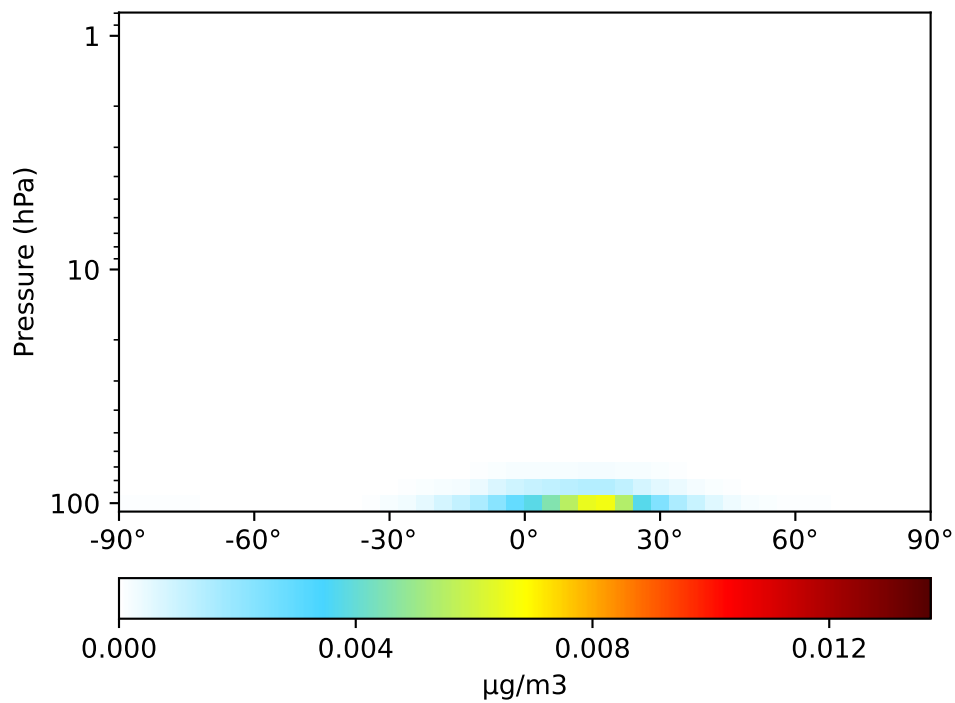
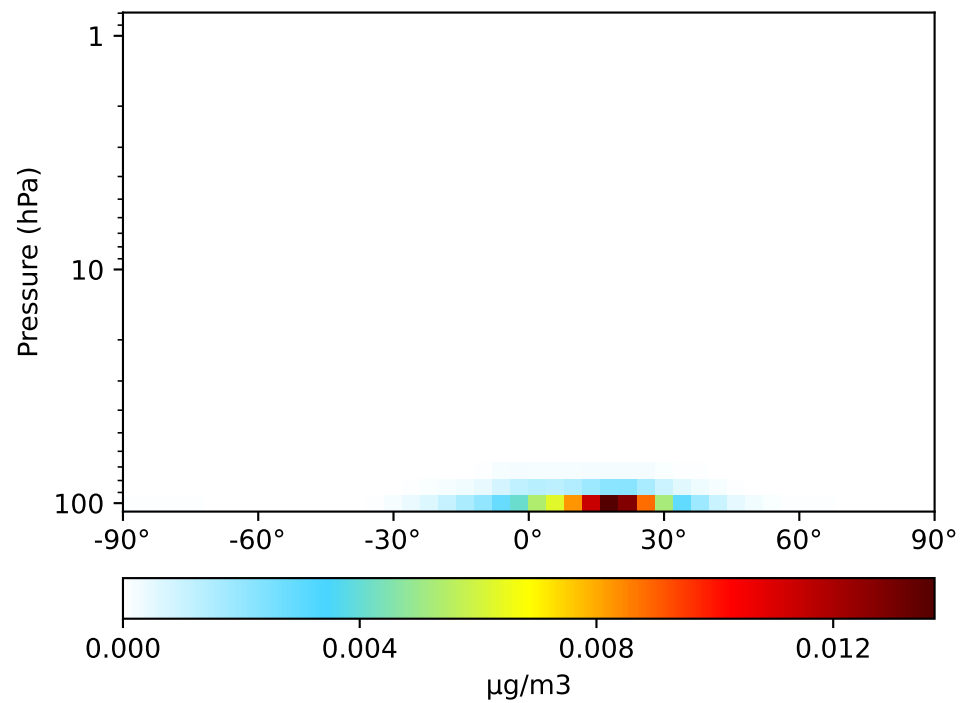


# SpeciesConcVV\_DST1, Zonal Mean

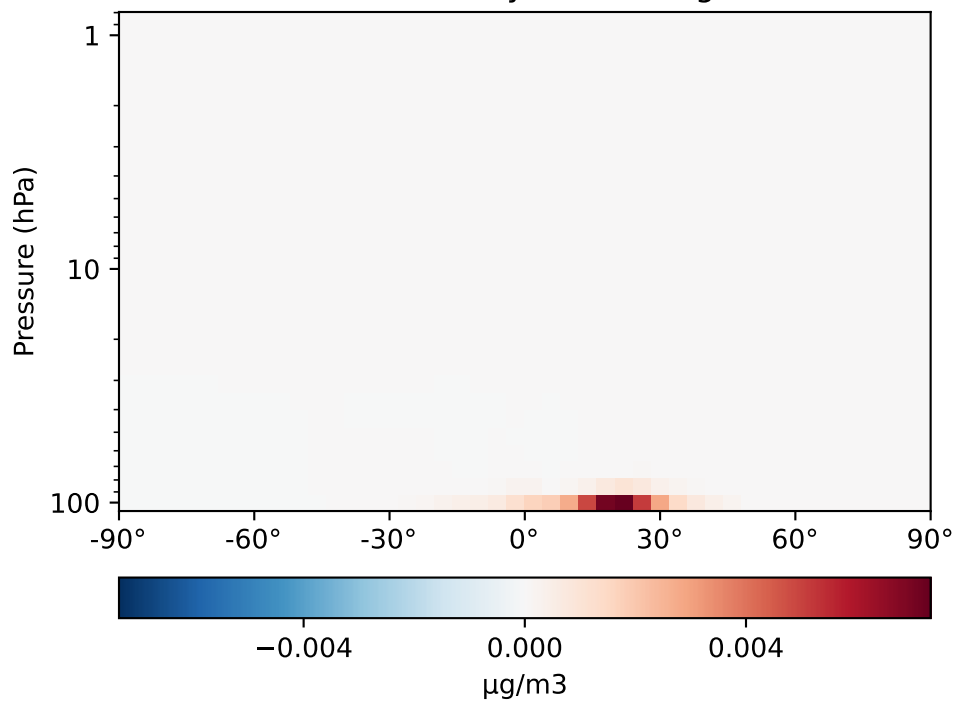
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



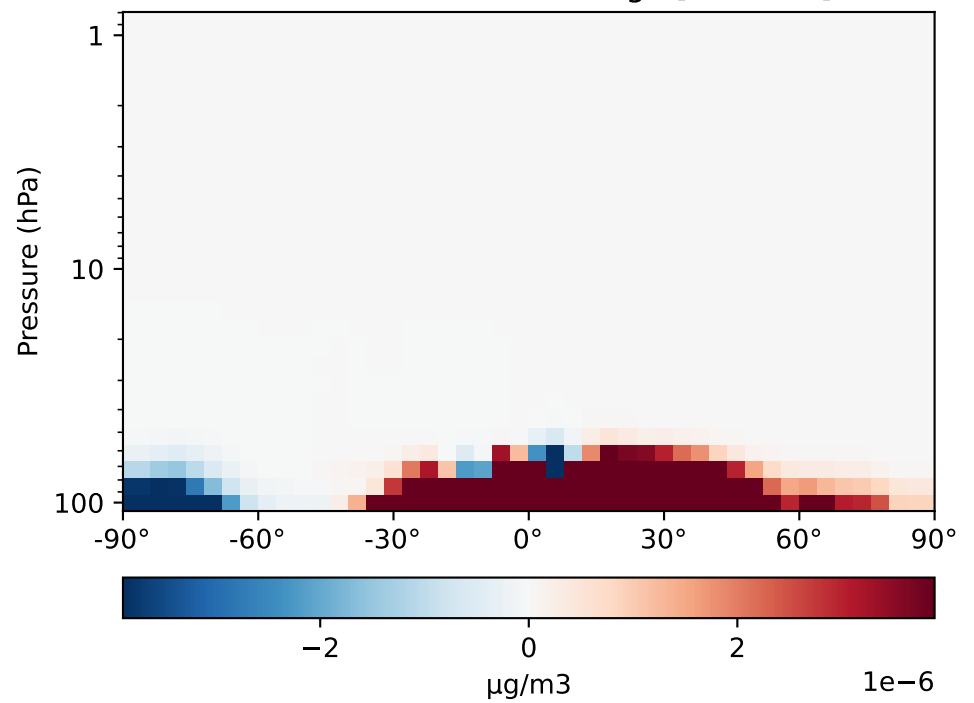
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



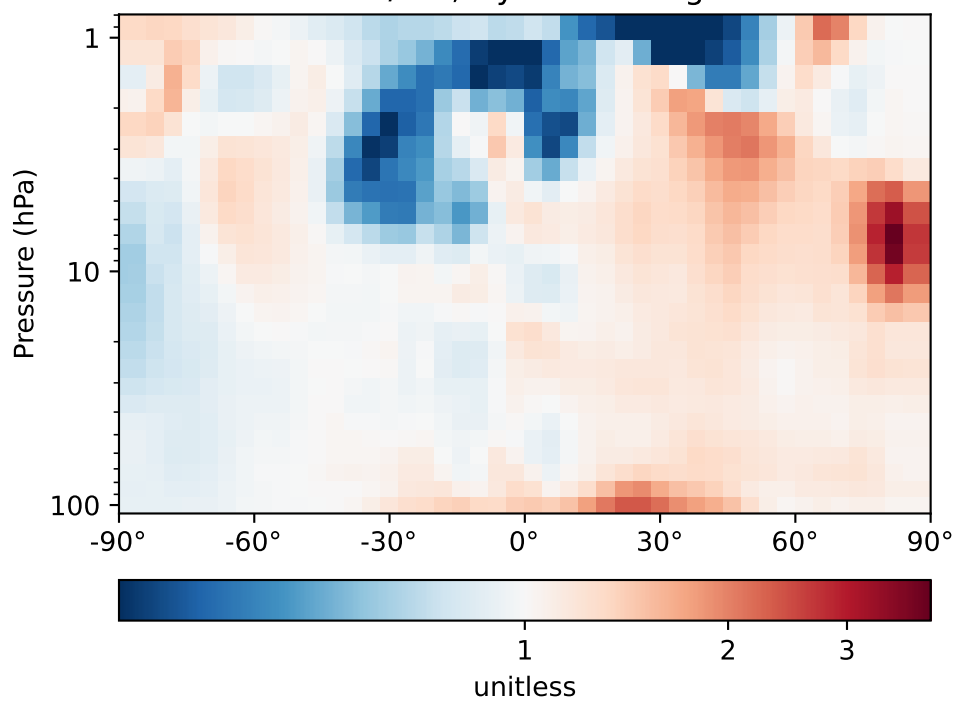
Difference  
Dev - Ref, Dynamic Range



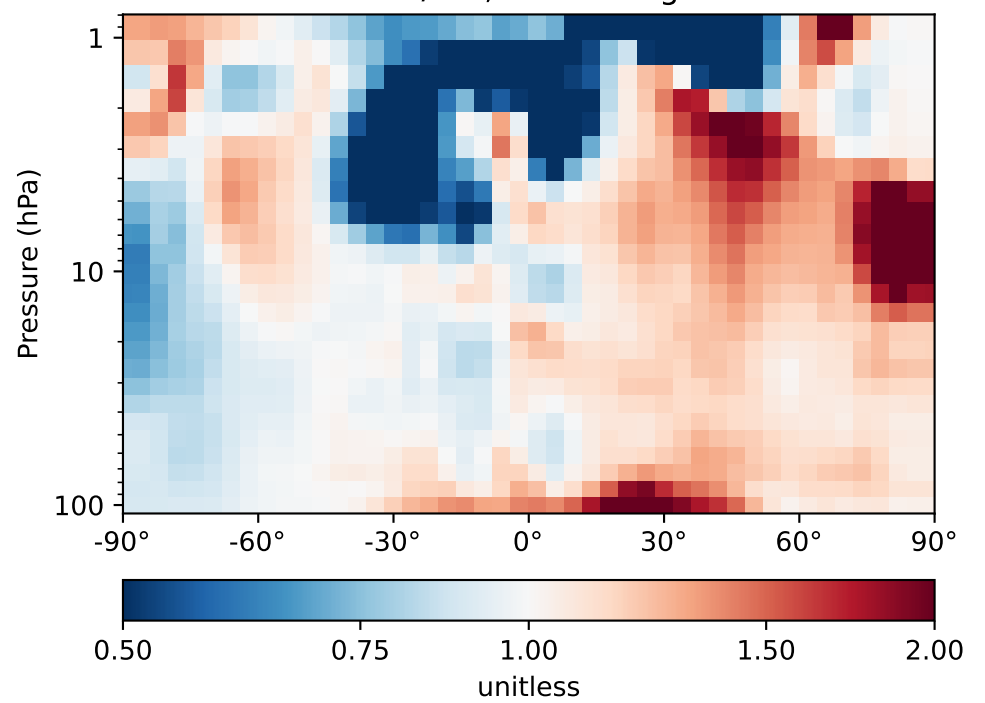
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

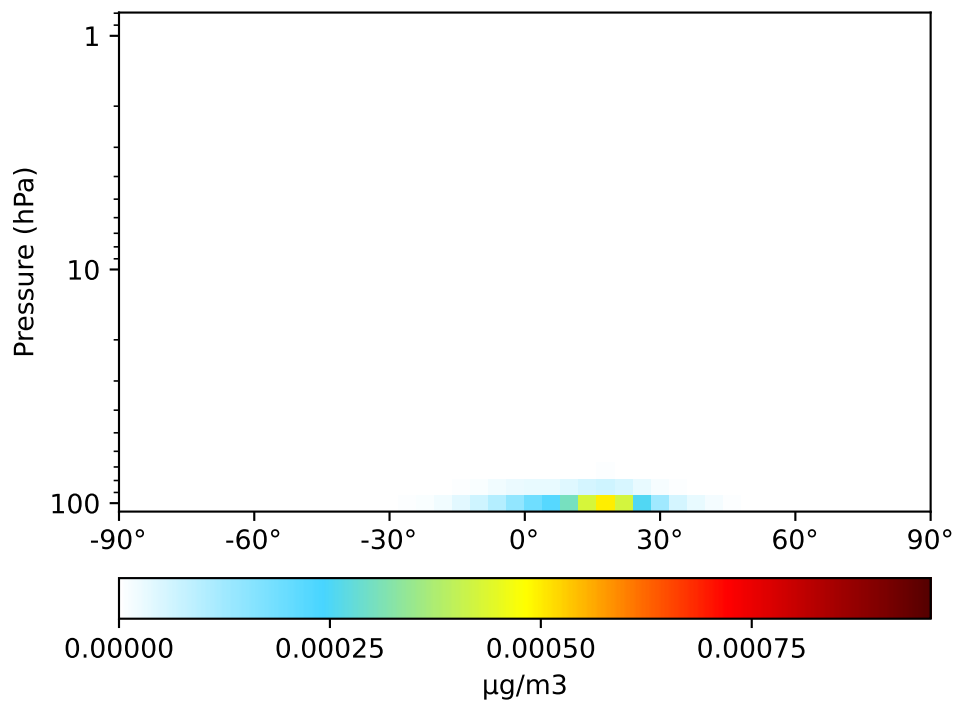


Ratio  
Dev/Ref, Fixed Range

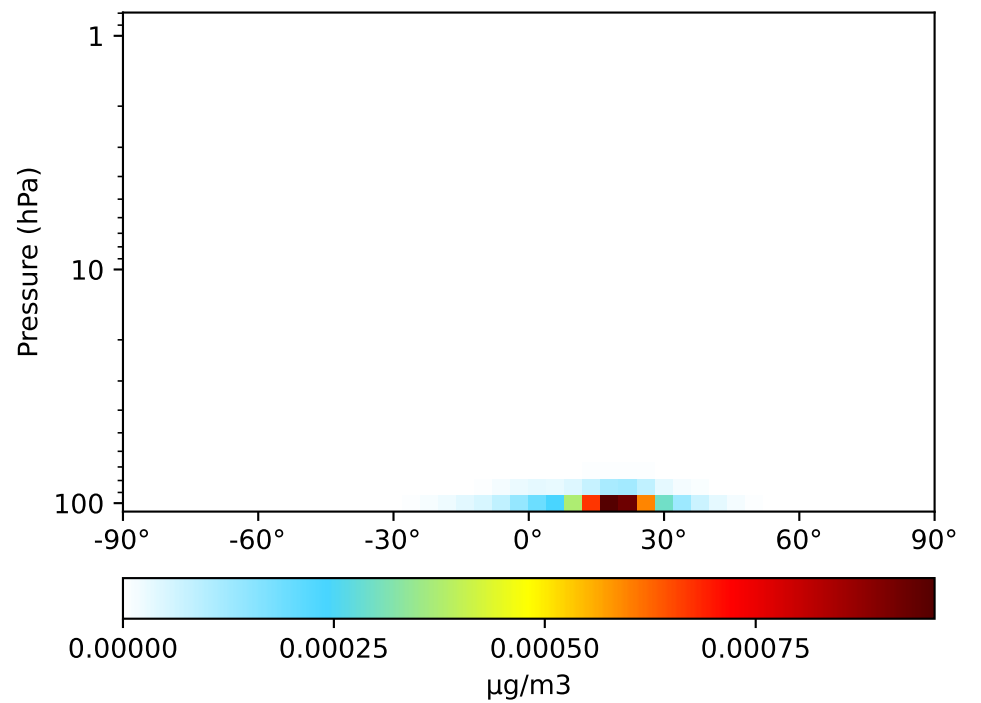


# SpeciesConcVV\_DST2, Zonal Mean

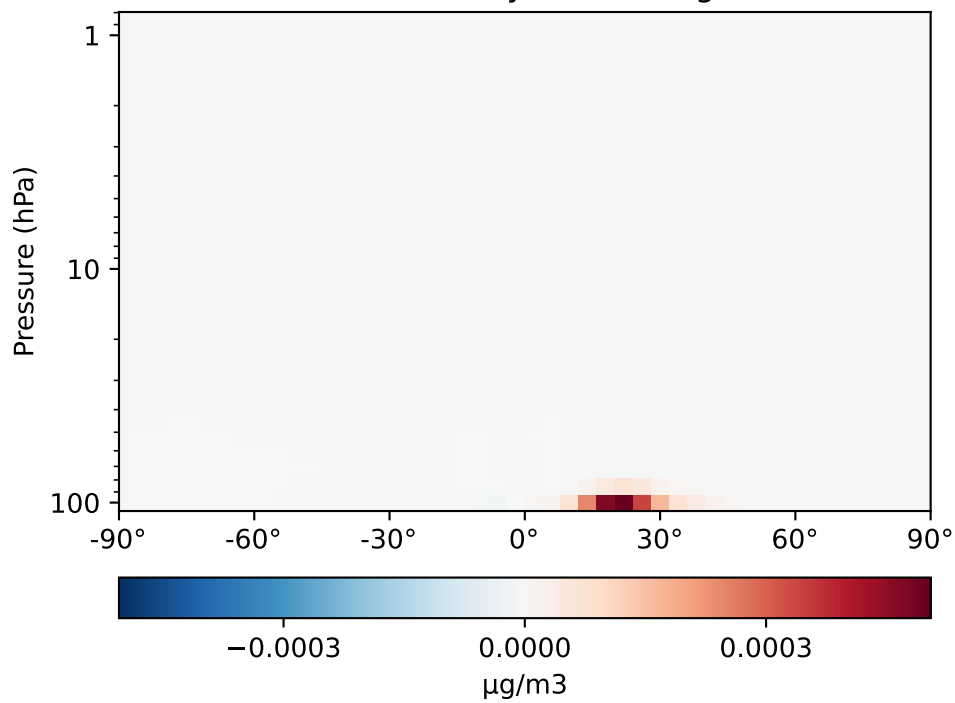
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



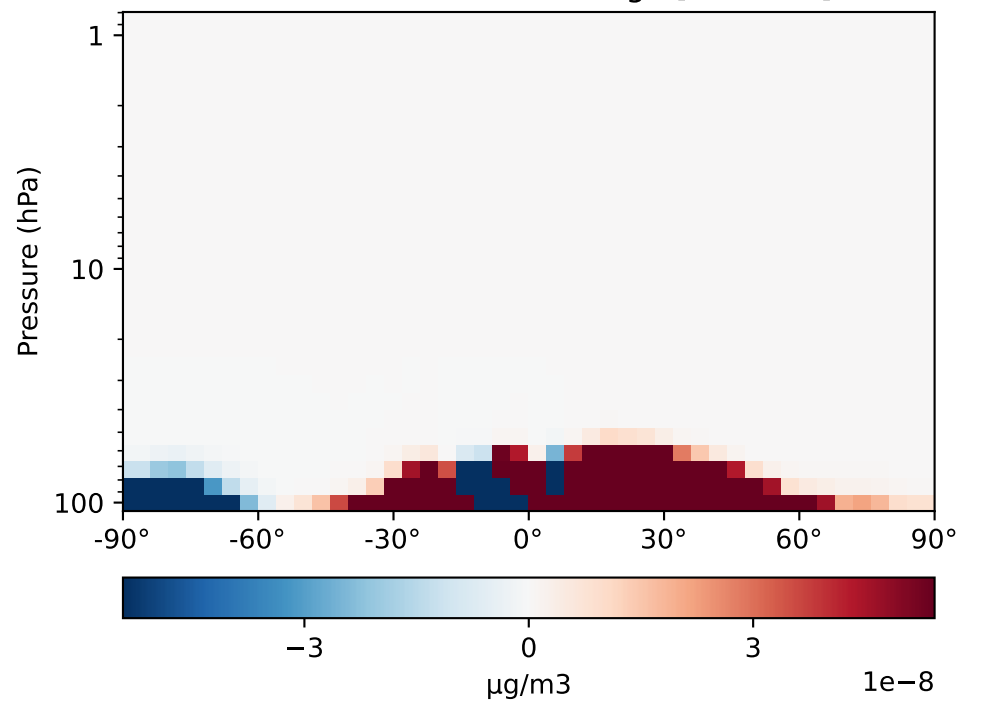
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



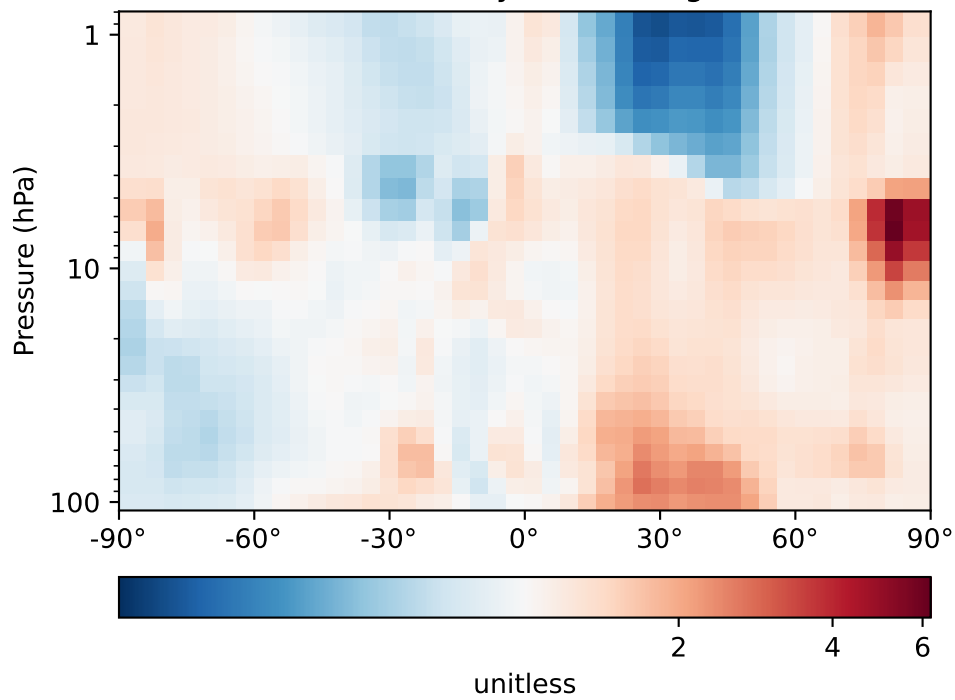
Difference  
Dev - Ref, Dynamic Range



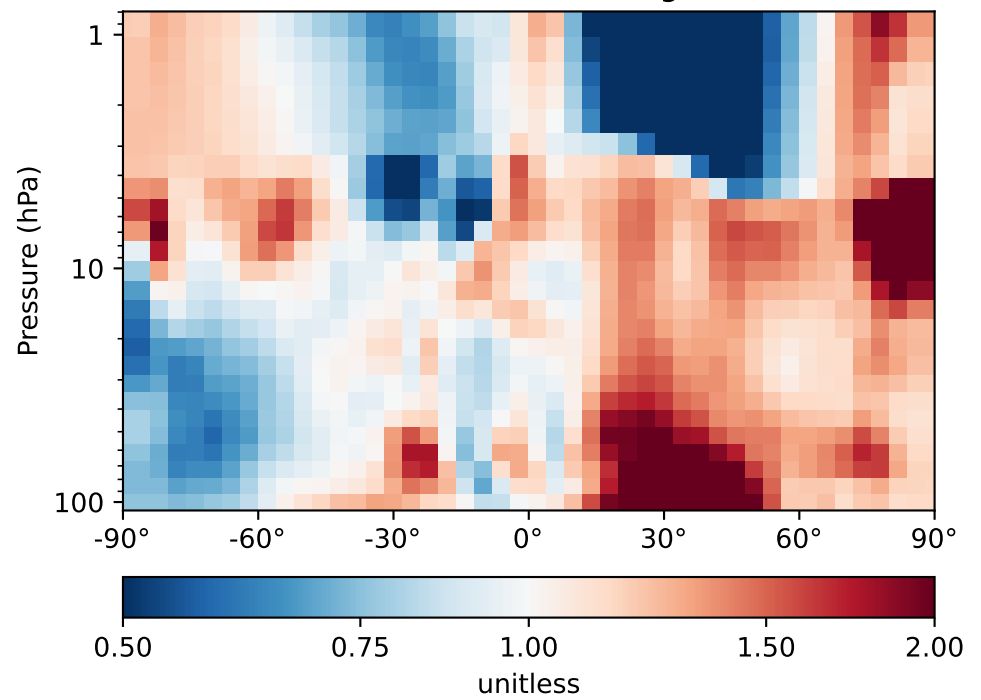
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

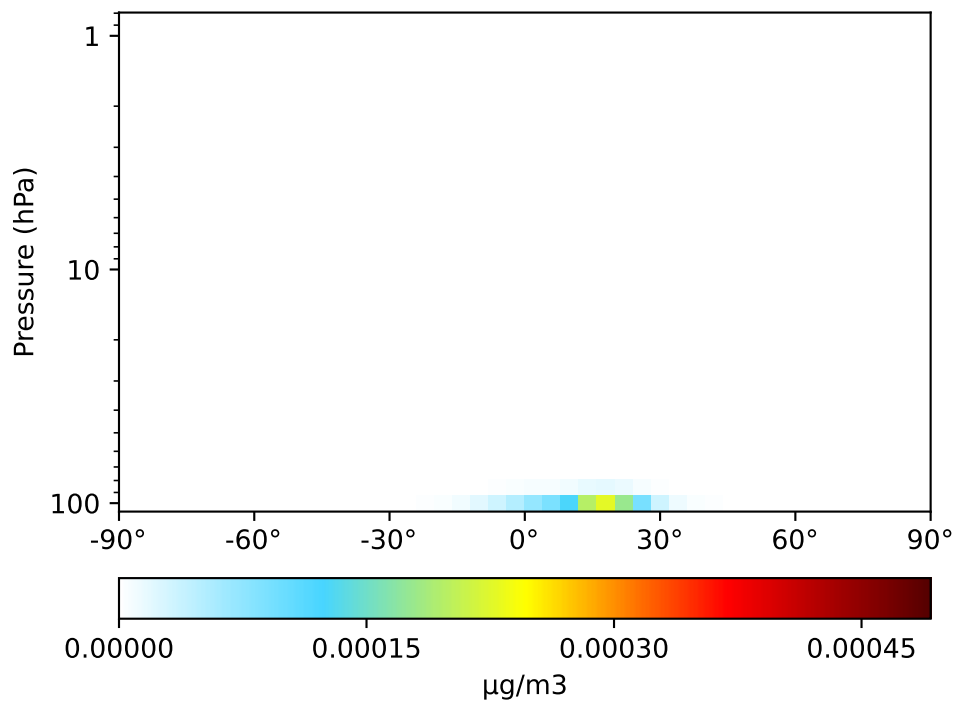


Ratio  
Dev/Ref, Fixed Range

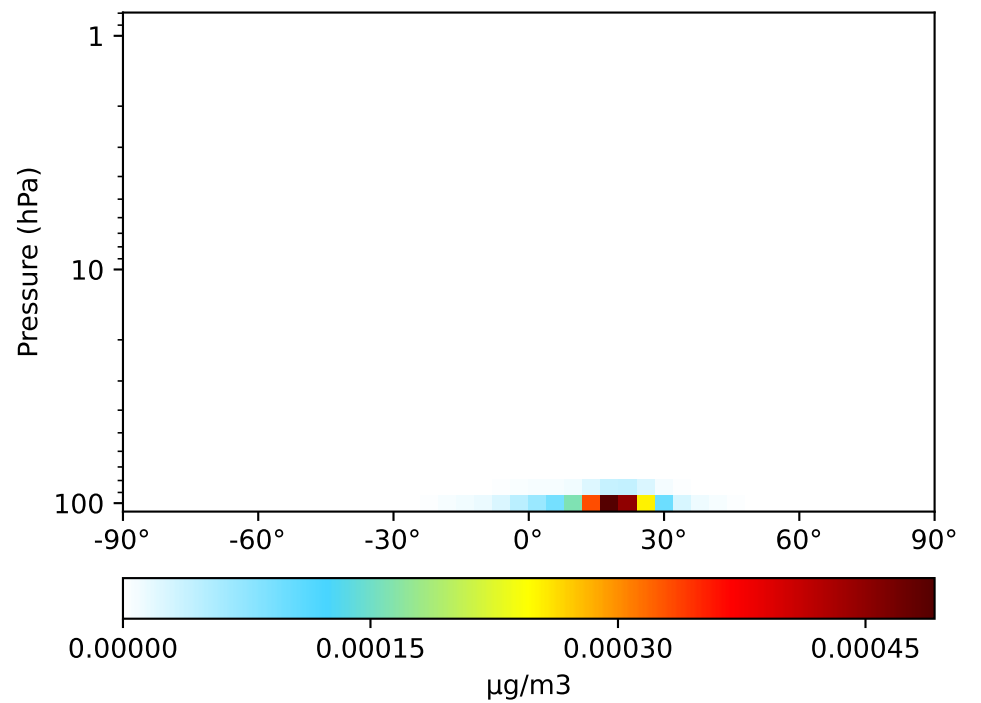


# SpeciesConcVV\_DST3, Zonal Mean

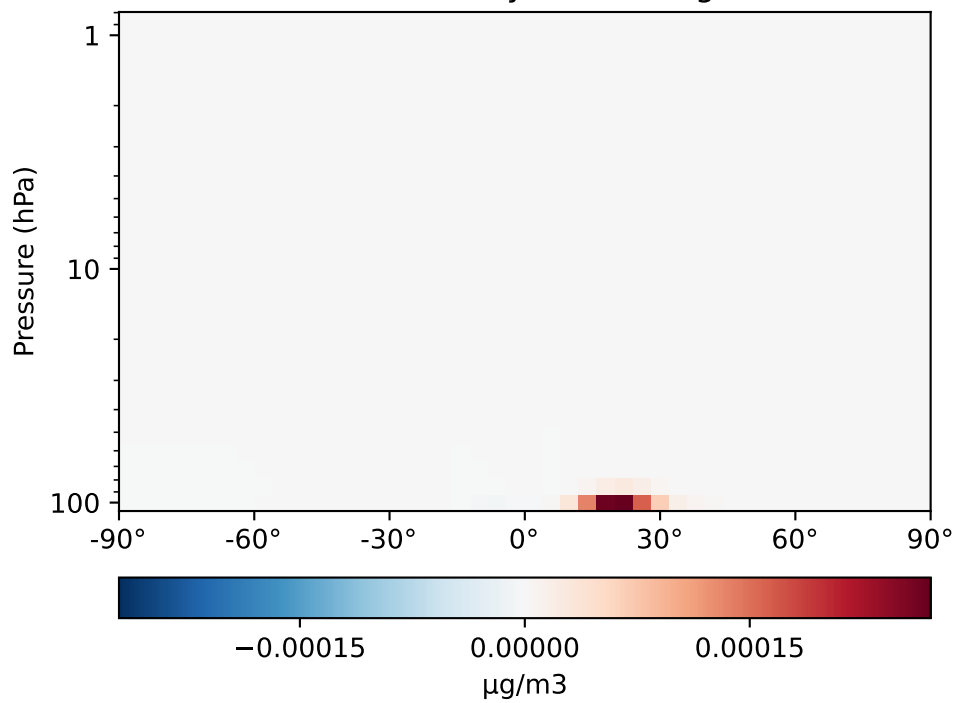
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



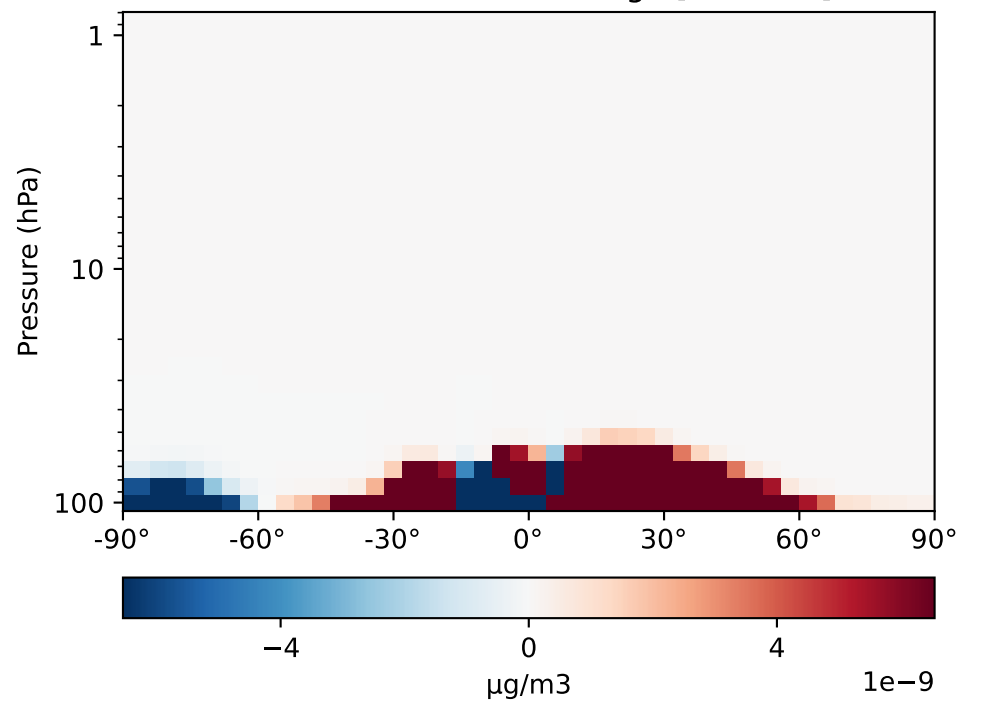
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



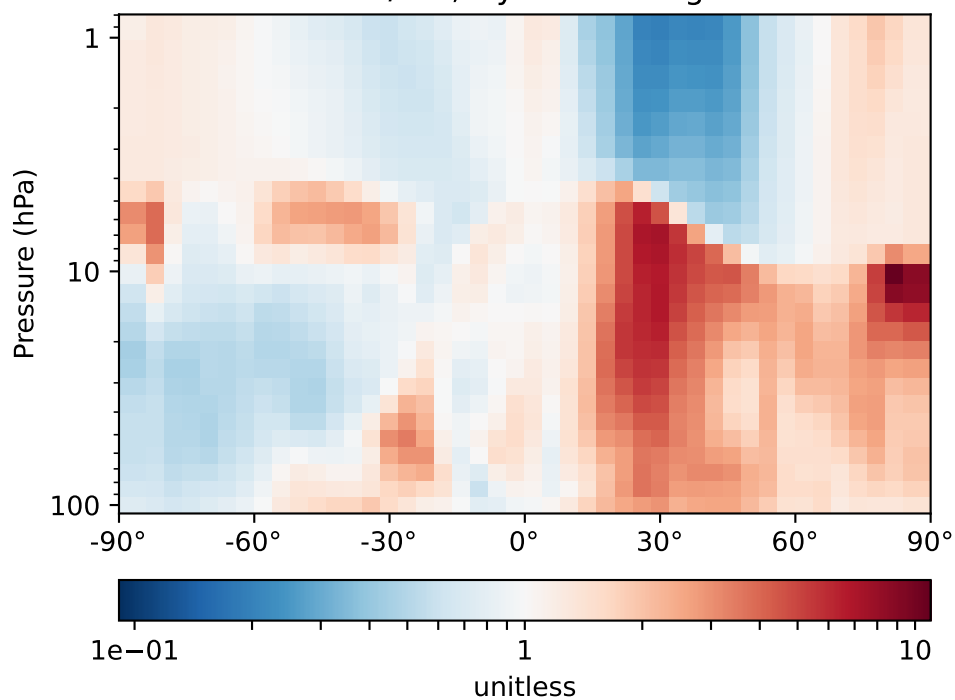
Difference  
Dev - Ref, Dynamic Range



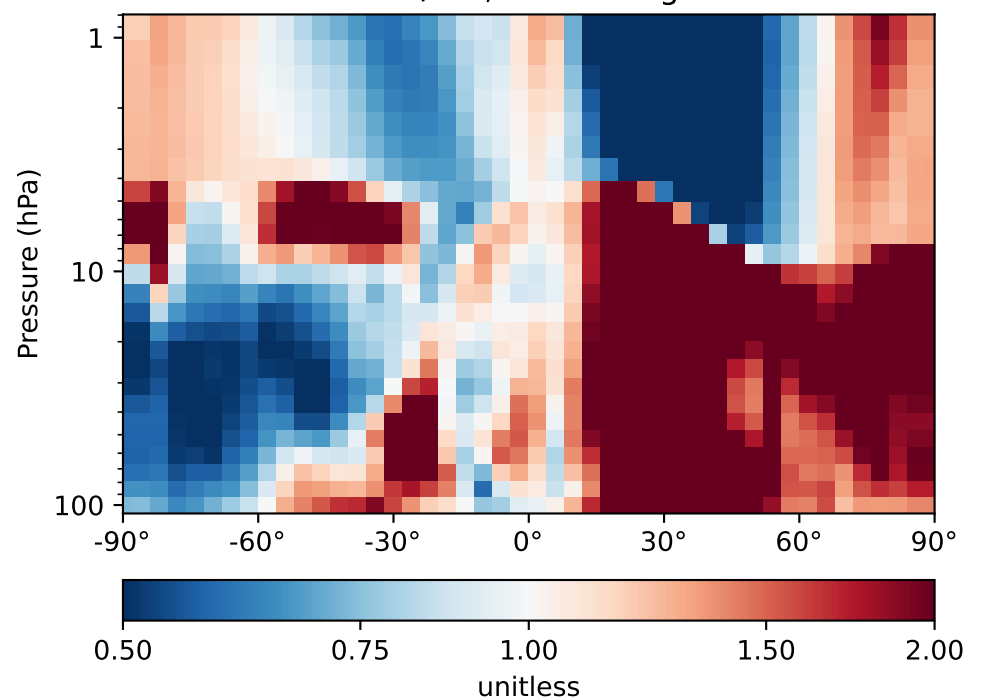
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

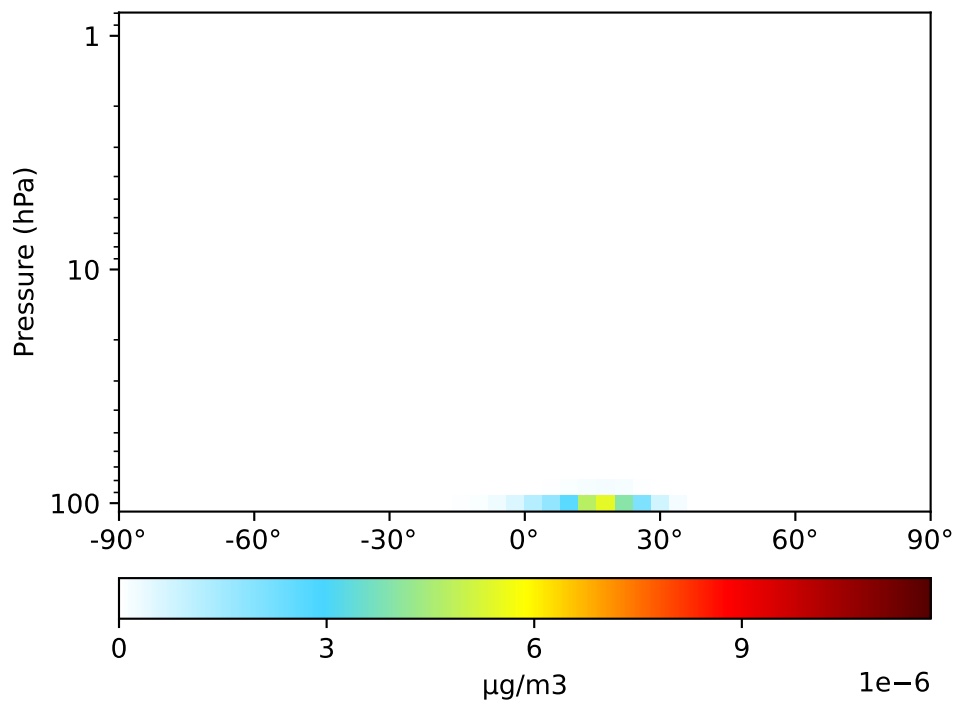


Ratio  
Dev/Ref, Fixed Range

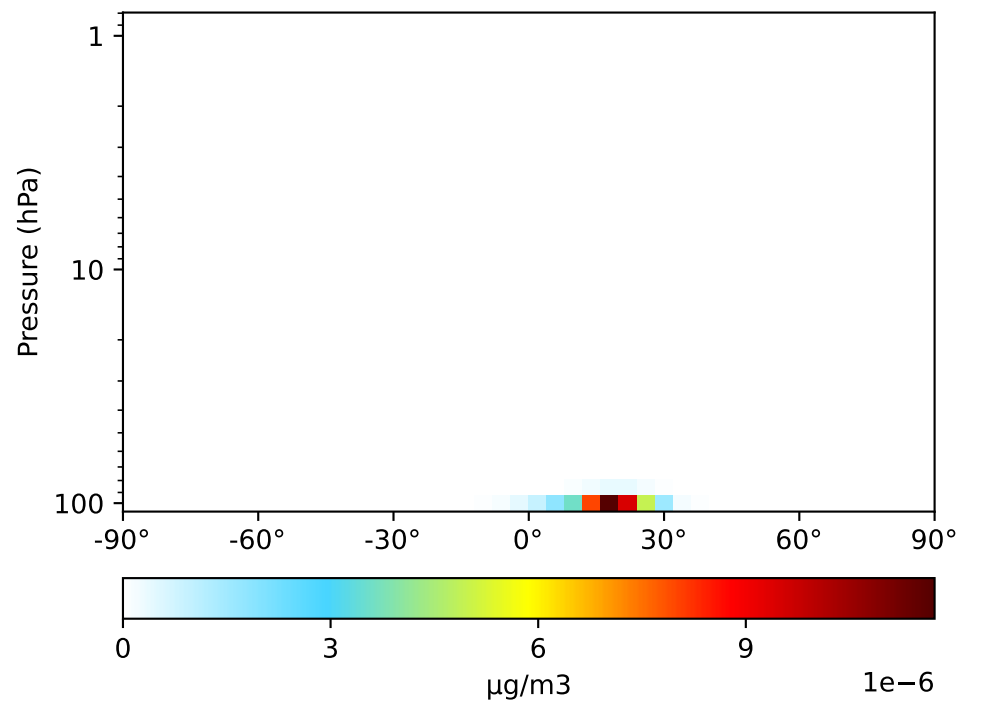


# SpeciesConcVV\_DST4, Zonal Mean

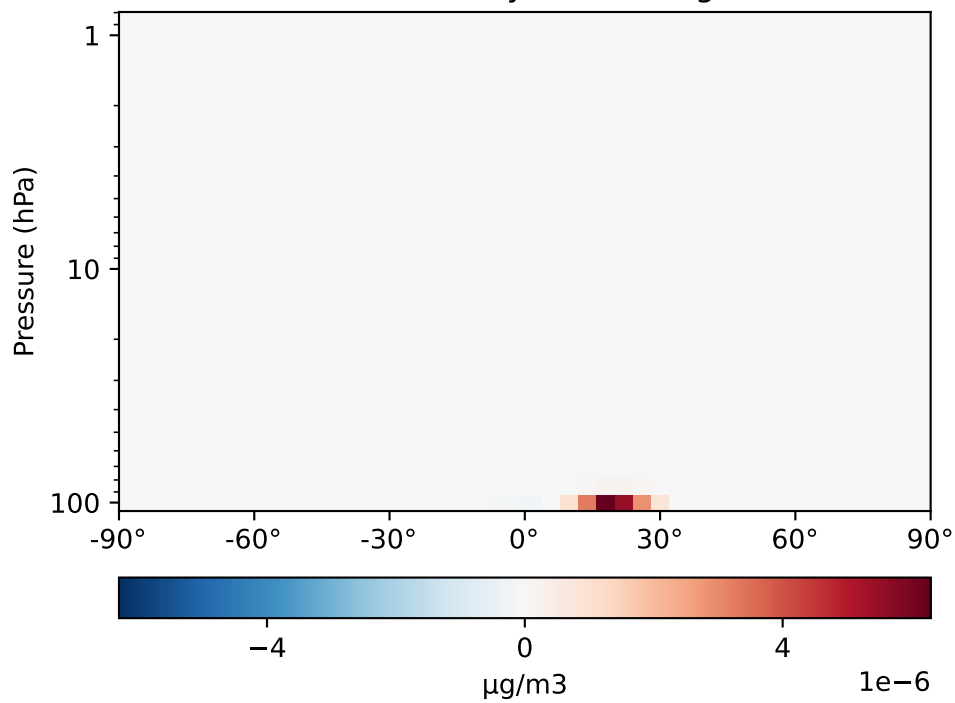
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



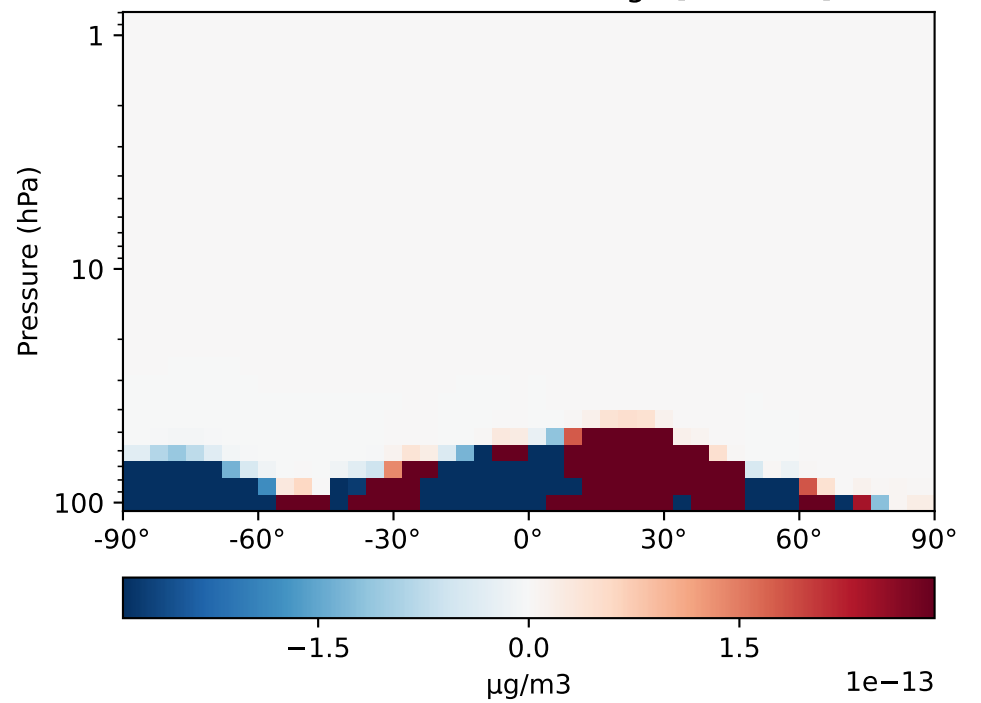
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



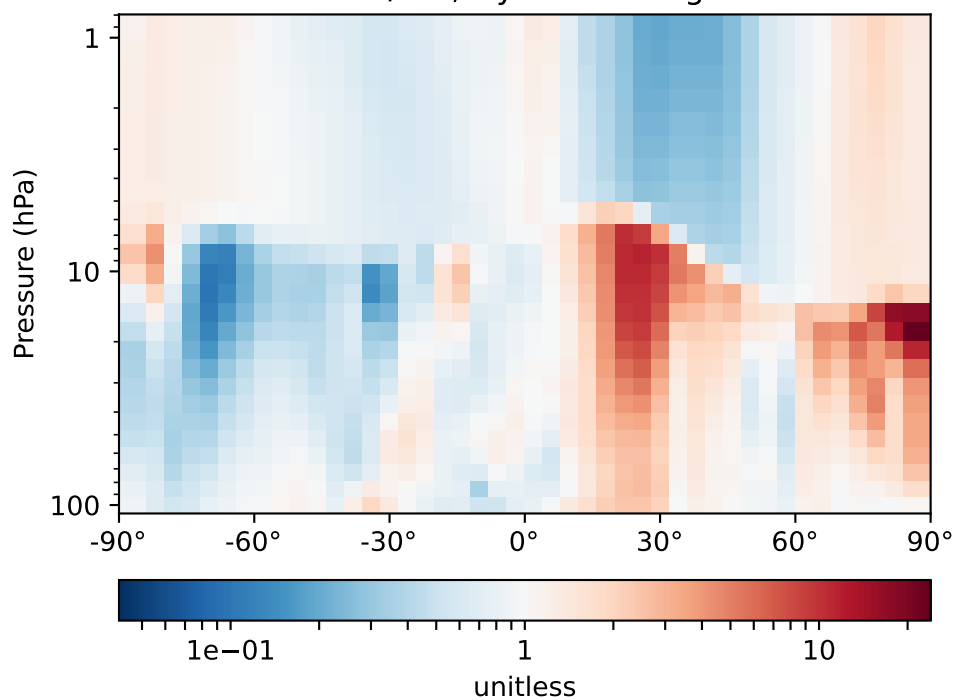
Difference  
Dev - Ref, Dynamic Range



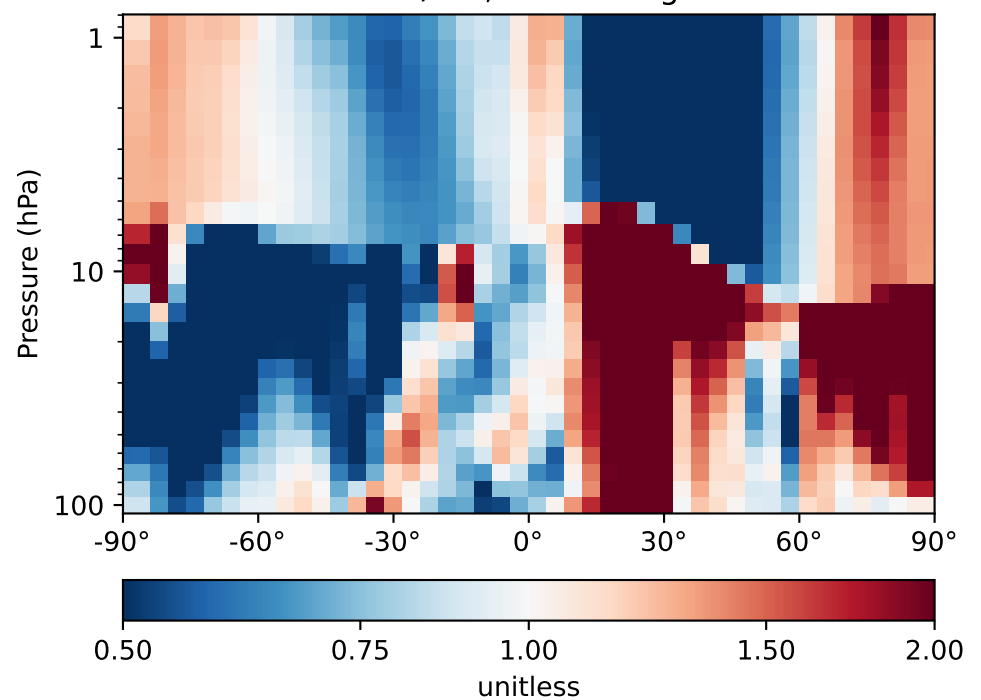
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

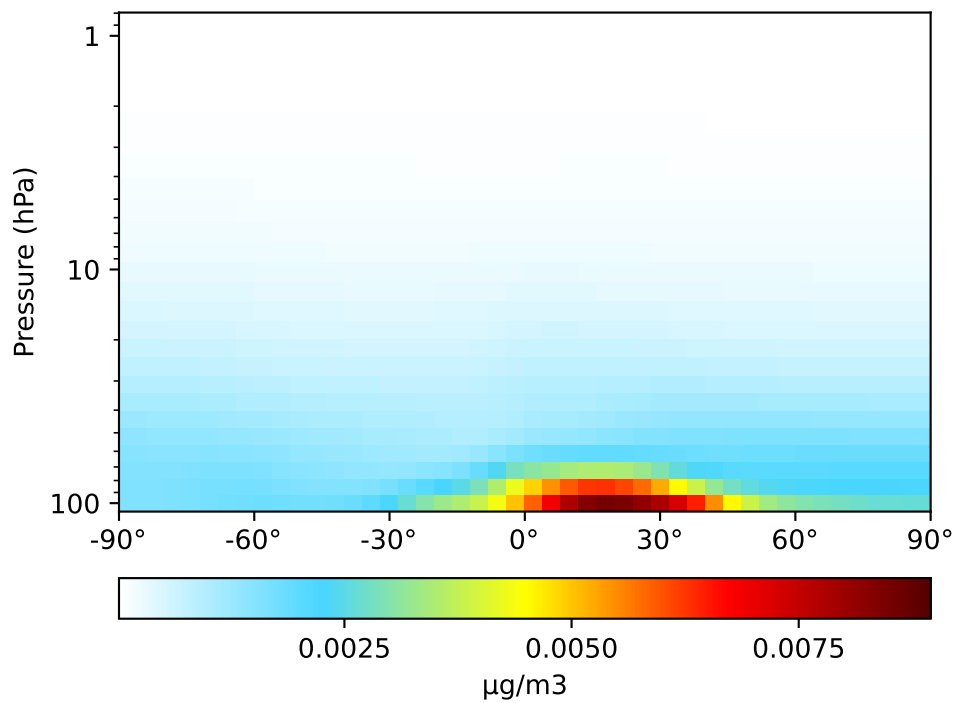


Ratio  
Dev/Ref, Fixed Range

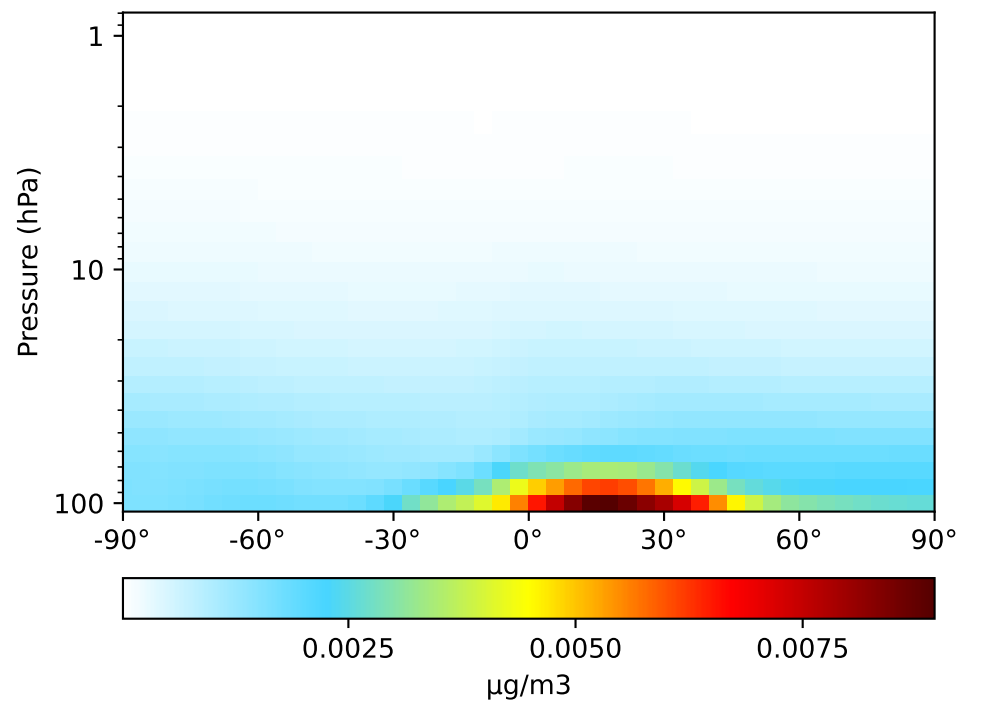


# SpeciesConcVV\_NH4, Zonal Mean

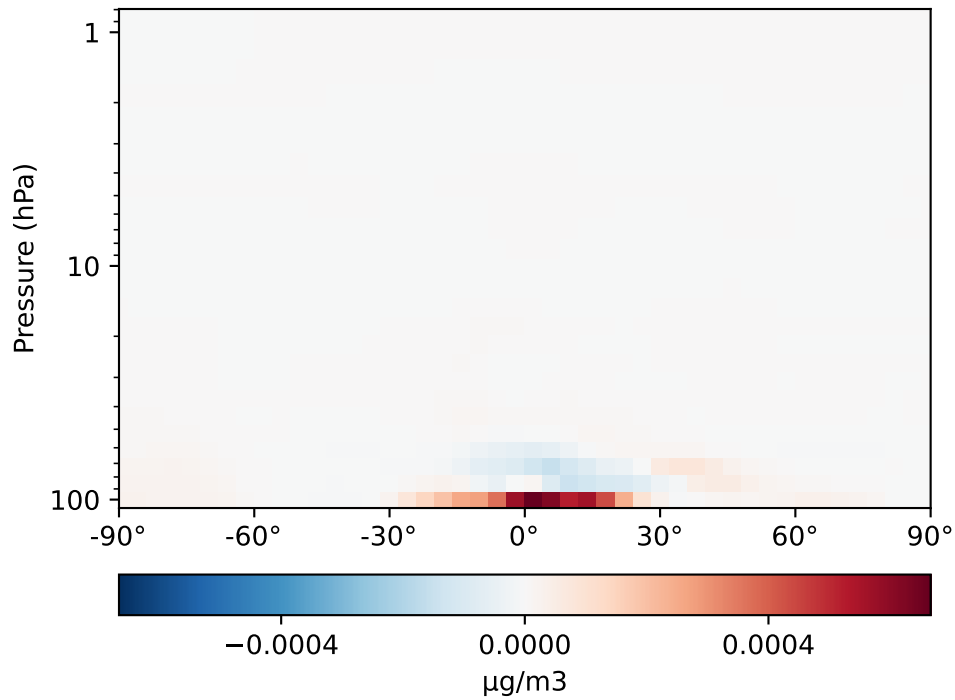
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



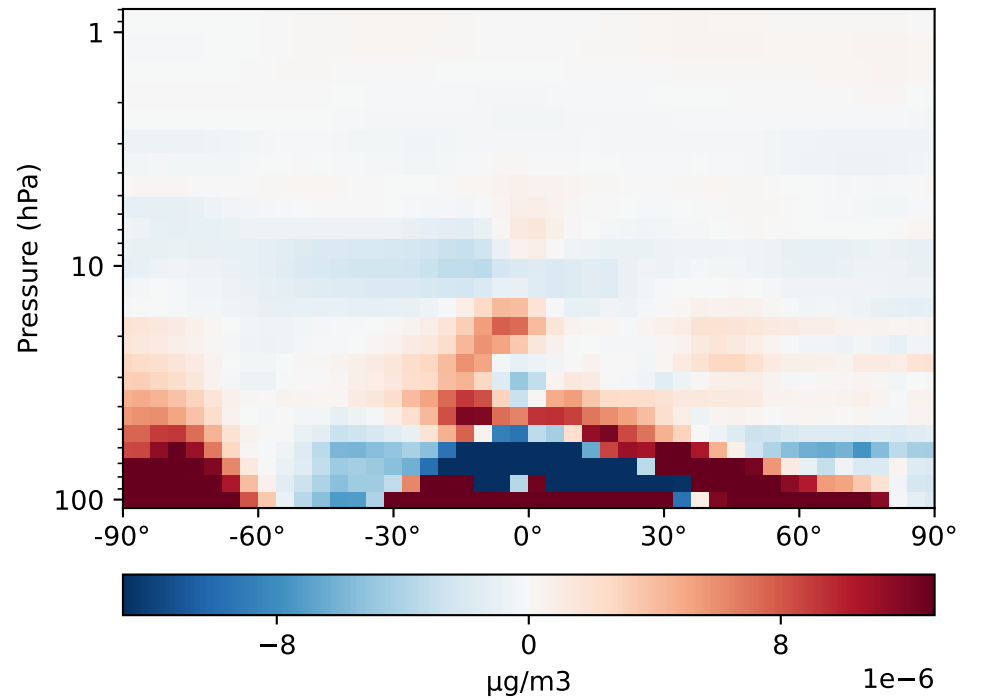
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



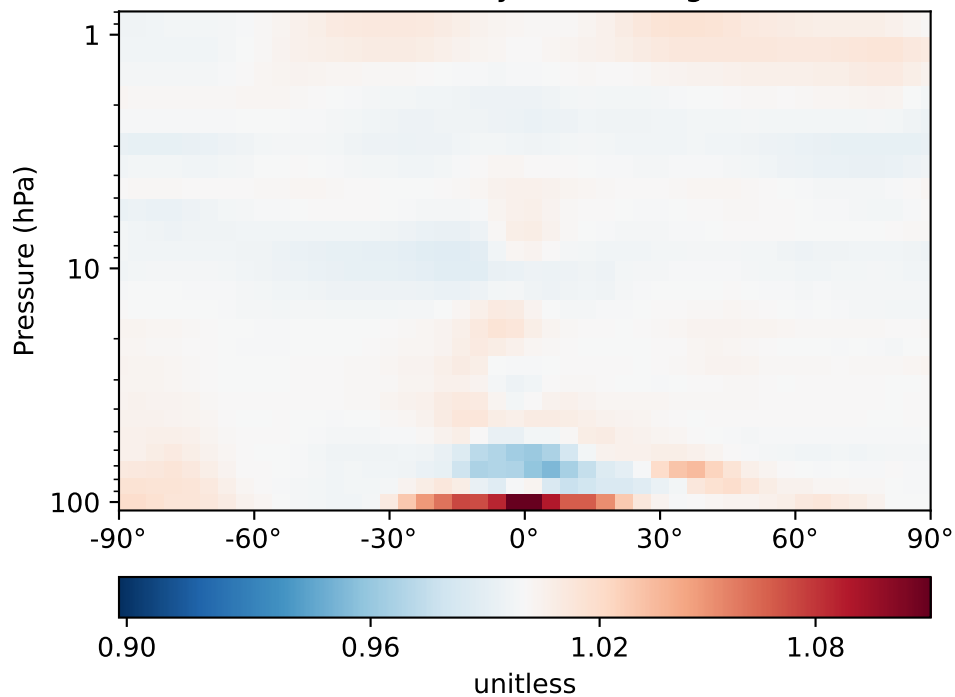
Difference  
Dev - Ref, Dynamic Range



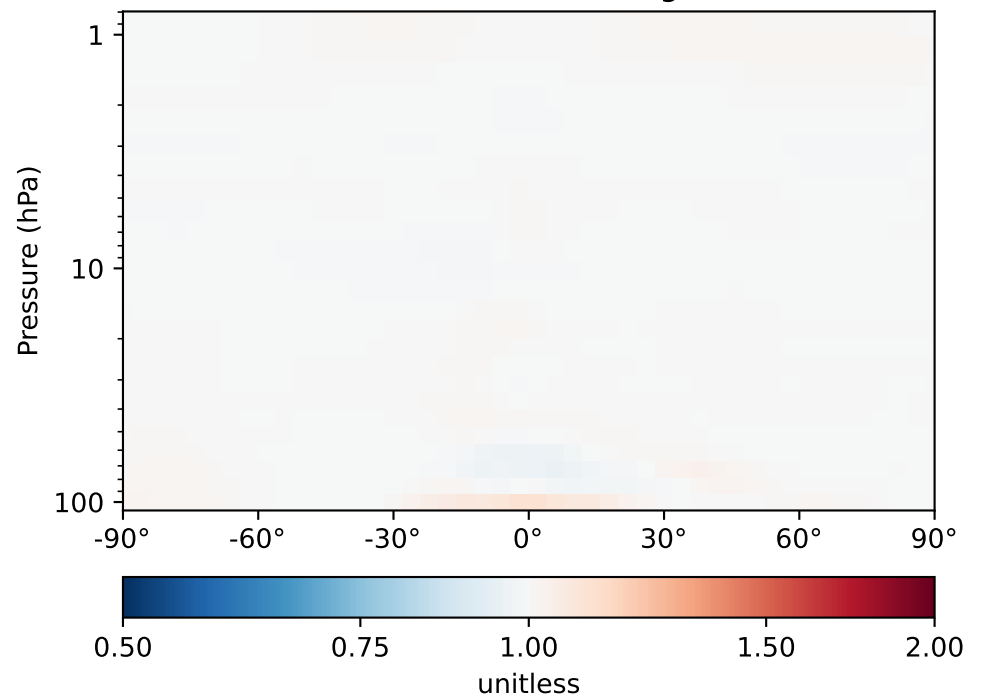
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

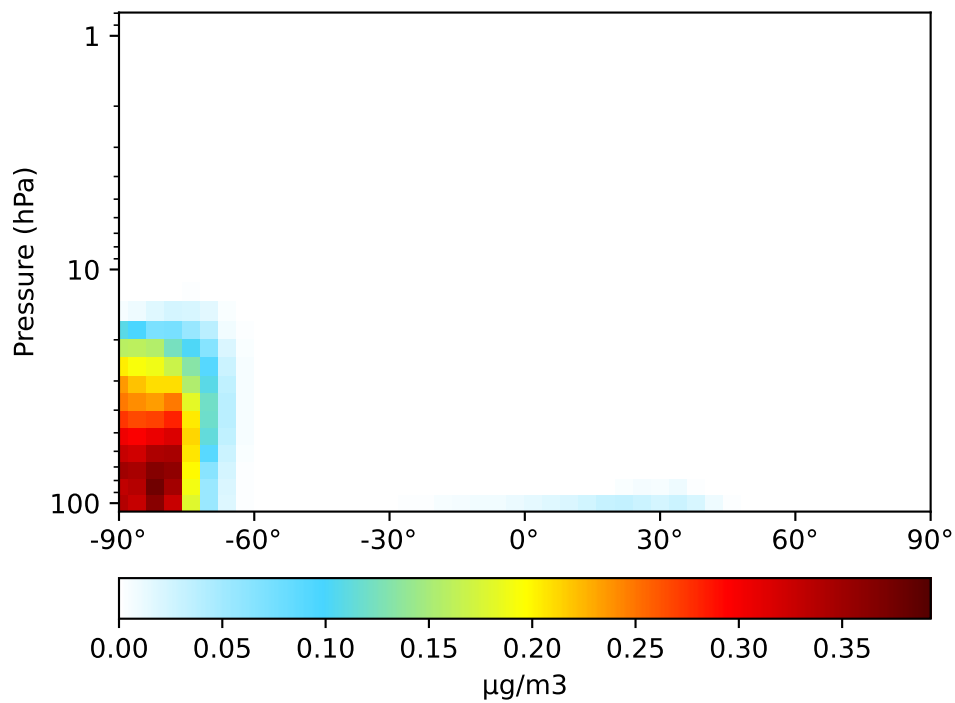


Ratio  
Dev/Ref, Fixed Range

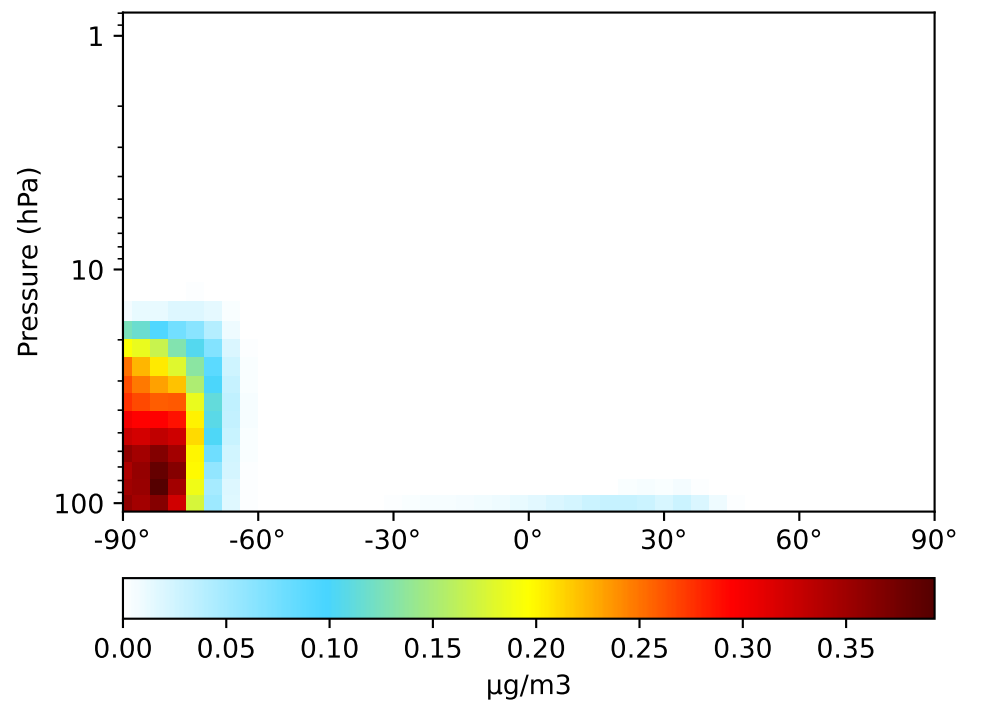


# SpeciesConcVV\_NIT, Zonal Mean

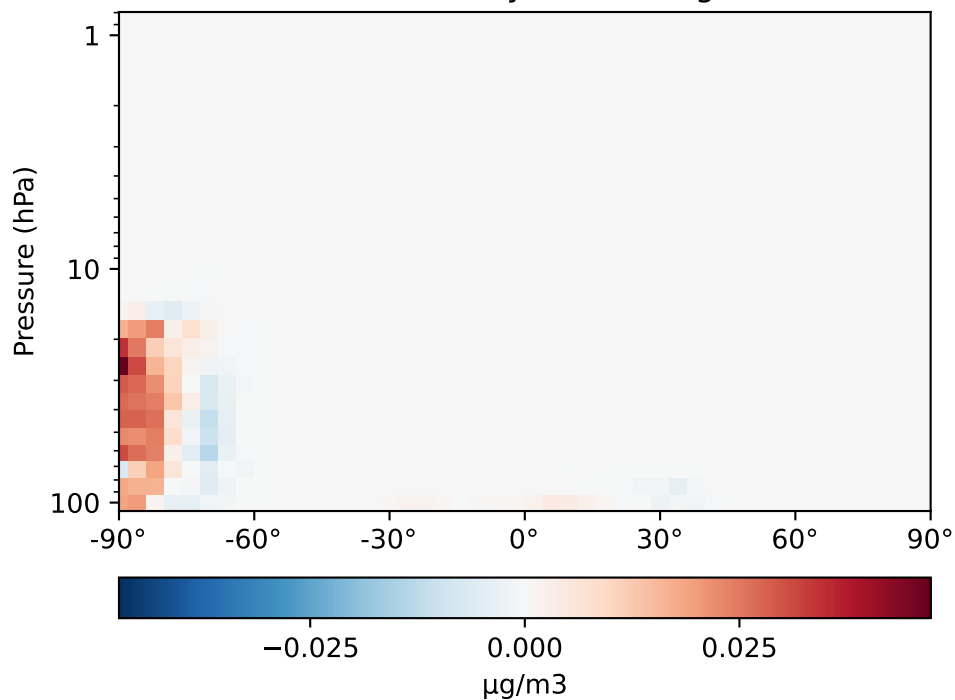
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



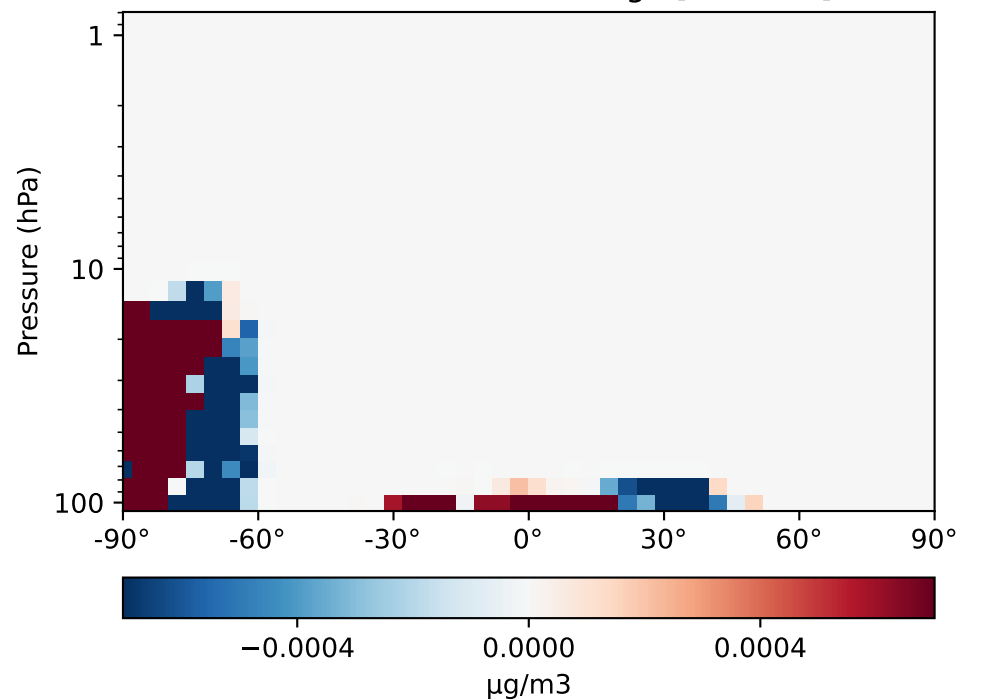
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



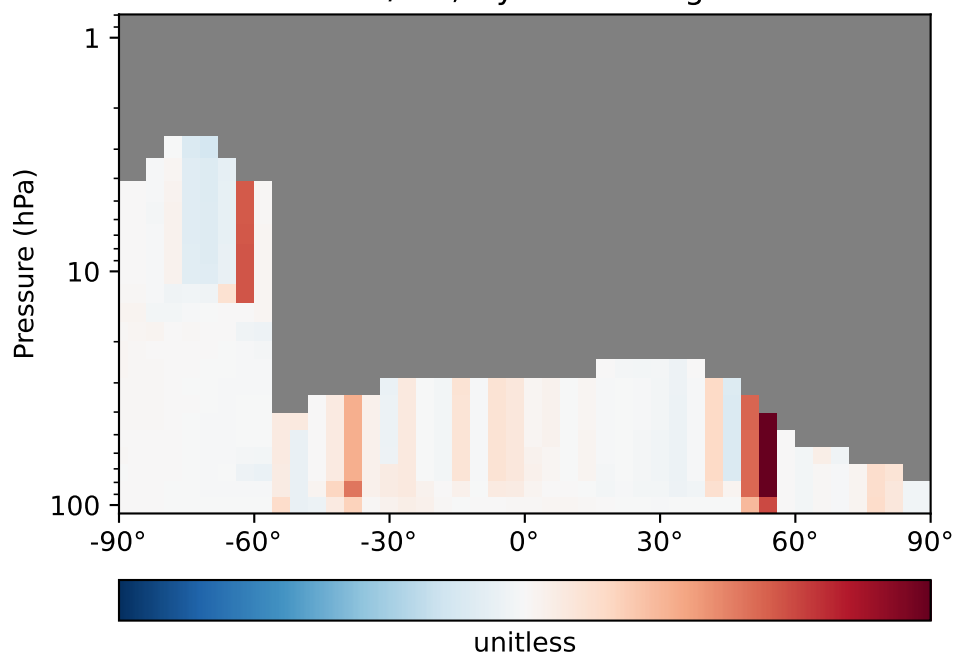
Difference  
Dev - Ref, Dynamic Range



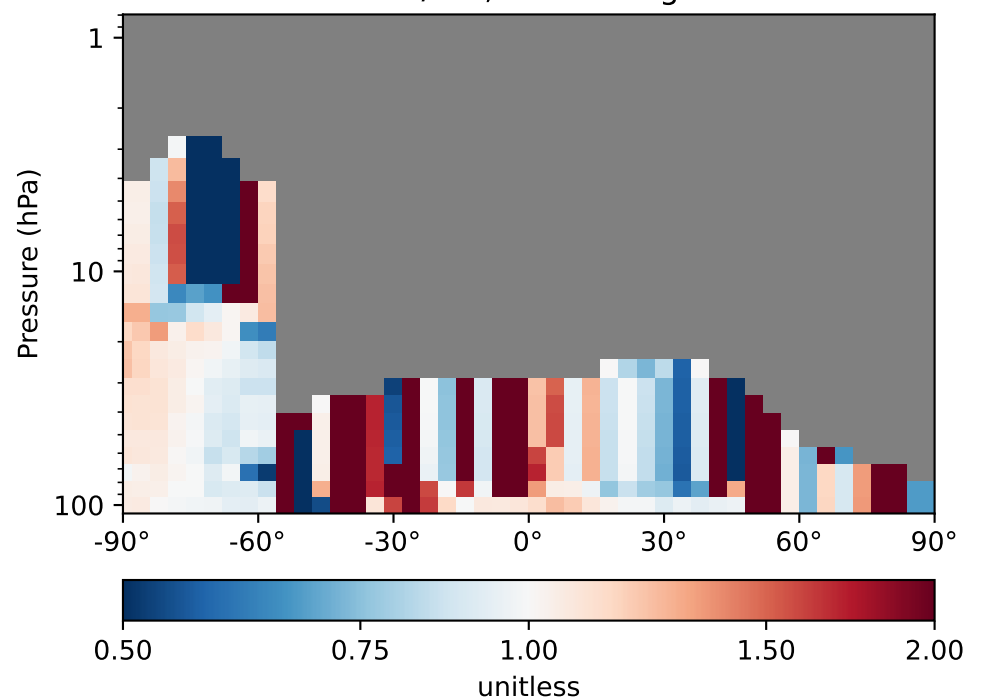
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

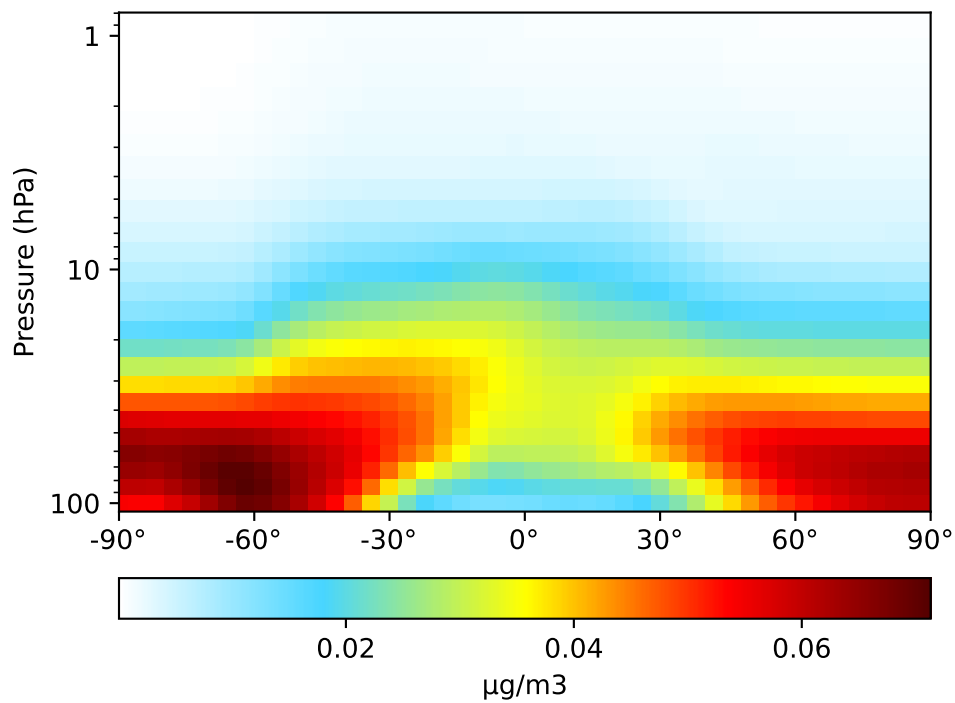


Ratio  
Dev/Ref, Fixed Range

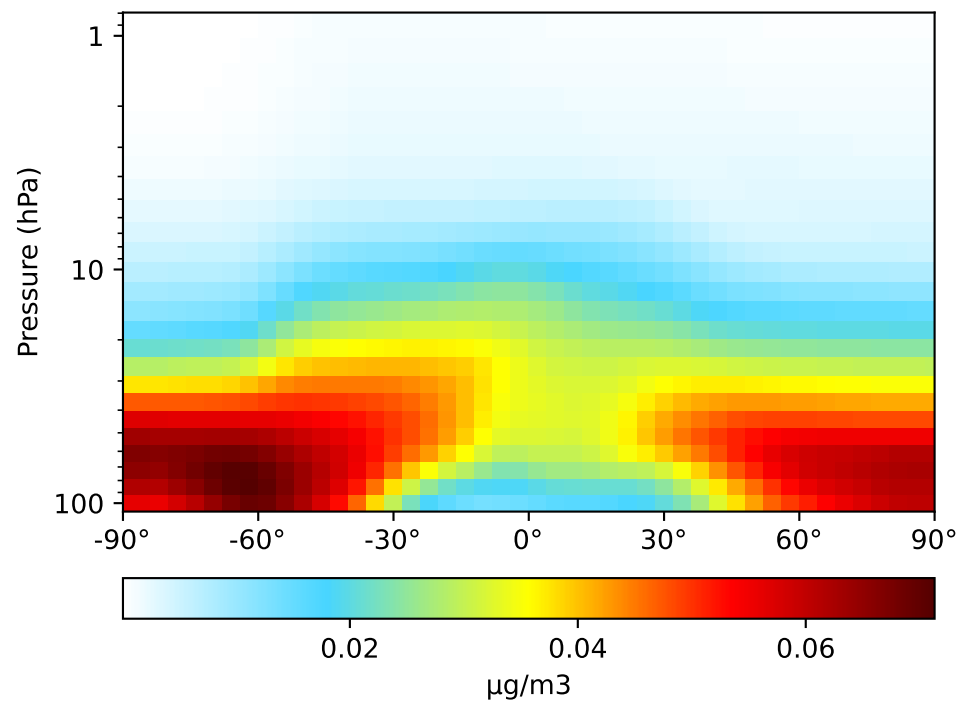


# SpeciesConcVV\_SO4, Zonal Mean

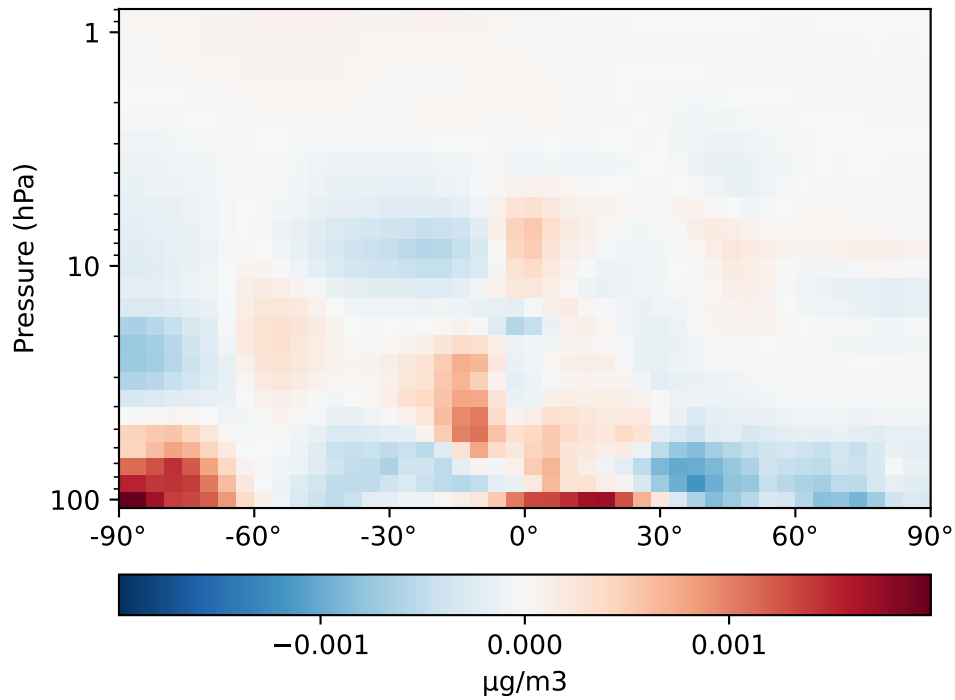
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



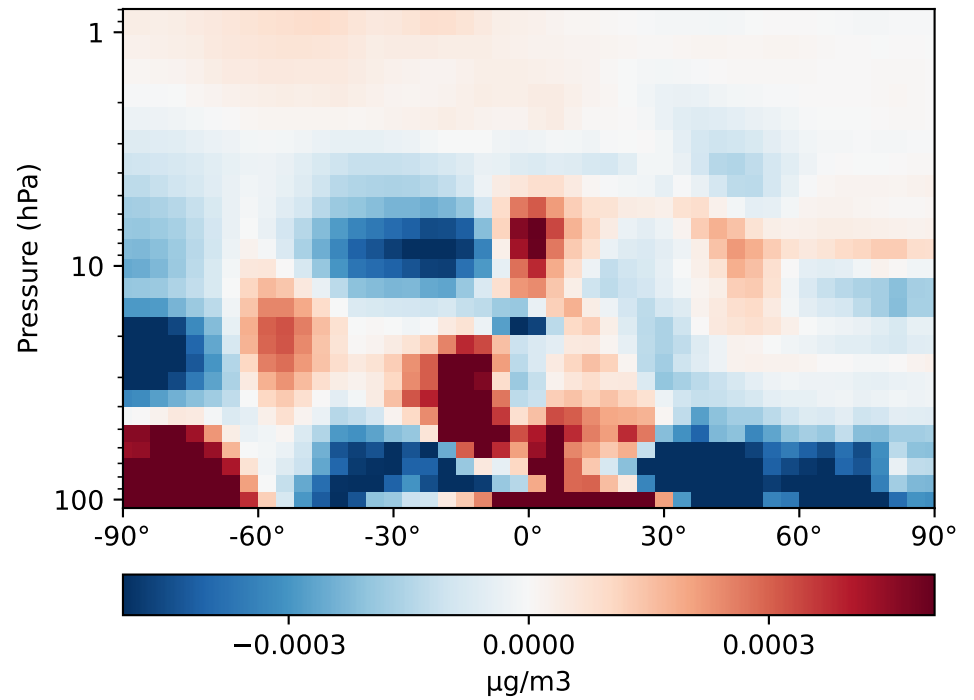
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



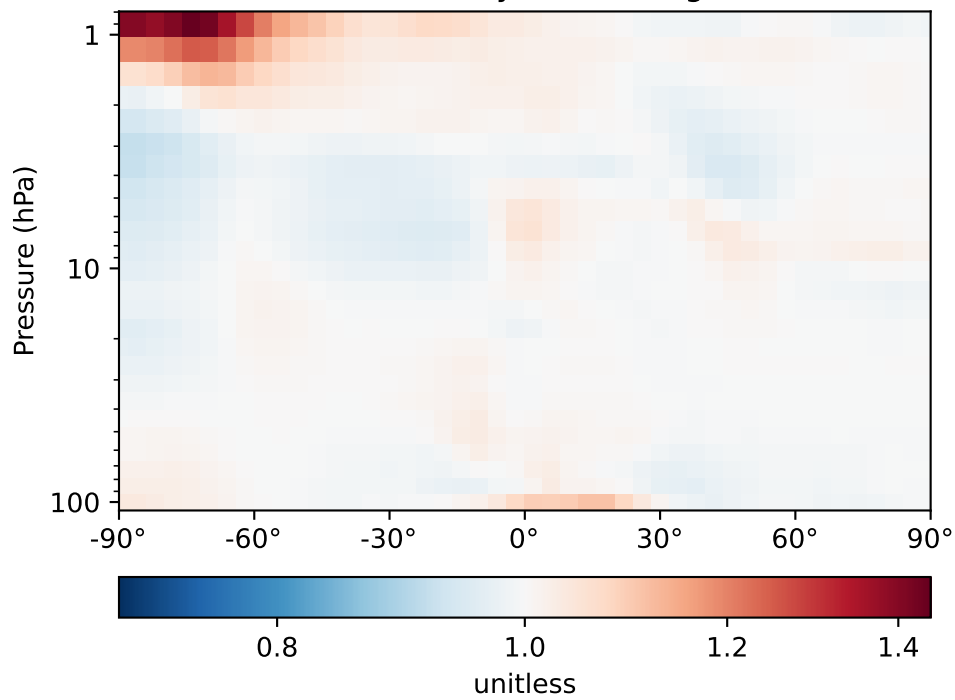
Difference  
Dev - Ref, Dynamic Range



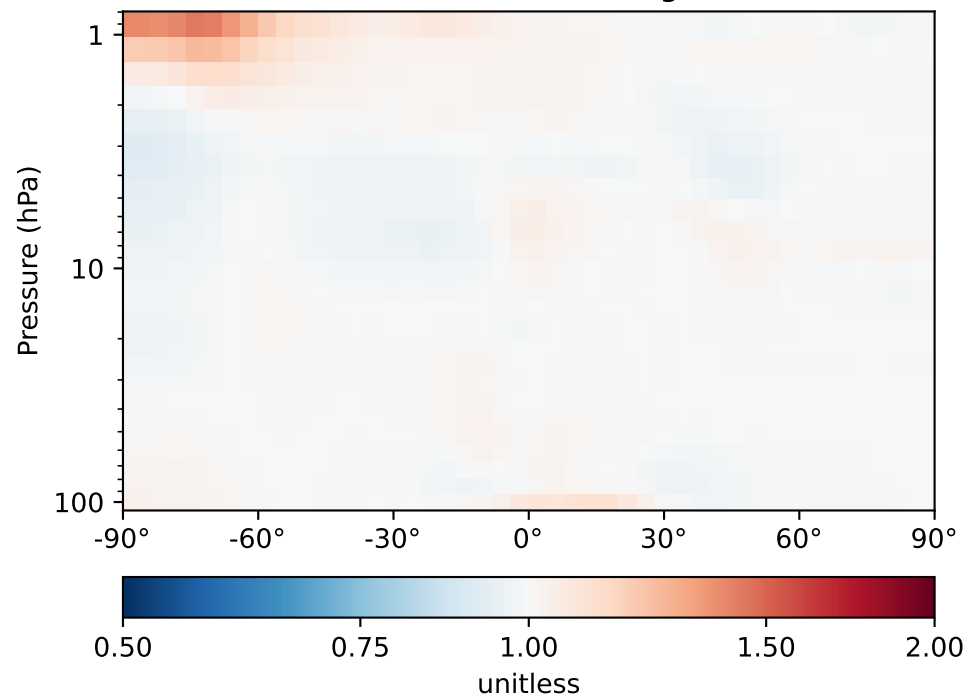
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

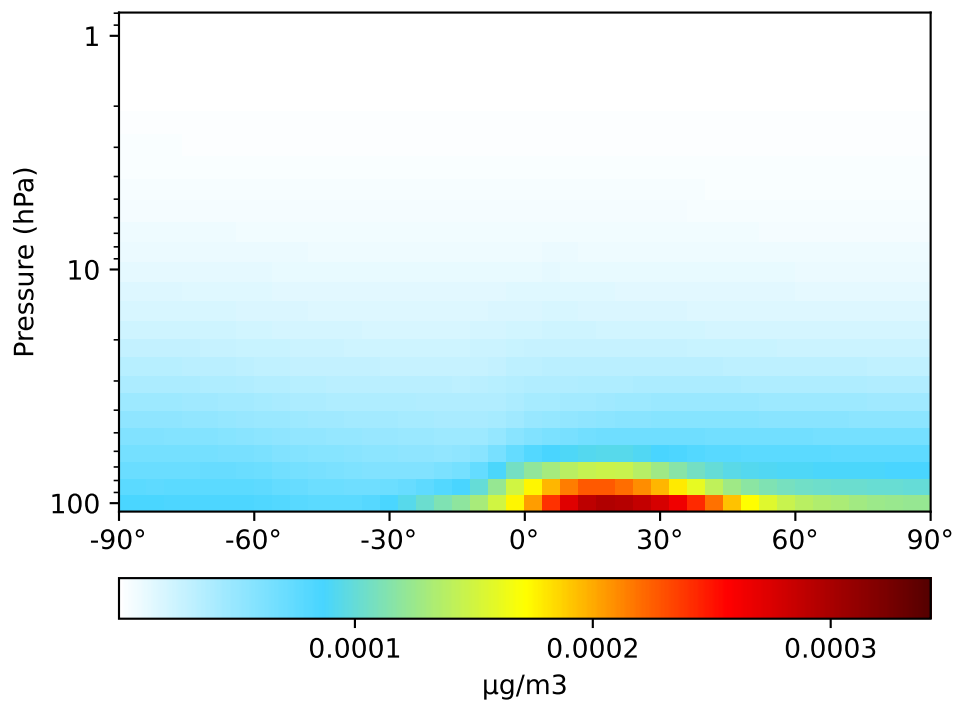


Ratio  
Dev/Ref, Fixed Range

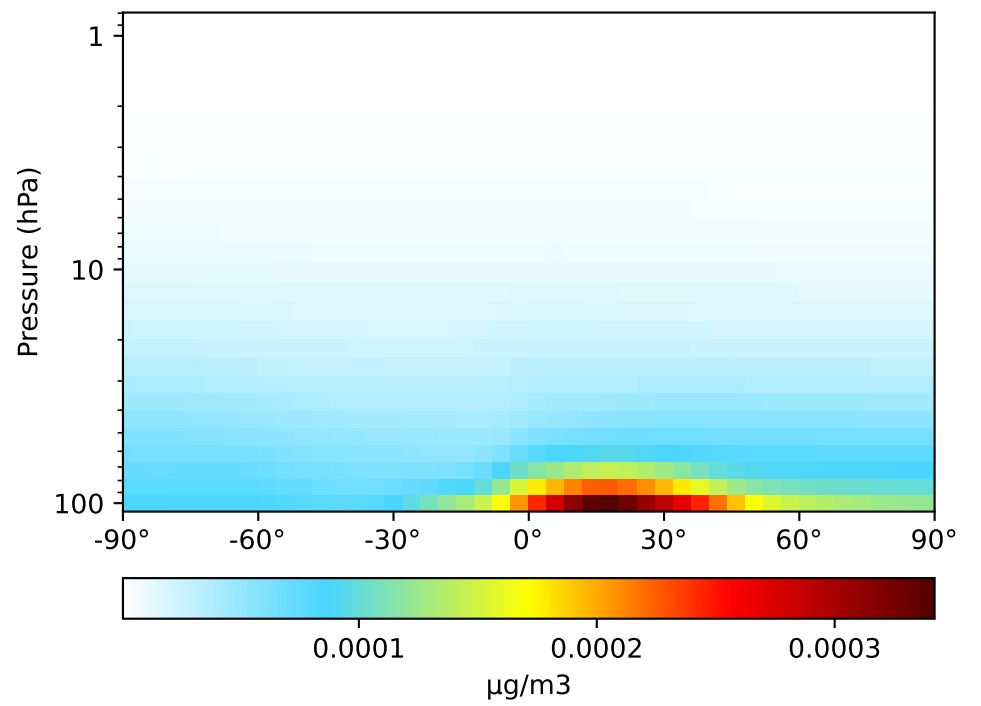


# SpeciesConcVV\_HMS, Zonal Mean

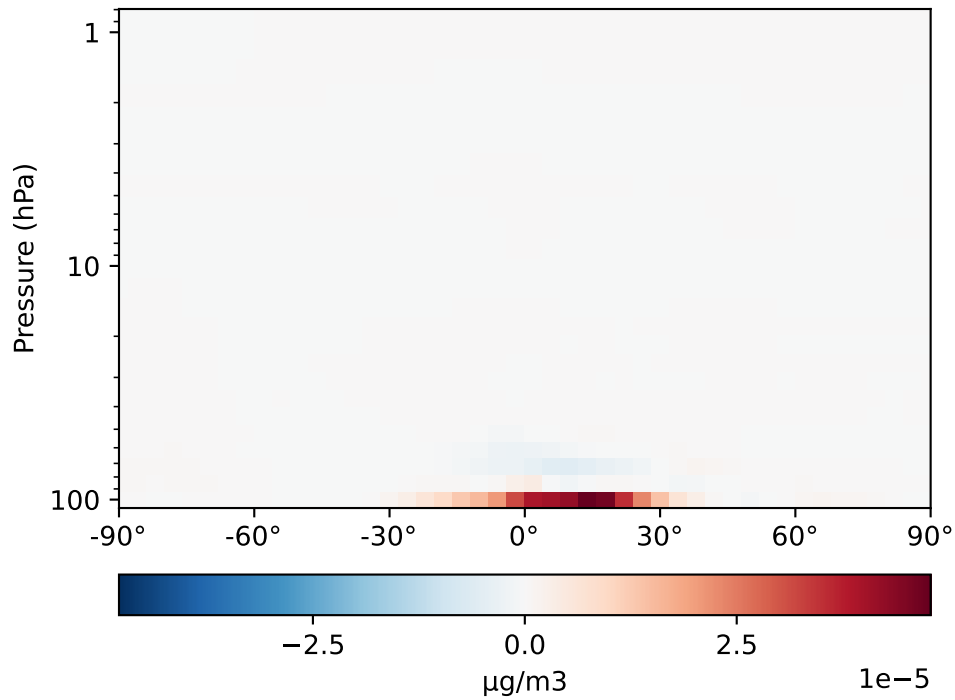
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



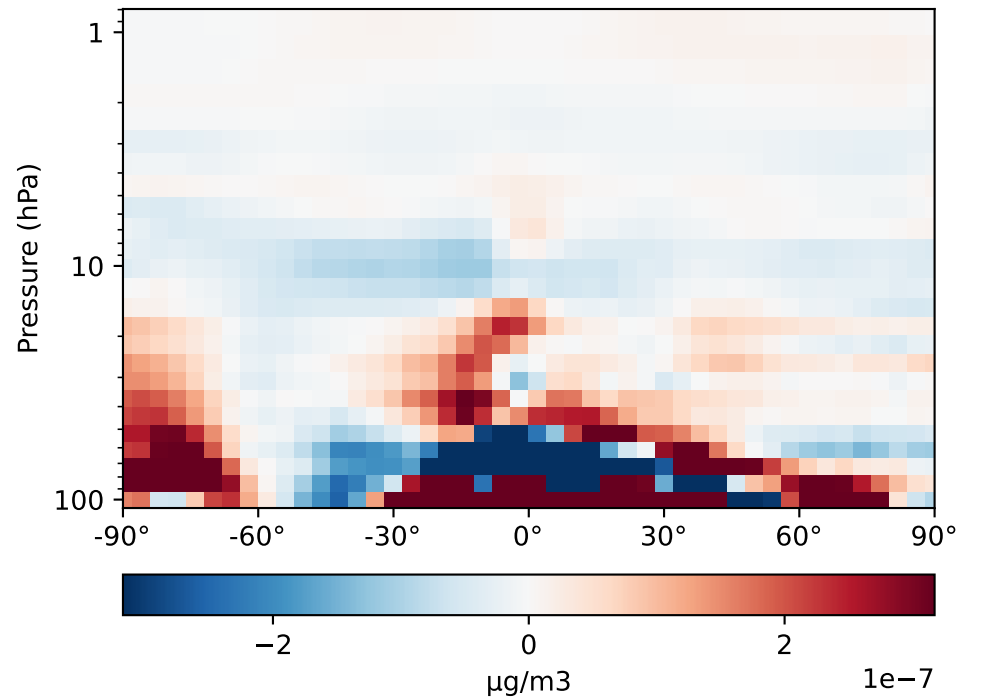
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



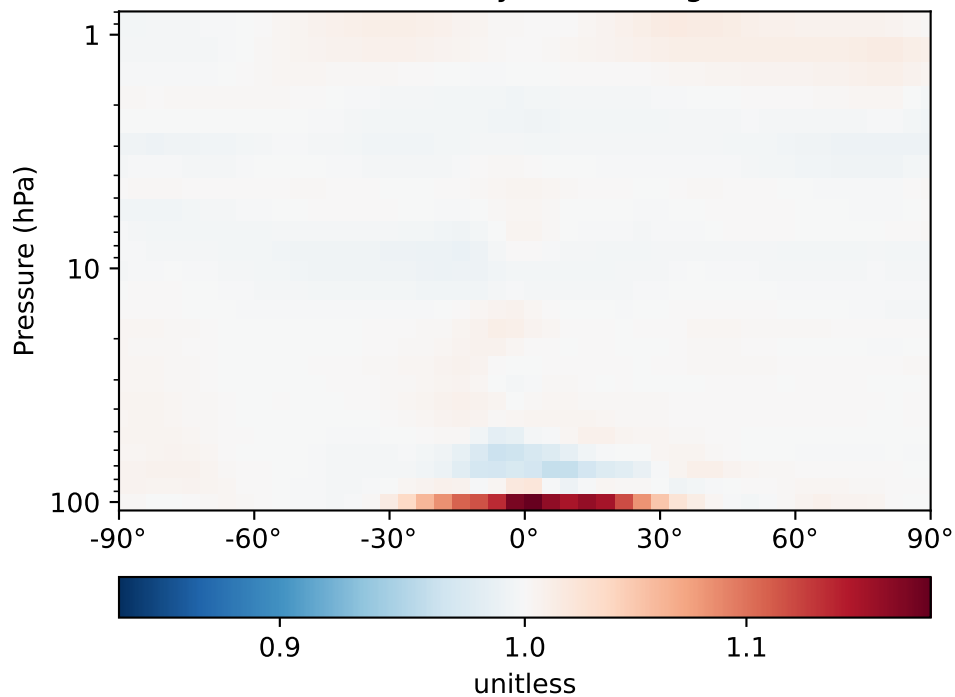
Difference  
Dev - Ref, Dynamic Range



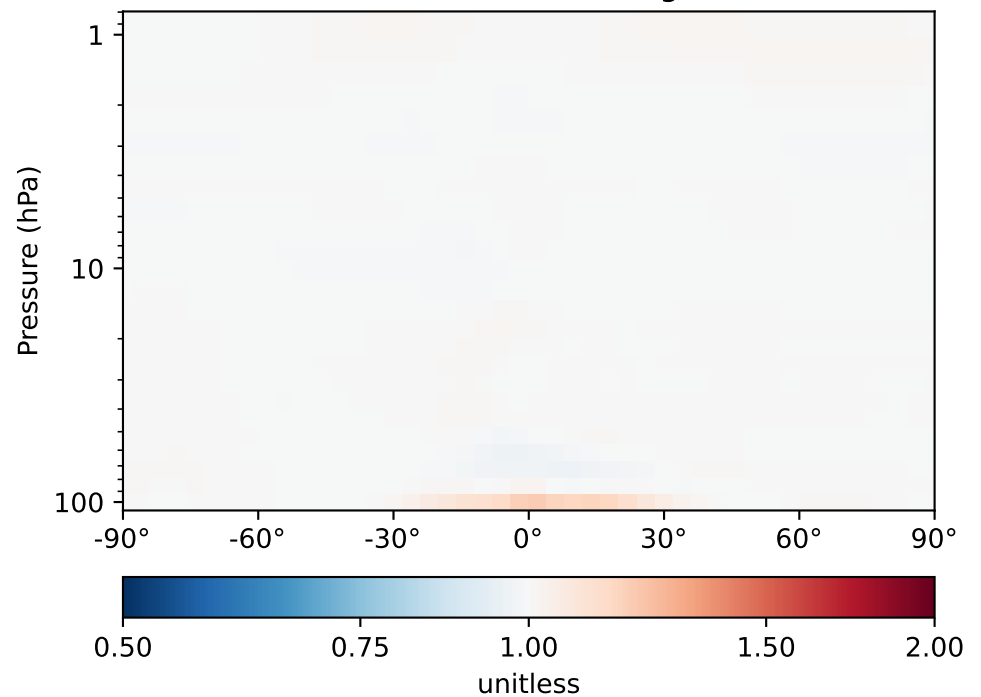
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



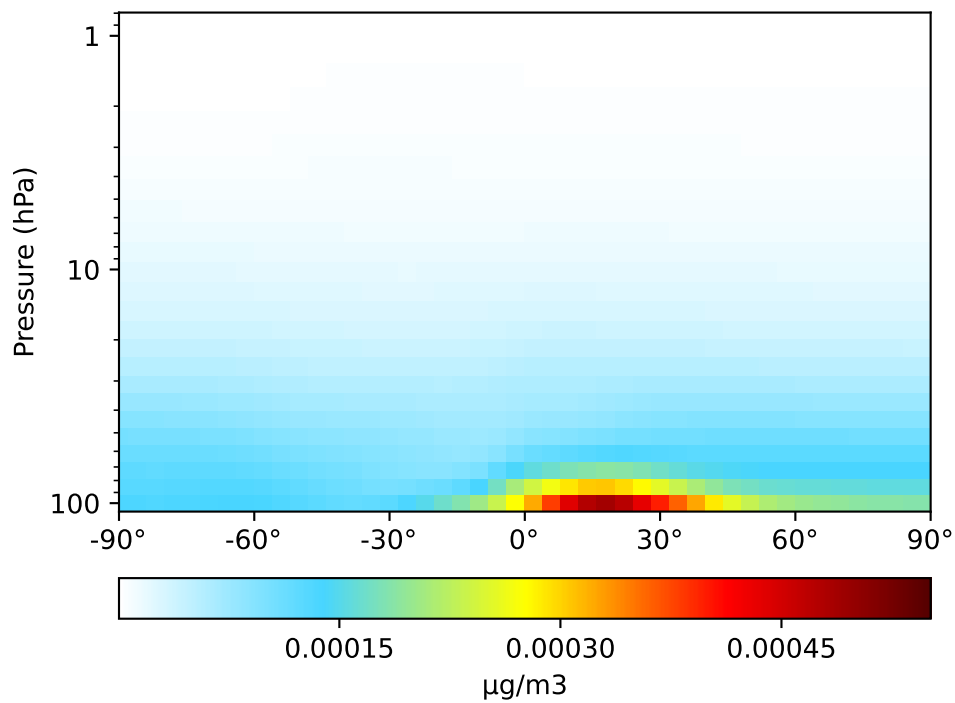
Ratio  
Dev/Ref, Fixed Range



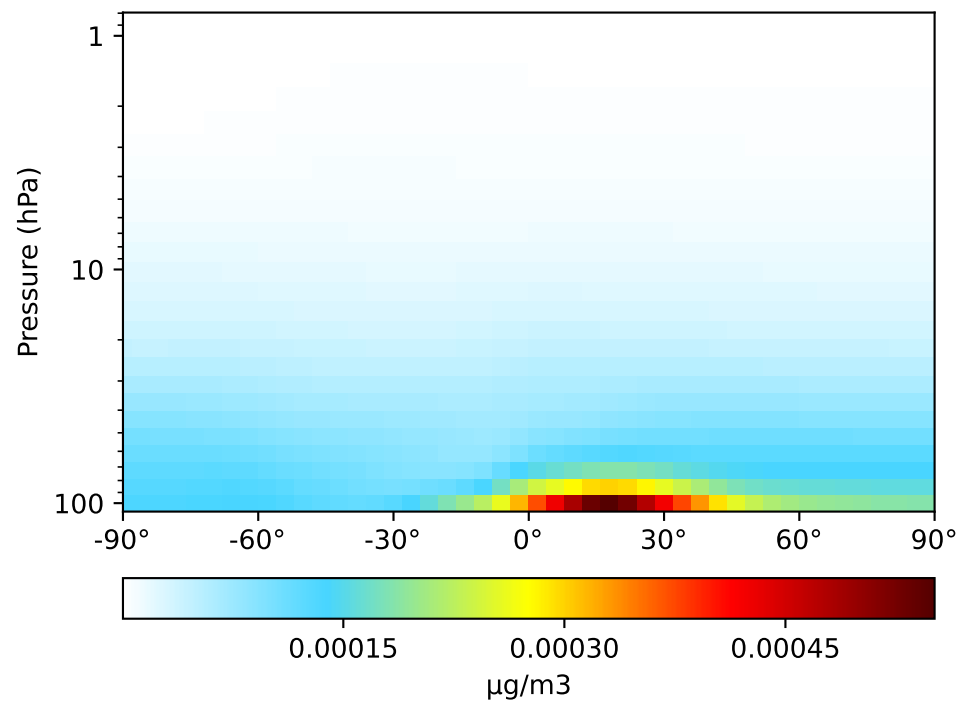


# SpeciesConcVV\_BCPI, Zonal Mean

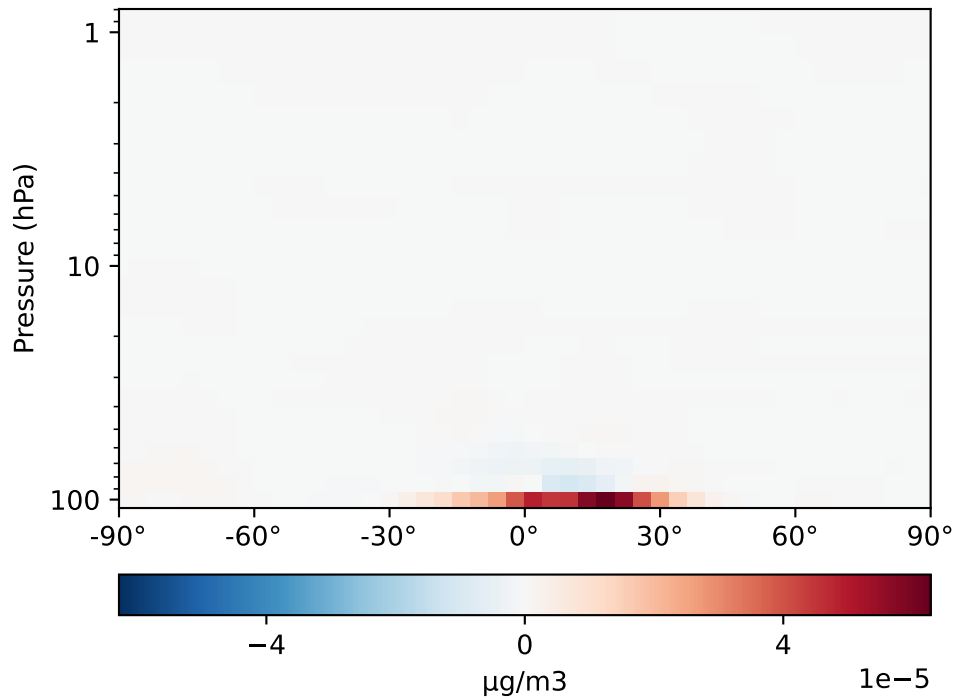
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



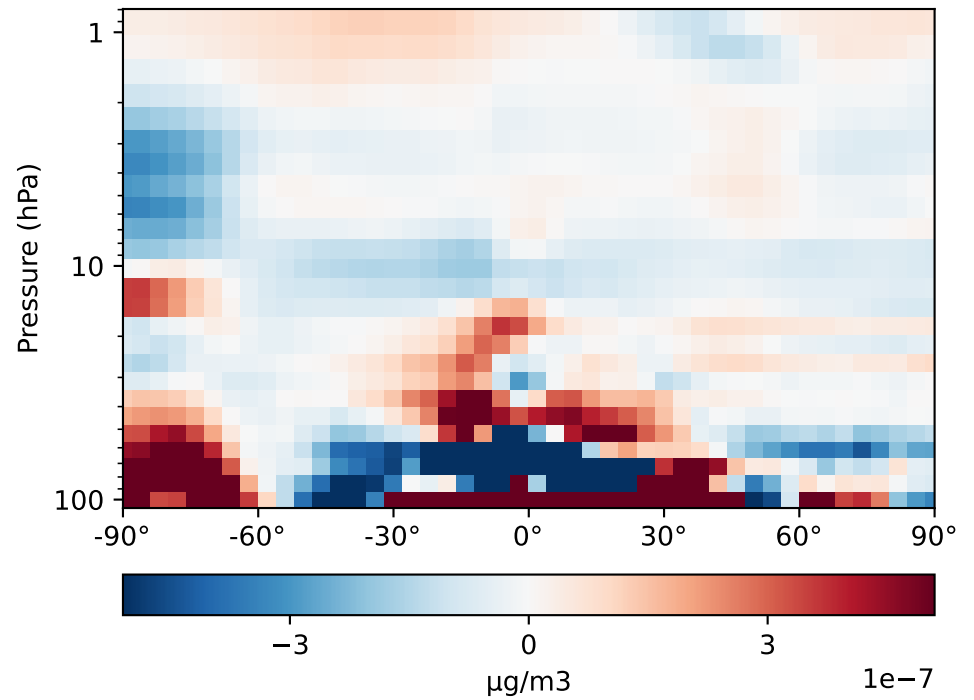
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



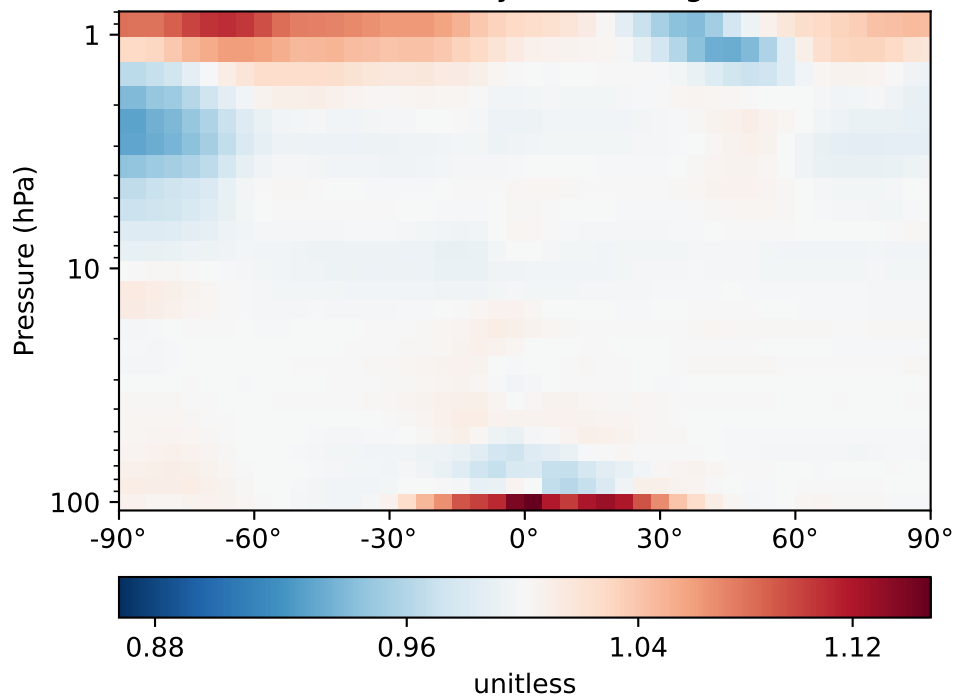
Difference  
Dev - Ref, Dynamic Range



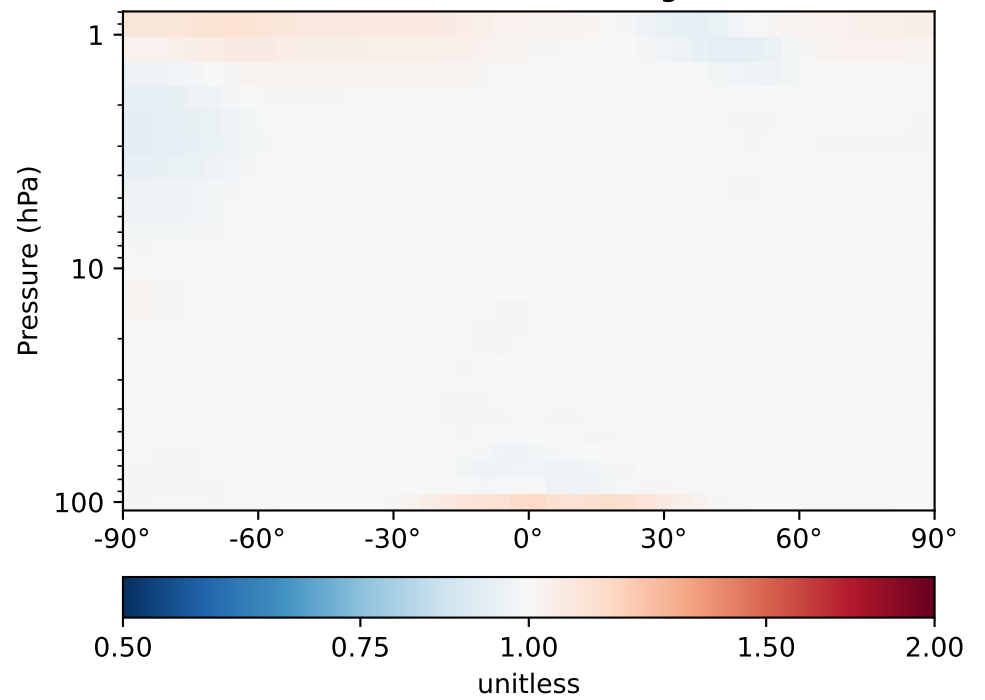
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

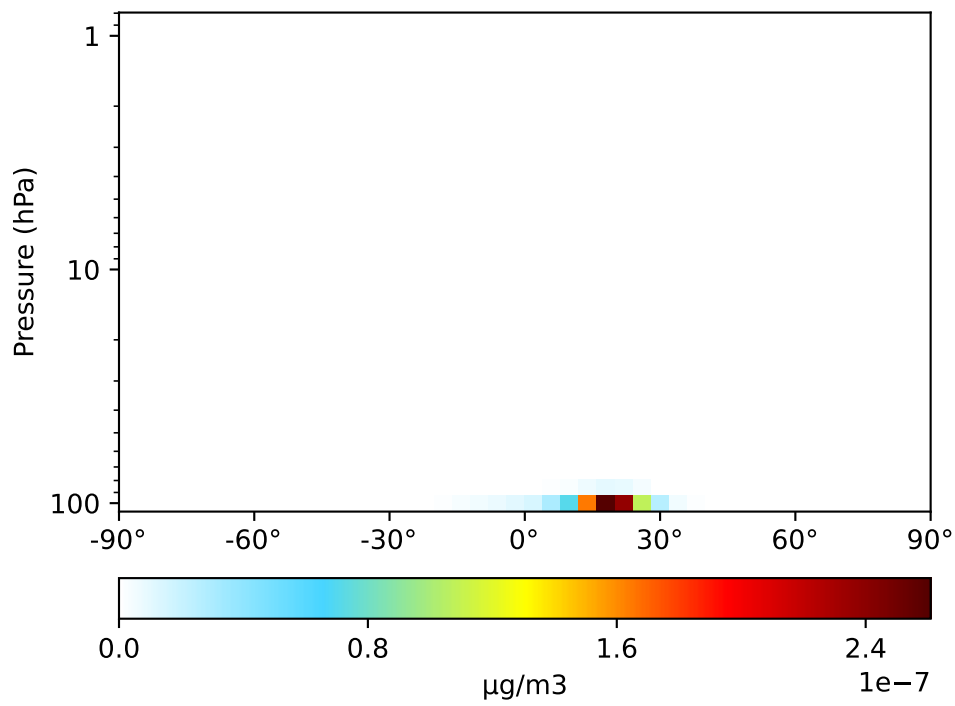


Ratio  
Dev/Ref, Fixed Range

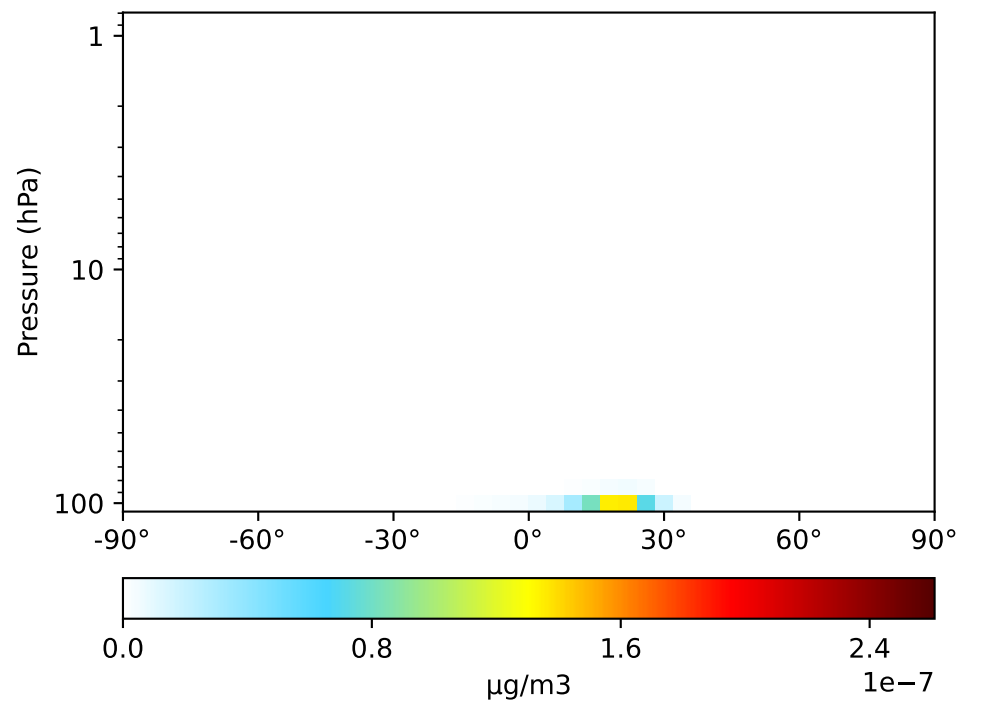


# SpeciesConcVV\_BCPO, Zonal Mean

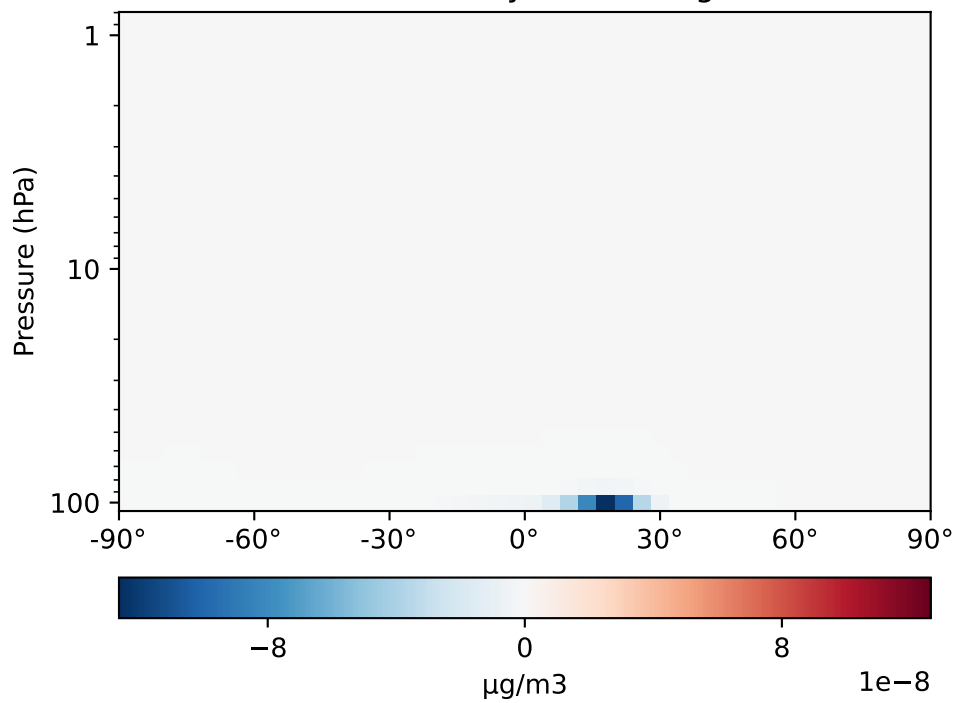
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



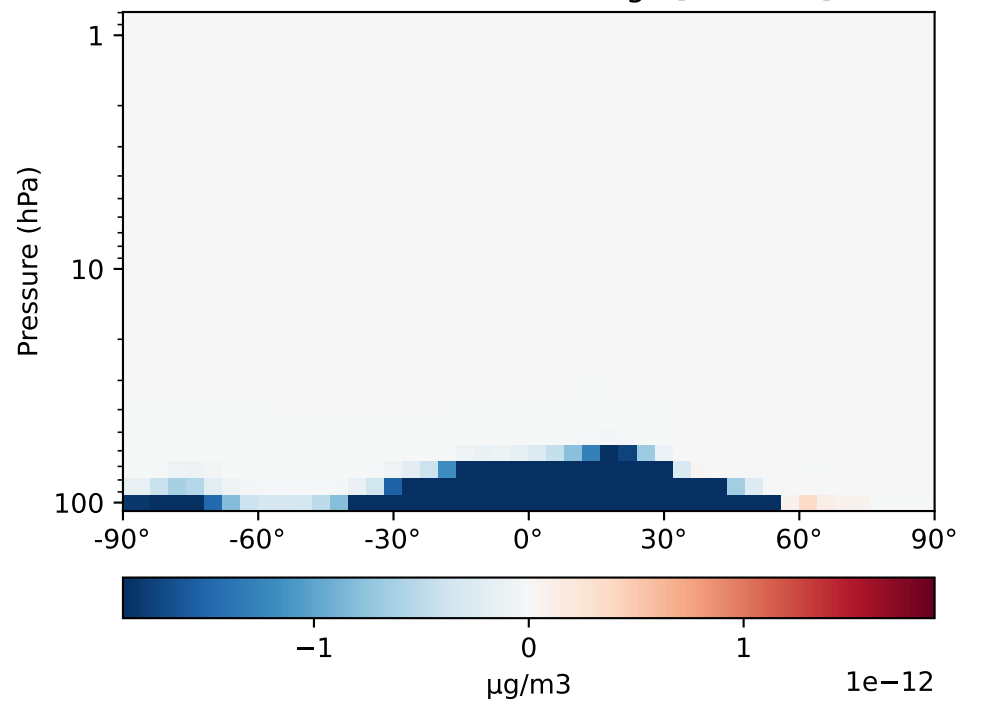
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



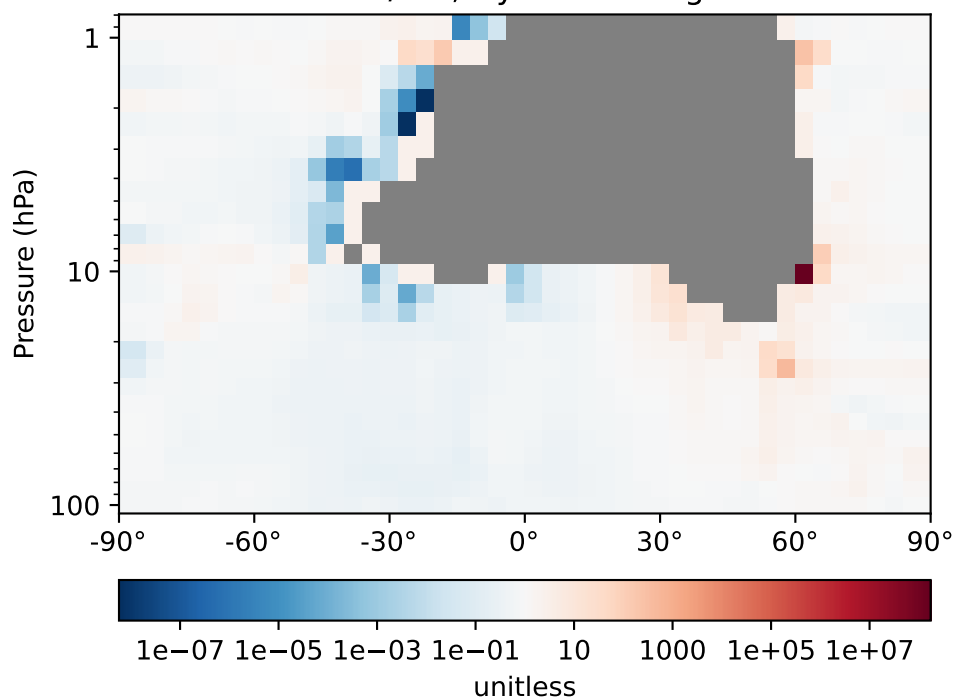
Difference  
Dev - Ref, Dynamic Range



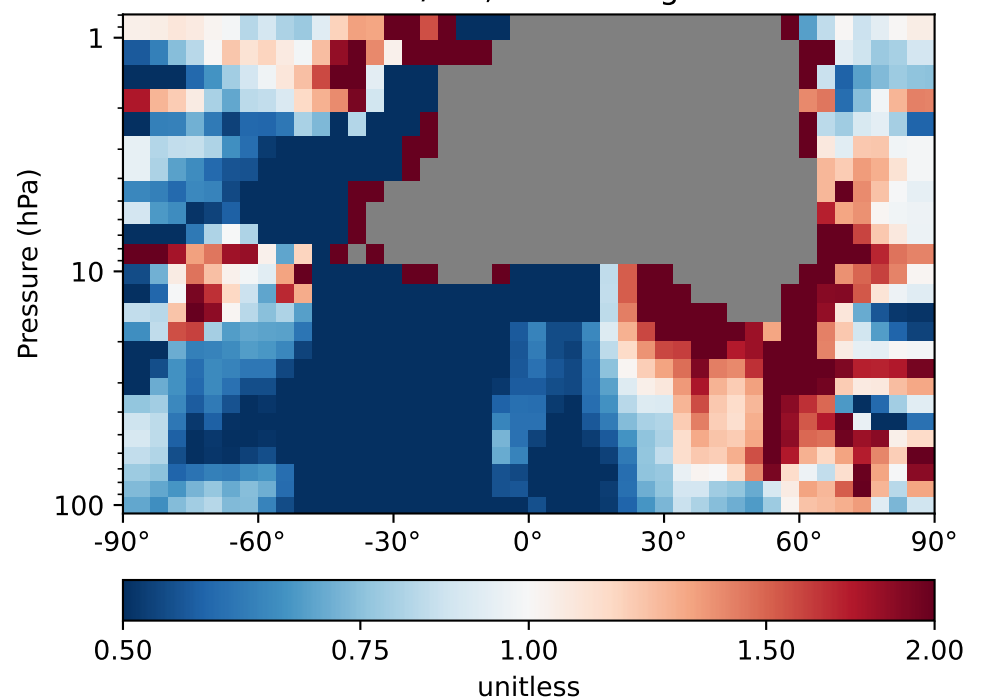
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

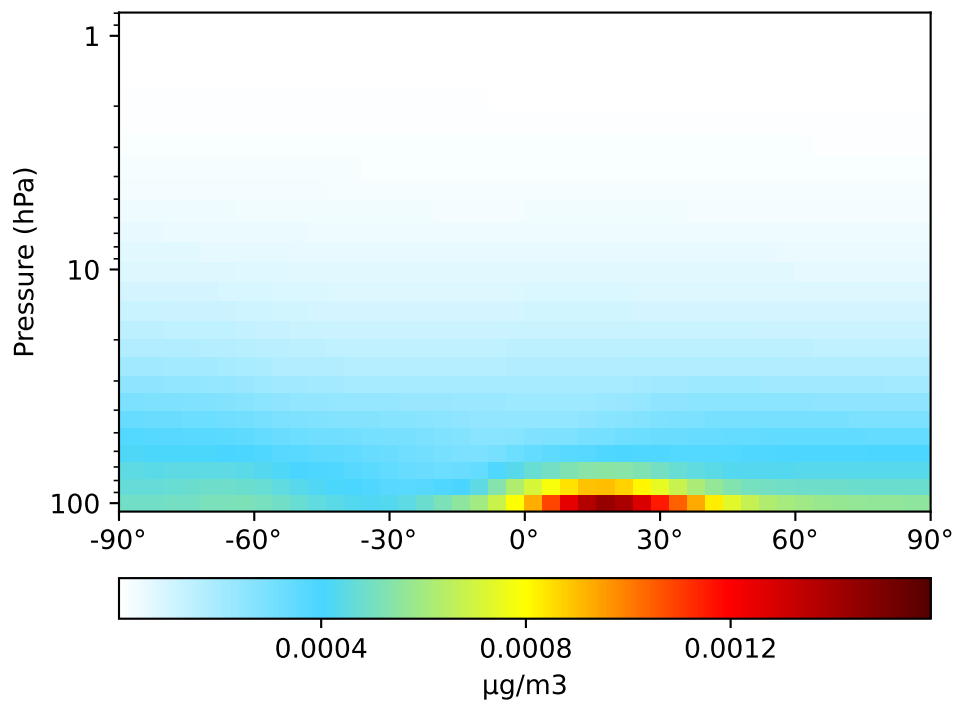


Ratio  
Dev/Ref, Fixed Range

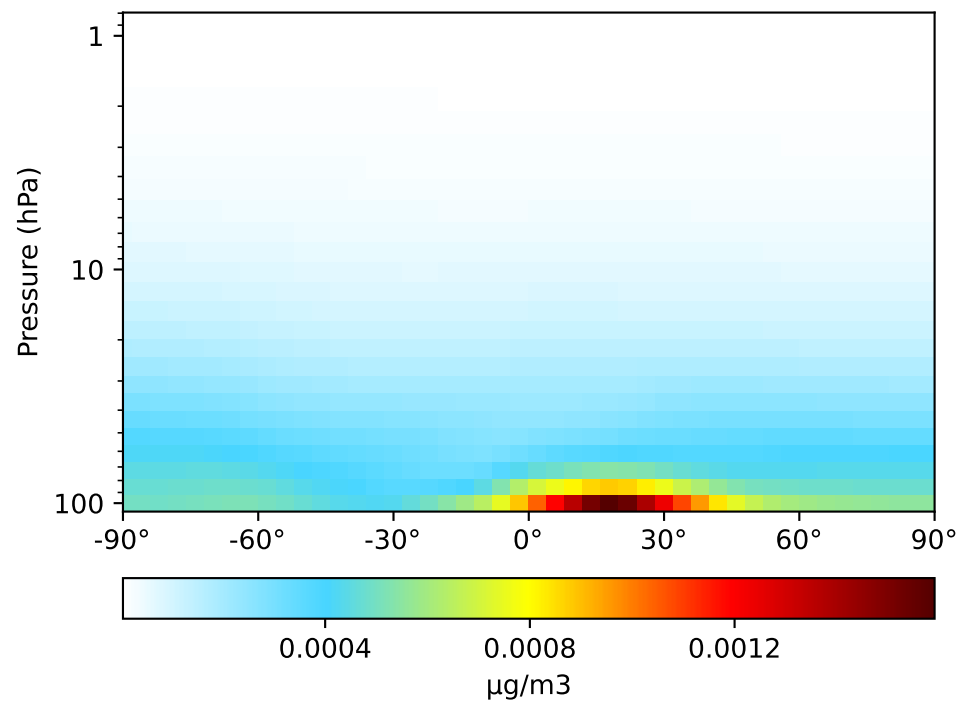


# SpeciesConcVV\_OCPI, Zonal Mean

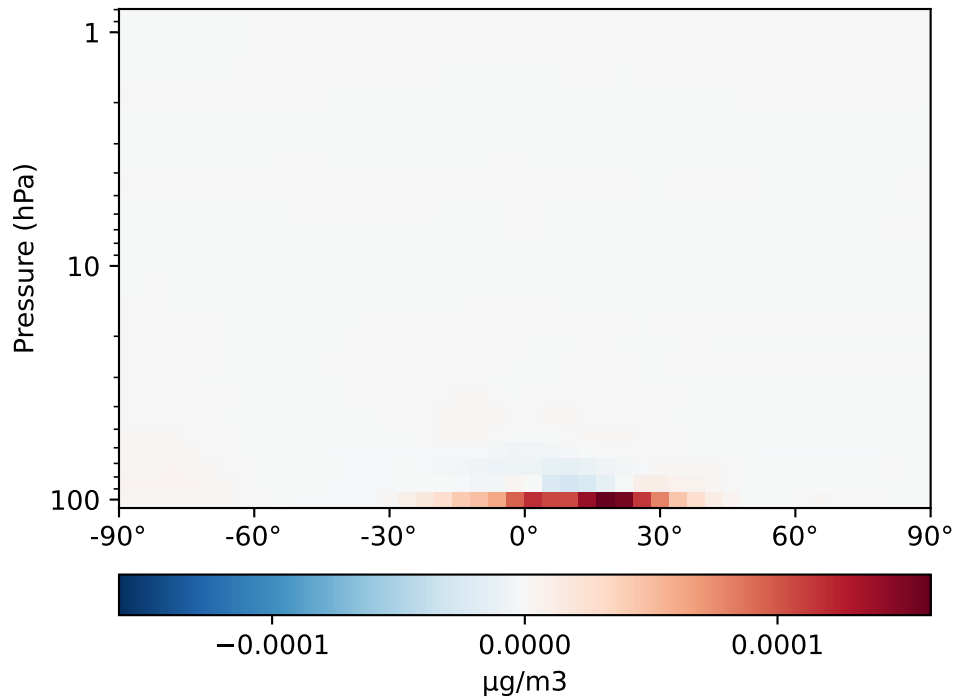
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



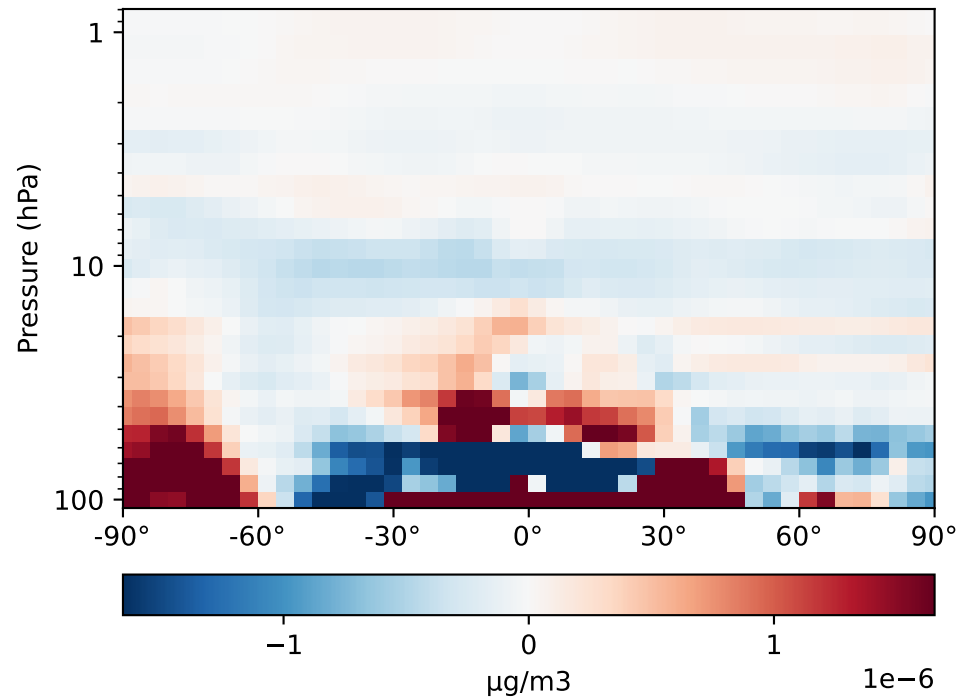
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



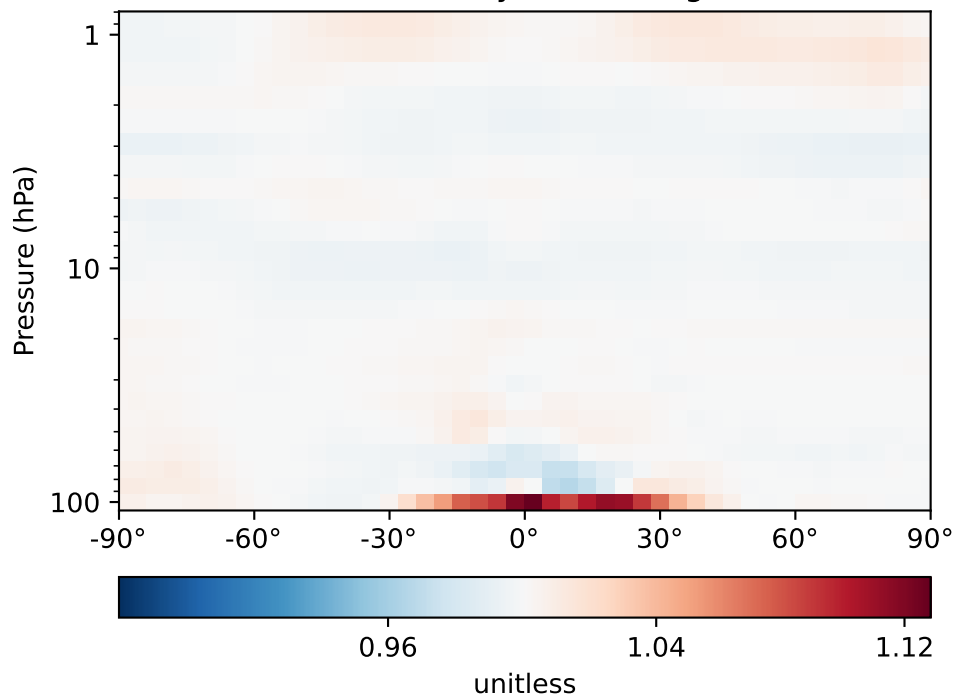
Difference  
Dev - Ref, Dynamic Range



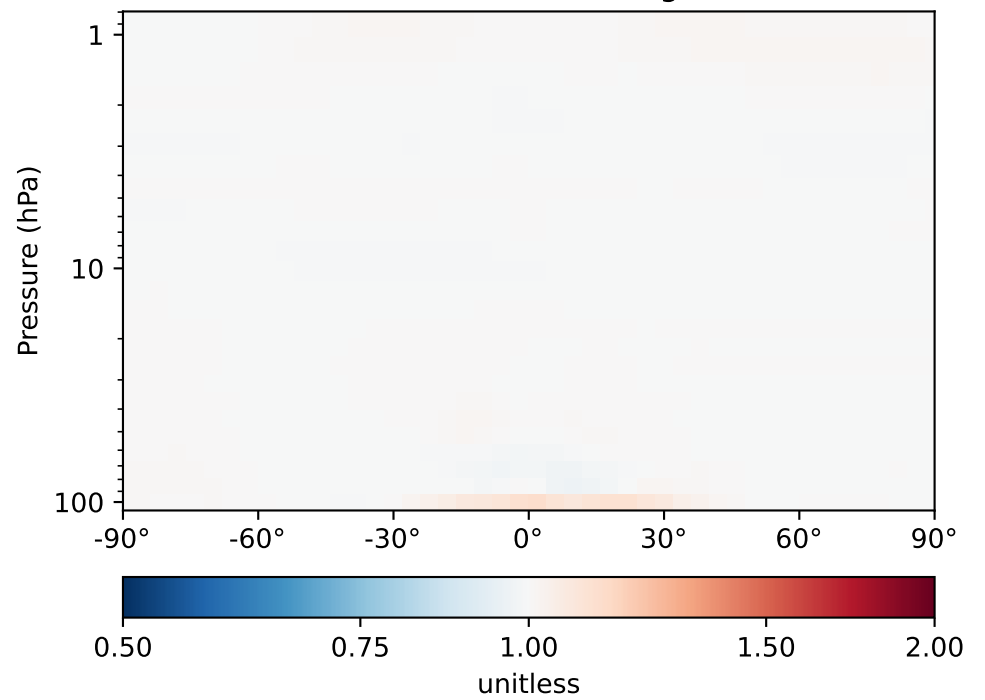
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

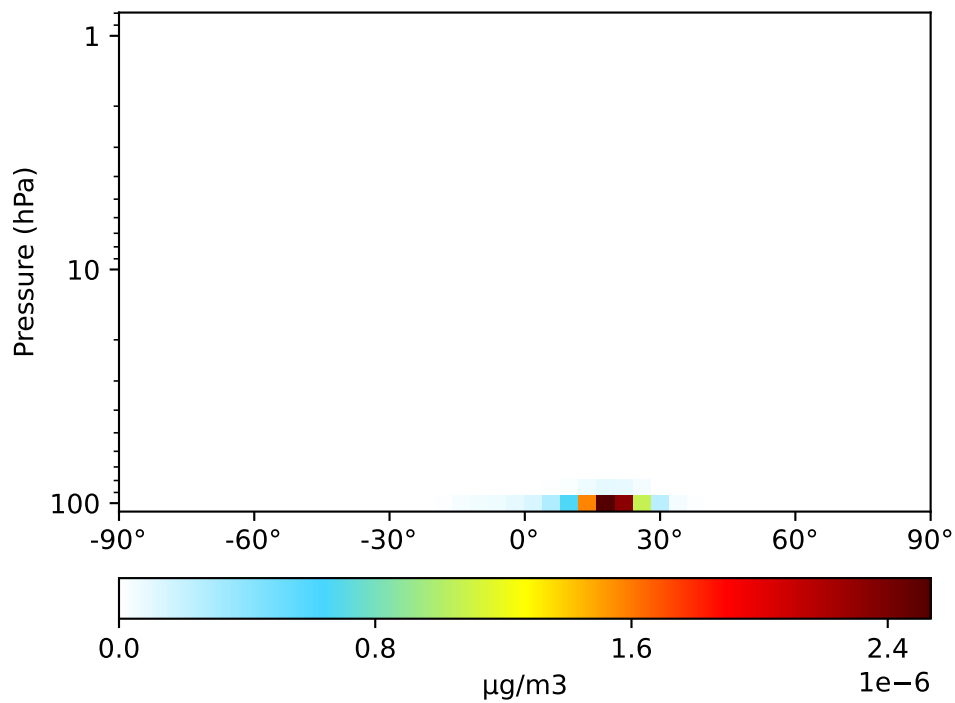


Ratio  
Dev/Ref, Fixed Range

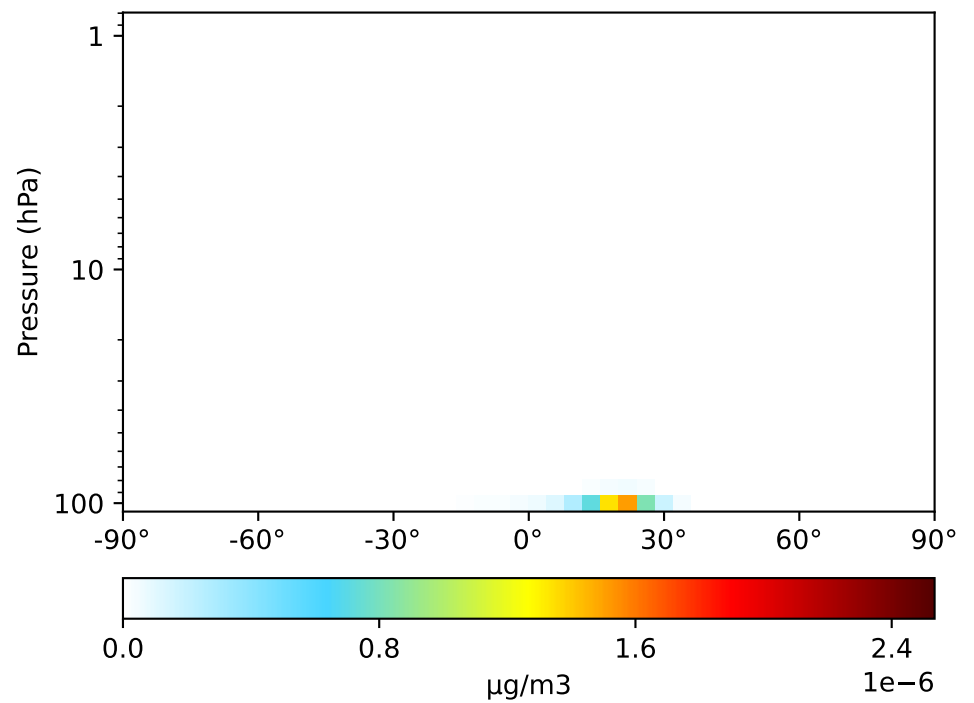


# SpeciesConcVV\_OCPO, Zonal Mean

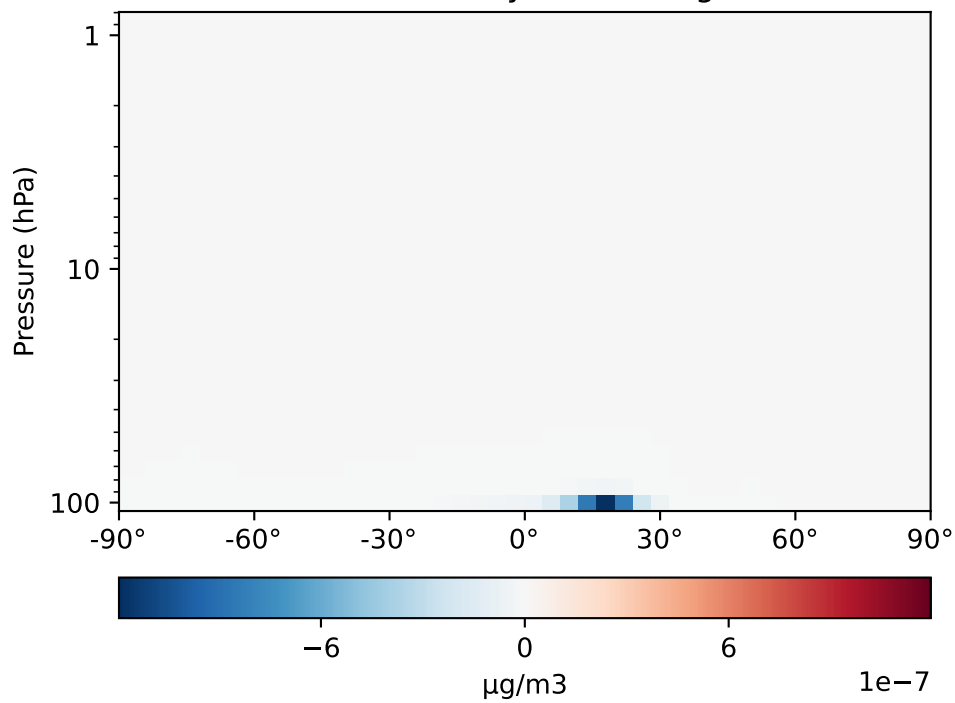
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



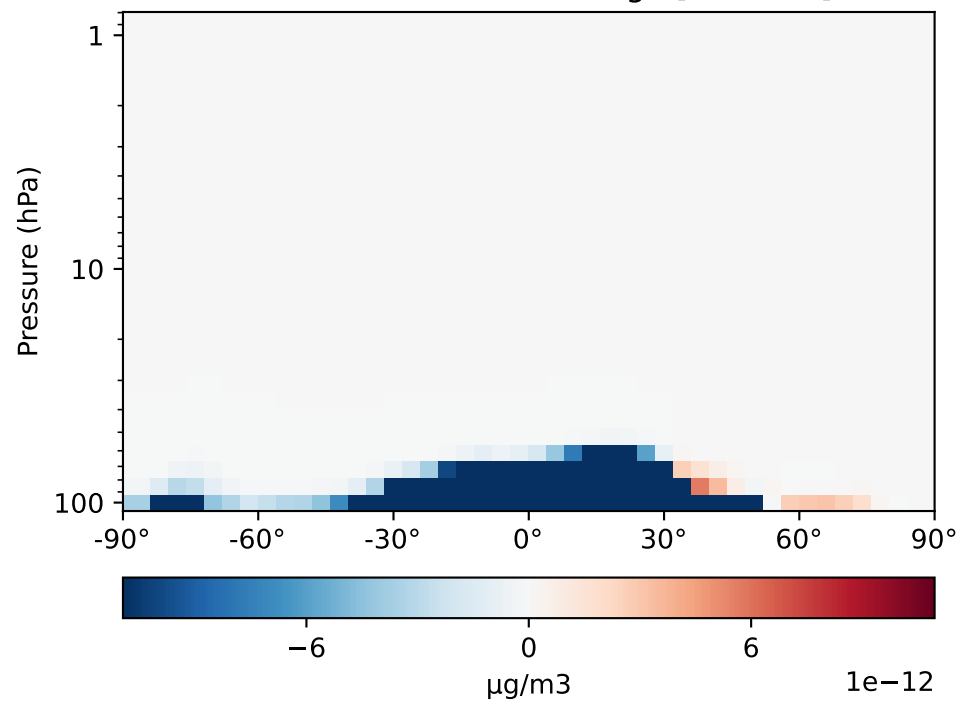
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



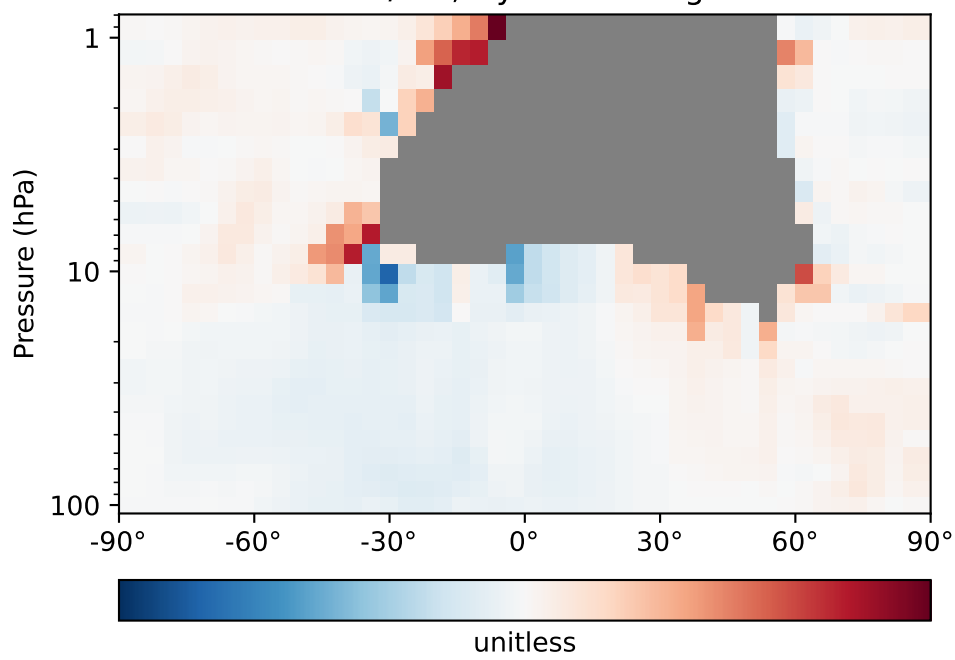
Difference  
Dev - Ref, Dynamic Range



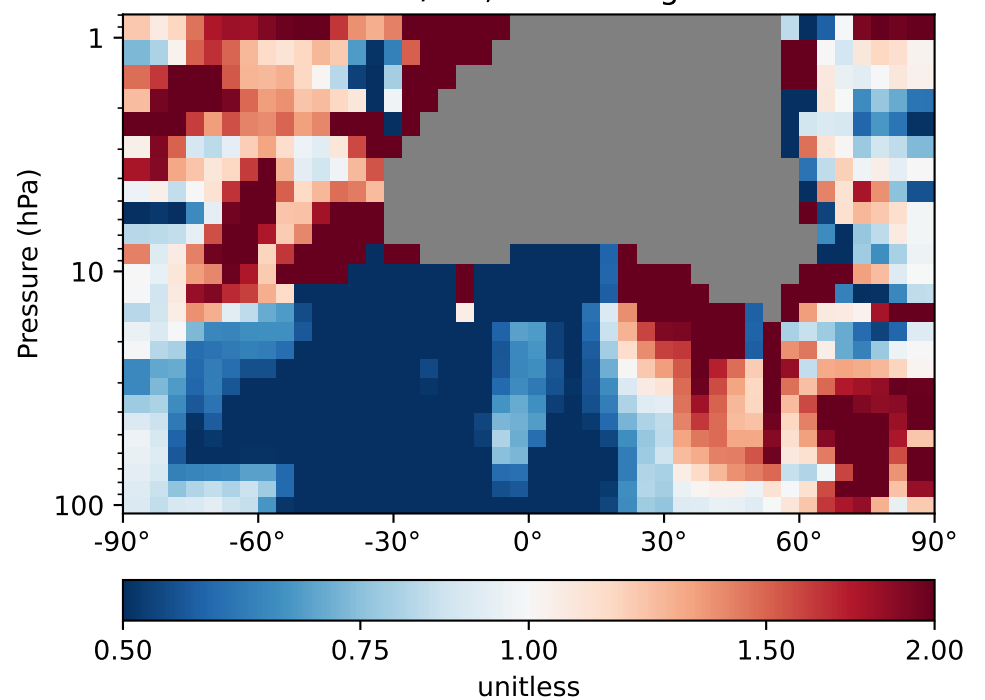
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

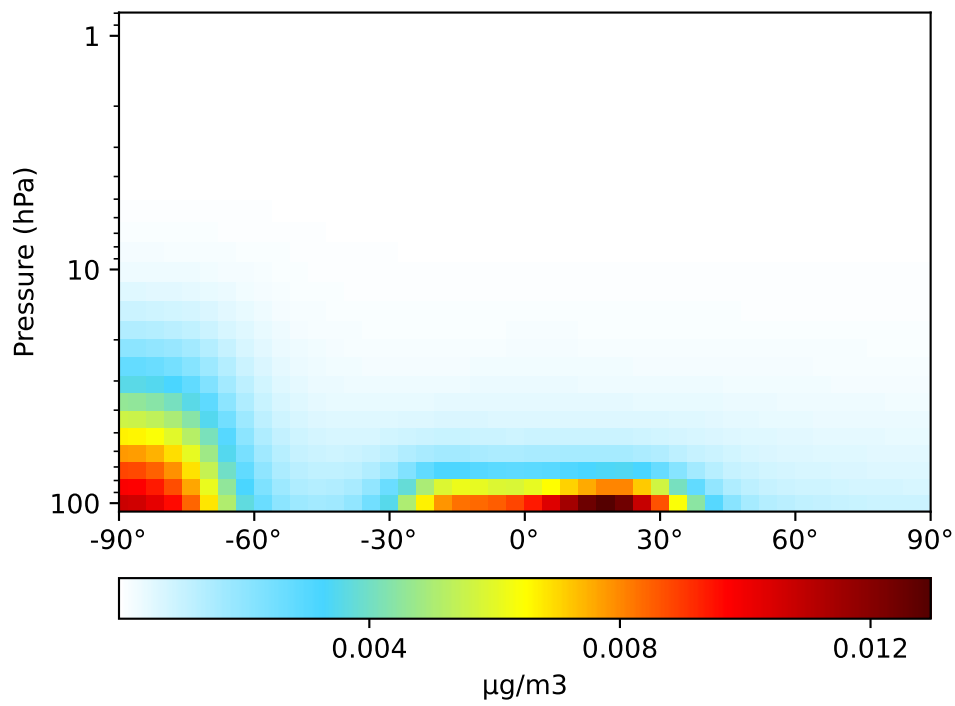


Ratio  
Dev/Ref, Fixed Range

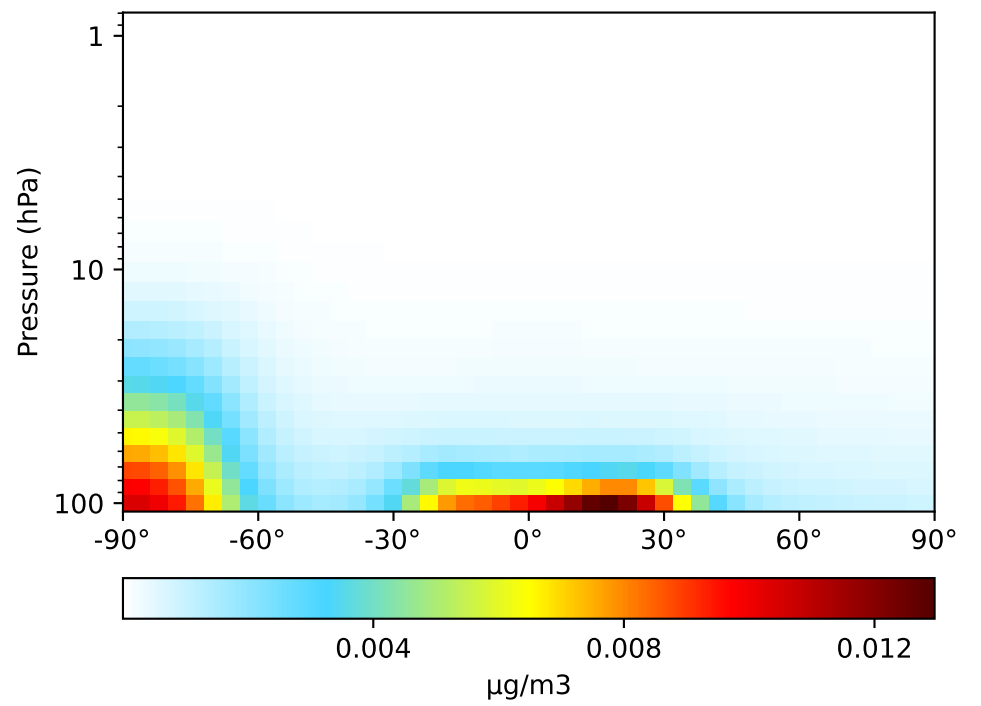


# SpeciesConcVV\_Complex\_SOA, Zonal Mean

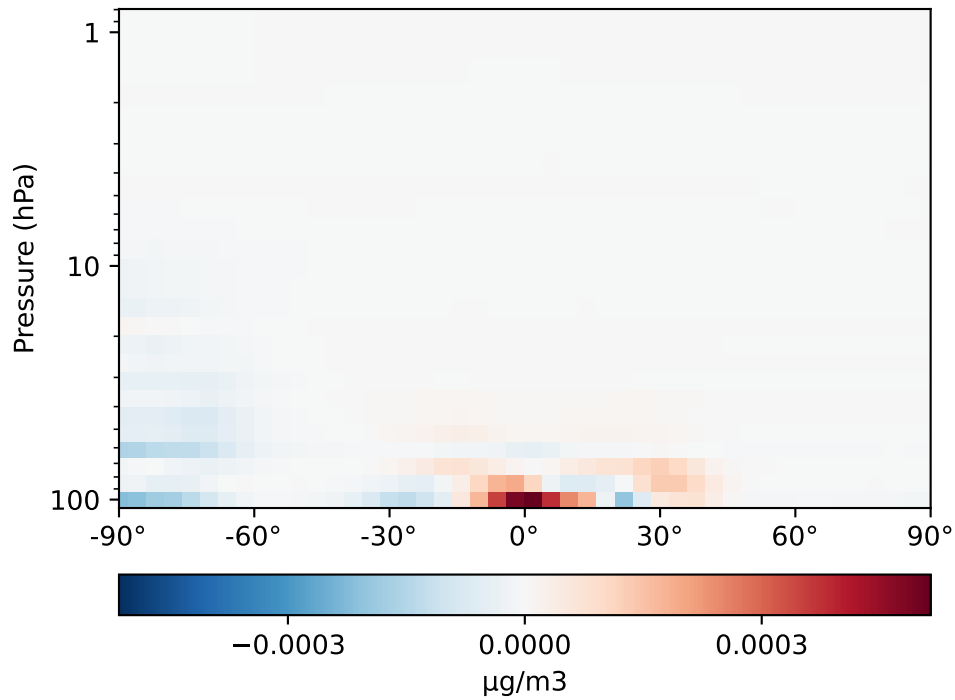
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



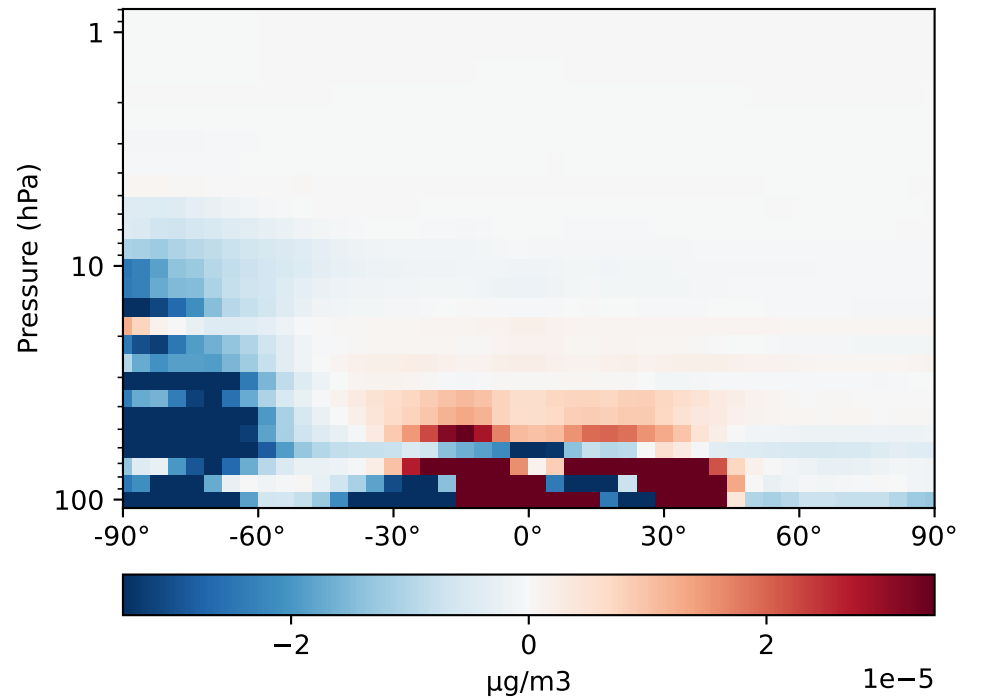
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



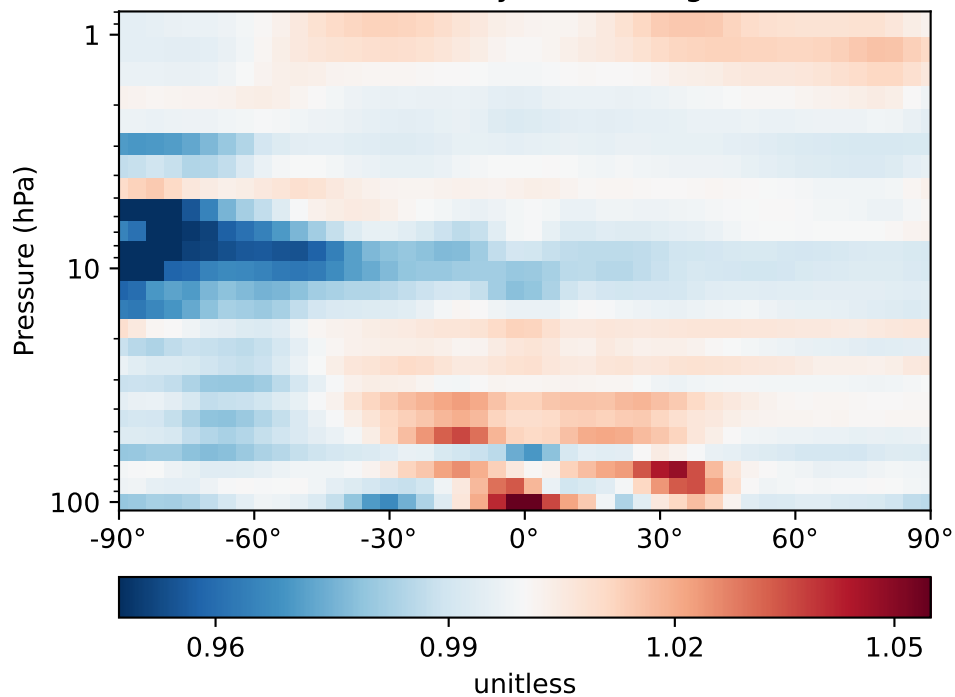
Difference  
Dev - Ref, Dynamic Range



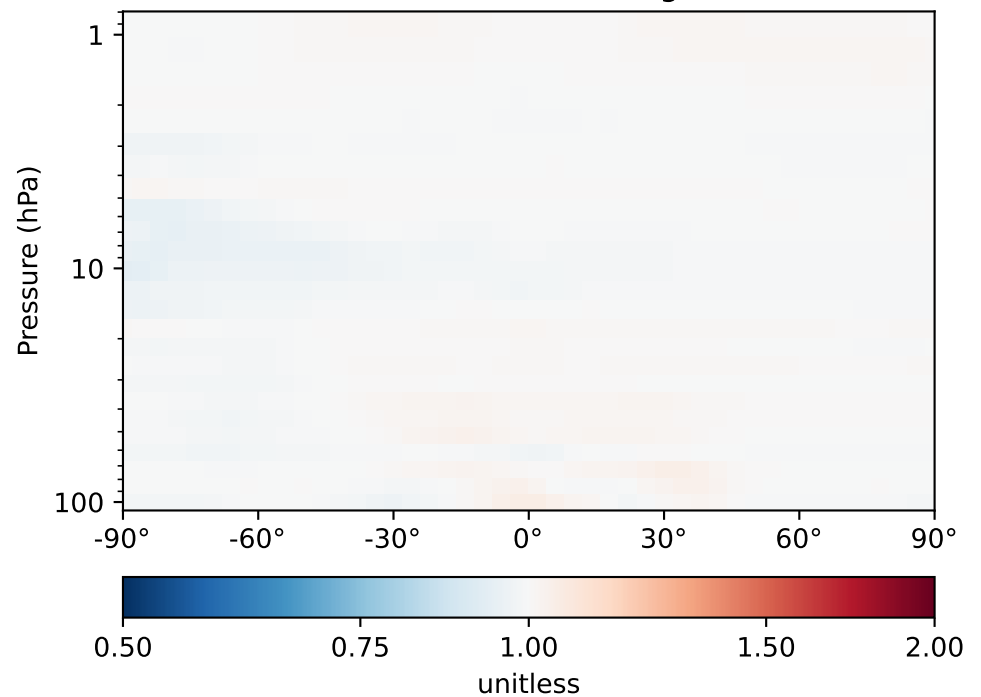
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

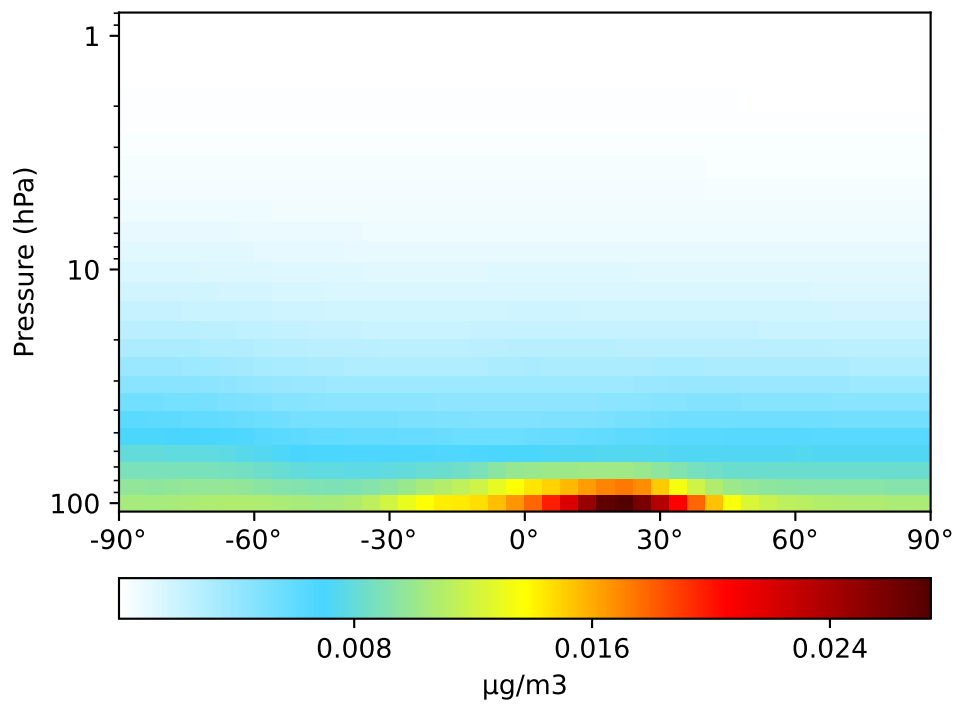


Ratio  
Dev/Ref, Fixed Range

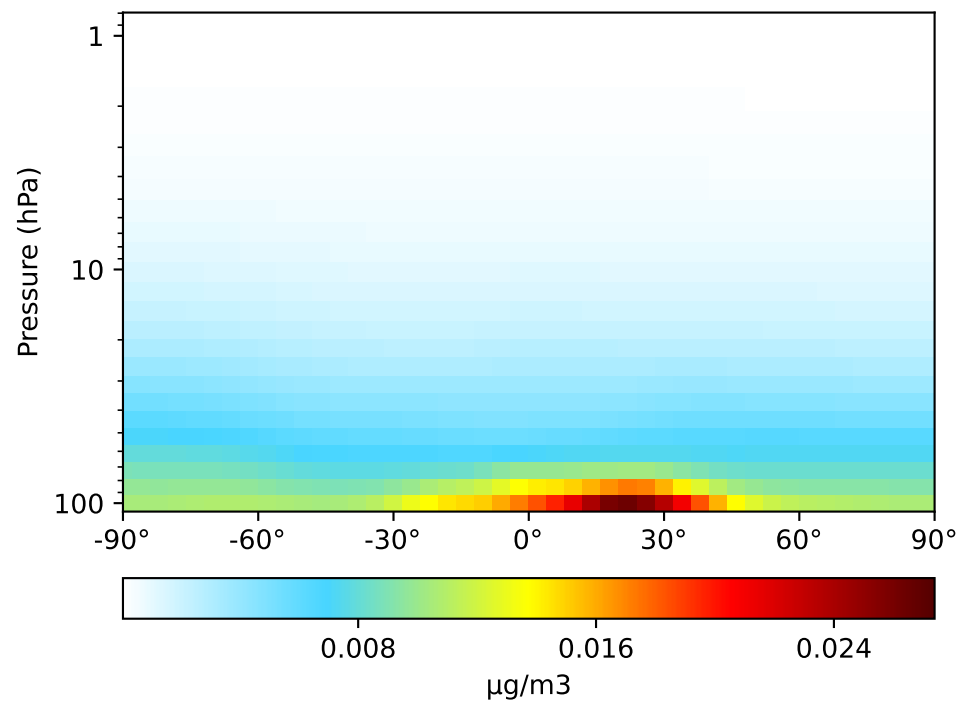


# SpeciesConcVV\_Simple\_SOA, Zonal Mean

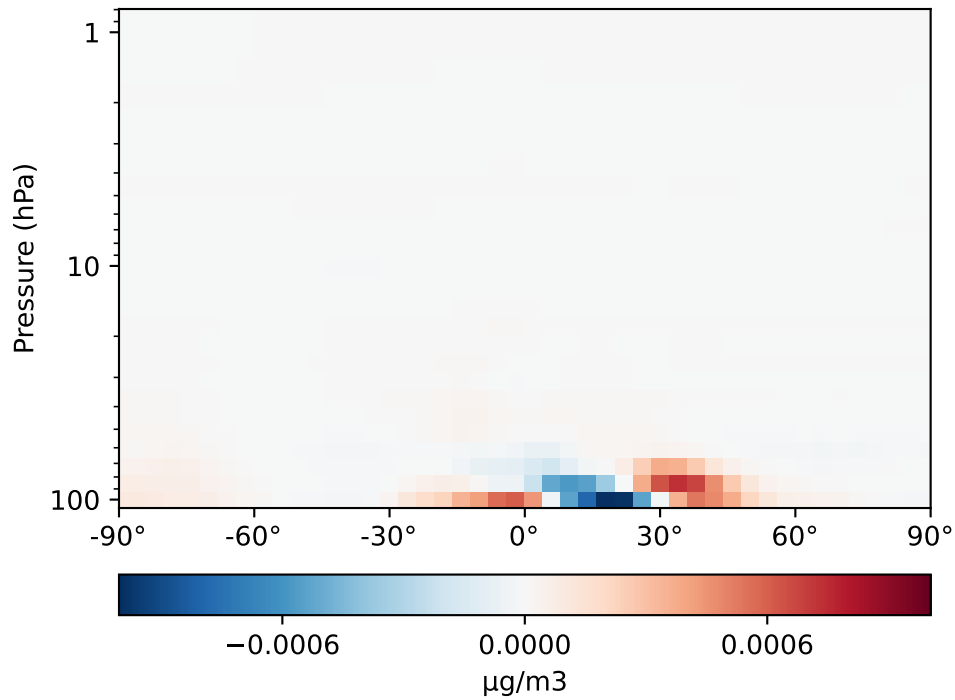
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



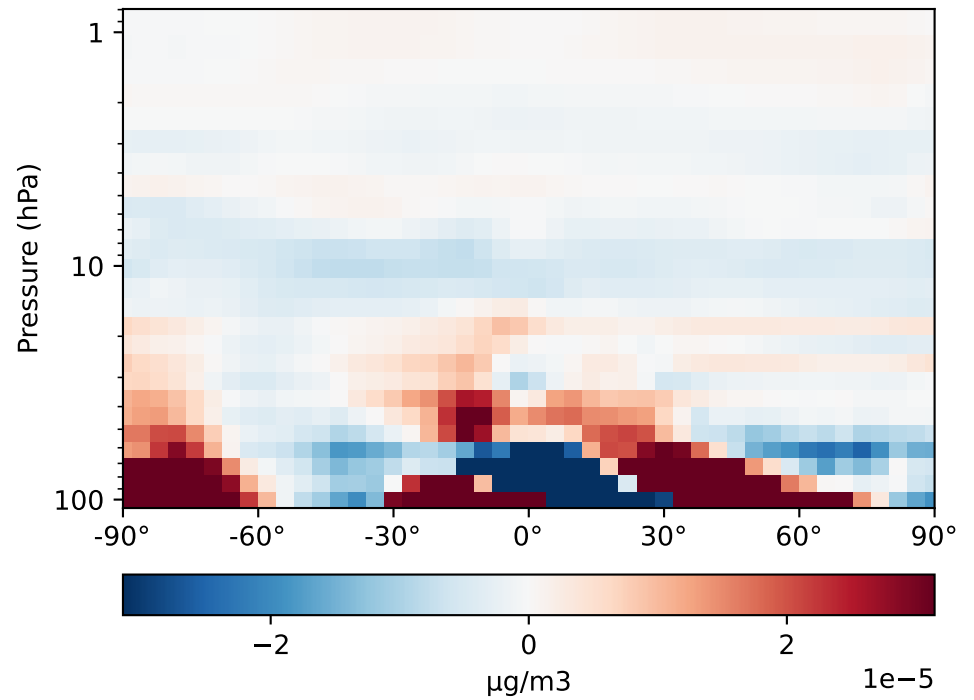
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



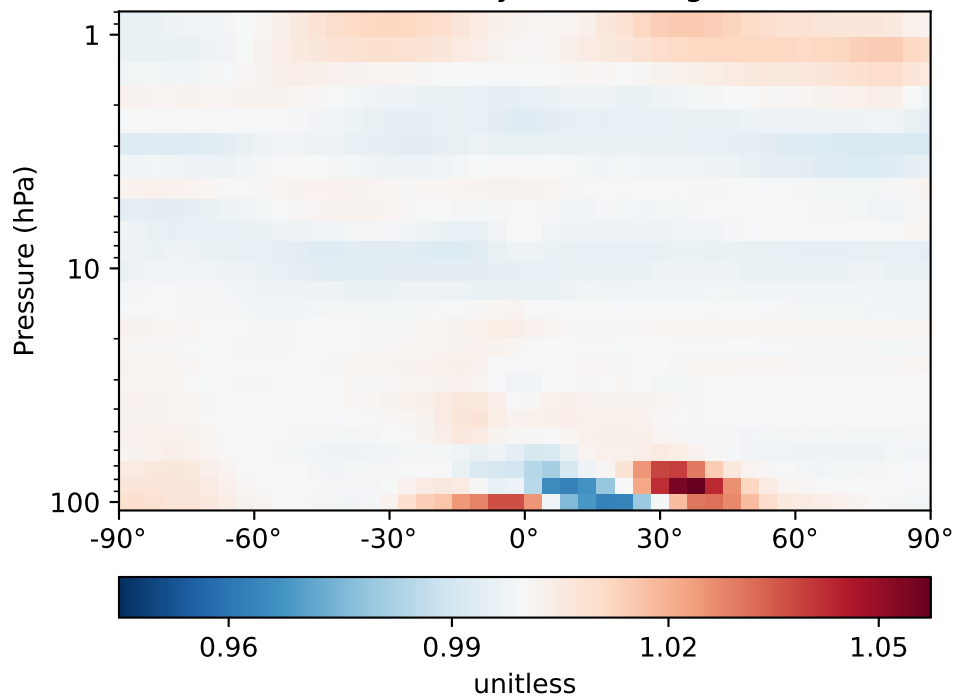
Difference  
Dev - Ref, Dynamic Range



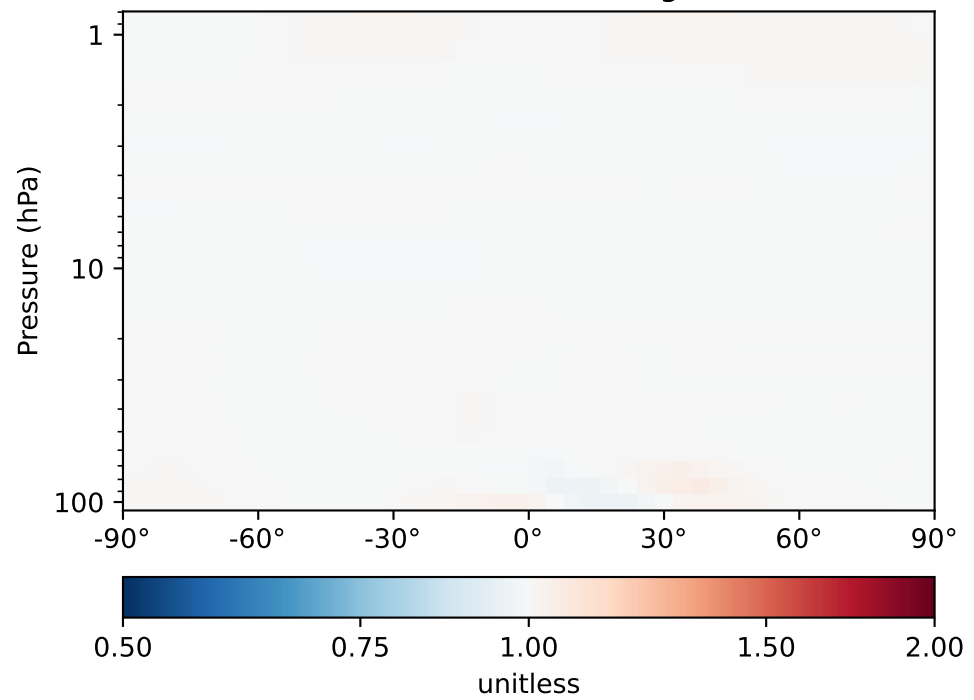
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

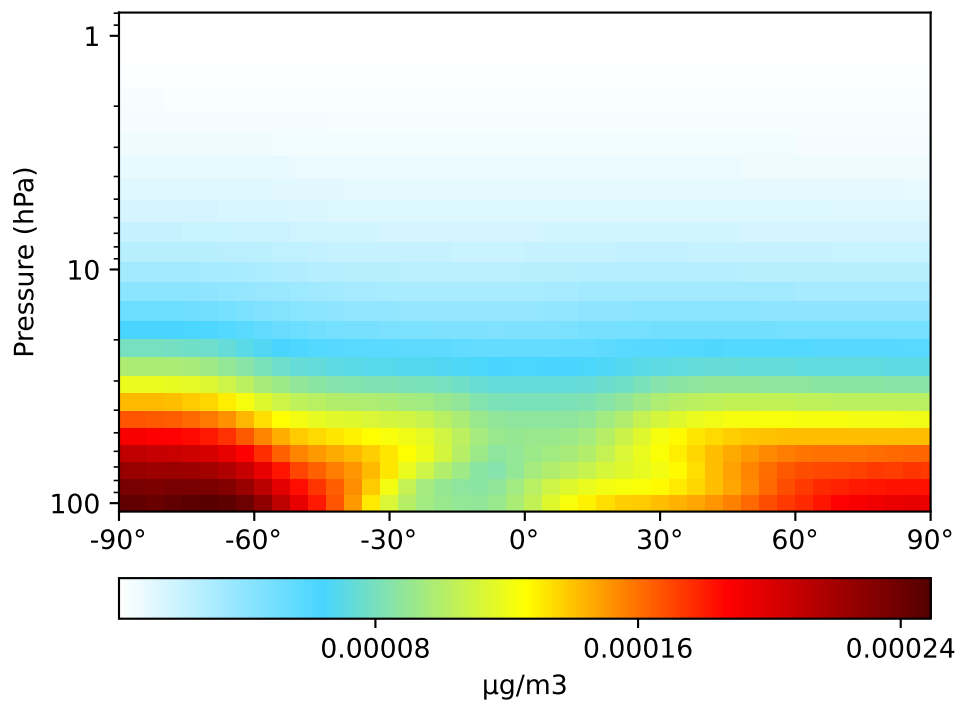


Ratio  
Dev/Ref, Fixed Range

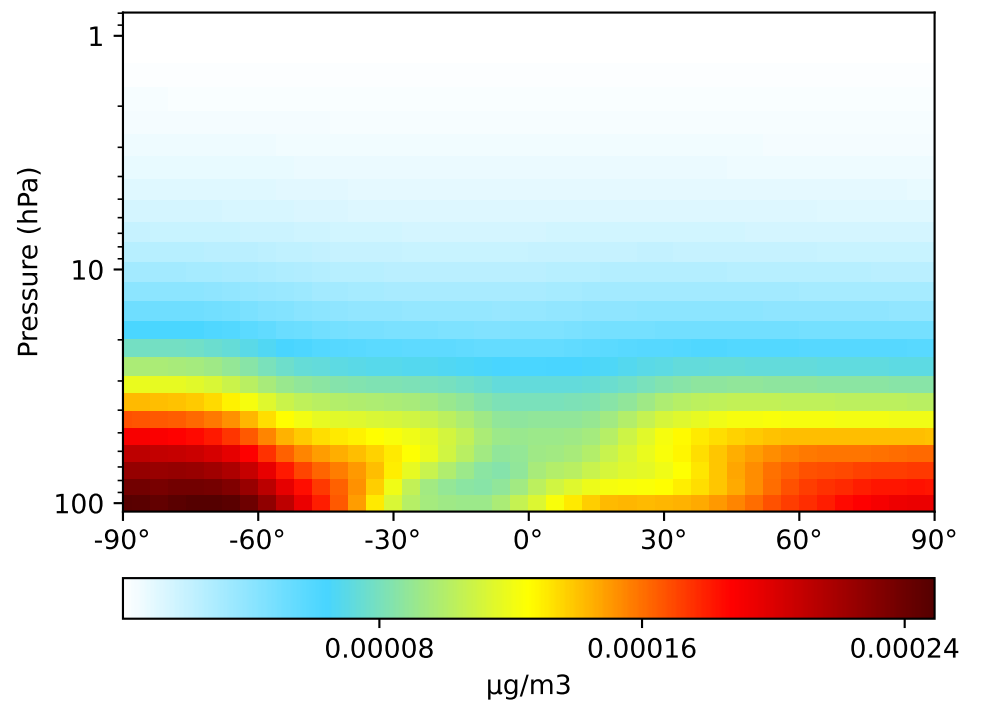


# SpeciesConcVV\_AERI, Zonal Mean

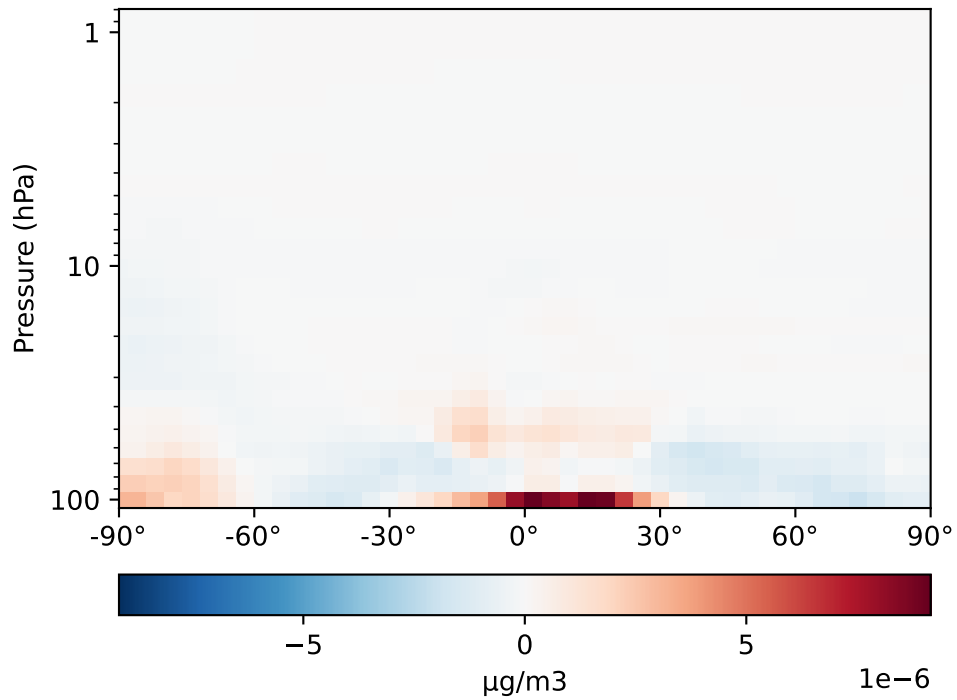
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



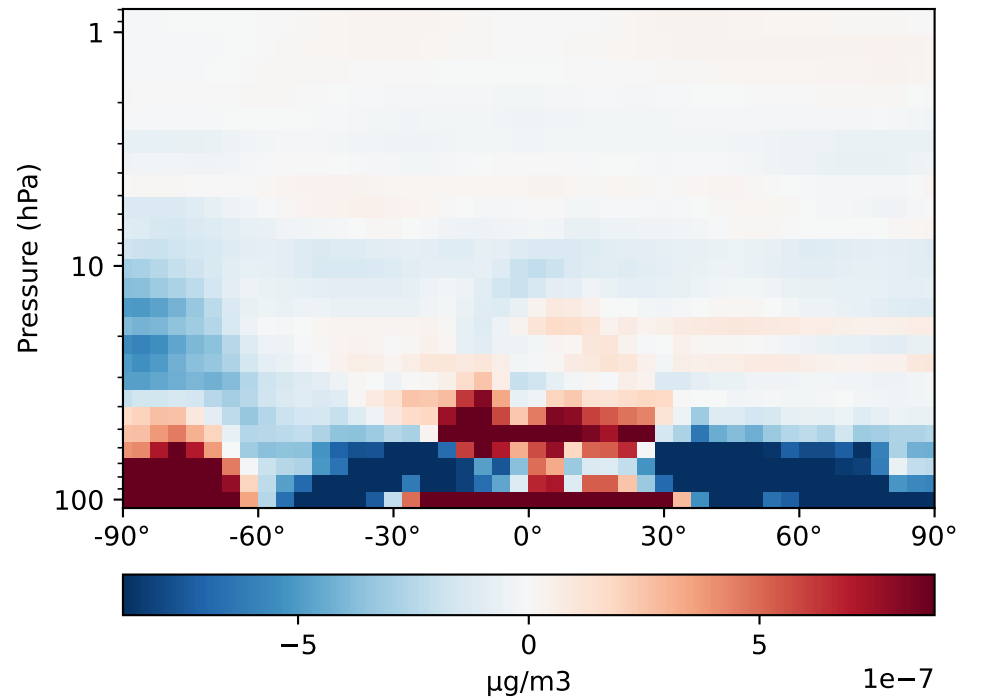
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



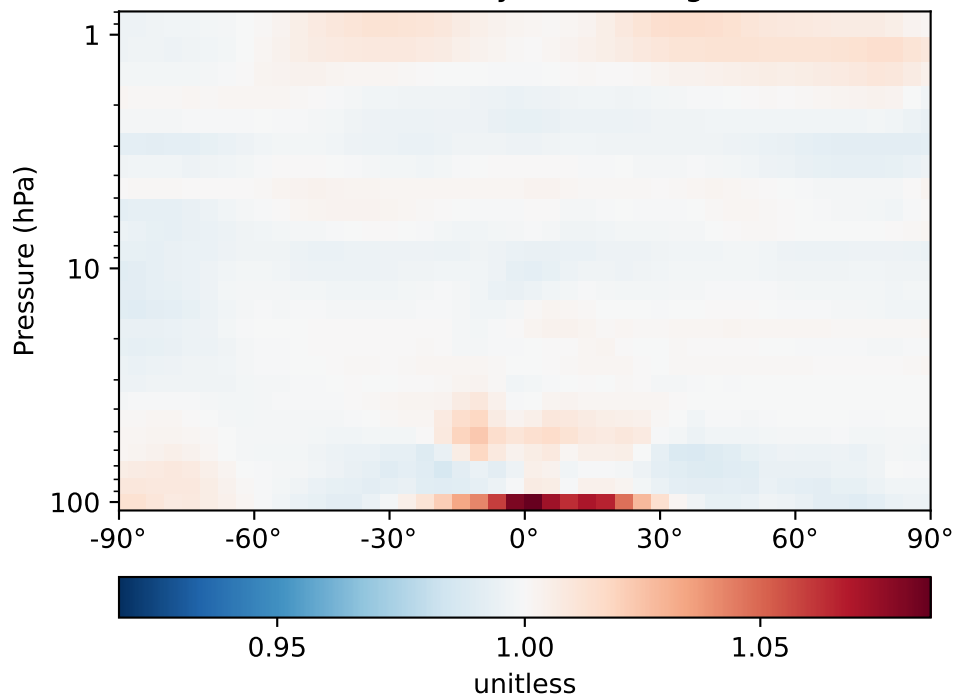
Difference  
Dev - Ref, Dynamic Range



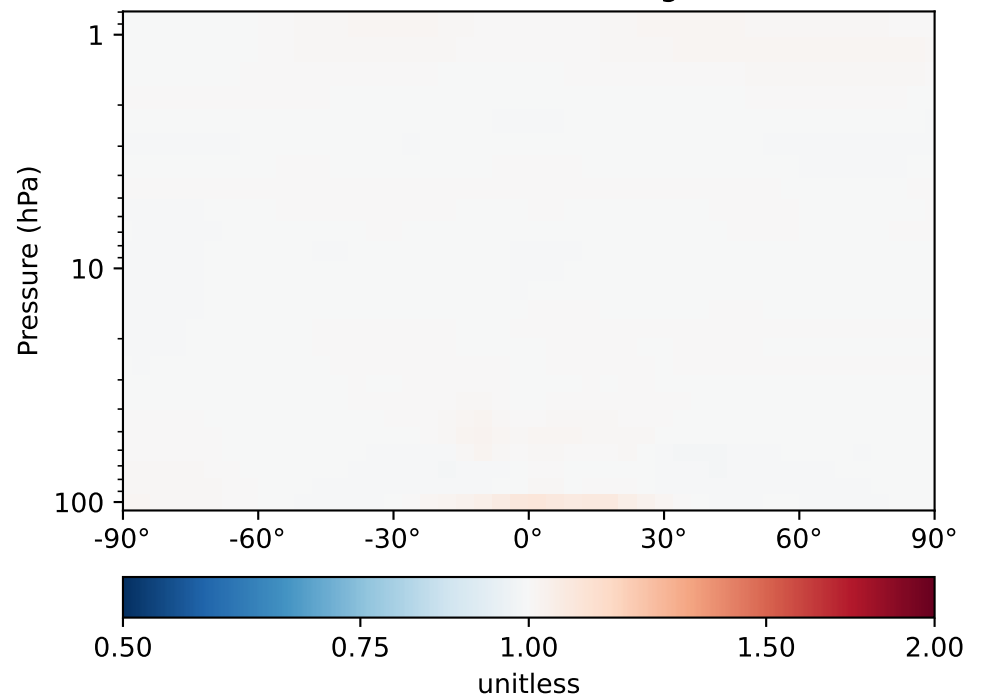
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

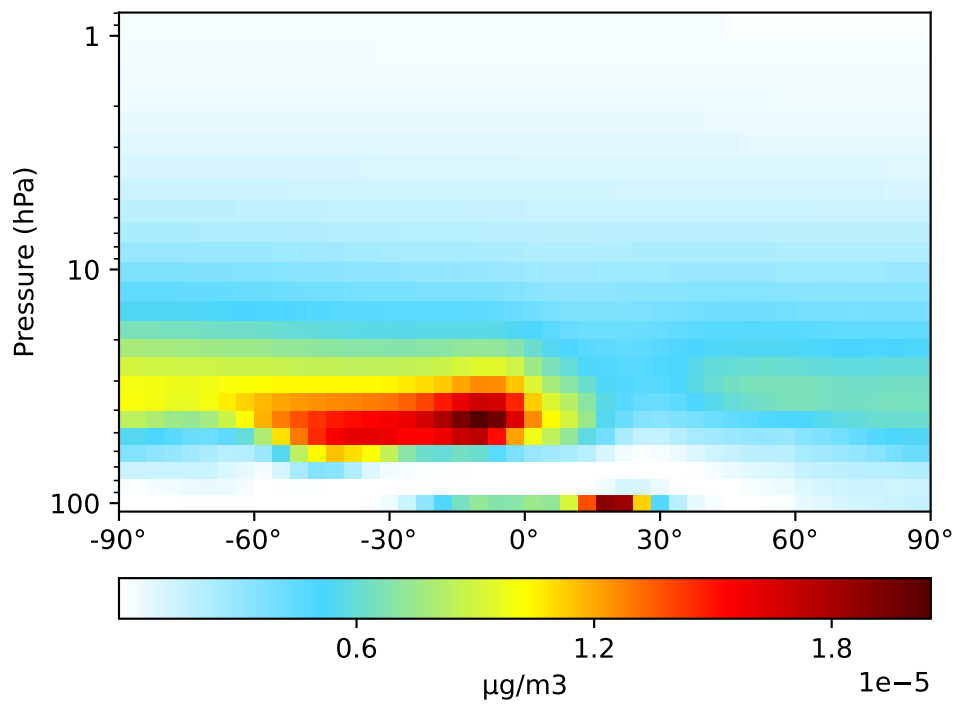


Ratio  
Dev/Ref, Fixed Range

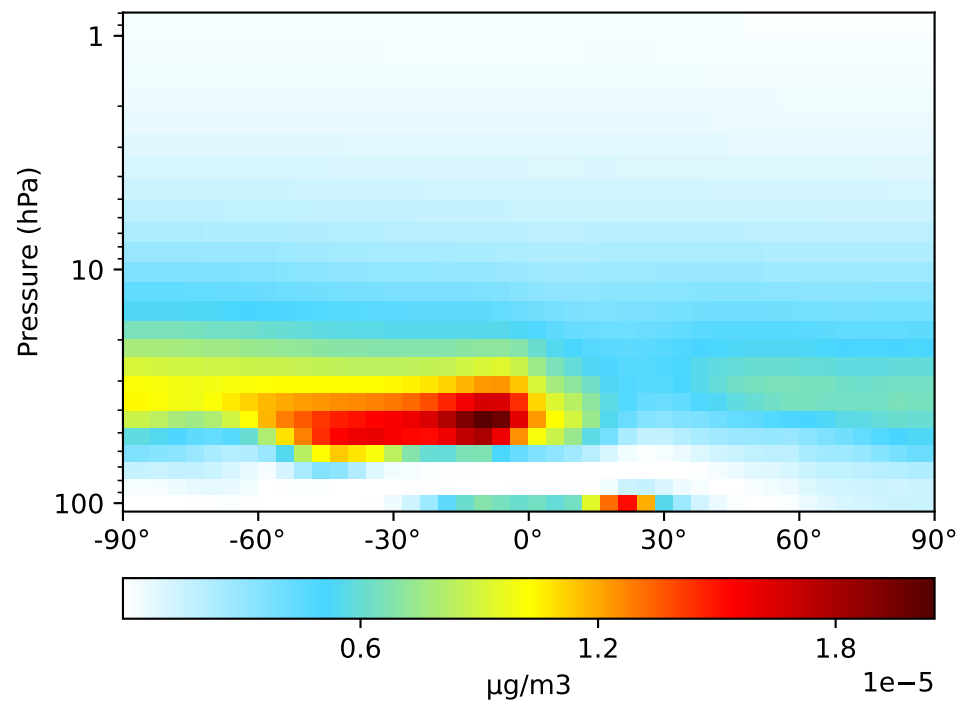


# SpeciesConcVV\_BrSALA, Zonal Mean

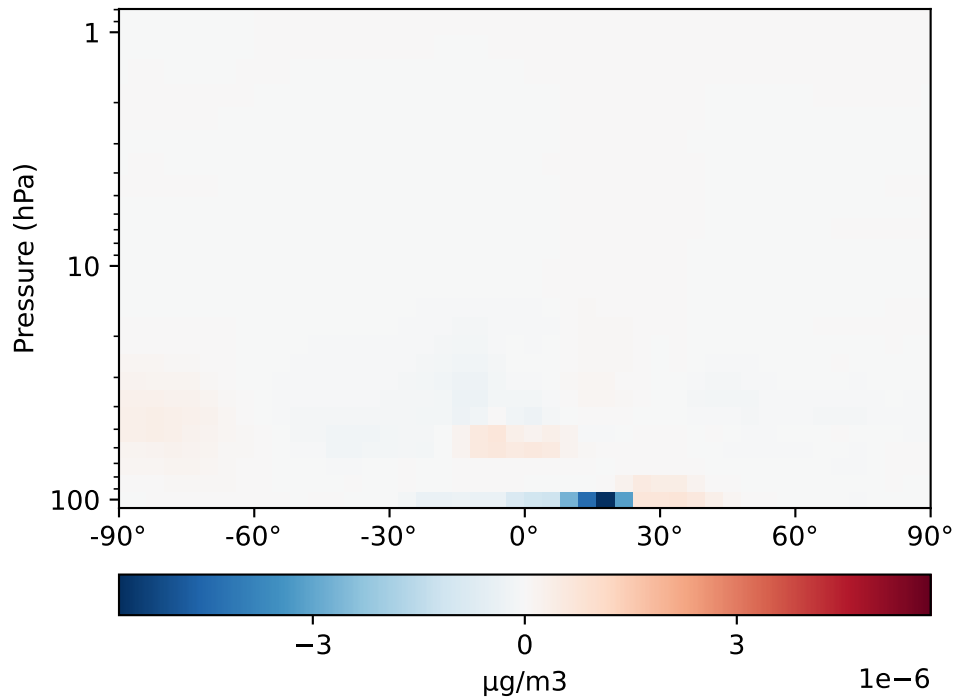
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



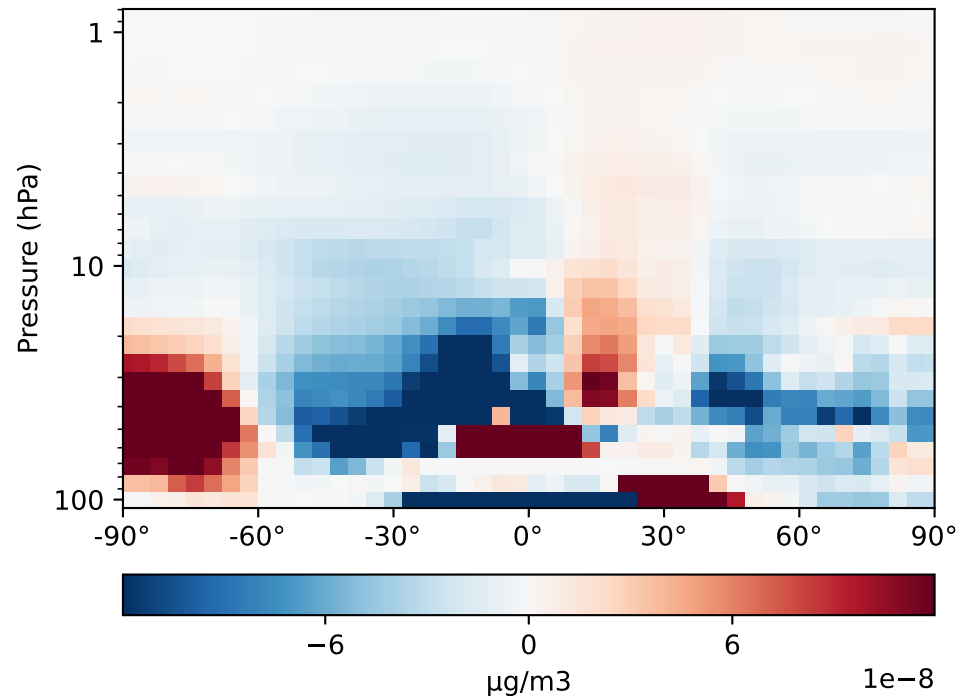
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



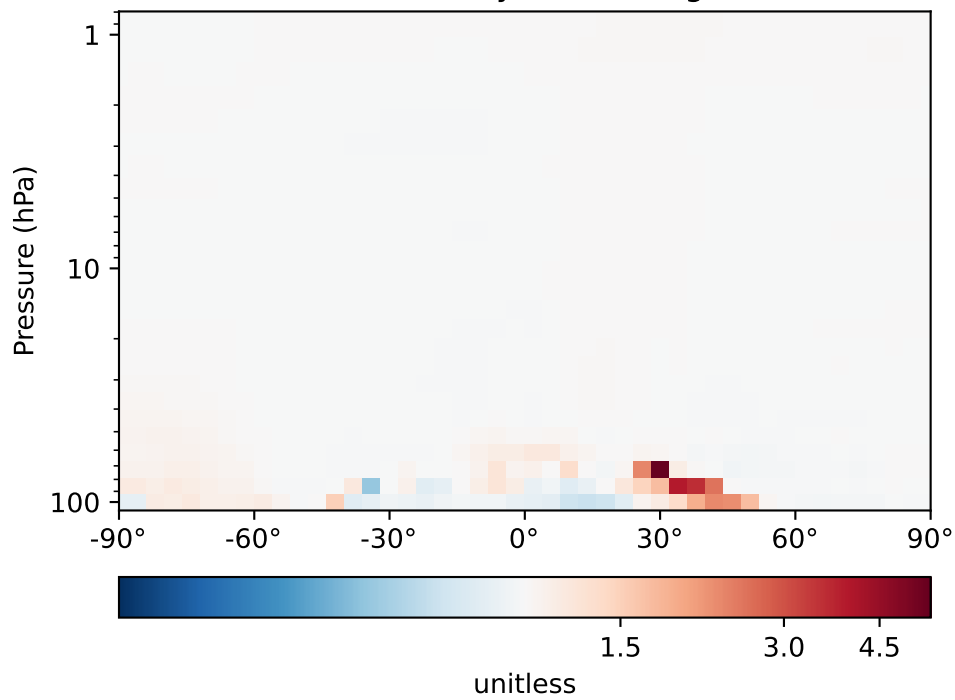
Difference  
Dev - Ref, Dynamic Range



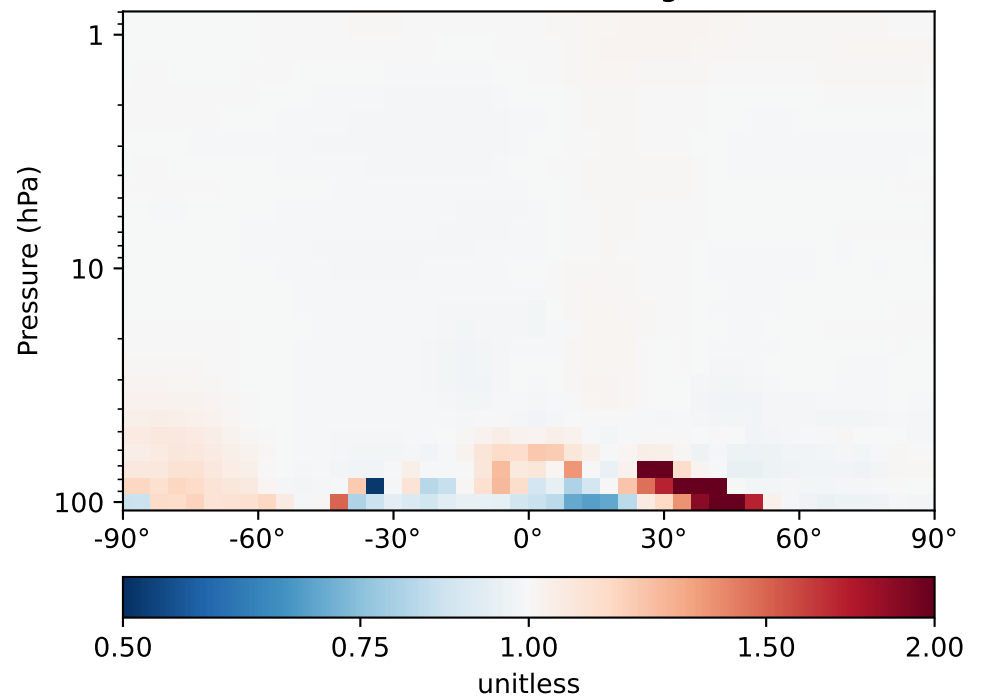
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



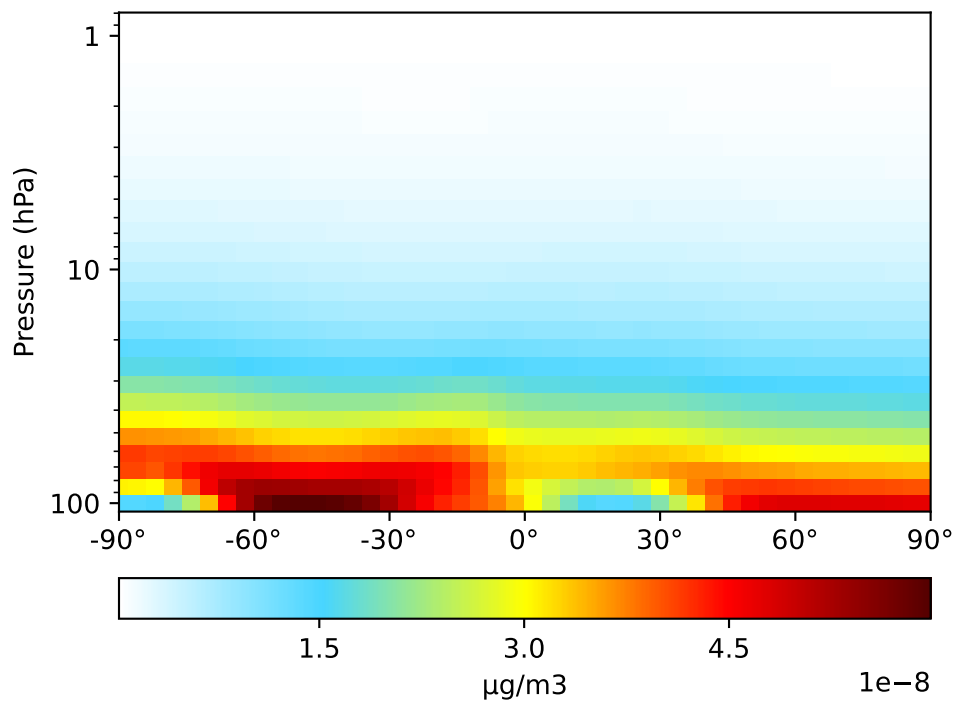
Ratio  
Dev/Ref, Fixed Range



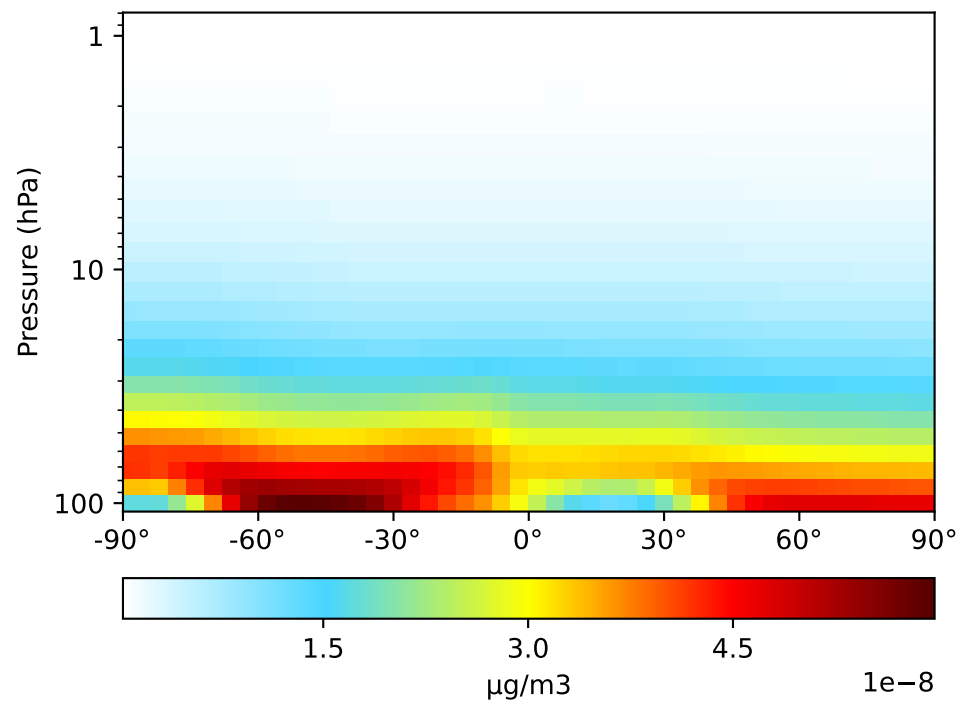


# SpeciesConcVV\_BrSALC, Zonal Mean

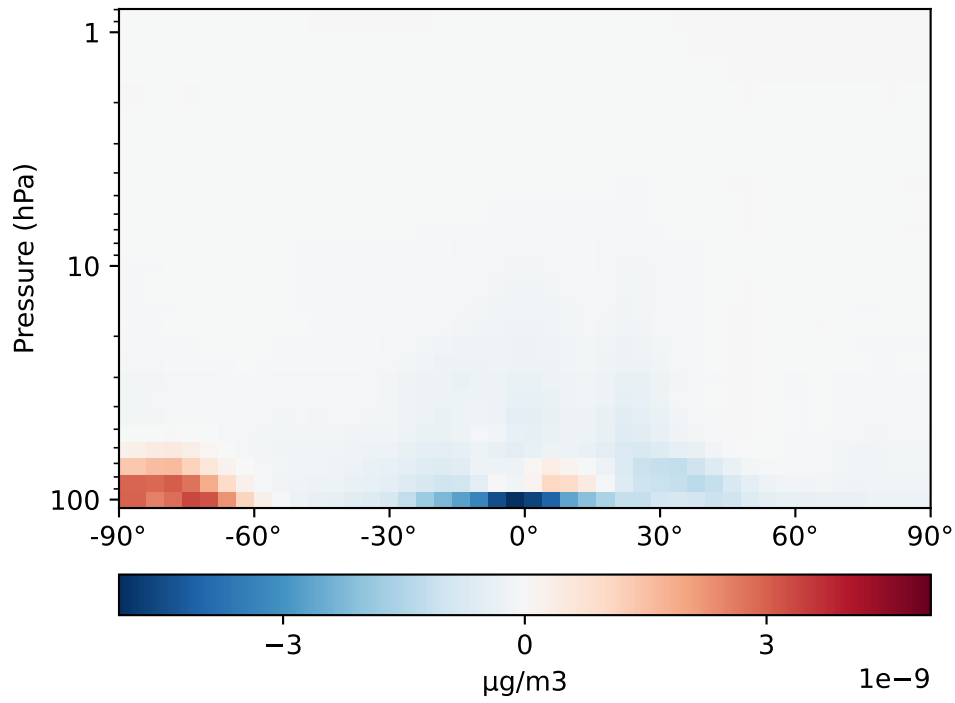
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



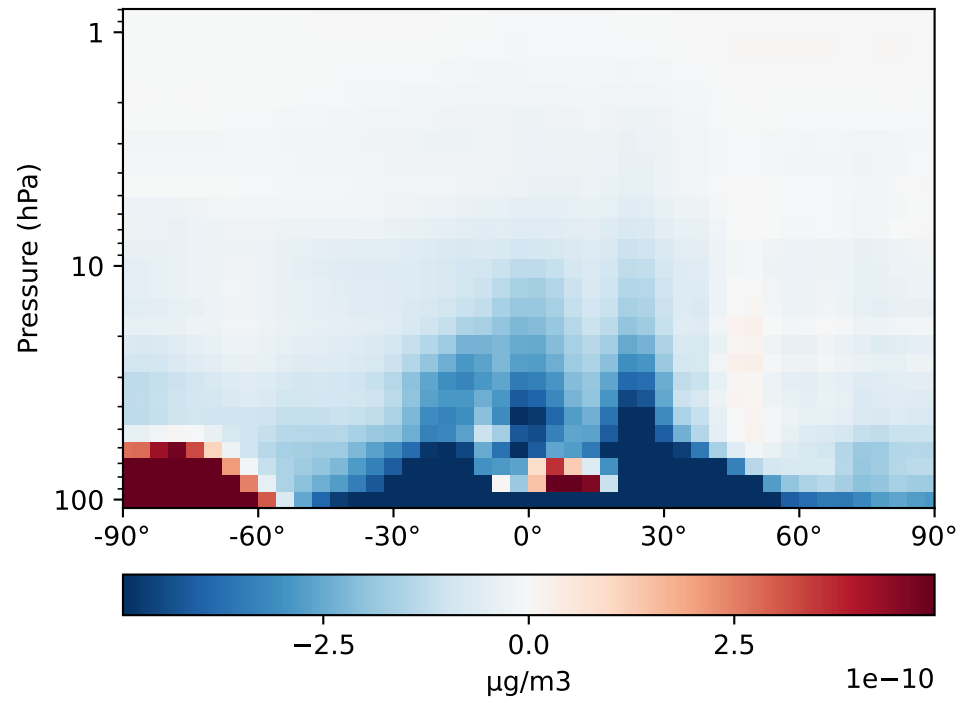
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



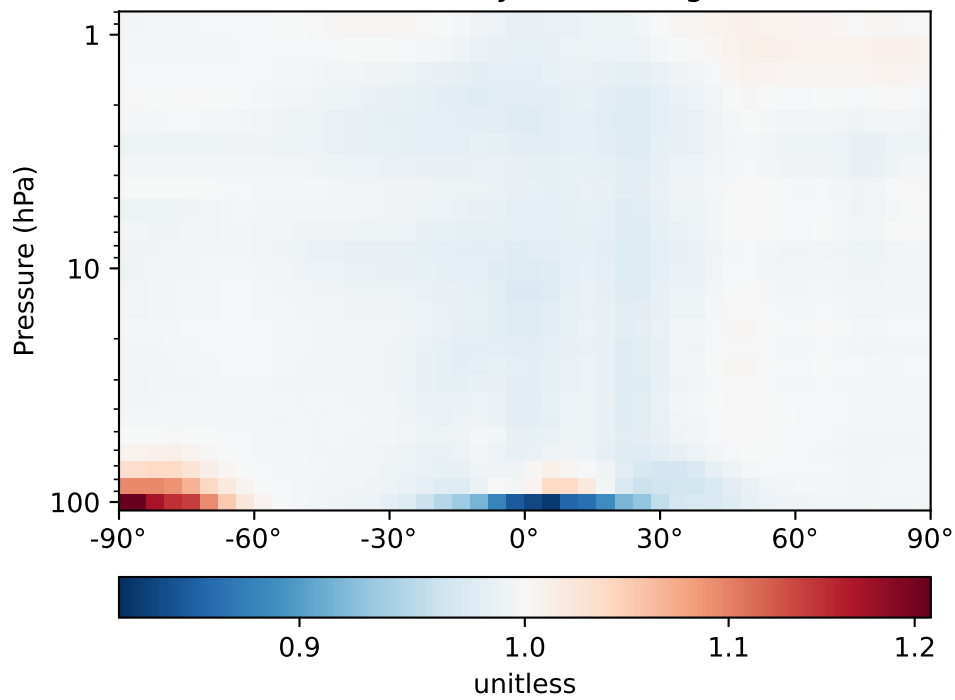
Difference  
Dev - Ref, Dynamic Range



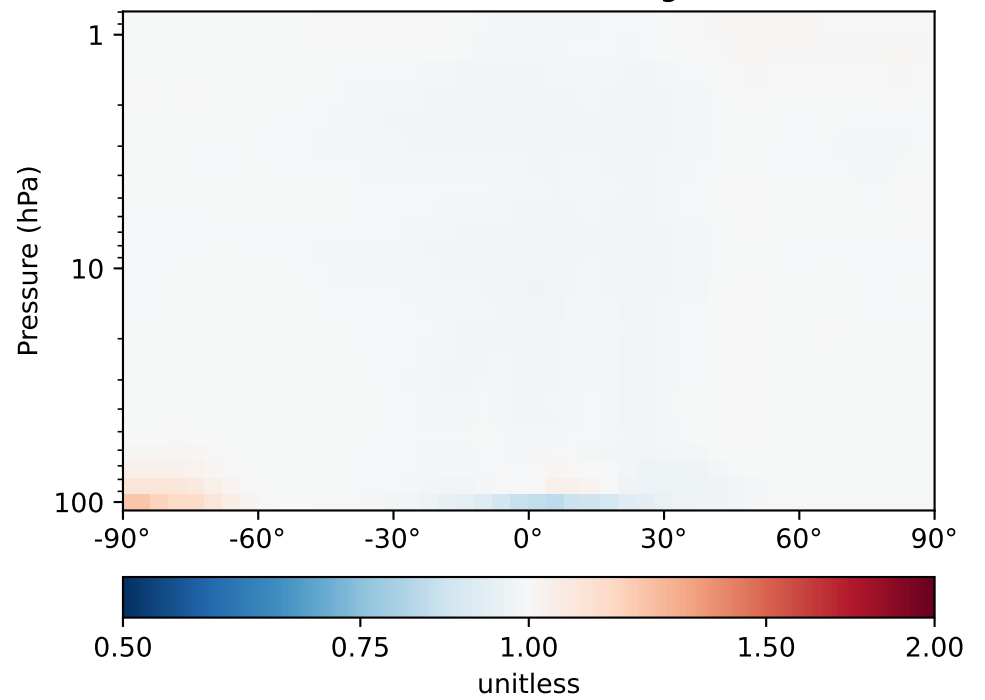
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

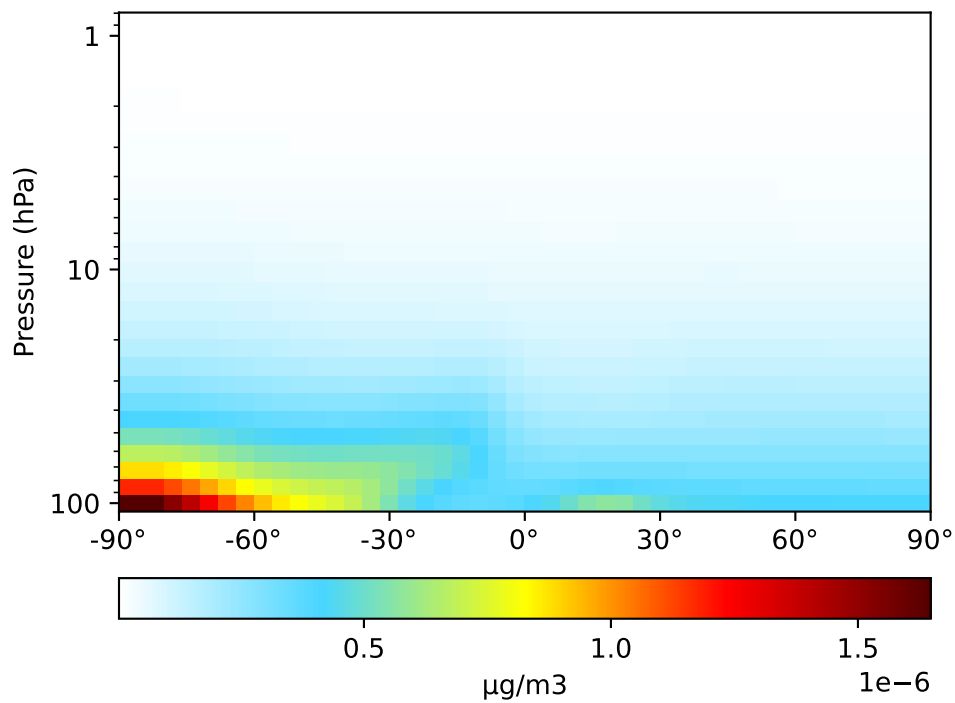


Ratio  
Dev/Ref, Fixed Range

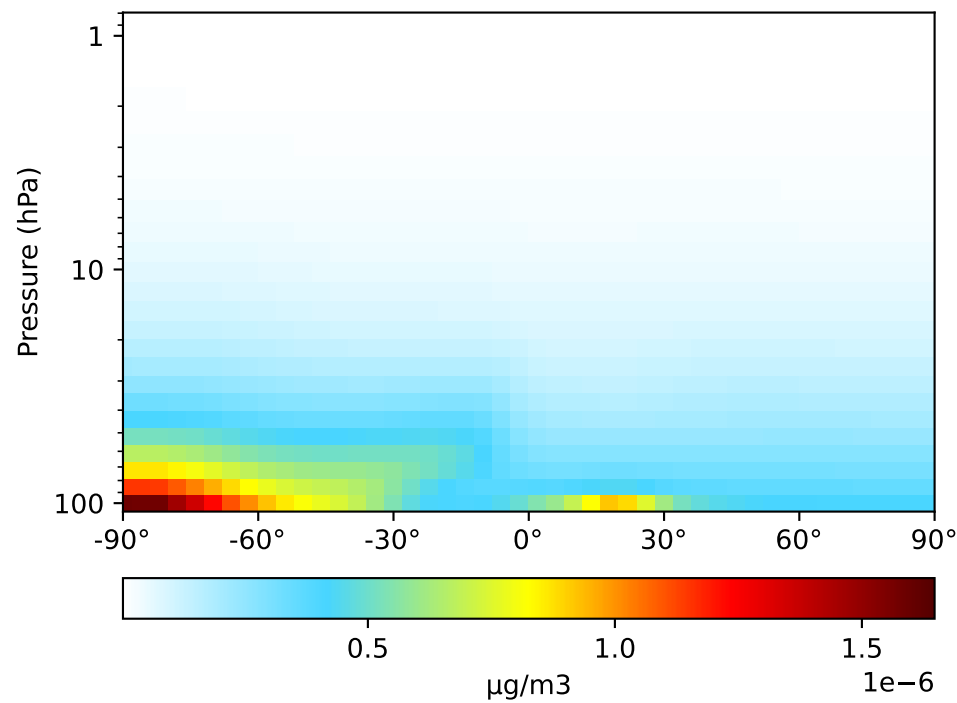


# SpeciesConcVV\_ISALA, Zonal Mean

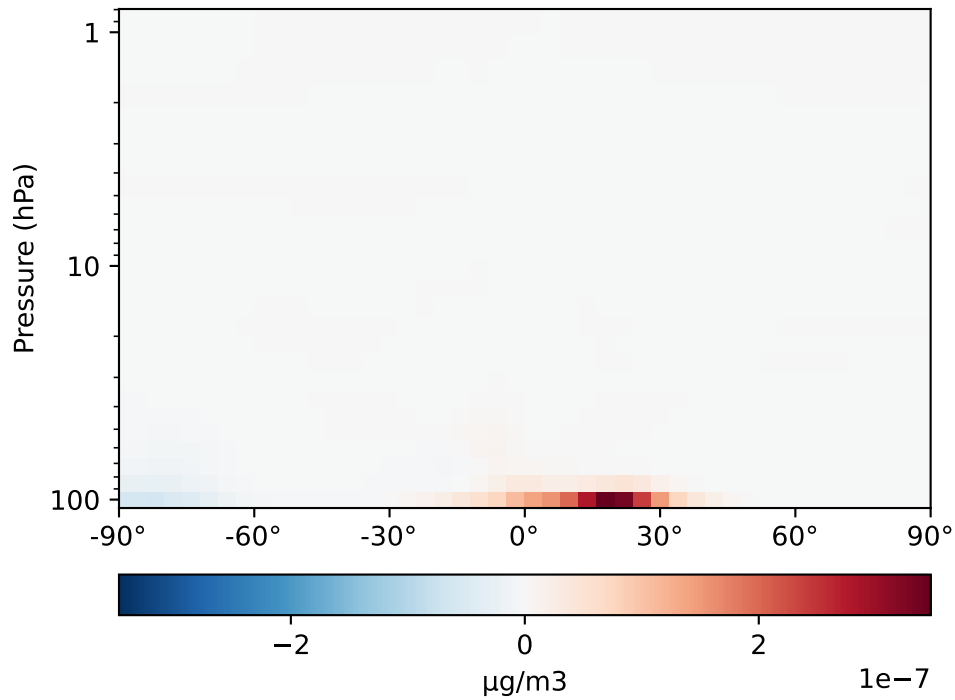
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



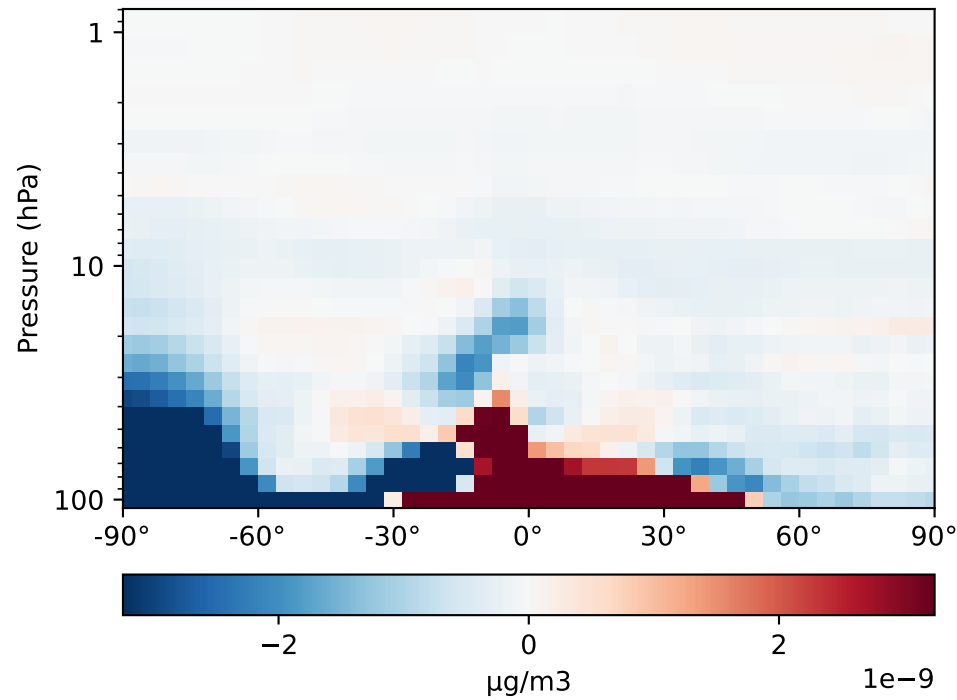
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



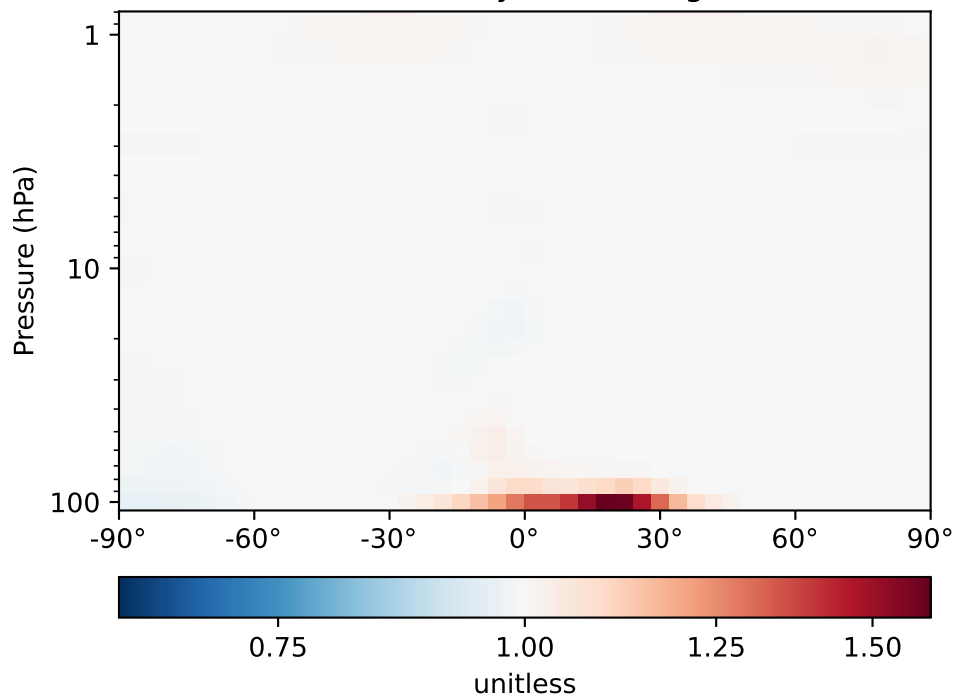
Difference  
Dev - Ref, Dynamic Range



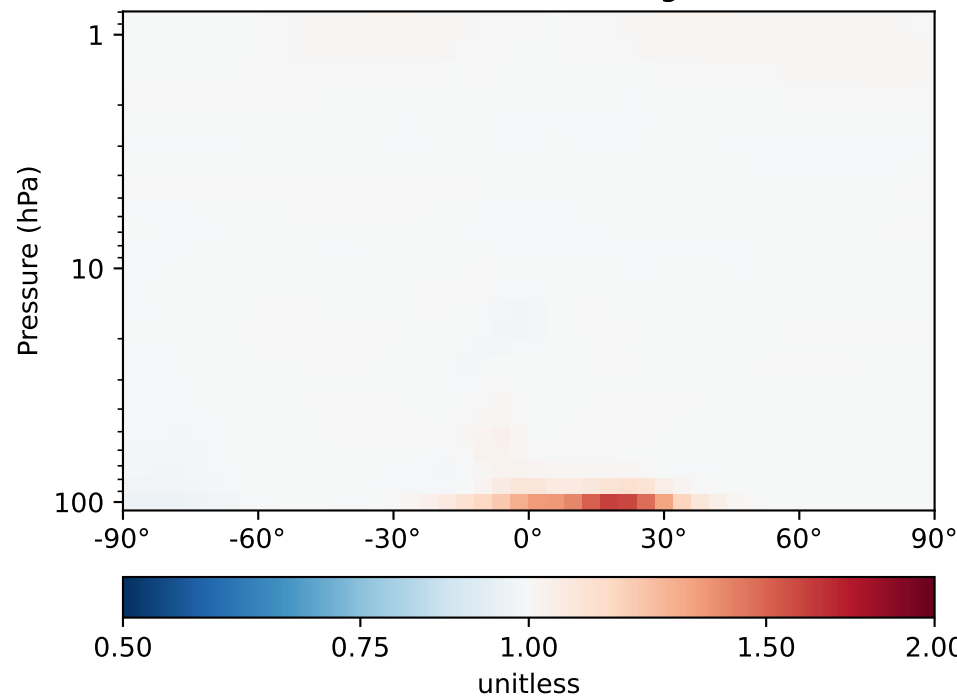
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

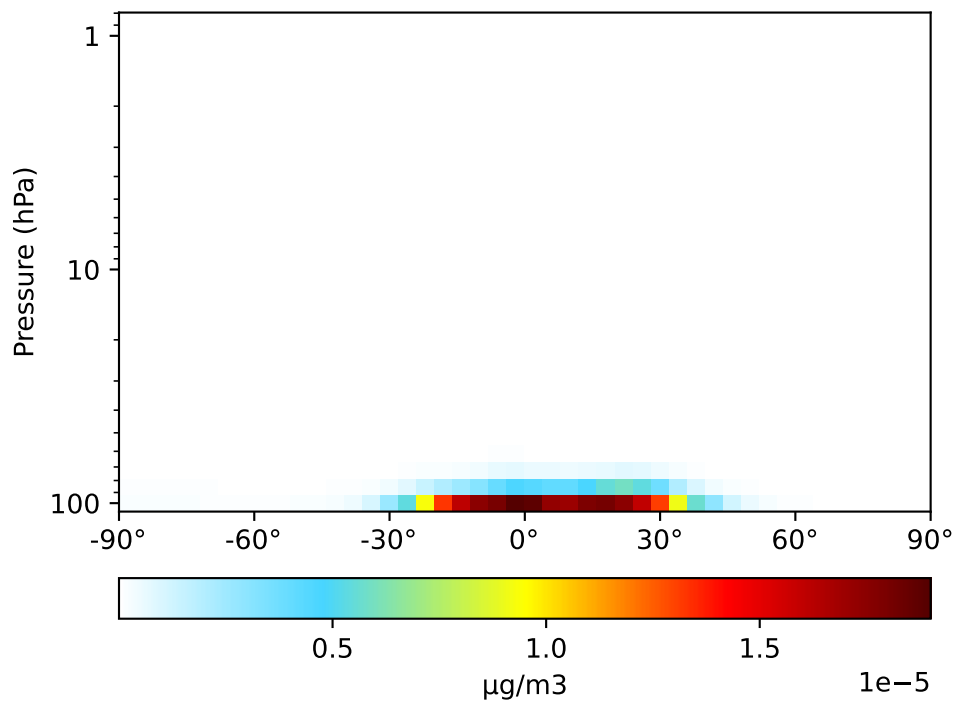


Ratio  
Dev/Ref, Fixed Range

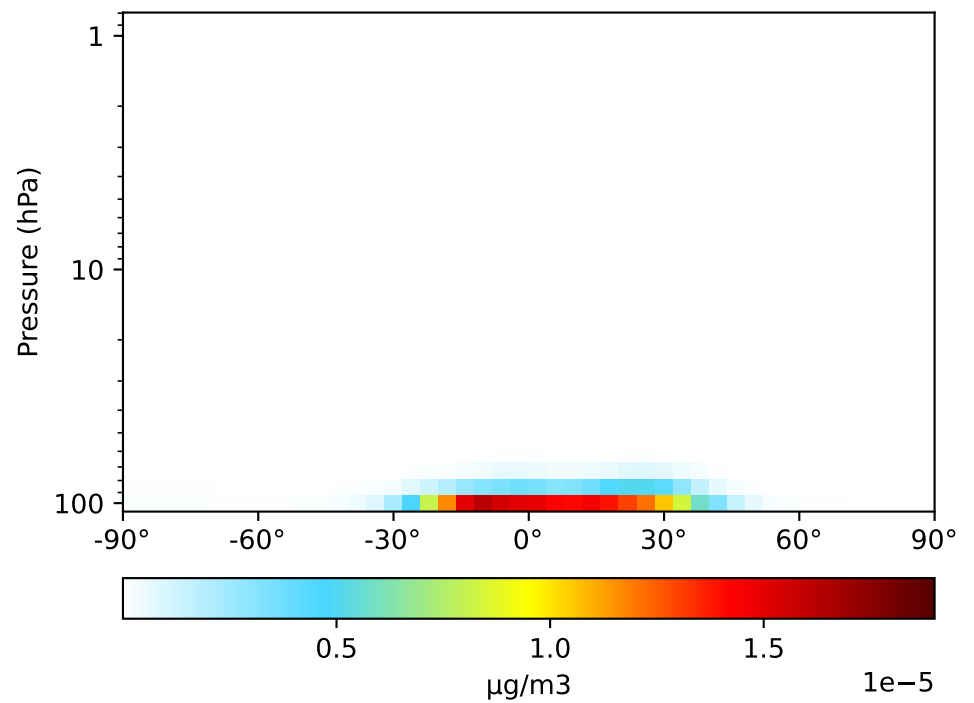


# SpeciesConcVV\_ISALC, Zonal Mean

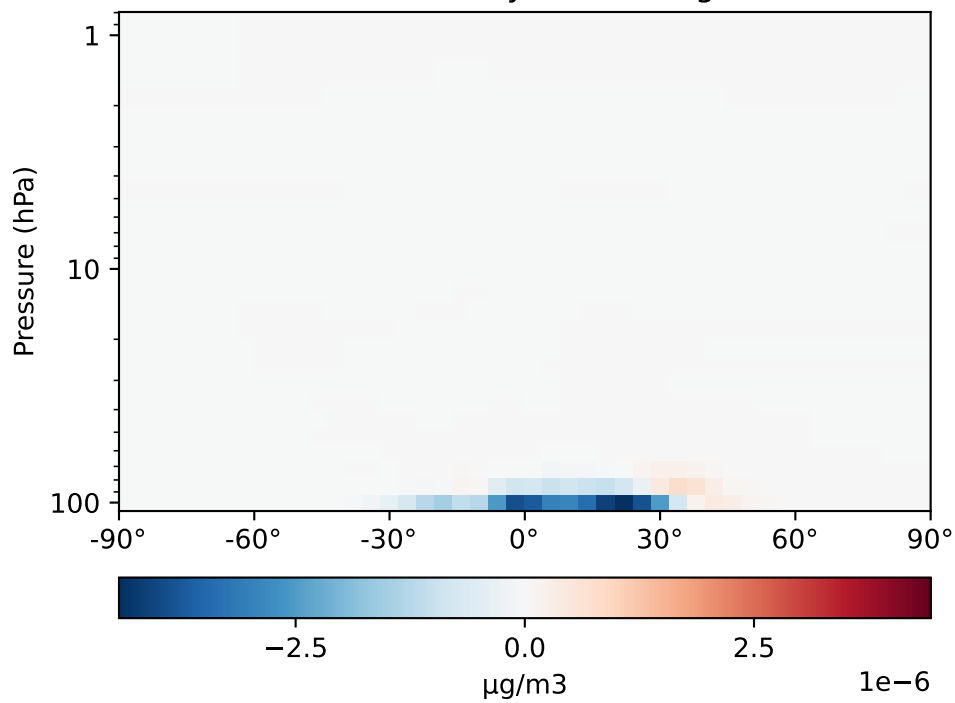
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



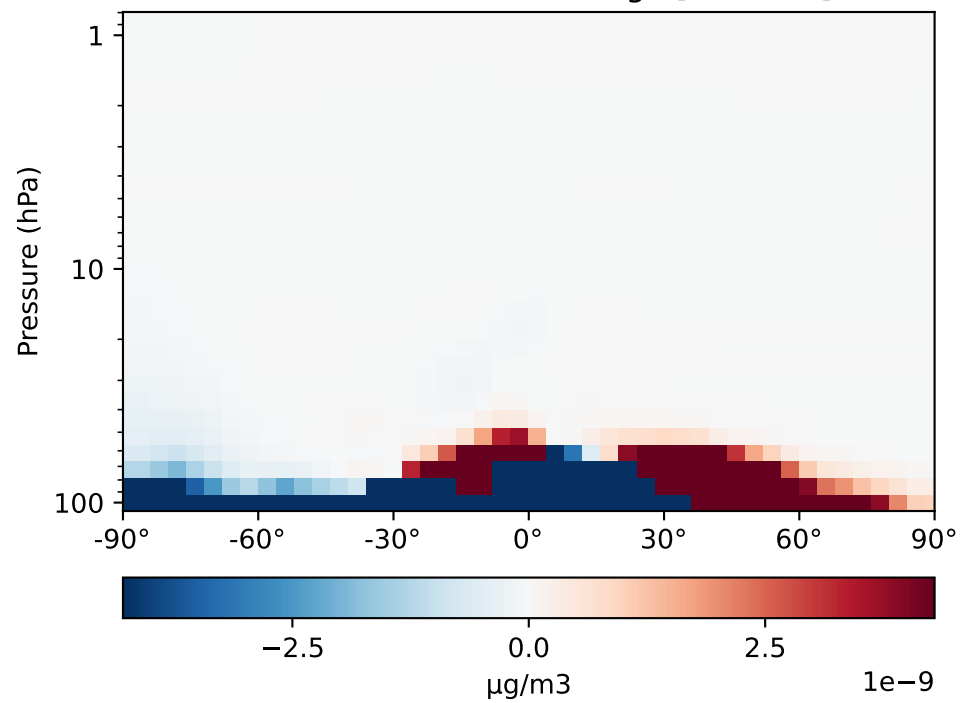
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



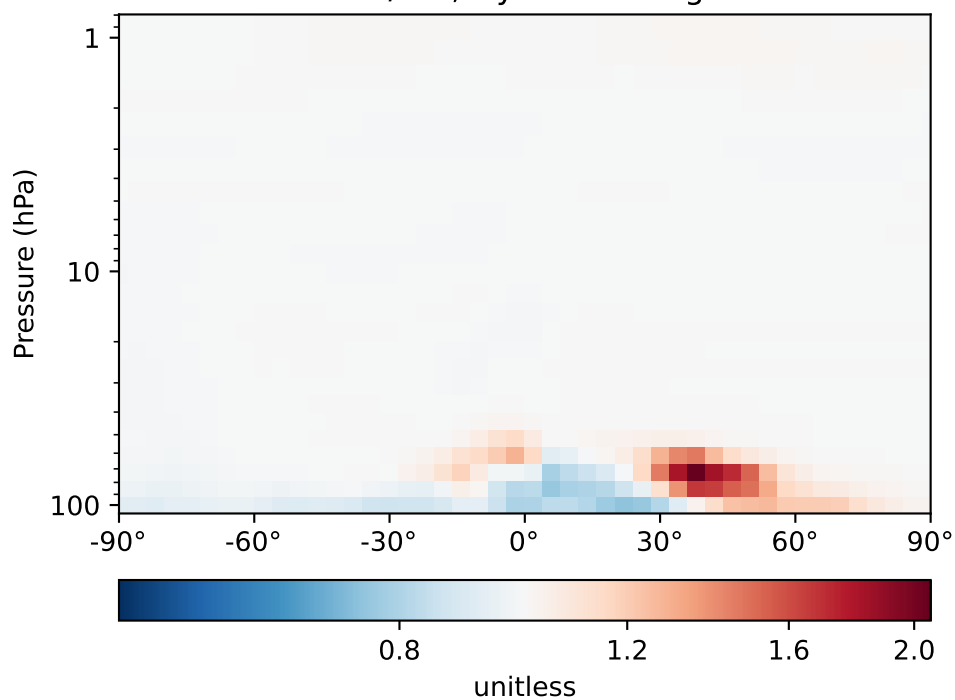
Difference  
Dev - Ref, Dynamic Range



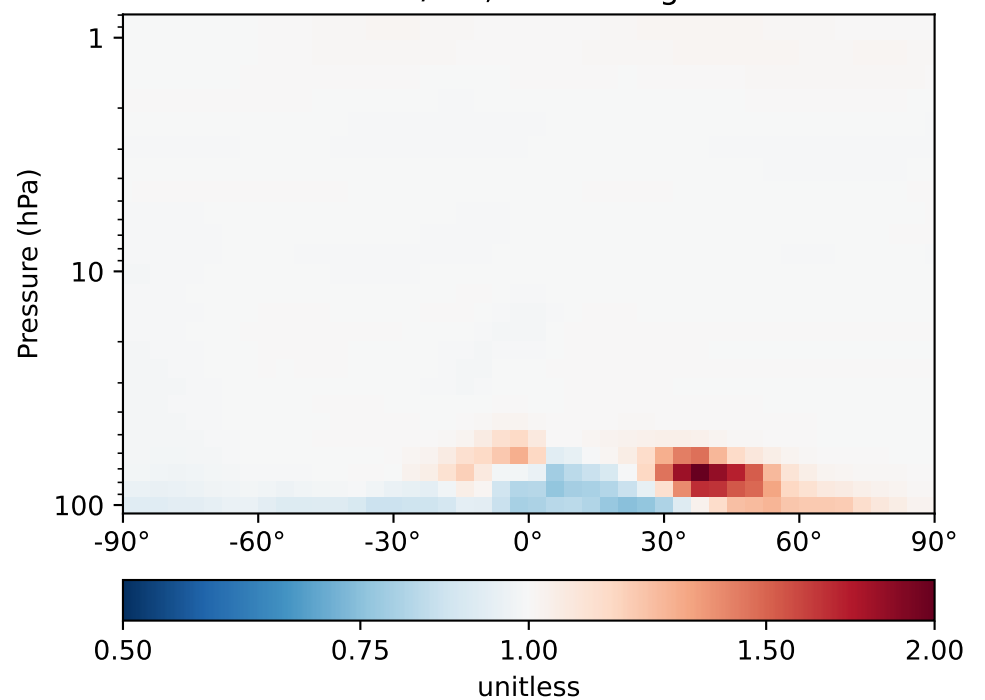
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

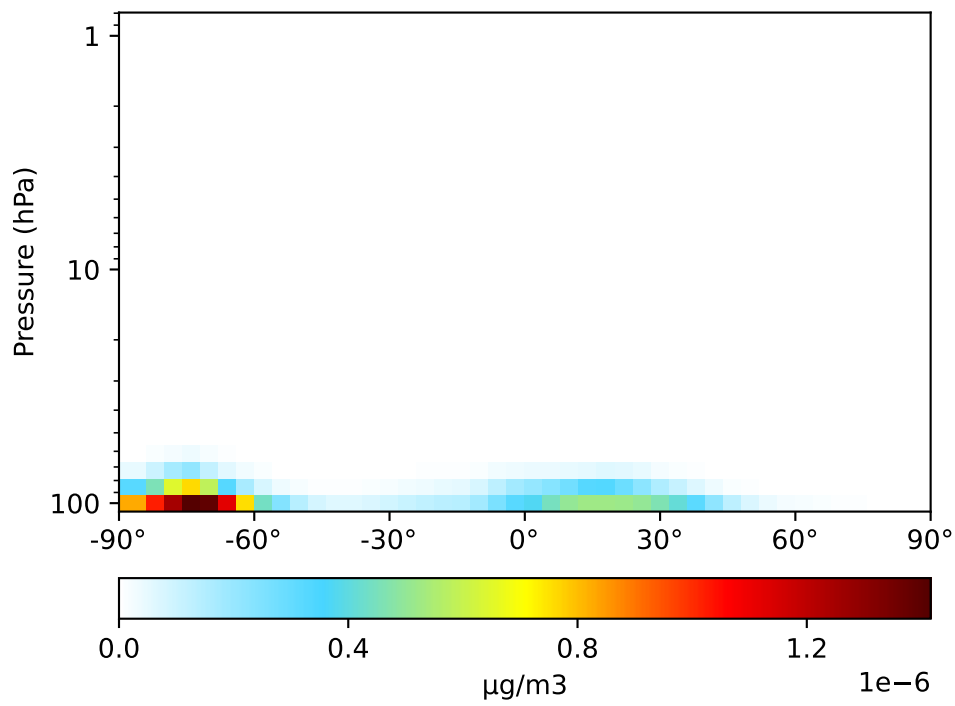


Ratio  
Dev/Ref, Fixed Range

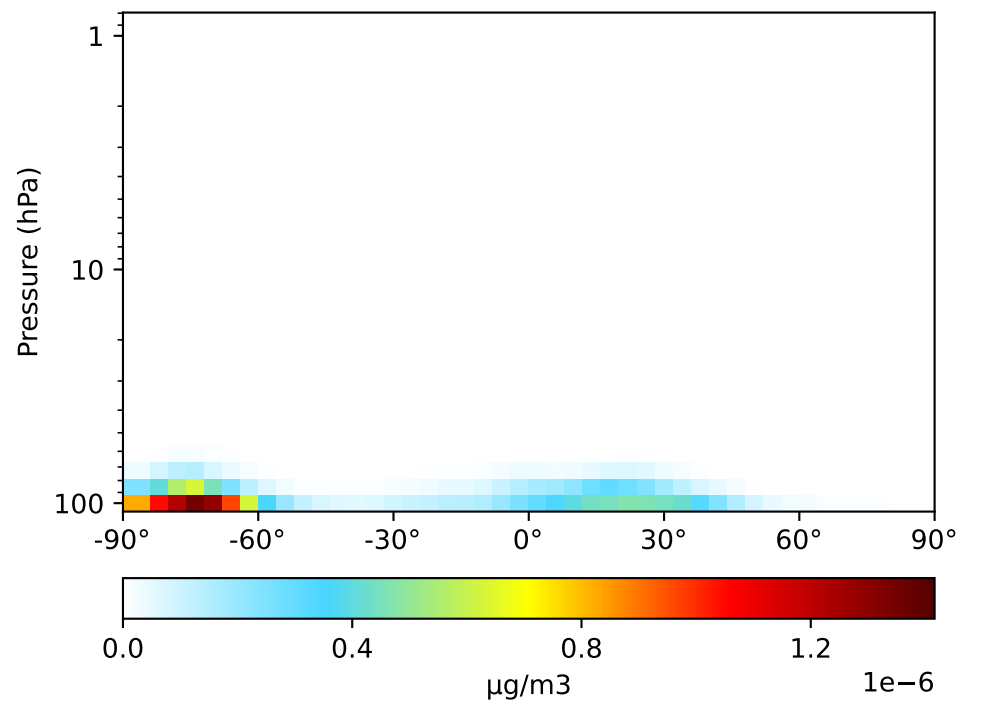


# SpeciesConcVV\_NITs, Zonal Mean

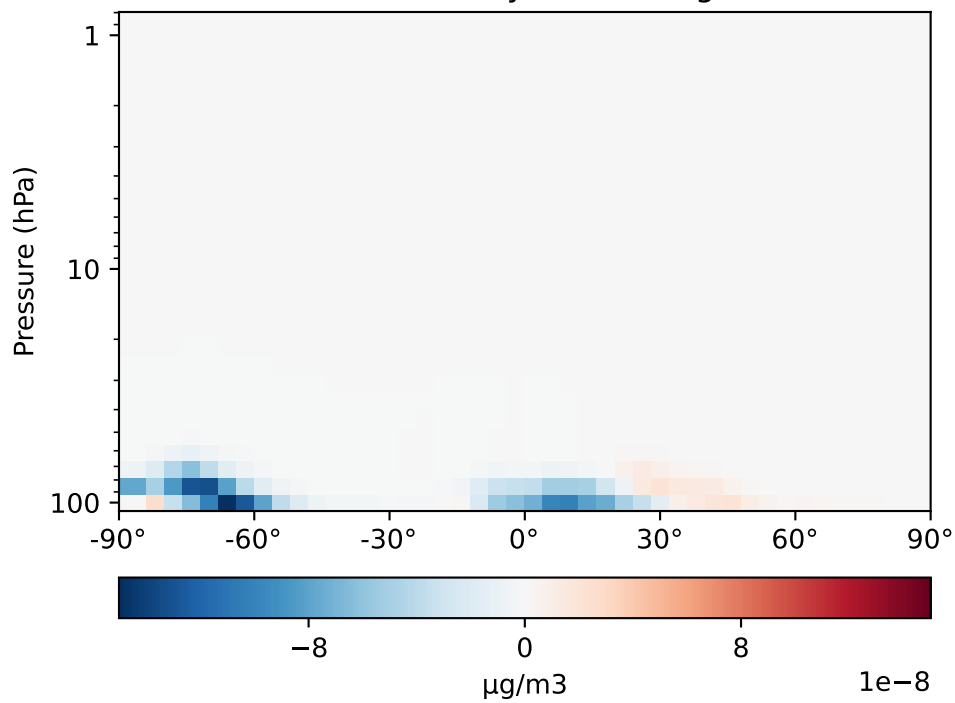
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



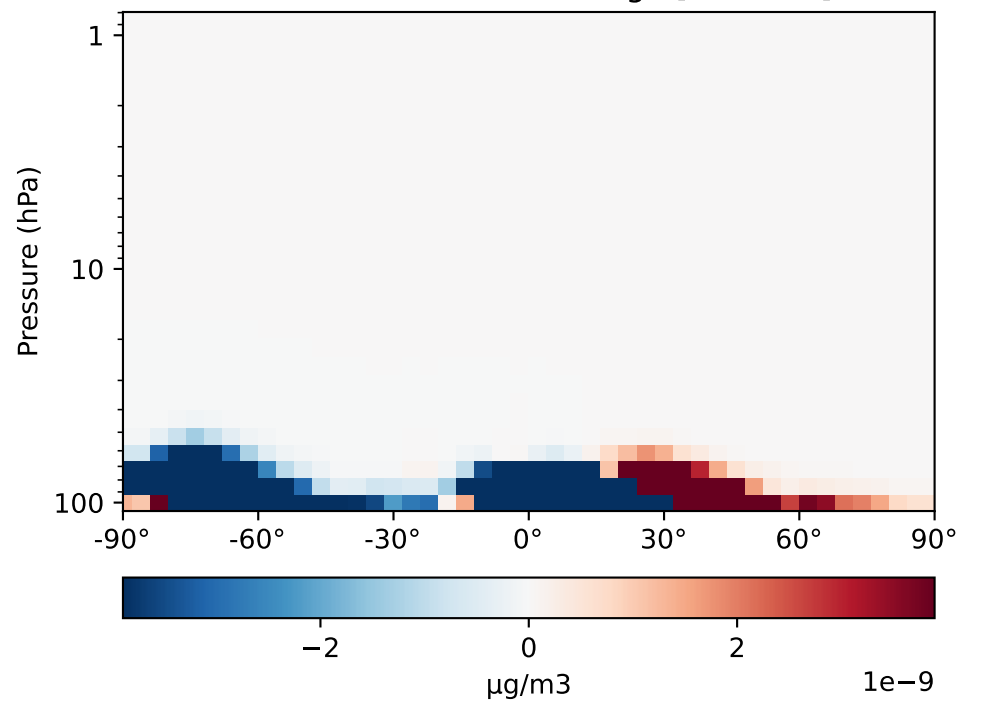
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



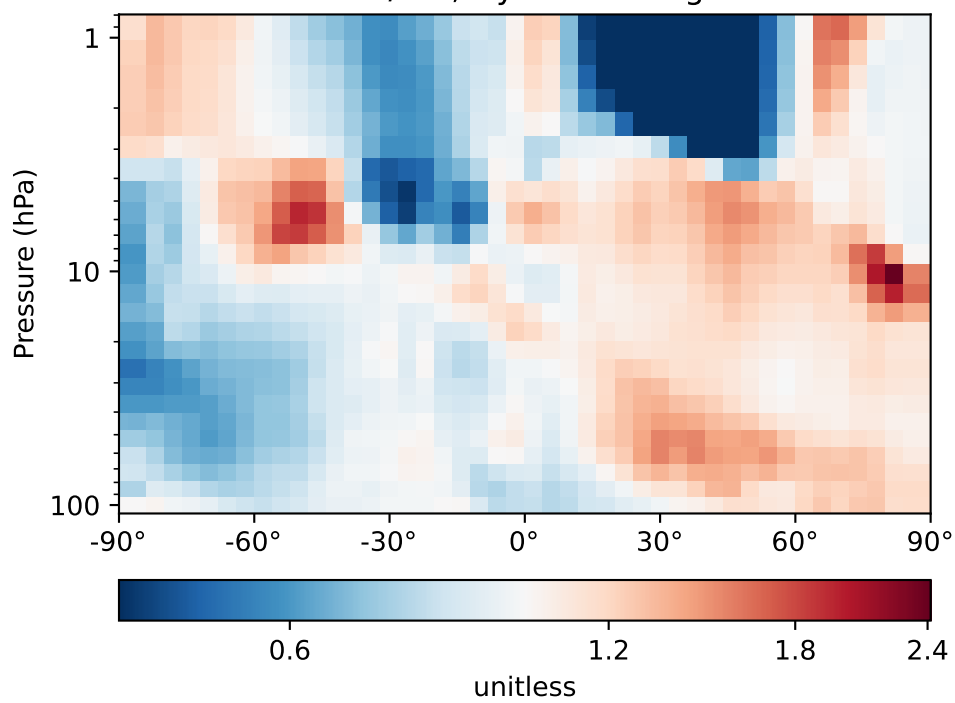
Difference  
Dev - Ref, Dynamic Range



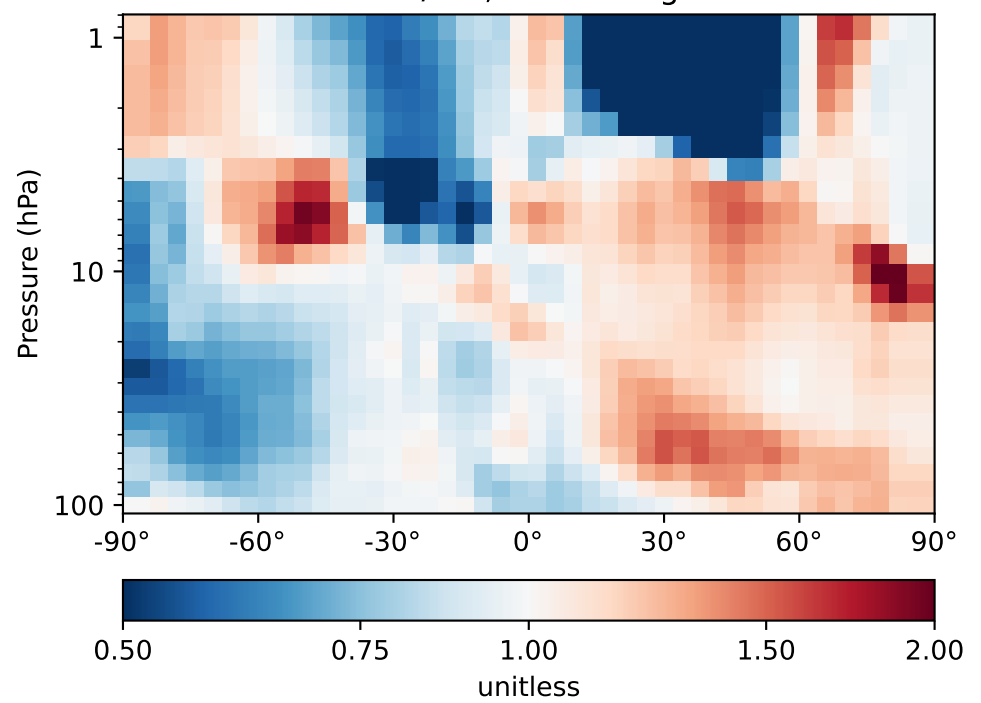
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

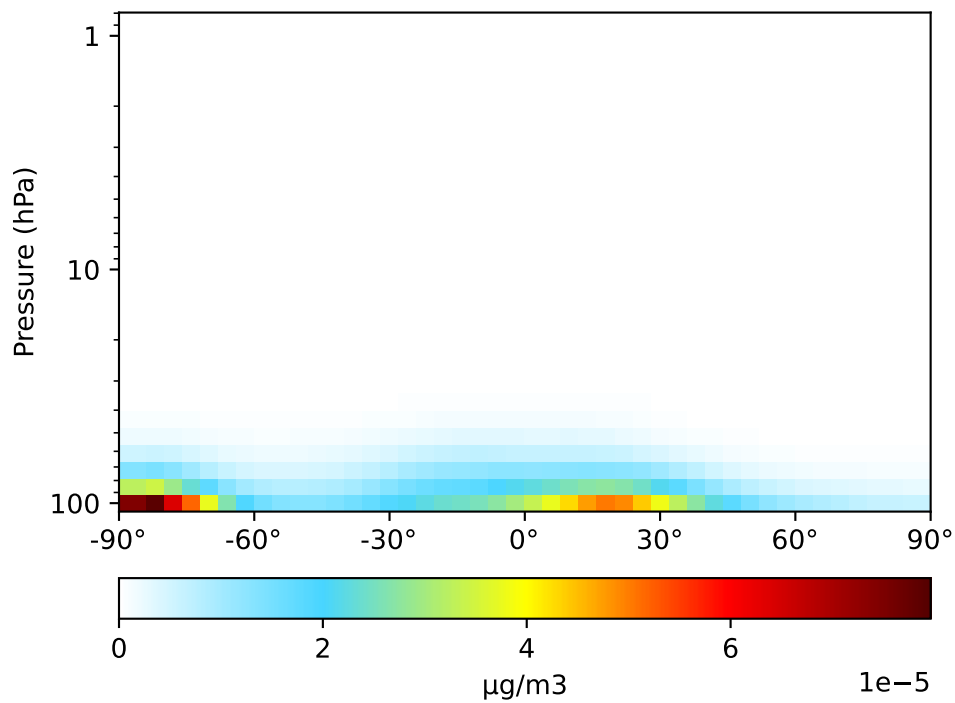


Ratio  
Dev/Ref, Fixed Range

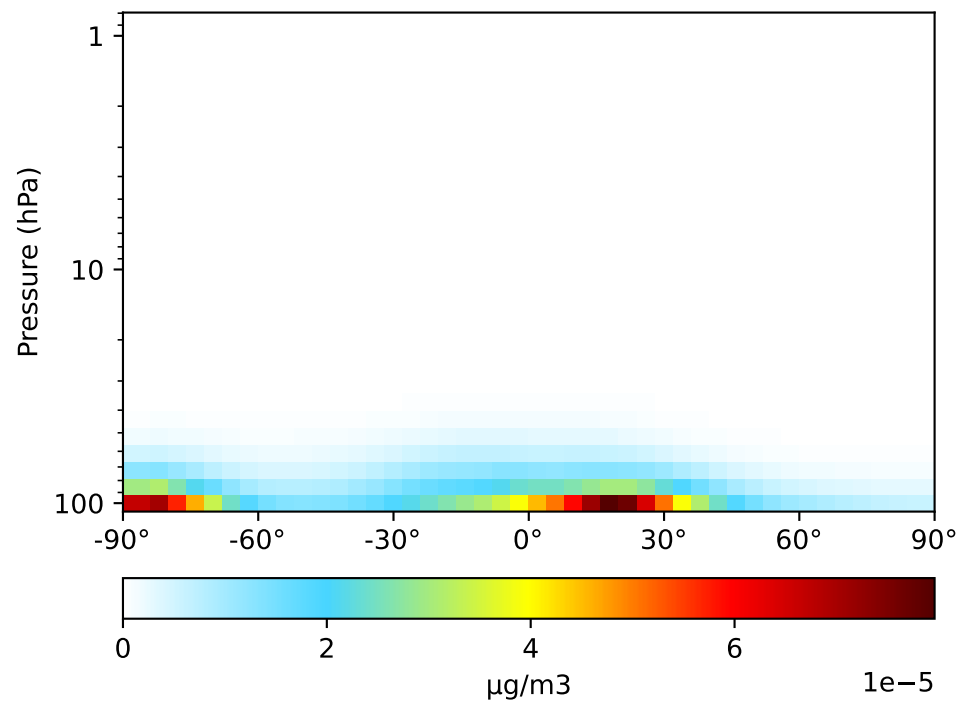


# SpeciesConcVV\_SALA, Zonal Mean

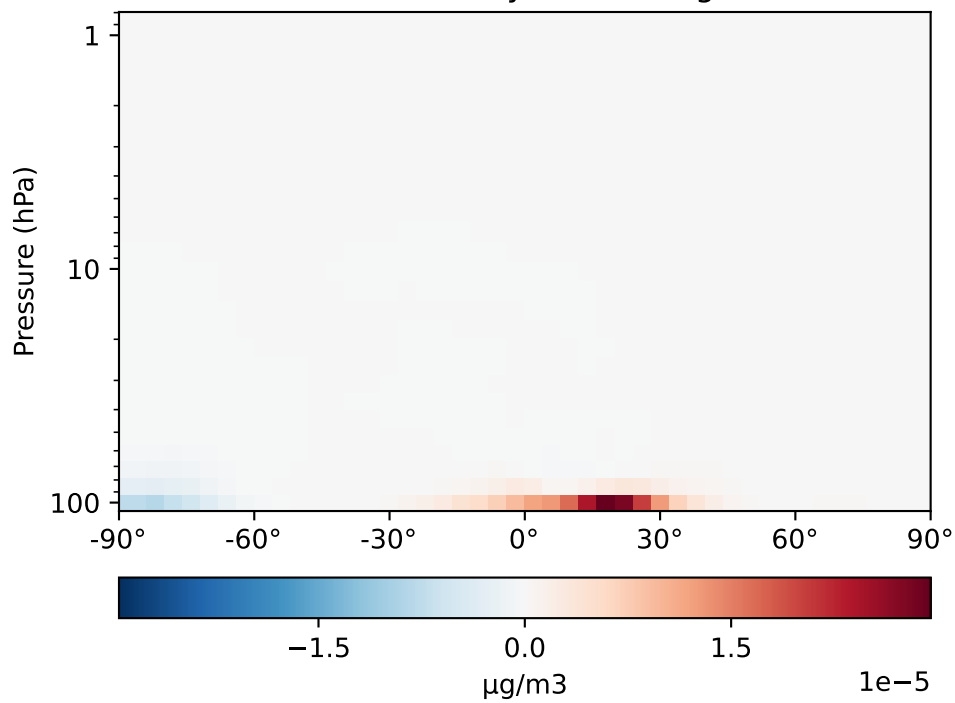
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



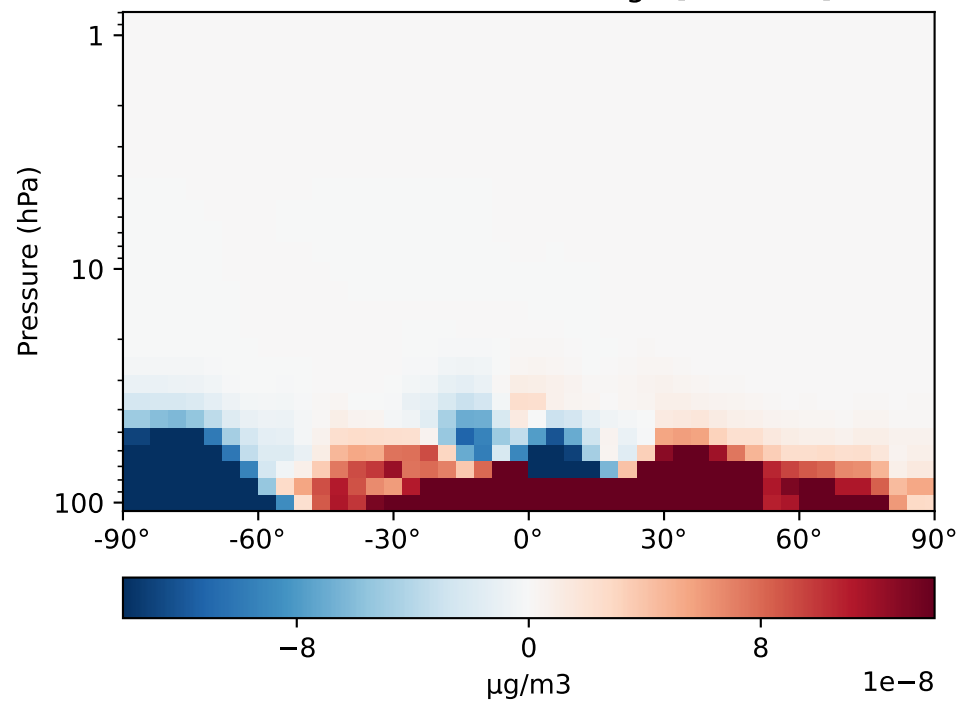
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



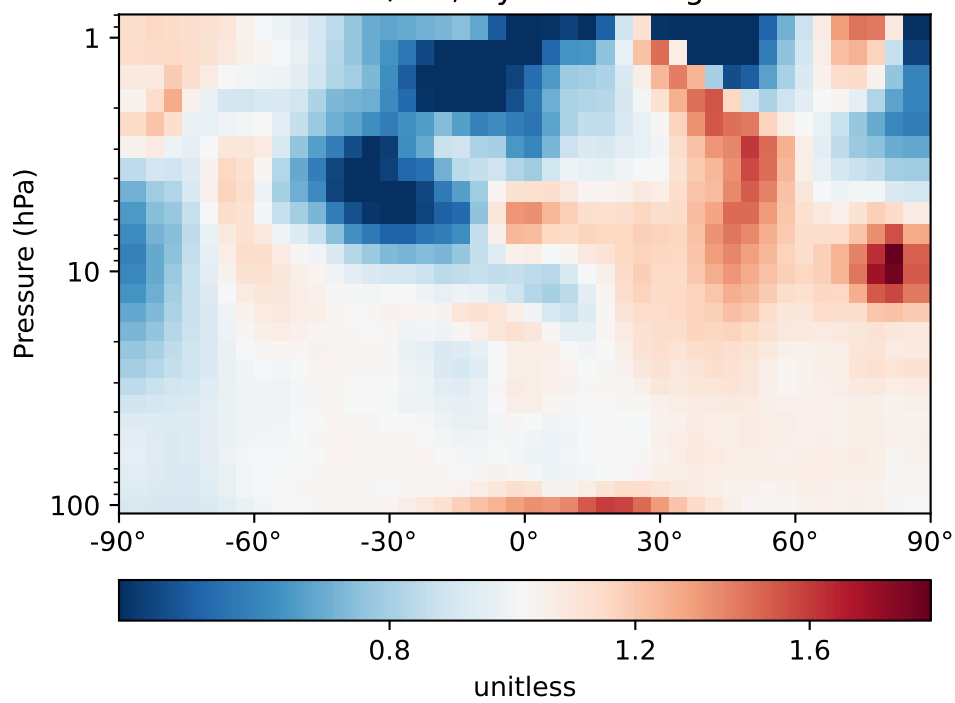
Difference  
Dev - Ref, Dynamic Range



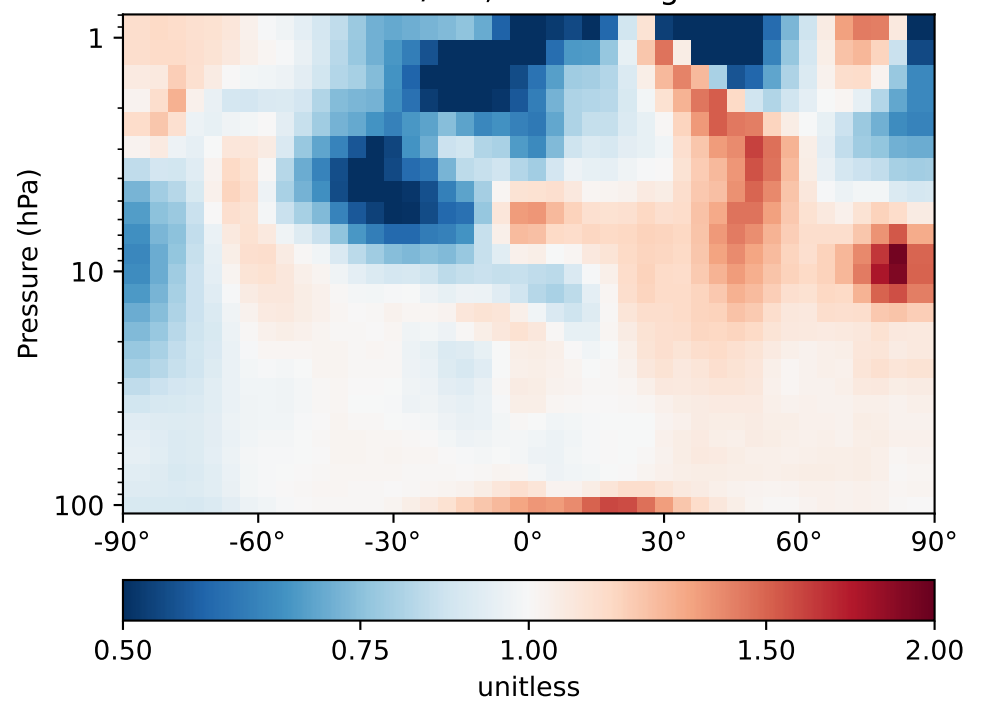
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

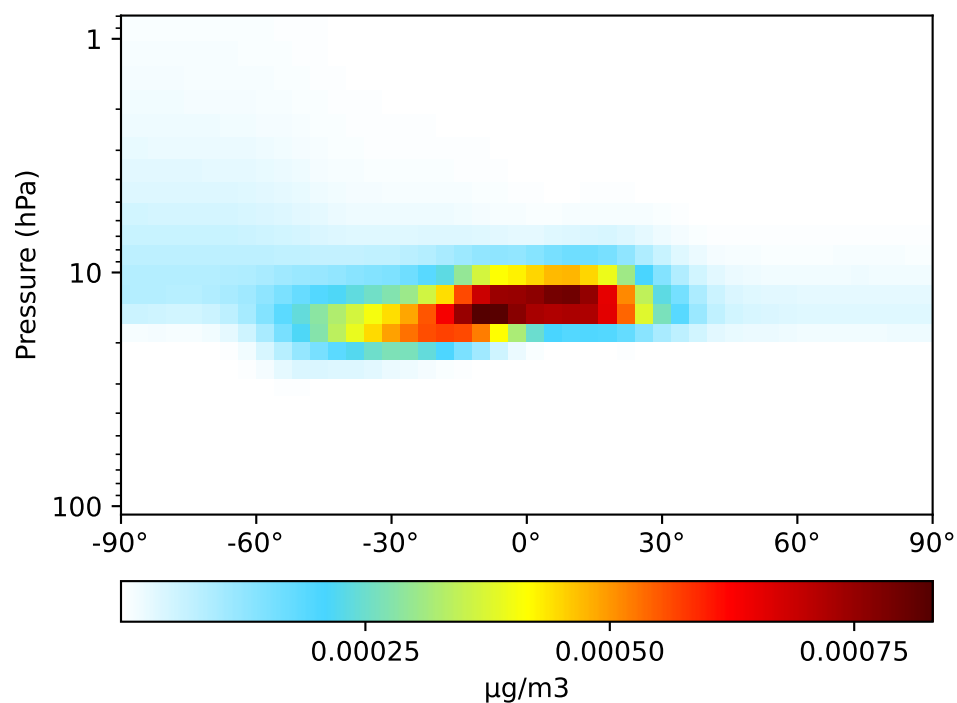


Ratio  
Dev/Ref, Fixed Range

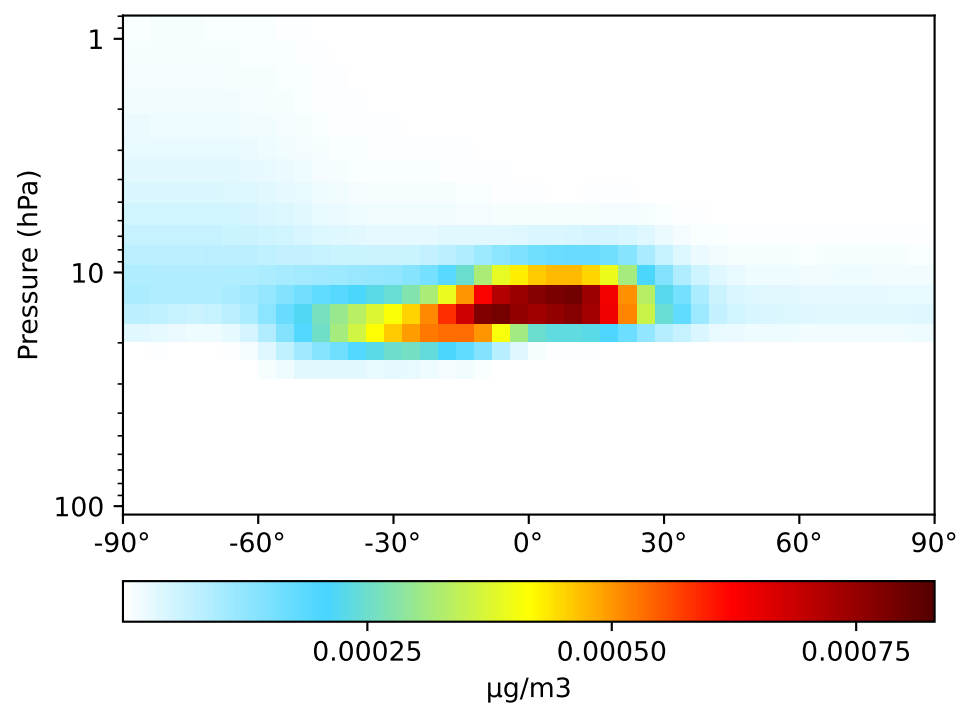


# SpeciesConcVV\_SALAAAL, Zonal Mean

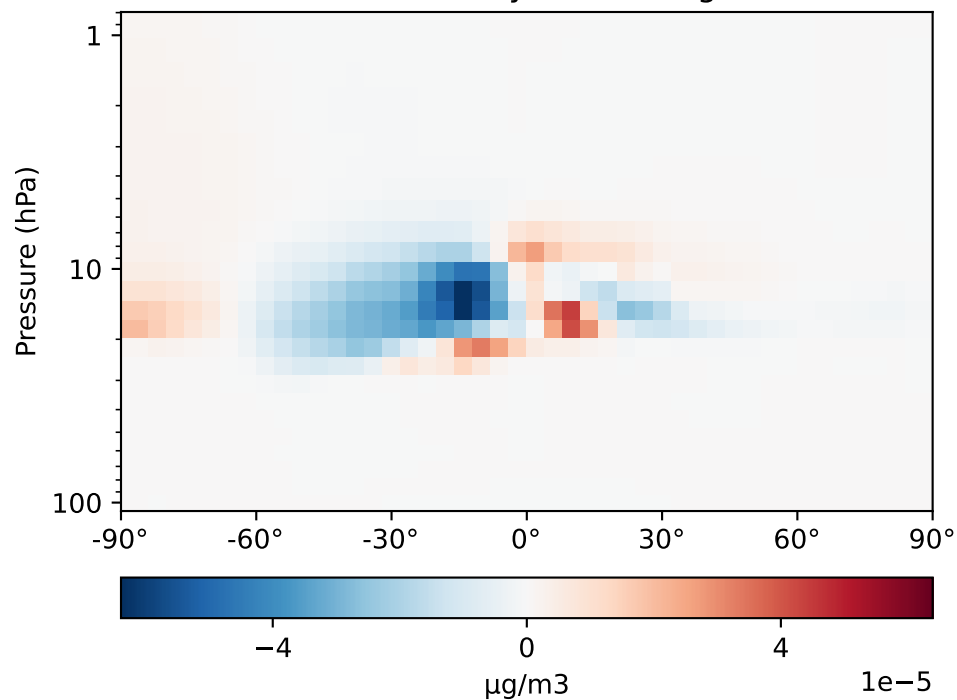
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



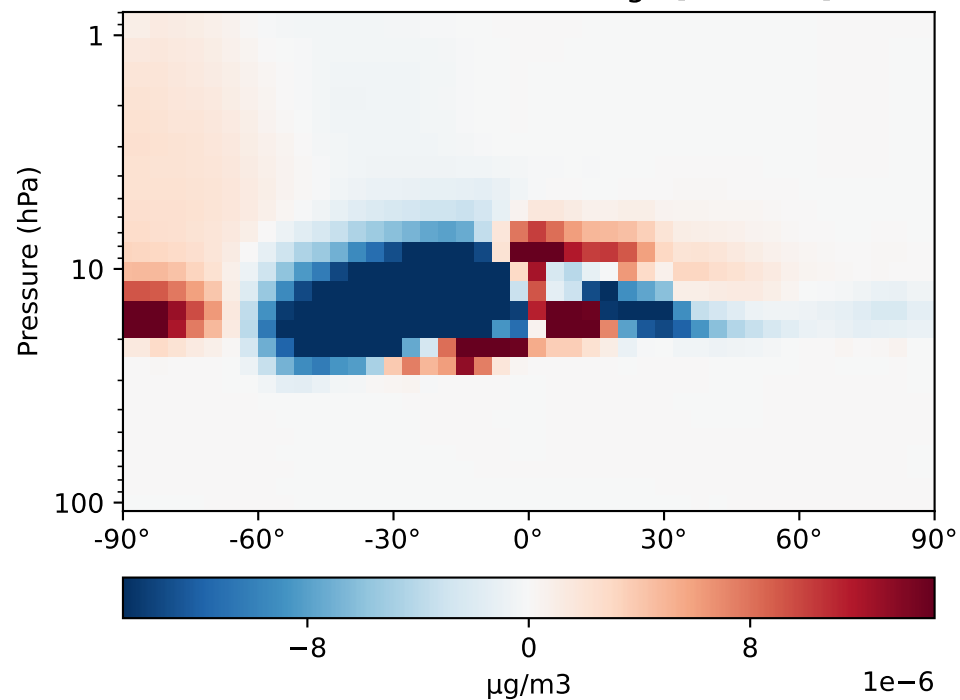
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



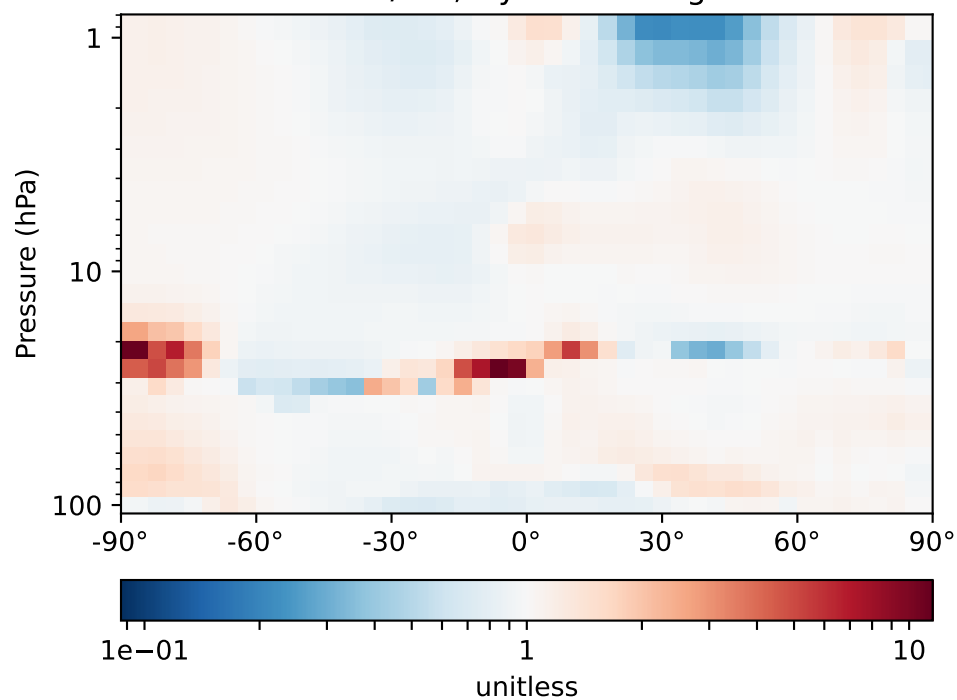
Difference  
Dev - Ref, Dynamic Range



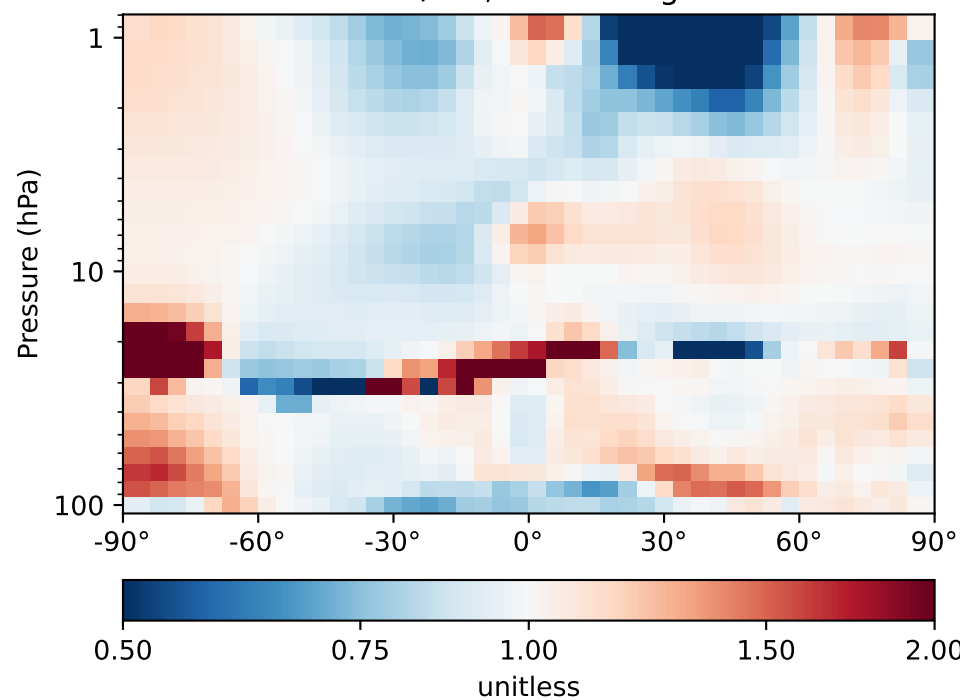
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

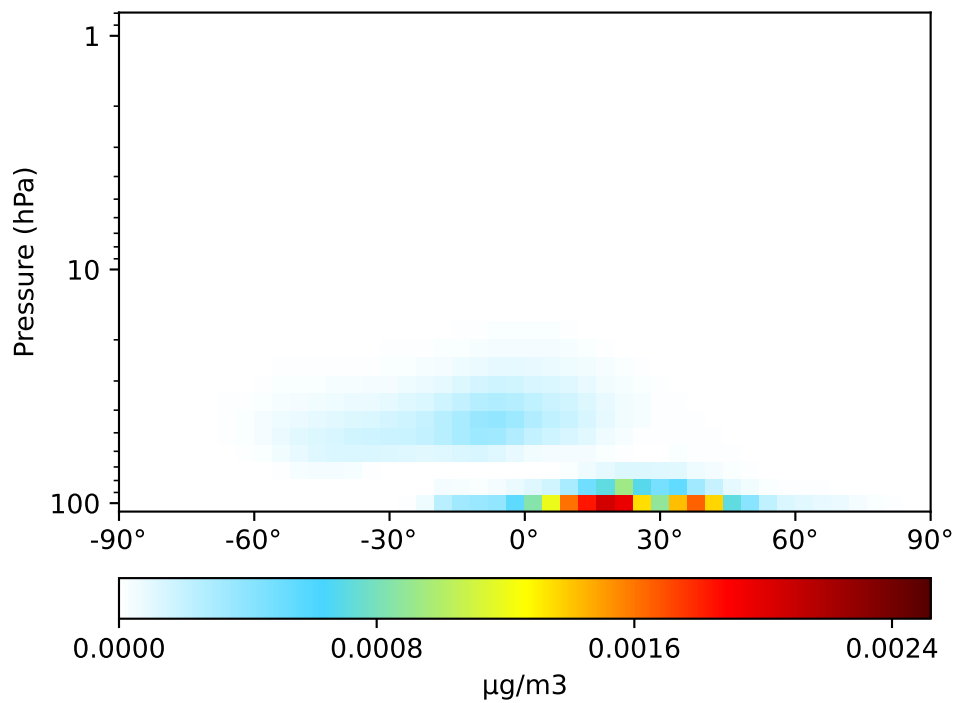


Ratio  
Dev/Ref, Fixed Range

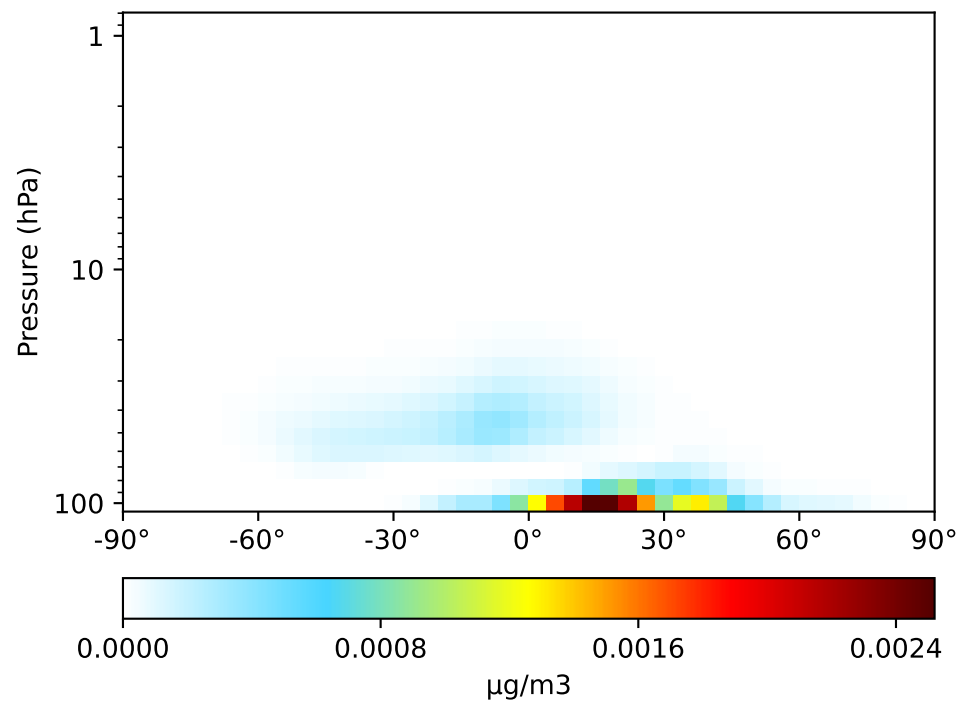


# SpeciesConcVV\_SALACL, Zonal Mean

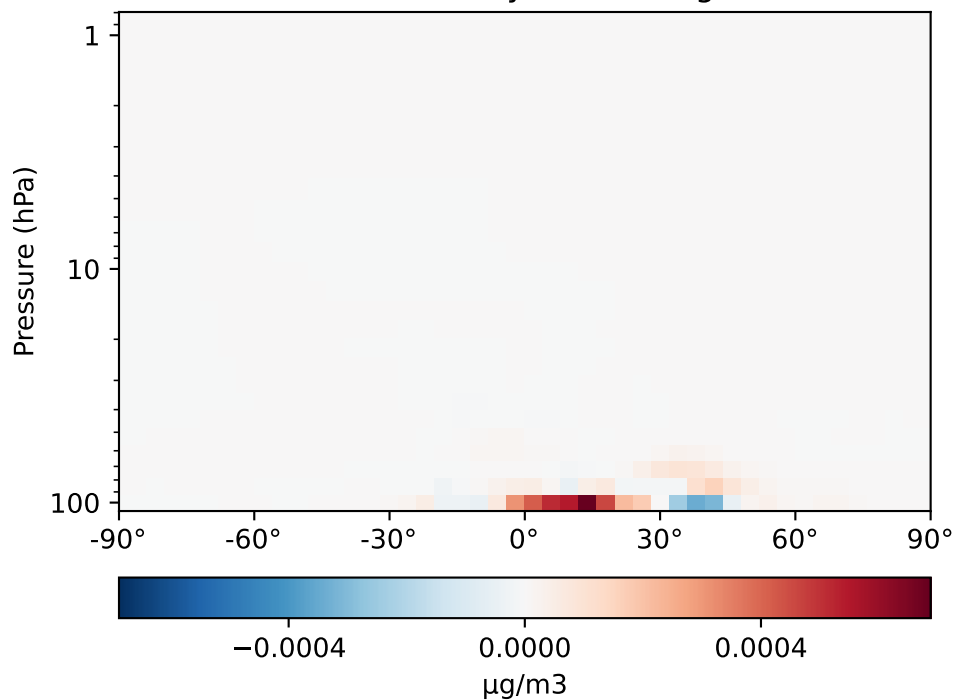
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



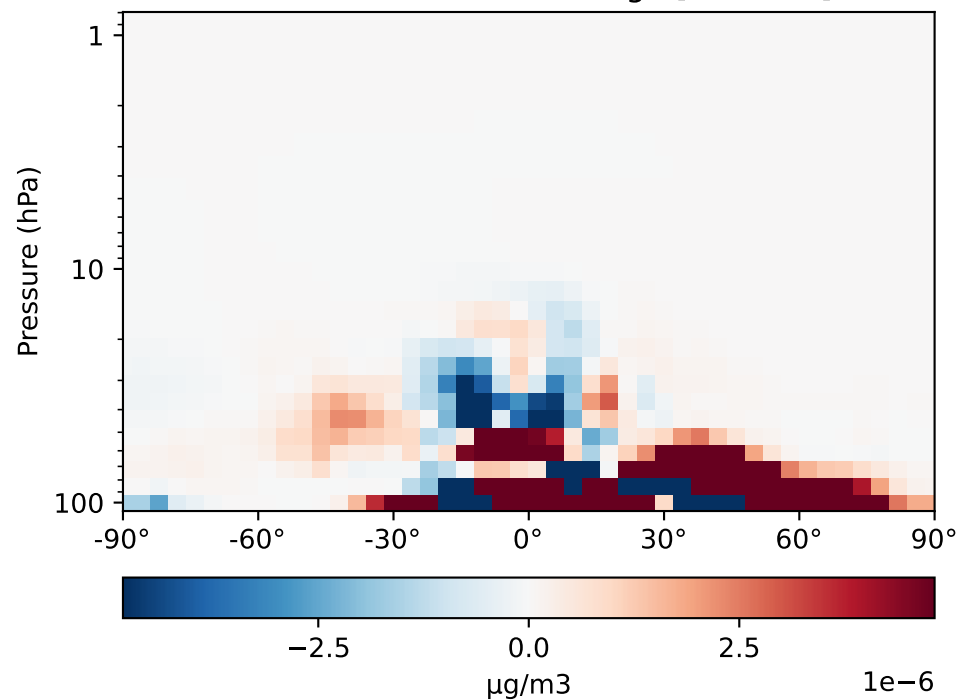
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



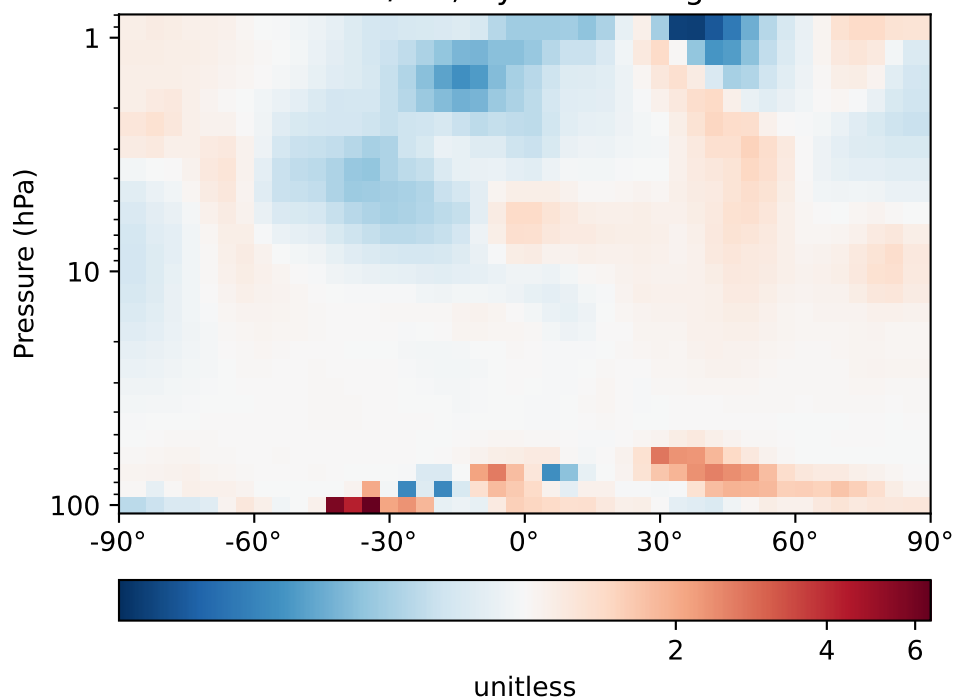
Difference  
Dev - Ref, Dynamic Range



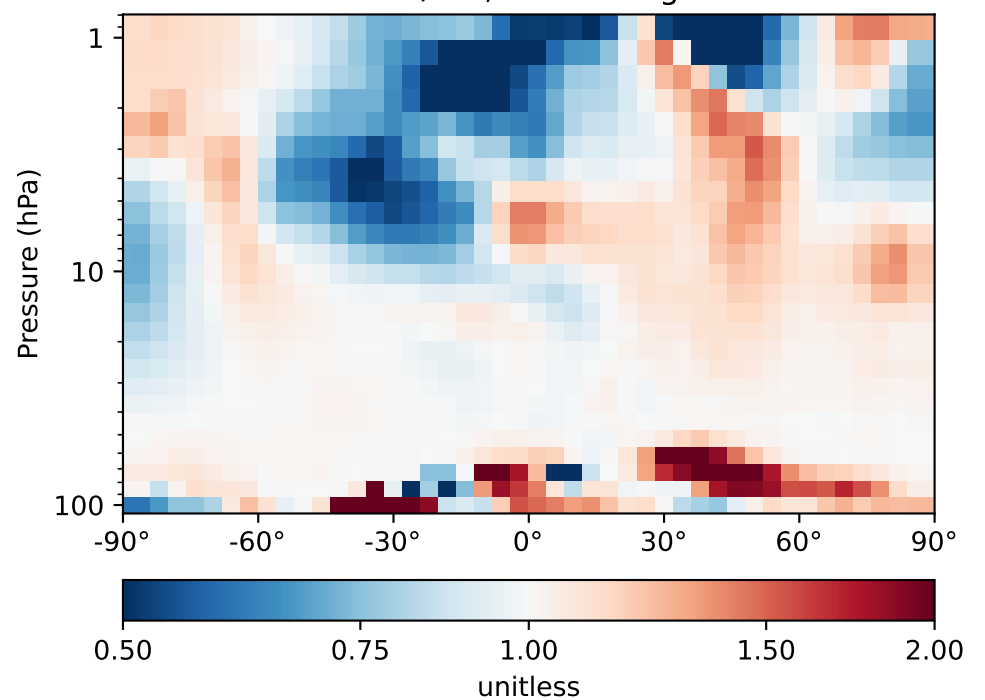
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

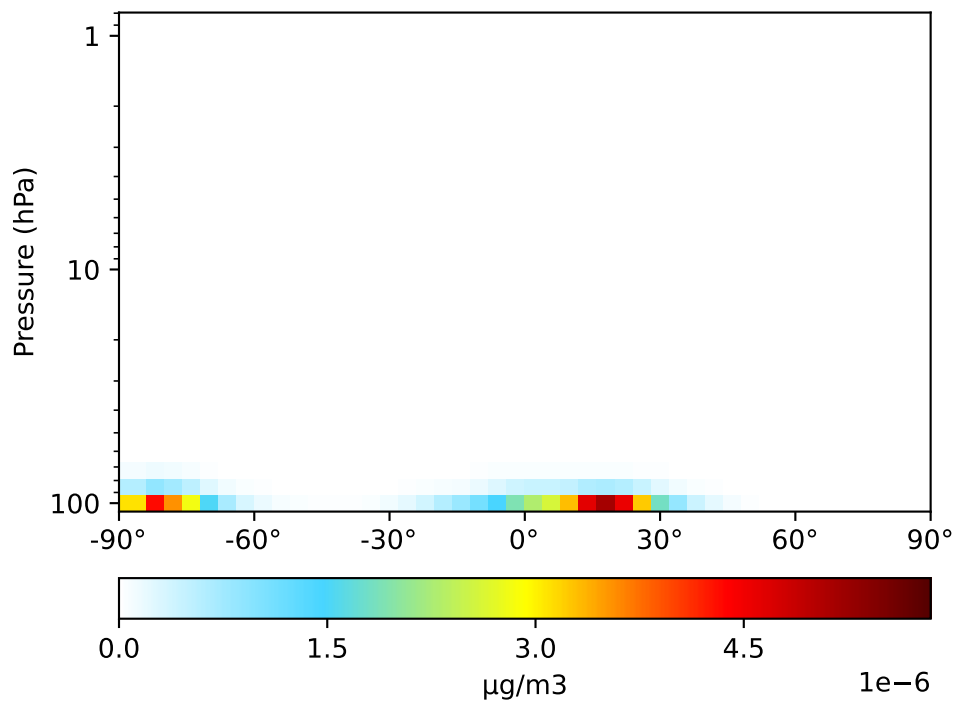


Ratio  
Dev/Ref, Fixed Range

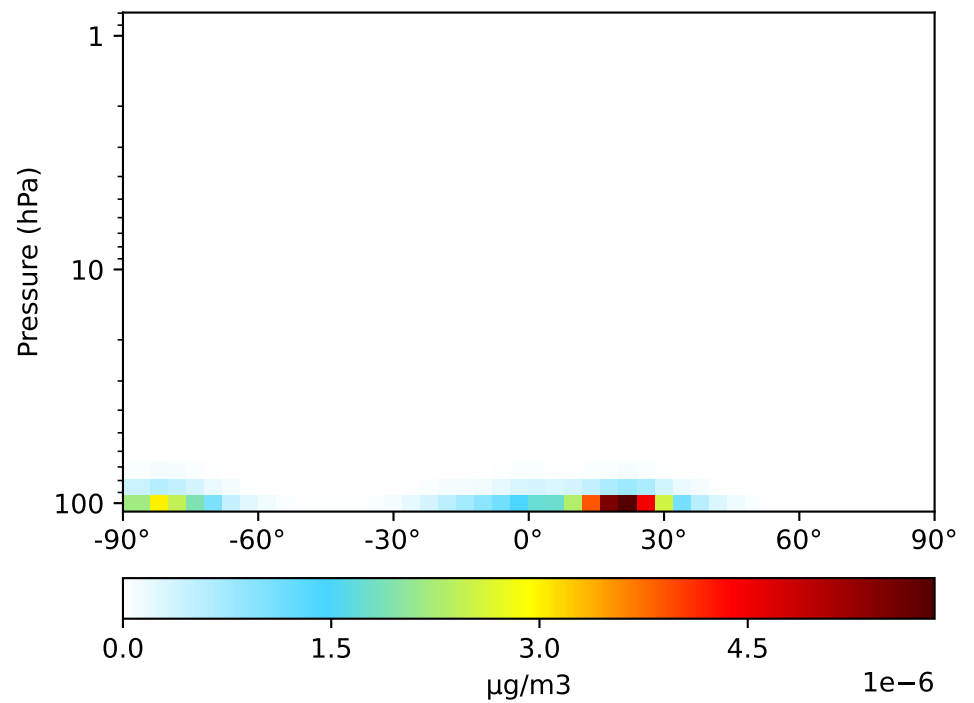


# SpeciesConcVV\_SALC, Zonal Mean

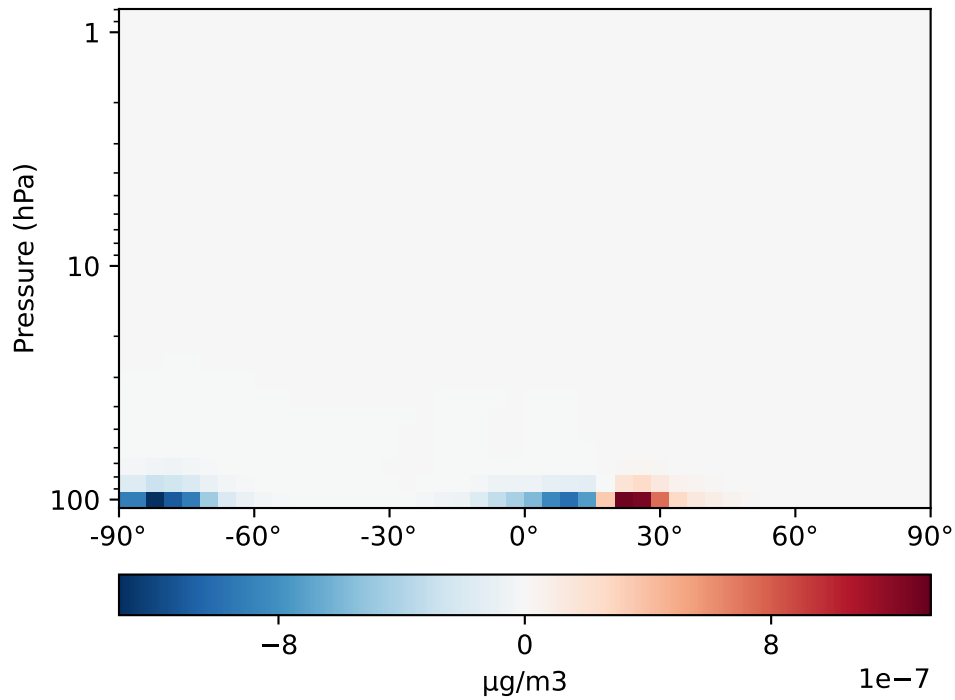
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



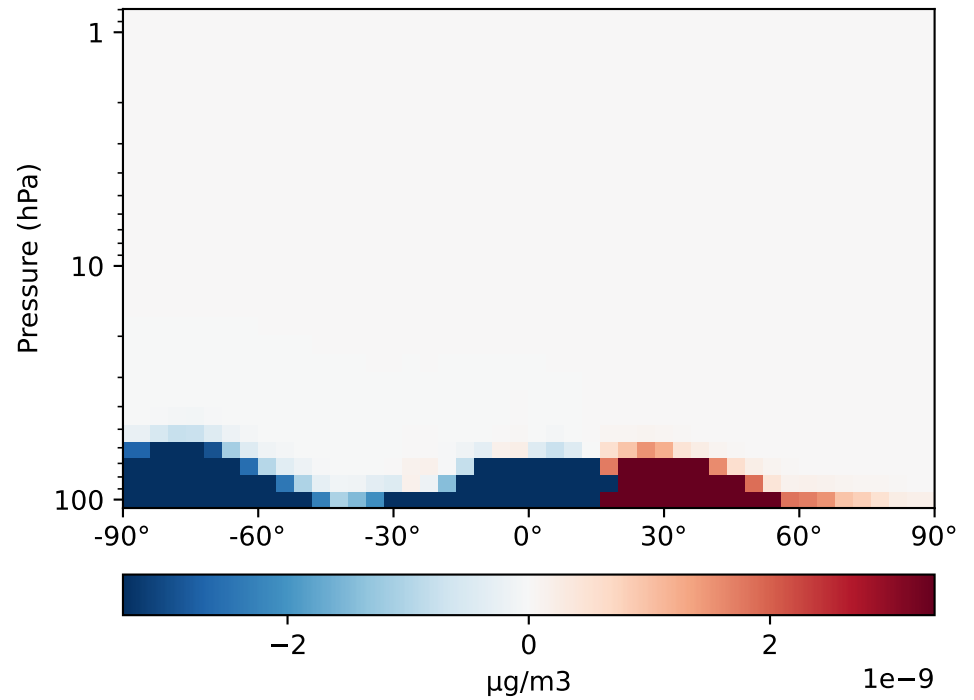
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



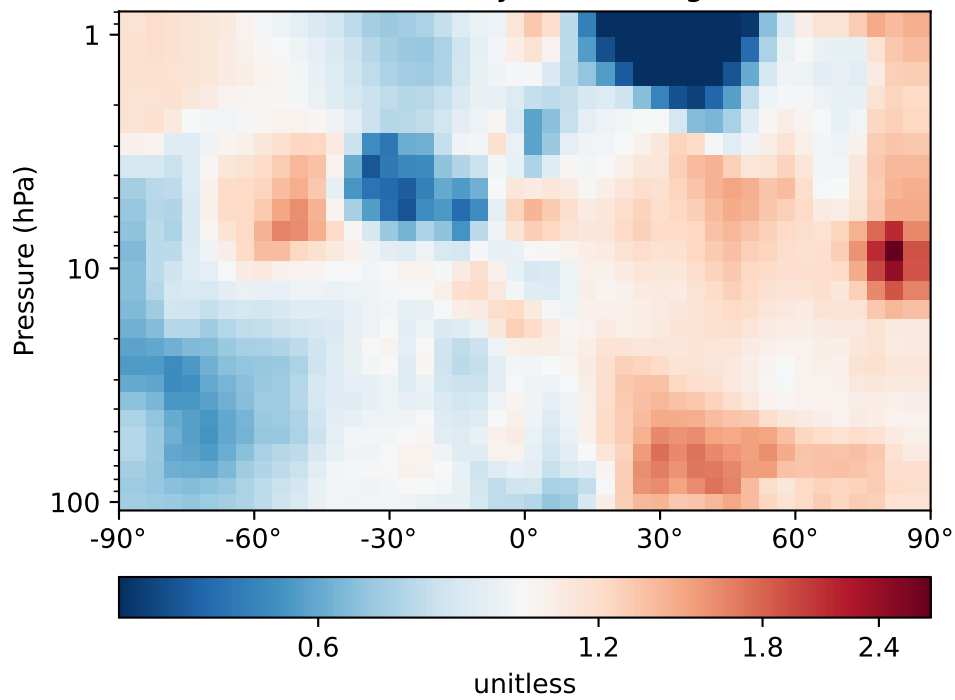
Difference  
Dev - Ref, Dynamic Range



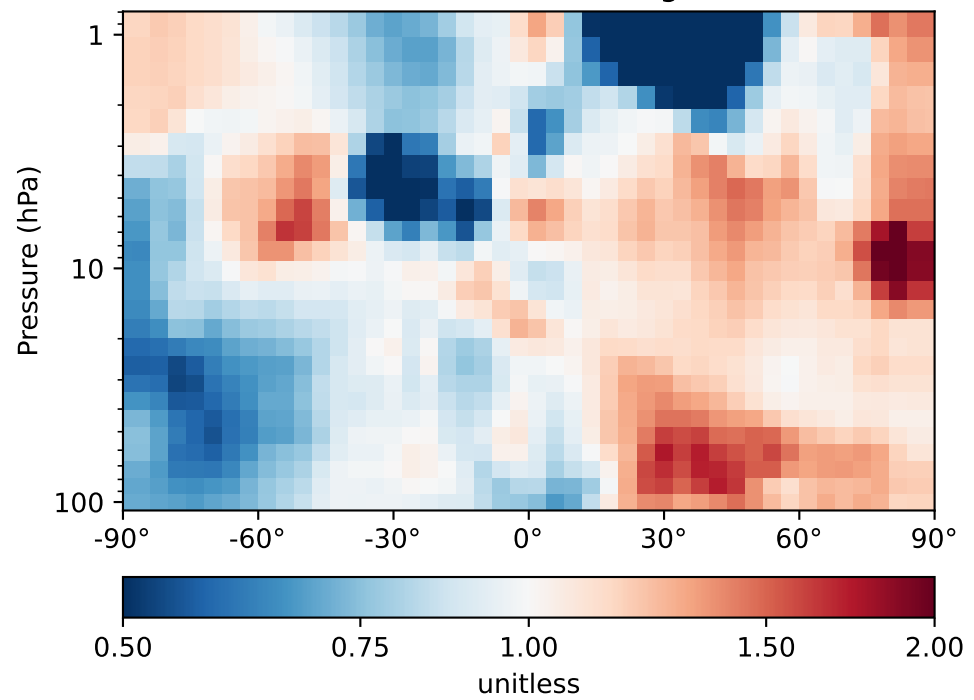
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



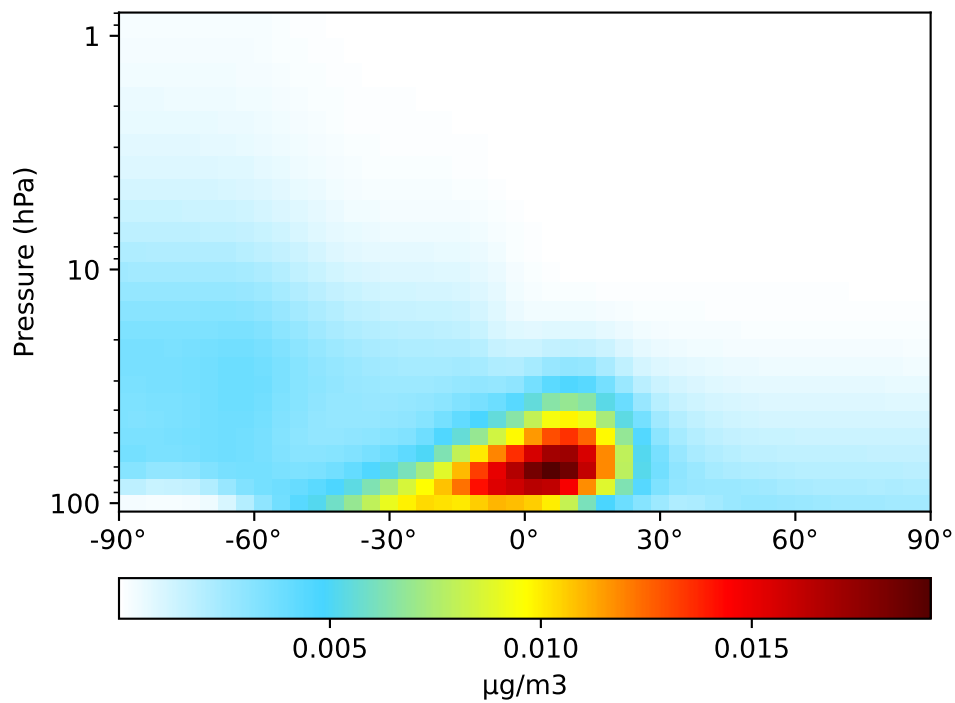
Ratio  
Dev/Ref, Fixed Range



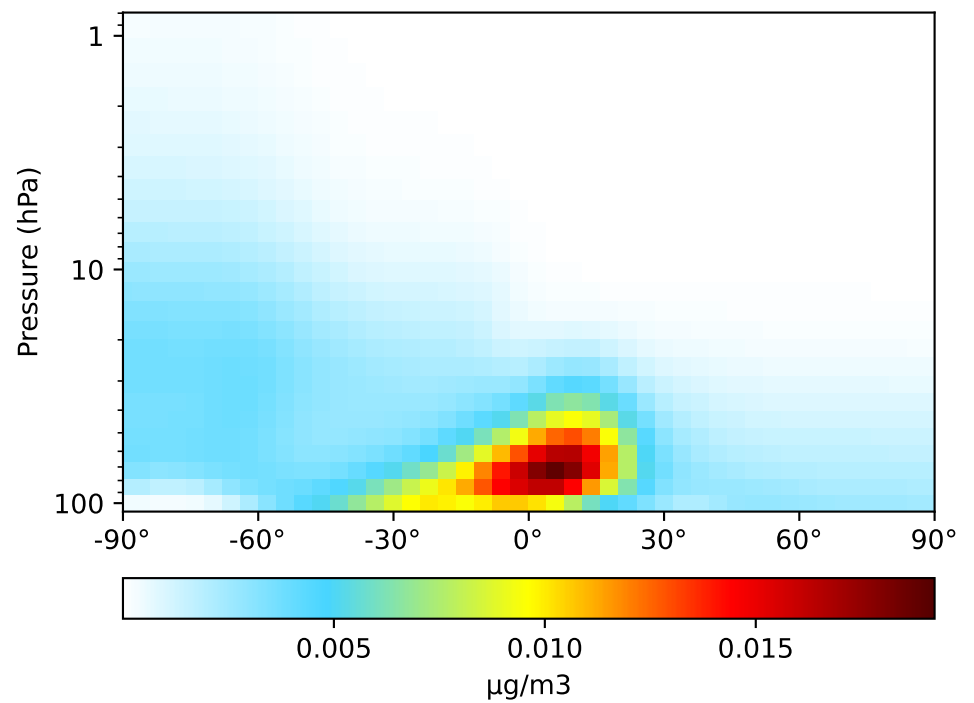


# SpeciesConcVV\_SALCAL, Zonal Mean

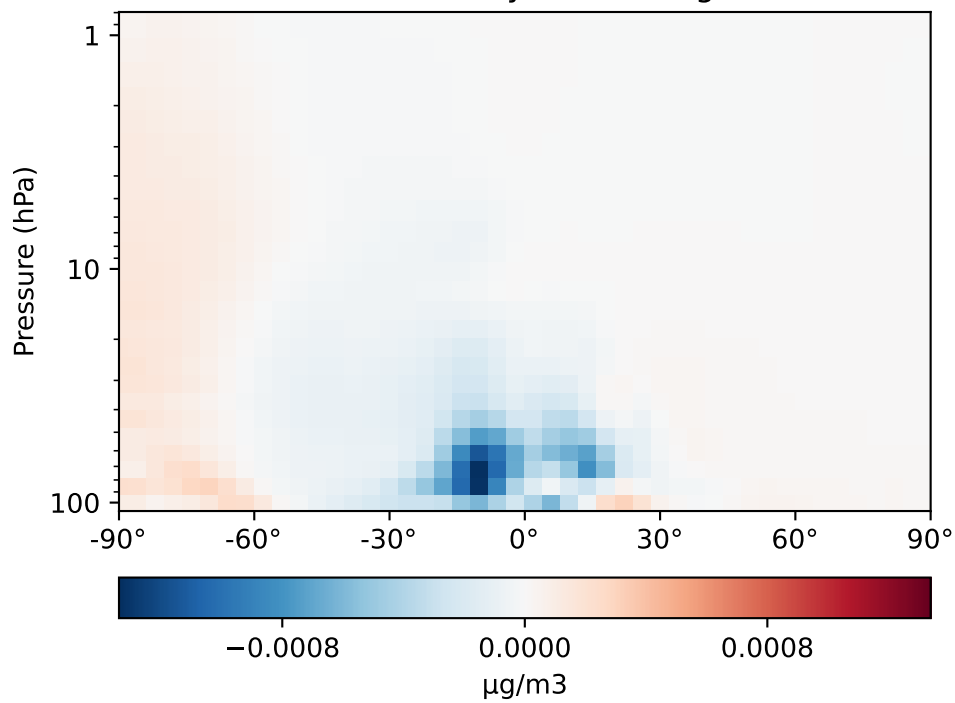
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



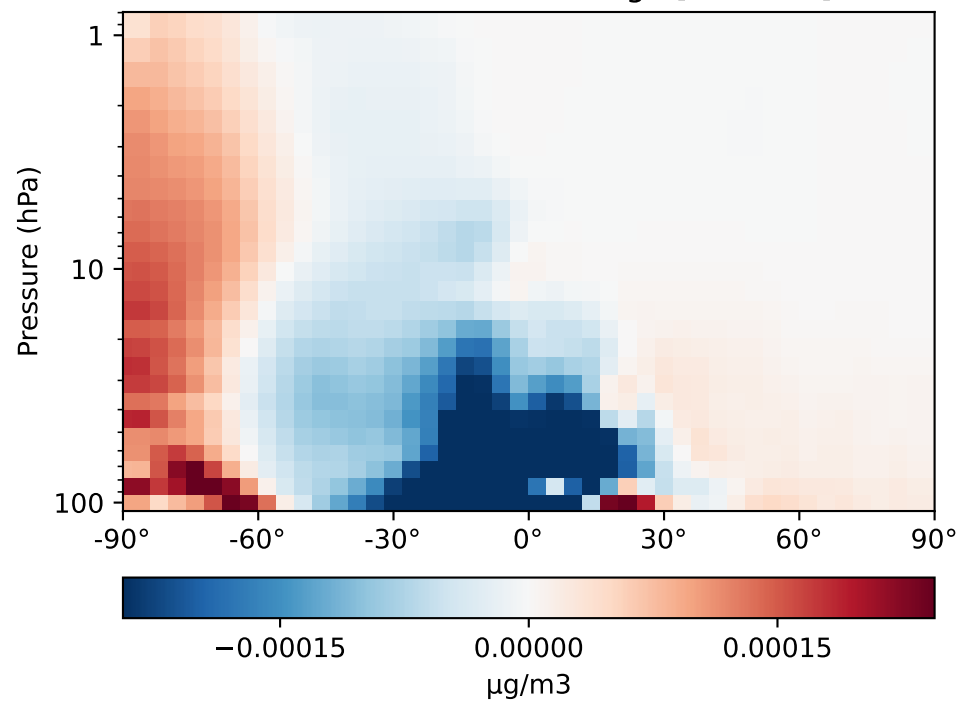
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



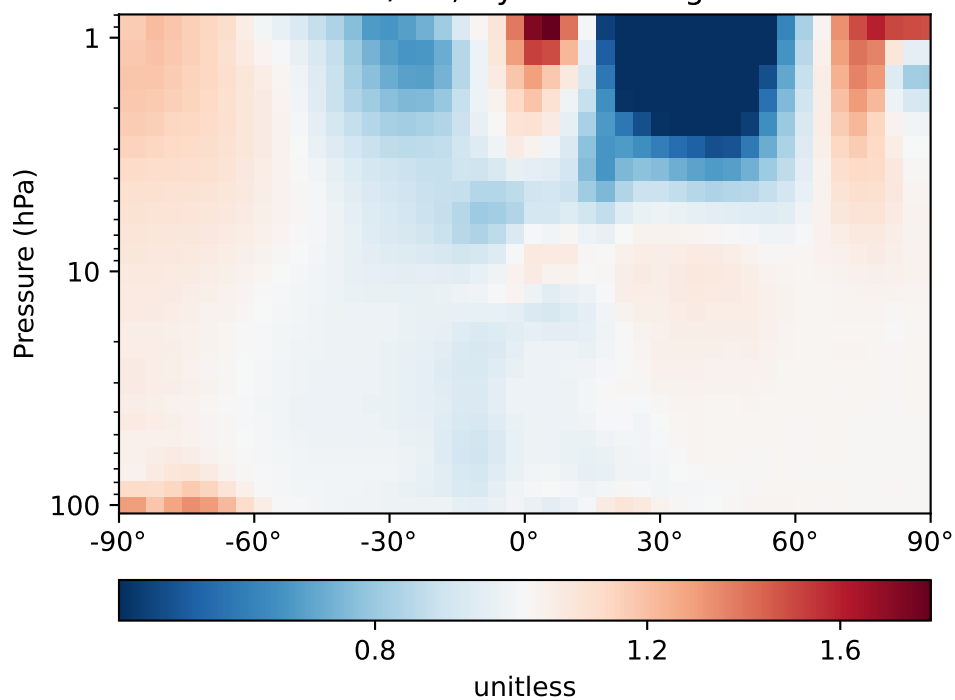
Difference  
Dev - Ref, Dynamic Range



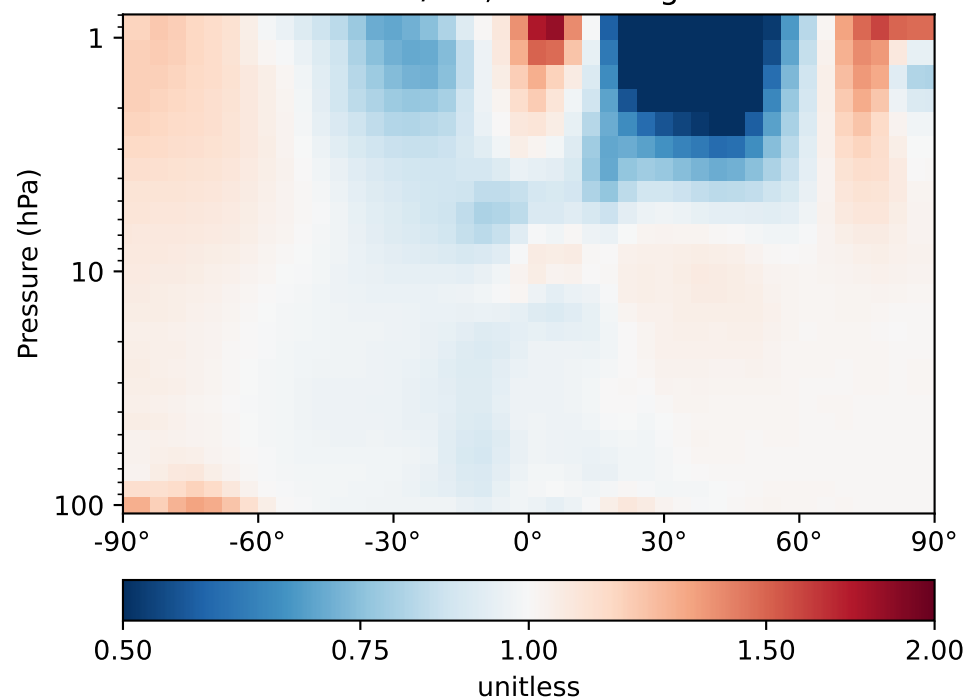
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

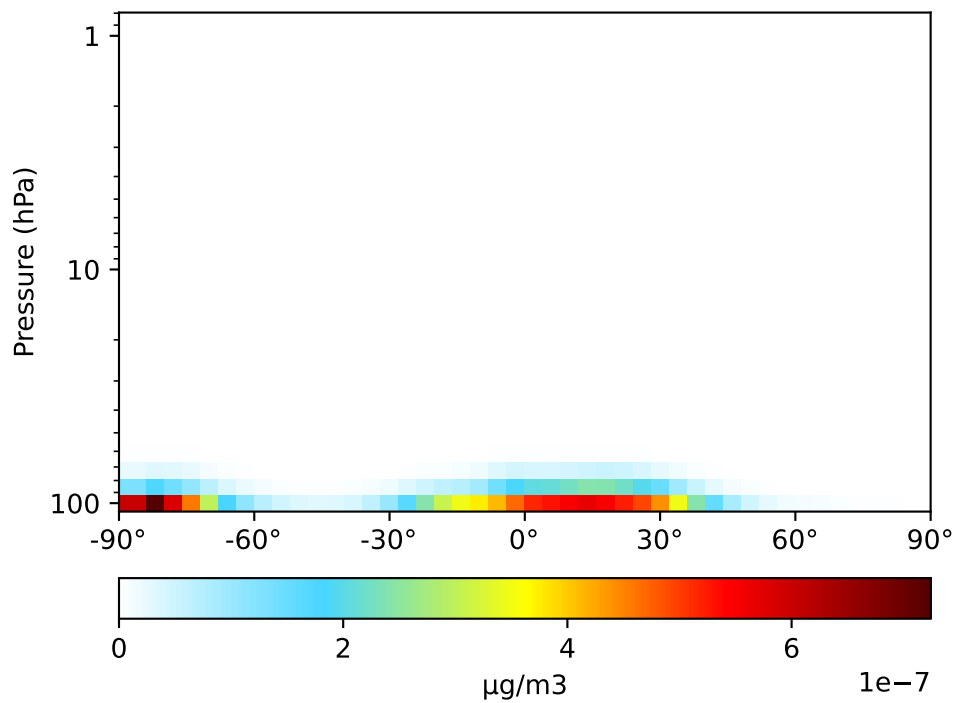


Ratio  
Dev/Ref, Fixed Range

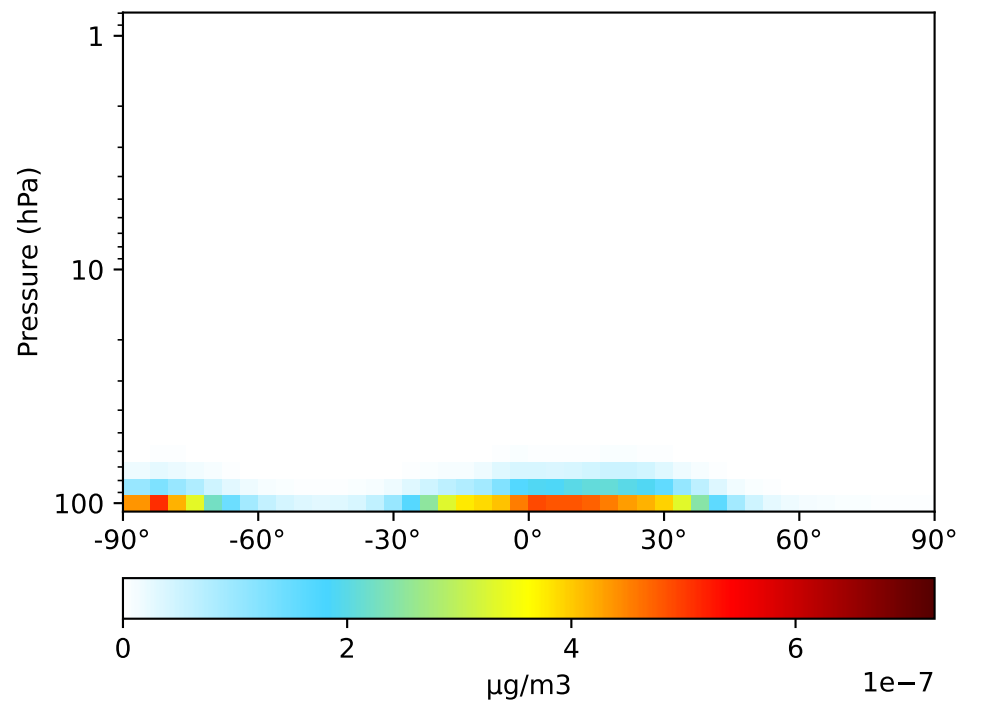


# SpeciesConcVV\_SALCCL, Zonal Mean

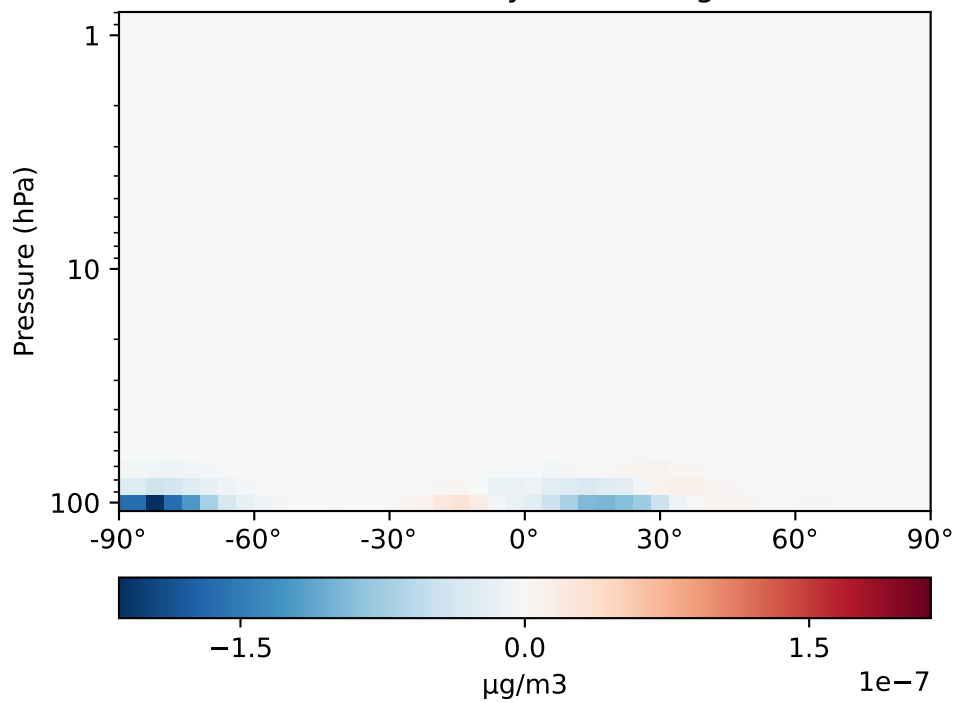
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



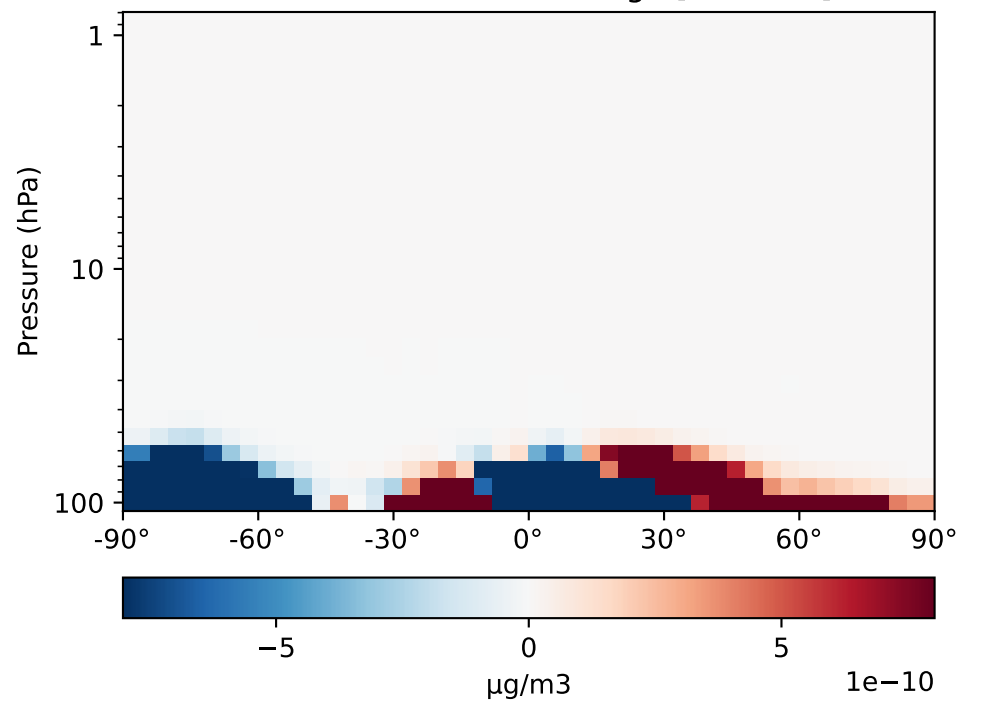
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



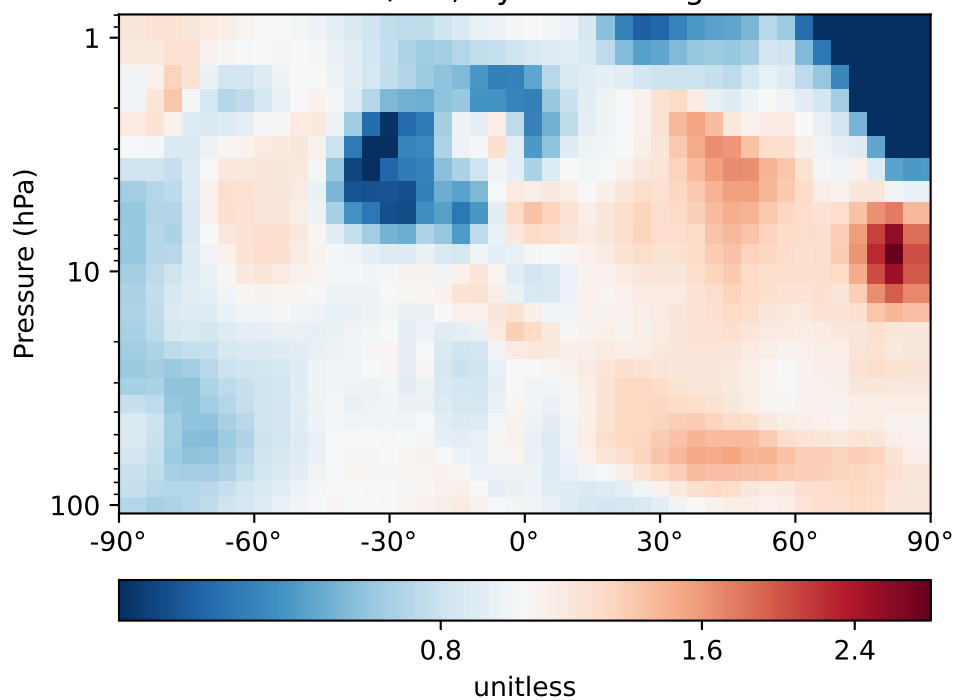
Difference  
Dev - Ref, Dynamic Range



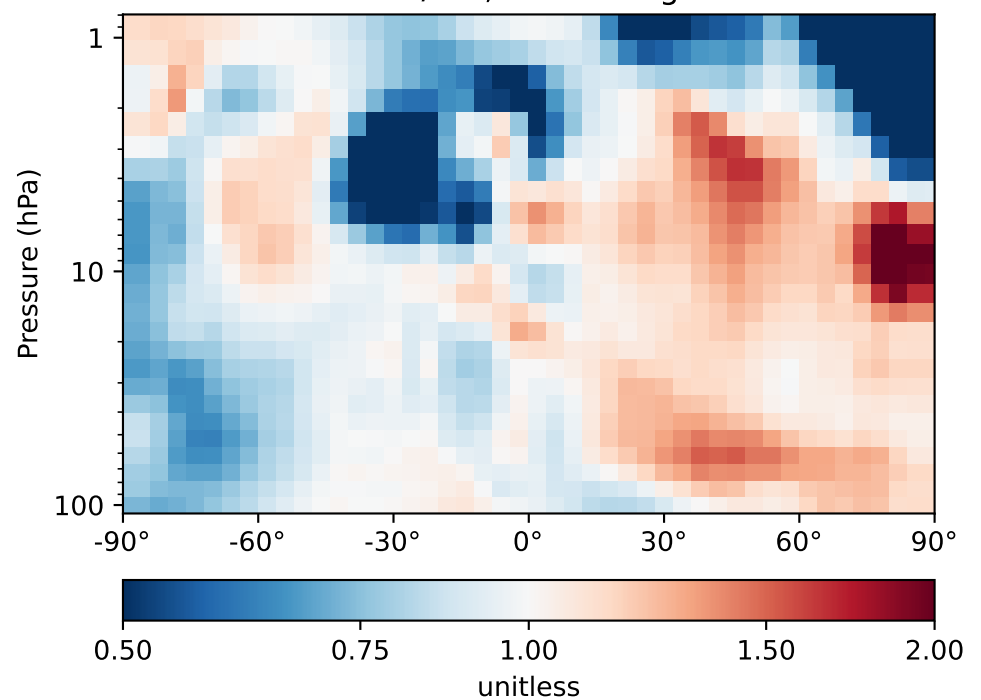
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

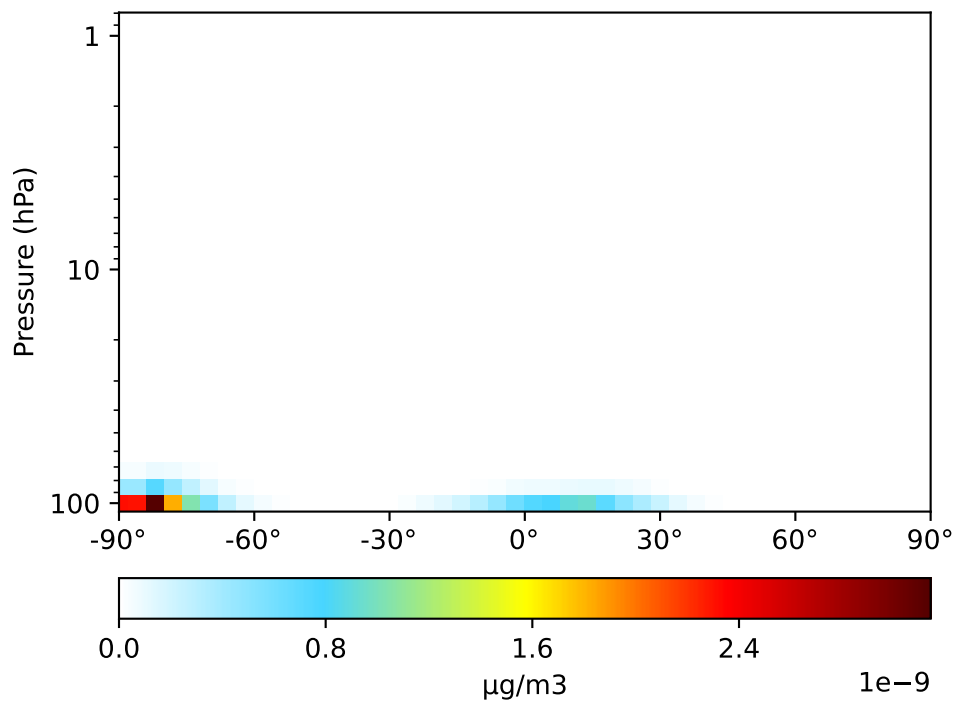


Ratio  
Dev/Ref, Fixed Range

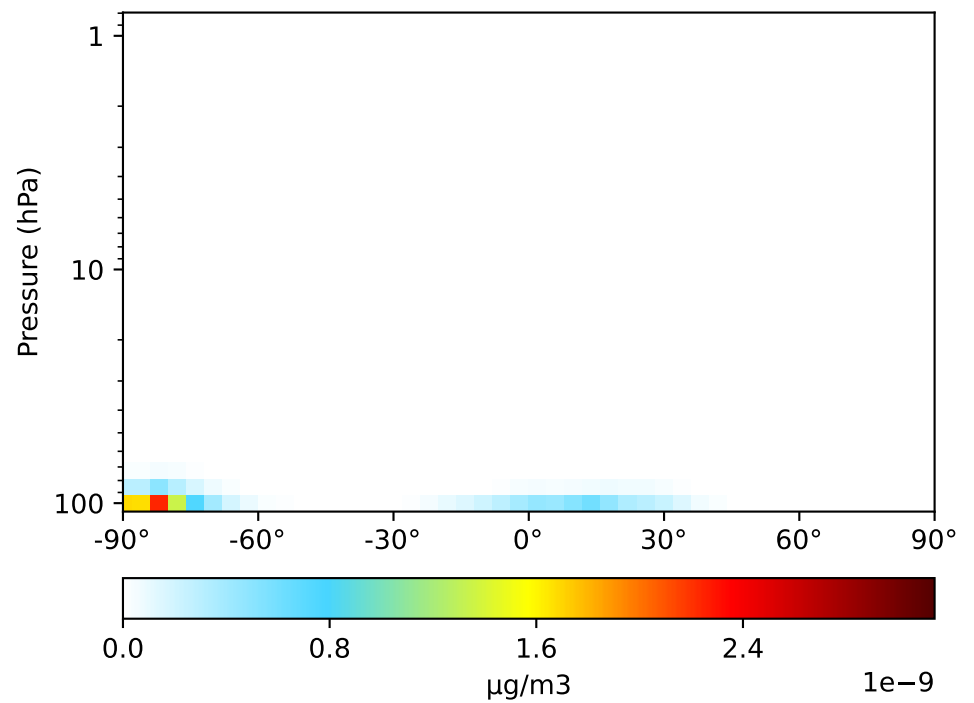


# SpeciesConcVV\_SO4s, Zonal Mean

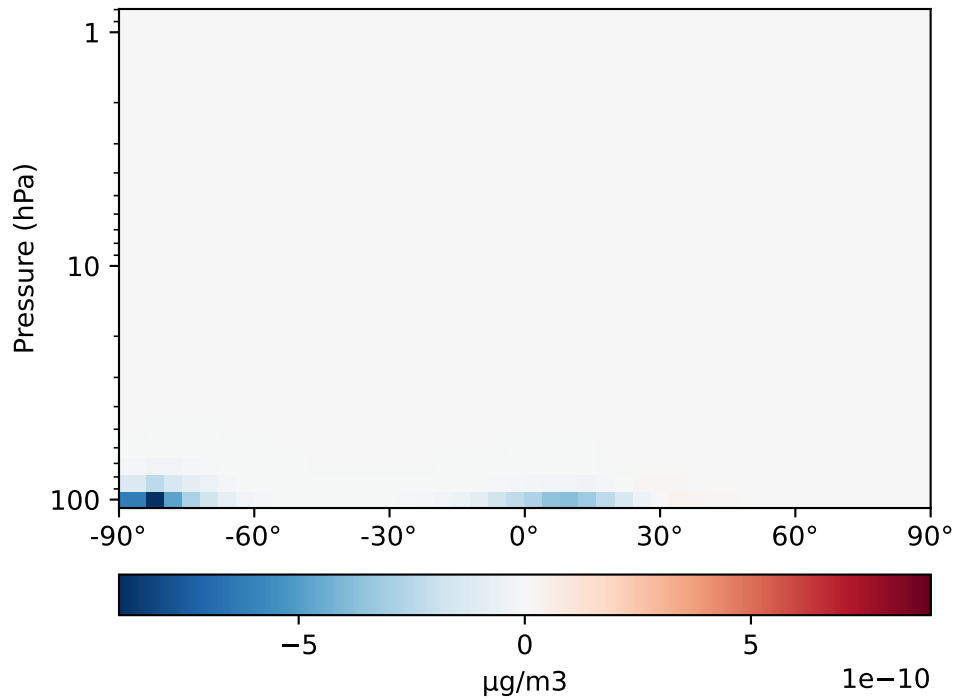
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



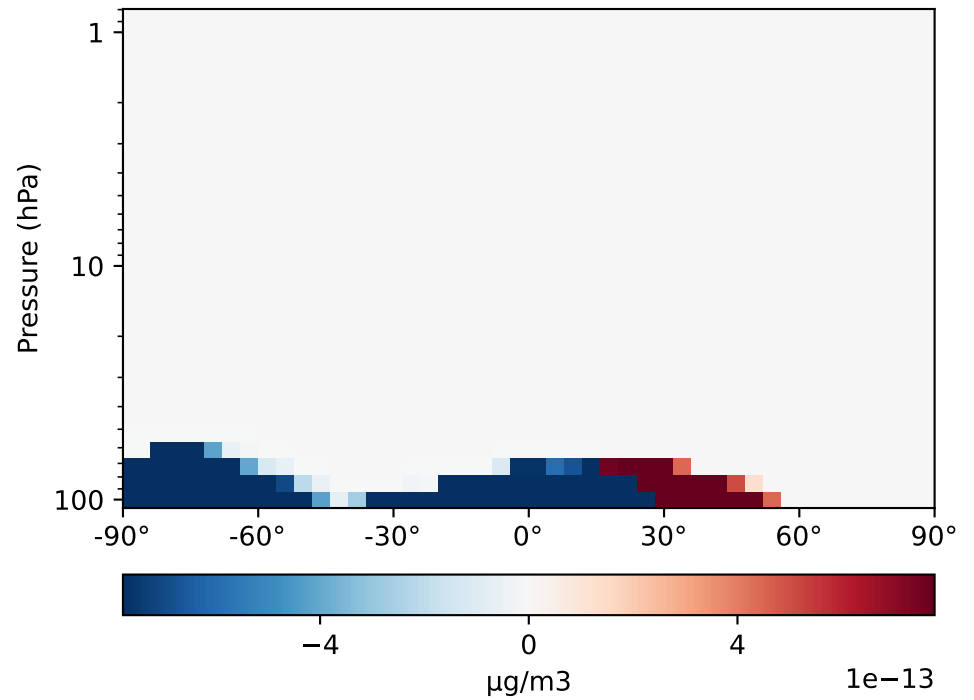
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



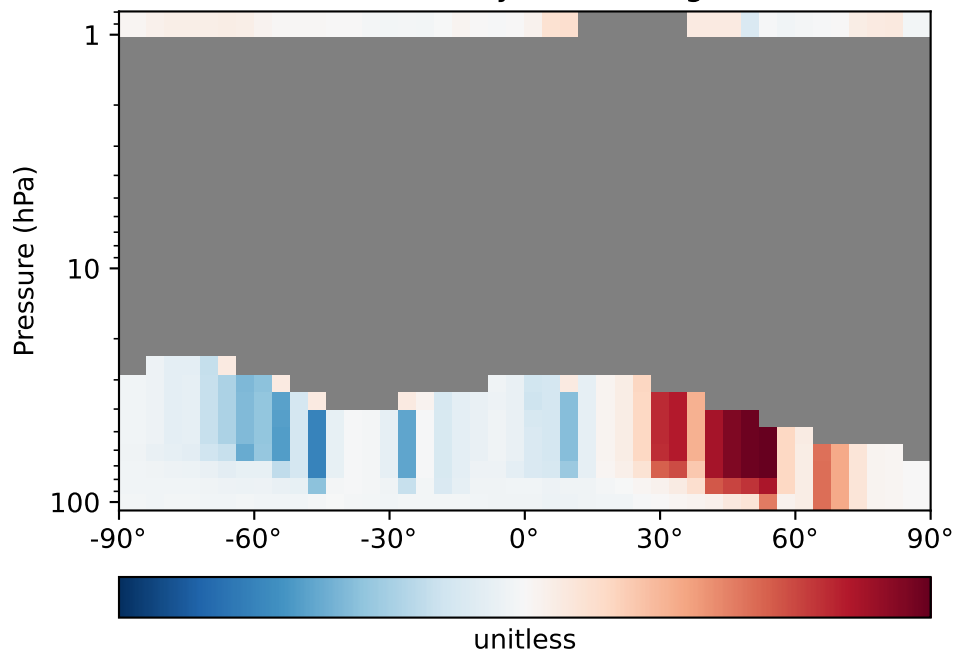
Difference  
Dev - Ref, Dynamic Range



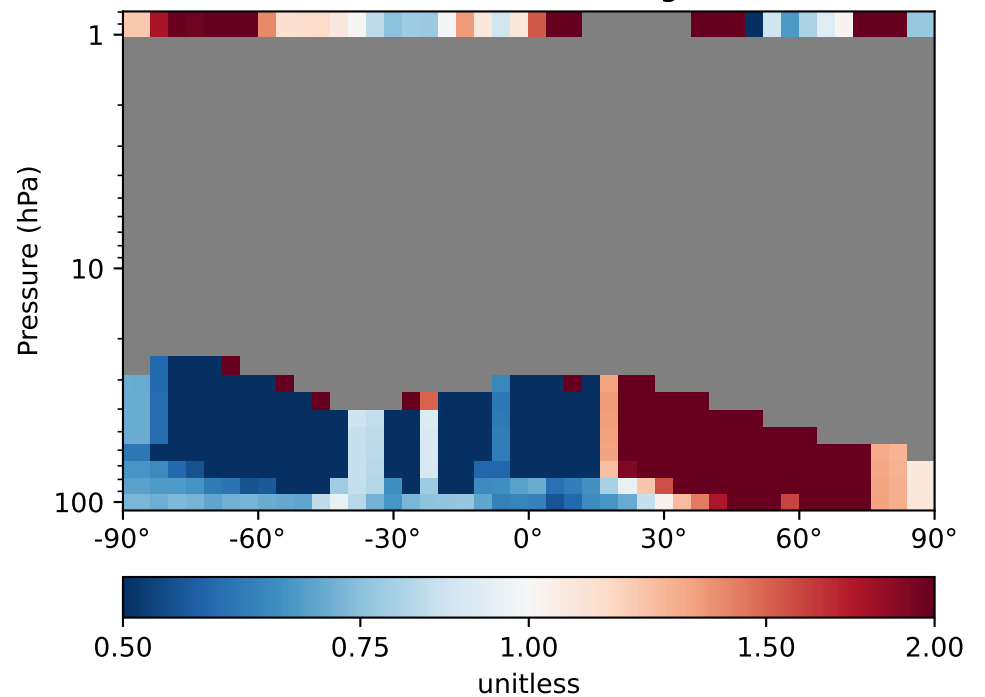
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

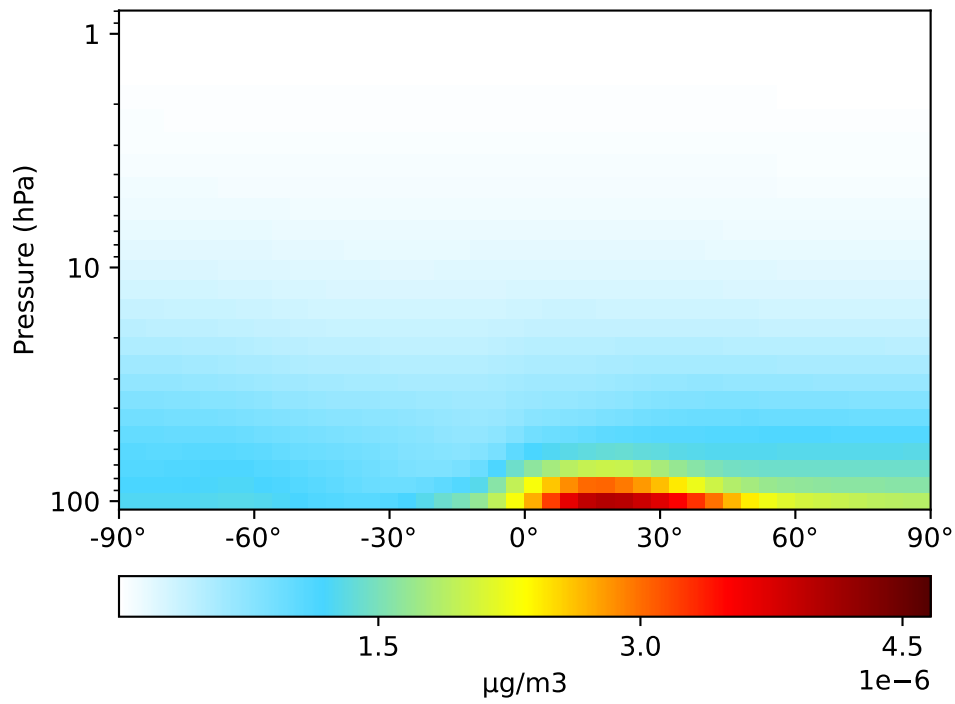


Ratio  
Dev/Ref, Fixed Range

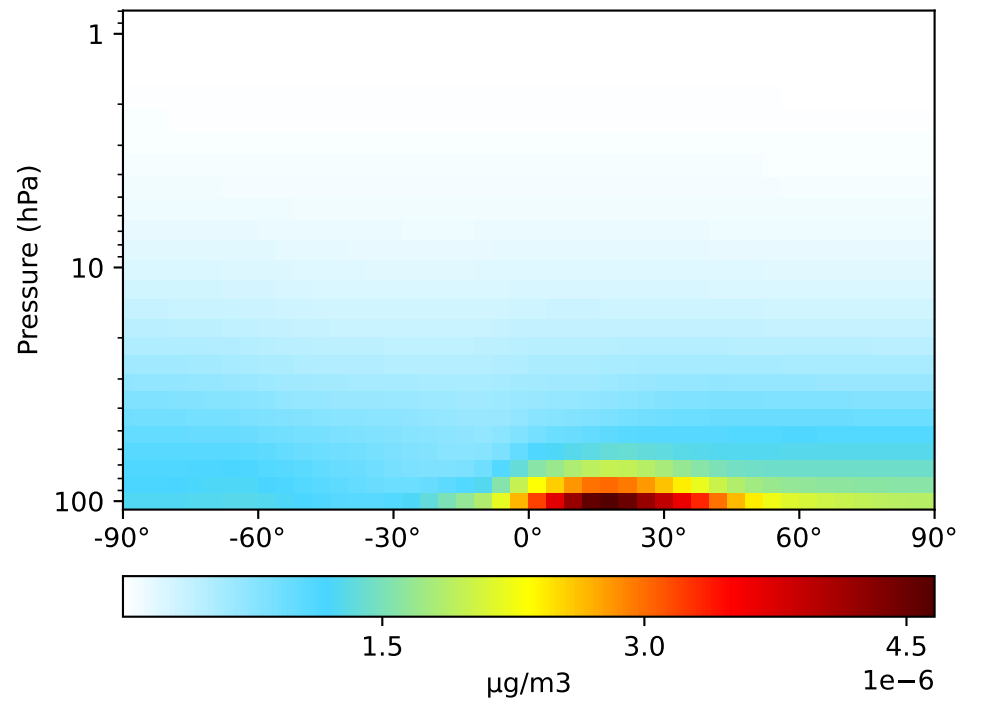


# SpeciesConcVV\_pFe, Zonal Mean

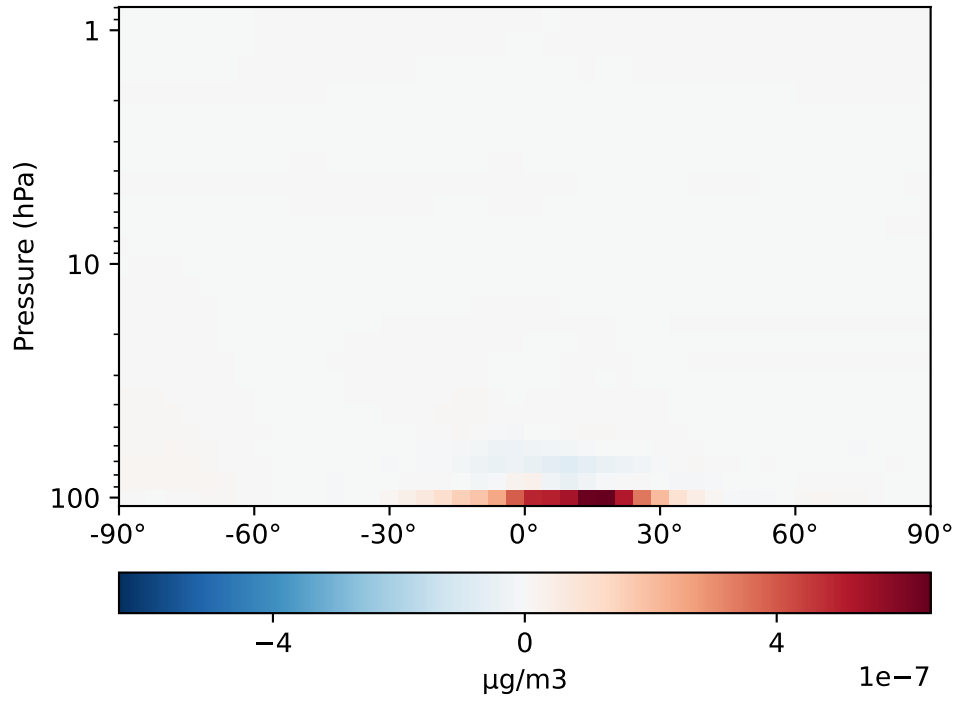
GCC\_14.2.0\_MERRA2 (Ref)  
4.0x5.0



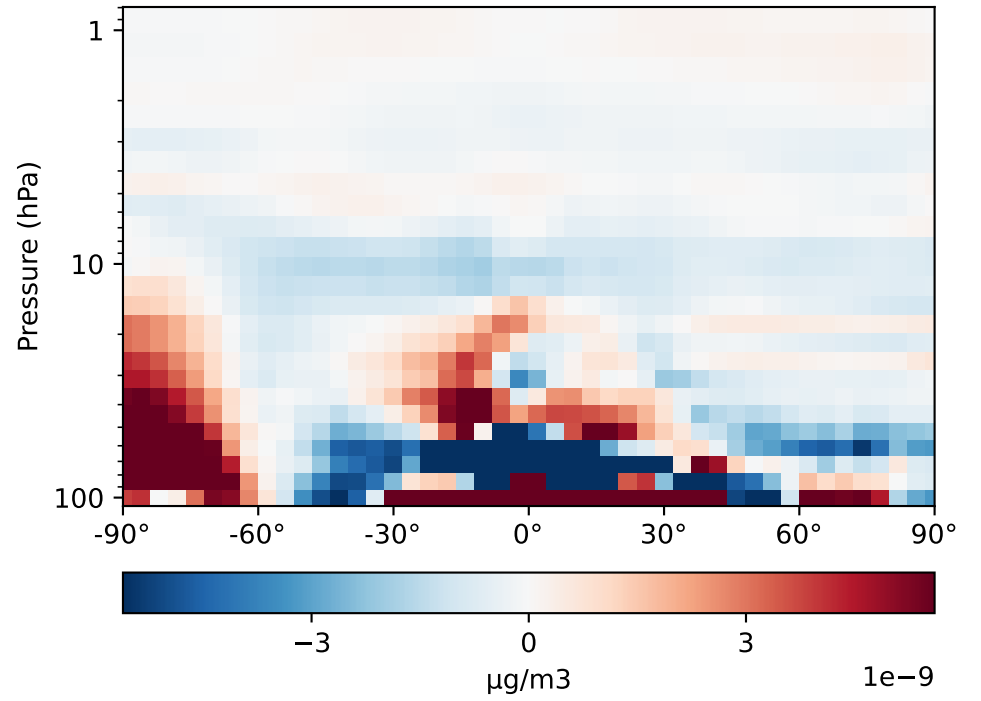
GCC\_14.2.0\_GEOS-FP (Dev)  
4.0x5.0



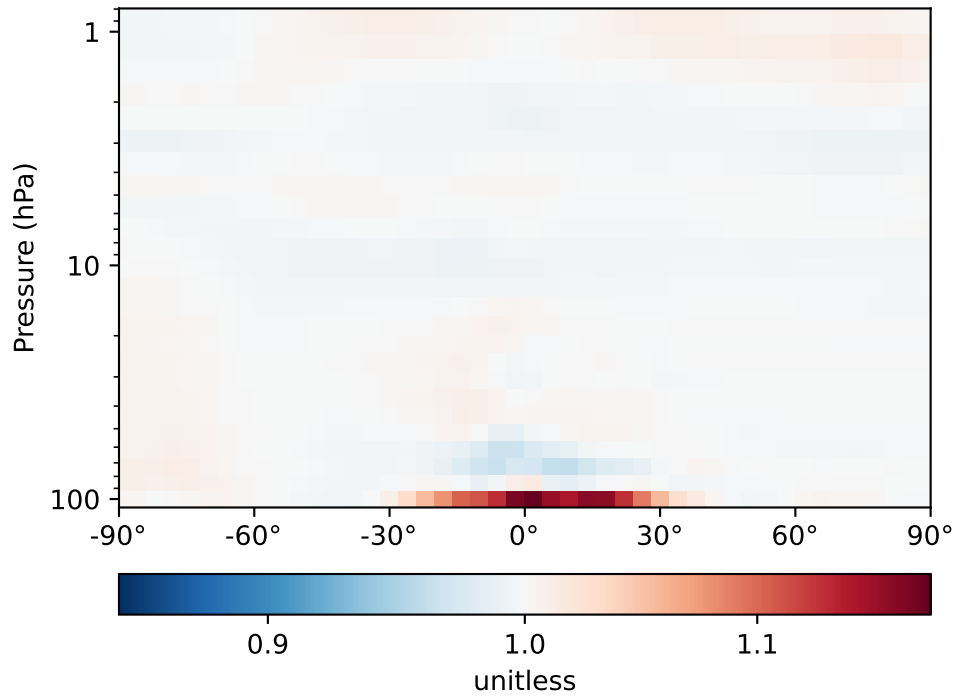
Difference  
Dev - Ref, Dynamic Range



Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



Ratio  
Dev/Ref, Fixed Range

