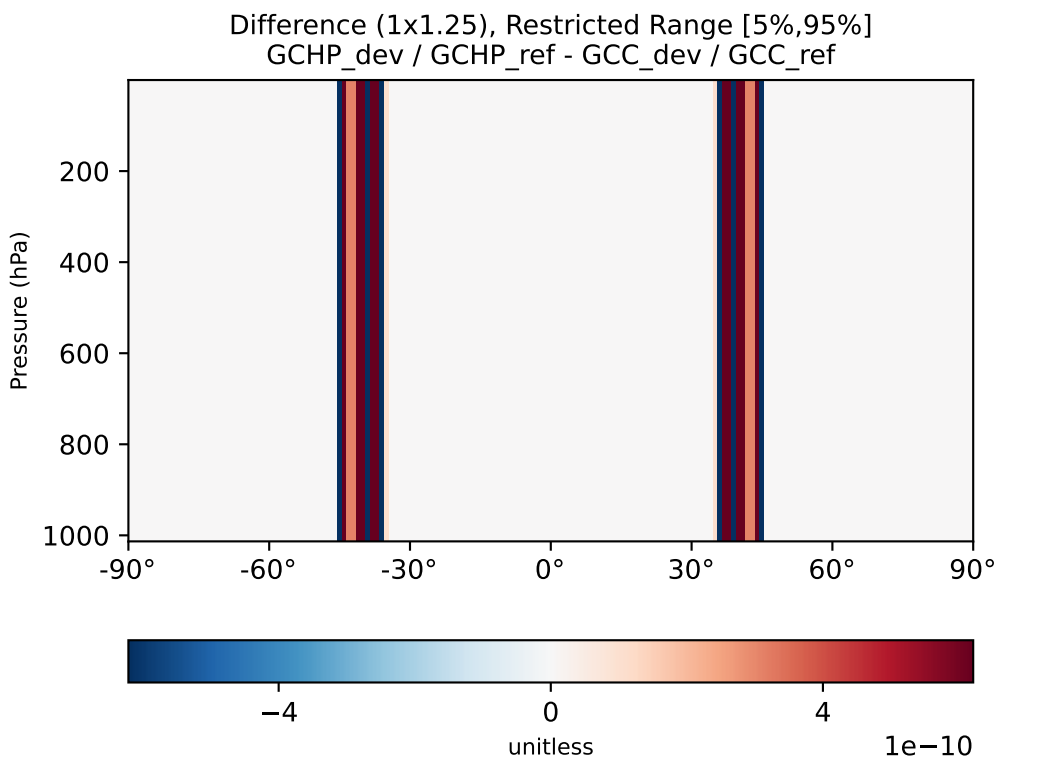
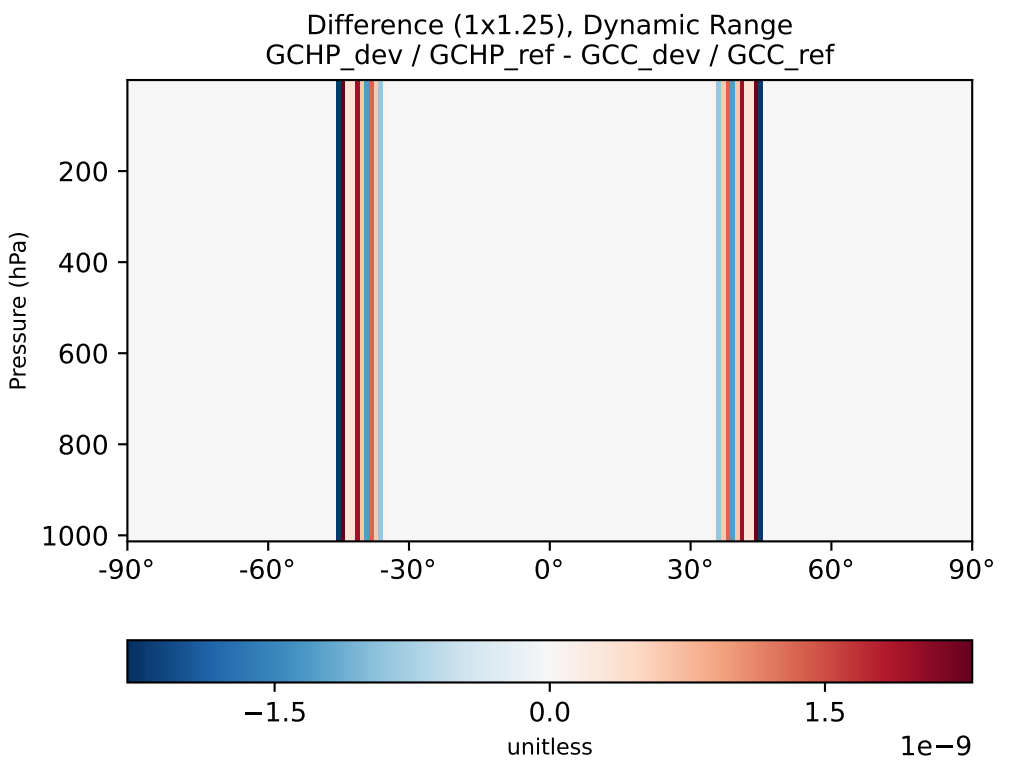
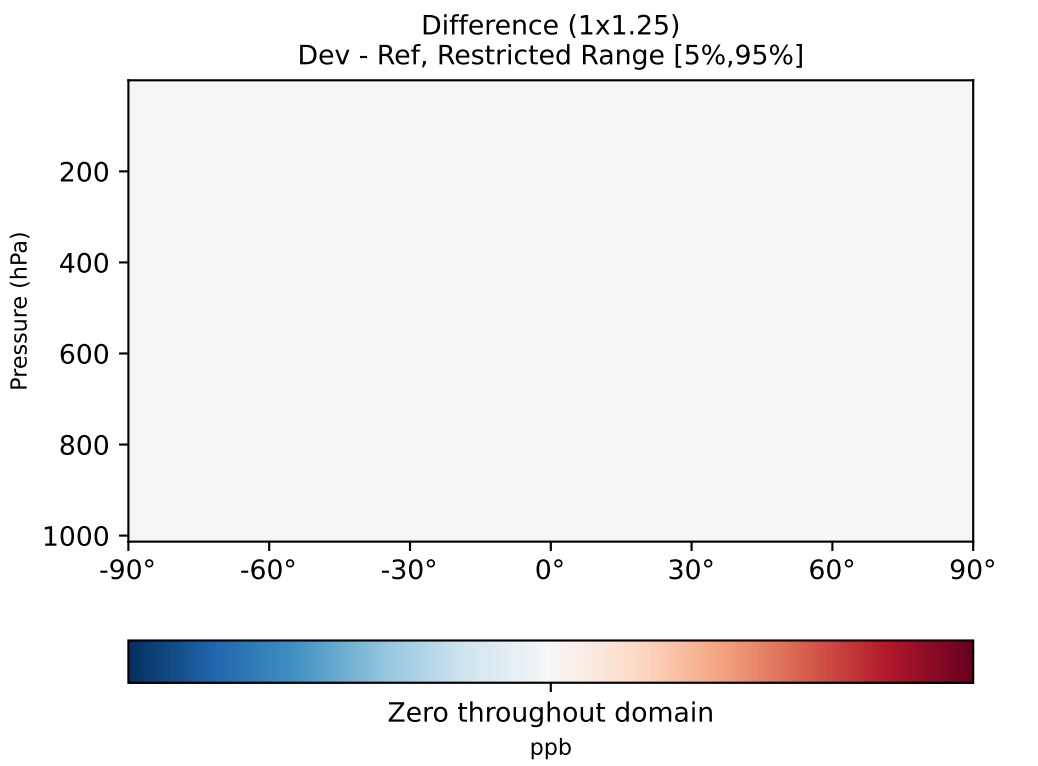
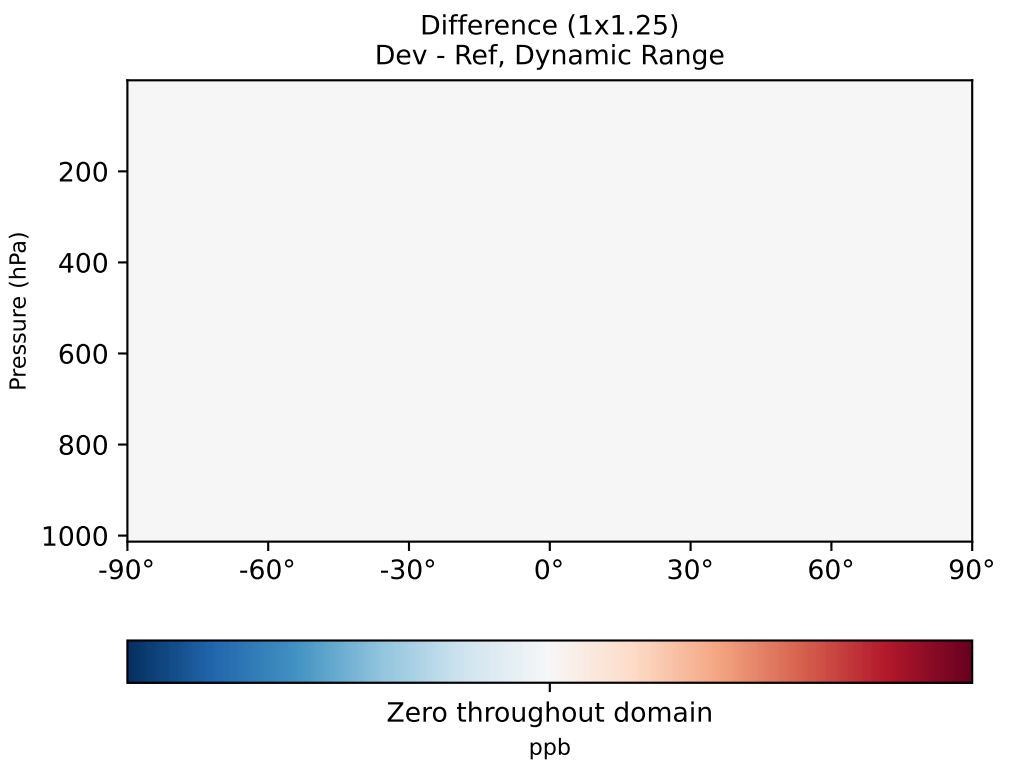
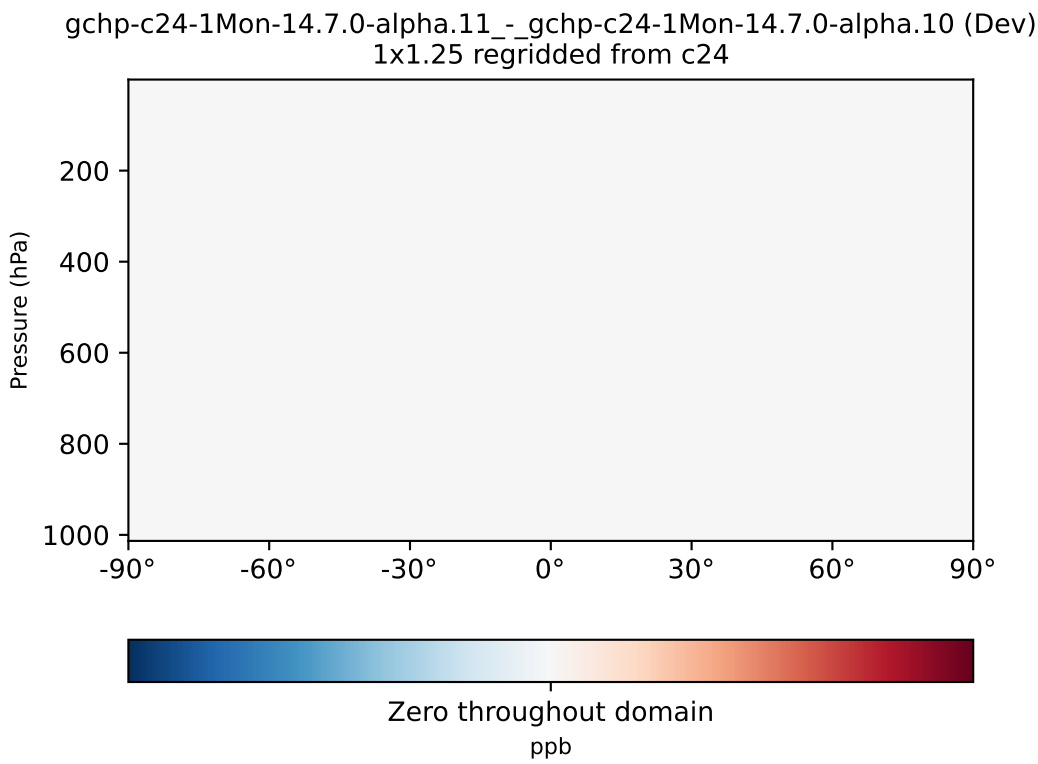
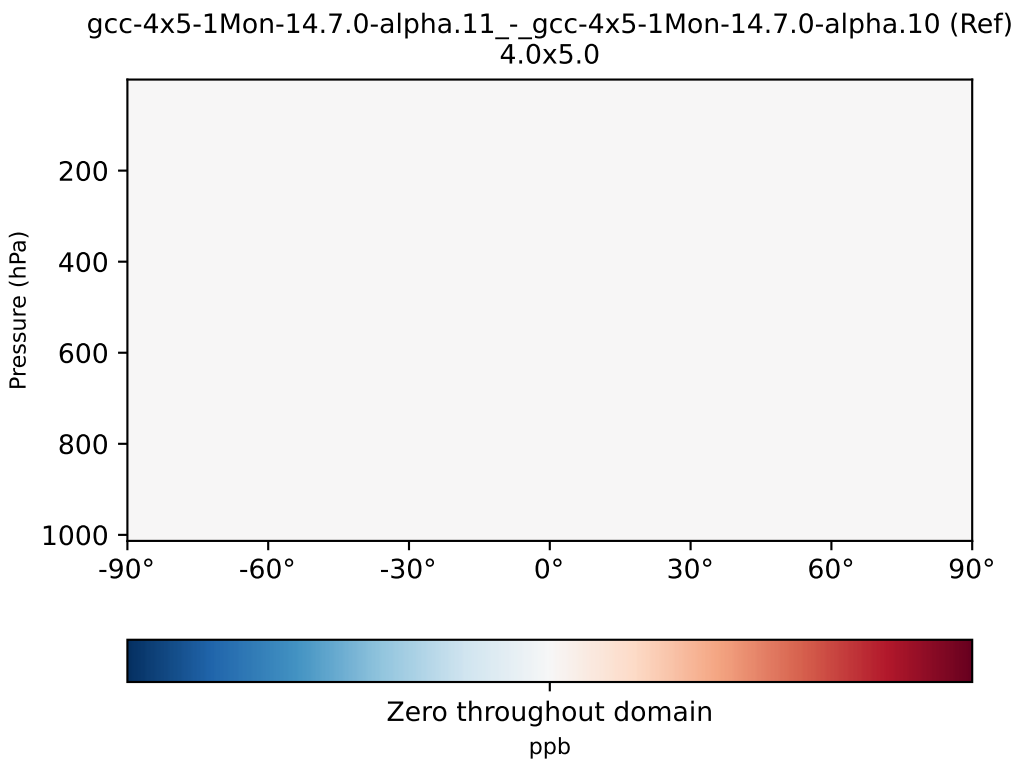
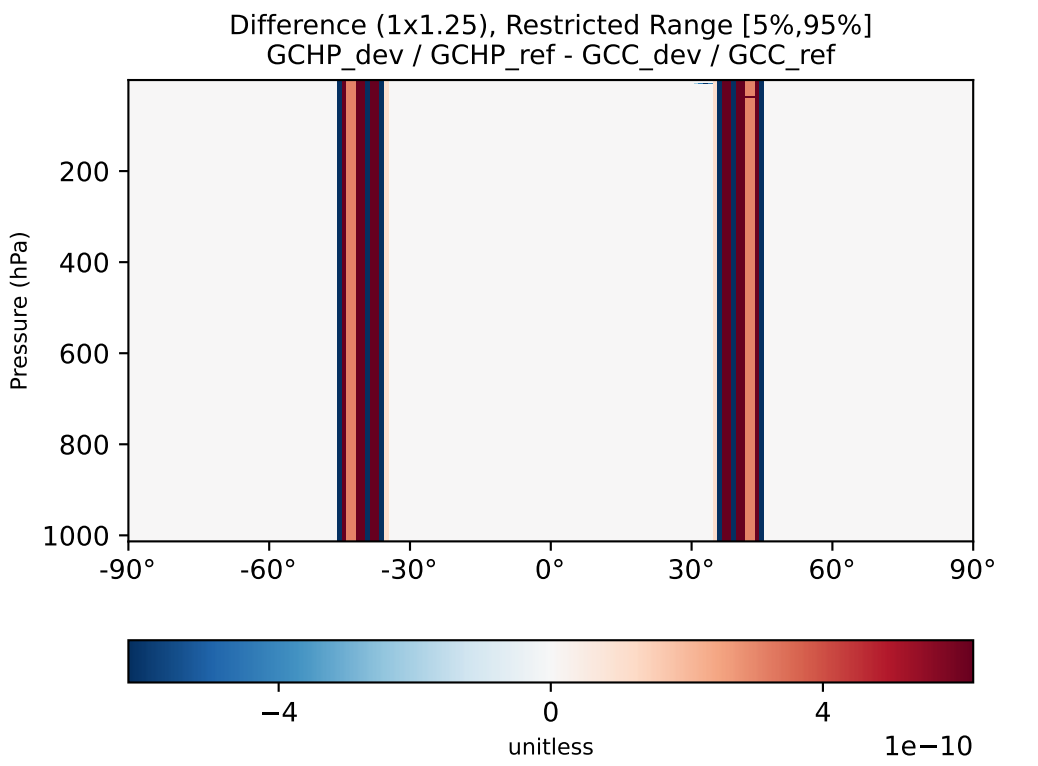
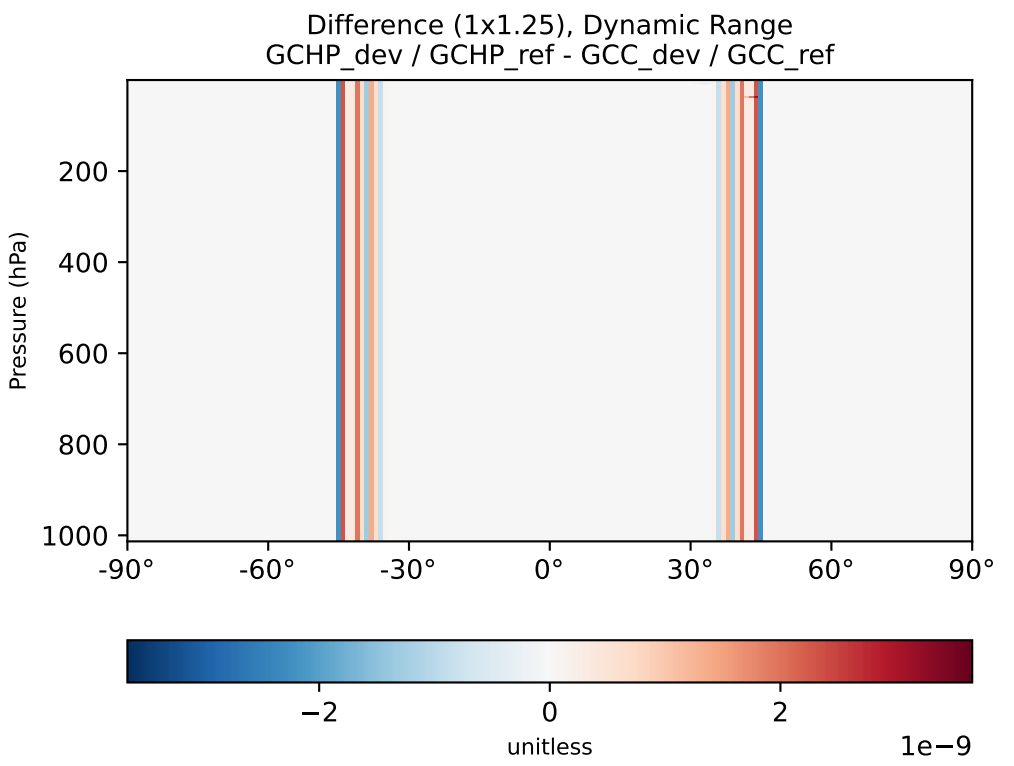
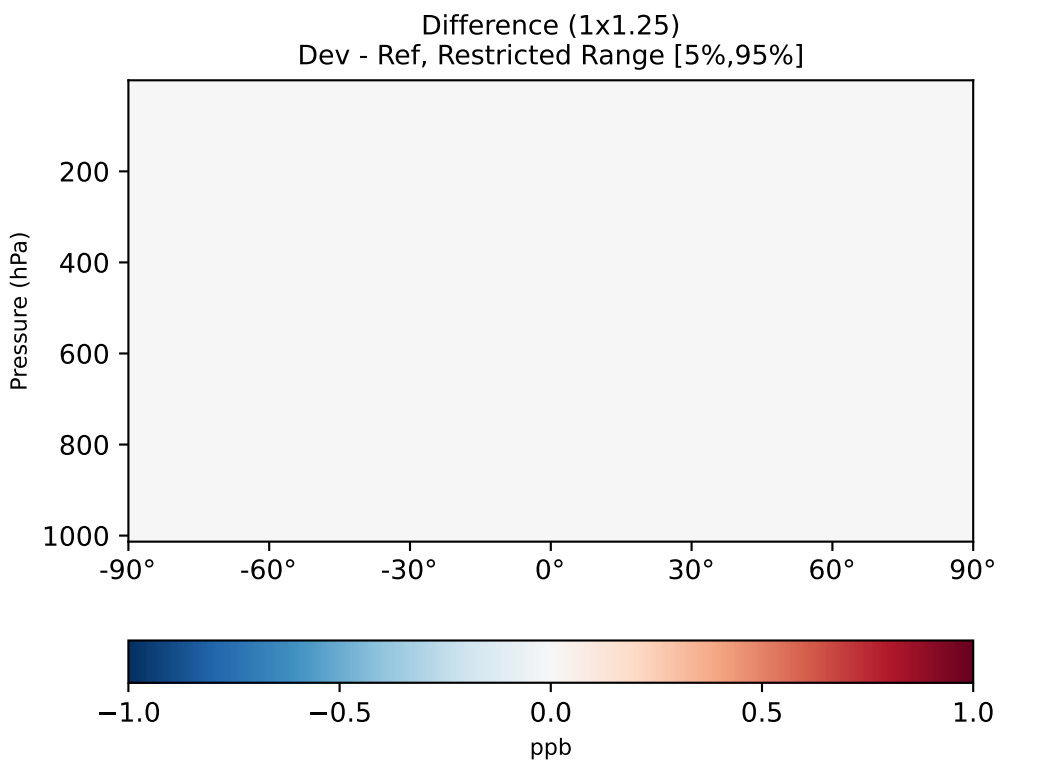
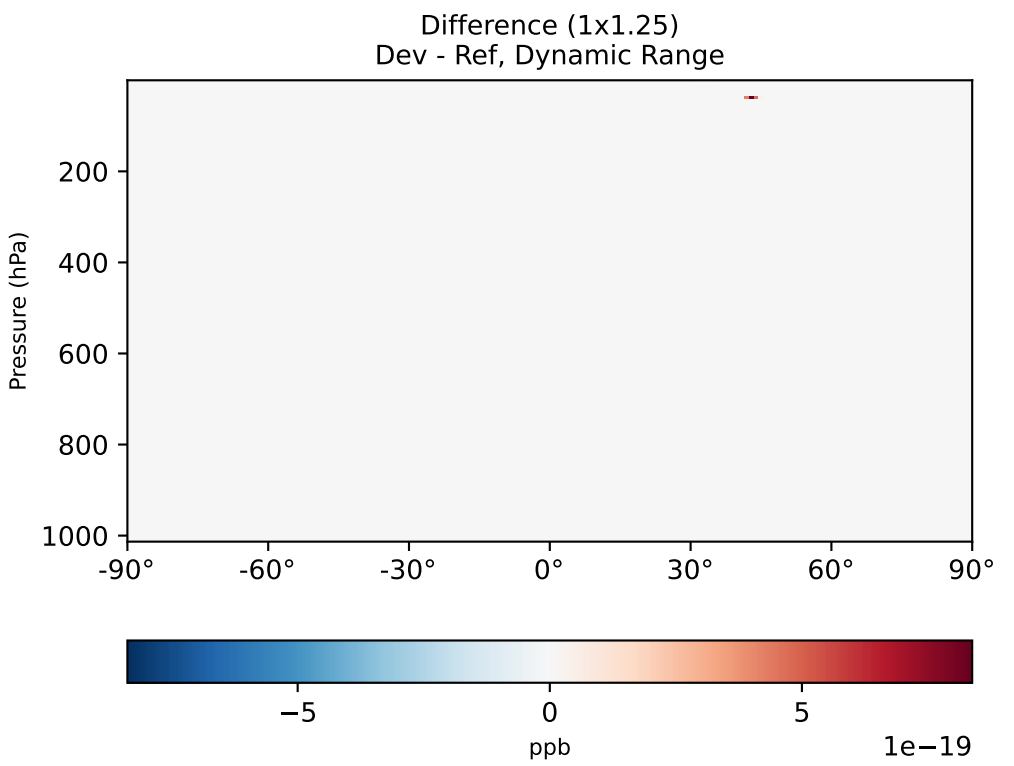
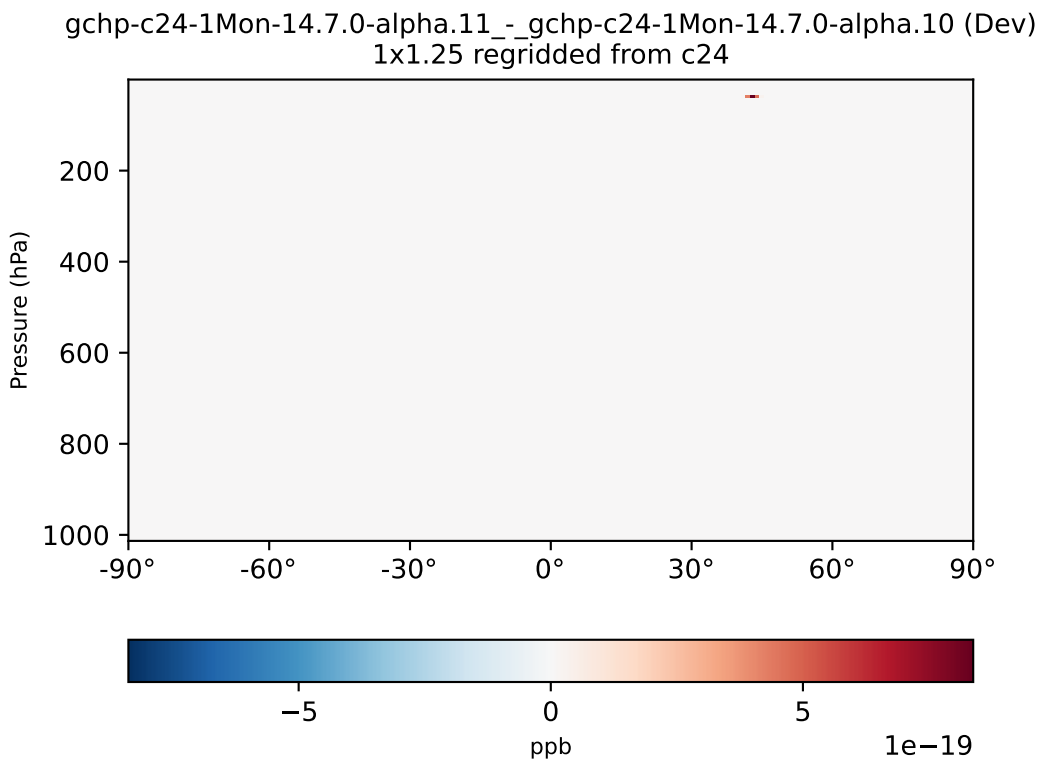
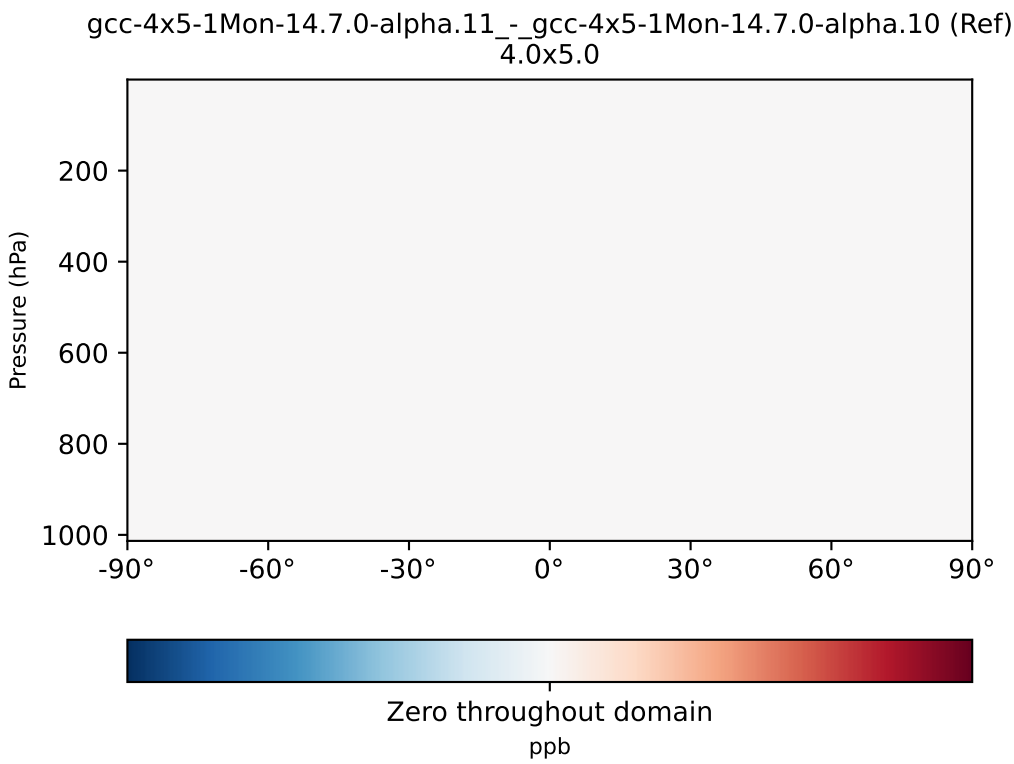


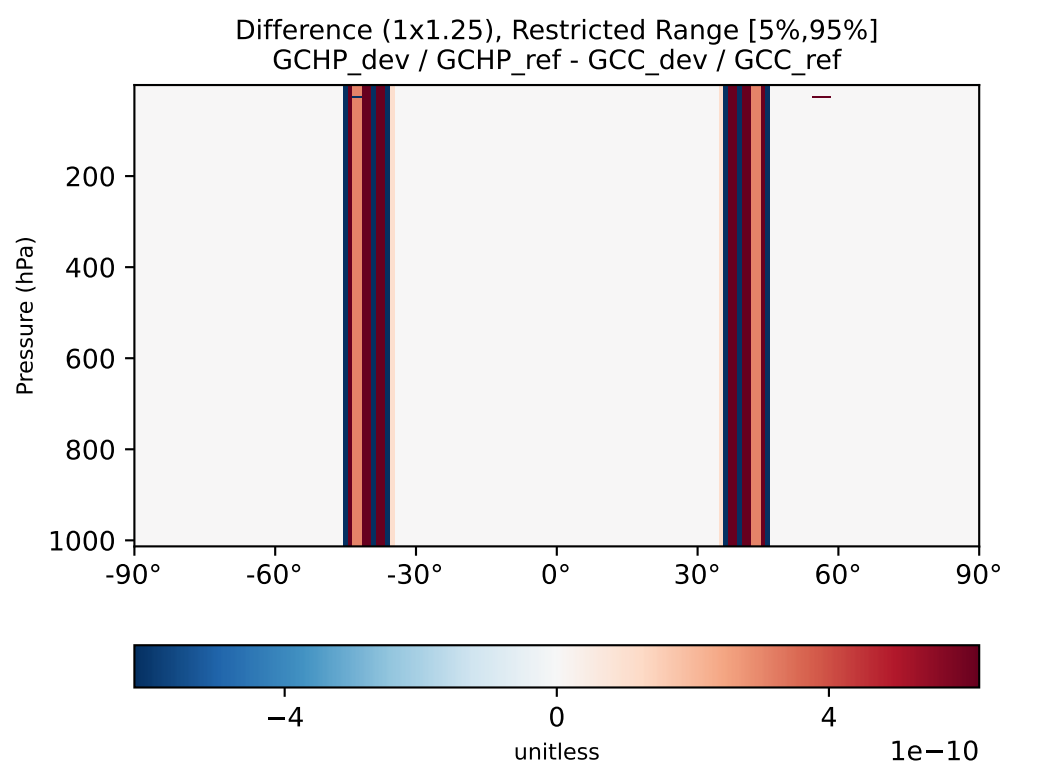
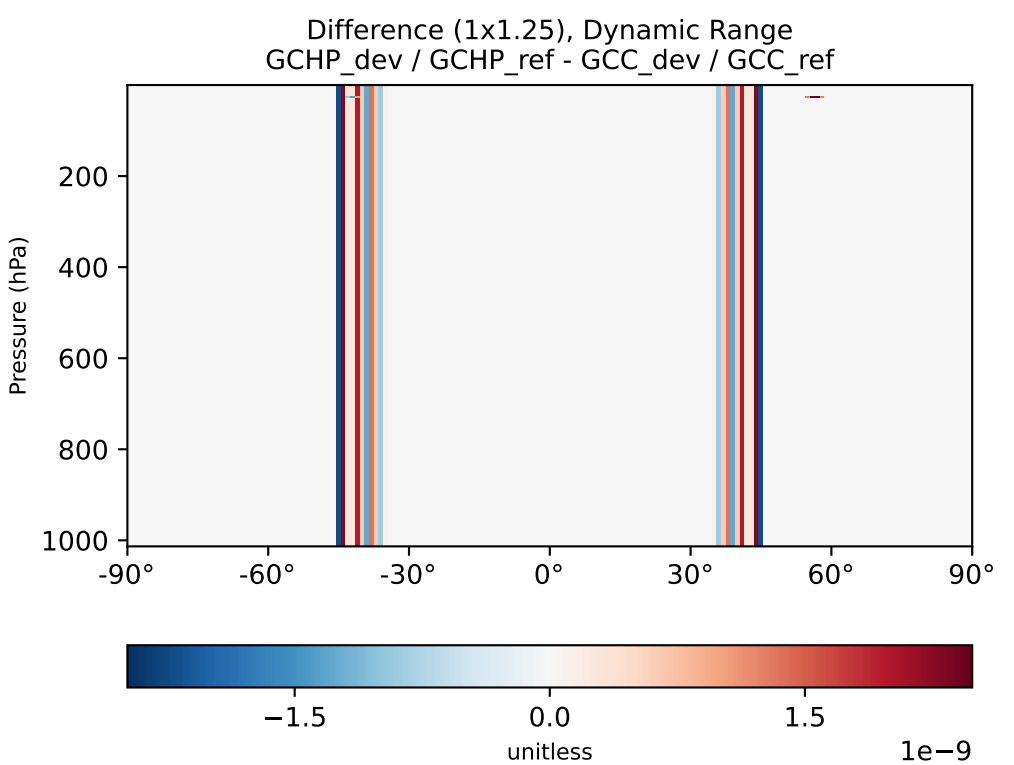
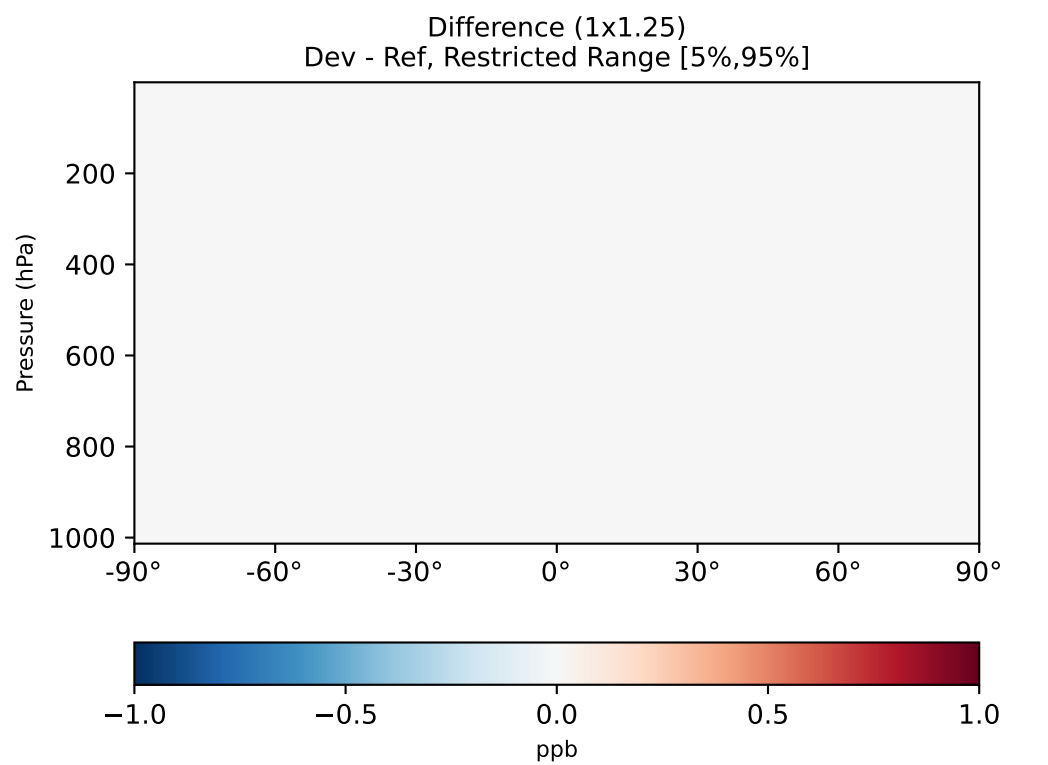
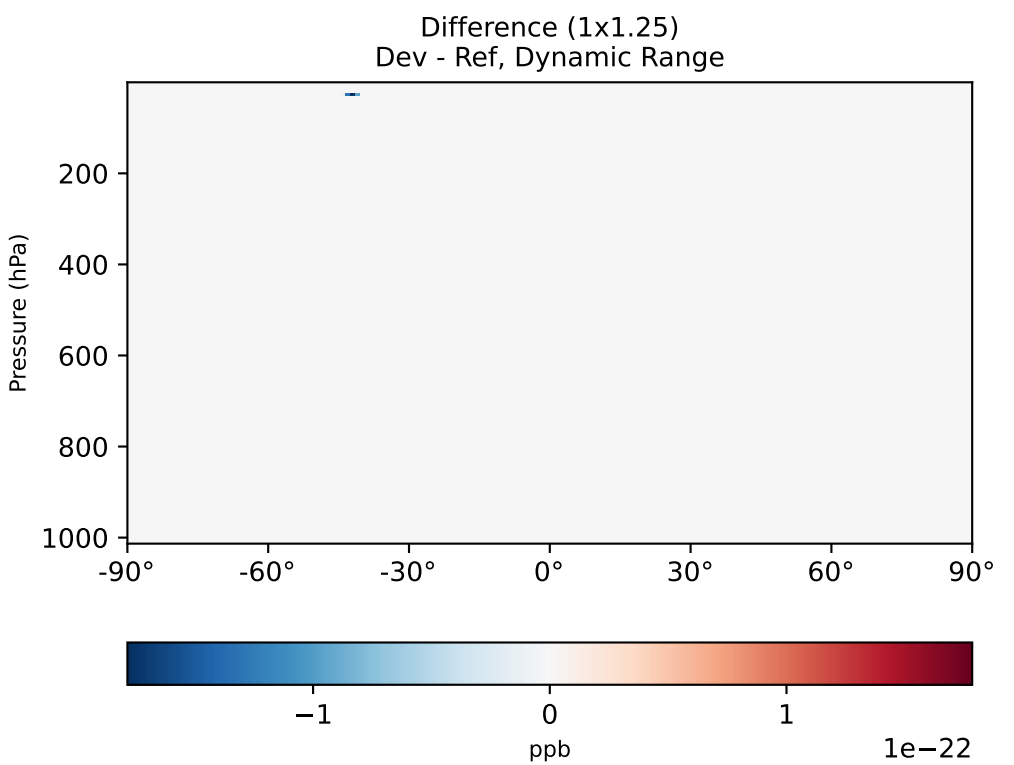
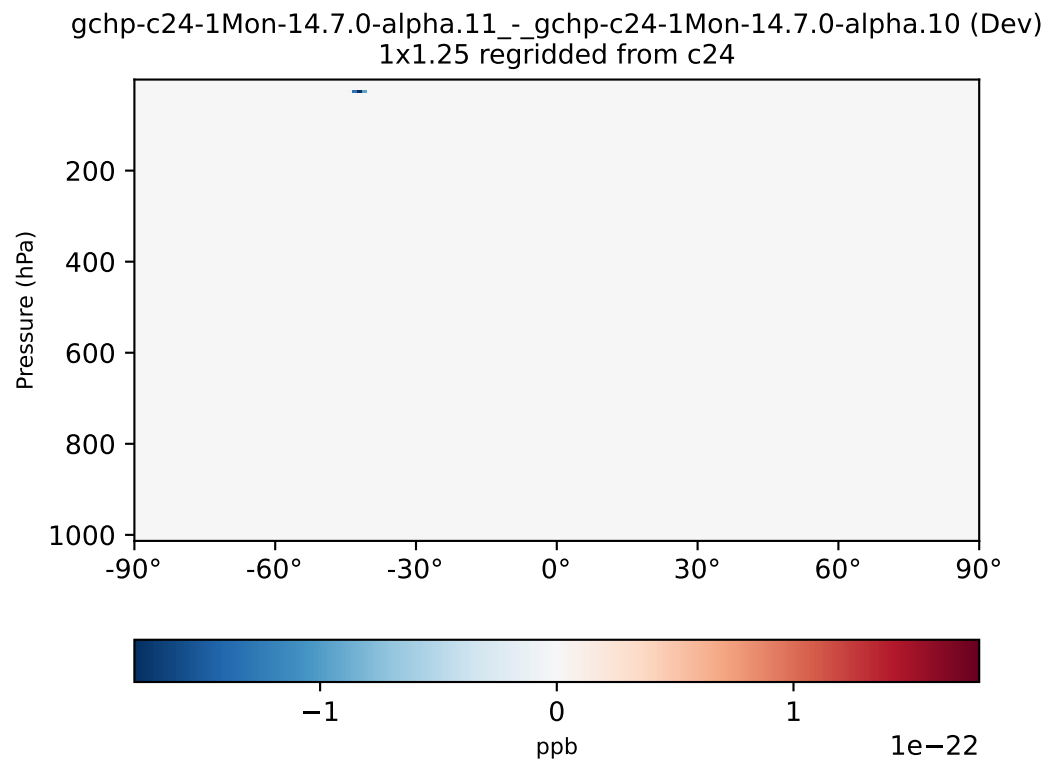
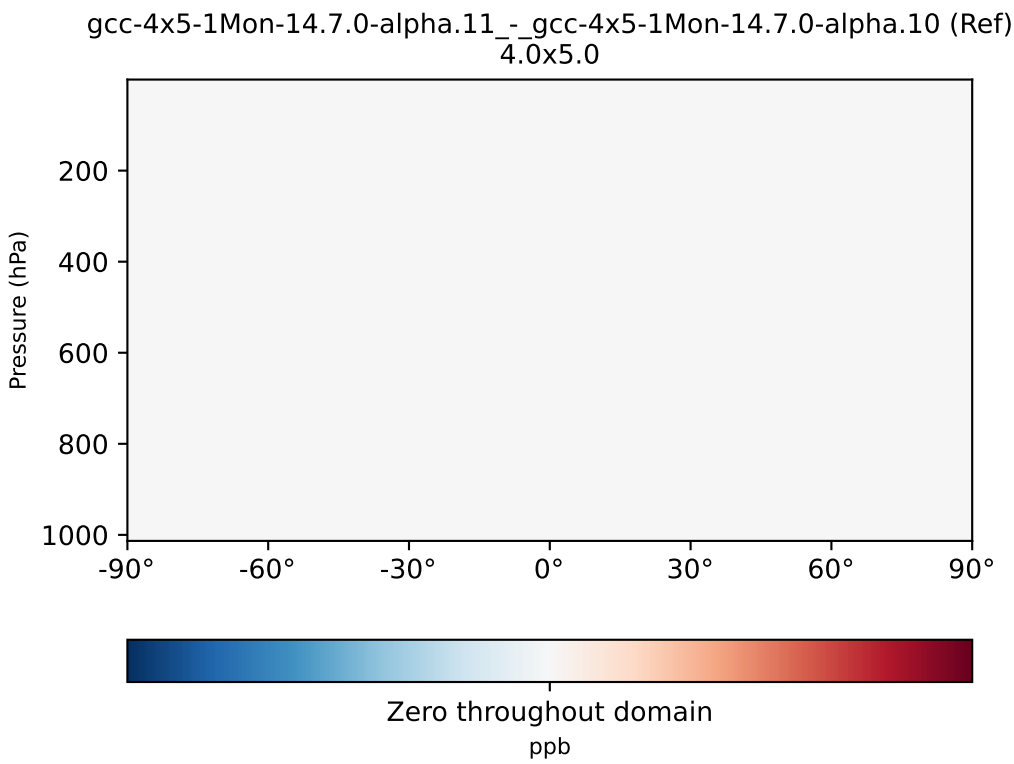
# SpeciesConcVV\_DST1, Zonal Mean



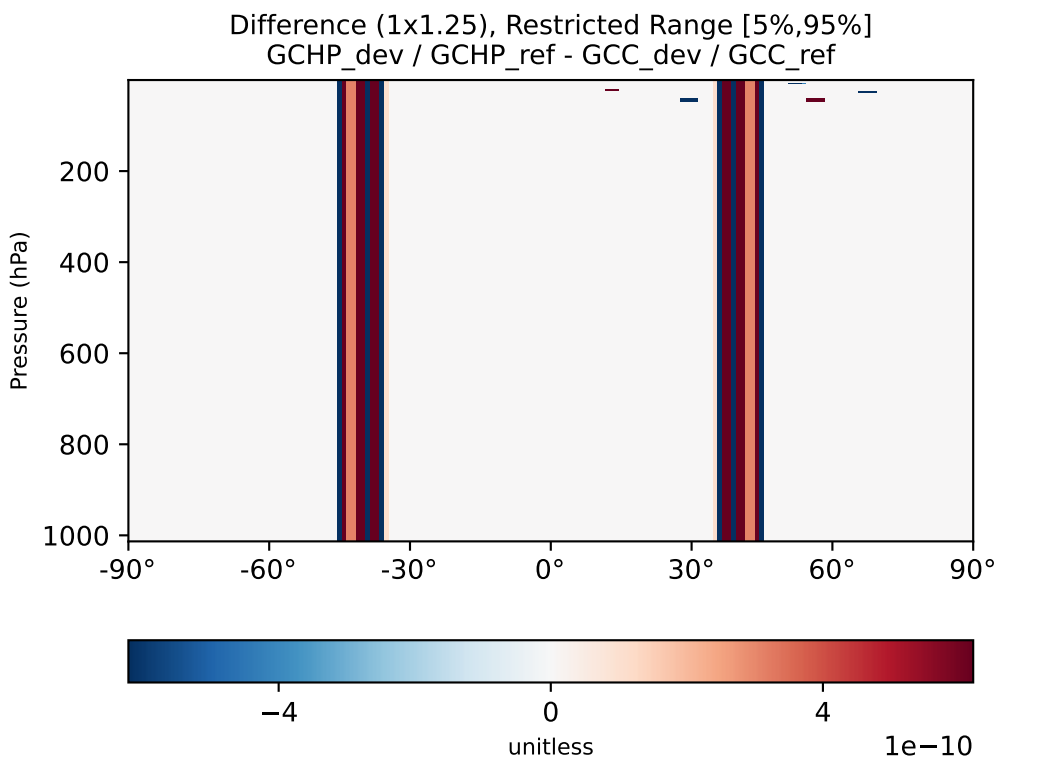
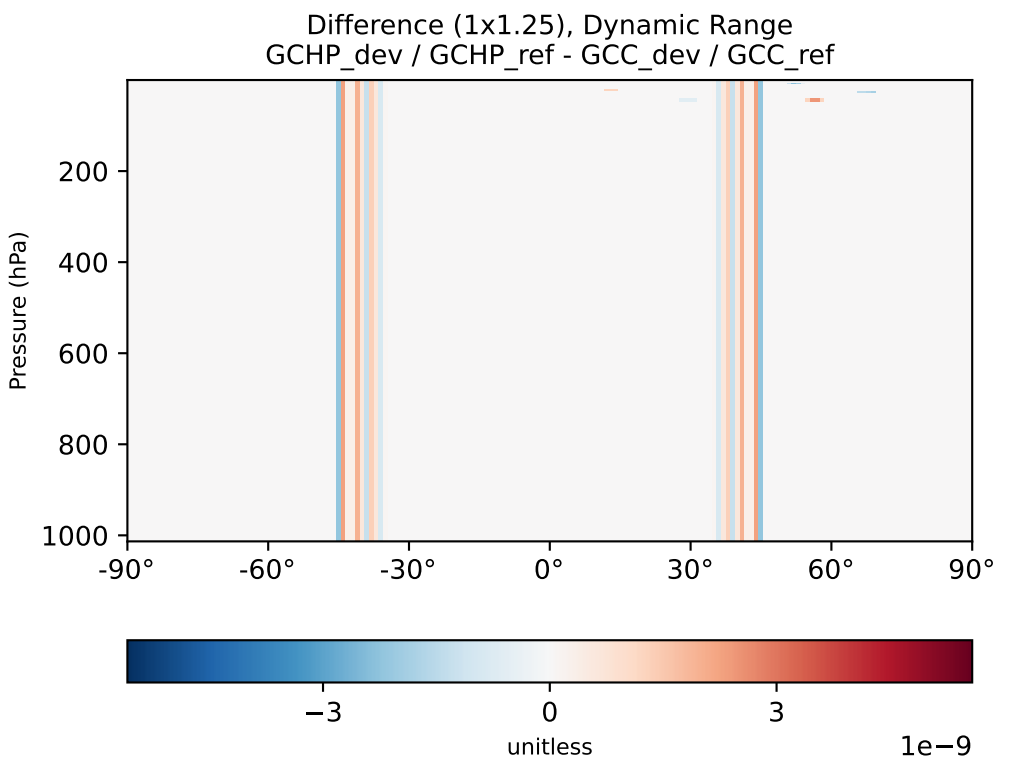
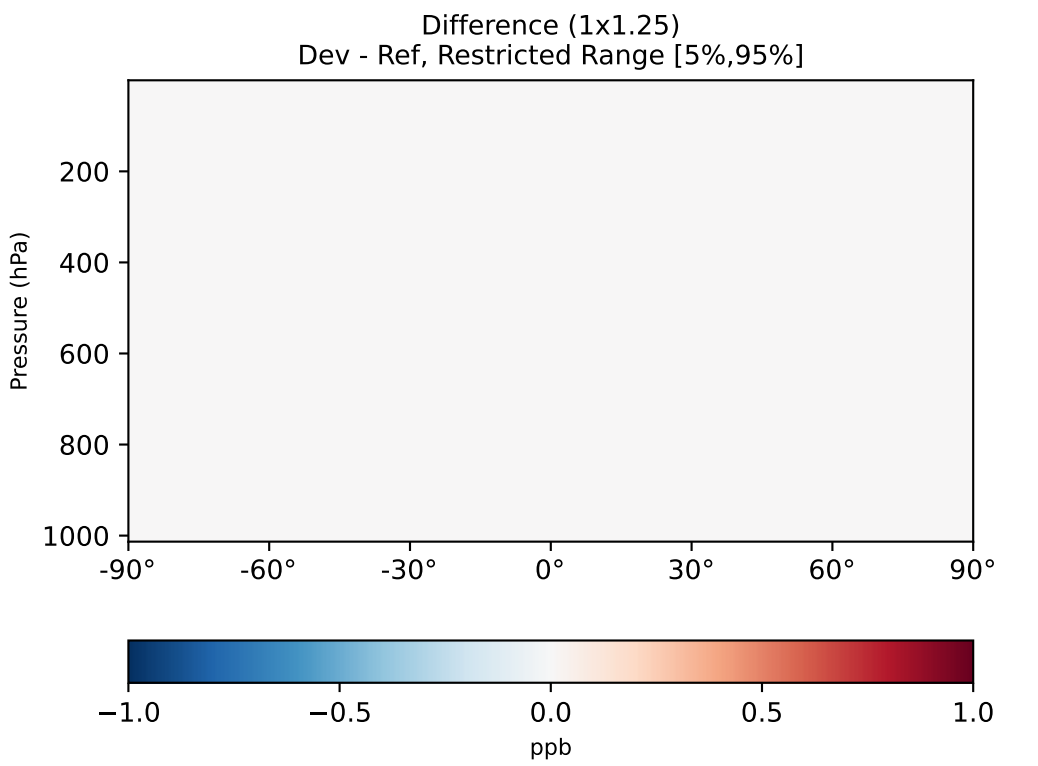
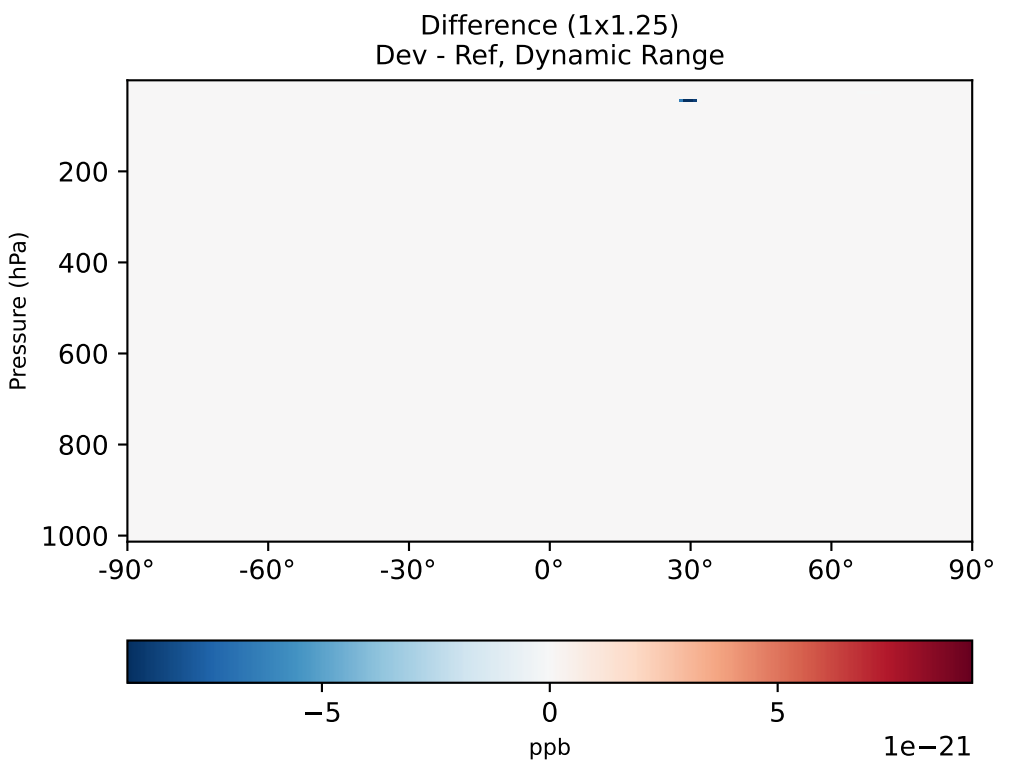
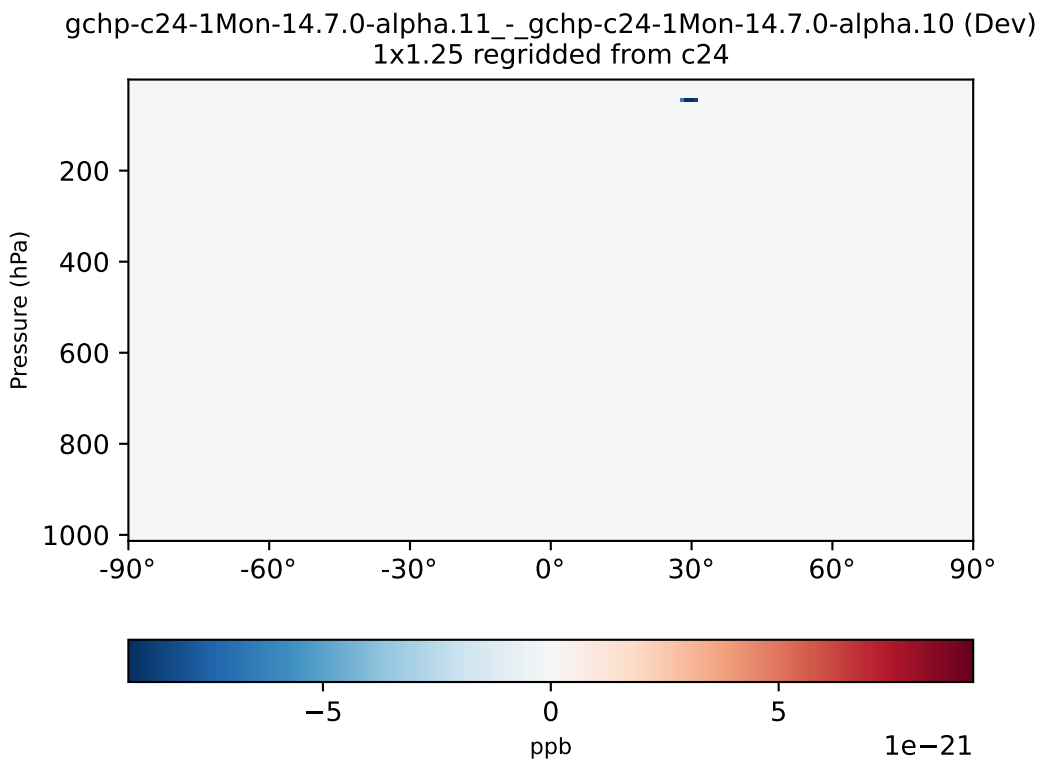
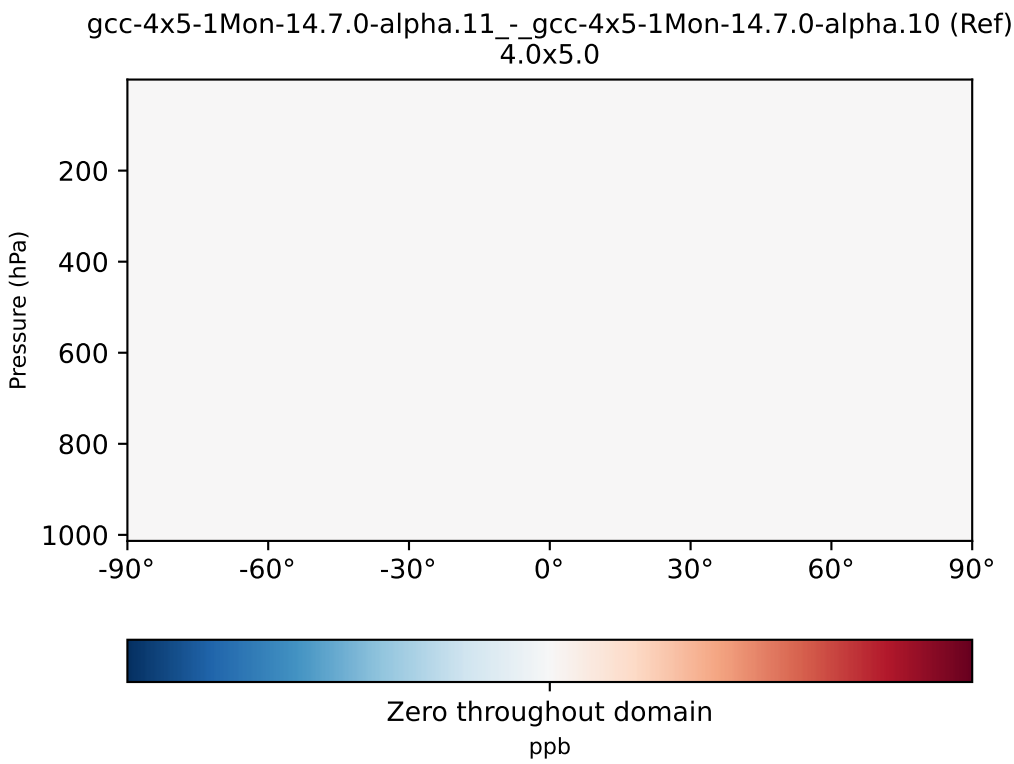
# SpeciesConcVV\_DST2, Zonal Mean



# SpeciesConcVV\_DST3, Zonal Mean



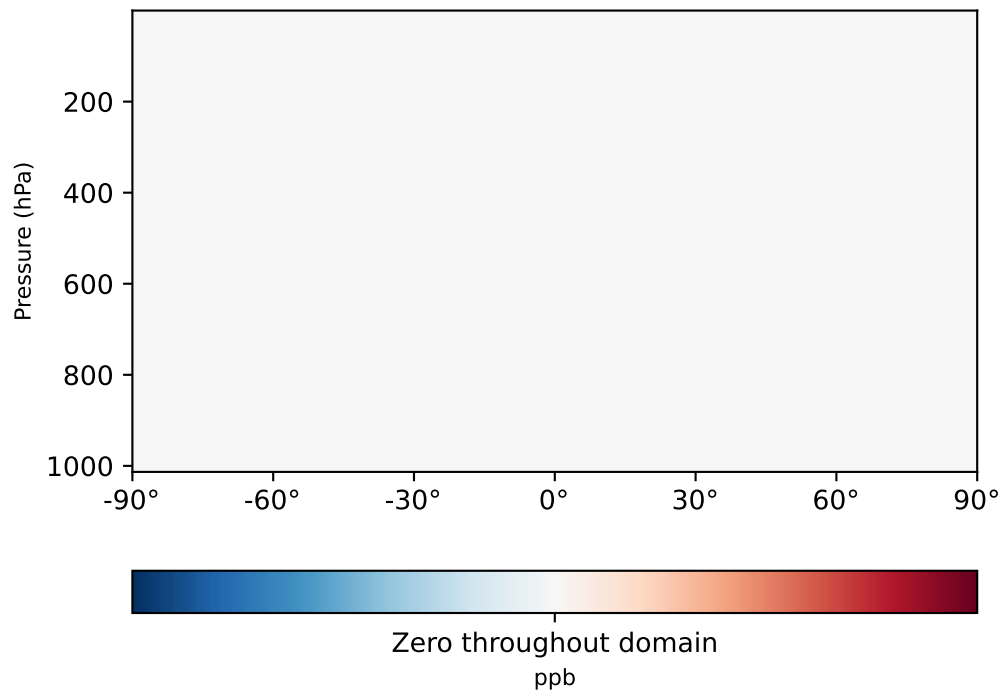
# SpeciesConcVV\_DST4, Zonal Mean



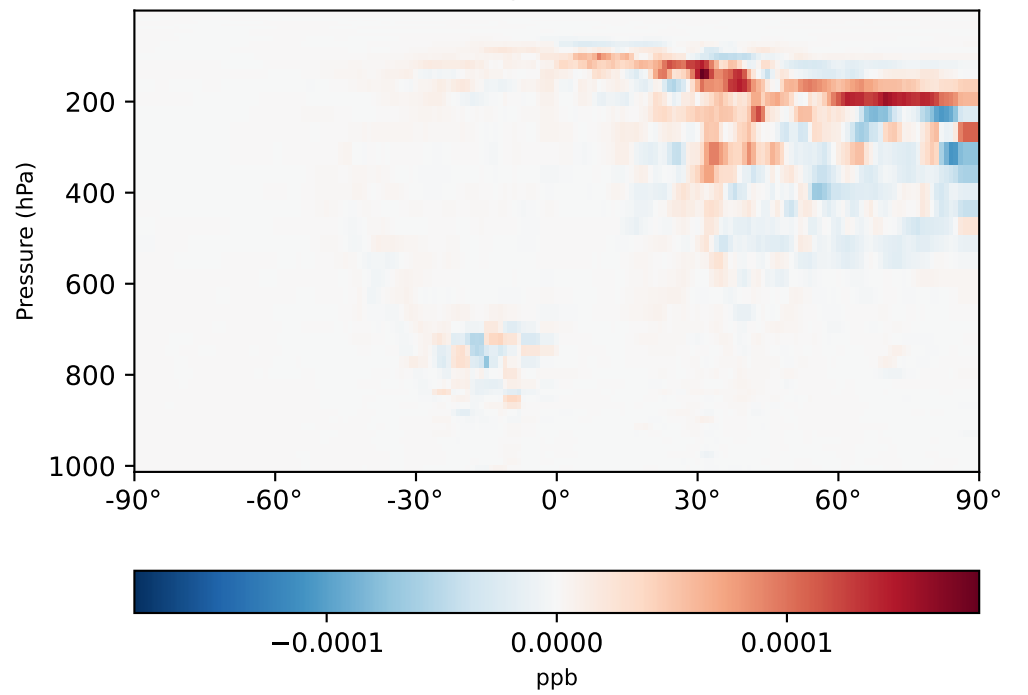


# SpeciesConcVV\_NH4, Zonal Mean

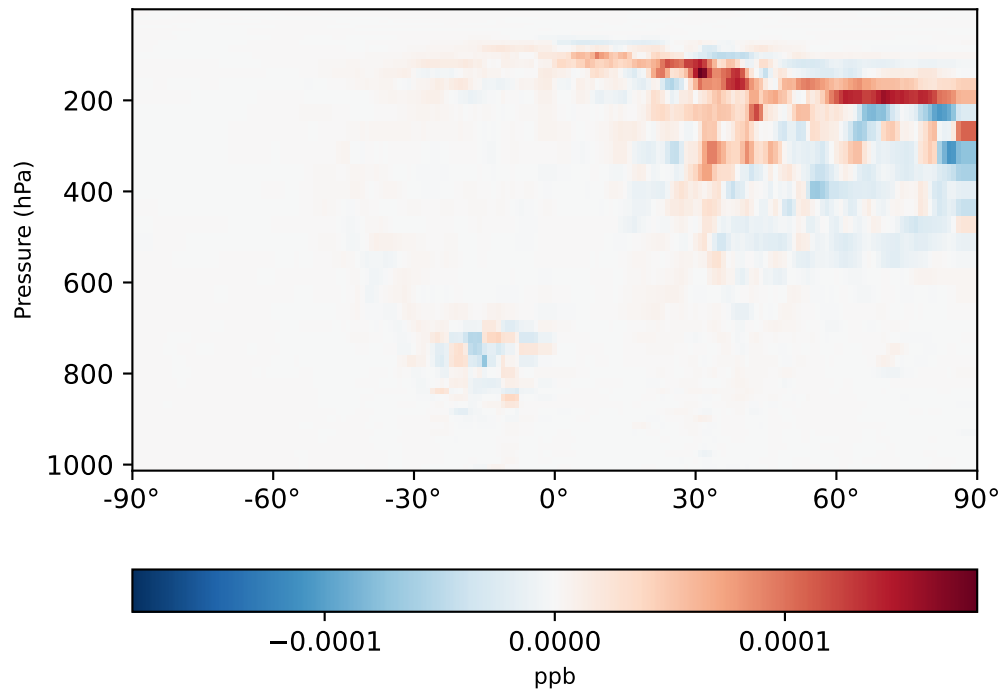
gcc-4x5-1Mon-14.7.0-alpha.11\_ - gcc-4x5-1Mon-14.7.0-alpha.10 (Ref)  
4.0x5.0



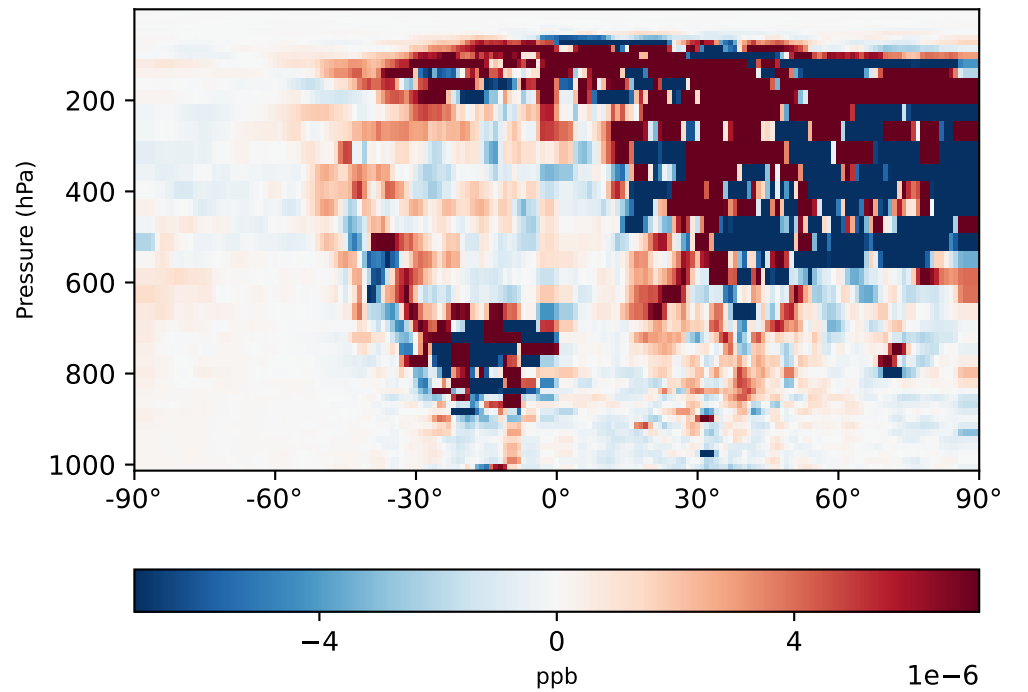
gchp-c24-1Mon-14.7.0-alpha.11\_ - gchp-c24-1Mon-14.7.0-alpha.10 (Dev)  
1x1.25 regridded from c24



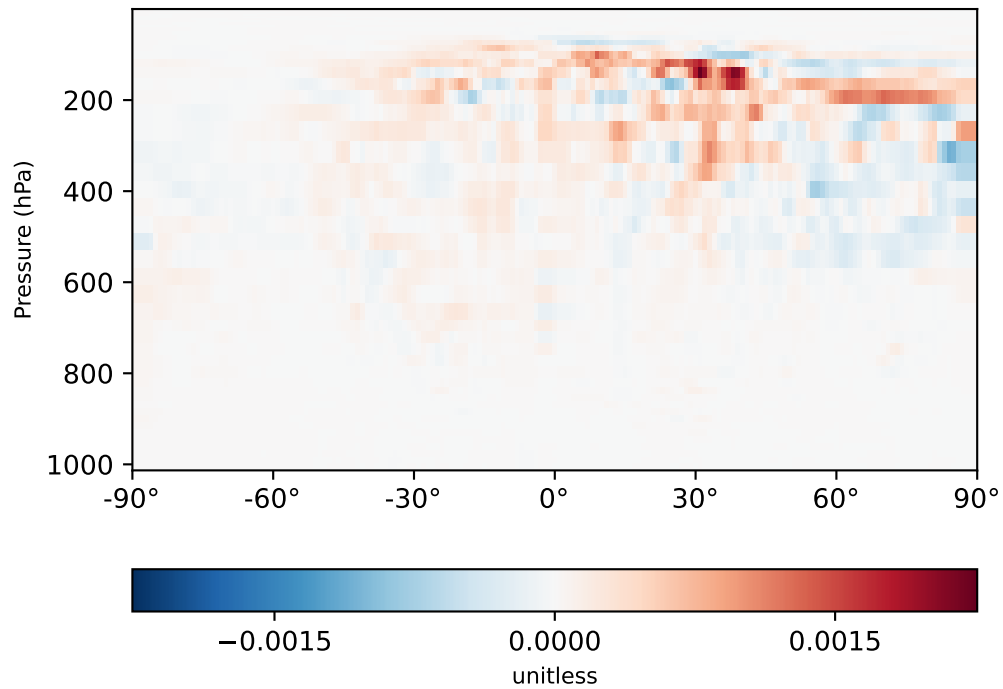
Difference (1x1.25)  
Dev - Ref, Dynamic Range



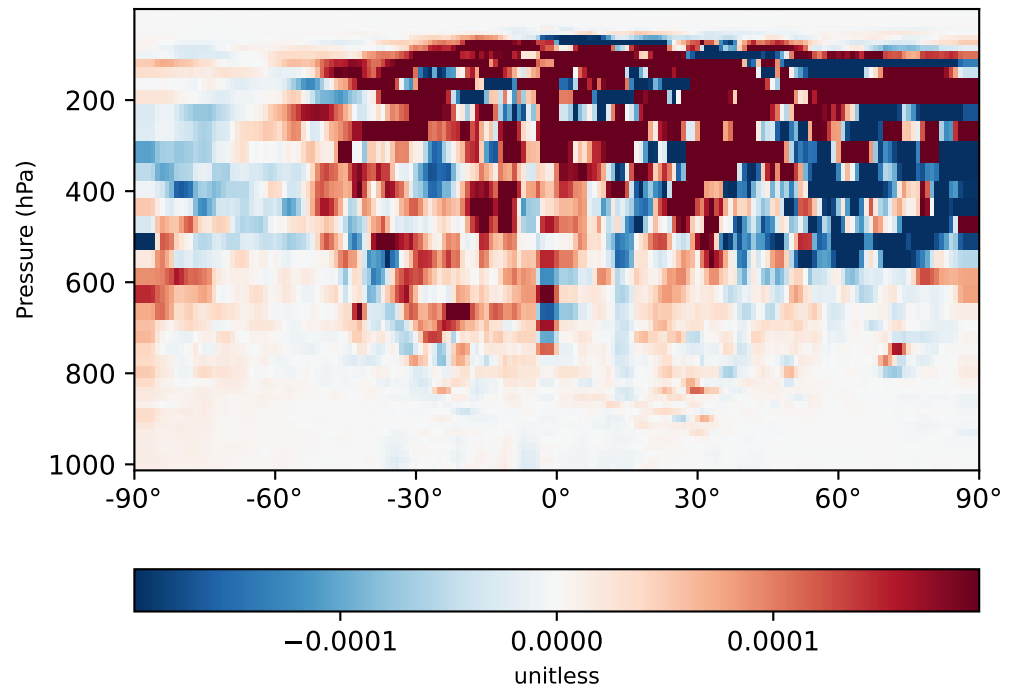
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

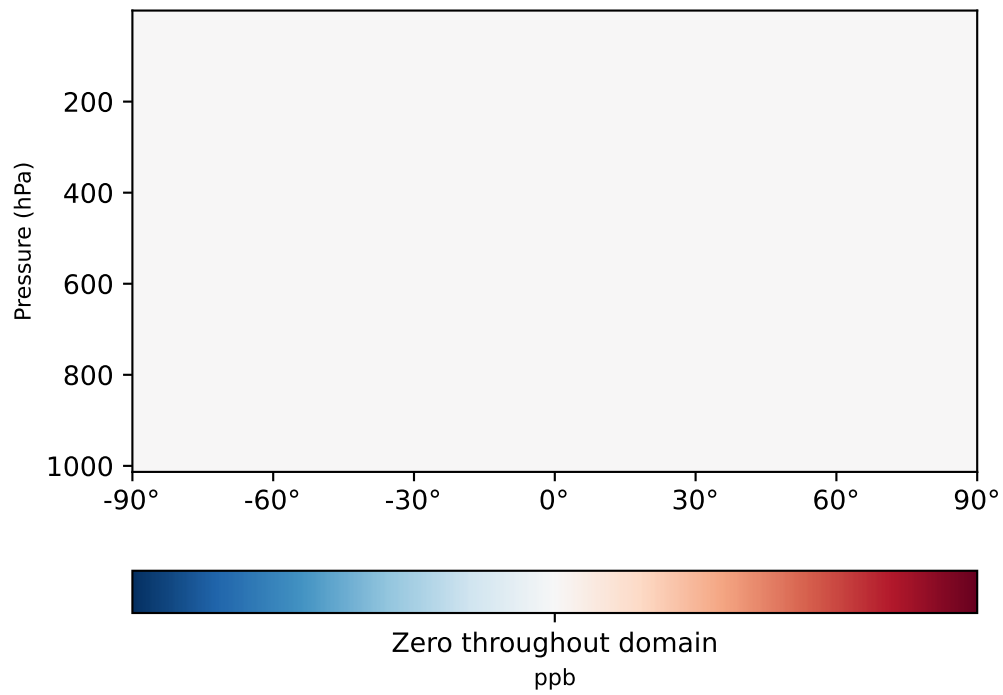


Difference (1x1.25), Restricted Range [5%,95%]  
GCHP\_dev / GCHP\_ref - GCC\_dev / GCC\_ref

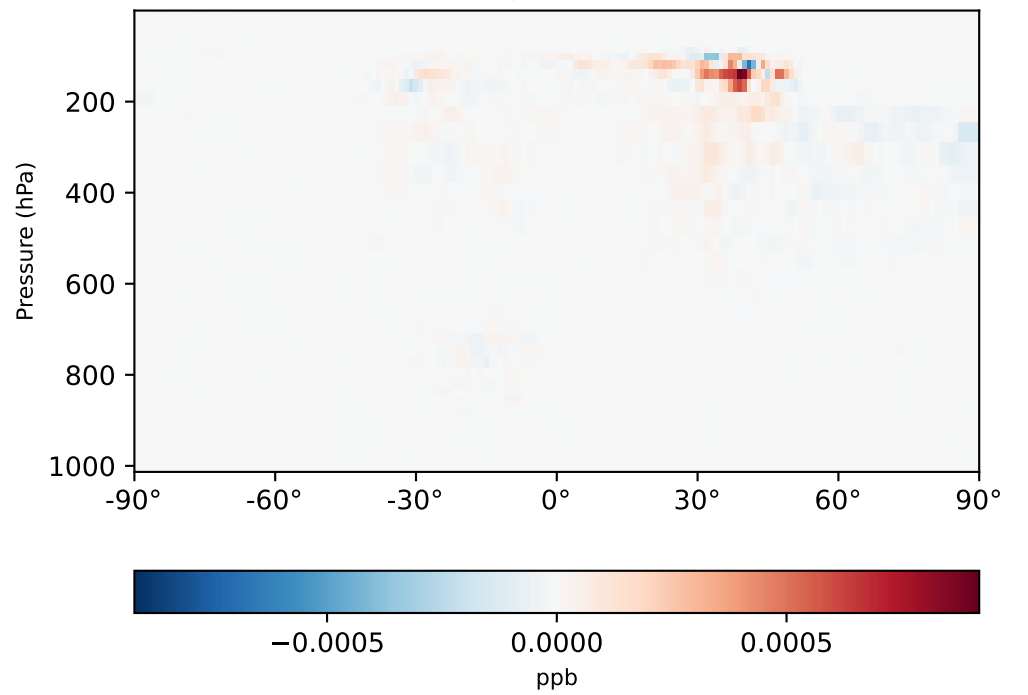


# SpeciesConcVV\_NIT, Zonal Mean

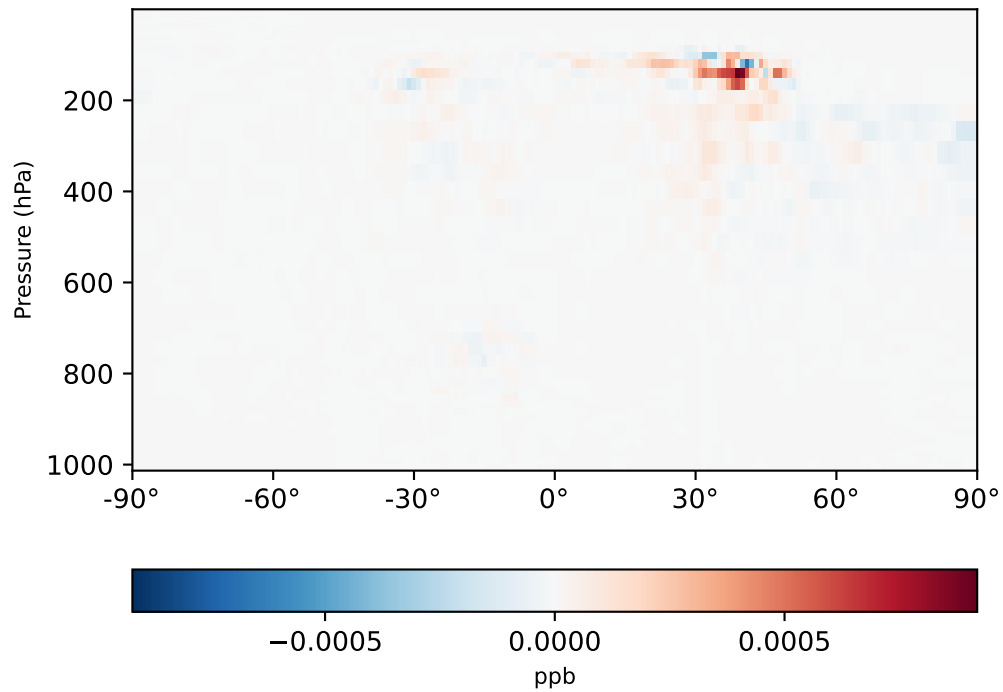
gcc-4x5-1Mon-14.7.0-alpha.11\_ - gcc-4x5-1Mon-14.7.0-alpha.10 (Ref)  
4.0x5.0



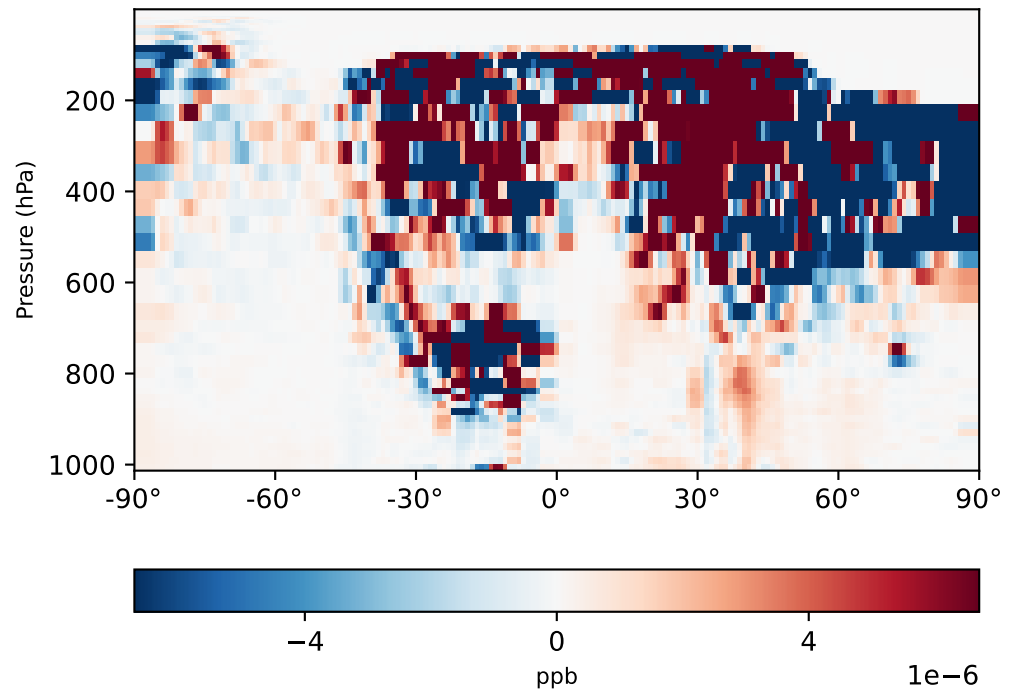
gchp-c24-1Mon-14.7.0-alpha.11\_ - gchp-c24-1Mon-14.7.0-alpha.10 (Dev)  
1x1.25 regridded from c24



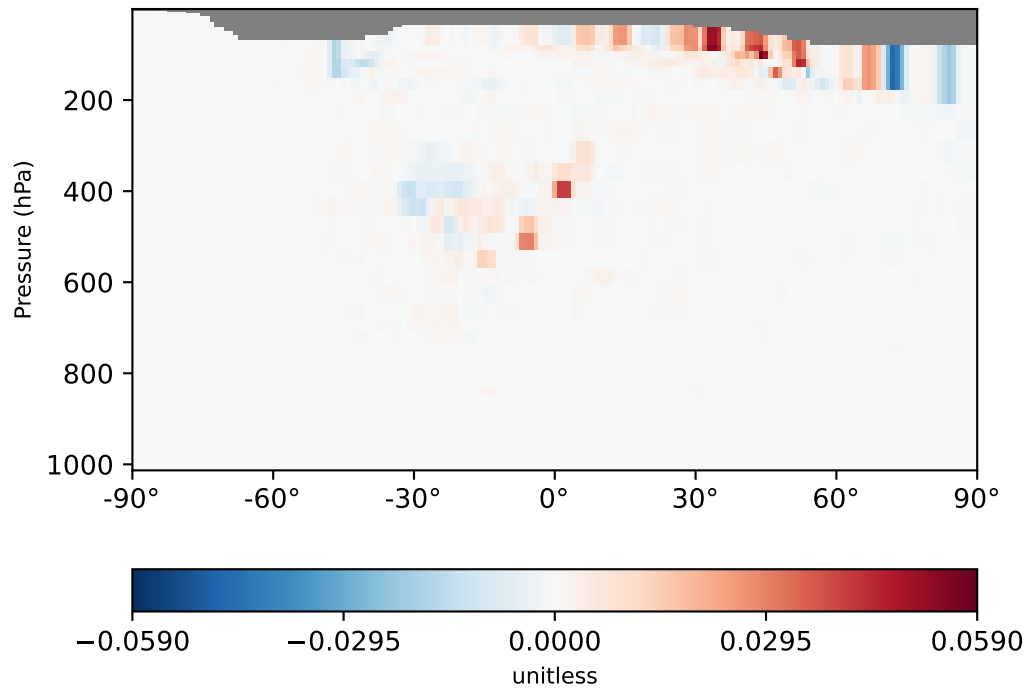
Difference (1x1.25)  
Dev - Ref, Dynamic Range



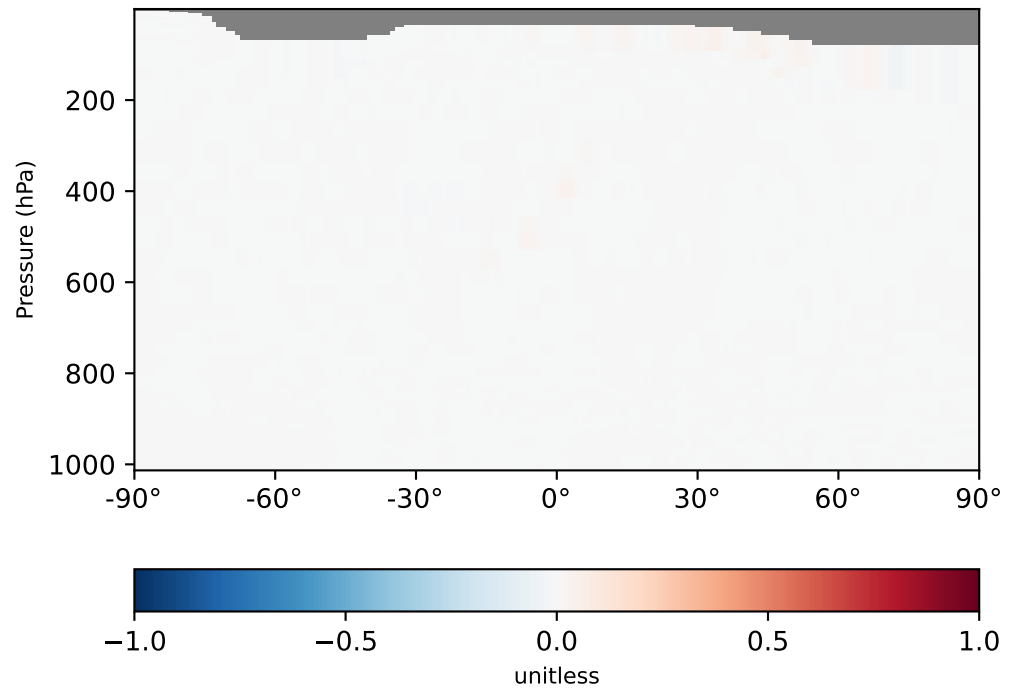
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

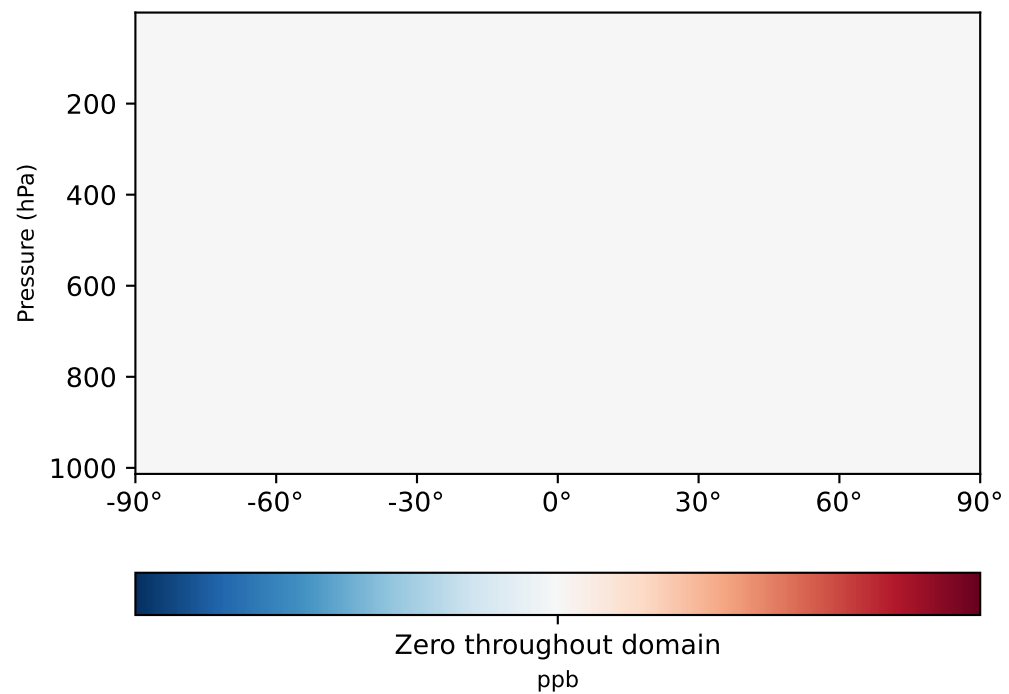


Difference (1x1.25), Restricted Range [5%,95%]  
GCHP\_dev / GCHP\_ref - GCC\_dev / GCC\_ref

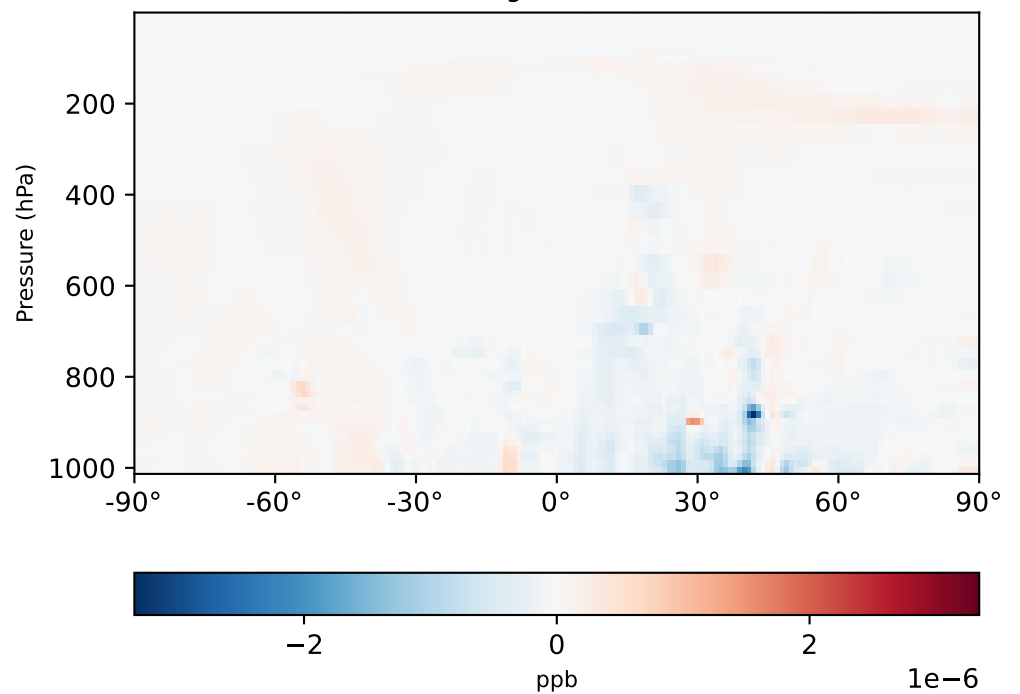


# SpeciesConcVV\_SO4, Zonal Mean

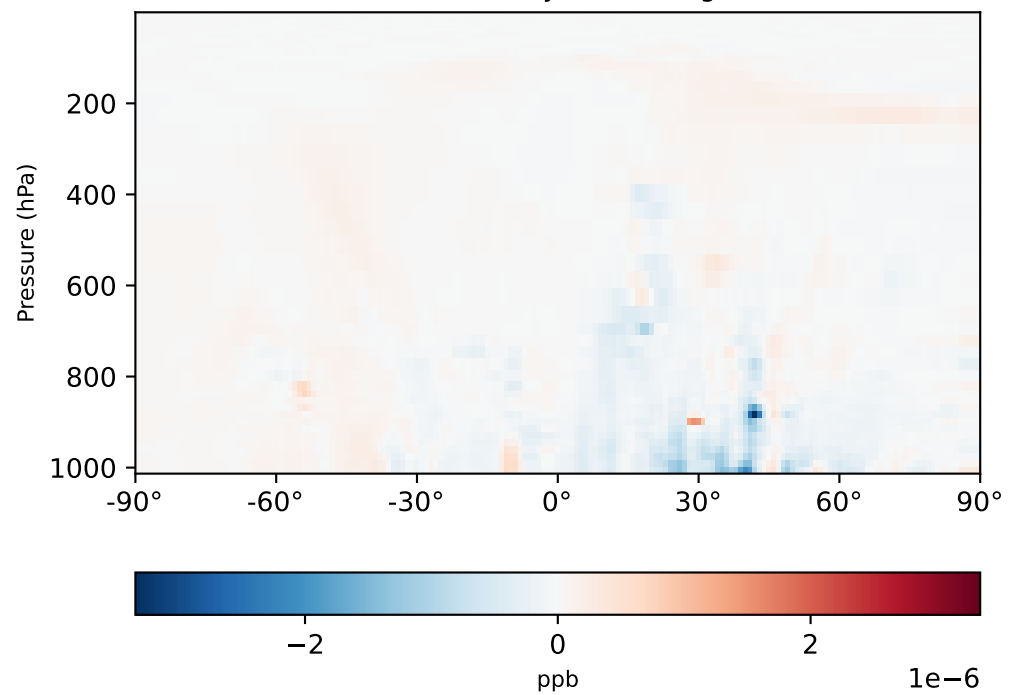
gcc-4x5-1Mon-14.7.0-alpha.11\_ - gcc-4x5-1Mon-14.7.0-alpha.10 (Ref)  
4.0x5.0



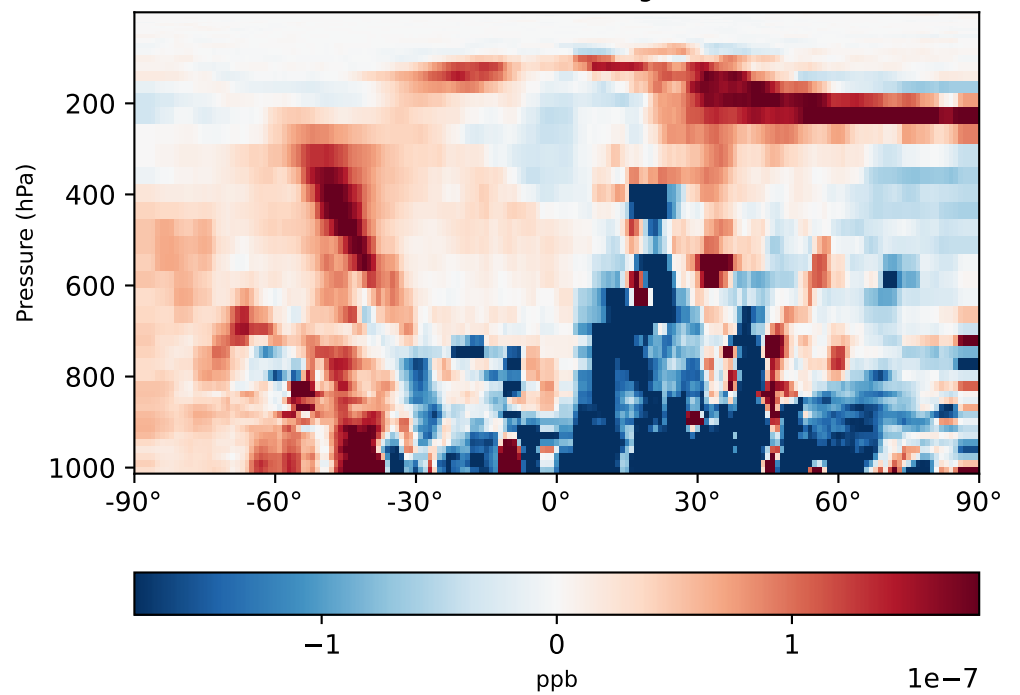
gchp-c24-1Mon-14.7.0-alpha.11\_ - gchp-c24-1Mon-14.7.0-alpha.10 (Dev)  
1x1.25 regridded from c24



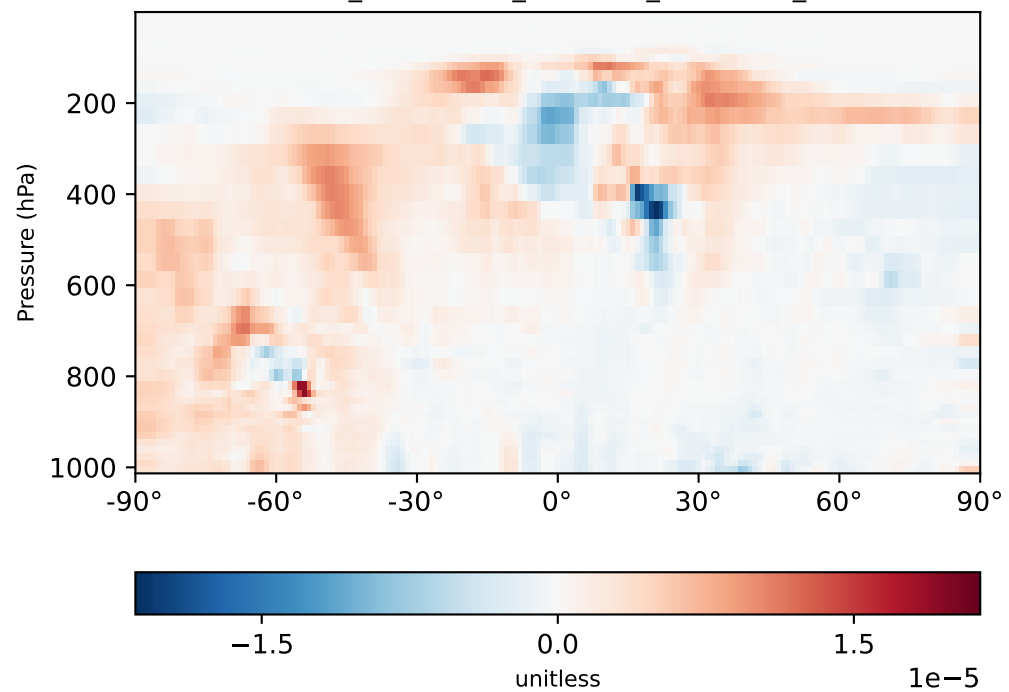
Difference (1x1.25)  
Dev - Ref, Dynamic Range



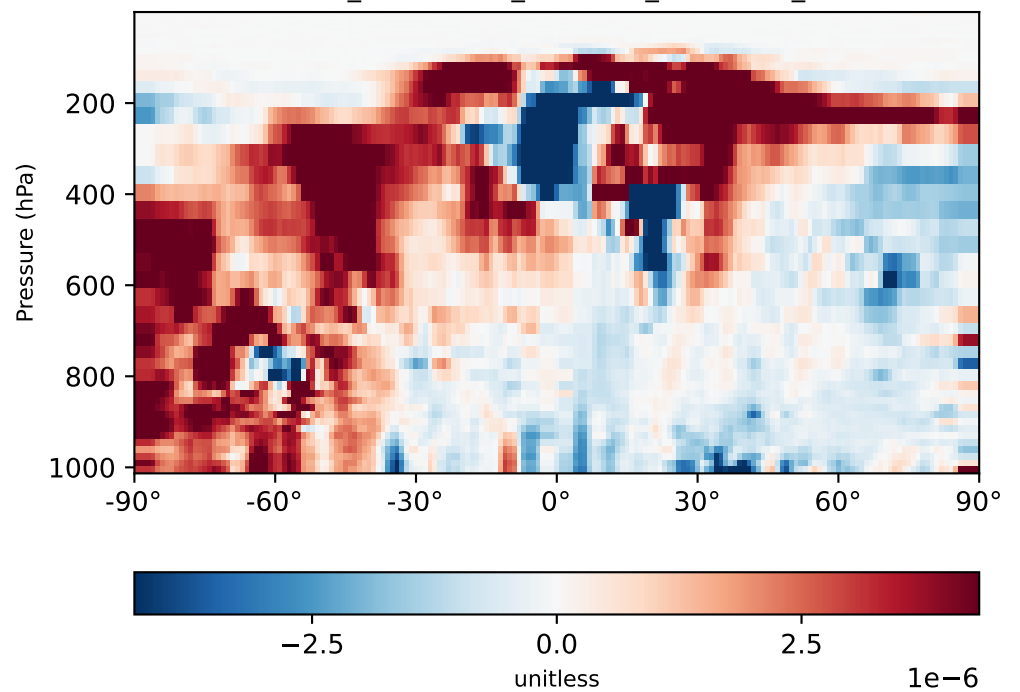
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



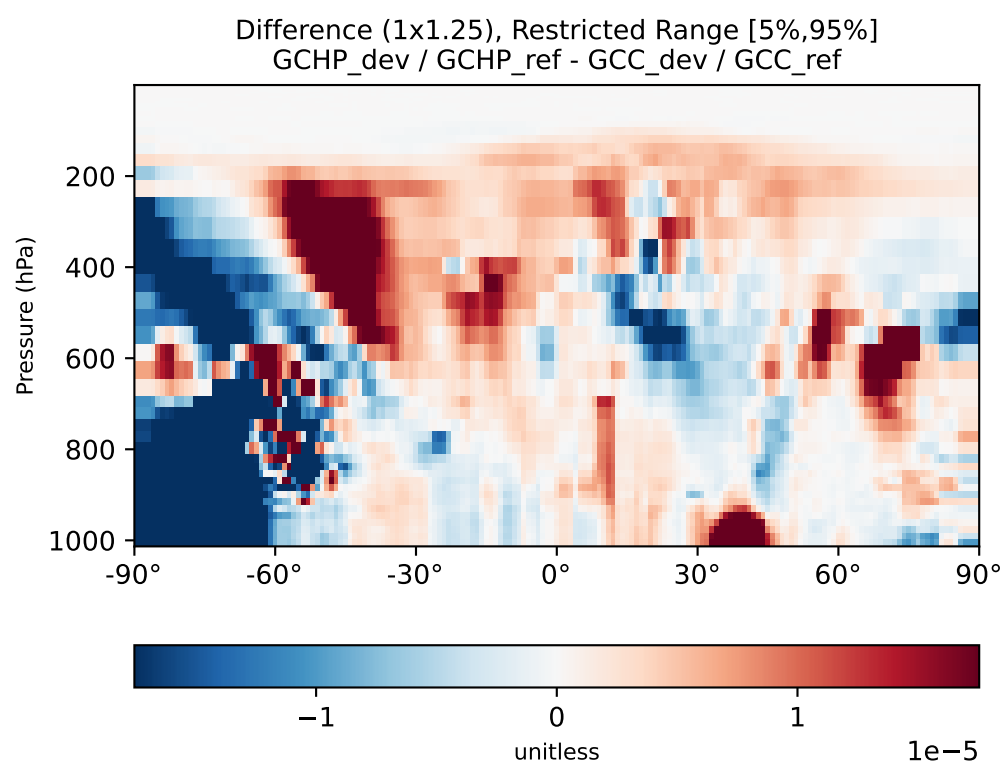
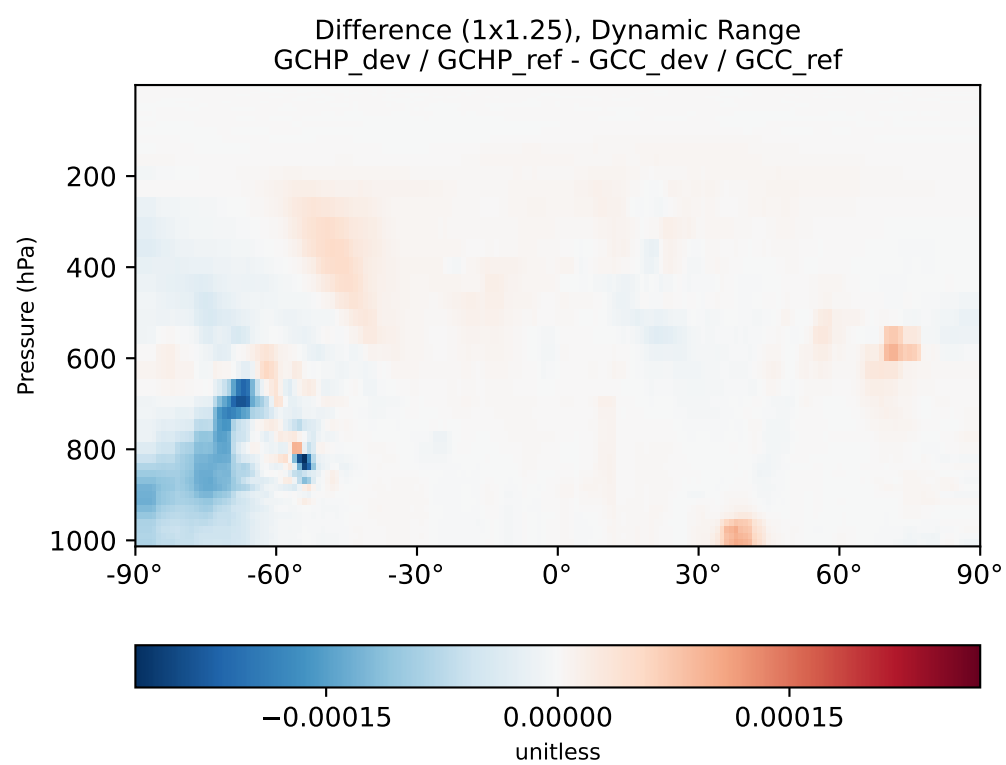
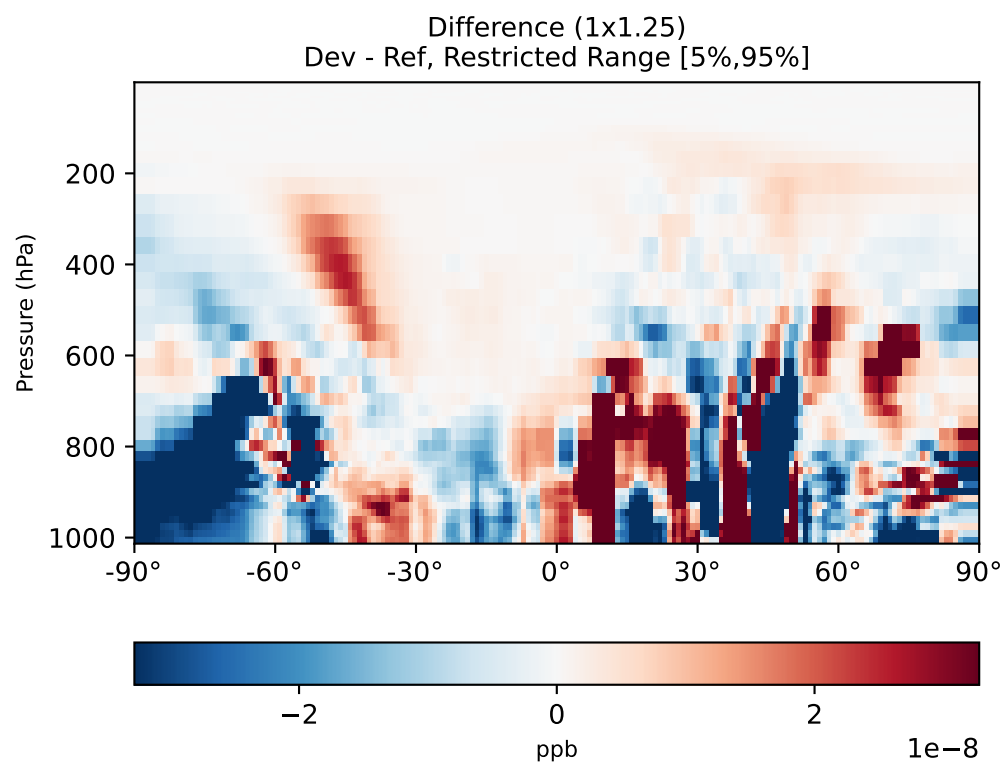
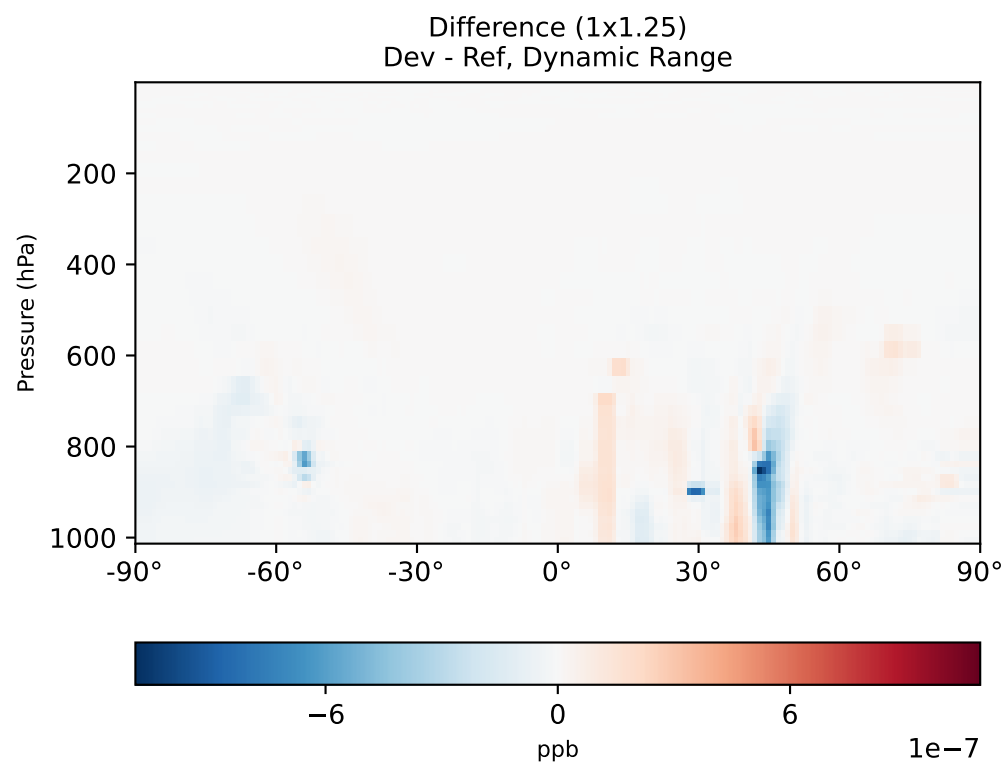
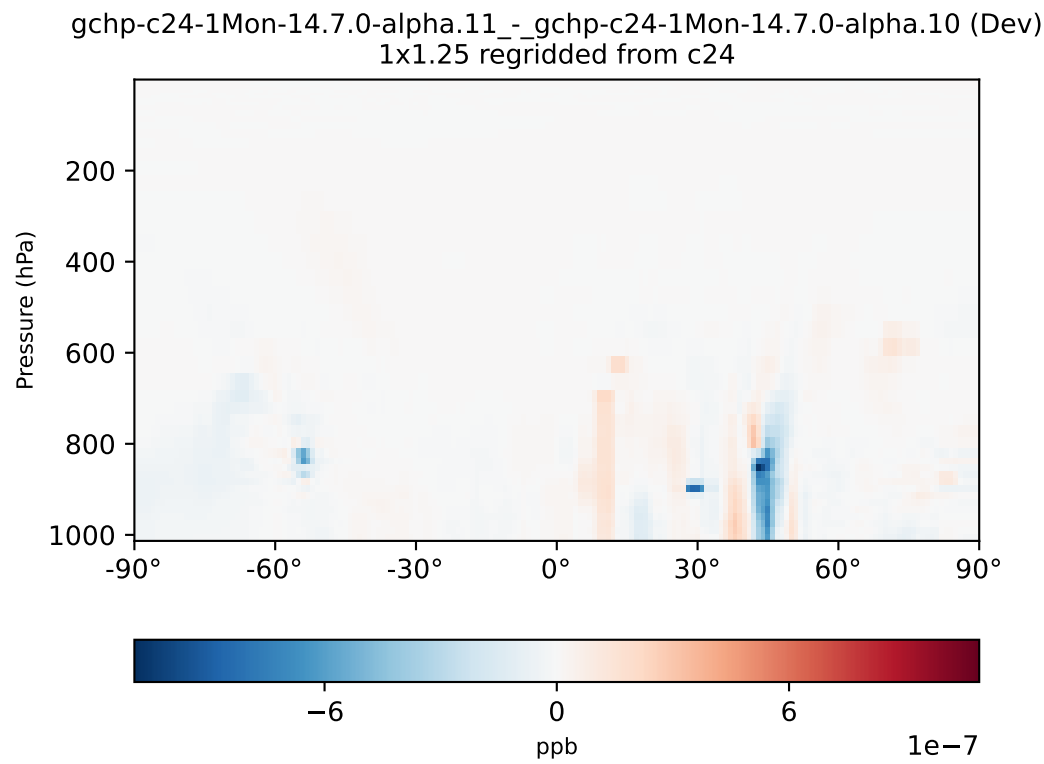
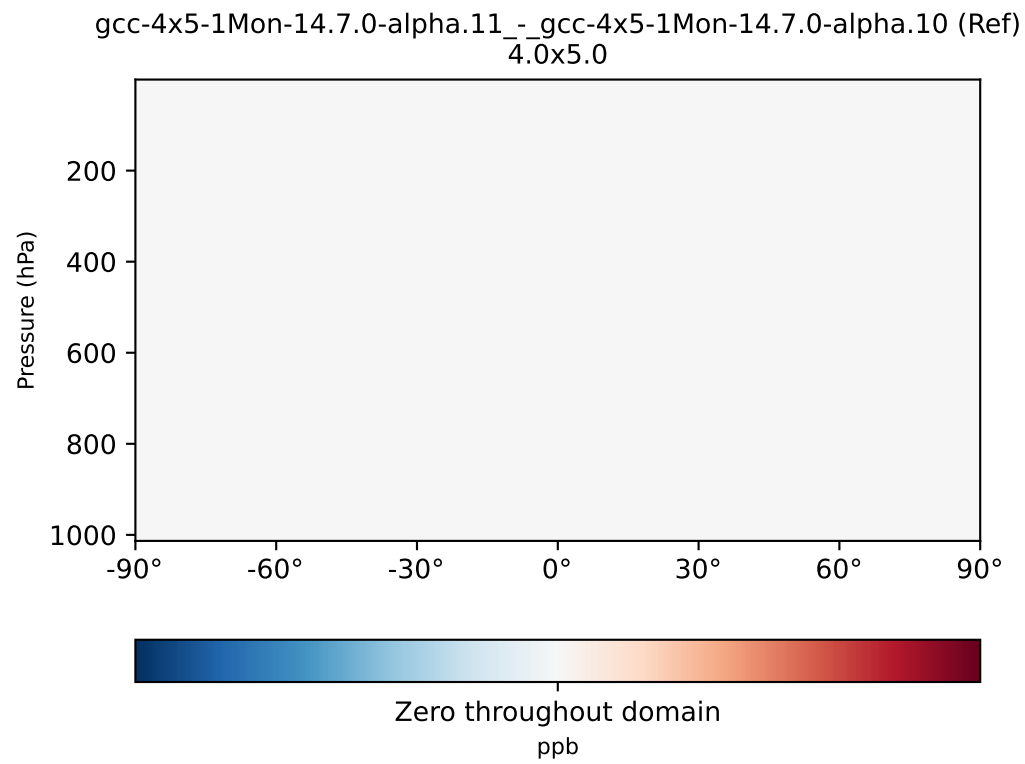
Difference (1x1.25), Dynamic Range  
GCHP\_dev / GCHP\_ref - GCC\_dev / GCC\_ref



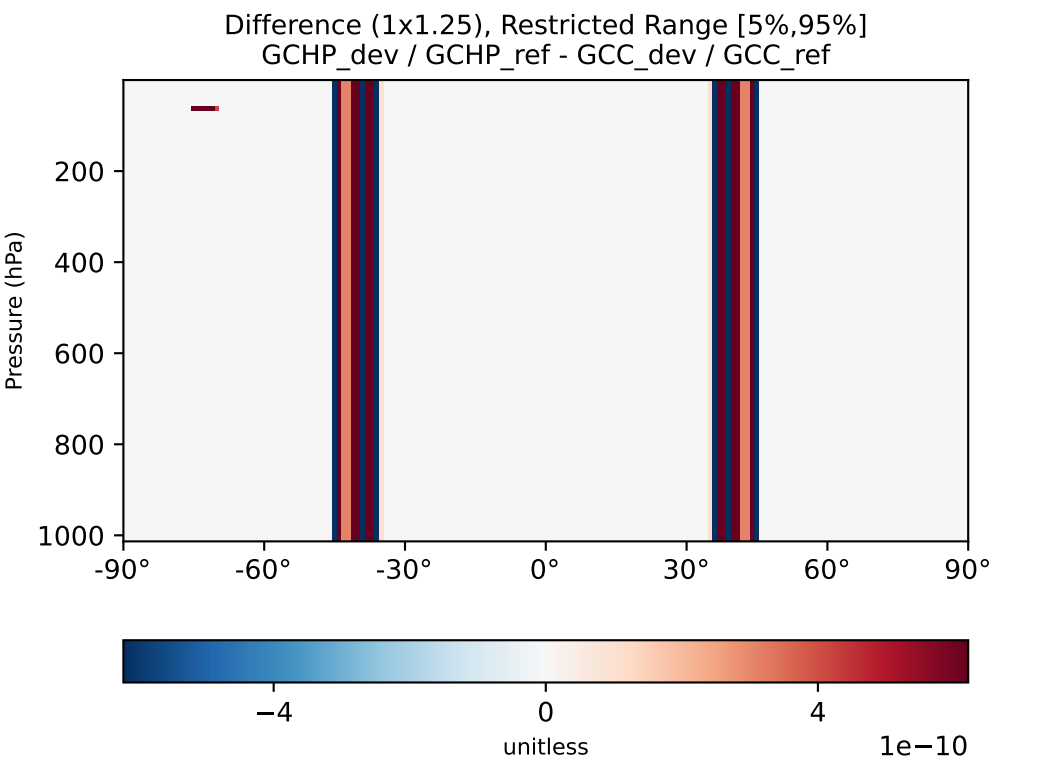
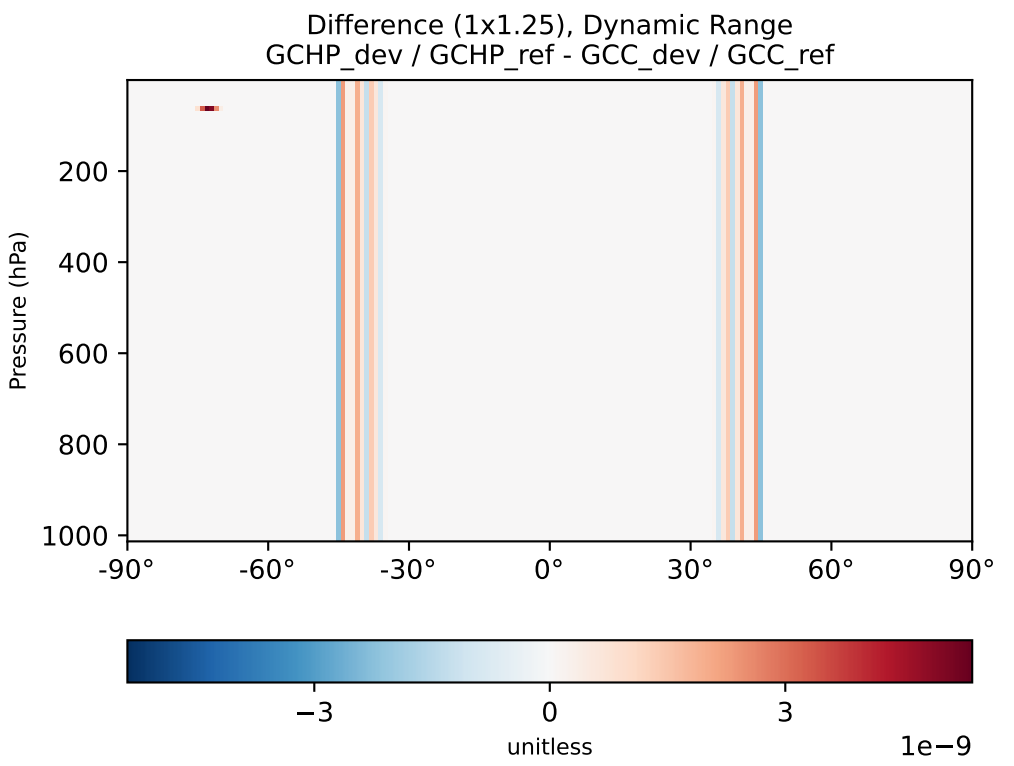
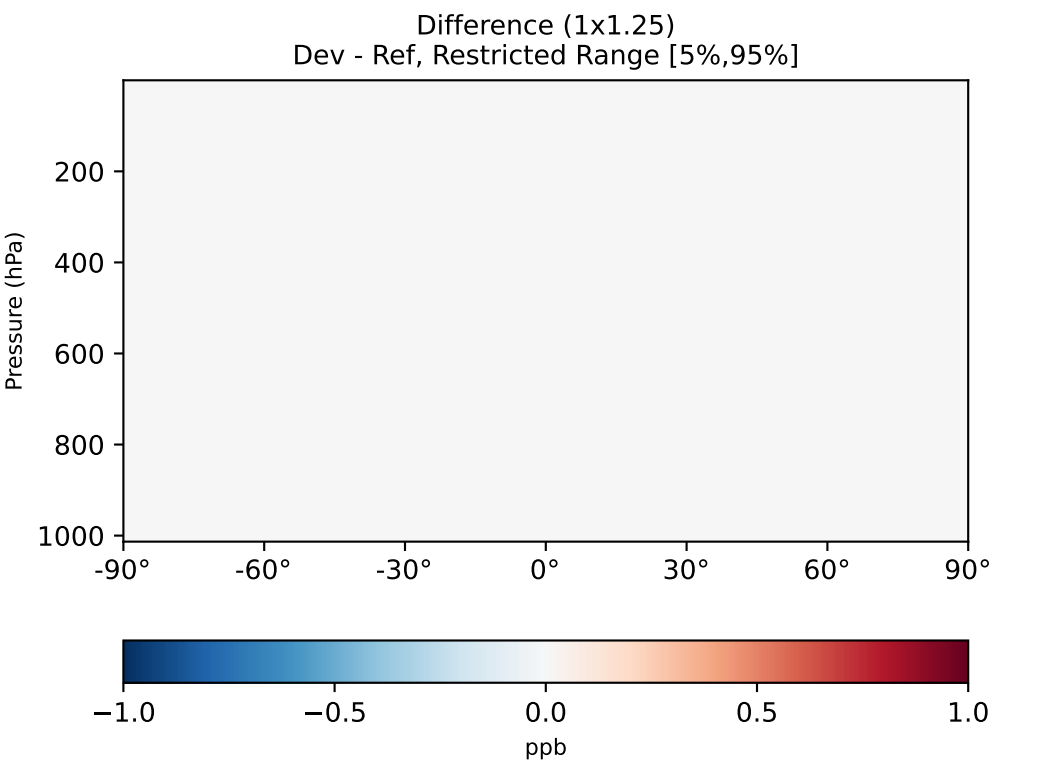
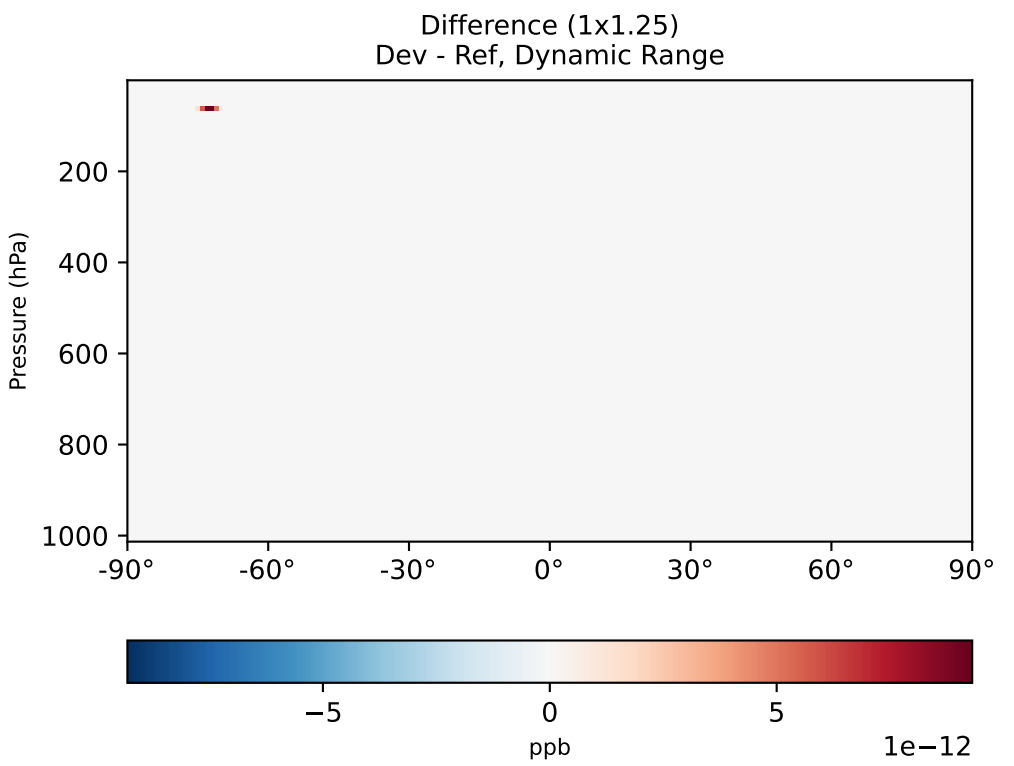
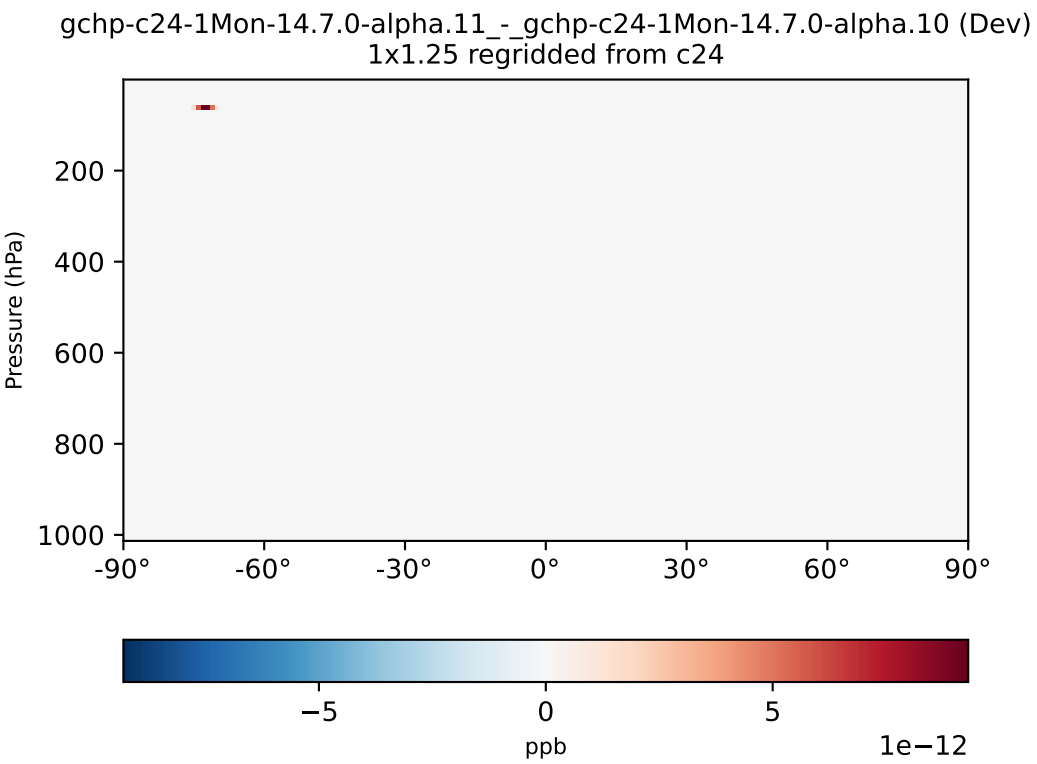
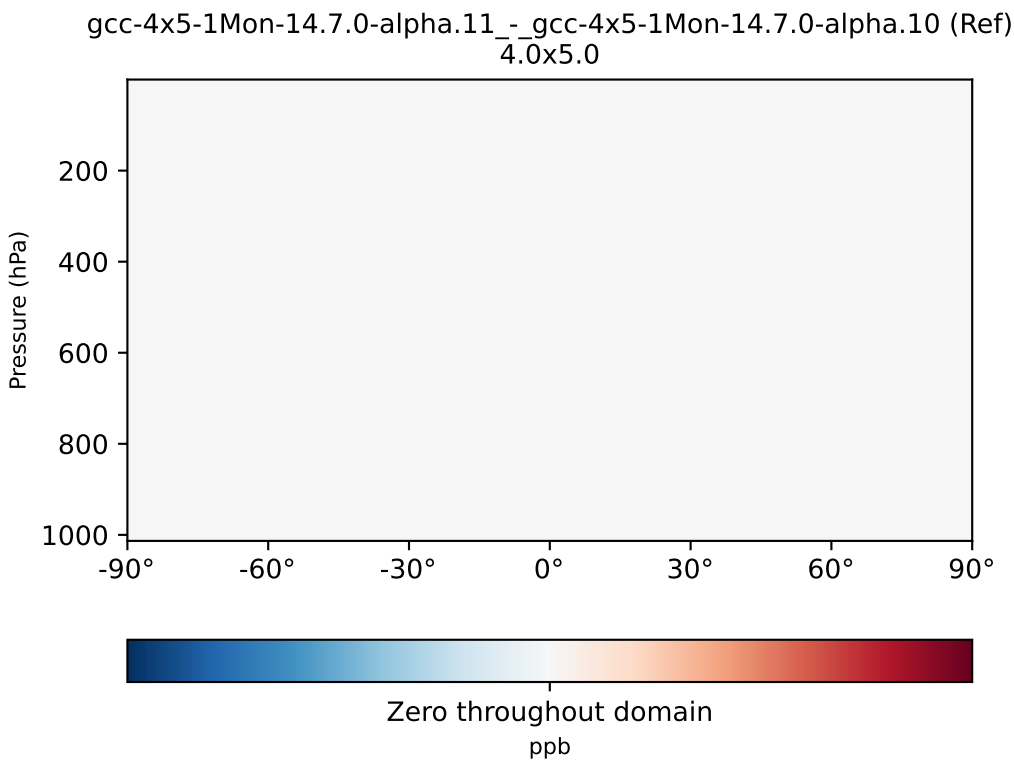
Difference (1x1.25), Restricted Range [5%,95%]  
GCHP\_dev / GCHP\_ref - GCC\_dev / GCC\_ref



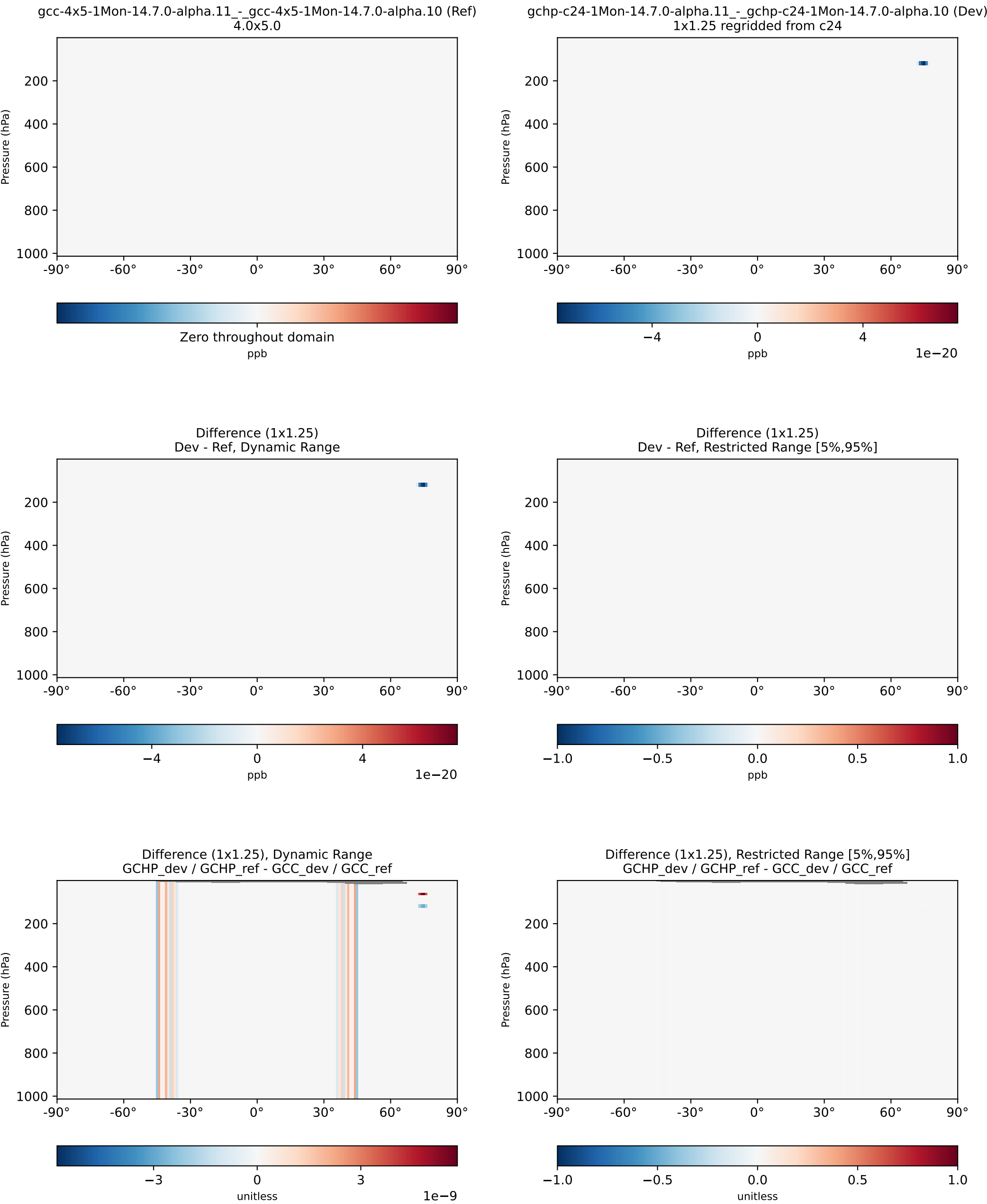
# SpeciesConcVV\_HMS, Zonal Mean



# SpeciesConcVV\_BCPI, Zonal Mean

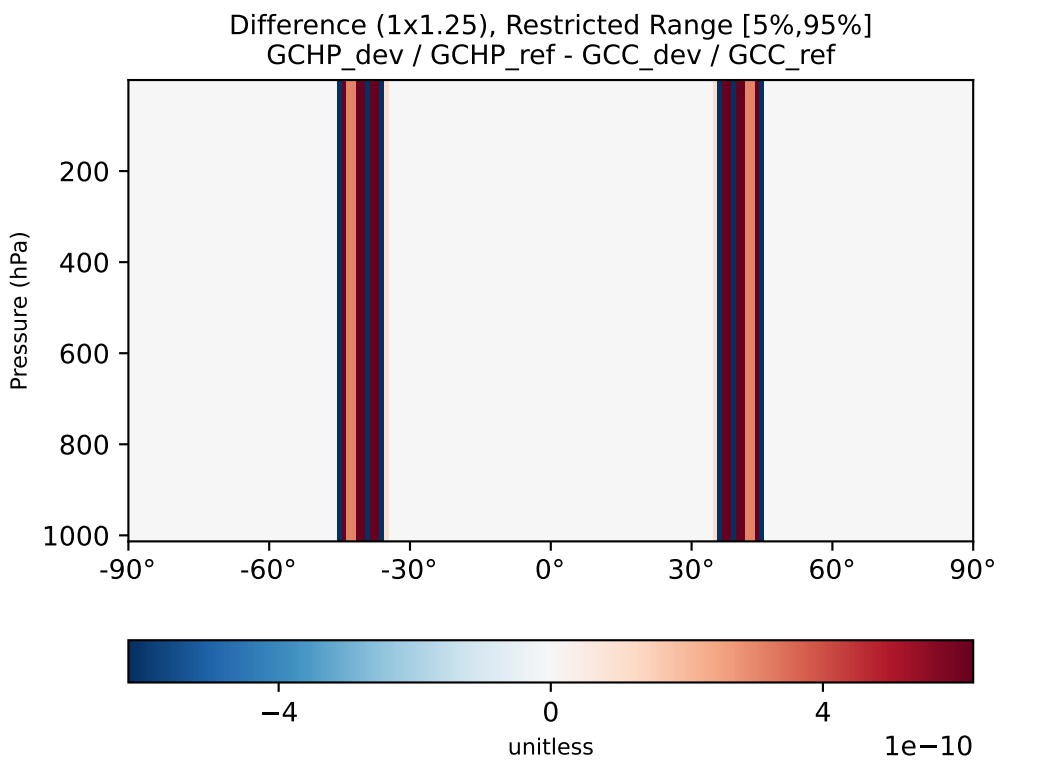
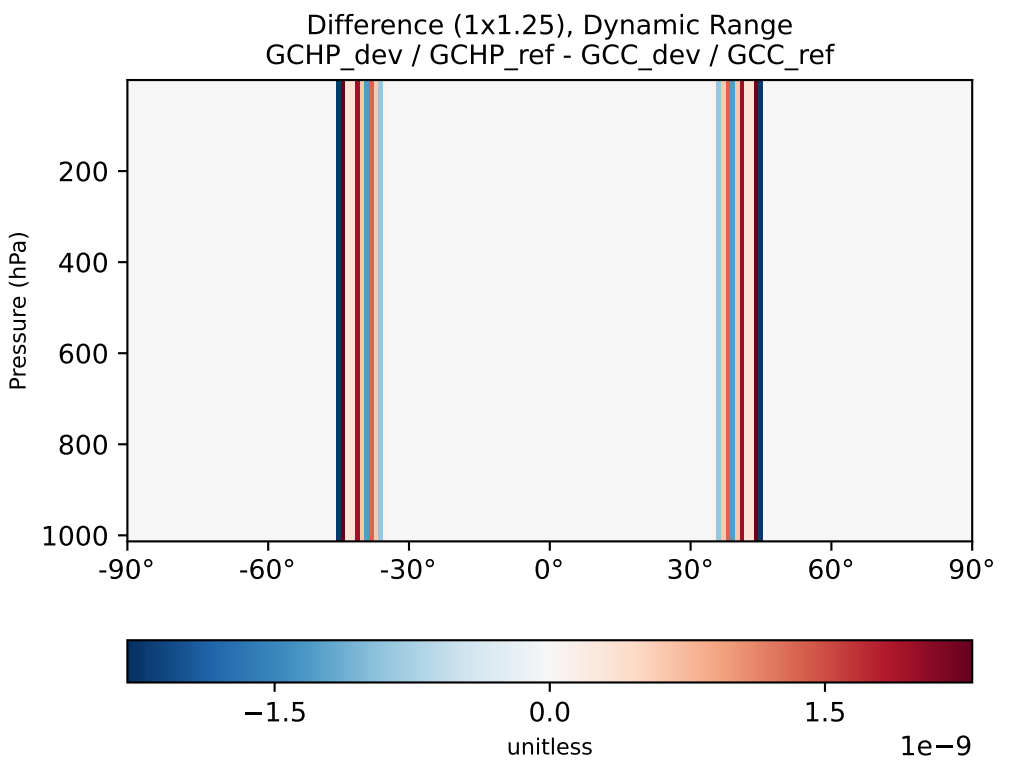
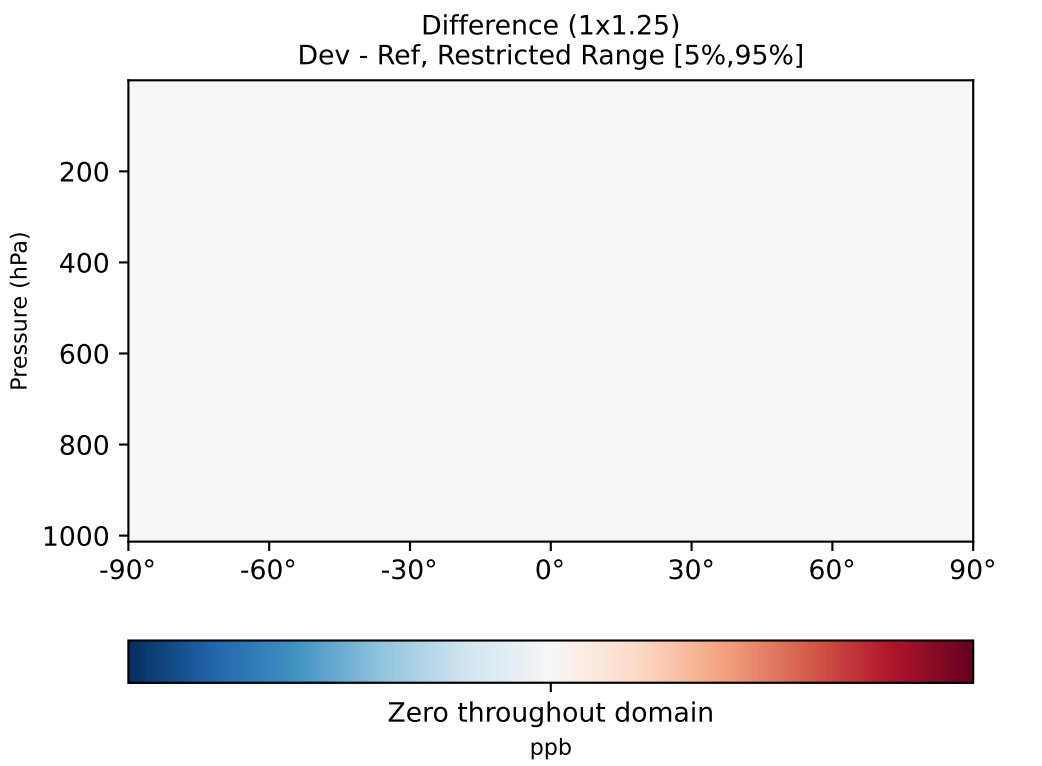
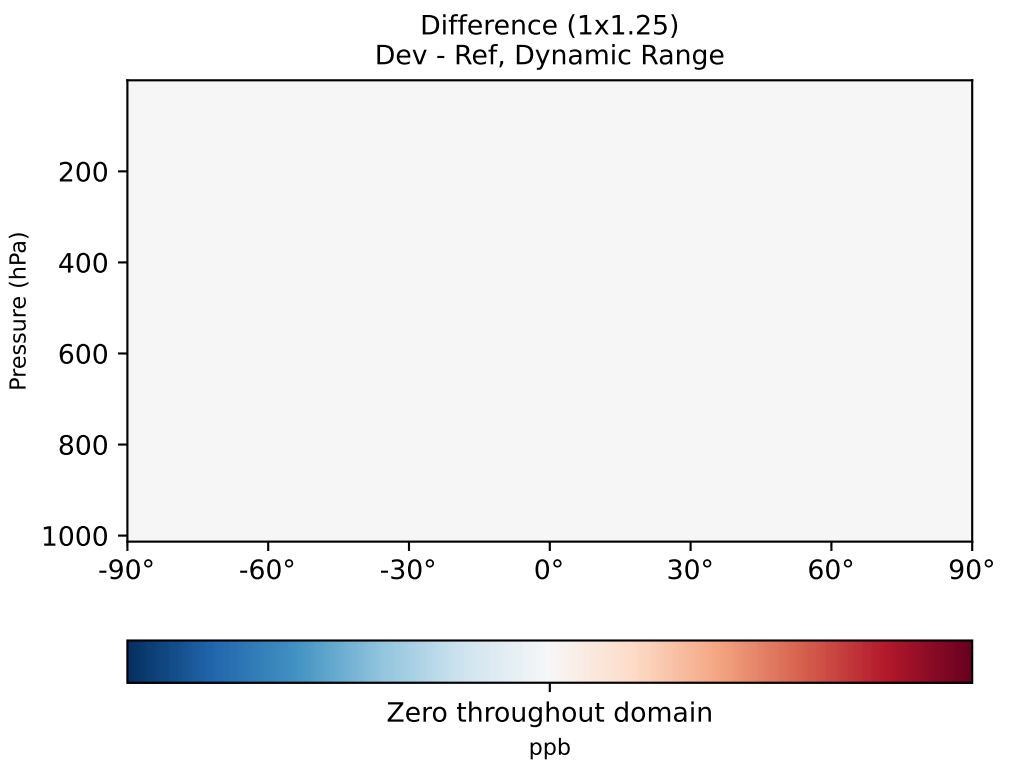
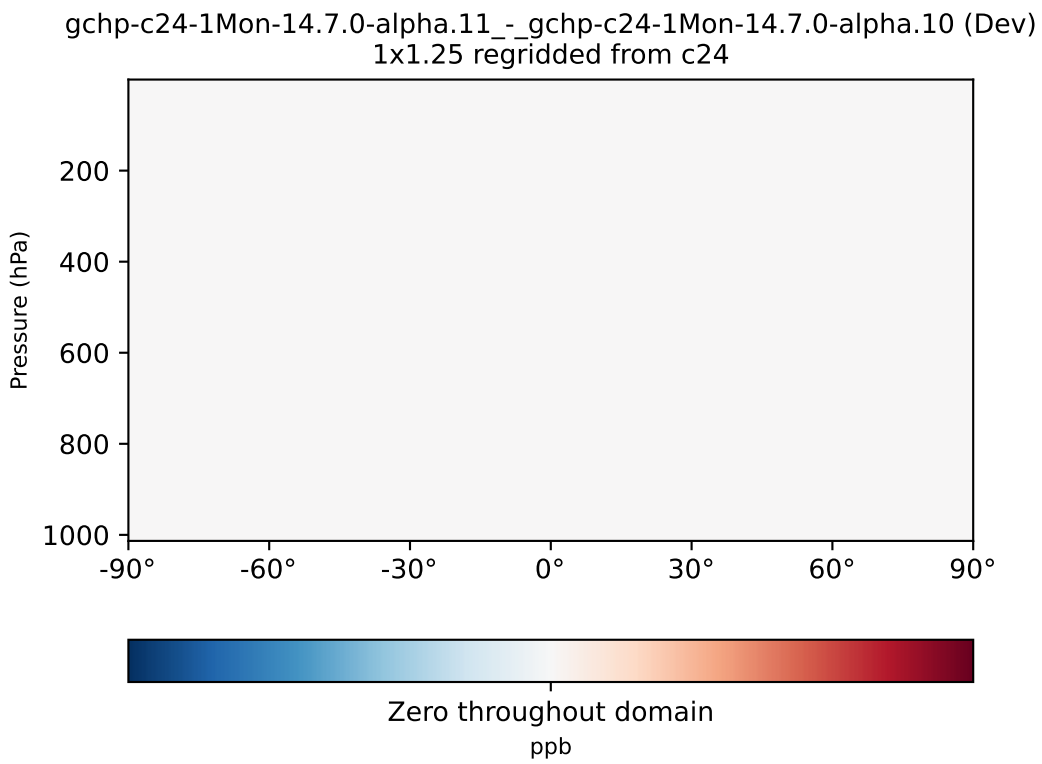
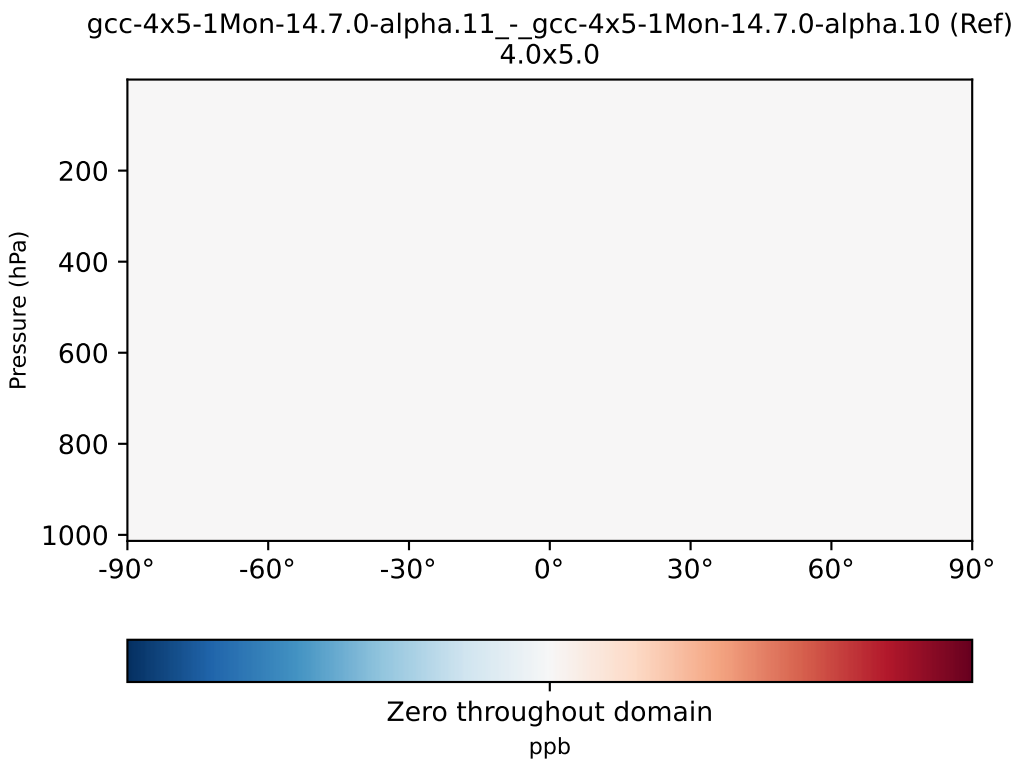


# SpeciesConcVV\_BCPO, Zonal Mean

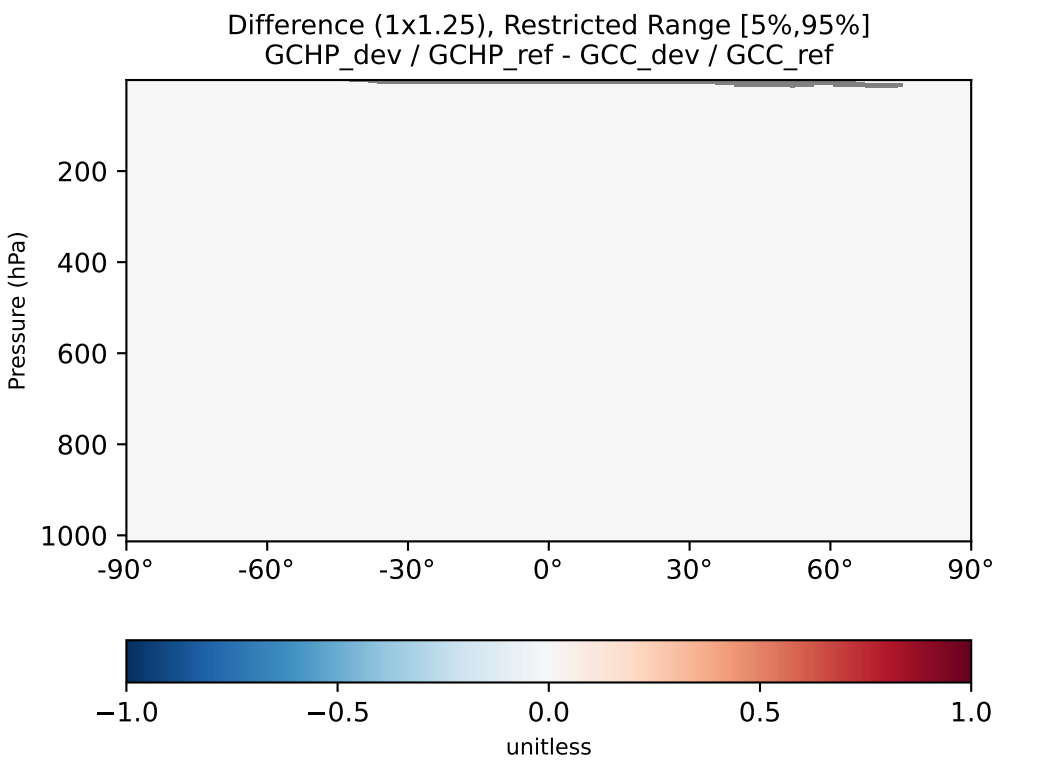
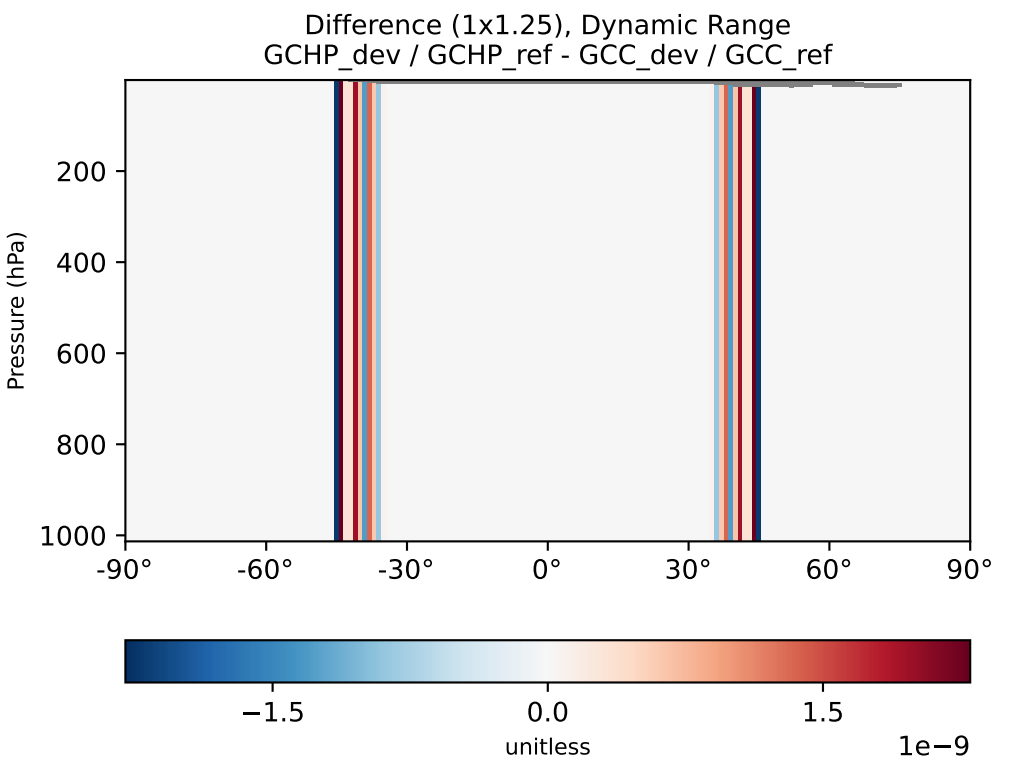
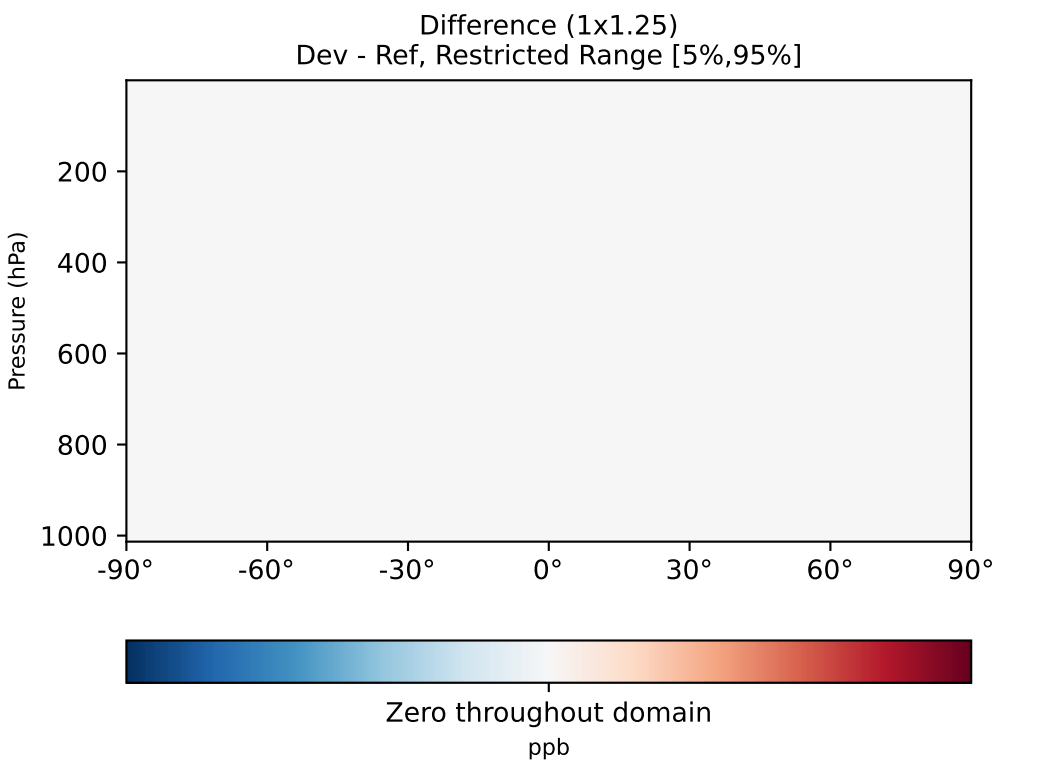
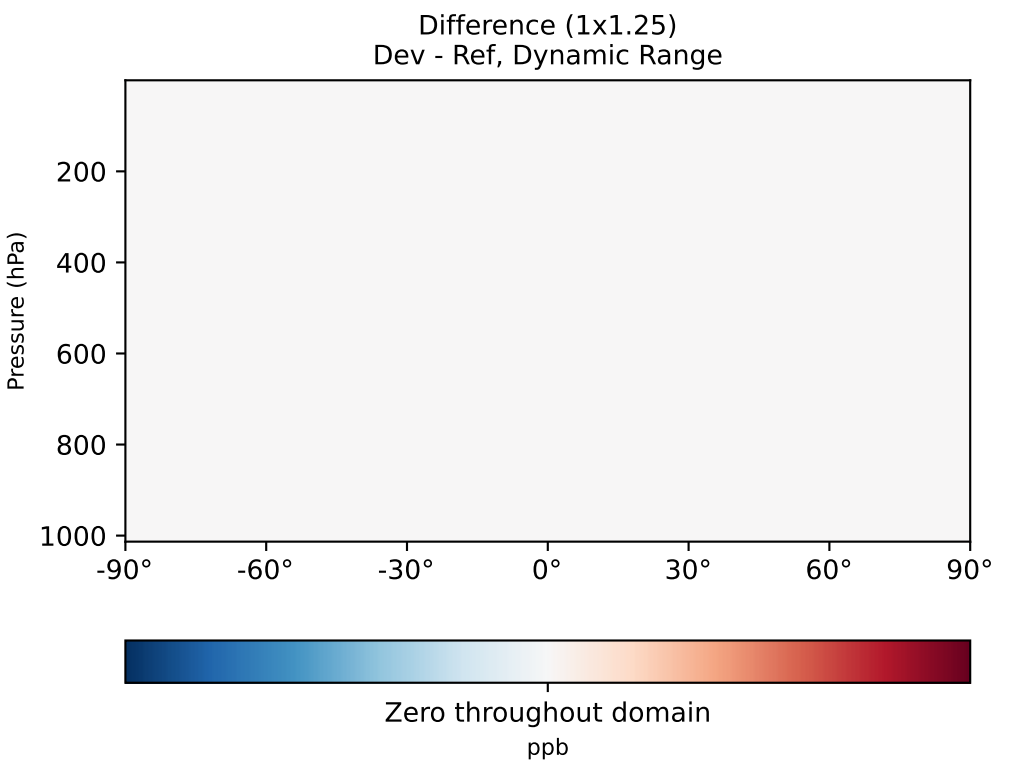
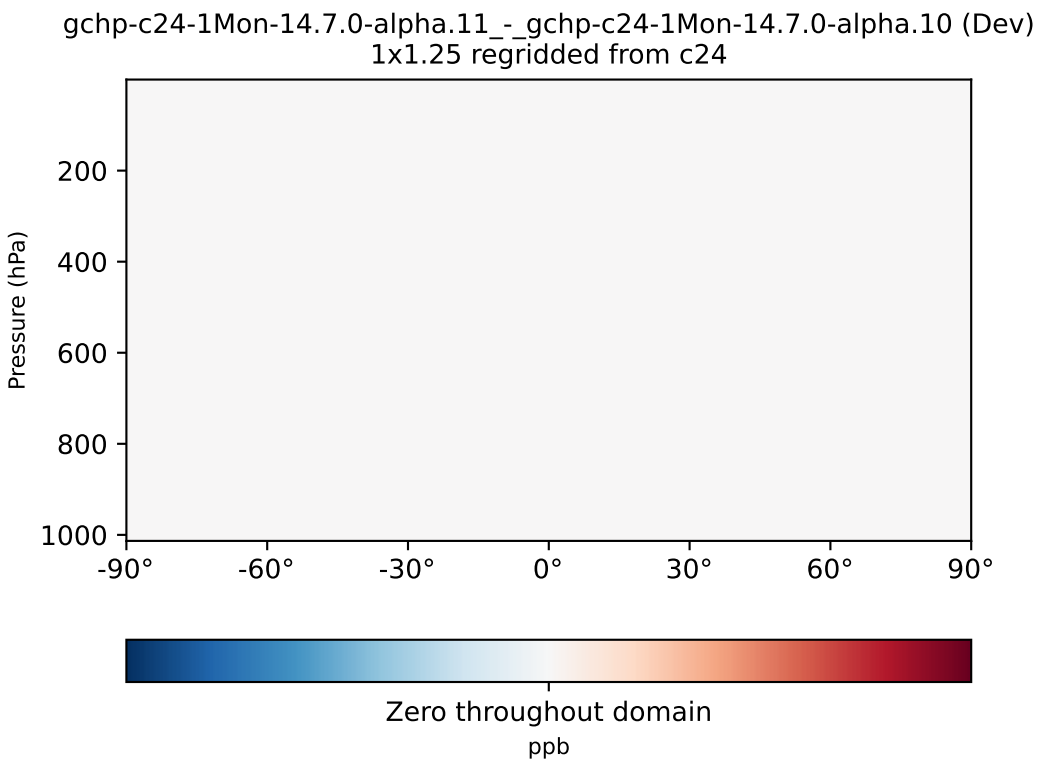
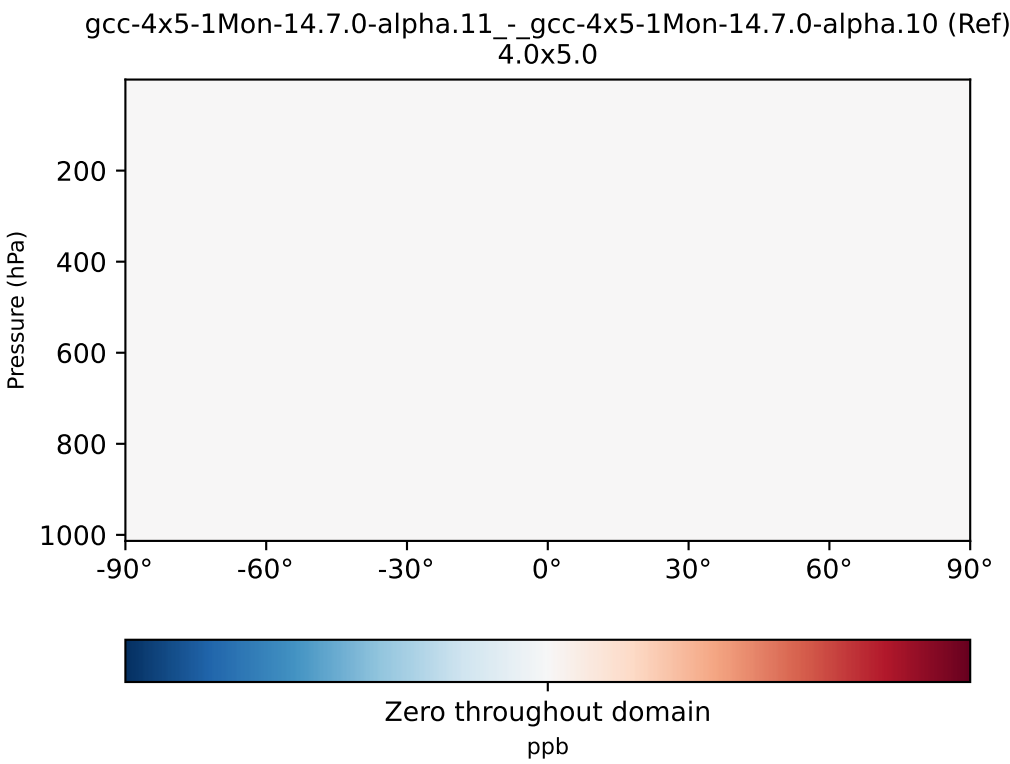




# SpeciesConcVV\_OCPI, Zonal Mean



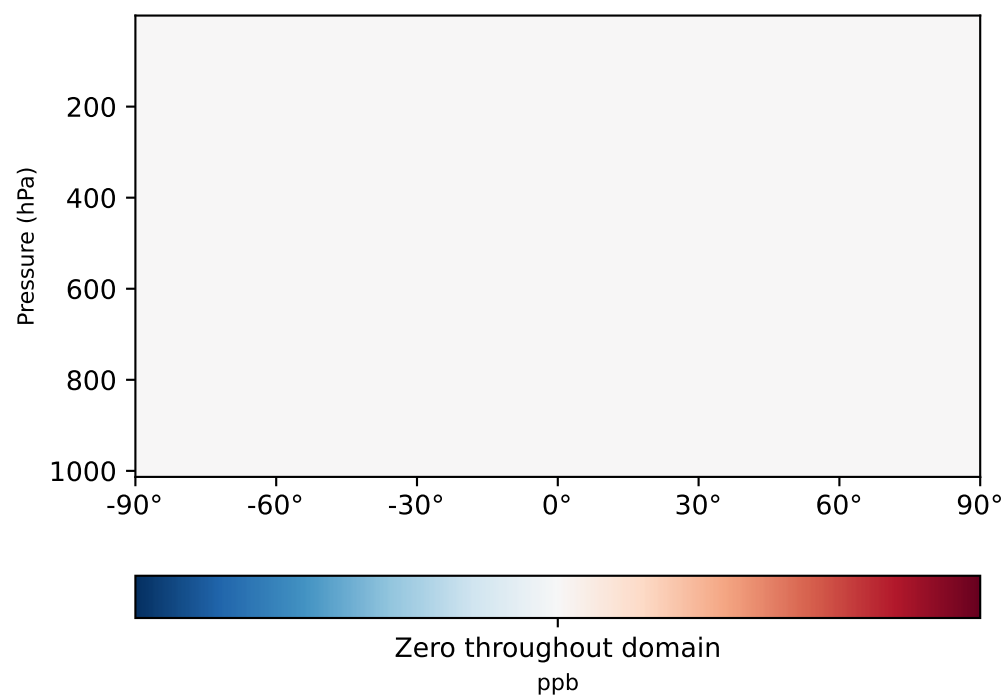
# SpeciesConcVV\_OCPO, Zonal Mean



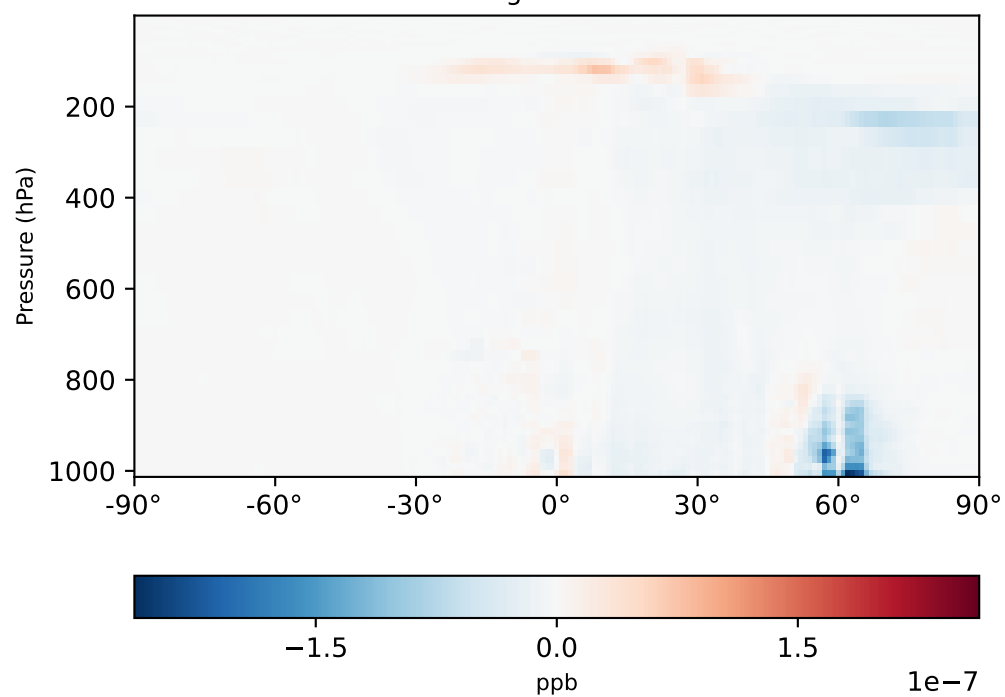


# SpeciesConcVV\_Complex\_SOA, Zonal Mean

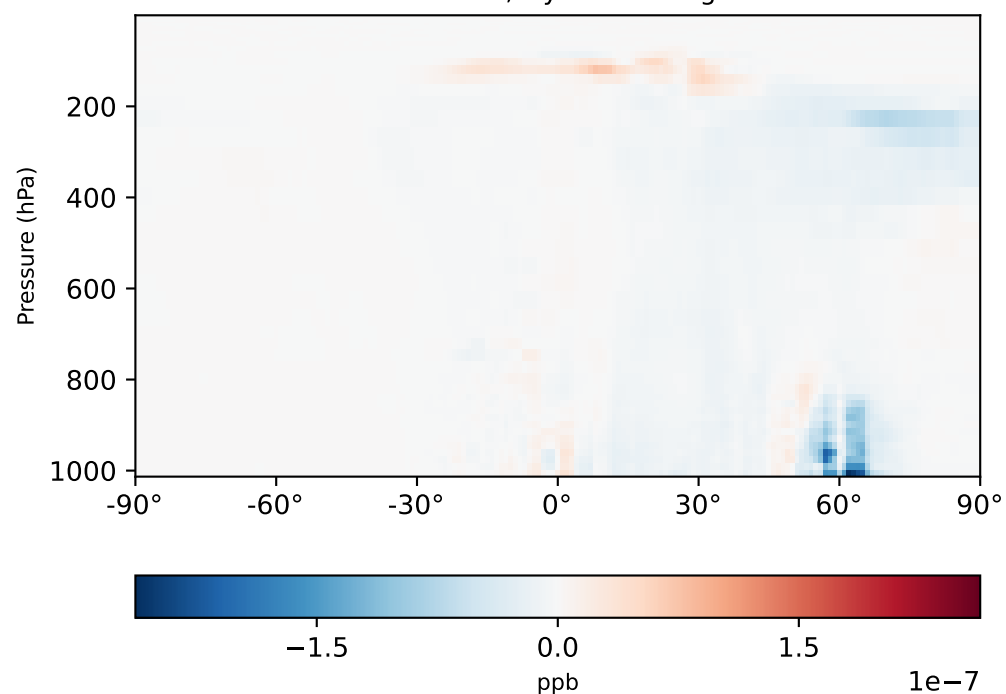
gcc-4x5-1Mon-14.7.0-alpha.11\_ - gcc-4x5-1Mon-14.7.0-alpha.10 (Ref)  
4.0x5.0



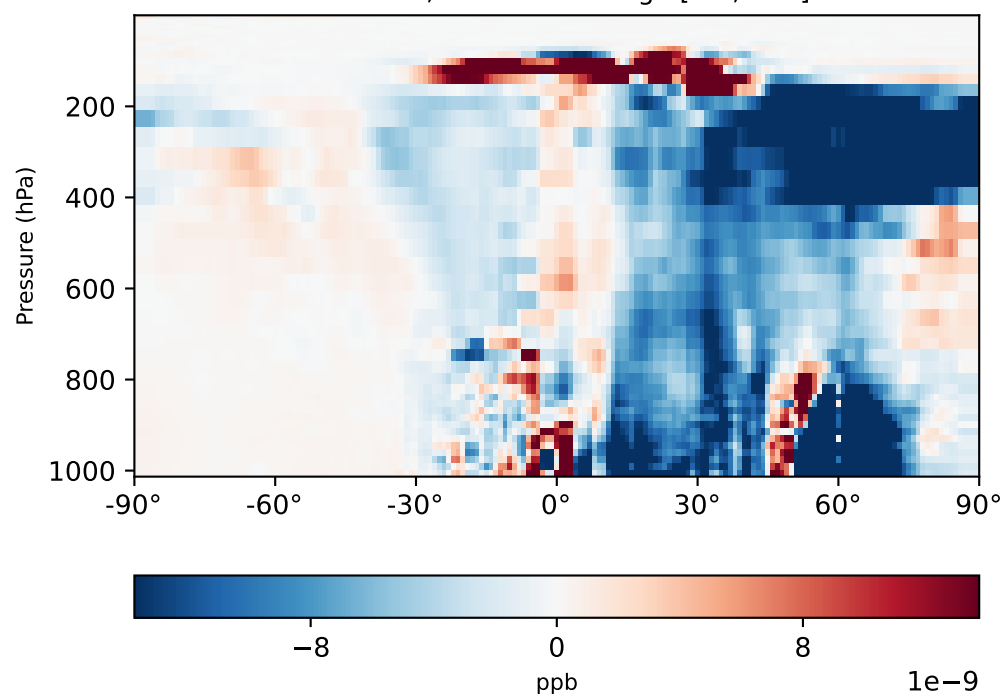
gchp-c24-1Mon-14.7.0-alpha.11\_ - gchp-c24-1Mon-14.7.0-alpha.10 (Dev)  
1x1.25 regridded from c24



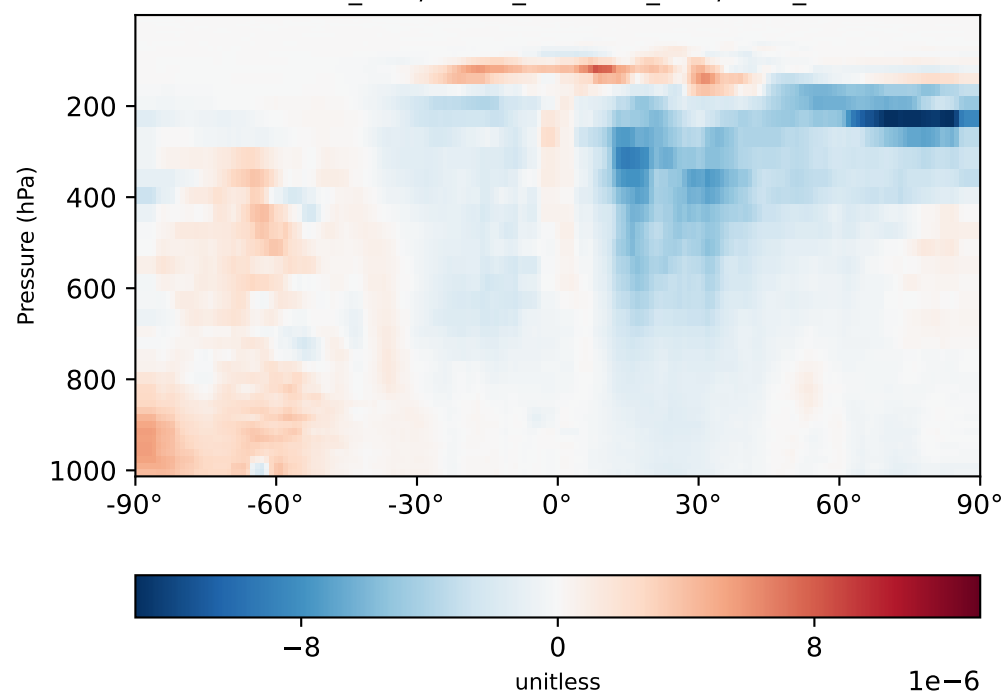
Difference (1x1.25)  
Dev - Ref, Dynamic Range



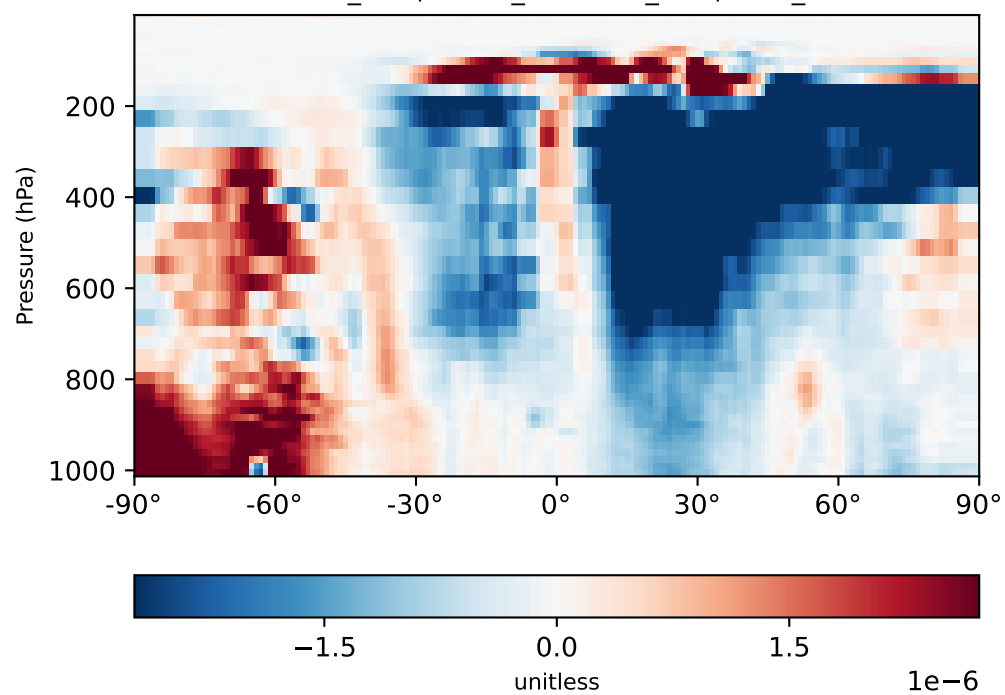
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

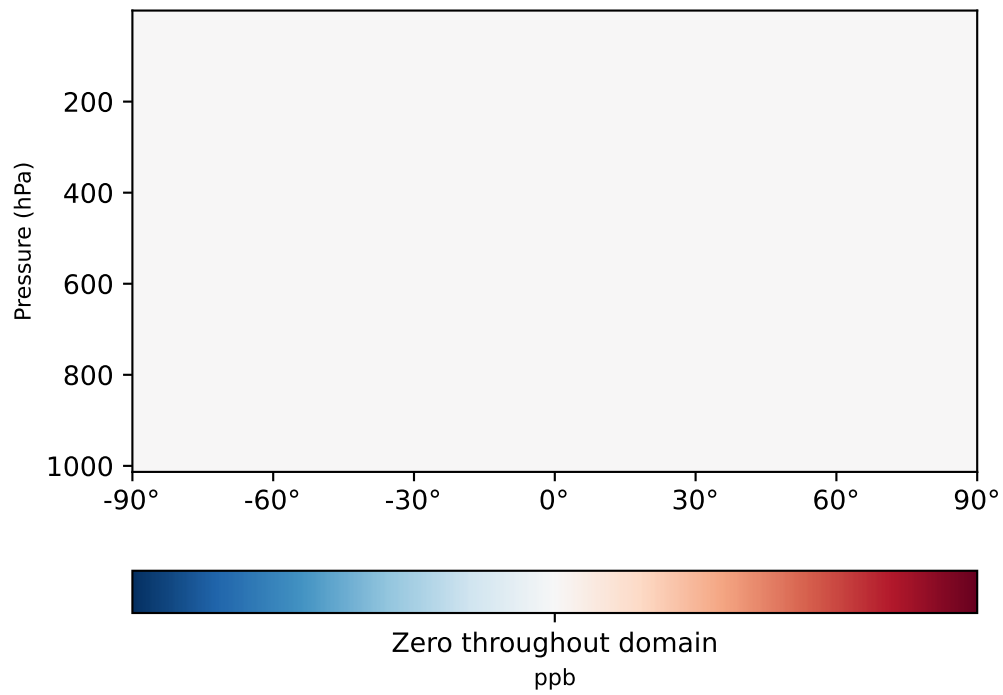


Difference (1x1.25), Restricted Range [5%,95%]  
GCHP\_dev / GCHP\_ref - GCC\_dev / GCC\_ref

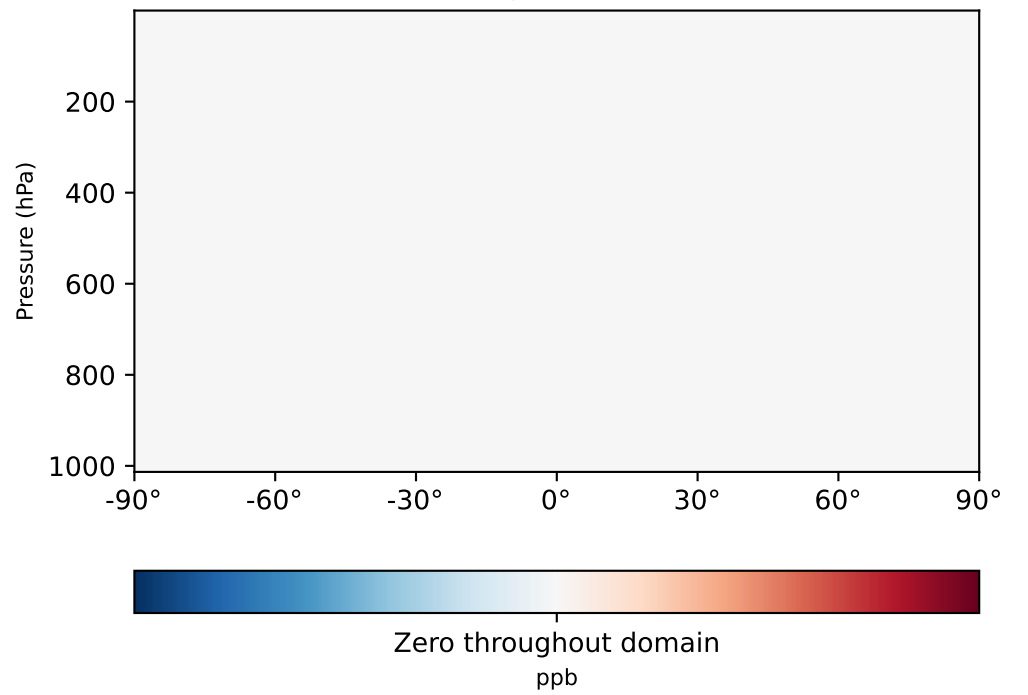


# SpeciesConcVV\_Simple\_SOA, Zonal Mean

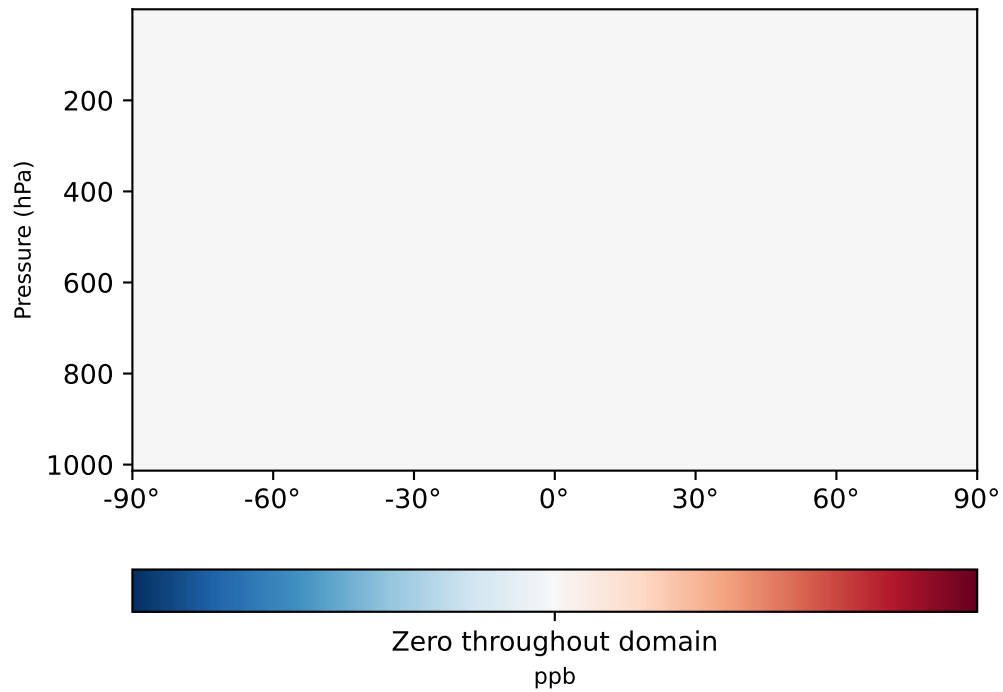
gcc-4x5-1Mon-14.7.0-alpha.11\_ - gcc-4x5-1Mon-14.7.0-alpha.10 (Ref)  
4.0x5.0



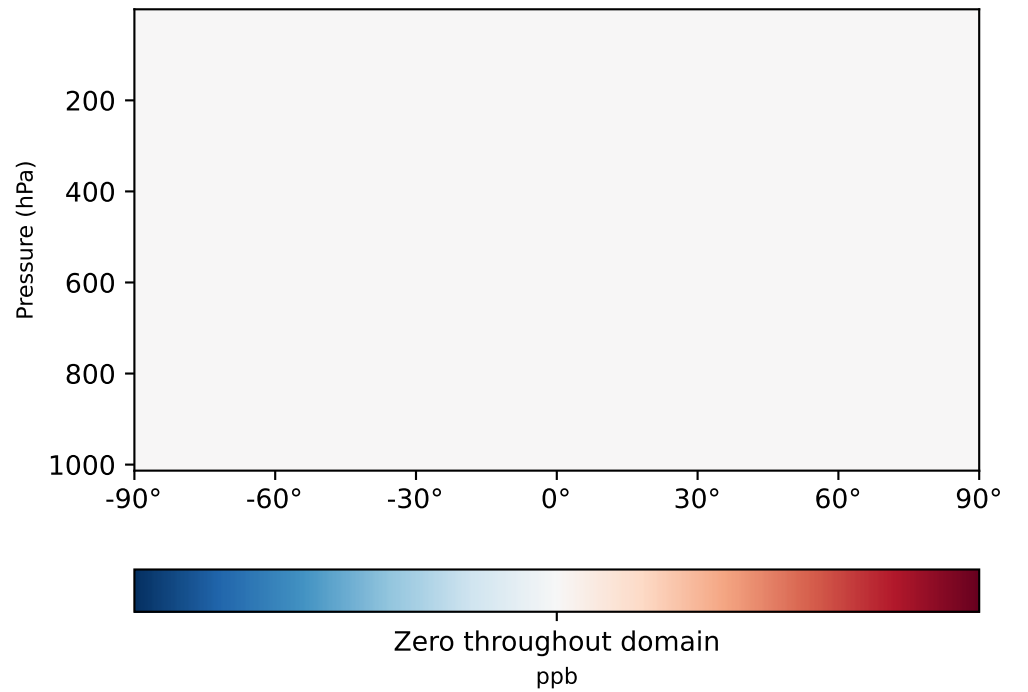
gchp-c24-1Mon-14.7.0-alpha.11\_ - gchp-c24-1Mon-14.7.0-alpha.10 (Dev)  
1x1.25 regridded from c24



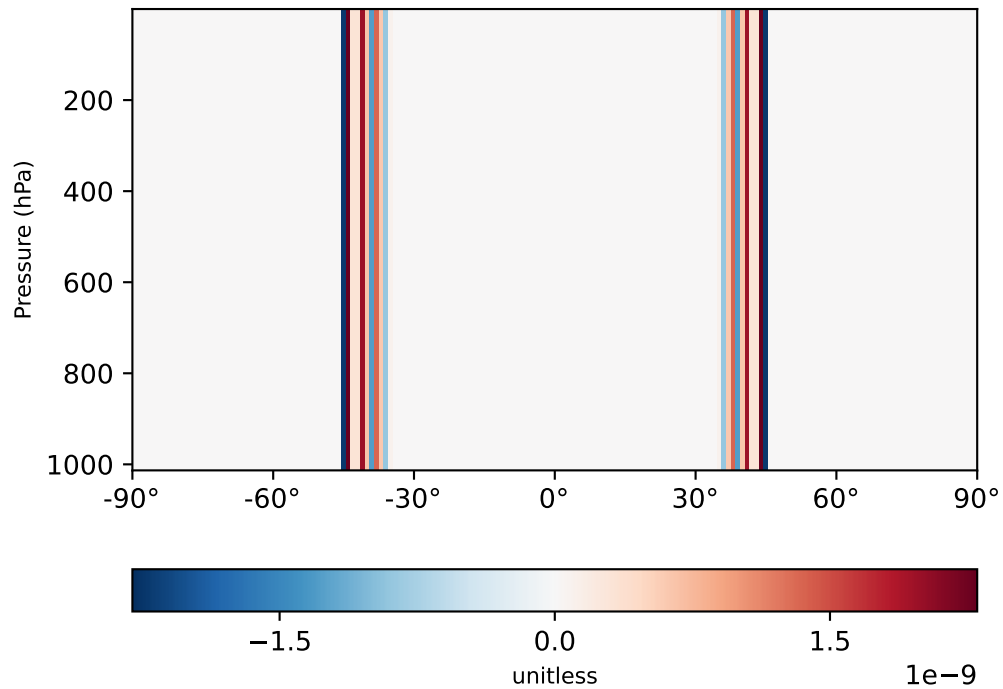
Difference (1x1.25)  
Dev - Ref, Dynamic Range



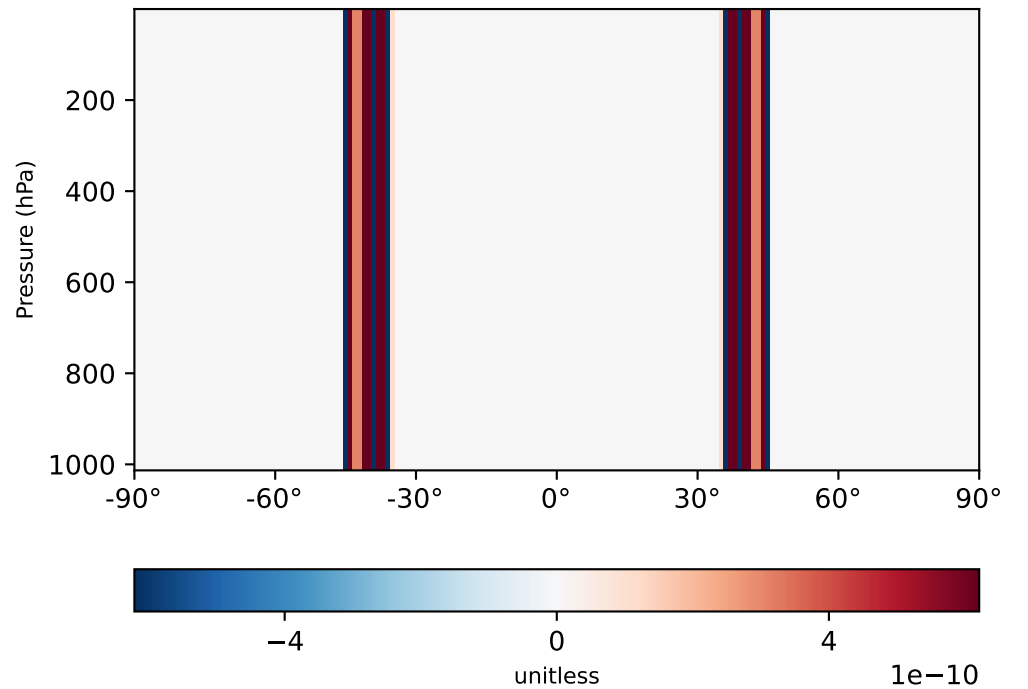
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



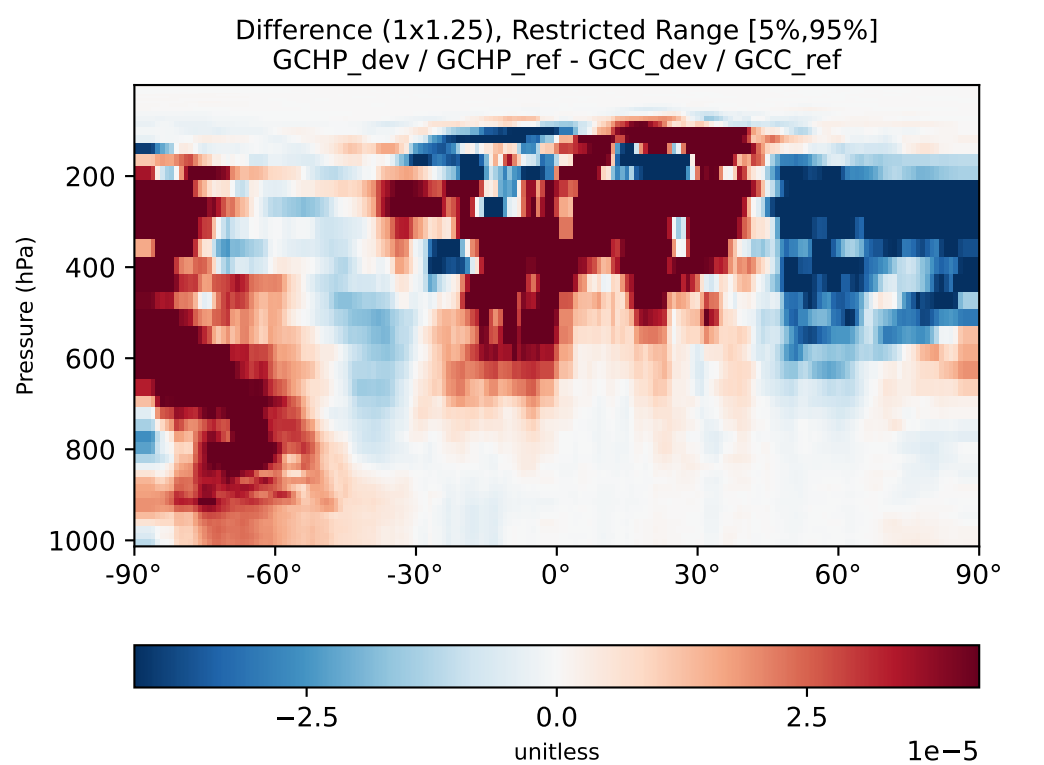
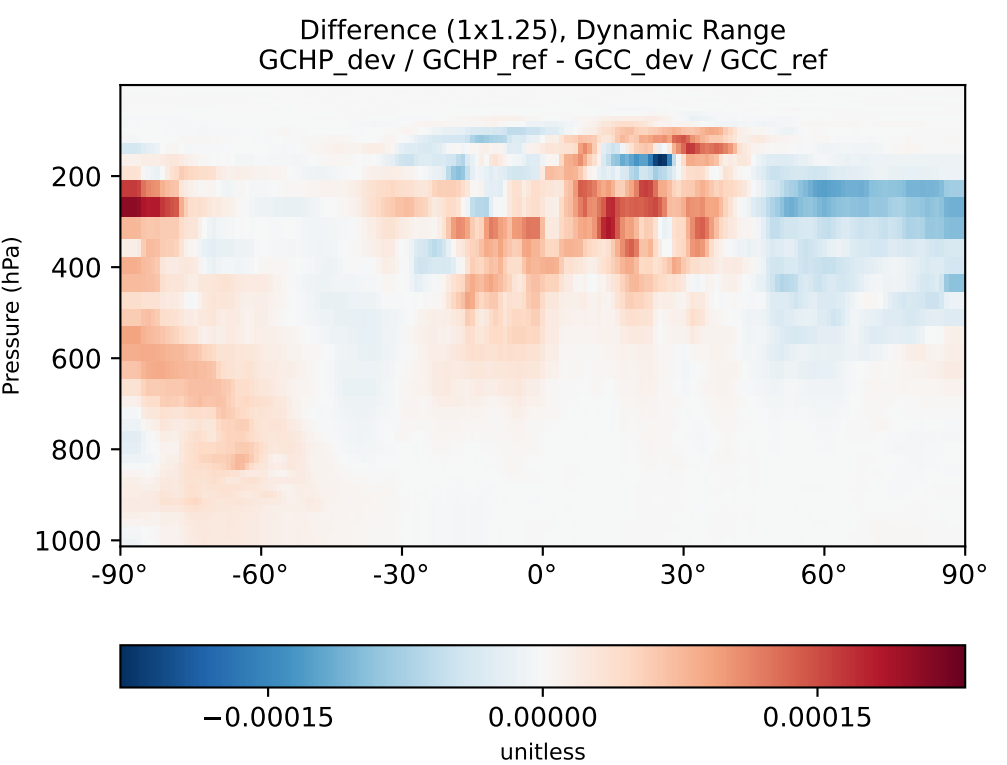
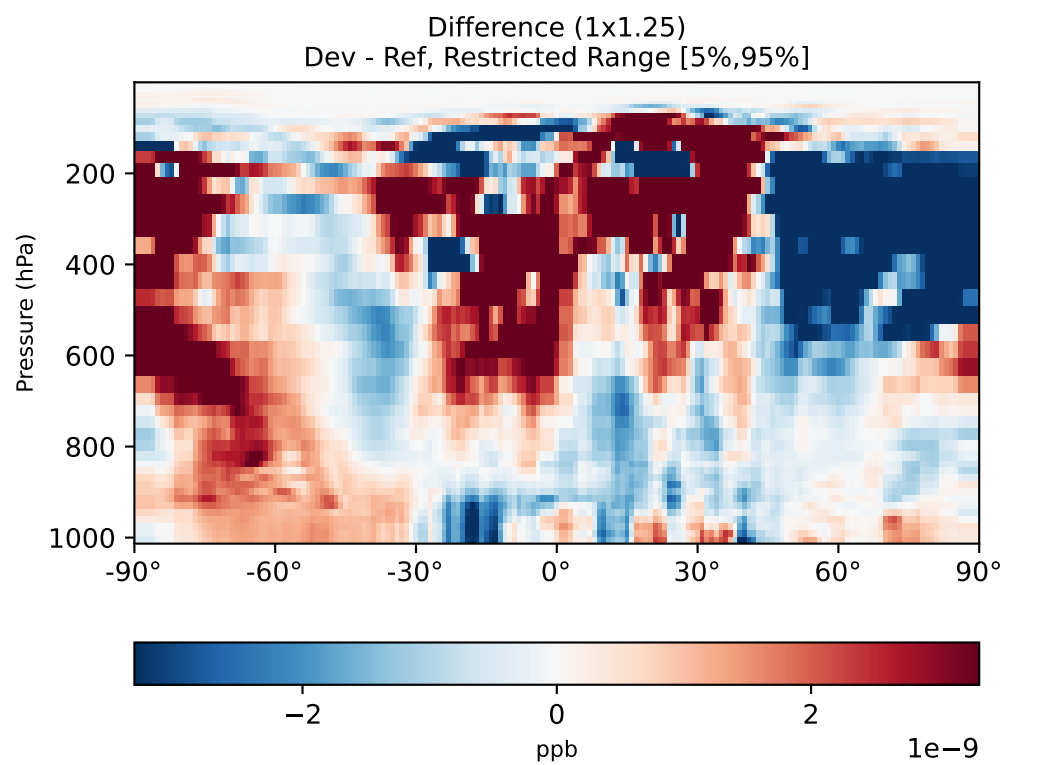
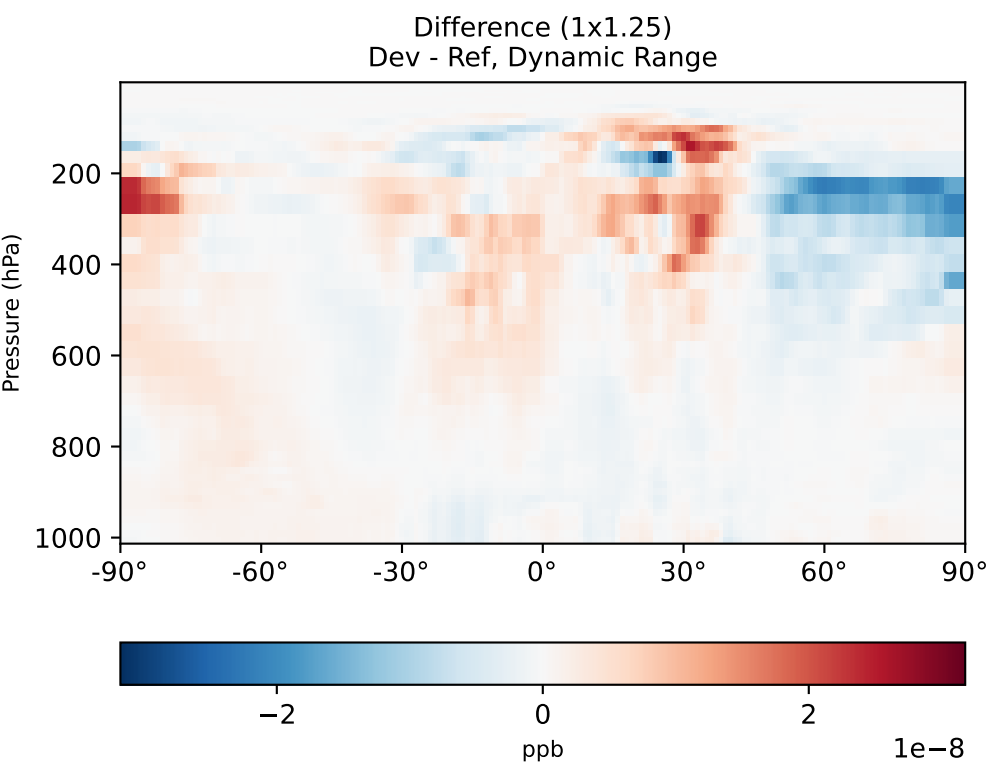
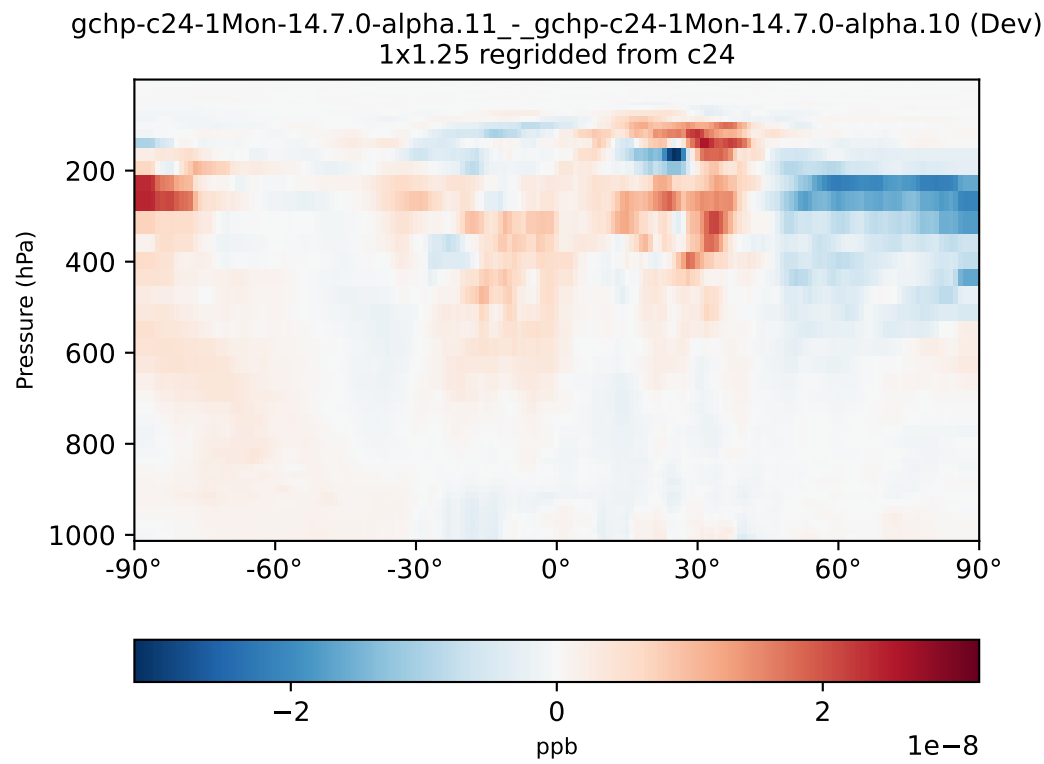
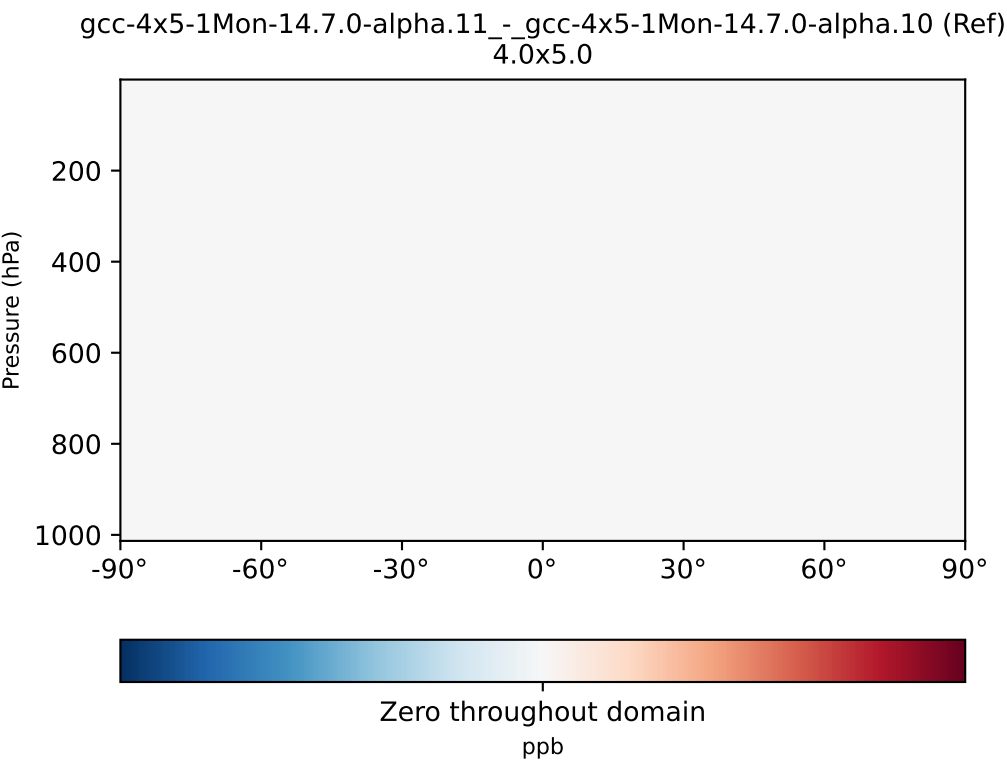
Difference (1x1.25), Dynamic Range  
GCHP\_dev / GCHP\_ref - GCC\_dev / GCC\_ref



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

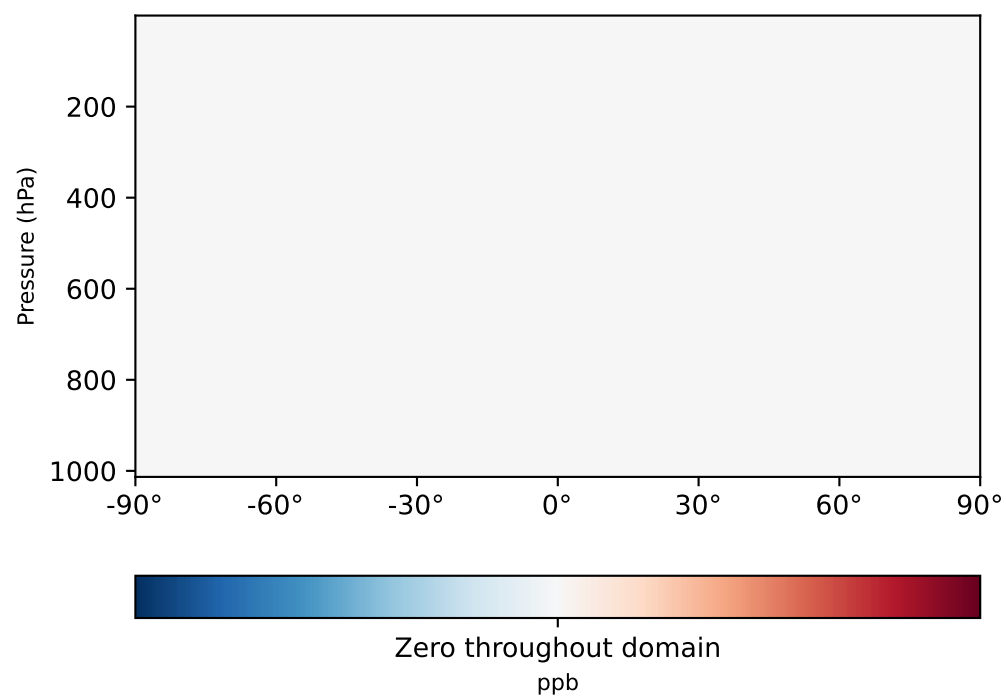


# SpeciesConcVV\_AERI, Zonal Mean

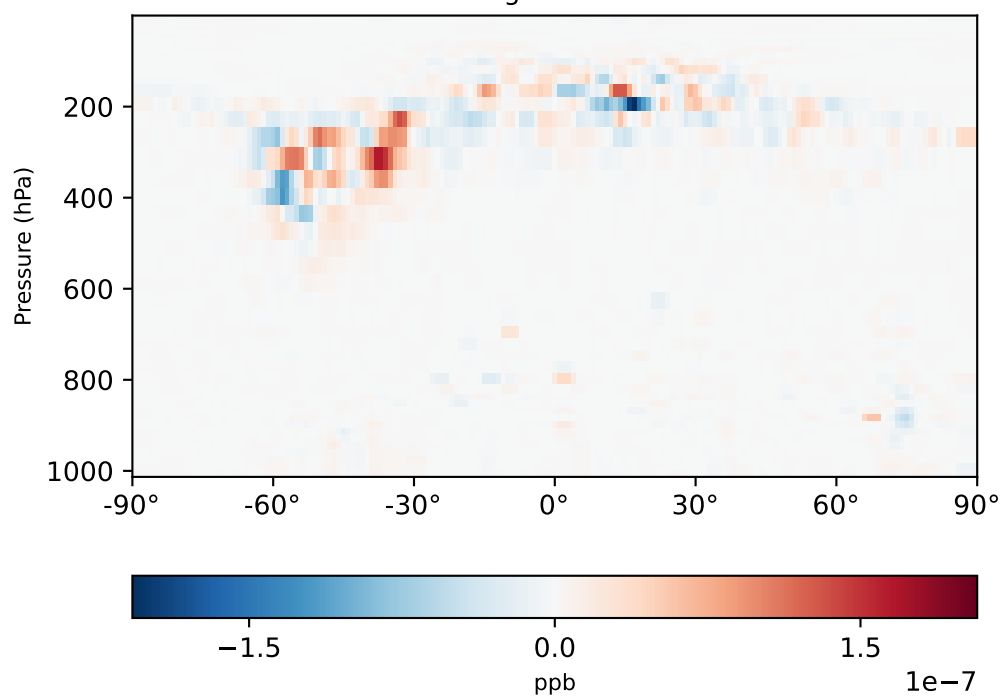


# SpeciesConcVV\_BrSALA, Zonal Mean

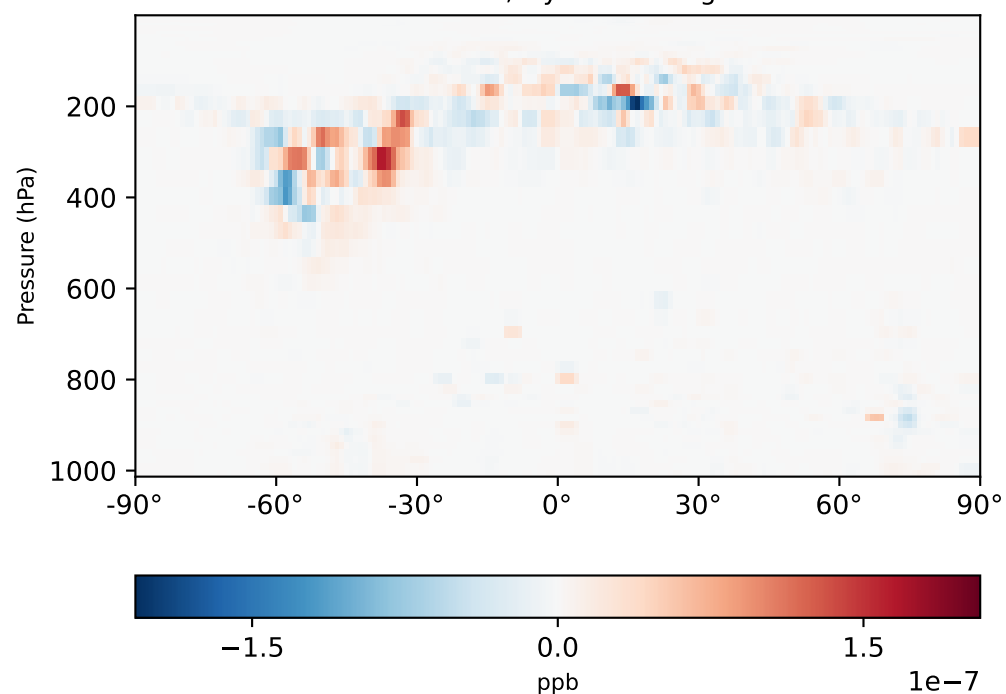
gcc-4x5-1Mon-14.7.0-alpha.11\_-gcc-4x5-1Mon-14.7.0-alpha.10 (Ref)  
4.0x5.0



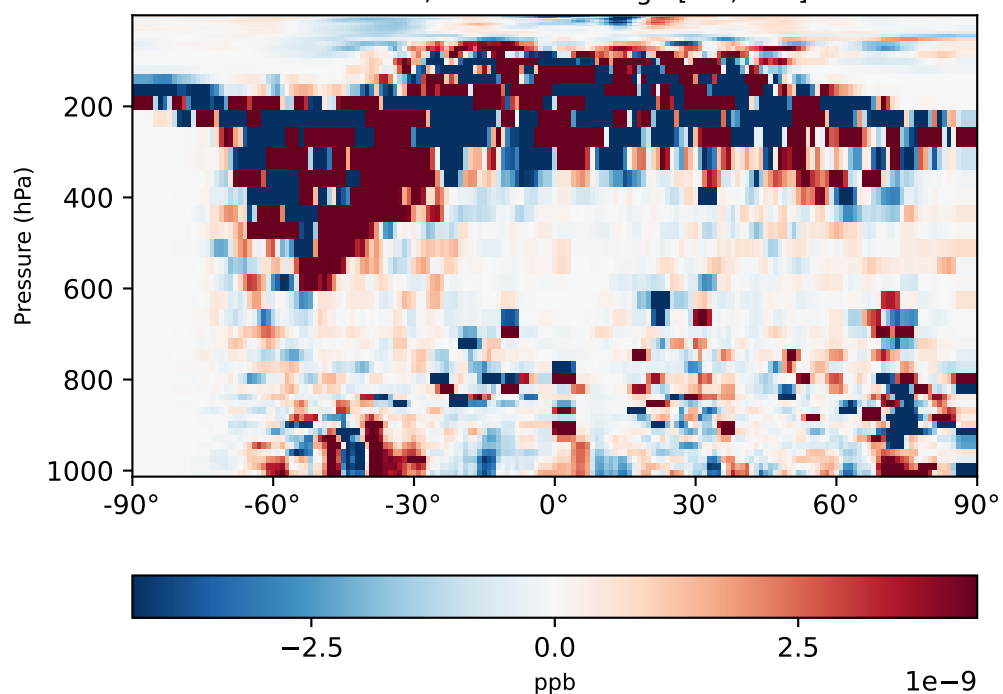
gchp-c24-1Mon-14.7.0-alpha.11\_-gchp-c24-1Mon-14.7.0-alpha.10 (Dev)  
1x1.25 regridded from c24



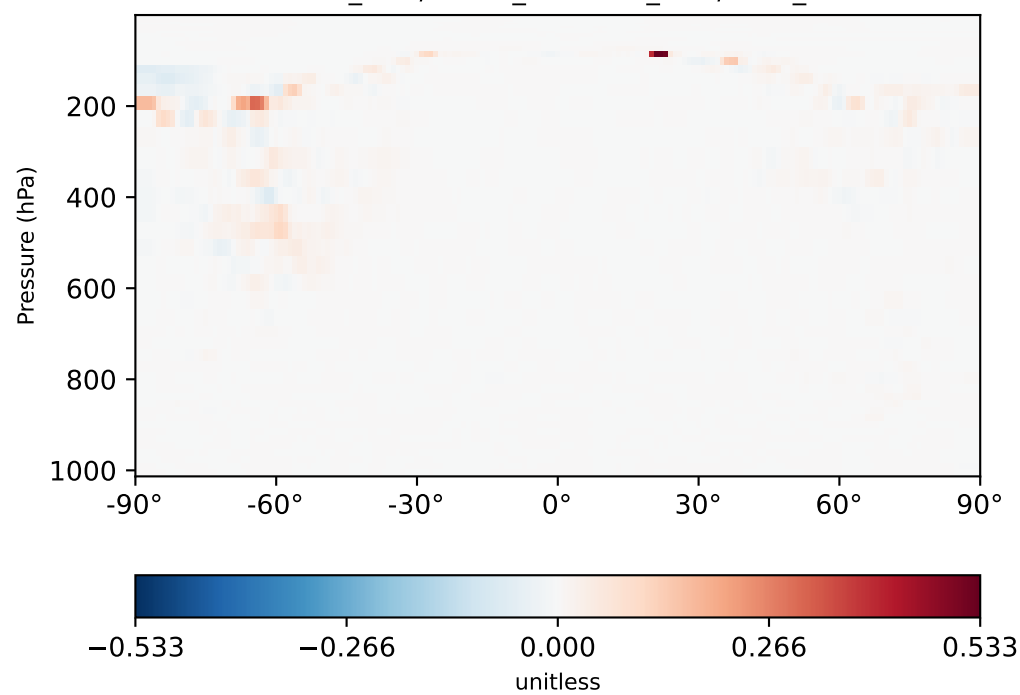
Difference (1x1.25)  
Dev - Ref, Dynamic Range



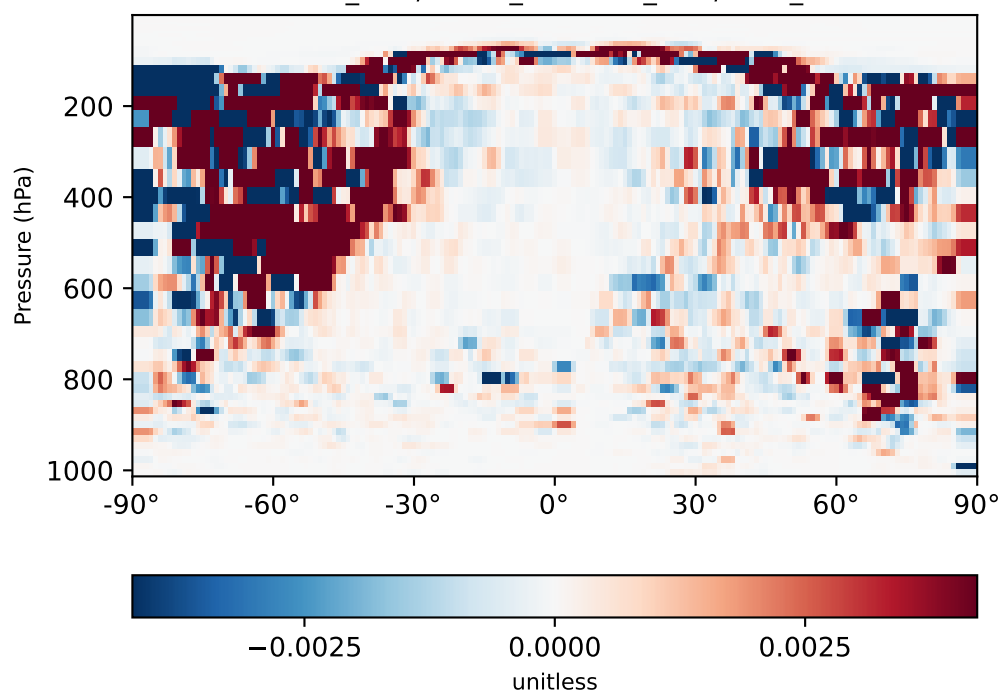
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

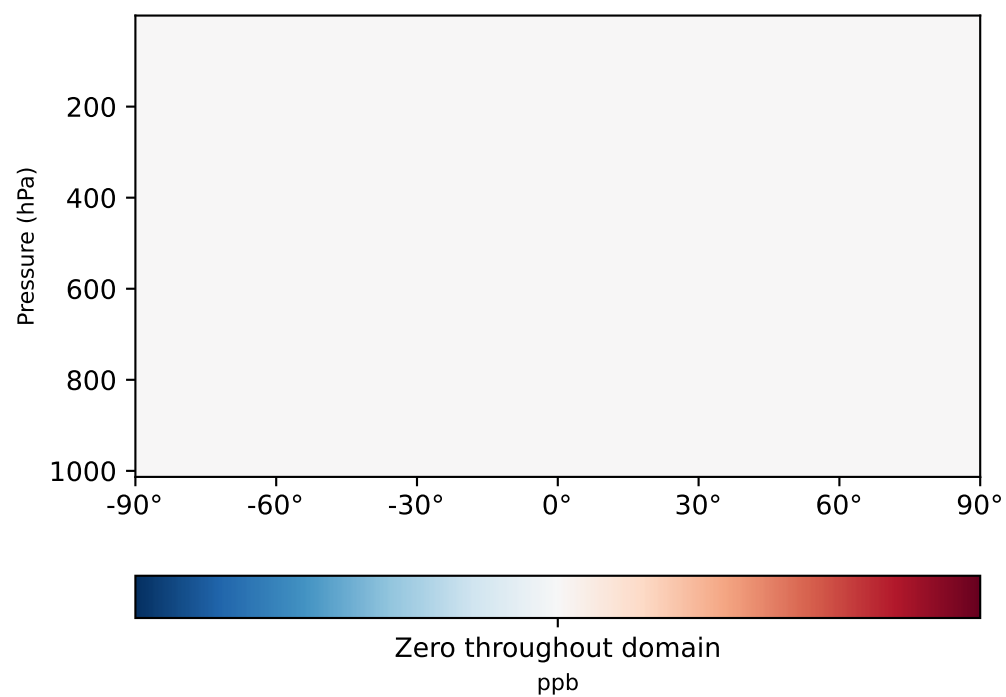


Difference (1x1.25), Restricted Range [5%,95%]  
 $GCHP\_dev / GCHP\_ref - GCC\_dev / GCC\_ref$

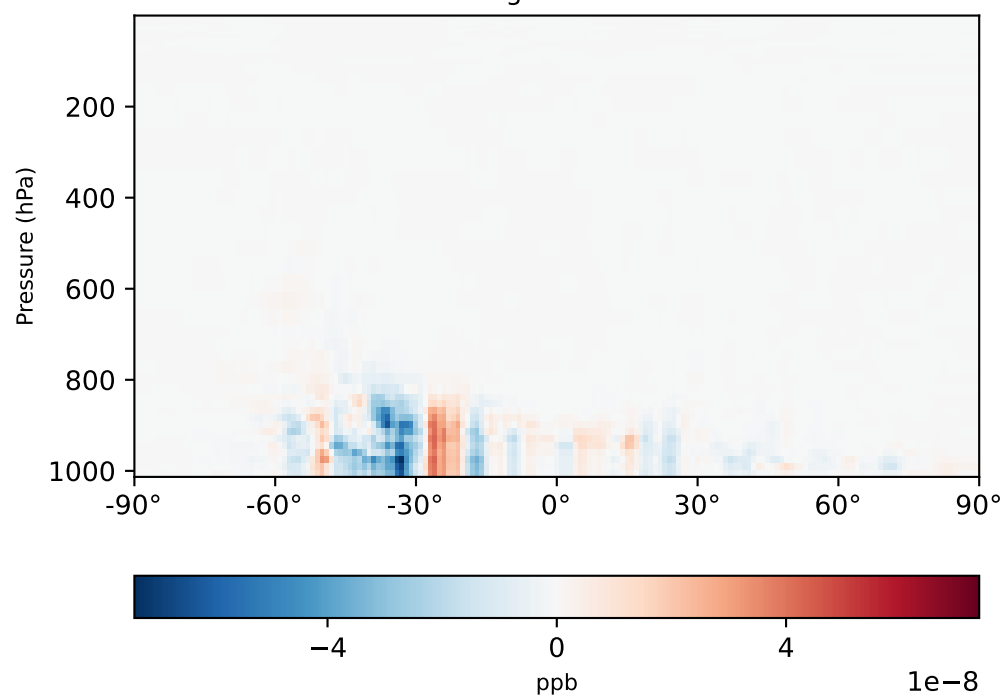


# SpeciesConcVV\_BrSALC, Zonal Mean

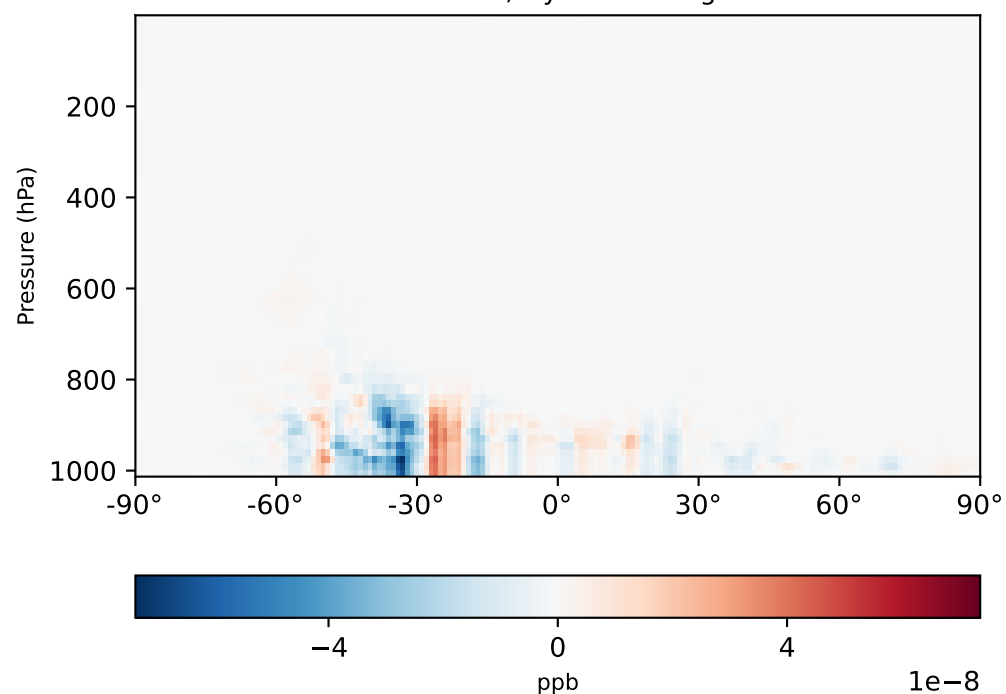
gcc-4x5-1Mon-14.7.0-alpha.11\_ - gcc-4x5-1Mon-14.7.0-alpha.10 (Ref)  
4.0x5.0



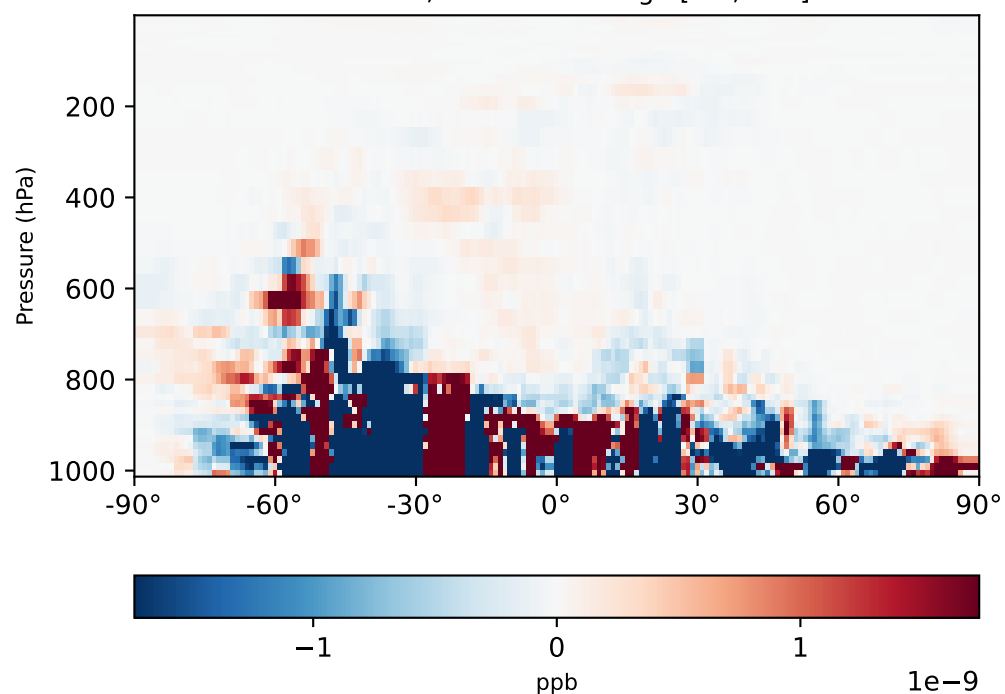
gchp-c24-1Mon-14.7.0-alpha.11\_ - gchp-c24-1Mon-14.7.0-alpha.10 (Dev)  
1x1.25 regridded from c24



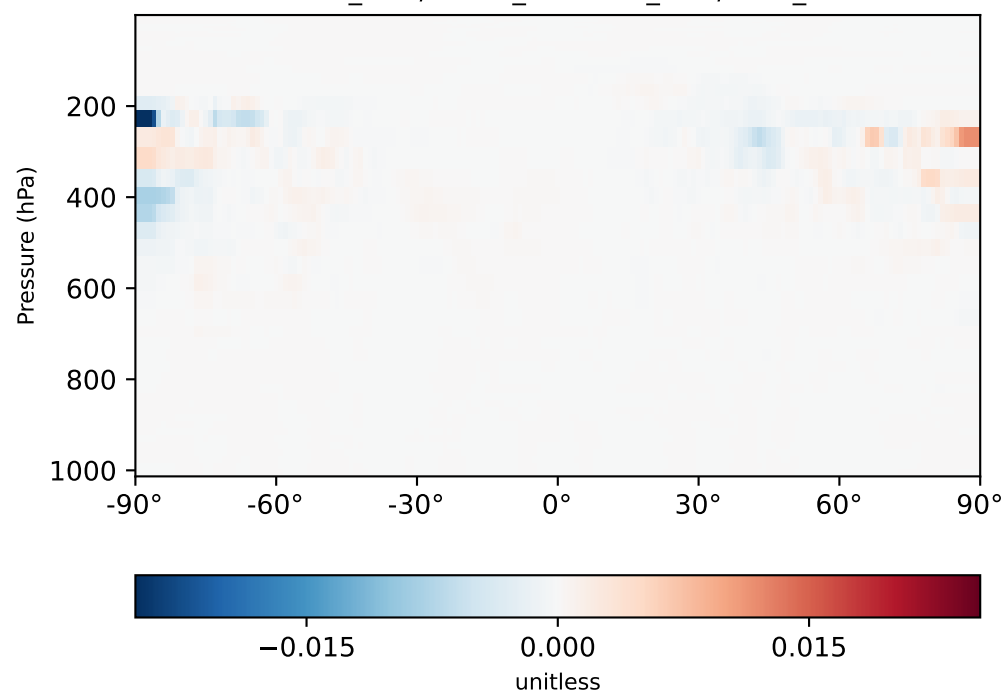
Difference (1x1.25)  
Dev - Ref, Dynamic Range



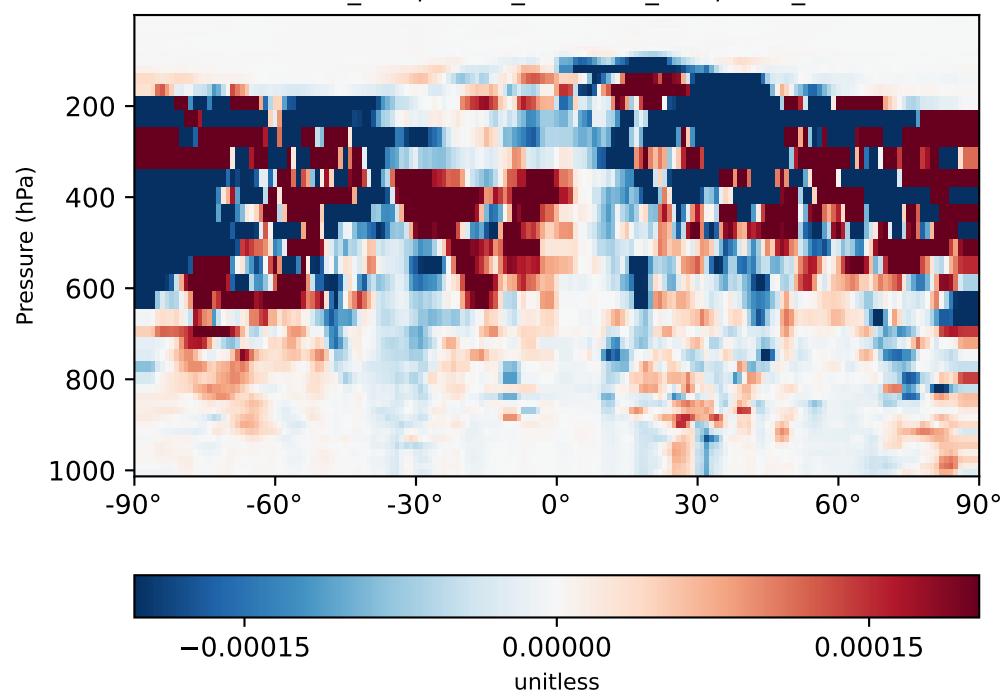
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

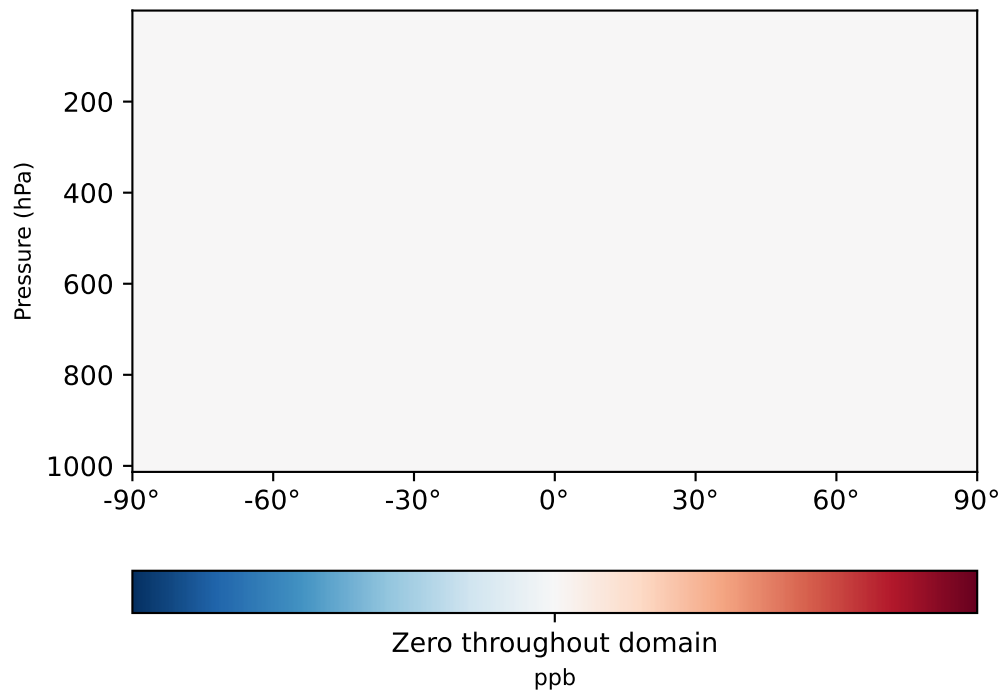


Difference (1x1.25), Restricted Range [5%,95%]  
GCHP\_dev / GCHP\_ref - GCC\_dev / GCC\_ref

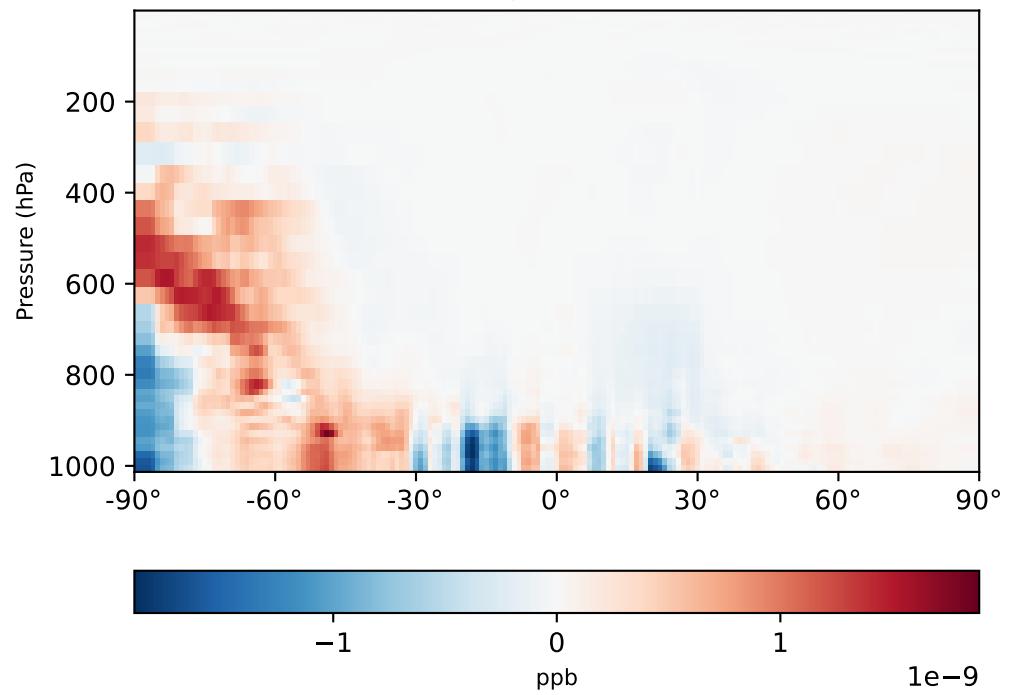


# SpeciesConcVV\_ISALA, Zonal Mean

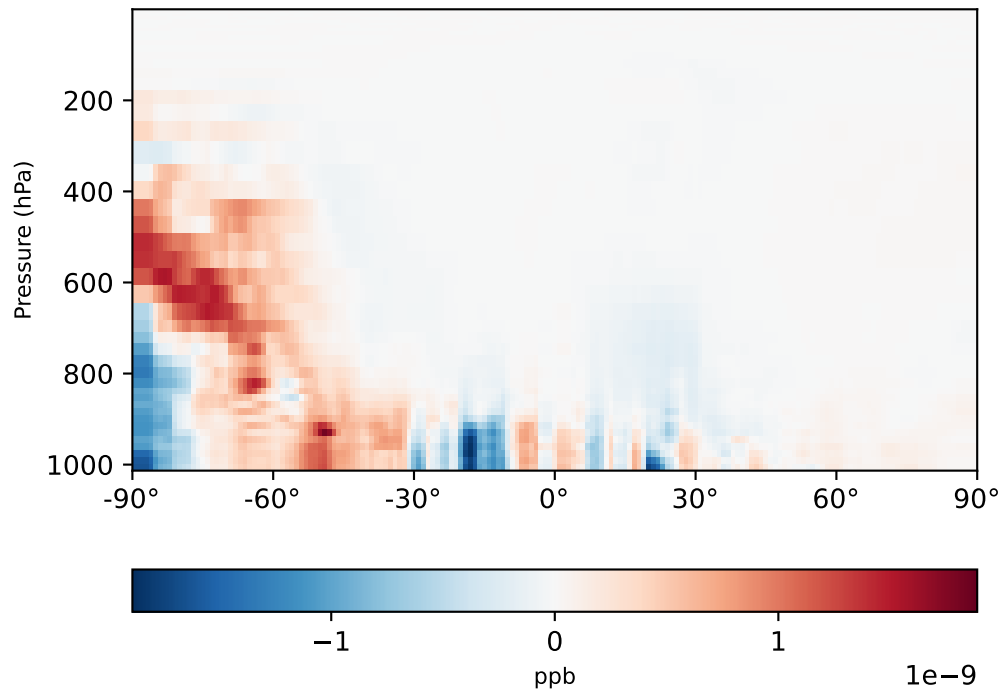
gcc-4x5-1Mon-14.7.0-alpha.11\_ - gcc-4x5-1Mon-14.7.0-alpha.10 (Ref)  
4.0x5.0



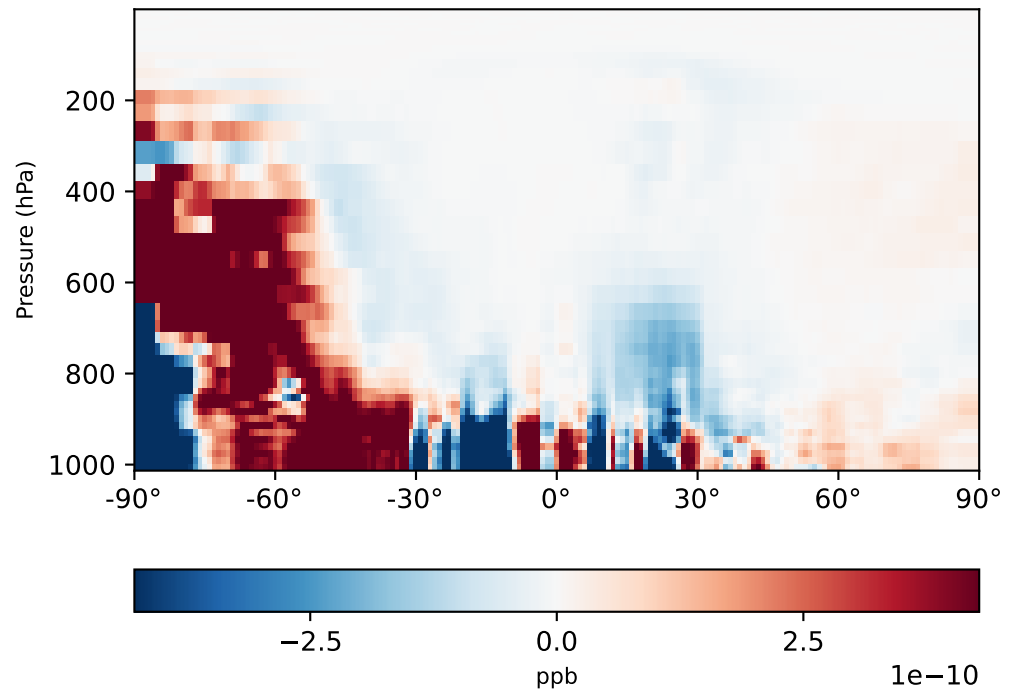
gchp-c24-1Mon-14.7.0-alpha.11\_ - gchp-c24-1Mon-14.7.0-alpha.10 (Dev)  
1x1.25 regridded from c24



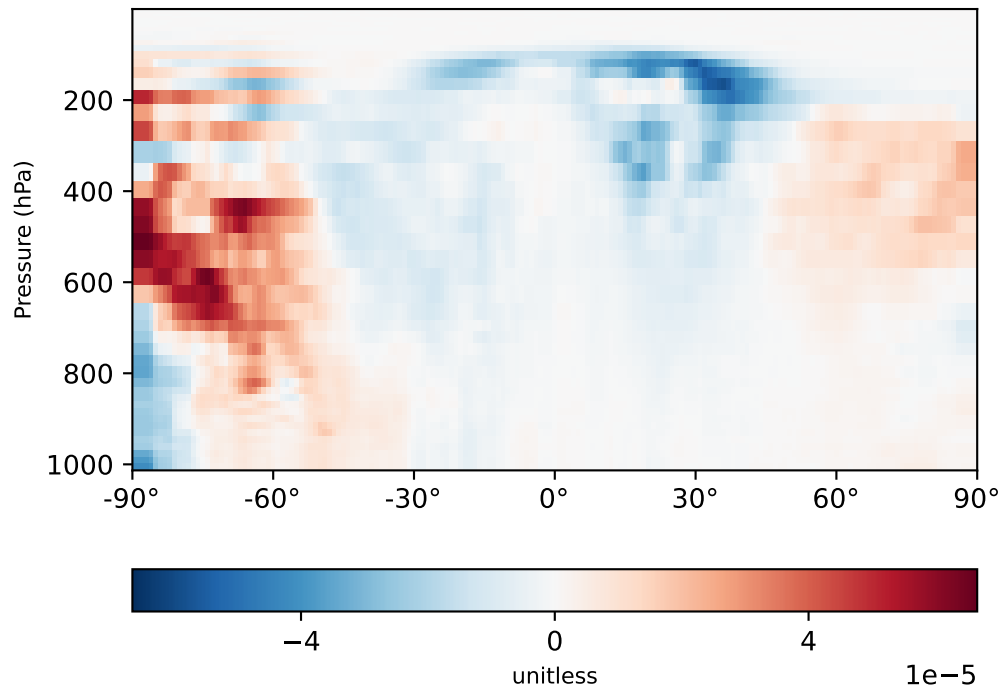
Difference (1x1.25)  
Dev - Ref, Dynamic Range



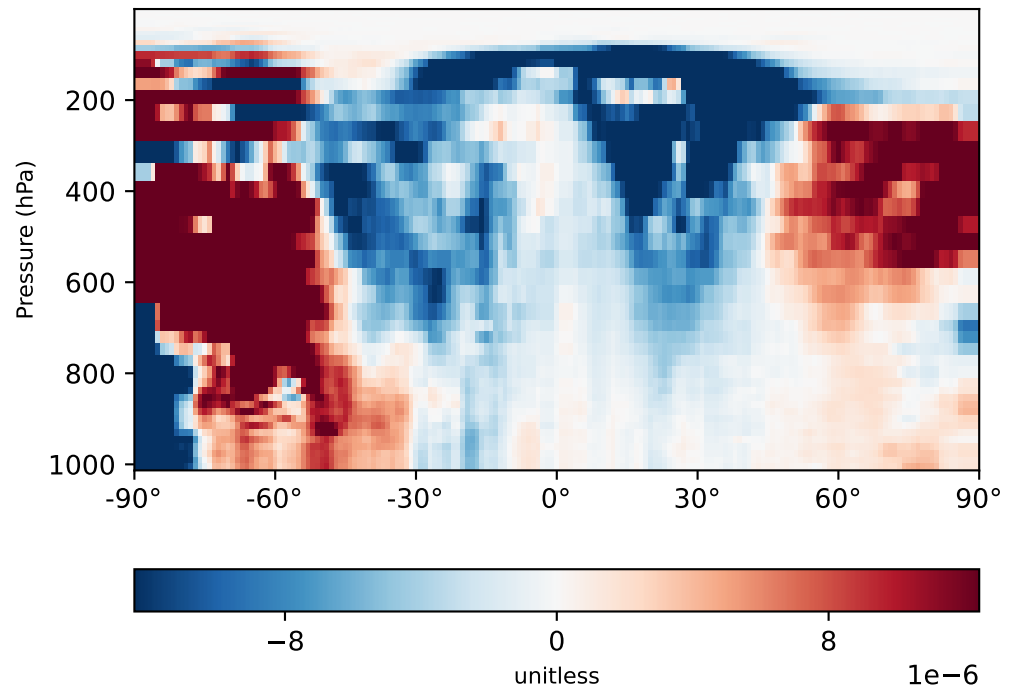
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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



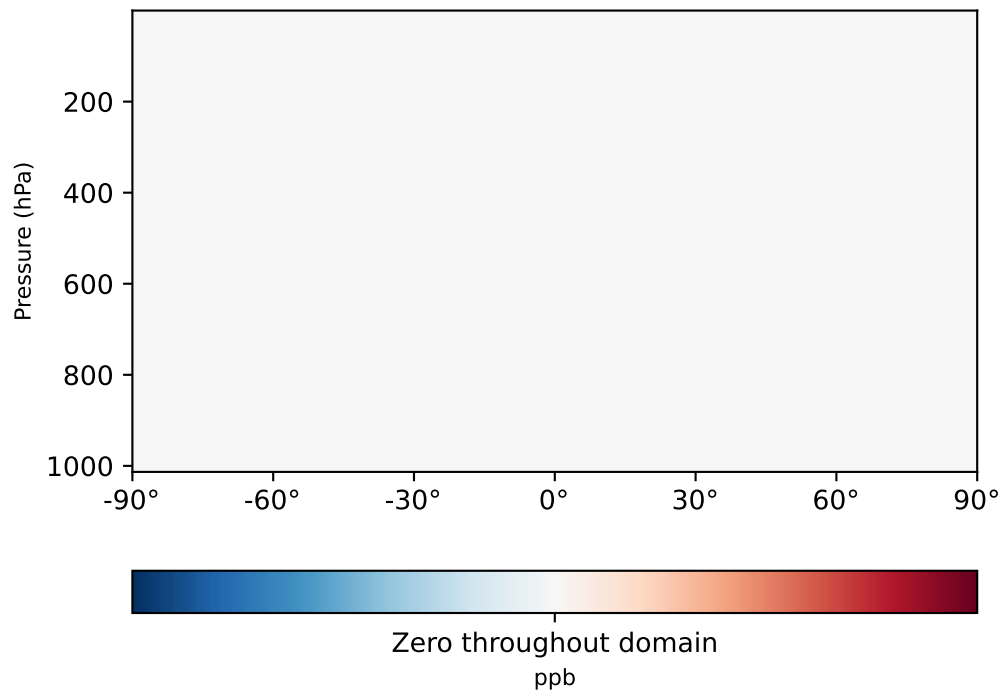
Difference (1x1.25), Restricted Range [5%,95%]  
GCHP\_dev / GCHP\_ref - GCC\_dev / GCC\_ref



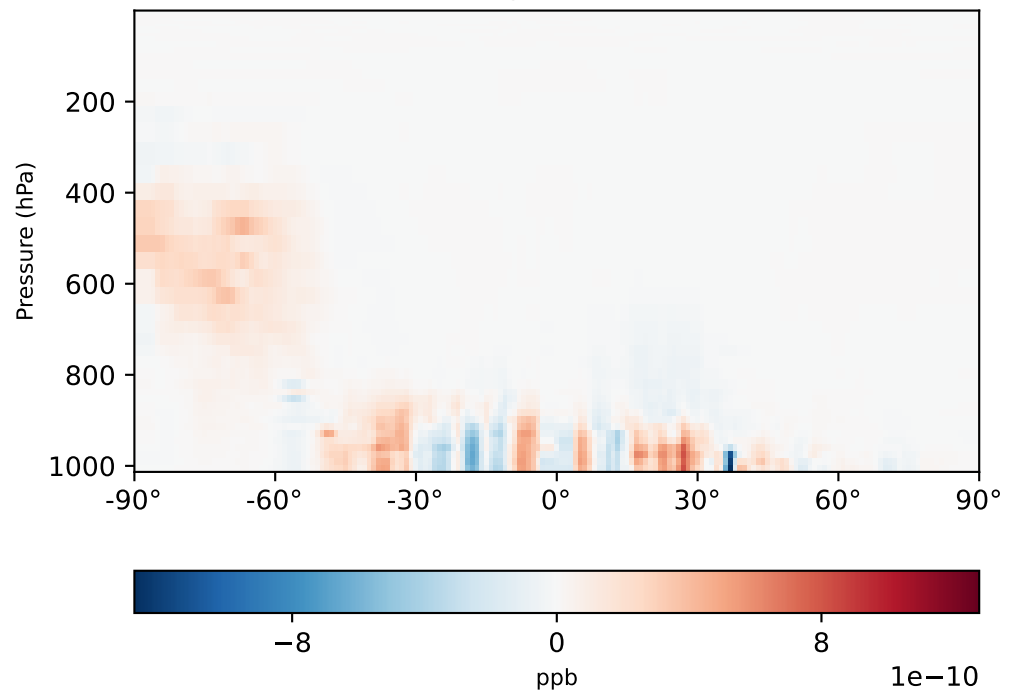


# SpeciesConcVV\_ISALC, Zonal Mean

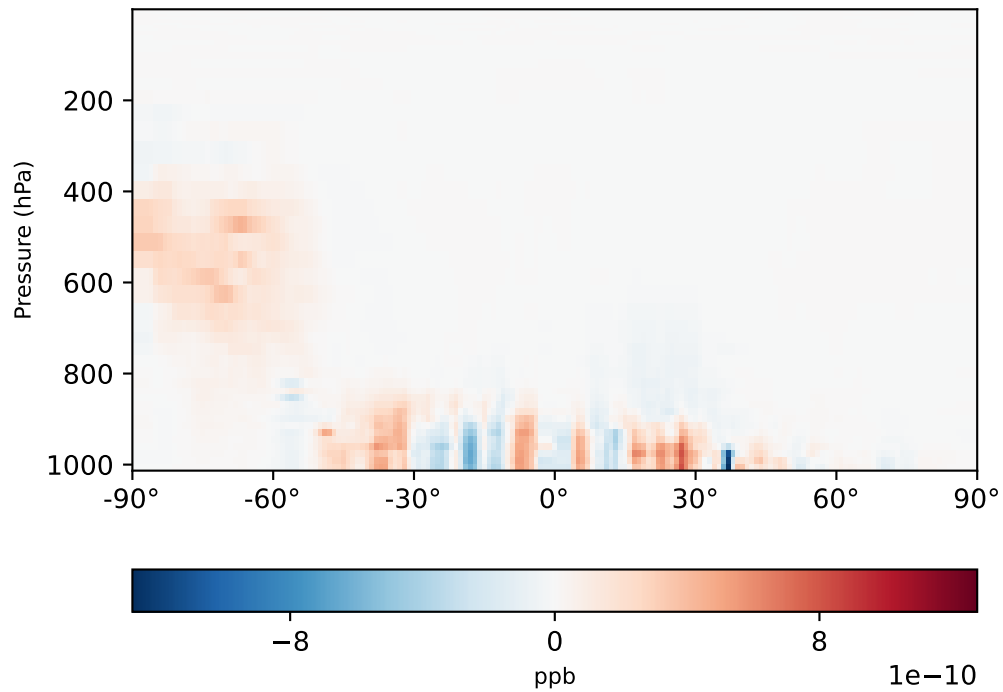
gcc-4x5-1Mon-14.7.0-alpha.11\_-gcc-4x5-1Mon-14.7.0-alpha.10 (Ref)  
4.0x5.0



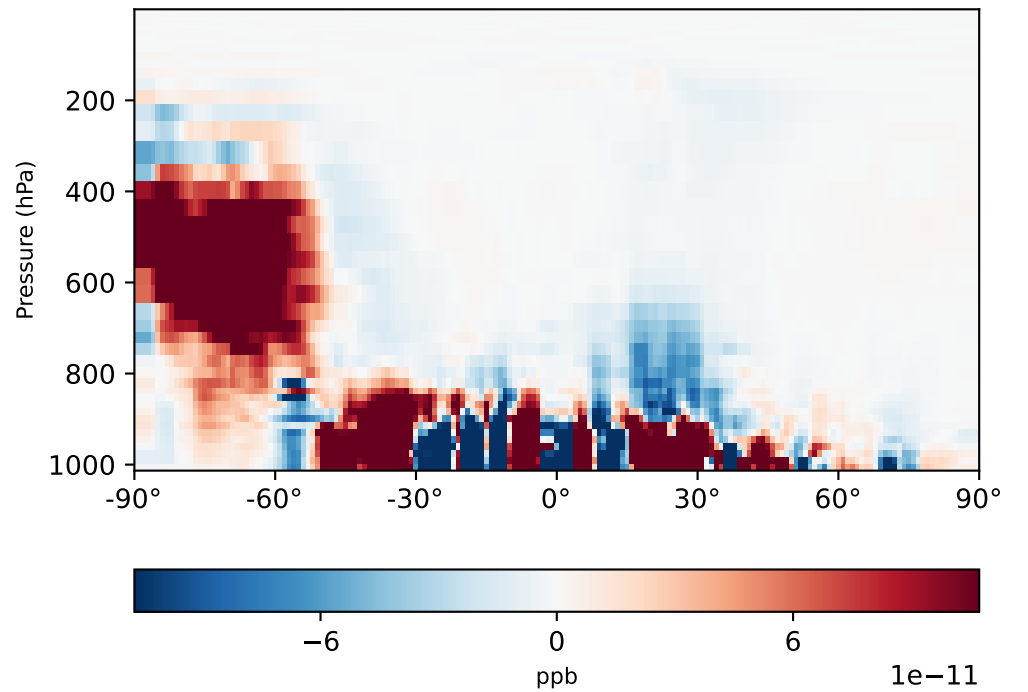
gchp-c24-1Mon-14.7.0-alpha.11\_-gchp-c24-1Mon-14.7.0-alpha.10 (Dev)  
1x1.25 regridded from c24



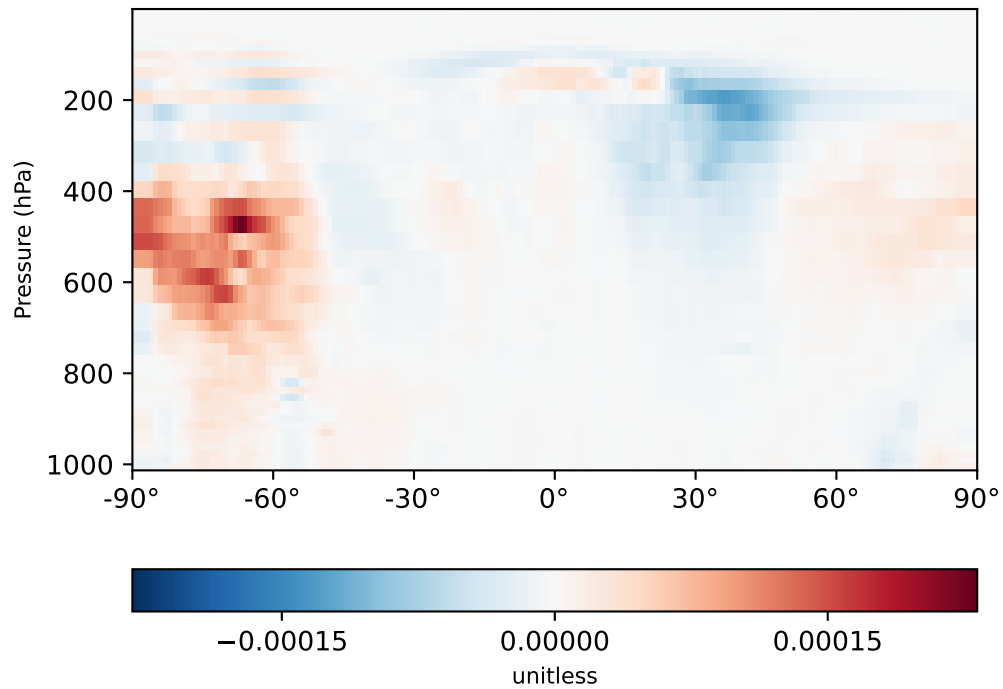
Difference (1x1.25)  
Dev - Ref, Dynamic Range



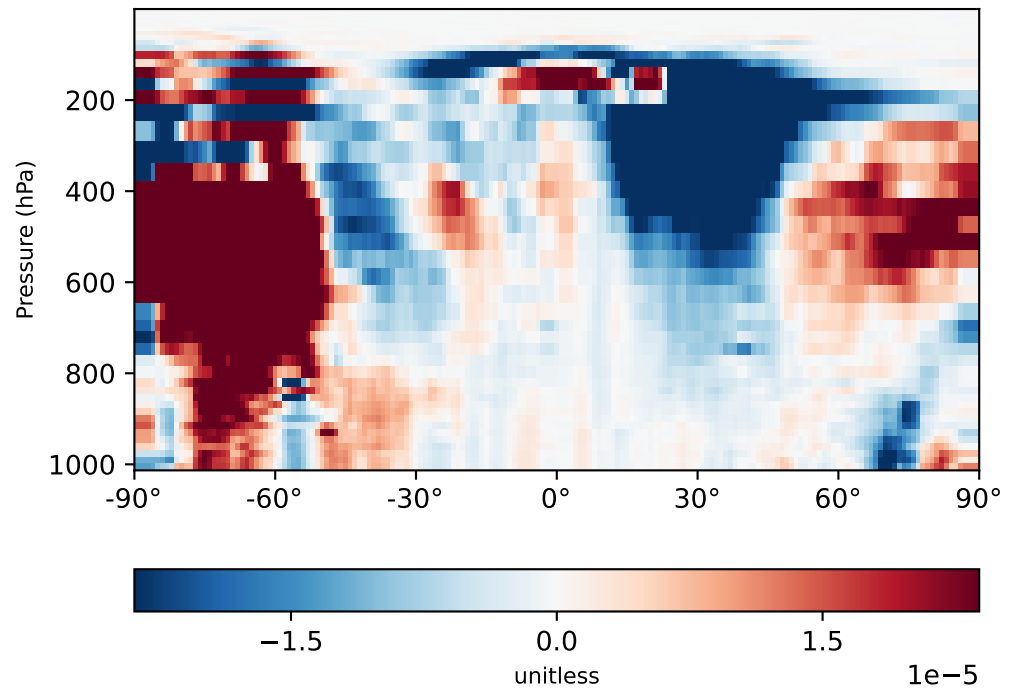
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

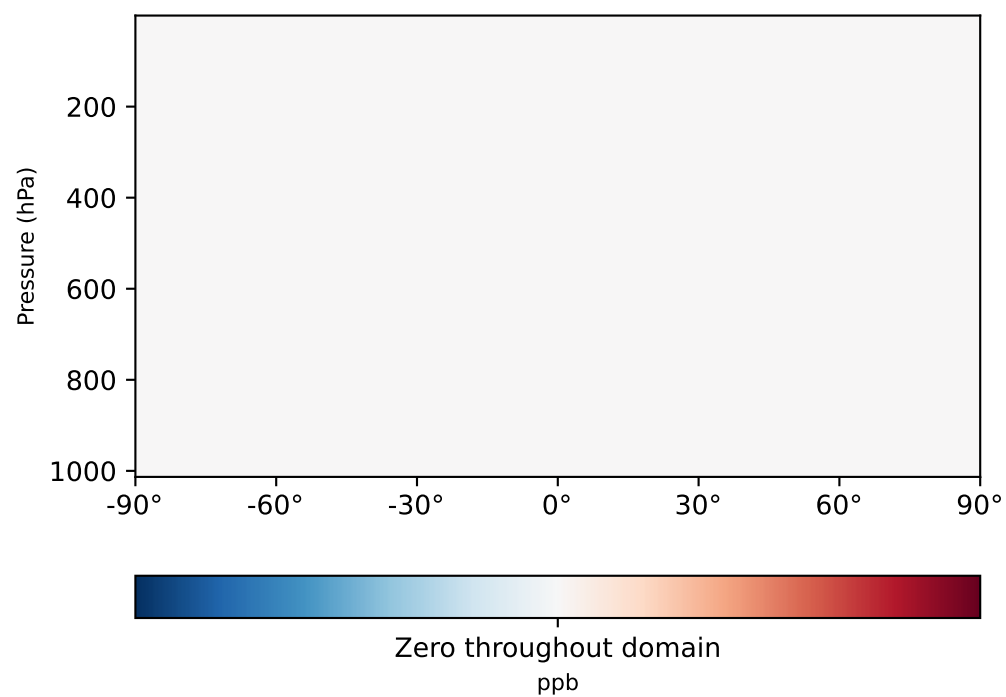


Difference (1x1.25), Restricted Range [5%,95%]  
GCHP\_dev / GCHP\_ref - GCC\_dev / GCC\_ref

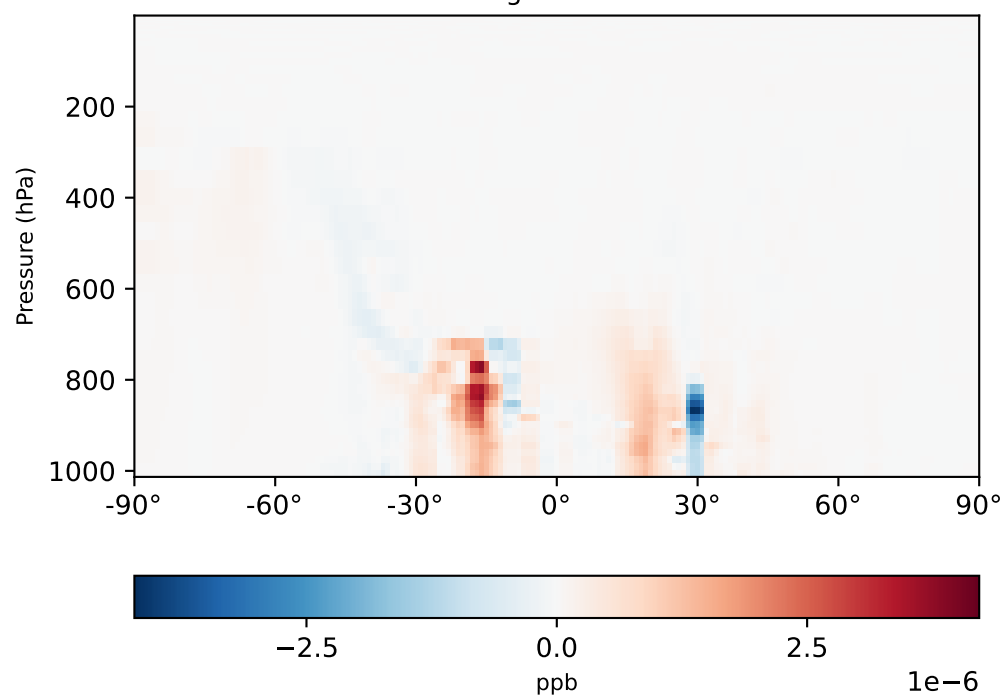


# SpeciesConcVV\_NITs, Zonal Mean

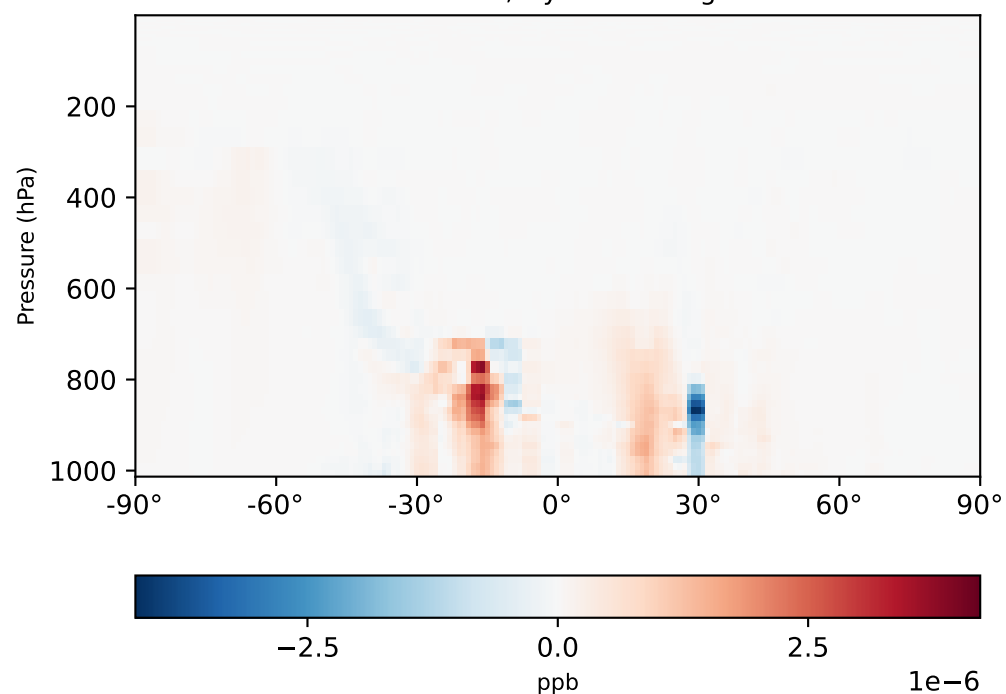
gcc-4x5-1Mon-14.7.0-alpha.11\_ - gcc-4x5-1Mon-14.7.0-alpha.10 (Ref)  
4.0x5.0



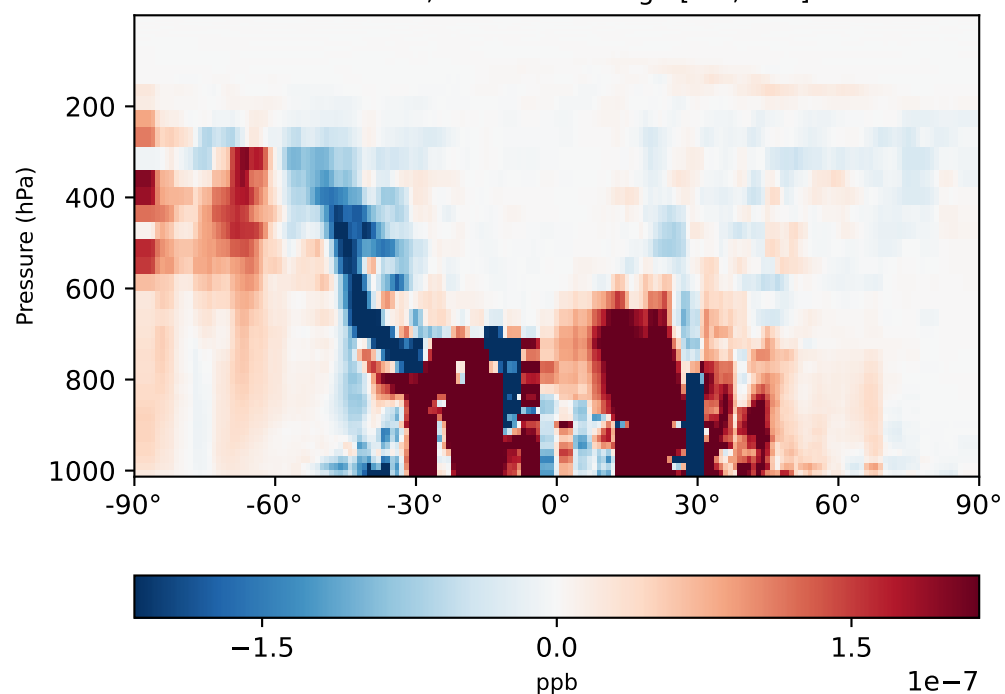
gchp-c24-1Mon-14.7.0-alpha.11\_ - gchp-c24-1Mon-14.7.0-alpha.10 (Dev)  
1x1.25 regridded from c24



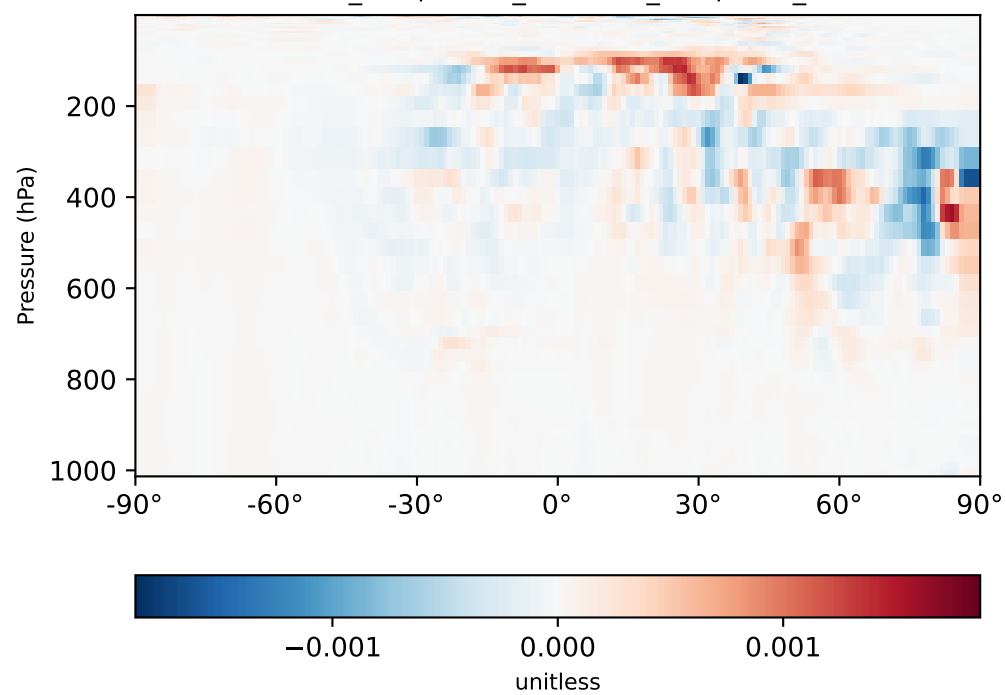
Difference (1x1.25)  
Dev - Ref, Dynamic Range



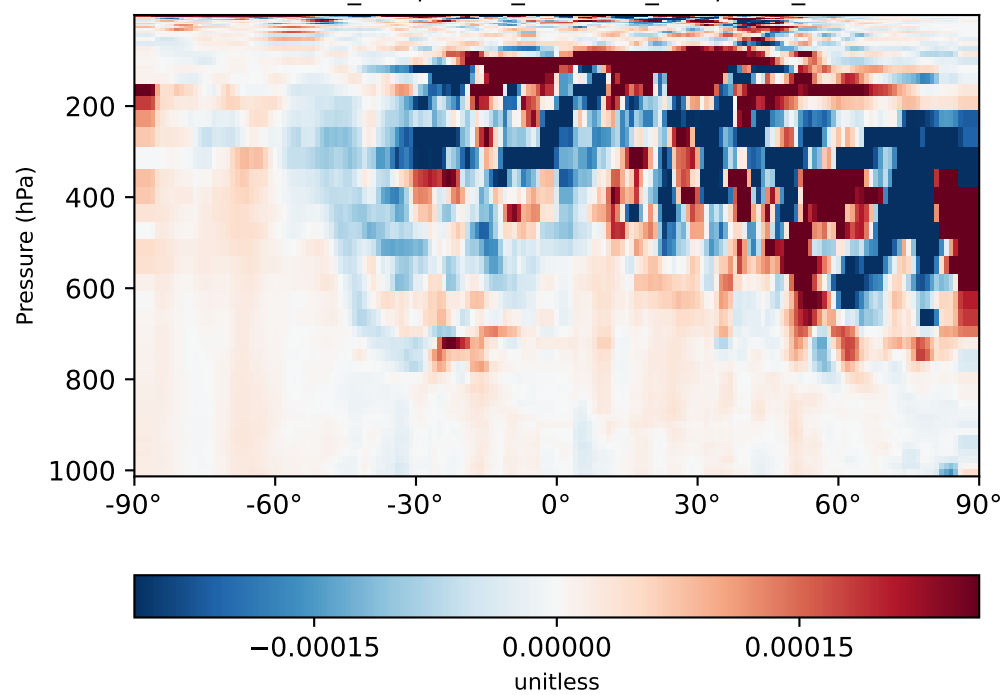
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

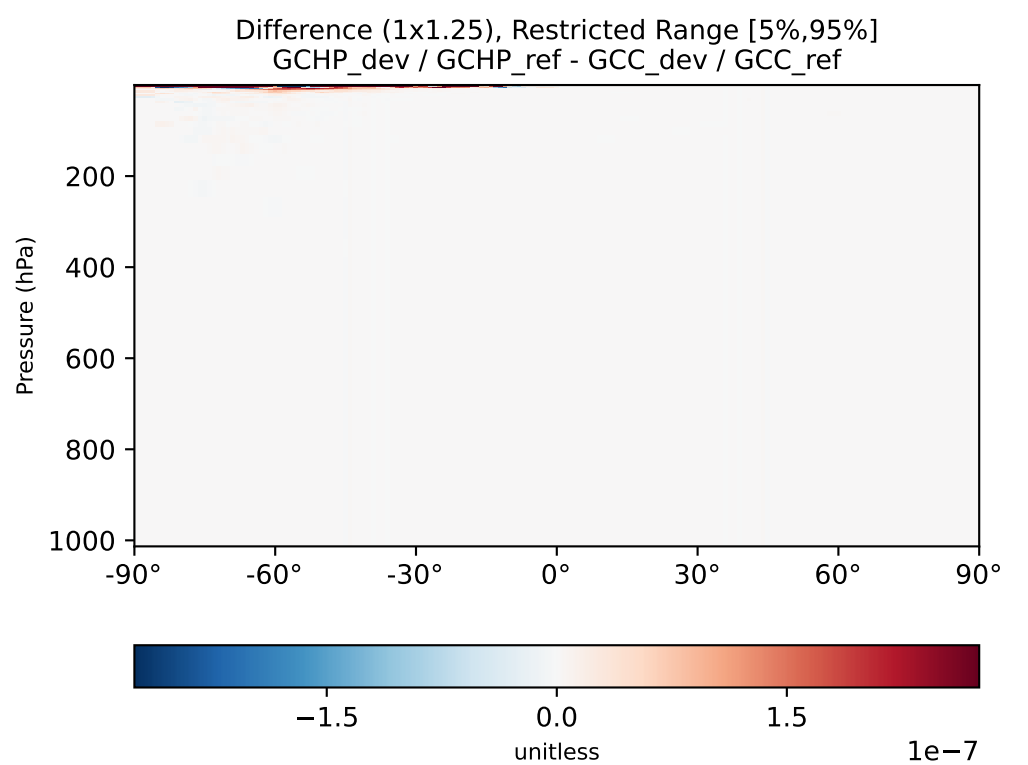
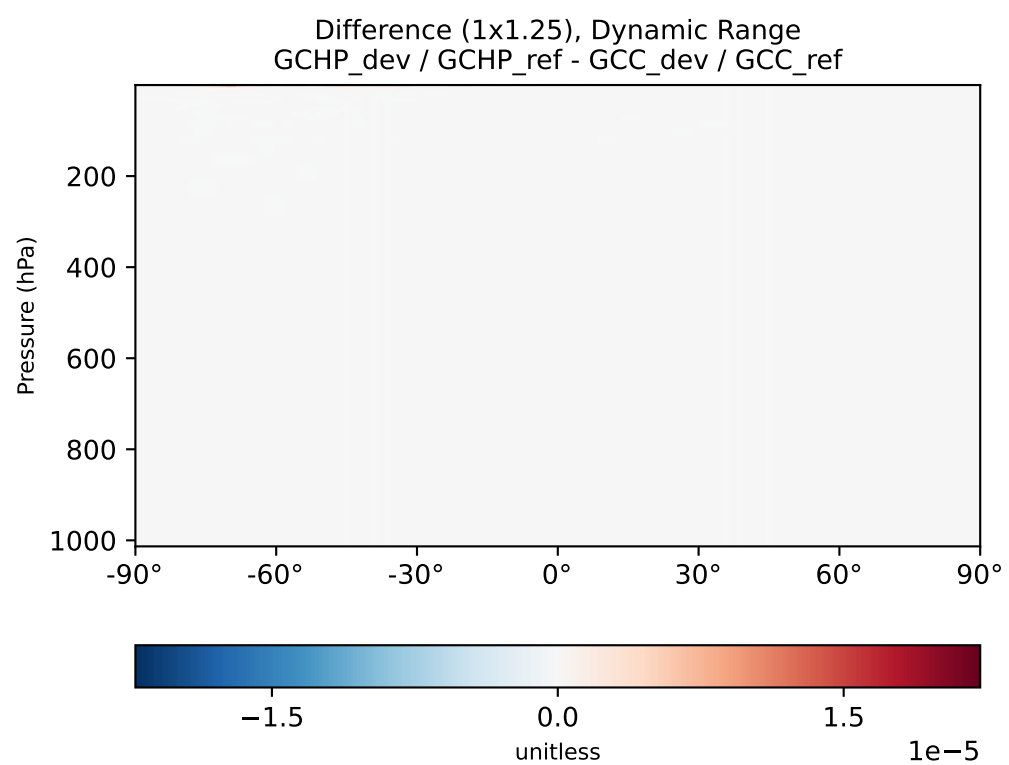
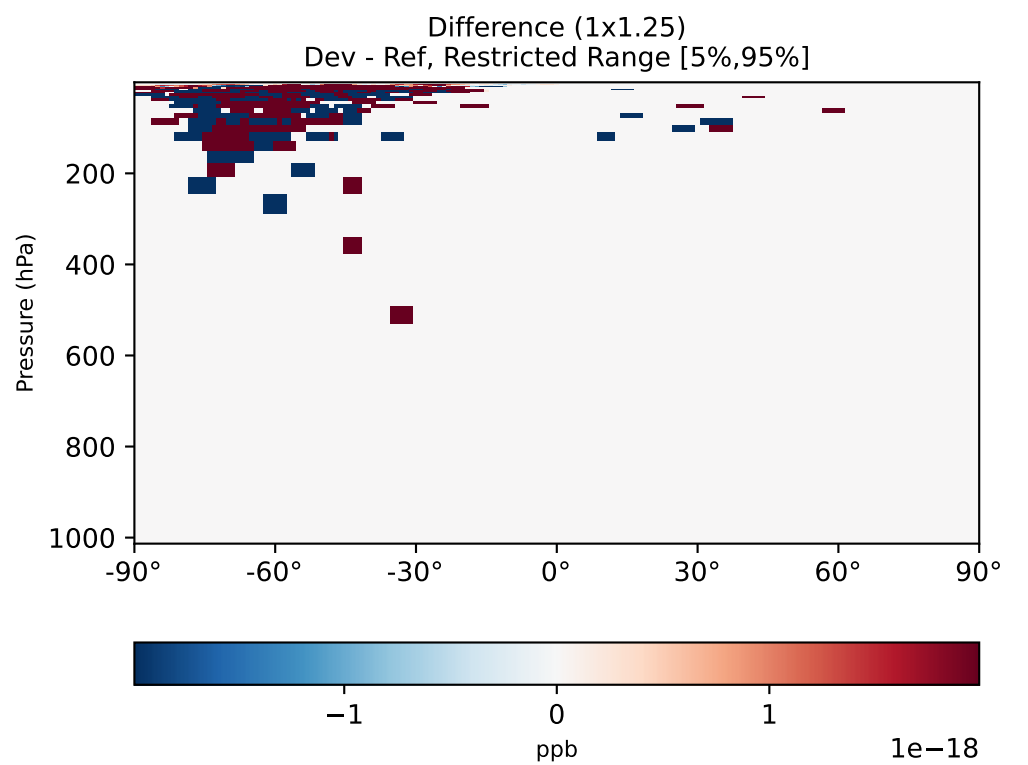
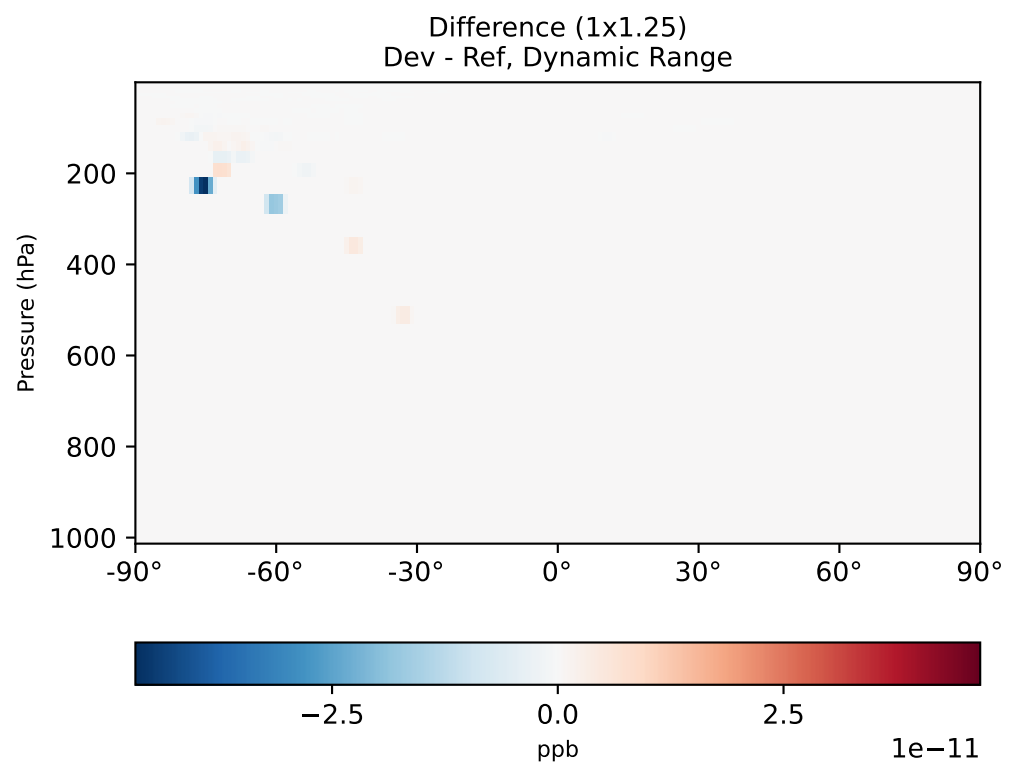
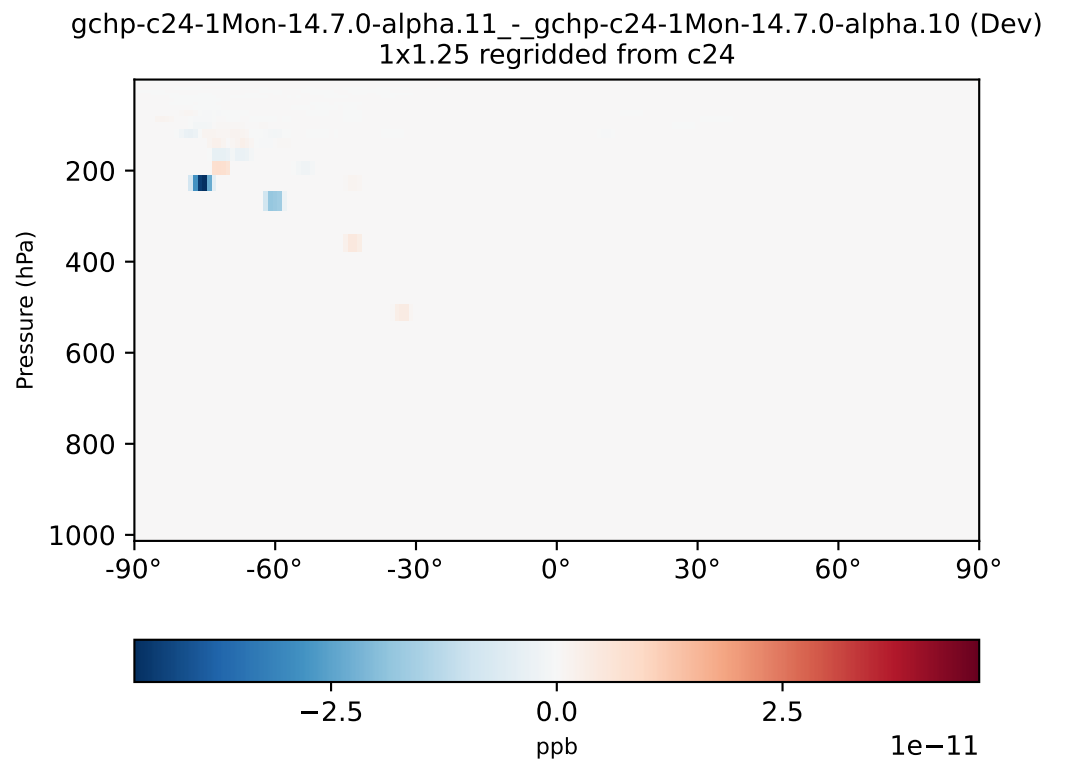
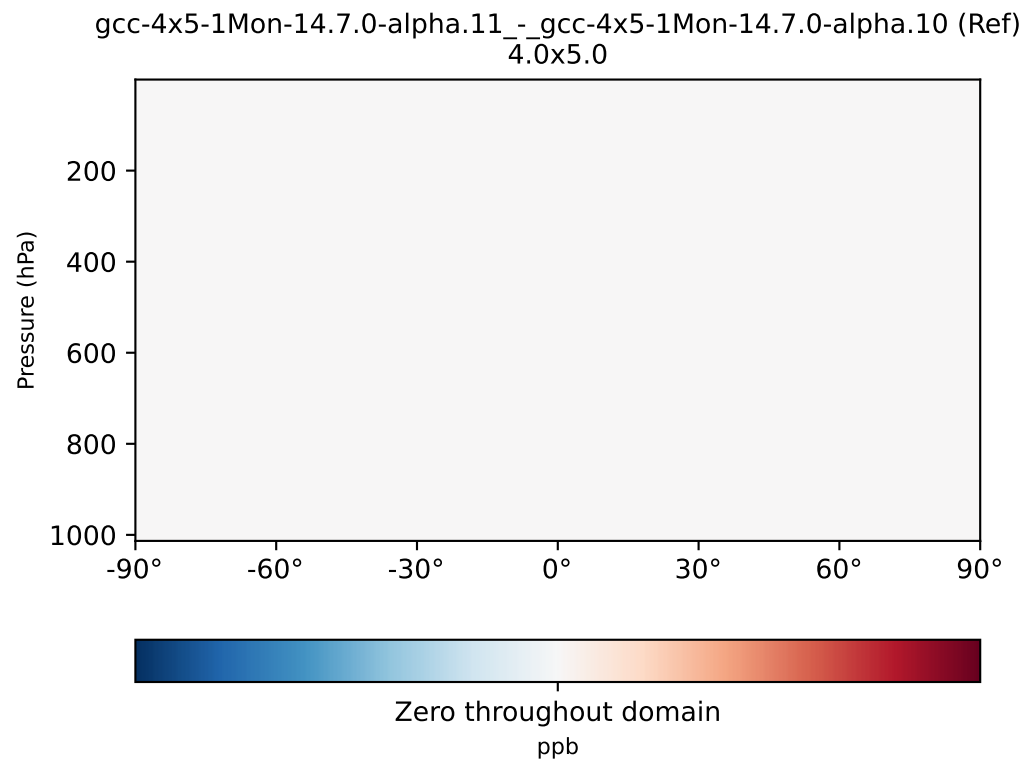


Difference (1x1.25), Restricted Range [5%,95%]  
GCHP\_dev / GCHP\_ref - GCC\_dev / GCC\_ref



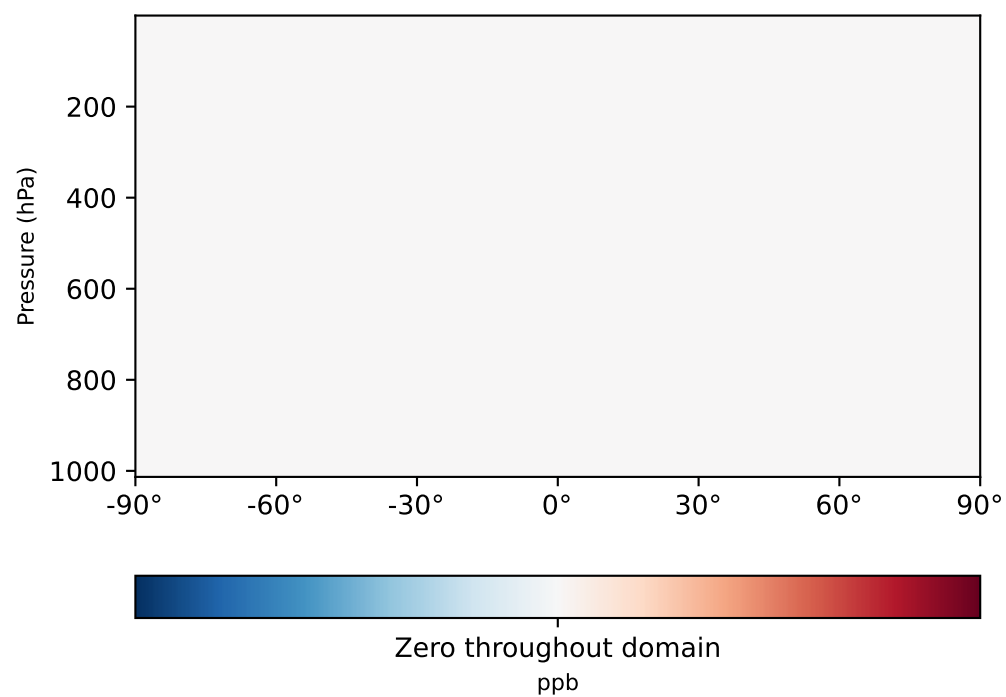


# SpeciesConcVV\_SALA, Zonal Mean

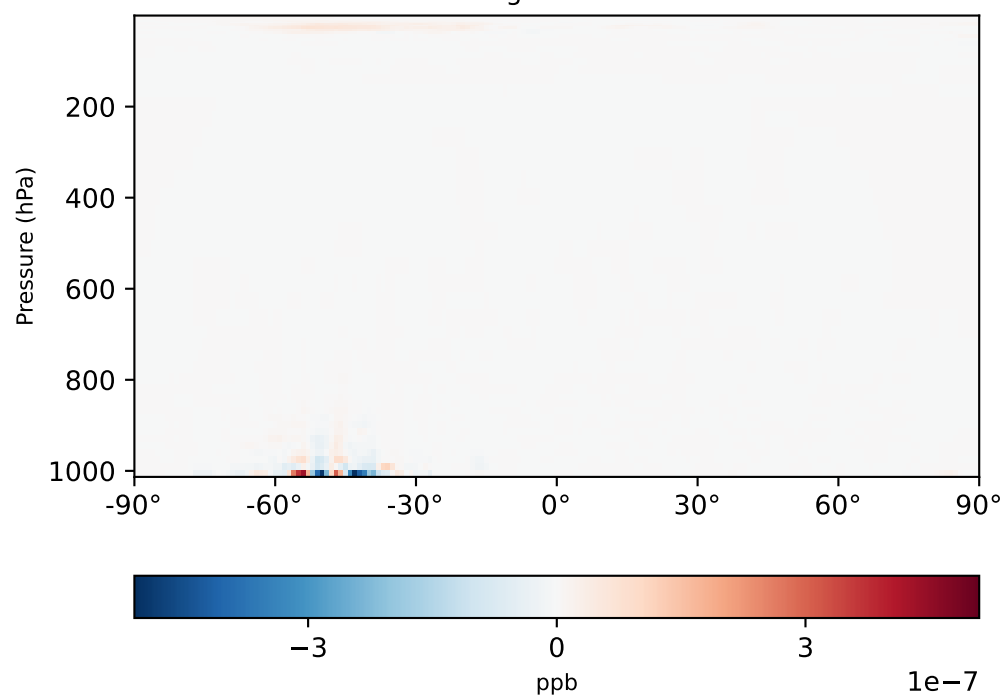


# SpeciesConcVV\_SALAAL, Zonal Mean

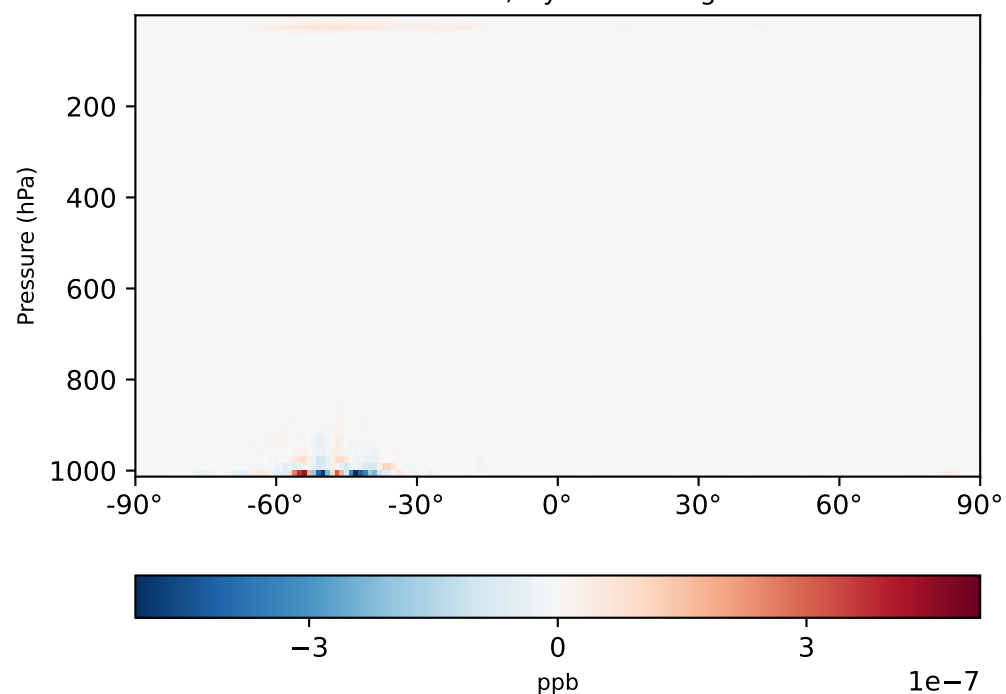
gcc-4x5-1Mon-14.7.0-alpha.11\_ - gcc-4x5-1Mon-14.7.0-alpha.10 (Ref)  
4.0x5.0



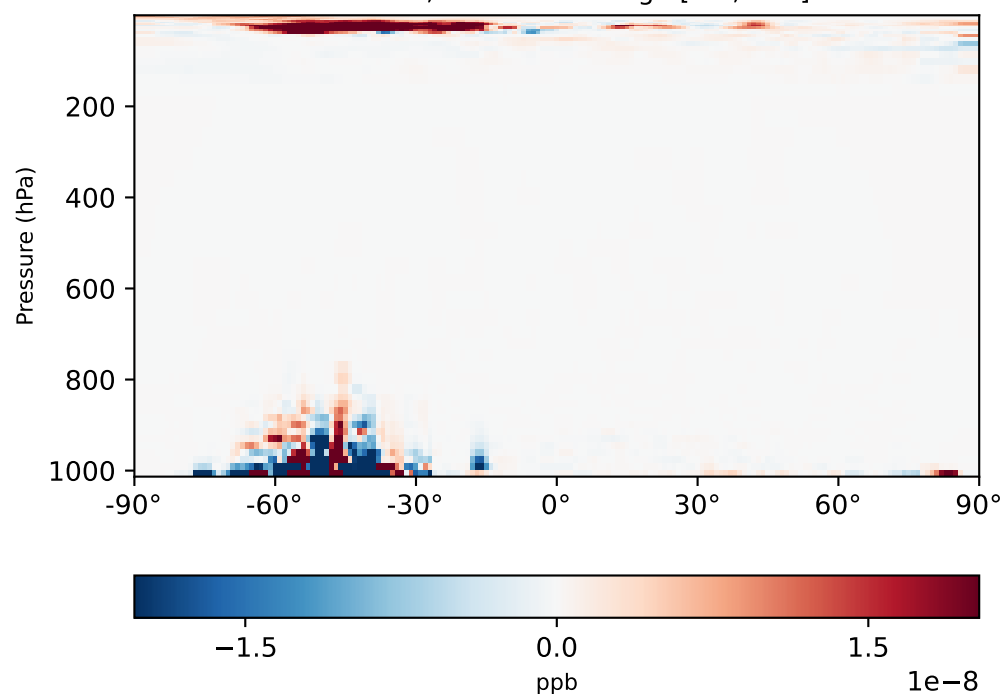
gchp-c24-1Mon-14.7.0-alpha.11\_ - gchp-c24-1Mon-14.7.0-alpha.10 (Dev)  
1x1.25 regridded from c24



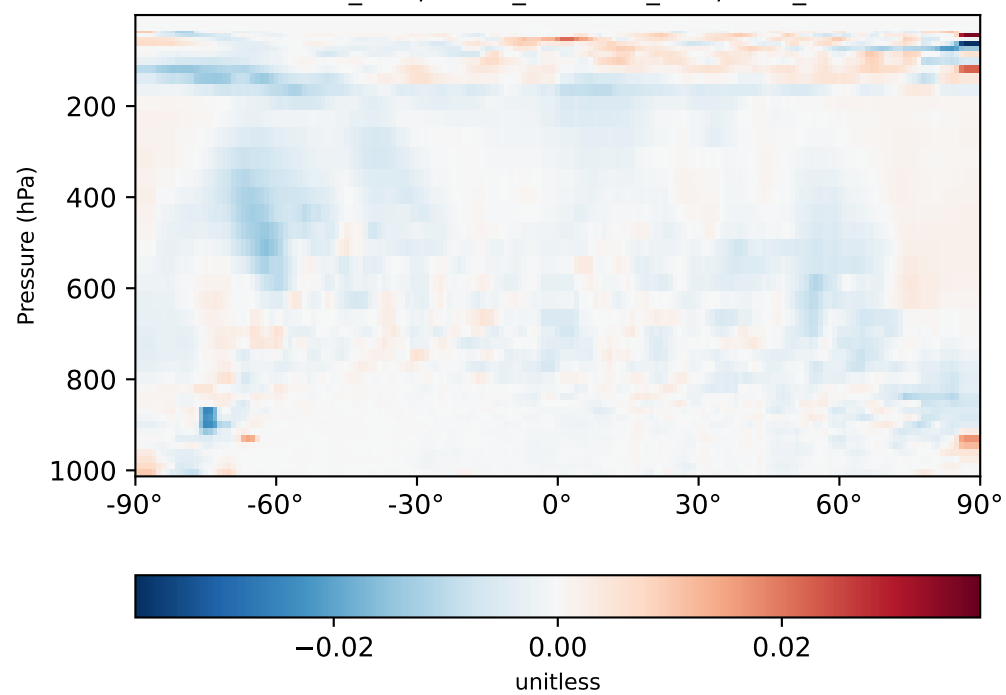
Difference (1x1.25)  
Dev - Ref, Dynamic Range



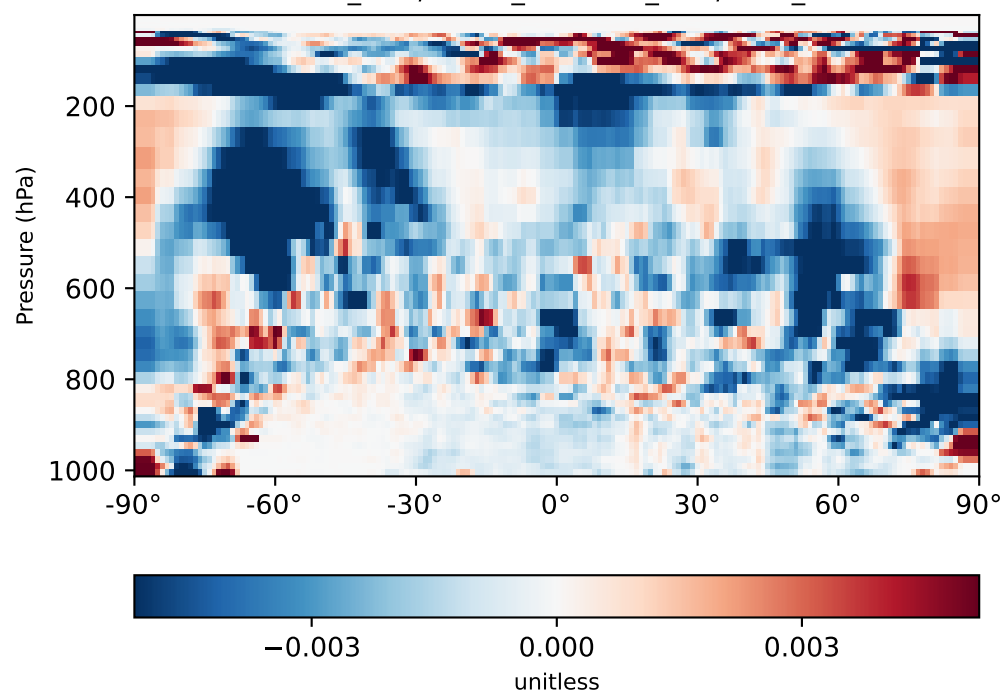
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

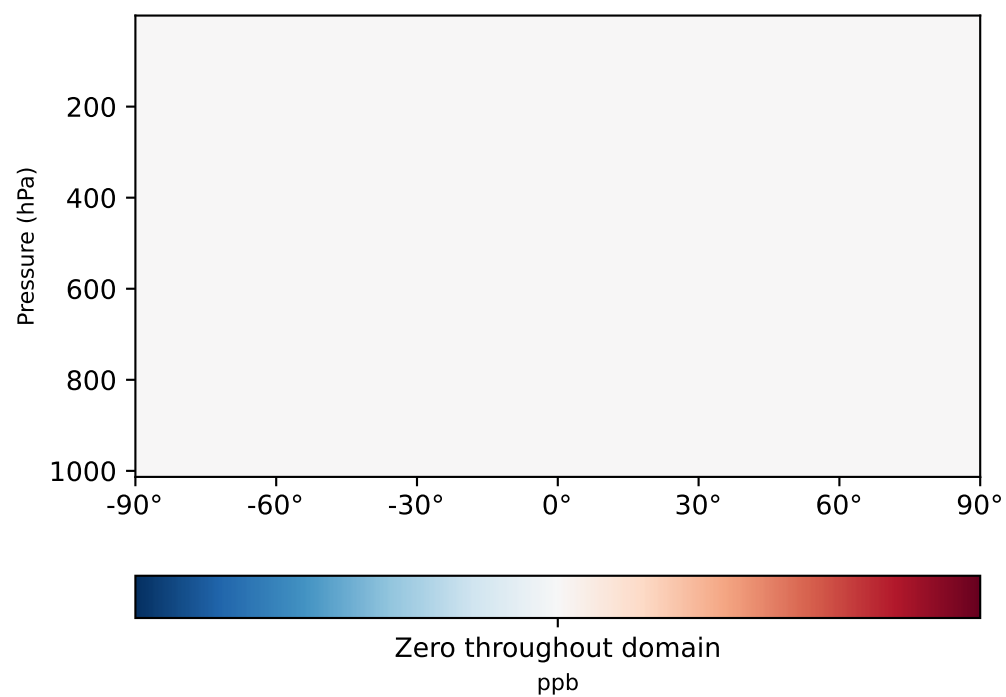


Difference (1x1.25), Restricted Range [5%,95%]  
GCHP\_dev / GCHP\_ref - GCC\_dev / GCC\_ref

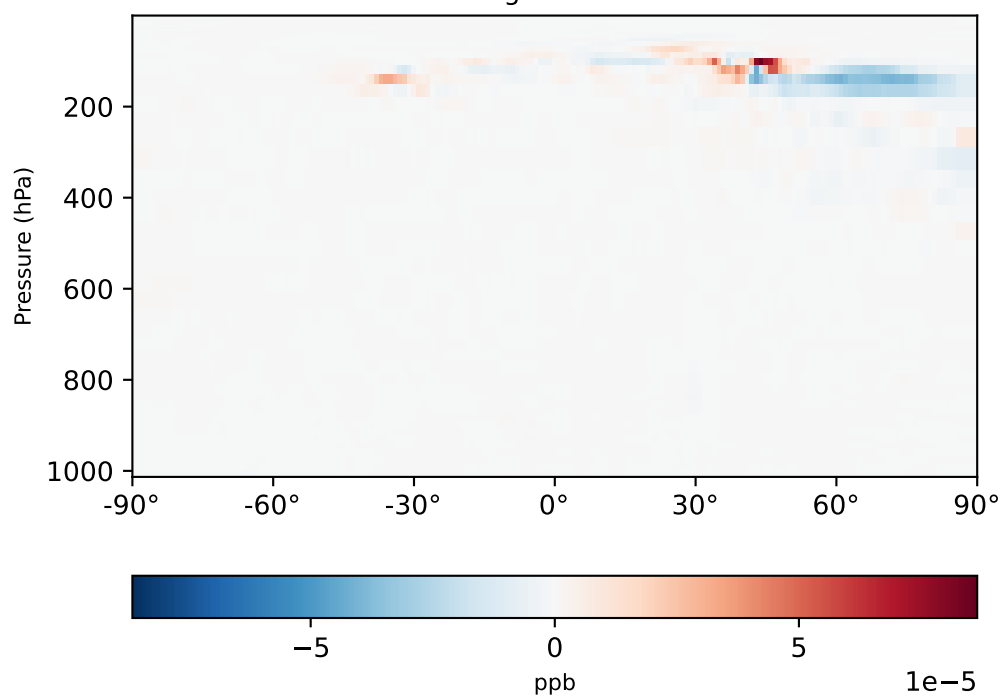


# SpeciesConcVV\_SALACL, Zonal Mean

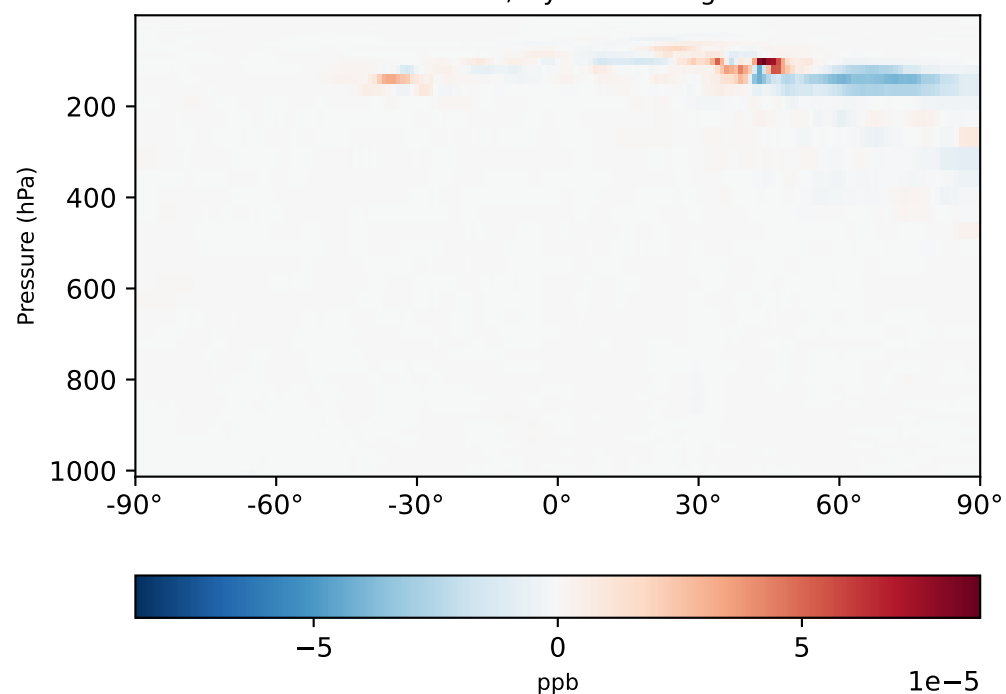
gcc-4x5-1Mon-14.7.0-alpha.11\_ - gcc-4x5-1Mon-14.7.0-alpha.10 (Ref)  
4.0x5.0



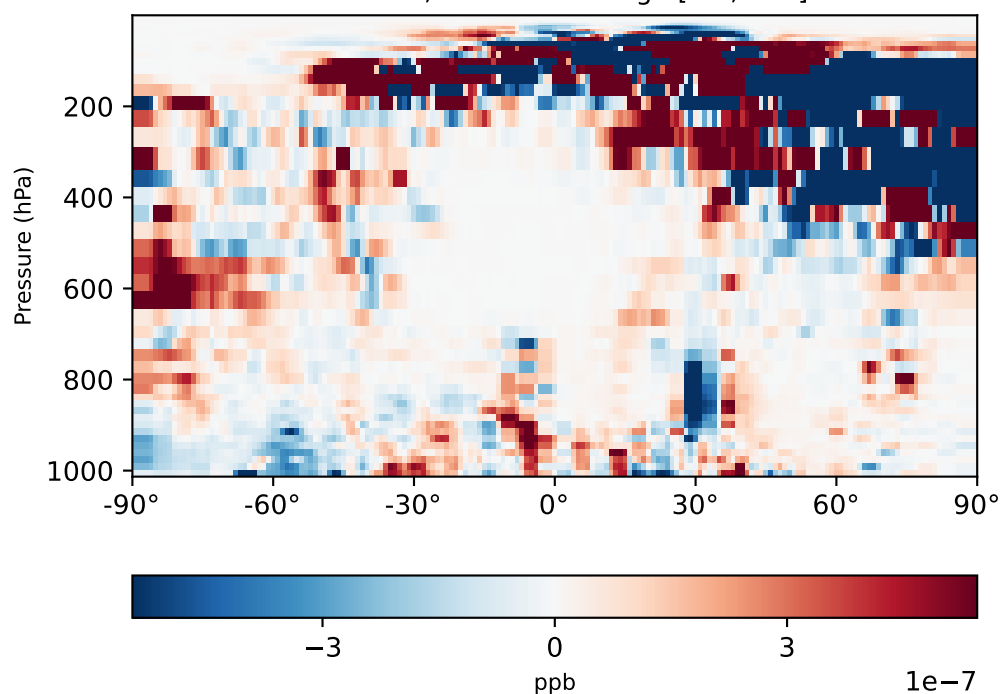
gchp-c24-1Mon-14.7.0-alpha.11\_ - gchp-c24-1Mon-14.7.0-alpha.10 (Dev)  
1x1.25 regridded from c24



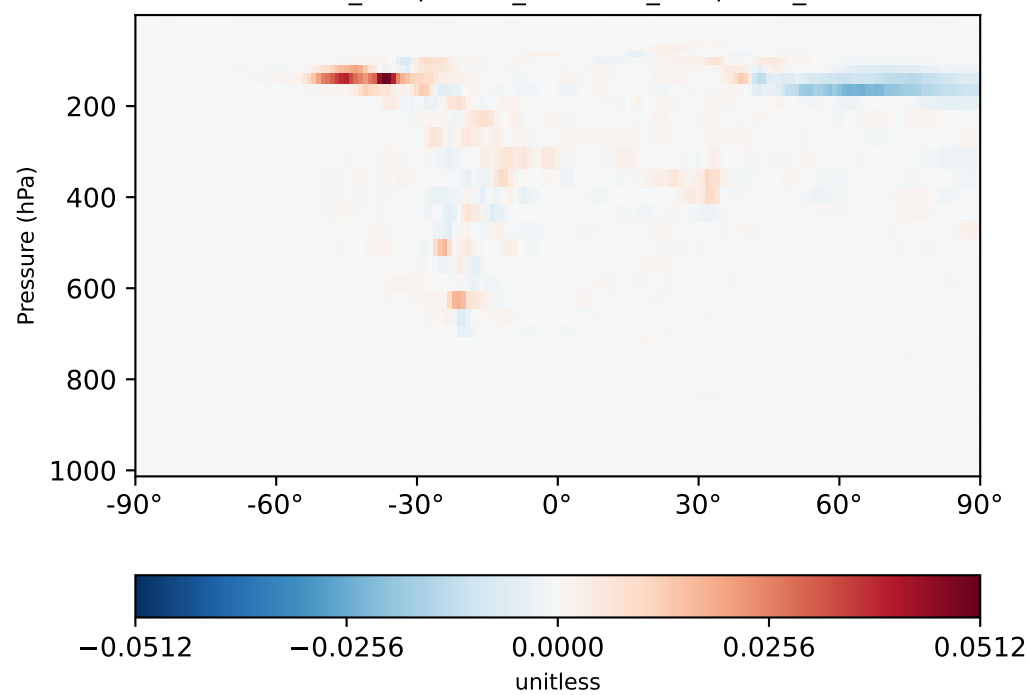
Difference (1x1.25)  
Dev - Ref, Dynamic Range



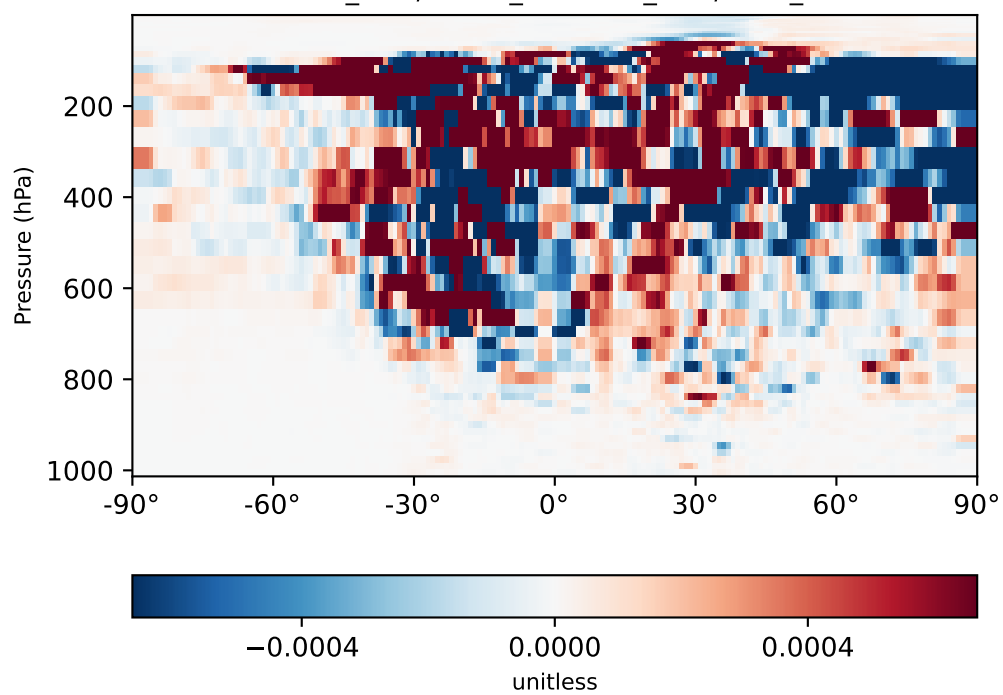
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



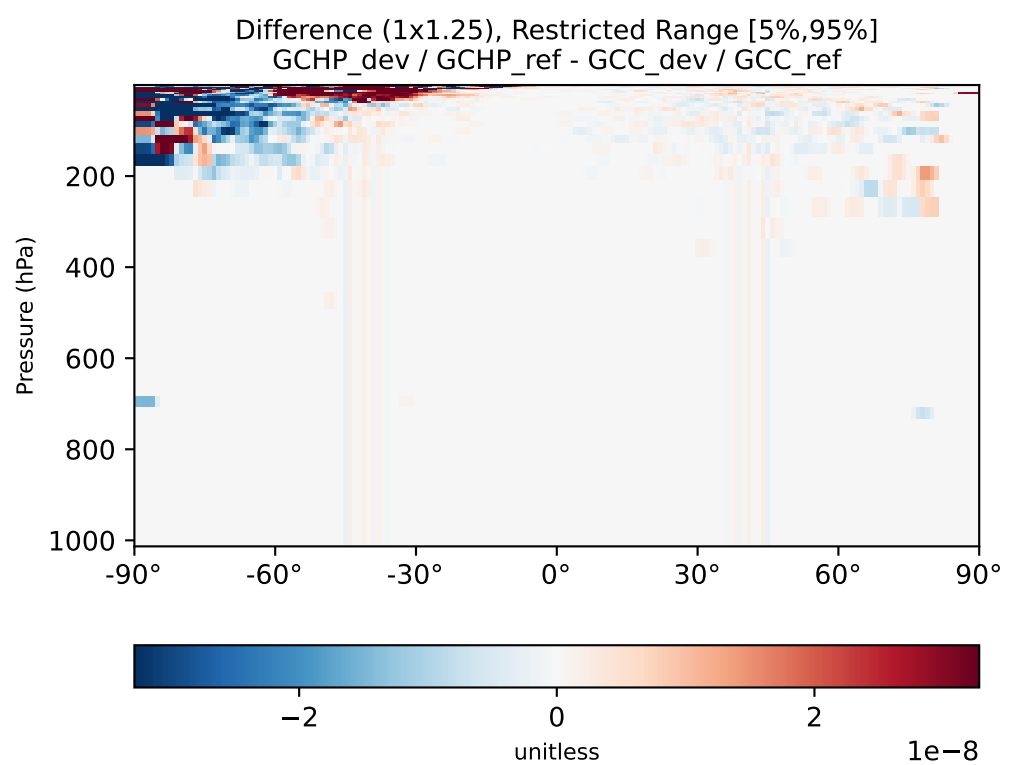
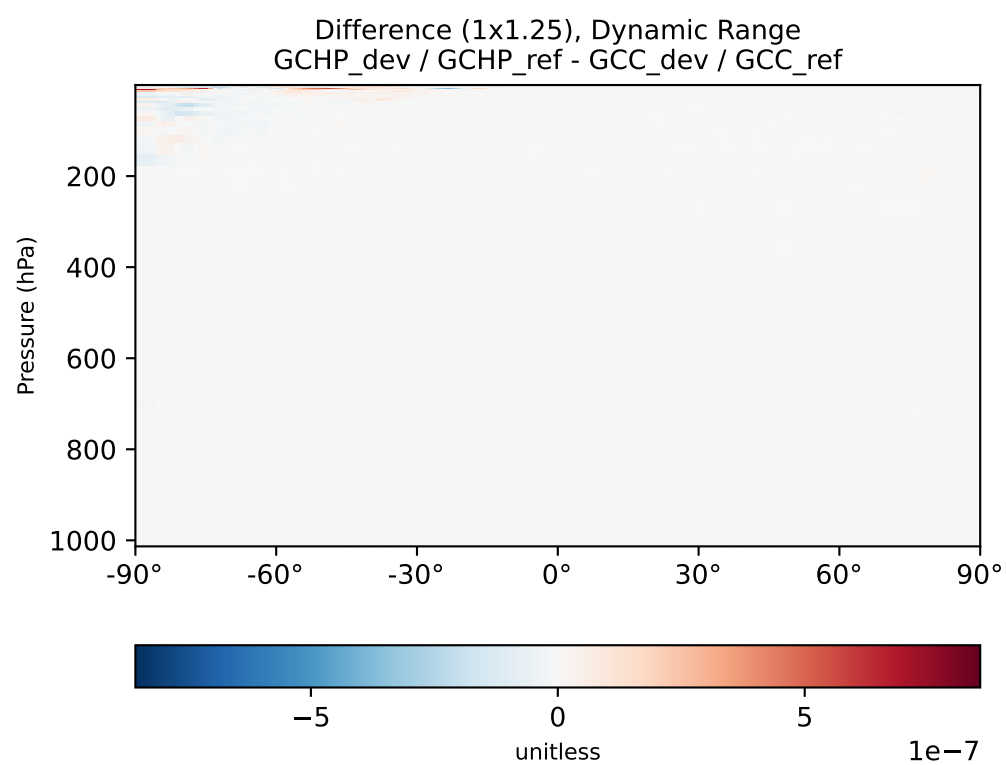
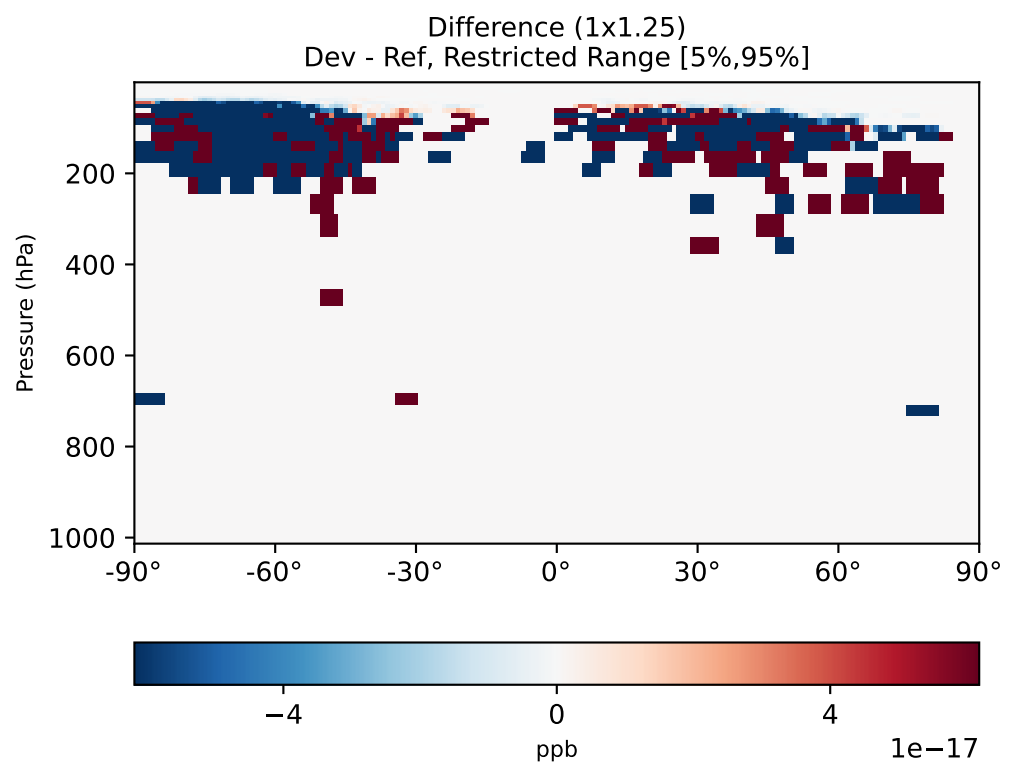
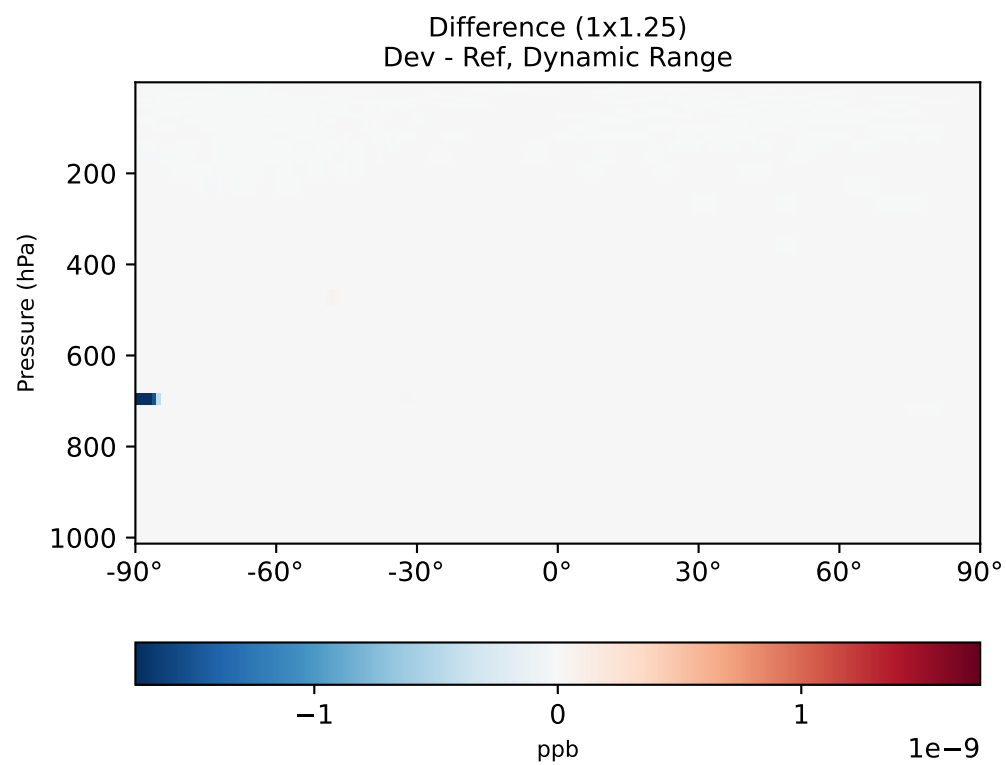
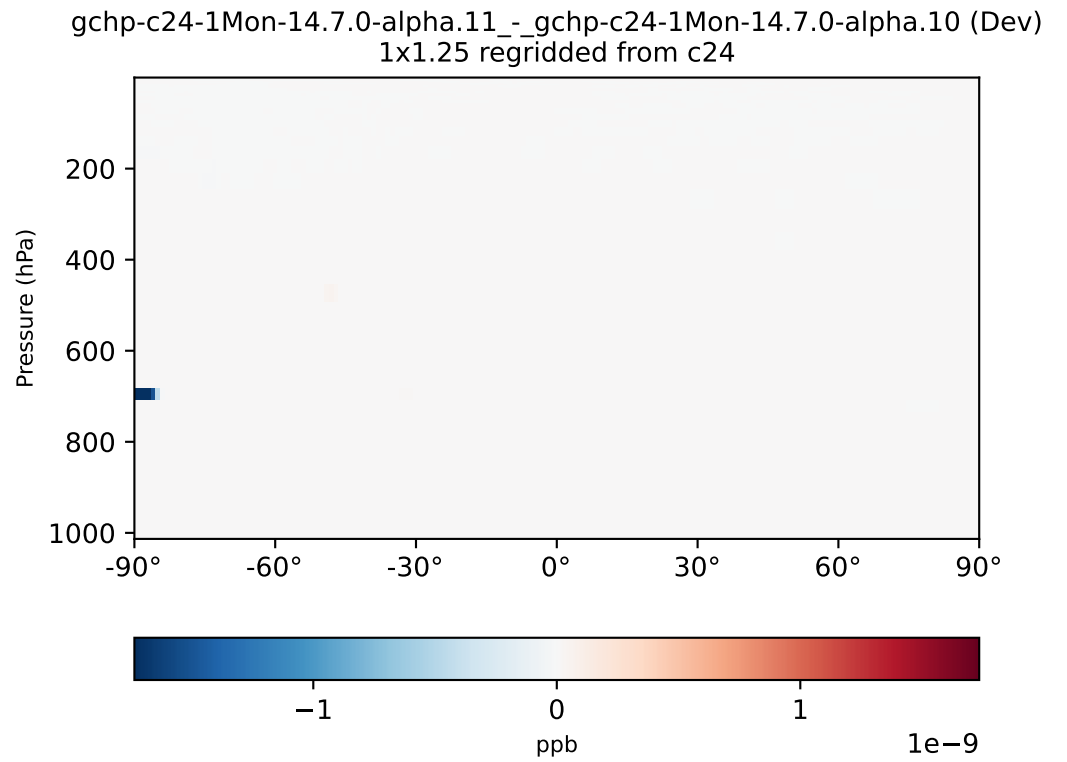
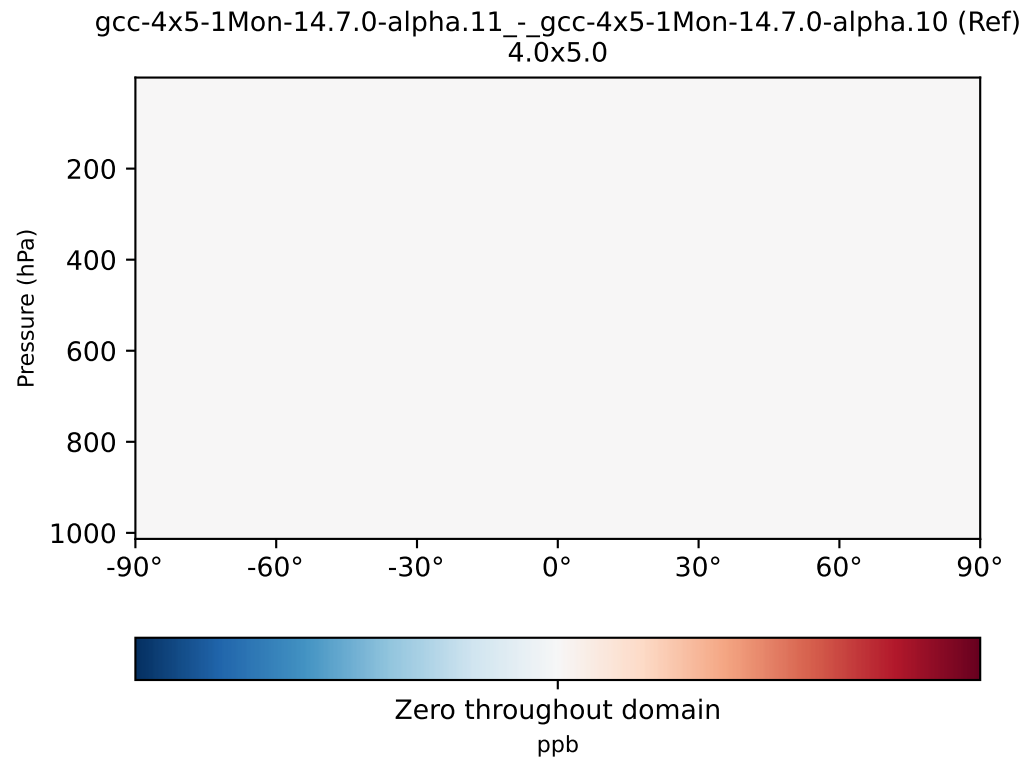
Difference (1x1.25), Dynamic Range  
GCHP\_dev / GCHP\_ref - GCC\_dev / GCC\_ref



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

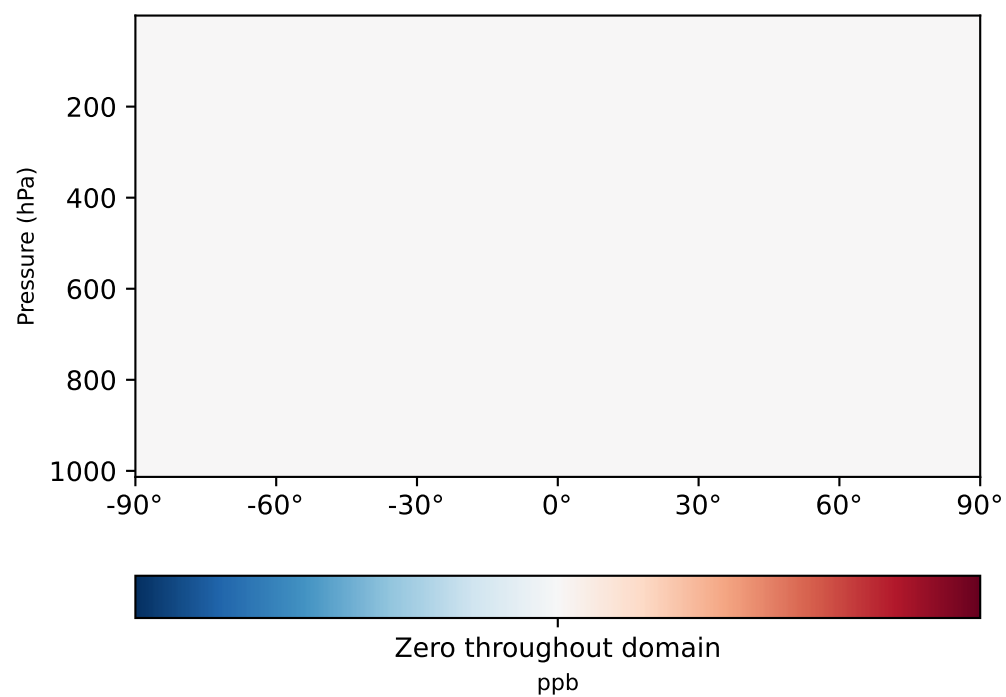


# SpeciesConcVV\_SALC, Zonal Mean

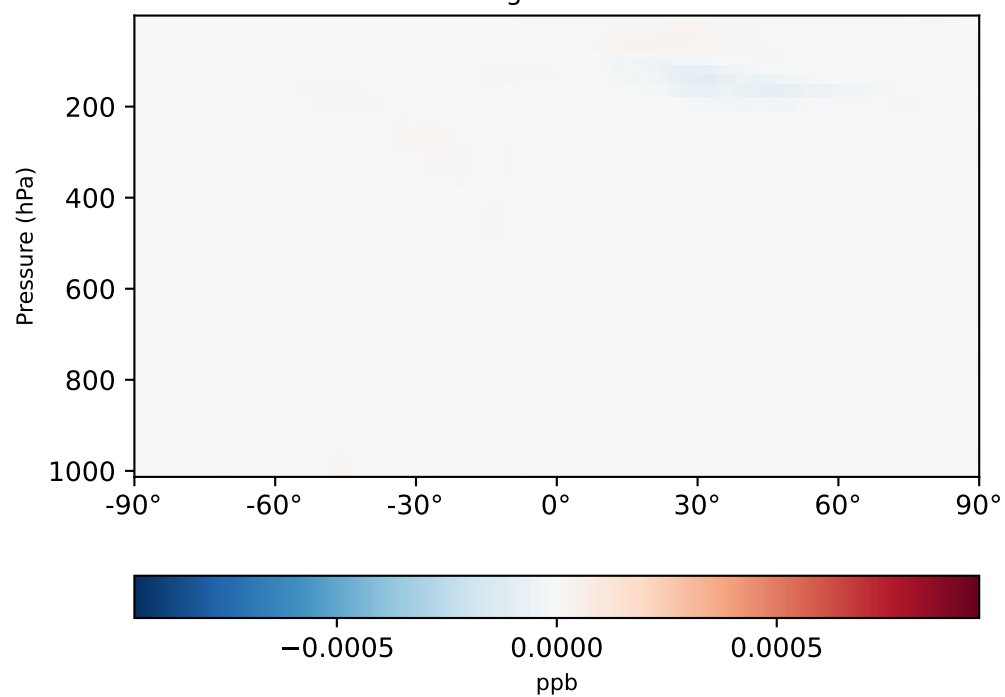


# SpeciesConcVV\_SALCAL, Zonal Mean

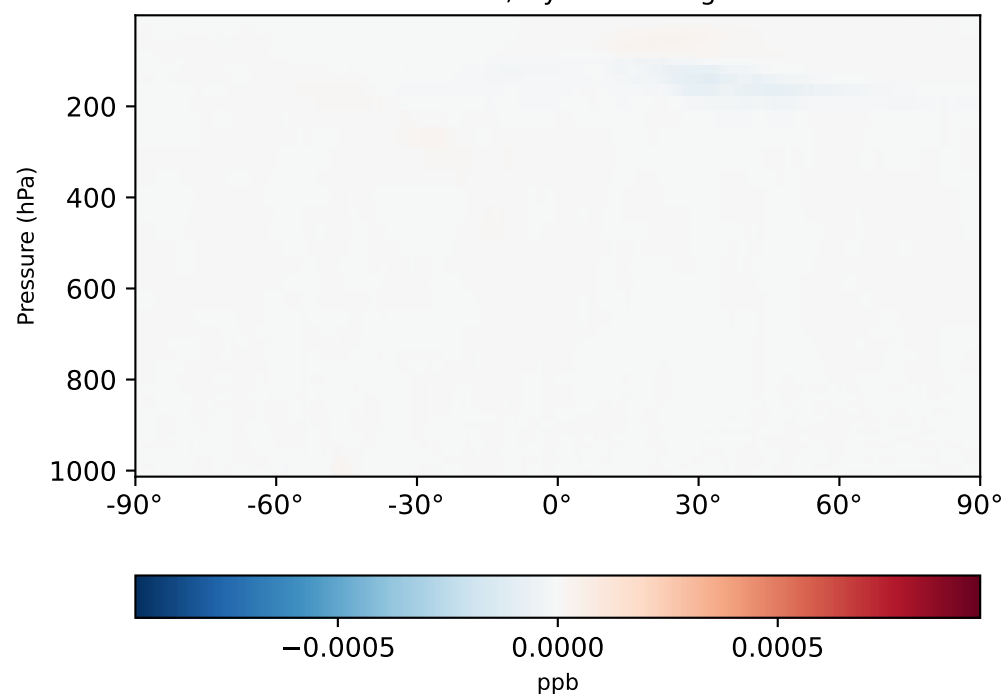
gcc-4x5-1Mon-14.7.0-alpha.11\_ - gcc-4x5-1Mon-14.7.0-alpha.10 (Ref)  
4.0x5.0



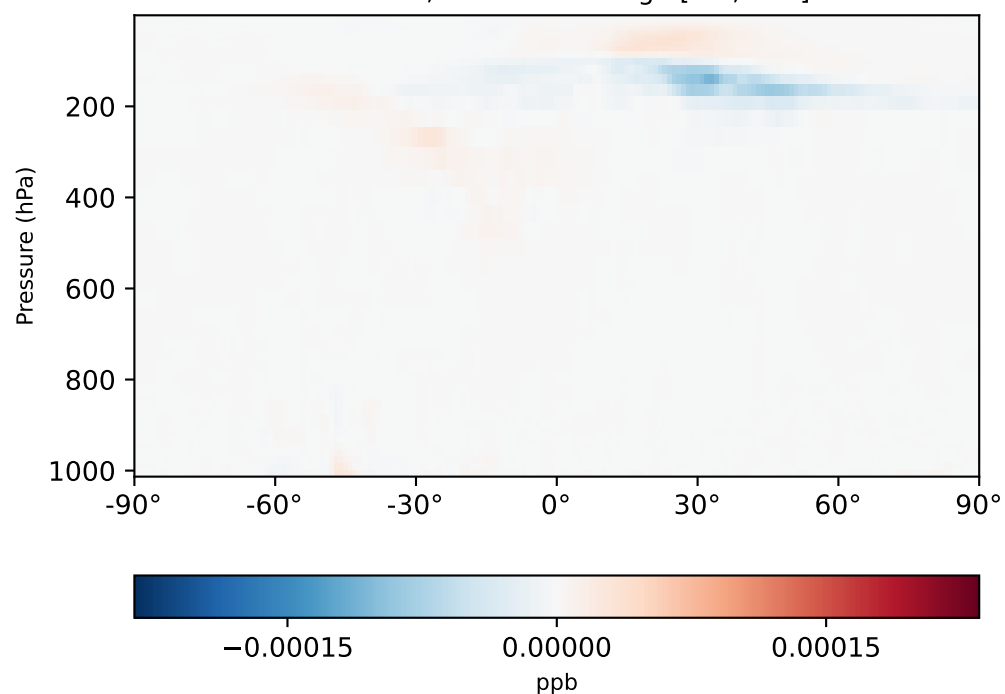
gchp-c24-1Mon-14.7.0-alpha.11\_ - gchp-c24-1Mon-14.7.0-alpha.10 (Dev)  
1x1.25 regridded from c24



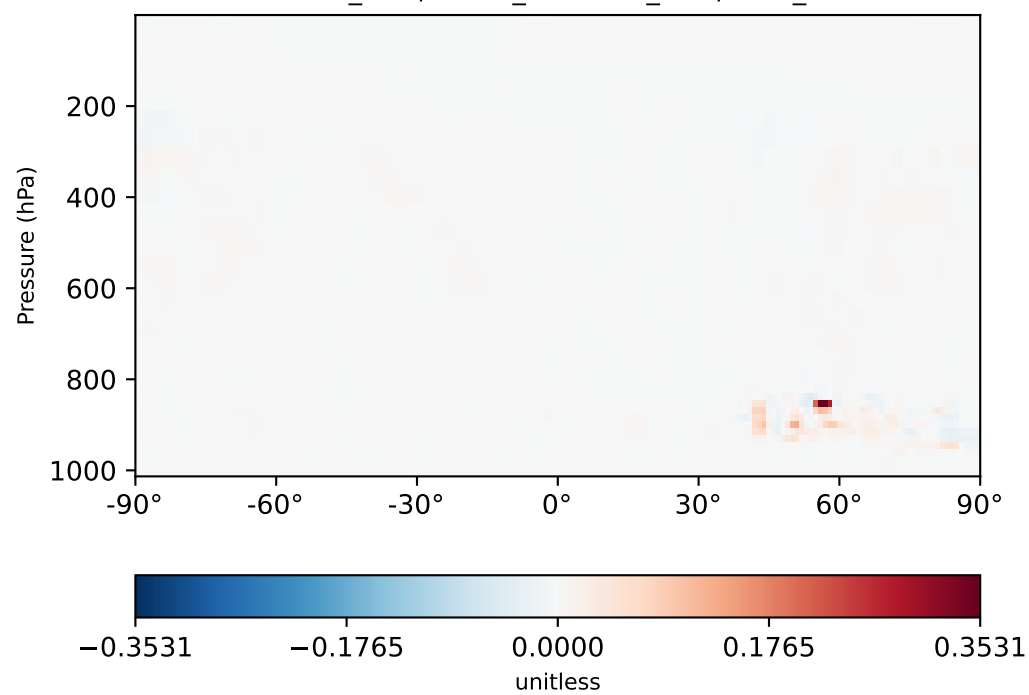
Difference (1x1.25)  
Dev - Ref, Dynamic Range



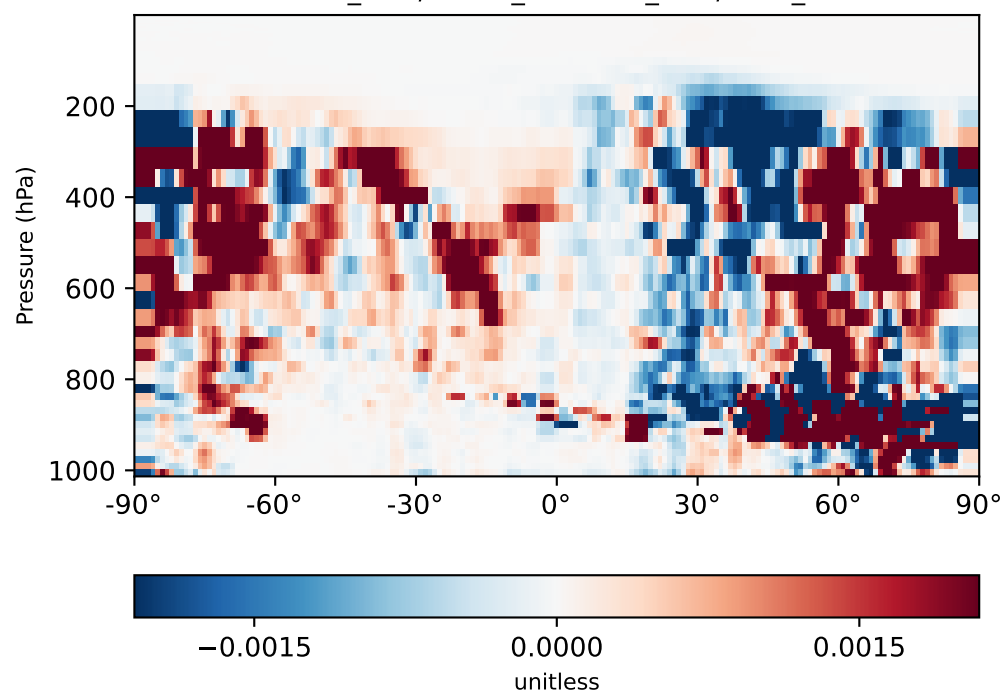
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

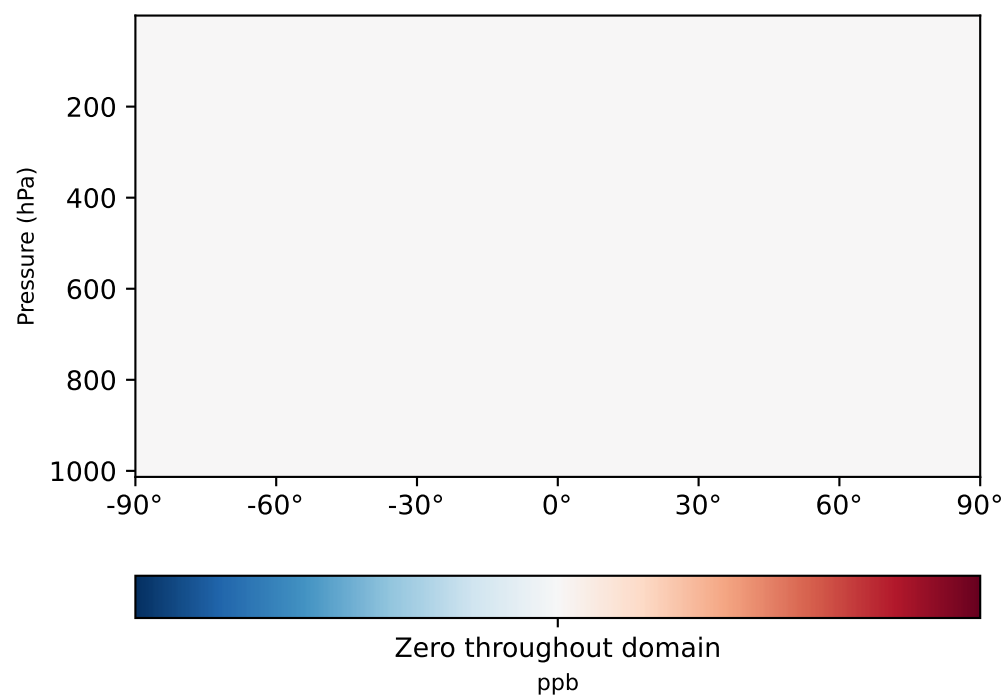


Difference (1x1.25), Restricted Range [5%,95%]  
GCHP\_dev / GCHP\_ref - GCC\_dev / GCC\_ref

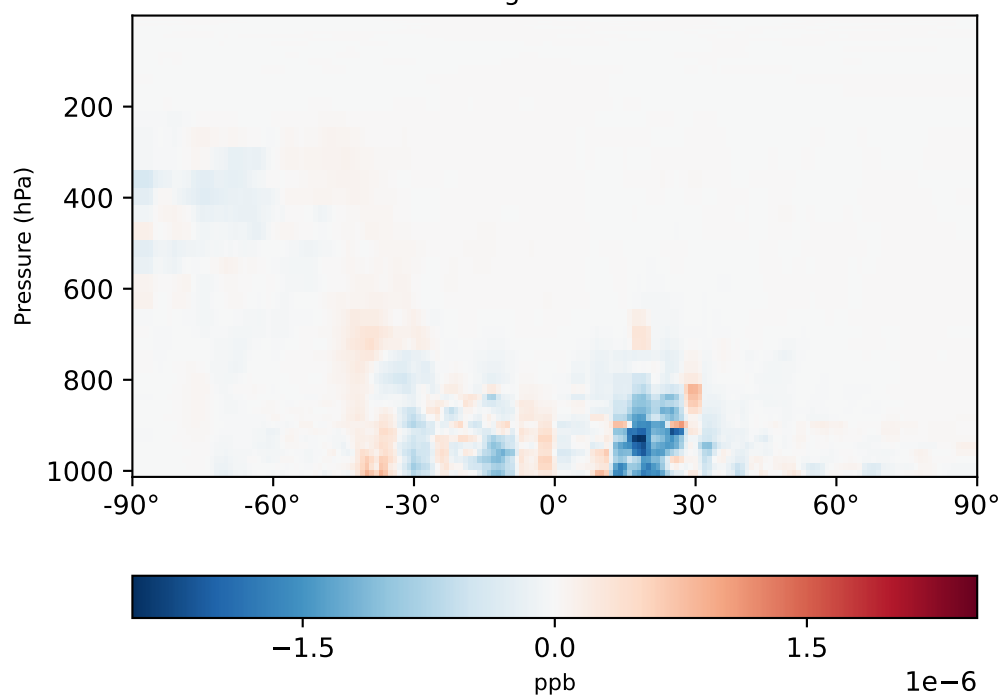


# SpeciesConcVV\_SALCCL, Zonal Mean

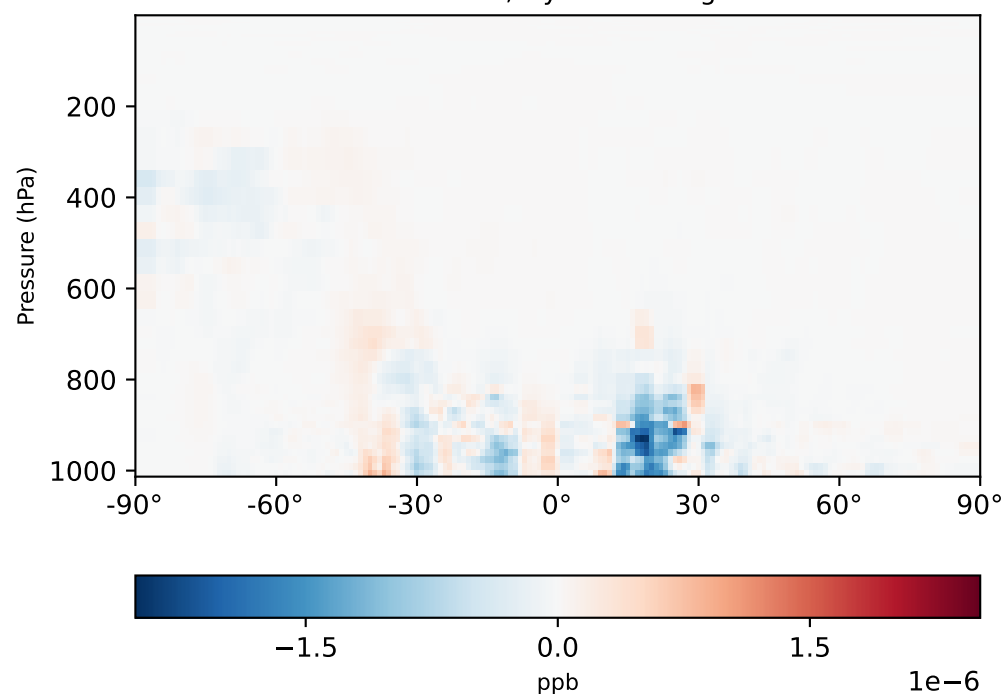
gcc-4x5-1Mon-14.7.0-alpha.11\_ - gcc-4x5-1Mon-14.7.0-alpha.10 (Ref)  
4.0x5.0



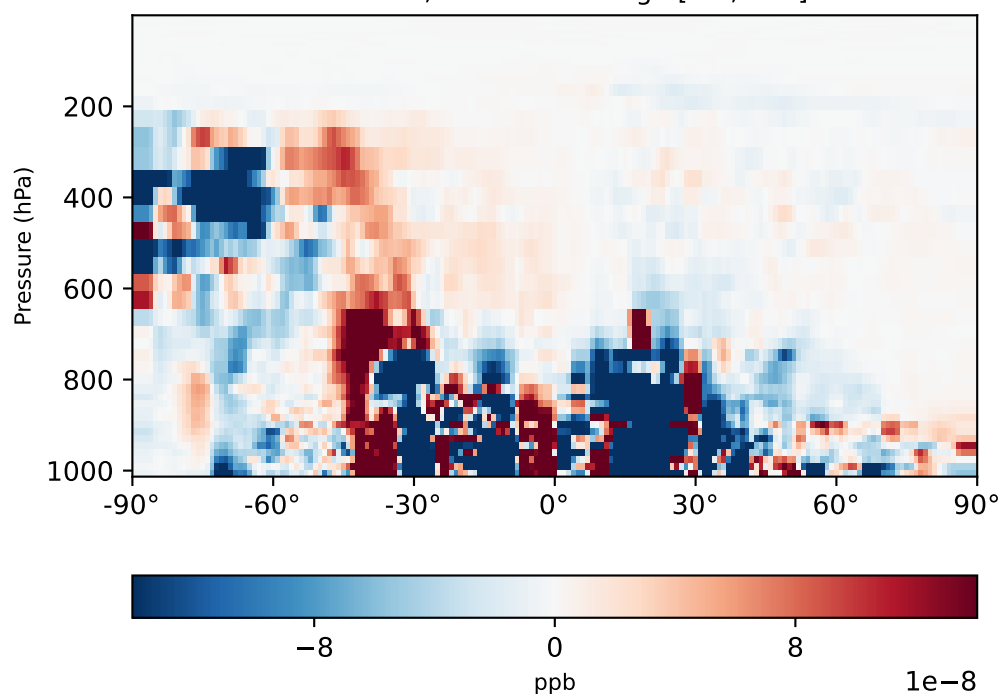
gchp-c24-1Mon-14.7.0-alpha.11\_ - gchp-c24-1Mon-14.7.0-alpha.10 (Dev)  
1x1.25 regridded from c24



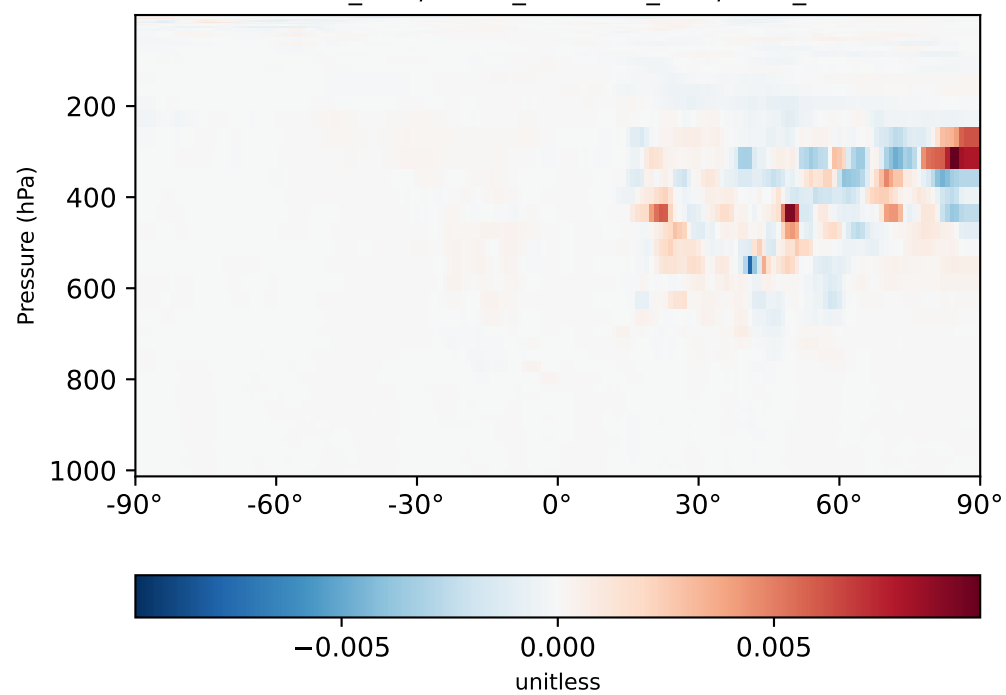
Difference (1x1.25)  
Dev - Ref, Dynamic Range



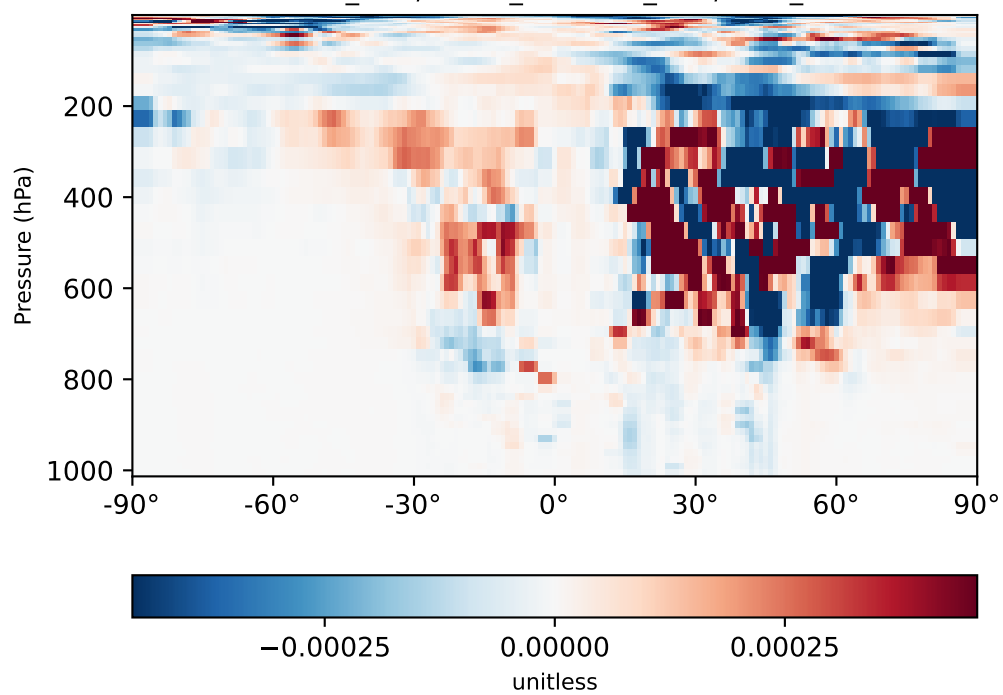
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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



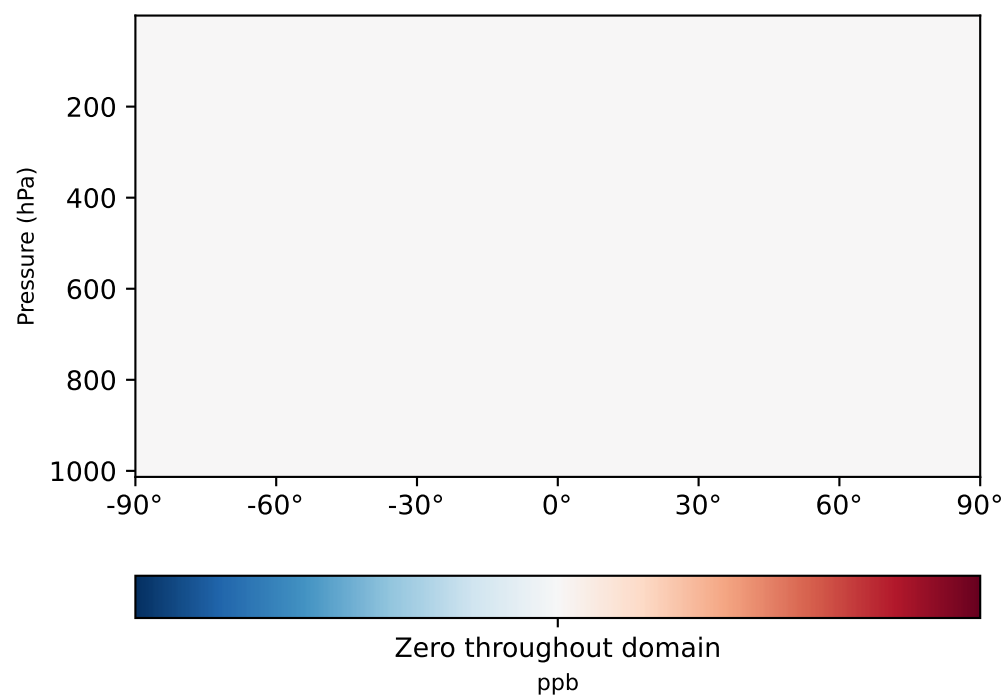
Difference (1x1.25), Restricted Range [5%,95%]  
GCHP\_dev / GCHP\_ref - GCC\_dev / GCC\_ref



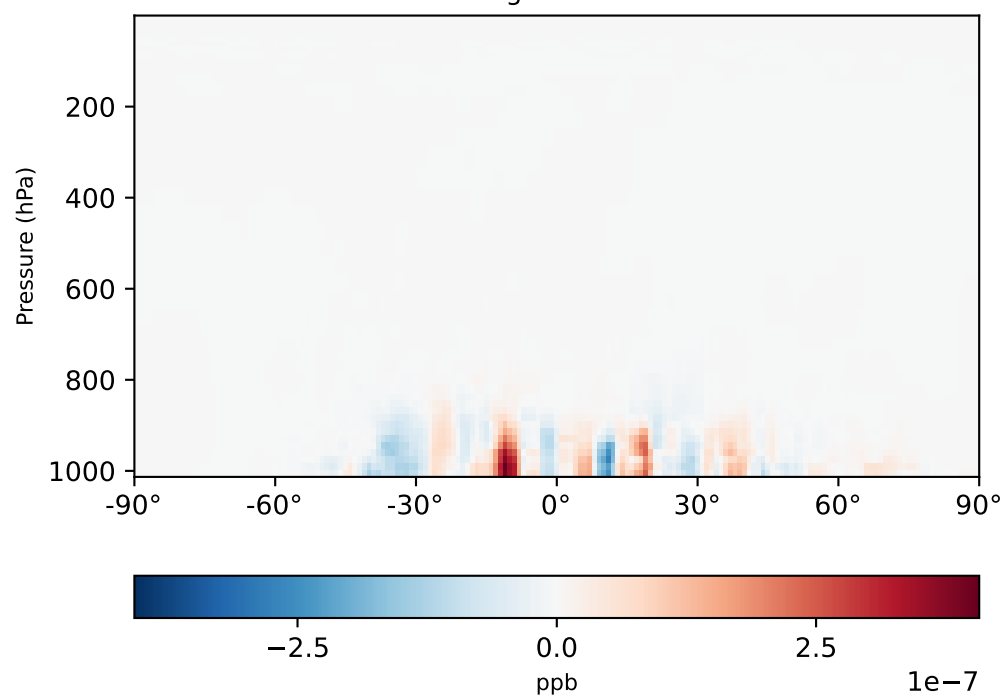


# SpeciesConcVV\_SO4s, Zonal Mean

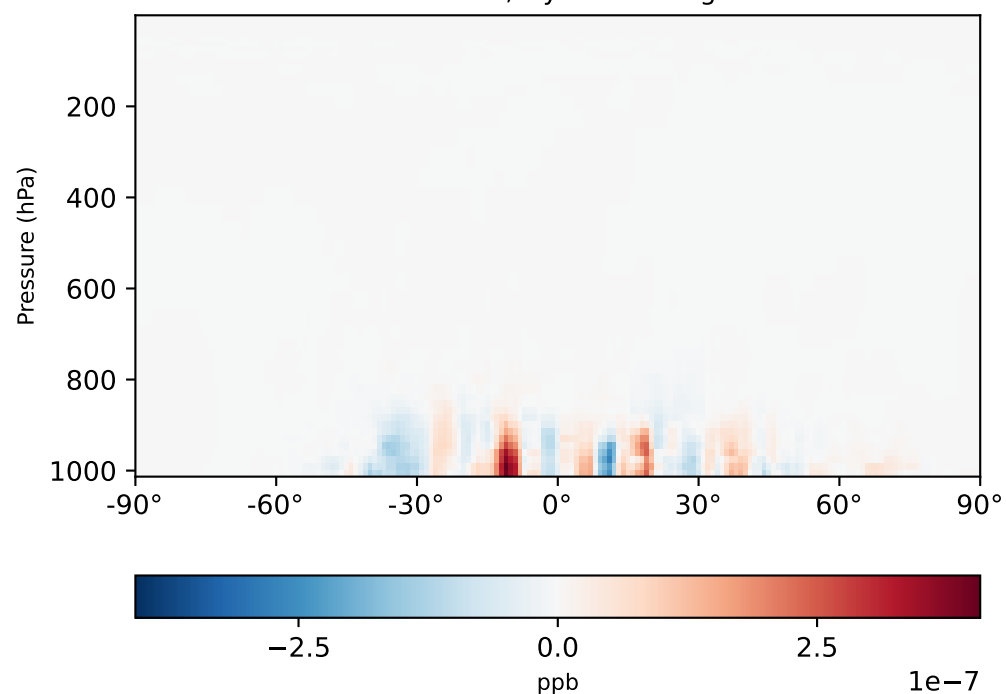
gcc-4x5-1Mon-14.7.0-alpha.11\_ - gcc-4x5-1Mon-14.7.0-alpha.10 (Ref)  
4.0x5.0



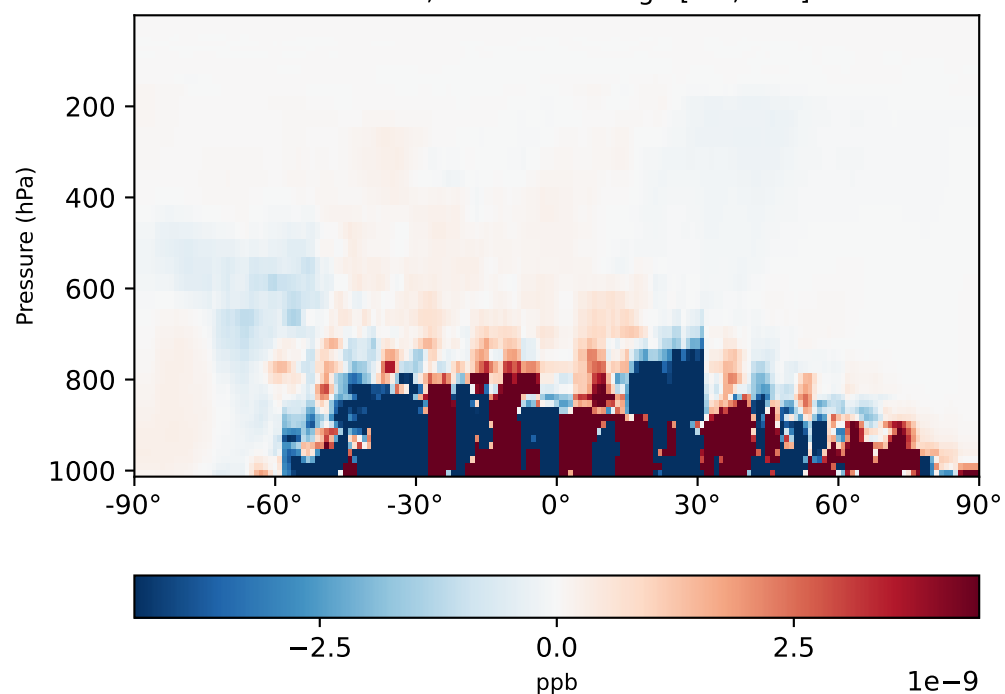
gchp-c24-1Mon-14.7.0-alpha.11\_ - gchp-c24-1Mon-14.7.0-alpha.10 (Dev)  
1x1.25 regridded from c24



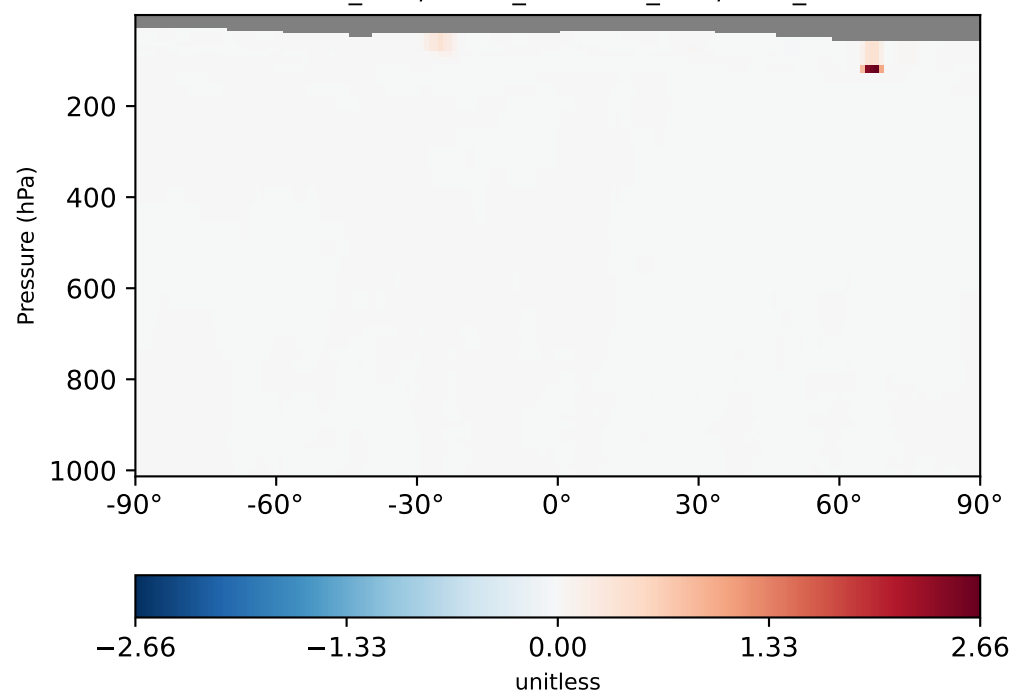
Difference (1x1.25)  
Dev - Ref, Dynamic Range



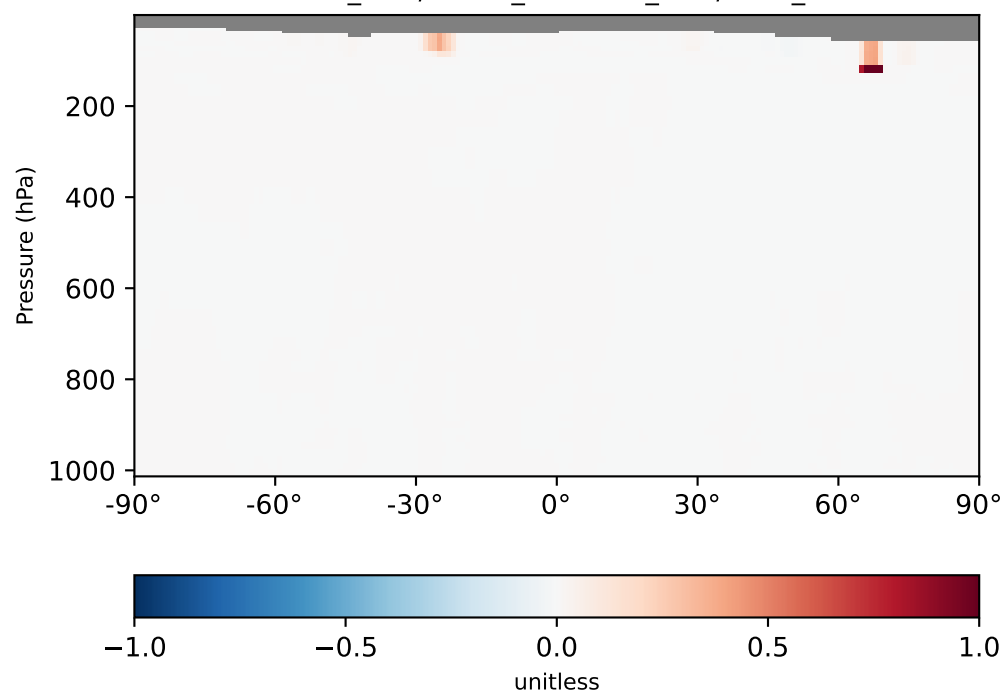
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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



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



# SpeciesConcVV\_pFe, Zonal Mean

