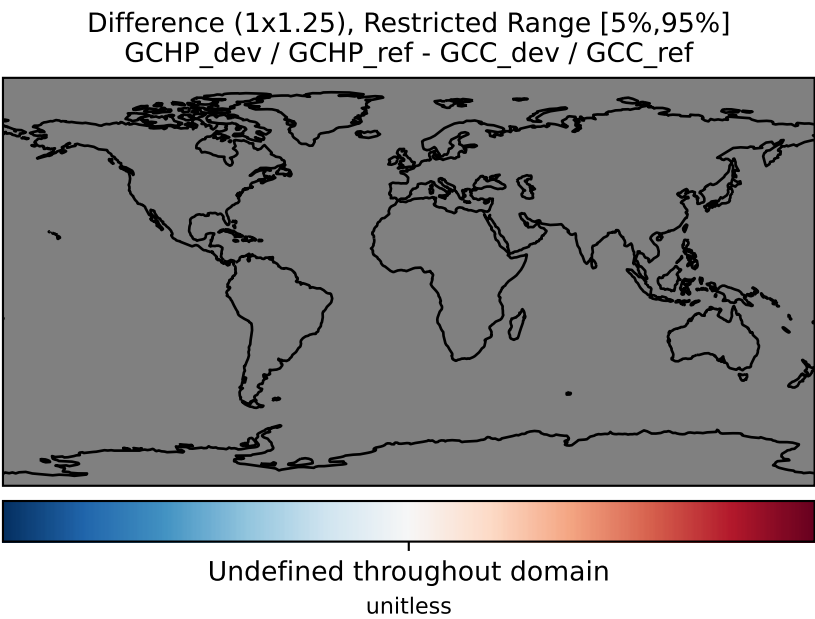
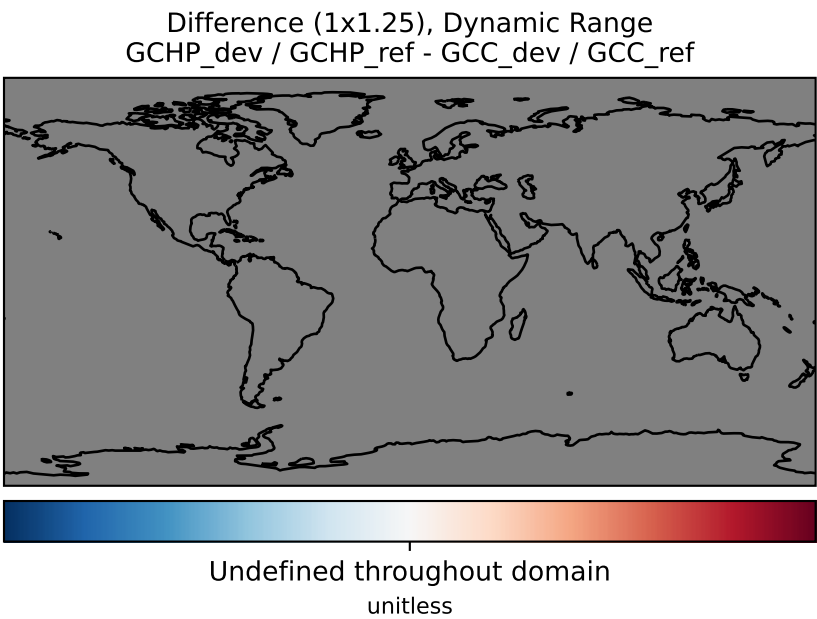
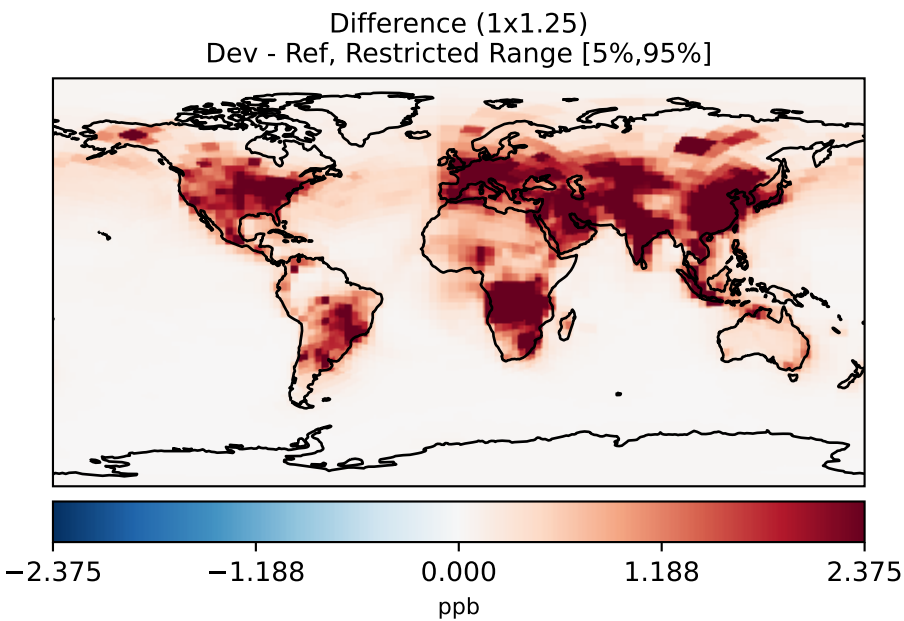
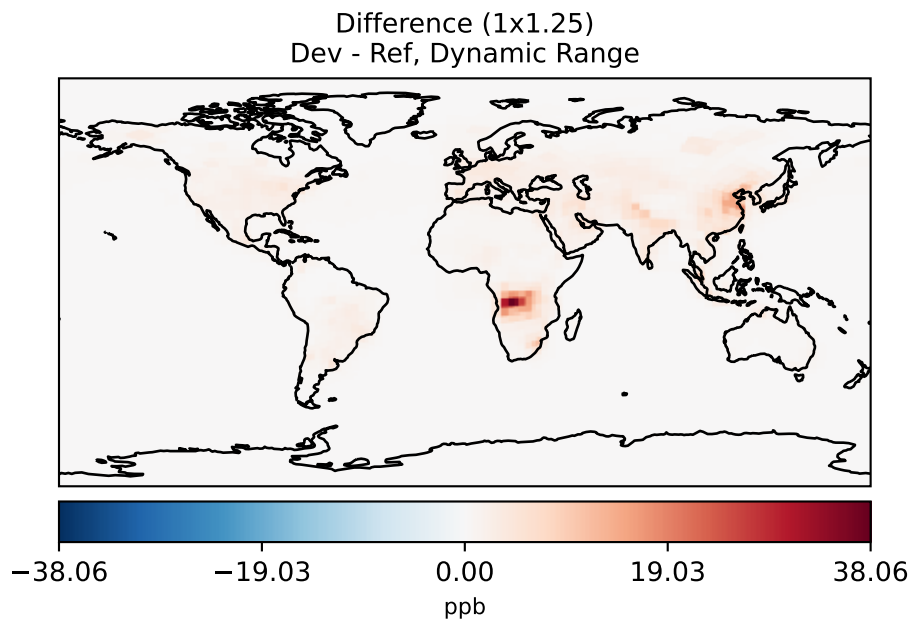
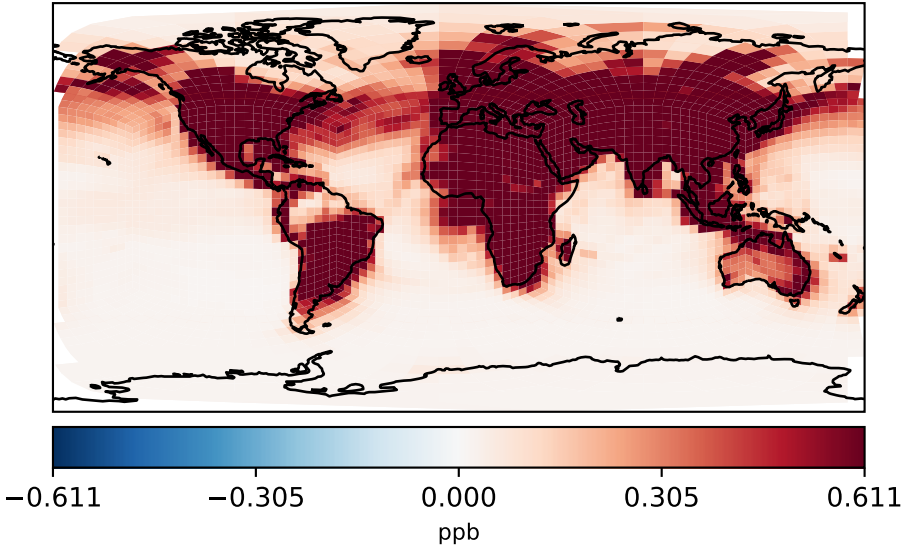
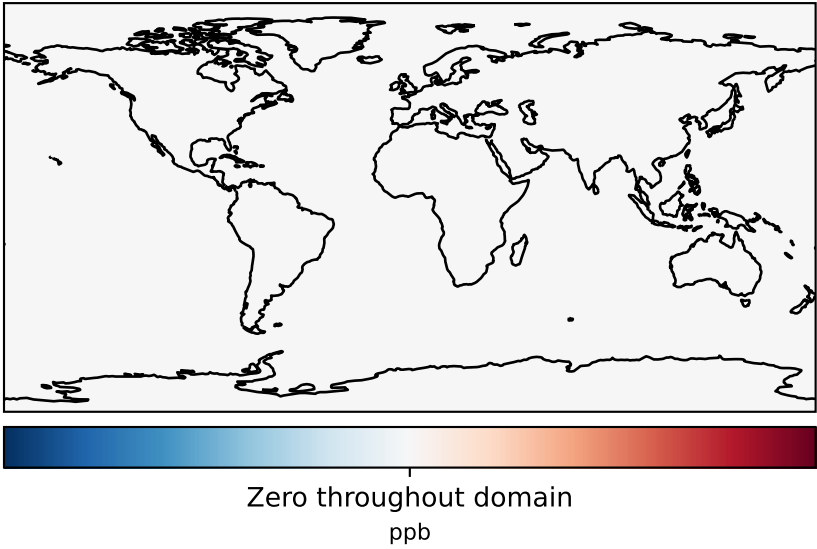


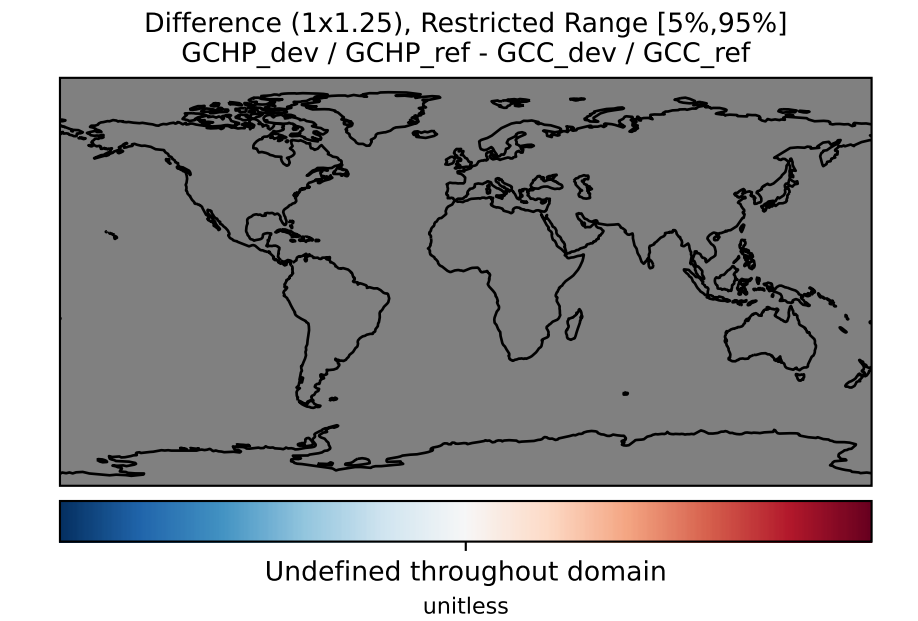
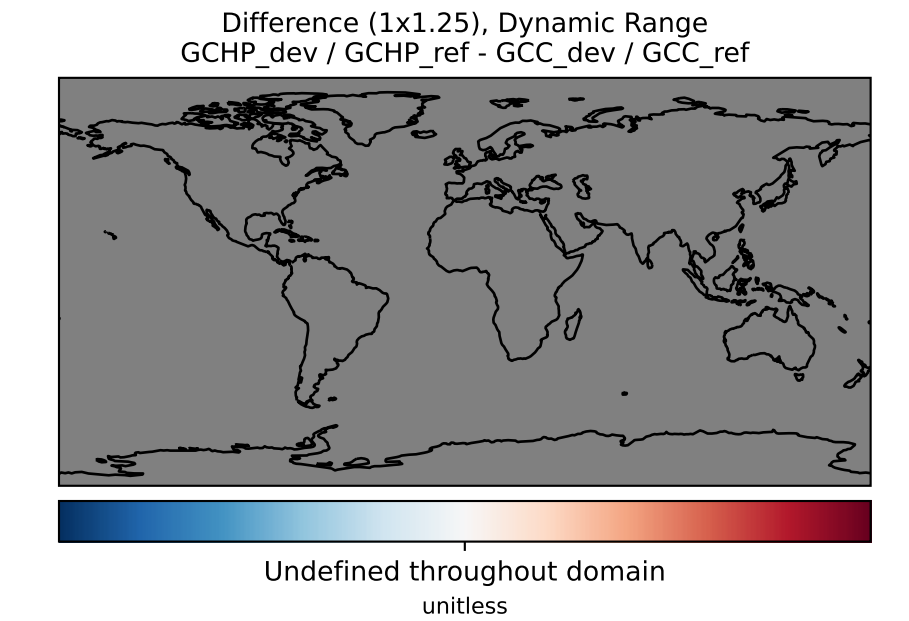
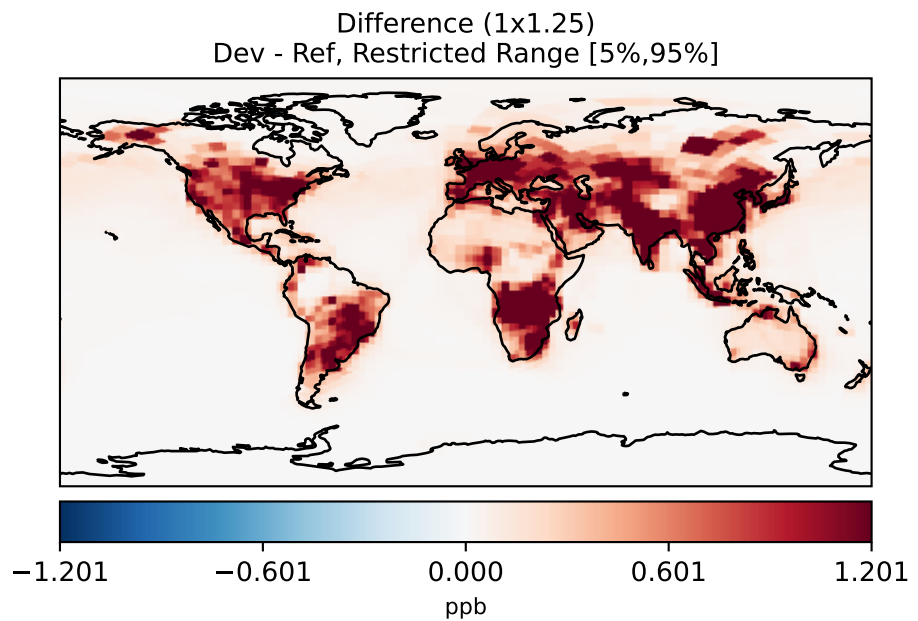
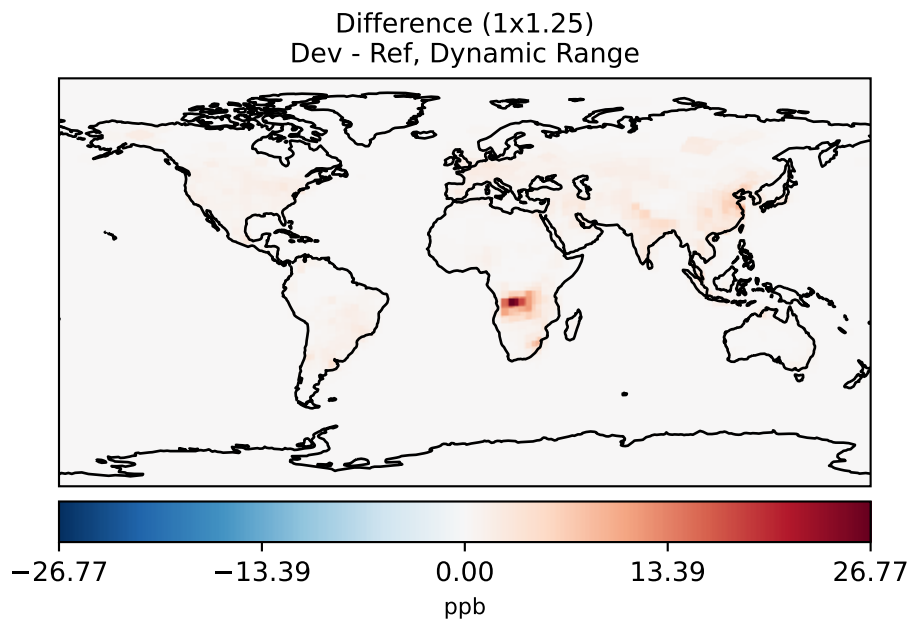
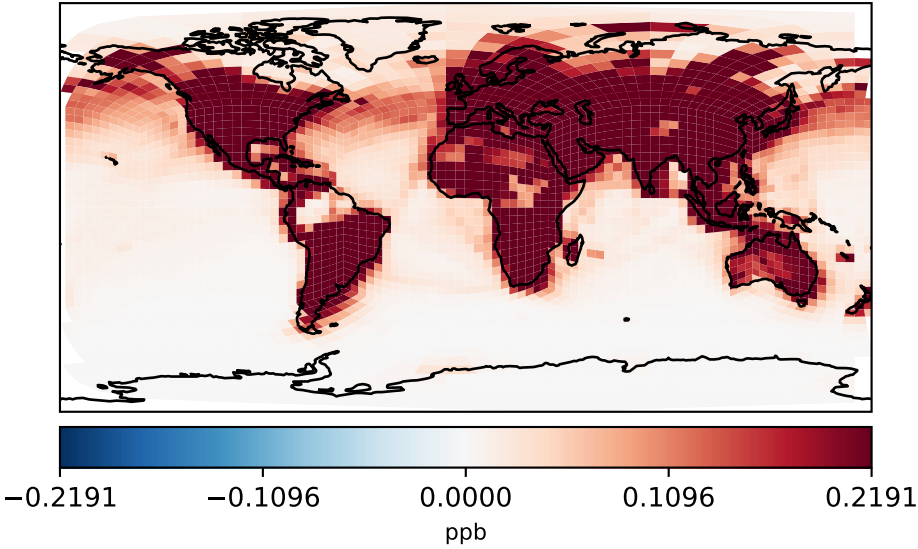
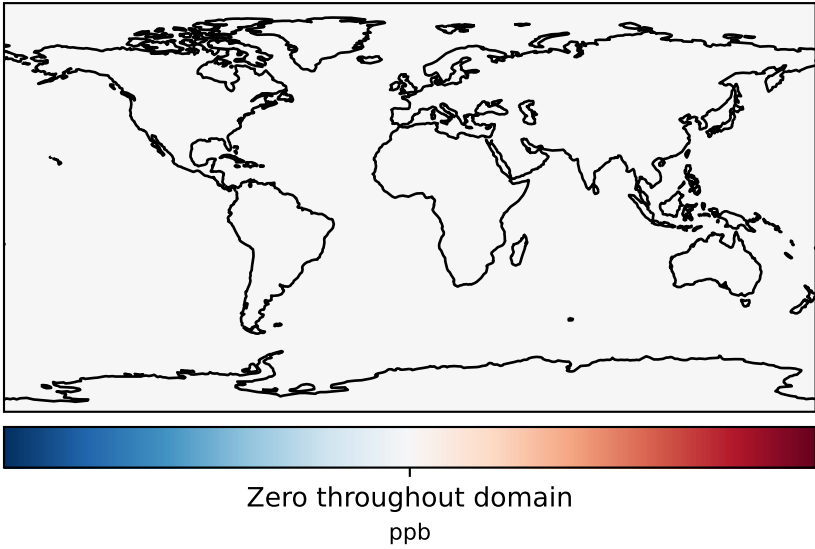
SpeciesConcVV_NOy

gcc-4x5-1Mon-14.6.0-alpha.15_-_gcc-4x5-1Mon-14.6.0-alpha.14 (Ref) 4.0x5.0 gchp-c24-1Mon-14.6.0-alpha.15_-_gchp-c24-1Mon-14.6.0-alpha.14 (Dev) c24



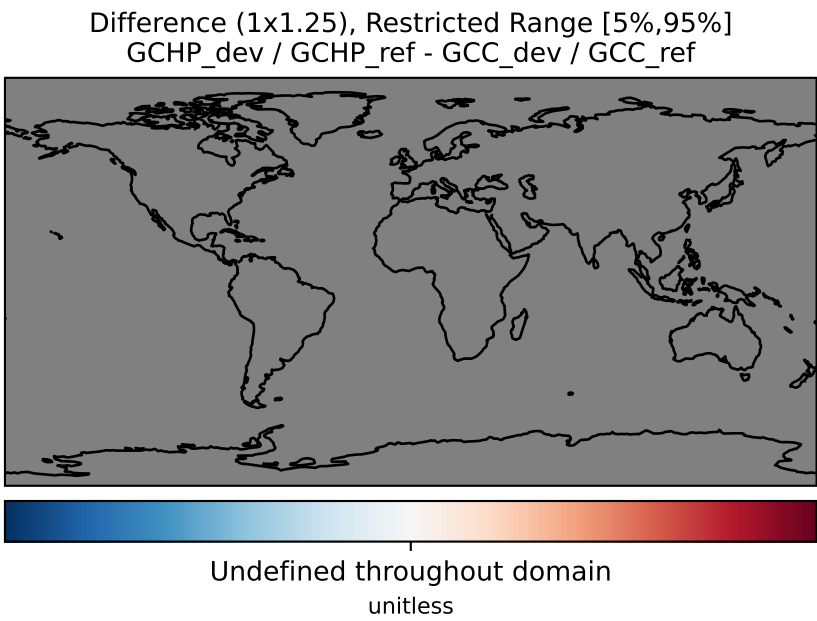
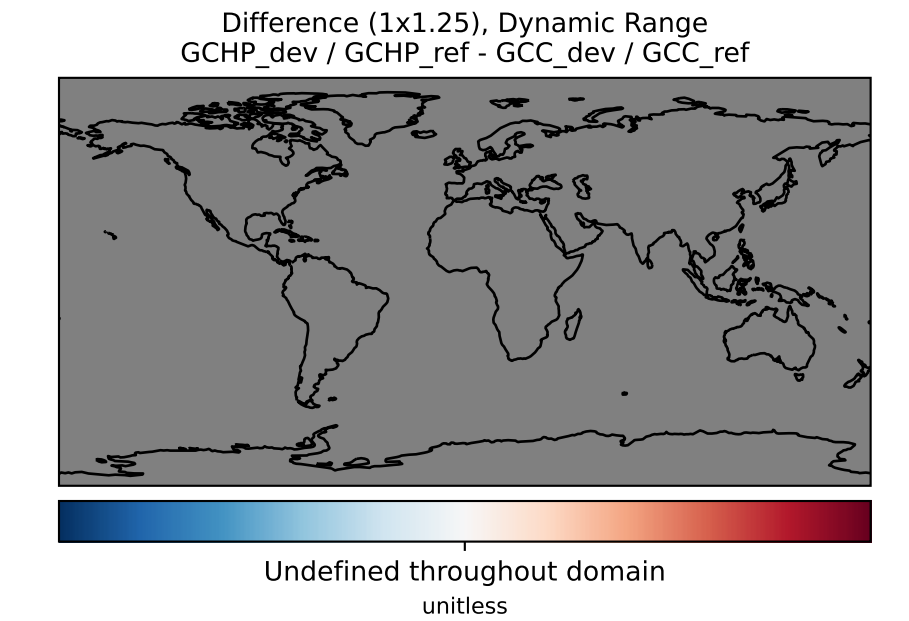
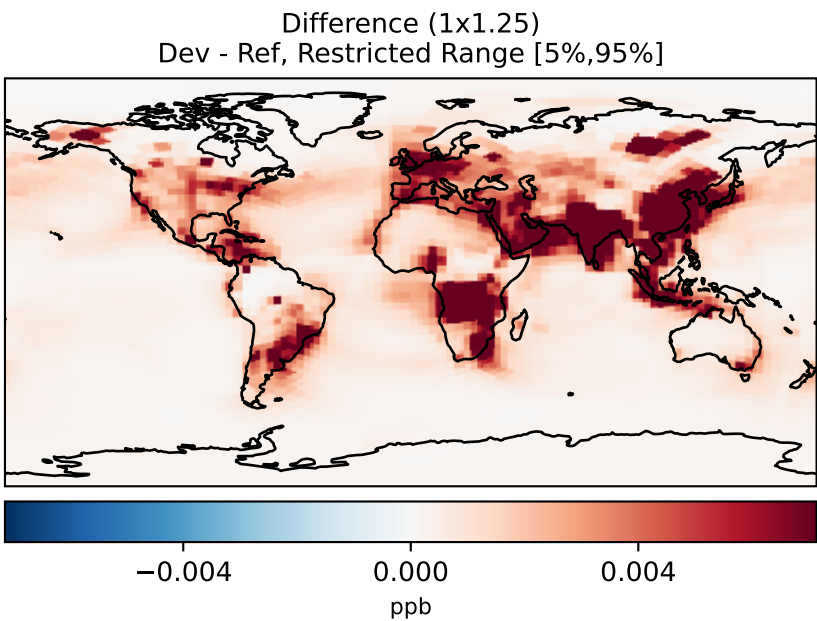
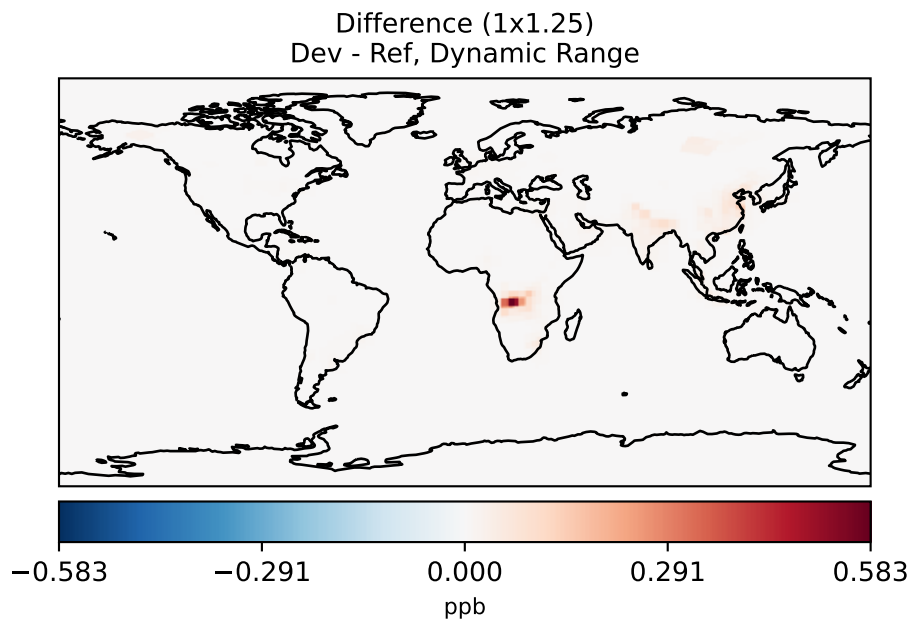
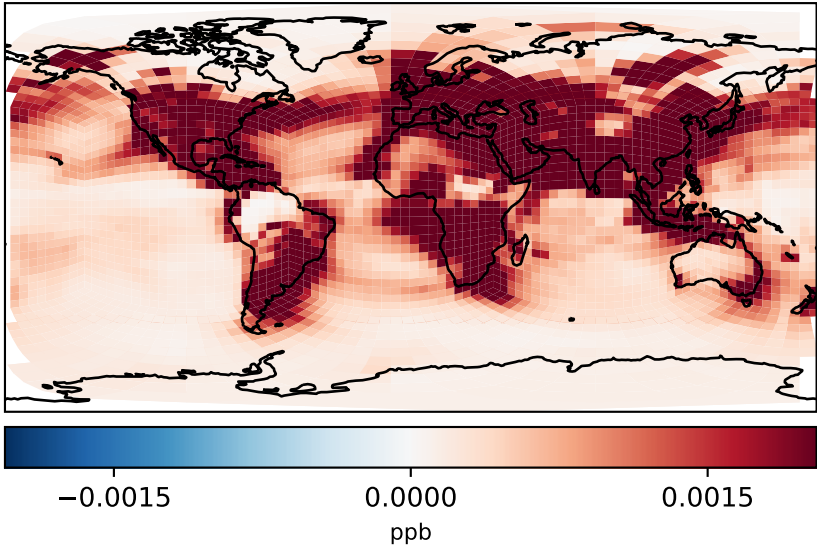
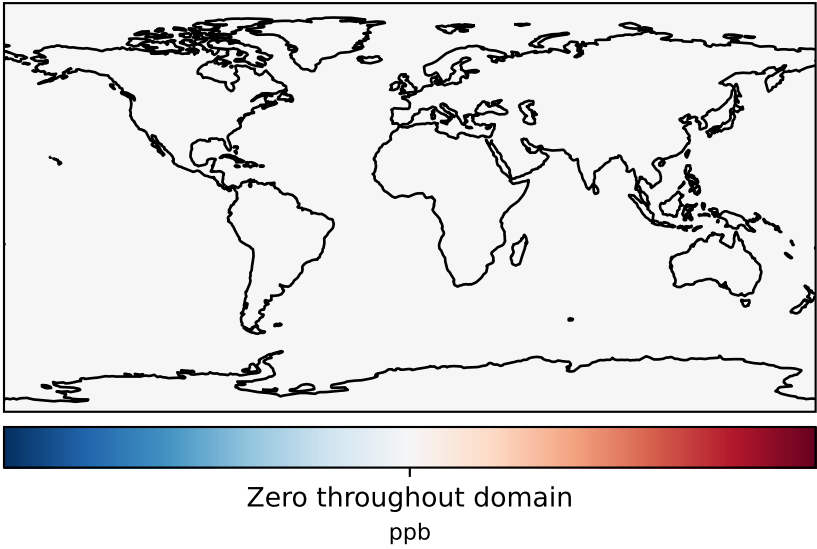
SpeciesConcVV_NOx

gcc-4x5-1Mon-14.6.0-alpha.15_-_gcc-4x5-1Mon-14.6.0-alpha.14 (Ref) 4.0x5.0 gchp-c24-1Mon-14.6.0-alpha.15_-_gchp-c24-1Mon-14.6.0-alpha.14 (Dev) c24



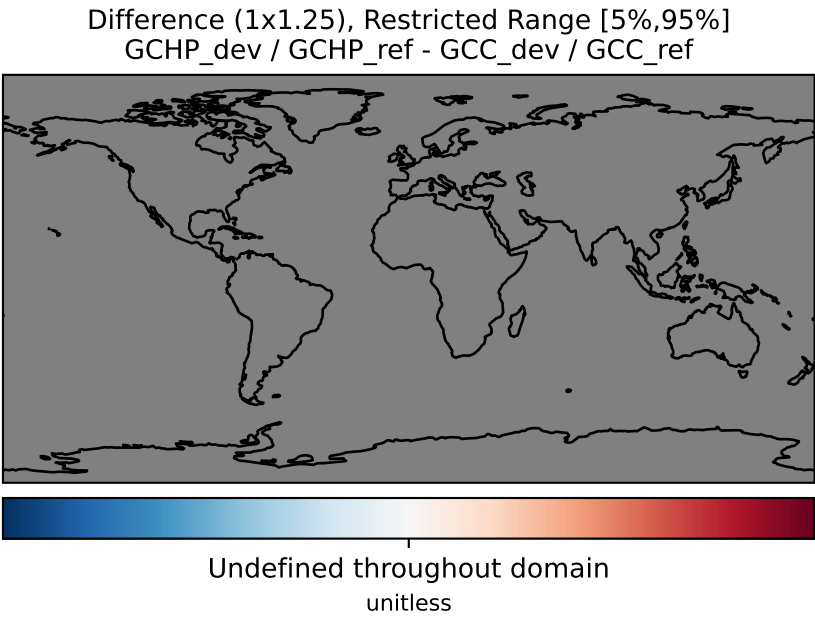
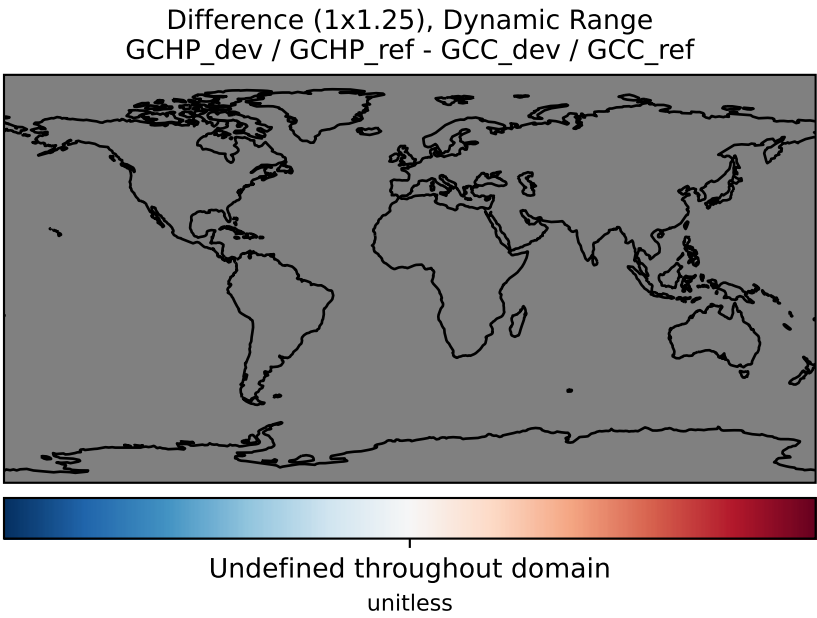
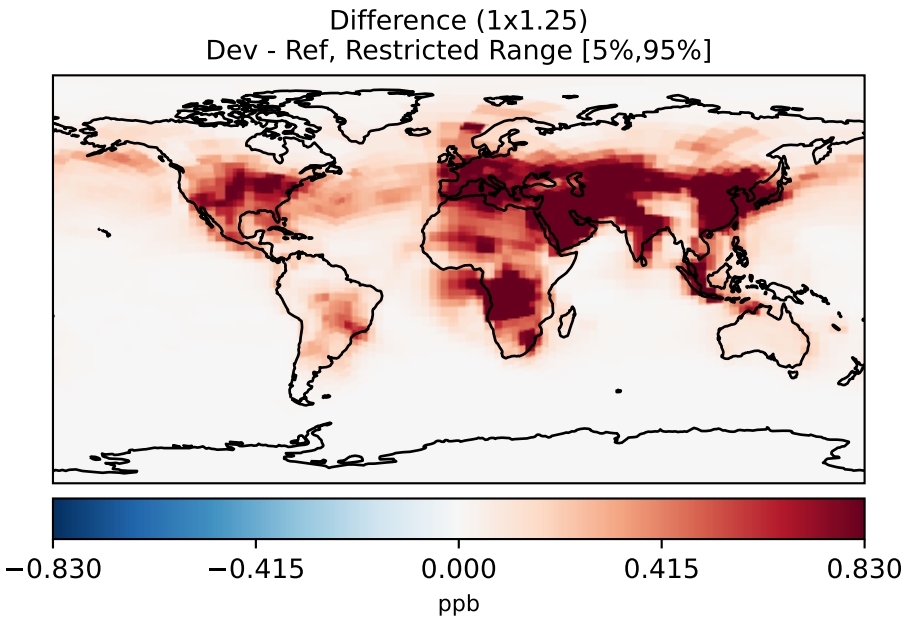
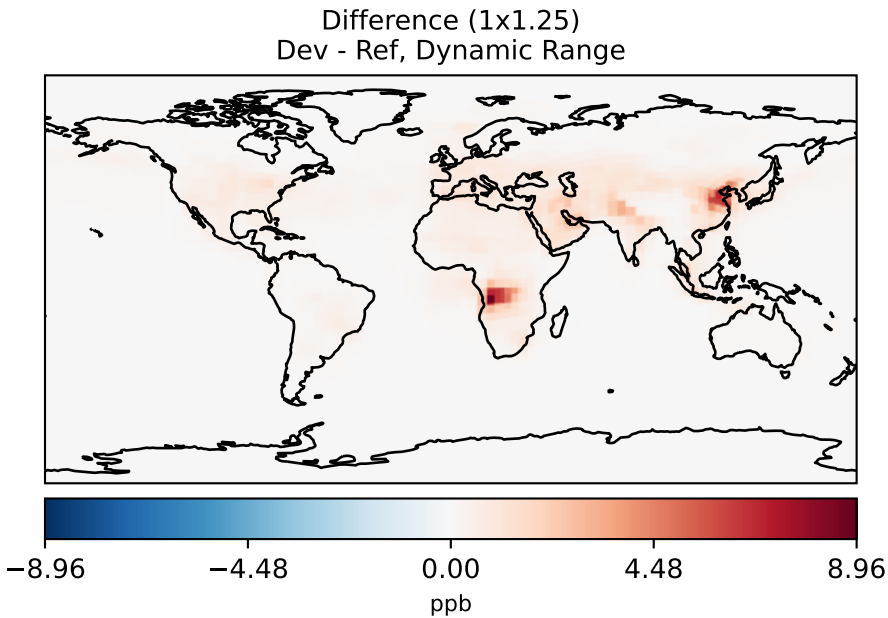
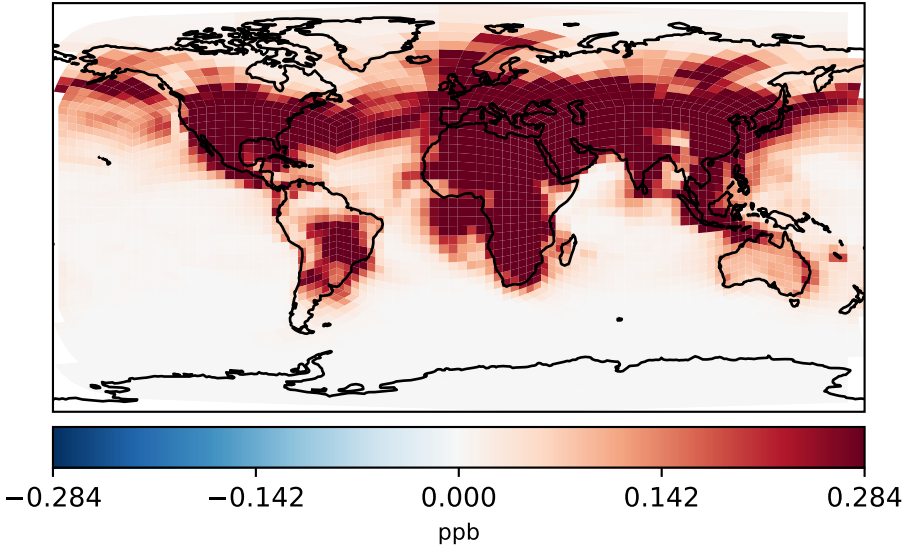
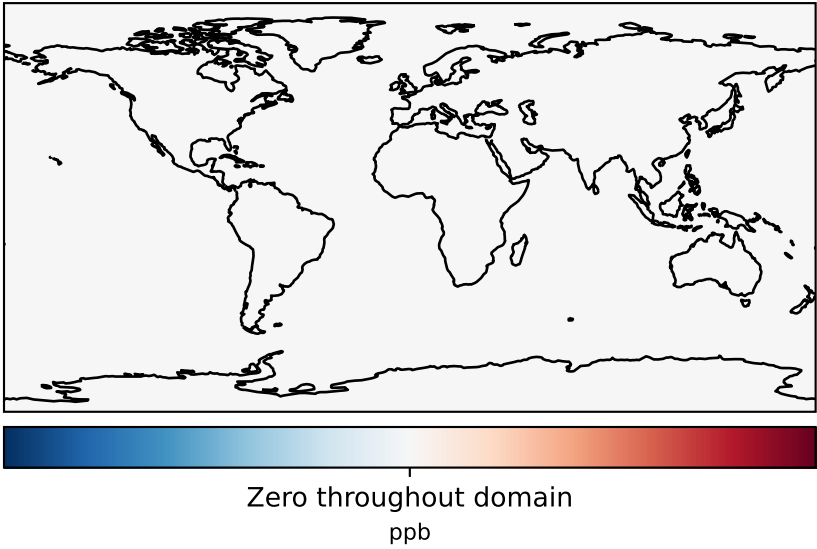
SpeciesConcVV_HNO2

gcc-4x5-1Mon-14.6.0-alpha.15_-_gcc-4x5-1Mon-14.6.0-alpha.14 (Ref) 4.0x5.0 gchp-c24-1Mon-14.6.0-alpha.15_-_gchp-c24-1Mon-14.6.0-alpha.14 (Dev) c24



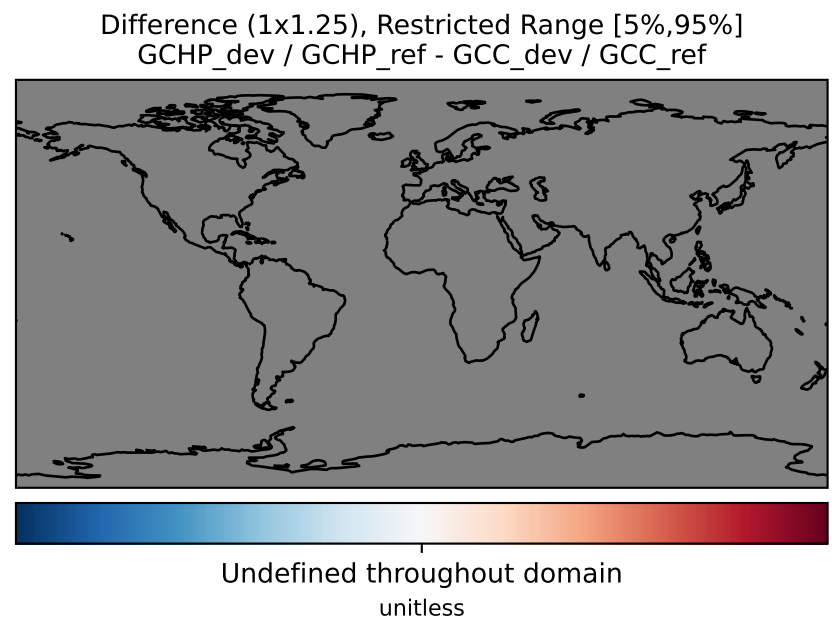
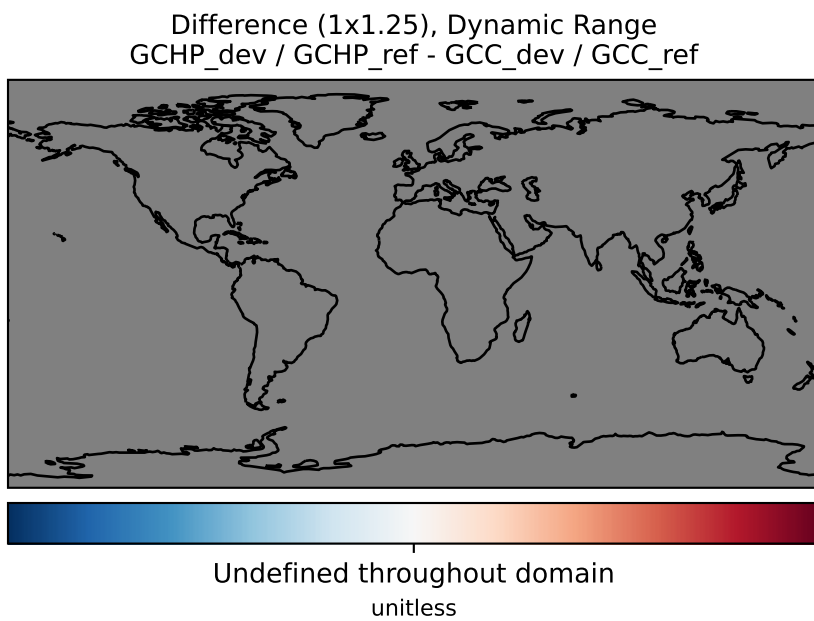
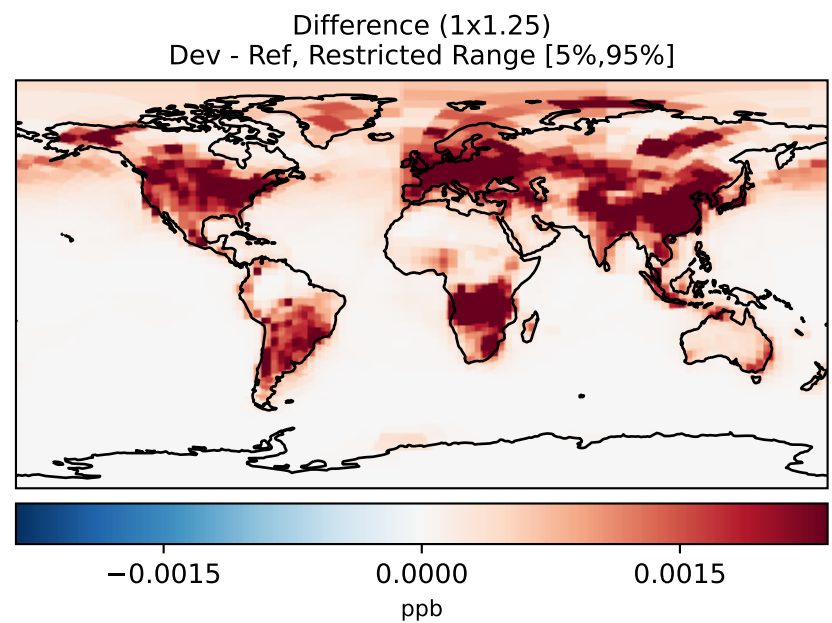
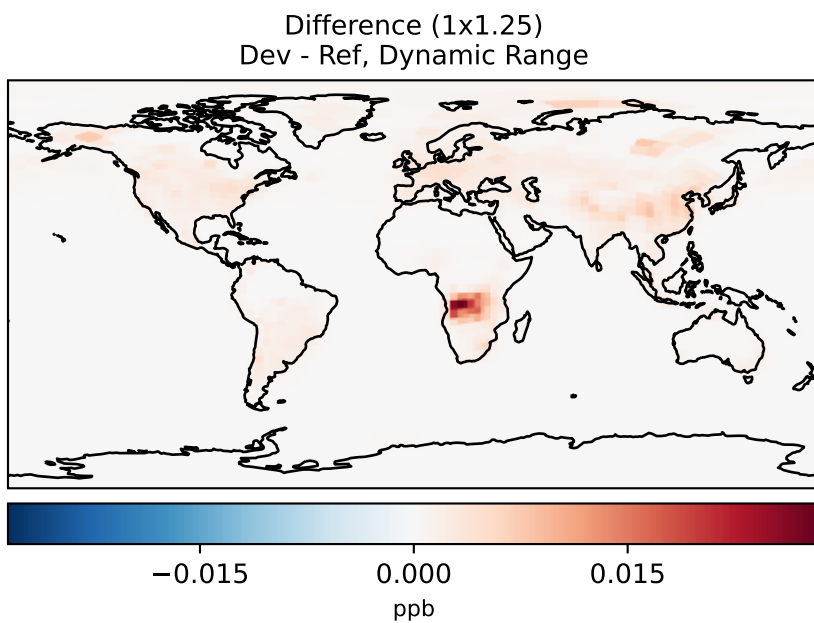
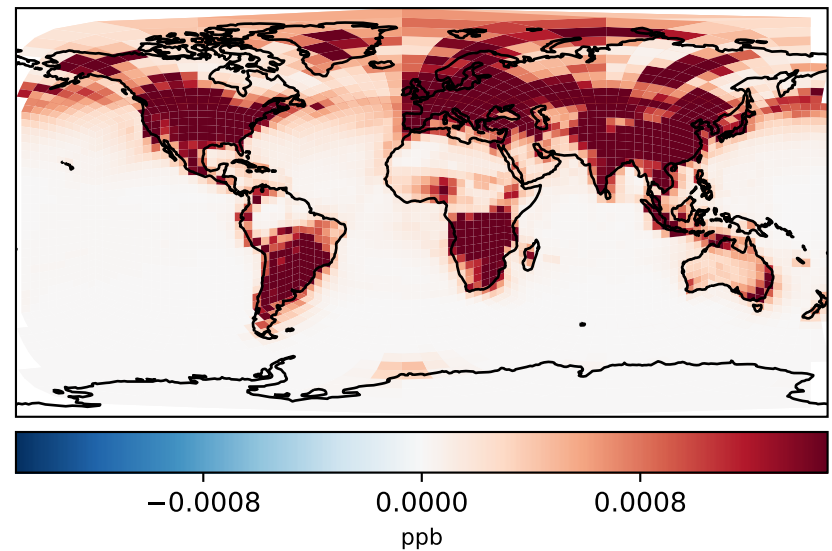
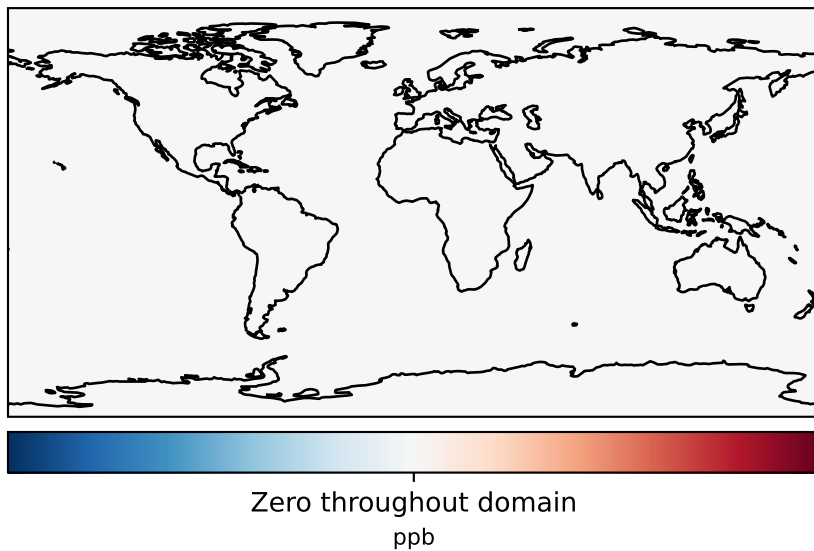
SpeciesConcVV_HNO3

gcc-4x5-1Mon-14.6.0-alpha.15_-_gcc-4x5-1Mon-14.6.0-alpha.14 (Ref) 4.0x5.0 gchp-c24-1Mon-14.6.0-alpha.15_-_gchp-c24-1Mon-14.6.0-alpha.14 (Dev) c24



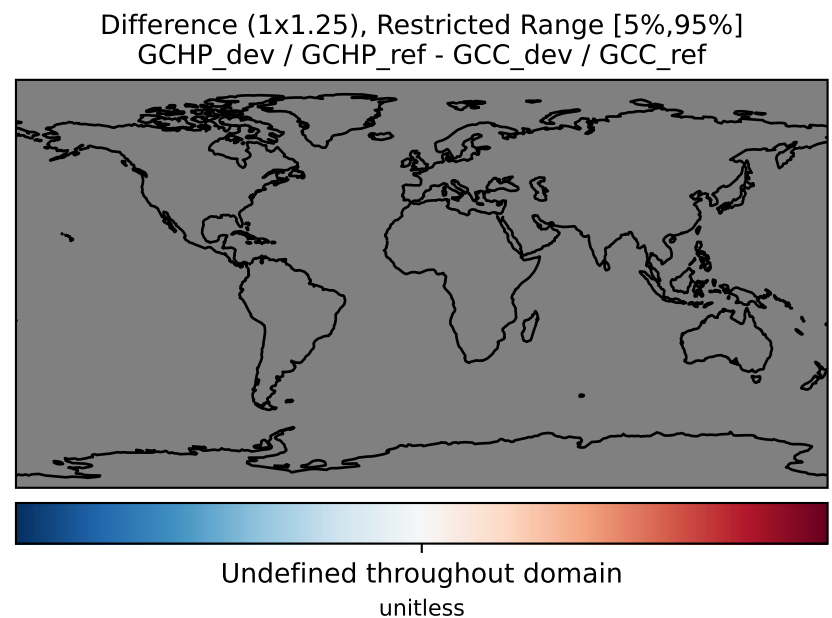
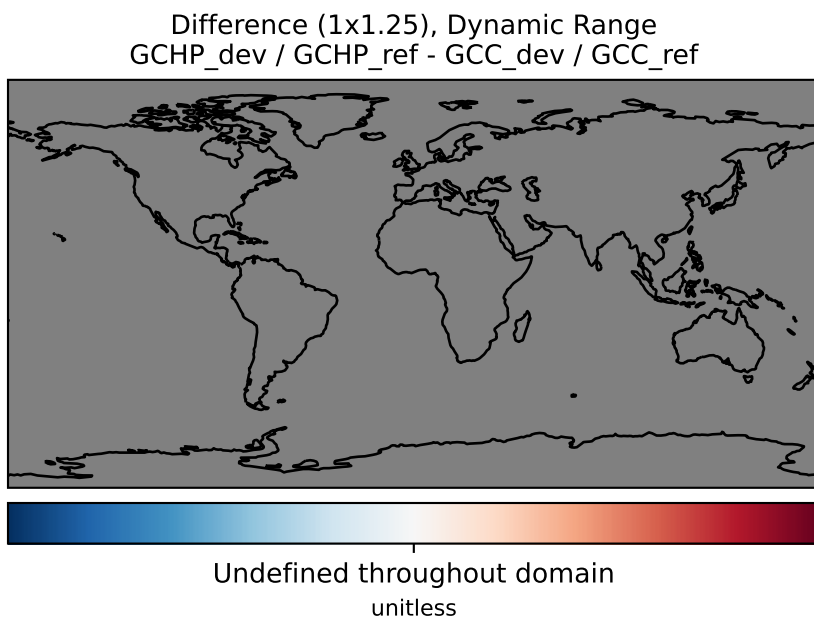
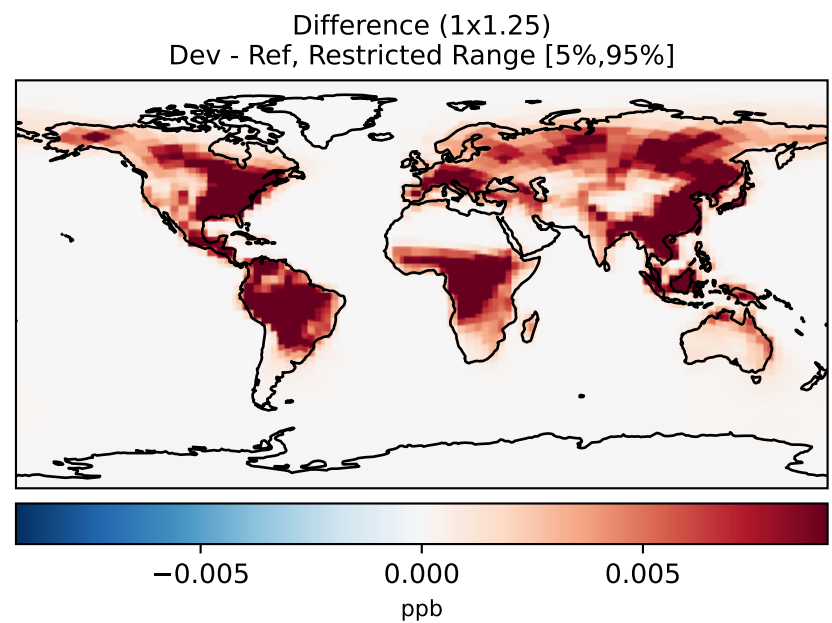
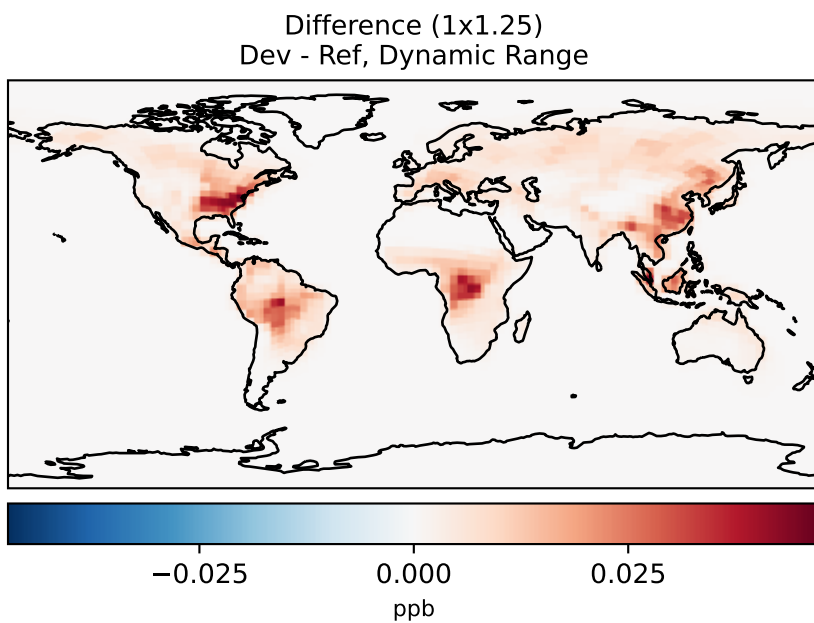
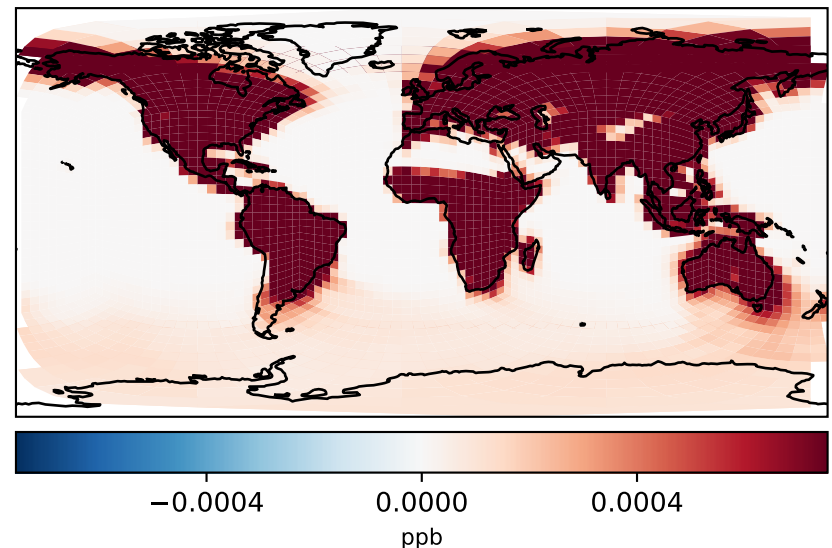
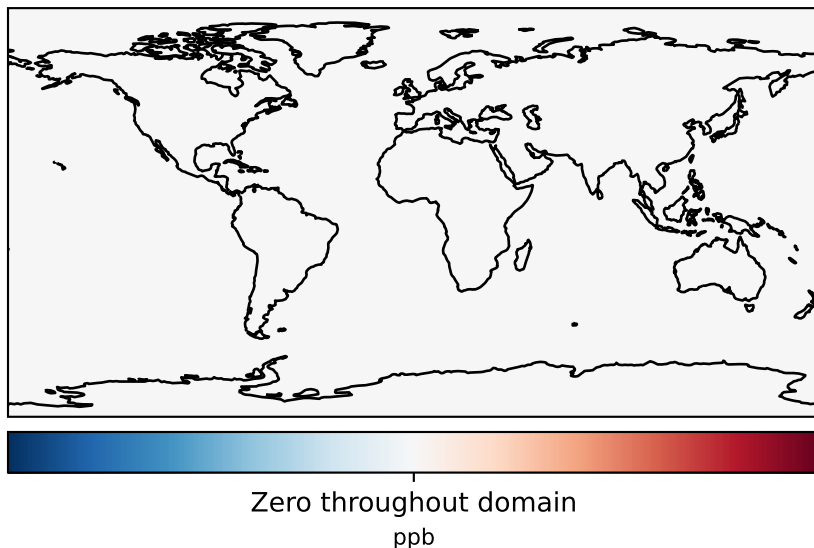
SpeciesConcVV_HNO4

gcc-4x5-1Mon-14.6.0-alpha.15_-_gcc-4x5-1Mon-14.6.0-alpha.14 (Ref) 4.0x5.0 gchp-c24-1Mon-14.6.0-alpha.15_-_gchp-c24-1Mon-14.6.0-alpha.14 (Dev) c24



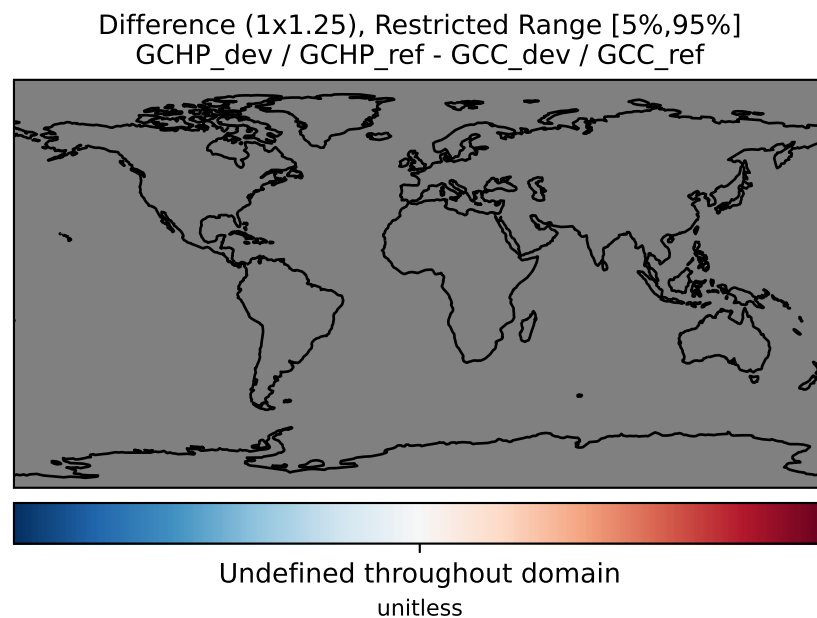
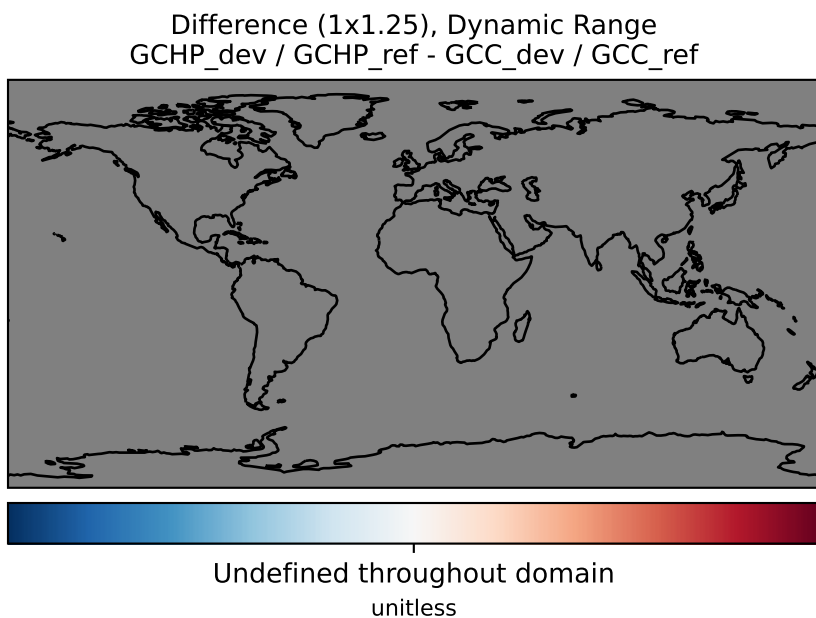
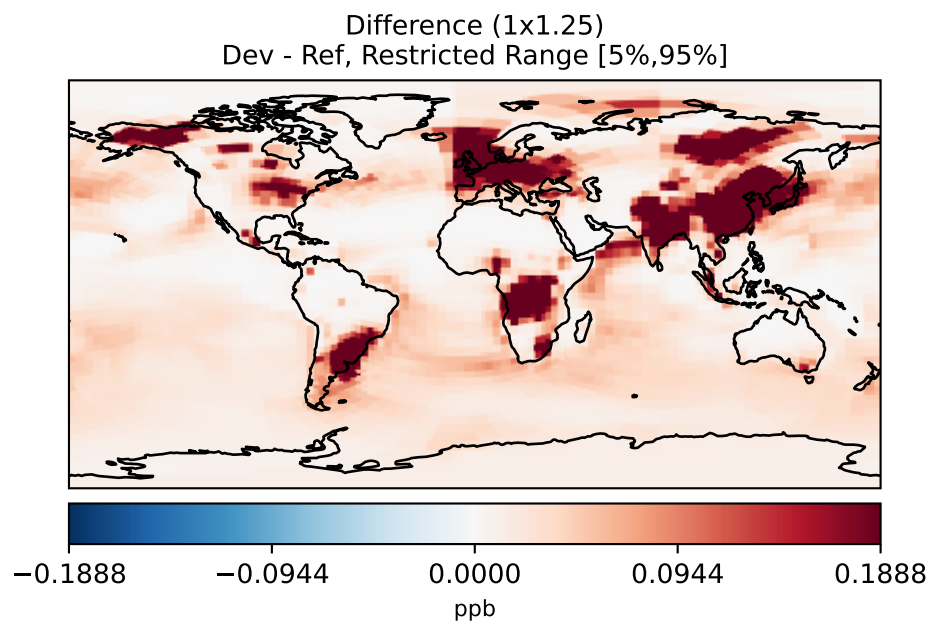
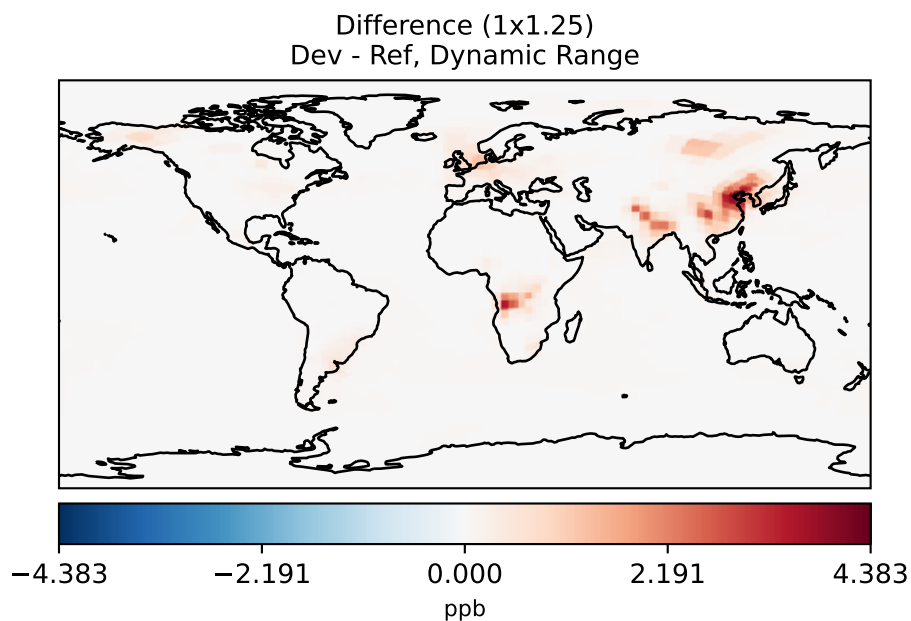
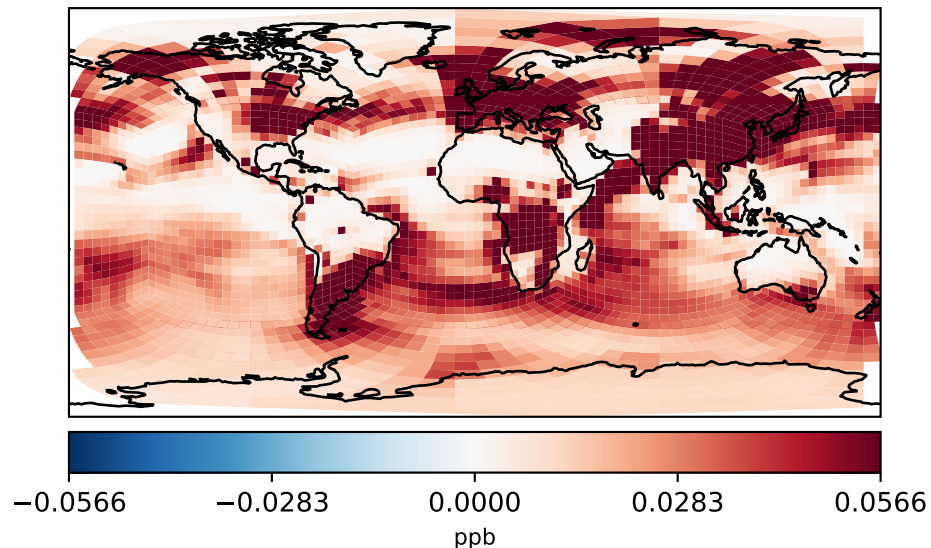
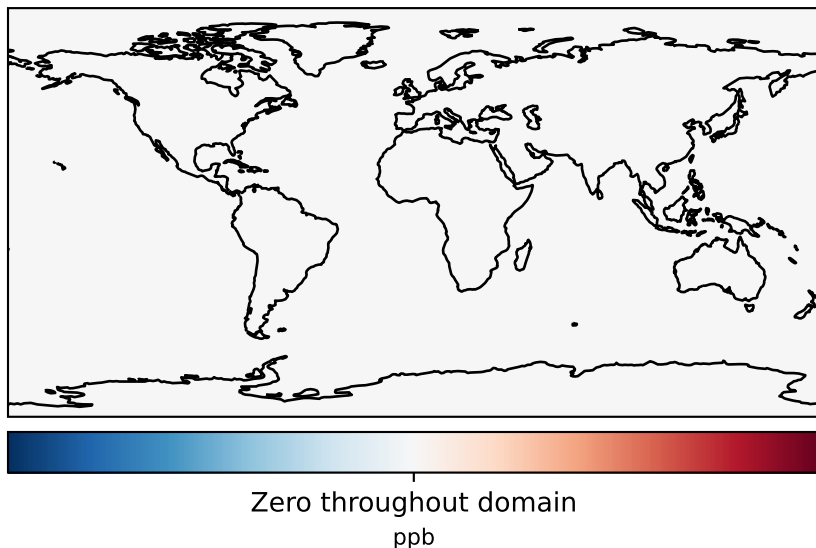
SpeciesConcVV_MPAN

gcc-4x5-1Mon-14.6.0-alpha.15_-_gcc-4x5-1Mon-14.6.0-alpha.14 (Ref) 4.0x5.0 gchp-c24-1Mon-14.6.0-alpha.15_-_gchp-c24-1Mon-14.6.0-alpha.14 (Dev) c24



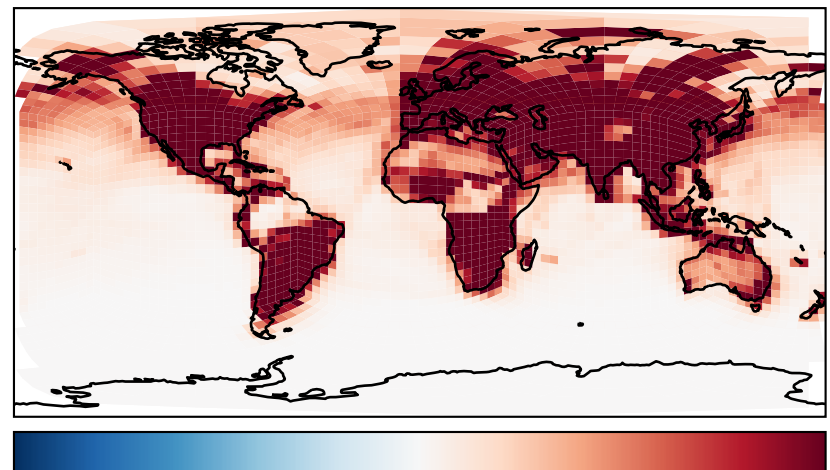
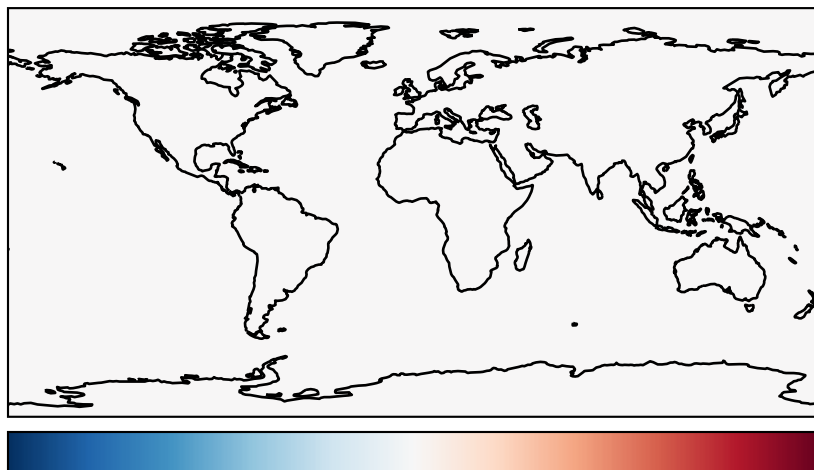
SpeciesConcVV_NIT

gcc-4x5-1Mon-14.6.0-alpha.15_-_gcc-4x5-1Mon-14.6.0-alpha.14 (Ref) 4.0x5.0 gchp-c24-1Mon-14.6.0-alpha.15_-_gchp-c24-1Mon-14.6.0-alpha.14 (Dev) c24

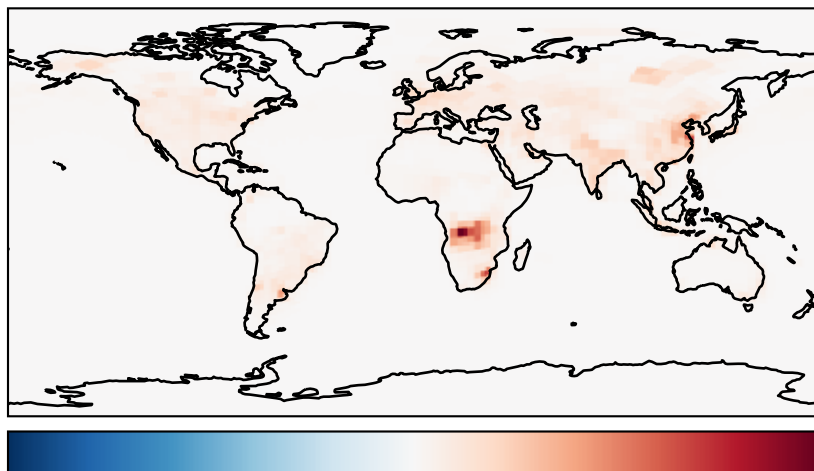


SpeciesConcVV_NO

gcc-4x5-1Mon-14.6.0-alpha.15_-_gcc-4x5-1Mon-14.6.0-alpha.14 (Ref) 4.0x5.0 gchp-c24-1Mon-14.6.0-alpha.15_-_gchp-c24-1Mon-14.6.0-alpha.14 (Dev) c24

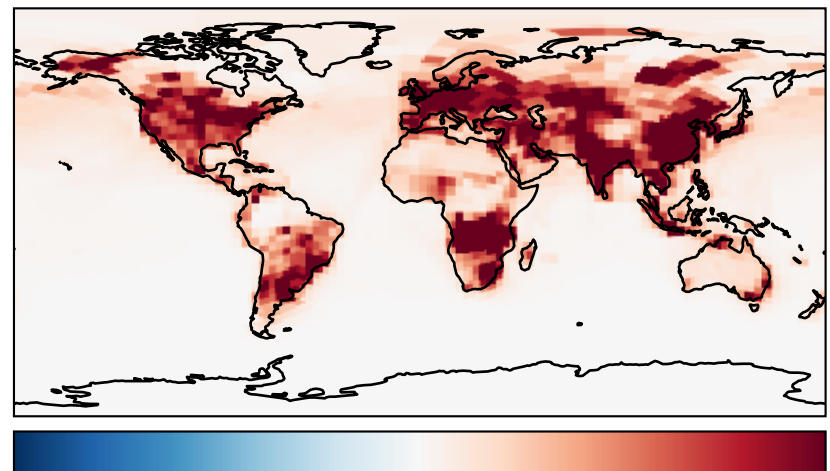


Difference (1x1.25)
Dev - Ref, Dynamic Range



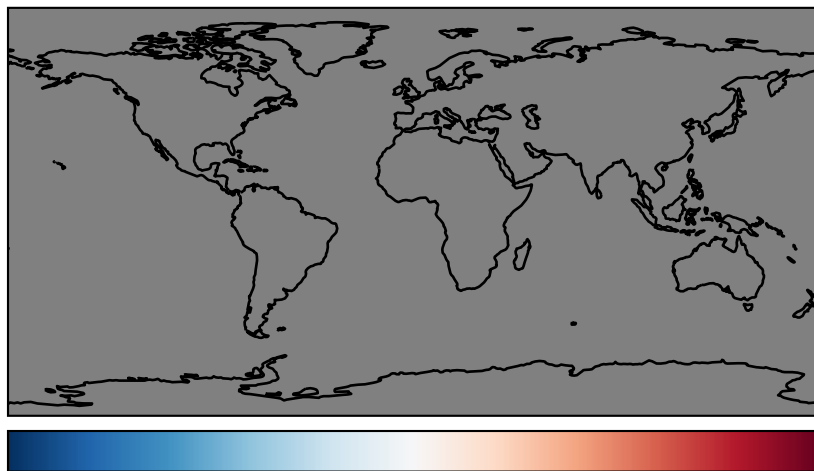
-1.090 -0.545 0.000 0.545 1.090
ppb

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



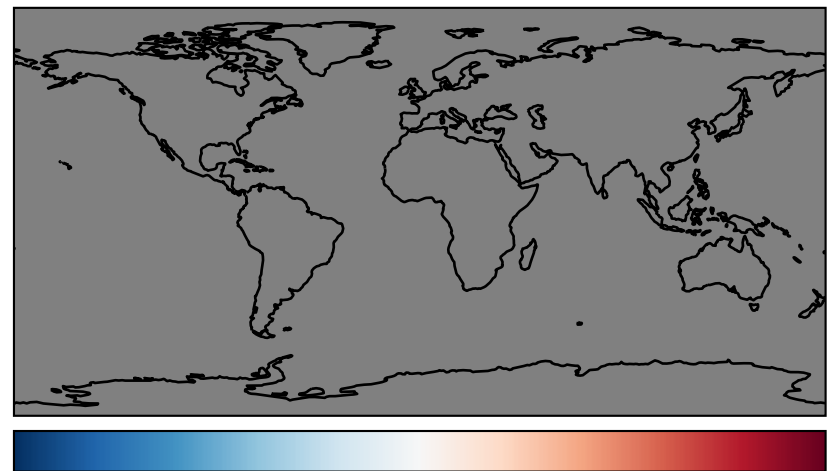
-0.0952 -0.0476 0.0000 0.0476 0.0952
ppb

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



Undefined throughout domain
unitless

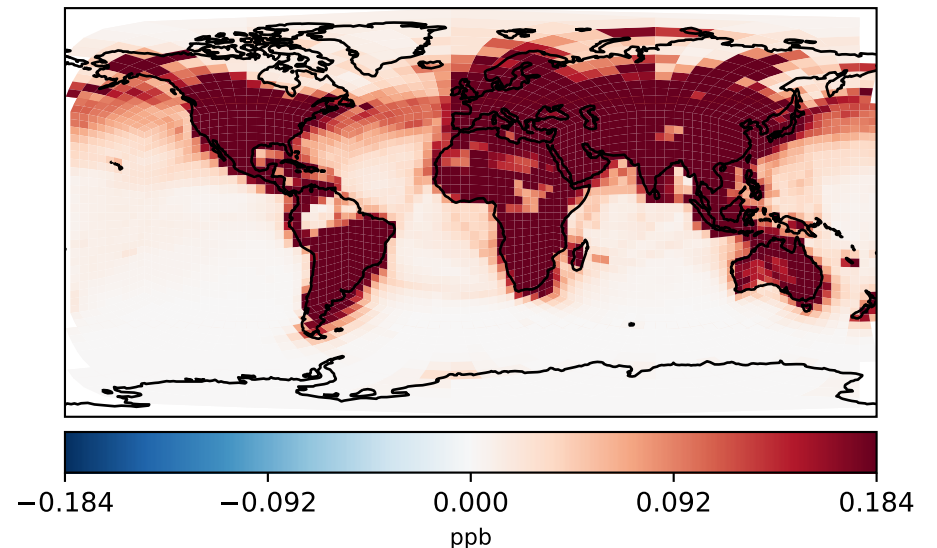
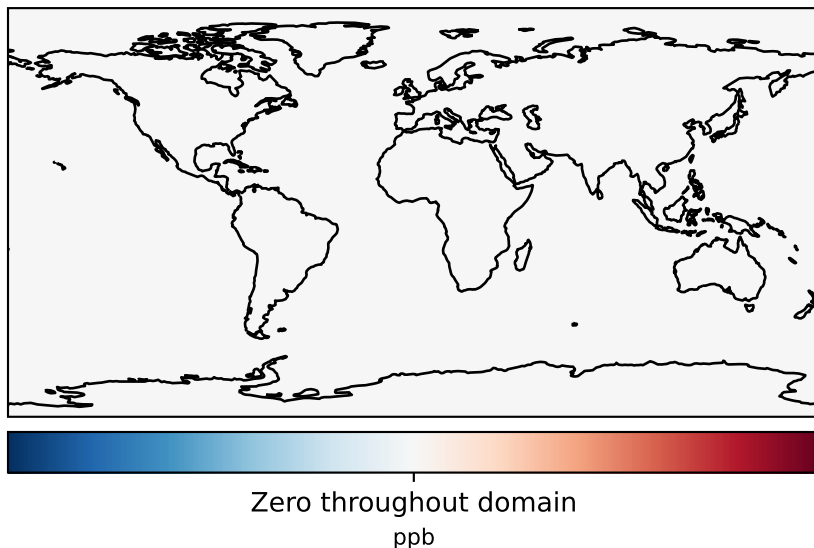
Difference (1x1.25), Restricted Range [5%,95%]
 $\text{GCHP_dev} / \text{GCHP_ref} - \text{GCC_dev} / \text{GCC_ref}$



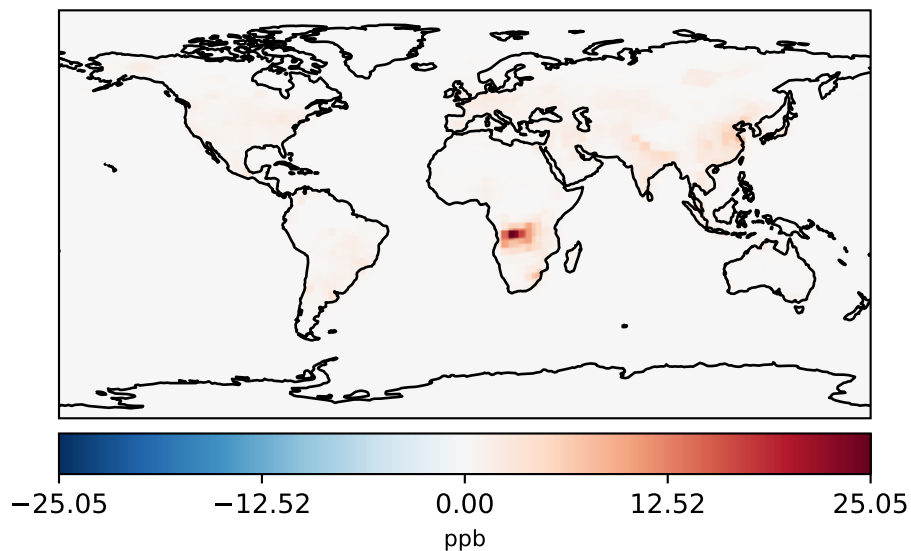
Undefined throughout domain
unitless

SpeciesConcVV_NO2

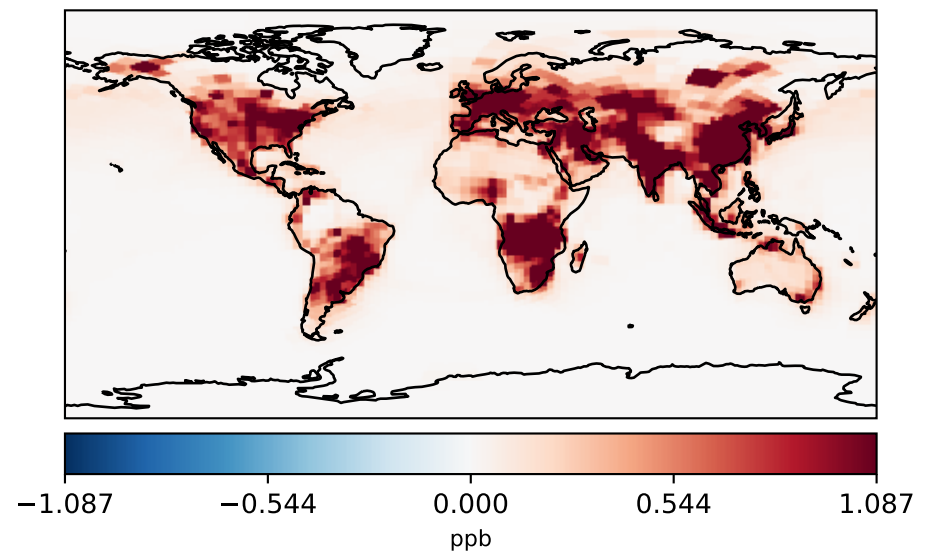
gcc-4x5-1Mon-14.6.0-alpha.15_-_gcc-4x5-1Mon-14.6.0-alpha.14 (Ref) 4.0x5.0 gchp-c24-1Mon-14.6.0-alpha.15_-_gchp-c24-1Mon-14.6.0-alpha.14 (Dev) c24



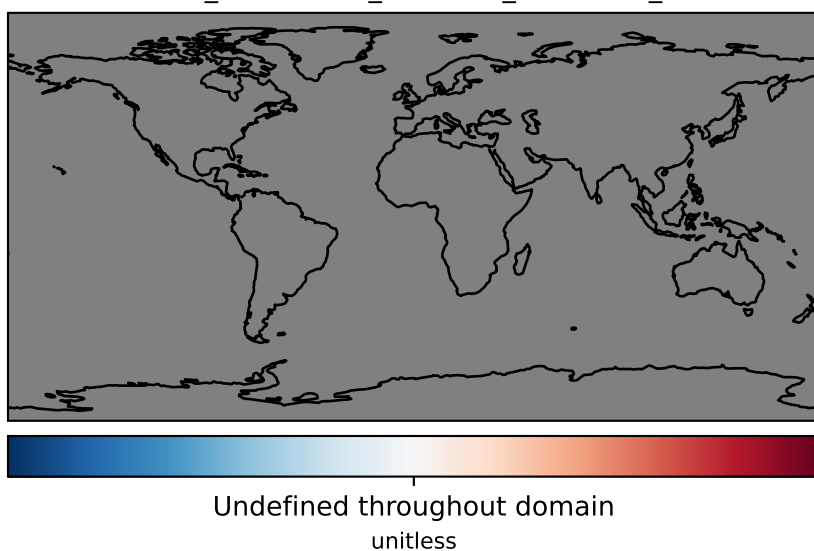
Difference (1x1.25)
Dev - Ref, Dynamic Range



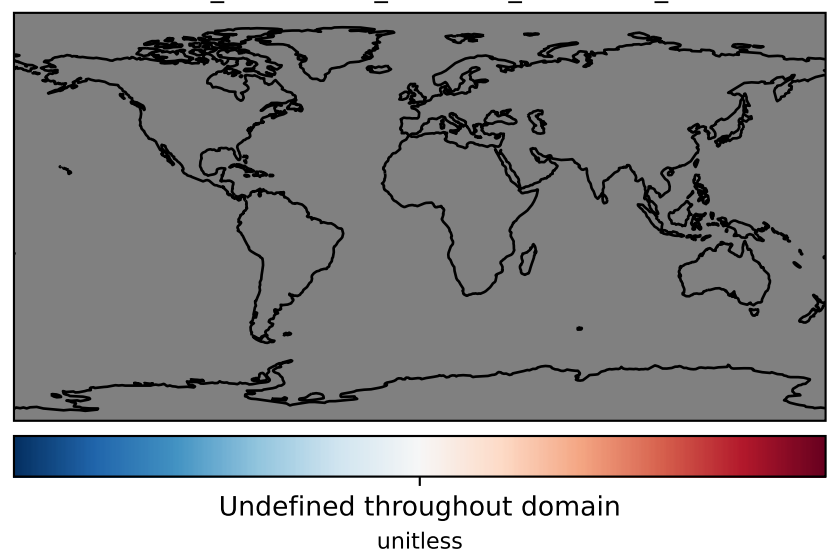
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

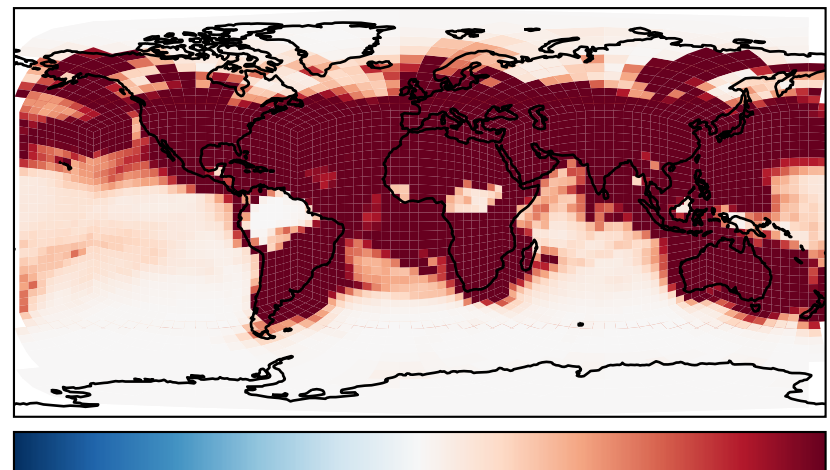
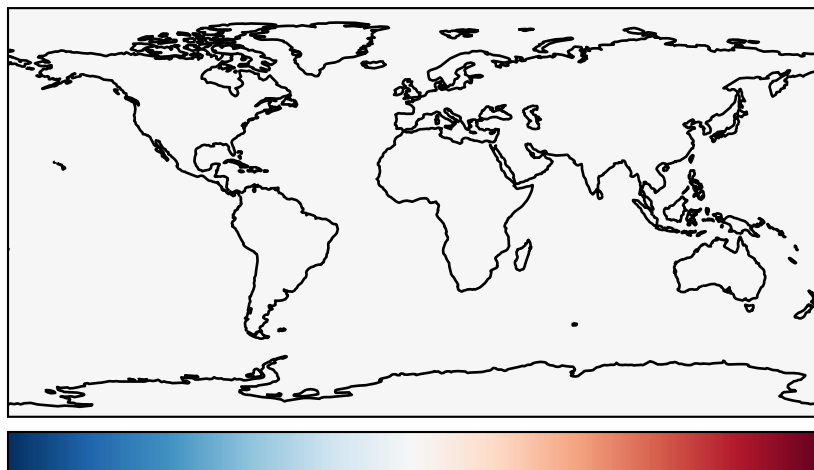


Difference (1x1.25), Restricted Range [5%,95%]
GCHP_dev / GCHP_ref - GCC_dev / GCC_ref

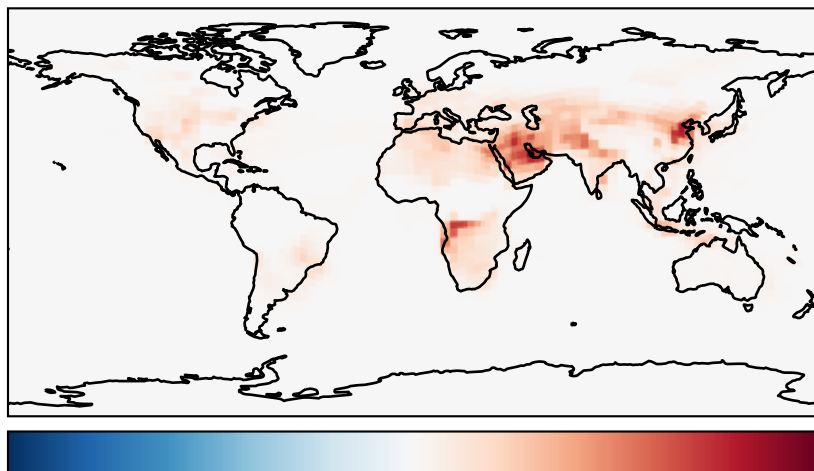


SpeciesConcVV_NO3

gcc-4x5-1Mon-14.6.0-alpha.15_-_gcc-4x5-1Mon-14.6.0-alpha.14 (Ref) 4.0x5.0 gchp-c24-1Mon-14.6.0-alpha.15_-_gchp-c24-1Mon-14.6.0-alpha.14 (Dev) c24

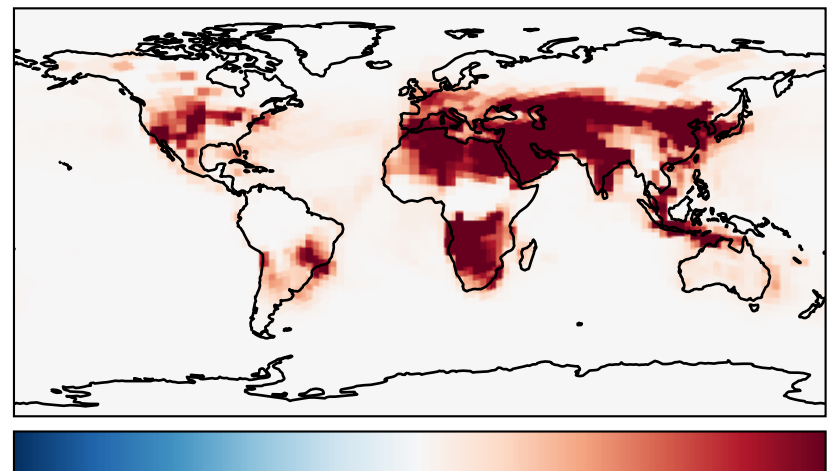


Difference (1x1.25)
Dev - Ref, Dynamic Range



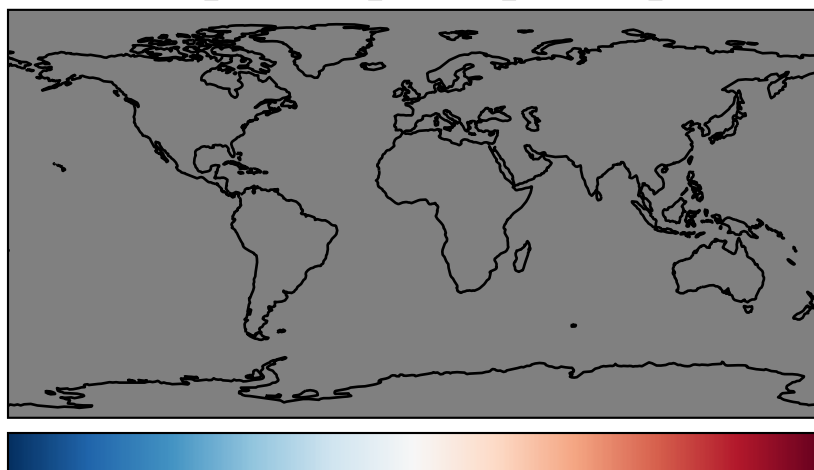
-0.0817 -0.0409 0.0000 0.0409 0.0817
ppb

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



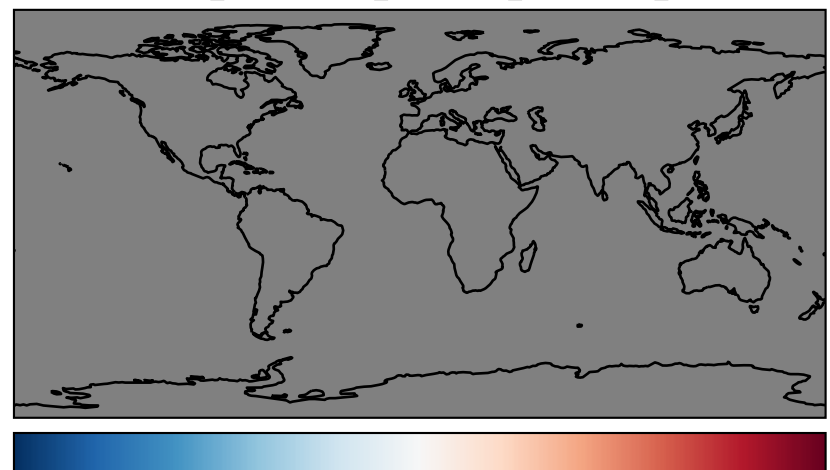
-0.006 0.000 0.006
ppb

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



Undefined throughout domain
unitless

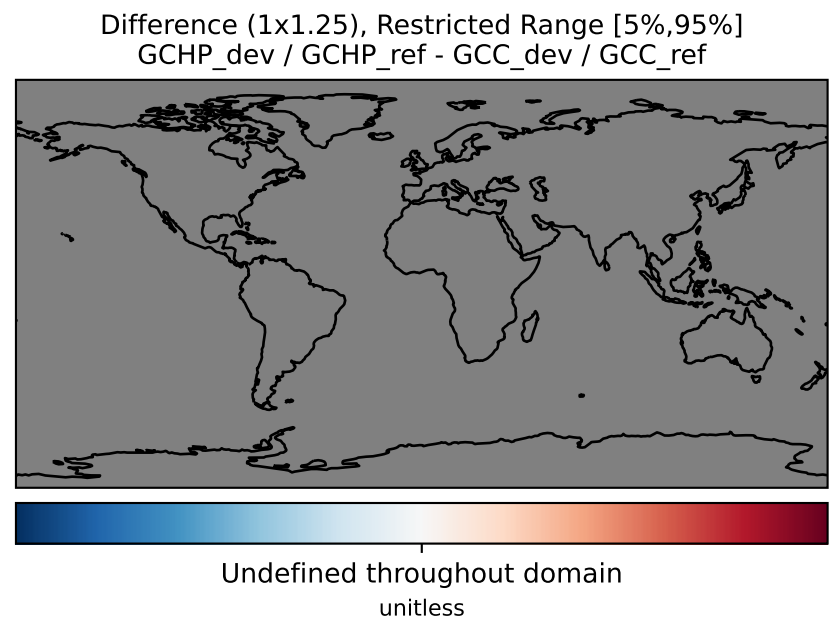
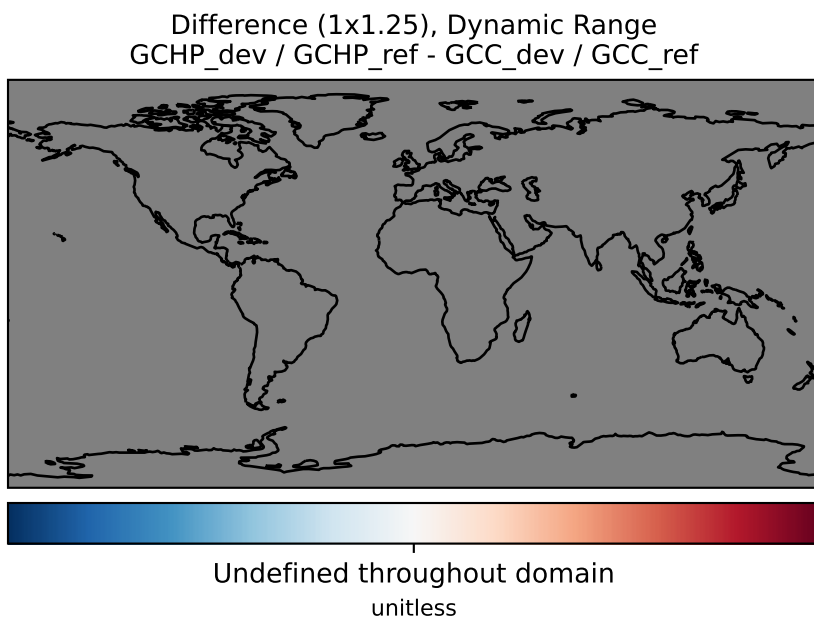
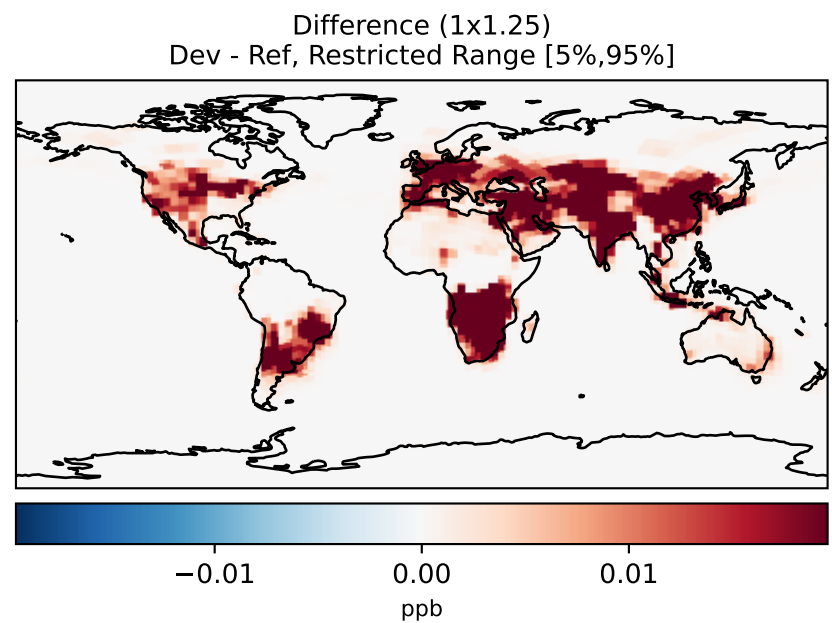
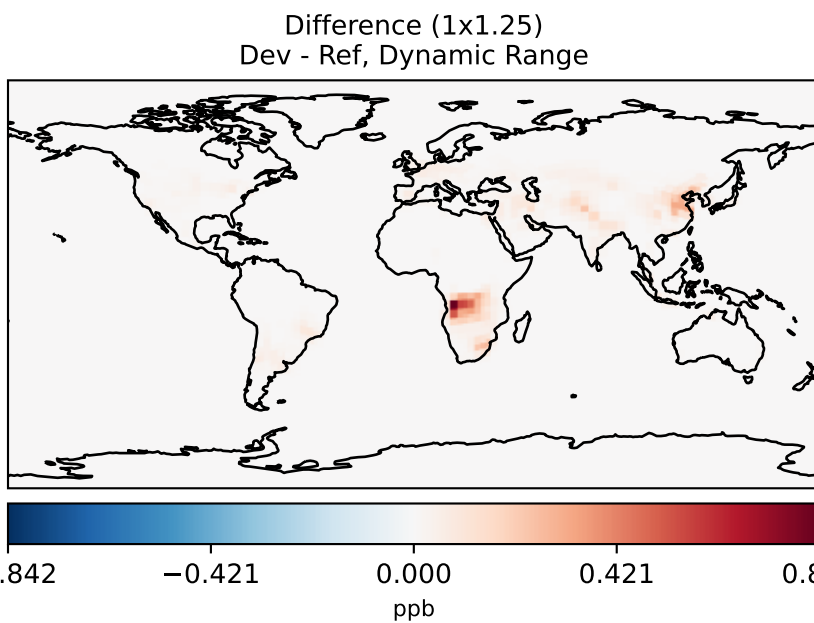
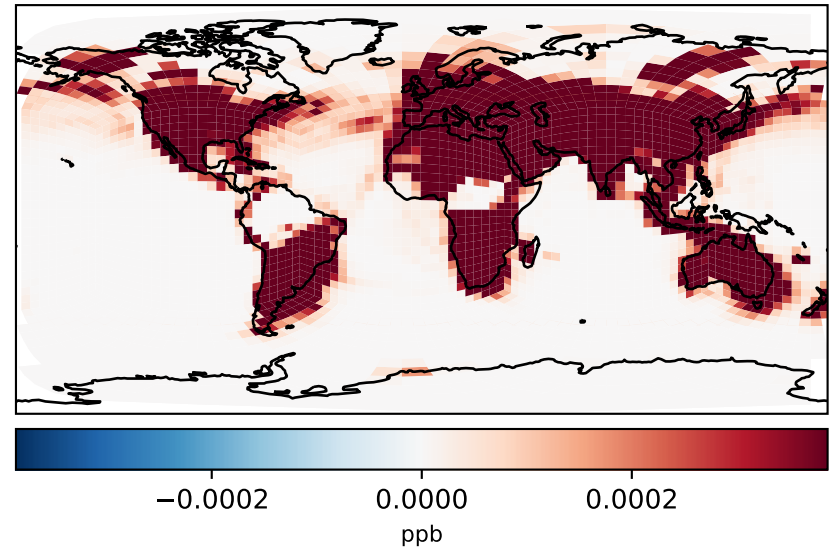
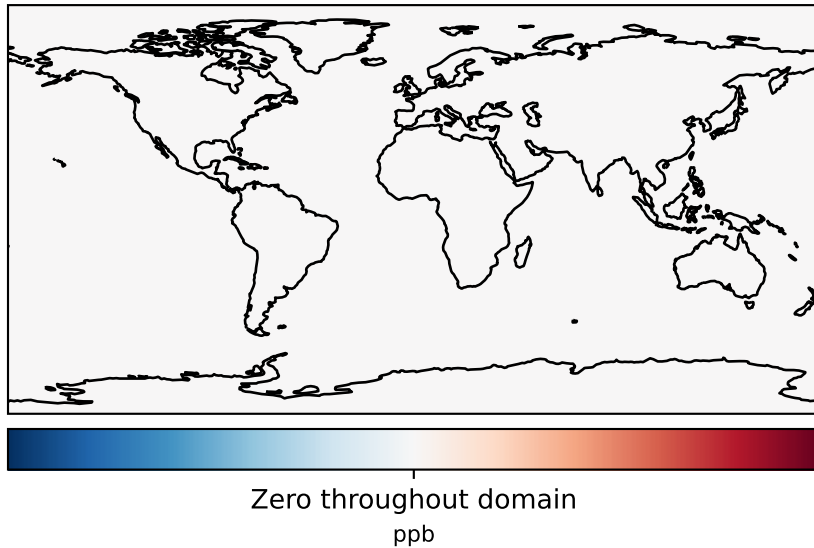
Difference (1x1.25), Restricted Range [5%,95%]
GCHP_dev / GCHP_ref - GCC_dev / GCC_ref



Undefined throughout domain
unitless

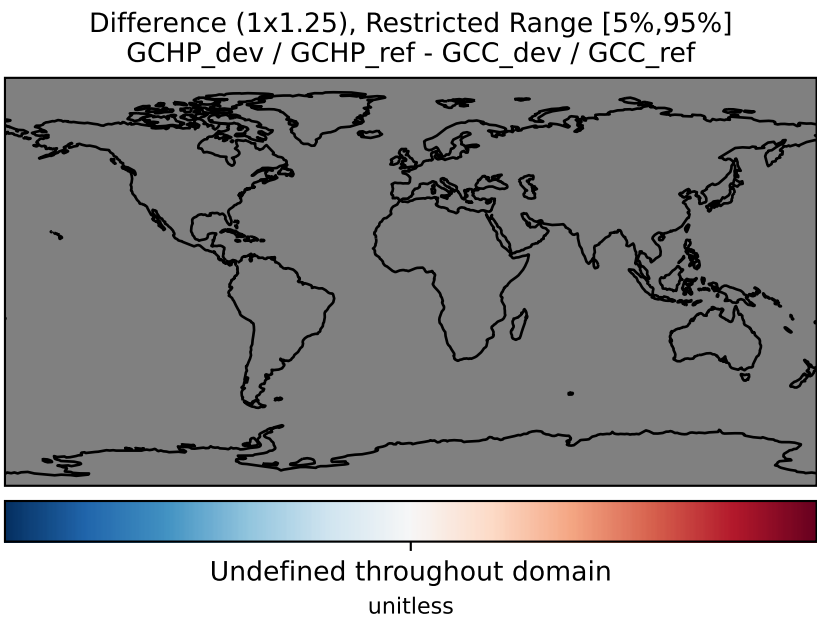
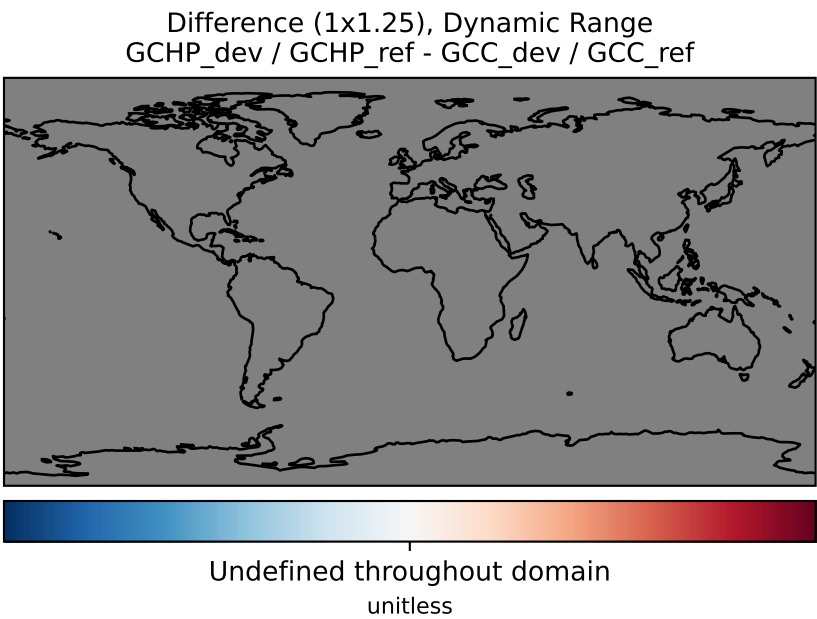
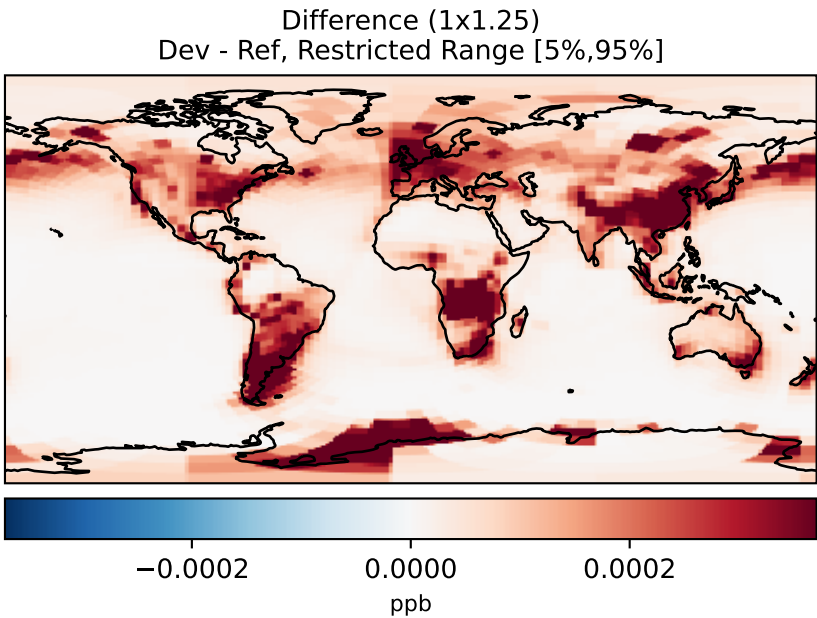
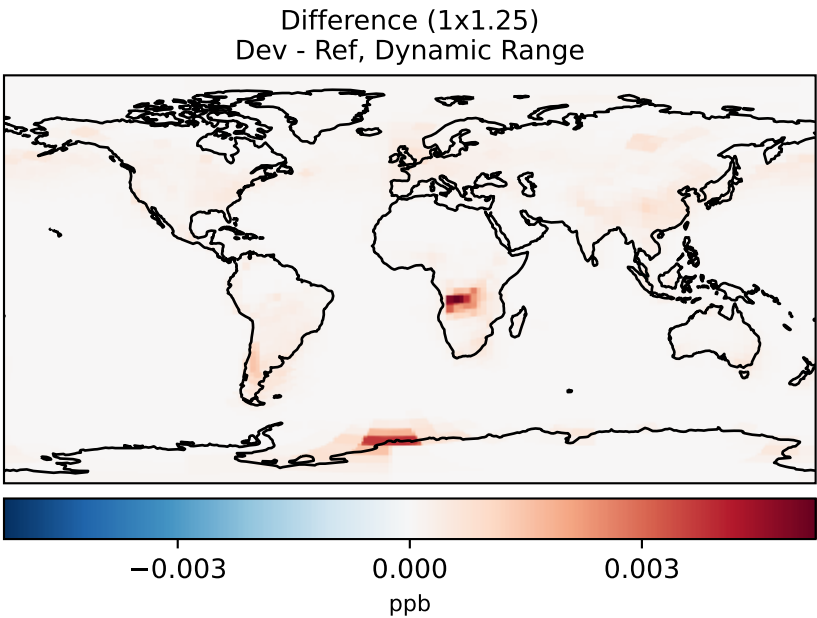
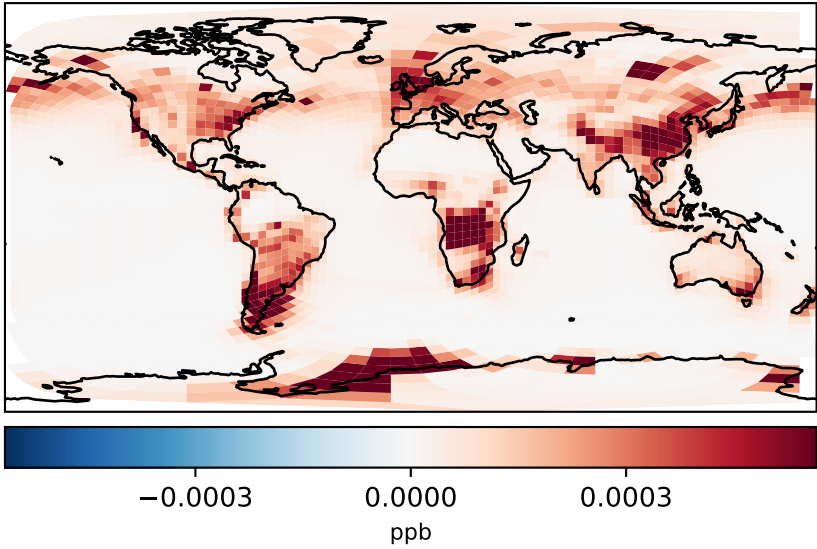
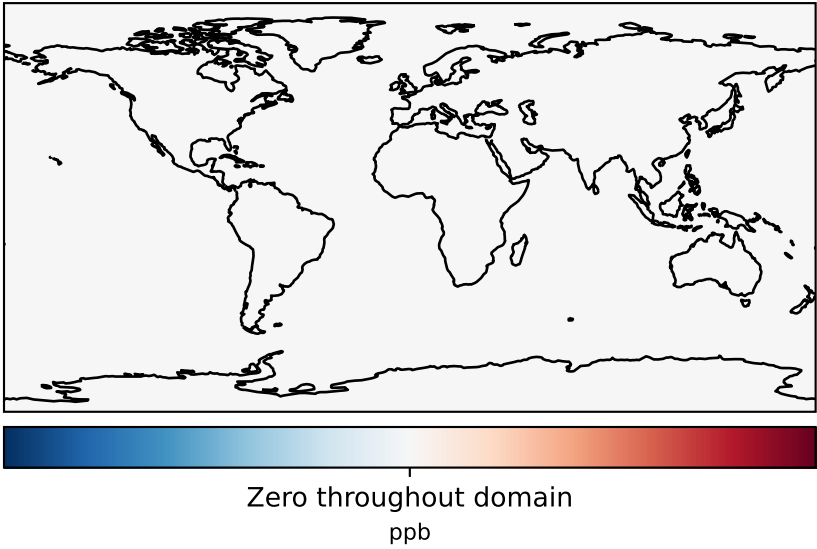
SpeciesConcVW_N2O5

gcc-4x5-1Mon-14.6.0-alpha.15_-_gcc-4x5-1Mon-14.6.0-alpha.14 (Ref) 4.0x5.0 gchp-c24-1Mon-14.6.0-alpha.15_-_gchp-c24-1Mon-14.6.0-alpha.14 (Dev) c24



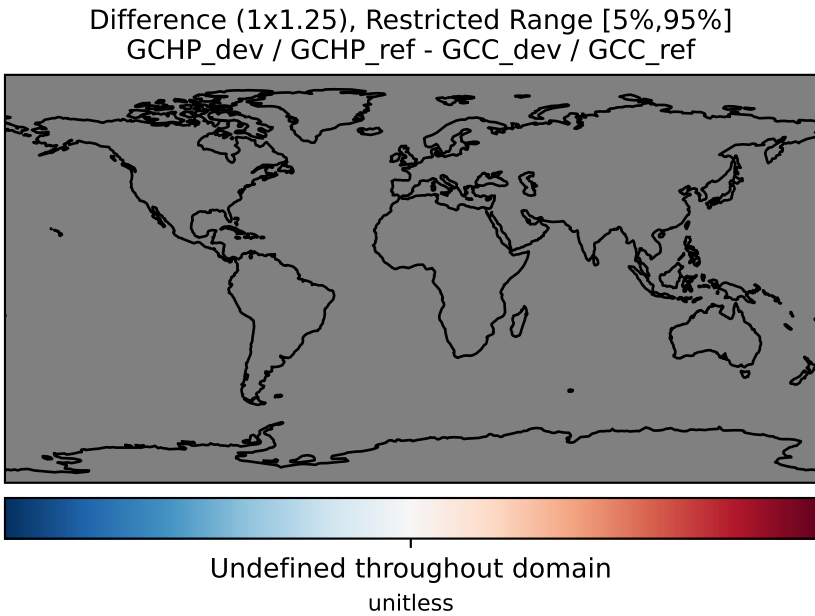
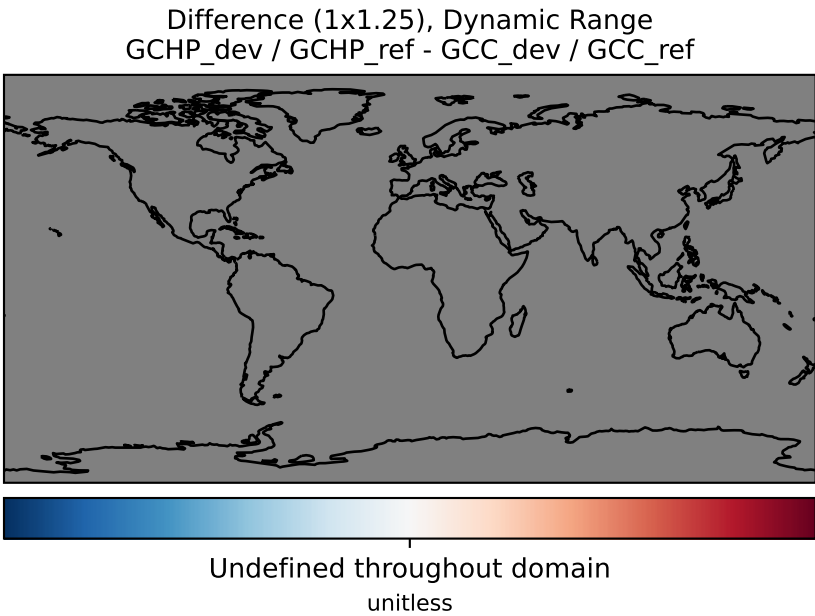
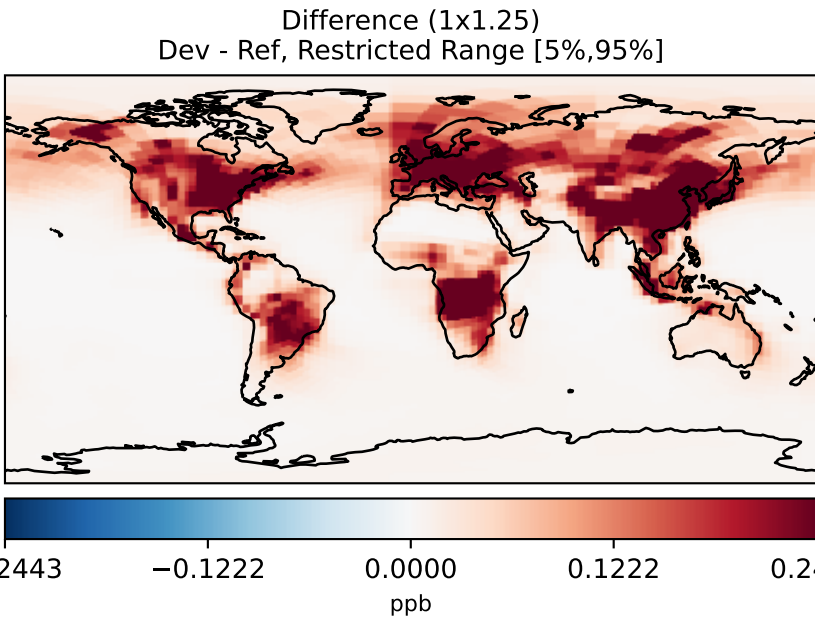
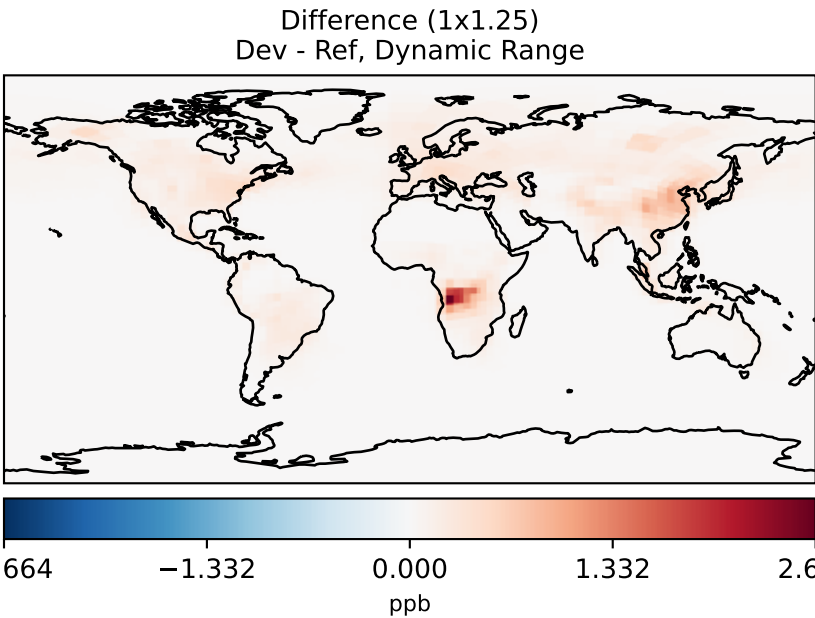
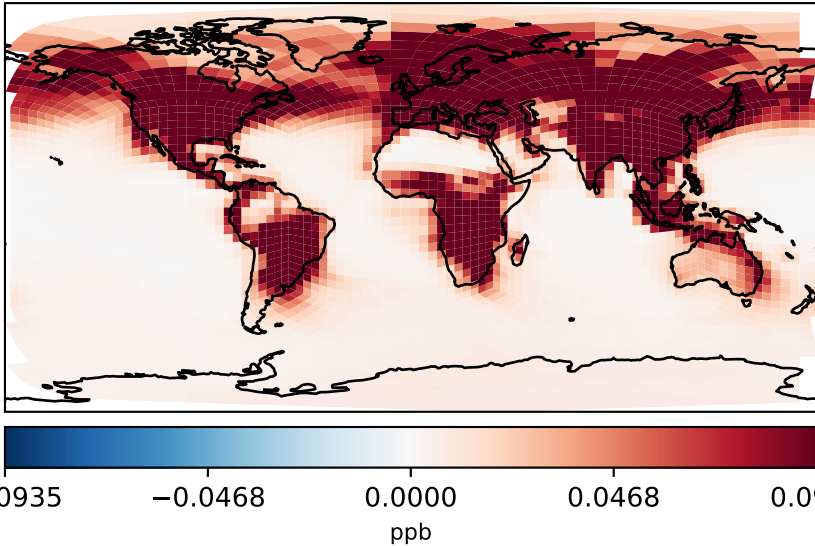
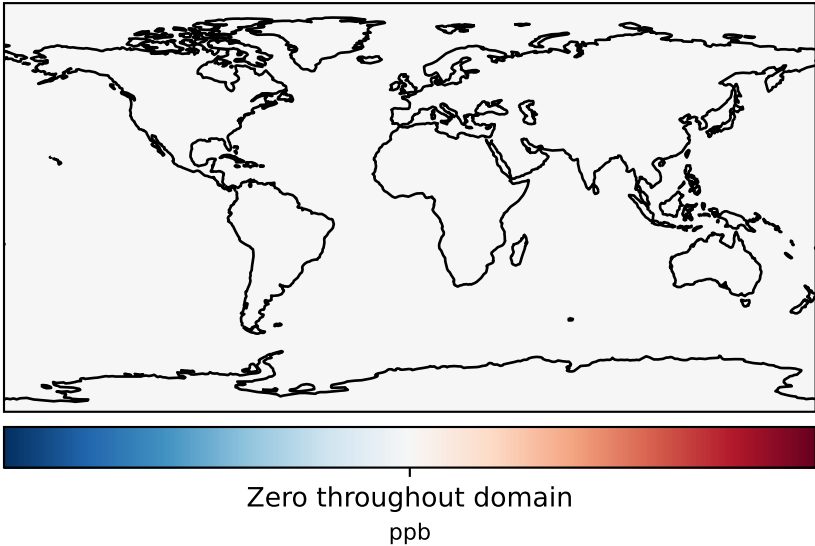
SpeciesConcVV_MPN

gcc-4x5-1Mon-14.6.0-alpha.15_-_gcc-4x5-1Mon-14.6.0-alpha.14 (Ref) 4.0x5.0 gchp-c24-1Mon-14.6.0-alpha.15_-_gchp-c24-1Mon-14.6.0-alpha.14 (Dev) c24



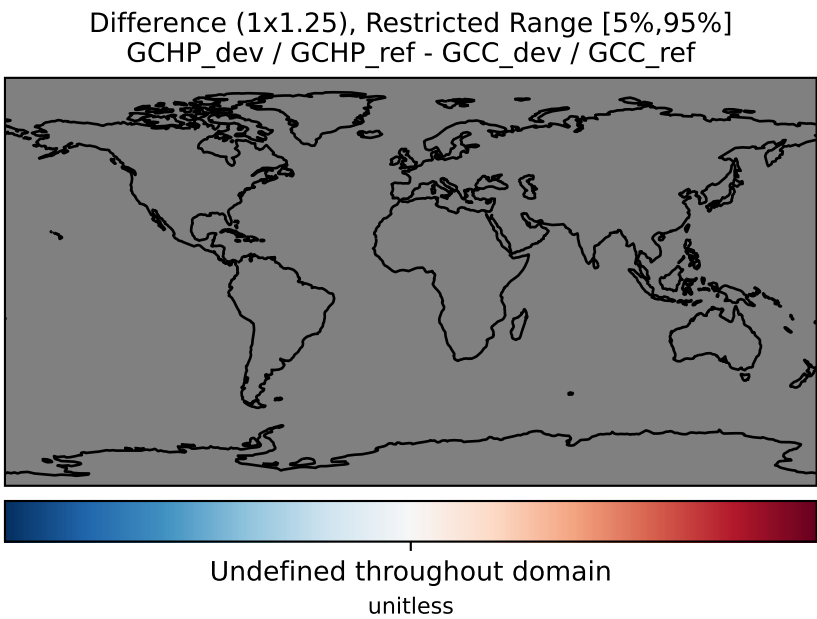
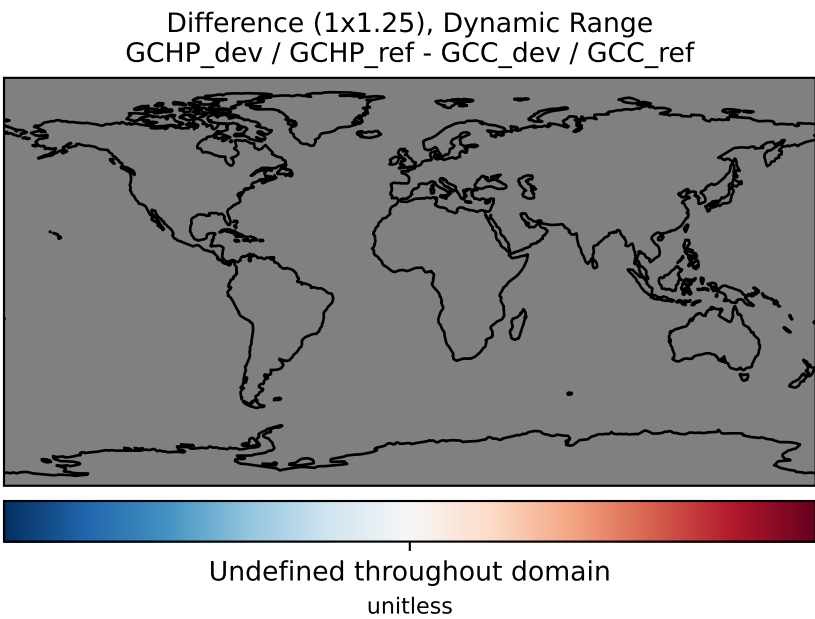
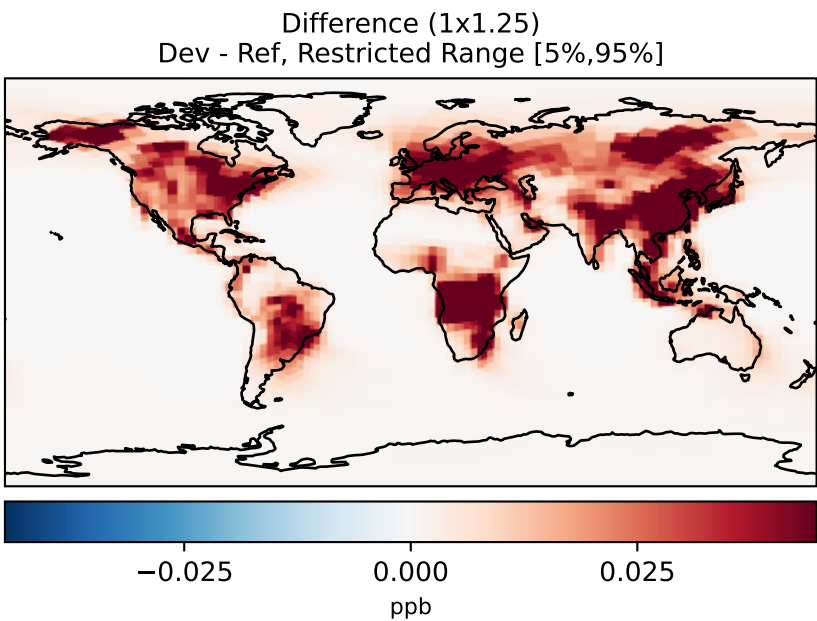
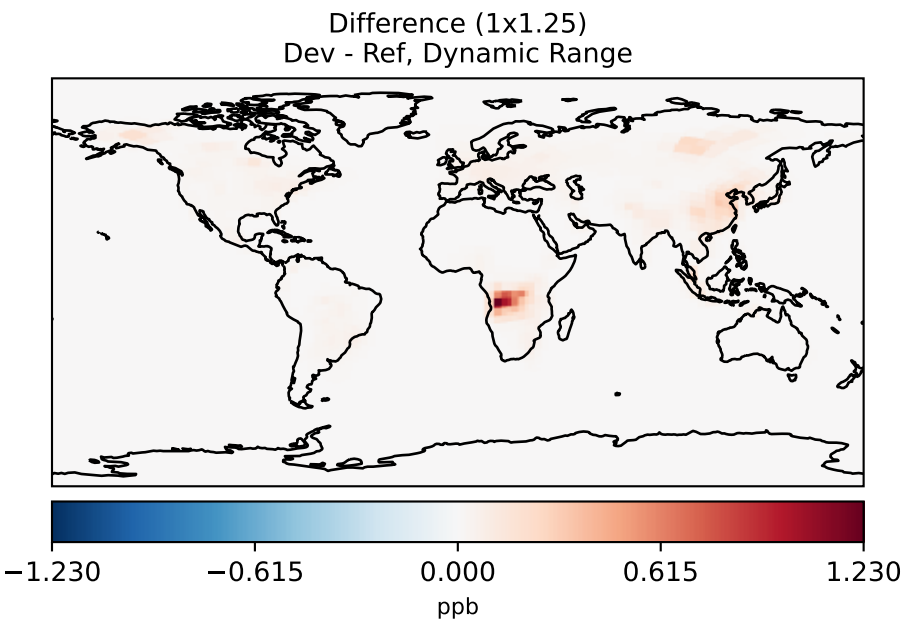
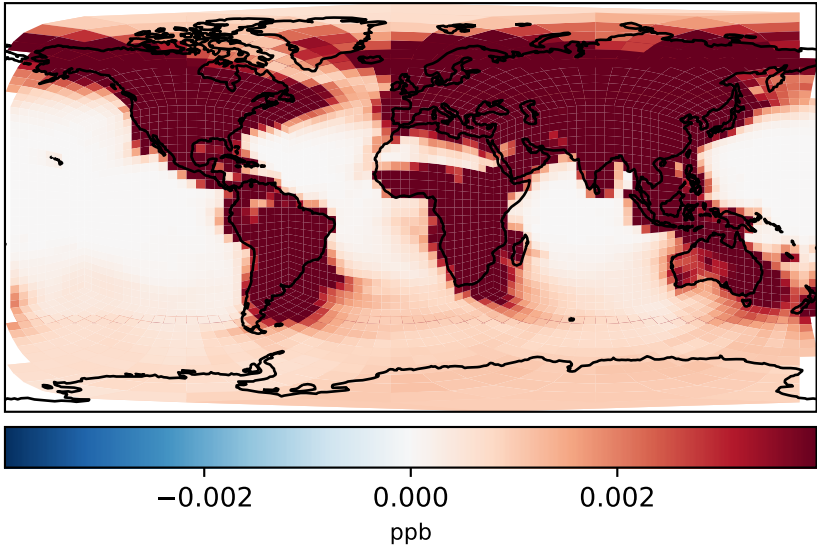
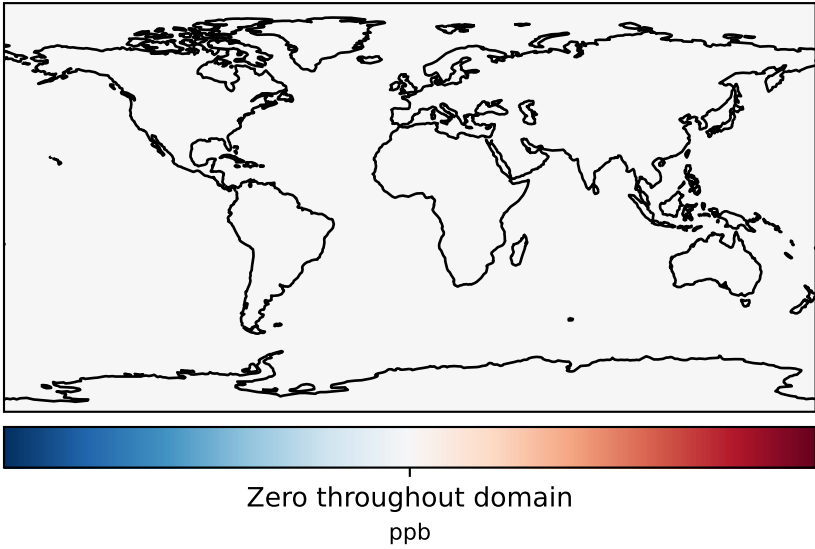
SpeciesConcVV_PAN

gcc-4x5-1Mon-14.6.0-alpha.15_-_gcc-4x5-1Mon-14.6.0-alpha.14 (Ref) 4.0x5.0 gchp-c24-1Mon-14.6.0-alpha.15_-_gchp-c24-1Mon-14.6.0-alpha.14 (Dev) c24



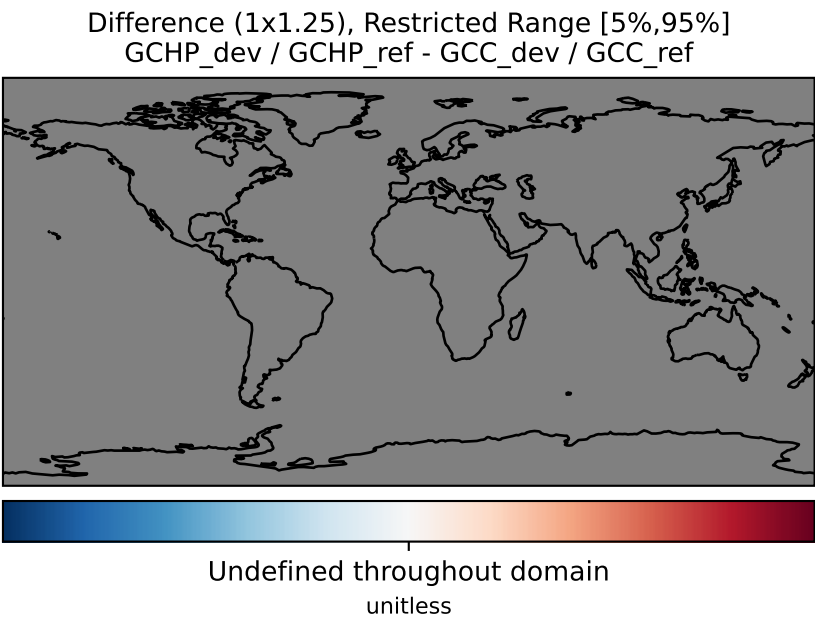
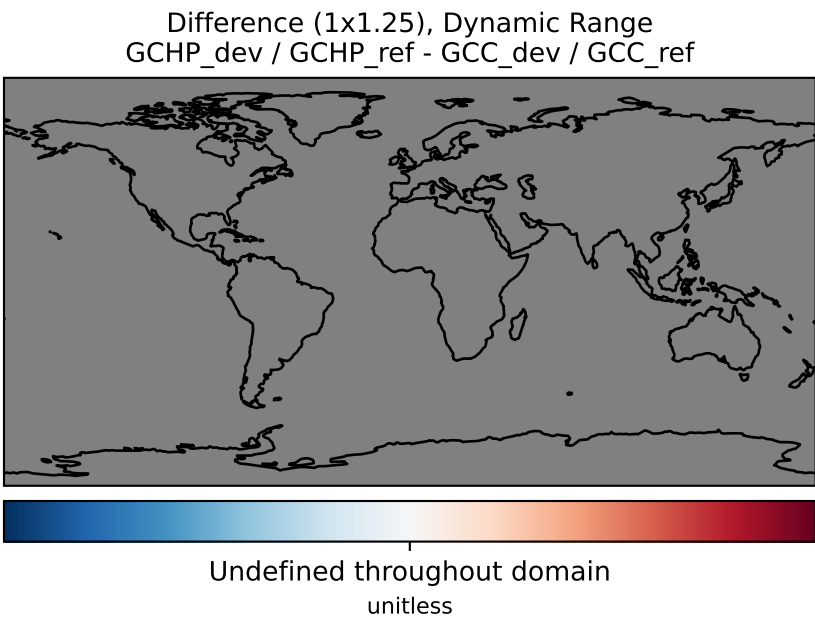
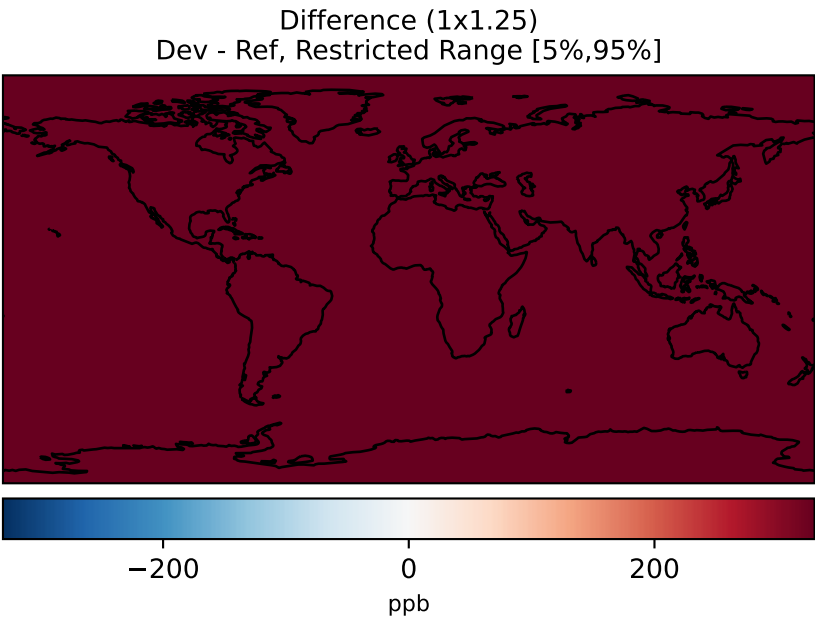
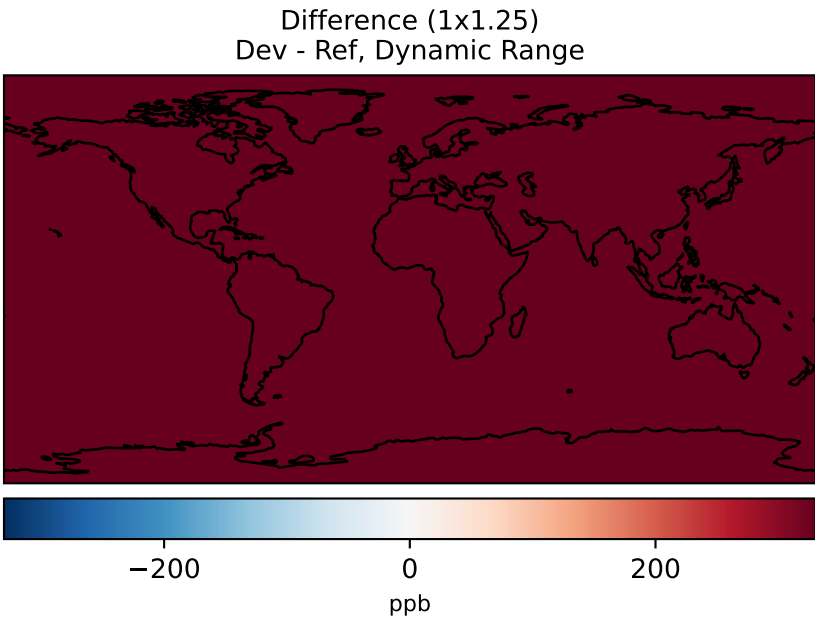
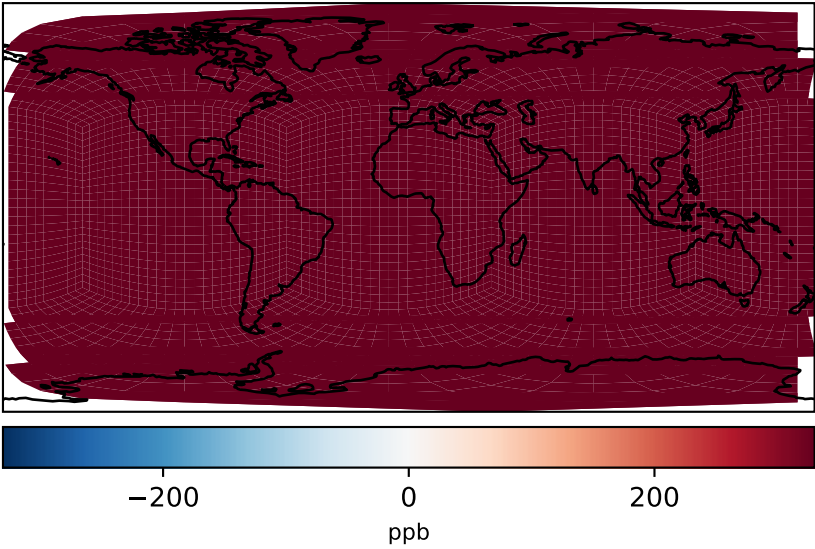
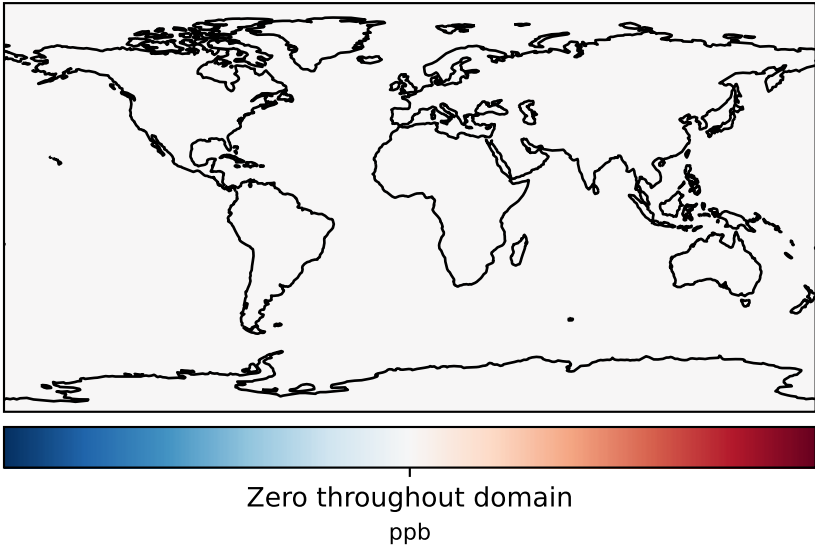
SpeciesConcVV_PPN

gcc-4x5-1Mon-14.6.0-alpha.15_-_gcc-4x5-1Mon-14.6.0-alpha.14 (Ref) 4.0x5.0 gchp-c24-1Mon-14.6.0-alpha.15_-_gchp-c24-1Mon-14.6.0-alpha.14 (Dev) c24



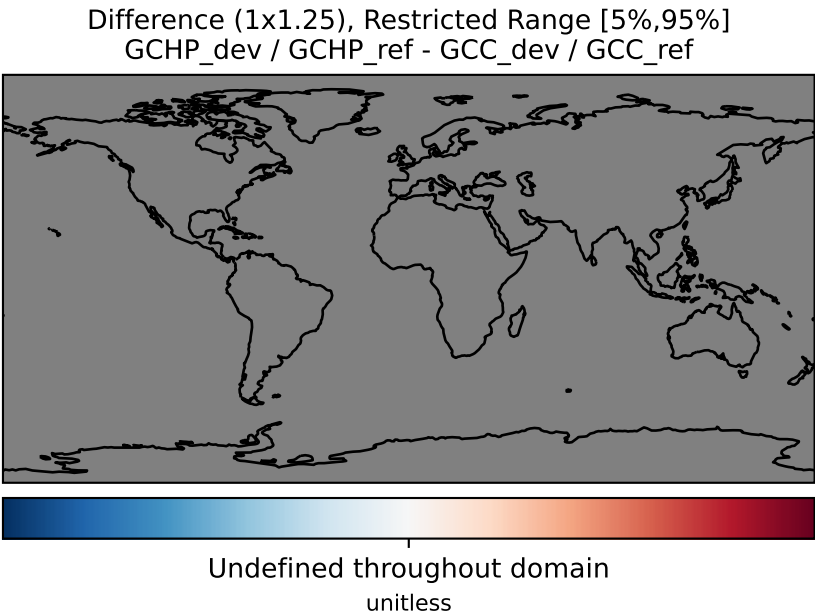
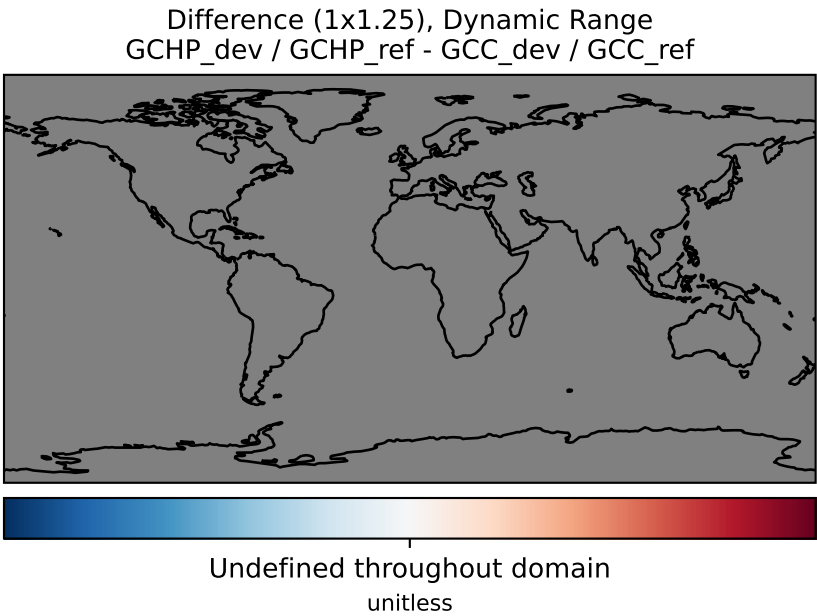
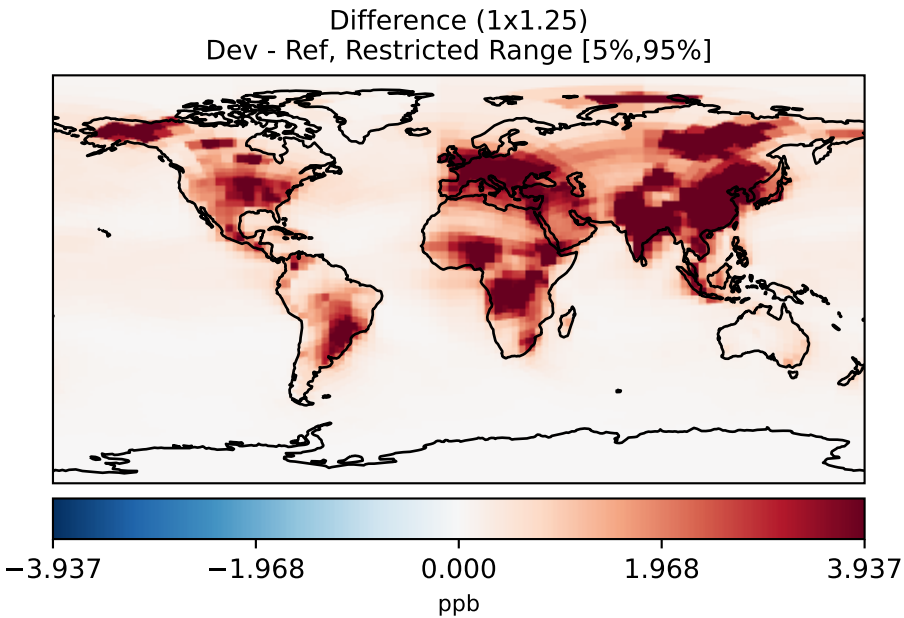
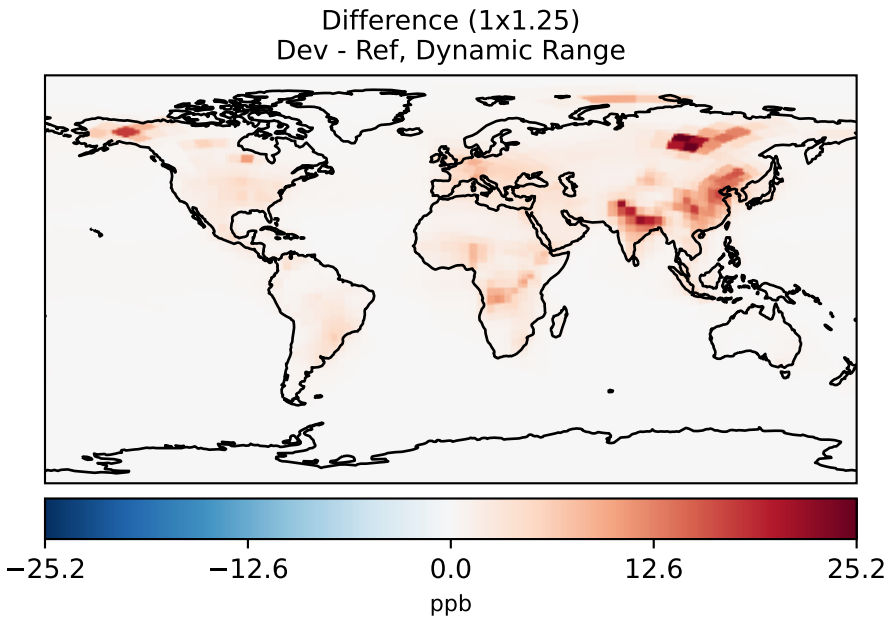
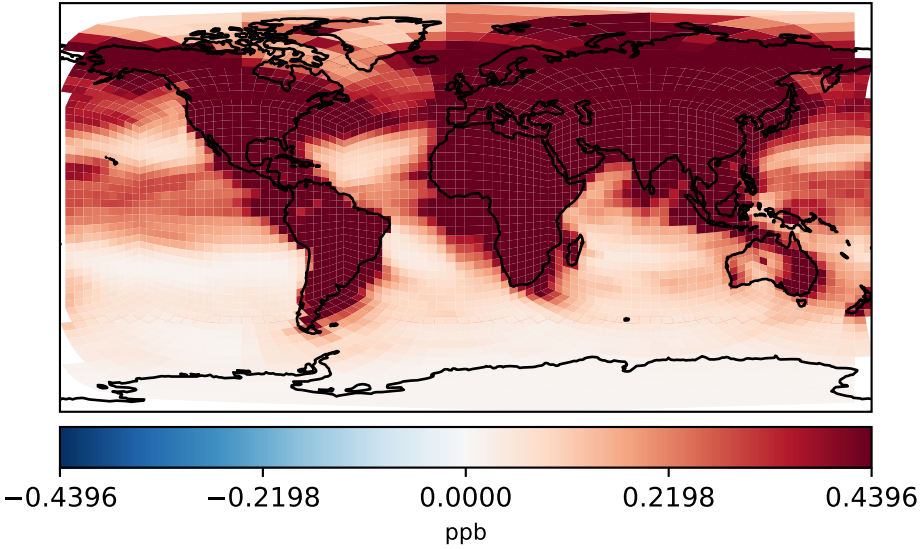
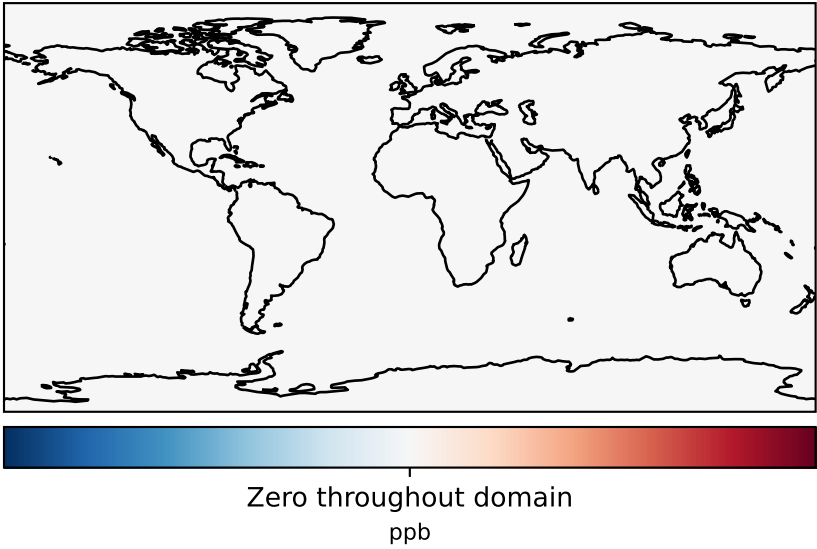
SpeciesConcVV_N2O

gcc-4x5-1Mon-14.6.0-alpha.15_-_gcc-4x5-1Mon-14.6.0-alpha.14 (Ref) 4.0x5.0 gchp-c24-1Mon-14.6.0-alpha.15_-_gchp-c24-1Mon-14.6.0-alpha.14 (Dev) c24



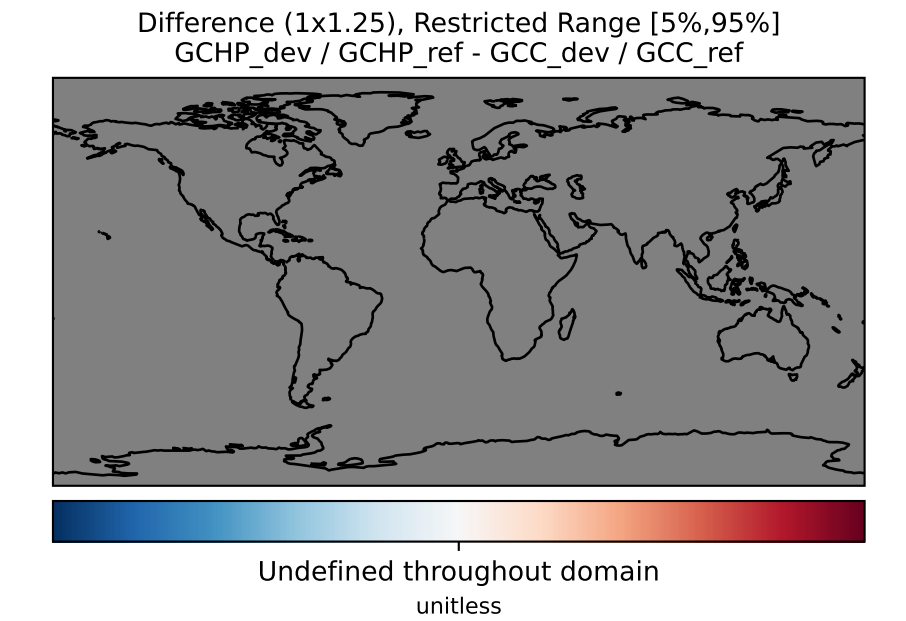
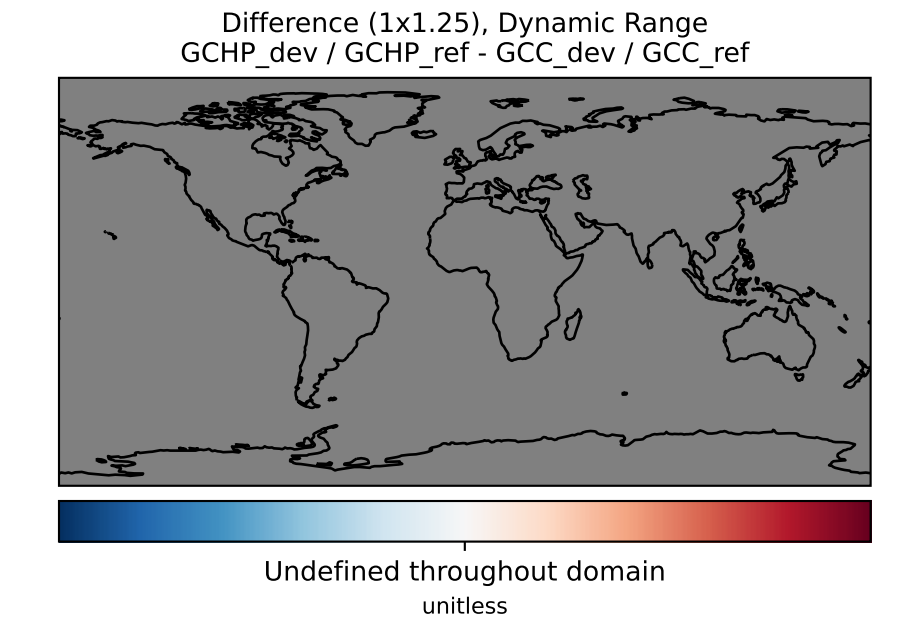
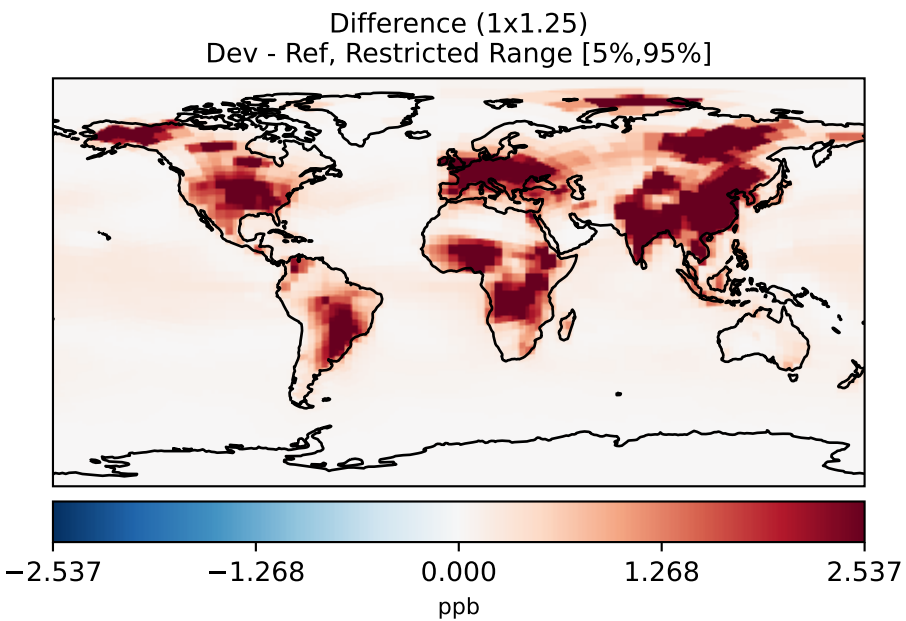
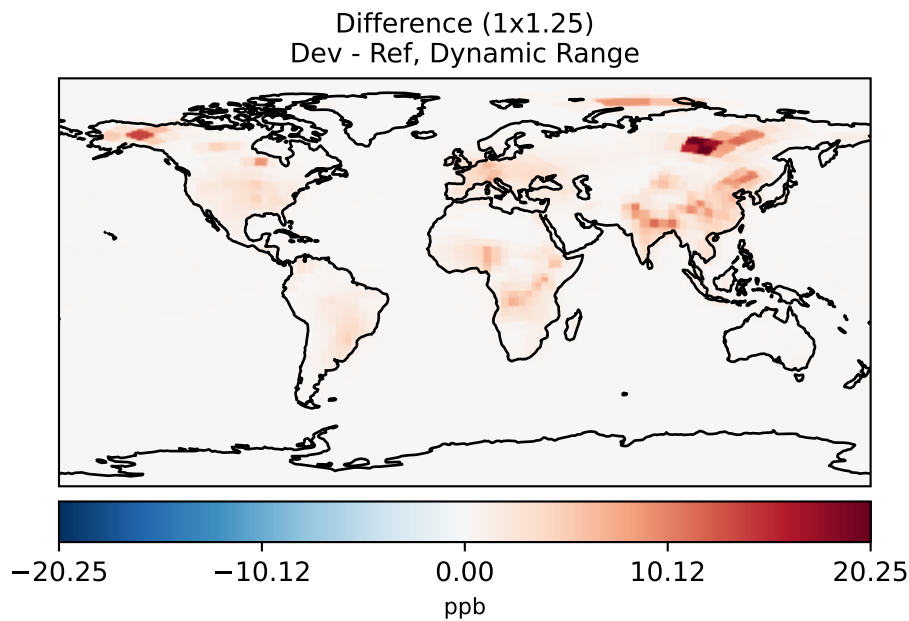
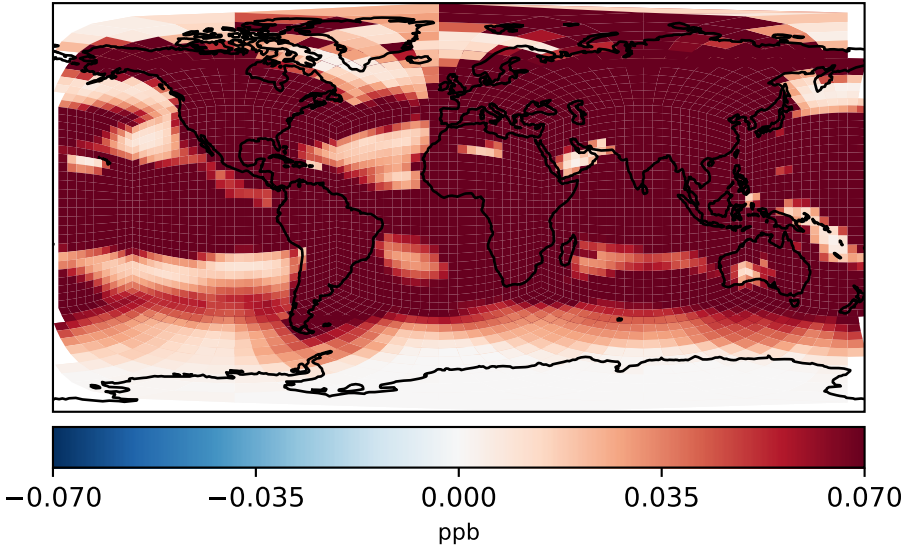
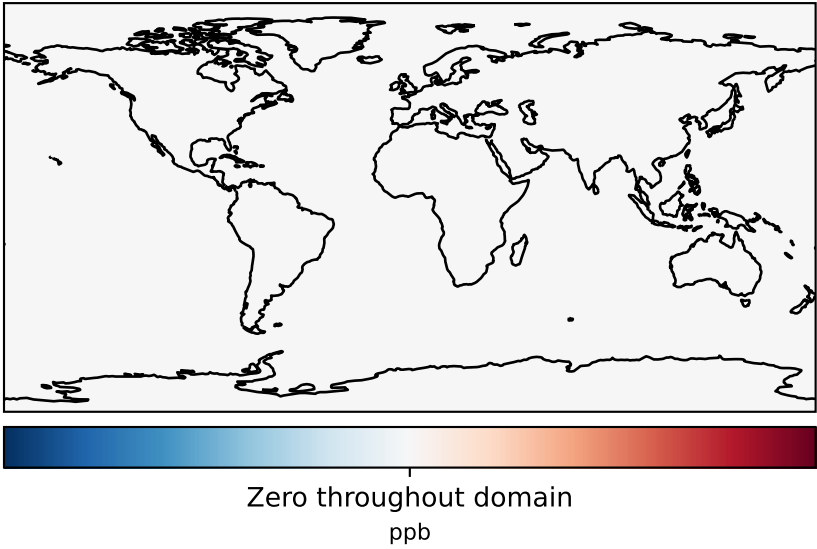
SpeciesConcVV_NHx

gcc-4x5-1Mon-14.6.0-alpha.15_-_gcc-4x5-1Mon-14.6.0-alpha.14 (Ref) 4.0x5.0 gchp-c24-1Mon-14.6.0-alpha.15_-_gchp-c24-1Mon-14.6.0-alpha.14 (Dev) c24



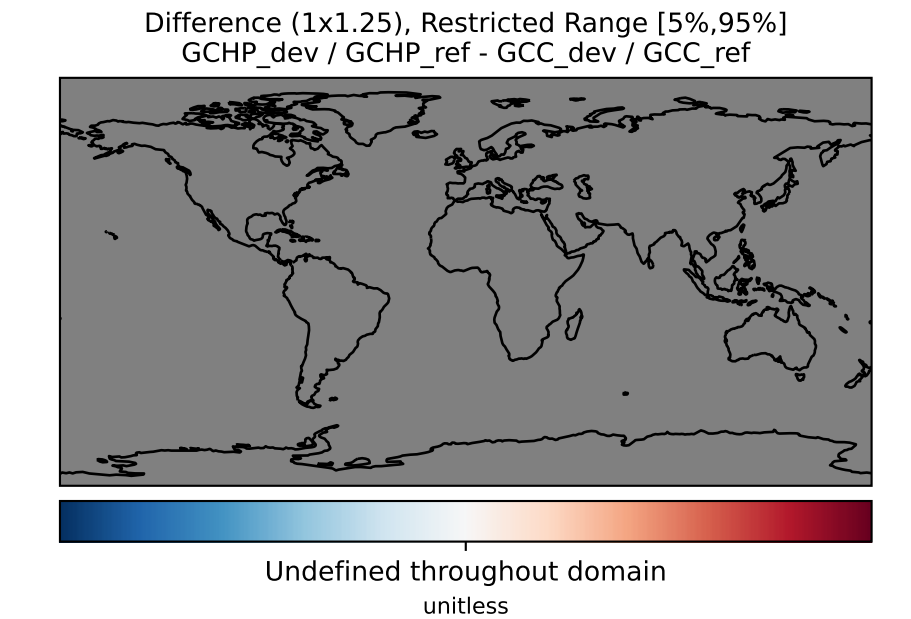
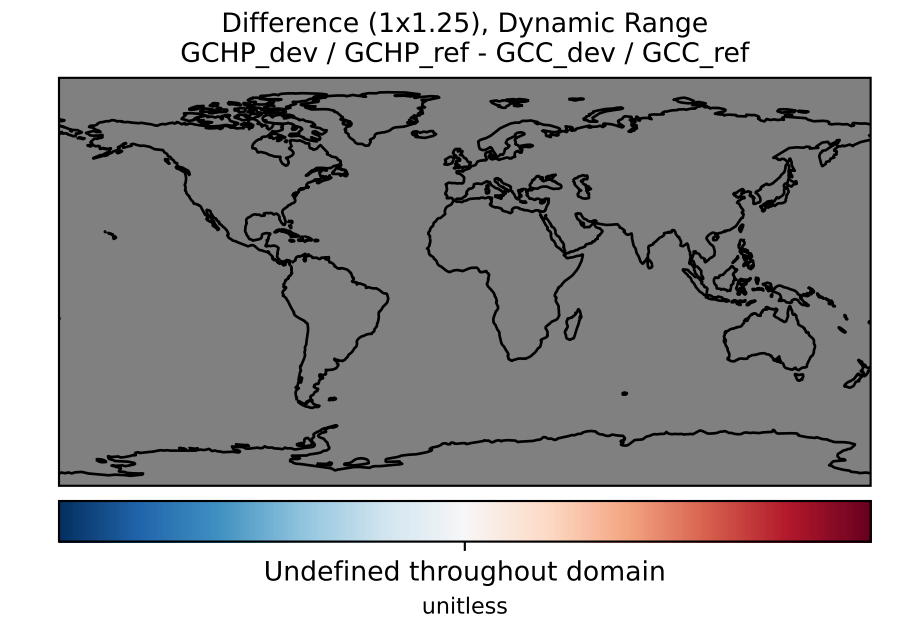
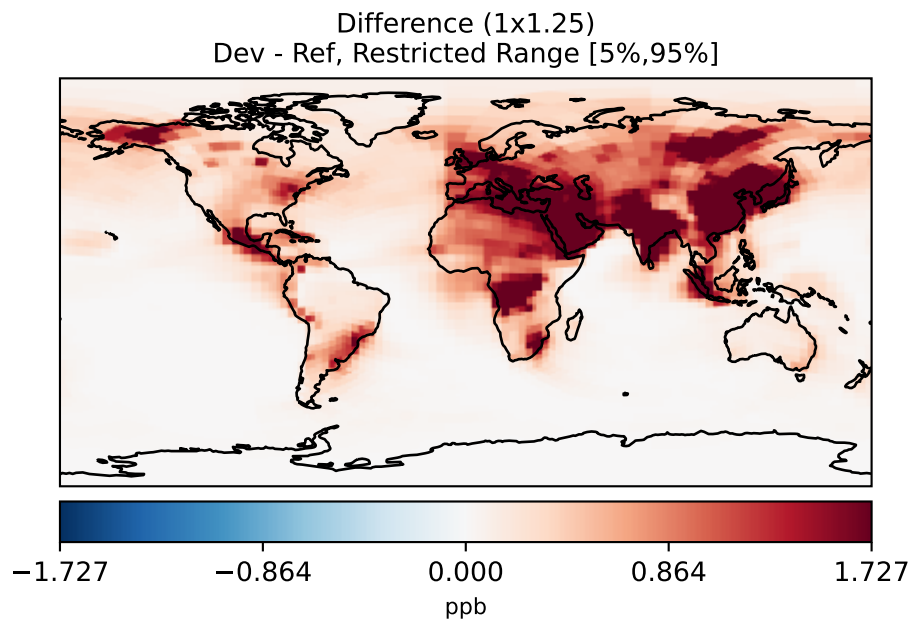
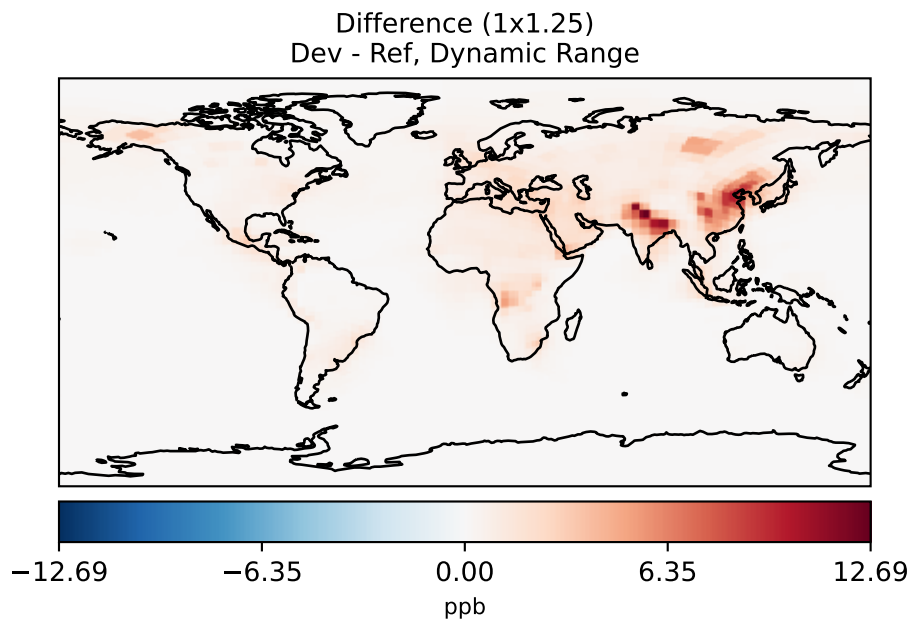
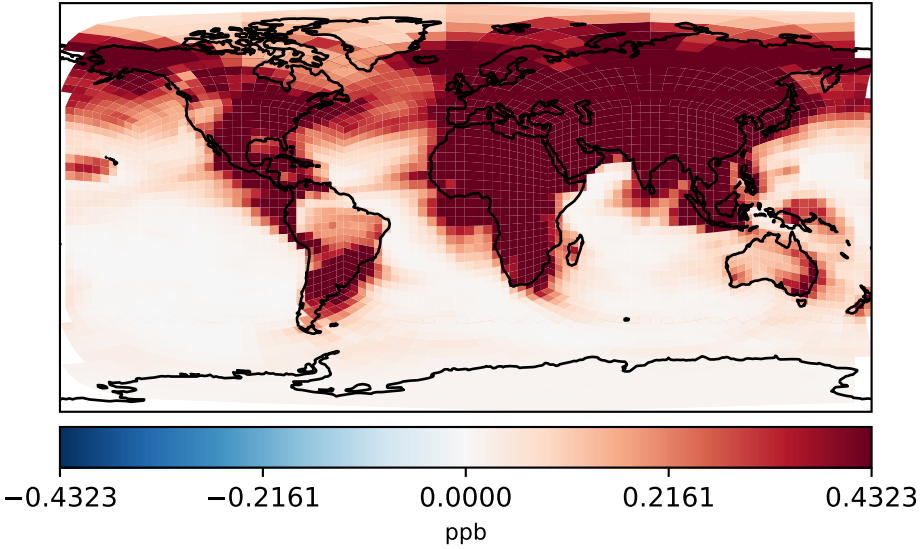
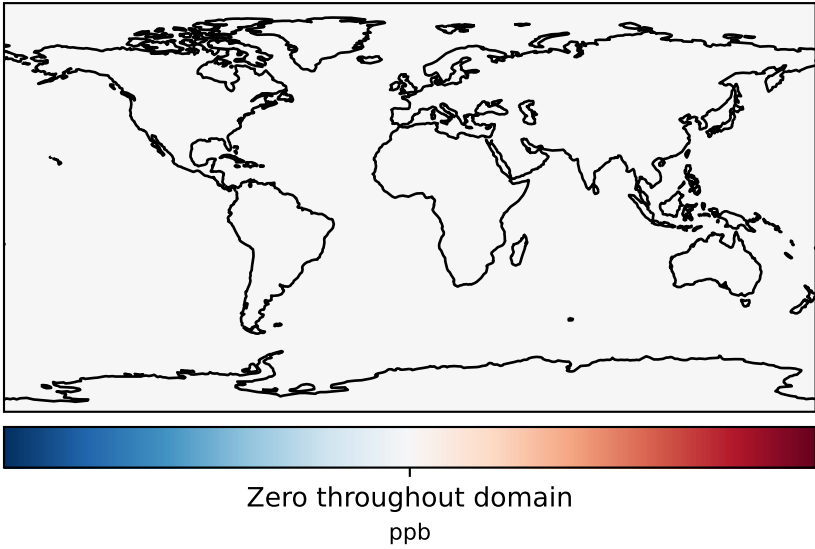
SpeciesConcVV_NH3

gcc-4x5-1Mon-14.6.0-alpha.15_-_gcc-4x5-1Mon-14.6.0-alpha.14 (Ref) 4.0x5.0 gchp-c24-1Mon-14.6.0-alpha.15_-_gchp-c24-1Mon-14.6.0-alpha.14 (Dev) c24



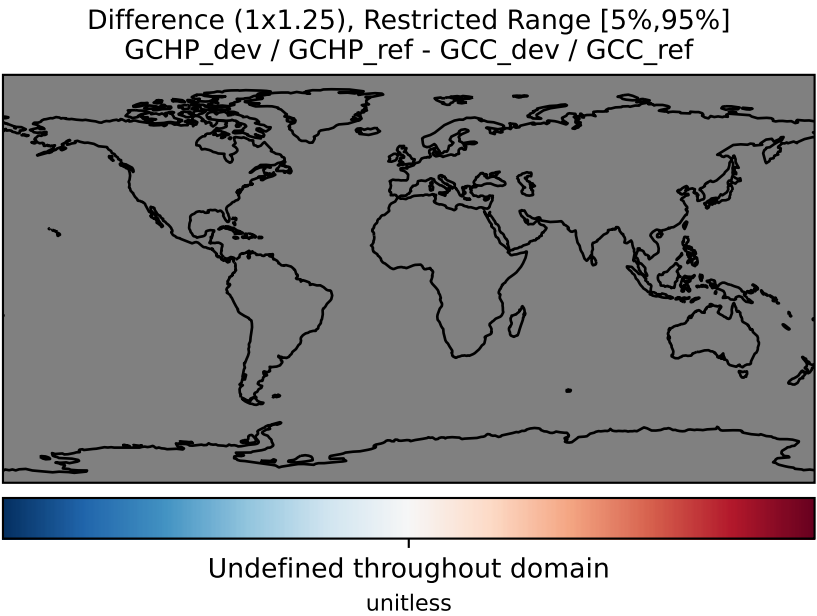
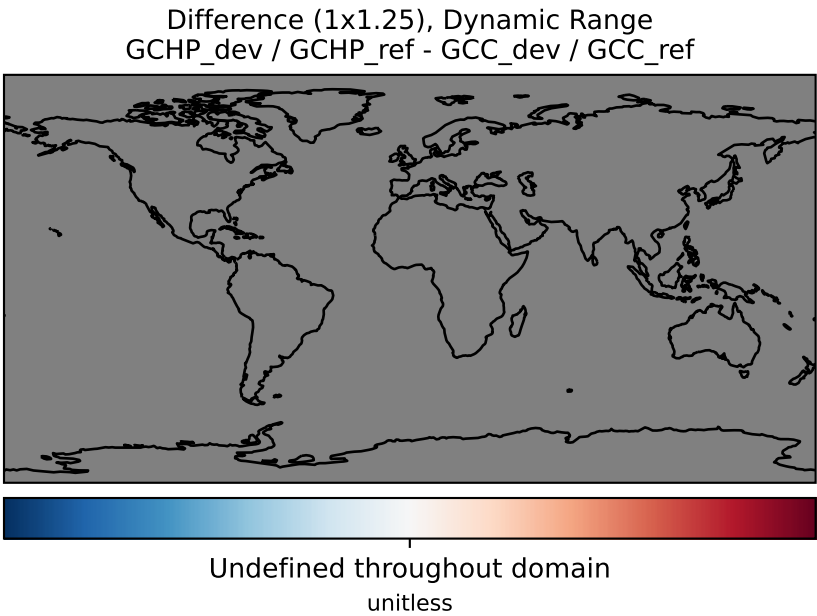
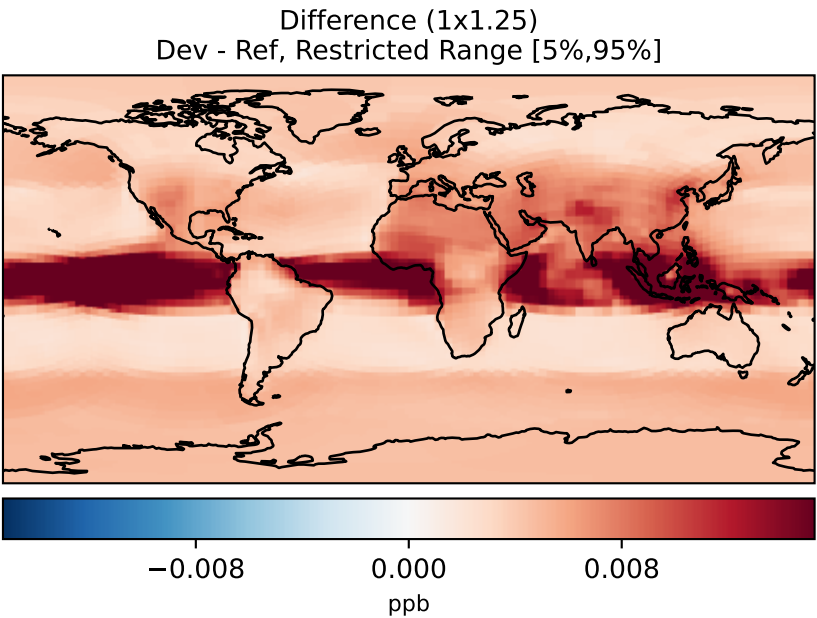
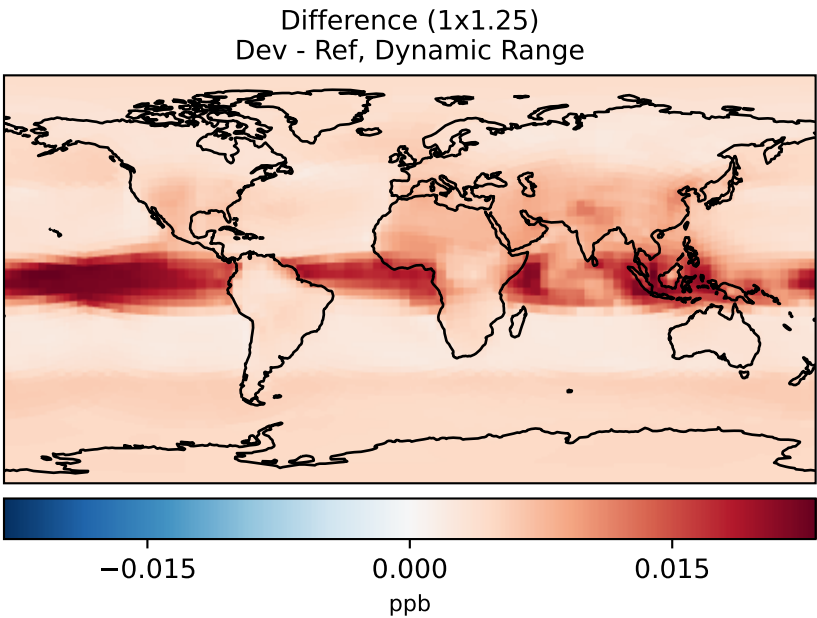
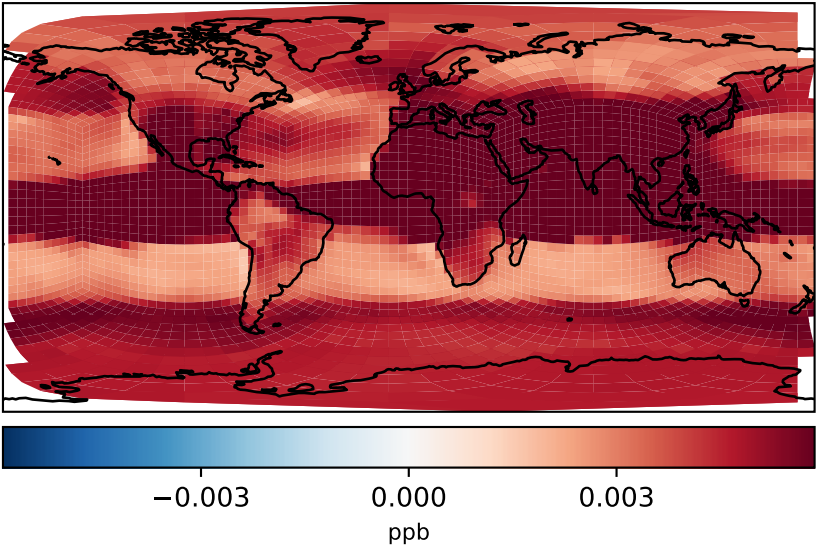
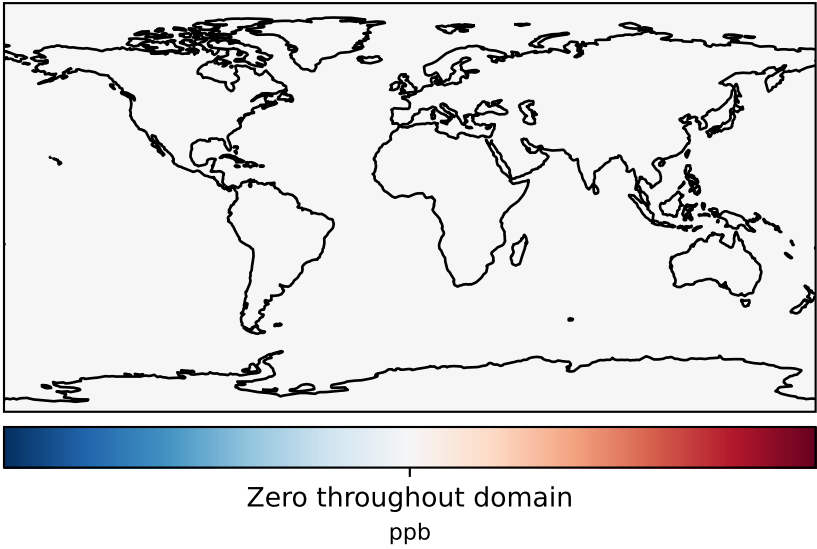
SpeciesConcVV_NH4

gcc-4x5-1Mon-14.6.0-alpha.15_-_gcc-4x5-1Mon-14.6.0-alpha.14 (Ref) 4.0x5.0 gchp-c24-1Mon-14.6.0-alpha.15_-_gchp-c24-1Mon-14.6.0-alpha.14 (Dev) c24



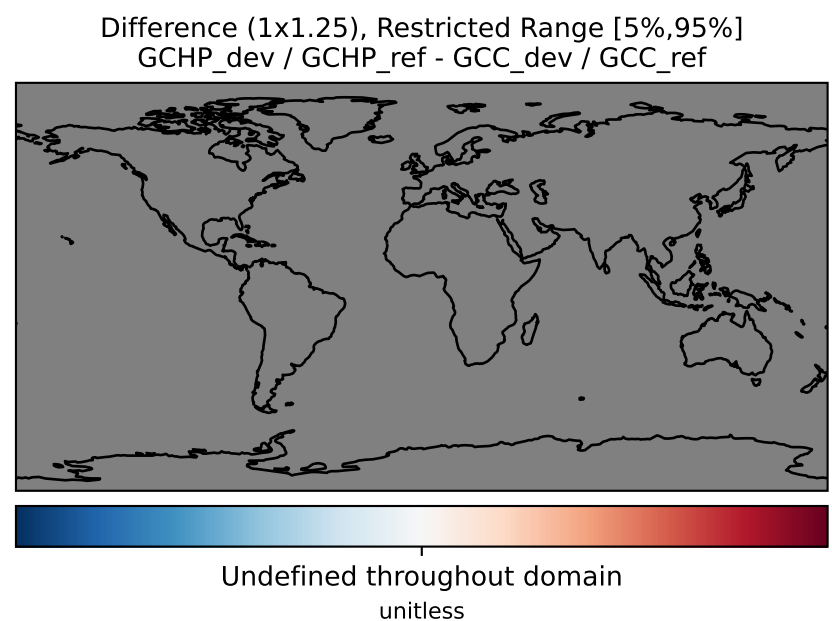
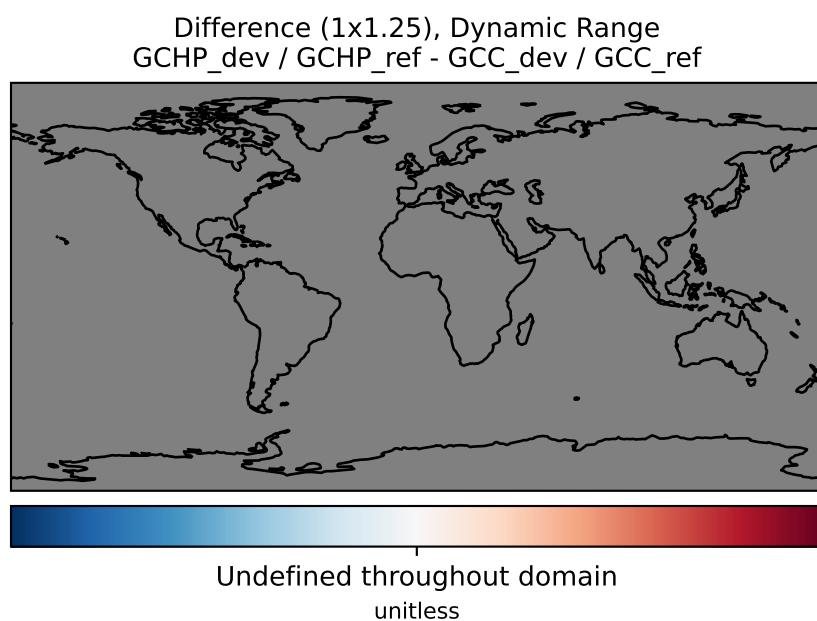
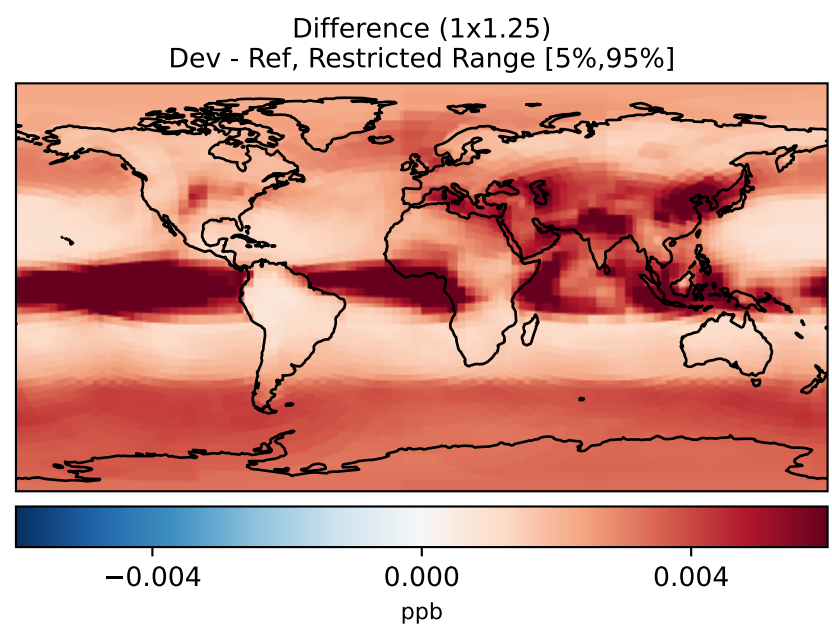
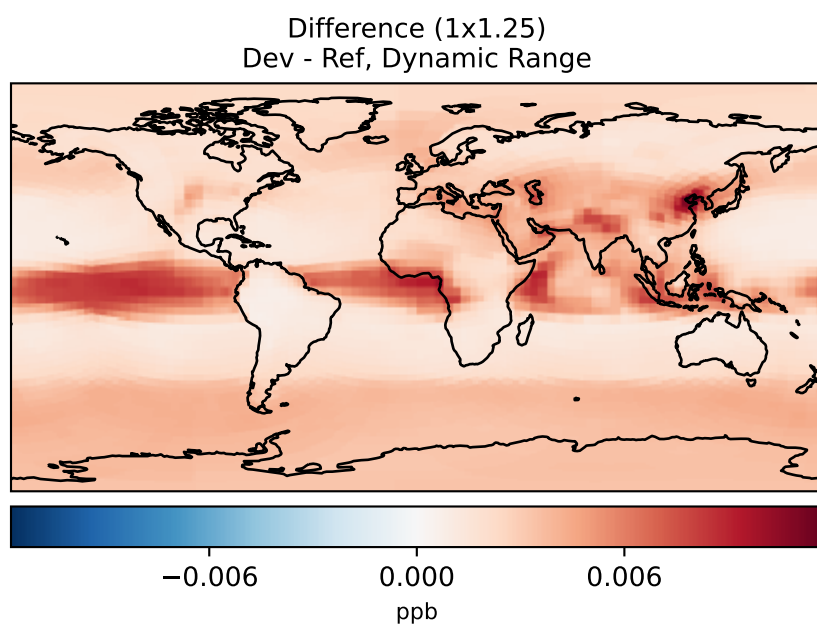
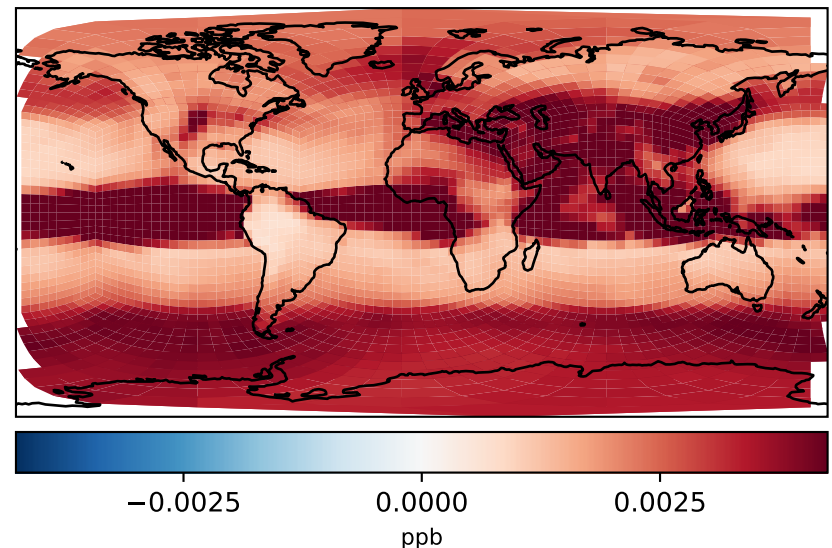
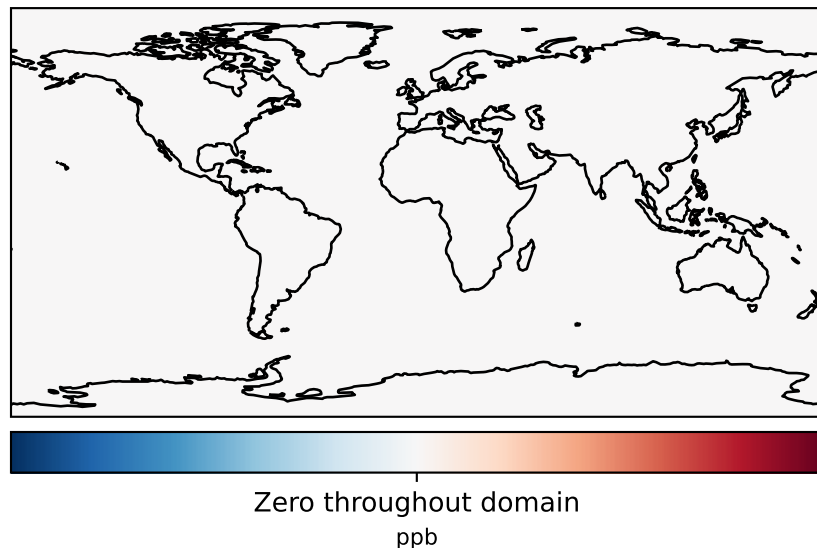
SpeciesConcVV_MENO3

gcc-4x5-1Mon-14.6.0-alpha.15_-_gcc-4x5-1Mon-14.6.0-alpha.14 (Ref) 4.0x5.0 gchp-c24-1Mon-14.6.0-alpha.15_-_gchp-c24-1Mon-14.6.0-alpha.14 (Dev) c24



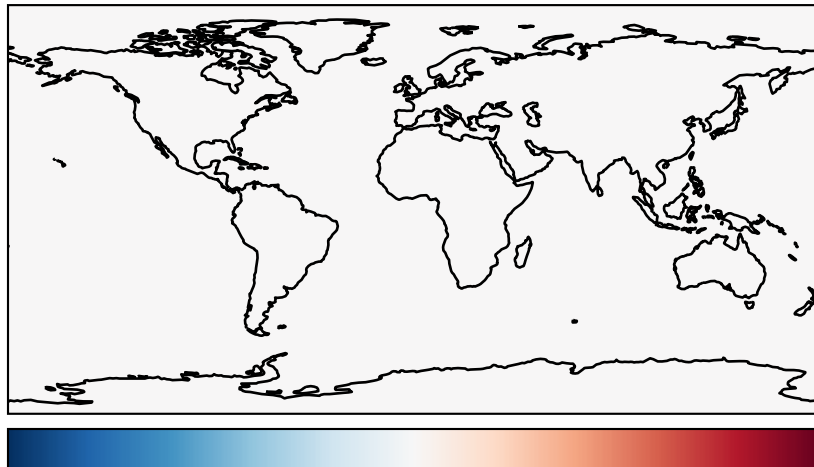
SpeciesConcVV_ETNO3

gcc-4x5-1Mon-14.6.0-alpha.15_-_gcc-4x5-1Mon-14.6.0-alpha.14 (Ref) 4.0x5.0 gchp-c24-1Mon-14.6.0-alpha.15_-_gchp-c24-1Mon-14.6.0-alpha.14 (Dev) c24

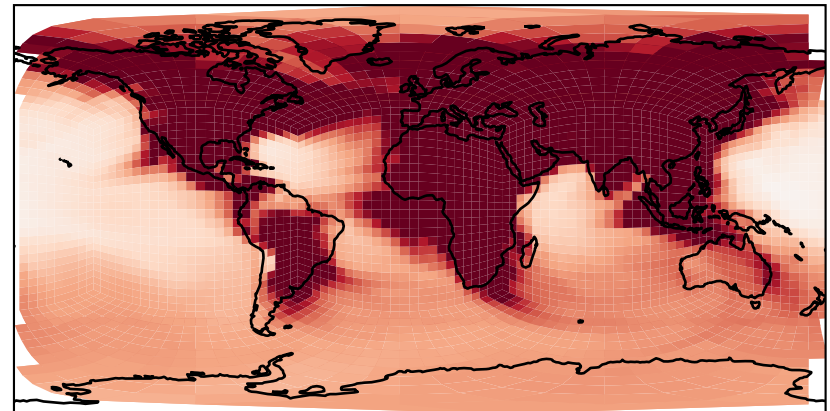


SpeciesConcVV_IPRNO3

gcc-4x5-1Mon-14.6.0-alpha.15_-_gcc-4x5-1Mon-14.6.0-alpha.14 (Ref) 4.0x5.0 gchp-c24-1Mon-14.6.0-alpha.15_-_gchp-c24-1Mon-14.6.0-alpha.14 (Dev) c24

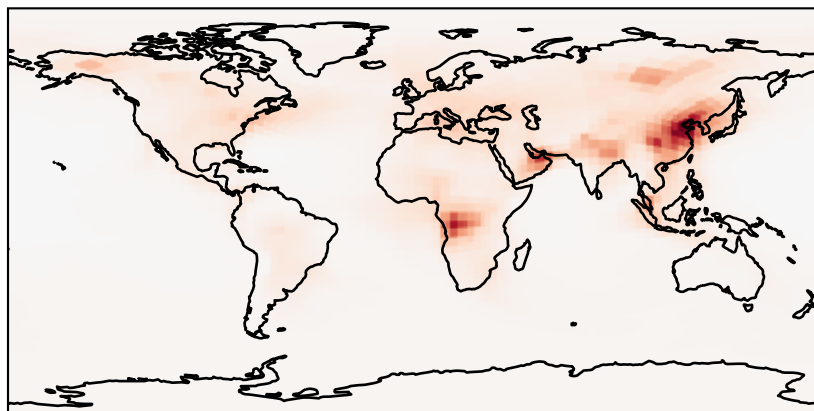


Zero throughout domain
ppb



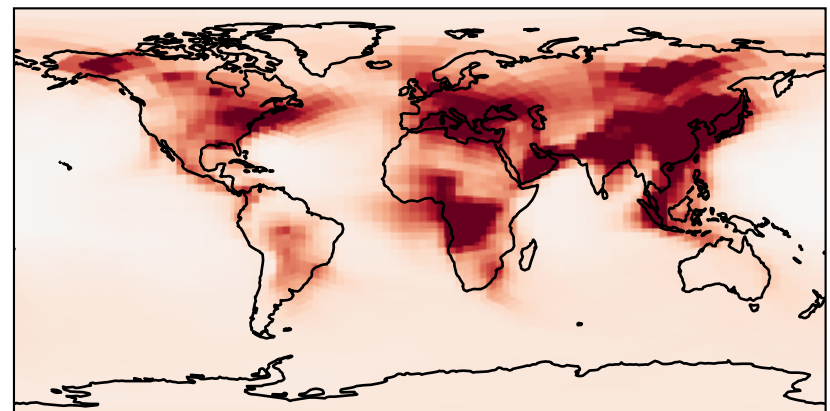
-0.002 0.000 0.002
ppb

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



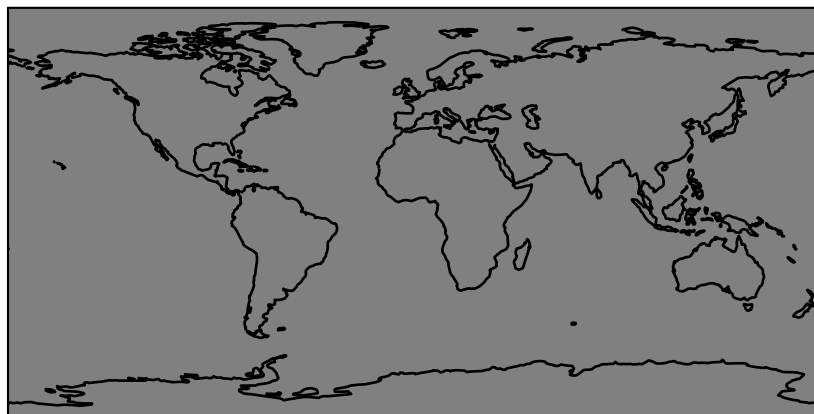
-0.0728 -0.0364 0.0000 0.0364 0.0728
ppb

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



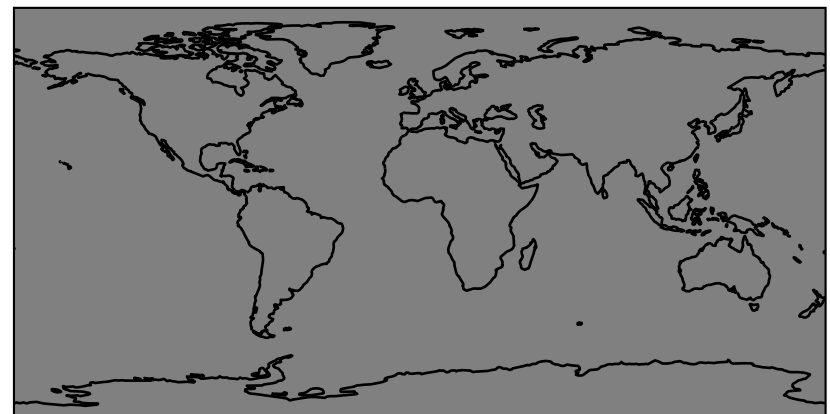
-0.008 0.000 0.008
ppb

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



Undefined throughout domain
unitless

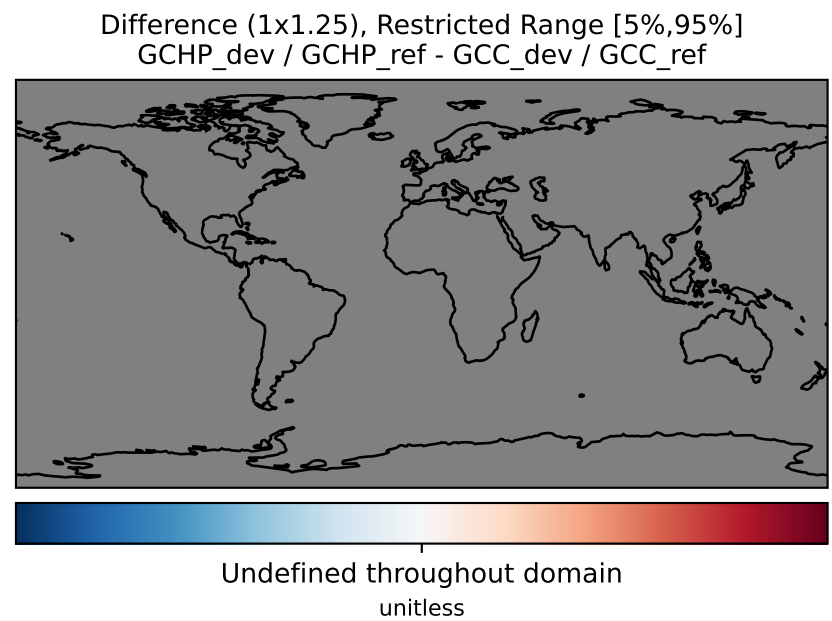
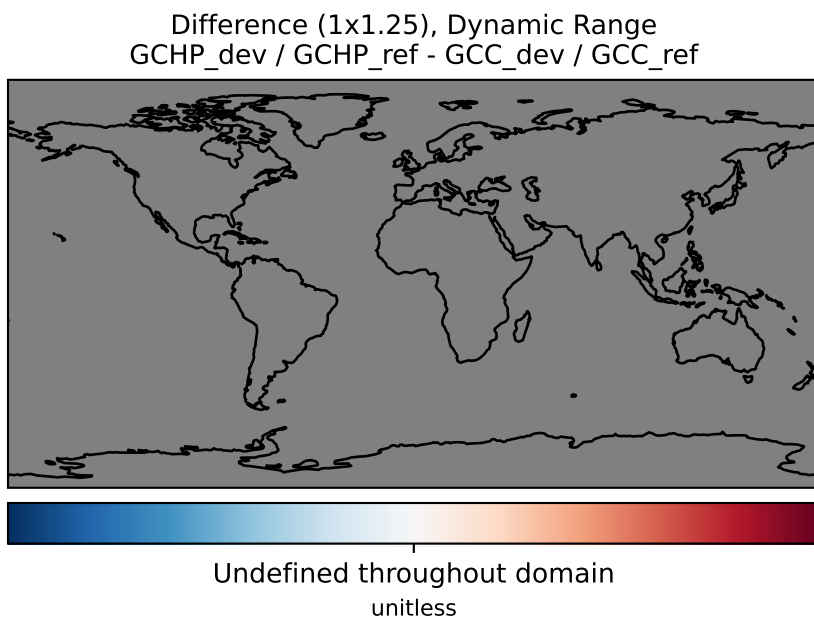
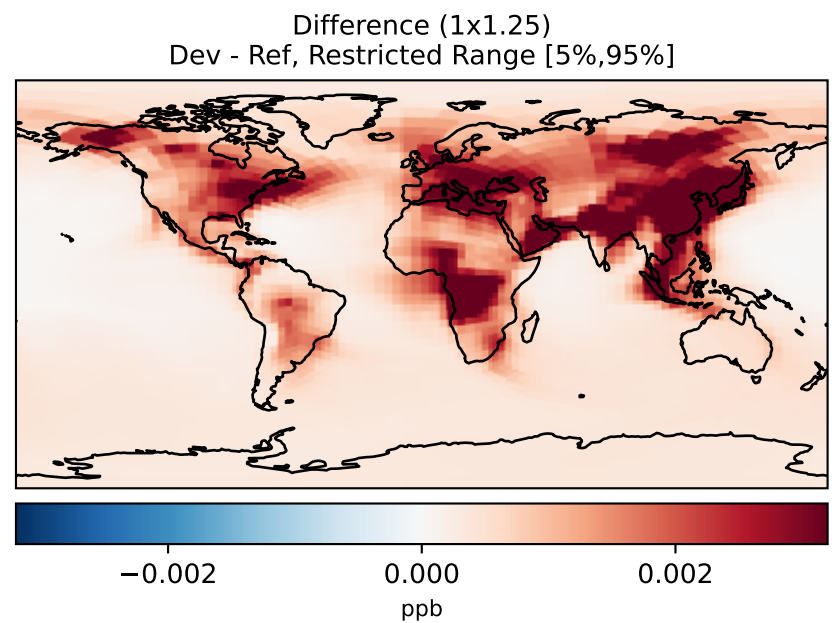
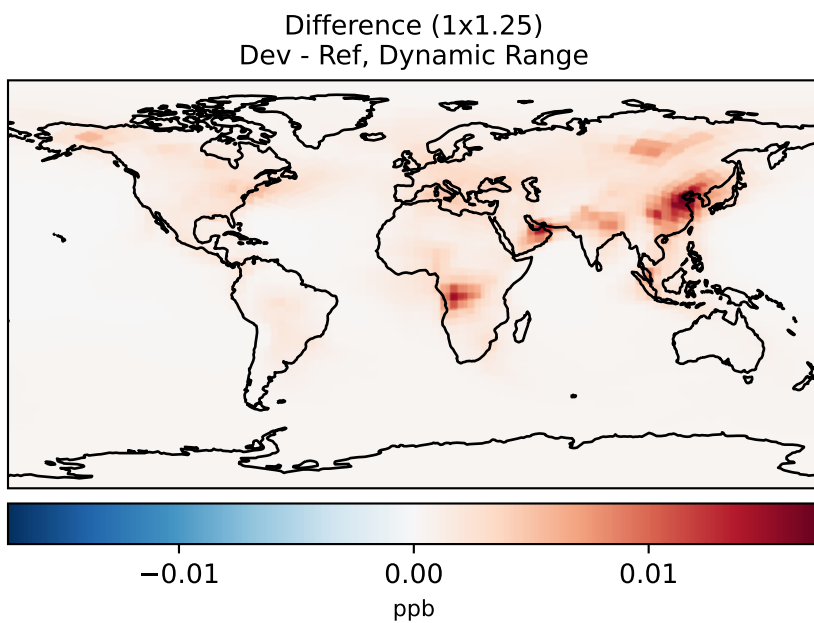
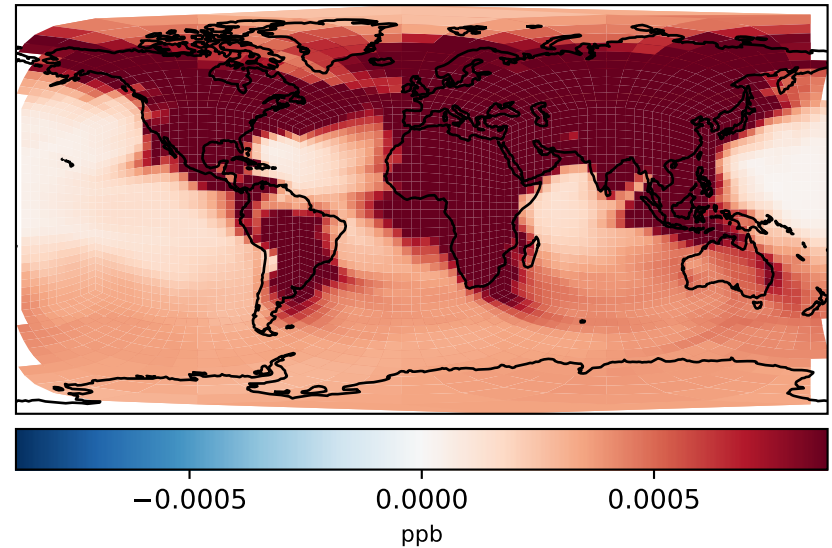
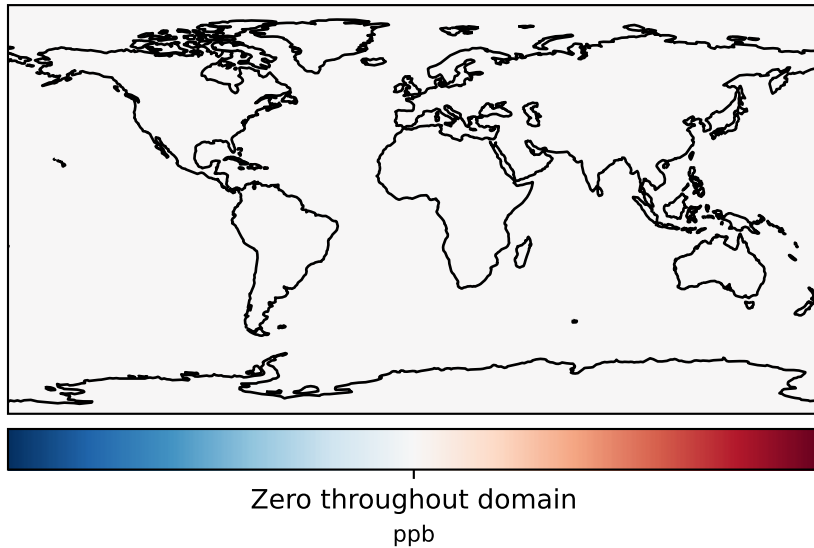
Difference (1x1.25), Restricted Range [5%,95%]
 $\text{GCHP_dev} / \text{GCHP_ref} - \text{GCC_dev} / \text{GCC_ref}$



Undefined throughout domain
unitless

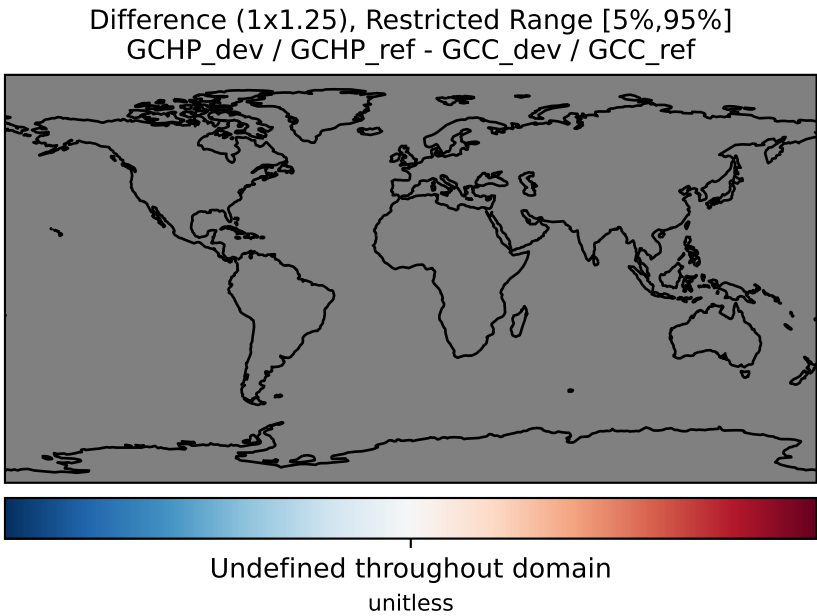
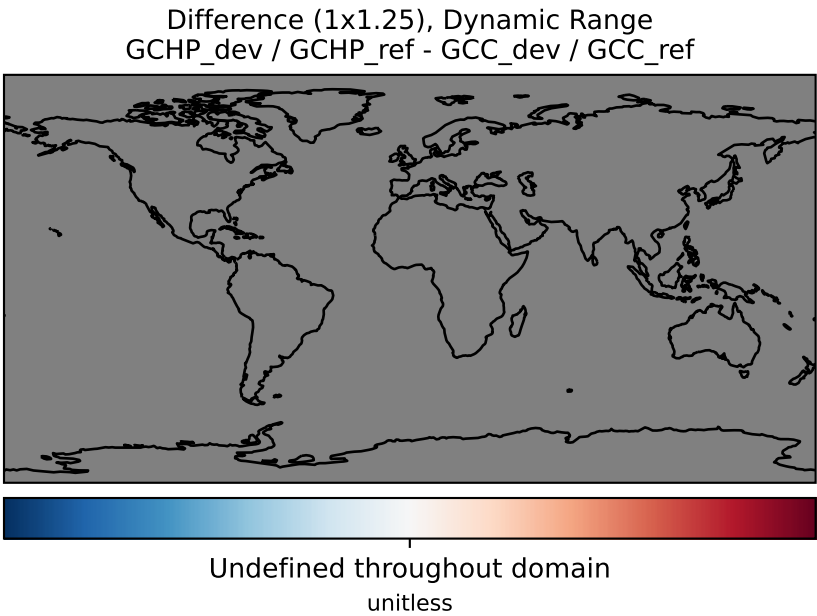
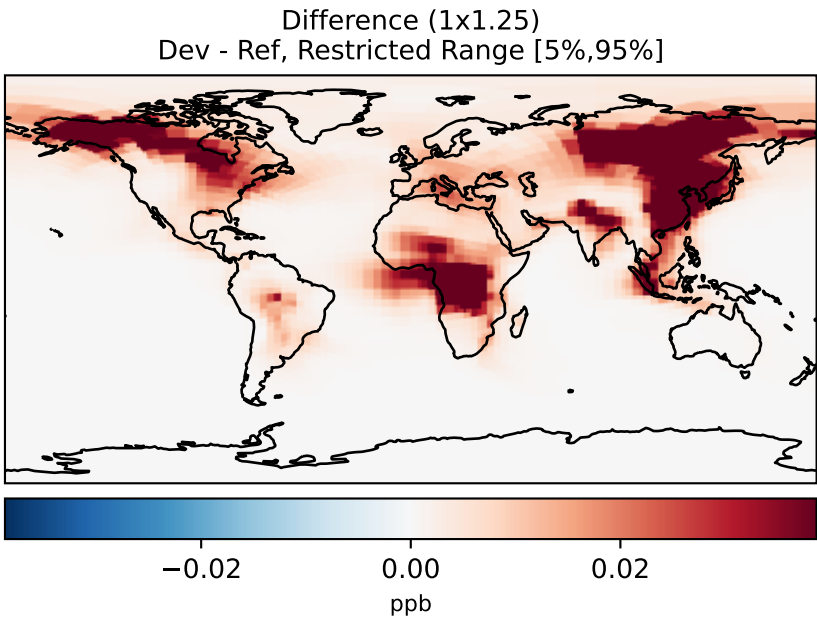
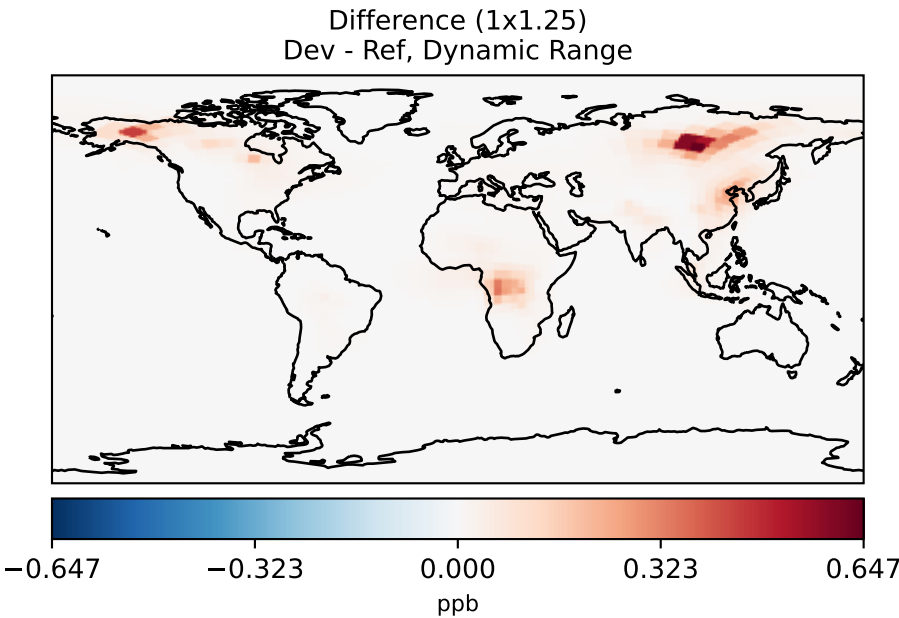
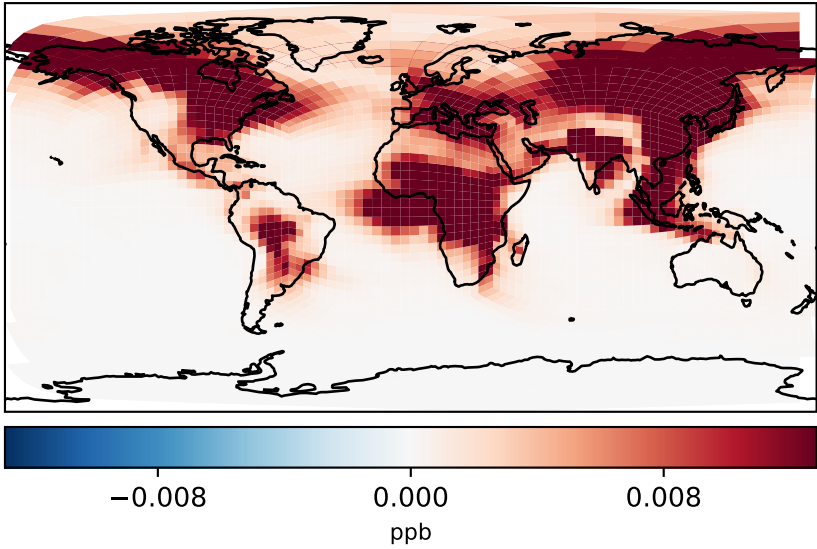
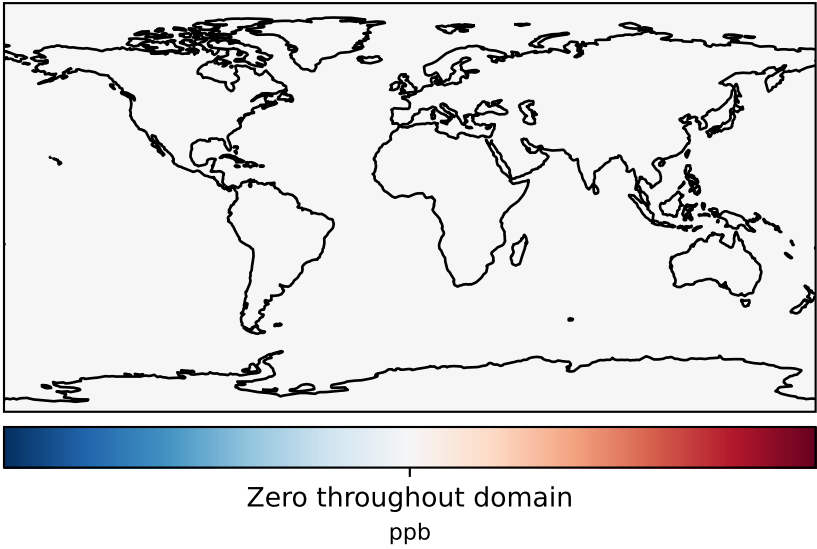
SpeciesConcVW_NPRNO3

gcc-4x5-1Mon-14.6.0-alpha.15_-_gcc-4x5-1Mon-14.6.0-alpha.14 (Ref) 4.0x5.0 gchp-c24-1Mon-14.6.0-alpha.15_-_gchp-c24-1Mon-14.6.0-alpha.14 (Dev) c24



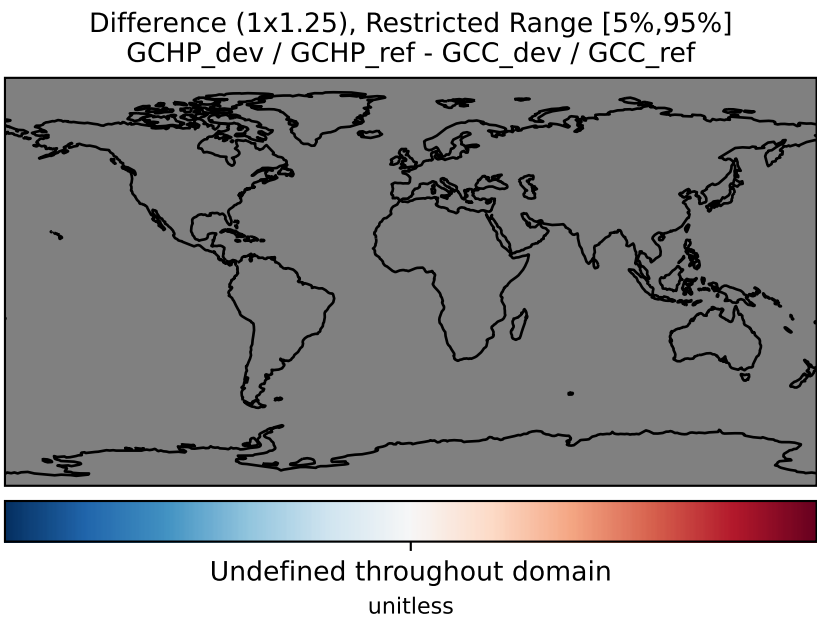
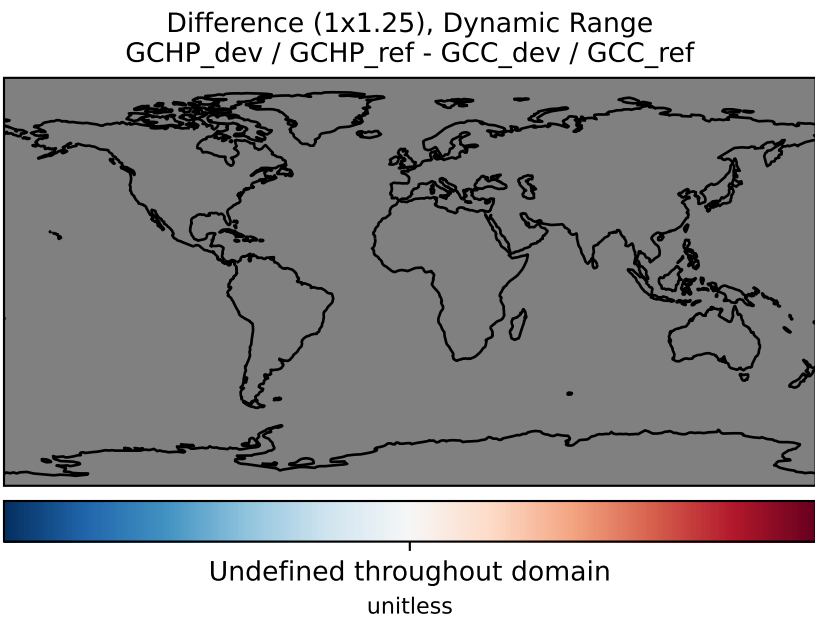
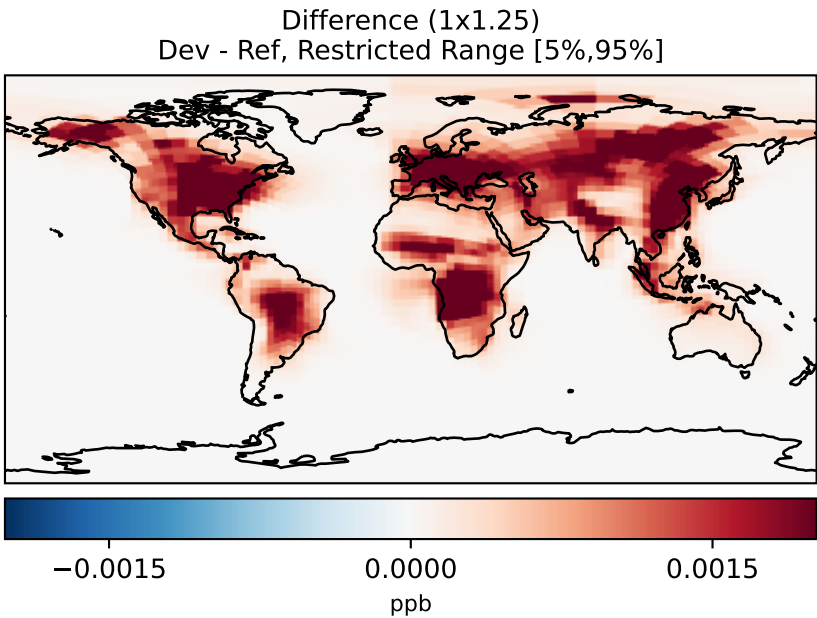
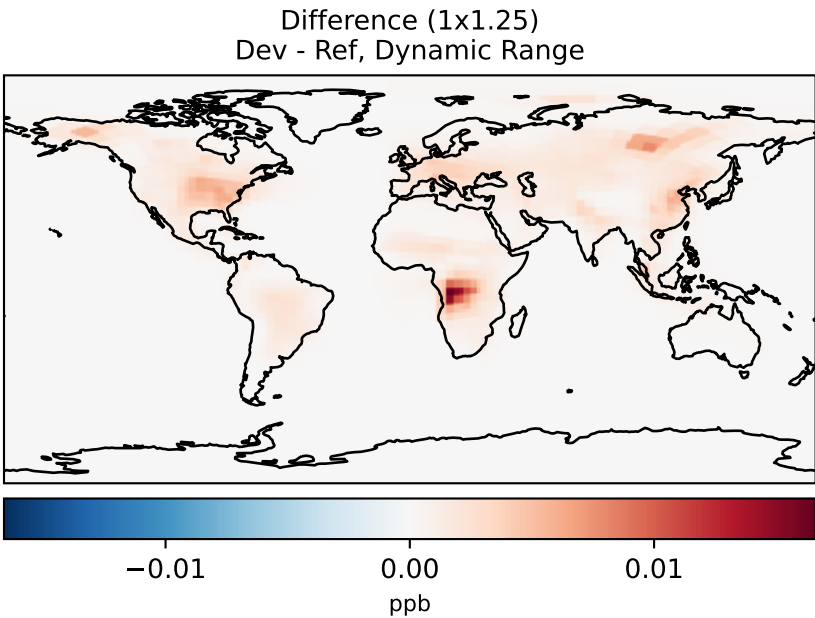
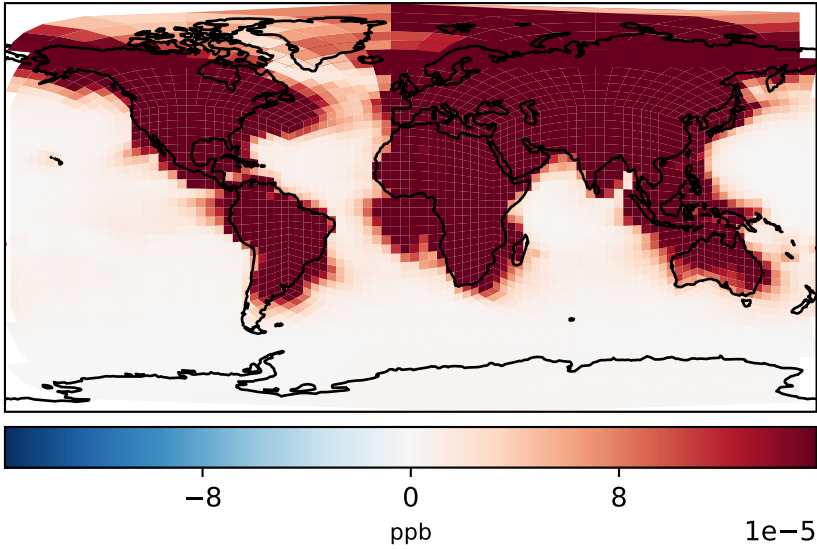
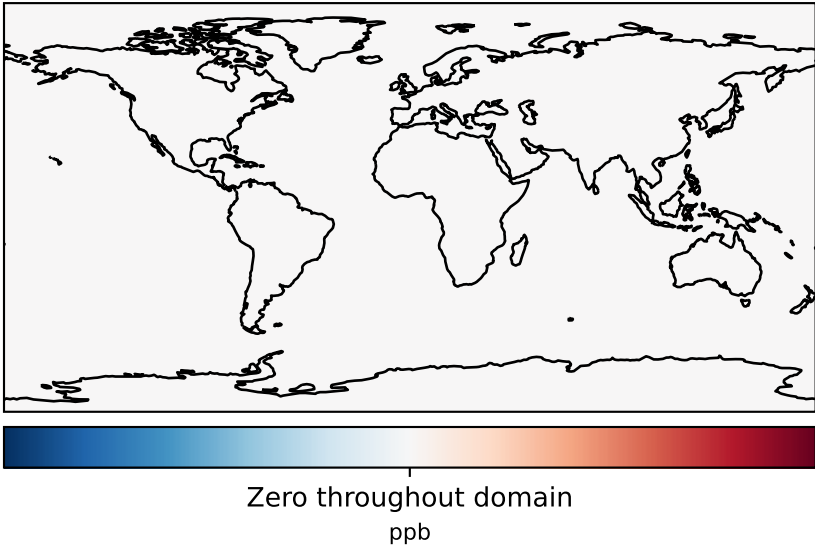
SpeciesConcVW_AONITA

gcc-4x5-1Mon-14.6.0-alpha.15_-_gcc-4x5-1Mon-14.6.0-alpha.14 (Ref) 4.0x5.0 gchp-c24-1Mon-14.6.0-alpha.15_-_gchp-c24-1Mon-14.6.0-alpha.14 (Dev) c24



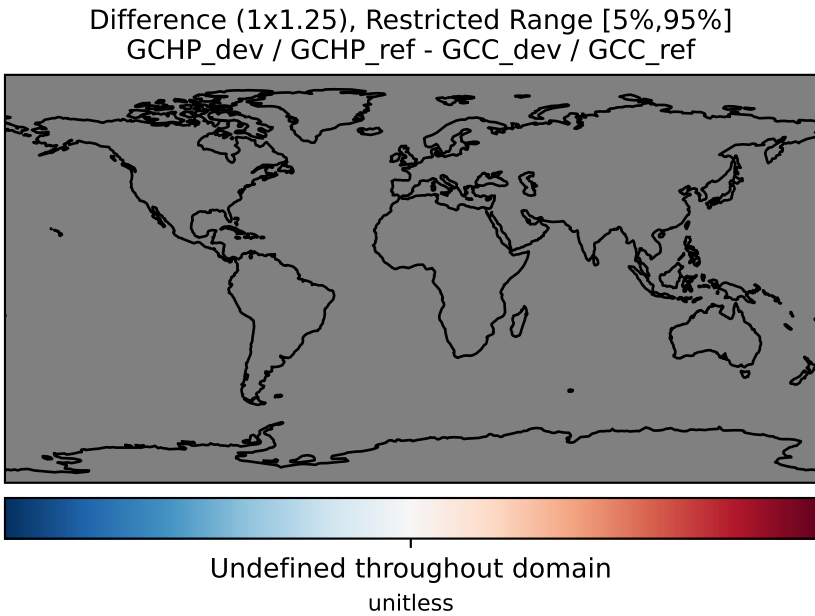
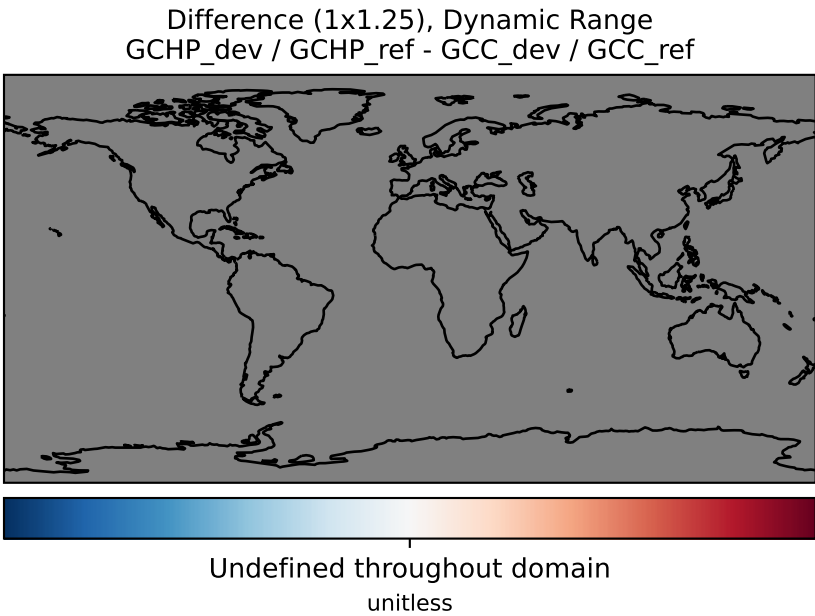
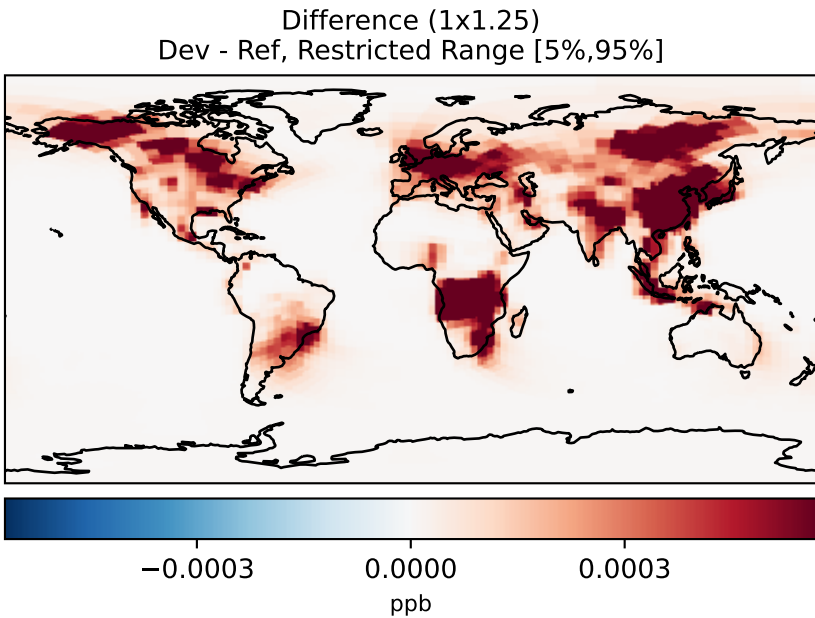
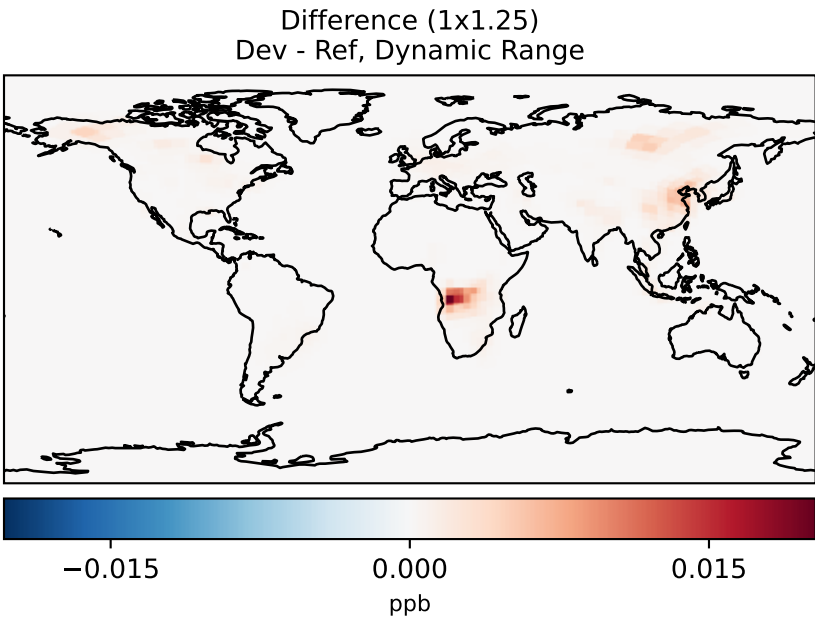
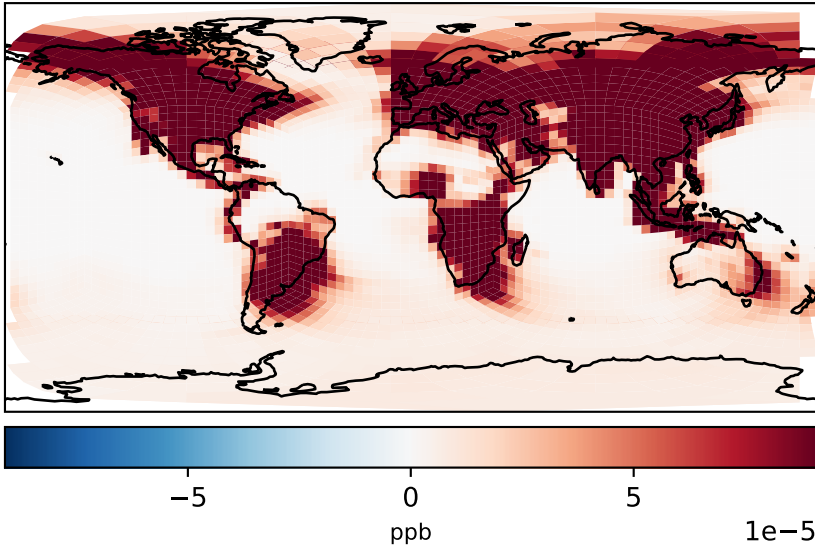
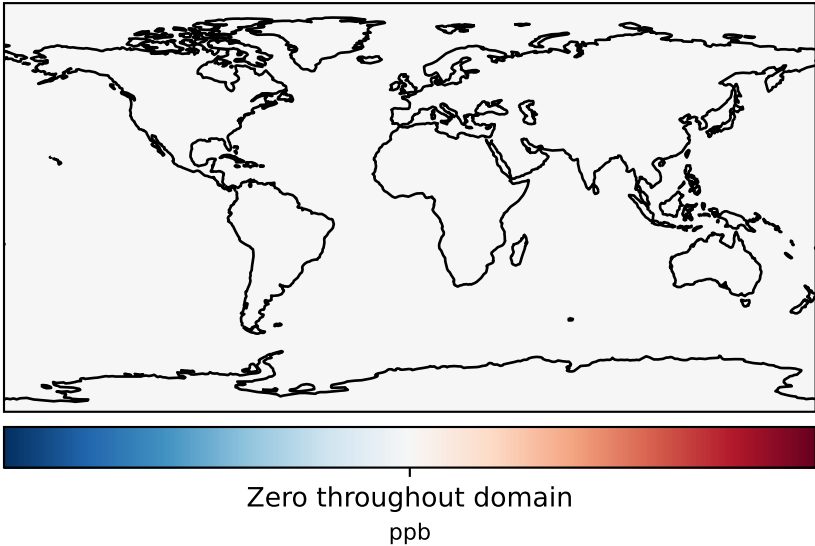
SpeciesConcVV_ETHN

gcc-4x5-1Mon-14.6.0-alpha.15_-_gcc-4x5-1Mon-14.6.0-alpha.14 (Ref) 4.0x5.0 gchp-c24-1Mon-14.6.0-alpha.15_-_gchp-c24-1Mon-14.6.0-alpha.14 (Dev) c24



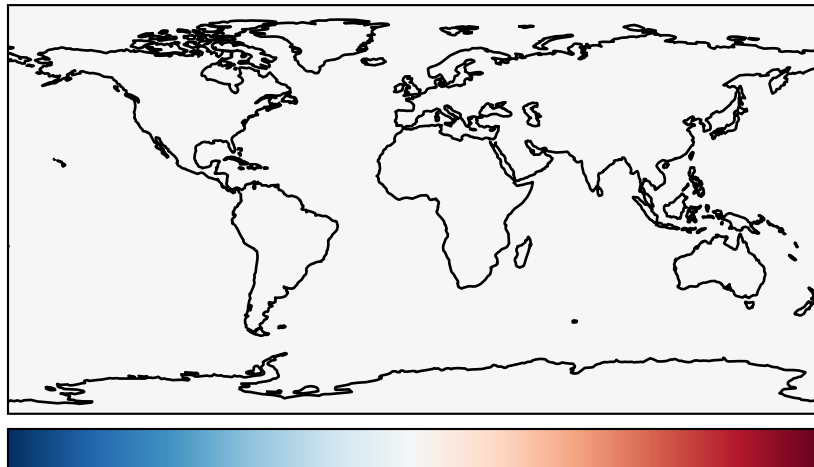
SpeciesConcVV_BZPAN

gcc-4x5-1Mon-14.6.0-alpha.15_-_gcc-4x5-1Mon-14.6.0-alpha.14 (Ref) 4.0x5.0 gchp-c24-1Mon-14.6.0-alpha.15_-_gchp-c24-1Mon-14.6.0-alpha.14 (Dev) c24

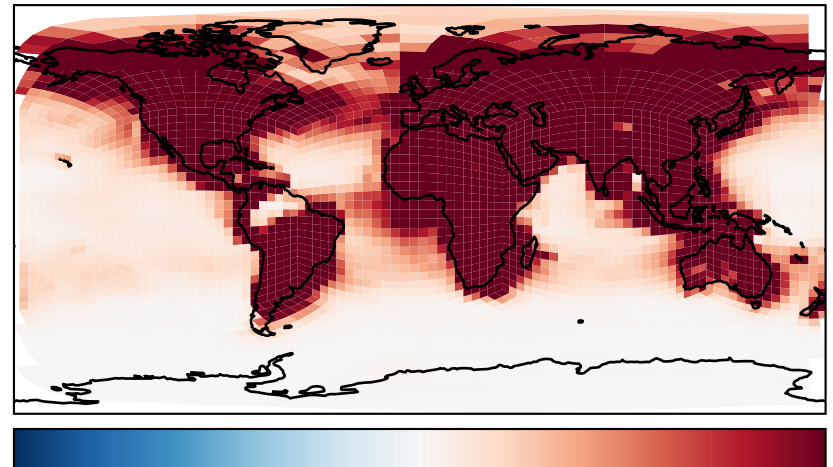


SpeciesConcVV_NPHEN

gcc-4x5-1Mon-14.6.0-alpha.15_-_gcc-4x5-1Mon-14.6.0-alpha.14 (Ref) 4.0x5.0 gchp-c24-1Mon-14.6.0-alpha.15_-_gchp-c24-1Mon-14.6.0-alpha.14 (Dev) c24

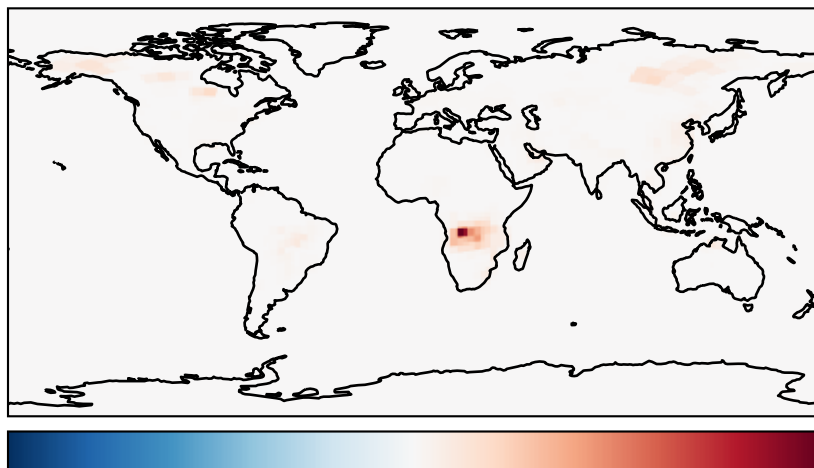


Zero throughout domain
ppb



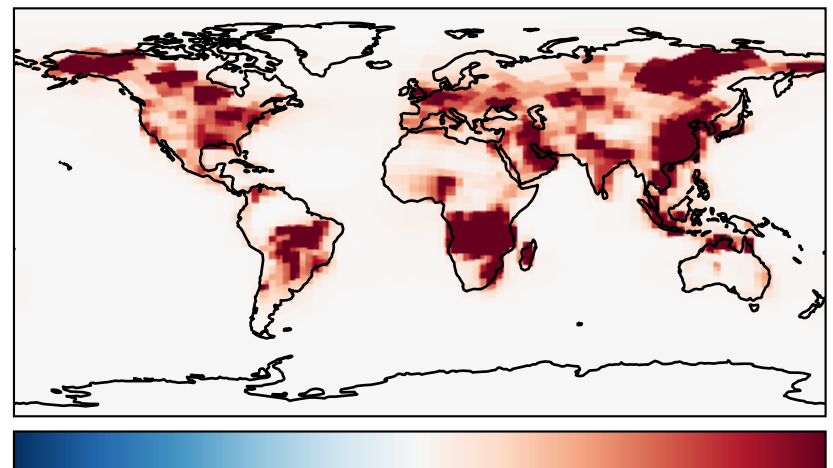
-2.5 0.0 2.5
ppb 1e-5

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



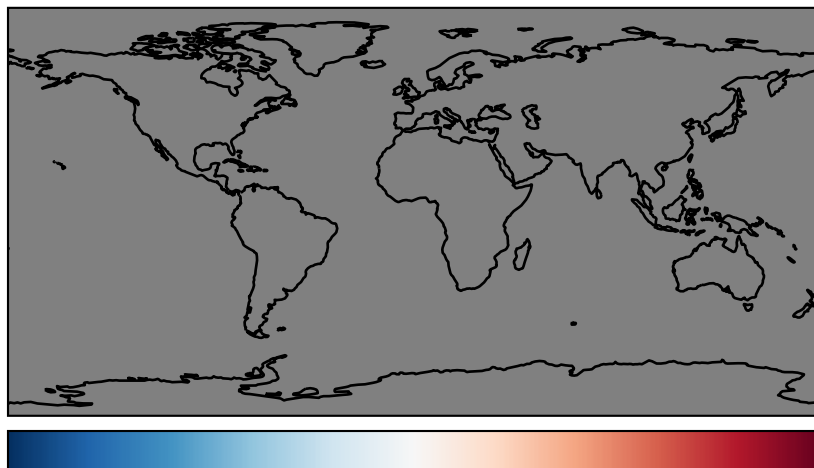
-0.0802 -0.0401 0.0000 0.0401 0.0802
ppb

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



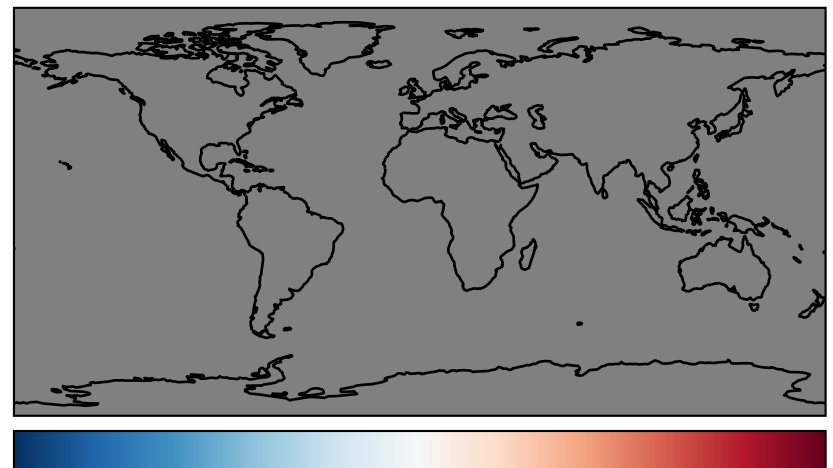
-0.0008 0.0000 0.0008
ppb

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



Undefined throughout domain
unitless

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



Undefined throughout domain
unitless