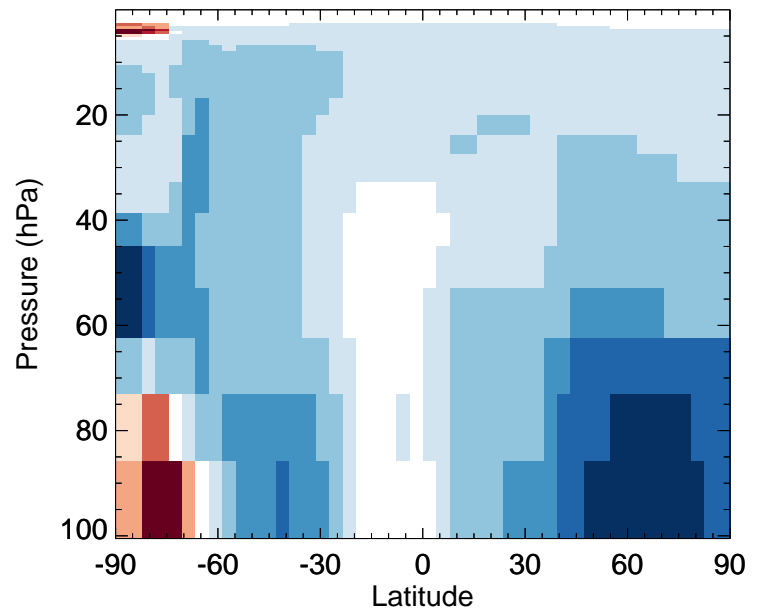
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CIOO - Strat zonal mean abs diff for Jul



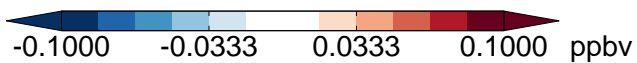
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CIOO - Strat zonal mean % diff for Jul



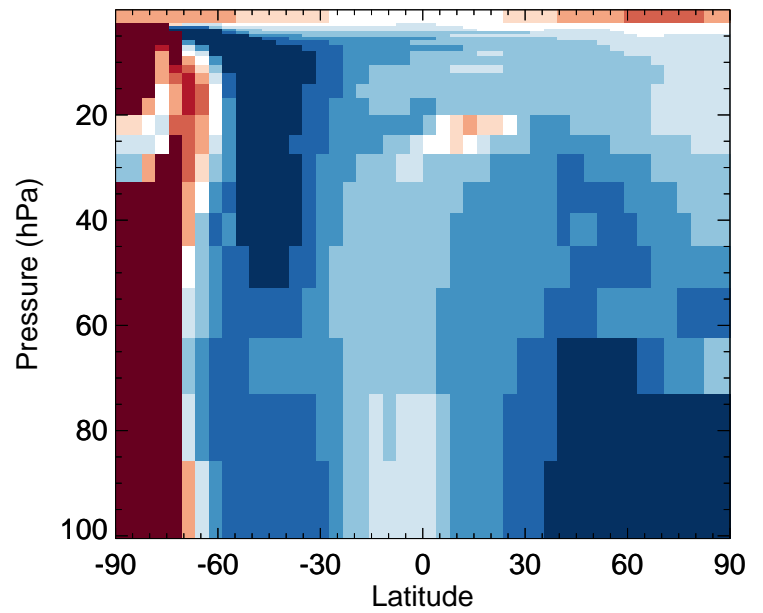
GC\_12.0.0 - v11-02e-Run1

CIOO - Strat zonal mean abs diff for Jul



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

CIOO - Strat zonal mean % diff for Jul



# GEOS-Chem Stratospheric Zonal Difference Maps

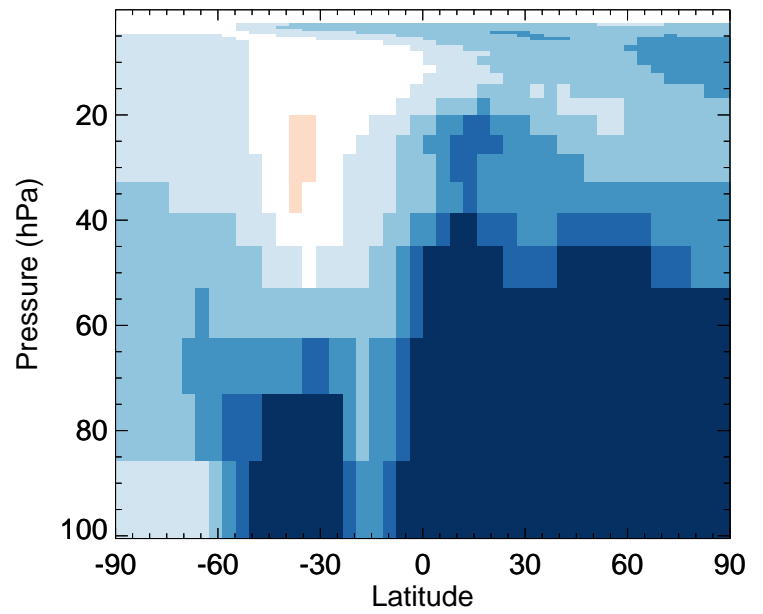
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OCIO - Strat zonal mean abs diff for Jul



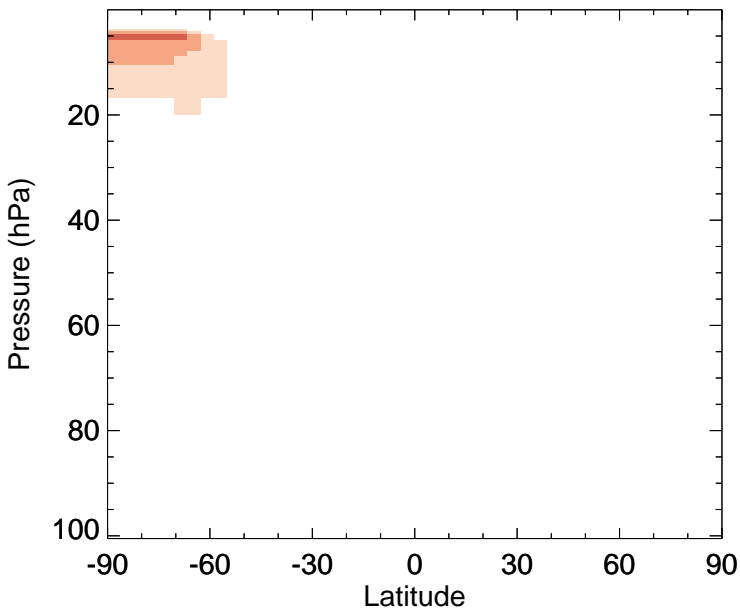
GC\_12.0.0 / v11-02f-Run1

OCIO - Strat zonal mean % diff for Jul



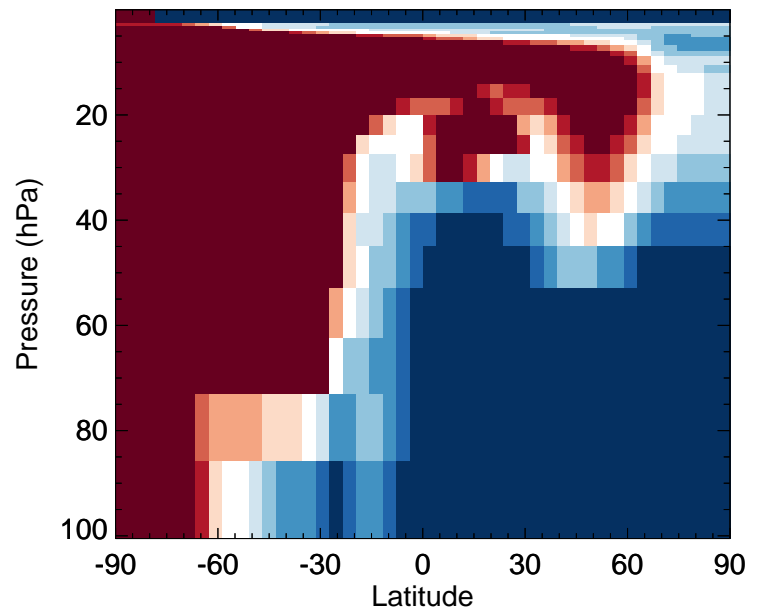
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OCIO - Strat zonal mean abs diff for Jul



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

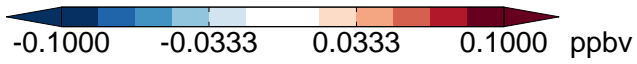
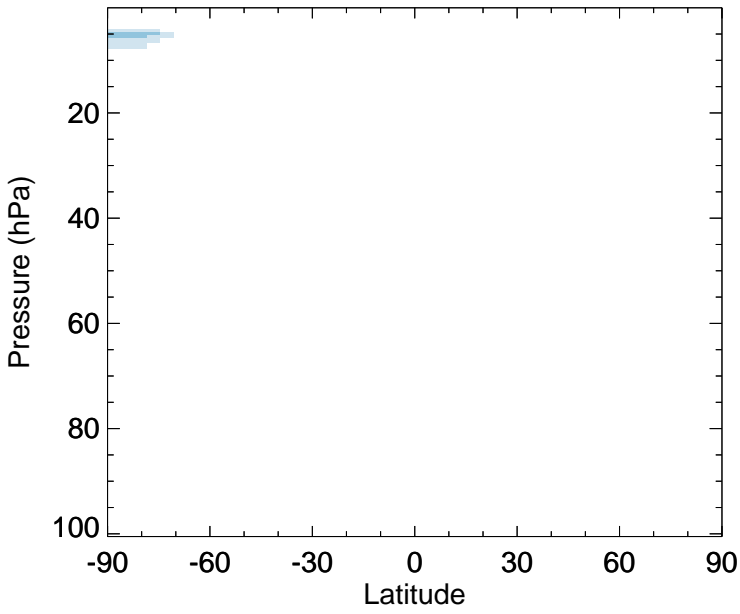
OCIO - Strat zonal mean % diff for Jul



# GEOS-Chem Stratospheric Zonal Difference Maps

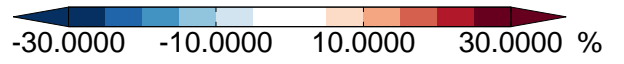
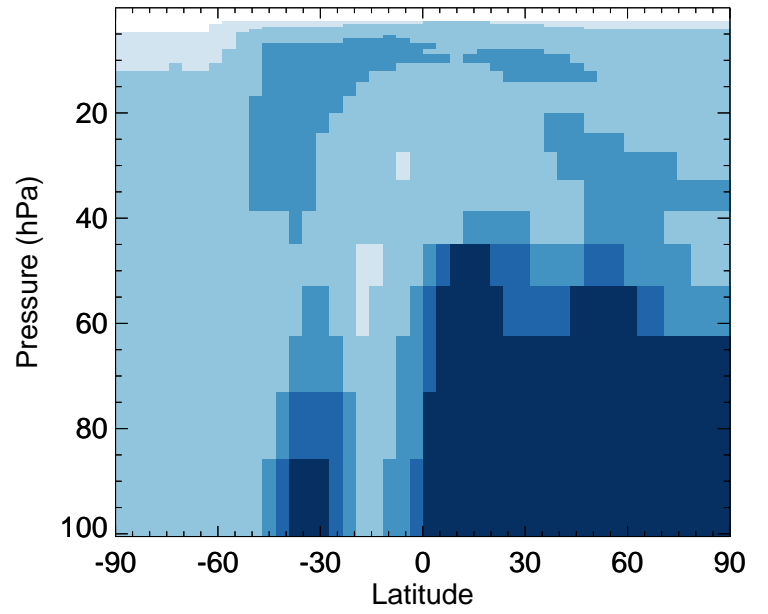
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Cl2 - Strat zonal mean abs diff for Jul



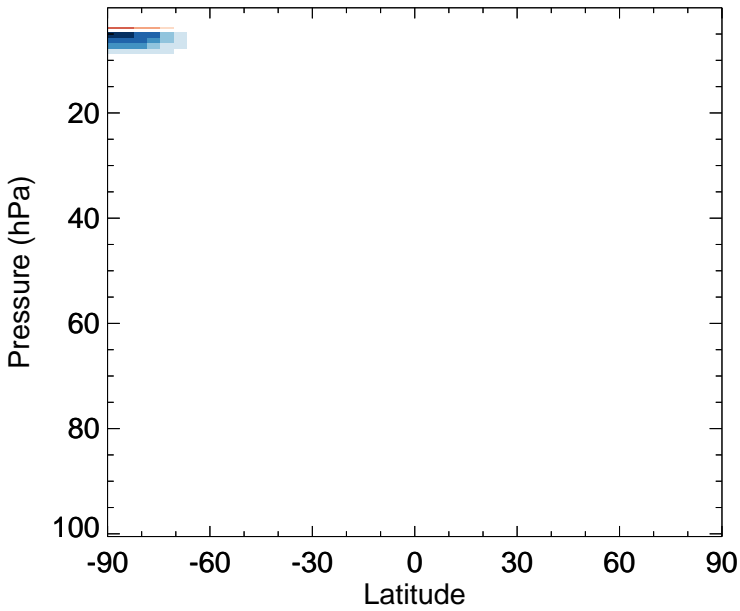
GC\_12.0.0 / v11-02f-Run1

Cl2 - Strat zonal mean % diff for Jul



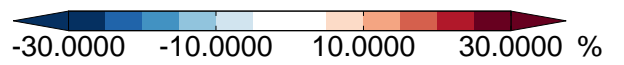
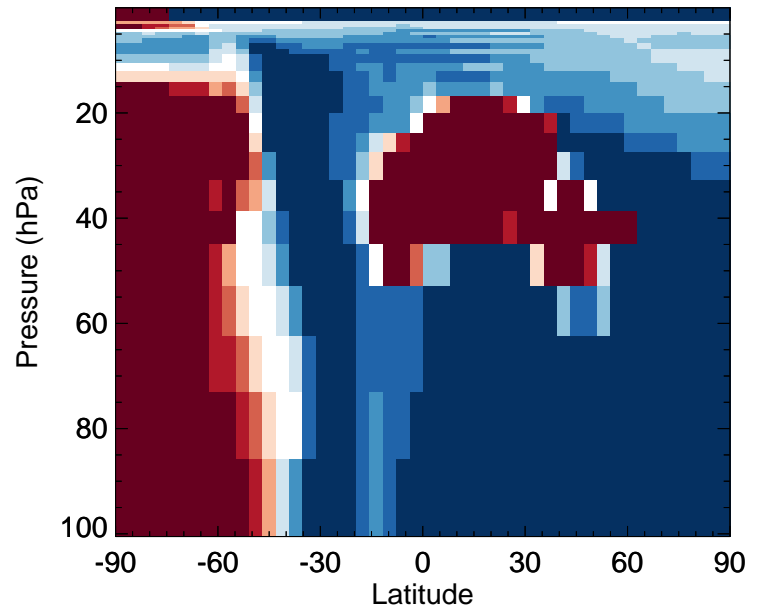
GC\_12.0.0 - v11-02e-Run1

Cl2 - Strat zonal mean abs diff for Jul



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

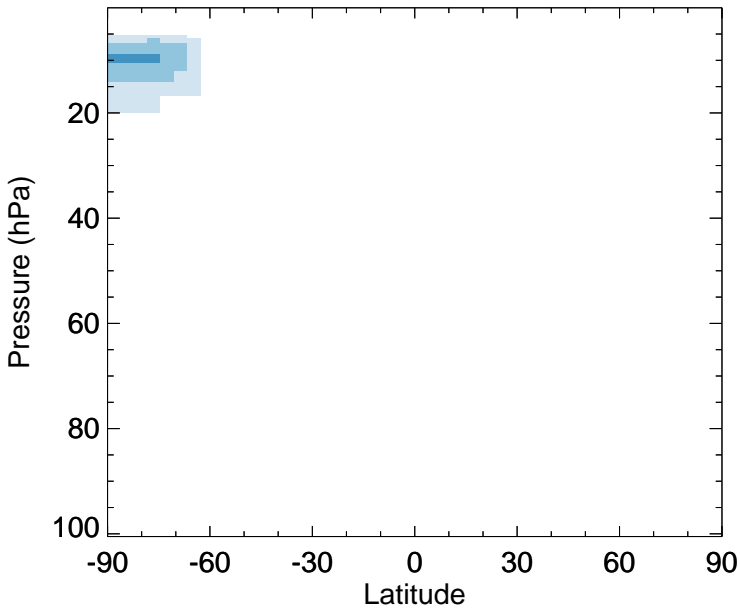
Cl2 - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

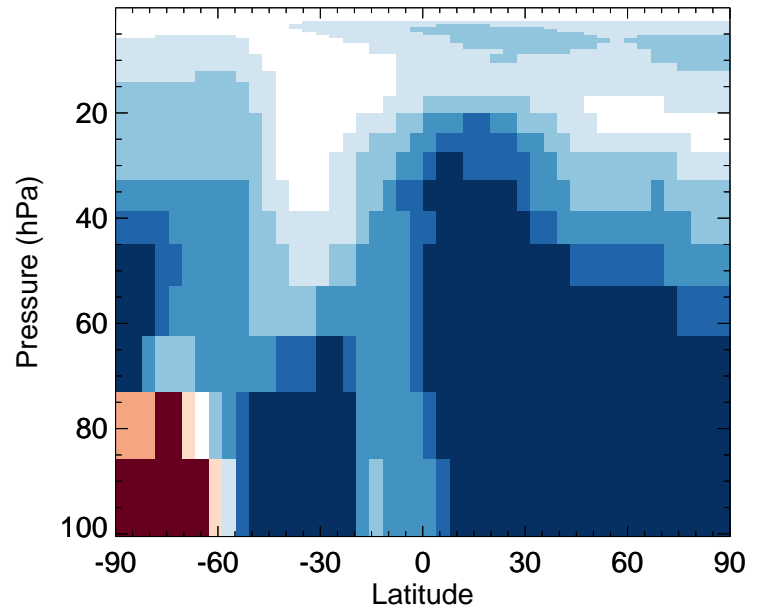
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Cl2O2 - Strat zonal mean abs diff for Jul



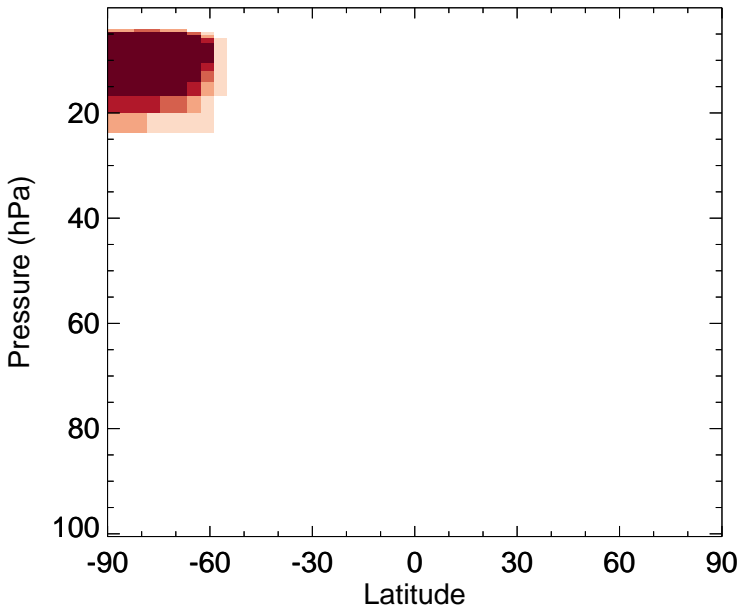
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Cl2O2 - Strat zonal mean % diff for Jul



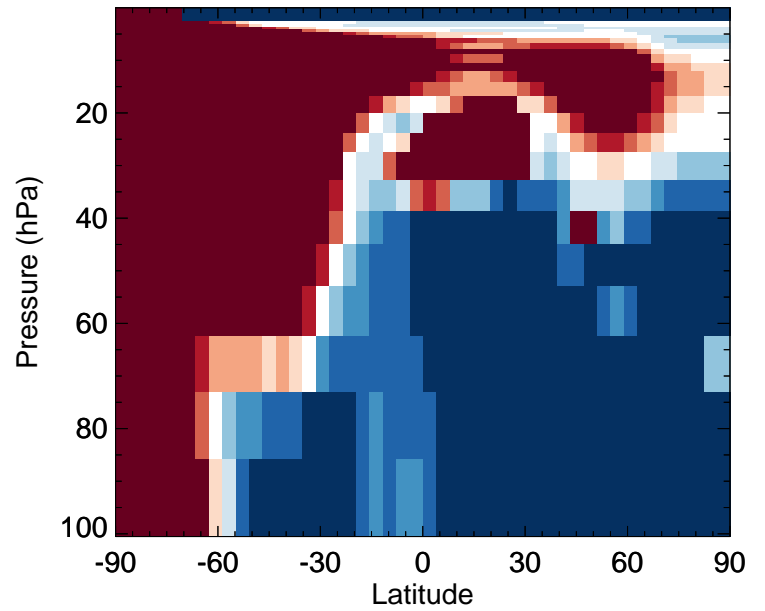
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Cl2O2 - Strat zonal mean abs diff for Jul



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

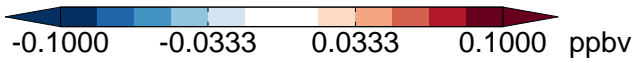
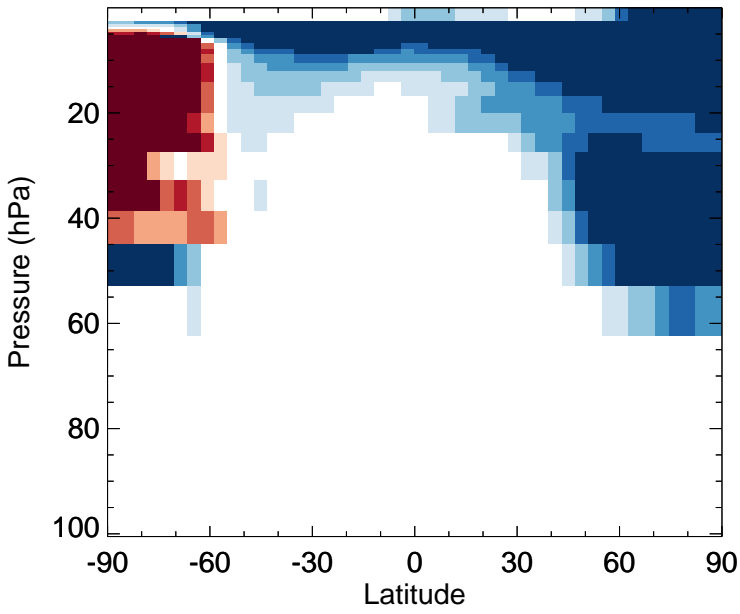
Cl2O2 - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

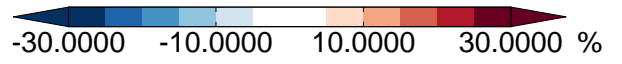
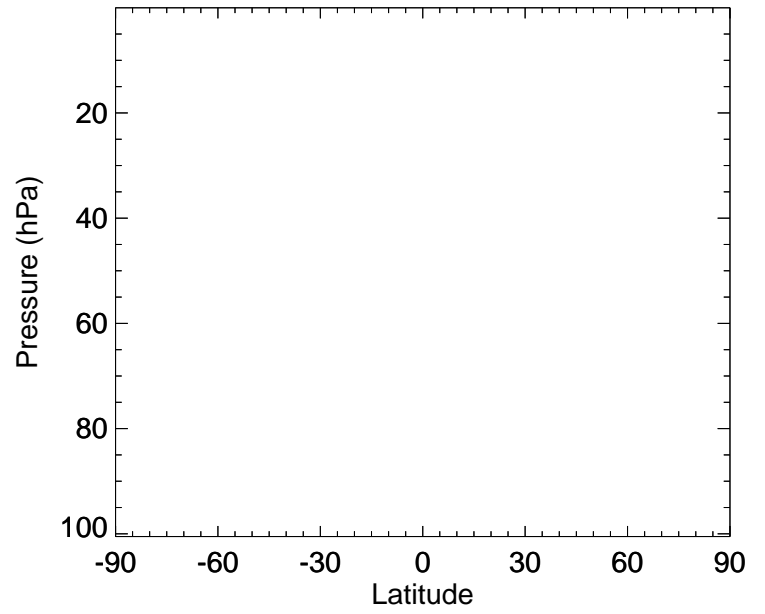
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H2O - Strat zonal mean abs diff for Jul



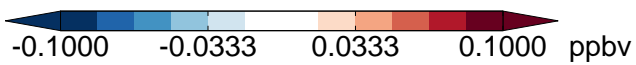
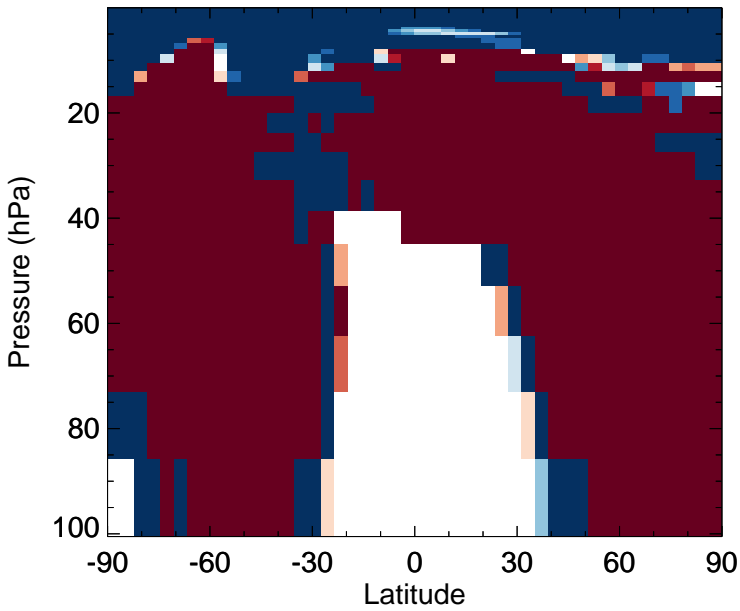
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H2O - Strat zonal mean % diff for Jul



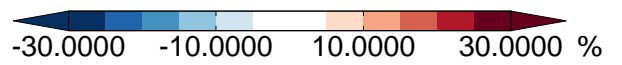
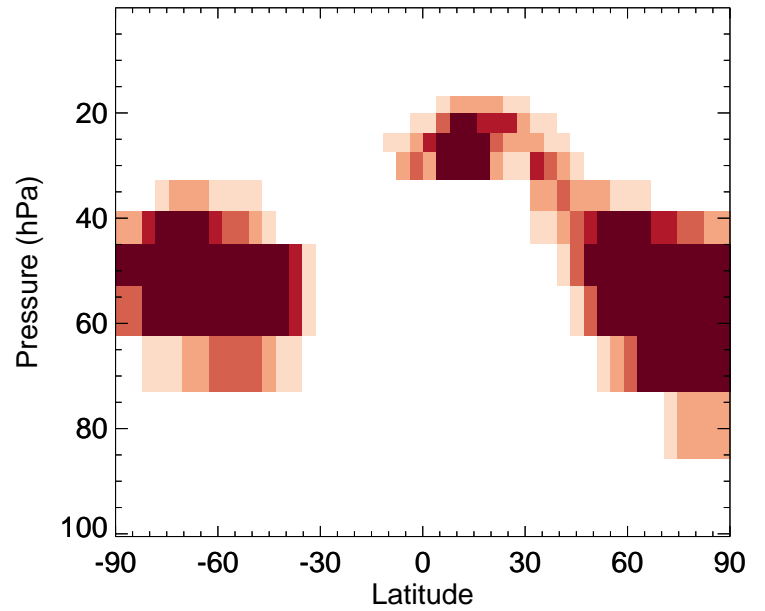
GC\_12.0.0 - v11-02e-Run1

H2O - Strat zonal mean abs diff for Jul



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

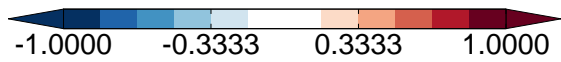
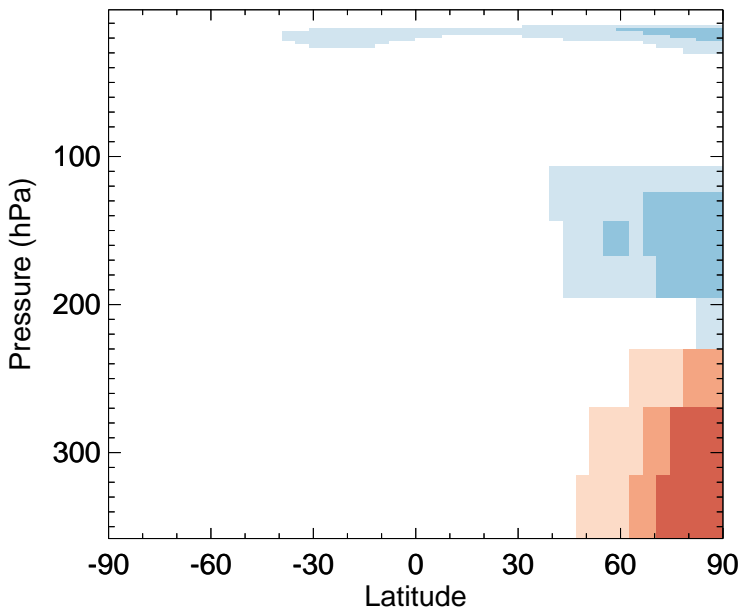
H2O - Strat zonal mean % diff for Jul



# GEOS-Chem Stratospheric Zonal Difference Maps

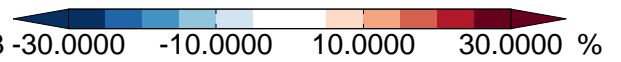
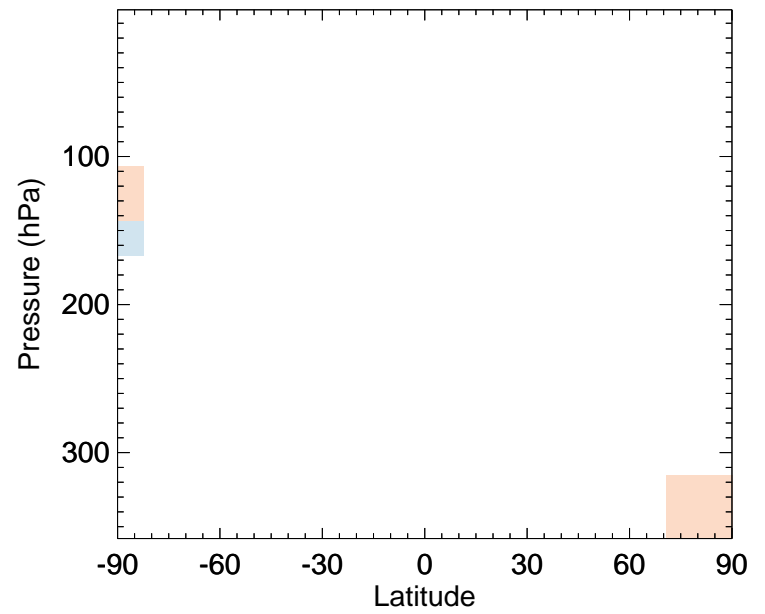
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OH - Strat zonal mean abs diff for Jul



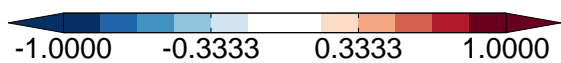
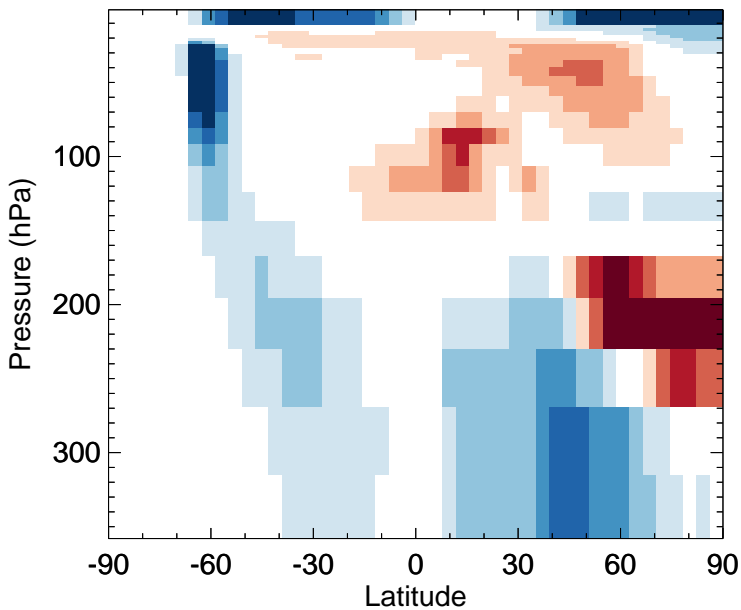
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OH - Strat zonal mean % diff for Jul



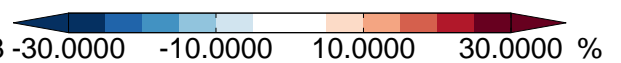
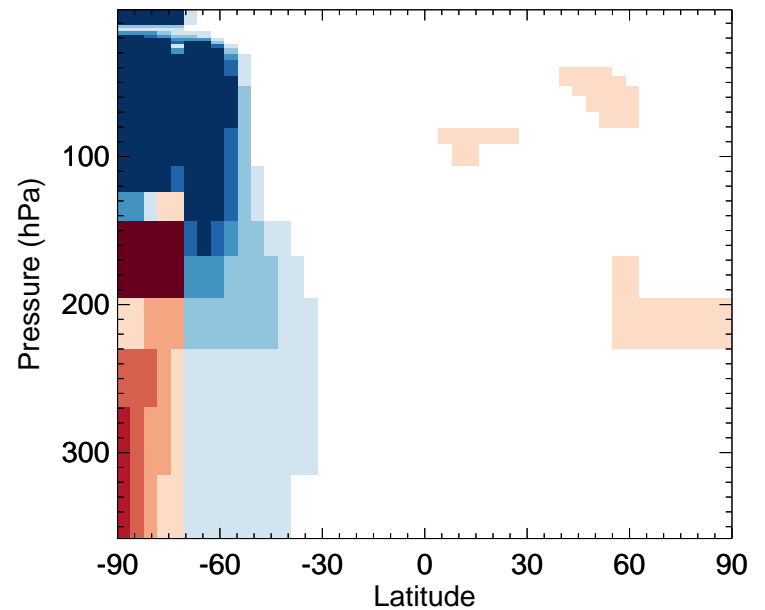
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OH - Strat zonal mean abs diff for Jul



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

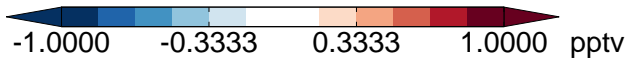
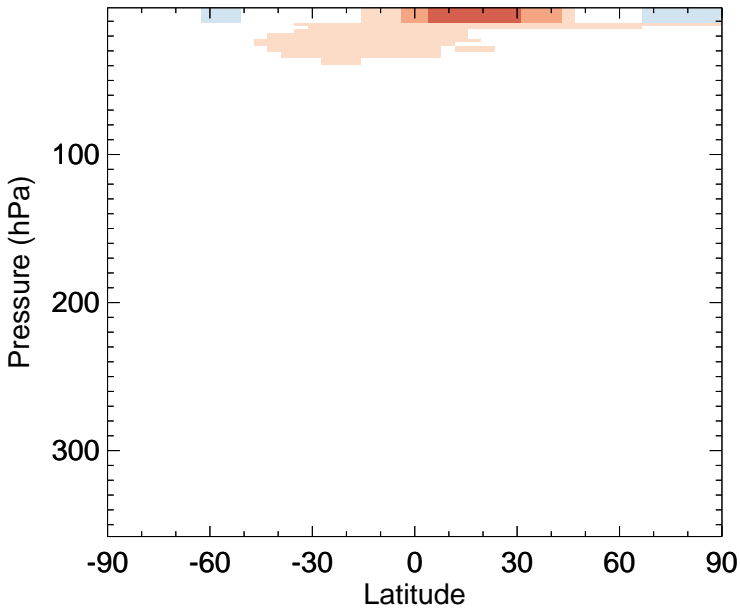
OH - Strat zonal mean % diff for Jul



GEOS-Chem Stratospheric Zonal Difference Maps

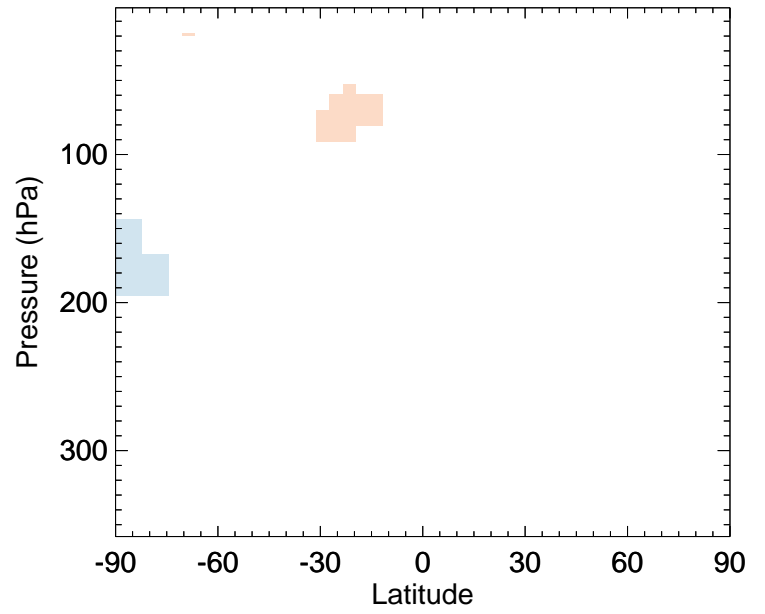
GC\_12.0.0 - v11-02f-Run1

HO2 - Strat zonal mean abs diff for Jul



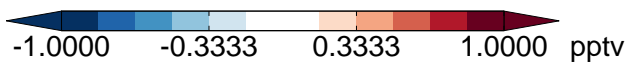
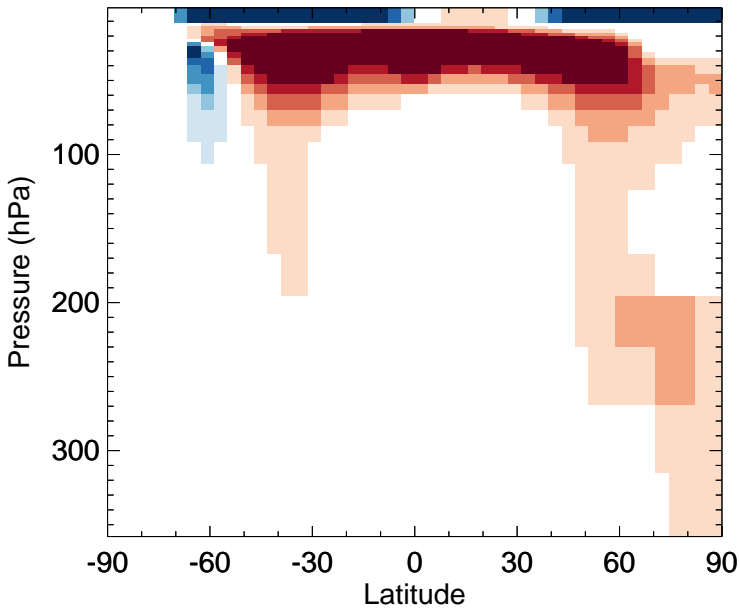
GC\_12.0.0 / v11-02f-Run1

HO2 - Strat zonal mean % diff for Jul



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

HO2 - Strat zonal mean abs diff for Jul



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

HO2 - Strat zonal mean % diff for Jul

