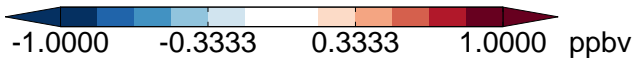
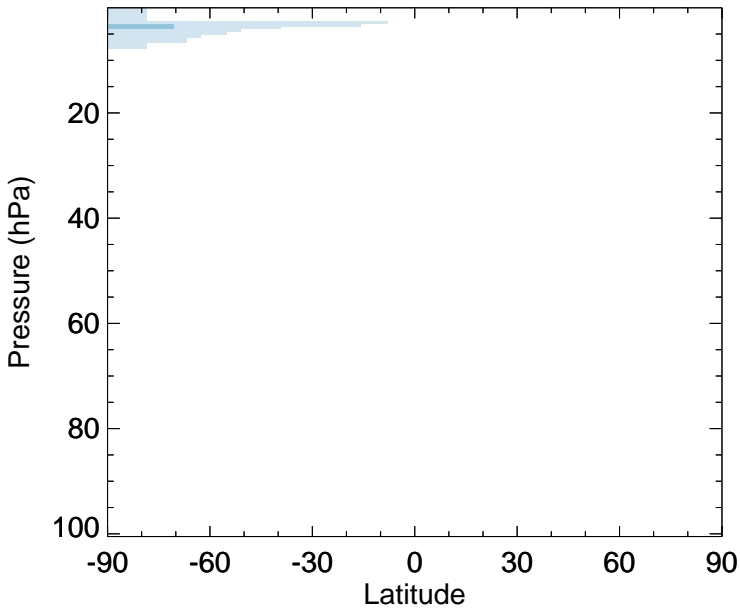


# GEOS-Chem Stratospheric Zonal Difference Maps

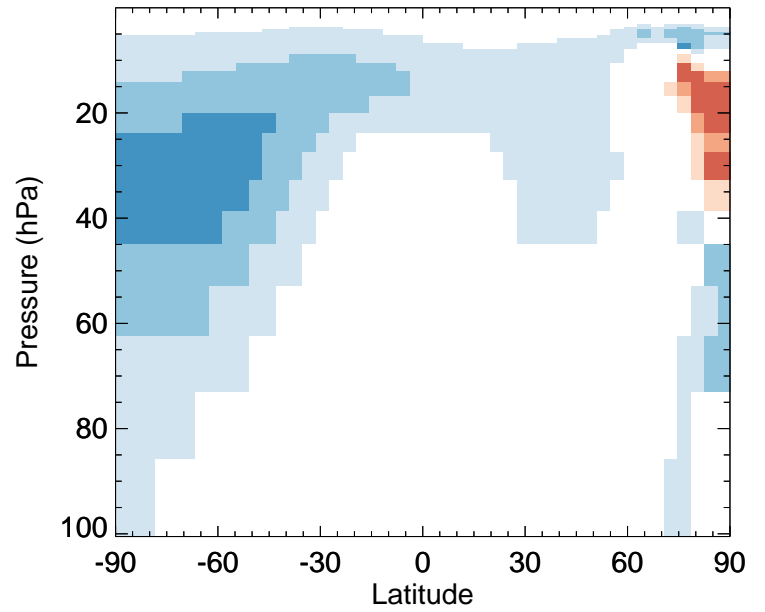
GC\_12.0.0 - v11-02f-Run1

NO - Strat zonal mean abs diff for Jan



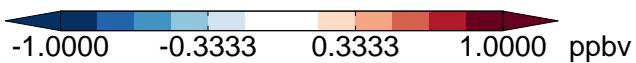
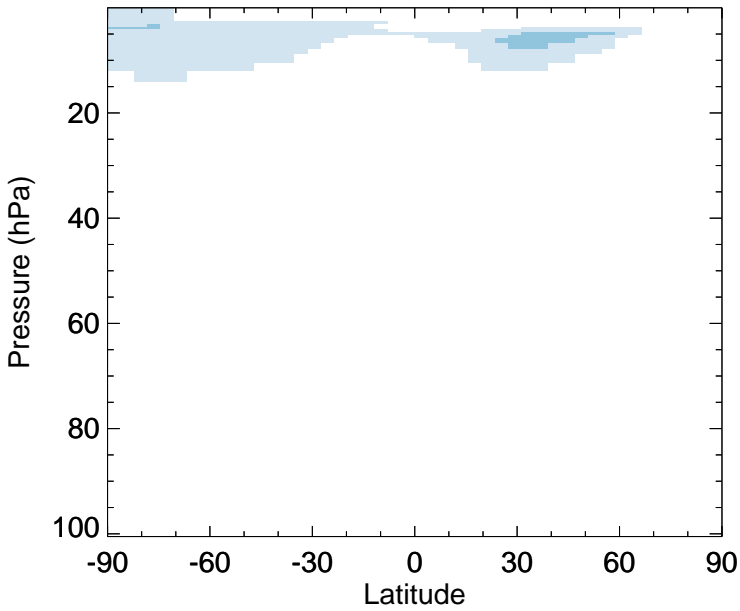
GC\_12.0.0 / v11-02f-Run1

NO - Strat zonal mean % diff for Jan



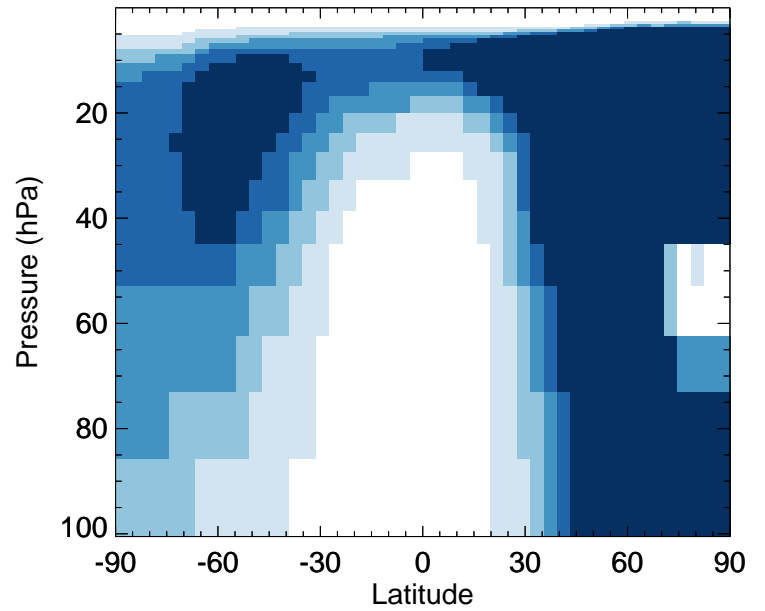
GC\_12.0.0 - v11-02e-Run1

NO - Strat zonal mean abs diff for Jan



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

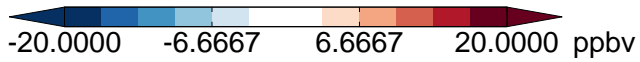
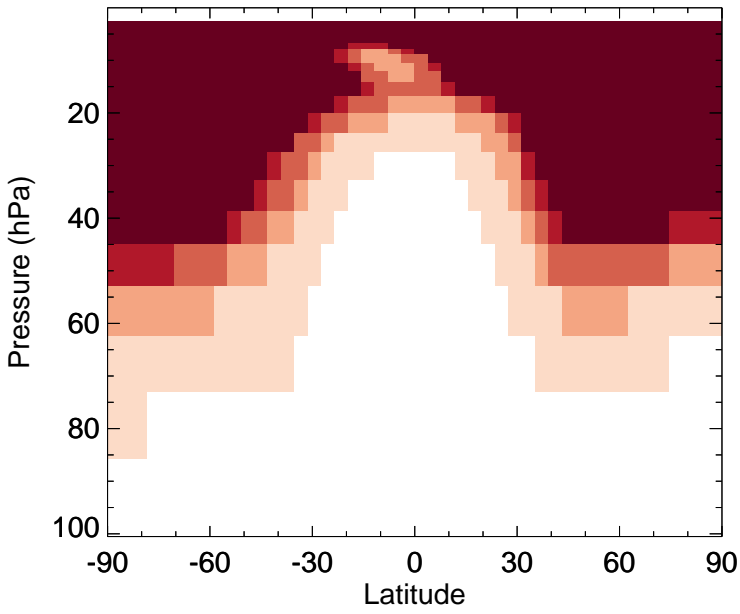
NO - Strat zonal mean % diff for Jan



# GEOS-Chem Stratospheric Zonal Difference Maps

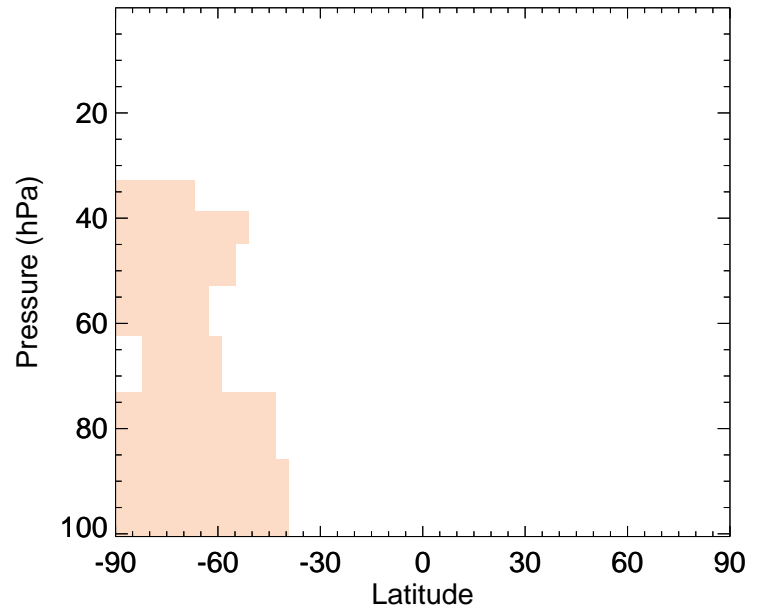
## GC\_12.0.0 - v11-02f-Run1

### O3 - Strat zonal mean abs diff for Jan



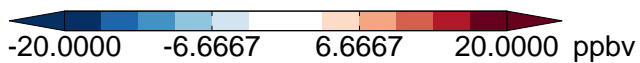
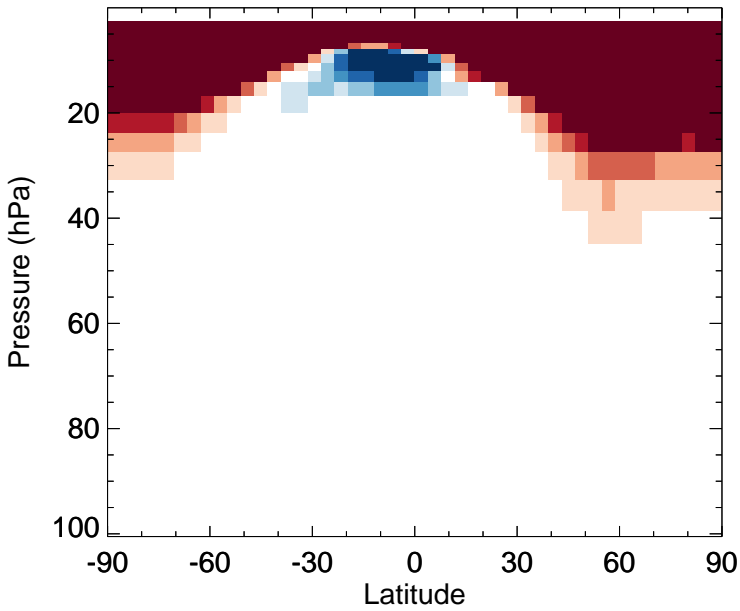
## GC\_12.0.0 / v11-02f-Run1

### O3 - Strat zonal mean % diff for Jan



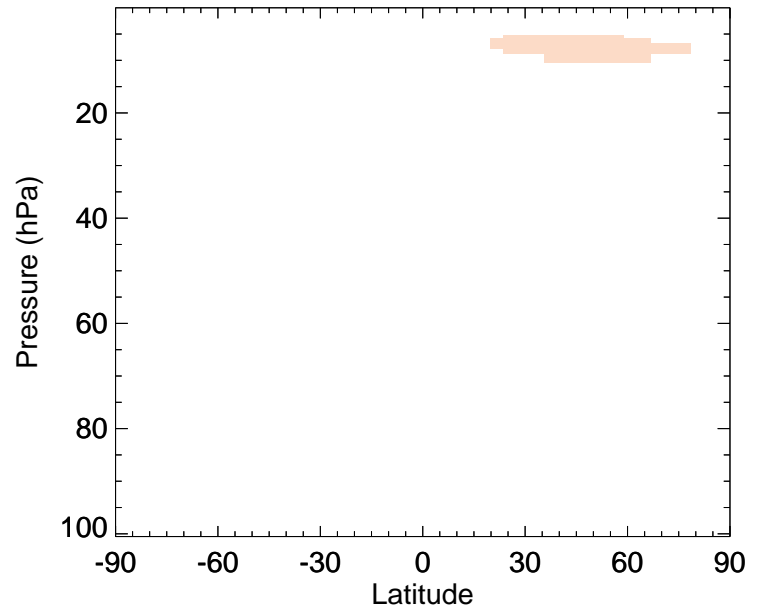
## GC\_12.0.0 - v11-02e-Run1

### O3 - Strat zonal mean abs diff for Jan



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

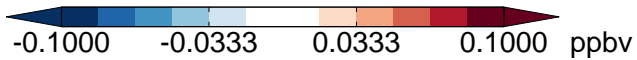
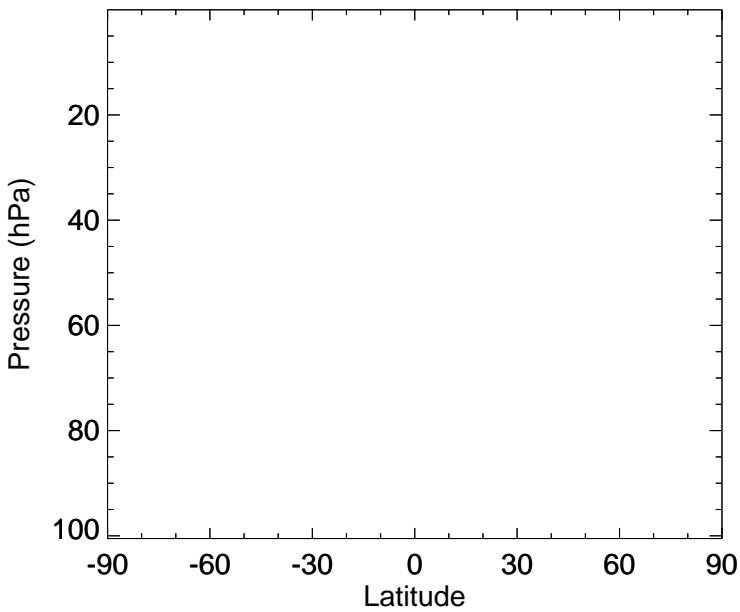
### O3 - Strat zonal mean % diff for Jan



# GEOS-Chem Stratospheric Zonal Difference Maps

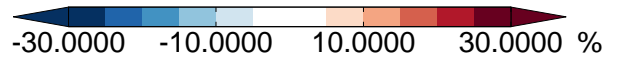
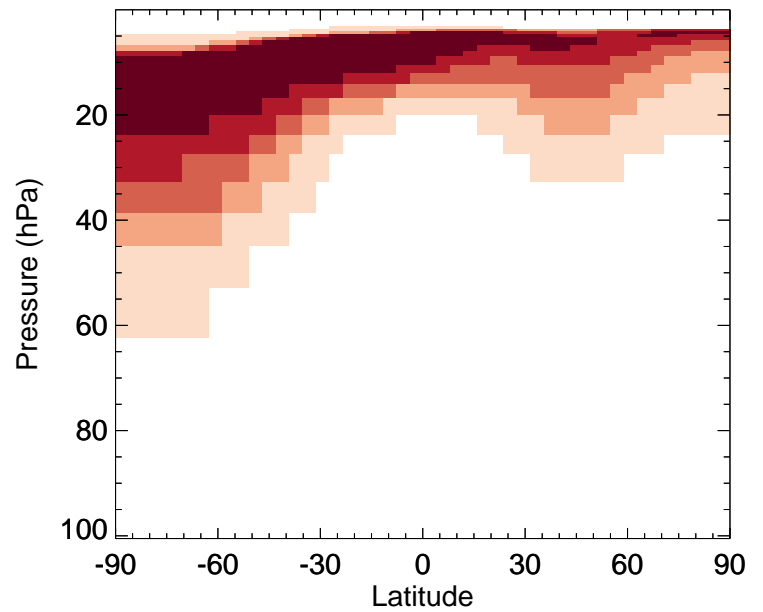
## GC\_12.0.0 - v11-02f-Run1

### PAN - Strat zonal mean abs diff for Jan



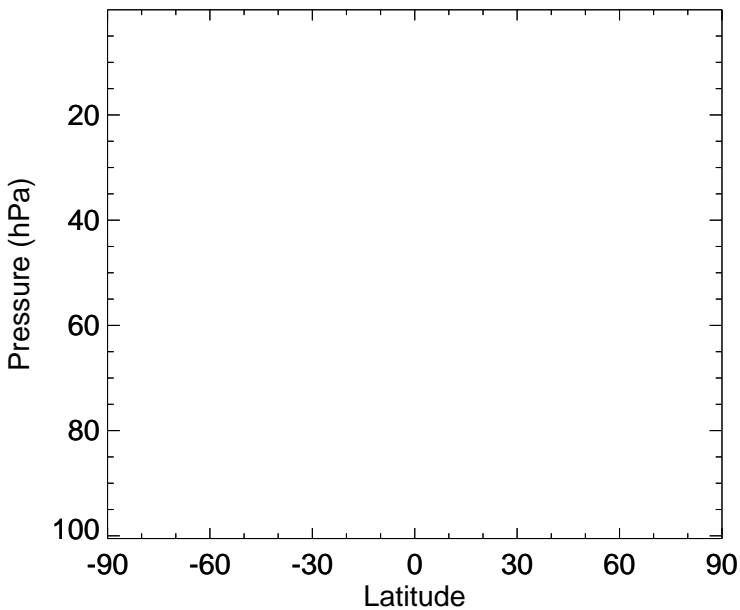
## GC\_12.0.0 / v11-02f-Run1

### PAN - Strat zonal mean % diff for Jan



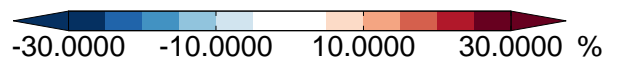
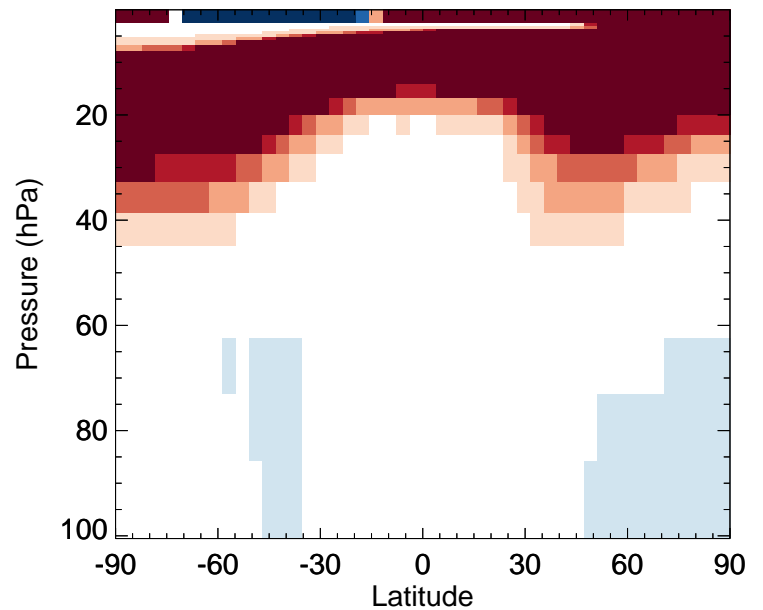
## GC\_12.0.0 - v11-02e-Run1

### PAN - Strat zonal mean abs diff for Jan



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

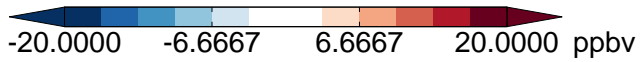
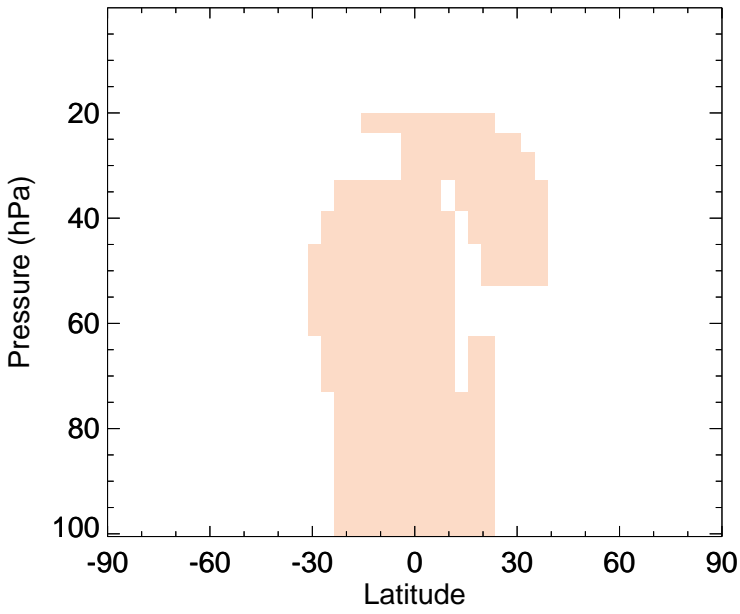
### PAN - Strat zonal mean % diff for Jan



# GEOS-Chem Stratospheric Zonal Difference Maps

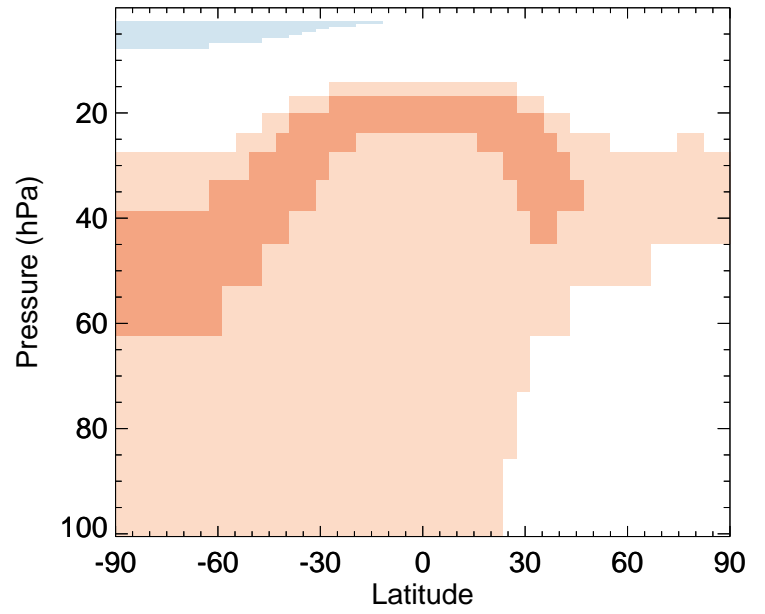
## GC\_12.0.0 - v11-02f-Run1

CO - Strat zonal mean abs diff for Jan



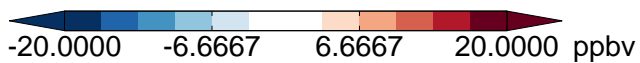
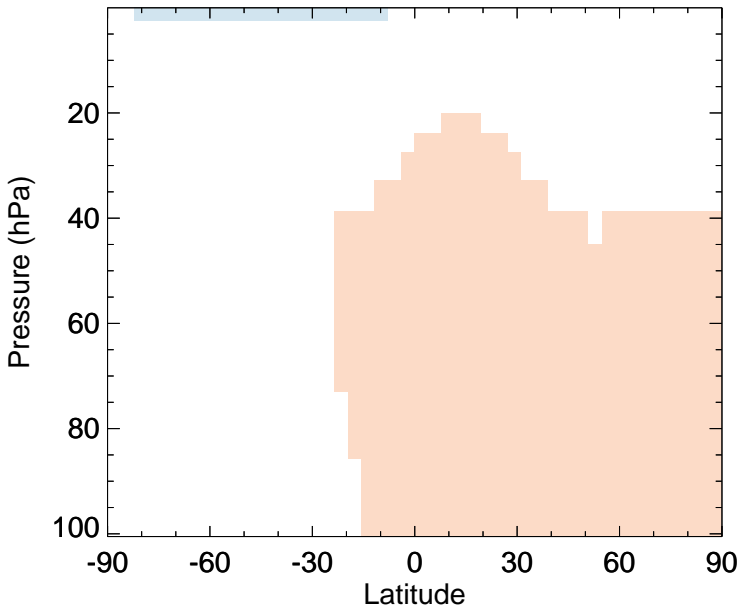
## GC\_12.0.0 / v11-02f-Run1

CO - Strat zonal mean % diff for Jan



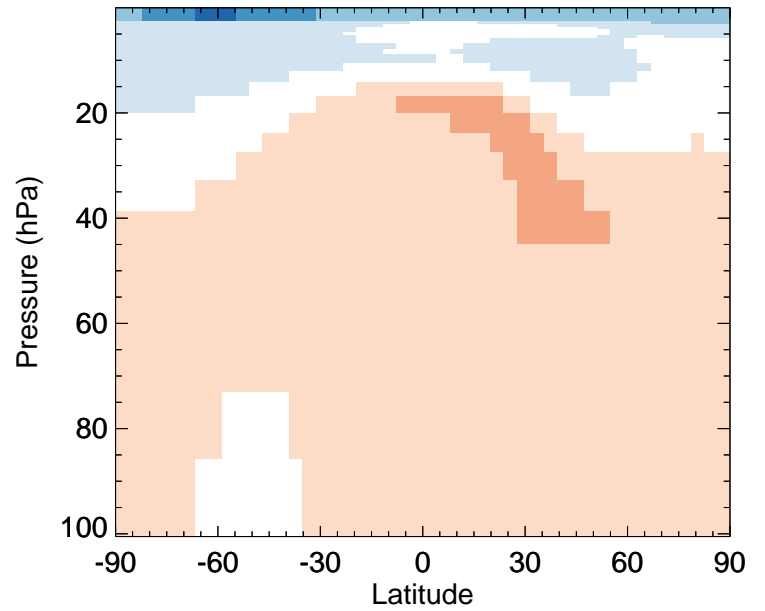
## GC\_12.0.0 - v11-02e-Run1

CO - Strat zonal mean abs diff for Jan



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

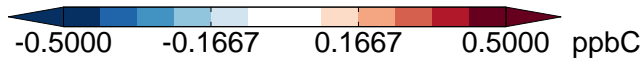
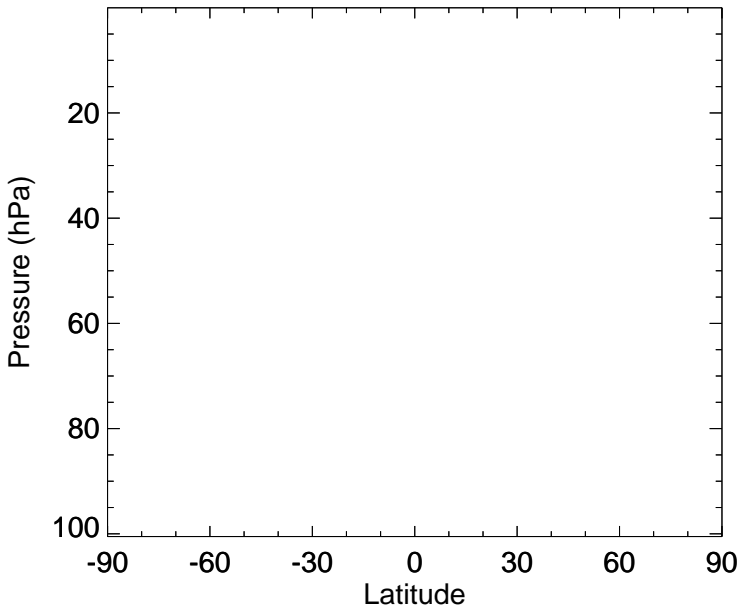
CO - Strat zonal mean % diff for Jan



GEOS-Chem Stratospheric Zonal Difference Maps

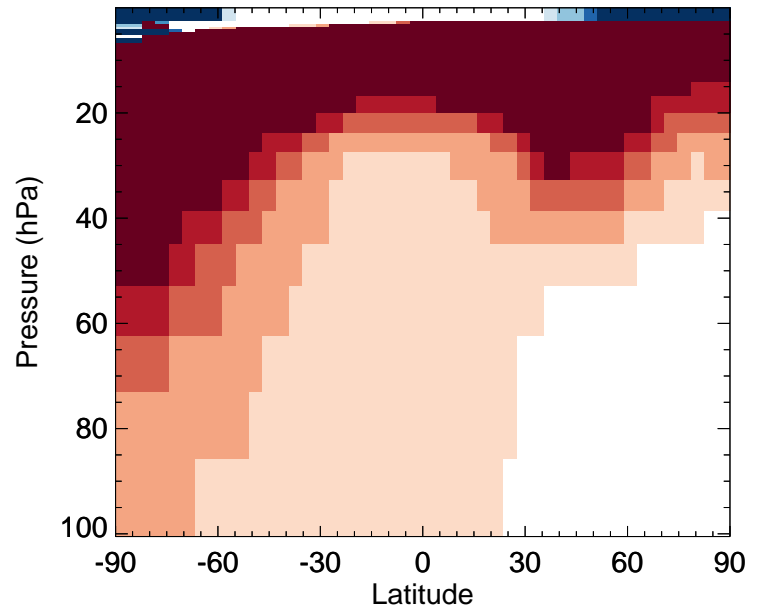
GC\_12.0.0 - v11-02f-Run1

ALK4 - Strat zonal mean abs diff for Jan



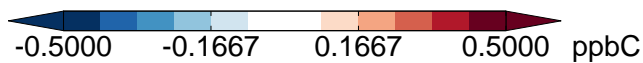
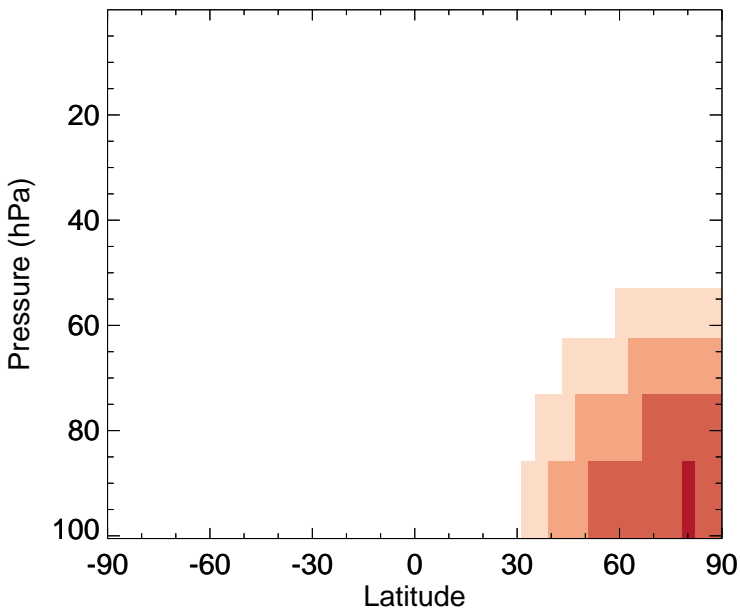
GC\_12.0.0 / v11-02f-Run1

ALK4 - Strat zonal mean % diff for Jan



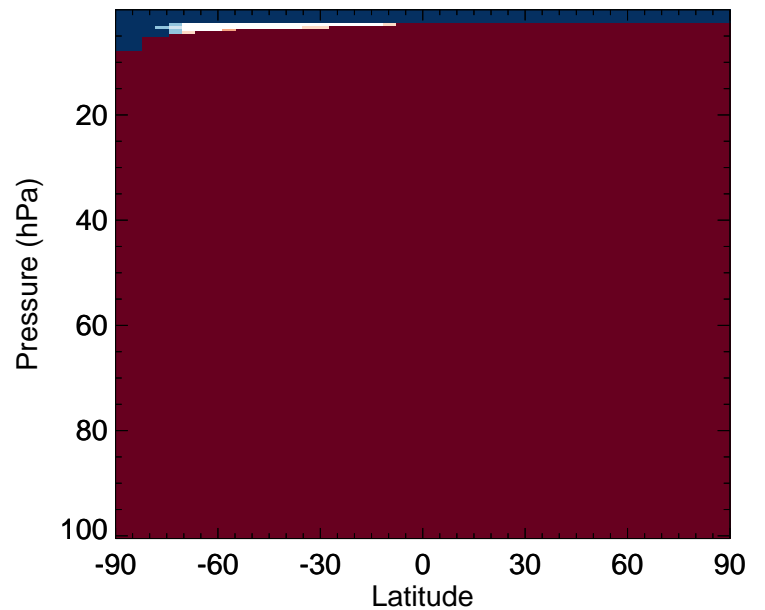
GC\_12.0.0 - v11-02e-Run1

ALK4 - Strat zonal mean abs diff for Jan



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

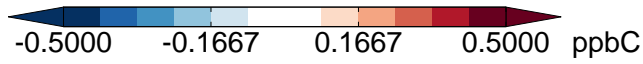
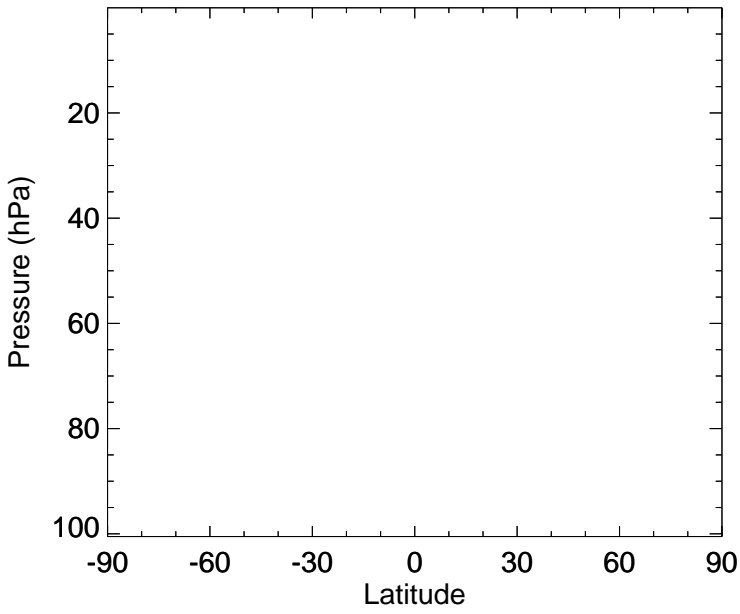
ALK4 - Strat zonal mean % diff for Jan



# GEOS-Chem Stratospheric Zonal Difference Maps

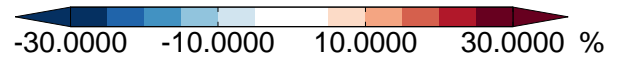
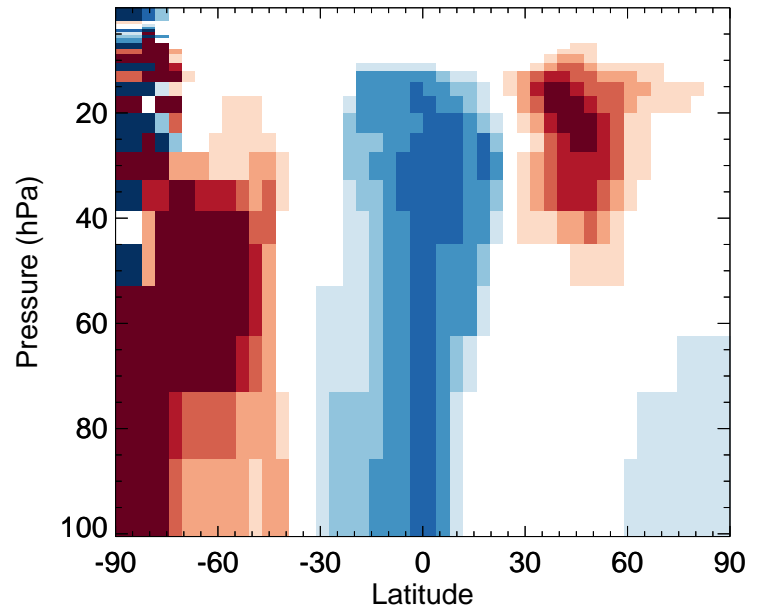
GC\_12.0.0 - v11-02f-Run1

ISOP - Strat zonal mean abs diff for Jan



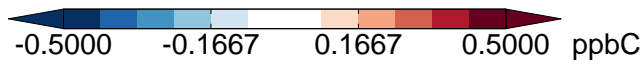
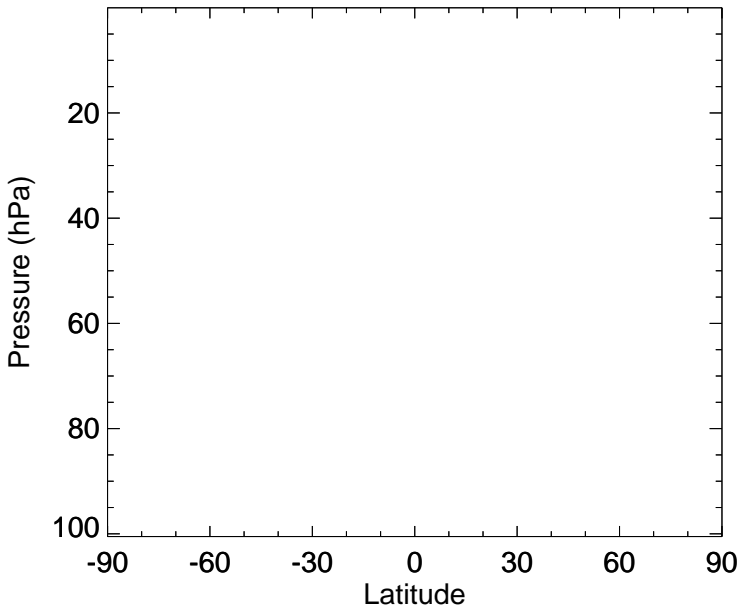
GC\_12.0.0 / v11-02f-Run1

ISOP - Strat zonal mean % diff for Jan



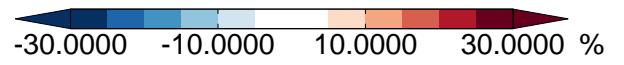
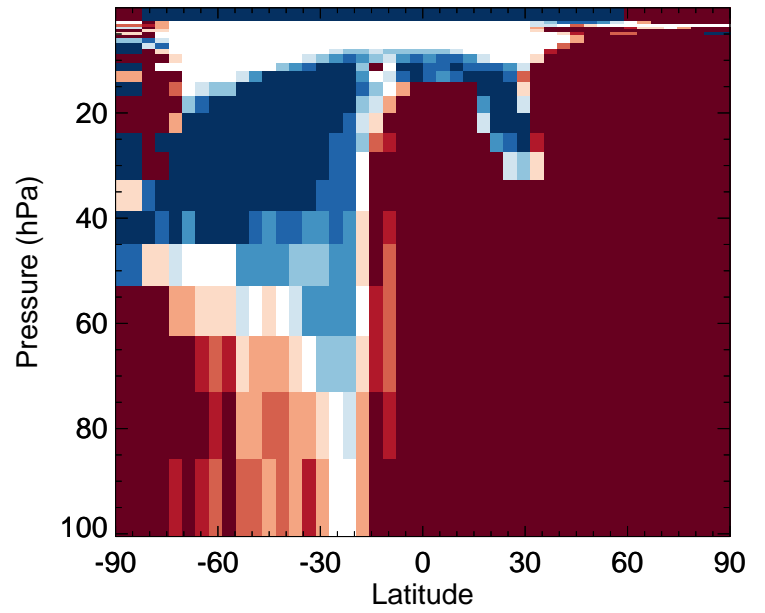
GC\_12.0.0 - v11-02e-Run1

ISOP - Strat zonal mean abs diff for Jan



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

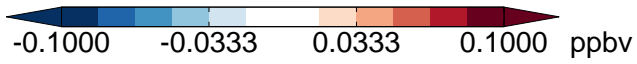
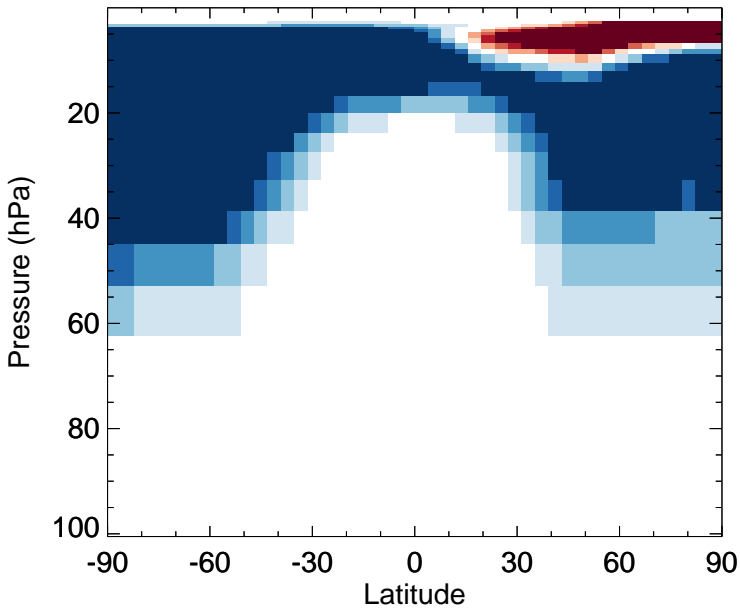
ISOP - Strat zonal mean % diff for Jan



# GEOS-Chem Stratospheric Zonal Difference Maps

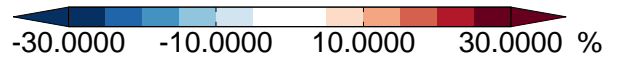
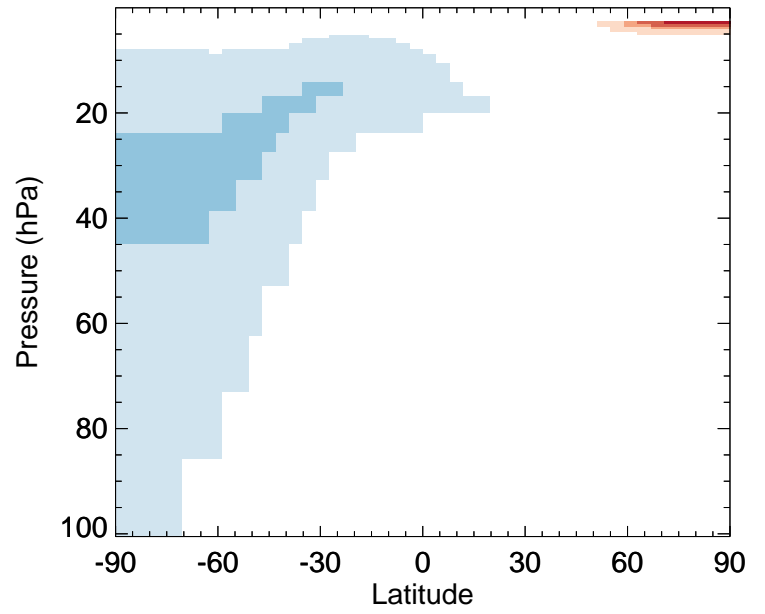
## GC\_12.0.0 - v11-02f-Run1

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



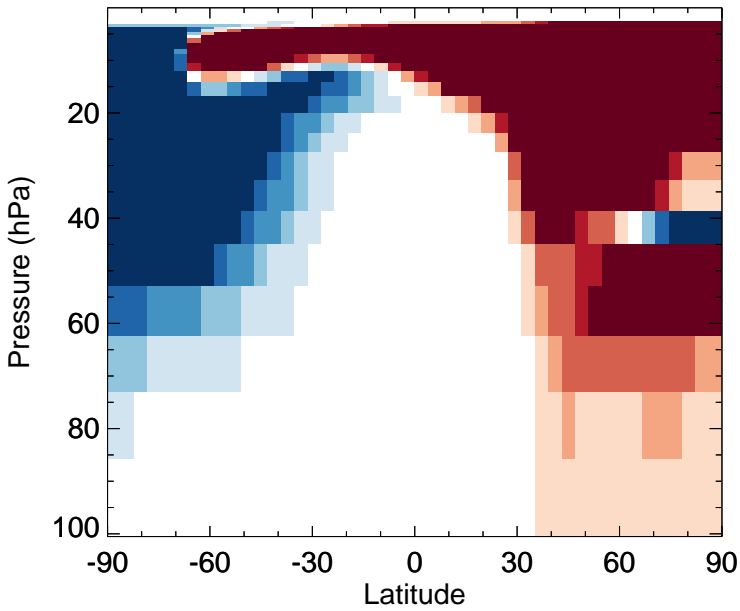
## GC\_12.0.0 / v11-02f-Run1

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



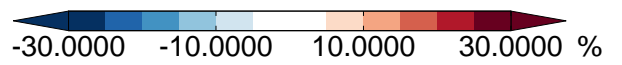
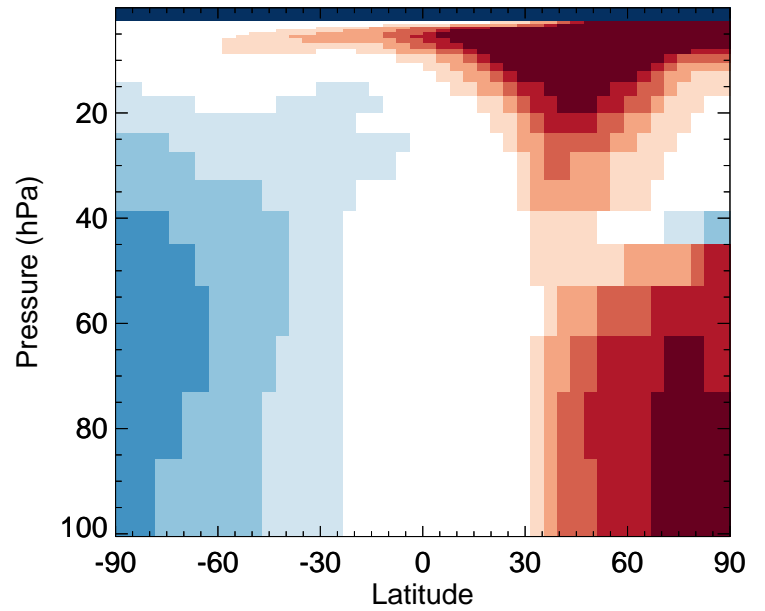
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HNO<sub>3</sub> - Strat zonal mean abs diff for Jan



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

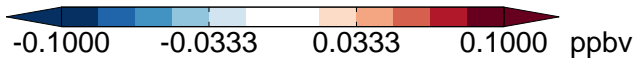
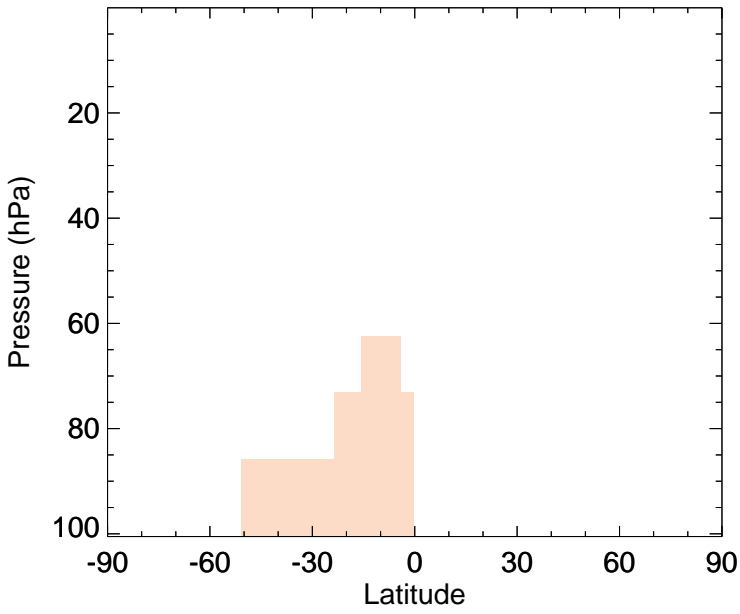
HNO<sub>3</sub> - Strat zonal mean % diff for Jan



# GEOS-Chem Stratospheric Zonal Difference Maps

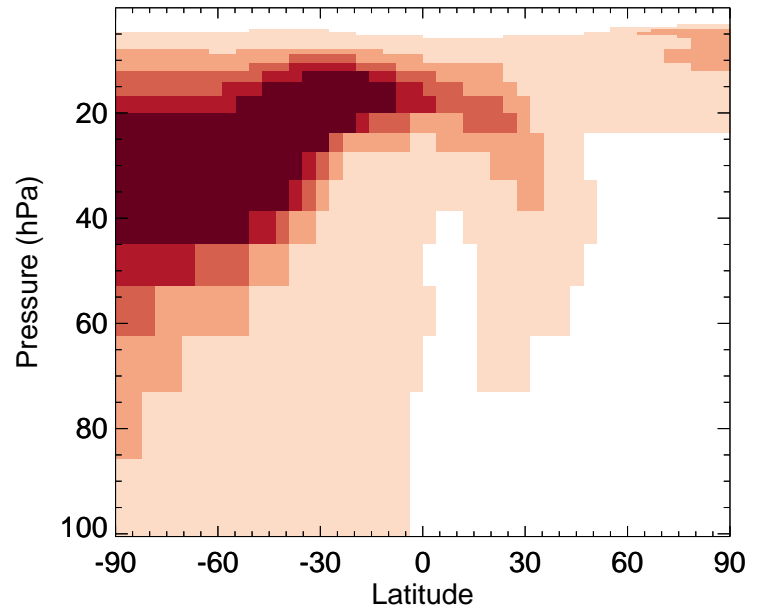
## GC\_12.0.0 - v11-02f-Run1

### H2O2 - Strat zonal mean abs diff for Jan



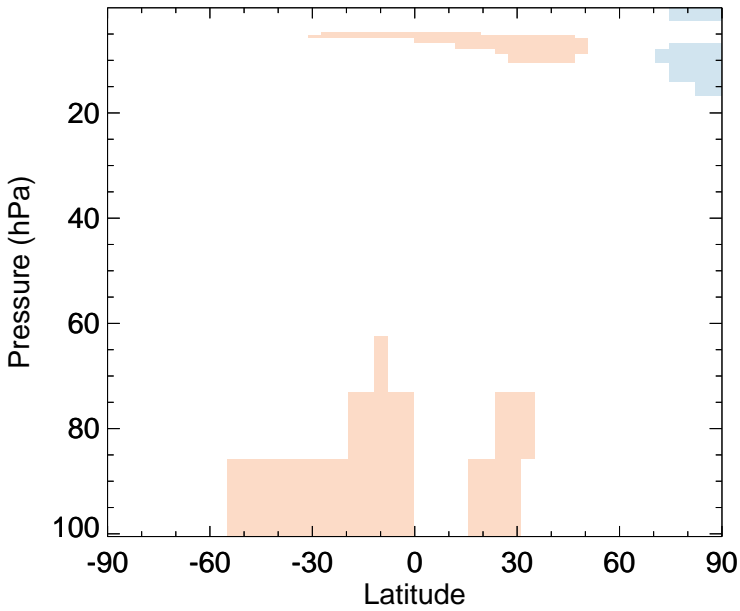
## GC\_12.0.0 / v11-02f-Run1

### H2O2 - Strat zonal mean % diff for Jan



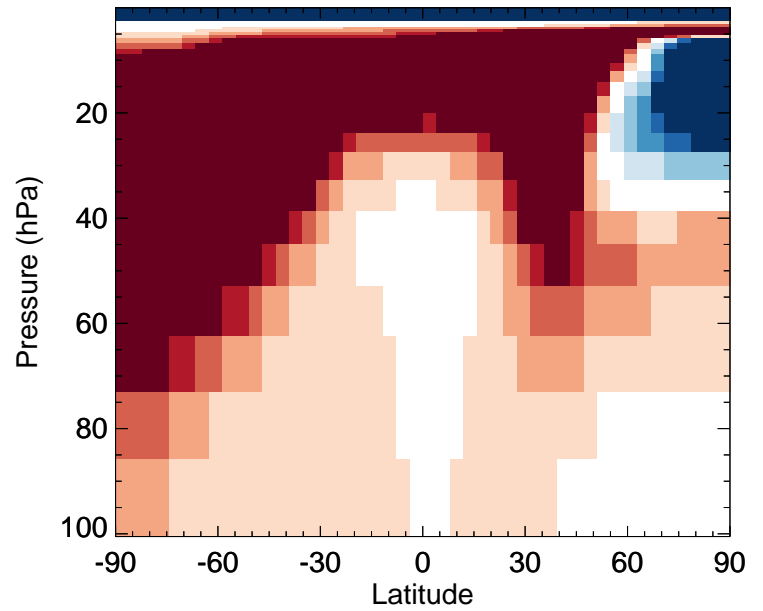
## GC\_12.0.0 - v11-02e-Run1

### H2O2 - Strat zonal mean abs diff for Jan



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

### H2O2 - Strat zonal mean % diff for Jan

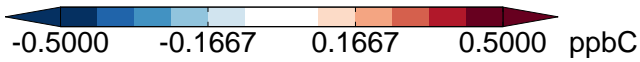
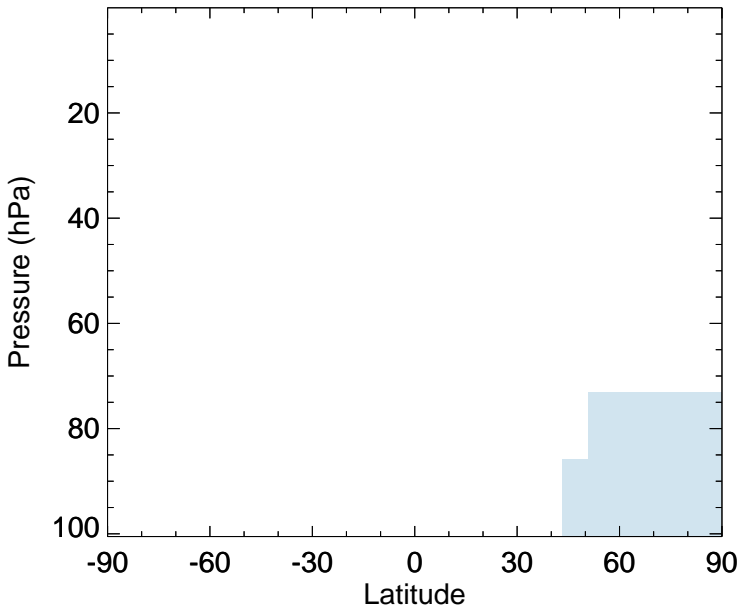




GEOS-Chem Stratospheric Zonal Difference Maps

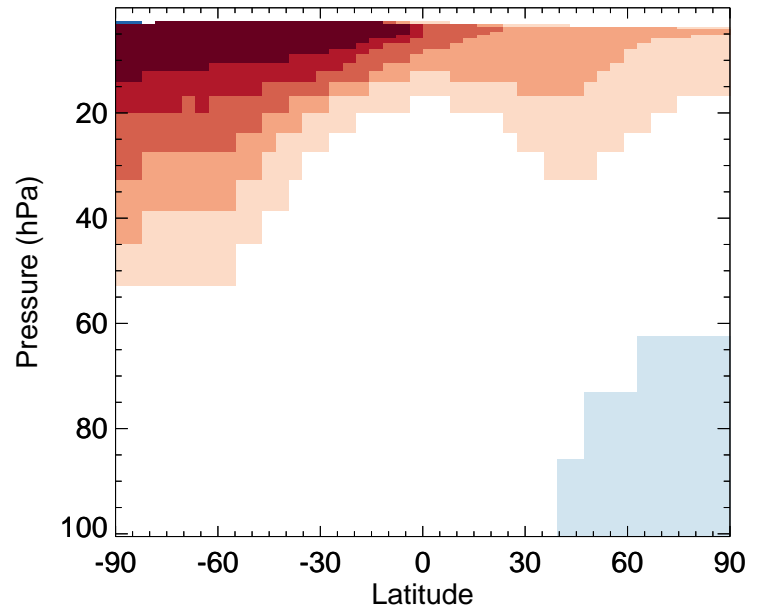
GC\_12.0.0 - v11-02f-Run1

ACET - Strat zonal mean abs diff for Jan



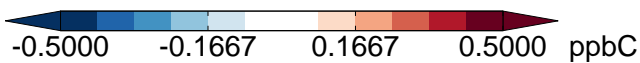
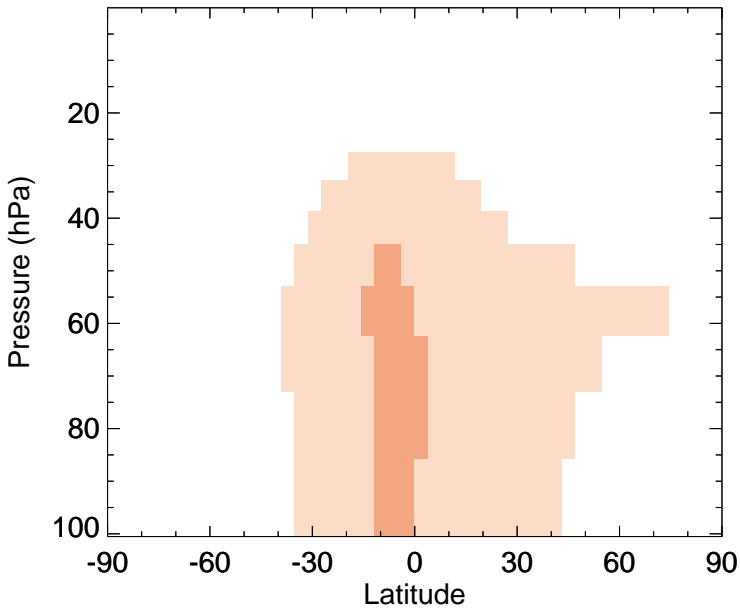
GC\_12.0.0 / v11-02f-Run1

ACET - Strat zonal mean % diff for Jan



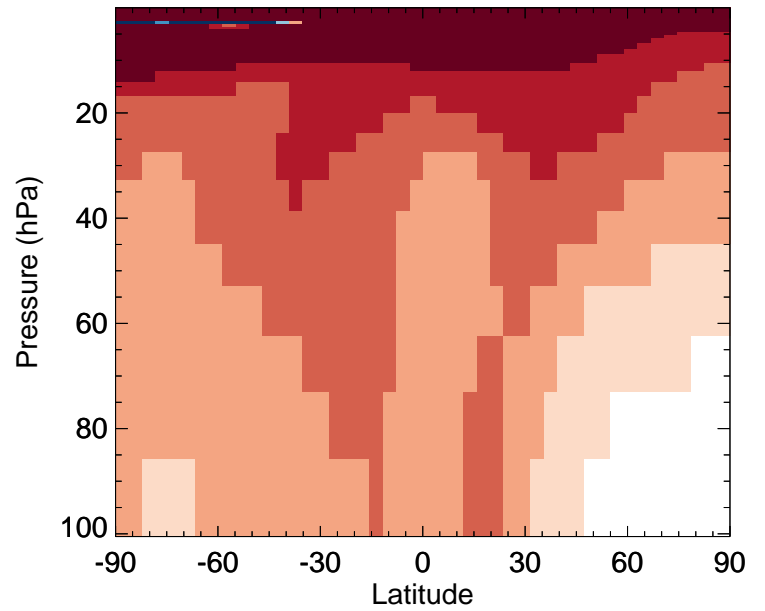
GC\_12.0.0 - v11-02e-Run1

ACET - Strat zonal mean abs diff for Jan



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

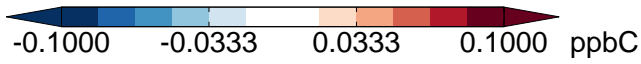
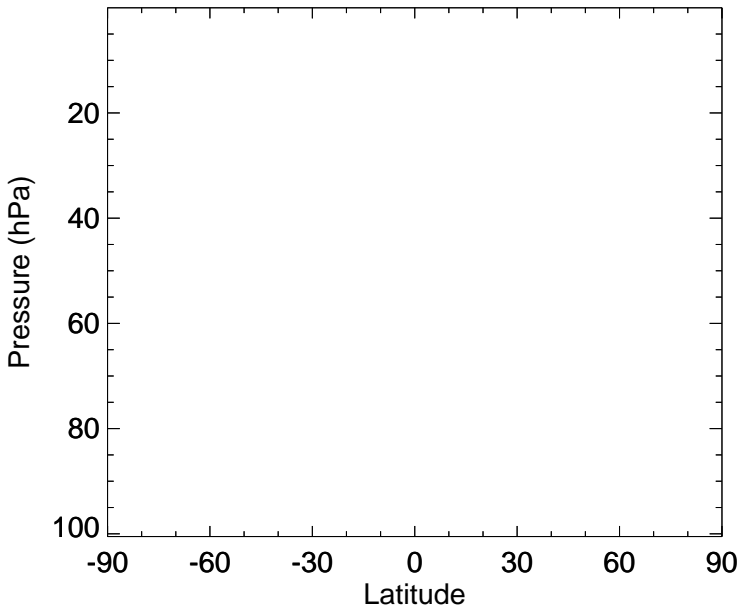
ACET - Strat zonal mean % diff for Jan



GEOS-Chem Stratospheric Zonal Difference Maps

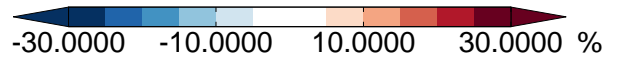
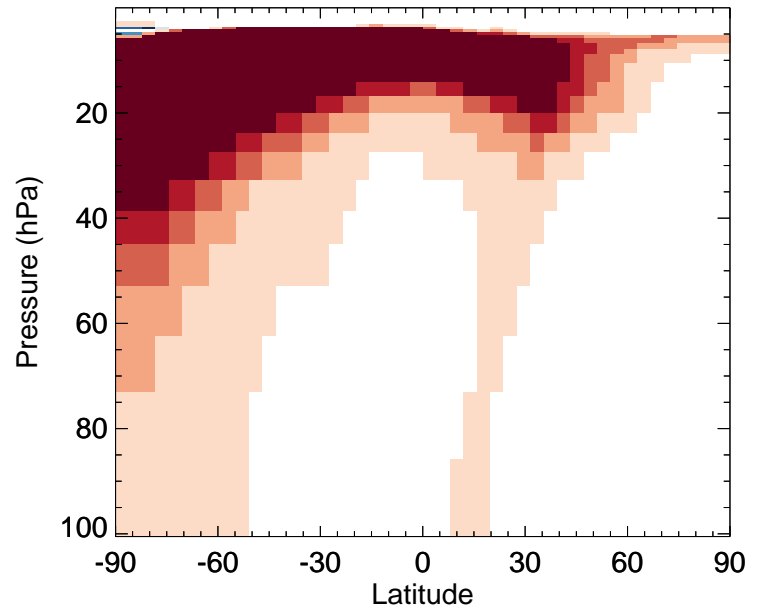
GC\_12.0.0 - v11-02f-Run1

MEK - Strat zonal mean abs diff for Jan



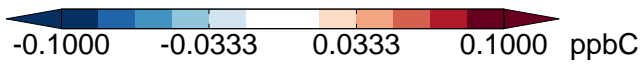
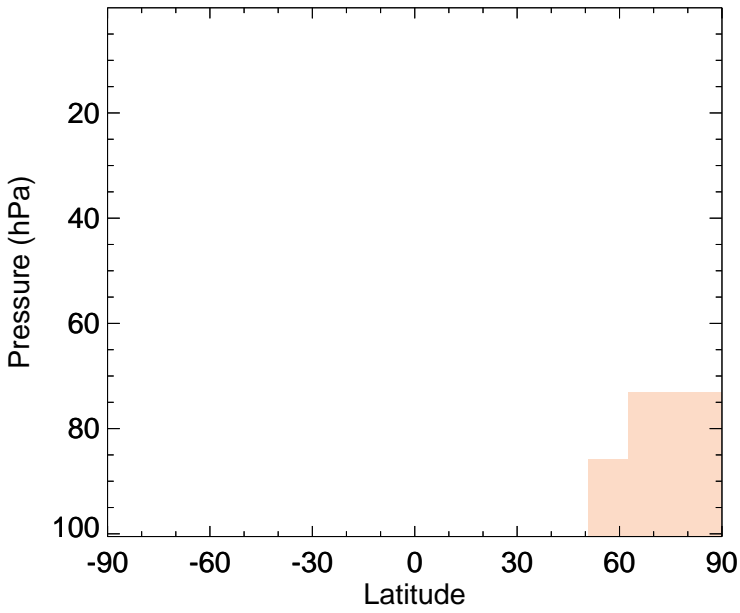
GC\_12.0.0 / v11-02f-Run1

MEK - Strat zonal mean % diff for Jan



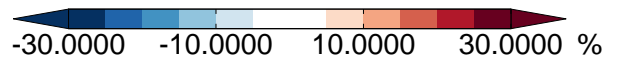
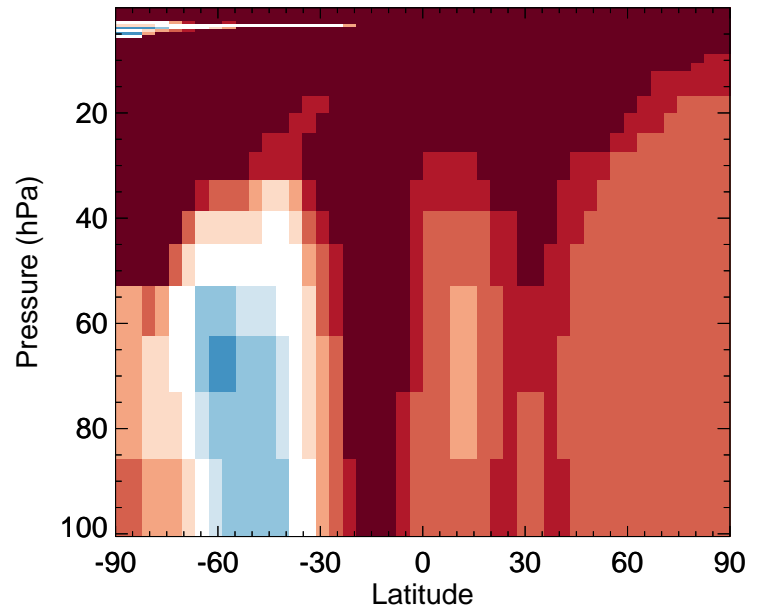
GC\_12.0.0 - v11-02e-Run1

MEK - Strat zonal mean abs diff for Jan



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

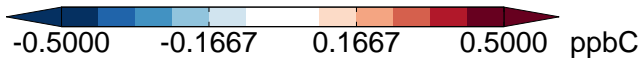
MEK - Strat zonal mean % diff for Jan



# GEOS-Chem Stratospheric Zonal Difference Maps

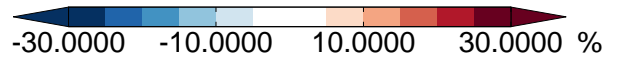
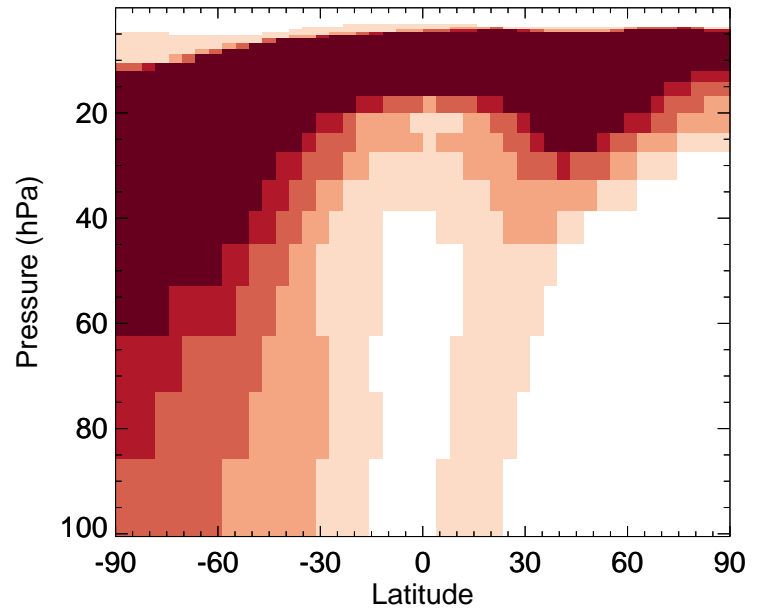
GC\_12.0.0 - v11-02f-Run1

ALD2 - Strat zonal mean abs diff for Jan



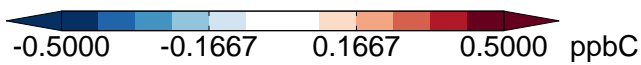
GC\_12.0.0 / v11-02f-Run1

ALD2 - Strat zonal mean % diff for Jan



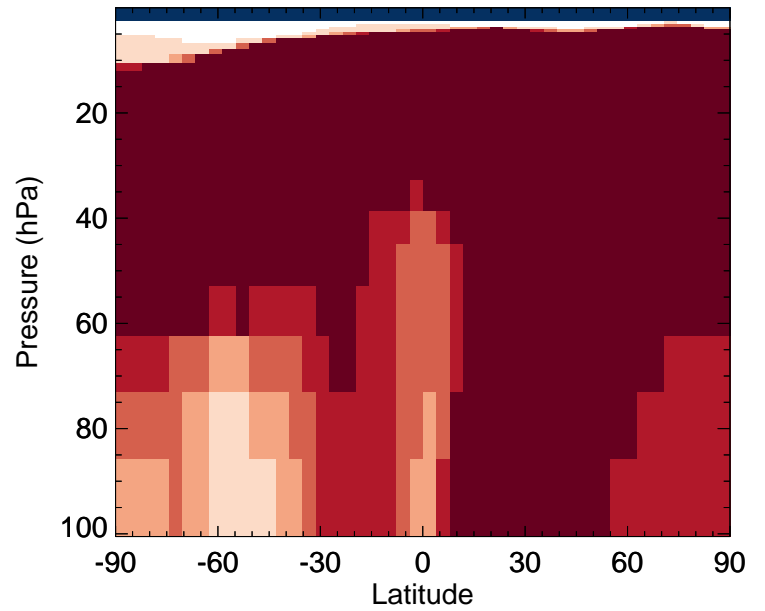
GC\_12.0.0 - v11-02e-Run1

ALD2 - Strat zonal mean abs diff for Jan



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

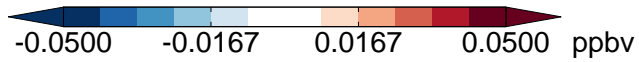
ALD2 - Strat zonal mean % diff for Jan



GEOS-Chem Stratospheric Zonal Difference Maps

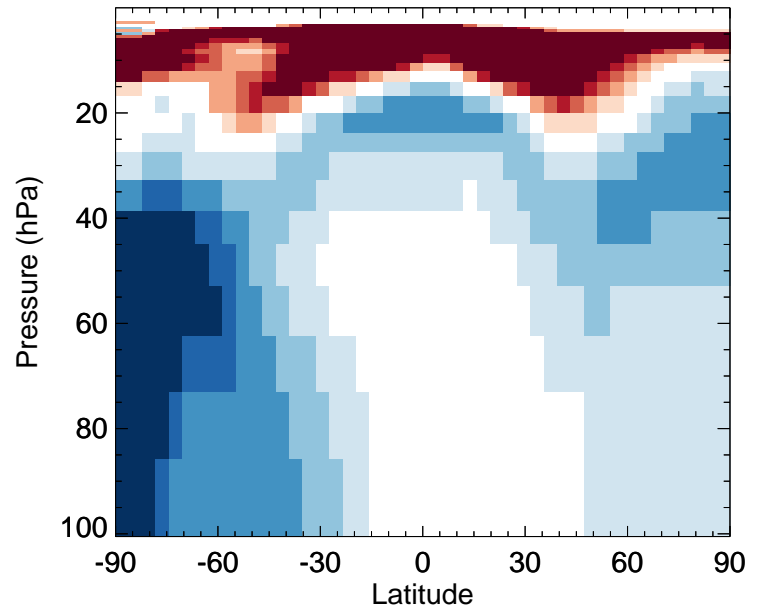
GC\_12.0.0 - v11-02f-Run1

RCHO - Strat zonal mean abs diff for Jan



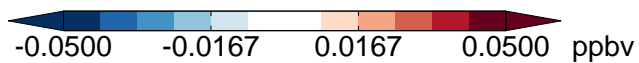
GC\_12.0.0 / v11-02f-Run1

RCHO - Strat zonal mean % diff for Jan



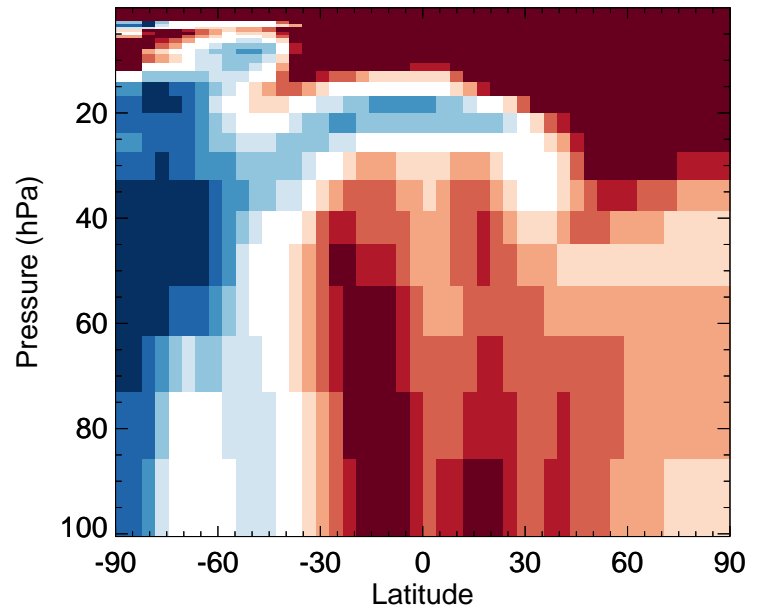
GC\_12.0.0 - v11-02e-Run1

RCHO - Strat zonal mean abs diff for Jan



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

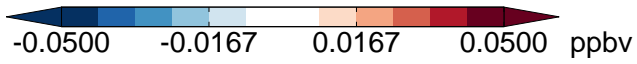
RCHO - Strat zonal mean % diff for Jan



# GEOS-Chem Stratospheric Zonal Difference Maps

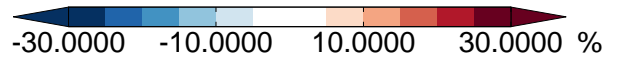
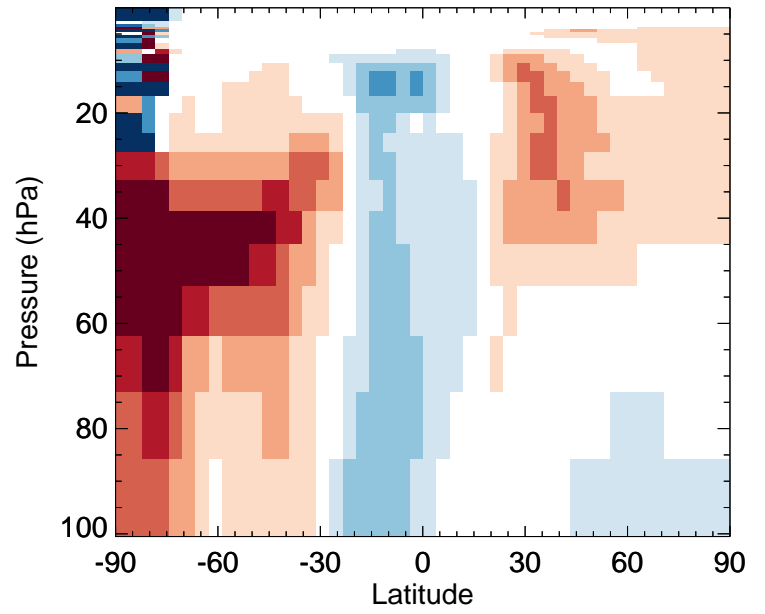
GC\_12.0.0 - v11-02f-Run1

MVK - Strat zonal mean abs diff for Jan



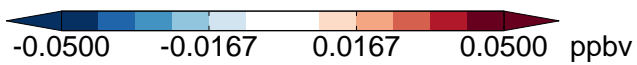
GC\_12.0.0 / v11-02f-Run1

MVK - Strat zonal mean % diff for Jan



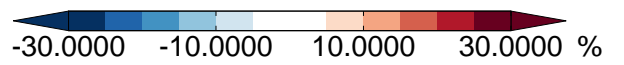
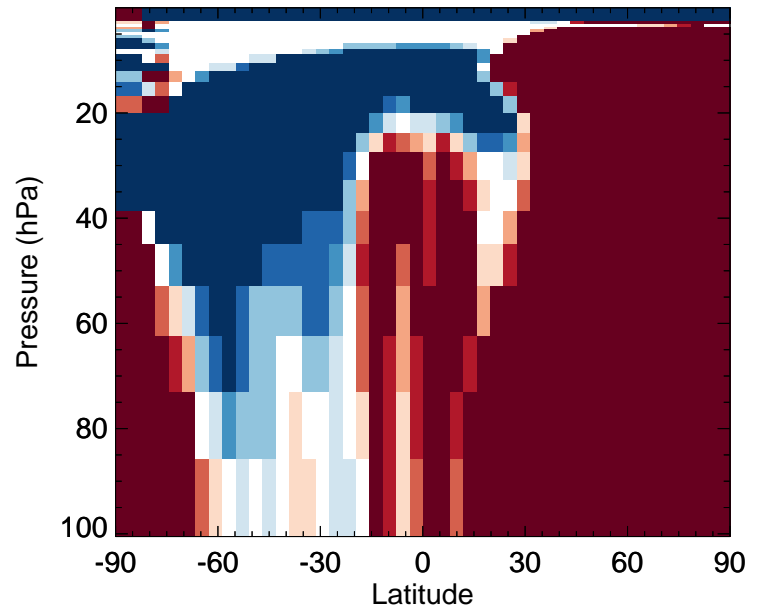
GC\_12.0.0 - v11-02e-Run1

MVK - Strat zonal mean abs diff for Jan



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

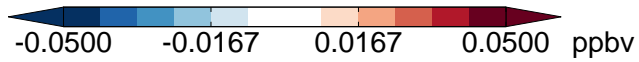
MVK - Strat zonal mean % diff for Jan



# GEOS-Chem Stratospheric Zonal Difference Maps

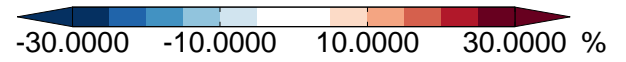
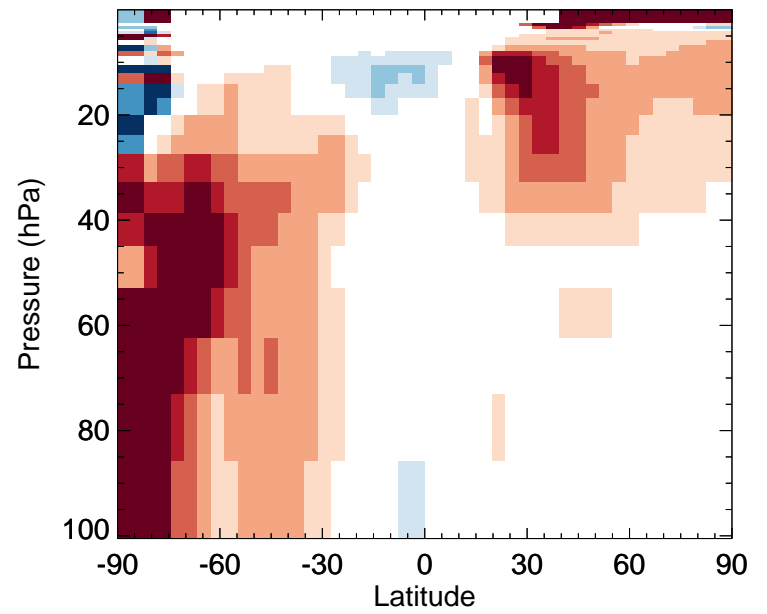
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MACR - Strat zonal mean abs diff for Jan



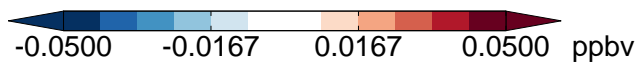
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MACR - Strat zonal mean % diff for Jan



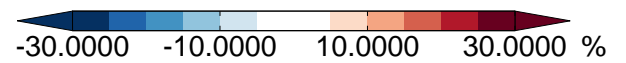
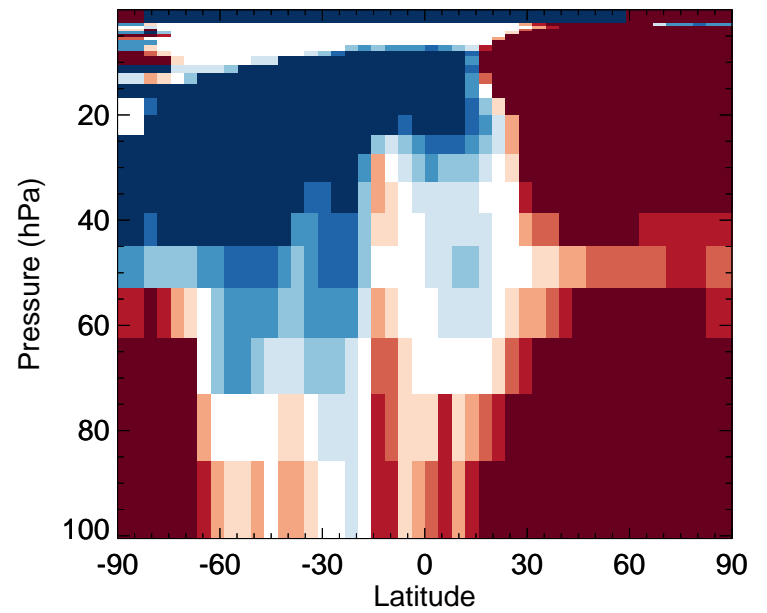
## GC\_12.0.0 - v11-02e-Run1

MACR - Strat zonal mean abs diff for Jan



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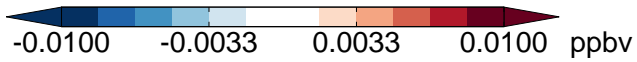
MACR - Strat zonal mean % diff for Jan



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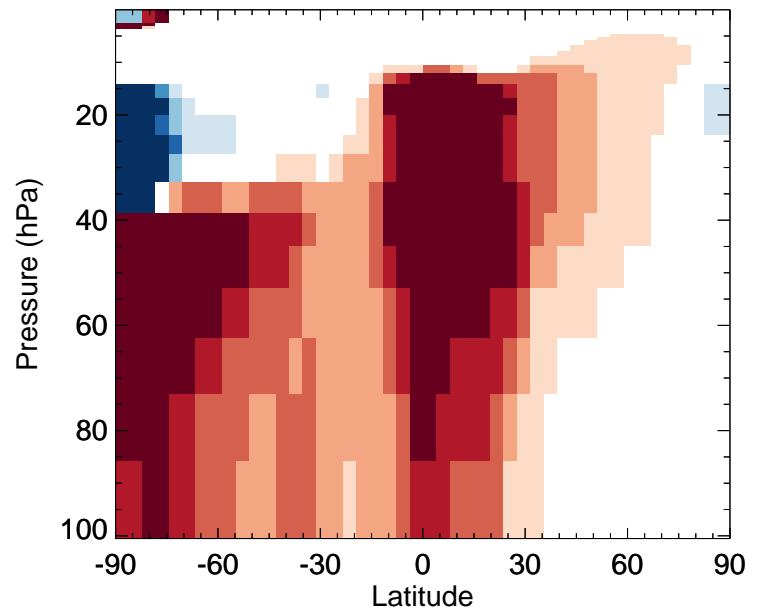
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NPMN - Strat zonal mean abs diff for Jan



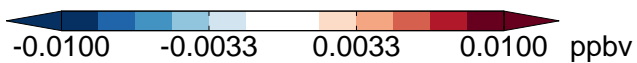
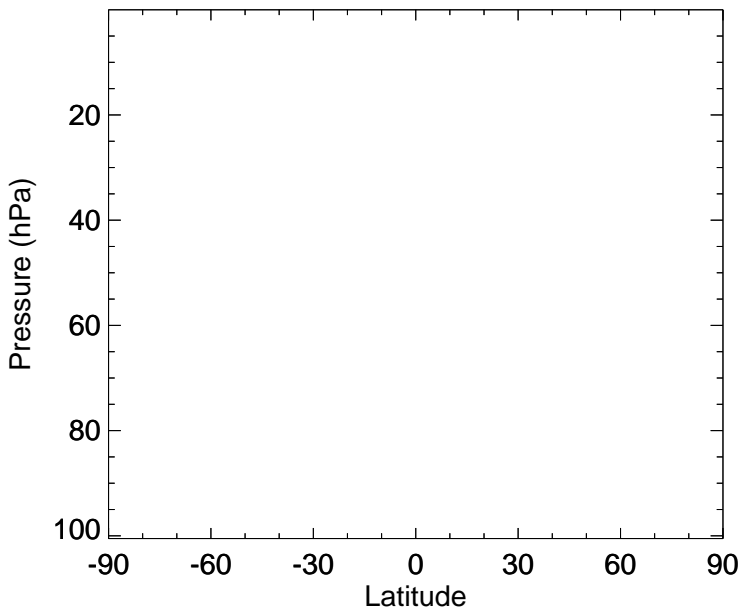
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NPMN - Strat zonal mean % diff for Jan



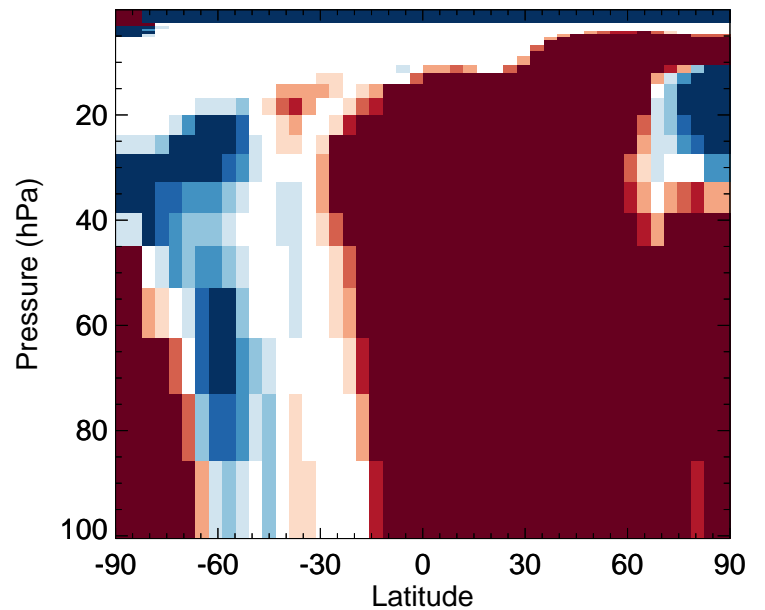
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NPMN - Strat zonal mean abs diff for Jan



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

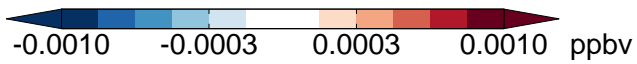
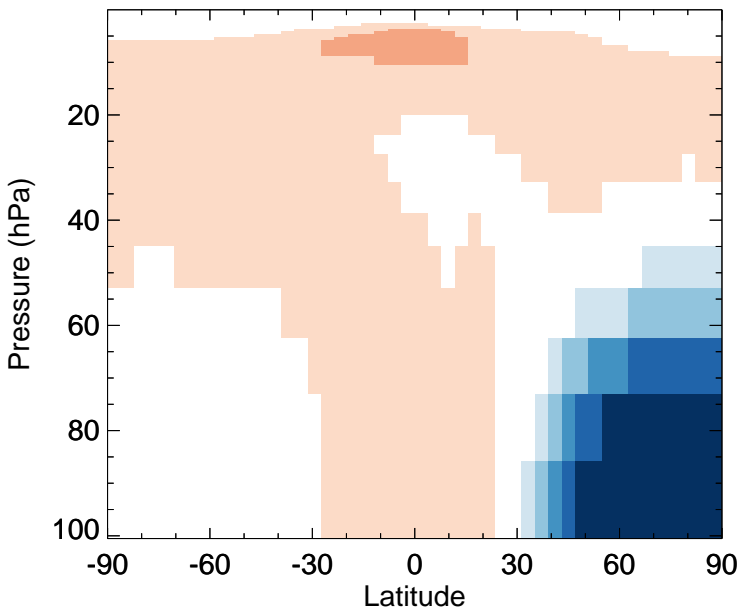
NPMN - Strat zonal mean % diff for Jan



# GEOS-Chem Stratospheric Zonal Difference Maps

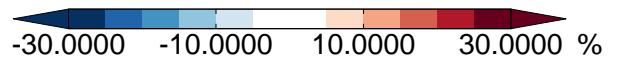
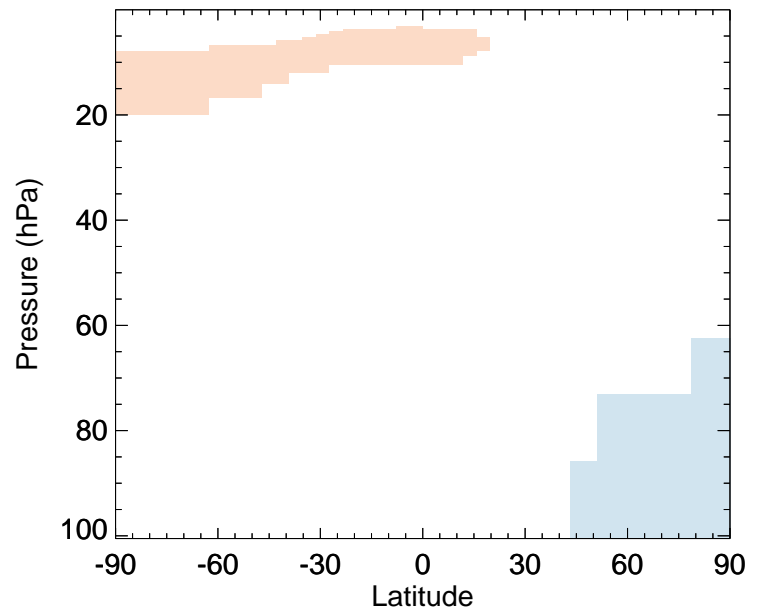
## GC\_12.0.0 - v11-02f-Run1

PPN - Strat zonal mean abs diff for Jan



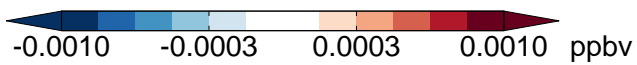
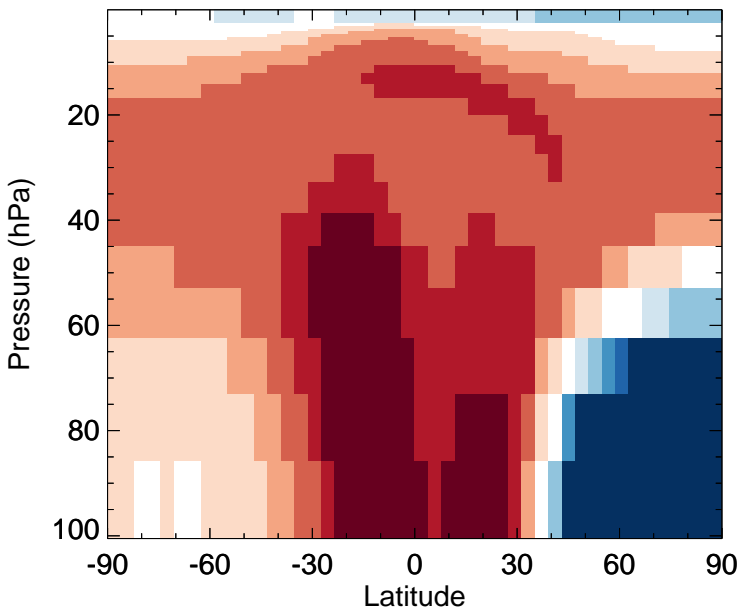
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PPN - Strat zonal mean % diff for Jan



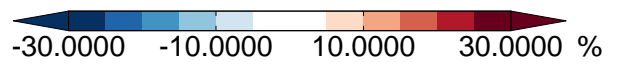
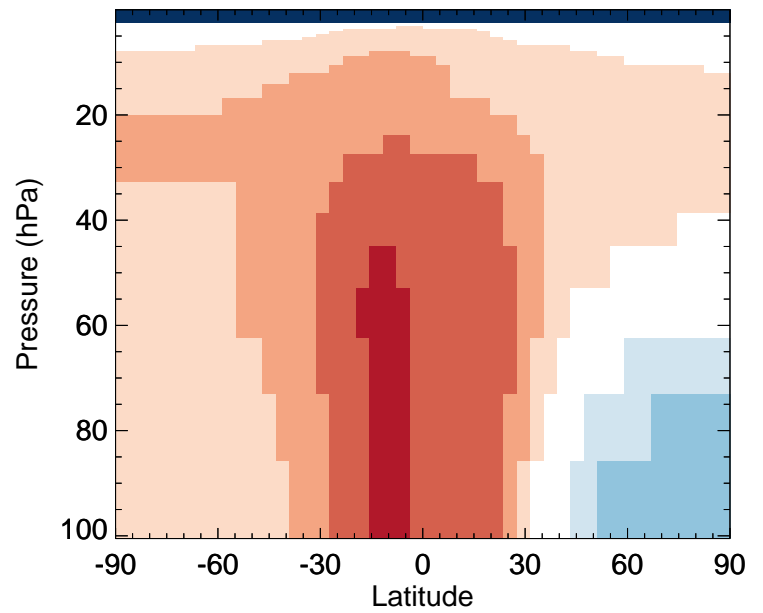
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PPN - Strat zonal mean abs diff for Jan



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

PPN - Strat zonal mean % diff for Jan

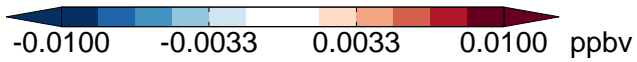




GEOS-Chem Stratospheric Zonal Difference Maps

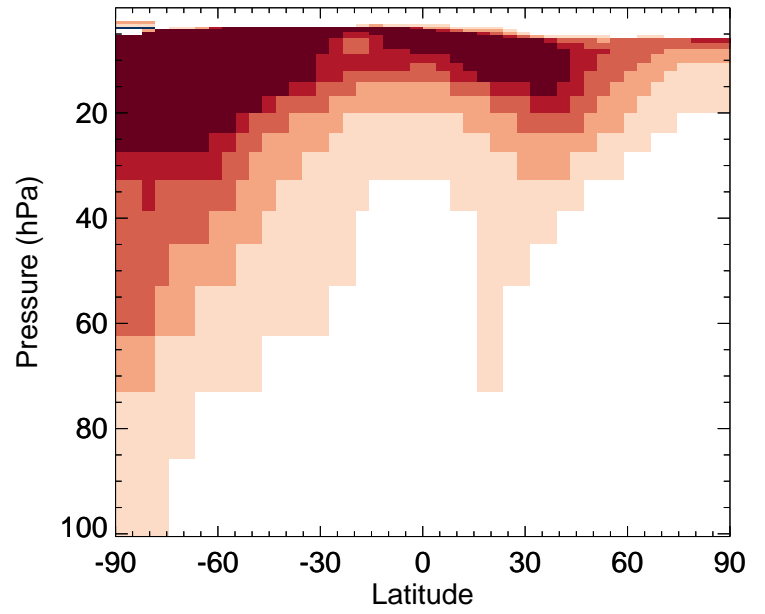
GC\_12.0.0 - v11-02f-Run1

R4N2 - Strat zonal mean abs diff for Jan



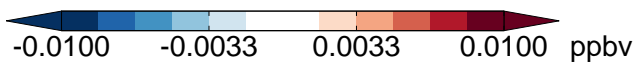
GC\_12.0.0 / v11-02f-Run1

R4N2 - Strat zonal mean % diff for Jan



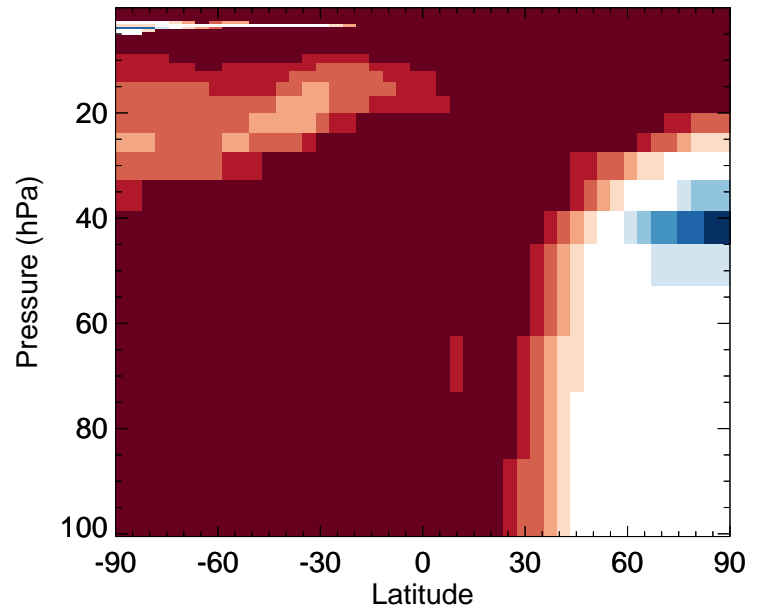
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R4N2 - Strat zonal mean abs diff for Jan



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

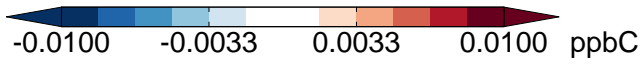
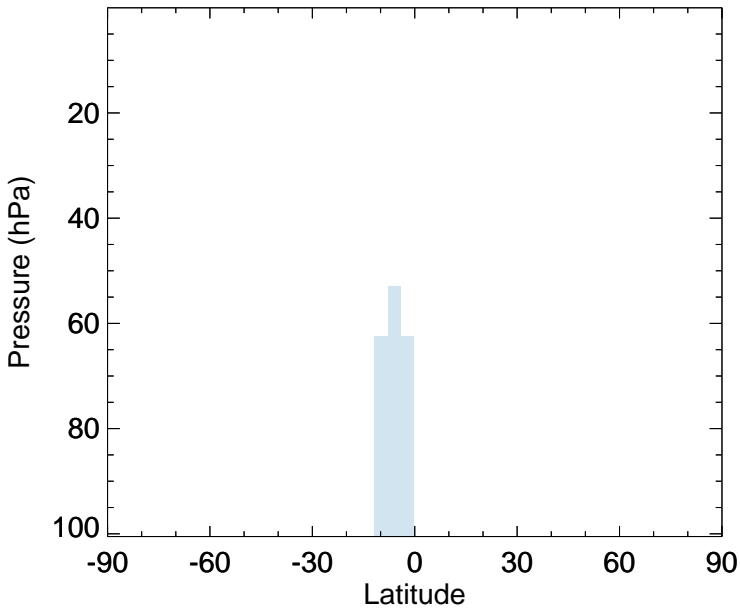
R4N2 - Strat zonal mean % diff for Jan



GEOS-Chem Stratospheric Zonal Difference Maps

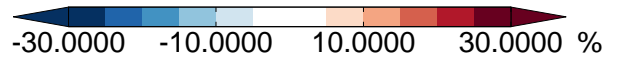
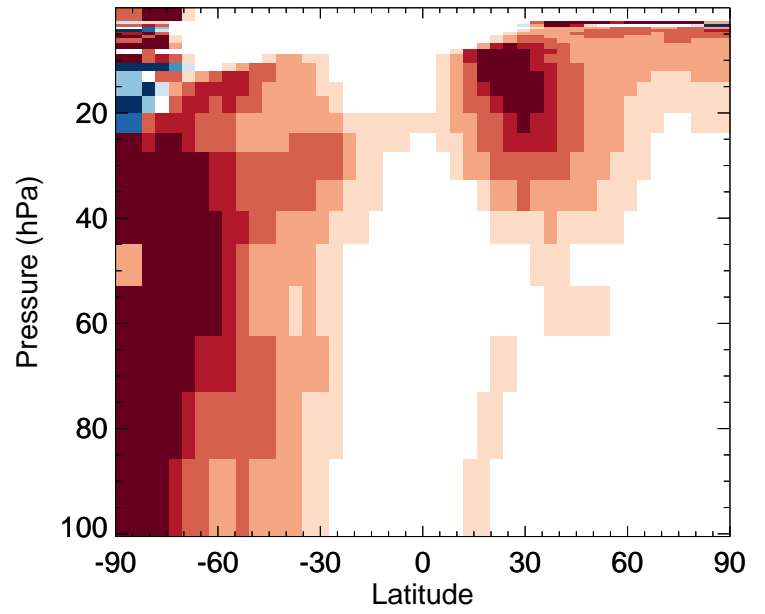
GC\_12.0.0 - v11-02f-Run1

PRPE - Strat zonal mean abs diff for Jan



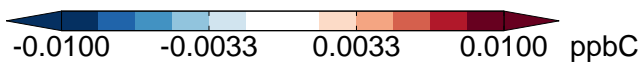
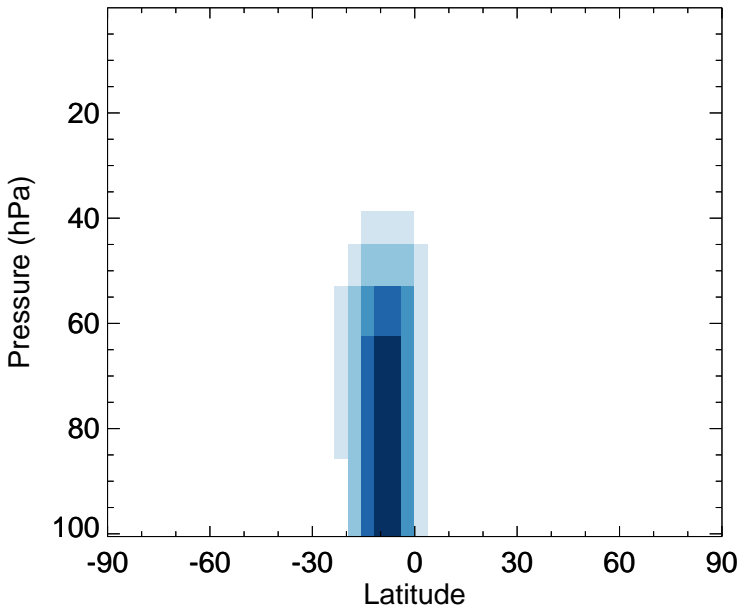
GC\_12.0.0 / v11-02f-Run1

PRPE - Strat zonal mean % diff for Jan



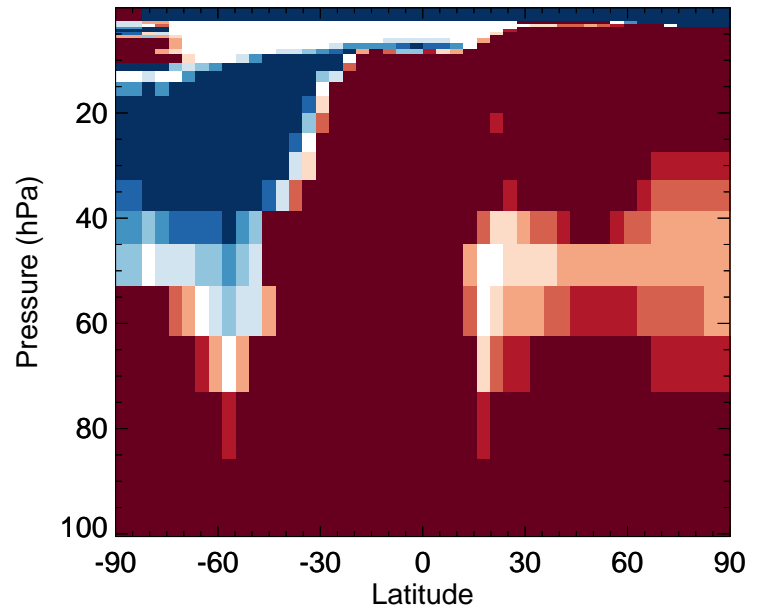
GC\_12.0.0 - v11-02e-Run1

PRPE - Strat zonal mean abs diff for Jan



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

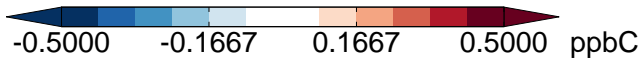
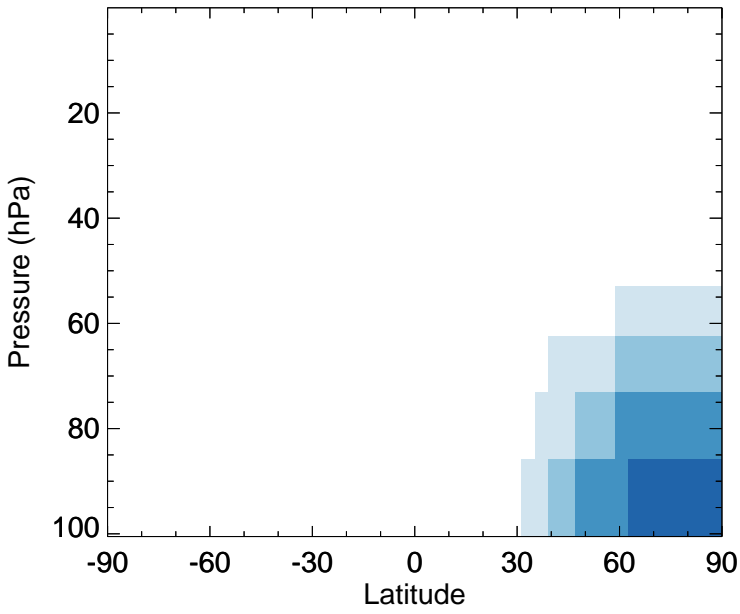
PRPE - Strat zonal mean % diff for Jan



GEOS-Chem Stratospheric Zonal Difference Maps

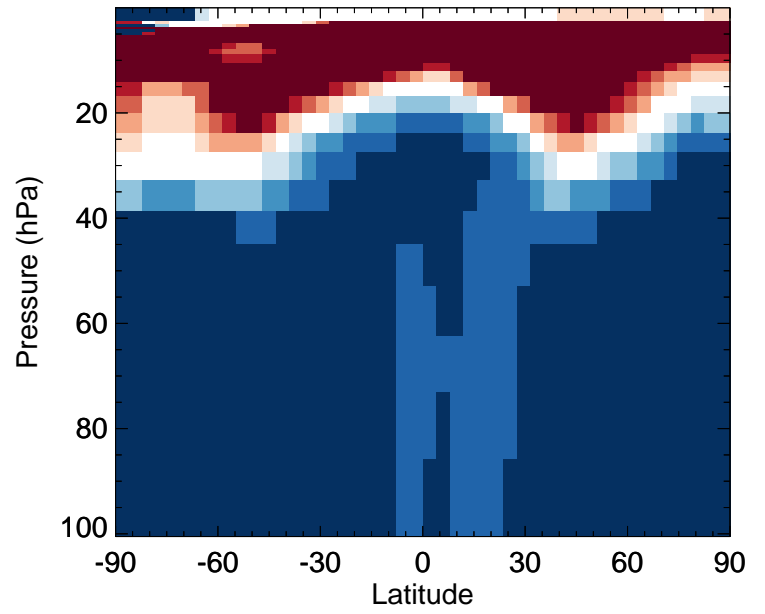
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C3H8 - Strat zonal mean abs diff for Jan



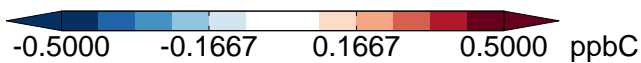
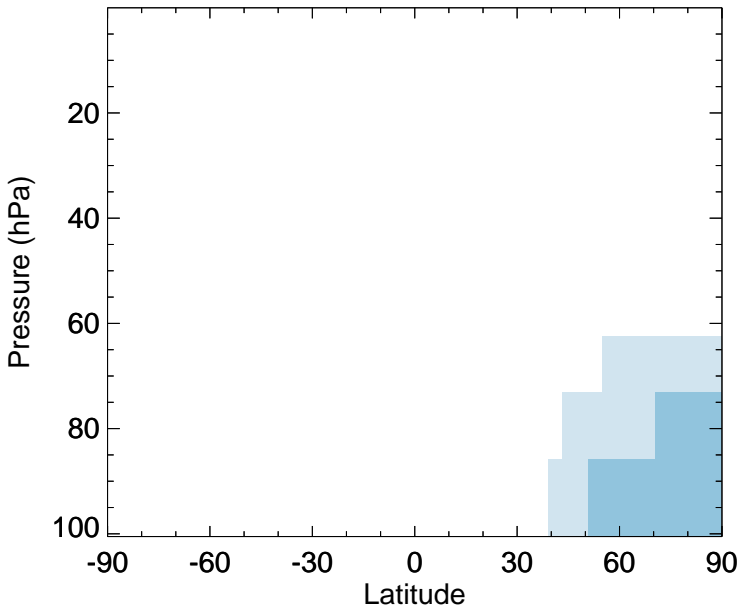
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C3H8 - Strat zonal mean % diff for Jan



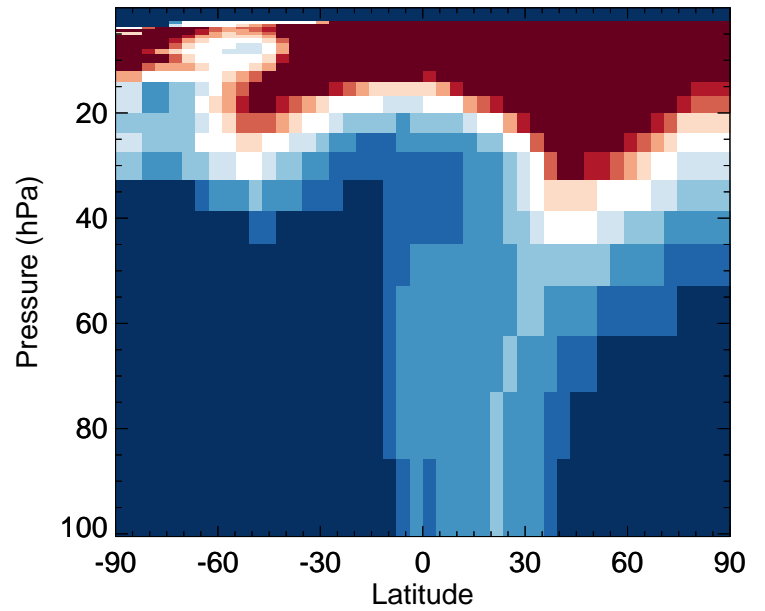
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C3H8 - Strat zonal mean abs diff for Jan



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

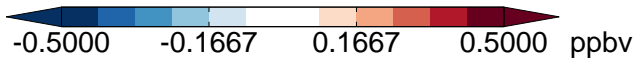
C3H8 - Strat zonal mean % diff for Jan



GEOS-Chem Stratospheric Zonal Difference Maps

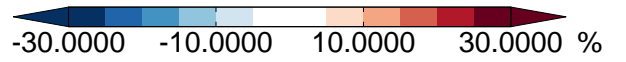
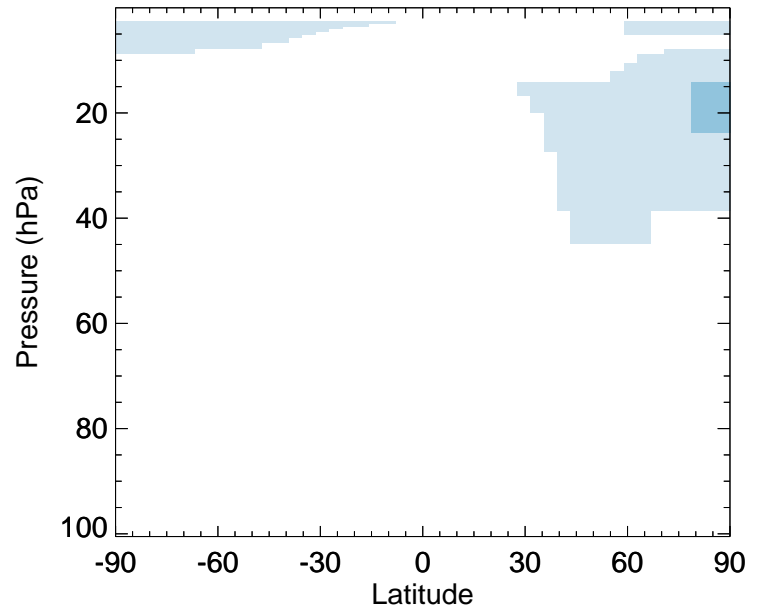
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CH2O - Strat zonal mean abs diff for Jan



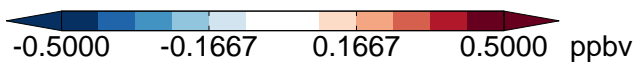
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CH2O - Strat zonal mean % diff for Jan



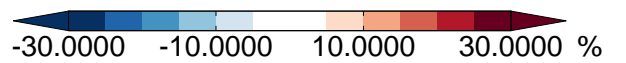
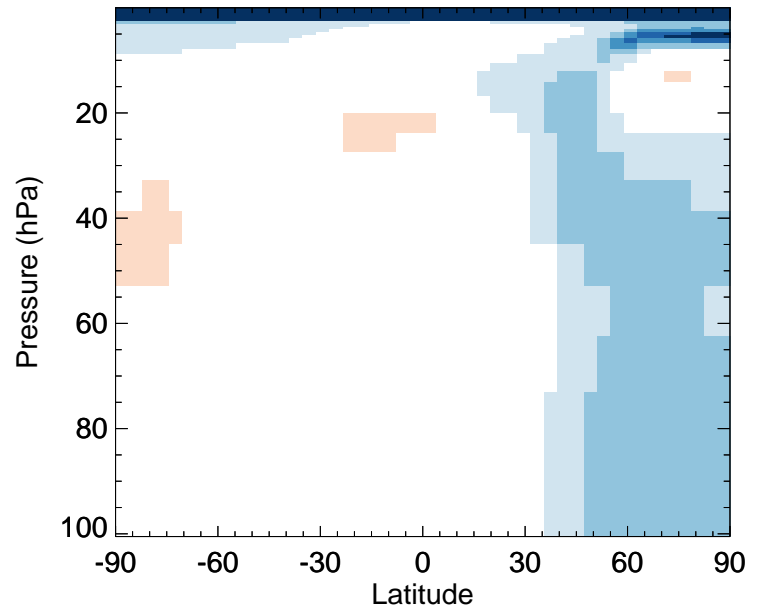
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CH2O - Strat zonal mean abs diff for Jan



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

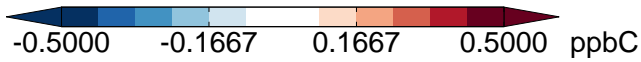
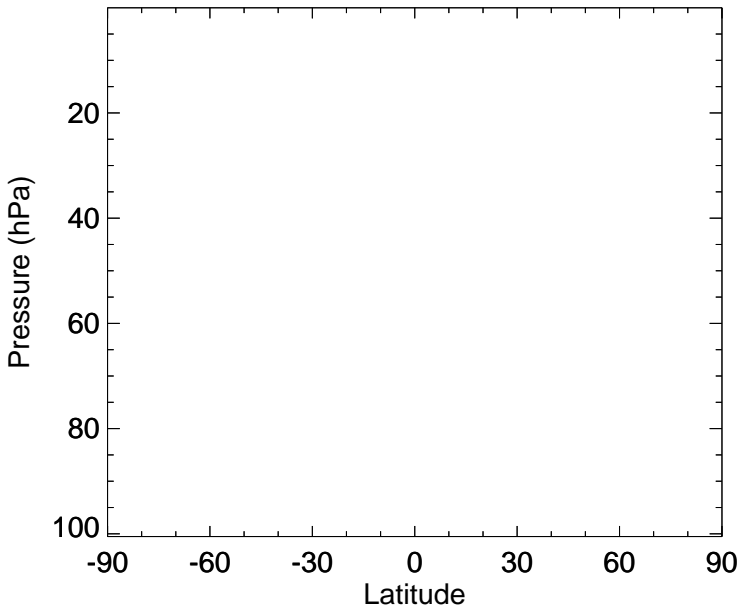
CH2O - Strat zonal mean % diff for Jan



GEOS-Chem Stratospheric Zonal Difference Maps

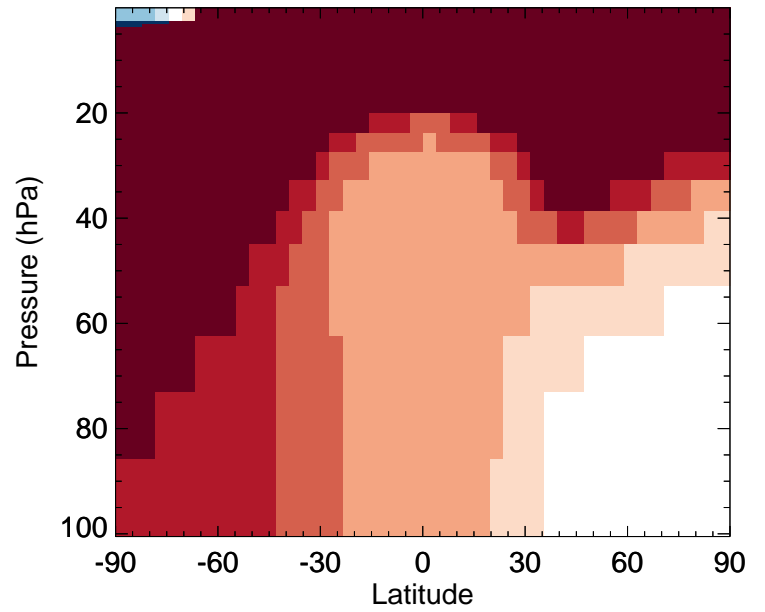
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C2H6 - Strat zonal mean abs diff for Jan



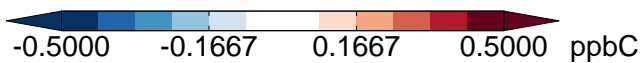
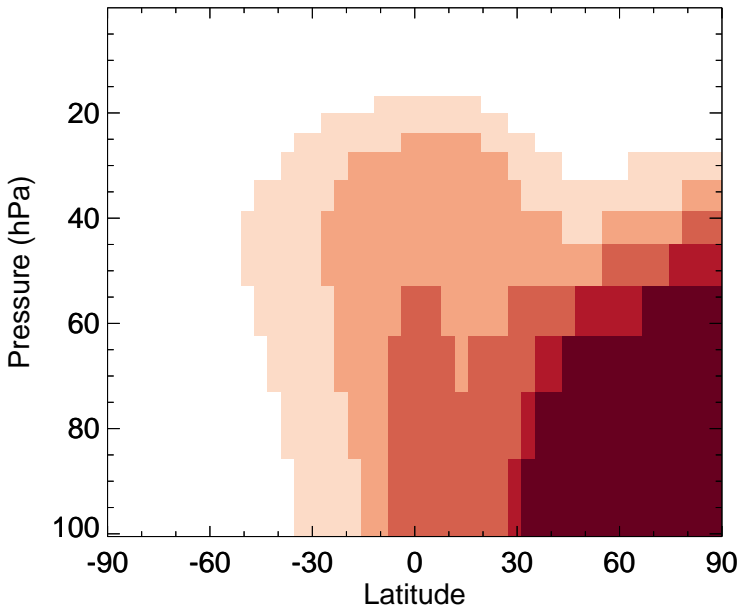
GC\_12.0.0 / v11-02f-Run1

C2H6 - Strat zonal mean % diff for Jan



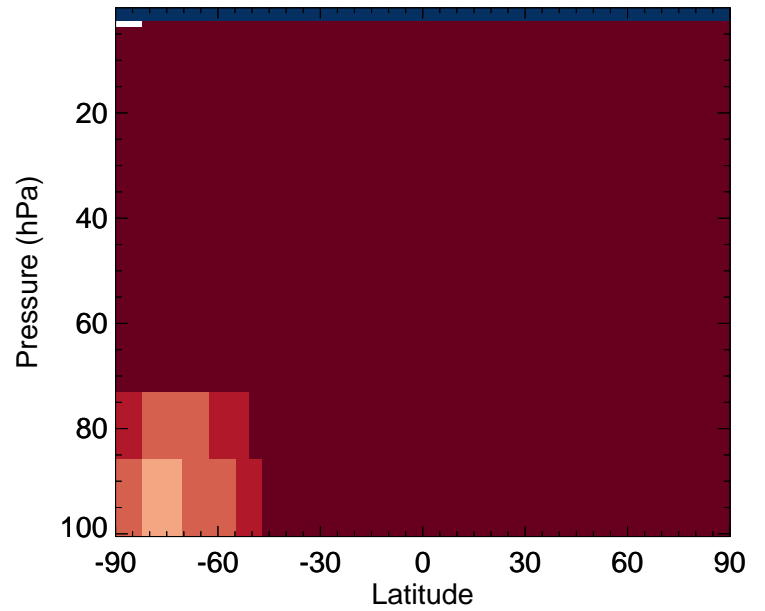
GC\_12.0.0 - v11-02e-Run1

C2H6 - Strat zonal mean abs diff for Jan



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

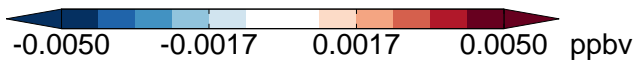
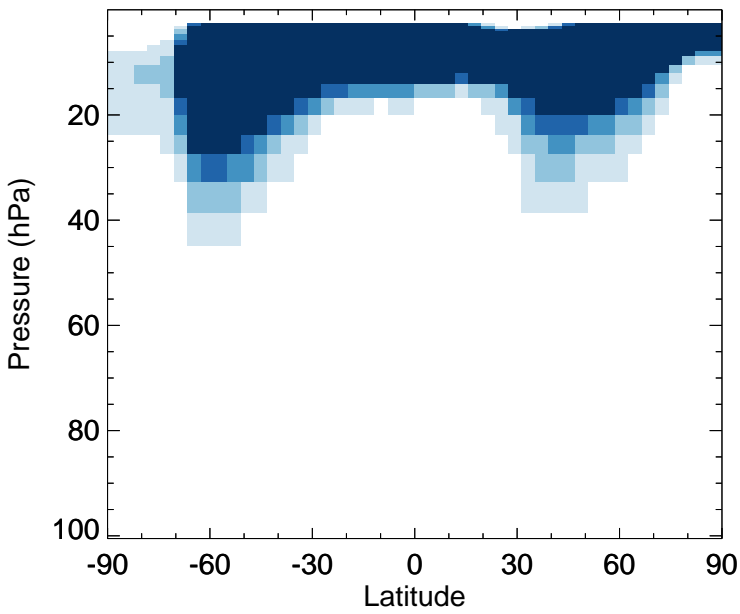
C2H6 - Strat zonal mean % diff for Jan



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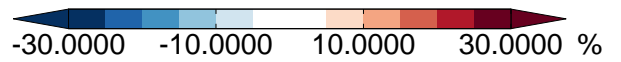
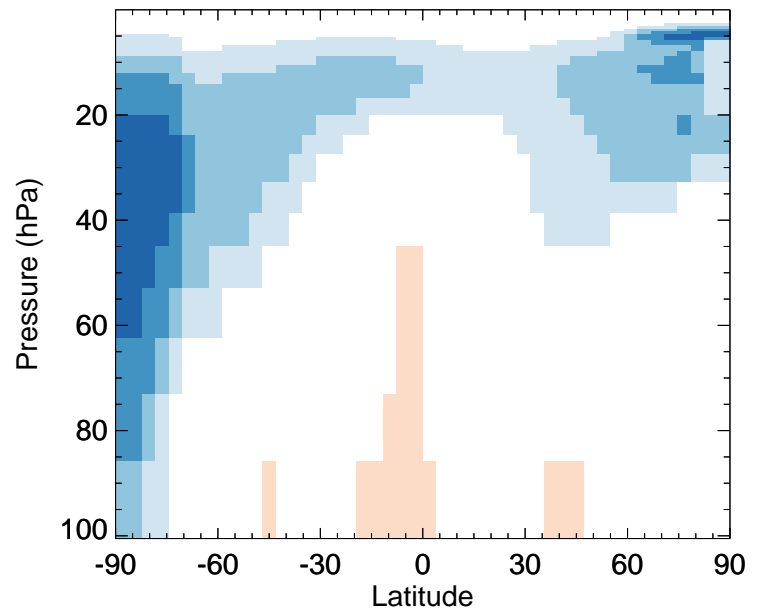
## GC\_12.0.0 - v11-02f-Run1

N2O5 - Strat zonal mean abs diff for Jan



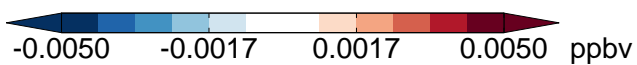
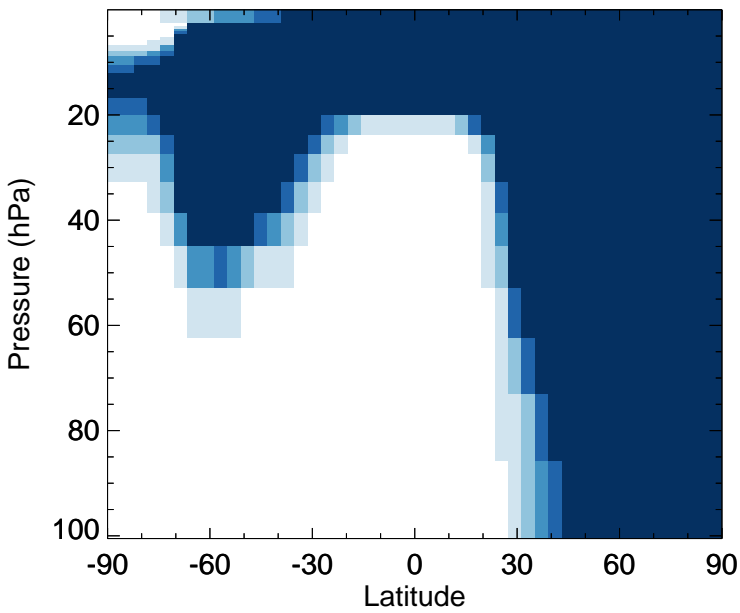
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N2O5 - Strat zonal mean % diff for Jan



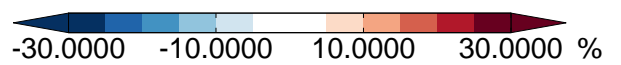
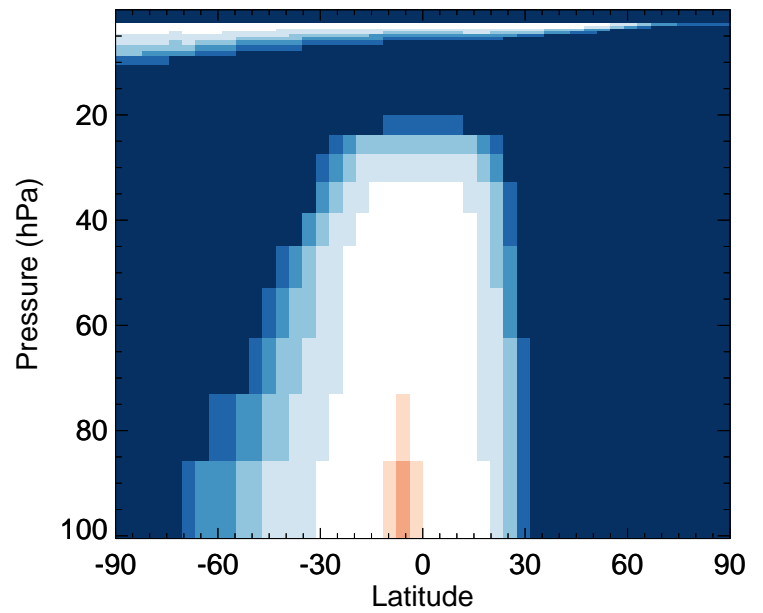
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N2O5 - Strat zonal mean abs diff for Jan



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

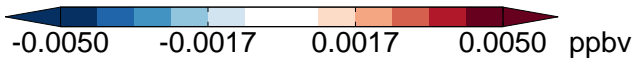
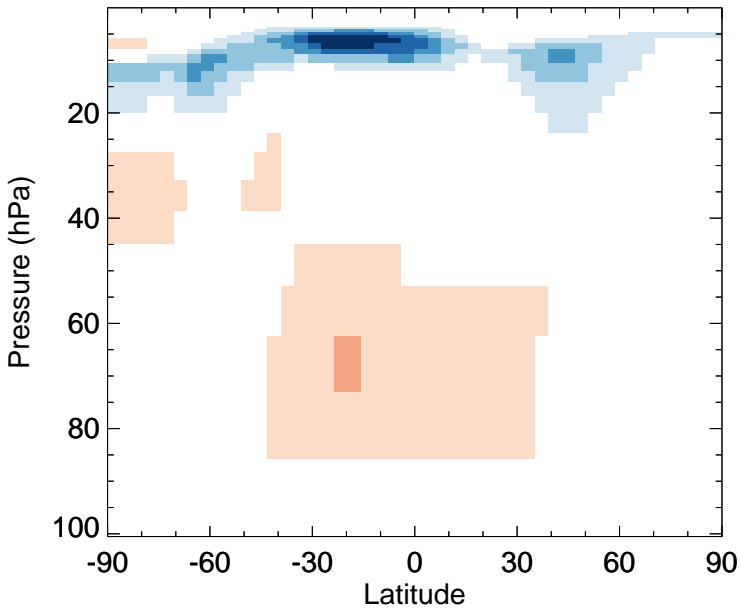
N2O5 - Strat zonal mean % diff for Jan



GEOS-Chem Stratospheric Zonal Difference Maps

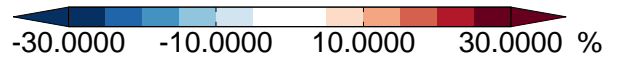
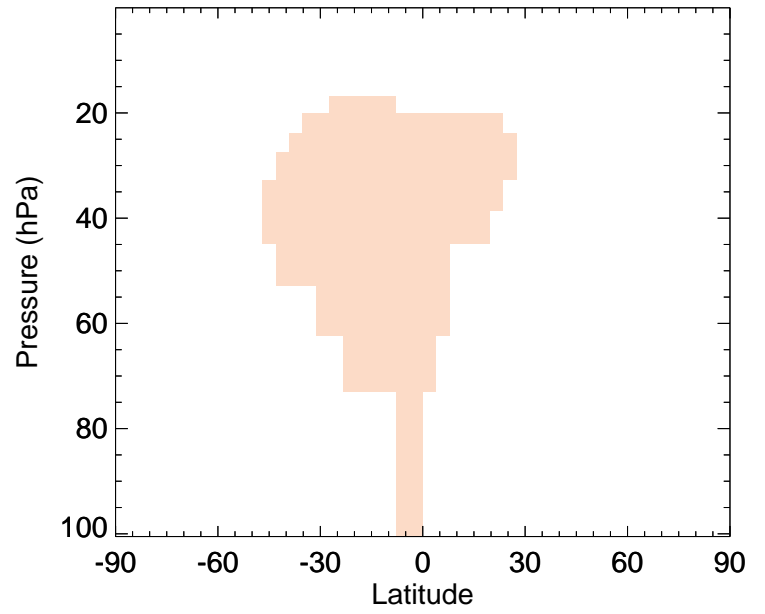
GC\_12.0.0 - v11-02f-Run1

HNO4 - Strat zonal mean abs diff for Jan



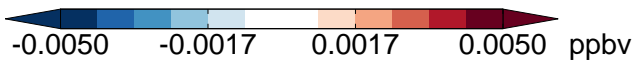
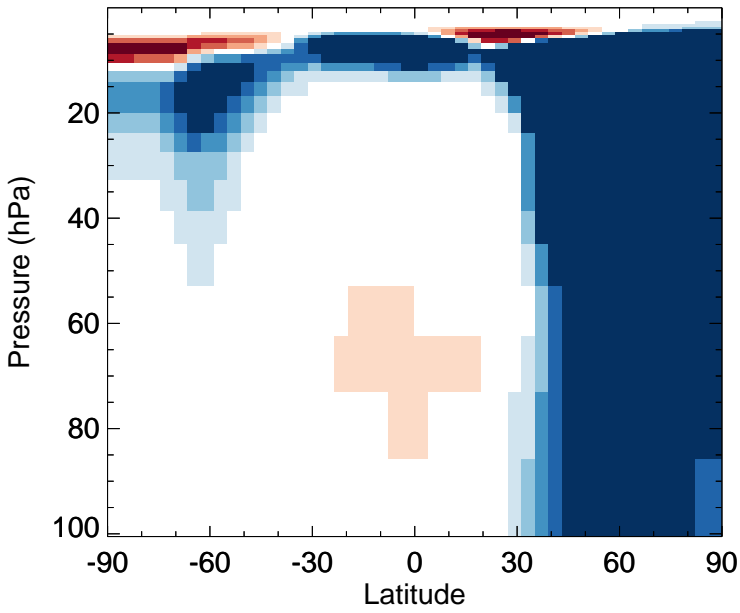
GC\_12.0.0 / v11-02f-Run1

HNO4 - Strat zonal mean % diff for Jan



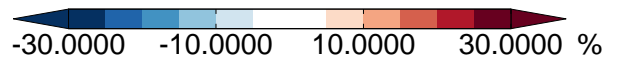
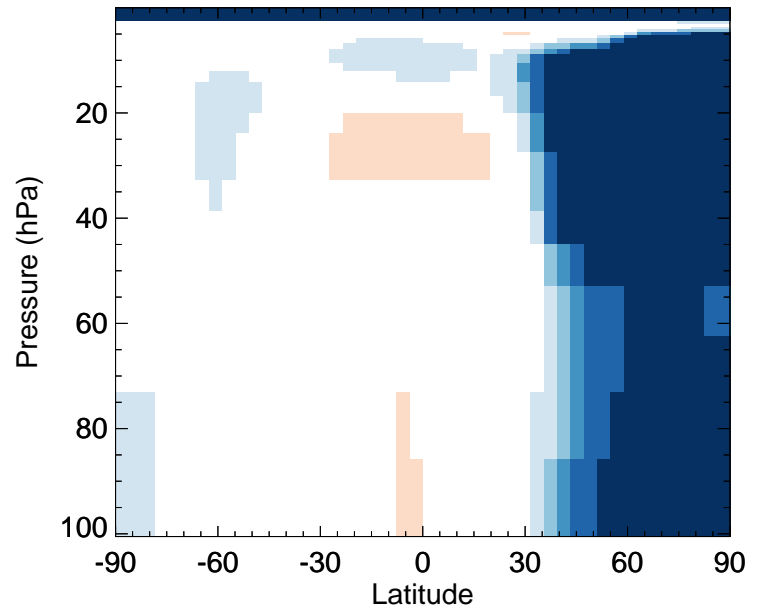
GC\_12.0.0 - v11-02e-Run1

HNO4 - Strat zonal mean abs diff for Jan



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

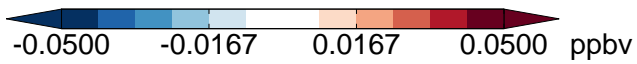
HNO4 - Strat zonal mean % diff for Jan



# GEOS-Chem Stratospheric Zonal Difference Maps

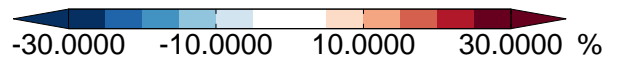
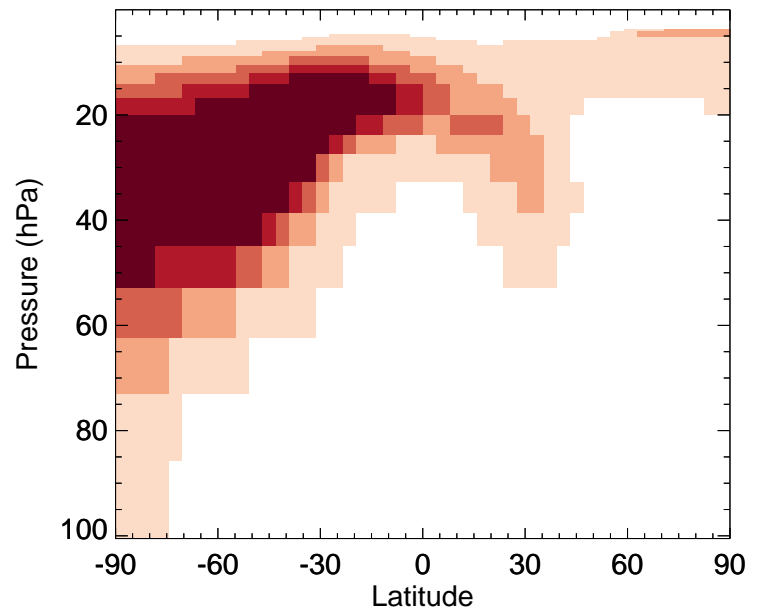
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MP - Strat zonal mean abs diff for Jan



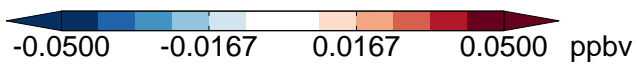
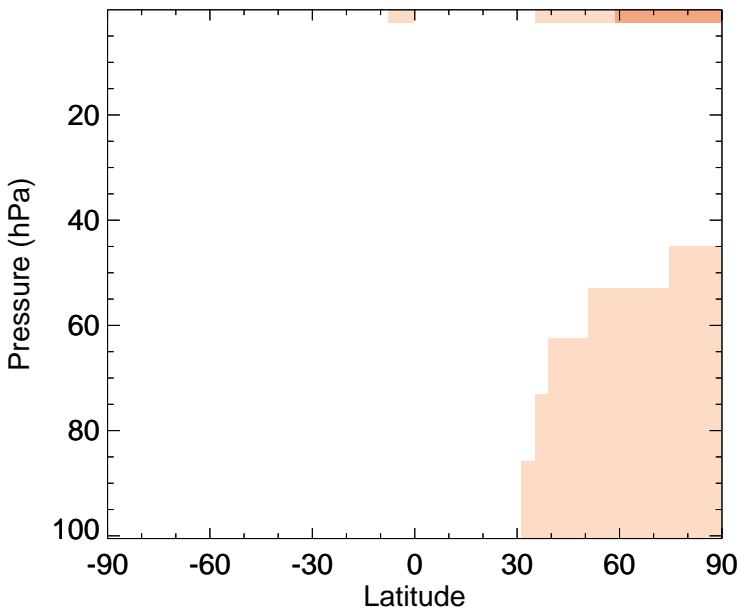
GC\_12.0.0 / v11-02f-Run1

MP - Strat zonal mean % diff for Jan



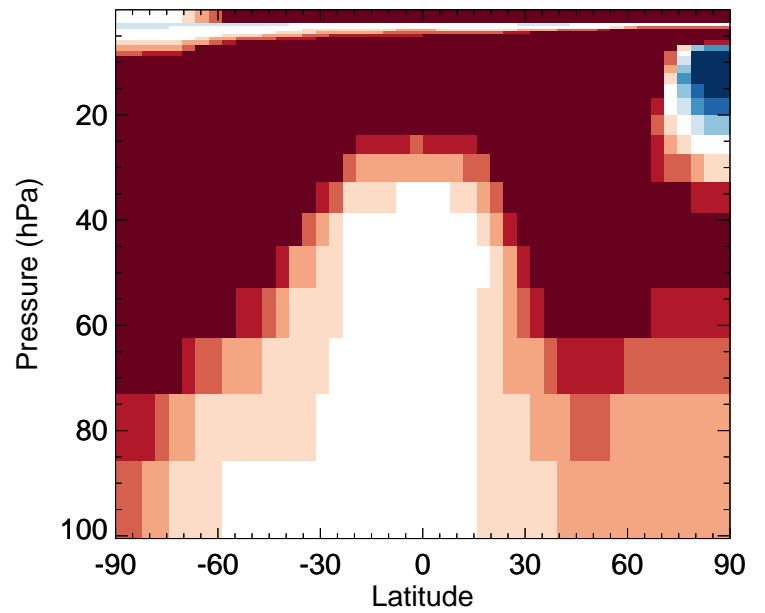
GC\_12.0.0 - v11-02e-Run1

MP - Strat zonal mean abs diff for Jan



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

MP - Strat zonal mean % diff for Jan

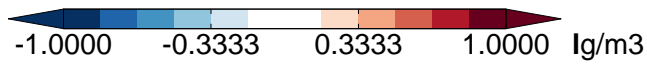




# GEOS-Chem Stratospheric Zonal Difference Maps

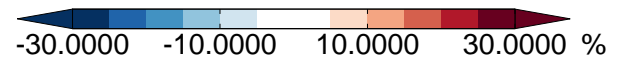
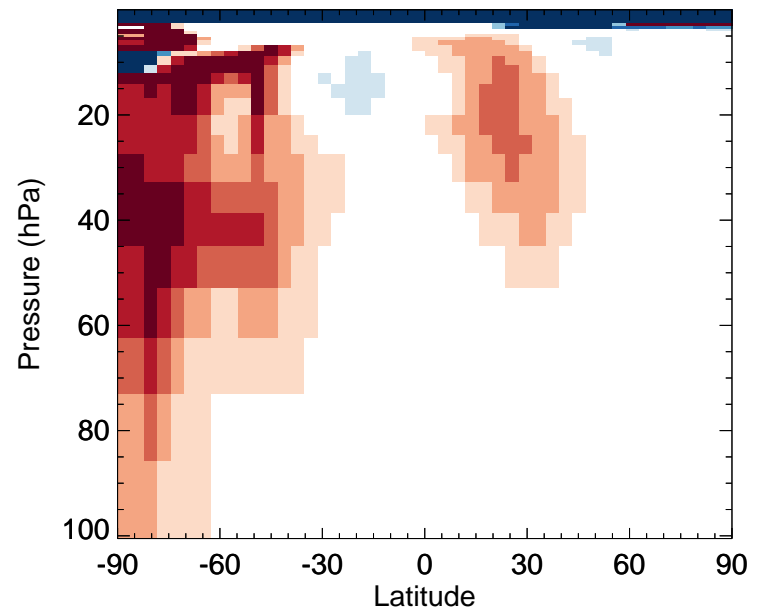
GC\_12.0.0 - v11-02f-Run1

DMS - Strat zonal mean abs diff for Jan



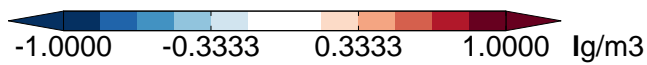
GC\_12.0.0 / v11-02f-Run1

DMS - Strat zonal mean % diff for Jan



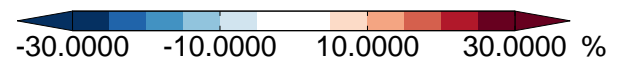
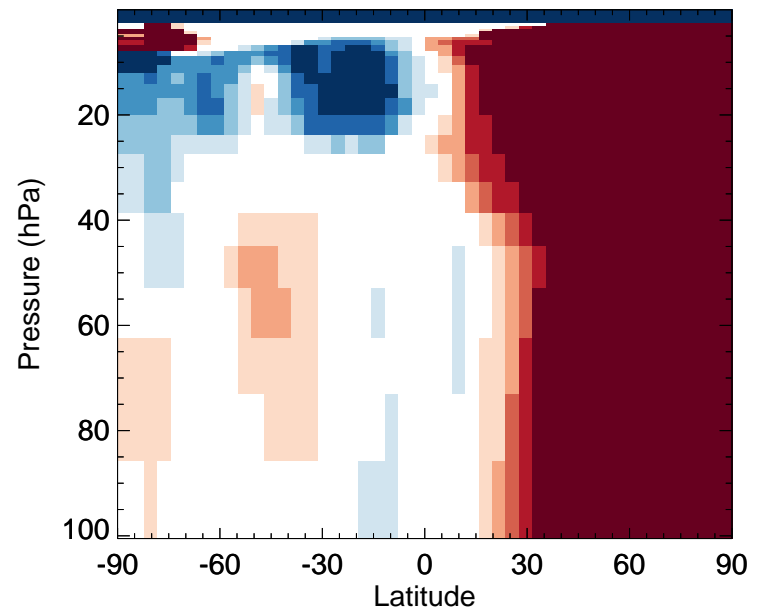
GC\_12.0.0 - v11-02e-Run1

DMS - Strat zonal mean abs diff for Jan



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

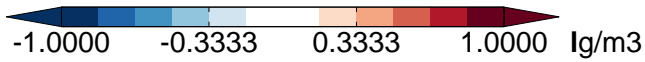
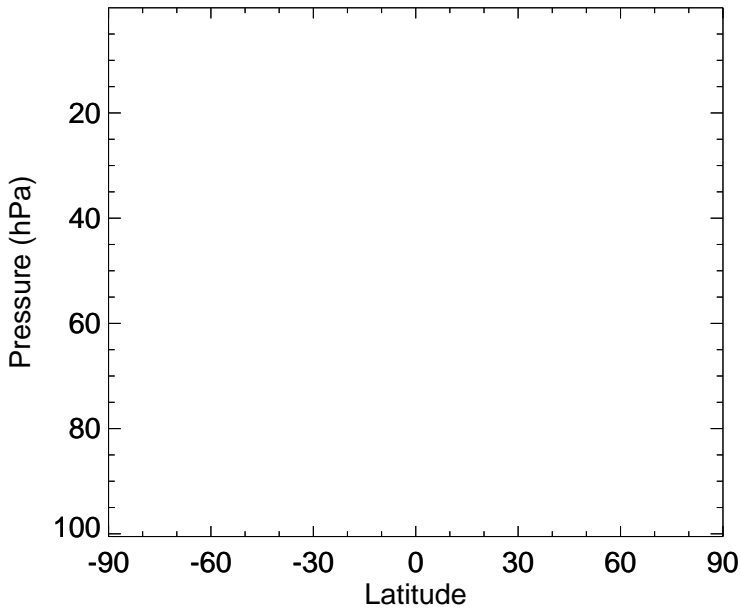
DMS - Strat zonal mean % diff for Jan



GEOS-Chem Stratospheric Zonal Difference Maps

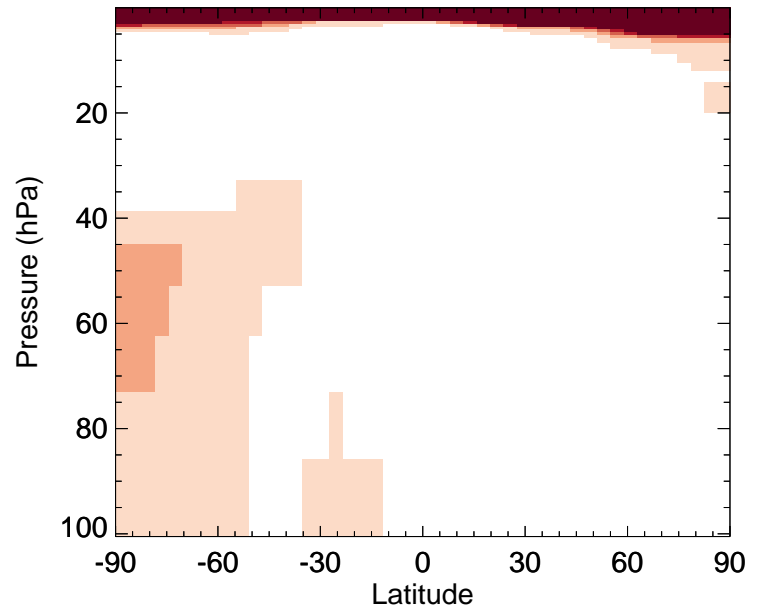
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SO2 - Strat zonal mean abs diff for Jan



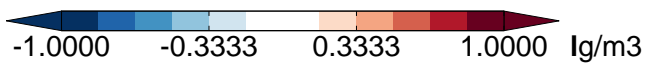
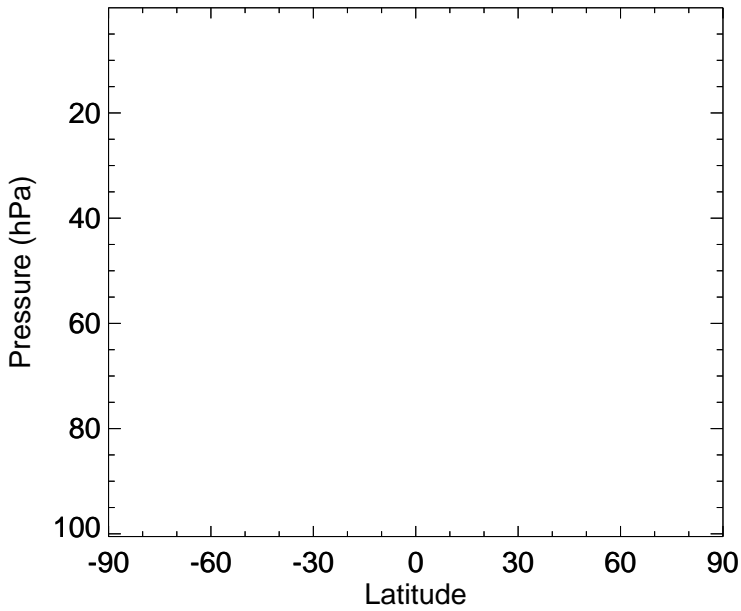
GC\_12.0.0 / v11-02f-Run1

SO2 - Strat zonal mean % diff for Jan



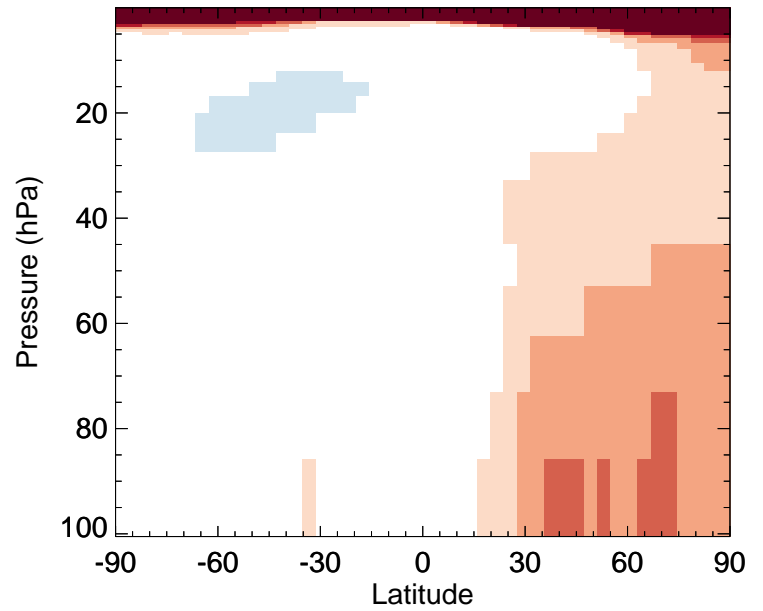
GC\_12.0.0 - v11-02e-Run1

SO2 - Strat zonal mean abs diff for Jan



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

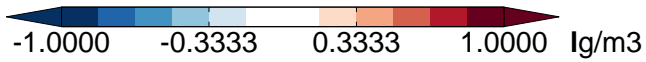
SO2 - Strat zonal mean % diff for Jan



GEOS-Chem Stratospheric Zonal Difference Maps

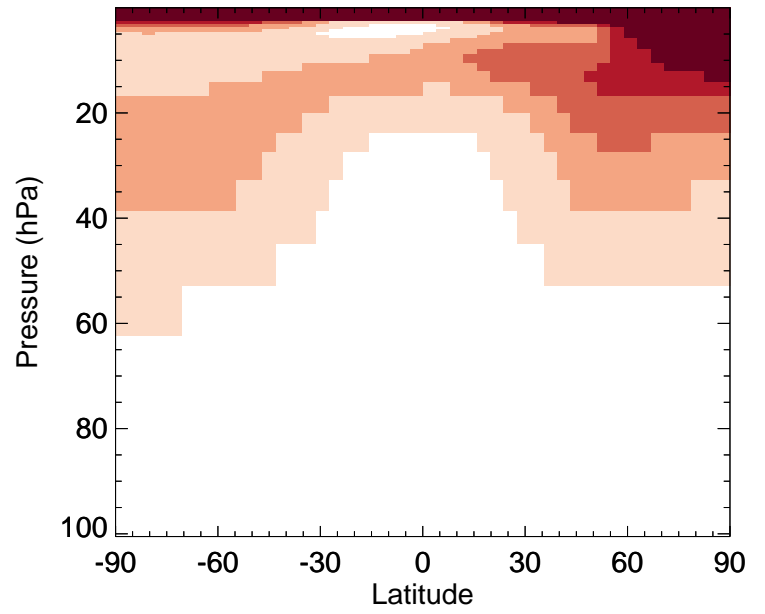
GC\_12.0.0 - v11-02f-Run1

SO4 - Strat zonal mean abs diff for Jan



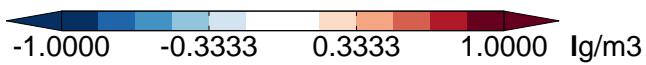
GC\_12.0.0 / v11-02f-Run1

SO4 - Strat zonal mean % diff for Jan



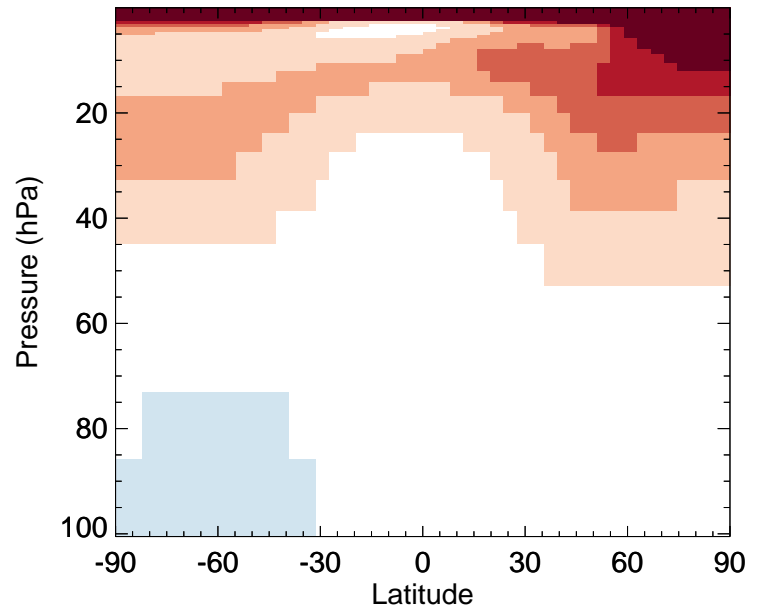
GC\_12.0.0 - v11-02e-Run1

SO4 - Strat zonal mean abs diff for Jan



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

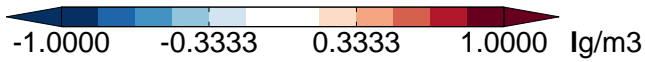
SO4 - Strat zonal mean % diff for Jan



# GEOS-Chem Stratospheric Zonal Difference Maps

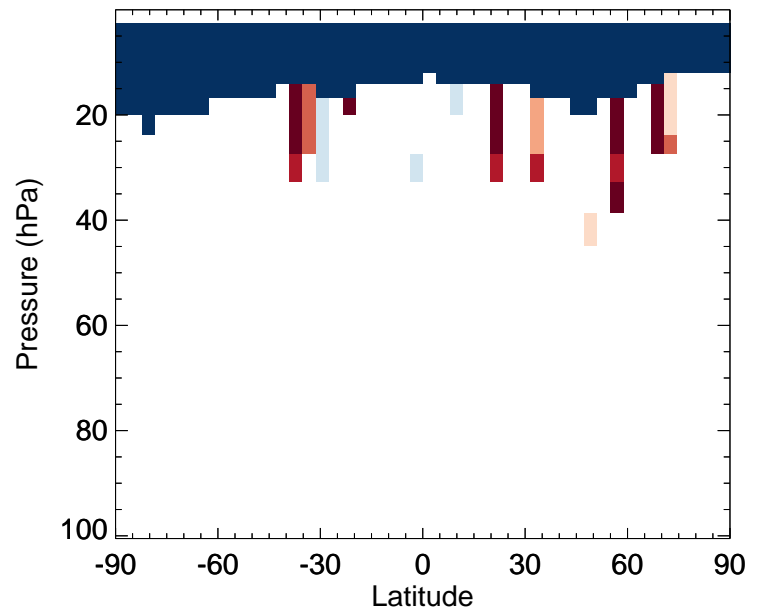
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SO4s - Strat zonal mean abs diff for Jan



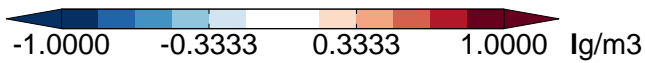
GC\_12.0.0 / v11-02f-Run1

SO4s - Strat zonal mean % diff for Jan



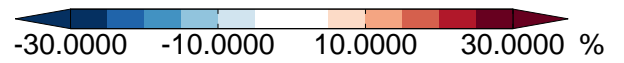
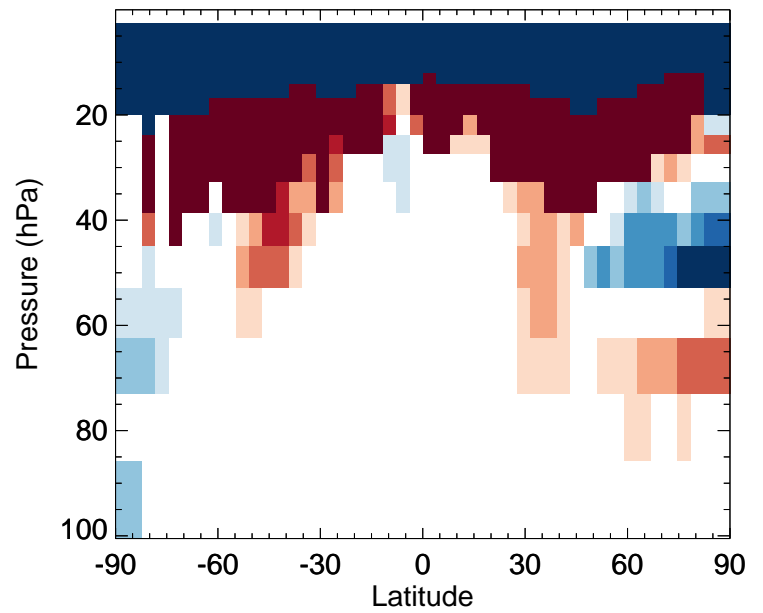
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SO4s - Strat zonal mean abs diff for Jan



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

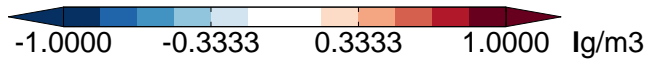
SO4s - Strat zonal mean % diff for Jan



# GEOS-Chem Stratospheric Zonal Difference Maps

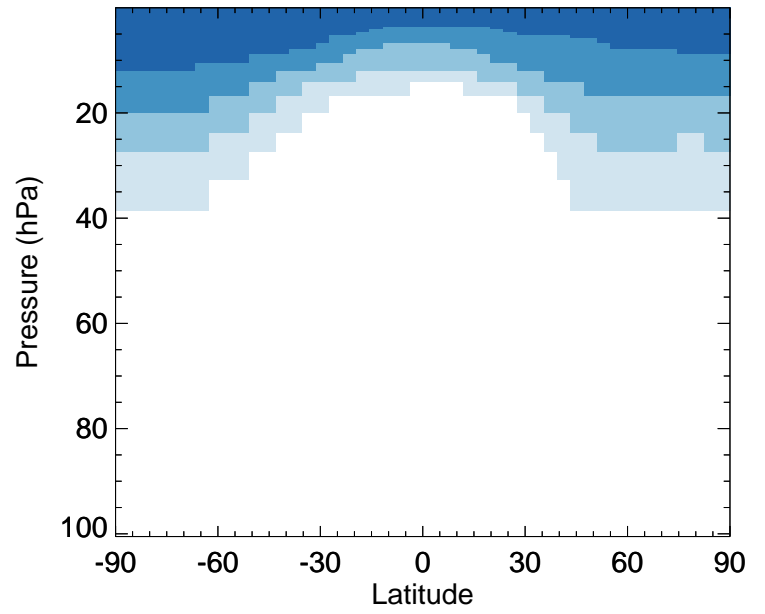
GC\_12.0.0 - v11-02f-Run1

MSA - Strat zonal mean abs diff for Jan



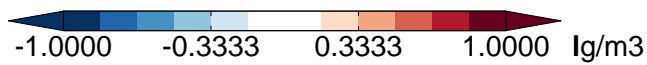
GC\_12.0.0 / v11-02f-Run1

MSA - Strat zonal mean % diff for Jan



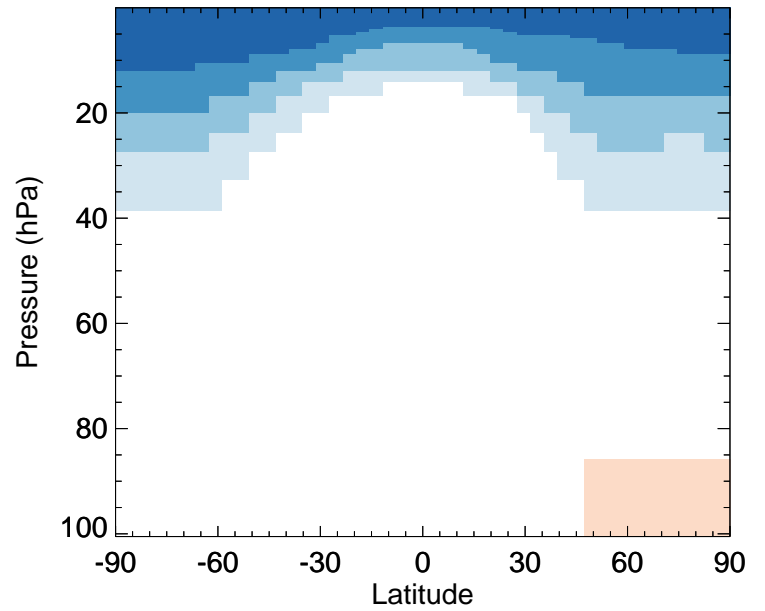
GC\_12.0.0 - v11-02e-Run1

MSA - Strat zonal mean abs diff for Jan



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

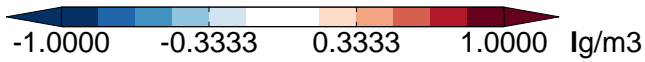
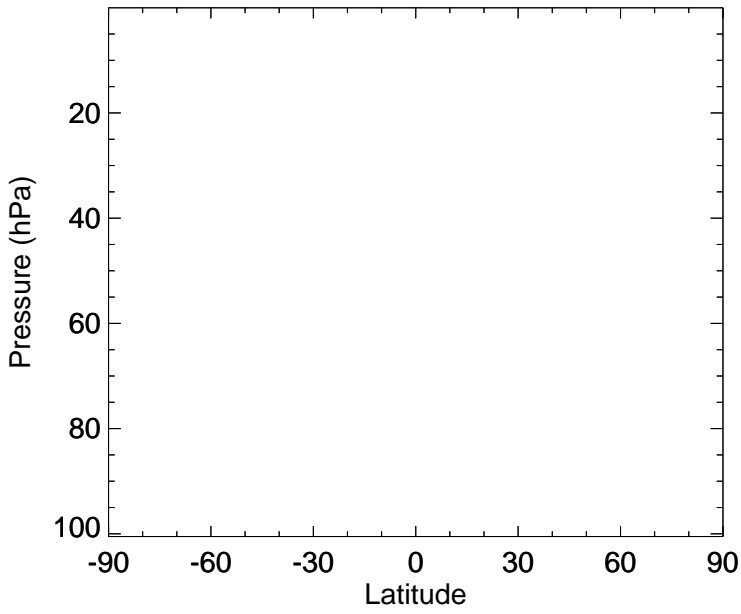
MSA - Strat zonal mean % diff for Jan



# GEOS-Chem Stratospheric Zonal Difference Maps

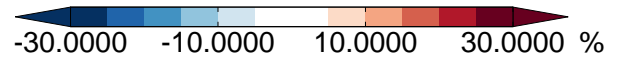
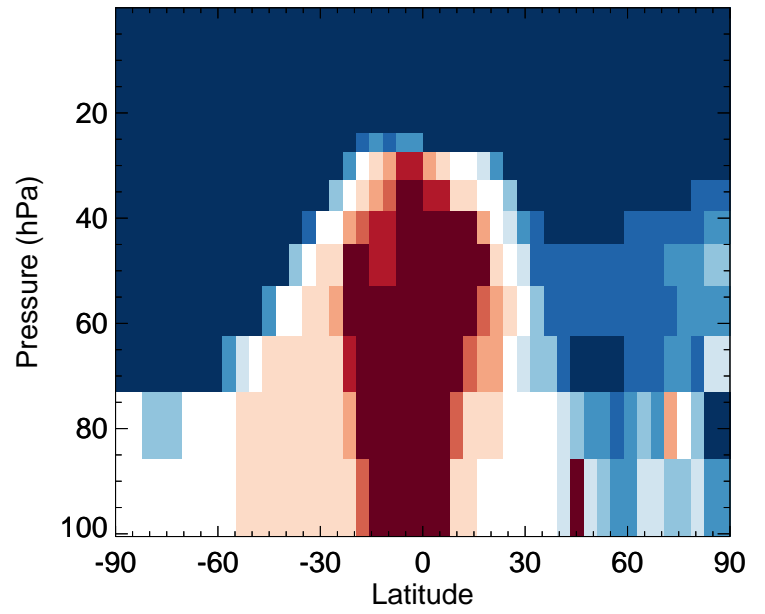
GC\_12.0.0 - v11-02f-Run1

NH3 - Strat zonal mean abs diff for Jan



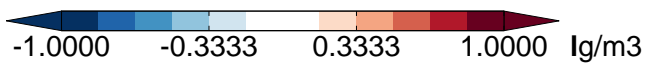
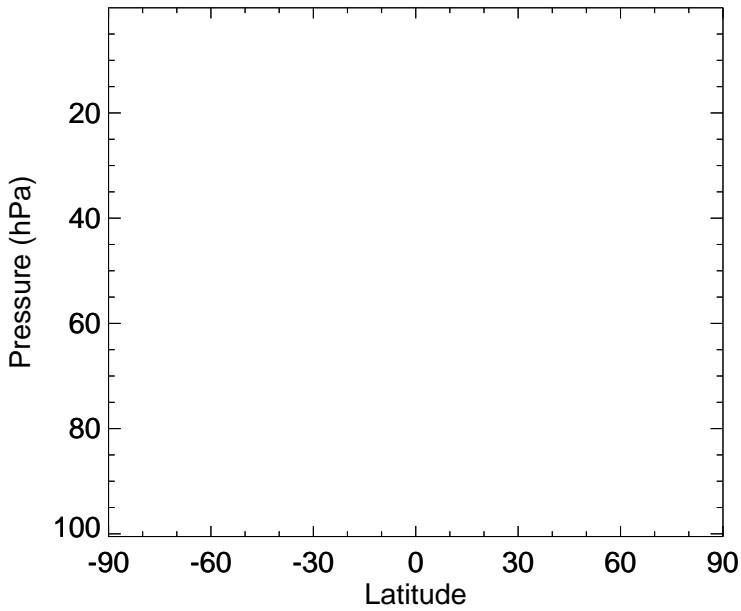
GC\_12.0.0 / v11-02f-Run1

NH3 - Strat zonal mean % diff for Jan



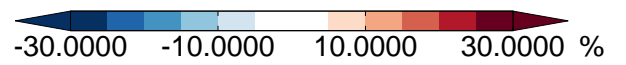
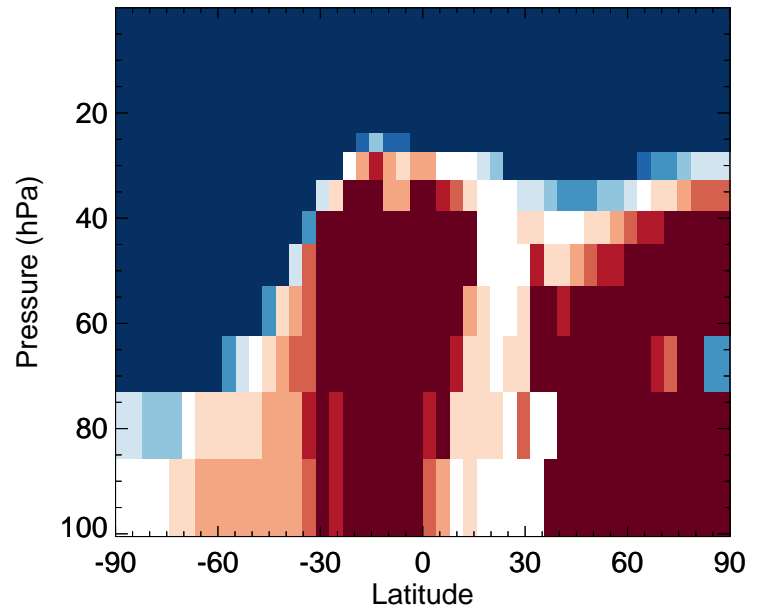
GC\_12.0.0 - v11-02e-Run1

NH3 - Strat zonal mean abs diff for Jan



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

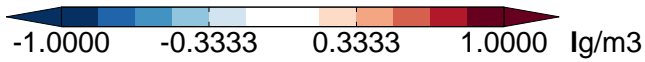
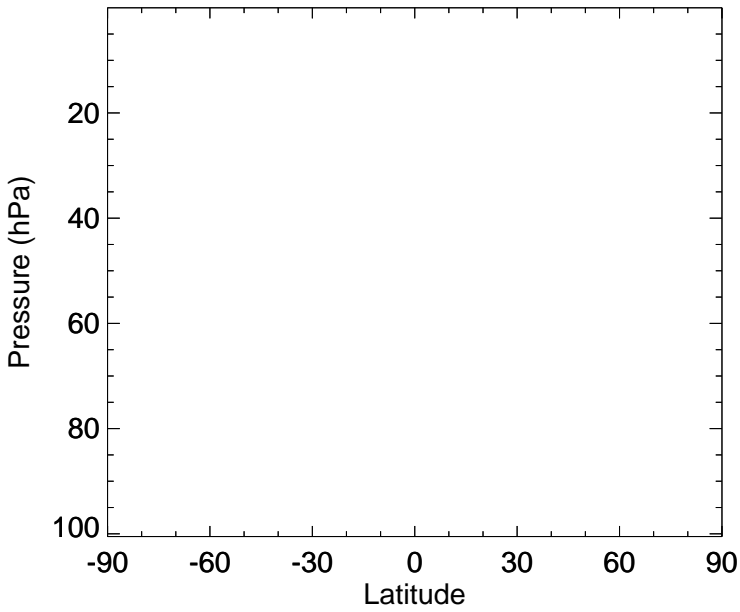
NH3 - Strat zonal mean % diff for Jan



GEOS-Chem Stratospheric Zonal Difference Maps

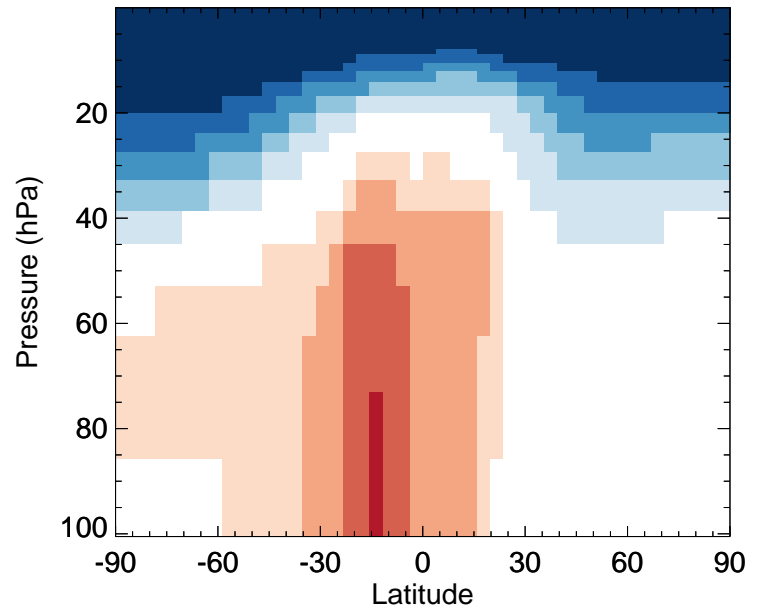
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NH4 - Strat zonal mean abs diff for Jan



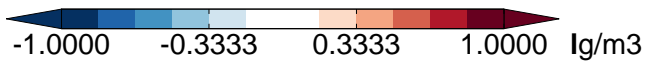
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NH4 - Strat zonal mean % diff for Jan



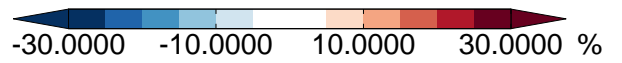
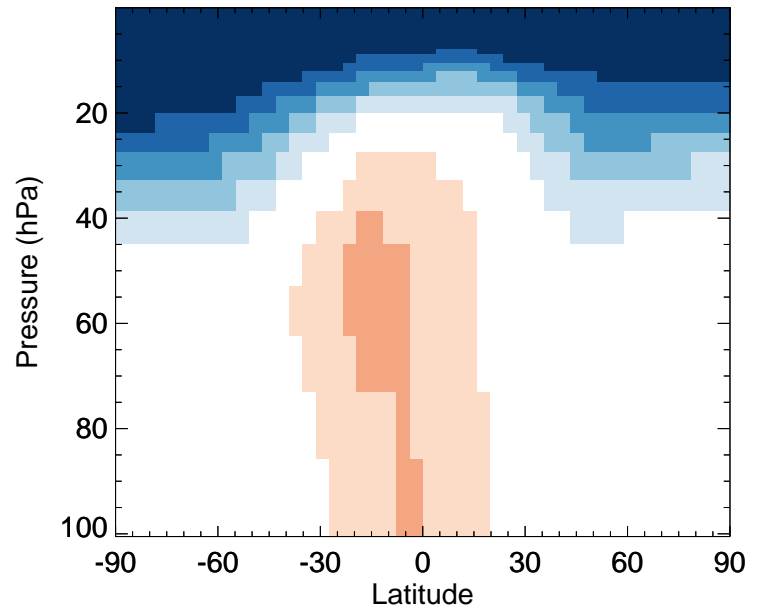
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NH4 - Strat zonal mean abs diff for Jan



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

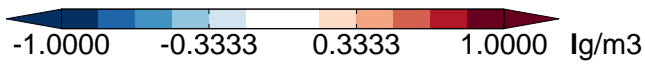
NH4 - Strat zonal mean % diff for Jan



# GEOS-Chem Stratospheric Zonal Difference Maps

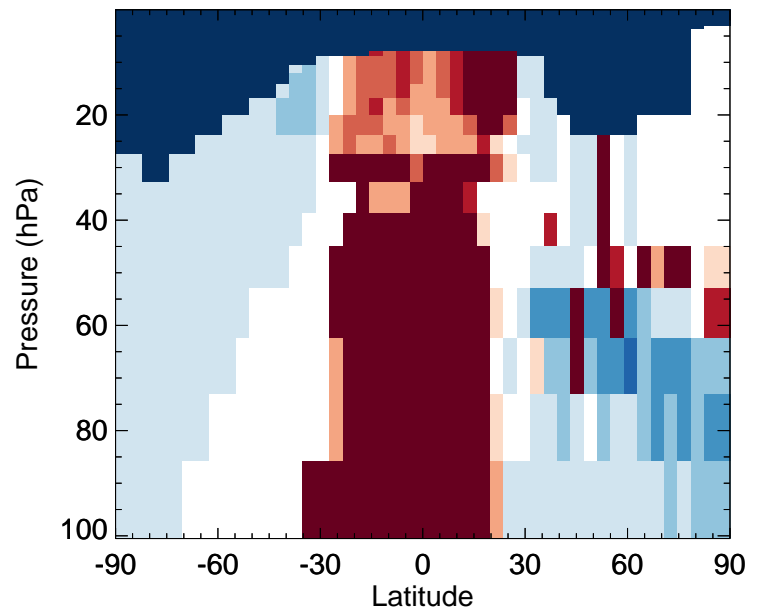
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NIT - Strat zonal mean abs diff for Jan



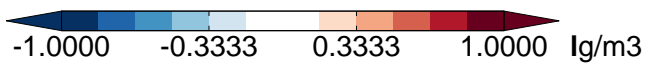
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NIT - Strat zonal mean % diff for Jan



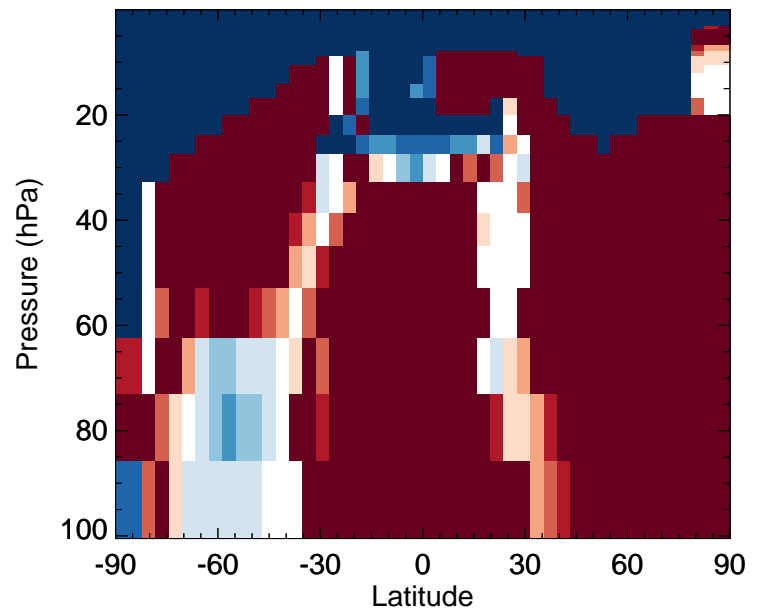
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NIT - Strat zonal mean abs diff for Jan



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

NIT - Strat zonal mean % diff for Jan

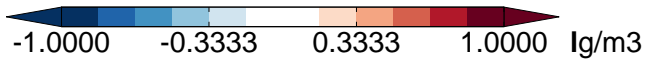
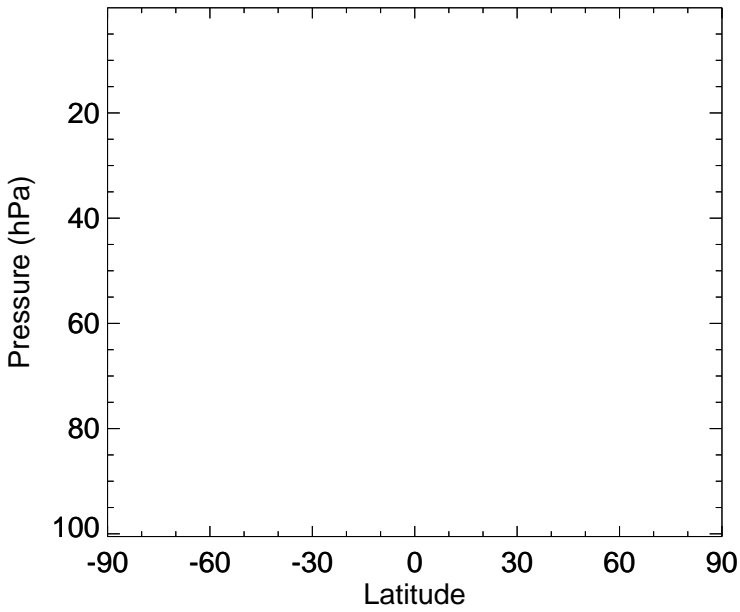




GEOS-Chem Stratospheric Zonal Difference Maps

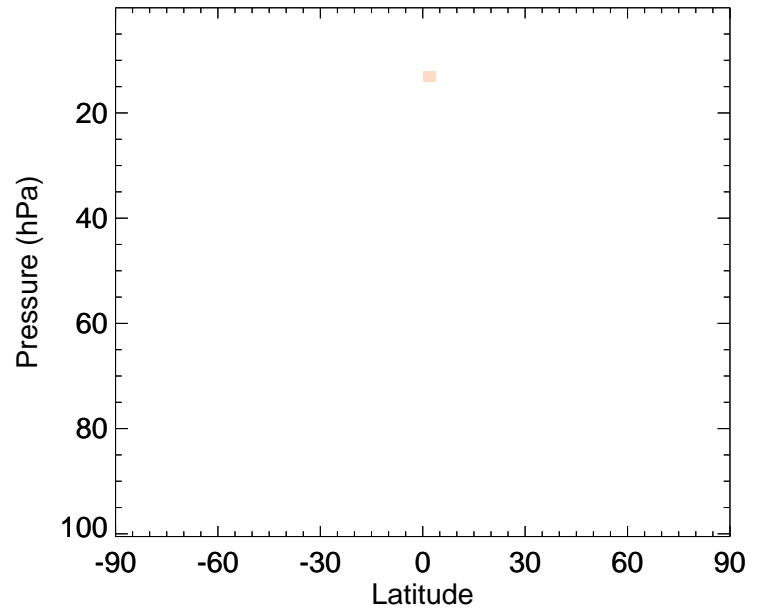
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NITs - Strat zonal mean abs diff for Jan



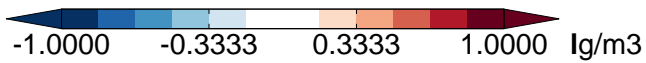
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NITs - Strat zonal mean % diff for Jan



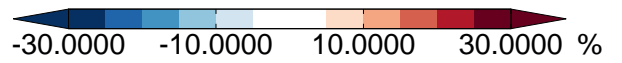
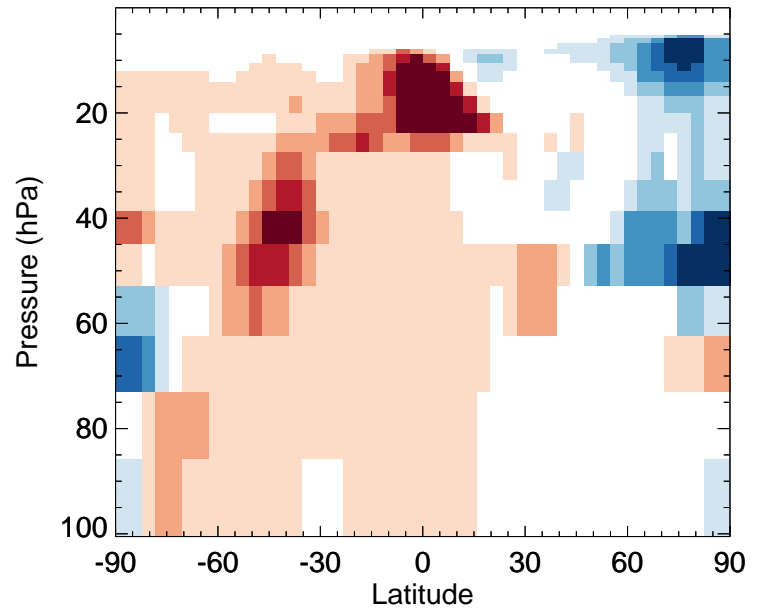
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NITs - Strat zonal mean abs diff for Jan



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

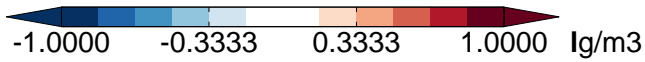
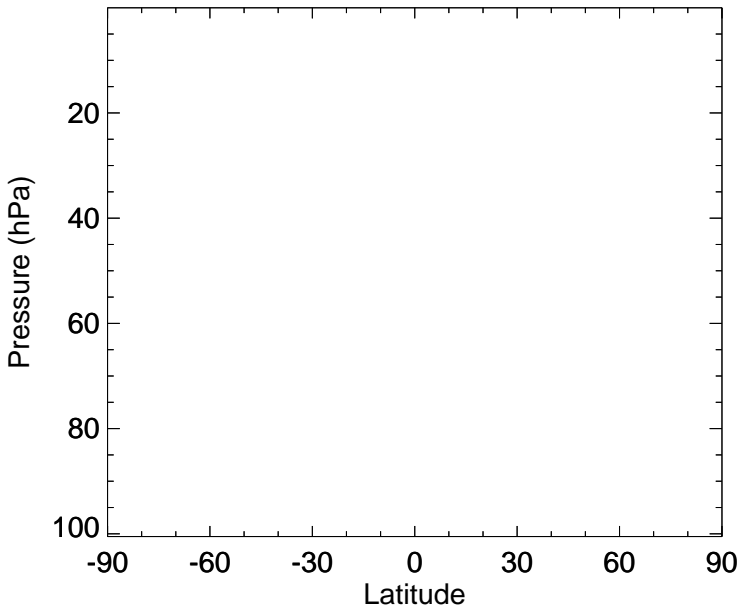
NITs - Strat zonal mean % diff for Jan



# GEOS-Chem Stratospheric Zonal Difference Maps

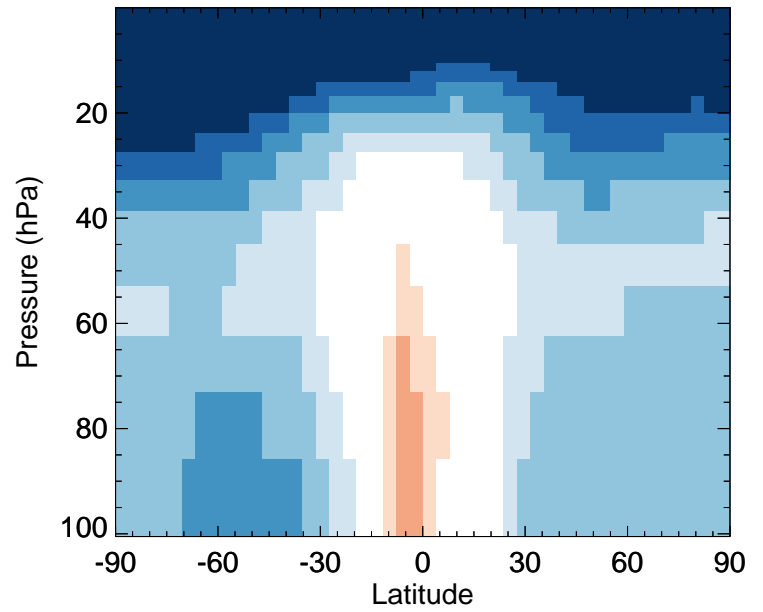
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BCPI - Strat zonal mean abs diff for Jan



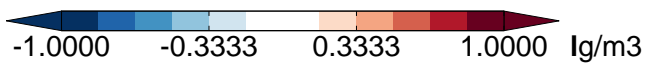
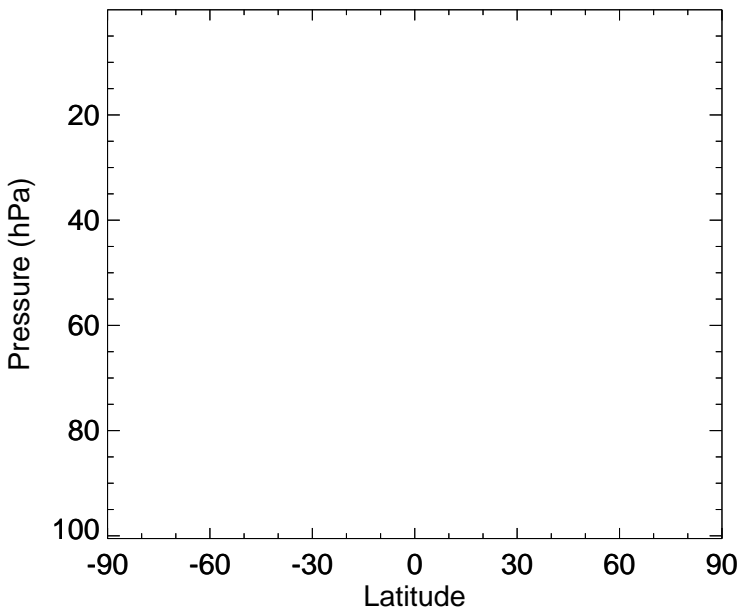
GC\_12.0.0 / v11-02f-Run1

BCPI - Strat zonal mean % diff for Jan



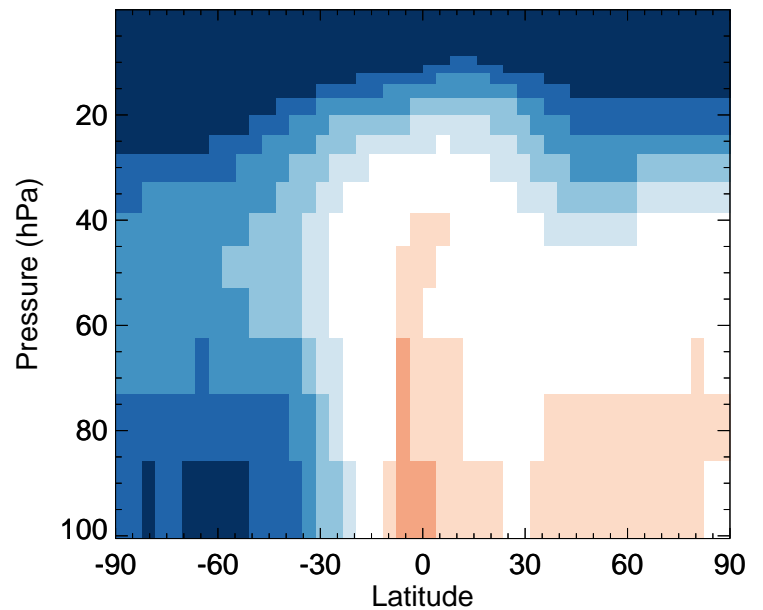
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BCPI - Strat zonal mean abs diff for Jan



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

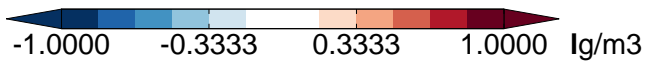
BCPI - Strat zonal mean % diff for Jan



GEOS-Chem Stratospheric Zonal Difference Maps

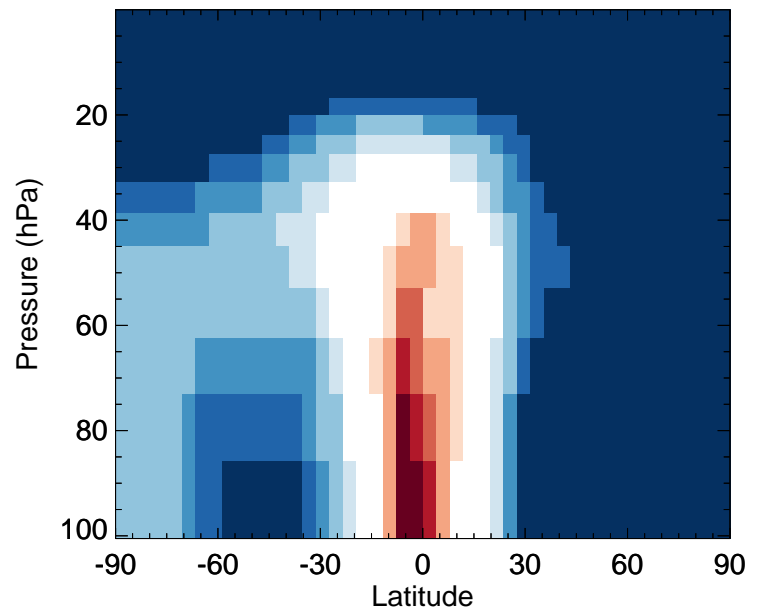
GC\_12.0.0 - v11-02f-Run1

OCPI - Strat zonal mean abs diff for Jan



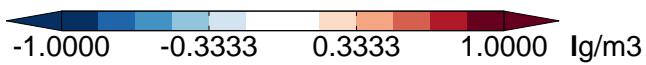
GC\_12.0.0 / v11-02f-Run1

OCPI - Strat zonal mean % diff for Jan



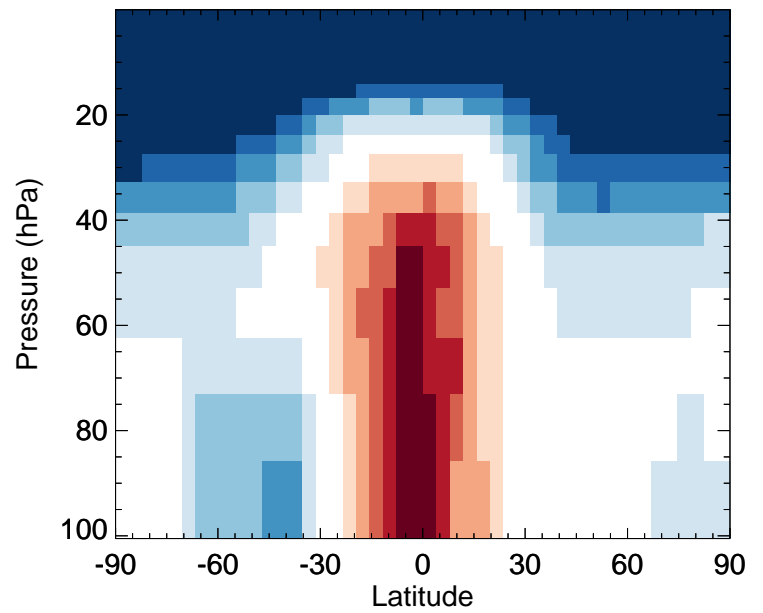
GC\_12.0.0 - v11-02e-Run1

OCPI - Strat zonal mean abs diff for Jan



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

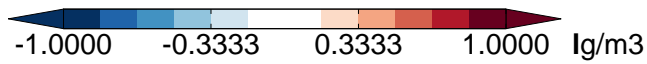
OCPI - Strat zonal mean % diff for Jan



# GEOS-Chem Stratospheric Zonal Difference Maps

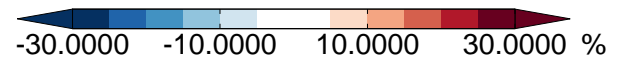
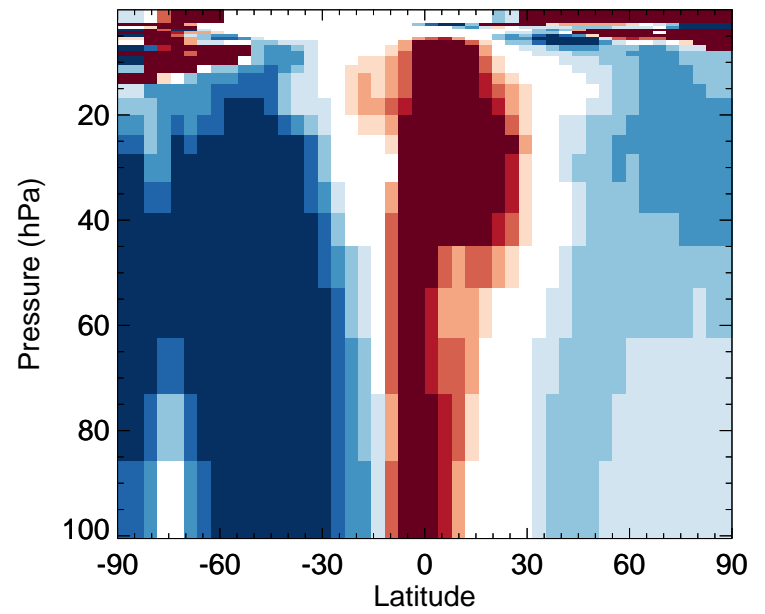
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BCPO - Strat zonal mean abs diff for Jan



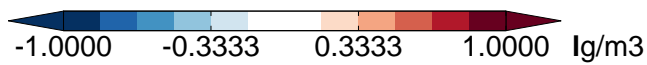
GC\_12.0.0 / v11-02f-Run1

BCPO - Strat zonal mean % diff for Jan



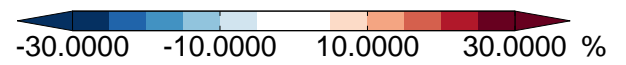
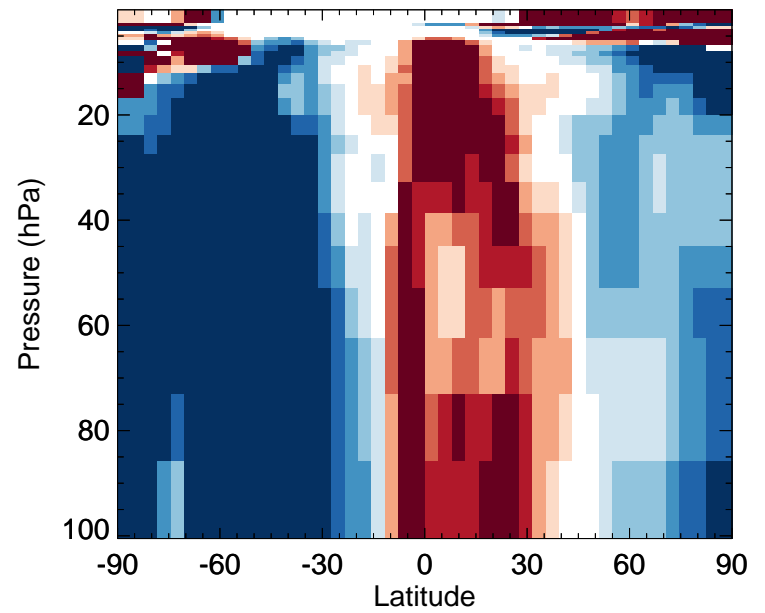
GC\_12.0.0 - v11-02e-Run1

BCPO - Strat zonal mean abs diff for Jan



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

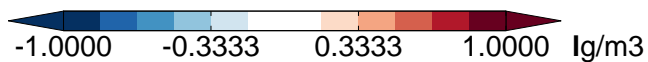
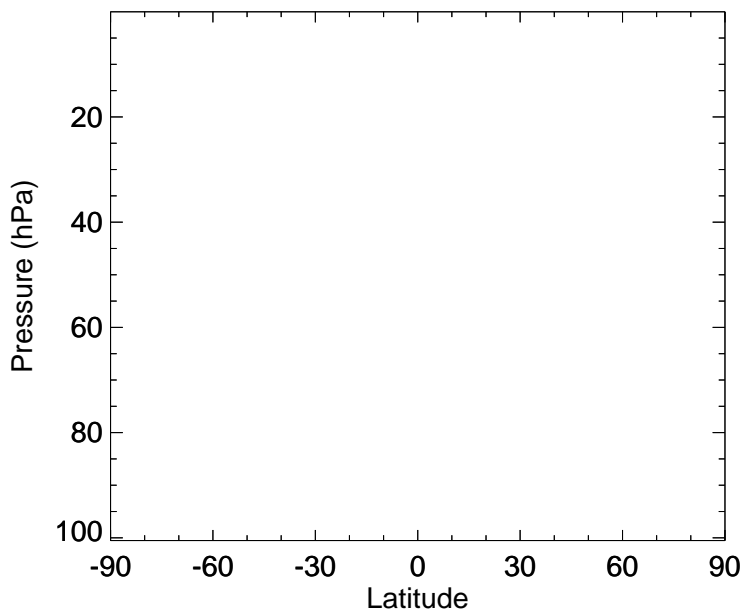
BCPO - Strat zonal mean % diff for Jan



GEOS-Chem Stratospheric Zonal Difference Maps

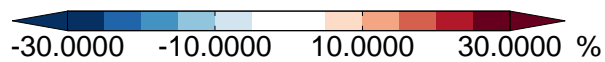
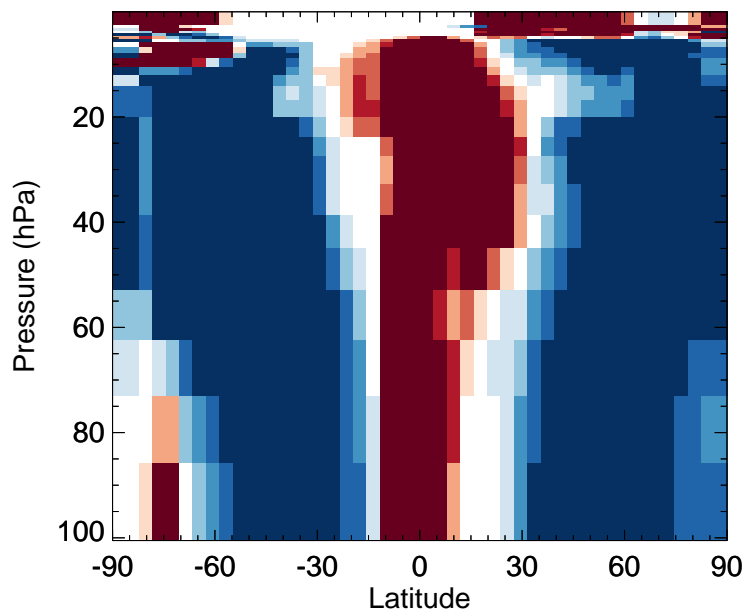
GC\_12.0.0 - v11-02f-Run1

OCPO - Strat zonal mean abs diff for Jan



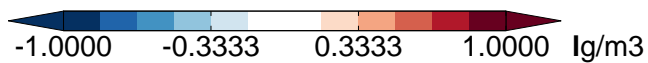
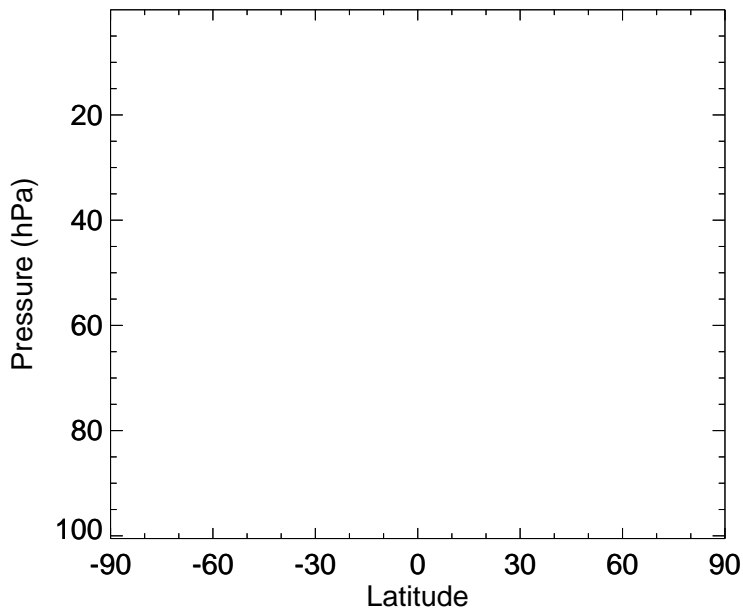
GC\_12.0.0 / v11-02f-Run1

OCPO - Strat zonal mean % diff for Jan



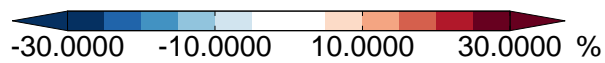
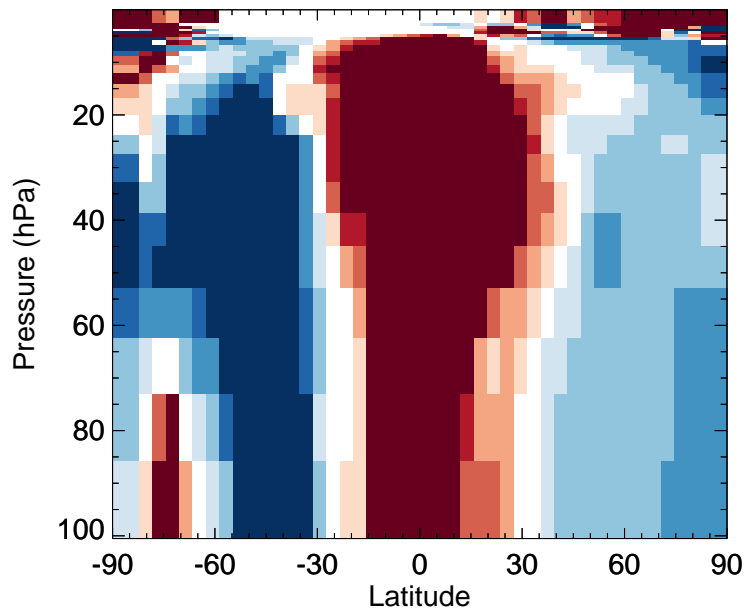
GC\_12.0.0 - v11-02e-Run1

OCPO - Strat zonal mean abs diff for Jan



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

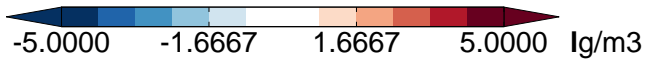
OCPO - Strat zonal mean % diff for Jan



GEOS-Chem Stratospheric Zonal Difference Maps

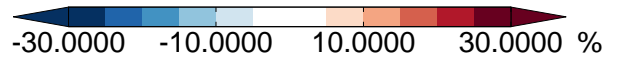
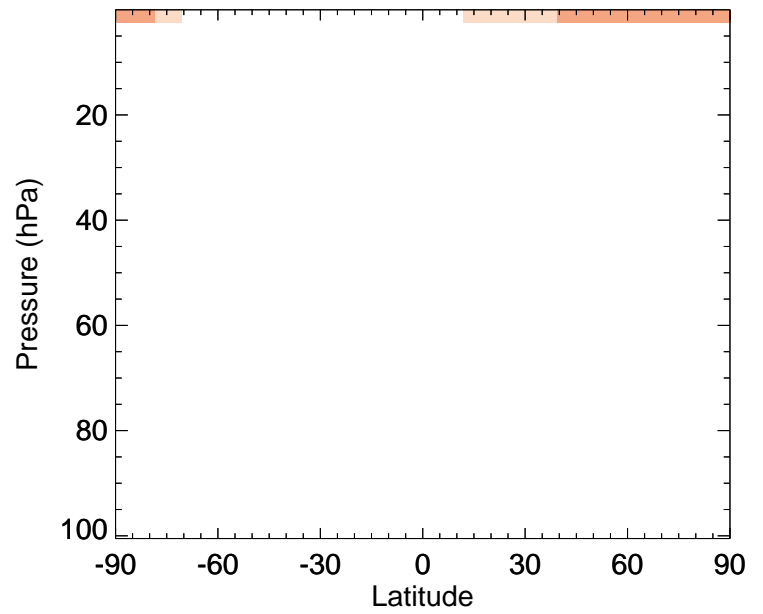
GC\_12.0.0 - v11-02f-Run1

DST1 - Strat zonal mean abs diff for Jan



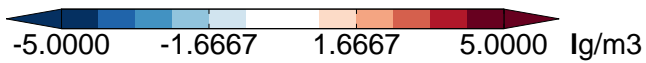
GC\_12.0.0 / v11-02f-Run1

DST1 - Strat zonal mean % diff for Jan



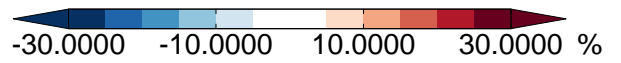
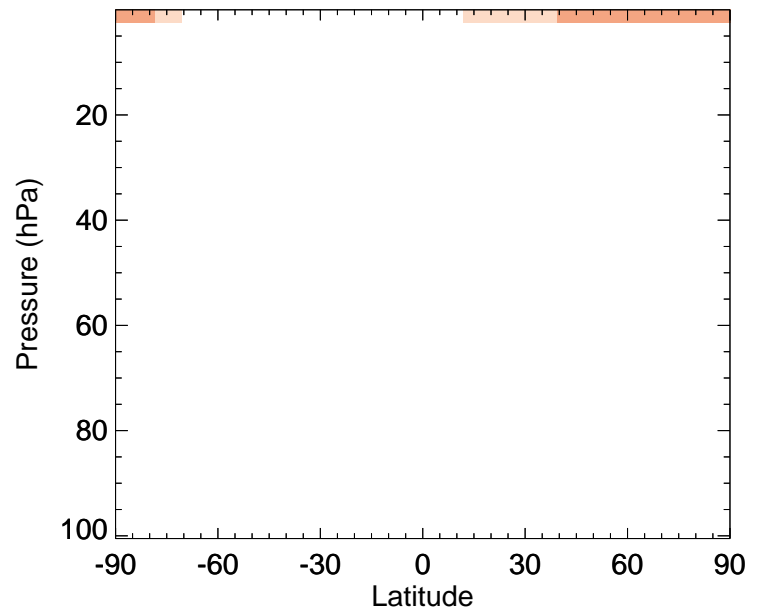
GC\_12.0.0 - v11-02e-Run1

DST1 - Strat zonal mean abs diff for Jan



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

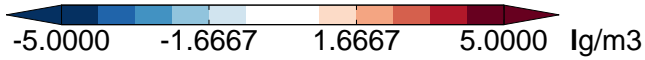
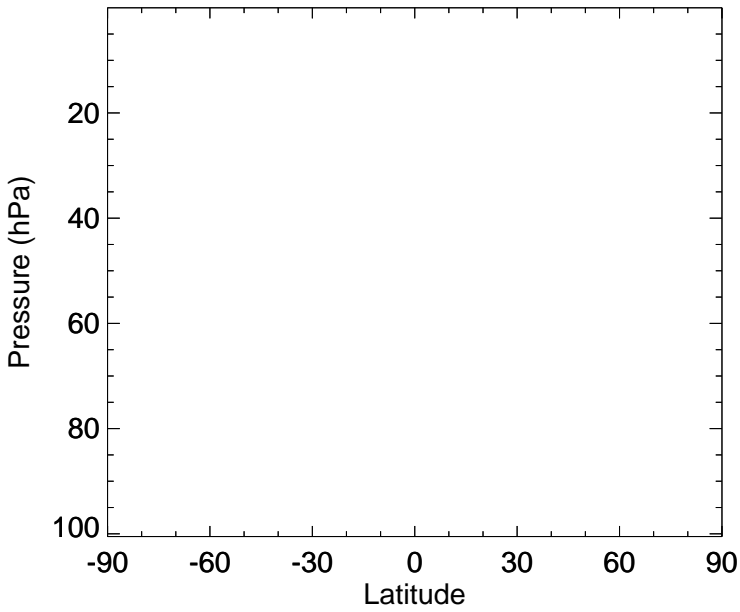
DST1 - Strat zonal mean % diff for Jan



# GEOS-Chem Stratospheric Zonal Difference Maps

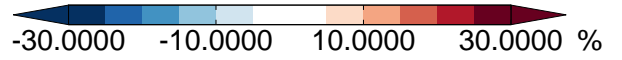
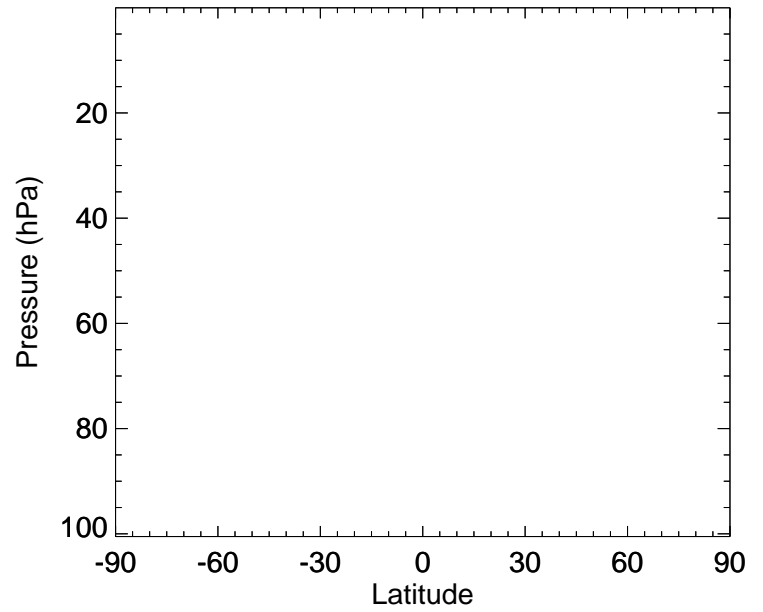
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DST2 - Strat zonal mean abs diff for Jan



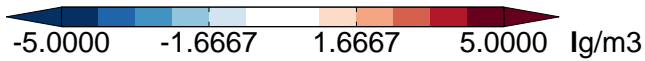
GC\_12.0.0 / v11-02f-Run1

DST2 - Strat zonal mean % diff for Jan



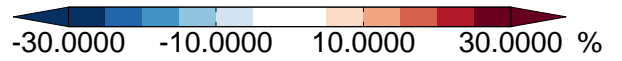
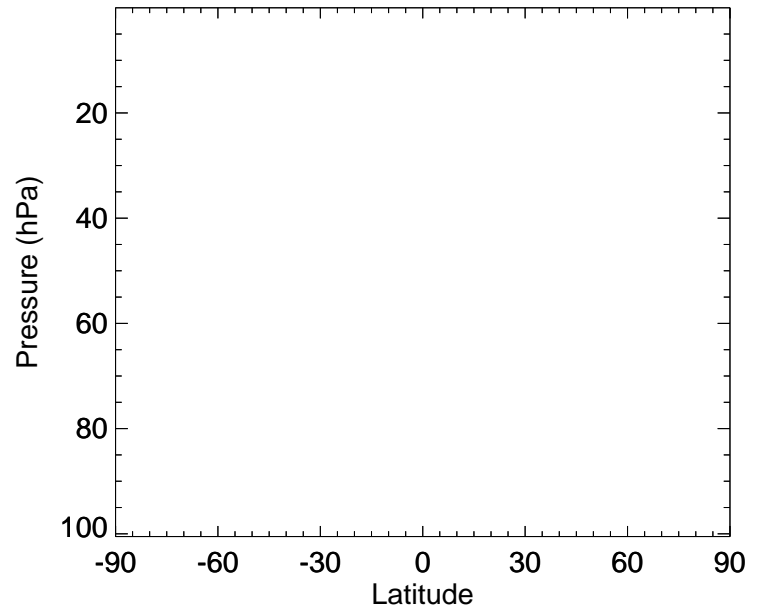
GC\_12.0.0 - v11-02e-Run1

DST2 - Strat zonal mean abs diff for Jan



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

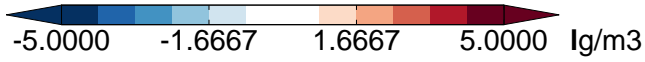
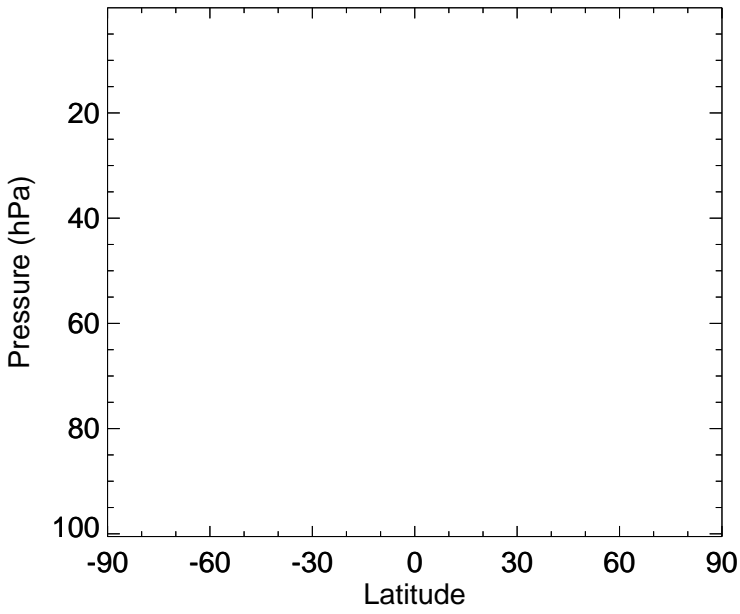
DST2 - Strat zonal mean % diff for Jan



GEOS-Chem Stratospheric Zonal Difference Maps

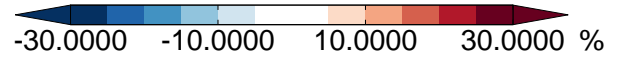
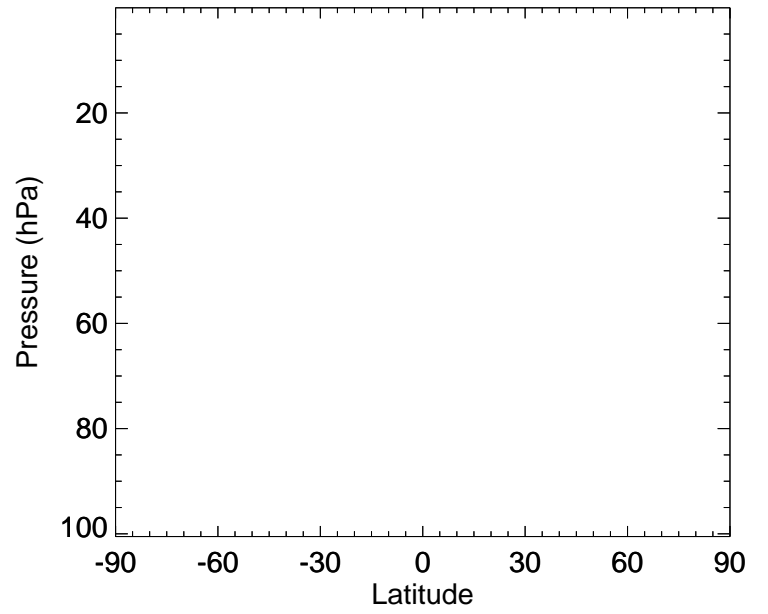
GC\_12.0.0 - v11-02f-Run1

DST3 - Strat zonal mean abs diff for Jan



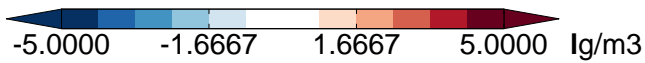
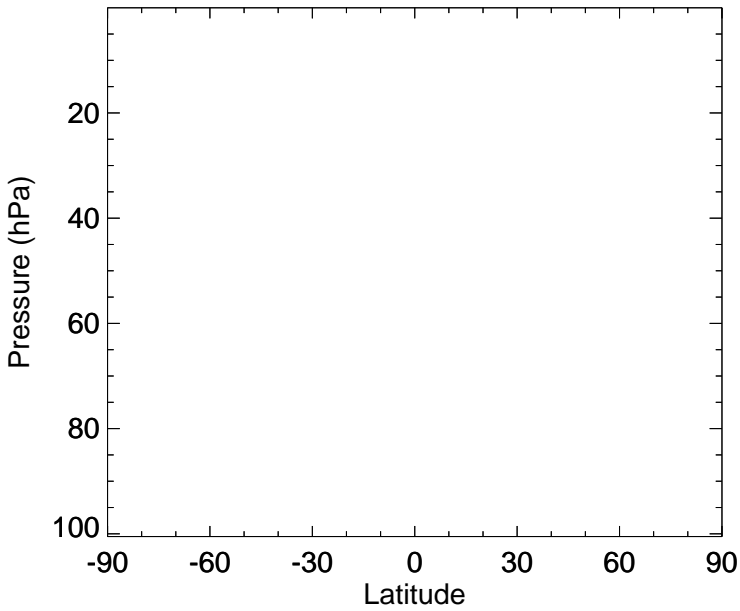
GC\_12.0.0 / v11-02f-Run1

DST3 - Strat zonal mean % diff for Jan



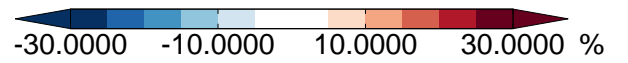
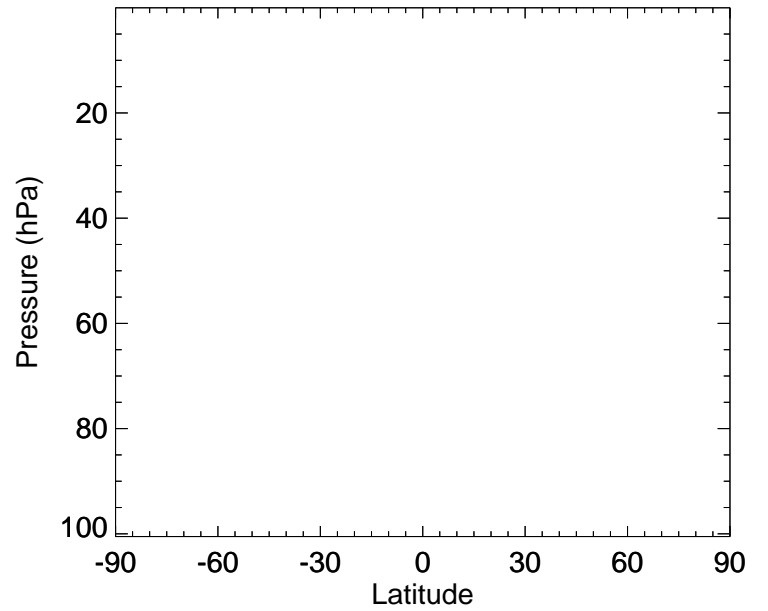
GC\_12.0.0 - v11-02e-Run1

DST3 - Strat zonal mean abs diff for Jan



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

DST3 - Strat zonal mean % diff for Jan

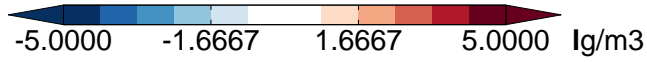
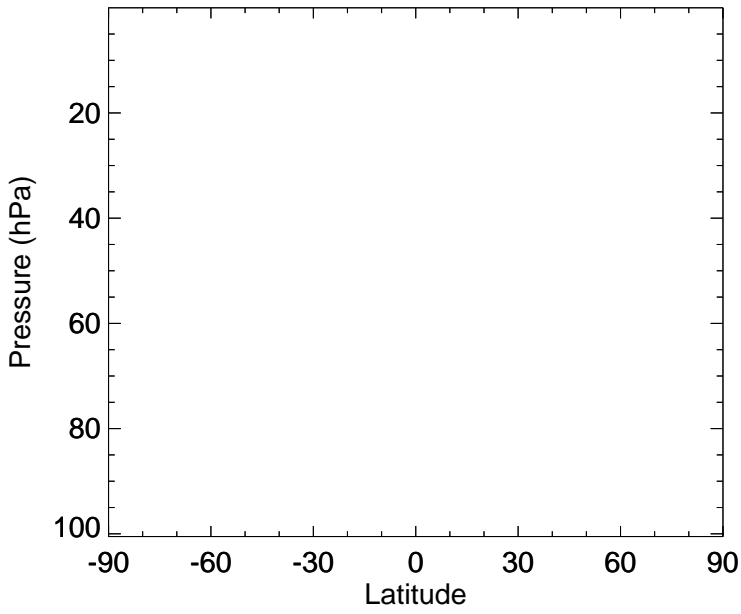




# GEOS-Chem Stratospheric Zonal Difference Maps

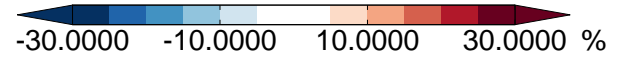
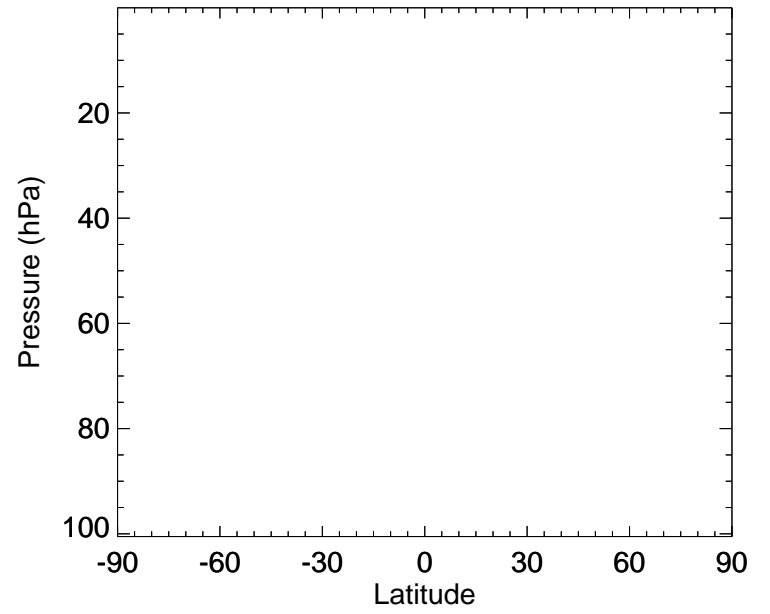
GC\_12.0.0 - v11-02f-Run1

DST4 - Strat zonal mean abs diff for Jan



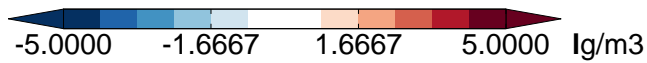
GC\_12.0.0 / v11-02f-Run1

DST4 - Strat zonal mean % diff for Jan



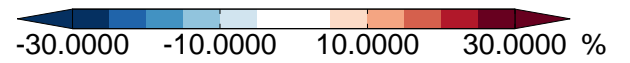
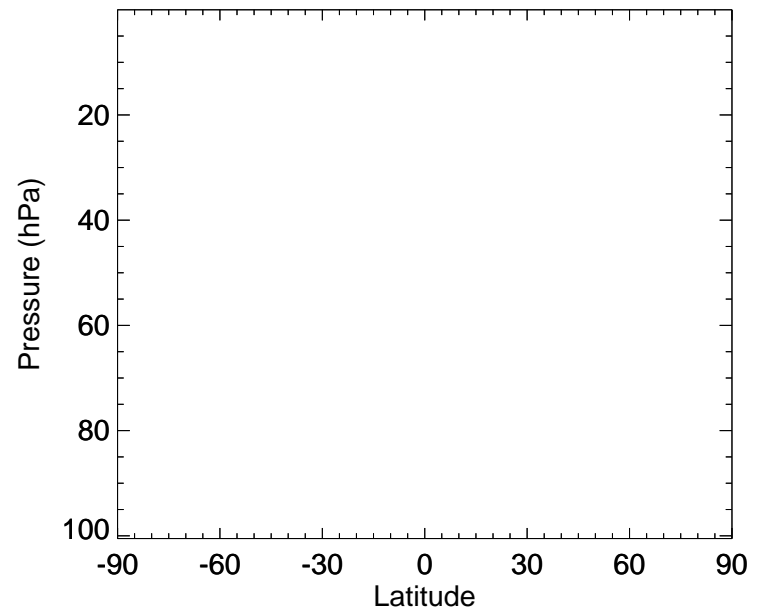
GC\_12.0.0 - v11-02e-Run1

DST4 - Strat zonal mean abs diff for Jan



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

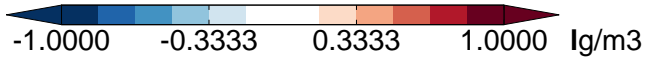
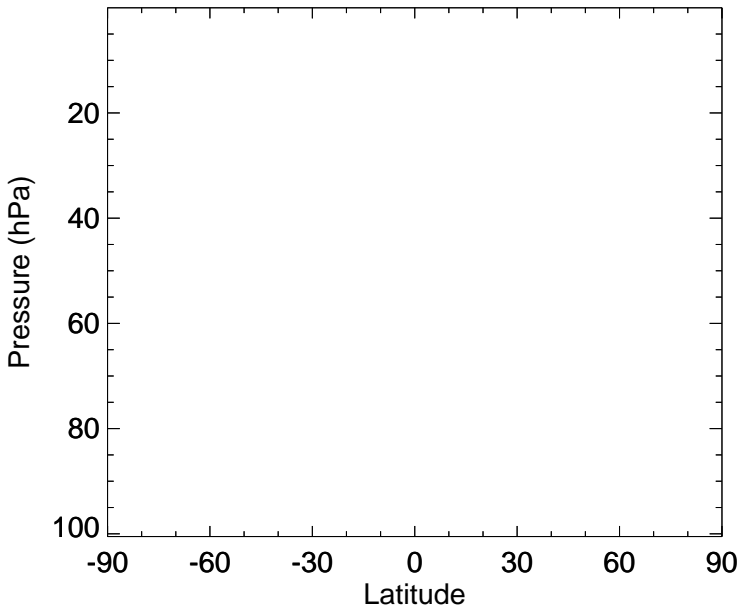
DST4 - Strat zonal mean % diff for Jan



# GEOS-Chem Stratospheric Zonal Difference Maps

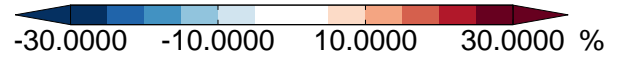
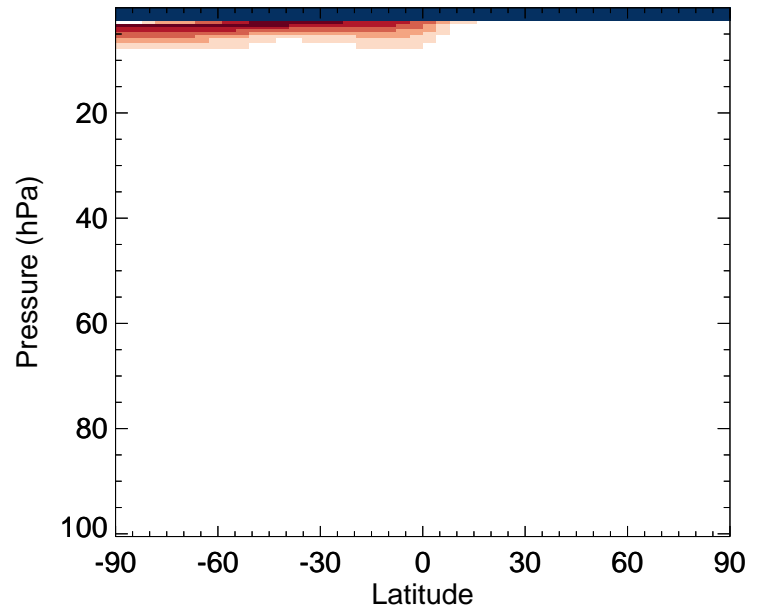
GC\_12.0.0 - v11-02f-Run1

SALA - Strat zonal mean abs diff for Jan



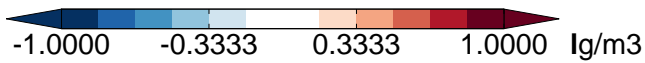
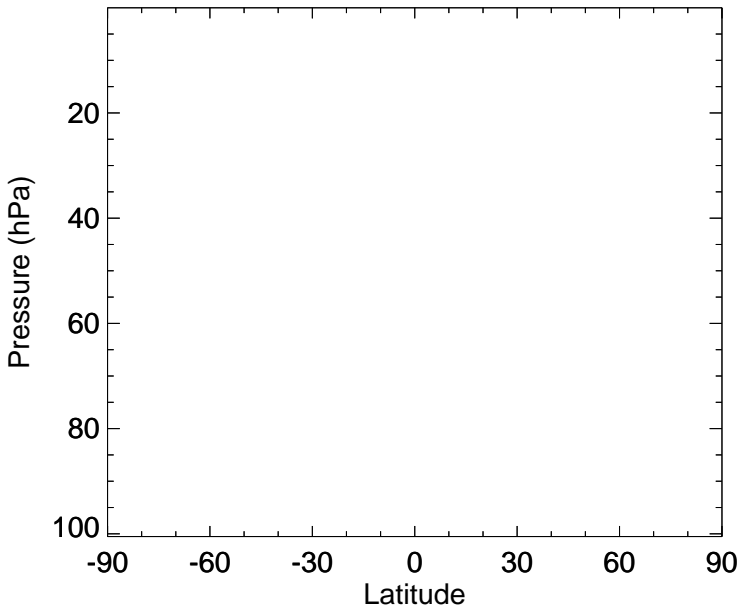
GC\_12.0.0 / v11-02f-Run1

SALA - Strat zonal mean % diff for Jan



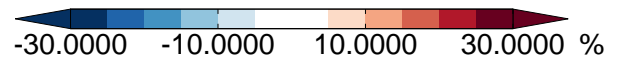
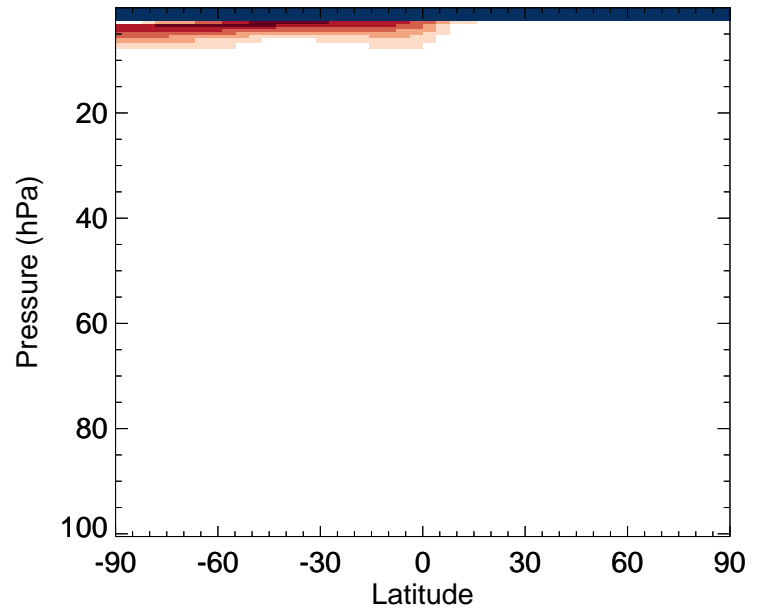
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SALA - Strat zonal mean abs diff for Jan



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

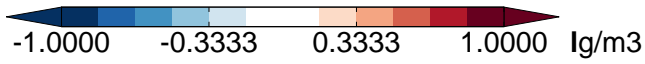
SALA - Strat zonal mean % diff for Jan



# GEOS-Chem Stratospheric Zonal Difference Maps

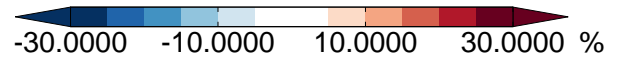
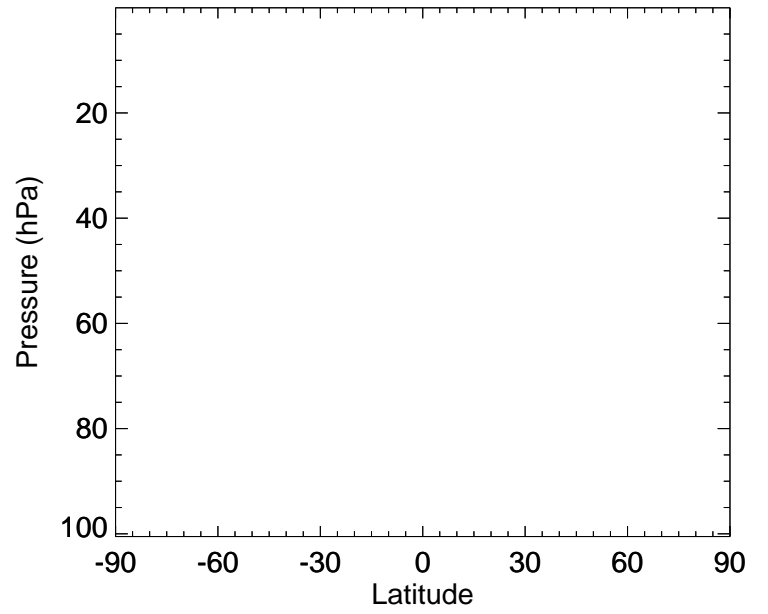
GC\_12.0.0 - v11-02f-Run1

SALC - Strat zonal mean abs diff for Jan



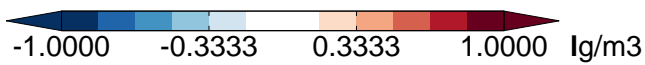
GC\_12.0.0 / v11-02f-Run1

SALC - Strat zonal mean % diff for Jan



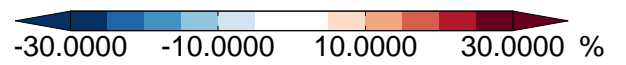
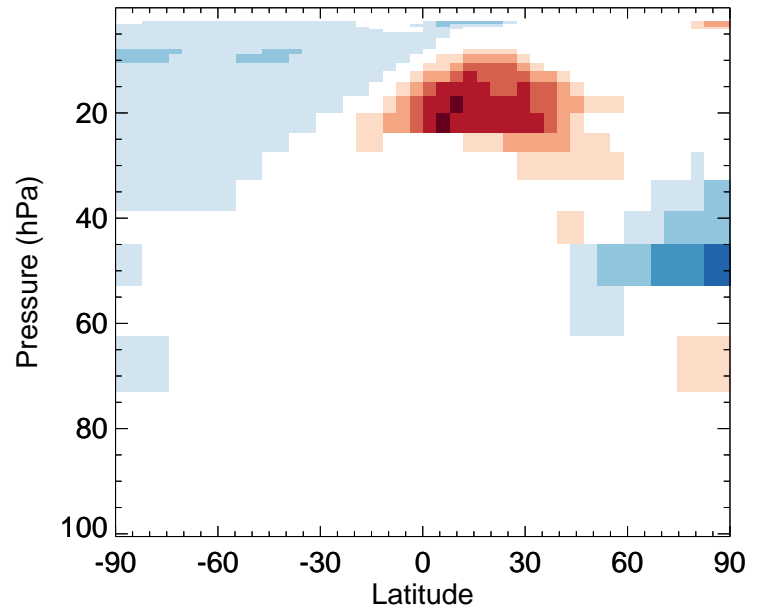
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SALC - Strat zonal mean abs diff for Jan



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

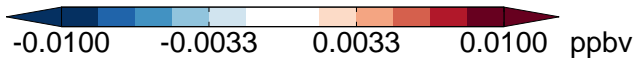
SALC - Strat zonal mean % diff for Jan



GEOS-Chem Stratospheric Zonal Difference Maps

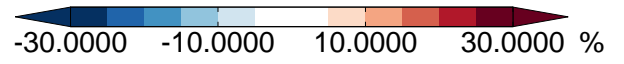
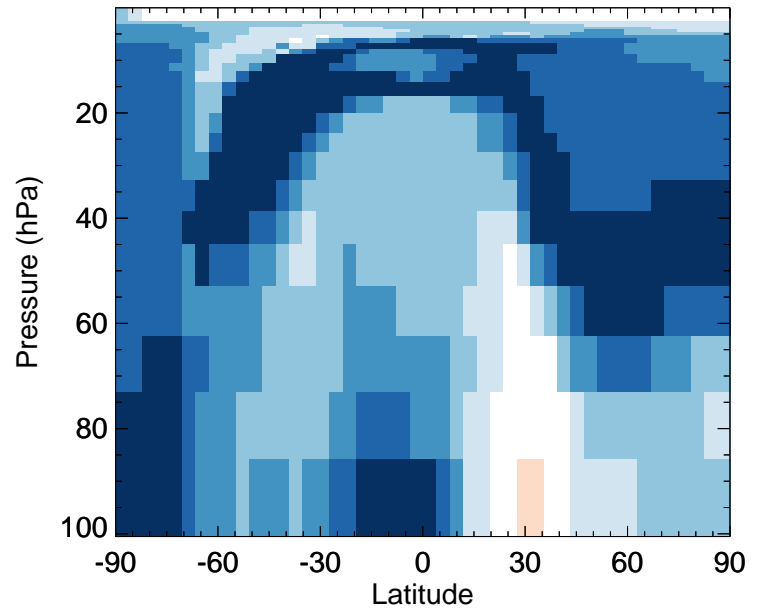
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Br2 - Strat zonal mean abs diff for Jan



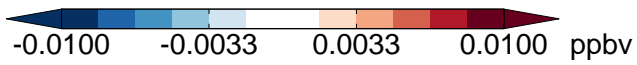
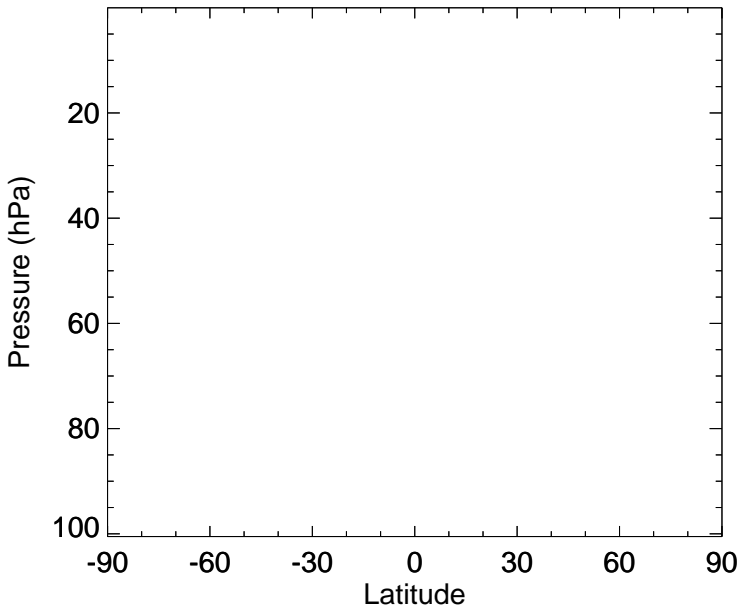
GC\_12.0.0 / v11-02f-Run1

Br2 - Strat zonal mean % diff for Jan



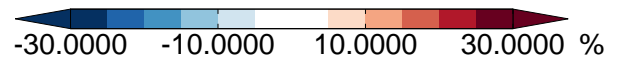
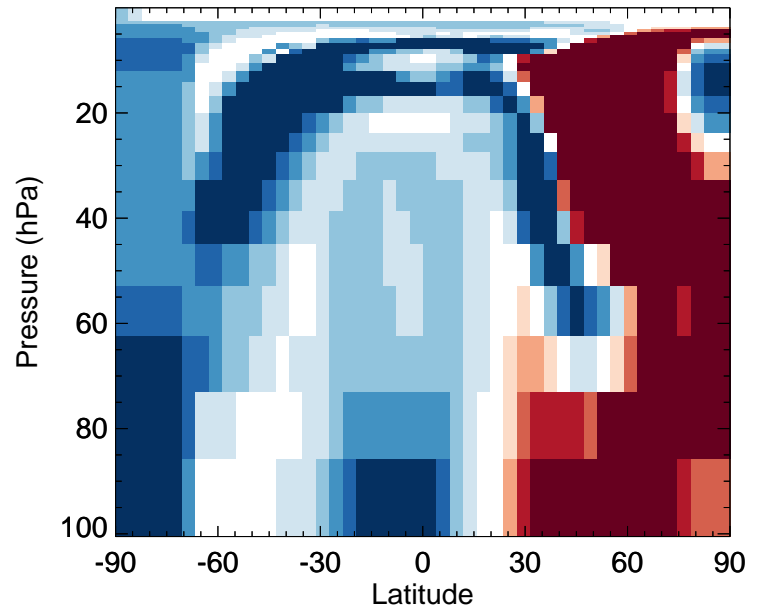
GC\_12.0.0 - v11-02e-Run1

Br2 - Strat zonal mean abs diff for Jan



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

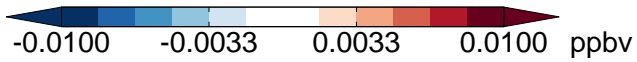
Br2 - Strat zonal mean % diff for Jan



GEOS-Chem Stratospheric Zonal Difference Maps

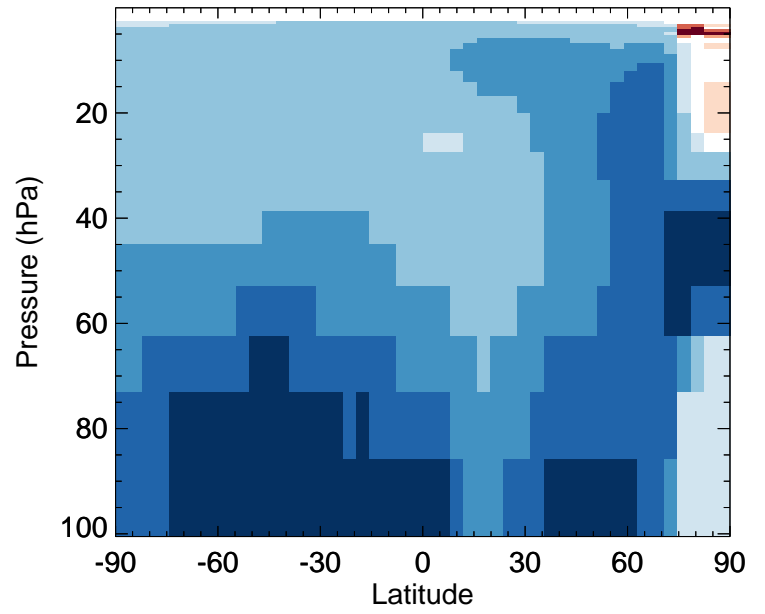
GC\_12.0.0 - v11-02f-Run1

Br - Strat zonal mean abs diff for Jan



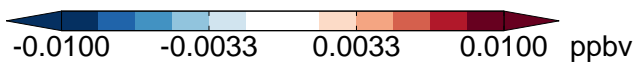
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Br - Strat zonal mean % diff for Jan



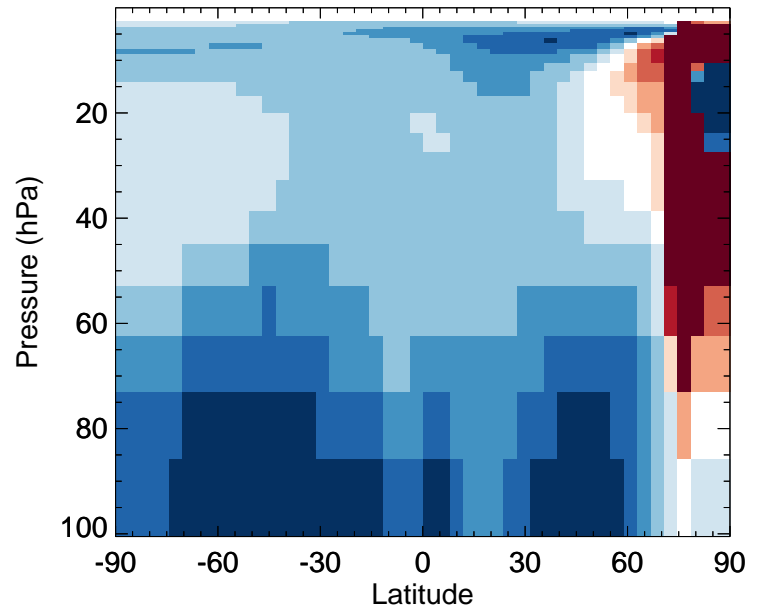
GC\_12.0.0 - v11-02e-Run1

Br - Strat zonal mean abs diff for Jan



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

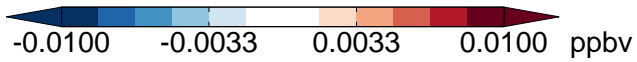
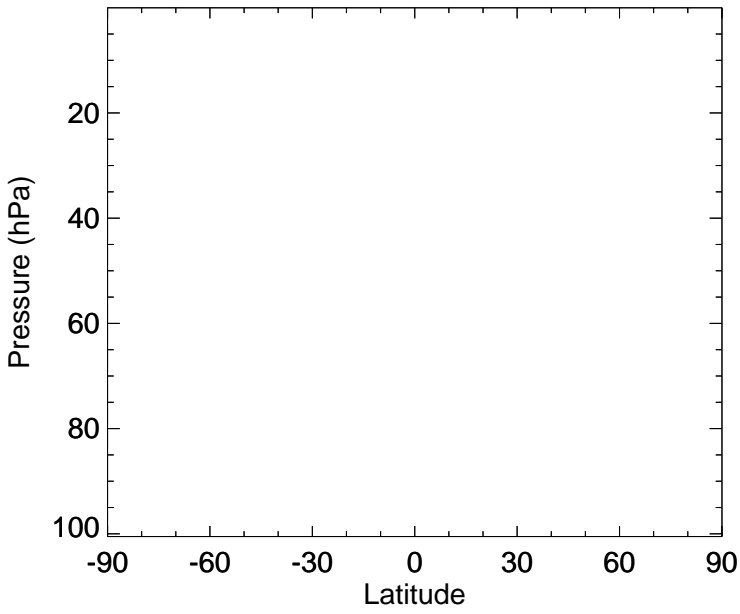
Br - Strat zonal mean % diff for Jan



GEOS-Chem Stratospheric Zonal Difference Maps

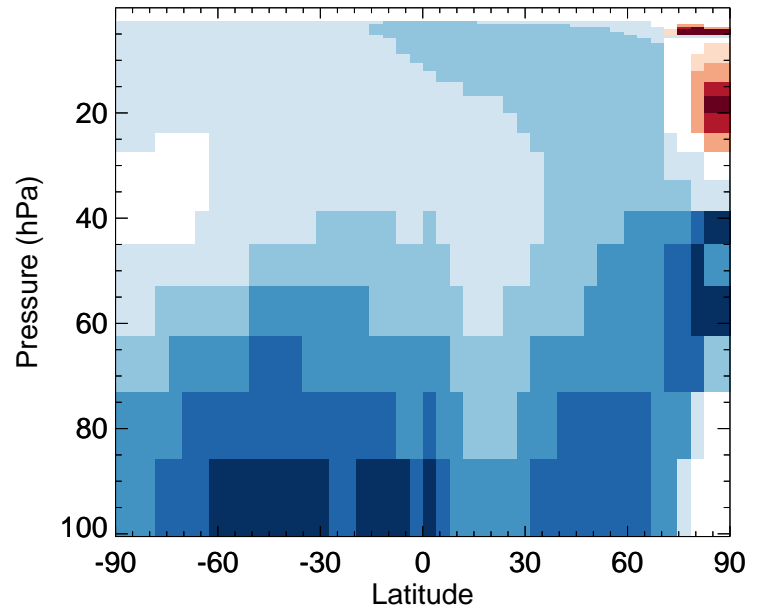
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BrO - Strat zonal mean abs diff for Jan



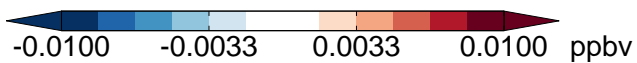
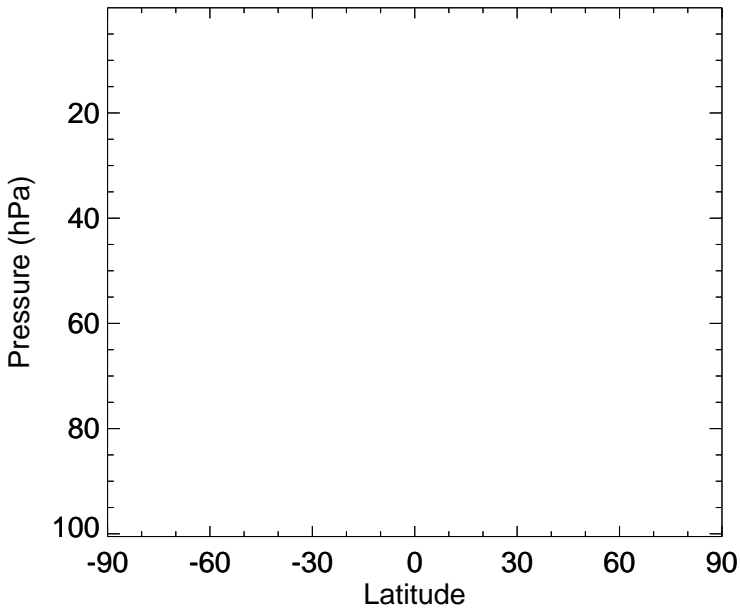
GC\_12.0.0 / v11-02f-Run1

BrO - Strat zonal mean % diff for Jan



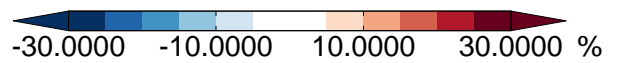
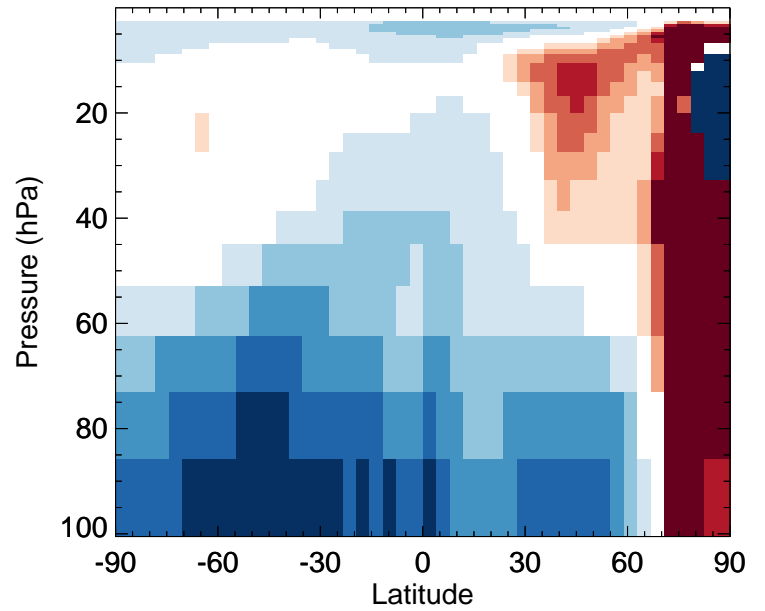
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BrO - Strat zonal mean abs diff for Jan



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

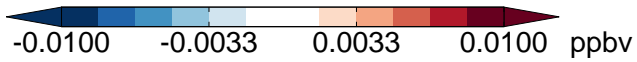
BrO - Strat zonal mean % diff for Jan



GEOS-Chem Stratospheric Zonal Difference Maps

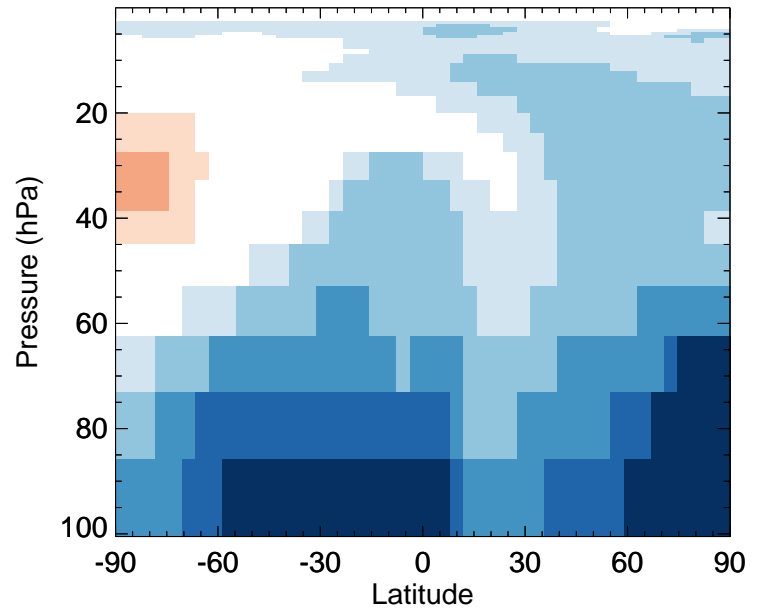
GC\_12.0.0 - v11-02f-Run1

HOBr - Strat zonal mean abs diff for Jan



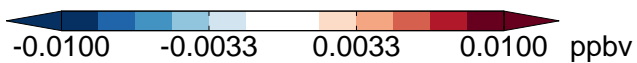
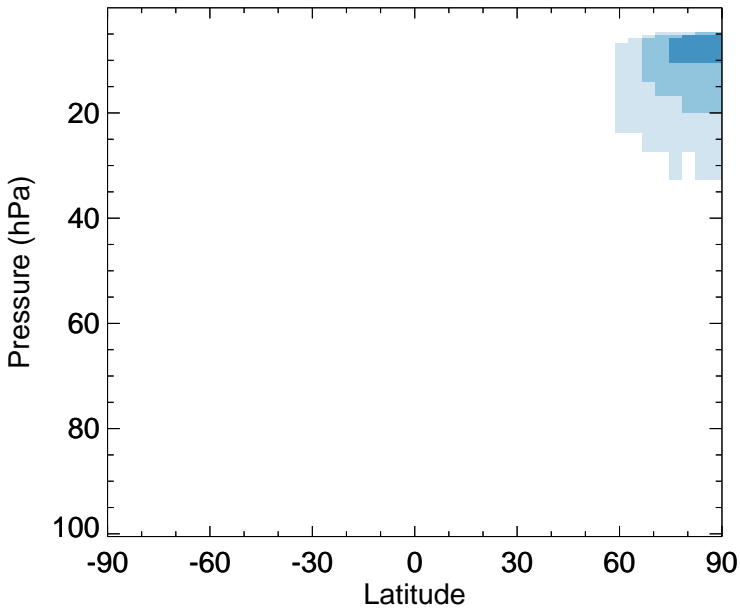
GC\_12.0.0 / v11-02f-Run1

HOBr - Strat zonal mean % diff for Jan



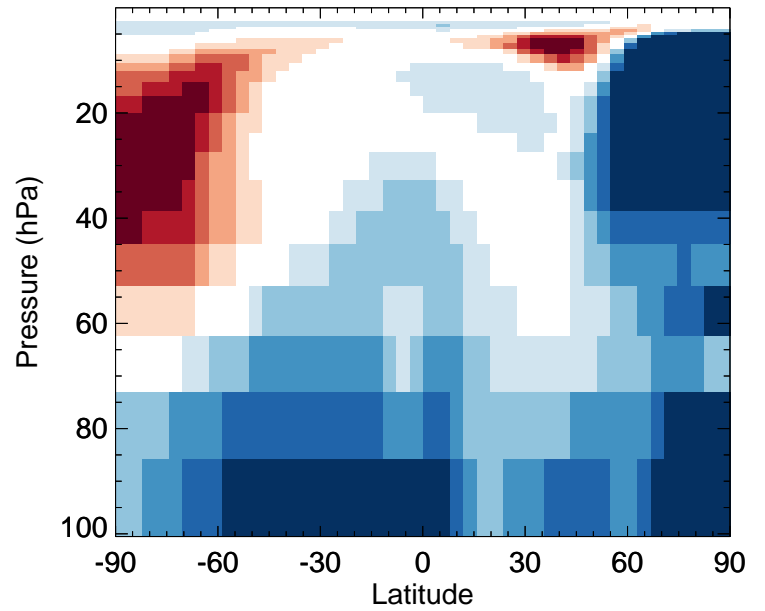
GC\_12.0.0 - v11-02e-Run1

HOBr - Strat zonal mean abs diff for Jan



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

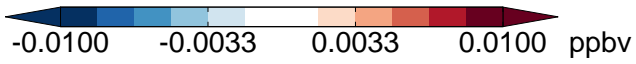
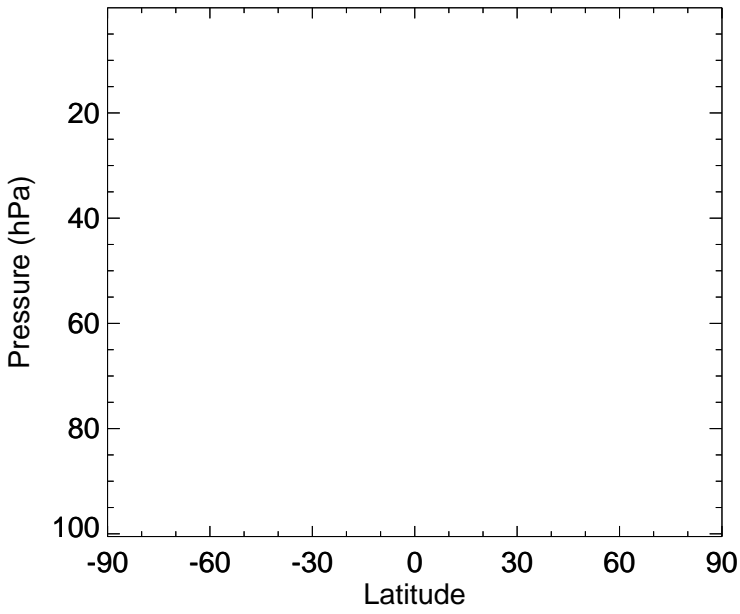
HOBr - Strat zonal mean % diff for Jan



GEOS-Chem Stratospheric Zonal Difference Maps

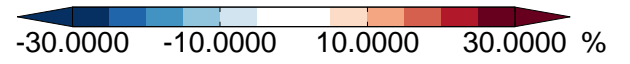
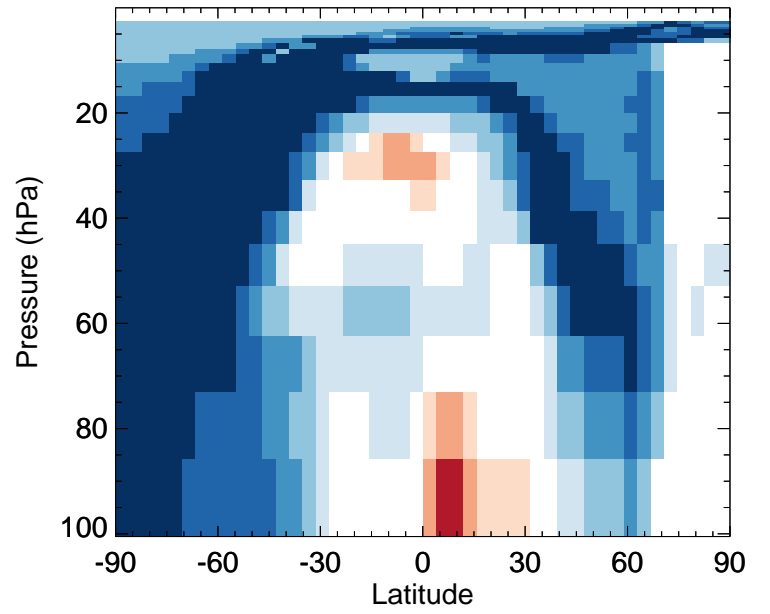
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HBr - Strat zonal mean abs diff for Jan



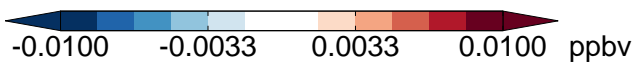
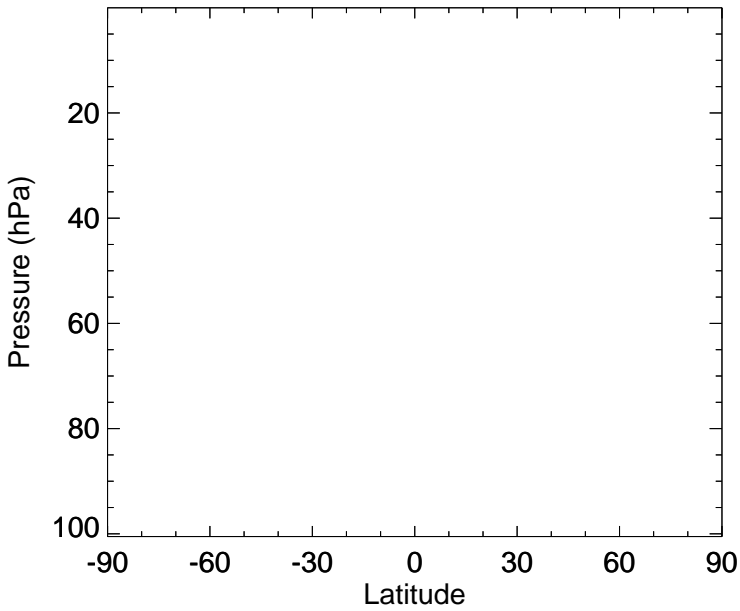
GC\_12.0.0 / v11-02f-Run1

HBr - Strat zonal mean % diff for Jan



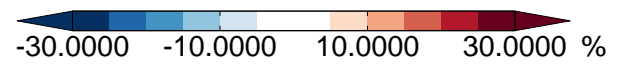
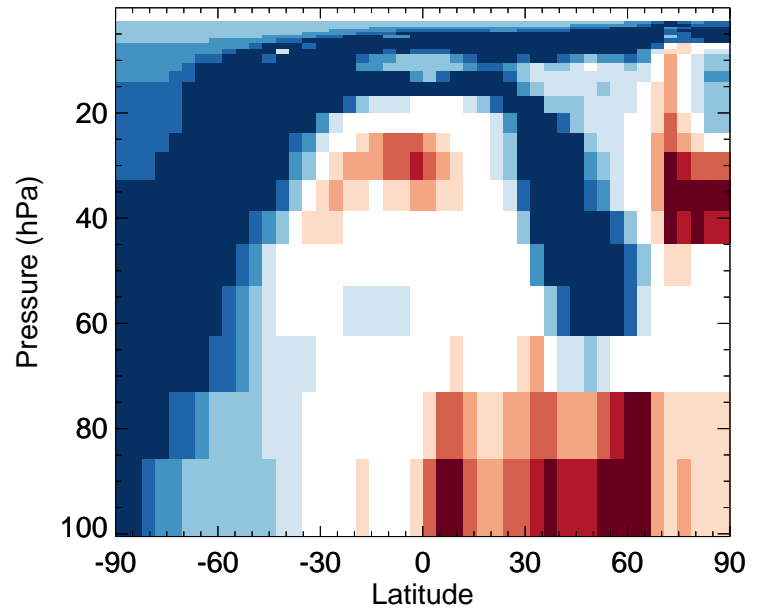
GC\_12.0.0 - v11-02e-Run1

HBr - Strat zonal mean abs diff for Jan



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

HBr - Strat zonal mean % diff for Jan





# GEOS-Chem Stratospheric Zonal Difference Maps

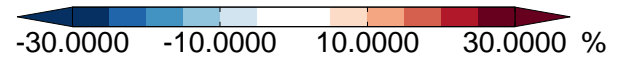
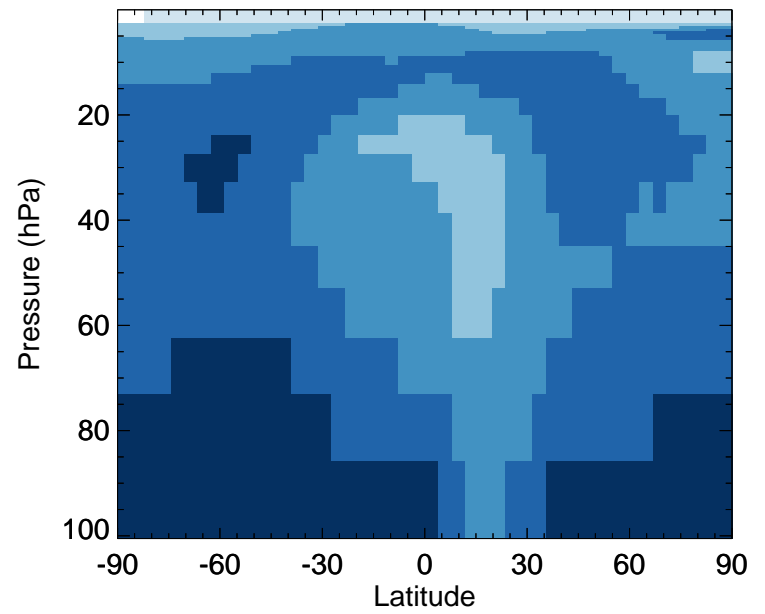
GC\_12.0.0 - v11-02f-Run1

BrNO2 - Strat zonal mean abs diff for Jan



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

BrNO2 - Strat zonal mean % diff for Jan



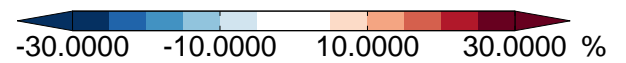
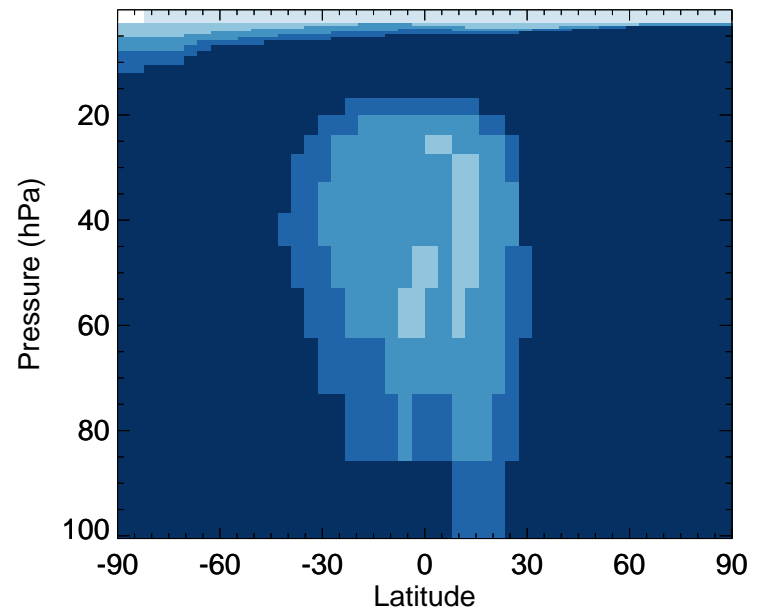
GC\_12.0.0 - v11-02e-Run1

BrNO2 - Strat zonal mean abs diff for Jan



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

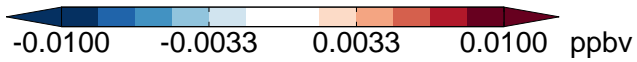
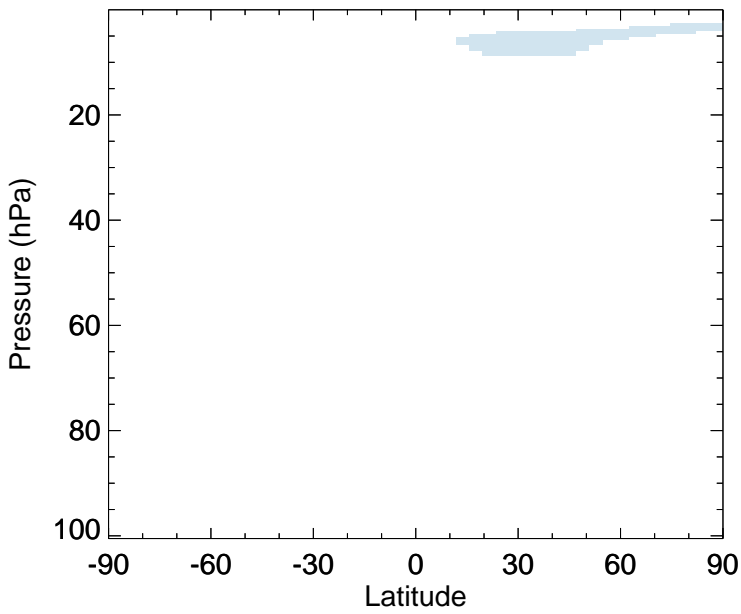
BrNO2 - Strat zonal mean % diff for Jan



# GEOS-Chem Stratospheric Zonal Difference Maps

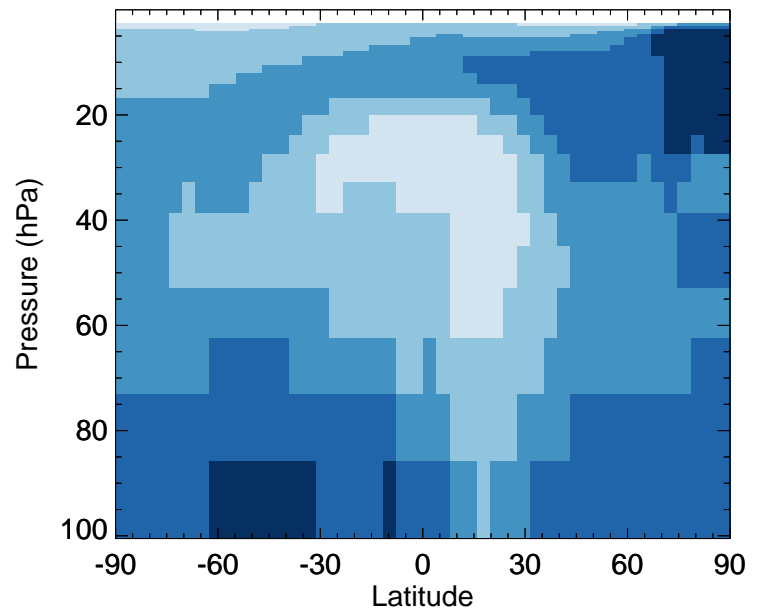
## GC\_12.0.0 - v11-02f-Run1

BrNO3 - Strat zonal mean abs diff for Jan



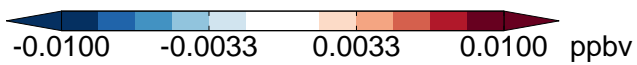
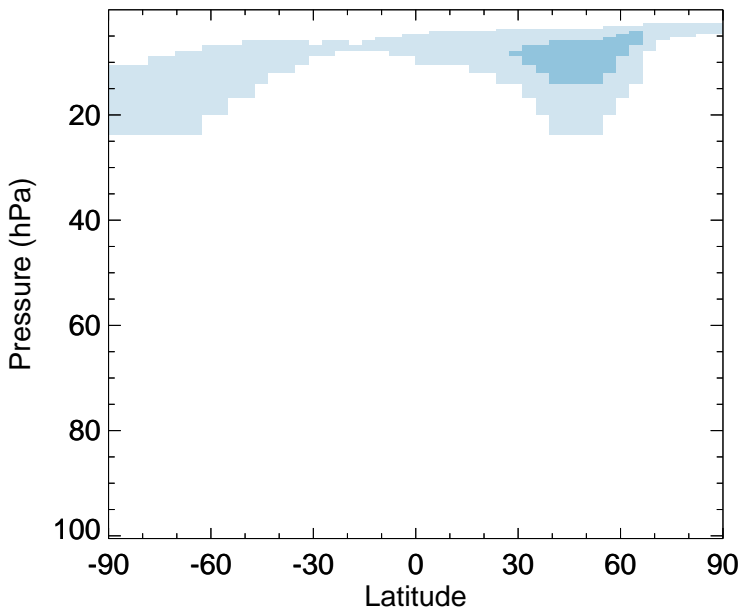
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BrNO3 - Strat zonal mean % diff for Jan



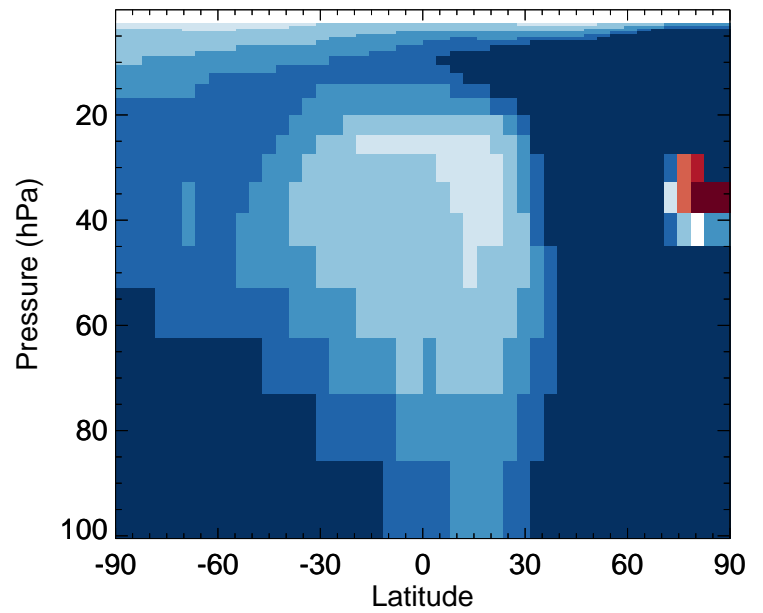
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BrNO3 - Strat zonal mean abs diff for Jan



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

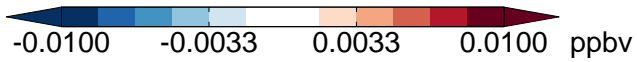
BrNO3 - Strat zonal mean % diff for Jan



GEOS-Chem Stratospheric Zonal Difference Maps

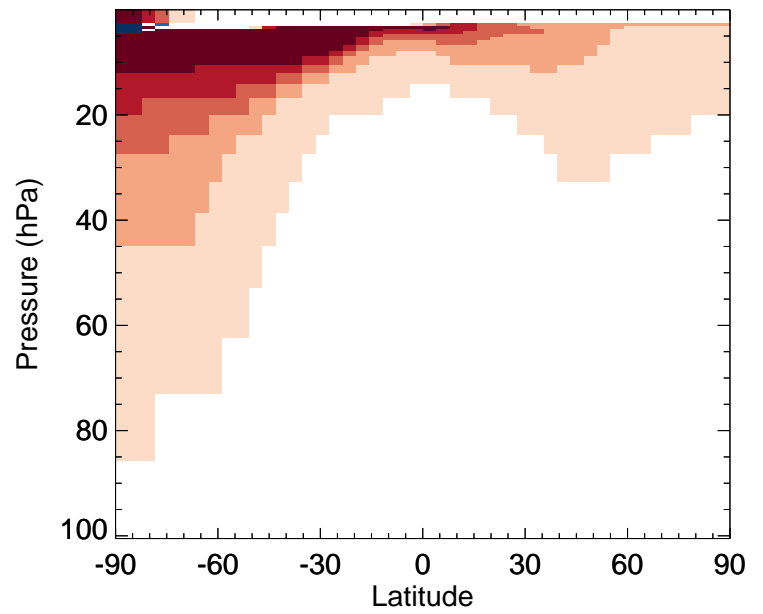
GC\_12.0.0 - v11-02f-Run1

CHBr3 - Strat zonal mean abs diff for Jan



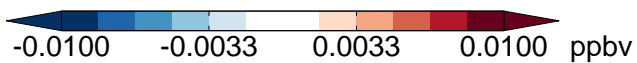
GC\_12.0.0 / v11-02f-Run1

CHBr3 - Strat zonal mean % diff for Jan



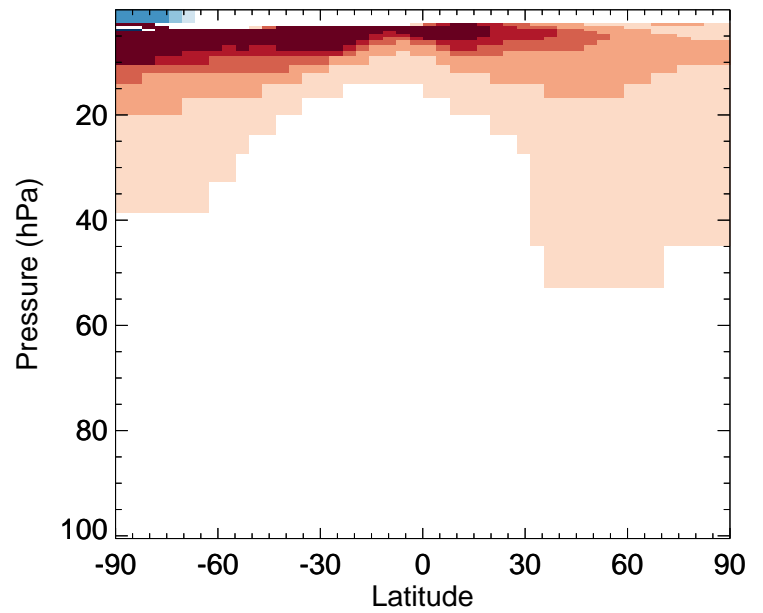
GC\_12.0.0 - v11-02e-Run1

CHBr3 - Strat zonal mean abs diff for Jan



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

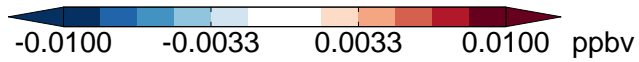
CHBr3 - Strat zonal mean % diff for Jan



GEOS-Chem Stratospheric Zonal Difference Maps

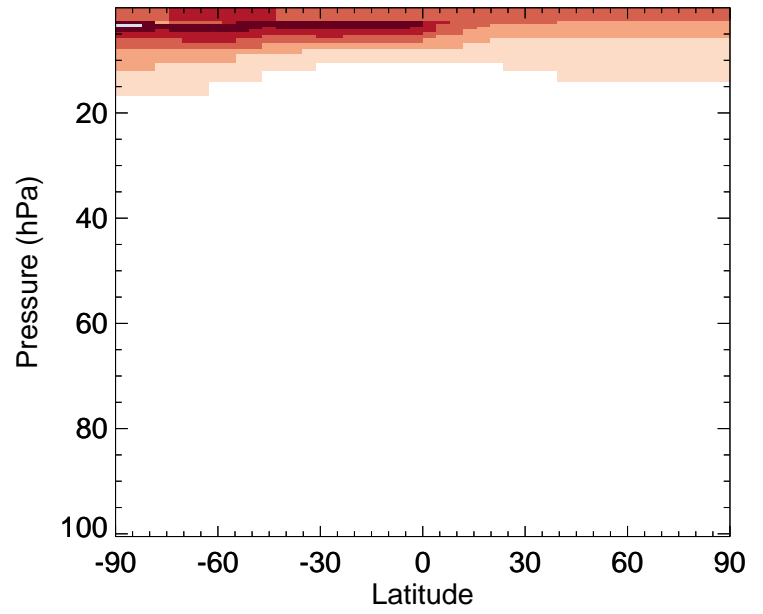
GC\_12.0.0 - v11-02f-Run1

CH2Br2 - Strat zonal mean abs diff for Jan



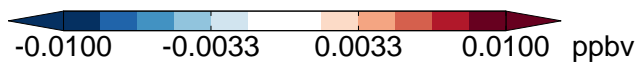
GC\_12.0.0 / v11-02f-Run1

CH2Br2 - Strat zonal mean % diff for Jan



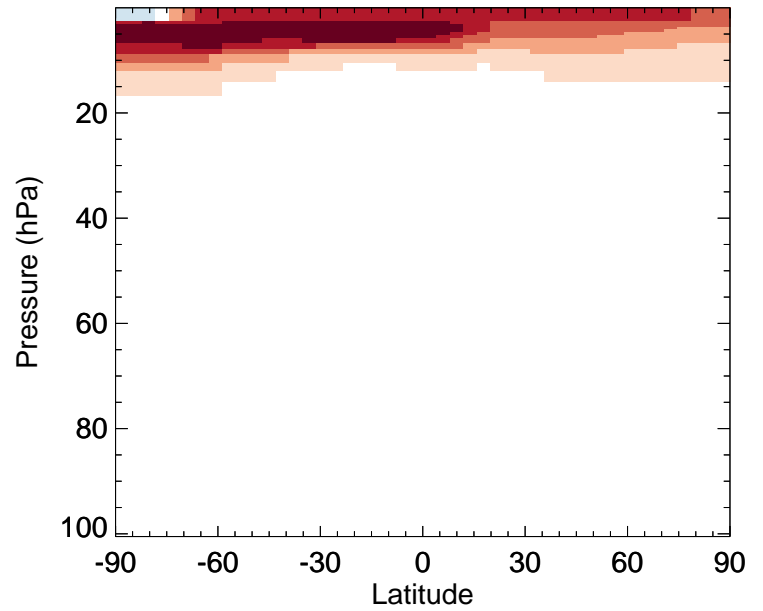
GC\_12.0.0 - v11-02e-Run1

CH2Br2 - Strat zonal mean abs diff for Jan



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

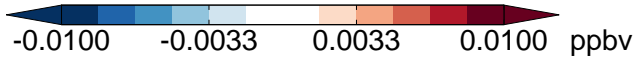
CH2Br2 - Strat zonal mean % diff for Jan



GEOS-Chem Stratospheric Zonal Difference Maps

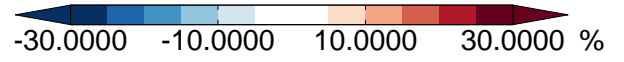
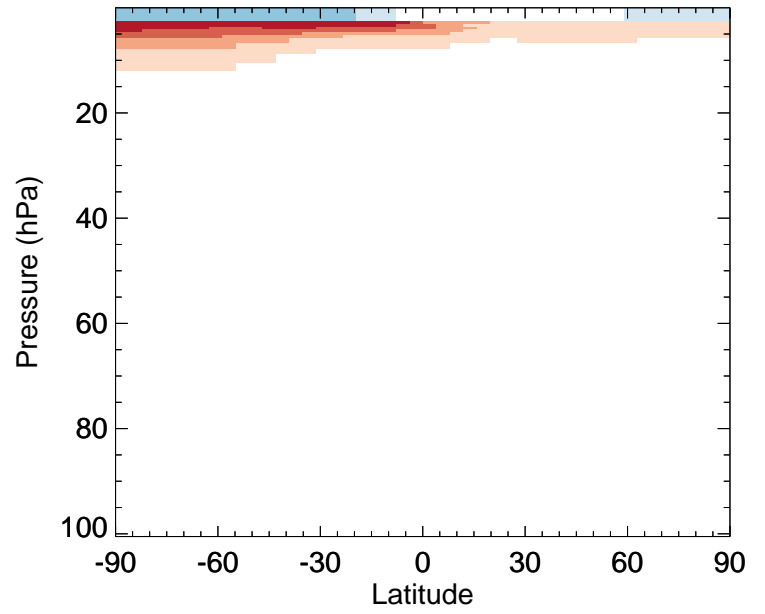
GC\_12.0.0 - v11-02f-Run1

CH3Br - Strat zonal mean abs diff for Jan



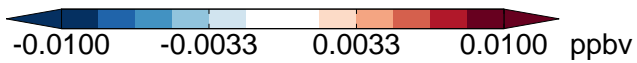
GC\_12.0.0 / v11-02f-Run1

CH3Br - Strat zonal mean % diff for Jan



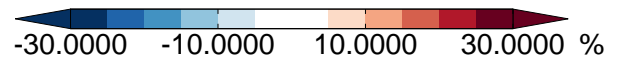
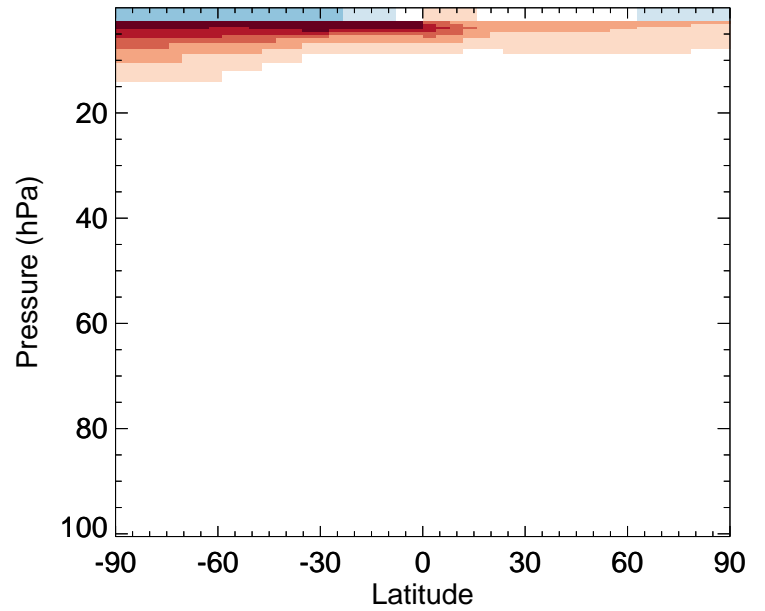
GC\_12.0.0 - v11-02e-Run1

CH3Br - Strat zonal mean abs diff for Jan



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

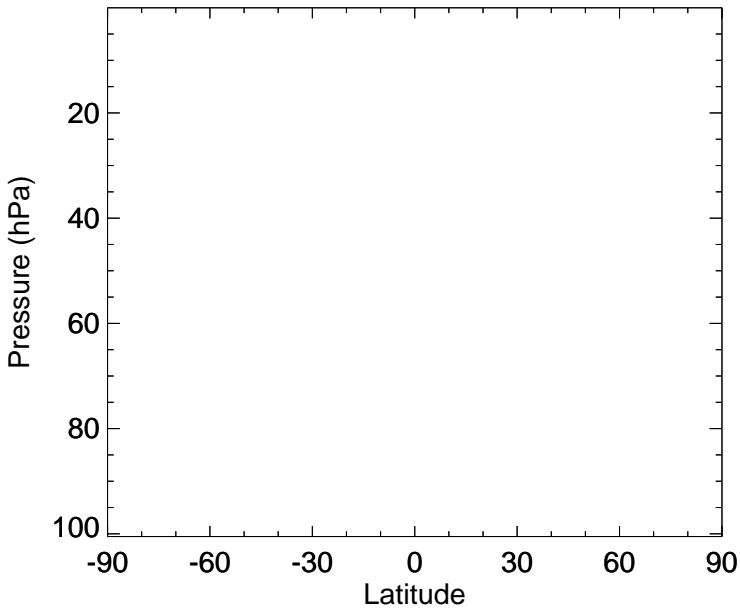
CH3Br - Strat zonal mean % diff for Jan



# GEOS-Chem Stratospheric Zonal Difference Maps

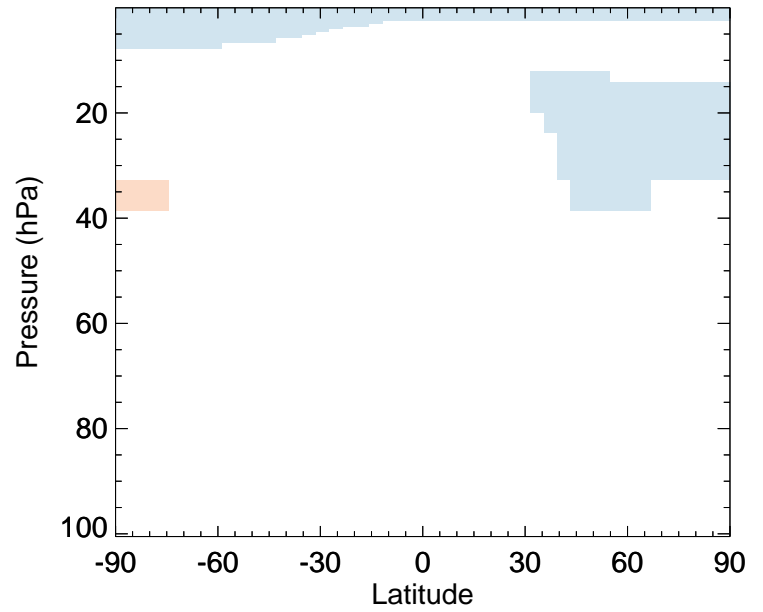
GC\_12.0.0 - v11-02f-Run1

MPN - Strat zonal mean abs diff for Jan



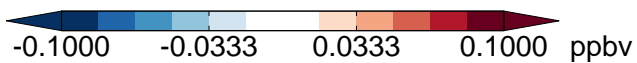
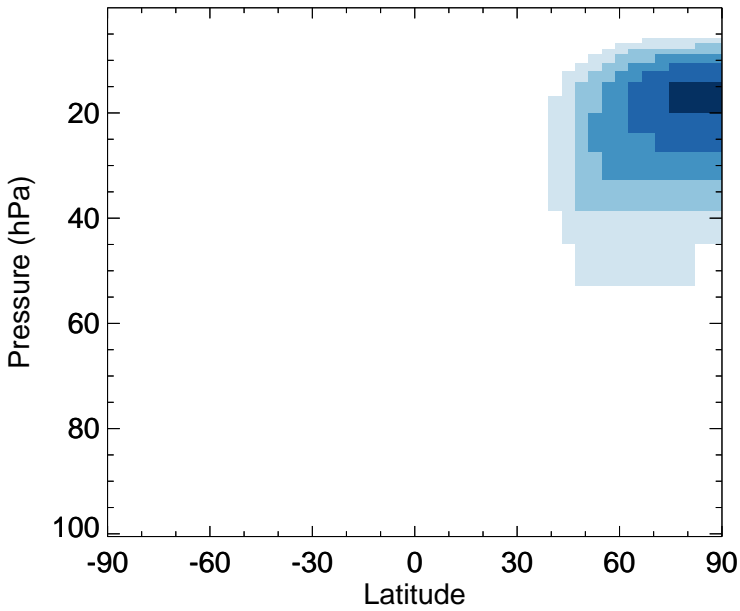
GC\_12.0.0 / v11-02f-Run1

MPN - Strat zonal mean % diff for Jan



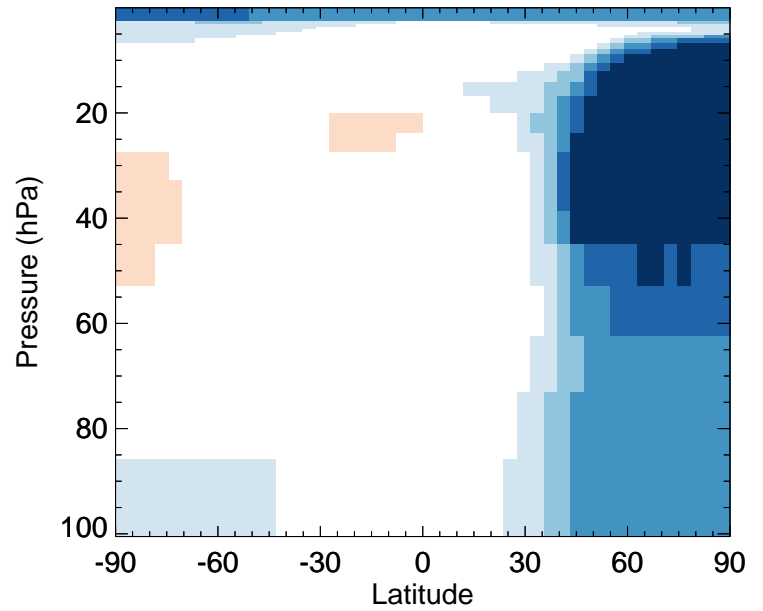
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MPN - Strat zonal mean abs diff for Jan



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

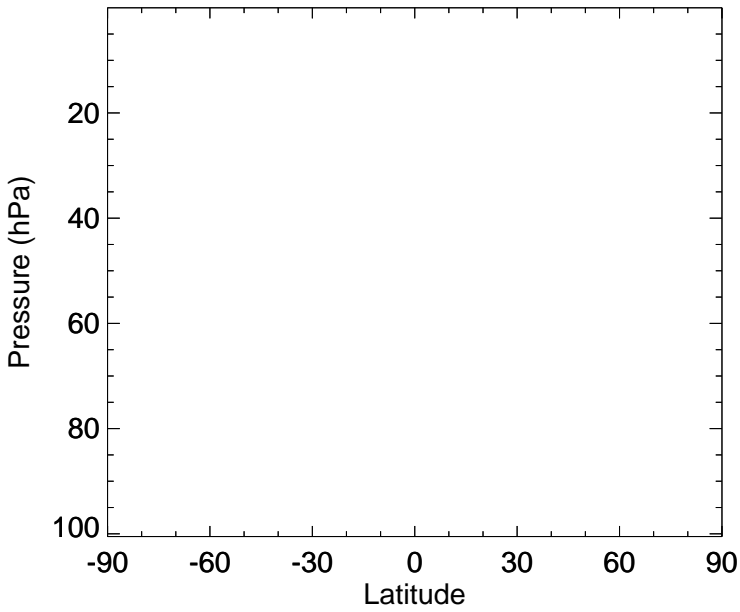
MPN - Strat zonal mean % diff for Jan



# GEOS-Chem Stratospheric Zonal Difference Maps

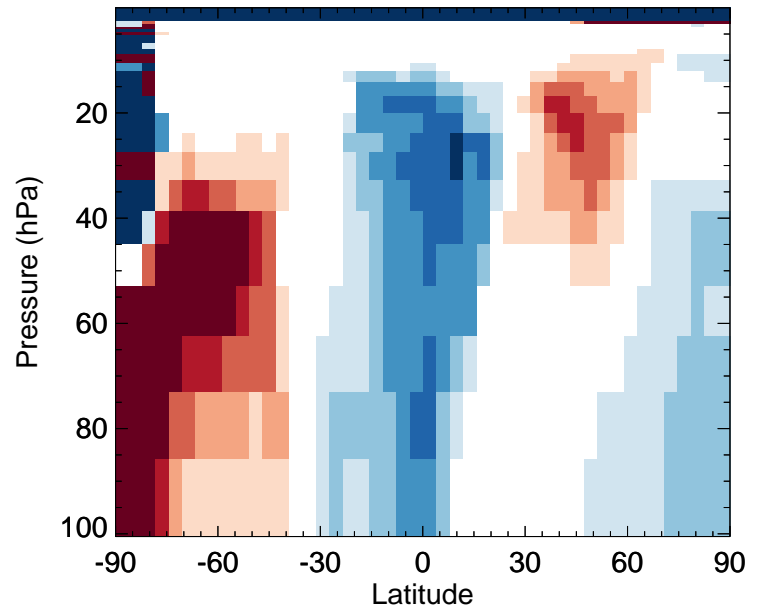
GC\_12.0.0 - v11-02f-Run1

ISOPND - Strat zonal mean abs diff for Jan



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

ISOPND - Strat zonal mean % diff for Jan



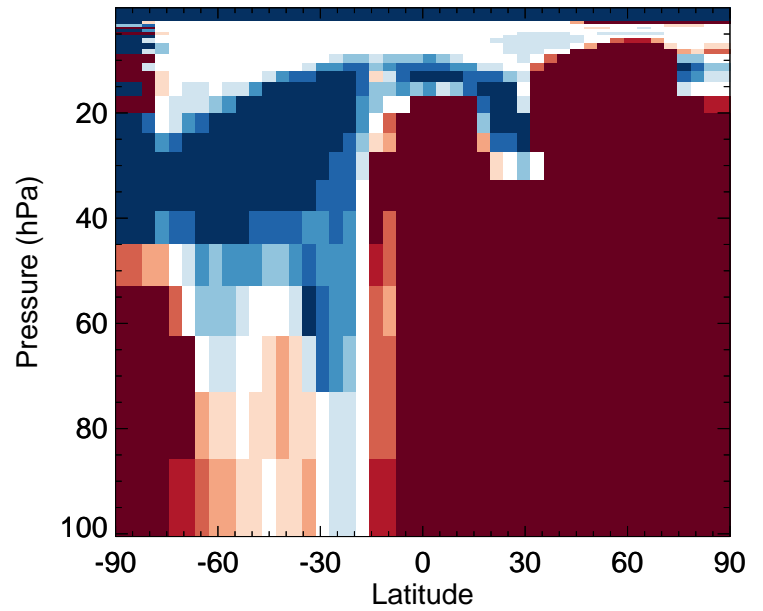
GC\_12.0.0 - v11-02e-Run1

ISOPND - Strat zonal mean abs diff for Jan



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

ISOPND - Strat zonal mean % diff for Jan



# GEOS-Chem Stratospheric Zonal Difference Maps

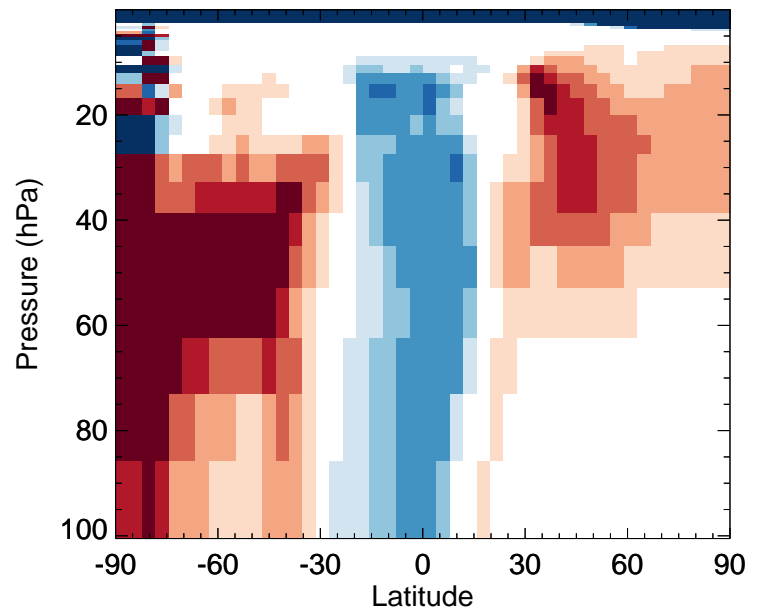
GC\_12.0.0 - v11-02f-Run1

ISOPNB - Strat zonal mean abs diff for Jan



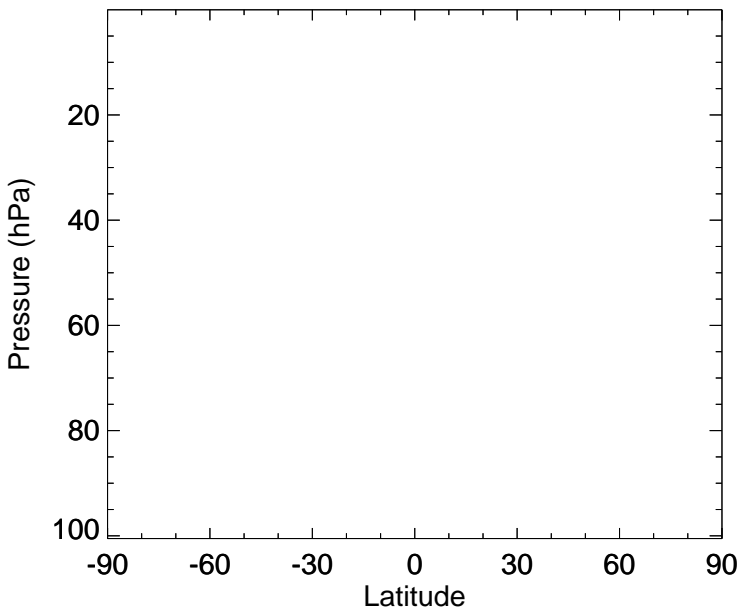
GC\_12.0.0 / v11-02f-Run1

ISOPNB - Strat zonal mean % diff for Jan



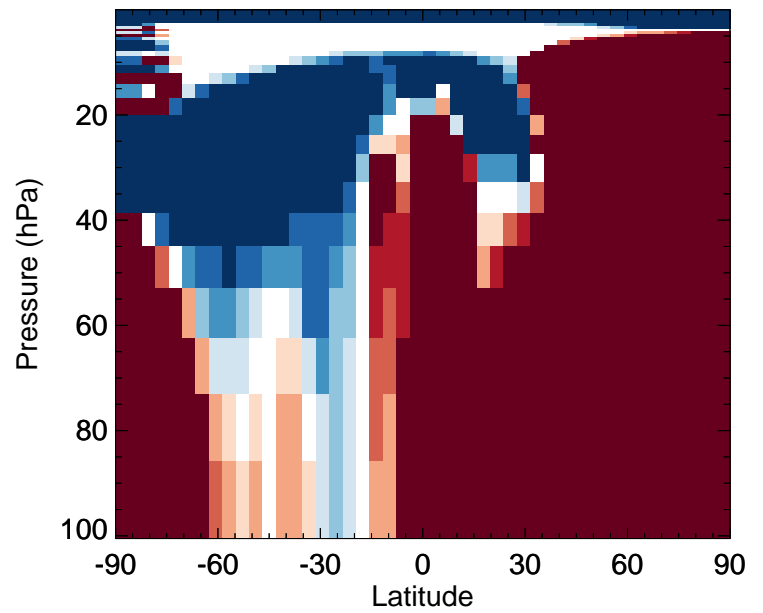
GC\_12.0.0 - v11-02e-Run1

ISOPNB - Strat zonal mean abs diff for Jan



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

ISOPNB - Strat zonal mean % diff for Jan





GEOS-Chem Stratospheric Zonal Difference Maps

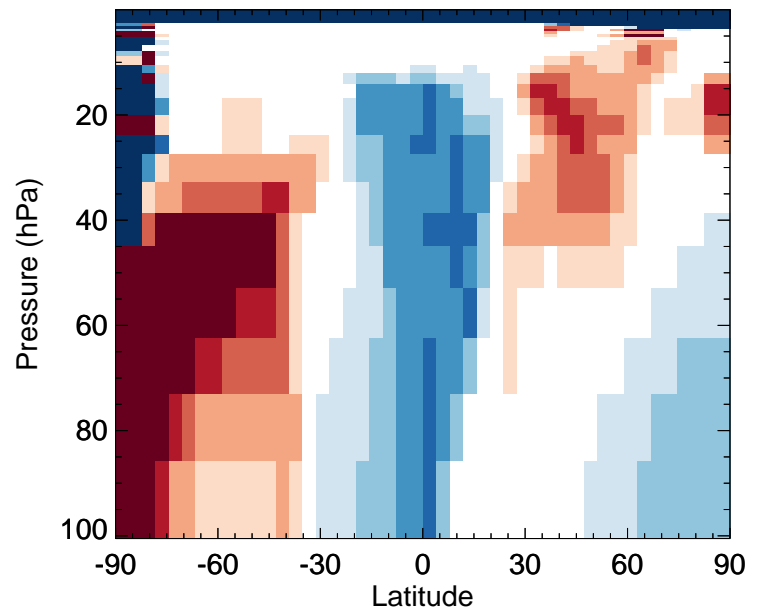
GC\_12.0.0 - v11-02f-Run1

MOBA - Strat zonal mean abs diff for Jan



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

MOBA - Strat zonal mean % diff for Jan



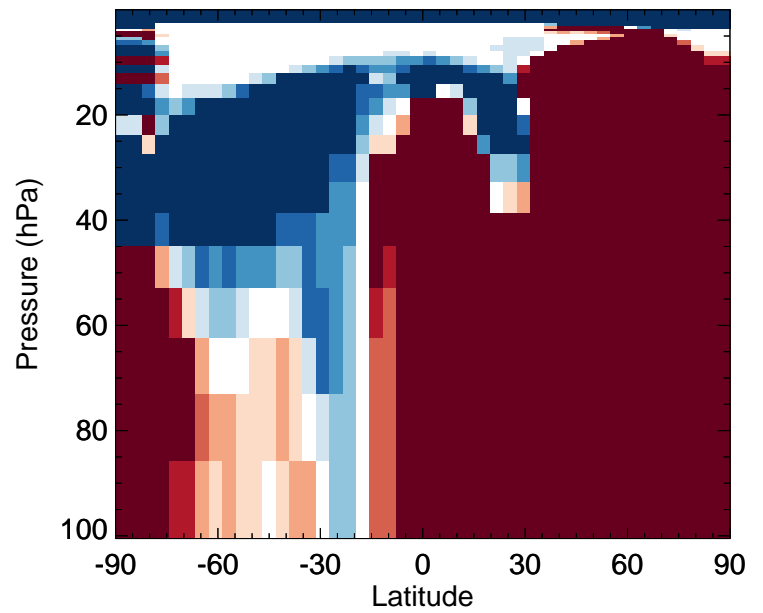
GC\_12.0.0 - v11-02e-Run1

MOBA - Strat zonal mean abs diff for Jan



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

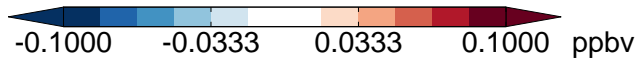
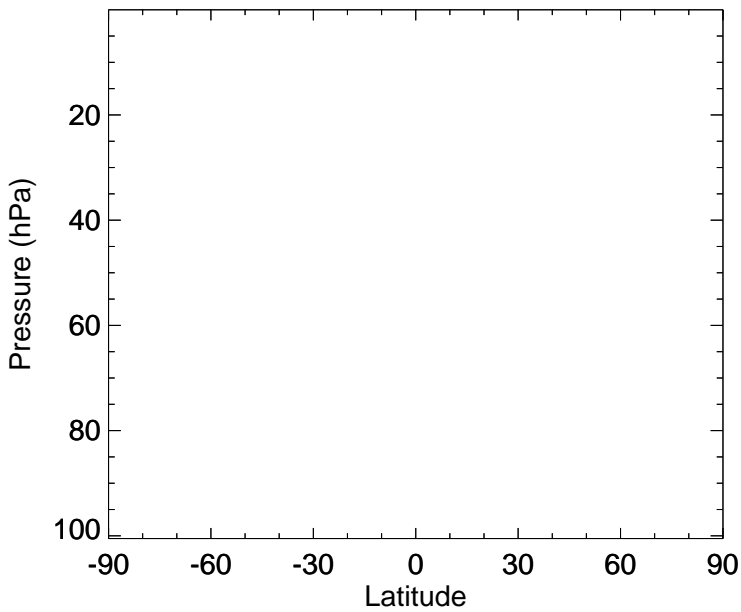
MOBA - Strat zonal mean % diff for Jan



# GEOS-Chem Stratospheric Zonal Difference Maps

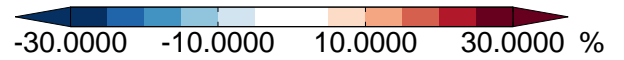
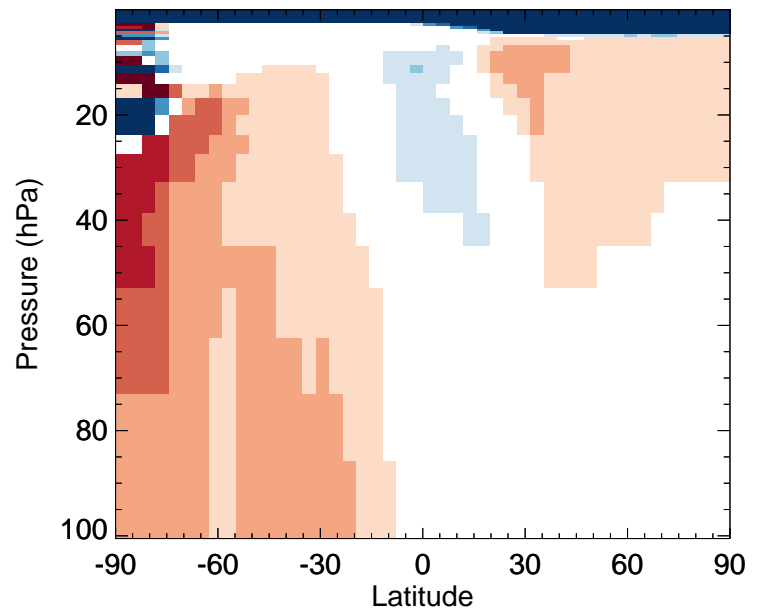
GC\_12.0.0 - v11-02f-Run1

PROPNN - Strat zonal mean abs diff for Jan



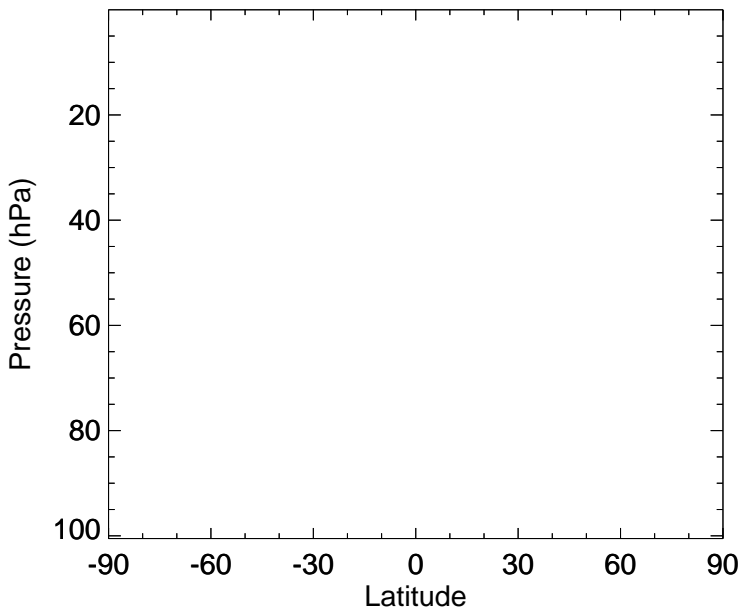
GC\_12.0.0 / v11-02f-Run1

PROPNN - Strat zonal mean % diff for Jan



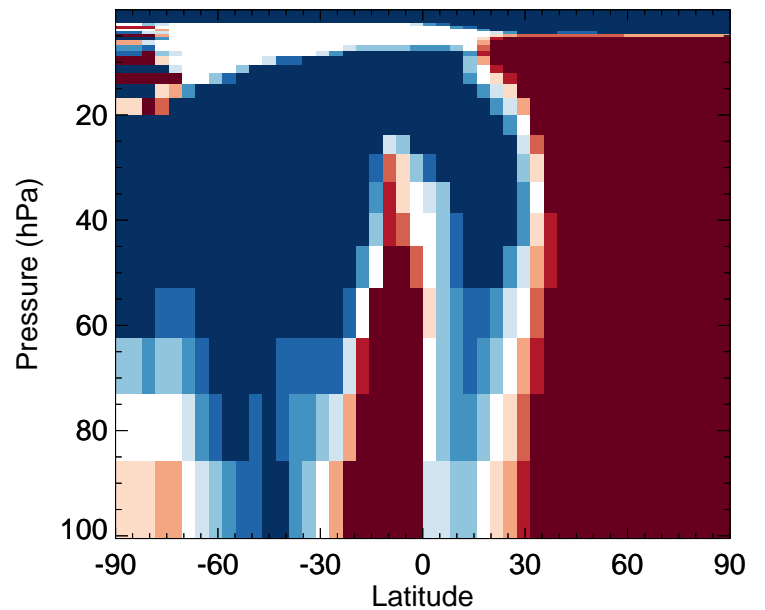
GC\_12.0.0 - v11-02e-Run1

PROPNN - Strat zonal mean abs diff for Jan



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

PROPNN - Strat zonal mean % diff for Jan



# GEOS-Chem Stratospheric Zonal Difference Maps

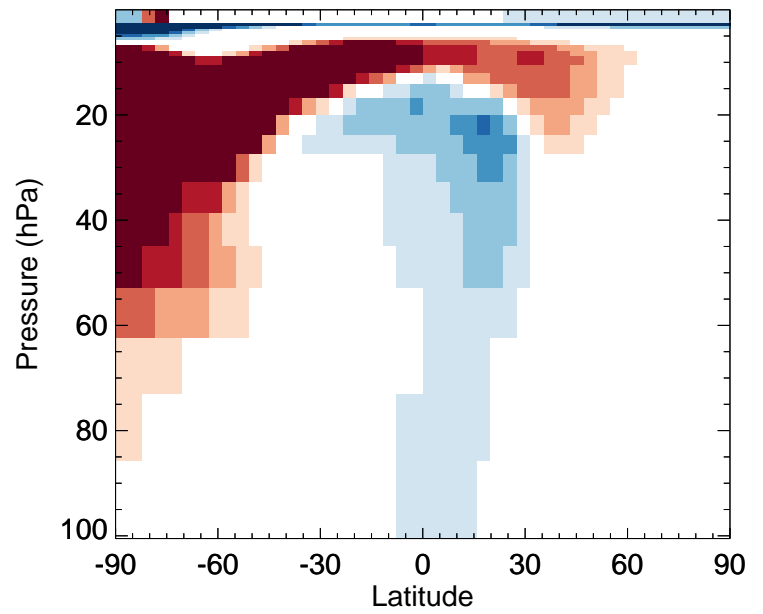
## GC\_12.0.0 - v11-02f-Run1

HAC - Strat zonal mean abs diff for Jan



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

HAC - Strat zonal mean % diff for Jan



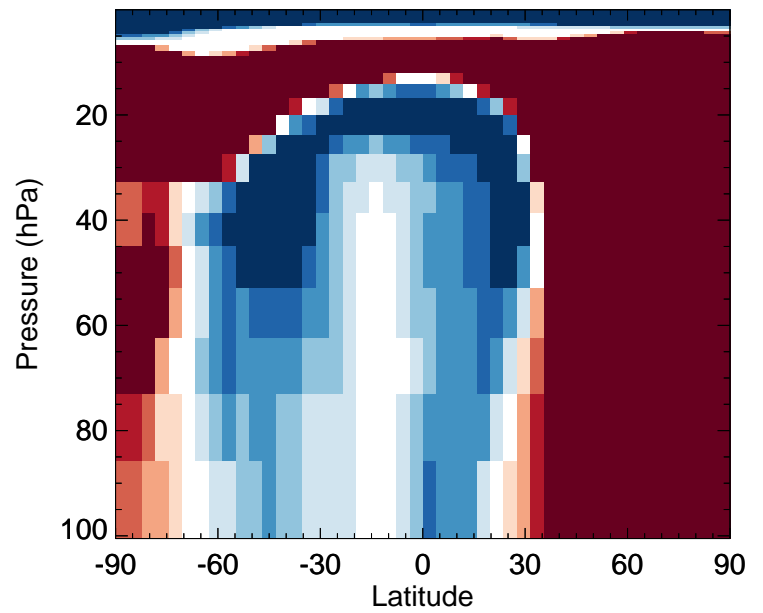
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HAC - Strat zonal mean abs diff for Jan



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

HAC - Strat zonal mean % diff for Jan



# GEOS-Chem Stratospheric Zonal Difference Maps

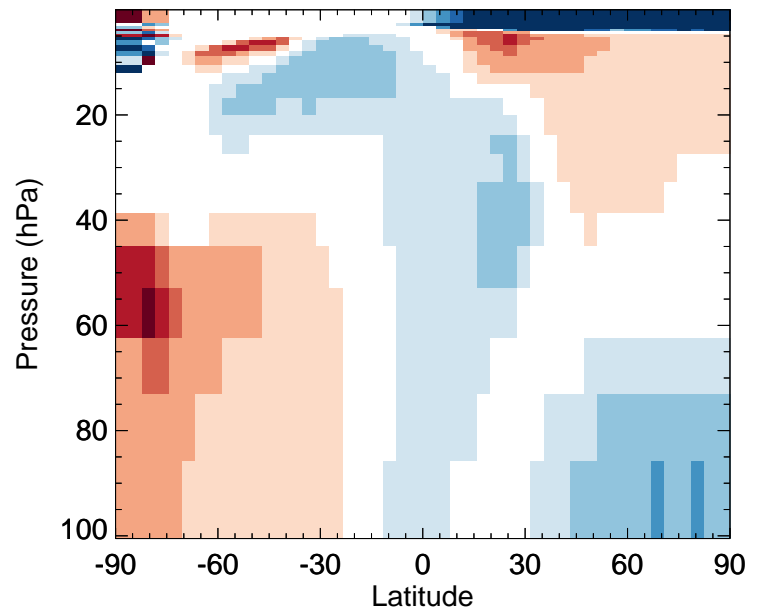
GC\_12.0.0 - v11-02f-Run1

GLYC - Strat zonal mean abs diff for Jan



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

GLYC - Strat zonal mean % diff for Jan



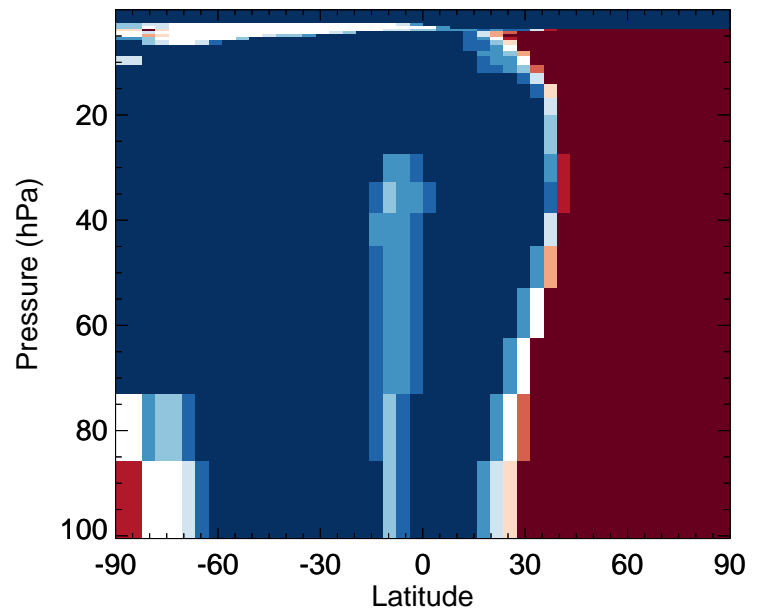
GC\_12.0.0 - v11-02e-Run1

GLYC - Strat zonal mean abs diff for Jan



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

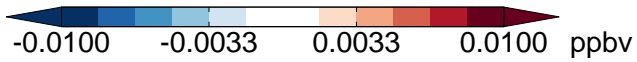
GLYC - Strat zonal mean % diff for Jan



GEOS-Chem Stratospheric Zonal Difference Maps

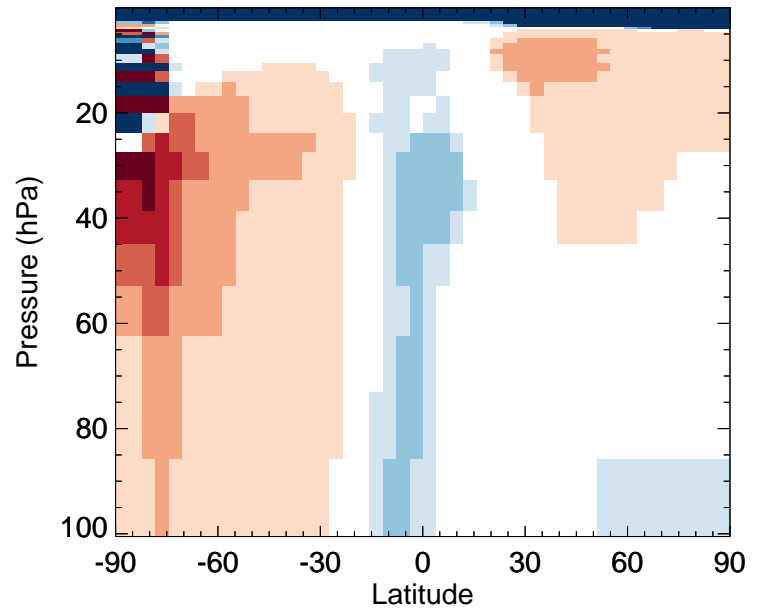
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MVKN - Strat zonal mean abs diff for Jan



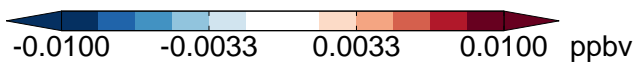
GC\_12.0.0 / v11-02f-Run1

MVKN - Strat zonal mean % diff for Jan



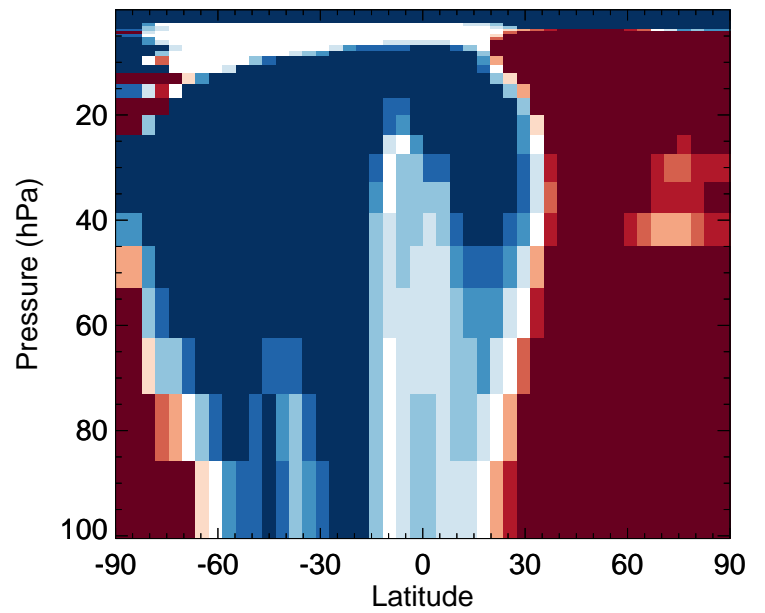
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MVKN - Strat zonal mean abs diff for Jan



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

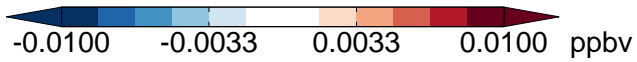
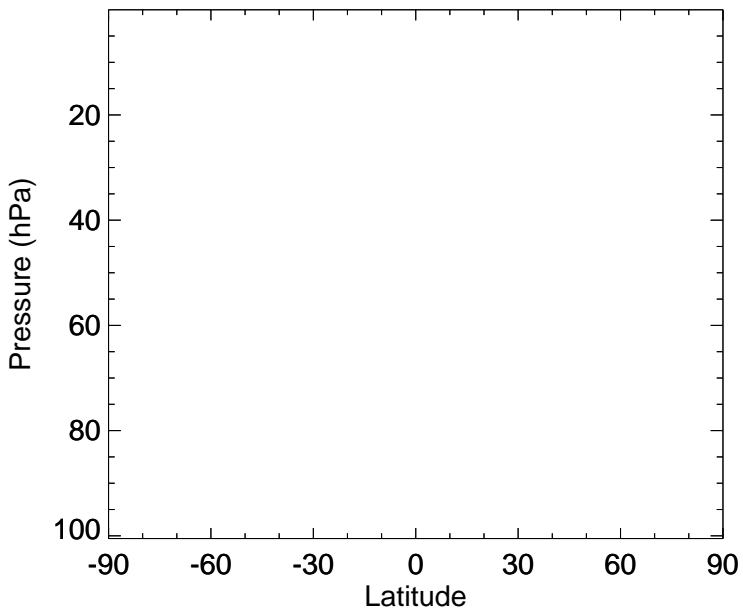
MVKN - Strat zonal mean % diff for Jan



# GEOS-Chem Stratospheric Zonal Difference Maps

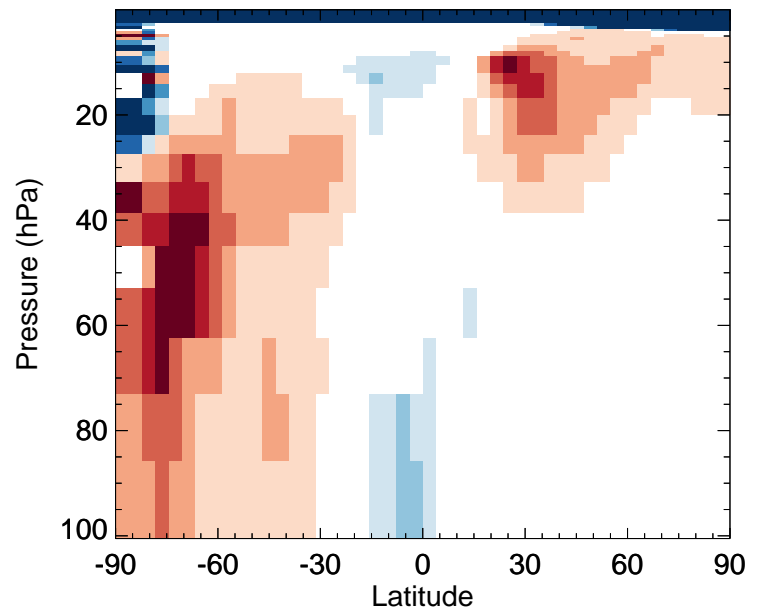
GC\_12.0.0 - v11-02f-Run1

MACRN - Strat zonal mean abs diff for Jan



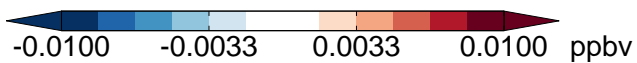
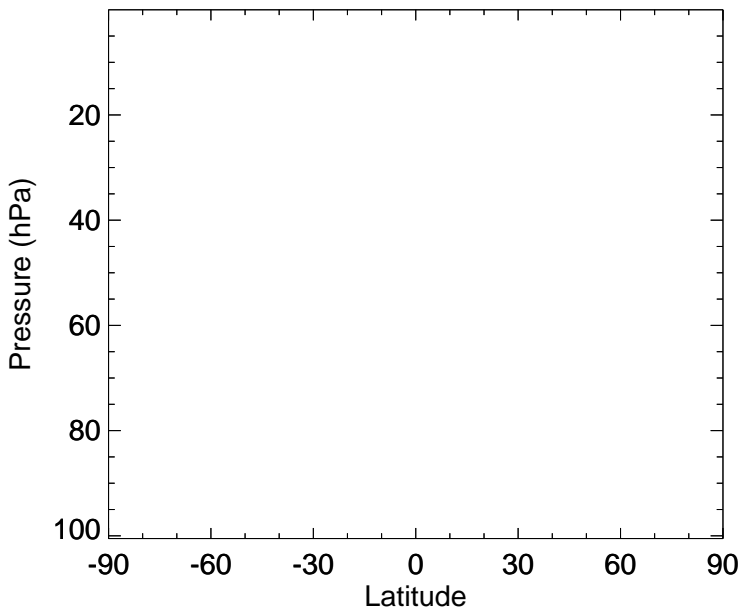
GC\_12.0.0 / v11-02f-Run1

MACRN - Strat zonal mean % diff for Jan



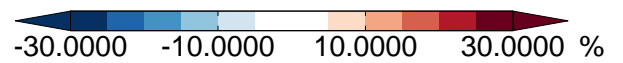
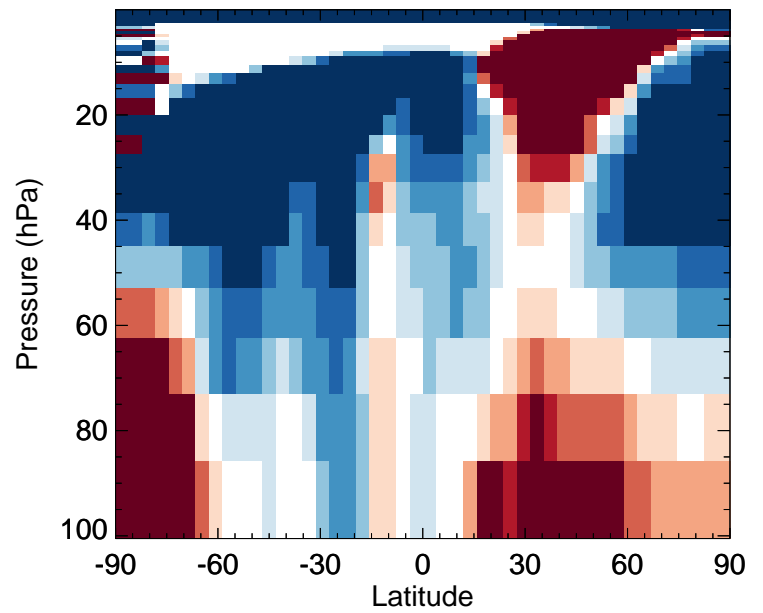
GC\_12.0.0 - v11-02e-Run1

MACRN - Strat zonal mean abs diff for Jan



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

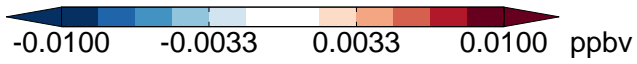
MACRN - Strat zonal mean % diff for Jan



# GEOS-Chem Stratospheric Zonal Difference Maps

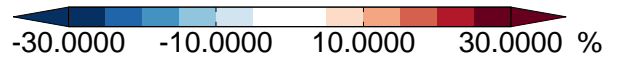
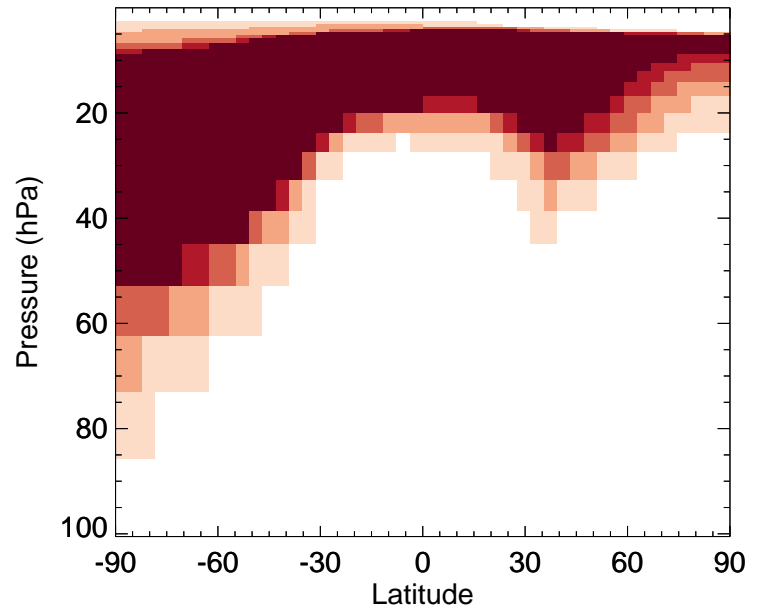
GC\_12.0.0 - v11-02f-Run1

MAP - Strat zonal mean abs diff for Jan



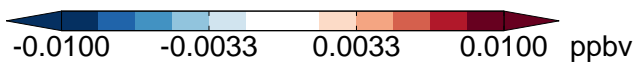
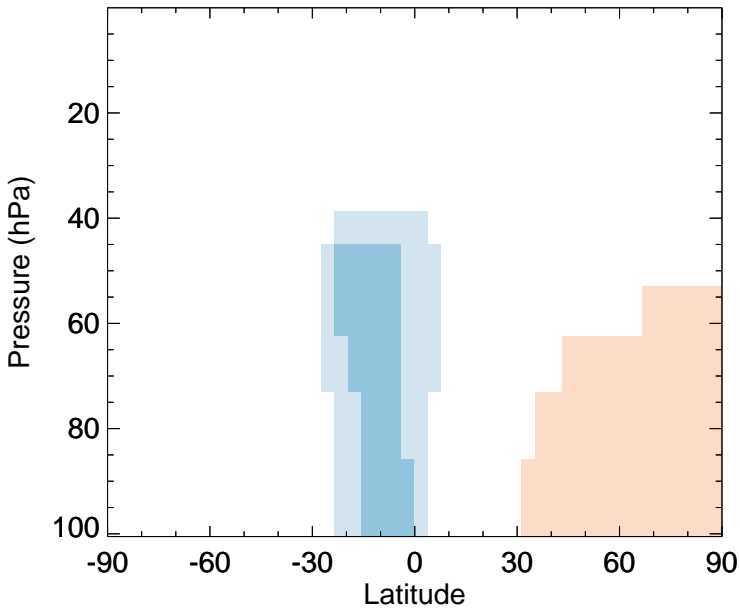
GC\_12.0.0 / v11-02f-Run1

MAP - Strat zonal mean % diff for Jan



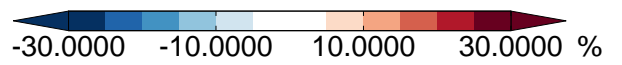
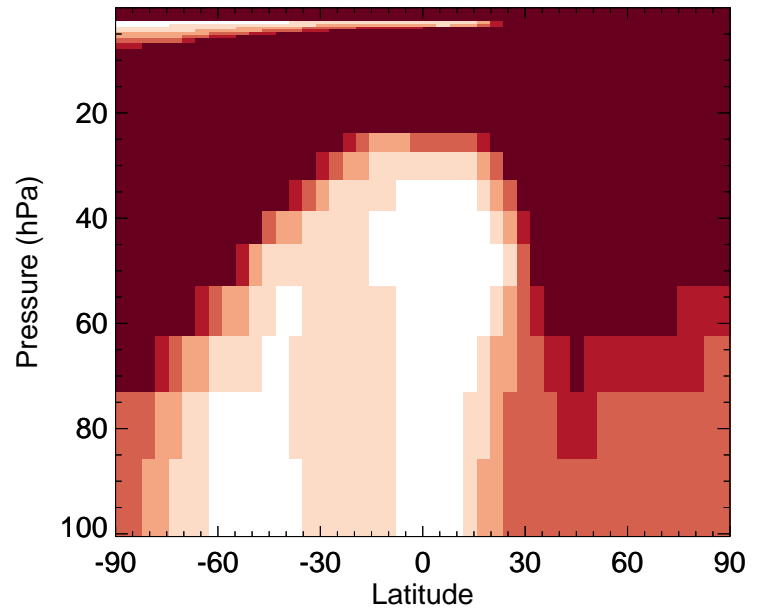
GC\_12.0.0 - v11-02e-Run1

MAP - Strat zonal mean abs diff for Jan



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

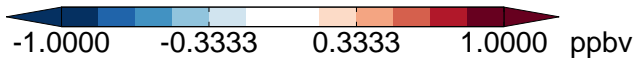
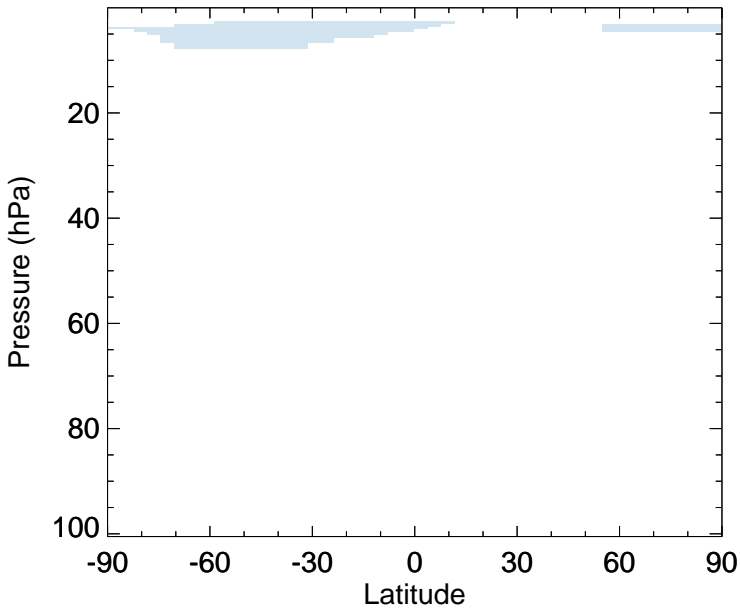
MAP - Strat zonal mean % diff for Jan



# GEOS-Chem Stratospheric Zonal Difference Maps

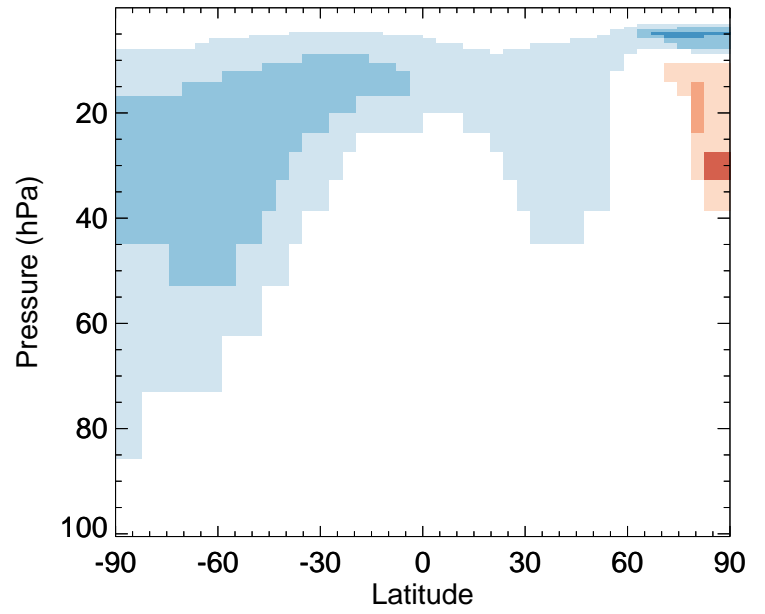
GC\_12.0.0 - v11-02f-Run1

NO2 - Strat zonal mean abs diff for Jan



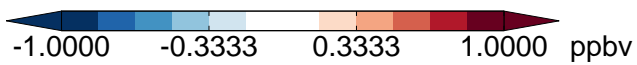
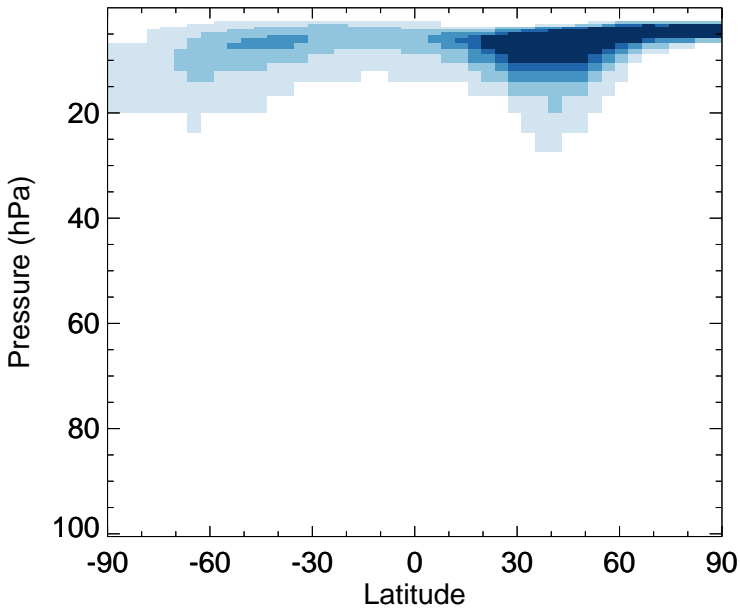
GC\_12.0.0 / v11-02f-Run1

NO2 - Strat zonal mean % diff for Jan



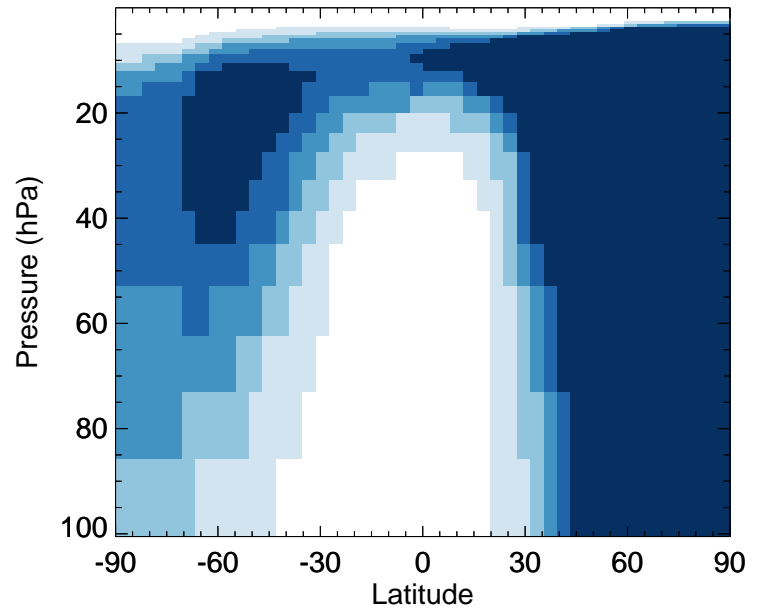
GC\_12.0.0 - v11-02e-Run1

NO2 - Strat zonal mean abs diff for Jan



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

NO2 - Strat zonal mean % diff for Jan

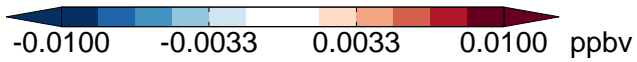
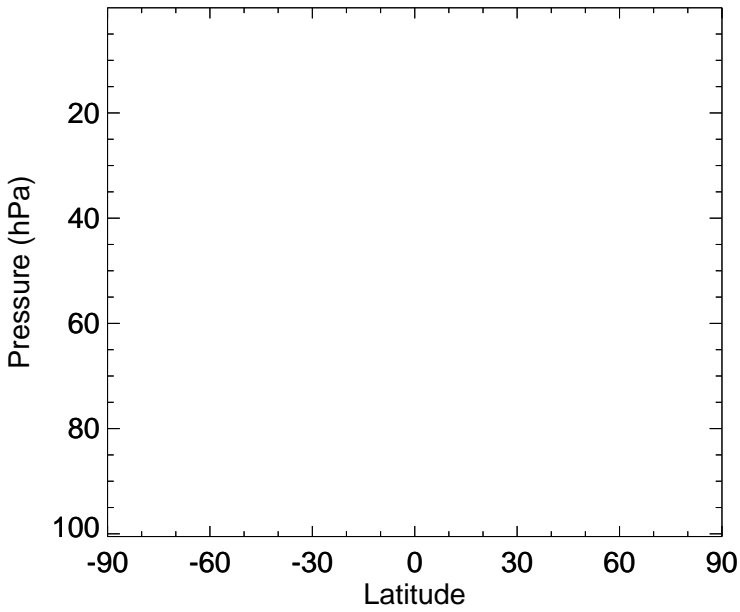




GEOS-Chem Stratospheric Zonal Difference Maps

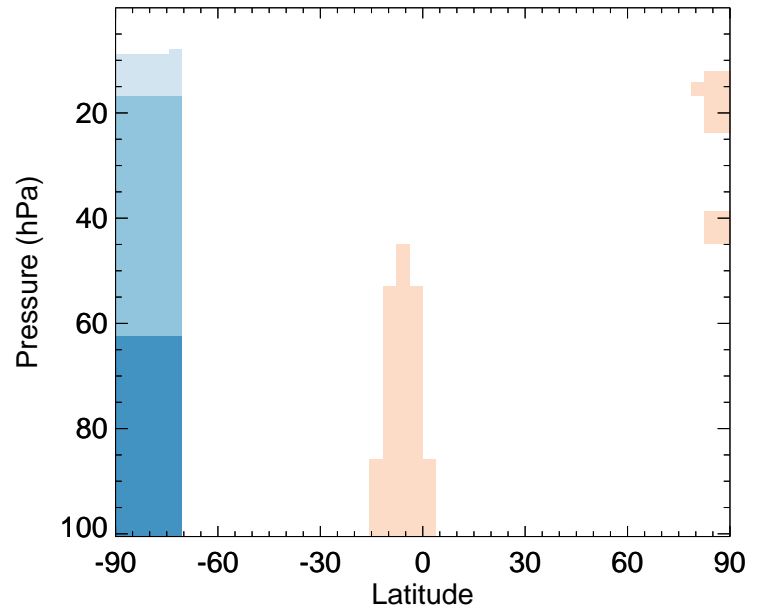
GC\_12.0.0 - v11-02f-Run1

NO3 - Strat zonal mean abs diff for Jan



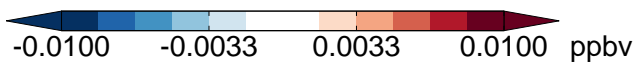
GC\_12.0.0 / v11-02f-Run1

NO3 - Strat zonal mean % diff for Jan



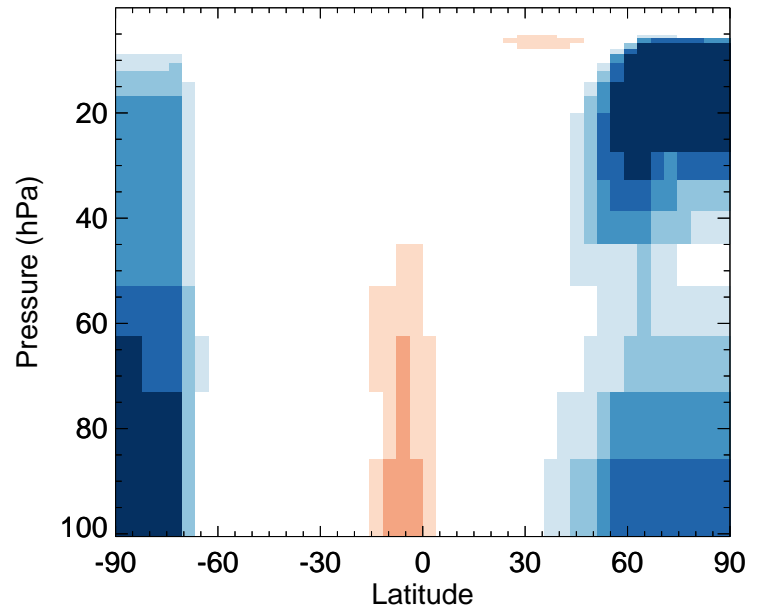
GC\_12.0.0 - v11-02e-Run1

NO3 - Strat zonal mean abs diff for Jan



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

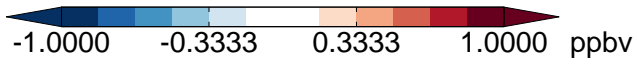
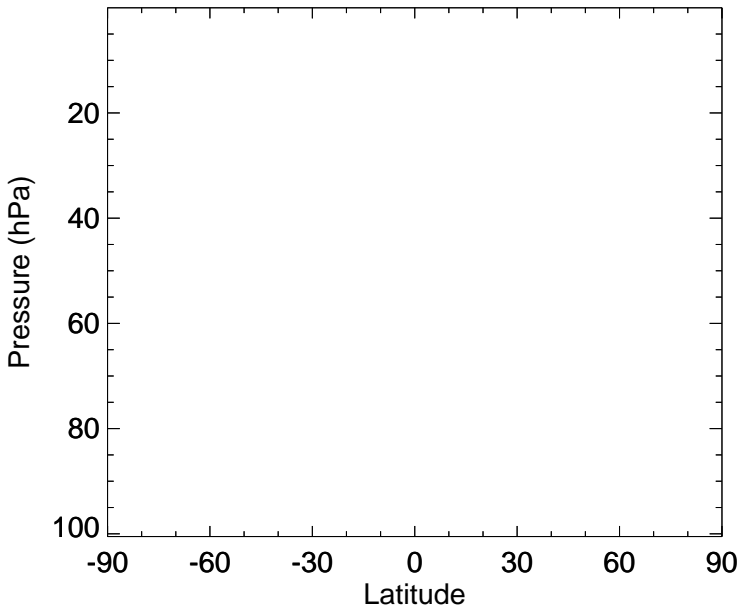
NO3 - Strat zonal mean % diff for Jan



GEOS-Chem Stratospheric Zonal Difference Maps

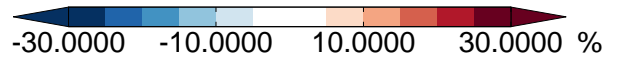
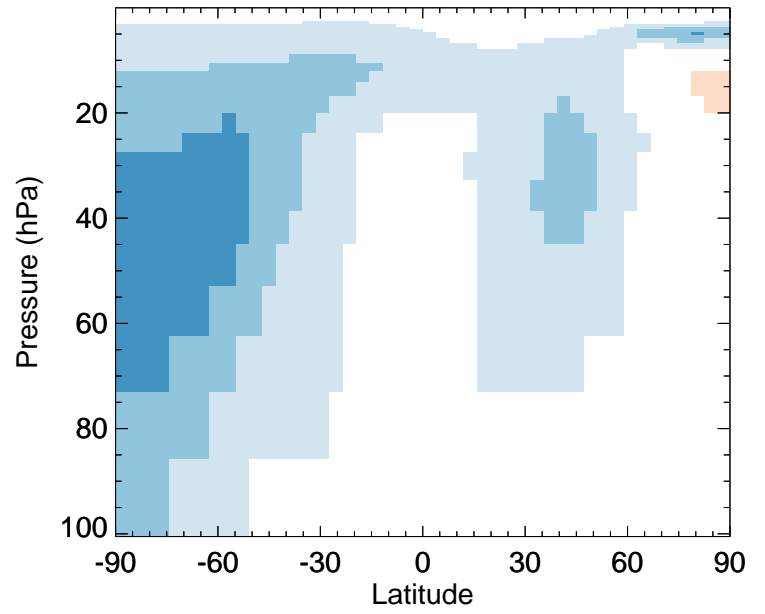
GC\_12.0.0 - v11-02f-Run1

HNO2 - Strat zonal mean abs diff for Jan



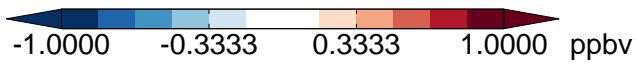
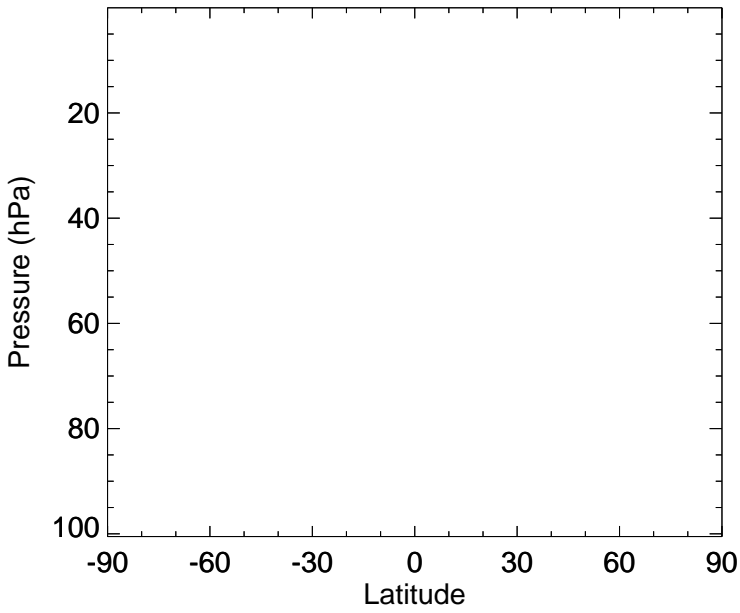
GC\_12.0.0 / v11-02f-Run1

HNO2 - Strat zonal mean % diff for Jan



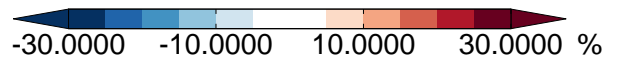
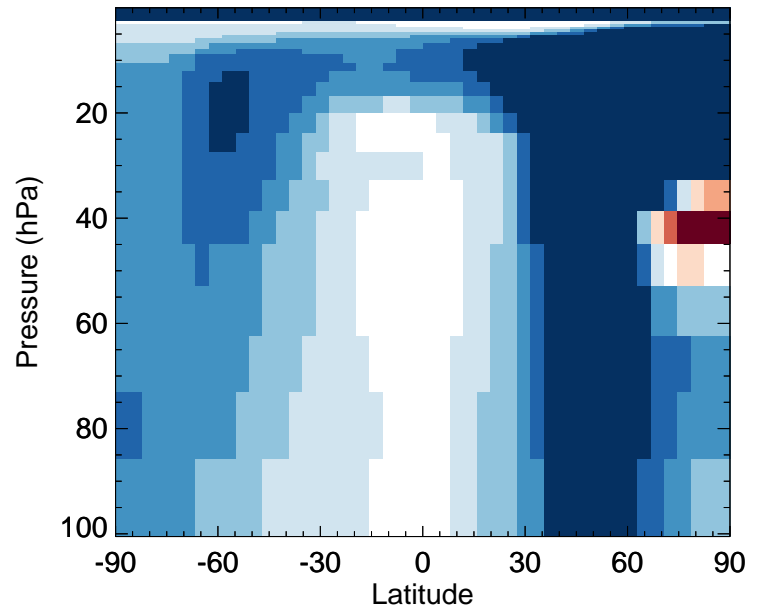
GC\_12.0.0 - v11-02e-Run1

HNO2 - Strat zonal mean abs diff for Jan



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

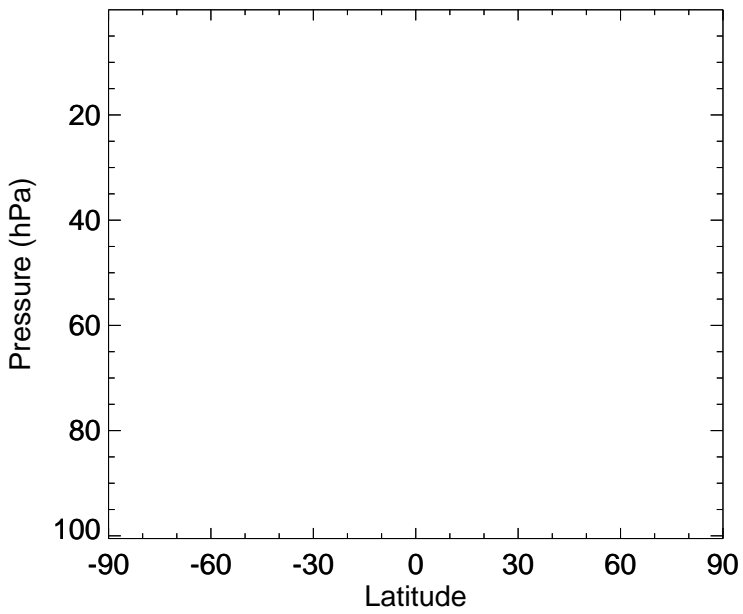
HNO2 - Strat zonal mean % diff for Jan



GEOS-Chem Stratospheric Zonal Difference Maps

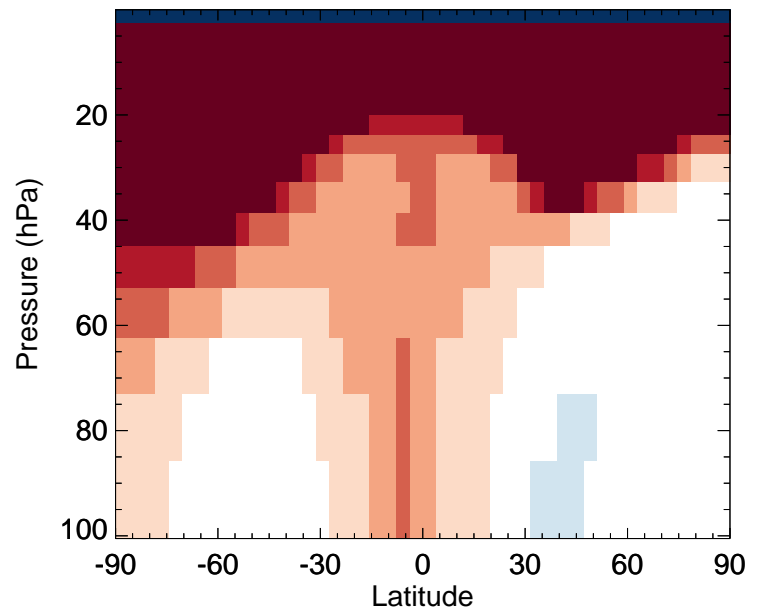
GC\_12.0.0 - v11-02f-Run1

BENZ - Strat zonal mean abs diff for Jan



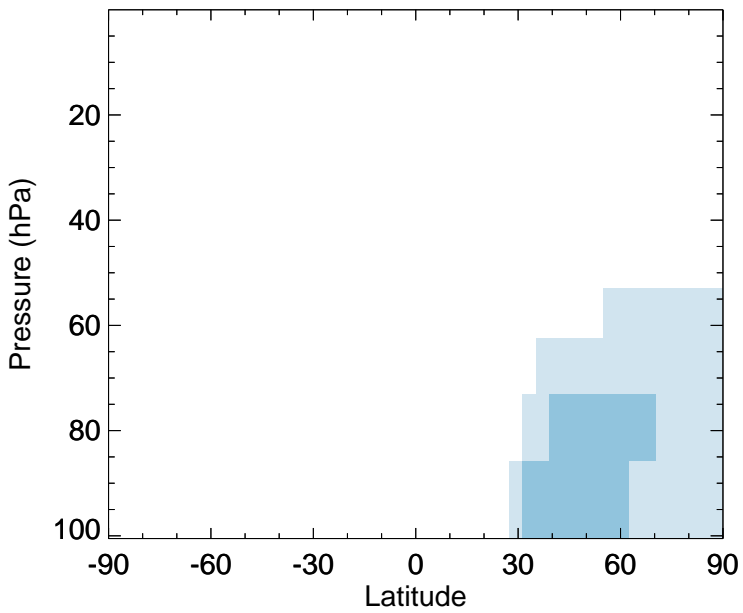
GC\_12.0.0 / v11-02f-Run1

BENZ - Strat zonal mean % diff for Jan



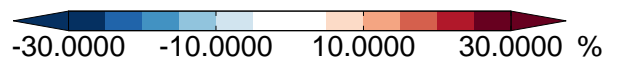
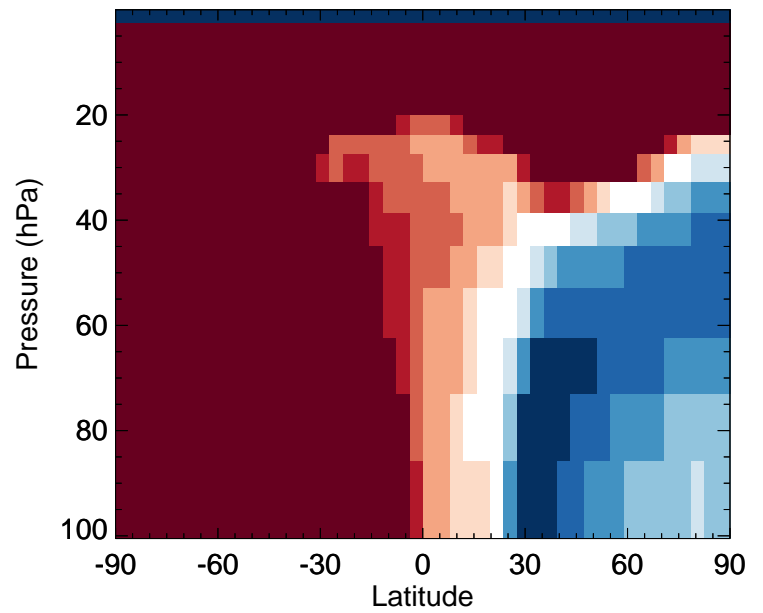
GC\_12.0.0 - v11-02e-Run1

BENZ - Strat zonal mean abs diff for Jan



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

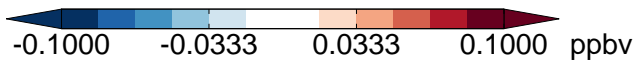
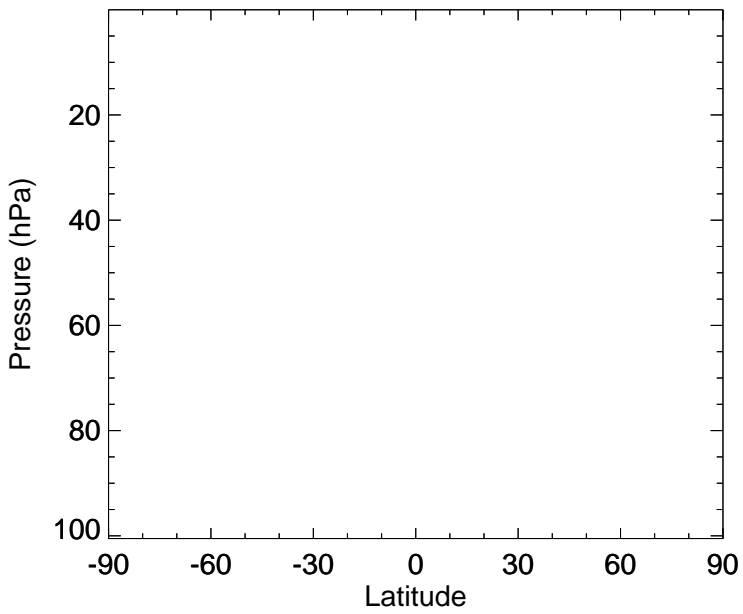
BENZ - Strat zonal mean % diff for Jan



# GEOS-Chem Stratospheric Zonal Difference Maps

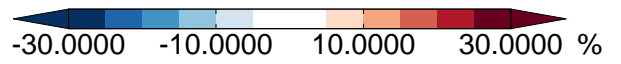
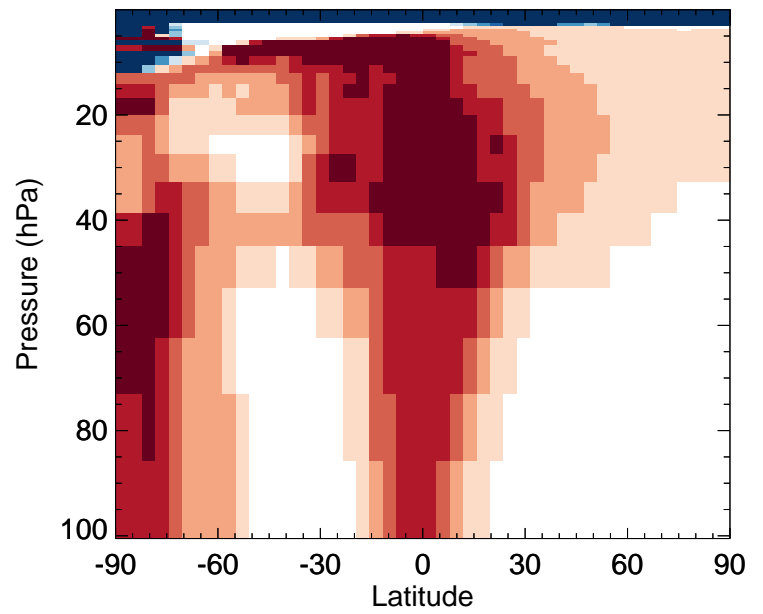
GC\_12.0.0 - v11-02f-Run1

TOLU - Strat zonal mean abs diff for Jan



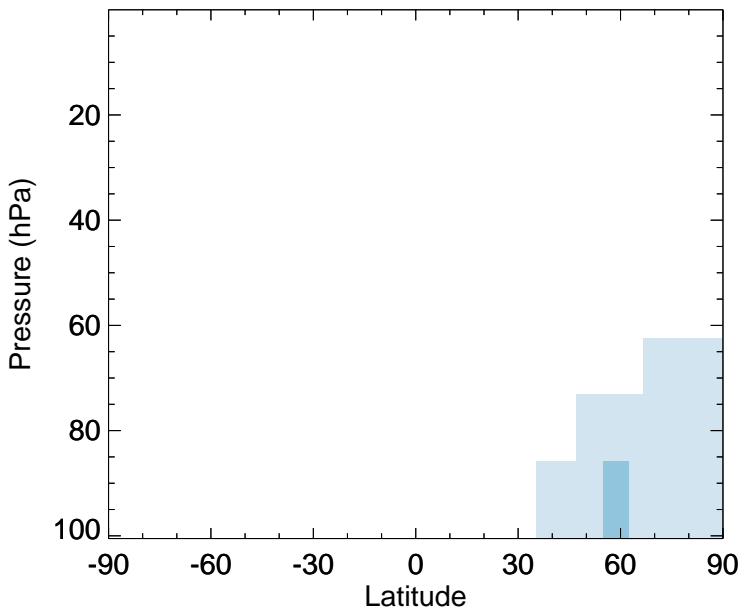
GC\_12.0.0 / v11-02f-Run1

TOLU - Strat zonal mean % diff for Jan



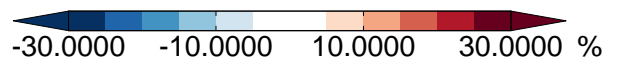
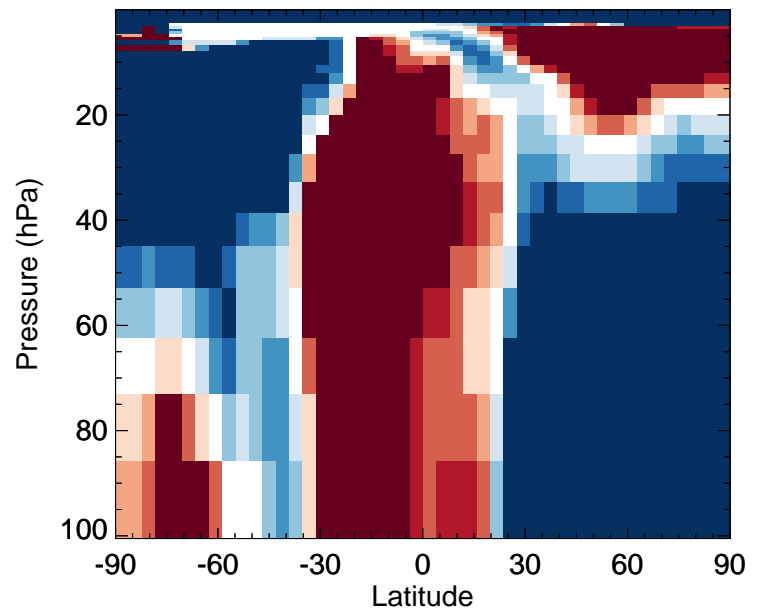
GC\_12.0.0 - v11-02e-Run1

TOLU - Strat zonal mean abs diff for Jan



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

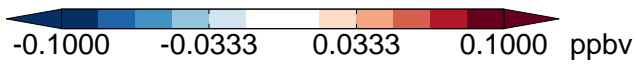
TOLU - Strat zonal mean % diff for Jan



# GEOS-Chem Stratospheric Zonal Difference Maps

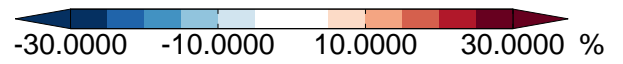
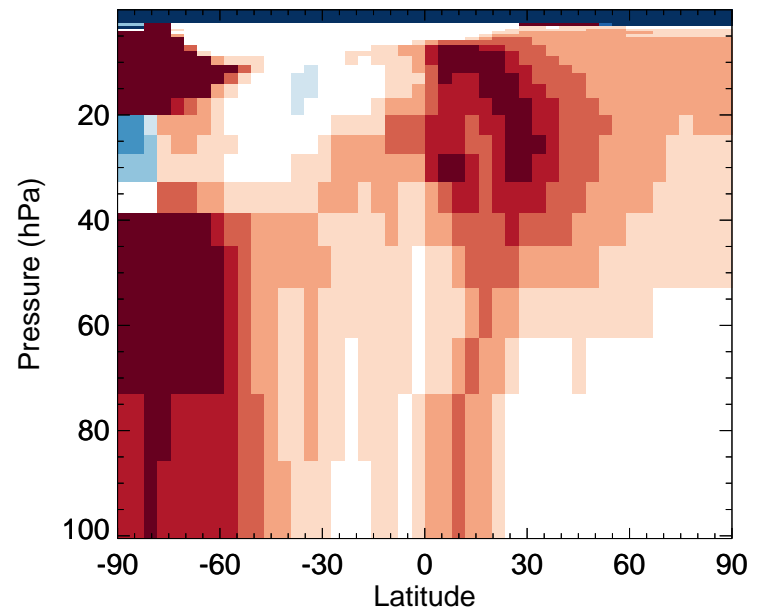
GC\_12.0.0 - v11-02f-Run1

XYLE - Strat zonal mean abs diff for Jan



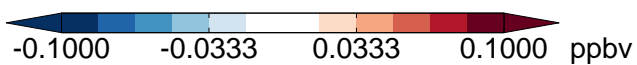
GC\_12.0.0 / v11-02f-Run1

XYLE - Strat zonal mean % diff for Jan



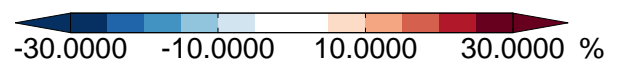
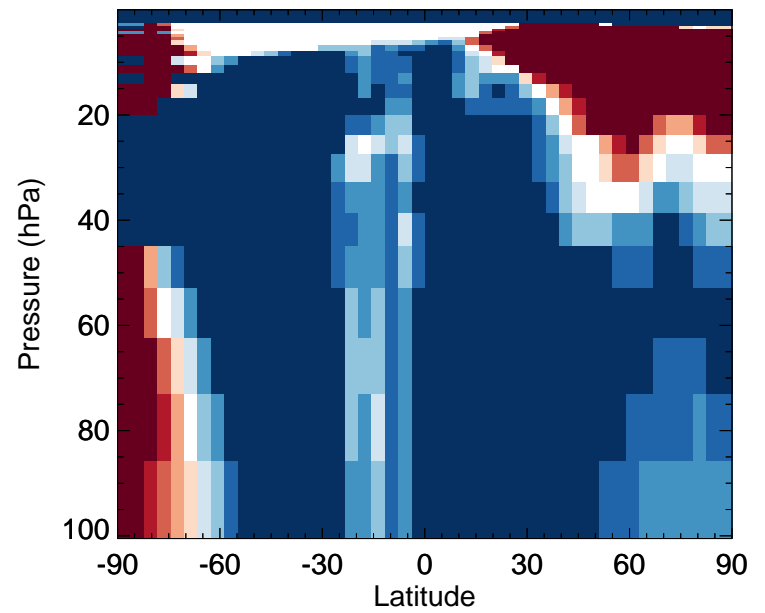
GC\_12.0.0 - v11-02e-Run1

XYLE - Strat zonal mean abs diff for Jan



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

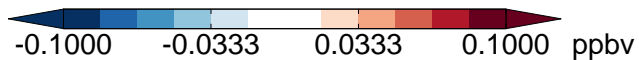
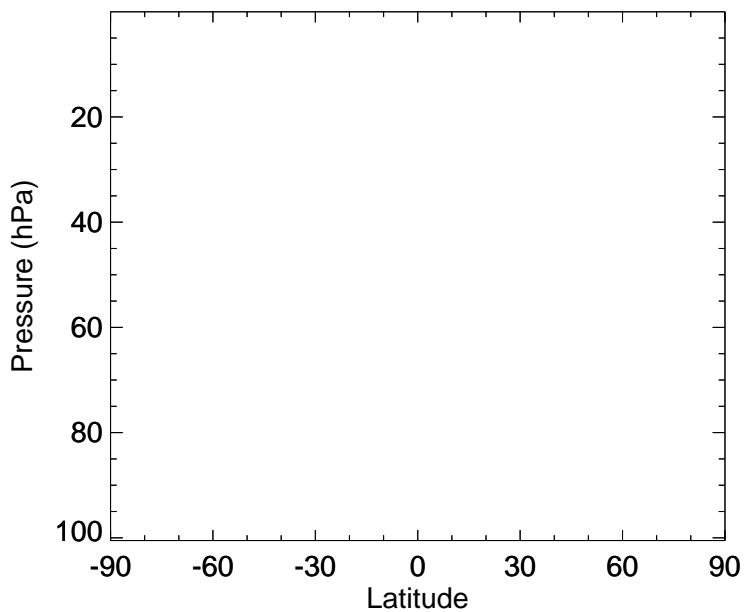
XYLE - Strat zonal mean % diff for Jan



# GEOS-Chem Stratospheric Zonal Difference Maps

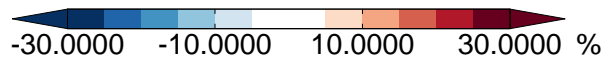
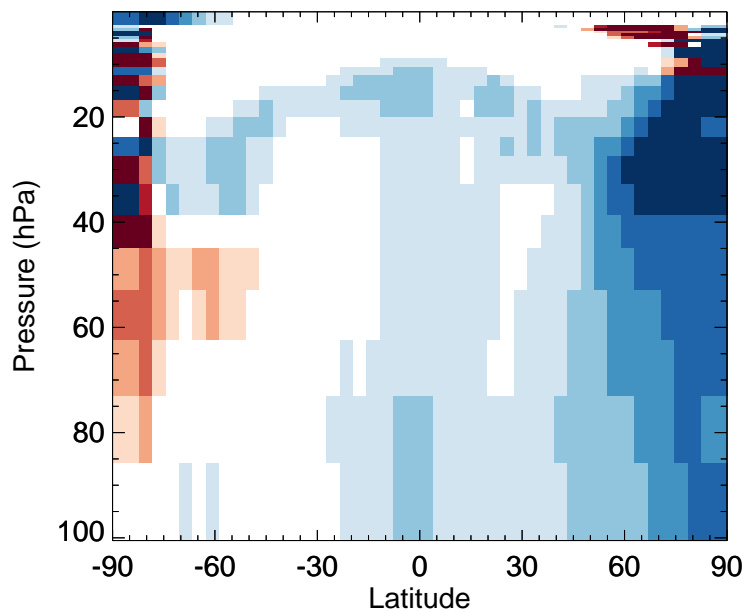
GC\_12.0.0 - v11-02f-Run1

MTPA - Strat zonal mean abs diff for Jan



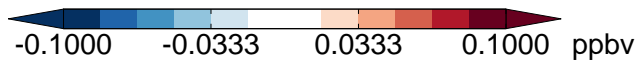
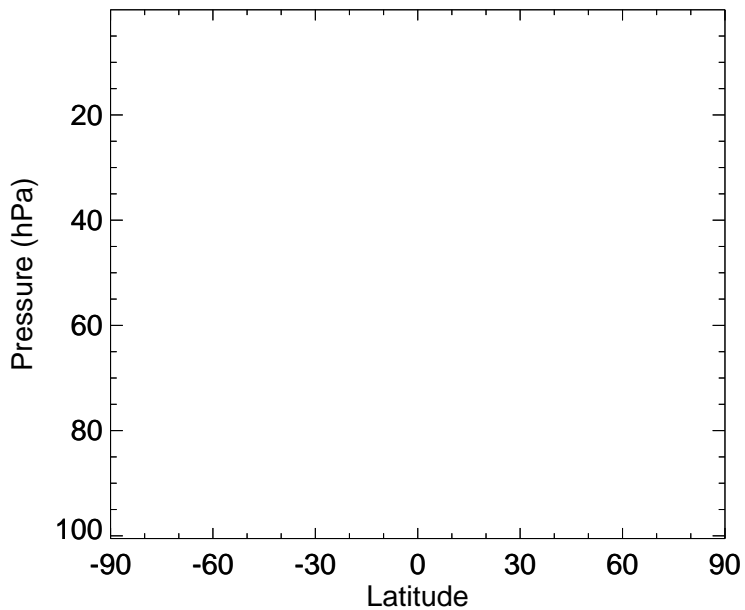
GC\_12.0.0 / v11-02f-Run1

MTPA - Strat zonal mean % diff for Jan



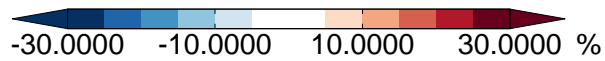
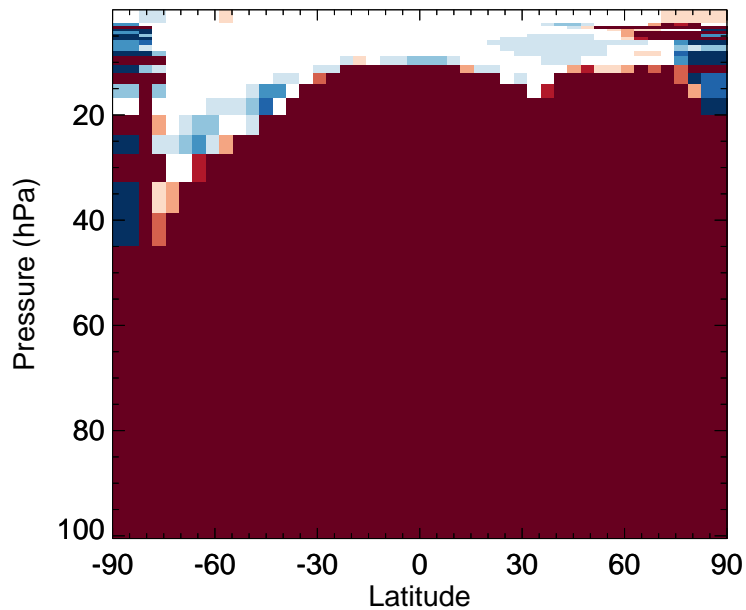
GC\_12.0.0 - v11-02e-Run1

MTPA - Strat zonal mean abs diff for Jan



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

MTPA - Strat zonal mean % diff for Jan



GEOS-Chem Stratospheric Zonal Difference Maps

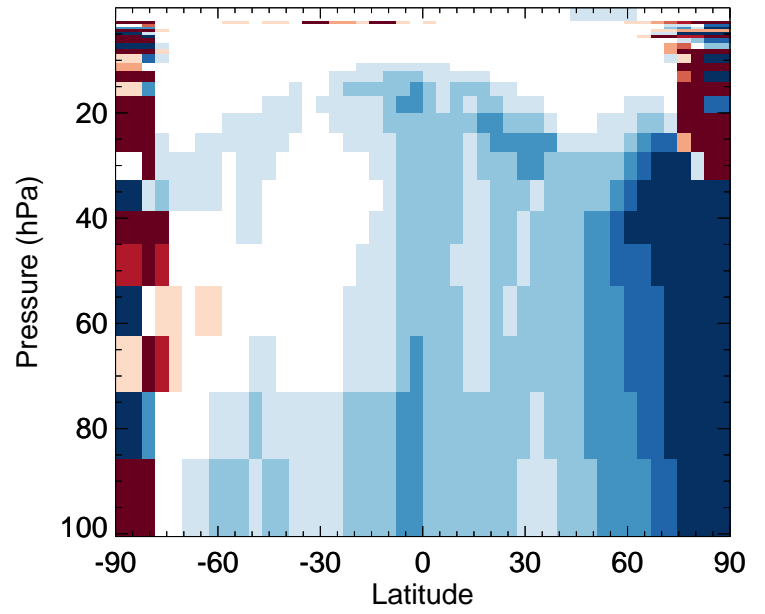
GC\_12.0.0 - v11-02f-Run1

LIMO - Strat zonal mean abs diff for Jan



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

LIMO - Strat zonal mean % diff for Jan



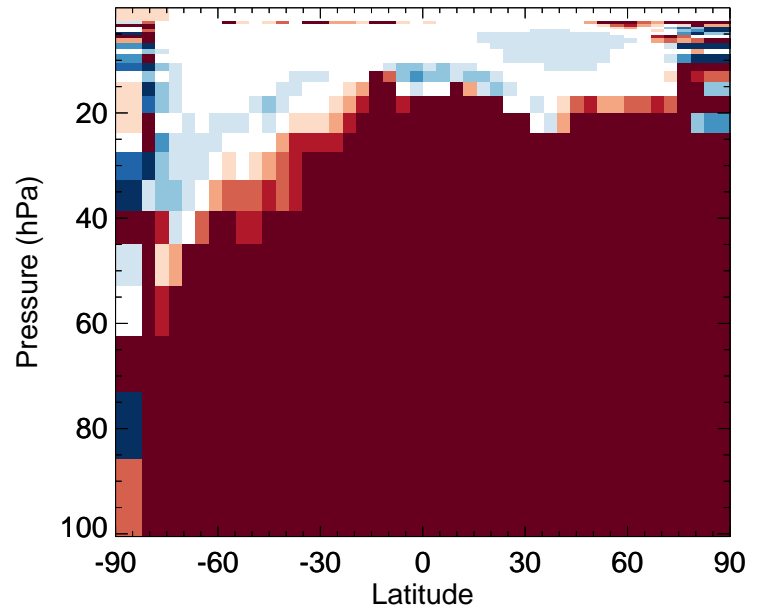
GC\_12.0.0 - v11-02e-Run1

LIMO - Strat zonal mean abs diff for Jan



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

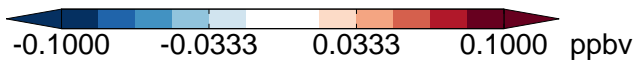
LIMO - Strat zonal mean % diff for Jan



GEOS-Chem Stratospheric Zonal Difference Maps

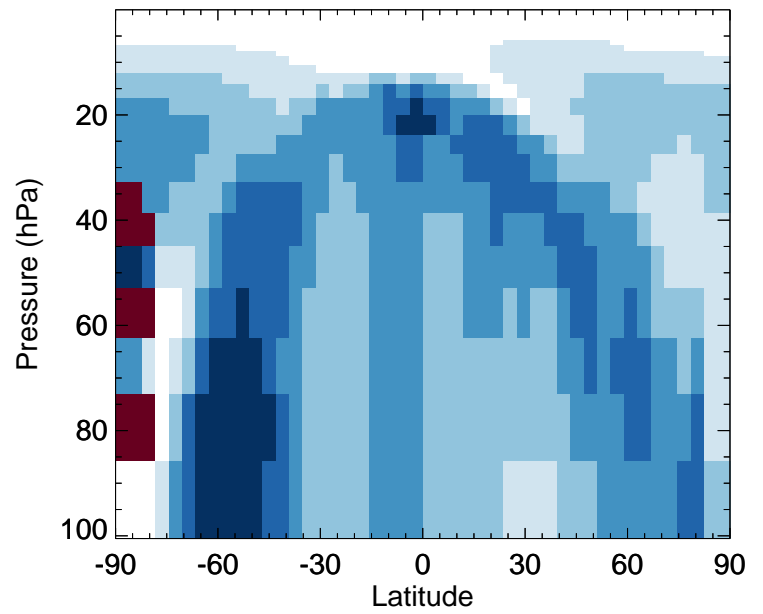
GC\_12.0.0 - v11-02f-Run1

MTPO - Strat zonal mean abs diff for Jan



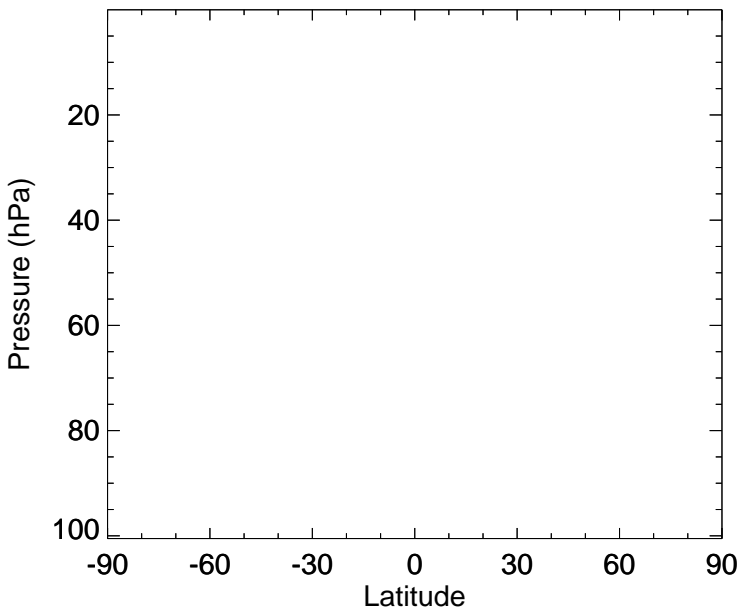
GC\_12.0.0 / v11-02f-Run1

MTPO - Strat zonal mean % diff for Jan



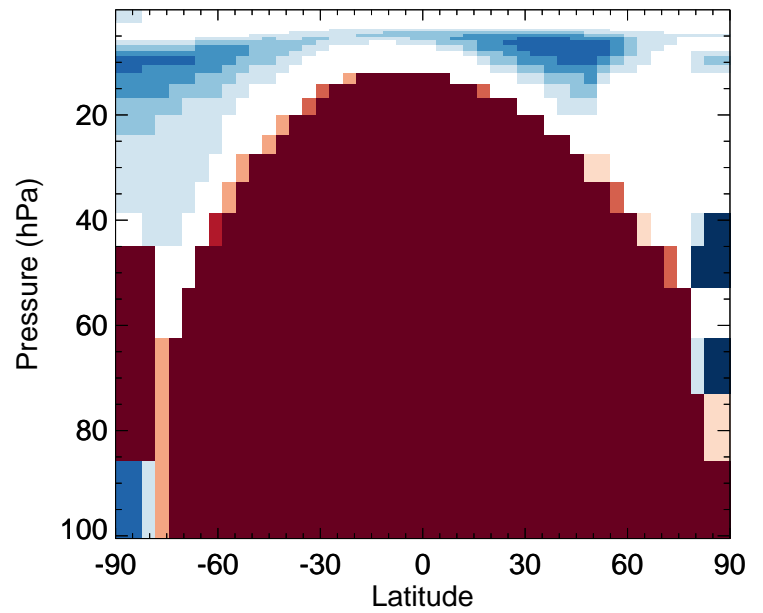
GC\_12.0.0 - v11-02e-Run1

MTPO - Strat zonal mean abs diff for Jan



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

MTPO - Strat zonal mean % diff for Jan

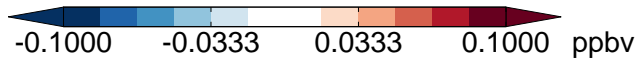
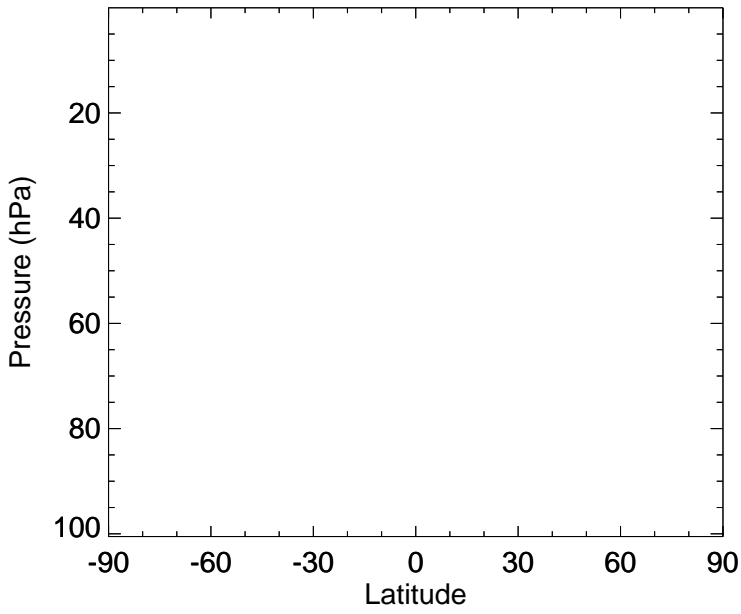




# GEOS-Chem Stratospheric Zonal Difference Maps

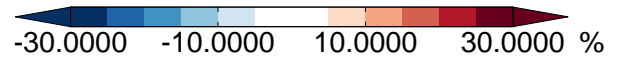
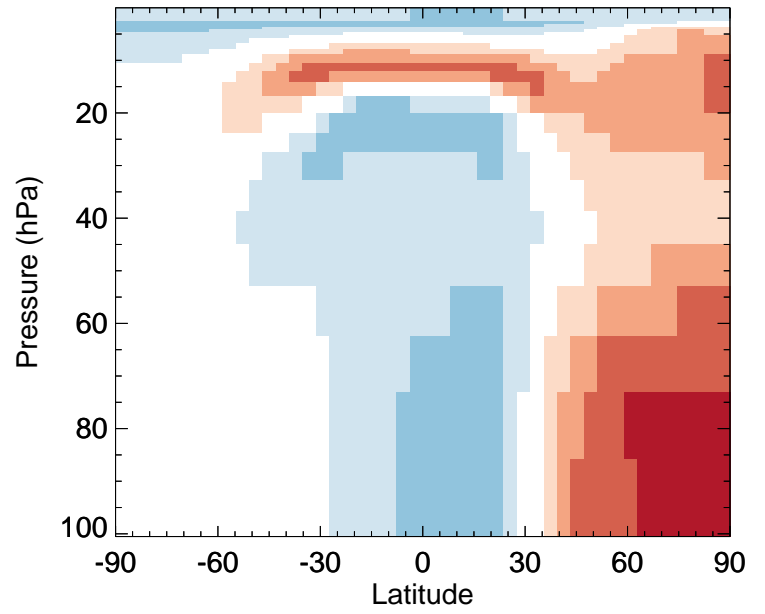
GC\_12.0.0 - v11-02f-Run1

TSOG1 - Strat zonal mean abs diff for Jan



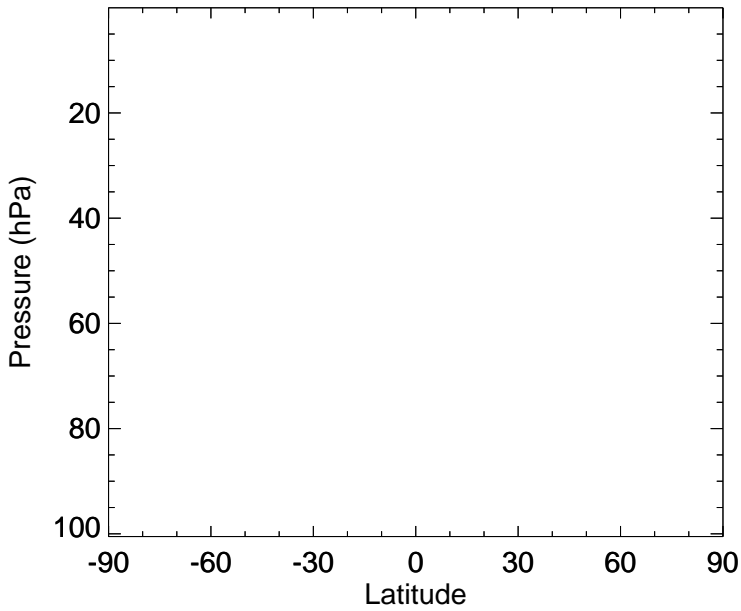
GC\_12.0.0 / v11-02f-Run1

TSOG1 - Strat zonal mean % diff for Jan



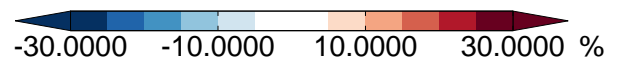
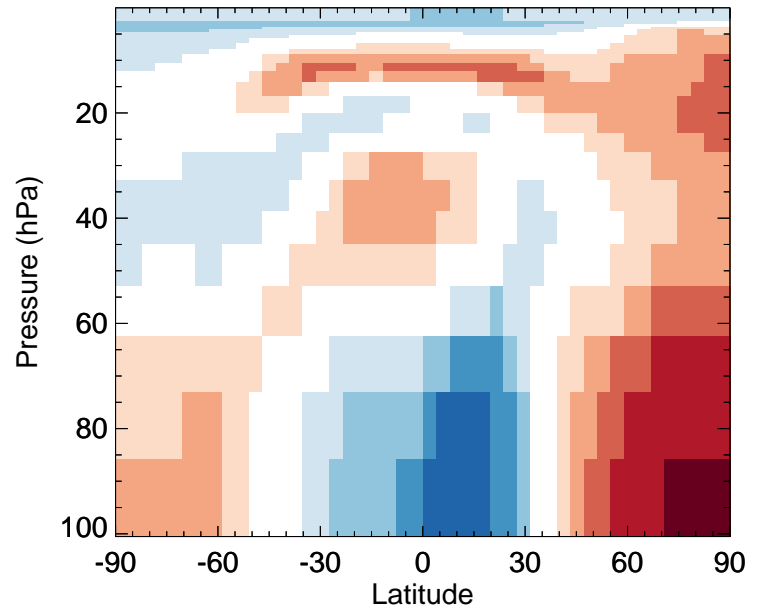
GC\_12.0.0 - v11-02e-Run1

TSOG1 - Strat zonal mean abs diff for Jan



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

TSOG1 - Strat zonal mean % diff for Jan



# GEOS-Chem Stratospheric Zonal Difference Maps

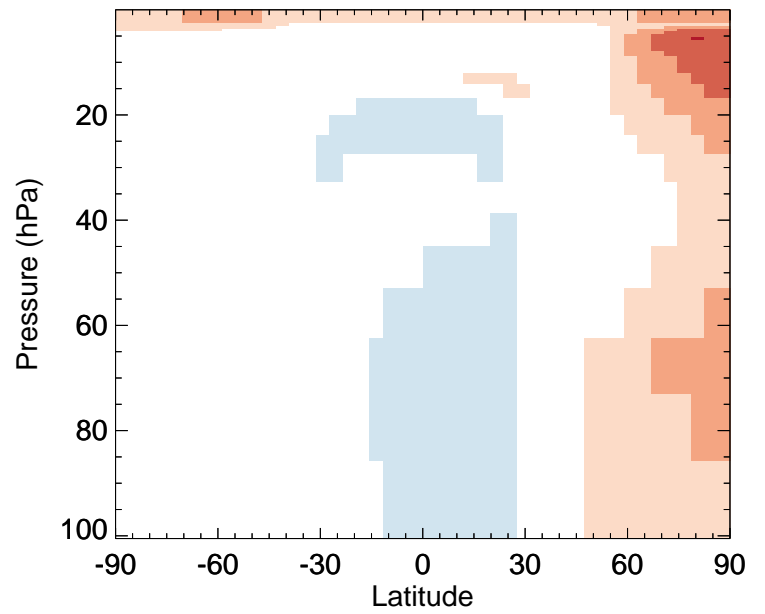
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TSOG2 - Strat zonal mean abs diff for Jan



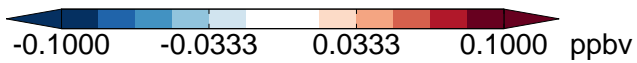
GC\_12.0.0 / v11-02f-Run1

TSOG2 - Strat zonal mean % diff for Jan



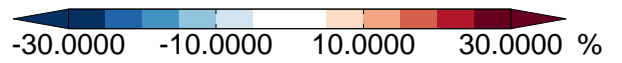
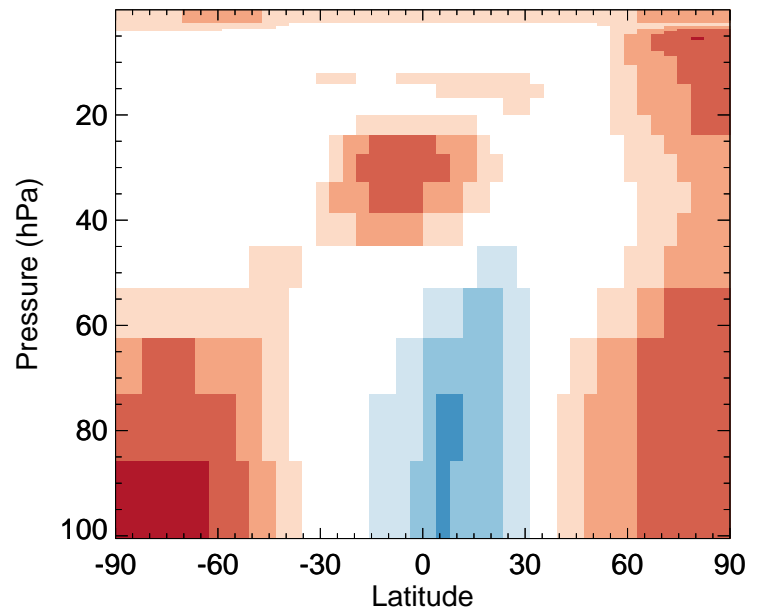
GC\_12.0.0 - v11-02e-Run1

TSOG2 - Strat zonal mean abs diff for Jan



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

TSOG2 - Strat zonal mean % diff for Jan



GEOS-Chem Stratospheric Zonal Difference Maps

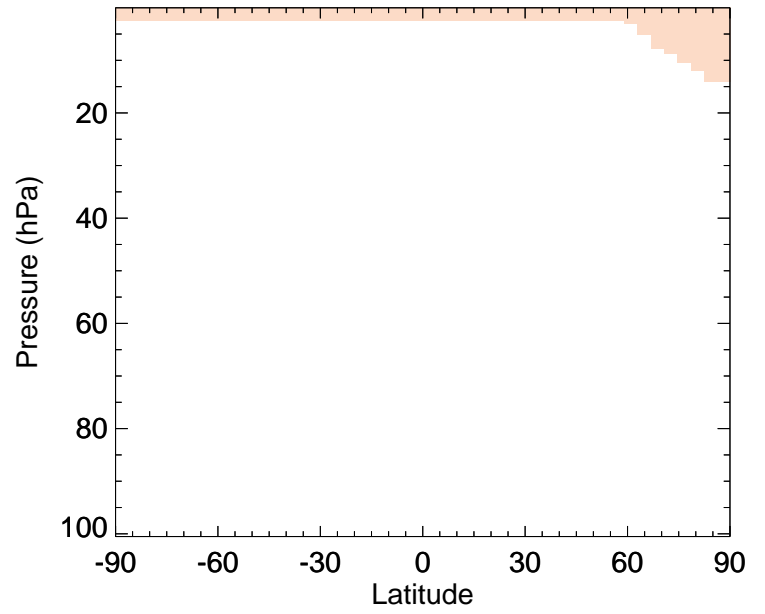
GC\_12.0.0 - v11-02f-Run1

TSOG3 - Strat zonal mean abs diff for Jan



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

TSOG3 - Strat zonal mean % diff for Jan



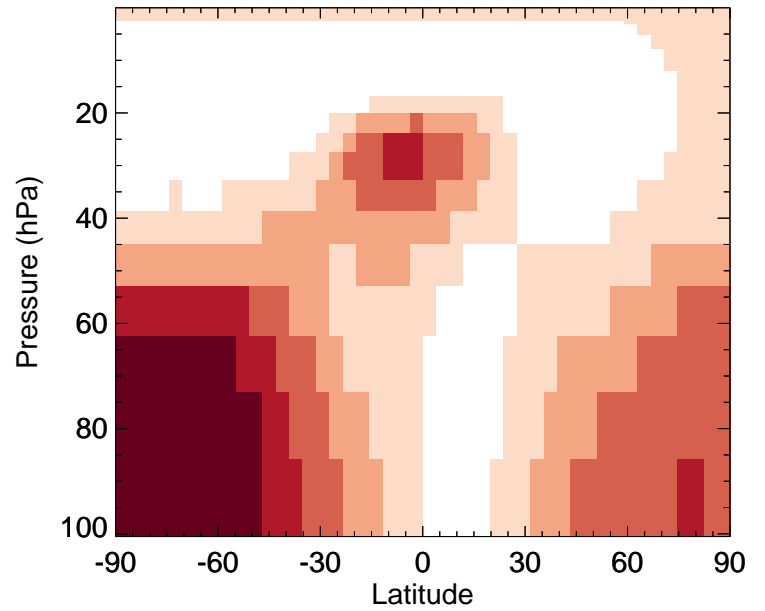
GC\_12.0.0 - v11-02e-Run1

TSOG3 - Strat zonal mean abs diff for Jan



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

TSOG3 - Strat zonal mean % diff for Jan



# GEOS-Chem Stratospheric Zonal Difference Maps

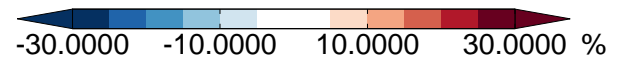
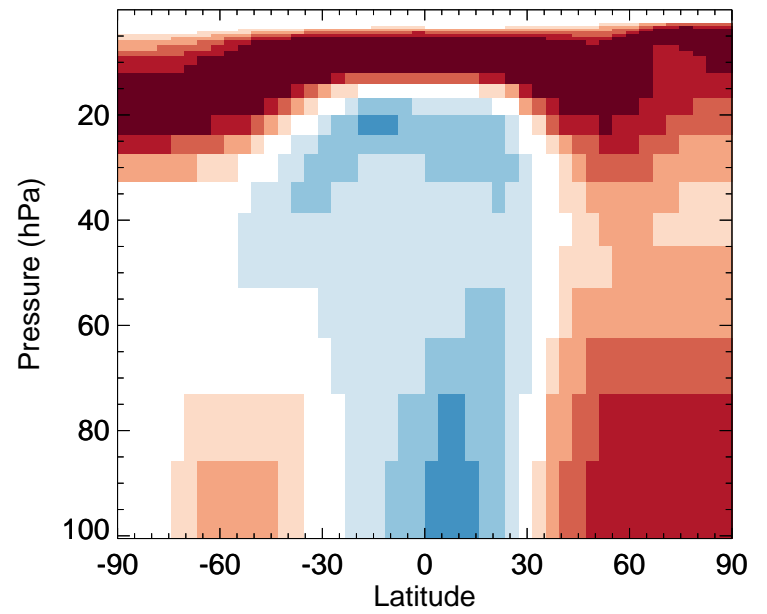
GC\_12.0.0 - v11-02f-Run1

TSOG0 - Strat zonal mean abs diff for Jan



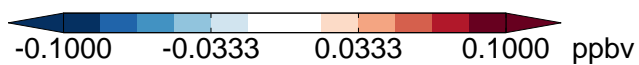
GC\_12.0.0 / v11-02f-Run1

TSOG0 - Strat zonal mean % diff for Jan



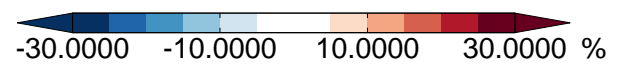
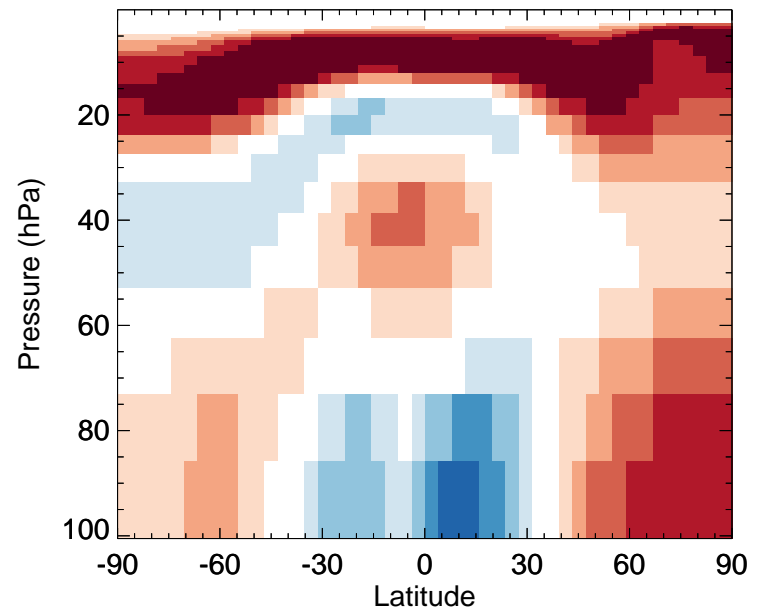
GC\_12.0.0 - v11-02e-Run1

TSOG0 - Strat zonal mean abs diff for Jan



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

TSOG0 - Strat zonal mean % diff for Jan



# GEOS-Chem Stratospheric Zonal Difference Maps

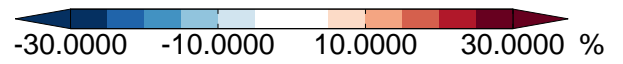
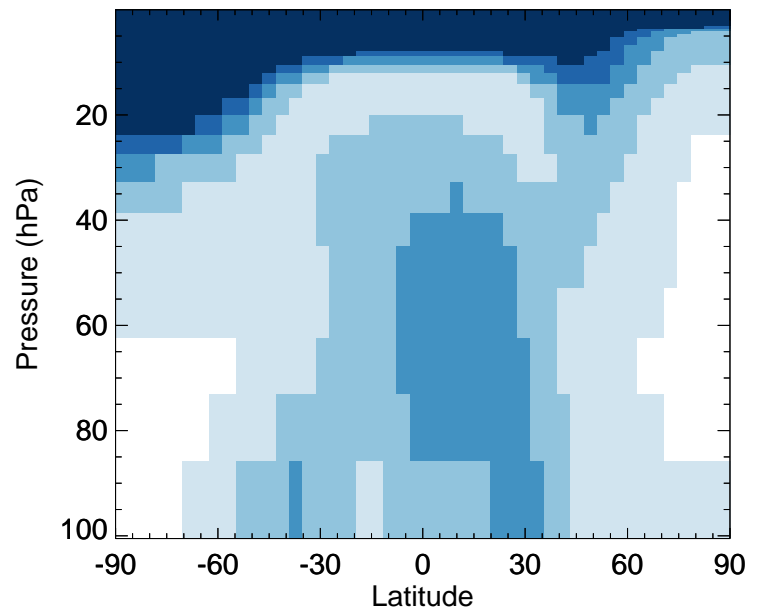
GC\_12.0.0 - v11-02f-Run1

TSOA1 - Strat zonal mean abs diff for Jan



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

TSOA1 - Strat zonal mean % diff for Jan



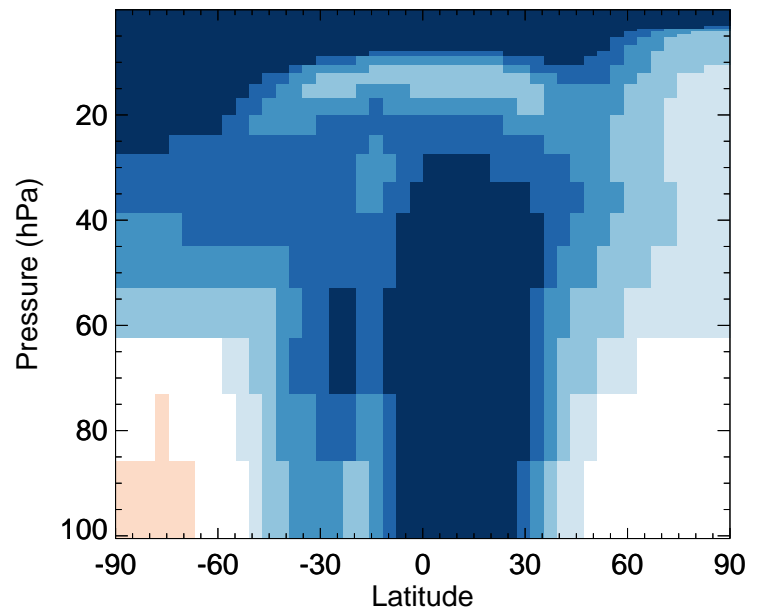
GC\_12.0.0 - v11-02e-Run1

TSOA1 - Strat zonal mean abs diff for Jan



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

TSOA1 - Strat zonal mean % diff for Jan



# GEOS-Chem Stratospheric Zonal Difference Maps

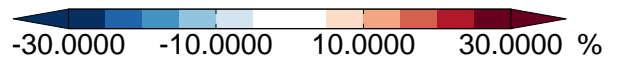
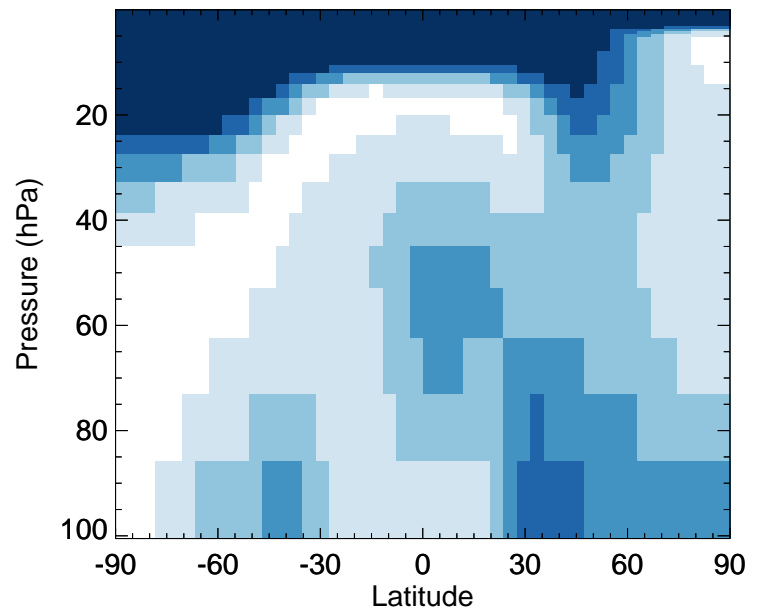
GC\_12.0.0 - v11-02f-Run1

TSOA2 - Strat zonal mean abs diff for Jan



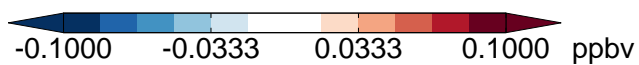
GC\_12.0.0 / v11-02f-Run1

TSOA2 - Strat zonal mean % diff for Jan



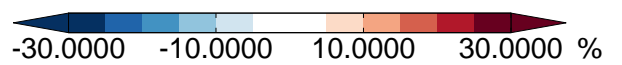
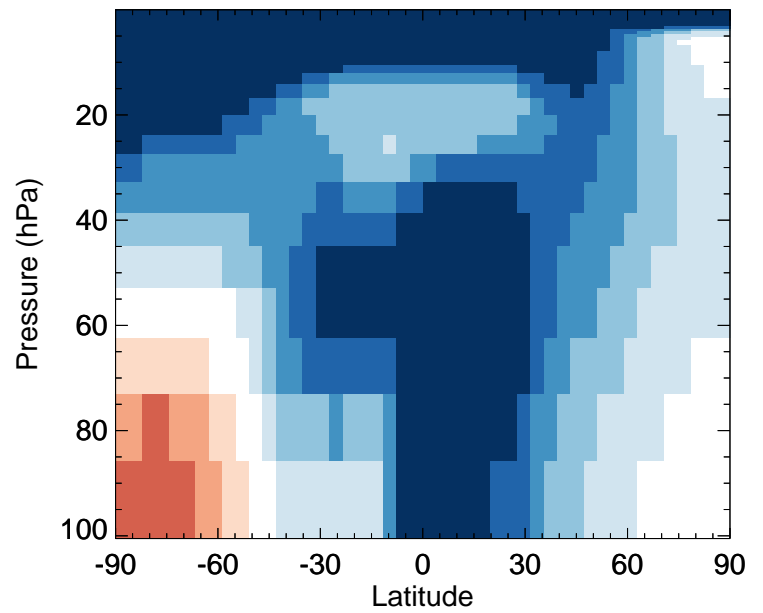
GC\_12.0.0 - v11-02e-Run1

TSOA2 - Strat zonal mean abs diff for Jan



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

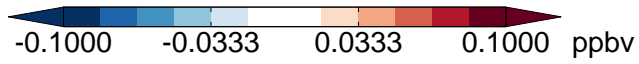
TSOA2 - Strat zonal mean % diff for Jan



GEOS-Chem Stratospheric Zonal Difference Maps

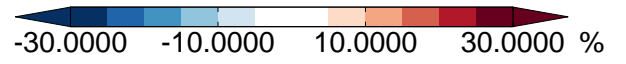
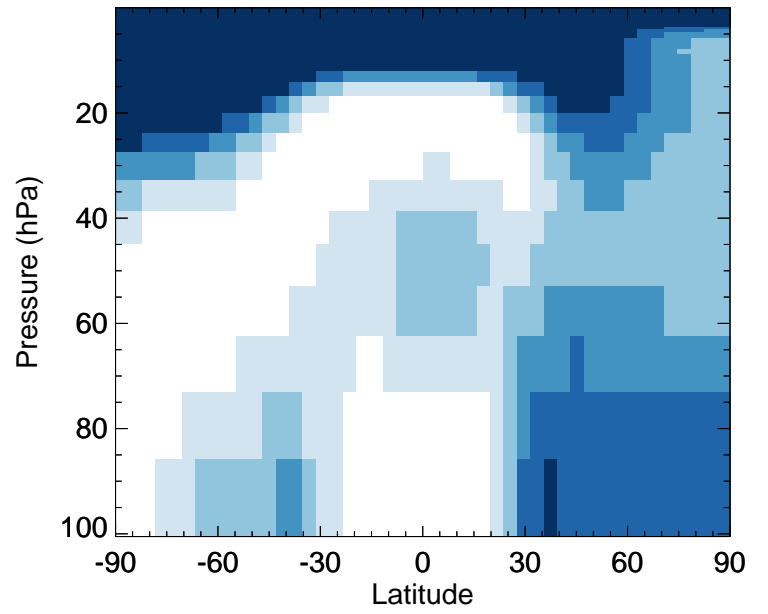
GC\_12.0.0 - v11-02f-Run1

TSOA3 - Strat zonal mean abs diff for Jan



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

TSOA3 - Strat zonal mean % diff for Jan



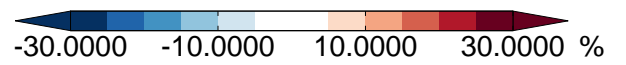
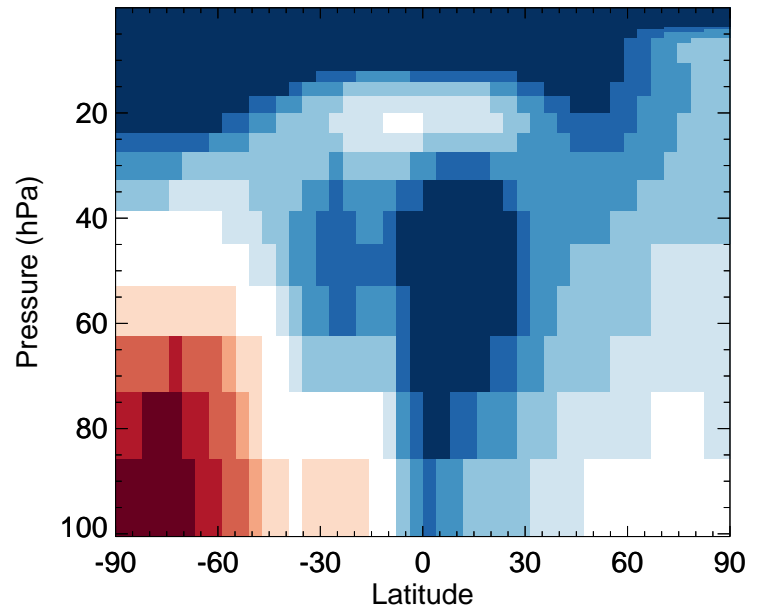
GC\_12.0.0 - v11-02e-Run1

TSOA3 - Strat zonal mean abs diff for Jan



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

TSOA3 - Strat zonal mean % diff for Jan



# GEOS-Chem Stratospheric Zonal Difference Maps

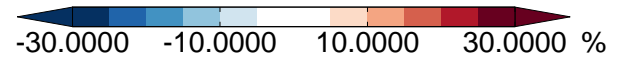
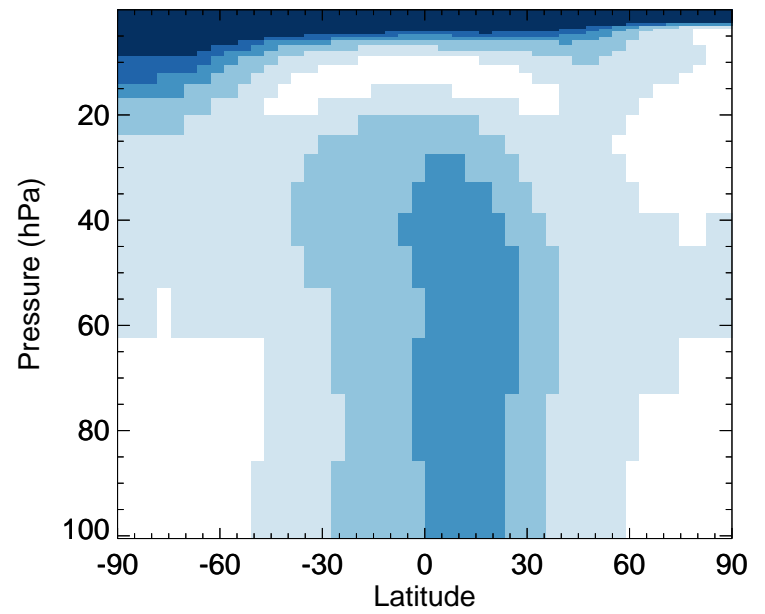
GC\_12.0.0 - v11-02f-Run1

TSOA0 - Strat zonal mean abs diff for Jan



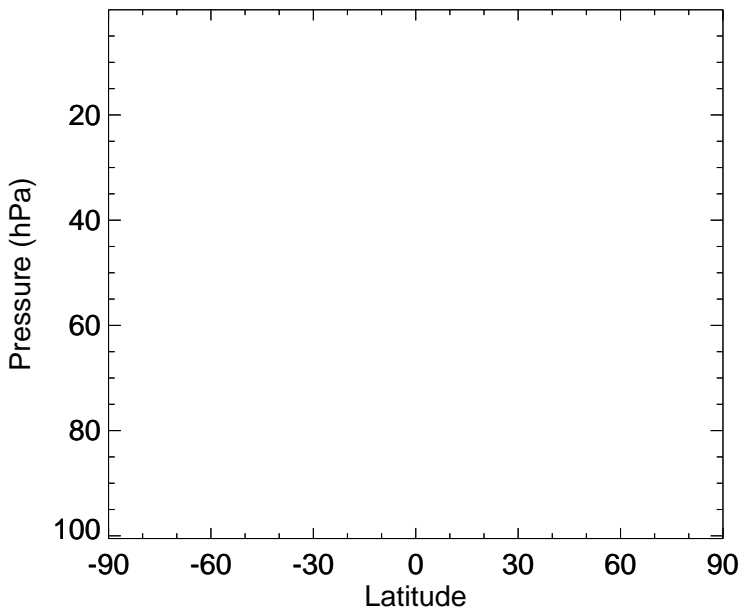
GC\_12.0.0 / v11-02f-Run1

TSOA0 - Strat zonal mean % diff for Jan



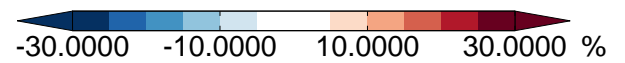
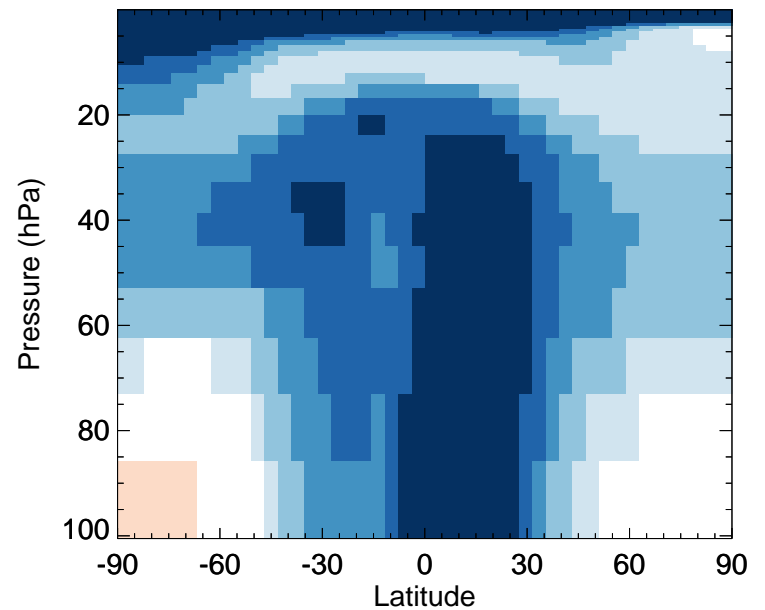
GC\_12.0.0 - v11-02e-Run1

TSOA0 - Strat zonal mean abs diff for Jan



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

TSOA0 - Strat zonal mean % diff for Jan

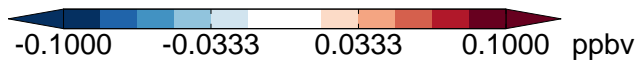




# GEOS-Chem Stratospheric Zonal Difference Maps

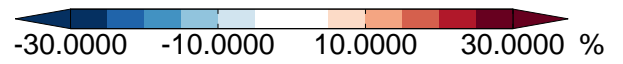
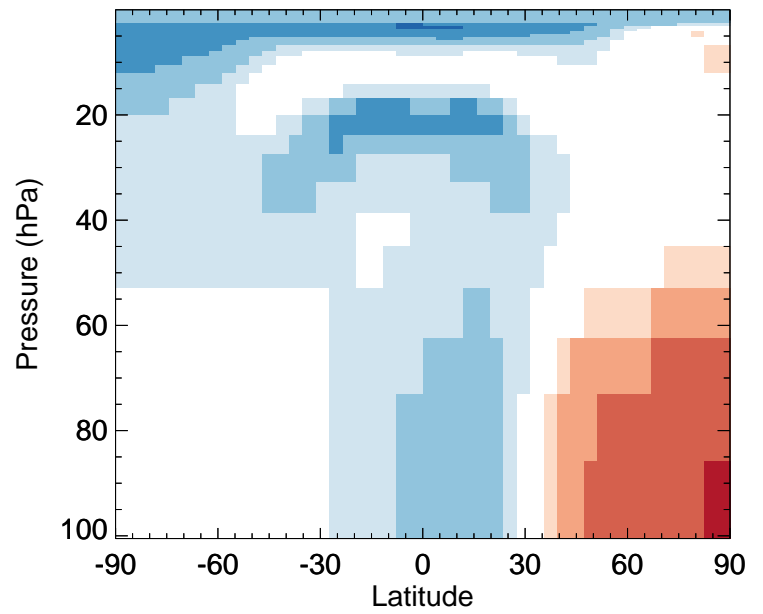
GC\_12.0.0 - v11-02f-Run1

ISOG1 - Strat zonal mean abs diff for Jan



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

ISOG1 - Strat zonal mean % diff for Jan



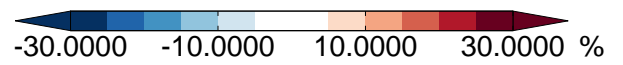
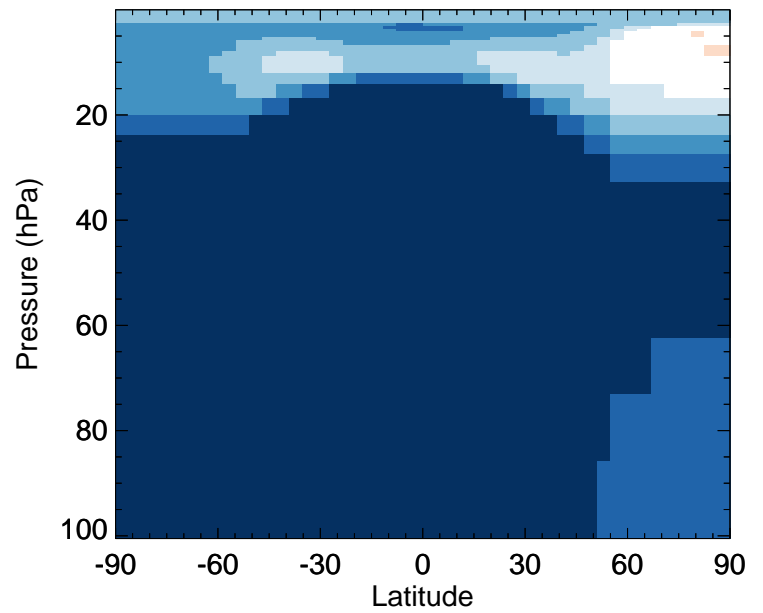
GC\_12.0.0 - v11-02e-Run1

ISOG1 - Strat zonal mean abs diff for Jan



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

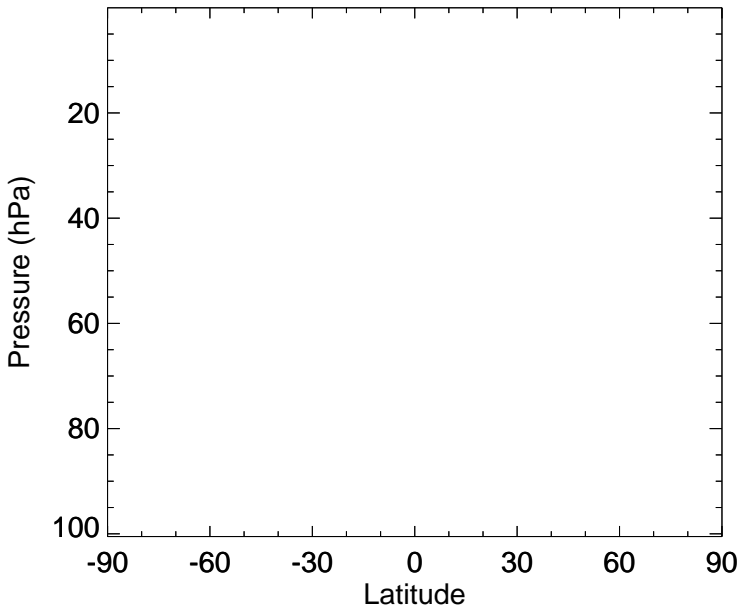
ISOG1 - Strat zonal mean % diff for Jan



GEOS-Chem Stratospheric Zonal Difference Maps

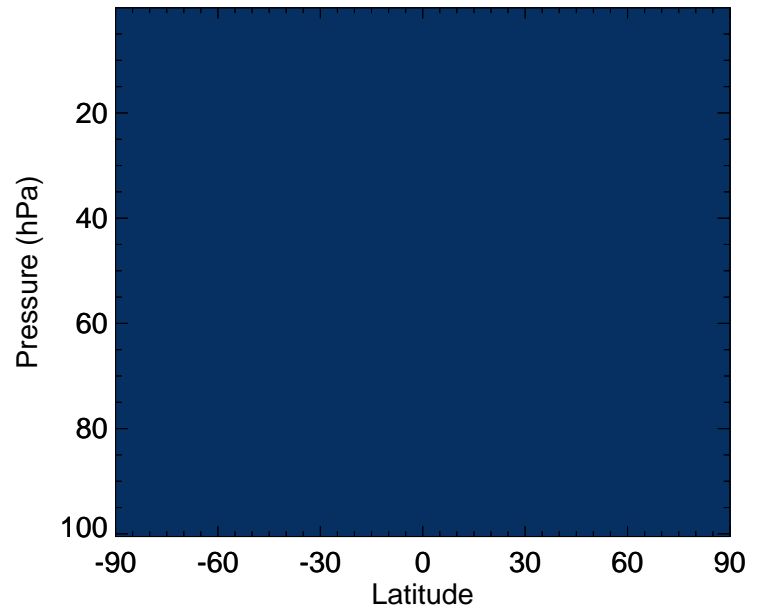
GC\_12.0.0 - v11-02f-Run1

ISOG2 - Strat zonal mean abs diff for Jan



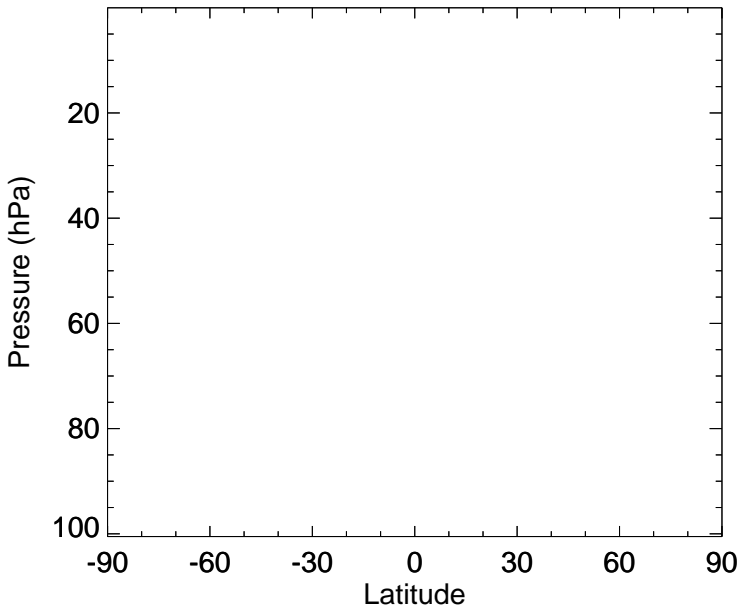
GC\_12.0.0 / v11-02f-Run1

ISOG2 - Strat zonal mean % diff for Jan



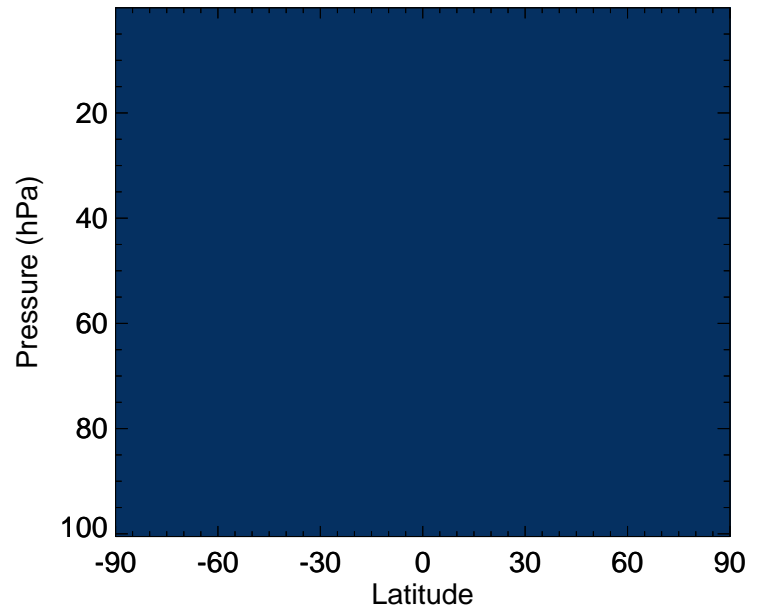
GC\_12.0.0 - v11-02e-Run1

ISOG2 - Strat zonal mean abs diff for Jan



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

ISOG2 - Strat zonal mean % diff for Jan



# GEOS-Chem Stratospheric Zonal Difference Maps

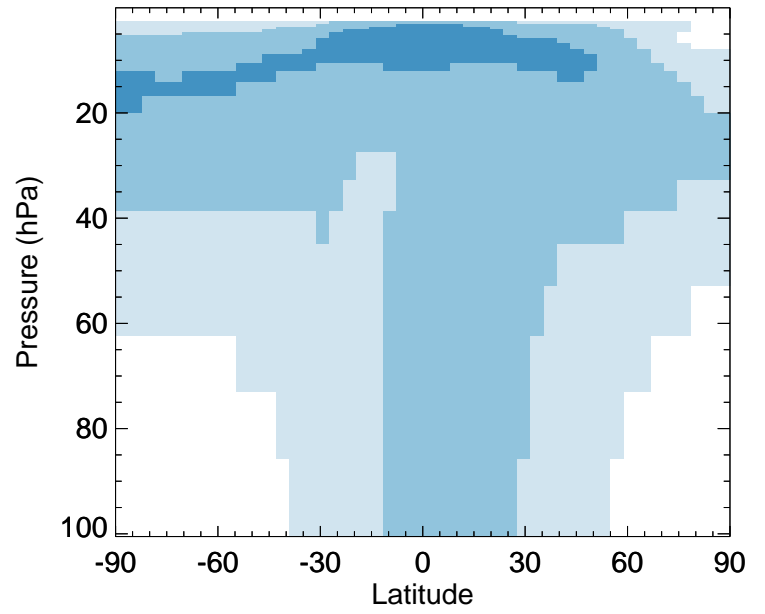
GC\_12.0.0 - v11-02f-Run1

ISOG3 - Strat zonal mean abs diff for Jan



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

ISOG3 - Strat zonal mean % diff for Jan



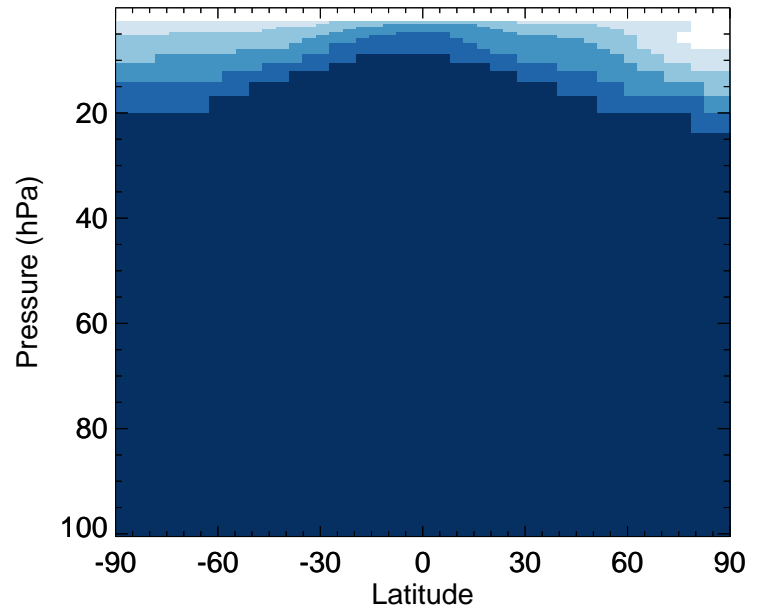
GC\_12.0.0 - v11-02e-Run1

ISOG3 - Strat zonal mean abs diff for Jan



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

ISOG3 - Strat zonal mean % diff for Jan



# GEOS-Chem Stratospheric Zonal Difference Maps

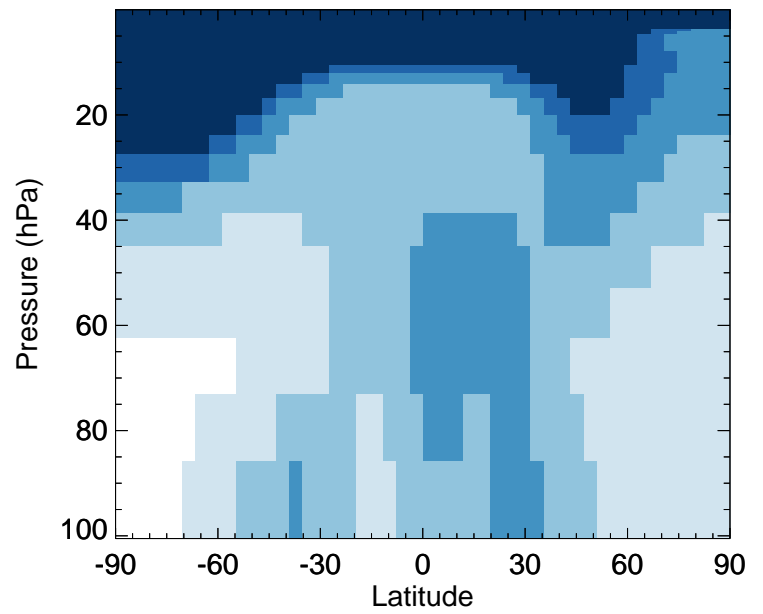
GC\_12.0.0 - v11-02f-Run1

ISOA1 - Strat zonal mean abs diff for Jan



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

ISOA1 - Strat zonal mean % diff for Jan



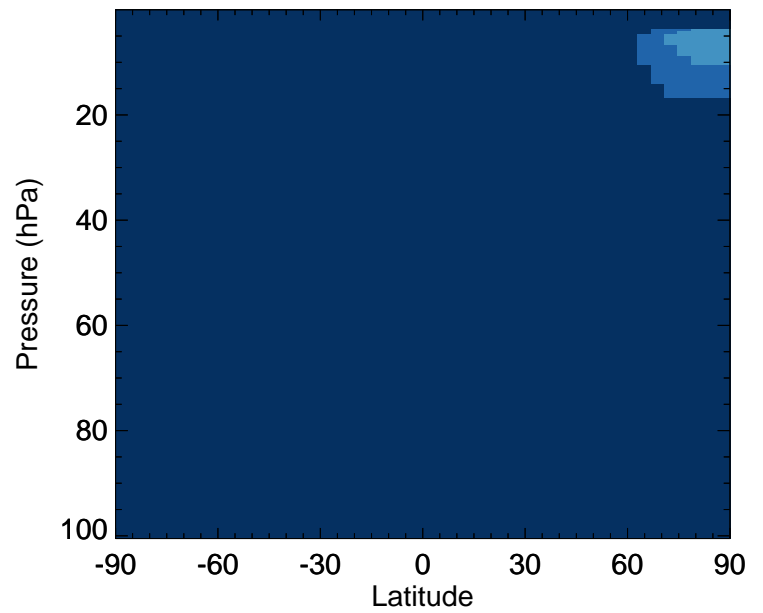
GC\_12.0.0 - v11-02e-Run1

ISOA1 - Strat zonal mean abs diff for Jan



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

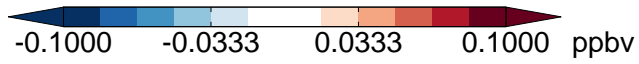
ISOA1 - Strat zonal mean % diff for Jan



GEOS-Chem Stratospheric Zonal Difference Maps

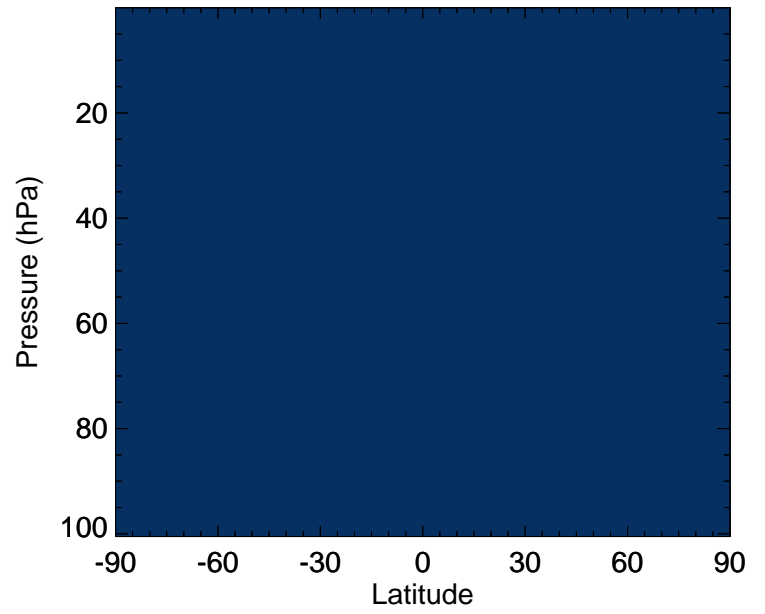
GC\_12.0.0 - v11-02f-Run1

ISOA2 - Strat zonal mean abs diff for Jan



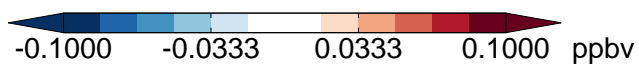
GC\_12.0.0 / v11-02f-Run1

ISOA2 - Strat zonal mean % diff for Jan



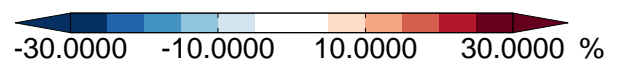
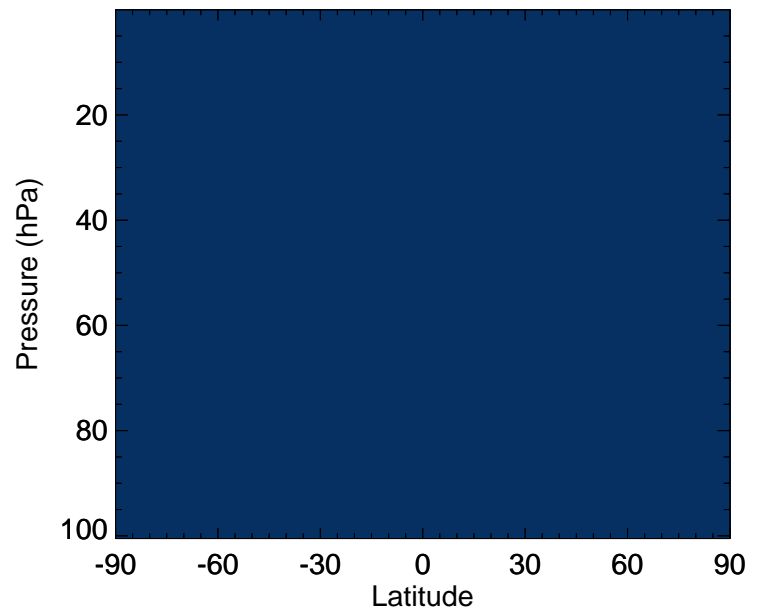
GC\_12.0.0 - v11-02e-Run1

ISOA2 - Strat zonal mean abs diff for Jan



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

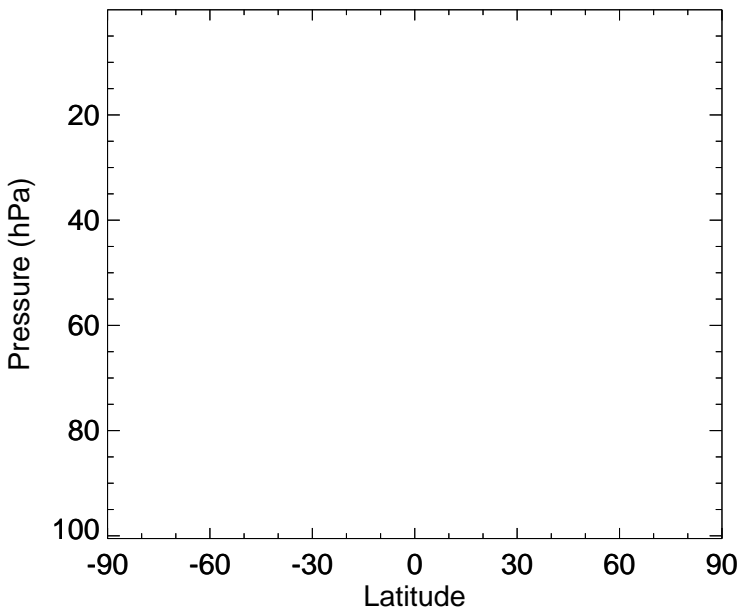
ISOA2 - Strat zonal mean % diff for Jan



GEOS-Chem Stratospheric Zonal Difference Maps

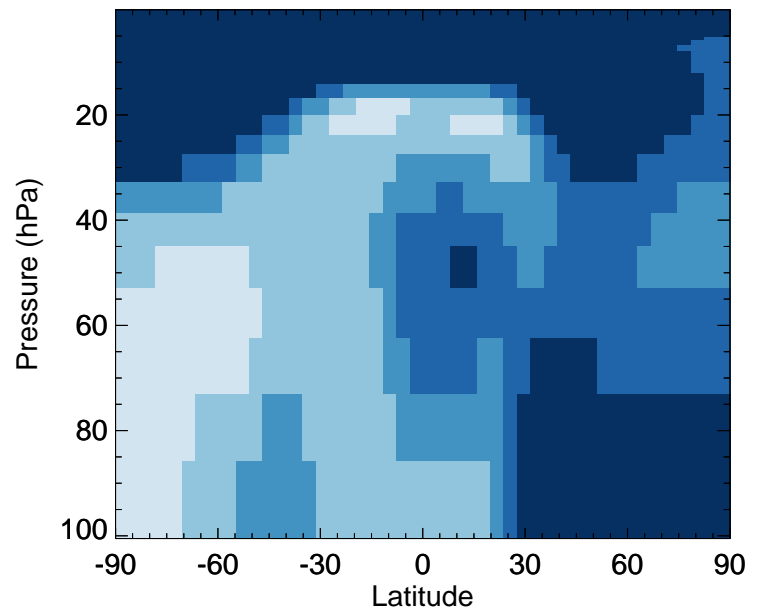
GC\_12.0.0 - v11-02f-Run1

ISOA3 - Strat zonal mean abs diff for Jan



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

ISOA3 - Strat zonal mean % diff for Jan



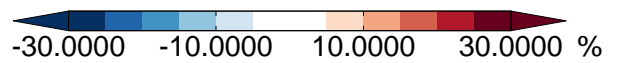
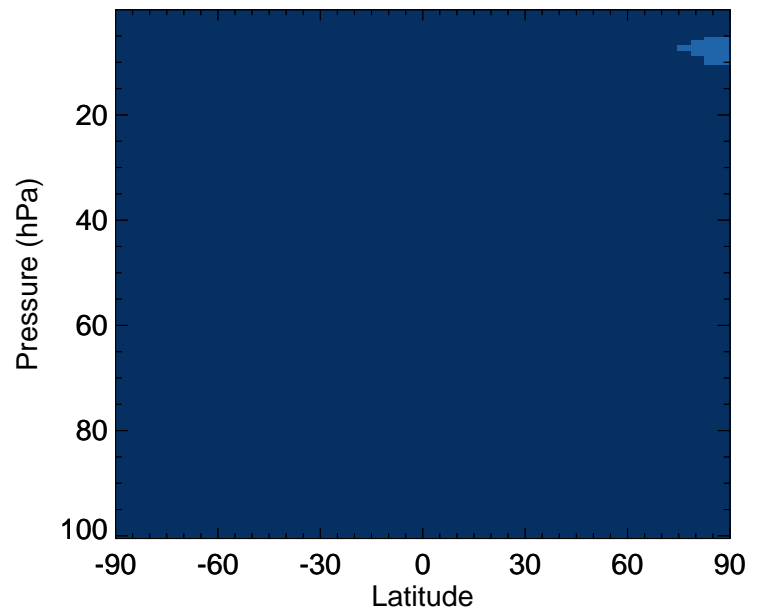
GC\_12.0.0 - v11-02e-Run1

ISOA3 - Strat zonal mean abs diff for Jan



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

ISOA3 - Strat zonal mean % diff for Jan



GEOS-Chem Stratospheric Zonal Difference Maps

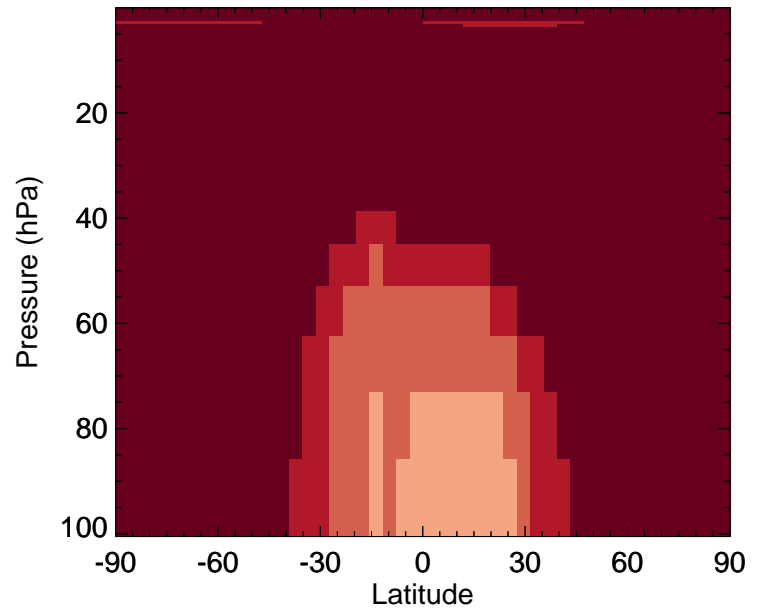
GC\_12.0.0 - v11-02f-Run1

ASOG1 - Strat zonal mean abs diff for Jan



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

ASOG1 - Strat zonal mean % diff for Jan



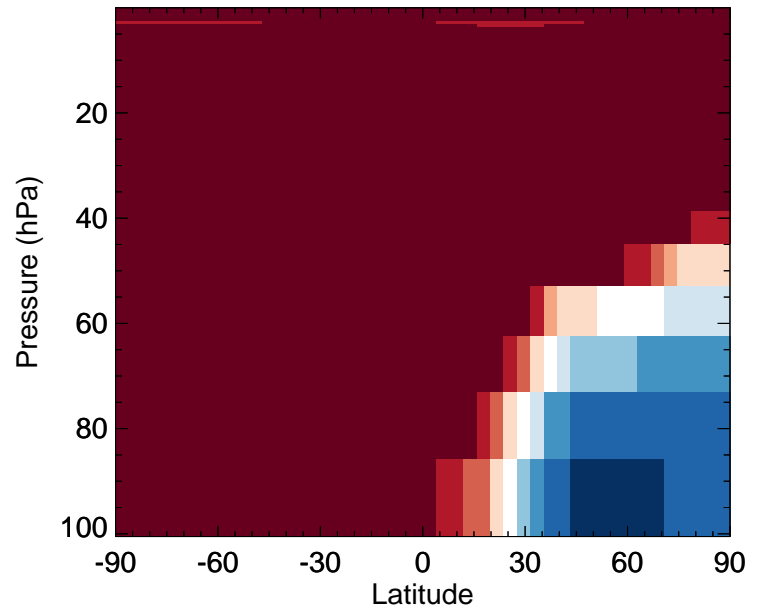
GC\_12.0.0 - v11-02e-Run1

ASOG1 - Strat zonal mean abs diff for Jan



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

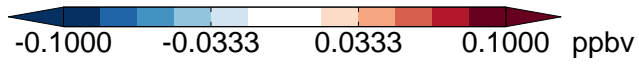
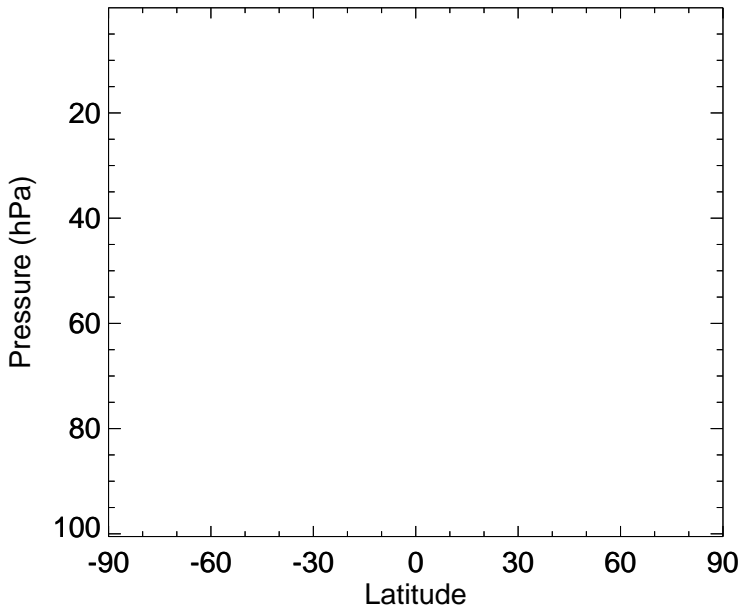
ASOG1 - Strat zonal mean % diff for Jan



# GEOS-Chem Stratospheric Zonal Difference Maps

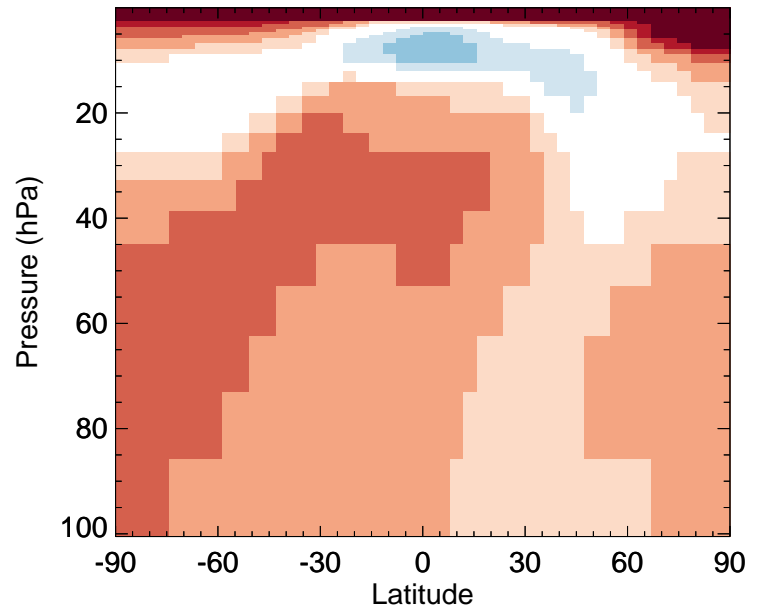
GC\_12.0.0 - v11-02f-Run1

ASOG2 - Strat zonal mean abs diff for Jan



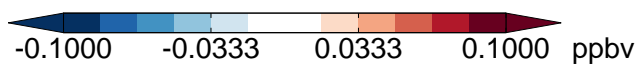
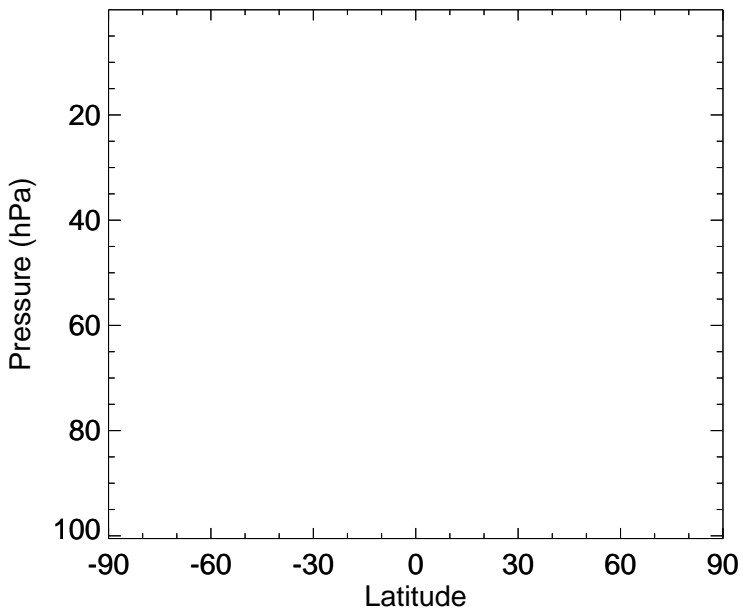
GC\_12.0.0 / v11-02f-Run1

ASOG2 - Strat zonal mean % diff for Jan



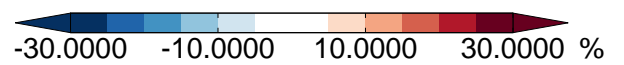
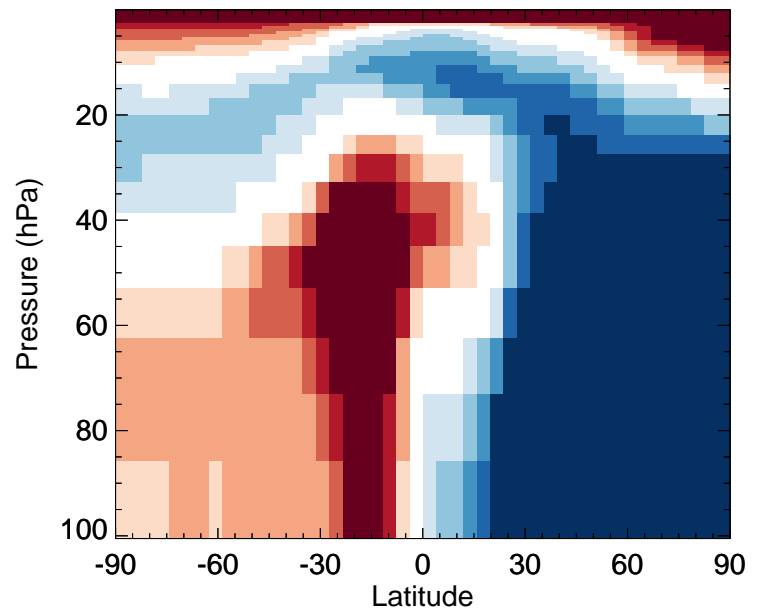
GC\_12.0.0 - v11-02e-Run1

ASOG2 - Strat zonal mean abs diff for Jan



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

ASOG2 - Strat zonal mean % diff for Jan

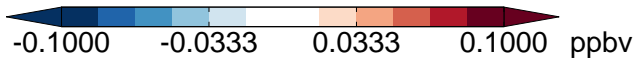
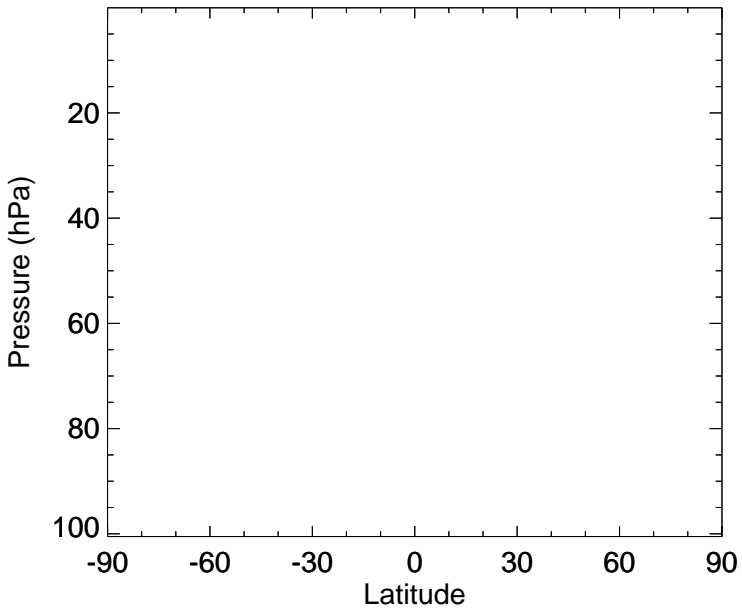




# GEOS-Chem Stratospheric Zonal Difference Maps

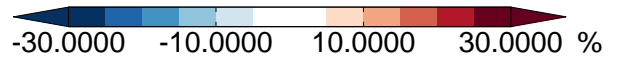
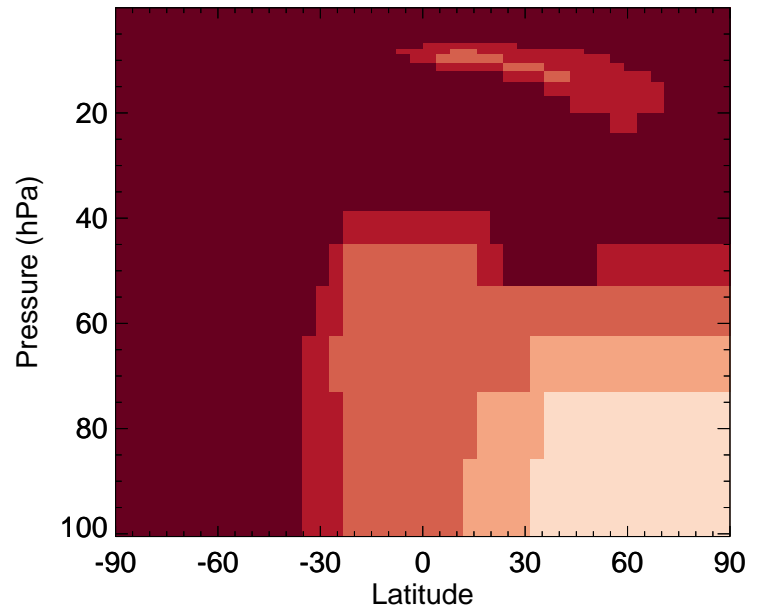
GC\_12.0.0 - v11-02f-Run1

ASOG3 - Strat zonal mean abs diff for Jan



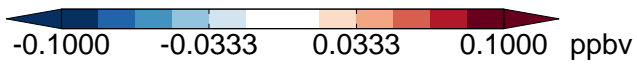
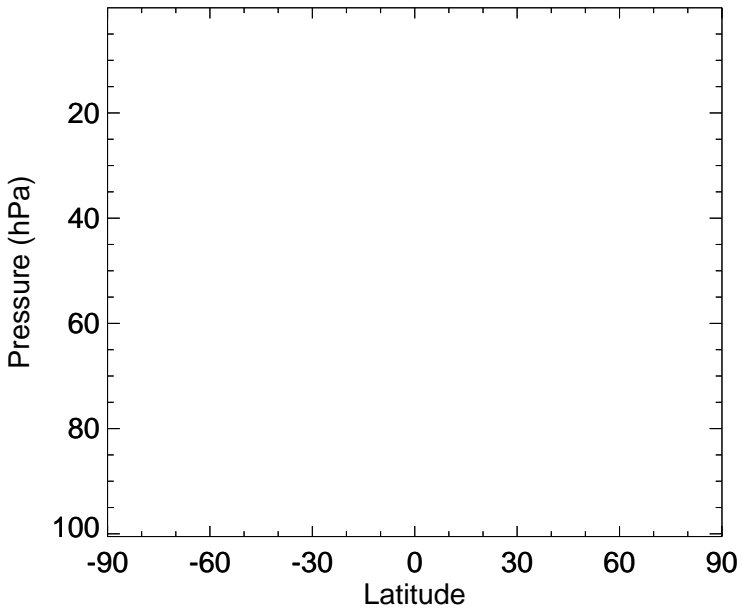
GC\_12.0.0 / v11-02f-Run1

ASOG3 - Strat zonal mean % diff for Jan



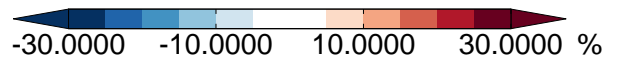
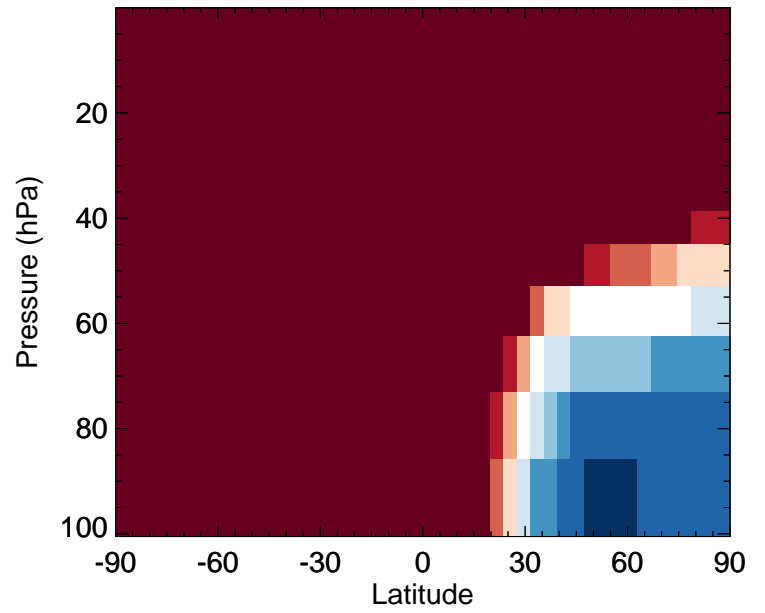
GC\_12.0.0 - v11-02e-Run1

ASOG3 - Strat zonal mean abs diff for Jan



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

ASOG3 - Strat zonal mean % diff for Jan



GEOS-Chem Stratospheric Zonal Difference Maps

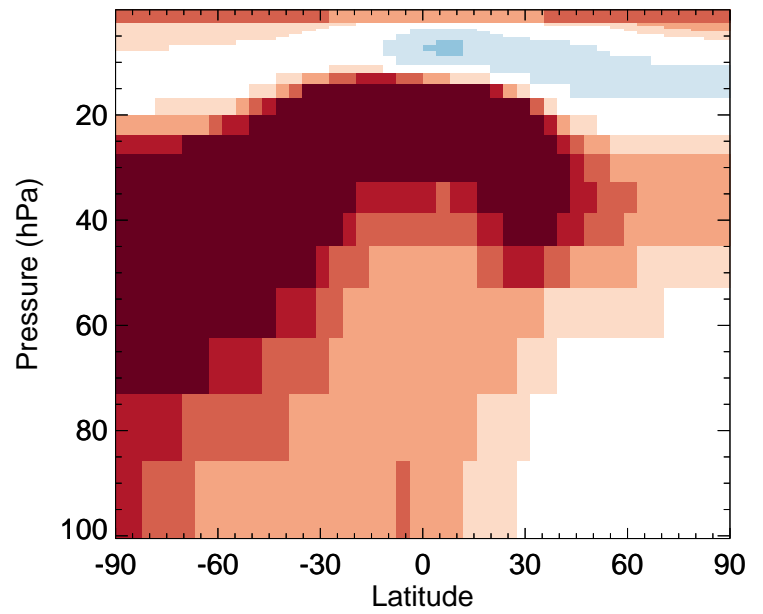
GC\_12.0.0 - v11-02f-Run1

ASOAN - Strat zonal mean abs diff for Jan



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

ASOAN - Strat zonal mean % diff for Jan



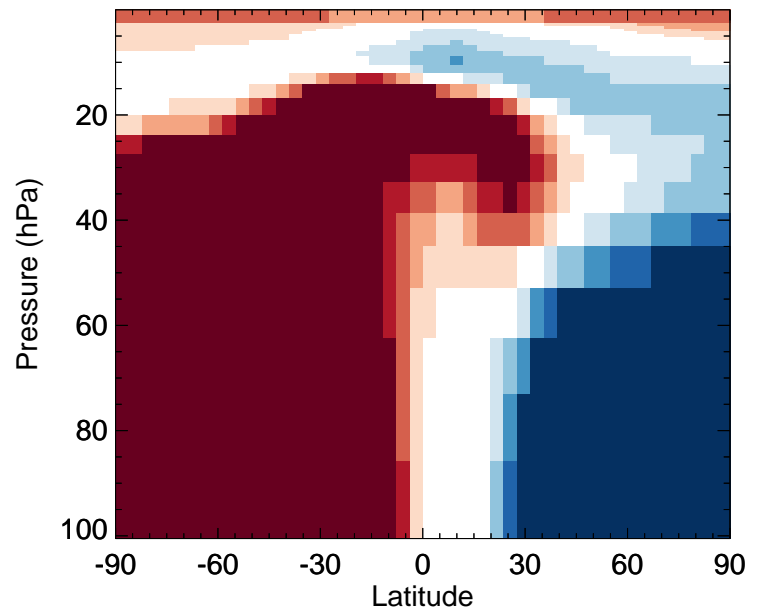
GC\_12.0.0 - v11-02e-Run1

ASOAN - Strat zonal mean abs diff for Jan



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

ASOAN - Strat zonal mean % diff for Jan



GEOS-Chem Stratospheric Zonal Difference Maps

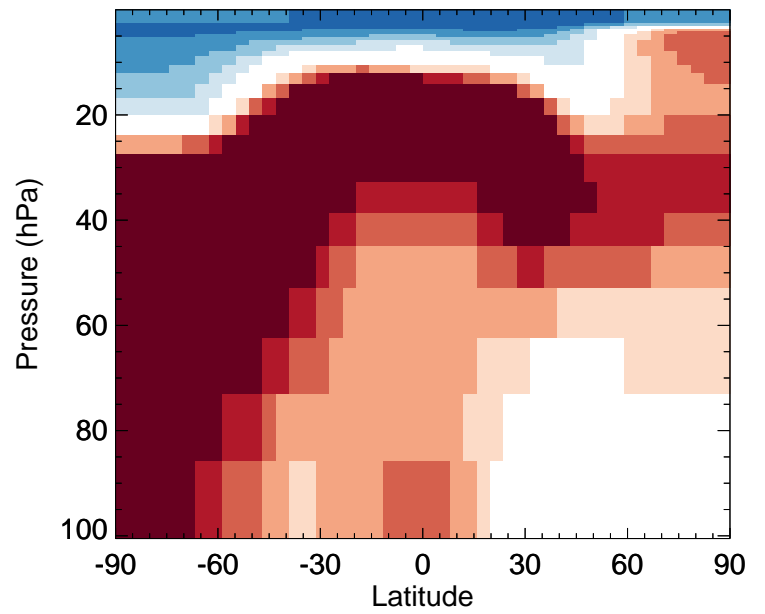
GC\_12.0.0 - v11-02f-Run1

ASOA1 - Strat zonal mean abs diff for Jan



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

ASOA1 - Strat zonal mean % diff for Jan



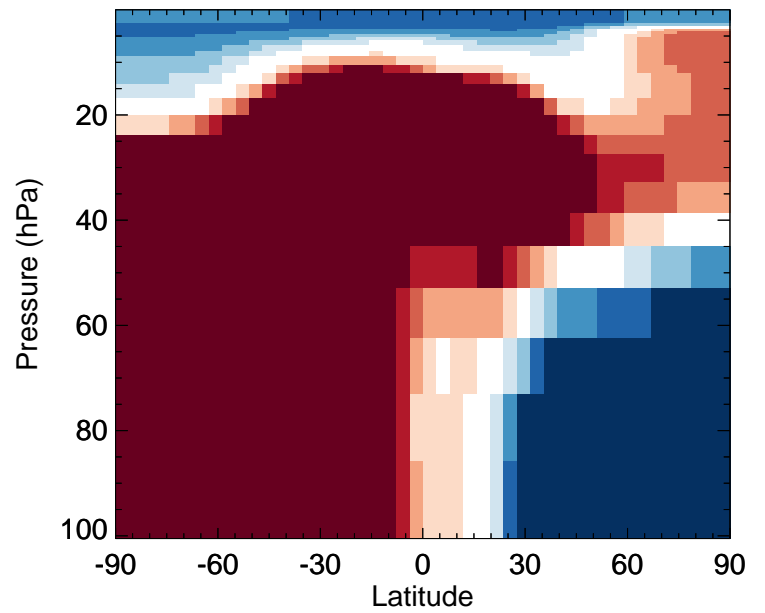
GC\_12.0.0 - v11-02e-Run1

ASOA1 - Strat zonal mean abs diff for Jan



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

ASOA1 - Strat zonal mean % diff for Jan



GEOS-Chem Stratospheric Zonal Difference Maps

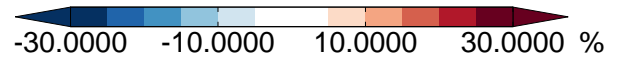
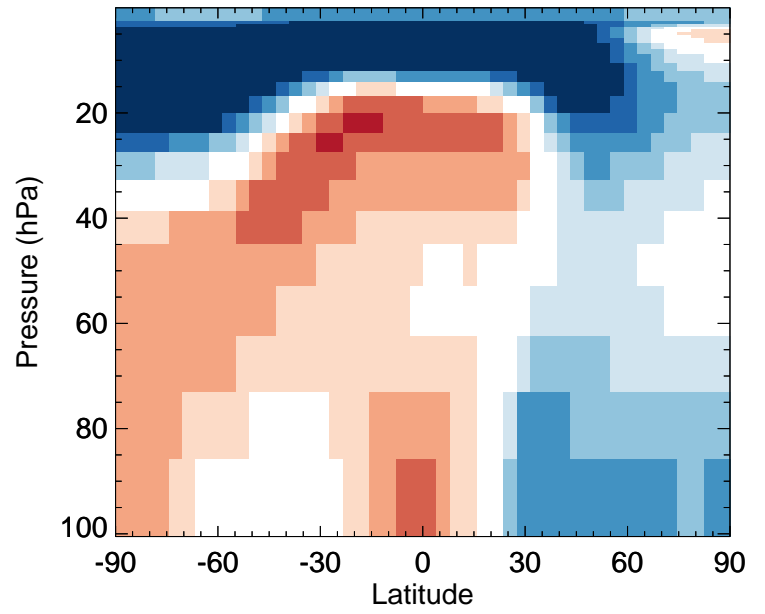
GC\_12.0.0 - v11-02f-Run1

ASOA2 - Strat zonal mean abs diff for Jan



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

ASOA2 - Strat zonal mean % diff for Jan



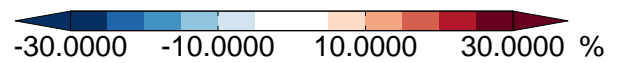
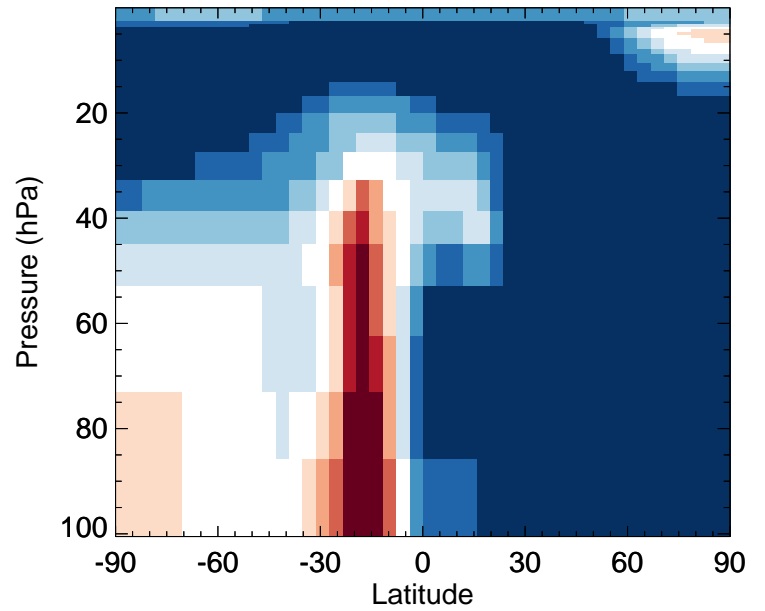
GC\_12.0.0 - v11-02e-Run1

ASOA2 - Strat zonal mean abs diff for Jan



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

ASOA2 - Strat zonal mean % diff for Jan



# GEOS-Chem Stratospheric Zonal Difference Maps

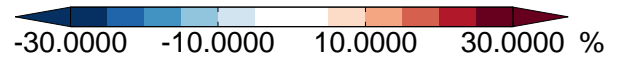
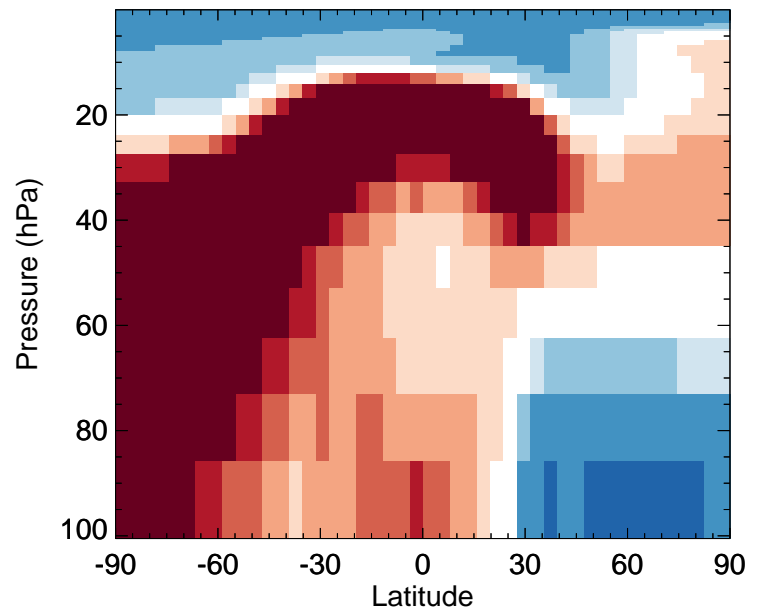
GC\_12.0.0 - v11-02f-Run1

ASOA3 - Strat zonal mean abs diff for Jan



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

ASOA3 - Strat zonal mean % diff for Jan



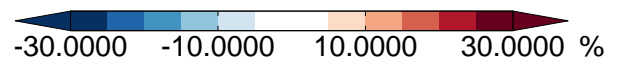
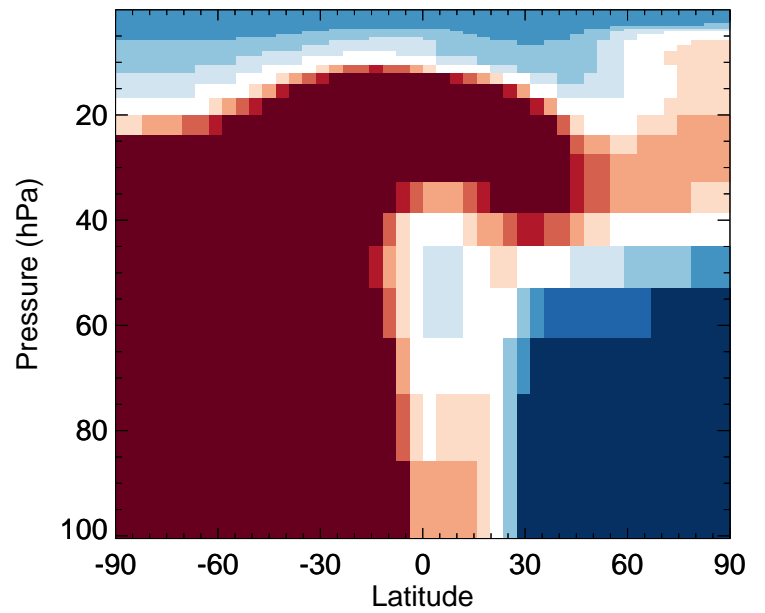
GC\_12.0.0 - v11-02e-Run1

ASOA3 - Strat zonal mean abs diff for Jan



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

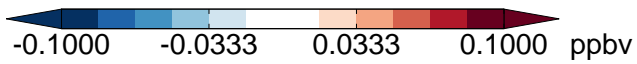
ASOA3 - Strat zonal mean % diff for Jan



# GEOS-Chem Stratospheric Zonal Difference Maps

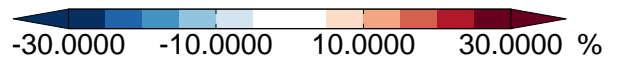
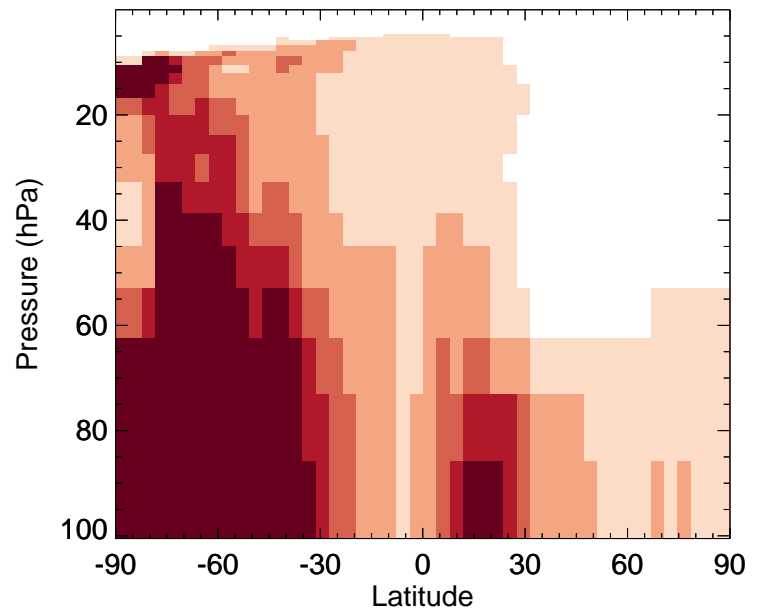
## GC\_12.0.0 - v11-02f-Run1

SOAP - Strat zonal mean abs diff for Jan



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

SOAP - Strat zonal mean % diff for Jan



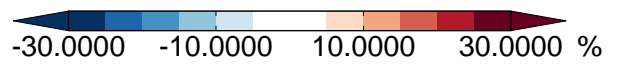
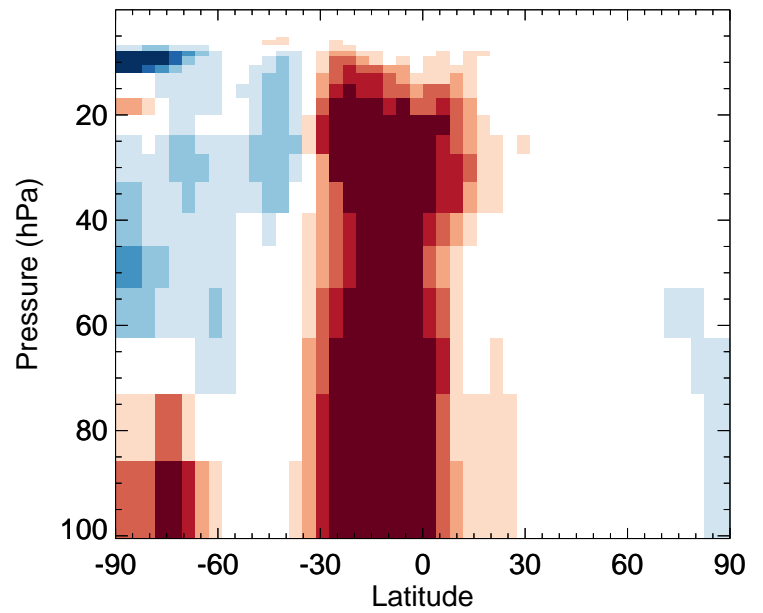
## GC\_12.0.0 - v11-02e-Run1

SOAP - Strat zonal mean abs diff for Jan



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

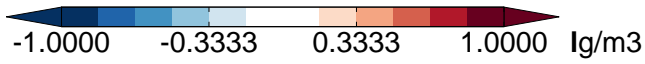
SOAP - Strat zonal mean % diff for Jan



# GEOS-Chem Stratospheric Zonal Difference Maps

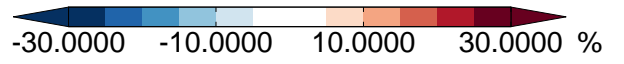
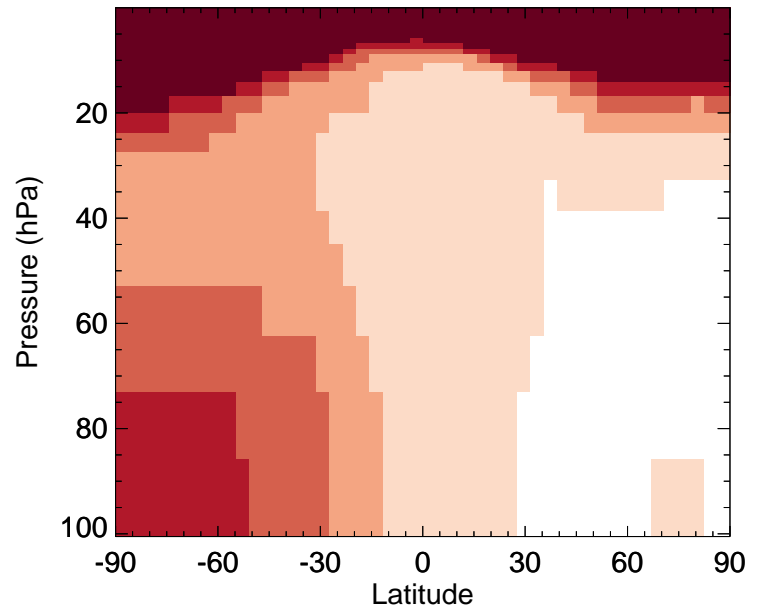
GC\_12.0.0 - v11-02f-Run1

SOAS - Strat zonal mean abs diff for Jan



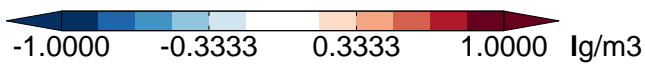
GC\_12.0.0 / v11-02f-Run1

SOAS - Strat zonal mean % diff for Jan



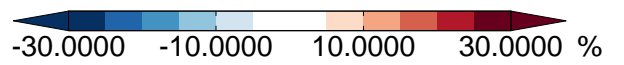
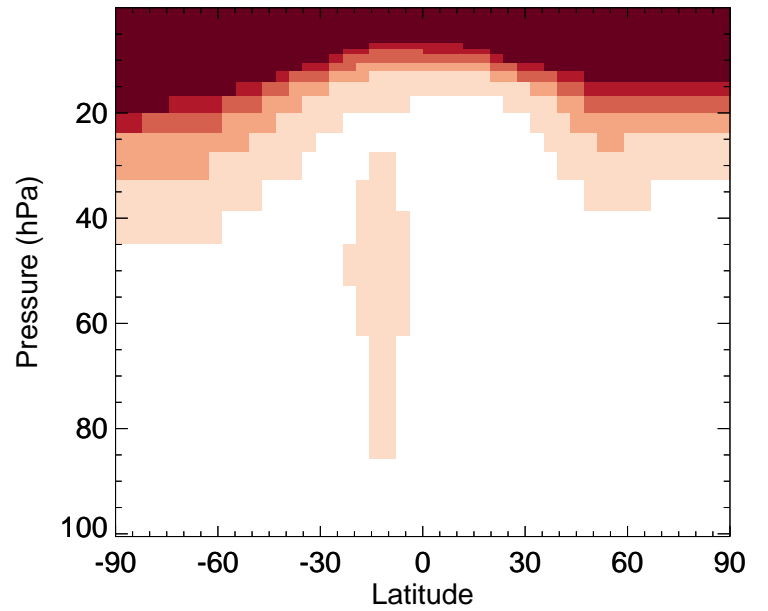
GC\_12.0.0 - v11-02e-Run1

SOAS - Strat zonal mean abs diff for Jan



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

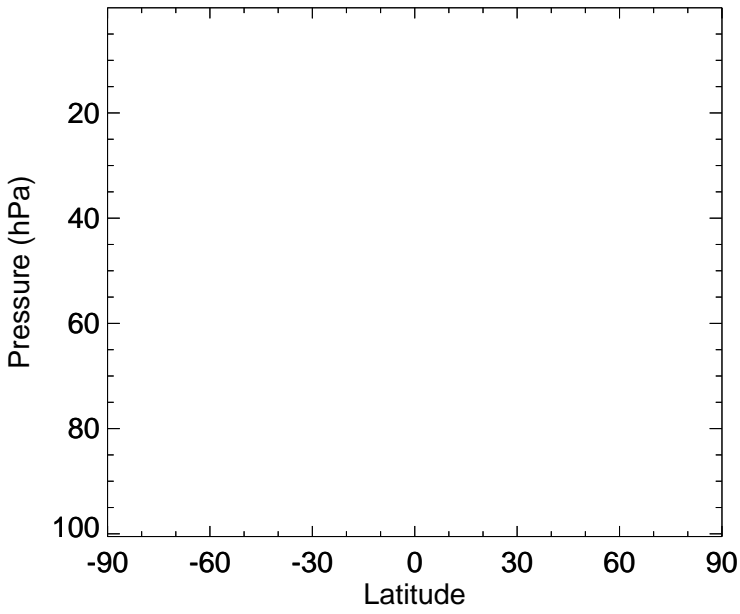
SOAS - Strat zonal mean % diff for Jan



GEOS-Chem Stratospheric Zonal Difference Maps

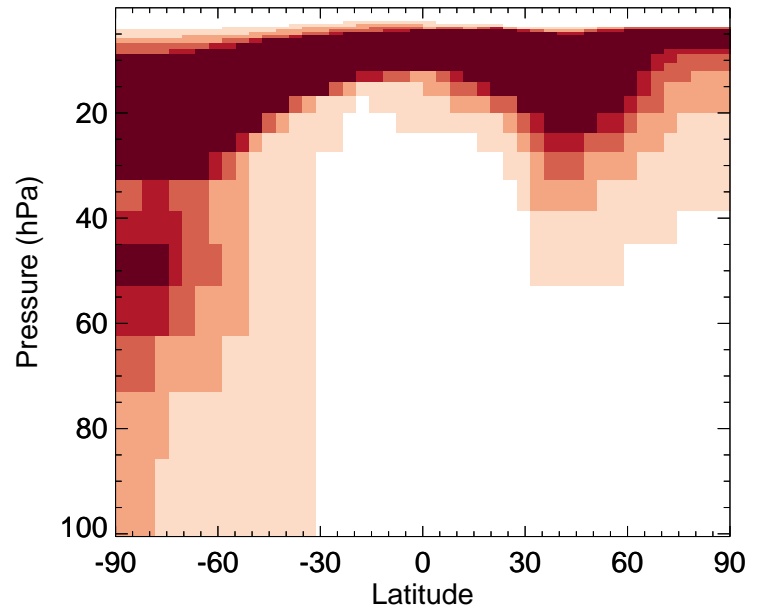
GC\_12.0.0 - v11-02f-Run1

EOH - Strat zonal mean abs diff for Jan



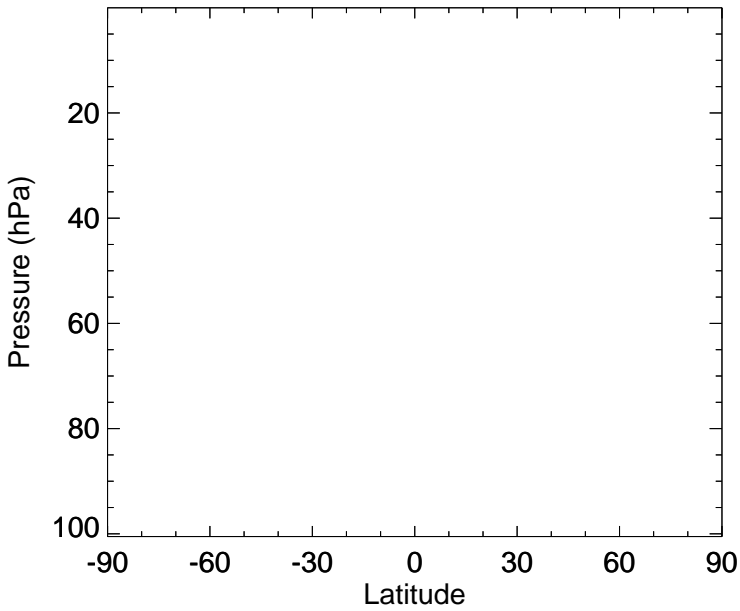
GC\_12.0.0 / v11-02f-Run1

EOH - Strat zonal mean % diff for Jan



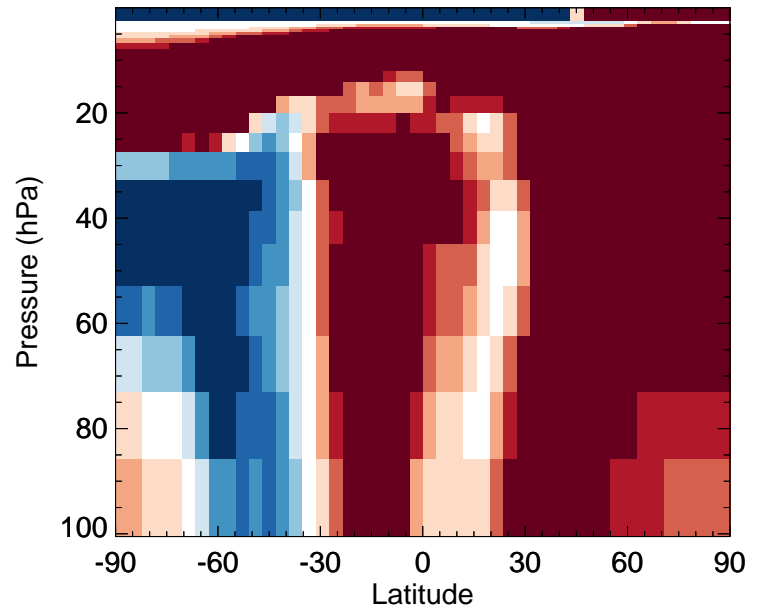
GC\_12.0.0 - v11-02e-Run1

EOH - Strat zonal mean abs diff for Jan



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

EOH - Strat zonal mean % diff for Jan

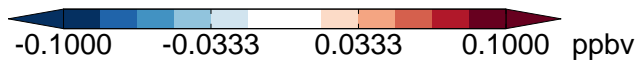




GEOS-Chem Stratospheric Zonal Difference Maps

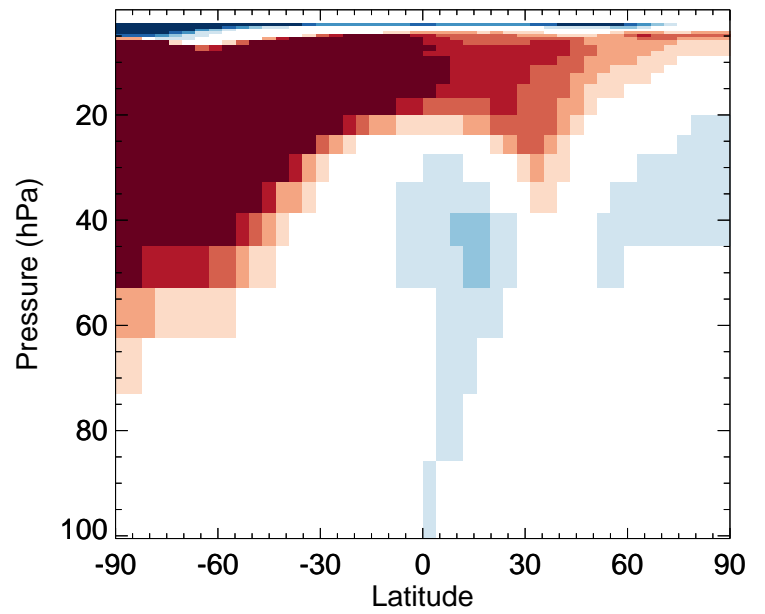
GC\_12.0.0 - v11-02f-Run1

MGLY - Strat zonal mean abs diff for Jan



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

MGLY - Strat zonal mean % diff for Jan



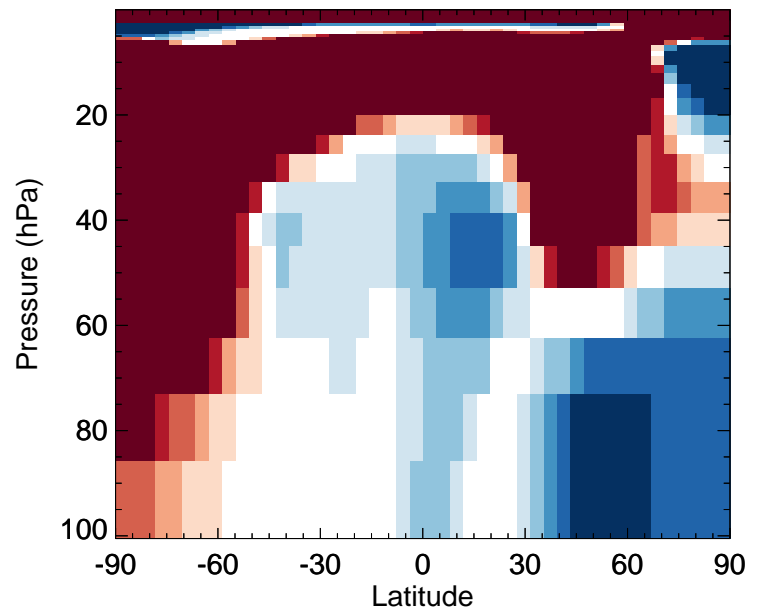
GC\_12.0.0 - v11-02e-Run1

MGLY - Strat zonal mean abs diff for Jan



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

MGLY - Strat zonal mean % diff for Jan



# GEOS-Chem Stratospheric Zonal Difference Maps

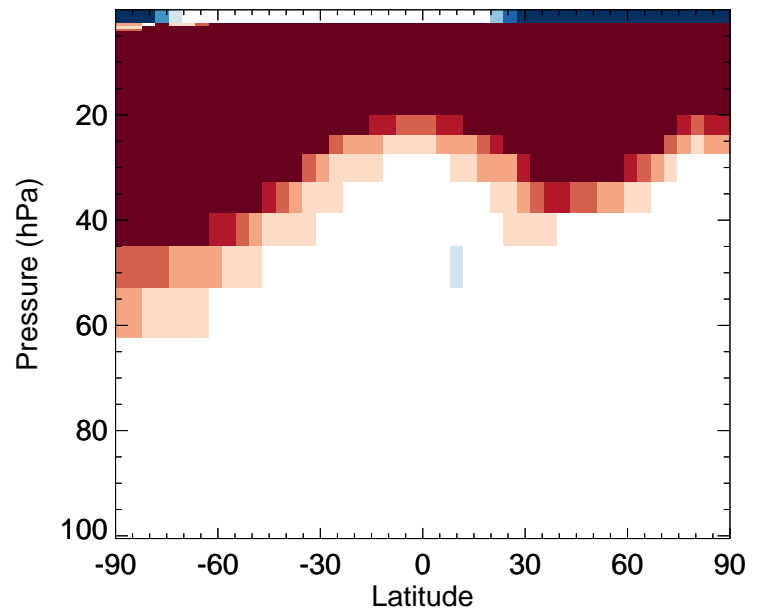
GC\_12.0.0 - v11-02f-Run1

GLYX - Strat zonal mean abs diff for Jan



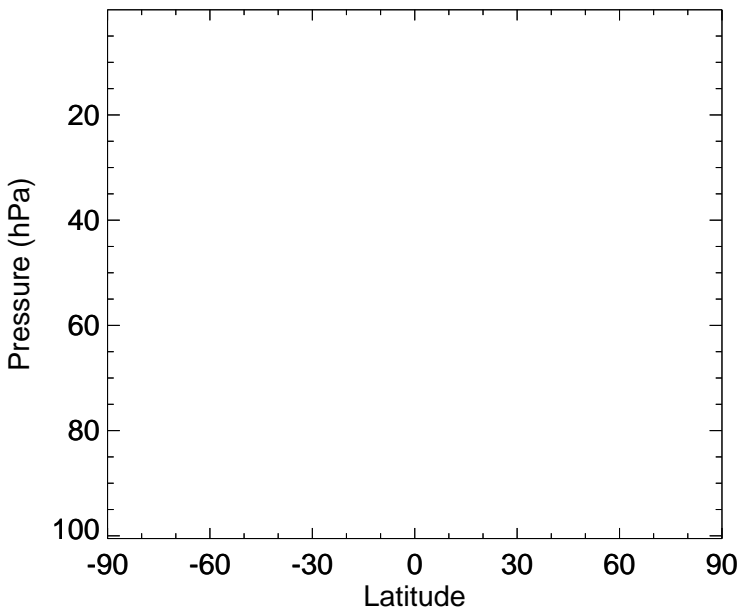
GC\_12.0.0 / v11-02f-Run1

GLYX - Strat zonal mean % diff for Jan



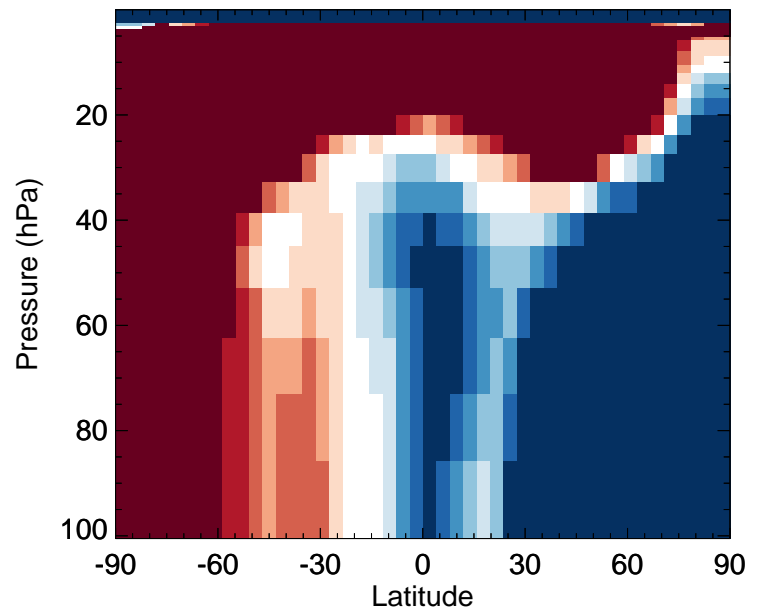
GC\_12.0.0 - v11-02e-Run1

GLYX - Strat zonal mean abs diff for Jan



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

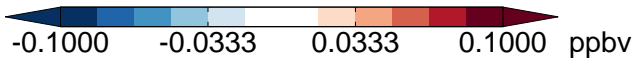
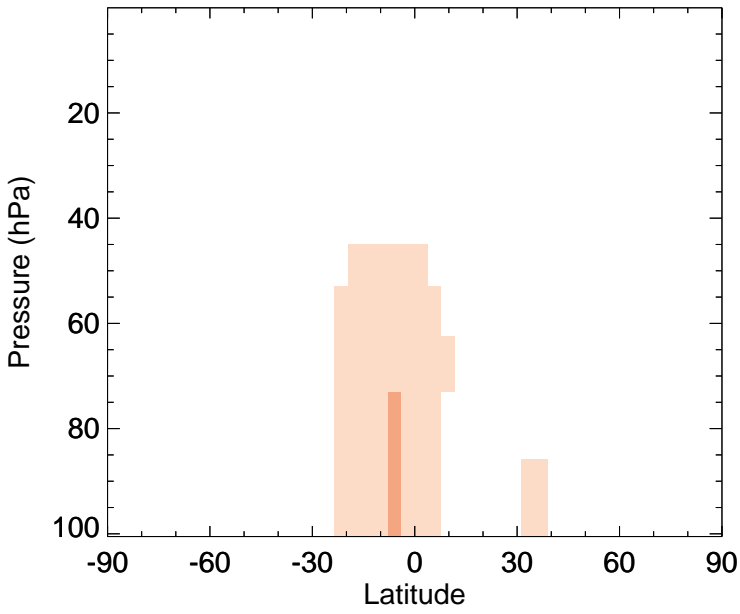
GLYX - Strat zonal mean % diff for Jan



# GEOS-Chem Stratospheric Zonal Difference Maps

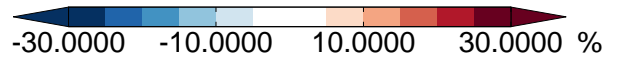
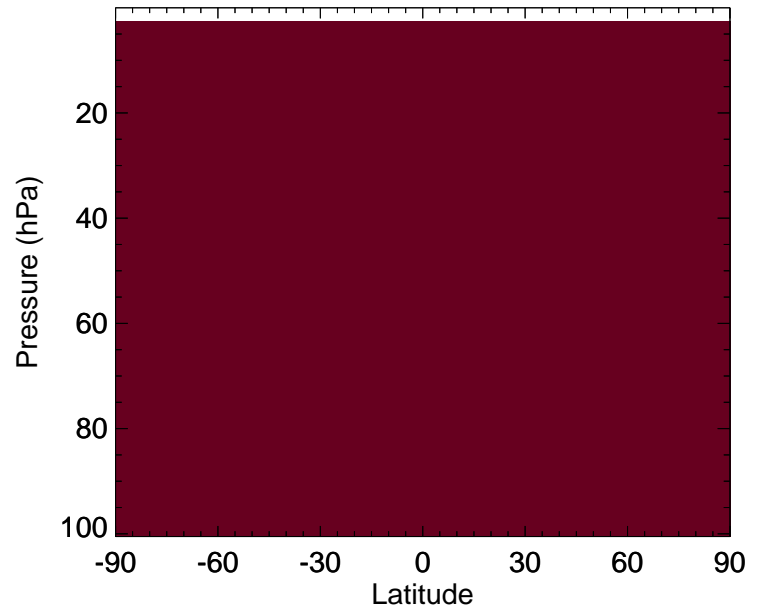
## GC\_12.0.0 - v11-02f-Run1

ACTA - Strat zonal mean abs diff for Jan



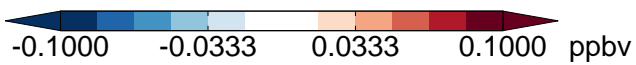
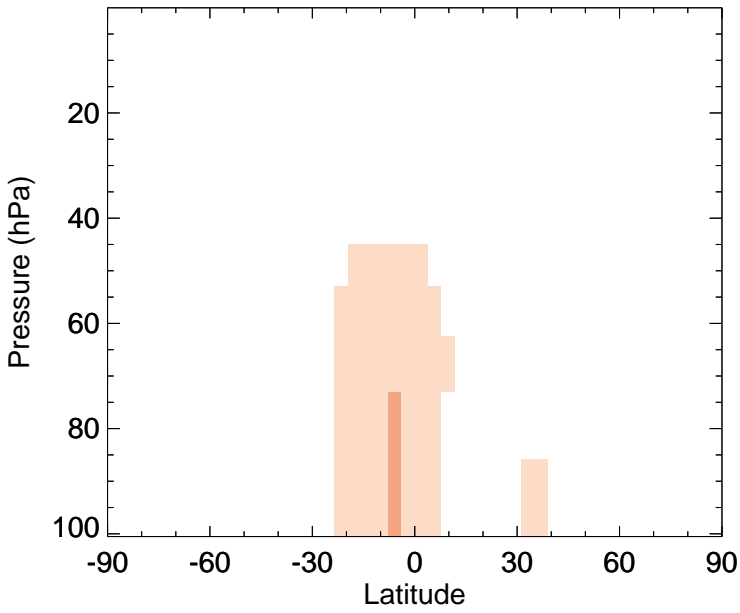
## GC\_12.0.0 / v11-02f-Run1

ACTA - Strat zonal mean % diff for Jan



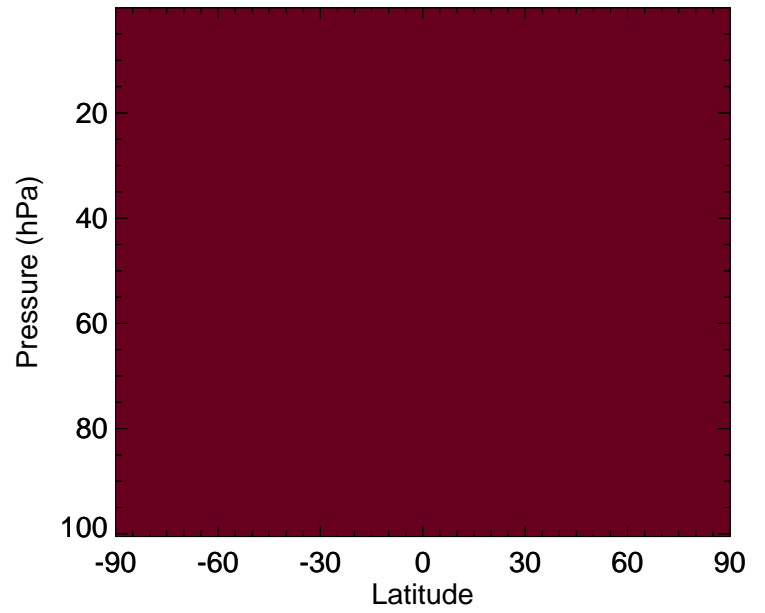
## GC\_12.0.0 - v11-02e-Run1

ACTA - Strat zonal mean abs diff for Jan



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

ACTA - Strat zonal mean % diff for Jan



GEOS-Chem Stratospheric Zonal Difference Maps

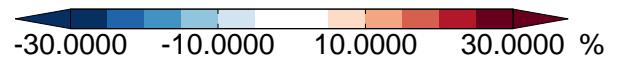
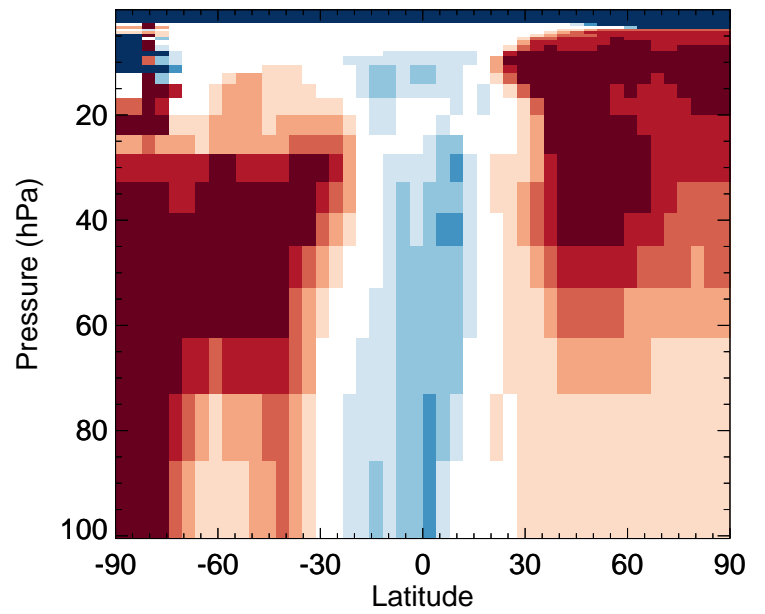
GC\_12.0.0 - v11-02f-Run1

HPALD - Strat zonal mean abs diff for Jan



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

HPALD - Strat zonal mean % diff for Jan



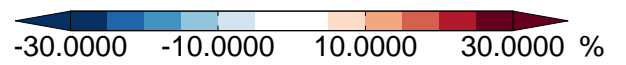
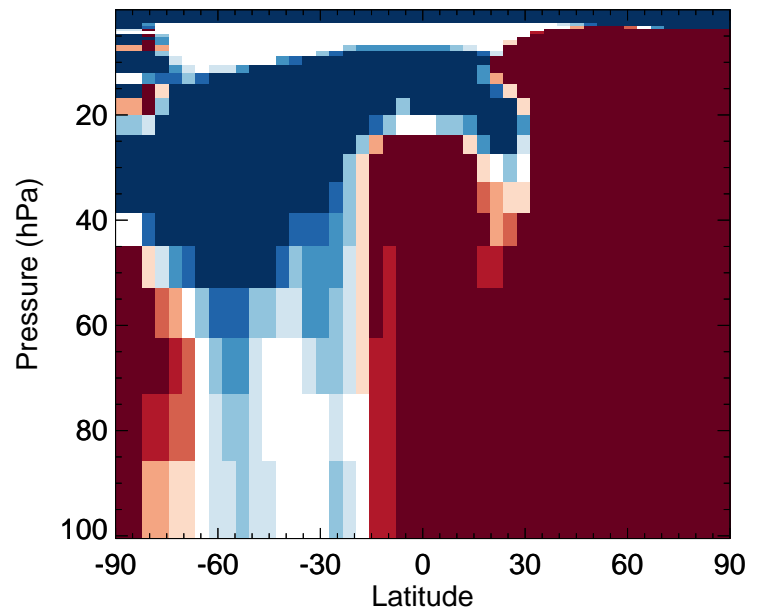
GC\_12.0.0 - v11-02e-Run1

HPALD - Strat zonal mean abs diff for Jan



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

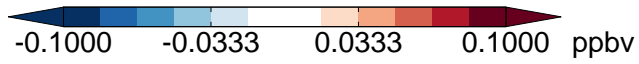
HPALD - Strat zonal mean % diff for Jan



GEOS-Chem Stratospheric Zonal Difference Maps

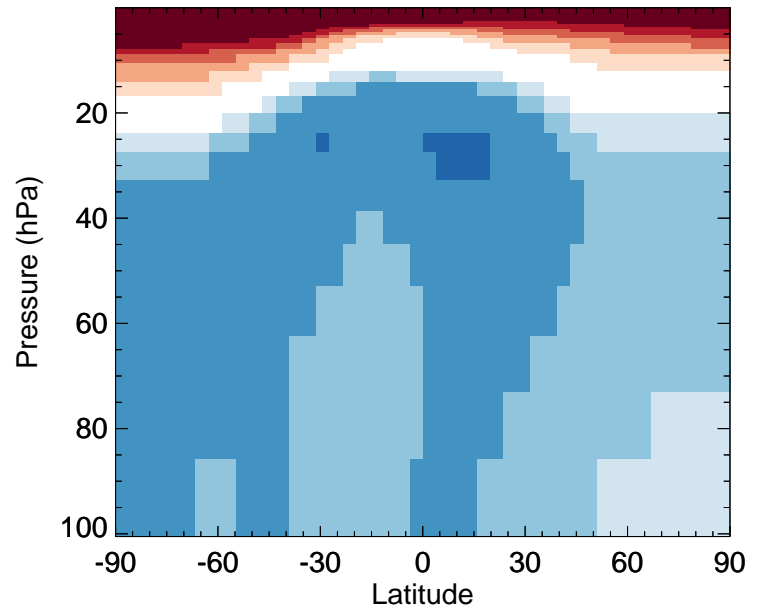
GC\_12.0.0 - v11-02f-Run1

DHDN - Strat zonal mean abs diff for Jan



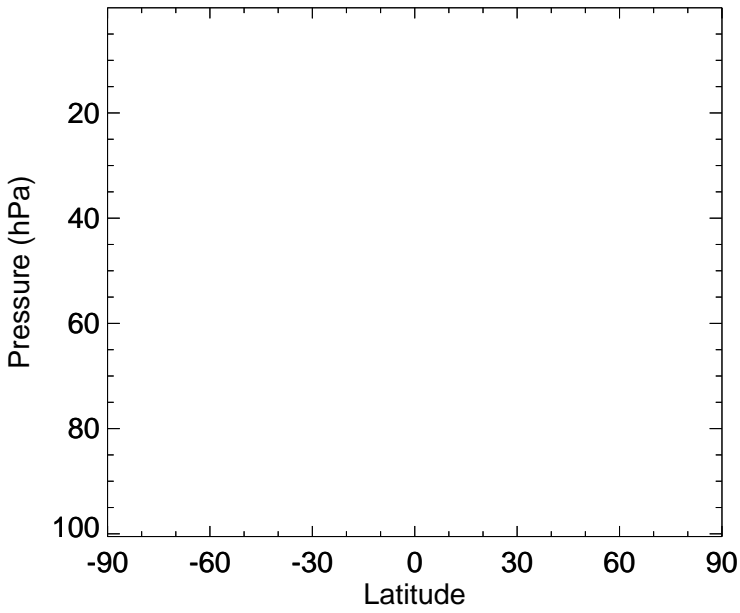
GC\_12.0.0 / v11-02f-Run1

DHDN - Strat zonal mean % diff for Jan



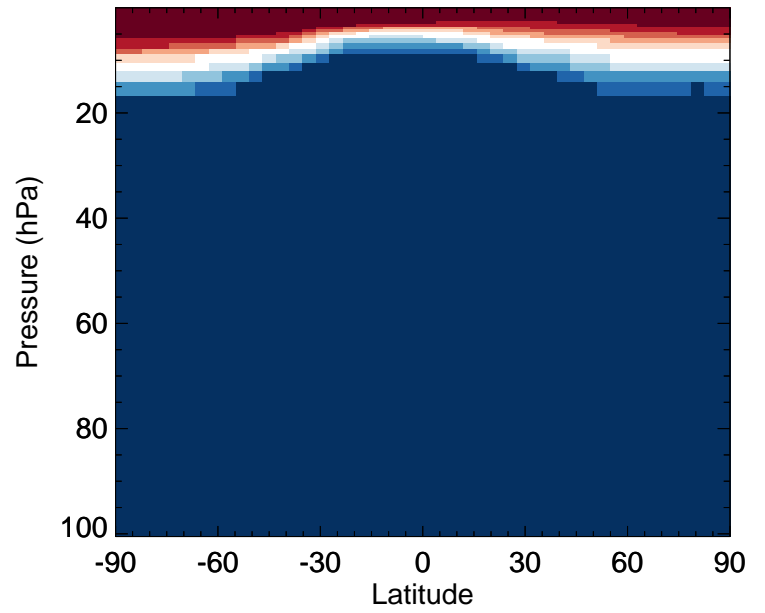
GC\_12.0.0 - v11-02e-Run1

DHDN - Strat zonal mean abs diff for Jan



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

DHDN - Strat zonal mean % diff for Jan



# GEOS-Chem Stratospheric Zonal Difference Maps

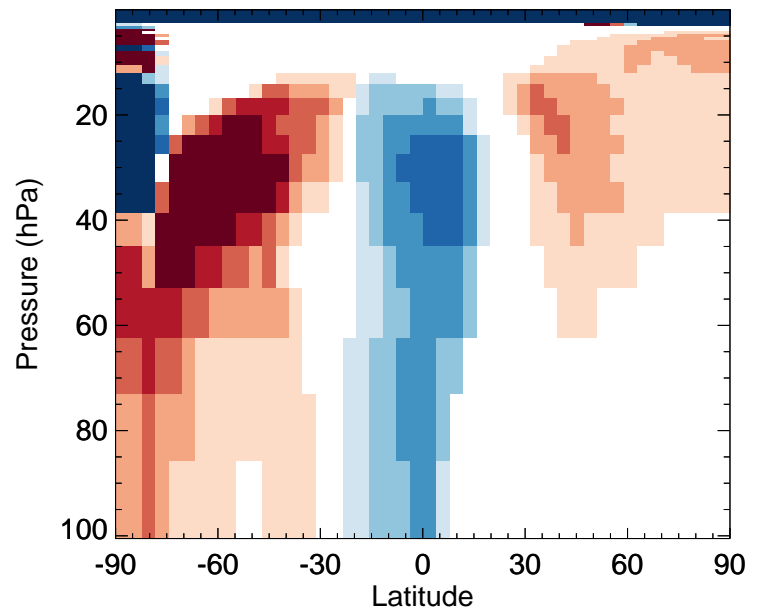
GC\_12.0.0 - v11-02f-Run1

ETHLN - Strat zonal mean abs diff for Jan



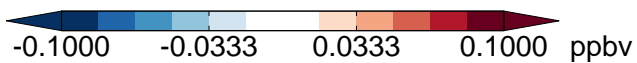
GC\_12.0.0 / v11-02f-Run1

ETHLN - Strat zonal mean % diff for Jan



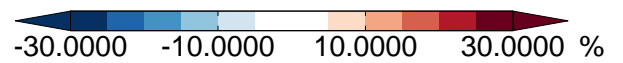
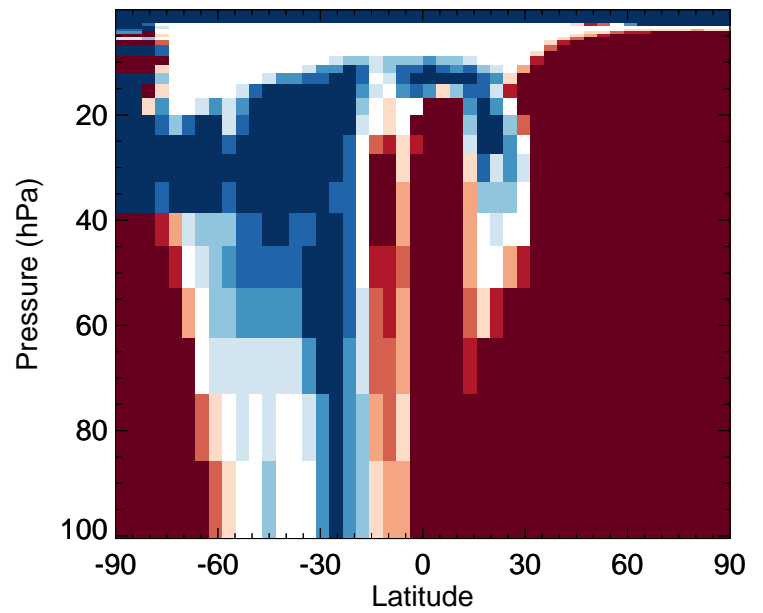
GC\_12.0.0 - v11-02e-Run1

ETHLN - Strat zonal mean abs diff for Jan



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

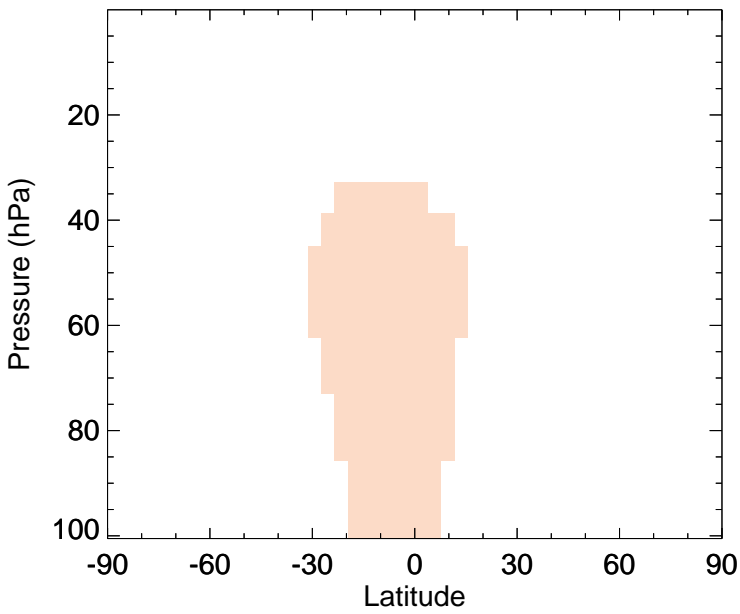
ETHLN - Strat zonal mean % diff for Jan



GEOS-Chem Stratospheric Zonal Difference Maps

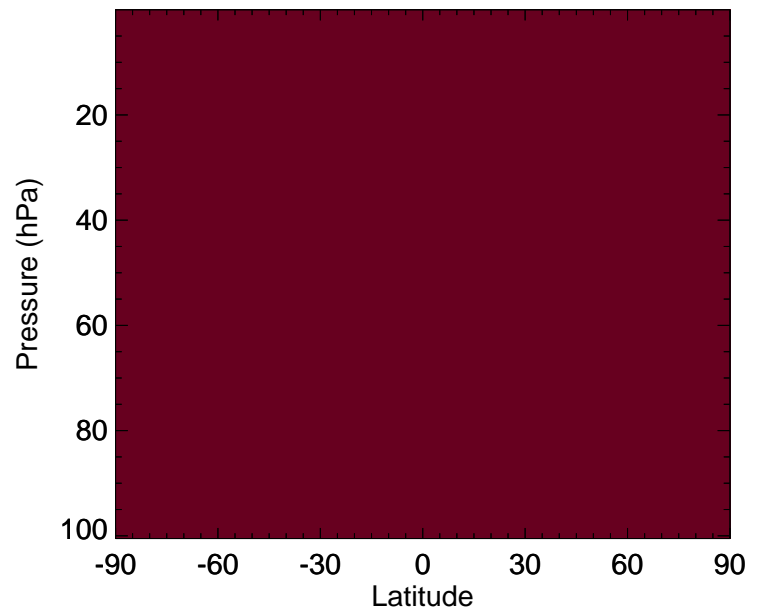
GC\_12.0.0 - v11-02f-Run1

HCOOH - Strat zonal mean abs diff for Jan



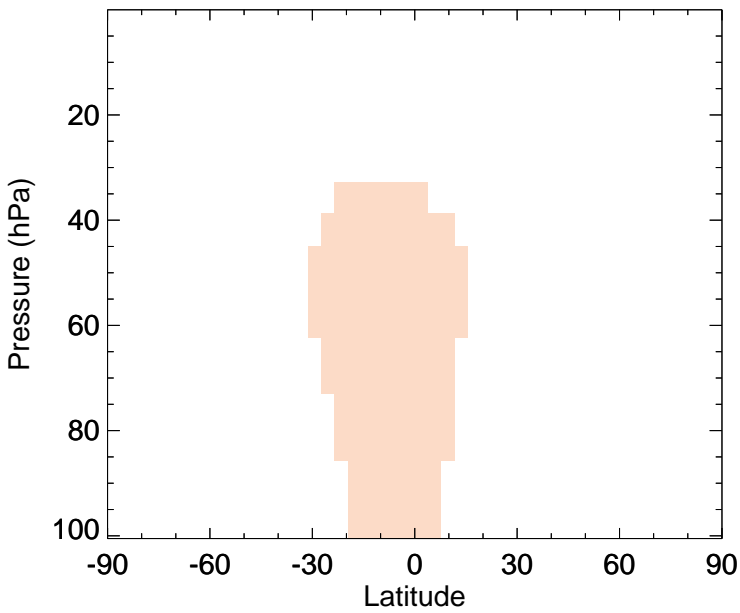
GC\_12.0.0 / v11-02f-Run1

HCOOH - Strat zonal mean % diff for Jan



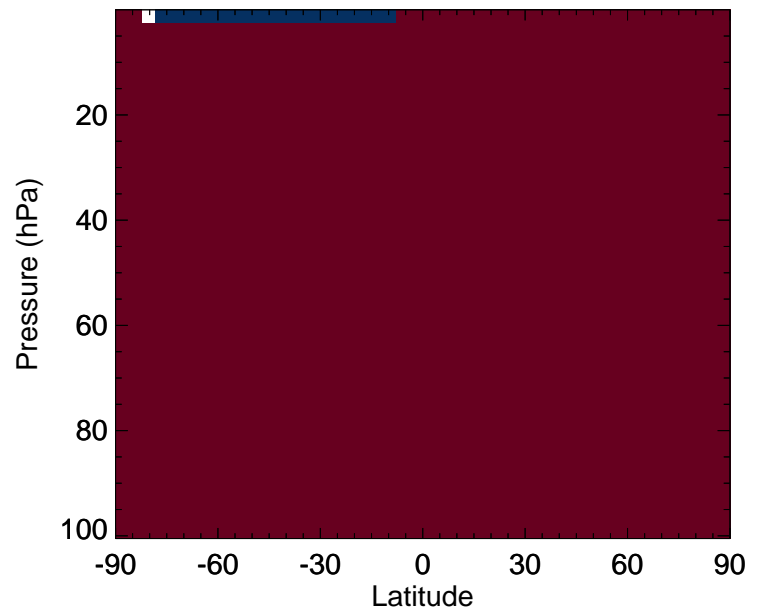
GC\_12.0.0 - v11-02e-Run1

HCOOH - Strat zonal mean abs diff for Jan



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

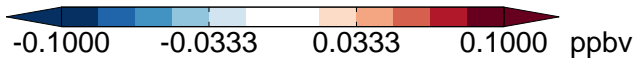
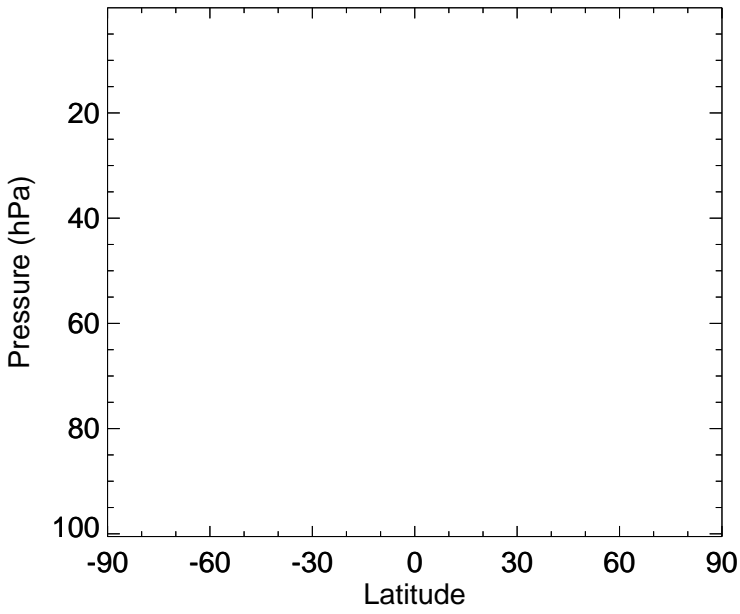
HCOOH - Strat zonal mean % diff for Jan



GEOS-Chem Stratospheric Zonal Difference Maps

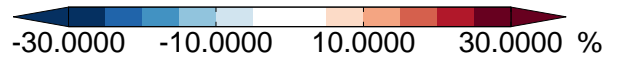
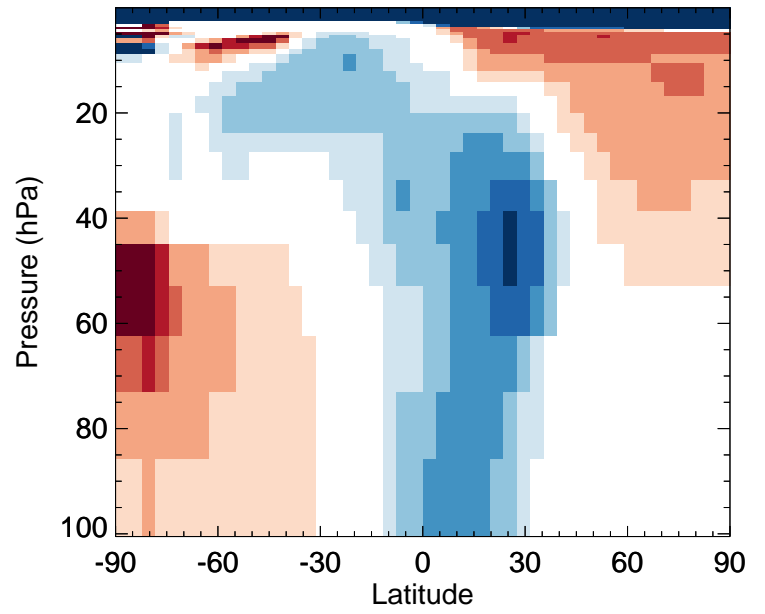
GC\_12.0.0 - v11-02f-Run1

IEPOXA - Strat zonal mean abs diff for Jan



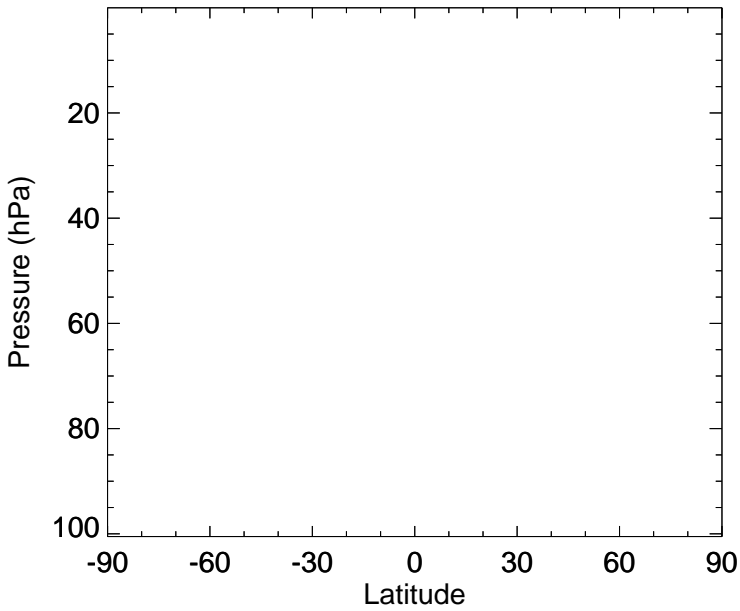
GC\_12.0.0 / v11-02f-Run1

IEPOXA - Strat zonal mean % diff for Jan



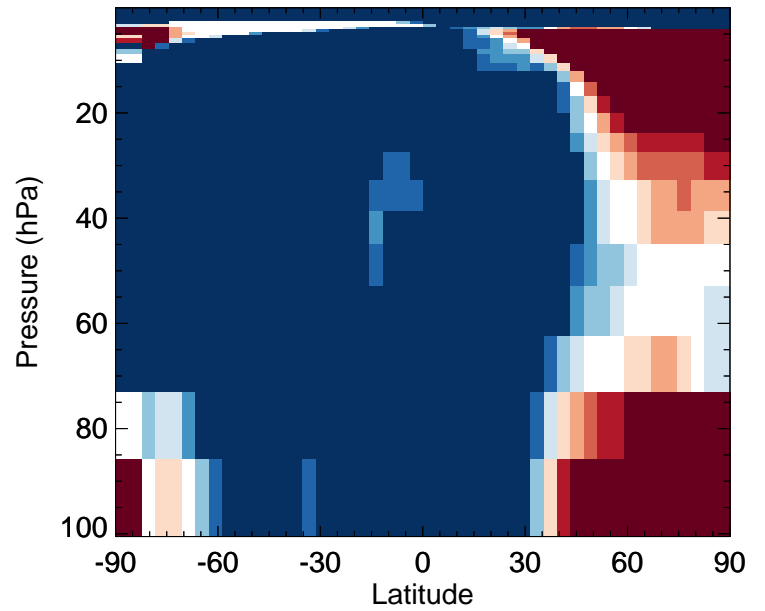
GC\_12.0.0 - v11-02e-Run1

IEPOXA - Strat zonal mean abs diff for Jan



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

IEPOXA - Strat zonal mean % diff for Jan

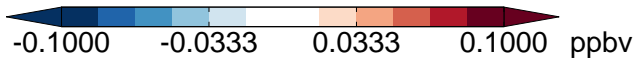




GEOS-Chem Stratospheric Zonal Difference Maps

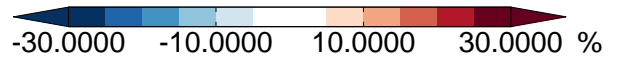
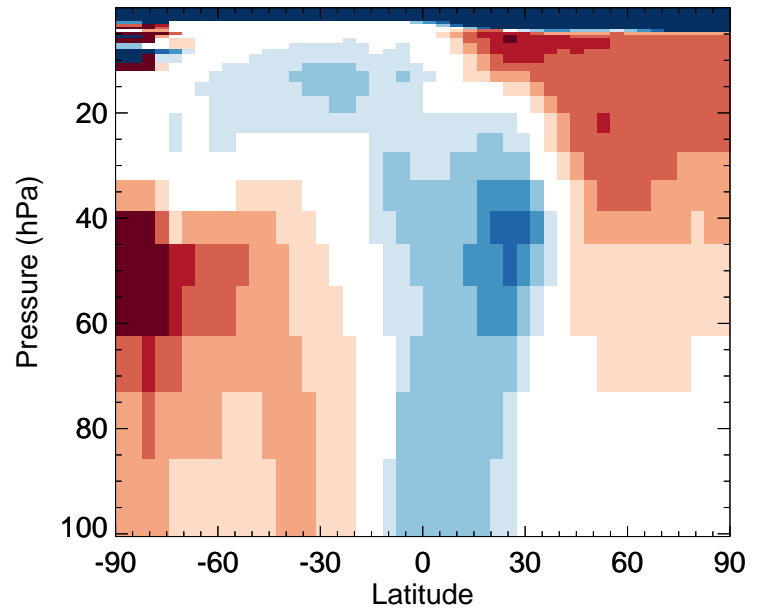
GC\_12.0.0 - v11-02f-Run1

IEPOXB - Strat zonal mean abs diff for Jan



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

IEPOXB - Strat zonal mean % diff for Jan



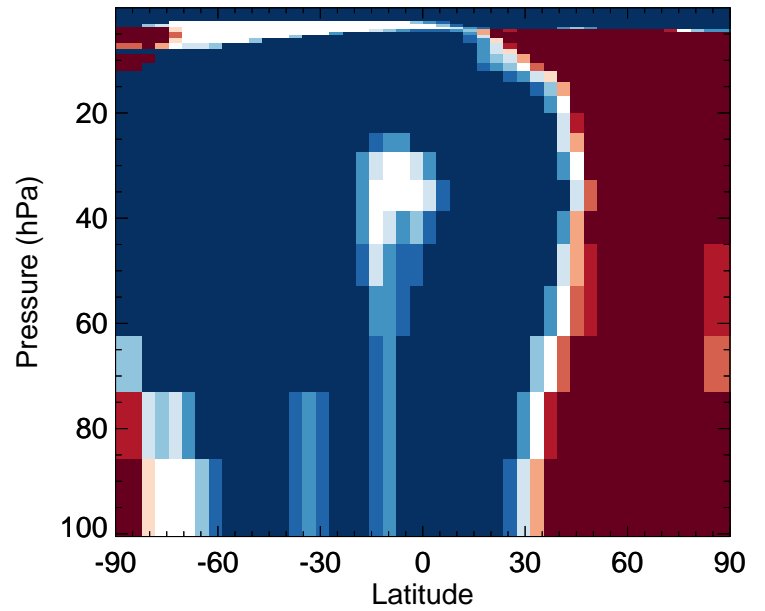
GC\_12.0.0 - v11-02e-Run1

IEPOXB - Strat zonal mean abs diff for Jan



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

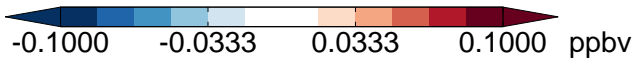
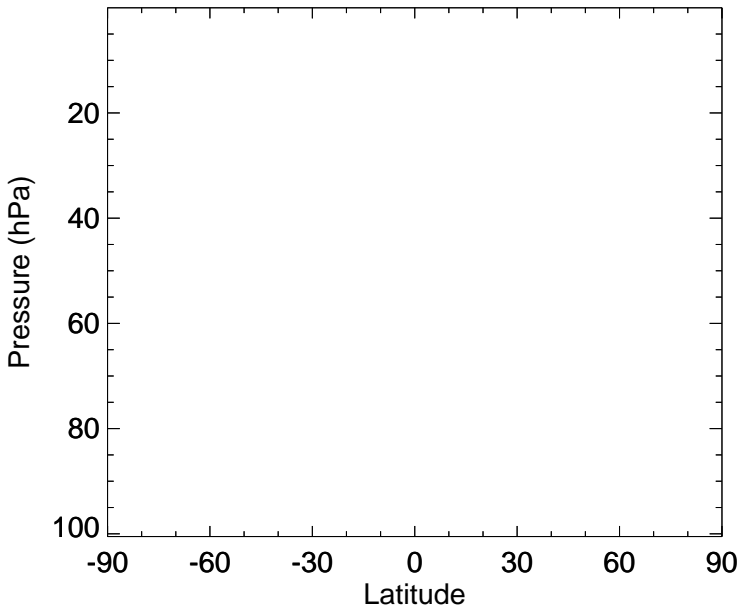
IEPOXB - Strat zonal mean % diff for Jan



# GEOS-Chem Stratospheric Zonal Difference Maps

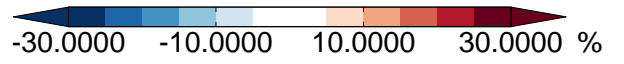
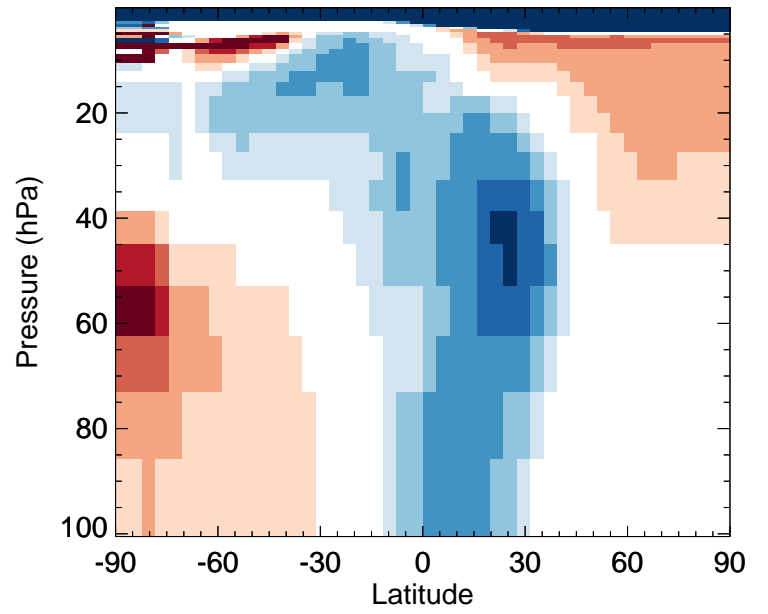
GC\_12.0.0 - v11-02f-Run1

IEPOXD - Strat zonal mean abs diff for Jan



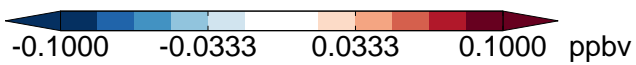
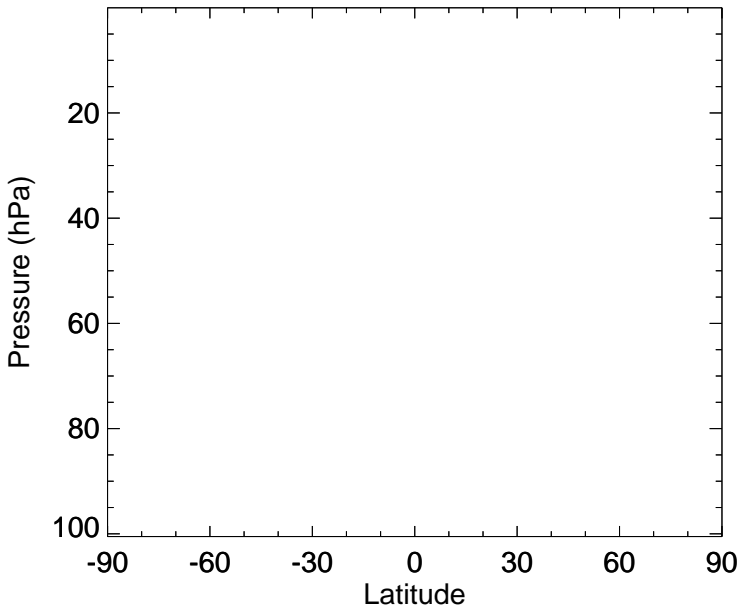
GC\_12.0.0 / v11-02f-Run1

IEPOXD - Strat zonal mean % diff for Jan



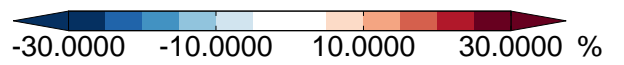
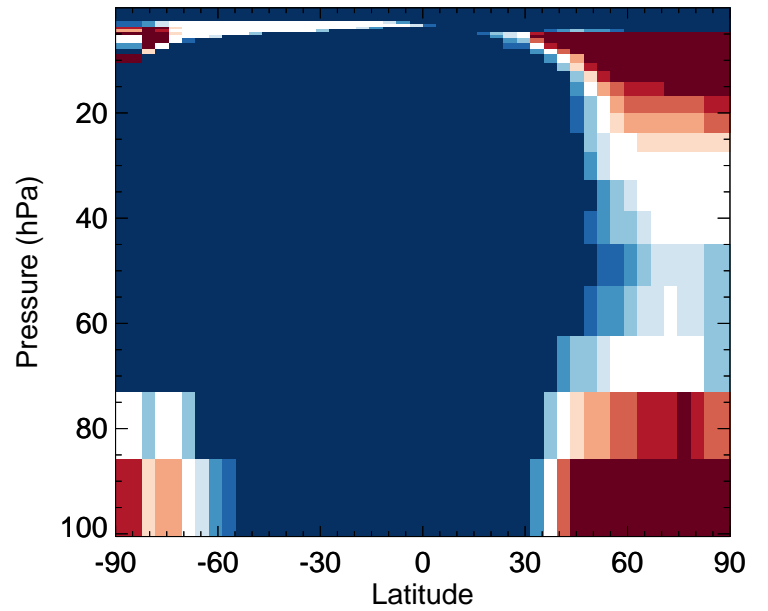
GC\_12.0.0 - v11-02e-Run1

IEPOXD - Strat zonal mean abs diff for Jan



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

IEPOXD - Strat zonal mean % diff for Jan



# GEOS-Chem Stratospheric Zonal Difference Maps

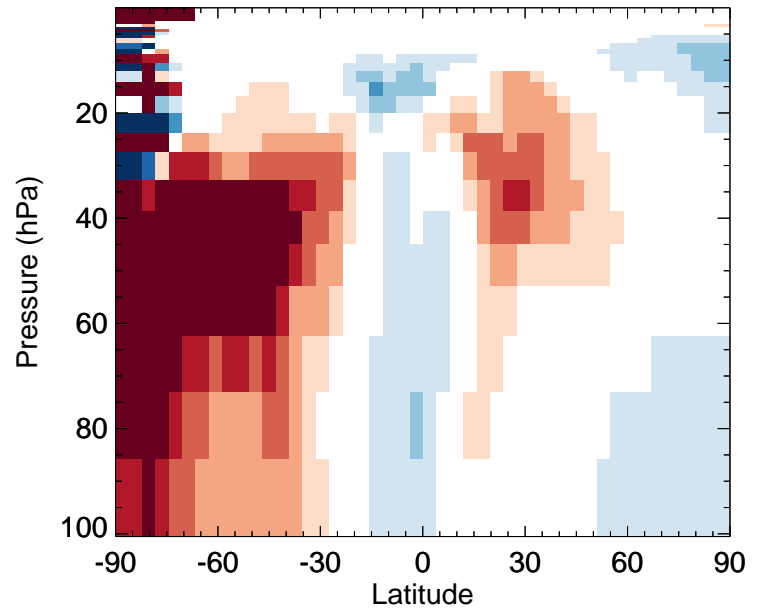
GC\_12.0.0 - v11-02f-Run1

ISN1 - Strat zonal mean abs diff for Jan



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

ISN1 - Strat zonal mean % diff for Jan



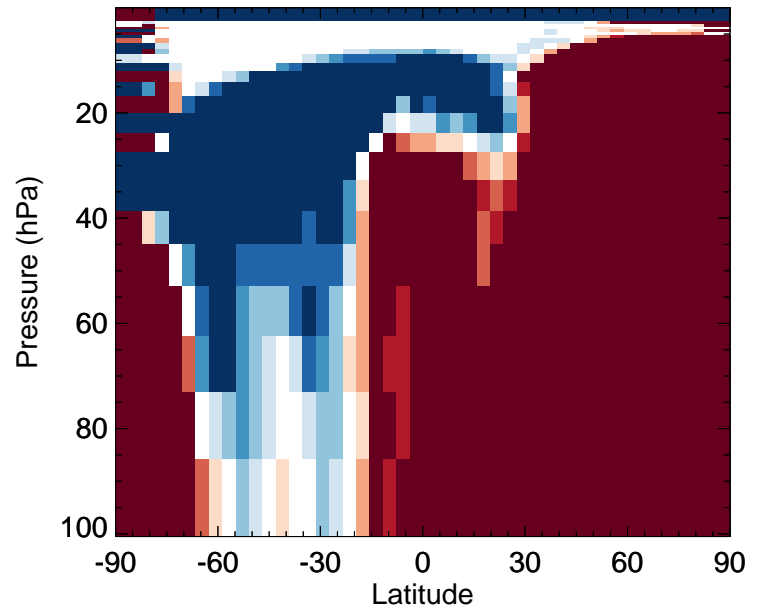
GC\_12.0.0 - v11-02e-Run1

ISN1 - Strat zonal mean abs diff for Jan



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

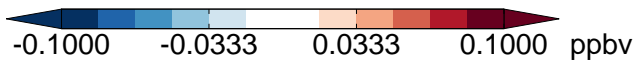
ISN1 - Strat zonal mean % diff for Jan



# GEOS-Chem Stratospheric Zonal Difference Maps

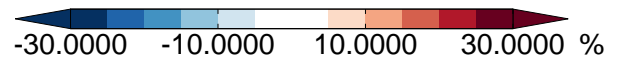
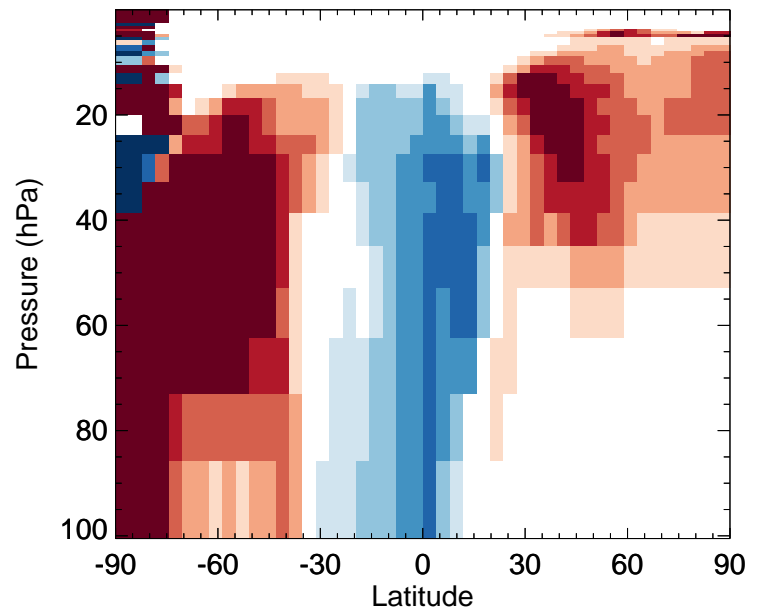
GC\_12.0.0 - v11-02f-Run1

RIPA - Strat zonal mean abs diff for Jan



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

RIPA - Strat zonal mean % diff for Jan



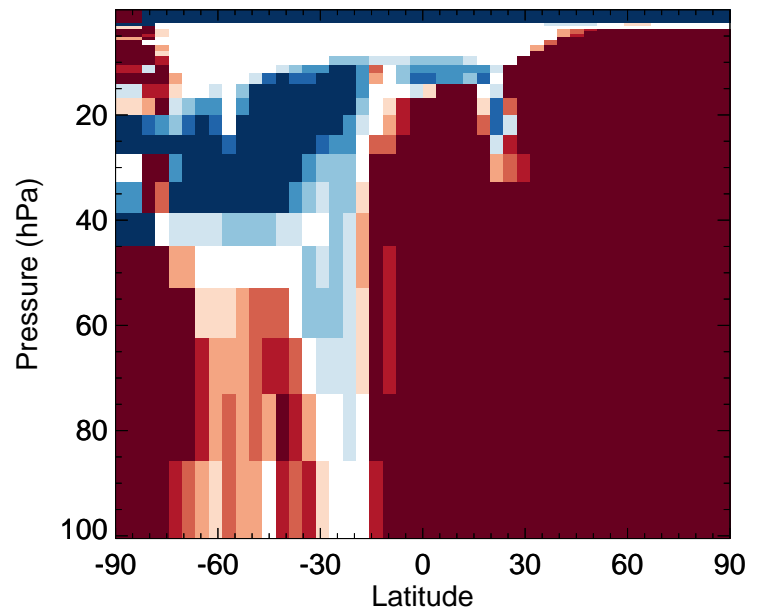
GC\_12.0.0 - v11-02e-Run1

RIPA - Strat zonal mean abs diff for Jan



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

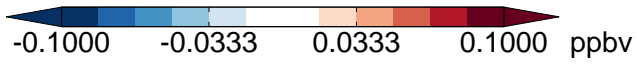
RIPA - Strat zonal mean % diff for Jan



# GEOS-Chem Stratospheric Zonal Difference Maps

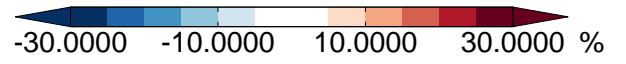
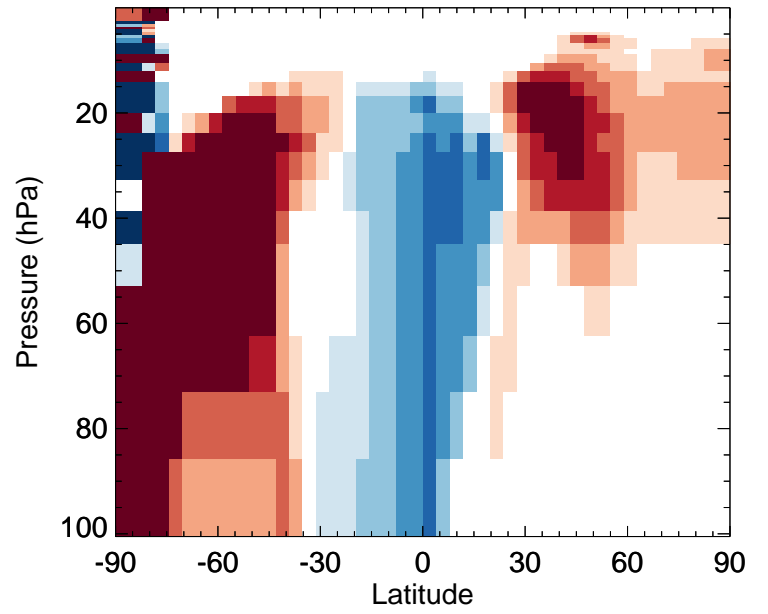
GC\_12.0.0 - v11-02f-Run1

RIPB - Strat zonal mean abs diff for Jan



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

RIPB - Strat zonal mean % diff for Jan



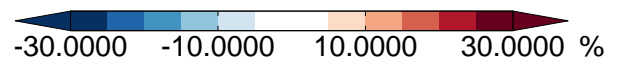
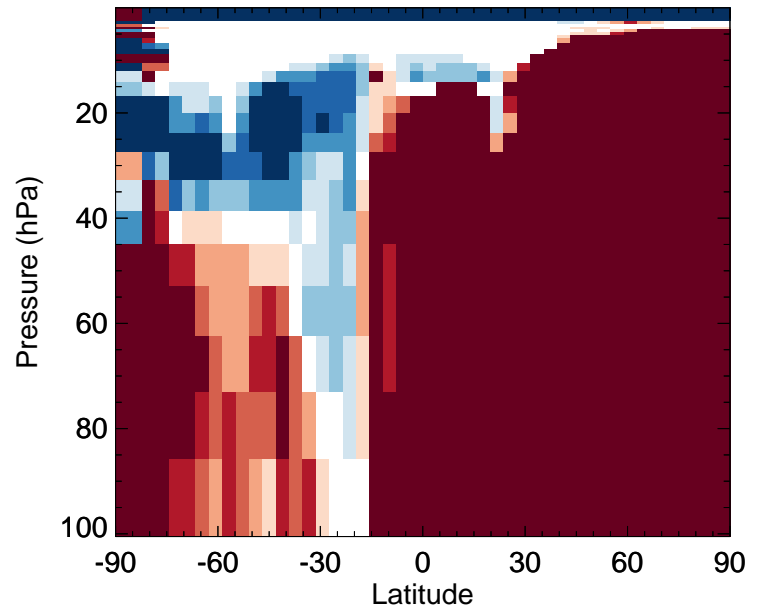
GC\_12.0.0 - v11-02e-Run1

RIPB - Strat zonal mean abs diff for Jan



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

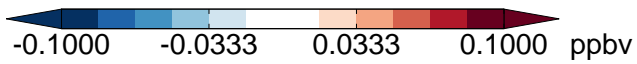
RIPB - Strat zonal mean % diff for Jan



GEOS-Chem Stratospheric Zonal Difference Maps

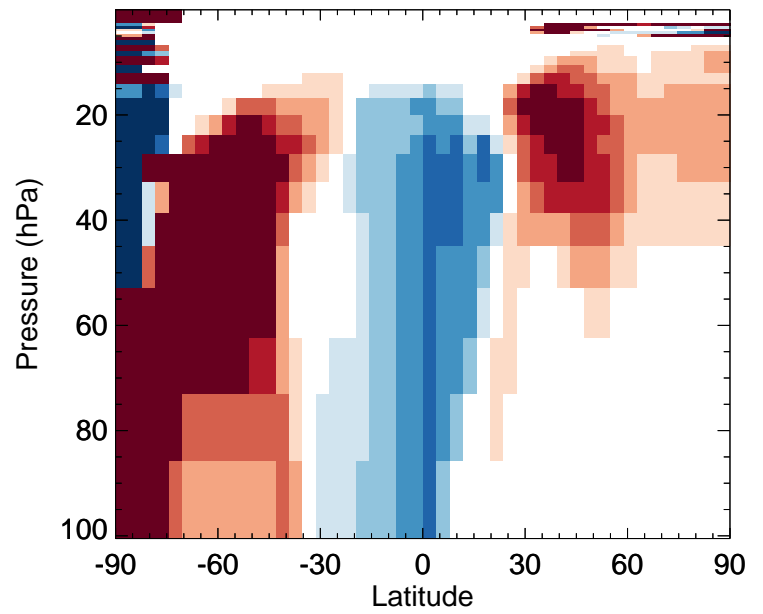
GC\_12.0.0 - v11-02f-Run1

RIPD - Strat zonal mean abs diff for Jan



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

RIPD - Strat zonal mean % diff for Jan



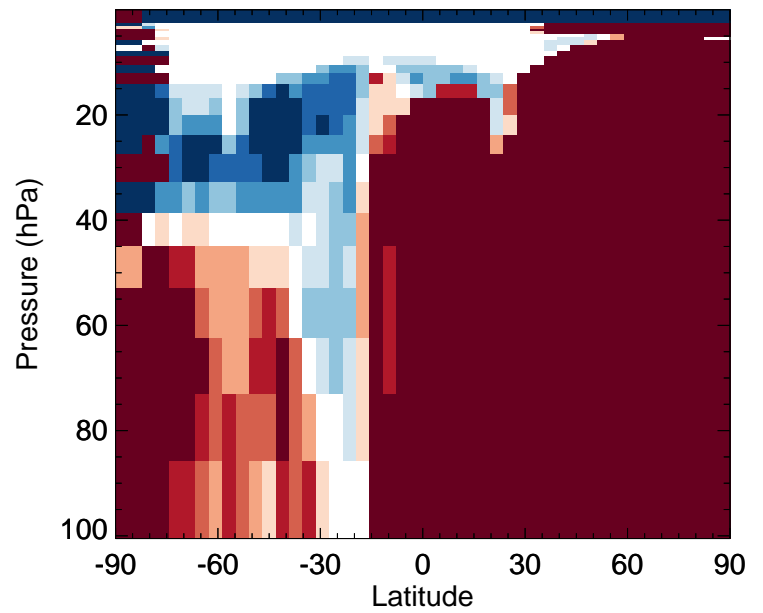
GC\_12.0.0 - v11-02e-Run1

RIPD - Strat zonal mean abs diff for Jan



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

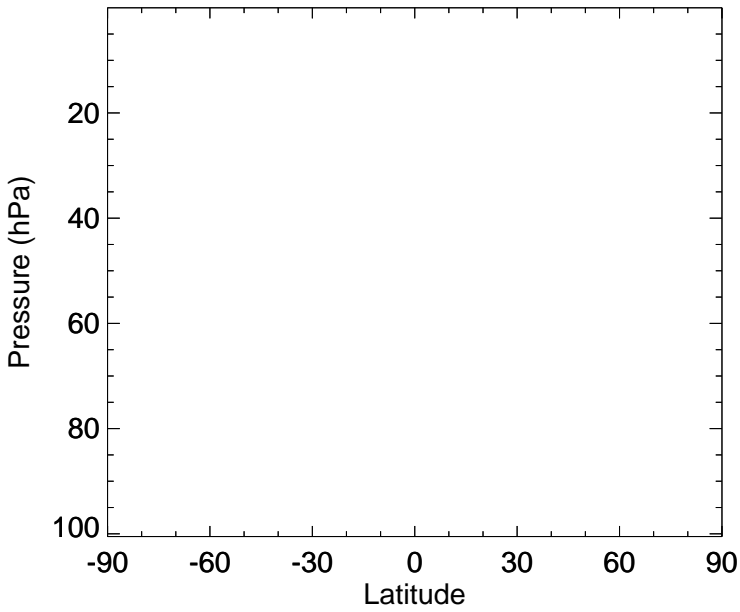
RIPD - Strat zonal mean % diff for Jan



# GEOS-Chem Stratospheric Zonal Difference Maps

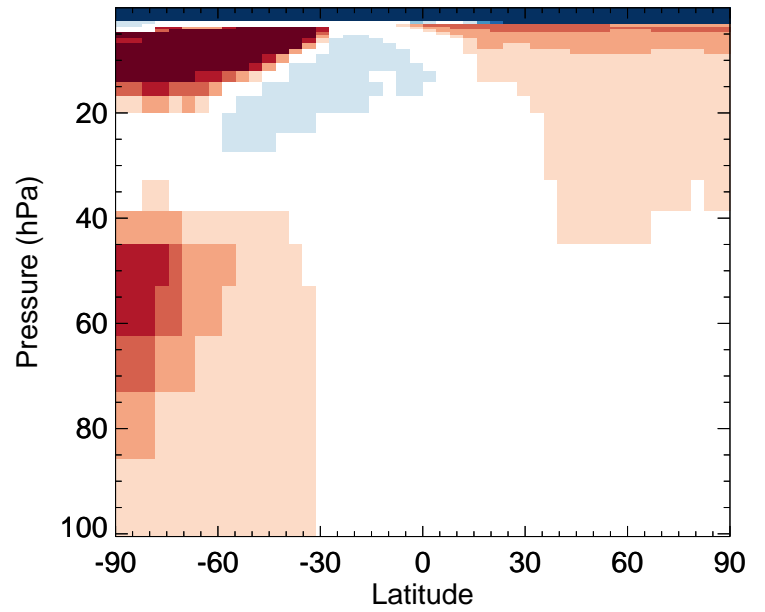
GC\_12.0.0 - v11-02f-Run1

IMAE - Strat zonal mean abs diff for Jan



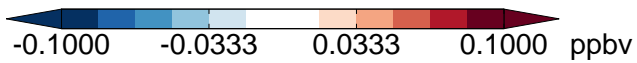
GC\_12.0.0 / v11-02f-Run1

IMAE - Strat zonal mean % diff for Jan



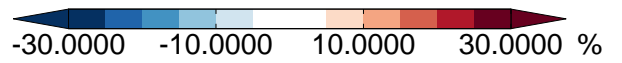
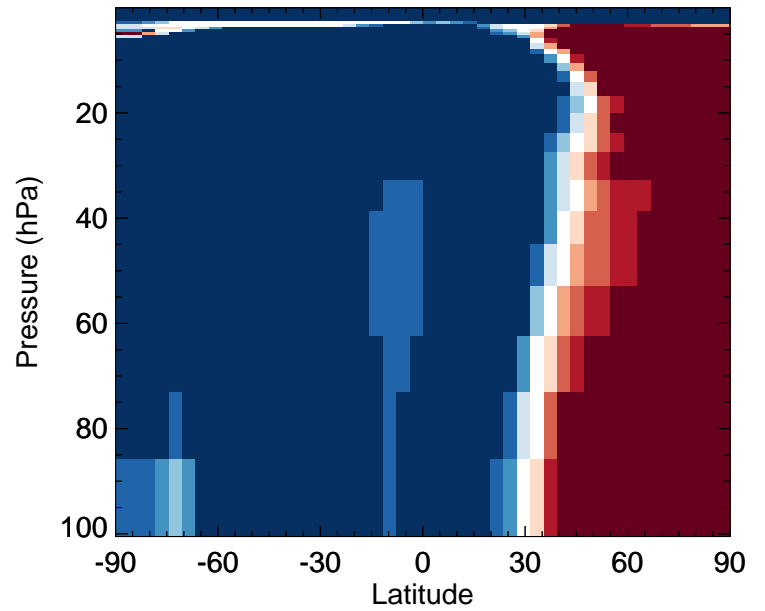
GC\_12.0.0 - v11-02e-Run1

IMAE - Strat zonal mean abs diff for Jan



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

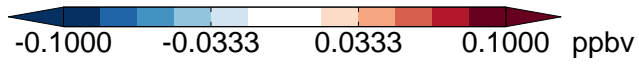
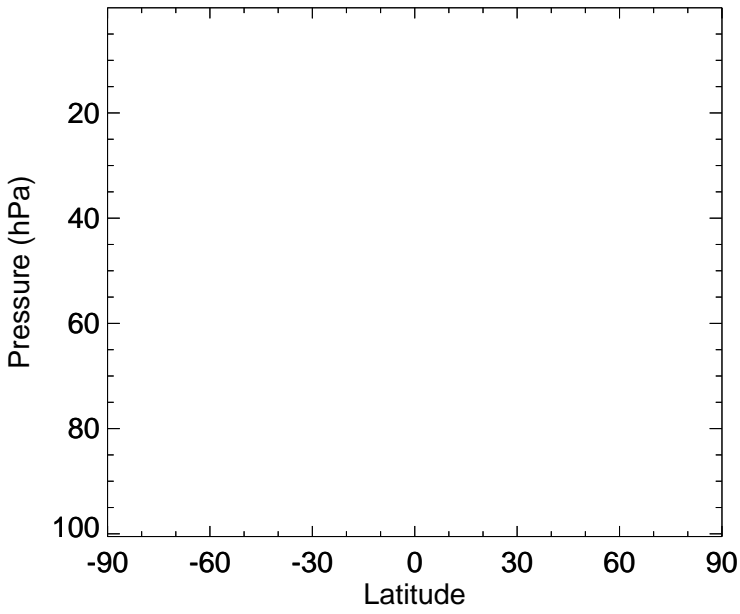
IMAE - Strat zonal mean % diff for Jan



# GEOS-Chem Stratospheric Zonal Difference Maps

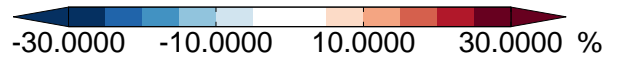
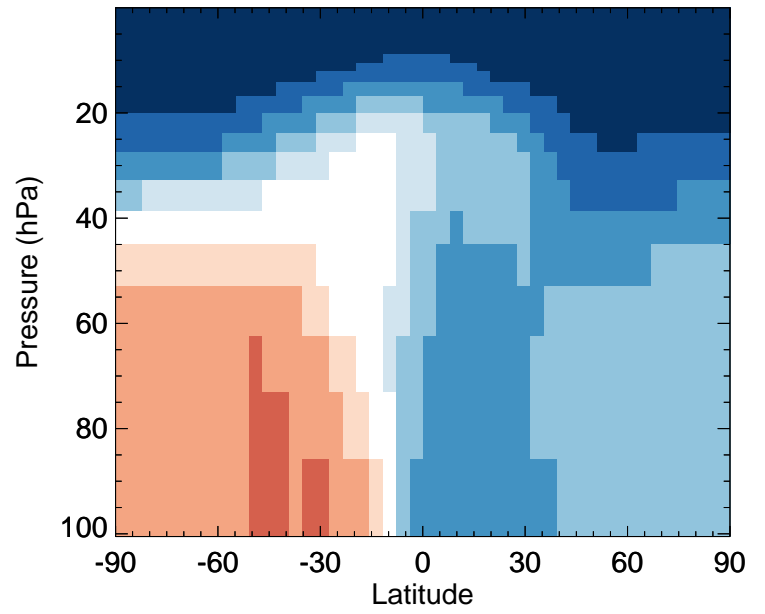
GC\_12.0.0 - v11-02f-Run1

SOAIE - Strat zonal mean abs diff for Jan



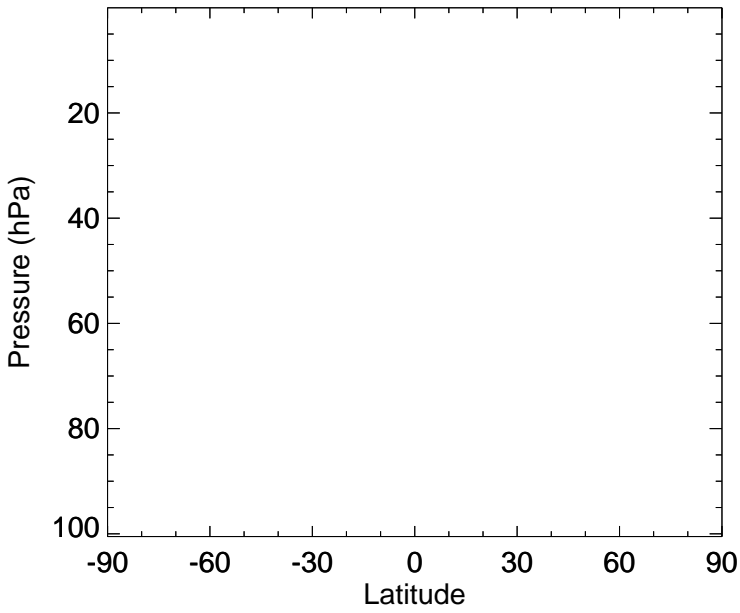
GC\_12.0.0 / v11-02f-Run1

SOAIE - Strat zonal mean % diff for Jan



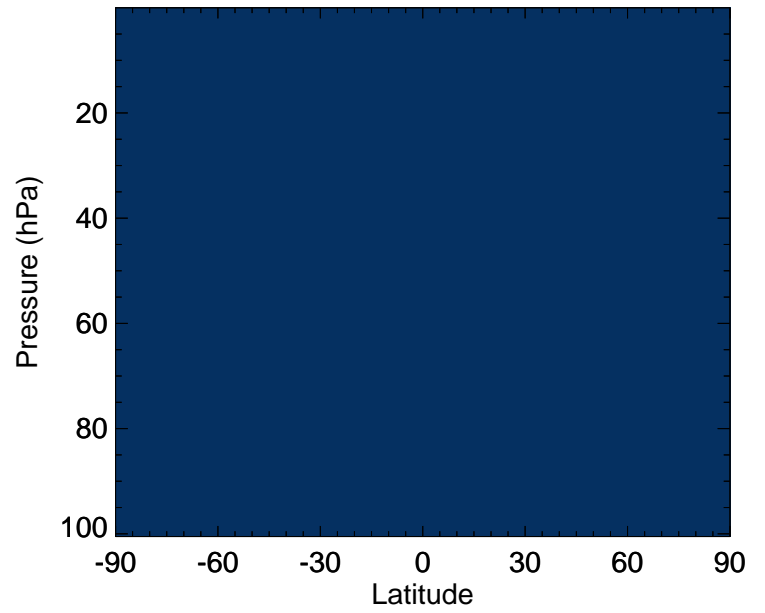
GC\_12.0.0 - v11-02e-Run1

SOAIE - Strat zonal mean abs diff for Jan



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

SOAIE - Strat zonal mean % diff for Jan





GEOS-Chem Stratospheric Zonal Difference Maps

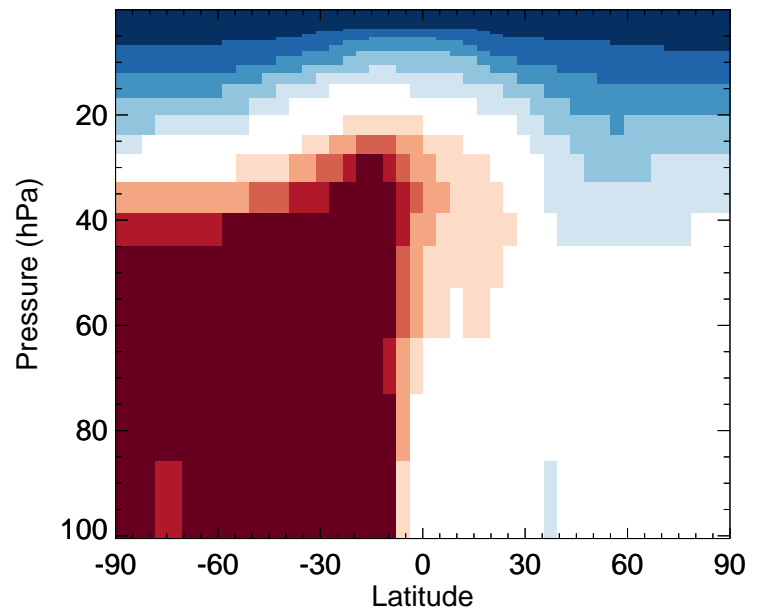
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SOAME - Strat zonal mean abs diff for Jan



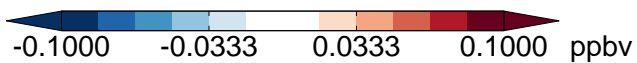
GC\_12.0.0 / v11-02f-Run1

SOAME - Strat zonal mean % diff for Jan



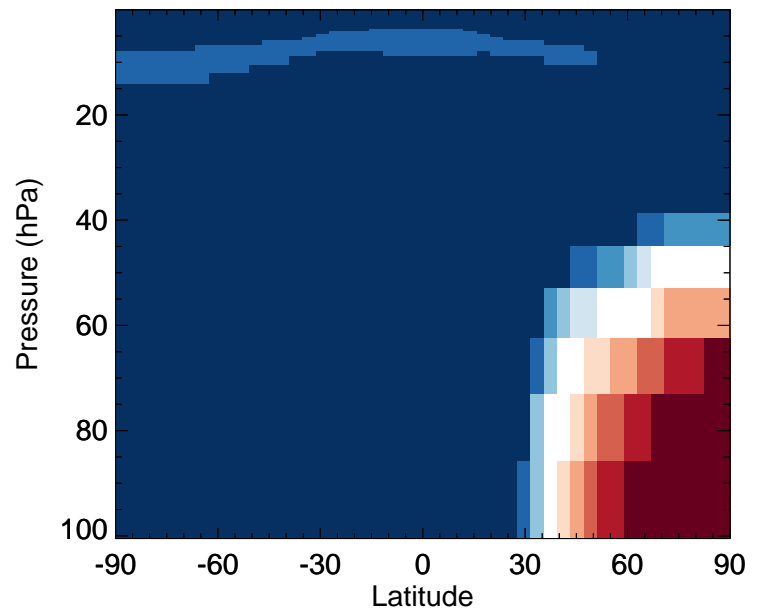
GC\_12.0.0 - v11-02e-Run1

SOAME - Strat zonal mean abs diff for Jan



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

SOAME - Strat zonal mean % diff for Jan



GEOS-Chem Stratospheric Zonal Difference Maps

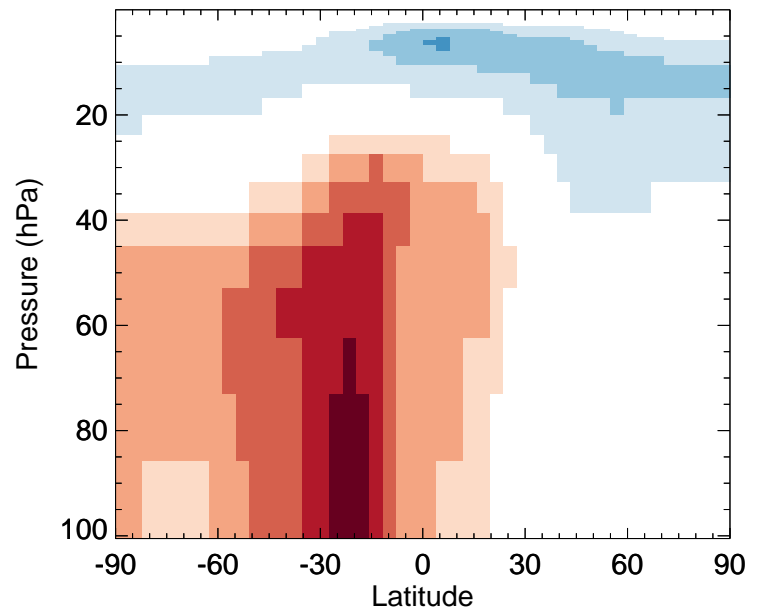
GC\_12.0.0 - v11-02f-Run1

SOAGX - Strat zonal mean abs diff for Jan



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

SOAGX - Strat zonal mean % diff for Jan



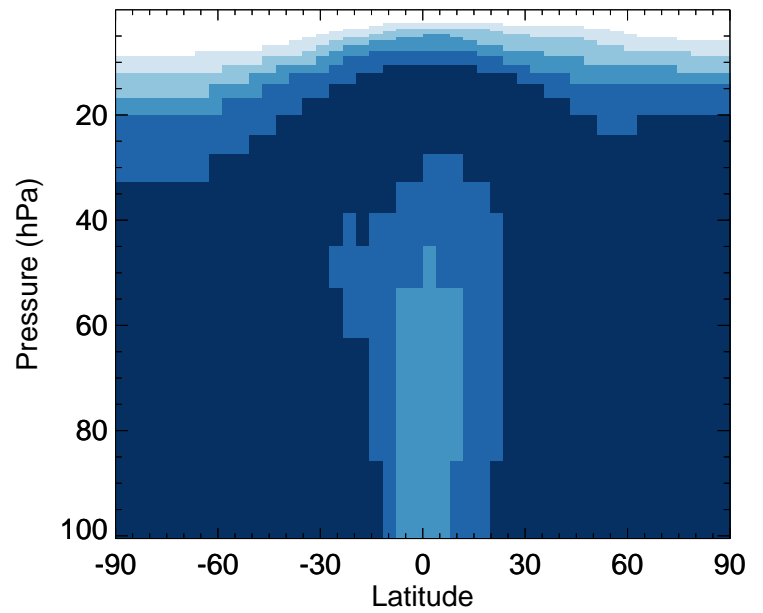
GC\_12.0.0 - v11-02e-Run1

SOAGX - Strat zonal mean abs diff for Jan



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

SOAGX - Strat zonal mean % diff for Jan



# GEOS-Chem Stratospheric Zonal Difference Maps

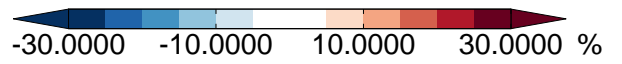
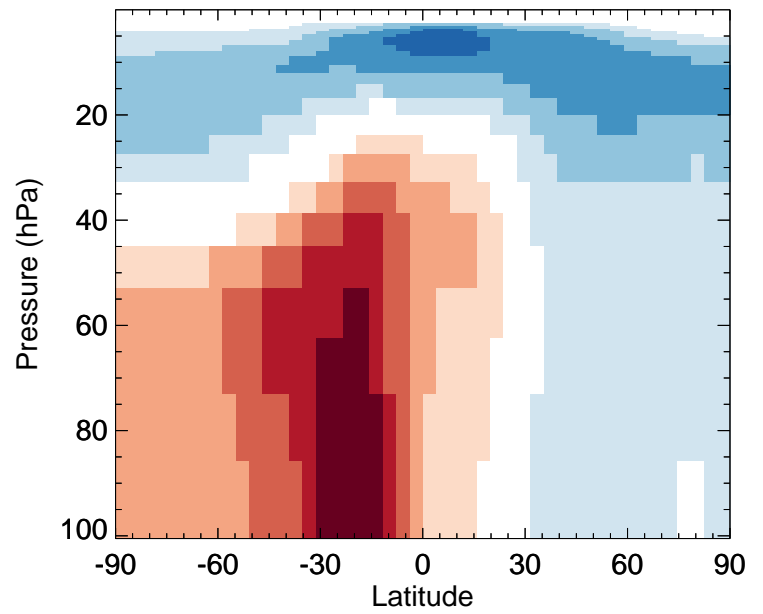
GC\_12.0.0 - v11-02f-Run1

SOAMG - Strat zonal mean abs diff for Jan



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

SOAMG - Strat zonal mean % diff for Jan



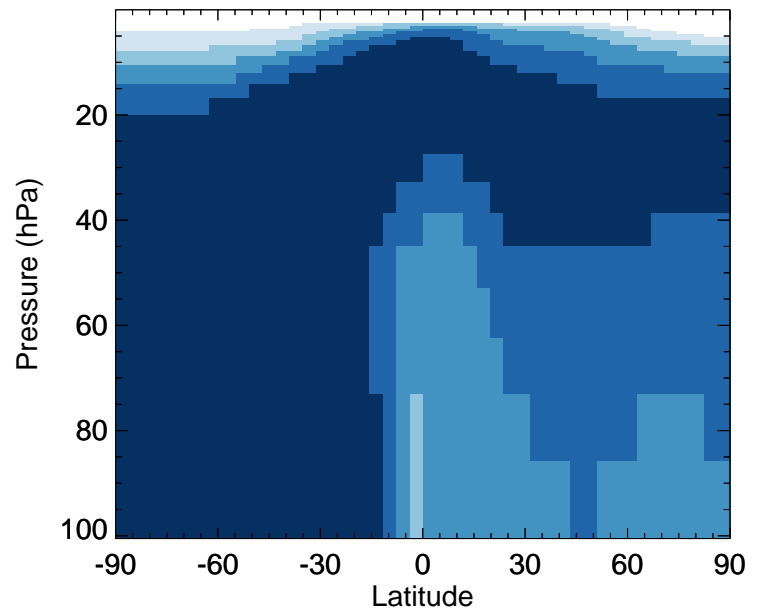
GC\_12.0.0 - v11-02e-Run1

SOAMG - Strat zonal mean abs diff for Jan



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

SOAMG - Strat zonal mean % diff for Jan



GEOS-Chem Stratospheric Zonal Difference Maps

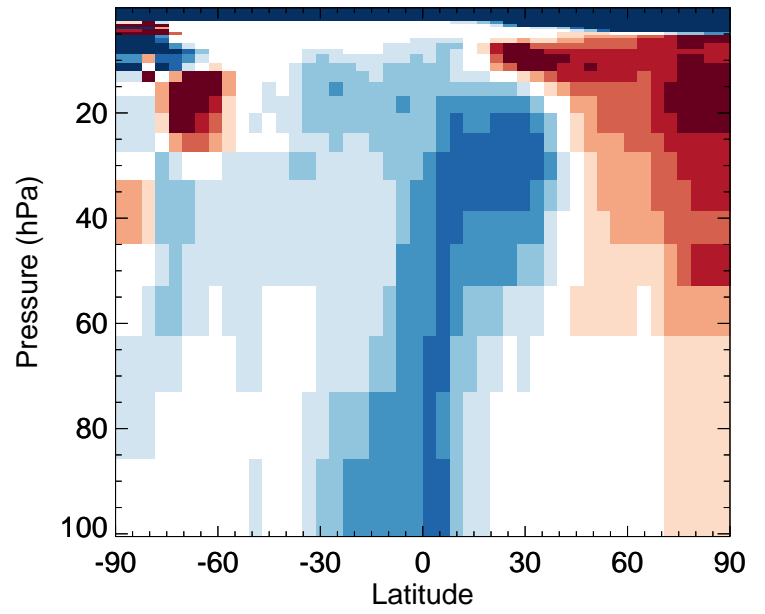
GC\_12.0.0 - v11-02f-Run1

LVOC - Strat zonal mean abs diff for Jan



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

LVOC - Strat zonal mean % diff for Jan



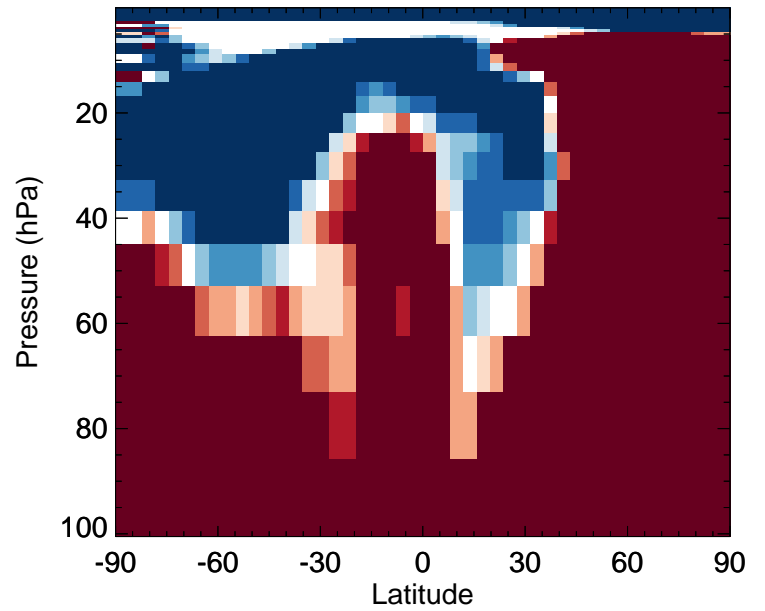
GC\_12.0.0 - v11-02e-Run1

LVOC - Strat zonal mean abs diff for Jan



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

LVOC - Strat zonal mean % diff for Jan



GEOS-Chem Stratospheric Zonal Difference Maps

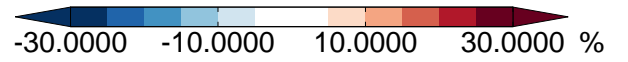
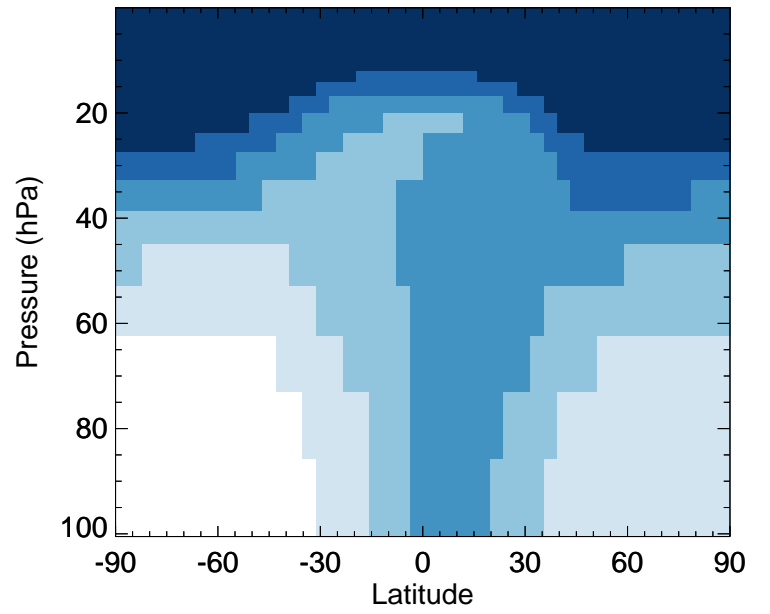
GC\_12.0.0 - v11-02f-Run1

LVOCOA - Strat zonal mean abs diff for Jan



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

LVOCOA - Strat zonal mean % diff for Jan



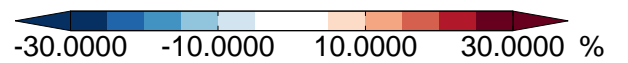
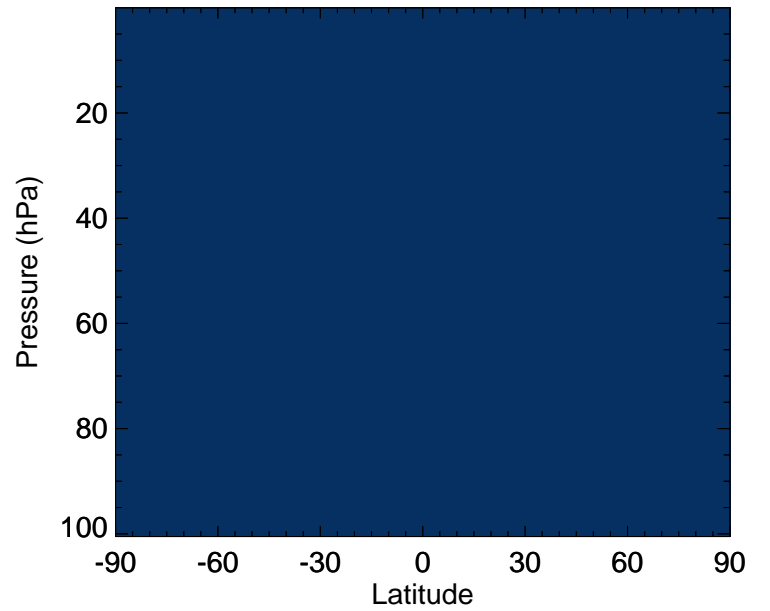
GC\_12.0.0 - v11-02e-Run1

LVOCOA - Strat zonal mean abs diff for Jan



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

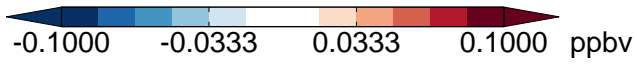
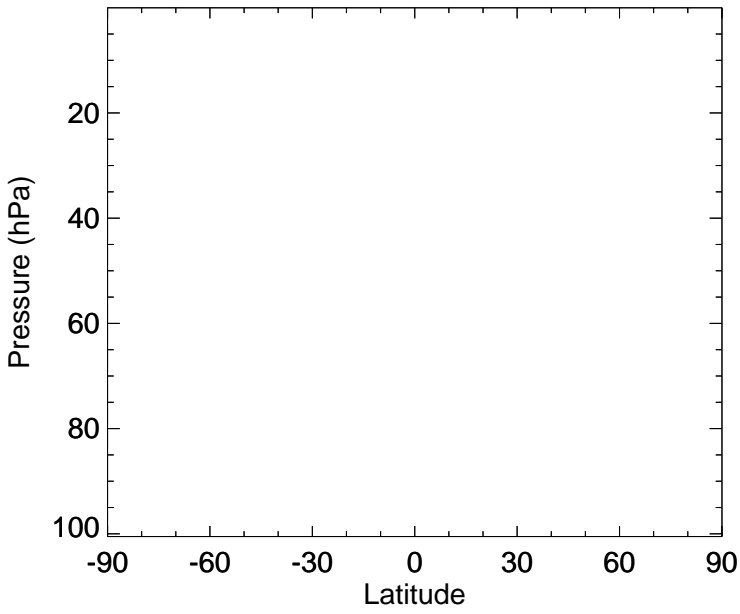
LVOCOA - Strat zonal mean % diff for Jan



GEOS-Chem Stratospheric Zonal Difference Maps

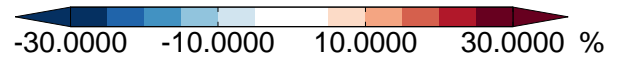
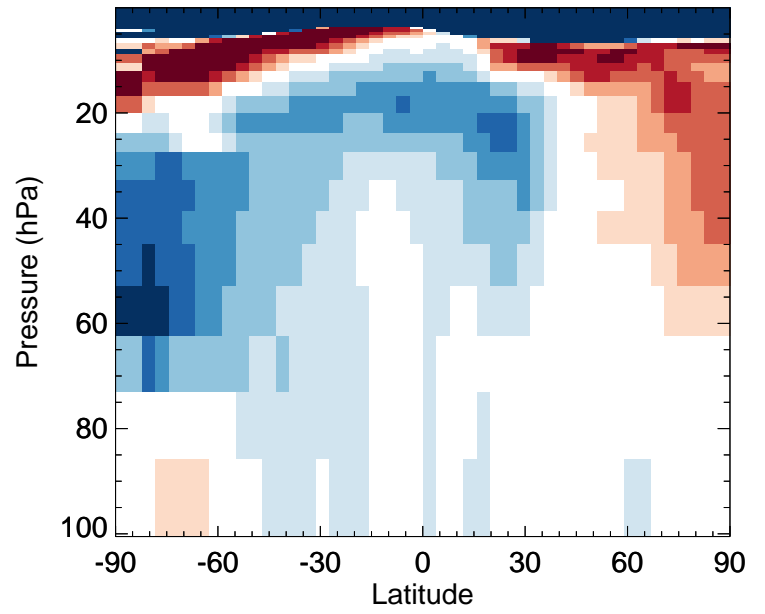
GC\_12.0.0 - v11-02f-Run1

ISN1OG - Strat zonal mean abs diff for Jan



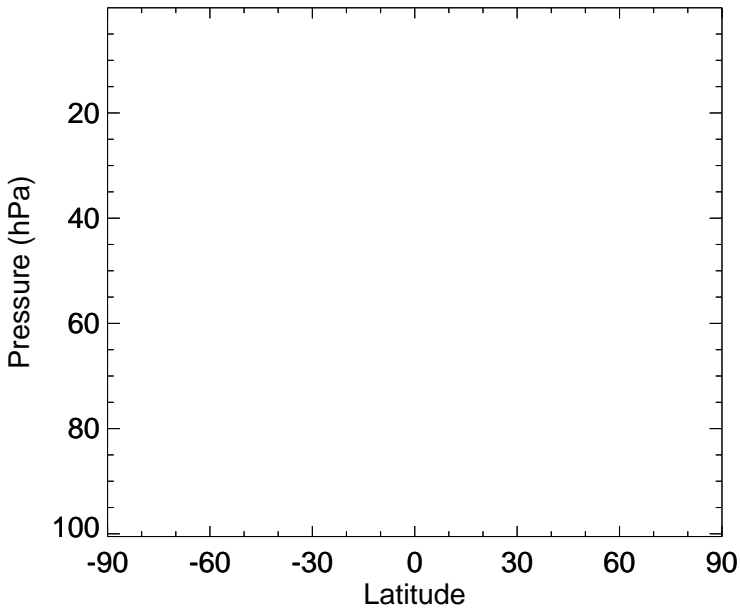
GC\_12.0.0 / v11-02f-Run1

ISN1OG - Strat zonal mean % diff for Jan



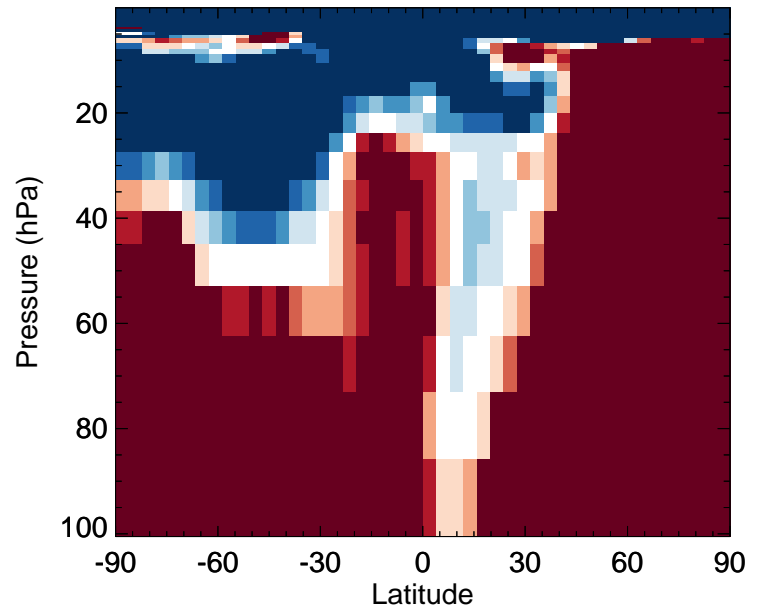
GC\_12.0.0 - v11-02e-Run1

ISN1OG - Strat zonal mean abs diff for Jan



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

ISN1OG - Strat zonal mean % diff for Jan



# GEOS-Chem Stratospheric Zonal Difference Maps

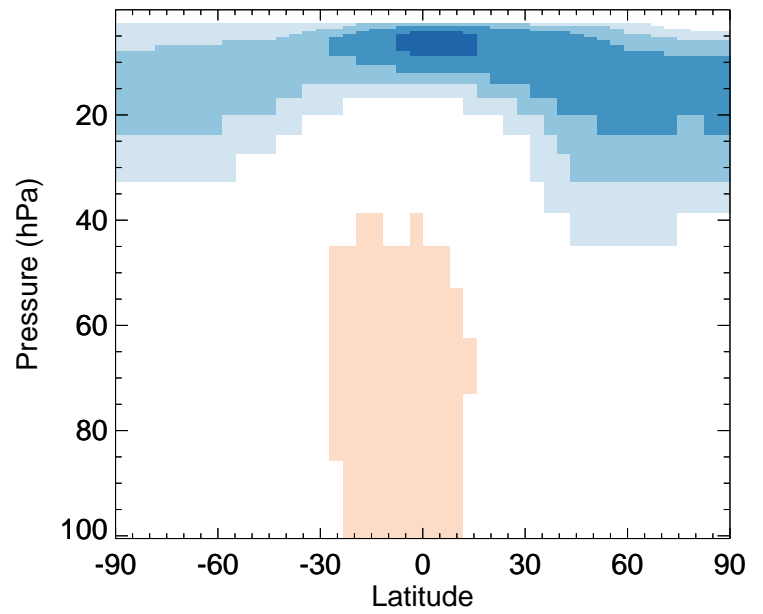
## GC\_12.0.0 - v11-02f-Run1

### ISN10A - Strat zonal mean abs diff for Jan



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

### ISN10A - Strat zonal mean % diff for Jan



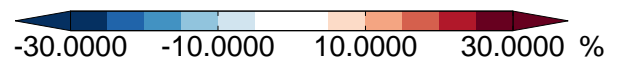
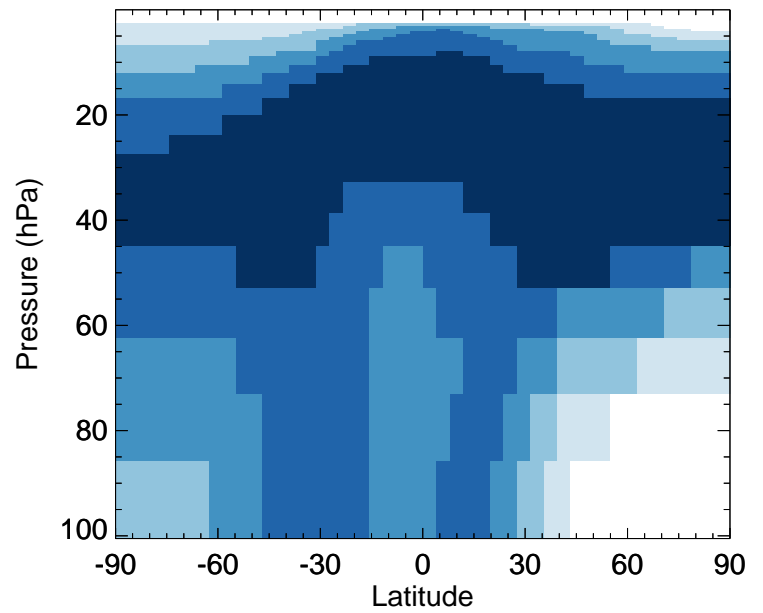
## GC\_12.0.0 - v11-02e-Run1

### ISN10A - Strat zonal mean abs diff for Jan



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

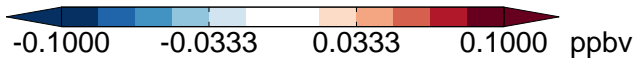
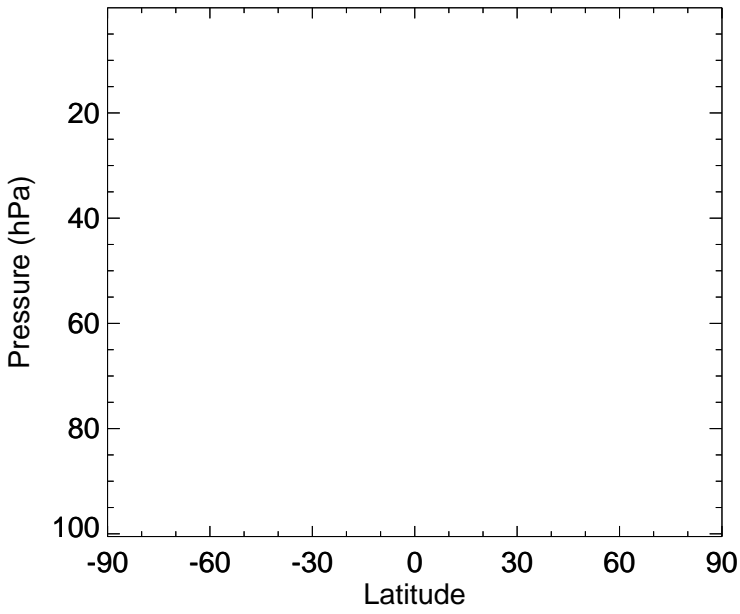
### ISN10A - Strat zonal mean % diff for Jan



GEOS-Chem Stratospheric Zonal Difference Maps

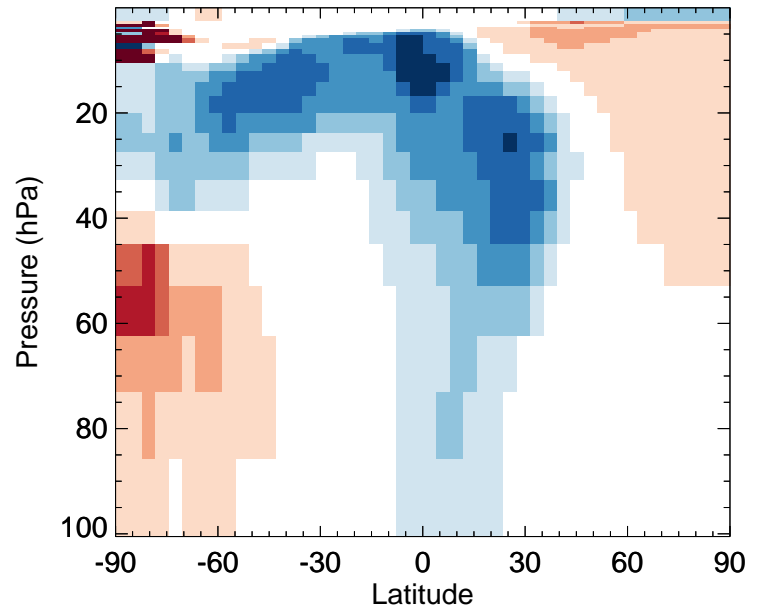
GC\_12.0.0 - v11-02f-Run1

MONITS - Strat zonal mean abs diff for Jan



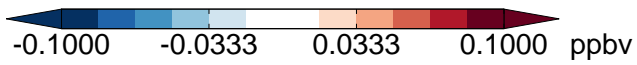
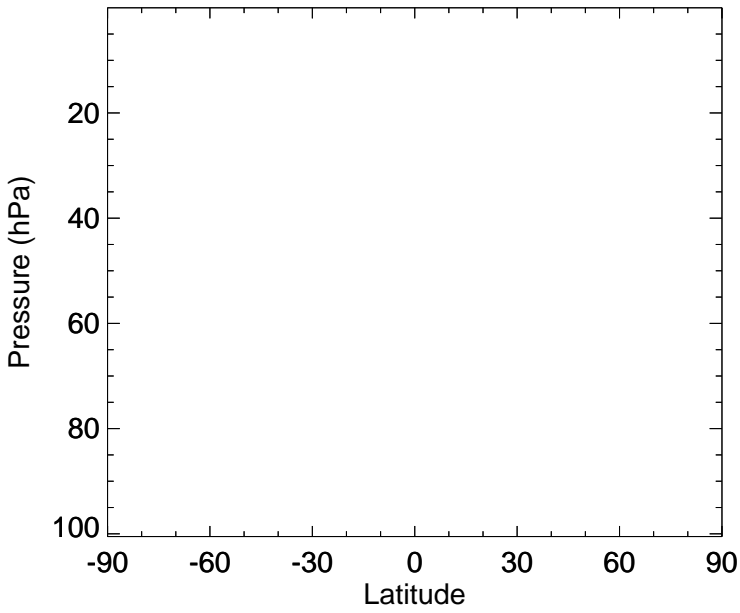
GC\_12.0.0 / v11-02f-Run1

MONITS - Strat zonal mean % diff for Jan



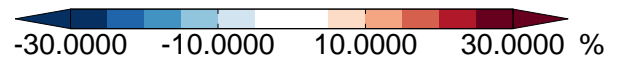
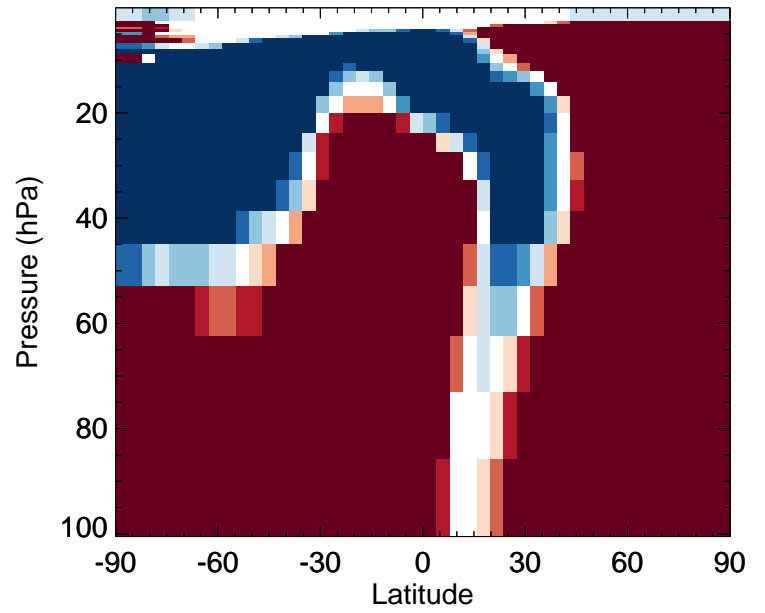
GC\_12.0.0 - v11-02e-Run1

MONITS - Strat zonal mean abs diff for Jan



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

MONITS - Strat zonal mean % diff for Jan





GEOS-Chem Stratospheric Zonal Difference Maps

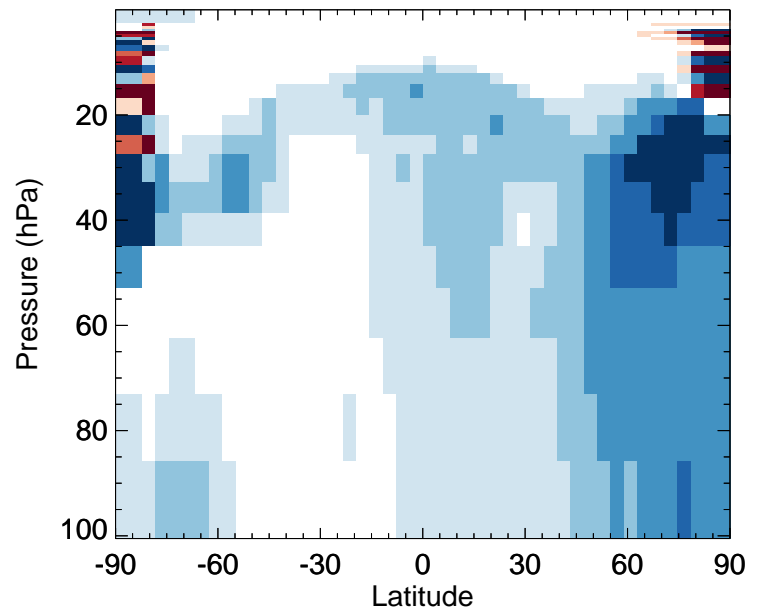
GC\_12.0.0 - v11-02f-Run1

MONITU - Strat zonal mean abs diff for Jan



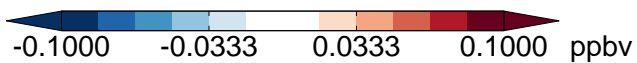
GC\_12.0.0 / v11-02f-Run1

MONITU - Strat zonal mean % diff for Jan



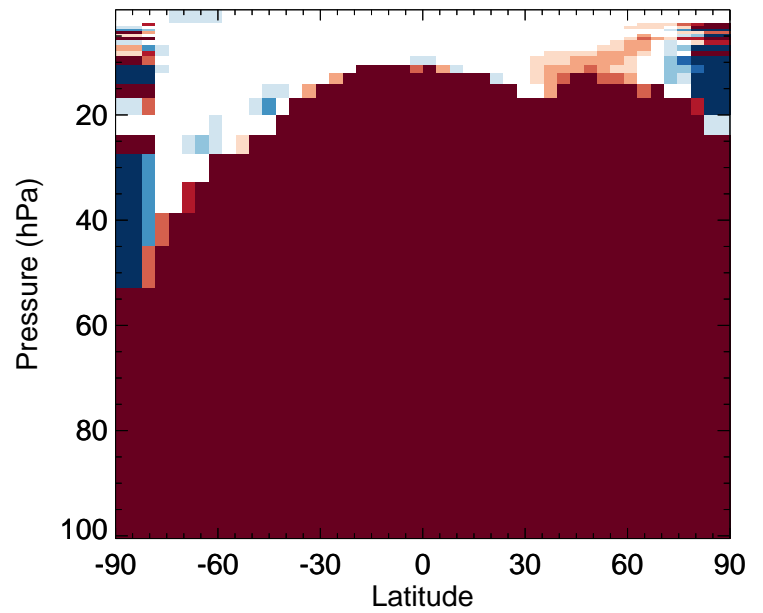
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MONITU - Strat zonal mean abs diff for Jan



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

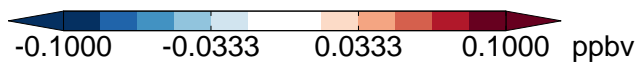
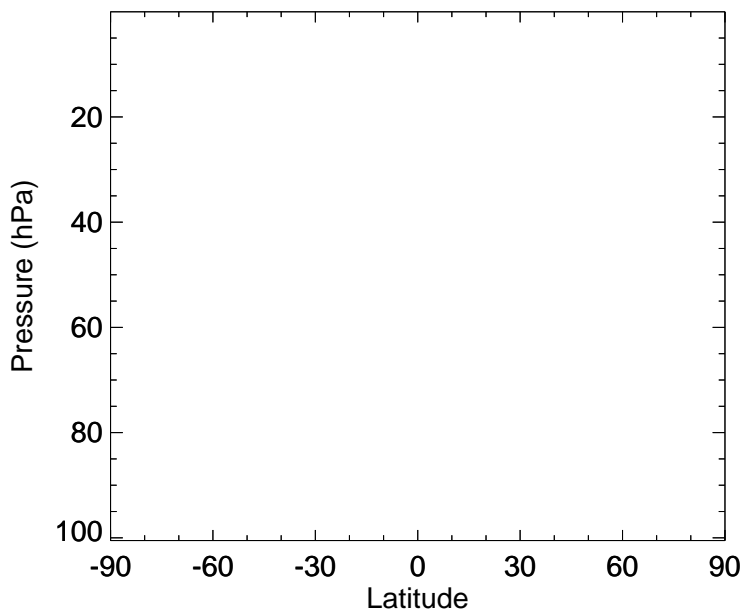
MONITU - Strat zonal mean % diff for Jan



# GEOS-Chem Stratospheric Zonal Difference Maps

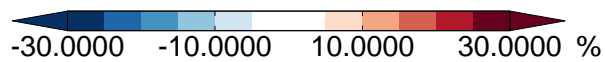
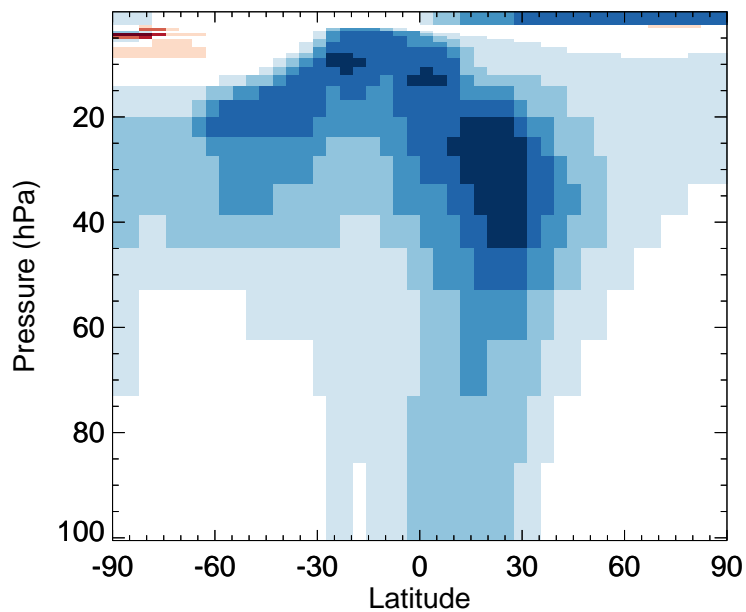
GC\_12.0.0 - v11-02f-Run1

HONIT - Strat zonal mean abs diff for Jan



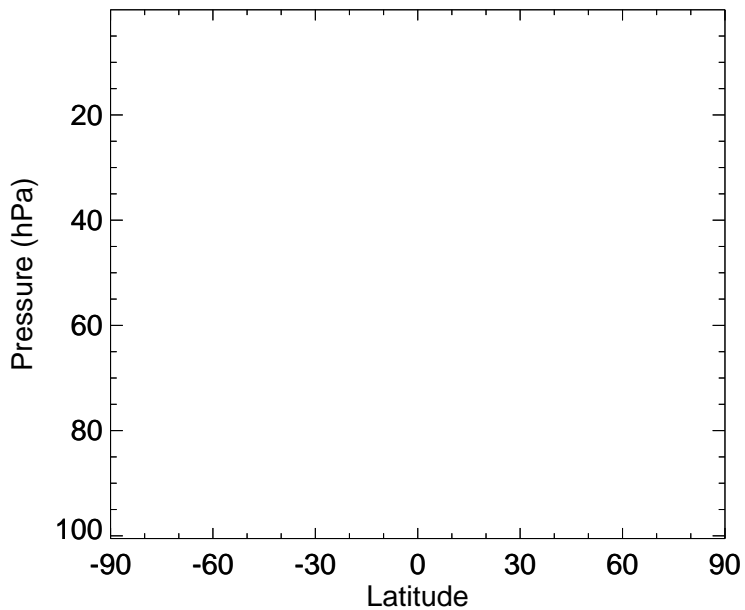
GC\_12.0.0 / v11-02f-Run1

HONIT - Strat zonal mean % diff for Jan



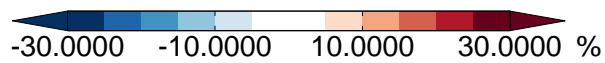
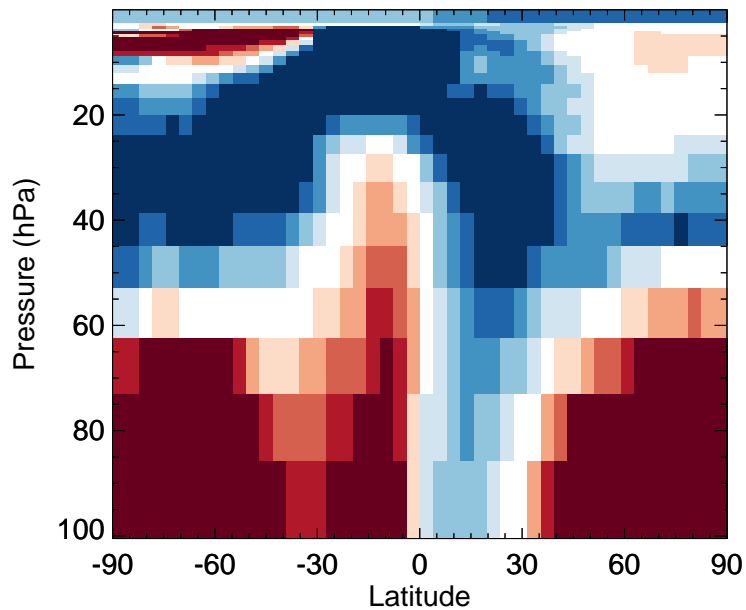
GC\_12.0.0 - v11-02e-Run1

HONIT - Strat zonal mean abs diff for Jan



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

HONIT - Strat zonal mean % diff for Jan



GEOS-Chem Stratospheric Zonal Difference Maps

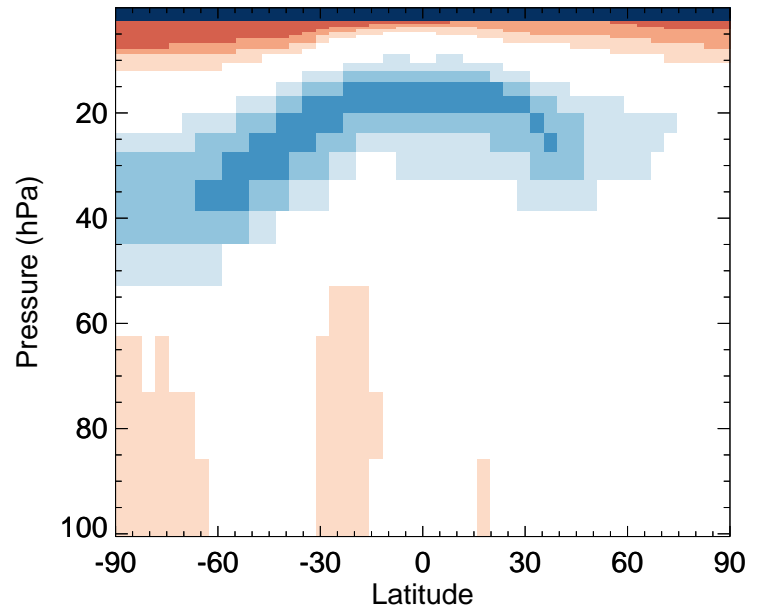
GC\_12.0.0 - v11-02f-Run1

IONITA - Strat zonal mean abs diff for Jan



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

IONITA - Strat zonal mean % diff for Jan



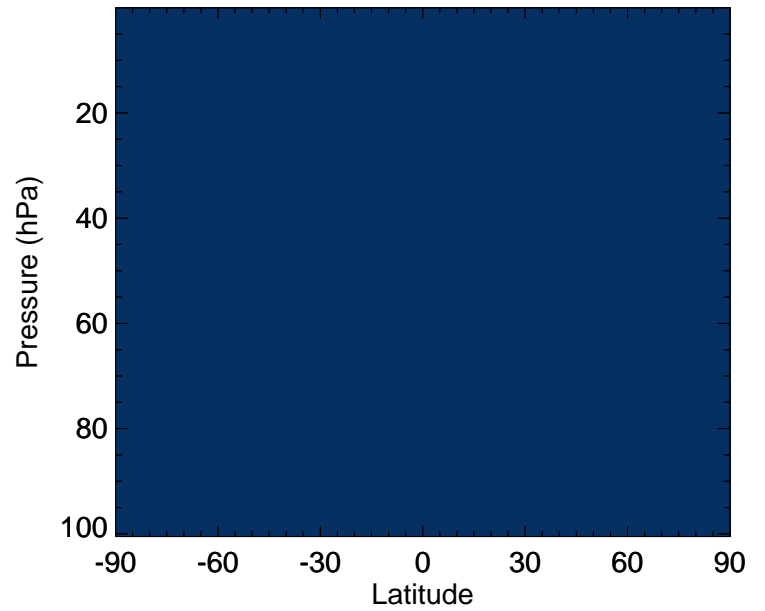
GC\_12.0.0 - v11-02e-Run1

IONITA - Strat zonal mean abs diff for Jan



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

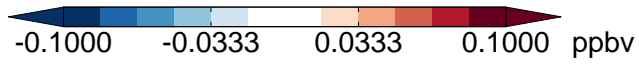
IONITA - Strat zonal mean % diff for Jan



# GEOS-Chem Stratospheric Zonal Difference Maps

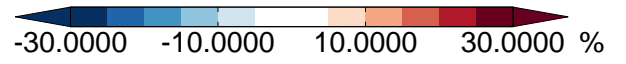
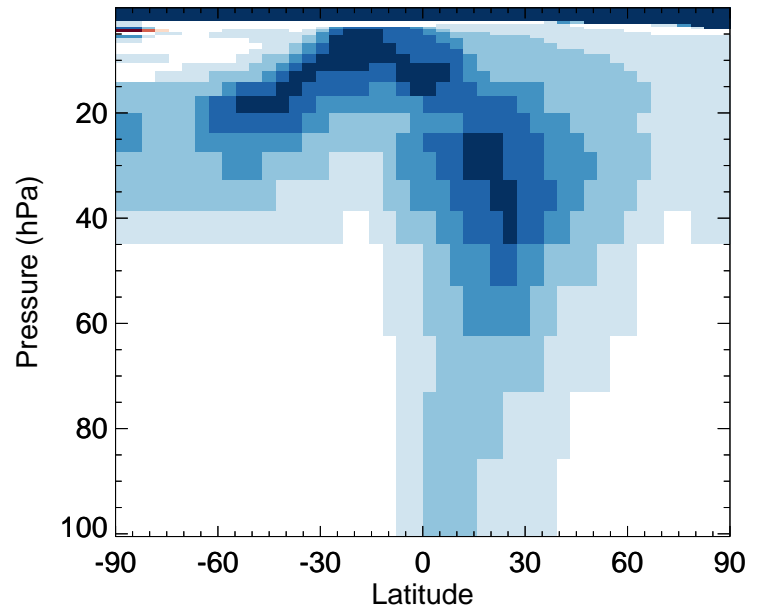
GC\_12.0.0 - v11-02f-Run1

MONITA - Strat zonal mean abs diff for Jan



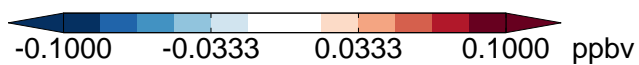
GC\_12.0.0 / v11-02f-Run1

MONITA - Strat zonal mean % diff for Jan



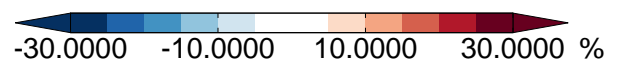
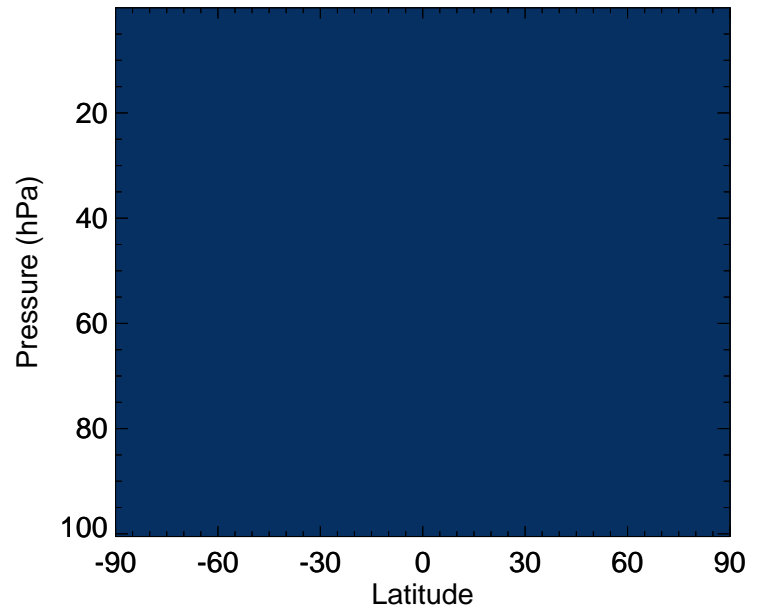
GC\_12.0.0 - v11-02e-Run1

MONITA - Strat zonal mean abs diff for Jan



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

MONITA - Strat zonal mean % diff for Jan



# GEOS-Chem Stratospheric Zonal Difference Maps

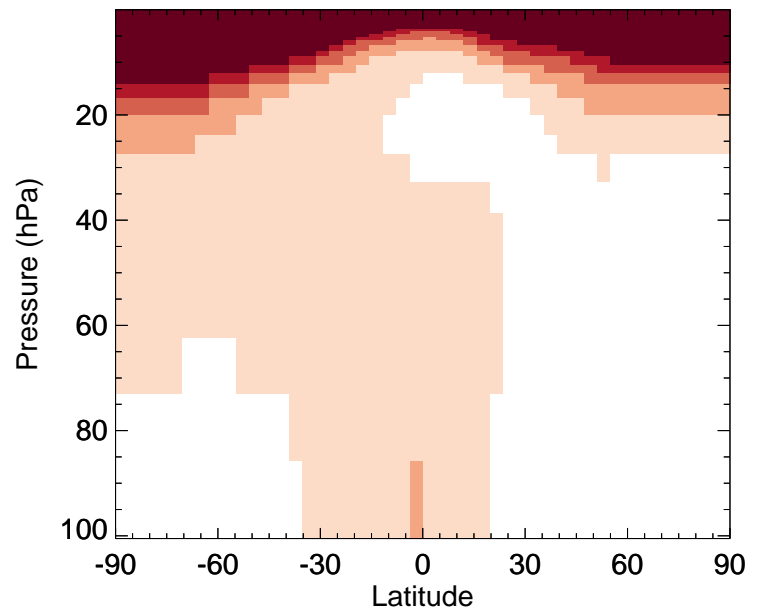
GC\_12.0.0 - v11-02f-Run1

INDIOL - Strat zonal mean abs diff for Jan



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

INDIOL - Strat zonal mean % diff for Jan



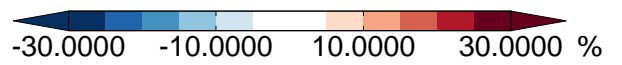
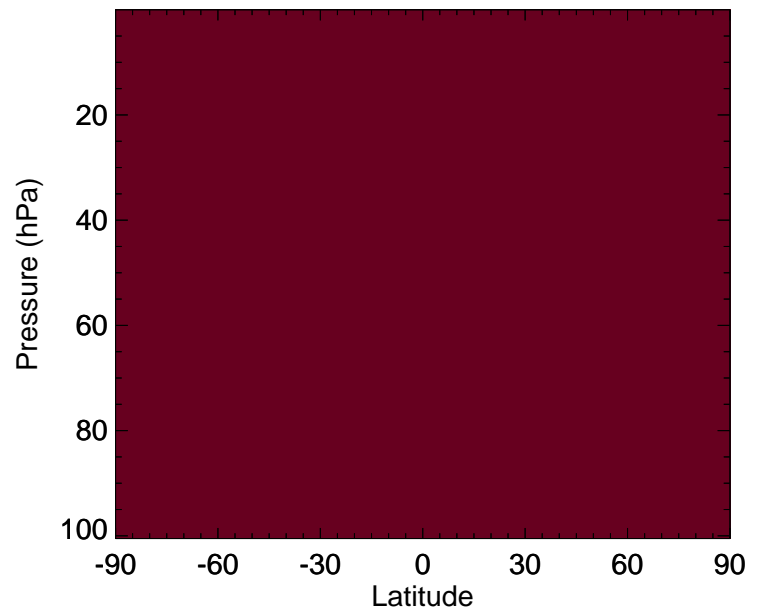
GC\_12.0.0 - v11-02e-Run1

INDIOL - Strat zonal mean abs diff for Jan



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

INDIOL - Strat zonal mean % diff for Jan



# GEOS-Chem Stratospheric Zonal Difference Maps

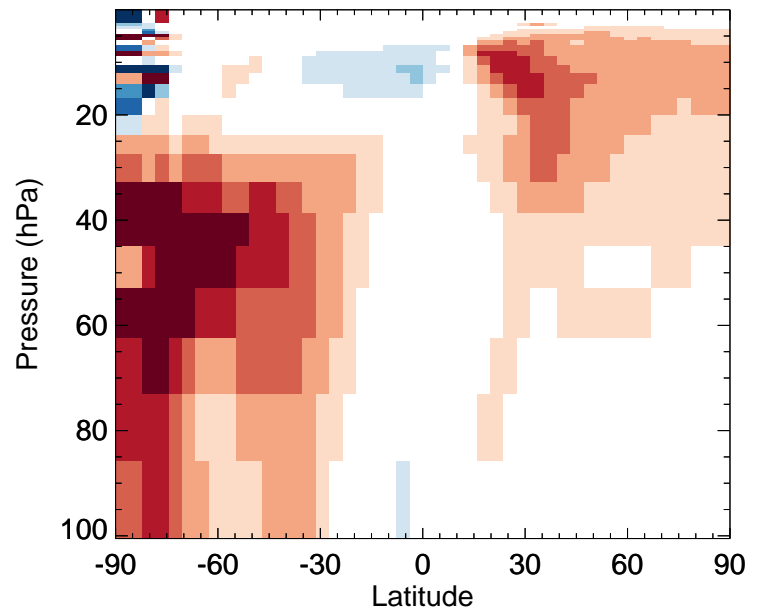
GC\_12.0.0 - v11-02f-Run1

IPMN - Strat zonal mean abs diff for Jan



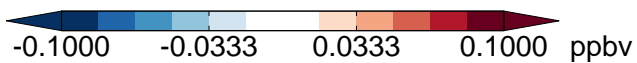
GC\_12.0.0 / v11-02f-Run1

IPMN - Strat zonal mean % diff for Jan



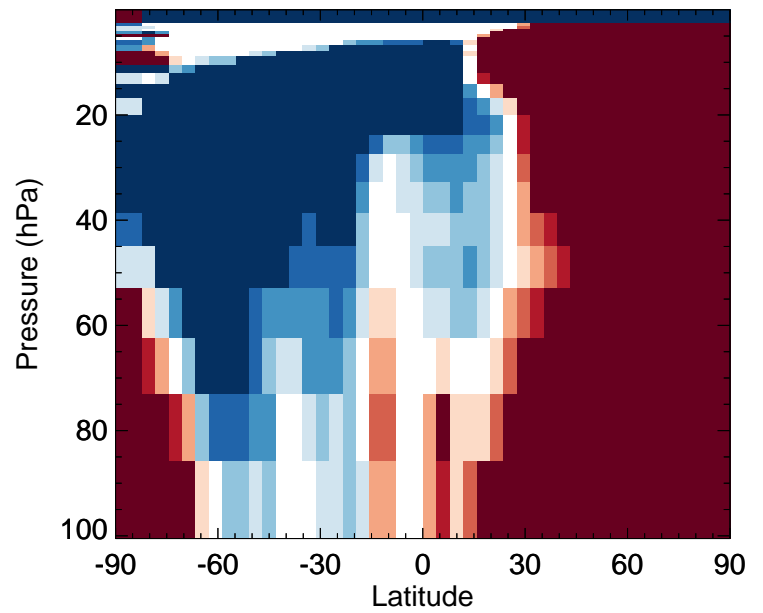
GC\_12.0.0 - v11-02e-Run1

IPMN - Strat zonal mean abs diff for Jan



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

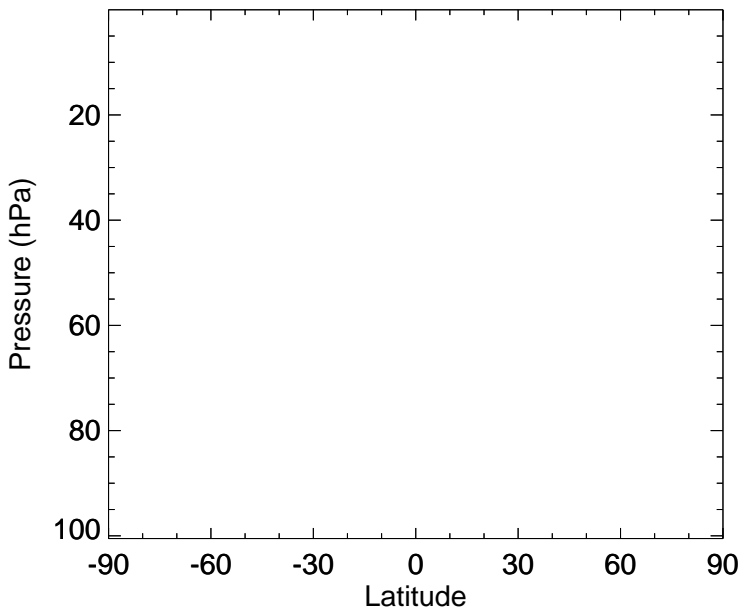
IPMN - Strat zonal mean % diff for Jan



GEOS-Chem Stratospheric Zonal Difference Maps

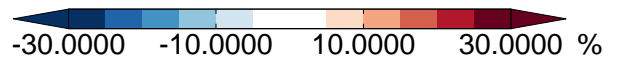
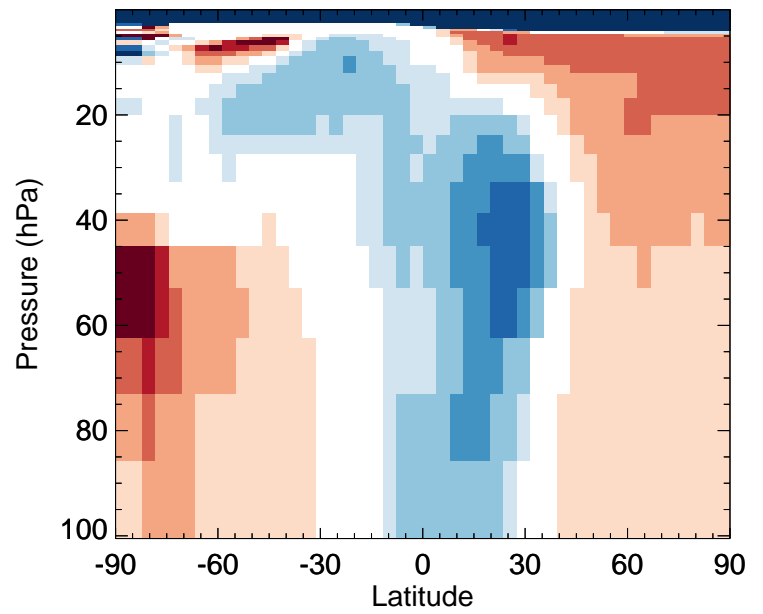
GC\_12.0.0 - v11-02f-Run1

HC187 - Strat zonal mean abs diff for Jan



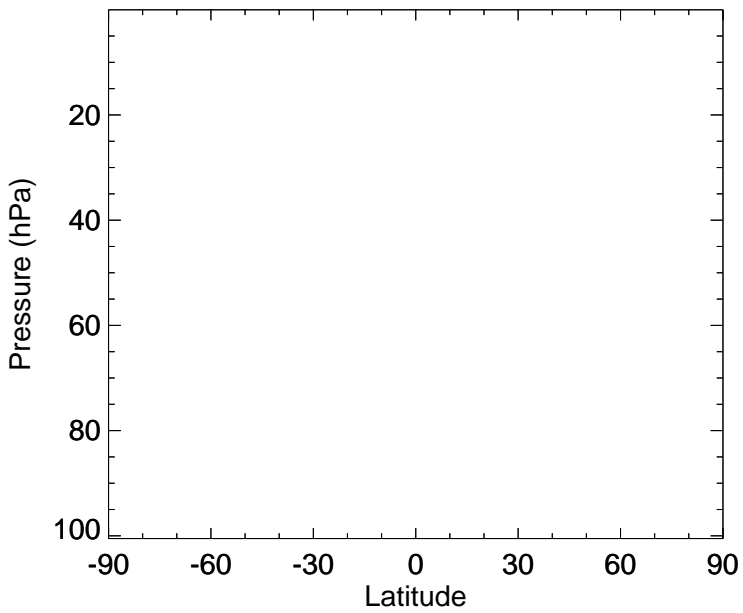
GC\_12.0.0 / v11-02f-Run1

HC187 - Strat zonal mean % diff for Jan



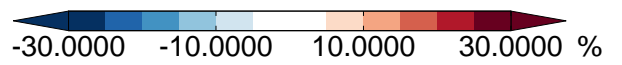
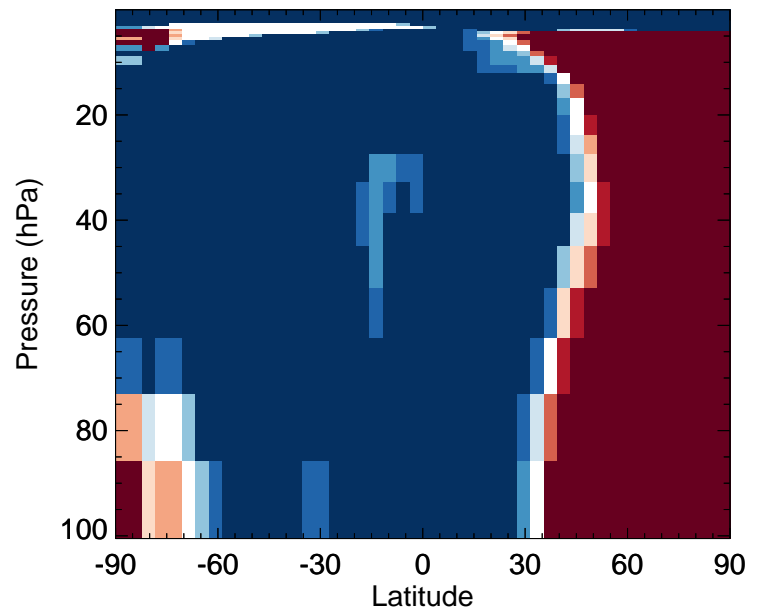
GC\_12.0.0 - v11-02e-Run1

HC187 - Strat zonal mean abs diff for Jan



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

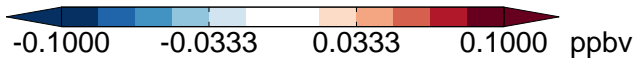
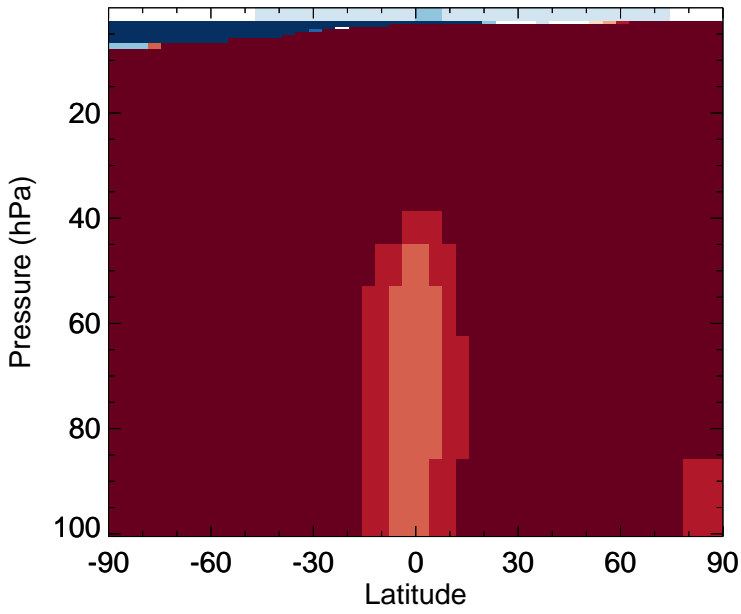
HC187 - Strat zonal mean % diff for Jan



# GEOS-Chem Stratospheric Zonal Difference Maps

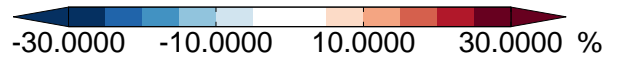
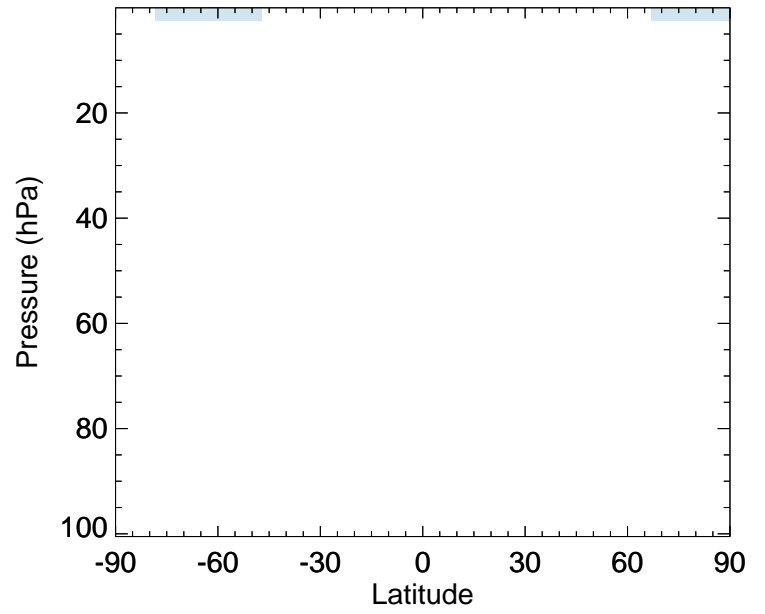
GC\_12.0.0 - v11-02f-Run1

N2O - Strat zonal mean abs diff for Jan



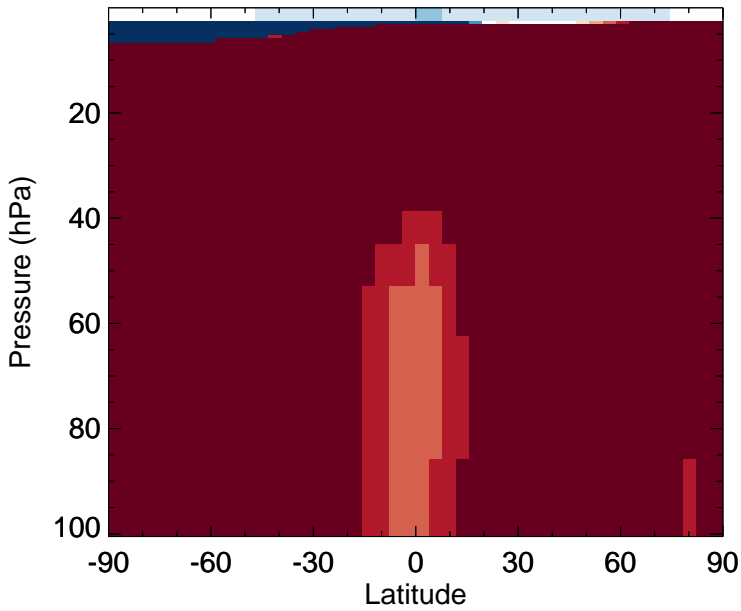
GC\_12.0.0 / v11-02f-Run1

N2O - Strat zonal mean % diff for Jan



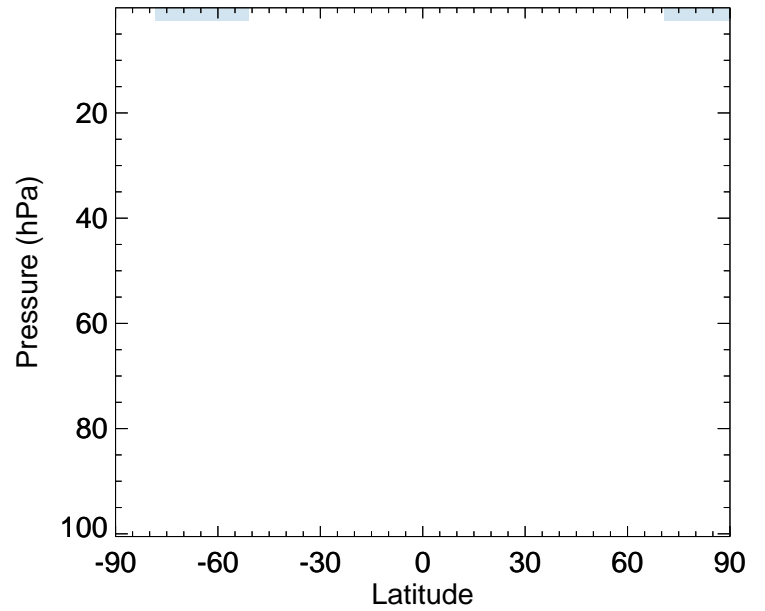
GC\_12.0.0 - v11-02e-Run1

N2O - Strat zonal mean abs diff for Jan



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

N2O - Strat zonal mean % diff for Jan

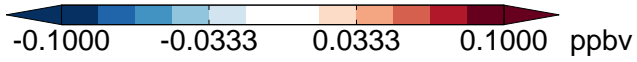




# GEOS-Chem Stratospheric Zonal Difference Maps

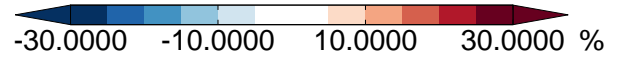
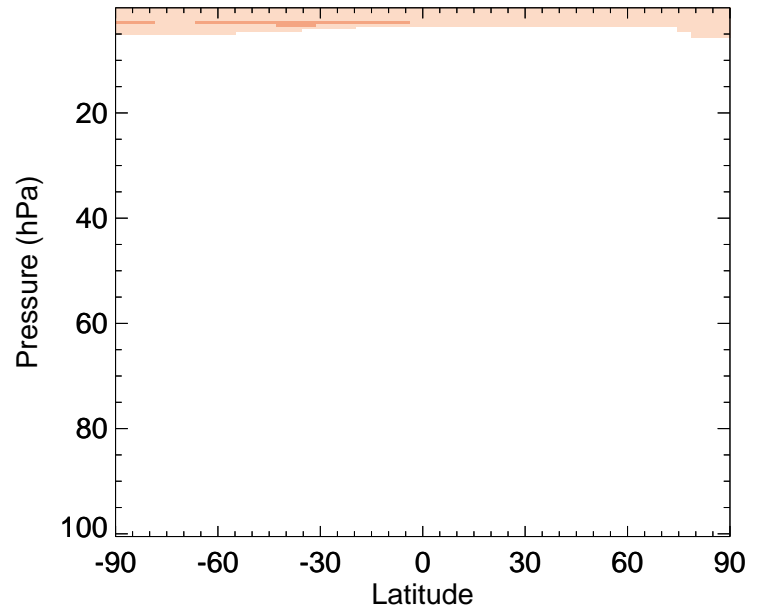
GC\_12.0.0 - v11-02f-Run1

OCS - Strat zonal mean abs diff for Jan



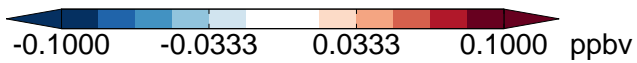
GC\_12.0.0 / v11-02f-Run1

OCS - Strat zonal mean % diff for Jan



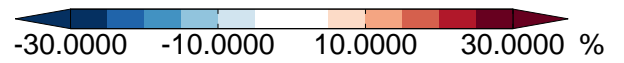
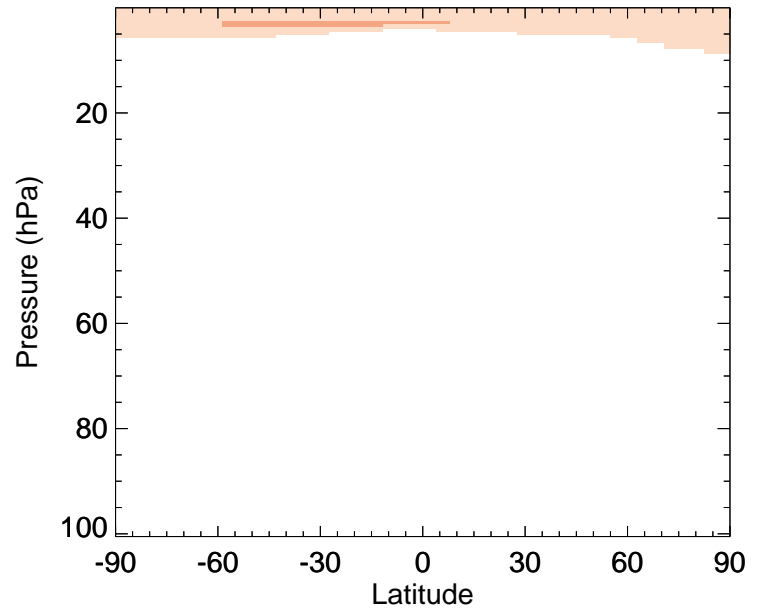
GC\_12.0.0 - v11-02e-Run1

OCS - Strat zonal mean abs diff for Jan



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

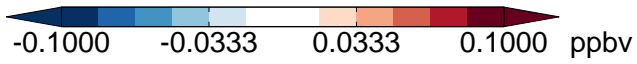
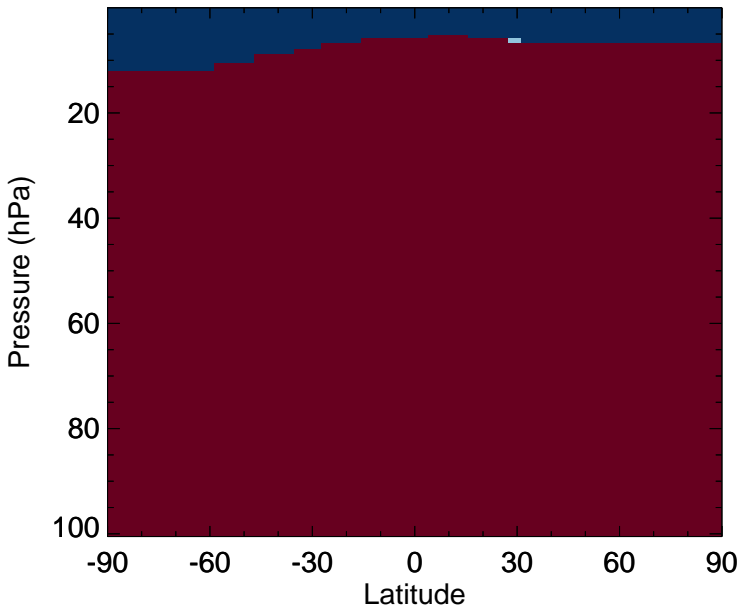
OCS - Strat zonal mean % diff for Jan



GEOS-Chem Stratospheric Zonal Difference Maps

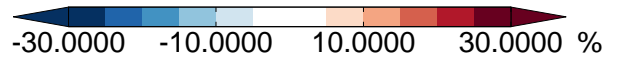
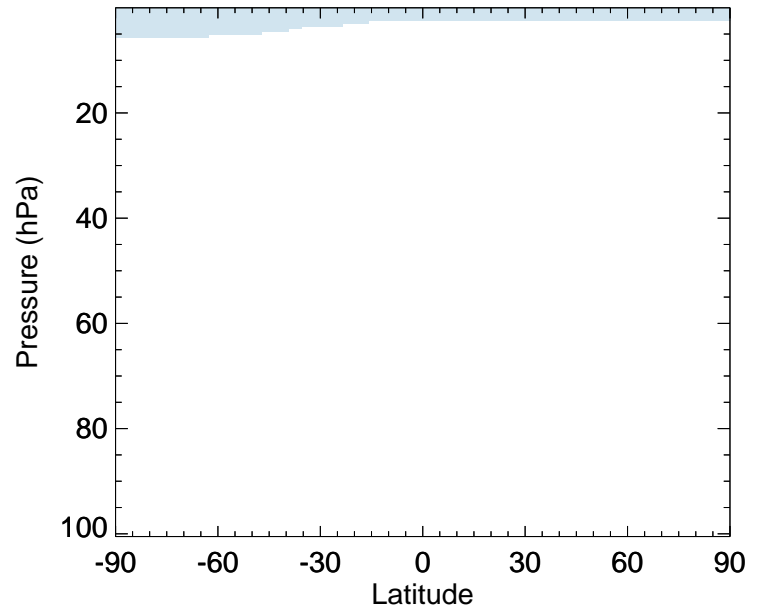
GC\_12.0.0 - v11-02f-Run1

CH4 - Strat zonal mean abs diff for Jan



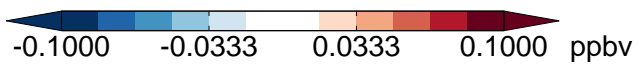
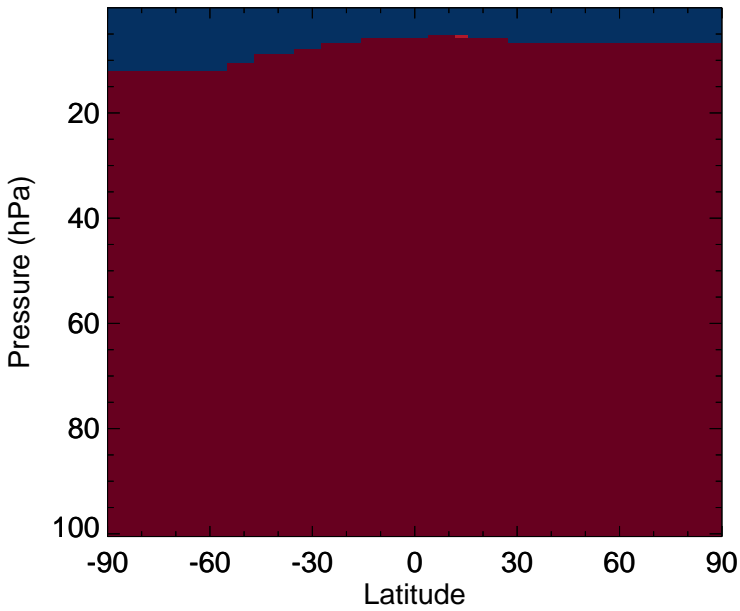
GC\_12.0.0 / v11-02f-Run1

CH4 - Strat zonal mean % diff for Jan



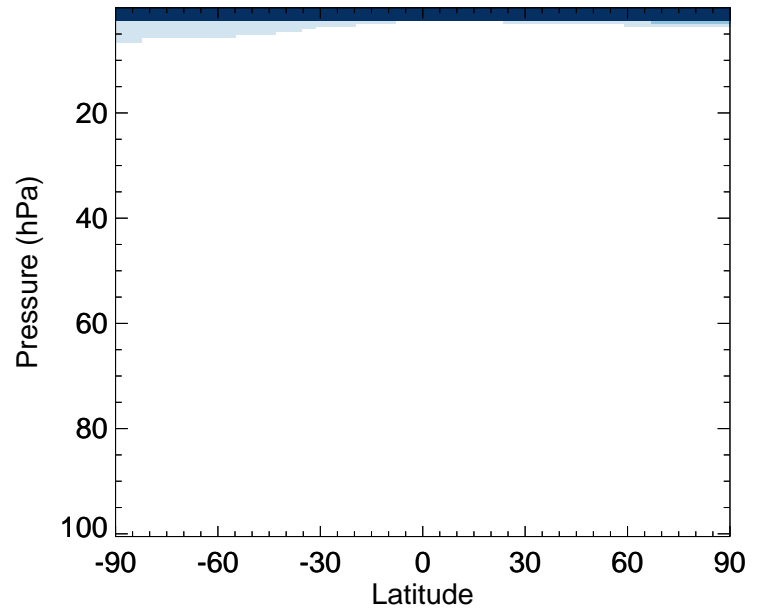
GC\_12.0.0 - v11-02e-Run1

CH4 - Strat zonal mean abs diff for Jan



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

CH4 - Strat zonal mean % diff for Jan



GEOS-Chem Stratospheric Zonal Difference Maps

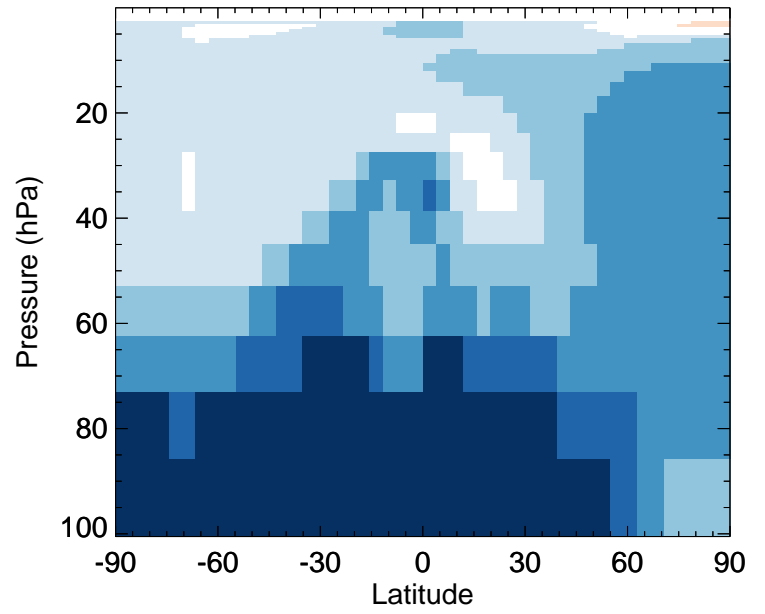
GC\_12.0.0 - v11-02f-Run1

BrCl - Strat zonal mean abs diff for Jan



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

BrCl - Strat zonal mean % diff for Jan



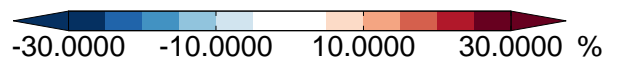
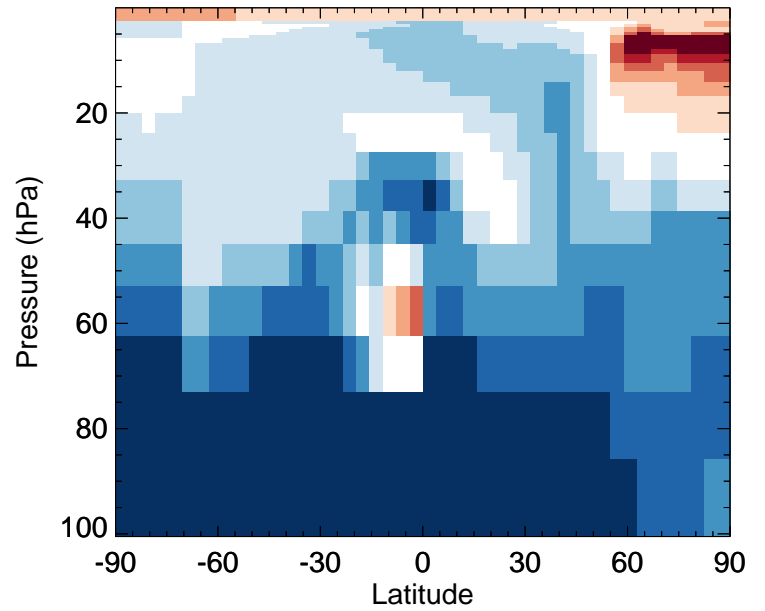
GC\_12.0.0 - v11-02e-Run1

BrCl - Strat zonal mean abs diff for Jan



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

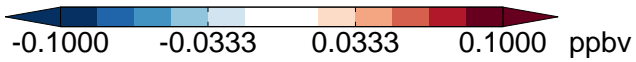
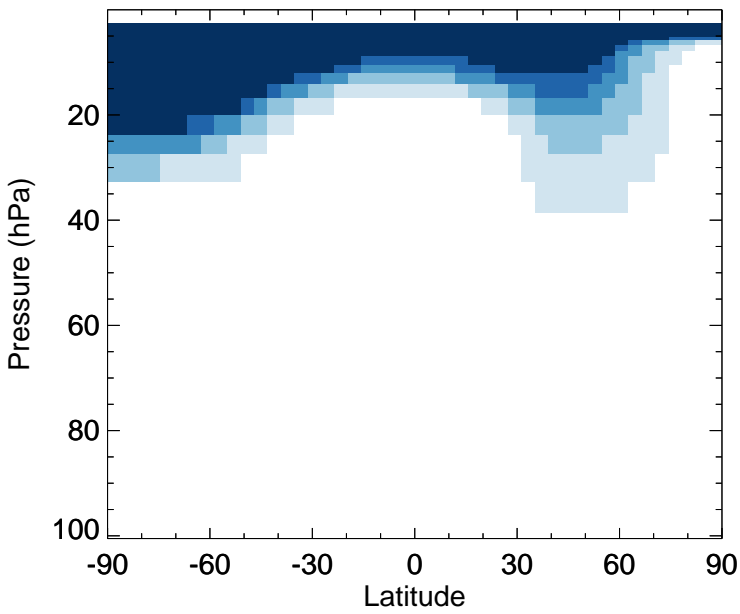
BrCl - Strat zonal mean % diff for Jan



GEOS-Chem Stratospheric Zonal Difference Maps

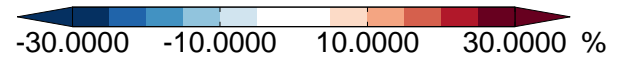
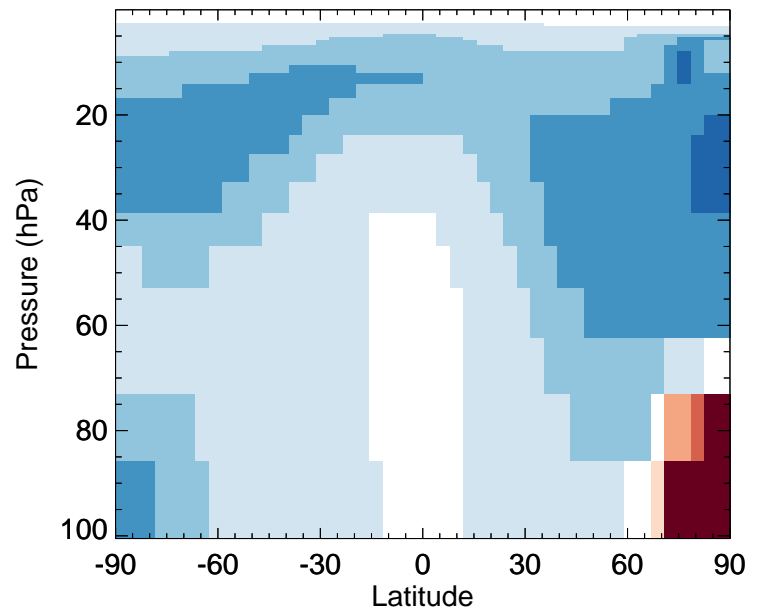
GC\_12.0.0 - v11-02f-Run1

HCl - Strat zonal mean abs diff for Jan



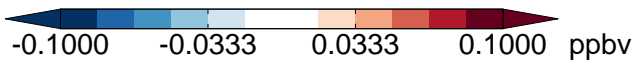
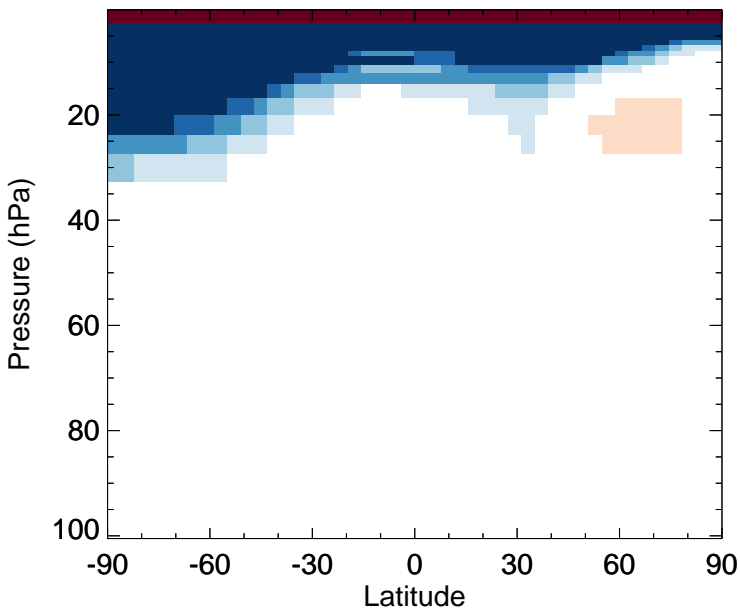
GC\_12.0.0 / v11-02f-Run1

HCl - Strat zonal mean % diff for Jan



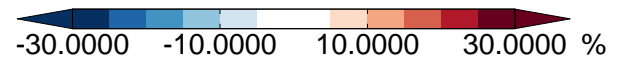
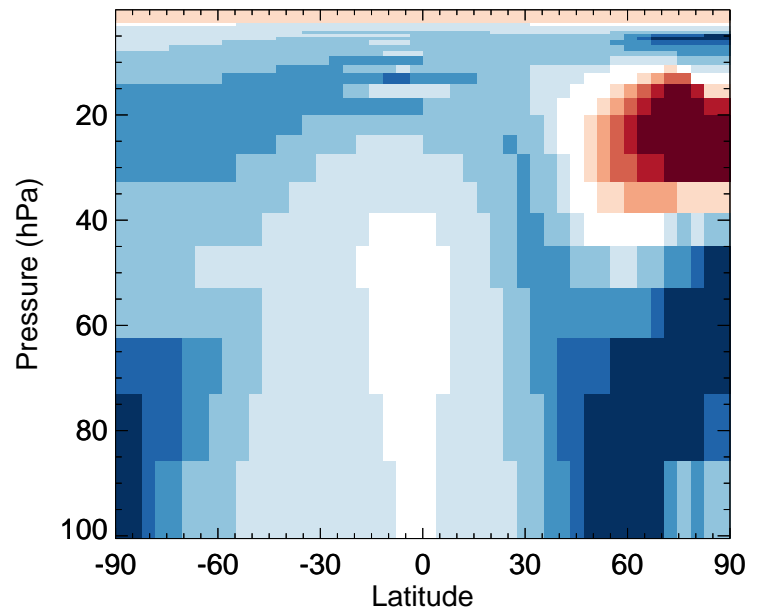
GC\_12.0.0 - v11-02e-Run1

HCl - Strat zonal mean abs diff for Jan



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

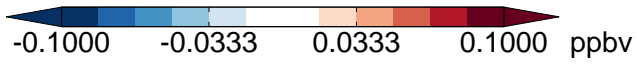
HCl - Strat zonal mean % diff for Jan



# GEOS-Chem Stratospheric Zonal Difference Maps

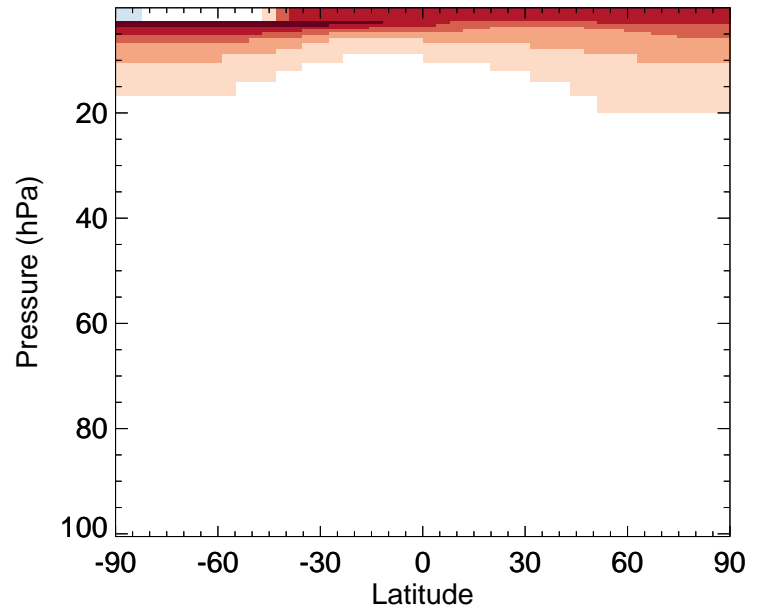
GC\_12.0.0 - v11-02f-Run1

CCI4 - Strat zonal mean abs diff for Jan



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

CCI4 - Strat zonal mean % diff for Jan



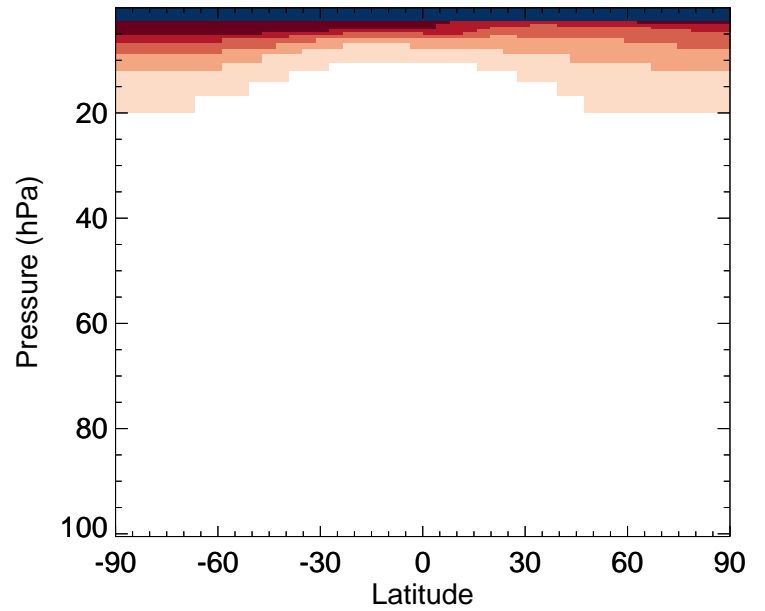
GC\_12.0.0 - v11-02e-Run1

CCI4 - Strat zonal mean abs diff for Jan



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

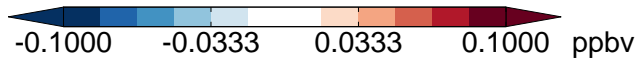
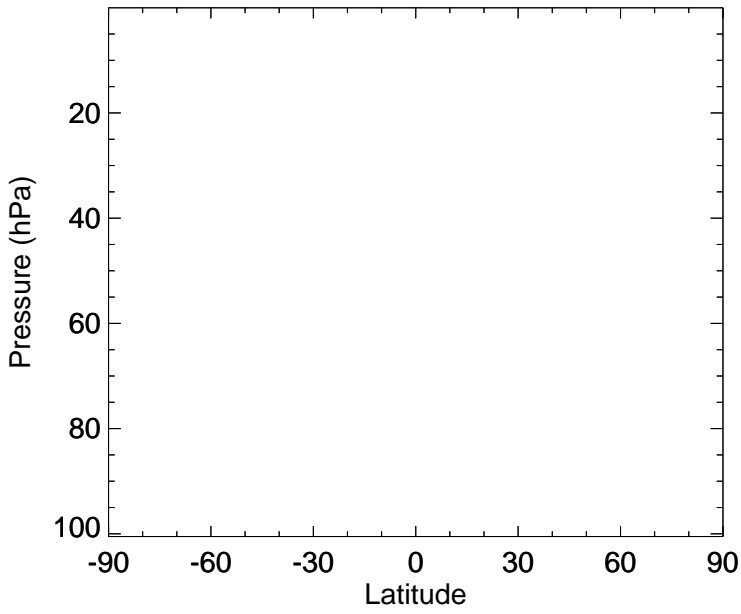
CCI4 - Strat zonal mean % diff for Jan



GEOS-Chem Stratospheric Zonal Difference Maps

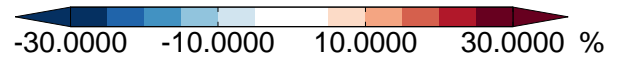
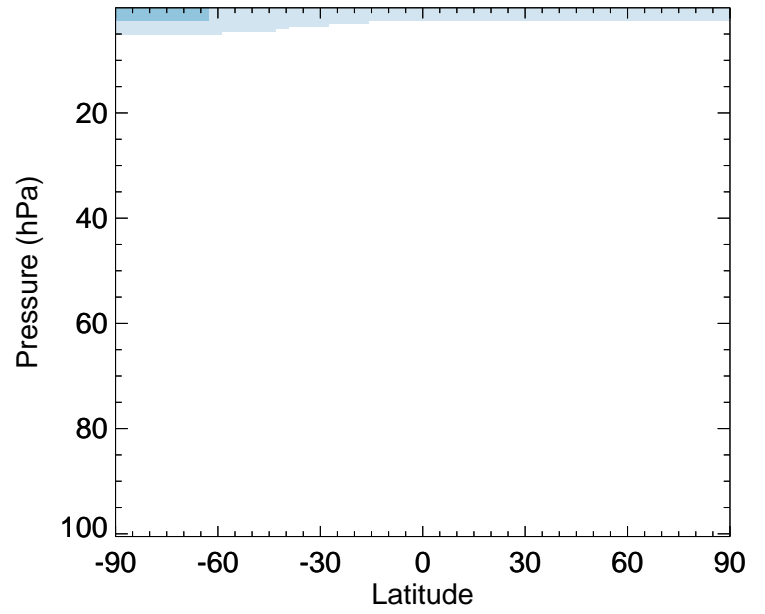
GC\_12.0.0 - v11-02f-Run1

CH3Cl - Strat zonal mean abs diff for Jan



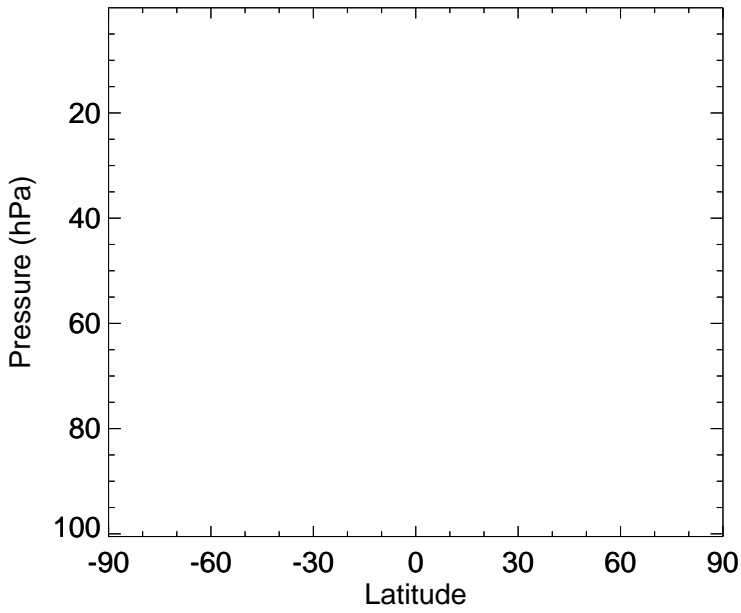
GC\_12.0.0 / v11-02f-Run1

CH3Cl - Strat zonal mean % diff for Jan



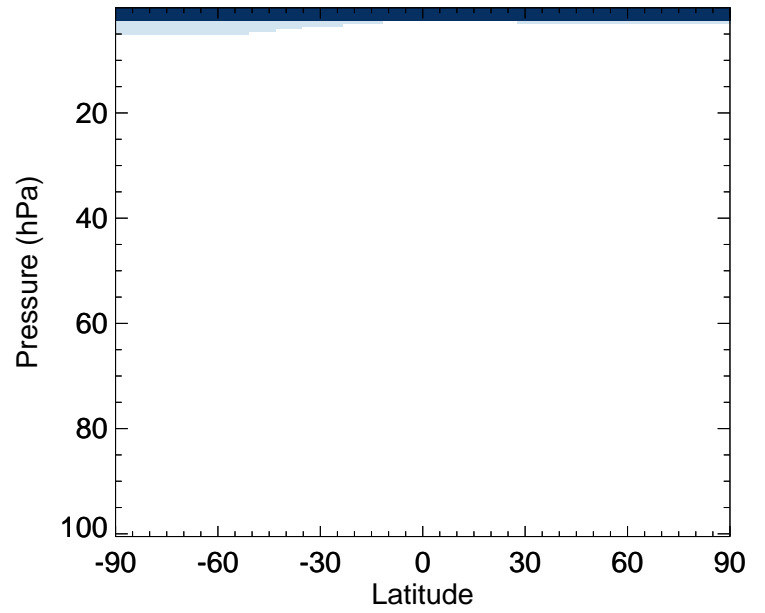
GC\_12.0.0 - v11-02e-Run1

CH3Cl - Strat zonal mean abs diff for Jan



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

CH3Cl - Strat zonal mean % diff for Jan



GEOS-Chem Stratospheric Zonal Difference Maps

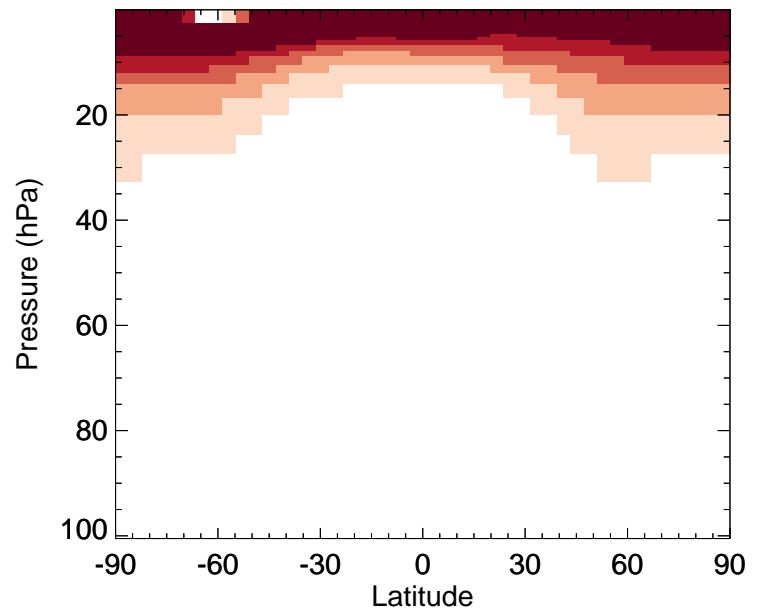
GC\_12.0.0 - v11-02f-Run1

CH3CCI3 - Strat zonal mean abs diff for Jan



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

CH3CCI3 - Strat zonal mean % diff for Jan



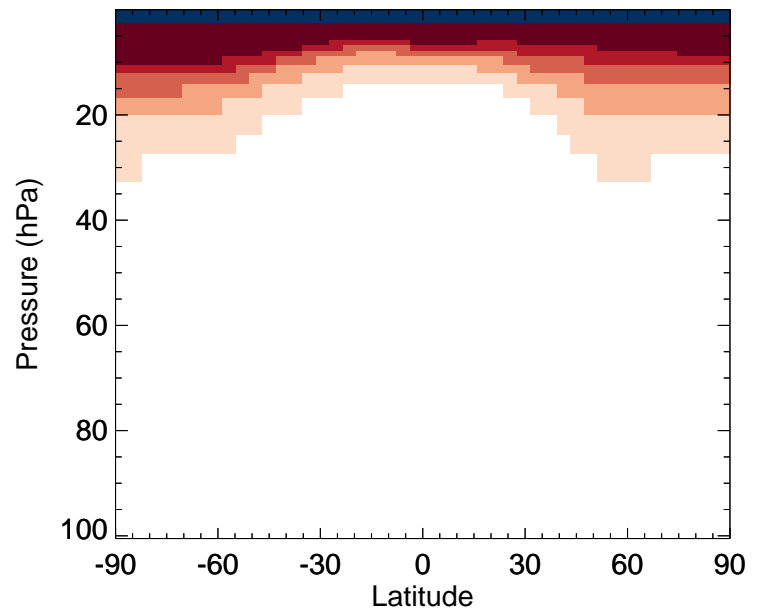
GC\_12.0.0 - v11-02e-Run1

CH3CCI3 - Strat zonal mean abs diff for Jan



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

CH3CCI3 - Strat zonal mean % diff for Jan



# GEOS-Chem Stratospheric Zonal Difference Maps

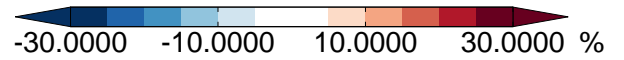
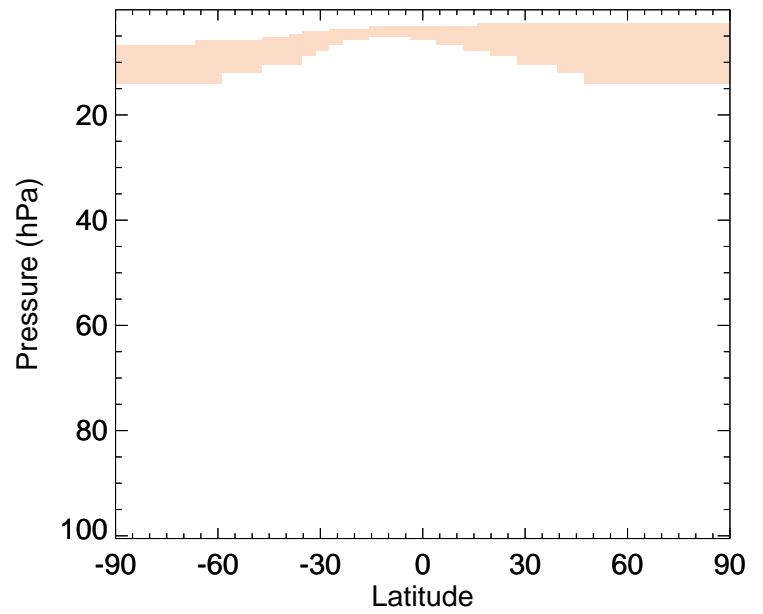
GC\_12.0.0 - v11-02f-Run1

CFC113 - Strat zonal mean abs diff for Jan



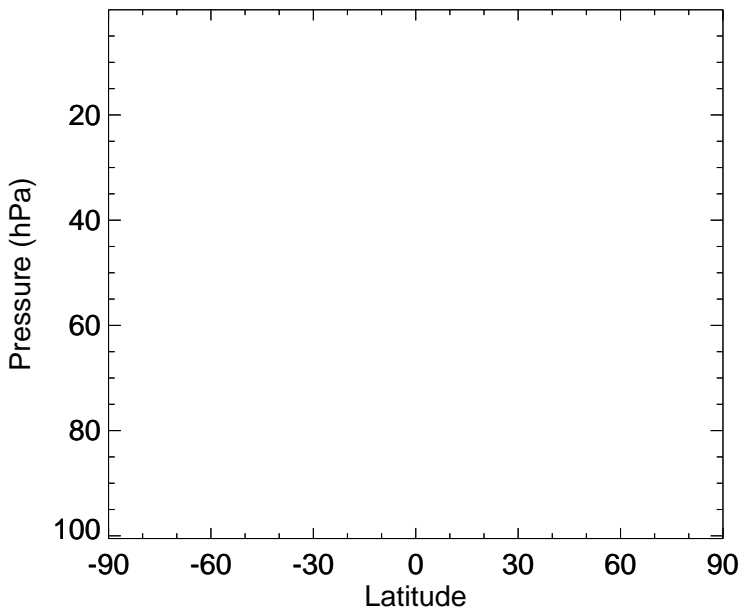
GC\_12.0.0 / v11-02f-Run1

CFC113 - Strat zonal mean % diff for Jan



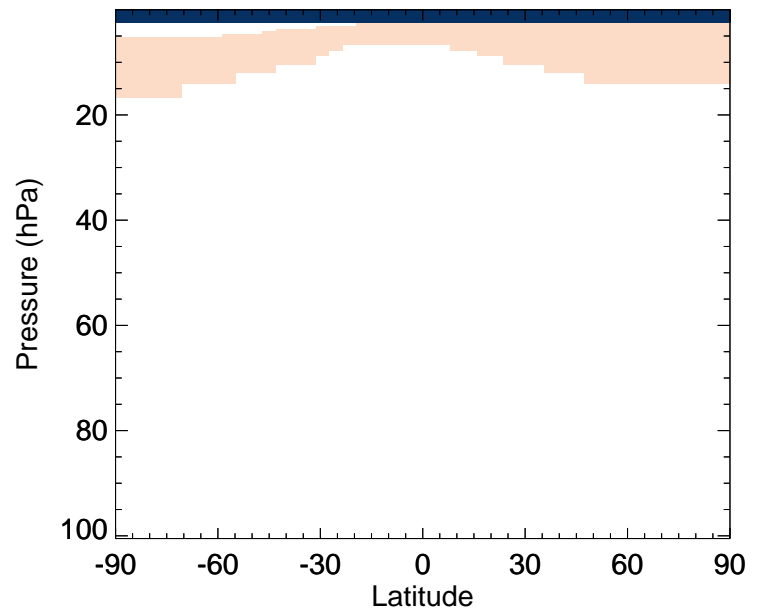
GC\_12.0.0 - v11-02e-Run1

CFC113 - Strat zonal mean abs diff for Jan



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

CFC113 - Strat zonal mean % diff for Jan





GEOS-Chem Stratospheric Zonal Difference Maps

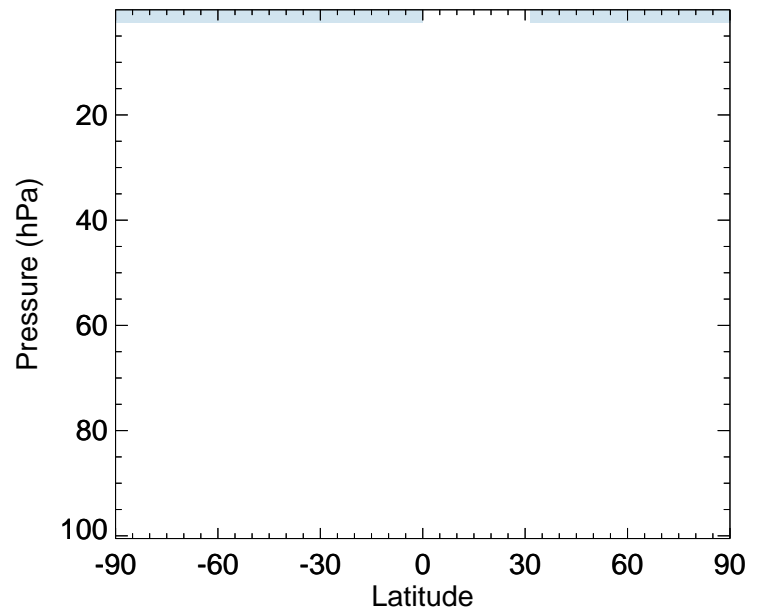
GC\_12.0.0 - v11-02f-Run1

CFC114 - Strat zonal mean abs diff for Jan



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

CFC114 - Strat zonal mean % diff for Jan



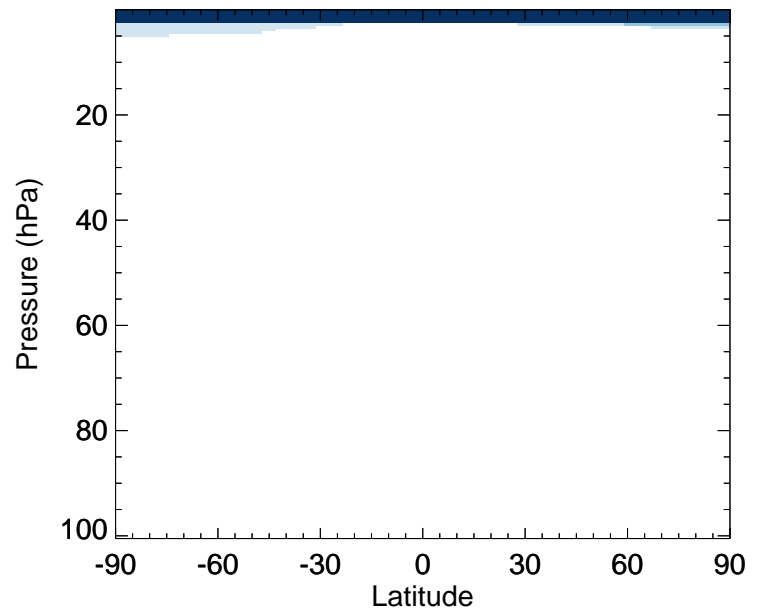
GC\_12.0.0 - v11-02e-Run1

CFC114 - Strat zonal mean abs diff for Jan



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

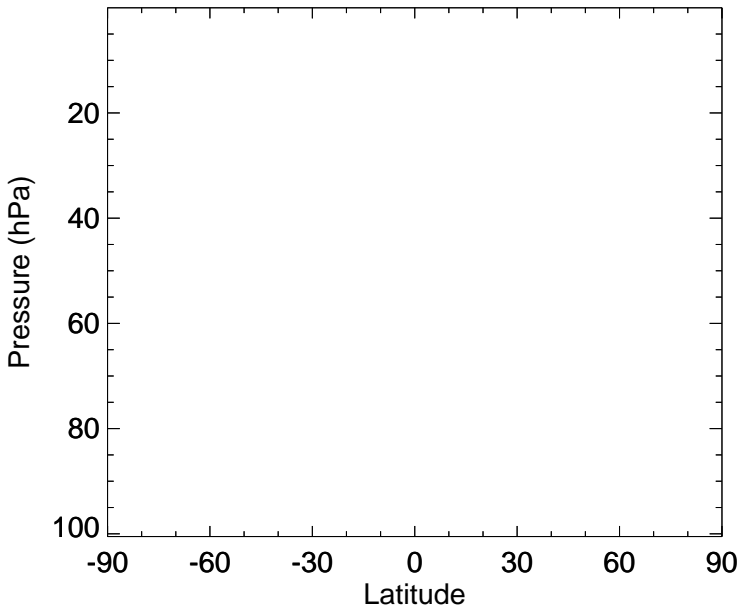
CFC114 - Strat zonal mean % diff for Jan



GEOS-Chem Stratospheric Zonal Difference Maps

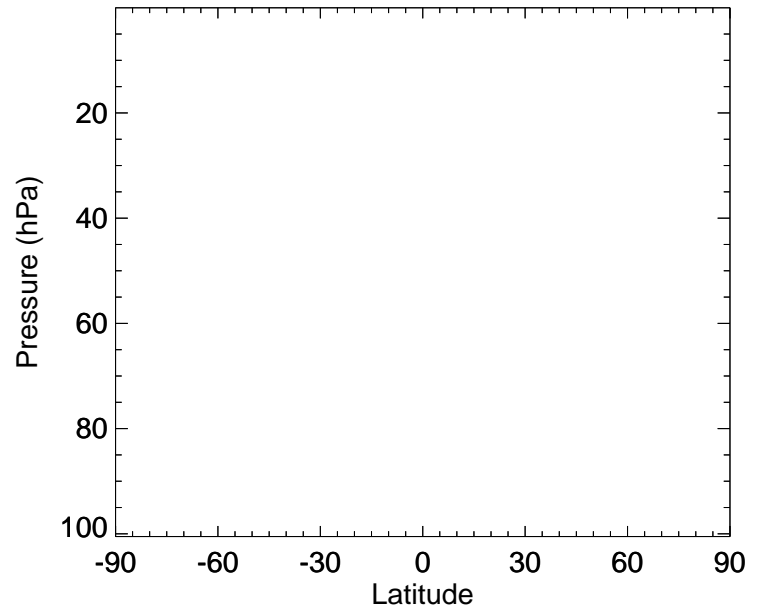
GC\_12.0.0 - v11-02f-Run1

CFC115 - Strat zonal mean abs diff for Jan



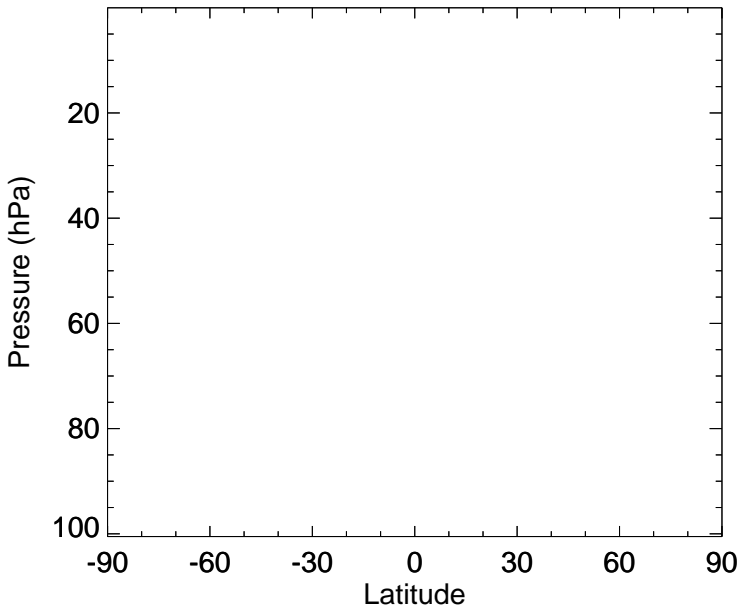
GC\_12.0.0 / v11-02f-Run1

CFC115 - Strat zonal mean % diff for Jan



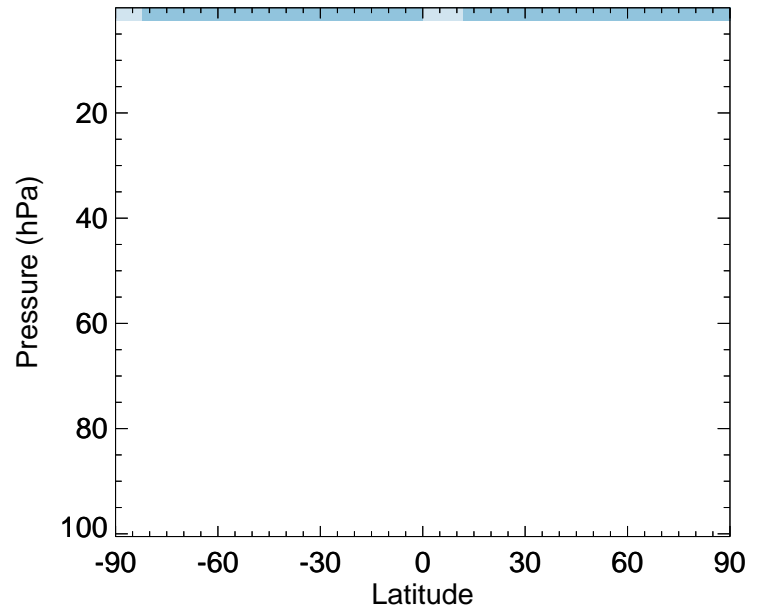
GC\_12.0.0 - v11-02e-Run1

CFC115 - Strat zonal mean abs diff for Jan



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

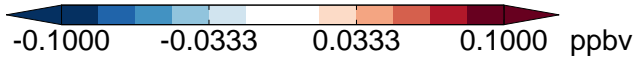
CFC115 - Strat zonal mean % diff for Jan



GEOS-Chem Stratospheric Zonal Difference Maps

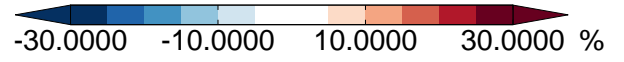
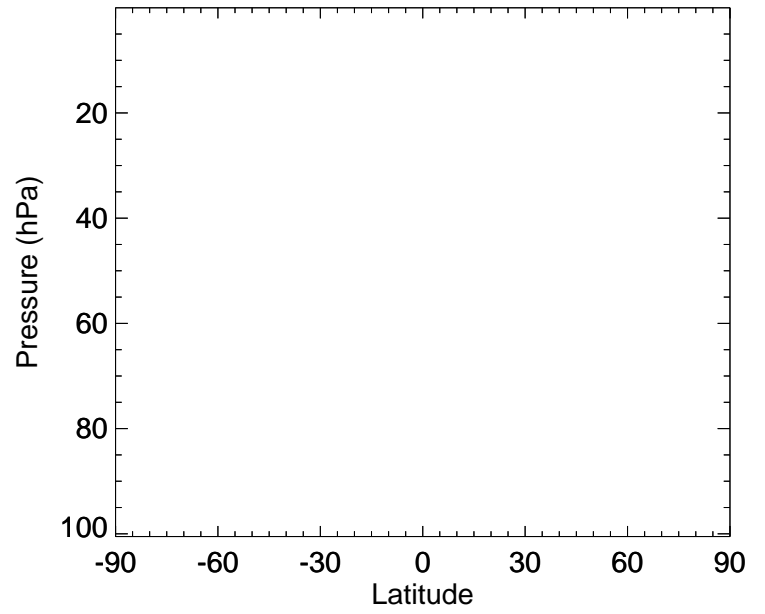
GC\_12.0.0 - v11-02f-Run1

HCFC123 - Strat zonal mean abs diff for Jan



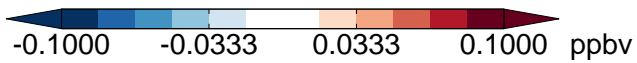
GC\_12.0.0 / v11-02f-Run1

HCFC123 - Strat zonal mean % diff for Jan



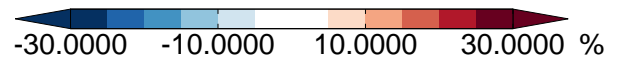
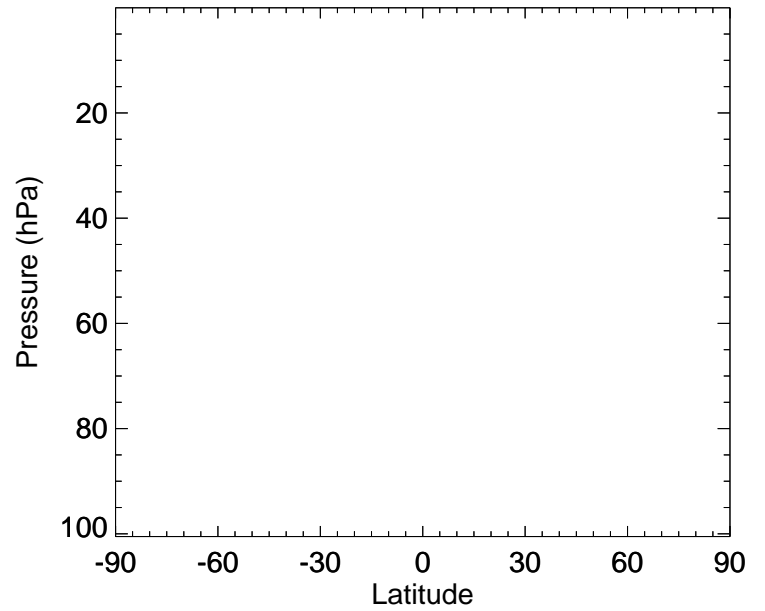
GC\_12.0.0 - v11-02e-Run1

HCFC123 - Strat zonal mean abs diff for Jan



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

HCFC123 - Strat zonal mean % diff for Jan



# GEOS-Chem Stratospheric Zonal Difference Maps

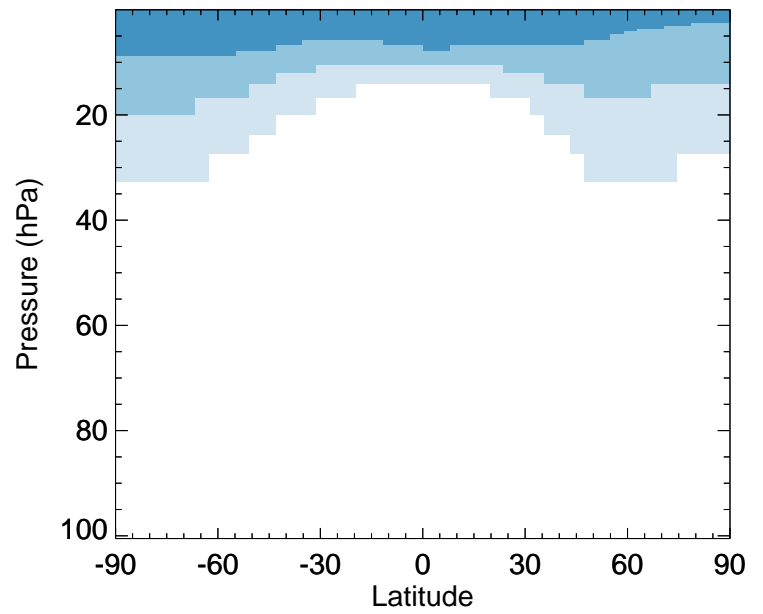
GC\_12.0.0 - v11-02f-Run1

HCFC141b - Strat zonal mean abs diff for Jan



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

HCFC141b - Strat zonal mean % diff for Jan



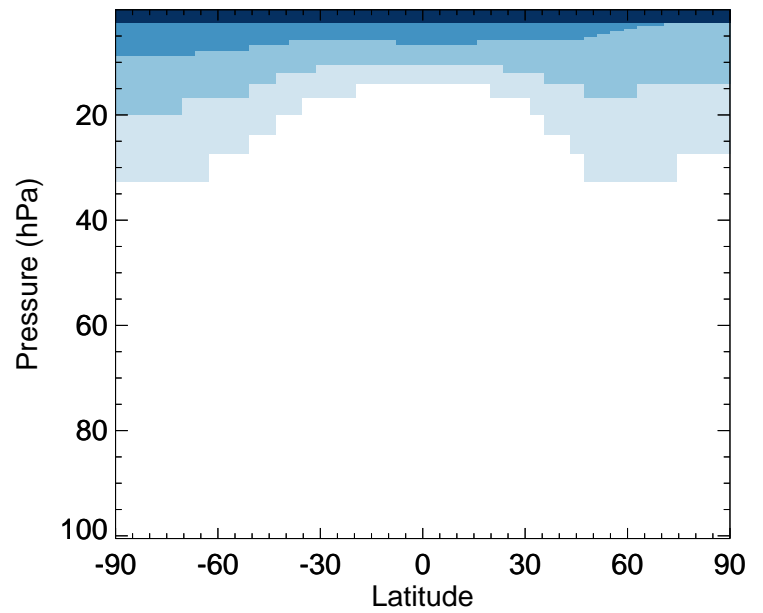
GC\_12.0.0 - v11-02e-Run1

HCFC141b - Strat zonal mean abs diff for Jan



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

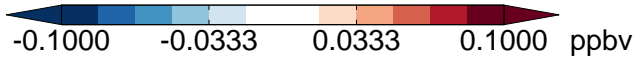
HCFC141b - Strat zonal mean % diff for Jan



GEOS-Chem Stratospheric Zonal Difference Maps

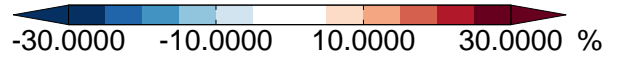
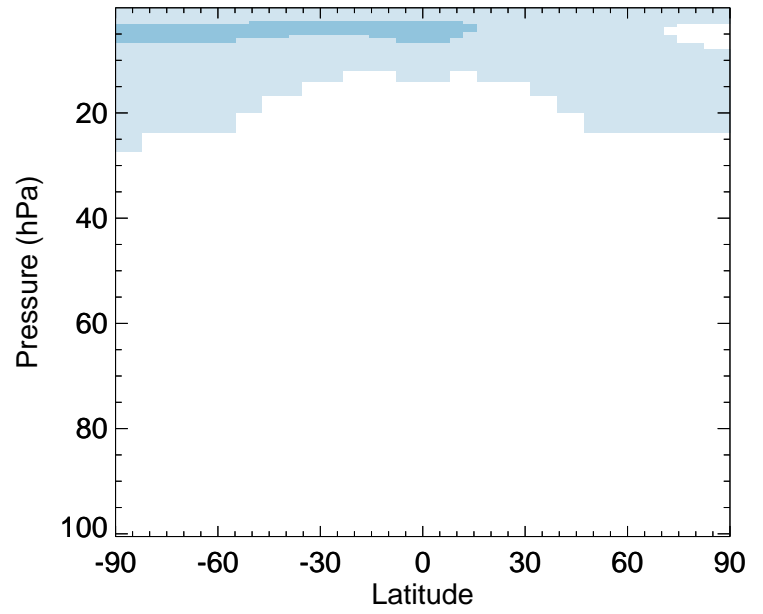
GC\_12.0.0 - v11-02f-Run1

HCFC142b - Strat zonal mean abs diff for Jan



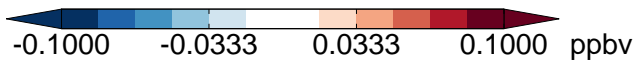
GC\_12.0.0 / v11-02f-Run1

HCFC142b - Strat zonal mean % diff for Jan



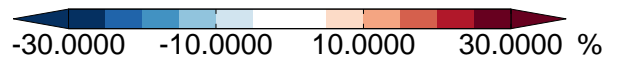
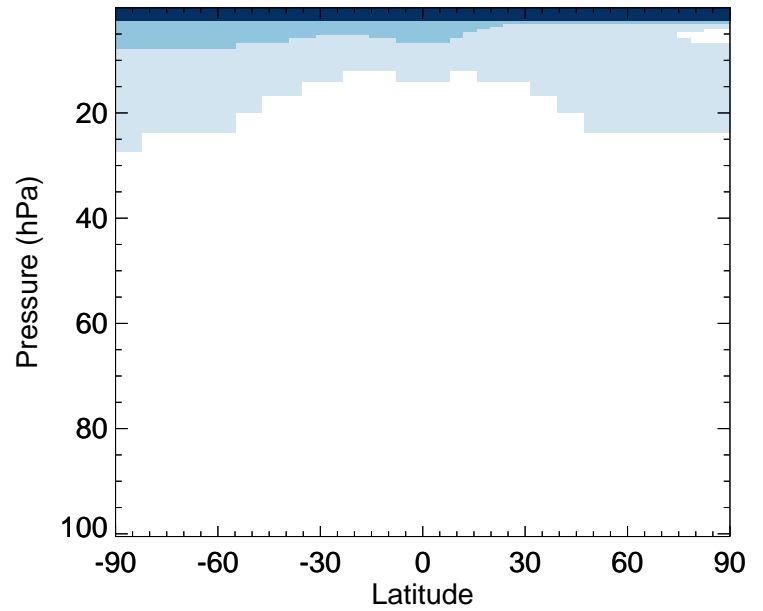
GC\_12.0.0 - v11-02e-Run1

HCFC142b - Strat zonal mean abs diff for Jan



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

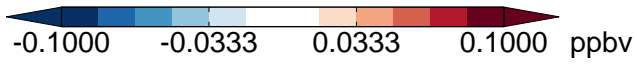
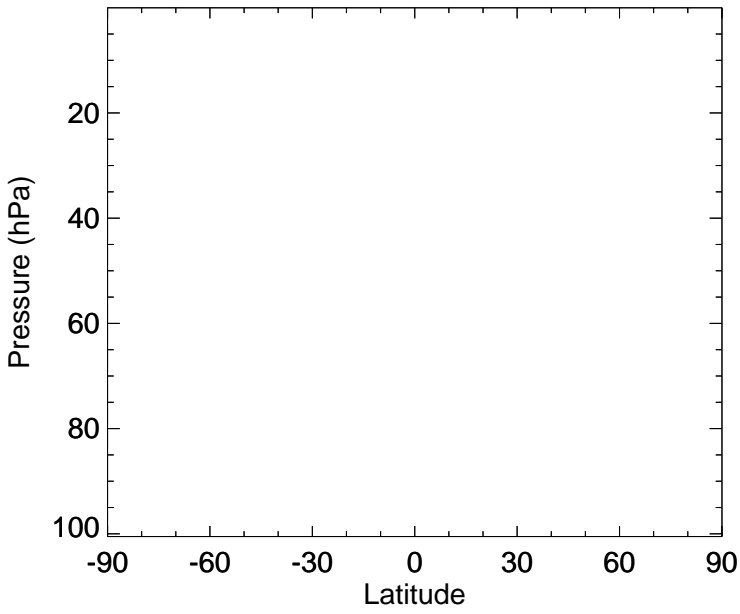
HCFC142b - Strat zonal mean % diff for Jan



GEOS-Chem Stratospheric Zonal Difference Maps

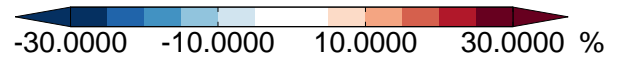
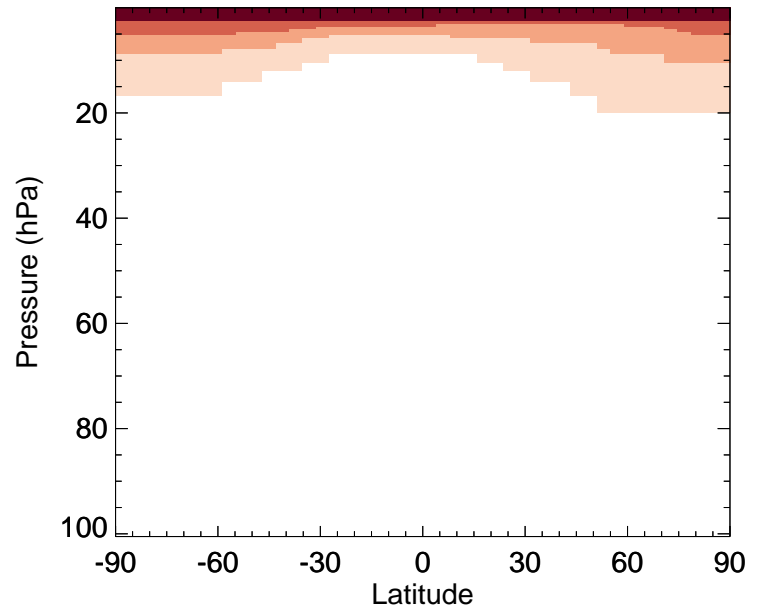
GC\_12.0.0 - v11-02f-Run1

CFC11 - Strat zonal mean abs diff for Jan



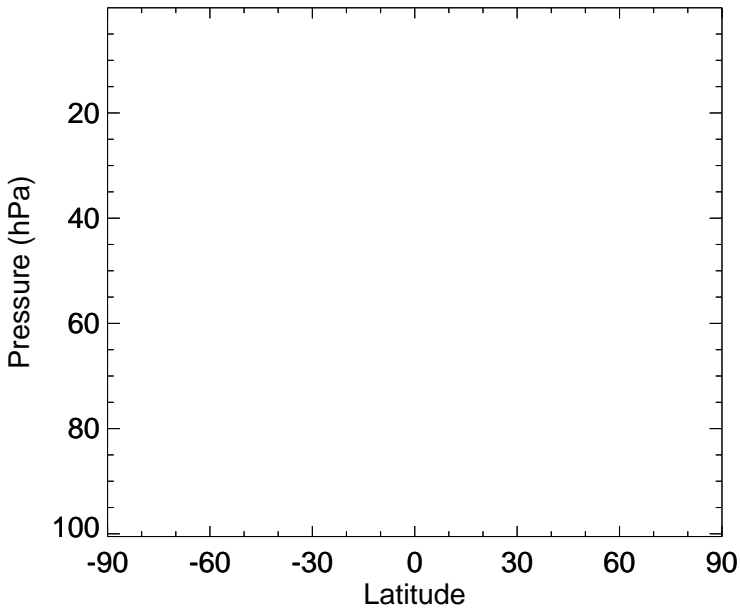
GC\_12.0.0 / v11-02f-Run1

CFC11 - Strat zonal mean % diff for Jan



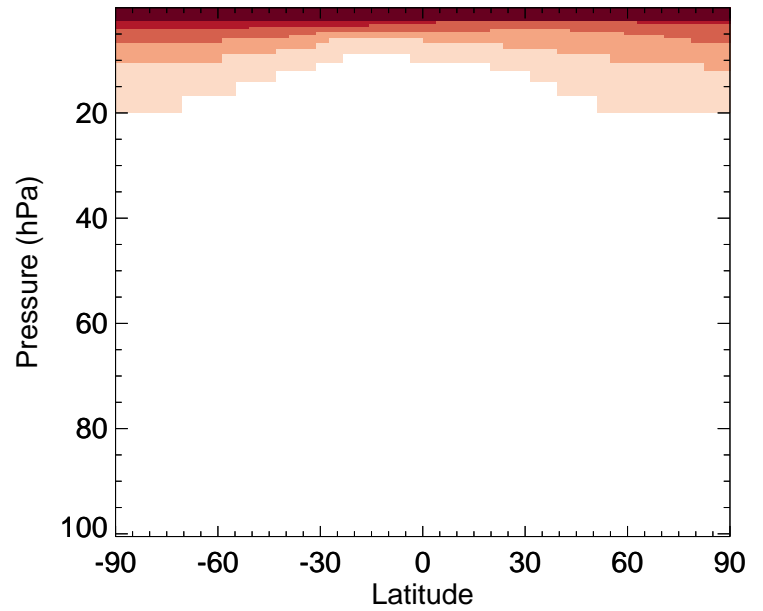
GC\_12.0.0 - v11-02e-Run1

CFC11 - Strat zonal mean abs diff for Jan



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

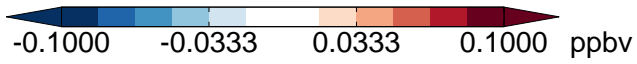
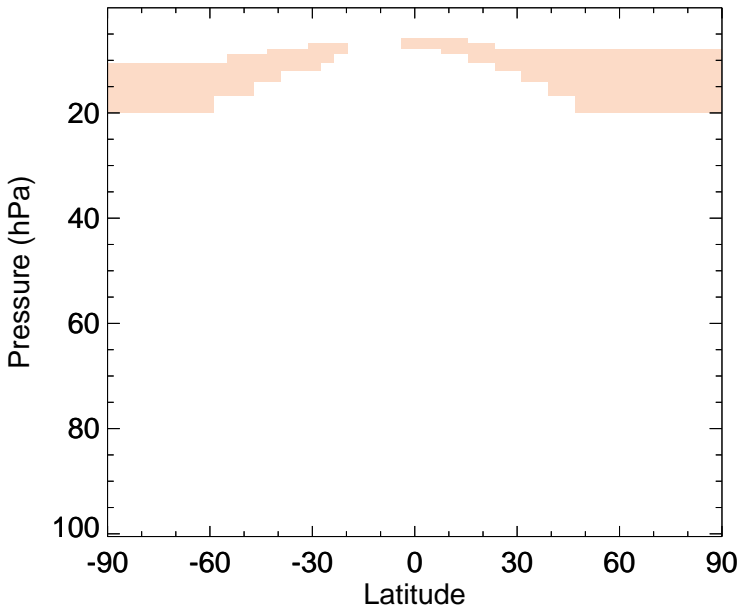
CFC11 - Strat zonal mean % diff for Jan



GEOS-Chem Stratospheric Zonal Difference Maps

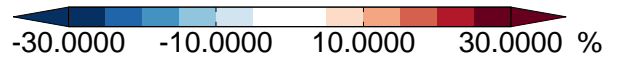
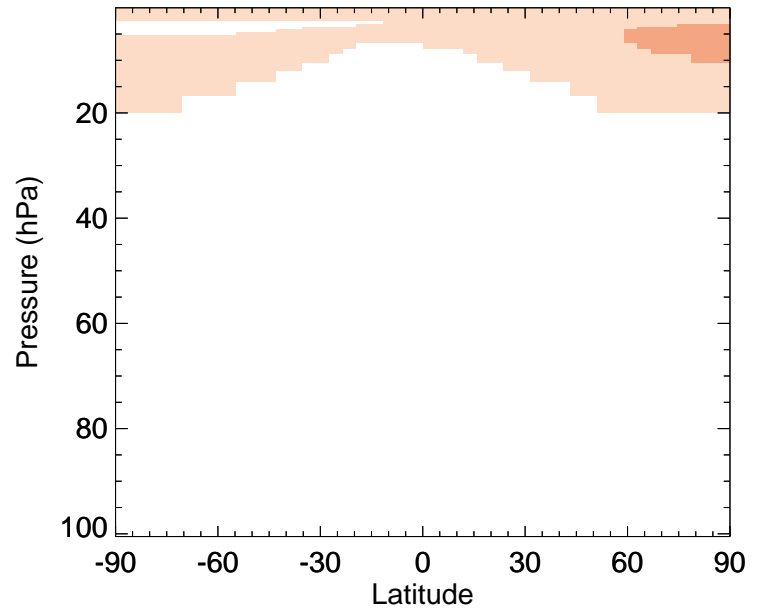
GC\_12.0.0 - v11-02f-Run1

CFC12 - Strat zonal mean abs diff for Jan



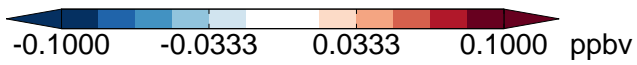
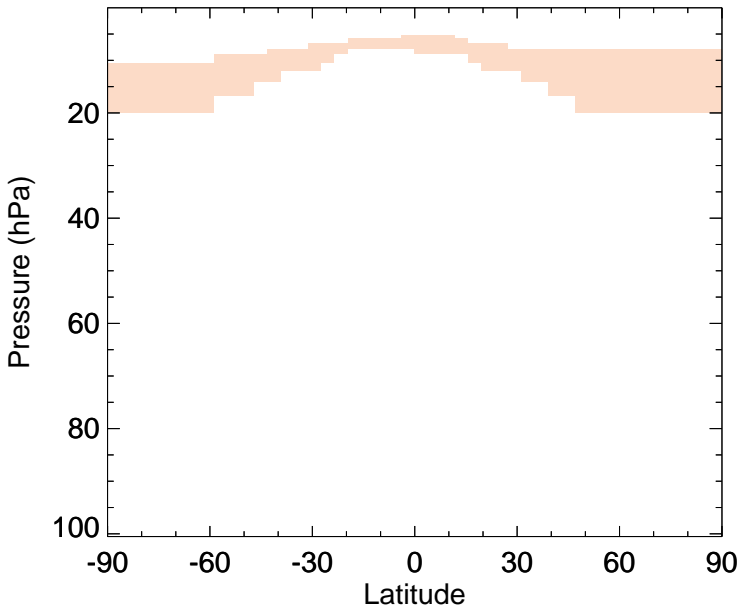
GC\_12.0.0 / v11-02f-Run1

CFC12 - Strat zonal mean % diff for Jan



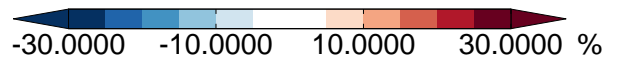
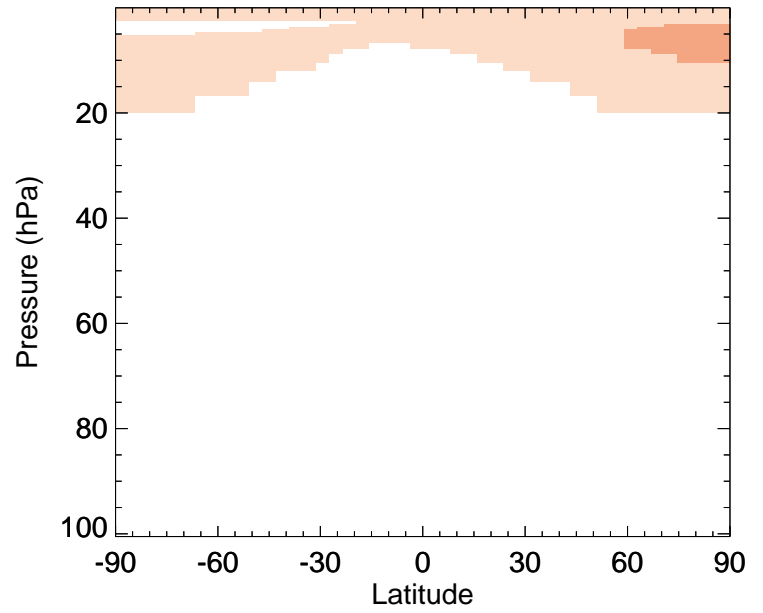
GC\_12.0.0 - v11-02e-Run1

CFC12 - Strat zonal mean abs diff for Jan



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

CFC12 - Strat zonal mean % diff for Jan



GEOS-Chem Stratospheric Zonal Difference Maps

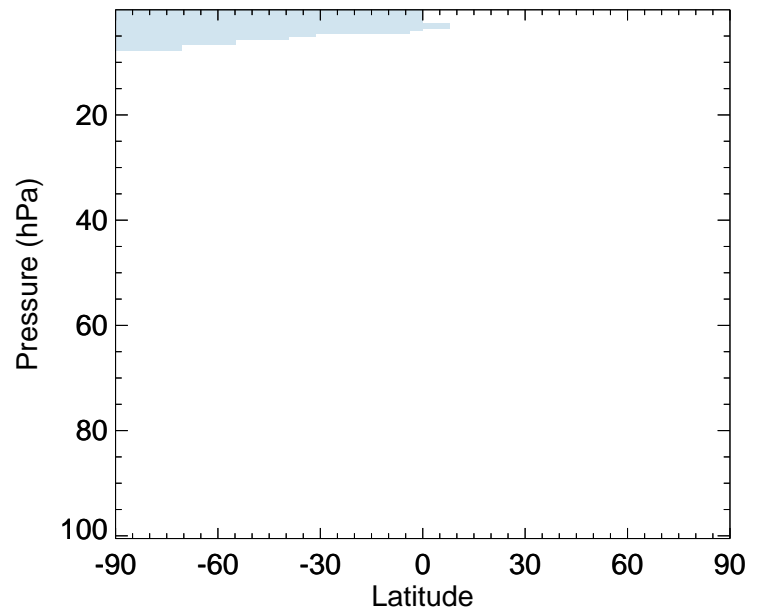
GC\_12.0.0 - v11-02f-Run1

HCFC22 - Strat zonal mean abs diff for Jan



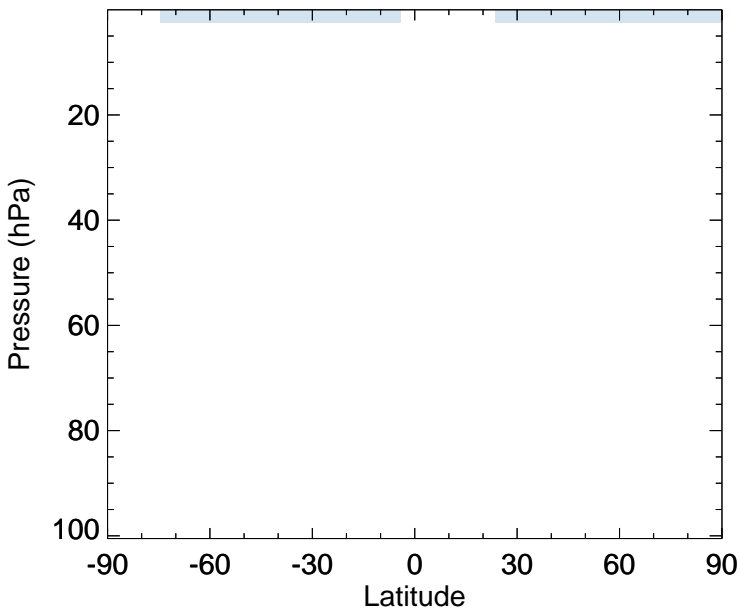
GC\_12.0.0 / v11-02f-Run1

HCFC22 - Strat zonal mean % diff for Jan



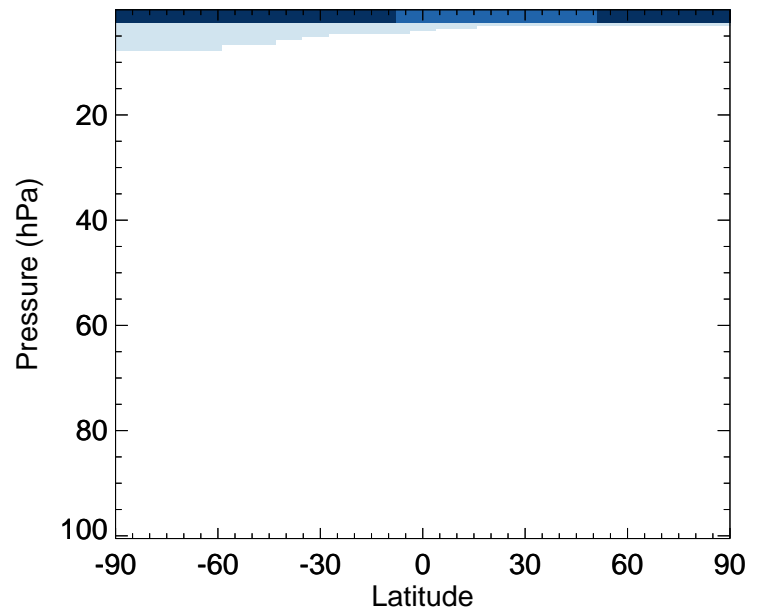
GC\_12.0.0 - v11-02e-Run1

HCFC22 - Strat zonal mean abs diff for Jan



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

HCFC22 - Strat zonal mean % diff for Jan

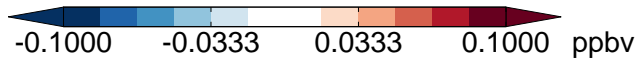




GEOS-Chem Stratospheric Zonal Difference Maps

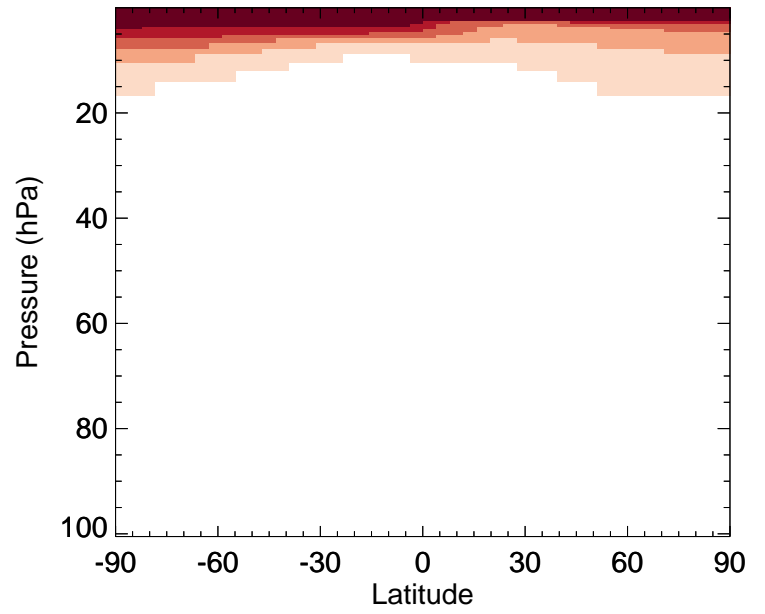
GC\_12.0.0 - v11-02f-Run1

H1211 - Strat zonal mean abs diff for Jan



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

H1211 - Strat zonal mean % diff for Jan



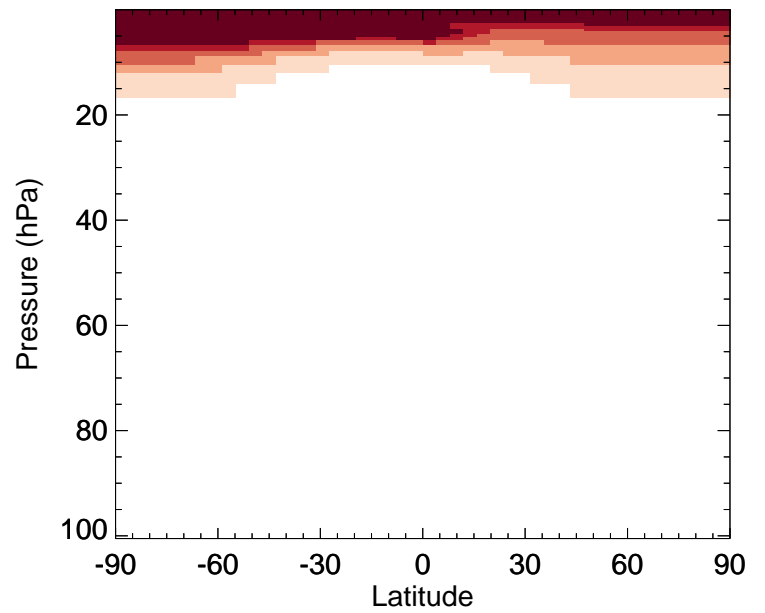
GC\_12.0.0 - v11-02e-Run1

H1211 - Strat zonal mean abs diff for Jan



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

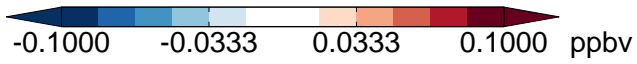
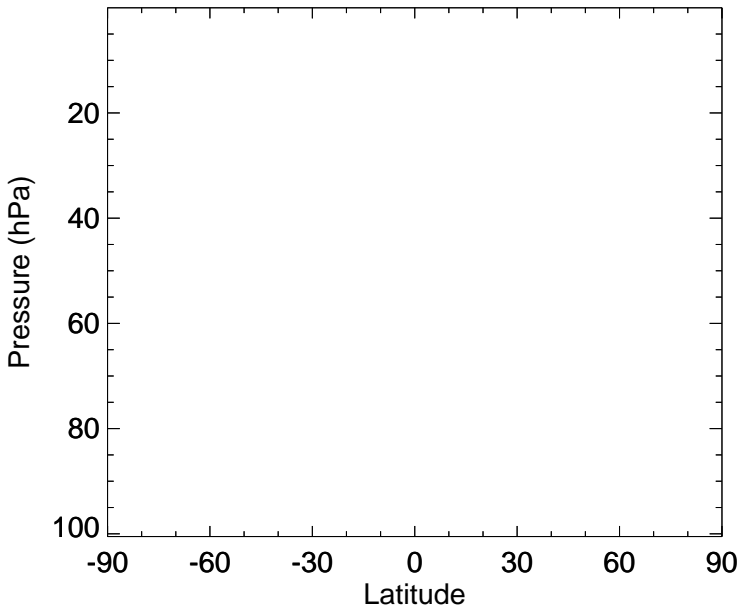
H1211 - Strat zonal mean % diff for Jan



GEOS-Chem Stratospheric Zonal Difference Maps

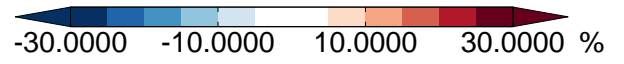
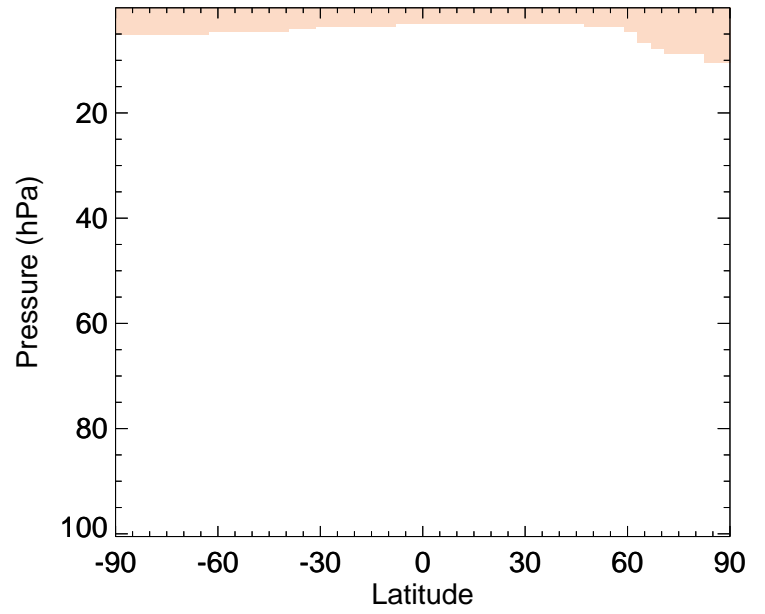
GC\_12.0.0 - v11-02f-Run1

H1301 - Strat zonal mean abs diff for Jan



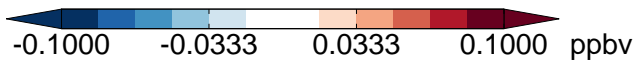
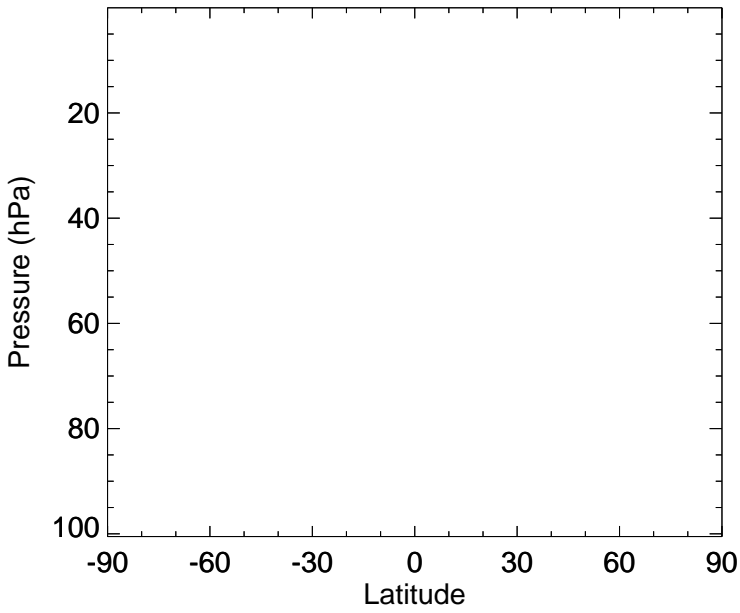
GC\_12.0.0 / v11-02f-Run1

H1301 - Strat zonal mean % diff for Jan



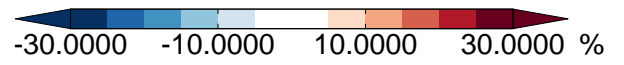
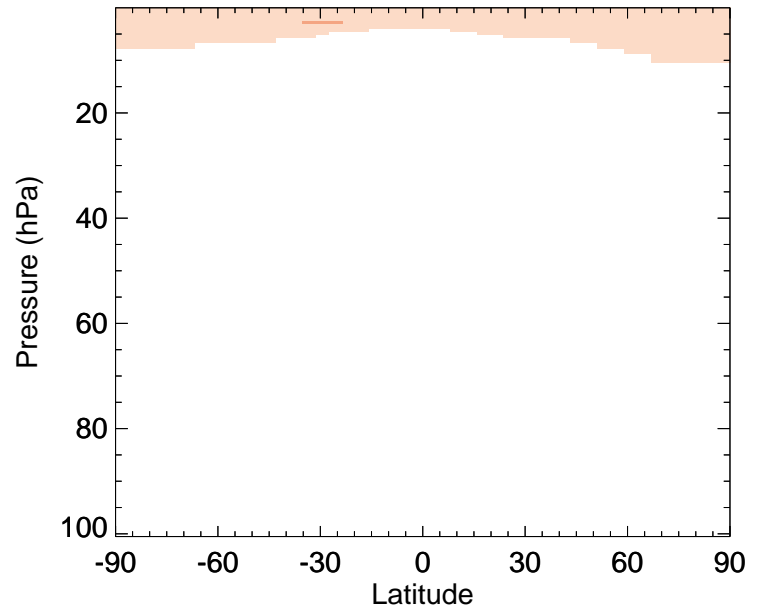
GC\_12.0.0 - v11-02e-Run1

H1301 - Strat zonal mean abs diff for Jan



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

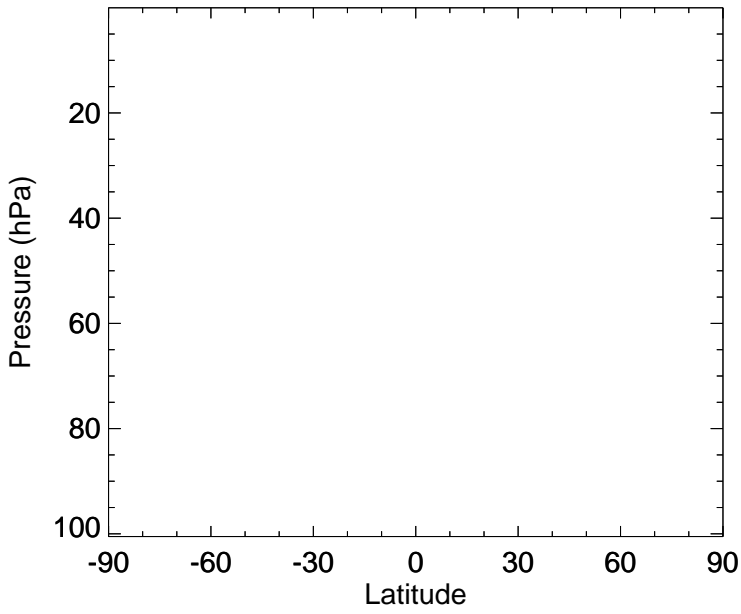
H1301 - Strat zonal mean % diff for Jan



GEOS-Chem Stratospheric Zonal Difference Maps

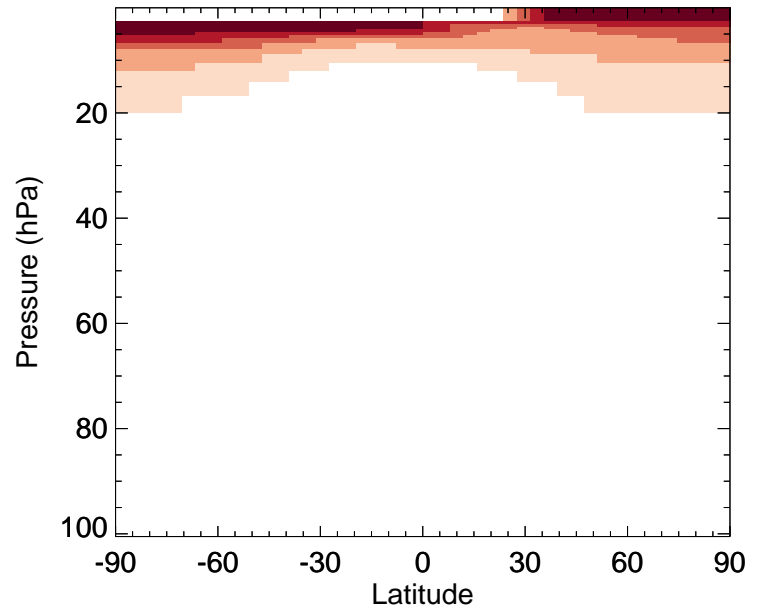
GC\_12.0.0 - v11-02f-Run1

H2402 - Strat zonal mean abs diff for Jan



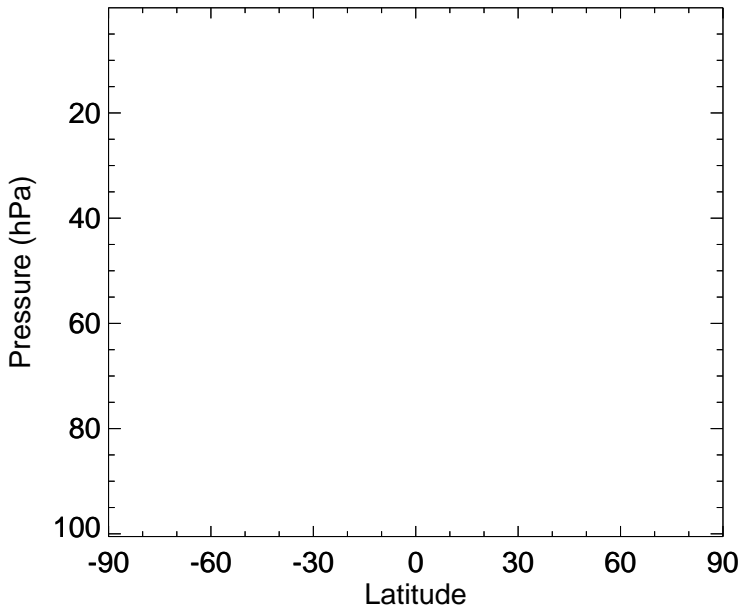
GC\_12.0.0 / v11-02f-Run1

H2402 - Strat zonal mean % diff for Jan



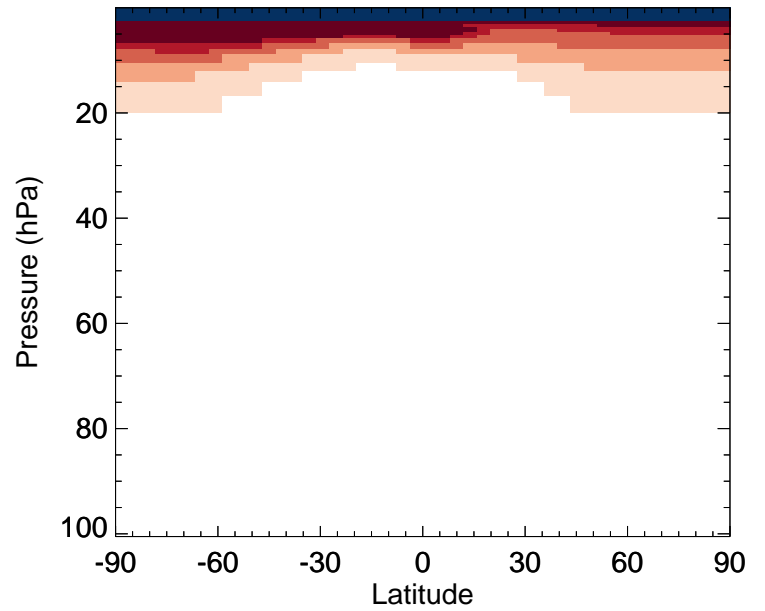
GC\_12.0.0 - v11-02e-Run1

H2402 - Strat zonal mean abs diff for Jan



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

H2402 - Strat zonal mean % diff for Jan



# GEOS-Chem Stratospheric Zonal Difference Maps

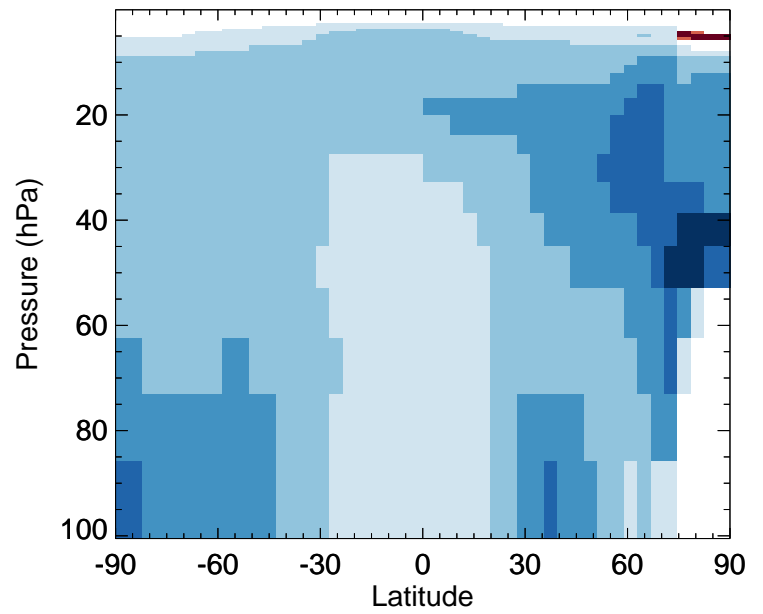
GC\_12.0.0 - v11-02f-Run1

Cl - Strat zonal mean abs diff for Jan



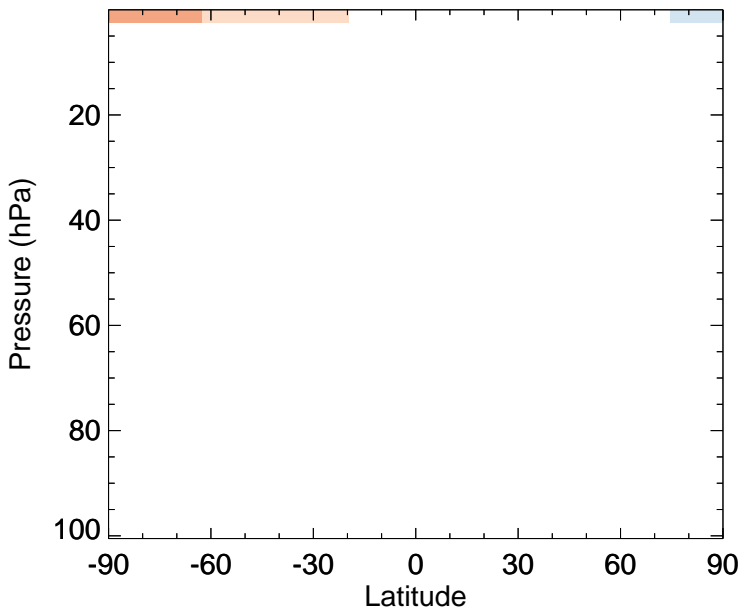
GC\_12.0.0 / v11-02f-Run1

Cl - Strat zonal mean % diff for Jan



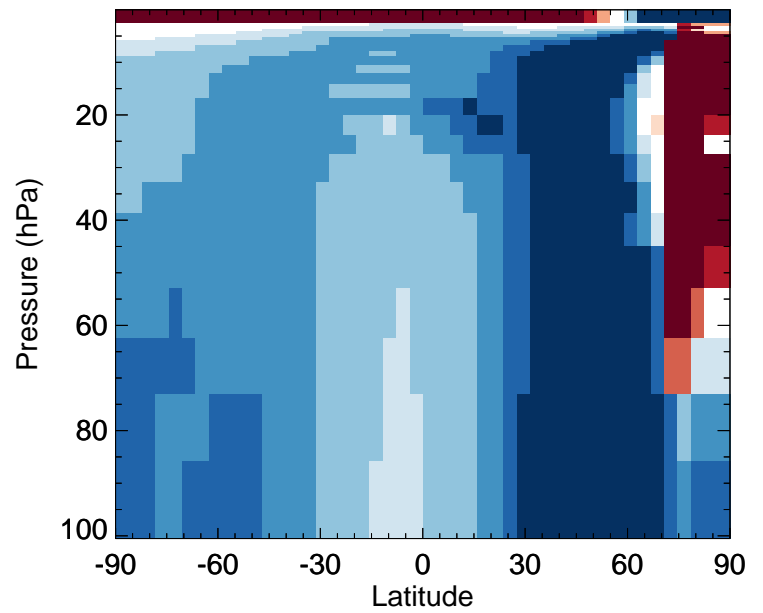
GC\_12.0.0 - v11-02e-Run1

Cl - Strat zonal mean abs diff for Jan



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

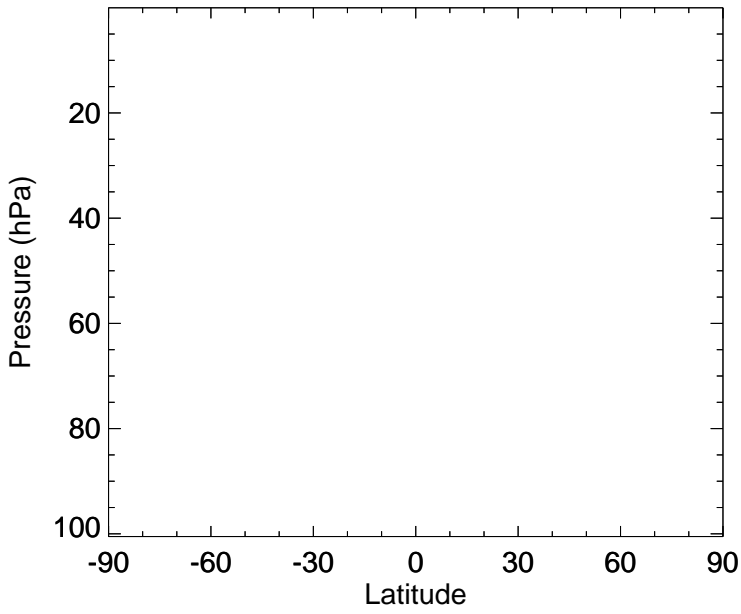
Cl - Strat zonal mean % diff for Jan



GEOS-Chem Stratospheric Zonal Difference Maps

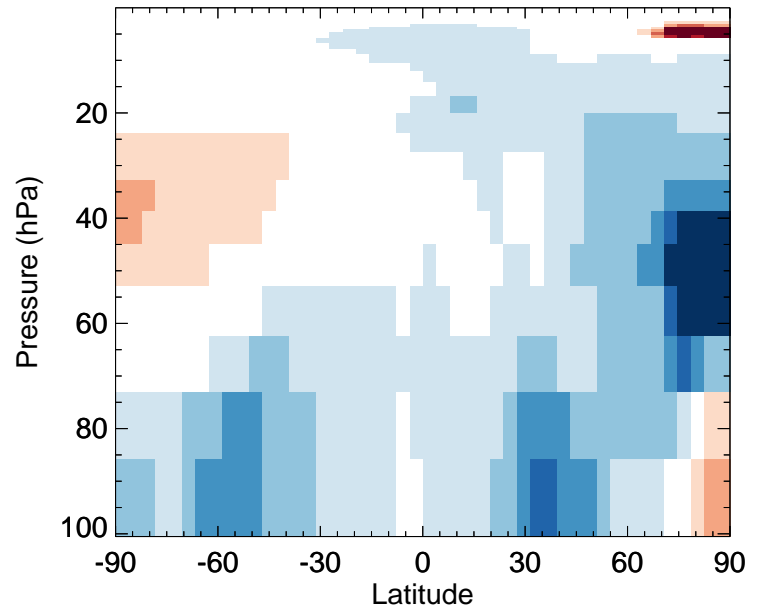
GC\_12.0.0 - v11-02f-Run1

CIO - Strat zonal mean abs diff for Jan



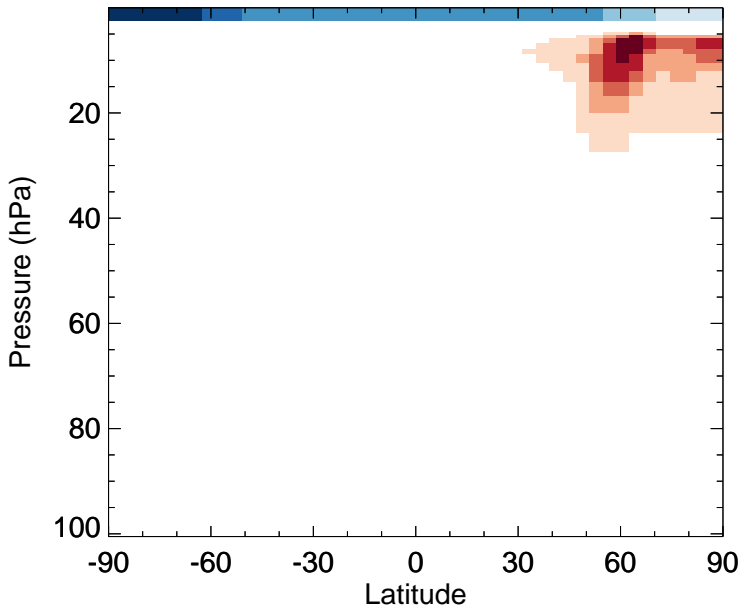
GC\_12.0.0 / v11-02f-Run1

CIO - Strat zonal mean % diff for Jan



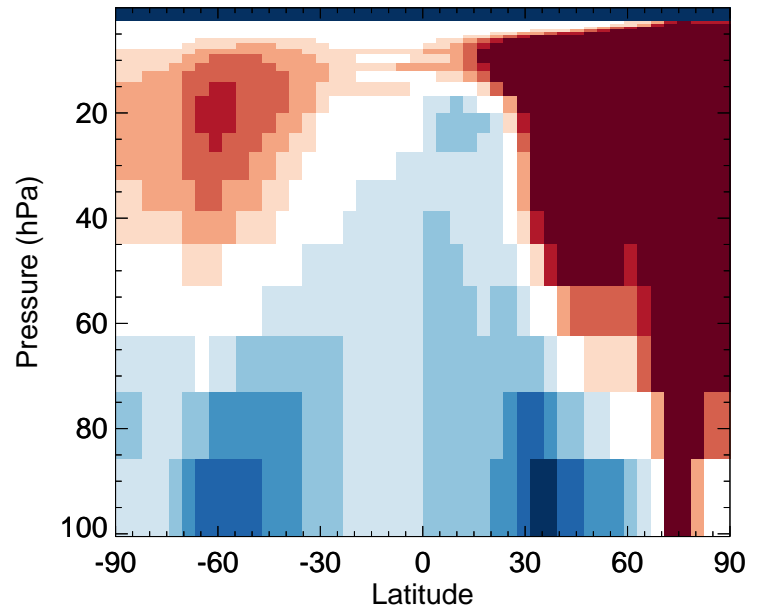
GC\_12.0.0 - v11-02e-Run1

CIO - Strat zonal mean abs diff for Jan



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

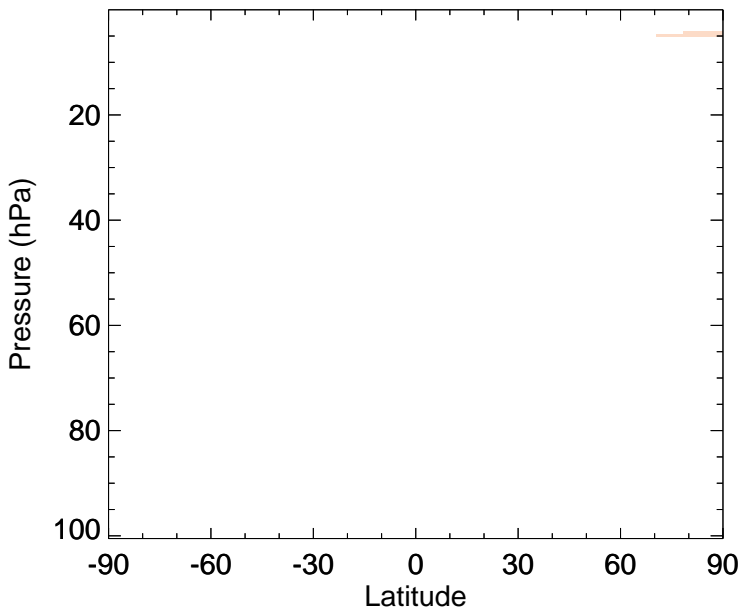
CIO - Strat zonal mean % diff for Jan



GEOS-Chem Stratospheric Zonal Difference Maps

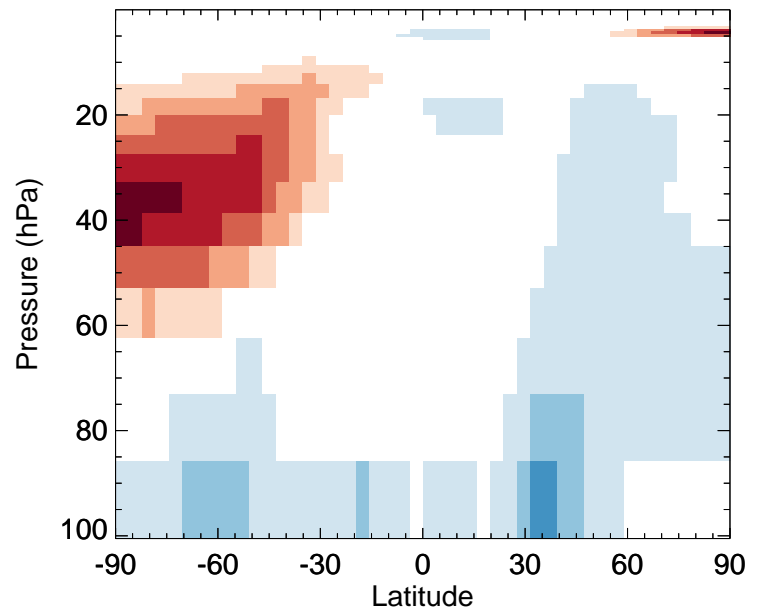
GC\_12.0.0 - v11-02f-Run1

HOCl - Strat zonal mean abs diff for Jan



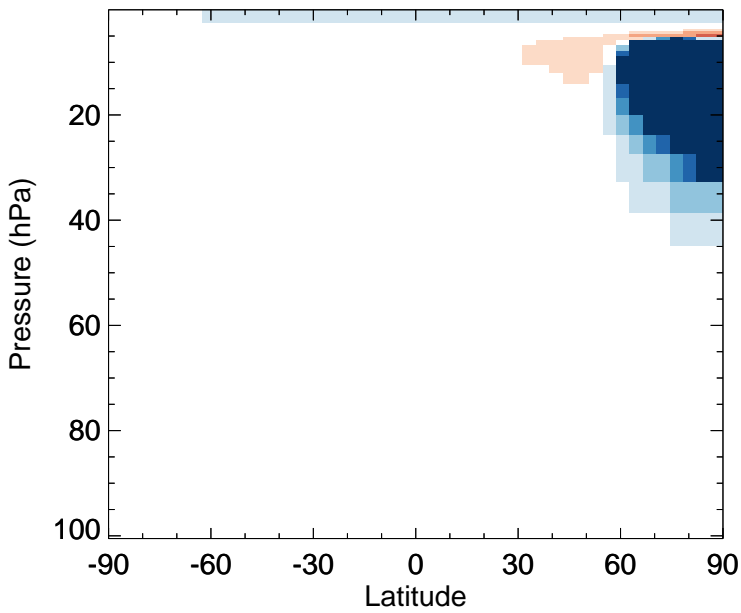
GC\_12.0.0 / v11-02f-Run1

HOCl - Strat zonal mean % diff for Jan



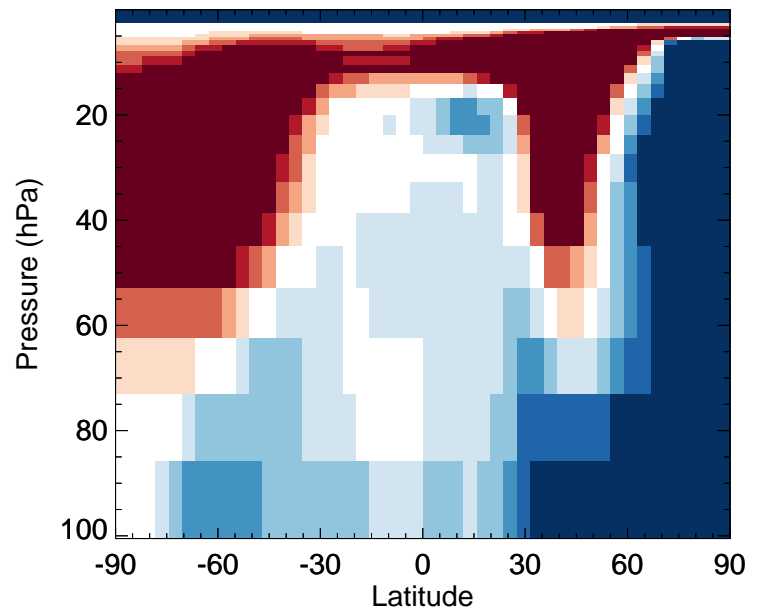
GC\_12.0.0 - v11-02e-Run1

HOCl - Strat zonal mean abs diff for Jan



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

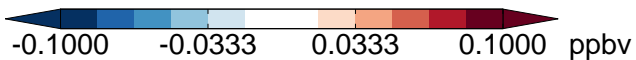
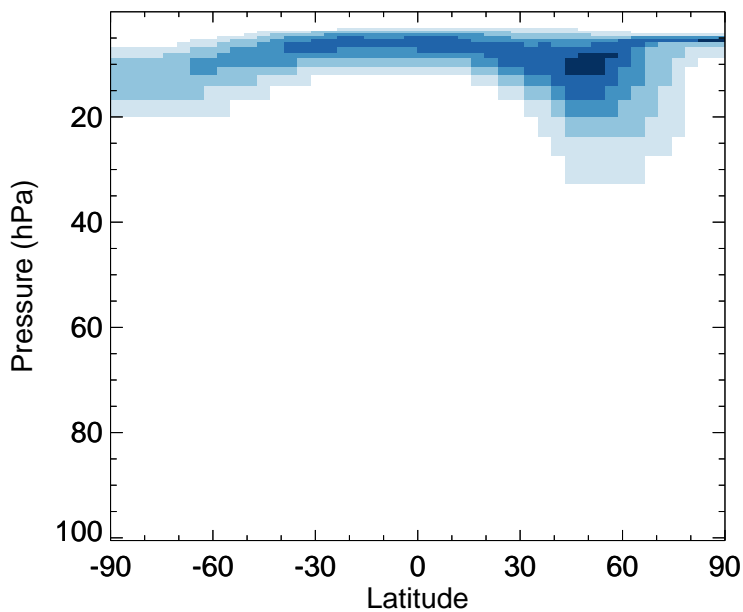
HOCl - Strat zonal mean % diff for Jan



# GEOS-Chem Stratospheric Zonal Difference Maps

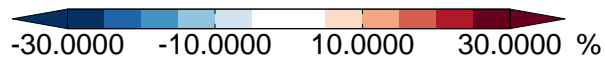
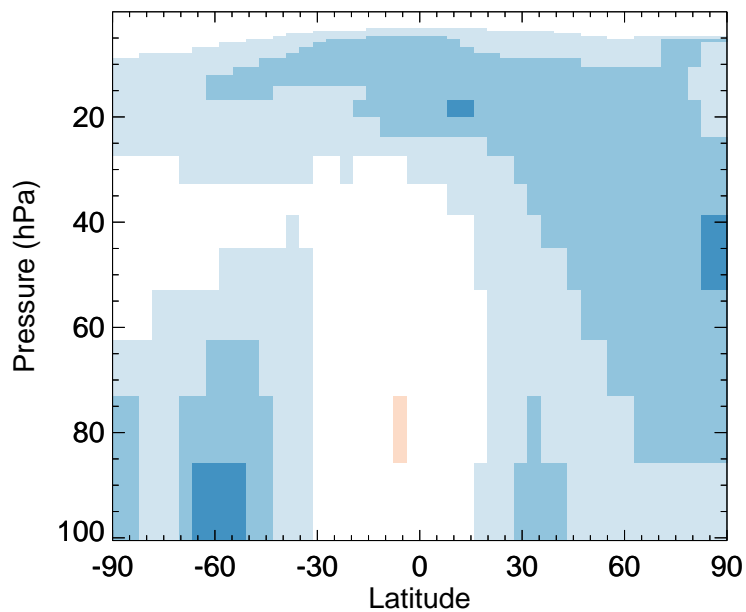
## GC\_12.0.0 - v11-02f-Run1

CINO3 - Strat zonal mean abs diff for Jan



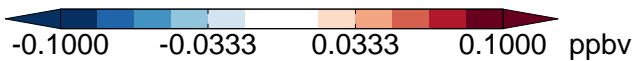
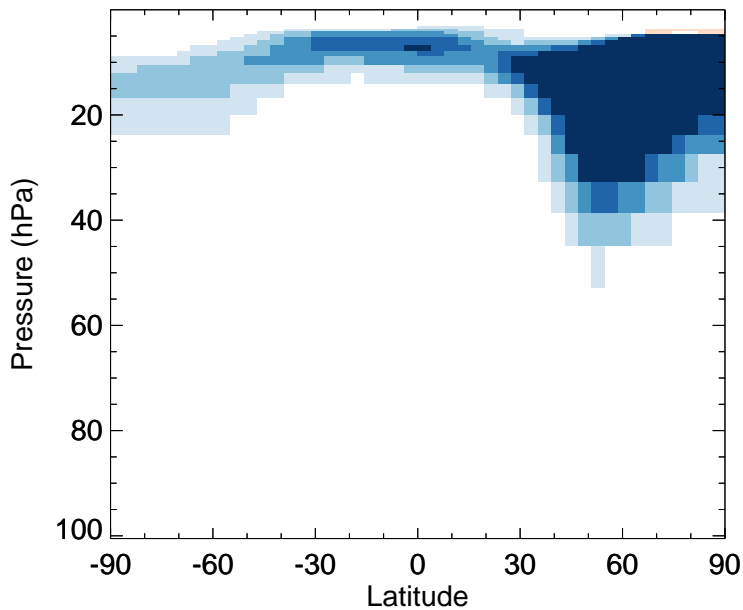
## GC\_12.0.0 / v11-02f-Run1

CINO3 - Strat zonal mean % diff for Jan



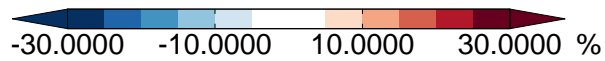
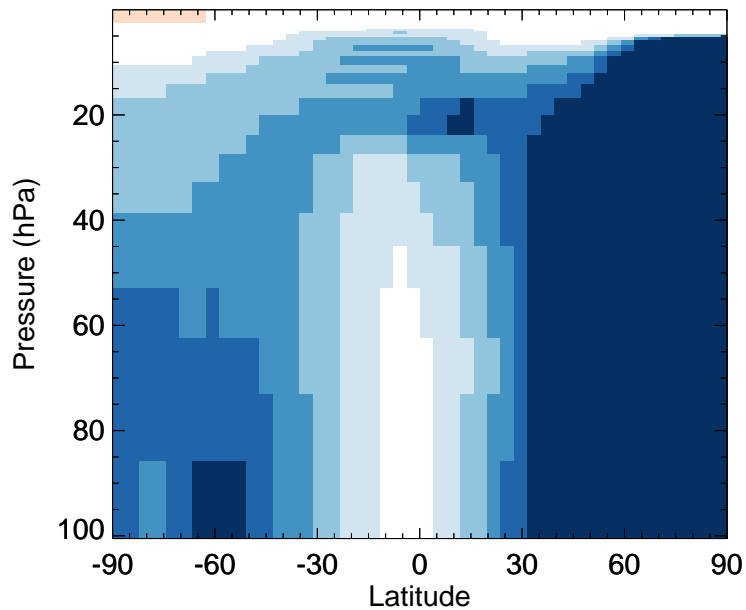
## GC\_12.0.0 - v11-02e-Run1

CINO3 - Strat zonal mean abs diff for Jan



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

CINO3 - Strat zonal mean % diff for Jan



# GEOS-Chem Stratospheric Zonal Difference Maps

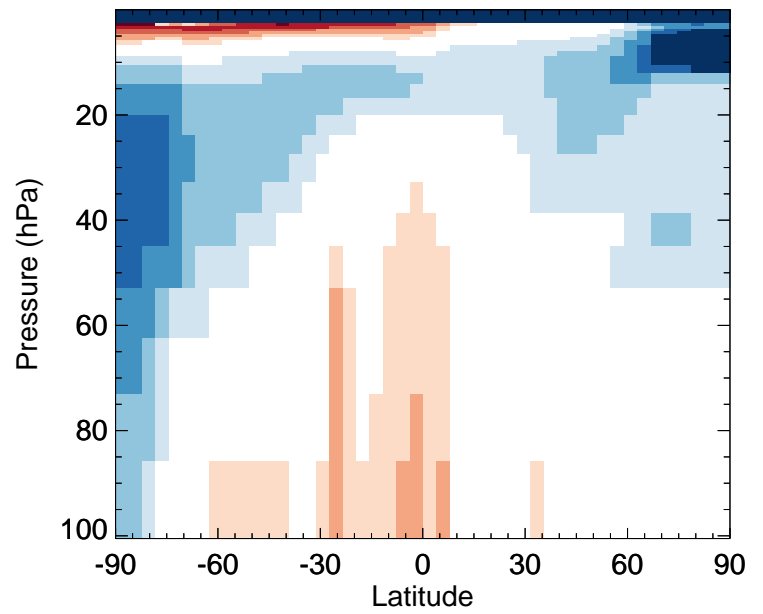
## GC\_12.0.0 - v11-02f-Run1

CINO2 - Strat zonal mean abs diff for Jan



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

CINO2 - Strat zonal mean % diff for Jan



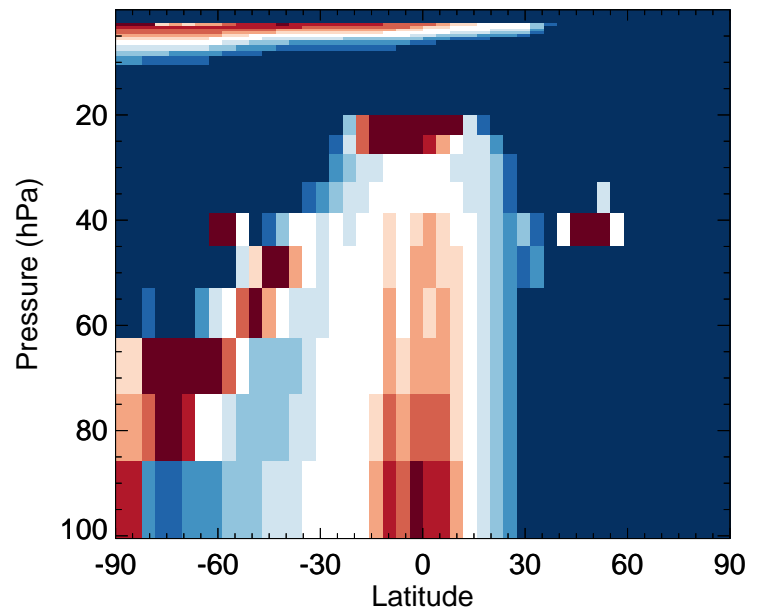
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CINO2 - Strat zonal mean abs diff for Jan



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

CINO2 - Strat zonal mean % diff for Jan

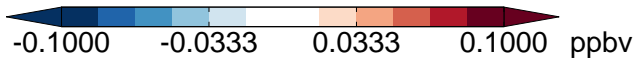




# GEOS-Chem Stratospheric Zonal Difference Maps

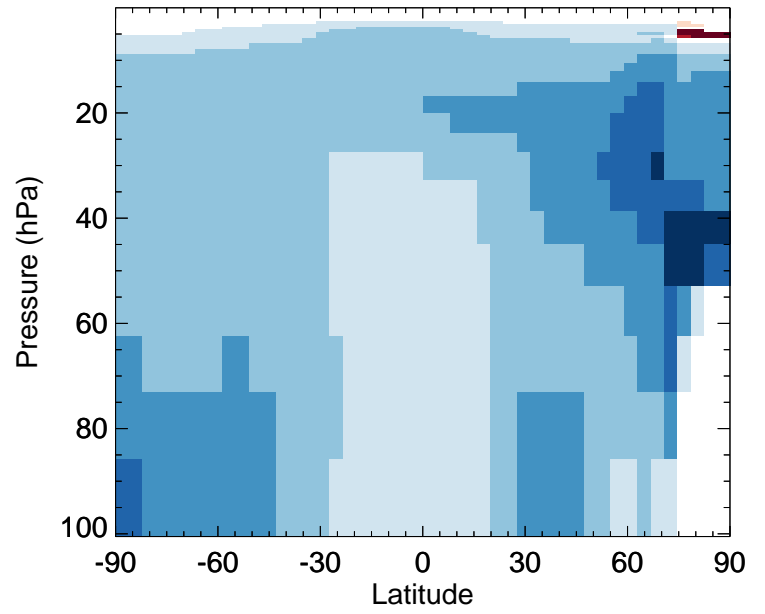
GC\_12.0.0 - v11-02f-Run1

CIOO - Strat zonal mean abs diff for Jan



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

CIOO - Strat zonal mean % diff for Jan



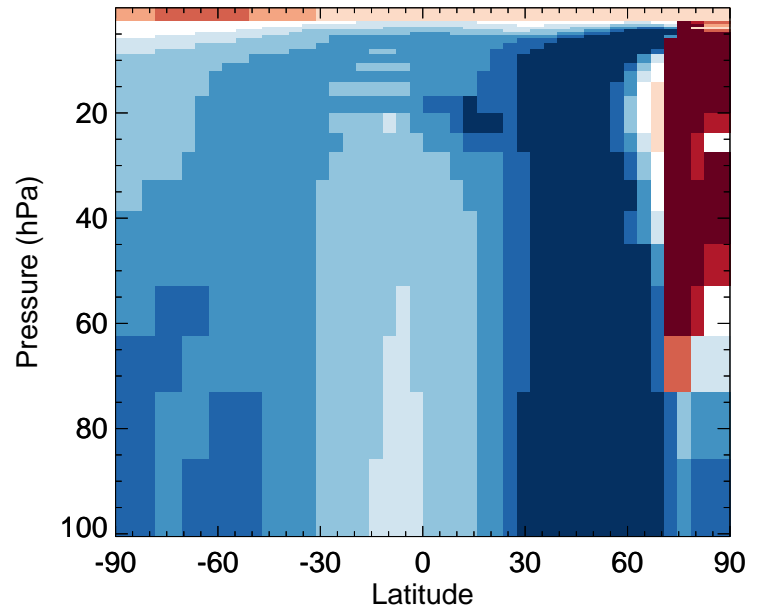
GC\_12.0.0 - v11-02e-Run1

CIOO - Strat zonal mean abs diff for Jan



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

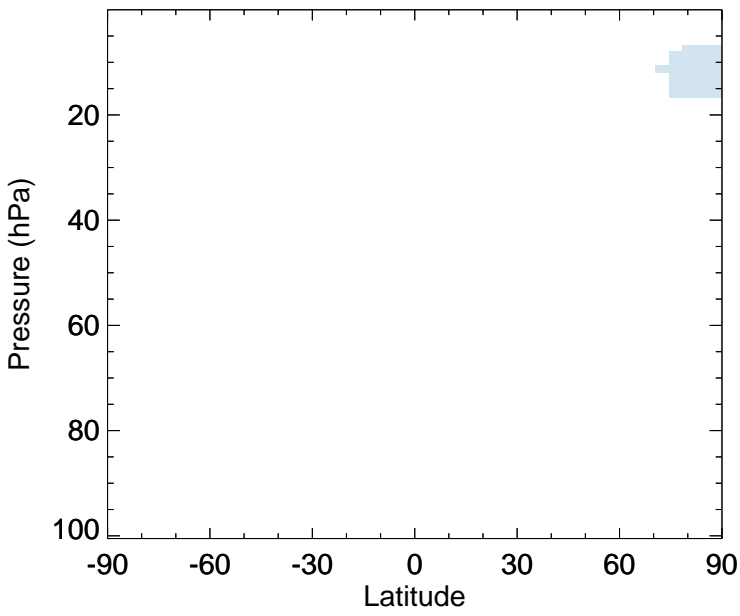
CIOO - Strat zonal mean % diff for Jan



GEOS-Chem Stratospheric Zonal Difference Maps

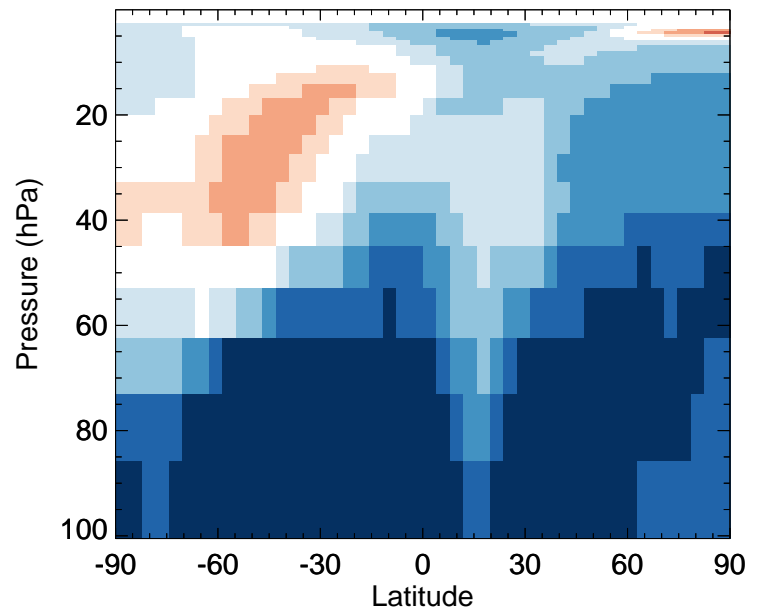
GC\_12.0.0 - v11-02f-Run1

OCIO - Strat zonal mean abs diff for Jan



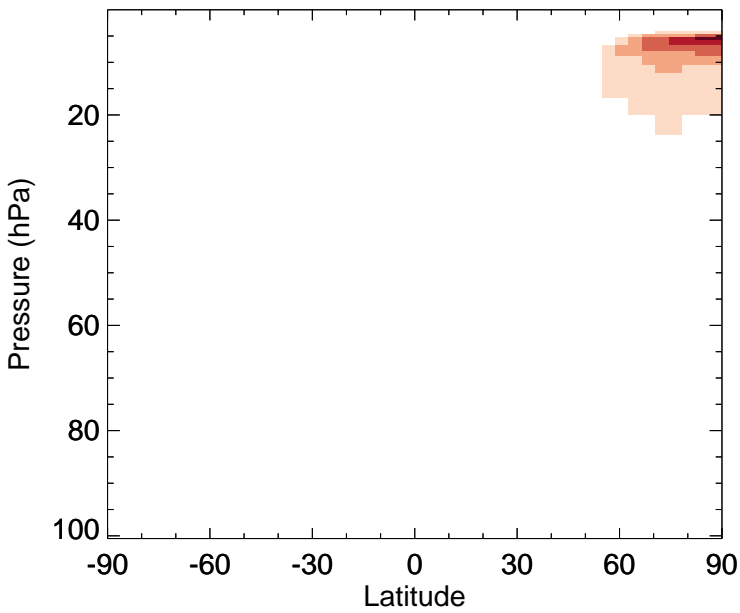
GC\_12.0.0 / v11-02f-Run1

OCIO - Strat zonal mean % diff for Jan



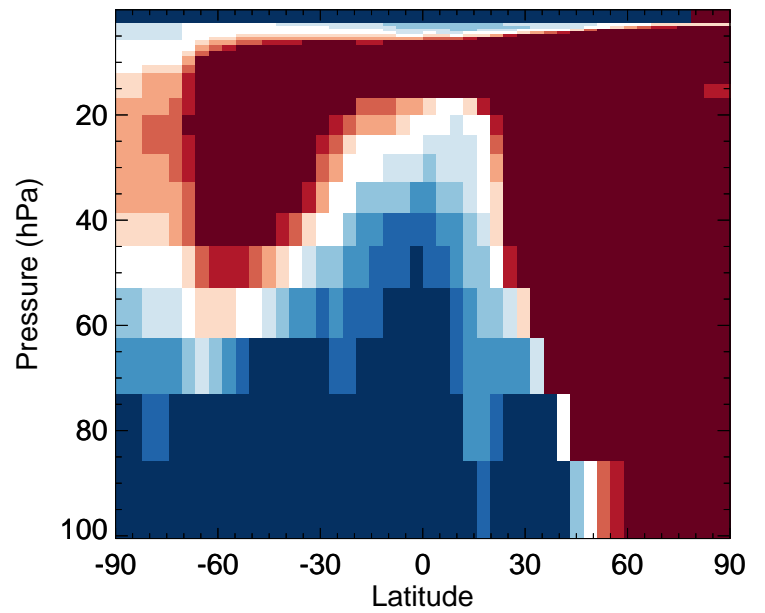
GC\_12.0.0 - v11-02e-Run1

OCIO - Strat zonal mean abs diff for Jan



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

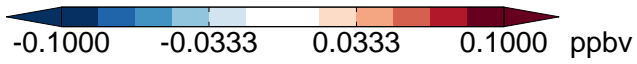
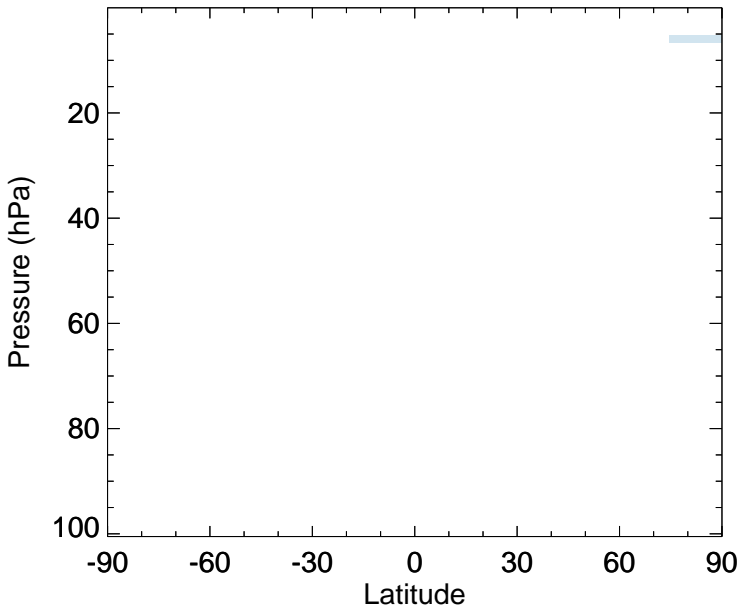
OCIO - Strat zonal mean % diff for Jan



GEOS-Chem Stratospheric Zonal Difference Maps

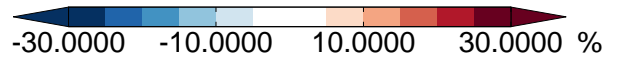
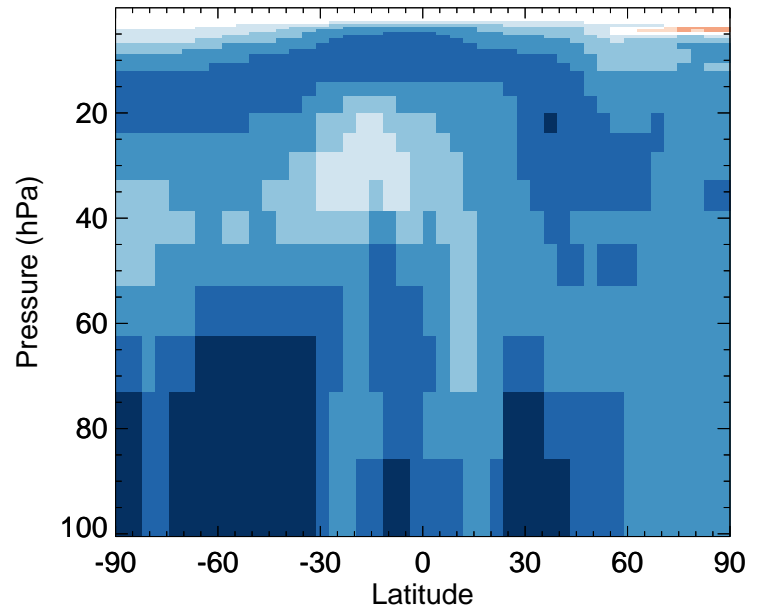
GC\_12.0.0 - v11-02f-Run1

Cl2 - Strat zonal mean abs diff for Jan



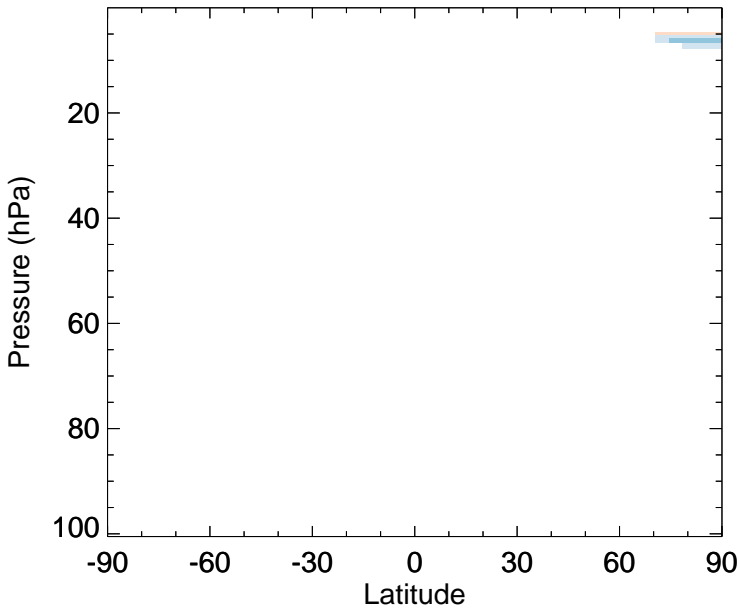
GC\_12.0.0 / v11-02f-Run1

Cl2 - Strat zonal mean % diff for Jan



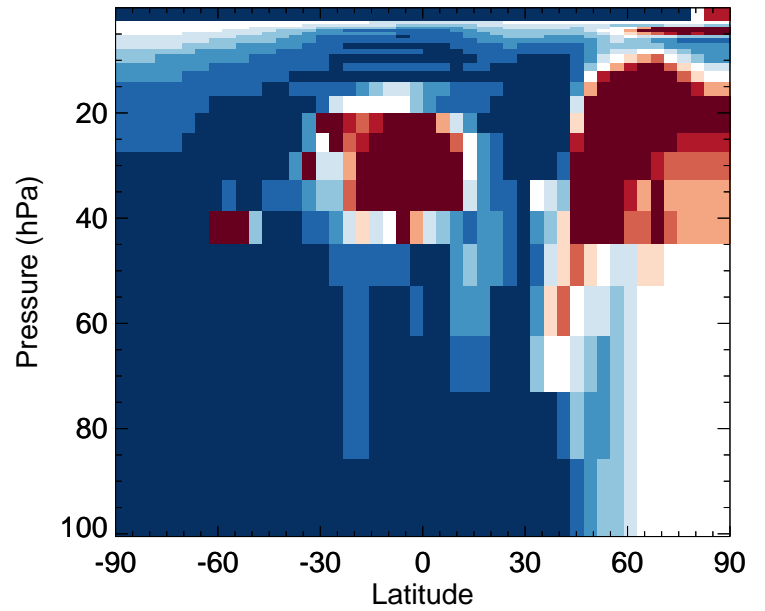
GC\_12.0.0 - v11-02e-Run1

Cl2 - Strat zonal mean abs diff for Jan



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

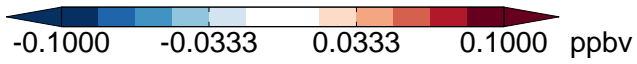
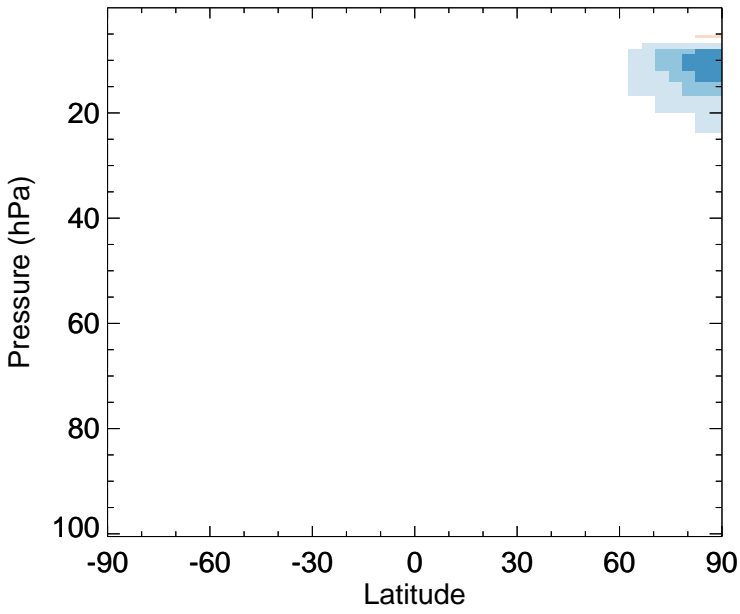
Cl2 - Strat zonal mean % diff for Jan



GEOS-Chem Stratospheric Zonal Difference Maps

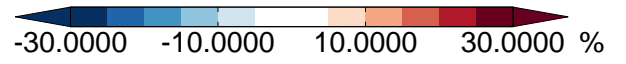
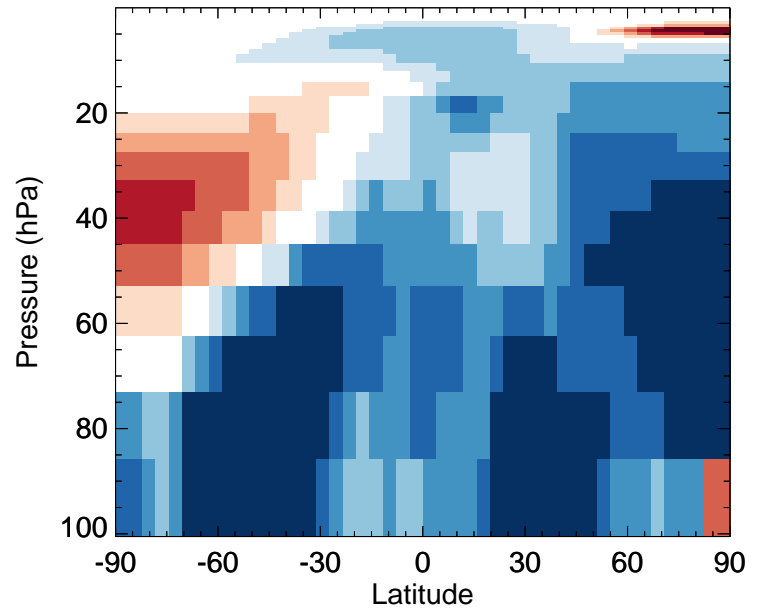
GC\_12.0.0 - v11-02f-Run1

Cl2O2 - Strat zonal mean abs diff for Jan



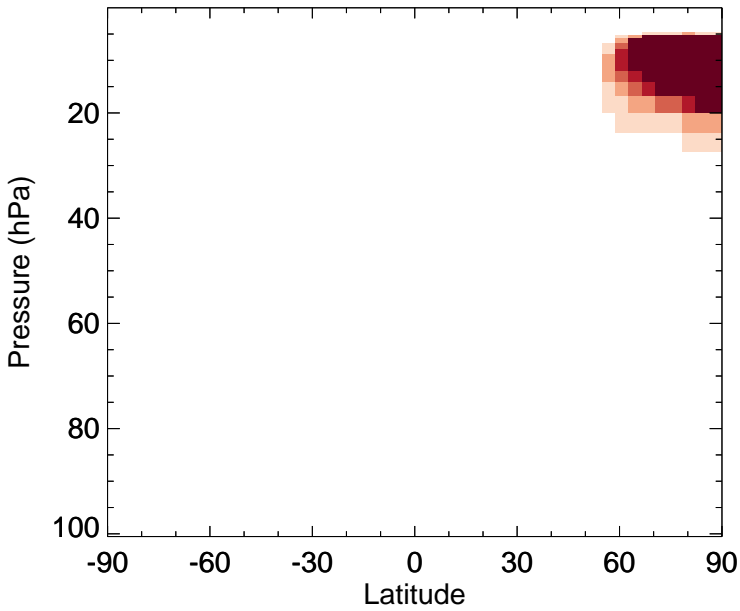
GC\_12.0.0 / v11-02f-Run1

Cl2O2 - Strat zonal mean % diff for Jan



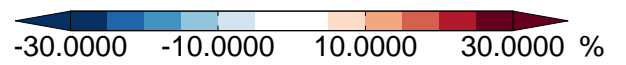
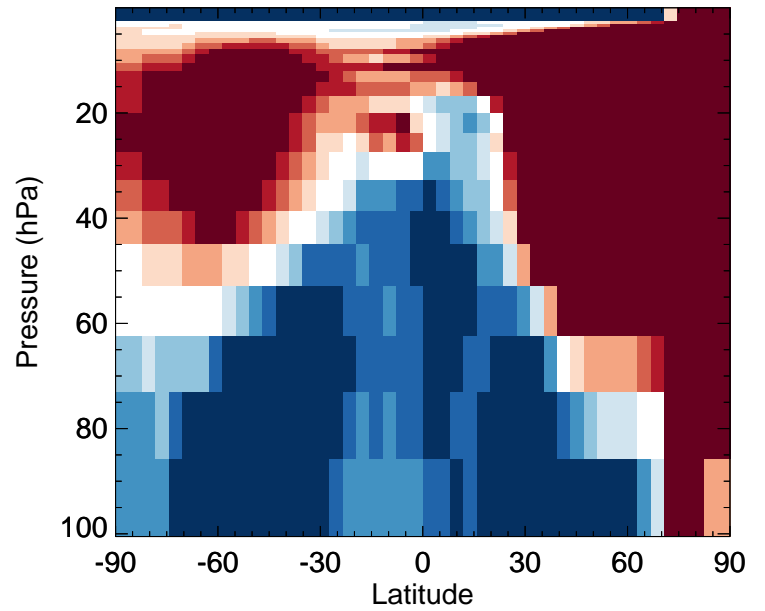
GC\_12.0.0 - v11-02e-Run1

Cl2O2 - Strat zonal mean abs diff for Jan



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

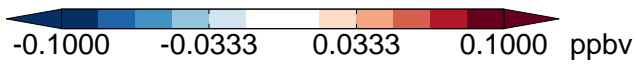
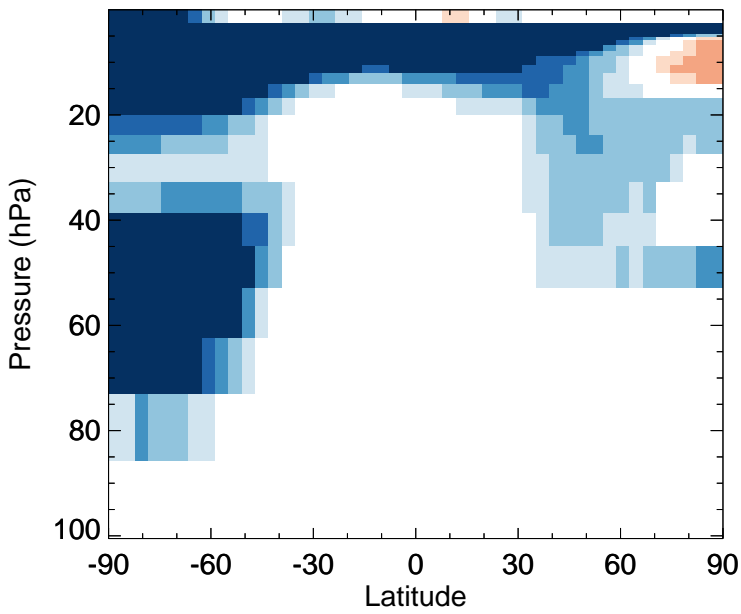
Cl2O2 - Strat zonal mean % diff for Jan



GEOS-Chem Stratospheric Zonal Difference Maps

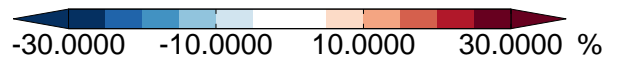
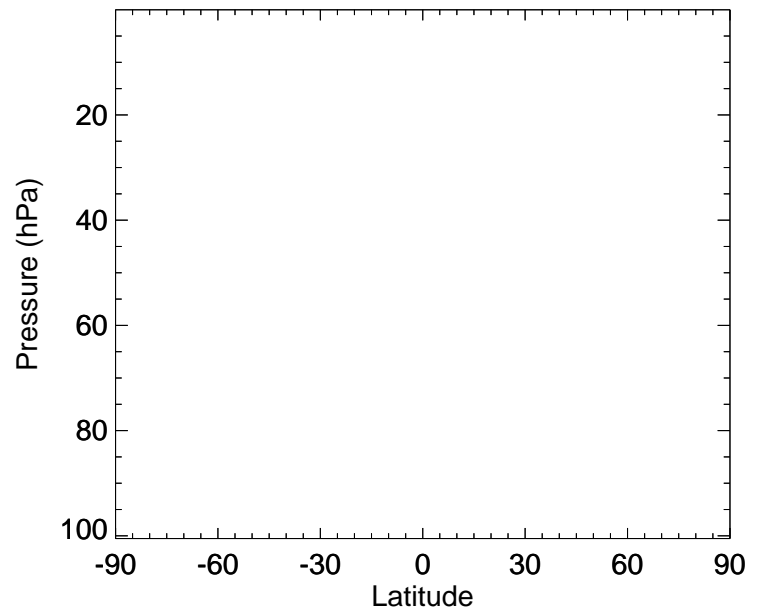
GC\_12.0.0 - v11-02f-Run1

H2O - Strat zonal mean abs diff for Jan



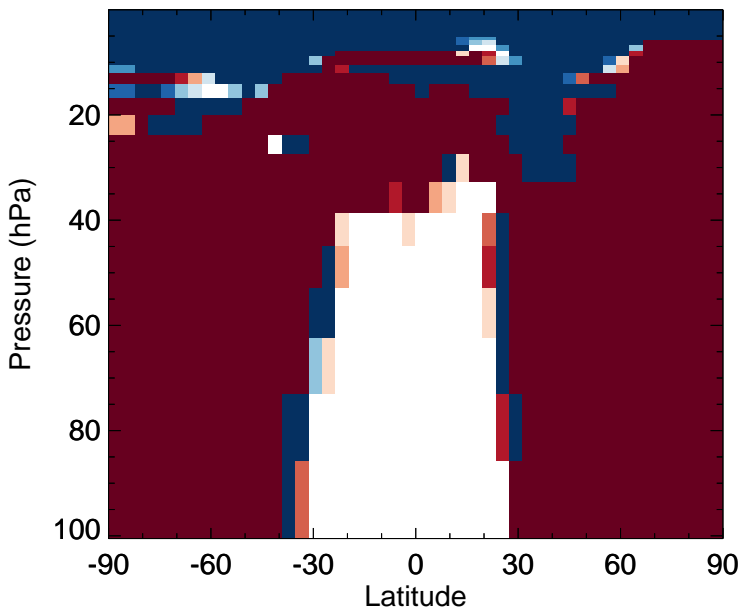
GC\_12.0.0 / v11-02f-Run1

H2O - Strat zonal mean % diff for Jan



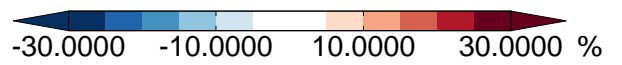
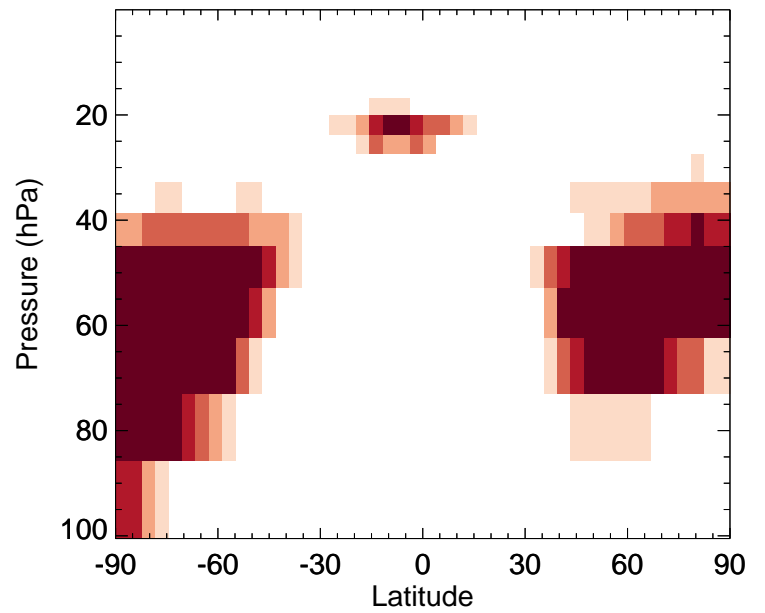
GC\_12.0.0 - v11-02e-Run1

H2O - Strat zonal mean abs diff for Jan



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

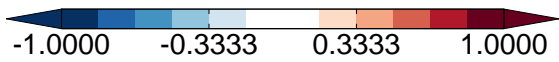
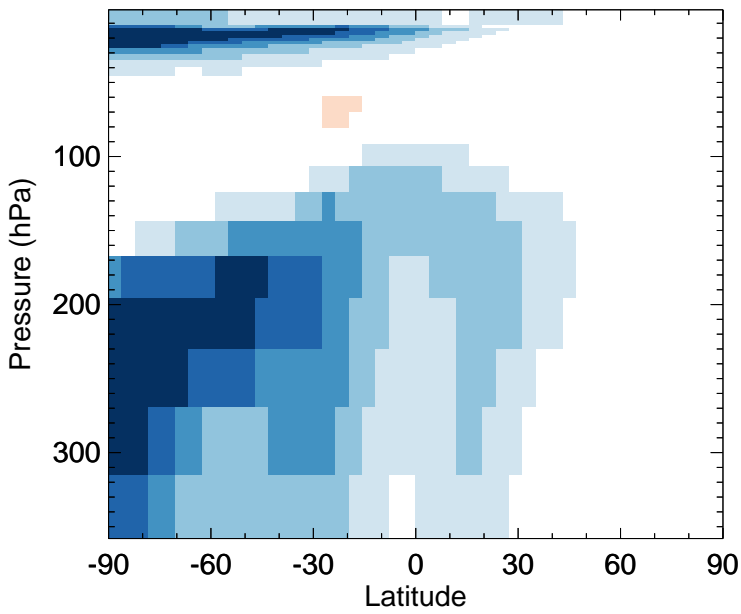
H2O - Strat zonal mean % diff for Jan



# GEOS-Chem Stratospheric Zonal Difference Maps

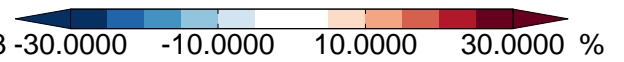
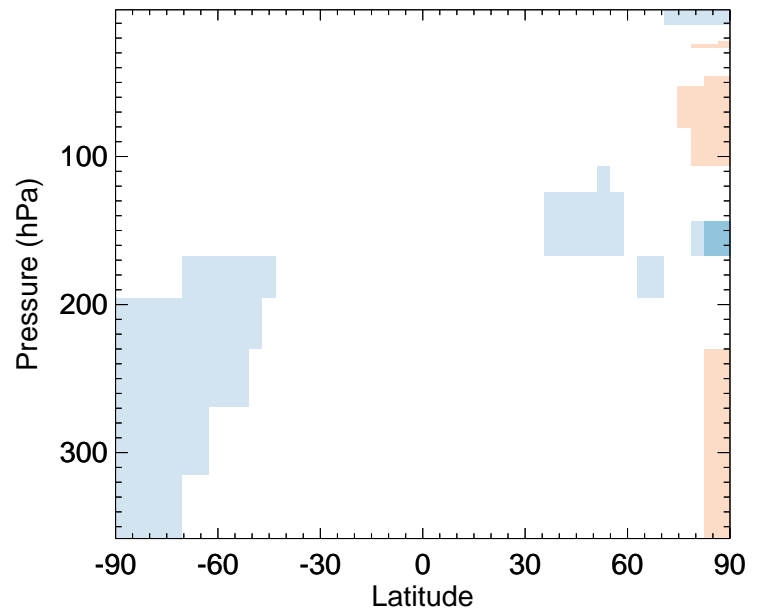
## GC\_12.0.0 - v11-02f-Run1

OH - Strat zonal mean abs diff for Jan



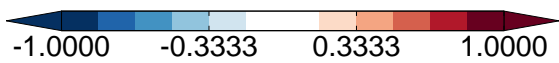
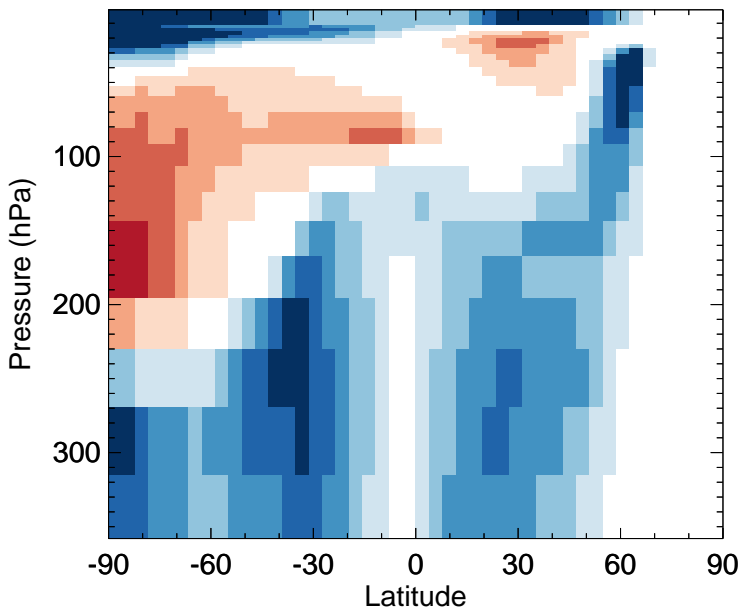
## GC\_12.0.0 / v11-02f-Run1

OH - Strat zonal mean % diff for Jan



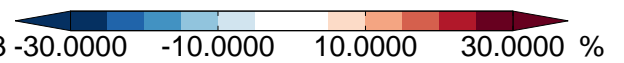
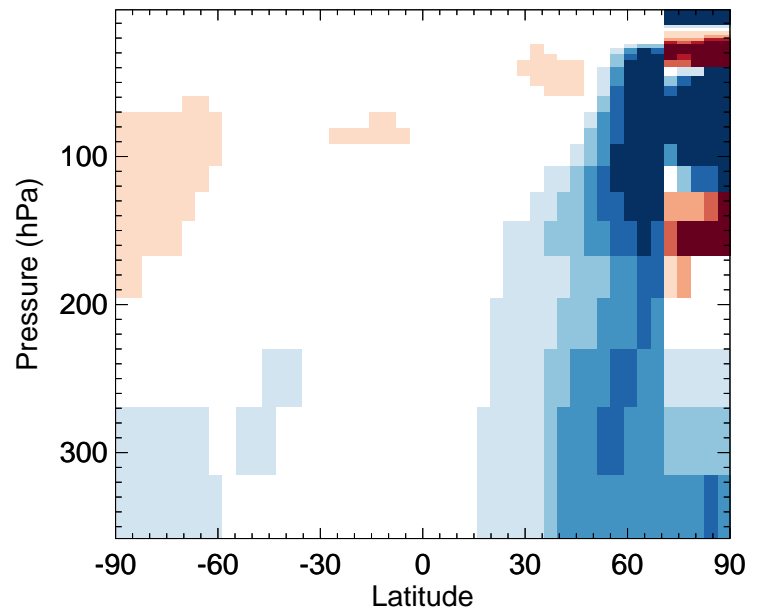
## GC\_12.0.0 - v11-02e-Run1

OH - Strat zonal mean abs diff for Jan



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

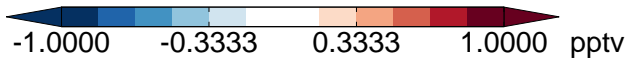
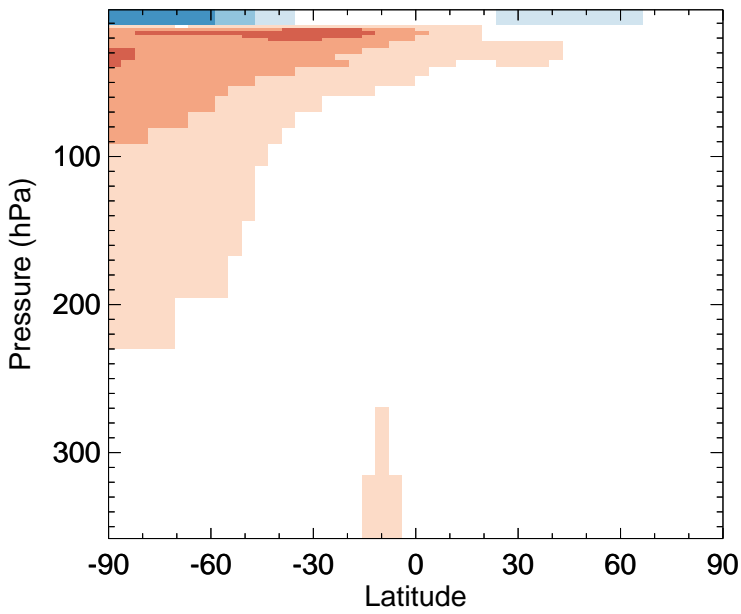
OH - Strat zonal mean % diff for Jan



GEOS-Chem Stratospheric Zonal Difference Maps

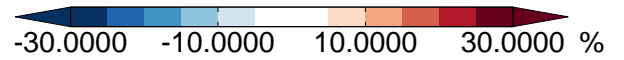
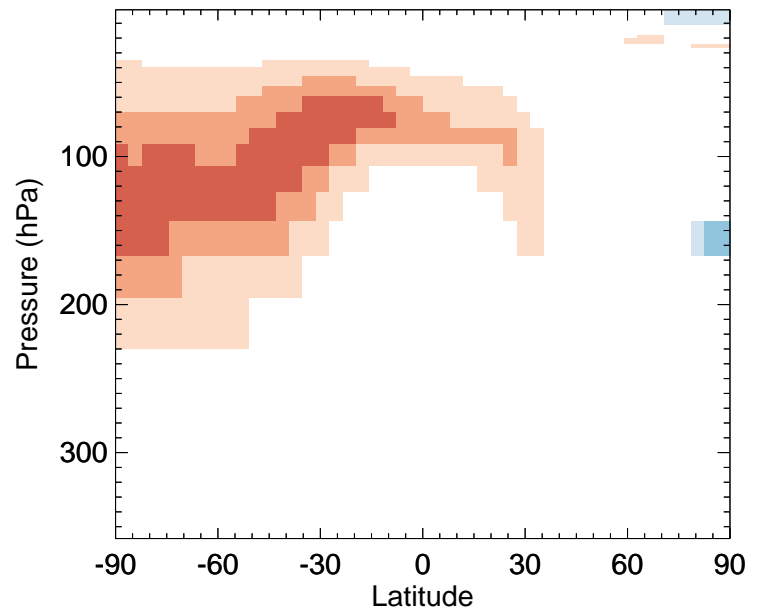
GC\_12.0.0 - v11-02f-Run1

HO2 - Strat zonal mean abs diff for Jan



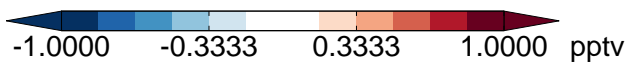
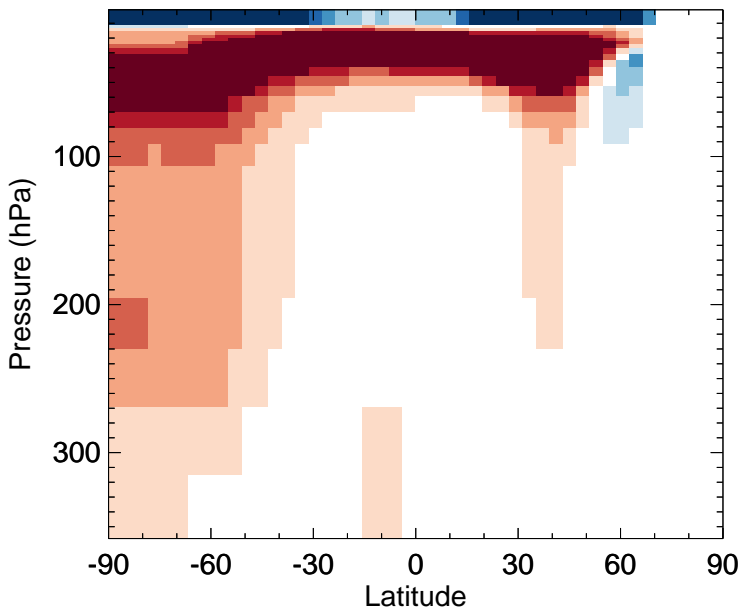
GC\_12.0.0 / v11-02f-Run1

HO2 - Strat zonal mean % diff for Jan



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

HO2 - Strat zonal mean abs diff for Jan



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

HO2 - Strat zonal mean % diff for Jan

