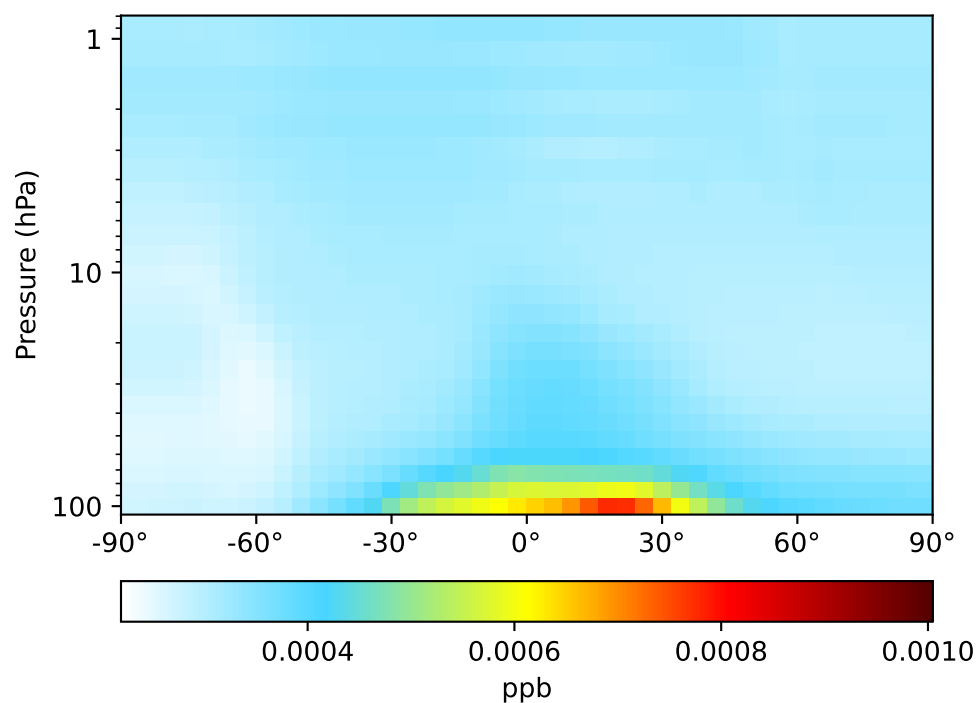
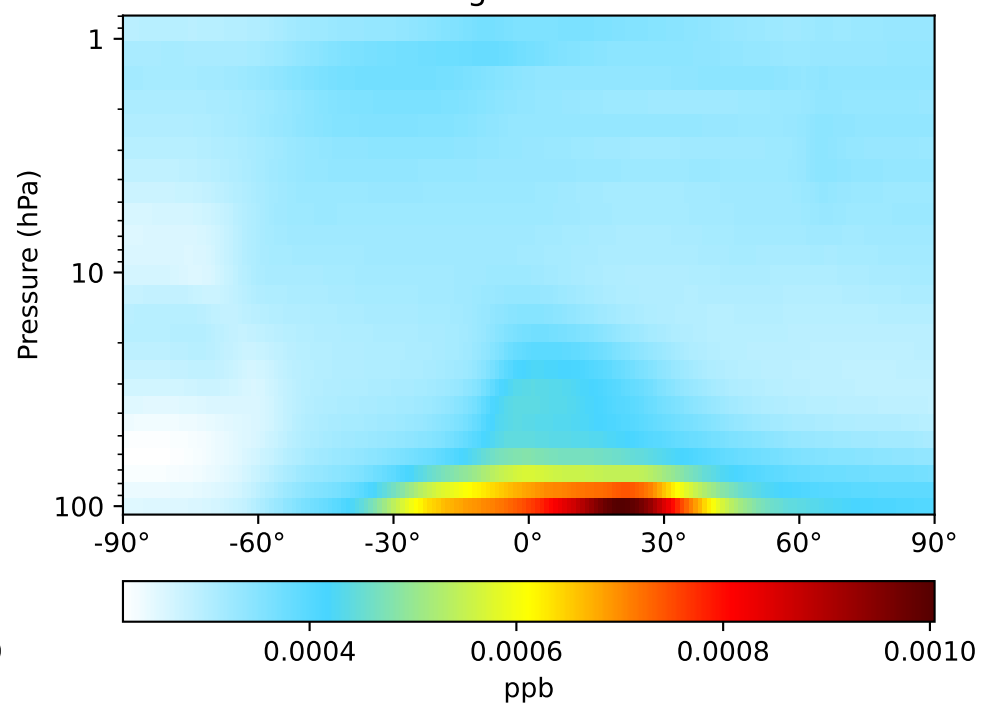


# SpeciesConc\_ly, Zonal Mean (Jul2019)

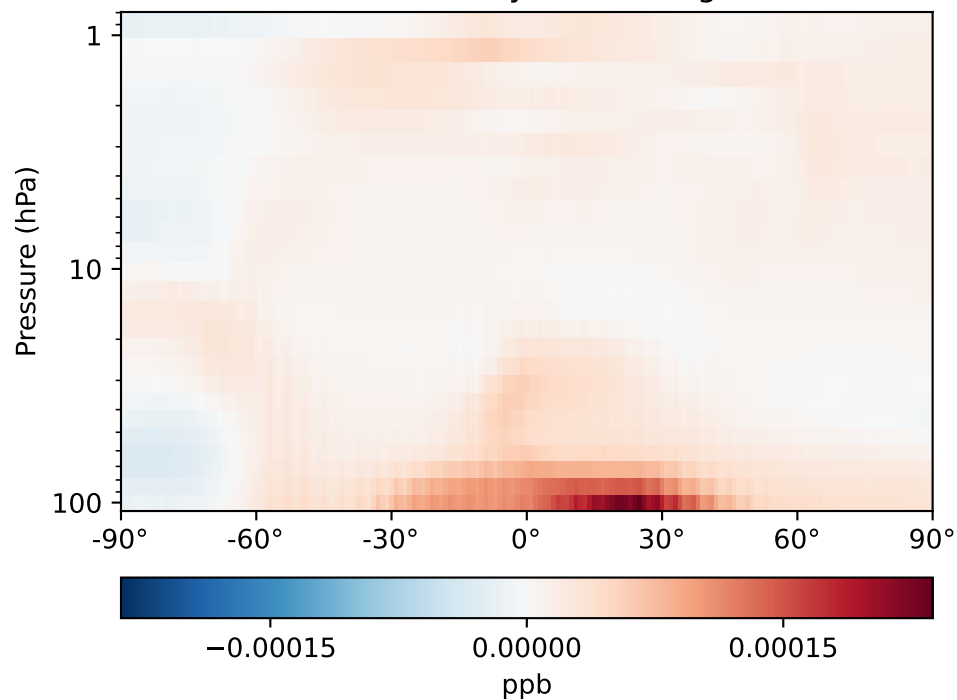
GCC\_13.2.0 (Ref)  
4.0x5.0



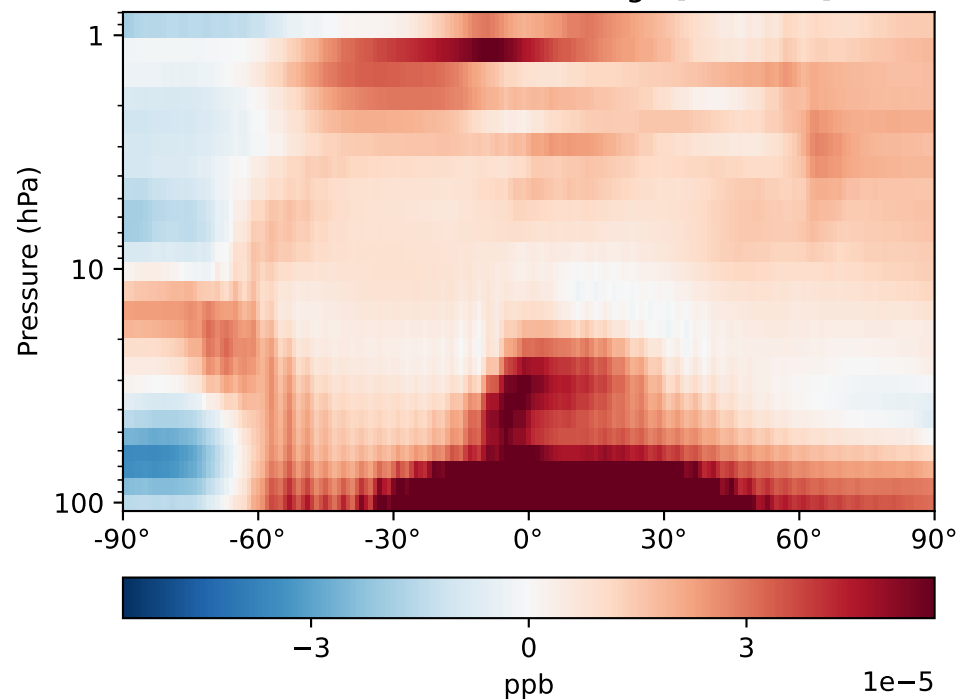
GCHP\_13.2.0 (Dev)  
1x1.25 regrided from c48



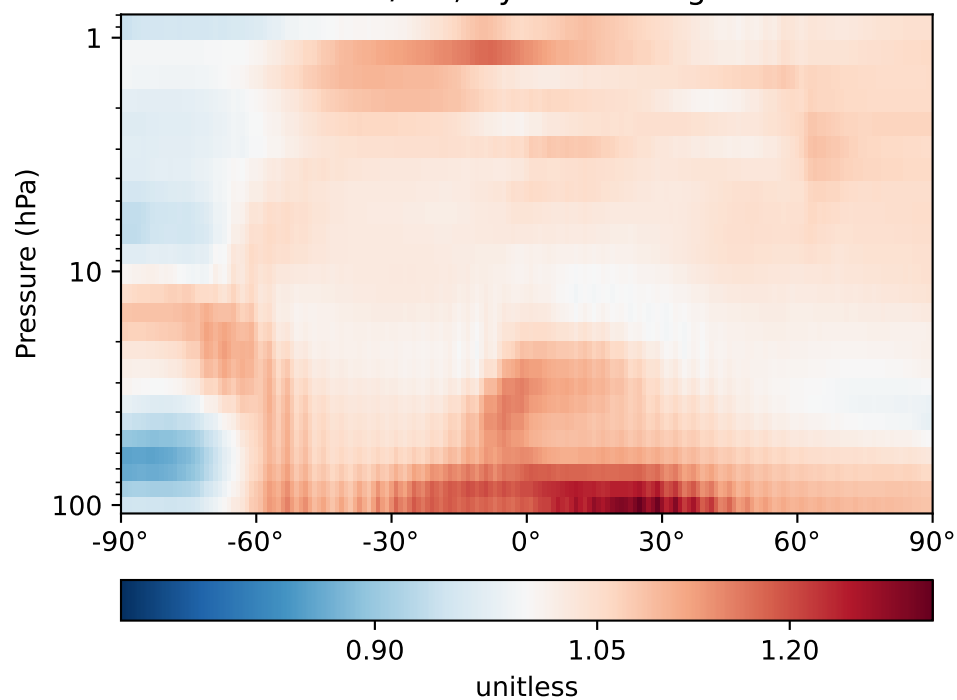
Difference (1x1.25)  
Dev - Ref, Dynamic Range



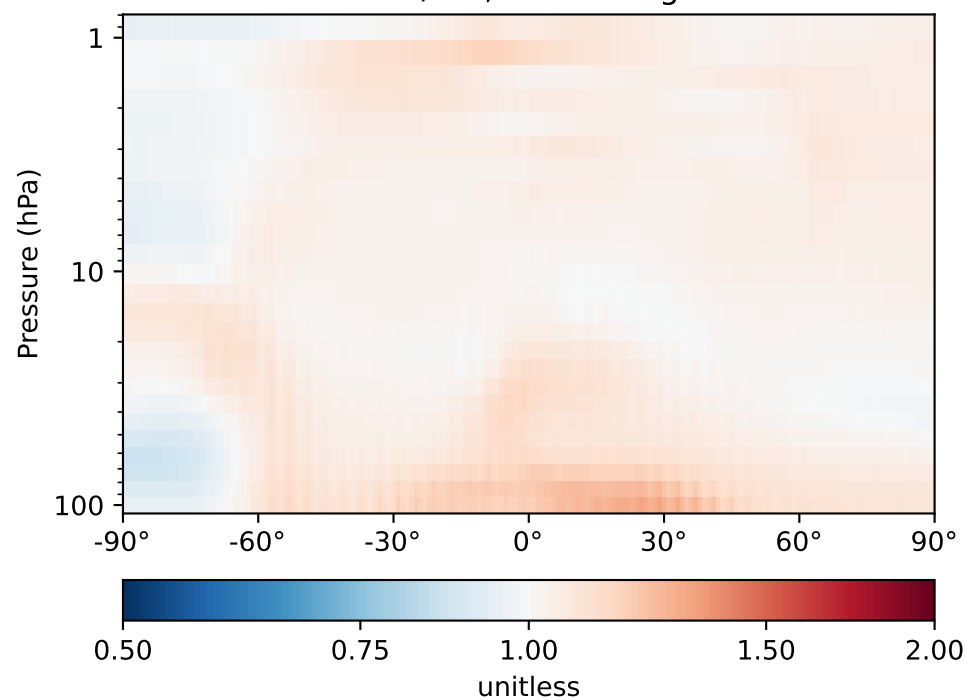
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

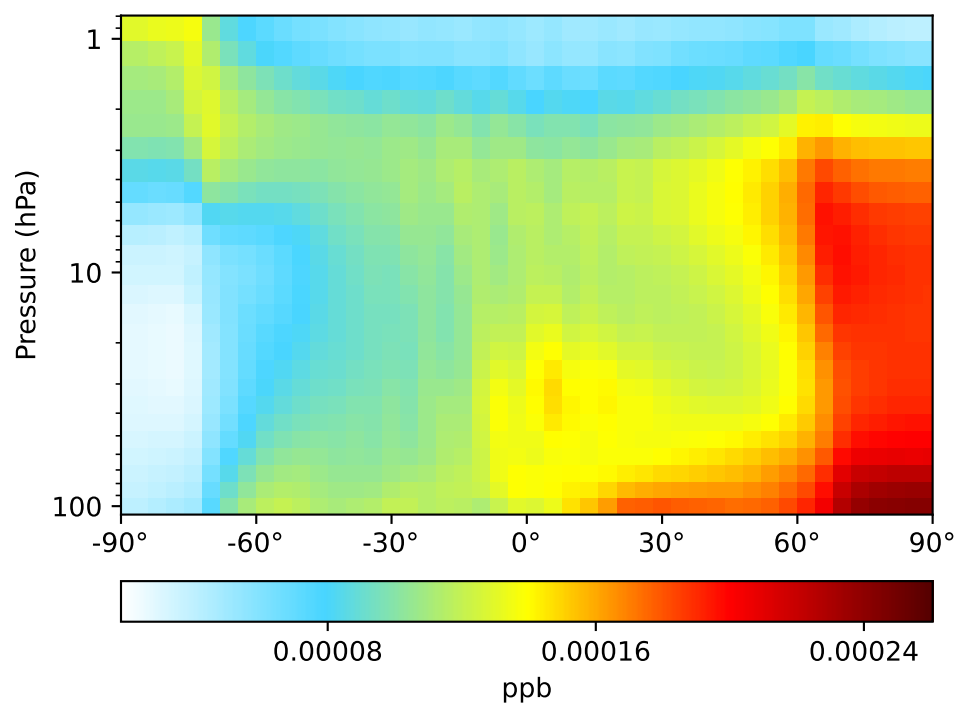


Ratio (1x1.25)  
Dev/Ref, Fixed Range

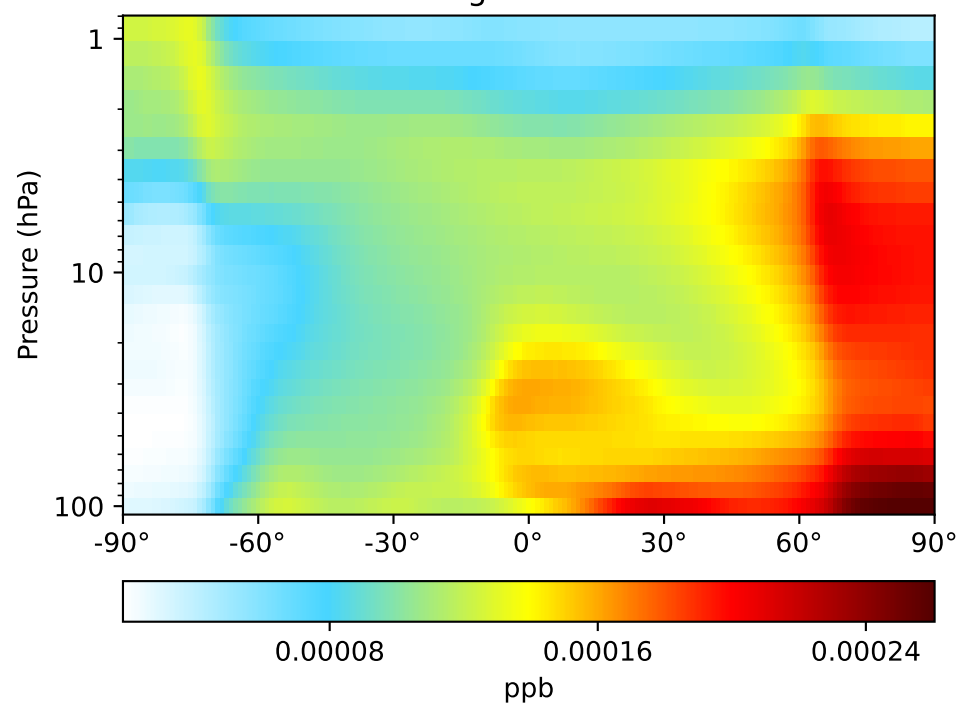


# SpeciesConc\_IxOy, Zonal Mean (Jul2019)

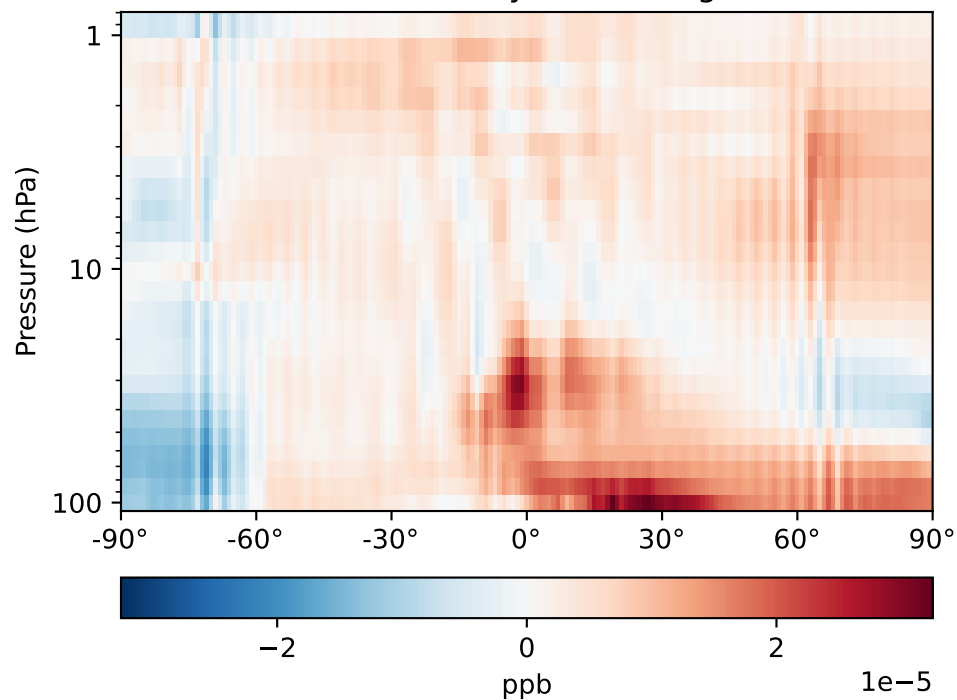
GCC\_13.2.0 (Ref)  
4.0x5.0



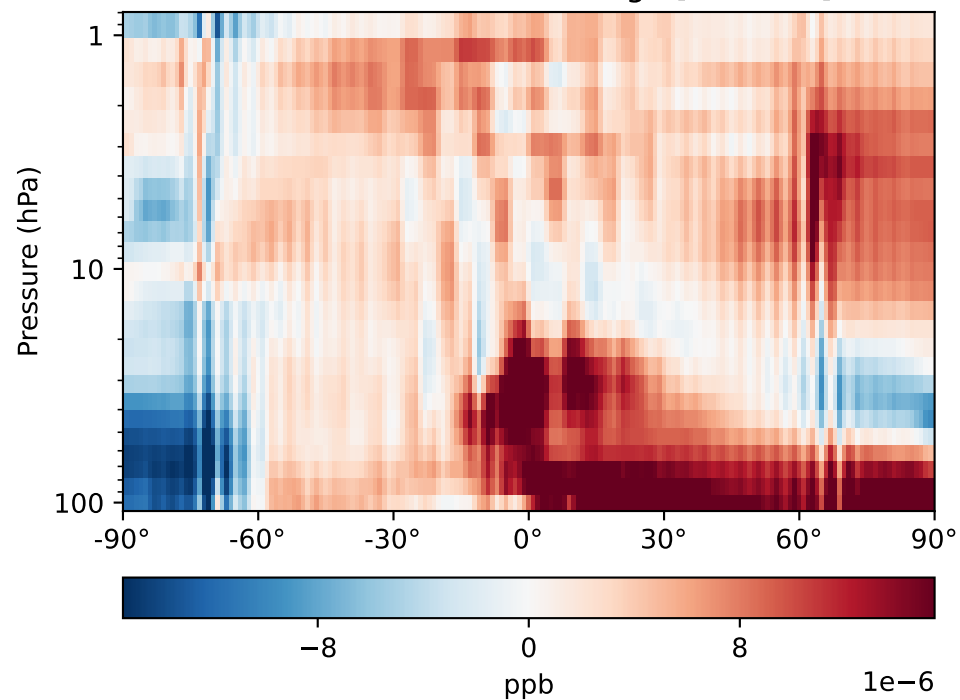
GCHP\_13.2.0 (Dev)  
1x1.25 regrided from c48



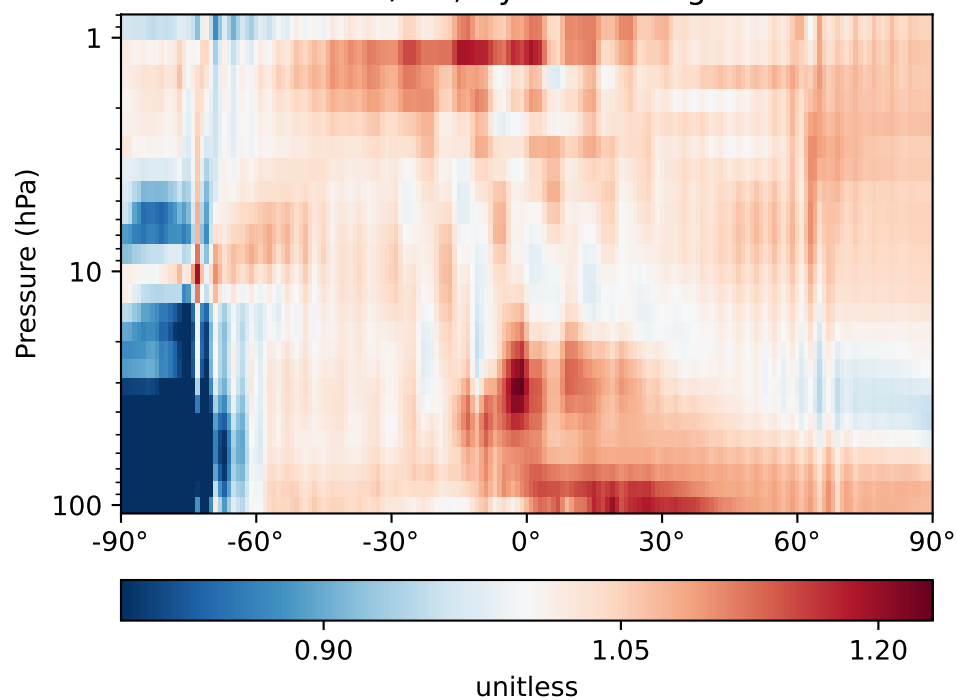
Difference (1x1.25)  
Dev - Ref, Dynamic Range



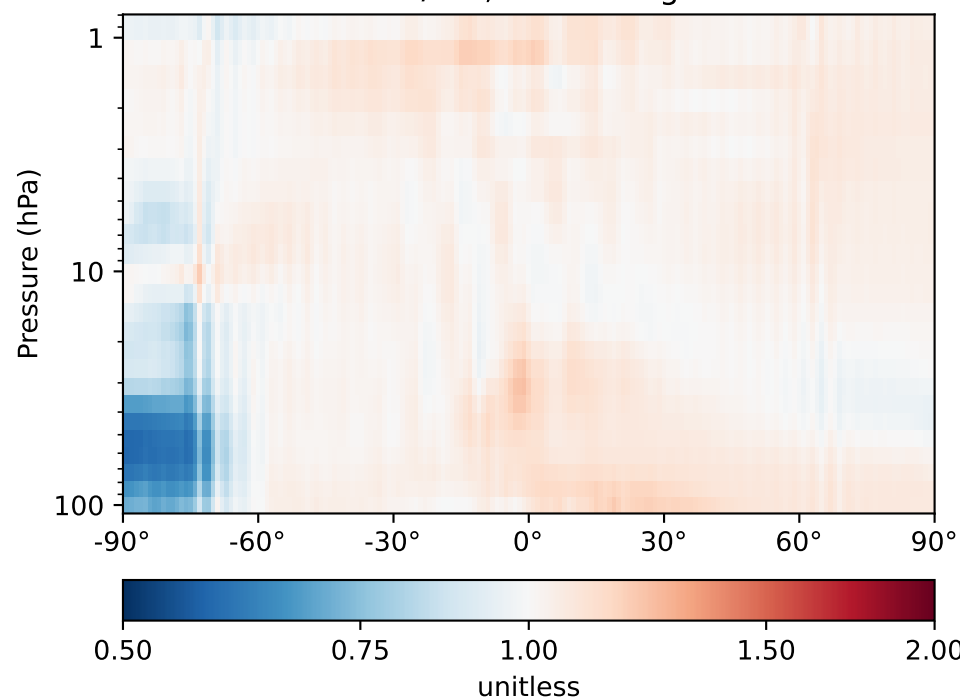
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

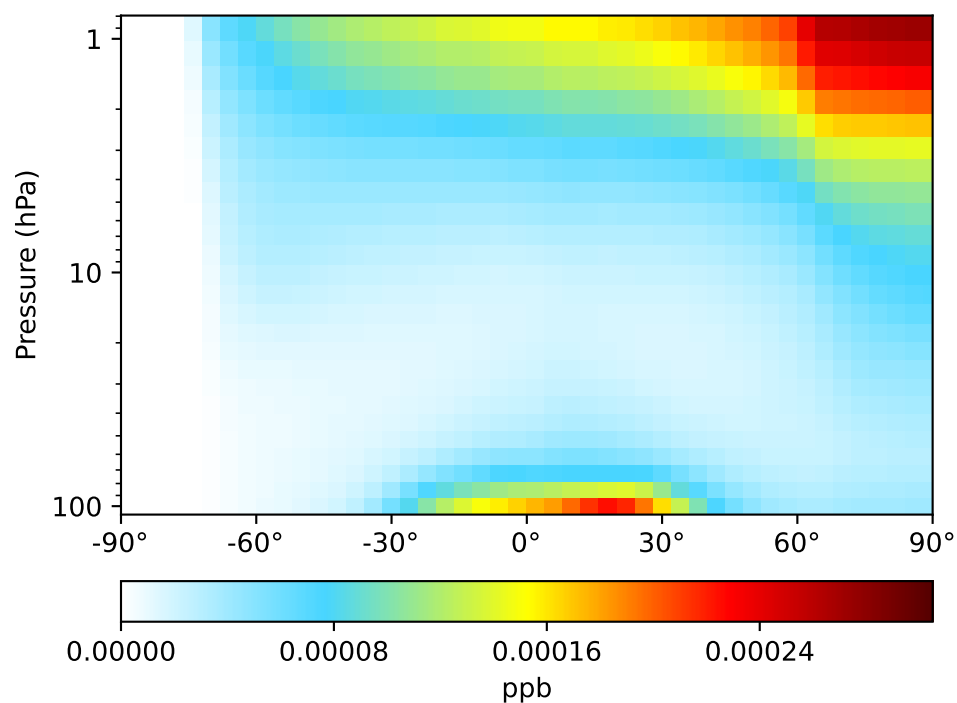


Ratio (1x1.25)  
Dev/Ref, Fixed Range

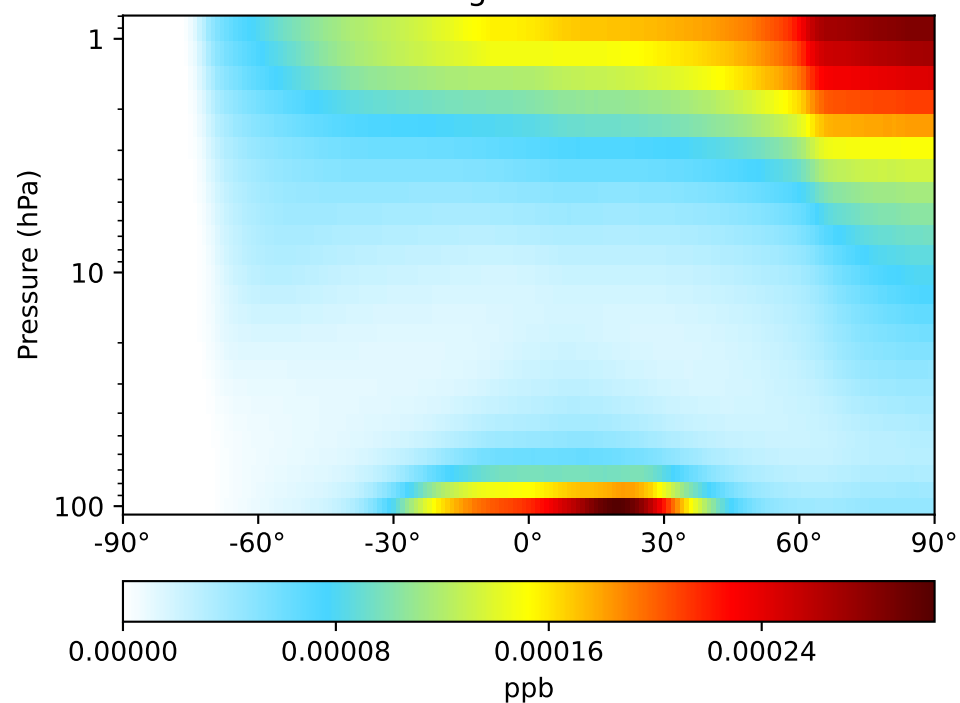


# SpeciesConc\_I, Zonal Mean (Jul2019)

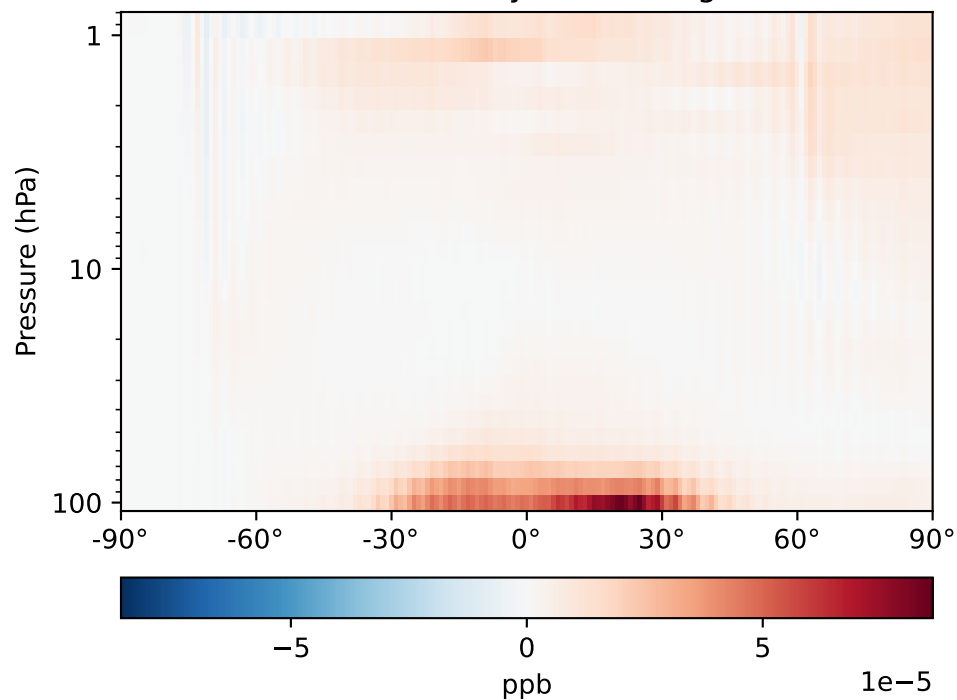
GCC\_13.2.0 (Ref)  
4.0x5.0



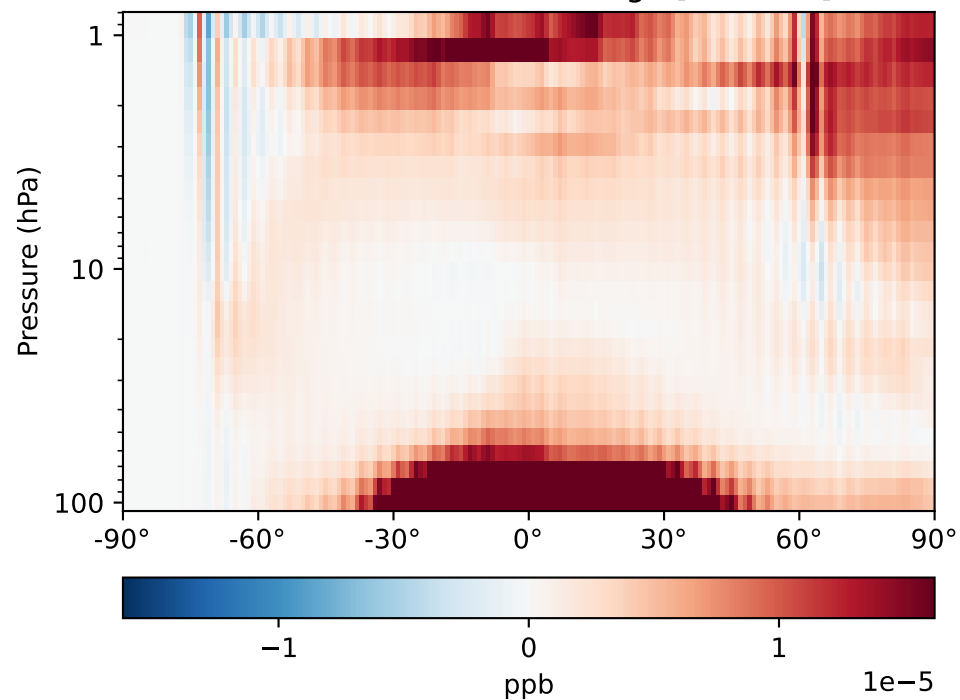
GCHP\_13.2.0 (Dev)  
1x1.25 regrided from c48



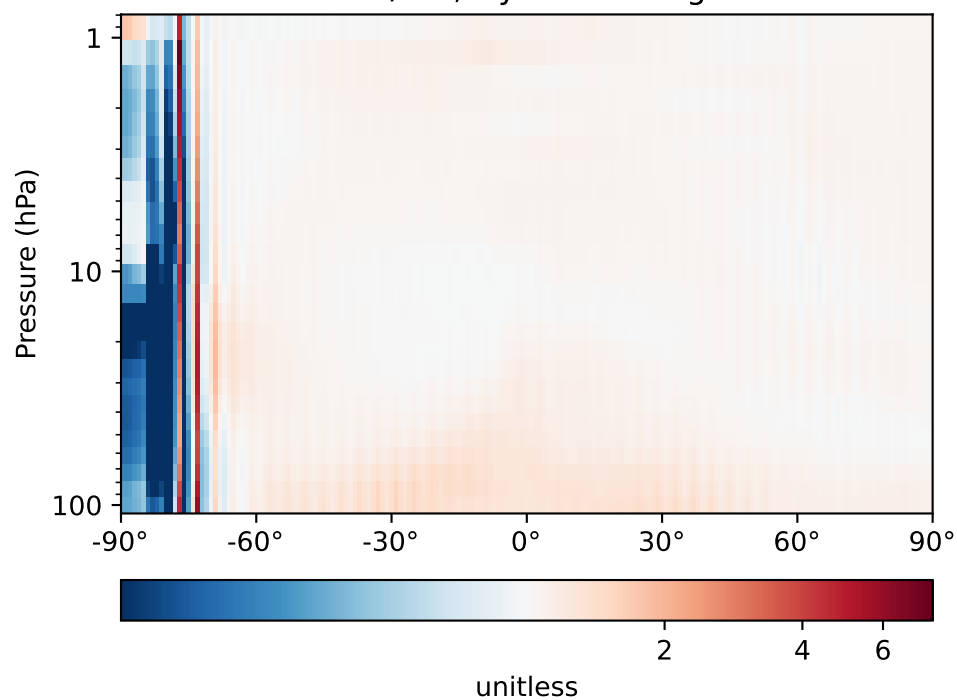
Difference (1x1.25)  
Dev - Ref, Dynamic Range



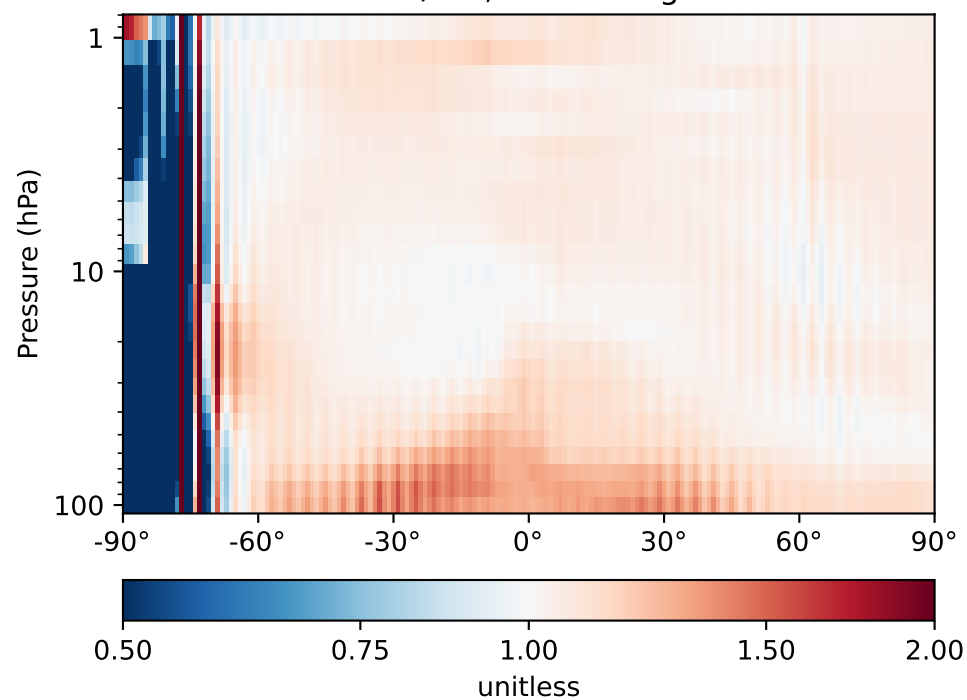
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

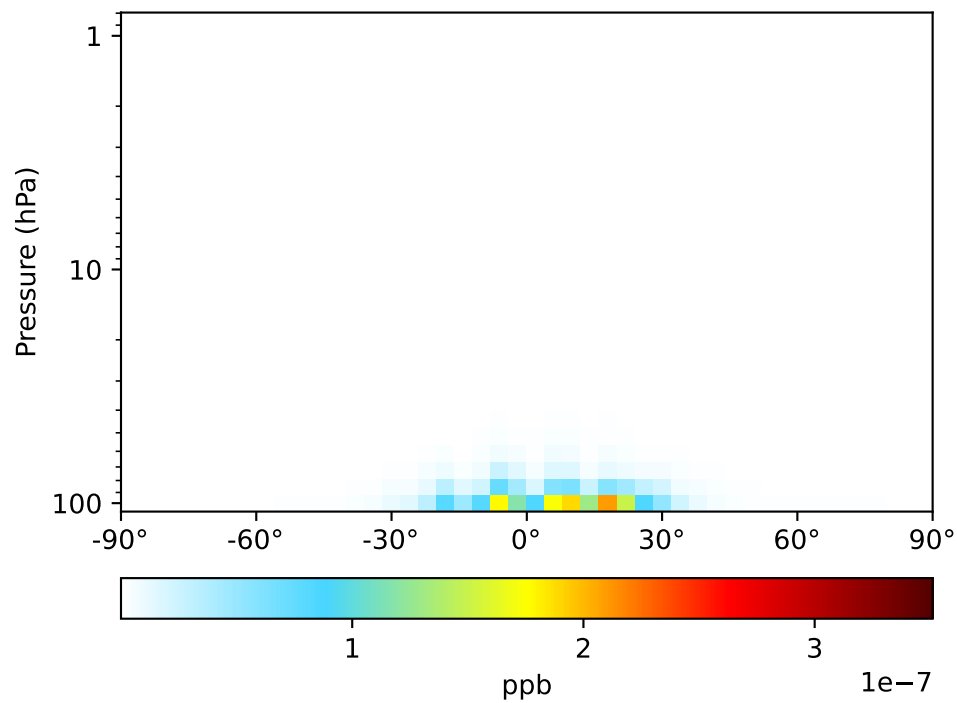


Ratio (1x1.25)  
Dev/Ref, Fixed Range

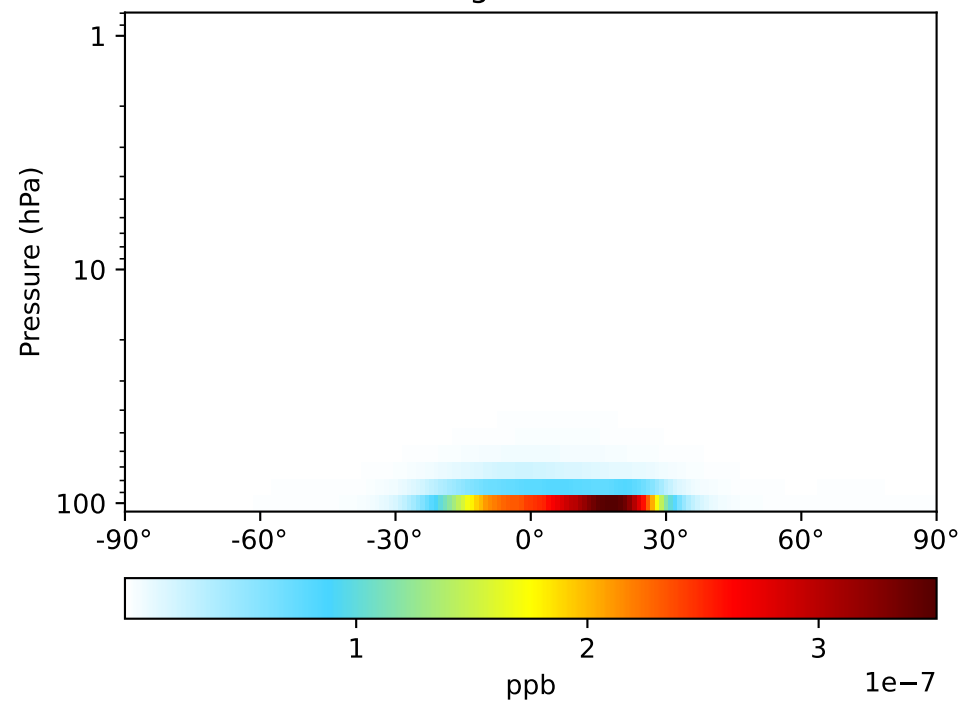


# SpeciesConc\_I2, Zonal Mean (Jul2019)

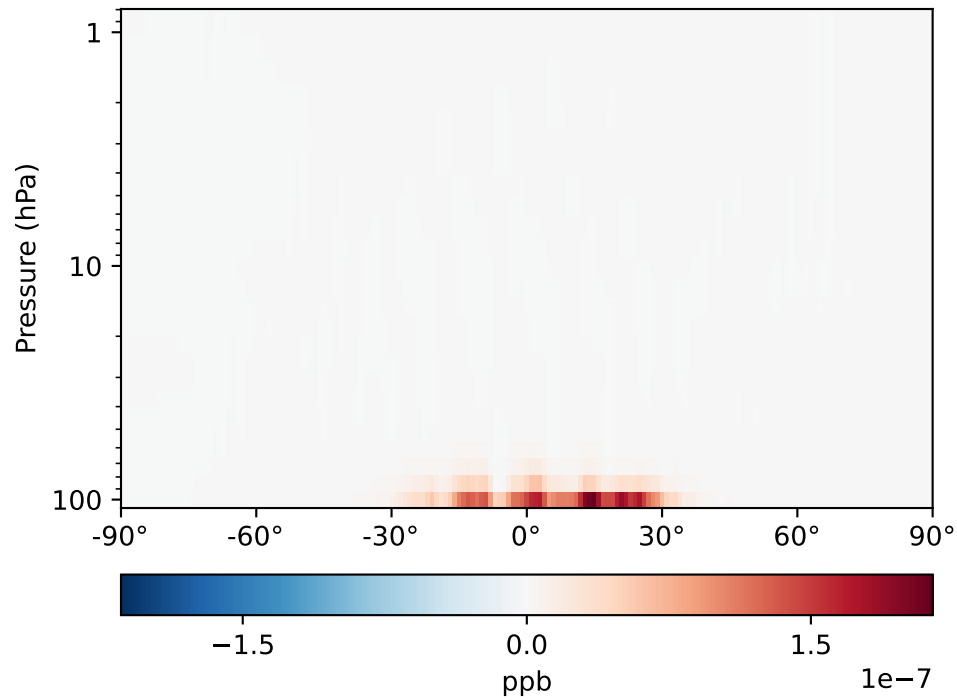
GCC\_13.2.0 (Ref)  
4.0x5.0



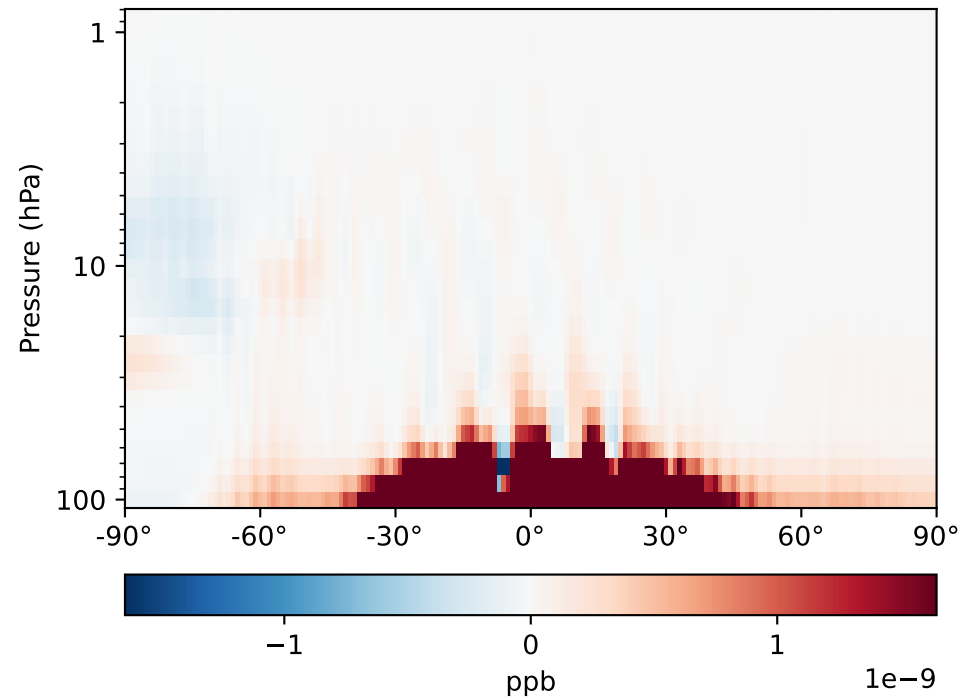
GCHP\_13.2.0 (Dev)  
1x1.25 regrided from c48



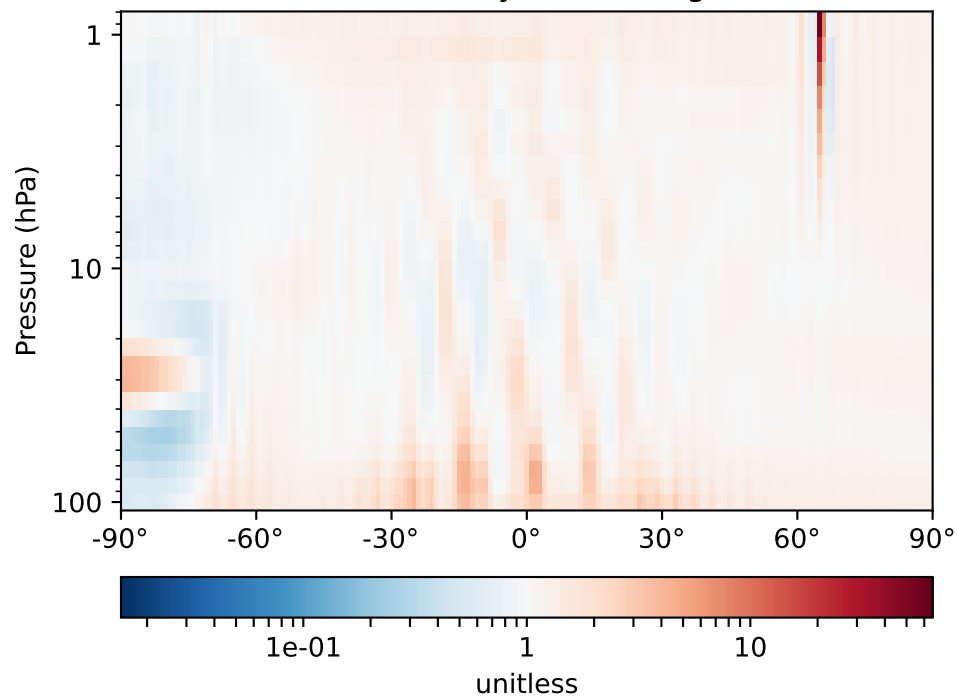
Difference (1x1.25)  
Dev - Ref, Dynamic Range



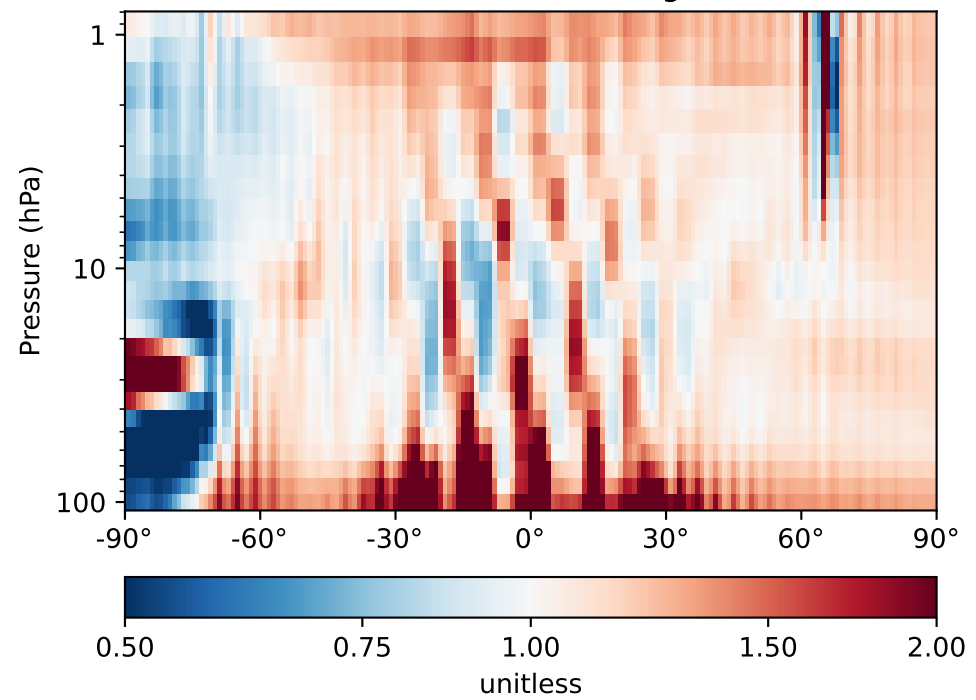
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

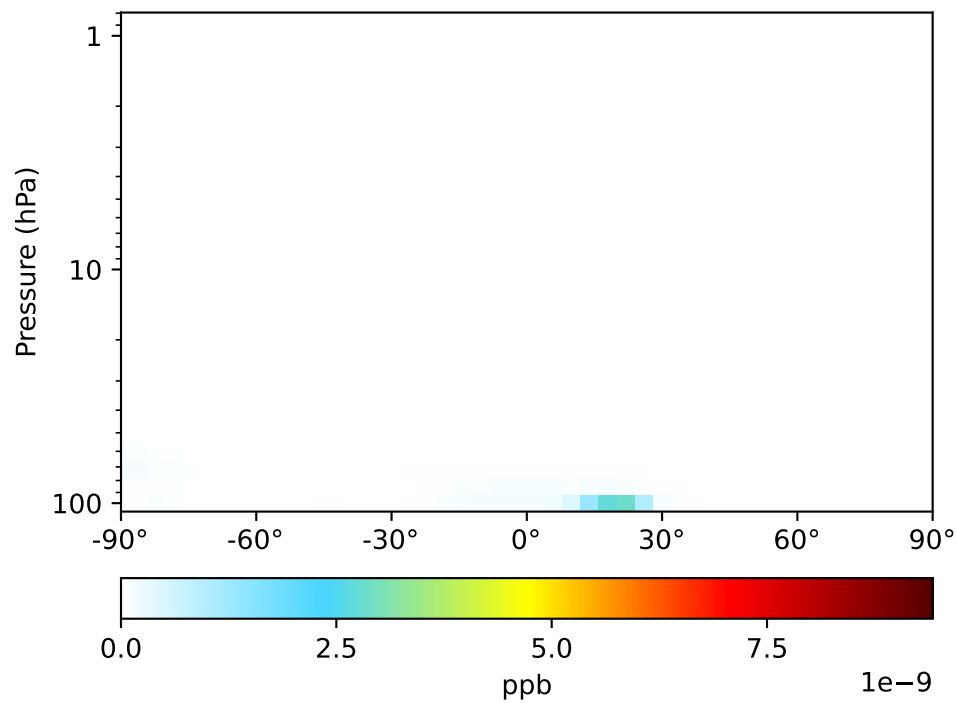


Ratio (1x1.25)  
Dev/Ref, Fixed Range

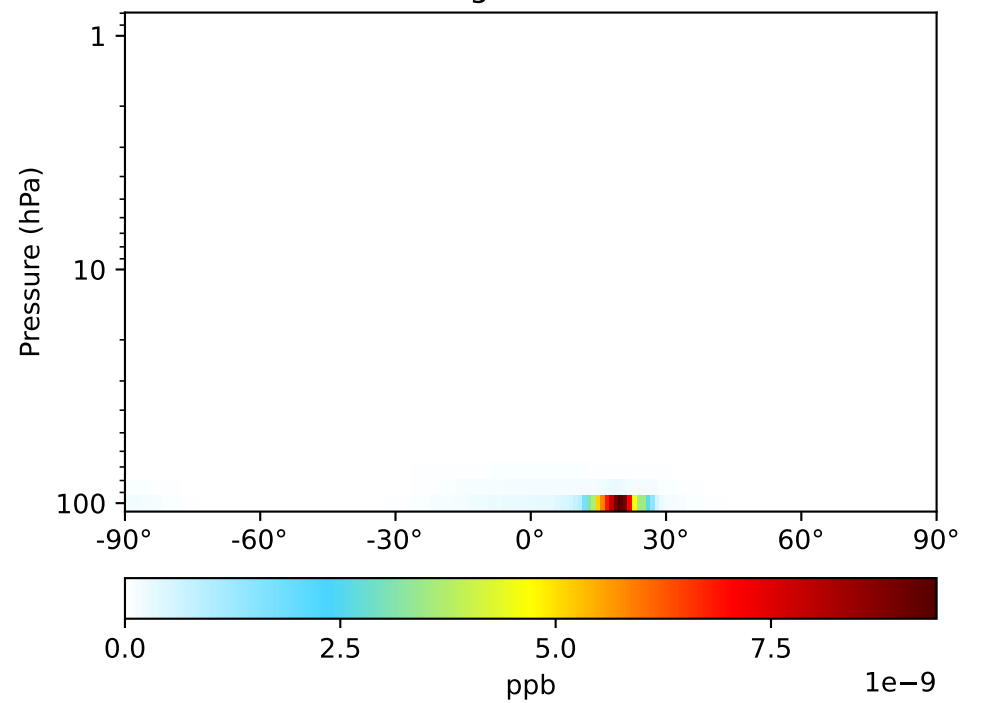


# SpeciesConc\_IBr, Zonal Mean (Jul2019)

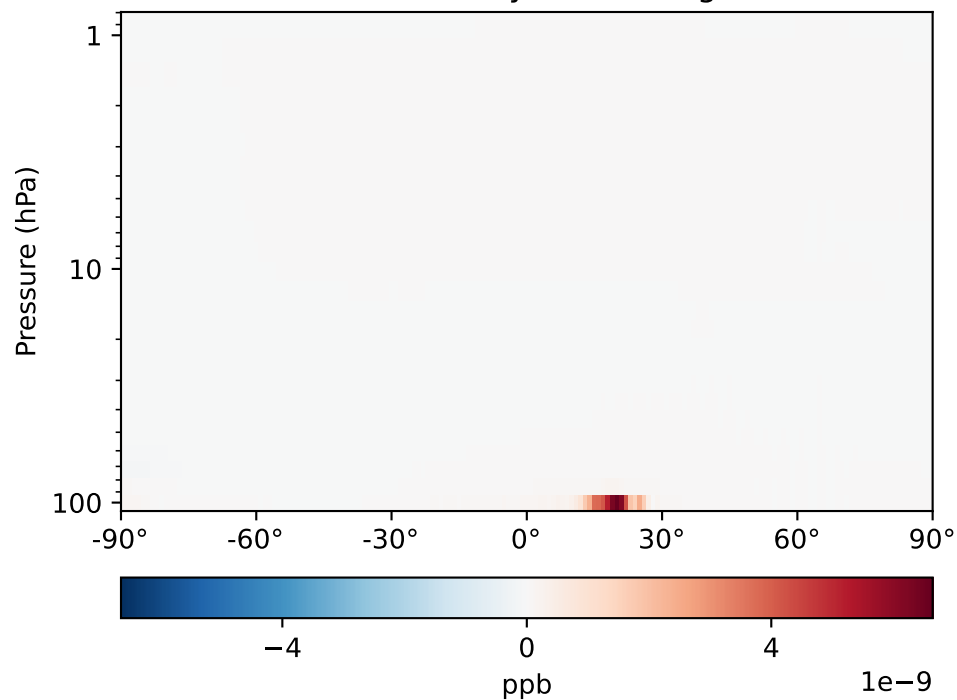
GCC\_13.2.0 (Ref)  
4.0x5.0



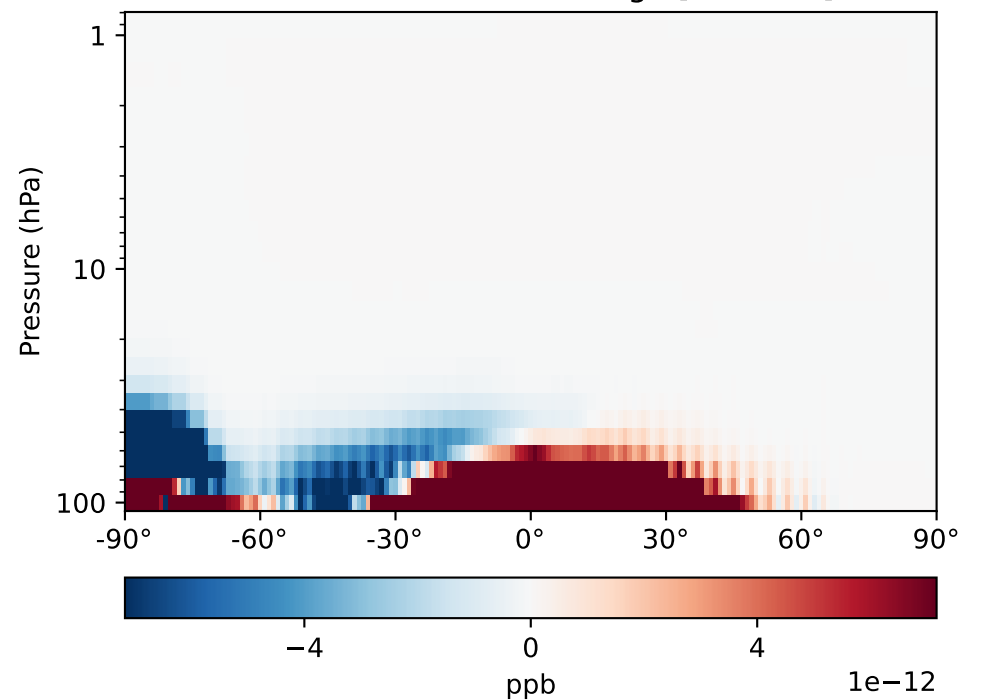
GCHP\_13.2.0 (Dev)  
1x1.25 regrided from c48



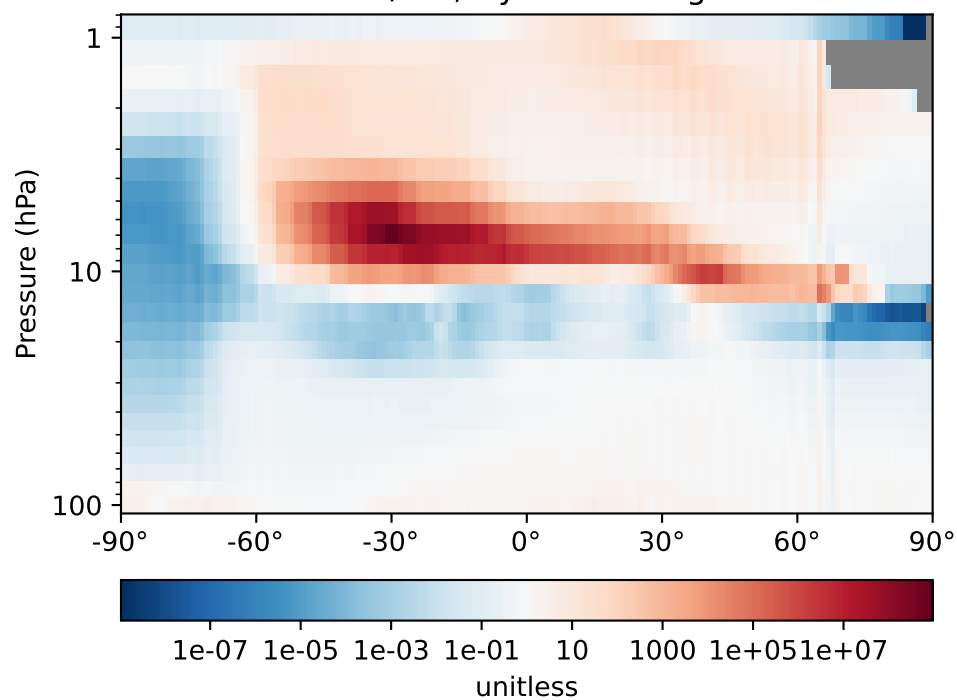
Difference (1x1.25)  
Dev - Ref, Dynamic Range



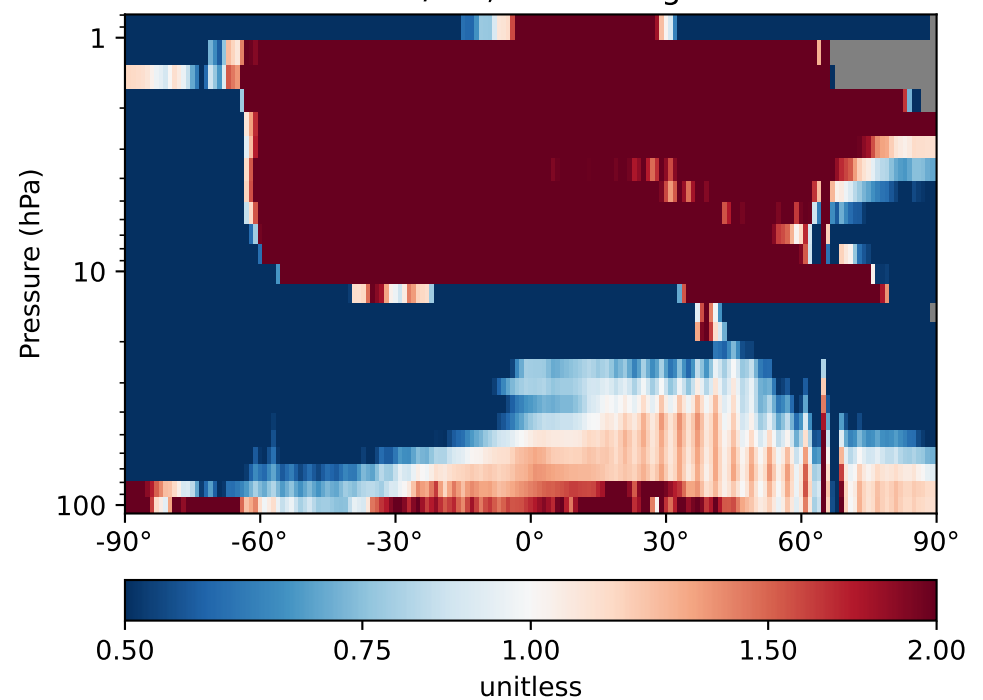
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

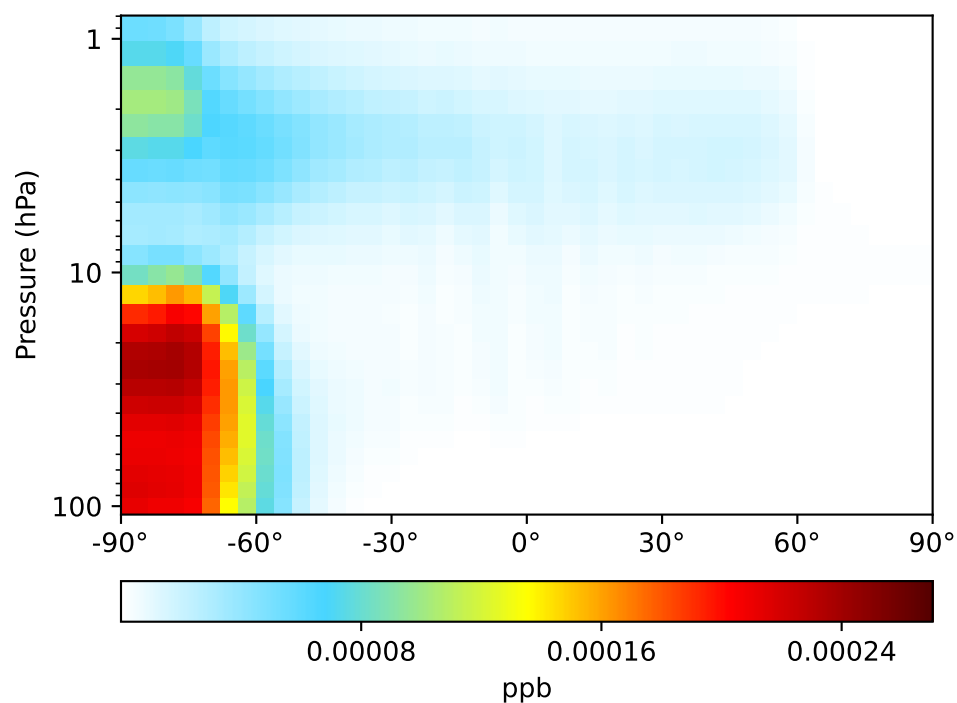


Ratio (1x1.25)  
Dev/Ref, Fixed Range

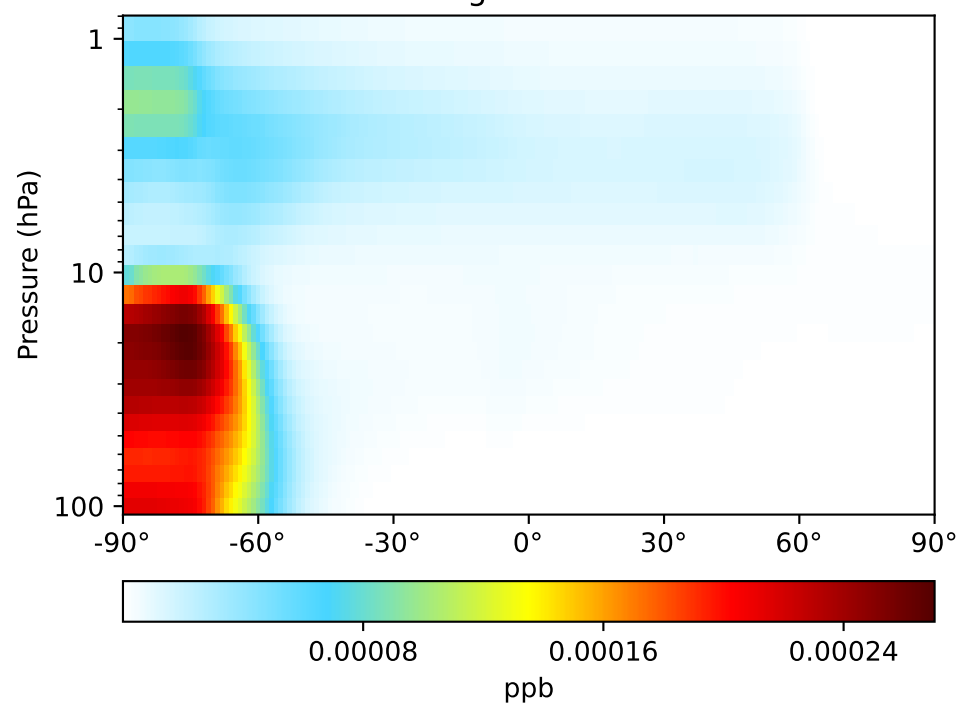


# SpeciesConc\_ICl, Zonal Mean (Jul2019)

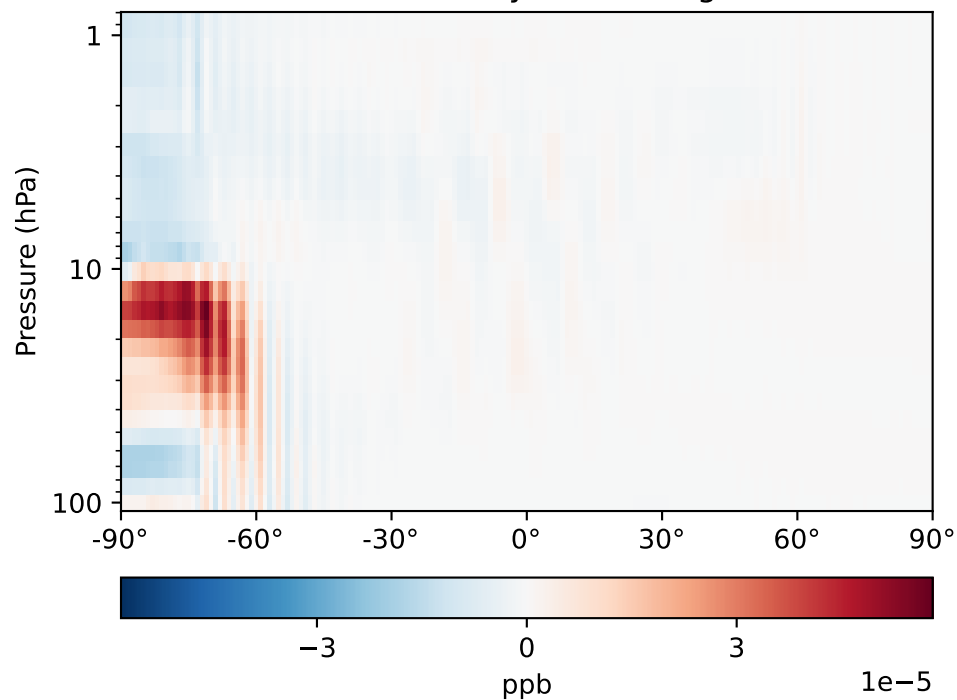
GCC\_13.2.0 (Ref)  
4.0x5.0



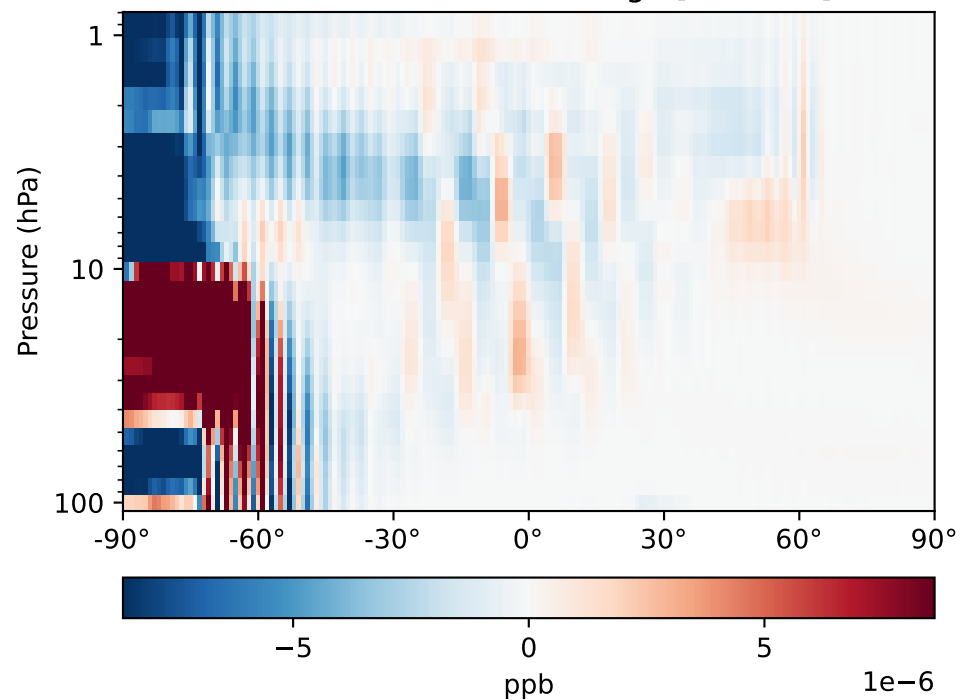
GCHP\_13.2.0 (Dev)  
1x1.25 regrided from c48



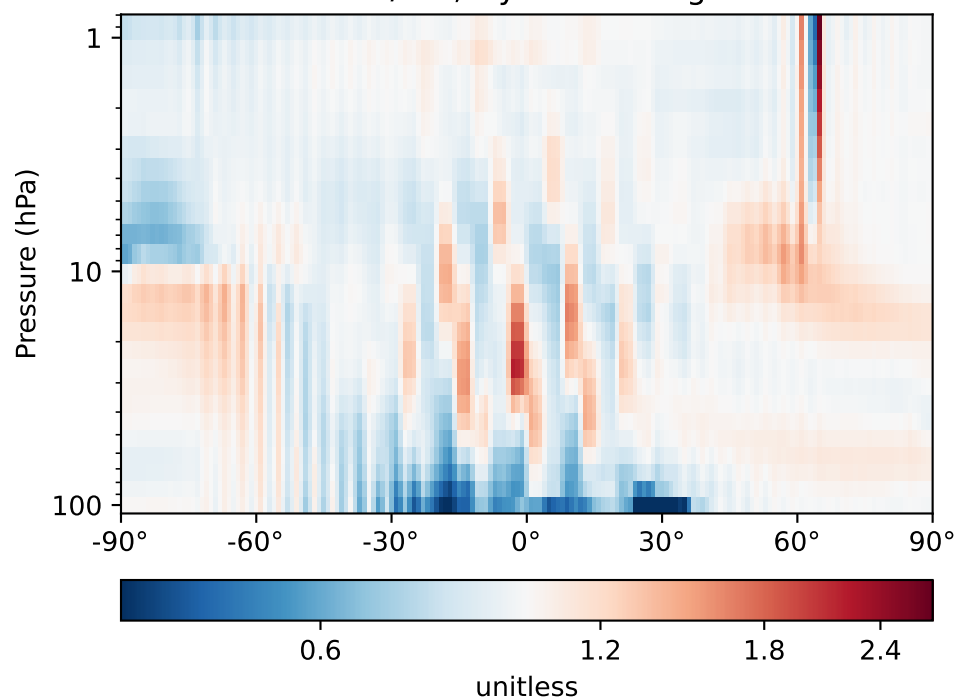
Difference (1x1.25)  
Dev - Ref, Dynamic Range



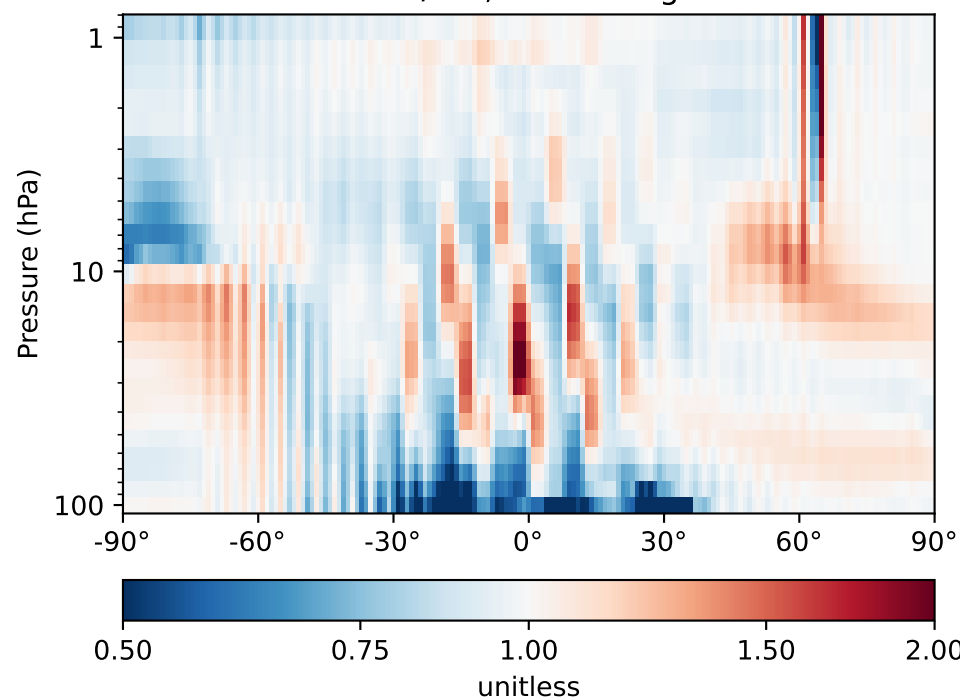
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

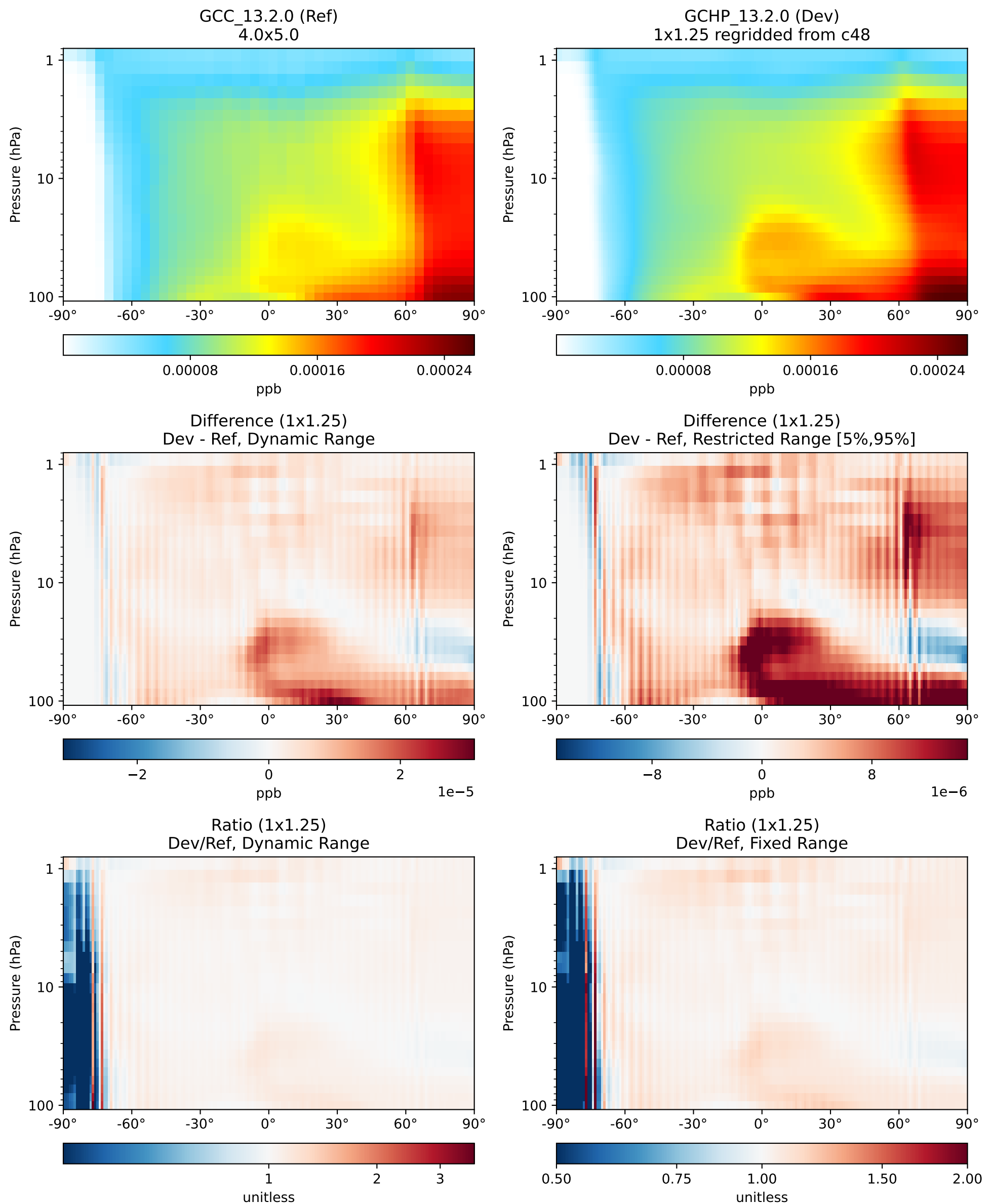


Ratio (1x1.25)  
Dev/Ref, Fixed Range



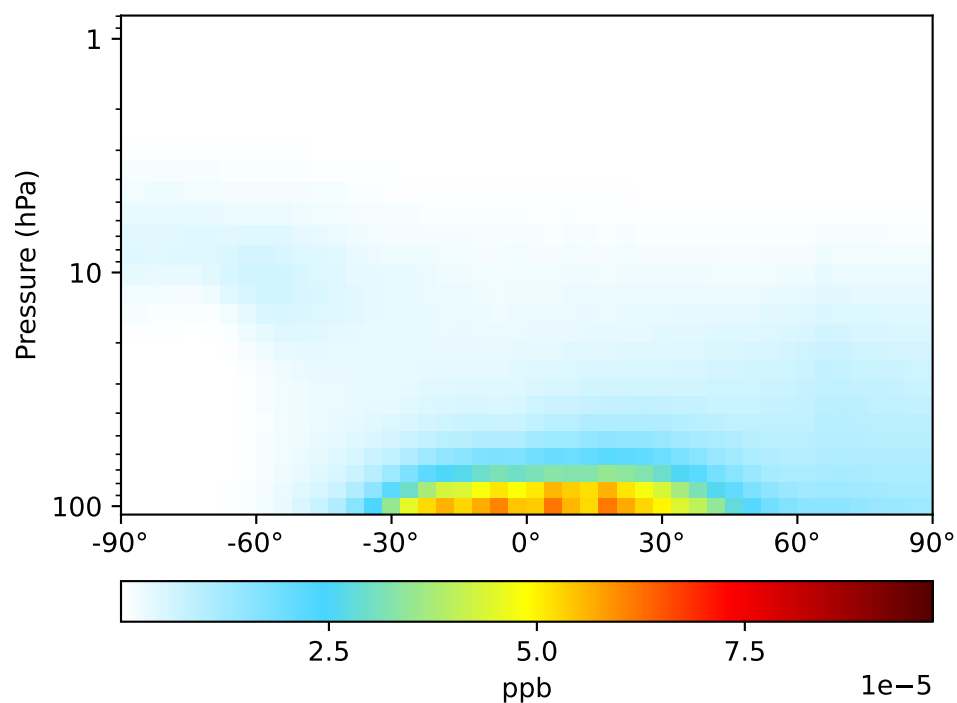


# SpeciesConc\_IO, Zonal Mean (Jul2019)

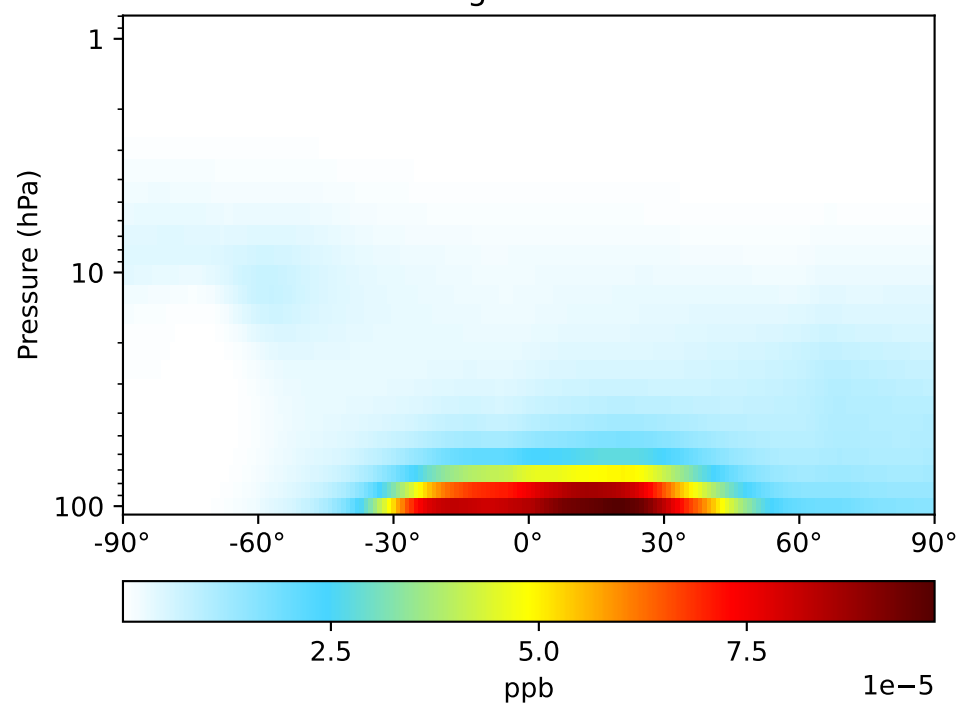


# SpeciesConc\_IONO, Zonal Mean (Jul2019)

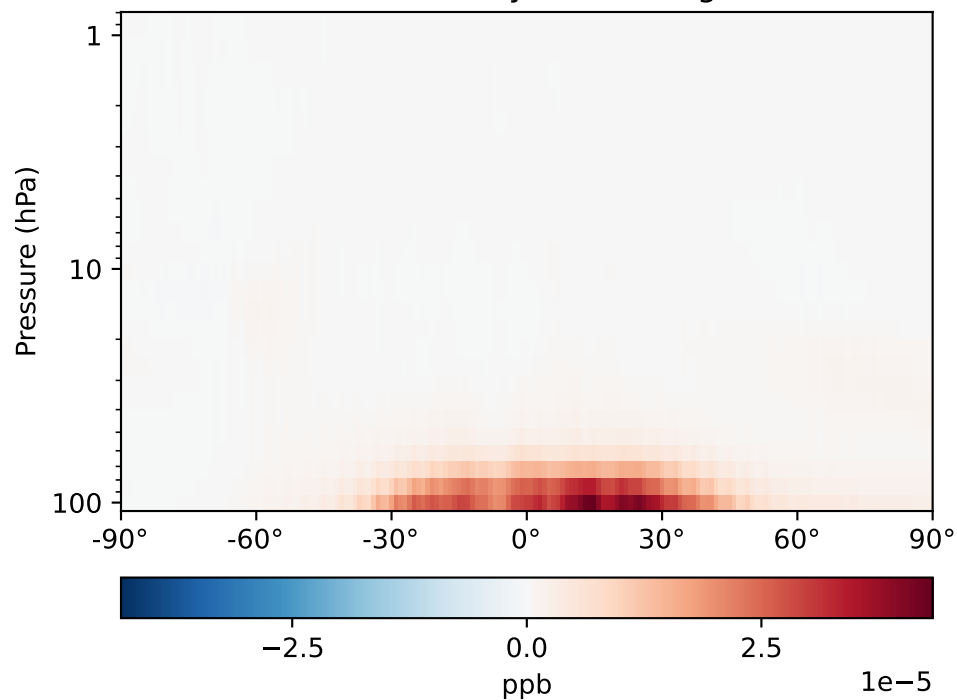
GCC\_13.2.0 (Ref)  
4.0x5.0



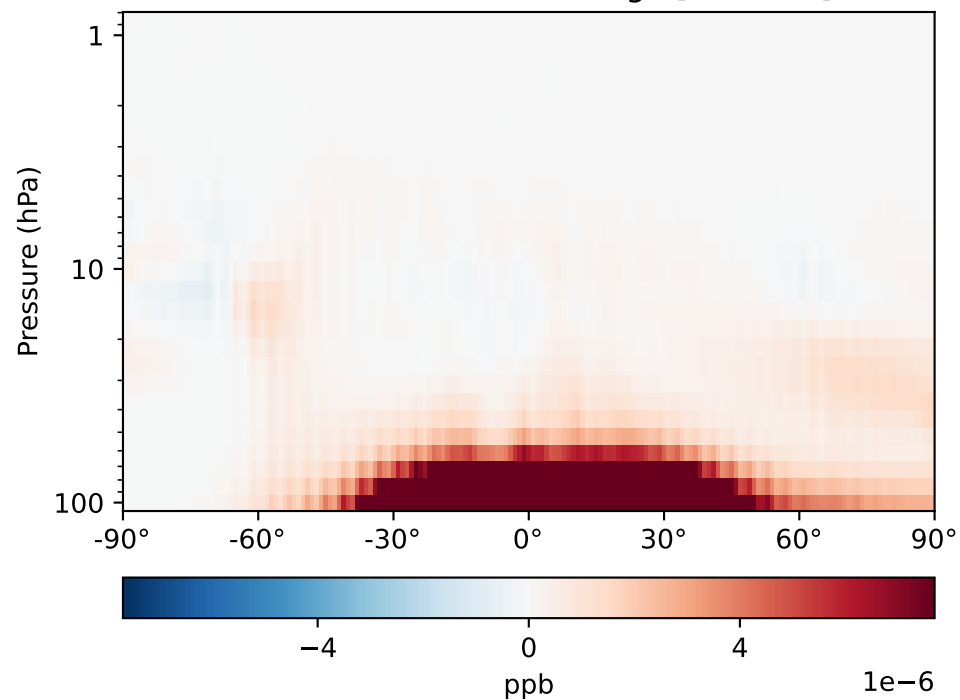
GCHP\_13.2.0 (Dev)  
1x1.25 regrided from c48



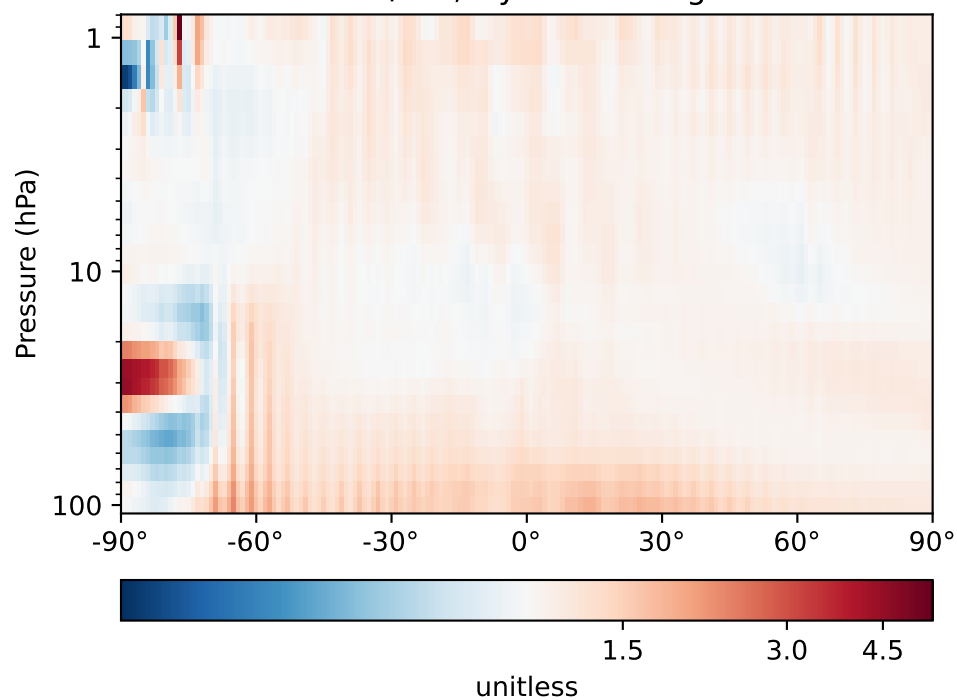
Difference (1x1.25)  
Dev - Ref, Dynamic Range



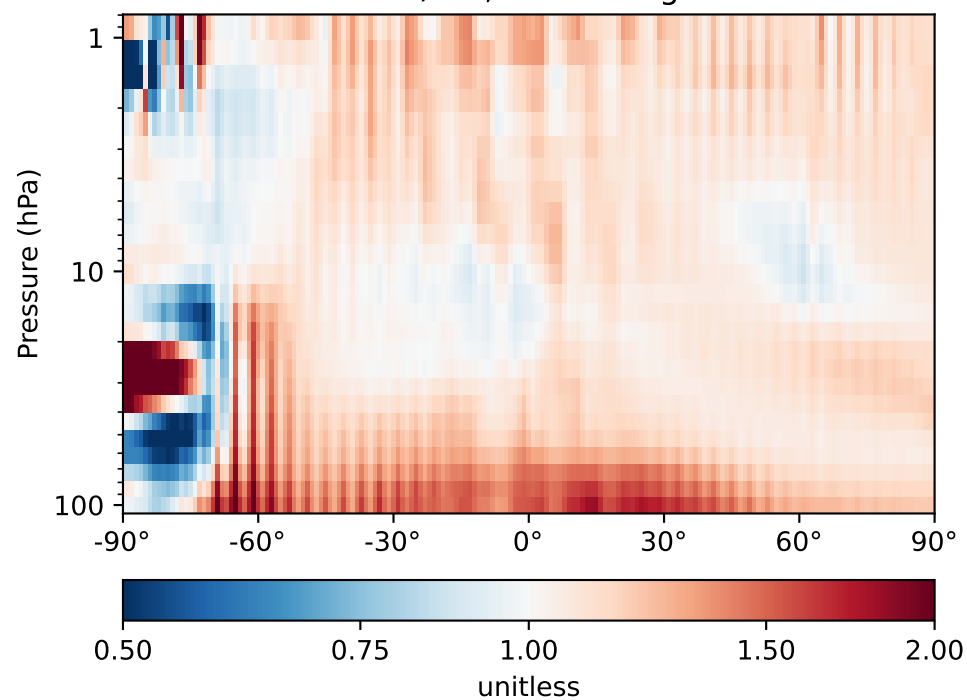
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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



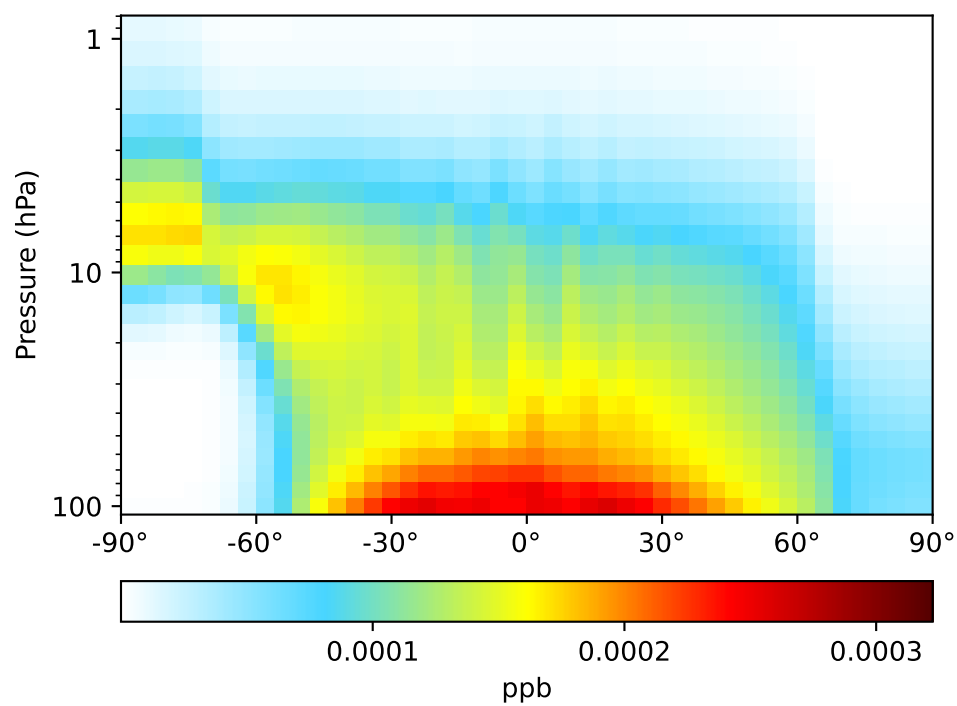
Ratio (1x1.25)  
Dev/Ref, Fixed Range



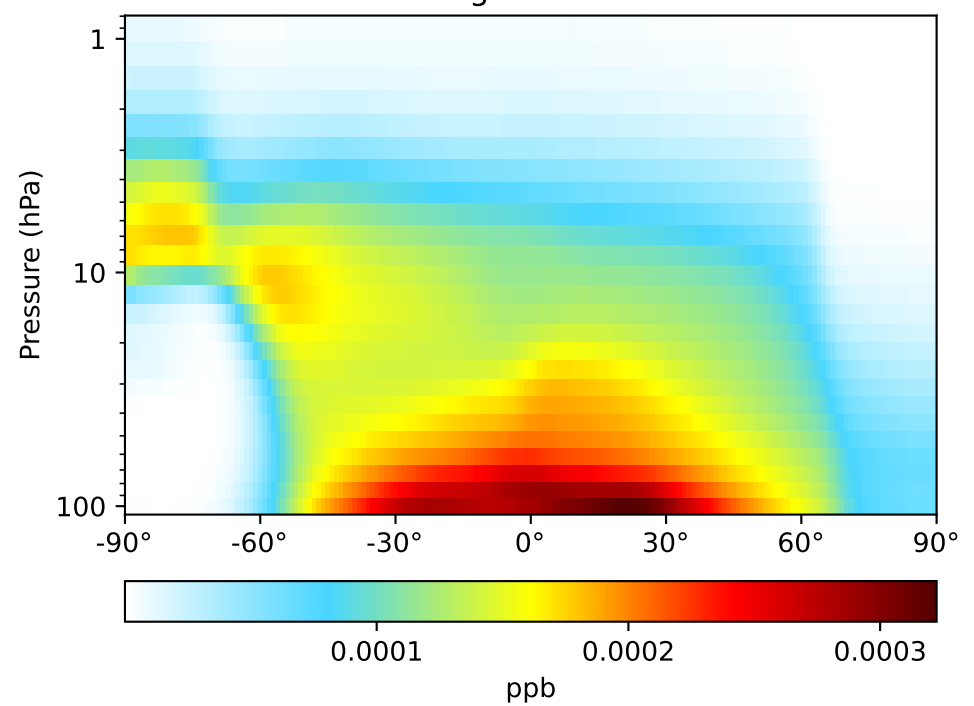


# SpeciesConc\_IONO2, Zonal Mean (Jul2019)

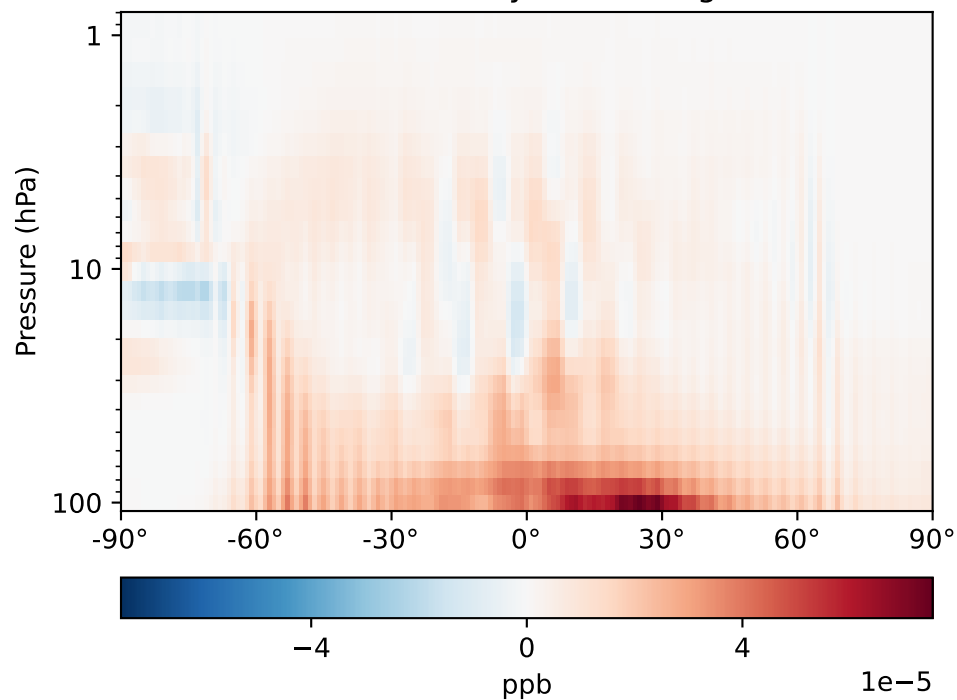
GCC\_13.2.0 (Ref)  
4.0x5.0



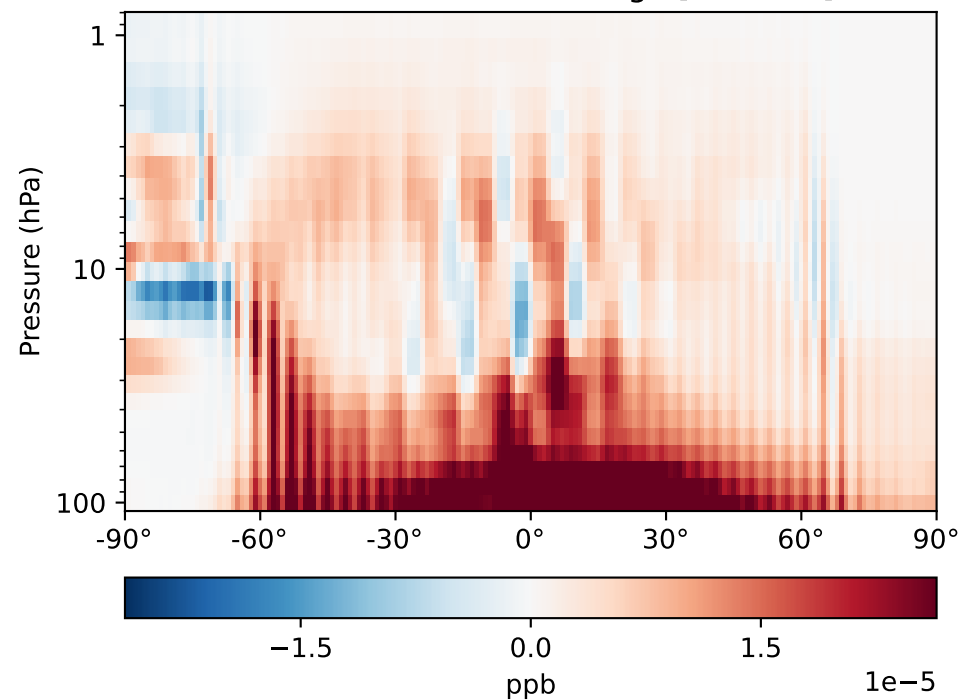
GCHP\_13.2.0 (Dev)  
1x1.25 regrided from c48



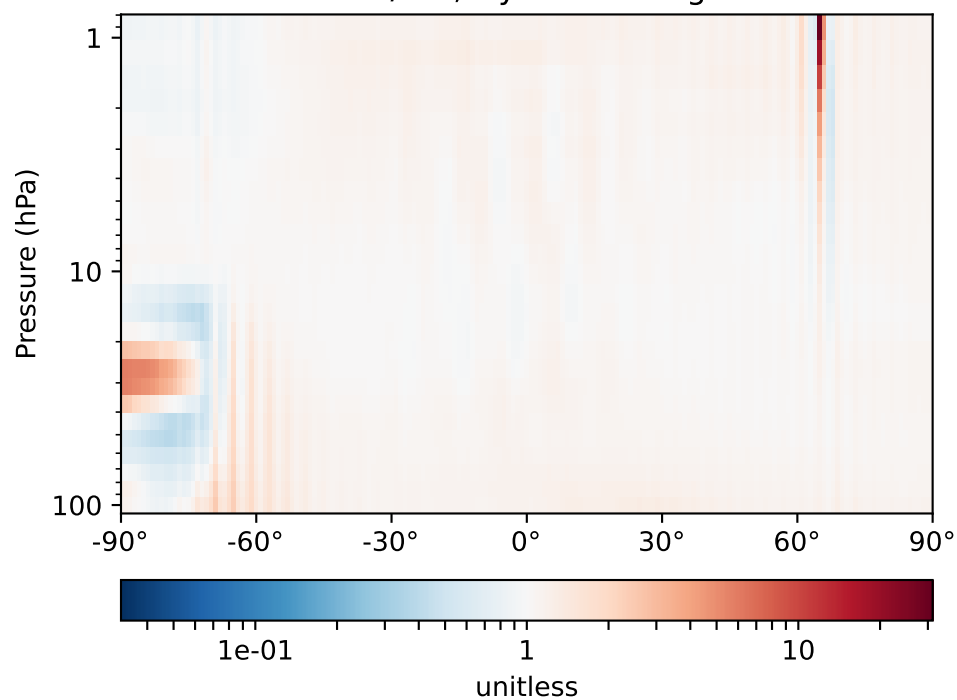
Difference (1x1.25)  
Dev - Ref, Dynamic Range



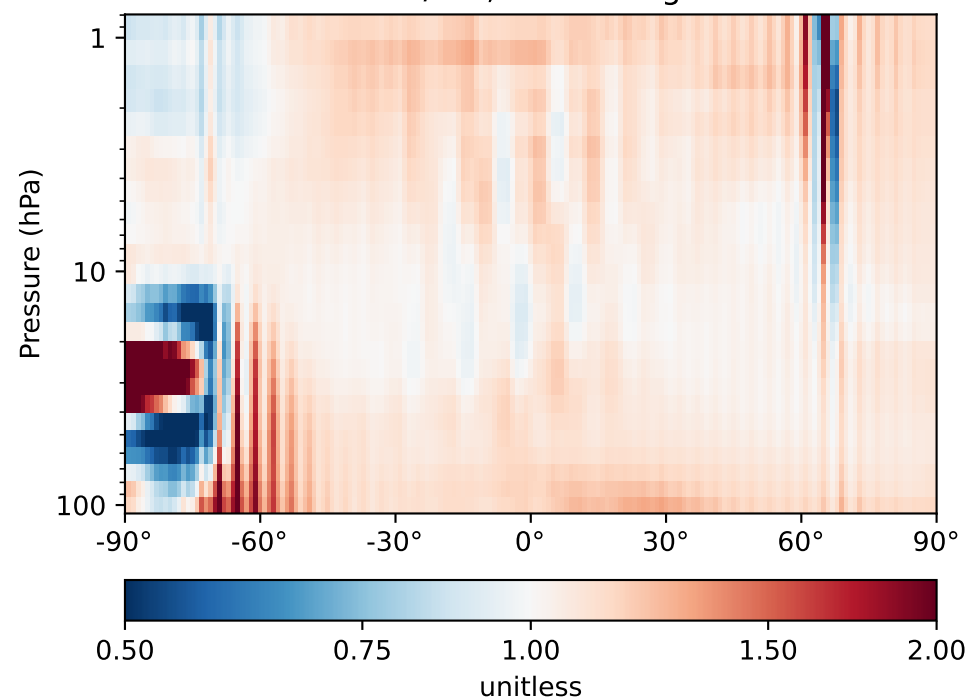
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

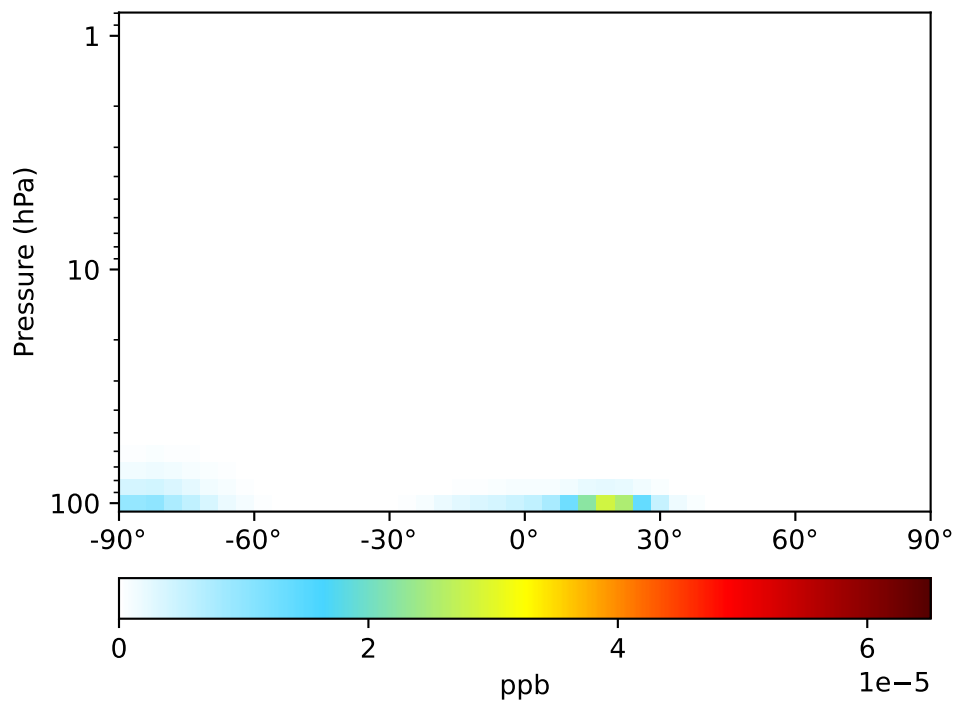


Ratio (1x1.25)  
Dev/Ref, Fixed Range

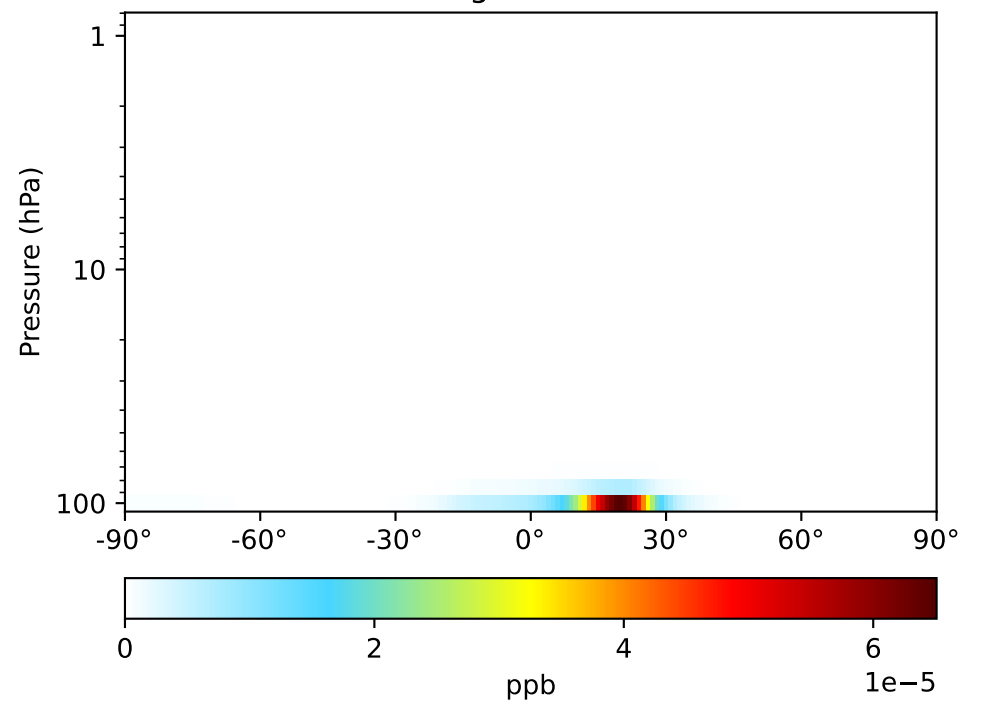


# SpeciesConc\_CH3I, Zonal Mean (Jul2019)

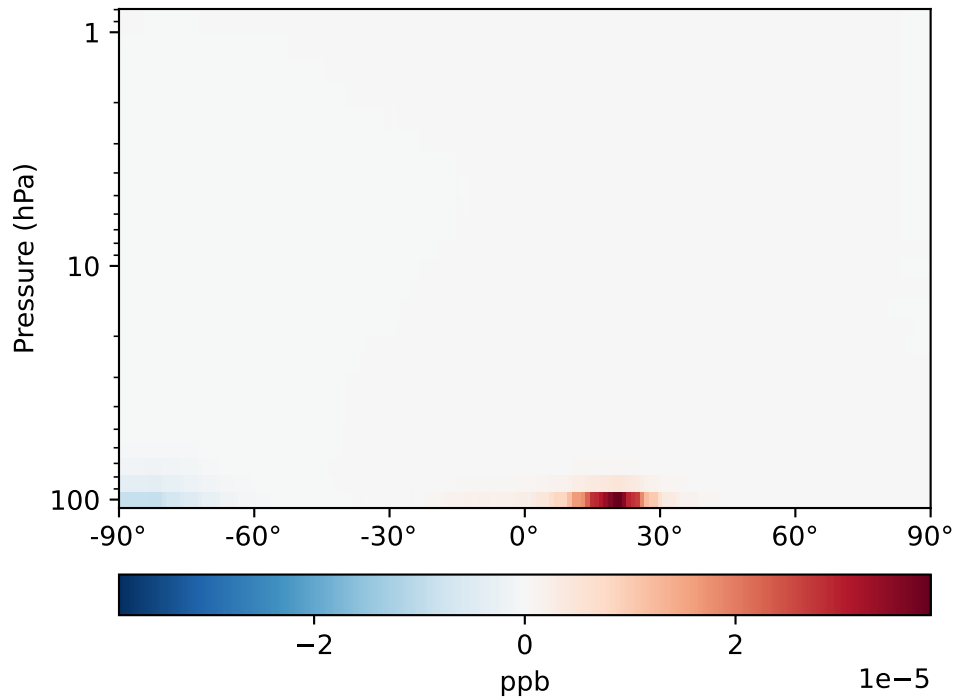
GCC\_13.2.0 (Ref)  
4.0x5.0



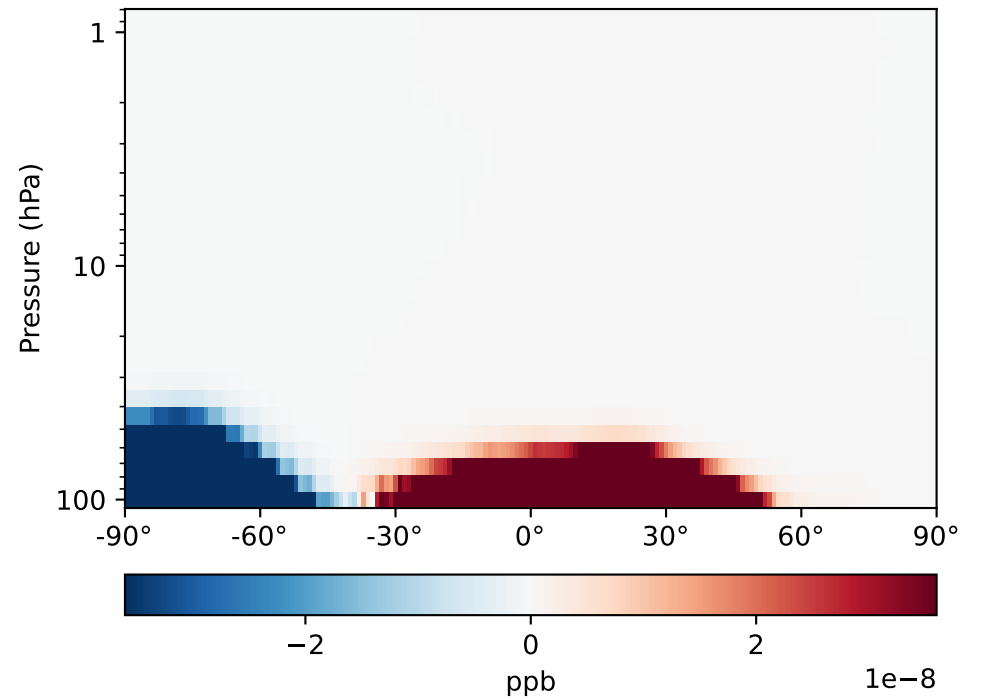
GCHP\_13.2.0 (Dev)  
1x1.25 regrided from c48



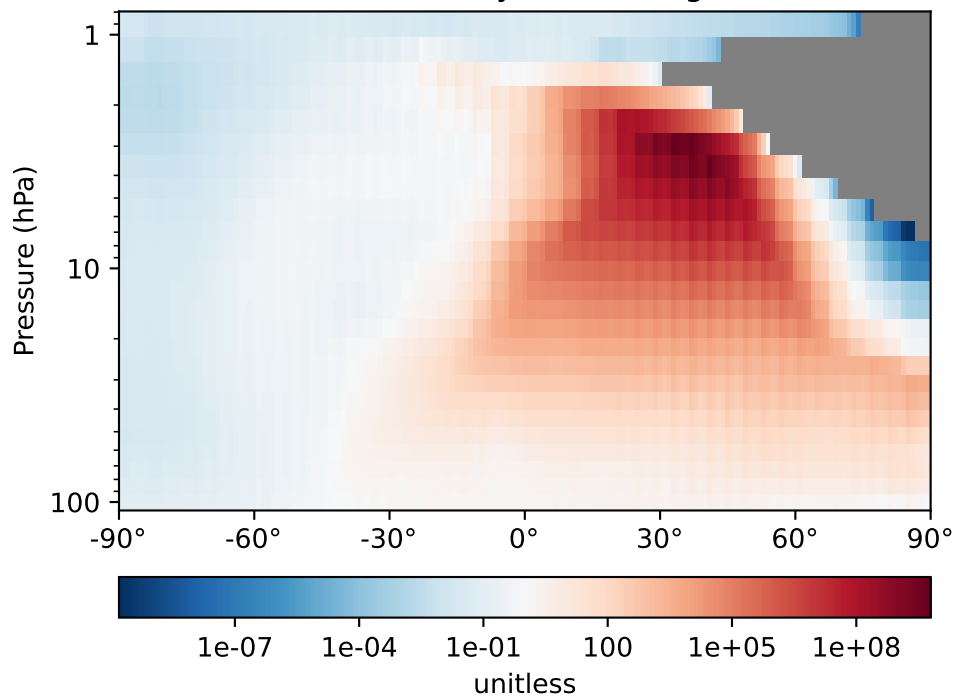
Difference (1x1.25)  
Dev - Ref, Dynamic Range



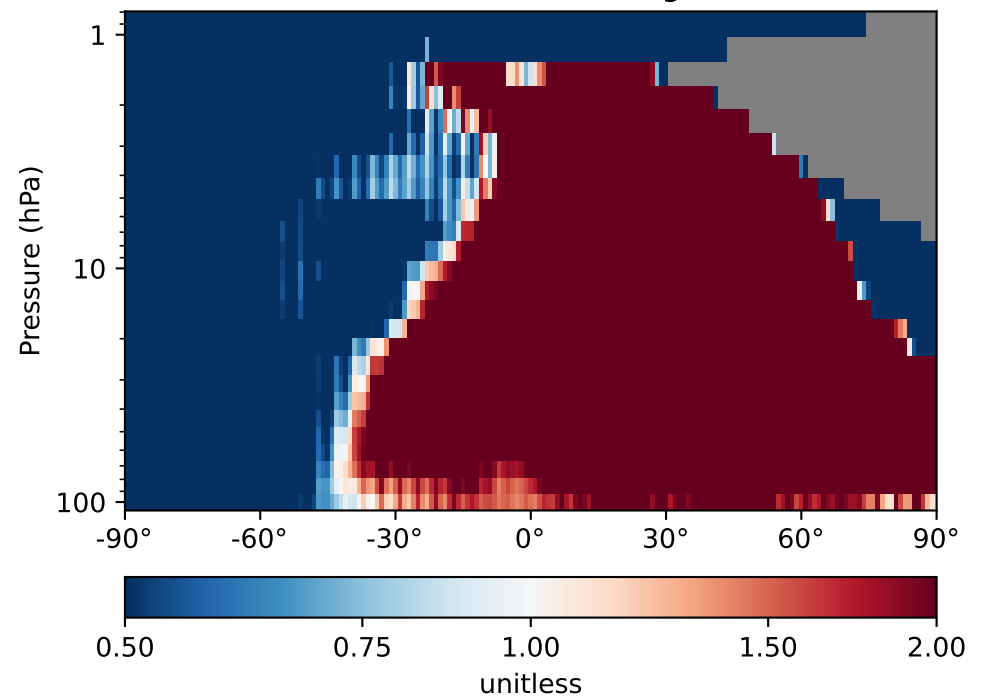
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

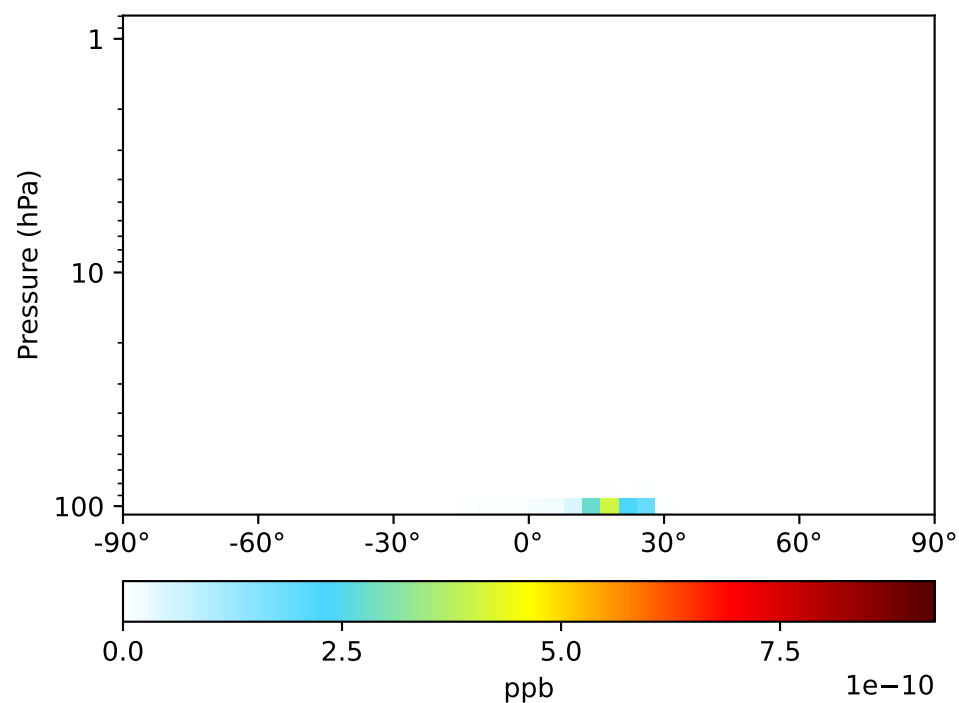


Ratio (1x1.25)  
Dev/Ref, Fixed Range

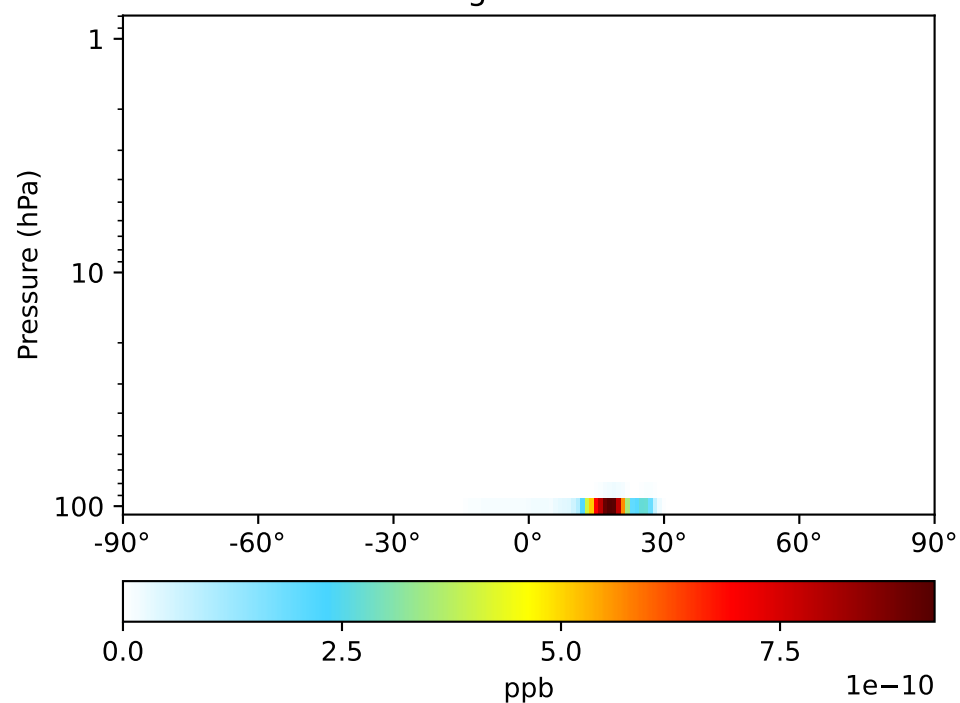


# SpeciesConc\_CH2I2, Zonal Mean (Jul2019)

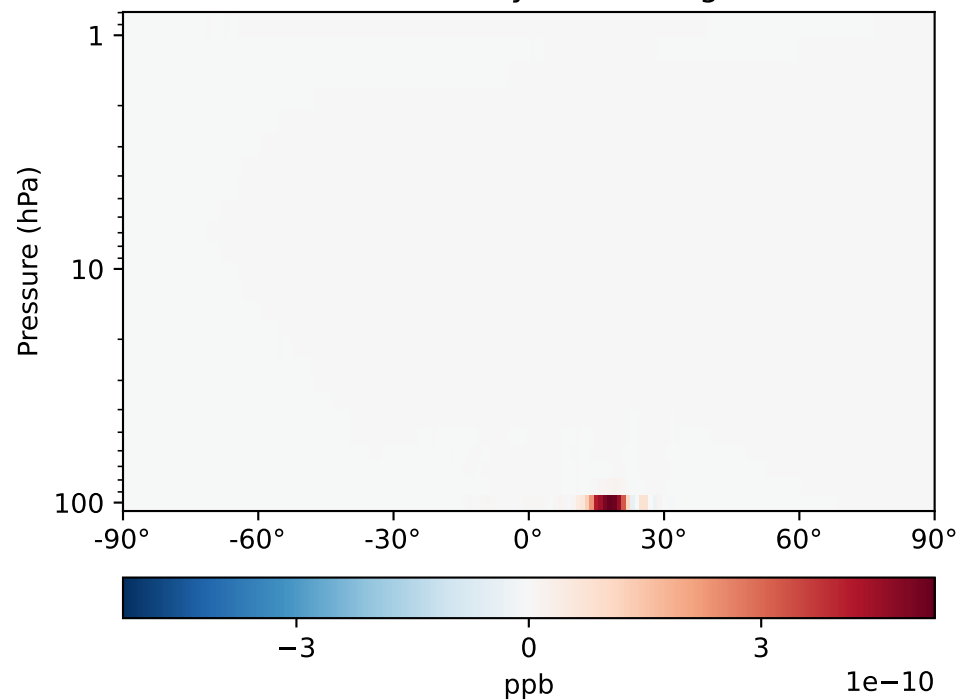
GCC\_13.2.0 (Ref)  
4.0x5.0



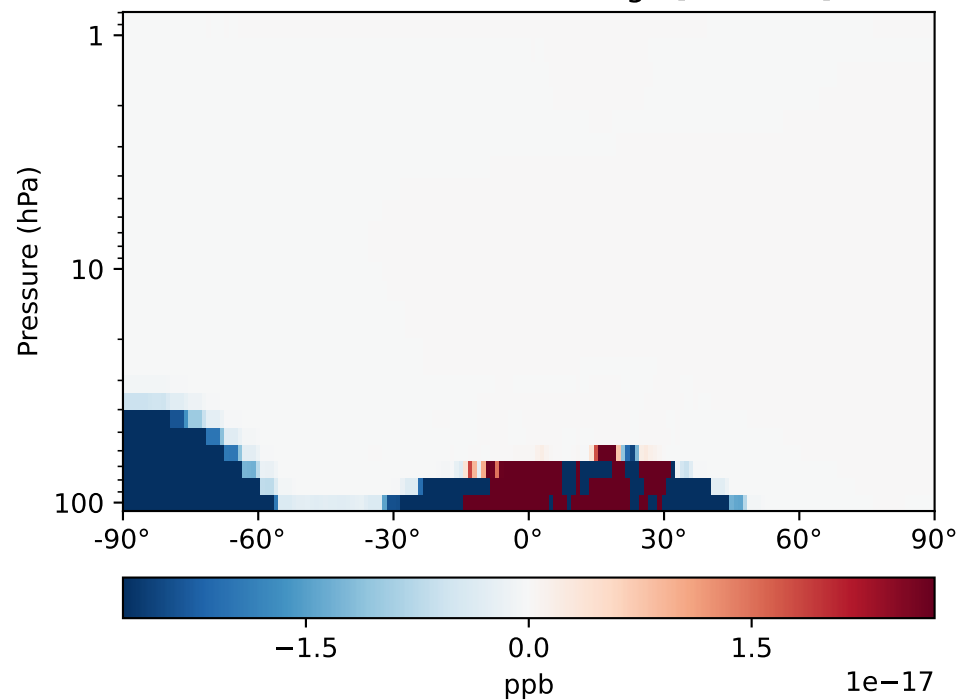
GCHP\_13.2.0 (Dev)  
1x1.25 regrided from c48



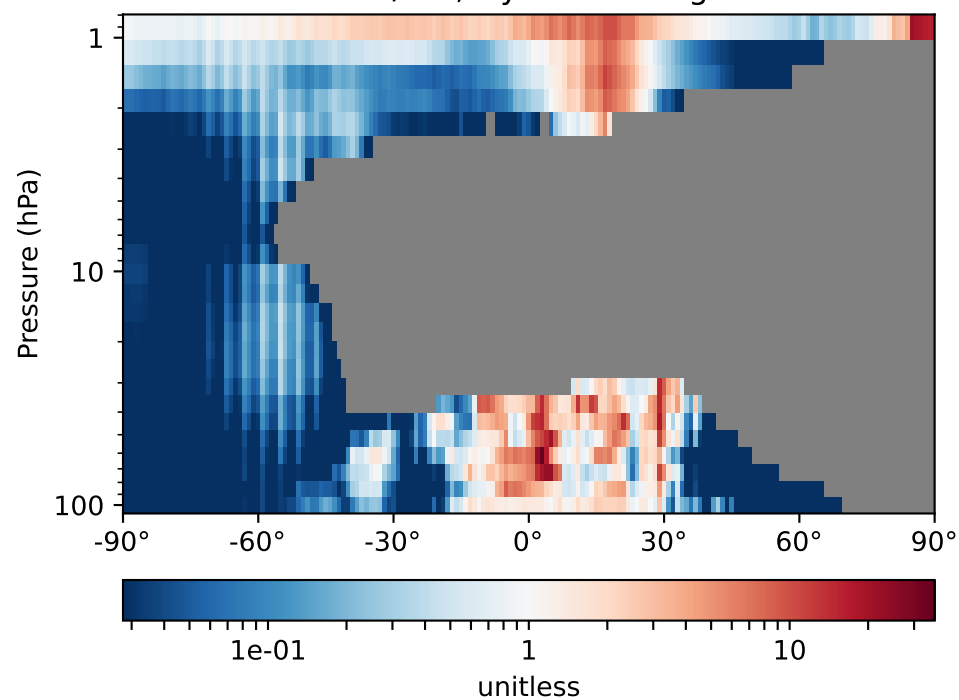
Difference (1x1.25)  
Dev - Ref, Dynamic Range



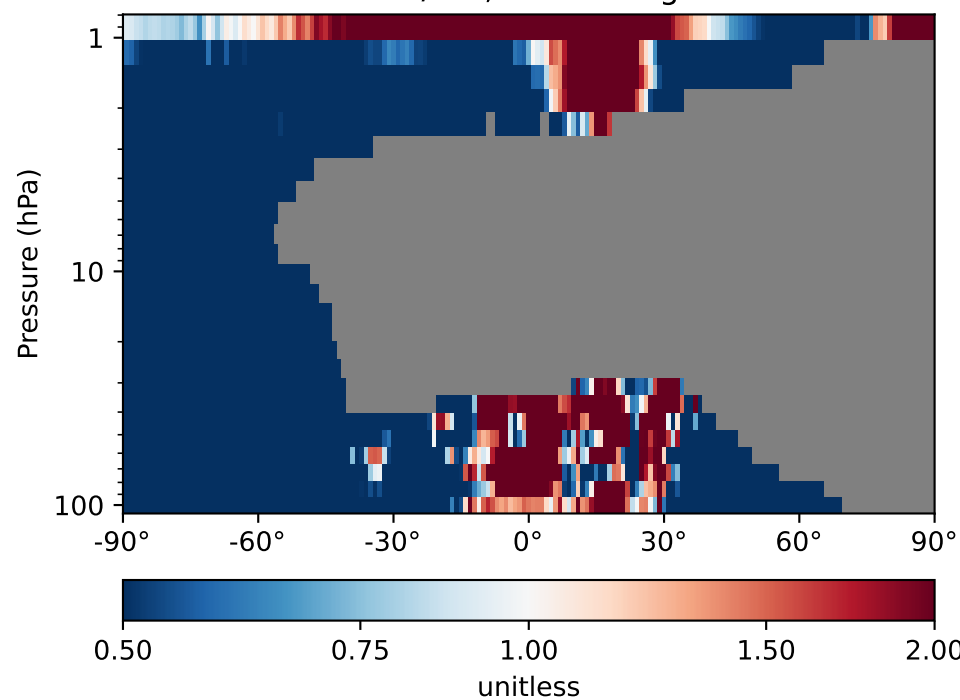
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

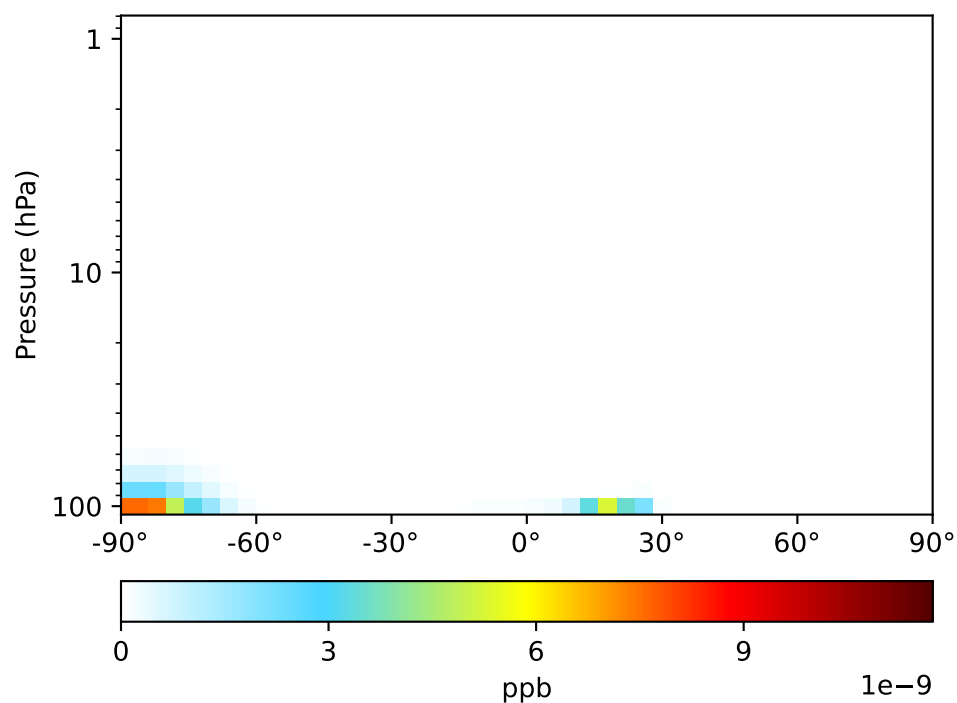


Ratio (1x1.25)  
Dev/Ref, Fixed Range

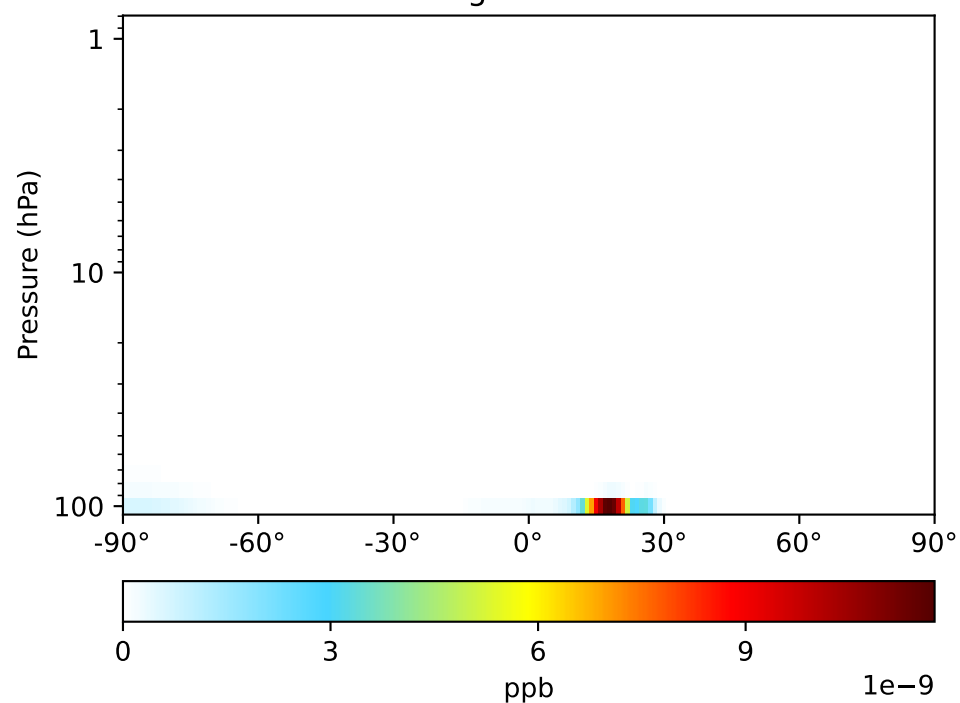


# SpeciesConc\_CH2ICl, Zonal Mean (Jul2019)

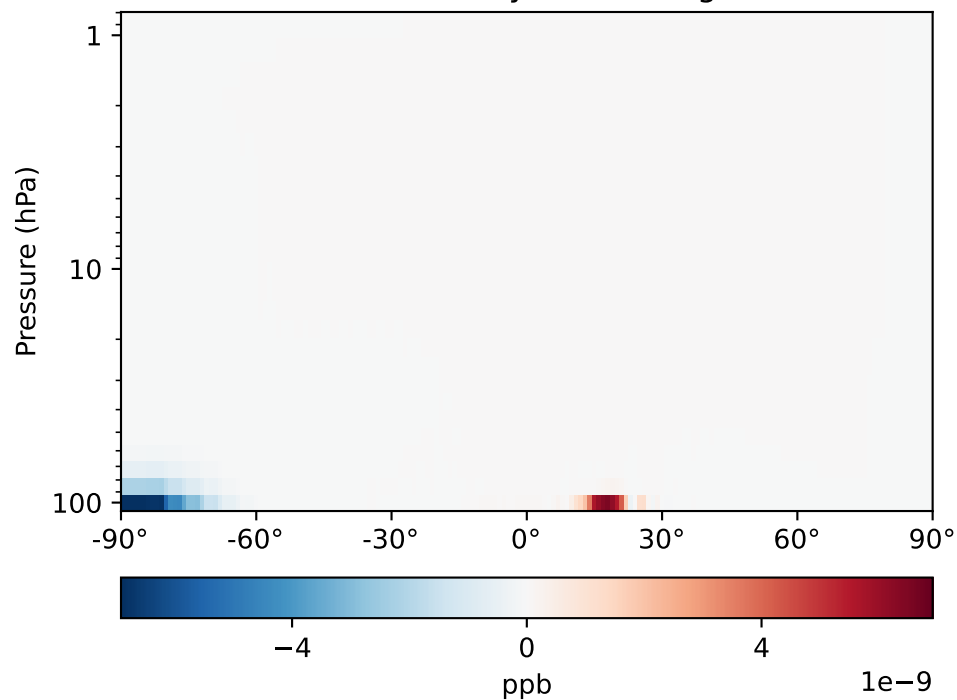
GCC\_13.2.0 (Ref)  
4.0x5.0



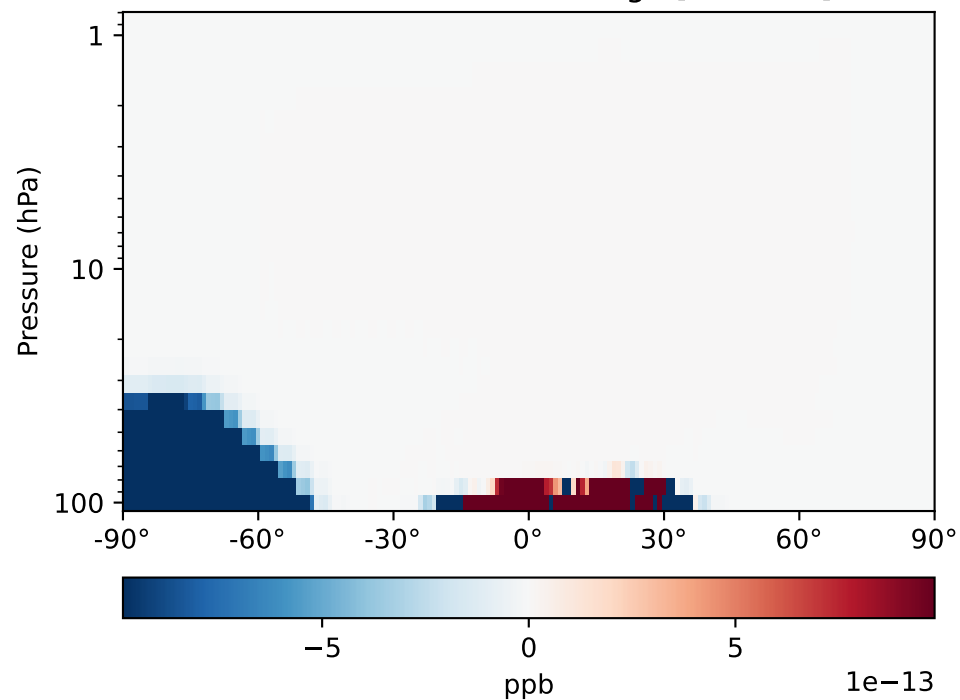
GCHP\_13.2.0 (Dev)  
1x1.25 regrided from c48



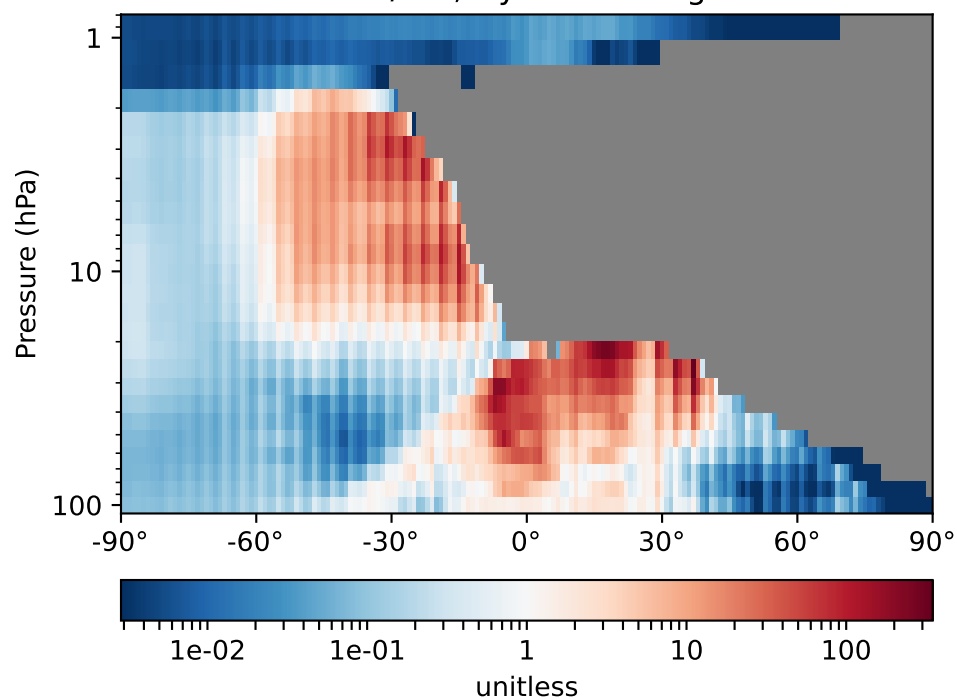
Difference (1x1.25)  
Dev - Ref, Dynamic Range



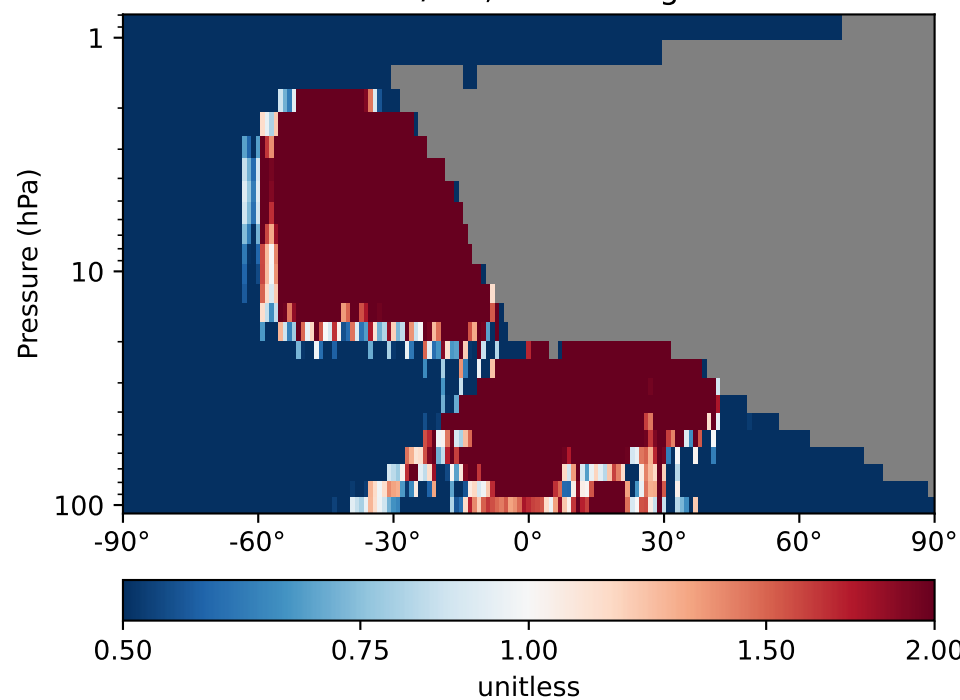
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

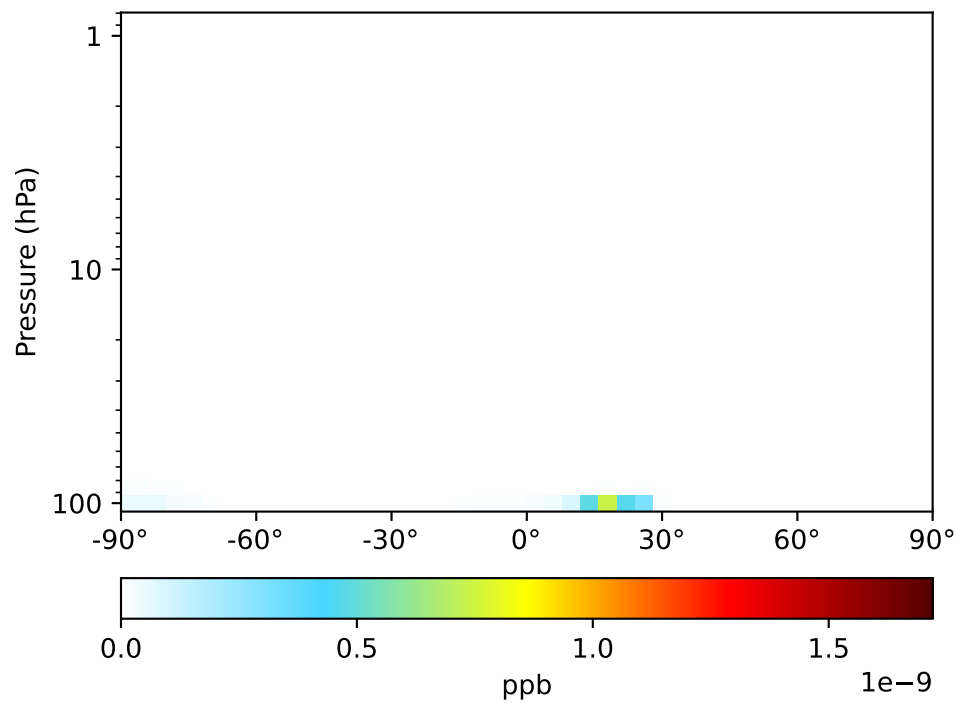


Ratio (1x1.25)  
Dev/Ref, Fixed Range

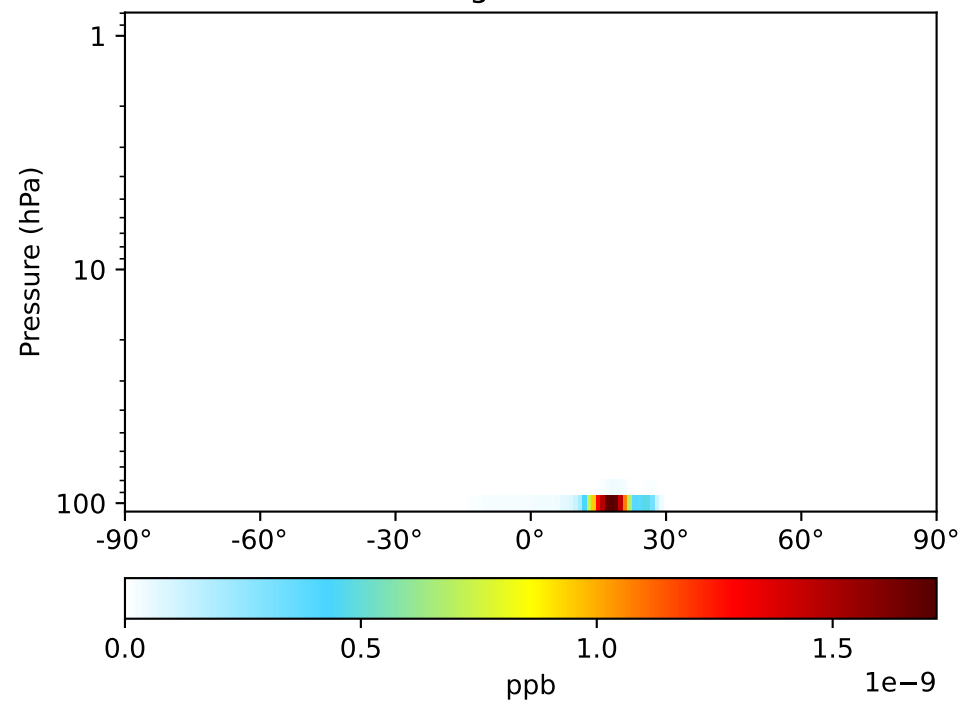


# SpeciesConc\_CH2IBr, Zonal Mean (Jul2019)

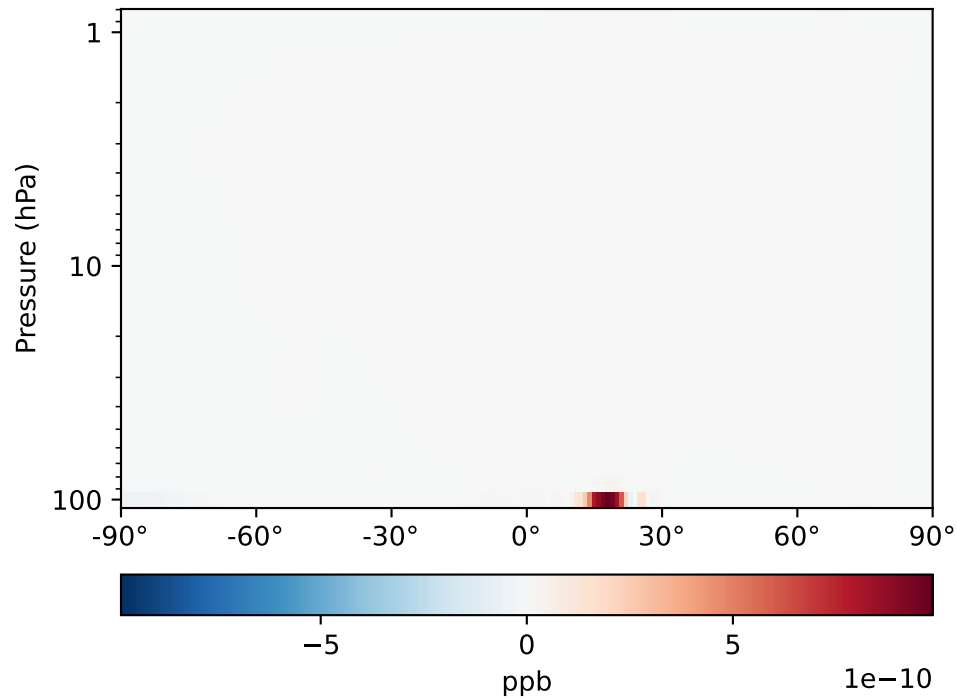
GCC\_13.2.0 (Ref)  
4.0x5.0



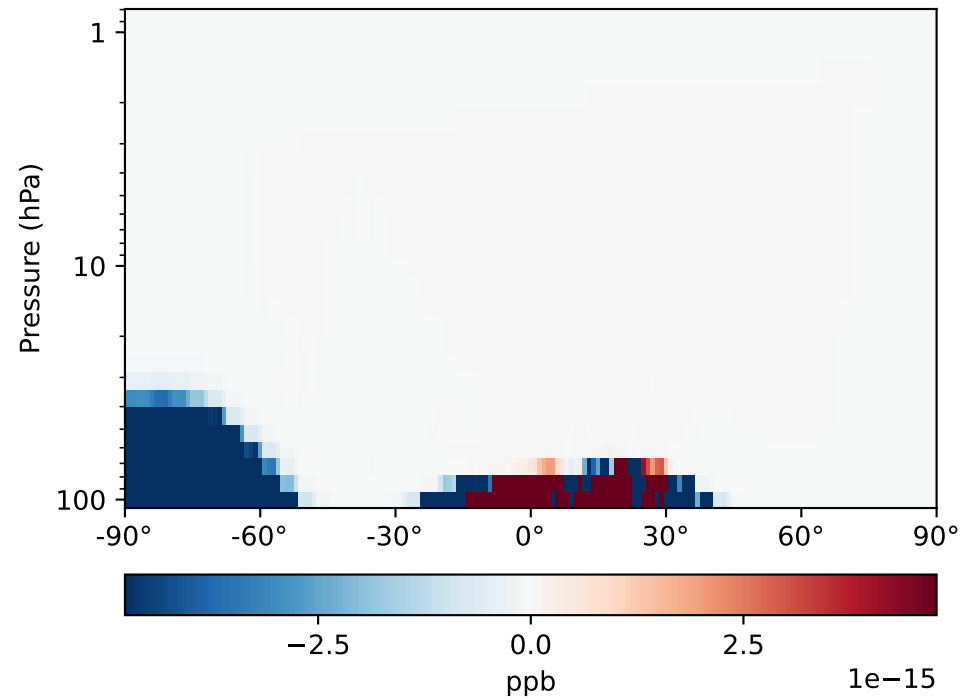
GCHP\_13.2.0 (Dev)  
1x1.25 regrided from c48



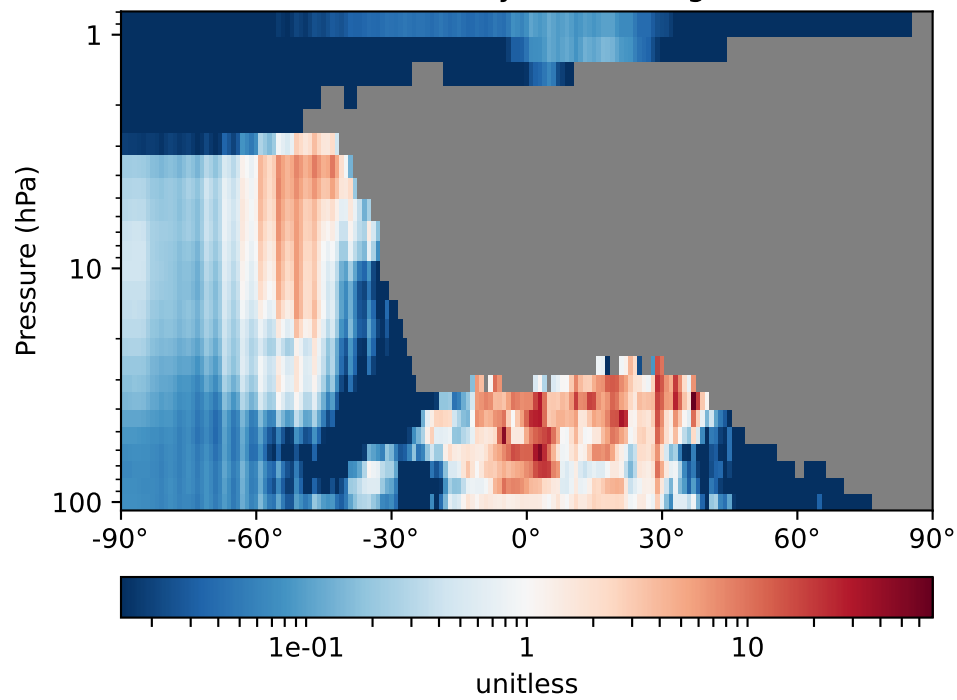
Difference (1x1.25)  
Dev - Ref, Dynamic Range



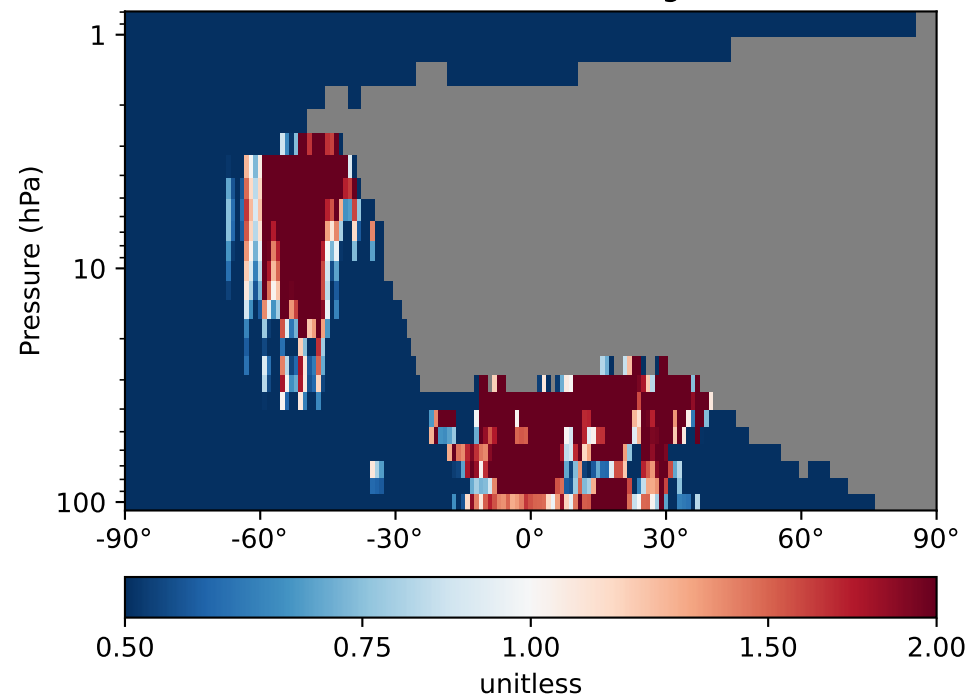
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

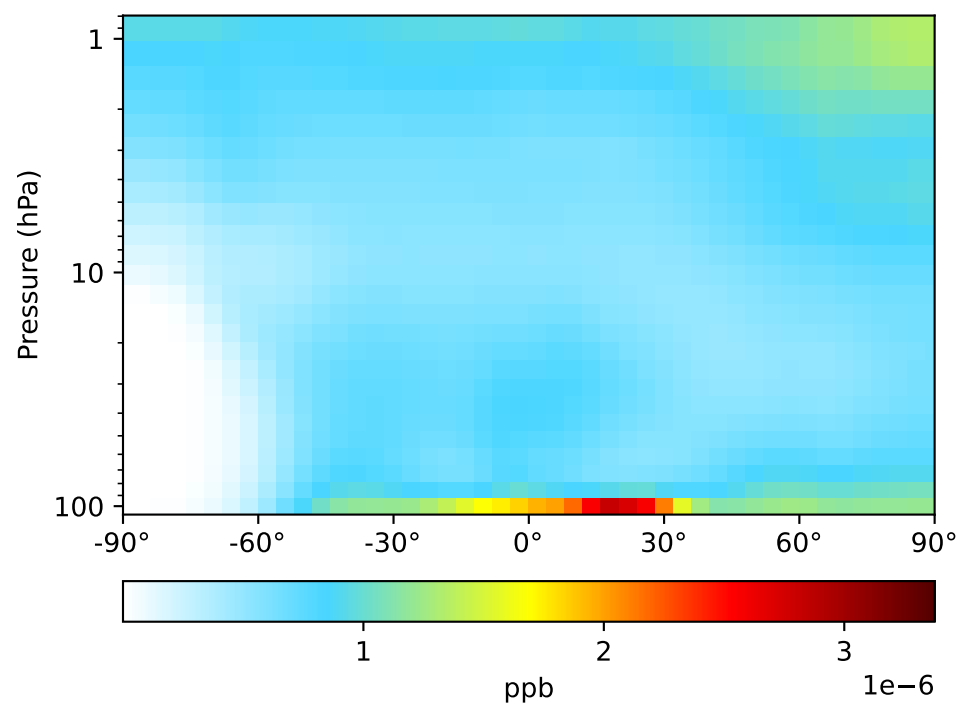


Ratio (1x1.25)  
Dev/Ref, Fixed Range

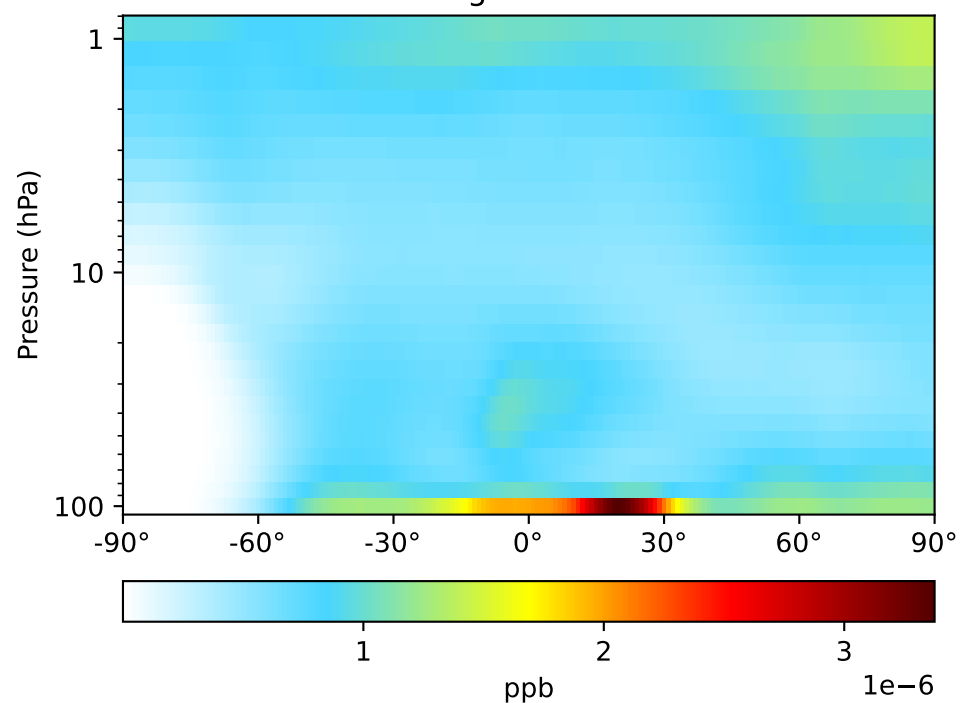


# SpeciesConc\_HI, Zonal Mean (Jul2019)

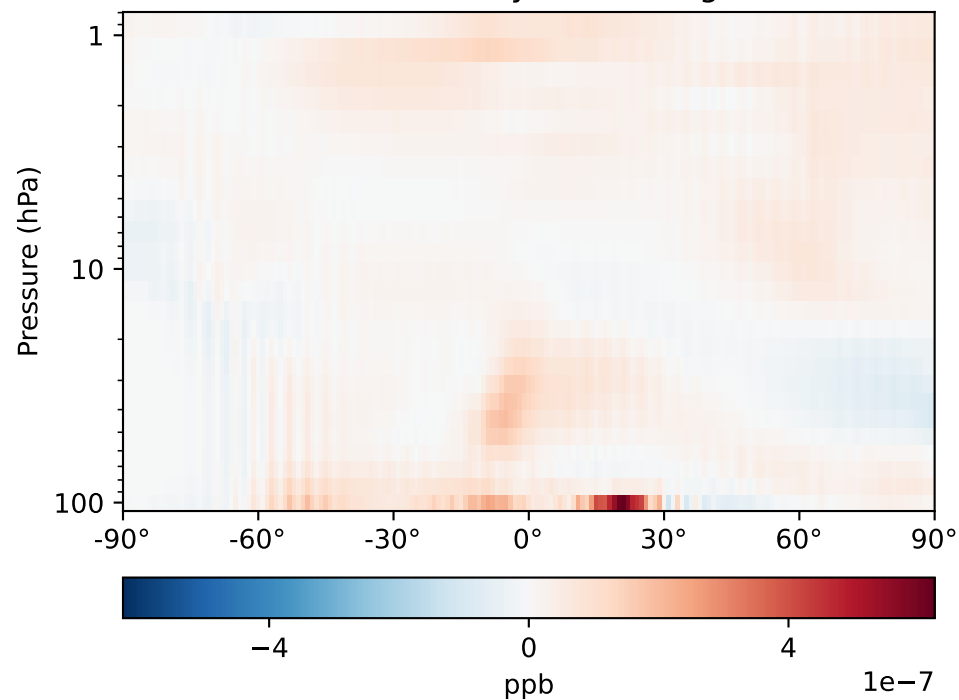
GCC\_13.2.0 (Ref)  
4.0x5.0



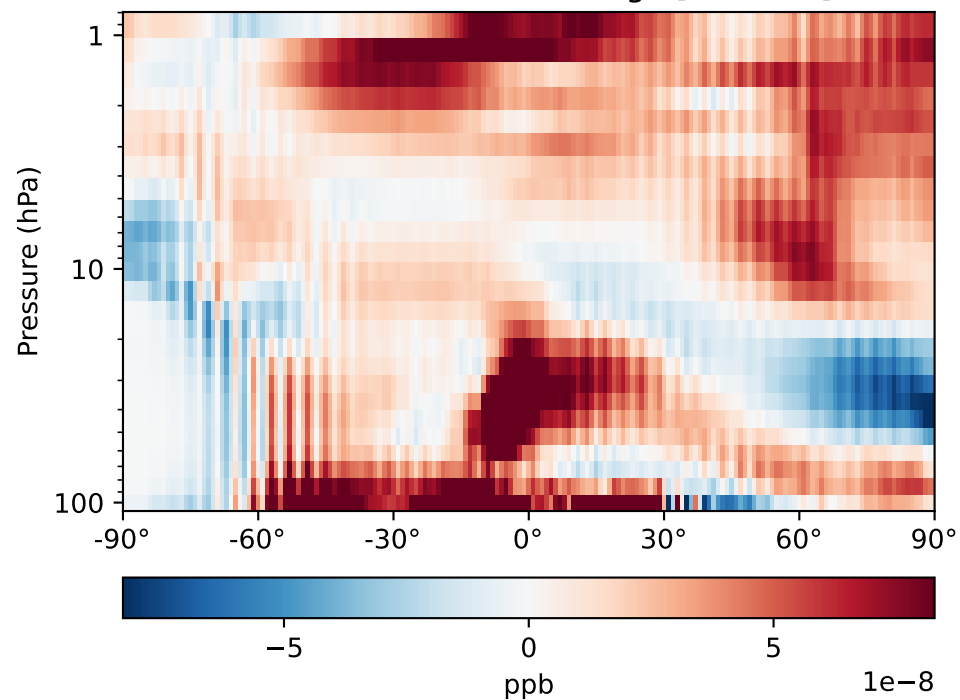
GCHP\_13.2.0 (Dev)  
1x1.25 regrided from c48



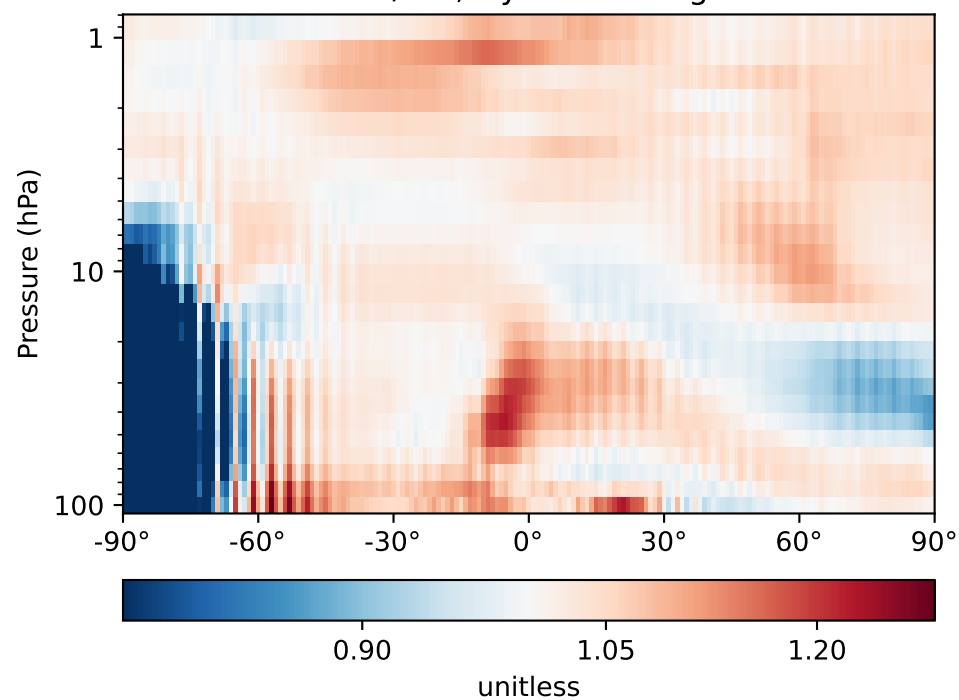
Difference (1x1.25)  
Dev - Ref, Dynamic Range



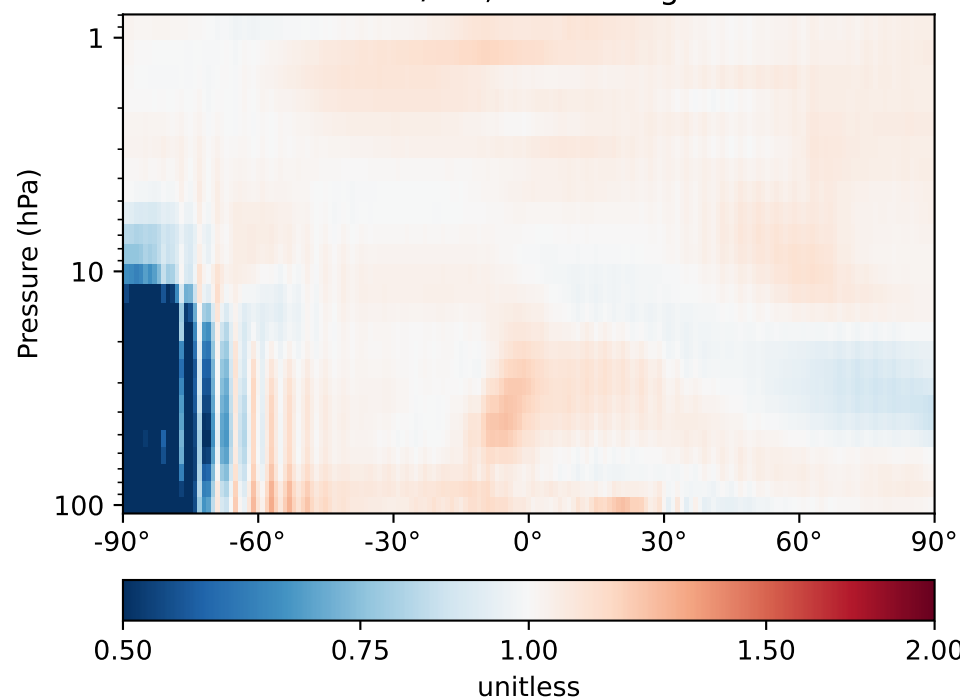
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

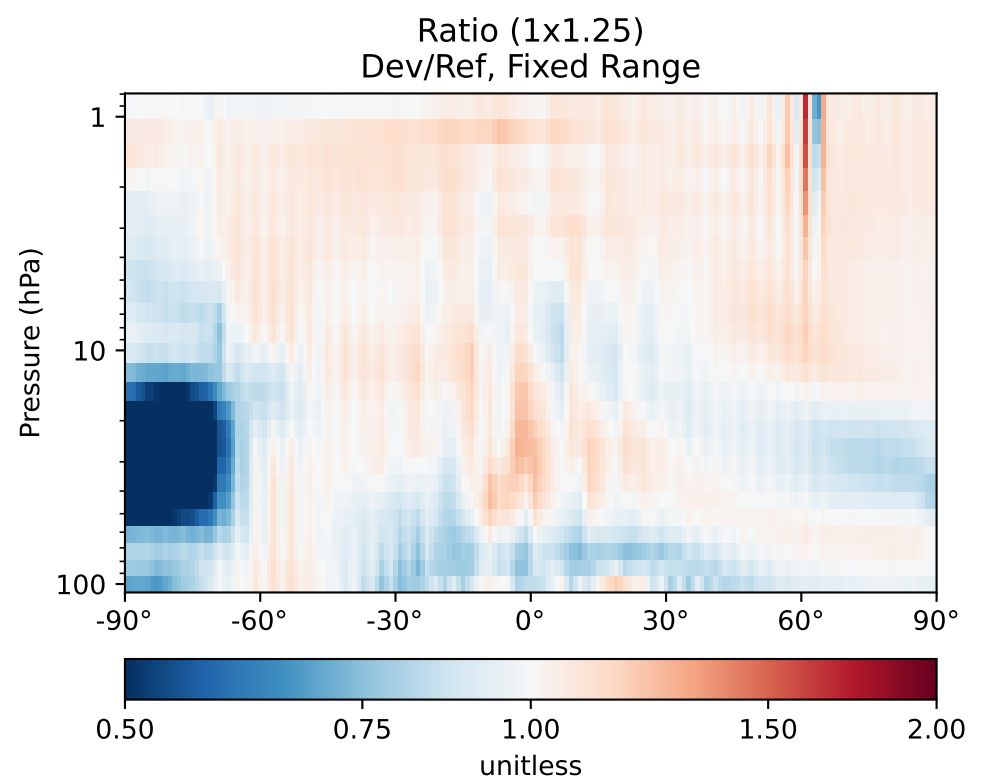
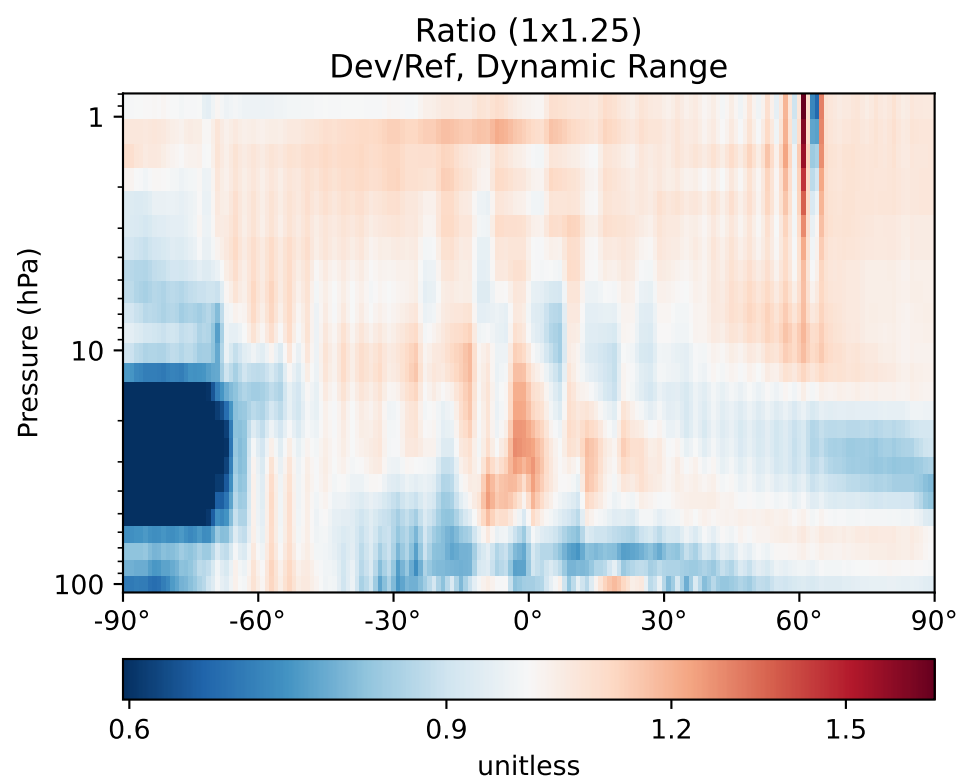
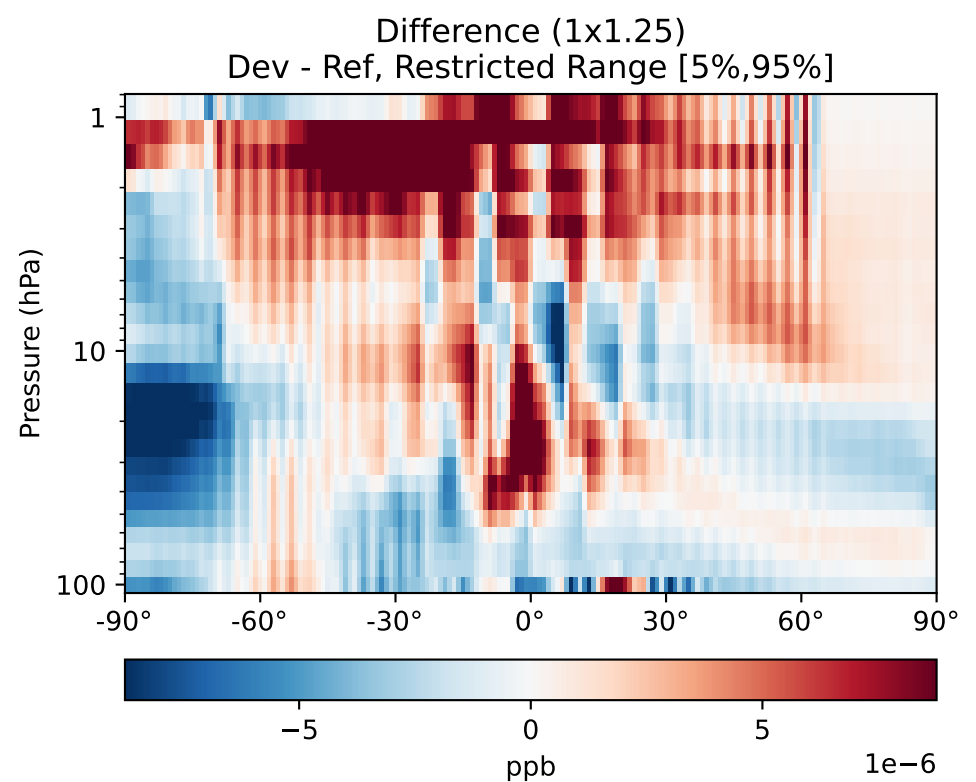
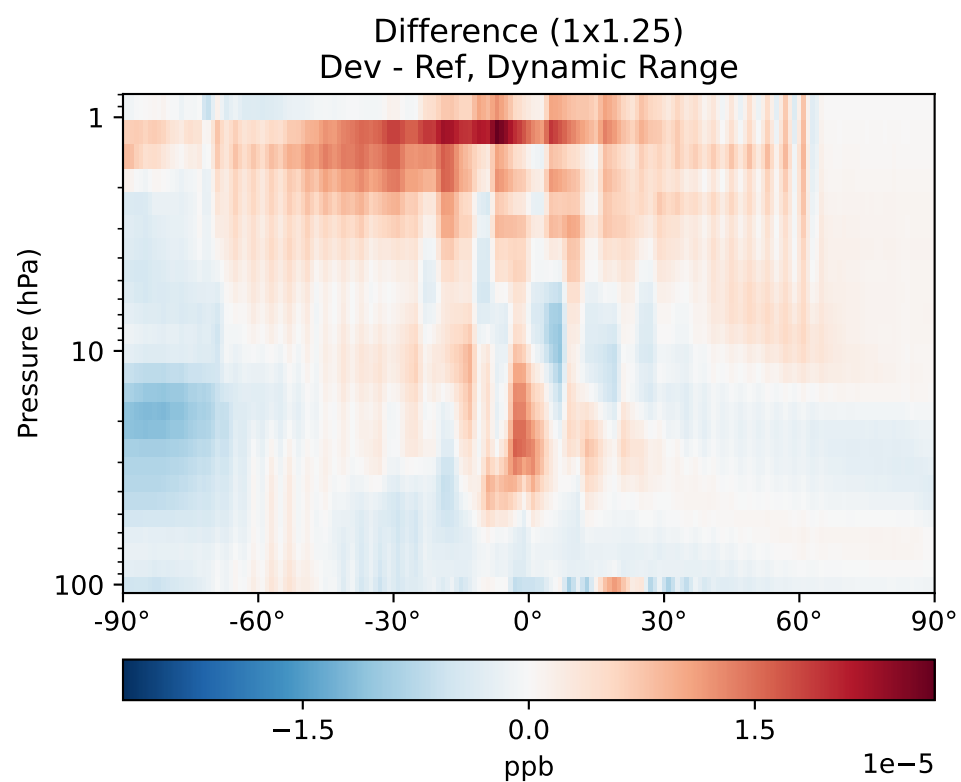
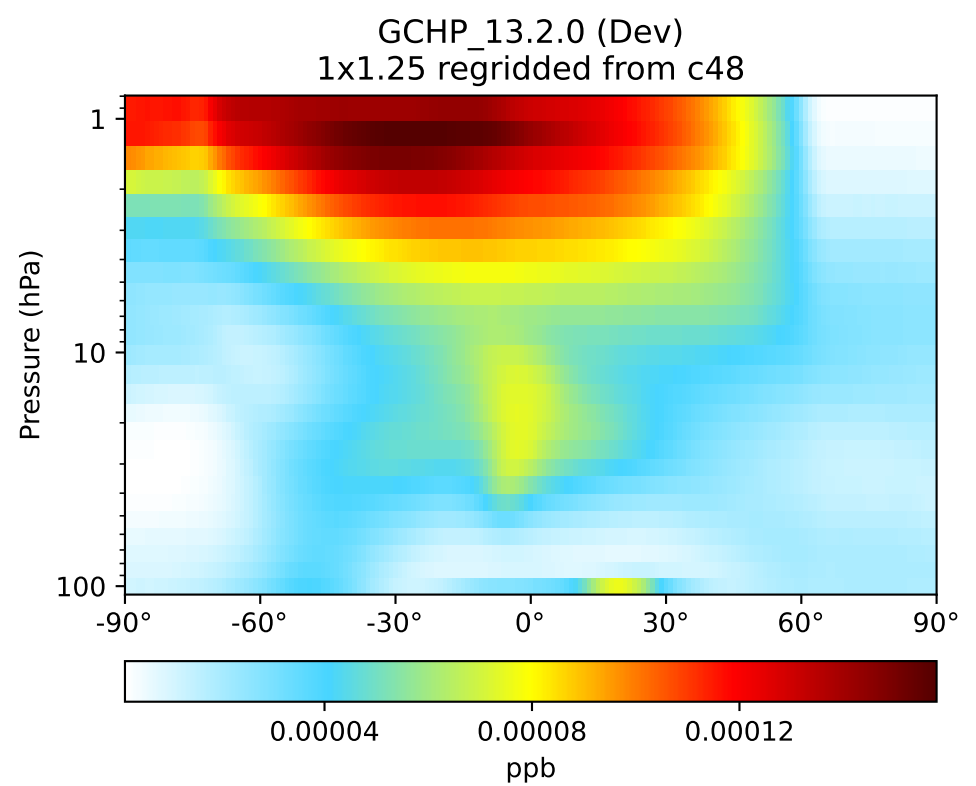
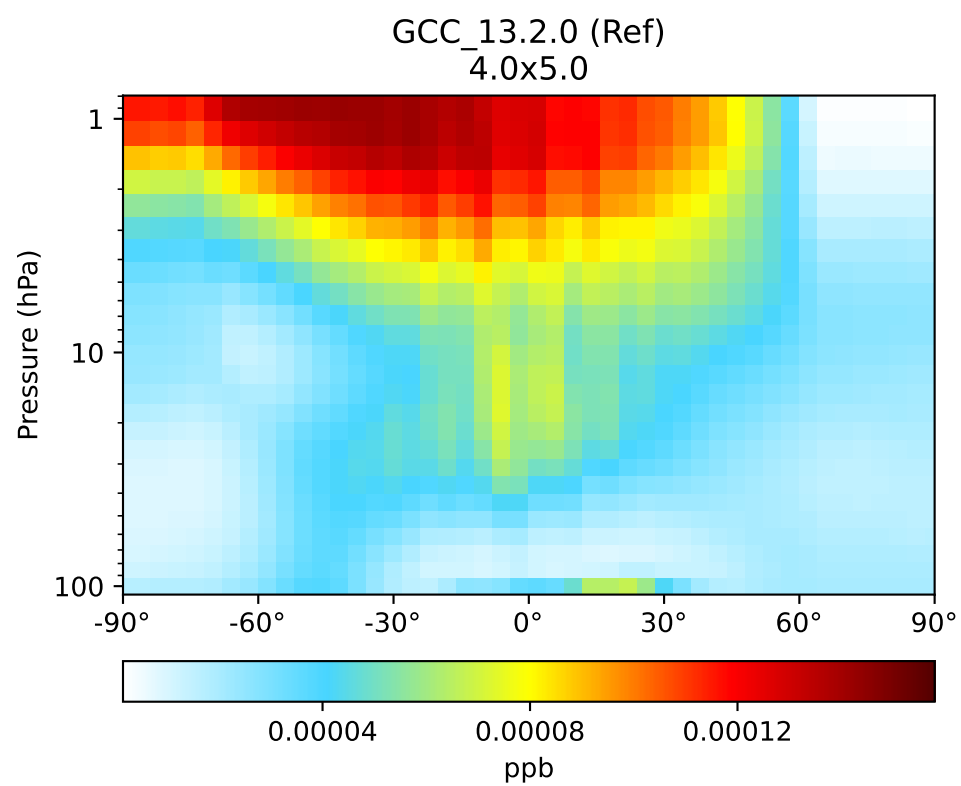


Ratio (1x1.25)  
Dev/Ref, Fixed Range



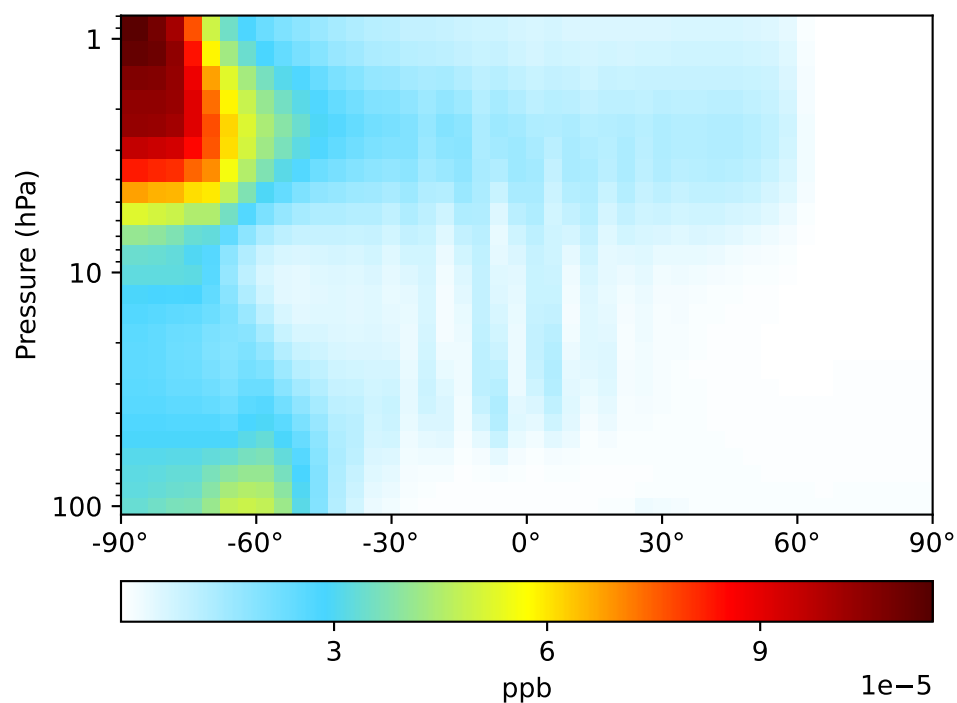


# SpeciesConc\_HOI, Zonal Mean (Jul2019)

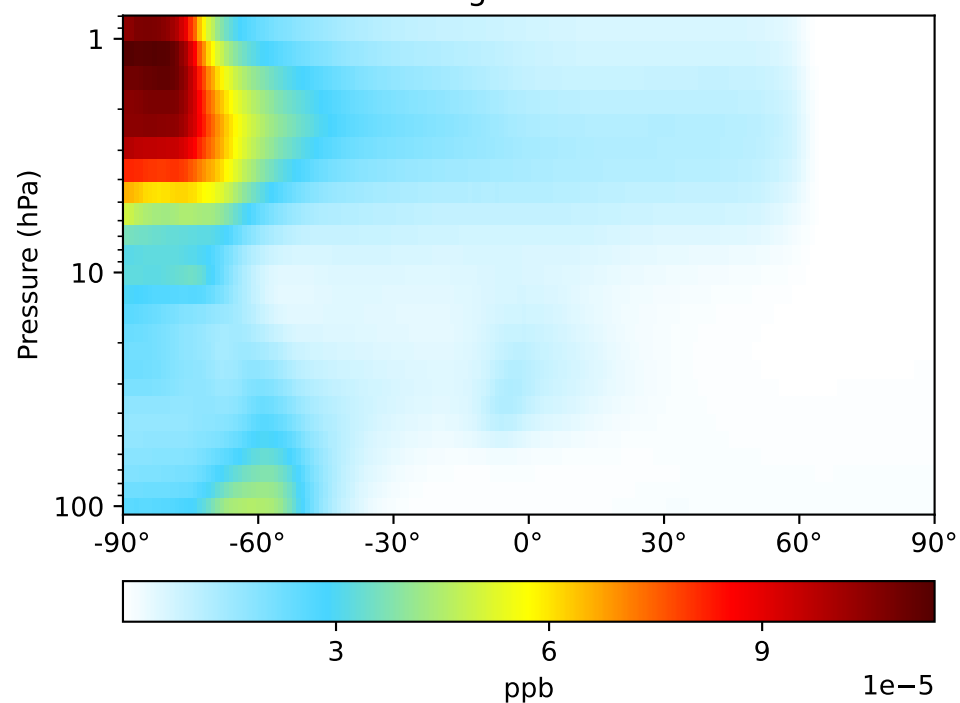


# SpeciesConc\_OIO, Zonal Mean (Jul2019)

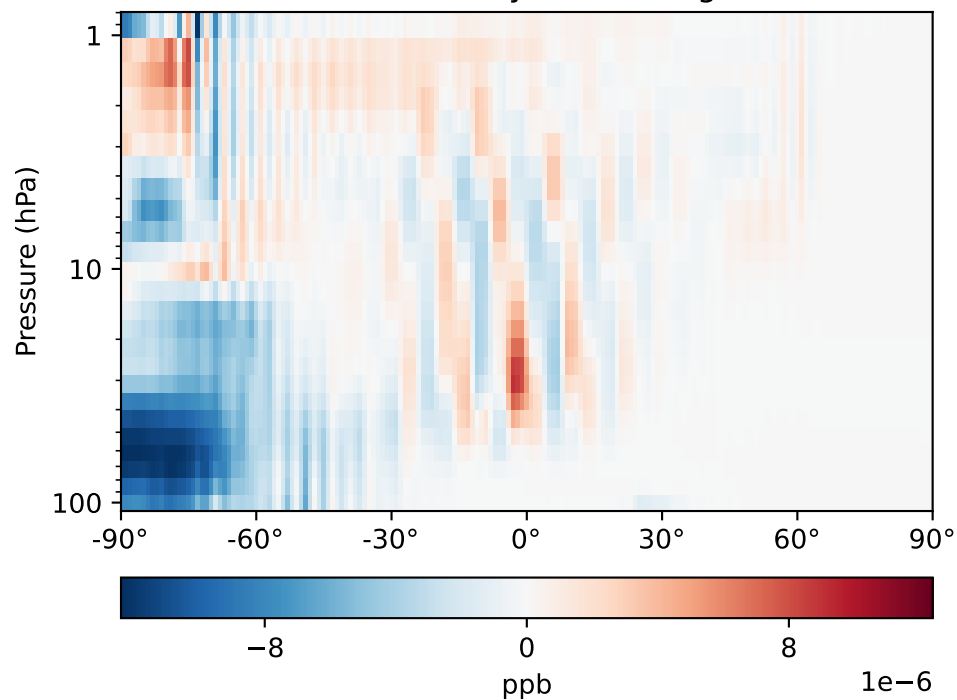
GCC\_13.2.0 (Ref)  
4.0x5.0



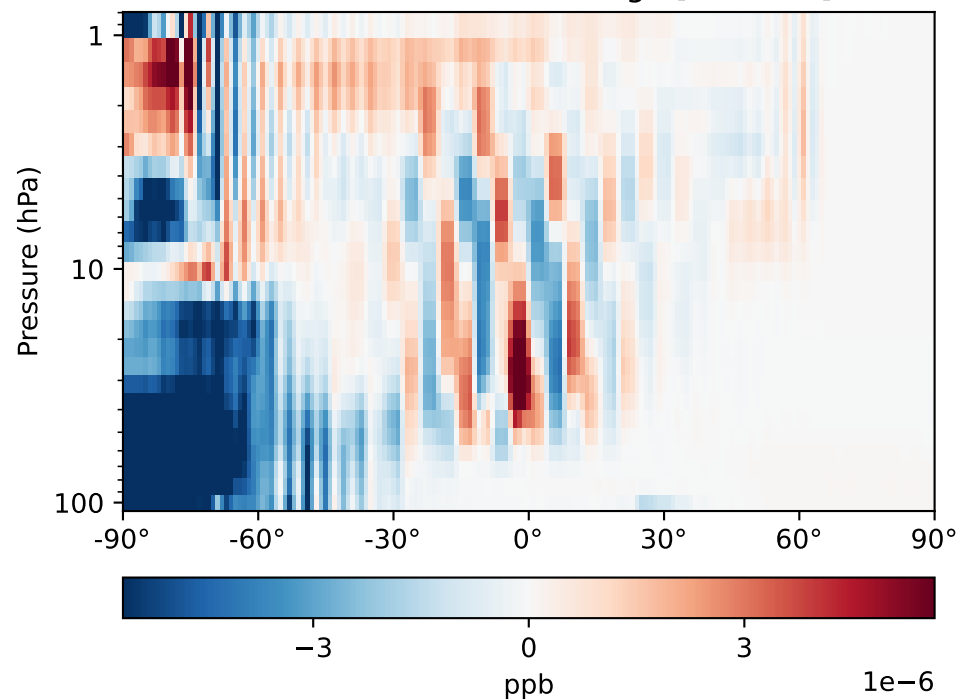
GCHP\_13.2.0 (Dev)  
1x1.25 regrided from c48



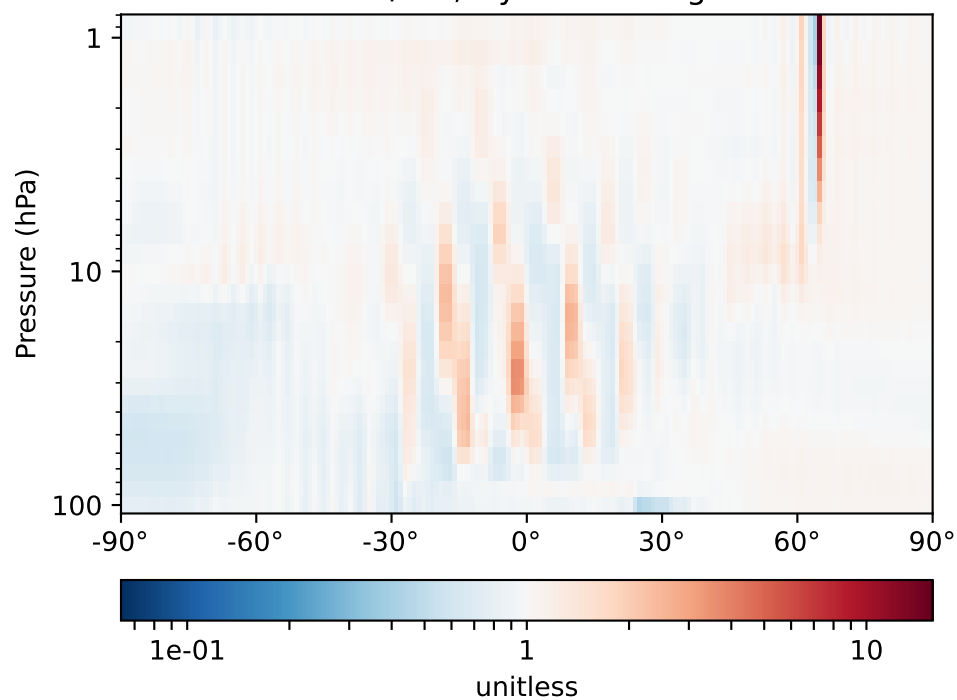
Difference (1x1.25)  
Dev - Ref, Dynamic Range



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



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



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

