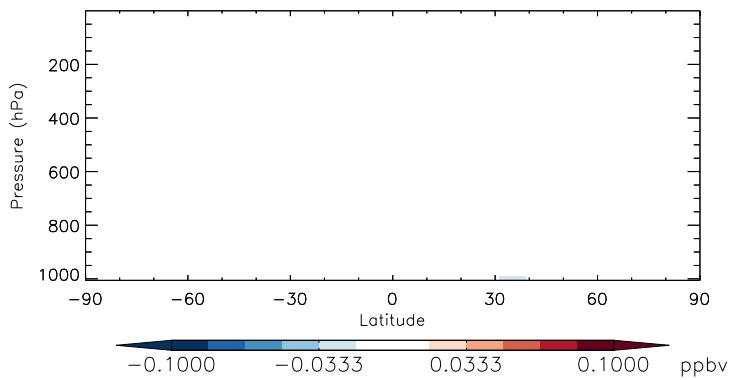


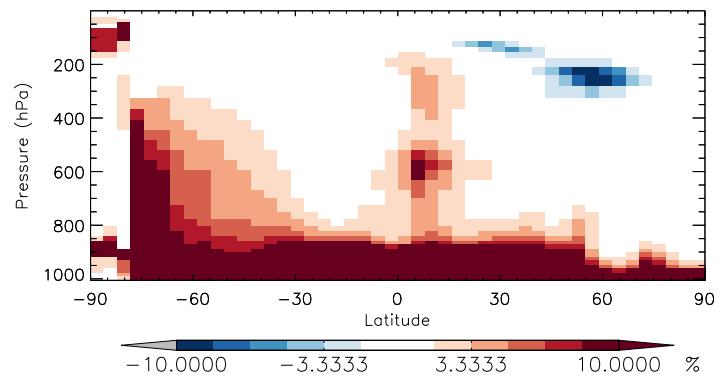
GEOS-Chem v9–02l Zonal differences

ctm.bpch.v9–02l – ctm.bpch.v9–02k

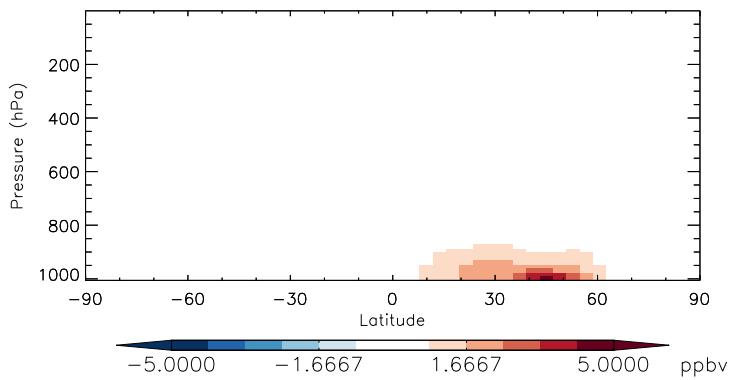
Zonal mean abs diff: NO



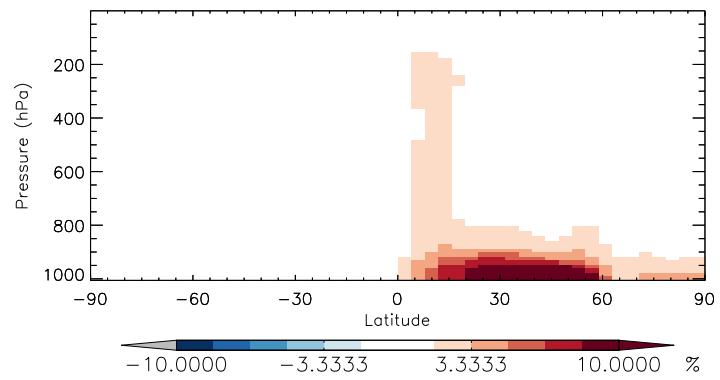
Zonal mean % diff: NO



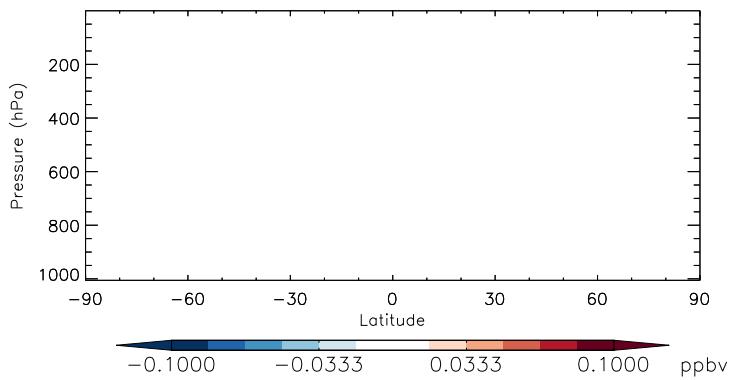
Zonal mean abs diff: O3



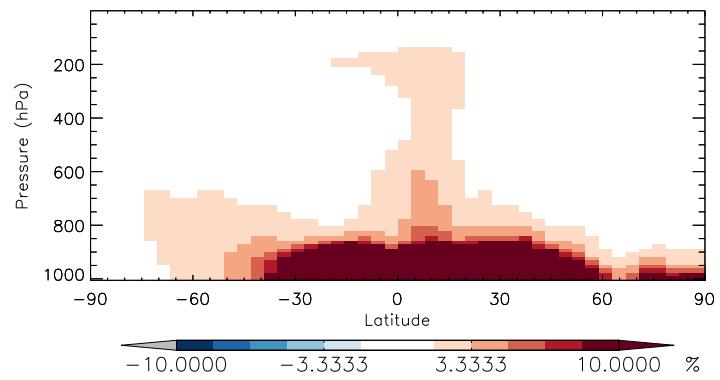
Zonal mean % diff: O3



Zonal mean abs diff: PAN



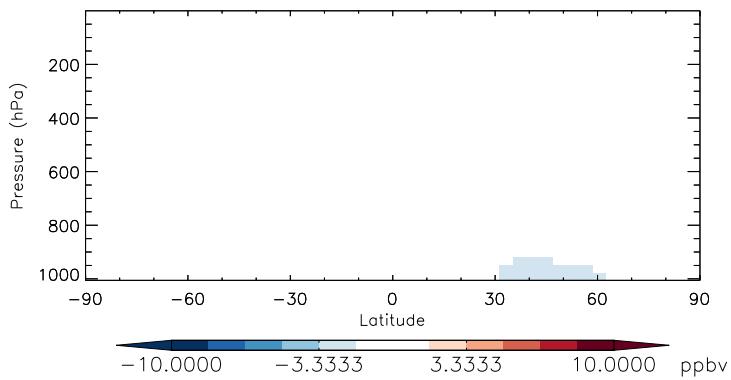
Zonal mean % diff: PAN



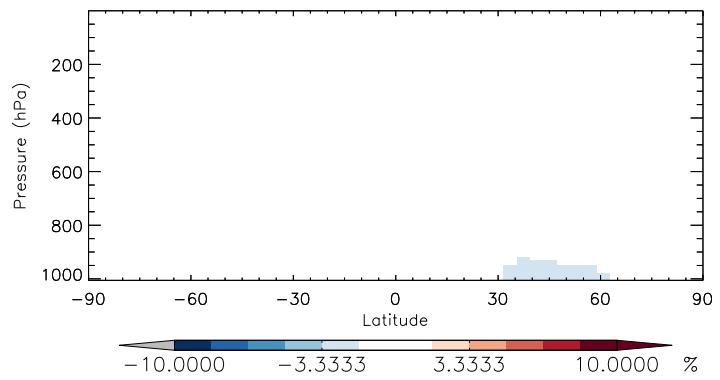
GEOS-Chem v9–02l Zonal differences

ctm.bpch.v9–02l – ctm.bpch.v9–02k

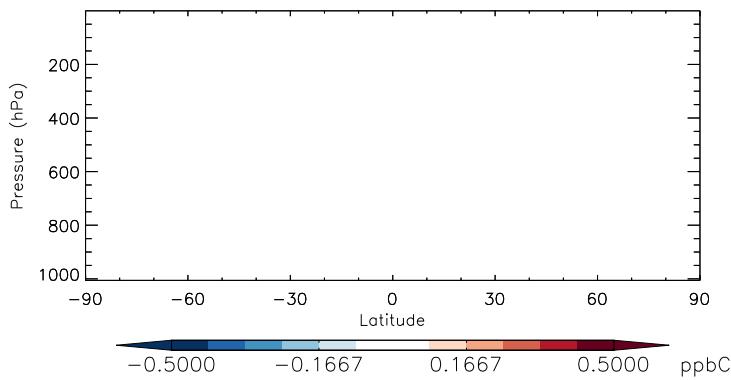
Zonal mean abs diff: CO



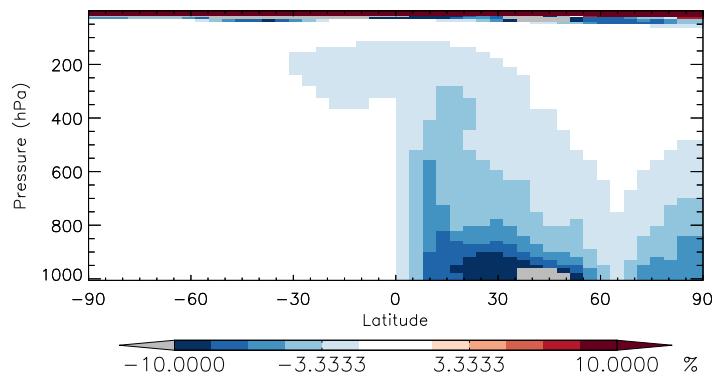
Zonal mean % diff: CO



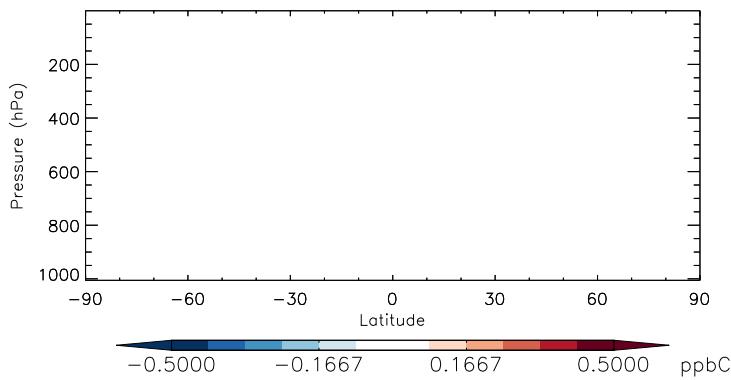
Zonal mean abs diff: ALK4



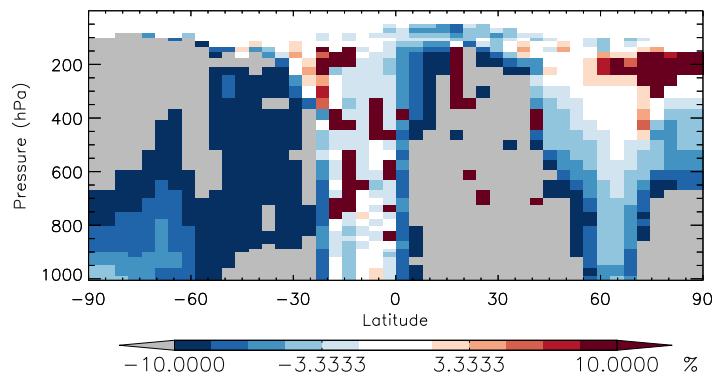
Zonal mean % diff: ALK4



Zonal mean abs diff: ISOP

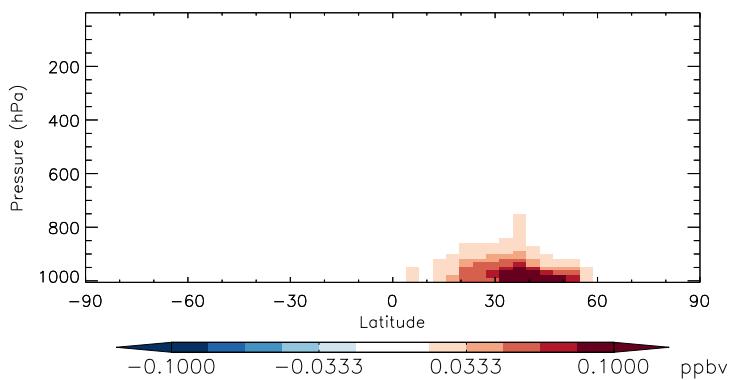
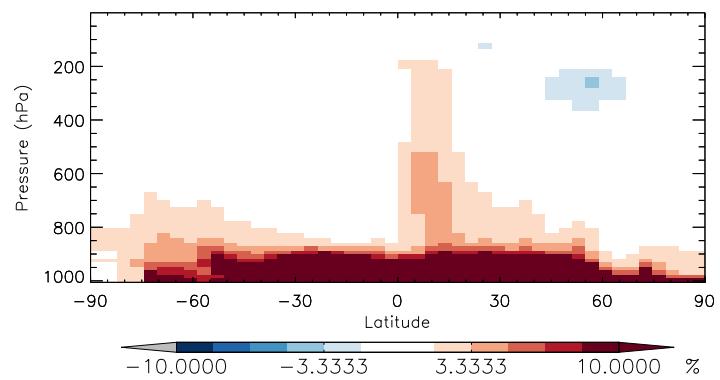
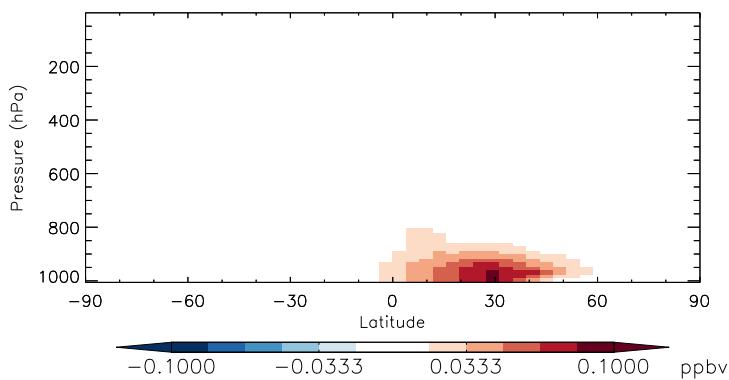
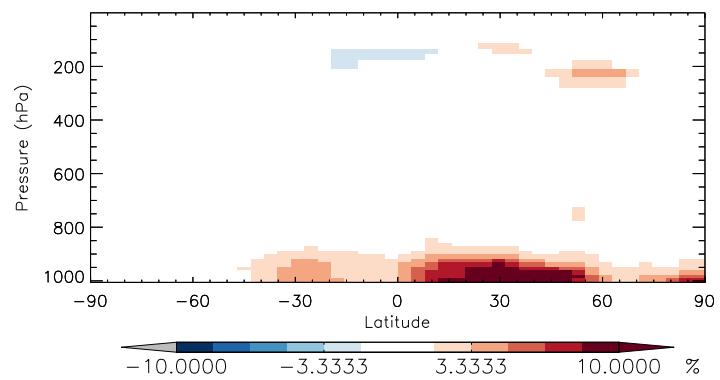


Zonal mean % diff: ISOP

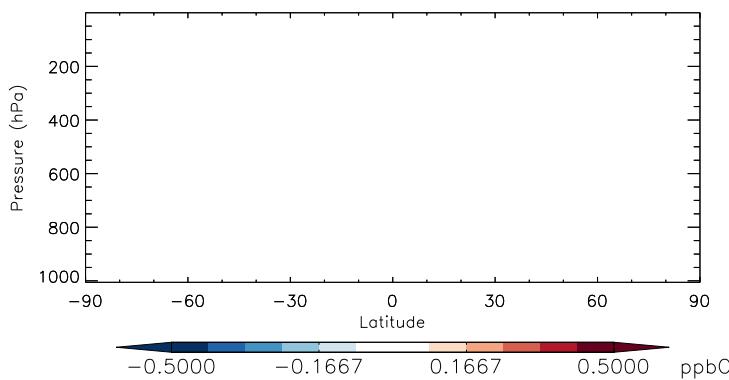


GEOS-Chem v9–02l Zonal differences

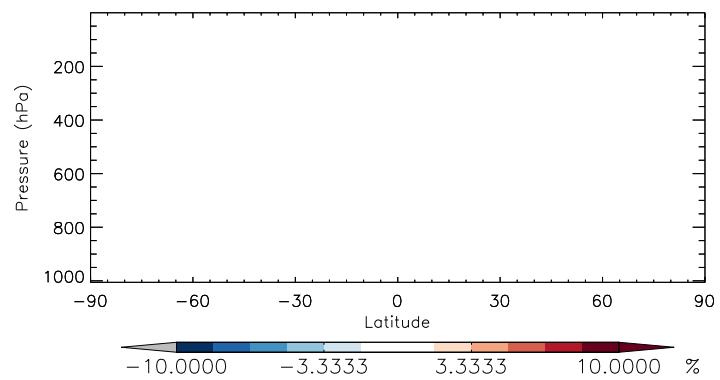
ctm.bpch.v9–02l – ctm.bpch.v9–02k

Zonal mean abs diff: HNO₃Zonal mean % diff: HNO₃Zonal mean abs diff: H₂O₂Zonal mean % diff: H₂O₂

Zonal mean abs diff: ACET



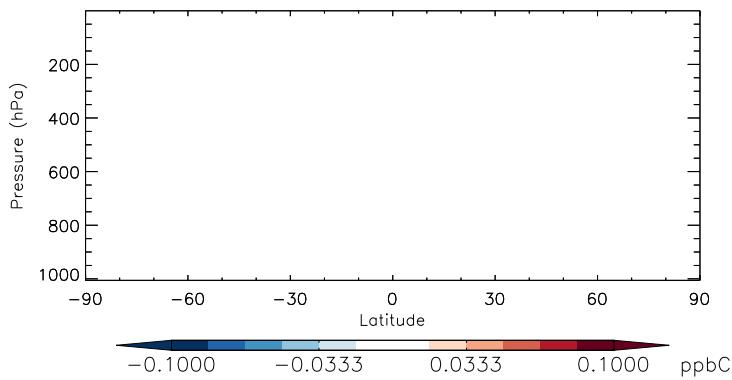
Zonal mean % diff: ACET



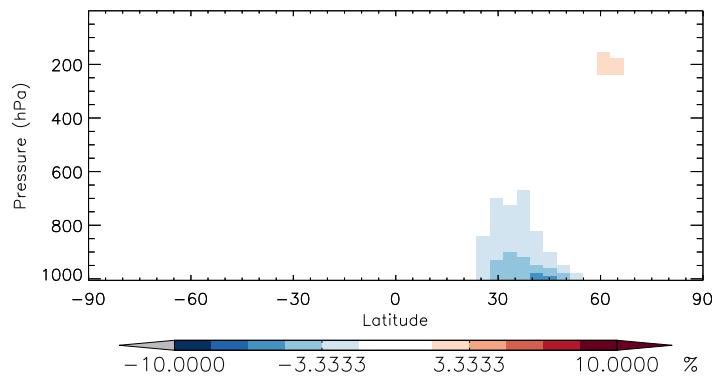
GEOS-Chem v9–02l Zonal differences

ctm.bpch.v9–02l – ctm.bpch.v9–02k

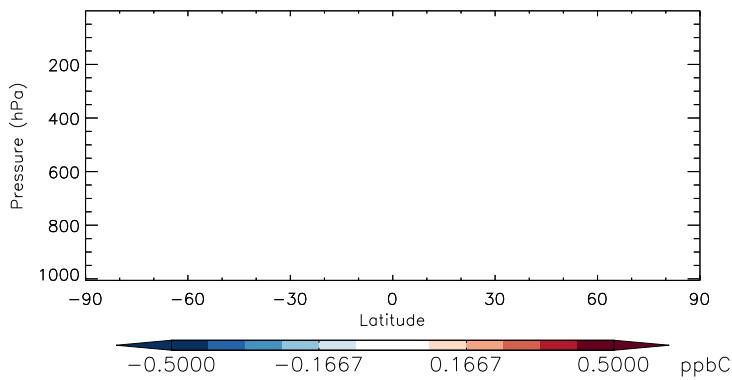
Zonal mean abs diff: MEK



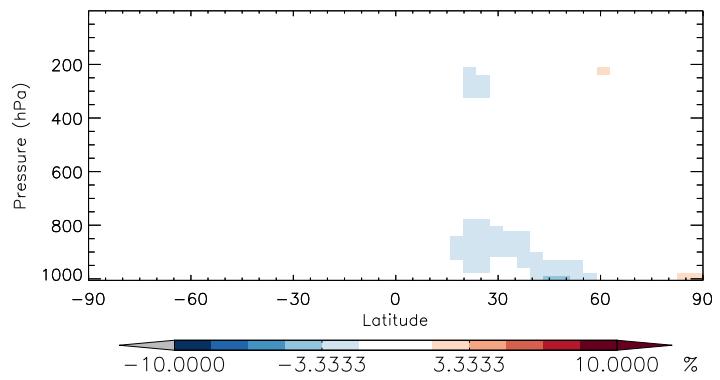
Zonal mean % diff: MEK



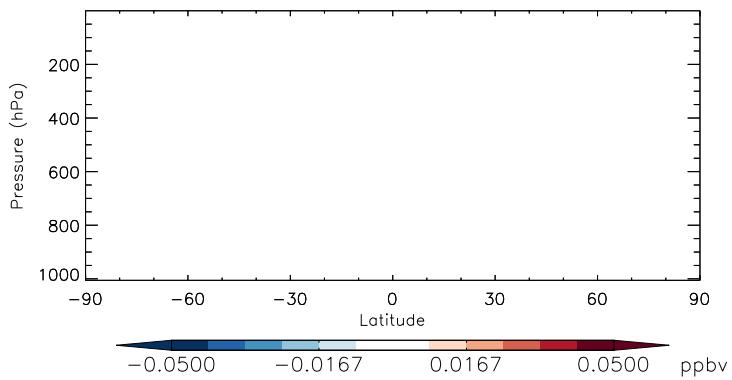
Zonal mean abs diff: ALD2



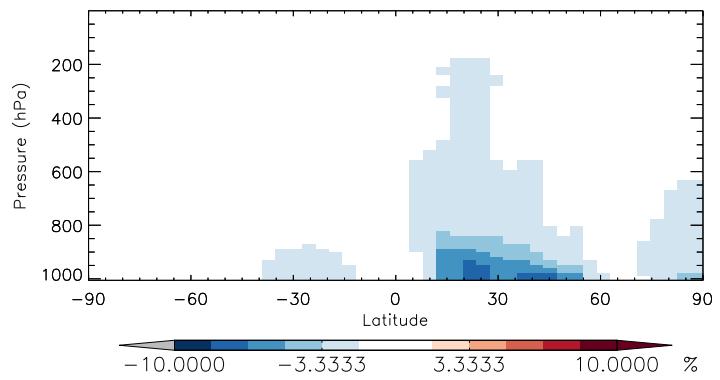
Zonal mean % diff: ALD2



Zonal mean abs diff: RCHO



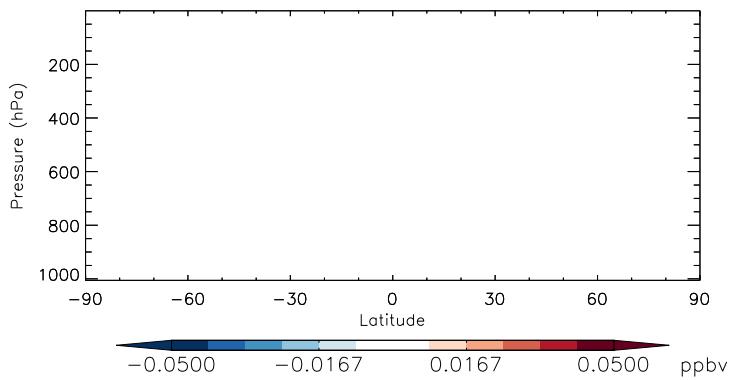
Zonal mean % diff: RCHO



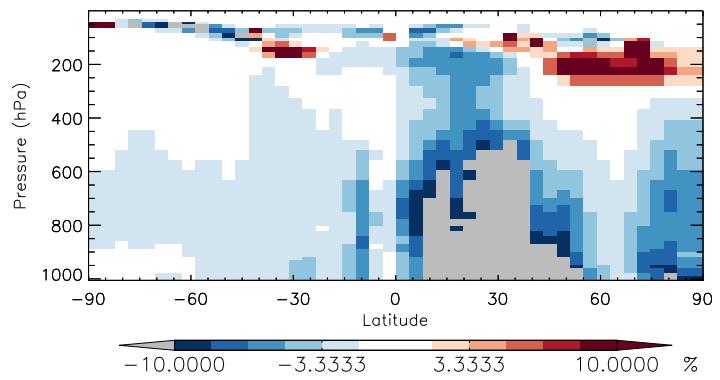
GEOS-Chem v9–02l Zonal differences

ctm.bpch.v9–02l – ctm.bpch.v9–02k

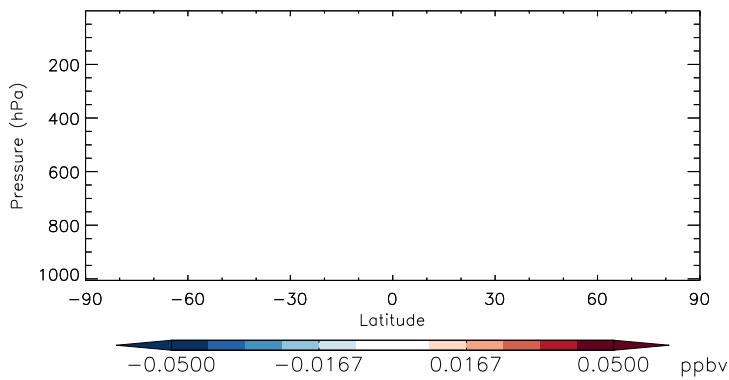
Zonal mean abs diff: MVK



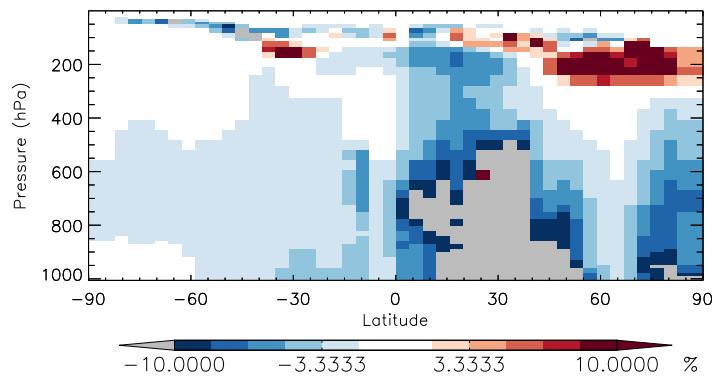
Zonal mean % diff: MVK



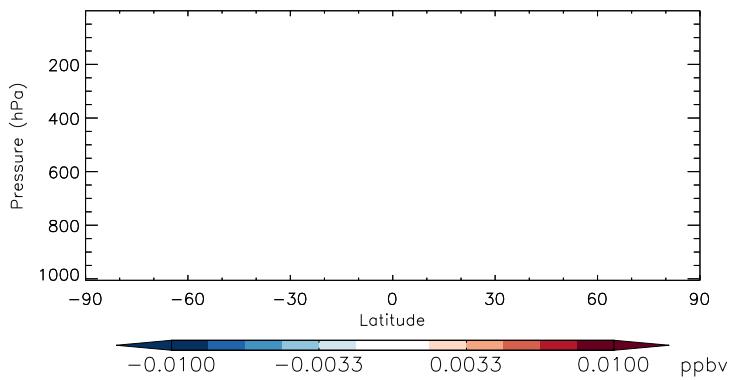
Zonal mean abs diff: MACR



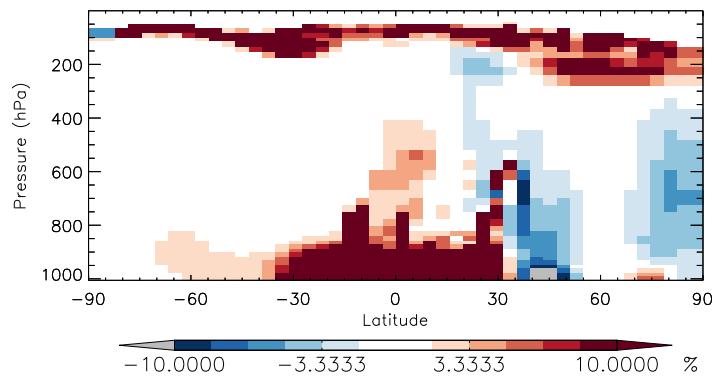
Zonal mean % diff: MACR



Zonal mean abs diff: PMN



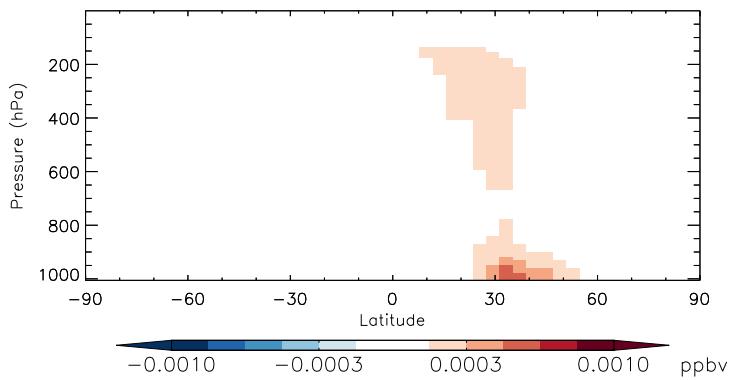
Zonal mean % diff: PMN



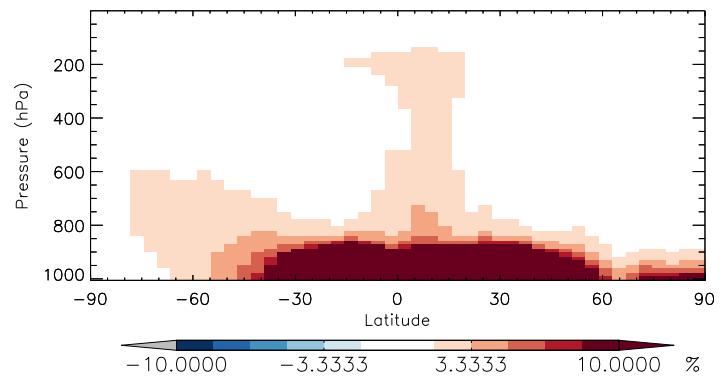
GEOS-Chem v9–02l Zonal differences

ctm.bpch.v9–02l – ctm.bpch.v9–02k

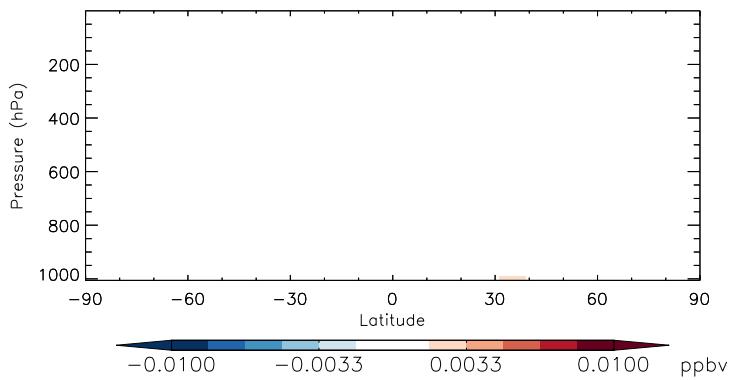
Zonal mean abs diff: PPN



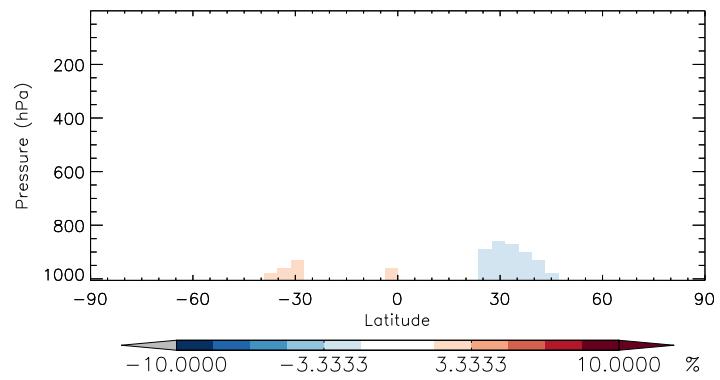
Zonal mean % diff: PPN



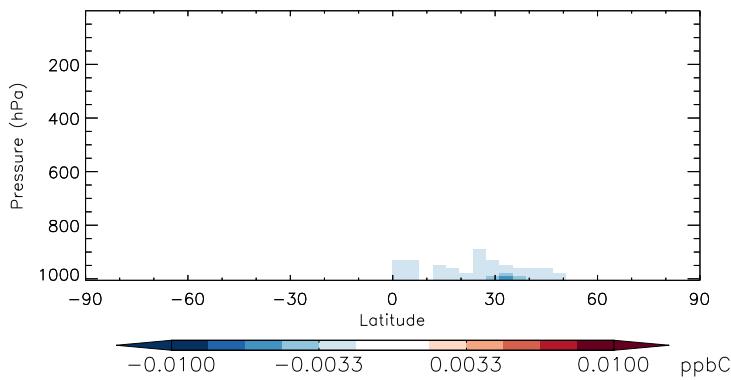
Zonal mean abs diff: R4N2



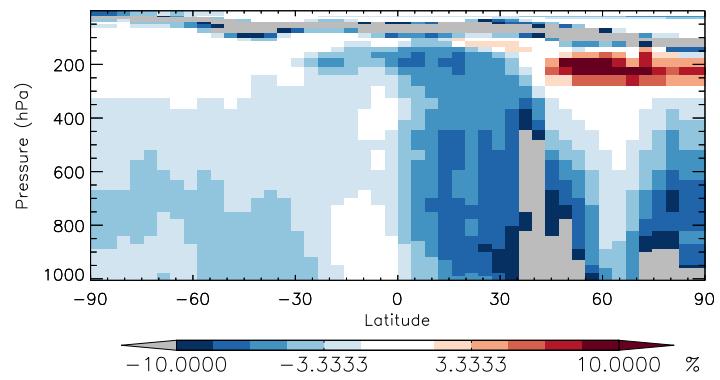
Zonal mean % diff: R4N2



Zonal mean abs diff: PRPE



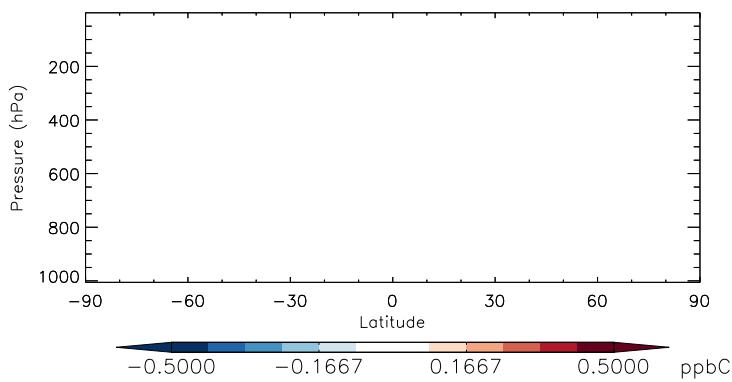
Zonal mean % diff: PRPE



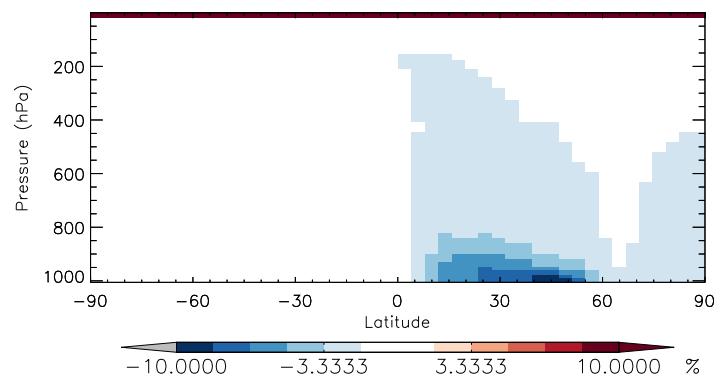
GEOS-Chem v9–02l Zonal differences

ctm.bpch.v9–02l – ctm.bpch.v9–02k

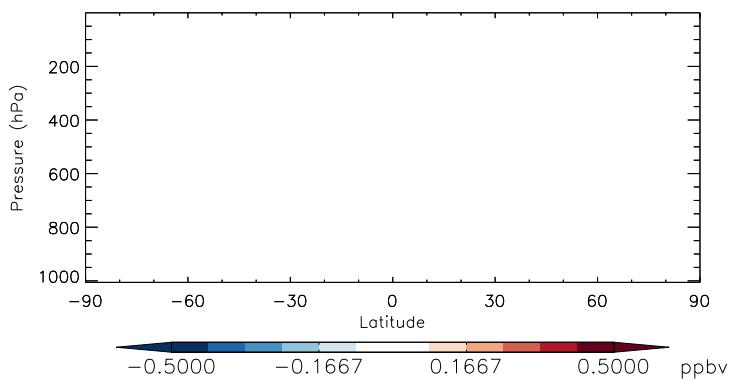
Zonal mean abs diff: C3H8



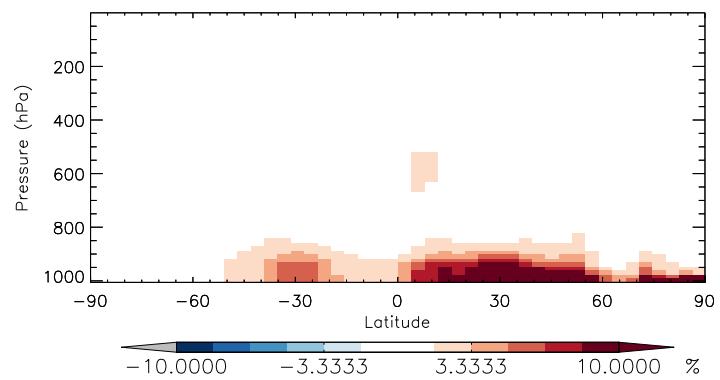
Zonal mean % diff: C3H8



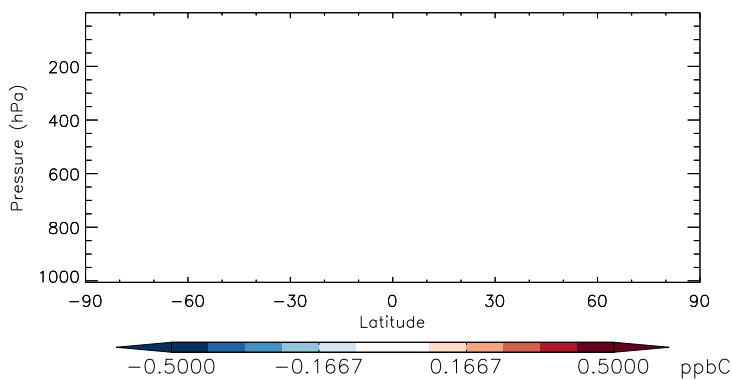
Zonal mean abs diff: CH20



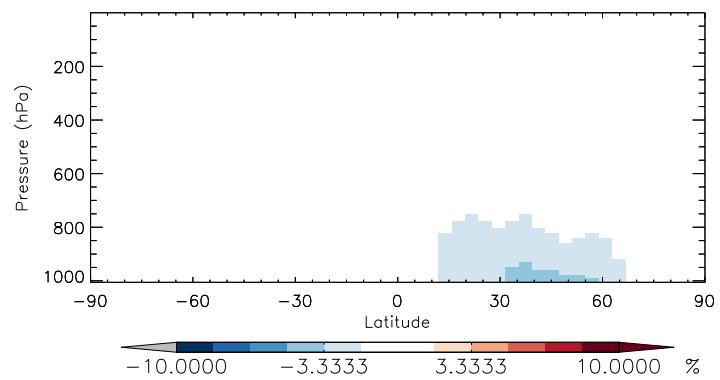
Zonal mean % diff: CH20



Zonal mean abs diff: C2H6



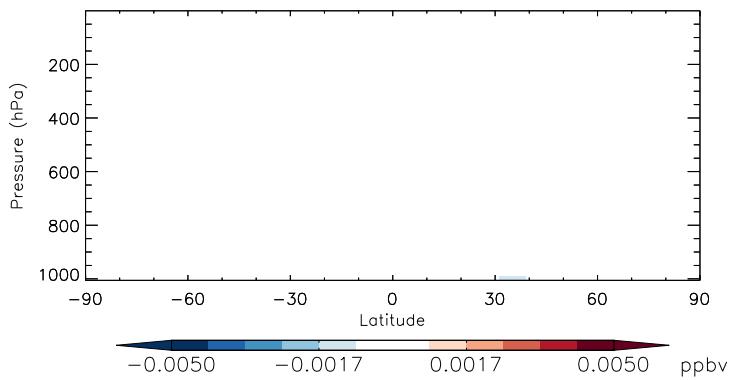
Zonal mean % diff: C2H6



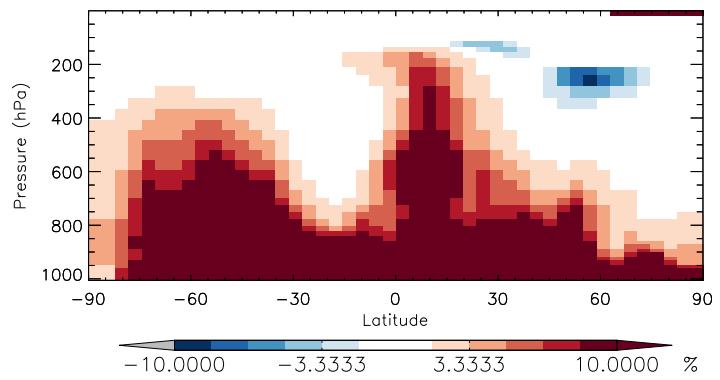
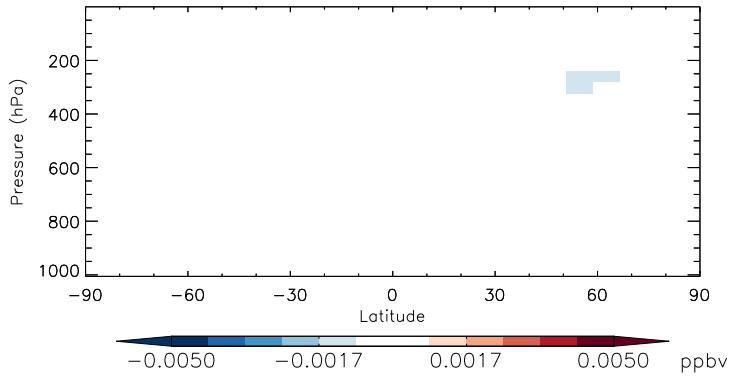
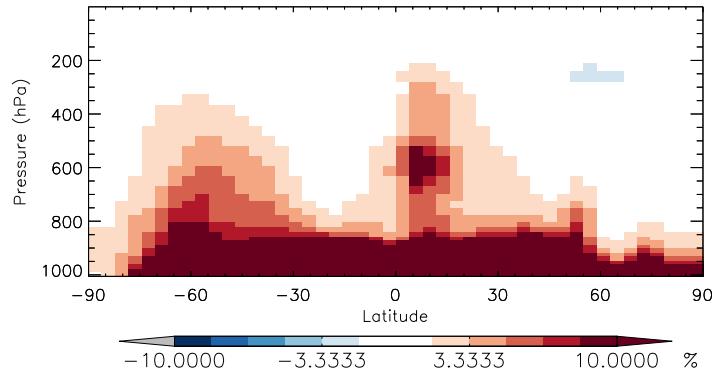
GEOS-Chem v9–02l Zonal differences

ctm.bpch.v9–02l – ctm.bpch.v9–02k

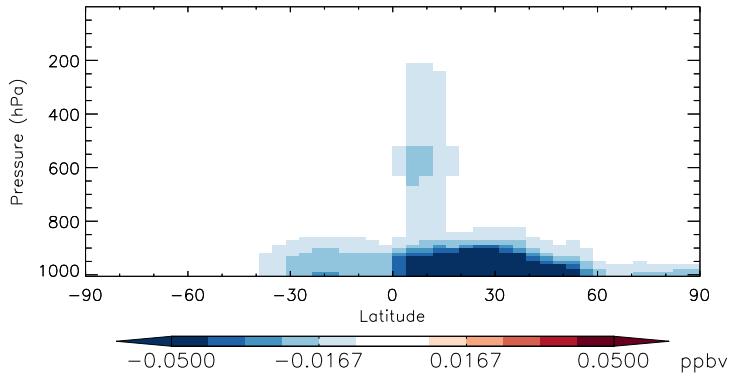
Zonal mean abs diff: N205



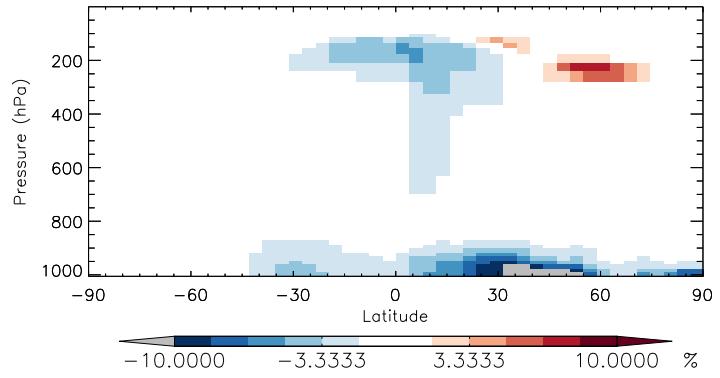
Zonal mean % diff: N205

Zonal mean abs diff: HNO₄Zonal mean % diff: HNO₄

Zonal mean abs diff: MP



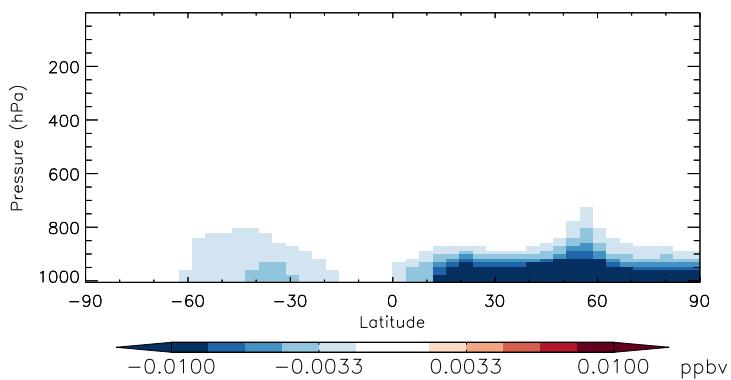
Zonal mean % diff: MP



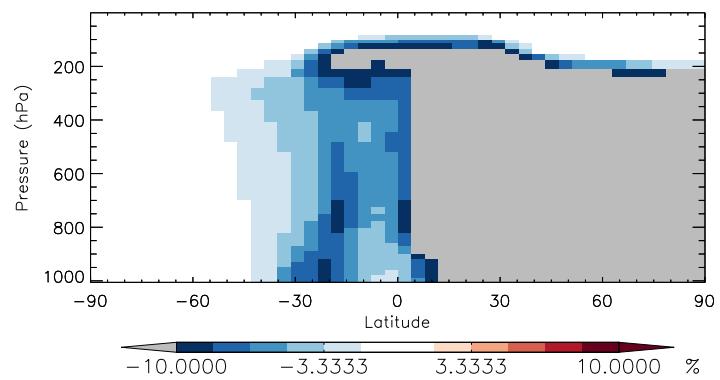
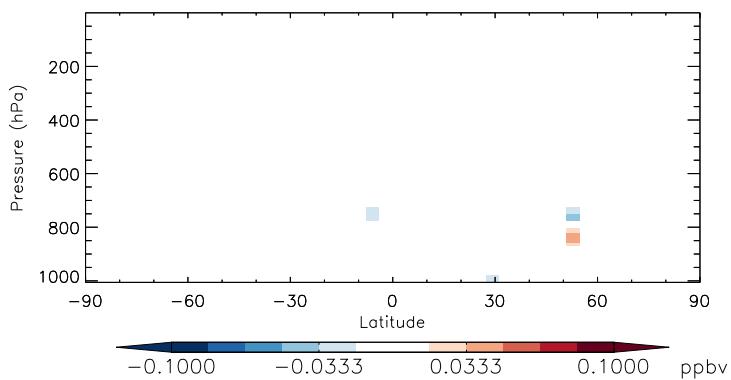
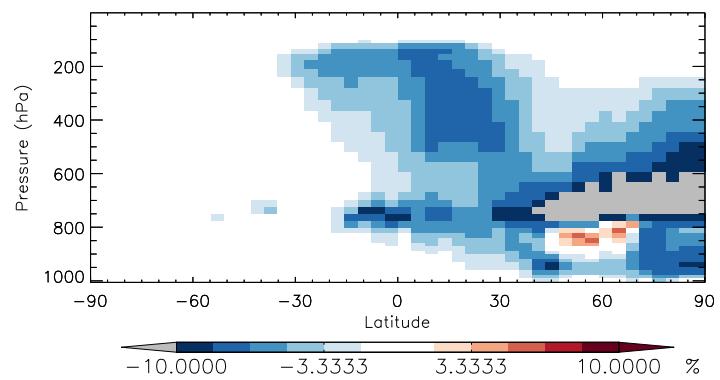
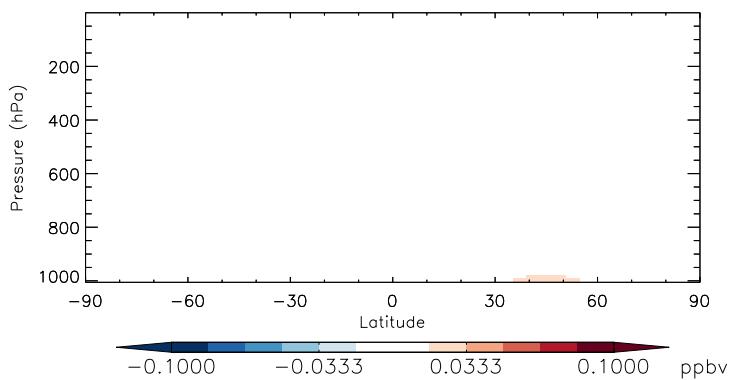
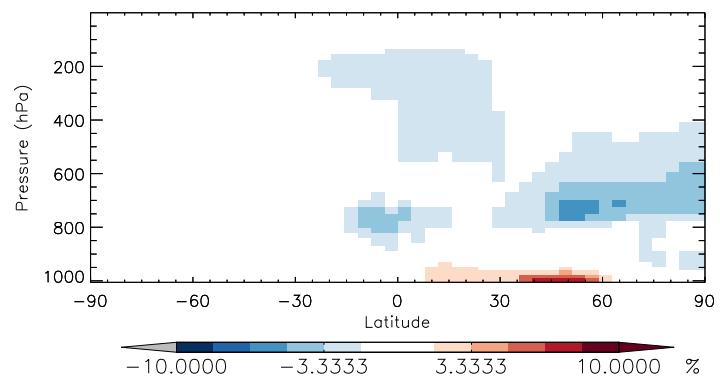
GEOS-Chem v9–02l Zonal differences

ctm.bpch.v9–02l – ctm.bpch.v9–02k

Zonal mean abs diff: DMS

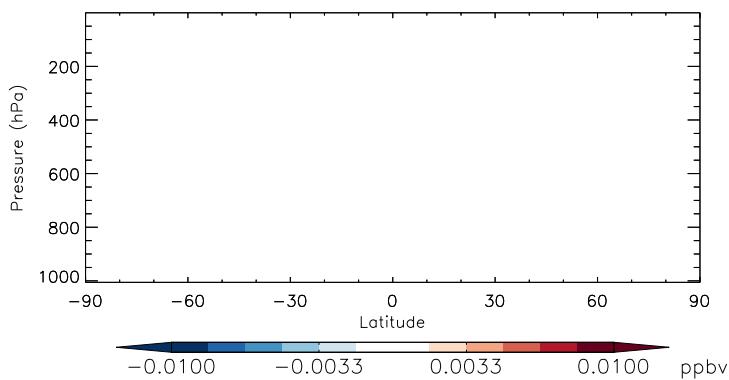
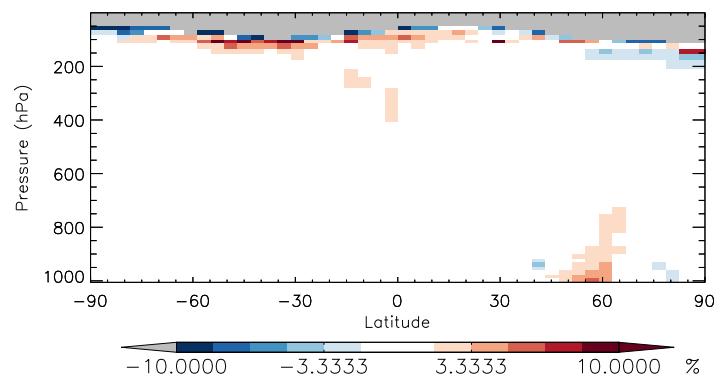


Zonal mean % diff: DMS

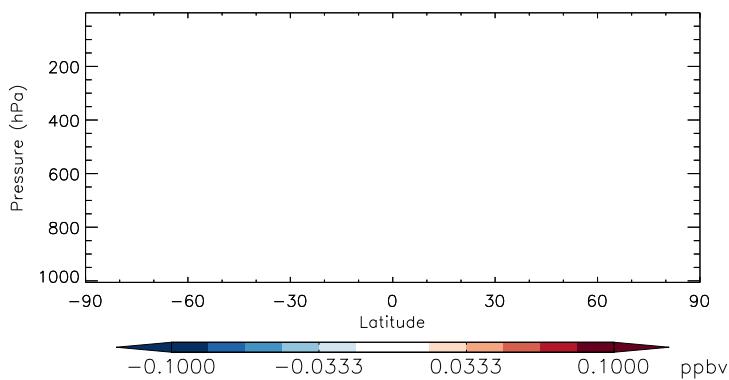
Zonal mean abs diff: SO₂Zonal mean % diff: SO₂Zonal mean abs diff: SO₄Zonal mean % diff: SO₄

GEOS-Chem v9–02l Zonal differences

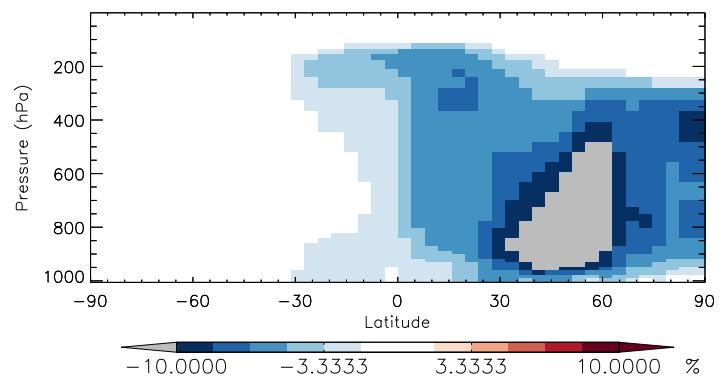
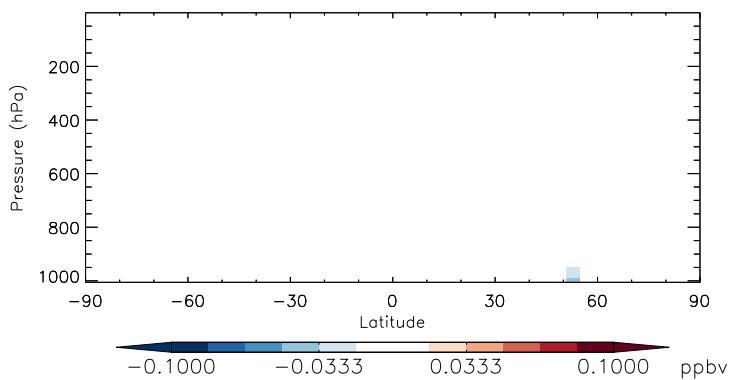
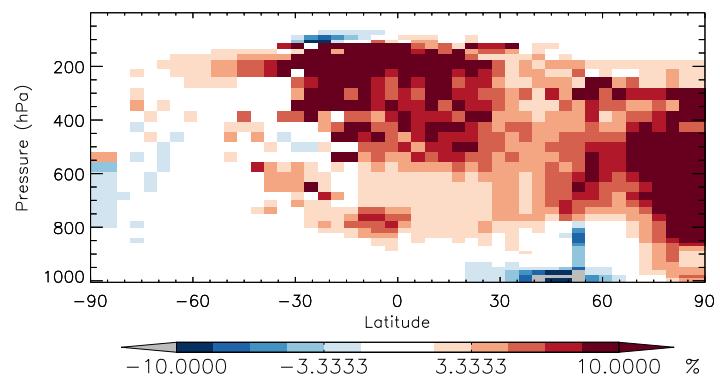
ctm.bpch.v9–02l – ctm.bpch.v9–02k

Zonal mean abs diff: SO₄sZonal mean % diff: SO₄s

Zonal mean abs diff: MSA



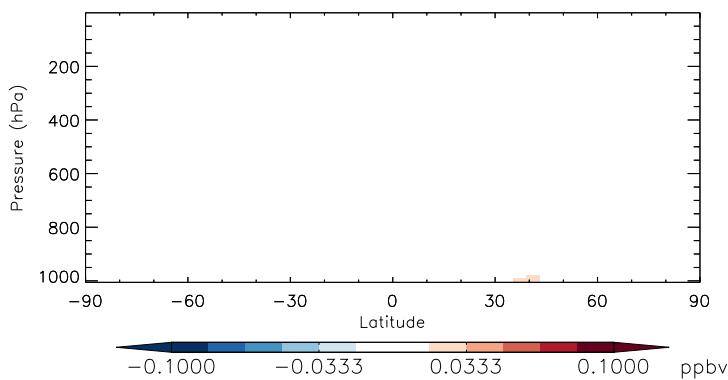
Zonal mean % diff: MSA

Zonal mean abs diff: NH₃Zonal mean % diff: NH₃

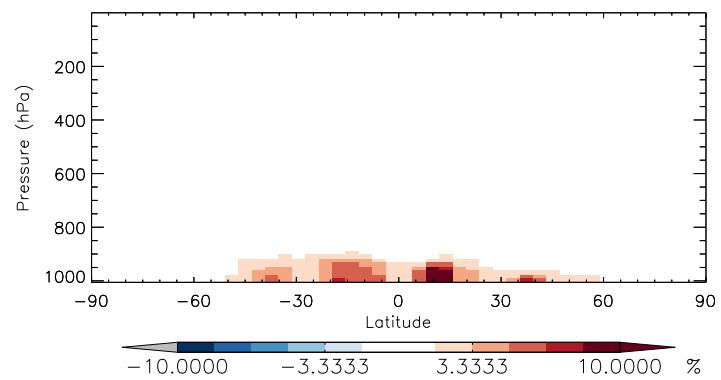
GEOS-Chem v9–02l Zonal differences

ctm.bpch.v9–02l – ctm.bpch.v9–02k

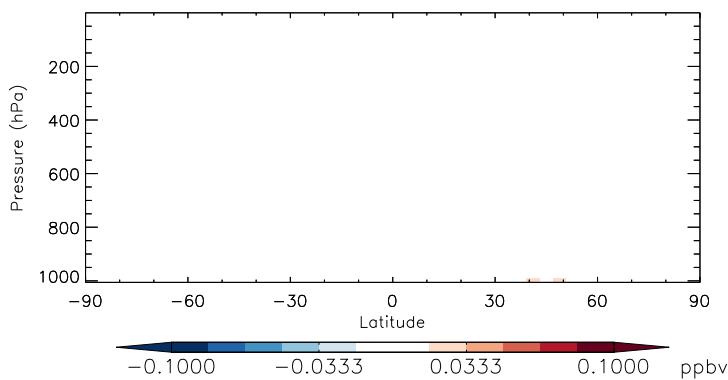
Zonal mean abs diff: NH4



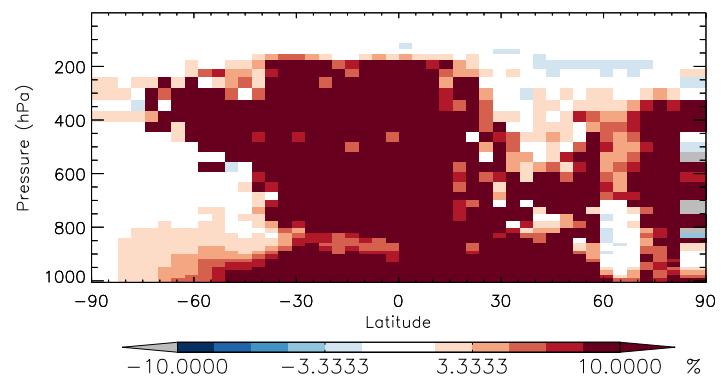
Zonal mean % diff: NH4



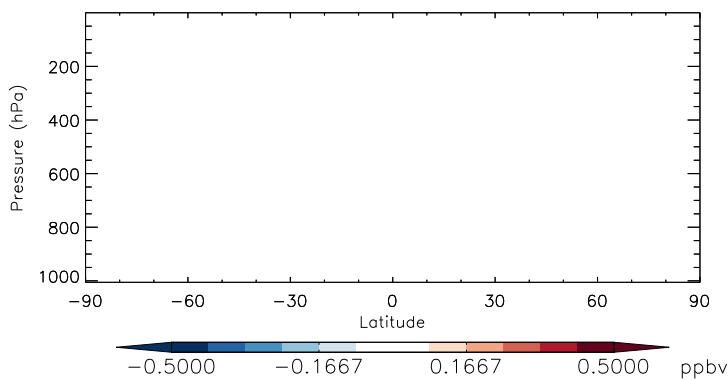
Zonal mean abs diff: NIT



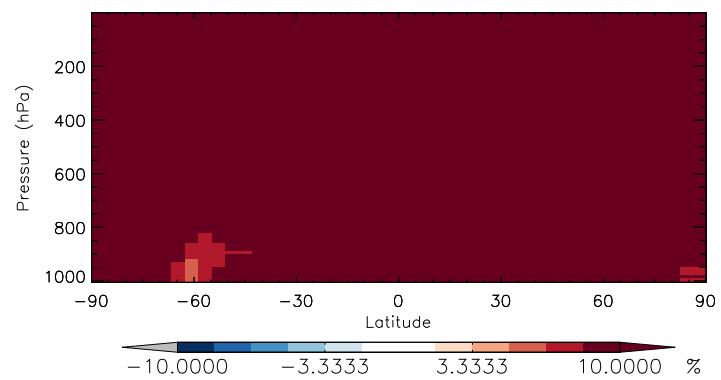
Zonal mean % diff: NIT



Zonal mean abs diff: NITs



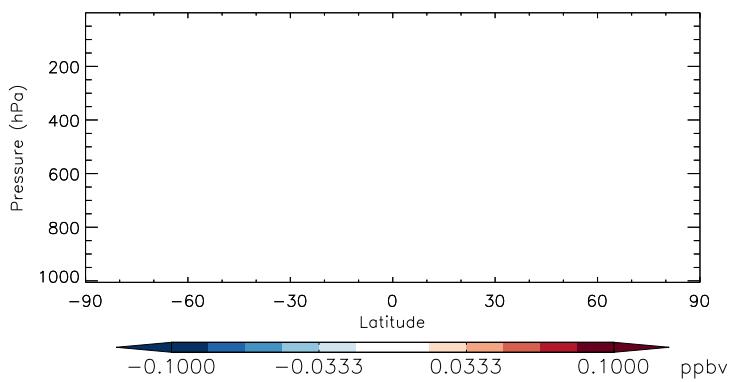
Zonal mean % diff: NITs



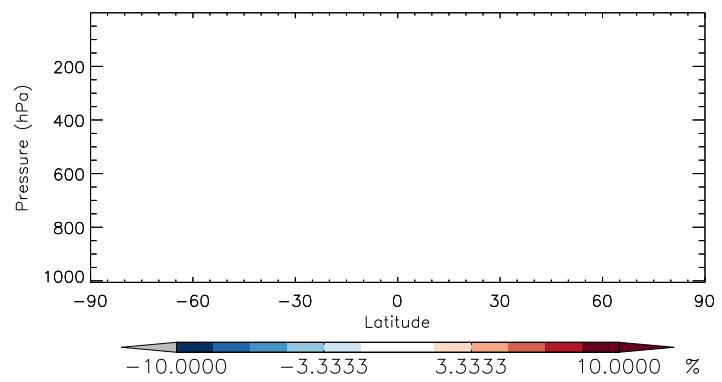
GEOS-Chem v9–02l Zonal differences

ctm.bpch.v9–02l – ctm.bpch.v9–02k

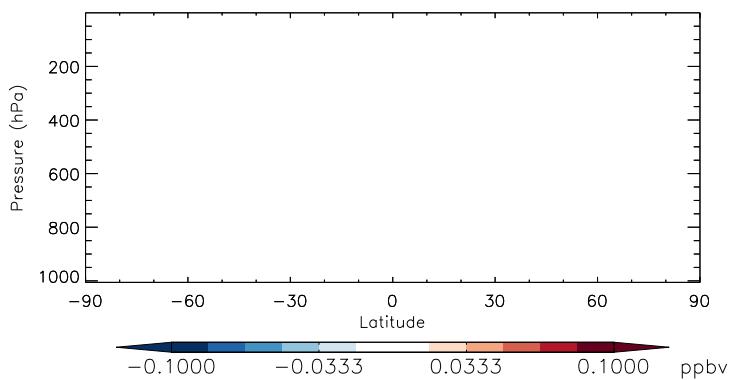
Zonal mean abs diff: BCPI



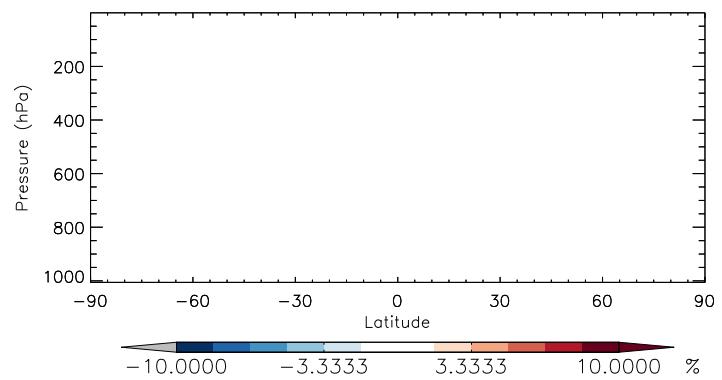
Zonal mean % diff: BCPI



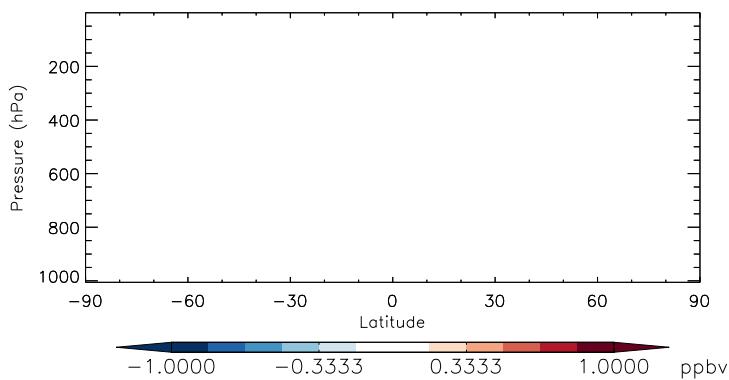
Zonal mean abs diff: OCPI



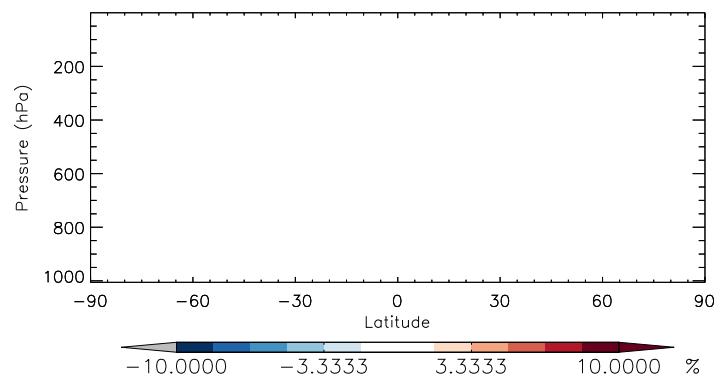
Zonal mean % diff: OCPI



Zonal mean abs diff: BCPO



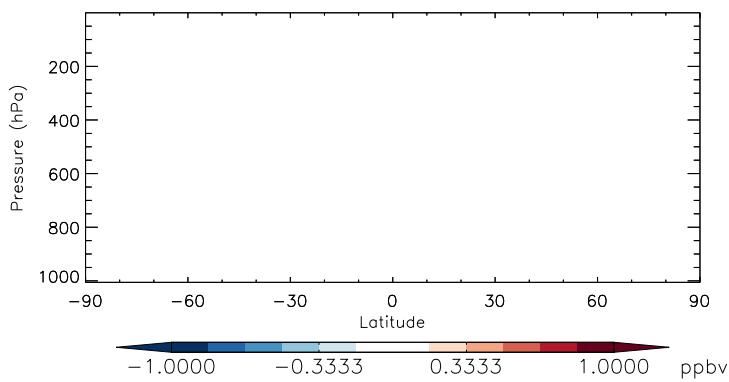
Zonal mean % diff: BCPO



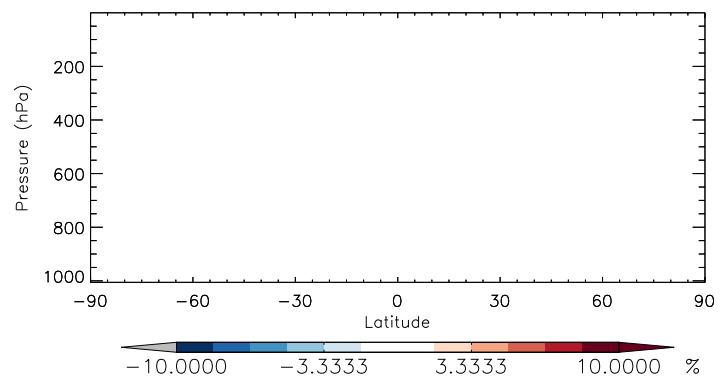
GEOS-Chem v9–02l Zonal differences

ctm.bpch.v9–02l – ctm.bpch.v9–02k

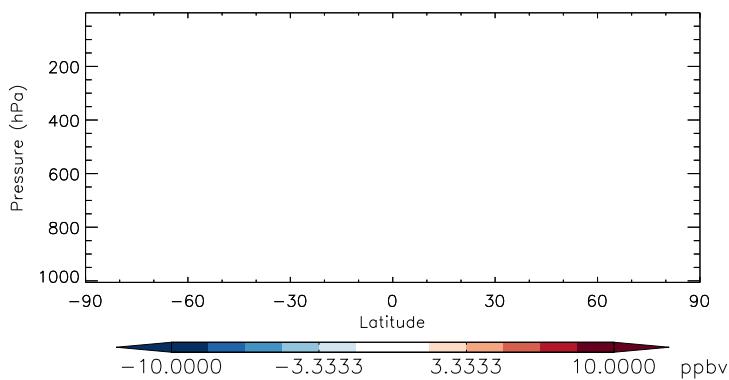
Zonal mean abs diff: OCP0



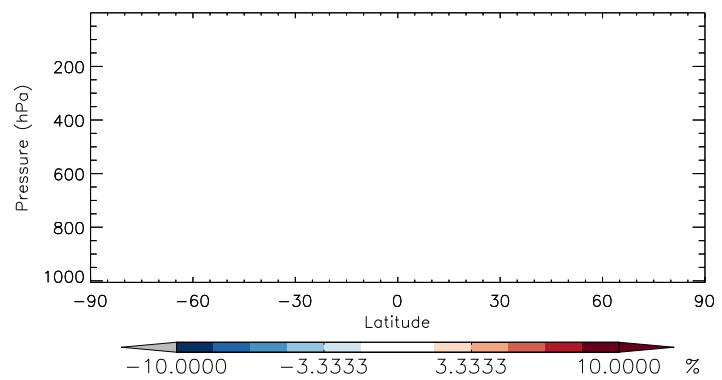
Zonal mean % diff: OCP0



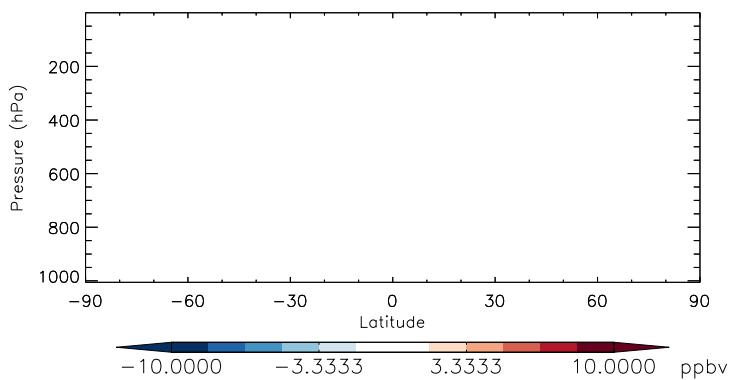
Zonal mean abs diff: DST1



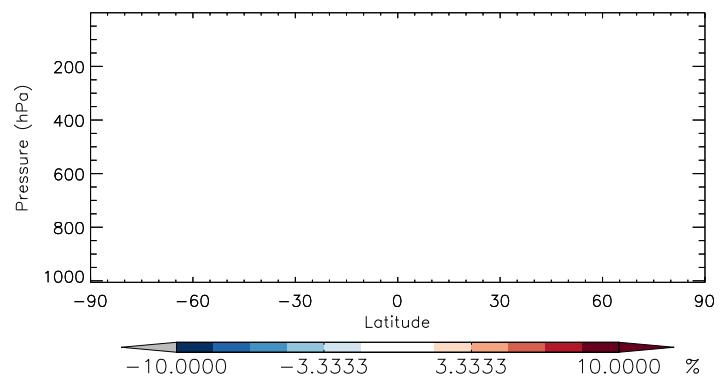
Zonal mean % diff: DST1



Zonal mean abs diff: DST2



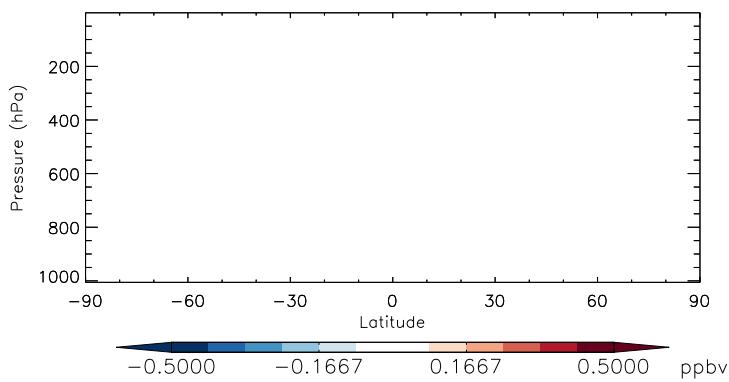
Zonal mean % diff: DST2



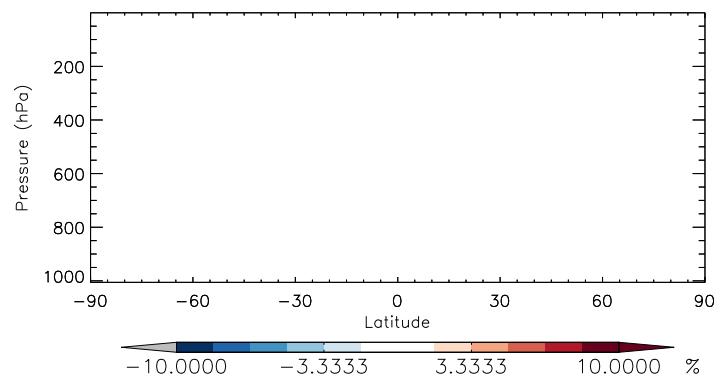
GEOS-Chem v9–02l Zonal differences

ctm.bpch.v9–02l – ctm.bpch.v9–02k

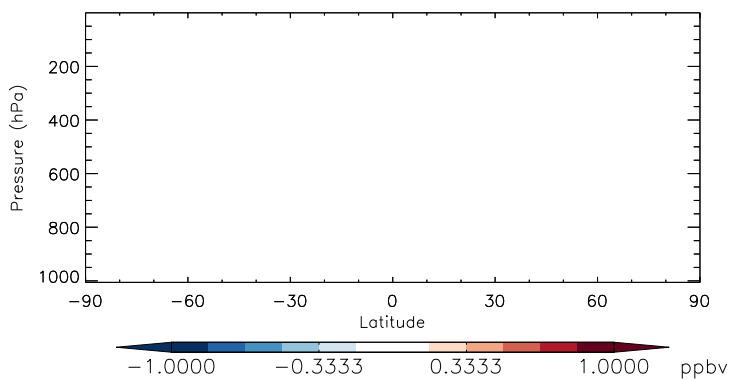
Zonal mean abs diff: DST3



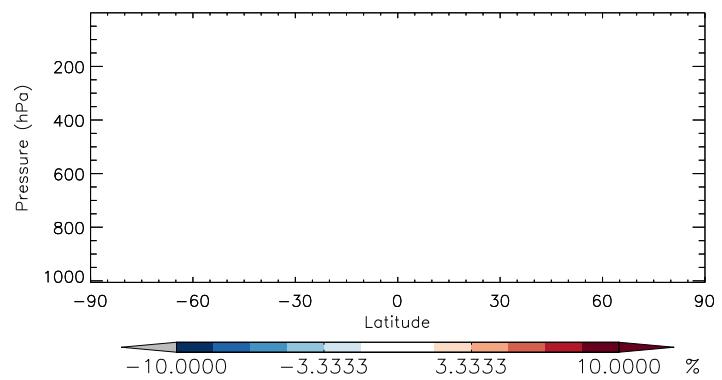
Zonal mean % diff: DST3



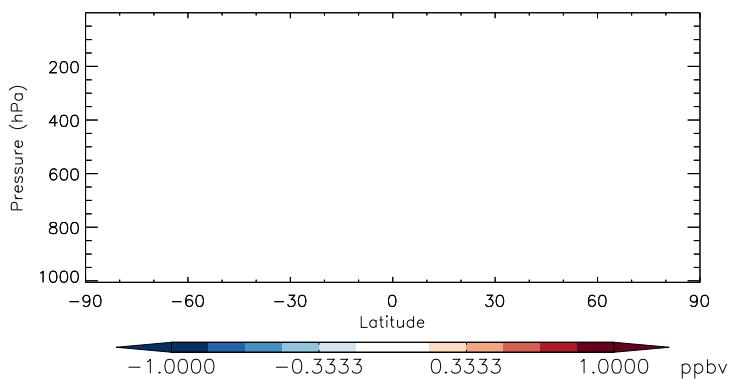
Zonal mean abs diff: DST4



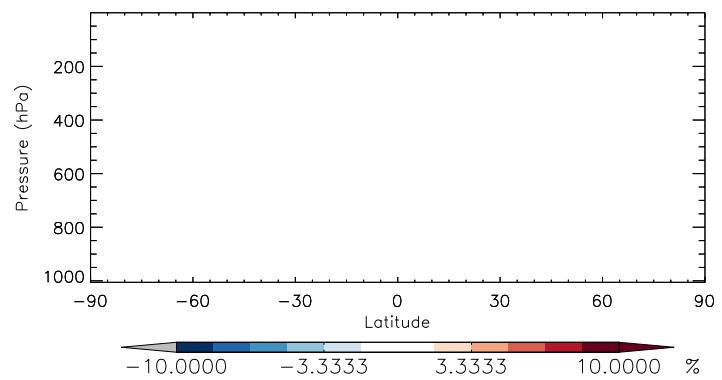
Zonal mean % diff: DST4



Zonal mean abs diff: SALA



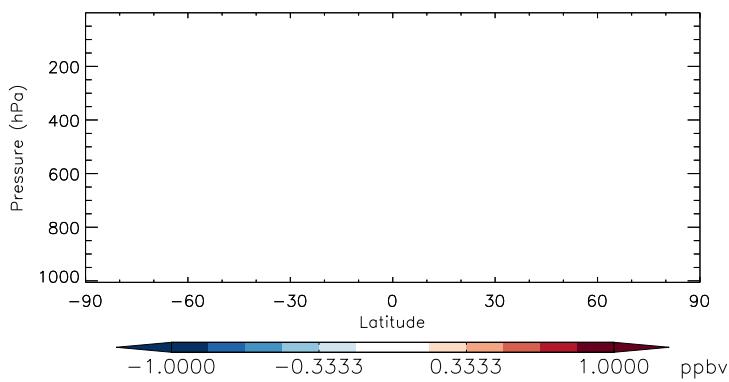
Zonal mean % diff: SALA



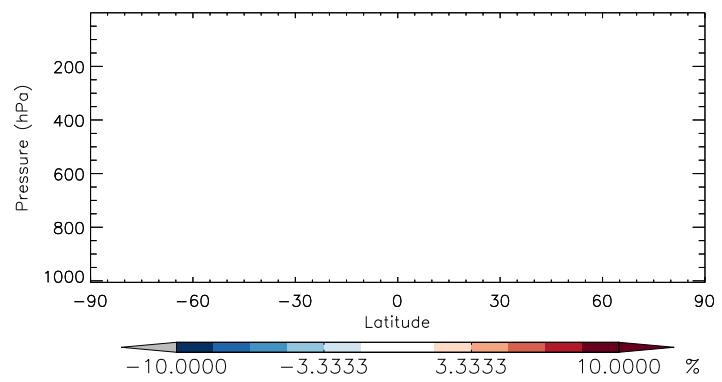
GEOS-Chem v9–02l Zonal differences

ctm.bpch.v9–02l – ctm.bpch.v9–02k

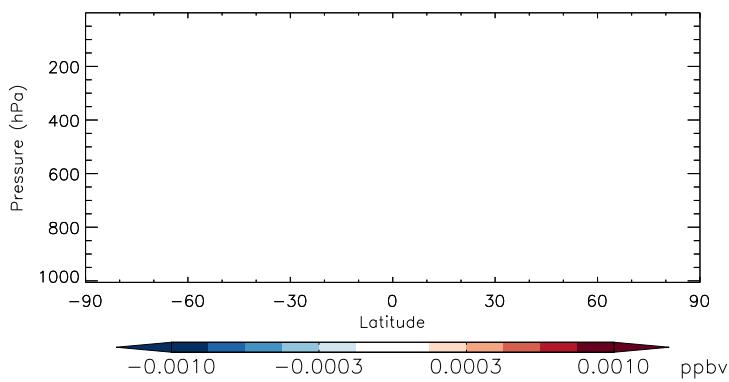
Zonal mean abs diff: SALC



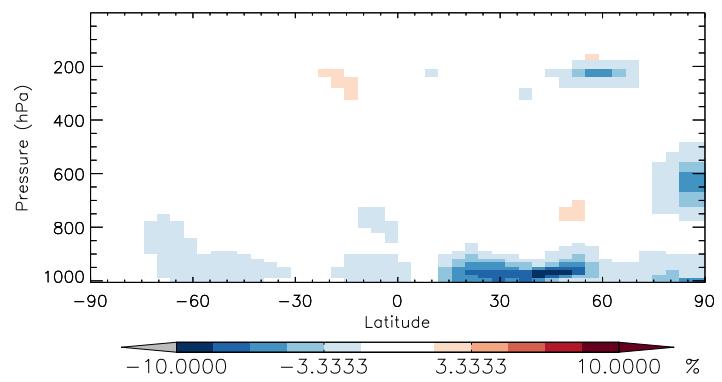
Zonal mean % diff: SALC



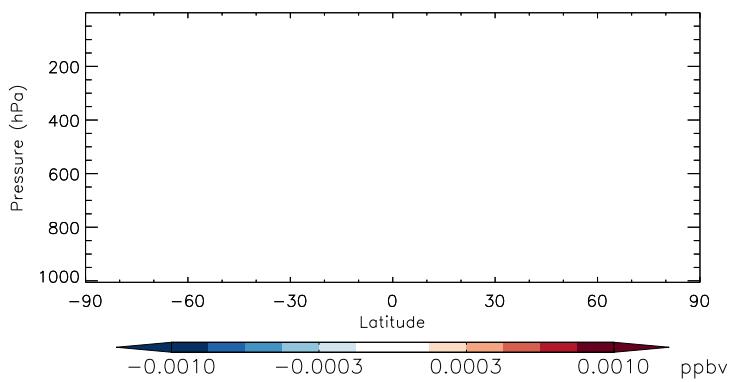
Zonal mean abs diff: Br2



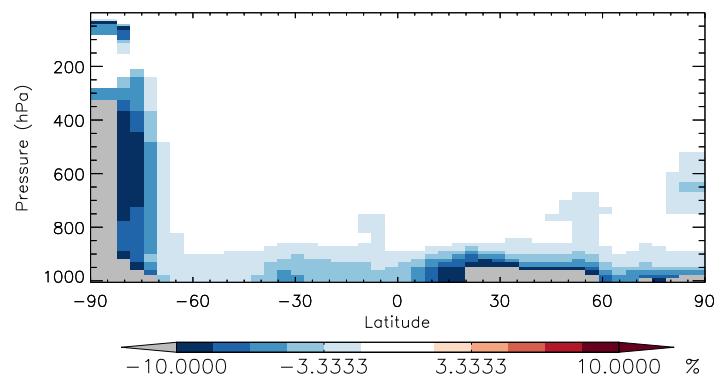
Zonal mean % diff: Br2



Zonal mean abs diff: Br



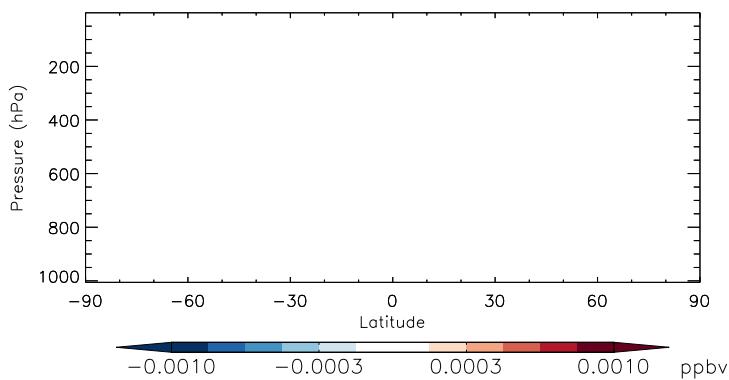
Zonal mean % diff: Br



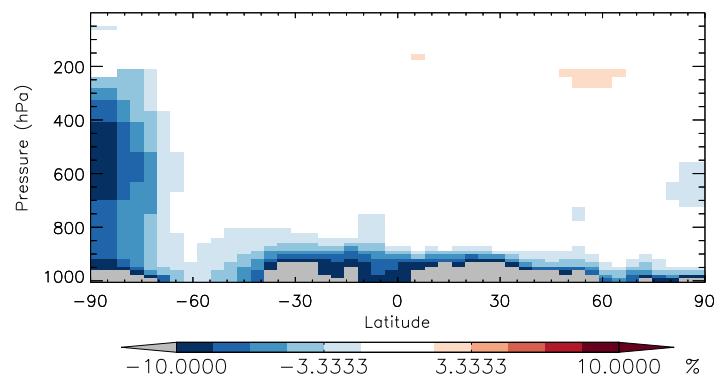
GEOS-Chem v9–02l Zonal differences

ctm.bpch.v9–02l – ctm.bpch.v9–02k

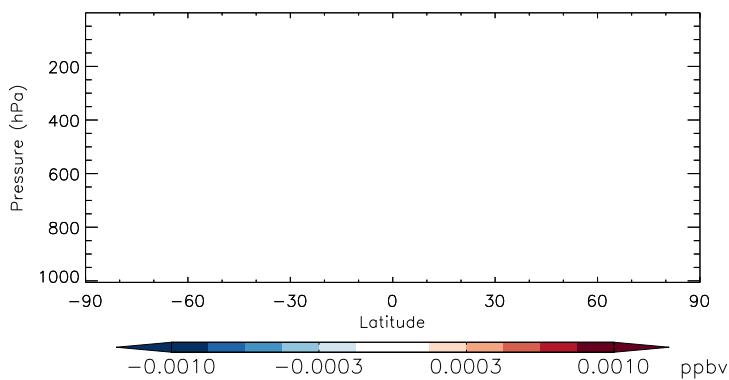
Zonal mean abs diff: BrO



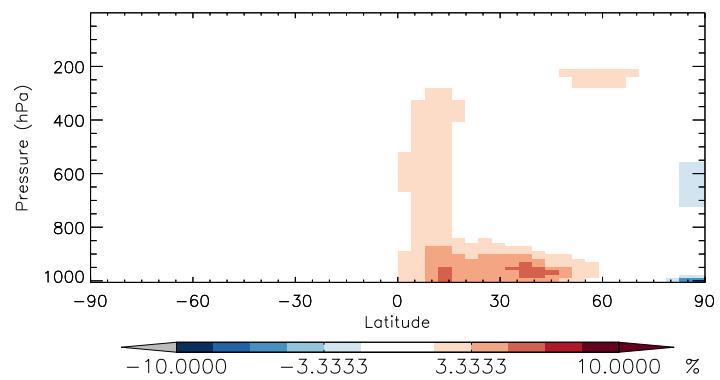
Zonal mean % diff: BrO



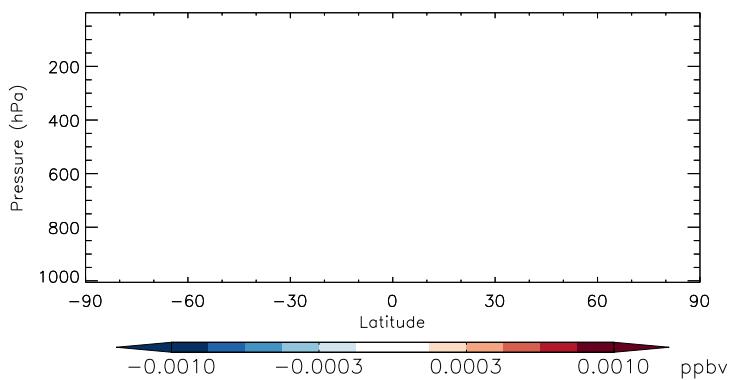
Zonal mean abs diff: HOBr



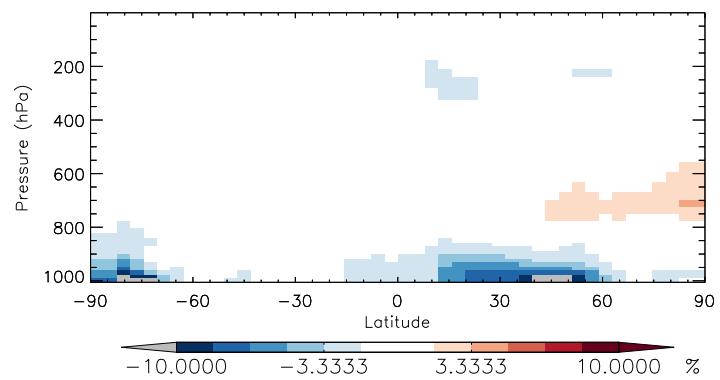
Zonal mean % diff: HOBr



Zonal mean abs diff: HBr

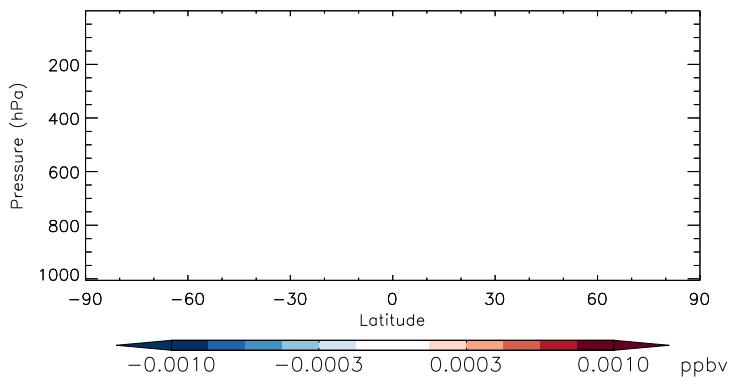
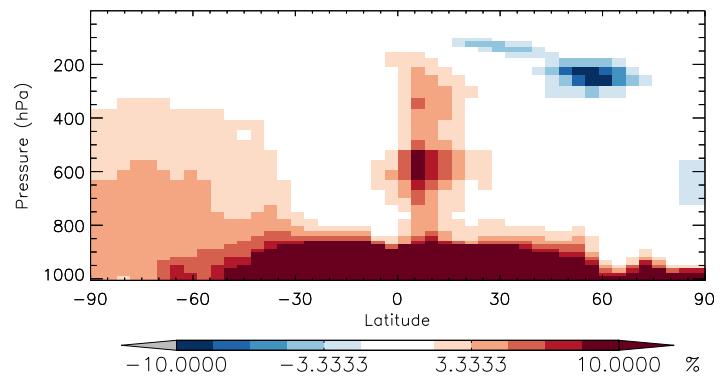
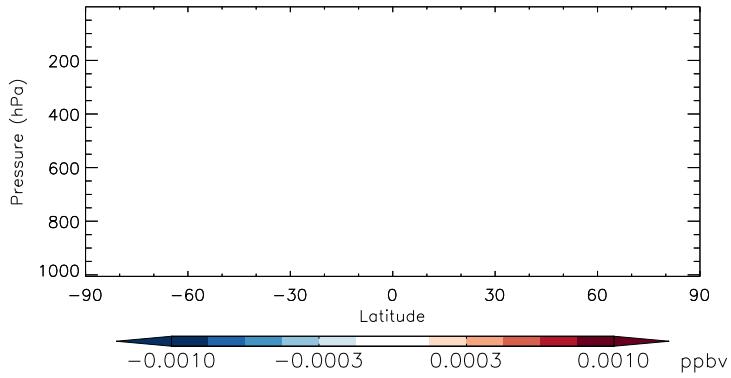
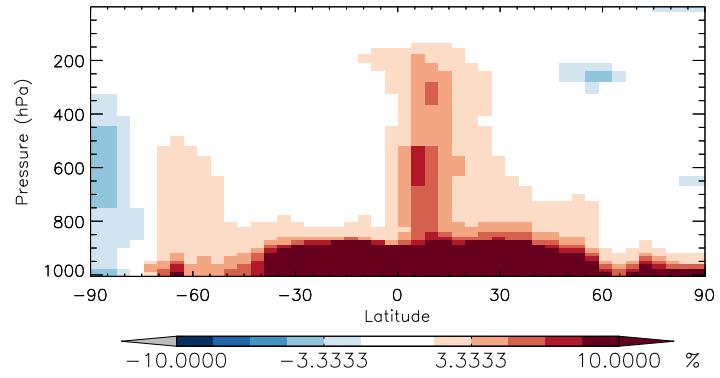
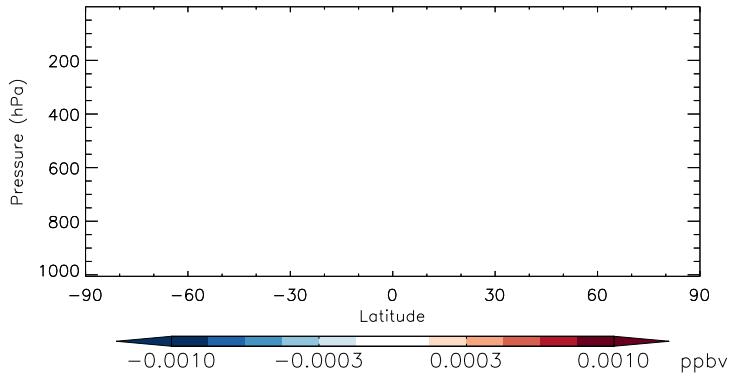
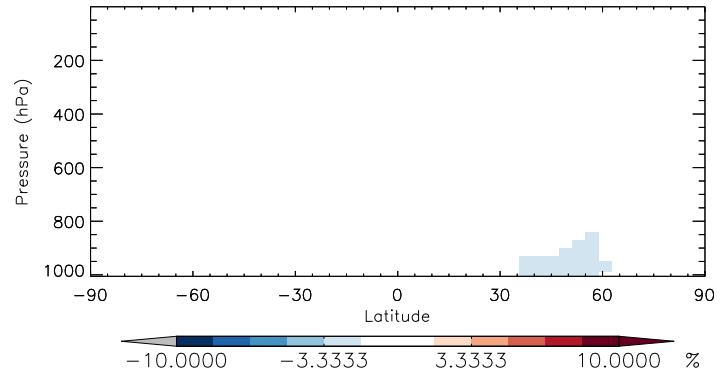


Zonal mean % diff: HBr



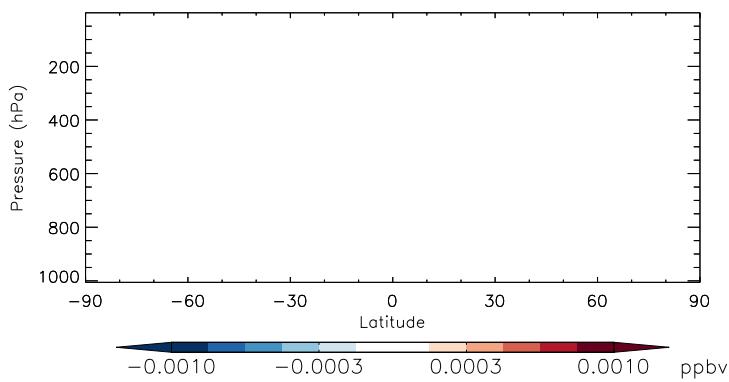
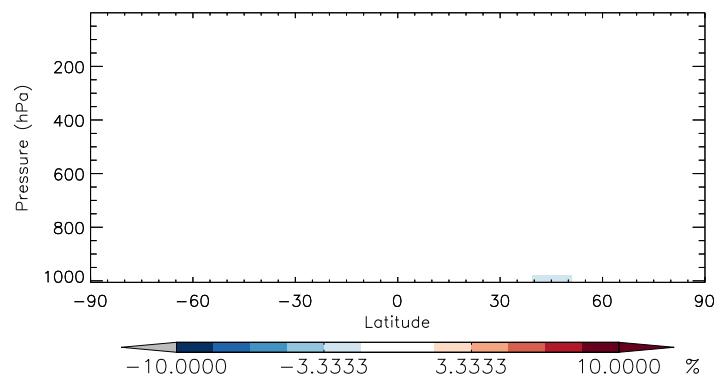
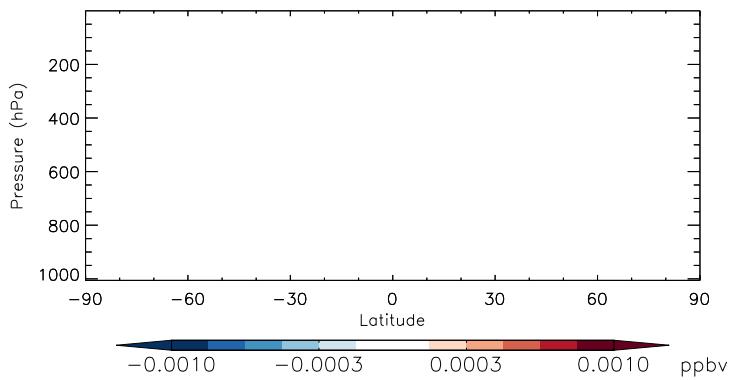
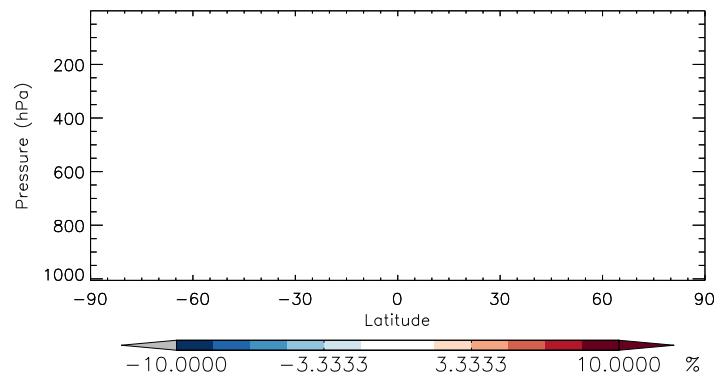
GEOS-Chem v9–02l Zonal differences

ctm.bpch.v9–02l – ctm.bpch.v9–02k

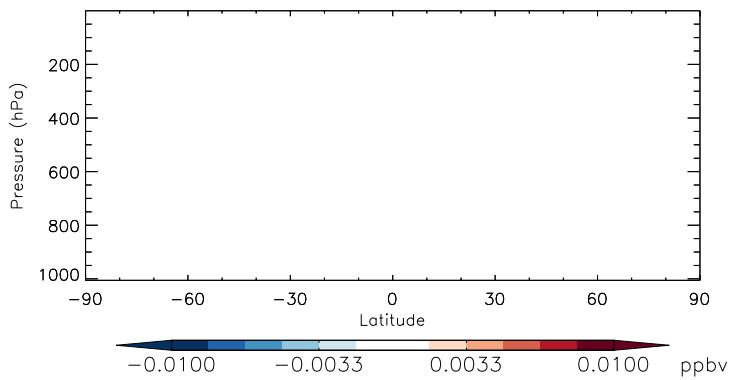
Zonal mean abs diff: BrNO₂Zonal mean % diff: BrNO₂Zonal mean abs diff: BrNO₃Zonal mean % diff: BrNO₃Zonal mean abs diff: CHBr₃Zonal mean % diff: CHBr₃

GEOS-Chem v9–02l Zonal differences

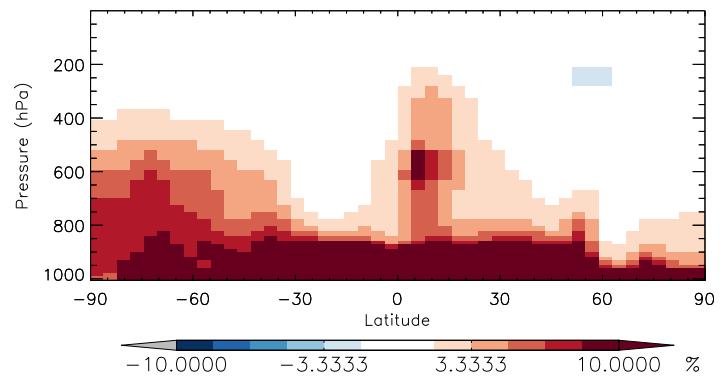
ctm.bpch.v9–02l – ctm.bpch.v9–02k

Zonal mean abs diff: CH₂Br₂Zonal mean % diff: CH₂Br₂Zonal mean abs diff: CH₃BrZonal mean % diff: CH₃Br

Zonal mean abs diff: MPN



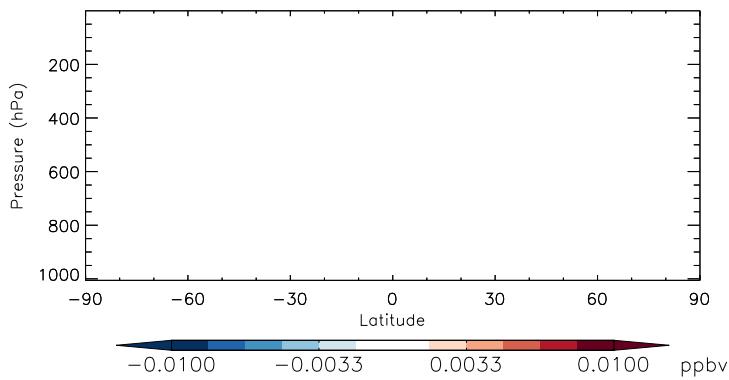
Zonal mean % diff: MPN



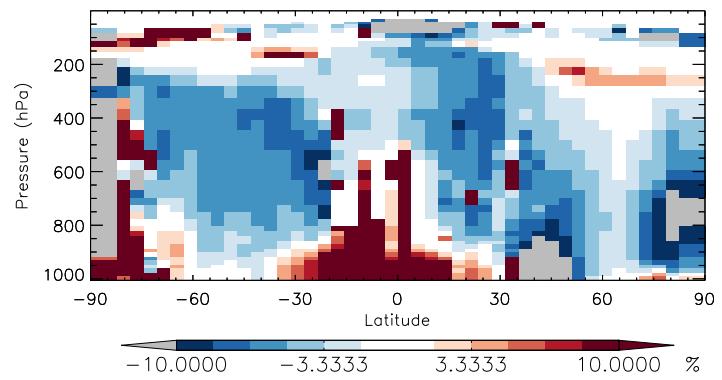
GEOS-Chem v9–02l Zonal differences

ctm.bpch.v9–02l – ctm.bpch.v9–02k

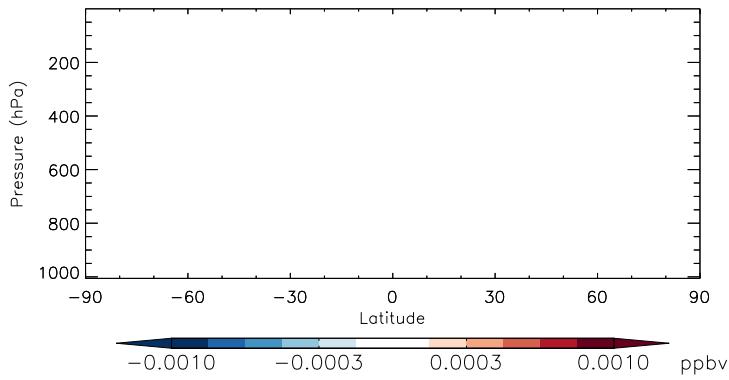
Zonal mean abs diff: ISOPN



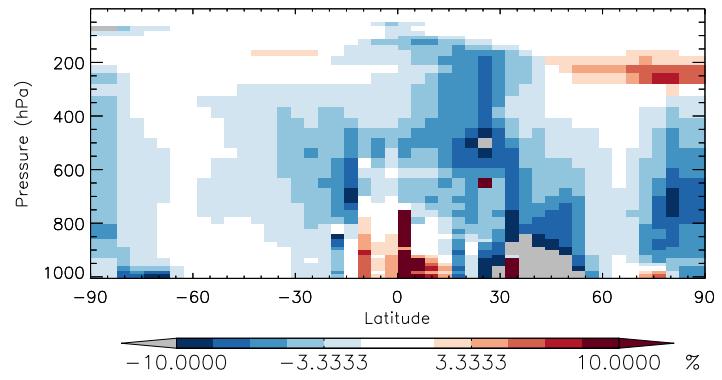
Zonal mean % diff: ISOPN



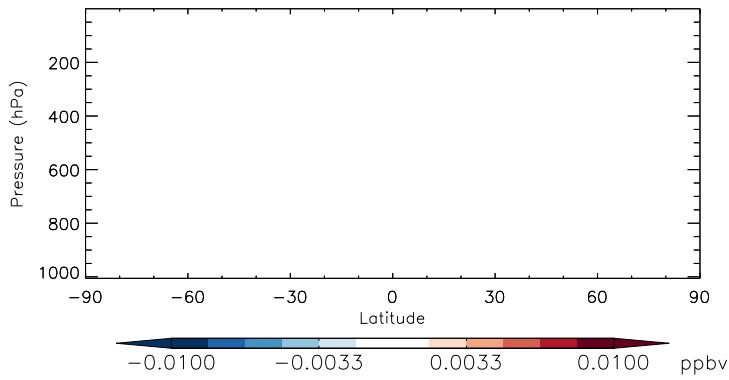
Zonal mean abs diff: MOBA



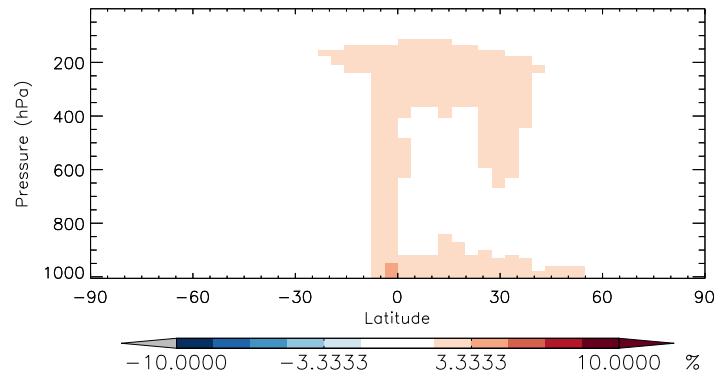
Zonal mean % diff: MOBA



Zonal mean abs diff: PROPNN



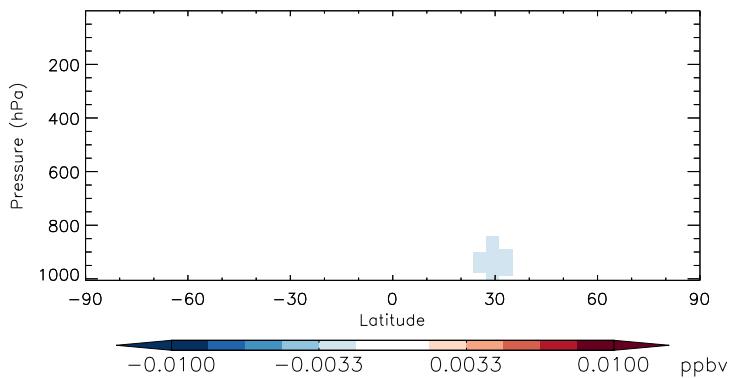
Zonal mean % diff: PROPNN



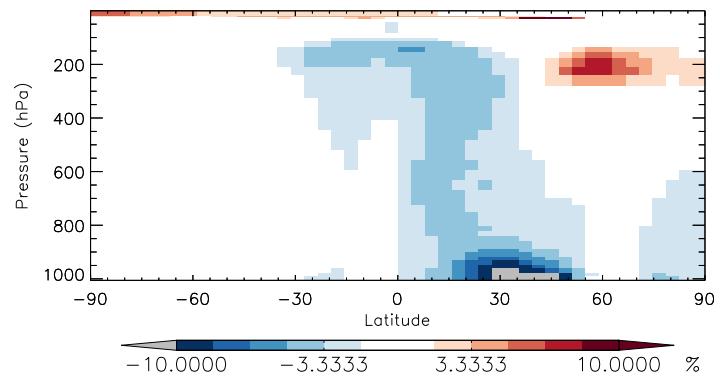
GEOS-Chem v9–02l Zonal differences

ctm.bpch.v9–02l – ctm.bpch.v9–02k

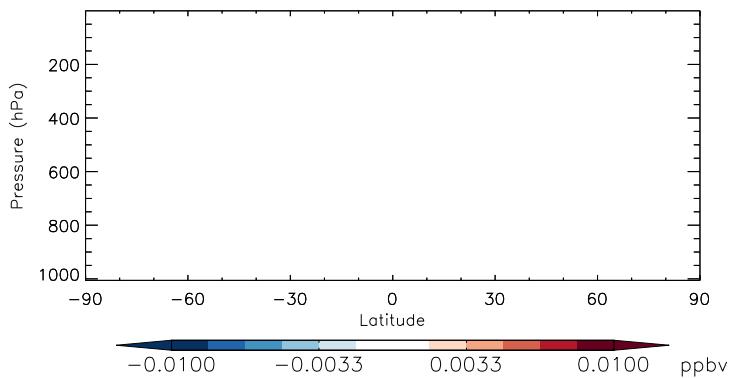
Zonal mean abs diff: HAC



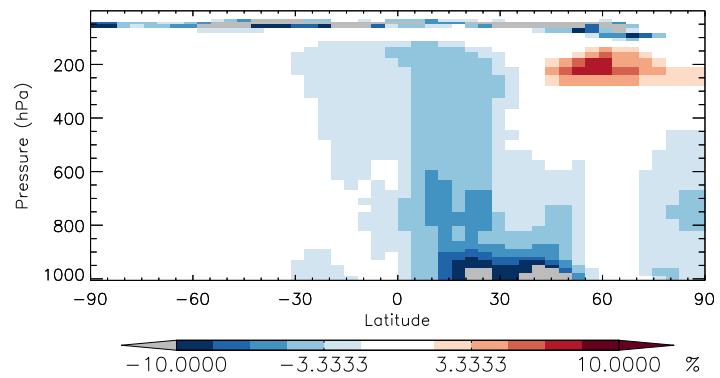
Zonal mean % diff: HAC



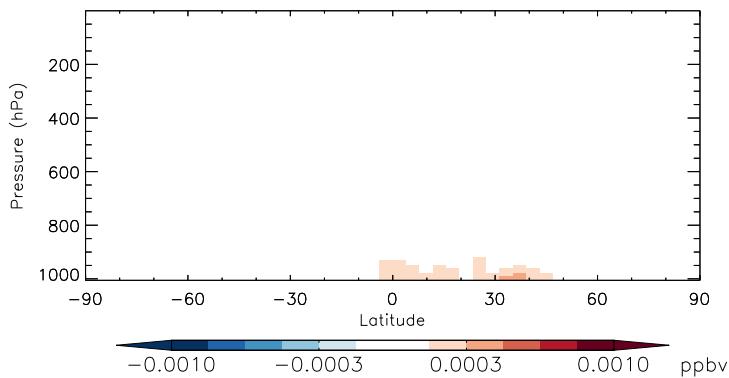
Zonal mean abs diff: GLYC



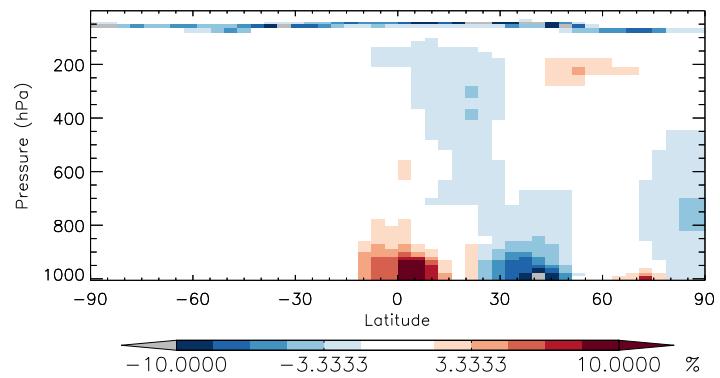
Zonal mean % diff: GLYC



Zonal mean abs diff: MMN



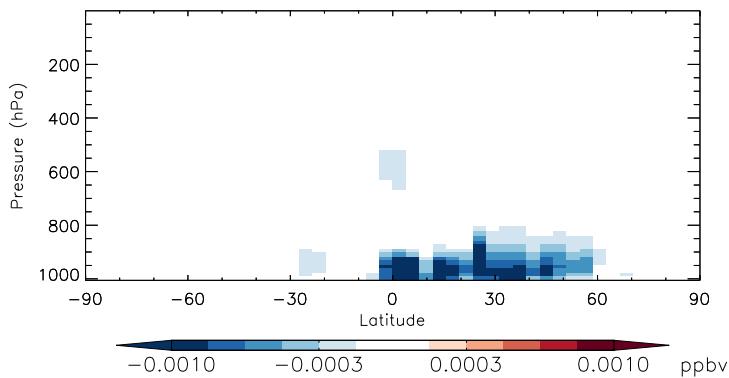
Zonal mean % diff: MMN



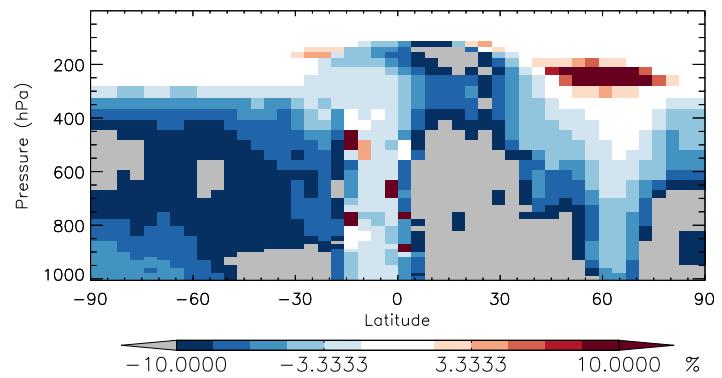
GEOS-Chem v9–02l Zonal differences

ctm.bpch.v9–02l – ctm.bpch.v9–02k

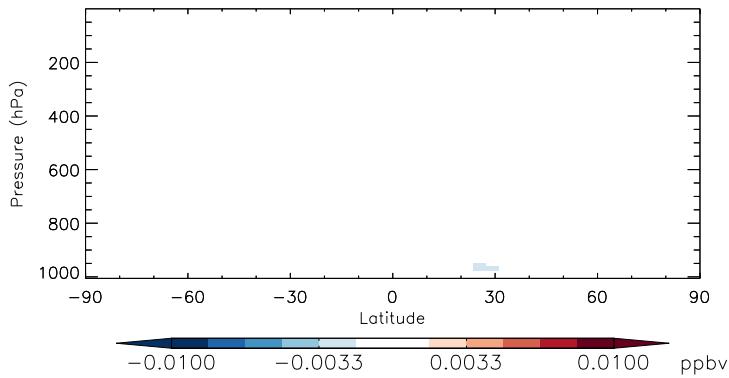
Zonal mean abs diff: RIP



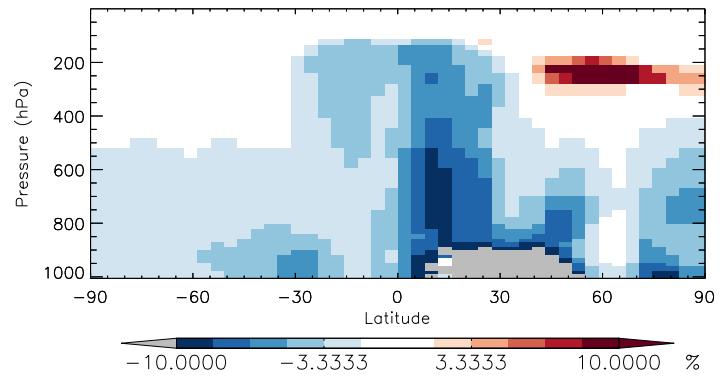
Zonal mean % diff: RIP



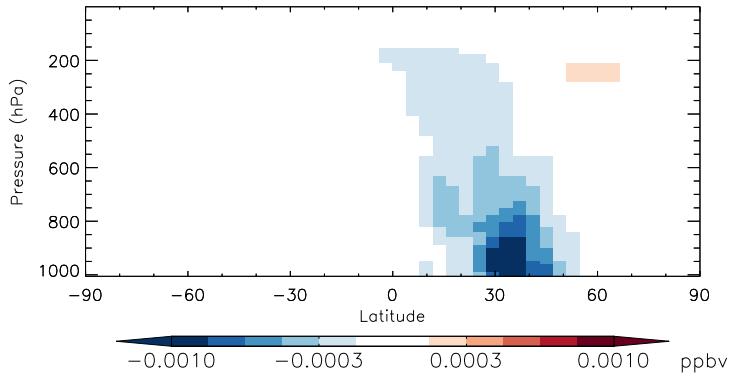
Zonal mean abs diff: IEPOX



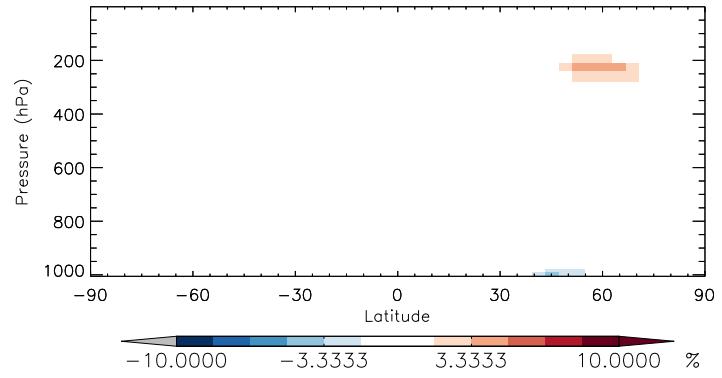
Zonal mean % diff: IEPOX



Zonal mean abs diff: MAP

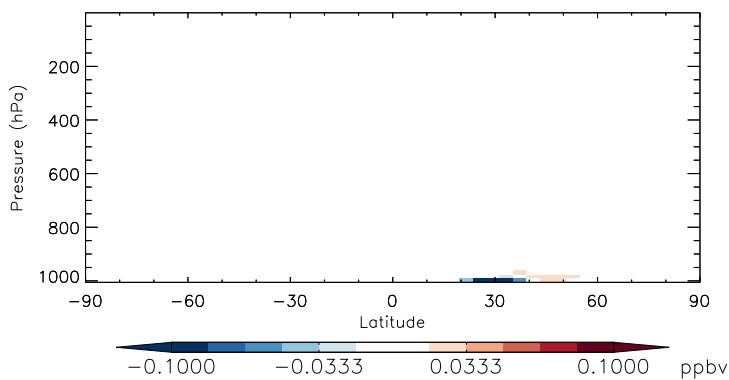
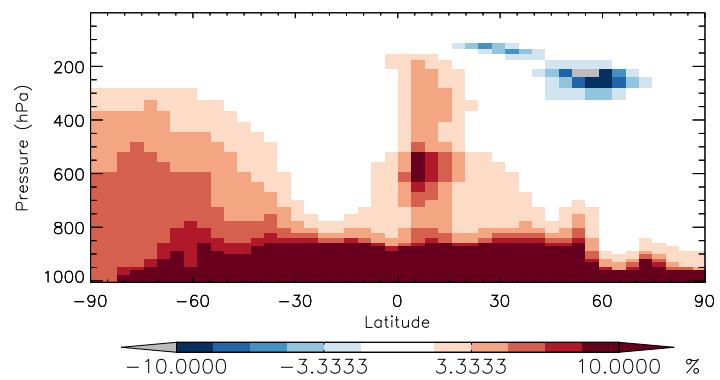
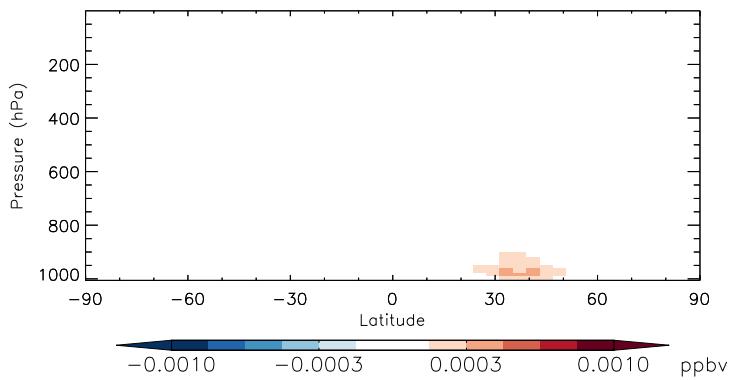
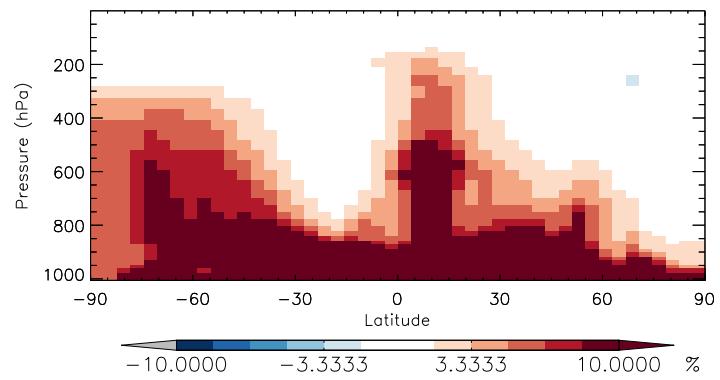
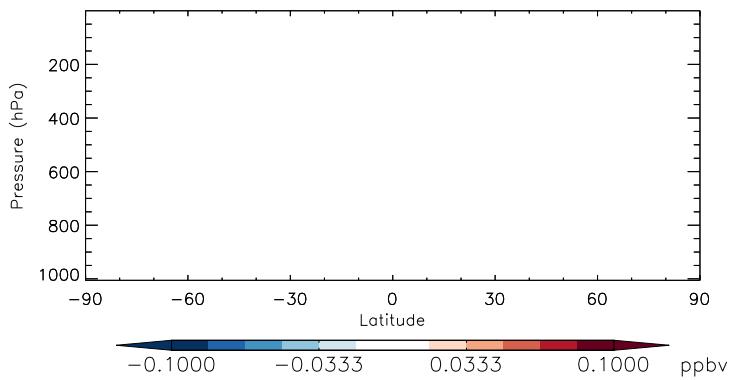
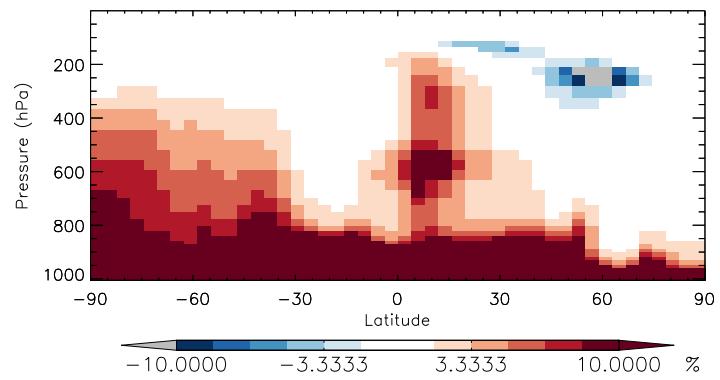


Zonal mean % diff: MAP



GEOS-Chem v9–02l Zonal differences

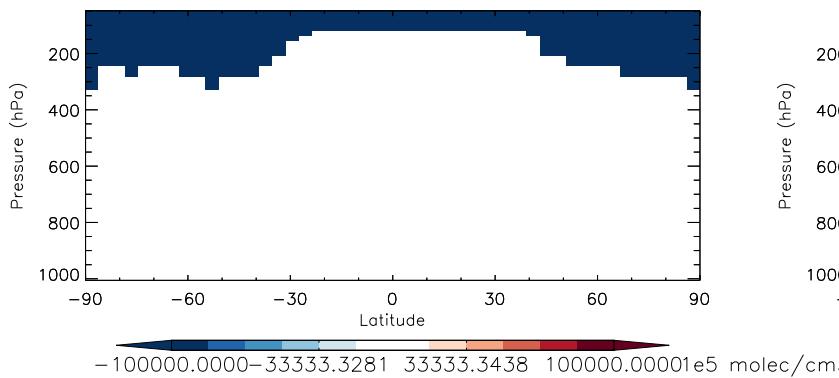
ctm.bpch.v9–02l – ctm.bpch.v9–02k

Zonal mean abs diff: NO₂Zonal mean % diff: NO₂Zonal mean abs diff: NO₃Zonal mean % diff: NO₃Zonal mean abs diff: HNO₂Zonal mean % diff: HNO₂

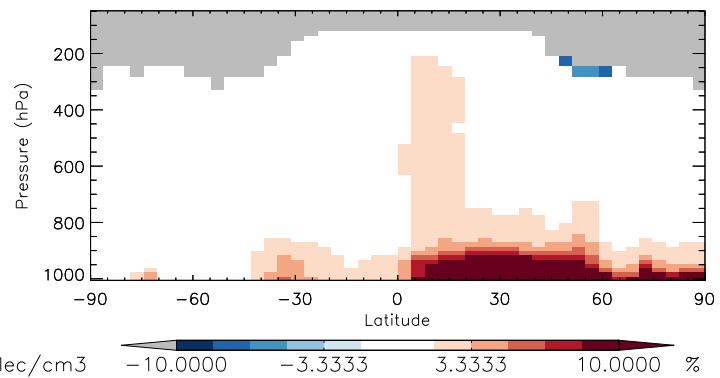
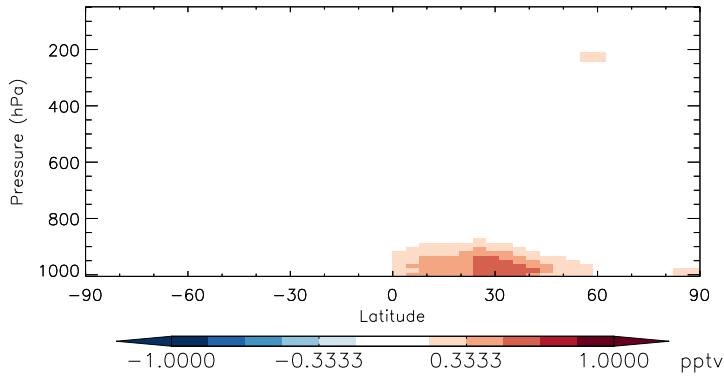
GEOS-Chem v9–02l Zonal differences

ctm.bpch.v9–02l – ctm.bpch.v9–02k

Zonal mean abs diff: OH



Zonal mean % diff: OH

Zonal mean abs diff: HO₂Zonal mean % diff: HO₂