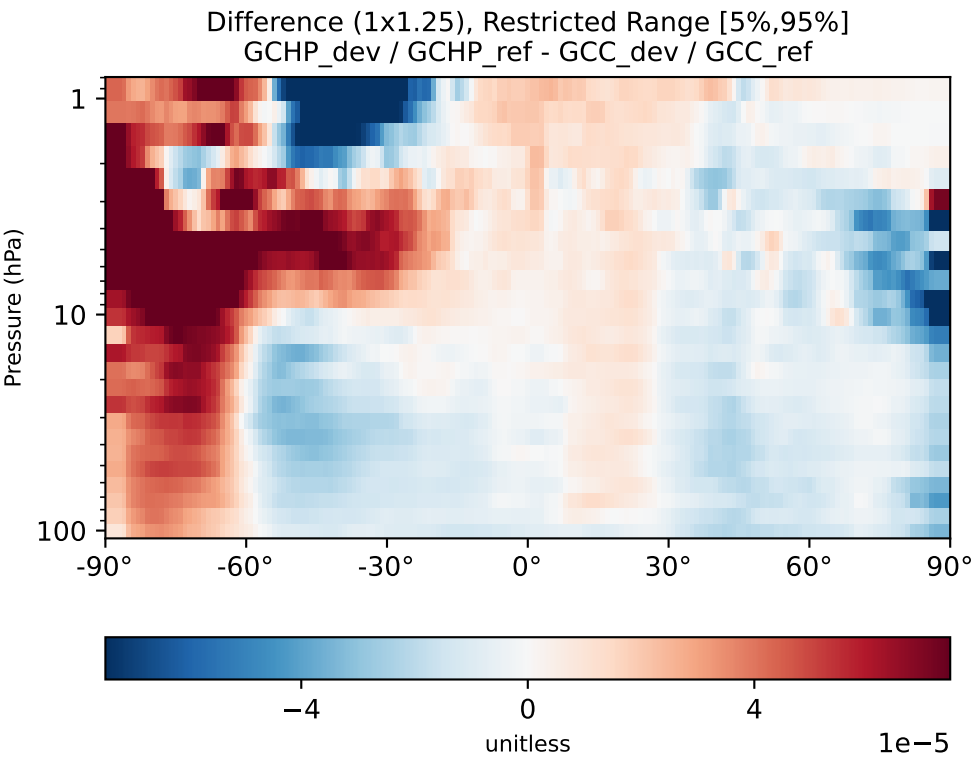
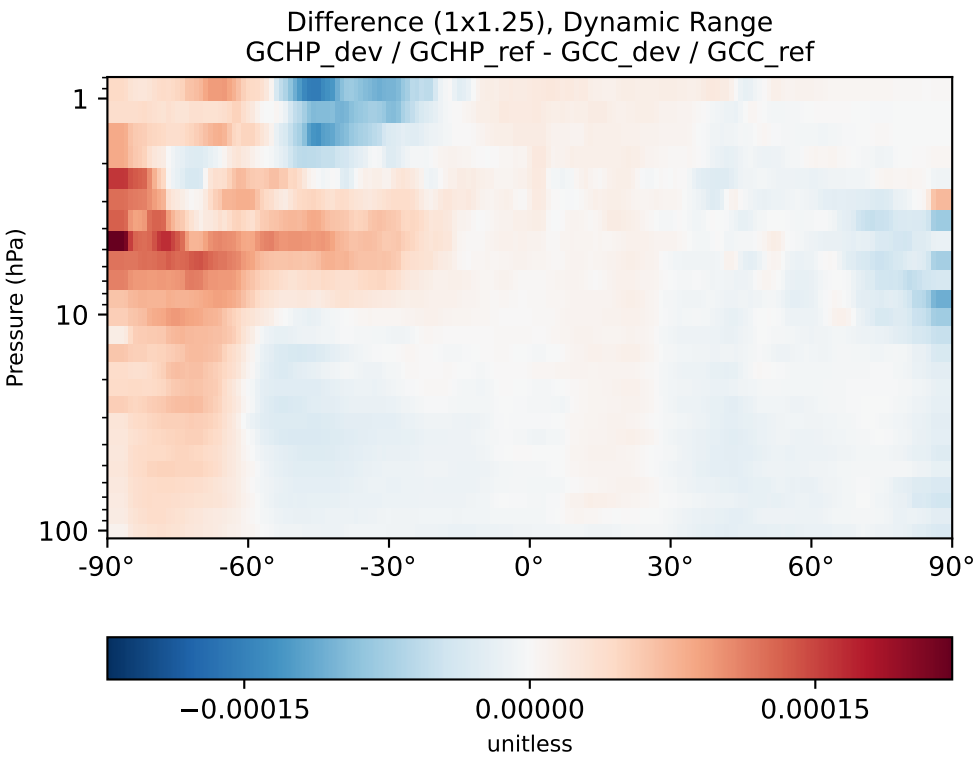
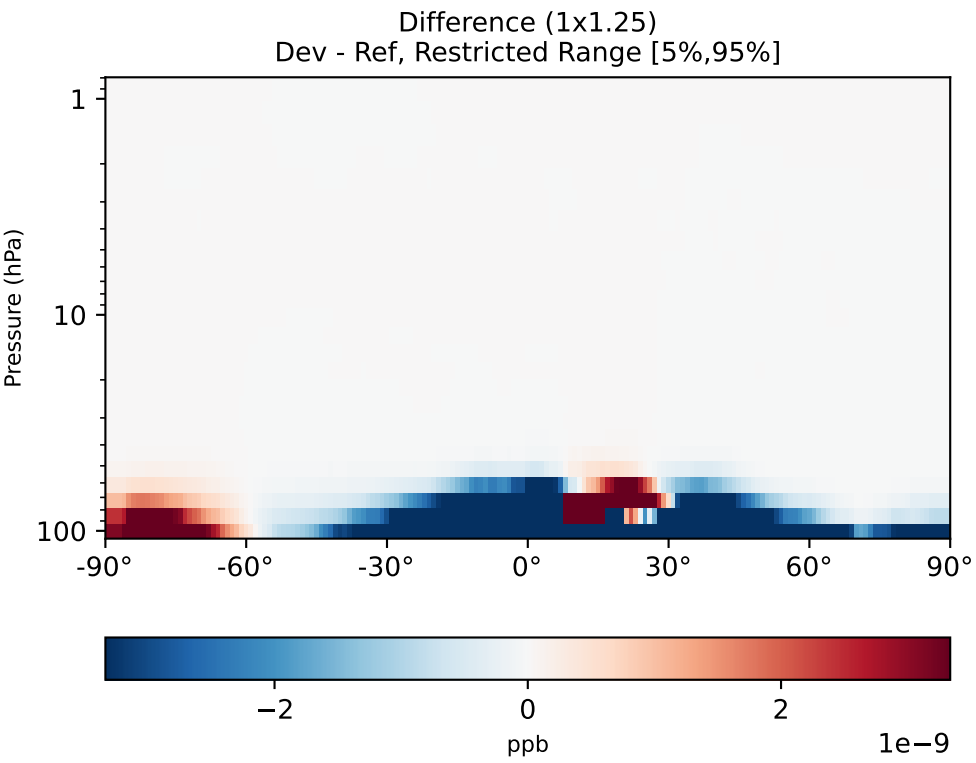
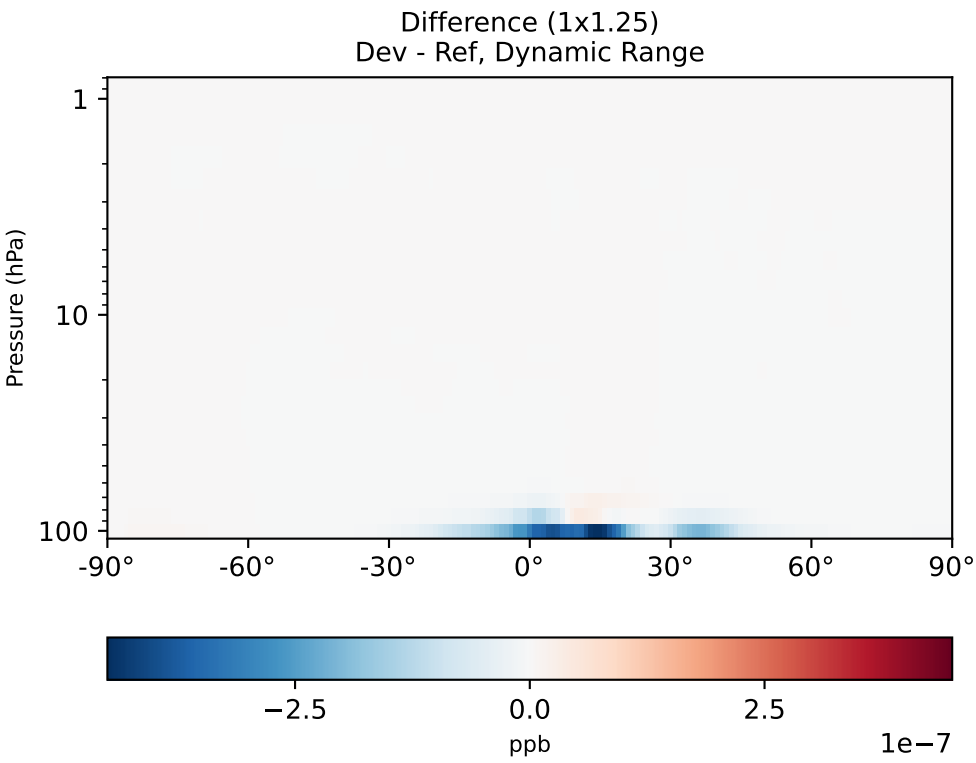
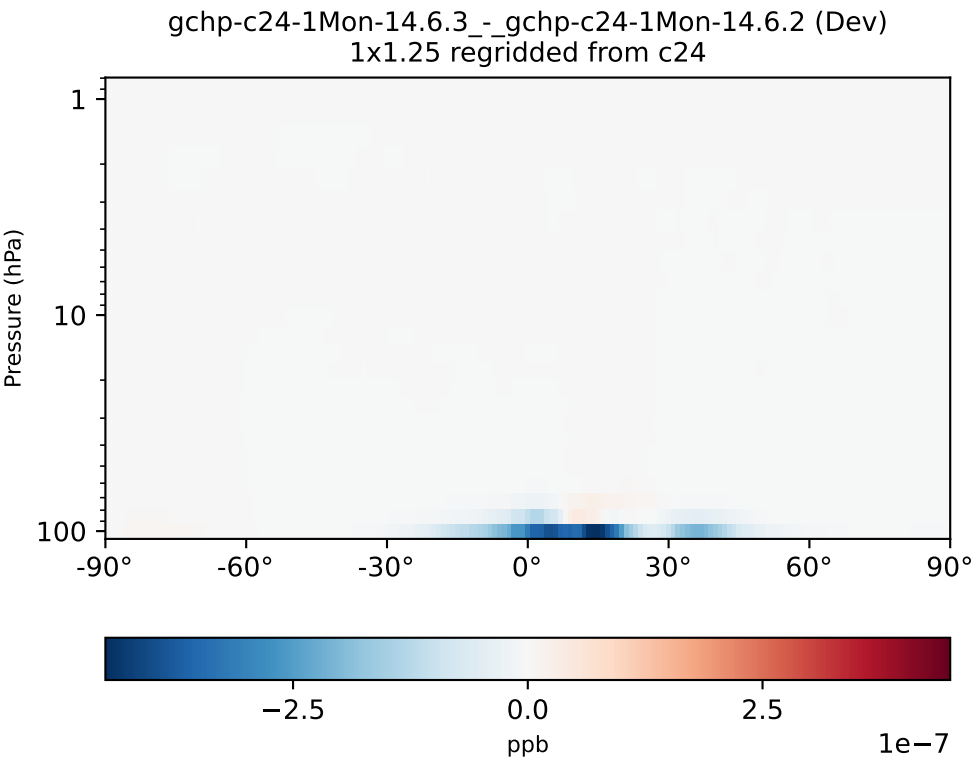
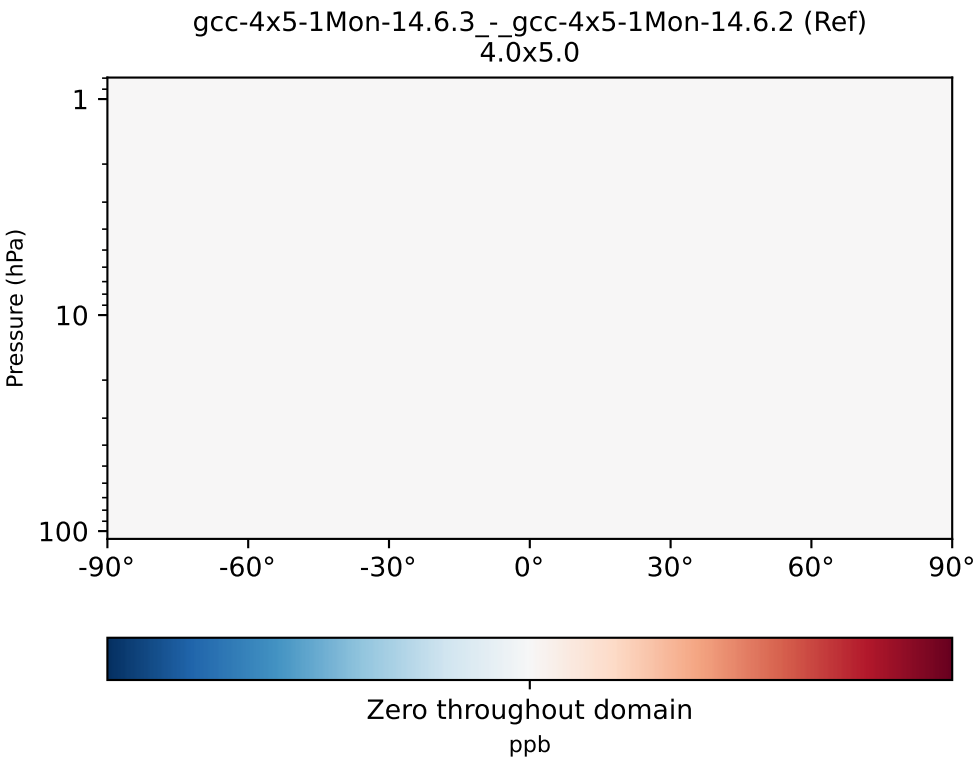
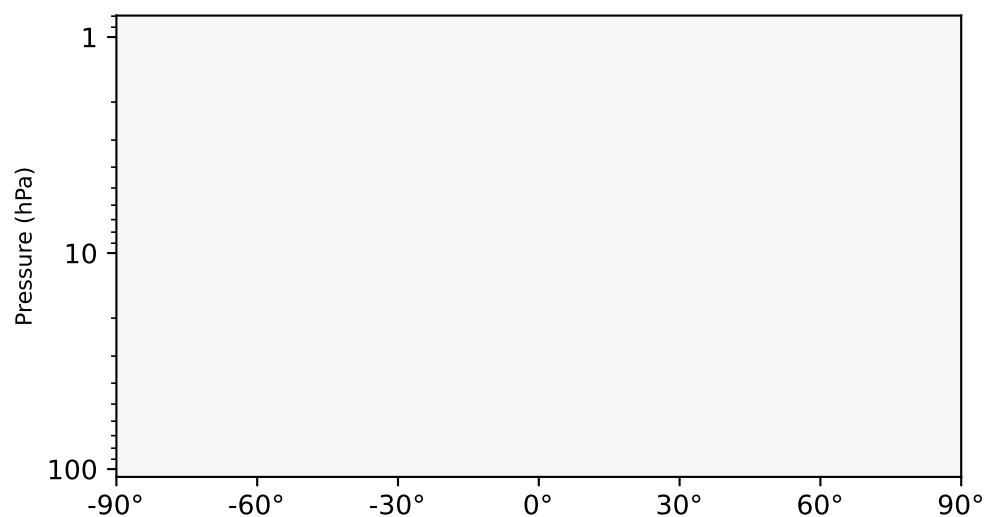


SpeciesConcVV_DST1, Zonal Mean



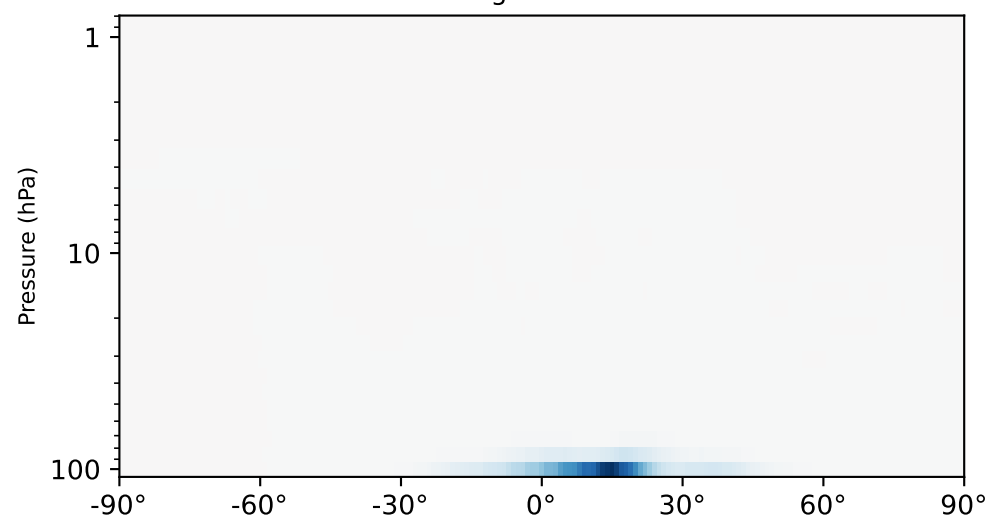
SpeciesConcVV_DST2, Zonal Mean

gcc-4x5-1Mon-14.6.3 - gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0



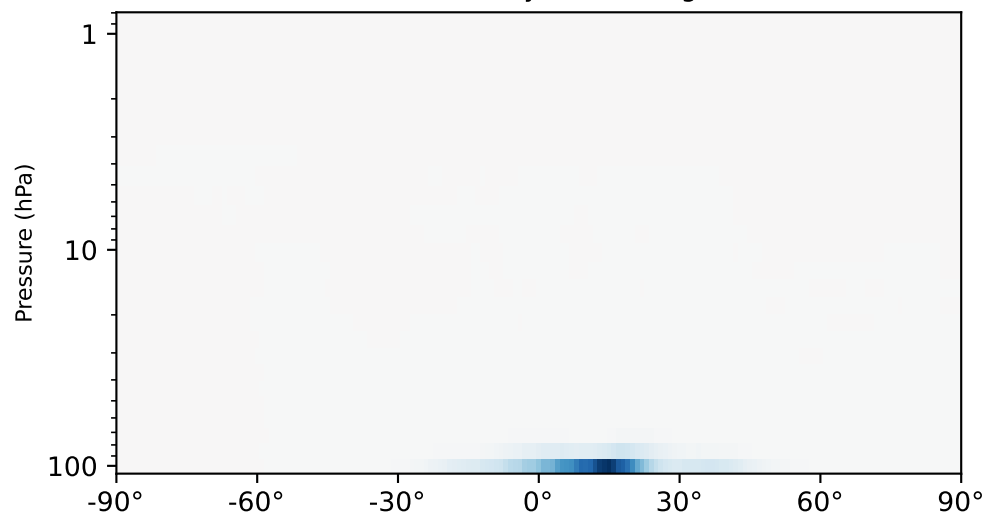
Zero throughout domain
ppb

gchp-c24-1Mon-14.6.3 - gchp-c24-1Mon-14.6.2 (Dev)
1x1.25 regridded from c24



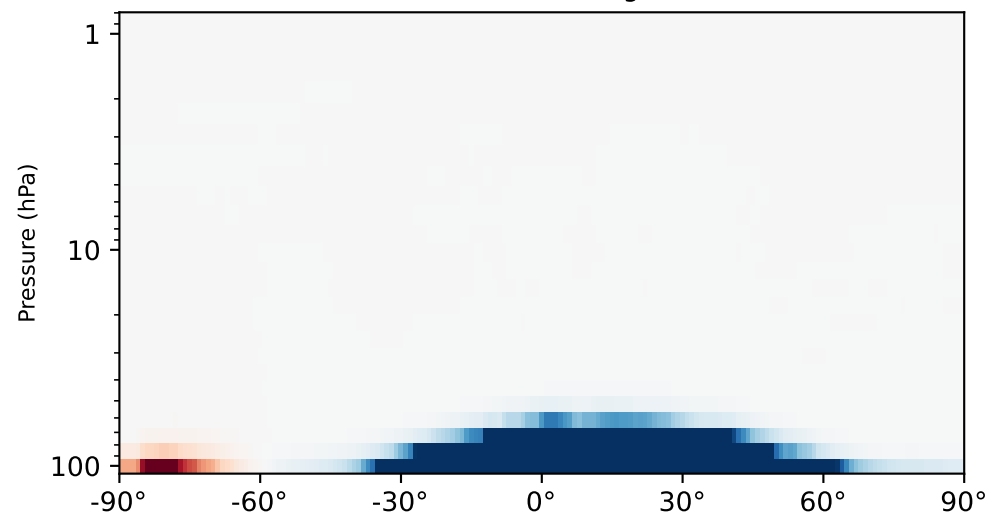
-6 0 6
ppb
1e-8

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



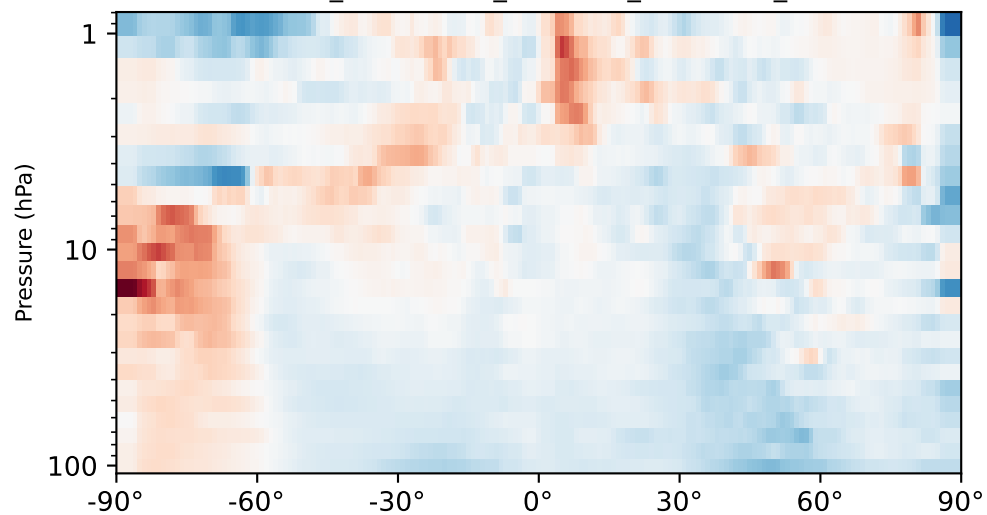
-6 0 6
ppb
1e-8

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



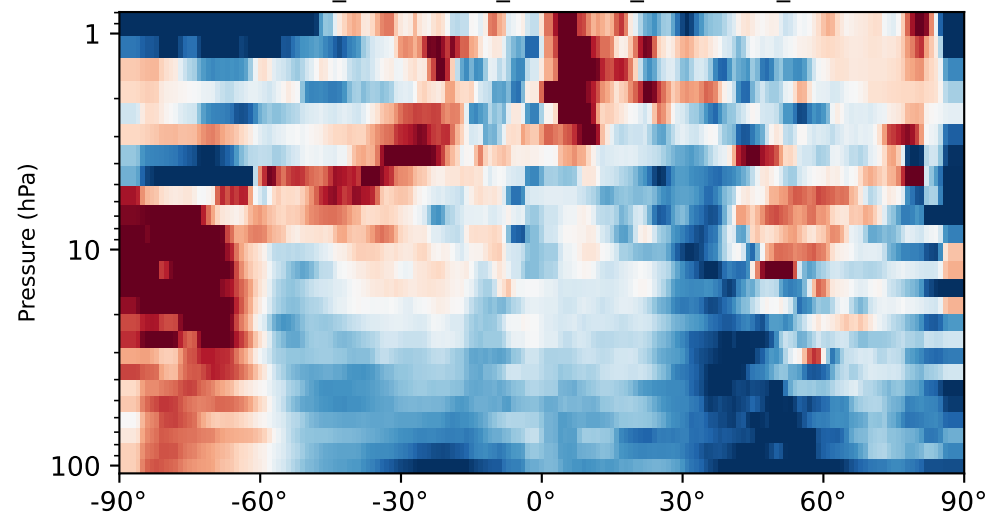
-1.5 0.0 1.5
ppb
1e-10

Difference (1x1.25), Dynamic Range
GCHP_dev / GCHP_ref - GCC_dev / GCC_ref



-0.00015 0.00000 0.00015
unitless

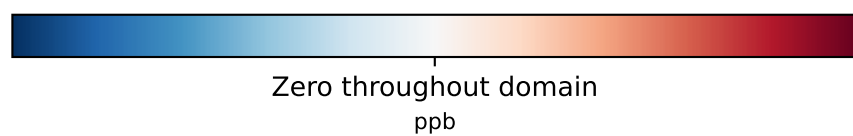
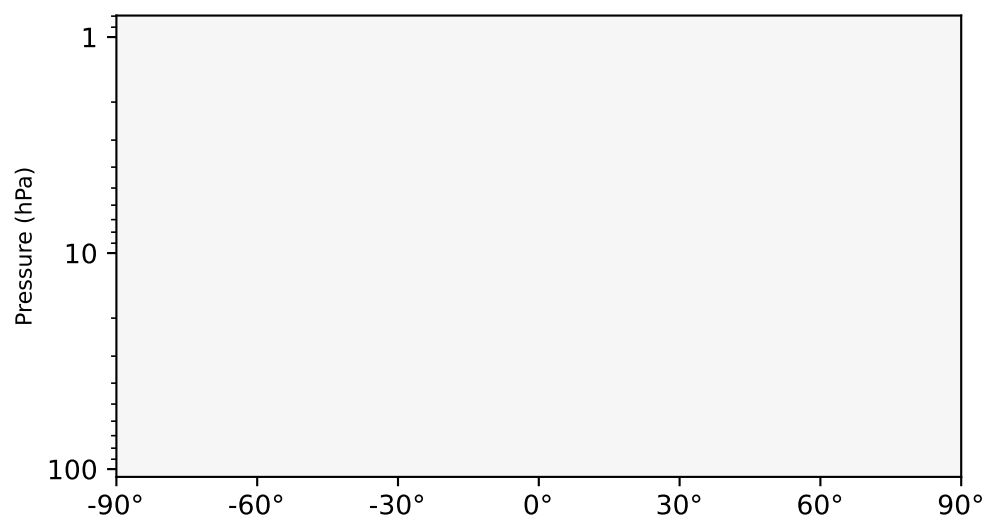
Difference (1x1.25), Restricted Range [5%,95%]
GCHP_dev / GCHP_ref - GCC_dev / GCC_ref



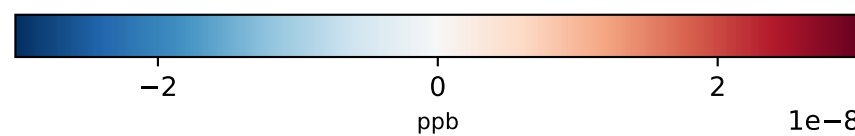
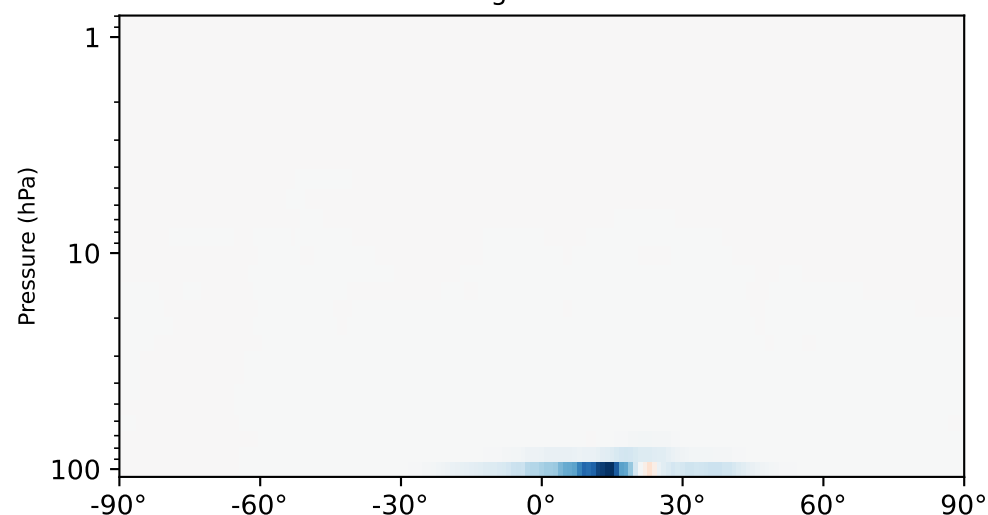
-5 0 5
unitless
1e-5

SpeciesConcVV_DST3, Zonal Mean

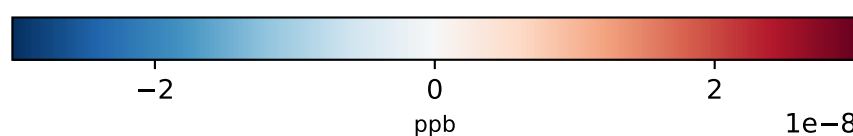
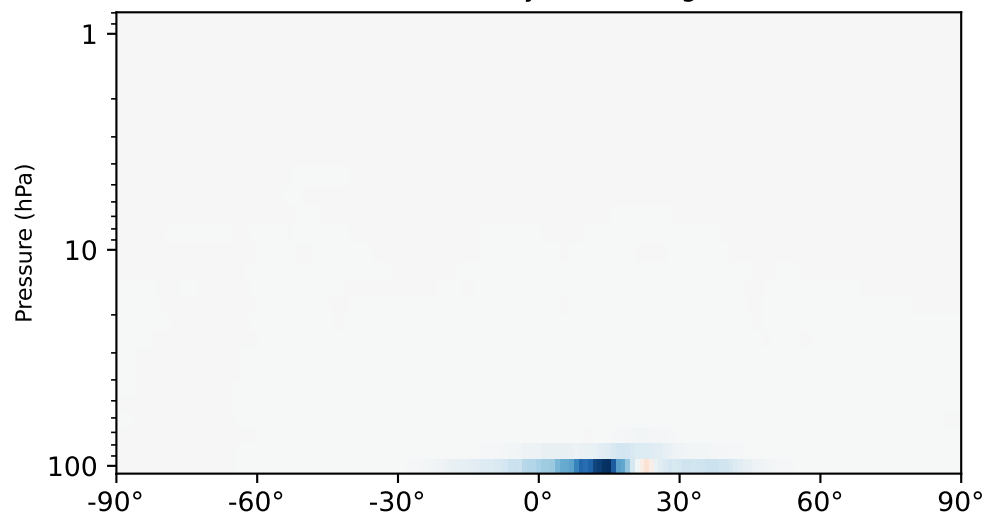
gcc-4x5-1Mon-14.6.3_ - gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0



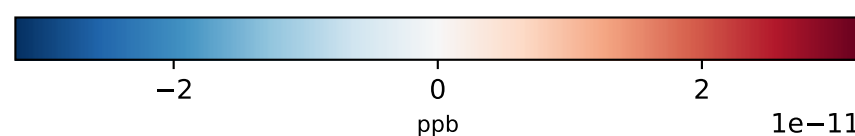
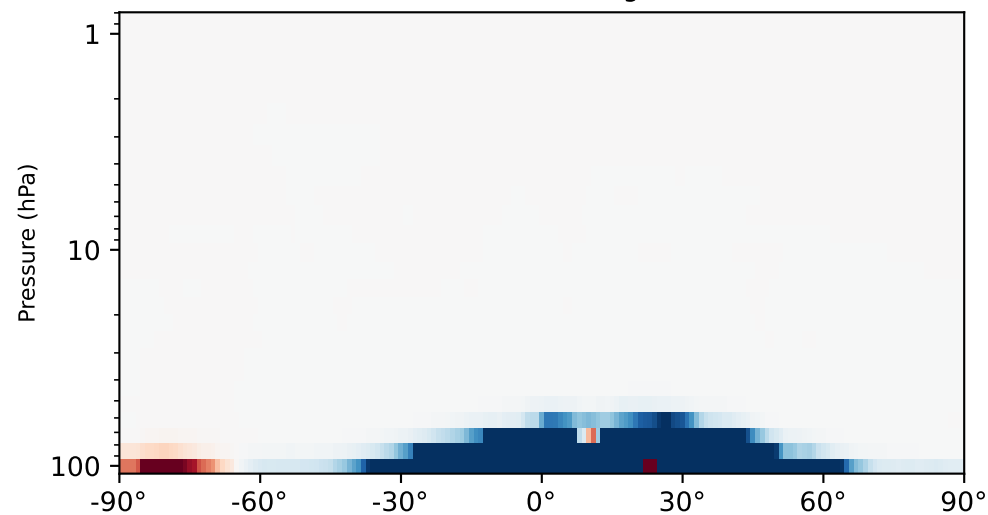
gchp-c24-1Mon-14.6.3_ - gchp-c24-1Mon-14.6.2 (Dev)
1x1.25 regridded from c24



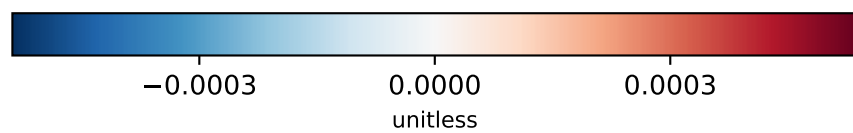
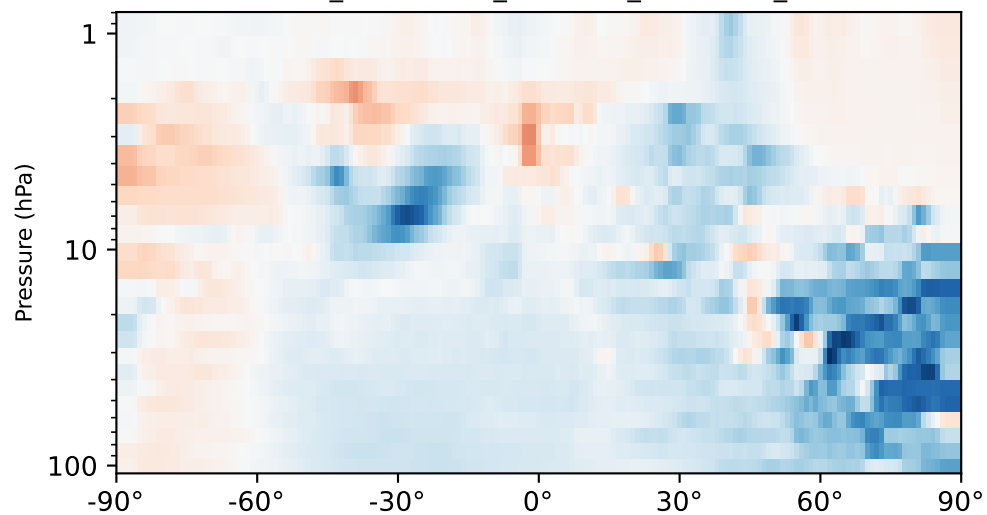
Difference (1x1.25)
Dev - Ref, Dynamic Range



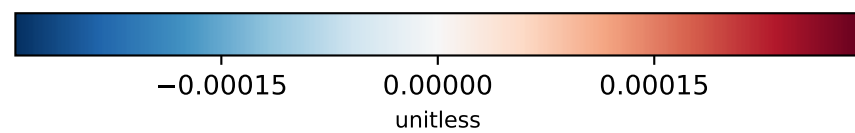
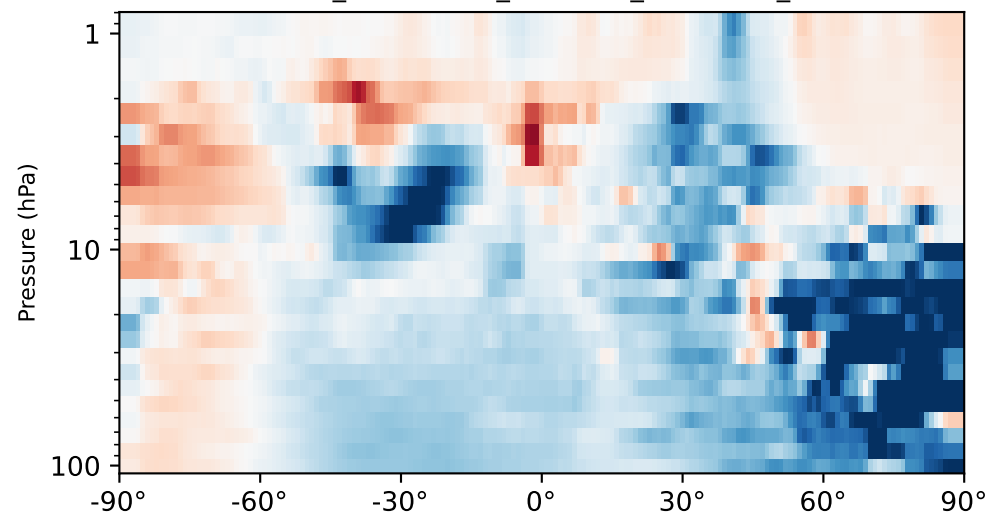
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



Difference (1x1.25), Dynamic Range
GCHP_dev / GCHP_ref - GCC_dev / GCC_ref

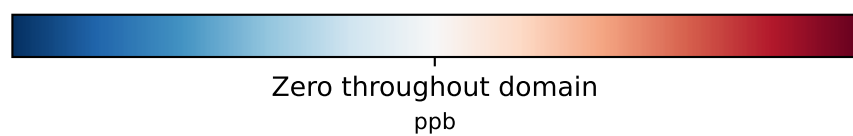
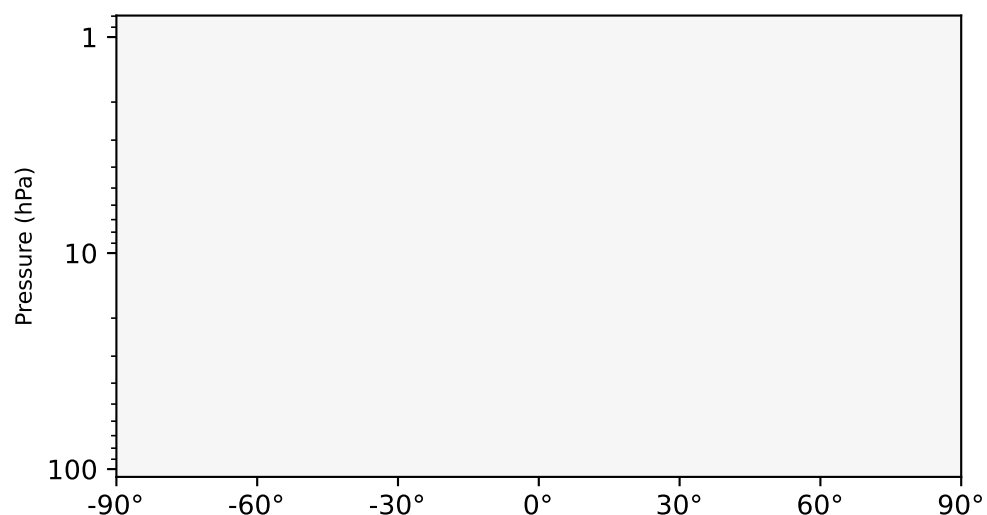


Difference (1x1.25), Restricted Range [5%,95%]
GCHP_dev / GCHP_ref - GCC_dev / GCC_ref

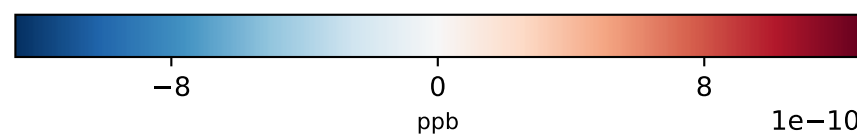
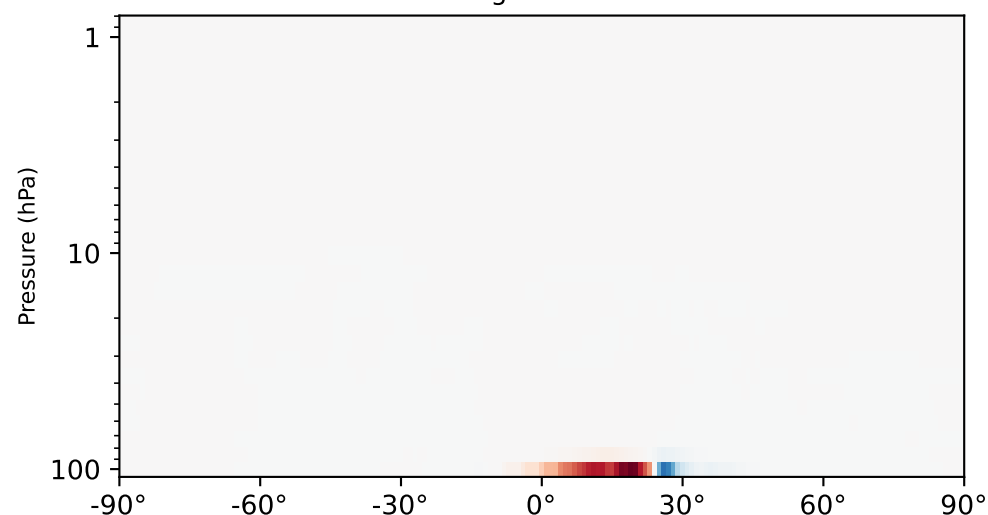


SpeciesConcVV_DST4, Zonal Mean

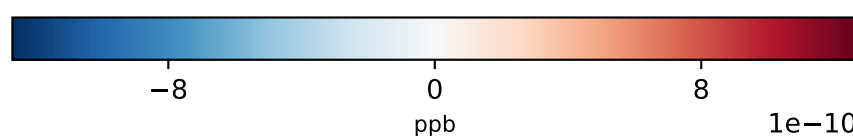
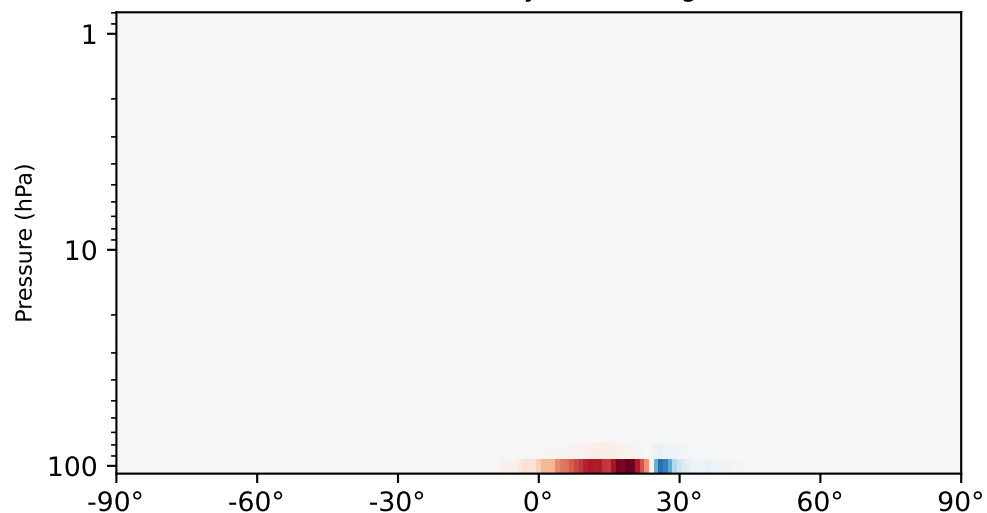
gcc-4x5-1Mon-14.6.3_ - gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0



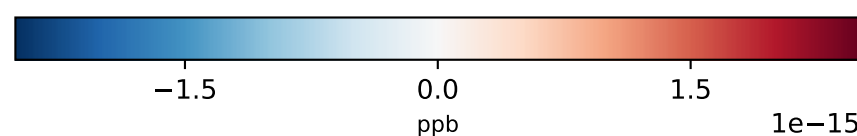
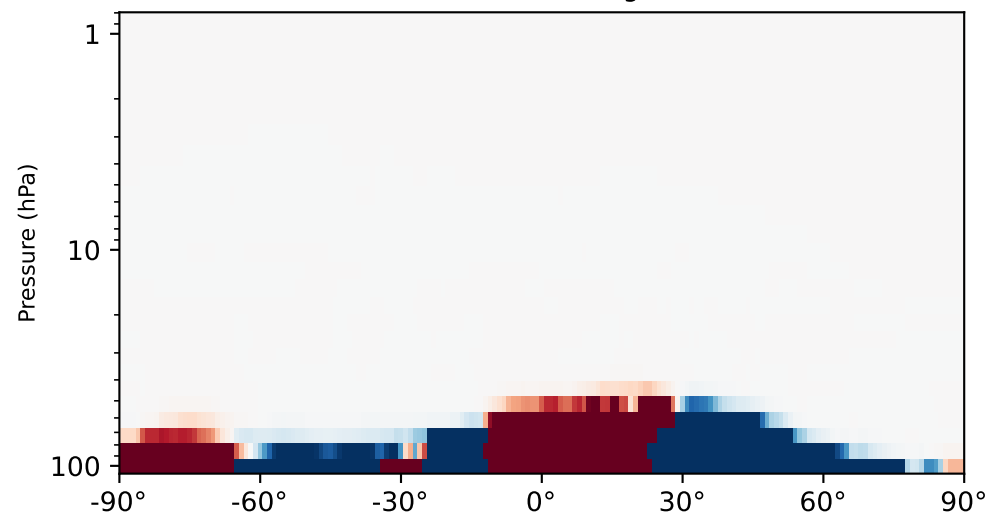
gchp-c24-1Mon-14.6.3_ - gchp-c24-1Mon-14.6.2 (Dev)
1x1.25 regridded from c24



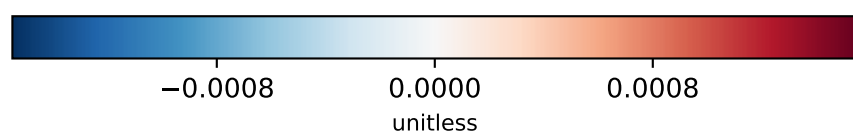
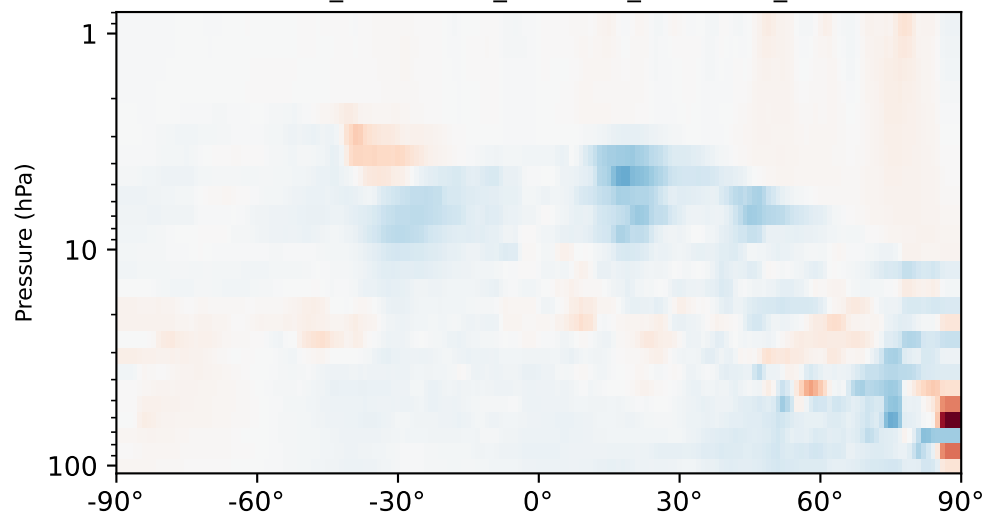
Difference (1x1.25)
Dev - Ref, Dynamic Range



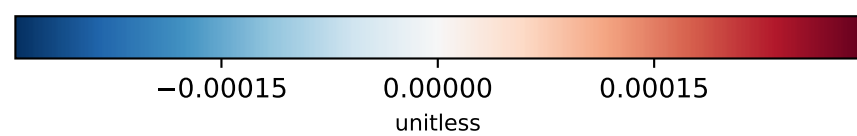
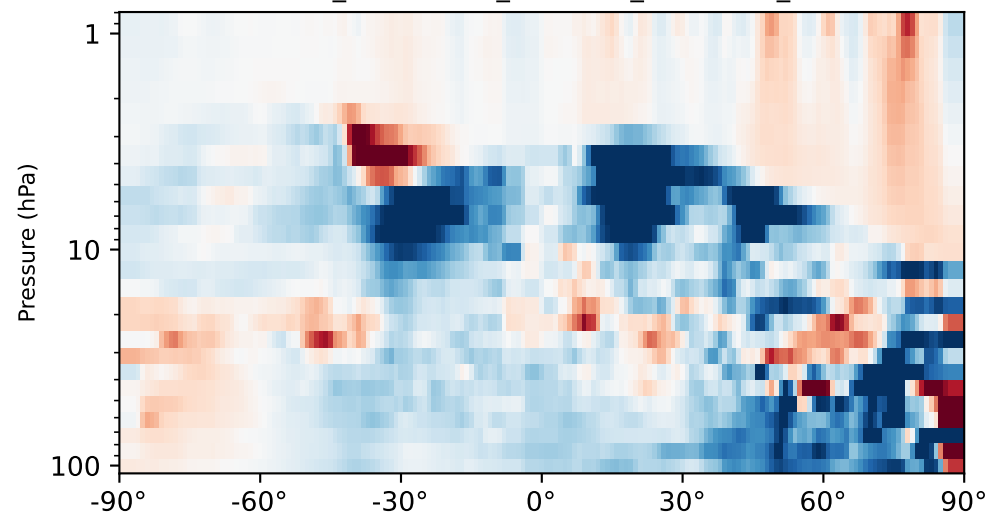
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



Difference (1x1.25), Dynamic Range
GCHP_dev / GCHP_ref - GCC_dev / GCC_ref

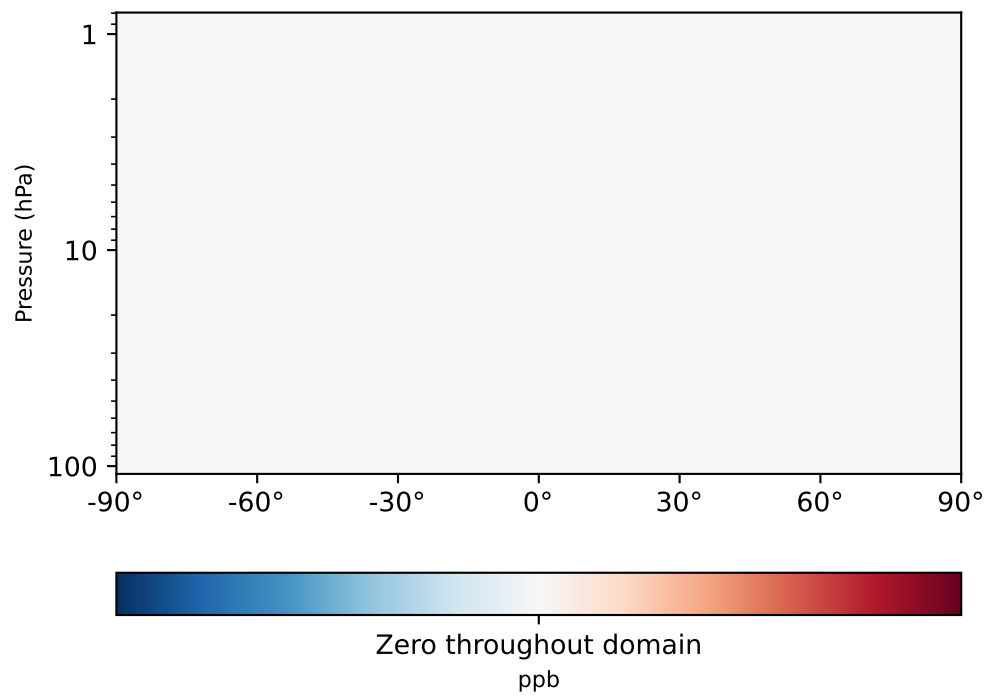


Difference (1x1.25), Restricted Range [5%,95%]
GCHP_dev / GCHP_ref - GCC_dev / GCC_ref

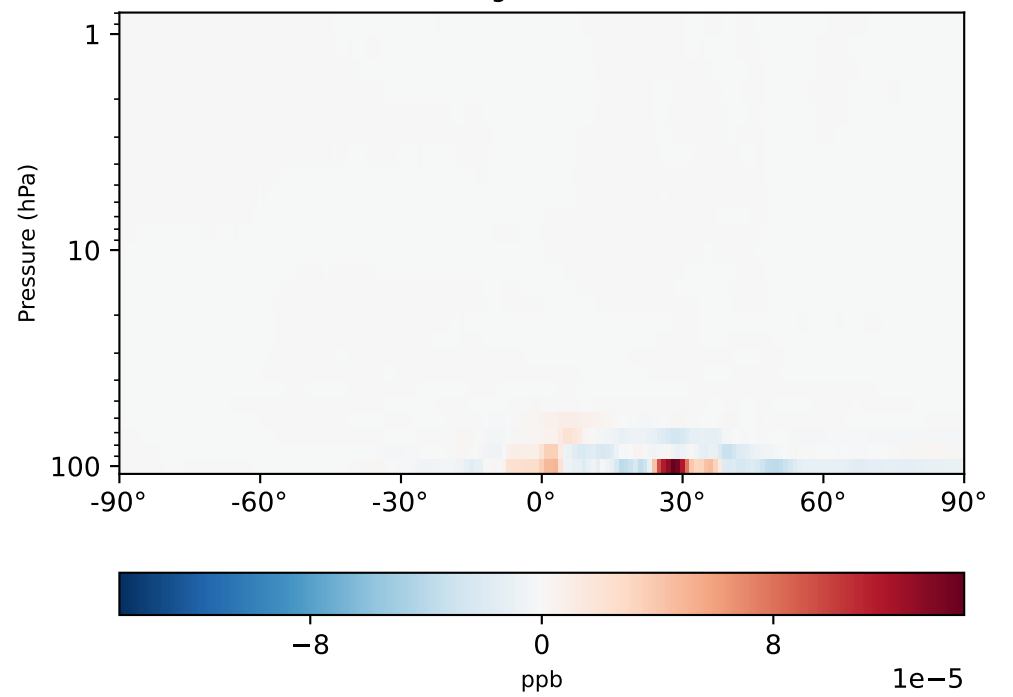


SpeciesConcVV_NH4, Zonal Mean

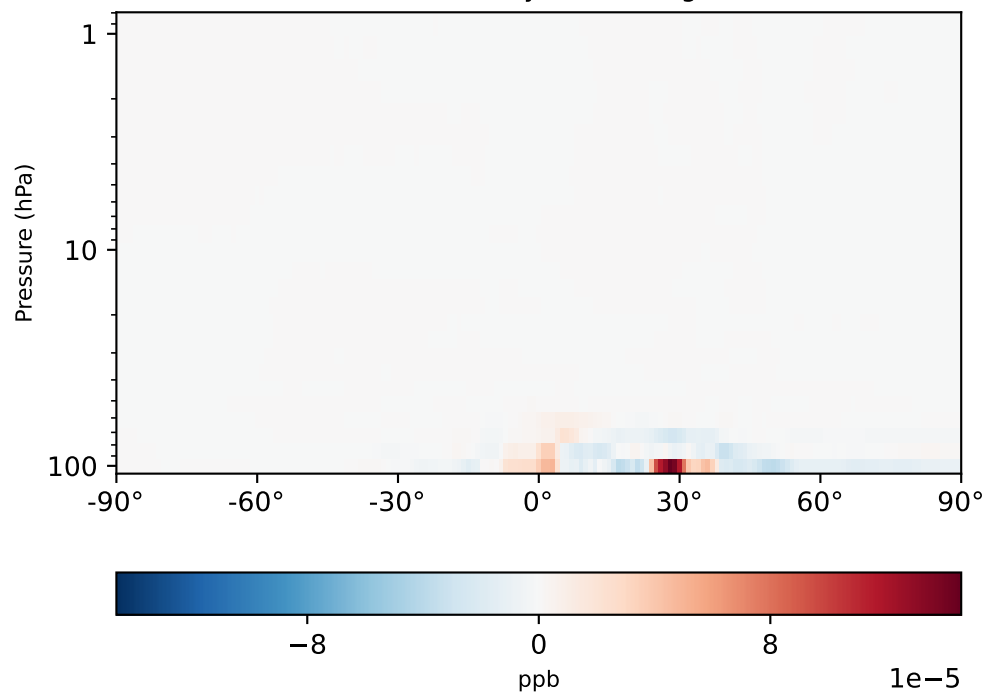
gcc-4x5-1Mon-14.6.3_ - gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0



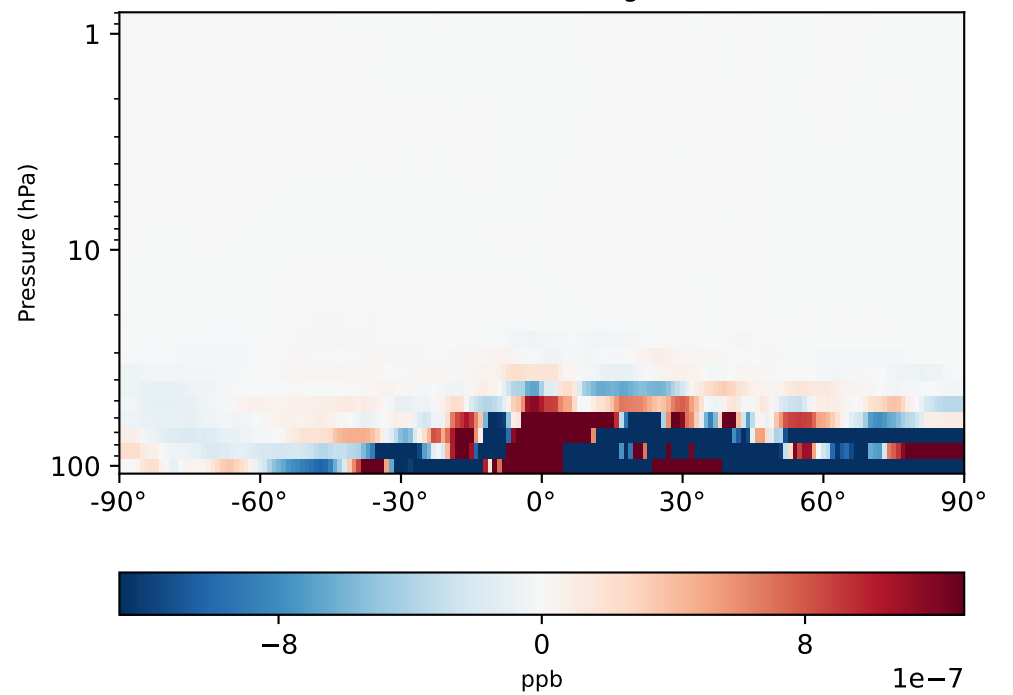
gchp-c24-1Mon-14.6.3_ - gchp-c24-1Mon-14.6.2 (Dev)
1x1.25 regridded from c24



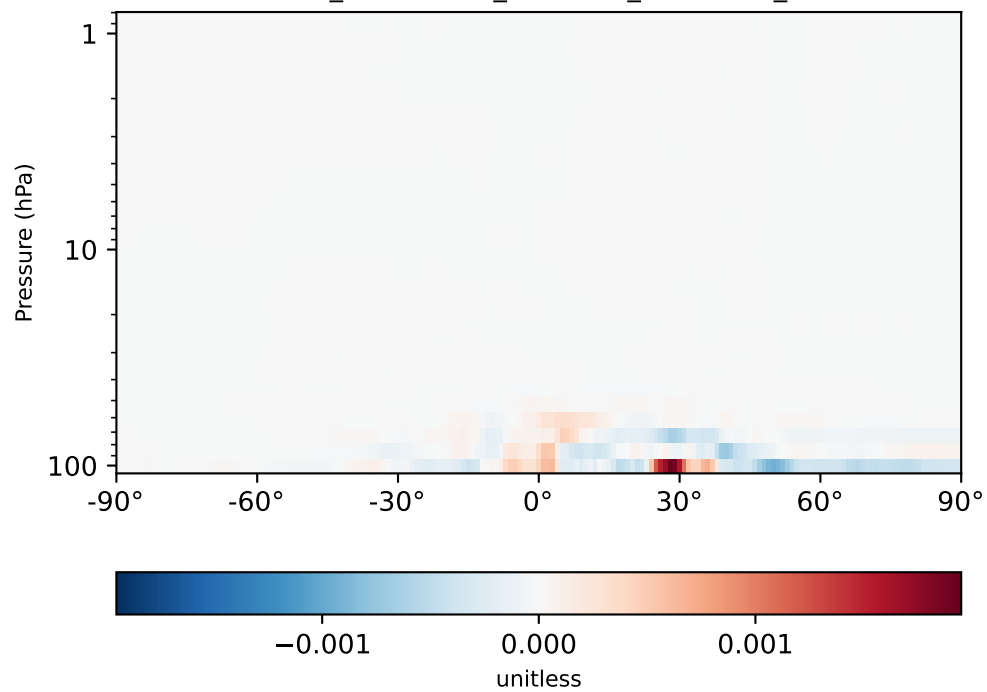
Difference (1x1.25)
Dev - Ref, Dynamic Range



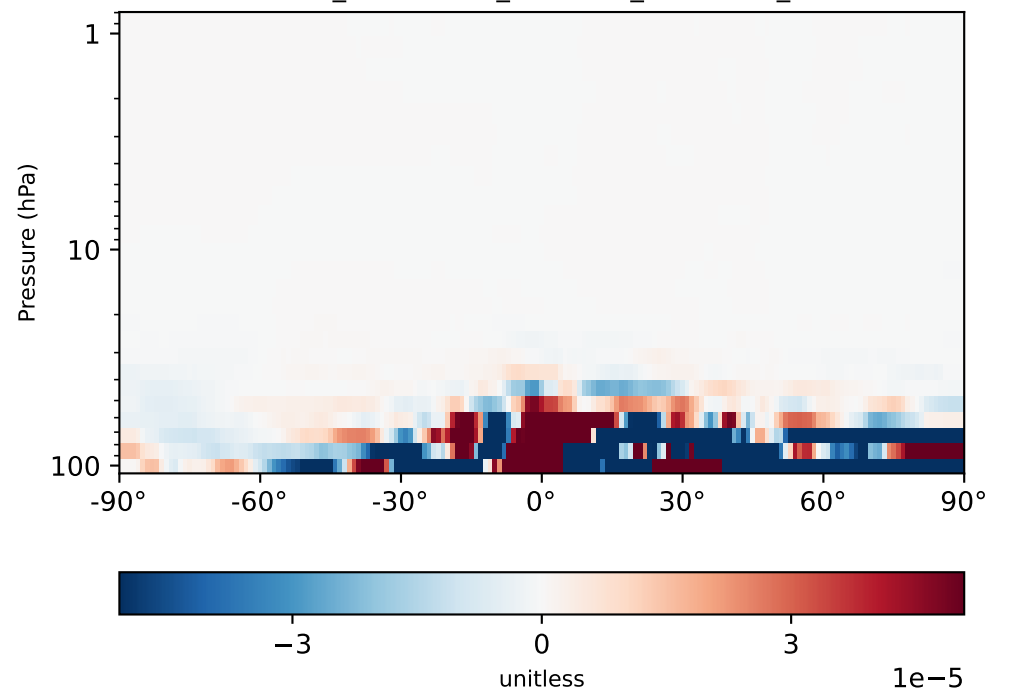
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



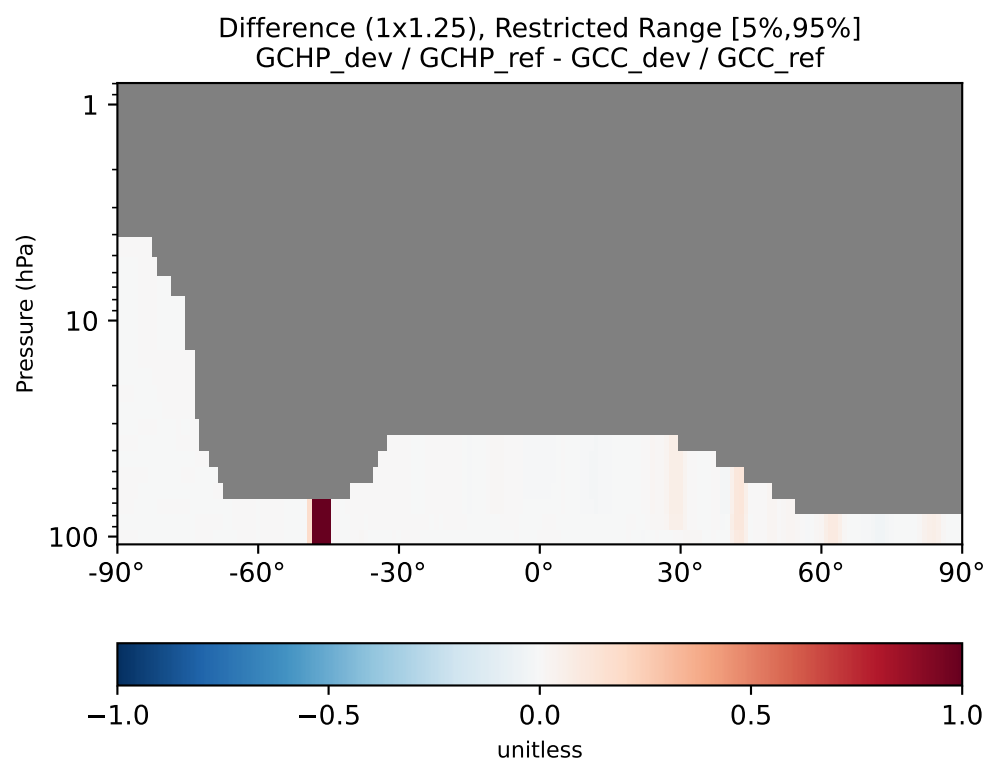
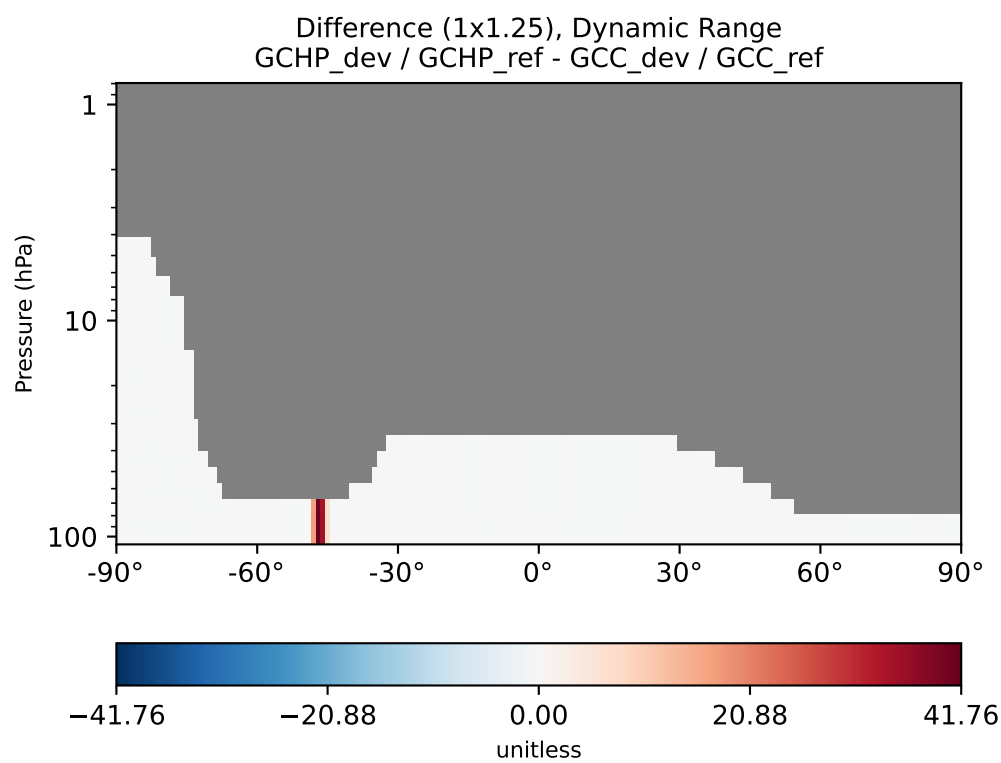
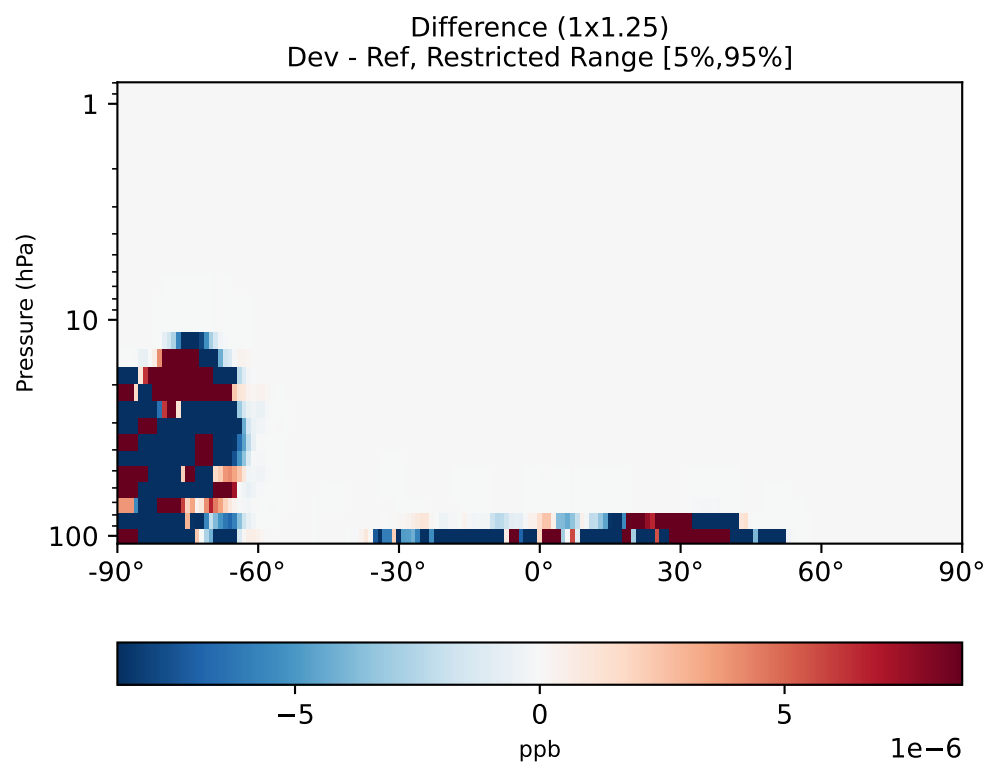
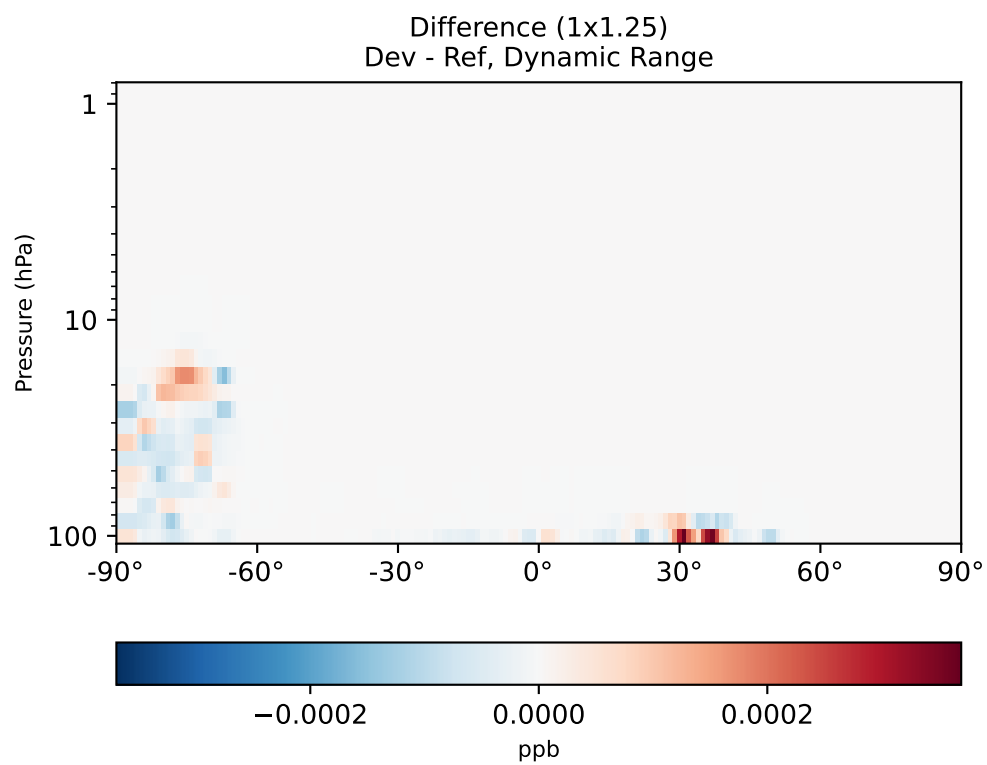
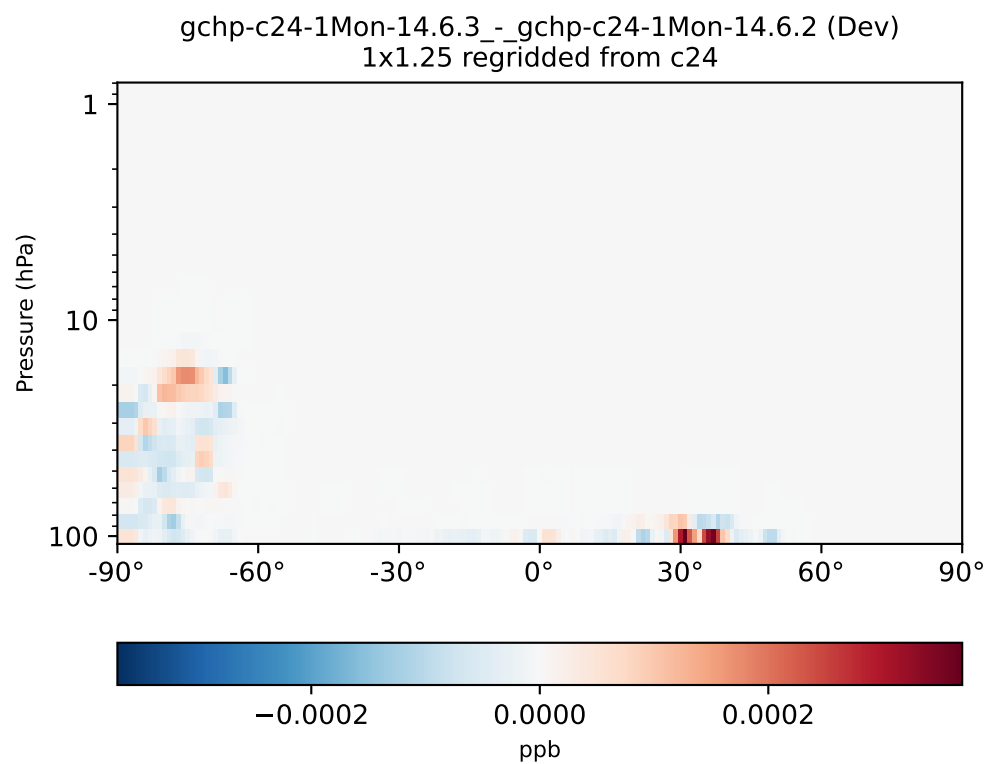
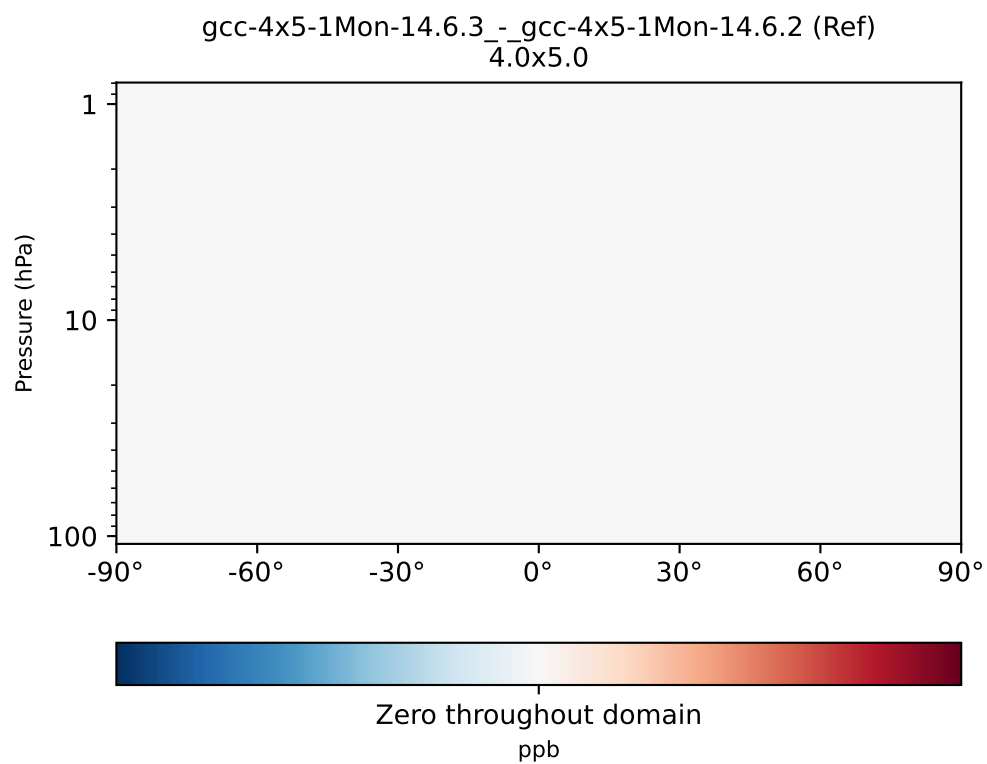
Difference (1x1.25), Dynamic Range
GCHP_dev / GCHP_ref - GCC_dev / GCC_ref



Difference (1x1.25), Restricted Range [5%,95%]
GCHP_dev / GCHP_ref - GCC_dev / GCC_ref

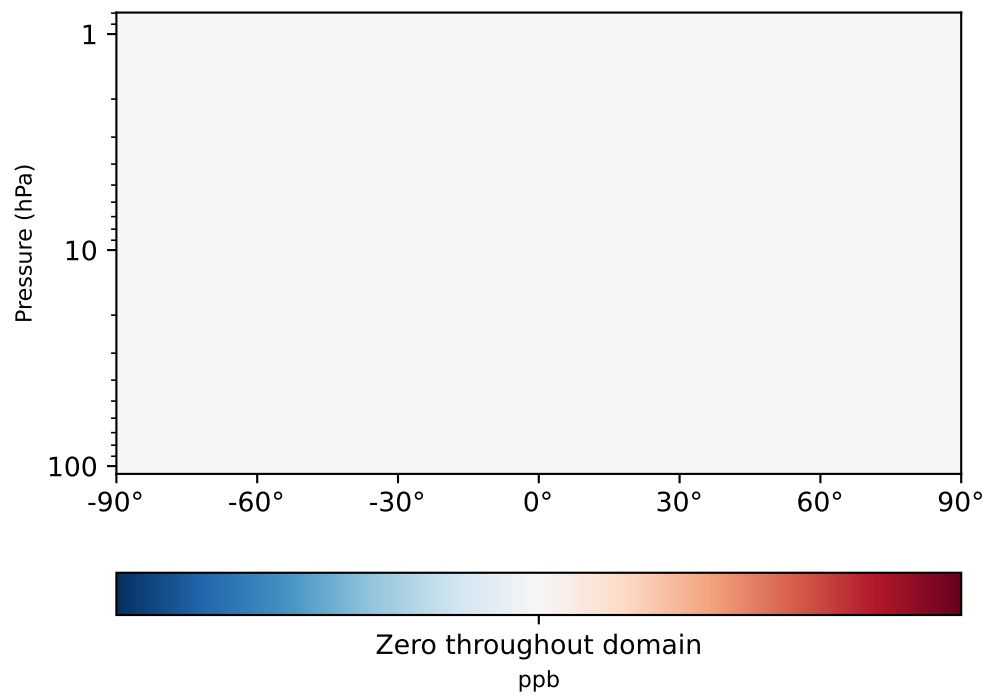


SpeciesConcVV_NIT, Zonal Mean

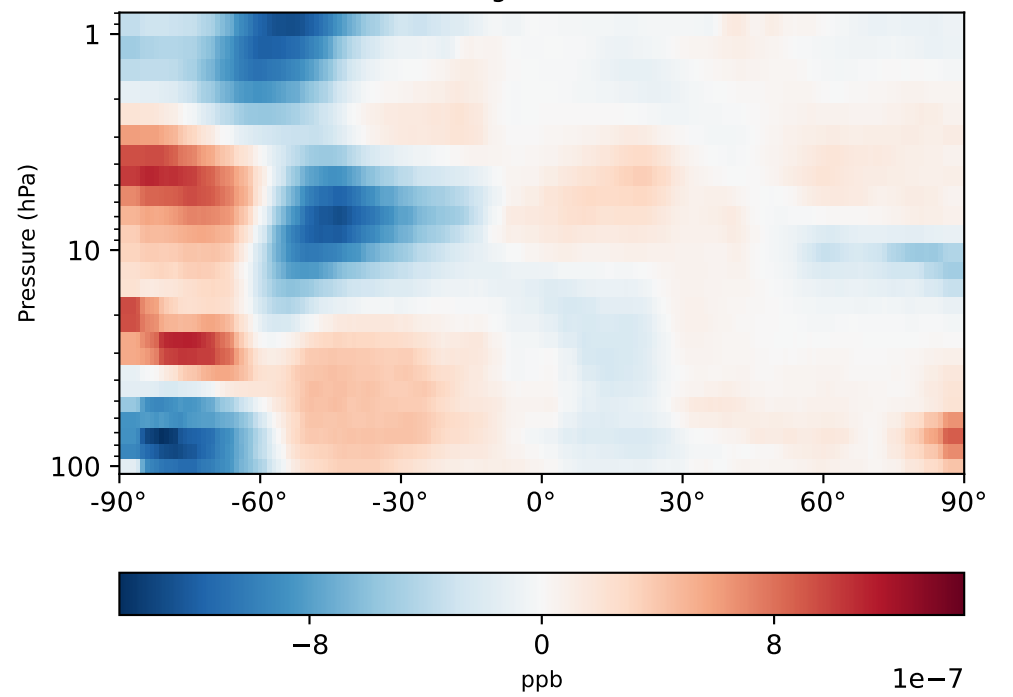


SpeciesConcVV_SO4, Zonal Mean

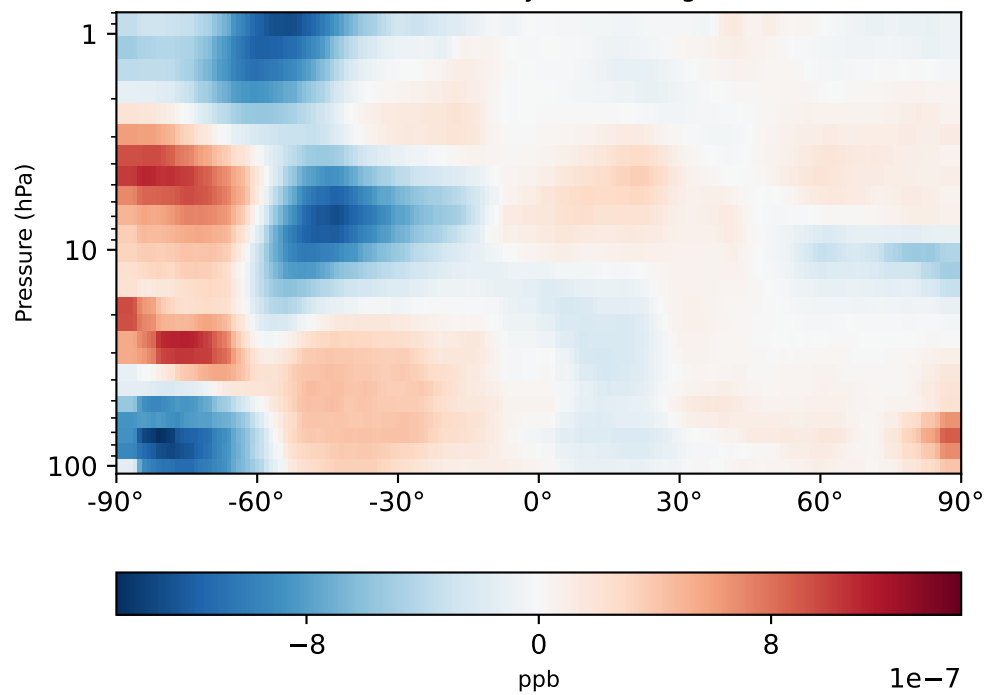
gcc-4x5-1Mon-14.6.3 - gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0



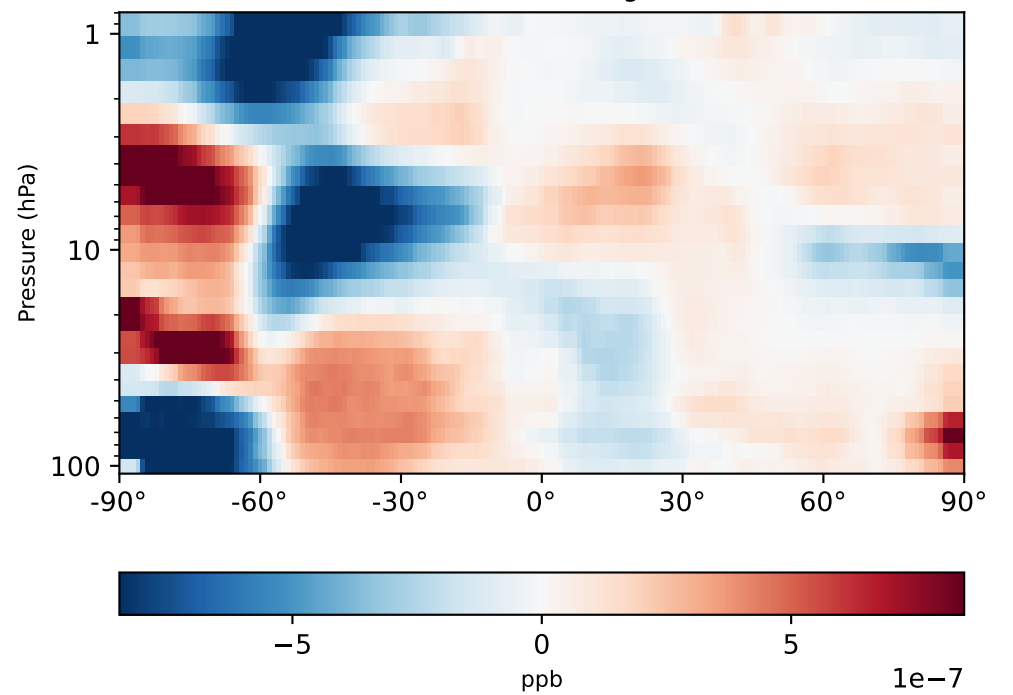
gchp-c24-1Mon-14.6.3 - gchp-c24-1Mon-14.6.2 (Dev)
1x1.25 regridded from c24



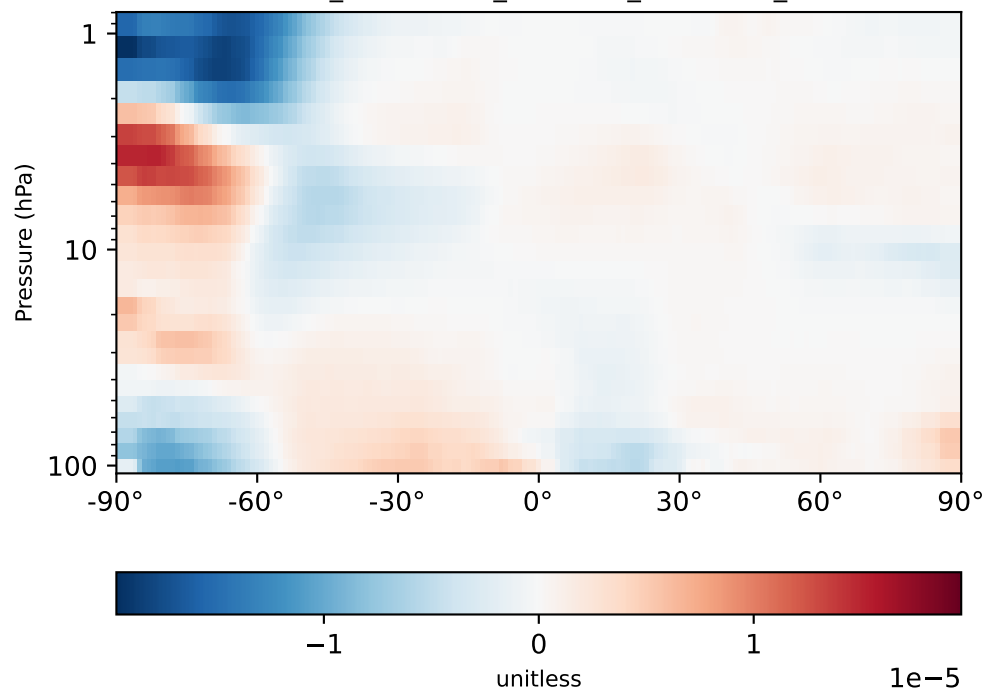
Difference (1x1.25)
Dev - Ref, Dynamic Range



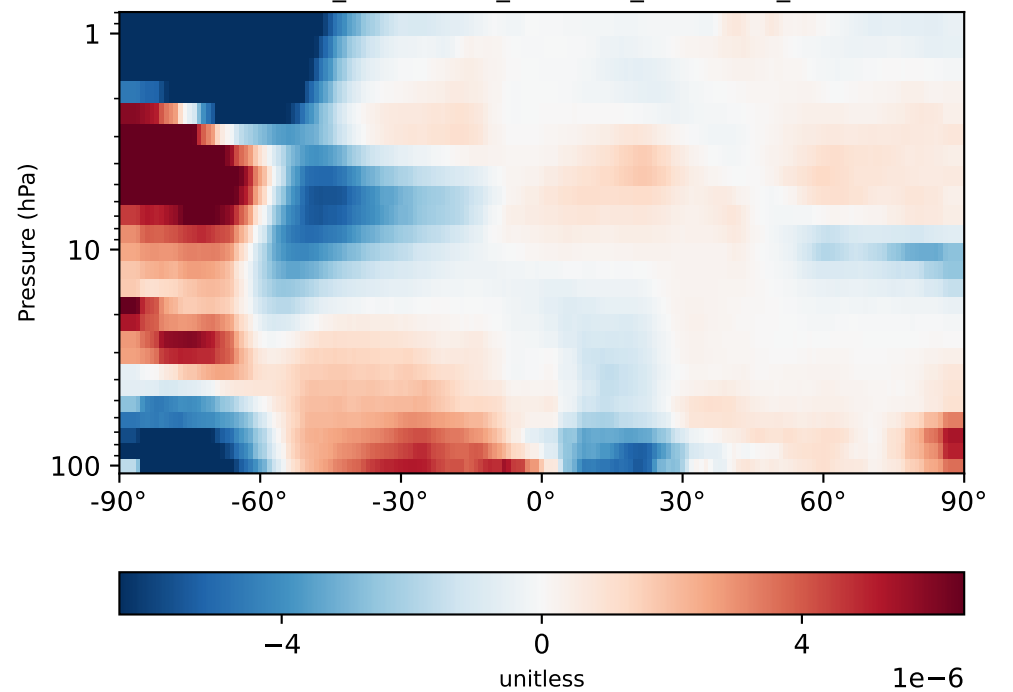
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



Difference (1x1.25), Dynamic Range
GCHP_dev / GCHP_ref - GCC_dev / GCC_ref

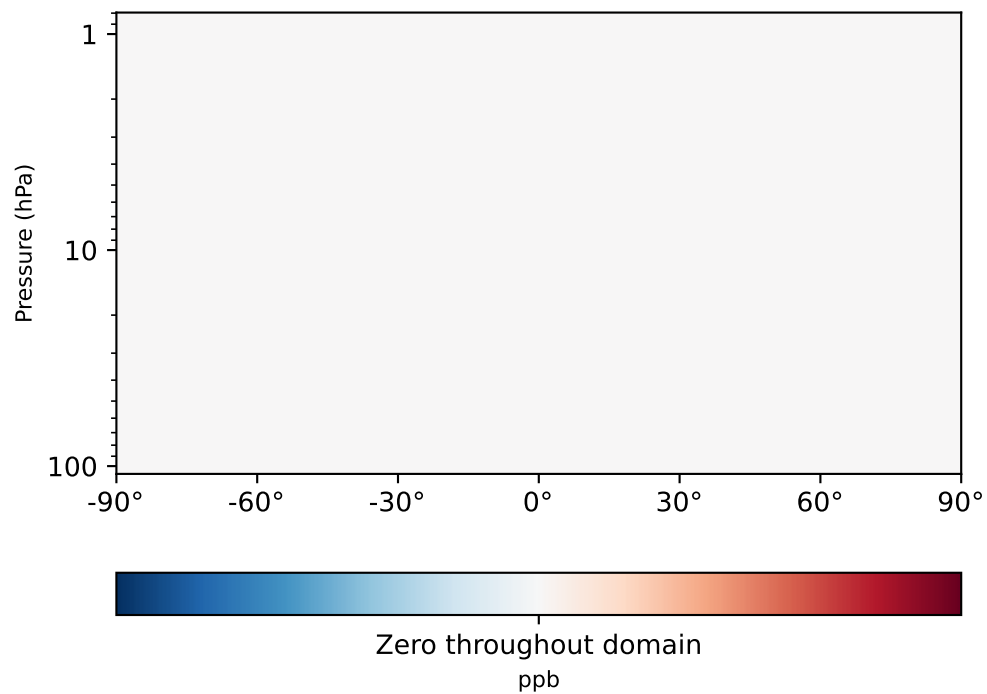


Difference (1x1.25), Restricted Range [5%,95%]
GCHP_dev / GCHP_ref - GCC_dev / GCC_ref

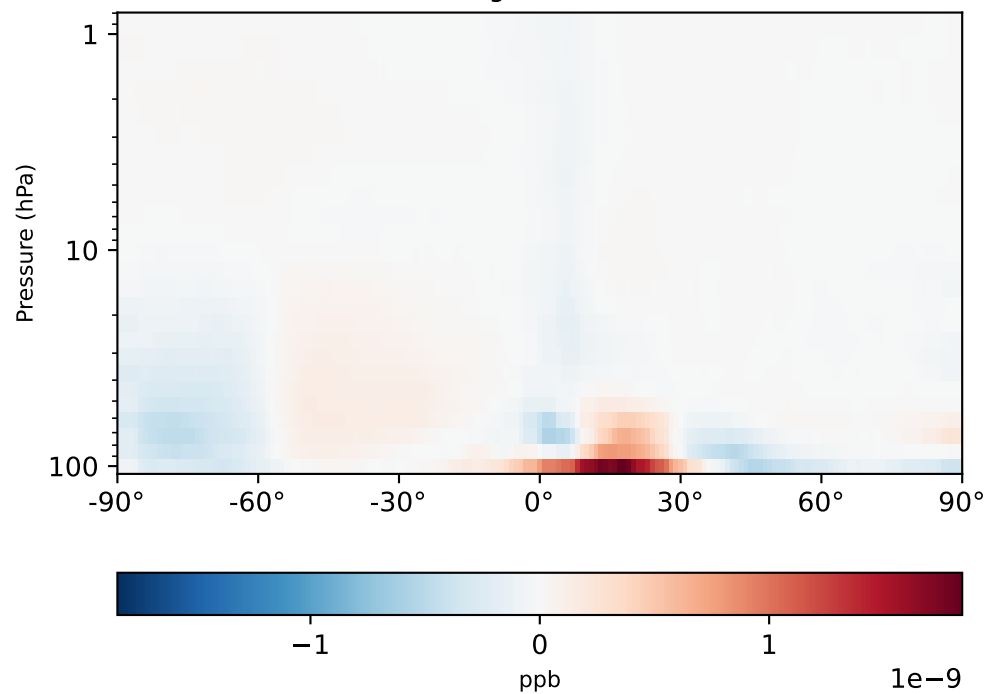


SpeciesConcVV_HMS, Zonal Mean

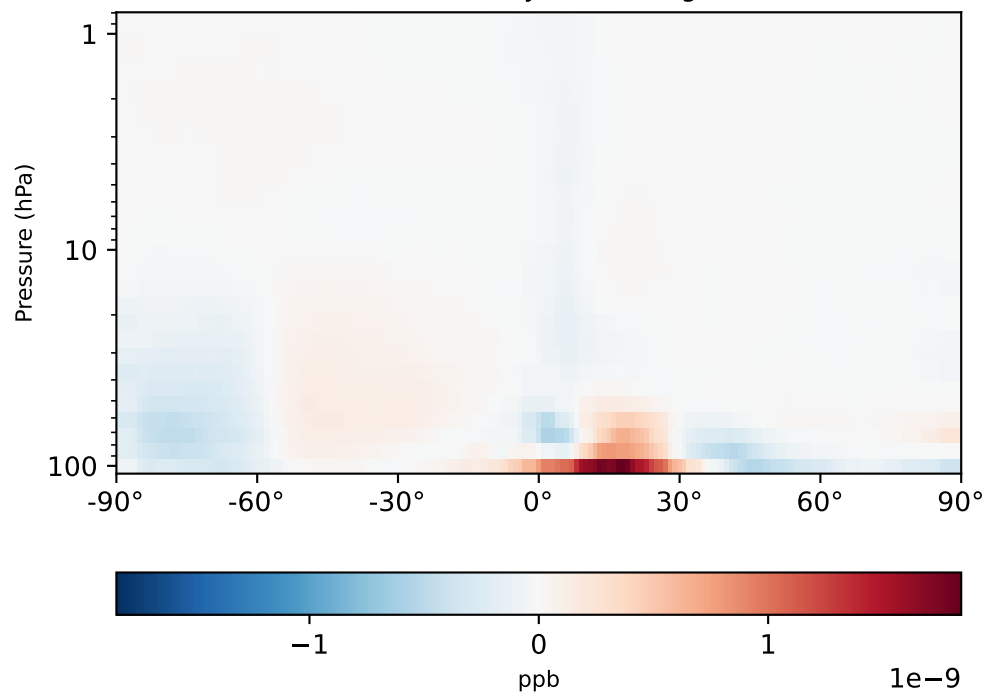
gcc-4x5-1Mon-14.6.3_ - gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0



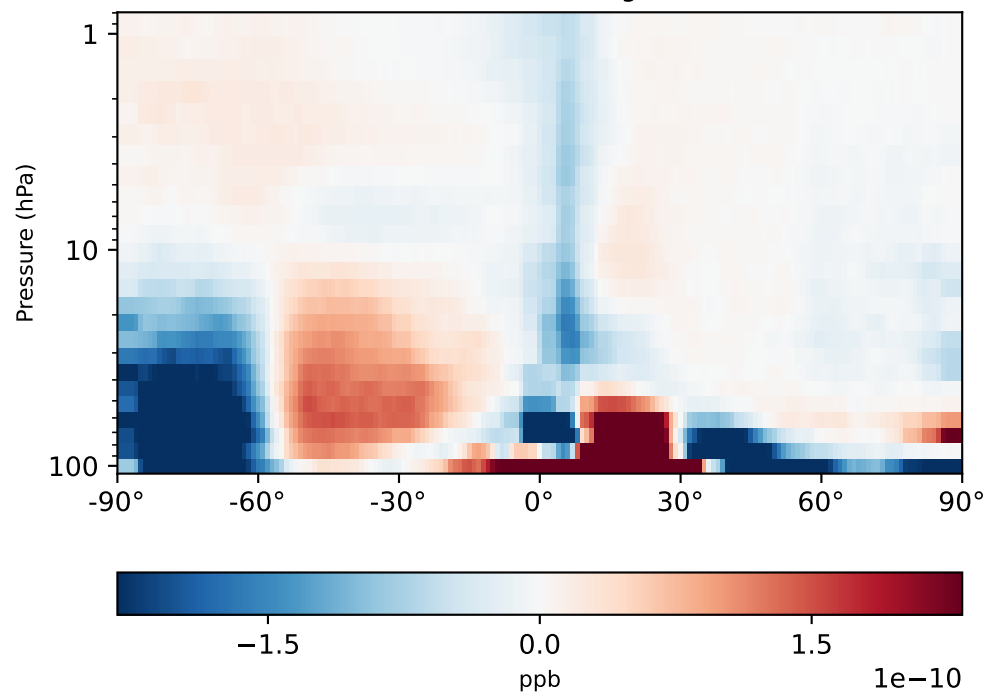
gchp-c24-1Mon-14.6.3_ - gchp-c24-1Mon-14.6.2 (Dev)
1x1.25 regridded from c24



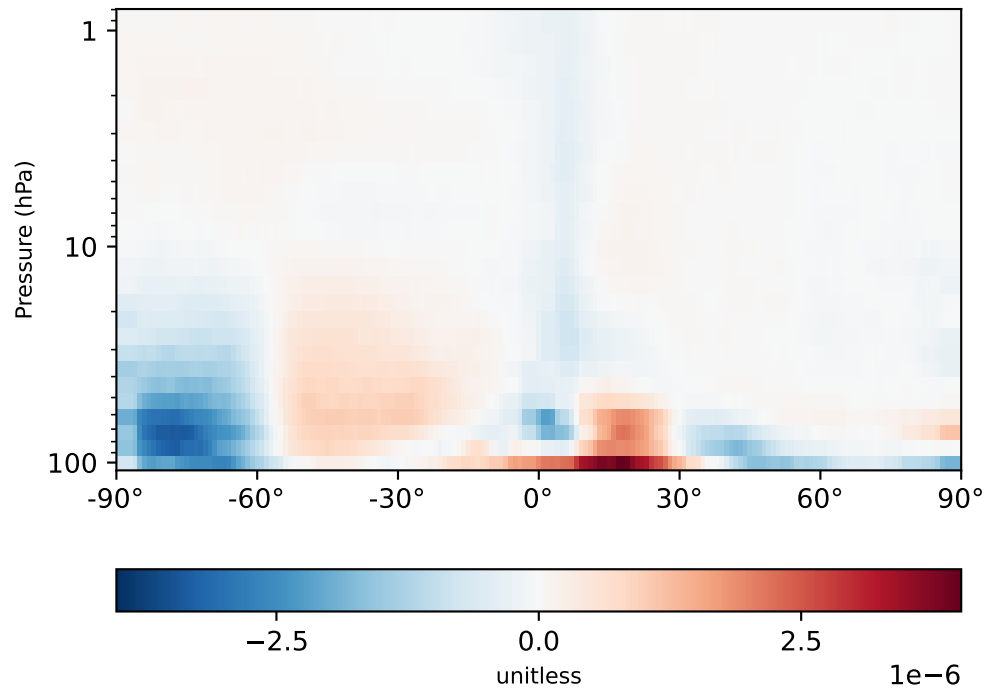
Difference (1x1.25)
Dev - Ref, Dynamic Range



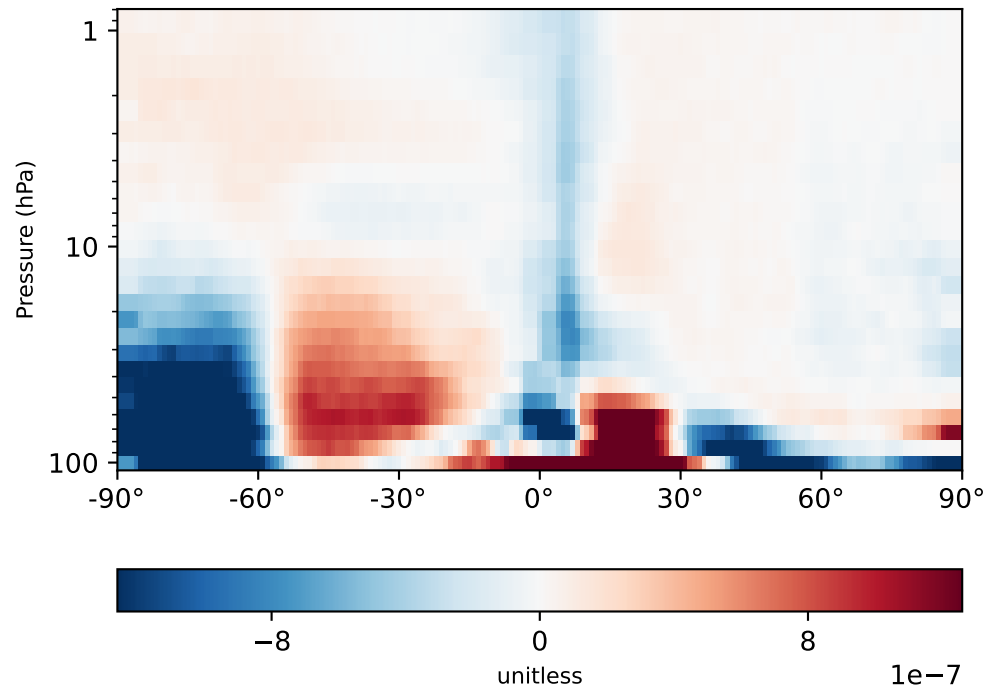
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



Difference (1x1.25), Dynamic Range
GCHP_dev / GCHP_ref - GCC_dev / GCC_ref

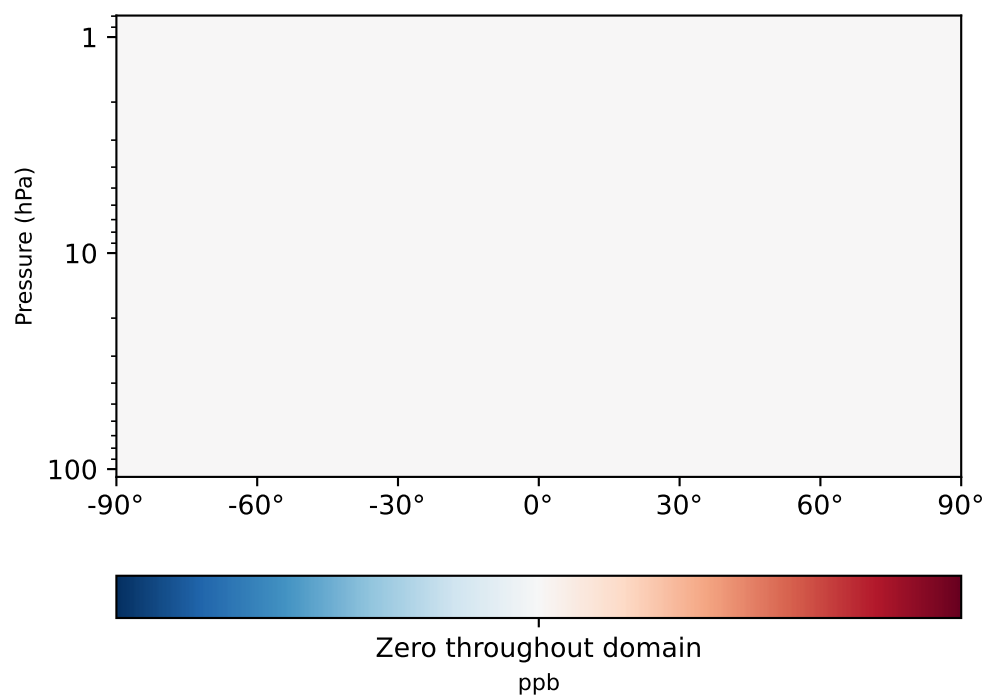


Difference (1x1.25), Restricted Range [5%,95%]
GCHP_dev / GCHP_ref - GCC_dev / GCC_ref

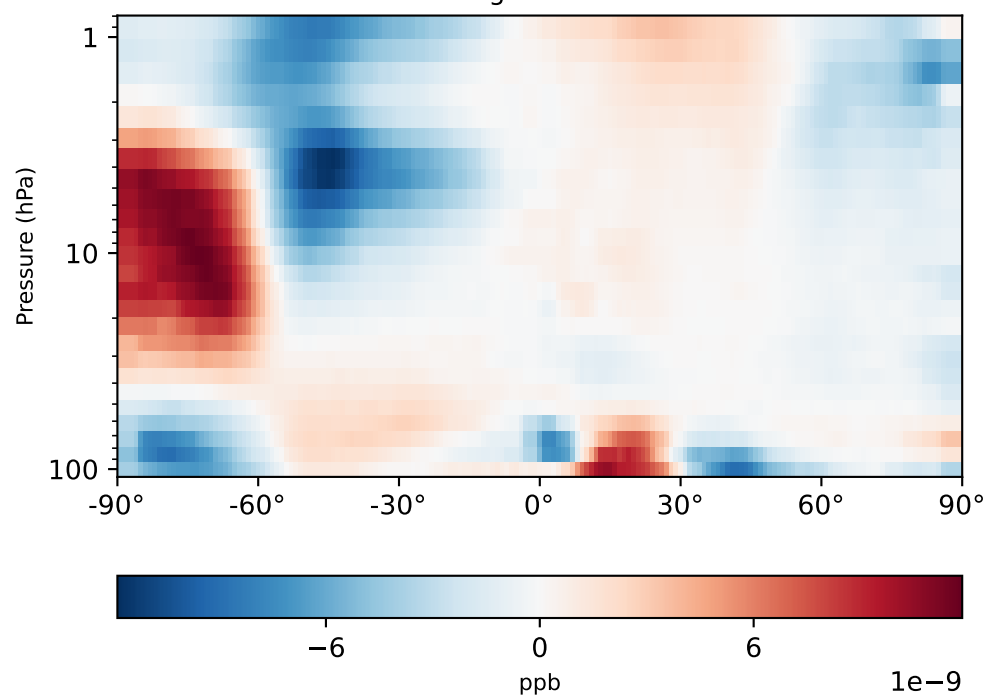


SpeciesConcVV_BCPI, Zonal Mean

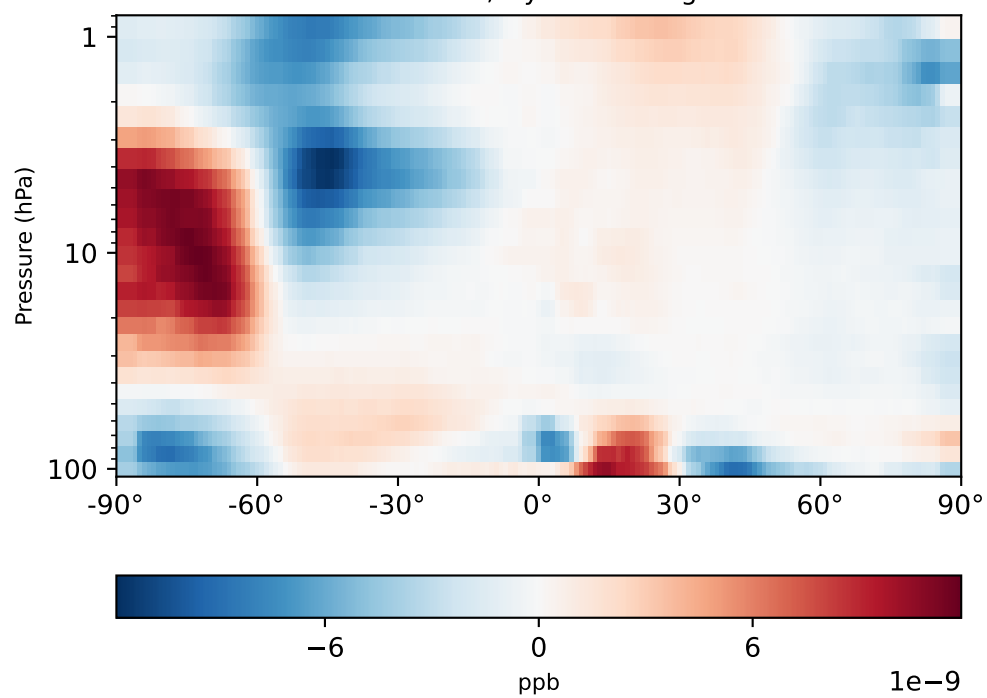
gcc-4x5-1Mon-14.6.3 - gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0



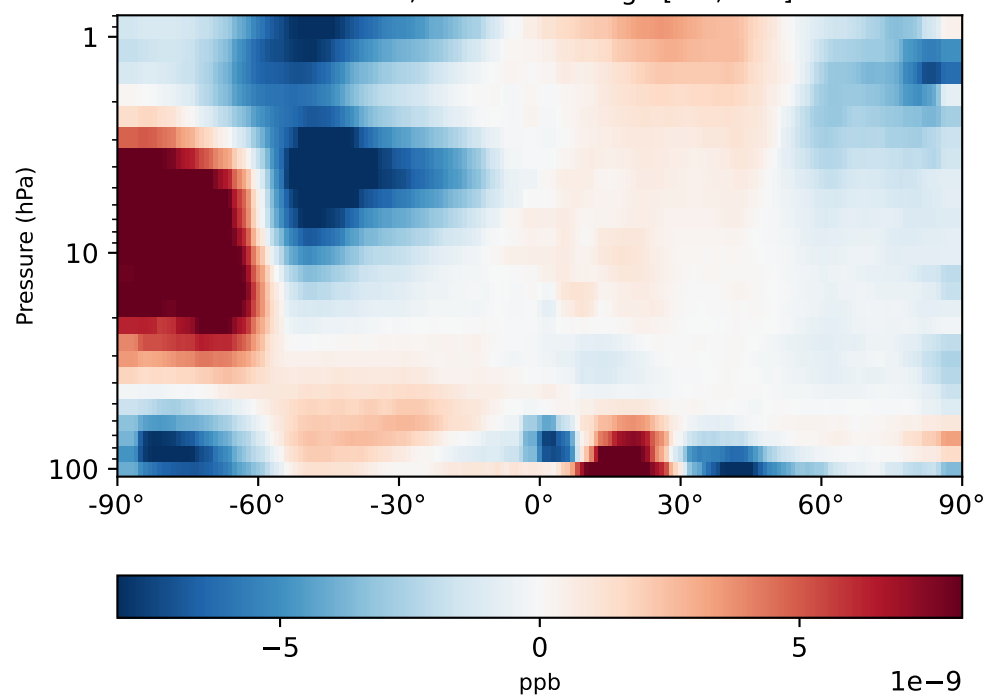
gchp-c24-1Mon-14.6.3 - gchp-c24-1Mon-14.6.2 (Dev)
1x1.25 regridded from c24



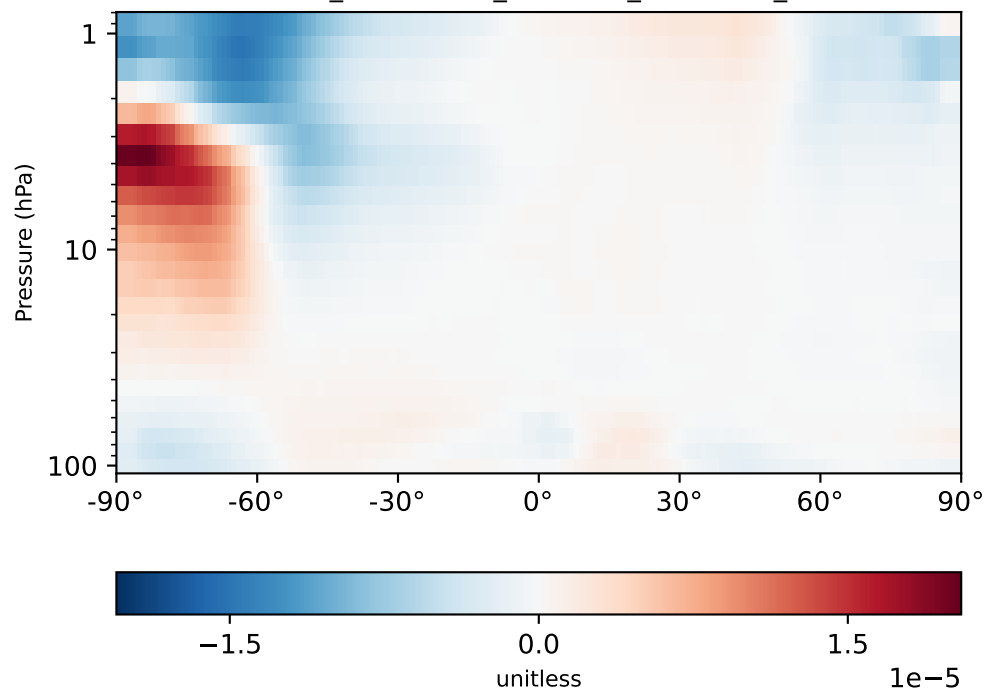
Difference (1x1.25)
Dev - Ref, Dynamic Range



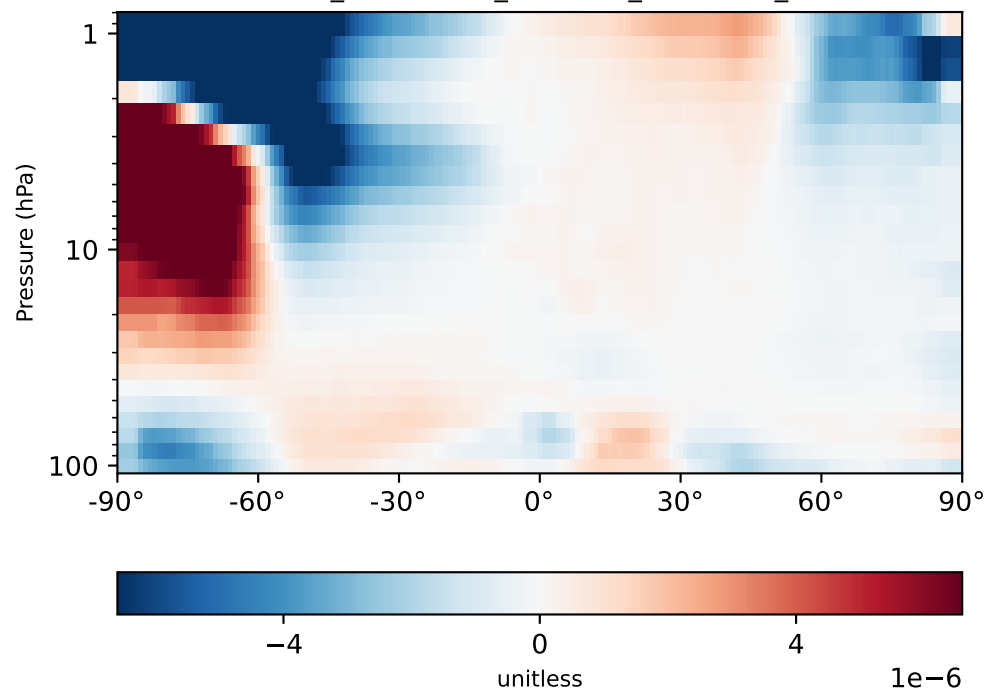
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



Difference (1x1.25), Dynamic Range
GCHP_dev / GCHP_ref - GCC_dev / GCC_ref

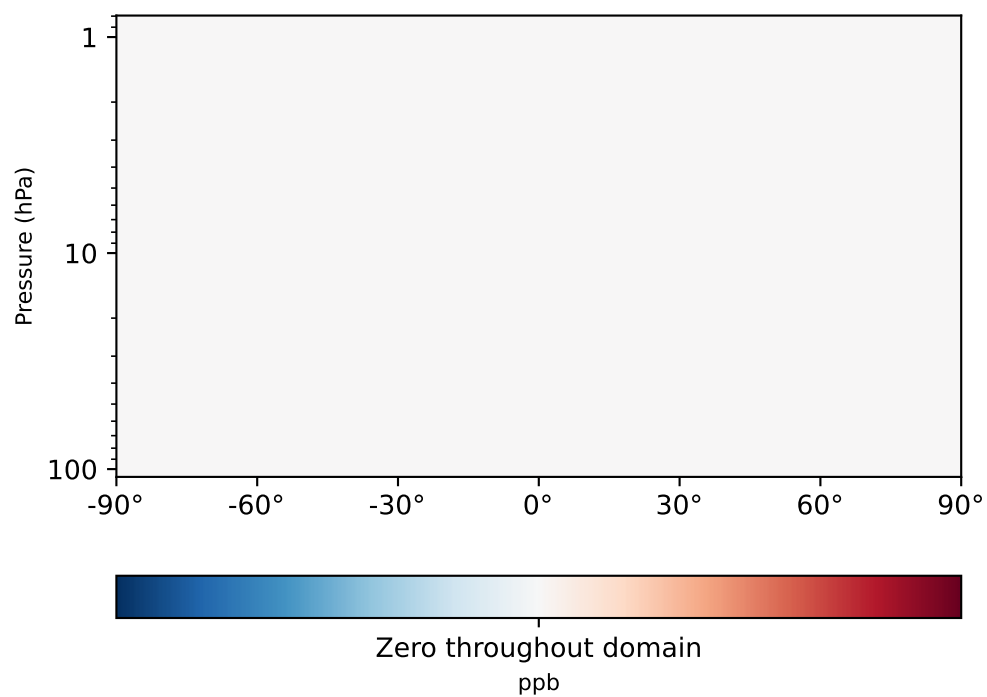


Difference (1x1.25), Restricted Range [5%,95%]
GCHP_dev / GCHP_ref - GCC_dev / GCC_ref

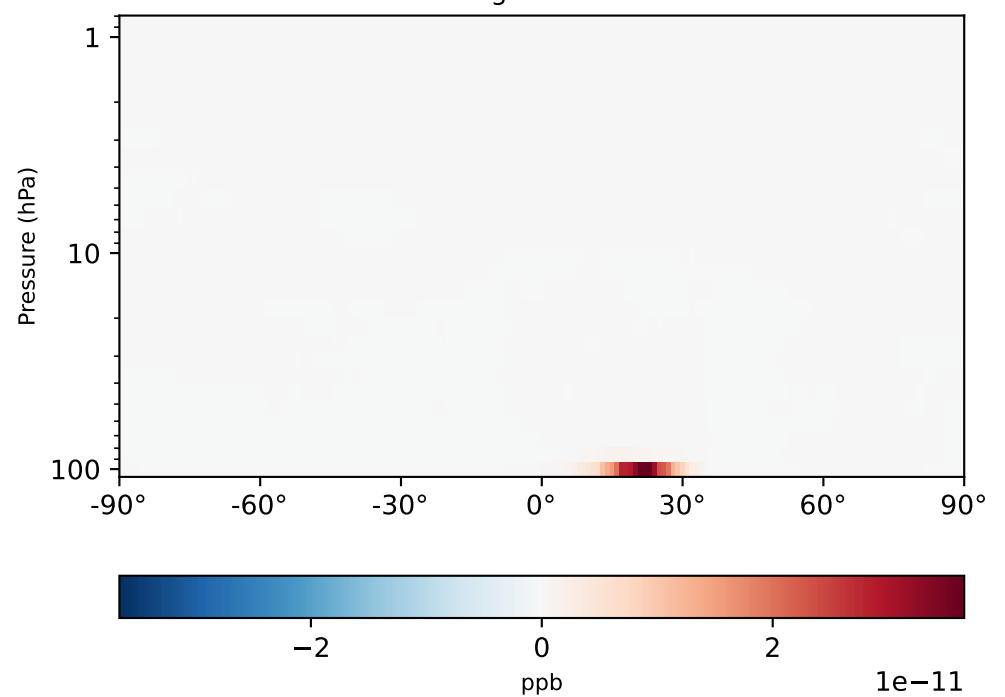


SpeciesConcVV_BCPO, Zonal Mean

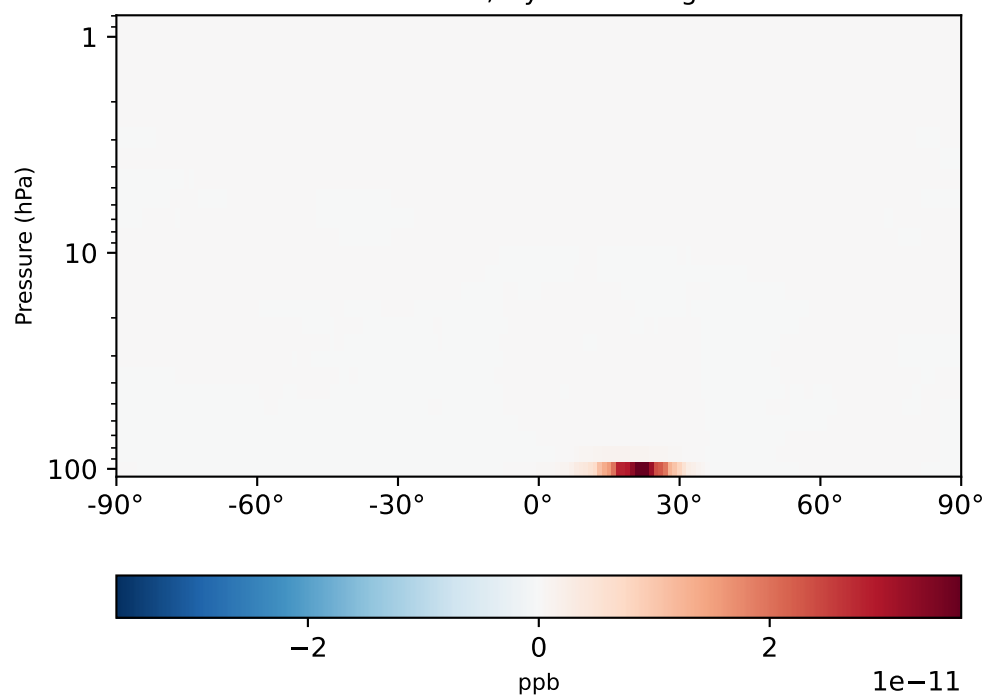
gcc-4x5-1Mon-14.6.3_ - gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0



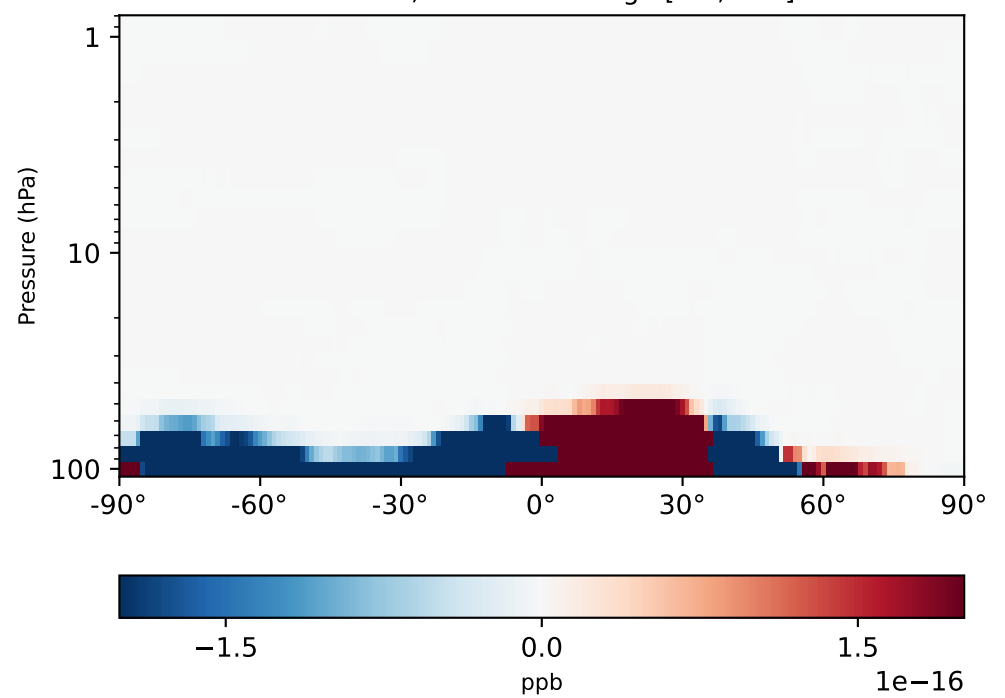
gchp-c24-1Mon-14.6.3_ - gchp-c24-1Mon-14.6.2 (Dev)
1x1.25 regridded from c24



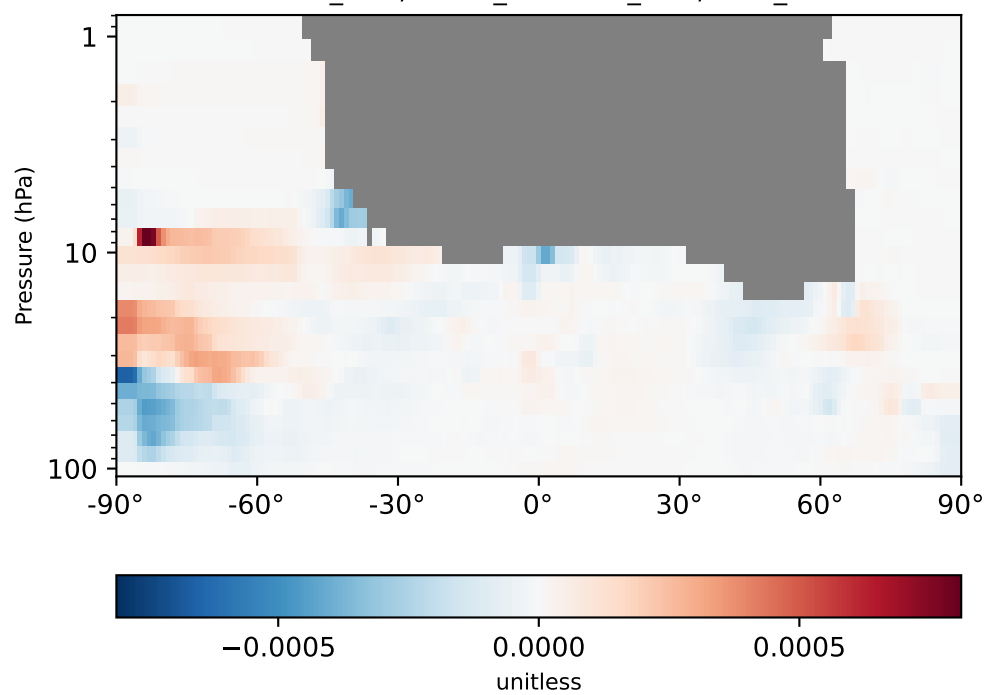
Difference (1x1.25)
Dev - Ref, Dynamic Range



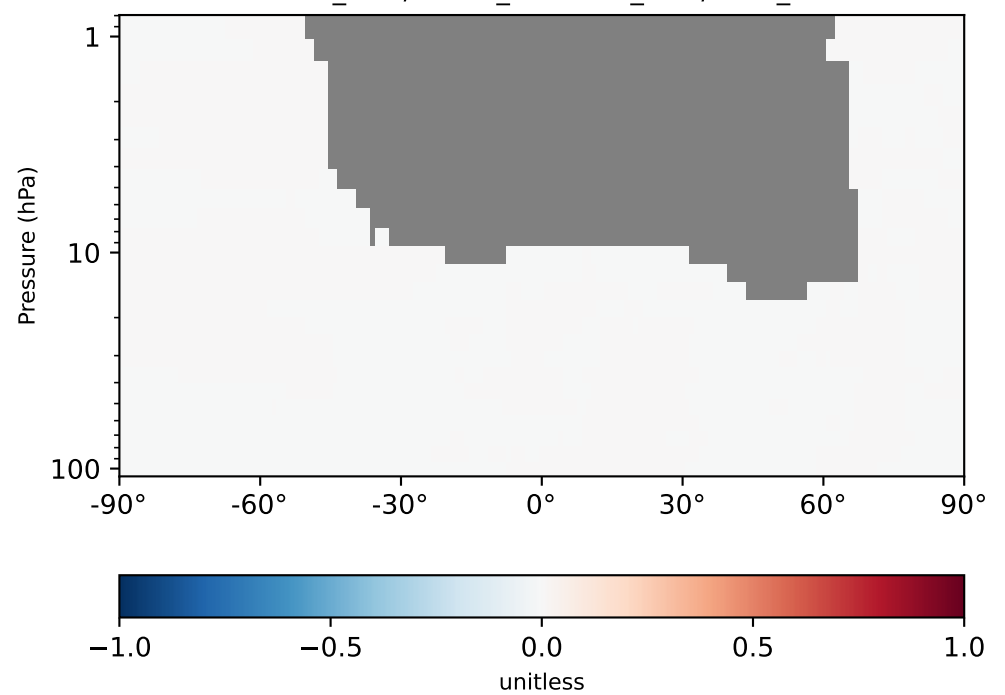
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



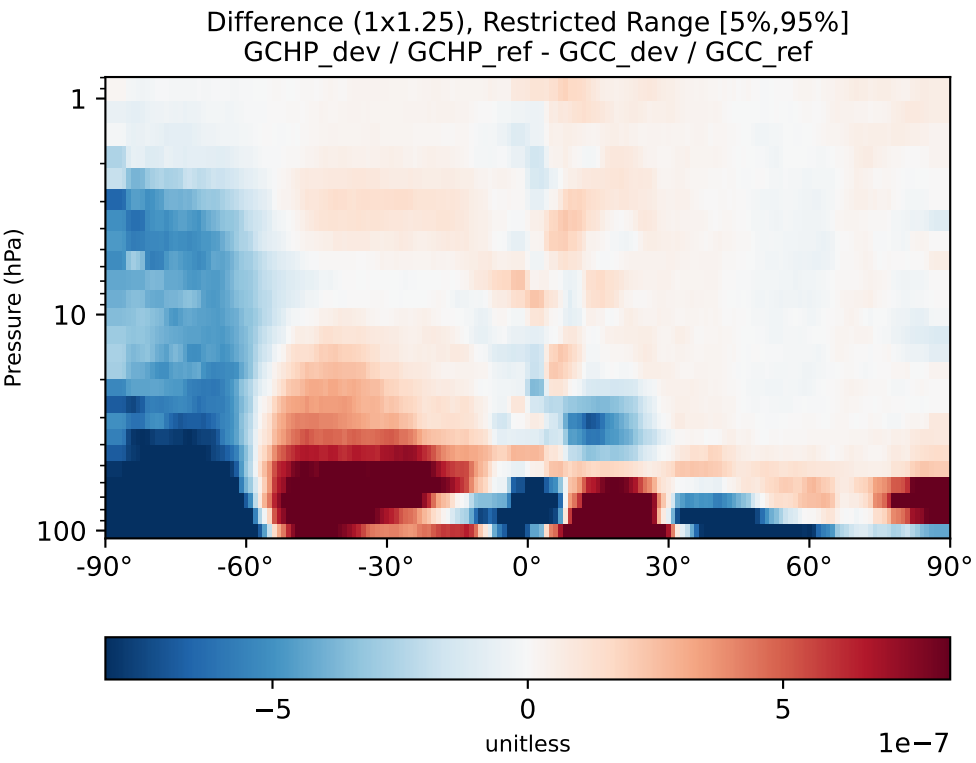
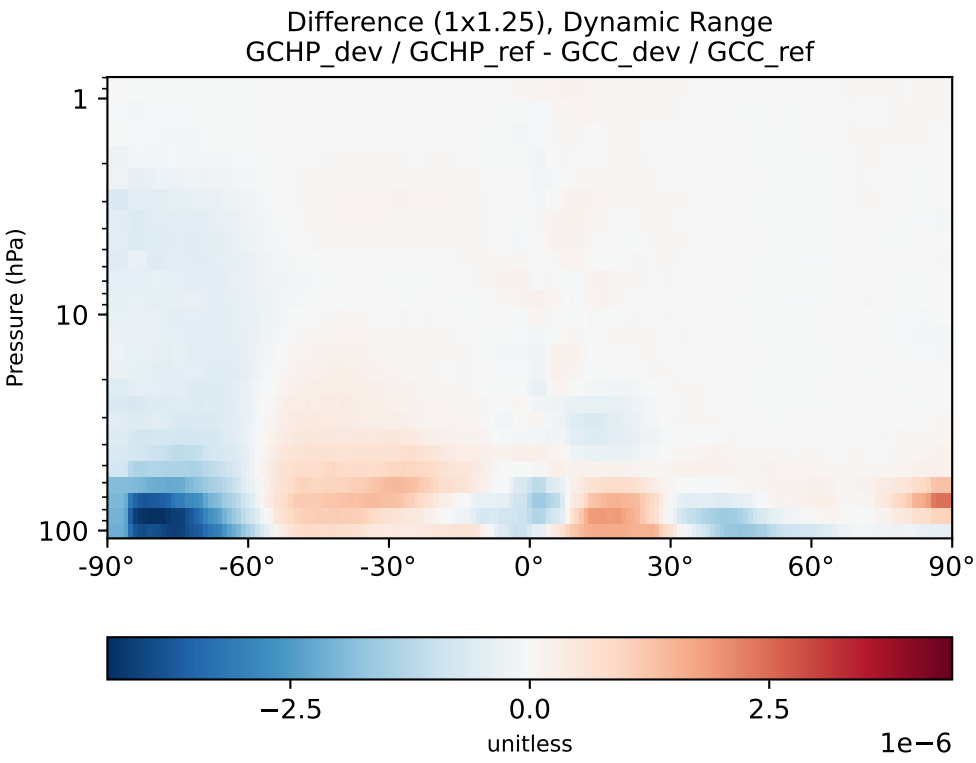
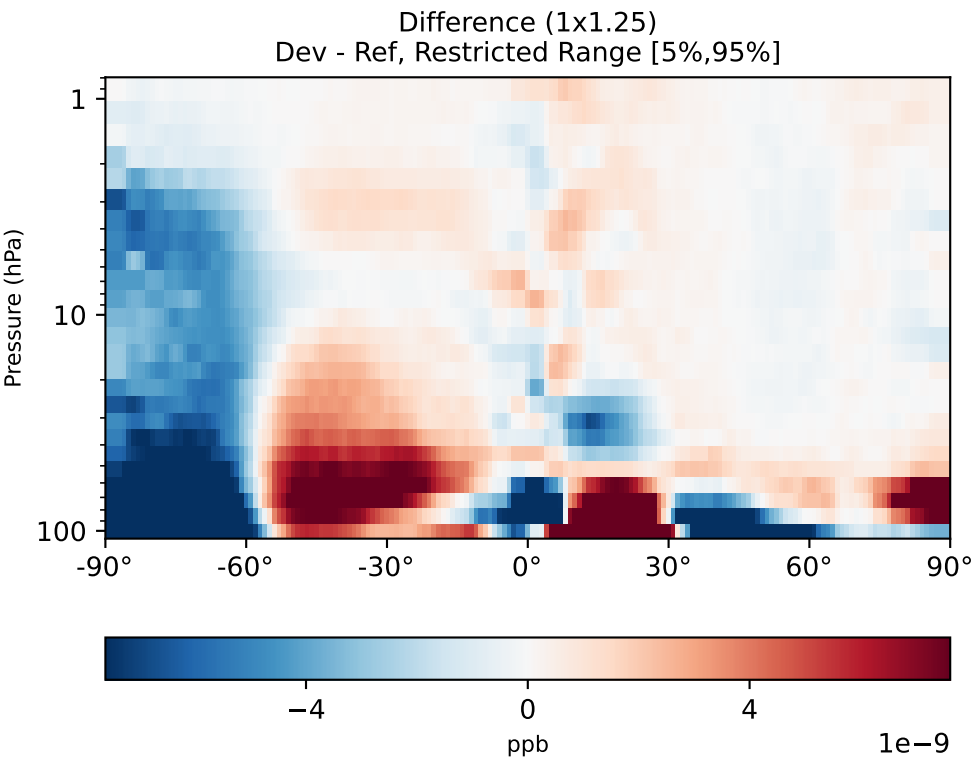
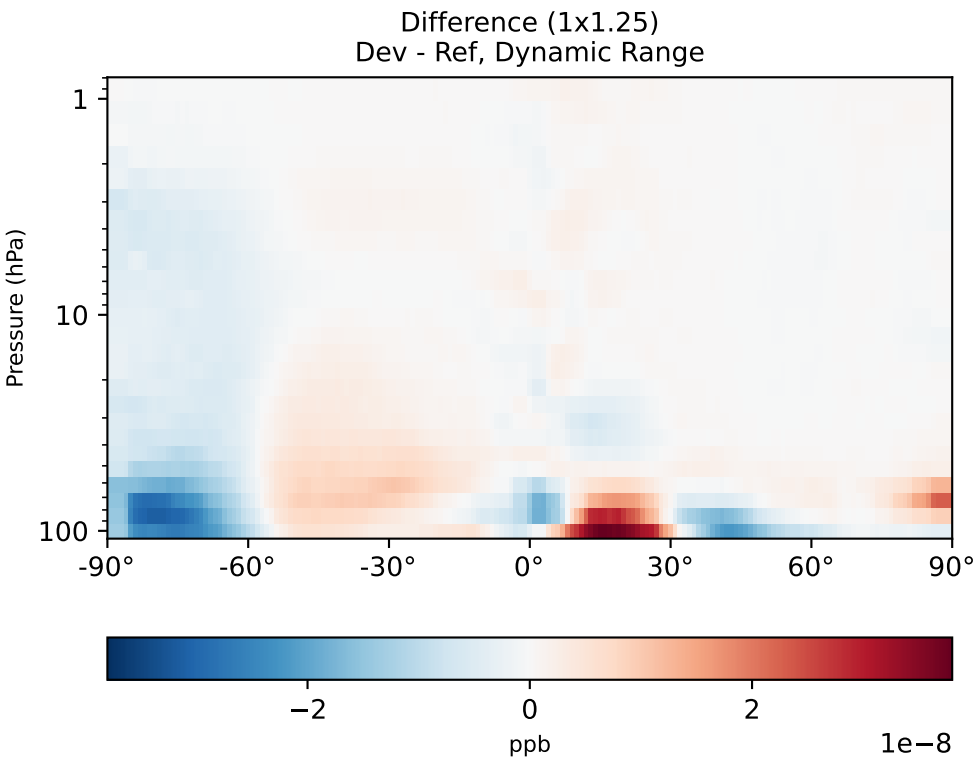
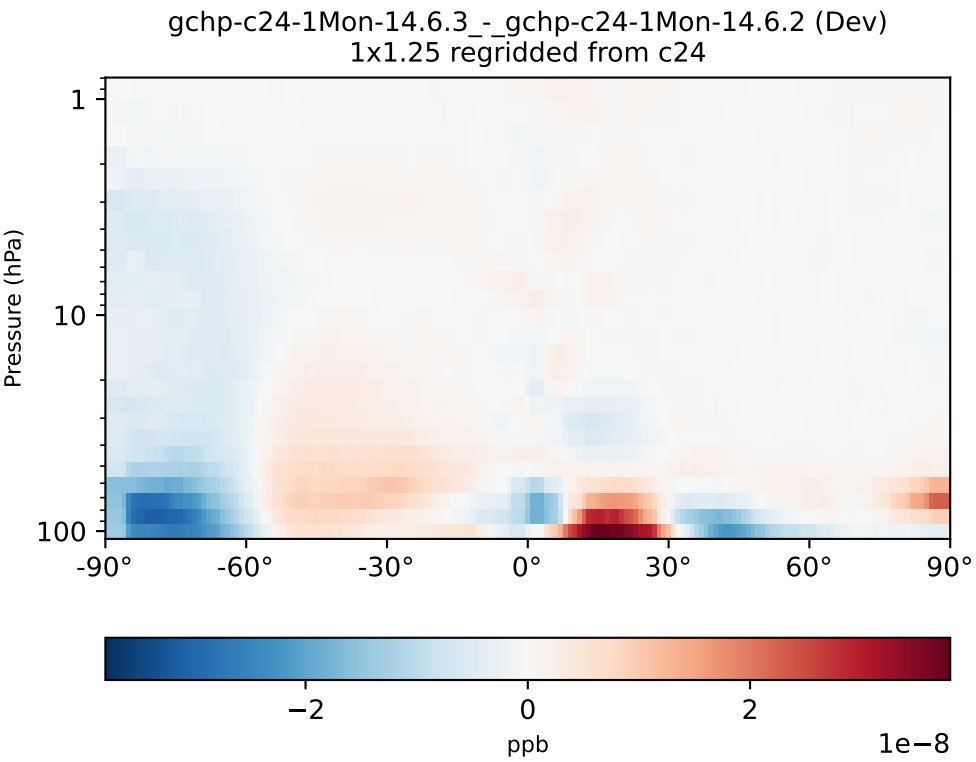
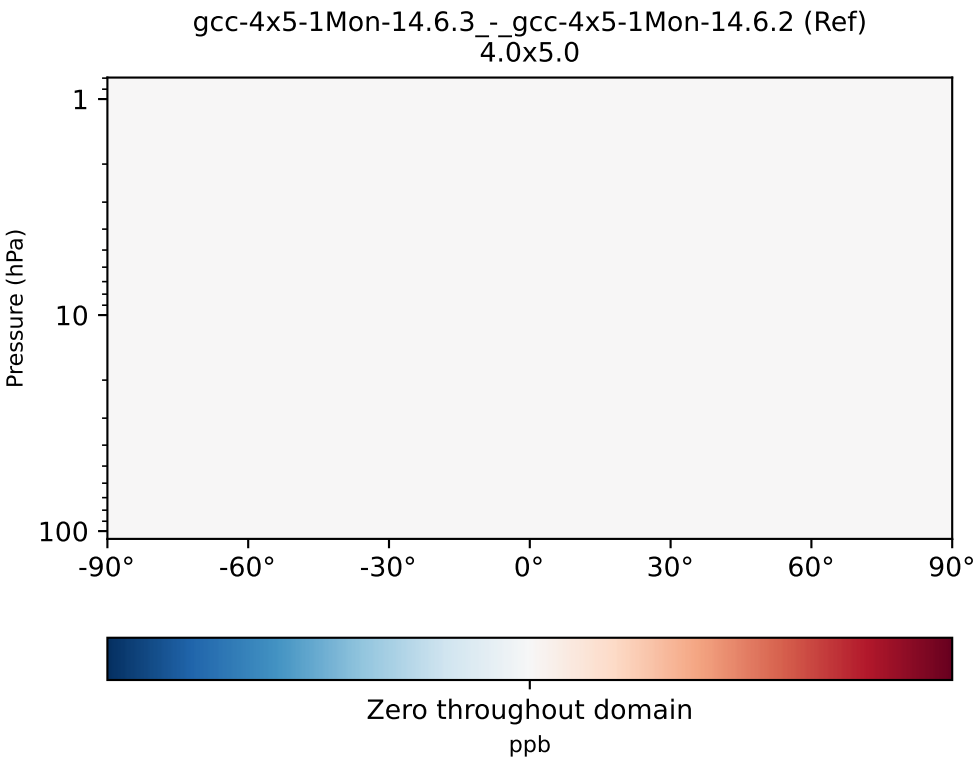
Difference (1x1.25), Dynamic Range
 $\text{GCHP_dev} / \text{GCHP_ref} - \text{GCC_dev} / \text{GCC_ref}$



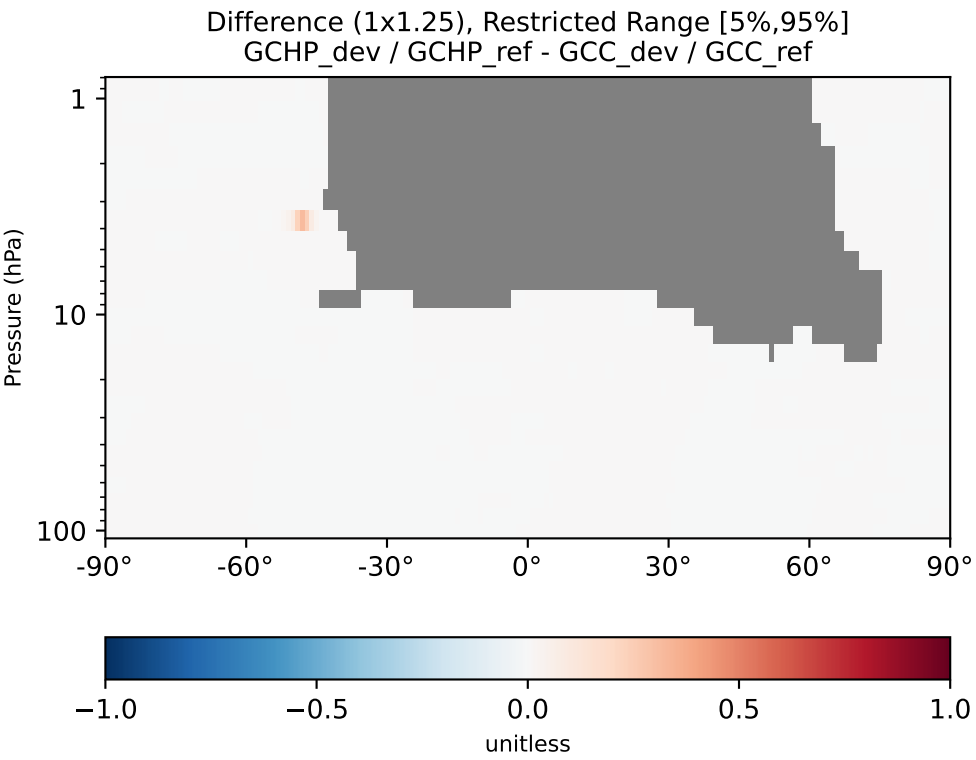
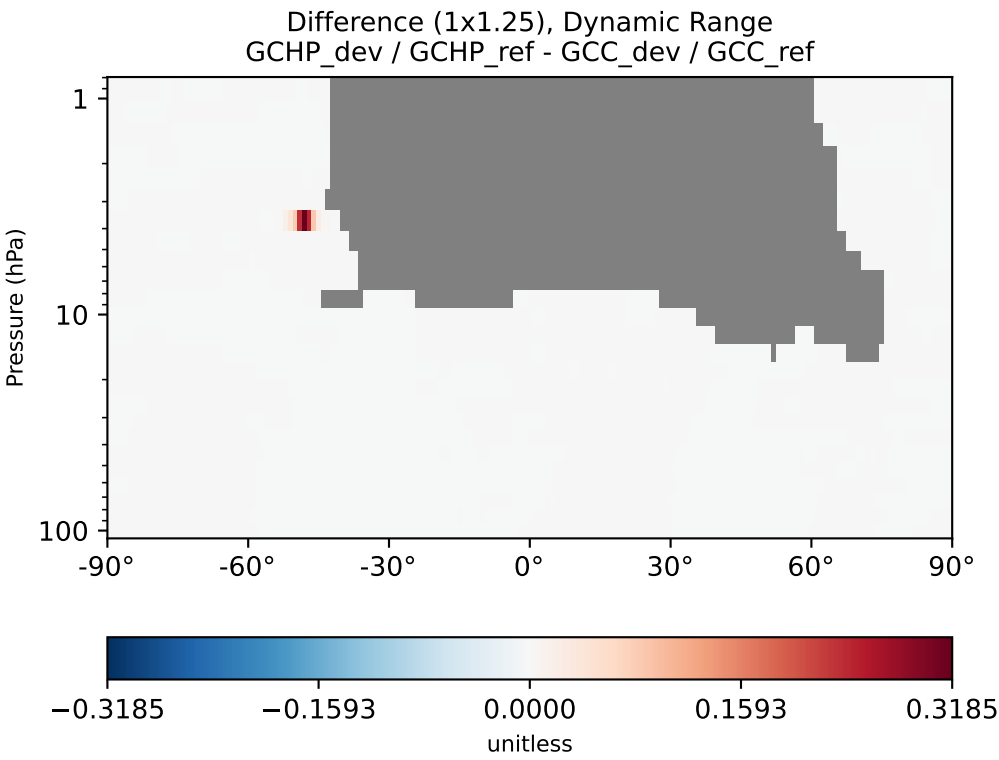
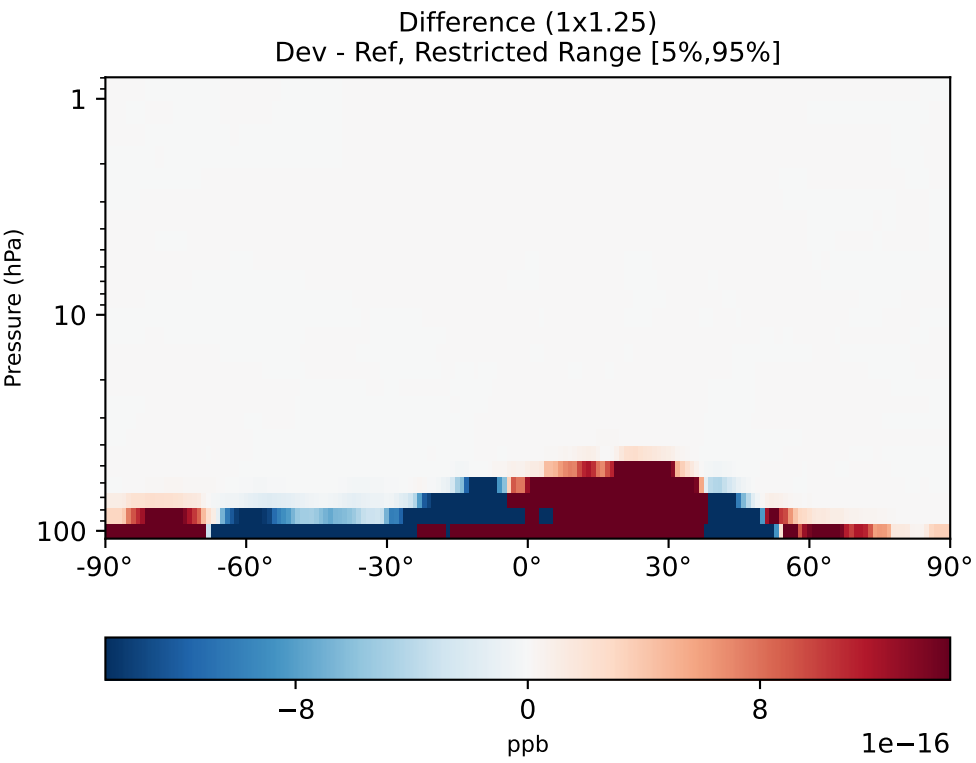
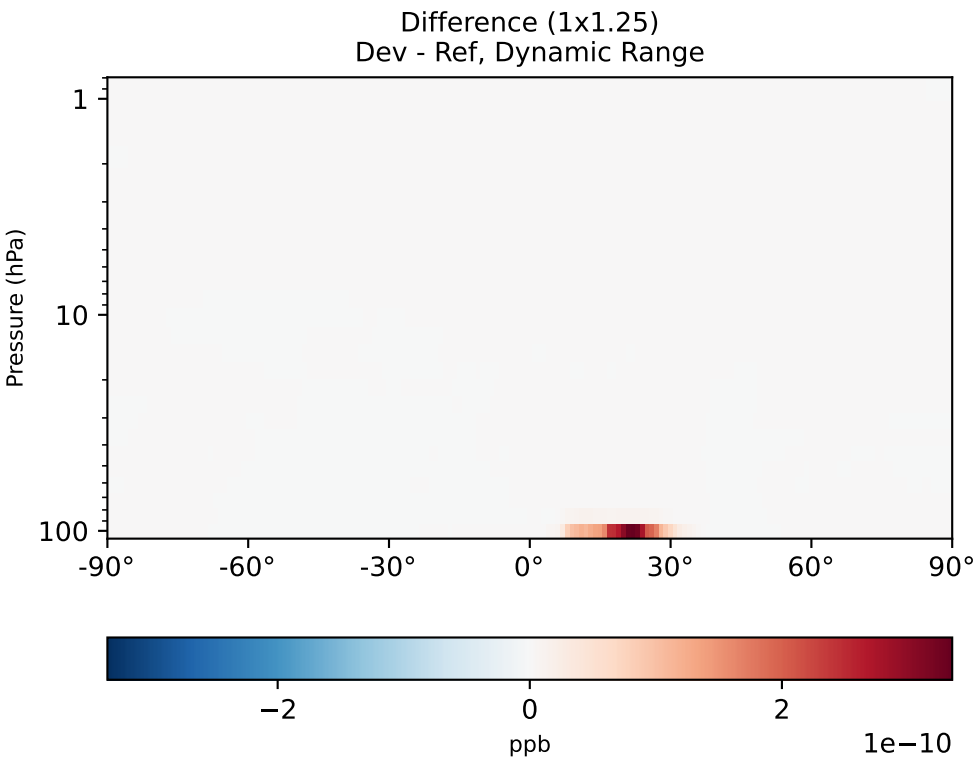
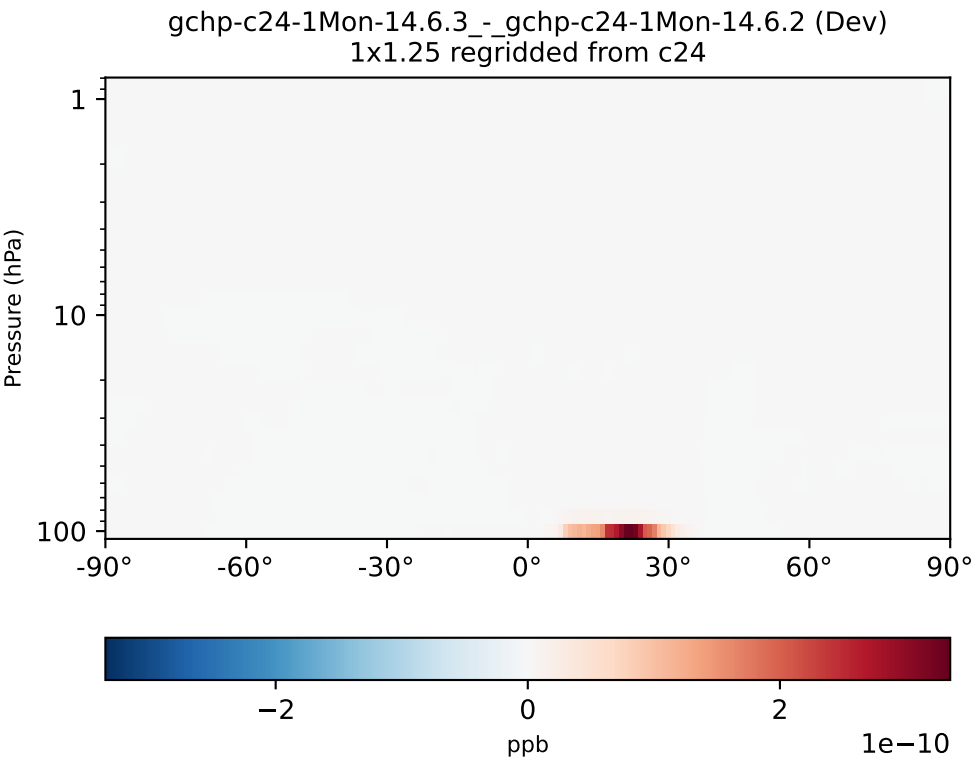
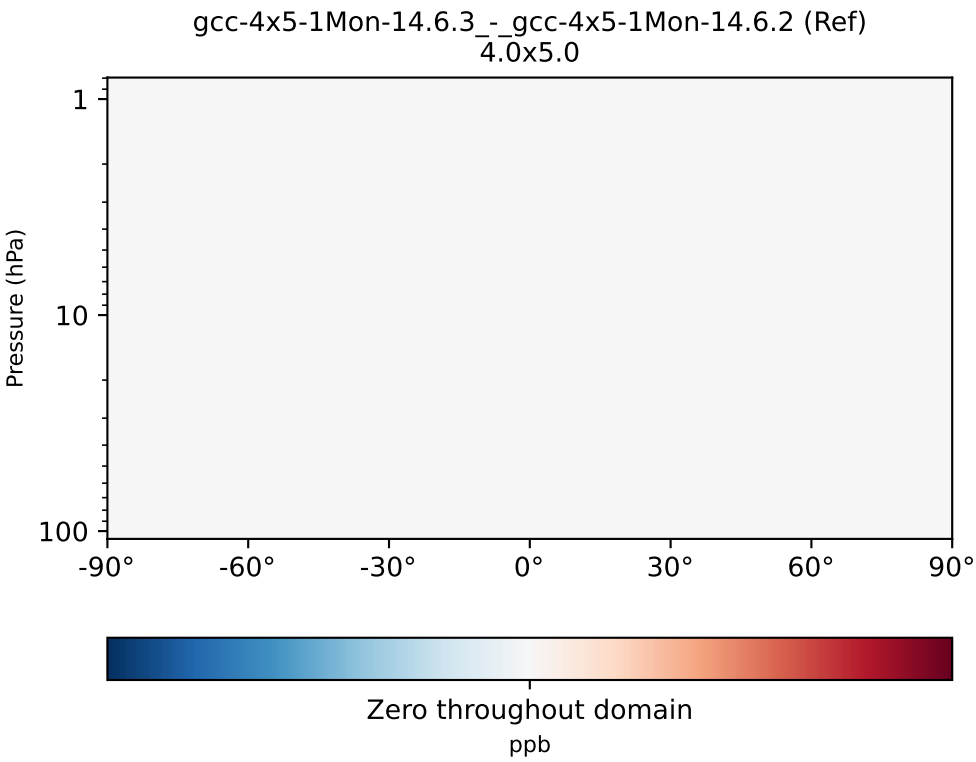
Difference (1x1.25), Restricted Range [5%,95%]
 $\text{GCHP_dev} / \text{GCHP_ref} - \text{GCC_dev} / \text{GCC_ref}$



SpeciesConcVV_OCPI, Zonal Mean

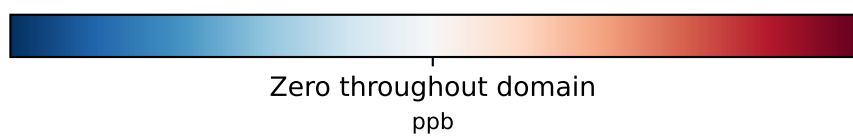
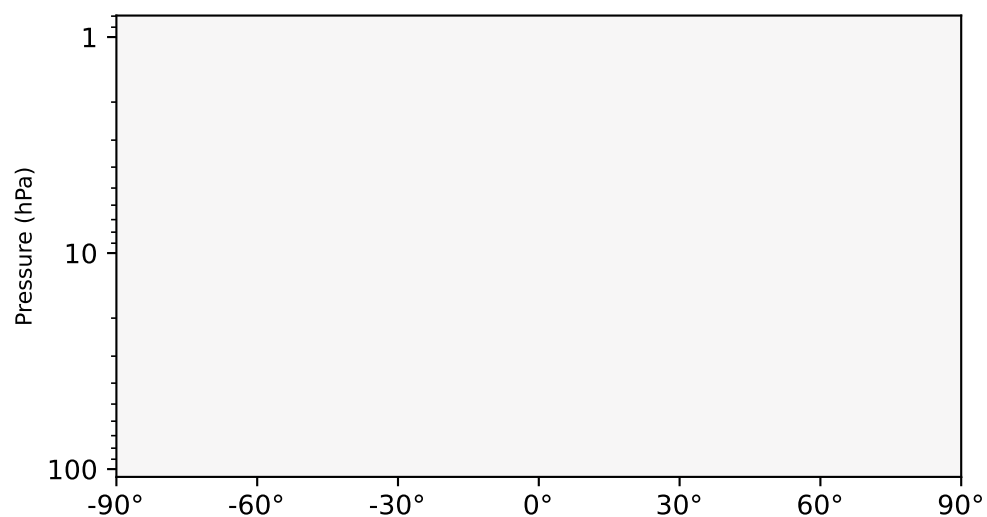


SpeciesConcVV_OCPO, Zonal Mean

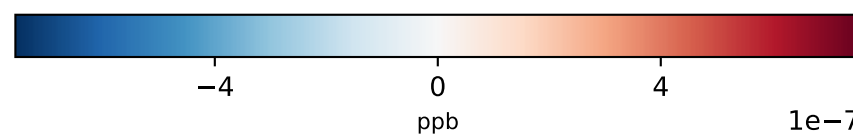
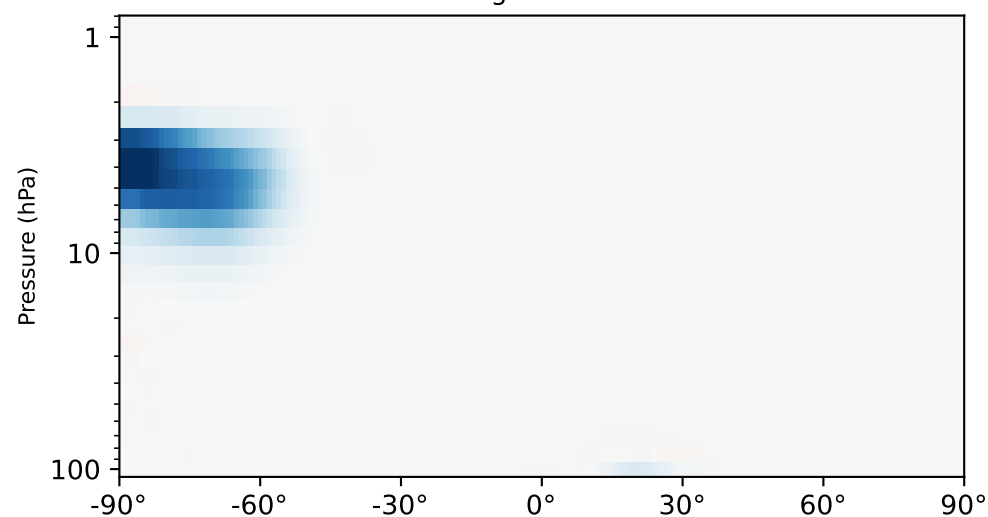


SpeciesConcVV_Complex_SOA, Zonal Mean

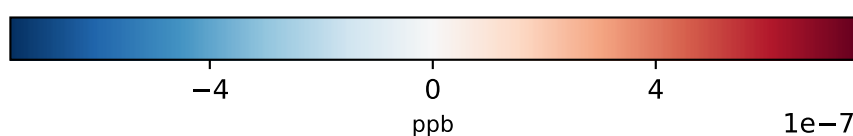
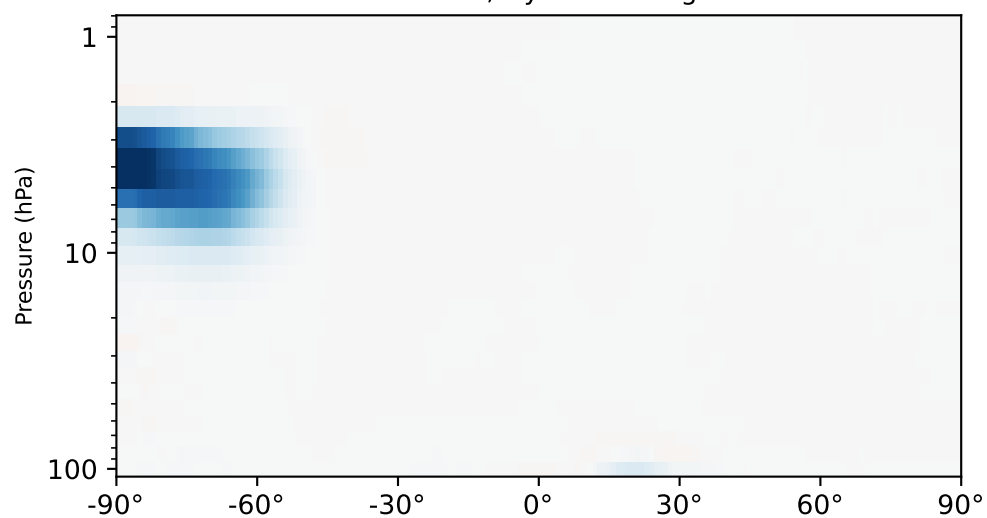
gcc-4x5-1Mon-14.6.3_ - gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0



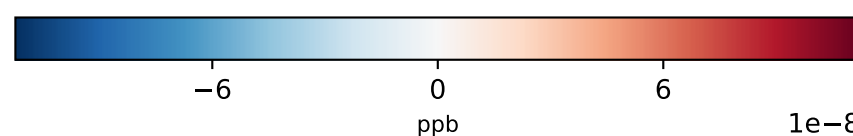
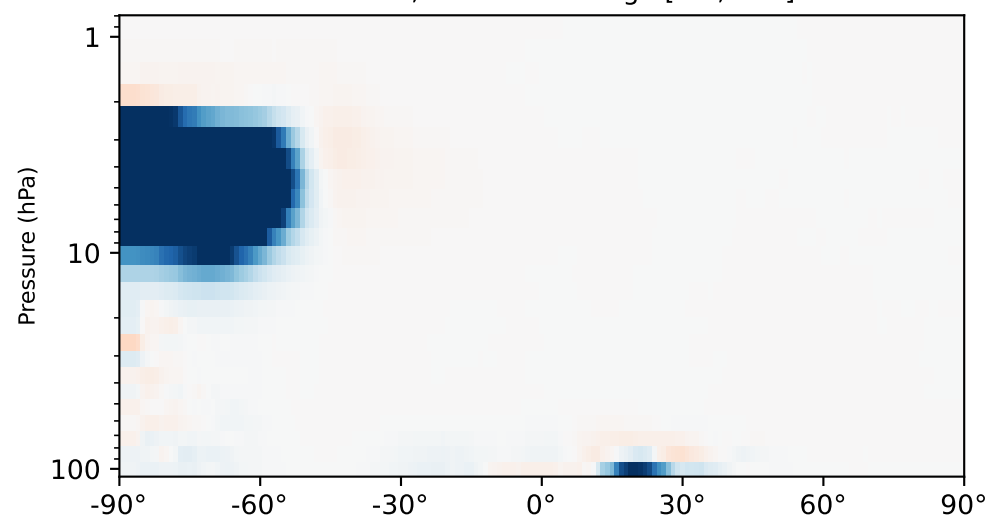
gchp-c24-1Mon-14.6.3_ - gchp-c24-1Mon-14.6.2 (Dev)
1x1.25 regridded from c24



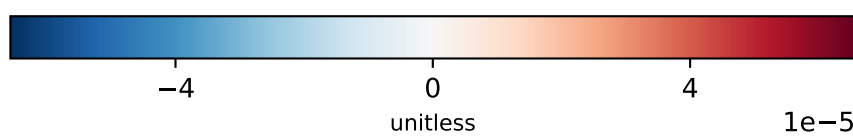
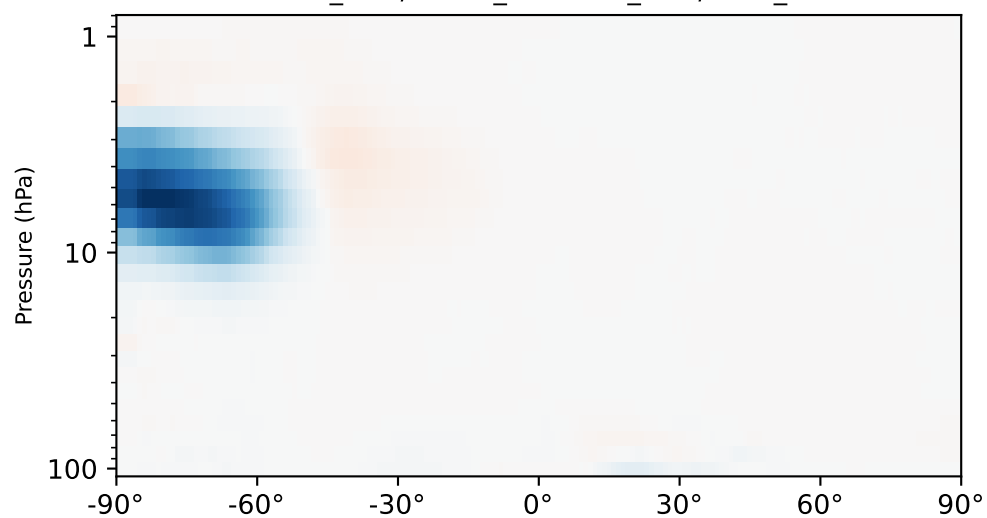
Difference (1x1.25)
Dev - Ref, Dynamic Range



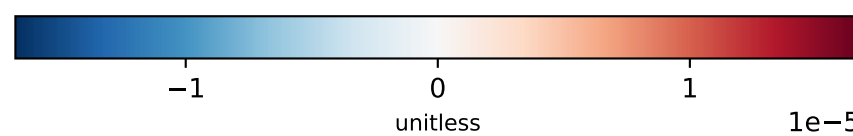
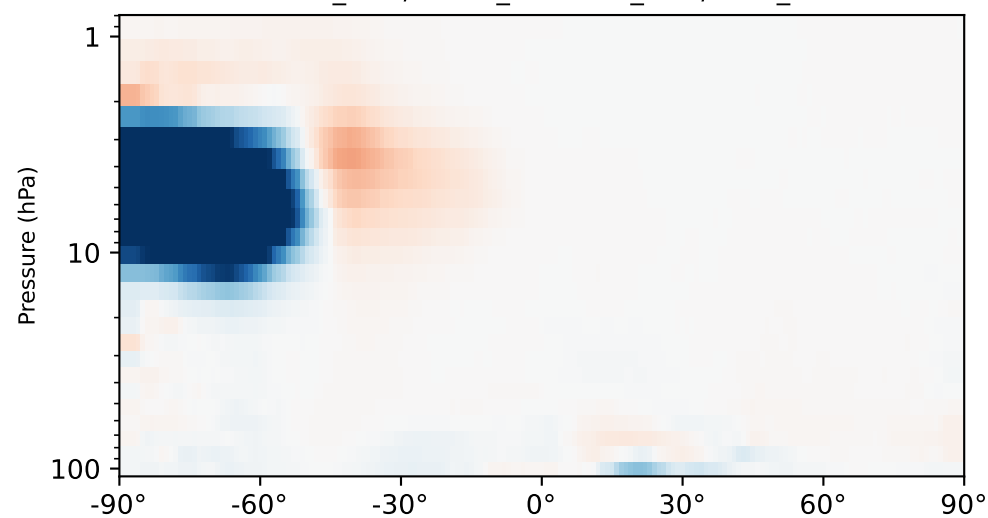
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



Difference (1x1.25), Dynamic Range
GCHP_dev / GCHP_ref - GCC_dev / GCC_ref

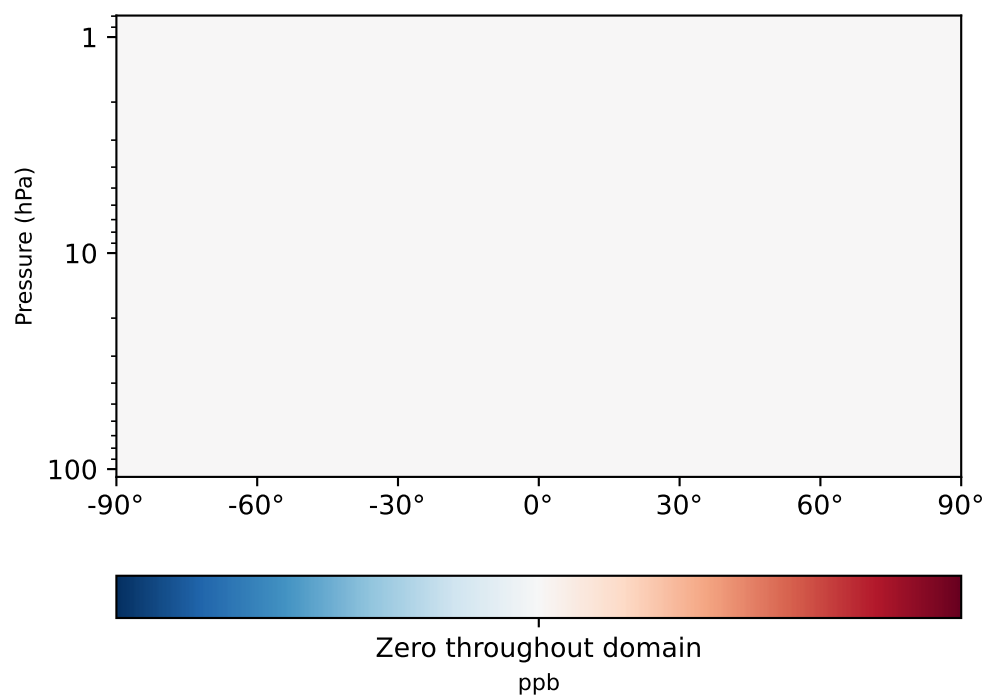


Difference (1x1.25), Restricted Range [5%,95%]
GCHP_dev / GCHP_ref - GCC_dev / GCC_ref

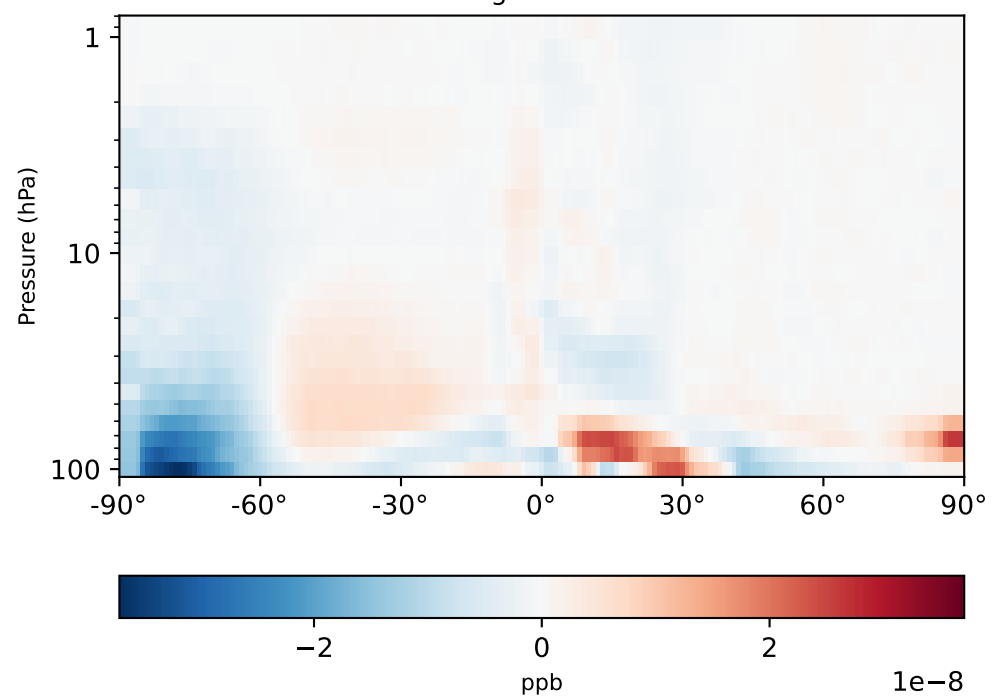


SpeciesConcVV_Simple_SOA, Zonal Mean

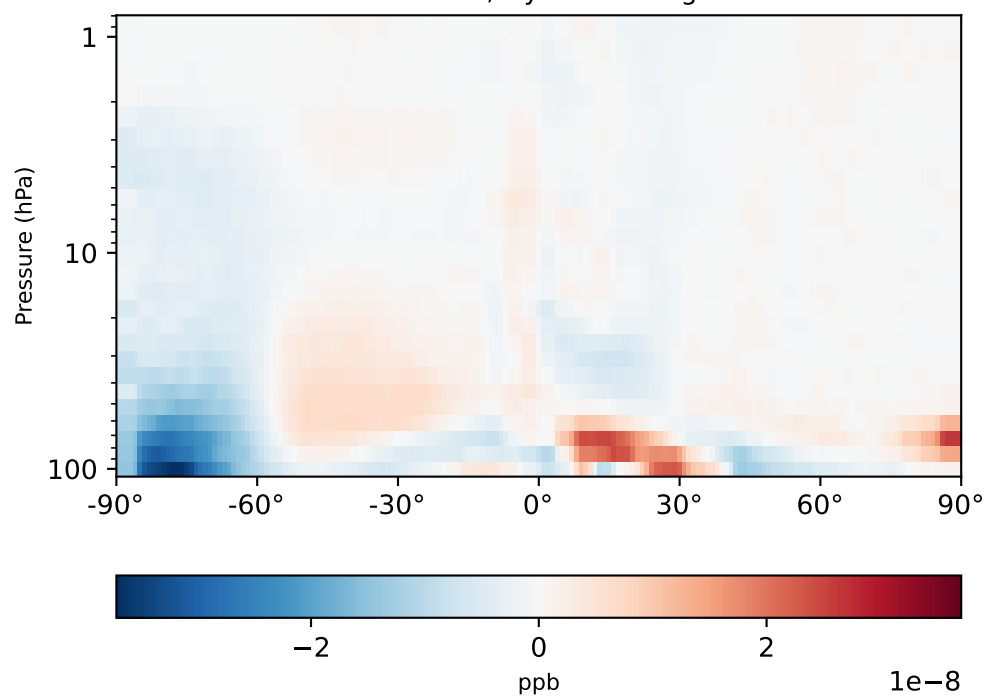
gcc-4x5-1Mon-14.6.3_ - gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0



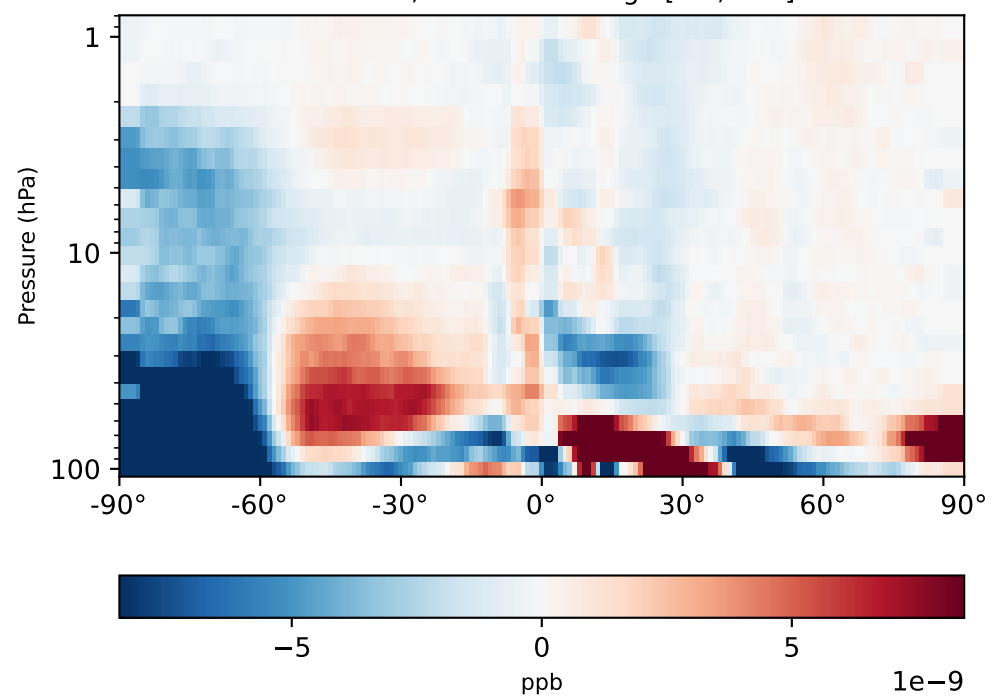
gchp-c24-1Mon-14.6.3_ - gchp-c24-1Mon-14.6.2 (Dev)
1x1.25 regridded from c24



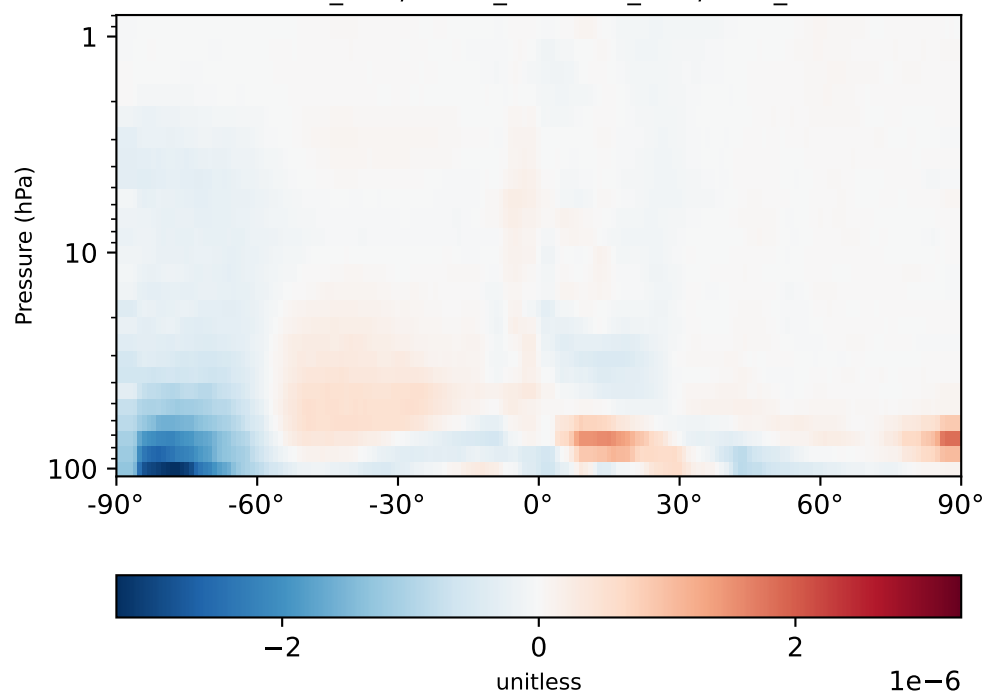
Difference (1x1.25)
Dev - Ref, Dynamic Range



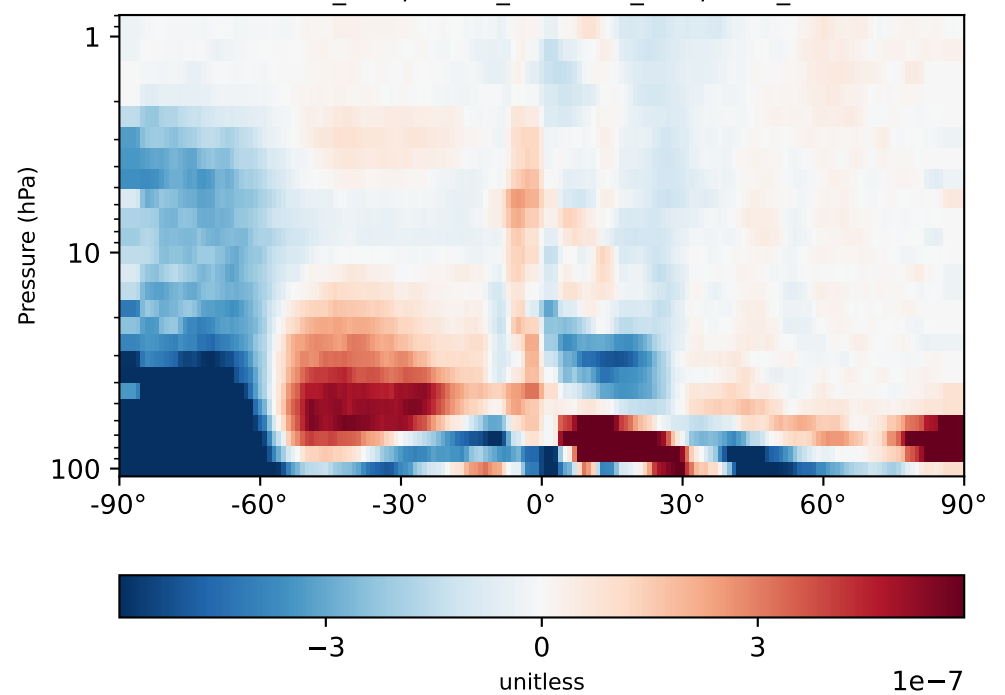
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



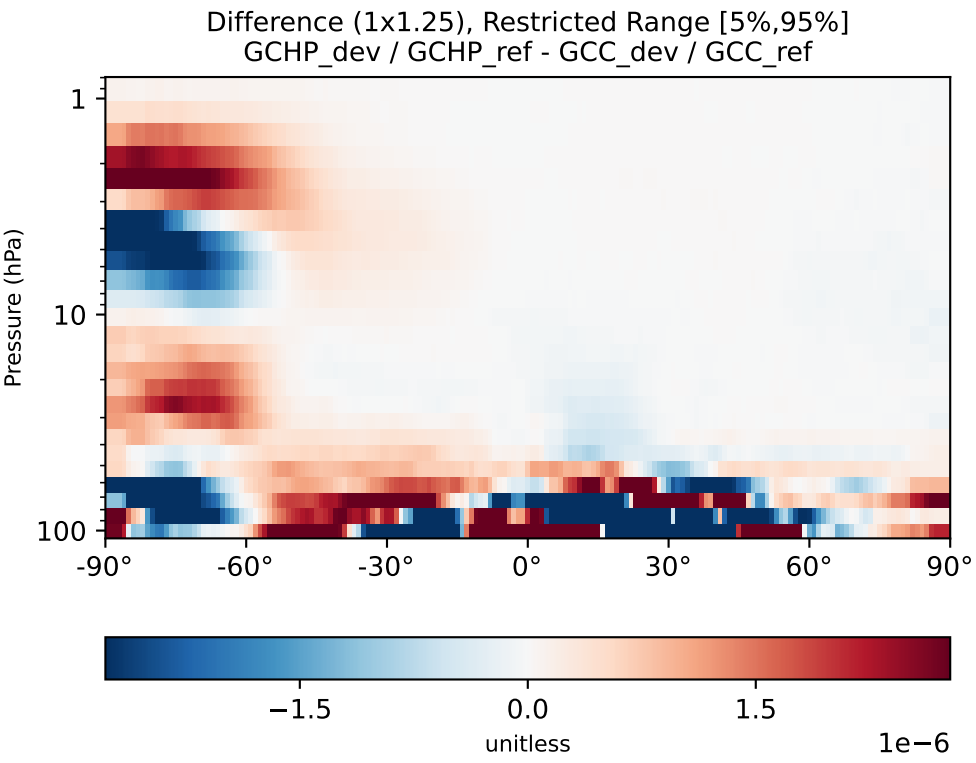
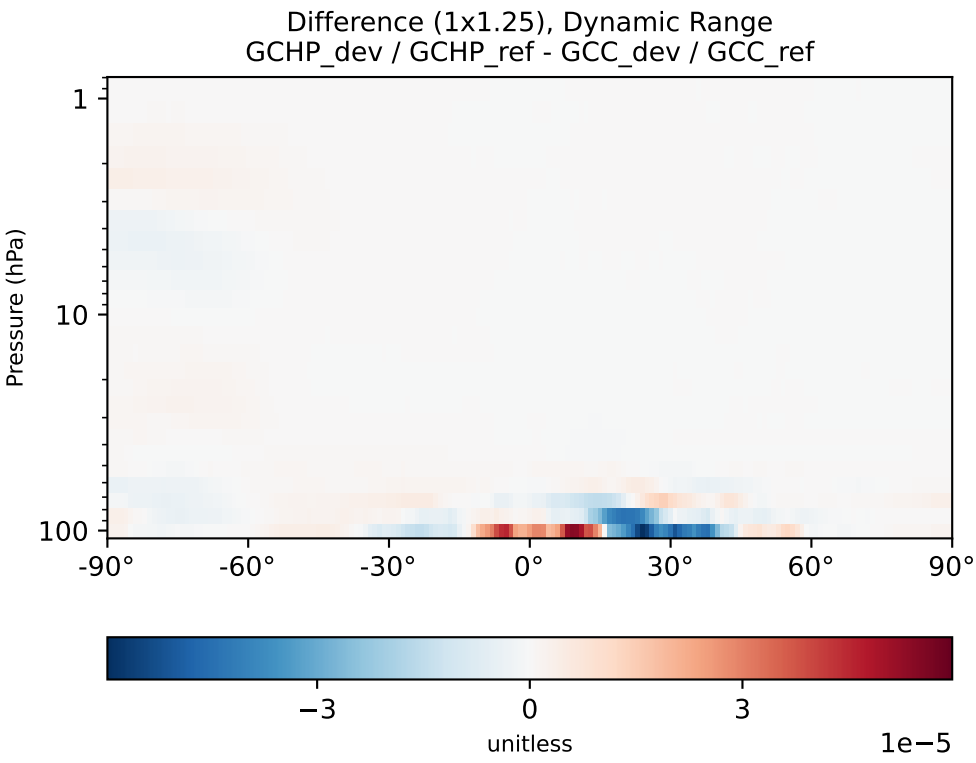
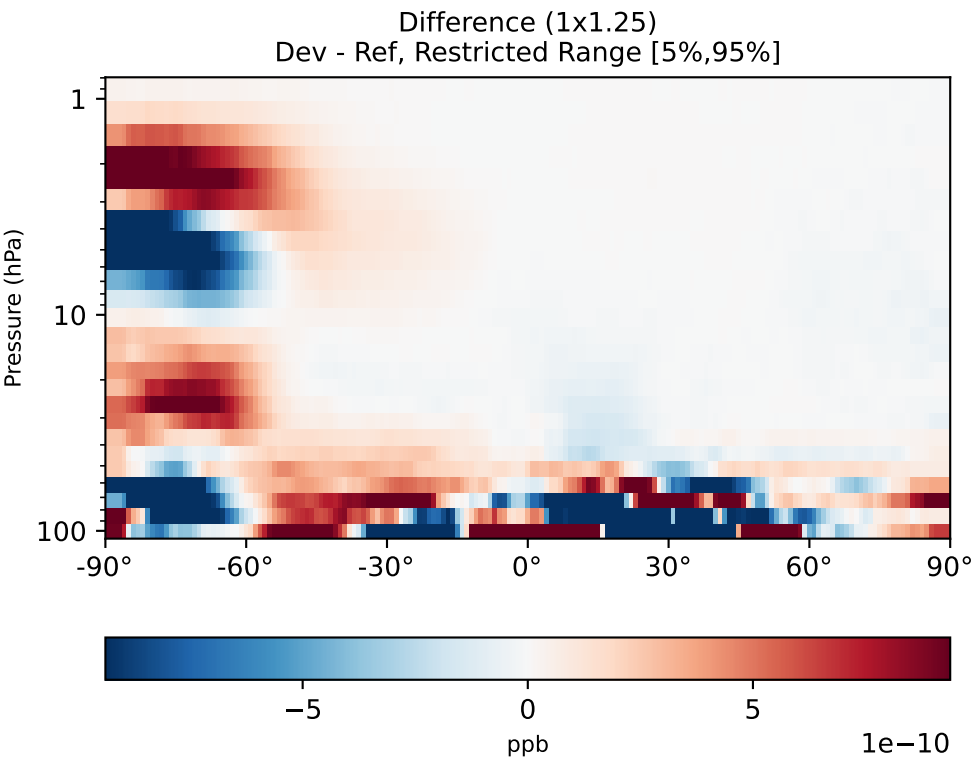
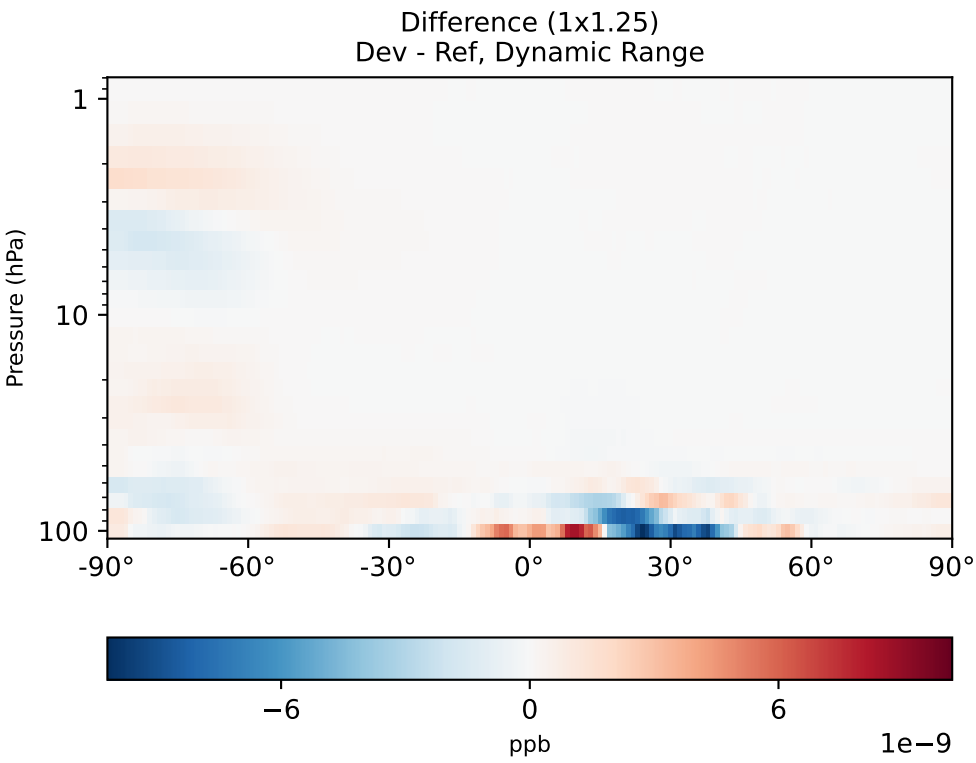
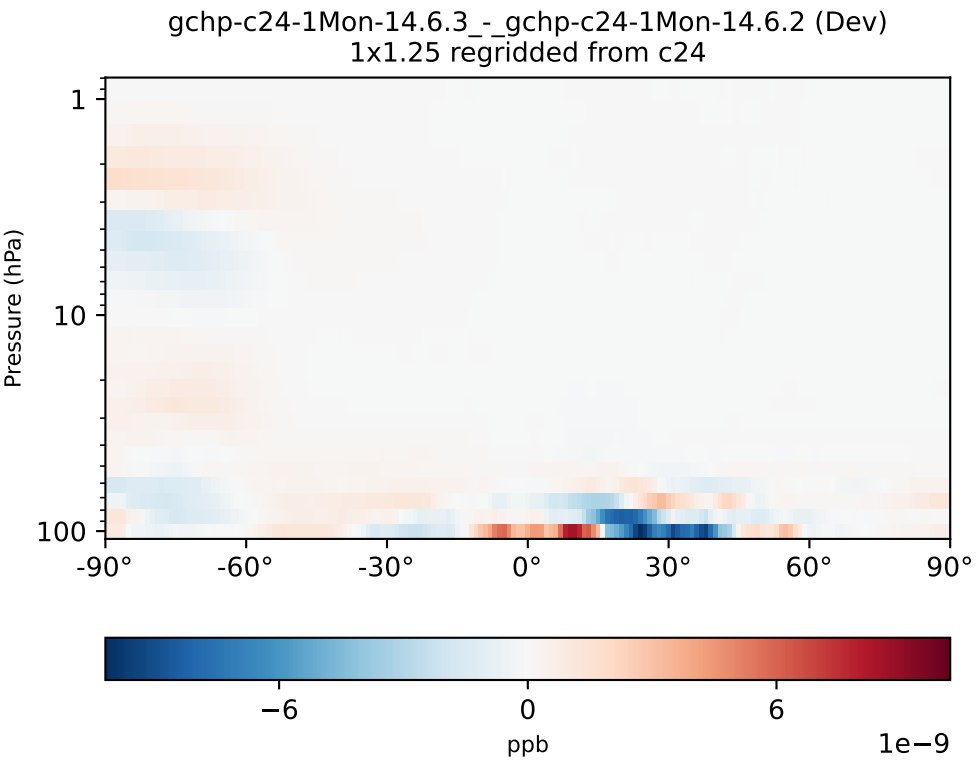
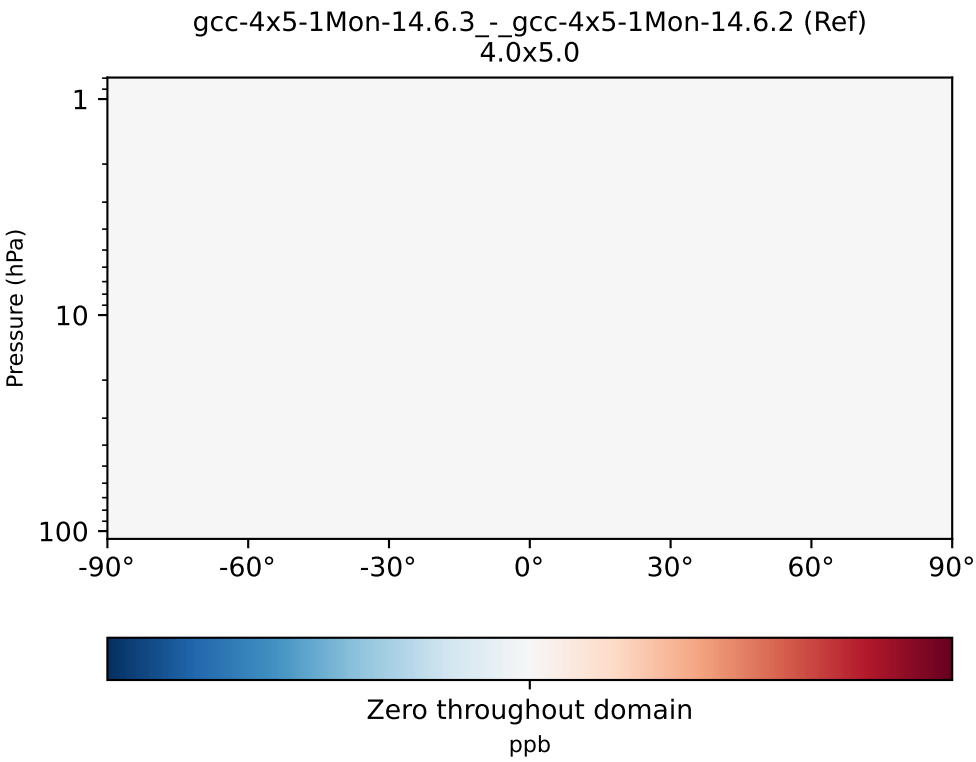
Difference (1x1.25), Dynamic Range
GCHP_dev / GCHP_ref - GCC_dev / GCC_ref



Difference (1x1.25), Restricted Range [5%,95%]
GCHP_dev / GCHP_ref - GCC_dev / GCC_ref

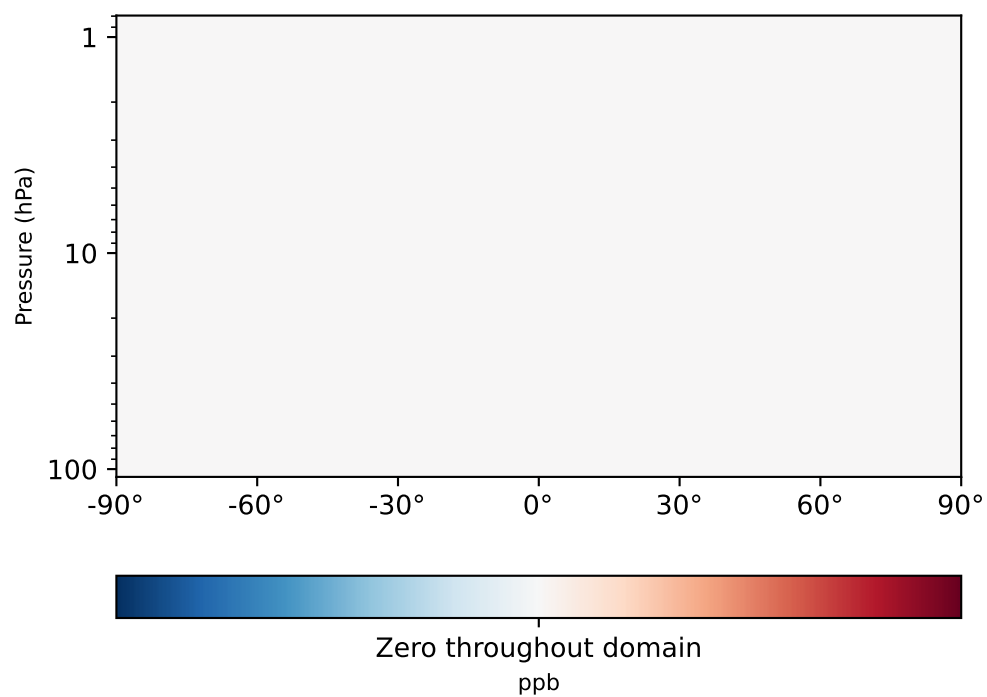


SpeciesConcVV_AERI, Zonal Mean

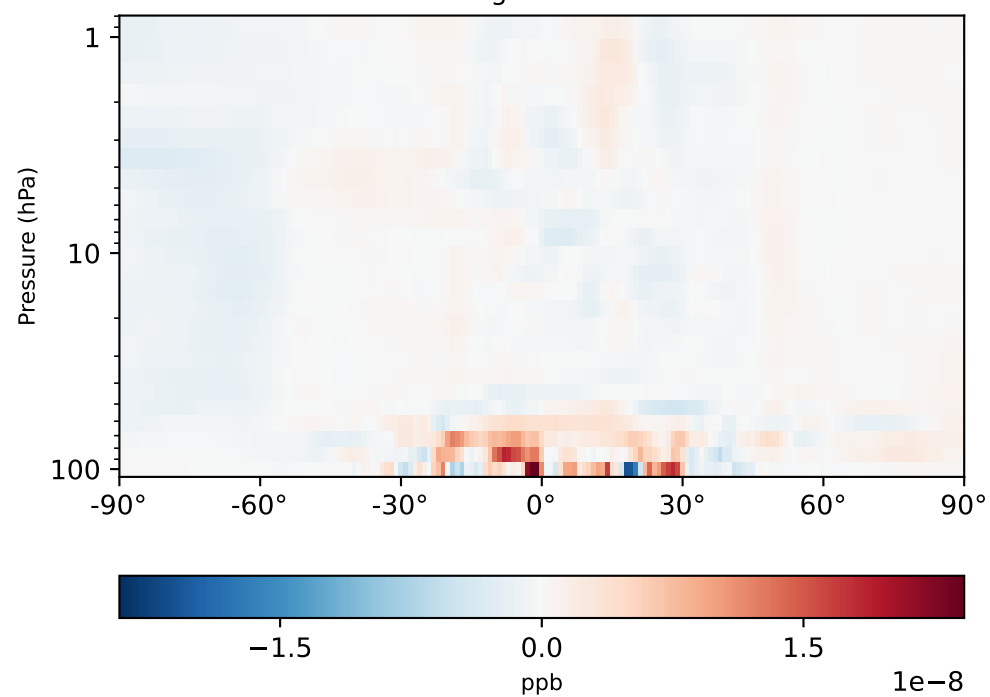


SpeciesConcVV_BrSALA, Zonal Mean

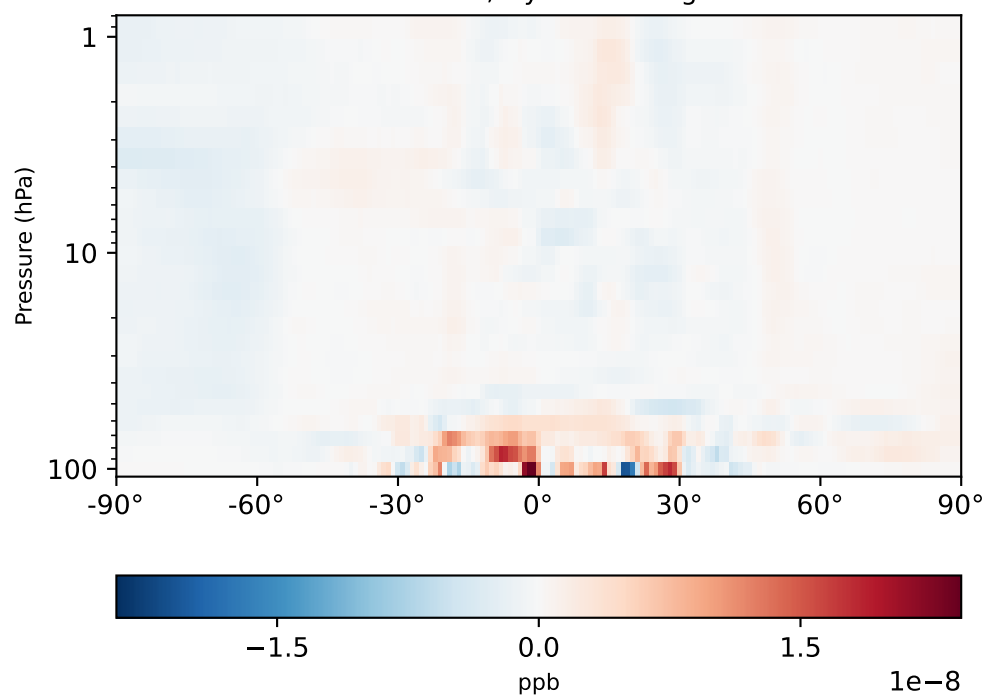
gcc-4x5-1Mon-14.6.3_-gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0



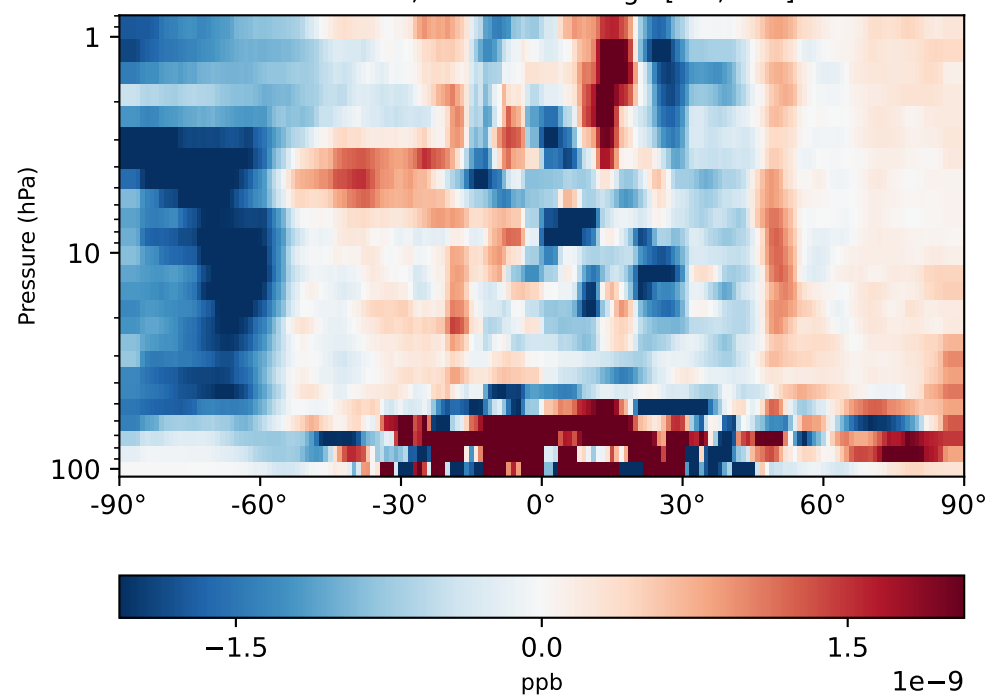
gchp-c24-1Mon-14.6.3_-gchp-c24-1Mon-14.6.2 (Dev)
1x1.25 regridded from c24



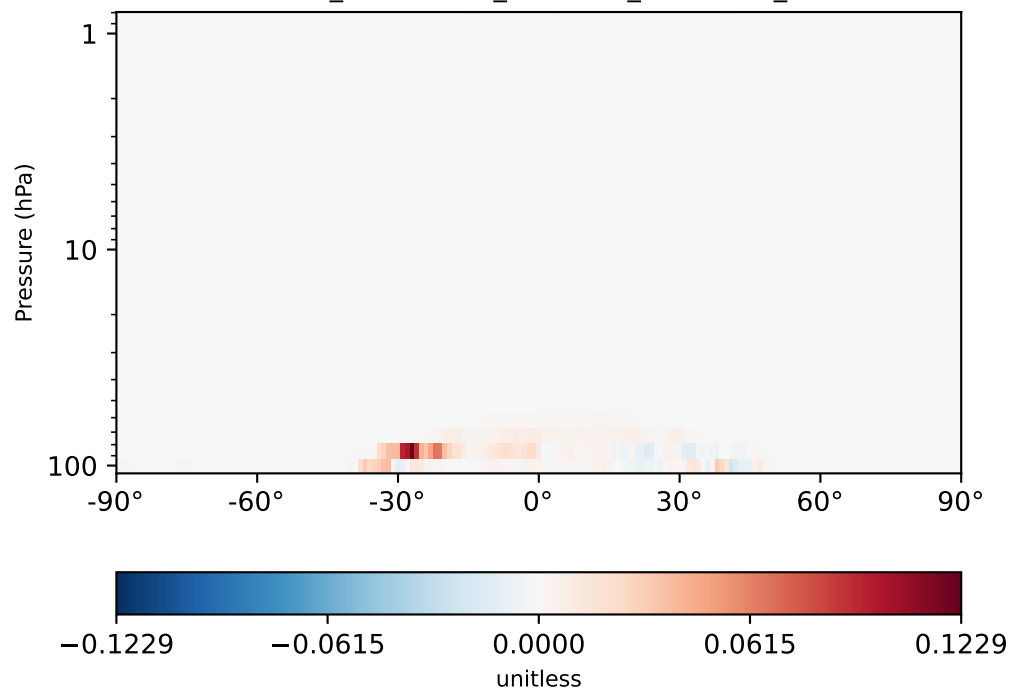
Difference (1x1.25)
Dev - Ref, Dynamic Range



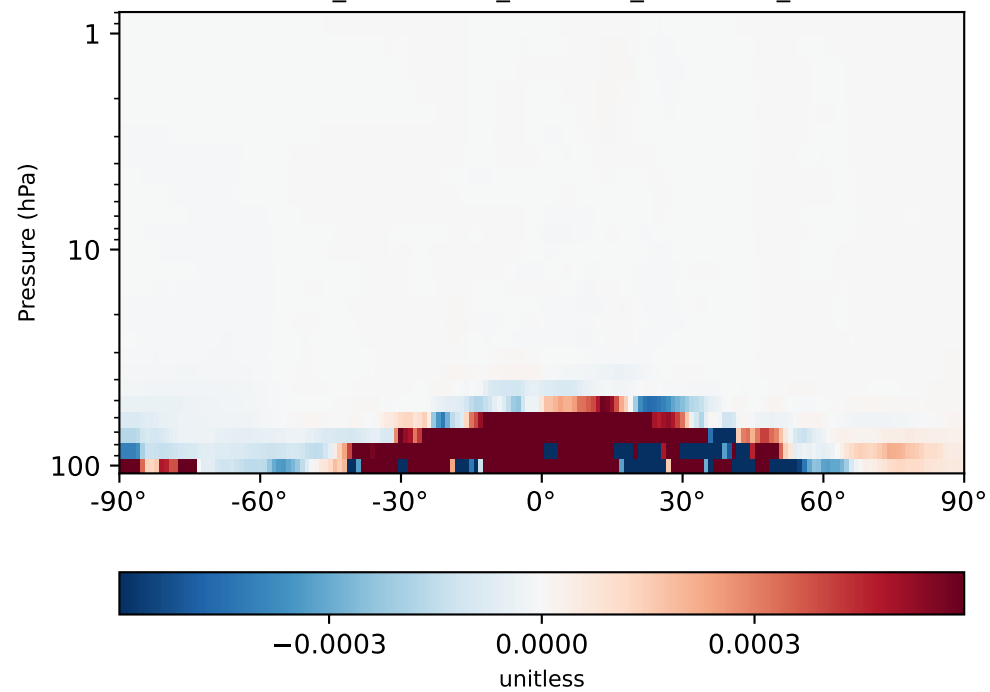
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



Difference (1x1.25), Dynamic Range
GCHP_dev / GCHP_ref - GCC_dev / GCC_ref

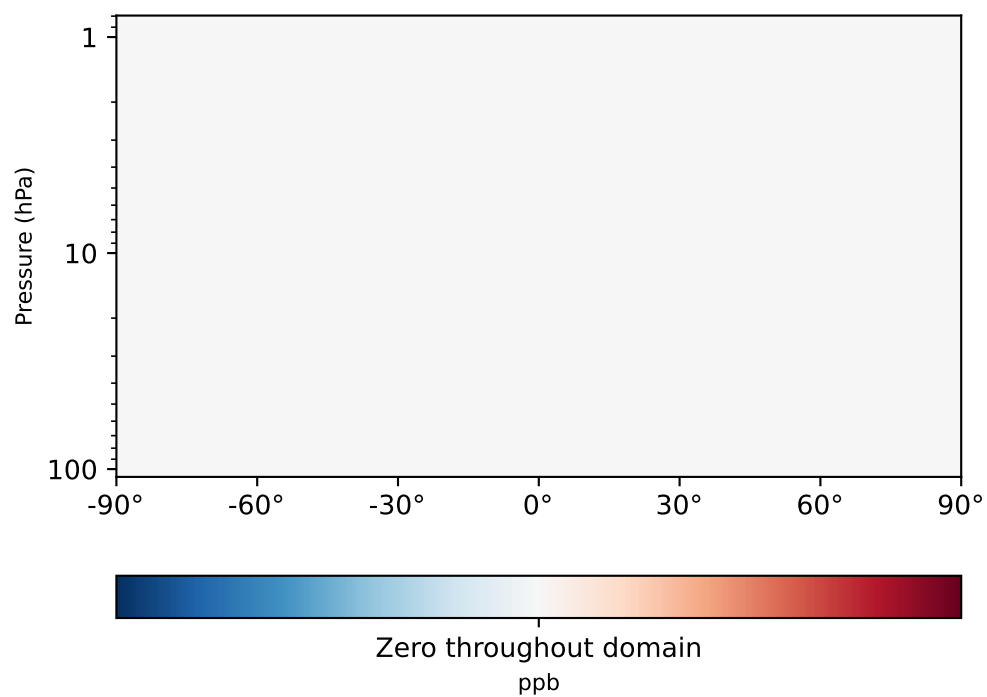


Difference (1x1.25), Restricted Range [5%,95%]
GCHP_dev / GCHP_ref - GCC_dev / GCC_ref

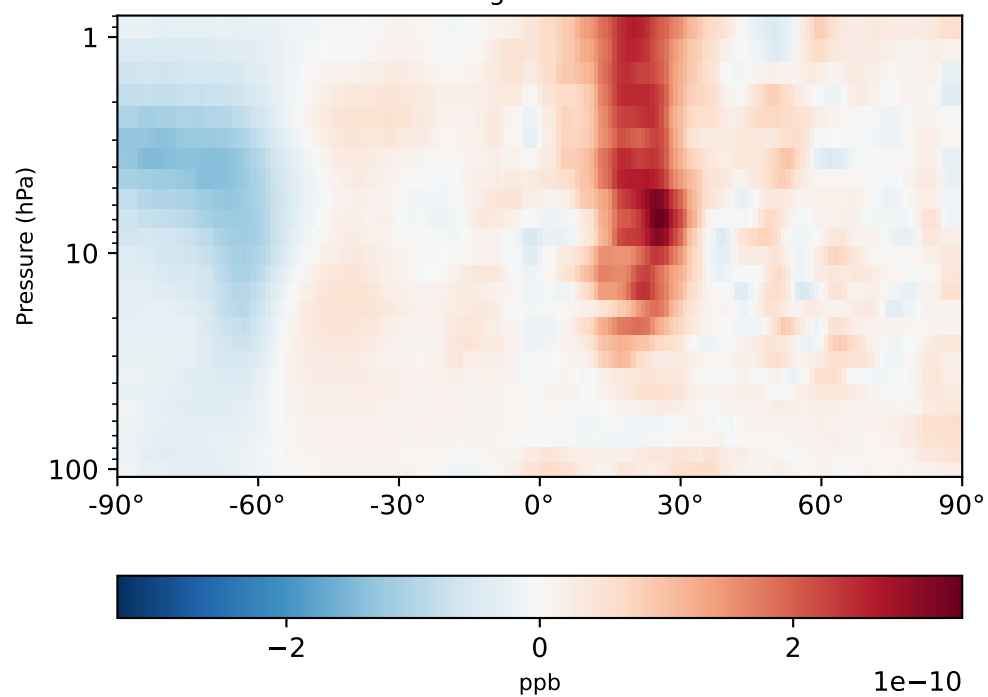


SpeciesConcVV_BrSALC, Zonal Mean

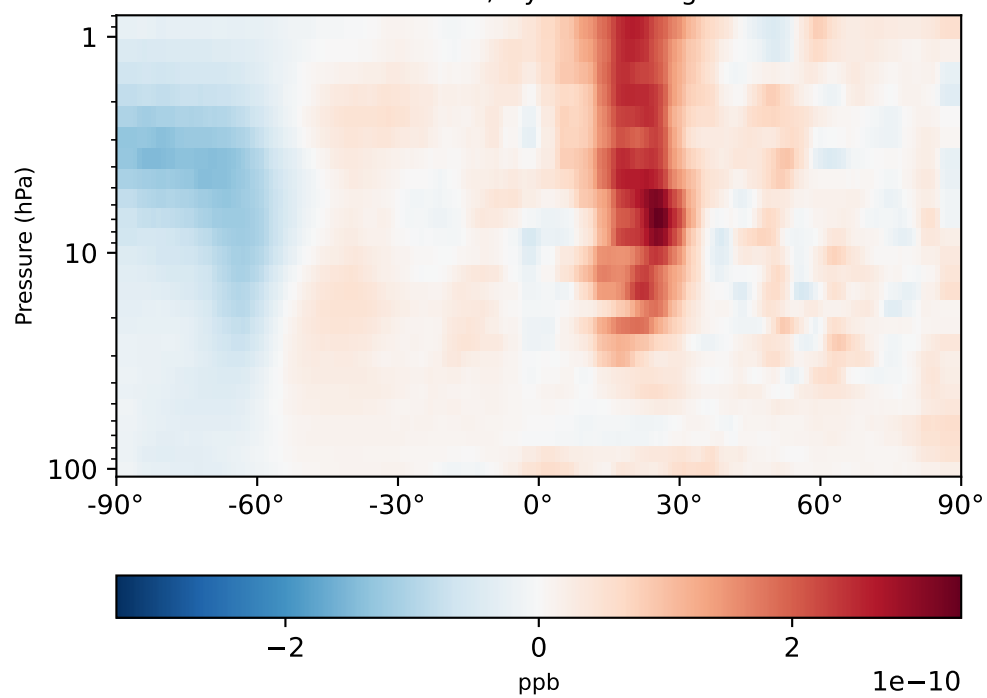
gcc-4x5-1Mon-14.6.3 - gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0



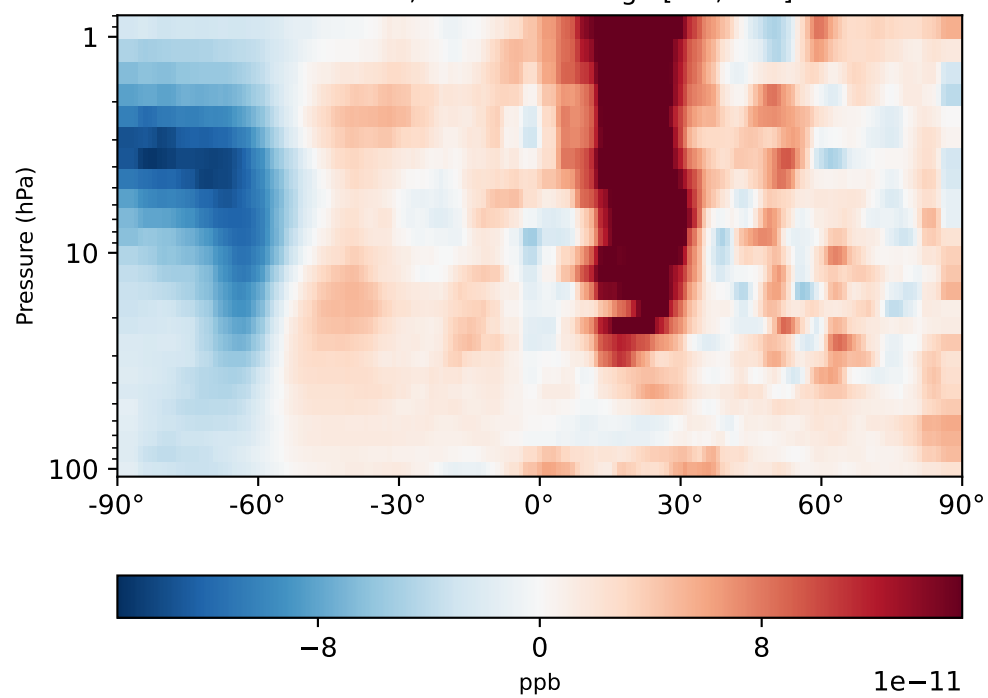
gchp-c24-1Mon-14.6.3 - gchp-c24-1Mon-14.6.2 (Dev)
1x1.25 regridded from c24



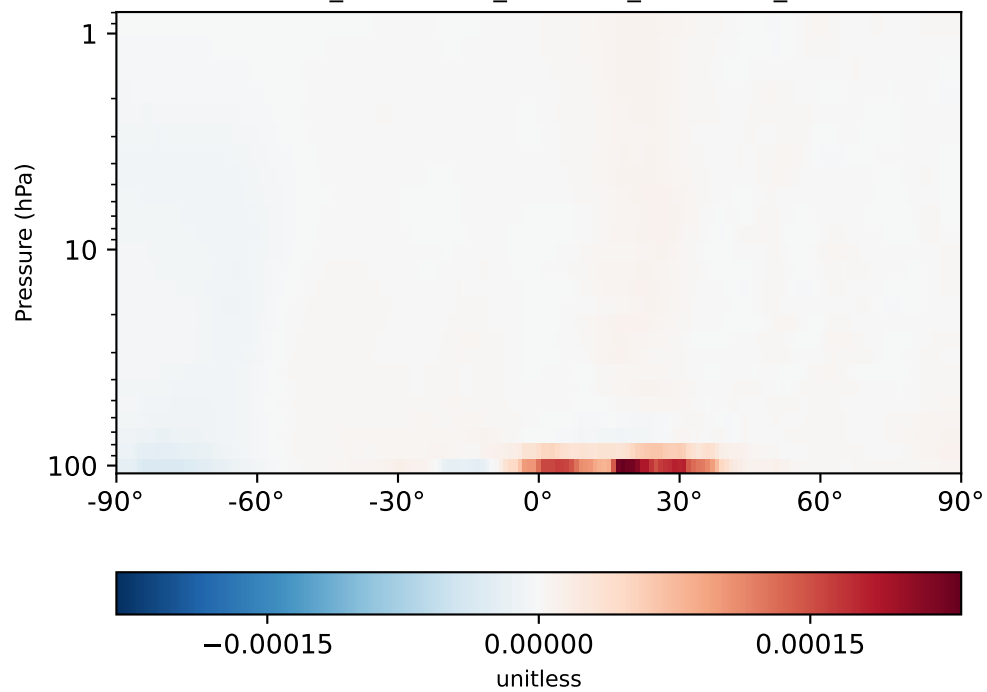
Difference (1x1.25)
Dev - Ref, Dynamic Range



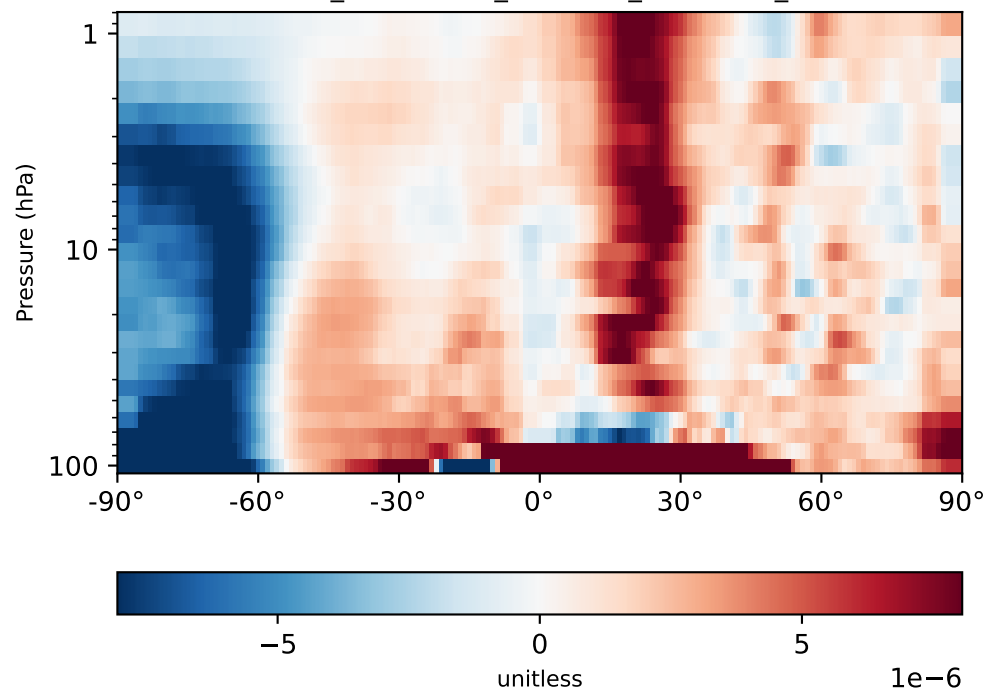
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



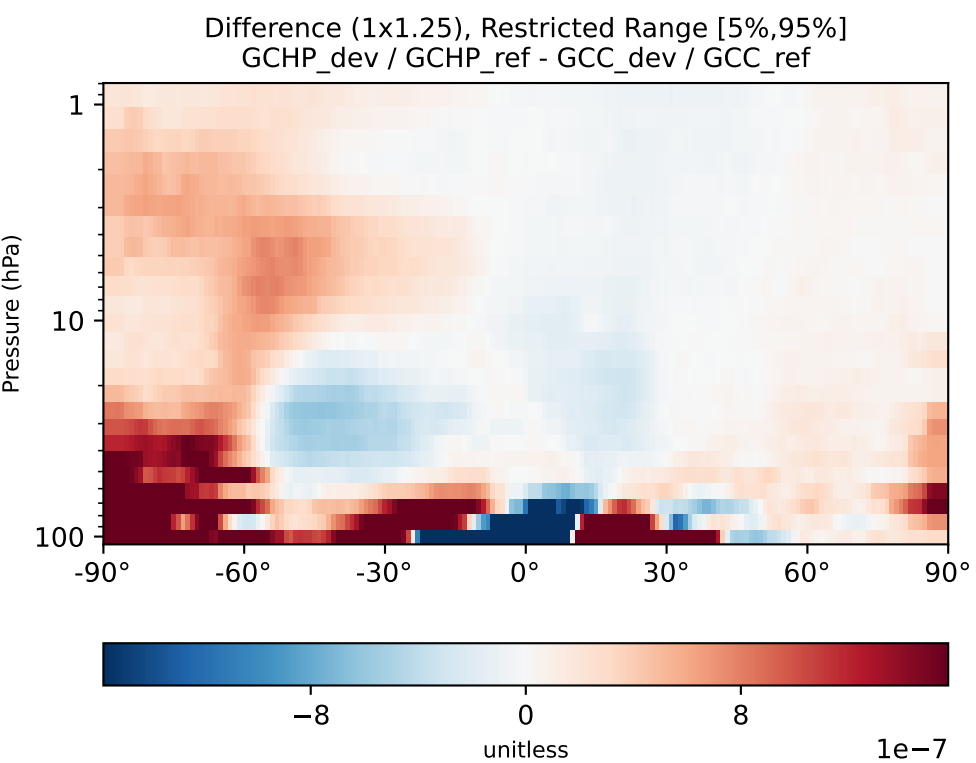
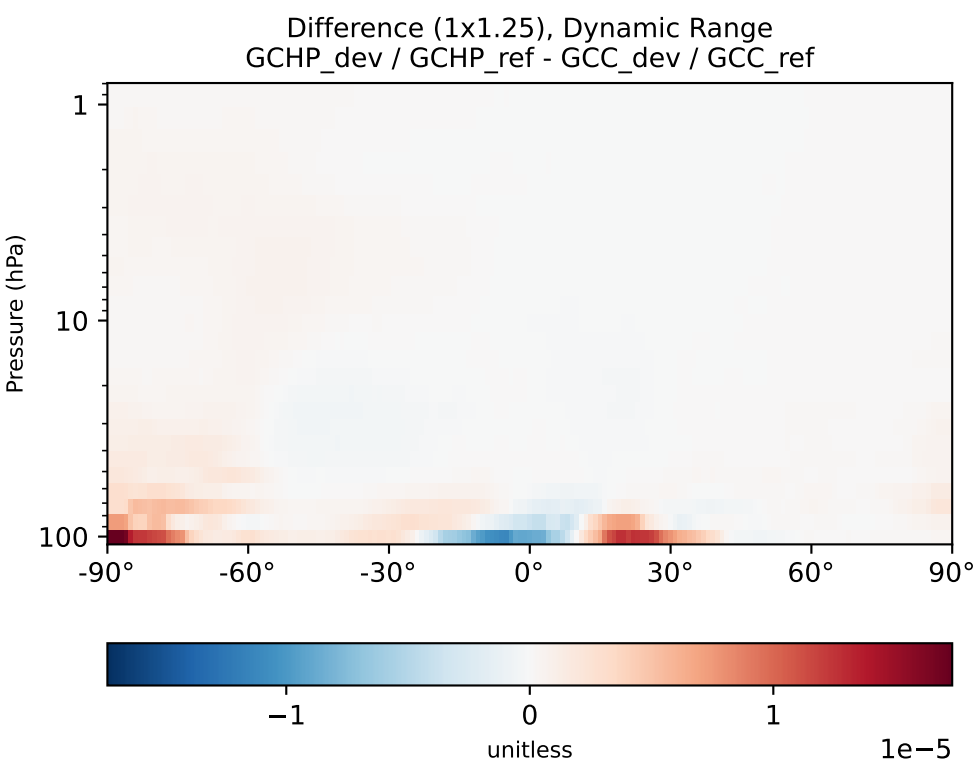
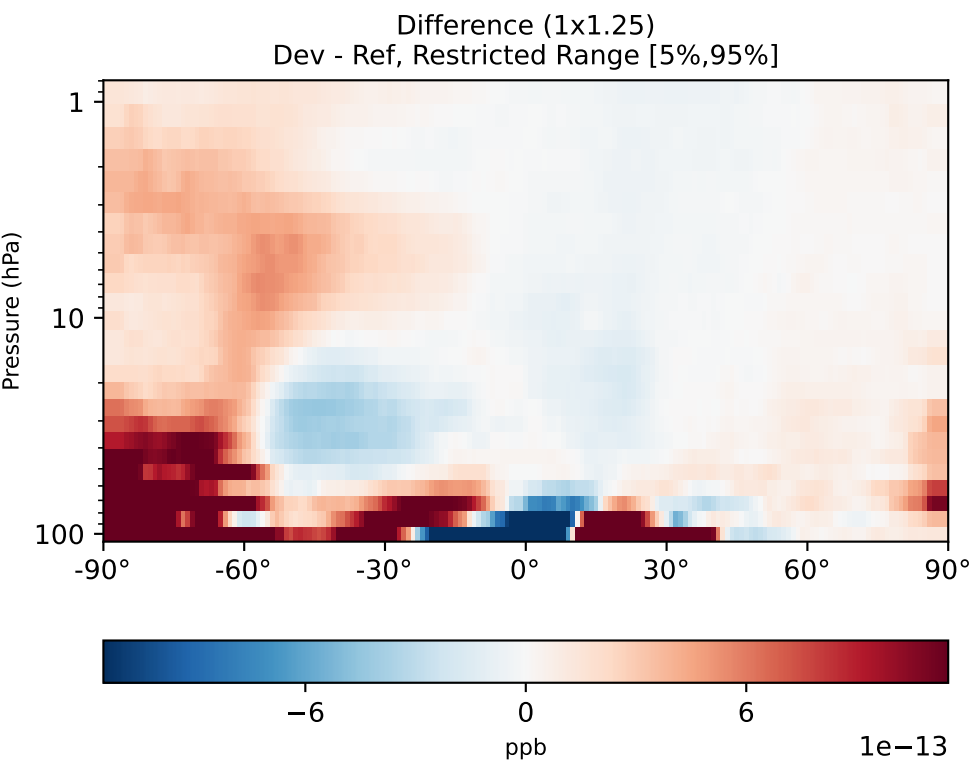
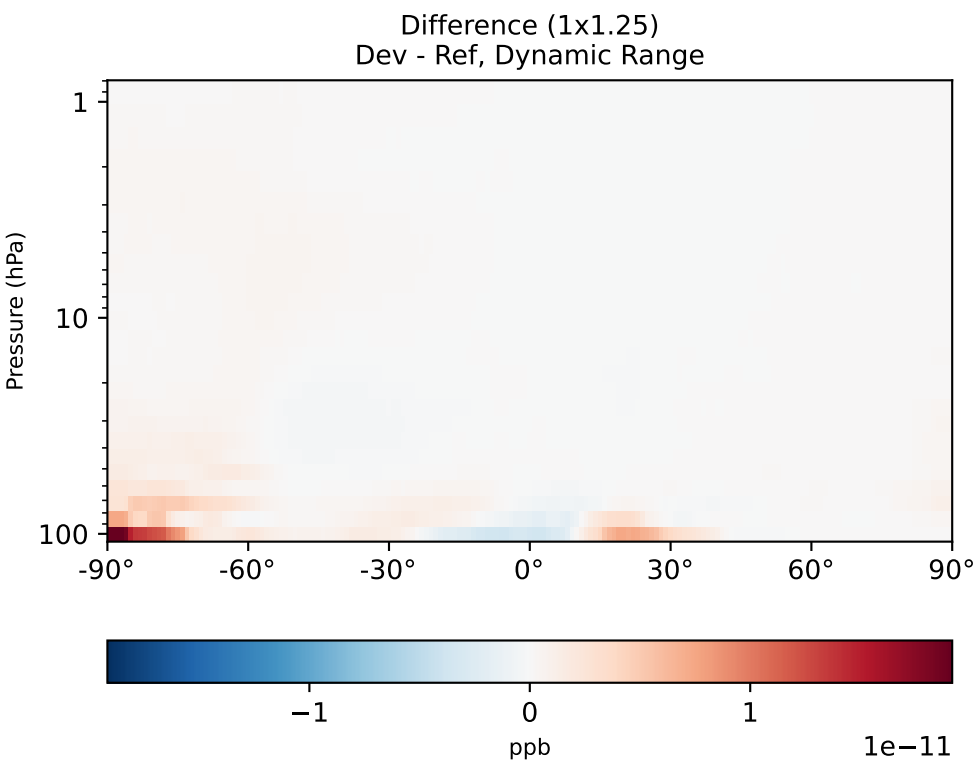
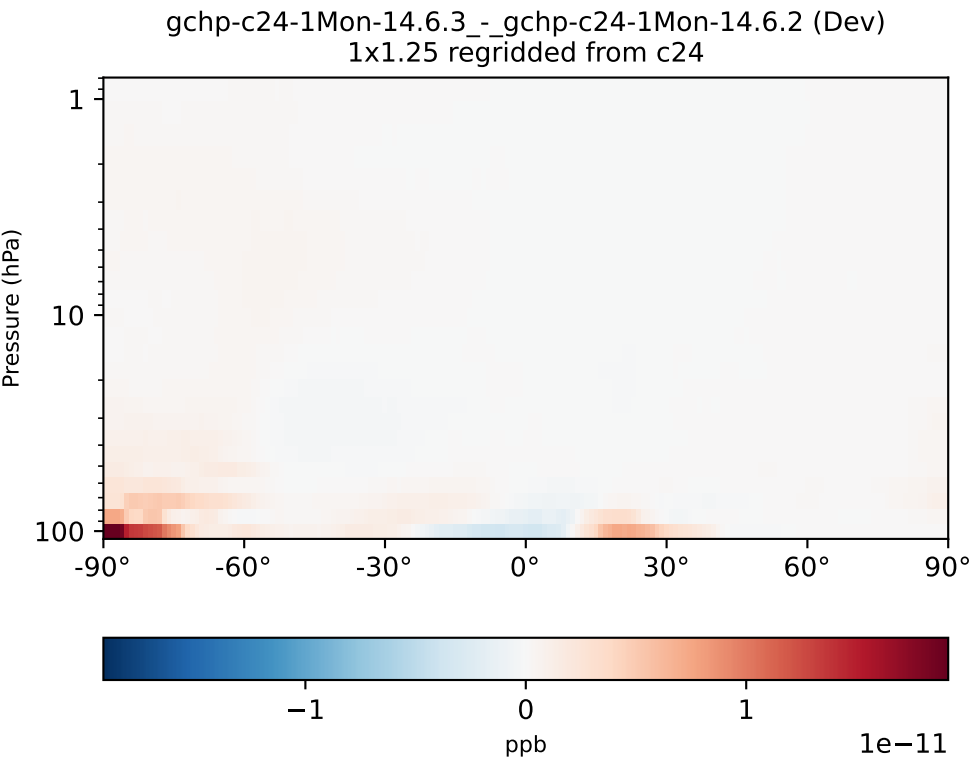
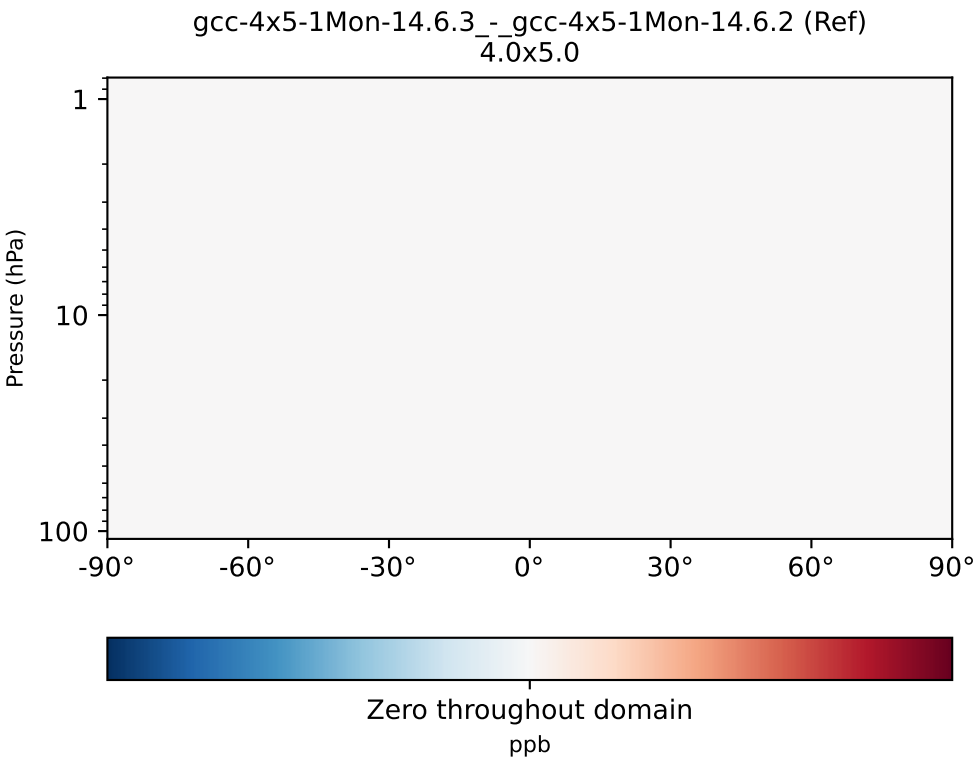
Difference (1x1.25), Dynamic Range
GCHP_dev / GCHP_ref - GCC_dev / GCC_ref



Difference (1x1.25), Restricted Range [5%,95%]
GCHP_dev / GCHP_ref - GCC_dev / GCC_ref

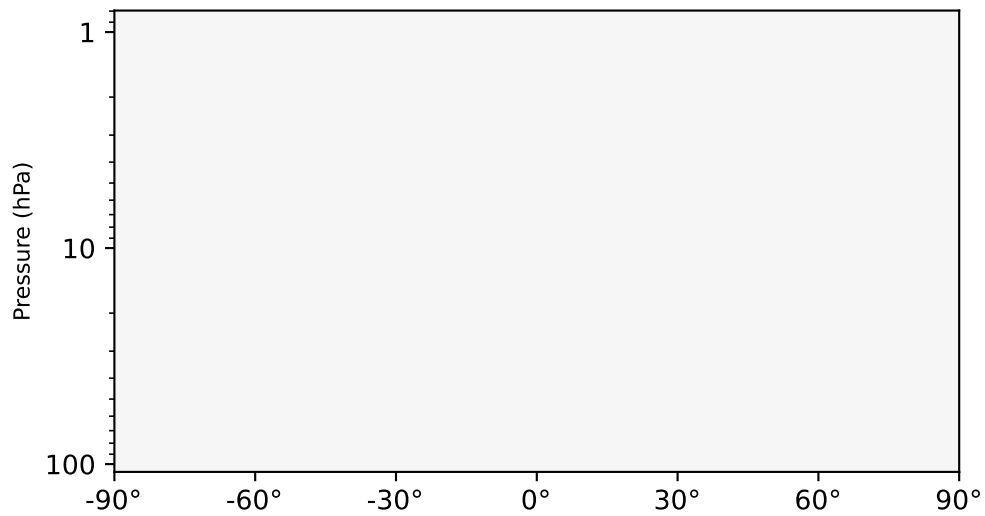


SpeciesConcVV_ISALA, Zonal Mean

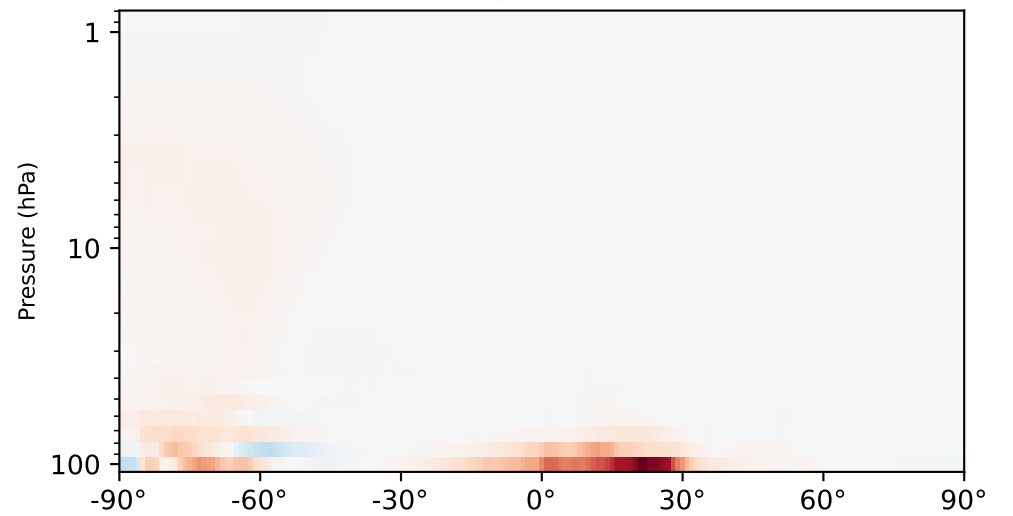


SpeciesConcVV_ISALC, Zonal Mean

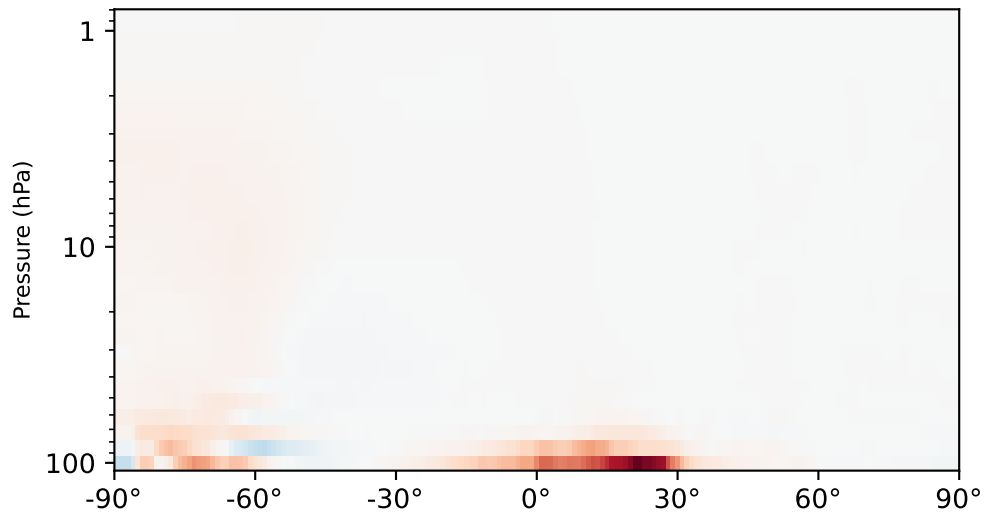
gcc-4x5-1Mon-14.6.3_ - gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0



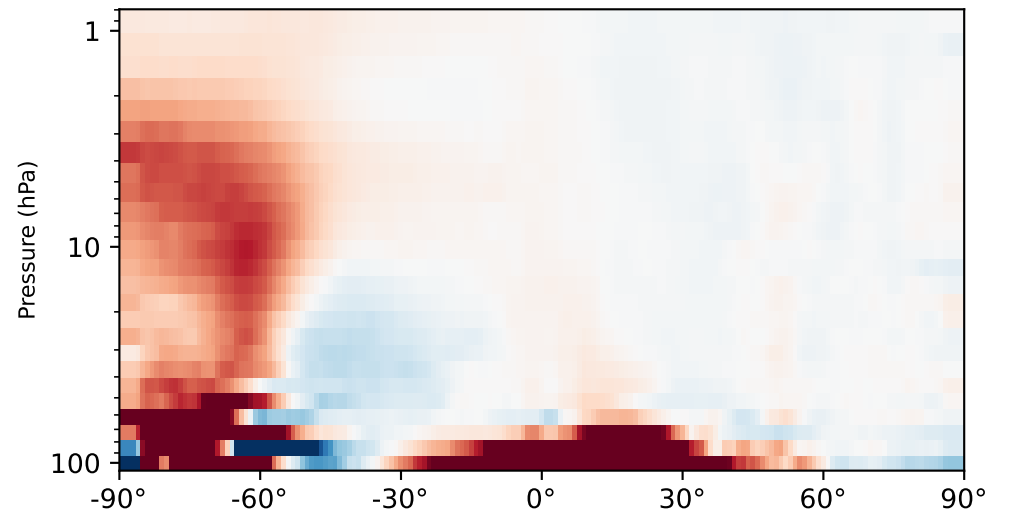
gchp-c24-1Mon-14.6.3_ - gchp-c24-1Mon-14.6.2 (Dev)
1x1.25 regridded from c24



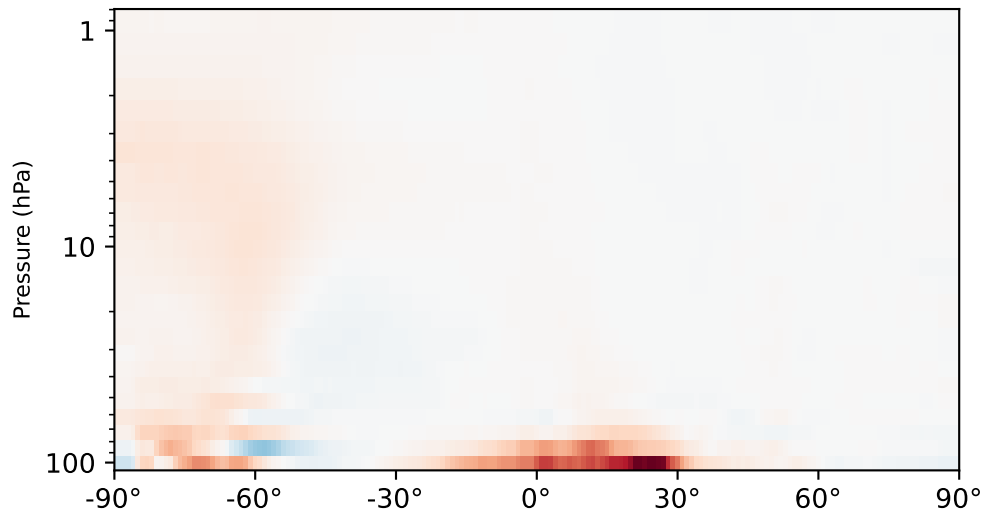
Difference (1x1.25)
Dev - Ref, Dynamic Range



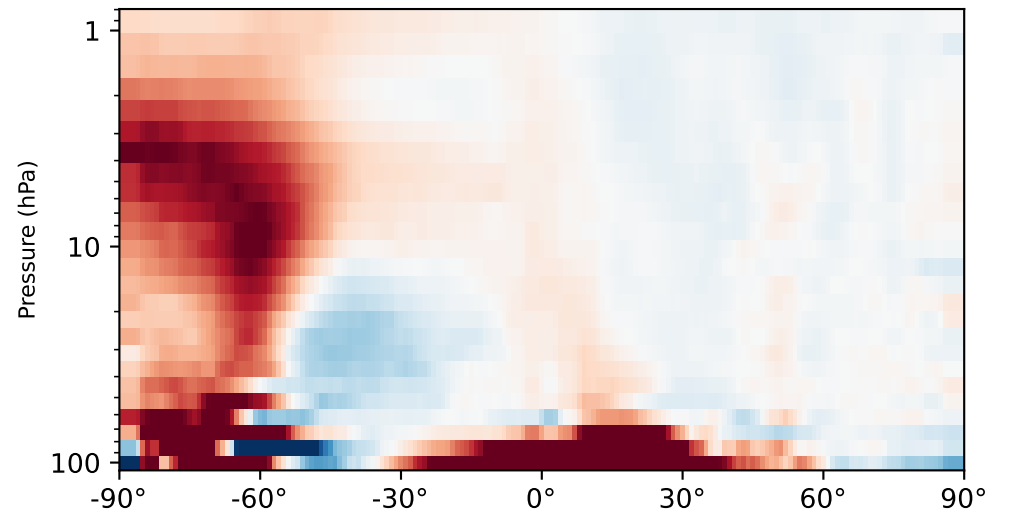
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



Difference (1x1.25), Dynamic Range
GCHP_dev / GCHP_ref - GCC_dev / GCC_ref

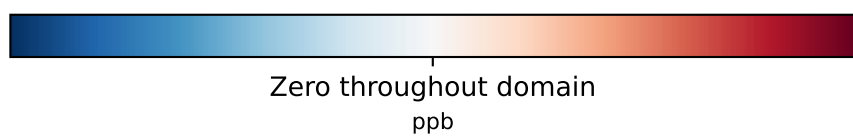
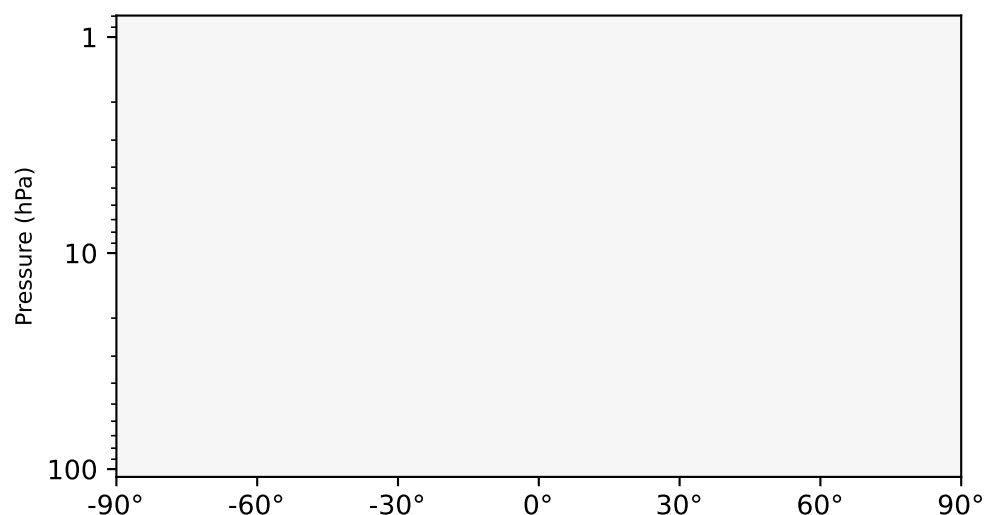


Difference (1x1.25), Restricted Range [5%,95%]
GCHP_dev / GCHP_ref - GCC_dev / GCC_ref

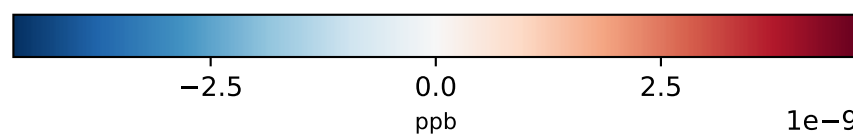
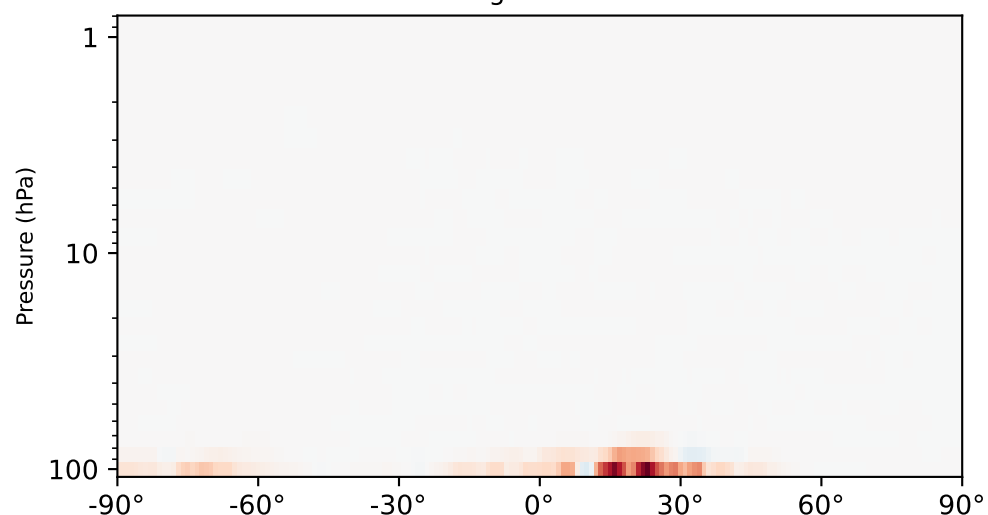


SpeciesConcVV_NITs, Zonal Mean

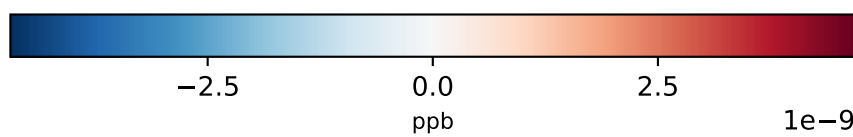
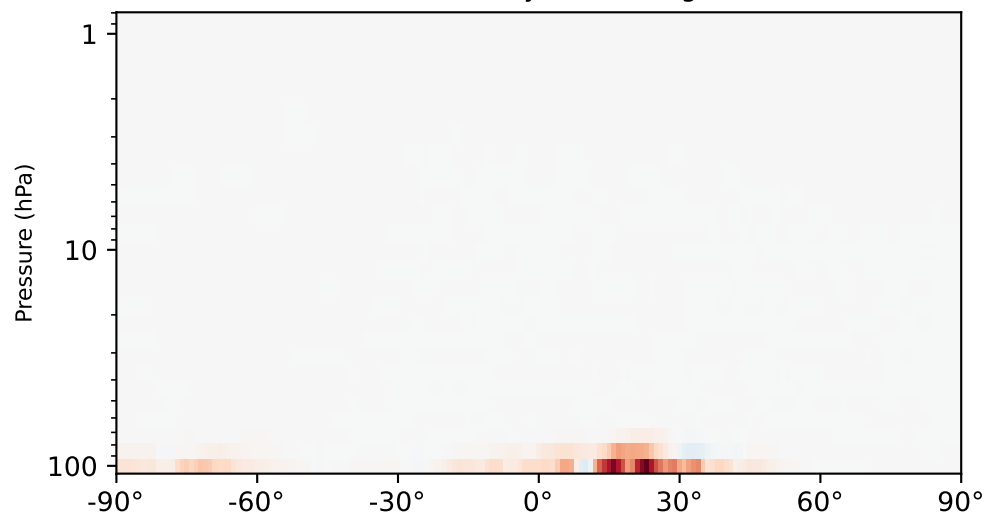
gcc-4x5-1Mon-14.6.3_ - gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0



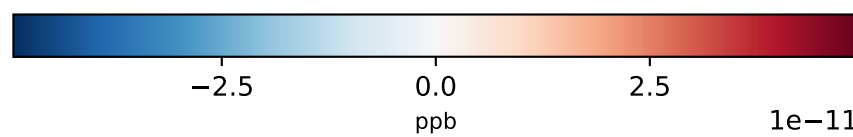
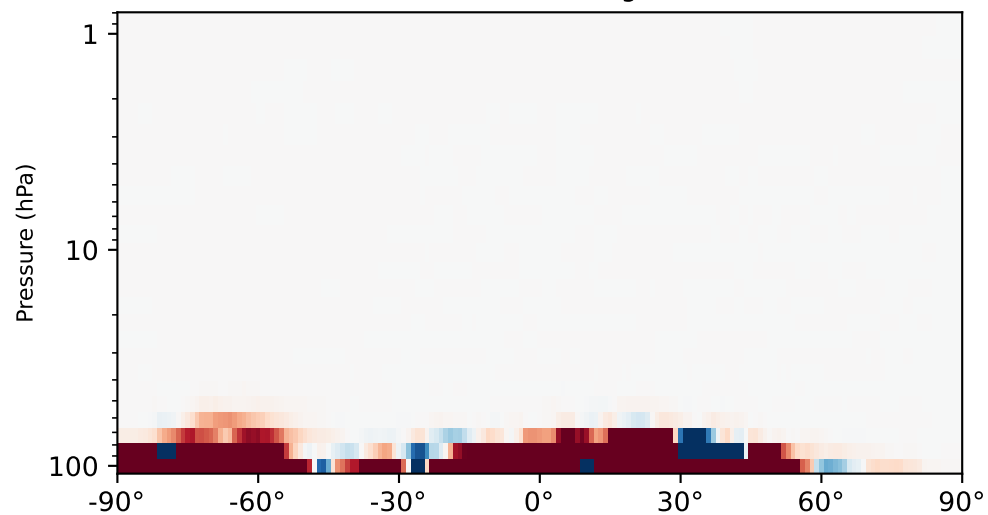
gchp-c24-1Mon-14.6.3_ - gchp-c24-1Mon-14.6.2 (Dev)
1x1.25 regridded from c24



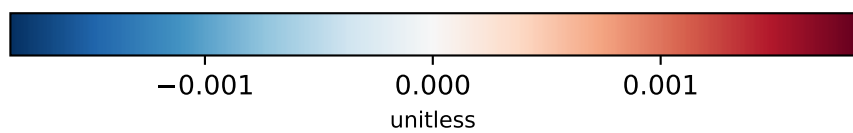
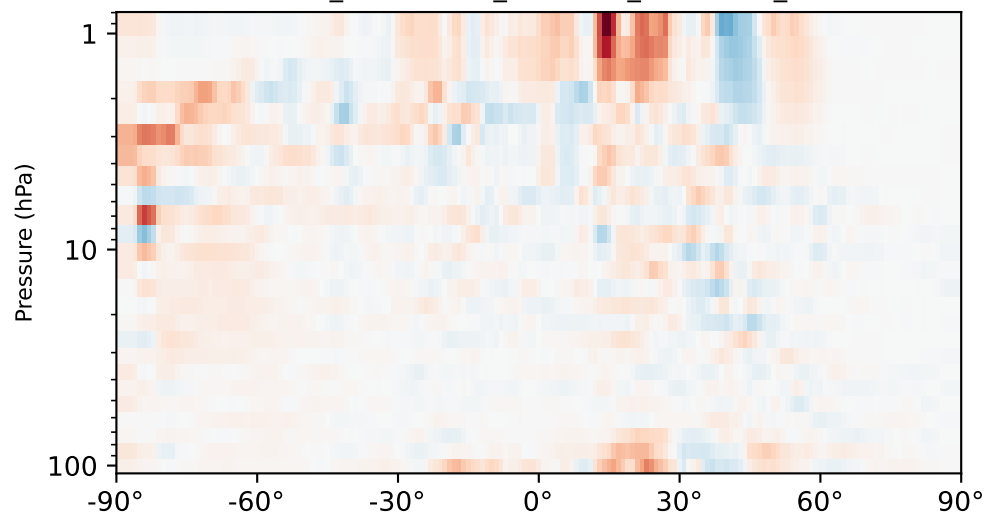
Difference (1x1.25)
Dev - Ref, Dynamic Range



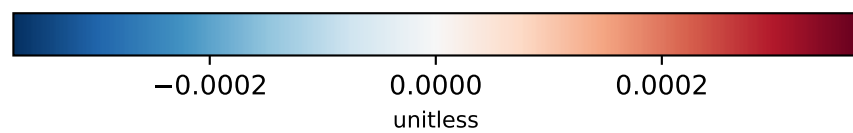
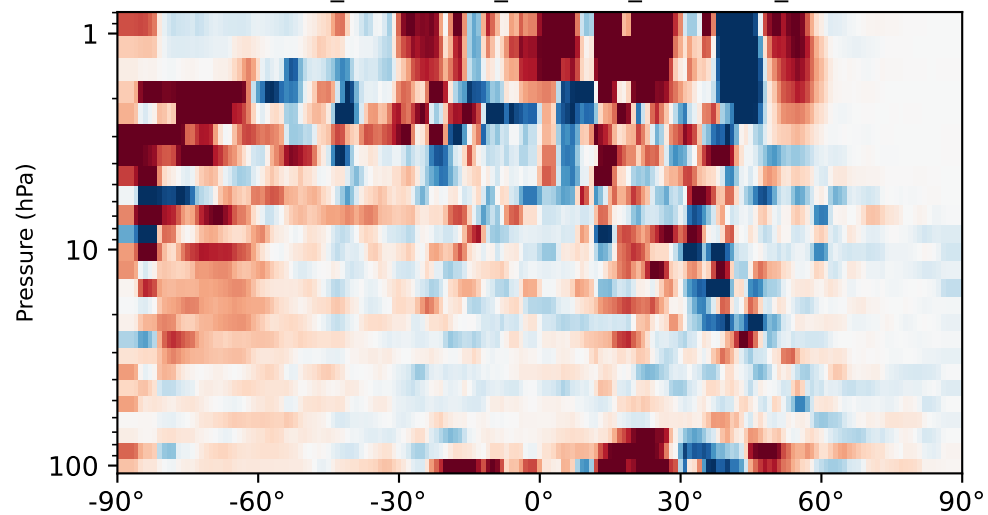
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



Difference (1x1.25), Dynamic Range
GCHP_dev / GCHP_ref - GCC_dev / GCC_ref

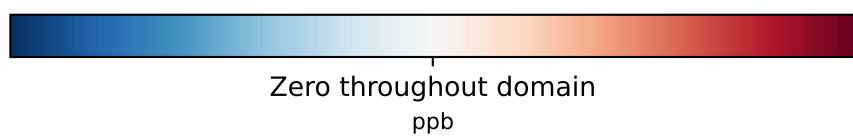
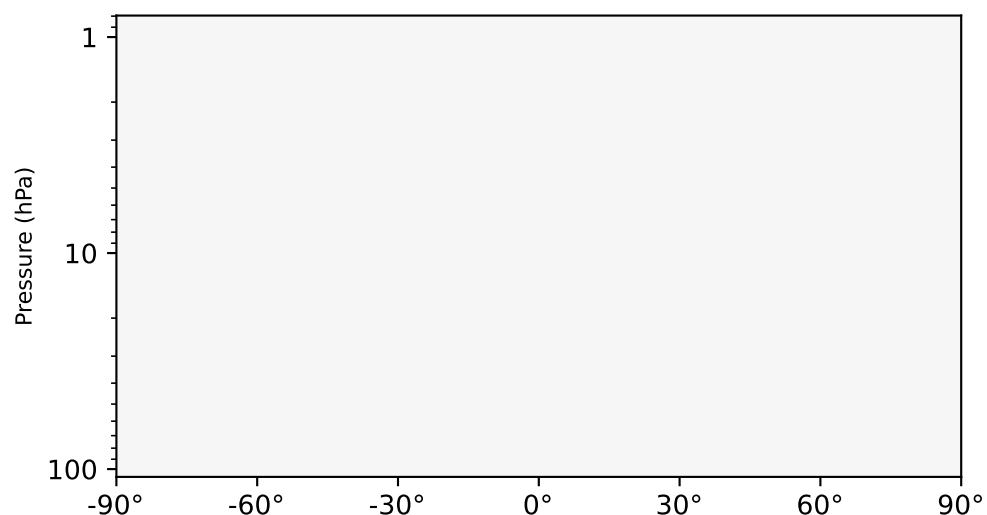


Difference (1x1.25), Restricted Range [5%,95%]
GCHP_dev / GCHP_ref - GCC_dev / GCC_ref

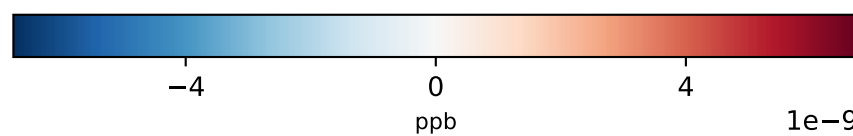
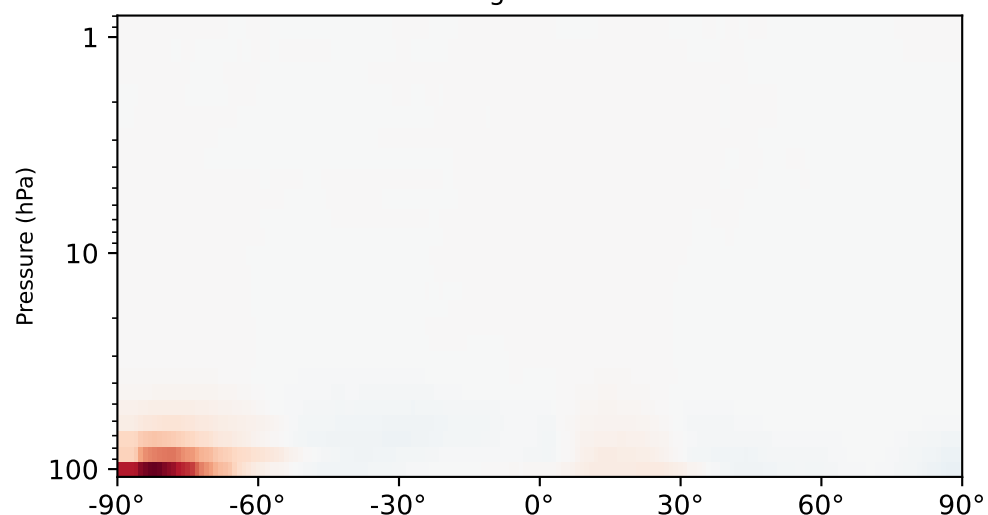


SpeciesConcVV_SALA, Zonal Mean

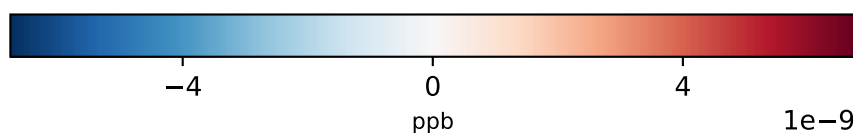
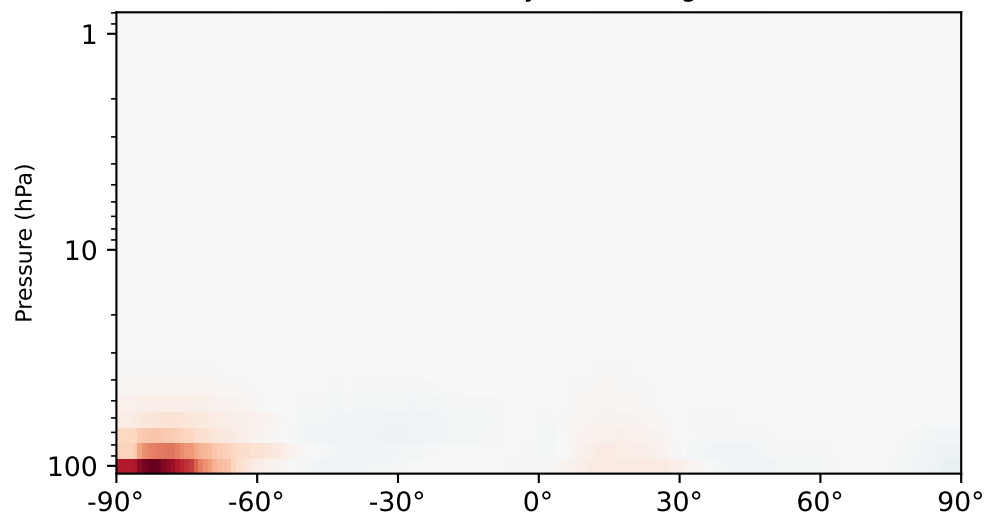
gcc-4x5-1Mon-14.6.3_ - gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0



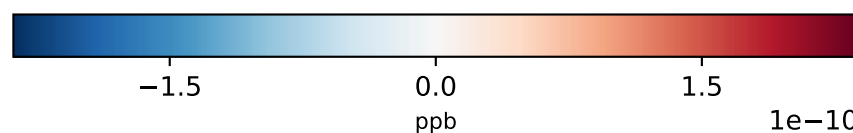
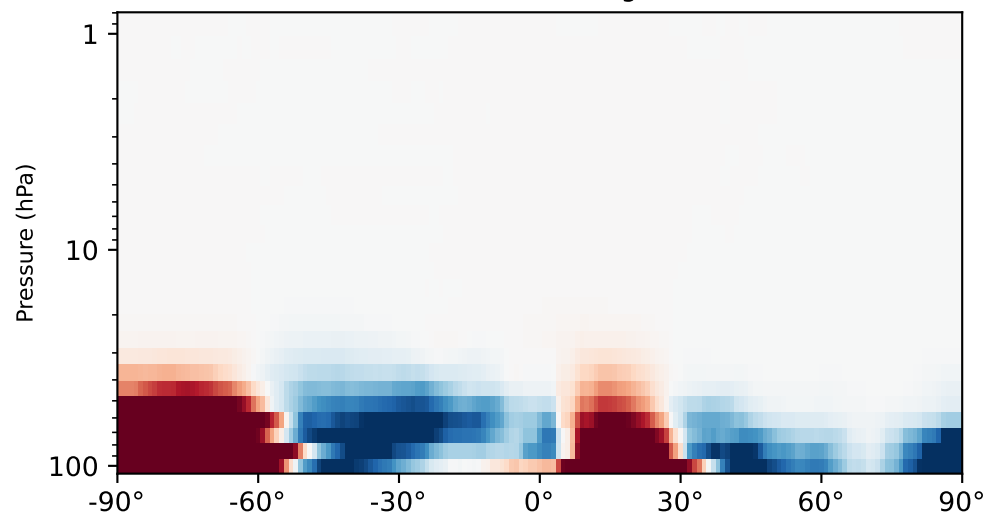
gchp-c24-1Mon-14.6.3_ - gchp-c24-1Mon-14.6.2 (Dev)
1x1.25 regridded from c24



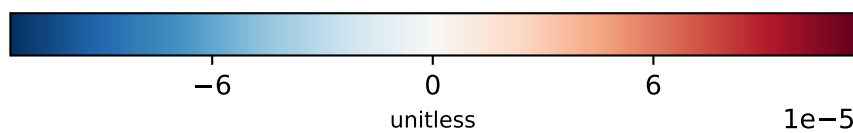
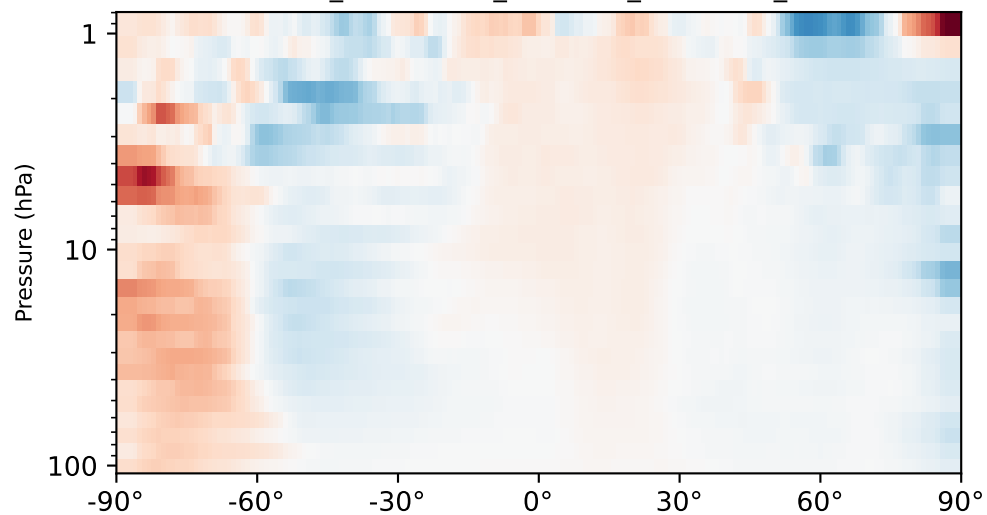
Difference (1x1.25)
Dev - Ref, Dynamic Range



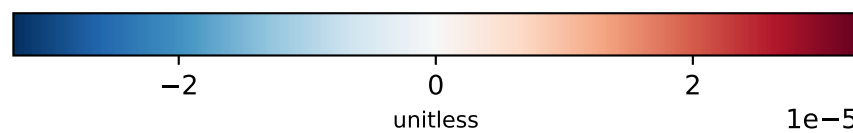
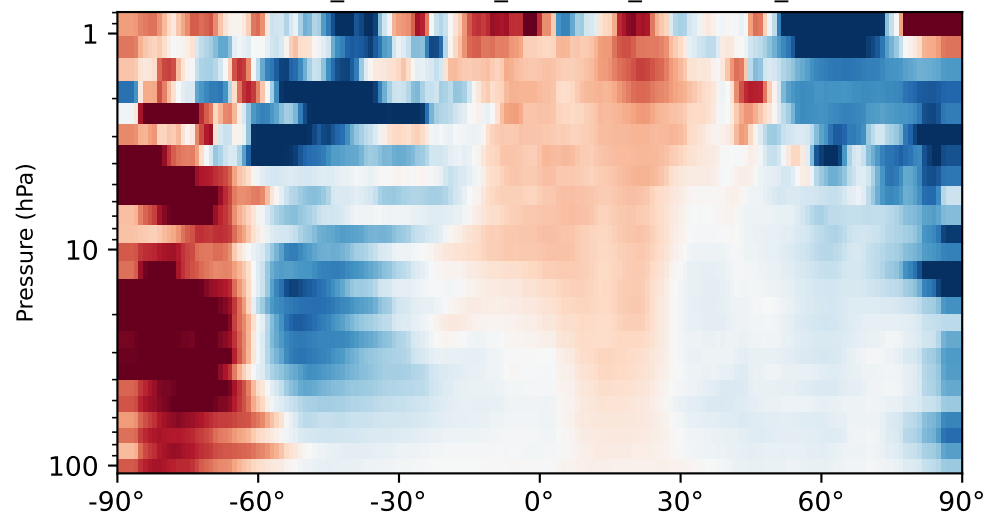
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



Difference (1x1.25), Dynamic Range
GCHP_dev / GCHP_ref - GCC_dev / GCC_ref

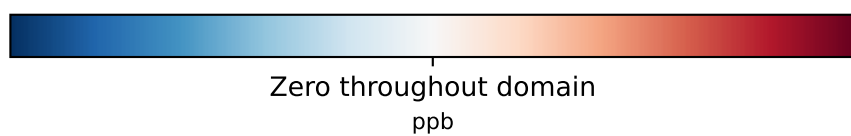
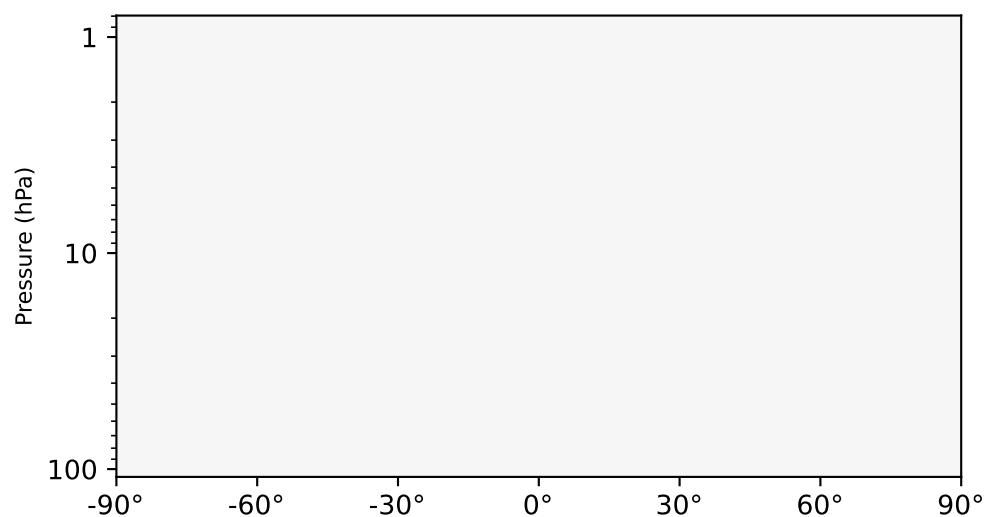


Difference (1x1.25), Restricted Range [5%,95%]
GCHP_dev / GCHP_ref - GCC_dev / GCC_ref

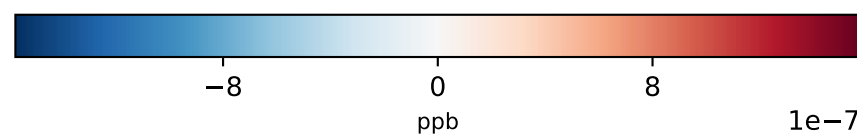
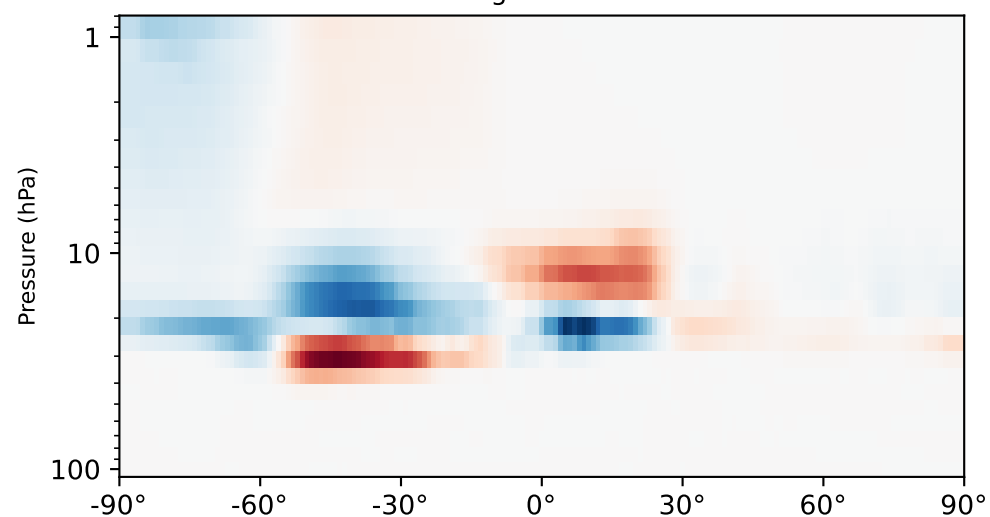


SpeciesConcVV_SALAAL, Zonal Mean

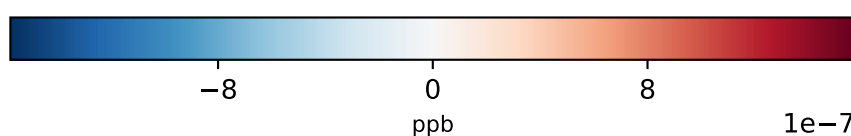
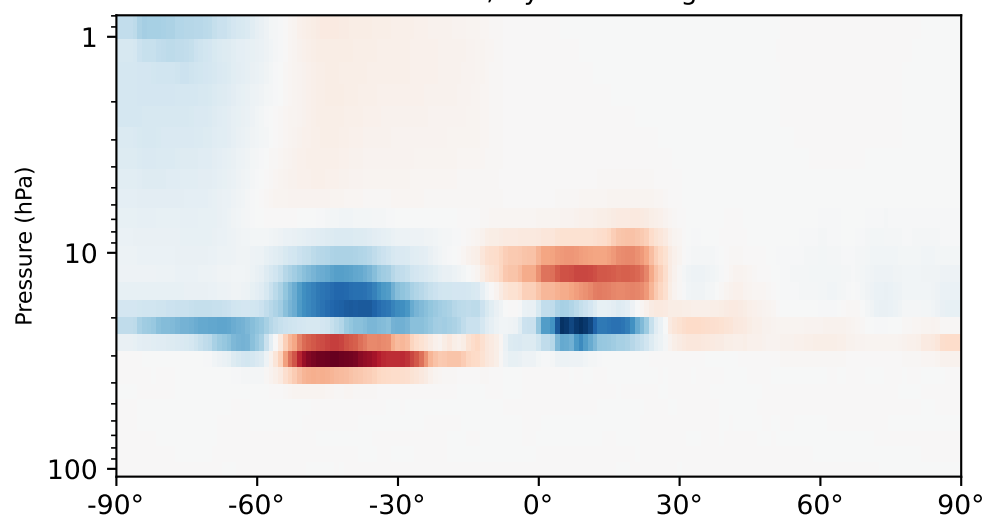
gcc-4x5-1Mon-14.6.3_ - gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0



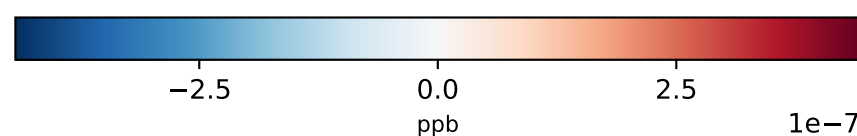
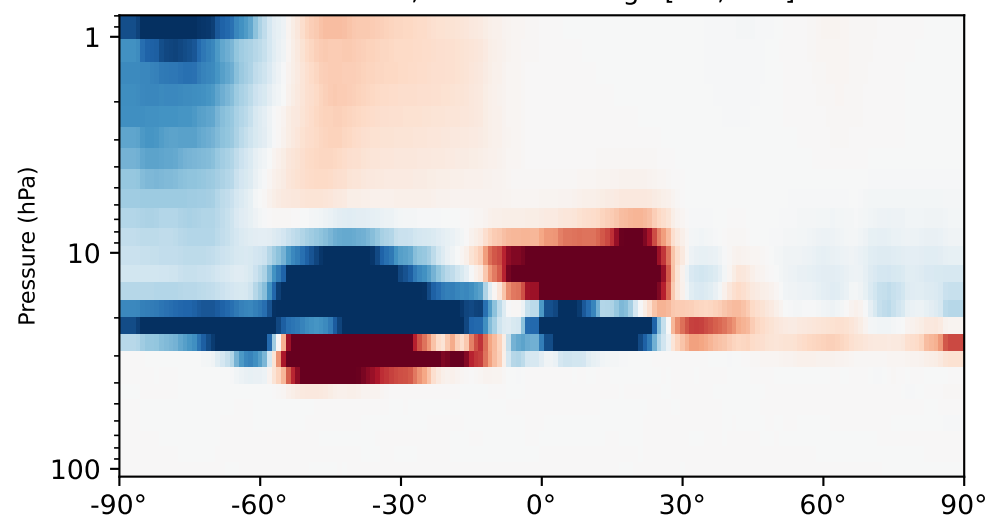
gchp-c24-1Mon-14.6.3_ - gchp-c24-1Mon-14.6.2 (Dev)
1x1.25 regridded from c24



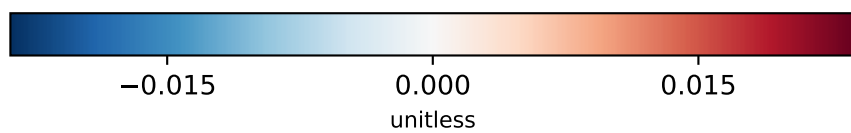
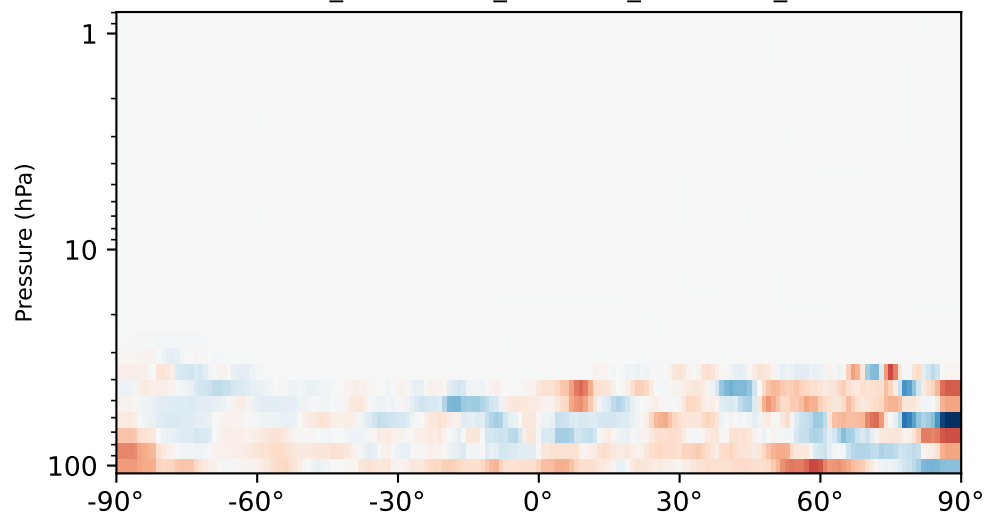
Difference (1x1.25)
Dev - Ref, Dynamic Range



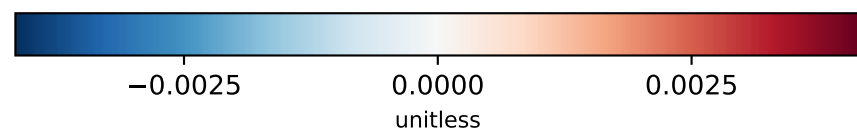
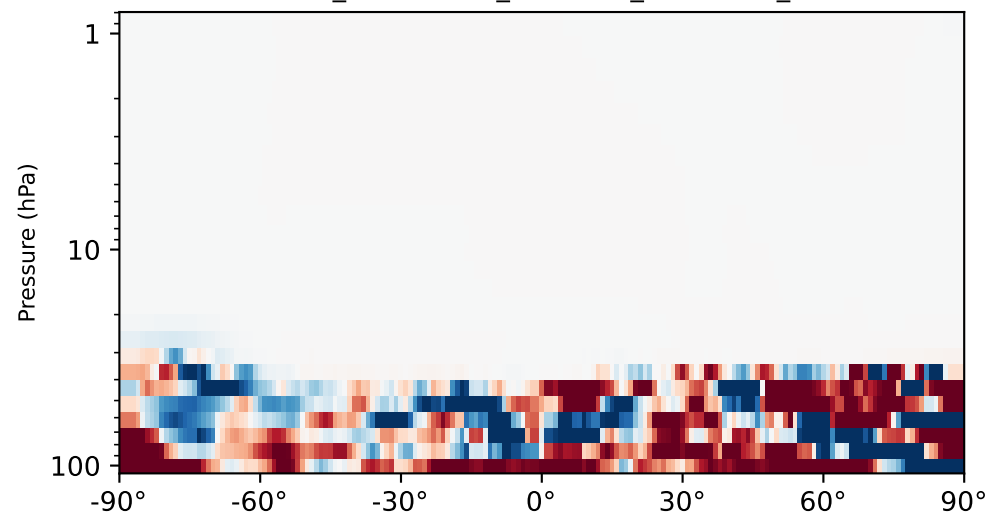
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



Difference (1x1.25), Dynamic Range
GCHP_dev / GCHP_ref - GCC_dev / GCC_ref

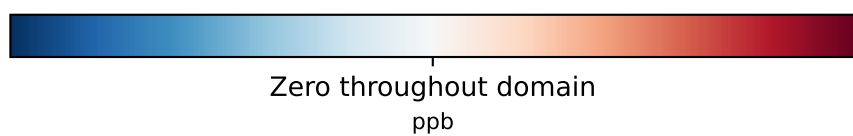
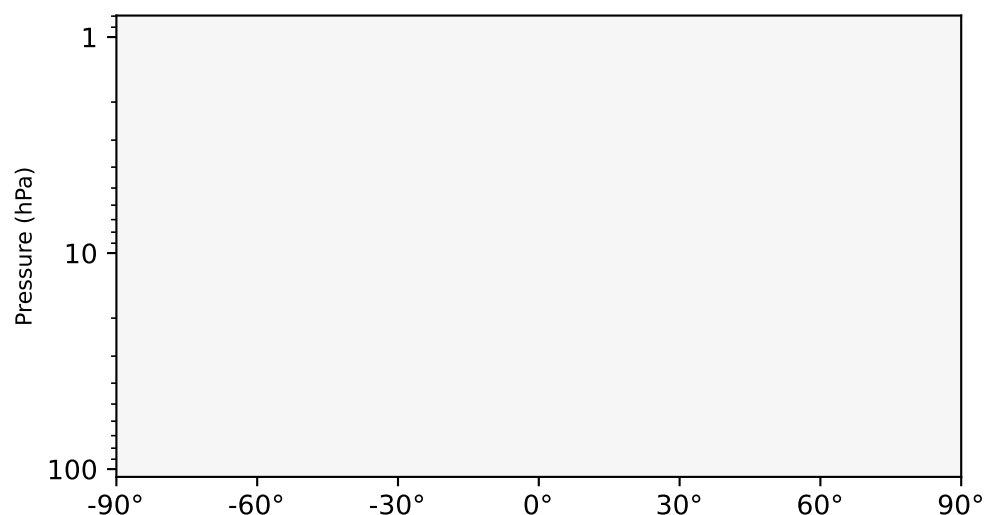


Difference (1x1.25), Restricted Range [5%,95%]
GCHP_dev / GCHP_ref - GCC_dev / GCC_ref

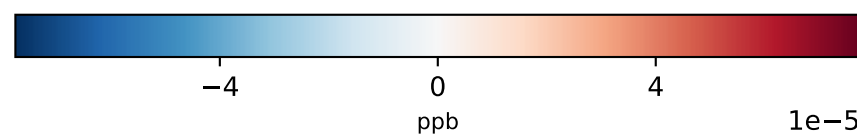
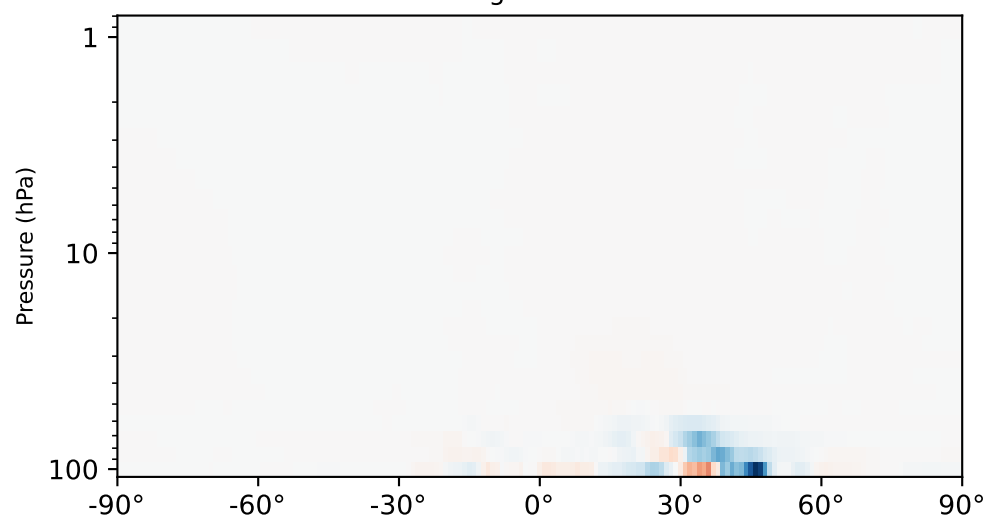


SpeciesConcVV_SALACL, Zonal Mean

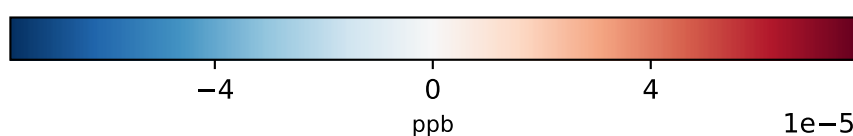
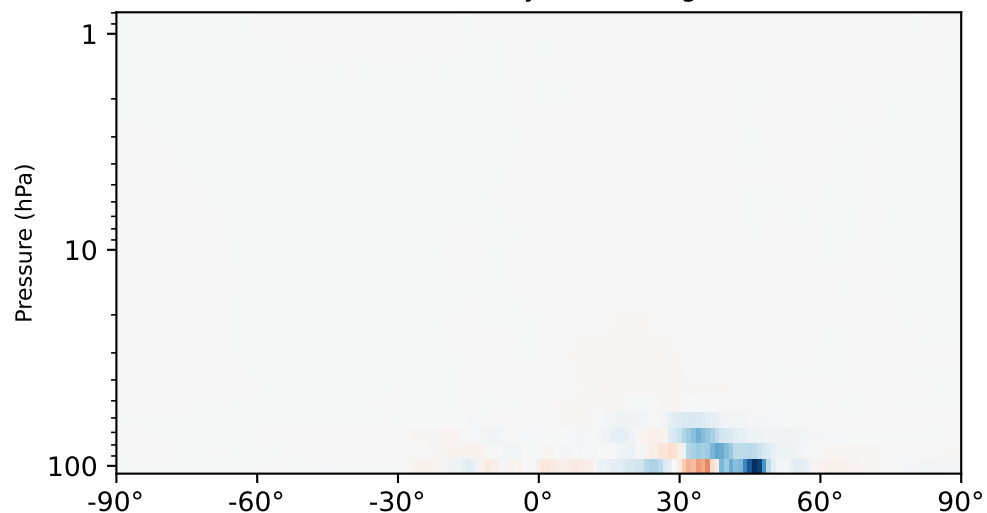
gcc-4x5-1Mon-14.6.3_ - gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0



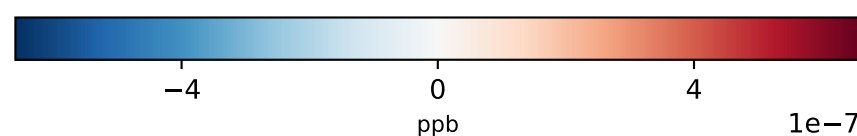
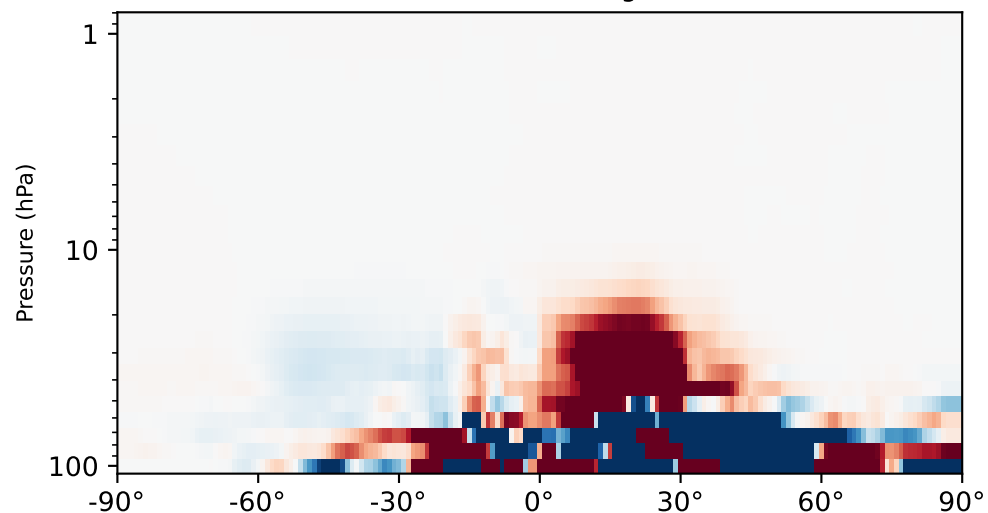
gchp-c24-1Mon-14.6.3_ - gchp-c24-1Mon-14.6.2 (Dev)
1x1.25 regridded from c24



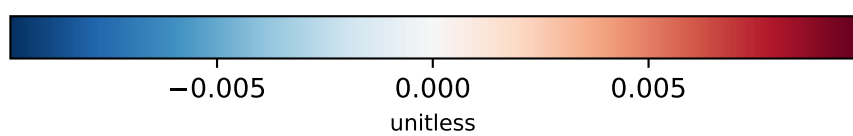
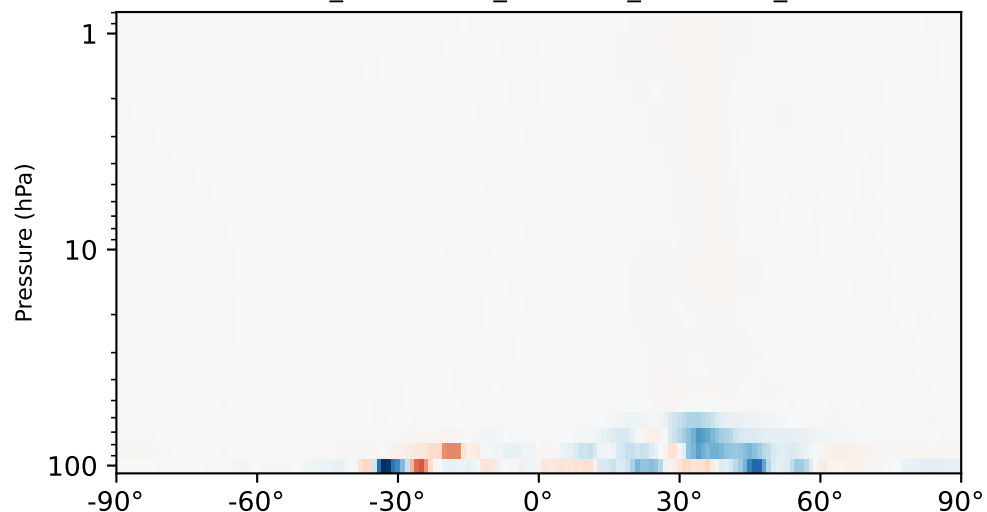
Difference (1x1.25)
Dev - Ref, Dynamic Range



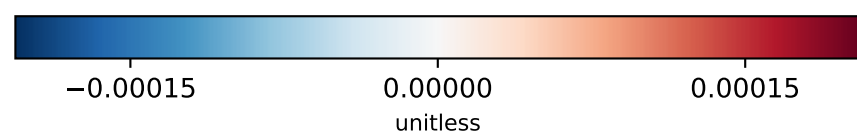
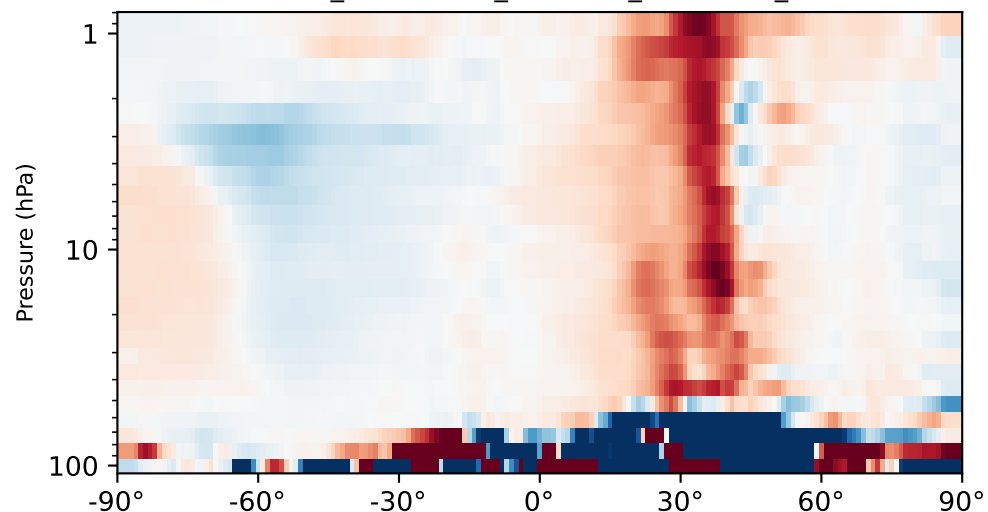
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



Difference (1x1.25), Dynamic Range
 $GCHP_dev / GCHP_ref - GCC_dev / GCC_ref$

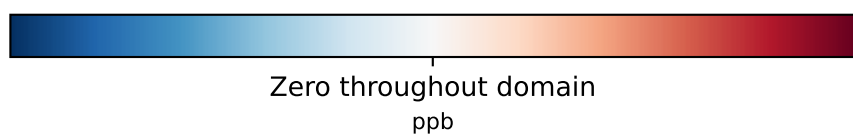
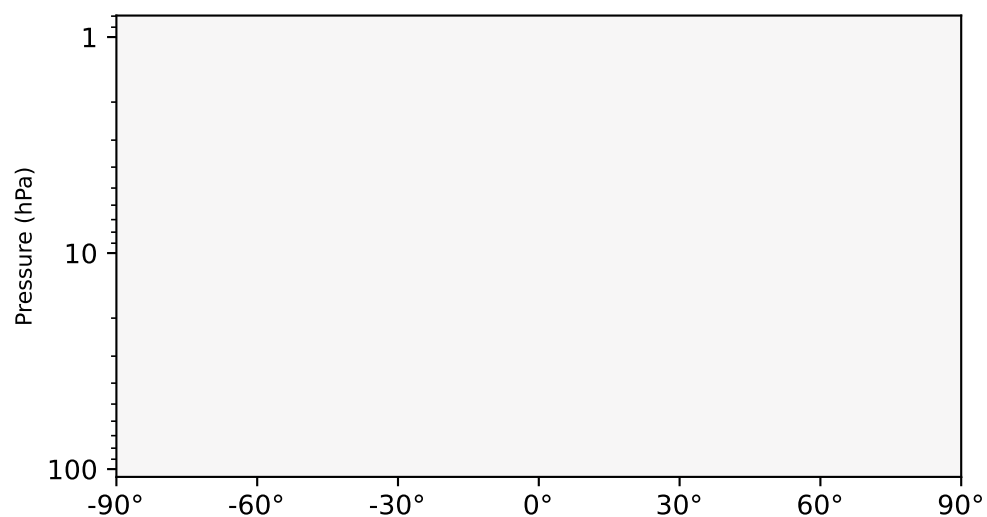


Difference (1x1.25), Restricted Range [5%,95%]
 $GCHP_dev / GCHP_ref - GCC_dev / GCC_ref$

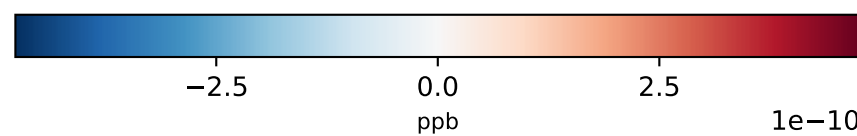
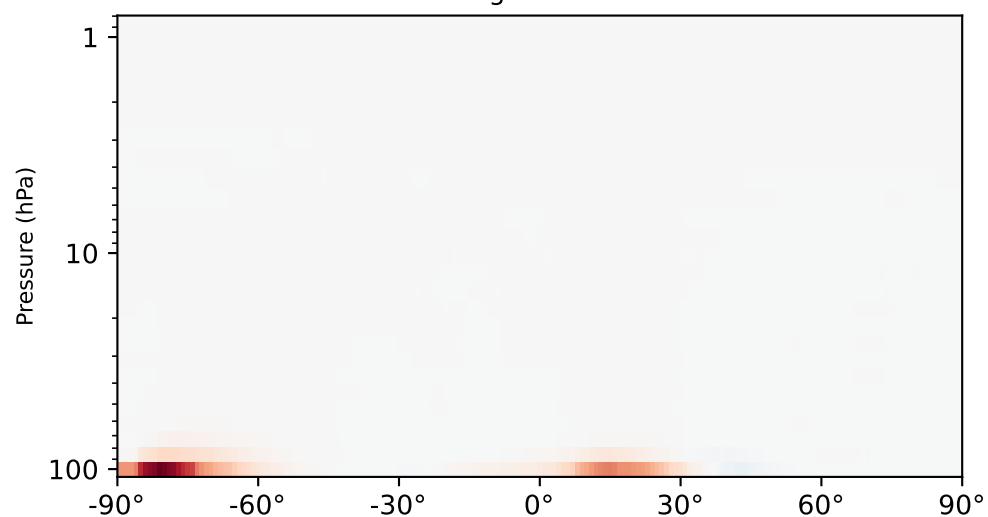


SpeciesConcVV_SALC, Zonal Mean

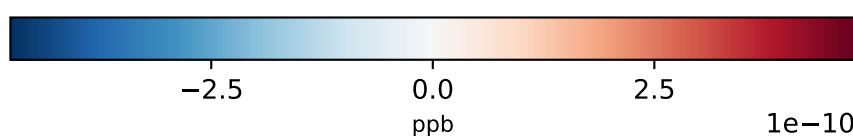
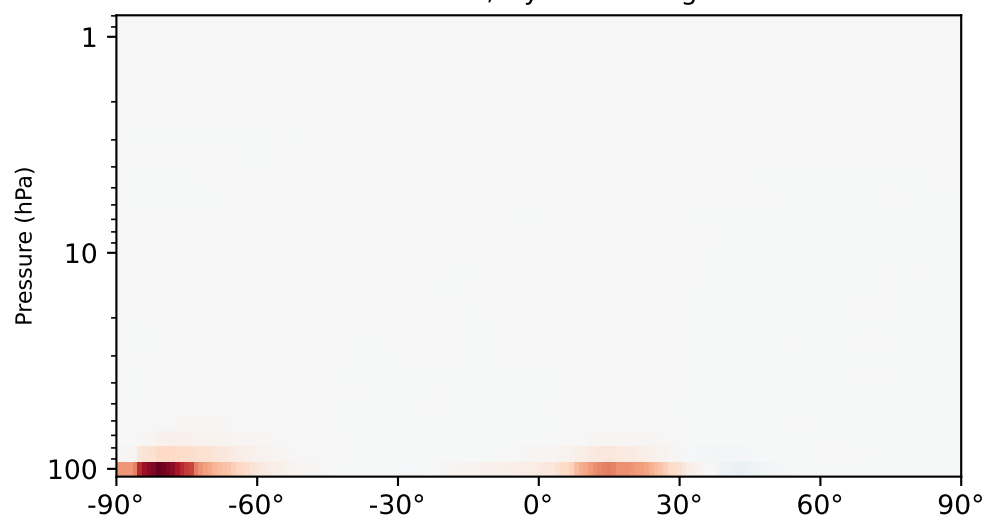
gcc-4x5-1Mon-14.6.3 - gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0



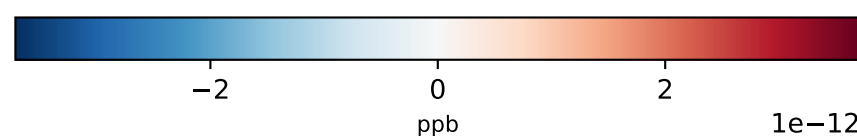
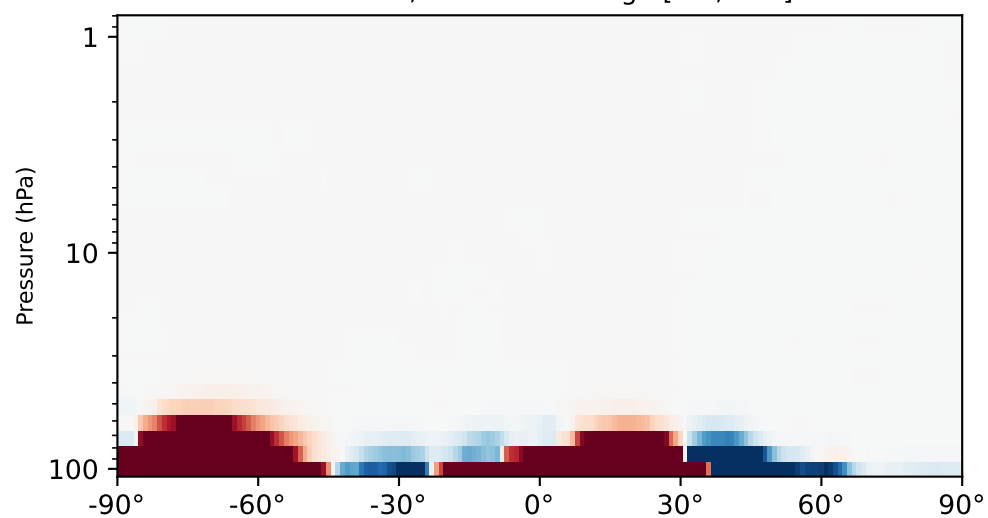
gchp-c24-1Mon-14.6.3 - gchp-c24-1Mon-14.6.2 (Dev)
1x1.25 regridded from c24



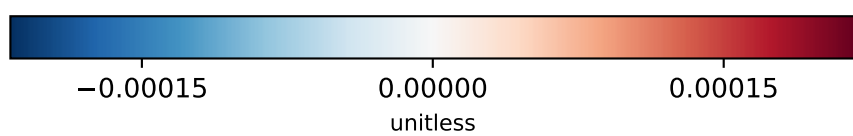
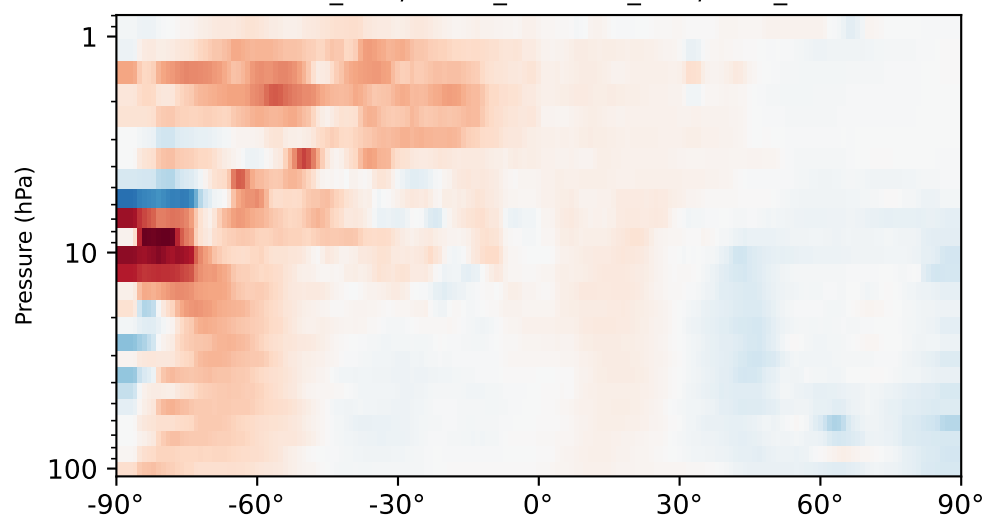
Difference (1x1.25)
Dev - Ref, Dynamic Range



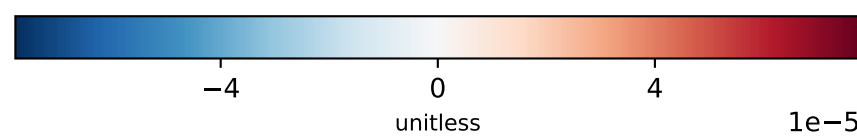
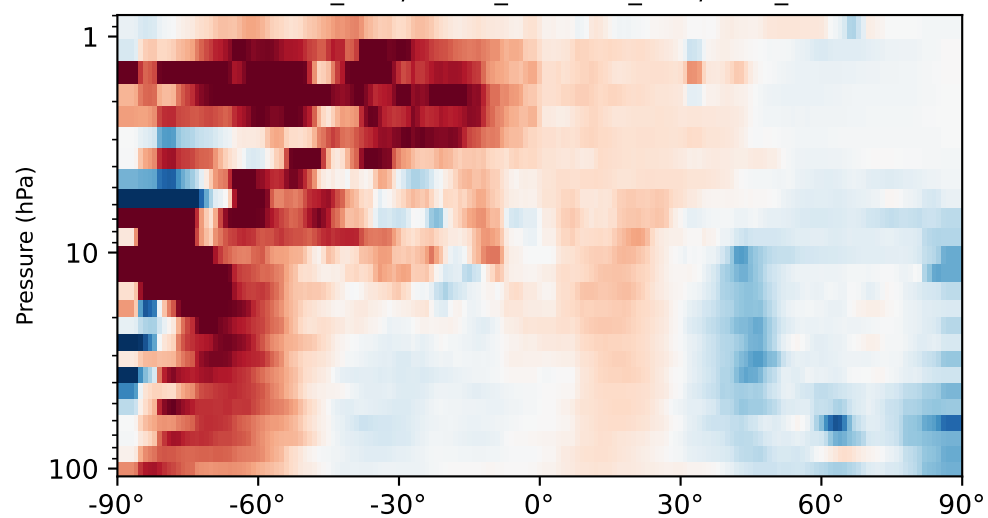
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



Difference (1x1.25), Dynamic Range
GCHP_dev / GCHP_ref - GCC_dev / GCC_ref

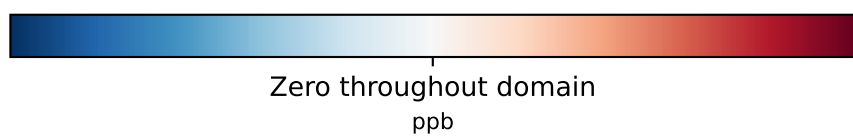
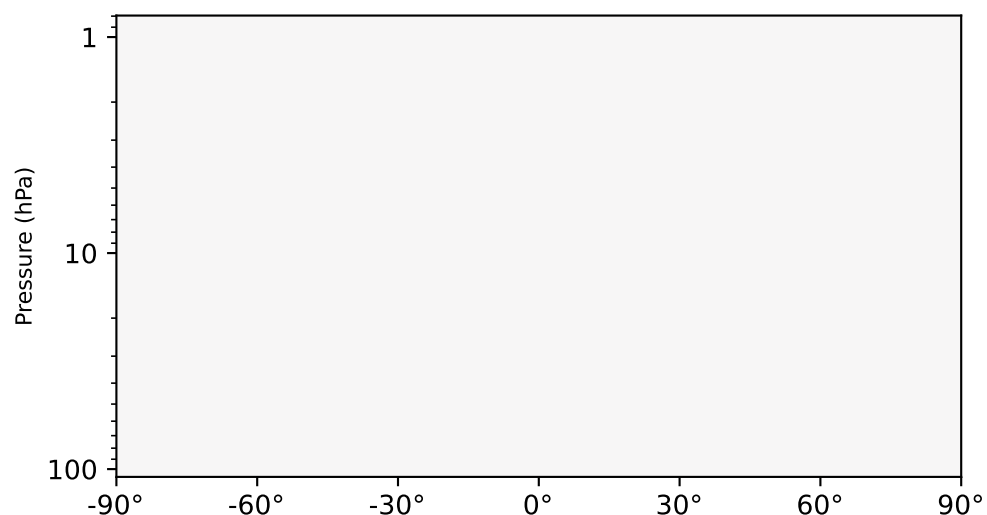


Difference (1x1.25), Restricted Range [5%,95%]
GCHP_dev / GCHP_ref - GCC_dev / GCC_ref

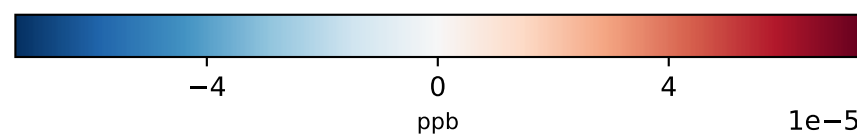
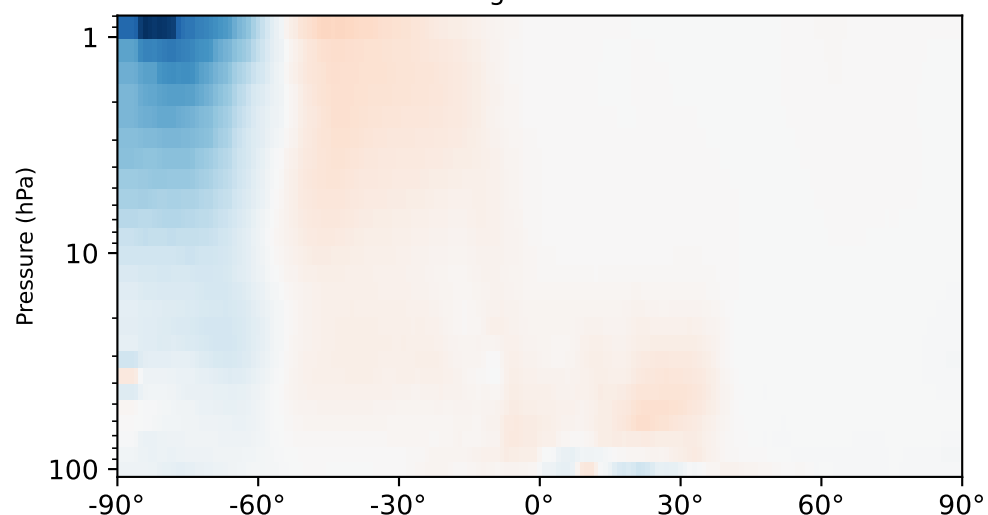


SpeciesConcVV_SALCAL, Zonal Mean

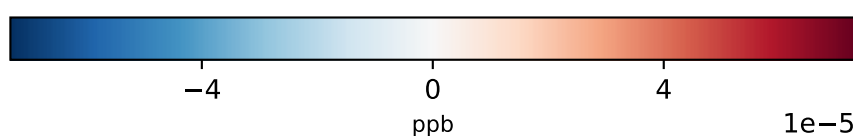
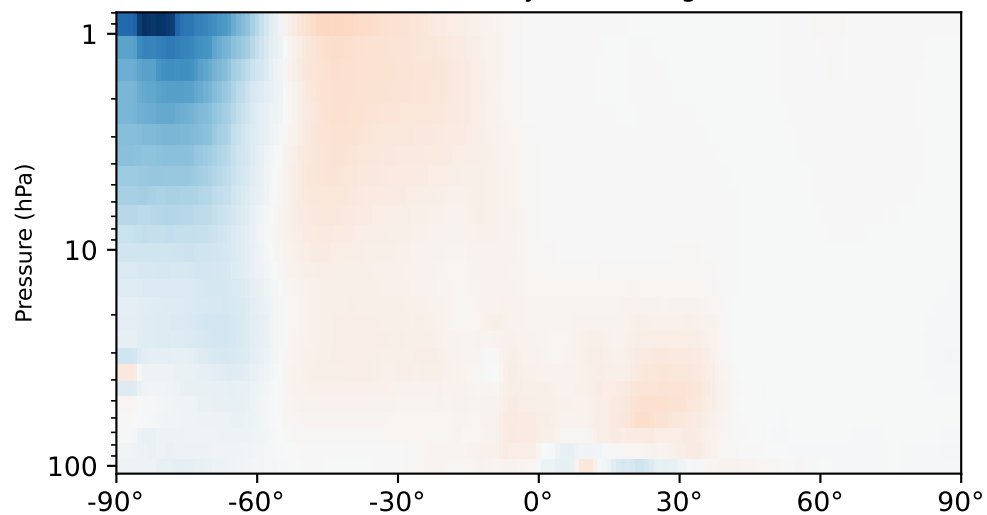
gcc-4x5-1Mon-14.6.3_-gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0



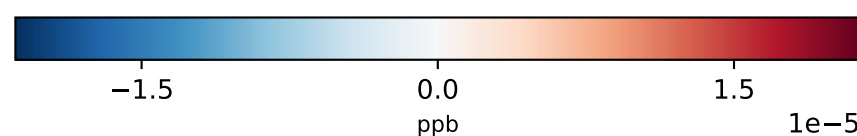
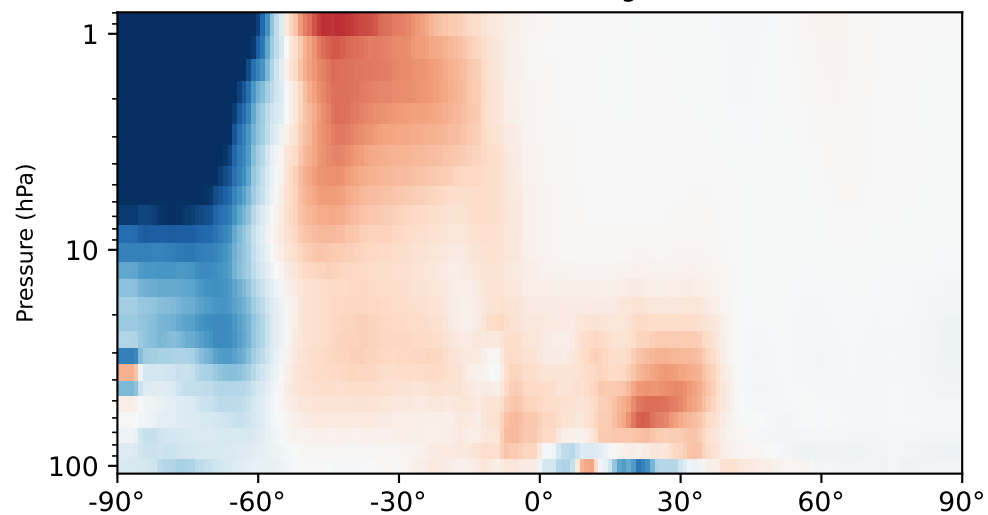
gchp-c24-1Mon-14.6.3_-gchp-c24-1Mon-14.6.2 (Dev)
1x1.25 regridded from c24



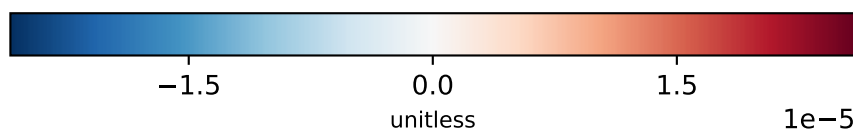
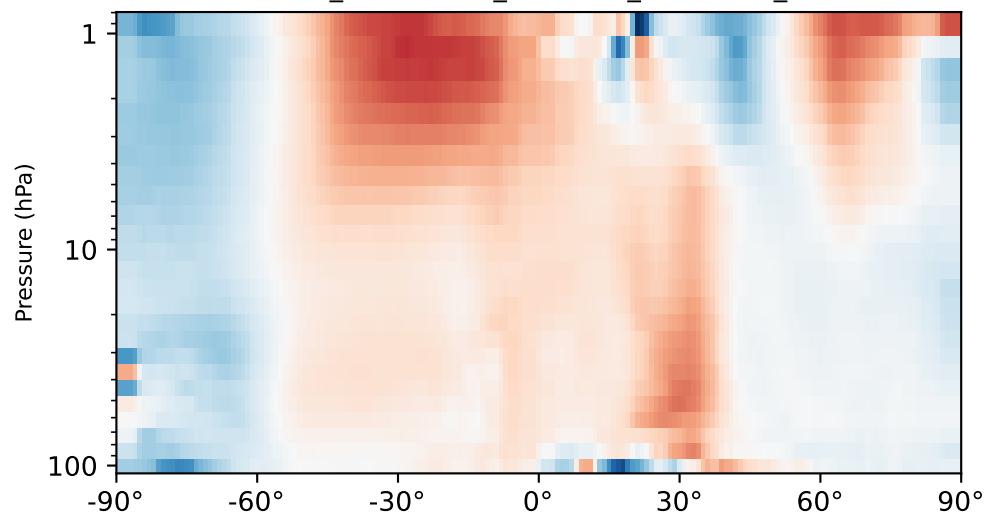
Difference (1x1.25)
Dev - Ref, Dynamic Range



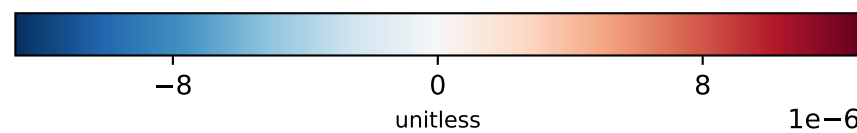
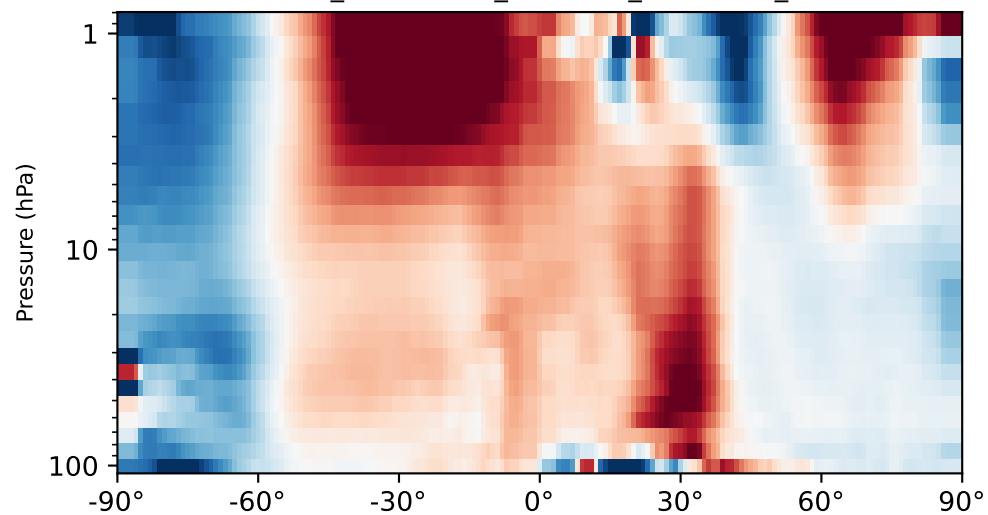
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



Difference (1x1.25), Dynamic Range
GCHP_dev / GCHP_ref - GCC_dev / GCC_ref

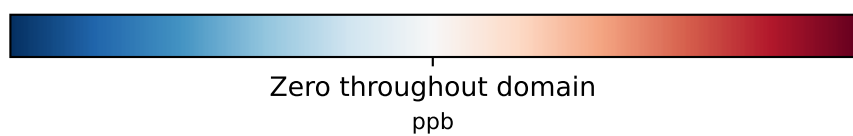
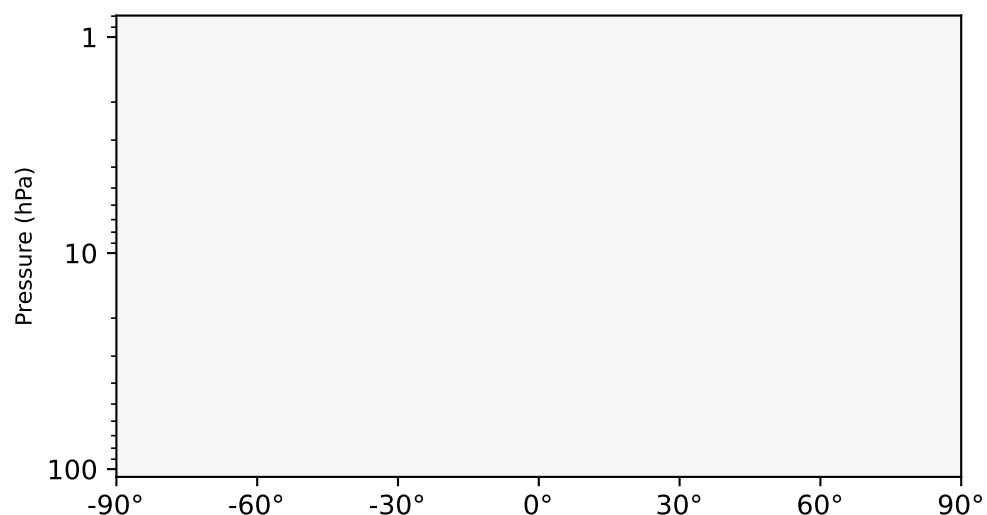


Difference (1x1.25), Restricted Range [5%,95%]
GCHP_dev / GCHP_ref - GCC_dev / GCC_ref

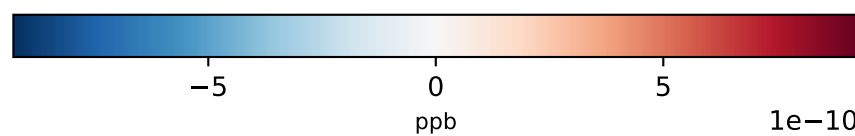
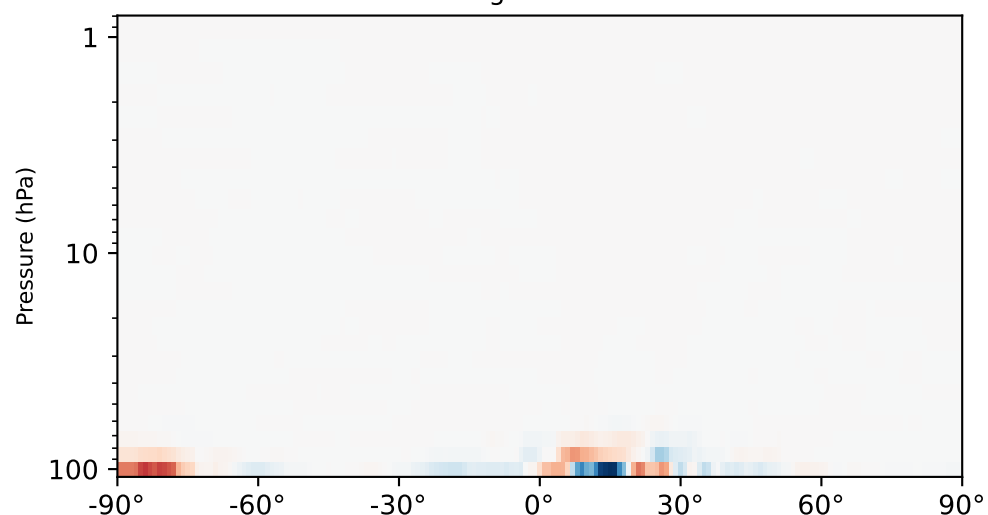


SpeciesConcVV_SALCCL, Zonal Mean

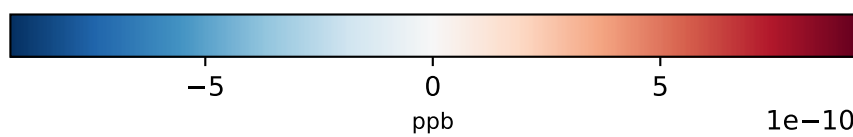
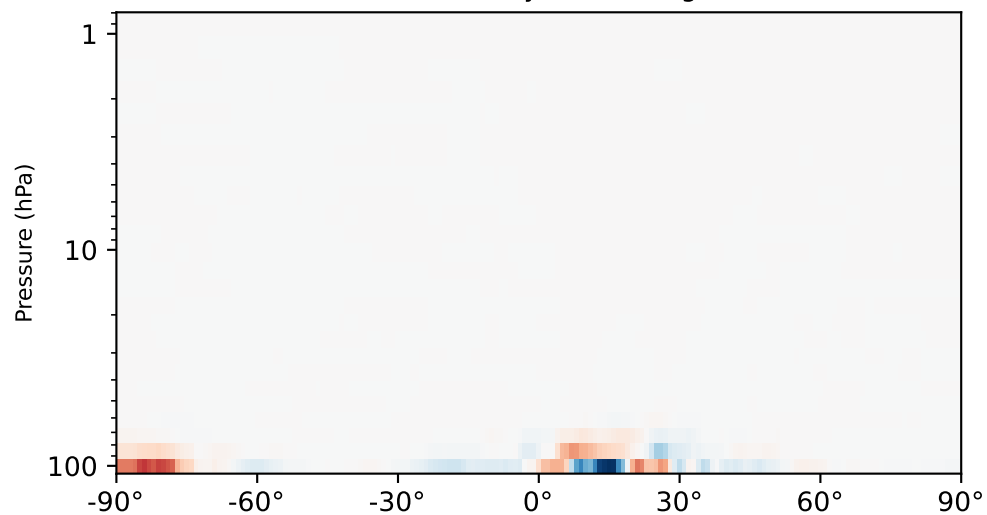
gcc-4x5-1Mon-14.6.3_ - gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0



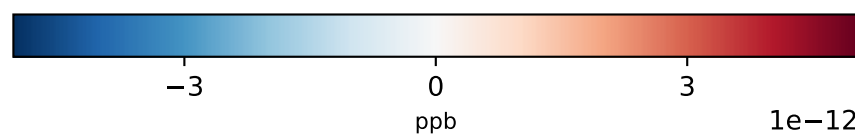
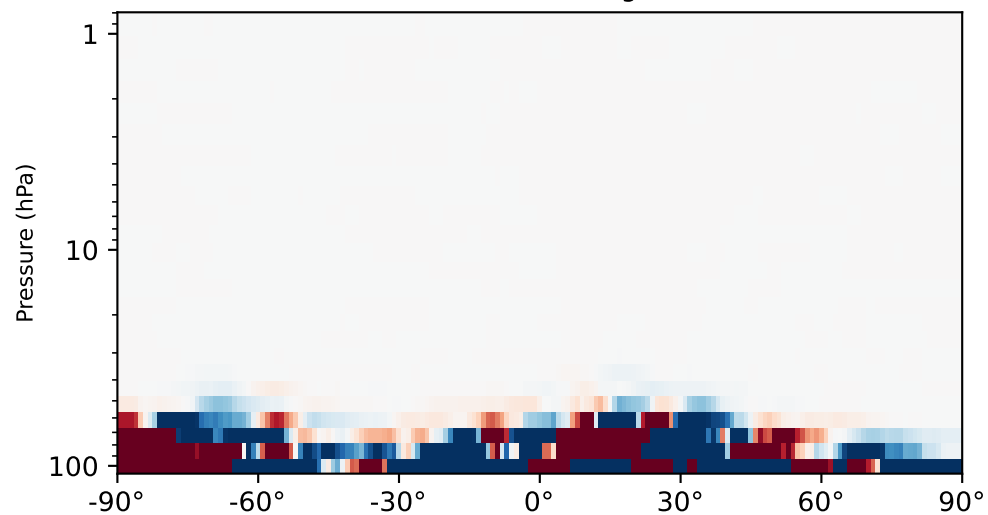
gchp-c24-1Mon-14.6.3_ - gchp-c24-1Mon-14.6.2 (Dev)
1x1.25 regridded from c24



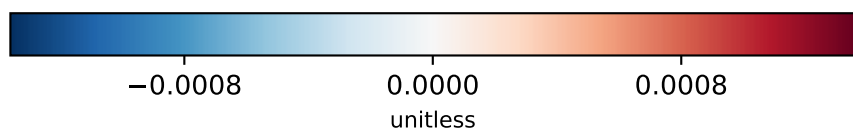
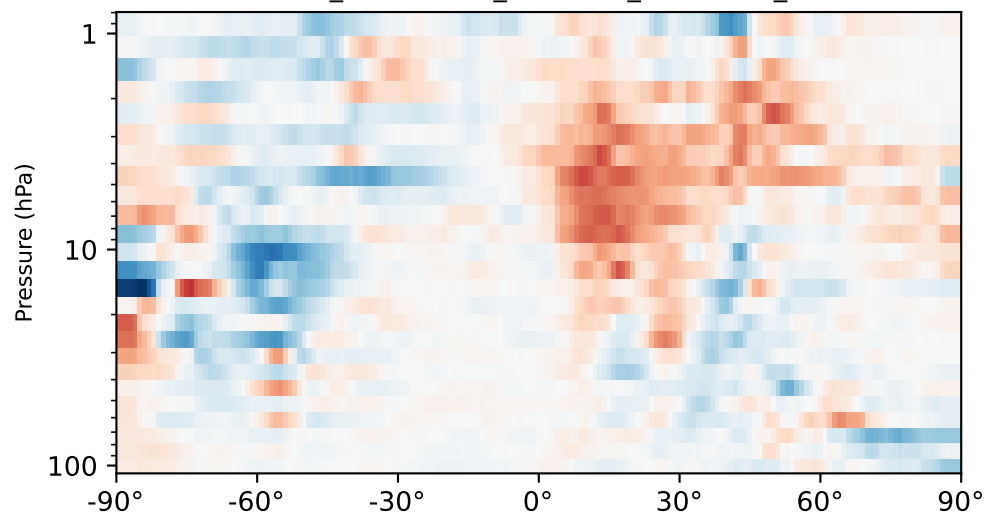
Difference (1x1.25)
Dev - Ref, Dynamic Range



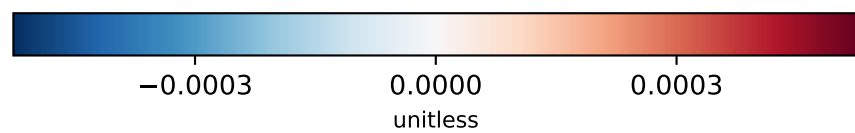
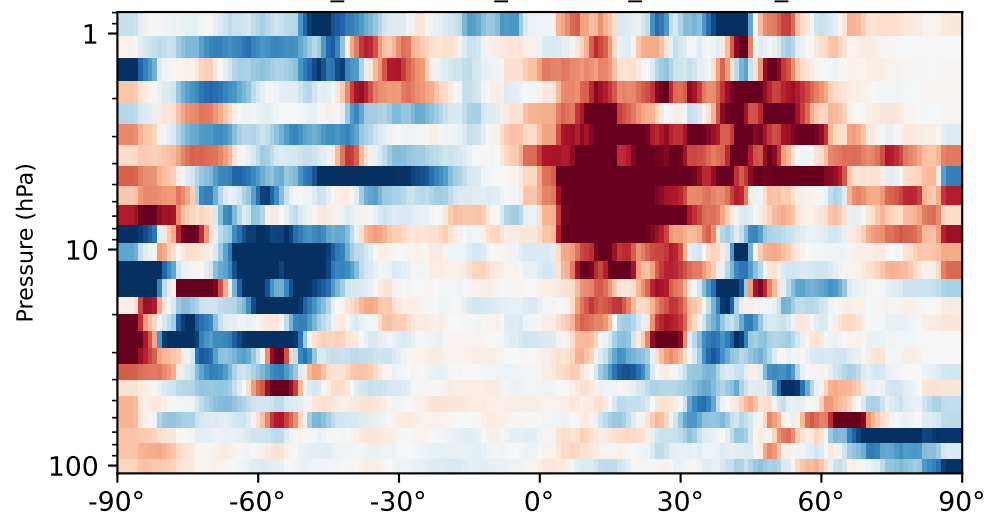
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



Difference (1x1.25), Dynamic Range
GCHP_dev / GCHP_ref - GCC_dev / GCC_ref

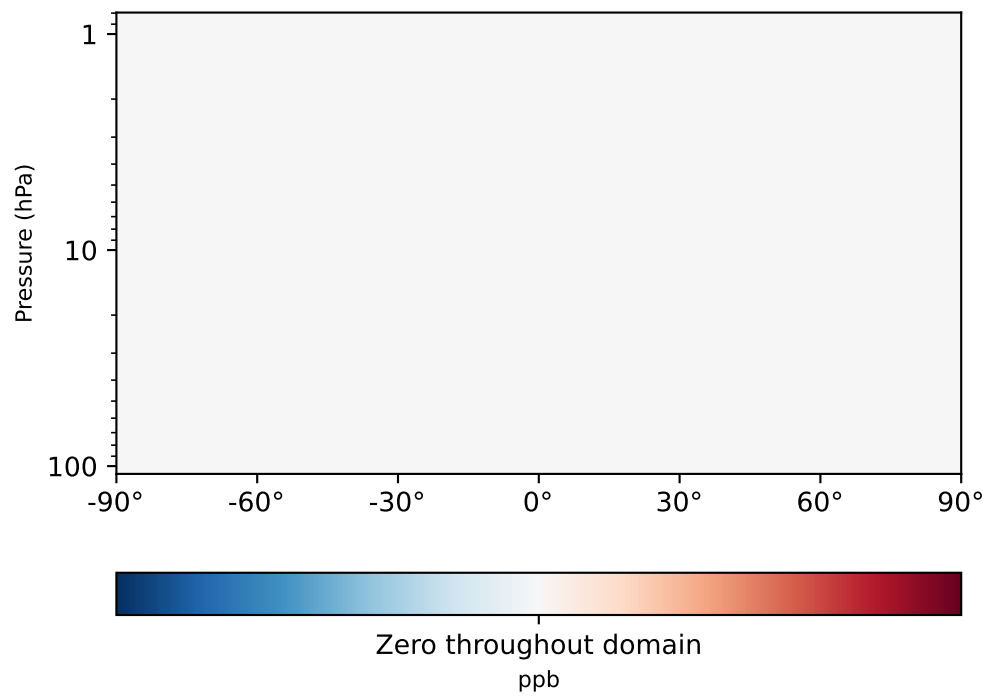


Difference (1x1.25), Restricted Range [5%,95%]
GCHP_dev / GCHP_ref - GCC_dev / GCC_ref

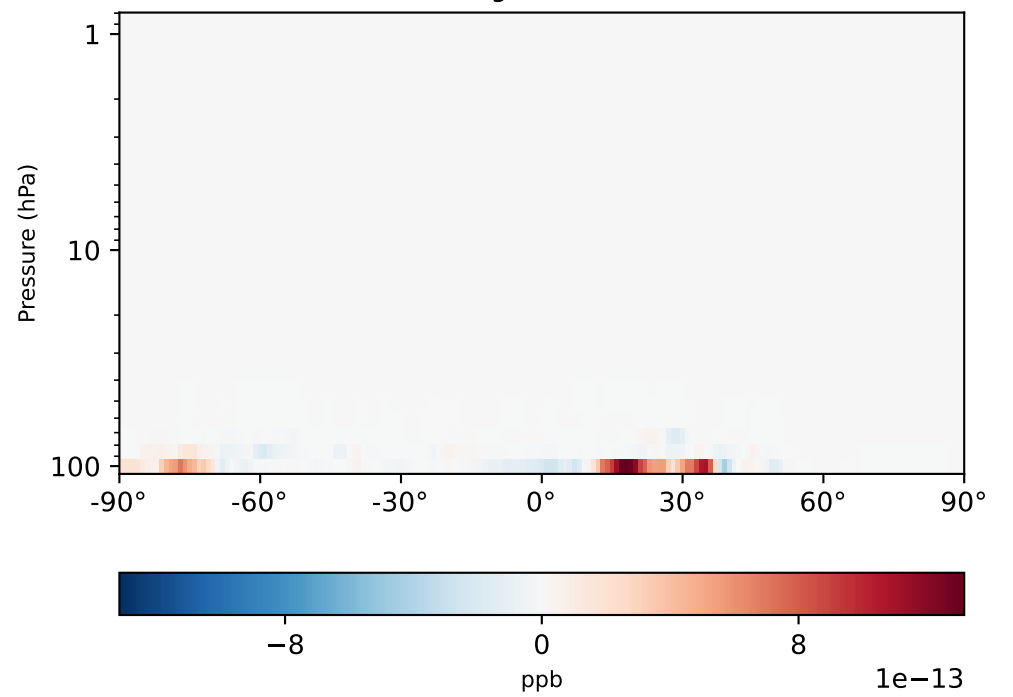


SpeciesConcVV_SO4s, Zonal Mean

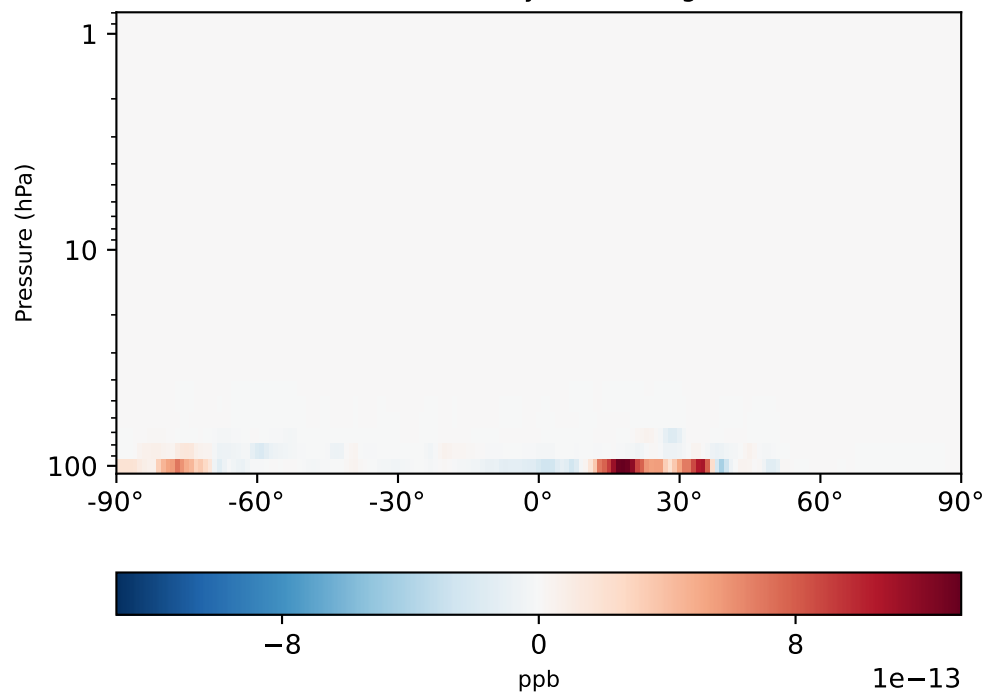
gcc-4x5-1Mon-14.6.3 - gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0



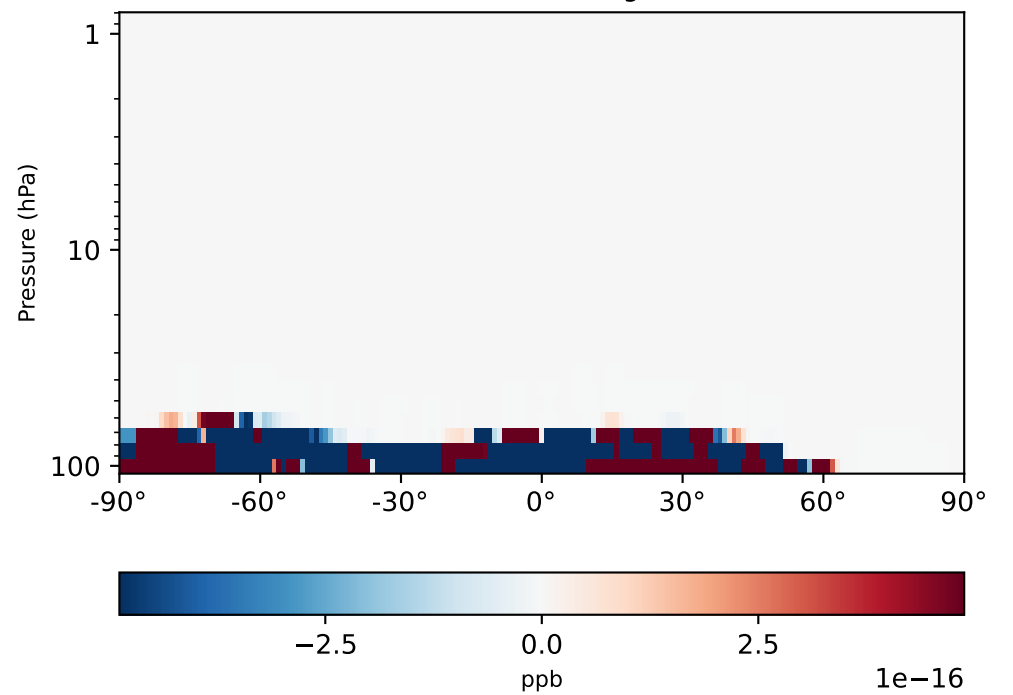
gchp-c24-1Mon-14.6.3 - gchp-c24-1Mon-14.6.2 (Dev)
1x1.25 regridded from c24



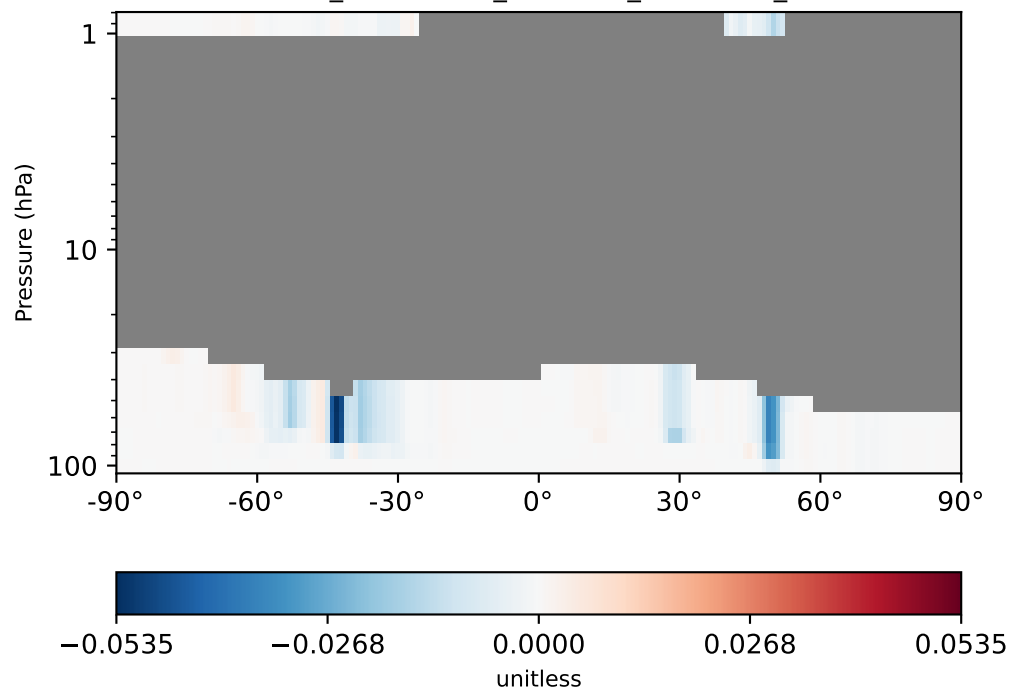
Difference (1x1.25)
Dev - Ref, Dynamic Range



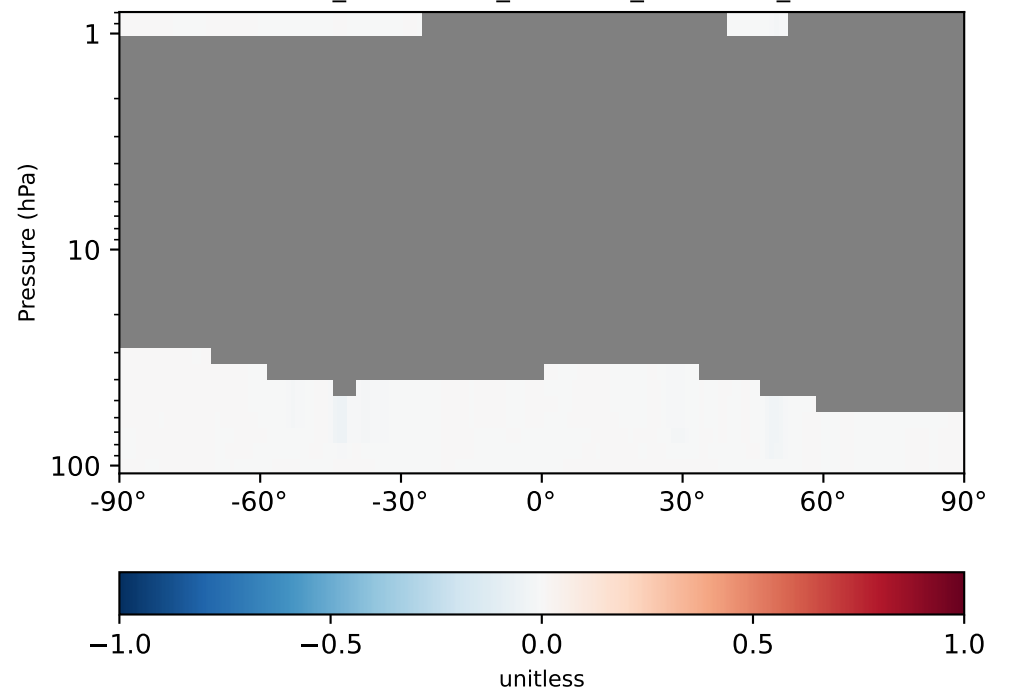
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



Difference (1x1.25), Dynamic Range
 $GCHP_dev / GCHP_ref - GCC_dev / GCC_ref$

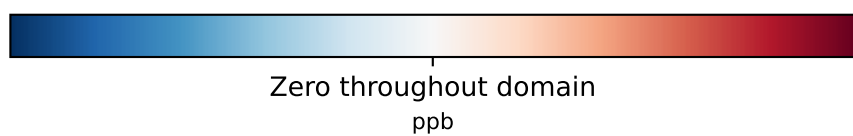
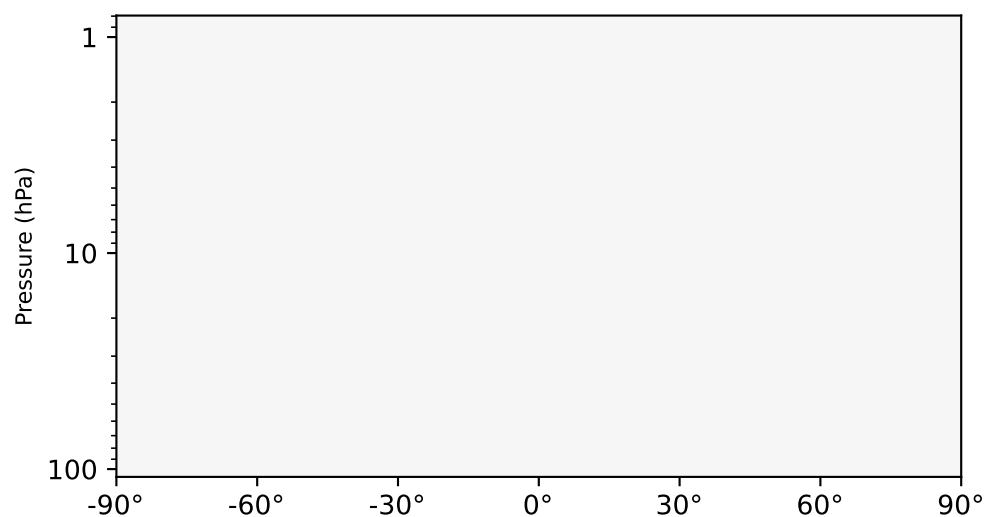


Difference (1x1.25), Restricted Range [5%,95%]
 $GCHP_dev / GCHP_ref - GCC_dev / GCC_ref$

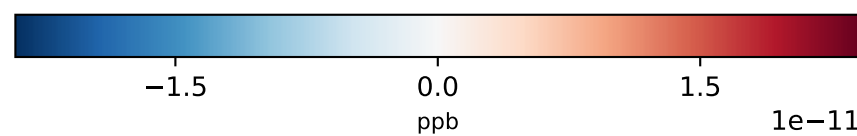
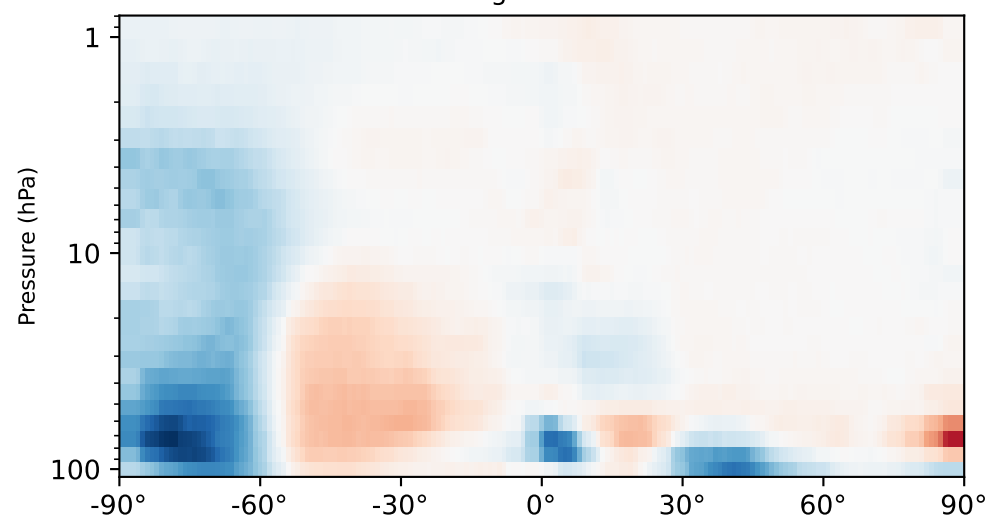


SpeciesConcVV_pFe, Zonal Mean

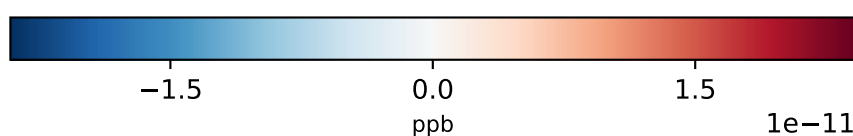
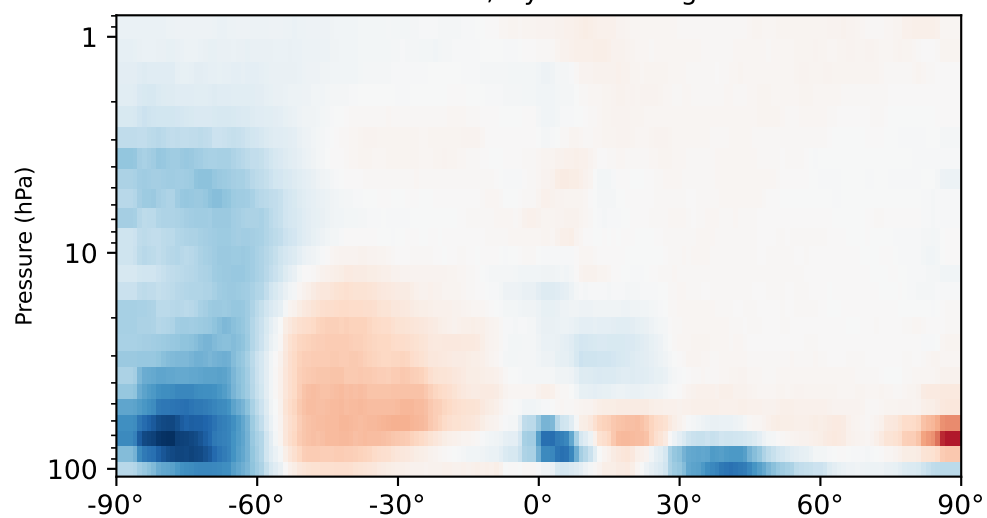
gcc-4x5-1Mon-14.6.3_ - gcc-4x5-1Mon-14.6.2 (Ref)
4.0x5.0



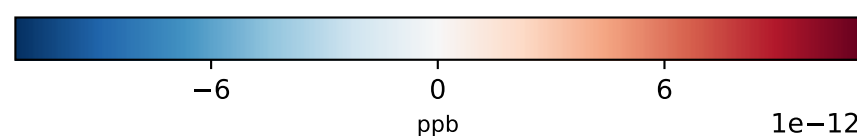
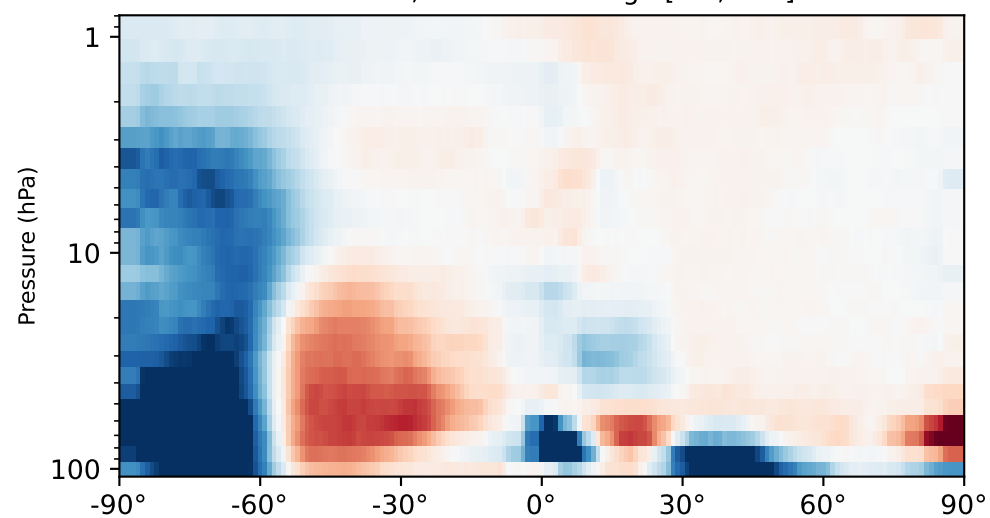
gchp-c24-1Mon-14.6.3_ - gchp-c24-1Mon-14.6.2 (Dev)
1x1.25 regridded from c24



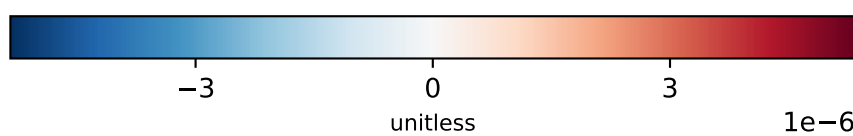
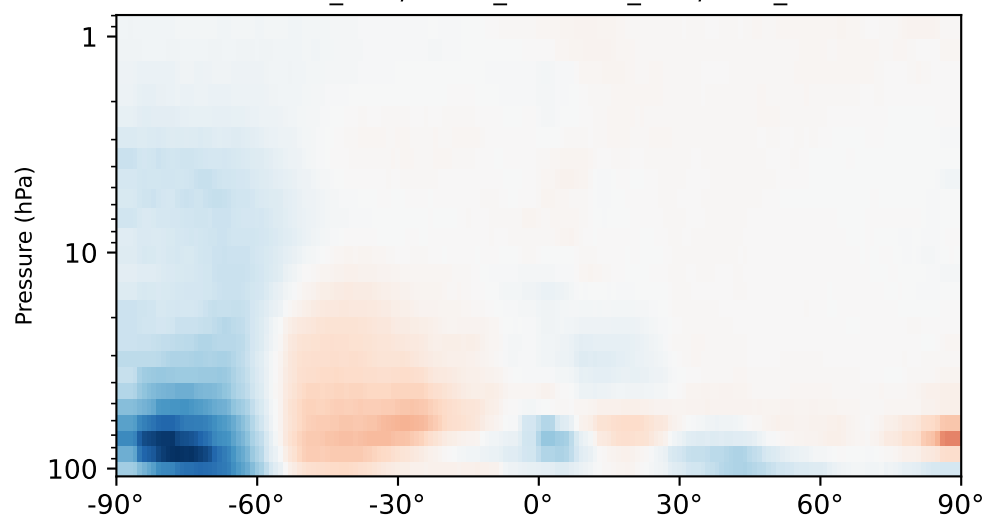
Difference (1x1.25)
Dev - Ref, Dynamic Range



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

