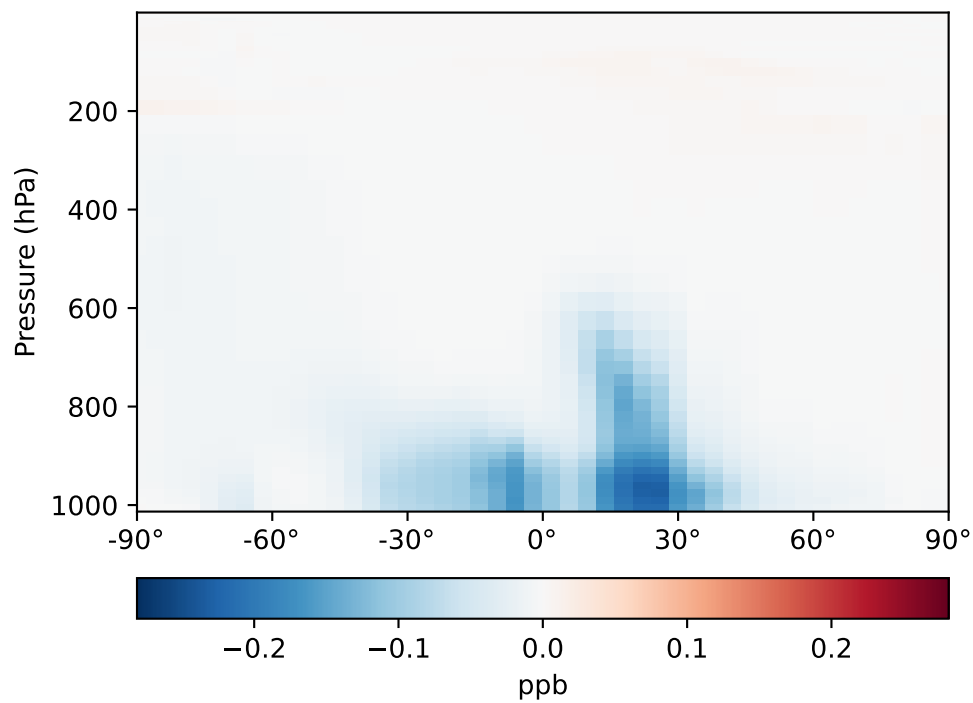
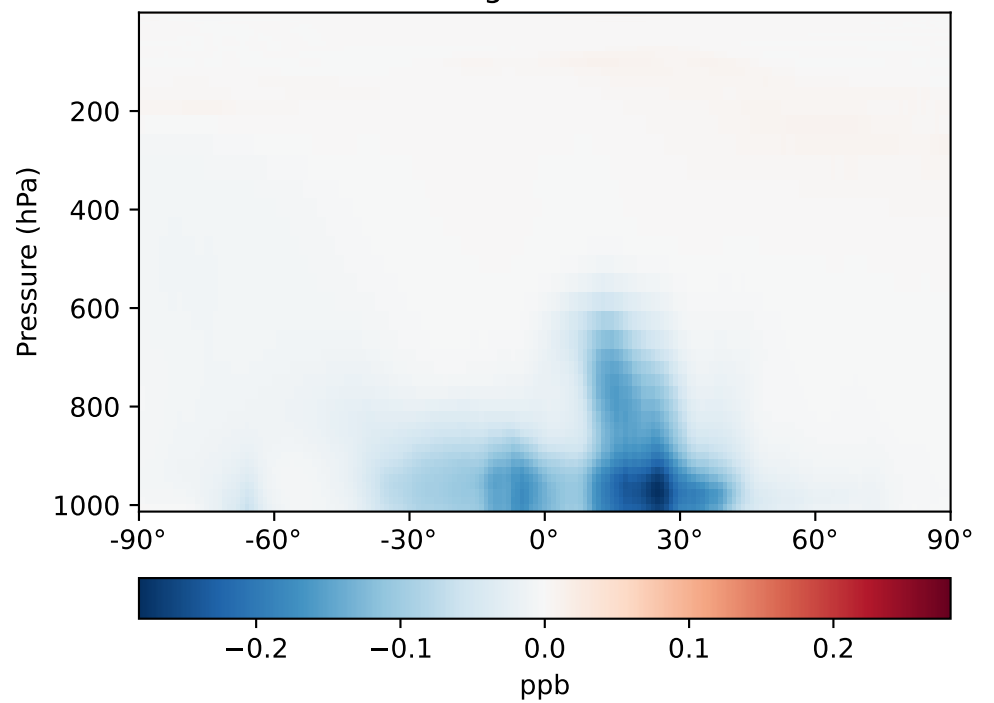


# SpeciesConc\_Cly, Zonal Mean

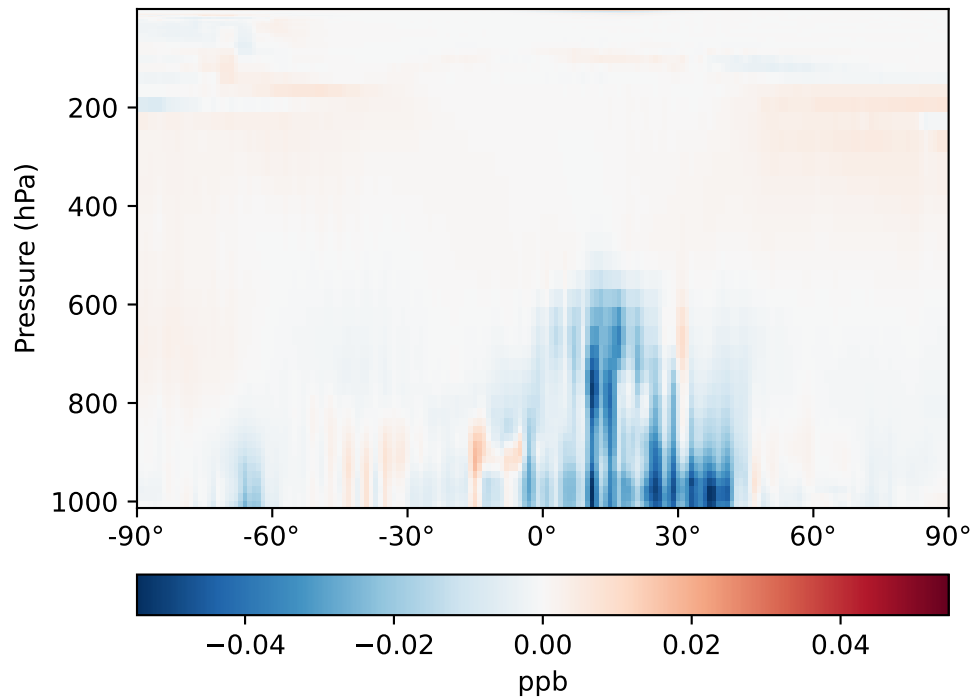
GCC\_13.4.0-rc.3 - GCC\_13.3.0-rc.1 (Ref)  
4.0x5.0



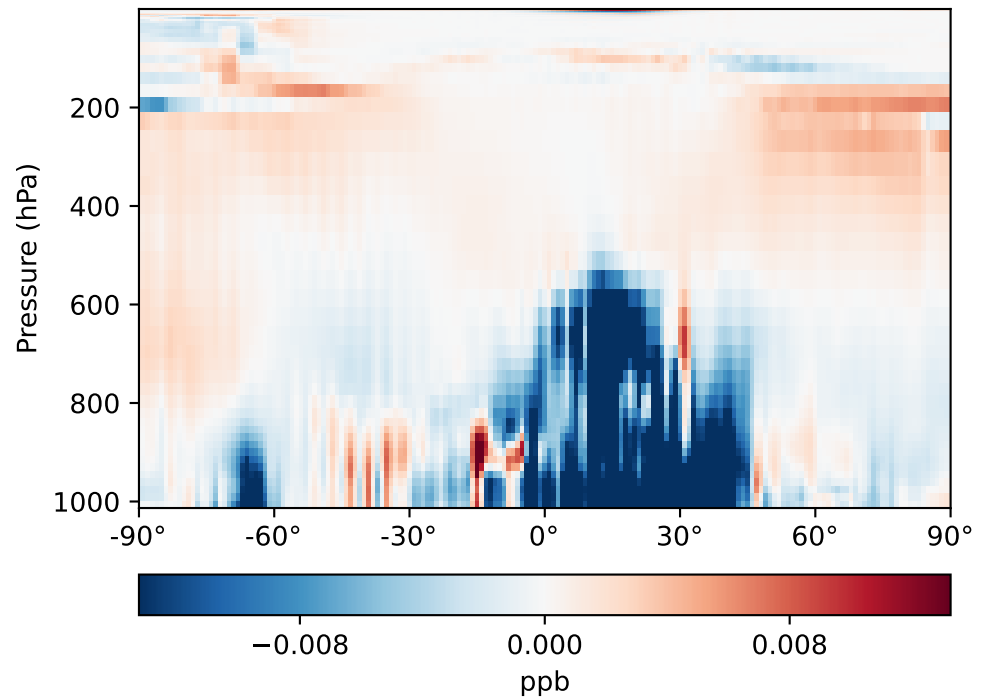
GCHP\_13.4.0-rc.3 - GCHP\_13.3.0-rc.1 (Dev)  
1x1.25 regrided from c48



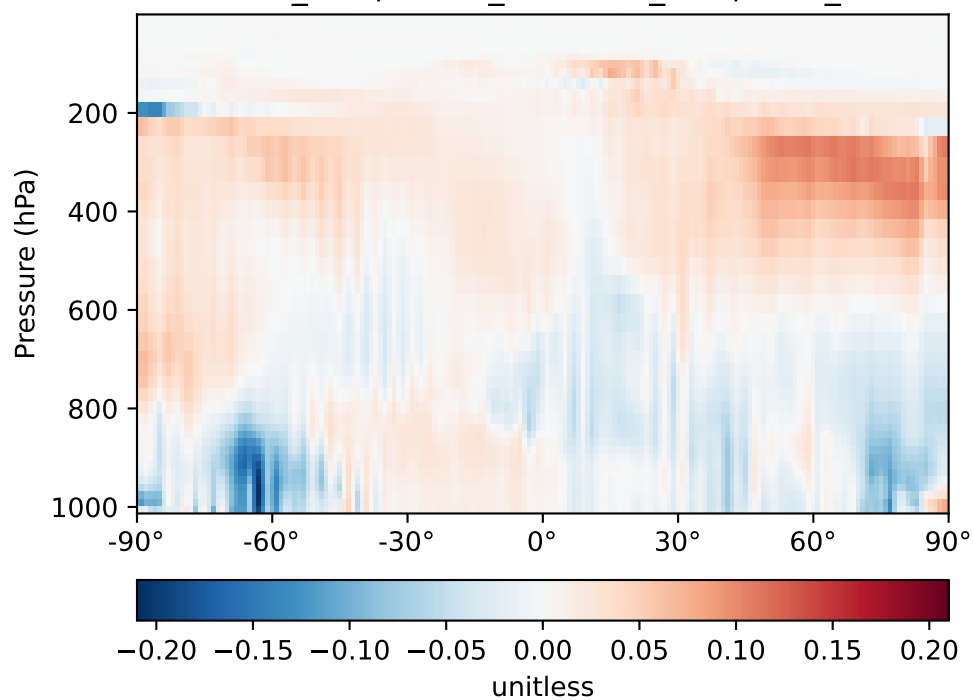
Difference (1x1.25)  
Dev - Ref, Dynamic Range



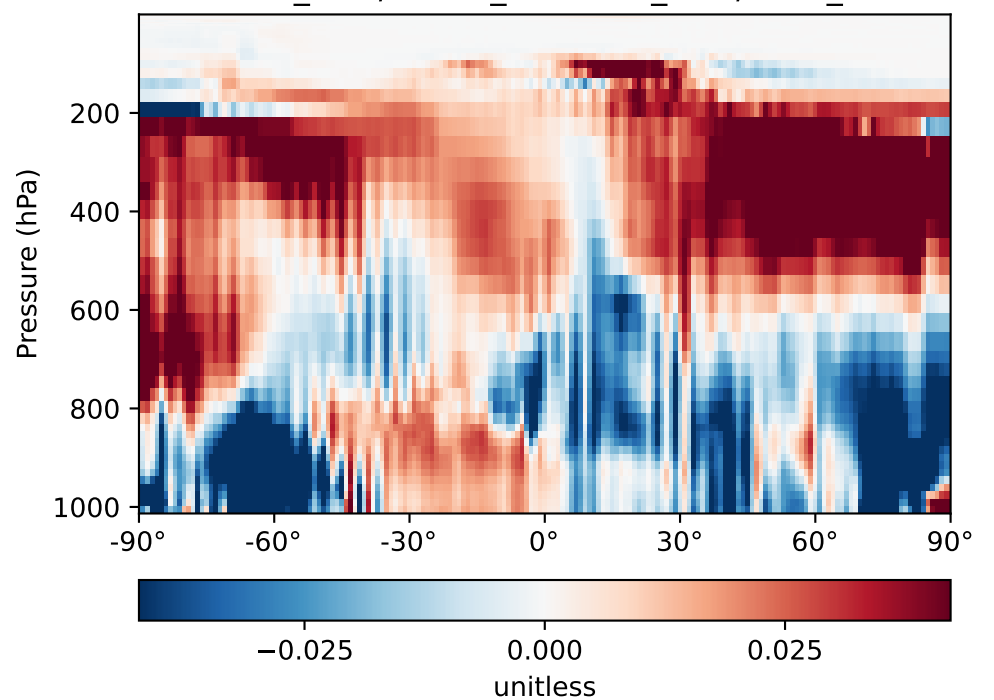
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Difference (1x1.25), Dynamic Range  
GCHP\_dev / GCHP\_ref - GCC\_dev / GCC\_ref

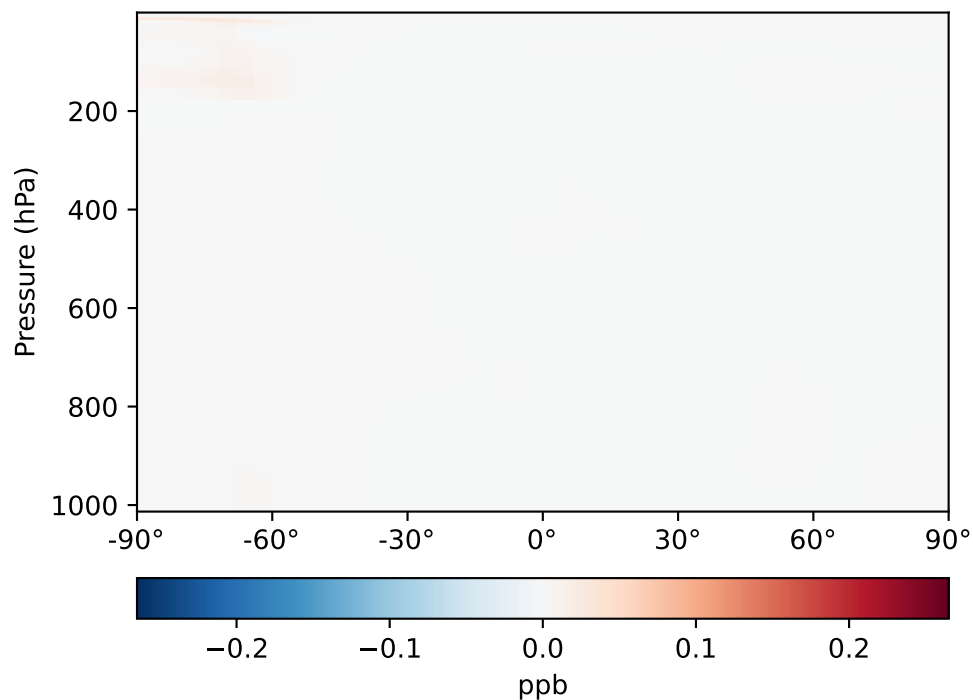


Difference (1x1.25), Restricted Range [5%,95%]  
GCHP\_dev / GCHP\_ref - GCC\_dev / GCC\_ref

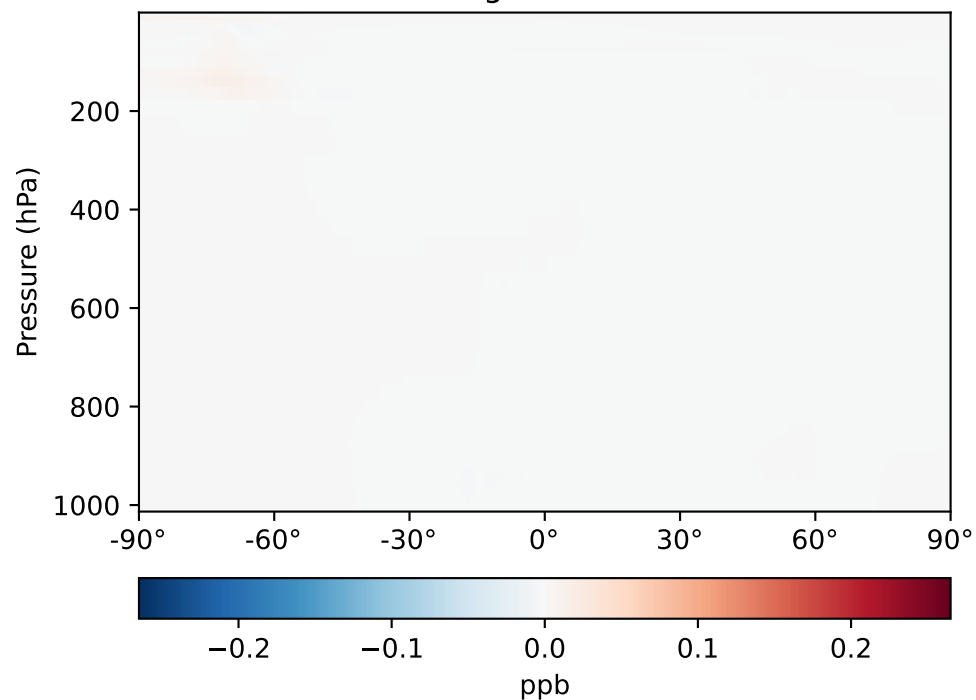


# SpeciesConc\_ClOx, Zonal Mean

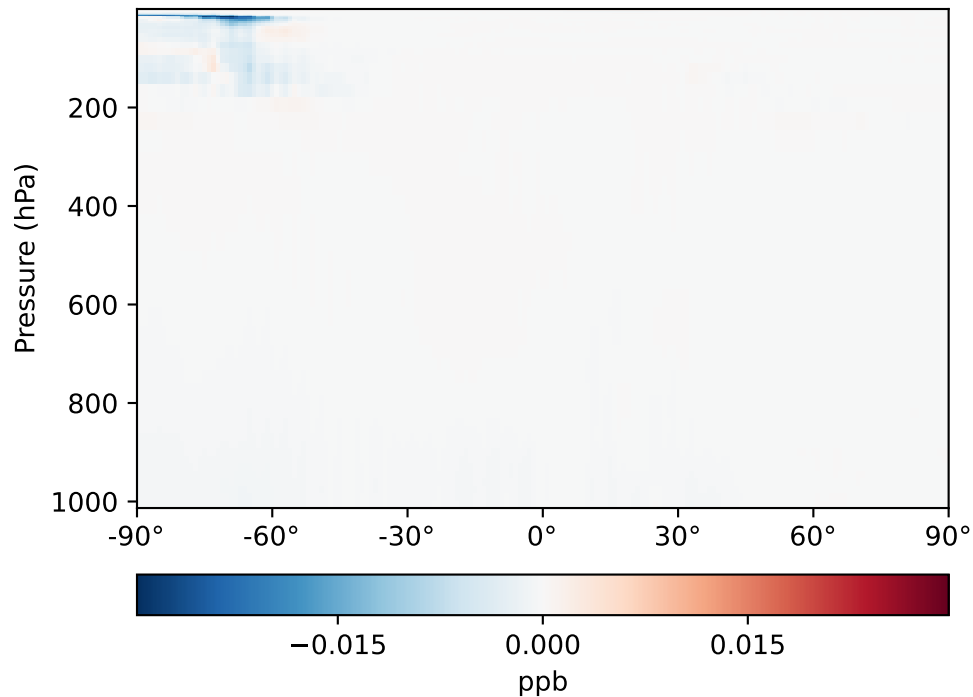
GCC\_13.4.0-rc.3 - GCC\_13.3.0-rc.1 (Ref)  
4.0x5.0



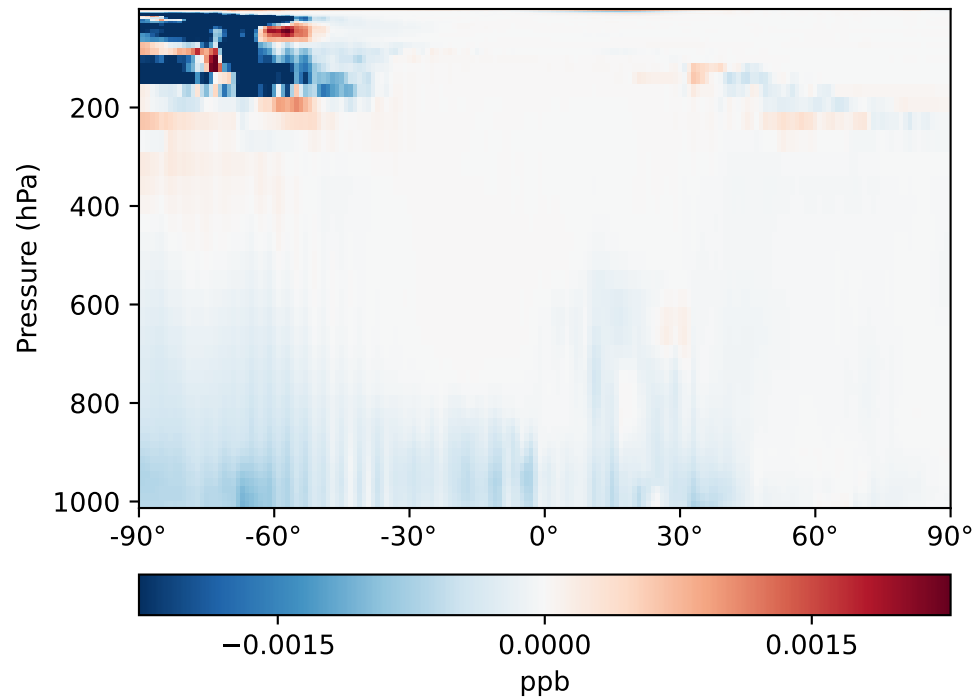
GCHP\_13.4.0-rc.3 - GCHP\_13.3.0-rc.1 (Dev)  
1x1.25 regrided from c48



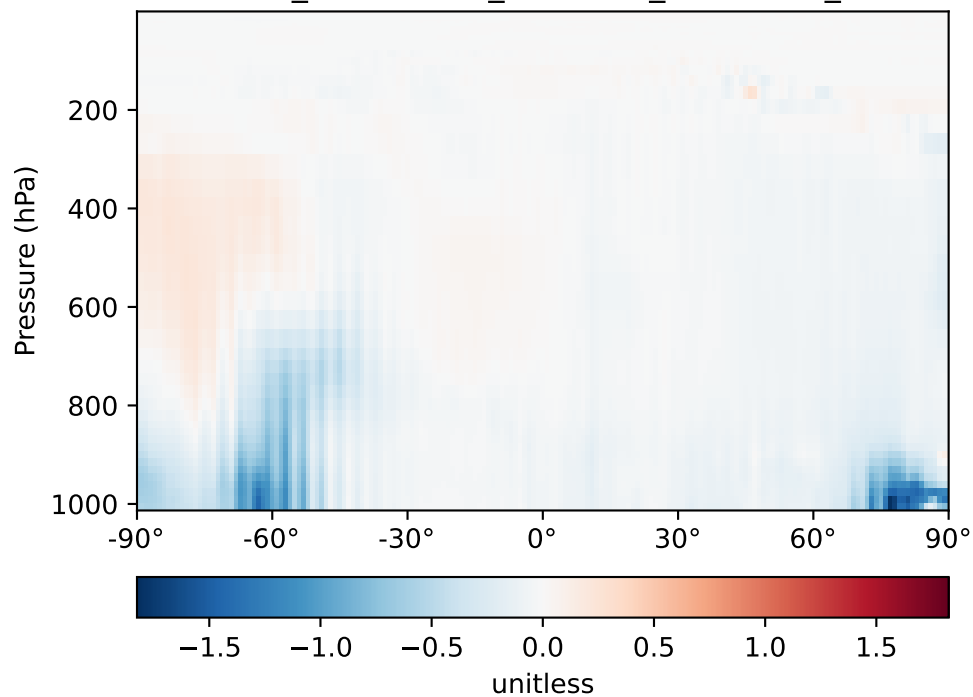
Difference (1x1.25)  
Dev - Ref, Dynamic Range



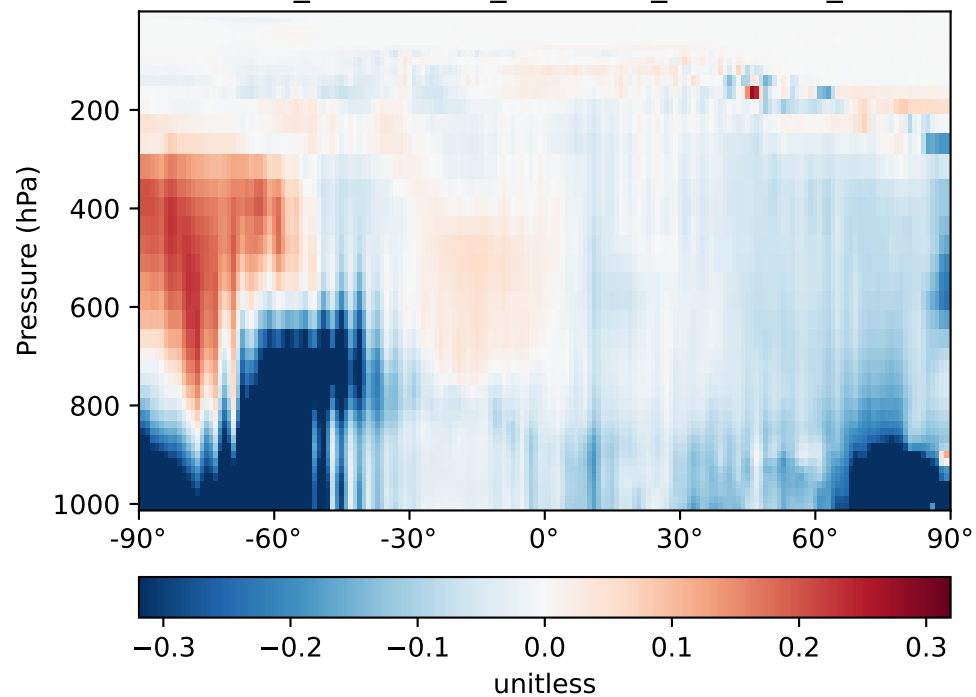
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Difference (1x1.25), Dynamic Range  
GCHP\_dev / GCHP\_ref - GCC\_dev / GCC\_ref

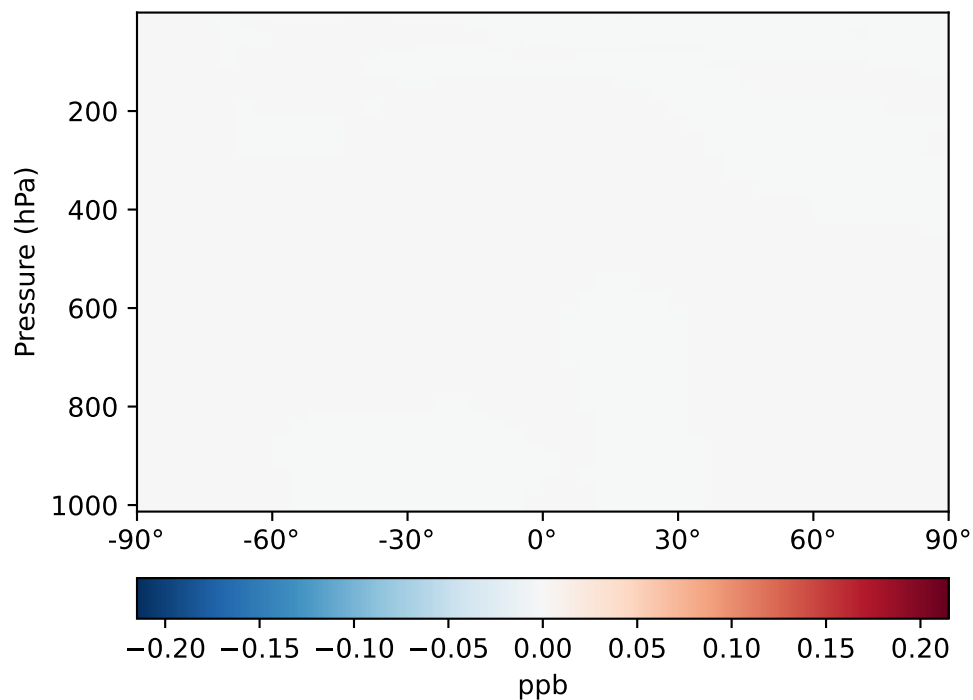


Difference (1x1.25), Restricted Range [5%,95%]  
GCHP\_dev / GCHP\_ref - GCC\_dev / GCC\_ref

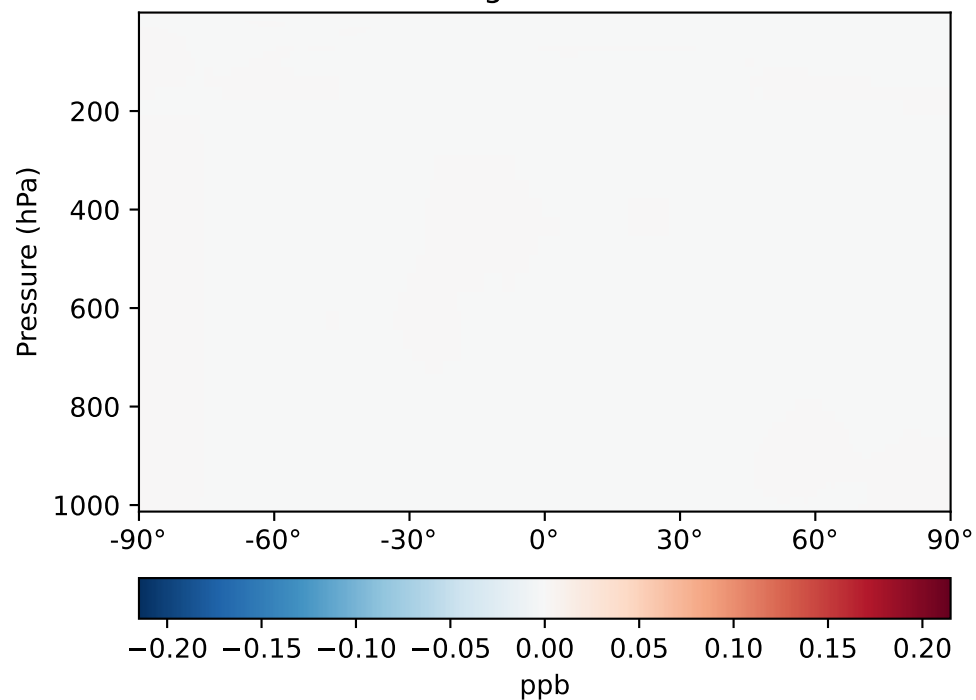


# SpeciesConc\_Cl, Zonal Mean

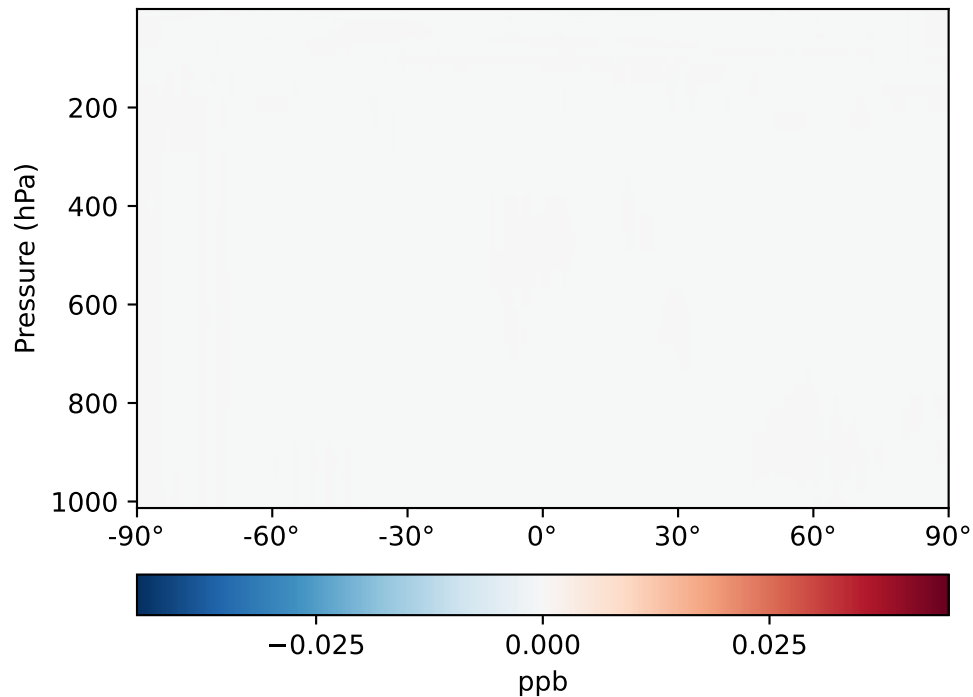
GCC\_13.4.0-rc.3 - GCC\_13.3.0-rc.1 (Ref)  
4.0x5.0



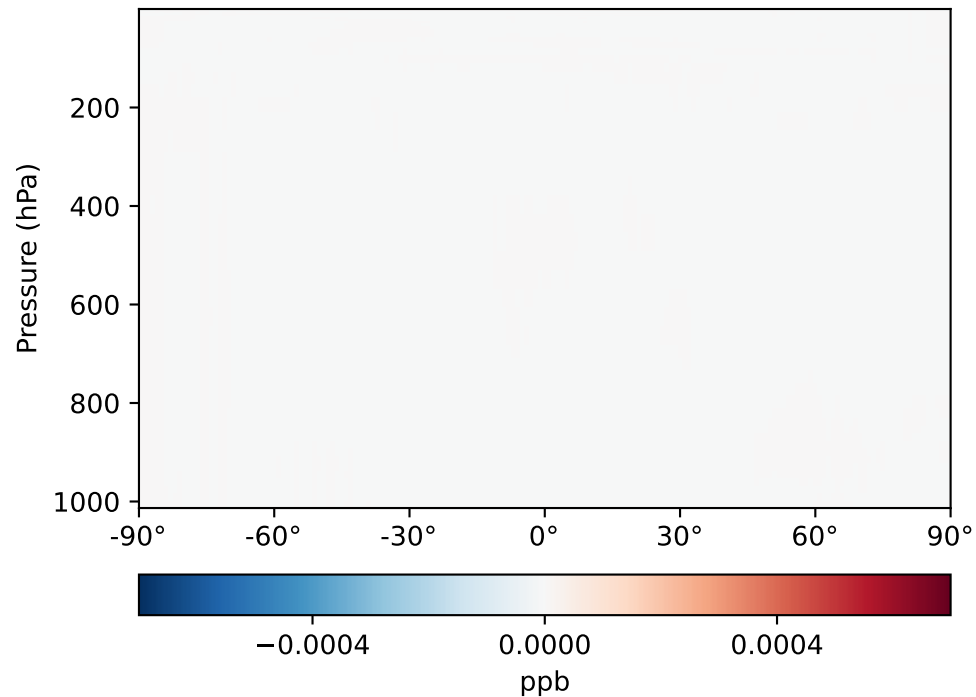
GCHP\_13.4.0-rc.3 - GCHP\_13.3.0-rc.1 (Dev)  
1x1.25 regrided from c48



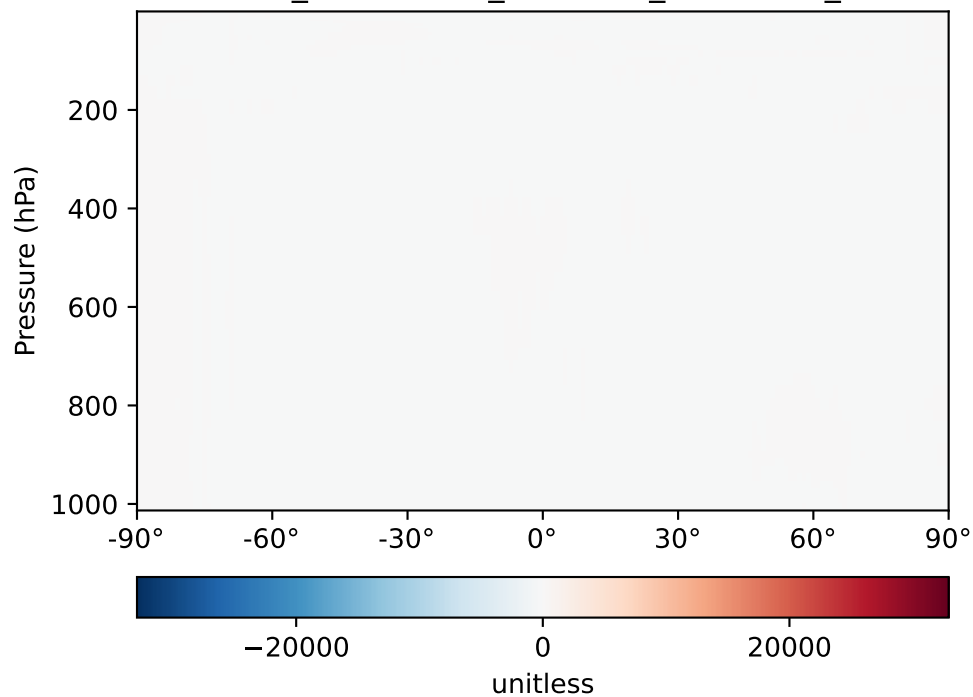
Difference (1x1.25)  
Dev - Ref, Dynamic Range



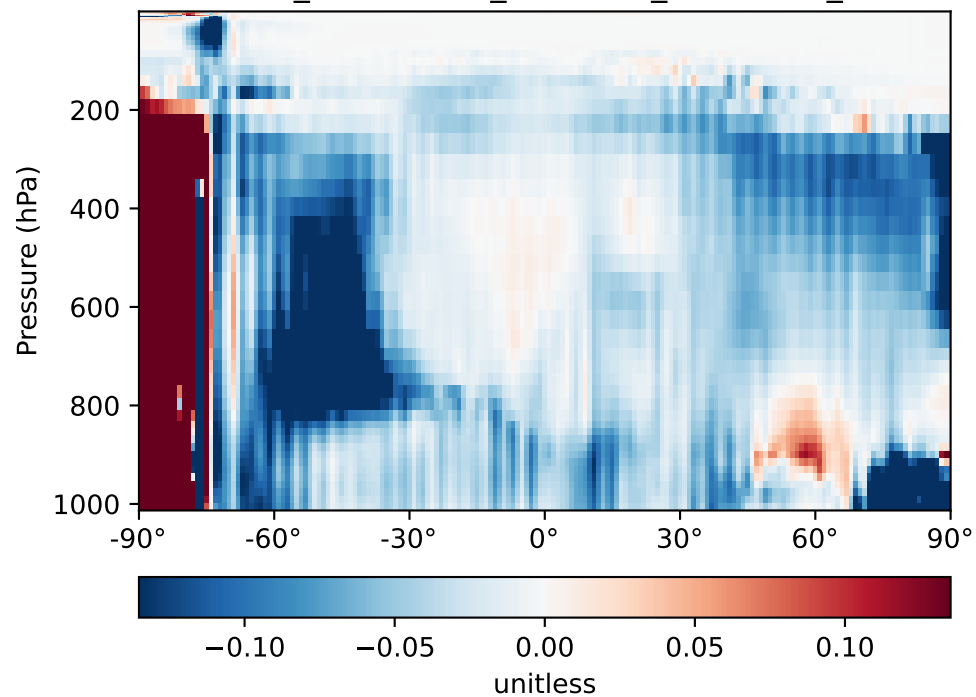
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Difference (1x1.25), Dynamic Range  
GCHP\_dev / GCHP\_ref - GCC\_dev / GCC\_ref

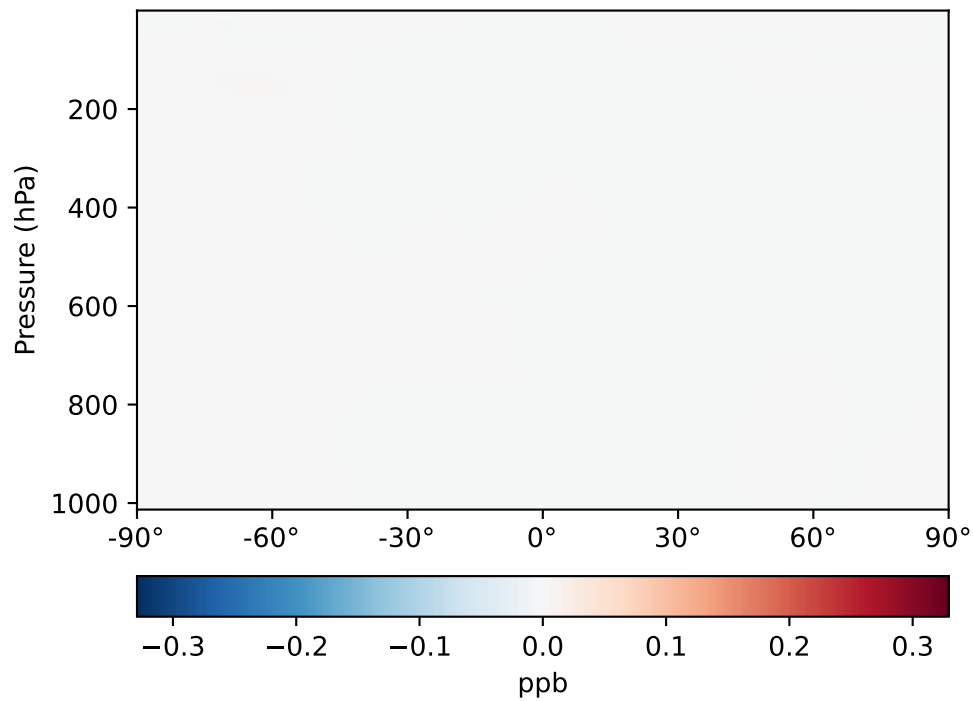


Difference (1x1.25), Restricted Range [5%,95%]  
GCHP\_dev / GCHP\_ref - GCC\_dev / GCC\_ref

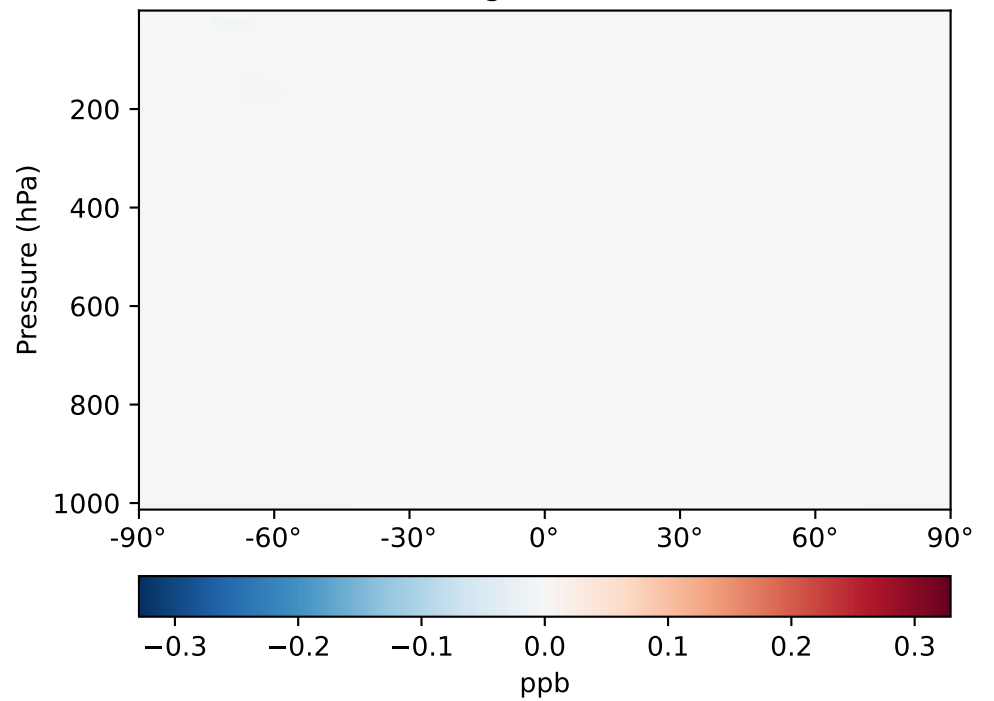


# SpeciesConc\_CIO, Zonal Mean

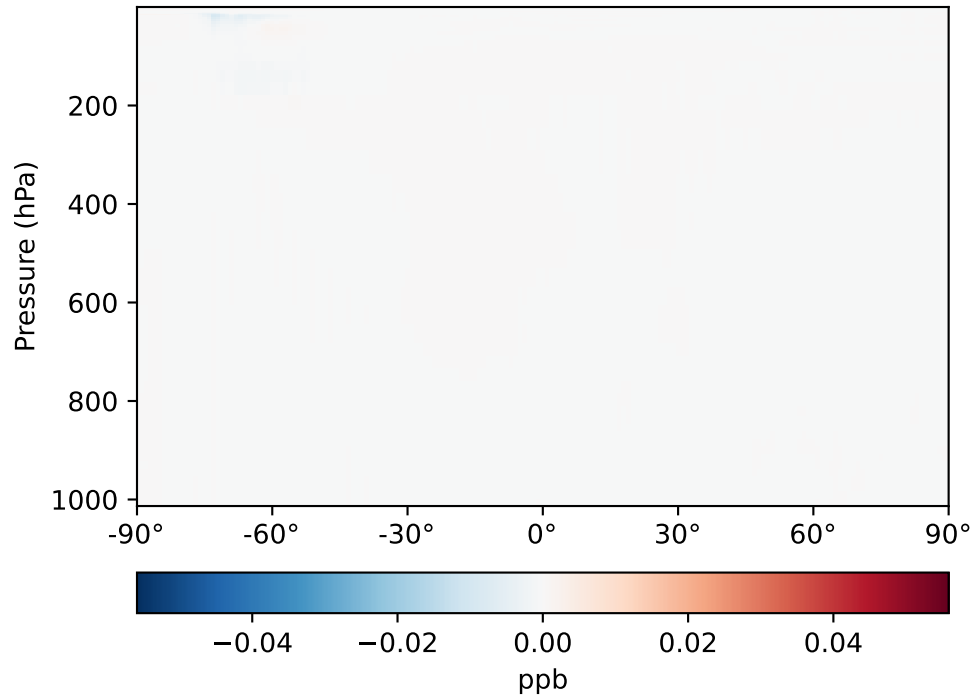
GCC\_13.4.0-rc.3 - GCC\_13.3.0-rc.1 (Ref)  
4.0x5.0



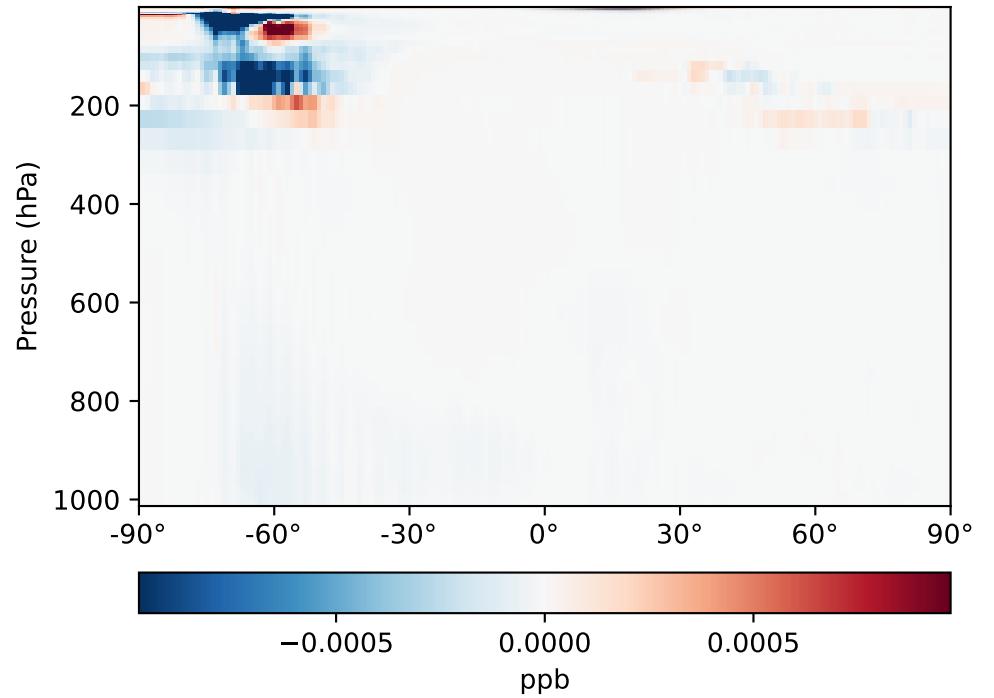
GCHP\_13.4.0-rc.3 - GCHP\_13.3.0-rc.1 (Dev)  
1x1.25 regrided from c48



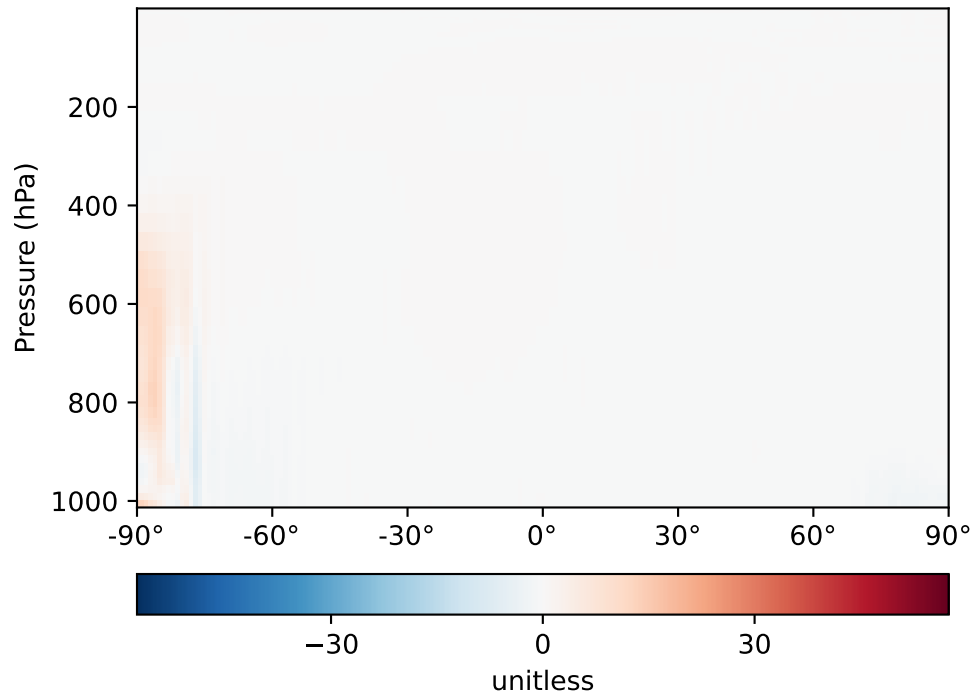
Difference (1x1.25)  
Dev - Ref, Dynamic Range



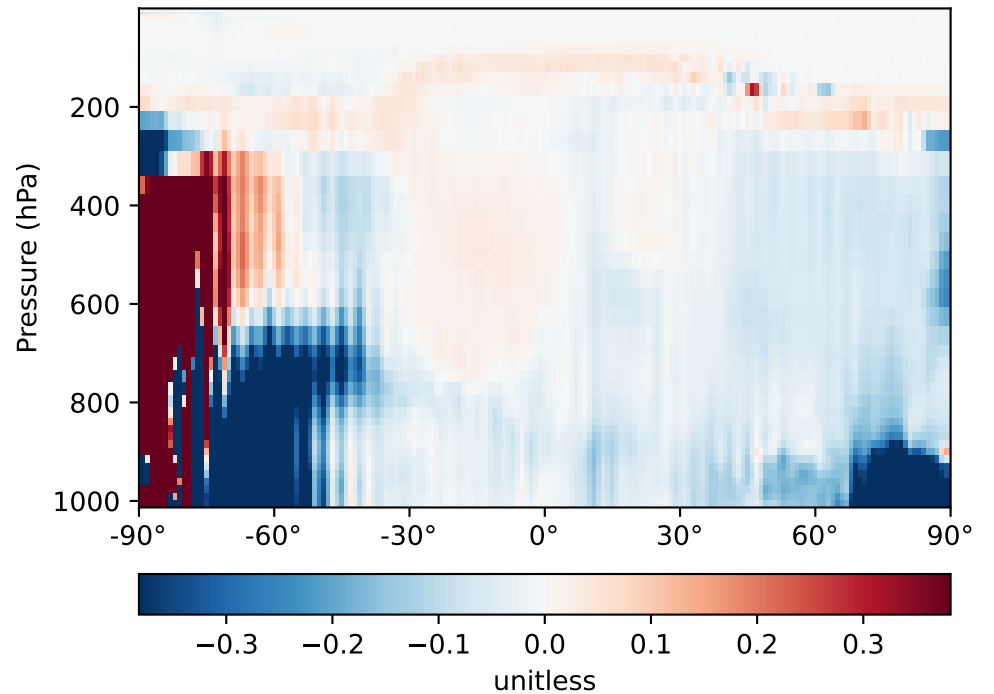
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Difference (1x1.25), Dynamic Range  
GCHP\_dev / GCHP\_ref - GCC\_dev / GCC\_ref

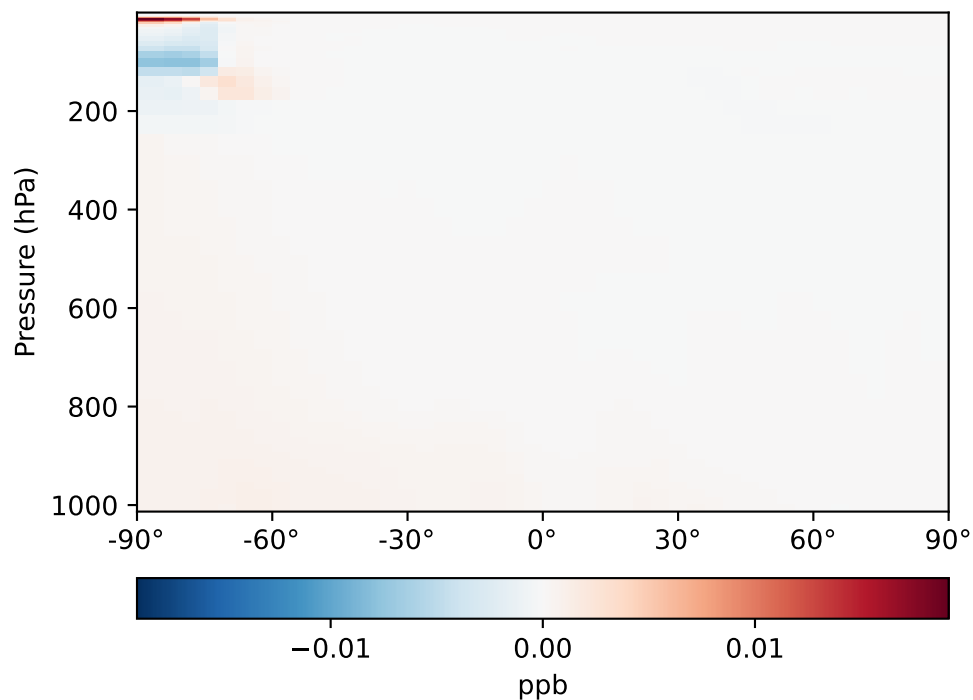


Difference (1x1.25), Restricted Range [5%,95%]  
GCHP\_dev / GCHP\_ref - GCC\_dev / GCC\_ref

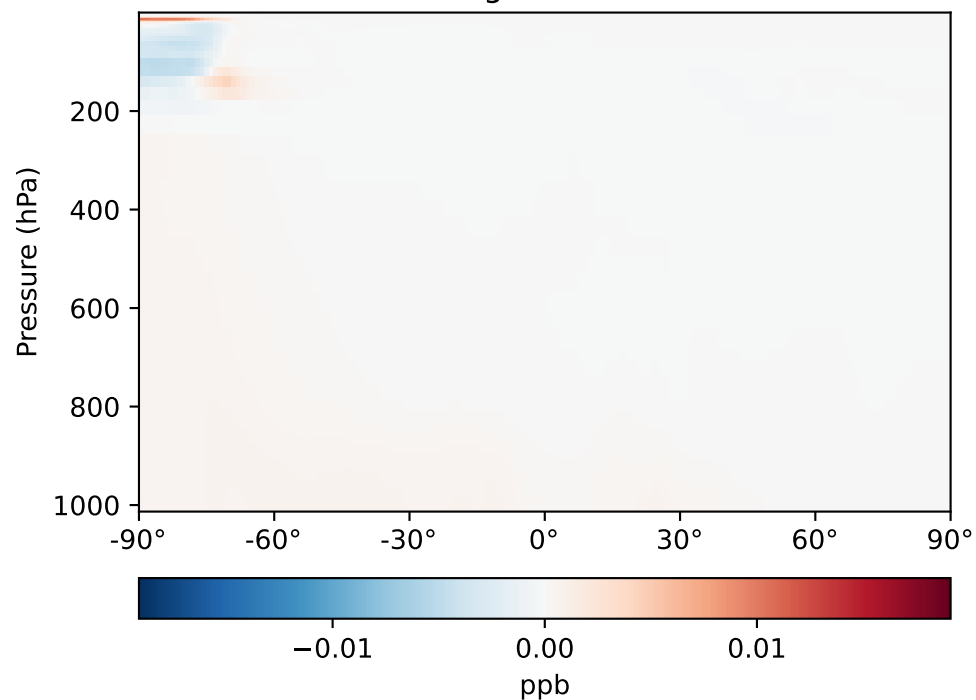


# SpeciesConc\_Cl2, Zonal Mean

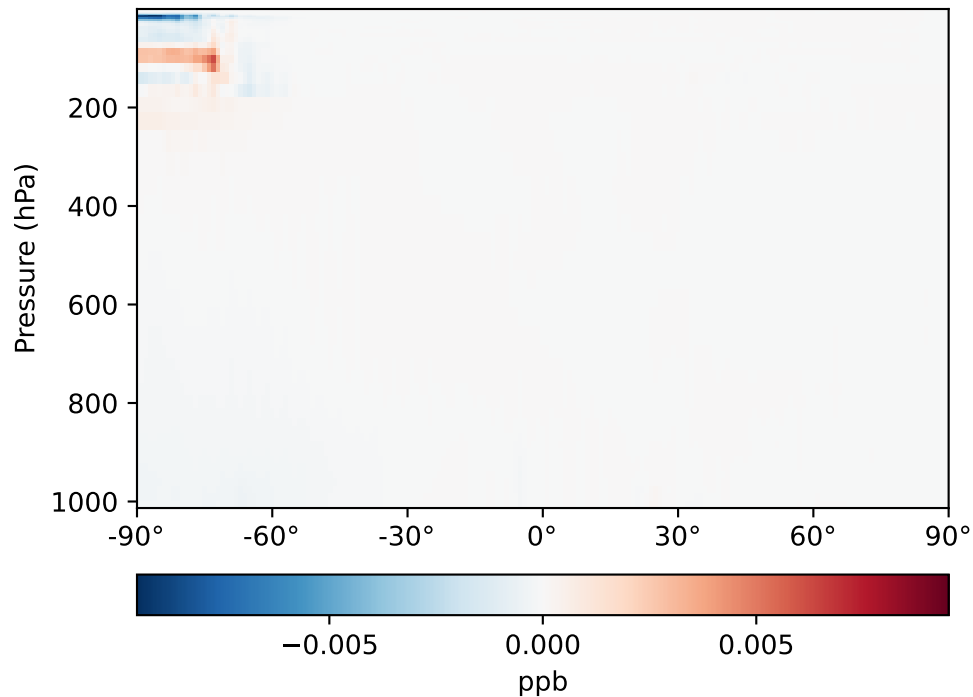
GCC\_13.4.0-rc.3 - GCC\_13.3.0-rc.1 (Ref)  
4.0x5.0



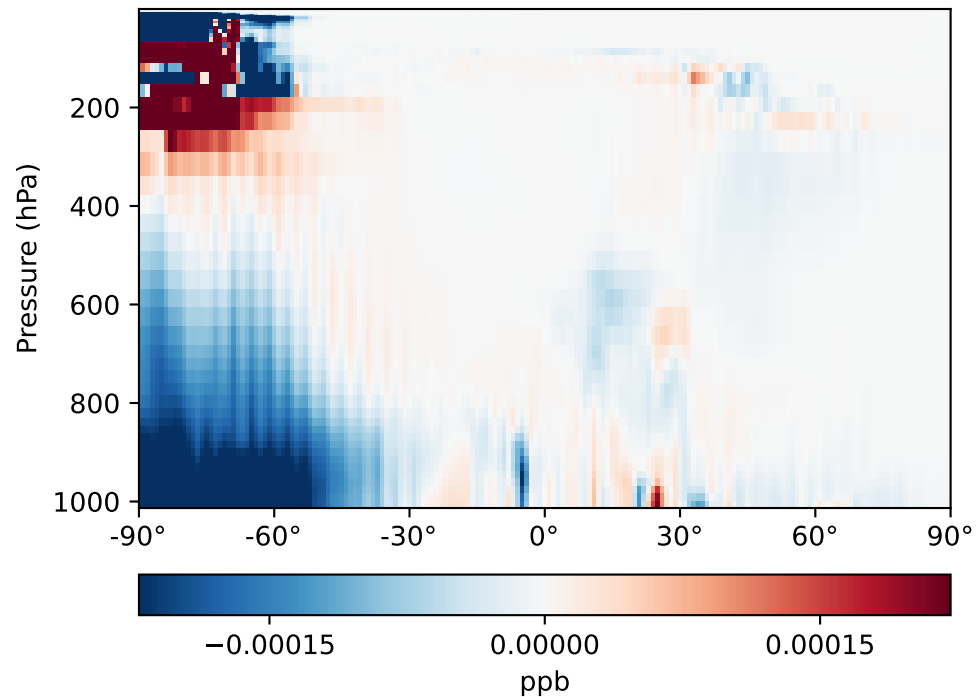
GCHP\_13.4.0-rc.3 - GCHP\_13.3.0-rc.1 (Dev)  
1x1.25 regridged from c48



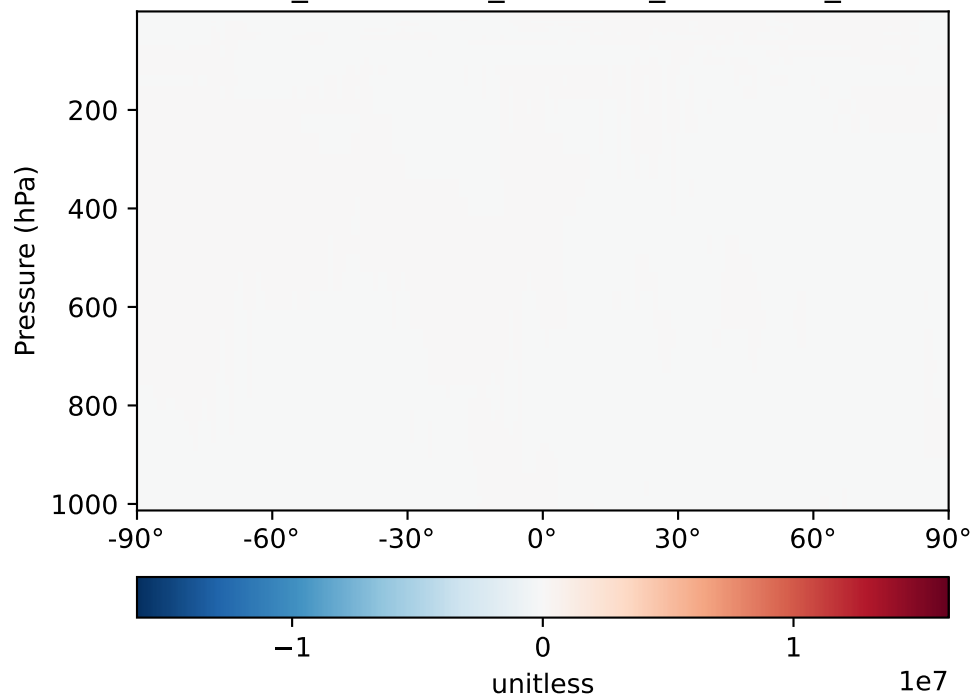
Difference (1x1.25)  
Dev - Ref, Dynamic Range



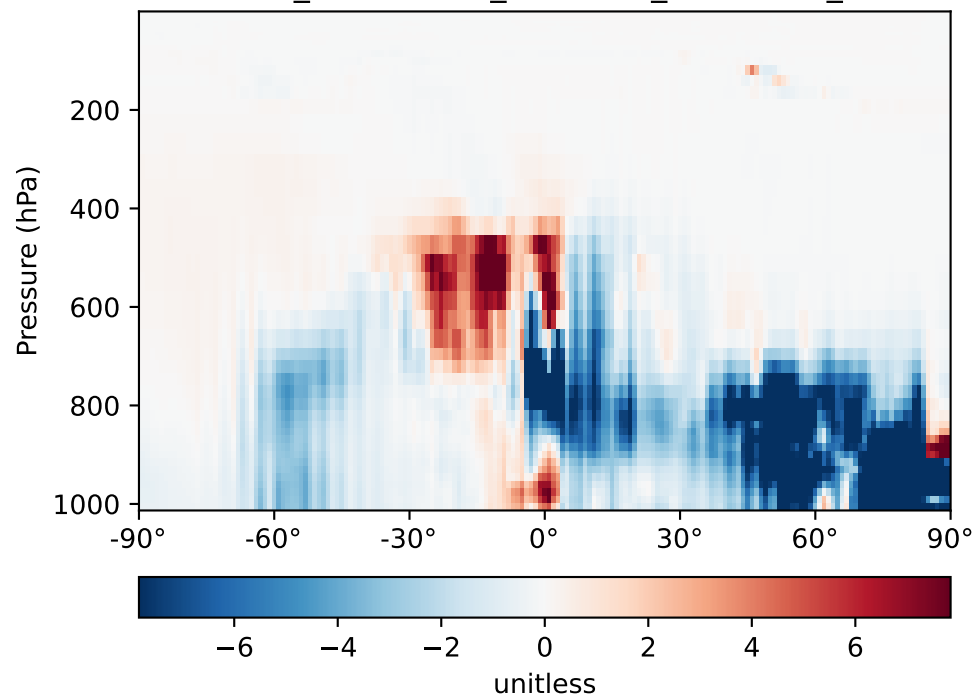
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Difference (1x1.25), Dynamic Range  
GCHP\_dev / GCHP\_ref - GCC\_dev / GCC\_ref

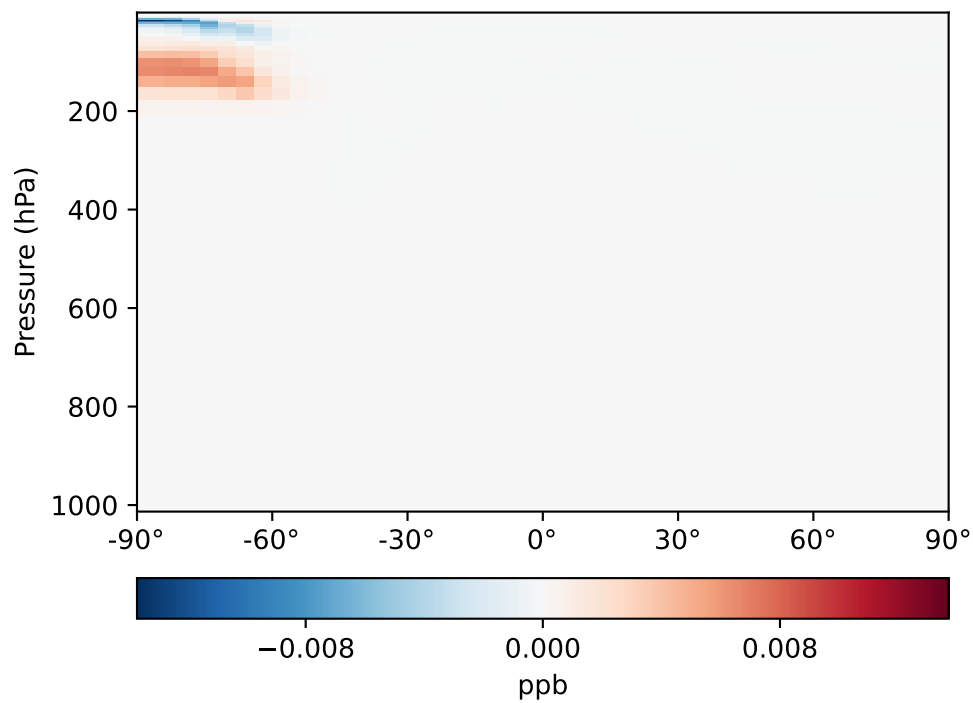


Difference (1x1.25), Restricted Range [5%,95%]  
GCHP\_dev / GCHP\_ref - GCC\_dev / GCC\_ref

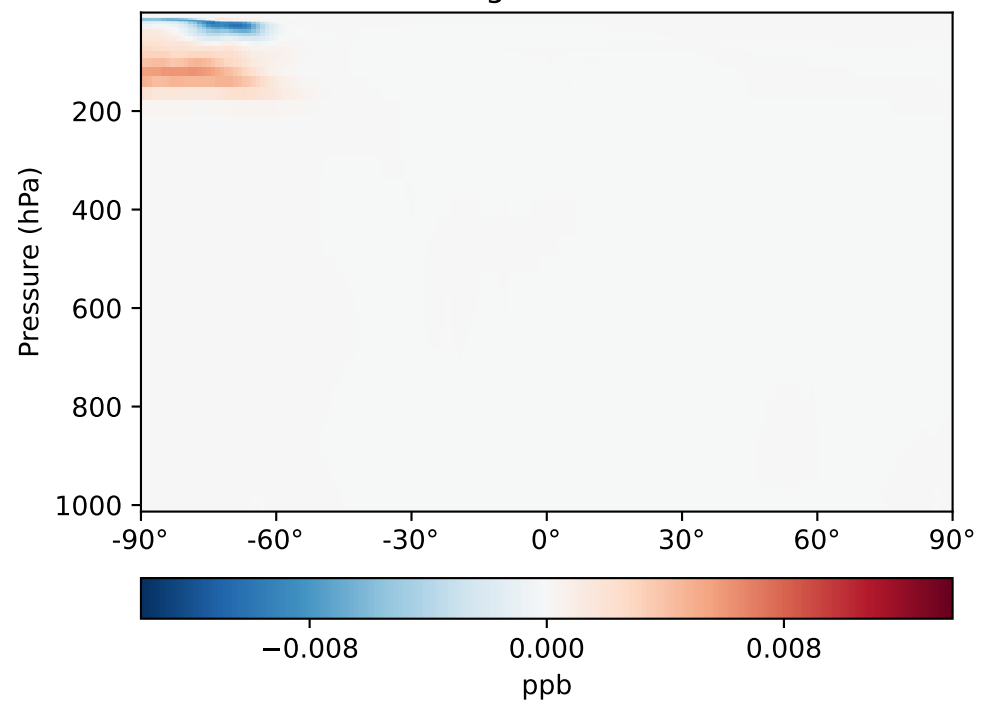


# SpeciesConc\_Cl2O2, Zonal Mean

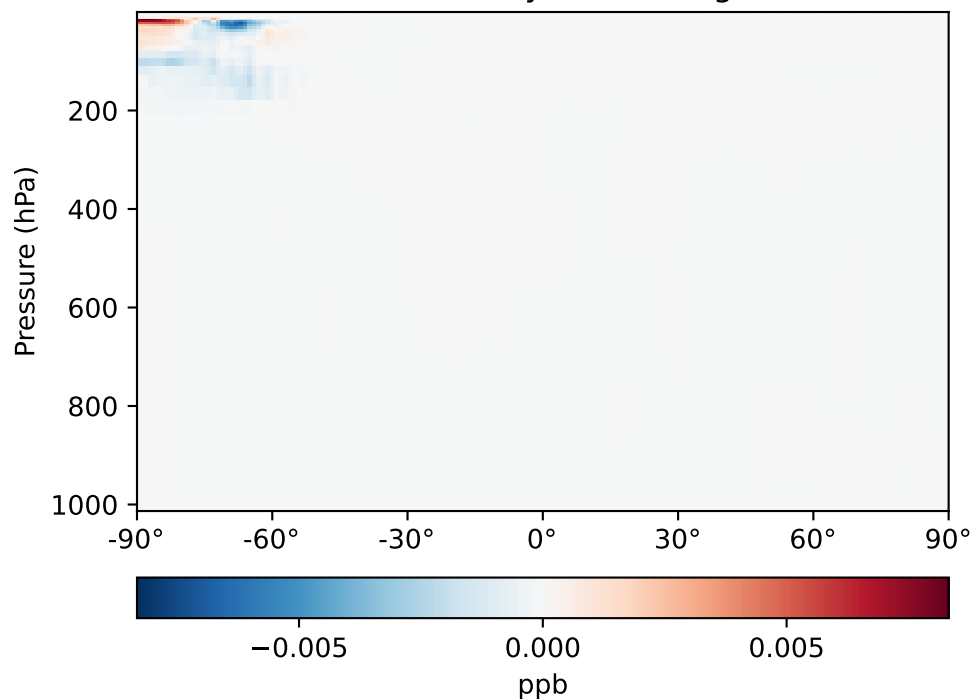
GCC\_13.4.0-rc.3 - GCC\_13.3.0-rc.1 (Ref)  
4.0x5.0



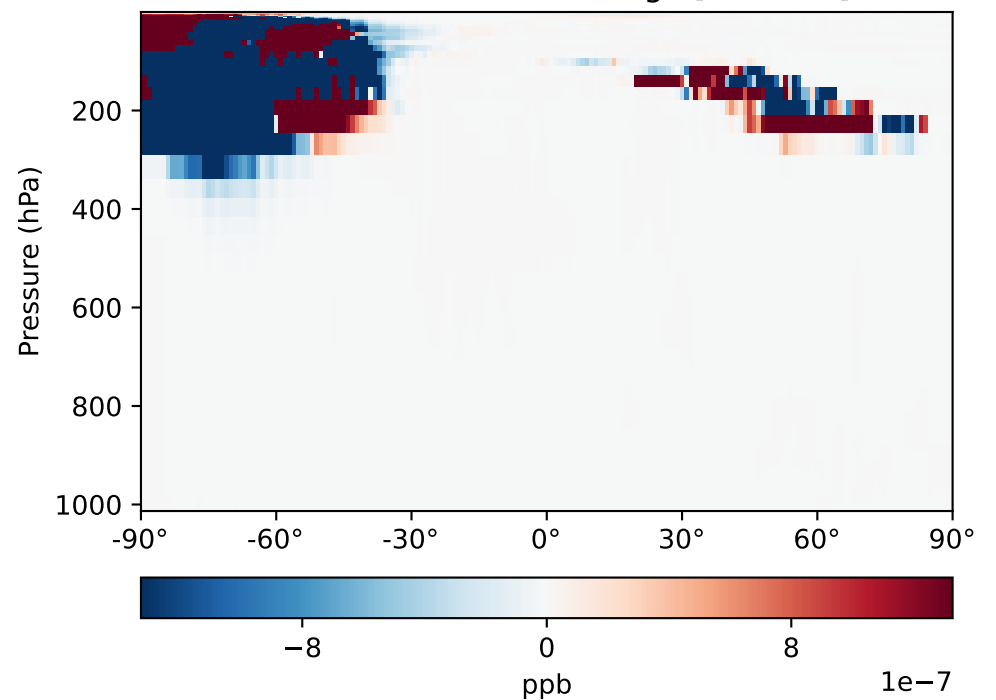
GCHP\_13.4.0-rc.3 - GCHP\_13.3.0-rc.1 (Dev)  
1x1.25 regrided from c48



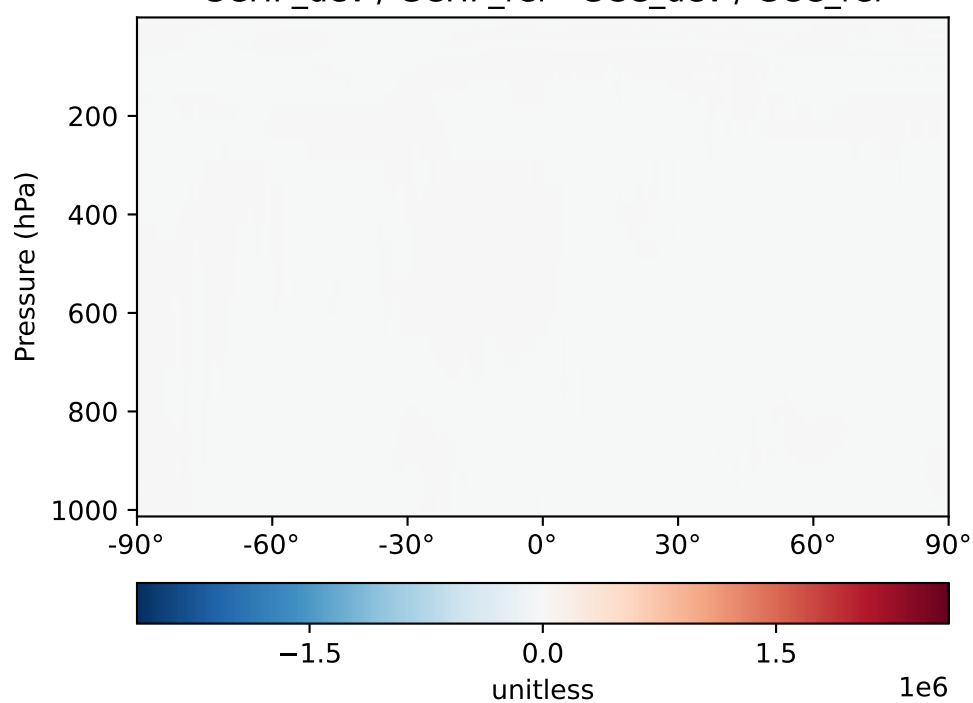
Difference (1x1.25)  
Dev - Ref, Dynamic Range



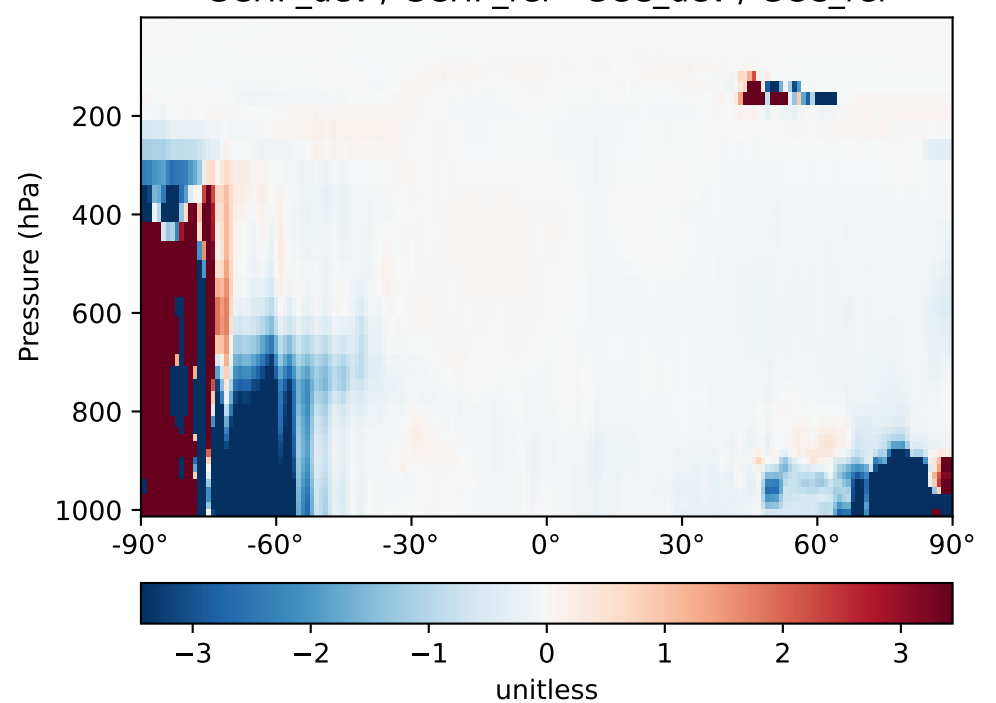
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Difference (1x1.25), Dynamic Range  
GCHP\_dev / GCHP\_ref - GCC\_dev / GCC\_ref

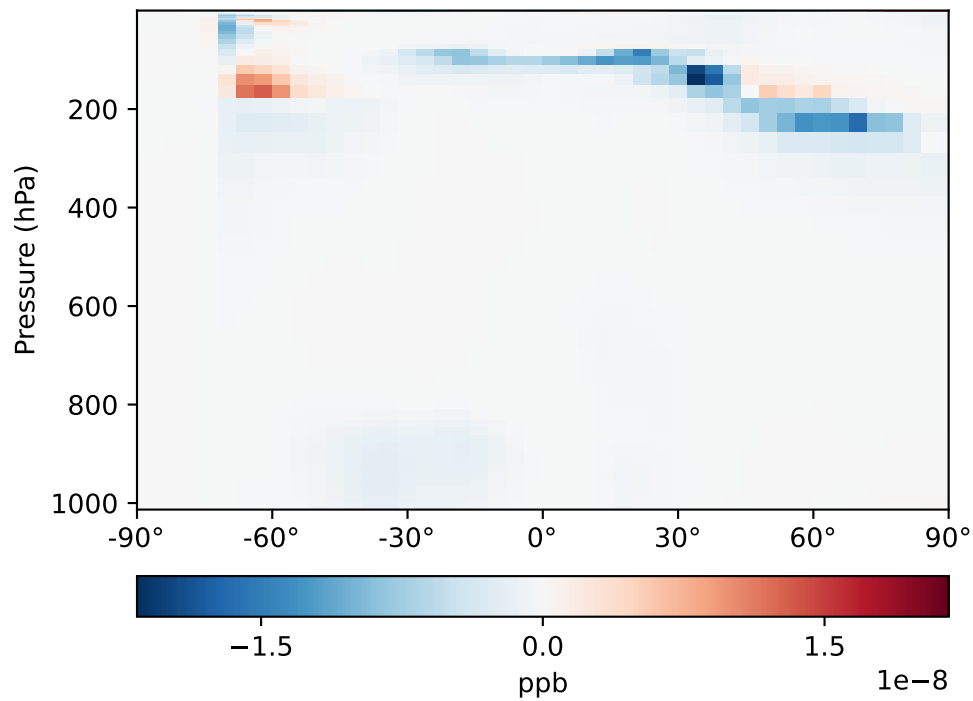


Difference (1x1.25), Restricted Range [5%,95%]  
GCHP\_dev / GCHP\_ref - GCC\_dev / GCC\_ref

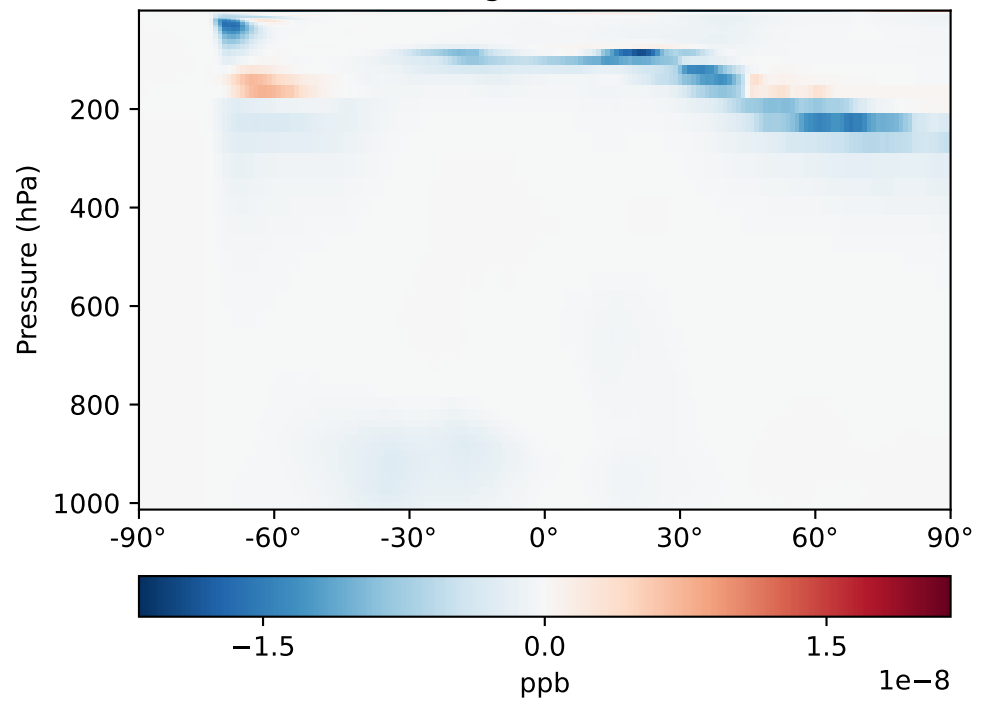


# SpeciesConc\_ClOO, Zonal Mean

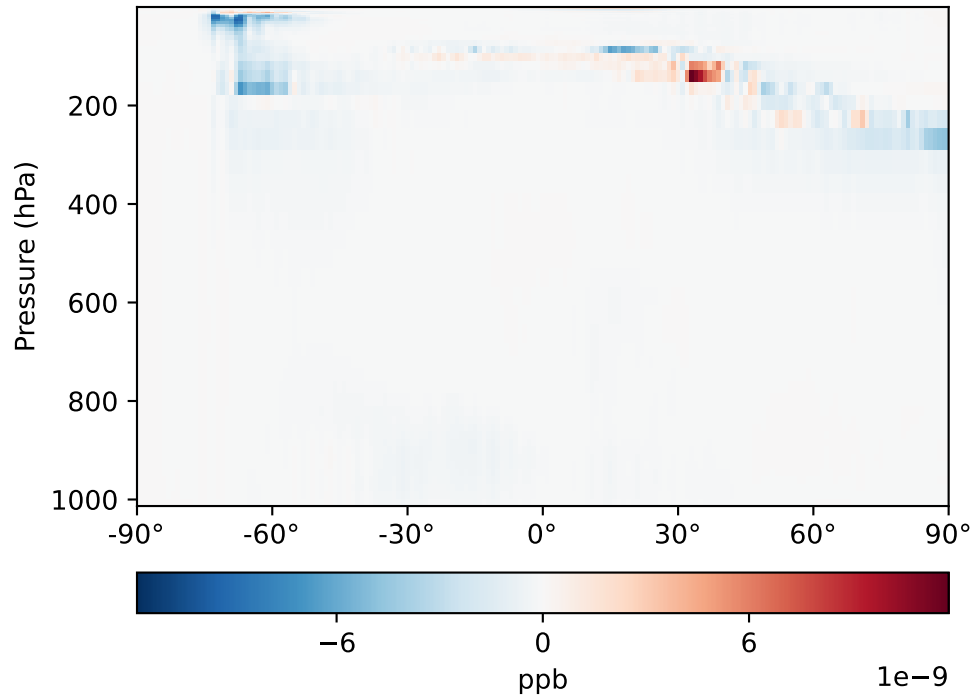
GCC\_13.4.0-rc.3 - GCC\_13.3.0-rc.1 (Ref)  
4.0x5.0



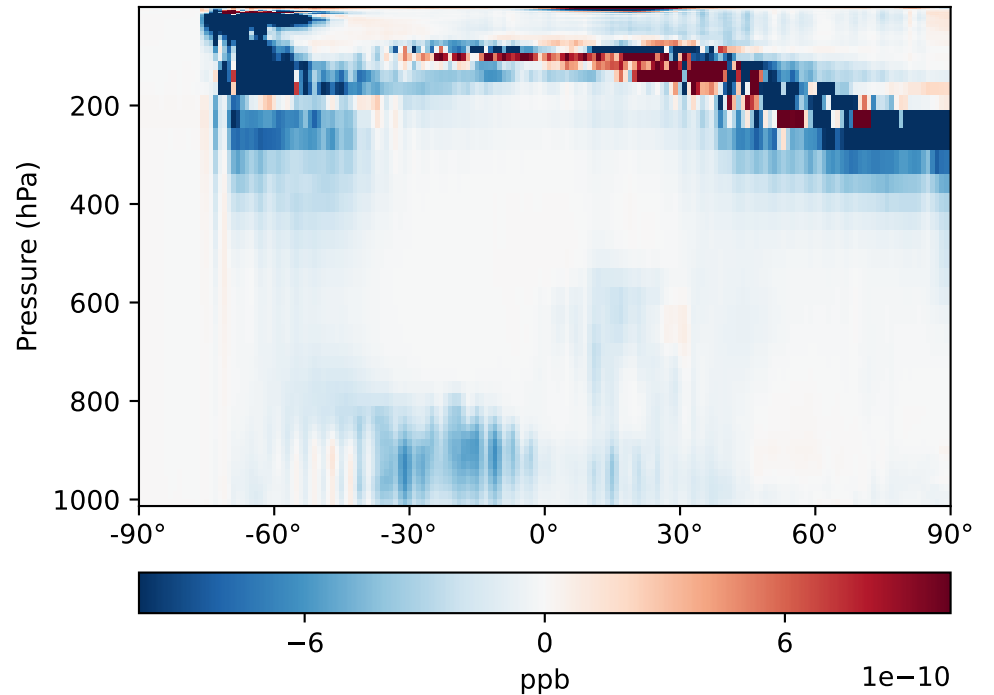
GCHP\_13.4.0-rc.3 - GCHP\_13.3.0-rc.1 (Dev)  
1x1.25 regrided from c48



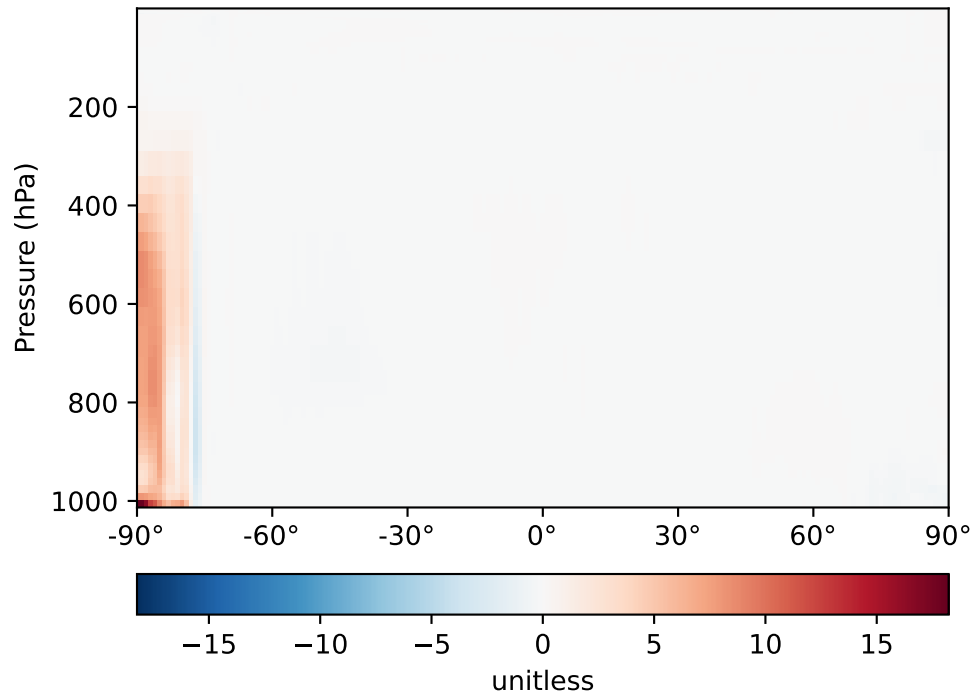
Difference (1x1.25)  
Dev - Ref, Dynamic Range



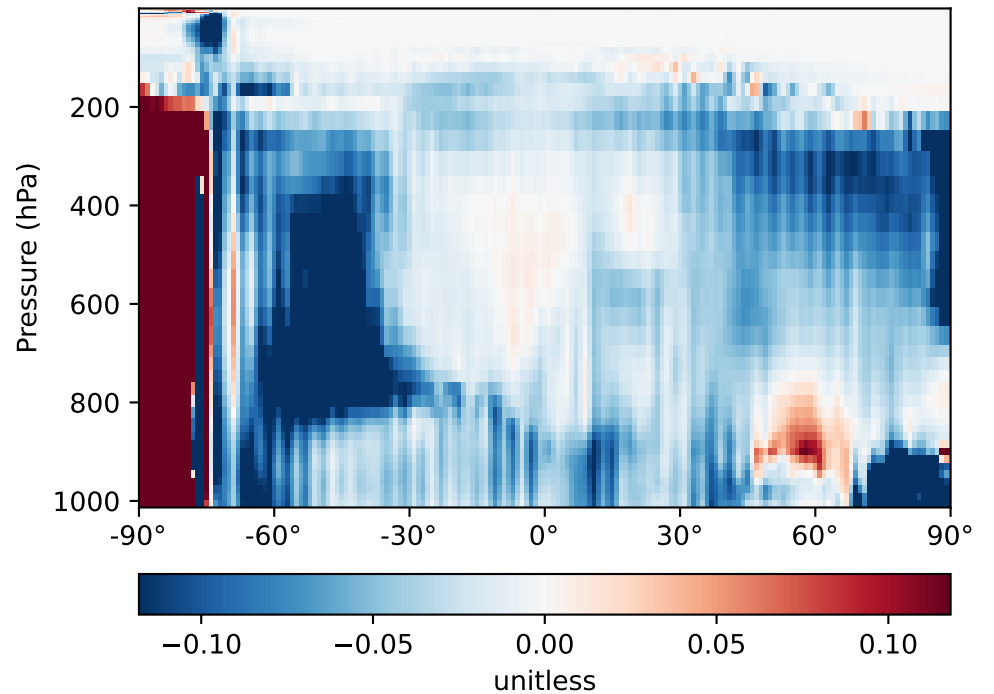
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Difference (1x1.25), Dynamic Range  
GCHP\_dev / GCHP\_ref - GCC\_dev / GCC\_ref

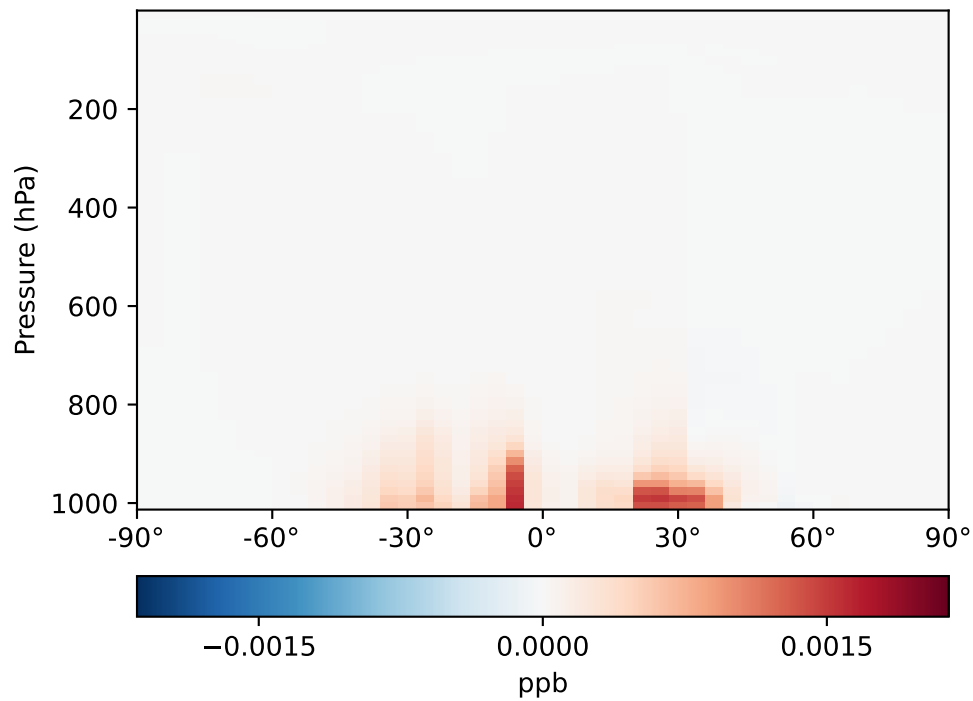


Difference (1x1.25), Restricted Range [5%,95%]  
GCHP\_dev / GCHP\_ref - GCC\_dev / GCC\_ref

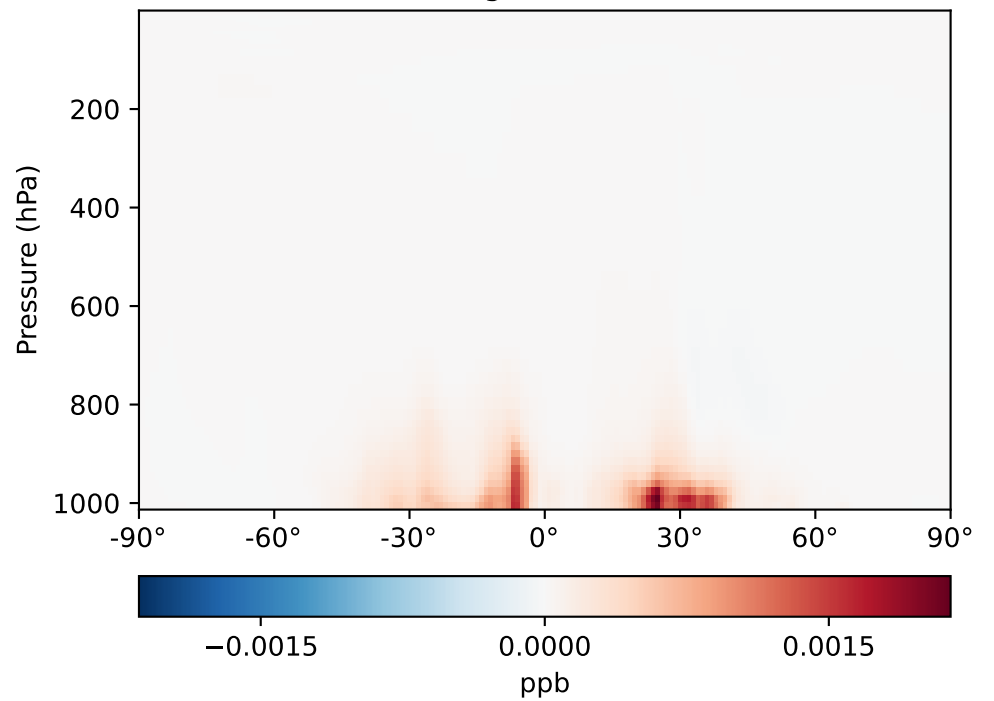


# SpeciesConc\_ClNO2, Zonal Mean

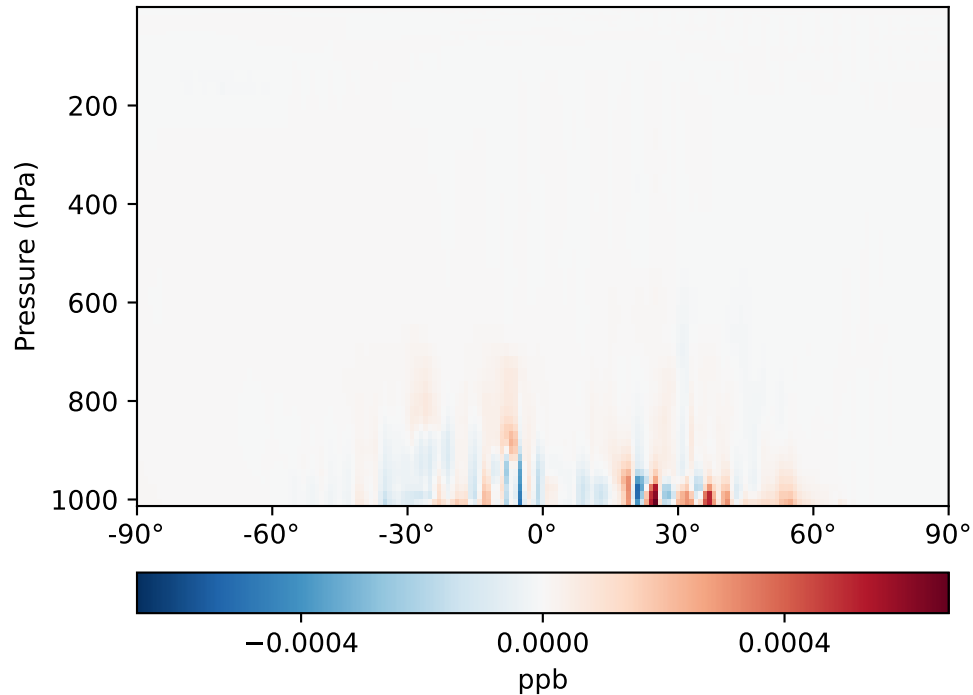
GCC\_13.4.0-rc.3 - GCC\_13.3.0-rc.1 (Ref)  
4.0x5.0



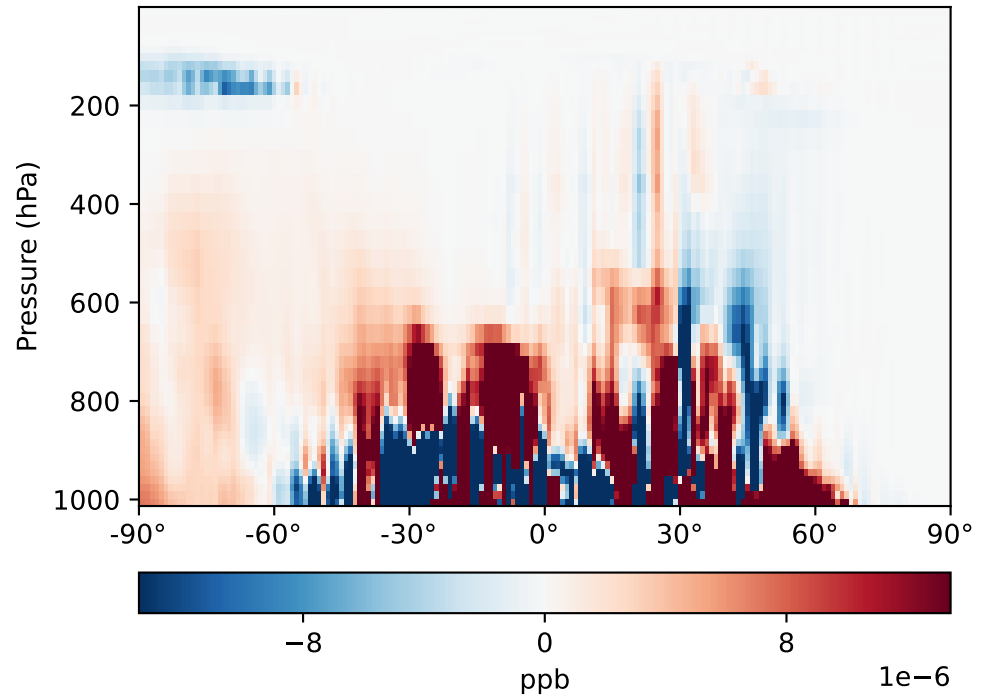
GCHP\_13.4.0-rc.3 - GCHP\_13.3.0-rc.1 (Dev)  
1x1.25 regrided from c48



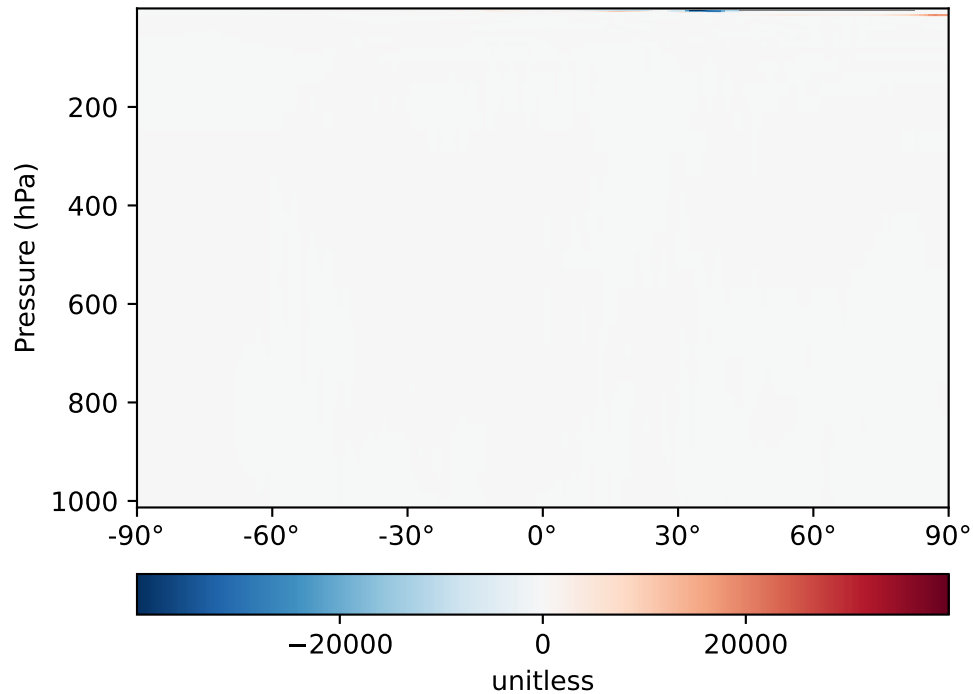
Difference (1x1.25)  
Dev - Ref, Dynamic Range



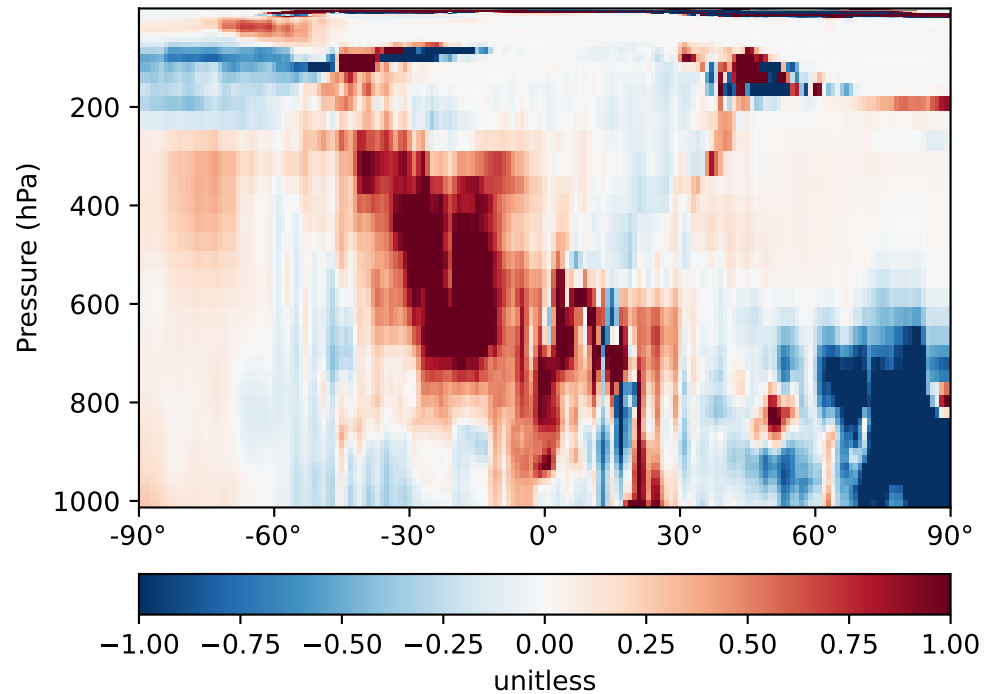
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Difference (1x1.25), Dynamic Range  
GCHP\_dev / GCHP\_ref - GCC\_dev / GCC\_ref



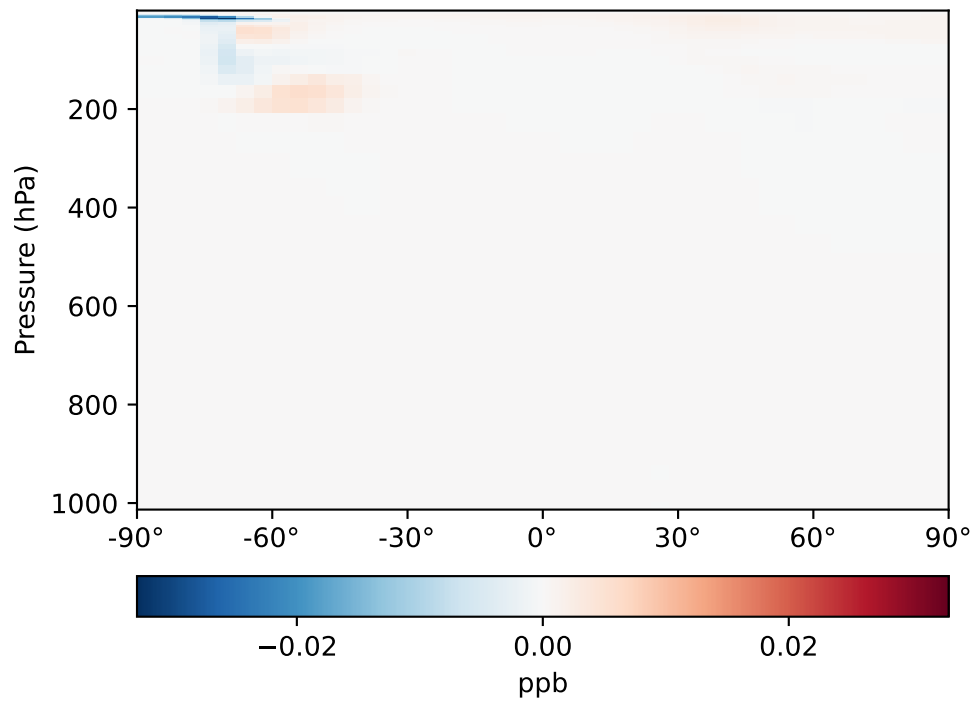
Difference (1x1.25), Restricted Range [5%,95%]  
GCHP\_dev / GCHP\_ref - GCC\_dev / GCC\_ref



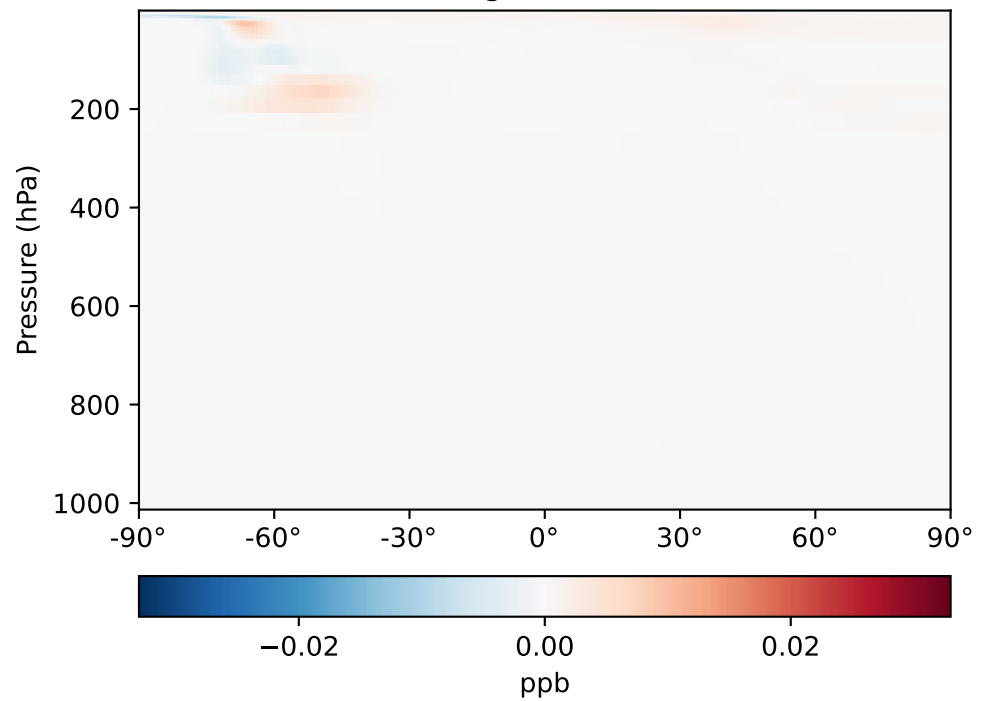


# SpeciesConc\_ClNO3, Zonal Mean

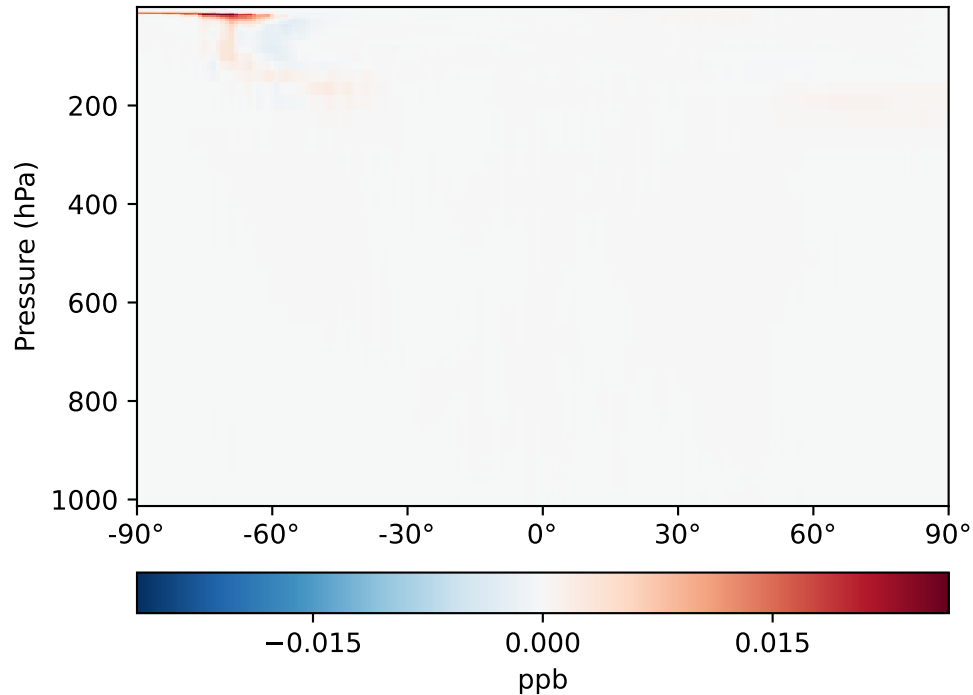
GCC\_13.4.0-rc.3 - GCC\_13.3.0-rc.1 (Ref)  
4.0x5.0



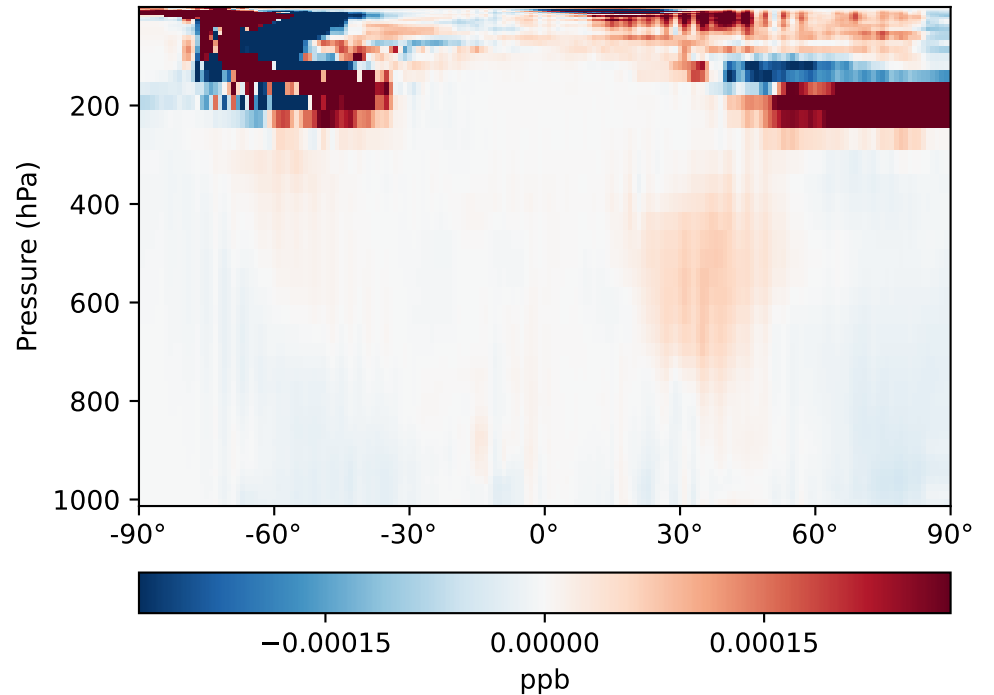
GCHP\_13.4.0-rc.3 - GCHP\_13.3.0-rc.1 (Dev)  
1x1.25 regrided from c48



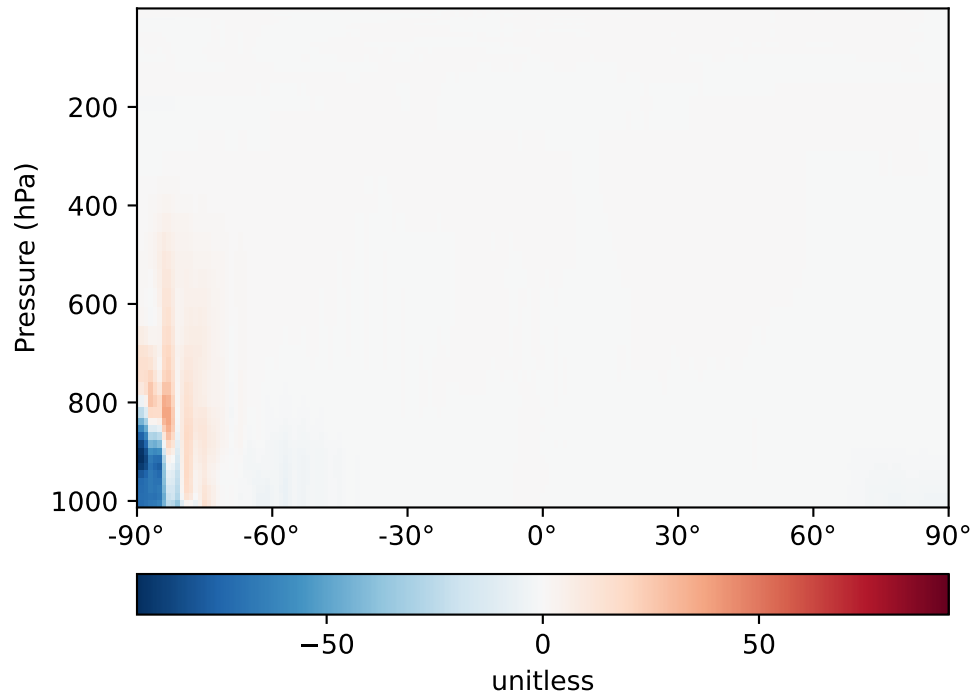
Difference (1x1.25)  
Dev - Ref, Dynamic Range



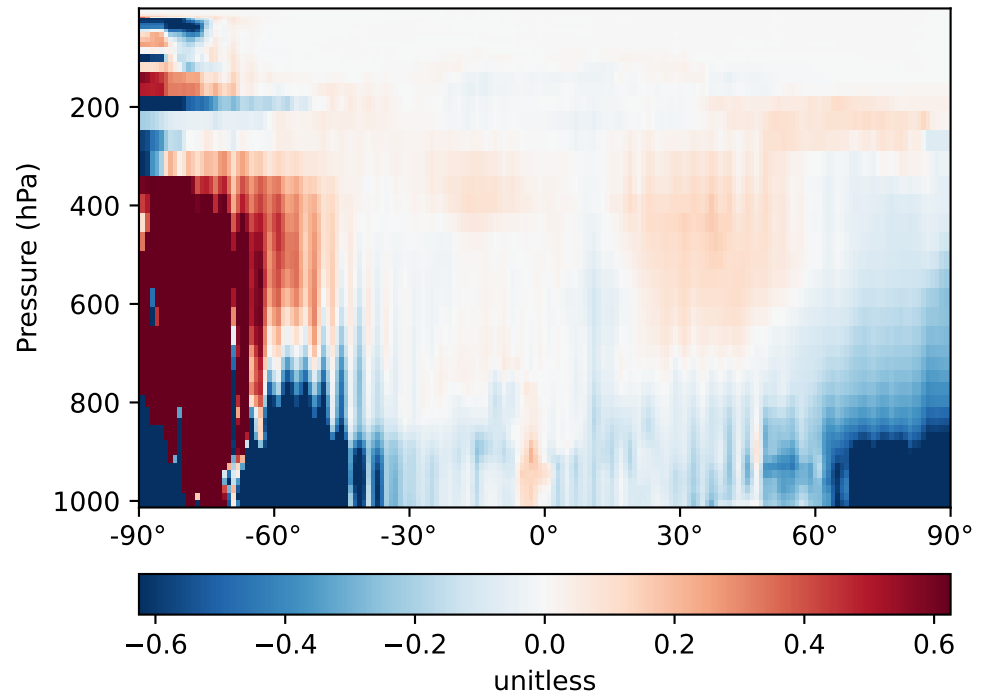
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Difference (1x1.25), Dynamic Range  
GCHP\_dev / GCHP\_ref - GCC\_dev / GCC\_ref

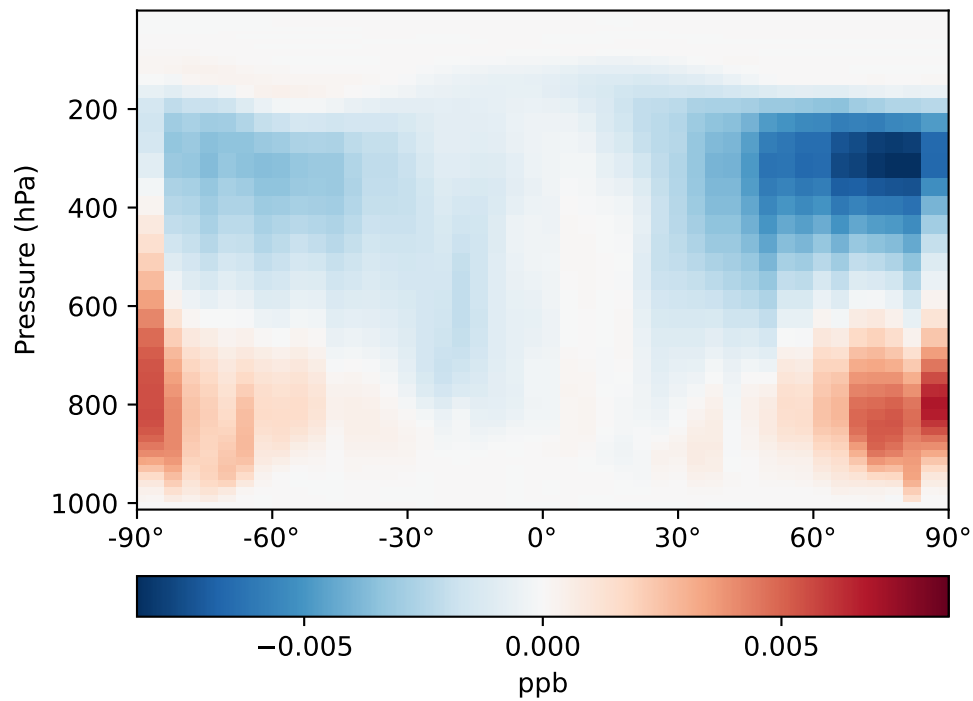


Difference (1x1.25), Restricted Range [5%,95%]  
GCHP\_dev / GCHP\_ref - GCC\_dev / GCC\_ref

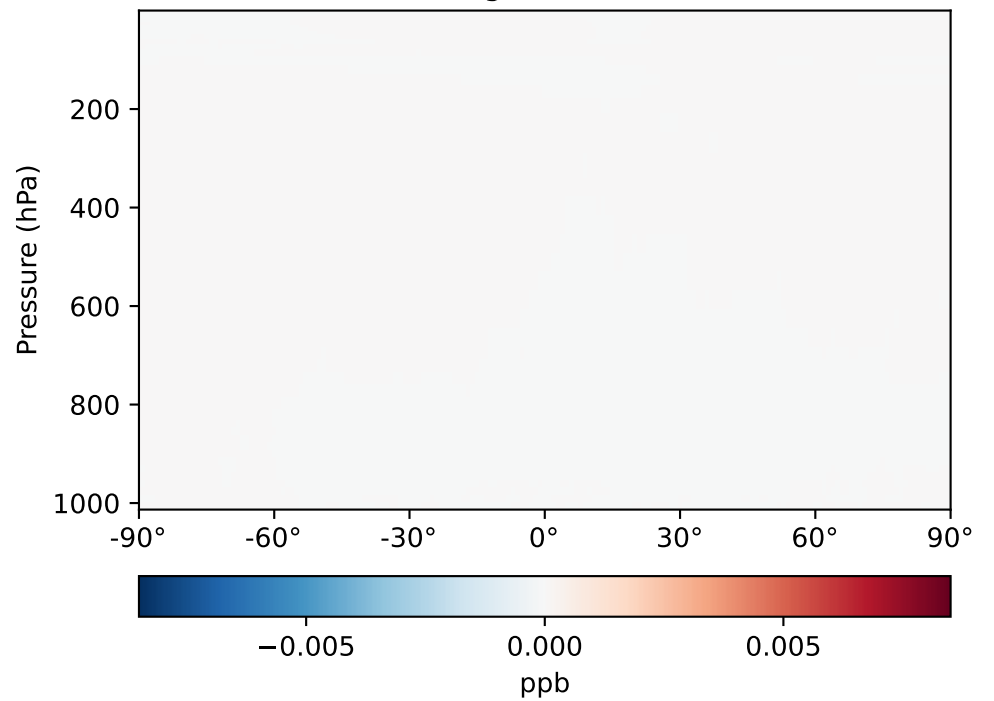


# SpeciesConc\_CCl4, Zonal Mean

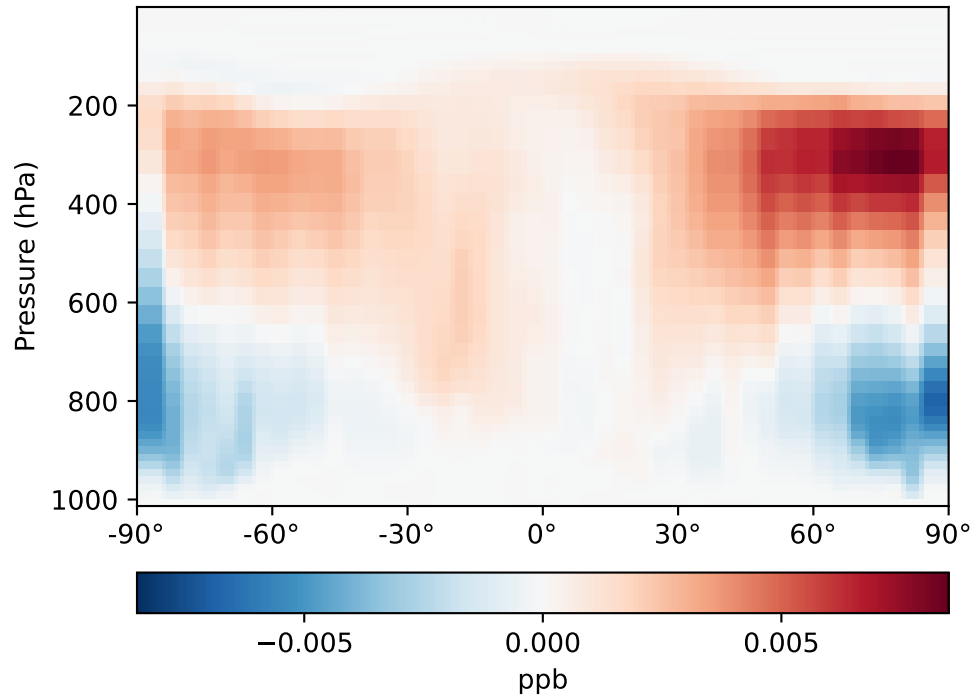
GCC\_13.4.0-rc.3 - GCC\_13.3.0-rc.1 (Ref)  
4.0x5.0



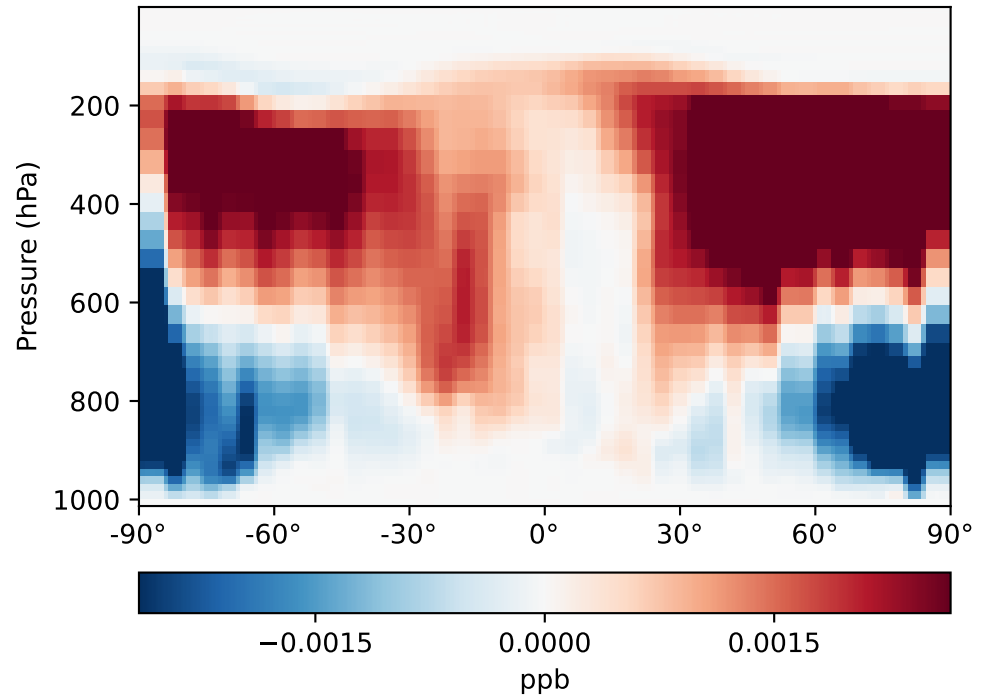
GCHP\_13.4.0-rc.3 - GCHP\_13.3.0-rc.1 (Dev)  
1x1.25 regrided from c48



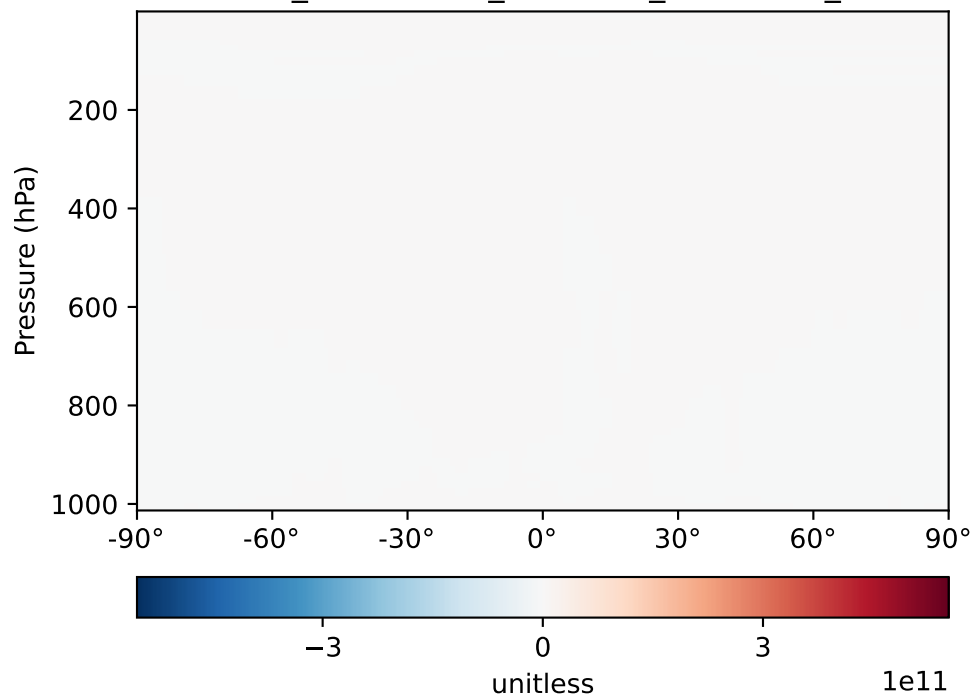
Difference (1x1.25)  
Dev - Ref, Dynamic Range



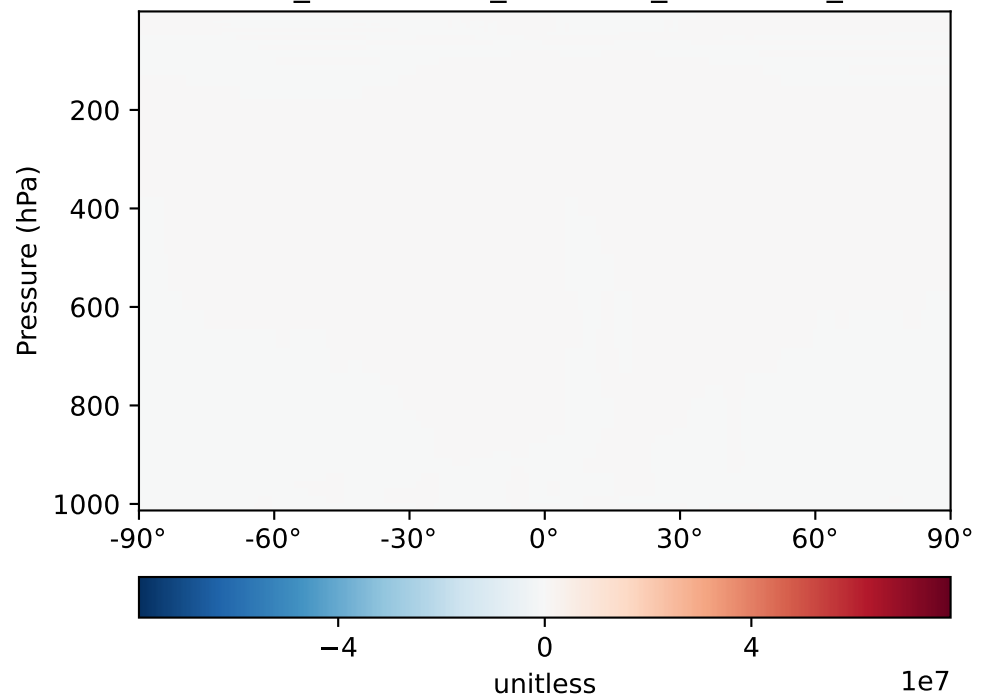
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Difference (1x1.25), Dynamic Range  
GCHP\_dev / GCHP\_ref - GCC\_dev / GCC\_ref

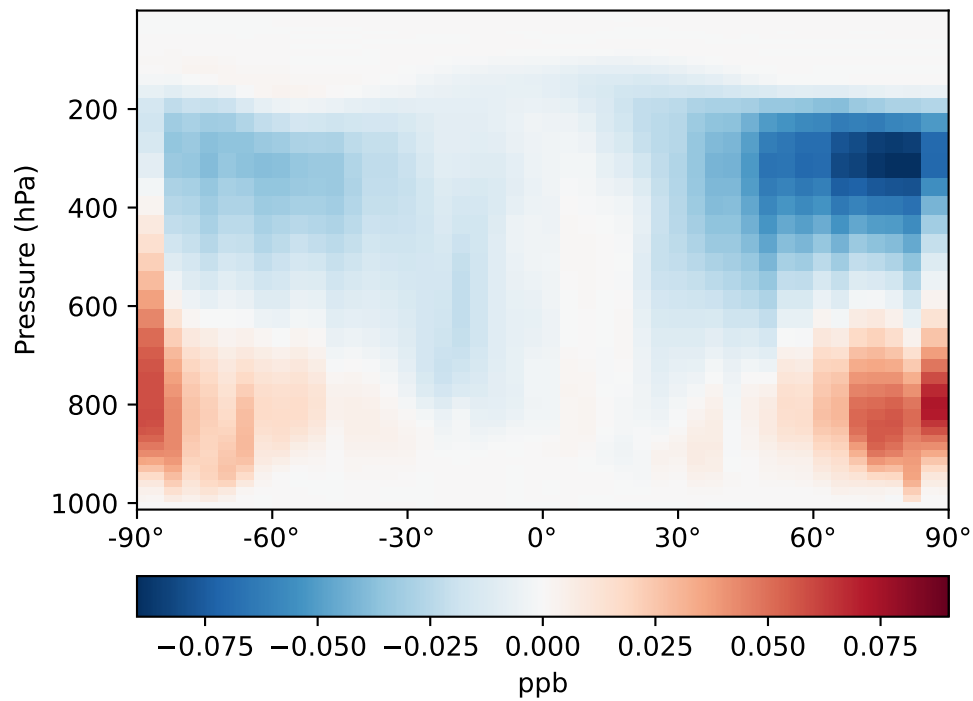


Difference (1x1.25), Restricted Range [5%,95%]  
GCHP\_dev / GCHP\_ref - GCC\_dev / GCC\_ref

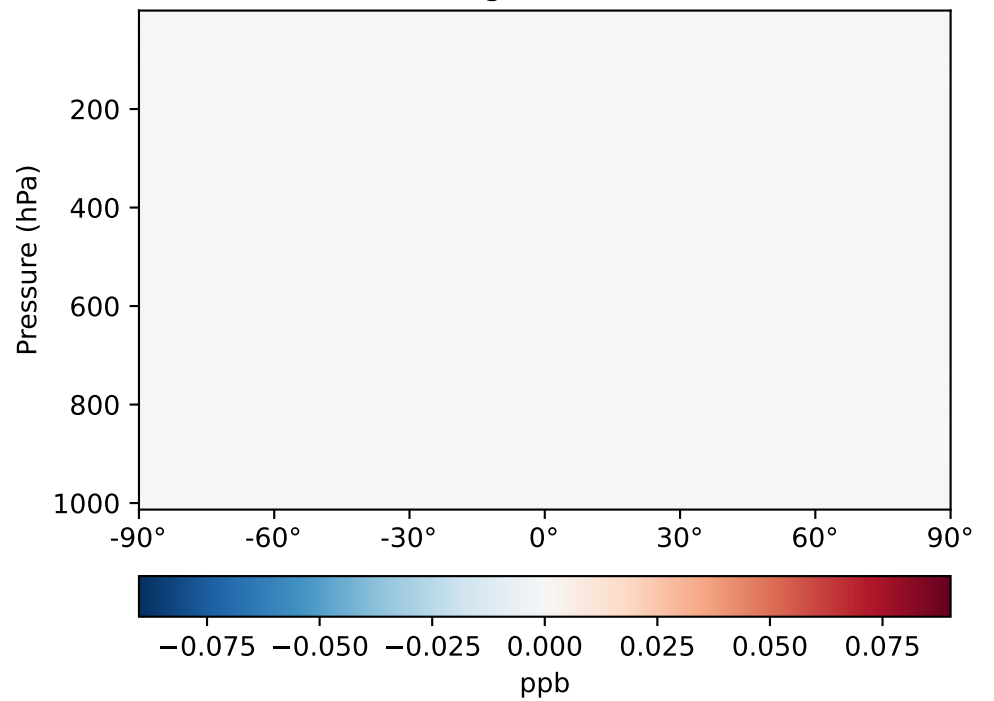


# SpeciesConc\_CFCs, Zonal Mean

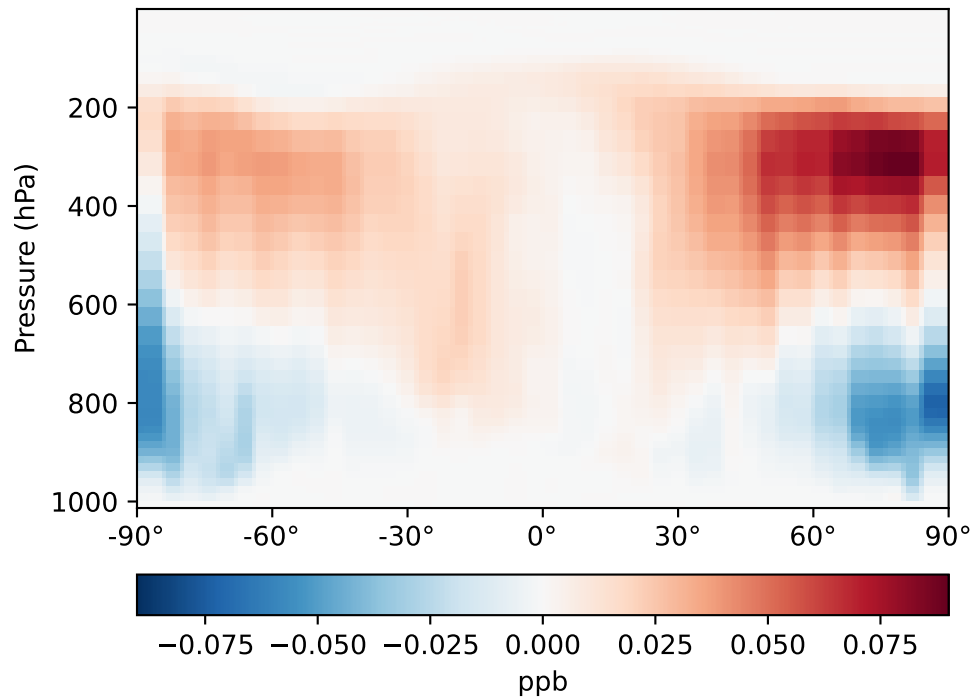
GCC\_13.4.0-rc.3 - GCC\_13.3.0-rc.1 (Ref)  
4.0x5.0



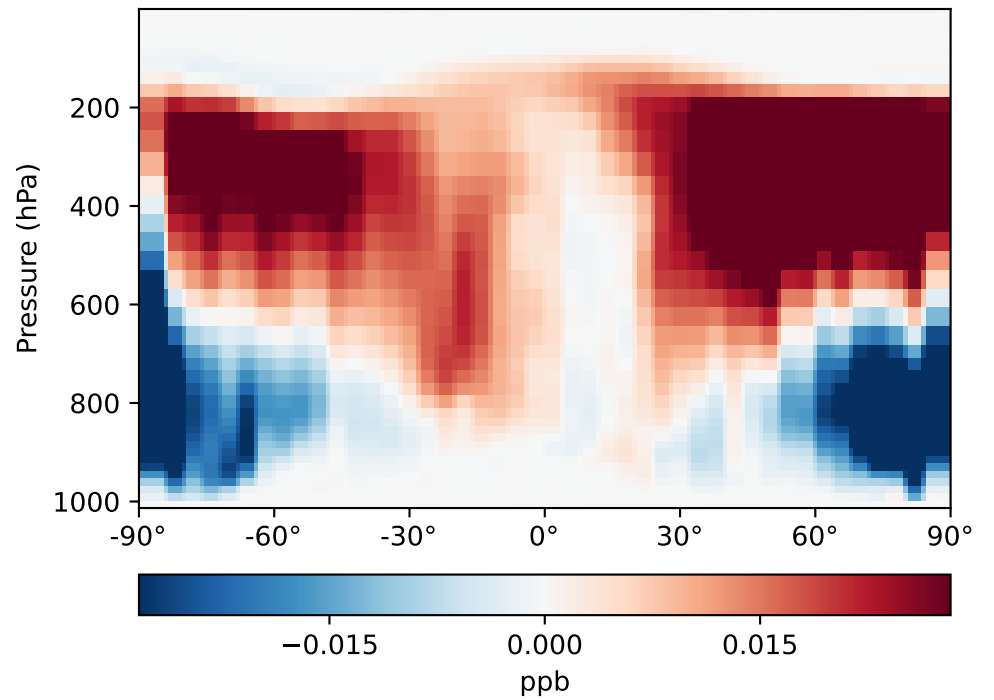
GCHP\_13.4.0-rc.3 - GCHP\_13.3.0-rc.1 (Dev)  
1x1.25 regrided from c48



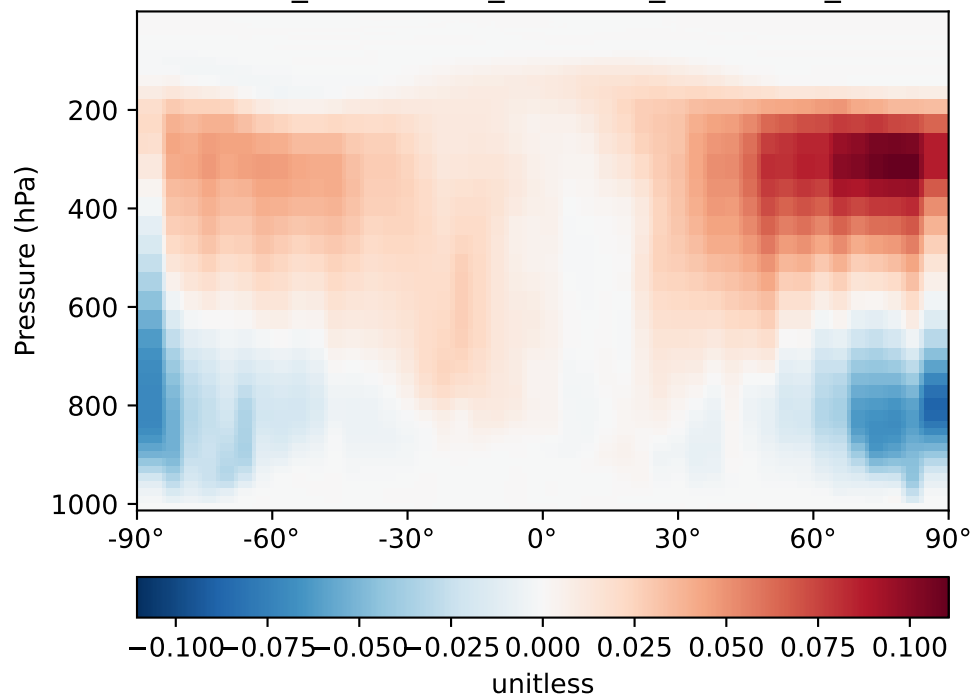
Difference (1x1.25)  
Dev - Ref, Dynamic Range



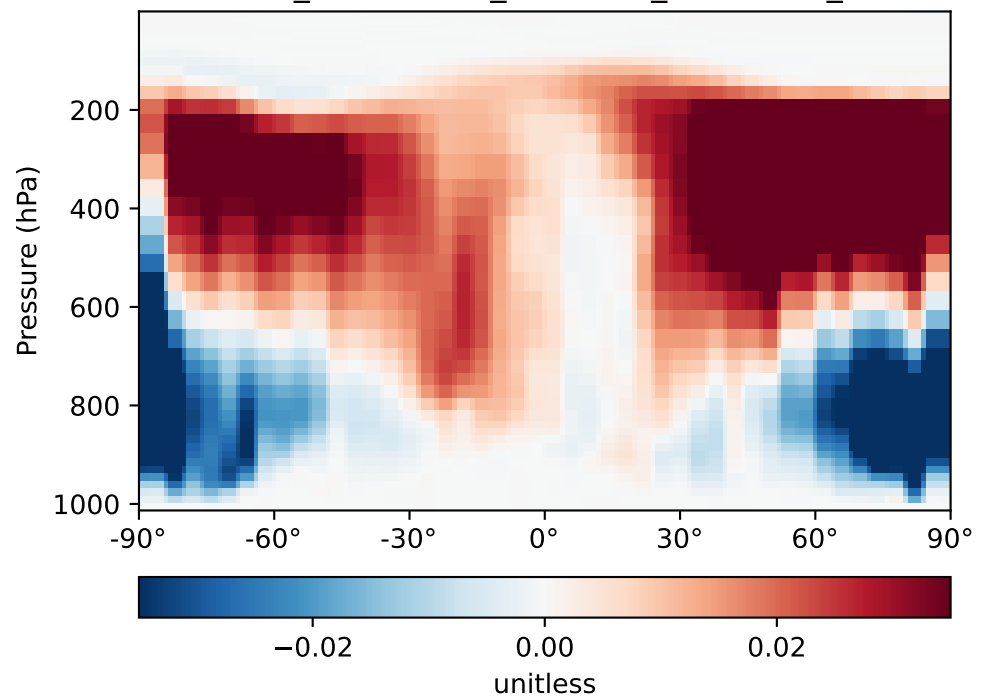
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Difference (1x1.25), Dynamic Range  
GCHP\_dev / GCHP\_ref - GCC\_dev / GCC\_ref

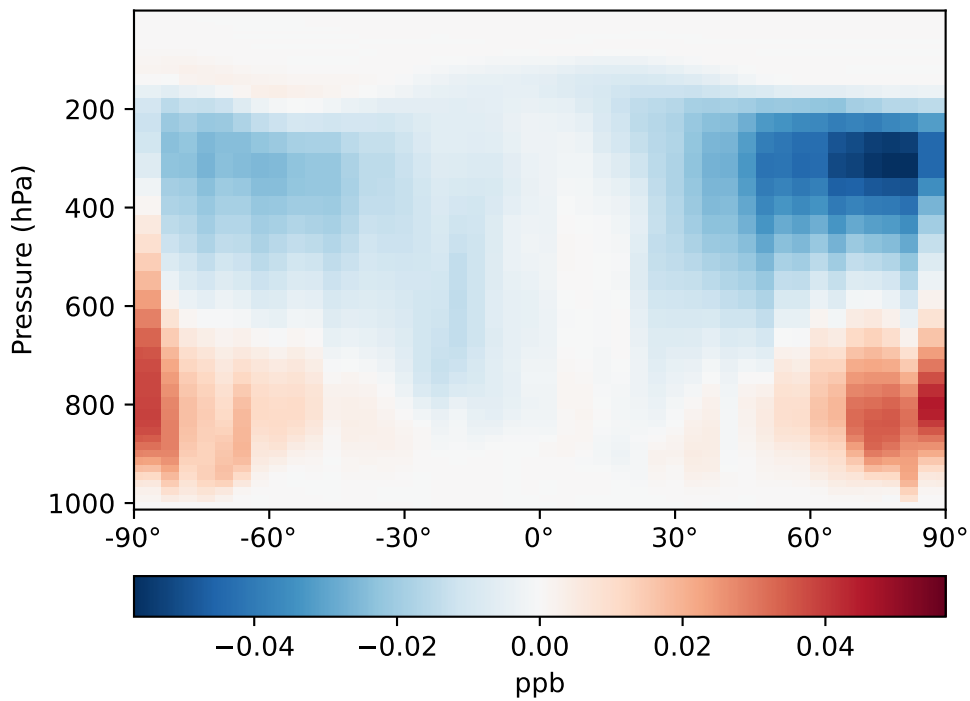


Difference (1x1.25), Restricted Range [5%,95%]  
GCHP\_dev / GCHP\_ref - GCC\_dev / GCC\_ref

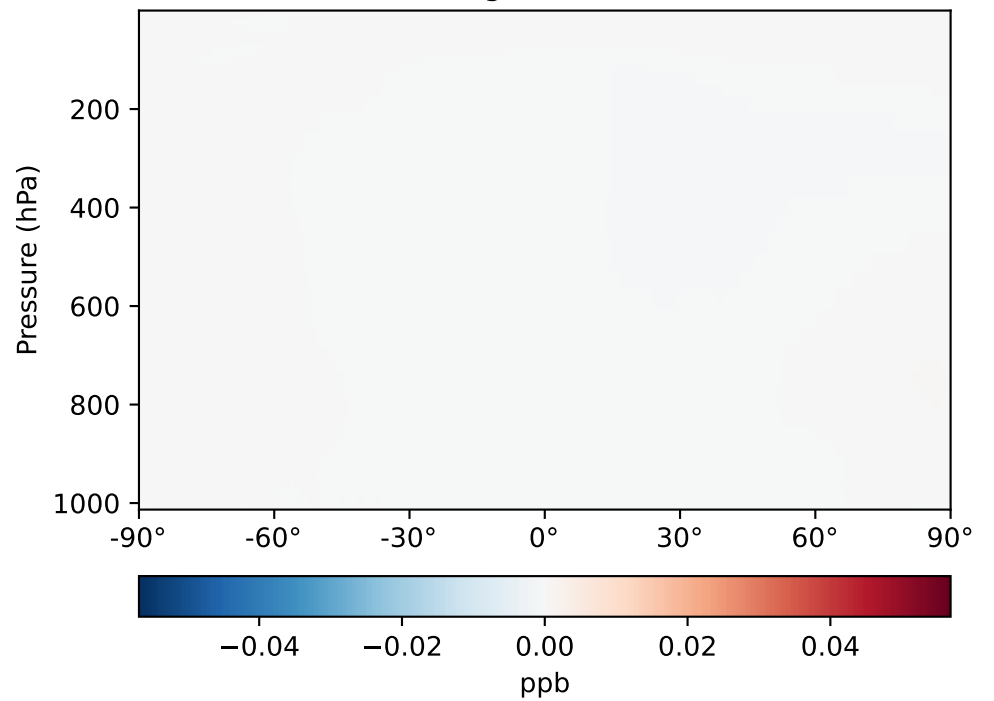


# SpeciesConc\_CH3Cl, Zonal Mean

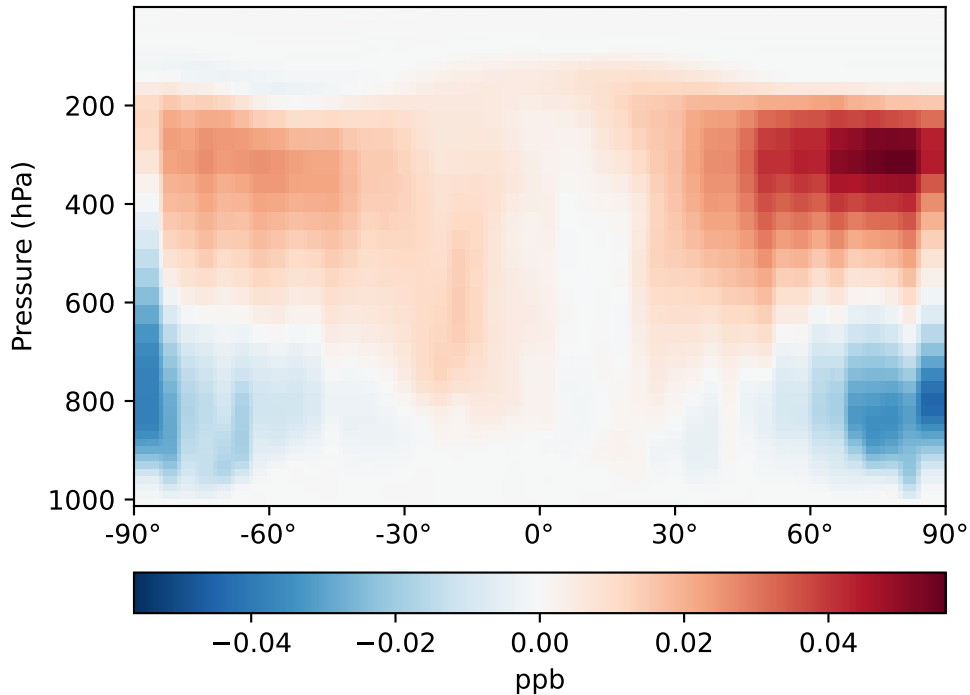
GCC\_13.4.0-rc.3 - GCC\_13.3.0-rc.1 (Ref)  
4.0x5.0



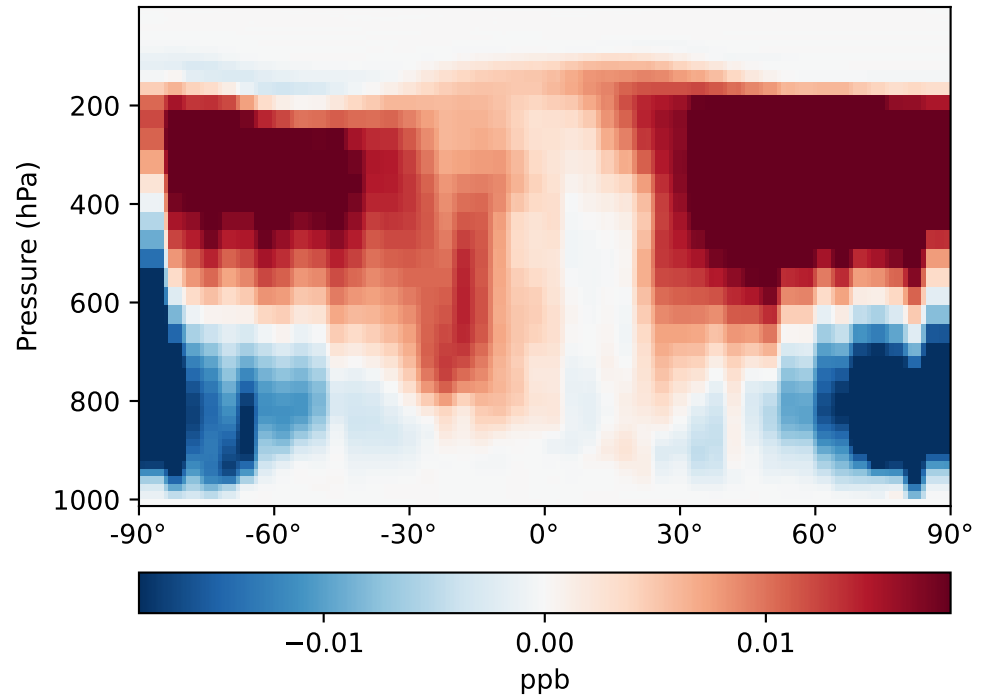
GCHP\_13.4.0-rc.3 - GCHP\_13.3.0-rc.1 (Dev)  
1x1.25 regrided from c48



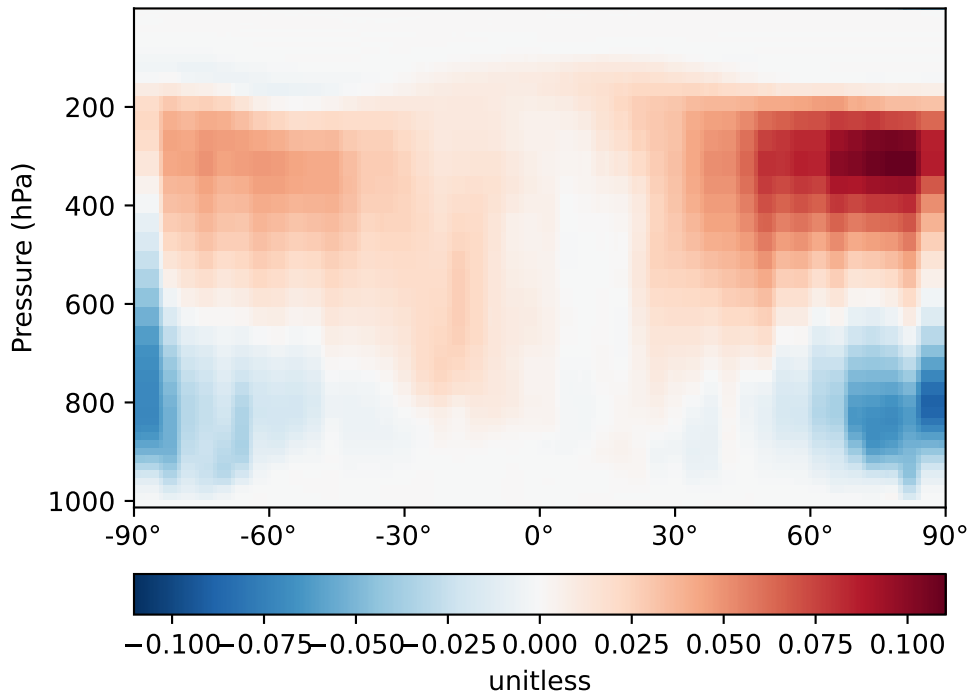
Difference (1x1.25)  
Dev - Ref, Dynamic Range



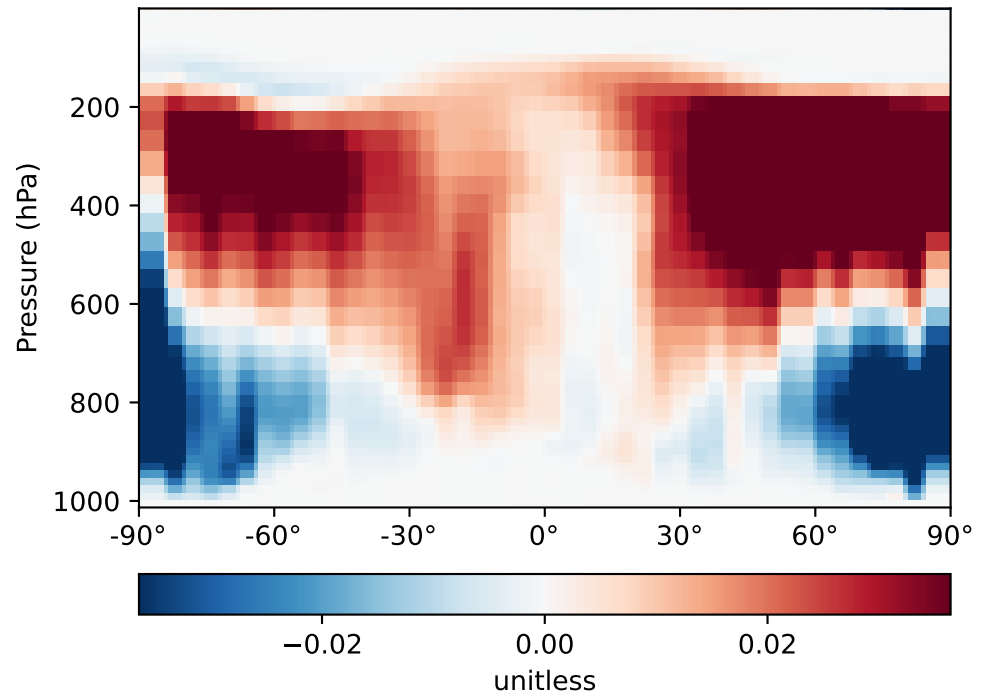
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Difference (1x1.25), Dynamic Range  
GCHP\_dev / GCHP\_ref - GCC\_dev / GCC\_ref

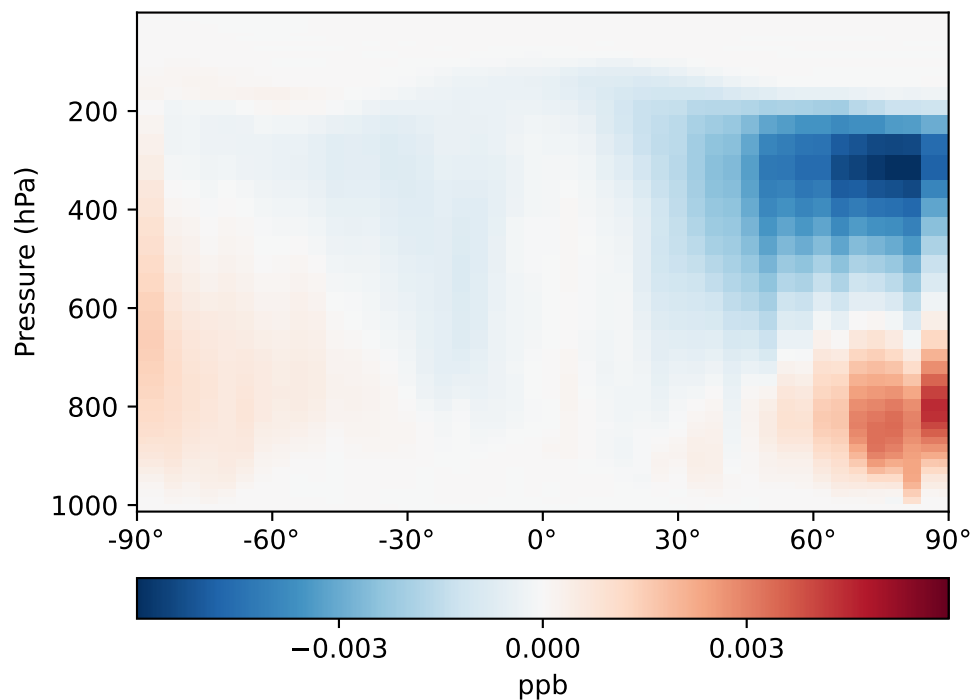


Difference (1x1.25), Restricted Range [5%,95%]  
GCHP\_dev / GCHP\_ref - GCC\_dev / GCC\_ref

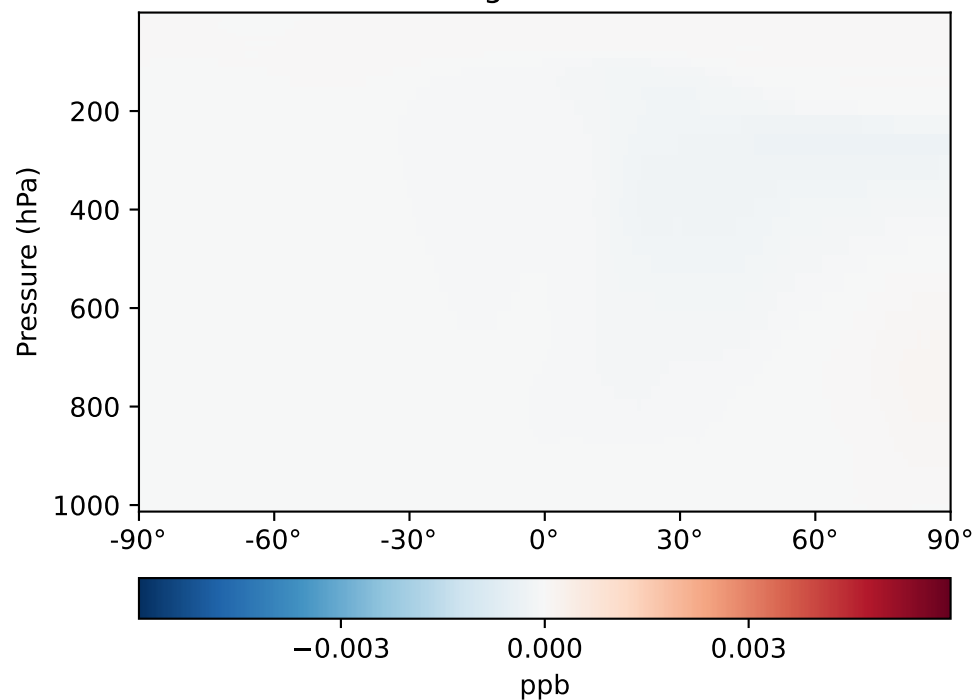


# SpeciesConc\_CH2Cl2, Zonal Mean

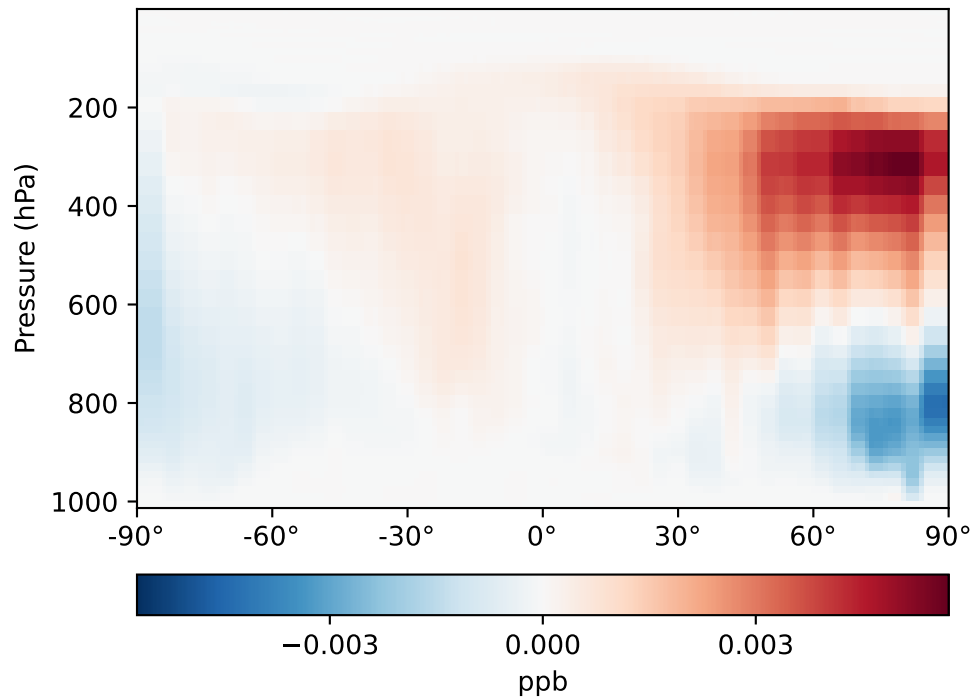
GCC\_13.4.0-rc.3 - GCC\_13.3.0-rc.1 (Ref)  
4.0x5.0



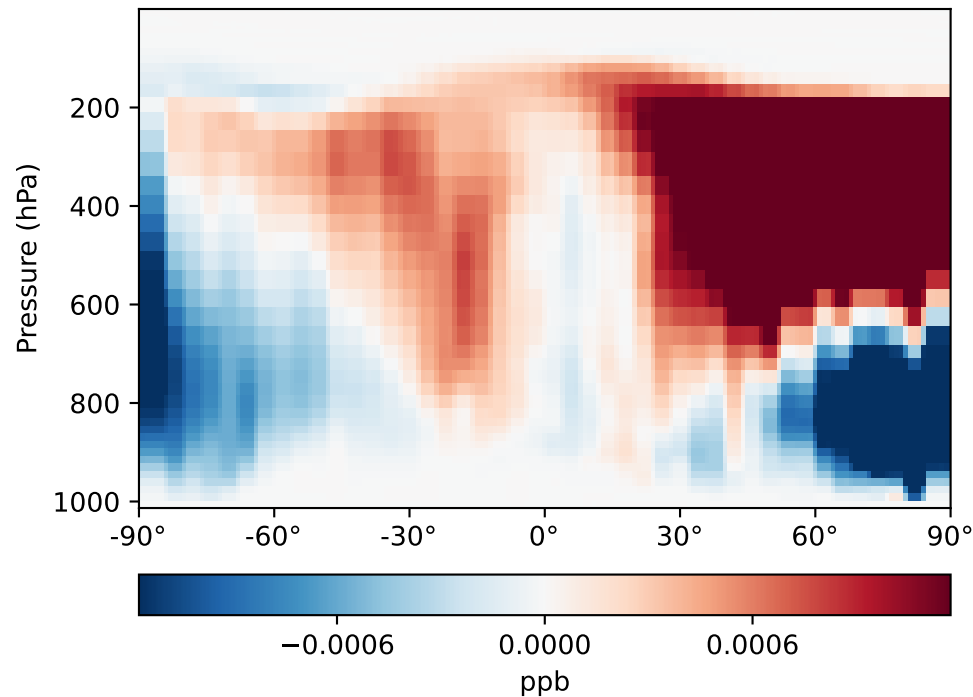
GCHP\_13.4.0-rc.3 - GCHP\_13.3.0-rc.1 (Dev)  
1x1.25 regrided from c48



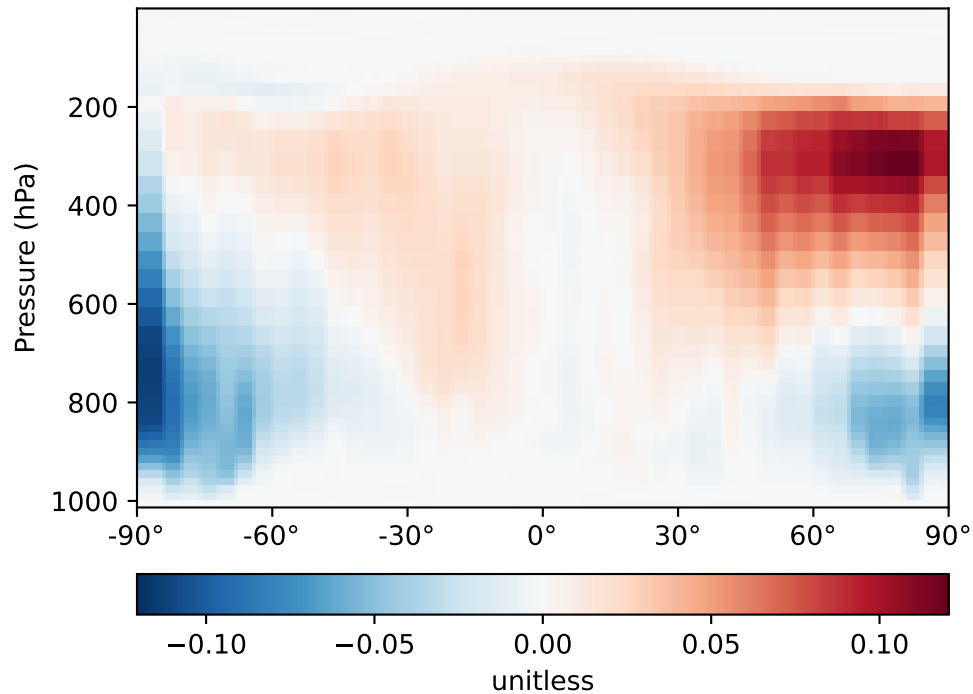
Difference (1x1.25)  
Dev - Ref, Dynamic Range



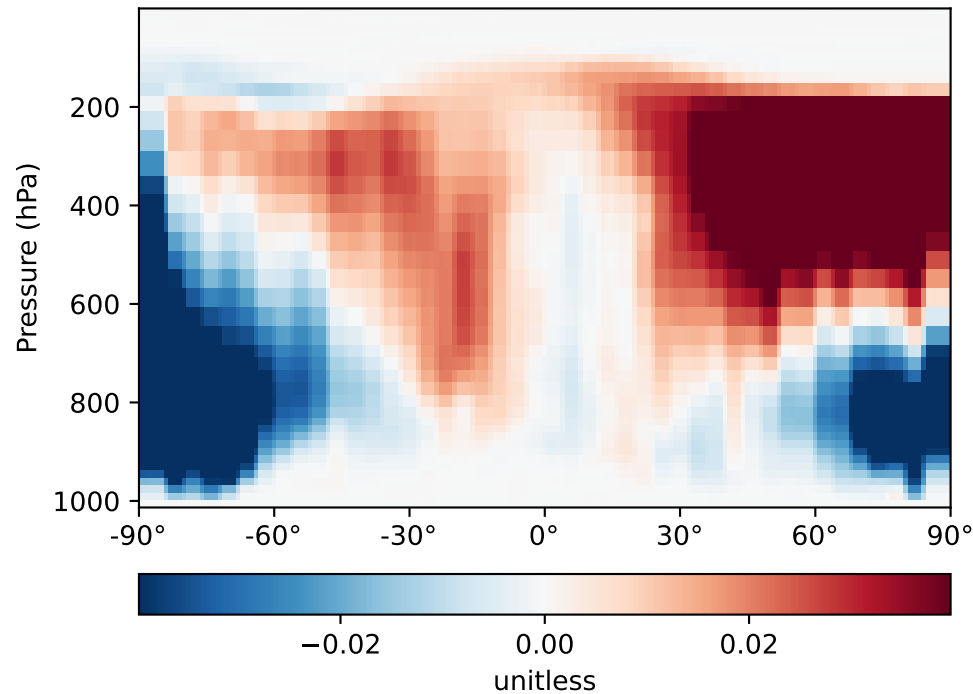
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Difference (1x1.25), Dynamic Range  
GCHP\_dev / GCHP\_ref - GCC\_dev / GCC\_ref

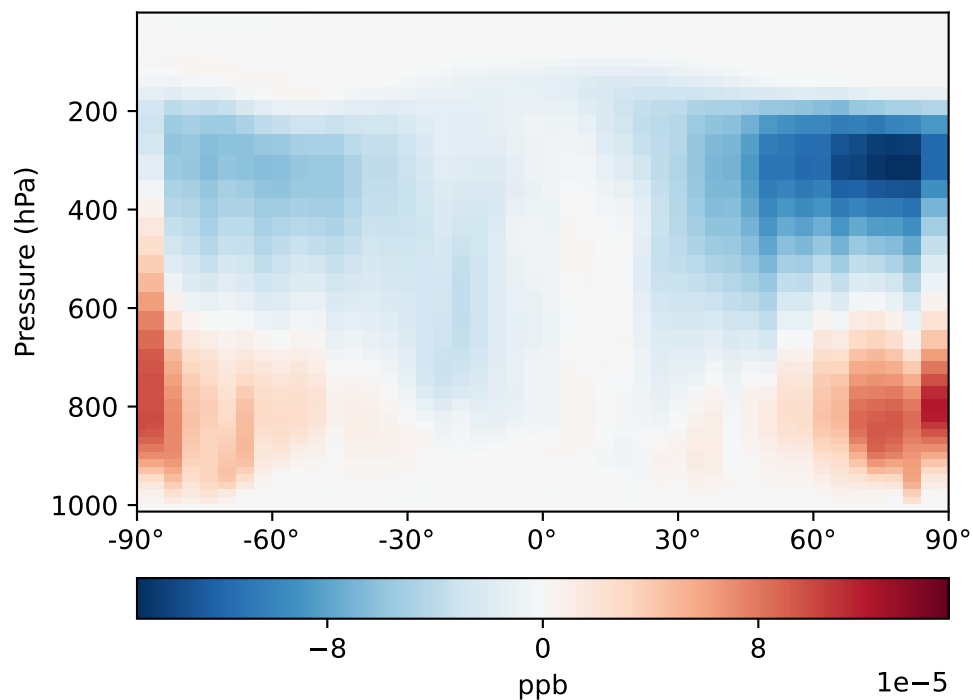


Difference (1x1.25), Restricted Range [5%,95%]  
GCHP\_dev / GCHP\_ref - GCC\_dev / GCC\_ref

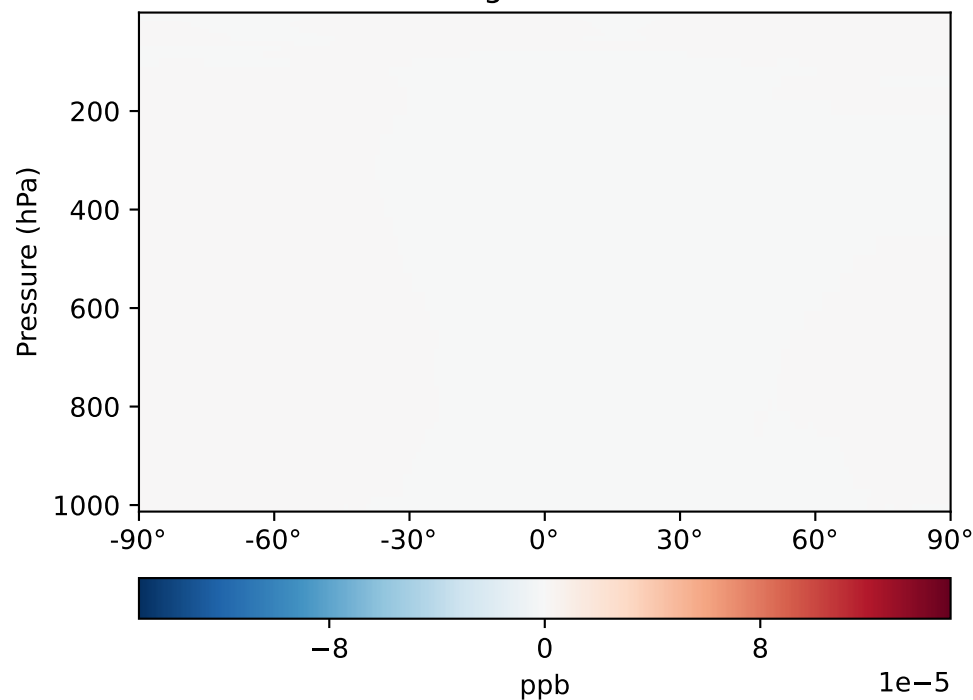


# SpeciesConc\_CH3CCl3, Zonal Mean

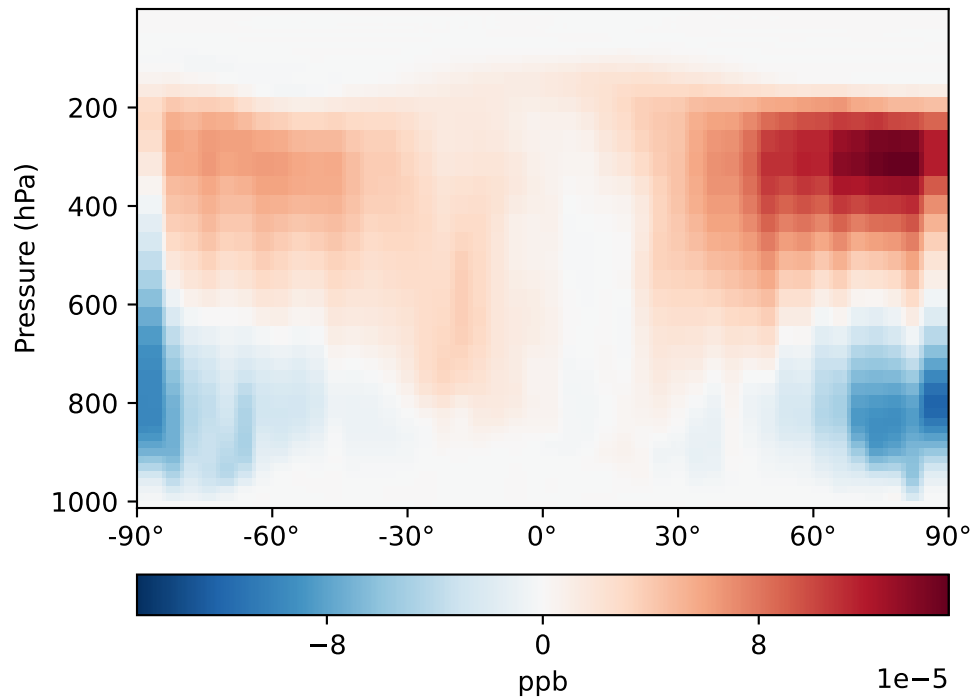
GCC\_13.4.0-rc.3 - GCC\_13.3.0-rc.1 (Ref)  
4.0x5.0



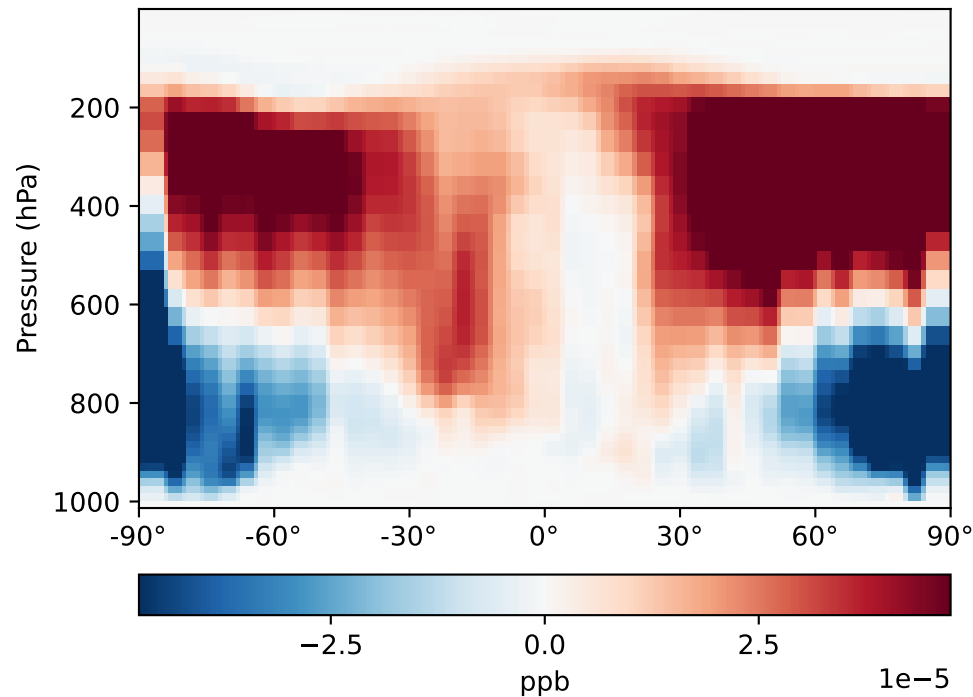
GCHP\_13.4.0-rc.3 - GCHP\_13.3.0-rc.1 (Dev)  
1x1.25 regrided from c48



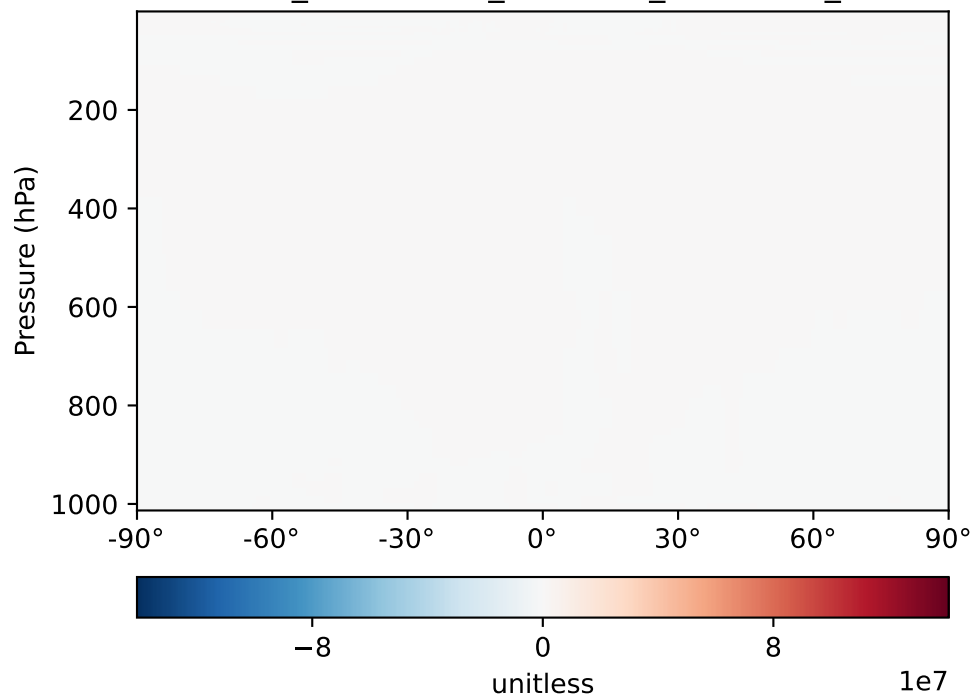
Difference (1x1.25)  
Dev - Ref, Dynamic Range



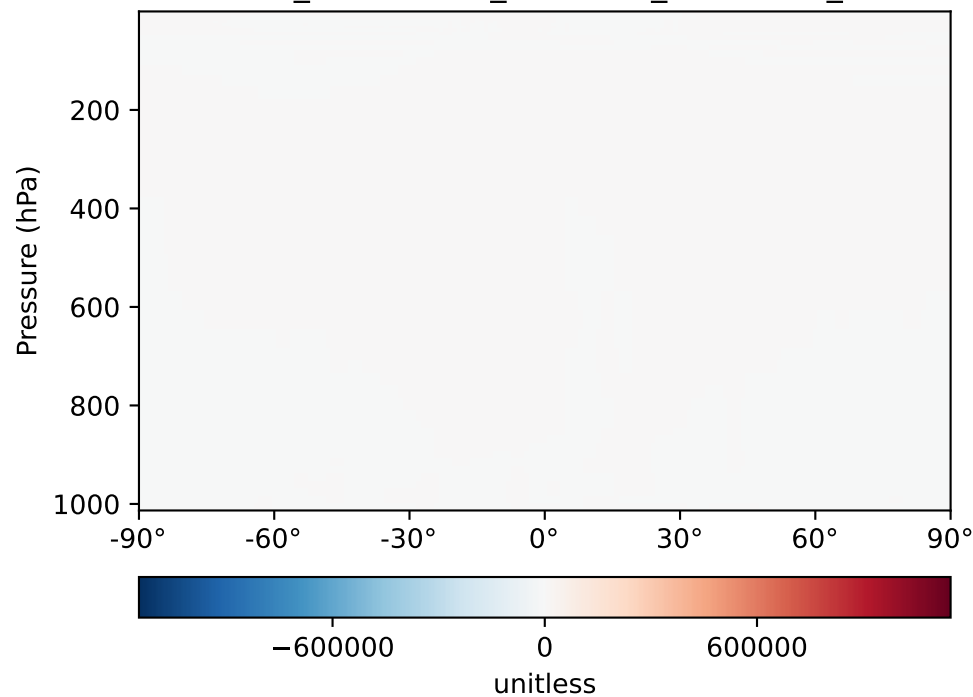
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Difference (1x1.25), Dynamic Range  
GCHP\_dev / GCHP\_ref - GCC\_dev / GCC\_ref

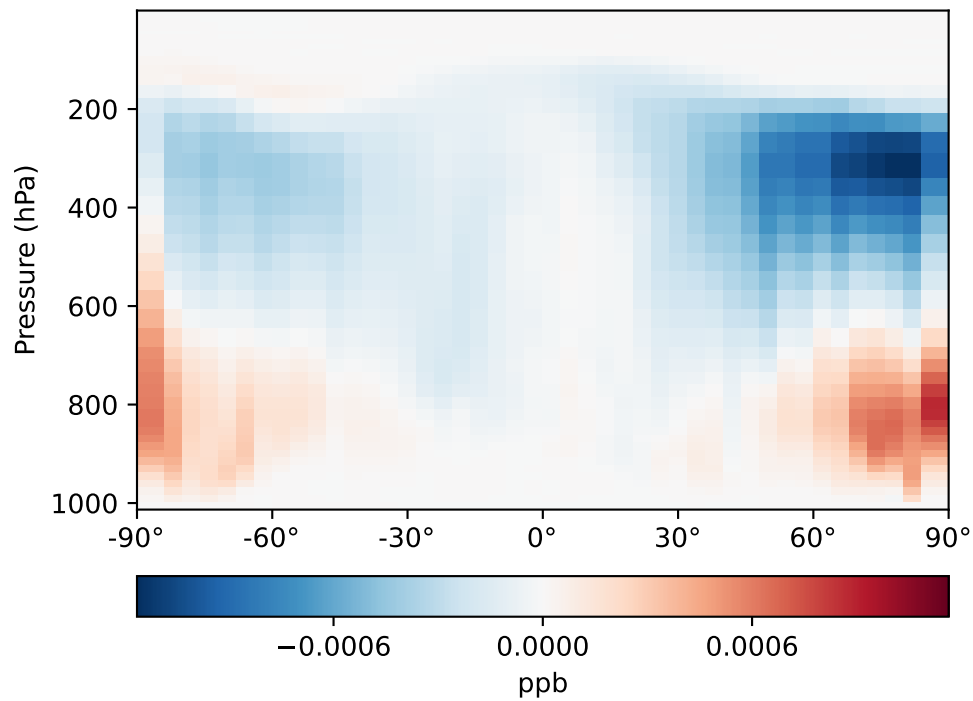


Difference (1x1.25), Restricted Range [5%,95%]  
GCHP\_dev / GCHP\_ref - GCC\_dev / GCC\_ref

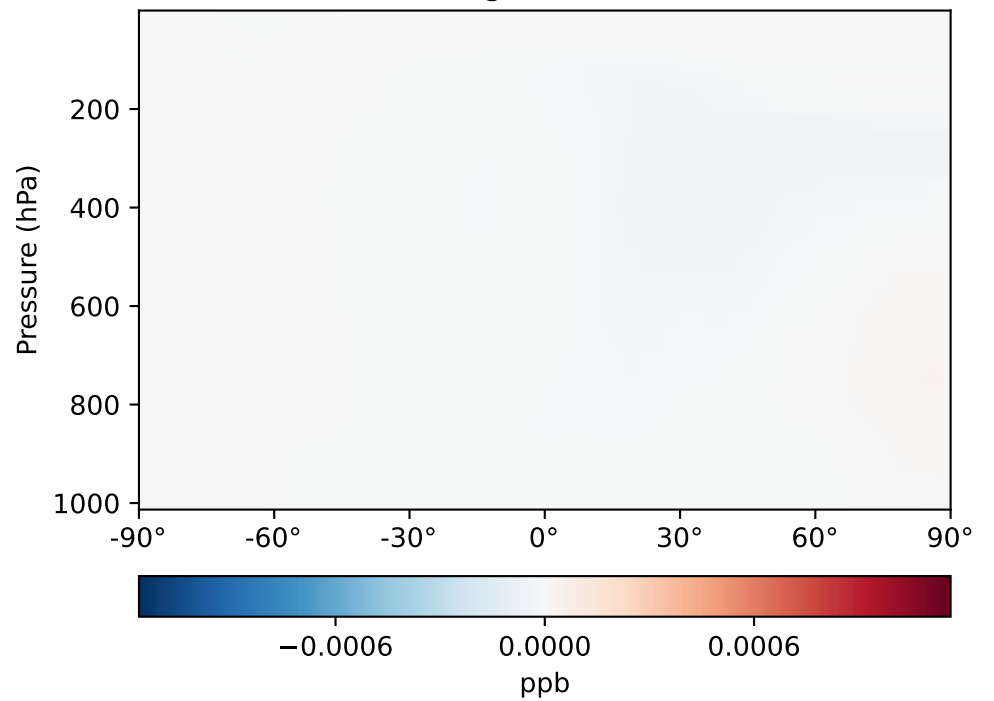


# SpeciesConc\_CHCl3, Zonal Mean

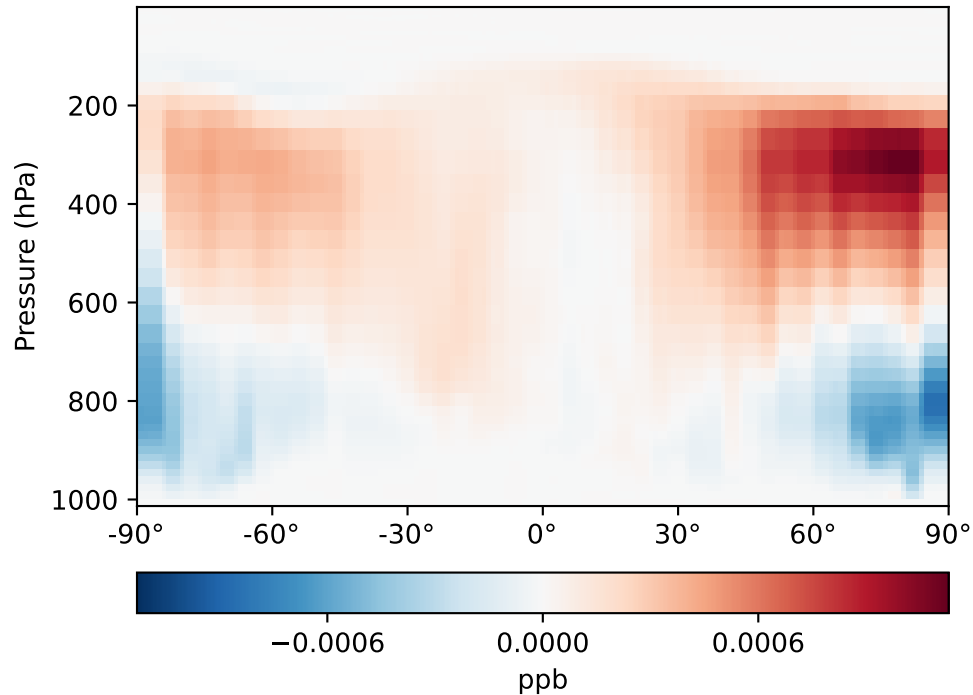
GCC\_13.4.0-rc.3 - GCC\_13.3.0-rc.1 (Ref)  
4.0x5.0



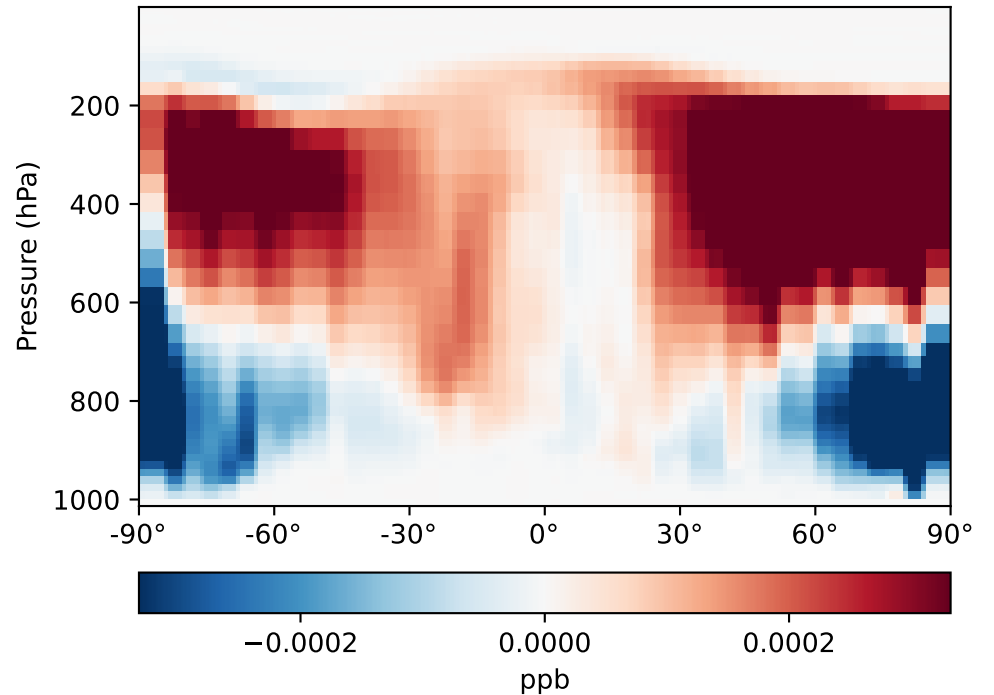
GCHP\_13.4.0-rc.3 - GCHP\_13.3.0-rc.1 (Dev)  
1x1.25 regrided from c48



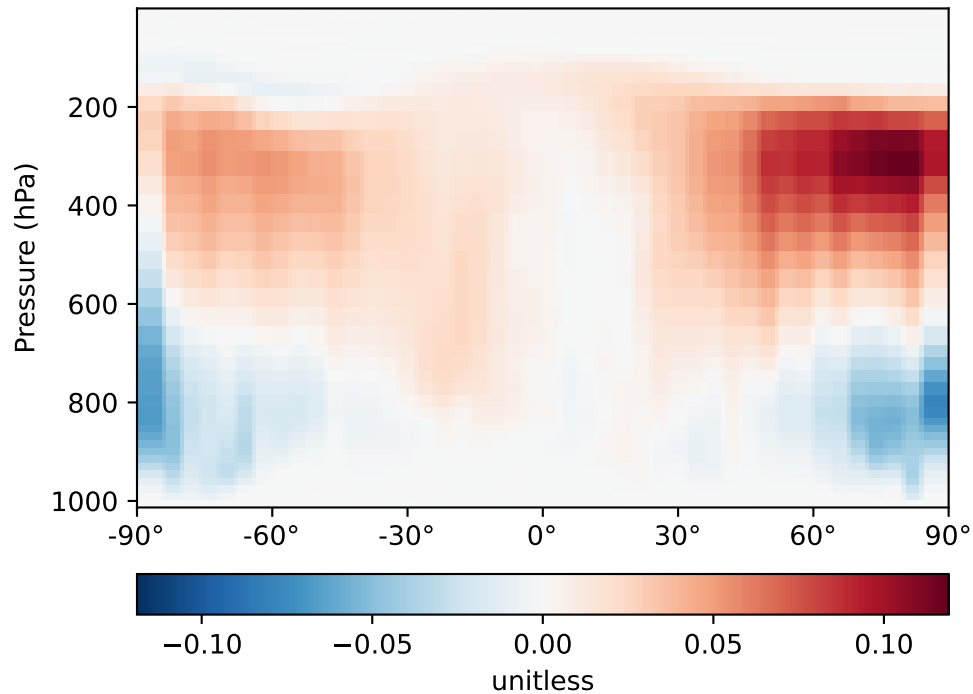
Difference (1x1.25)  
Dev - Ref, Dynamic Range



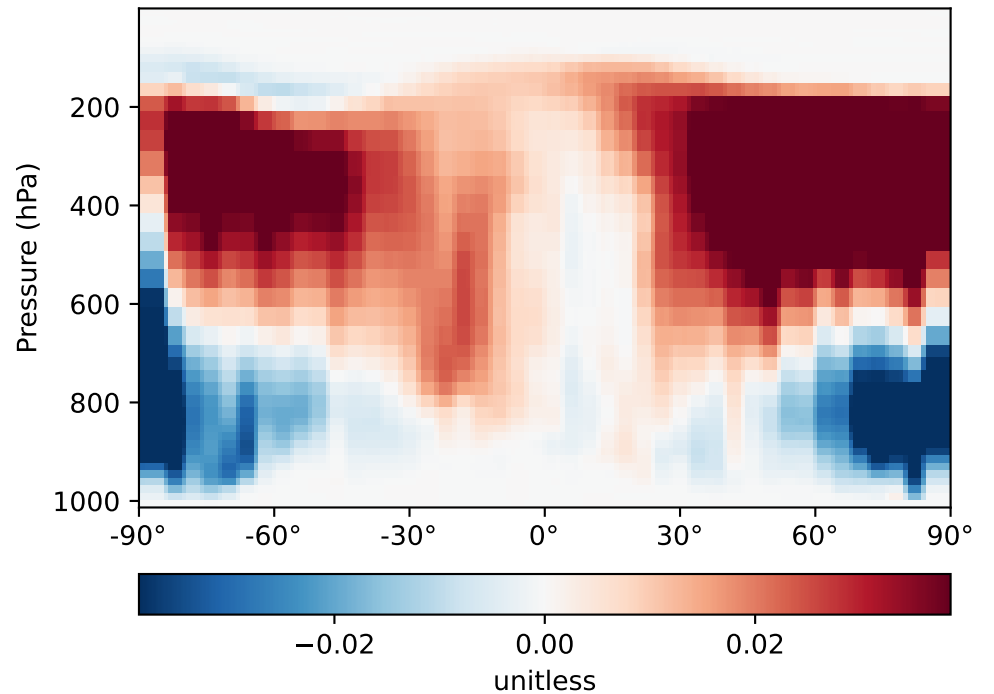
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Difference (1x1.25), Dynamic Range  
GCHP\_dev / GCHP\_ref - GCC\_dev / GCC\_ref

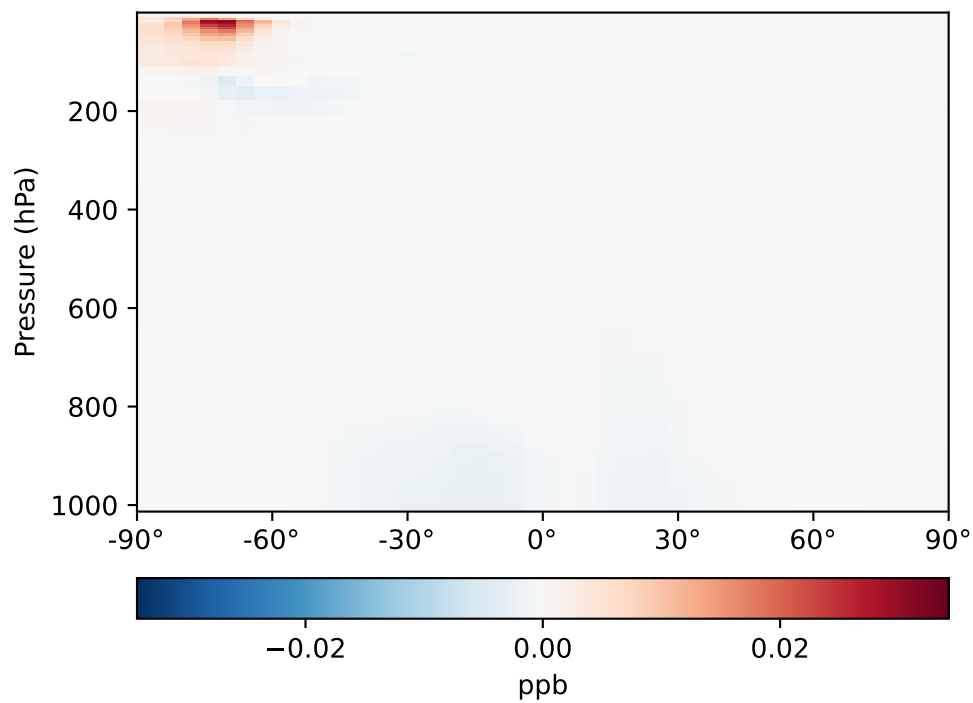


Difference (1x1.25), Restricted Range [5%,95%]  
GCHP\_dev / GCHP\_ref - GCC\_dev / GCC\_ref

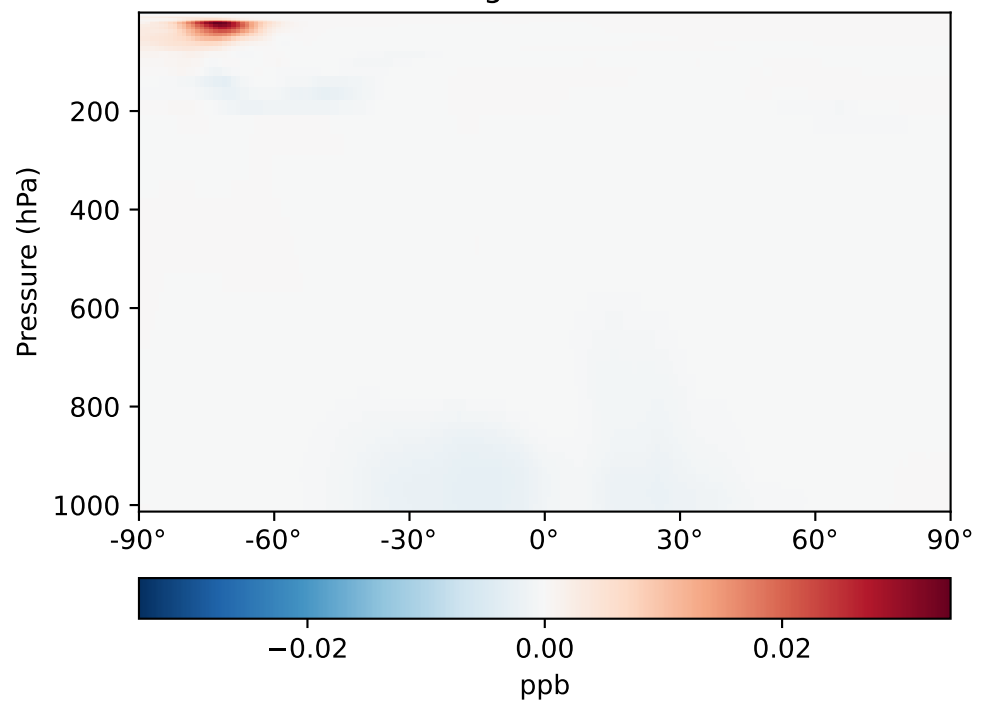


# SpeciesConc\_HOCl, Zonal Mean

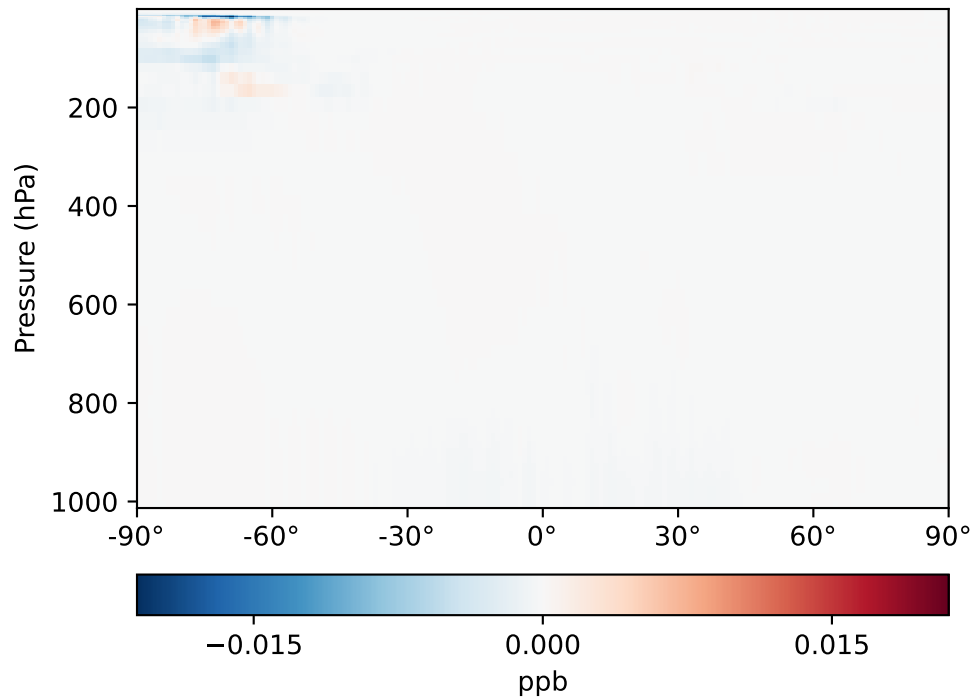
GCC\_13.4.0-rc.3 - GCC\_13.3.0-rc.1 (Ref)  
4.0x5.0



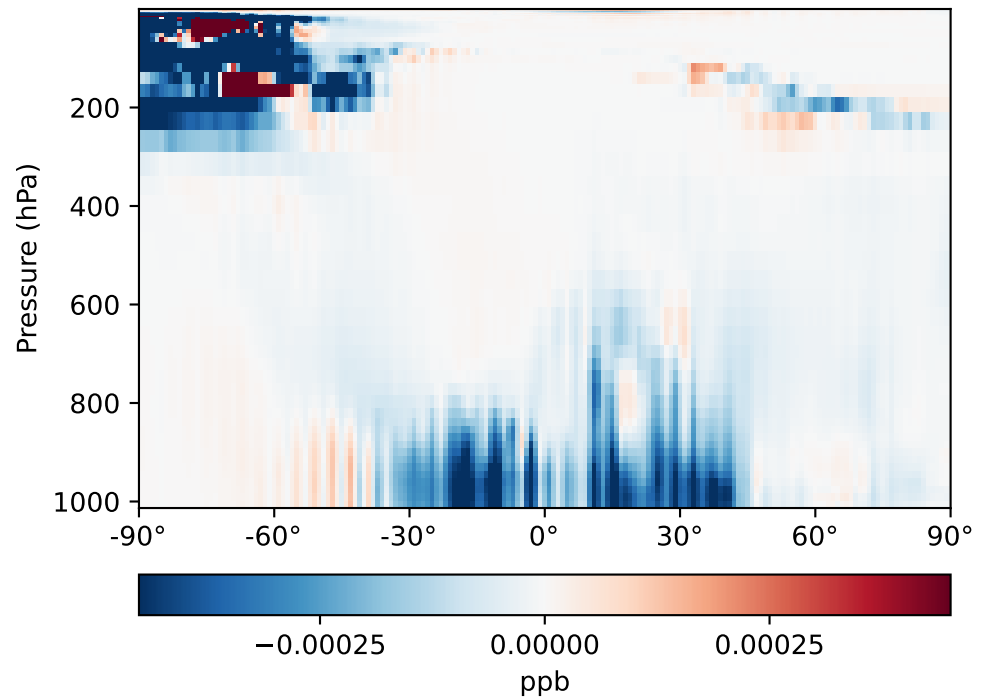
GCHP\_13.4.0-rc.3 - GCHP\_13.3.0-rc.1 (Dev)  
1x1.25 regrided from c48



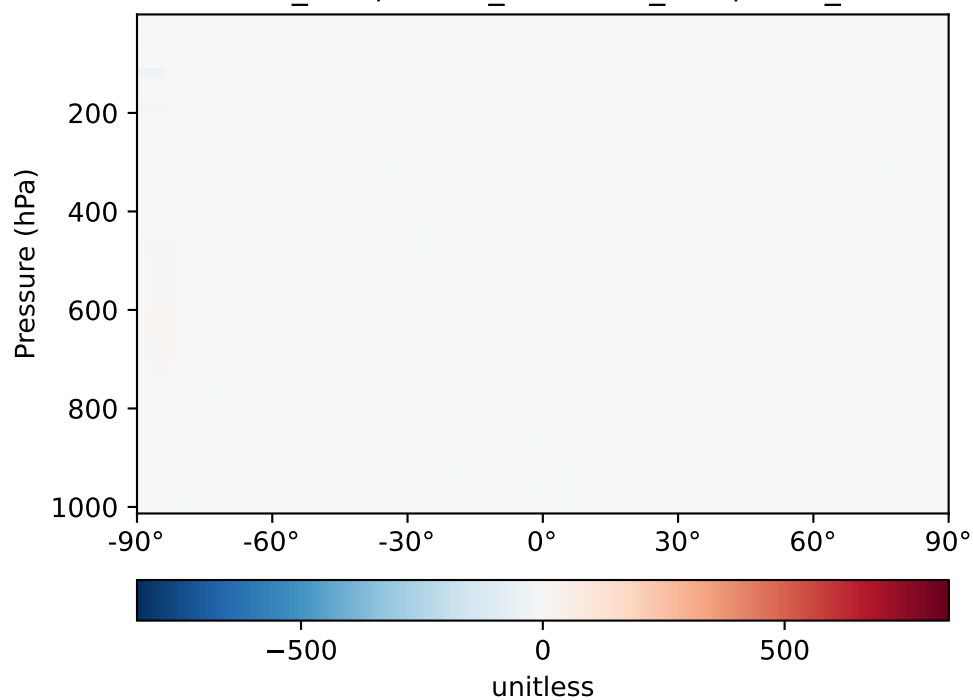
Difference (1x1.25)  
Dev - Ref, Dynamic Range



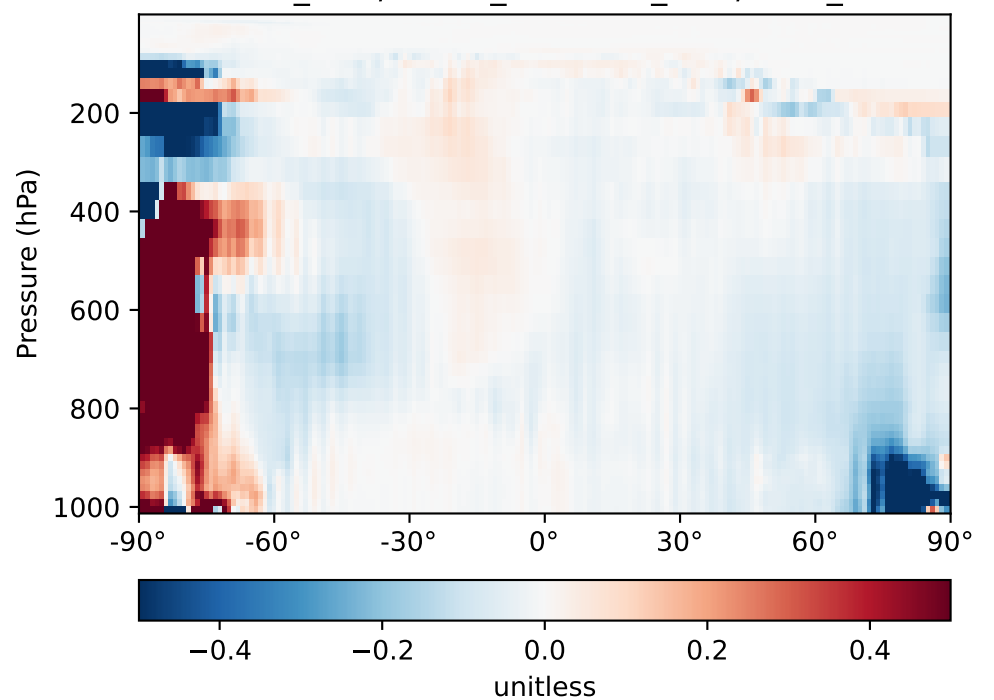
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Difference (1x1.25), Dynamic Range  
GCHP\_dev / GCHP\_ref - GCC\_dev / GCC\_ref



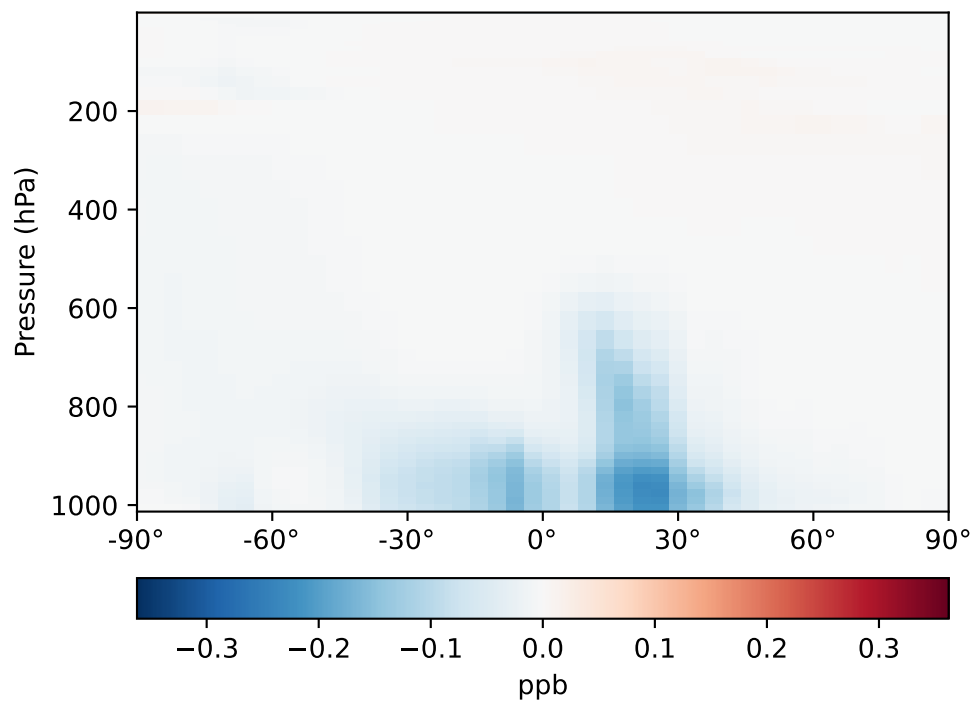
Difference (1x1.25), Restricted Range [5%,95%]  
GCHP\_dev / GCHP\_ref - GCC\_dev / GCC\_ref



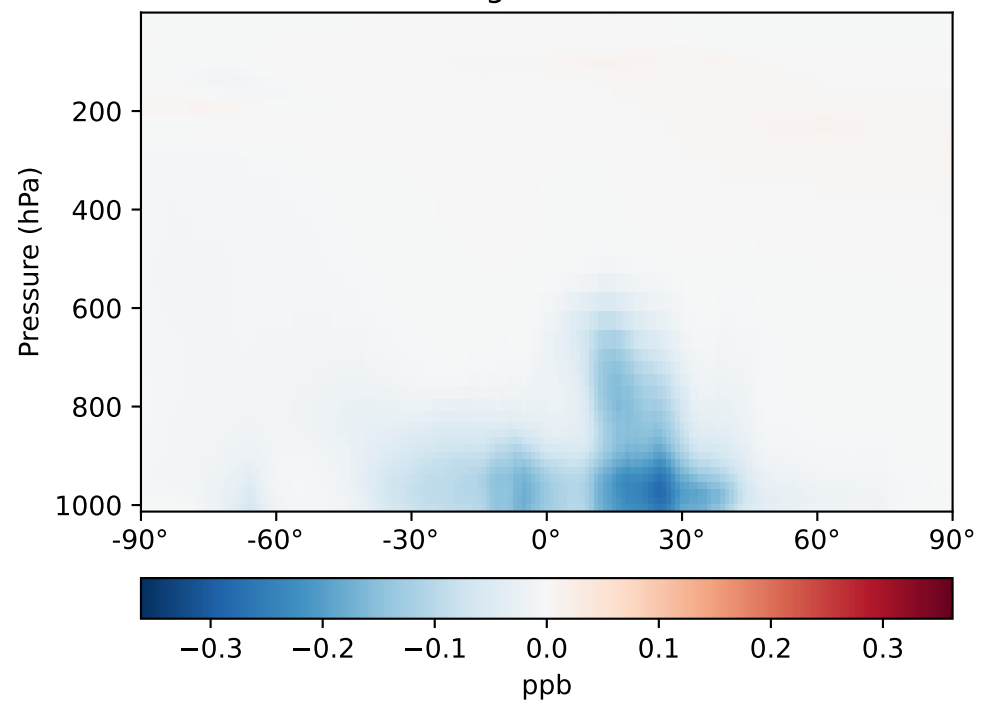


# SpeciesConc\_HCl, Zonal Mean

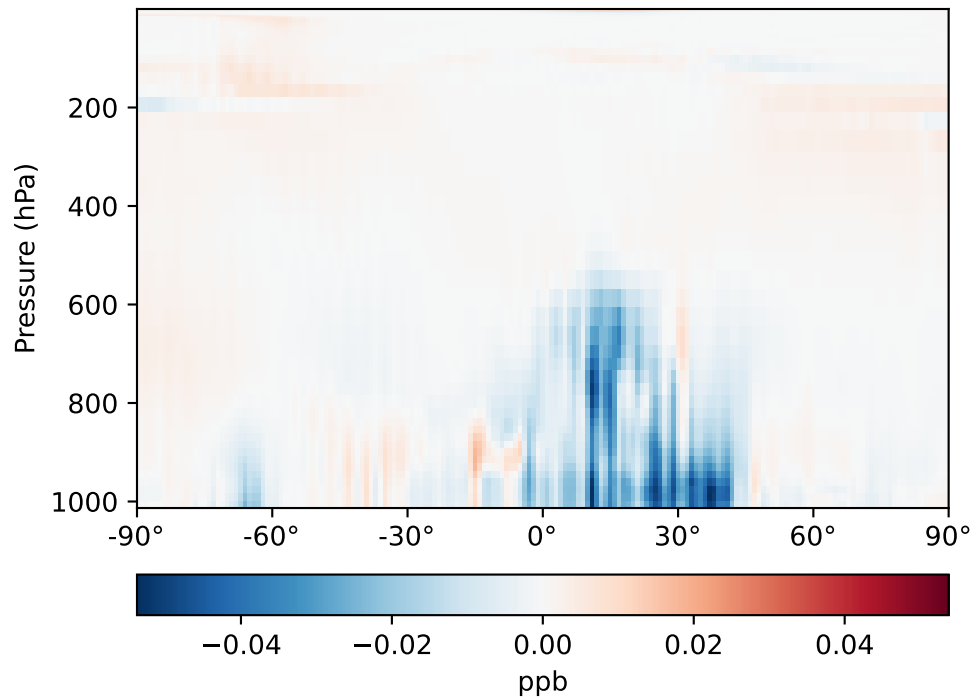
GCC\_13.4.0-rc.3 - GCC\_13.3.0-rc.1 (Ref)  
4.0x5.0



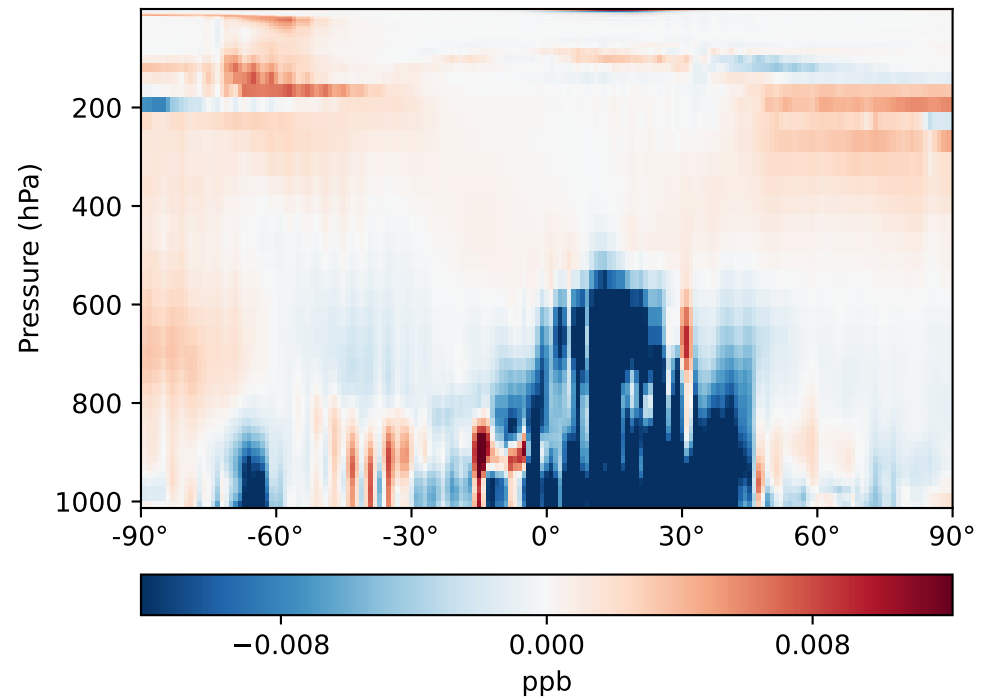
GCHP\_13.4.0-rc.3 - GCHP\_13.3.0-rc.1 (Dev)  
1x1.25 regrided from c48



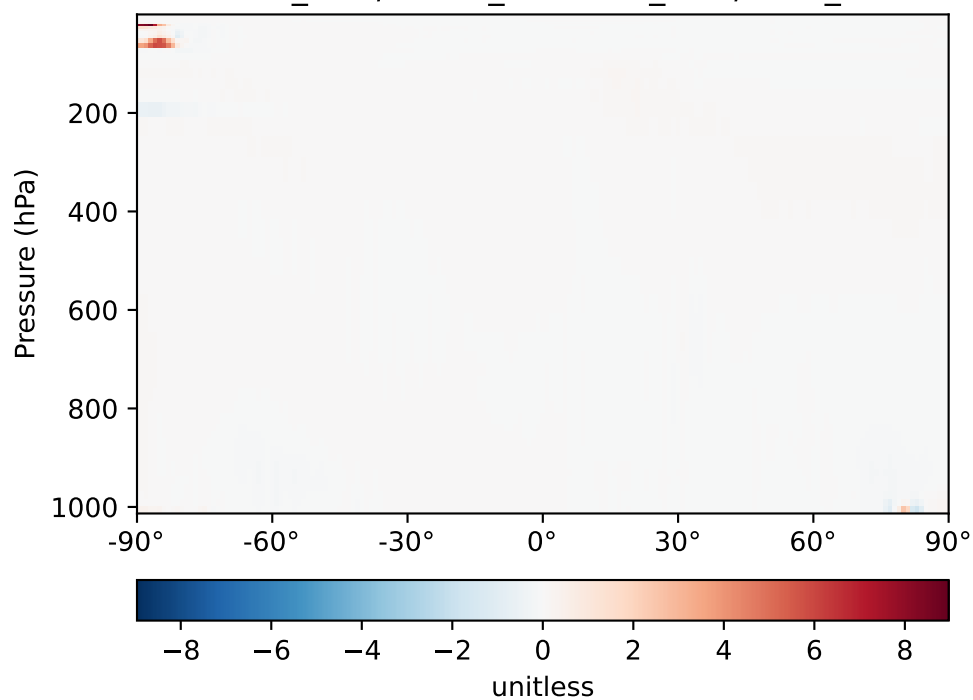
Difference (1x1.25)  
Dev - Ref, Dynamic Range



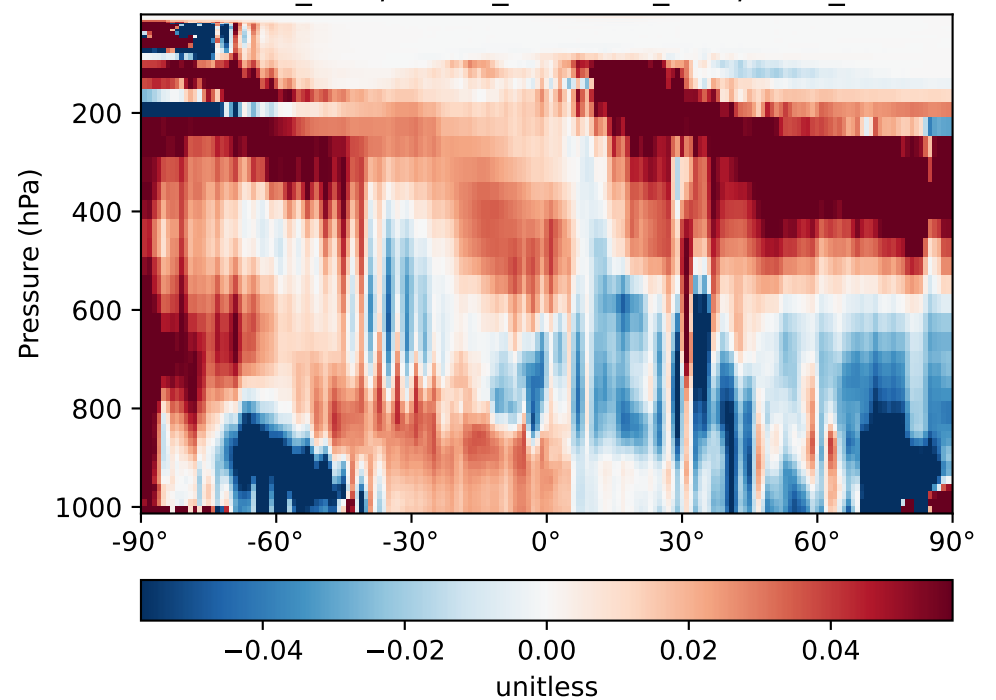
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Difference (1x1.25), Dynamic Range  
GCHP\_dev / GCHP\_ref - GCC\_dev / GCC\_ref

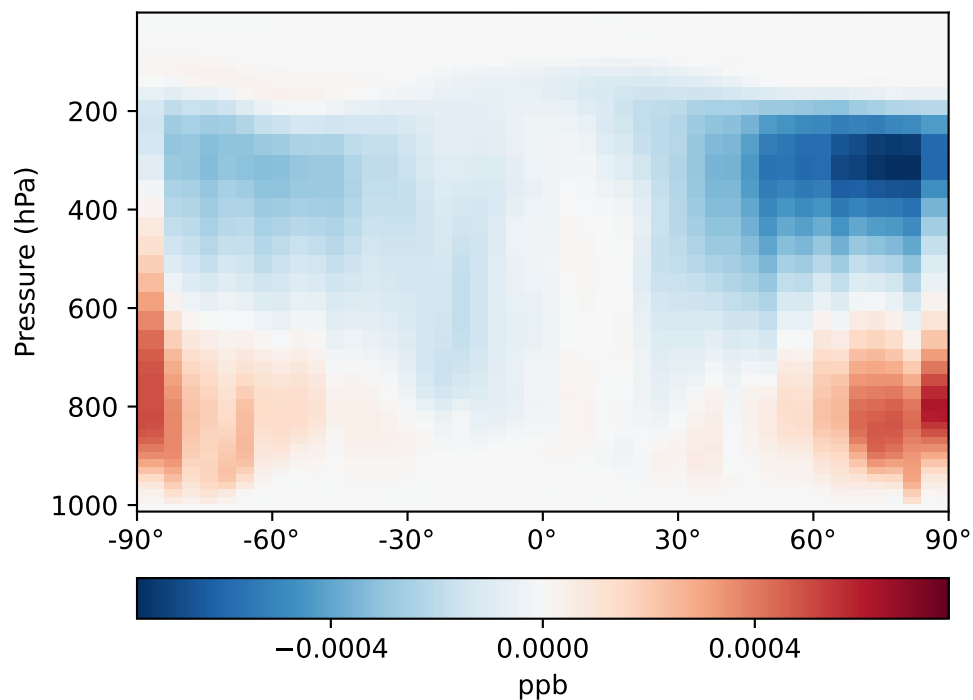


Difference (1x1.25), Restricted Range [5%,95%]  
GCHP\_dev / GCHP\_ref - GCC\_dev / GCC\_ref

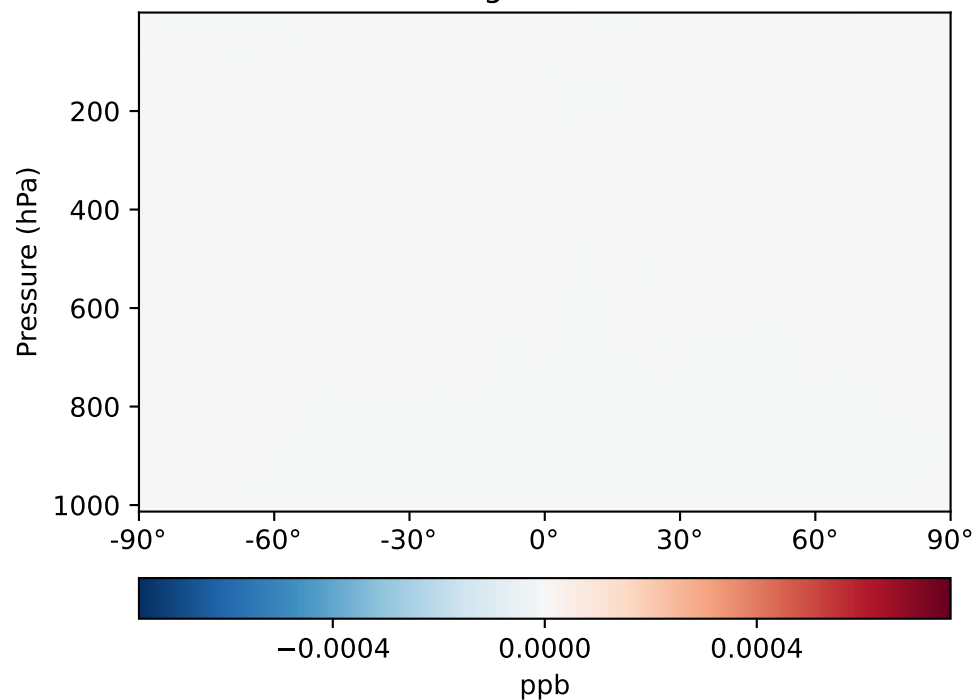


# SpeciesConc\_Halons, Zonal Mean

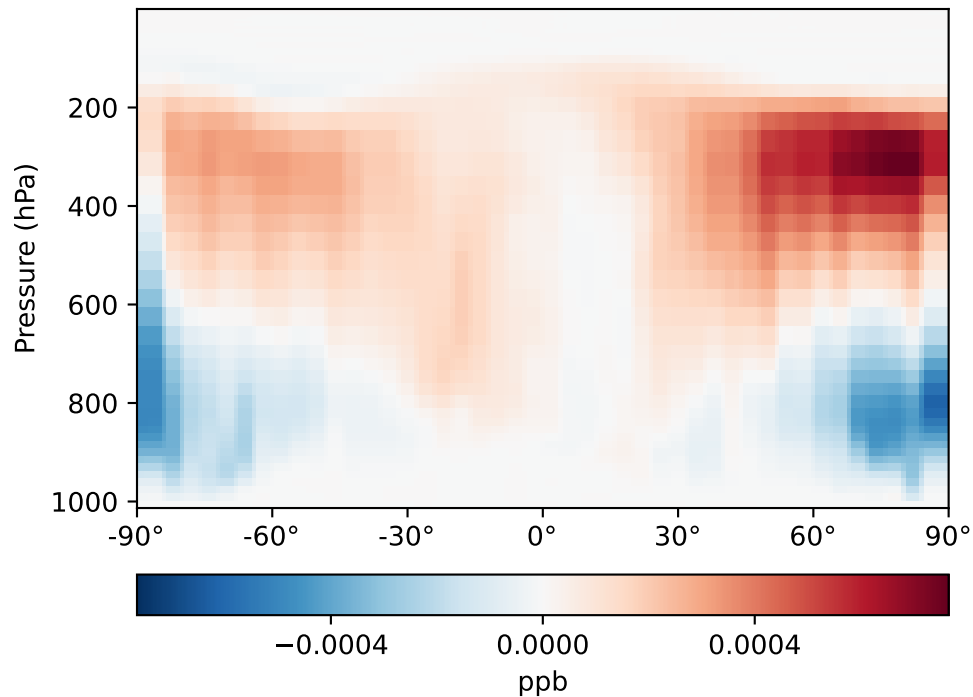
GCC\_13.4.0-rc.3 - GCC\_13.3.0-rc.1 (Ref)  
4.0x5.0



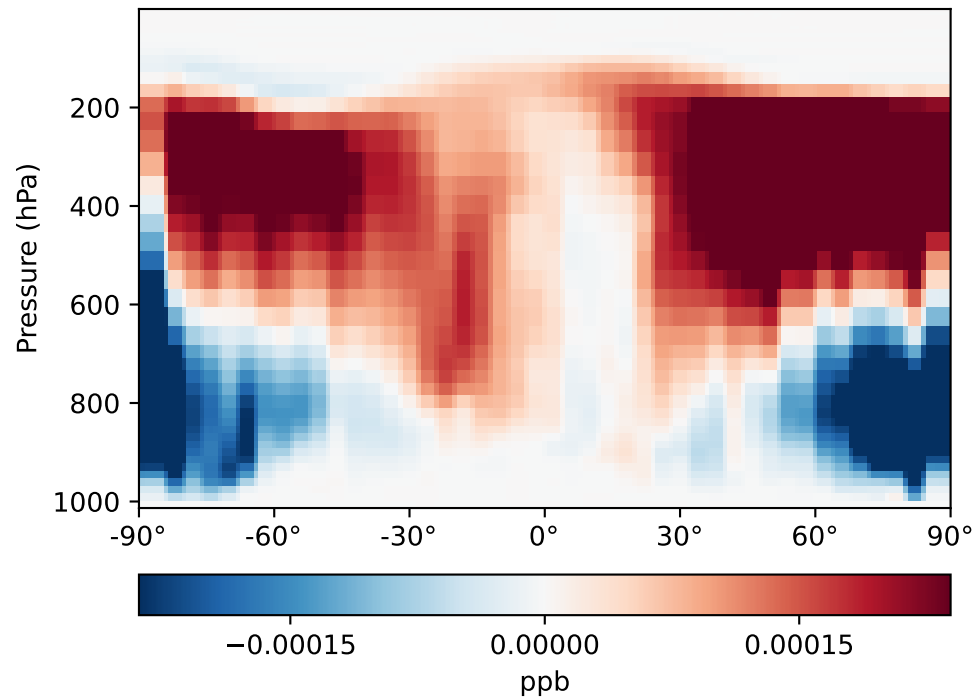
GCHP\_13.4.0-rc.3 - GCHP\_13.3.0-rc.1 (Dev)  
1x1.25 regridged from c48



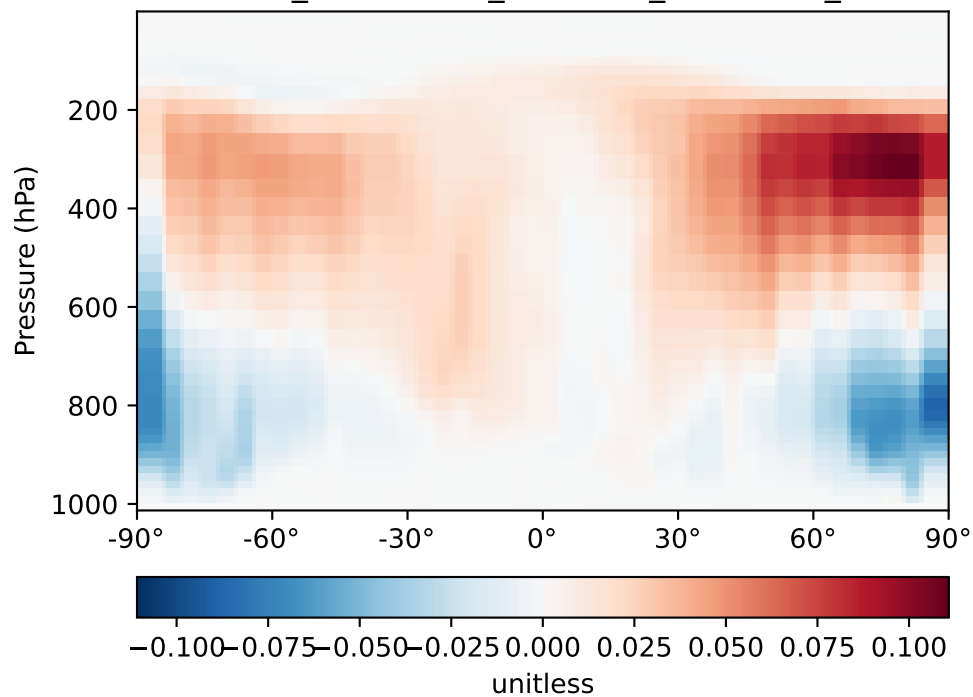
Difference (1x1.25)  
Dev - Ref, Dynamic Range



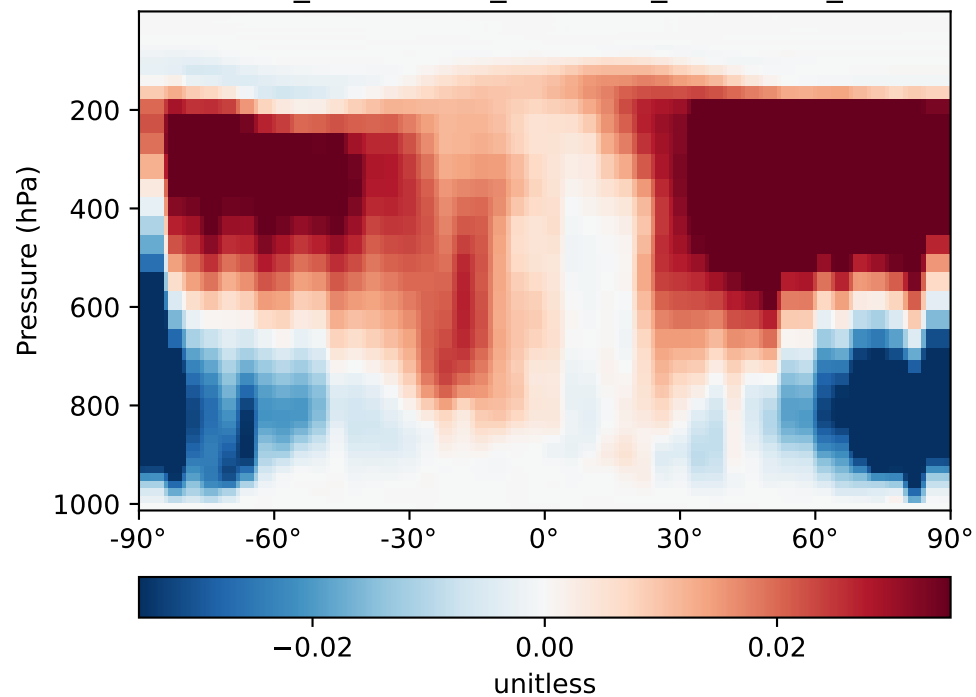
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Difference (1x1.25), Dynamic Range  
GCHP\_dev / GCHP\_ref - GCC\_dev / GCC\_ref

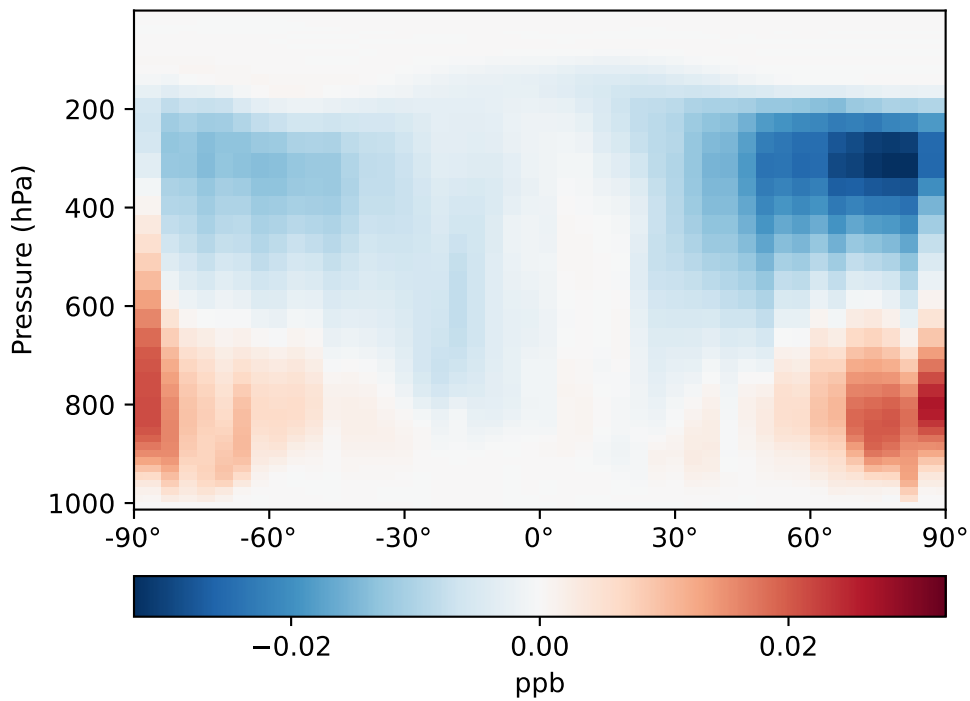


Difference (1x1.25), Restricted Range [5%,95%]  
GCHP\_dev / GCHP\_ref - GCC\_dev / GCC\_ref

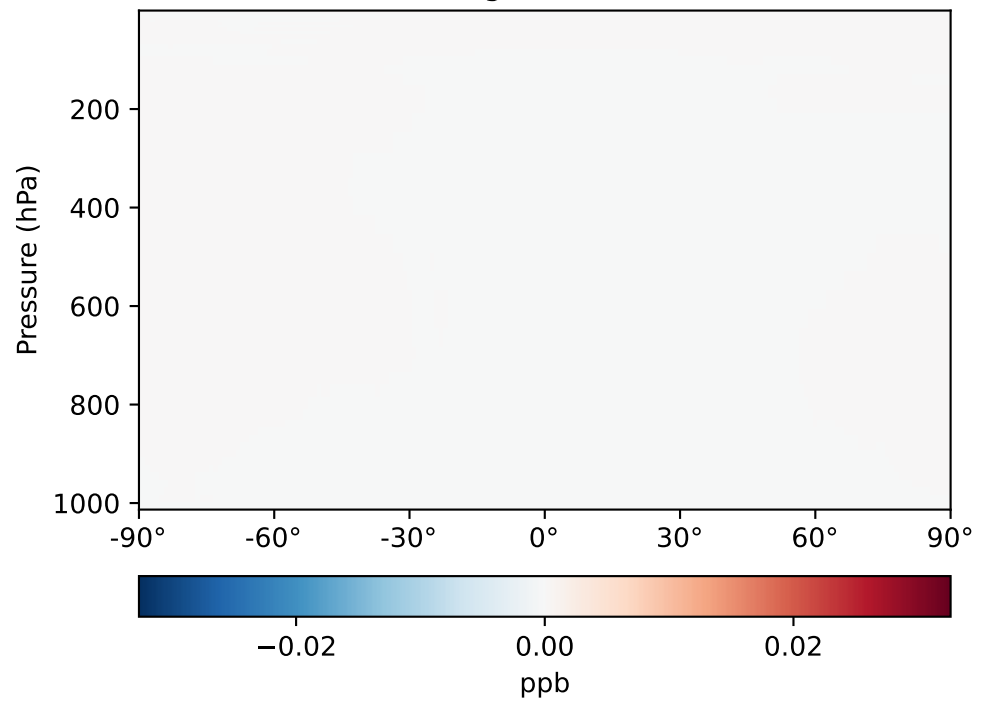


# SpeciesConc\_HCFCs, Zonal Mean

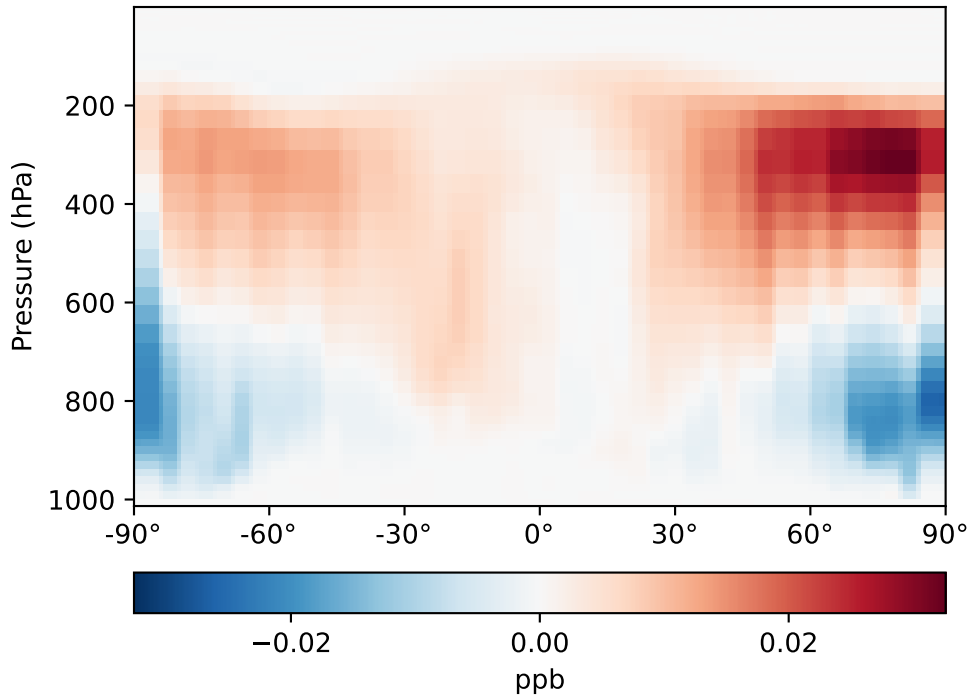
GCC\_13.4.0-rc.3 - GCC\_13.3.0-rc.1 (Ref)  
4.0x5.0



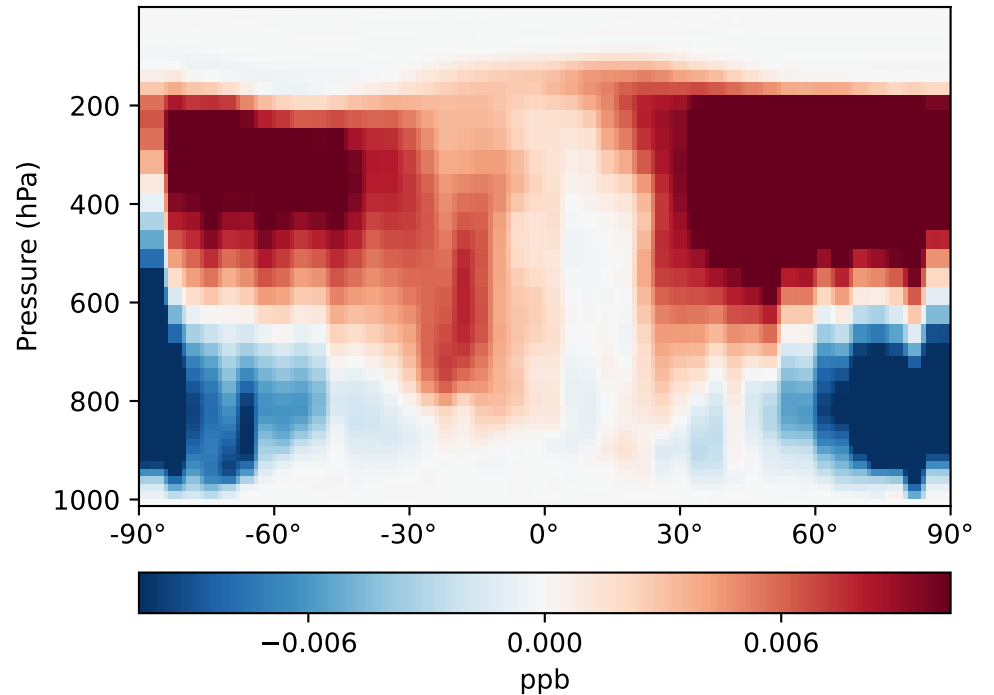
GCHP\_13.4.0-rc.3 - GCHP\_13.3.0-rc.1 (Dev)  
1x1.25 regrided from c48



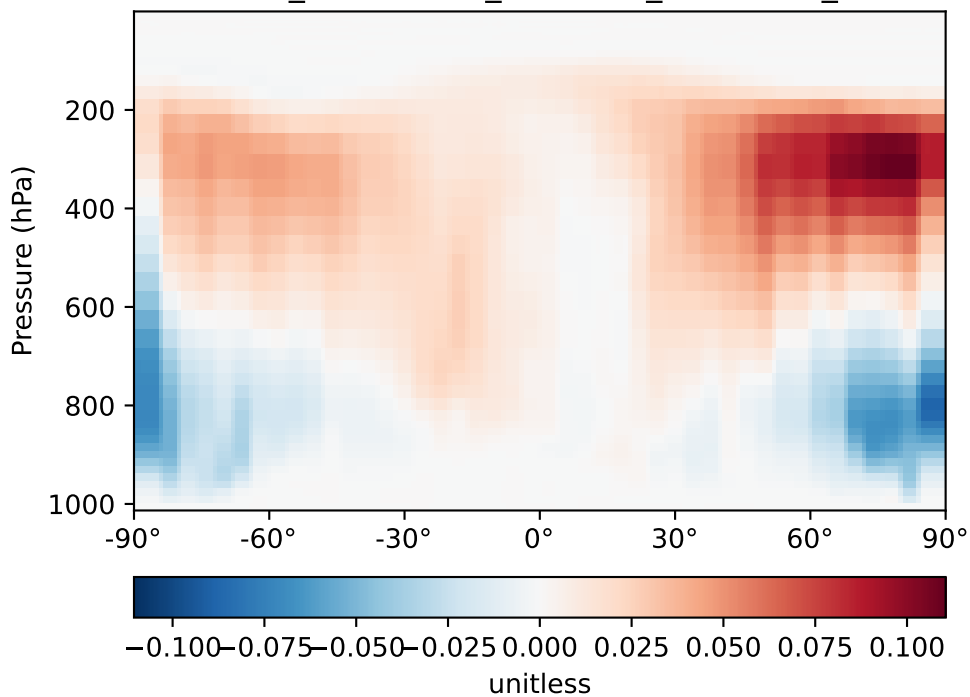
Difference (1x1.25)  
Dev - Ref, Dynamic Range



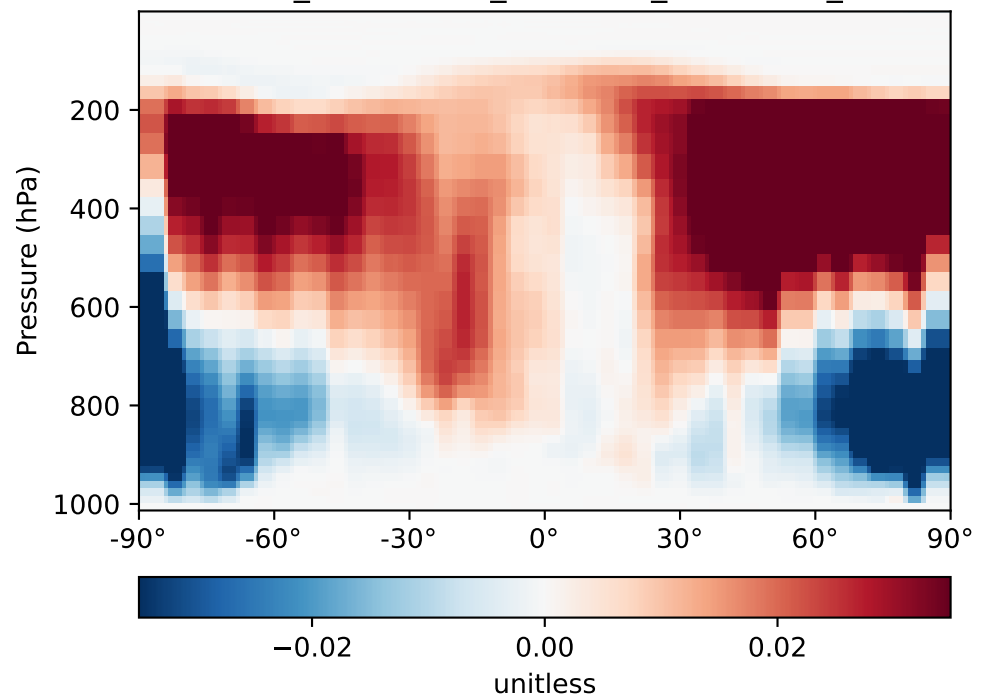
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Difference (1x1.25), Dynamic Range  
GCHP\_dev / GCHP\_ref - GCC\_dev / GCC\_ref

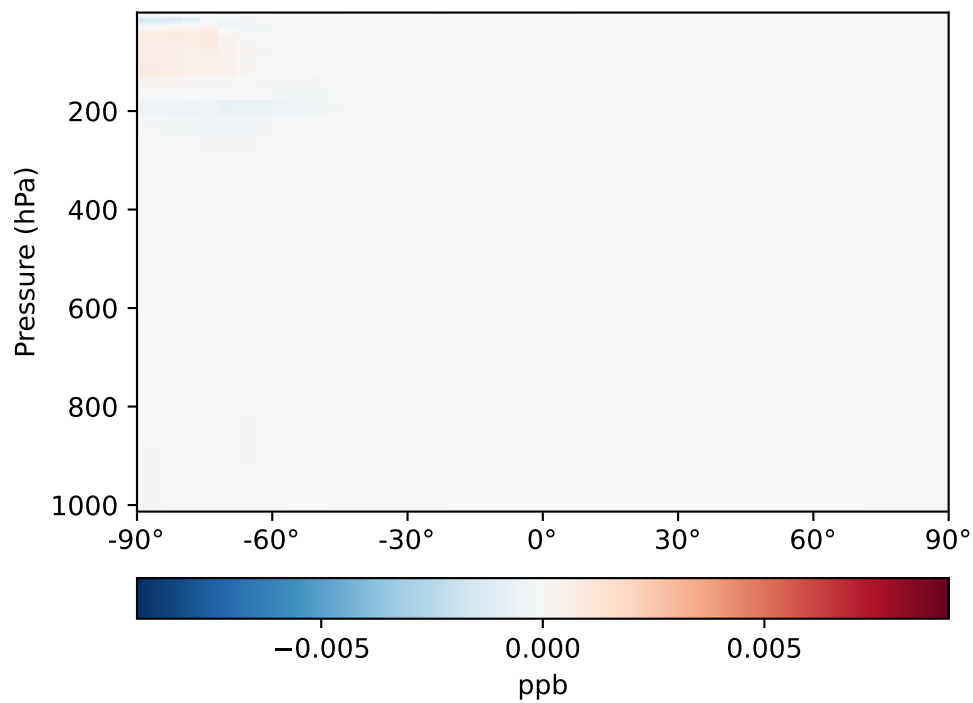


Difference (1x1.25), Restricted Range [5%,95%]  
GCHP\_dev / GCHP\_ref - GCC\_dev / GCC\_ref

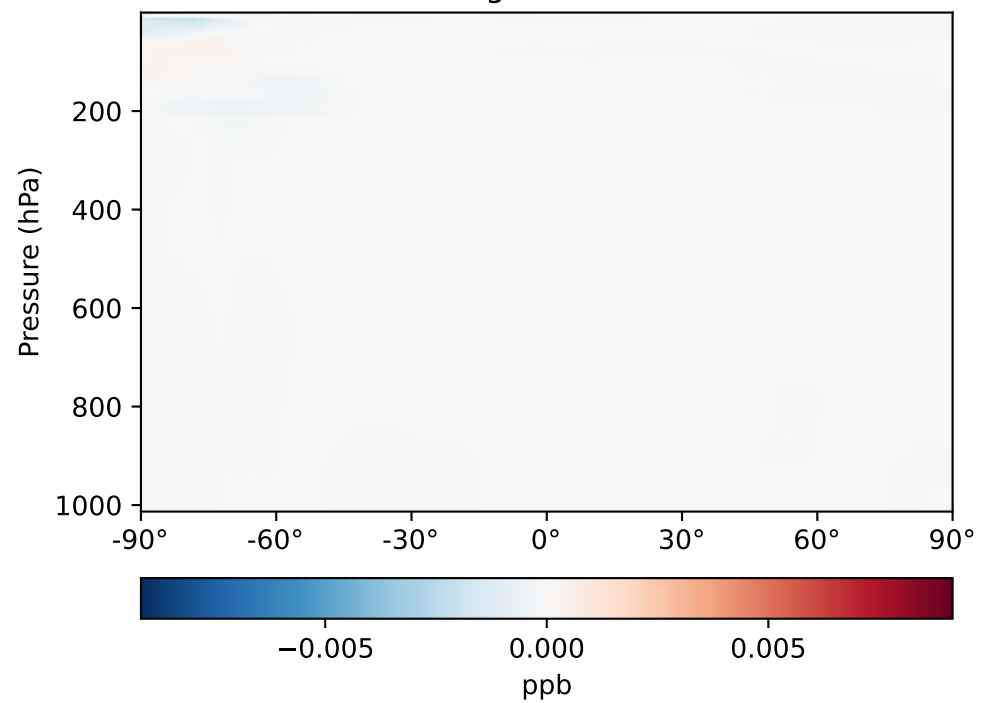


# SpeciesConc\_OClO, Zonal Mean

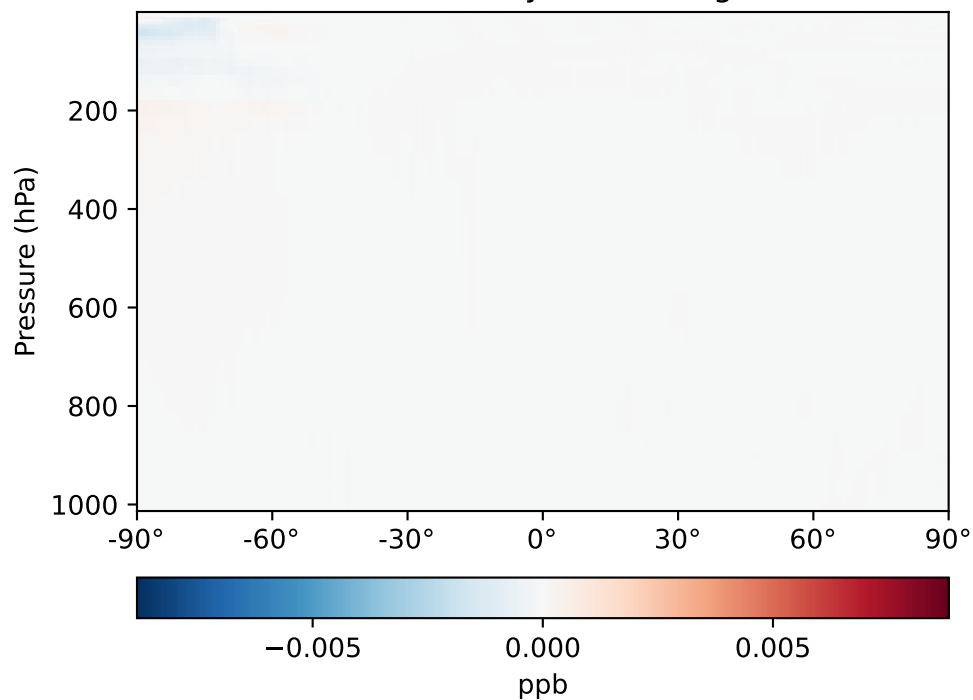
GCC\_13.4.0-rc.3 - GCC\_13.3.0-rc.1 (Ref)  
4.0x5.0



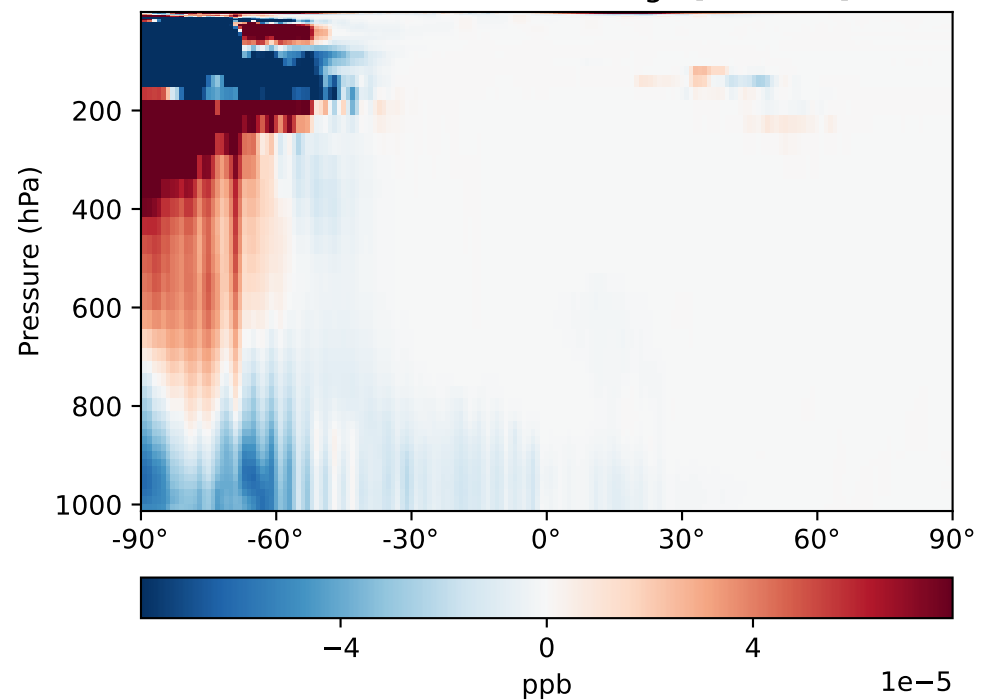
GCHP\_13.4.0-rc.3 - GCHP\_13.3.0-rc.1 (Dev)  
1x1.25 regrided from c48



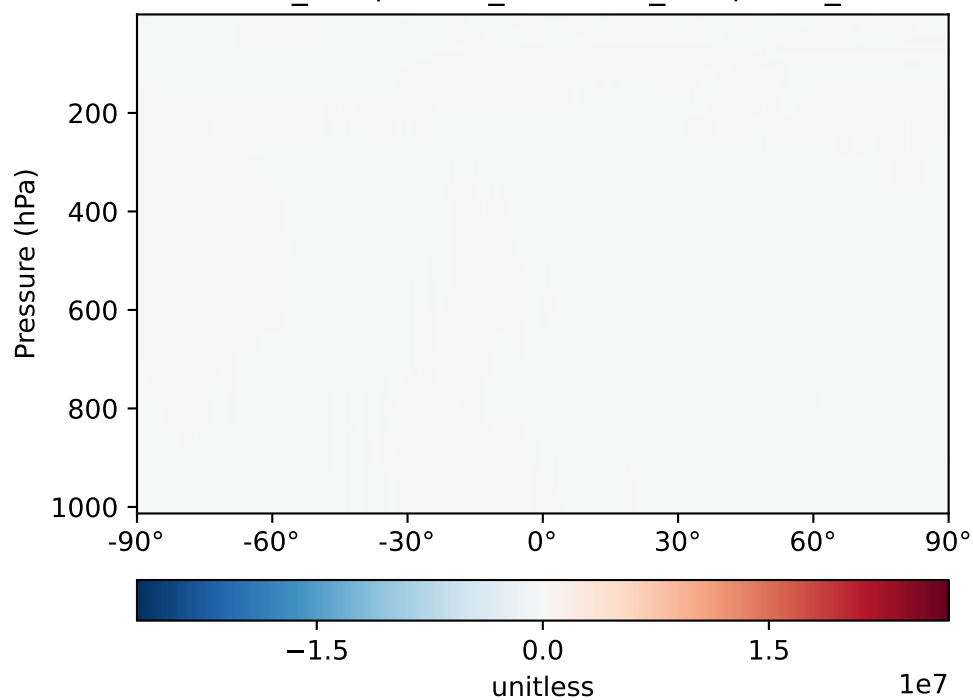
Difference (1x1.25)  
Dev - Ref, Dynamic Range



Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Difference (1x1.25), Dynamic Range  
GCHP\_dev / GCHP\_ref - GCC\_dev / GCC\_ref



Difference (1x1.25), Restricted Range [5%,95%]  
GCHP\_dev / GCHP\_ref - GCC\_dev / GCC\_ref

