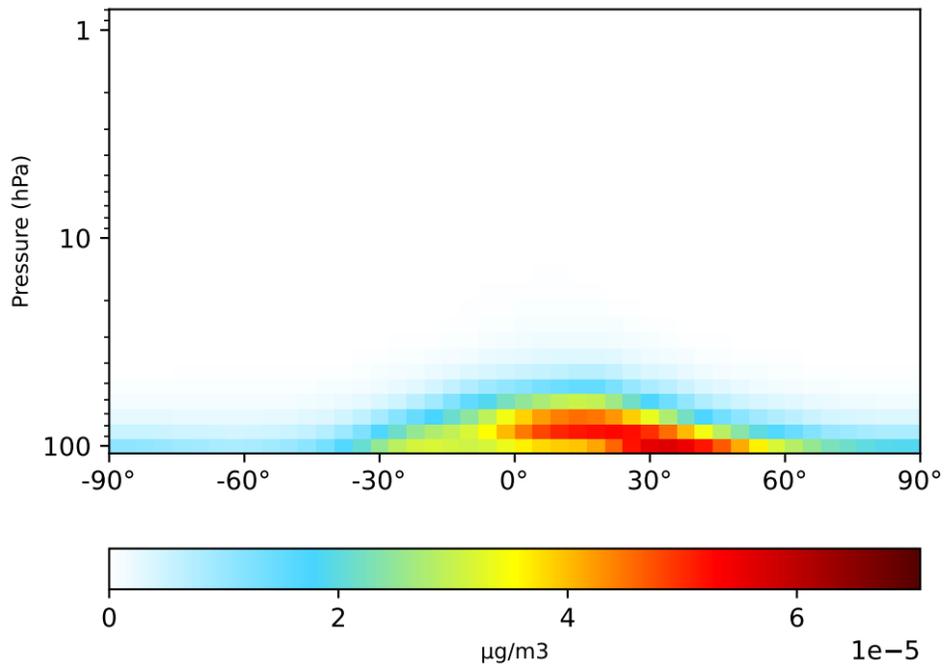
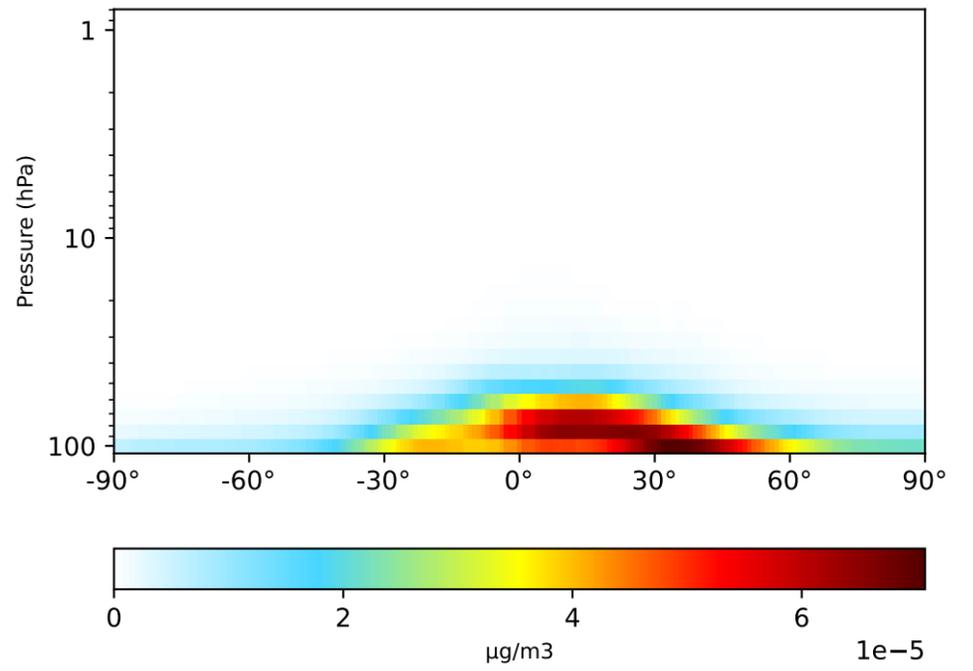


# SpeciesConcVV\_DSTbin1, Zonal Mean (Oct2019)

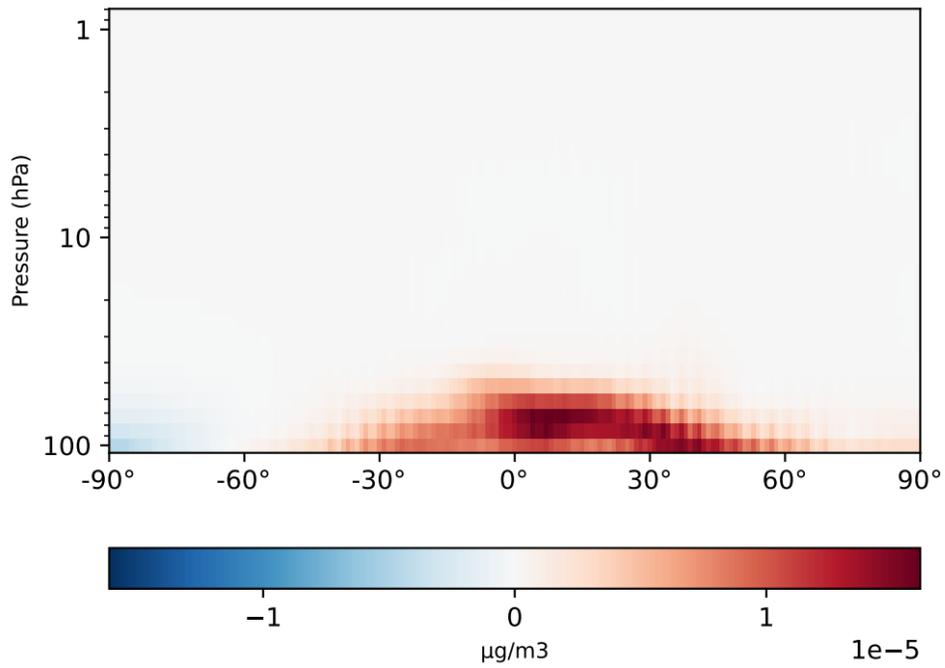
gcc.14.7.0-rc.0 (Ref)  
4.0x5.0



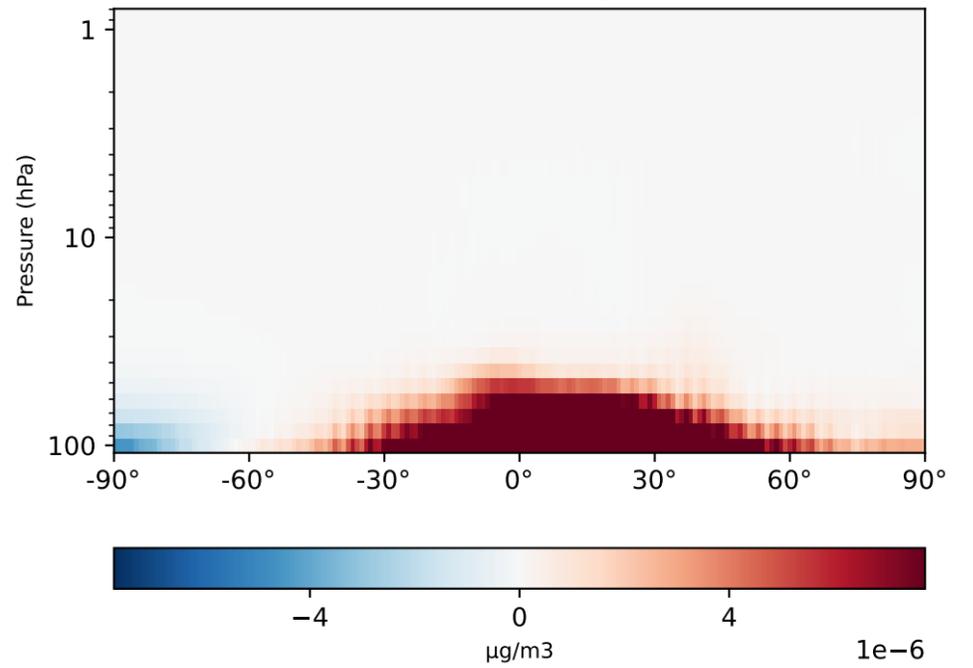
gchp.14.7.0-rc.0 (Dev)  
1x1.25 regridded from c24



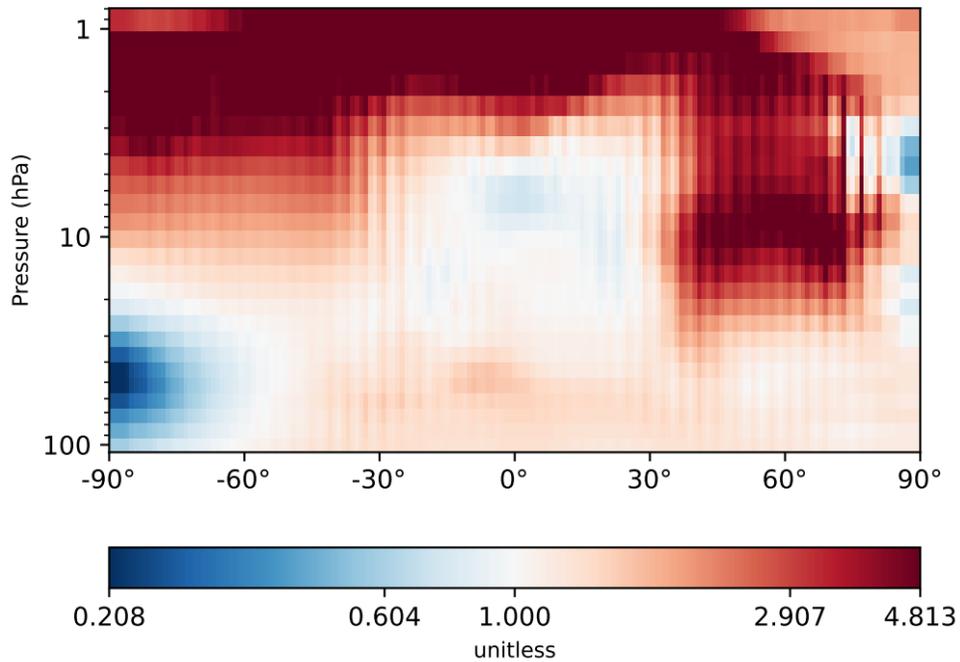
Difference (1x1.25)  
Dev - Ref, Dynamic Range



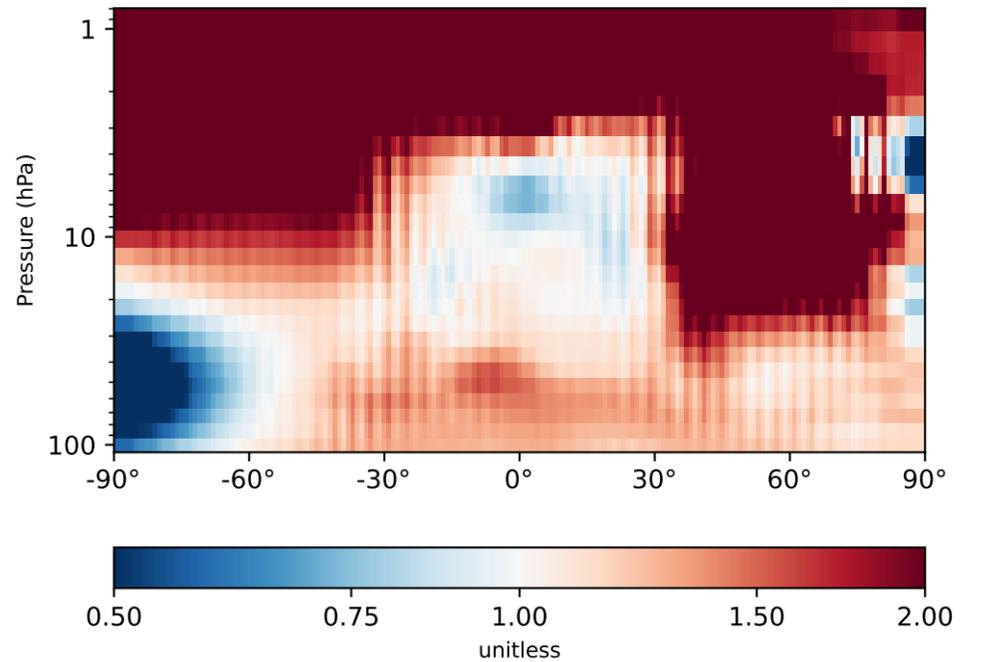
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

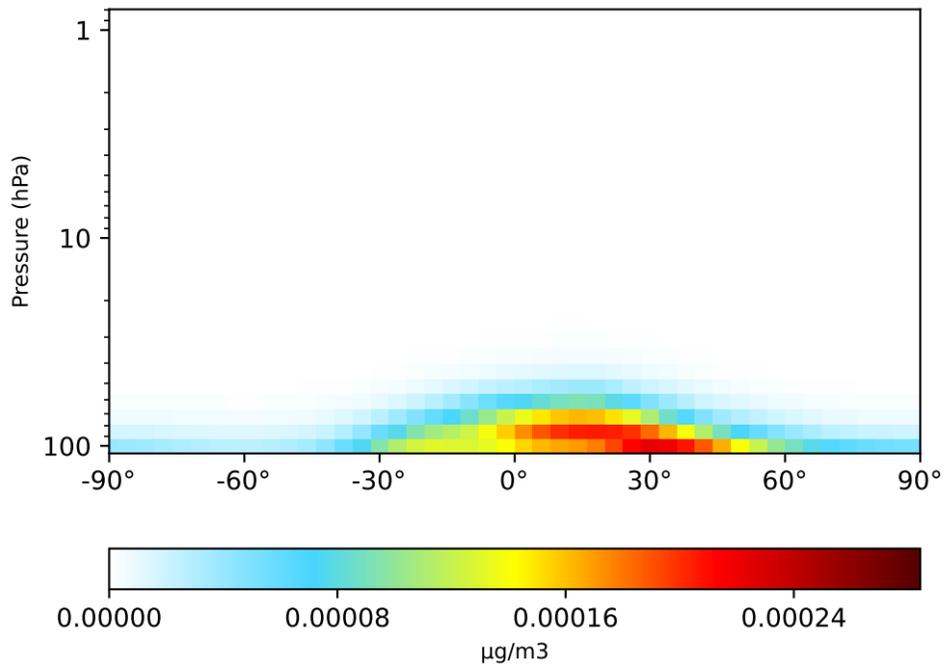


Ratio (1x1.25)  
Dev/Ref, Fixed Range

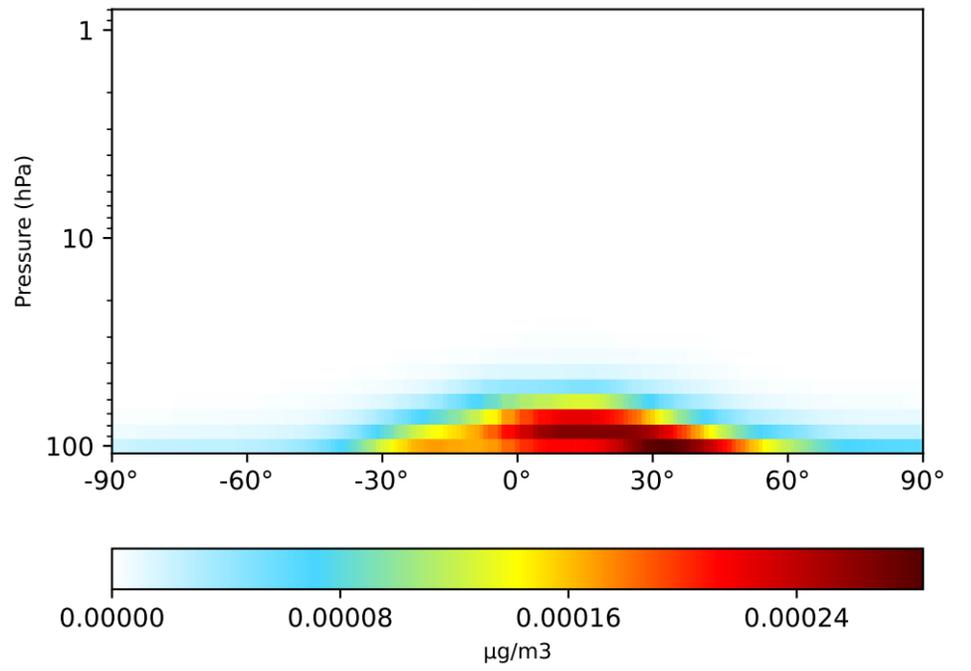


# SpeciesConcVV\_DSTbin2, Zonal Mean (Oct2019)

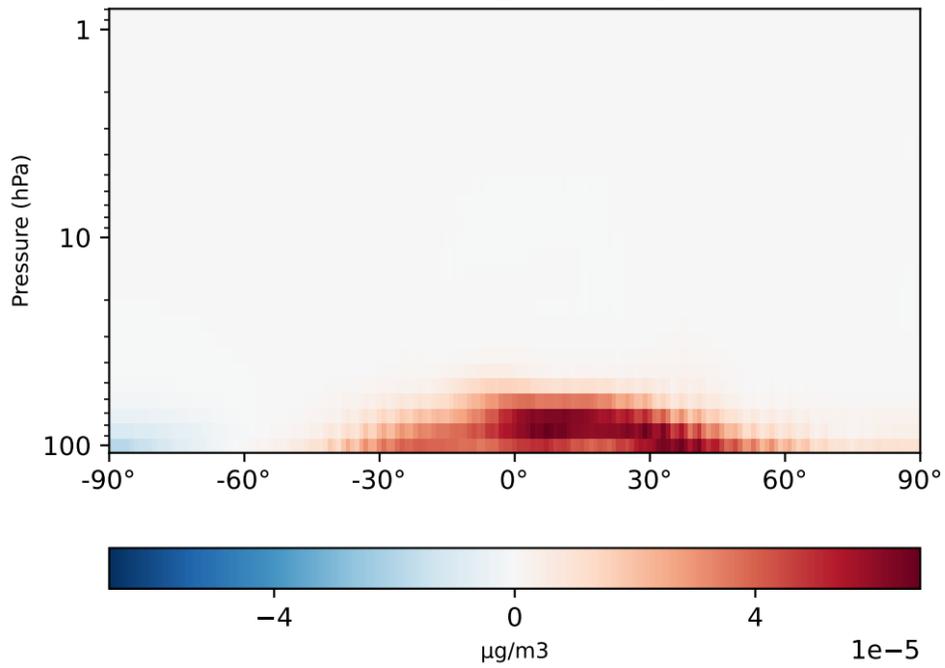
gcc.14.7.0-rc.0 (Ref)  
4.0x5.0



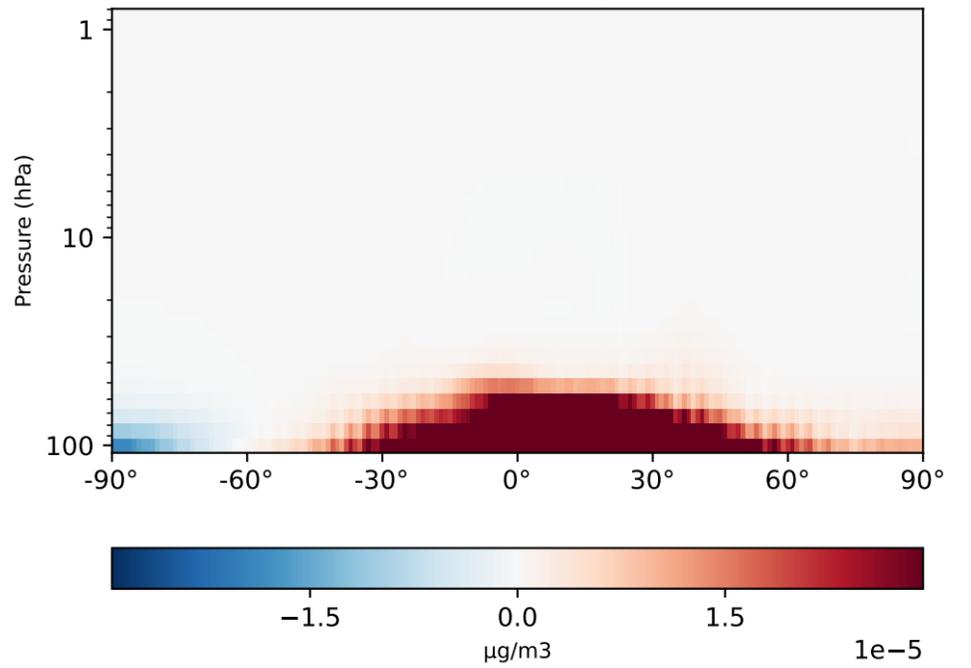
gchp.14.7.0-rc.0 (Dev)  
1x1.25 regridded from c24



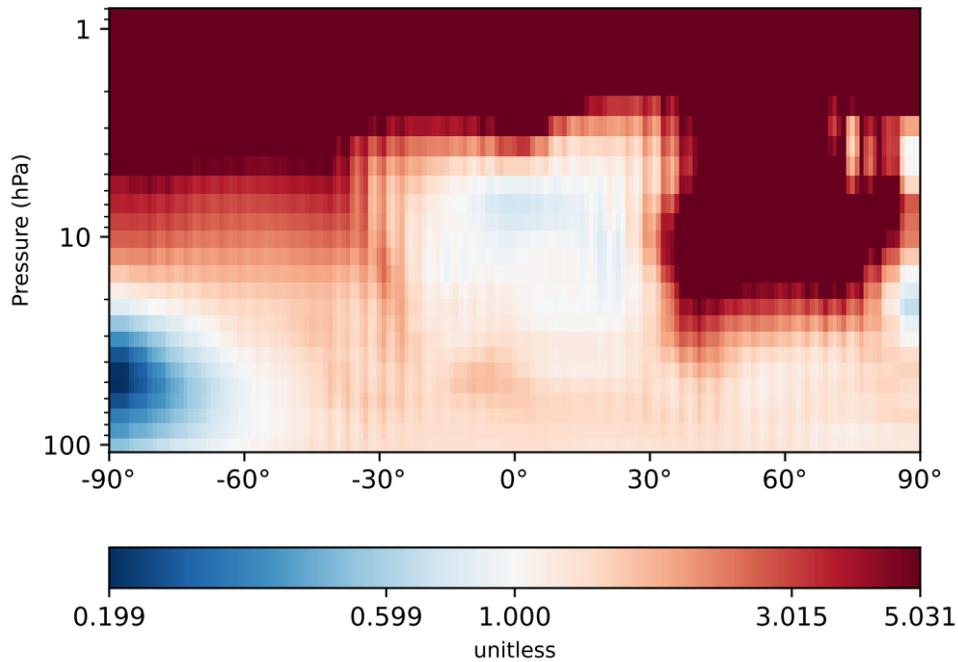
Difference (1x1.25)  
Dev - Ref, Dynamic Range



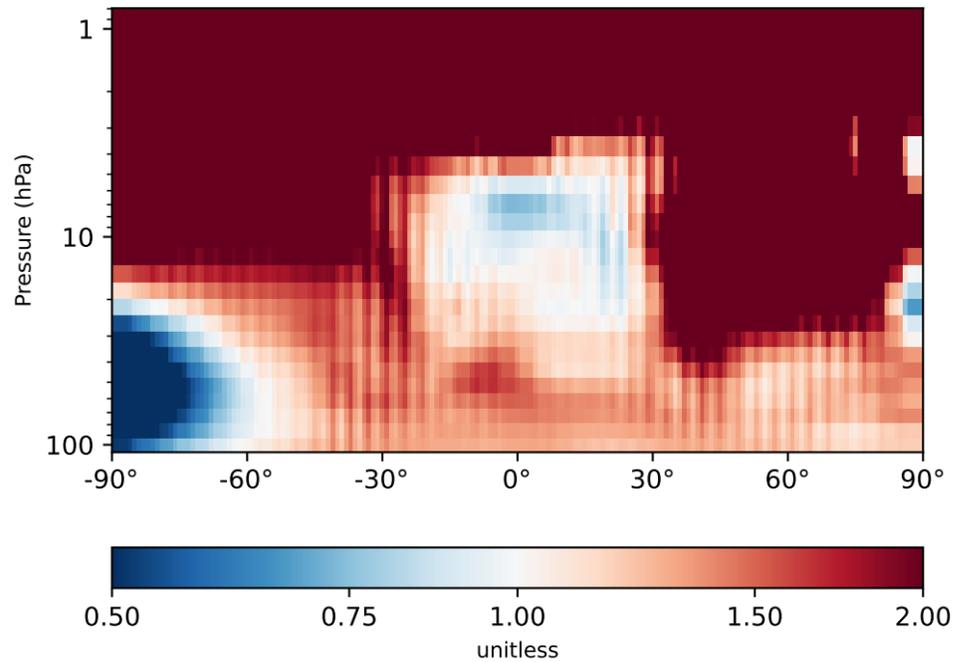
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

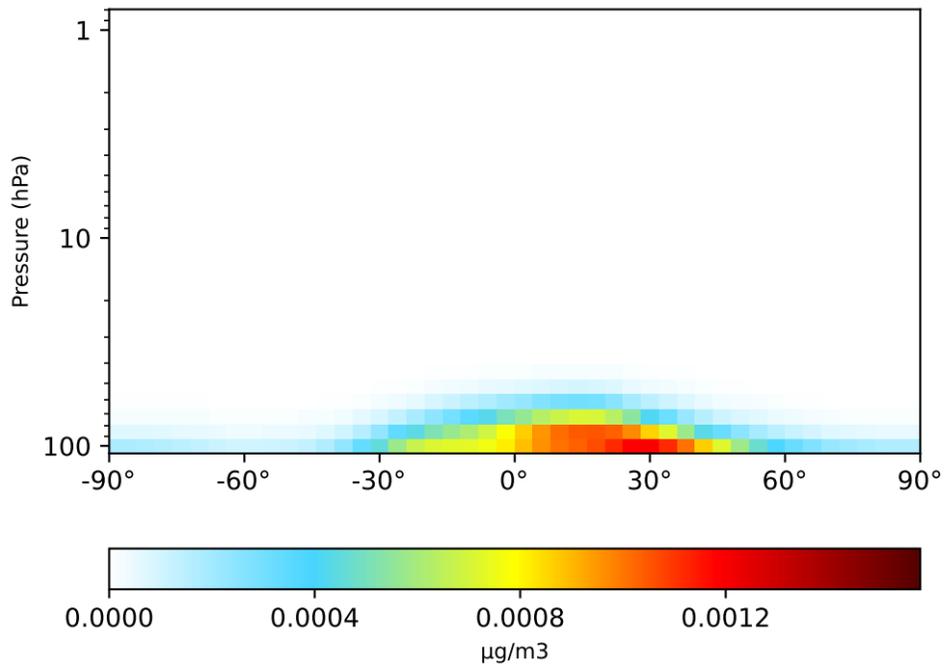


Ratio (1x1.25)  
Dev/Ref, Fixed Range

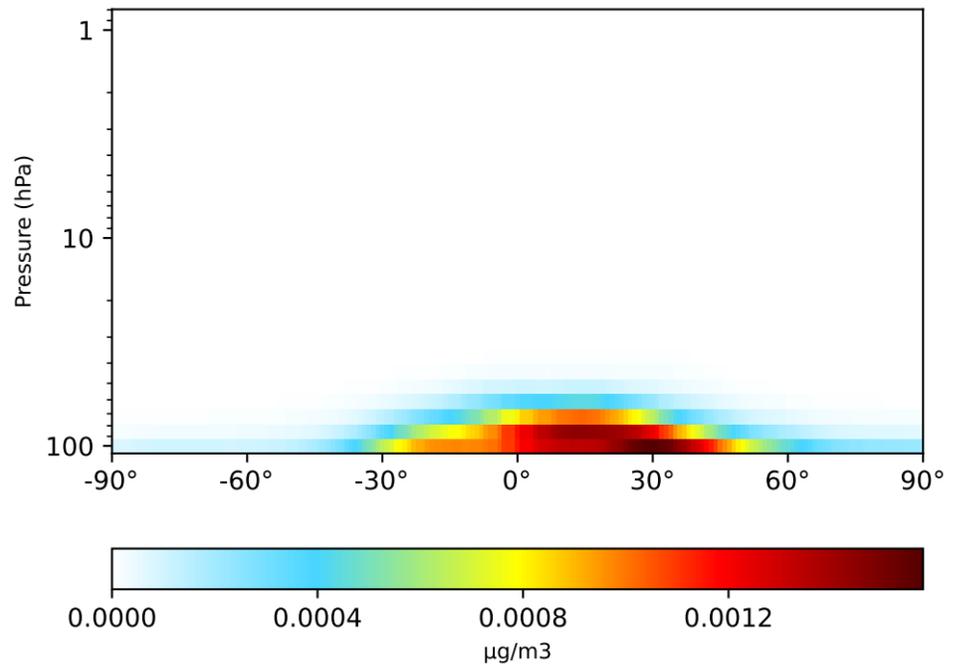


# SpeciesConcVV\_DSTbin3, Zonal Mean (Oct2019)

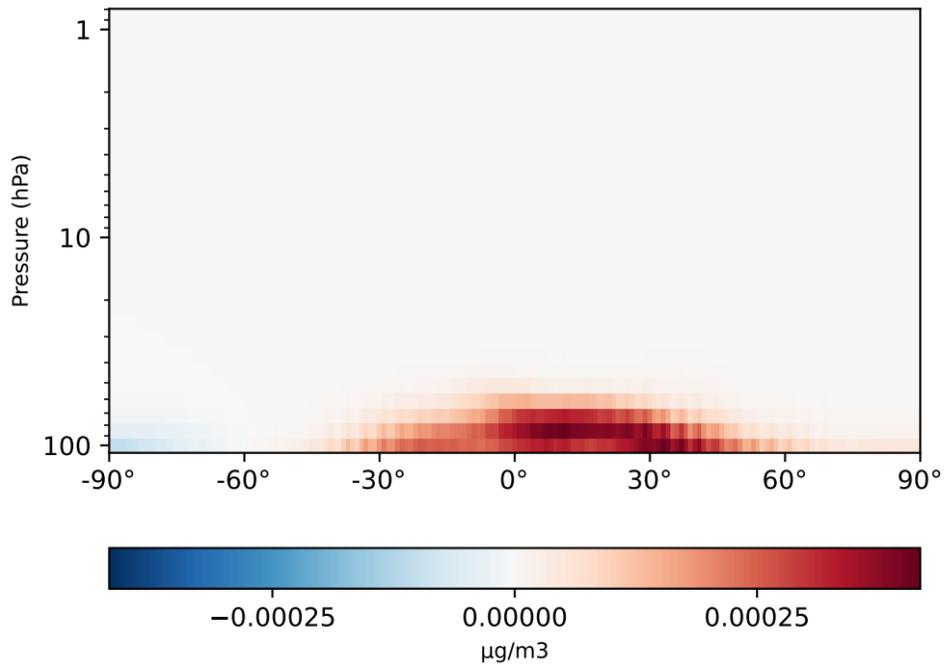
gcc.14.7.0-rc.0 (Ref)  
4.0x5.0



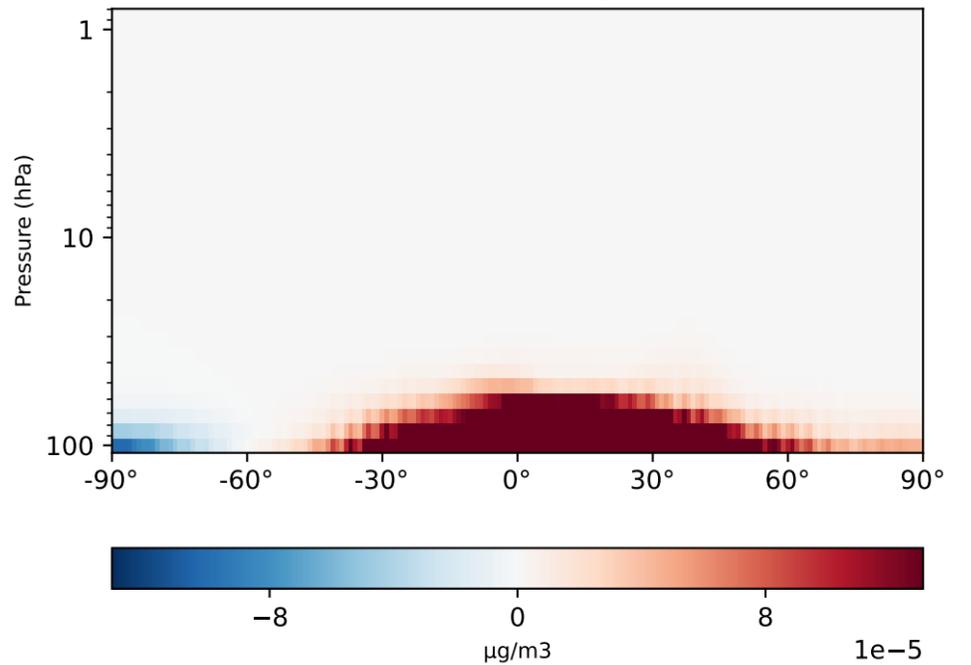
gchp.14.7.0-rc.0 (Dev)  
1x1.25 regridded from c24



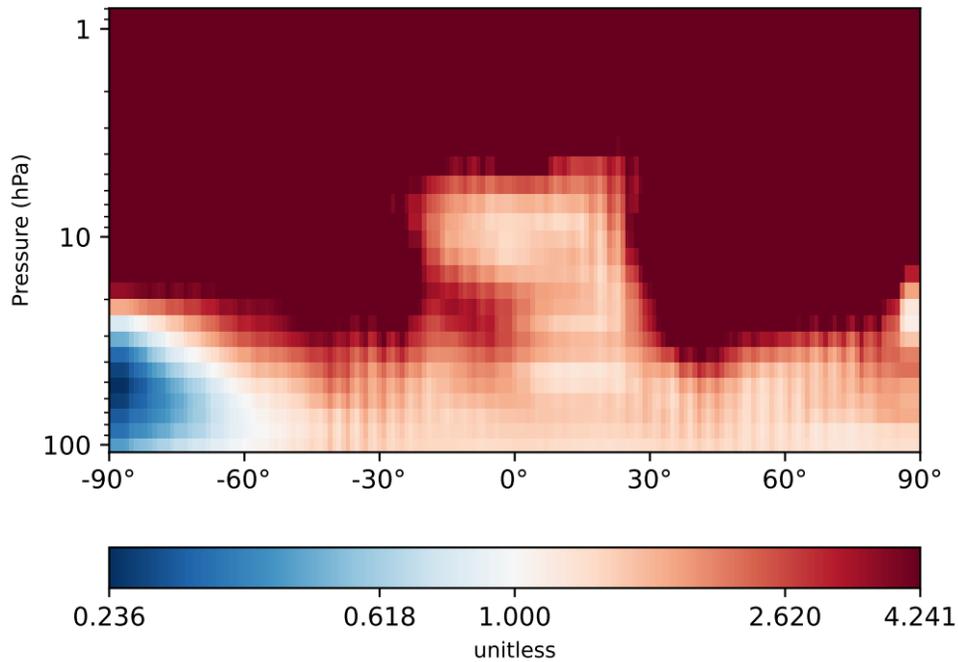
Difference (1x1.25)  
Dev - Ref, Dynamic Range



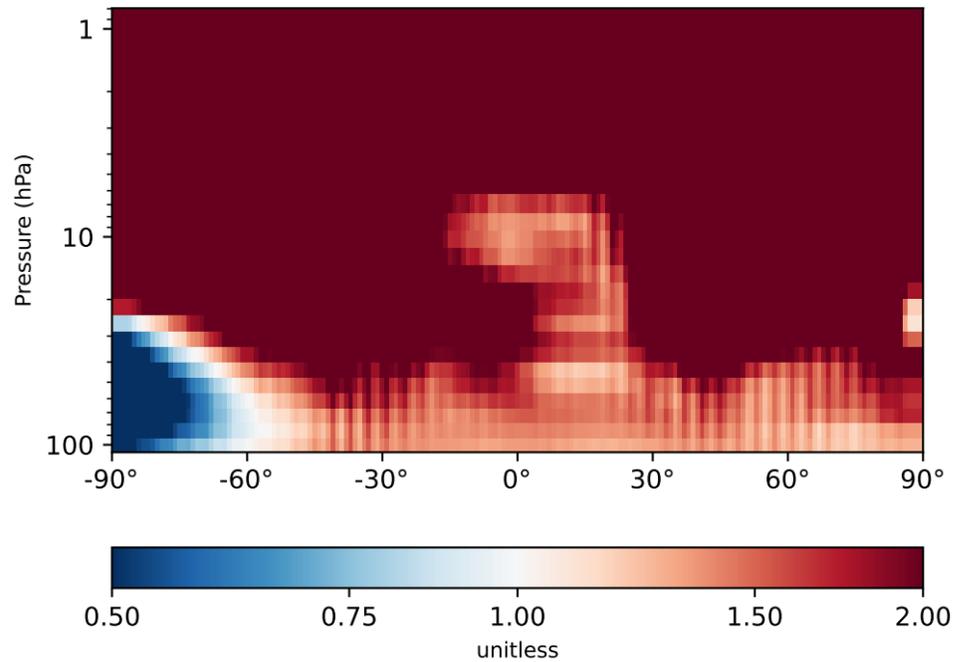
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

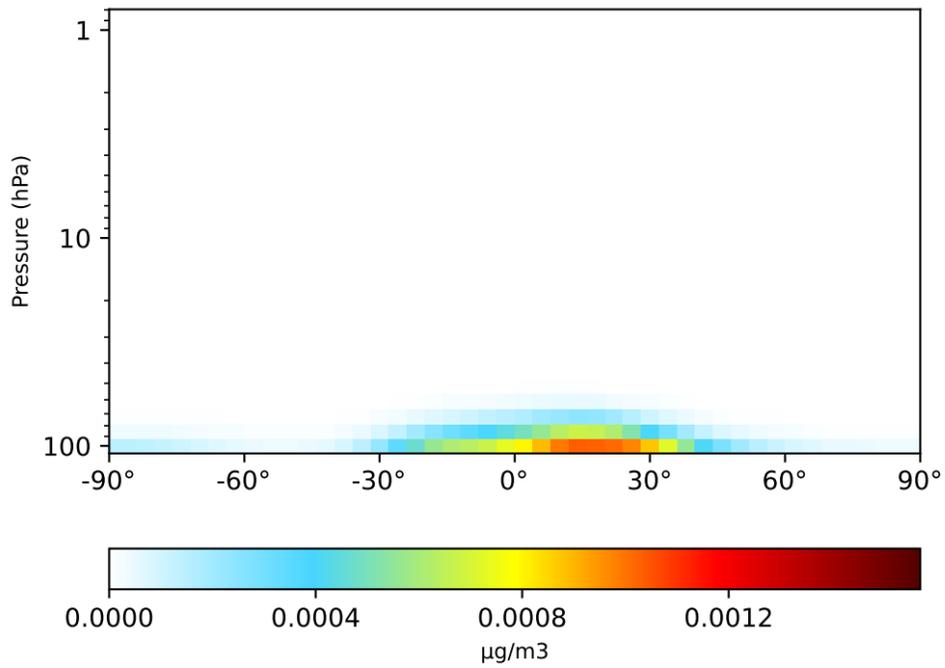


Ratio (1x1.25)  
Dev/Ref, Fixed Range

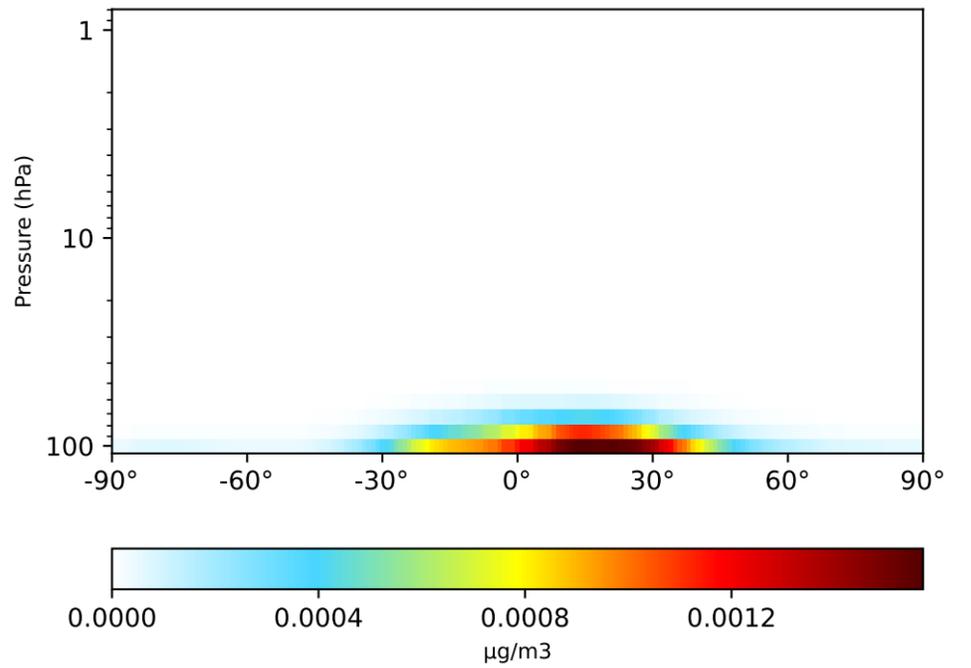


# SpeciesConcVV\_DSTbin4, Zonal Mean (Oct2019)

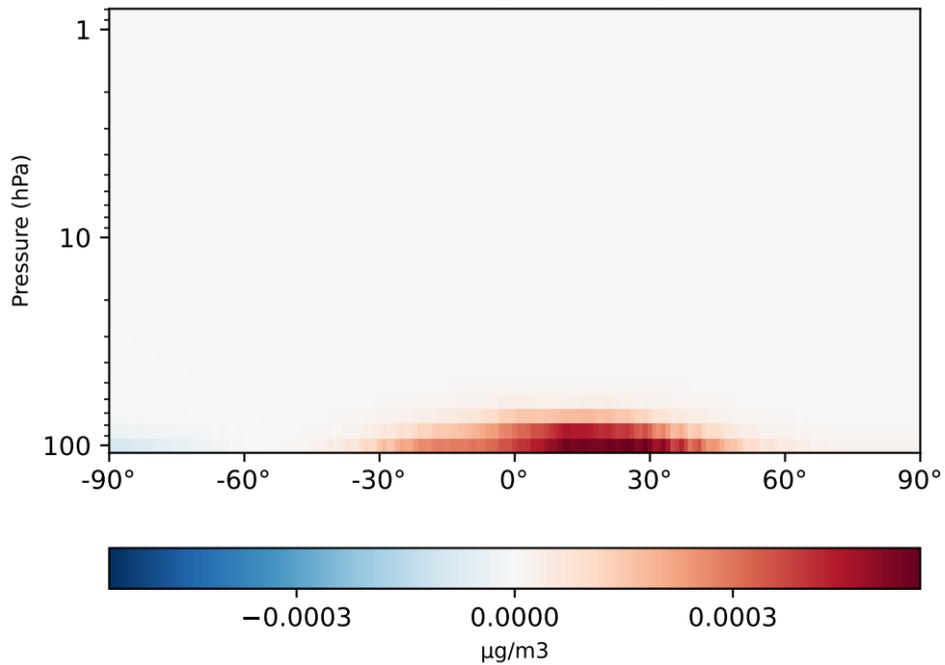
gcc.14.7.0-rc.0 (Ref)  
4.0x5.0



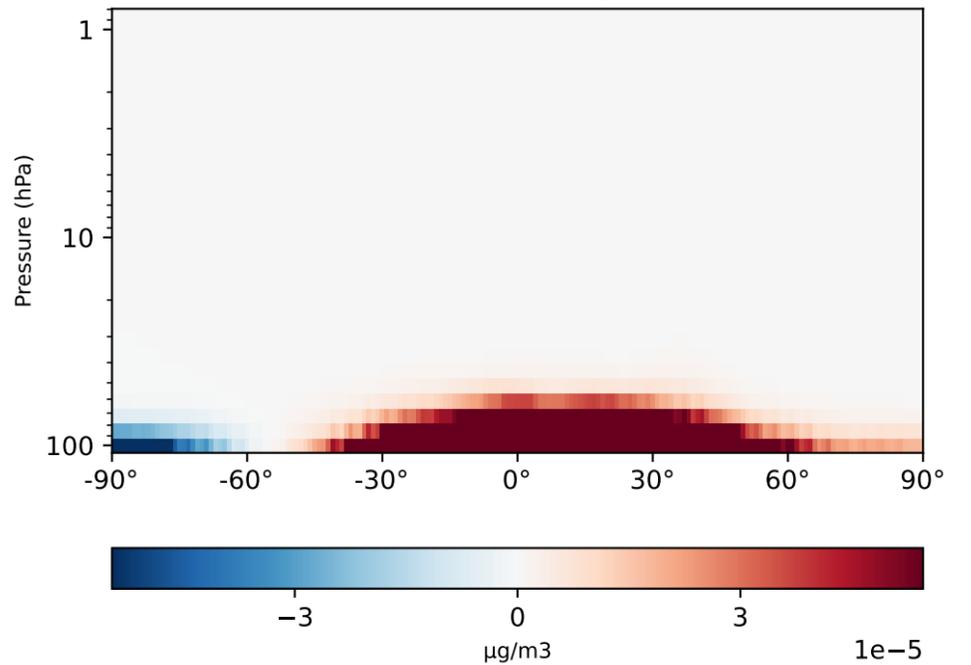
gchp.14.7.0-rc.0 (Dev)  
1x1.25 regridded from c24



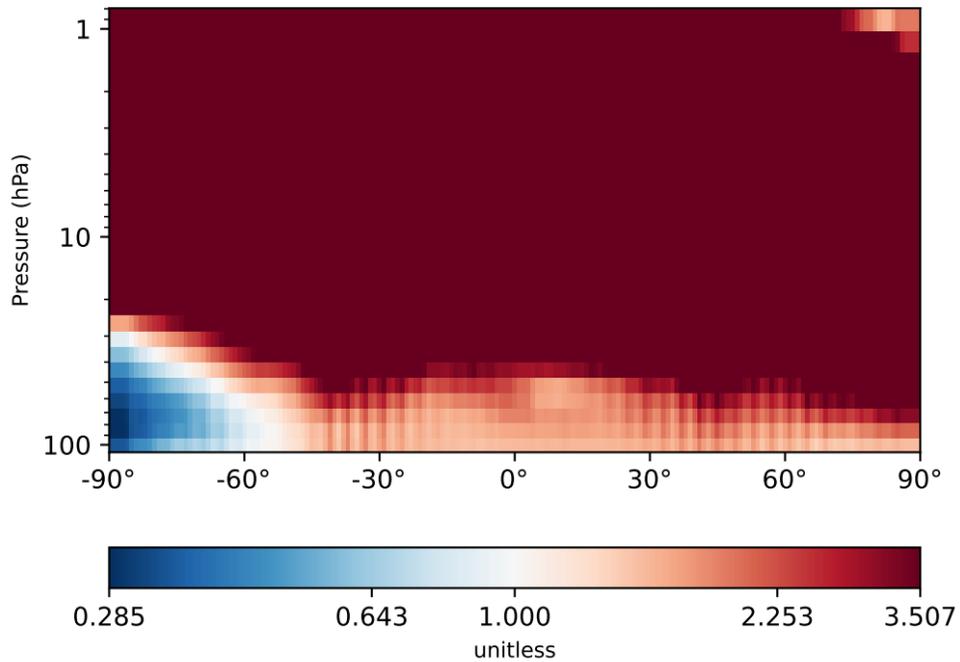
Difference (1x1.25)  
Dev - Ref, Dynamic Range



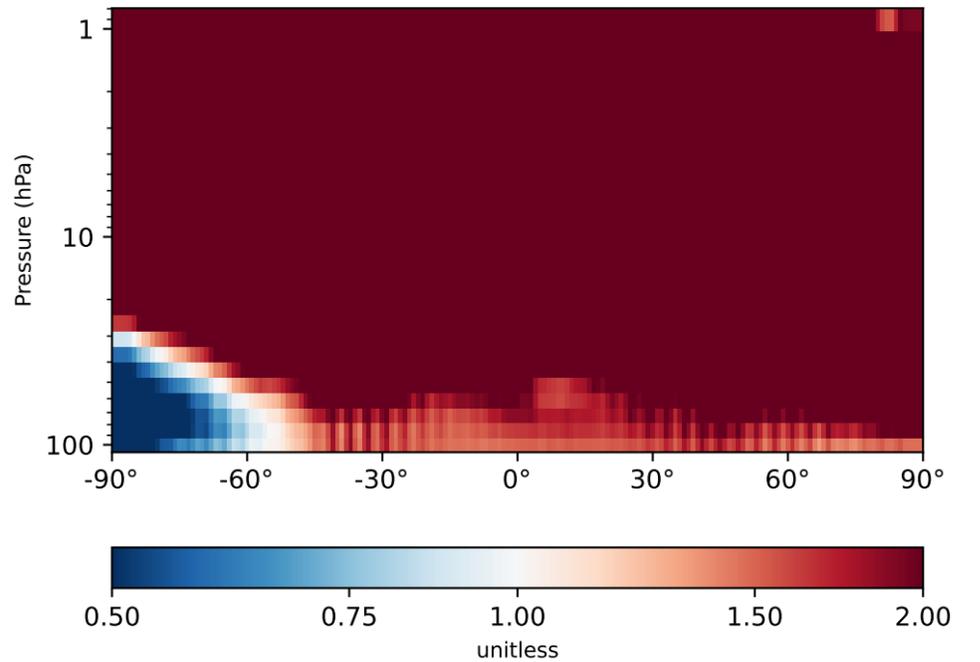
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

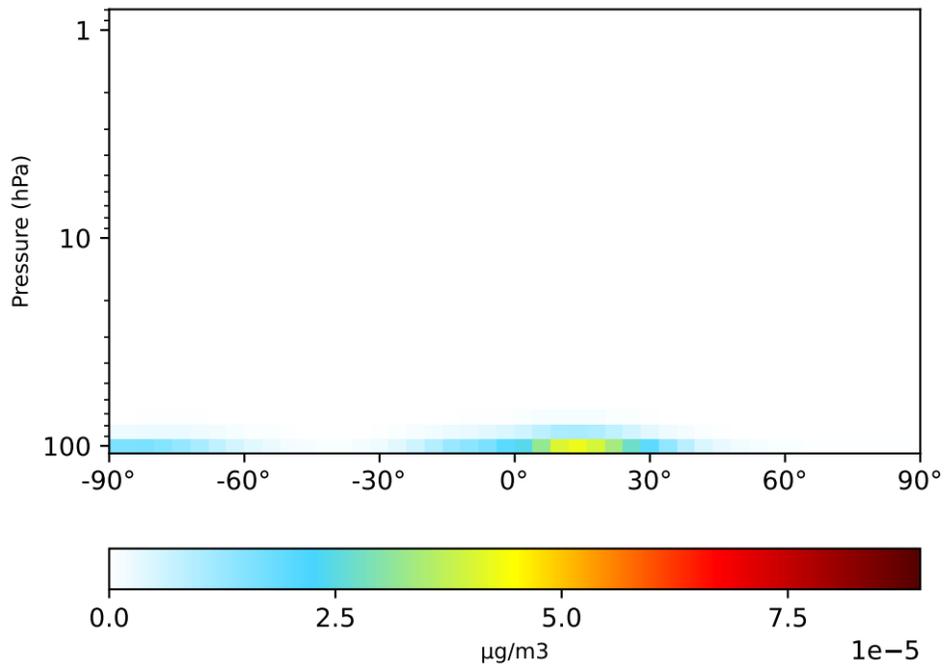


Ratio (1x1.25)  
Dev/Ref, Fixed Range

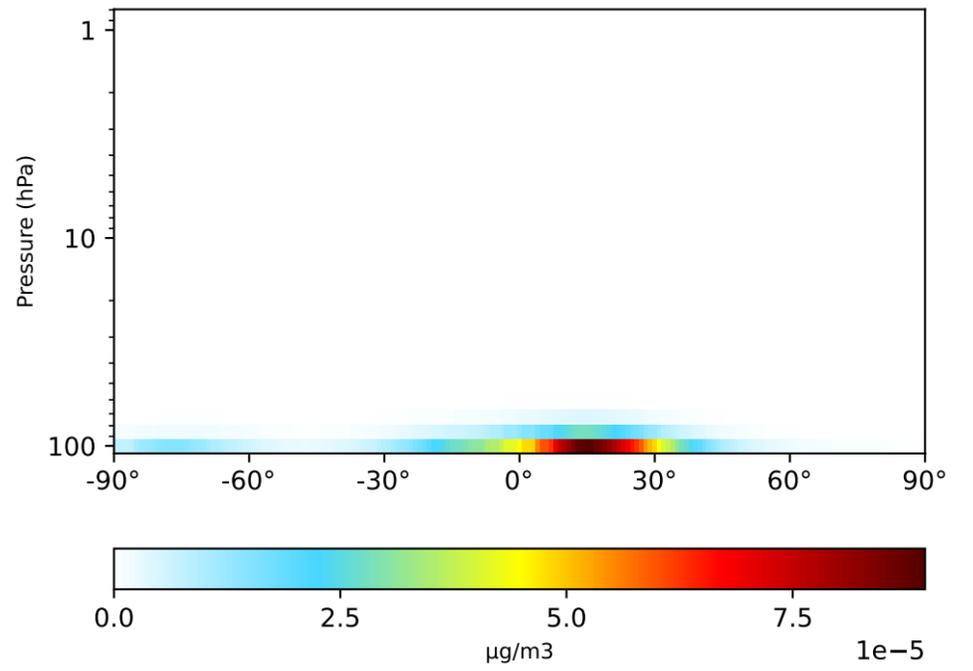


# SpeciesConcVV\_DSTbin5, Zonal Mean (Oct2019)

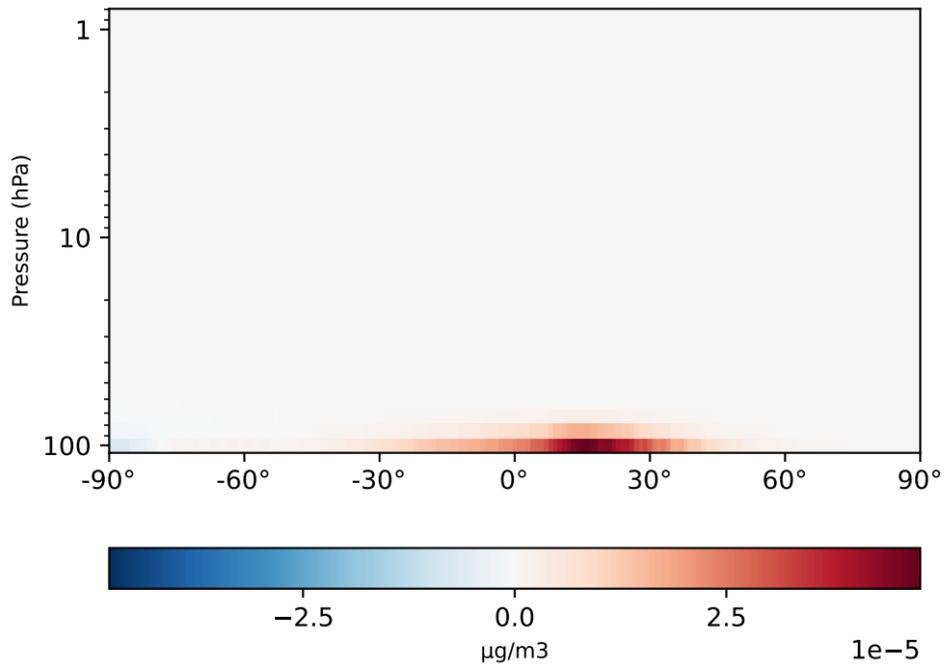
gcc.14.7.0-rc.0 (Ref)  
4.0x5.0



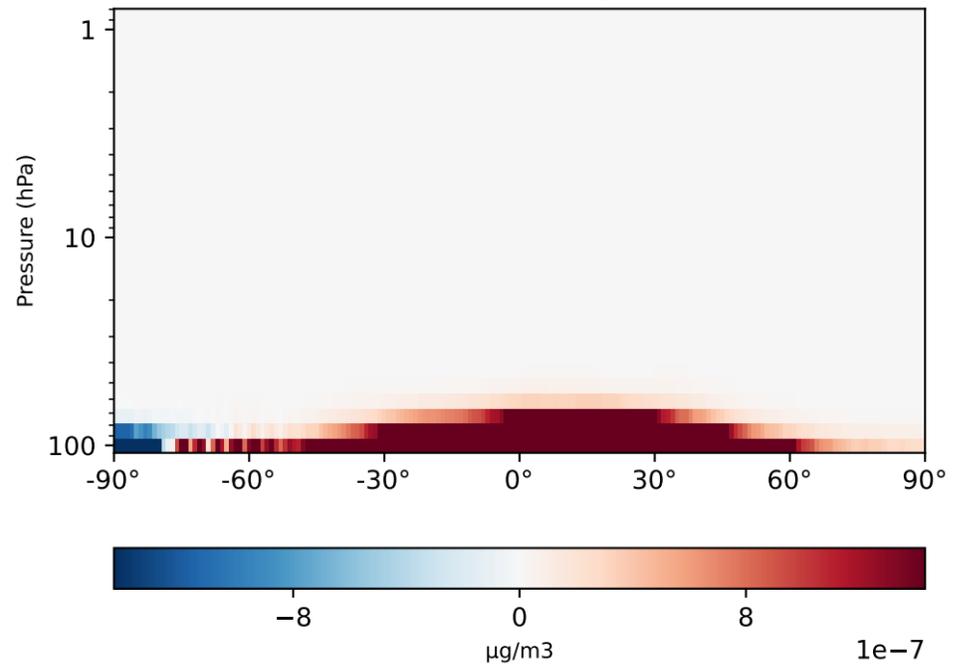
gchp.14.7.0-rc.0 (Dev)  
1x1.25 regridded from c24



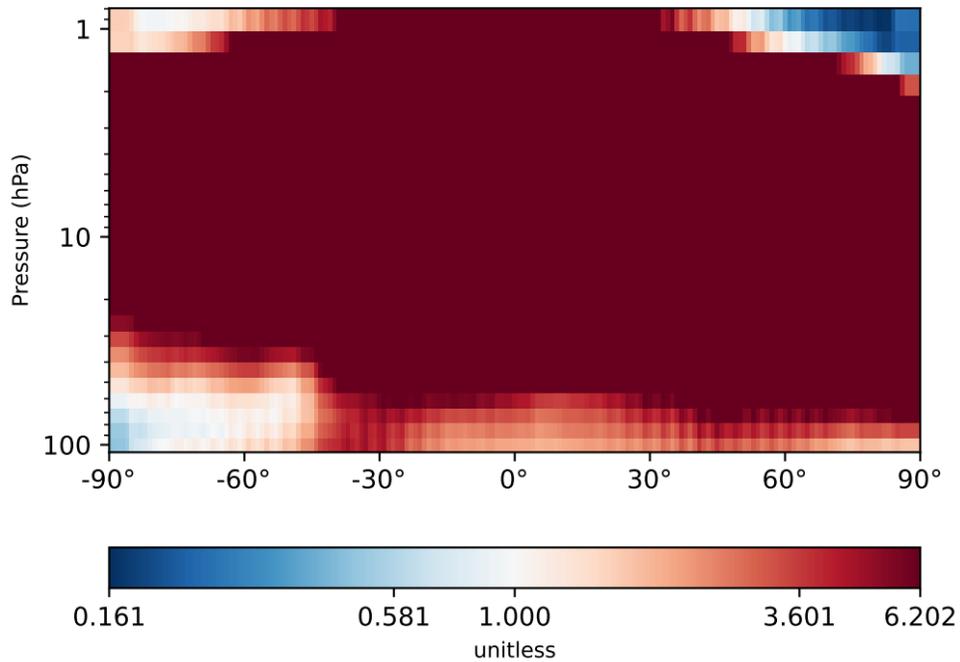
Difference (1x1.25)  
Dev - Ref, Dynamic Range



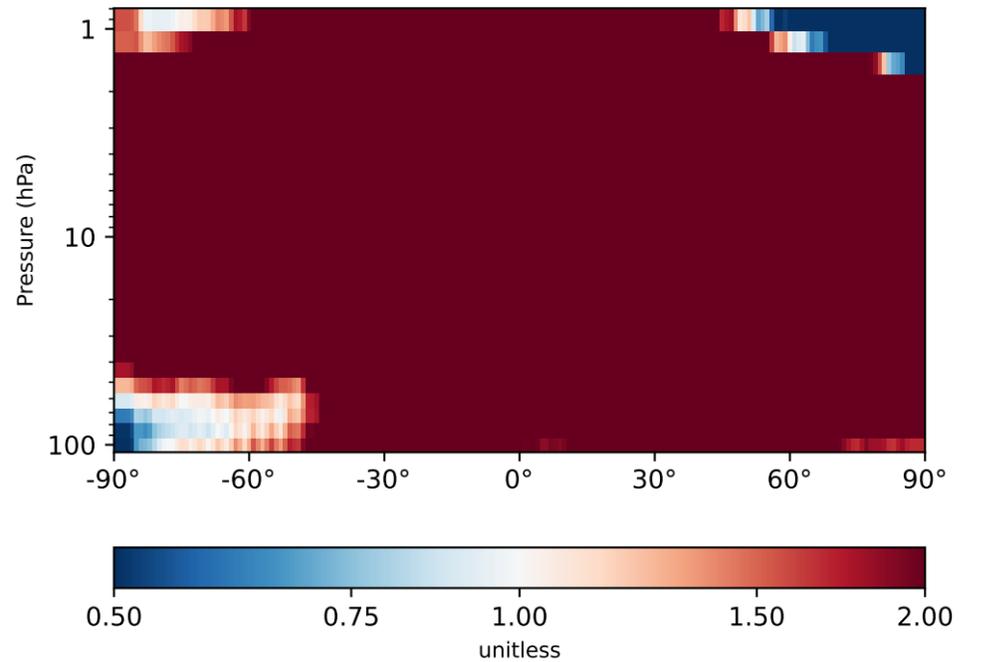
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

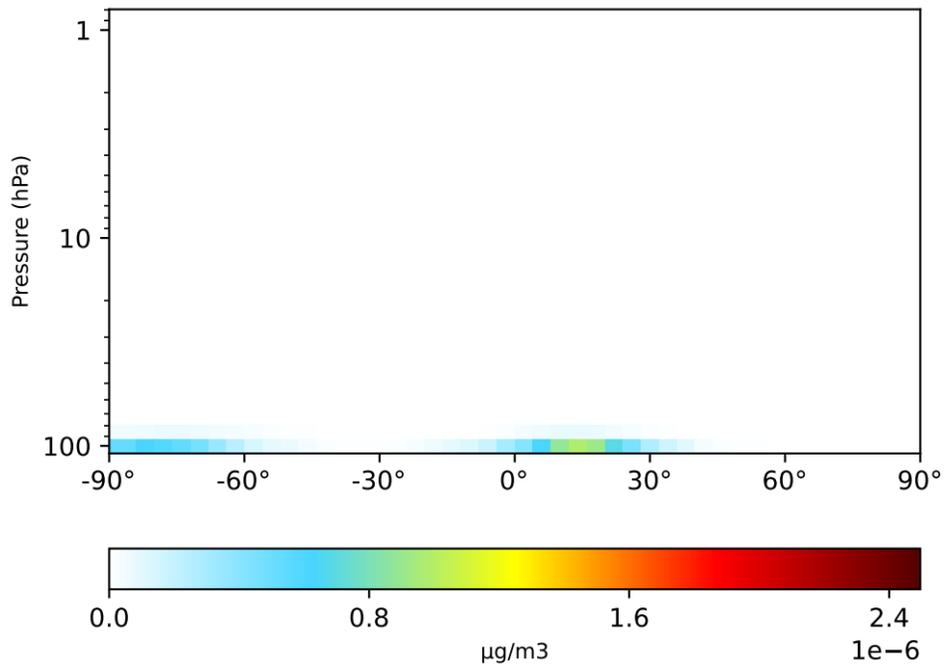


Ratio (1x1.25)  
Dev/Ref, Fixed Range

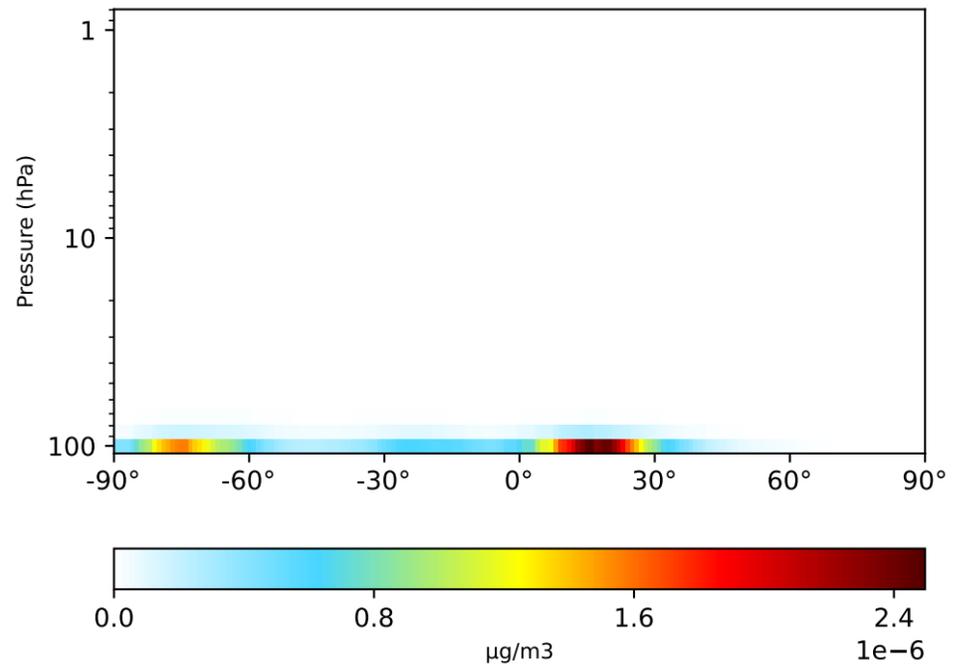


# SpeciesConcVV\_DSTbin6, Zonal Mean (Oct2019)

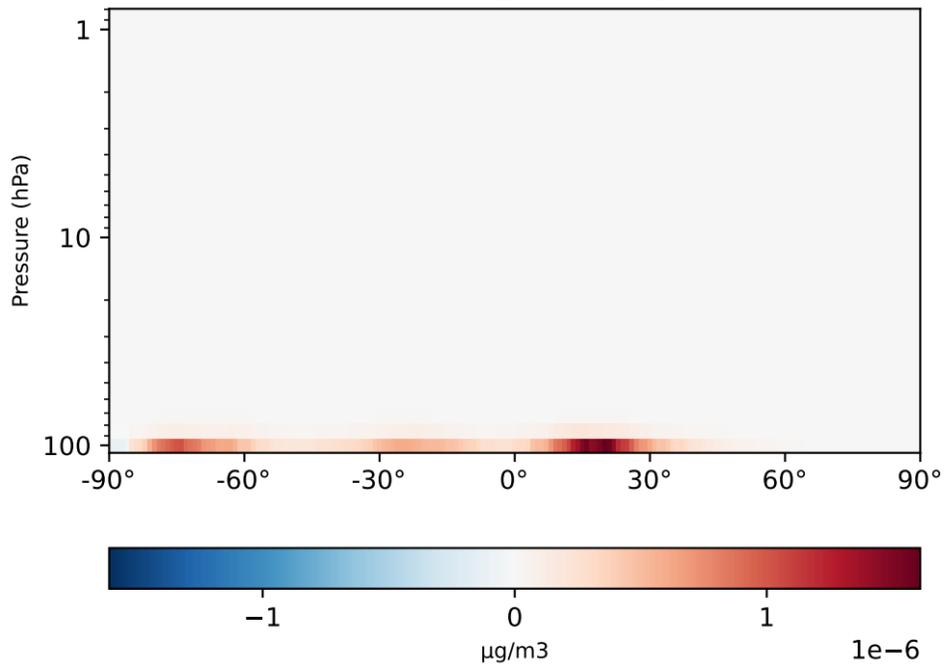
gcc.14.7.0-rc.0 (Ref)  
4.0x5.0



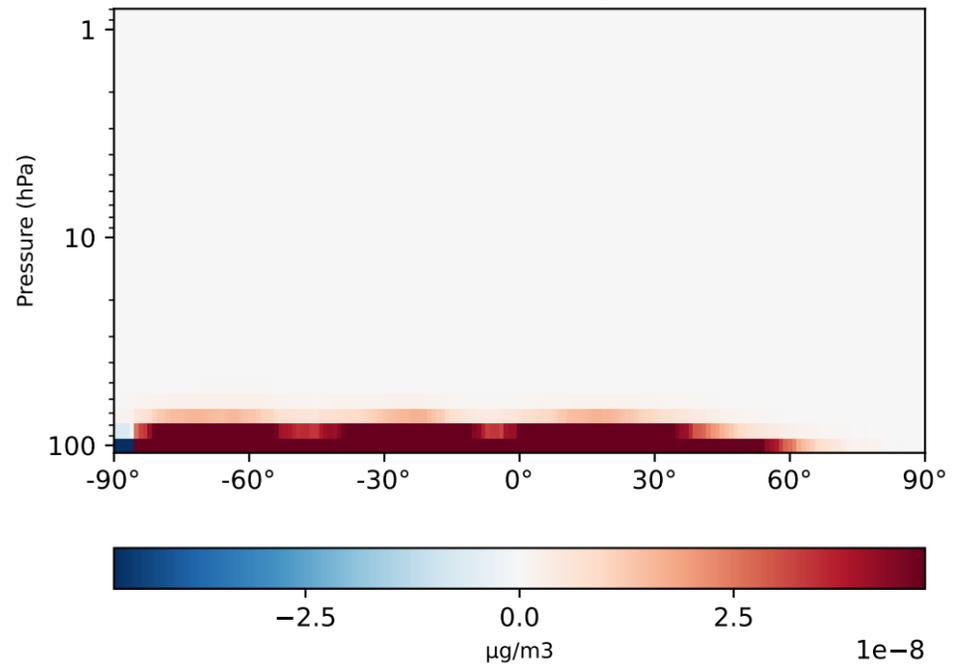
gchp.14.7.0-rc.0 (Dev)  
1x1.25 regridded from c24



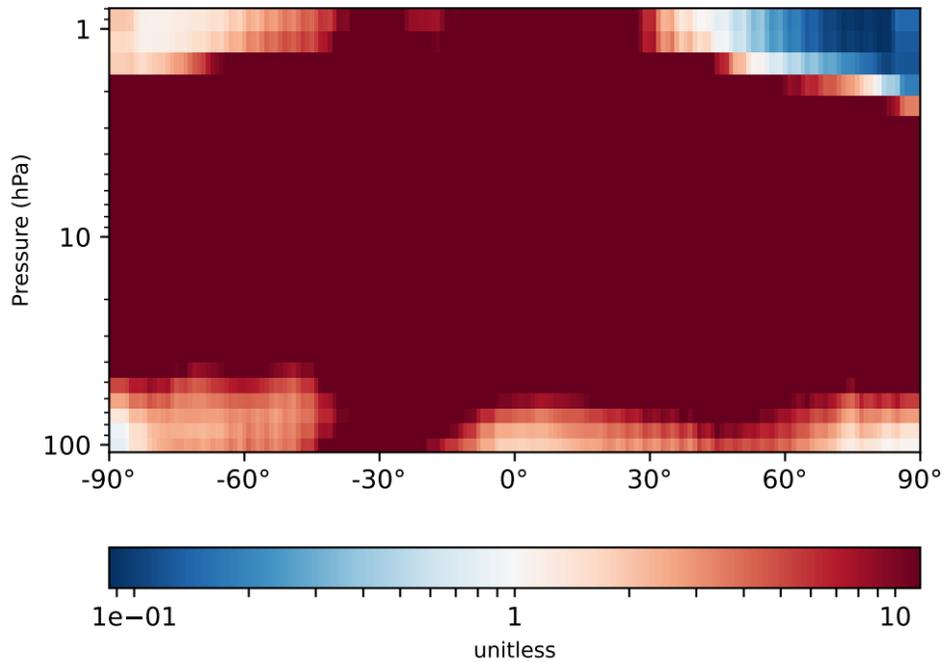
Difference (1x1.25)  
Dev - Ref, Dynamic Range



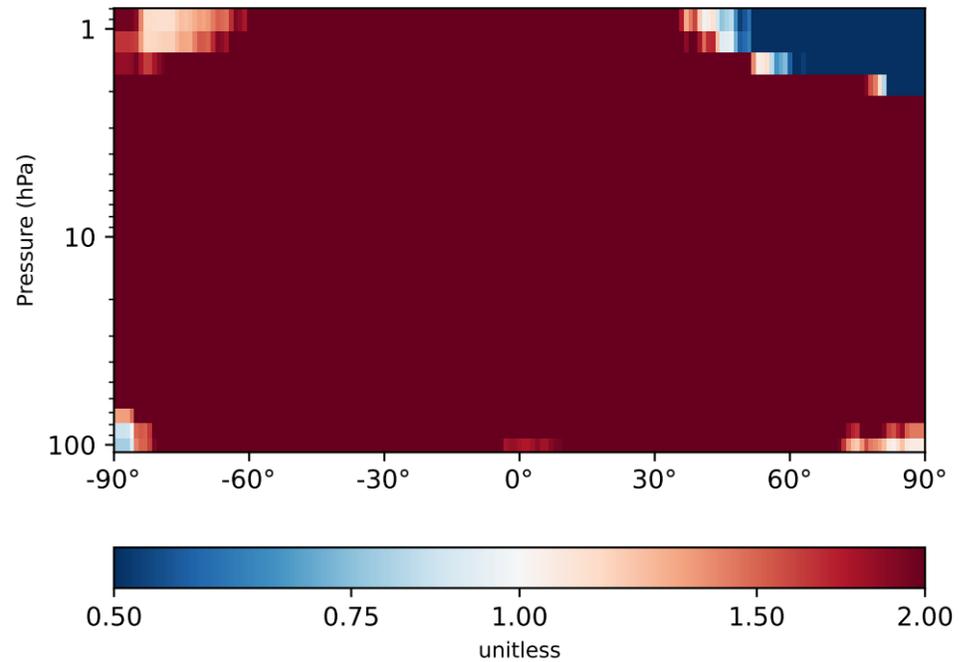
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

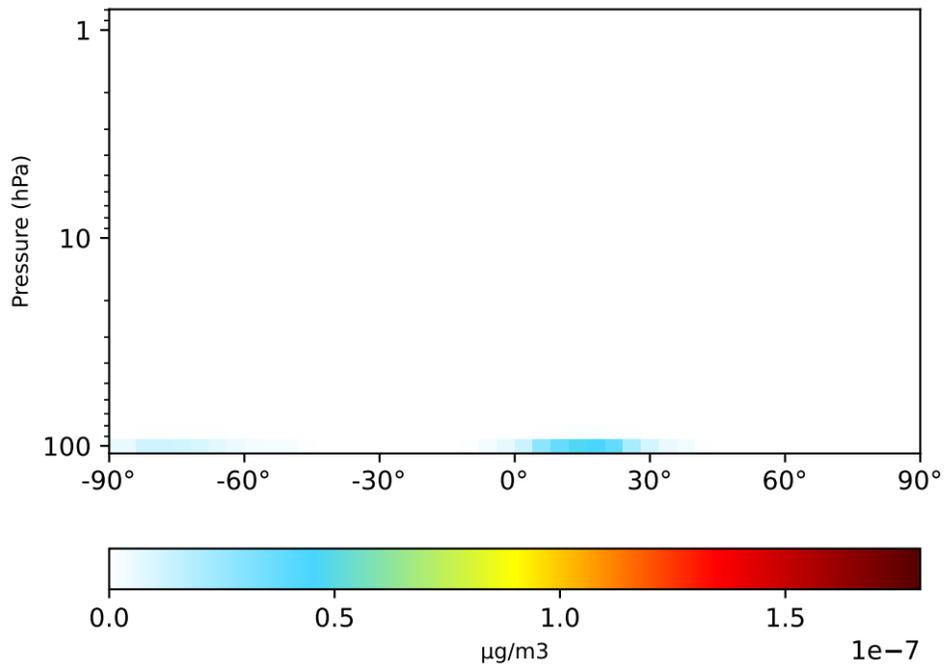


Ratio (1x1.25)  
Dev/Ref, Fixed Range

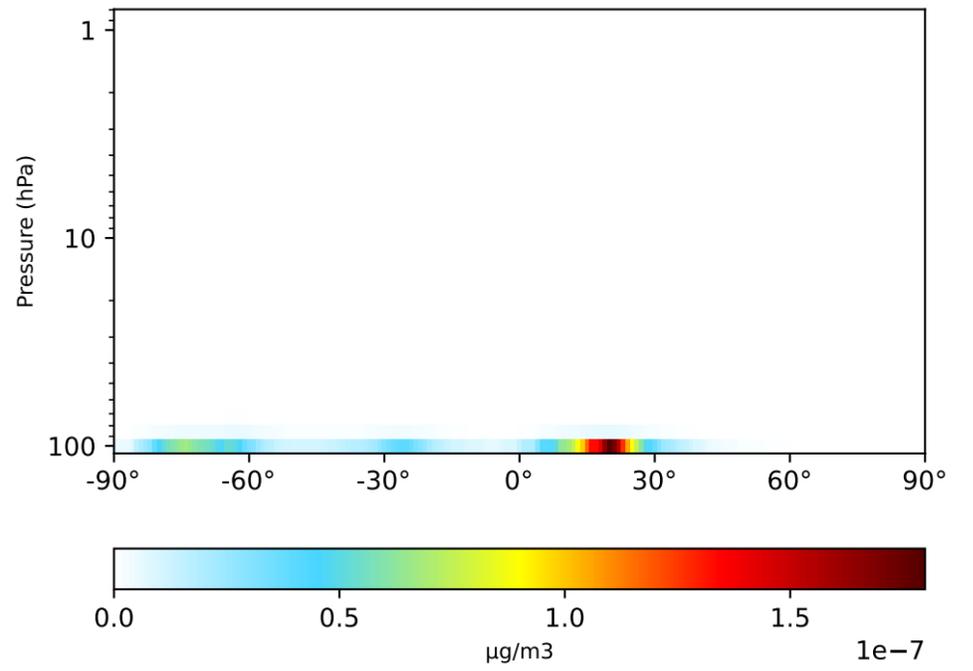


# SpeciesConcVV\_DSTbin7, Zonal Mean (Oct2019)

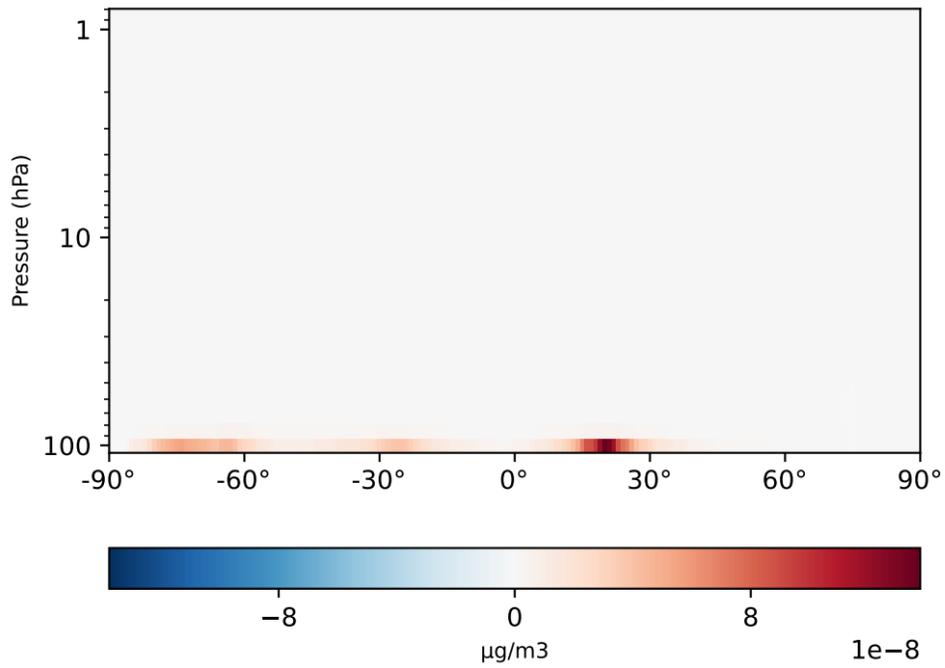
gcc.14.7.0-rc.0 (Ref)  
4.0x5.0



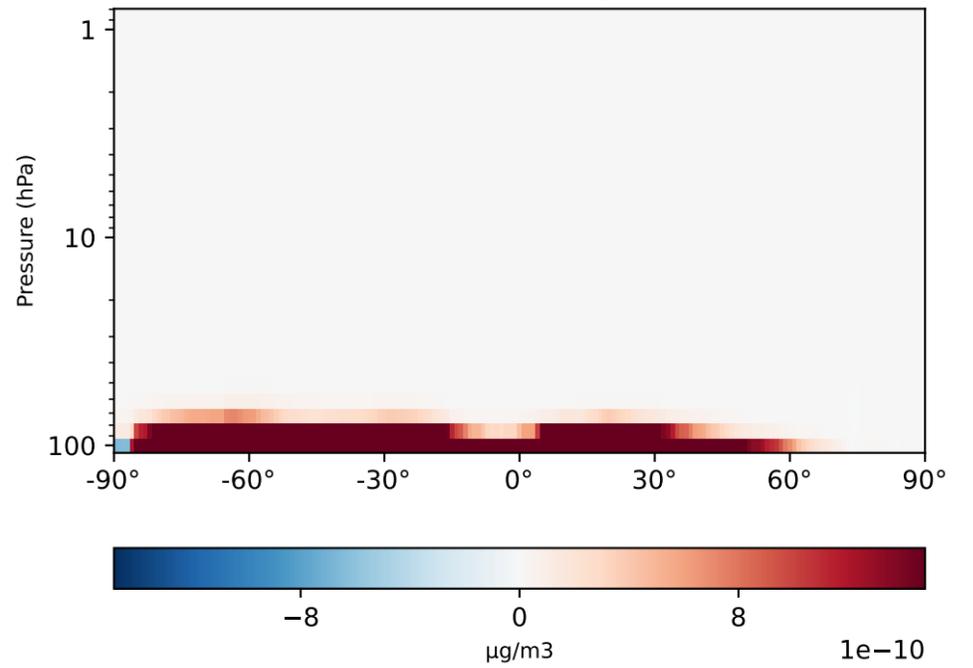
gchp.14.7.0-rc.0 (Dev)  
1x1.25 regridded from c24



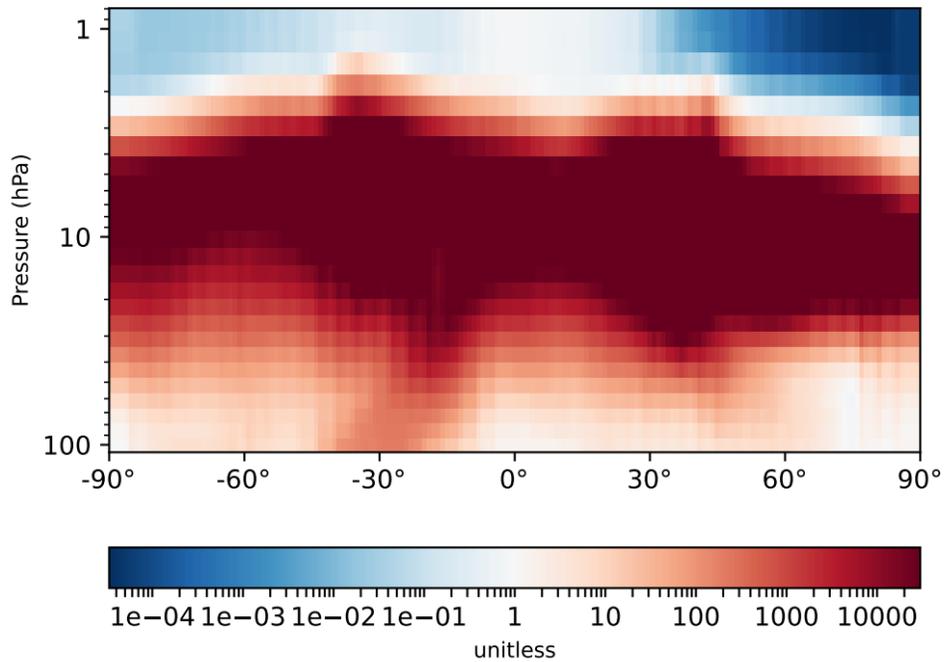
Difference (1x1.25)  
Dev - Ref, Dynamic Range



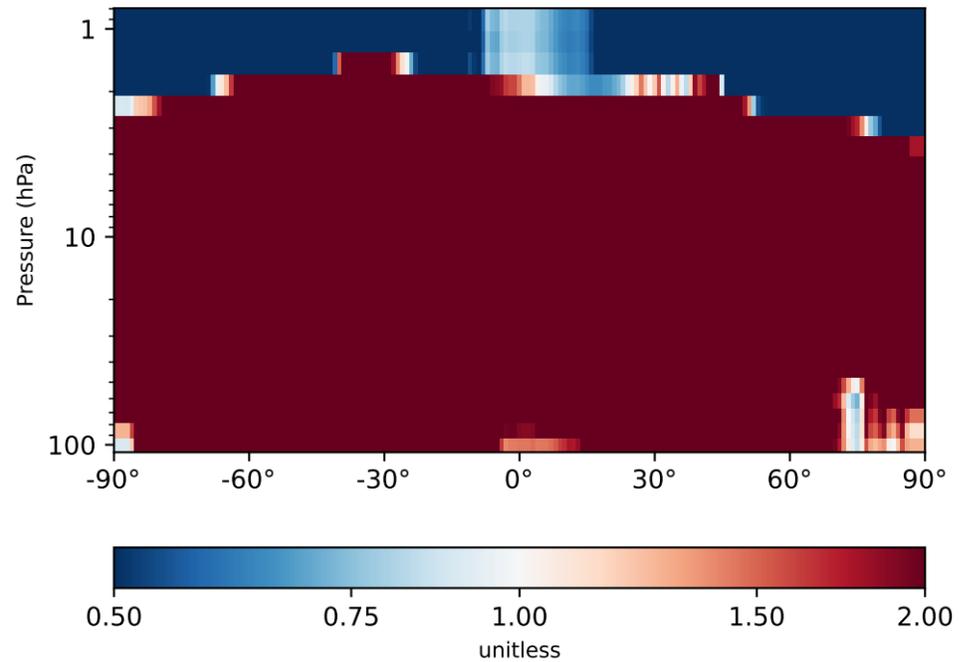
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

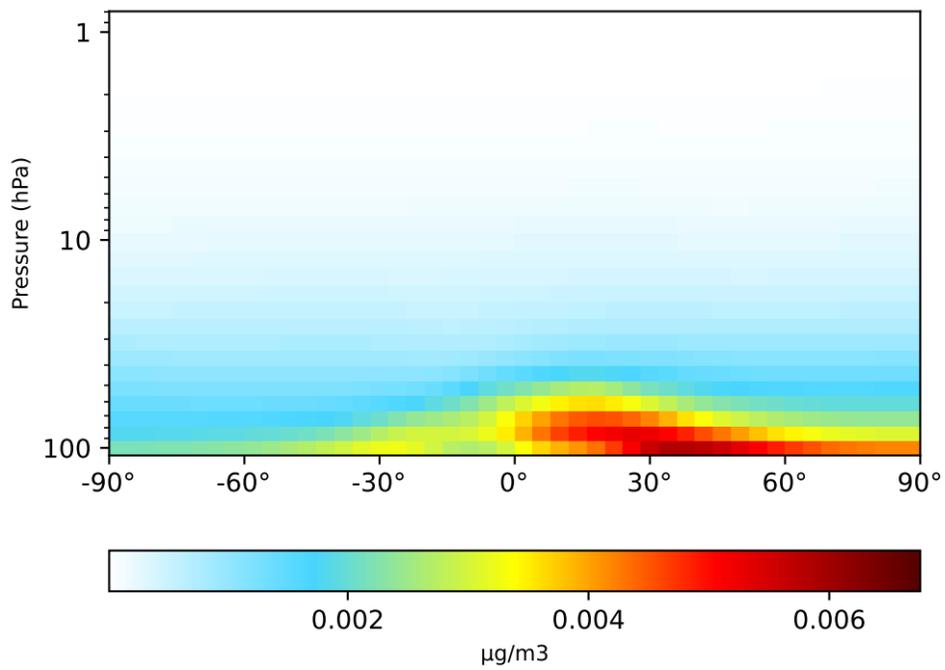


Ratio (1x1.25)  
Dev/Ref, Fixed Range

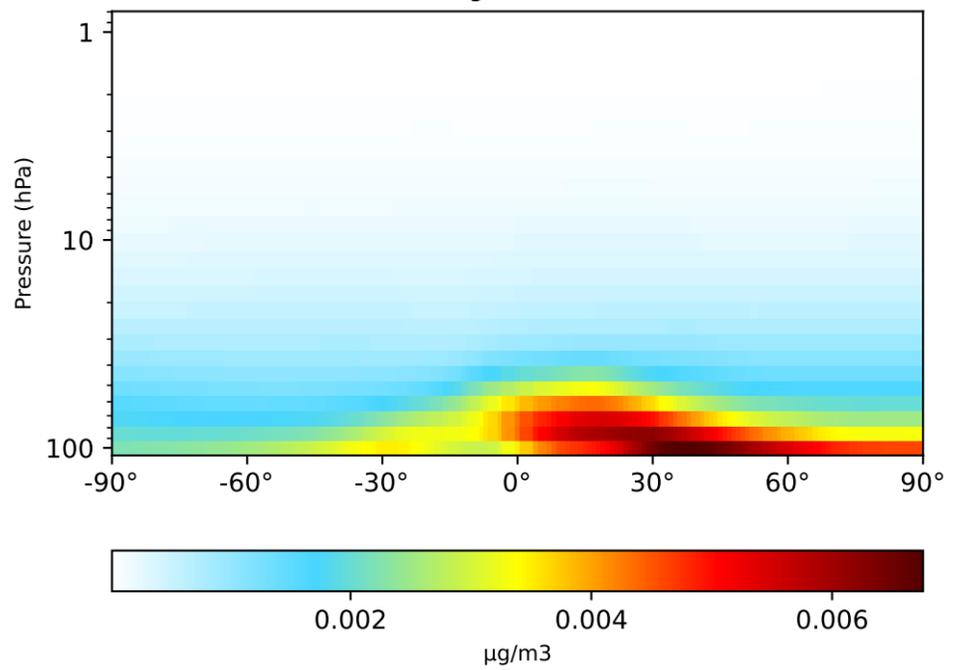


# SpeciesConcVV\_NH4, Zonal Mean (Oct2019)

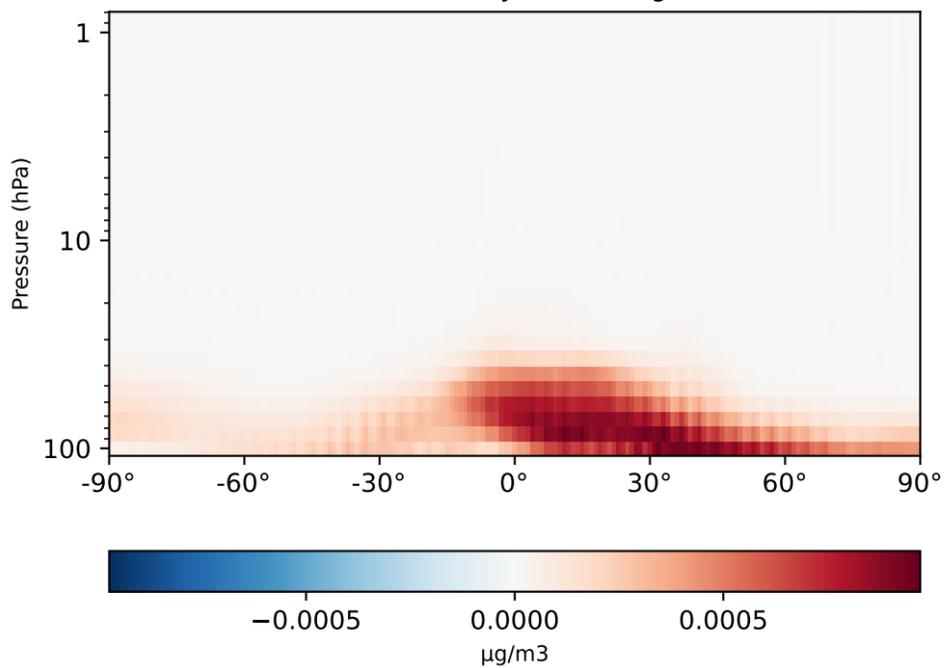
gcc.14.7.0-rc.0 (Ref)  
4.0x5.0



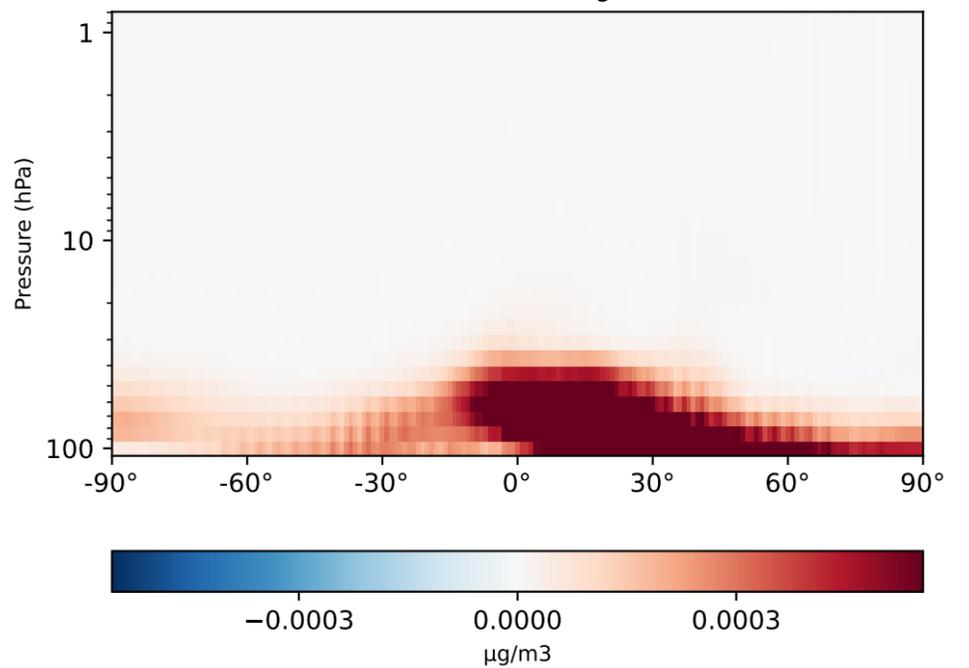
gchp.14.7.0-rc.0 (Dev)  
1x1.25 regridded from c24



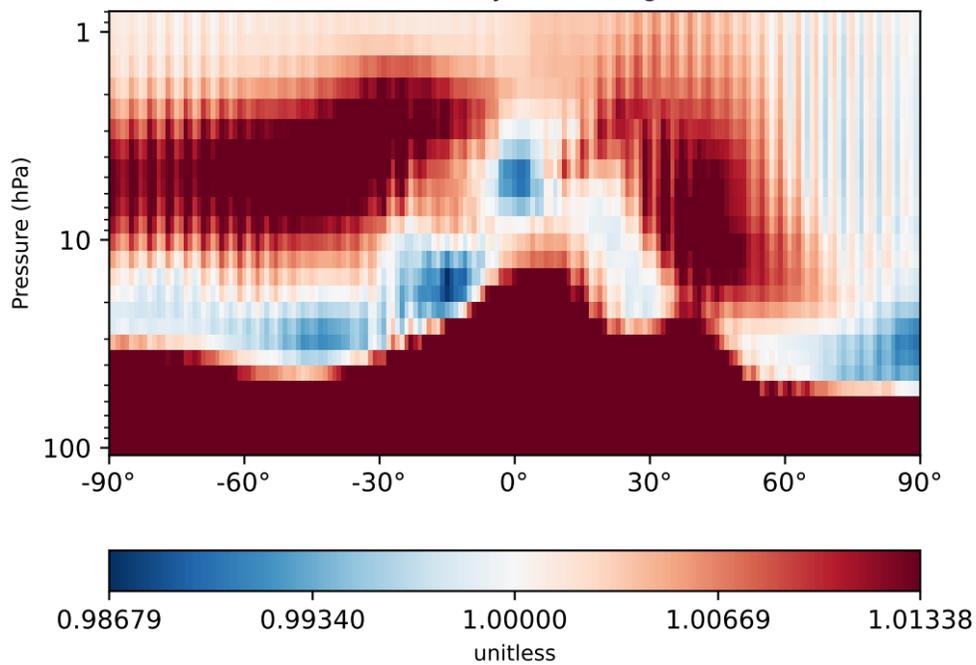
Difference (1x1.25)  
Dev - Ref, Dynamic Range



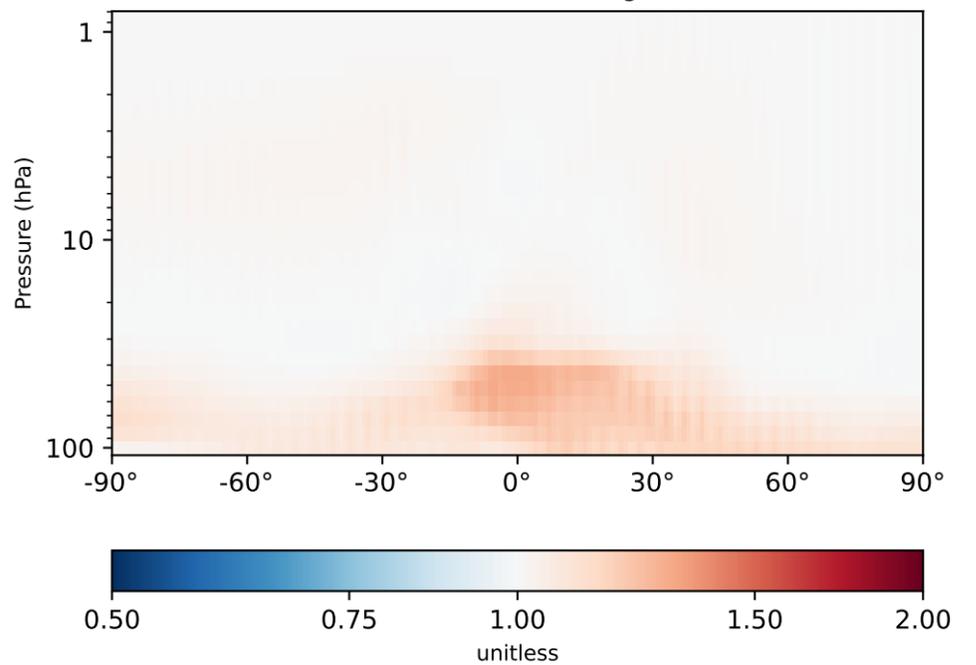
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

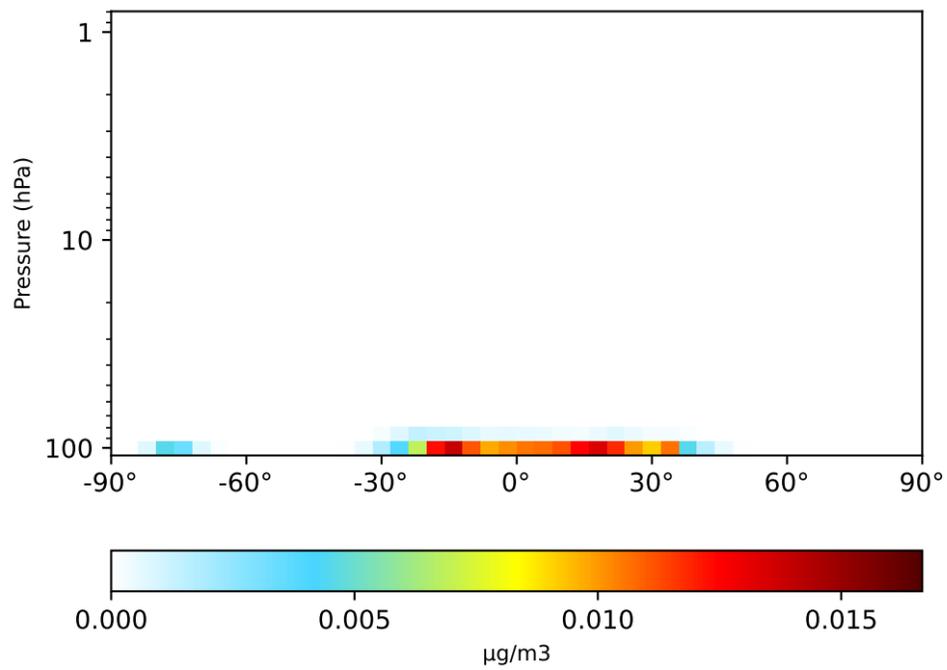


Ratio (1x1.25)  
Dev/Ref, Fixed Range

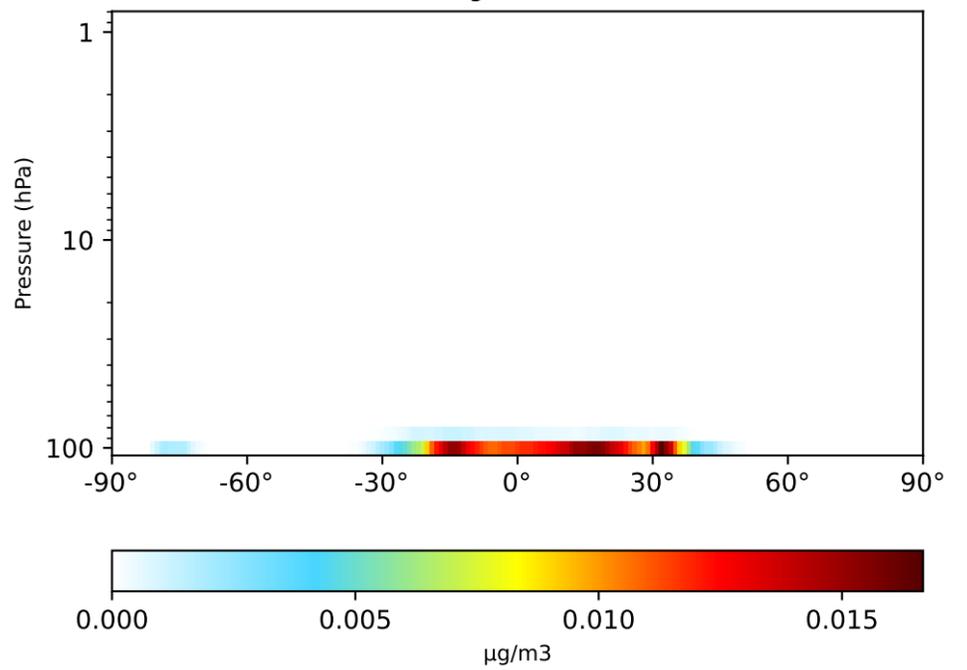


# SpeciesConcVV\_NIT, Zonal Mean (Oct2019)

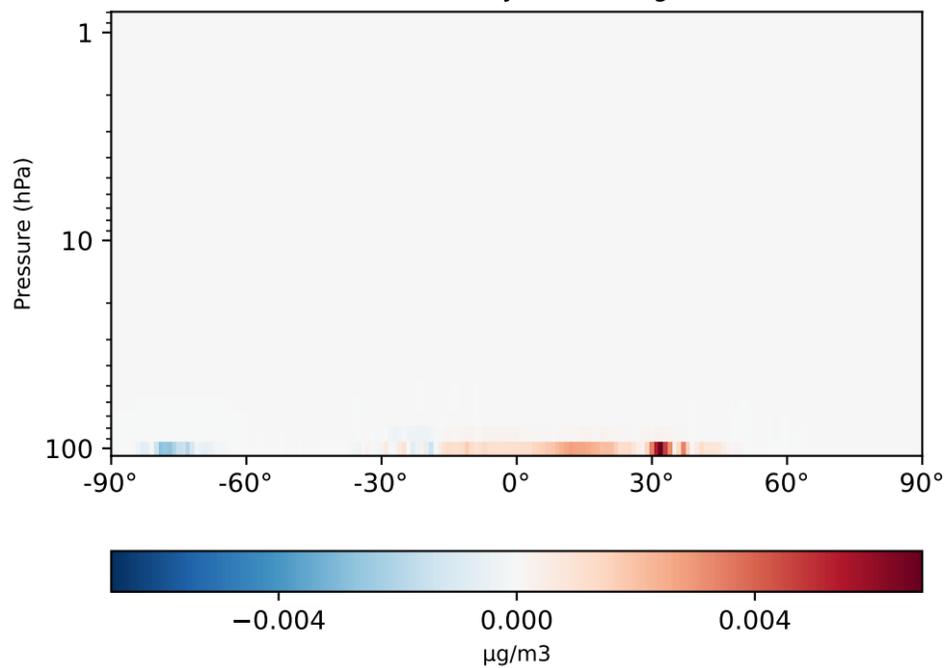
gcc.14.7.0-rc.0 (Ref)  
4.0x5.0



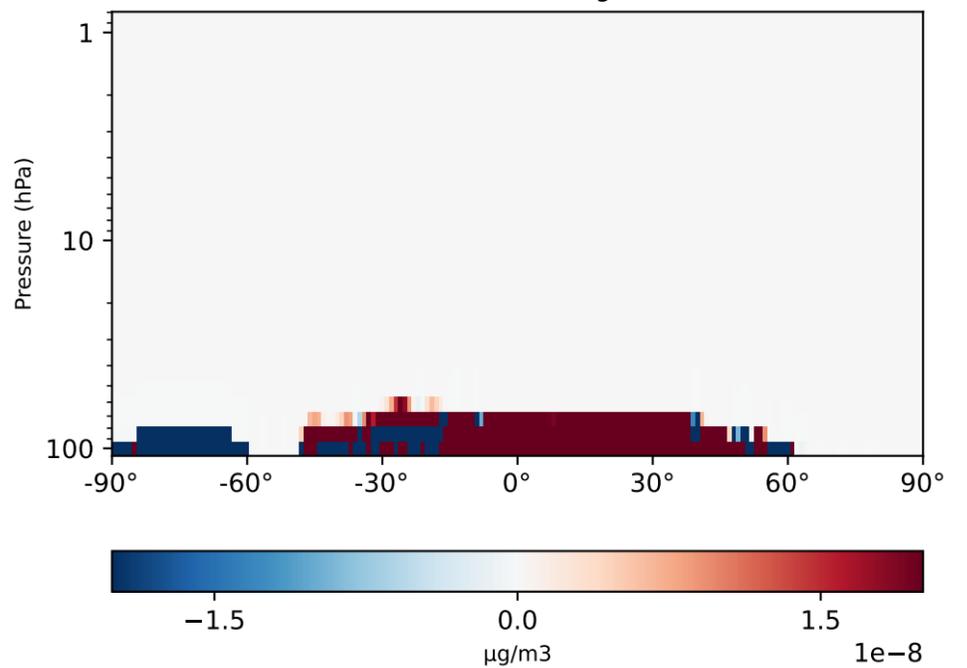
gchp.14.7.0-rc.0 (Dev)  
1x1.25 regridded from c24



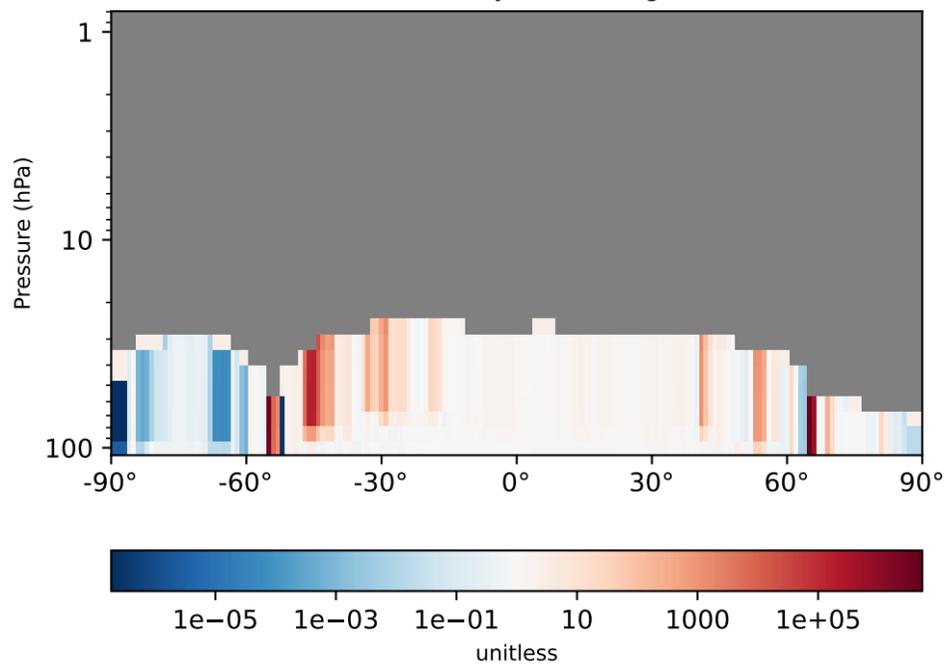
Difference (1x1.25)  
Dev - Ref, Dynamic Range



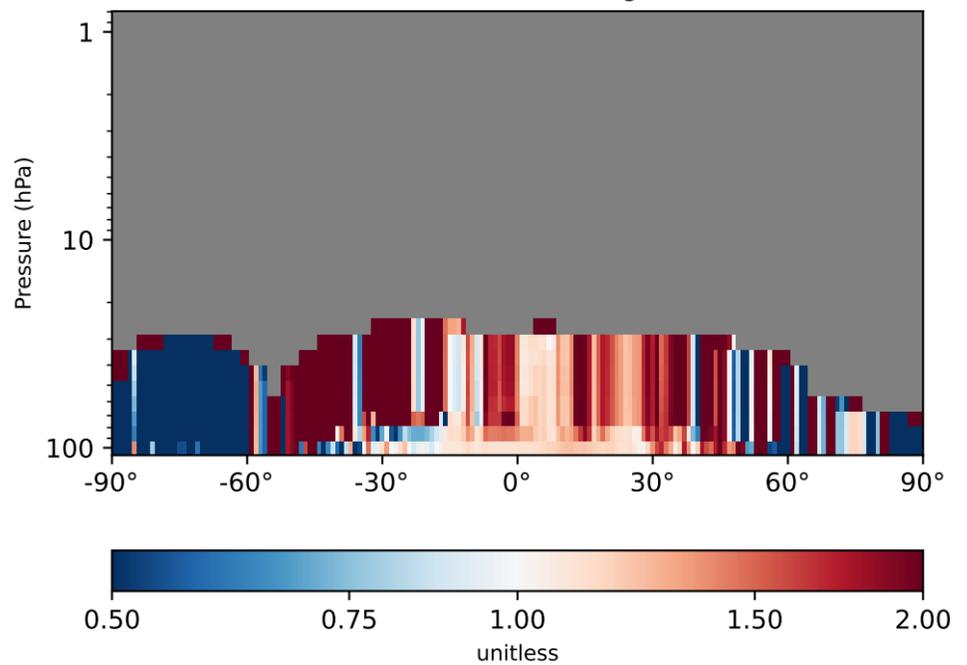
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

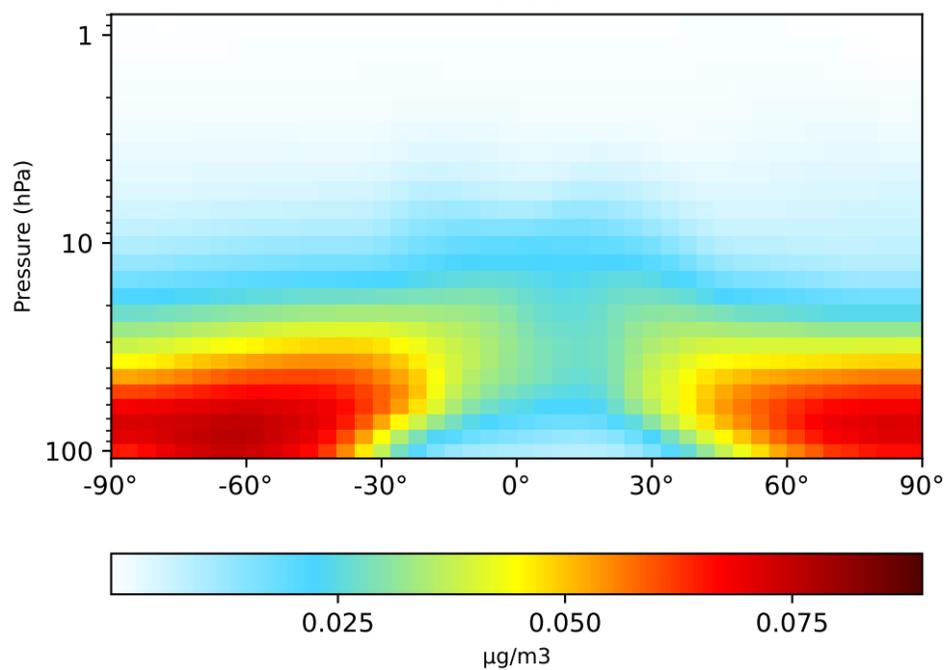


Ratio (1x1.25)  
Dev/Ref, Fixed Range

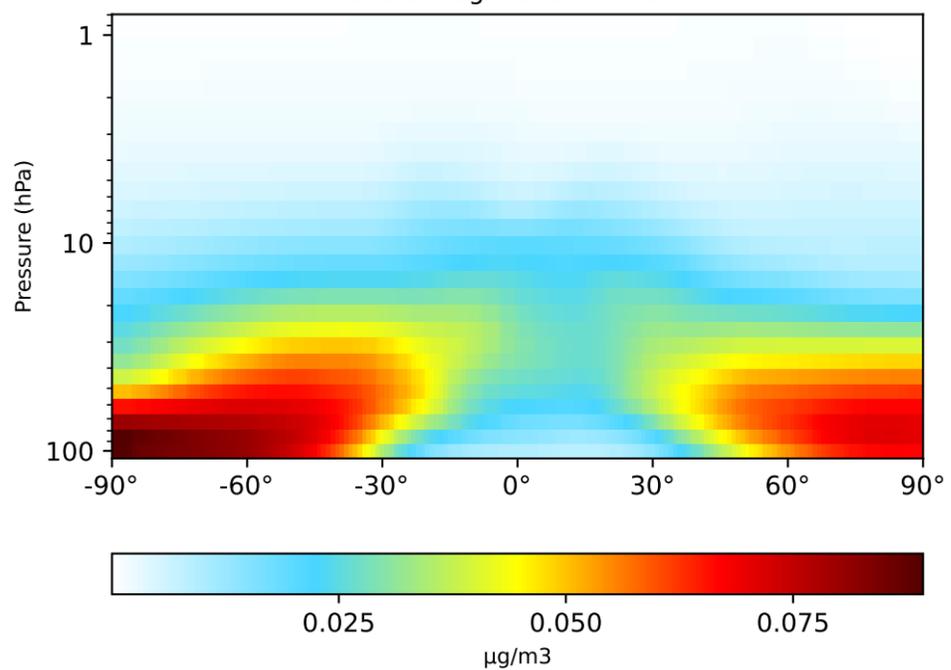


# SpeciesConcVV\_SO4, Zonal Mean (Oct2019)

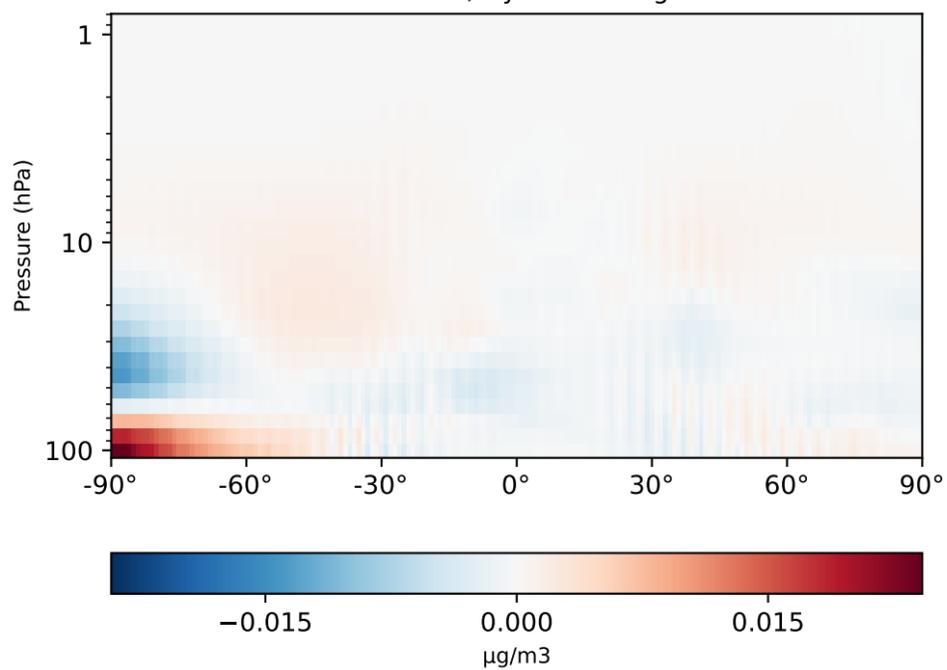
gcc.14.7.0-rc.0 (Ref)  
4.0x5.0



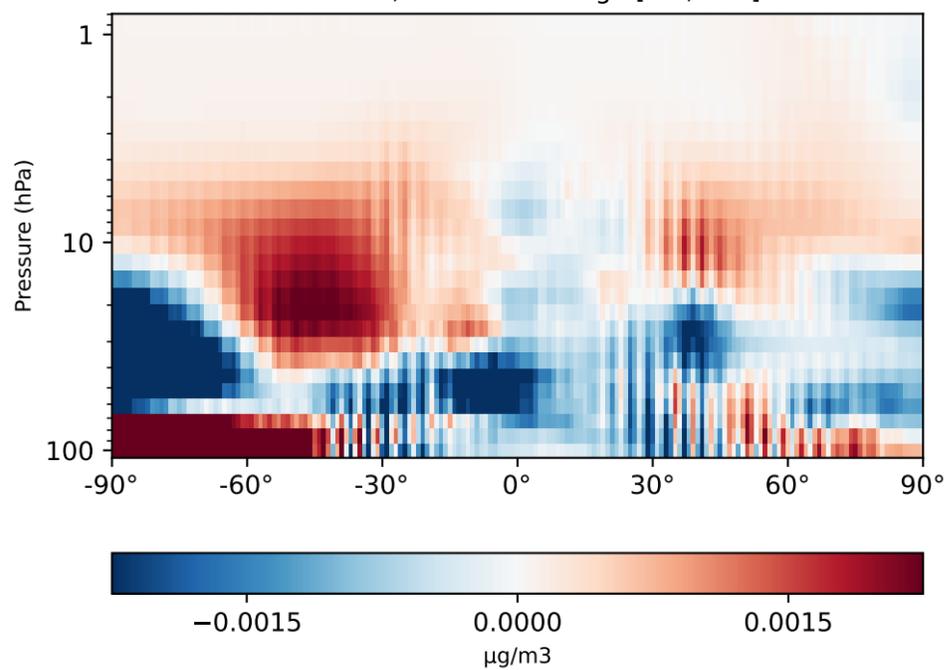
gchp.14.7.0-rc.0 (Dev)  
1x1.25 regridded from c24



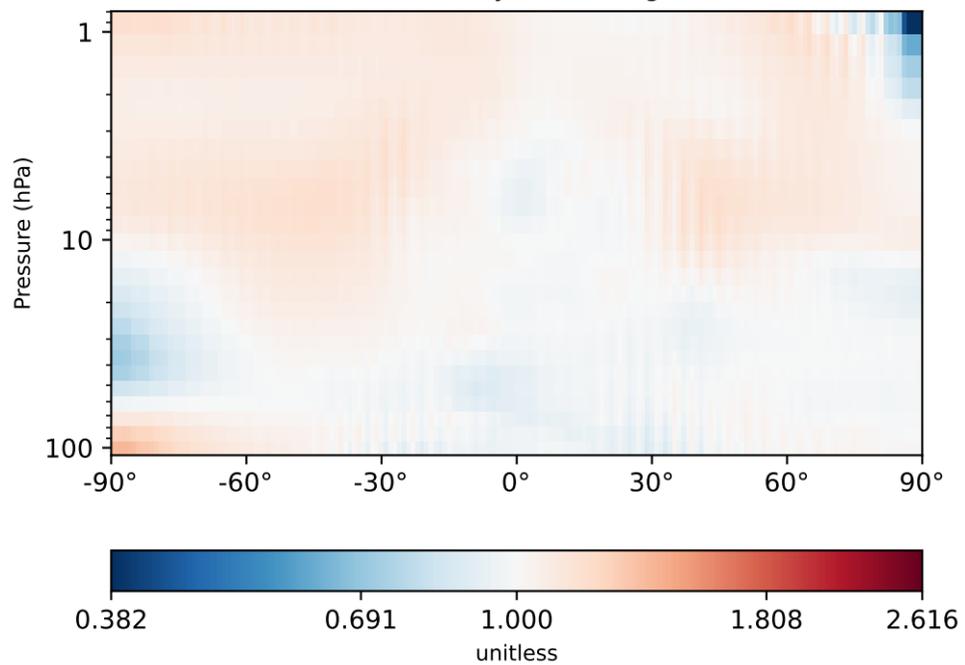
Difference (1x1.25)  
Dev - Ref, Dynamic Range



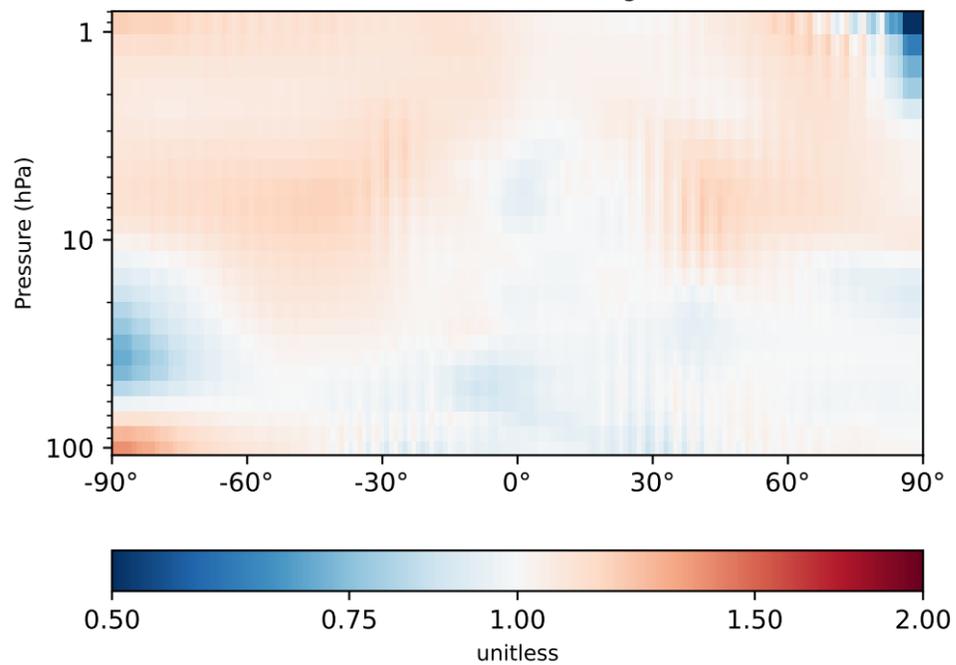
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

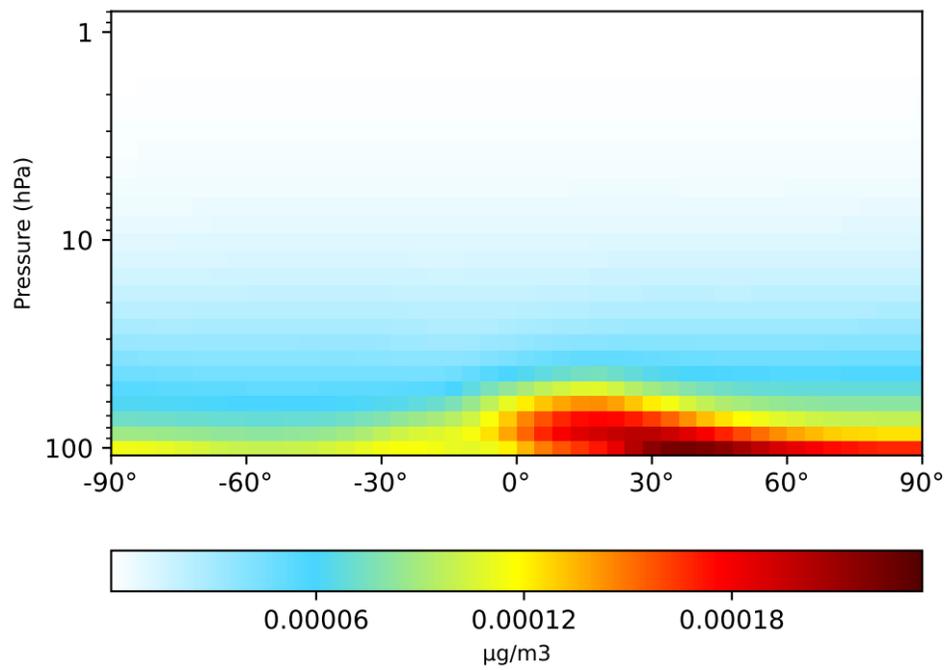


Ratio (1x1.25)  
Dev/Ref, Fixed Range

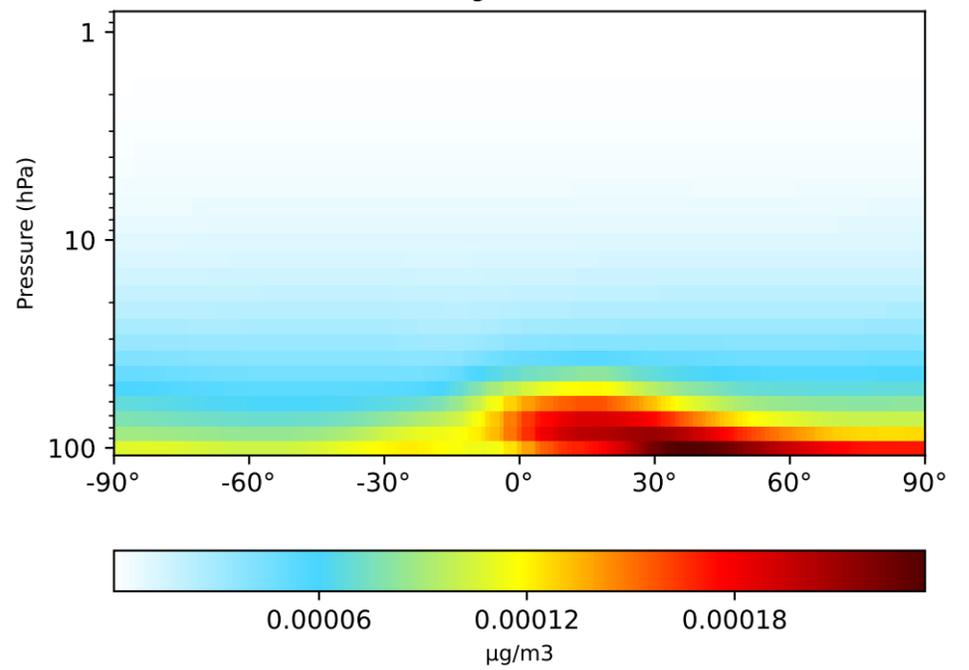


# SpeciesConcVV\_HMS, Zonal Mean (Oct2019)

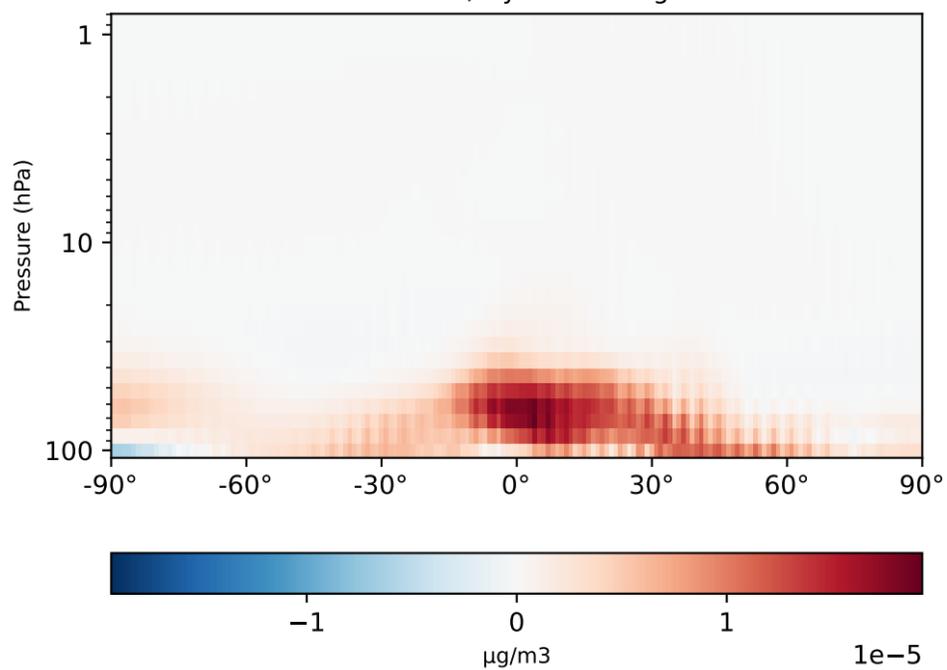
gcc.14.7.0-rc.0 (Ref)  
4.0x5.0



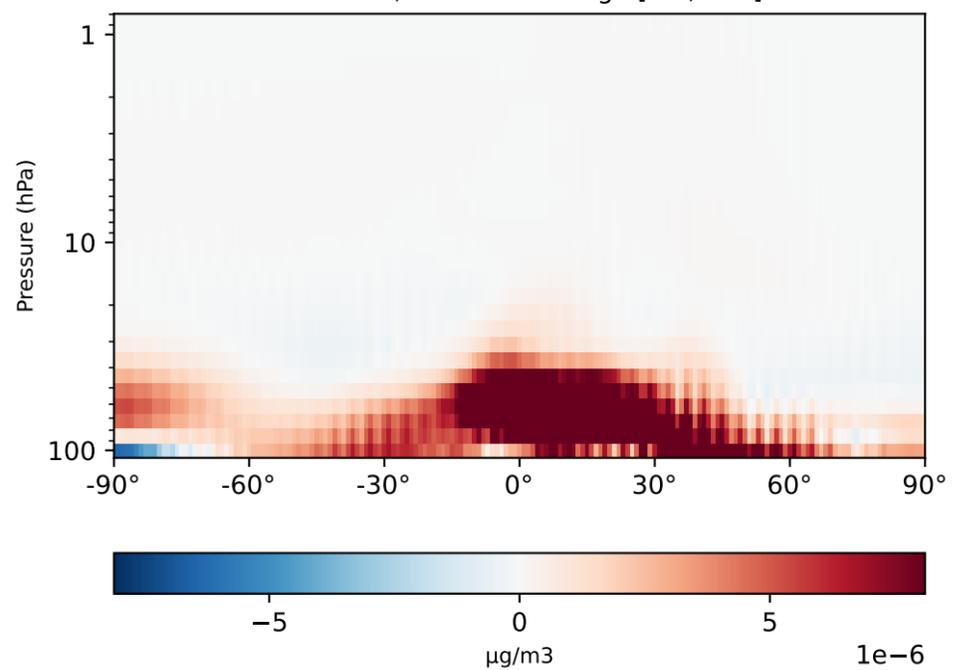
gchp.14.7.0-rc.0 (Dev)  
1x1.25 regridded from c24



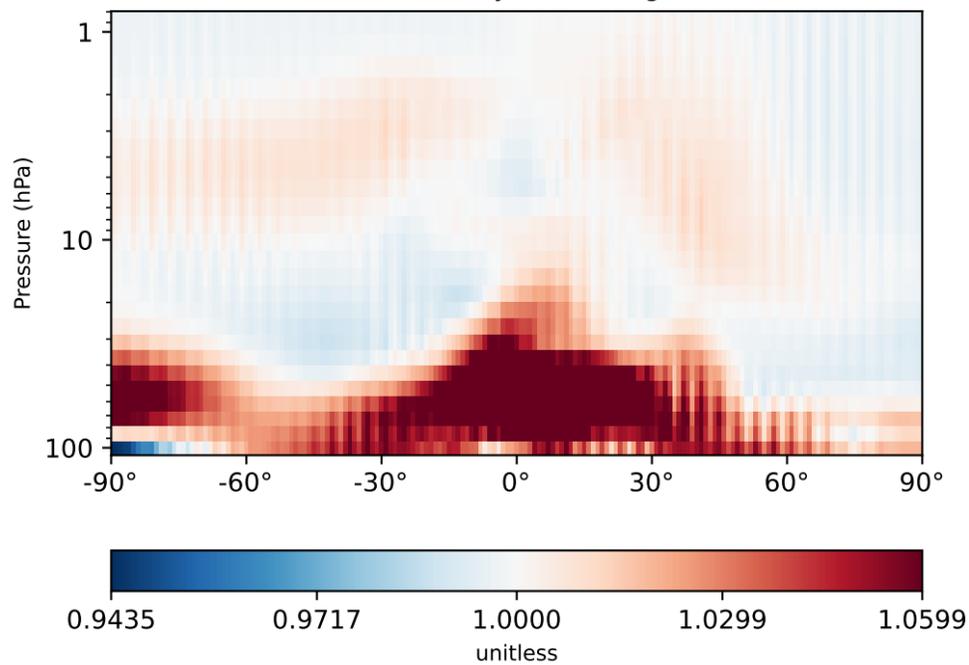
Difference (1x1.25)  
Dev - Ref, Dynamic Range



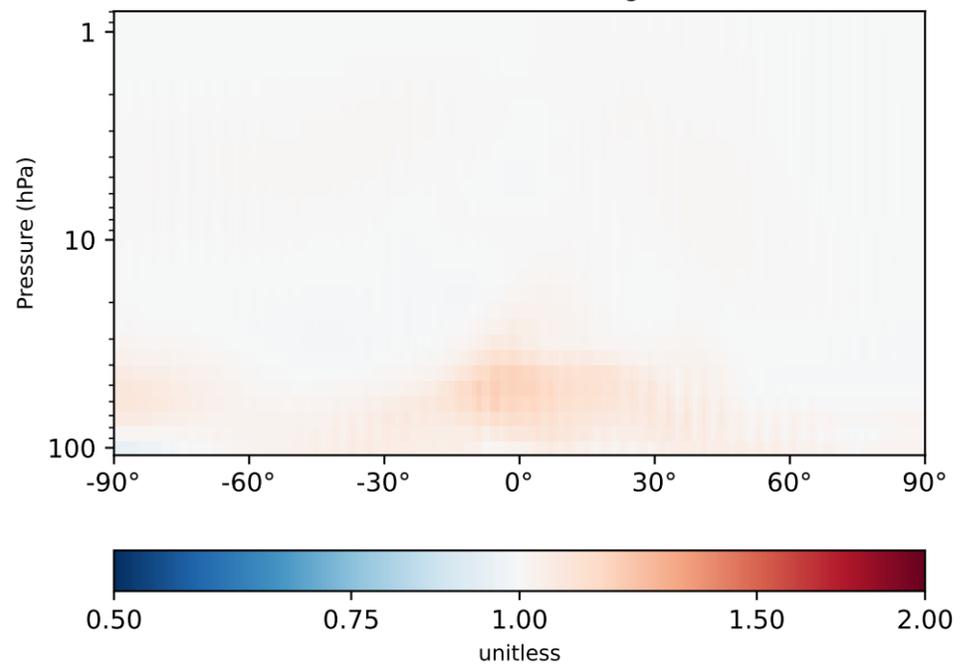
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

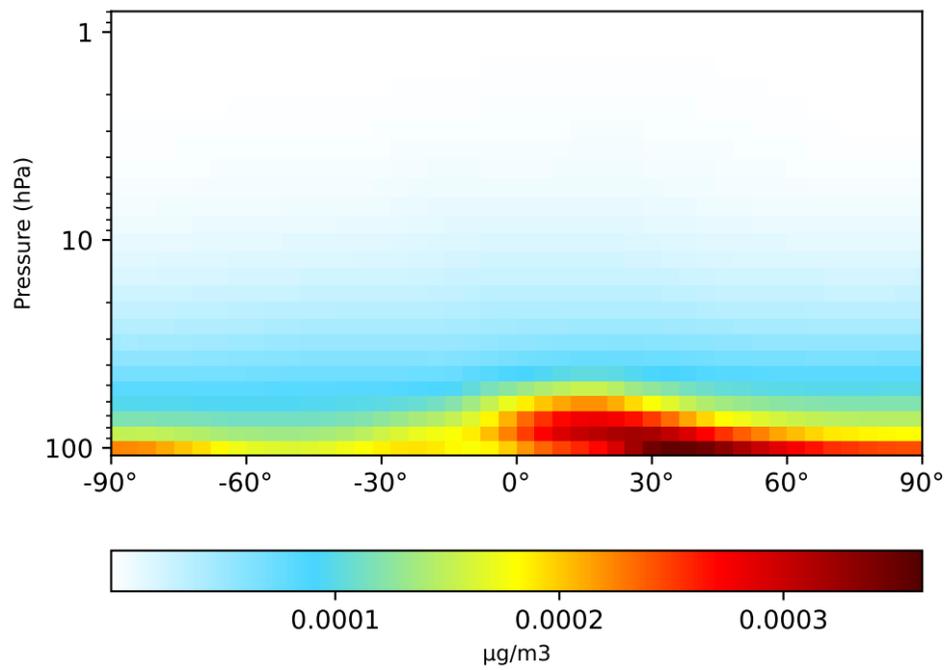


Ratio (1x1.25)  
Dev/Ref, Fixed Range

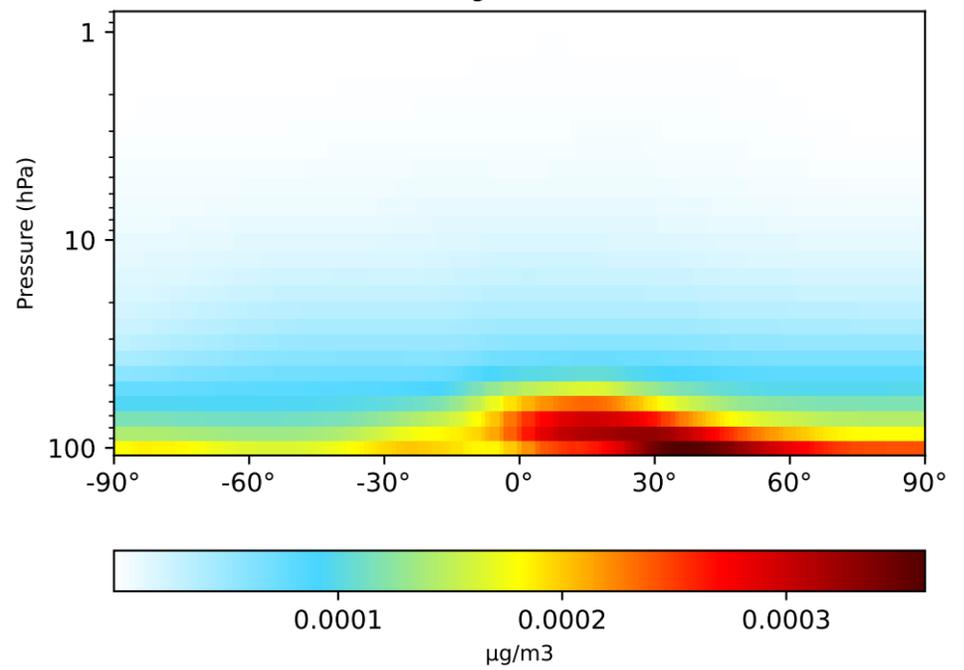


# SpeciesConcVV\_BCPI, Zonal Mean (Oct2019)

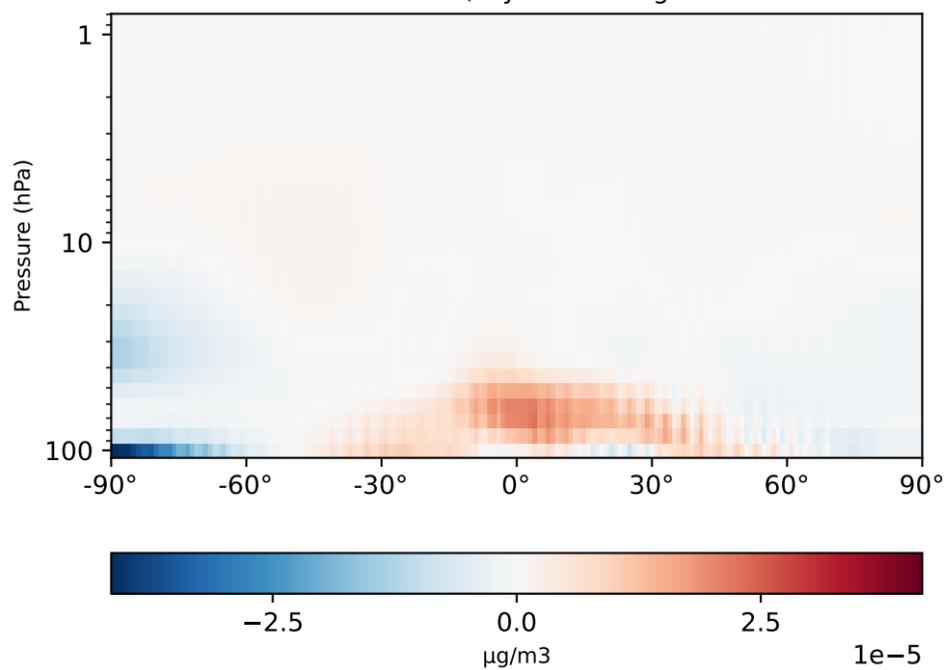
gcc.14.7.0-rc.0 (Ref)  
4.0x5.0



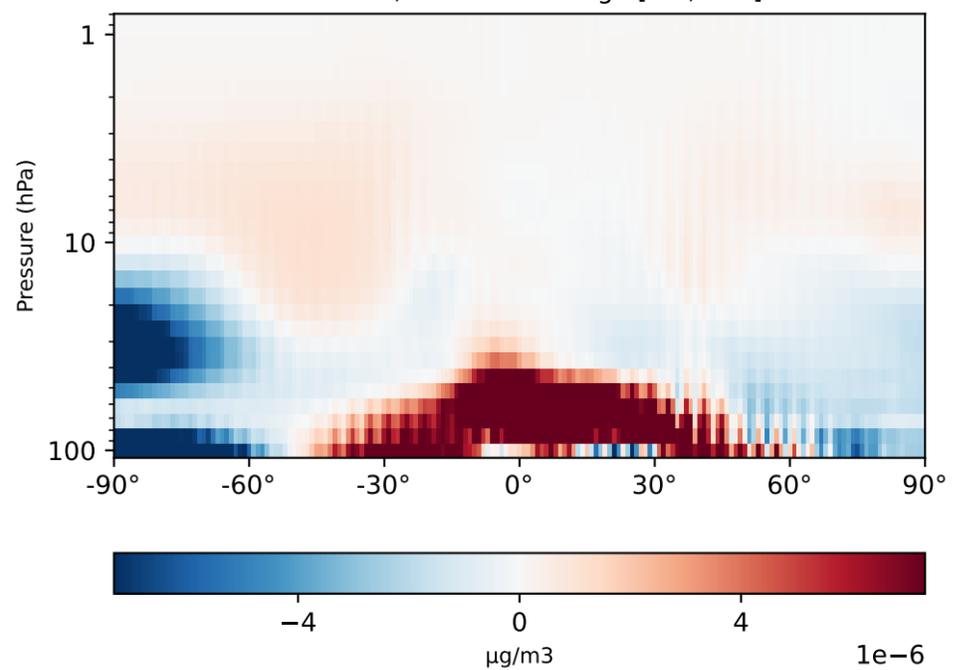
gchp.14.7.0-rc.0 (Dev)  
1x1.25 regridded from c24



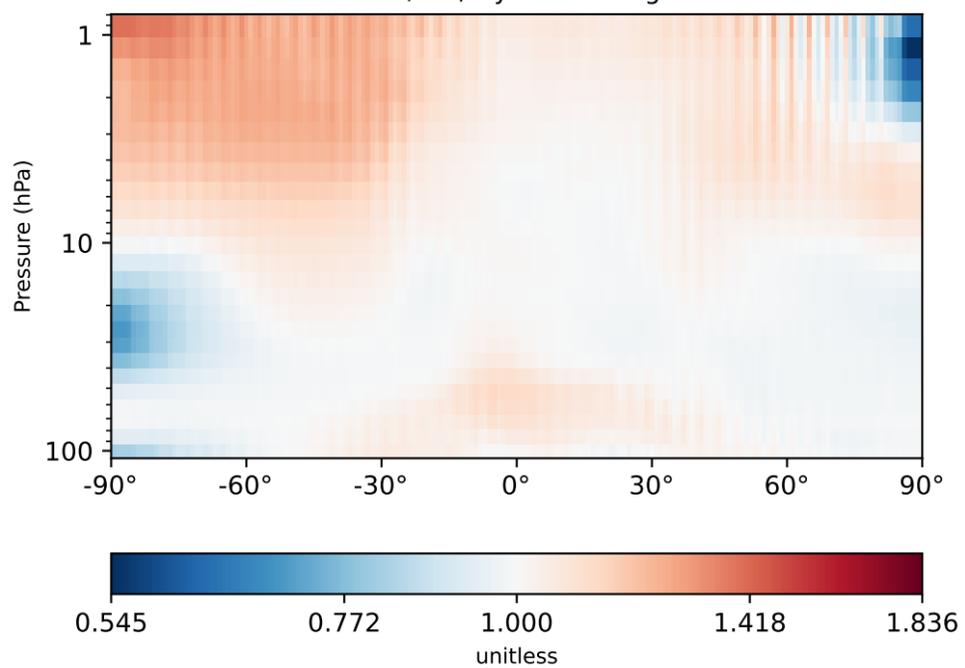
Difference (1x1.25)  
Dev - Ref, Dynamic Range



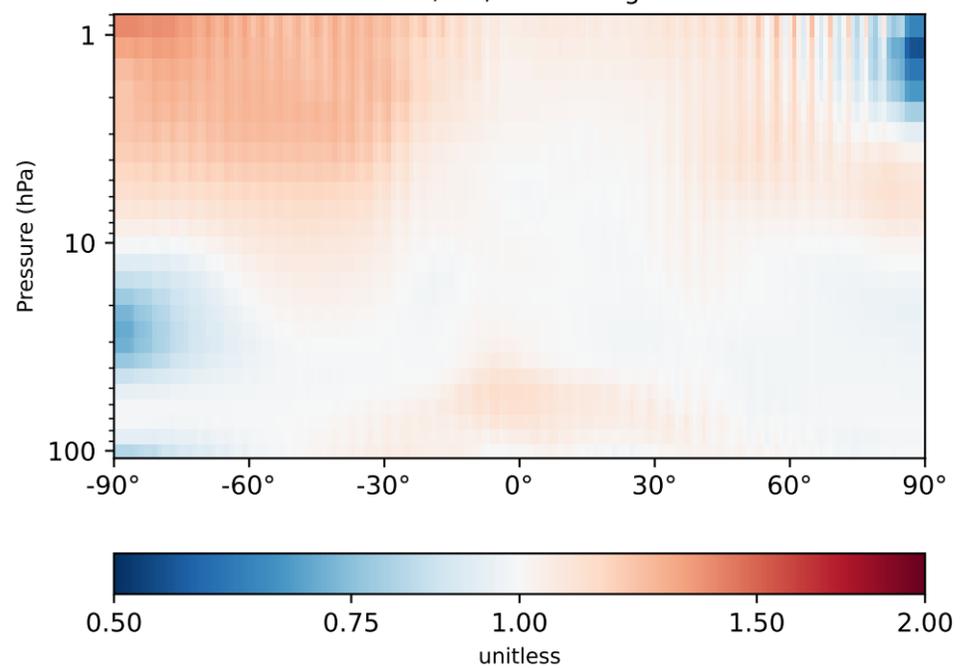
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

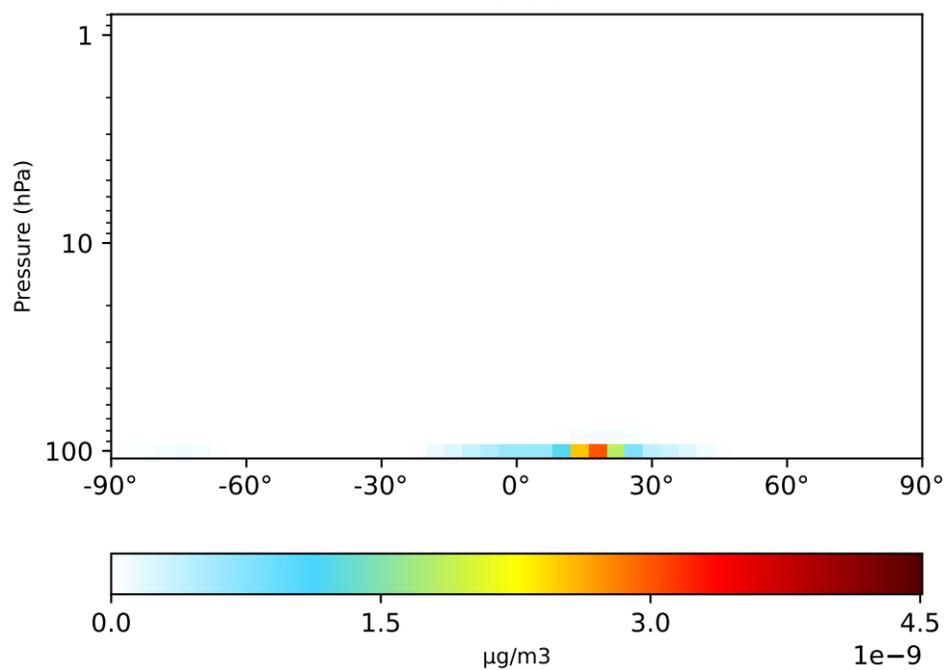


Ratio (1x1.25)  
Dev/Ref, Fixed Range

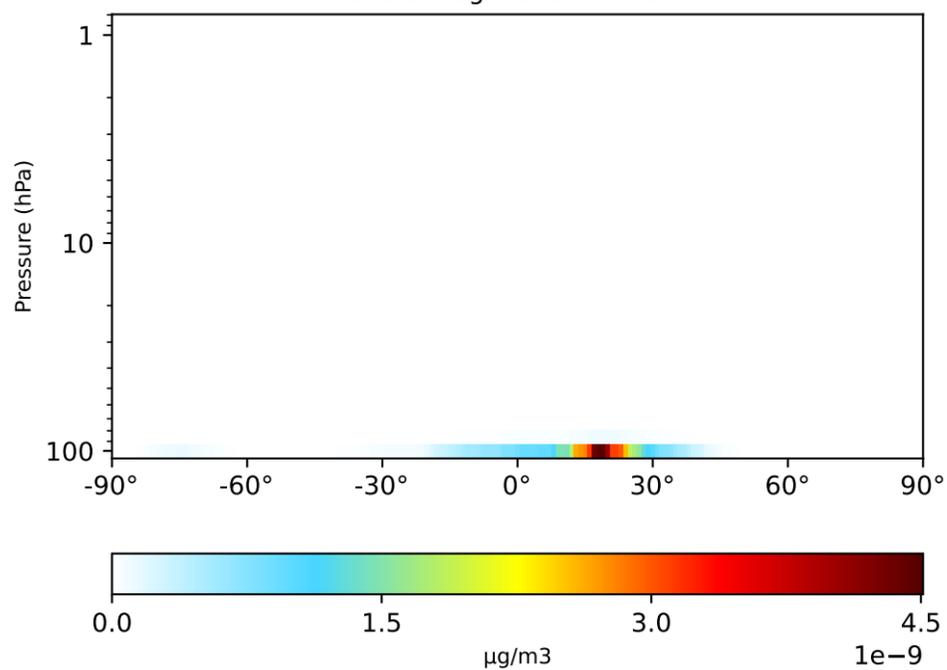


# SpeciesConcVV\_BCPO, Zonal Mean (Oct2019)

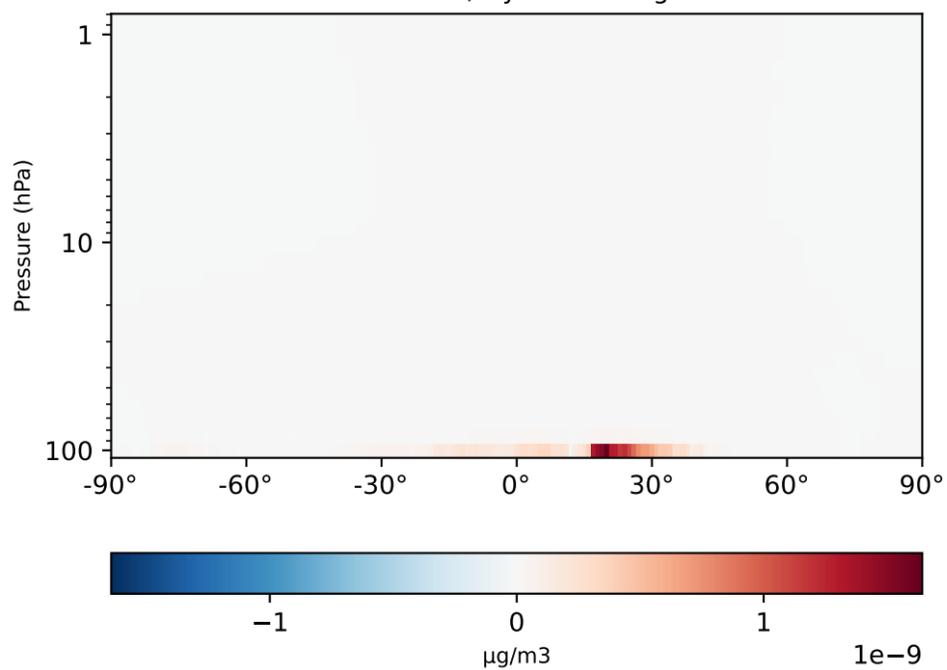
gcc.14.7.0-rc.0 (Ref)  
4.0x5.0



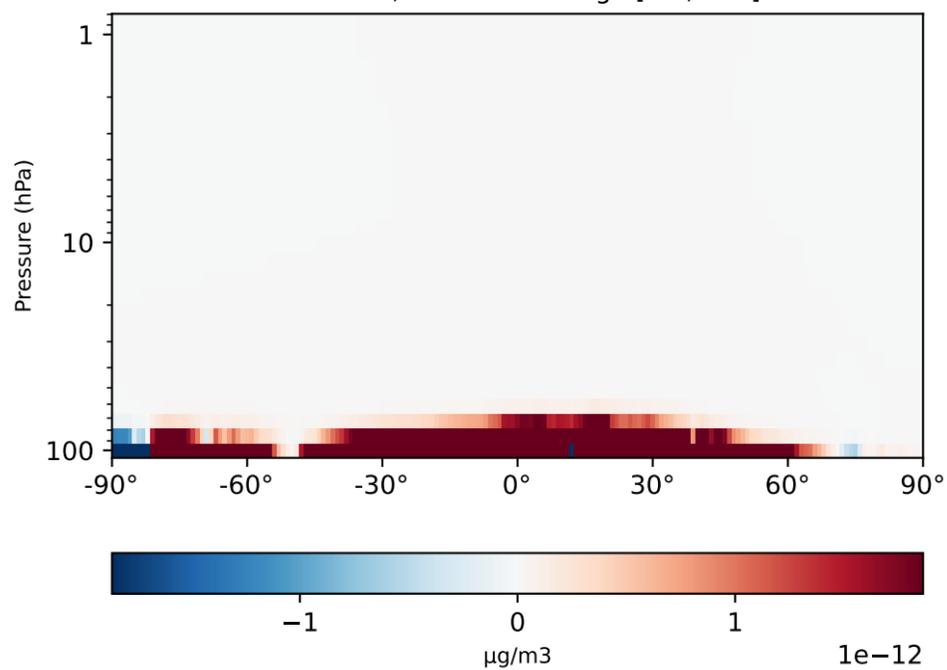
gchp.14.7.0-rc.0 (Dev)  
1x1.25 regridded from c24



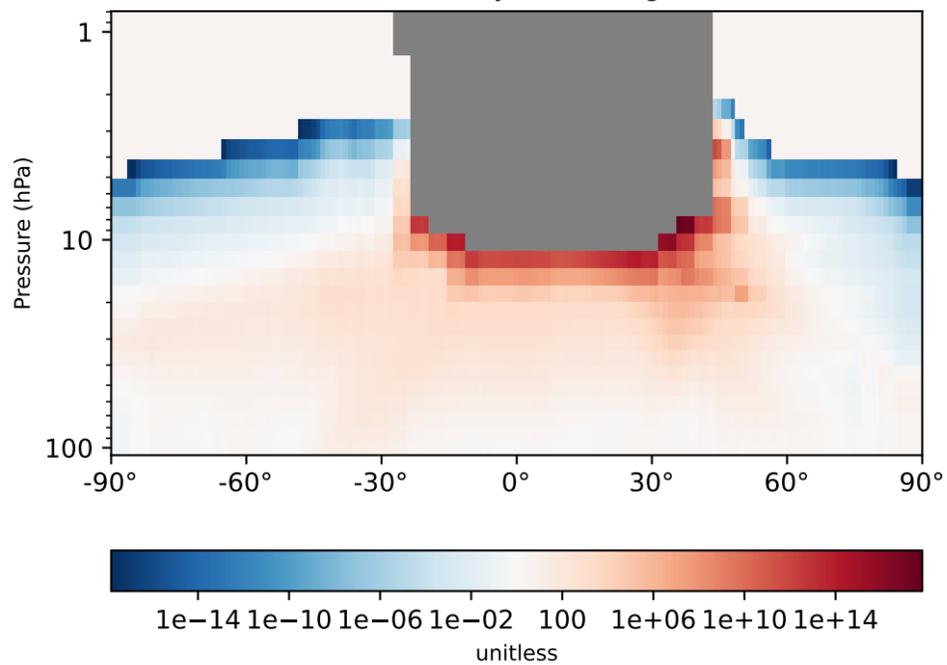
Difference (1x1.25)  
Dev - Ref, Dynamic Range



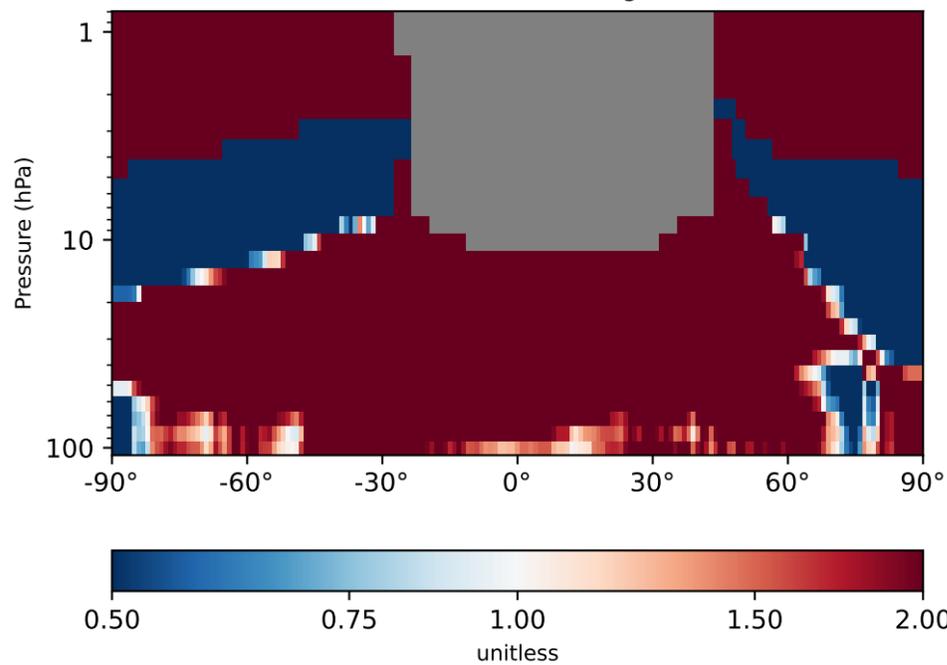
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

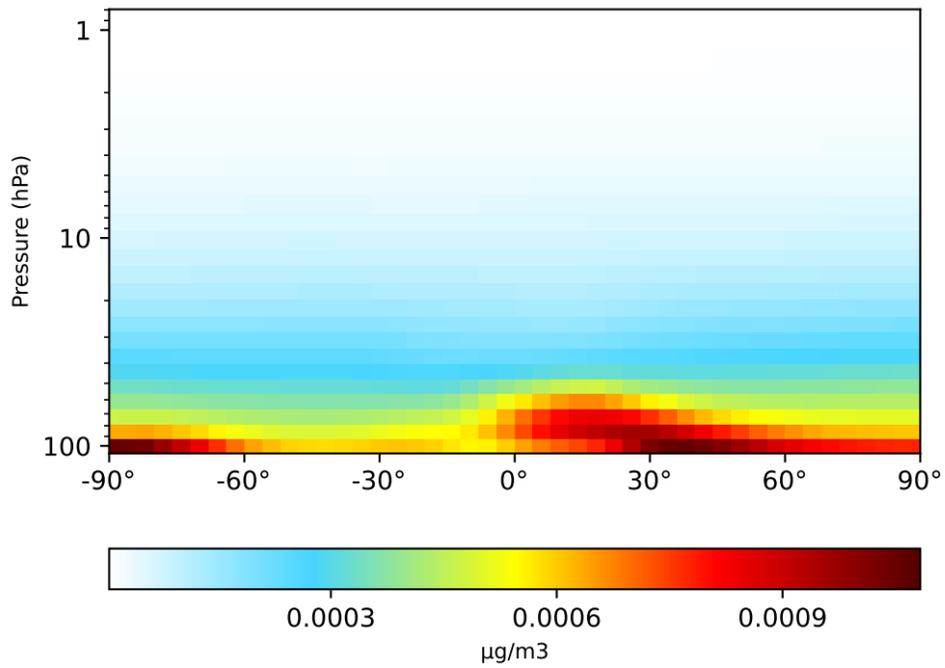


Ratio (1x1.25)  
Dev/Ref, Fixed Range

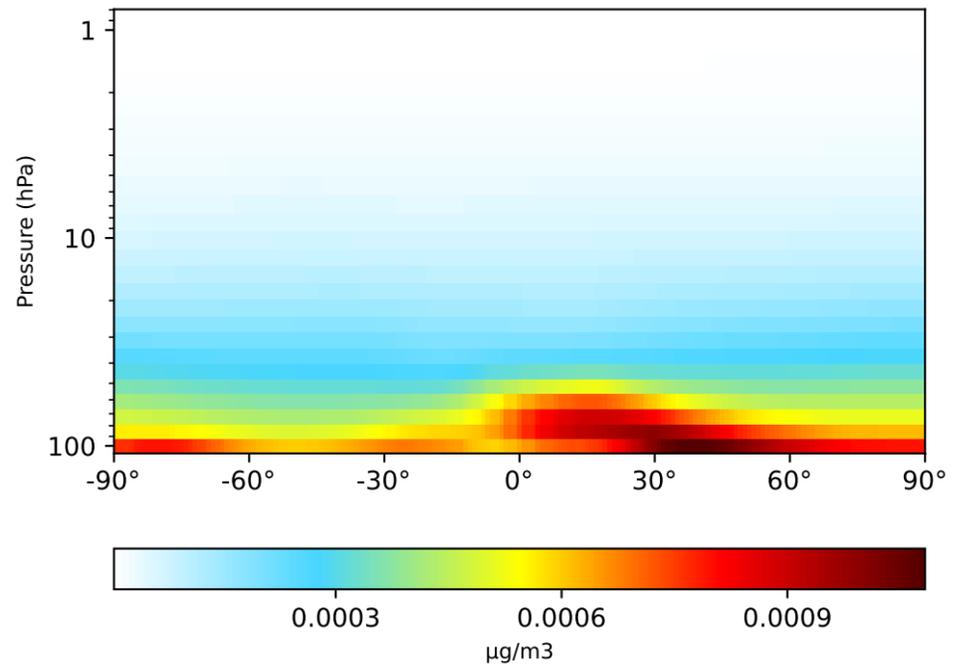


# SpeciesConcVV\_OCPI, Zonal Mean (Oct2019)

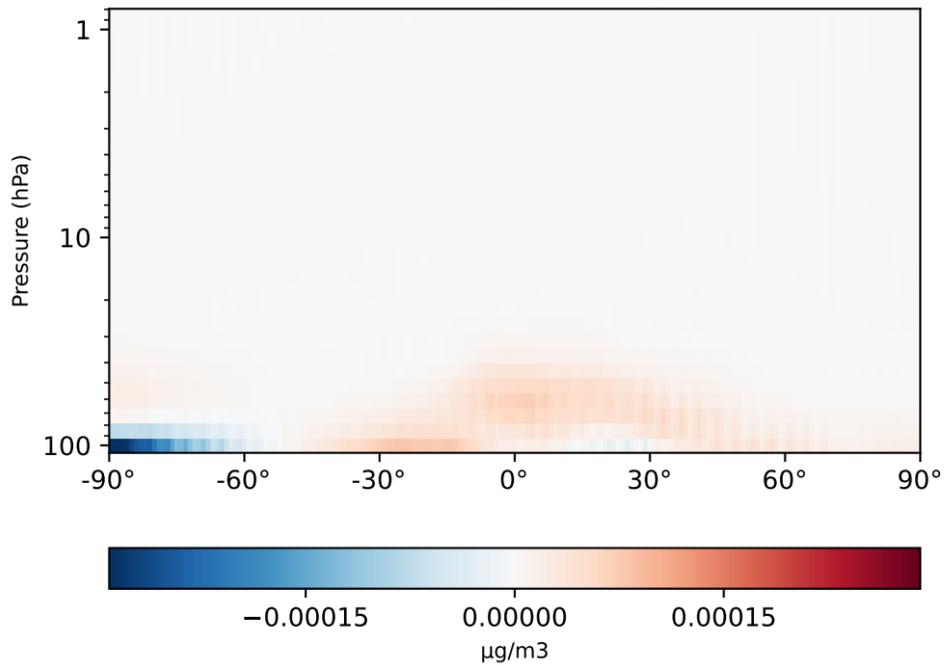
gcc.14.7.0-rc.0 (Ref)  
4.0x5.0



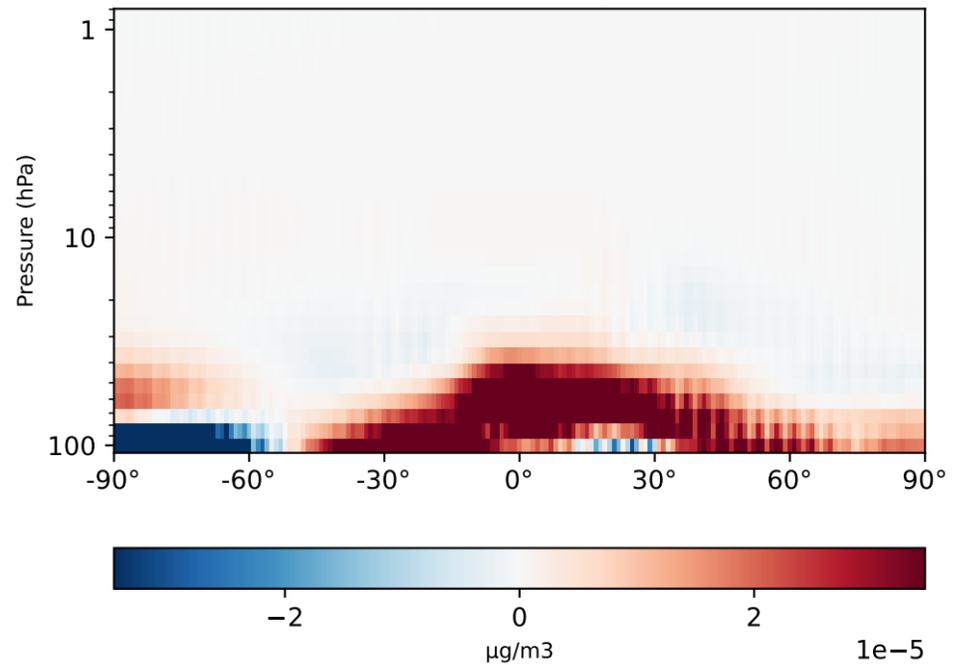
gchp.14.7.0-rc.0 (Dev)  
1x1.25 regridded from c24



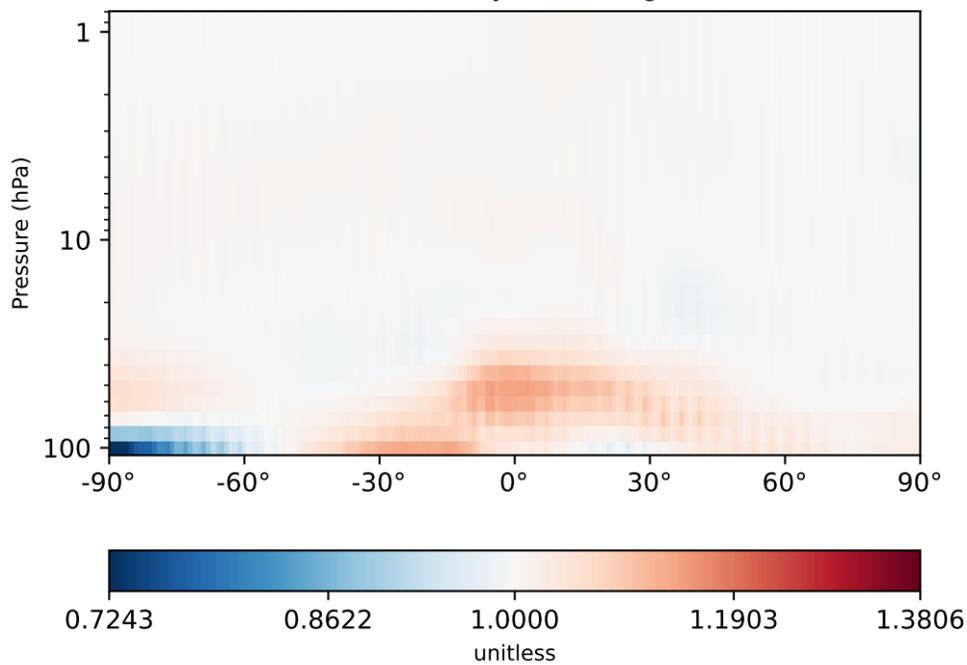
Difference (1x1.25)  
Dev - Ref, Dynamic Range



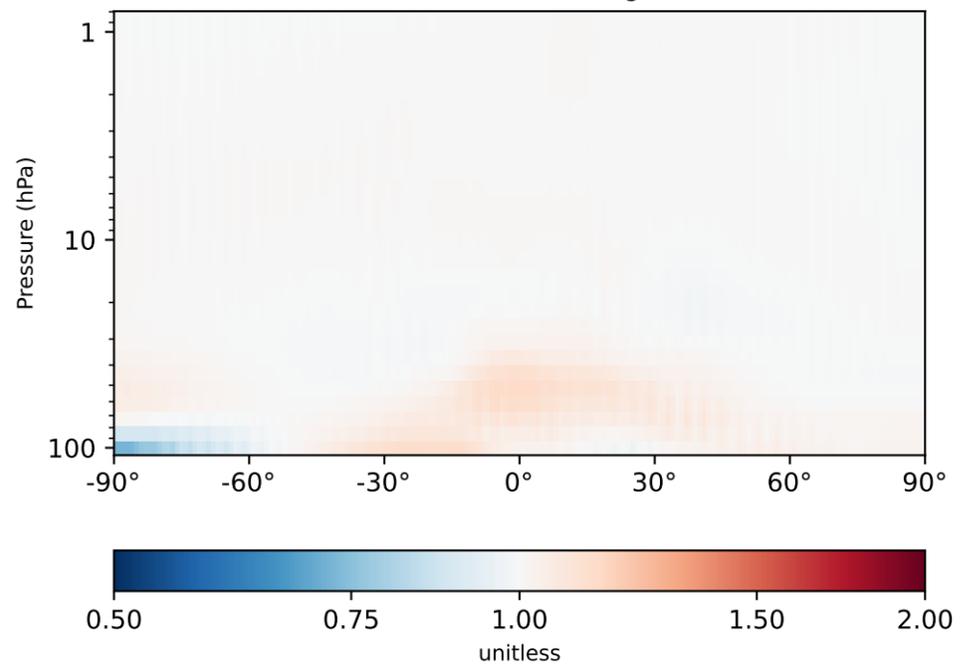
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

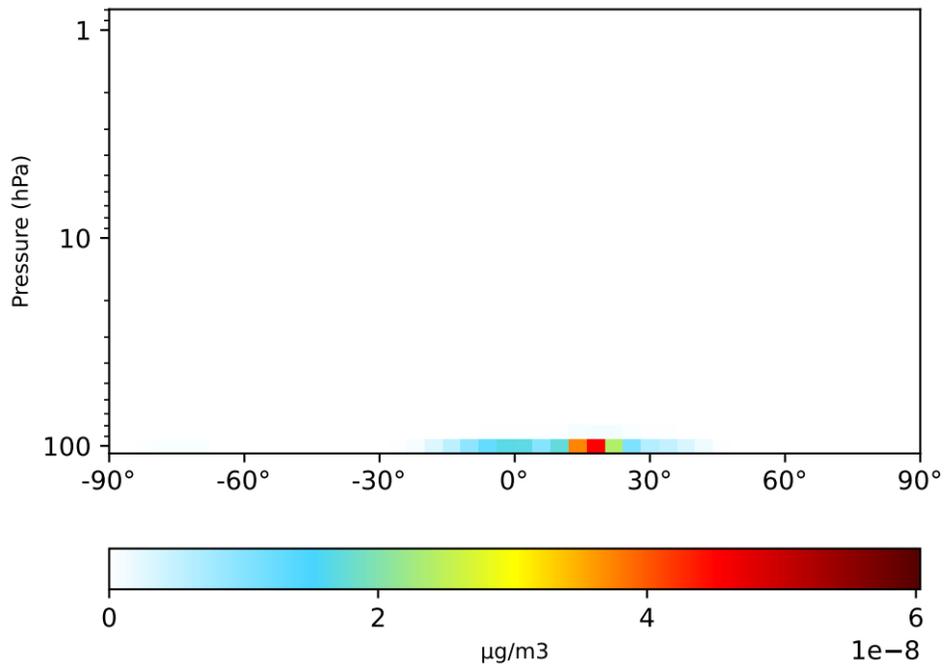


Ratio (1x1.25)  
Dev/Ref, Fixed Range

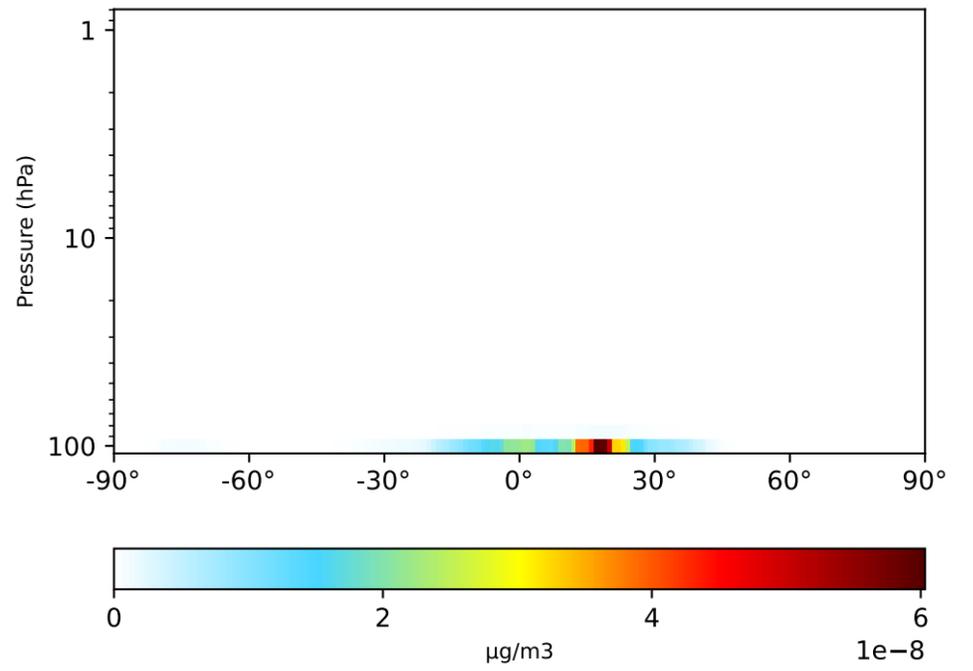


# SpeciesConcVV\_OCPO, Zonal Mean (Oct2019)

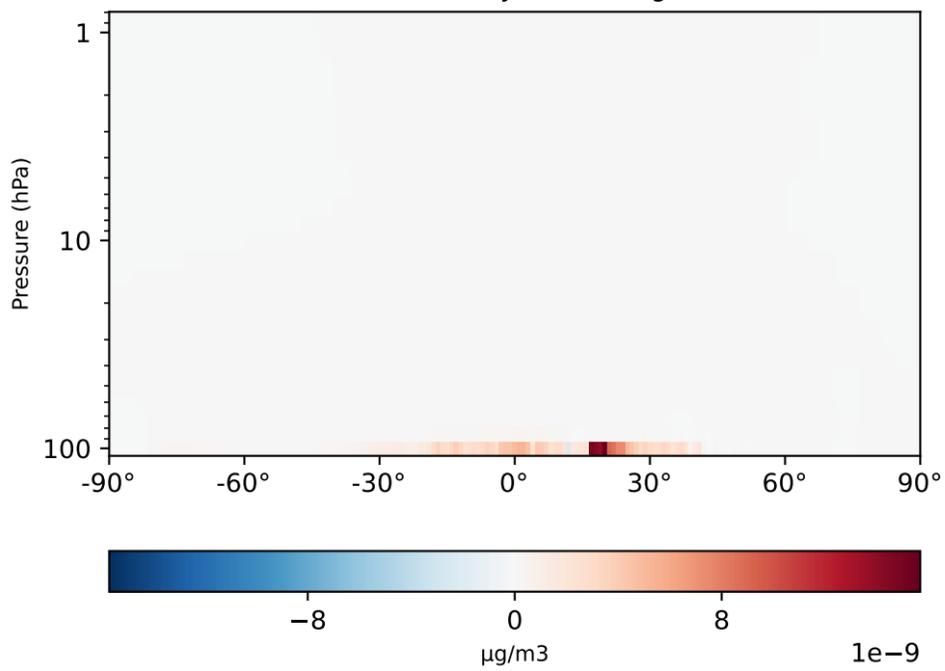
gcc.14.7.0-rc.0 (Ref)  
4.0x5.0



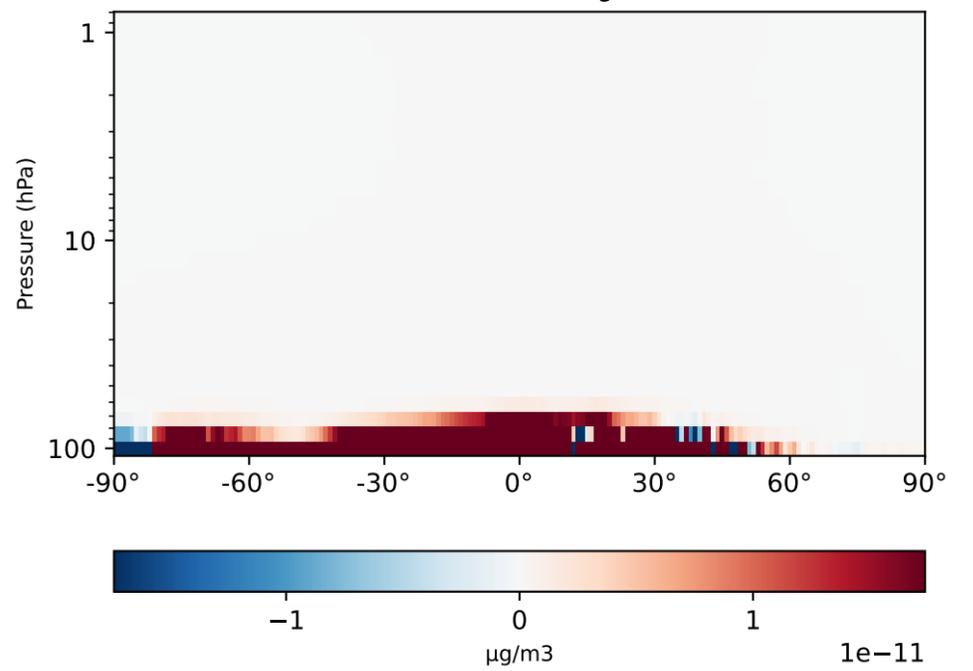
gchp.14.7.0-rc.0 (Dev)  
1x1.25 regridded from c24



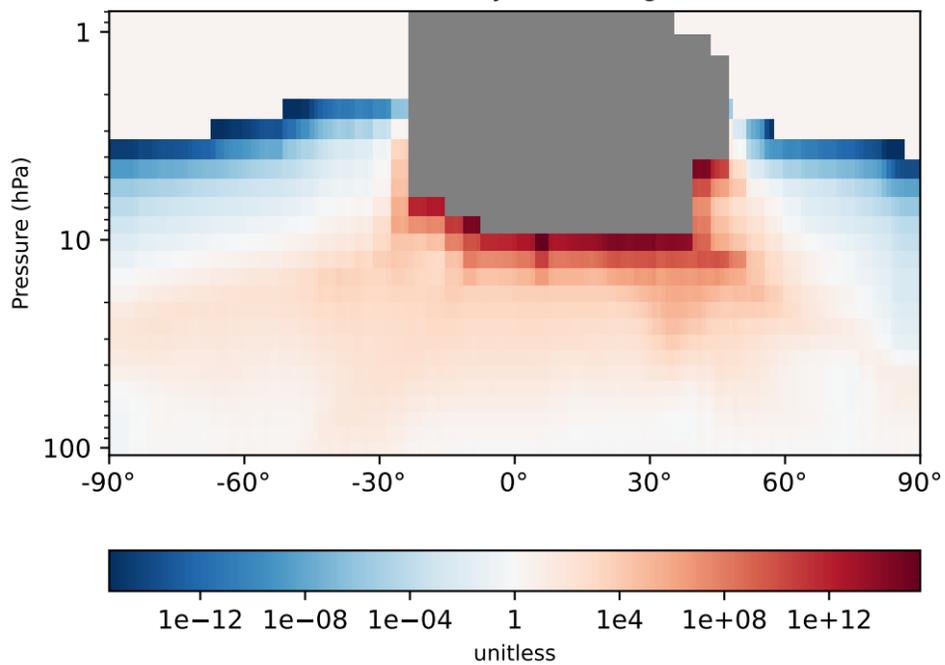
Difference (1x1.25)  
Dev - Ref, Dynamic Range



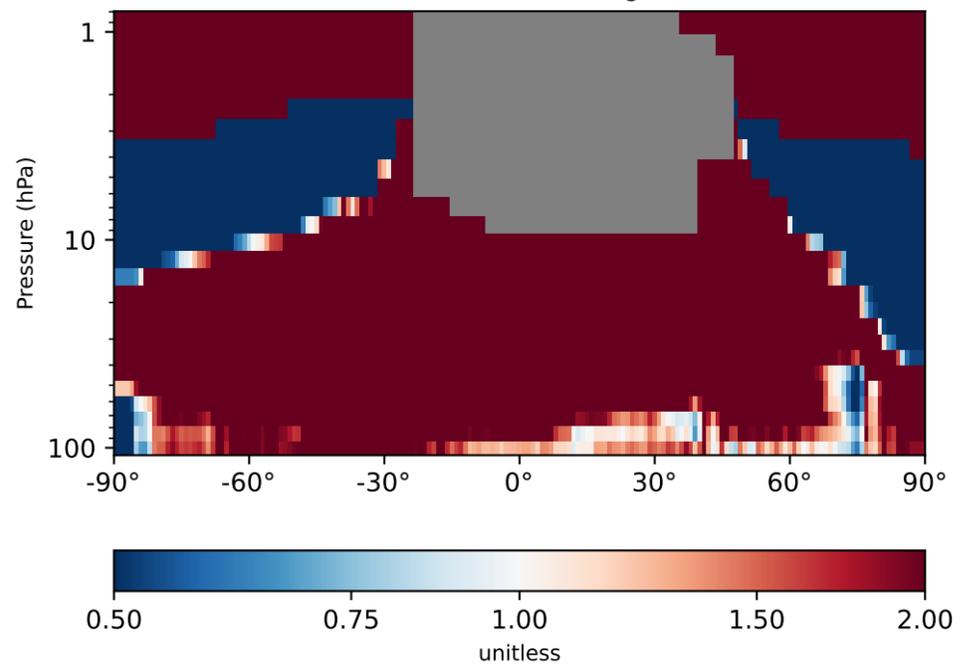
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

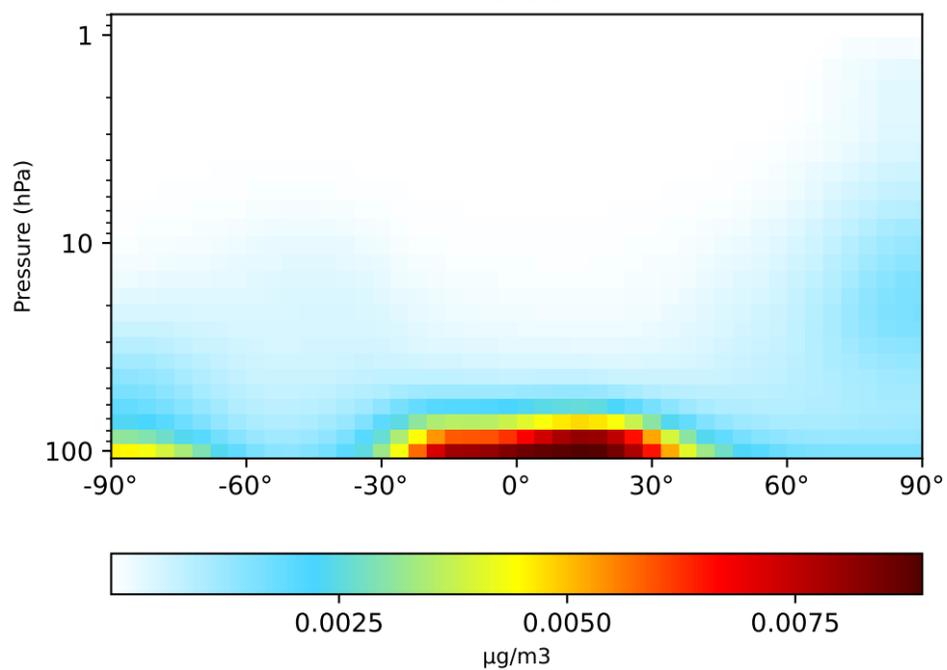


Ratio (1x1.25)  
Dev/Ref, Fixed Range

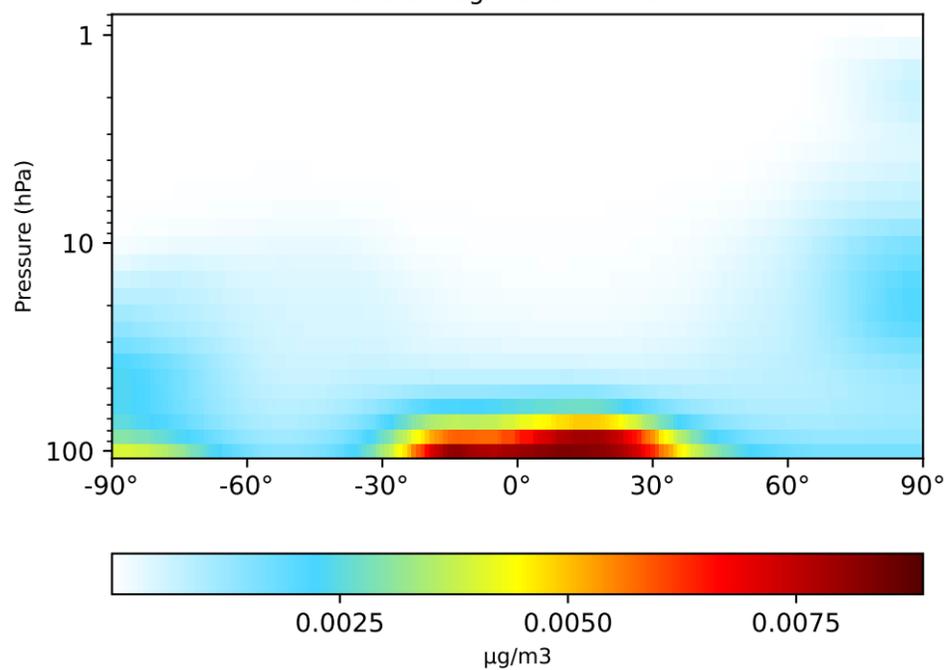


# SpeciesConcVV\_Complex\_SOA, Zonal Mean (Oct2019)

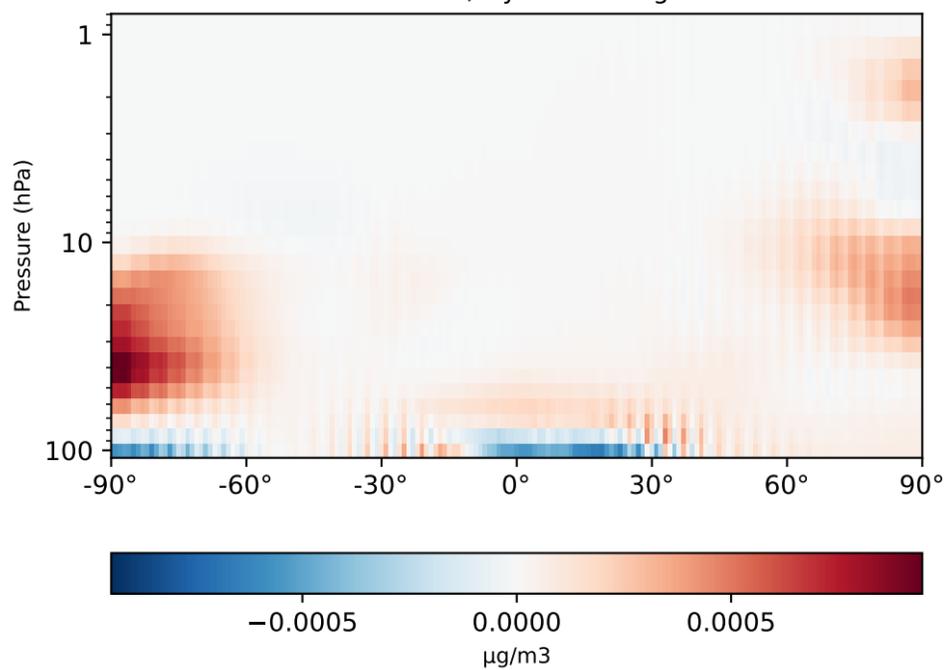
gcc.14.7.0-rc.0 (Ref)  
4.0x5.0



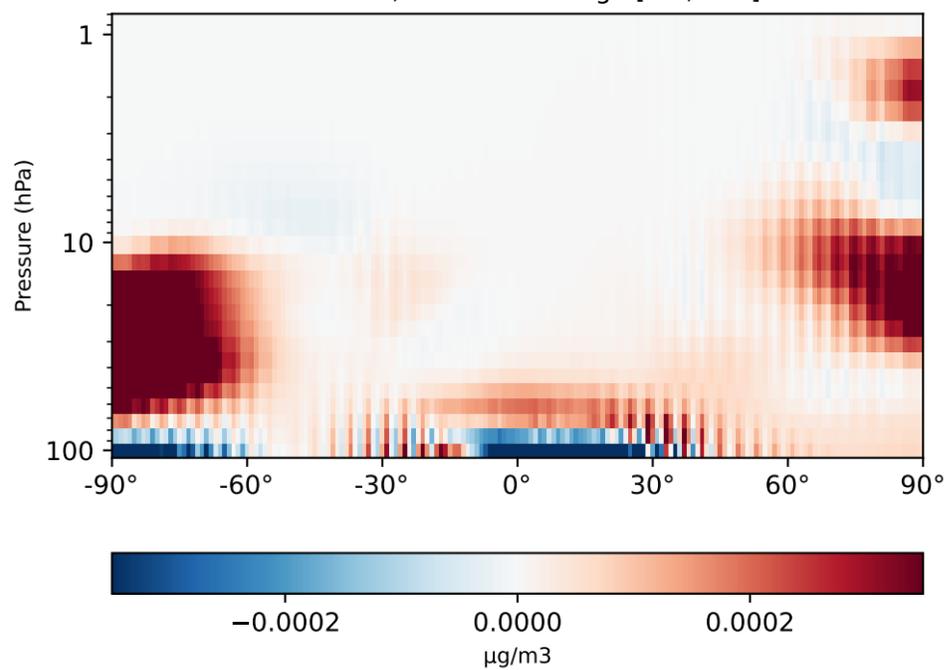
gchp.14.7.0-rc.0 (Dev)  
1x1.25 regridded from c24



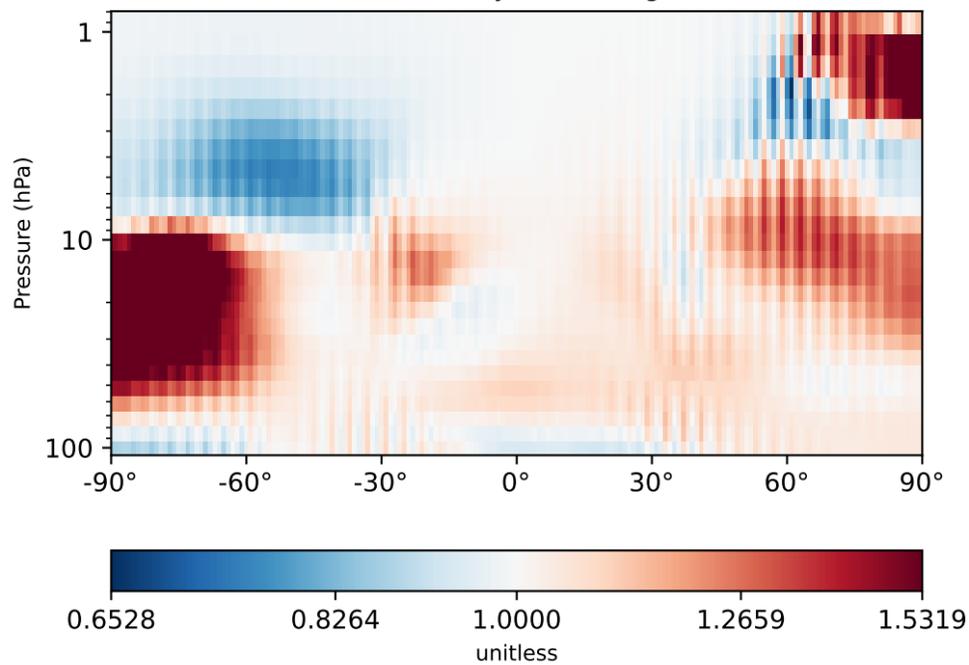
Difference (1x1.25)  
Dev - Ref, Dynamic Range



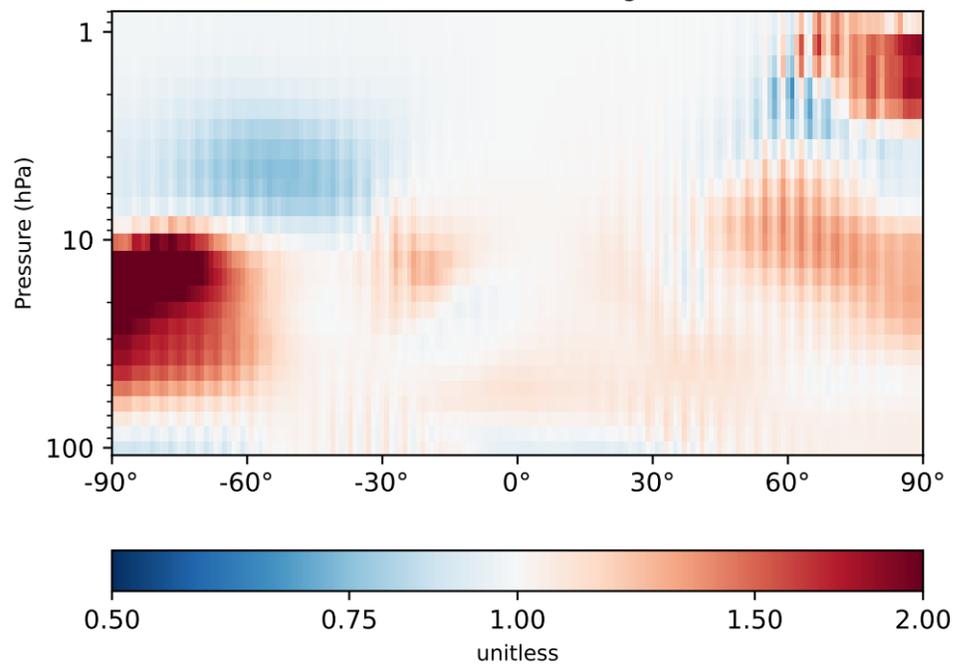
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

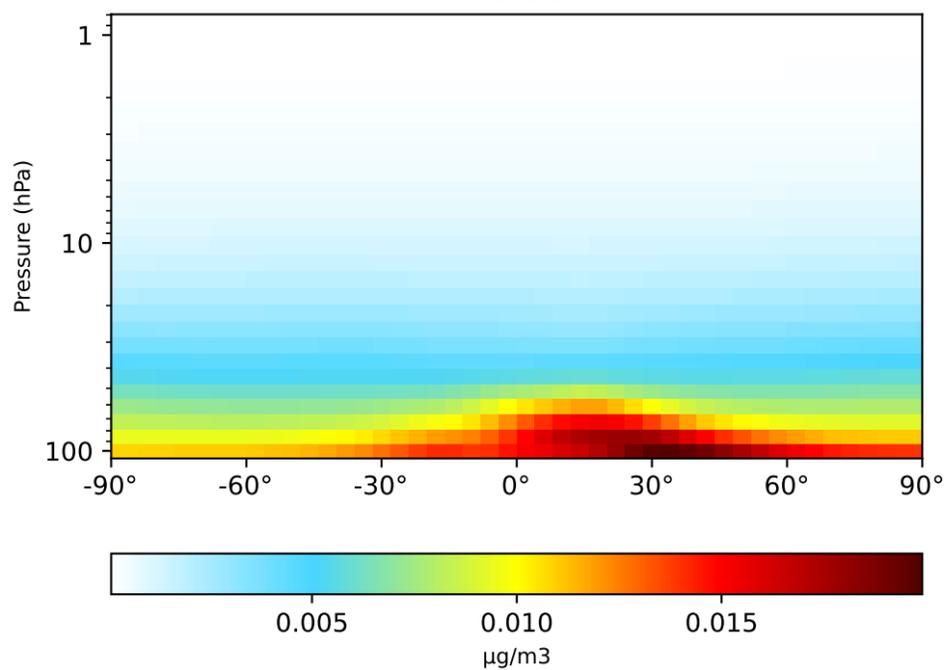


Ratio (1x1.25)  
Dev/Ref, Fixed Range

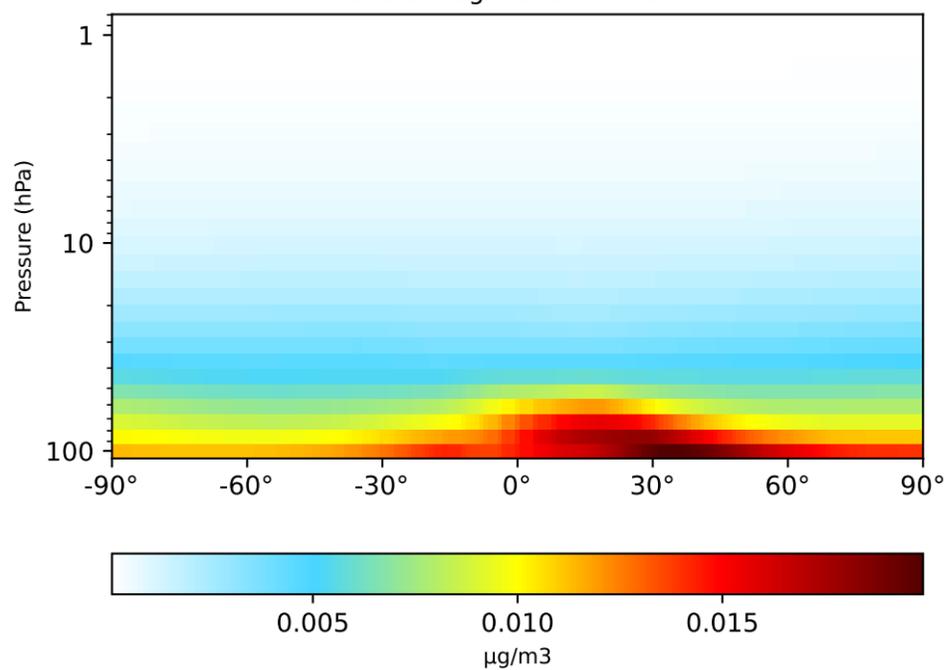


# SpeciesConcVV\_Simple\_SOA, Zonal Mean (Oct2019)

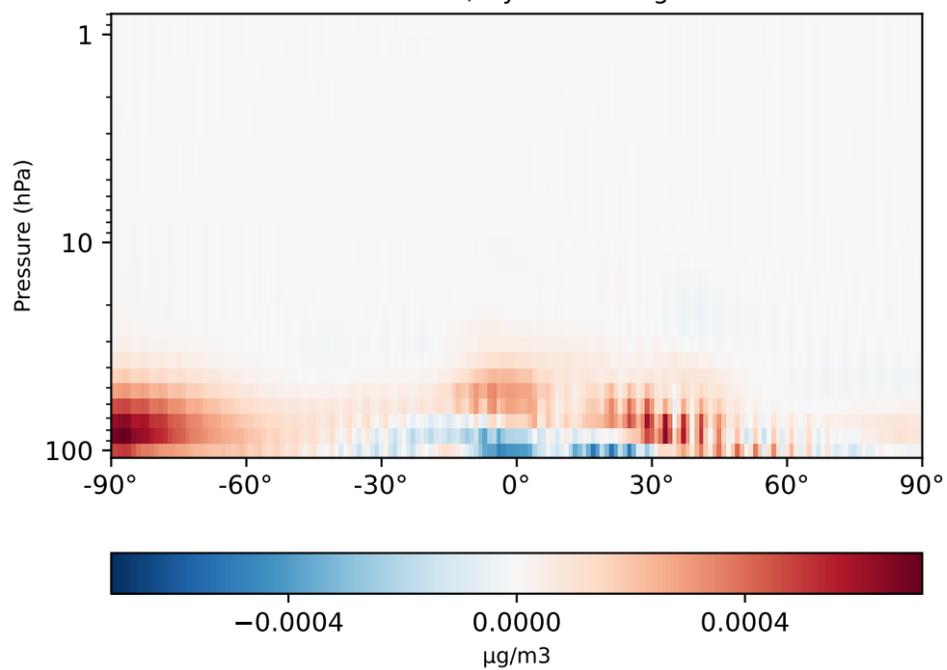
gcc.14.7.0-rc.0 (Ref)  
4.0x5.0



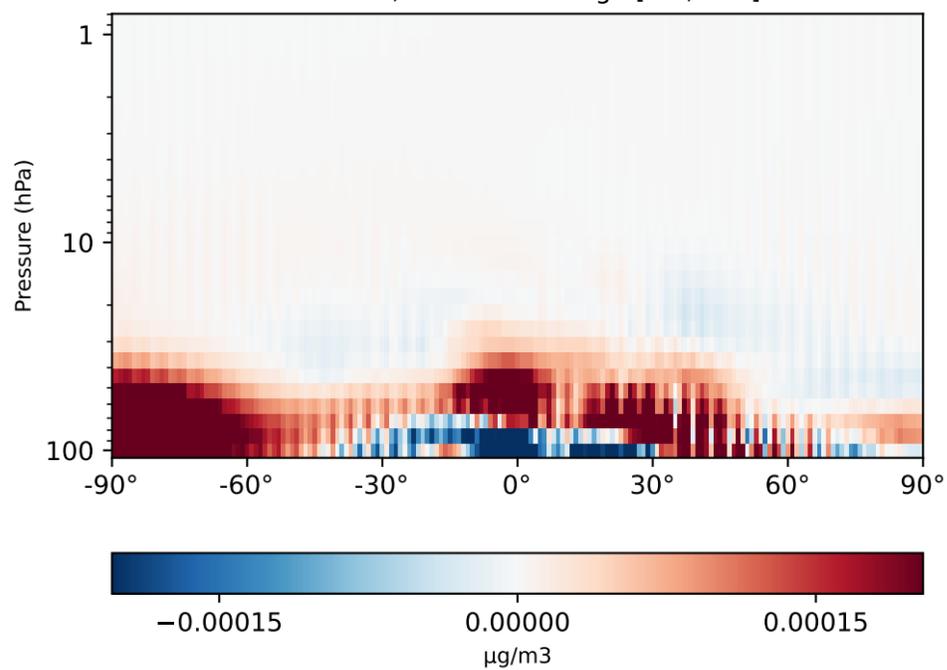
gchp.14.7.0-rc.0 (Dev)  
1x1.25 regridded from c24



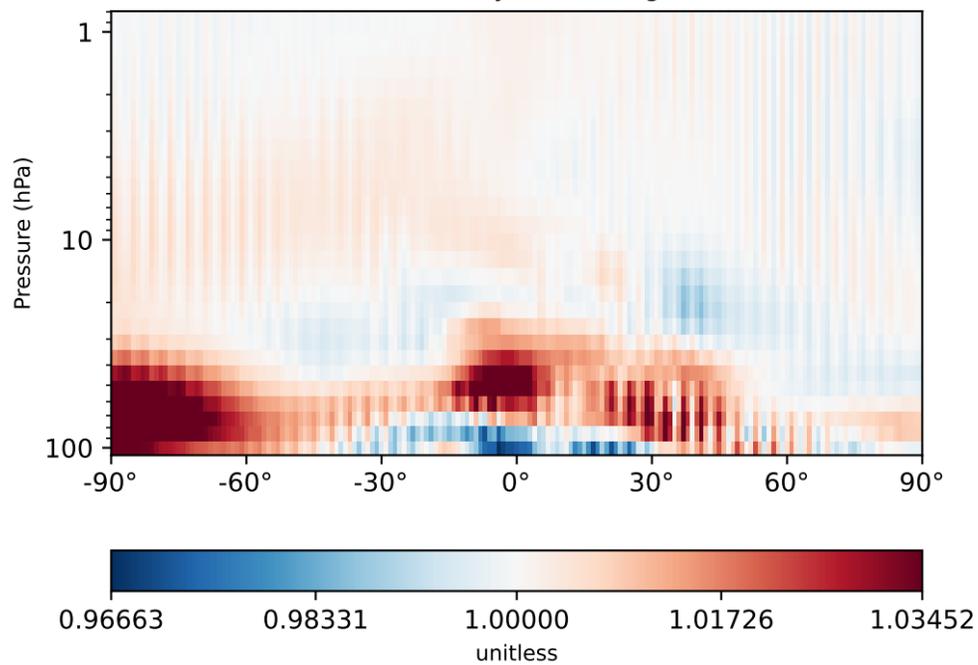
Difference (1x1.25)  
Dev - Ref, Dynamic Range



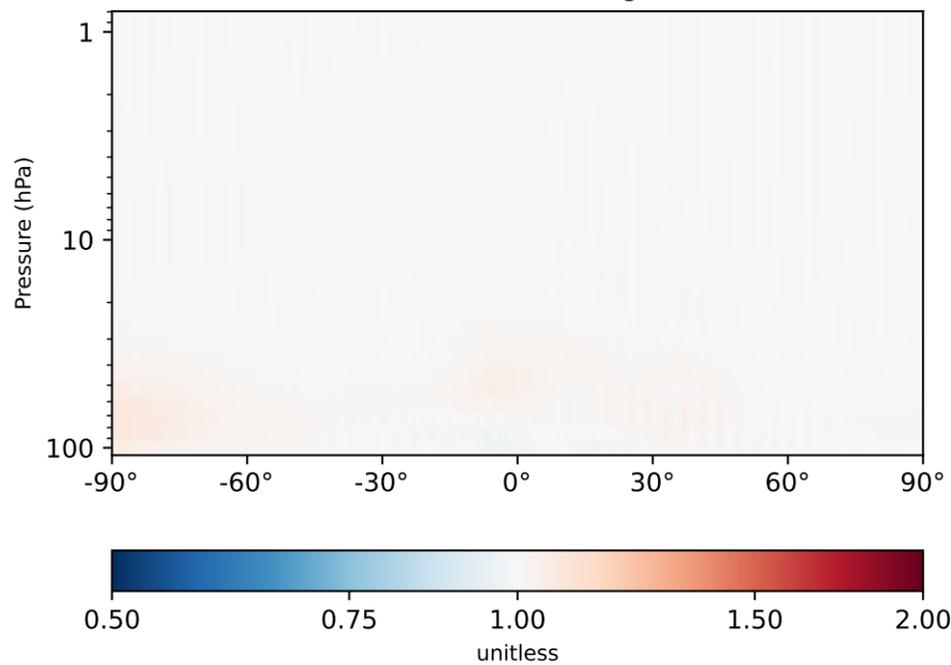
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

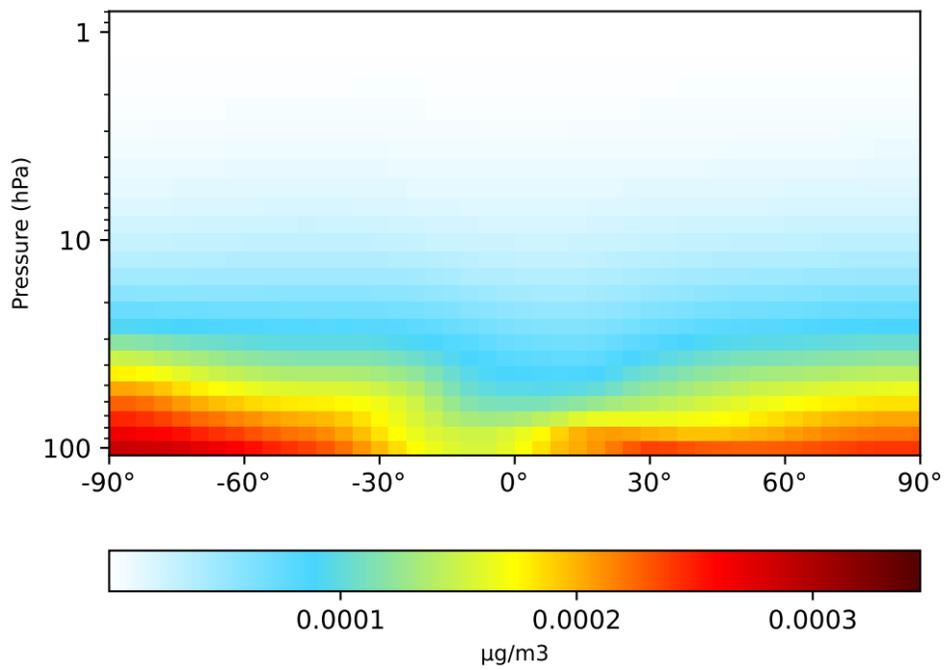


Ratio (1x1.25)  
Dev/Ref, Fixed Range

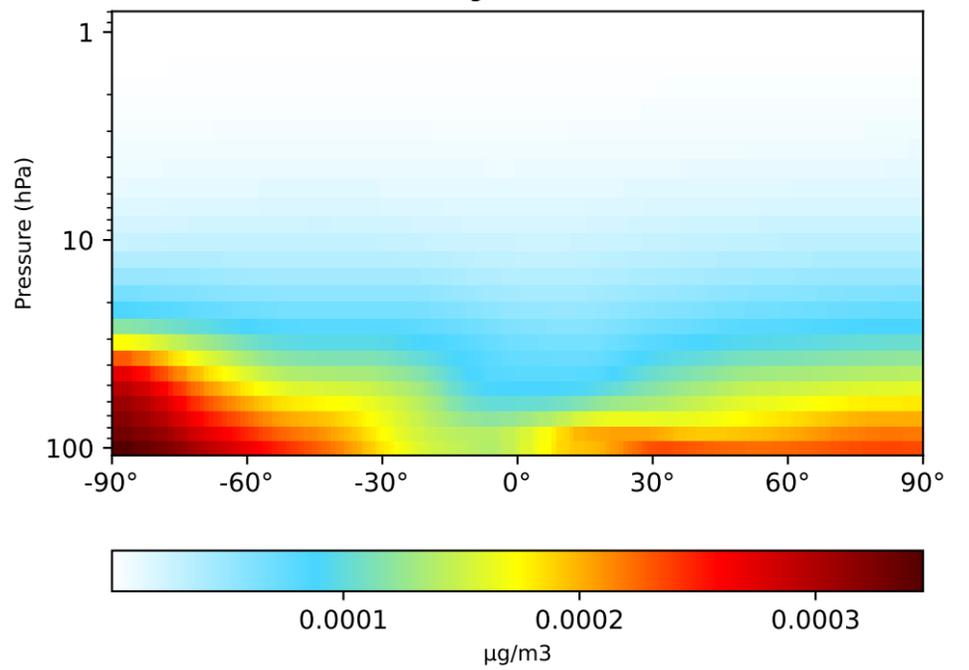


# SpeciesConcVV\_AERI, Zonal Mean (Oct2019)

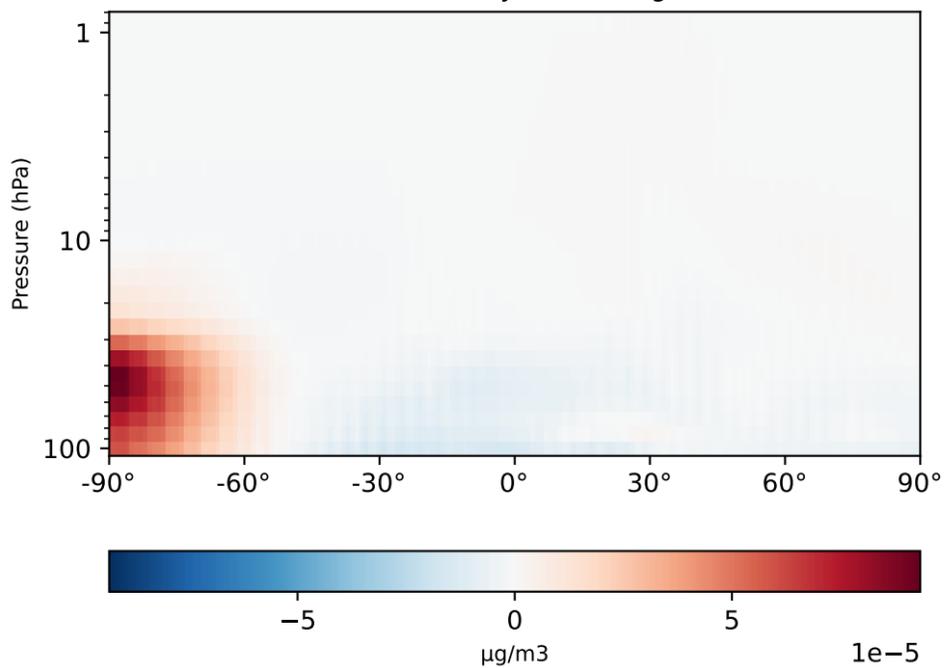
gcc.14.7.0-rc.0 (Ref)  
4.0x5.0



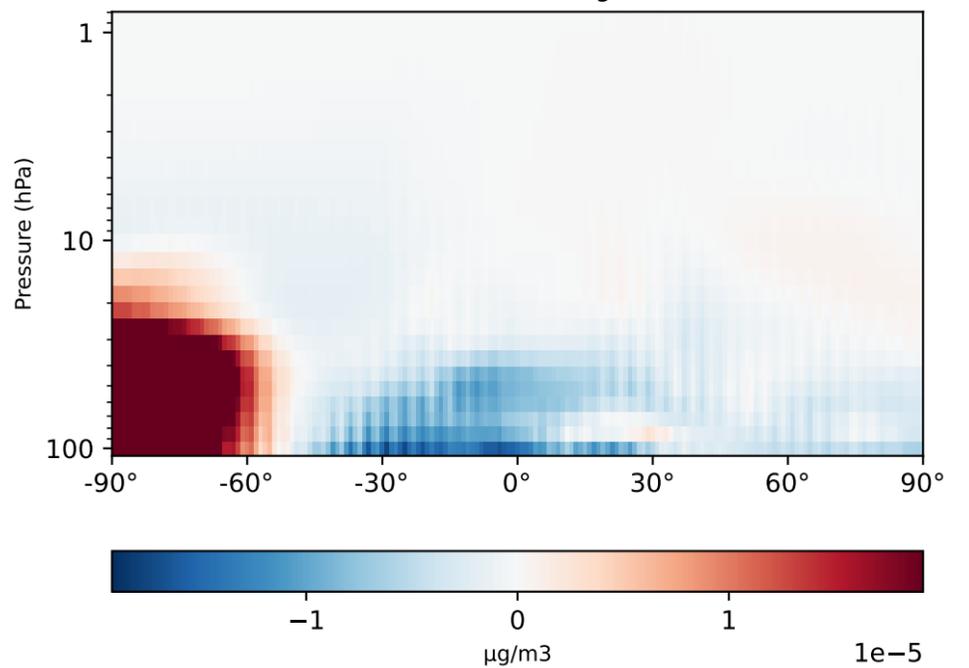
gchp.14.7.0-rc.0 (Dev)  
1x1.25 regridded from c24



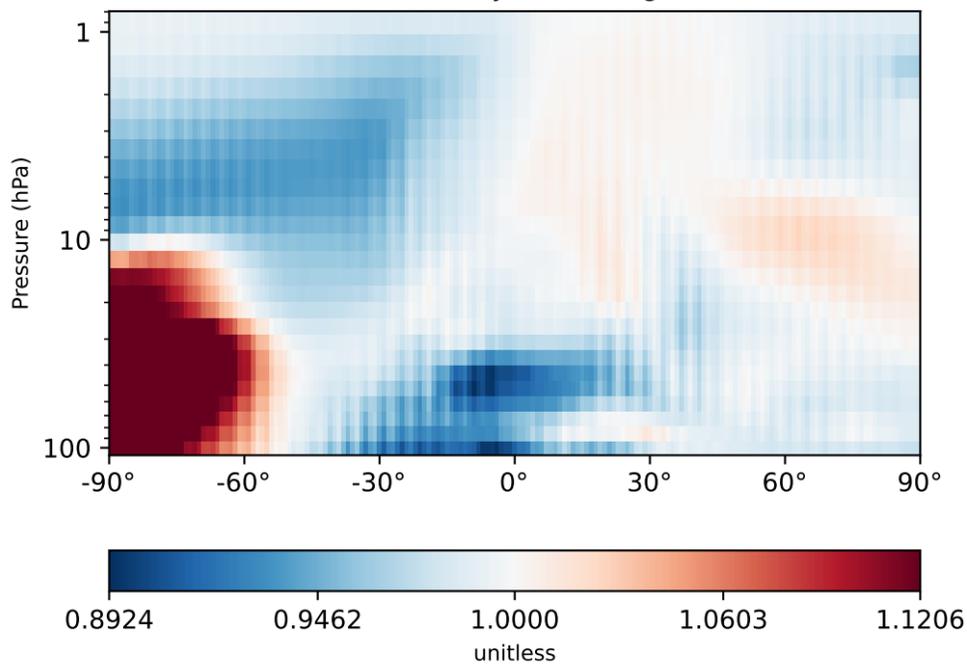
Difference (1x1.25)  
Dev - Ref, Dynamic Range



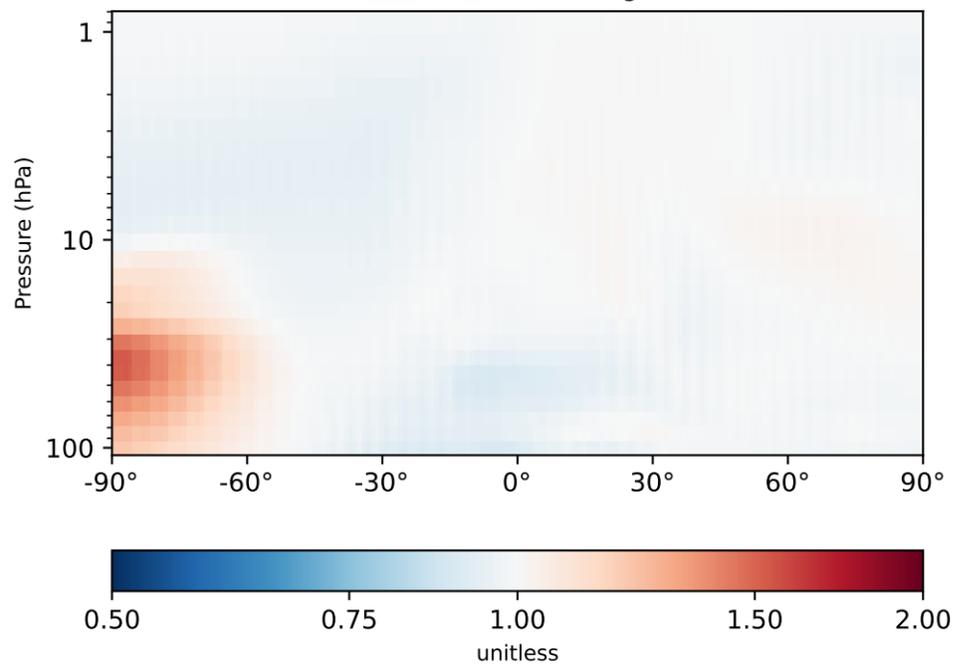
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

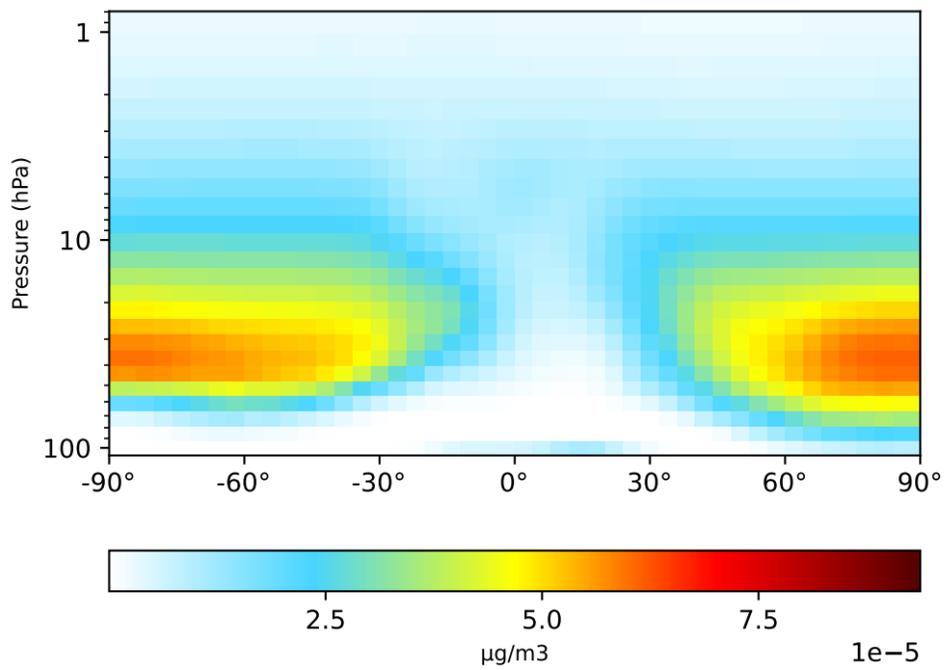


Ratio (1x1.25)  
Dev/Ref, Fixed Range

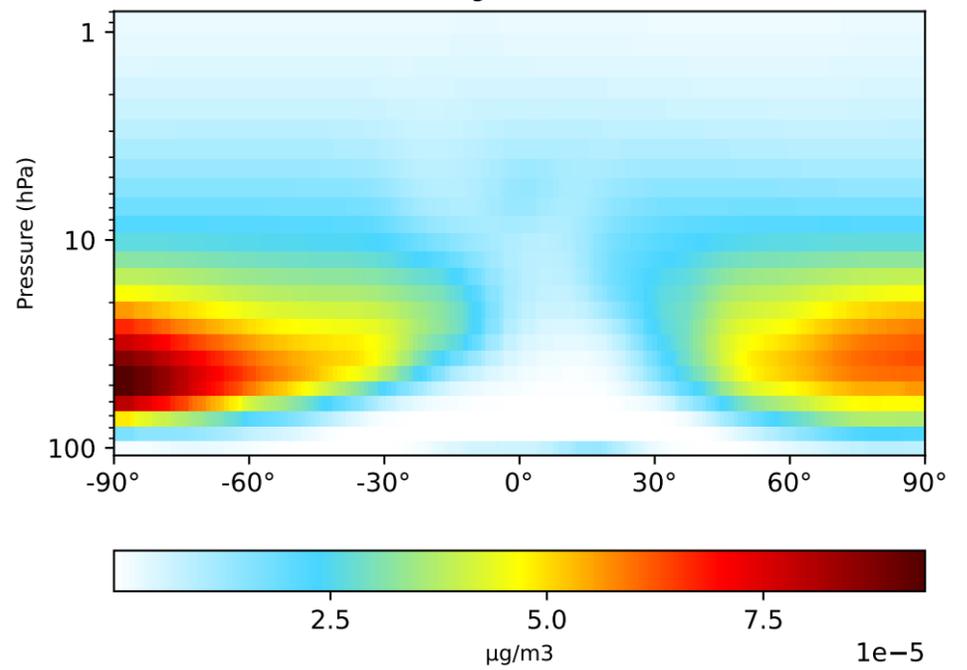


# SpeciesConcVV\_BrSALA, Zonal Mean (Oct2019)

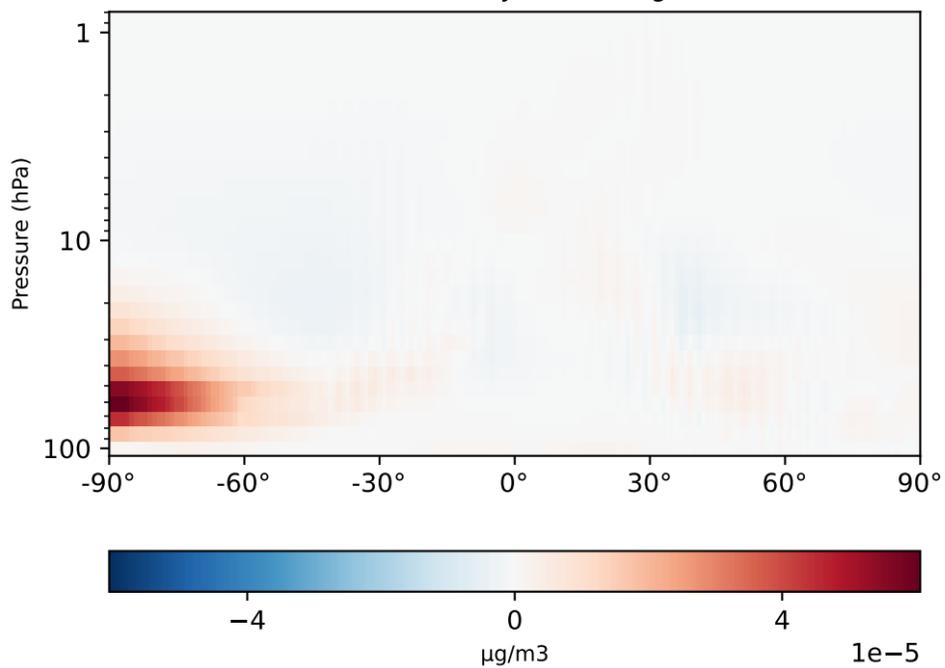
gcc.14.7.0-rc.0 (Ref)  
4.0x5.0



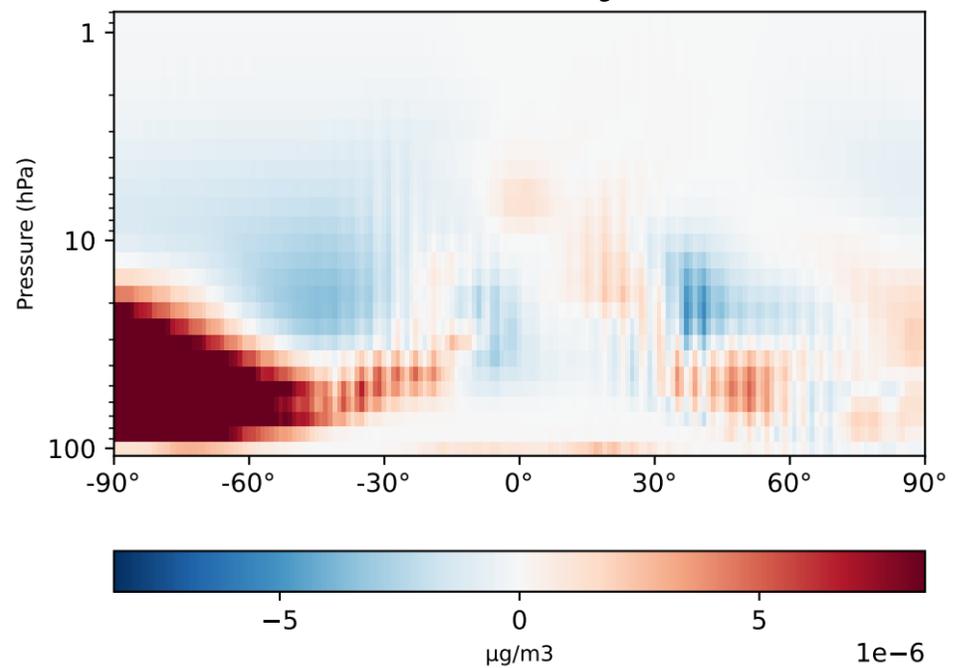
gchp.14.7.0-rc.0 (Dev)  
1x1.25 regridded from c24



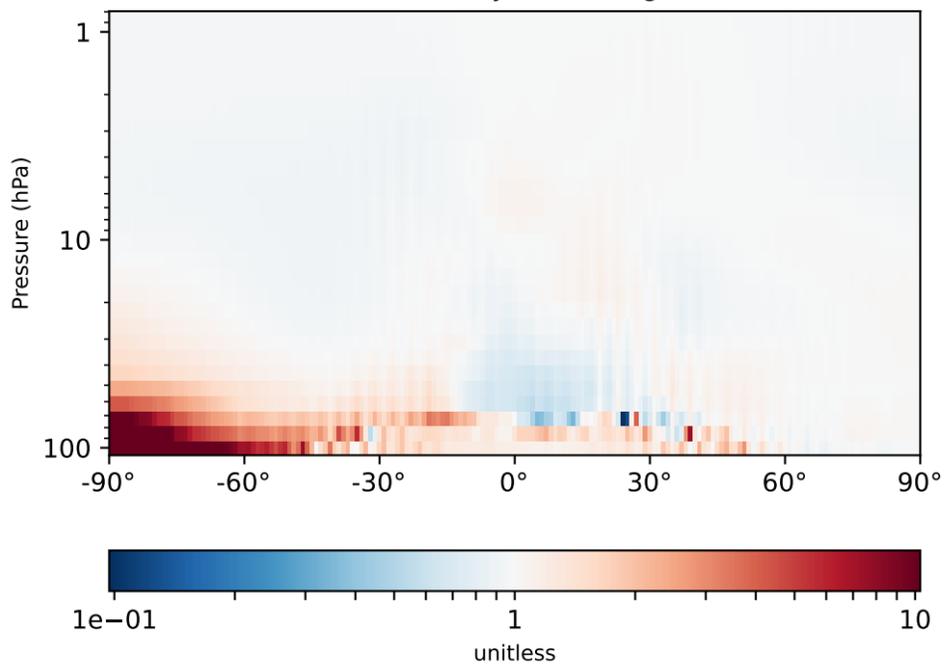
Difference (1x1.25)  
Dev - Ref, Dynamic Range



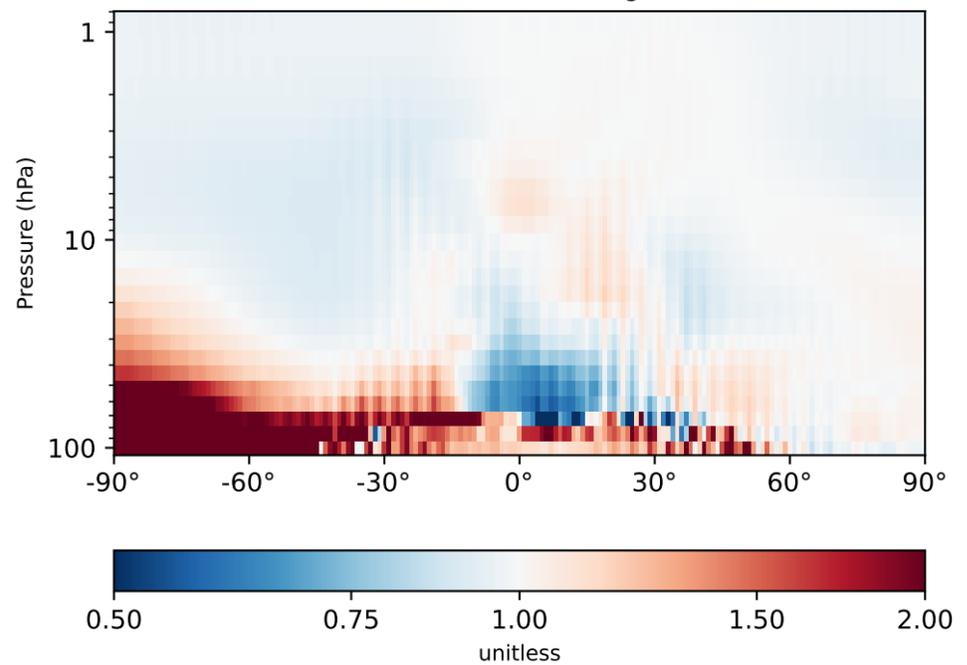
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

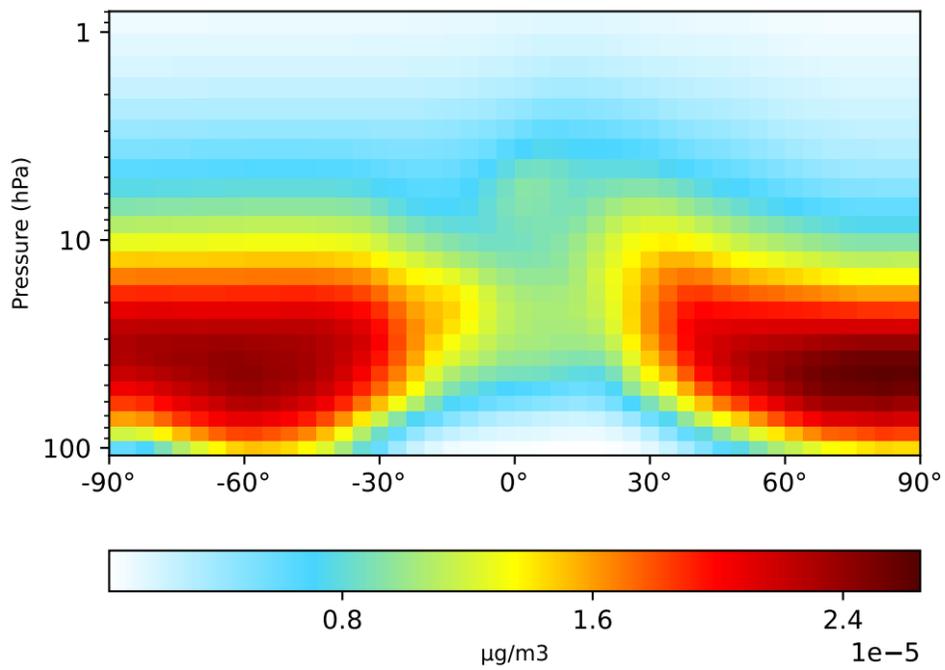


Ratio (1x1.25)  
Dev/Ref, Fixed Range

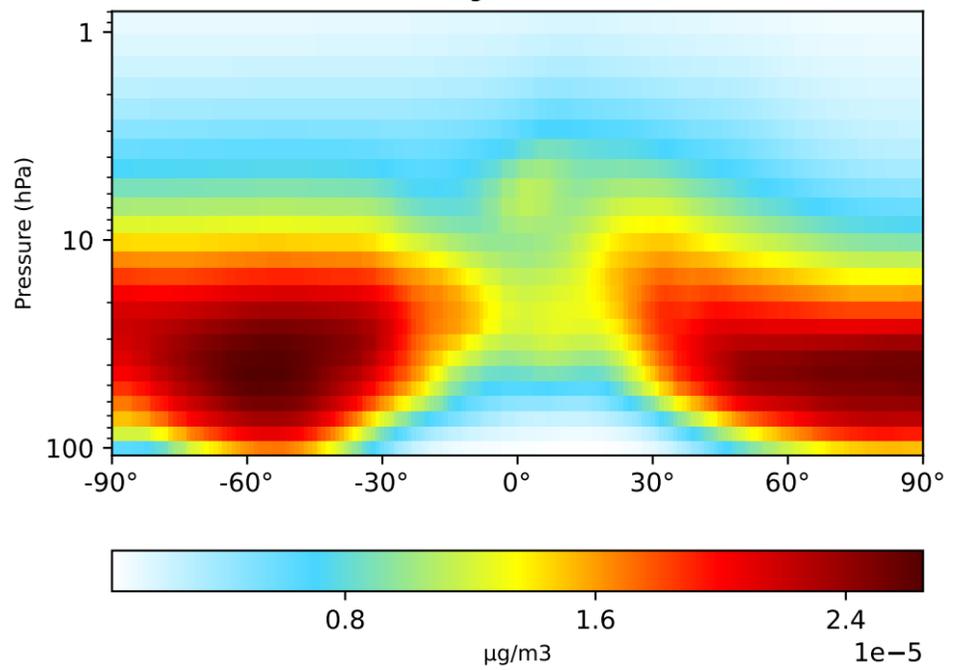


# SpeciesConcVV\_BrSALC, Zonal Mean (Oct2019)

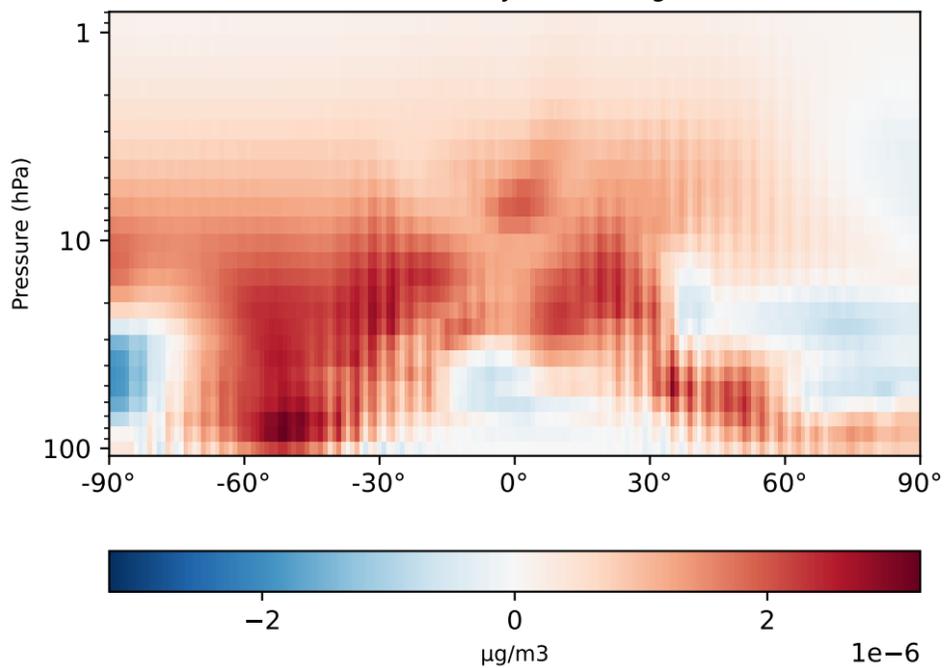
gcc.14.7.0-rc.0 (Ref)  
4.0x5.0



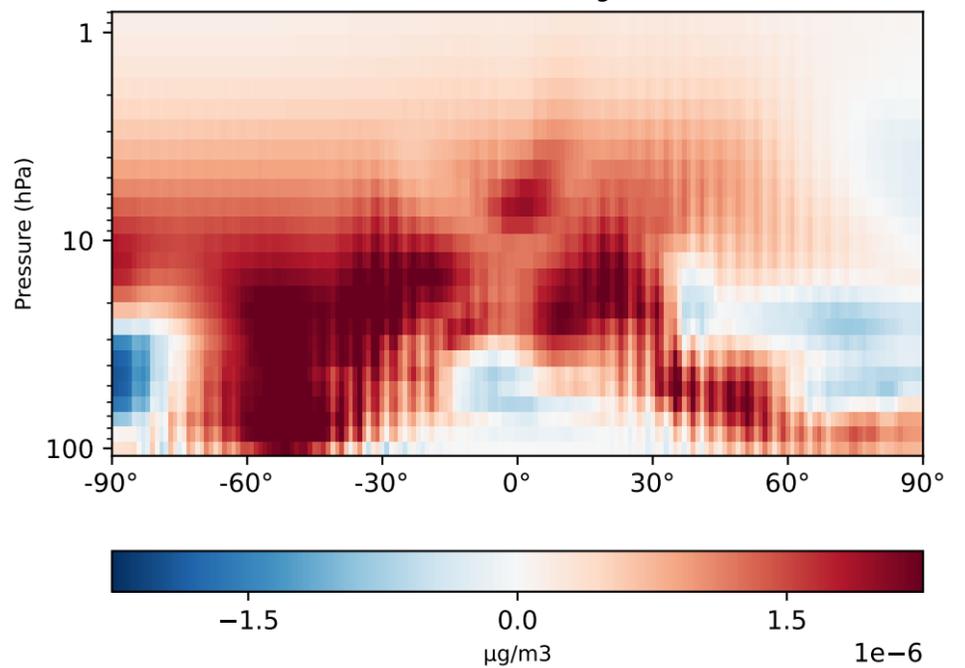
gchp.14.7.0-rc.0 (Dev)  
1x1.25 regridded from c24



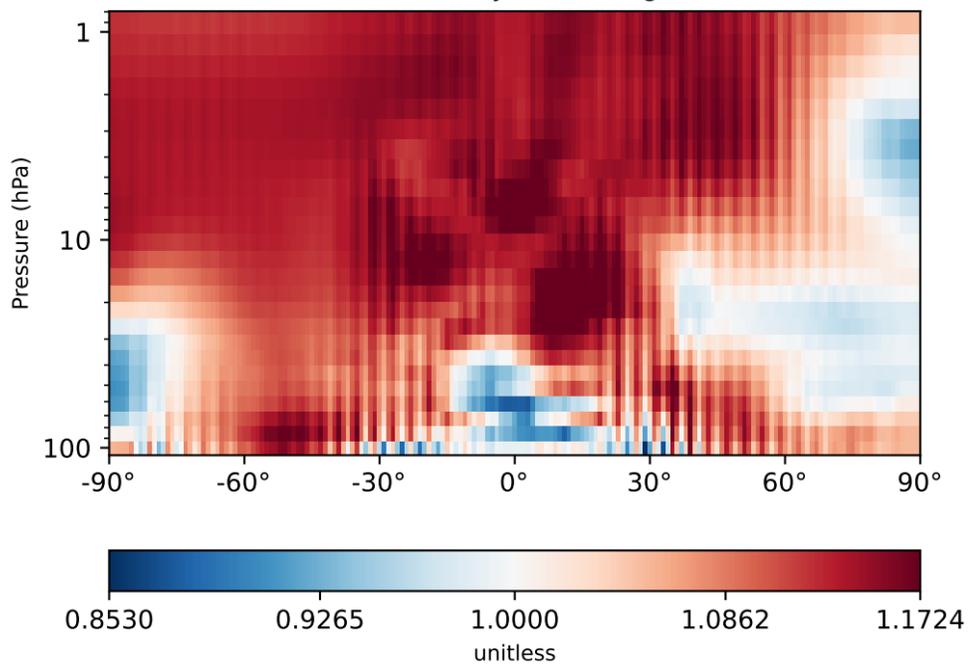
Difference (1x1.25)  
Dev - Ref, Dynamic Range



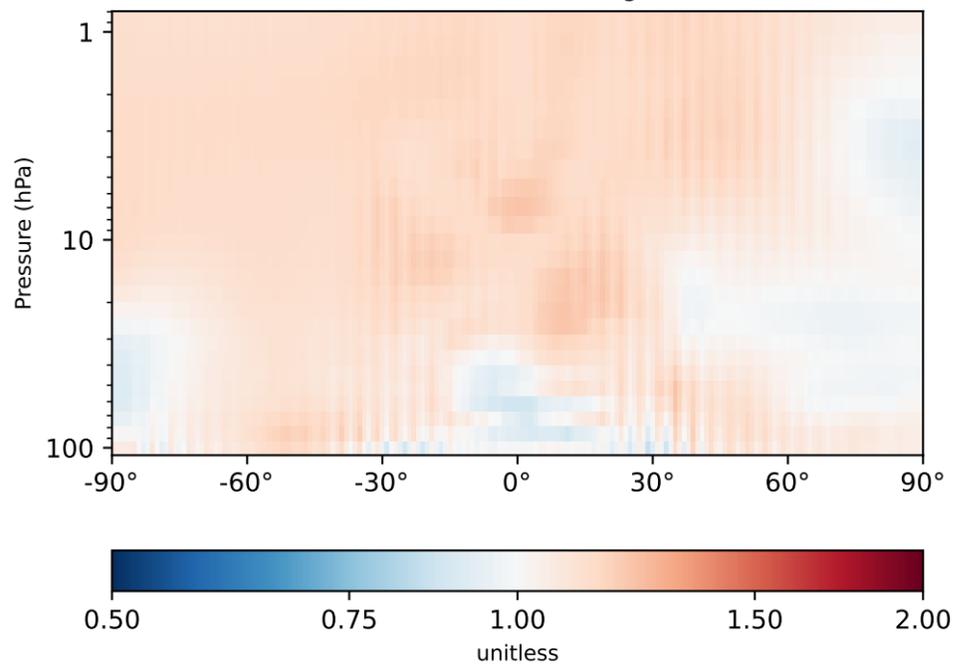
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

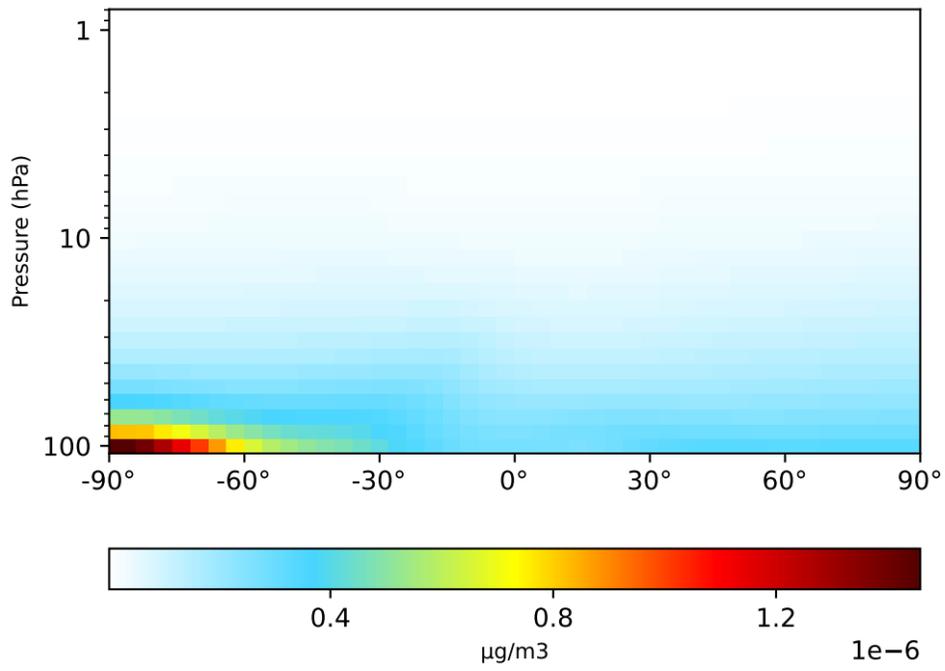


Ratio (1x1.25)  
Dev/Ref, Fixed Range

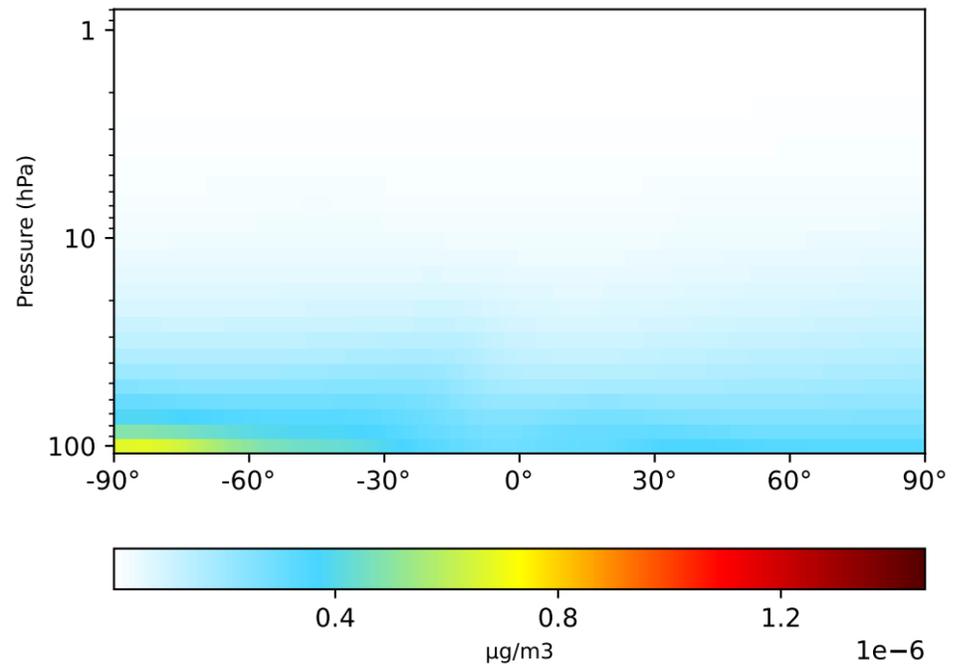


# SpeciesConcVV\_ISALA, Zonal Mean (Oct2019)

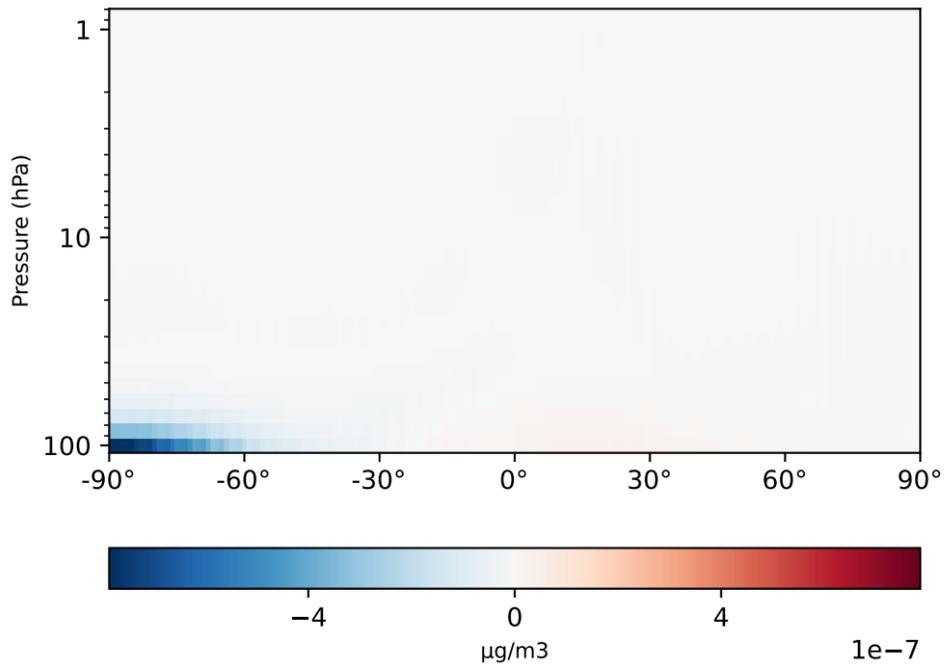
gcc.14.7.0-rc.0 (Ref)  
4.0x5.0



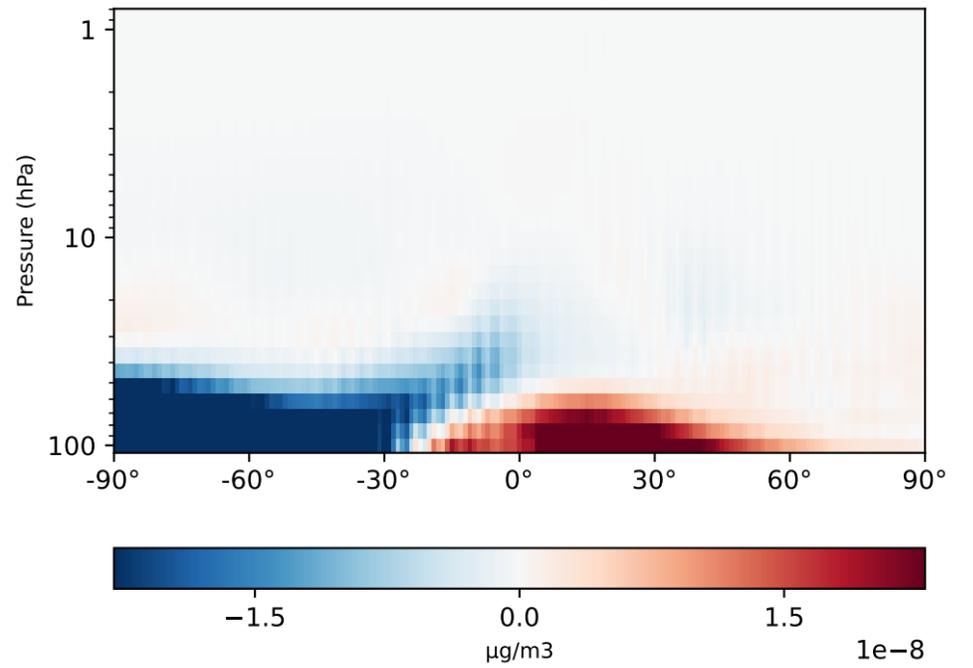
gchp.14.7.0-rc.0 (Dev)  
1x1.25 regrided from c24



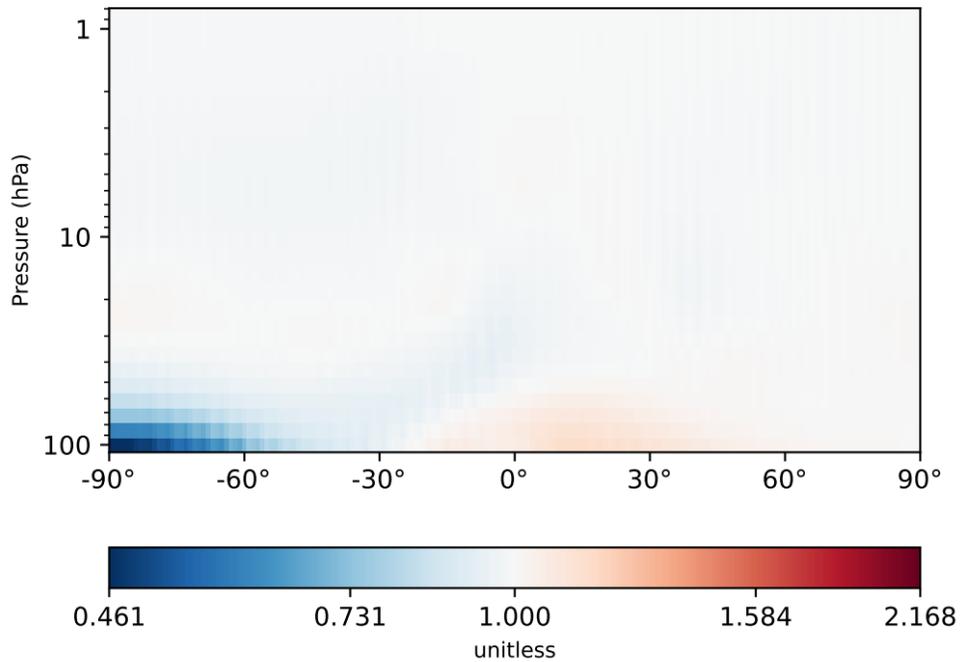
Difference (1x1.25)  
Dev - Ref, Dynamic Range



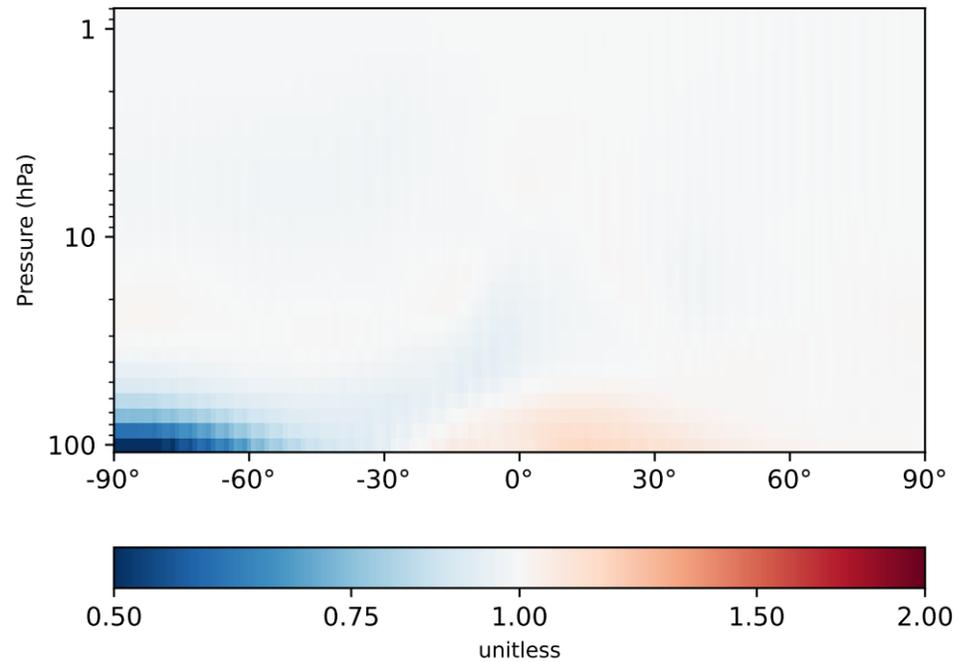
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

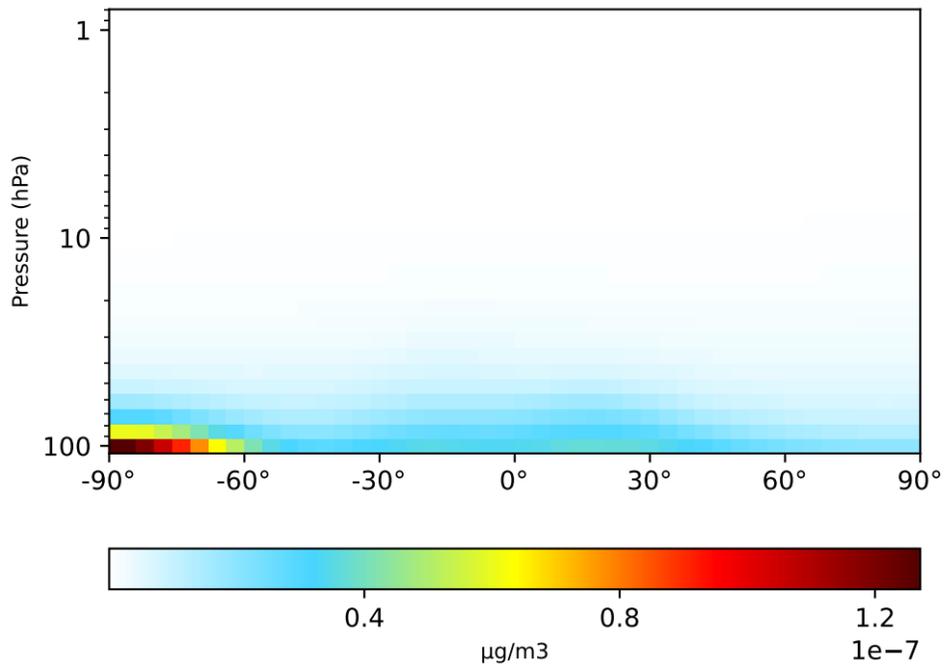


Ratio (1x1.25)  
Dev/Ref, Fixed Range

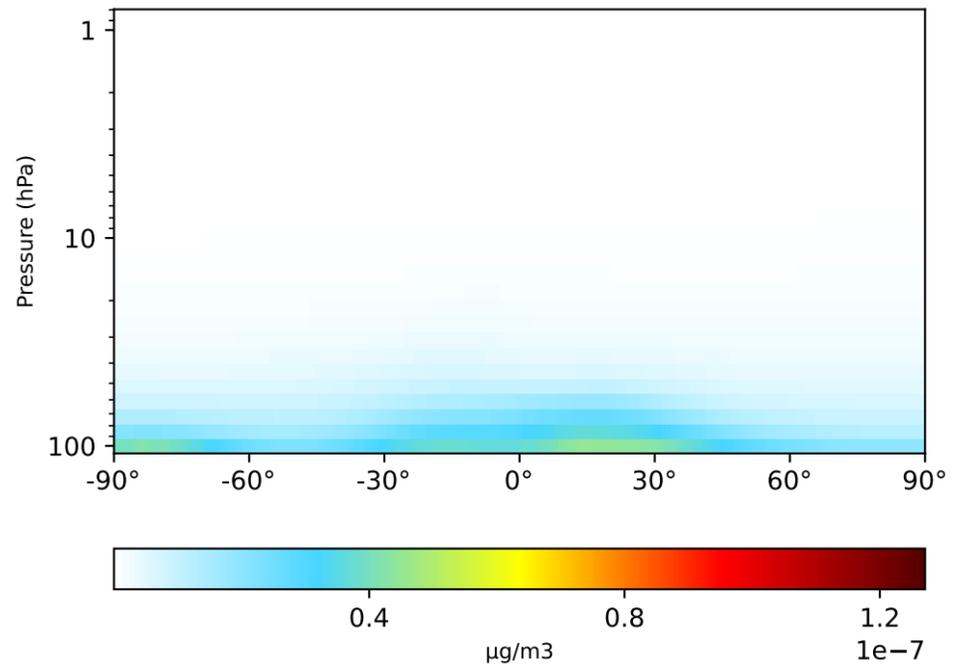


# SpeciesConcVV\_ISALC, Zonal Mean (Oct2019)

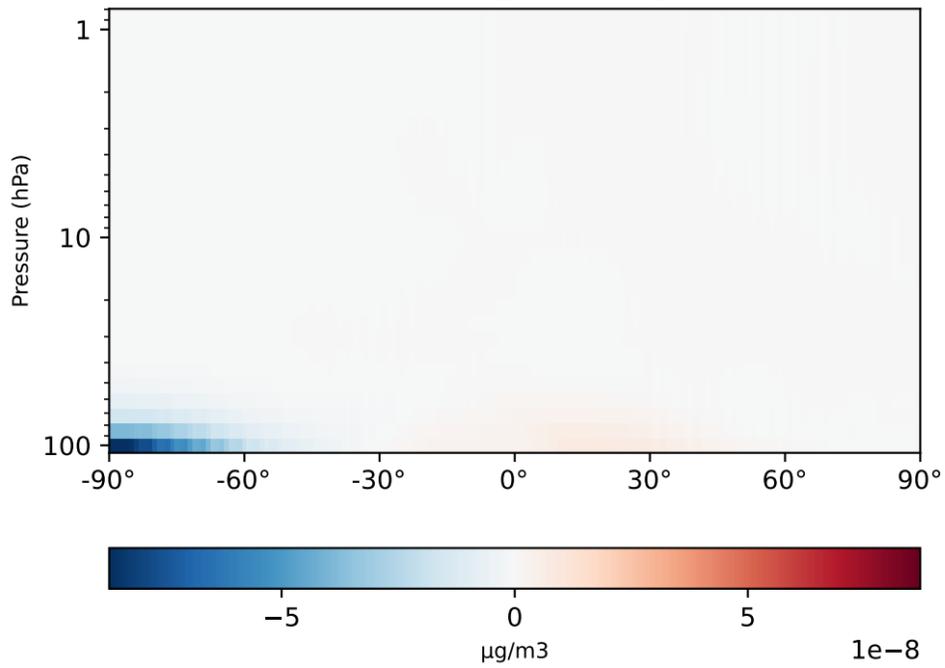
gcc.14.7.0-rc.0 (Ref)  
4.0x5.0



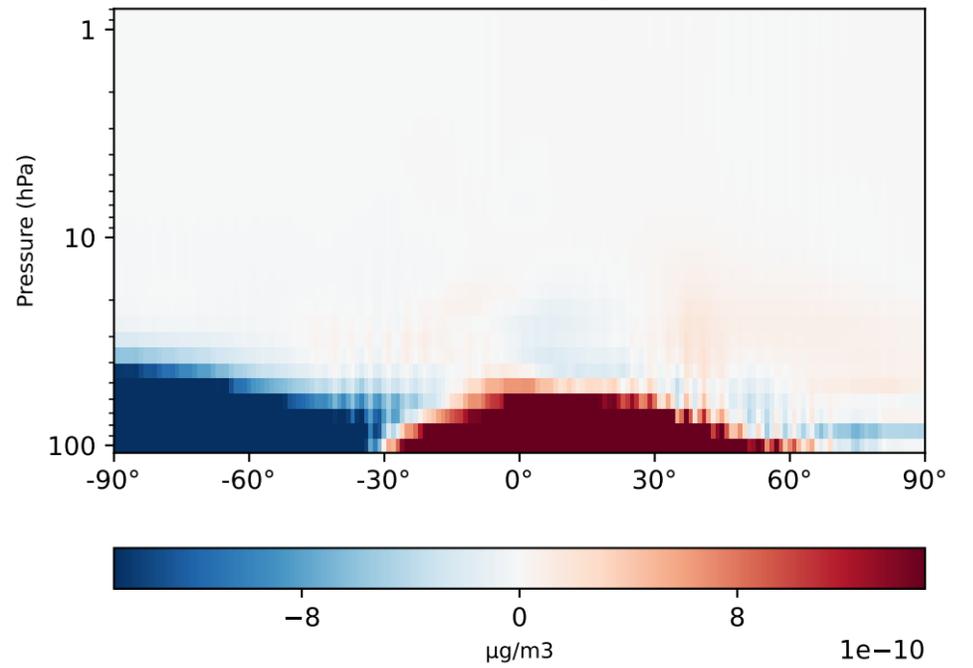
gchp.14.7.0-rc.0 (Dev)  
1x1.25 regridded from c24



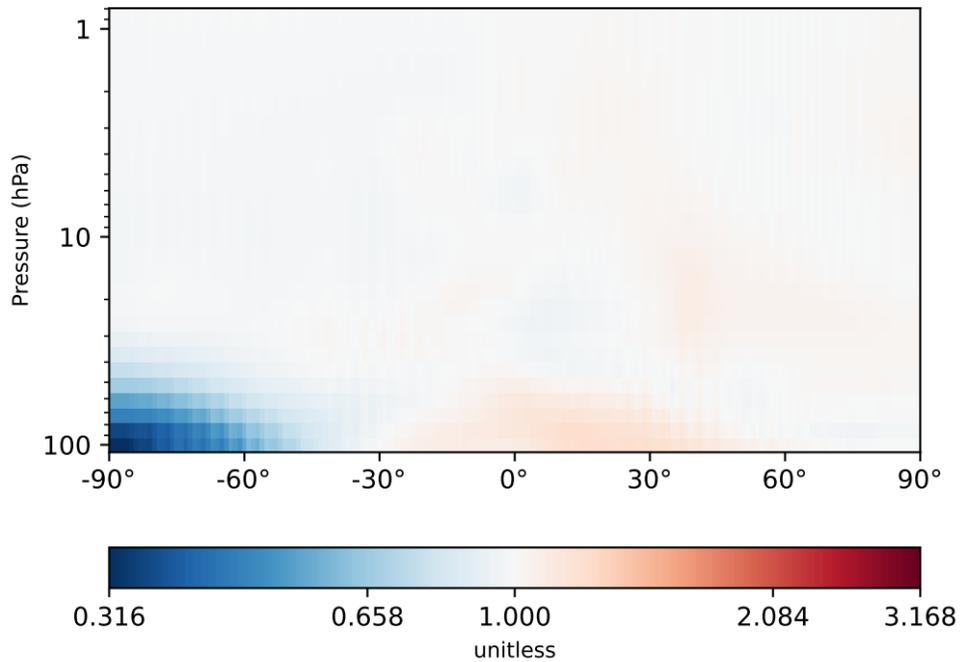
Difference (1x1.25)  
Dev - Ref, Dynamic Range



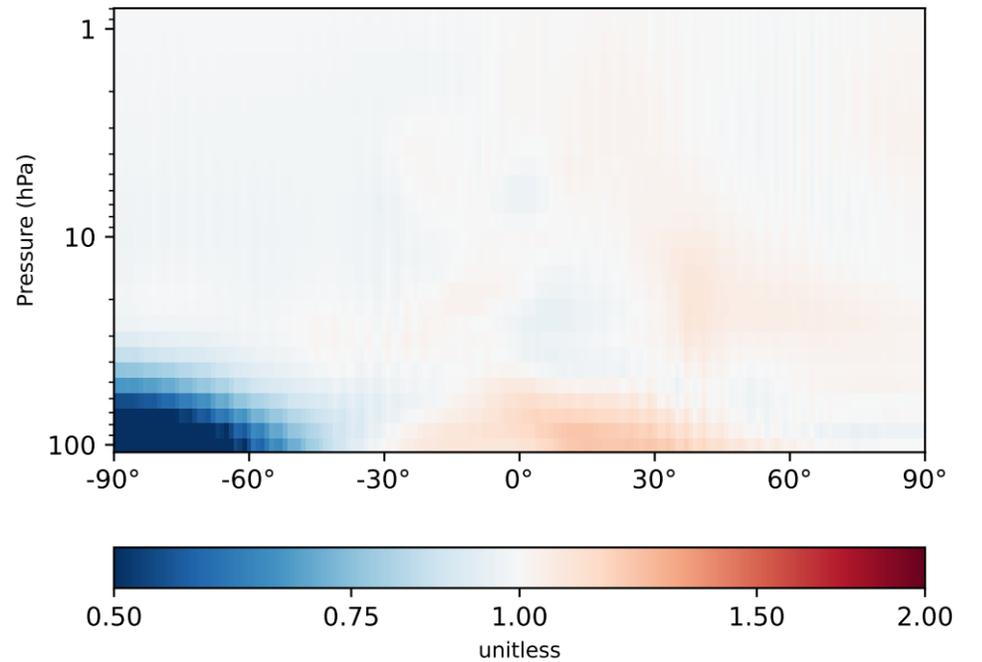
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

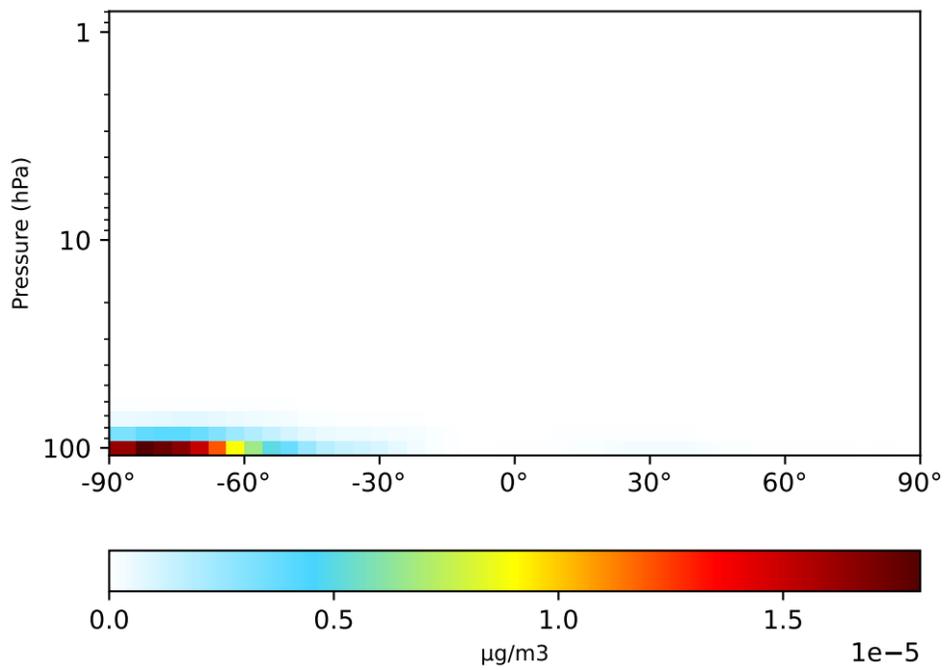


Ratio (1x1.25)  
Dev/Ref, Fixed Range

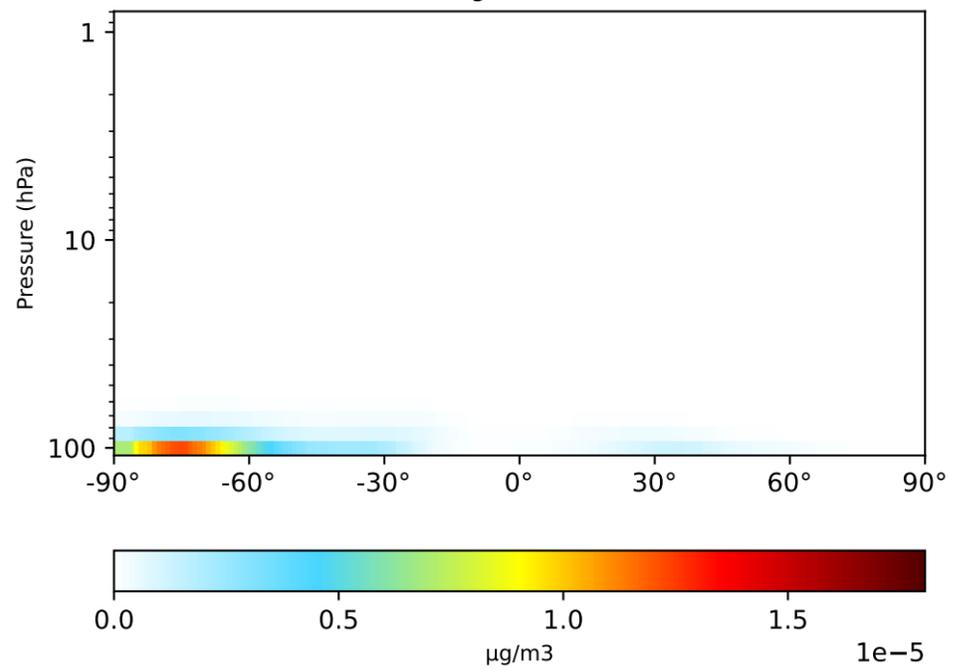


# SpeciesConcVV\_NITs, Zonal Mean (Oct2019)

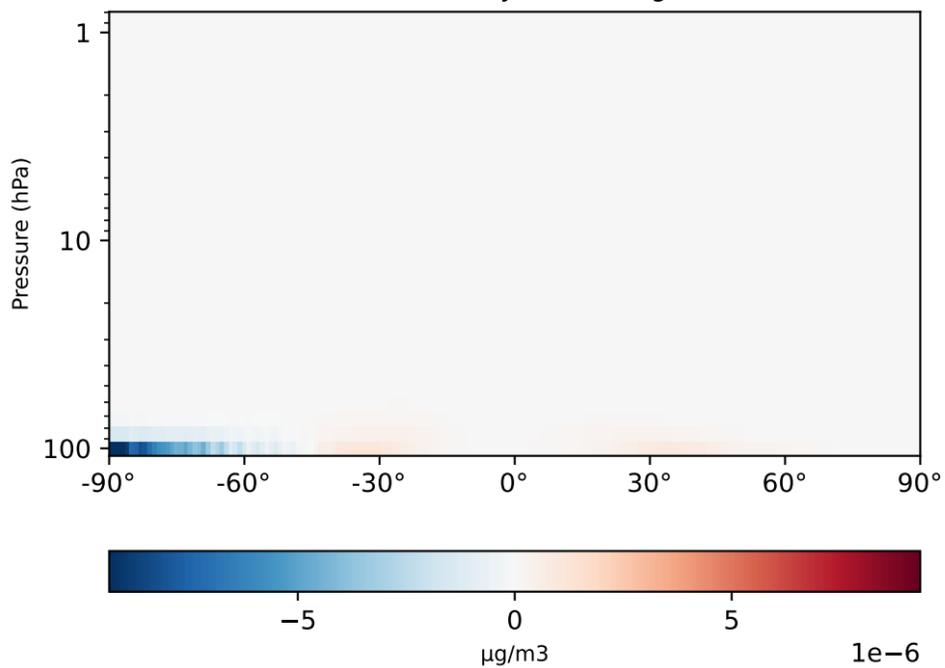
gcc.14.7.0-rc.0 (Ref)  
4.0x5.0



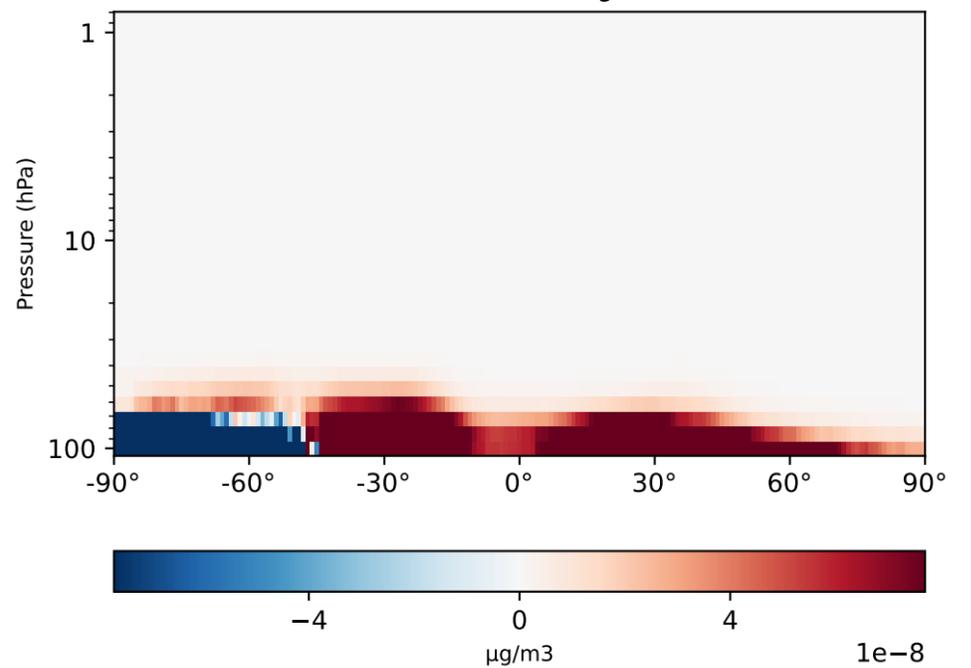
gchp.14.7.0-rc.0 (Dev)  
1x1.25 regridded from c24



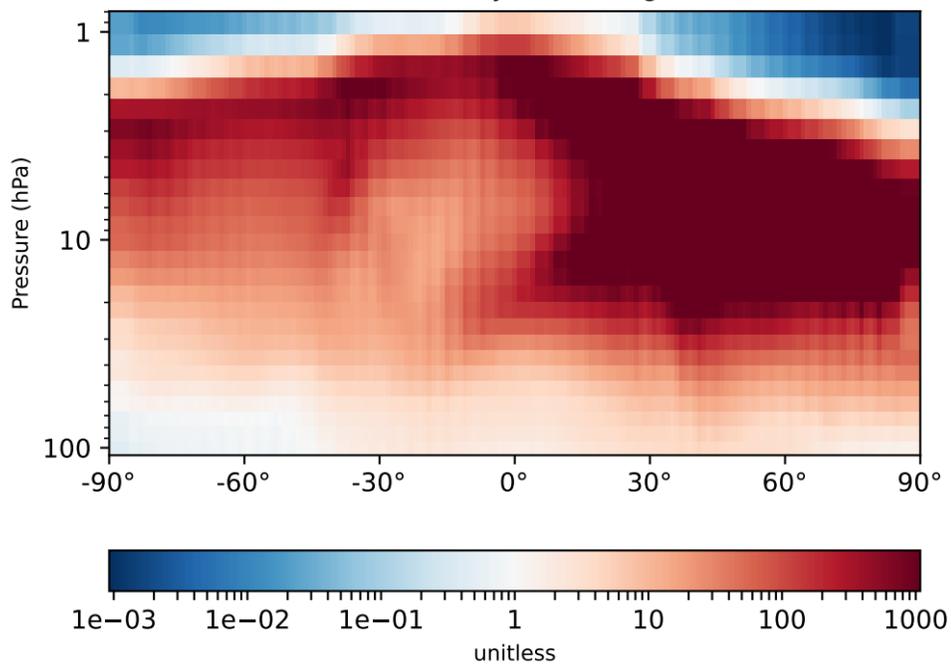
Difference (1x1.25)  
Dev - Ref, Dynamic Range



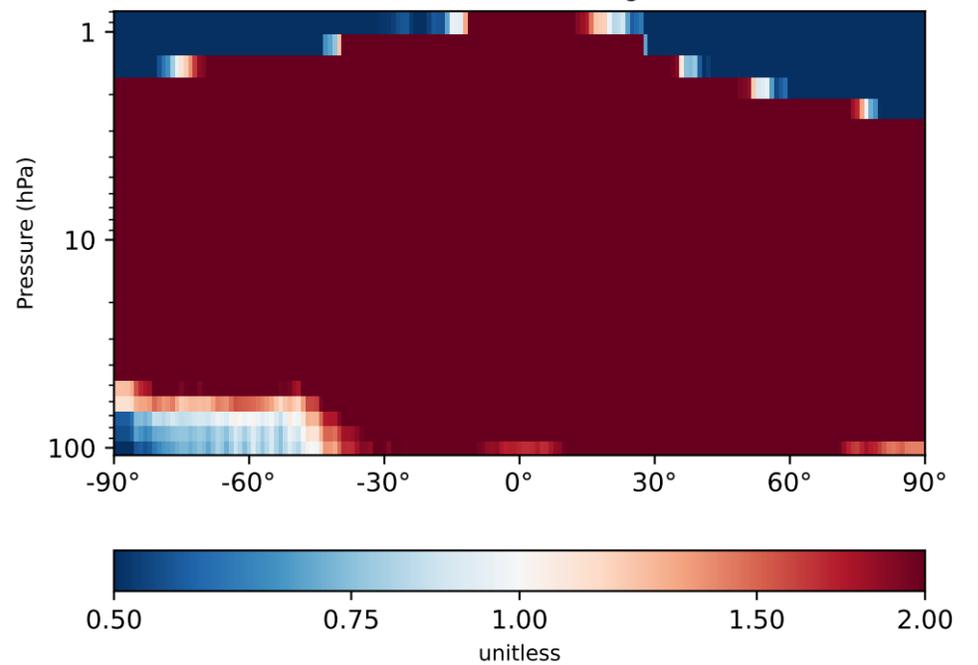
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

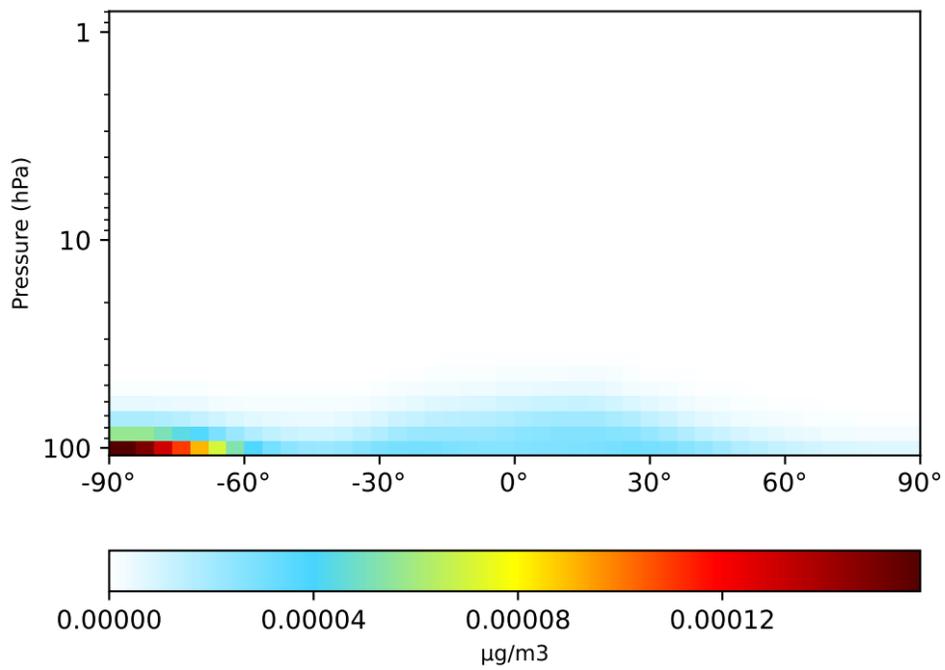


Ratio (1x1.25)  
Dev/Ref, Fixed Range

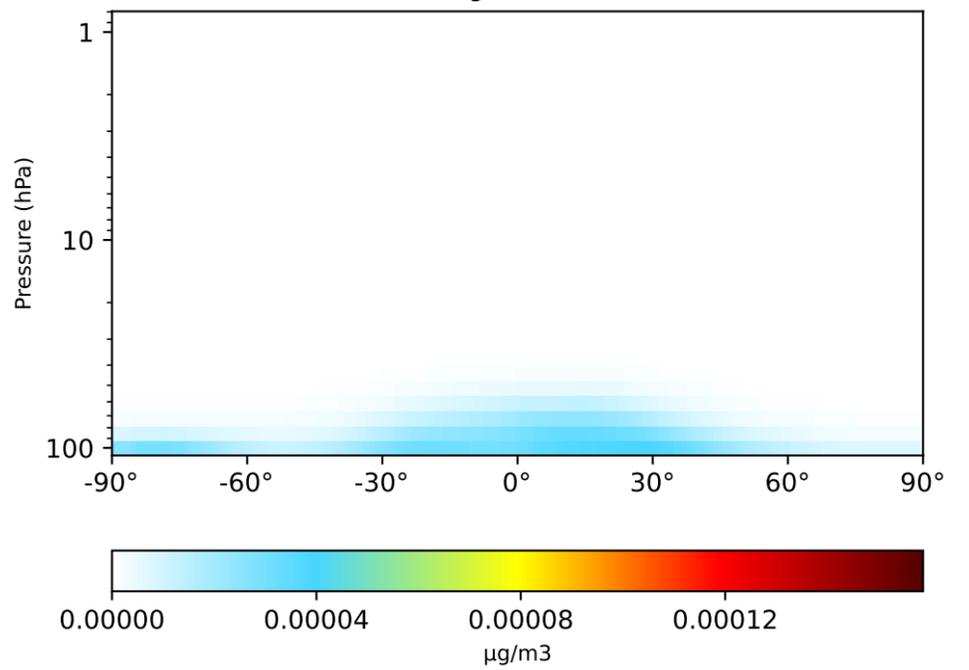


# SpeciesConcVV\_SALA, Zonal Mean (Oct2019)

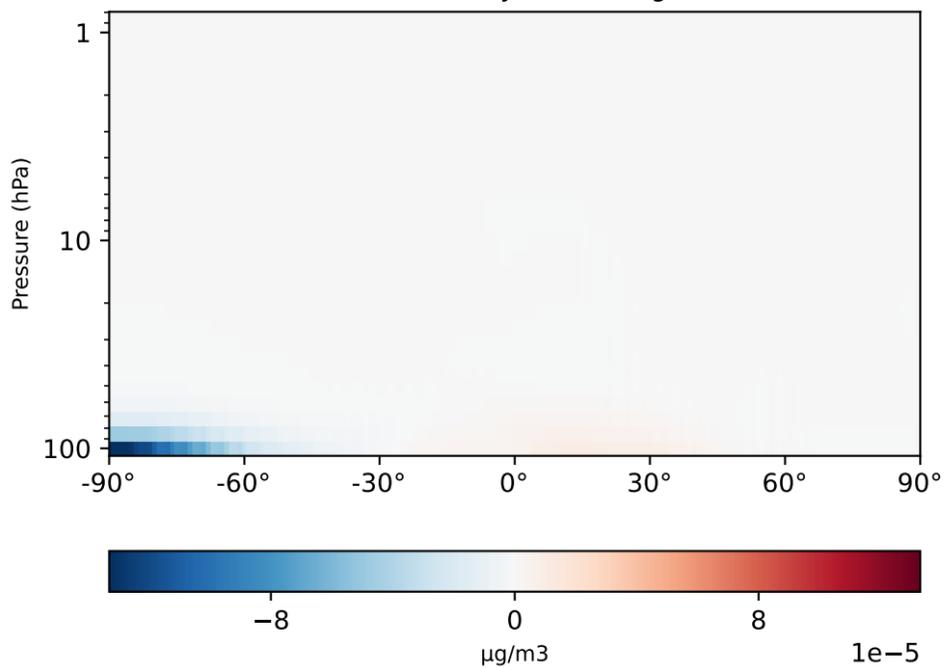
gcc.14.7.0-rc.0 (Ref)  
4.0x5.0



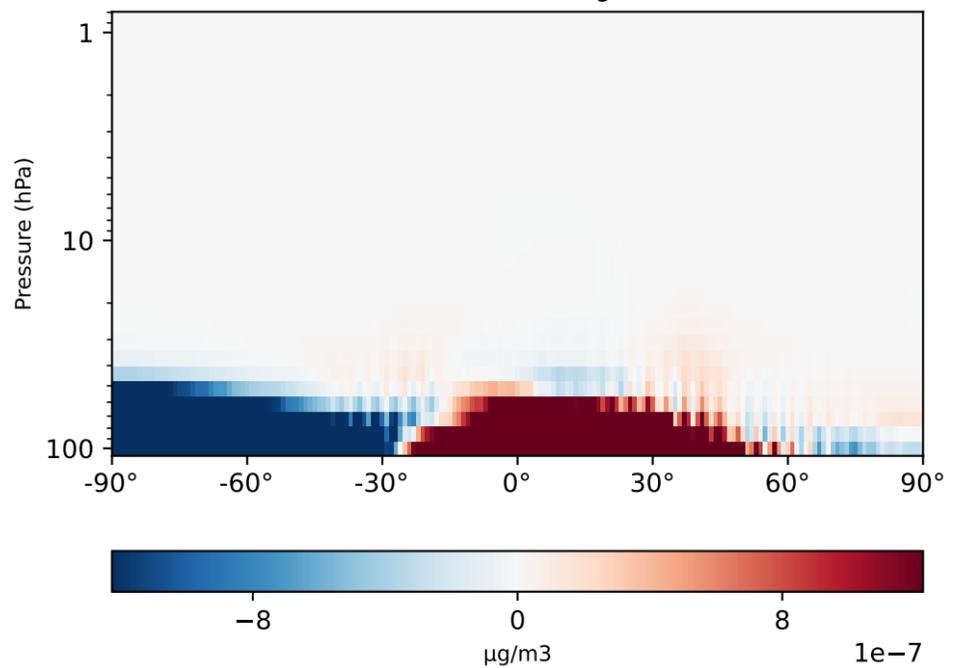
gchp.14.7.0-rc.0 (Dev)  
1x1.25 regridded from c24



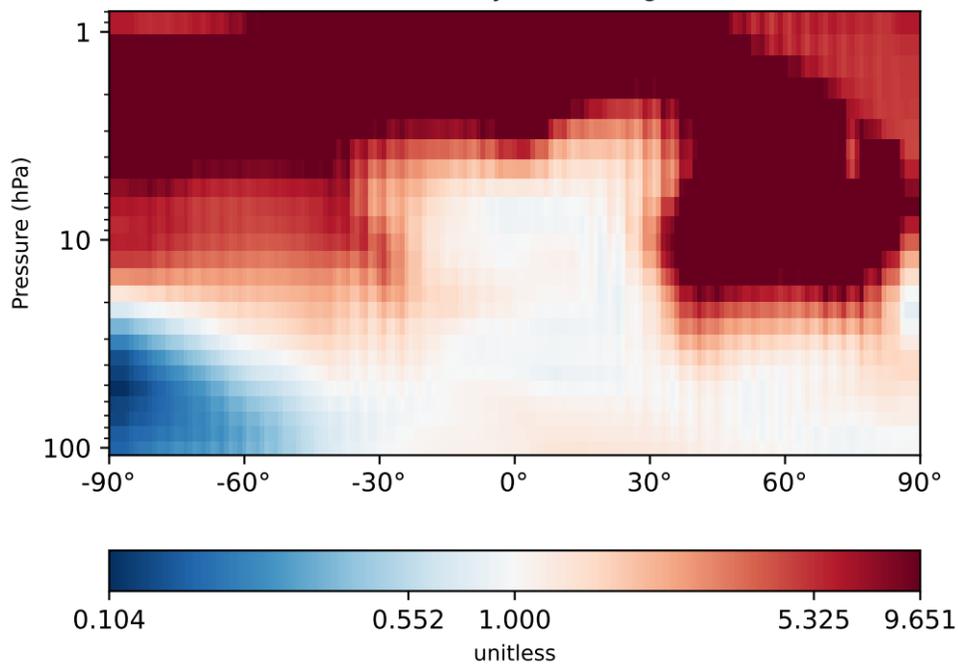
Difference (1x1.25)  
Dev - Ref, Dynamic Range



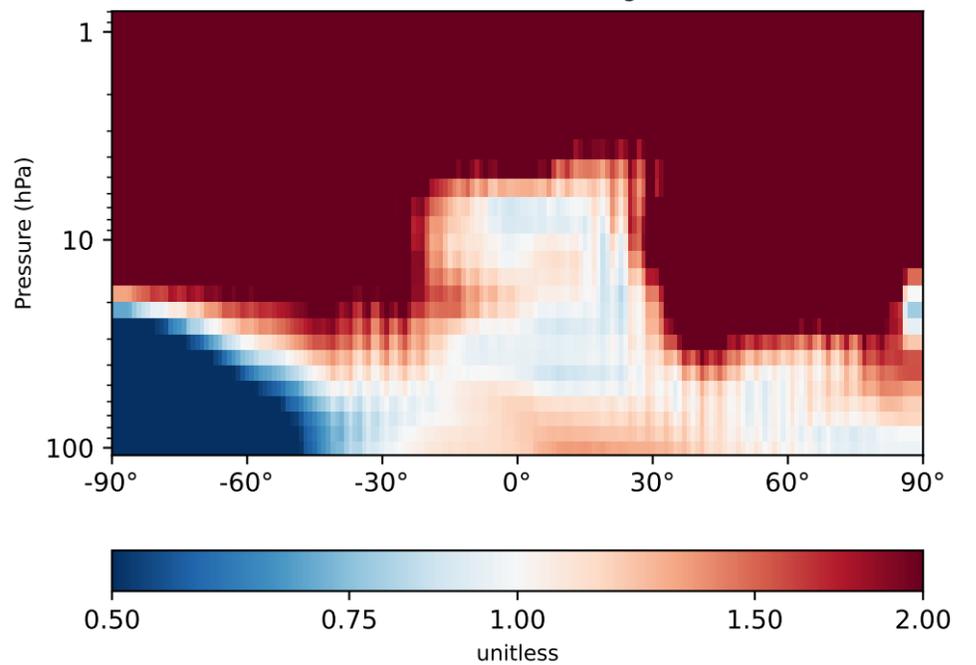
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

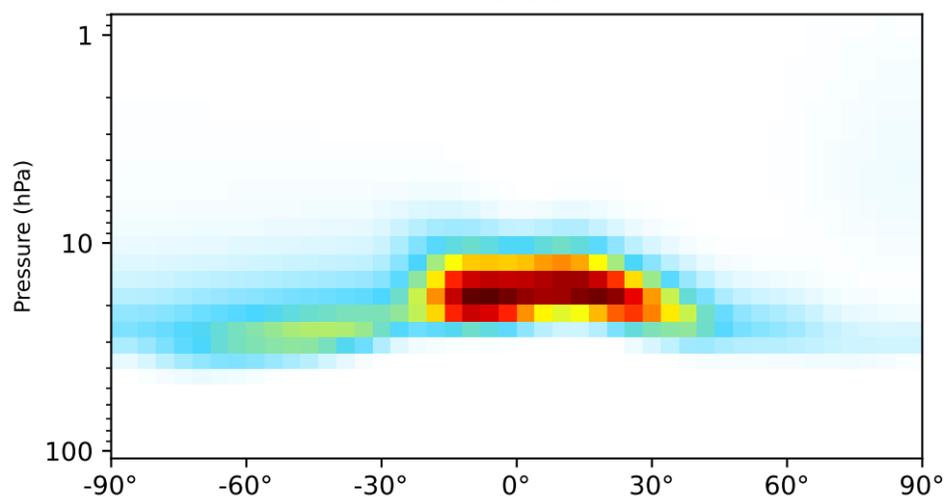


Ratio (1x1.25)  
Dev/Ref, Fixed Range

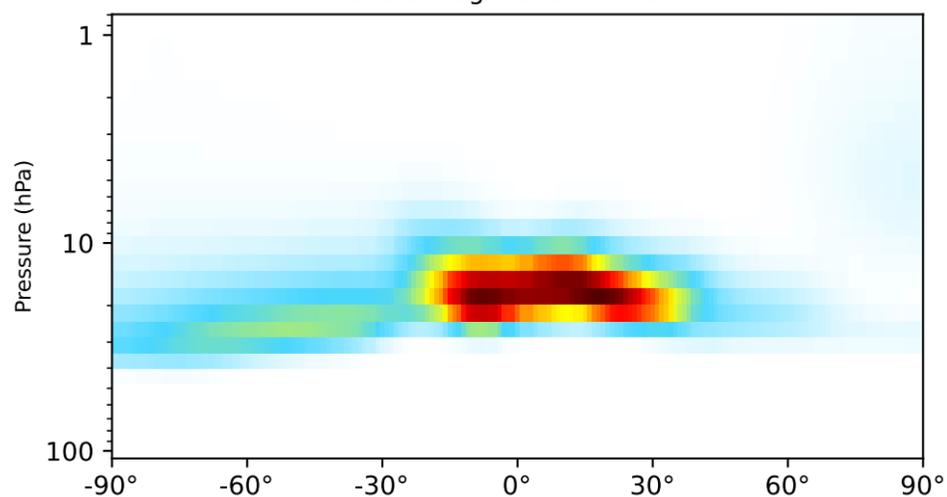


# SpeciesConcVV\_SALAAL, Zonal Mean (Oct2019)

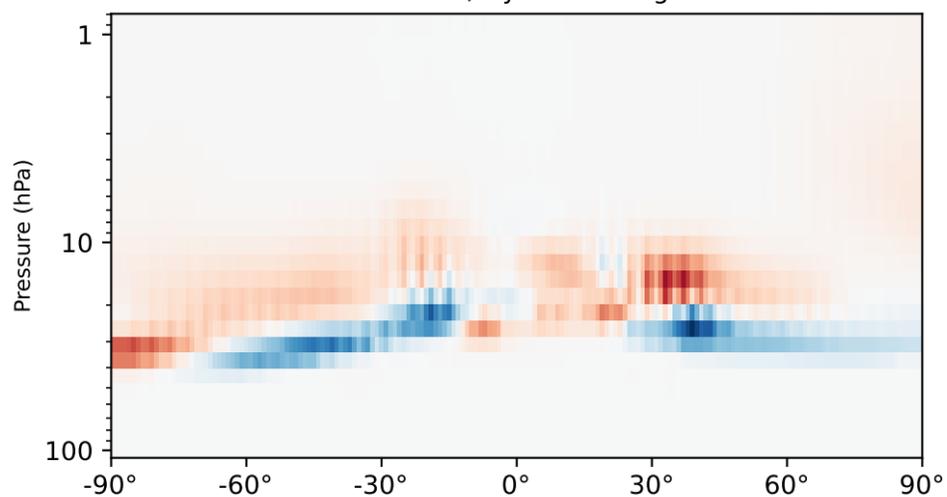
gcc.14.7.0-rc.0 (Ref)  
4.0x5.0



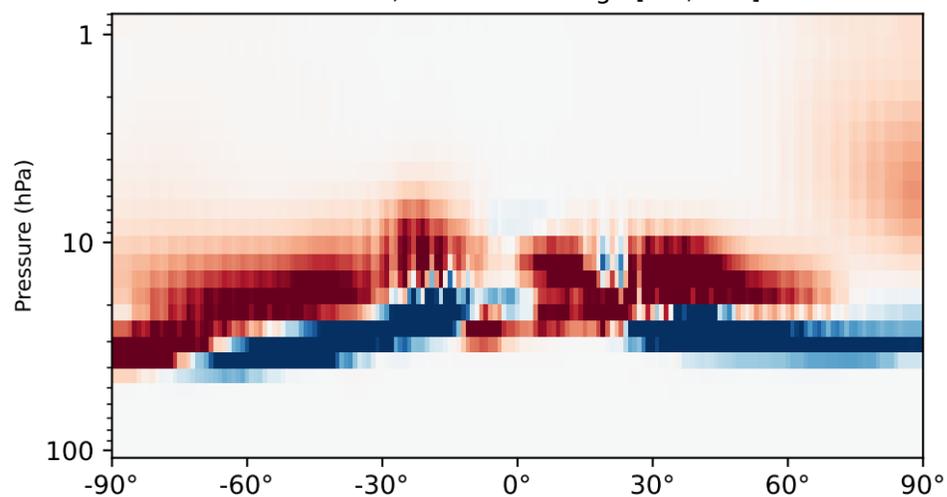
gchp.14.7.0-rc.0 (Dev)  
1x1.25 regridded from c24



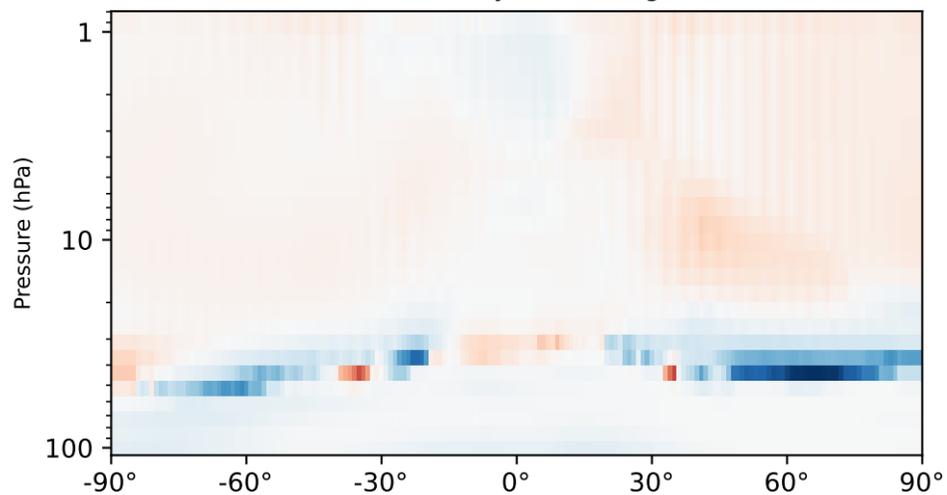
Difference (1x1.25)  
Dev - Ref, Dynamic Range



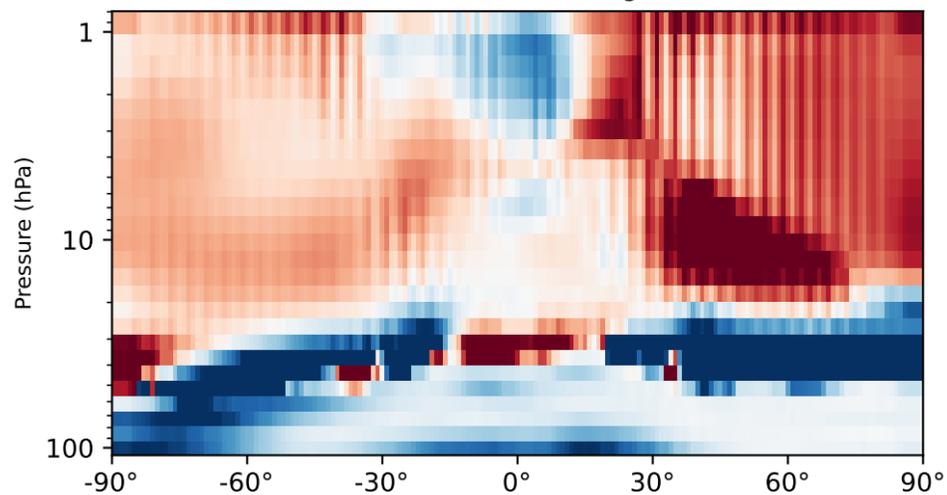
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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



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

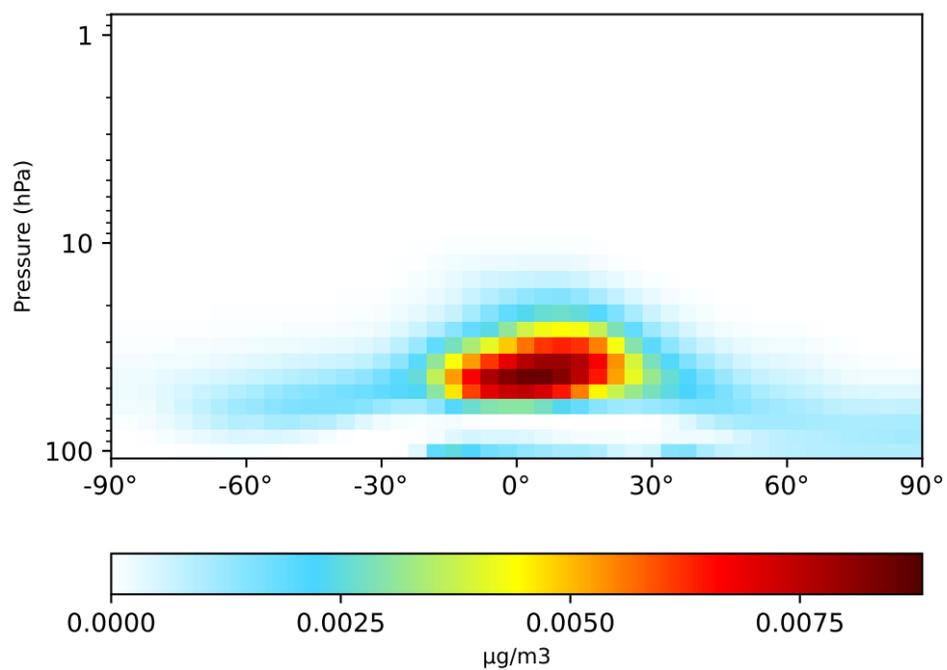


1e-02 1e-01 1 10 100  
unitless

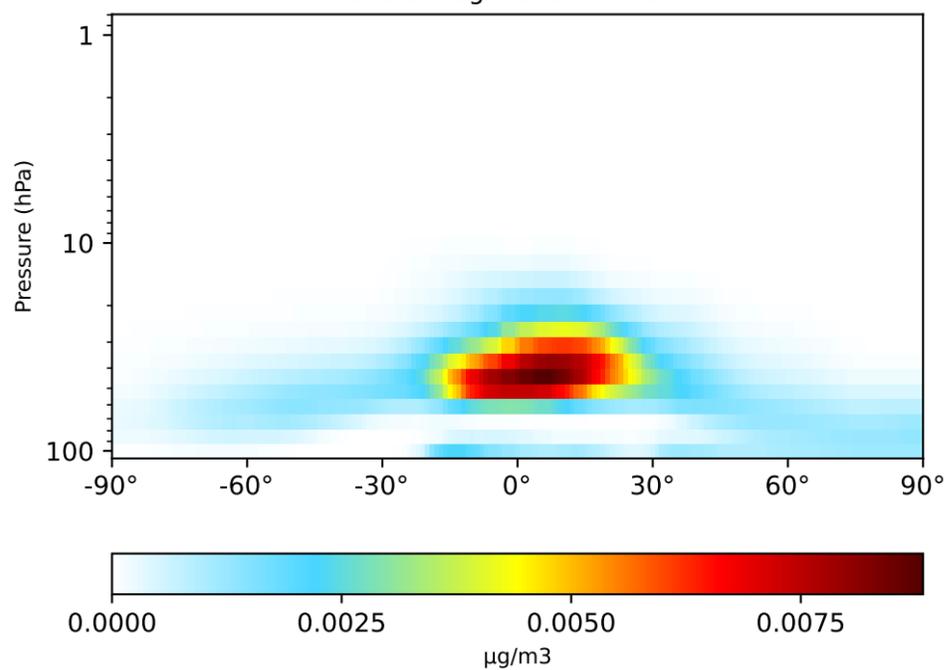
0.50 0.75 1.00 1.50 2.00  
unitless

# SpeciesConcVV\_SALACL, Zonal Mean (Oct2019)

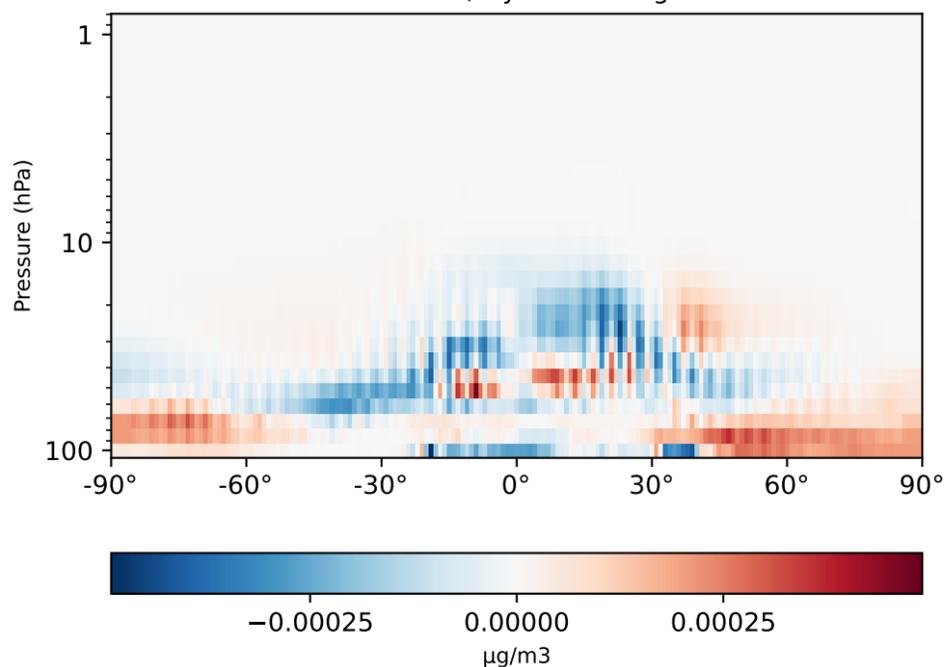
gcc.14.7.0-rc.0 (Ref)  
4.0x5.0



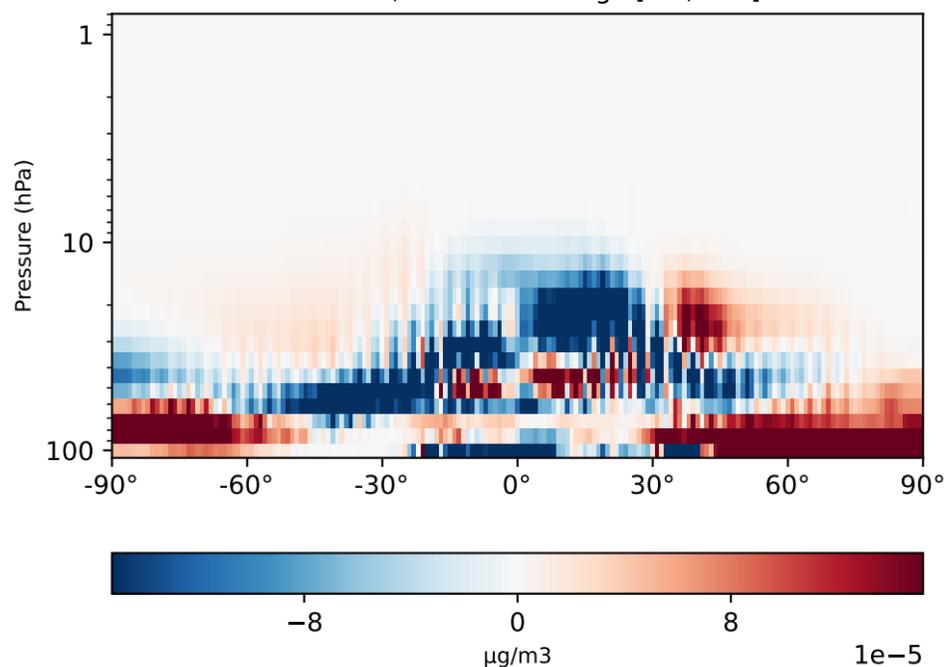
gchp.14.7.0-rc.0 (Dev)  
1x1.25 regridded from c24



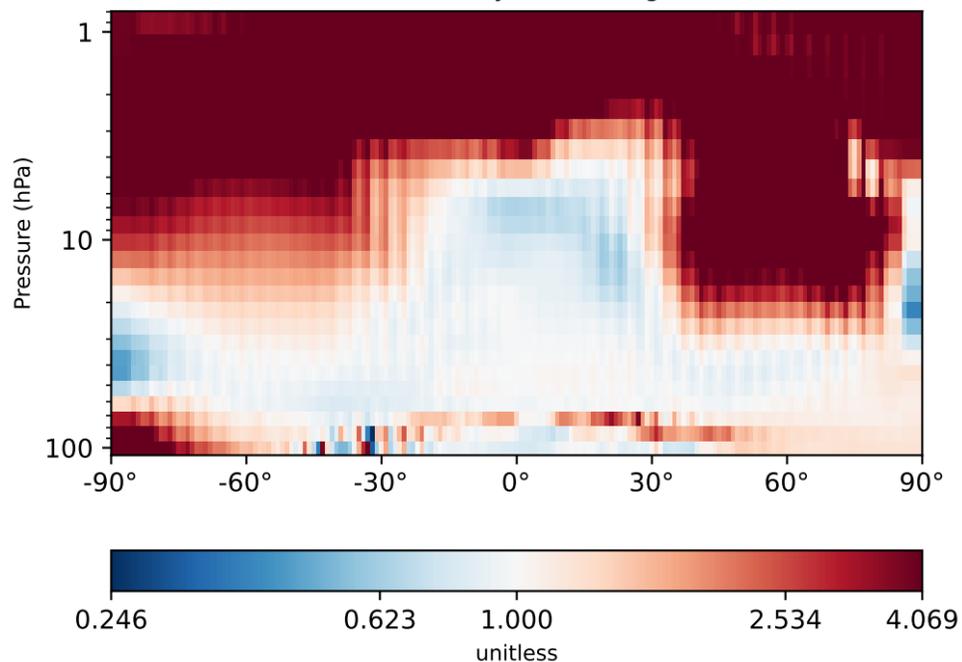
Difference (1x1.25)  
Dev - Ref, Dynamic Range



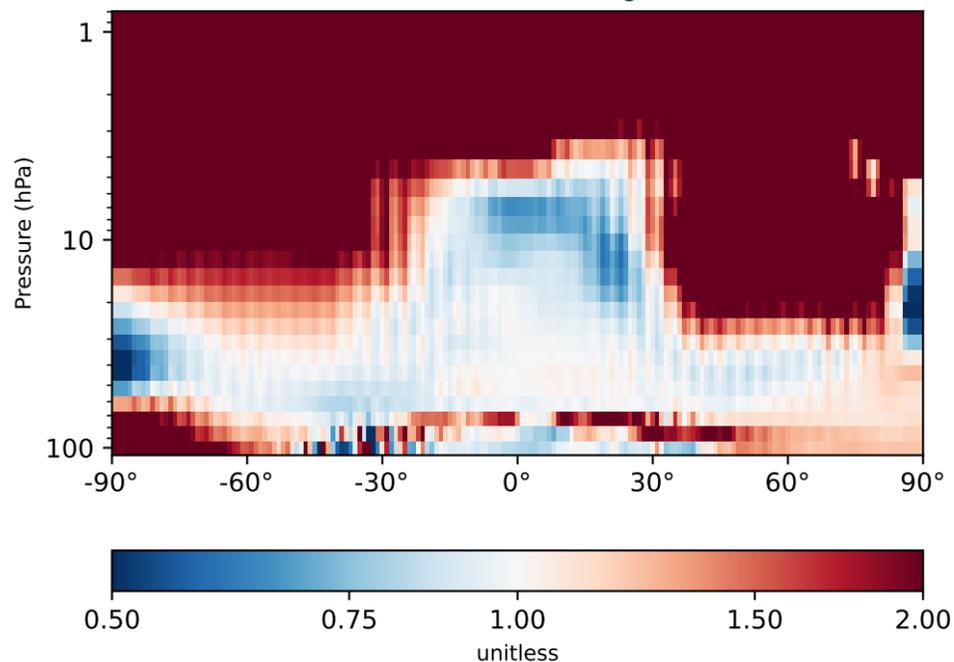
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

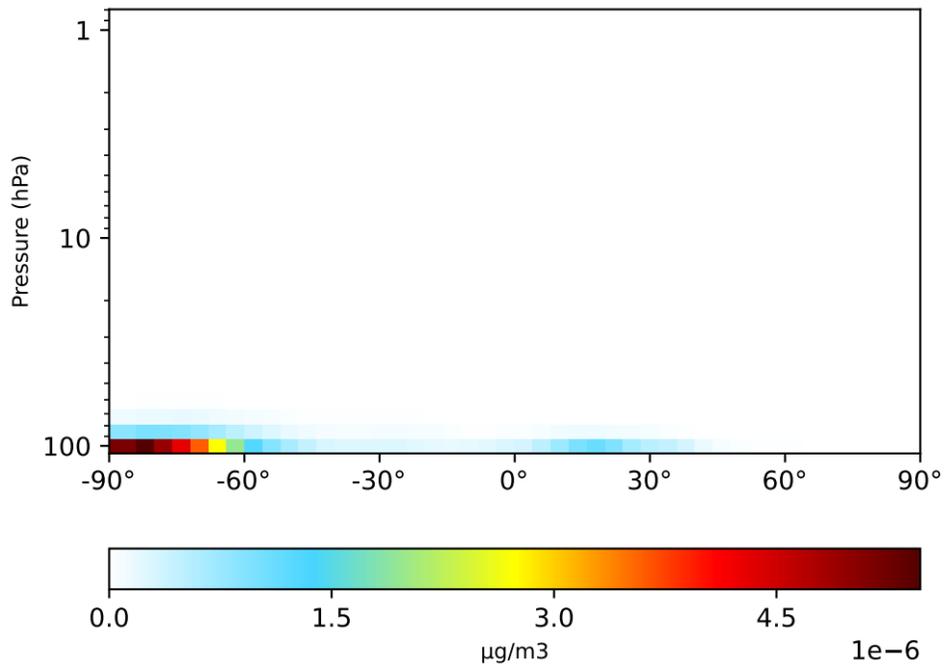


Ratio (1x1.25)  
Dev/Ref, Fixed Range

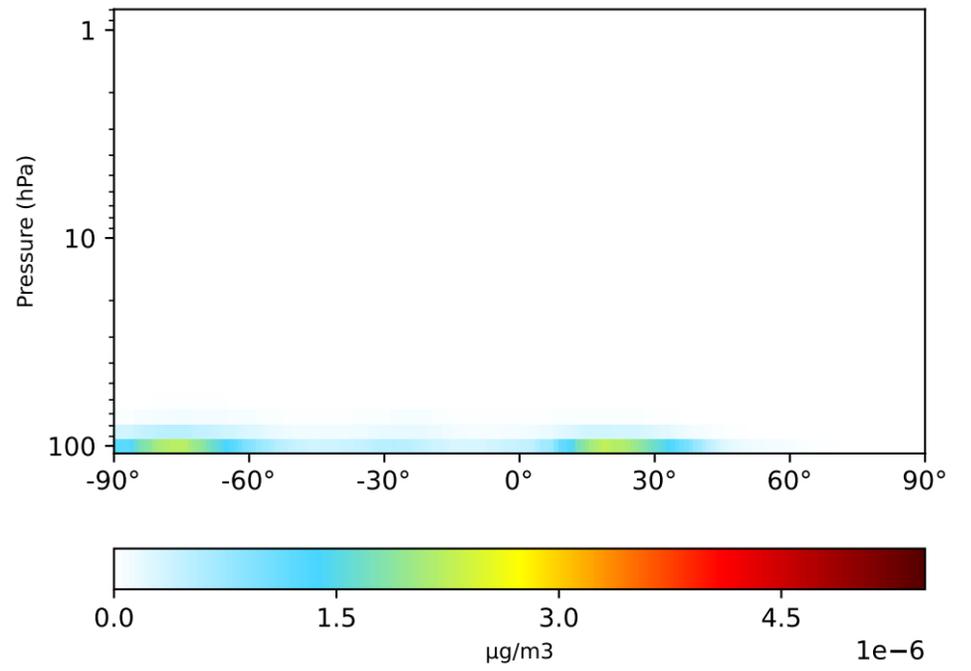


# SpeciesConcVV\_SALC, Zonal Mean (Oct2019)

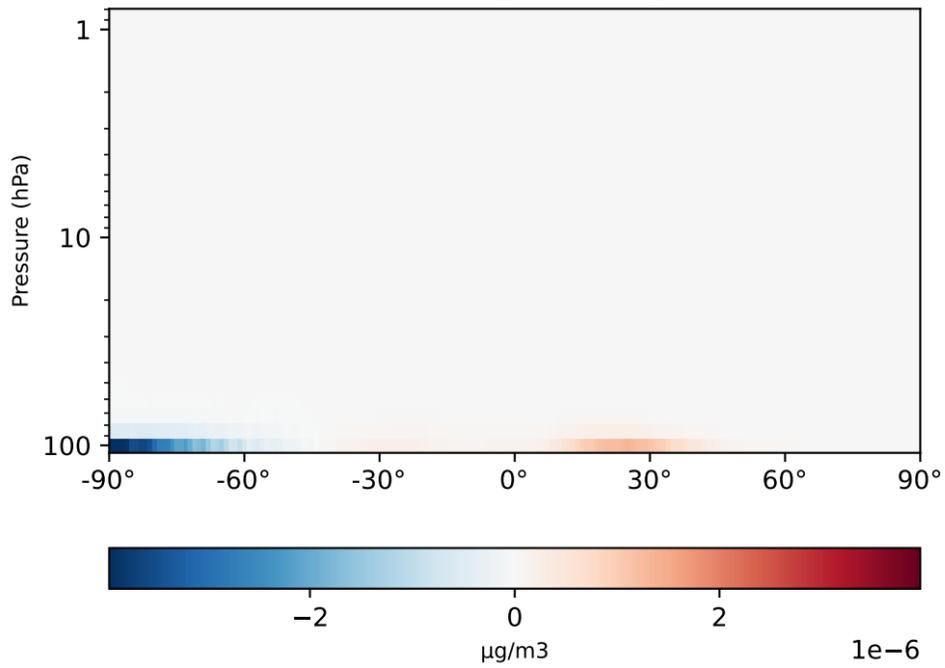
gcc.14.7.0-rc.0 (Ref)  
4.0x5.0



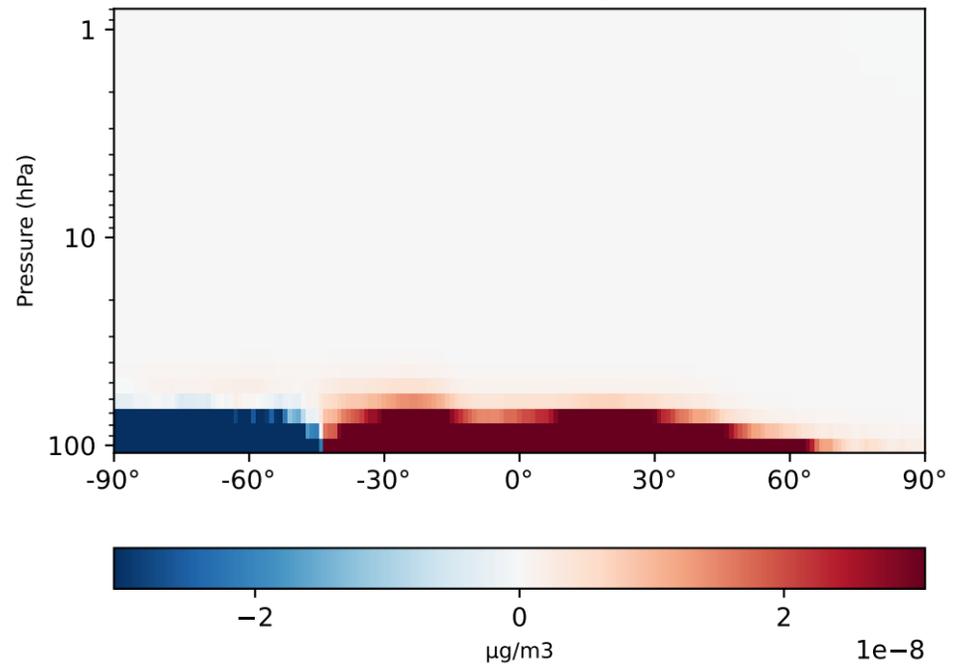
gchp.14.7.0-rc.0 (Dev)  
1x1.25 regridded from c24



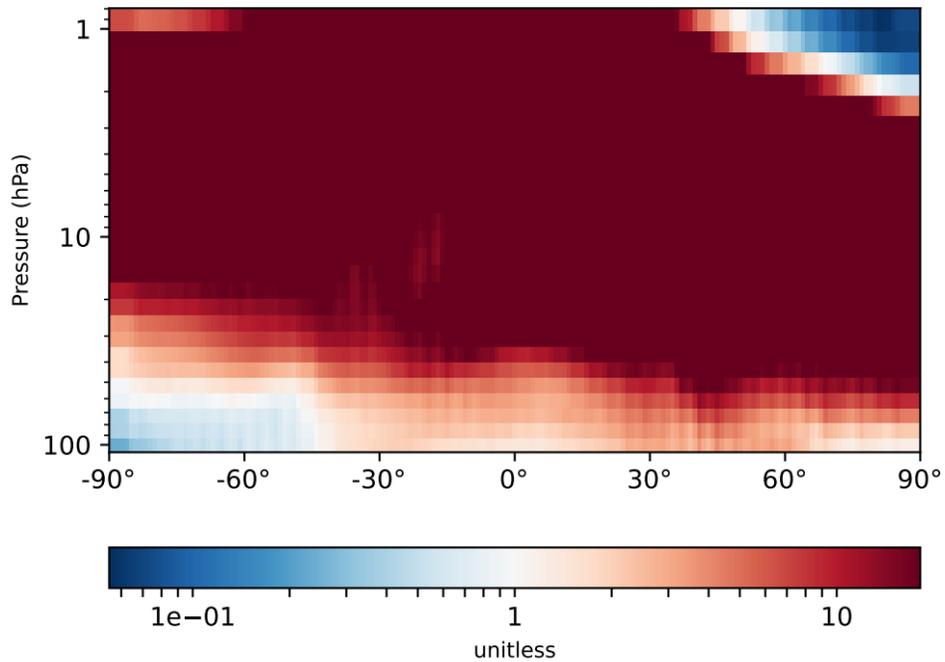
Difference (1x1.25)  
Dev - Ref, Dynamic Range



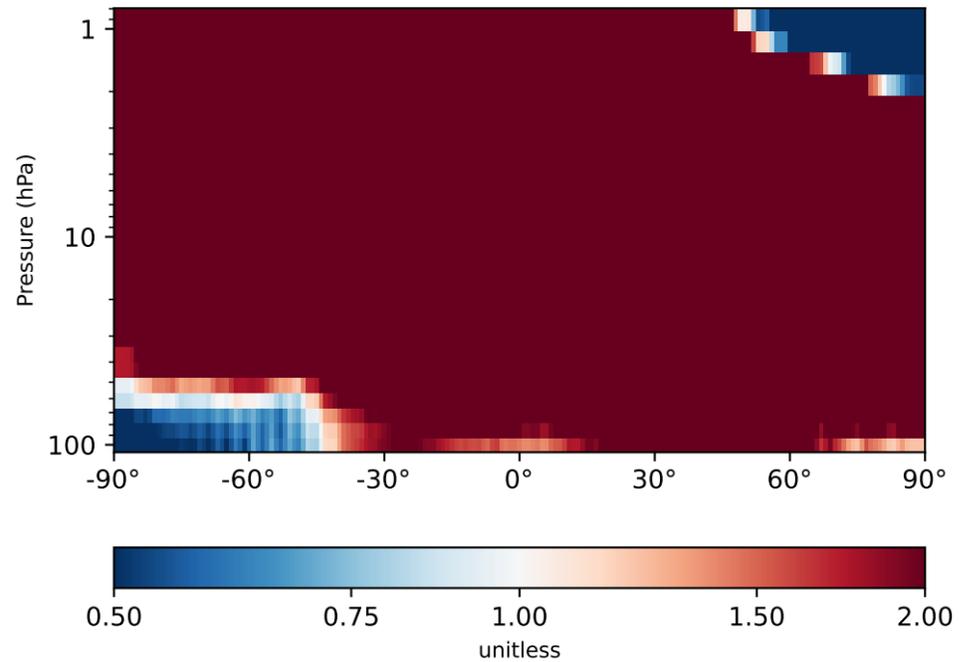
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

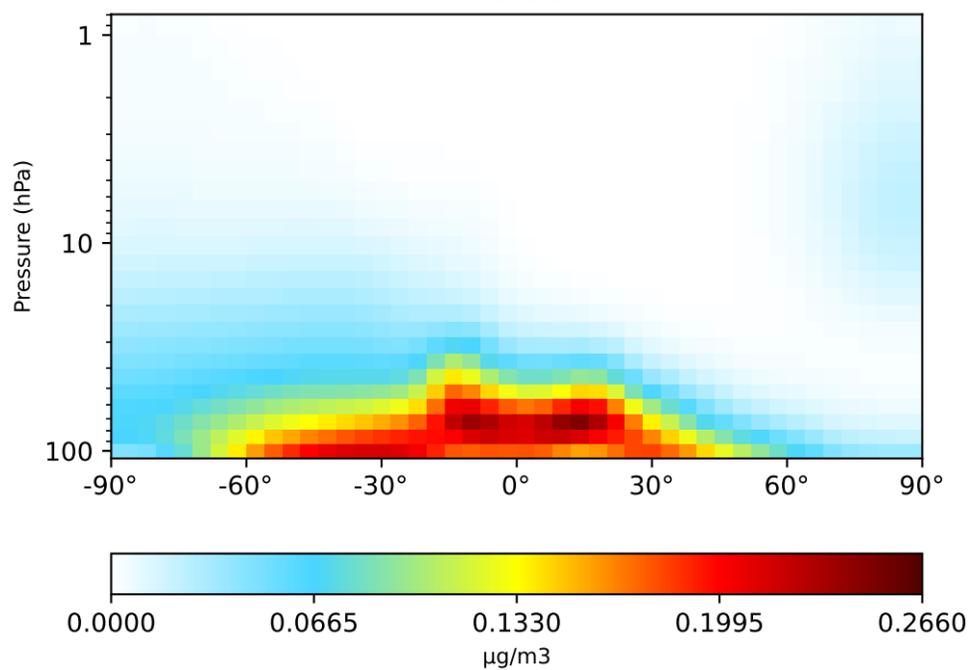


Ratio (1x1.25)  
Dev/Ref, Fixed Range

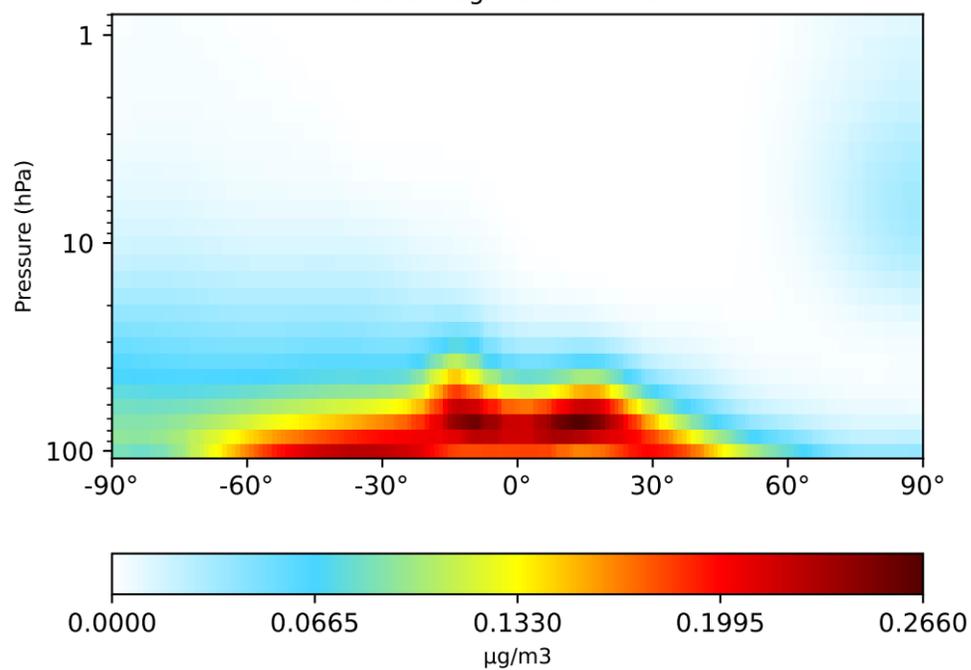


# SpeciesConcVV\_SALCAL, Zonal Mean (Oct2019)

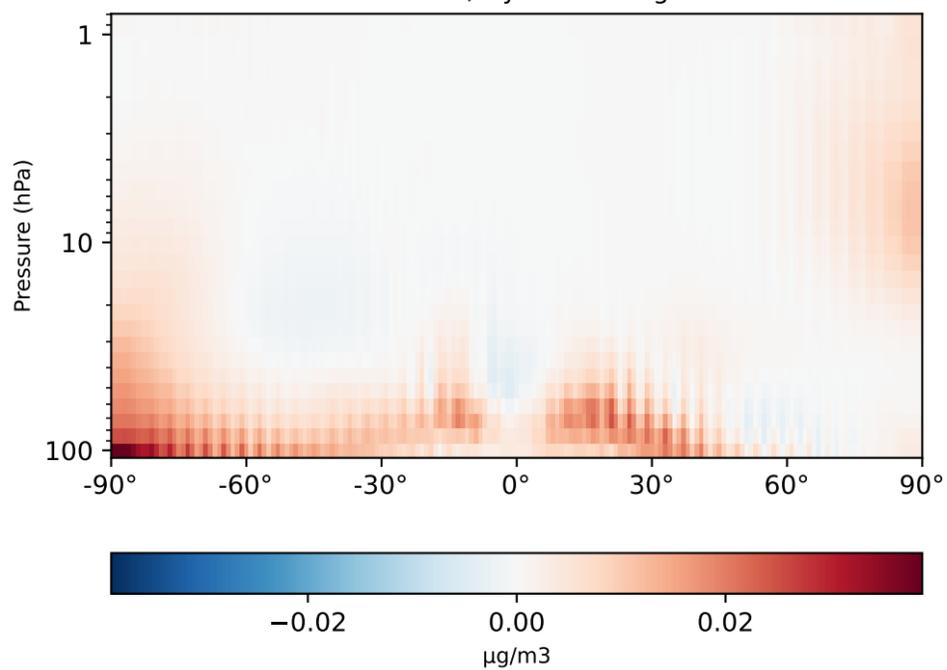
gcc.14.7.0-rc.0 (Ref)  
4.0x5.0



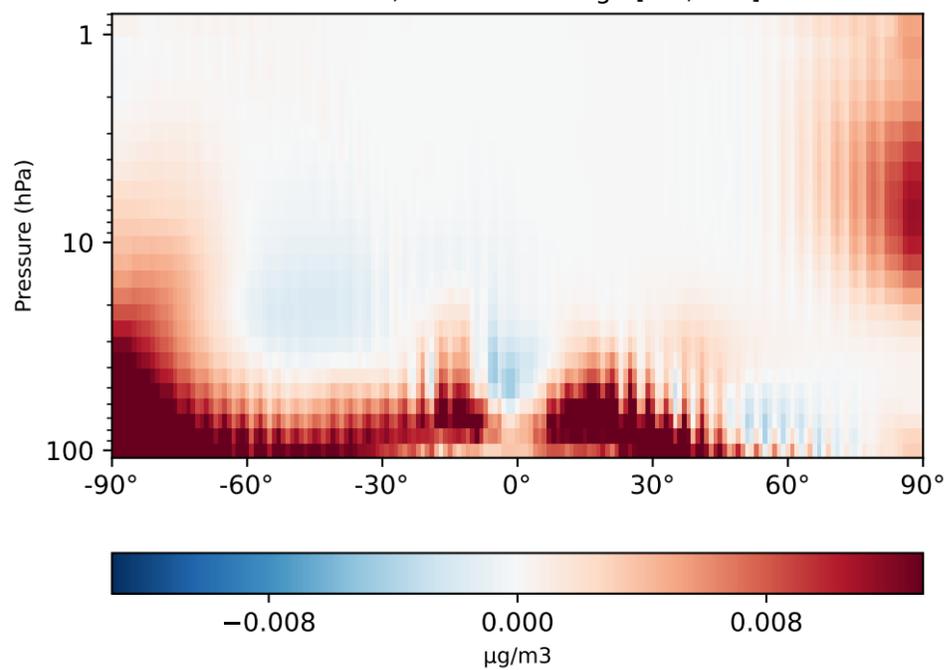
gchp.14.7.0-rc.0 (Dev)  
1x1.25 regridded from c24



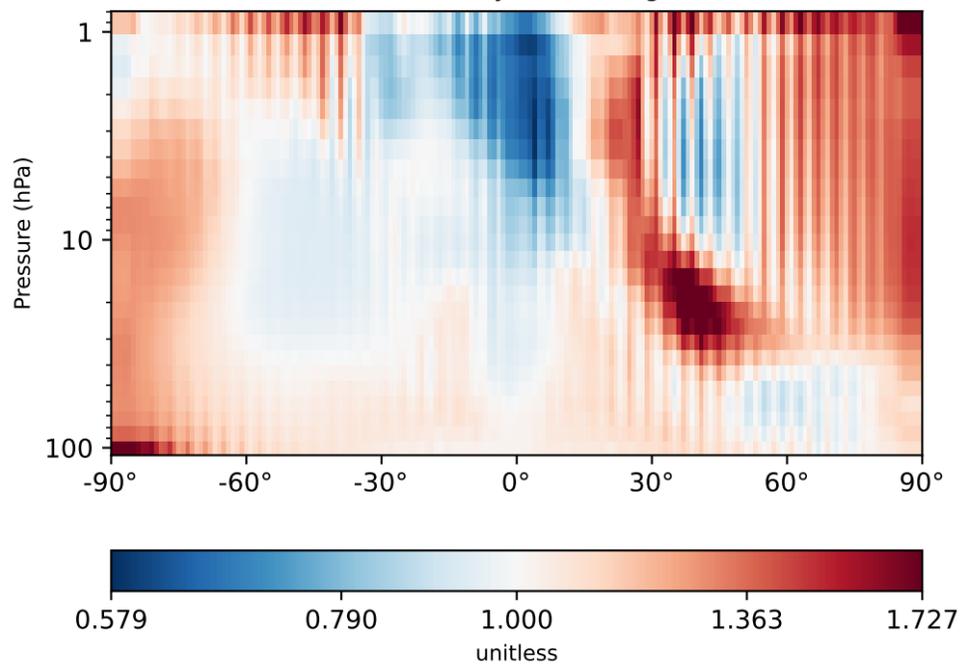
Difference (1x1.25)  
Dev - Ref, Dynamic Range



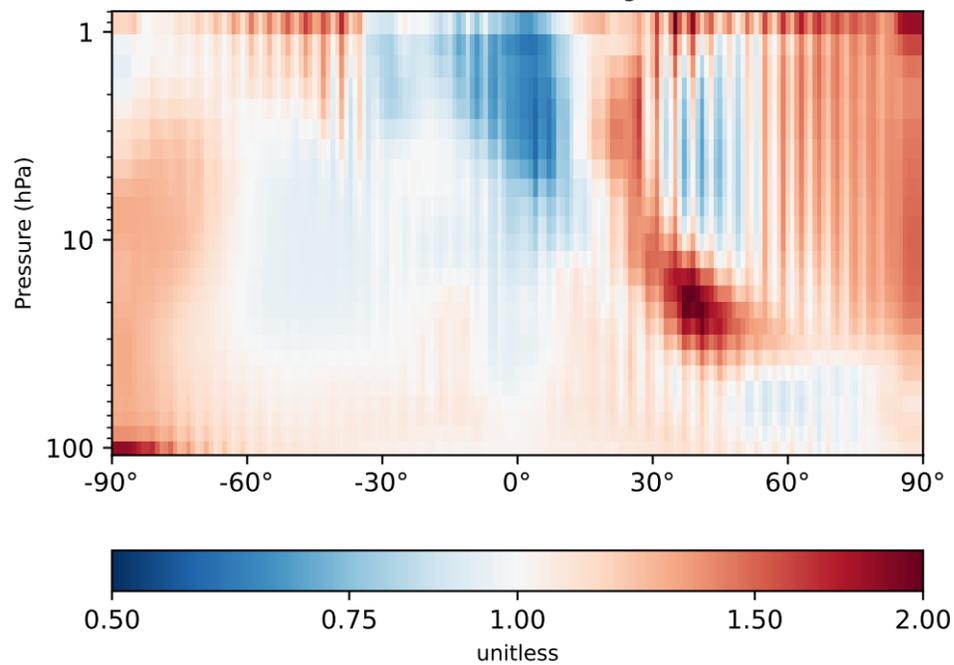
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

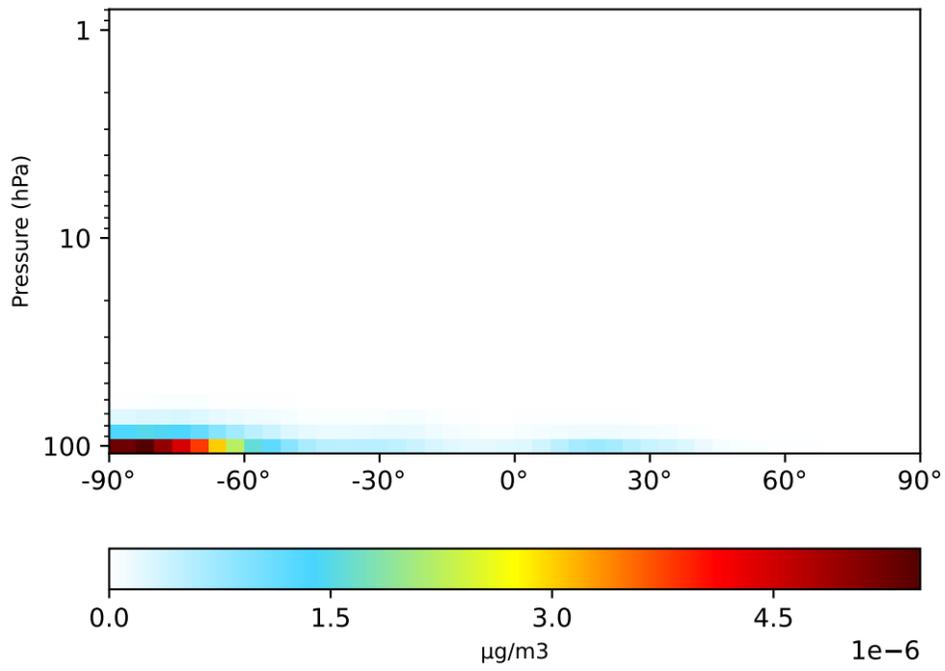


Ratio (1x1.25)  
Dev/Ref, Fixed Range

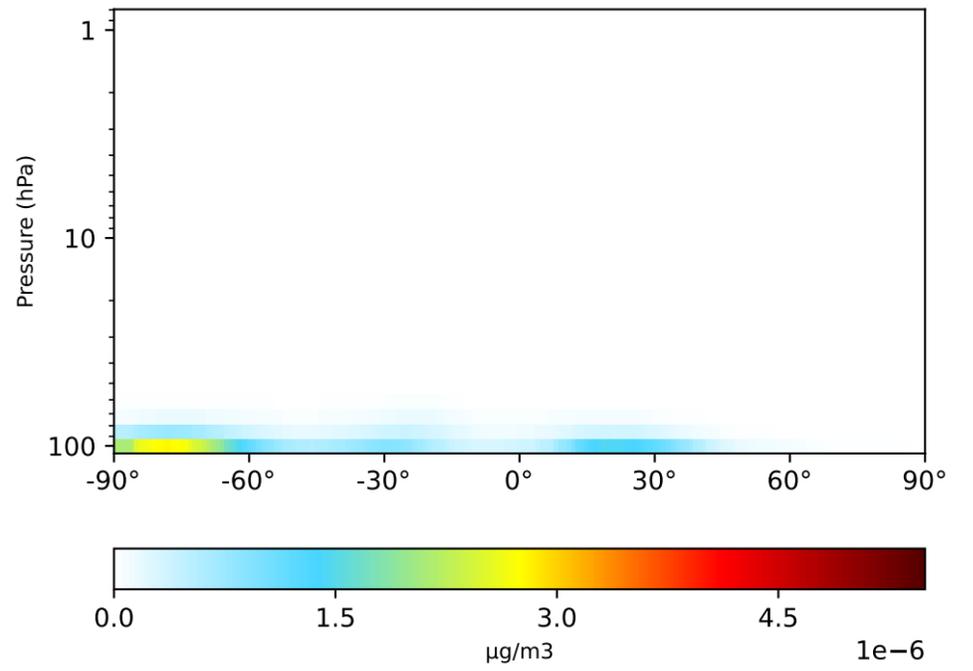


# SpeciesConcVV\_SALCCL, Zonal Mean (Oct2019)

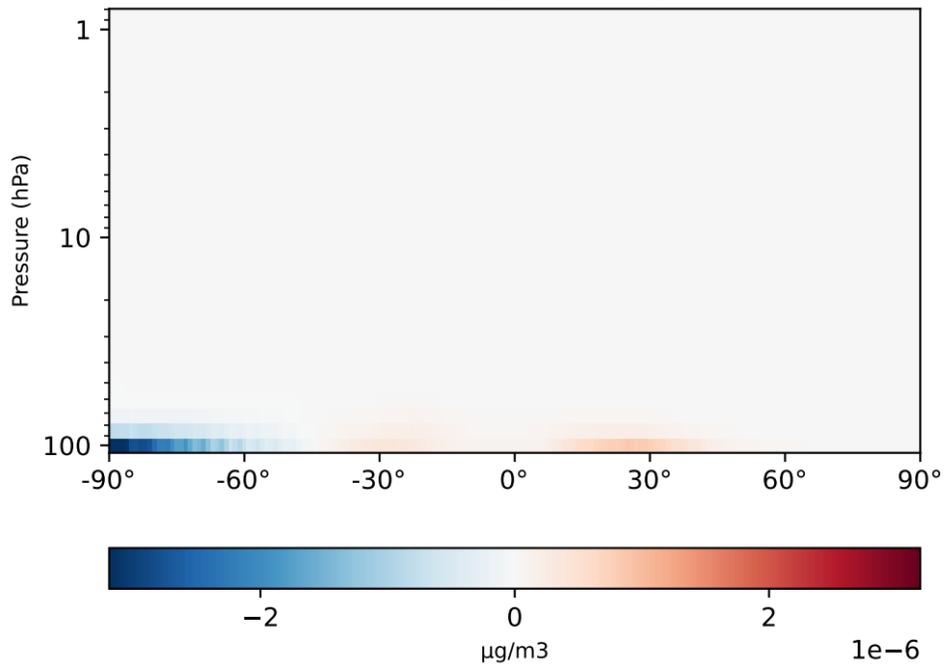
gcc.14.7.0-rc.0 (Ref)  
4.0x5.0



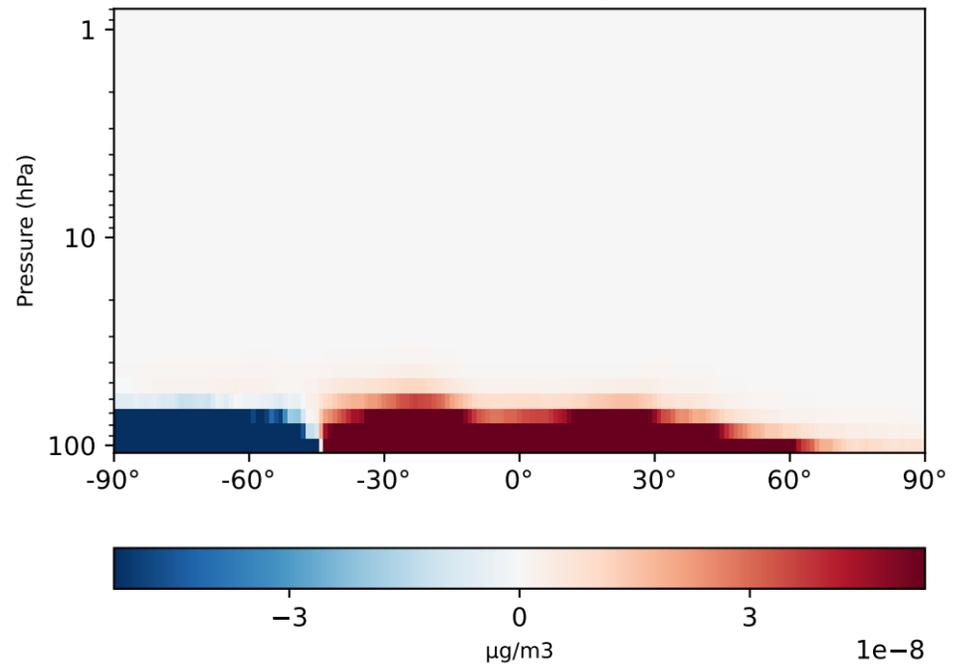
gchp.14.7.0-rc.0 (Dev)  
1x1.25 regridded from c24



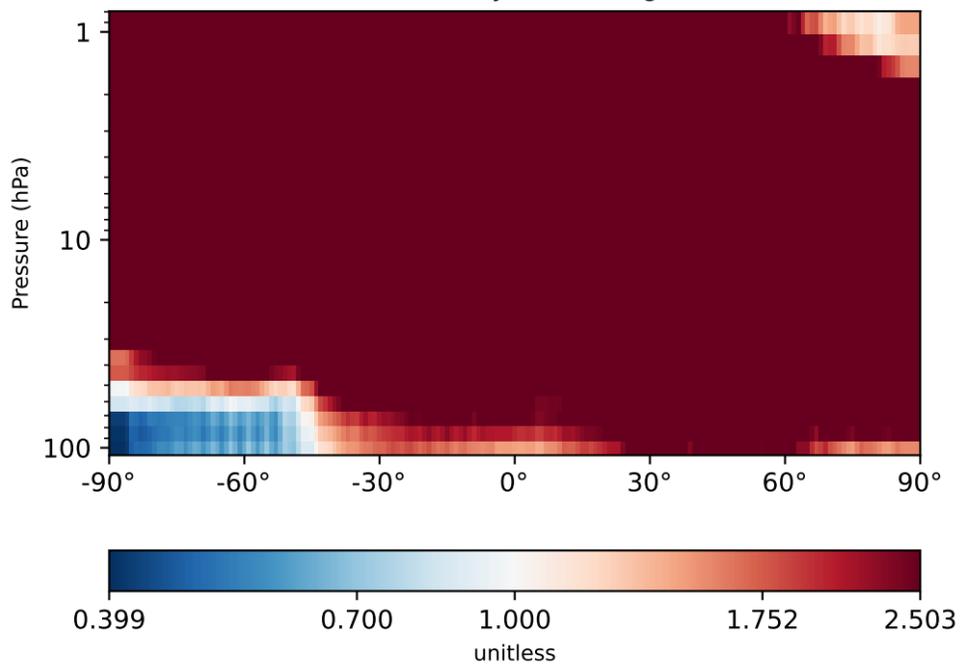
Difference (1x1.25)  
Dev - Ref, Dynamic Range



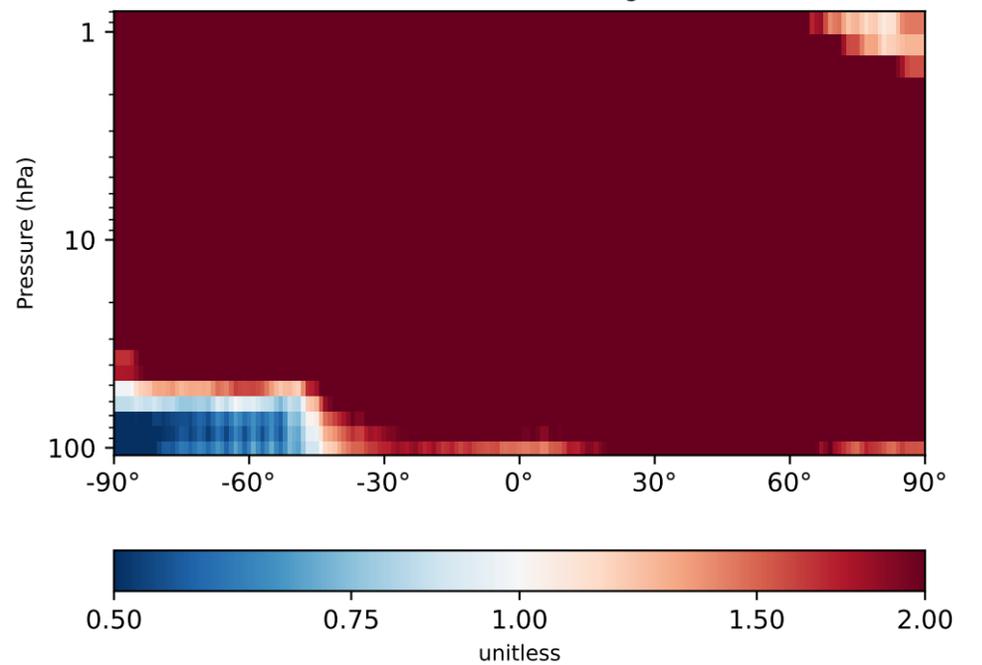
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

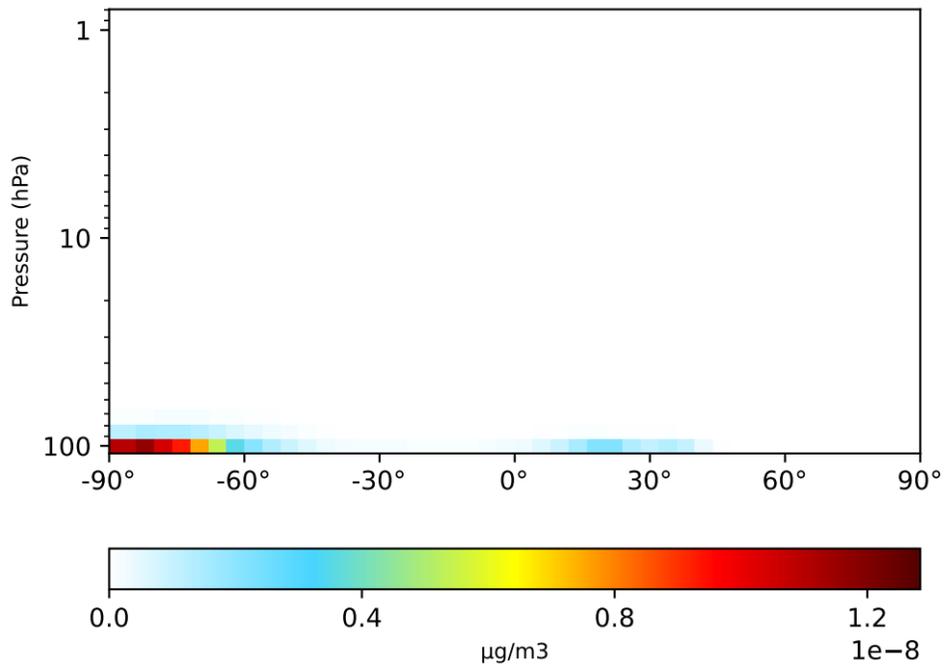


Ratio (1x1.25)  
Dev/Ref, Fixed Range

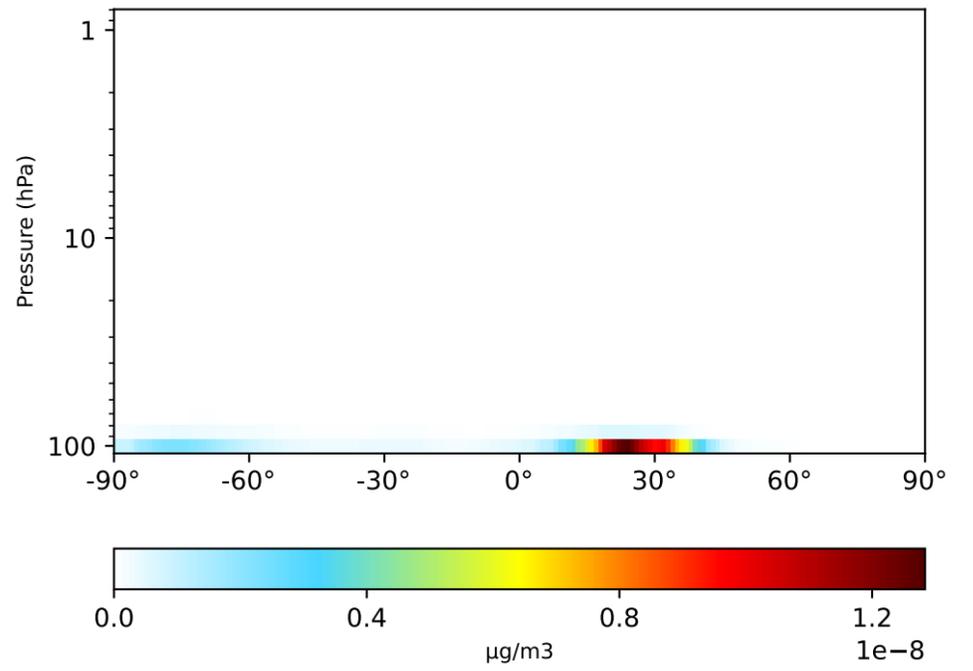


# SpeciesConcVV\_SO4s, Zonal Mean (Oct2019)

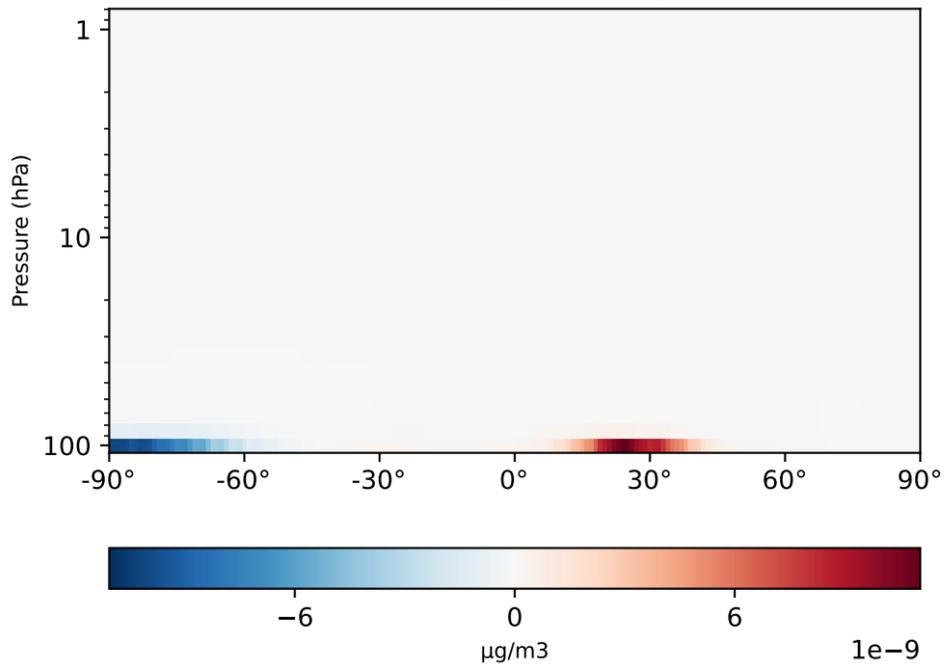
gcc.14.7.0-rc.0 (Ref)  
4.0x5.0



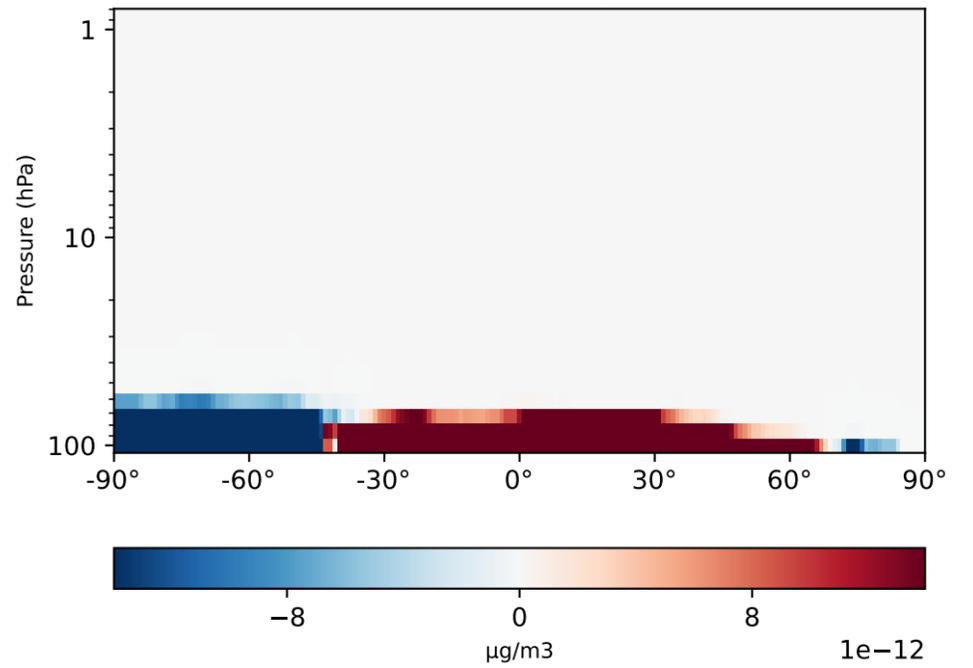
gchp.14.7.0-rc.0 (Dev)  
1x1.25 regridded from c24



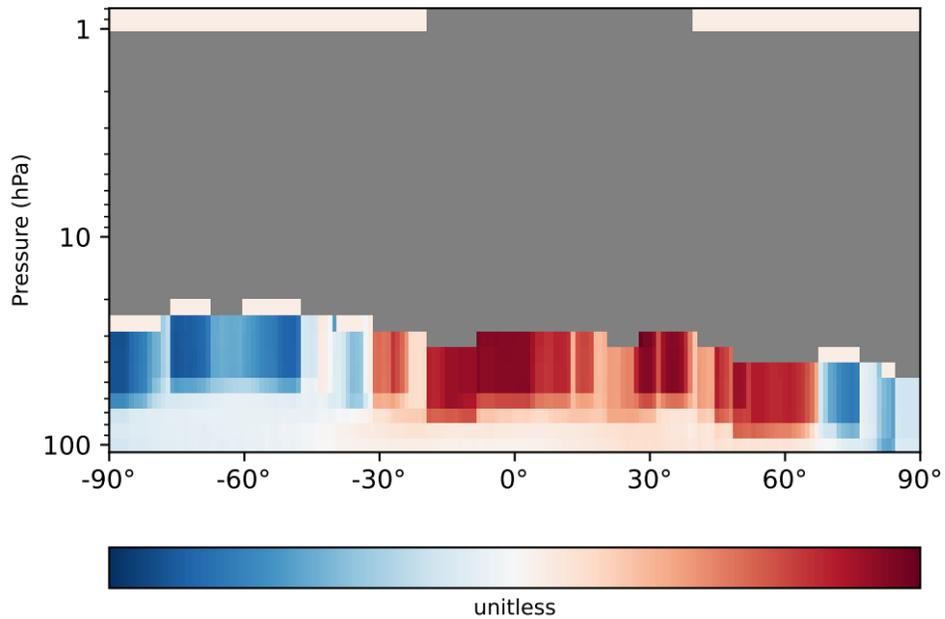
Difference (1x1.25)  
Dev - Ref, Dynamic Range



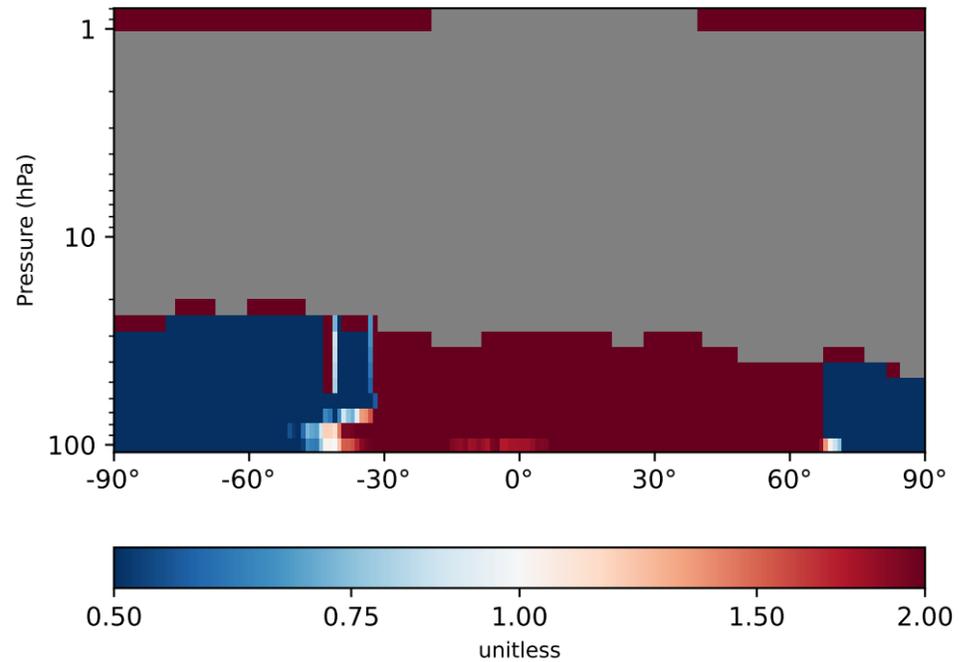
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

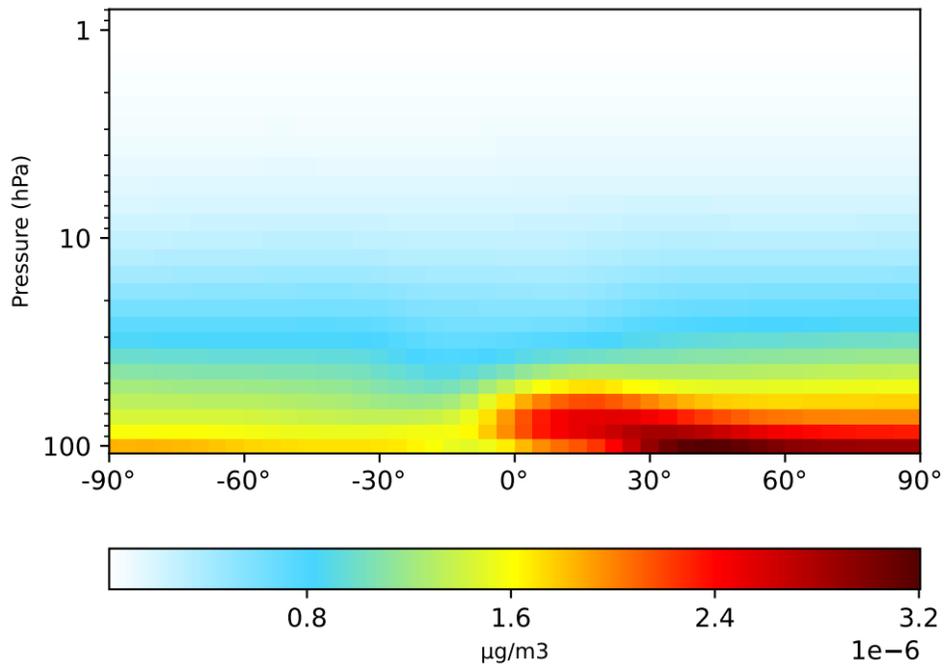


Ratio (1x1.25)  
Dev/Ref, Fixed Range

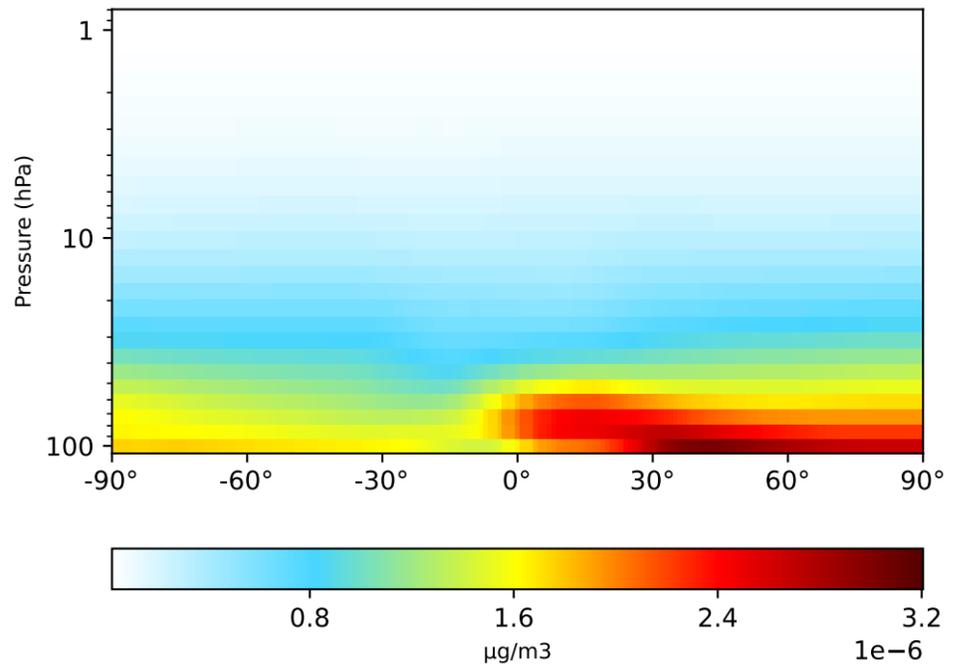


# SpeciesConcVV\_pFe, Zonal Mean (Oct2019)

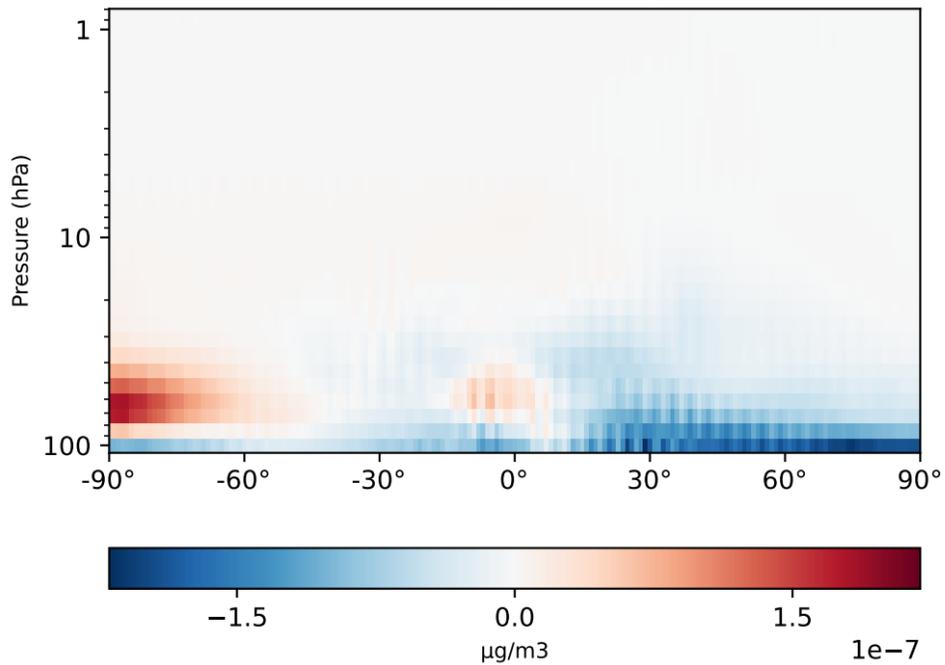
gcc.14.7.0-rc.0 (Ref)  
4.0x5.0



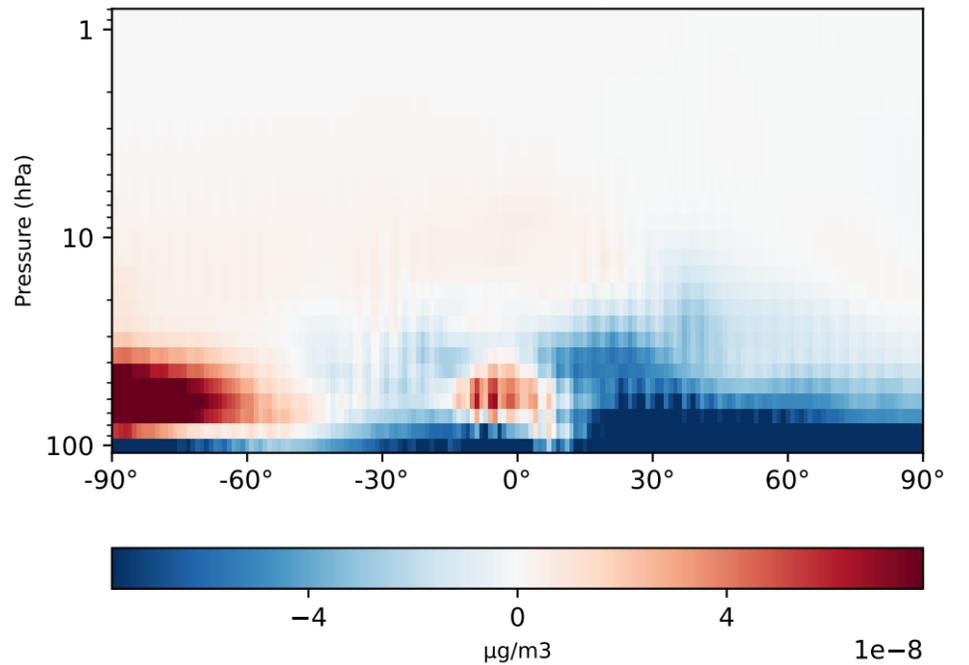
gchp.14.7.0-rc.0 (Dev)  
1x1.25 regridded from c24



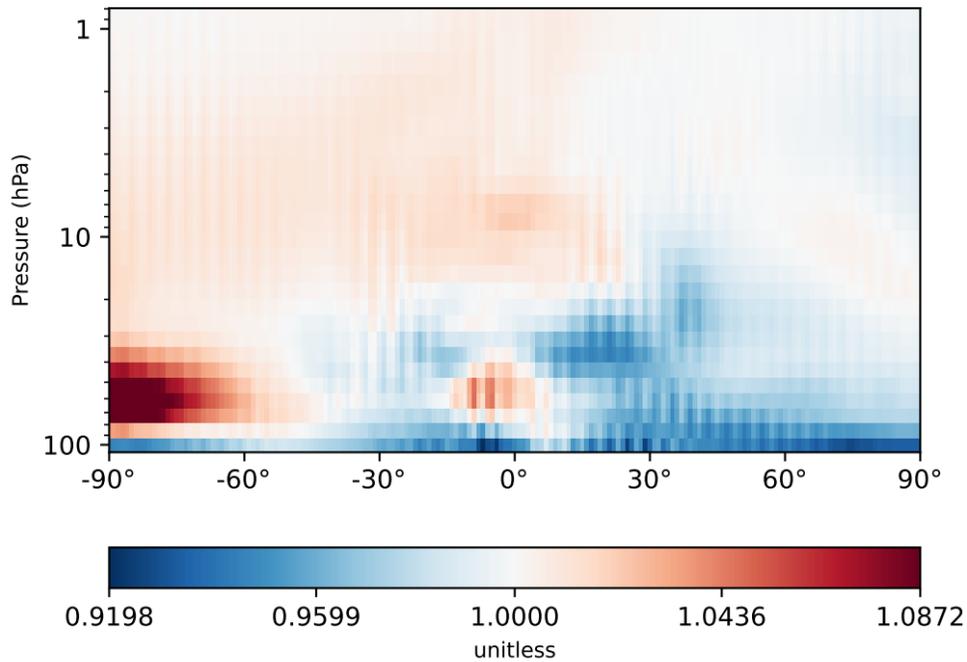
Difference (1x1.25)  
Dev - Ref, Dynamic Range



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



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



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

