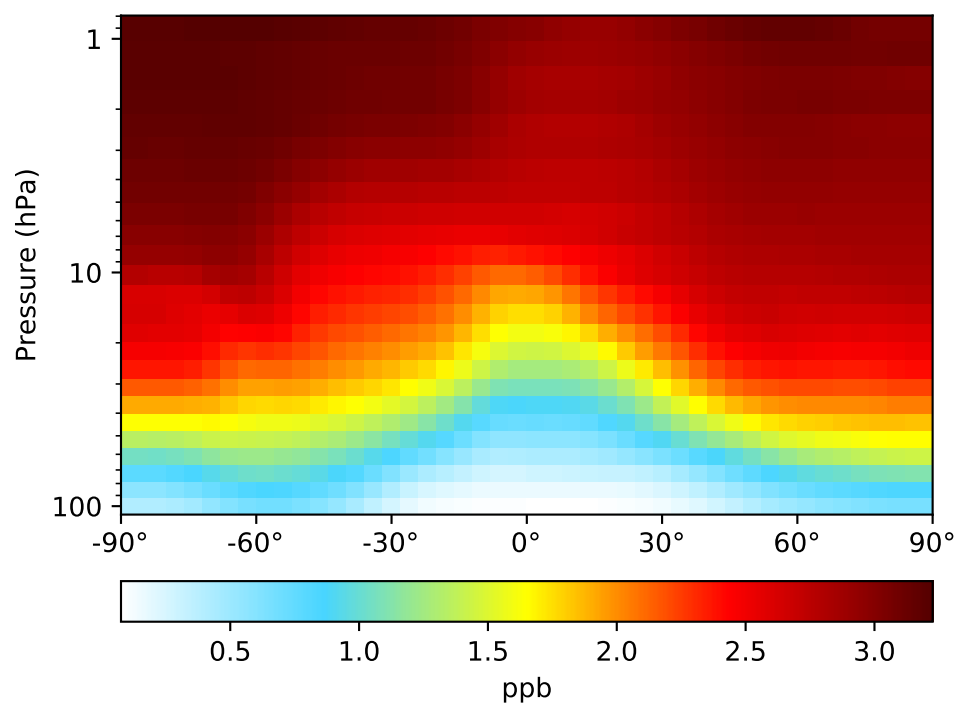
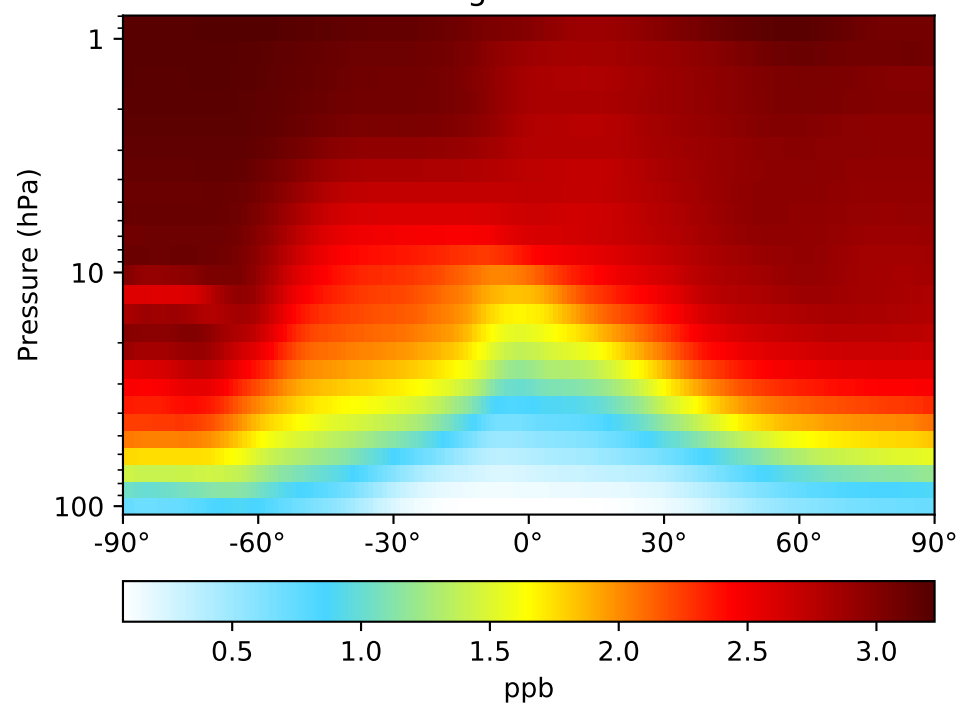


# SpeciesConc\_Cly, Zonal Mean (Jul2019)

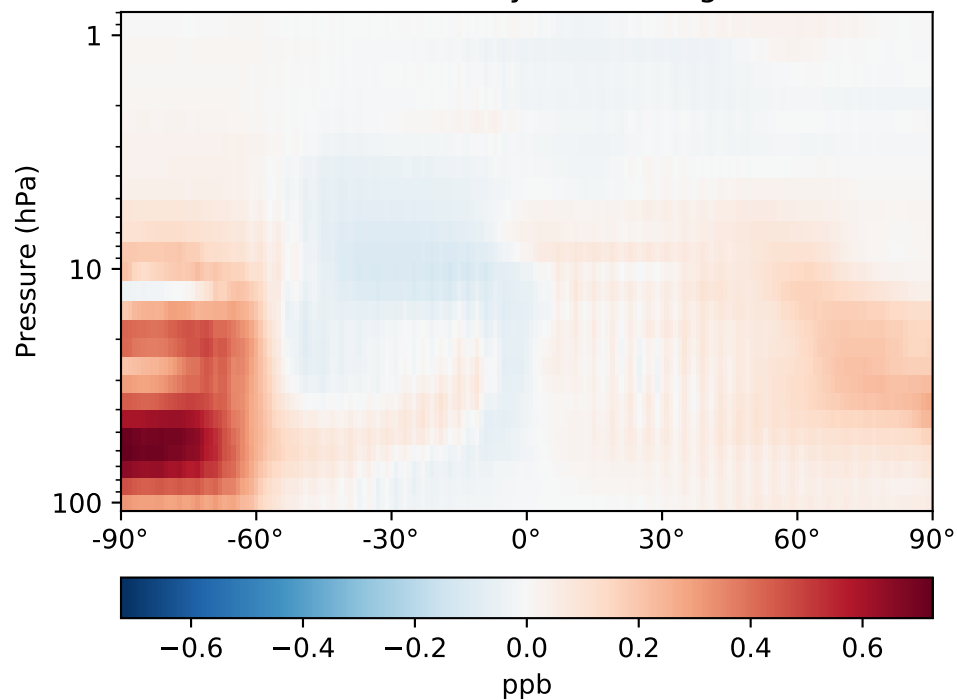
GCC\_13.0.0-beta.1 (Ref)  
4.0x5.0



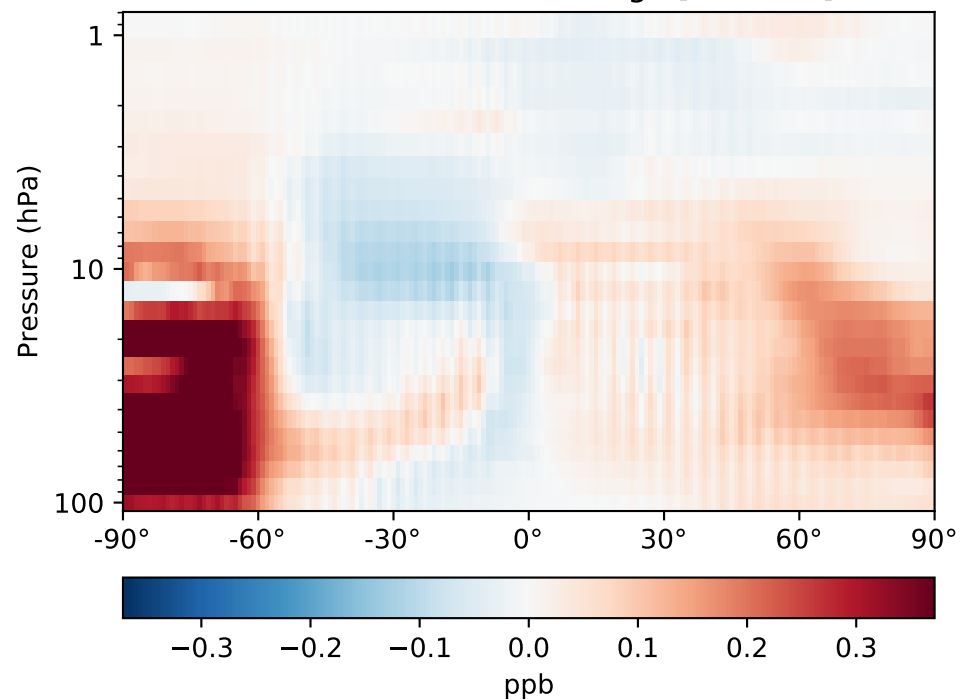
GCHP\_13.0.0-beta.1 (Dev)  
1x1.25 regrided from c48



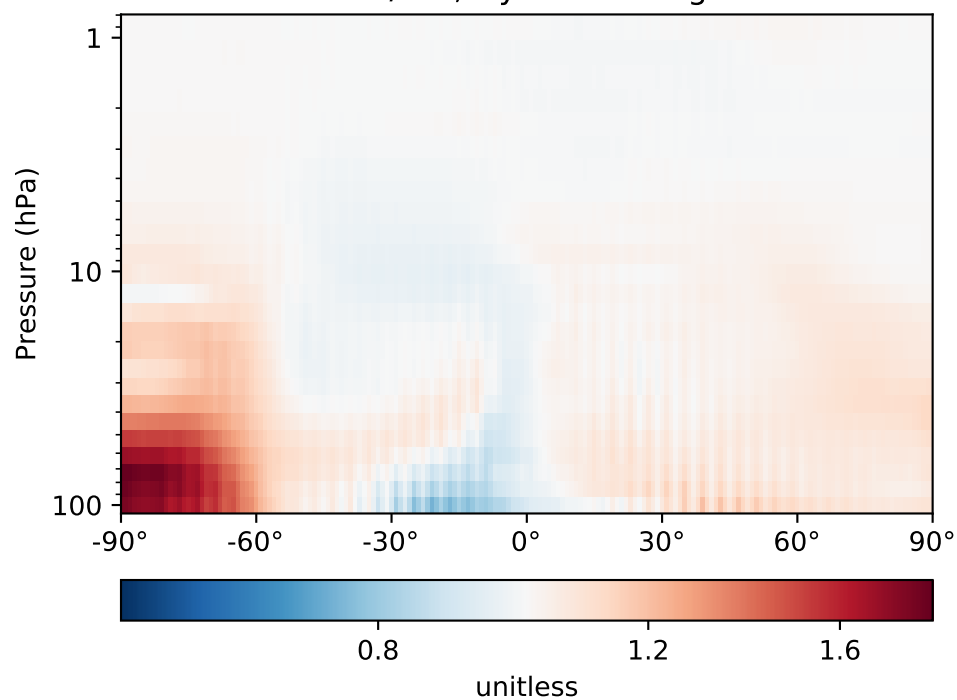
Difference (1x1.25)  
Dev - Ref, Dynamic Range



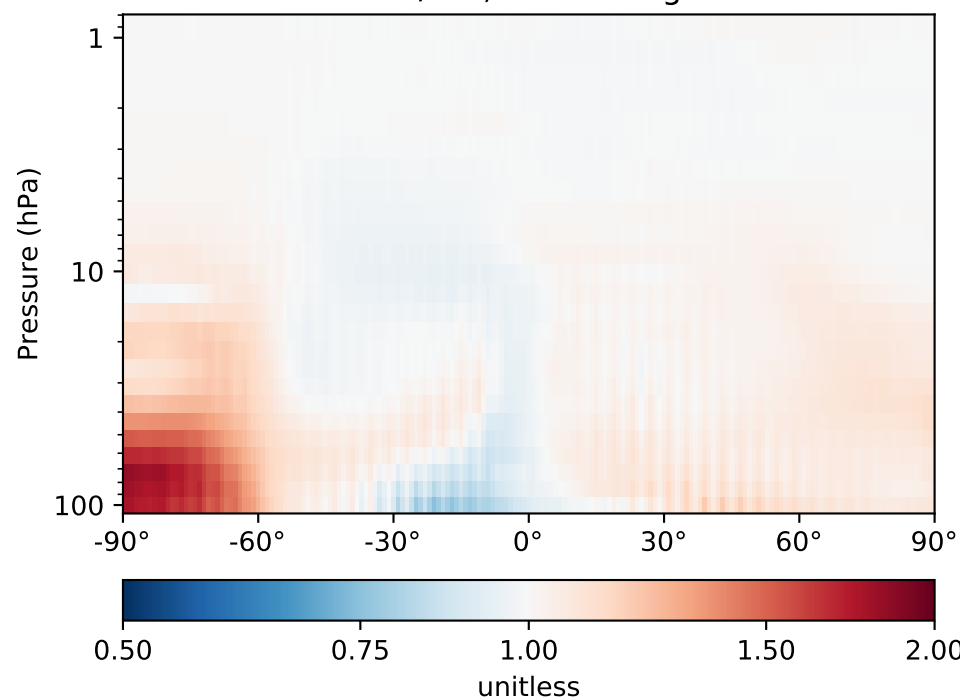
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)  
Dev/Ref, Dynamic Range

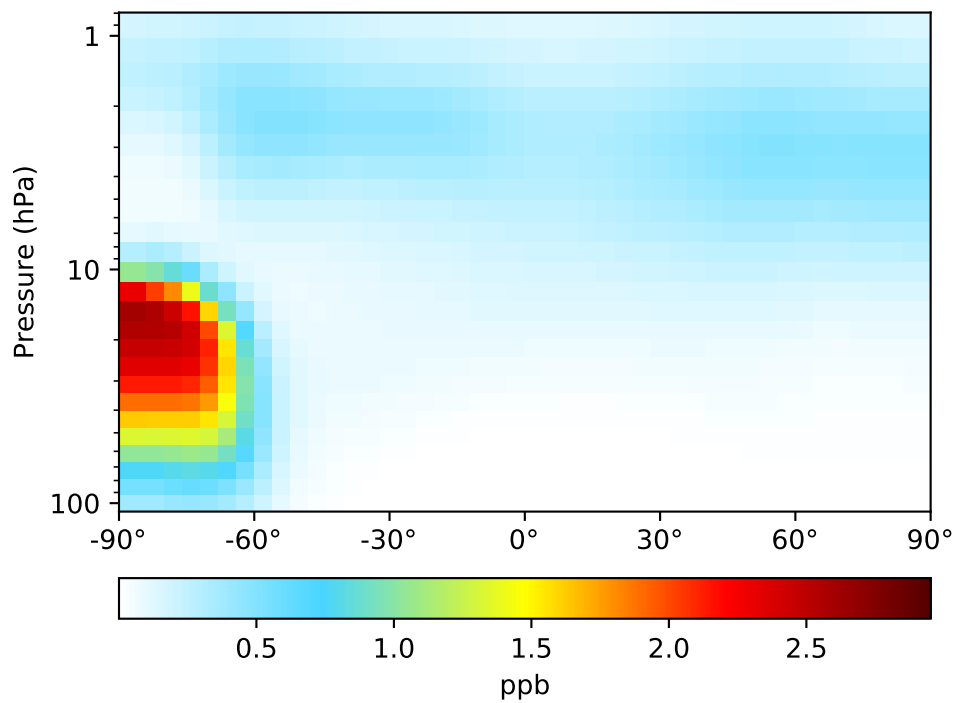


Ratio (1x1.25)  
Dev/Ref, Fixed Range

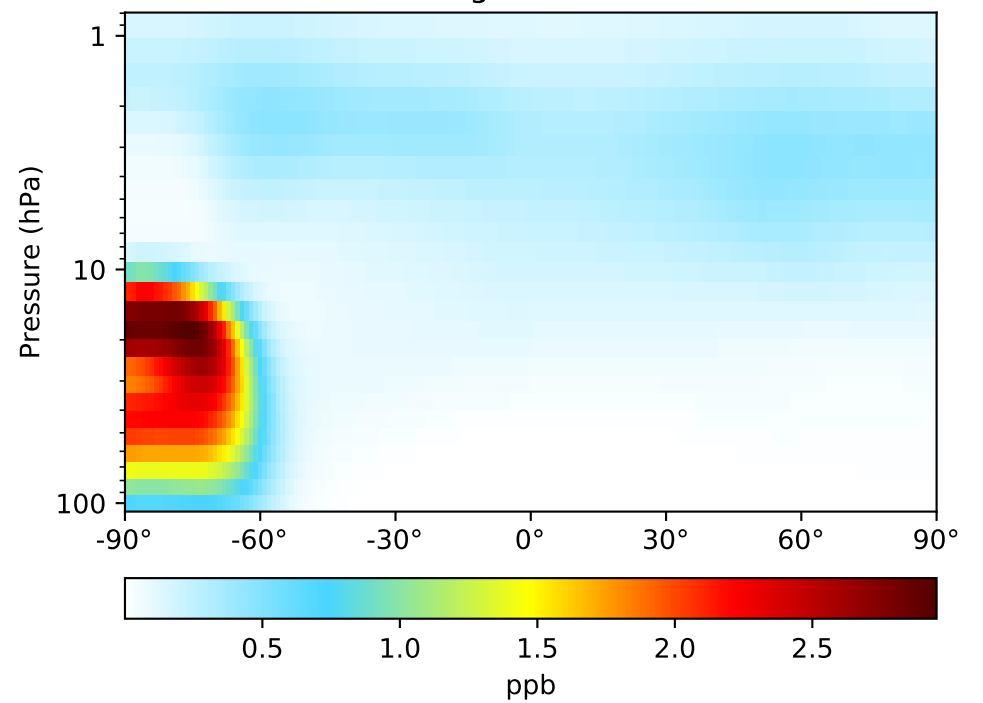


# SpeciesConc\_ClOx, Zonal Mean (Jul2019)

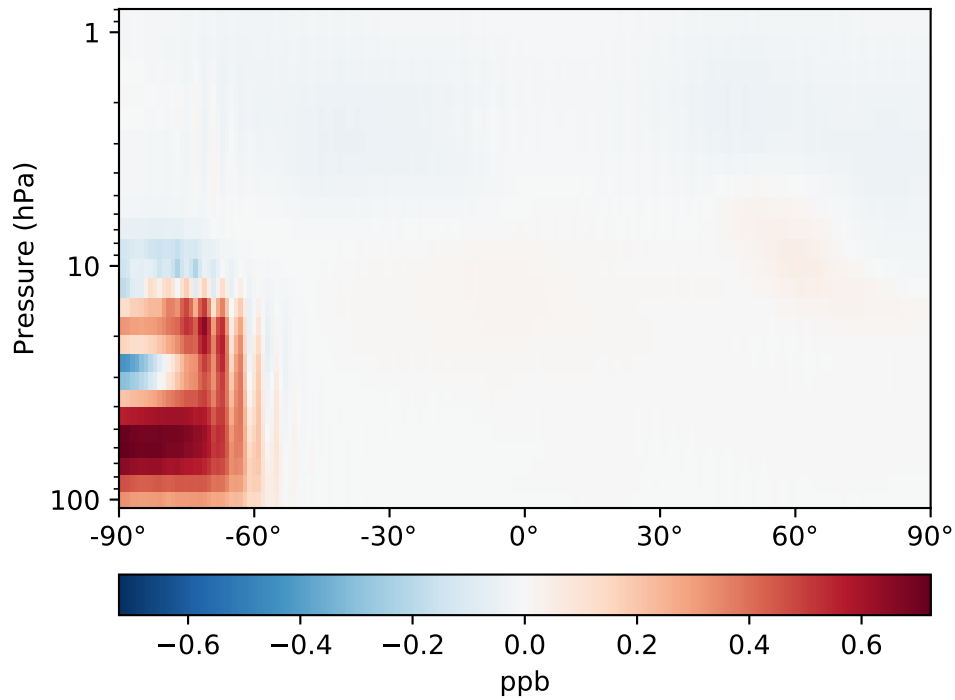
GCC\_13.0.0-beta.1 (Ref)  
4.0x5.0



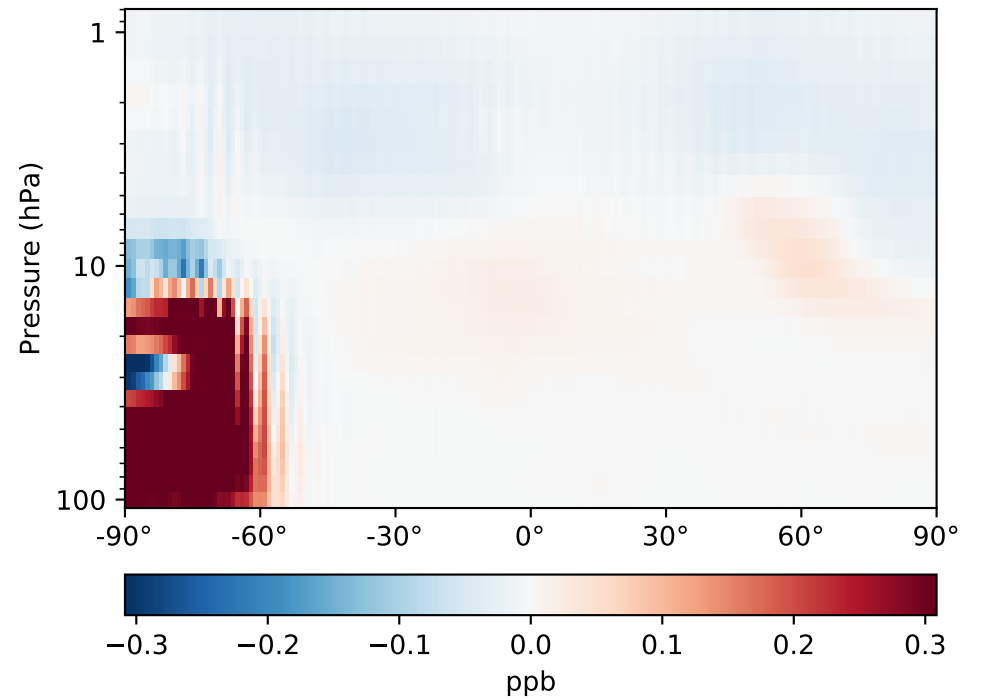
GCHP\_13.0.0-beta.1 (Dev)  
1x1.25 regrided from c48



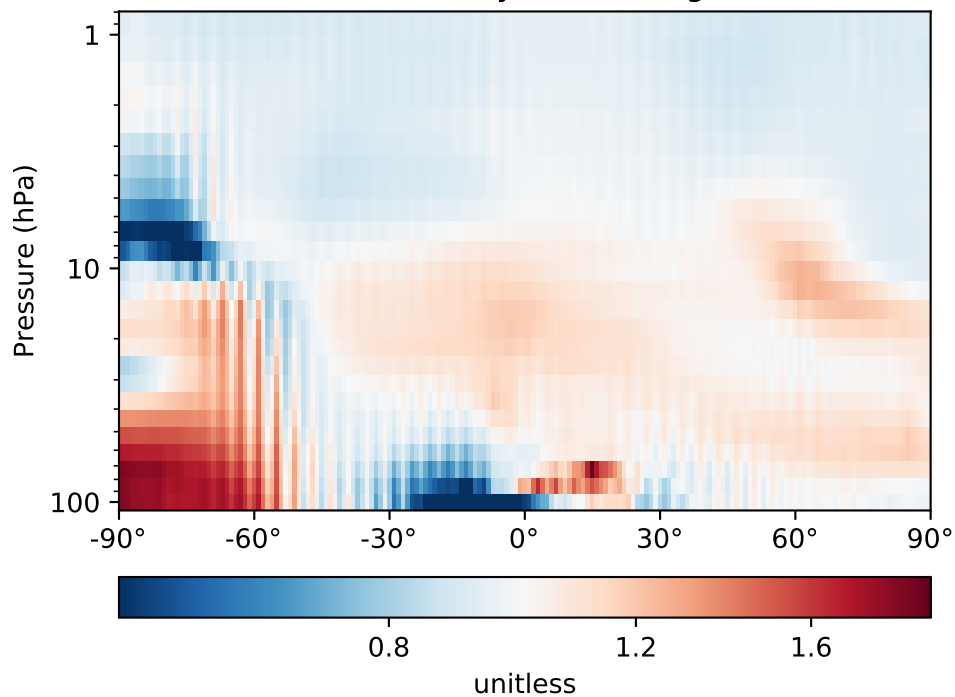
Difference (1x1.25)  
Dev - Ref, Dynamic Range



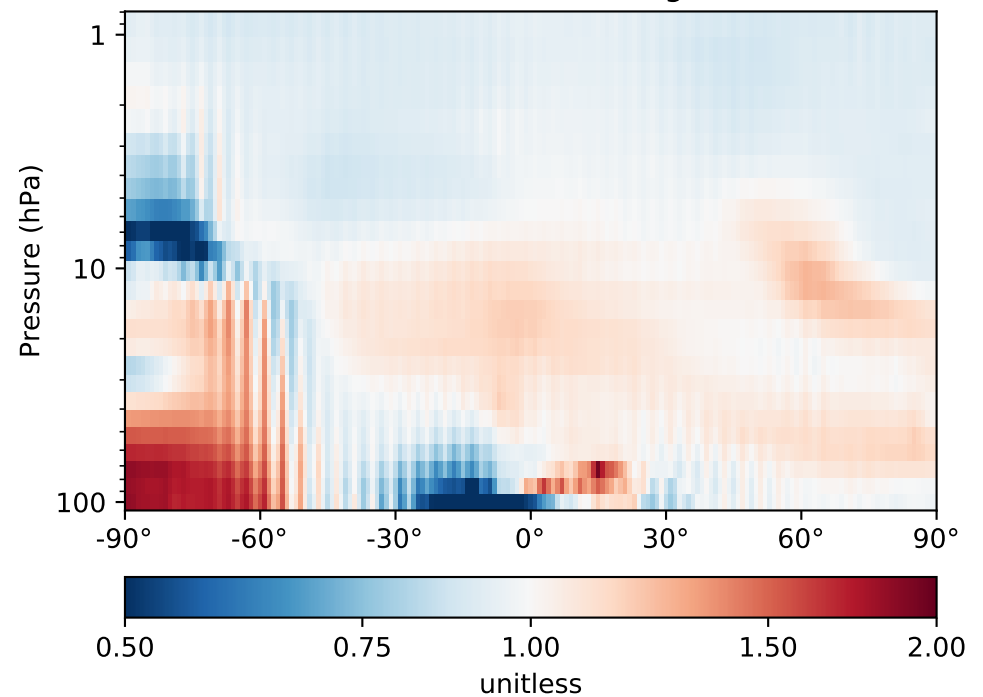
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)  
Dev/Ref, Dynamic Range

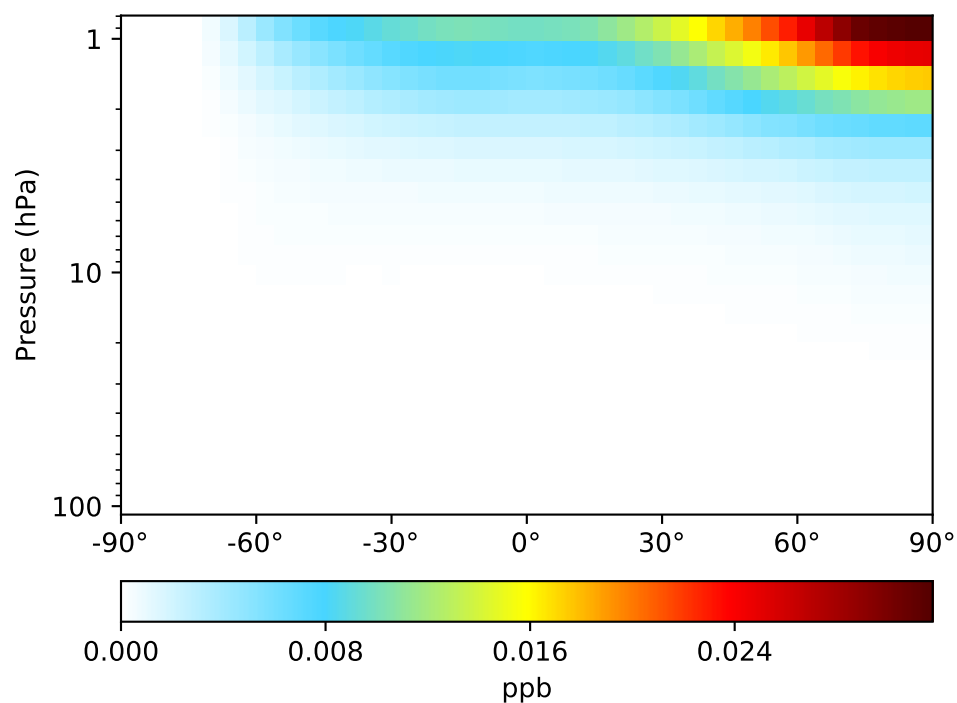


Ratio (1x1.25)  
Dev/Ref, Fixed Range

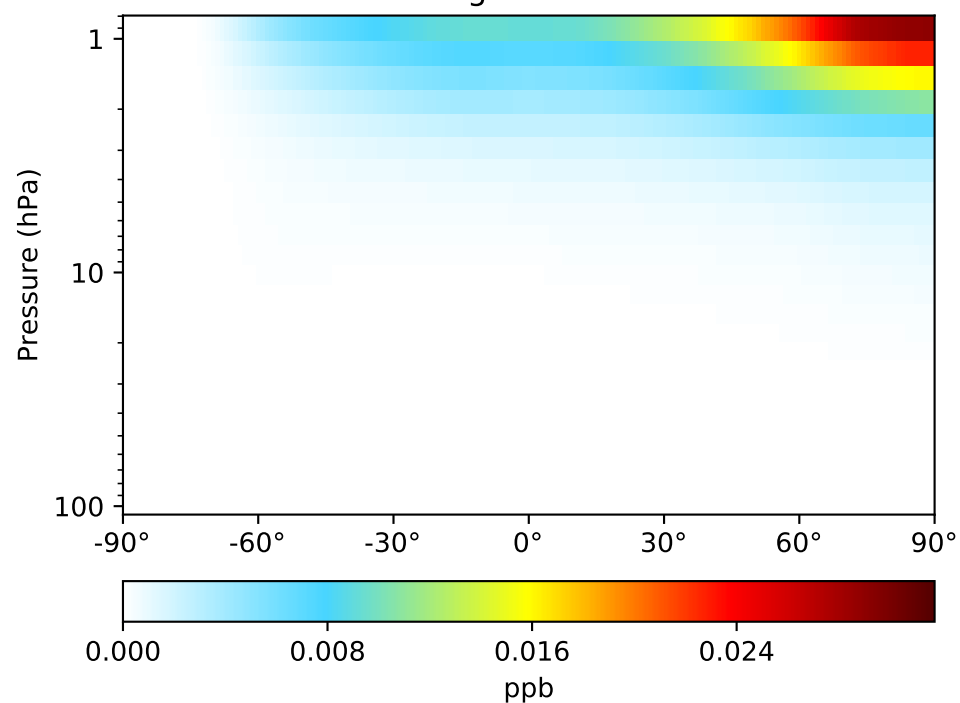


# SpeciesConc\_Cl, Zonal Mean (Jul2019)

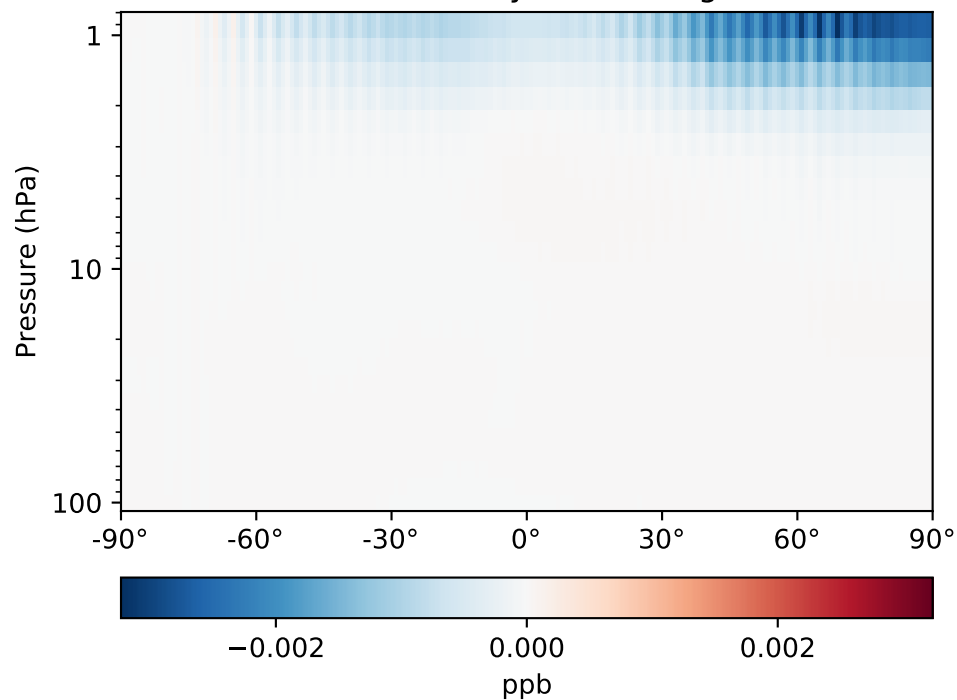
GCC\_13.0.0-beta.1 (Ref)  
4.0x5.0



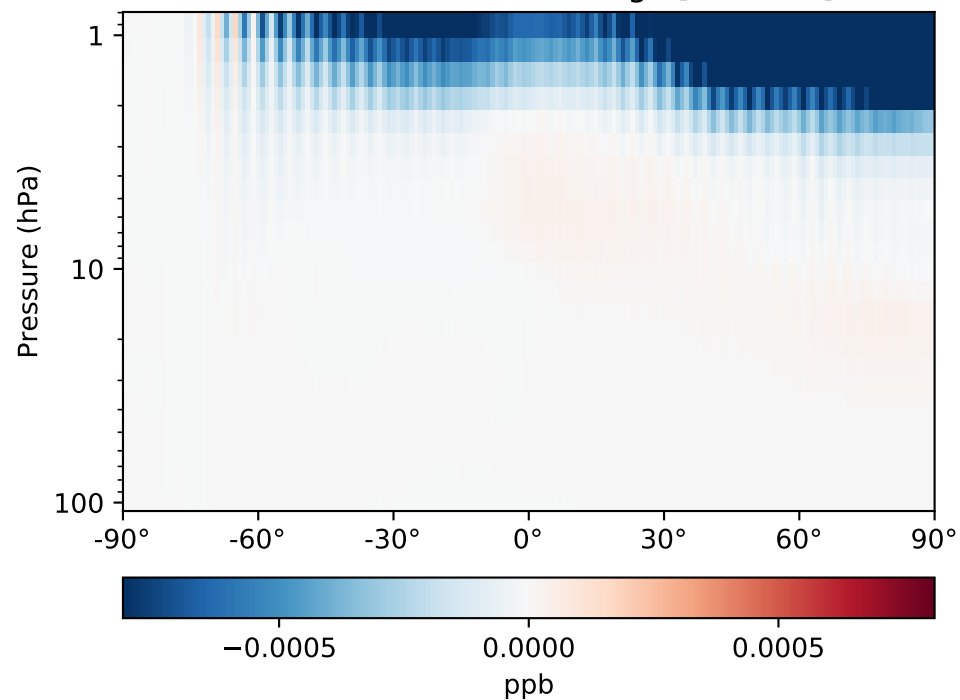
GCHP\_13.0.0-beta.1 (Dev)  
1x1.25 regrided from c48



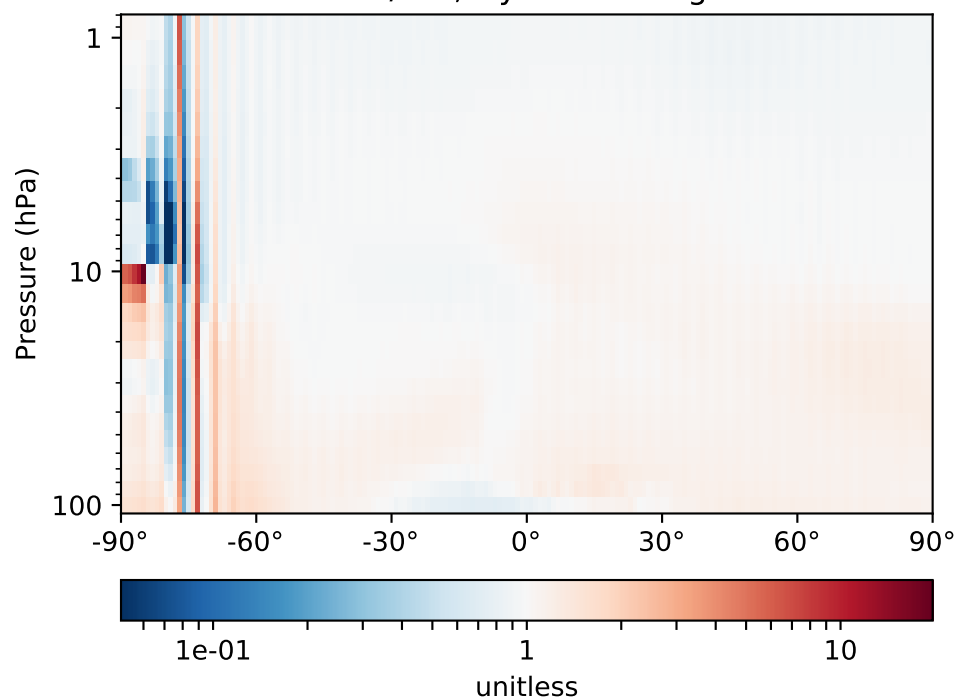
Difference (1x1.25)  
Dev - Ref, Dynamic Range



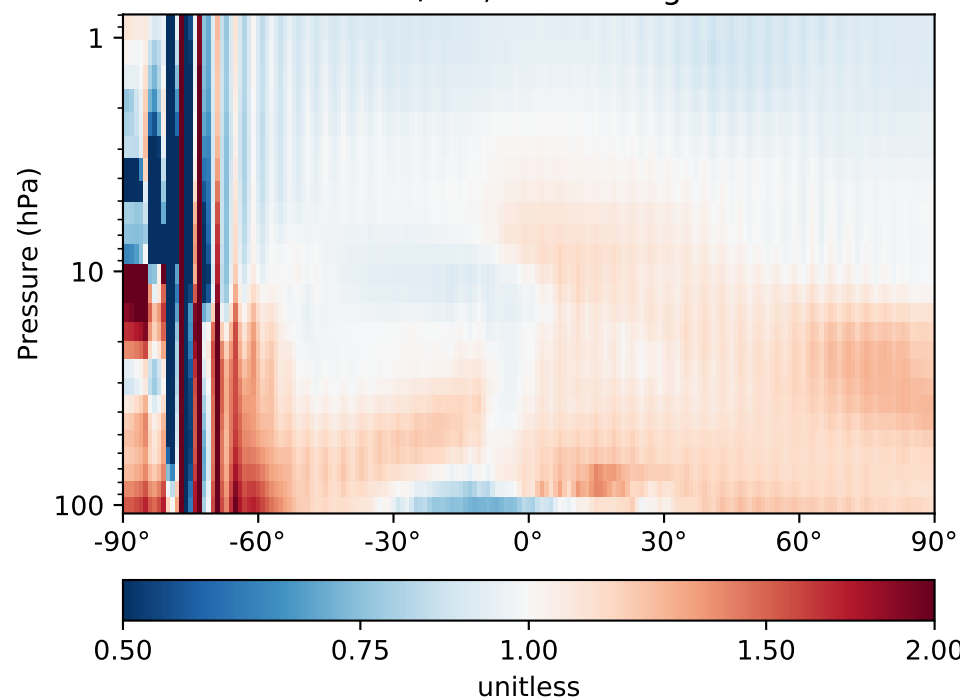
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)  
Dev/Ref, Dynamic Range

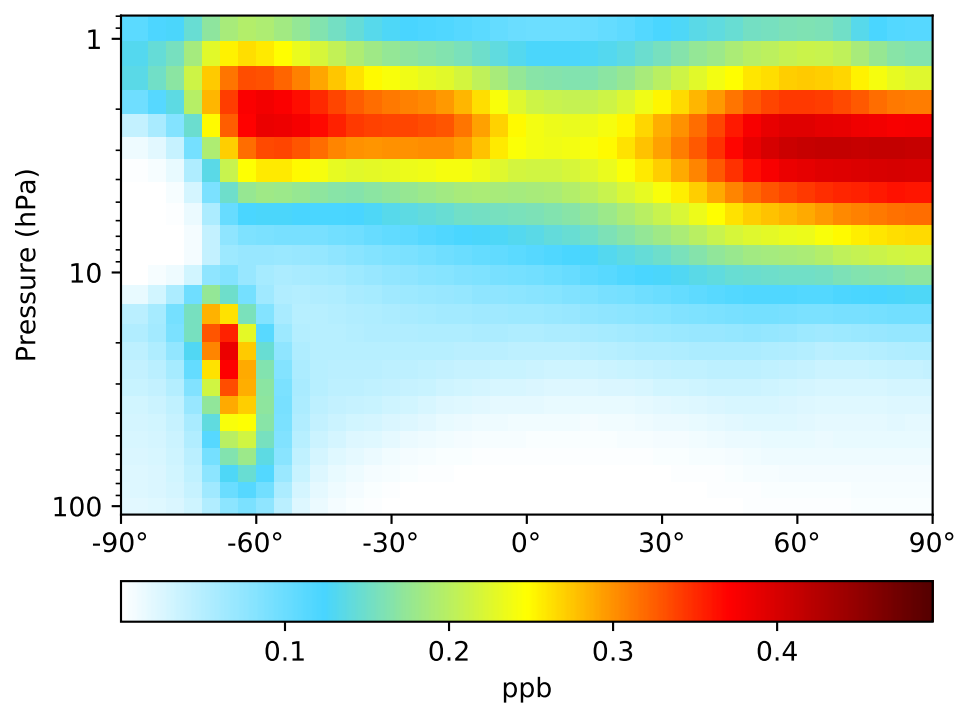


Ratio (1x1.25)  
Dev/Ref, Fixed Range

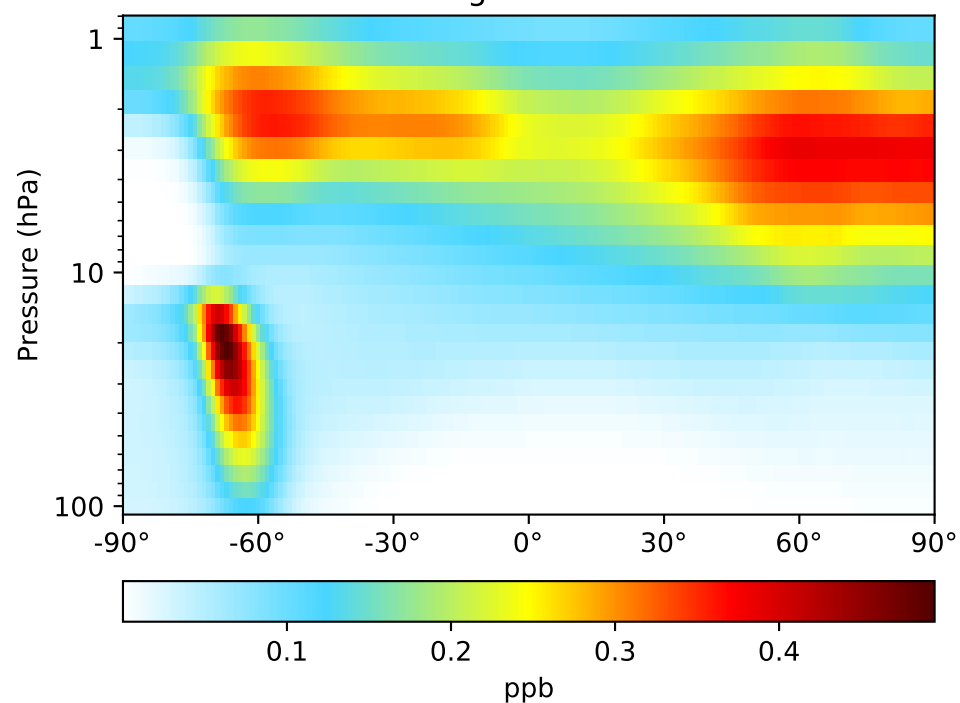


# SpeciesConc\_ClO, Zonal Mean (Jul2019)

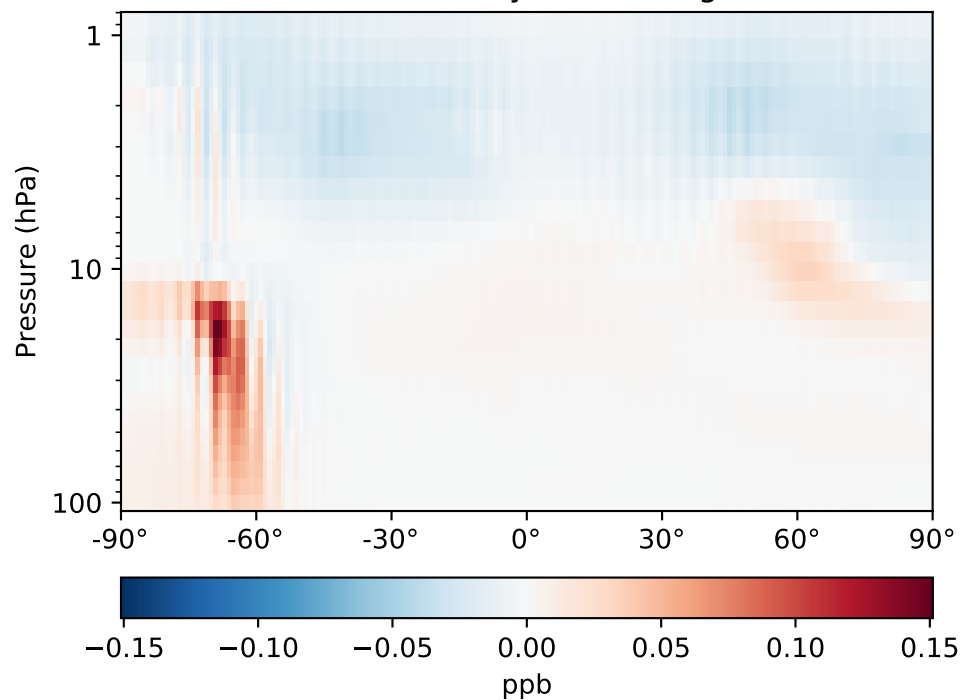
GCC\_13.0.0-beta.1 (Ref)  
4.0x5.0



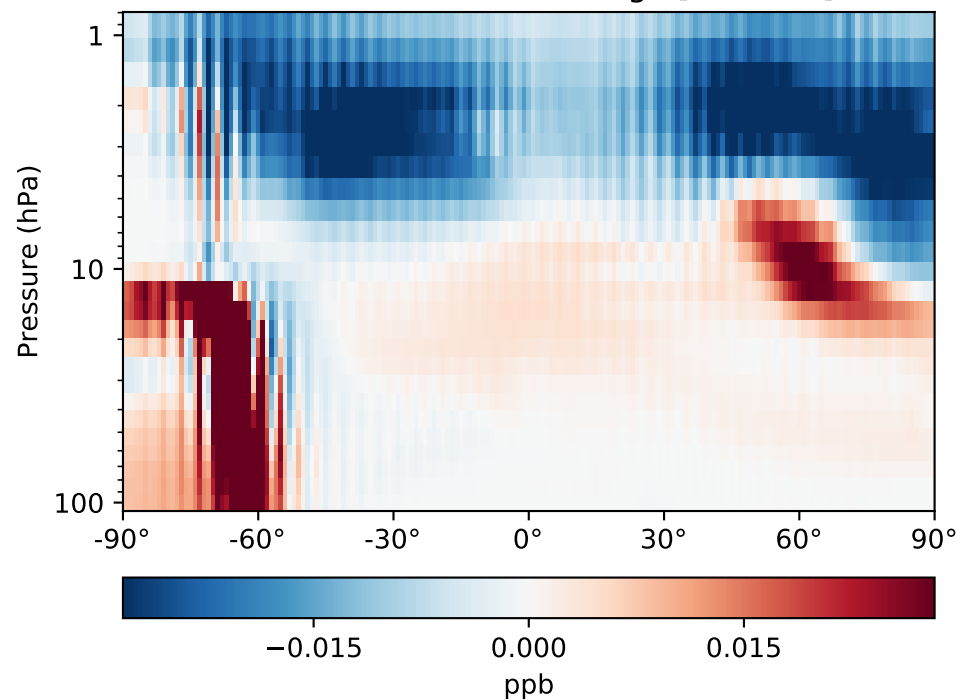
GCHP\_13.0.0-beta.1 (Dev)  
1x1.25 regrided from c48



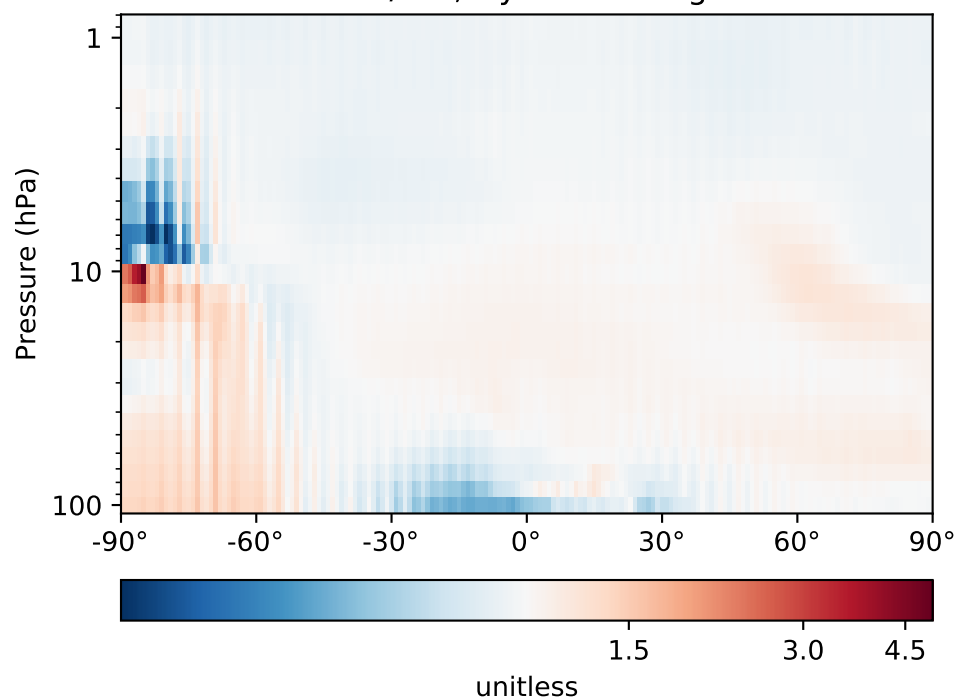
Difference (1x1.25)  
Dev - Ref, Dynamic Range



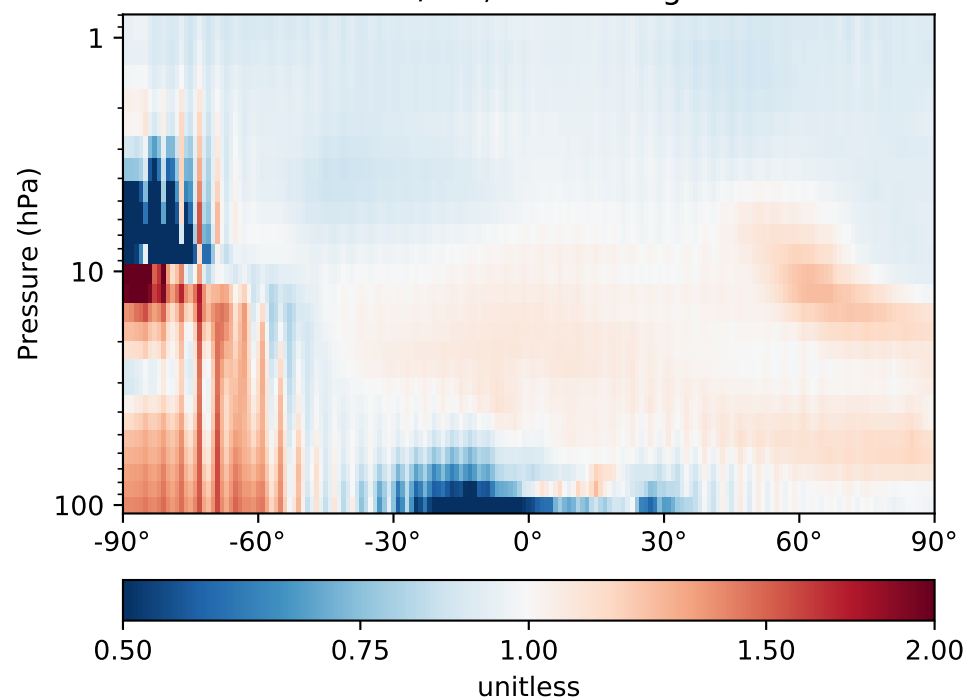
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)  
Dev/Ref, Dynamic Range



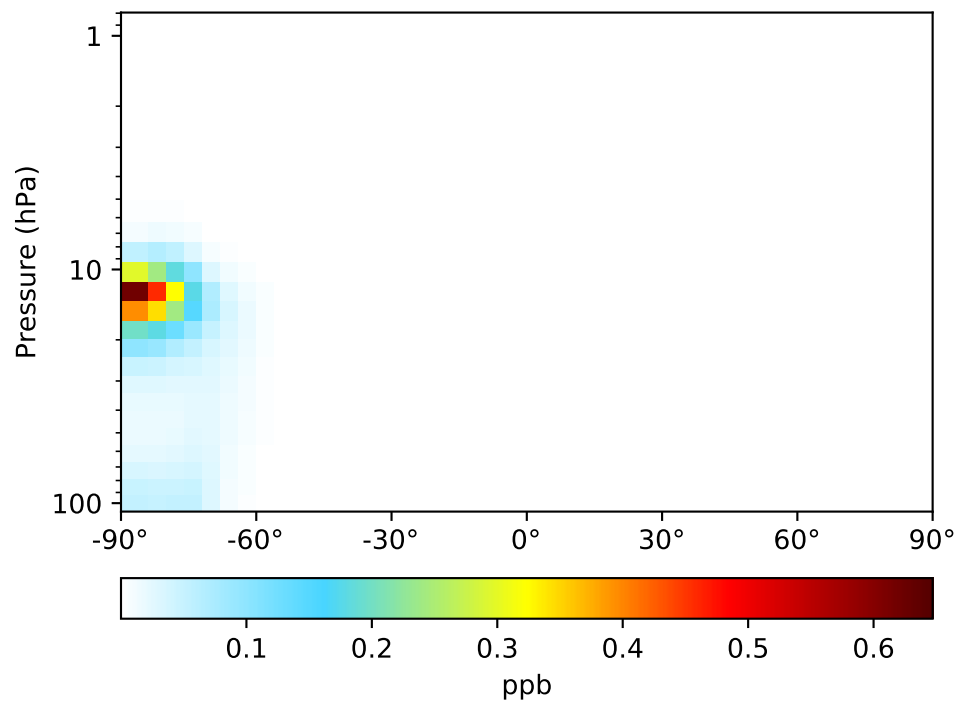
Ratio (1x1.25)  
Dev/Ref, Fixed Range



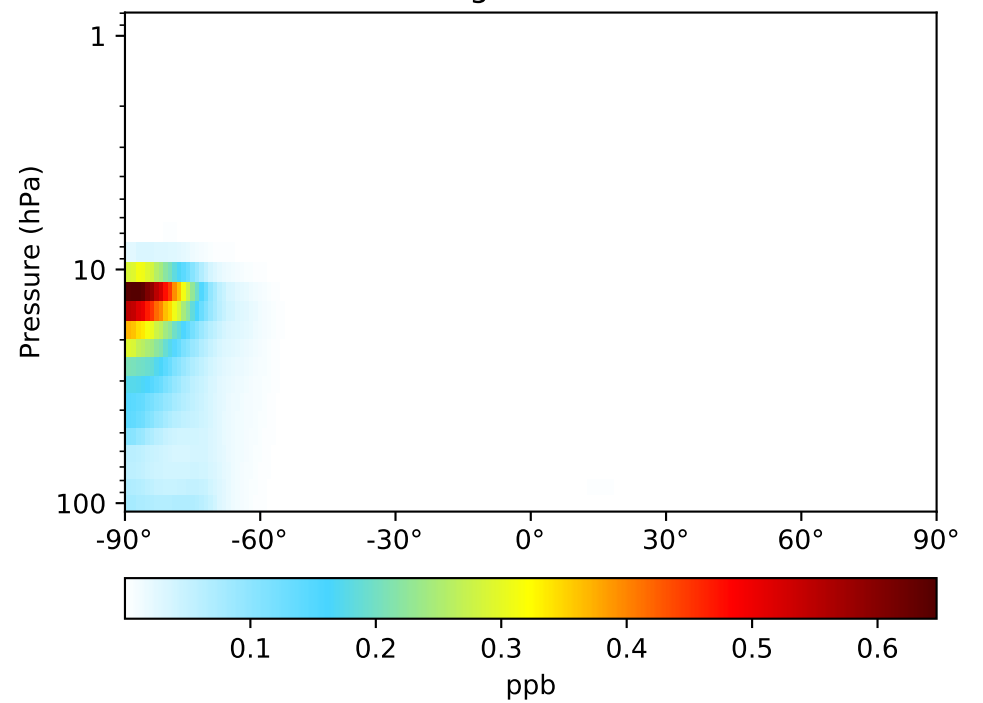


# SpeciesConc\_Cl2, Zonal Mean (Jul2019)

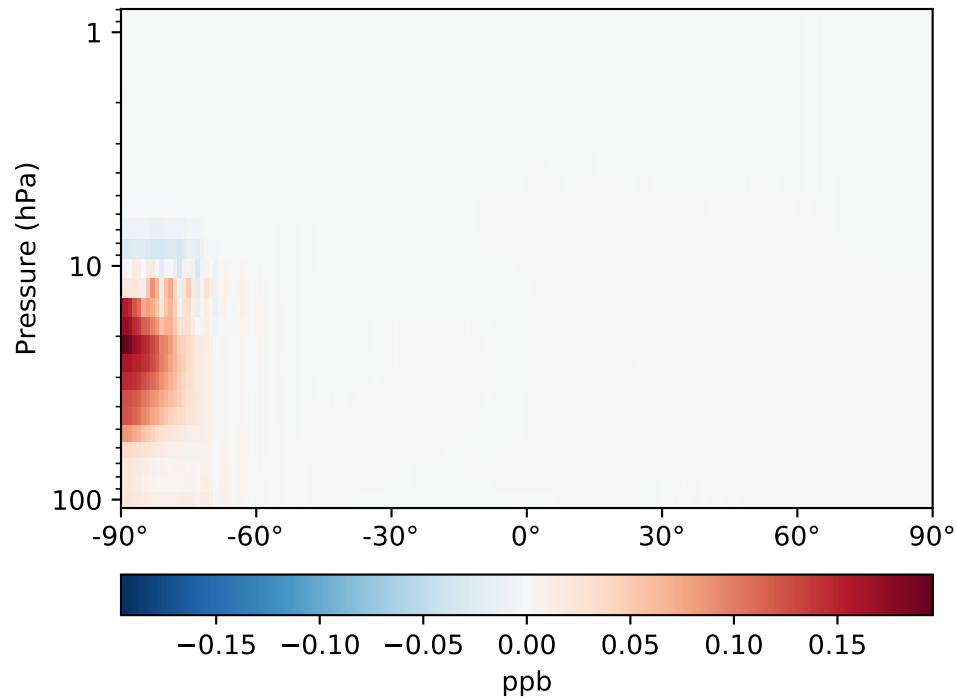
GCC\_13.0.0-beta.1 (Ref)  
4.0x5.0



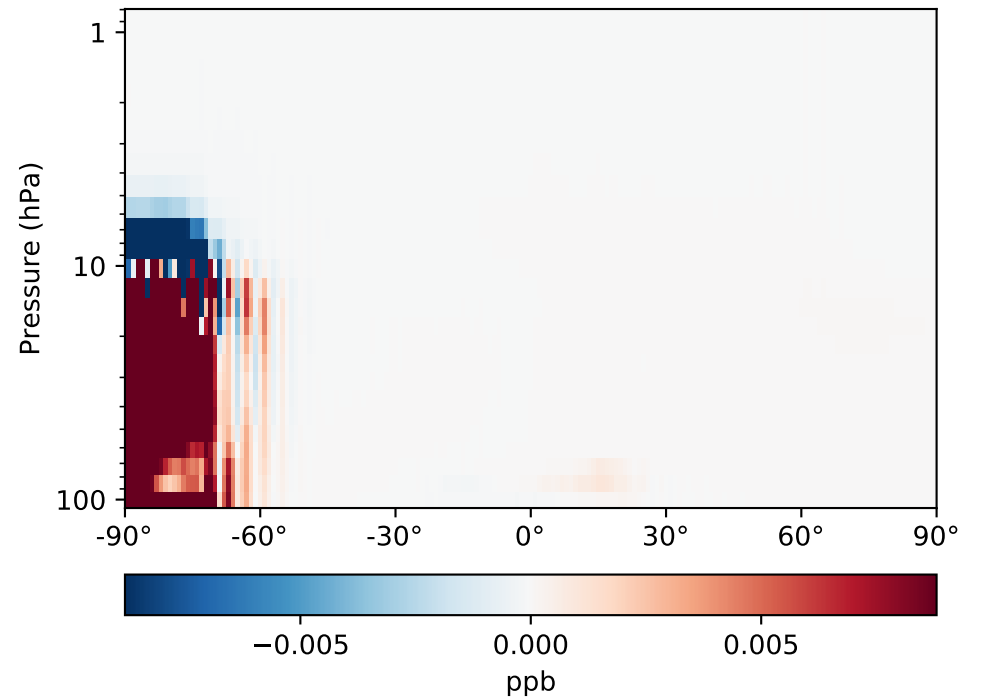
GCHP\_13.0.0-beta.1 (Dev)  
1x1.25 regrided from c48



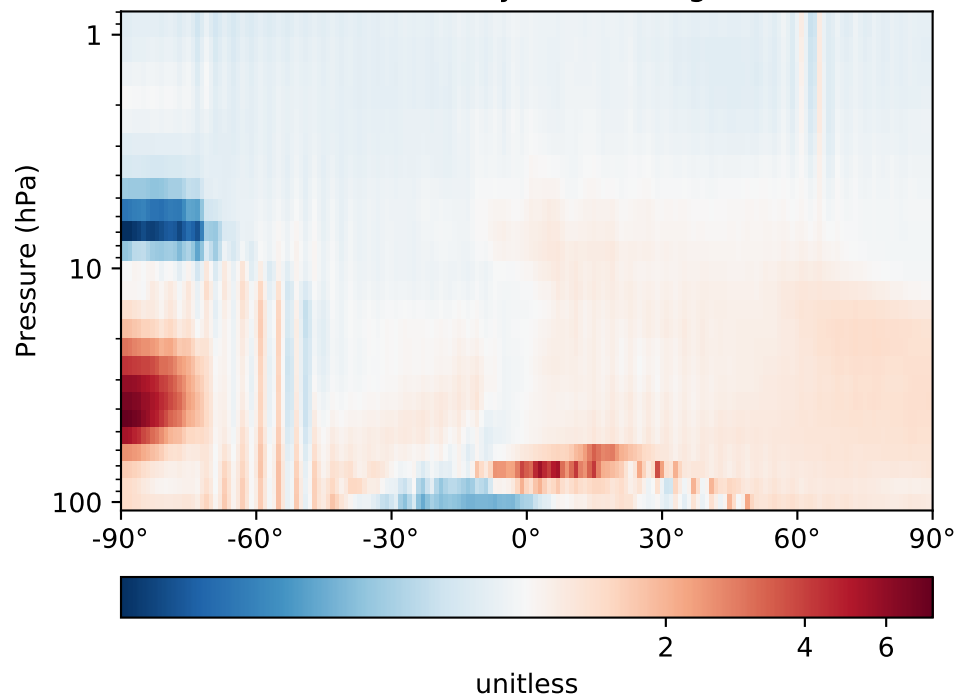
Difference (1x1.25)  
Dev - Ref, Dynamic Range



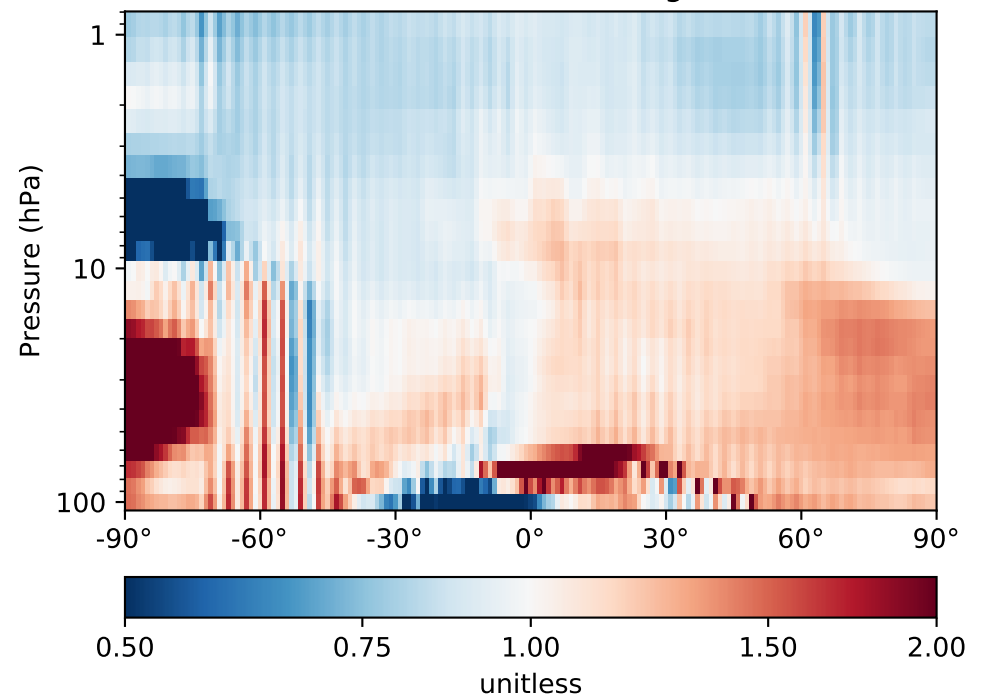
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)  
Dev/Ref, Dynamic Range

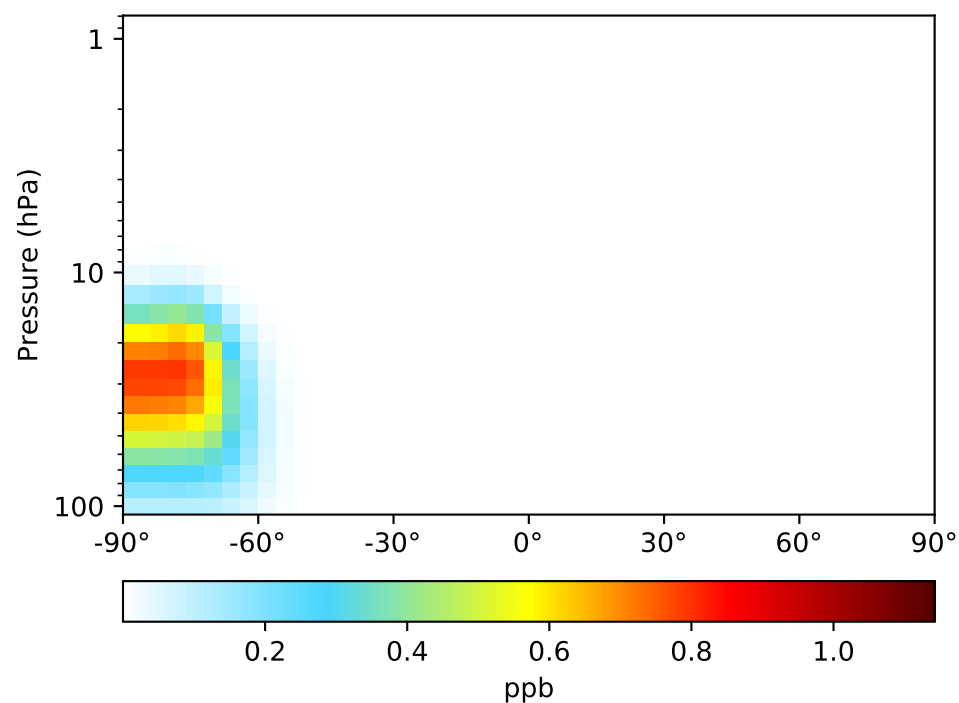


Ratio (1x1.25)  
Dev/Ref, Fixed Range

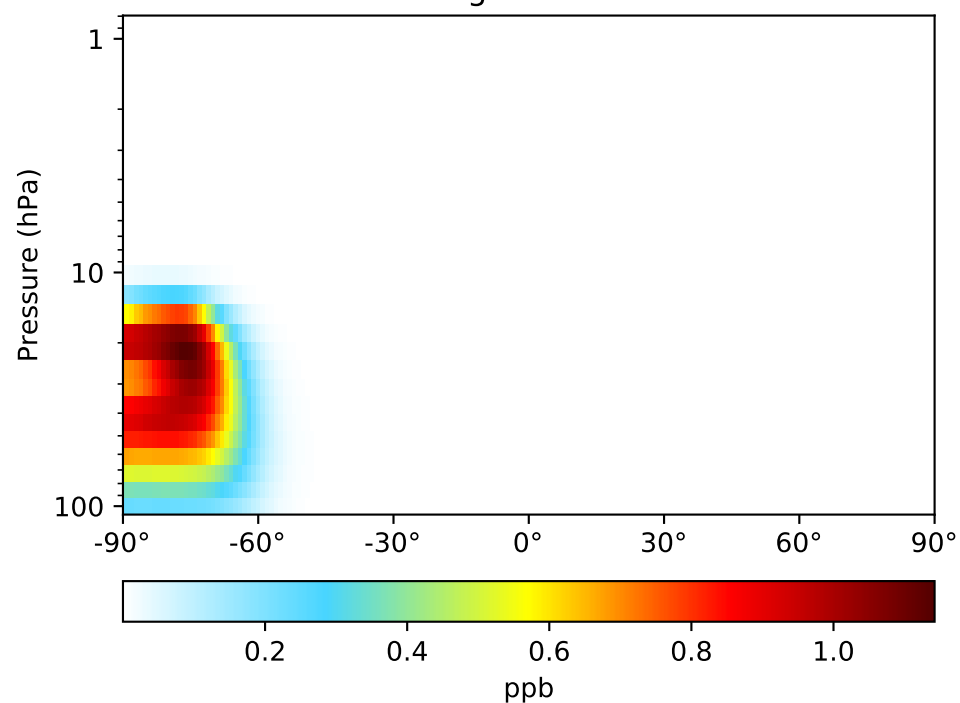


# SpeciesConc\_Cl2O2, Zonal Mean (Jul2019)

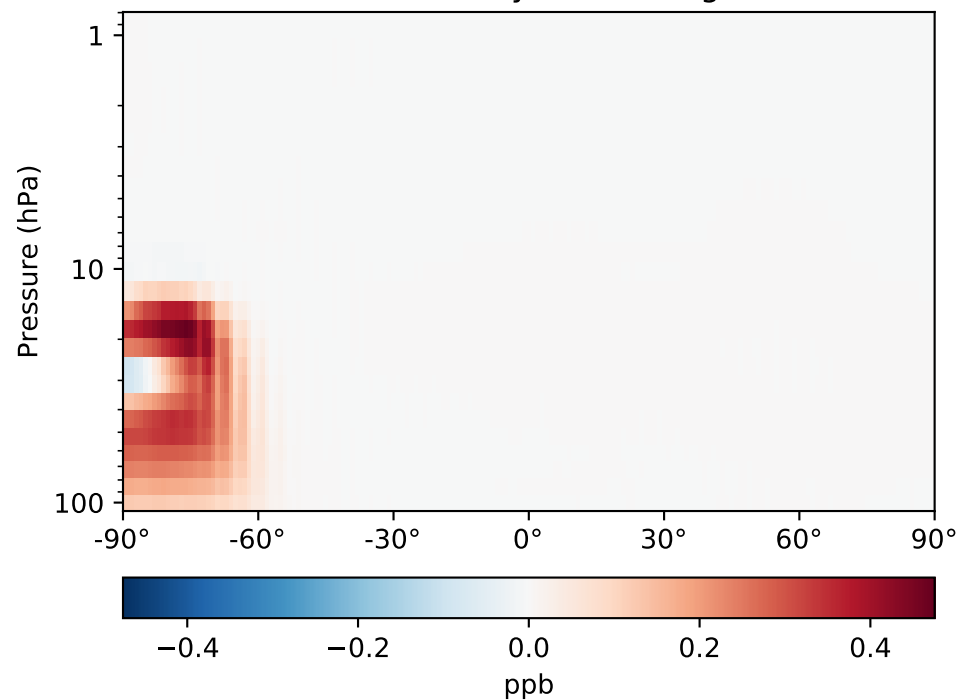
GCC\_13.0.0-beta.1 (Ref)  
4.0x5.0



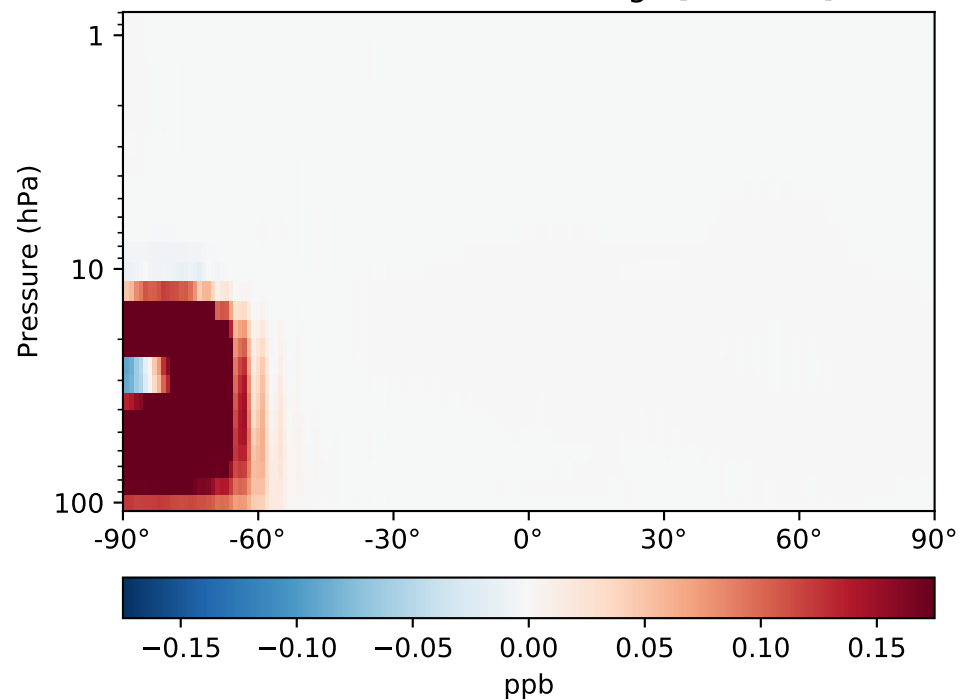
GCHP\_13.0.0-beta.1 (Dev)  
1x1.25 regrided from c48



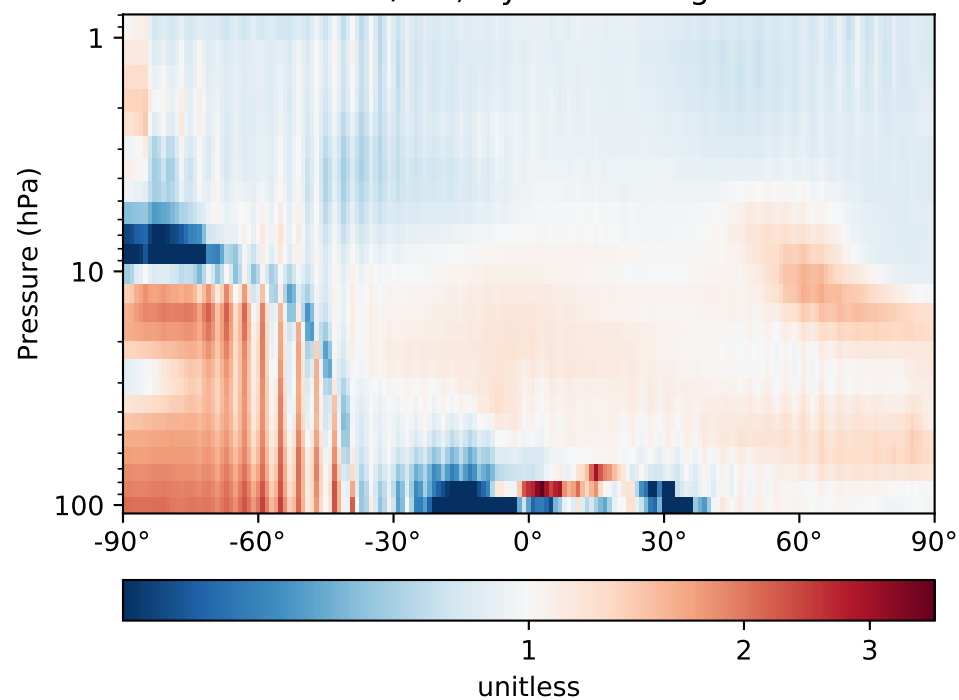
Difference (1x1.25)  
Dev - Ref, Dynamic Range



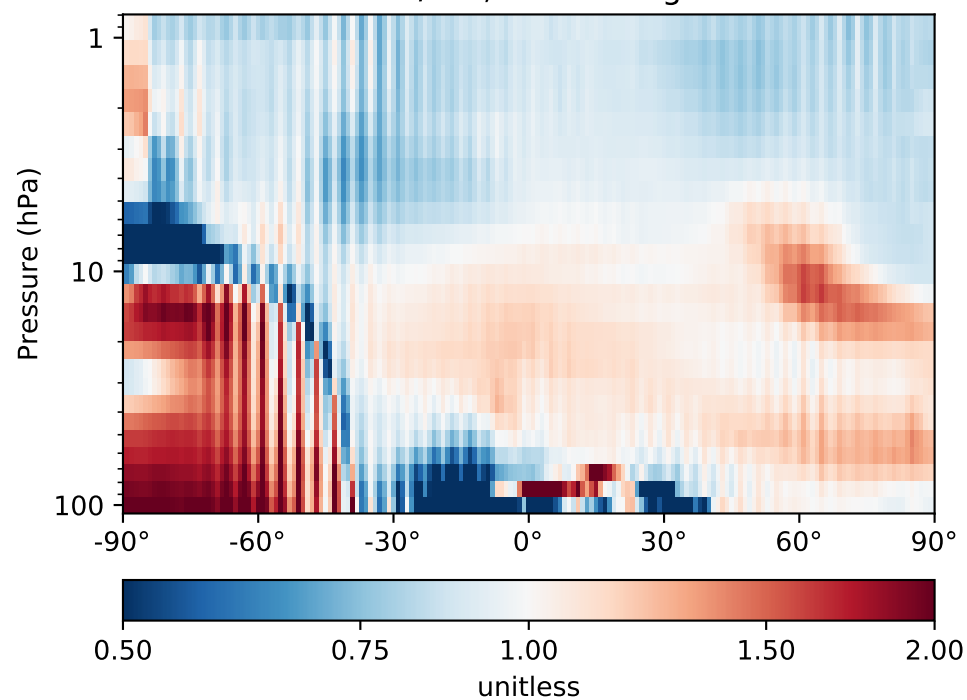
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)  
Dev/Ref, Dynamic Range

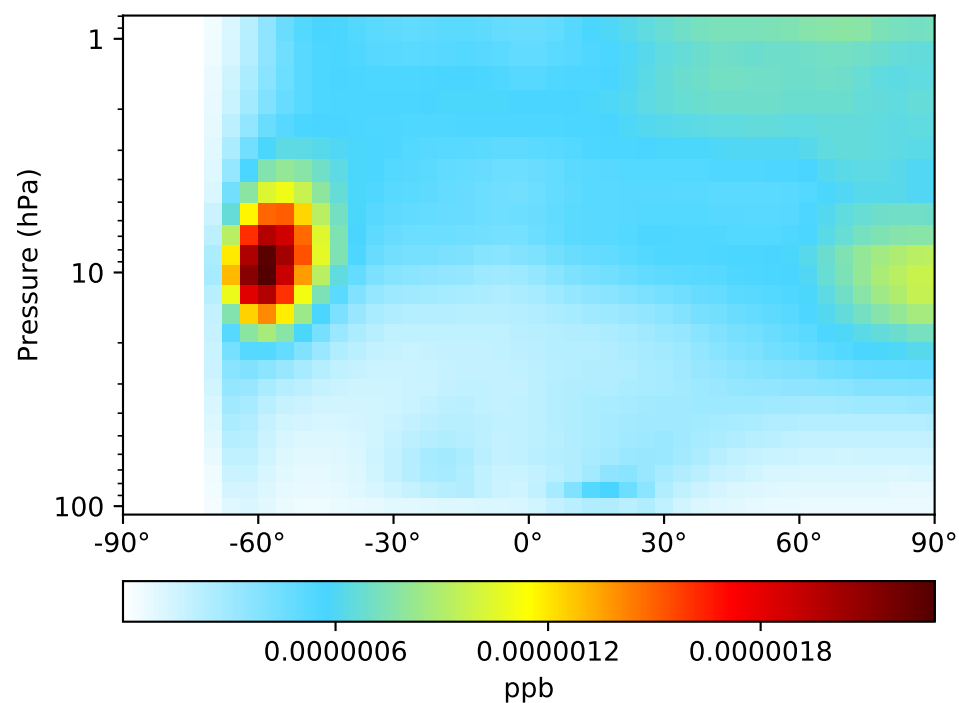


Ratio (1x1.25)  
Dev/Ref, Fixed Range

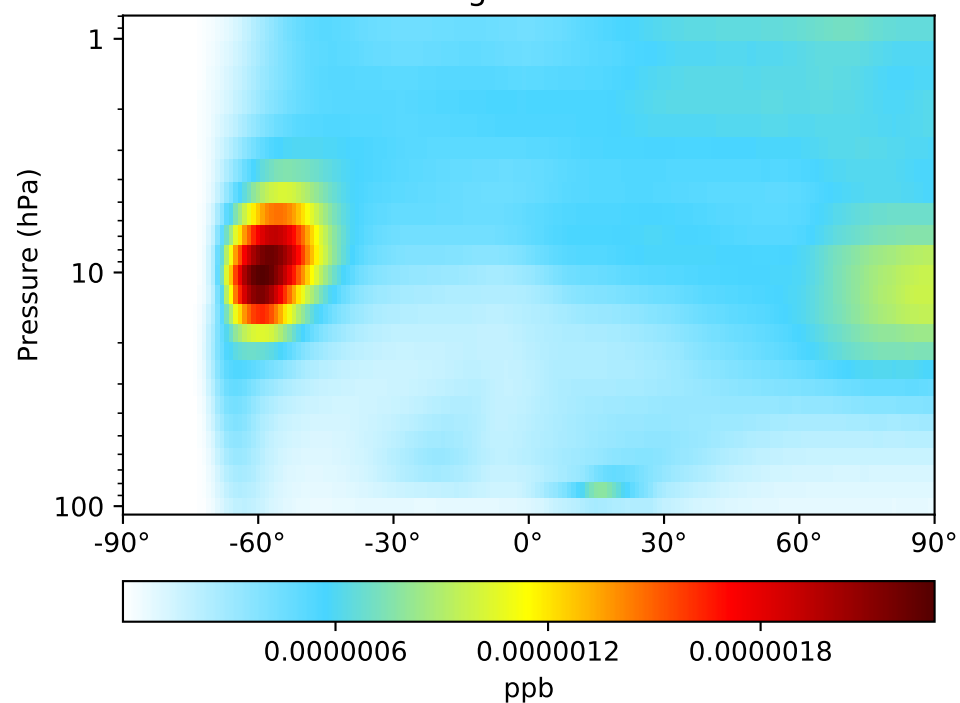


# SpeciesConc\_ClOO, Zonal Mean (Jul2019)

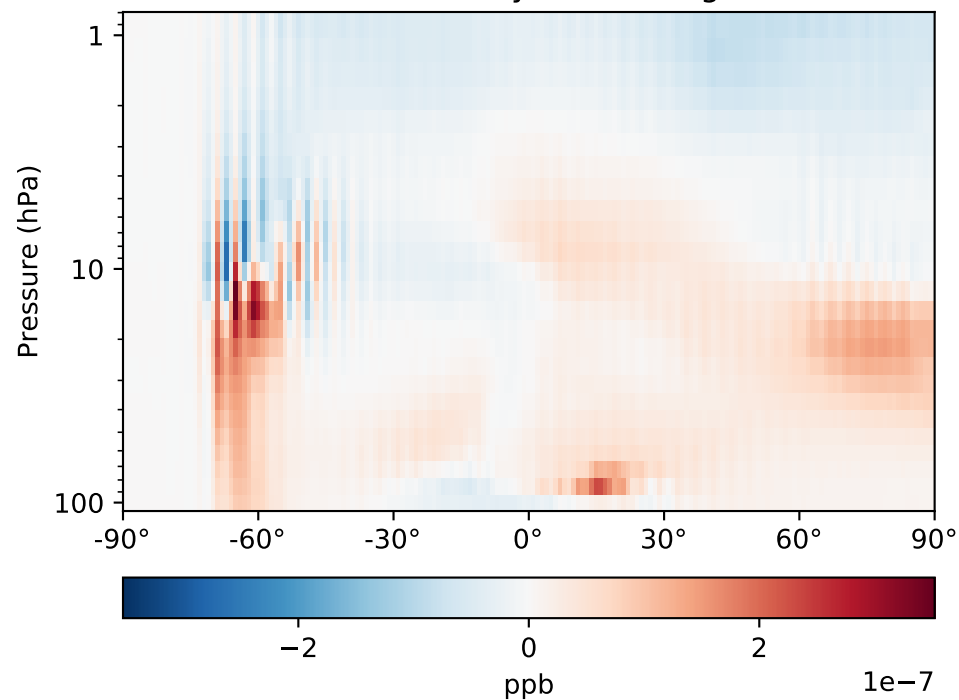
GCC\_13.0.0-beta.1 (Ref)  
4.0x5.0



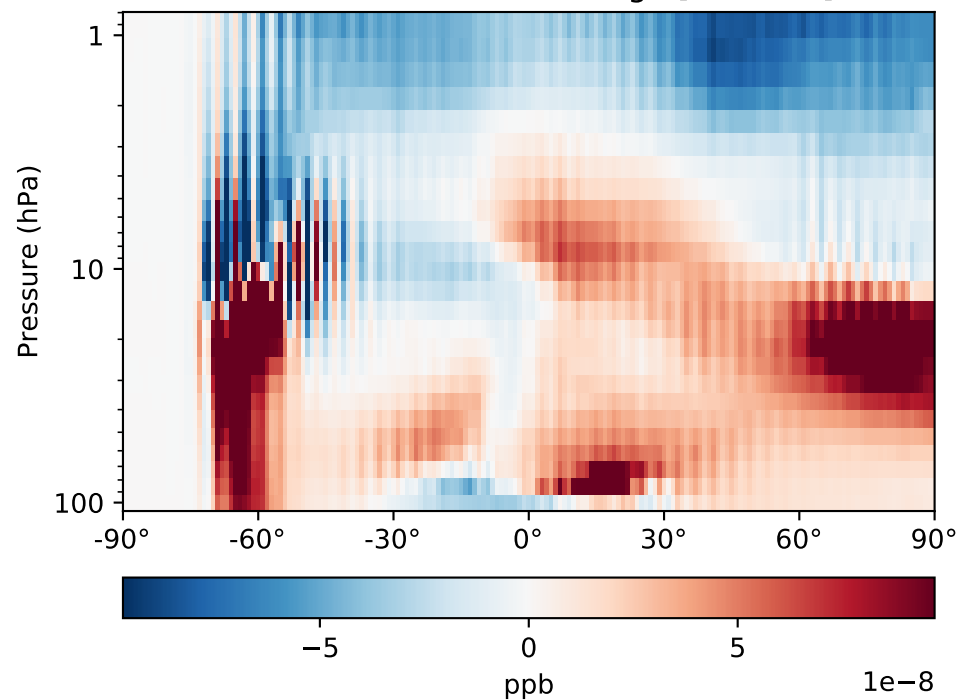
GCHP\_13.0.0-beta.1 (Dev)  
1x1.25 regrided from c48



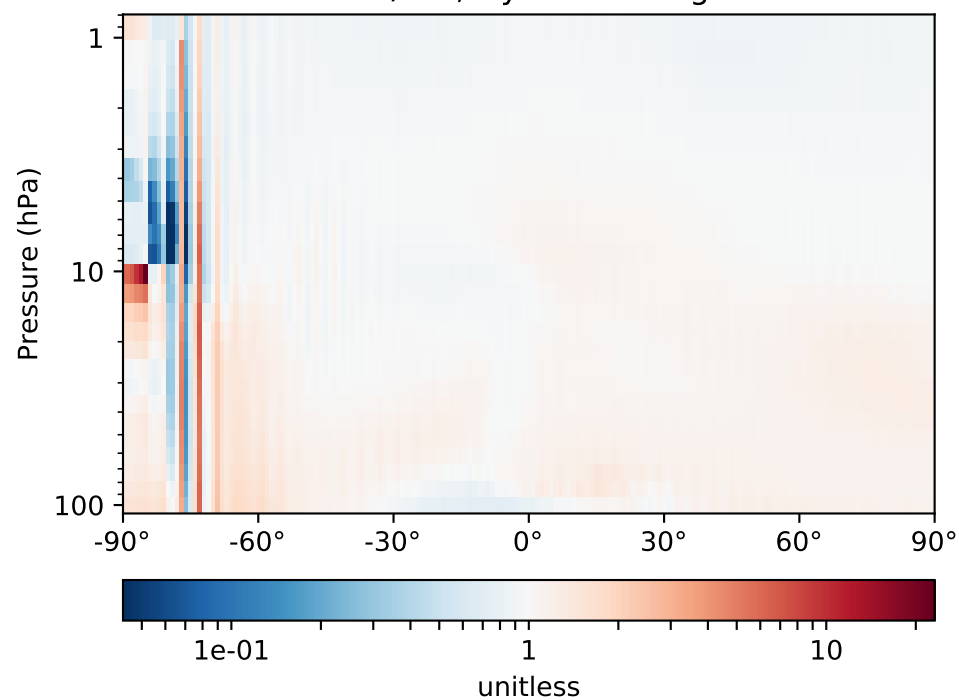
Difference (1x1.25)  
Dev - Ref, Dynamic Range



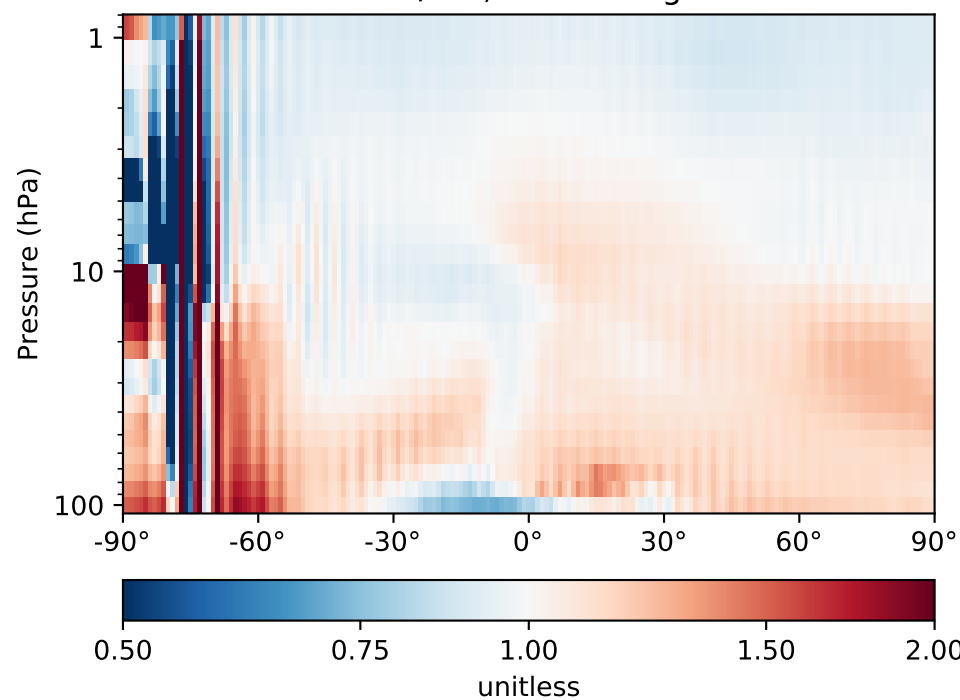
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)  
Dev/Ref, Dynamic Range

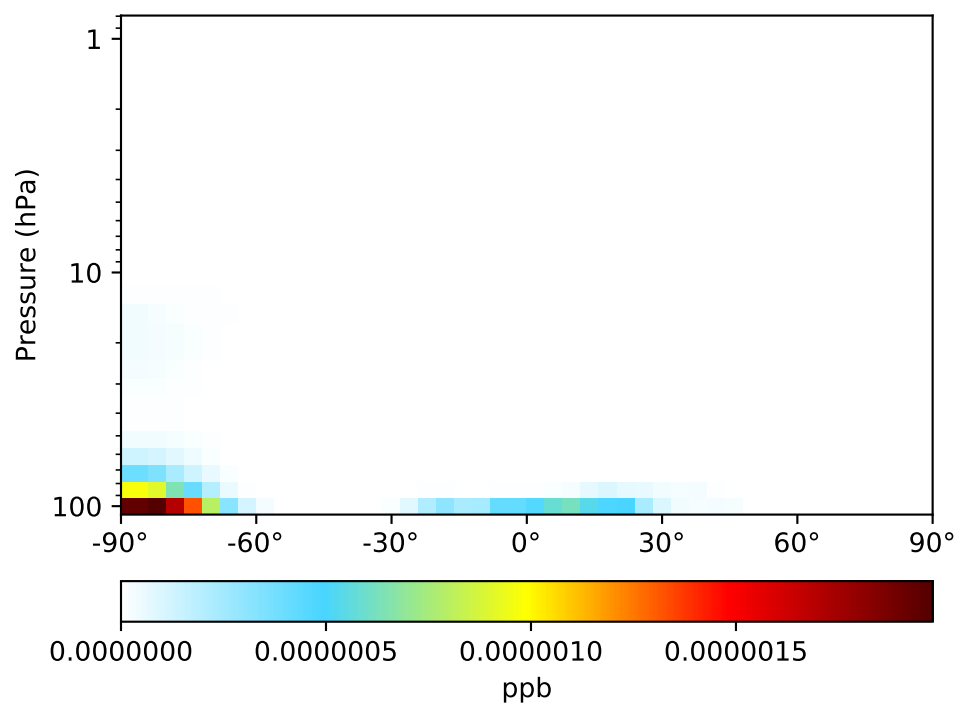


Ratio (1x1.25)  
Dev/Ref, Fixed Range

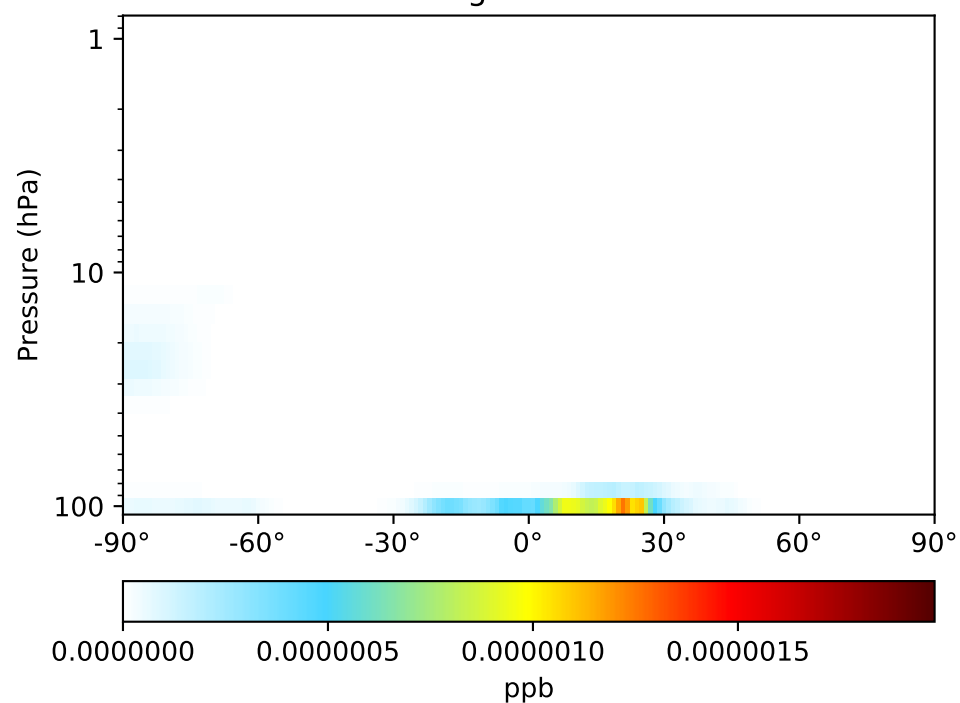


# SpeciesConc\_ClNO2, Zonal Mean (Jul2019)

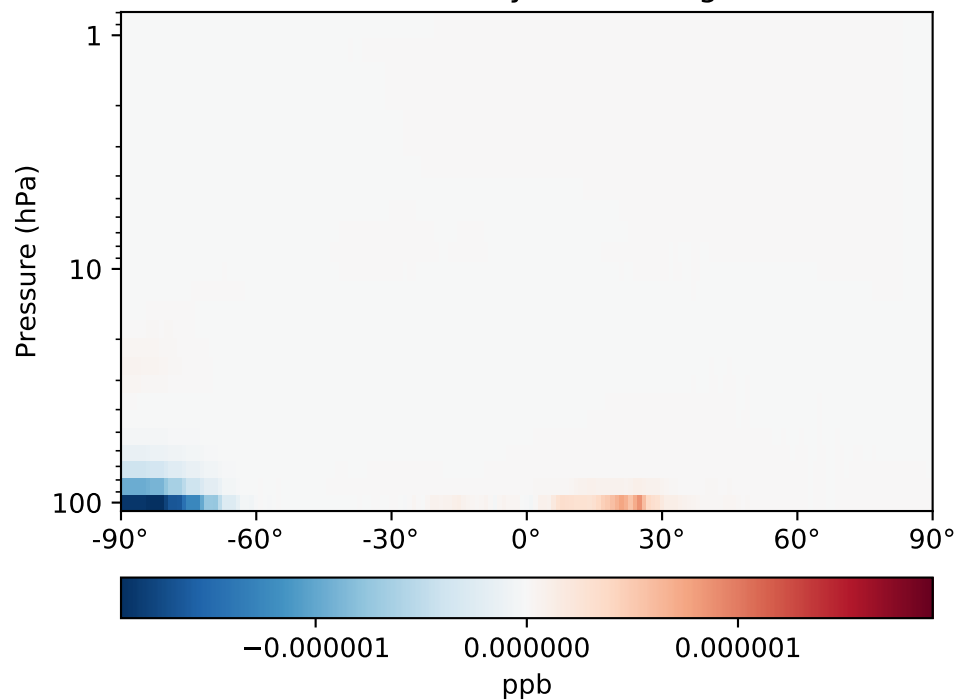
GCC\_13.0.0-beta.1 (Ref)  
4.0x5.0



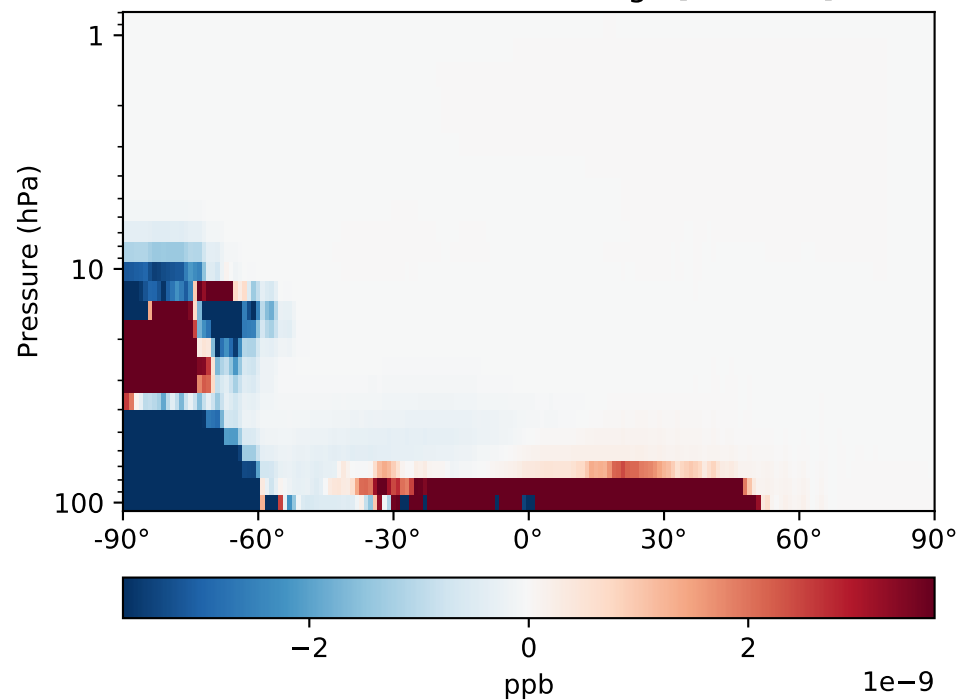
GCHP\_13.0.0-beta.1 (Dev)  
1x1.25 regrided from c48



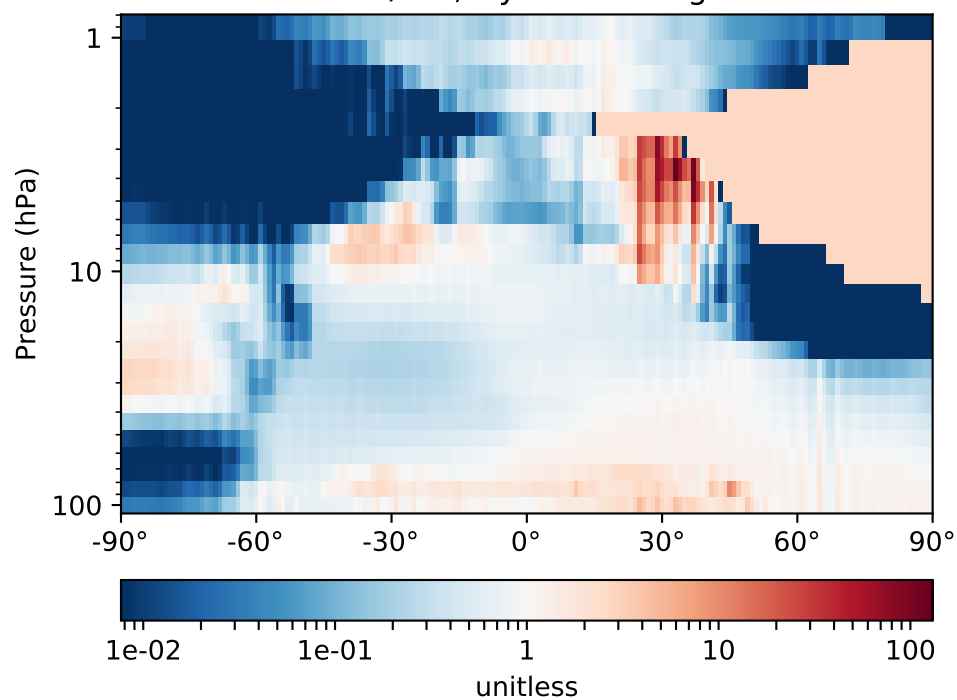
Difference (1x1.25)  
Dev - Ref, Dynamic Range



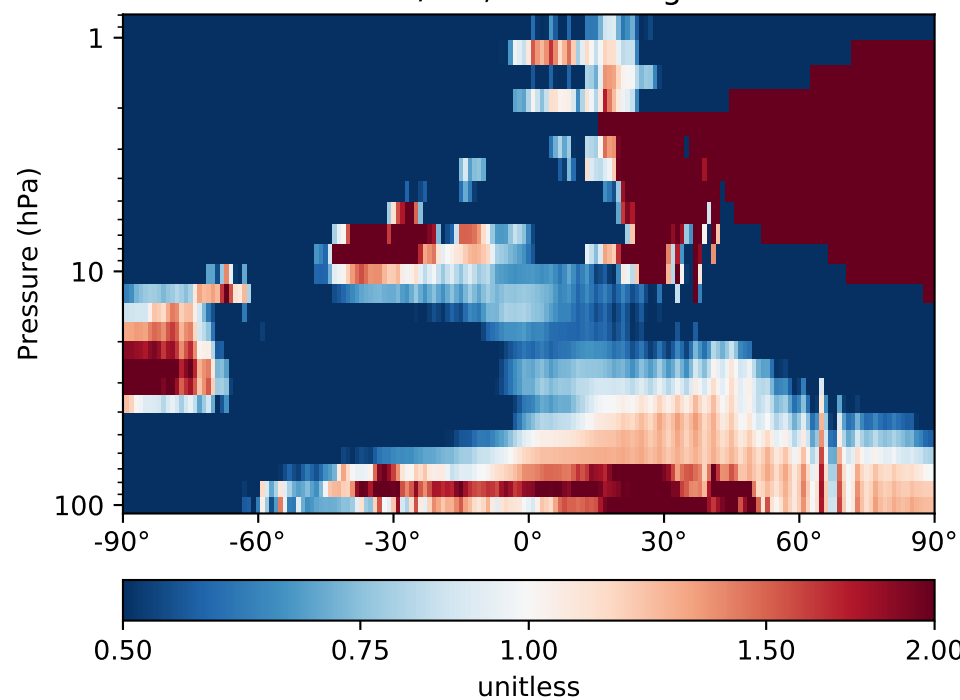
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)  
Dev/Ref, Dynamic Range

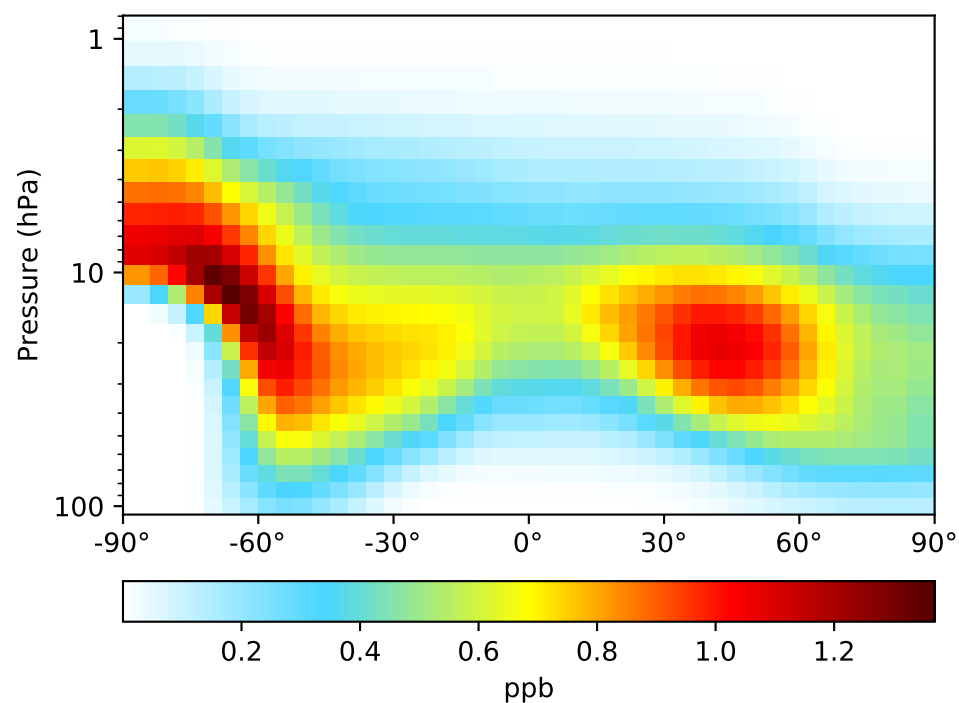


Ratio (1x1.25)  
Dev/Ref, Fixed Range

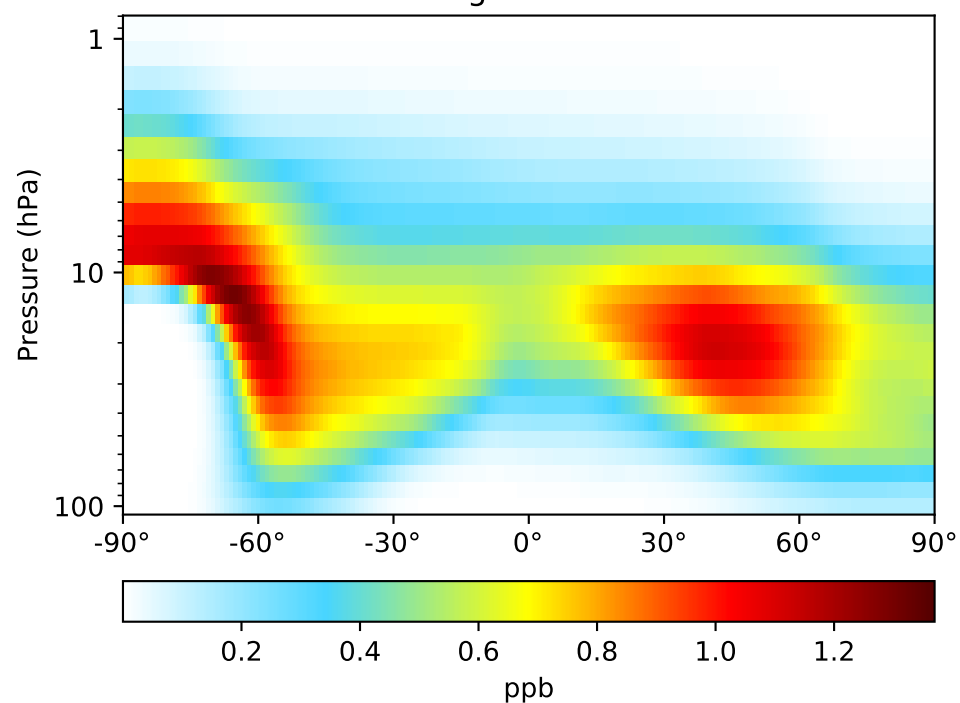


# SpeciesConc\_ClNO3, Zonal Mean (Jul2019)

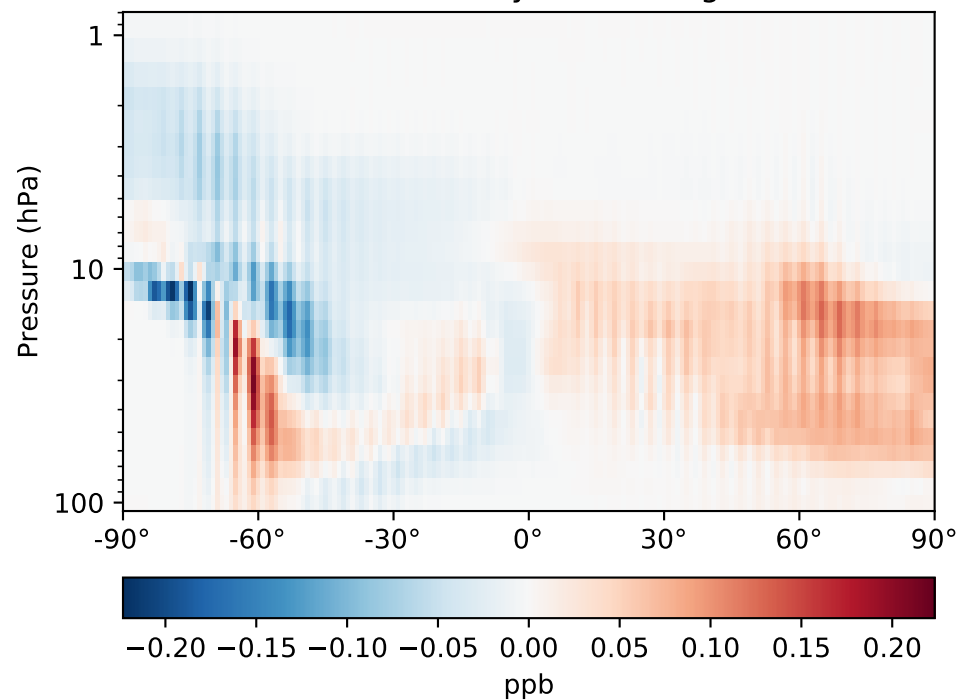
GCC\_13.0.0-beta.1 (Ref)  
4.0x5.0



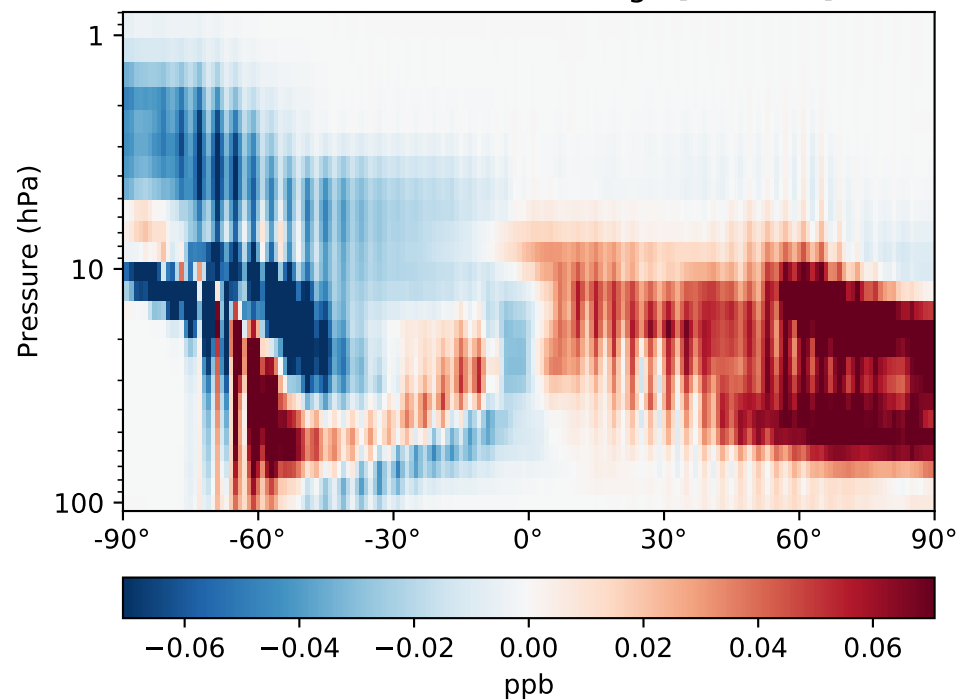
GCHP\_13.0.0-beta.1 (Dev)  
1x1.25 regrided from c48



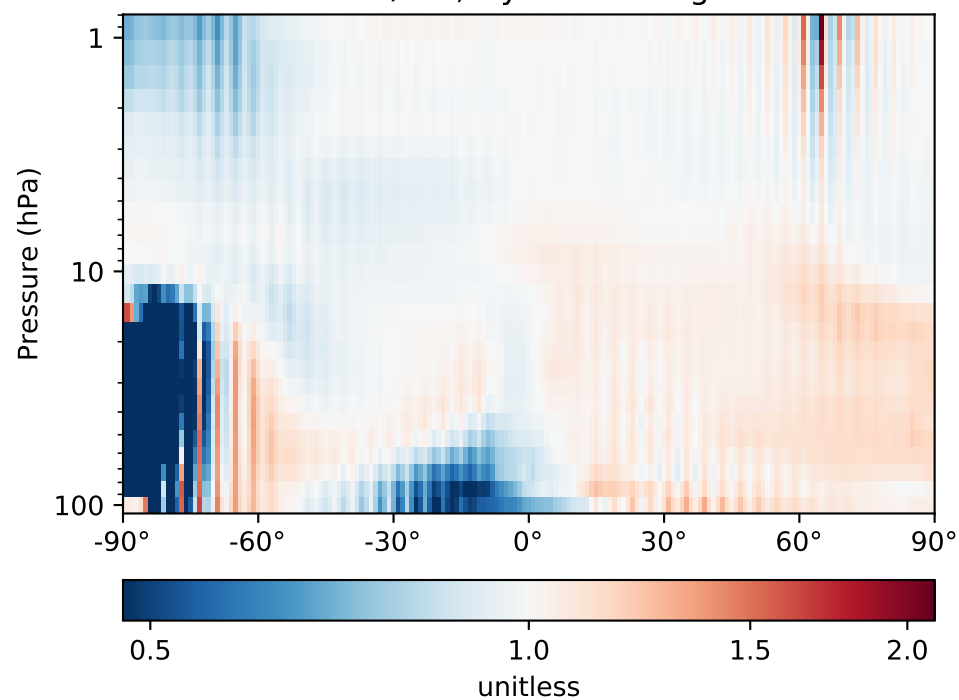
Difference (1x1.25)  
Dev - Ref, Dynamic Range



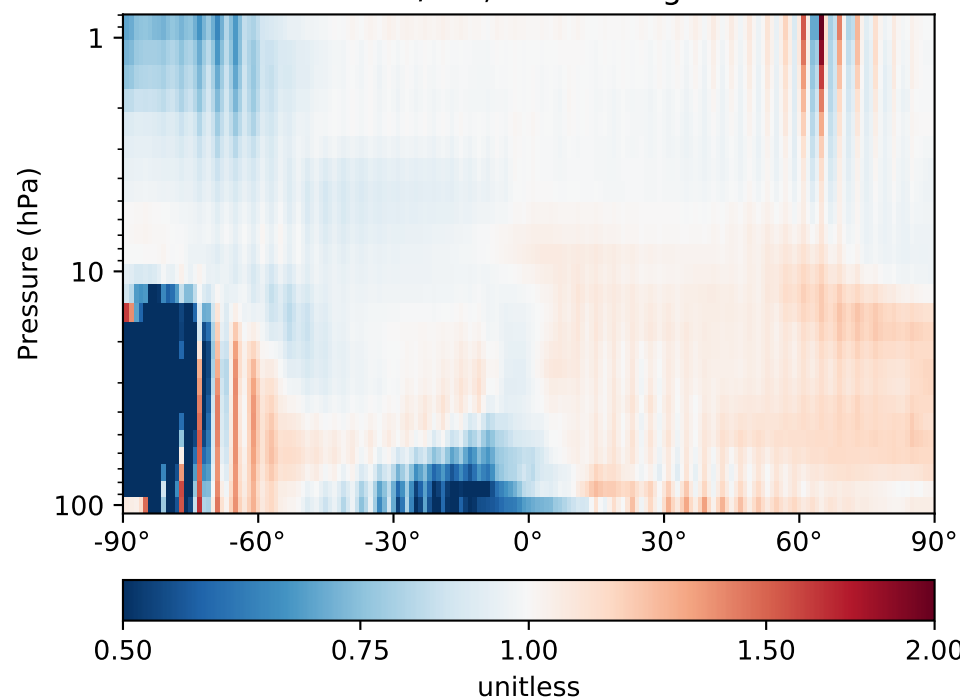
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)  
Dev/Ref, Dynamic Range

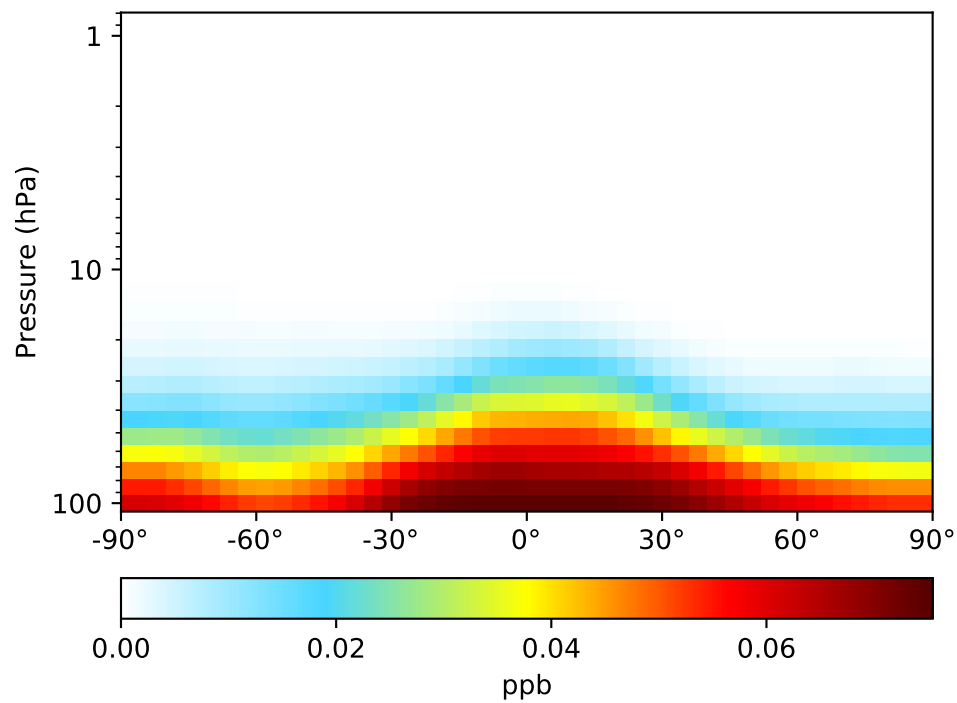


Ratio (1x1.25)  
Dev/Ref, Fixed Range

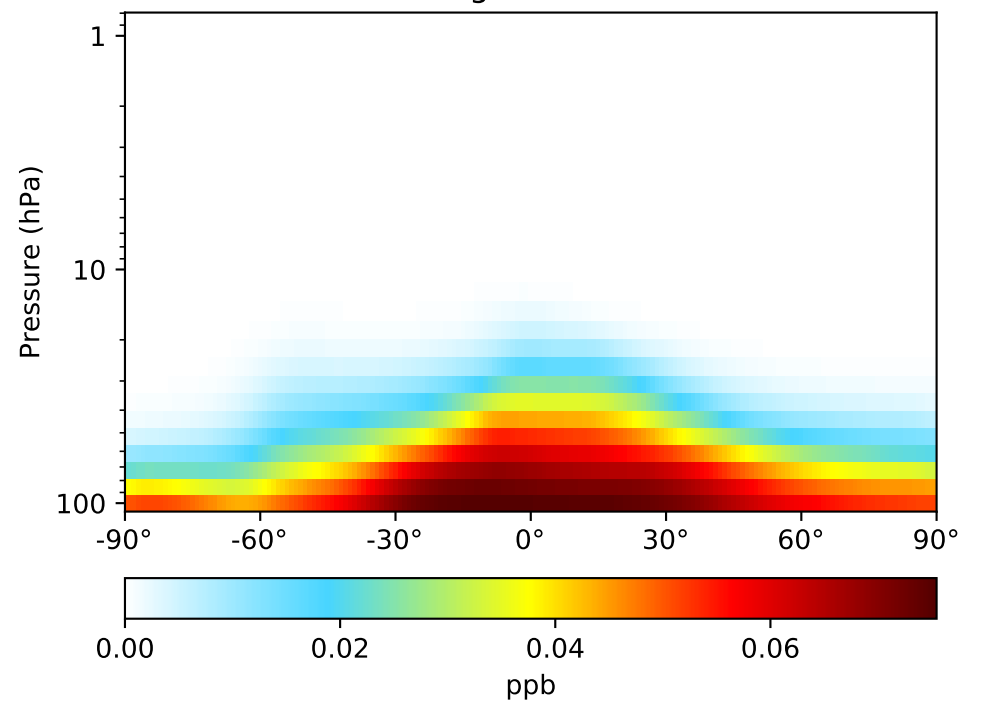


# SpeciesConc\_CCl4, Zonal Mean (Jul2019)

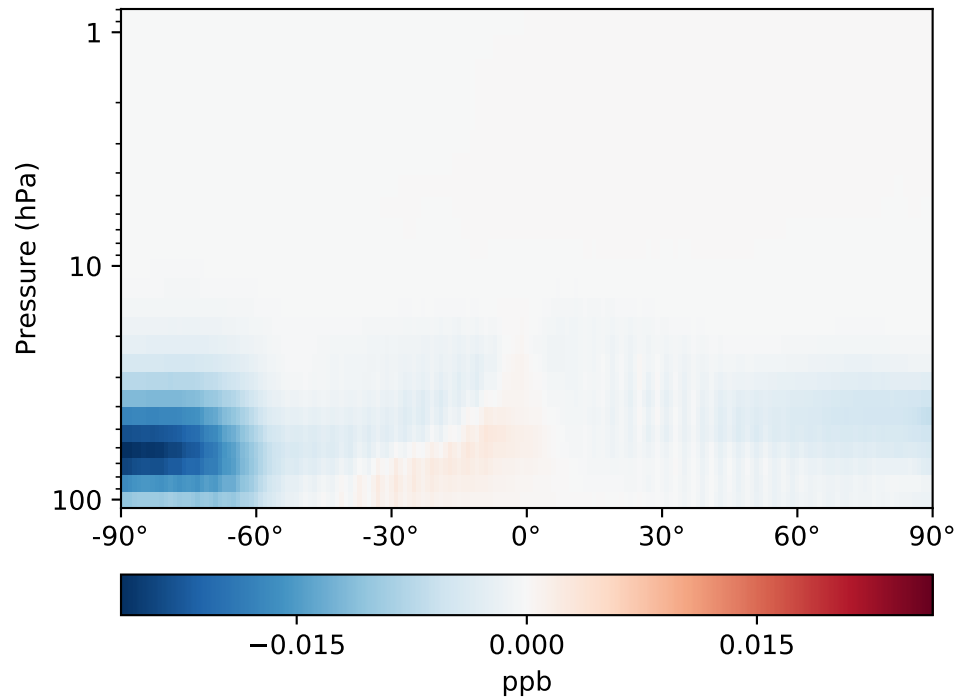
GCC\_13.0.0-beta.1 (Ref)  
4.0x5.0



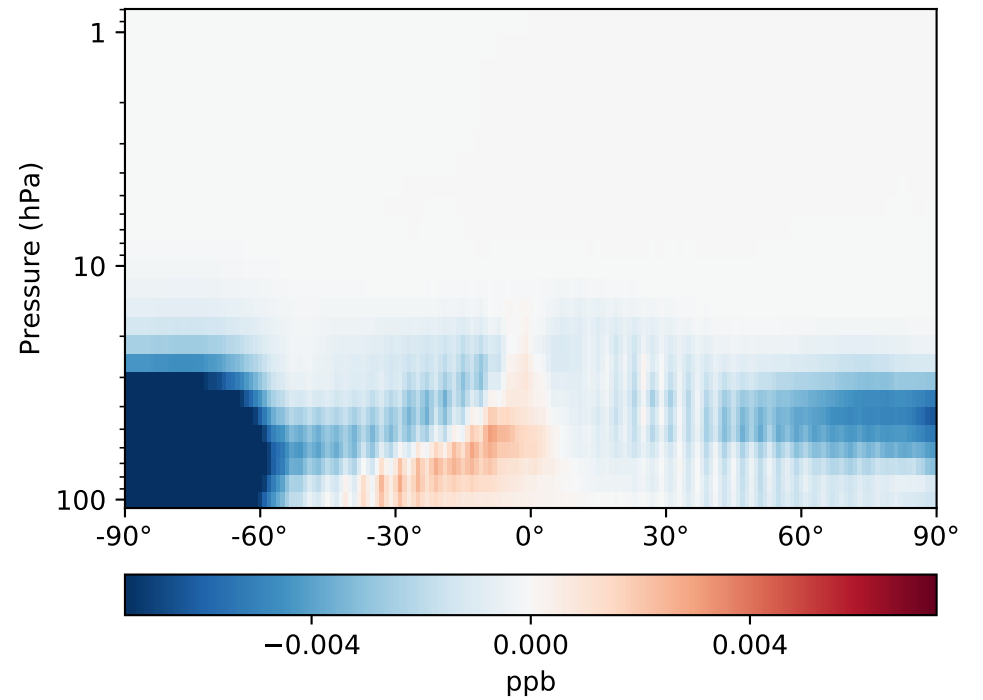
GCHP\_13.0.0-beta.1 (Dev)  
1x1.25 regrided from c48



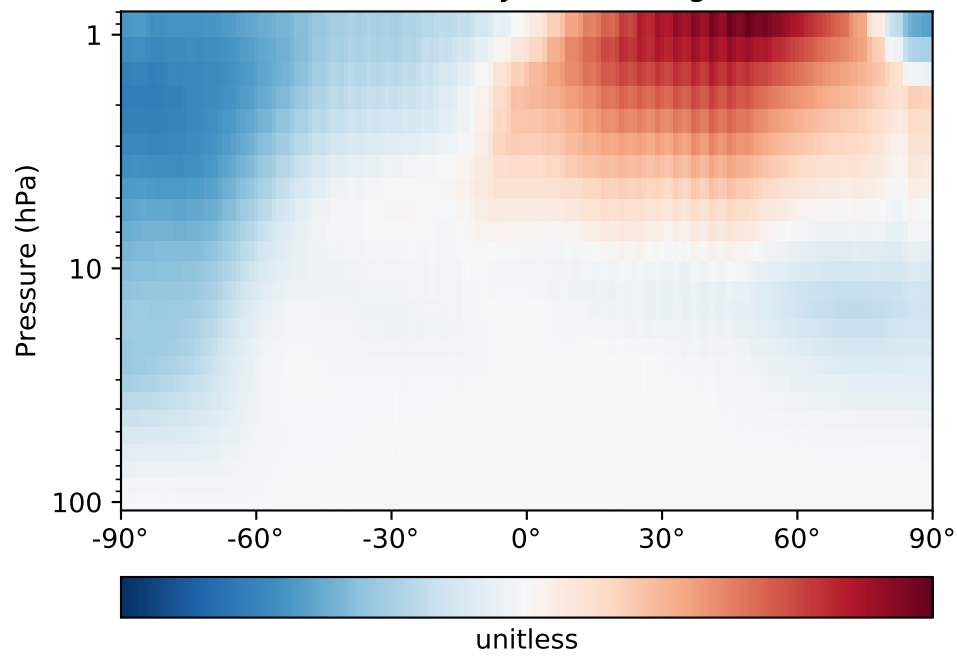
Difference (1x1.25)  
Dev - Ref, Dynamic Range



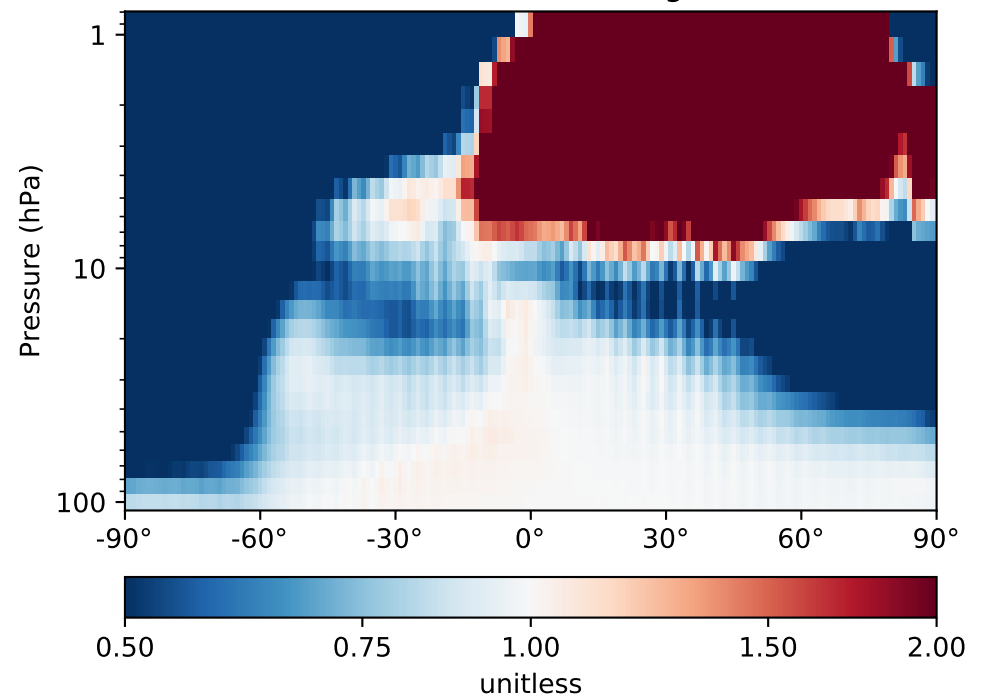
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)  
Dev/Ref, Dynamic Range



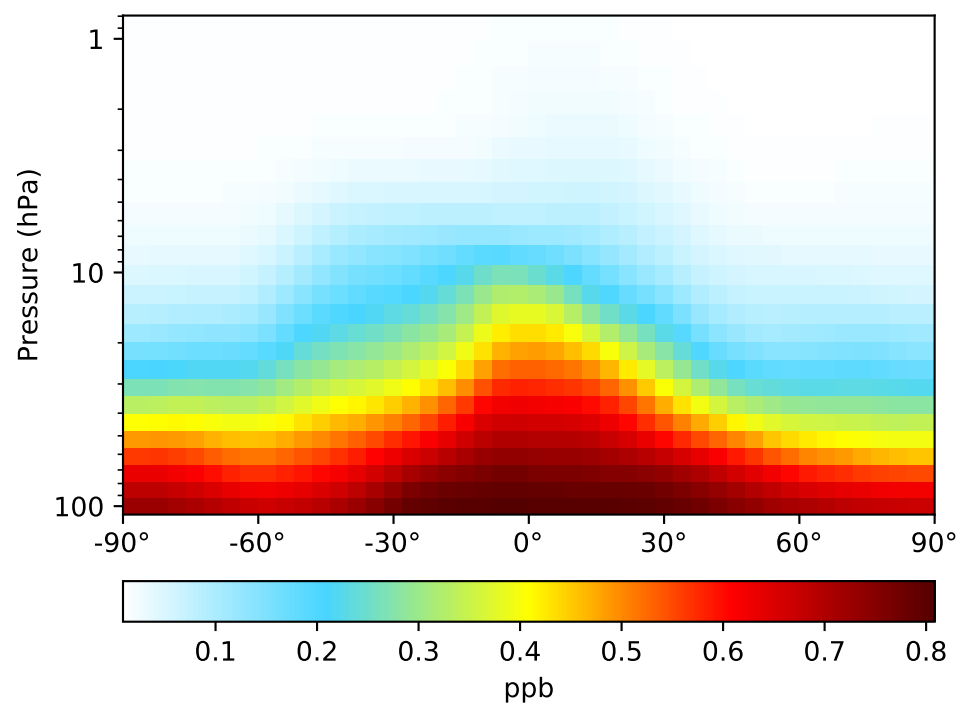
Ratio (1x1.25)  
Dev/Ref, Fixed Range



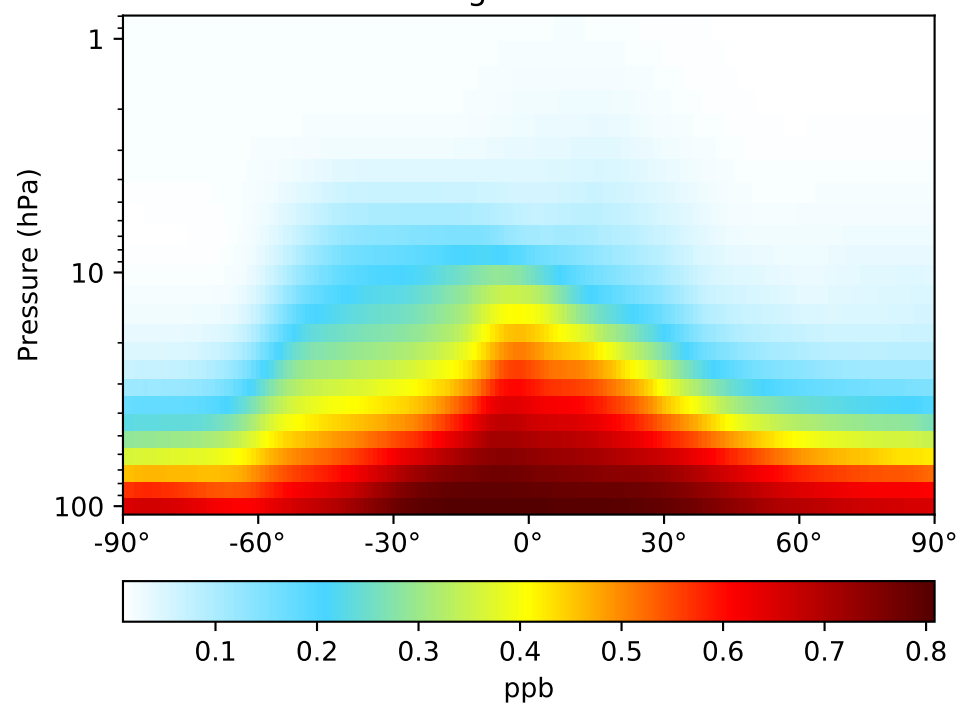


# SpeciesConc\_CFCs, Zonal Mean (Jul2019)

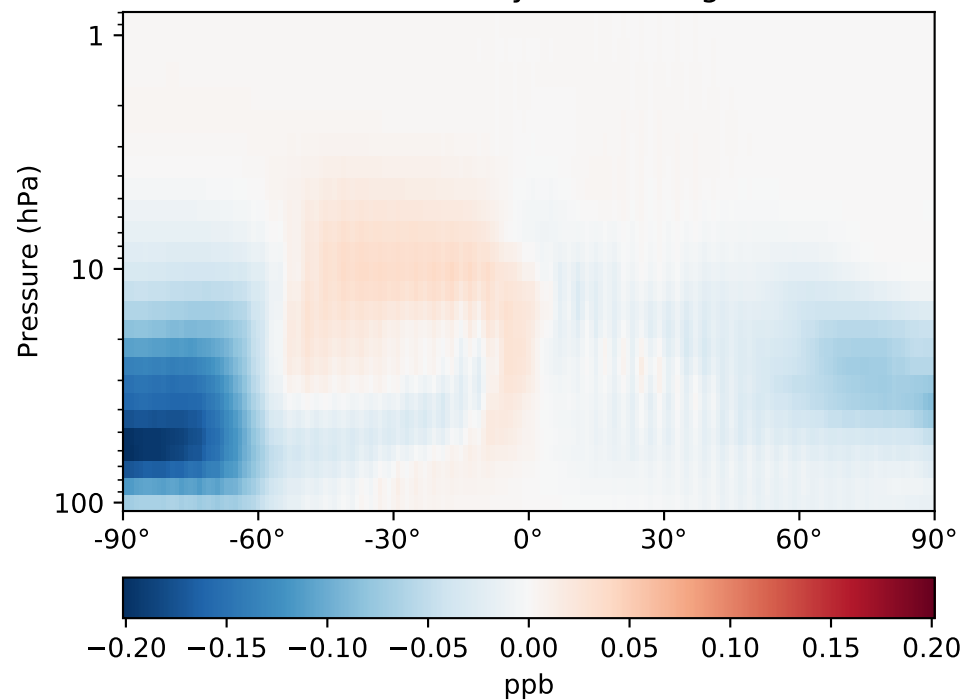
GCC\_13.0.0-beta.1 (Ref)  
4.0x5.0



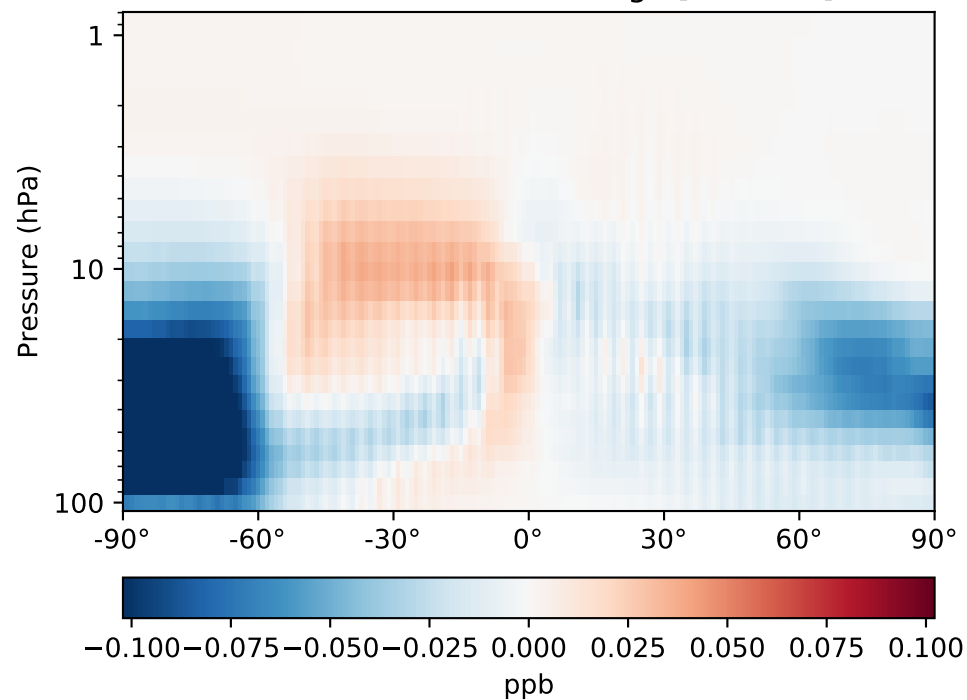
GCHP\_13.0.0-beta.1 (Dev)  
1x1.25 regrided from c48



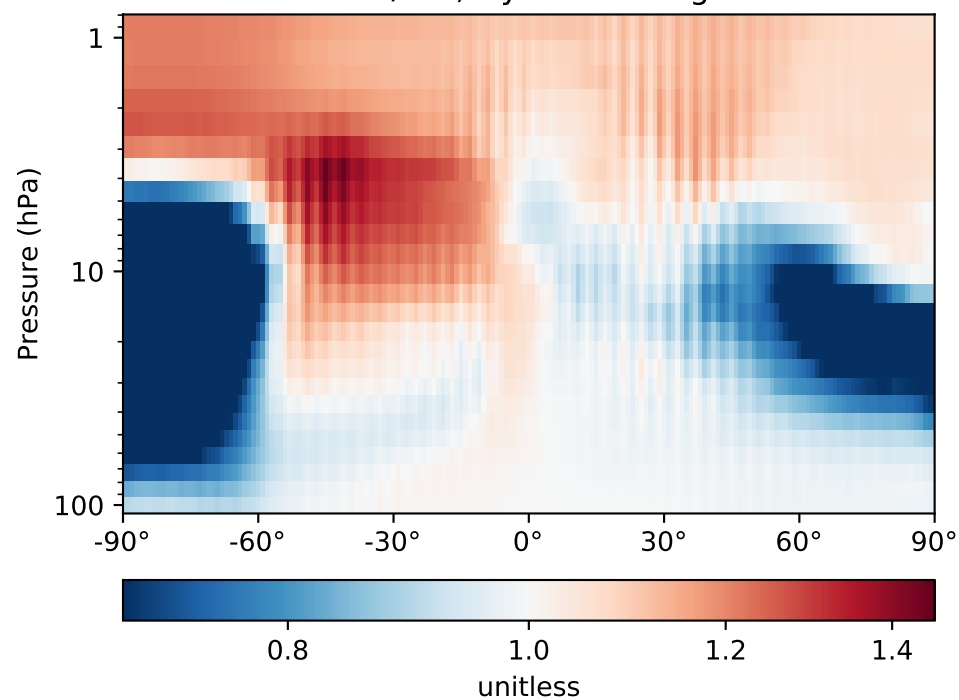
Difference (1x1.25)  
Dev - Ref, Dynamic Range



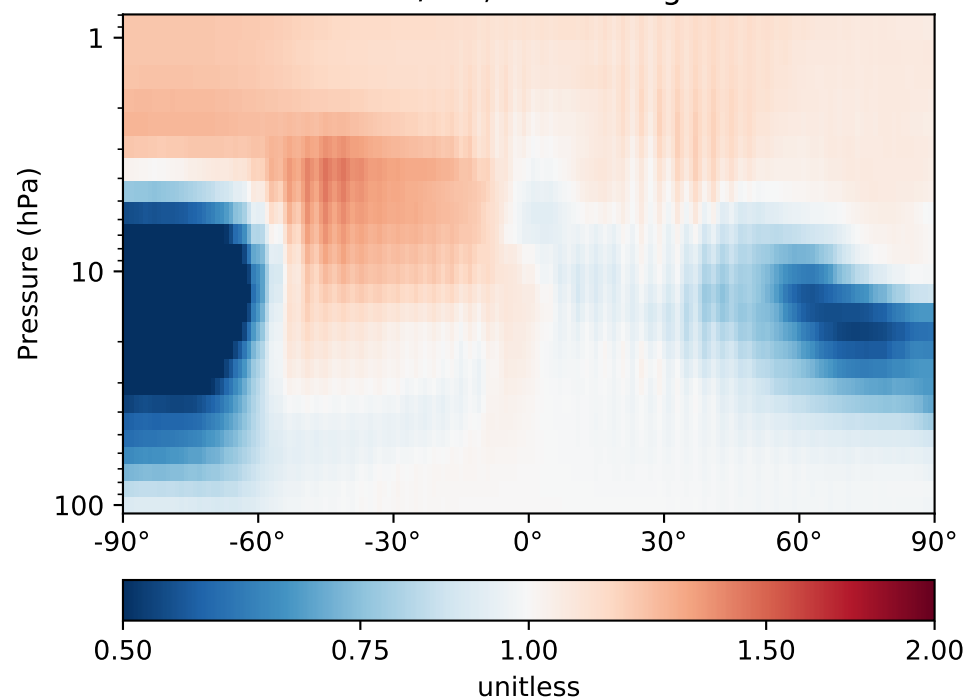
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)  
Dev/Ref, Dynamic Range

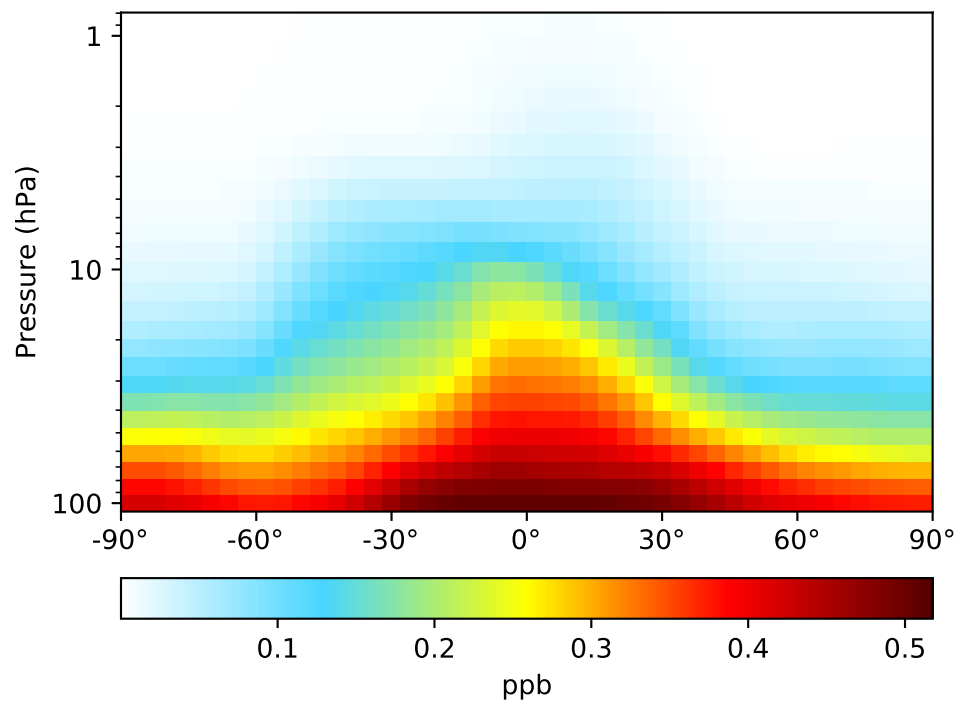


Ratio (1x1.25)  
Dev/Ref, Fixed Range

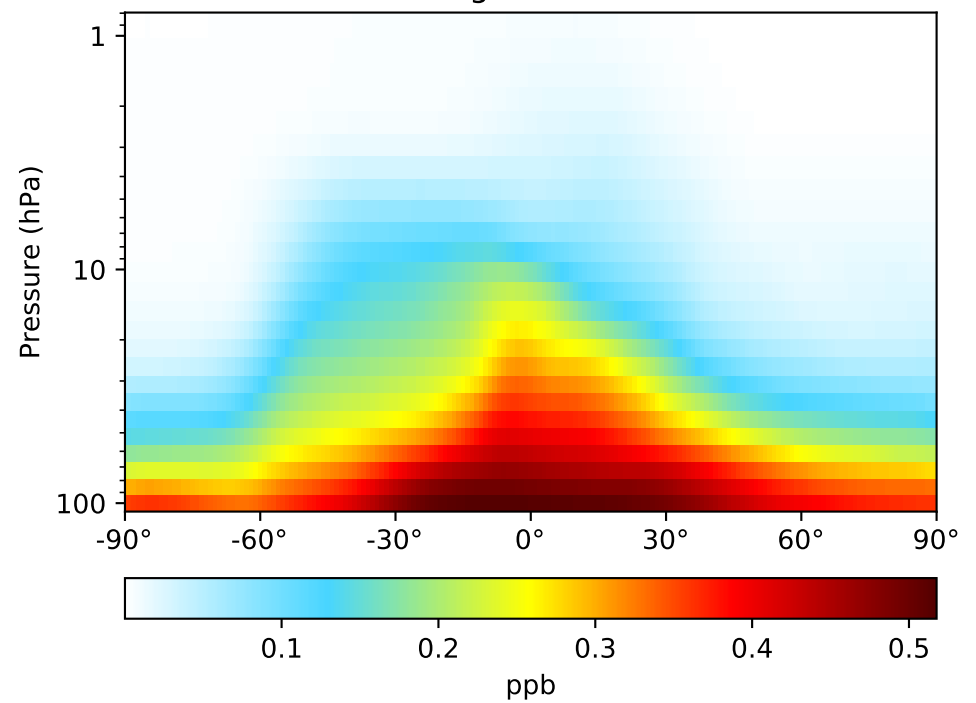


# SpeciesConc\_CH3Cl, Zonal Mean (Jul2019)

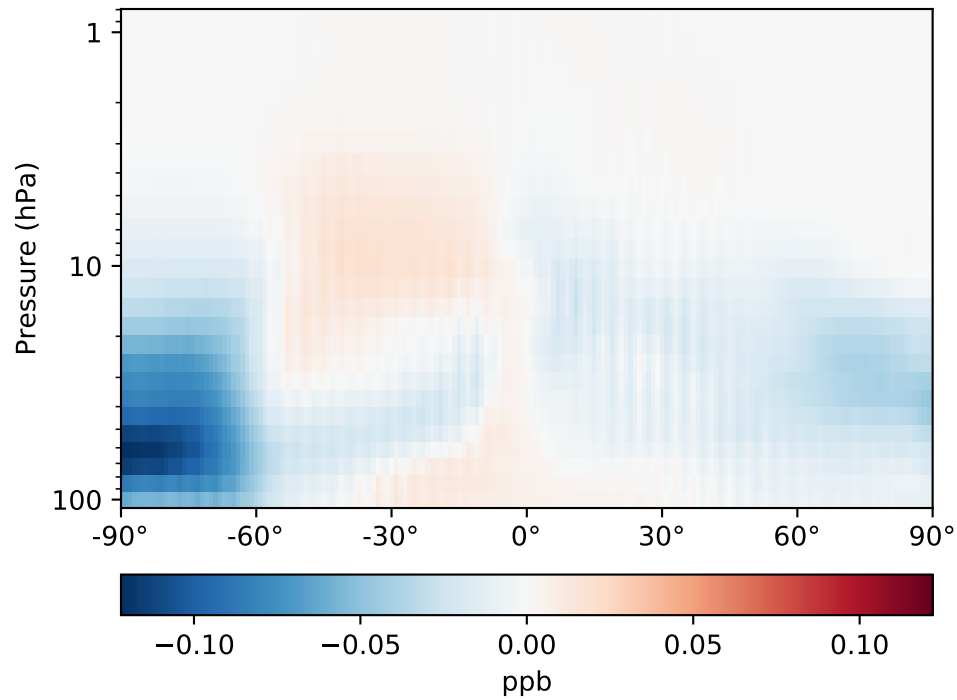
GCC\_13.0.0-beta.1 (Ref)  
4.0x5.0



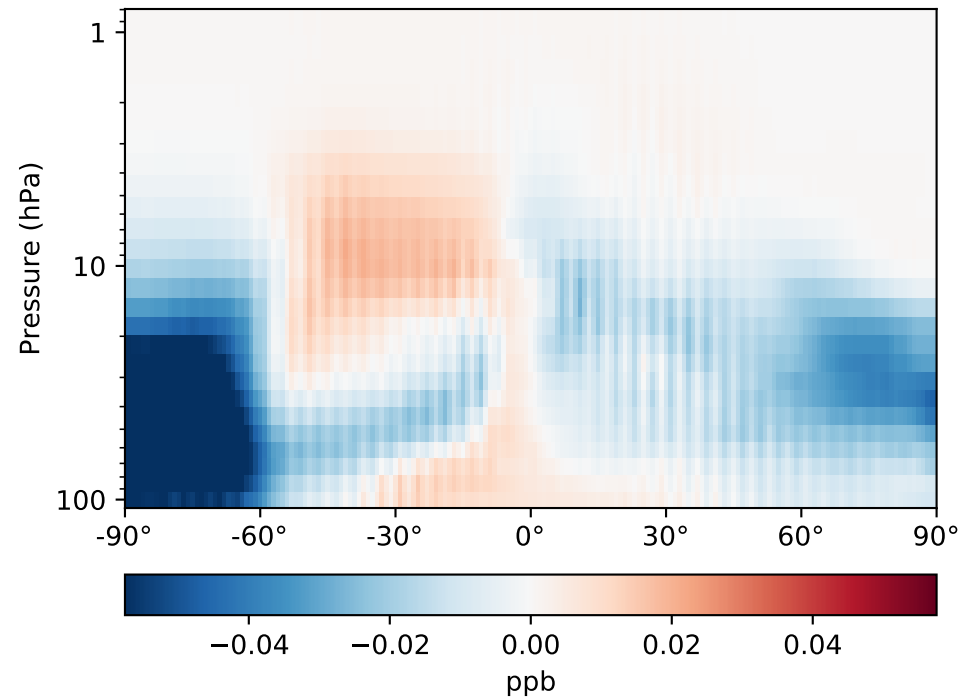
GCHP\_13.0.0-beta.1 (Dev)  
1x1.25 regrided from c48



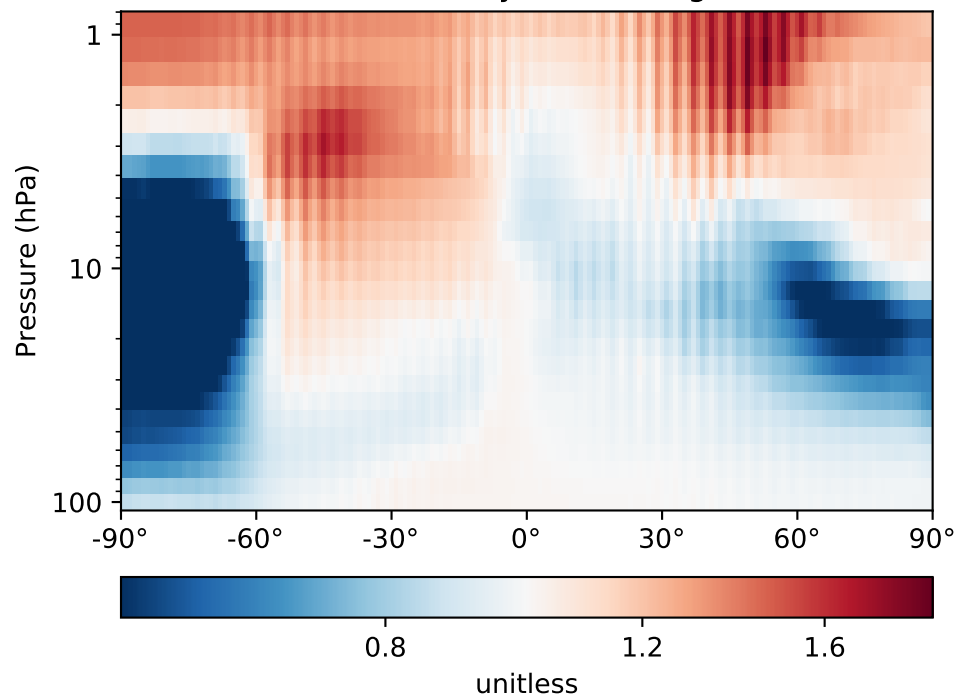
Difference (1x1.25)  
Dev - Ref, Dynamic Range



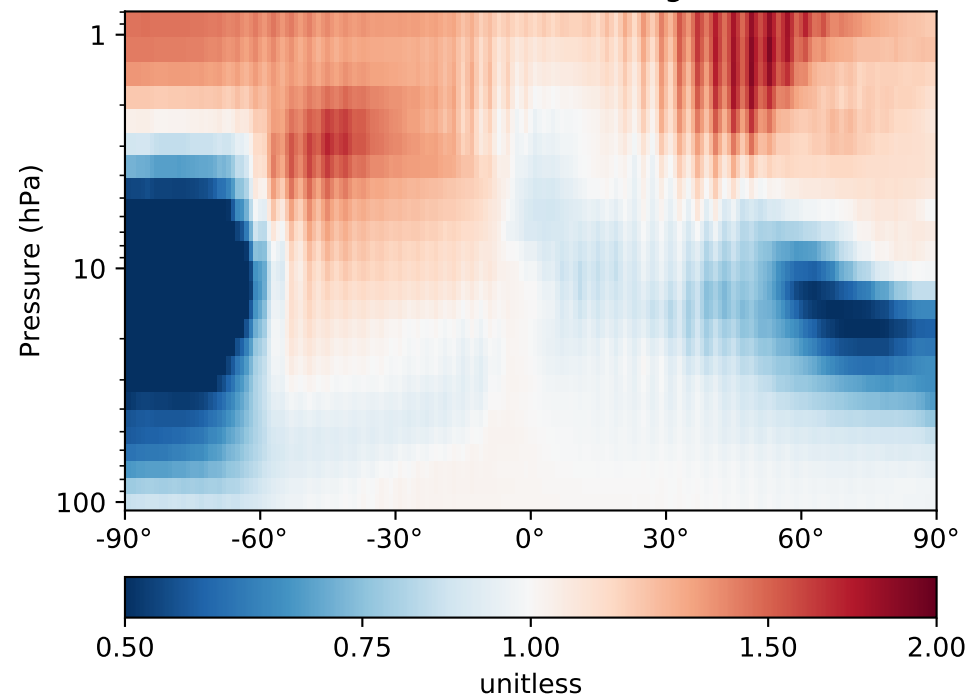
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)  
Dev/Ref, Dynamic Range



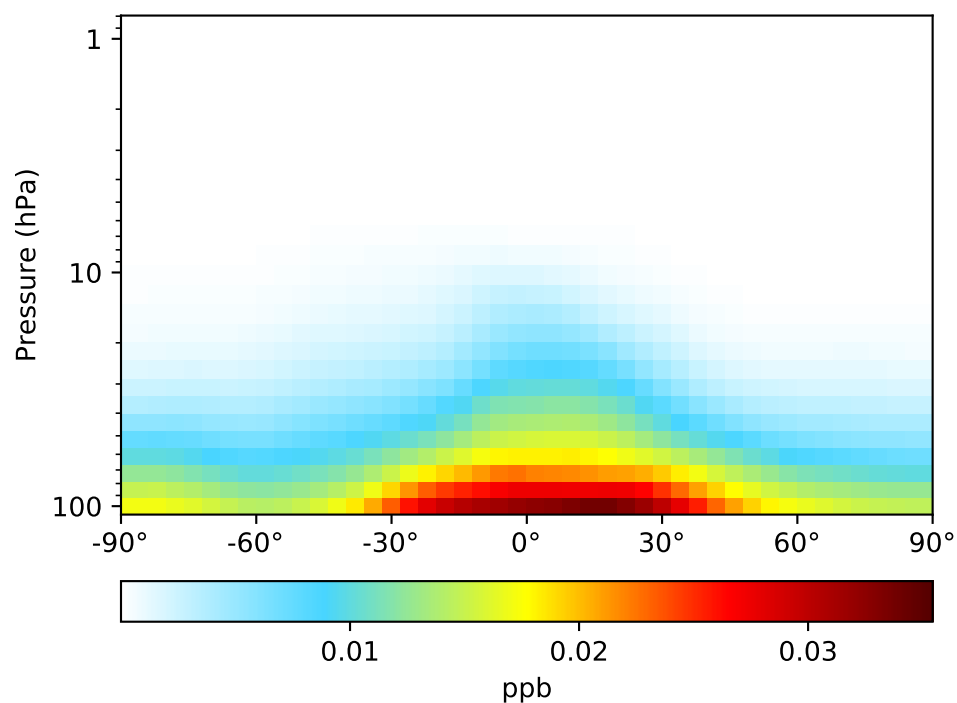
Ratio (1x1.25)  
Dev/Ref, Fixed Range



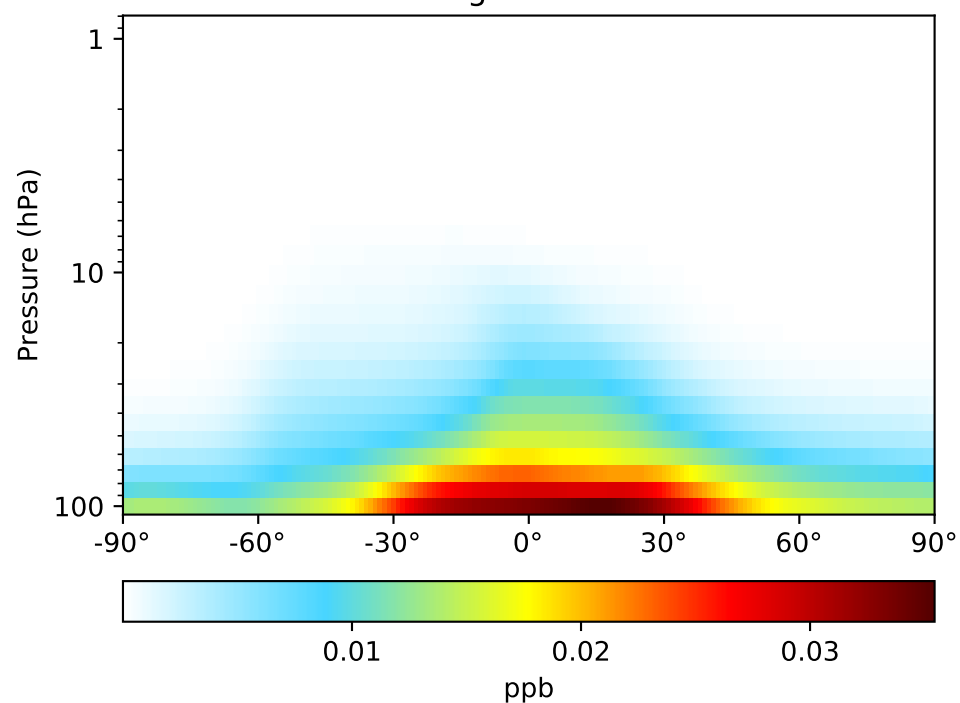


# SpeciesConc\_CH2Cl2, Zonal Mean (Jul2019)

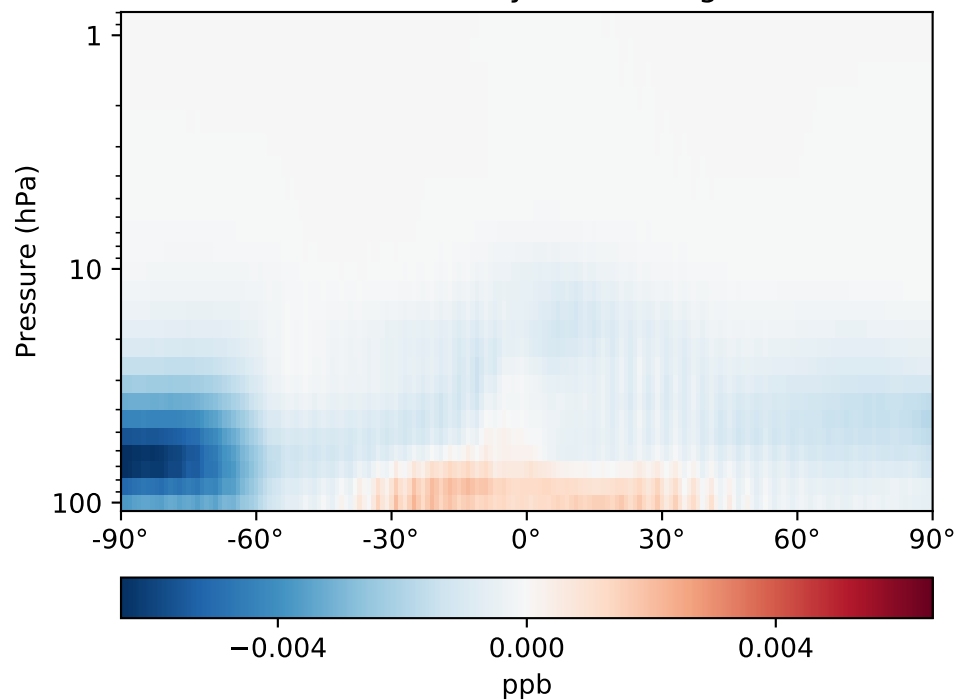
GCC\_13.0.0-beta.1 (Ref)  
4.0x5.0



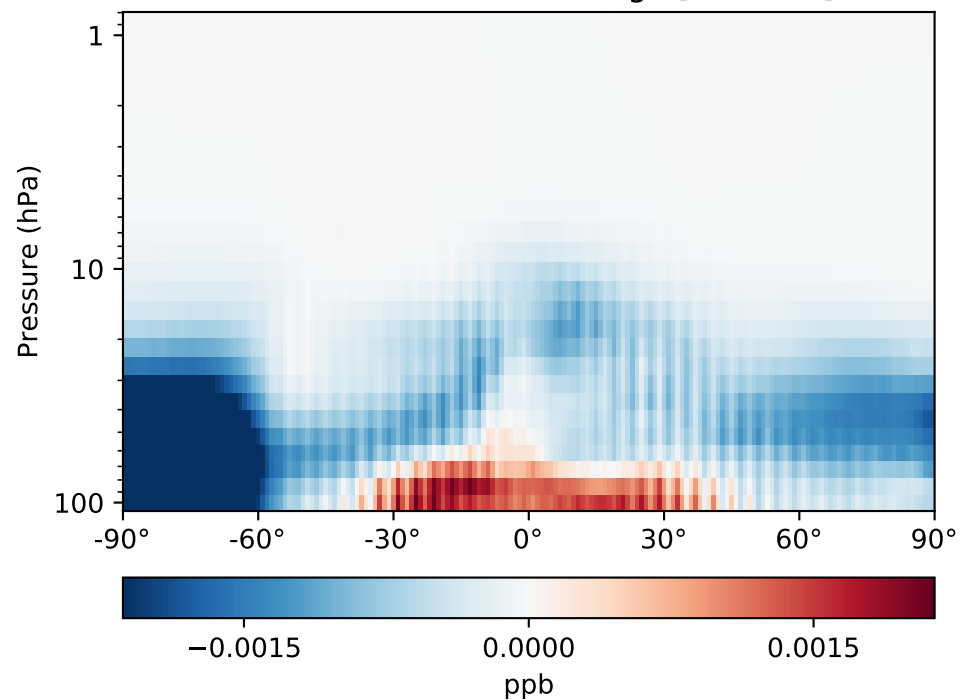
GCHP\_13.0.0-beta.1 (Dev)  
1x1.25 regrided from c48



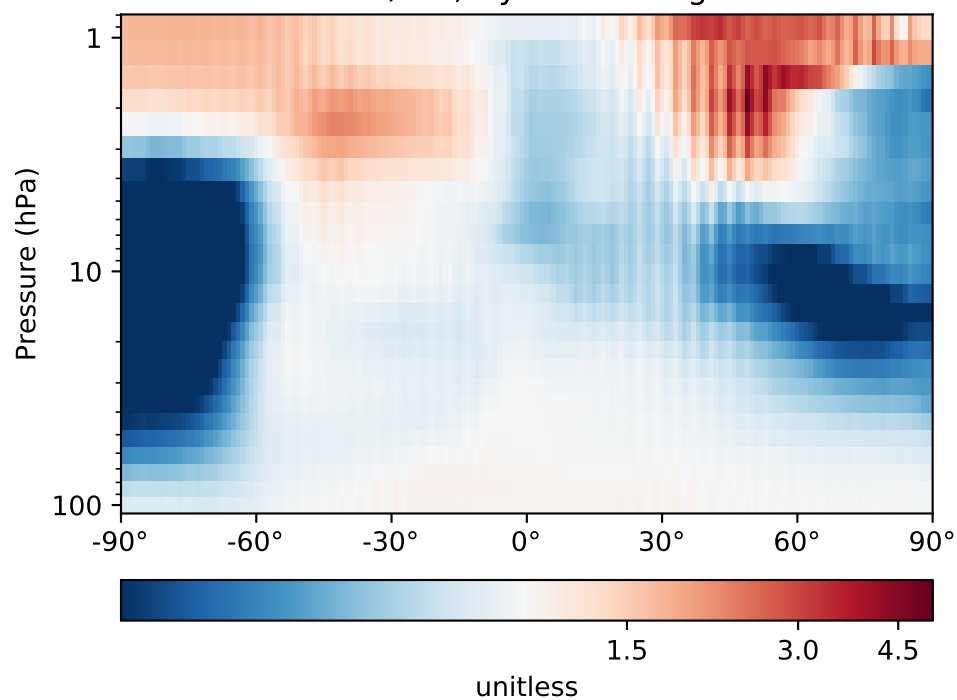
Difference (1x1.25)  
Dev - Ref, Dynamic Range



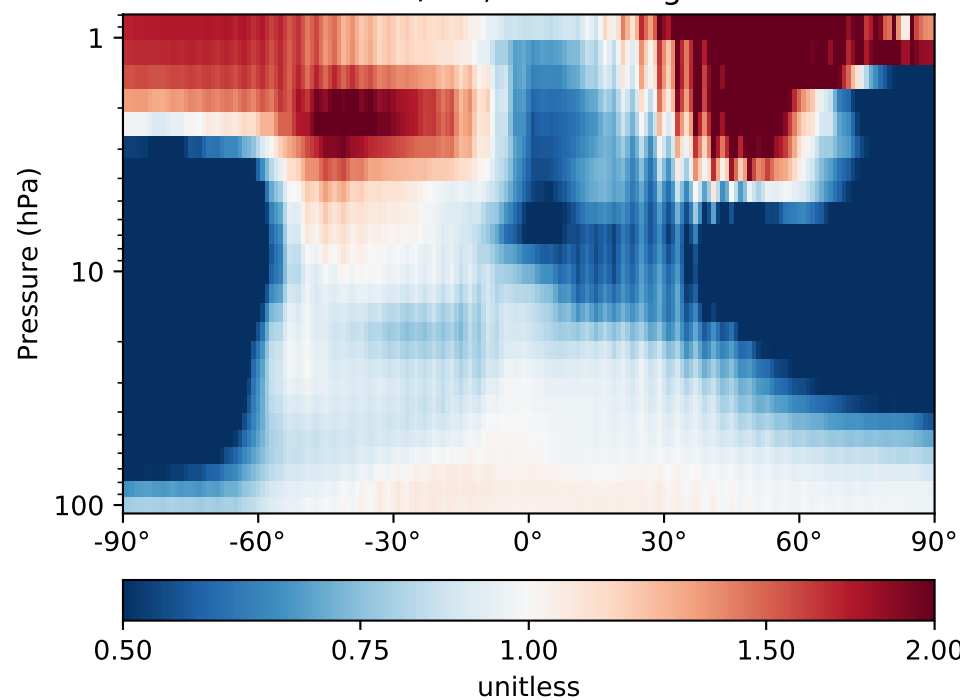
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)  
Dev/Ref, Dynamic Range

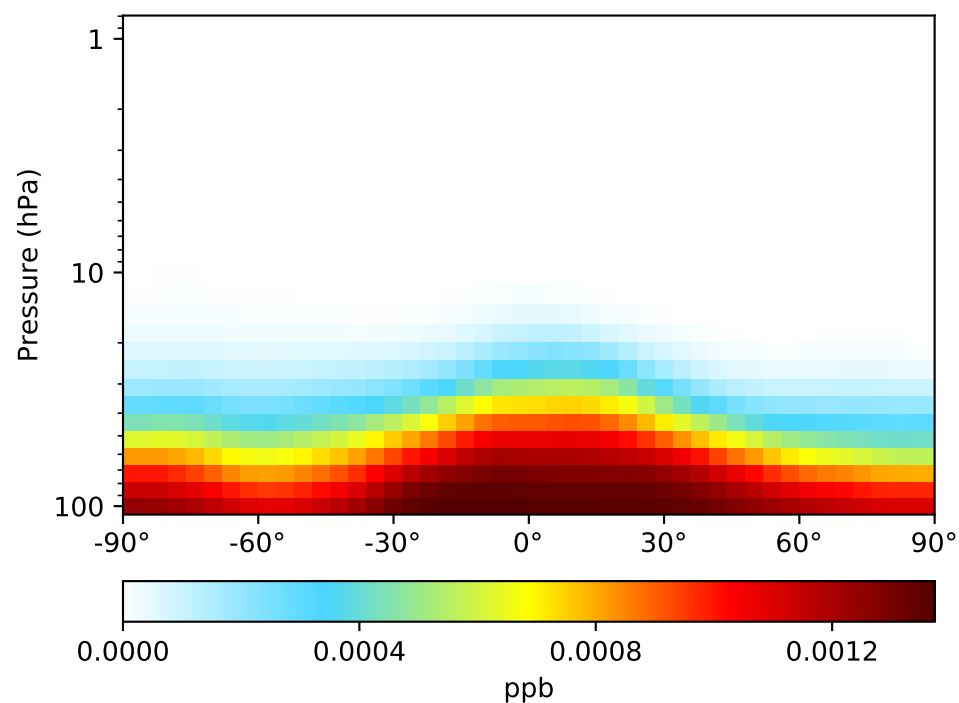


Ratio (1x1.25)  
Dev/Ref, Fixed Range

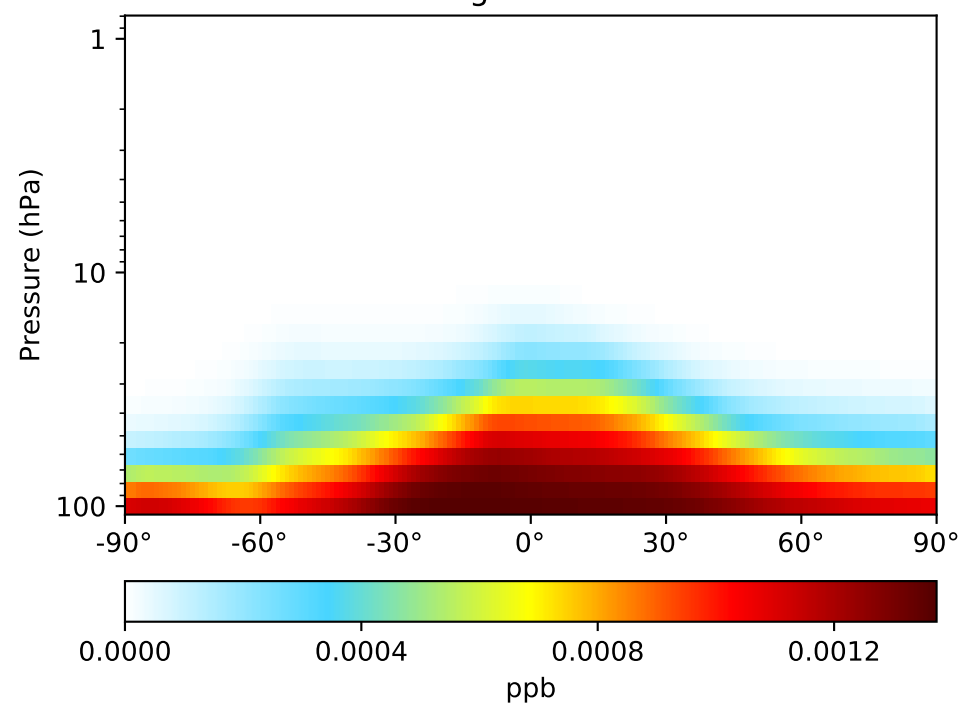


# SpeciesConc\_CH3CCl3, Zonal Mean (Jul2019)

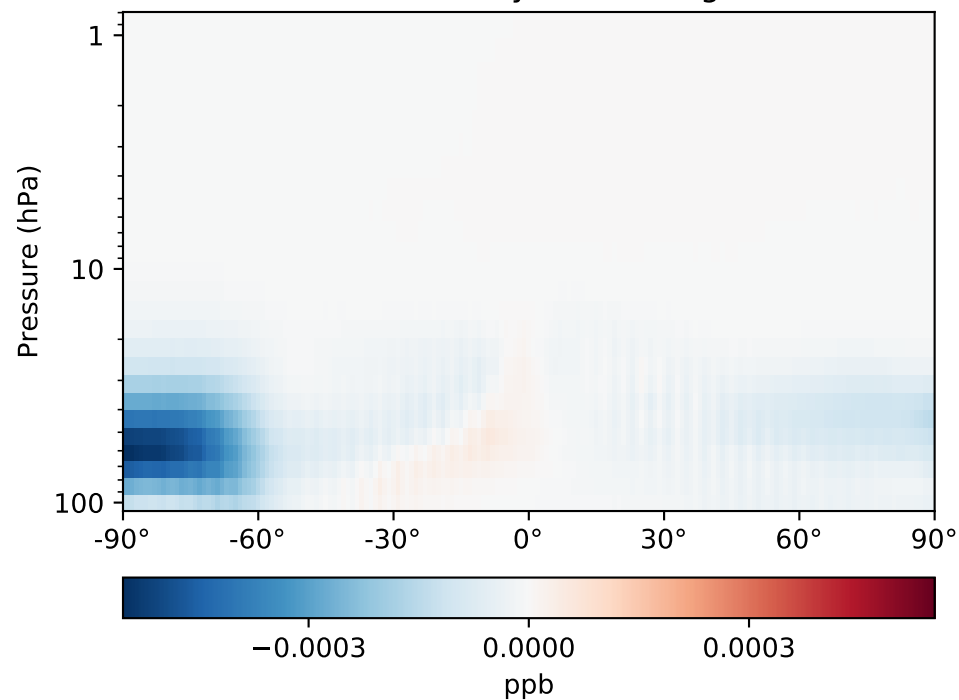
GCC\_13.0.0-beta.1 (Ref)  
4.0x5.0



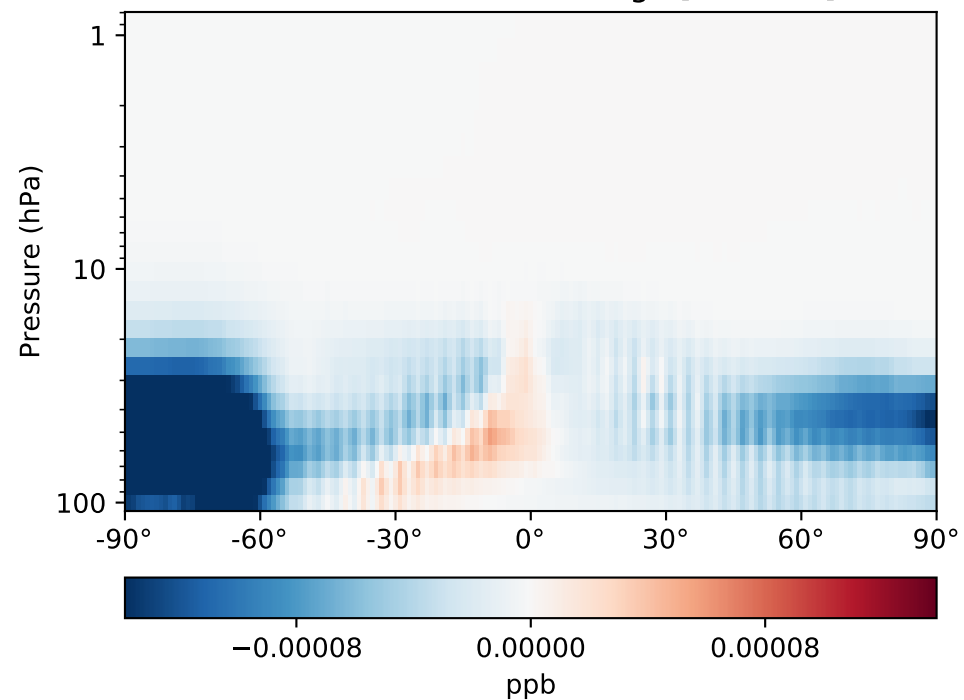
GCHP\_13.0.0-beta.1 (Dev)  
1x1.25 regrided from c48



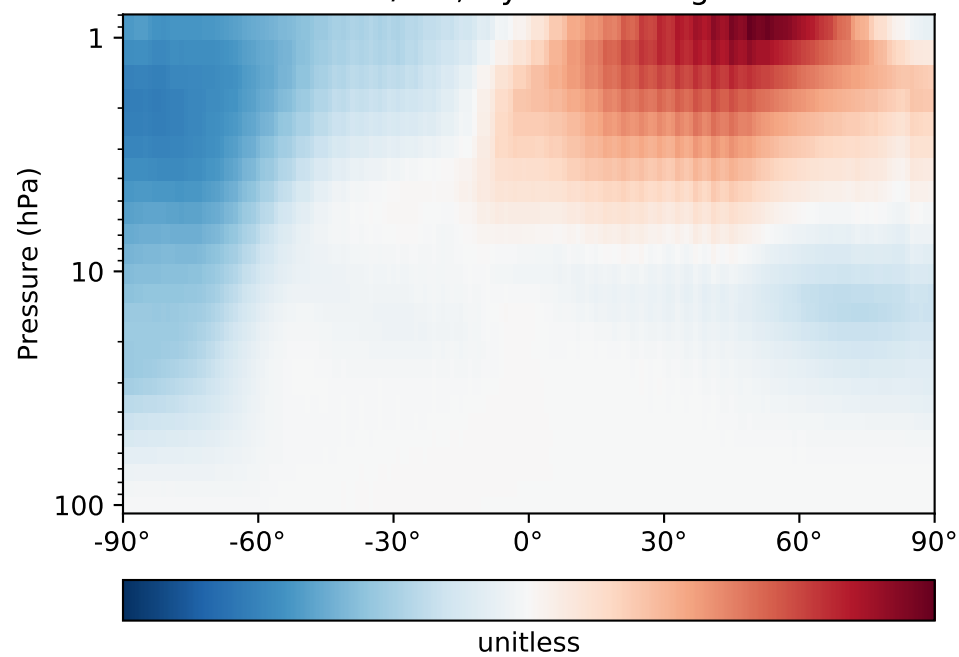
Difference (1x1.25)  
Dev - Ref, Dynamic Range



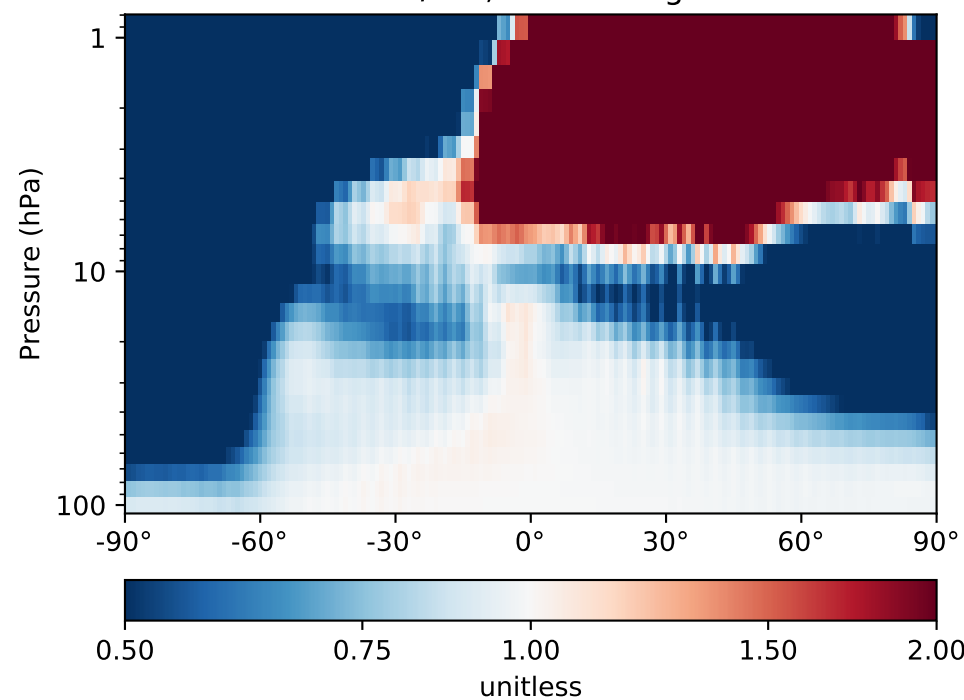
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)  
Dev/Ref, Dynamic Range

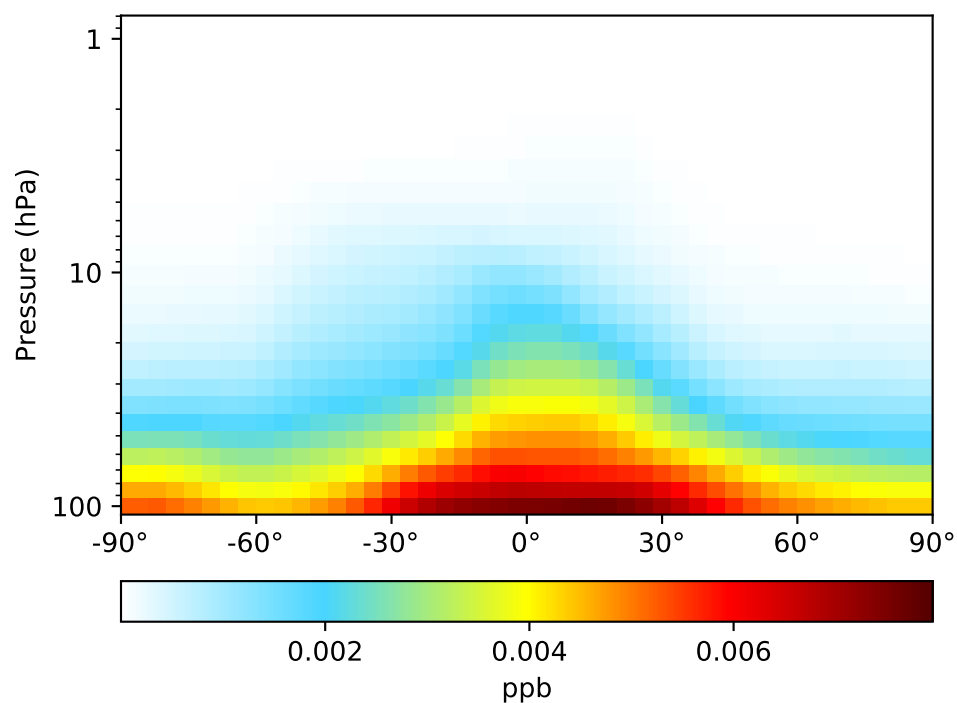


Ratio (1x1.25)  
Dev/Ref, Fixed Range

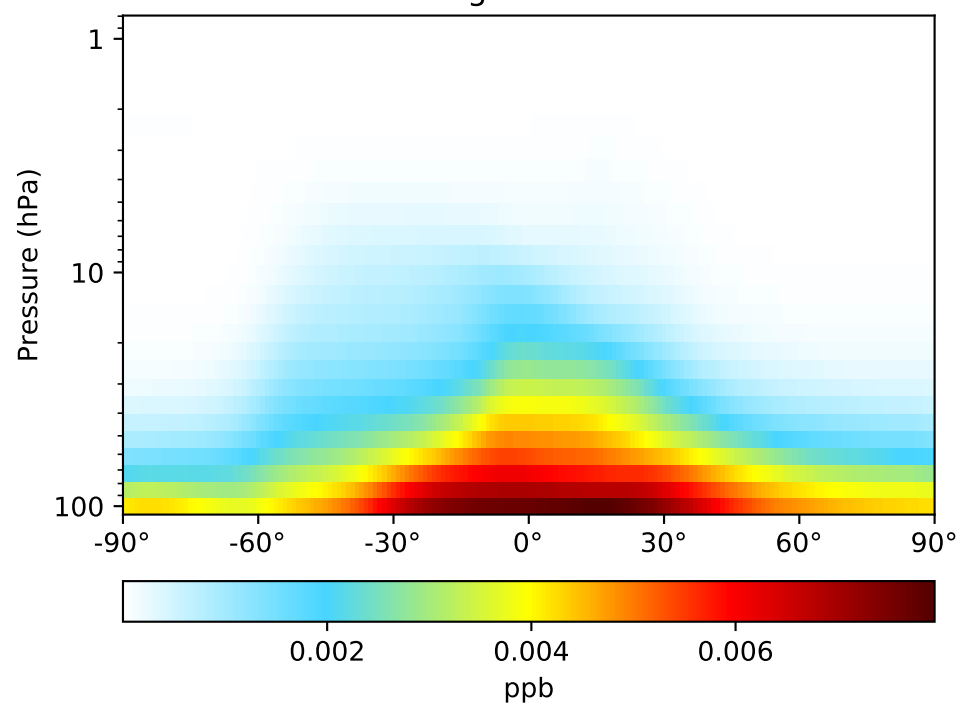


# SpeciesConc\_CHCl3, Zonal Mean (Jul2019)

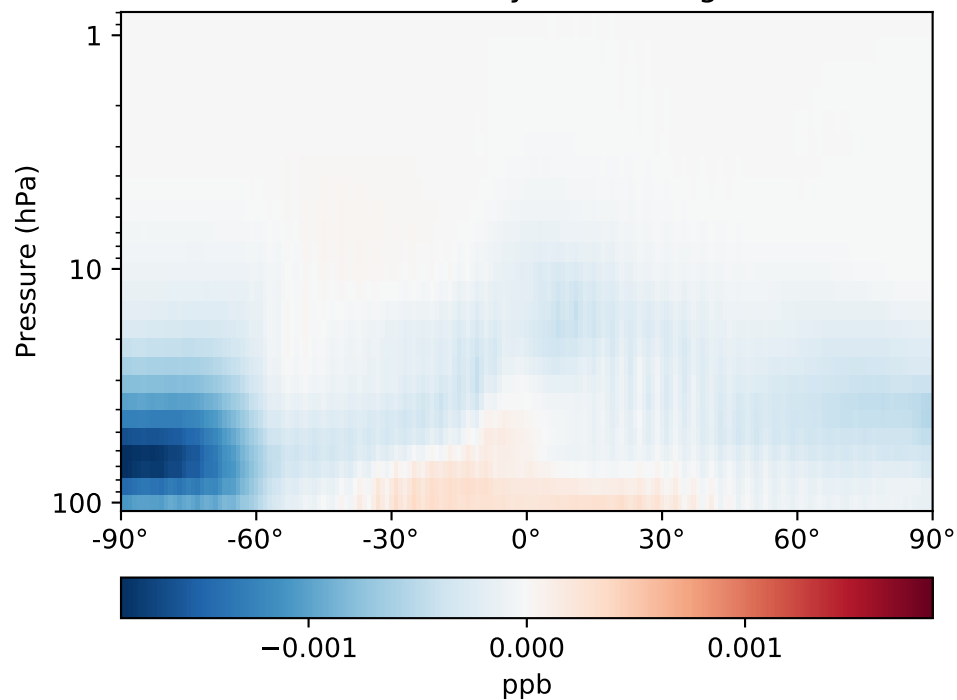
GCC\_13.0.0-beta.1 (Ref)  
4.0x5.0



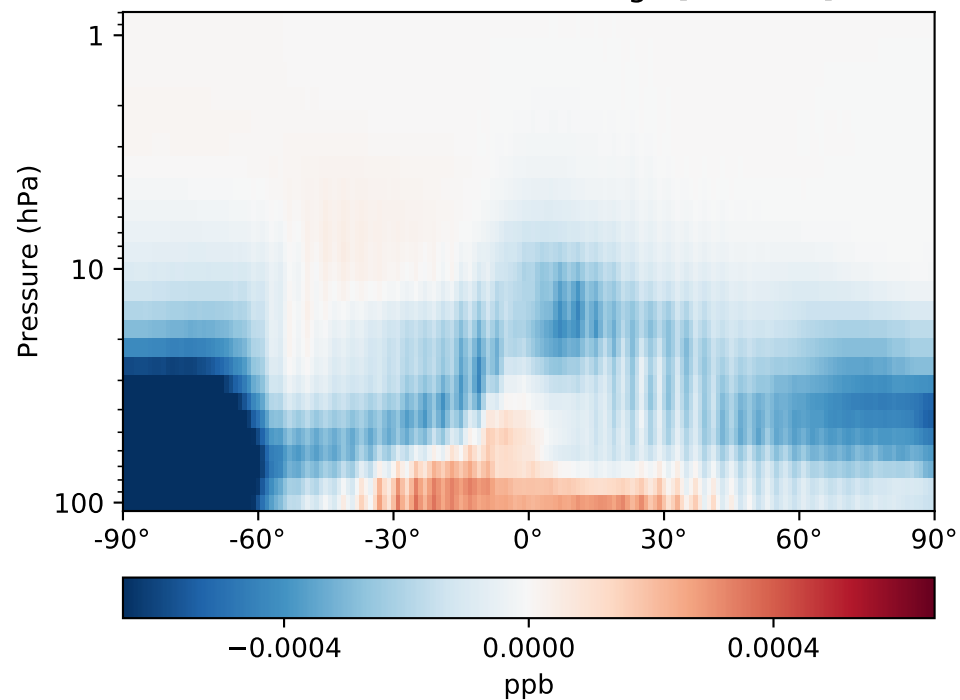
GCHP\_13.0.0-beta.1 (Dev)  
1x1.25 regrided from c48



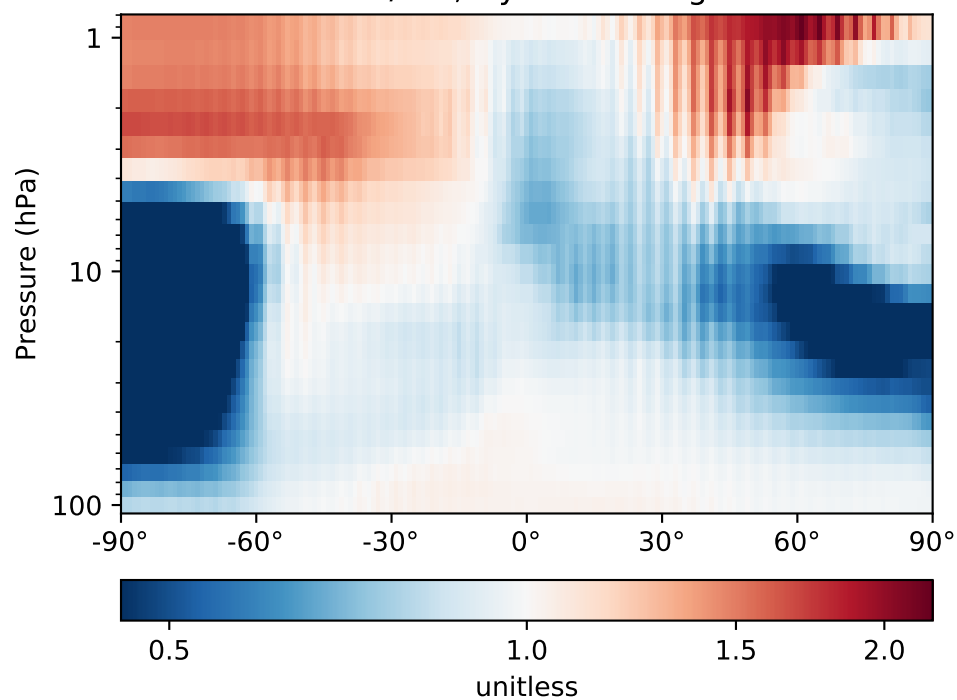
Difference (1x1.25)  
Dev - Ref, Dynamic Range



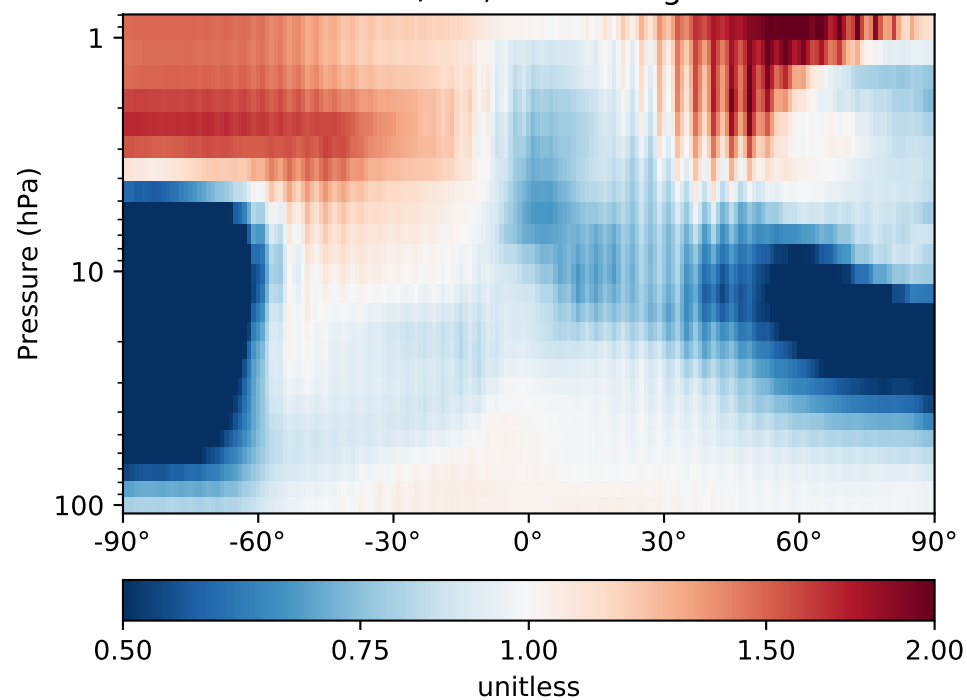
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)  
Dev/Ref, Dynamic Range

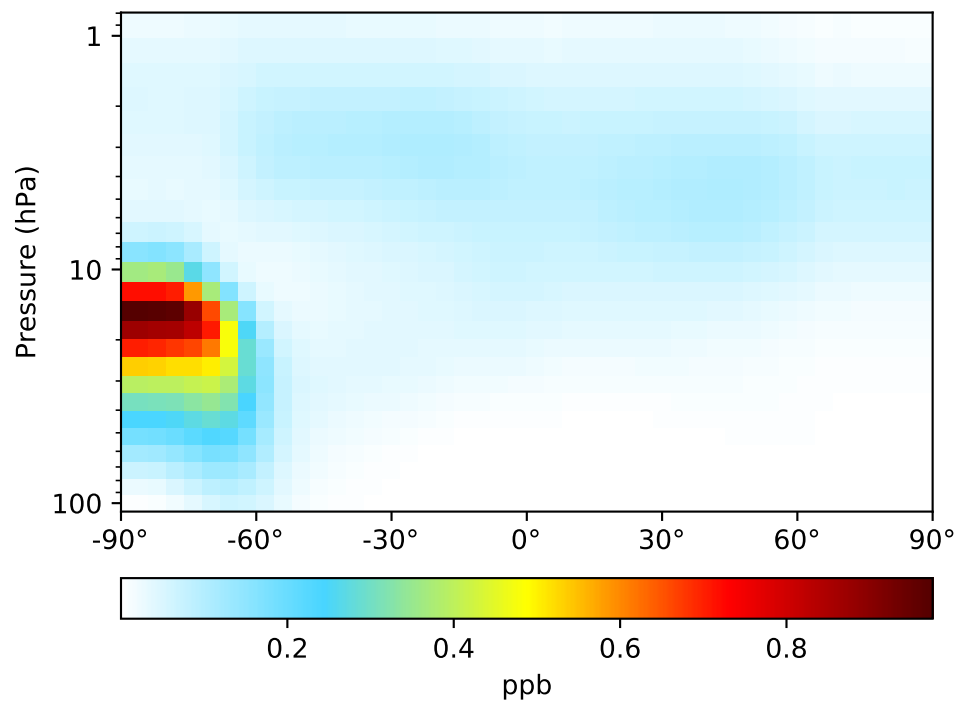


Ratio (1x1.25)  
Dev/Ref, Fixed Range

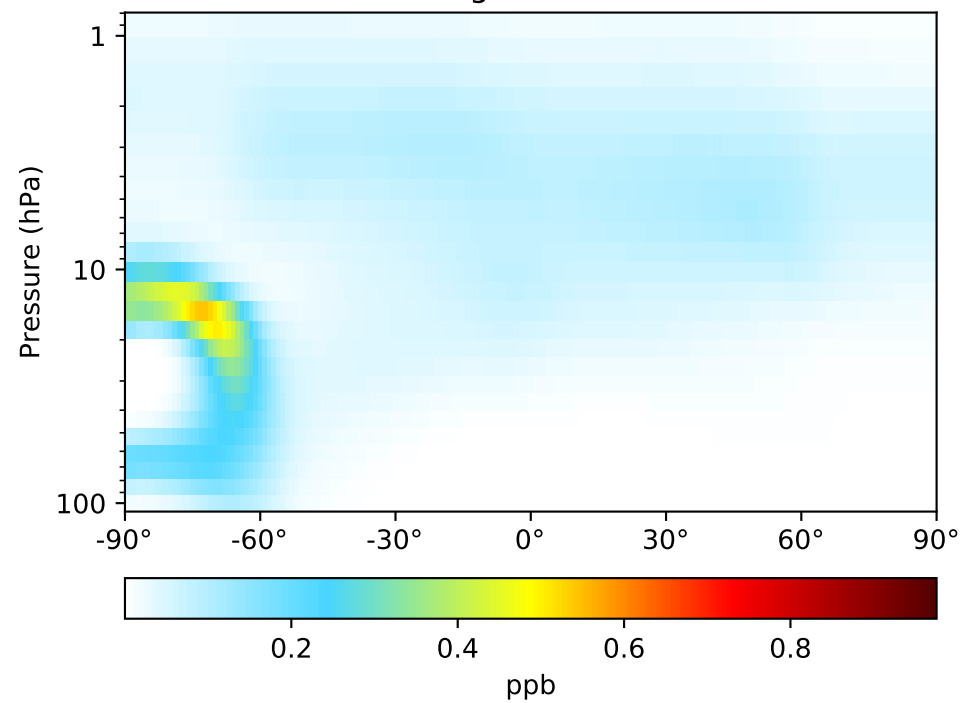


# SpeciesConc\_HOCl, Zonal Mean (Jul2019)

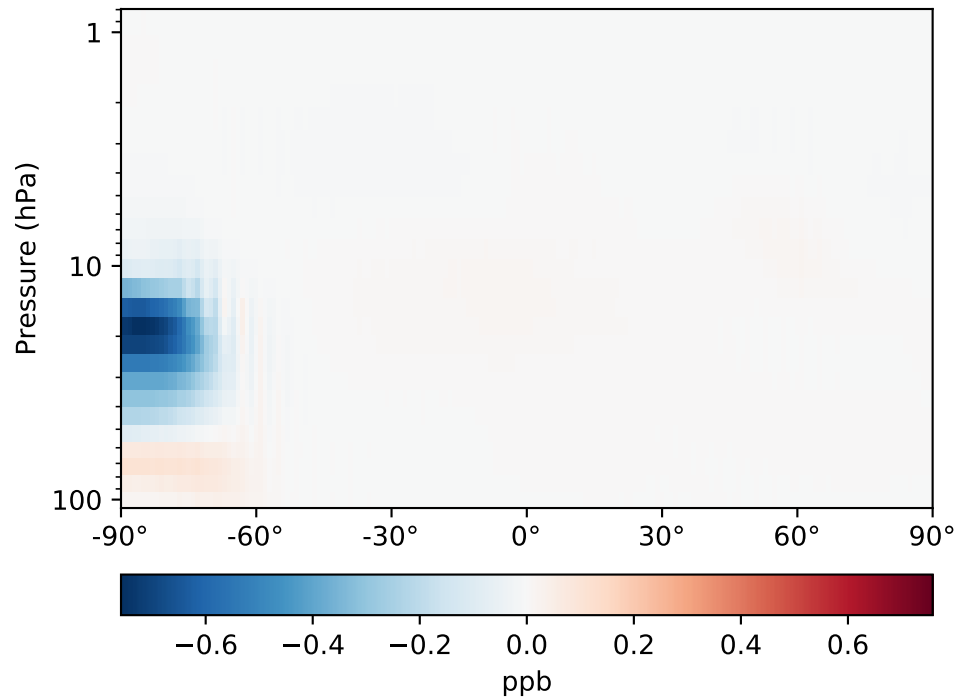
GCC\_13.0.0-beta.1 (Ref)  
4.0x5.0



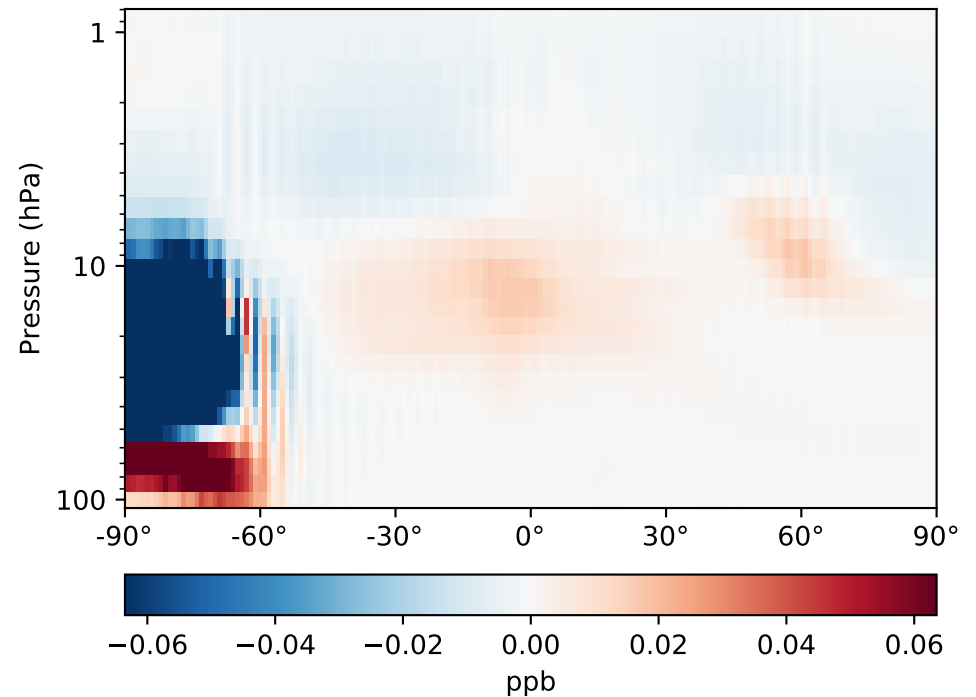
GCHP\_13.0.0-beta.1 (Dev)  
1x1.25 regrided from c48



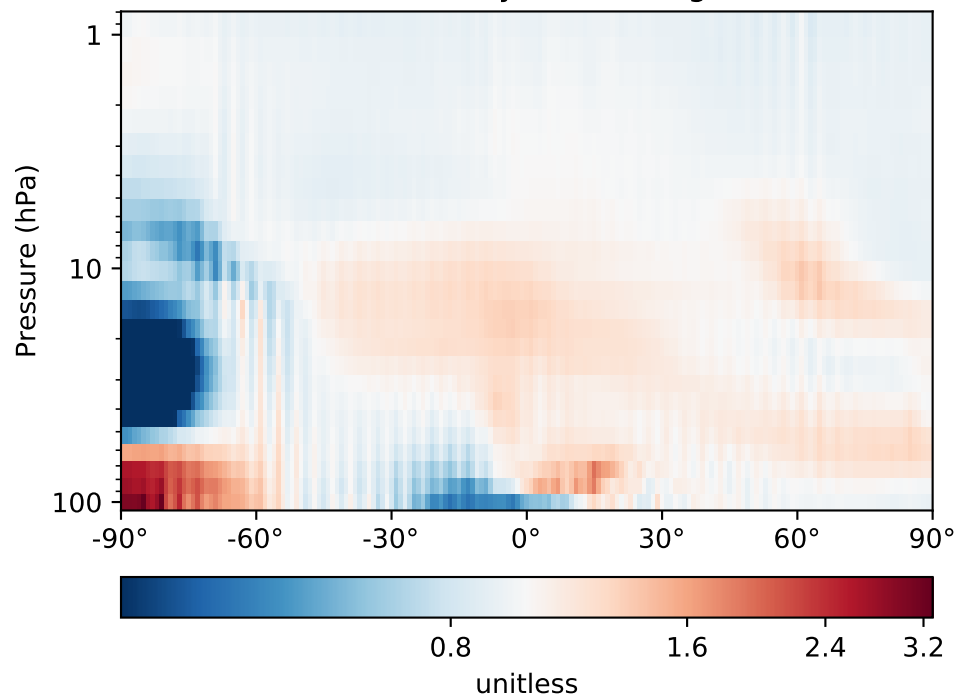
Difference (1x1.25)  
Dev - Ref, Dynamic Range



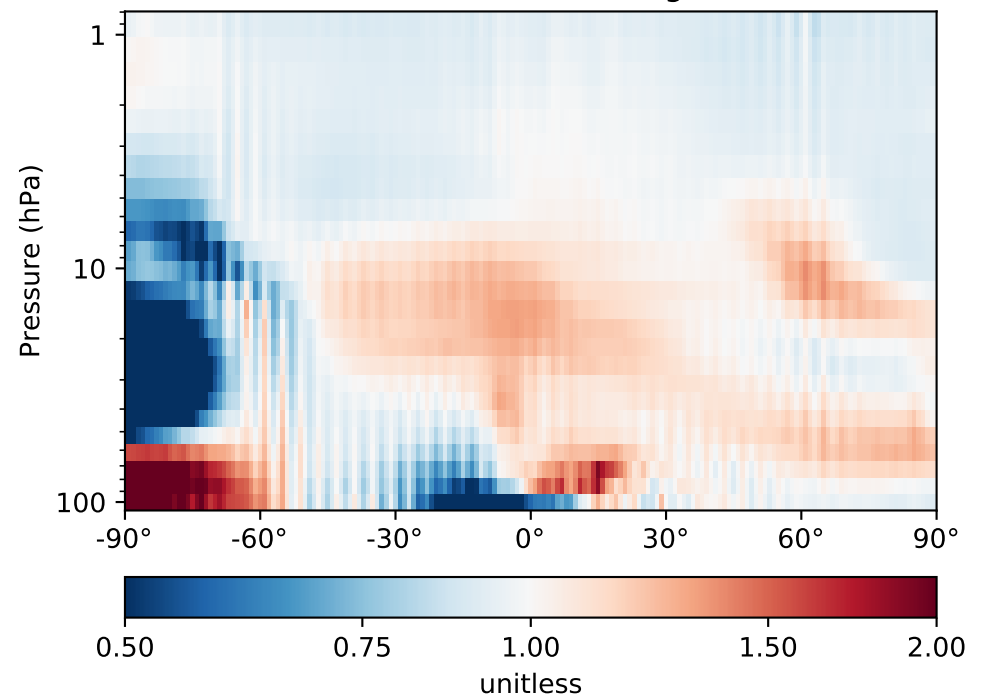
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)  
Dev/Ref, Dynamic Range

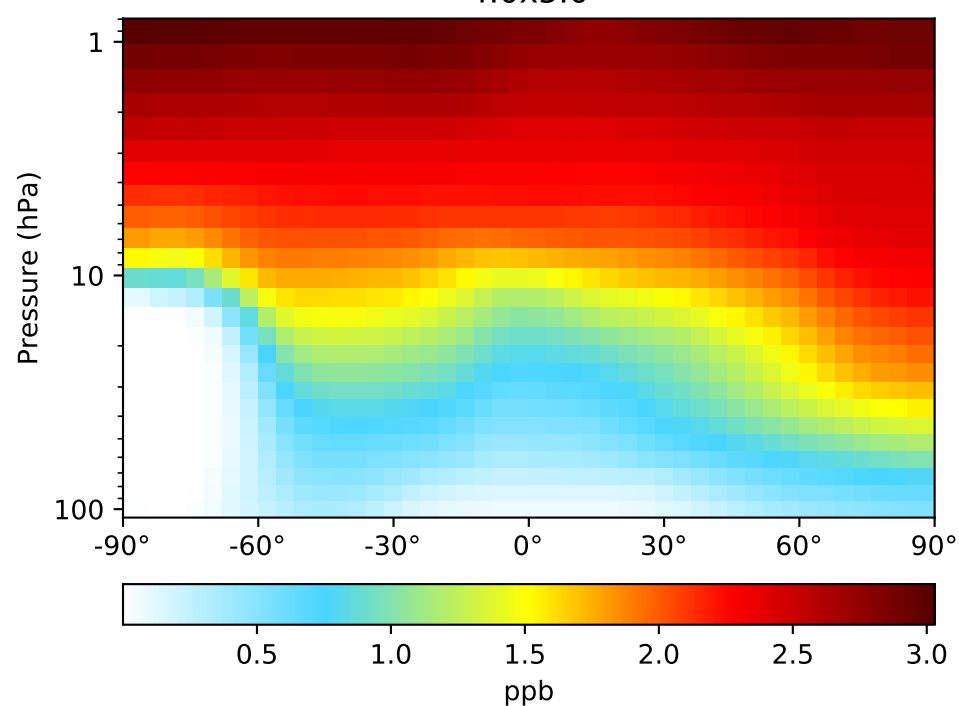


Ratio (1x1.25)  
Dev/Ref, Fixed Range

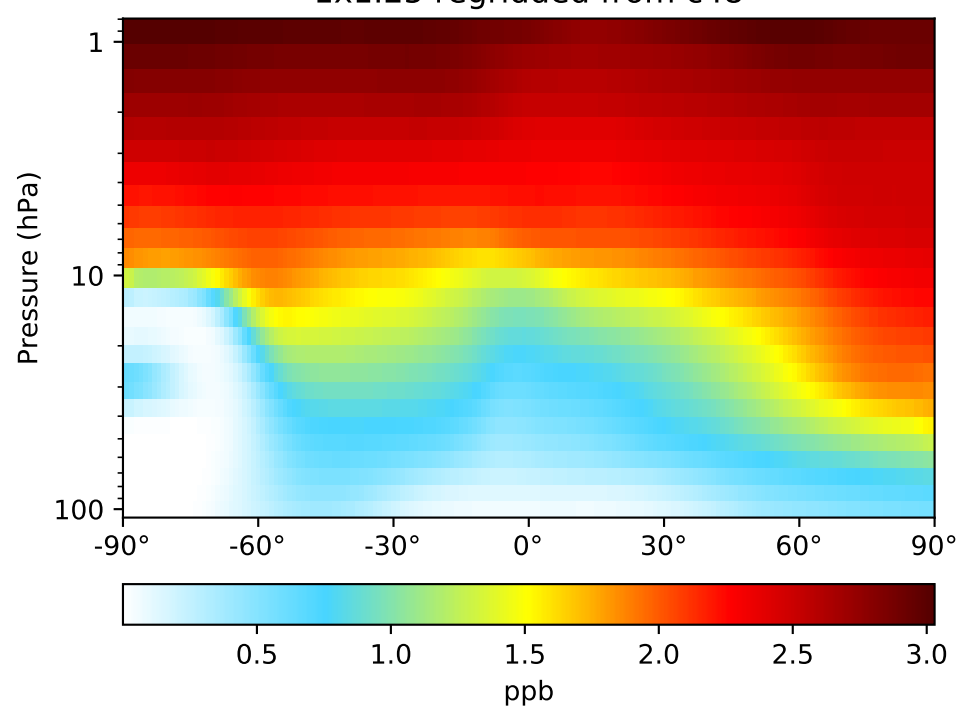


# SpeciesConc\_HCl, Zonal Mean (Jul2019)

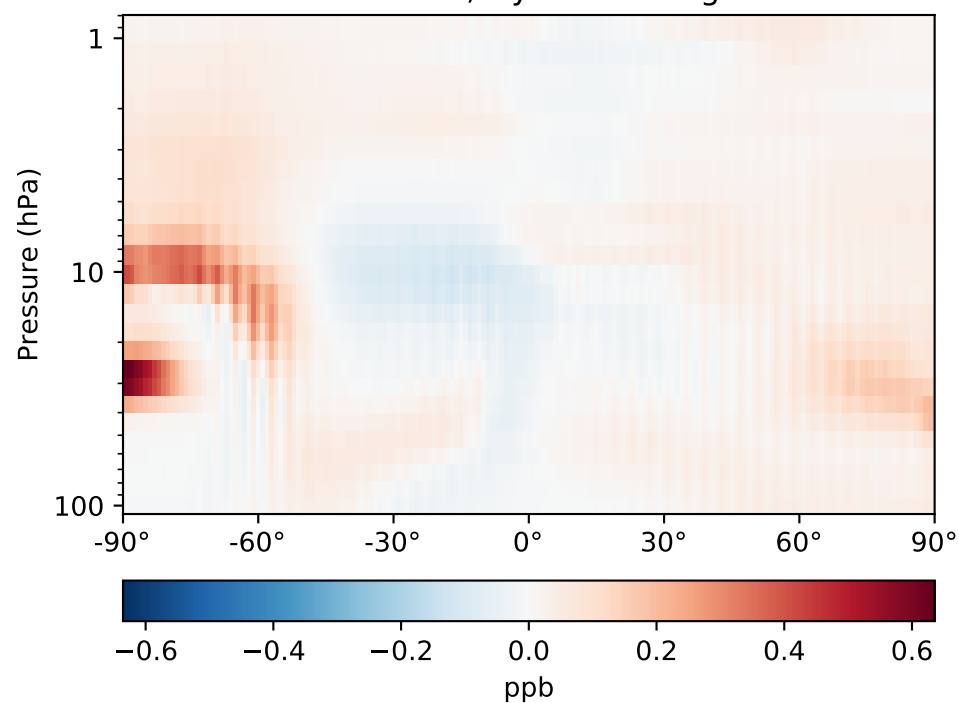
GCC\_13.0.0-beta.1 (Ref)  
4.0x5.0



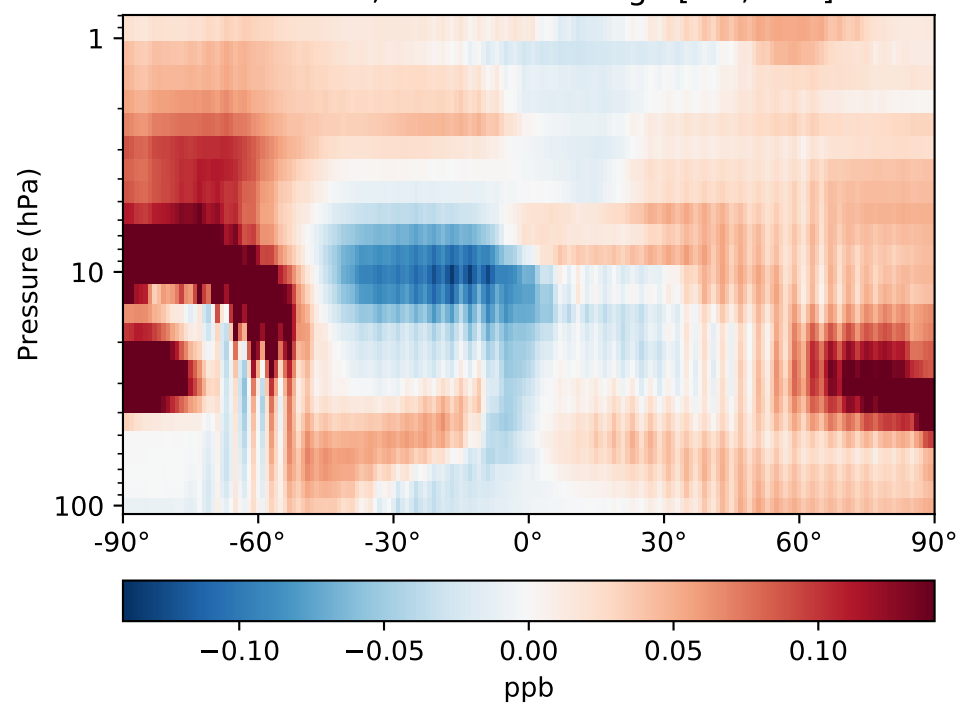
GCHP\_13.0.0-beta.1 (Dev)  
1x1.25 regrided from c48



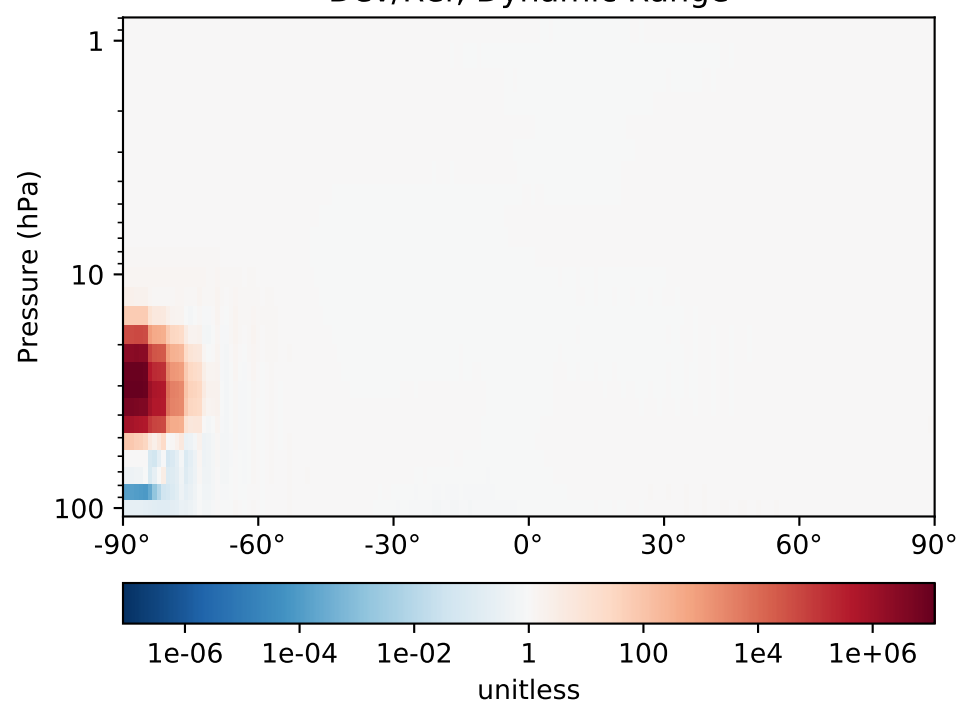
Difference (1x1.25)  
Dev - Ref, Dynamic Range



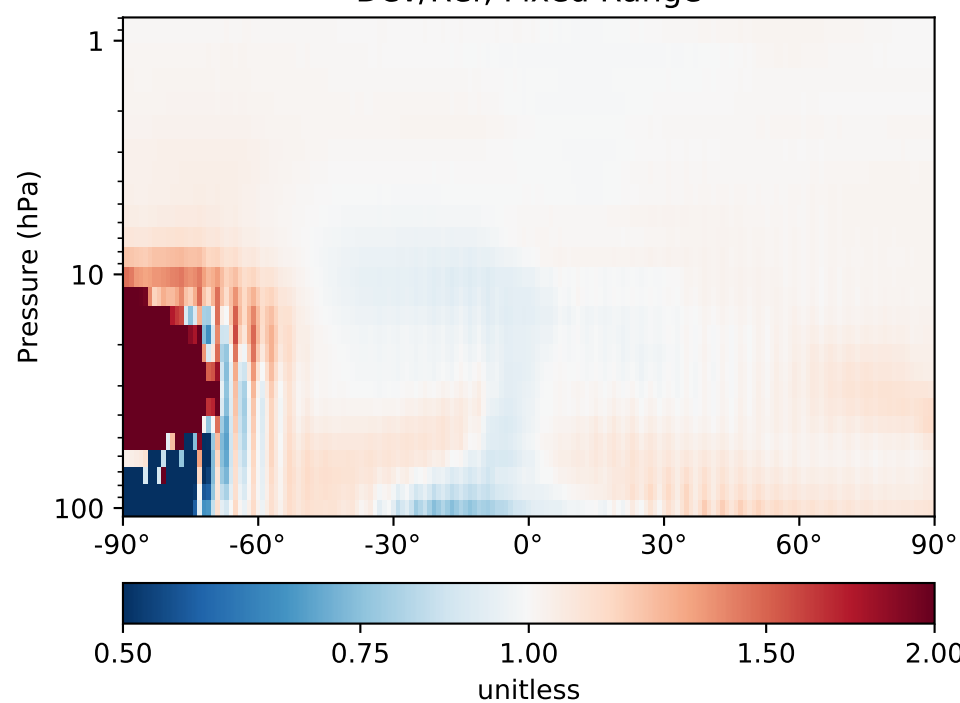
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)  
Dev/Ref, Dynamic Range

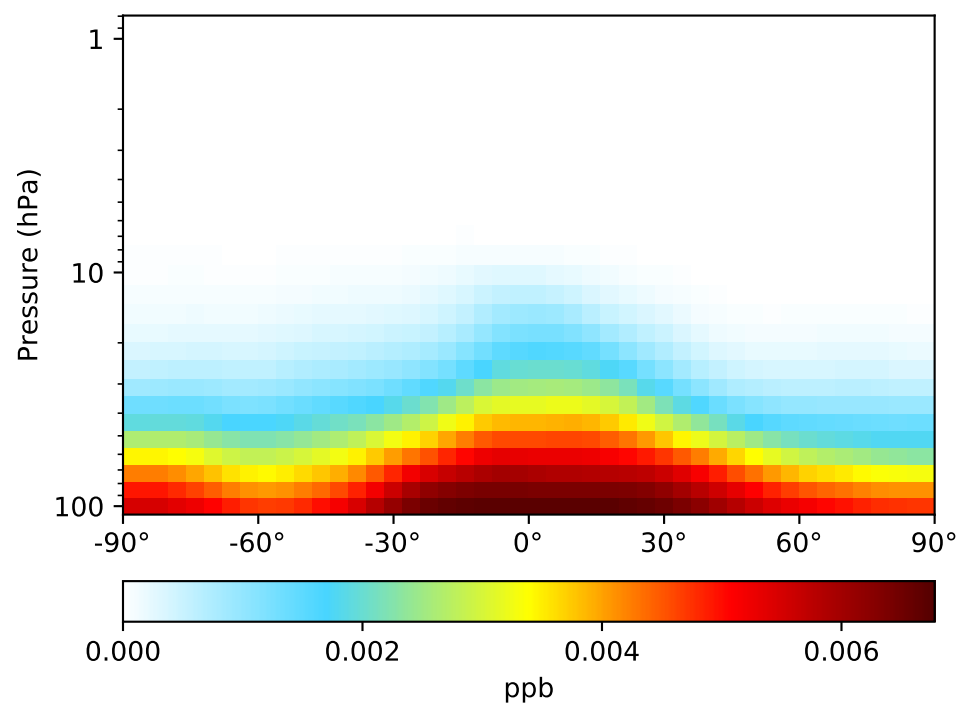


Ratio (1x1.25)  
Dev/Ref, Fixed Range

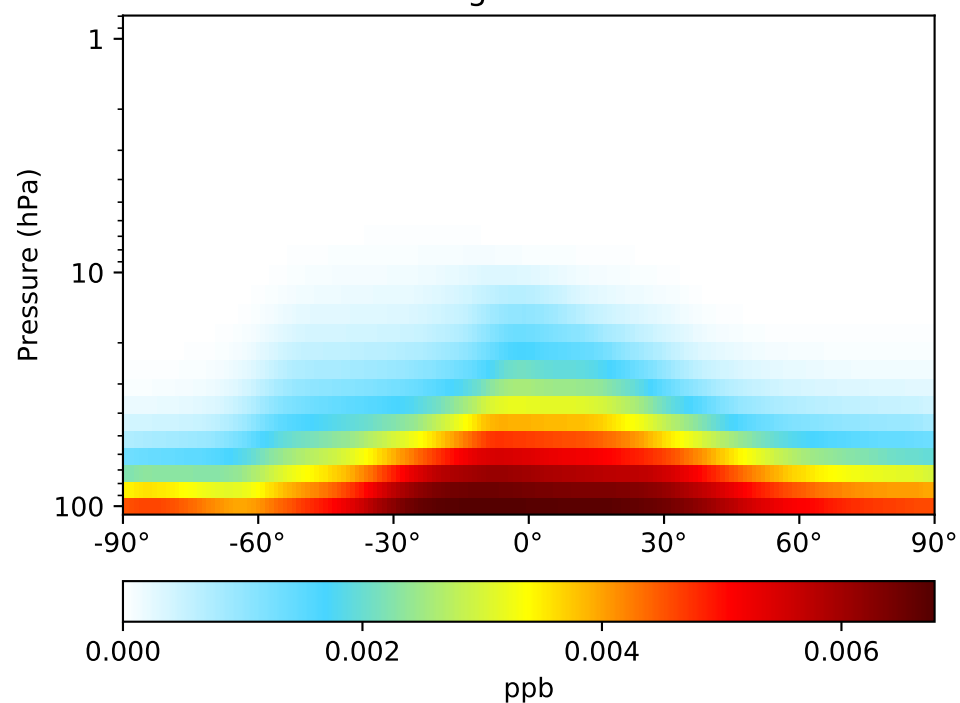


# SpeciesConc\_Halons, Zonal Mean (Jul2019)

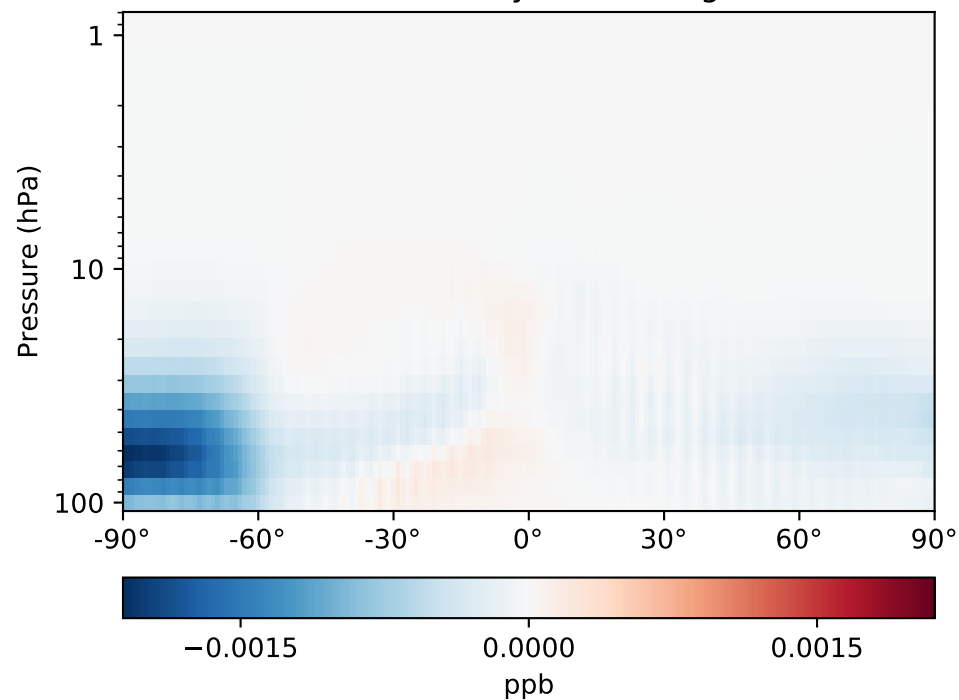
GCC\_13.0.0-beta.1 (Ref)  
4.0x5.0



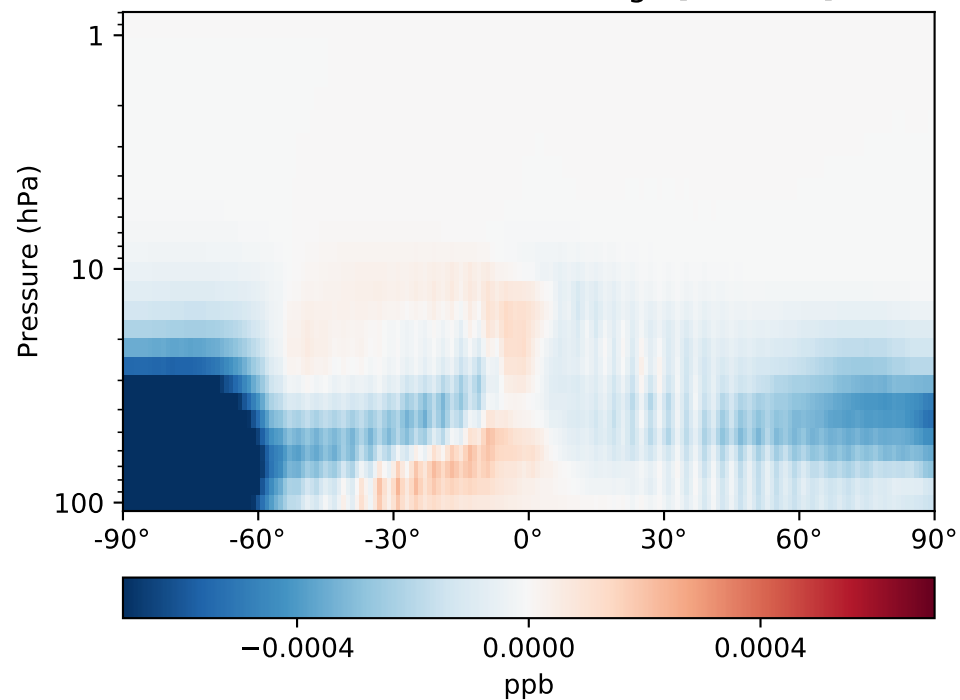
GCHP\_13.0.0-beta.1 (Dev)  
1x1.25 regrided from c48



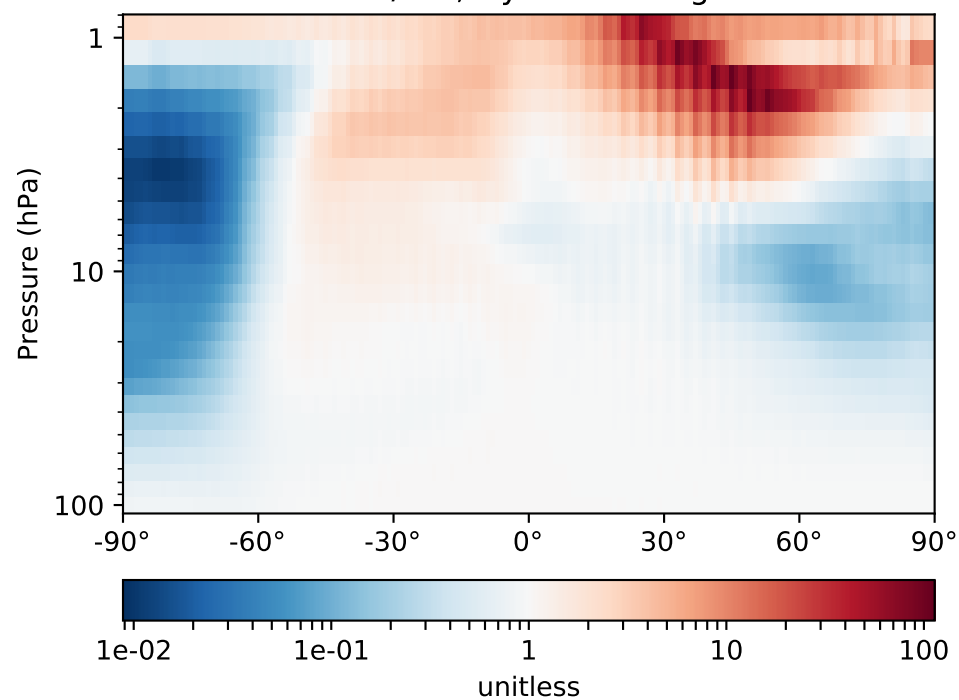
Difference (1x1.25)  
Dev - Ref, Dynamic Range



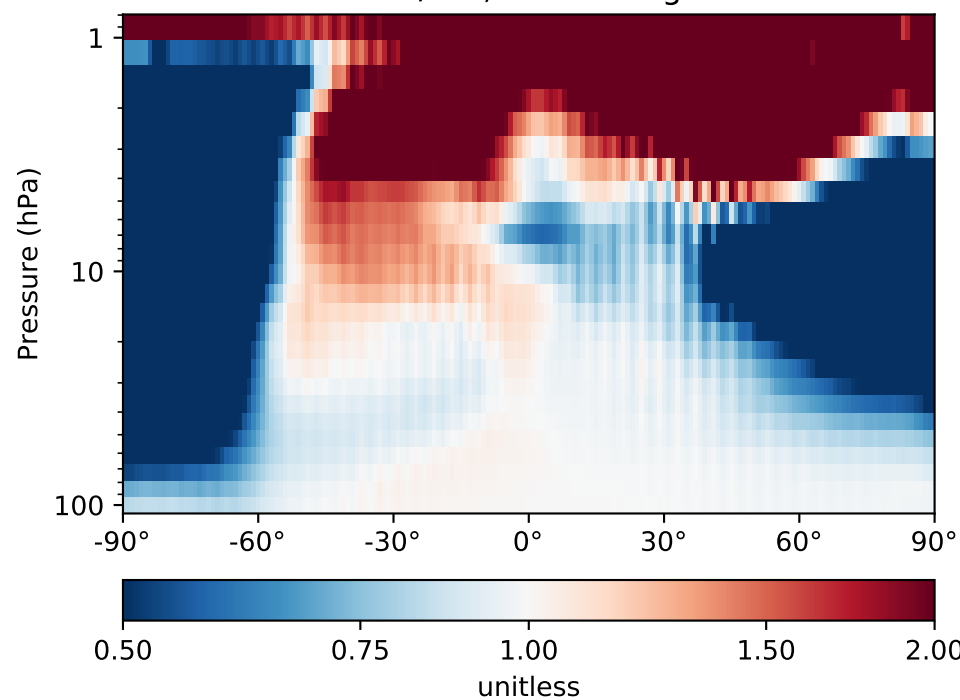
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)  
Dev/Ref, Dynamic Range



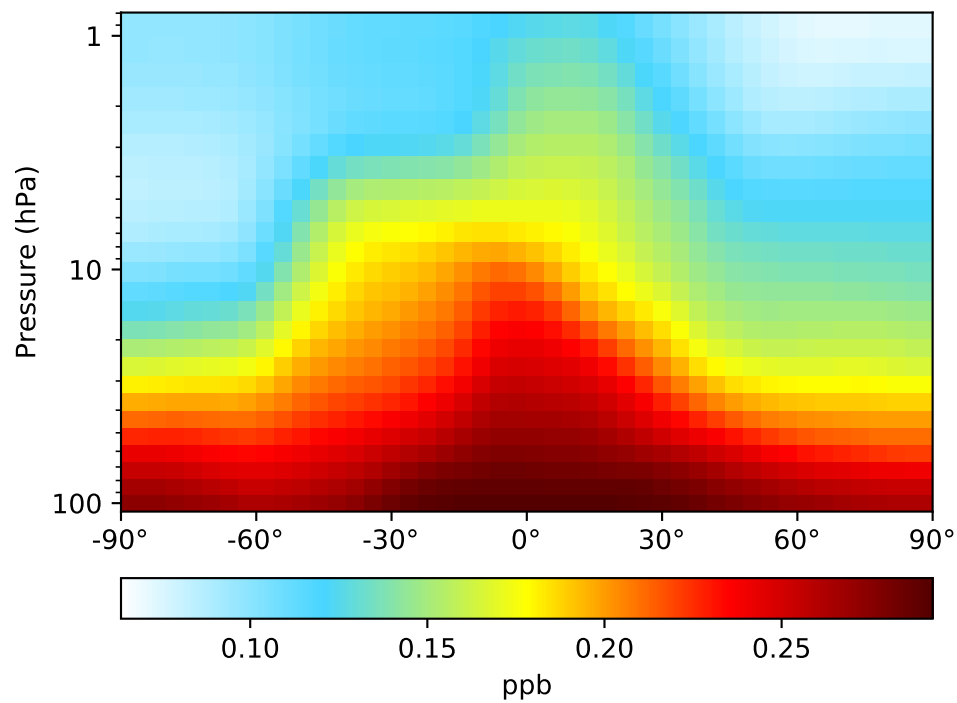
Ratio (1x1.25)  
Dev/Ref, Fixed Range



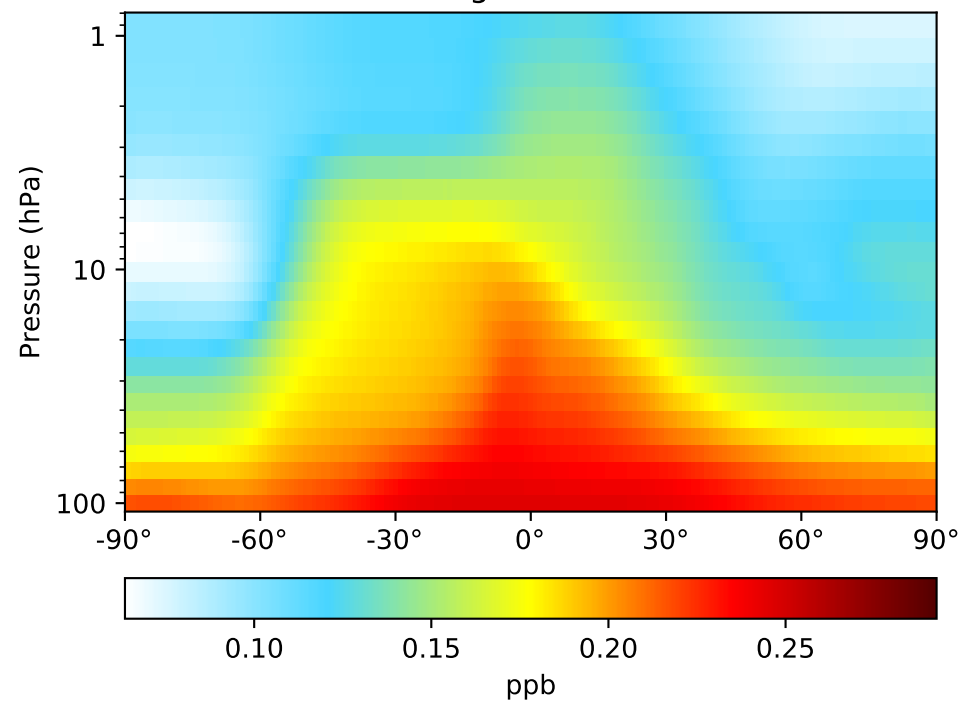


# SpeciesConc\_HCFCs, Zonal Mean (Jul2019)

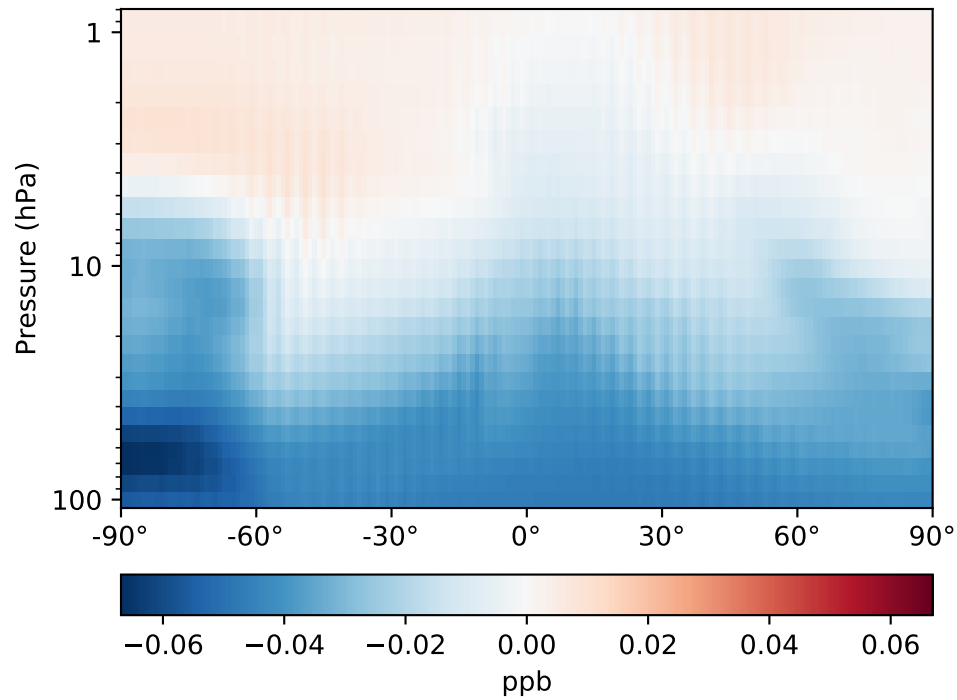
GCC\_13.0.0-beta.1 (Ref)  
4.0x5.0



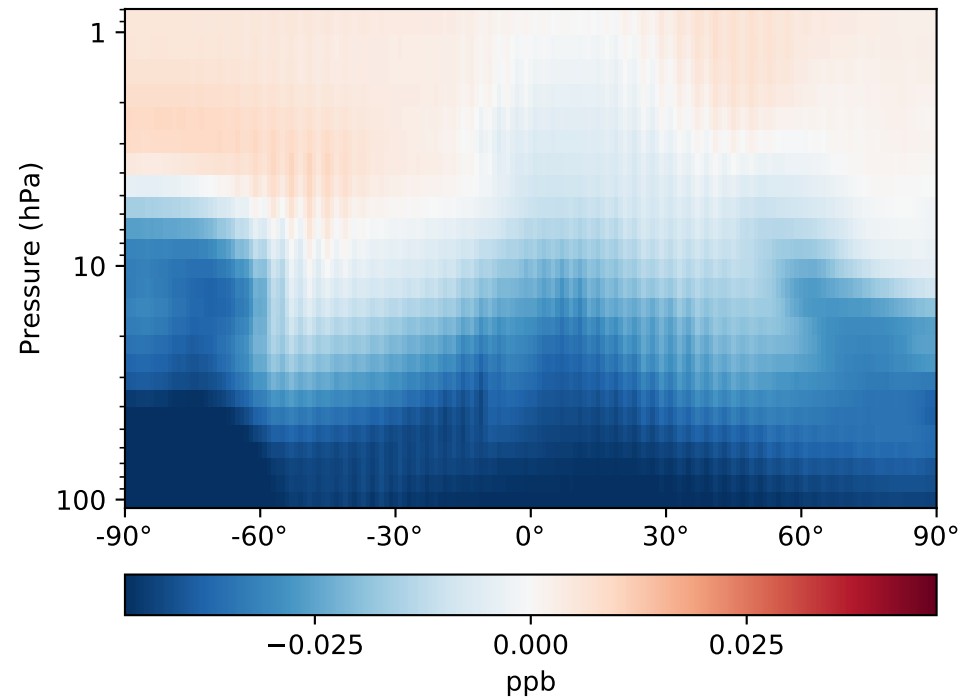
GCHP\_13.0.0-beta.1 (Dev)  
1x1.25 regrided from c48



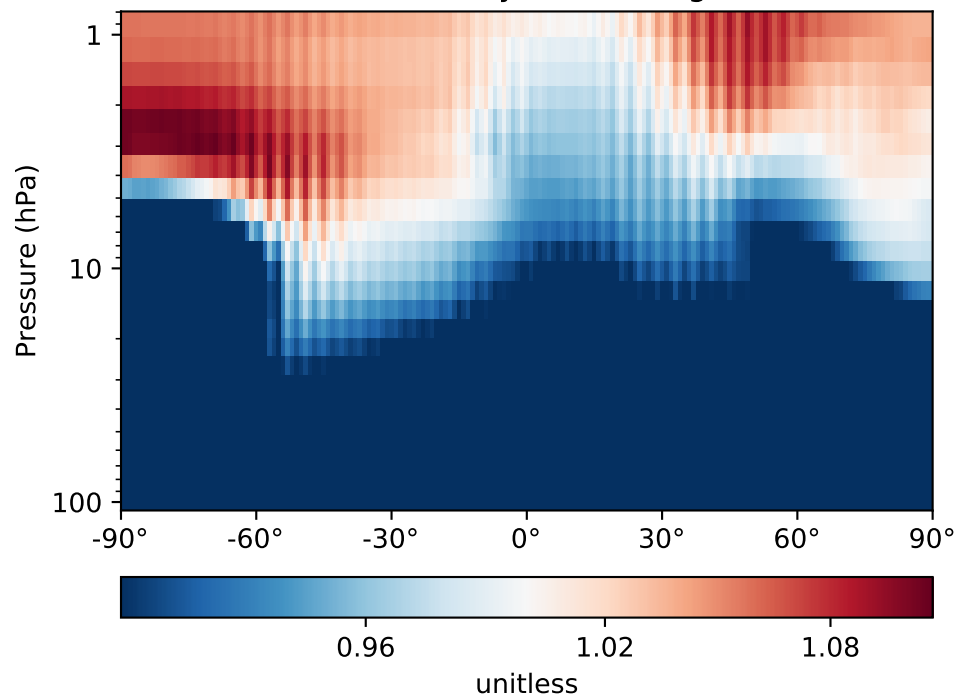
Difference (1x1.25)  
Dev - Ref, Dynamic Range



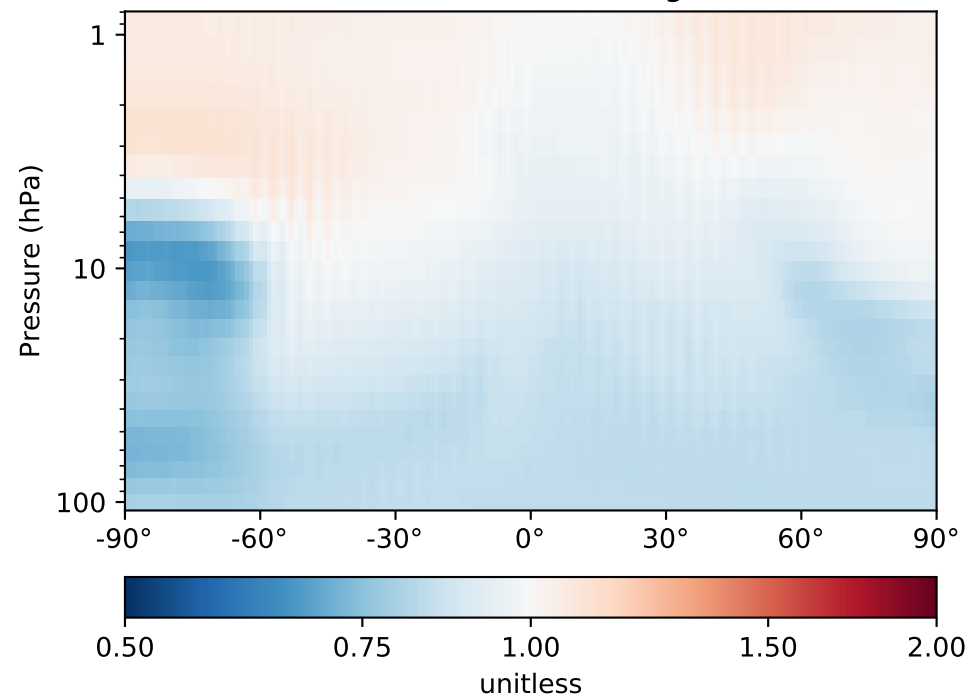
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)  
Dev/Ref, Dynamic Range

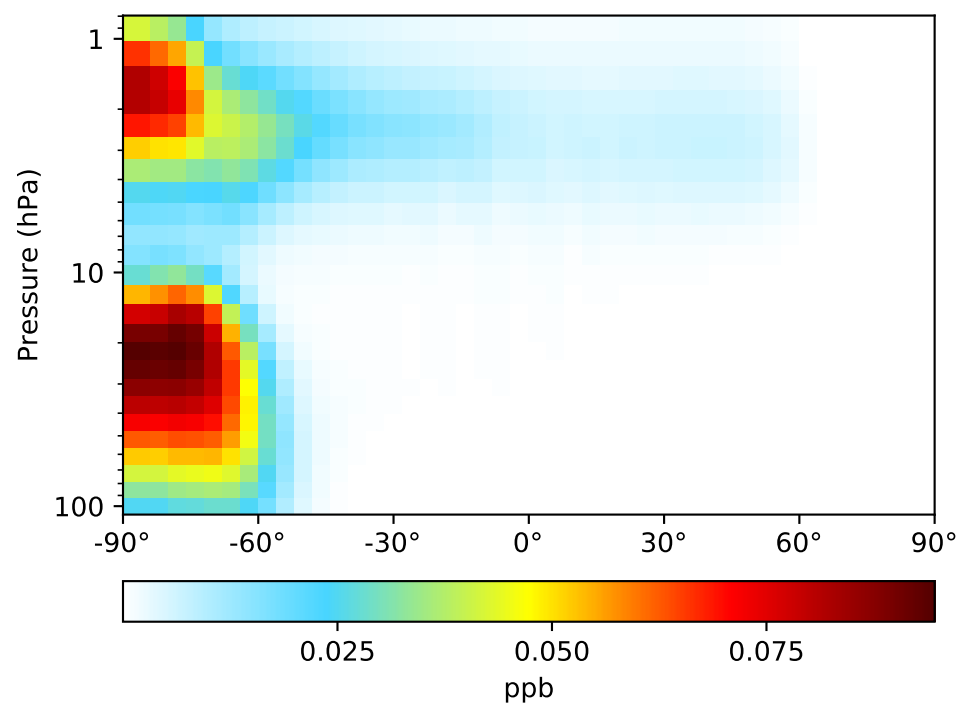


Ratio (1x1.25)  
Dev/Ref, Fixed Range

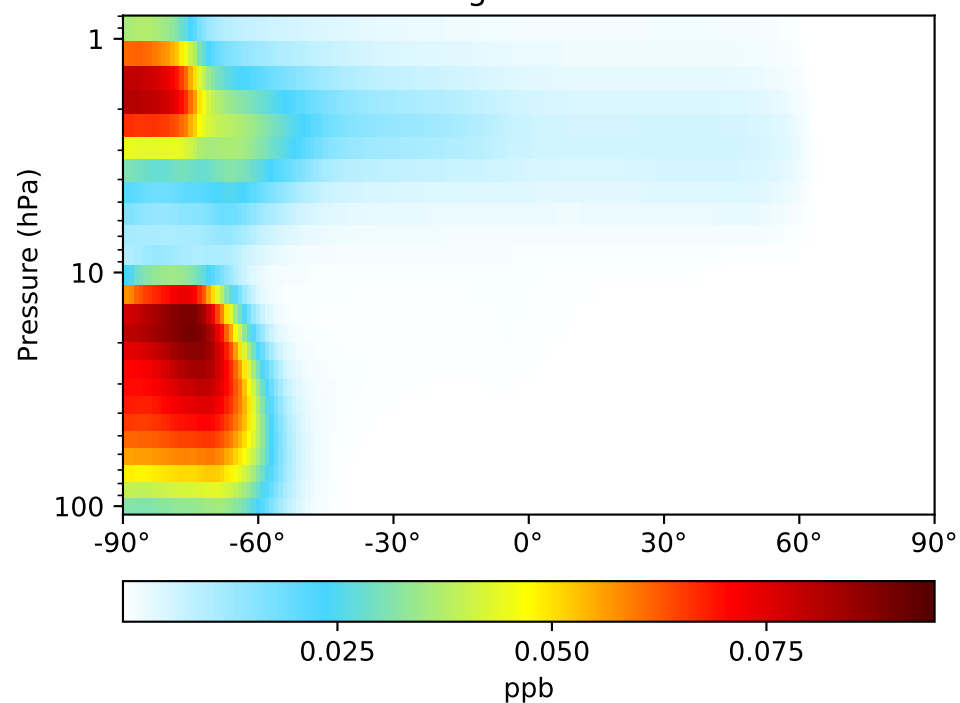


# SpeciesConc\_OClO, Zonal Mean (Jul2019)

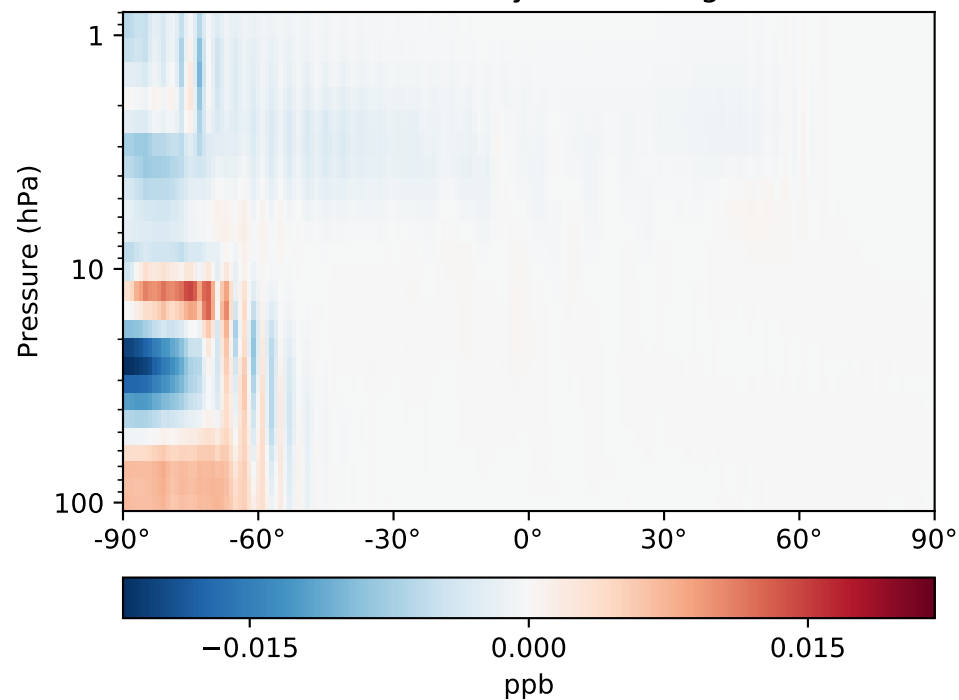
GCC\_13.0.0-beta.1 (Ref)  
4.0x5.0



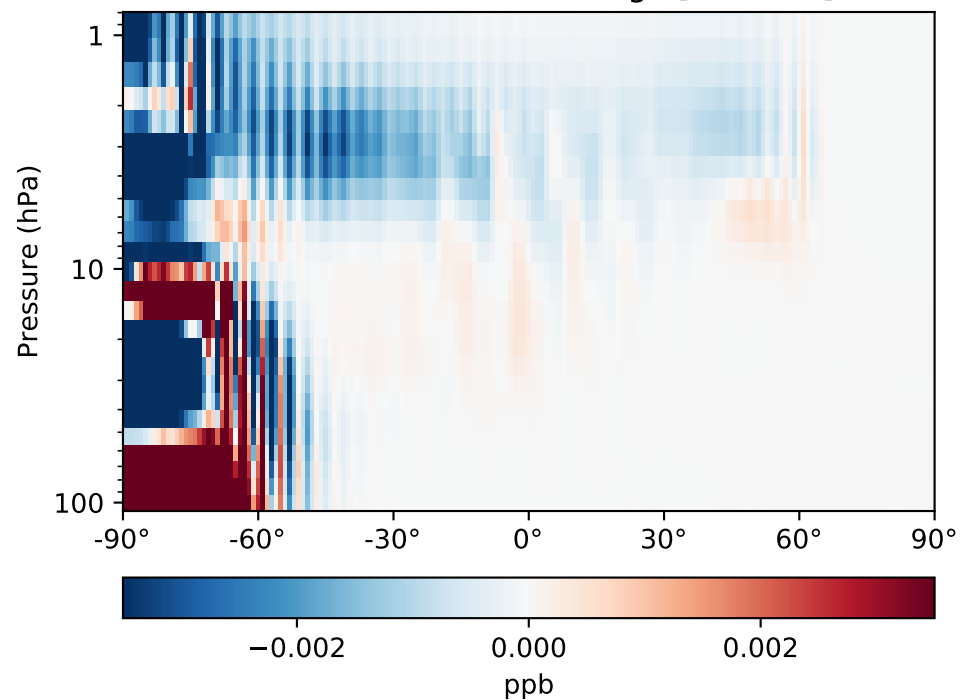
GCHP\_13.0.0-beta.1 (Dev)  
1x1.25 regrided from c48



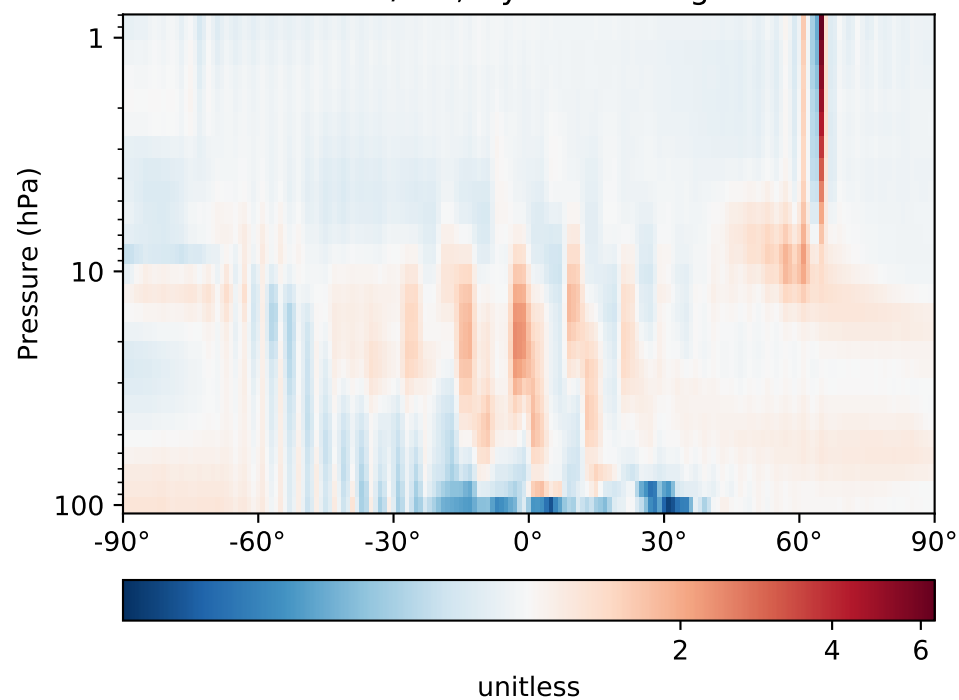
Difference (1x1.25)  
Dev - Ref, Dynamic Range



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



Ratio (1x1.25)  
Dev/Ref, Dynamic Range



Ratio (1x1.25)  
Dev/Ref, Fixed Range

