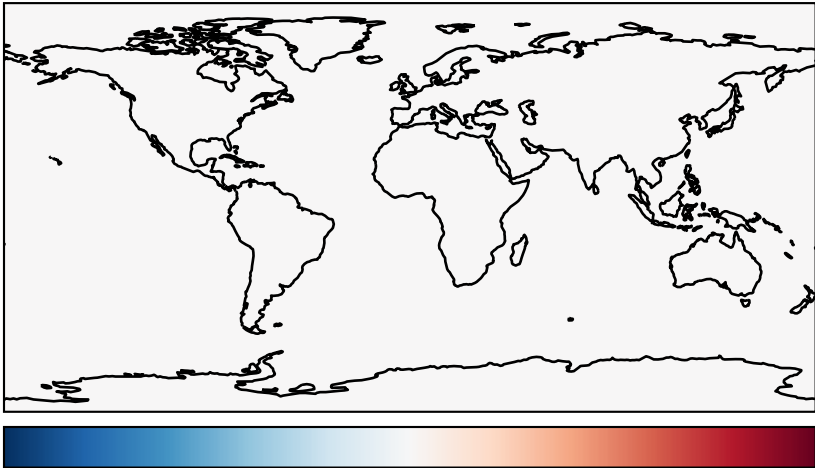
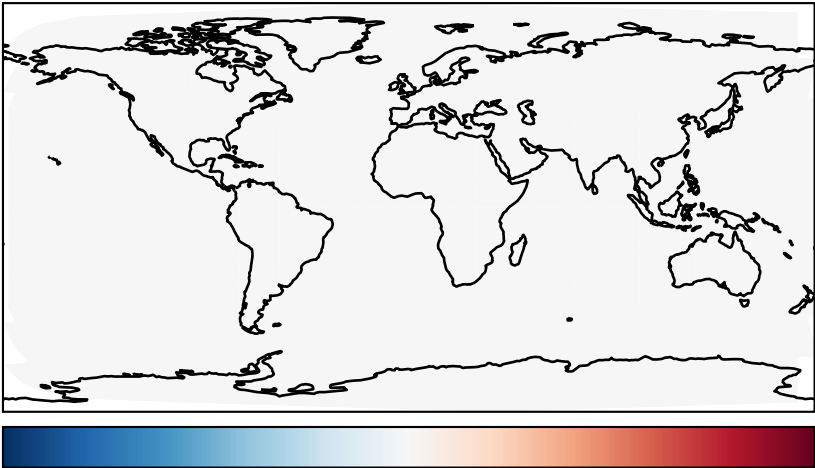


# SpeciesConcVV\_NOy

gcc-4x5-1Mon-14.7.0-alpha.13\_-\_gcc-4x5-1Mon-14.7.0-alpha.12 (Ref) 4.0x5.0      gchp-c24-1Mon-14.7.0-alpha.13\_-\_gchp-c24-1Mon-14.7.0-alpha.12 (Dev) c24

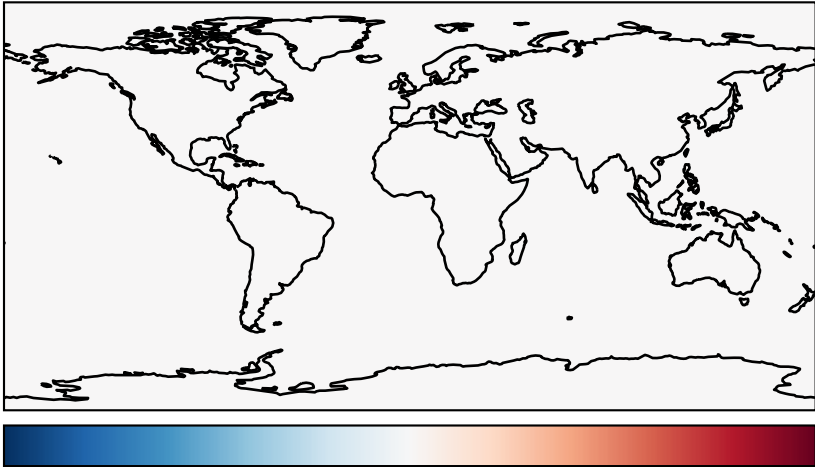


Zero throughout domain  
ppb



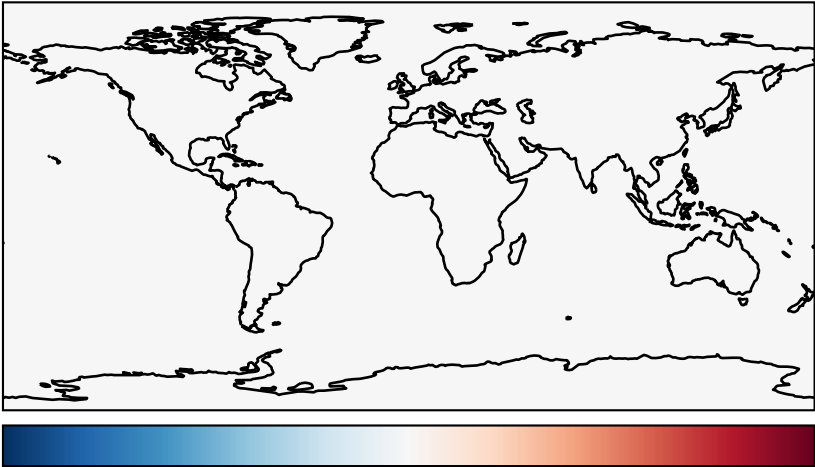
Zero throughout domain  
ppb

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



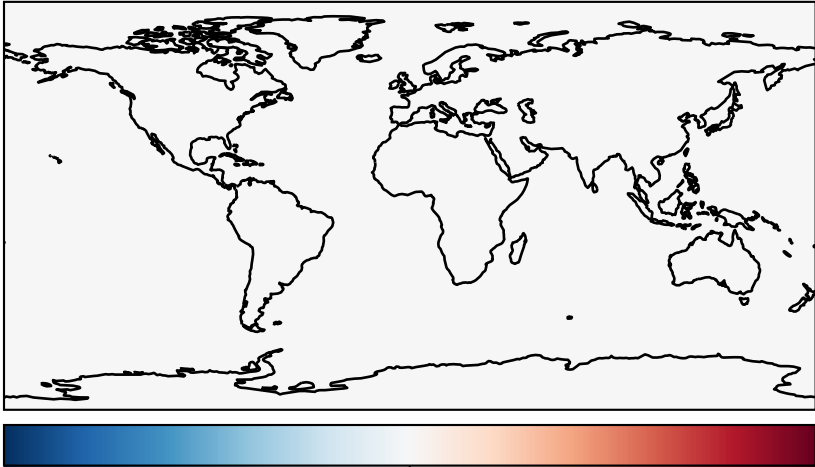
Zero throughout domain  
ppb

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



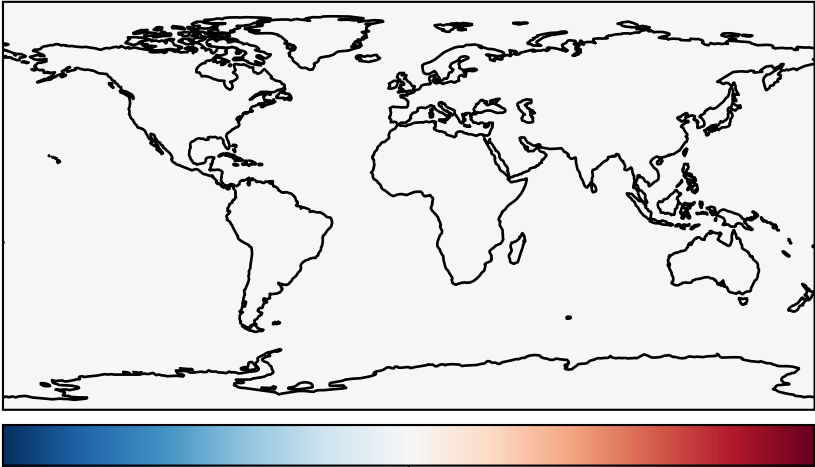
Zero throughout domain  
ppb

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



Undefined throughout domain  
unitless

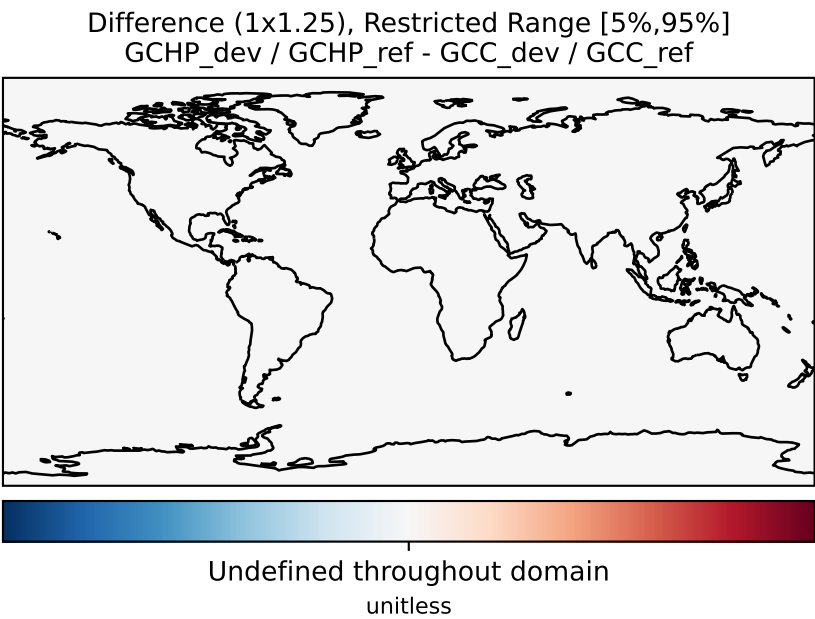
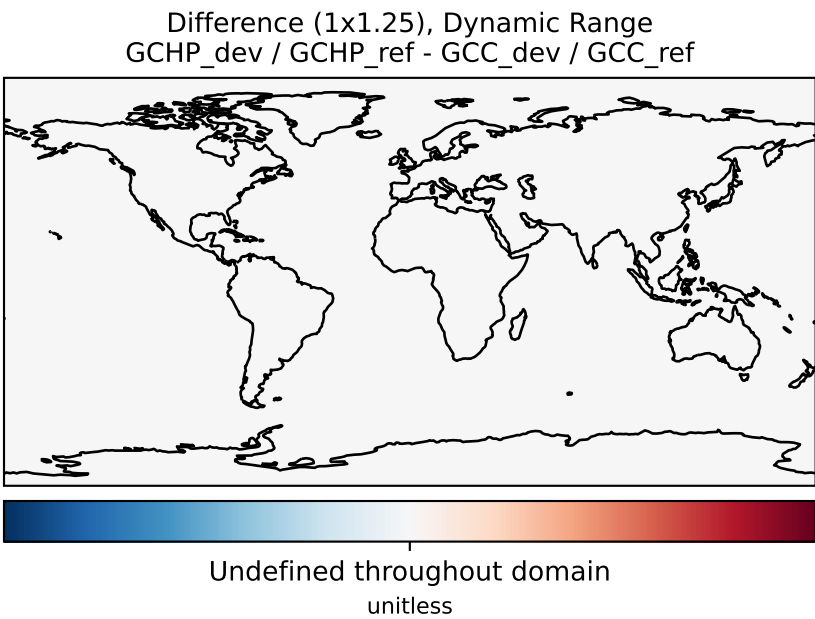
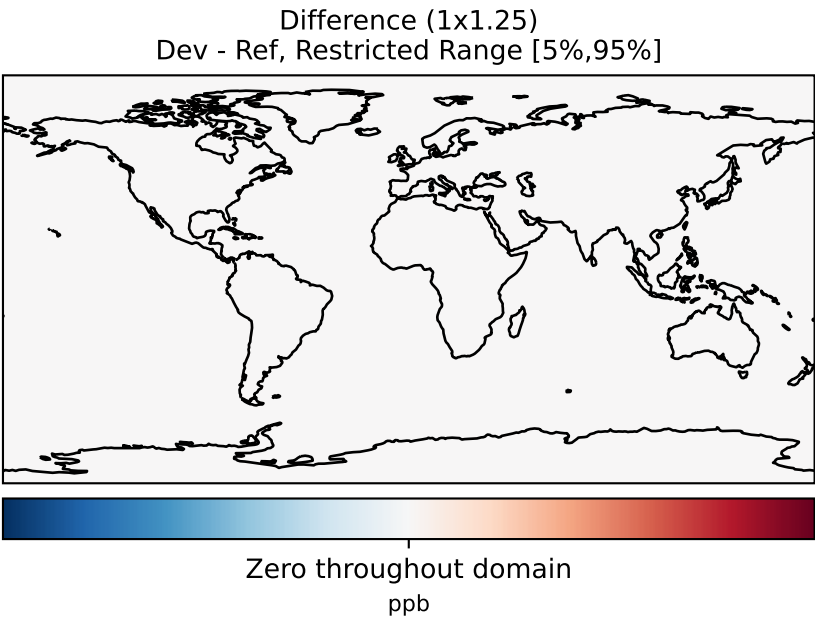
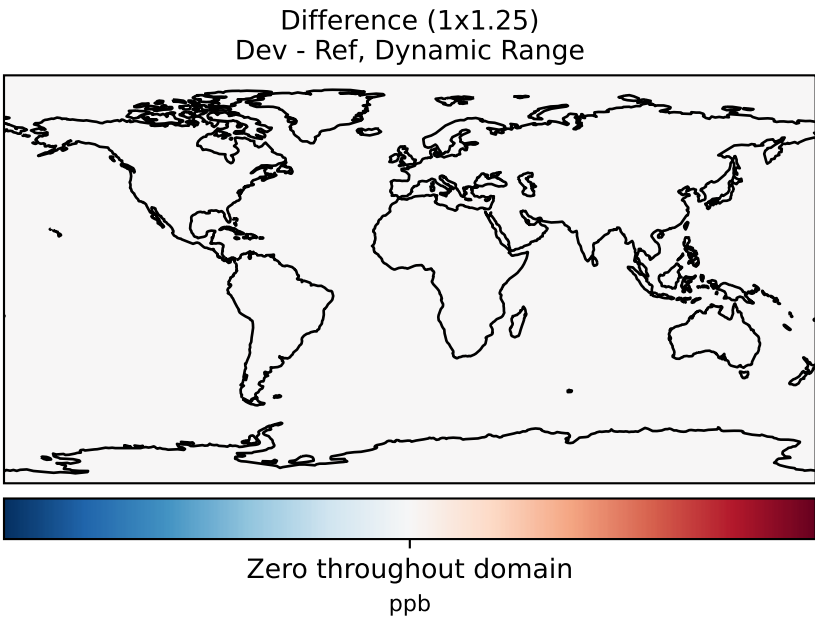
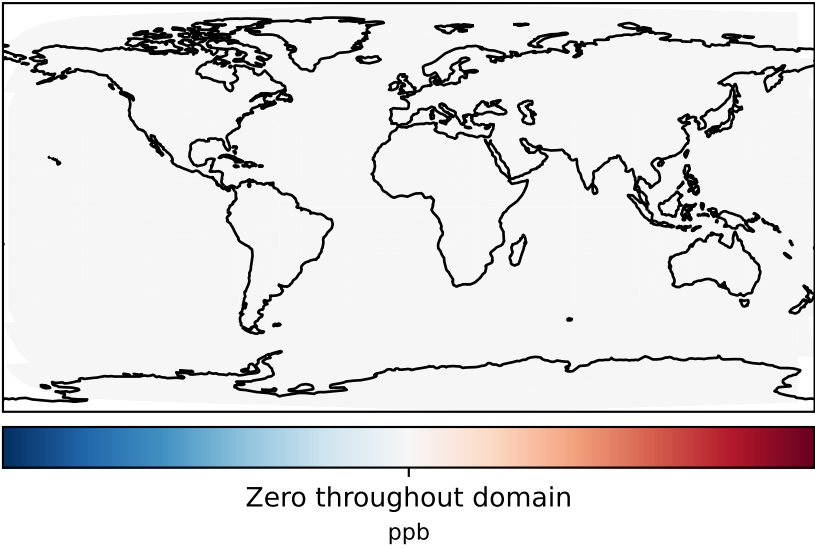
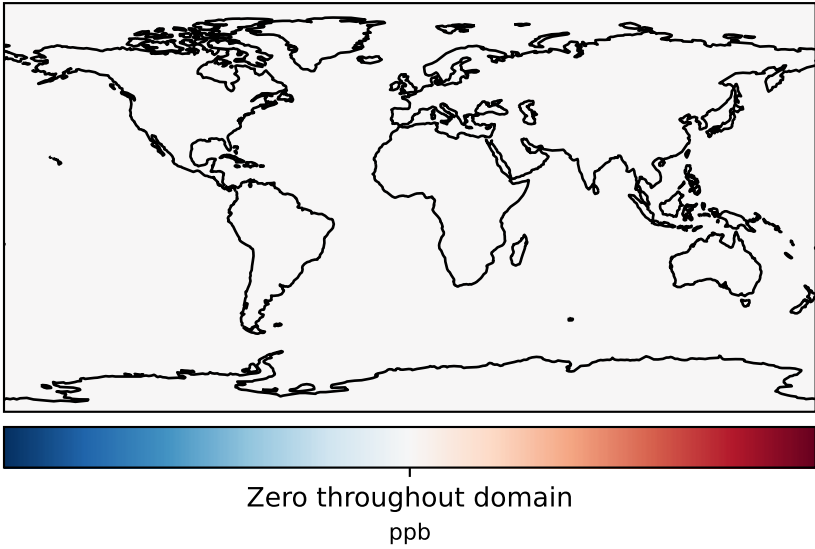
Difference (1x1.25), Restricted Range [5%,95%]  
GCHP\_dev / GCHP\_ref - GCC\_dev / GCC\_ref



Undefined throughout domain  
unitless

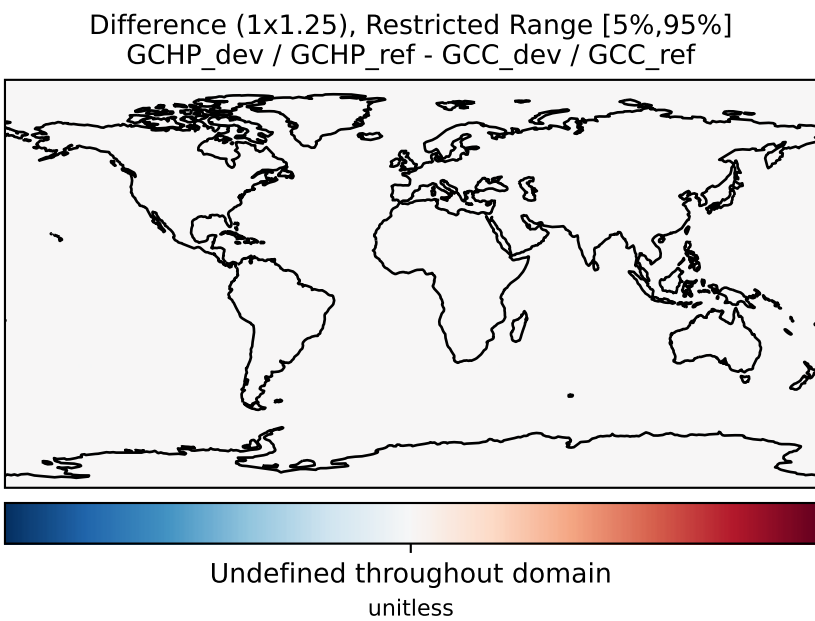
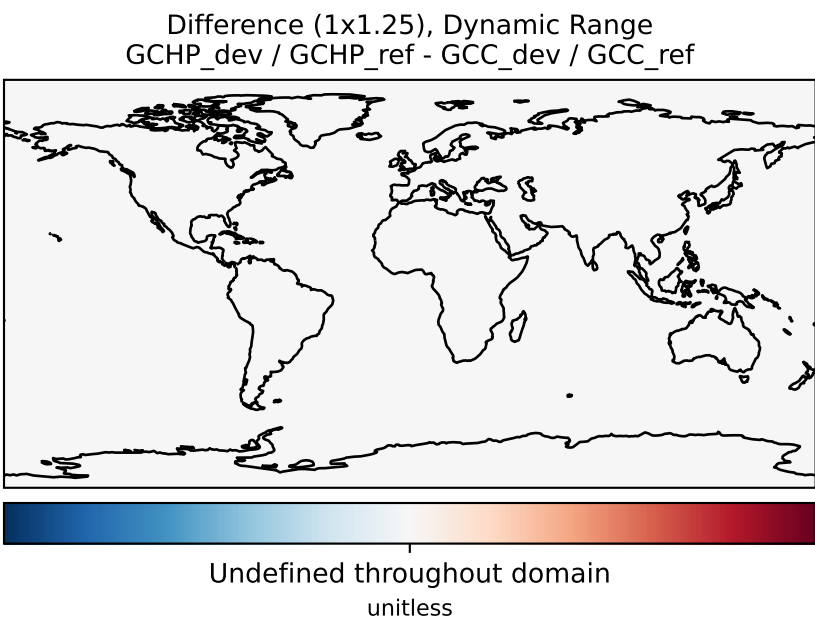
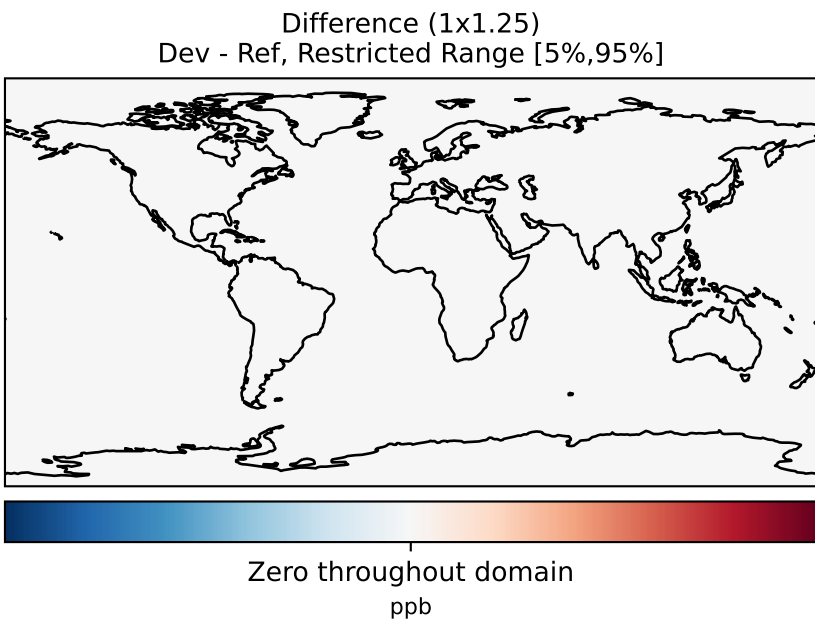
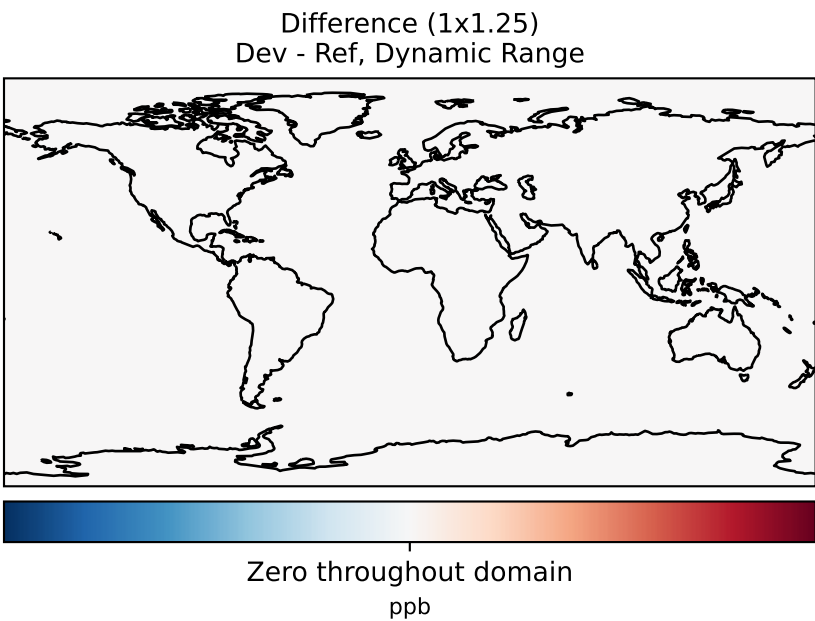
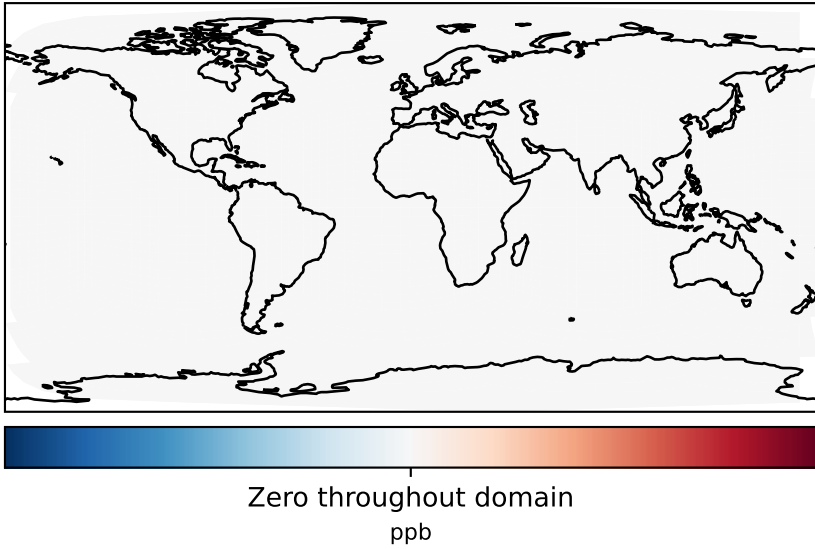
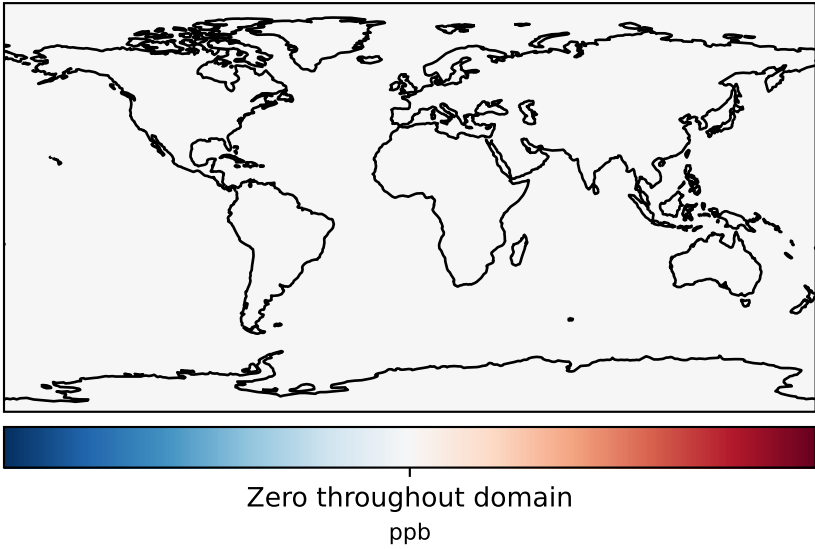
# SpeciesConcVV\_NOx

gcc-4x5-1Mon-14.7.0-alpha.13\_-\_gcc-4x5-1Mon-14.7.0-alpha.12 (Ref) 4.0x5.0      gchp-c24-1Mon-14.7.0-alpha.13\_-\_gchp-c24-1Mon-14.7.0-alpha.12 (Dev) c24



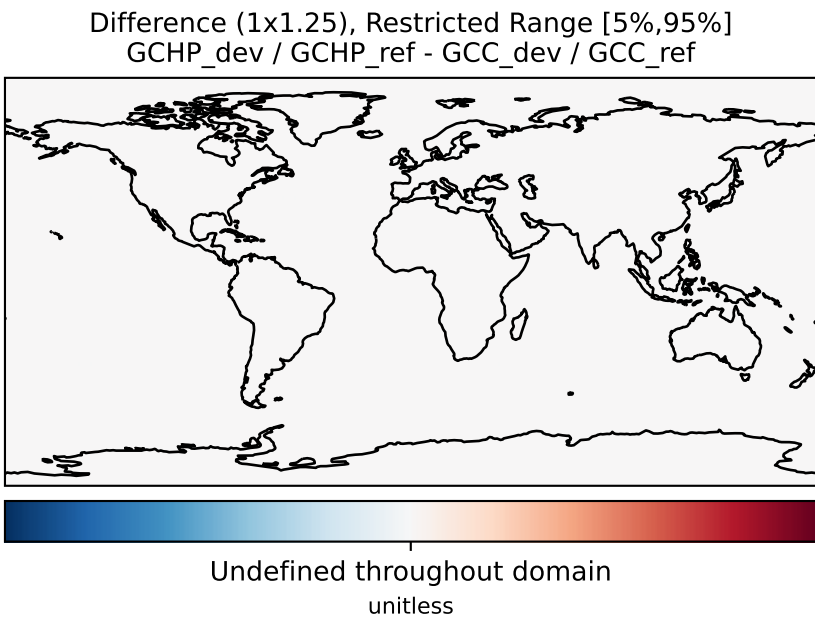
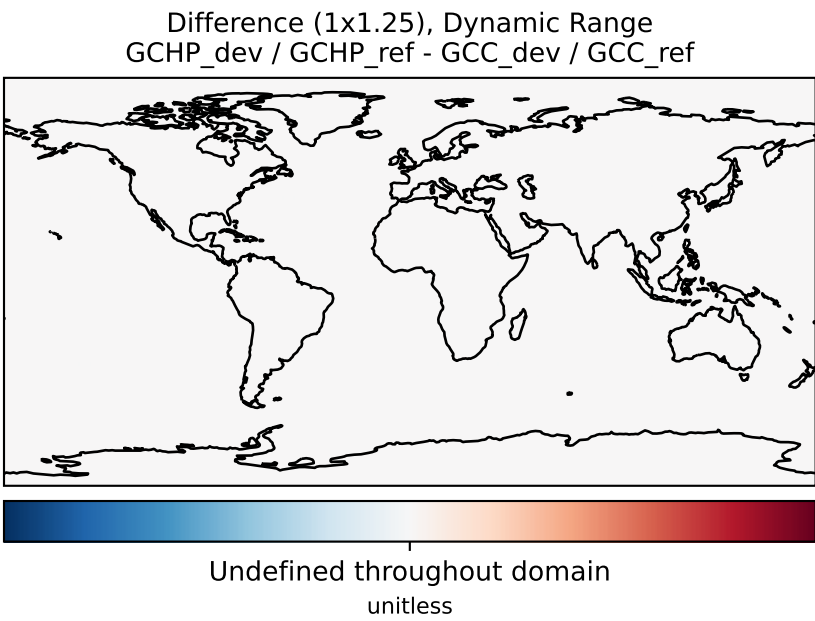
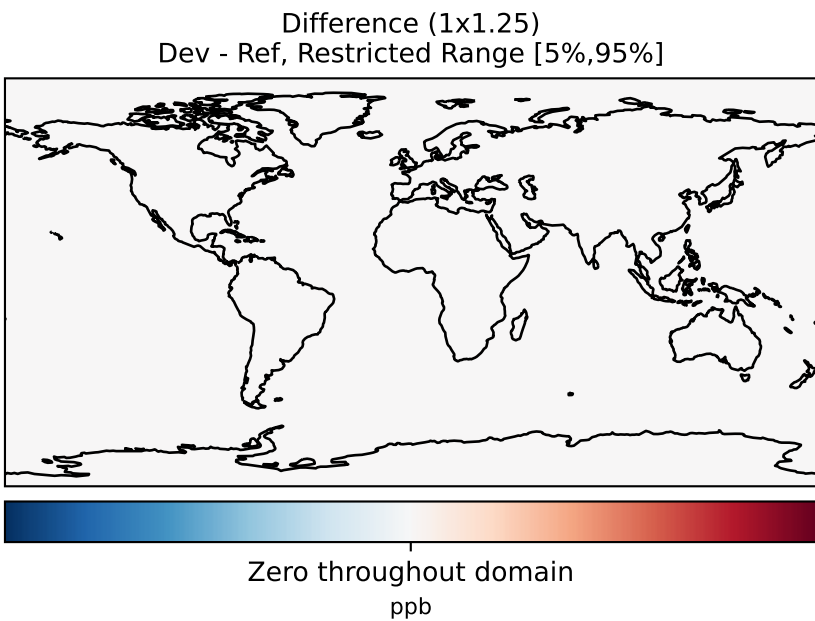
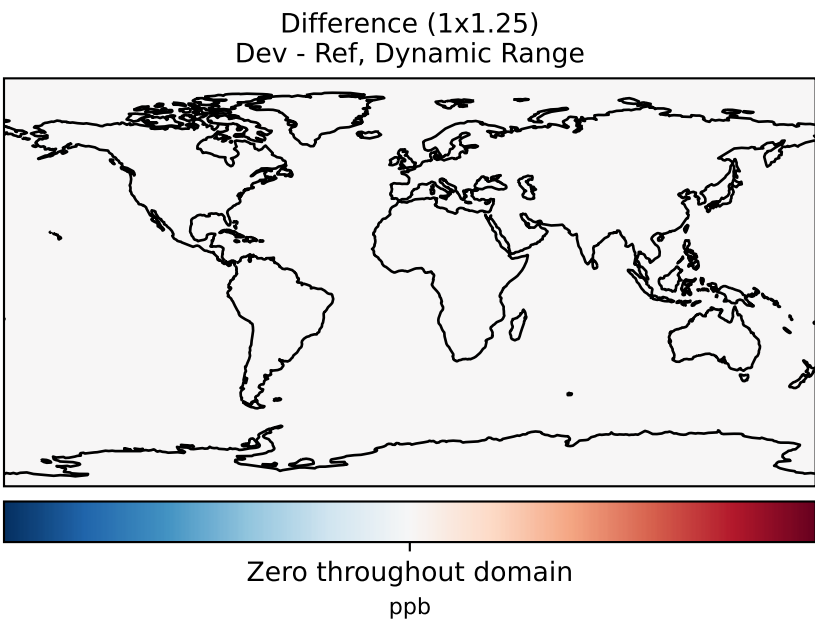
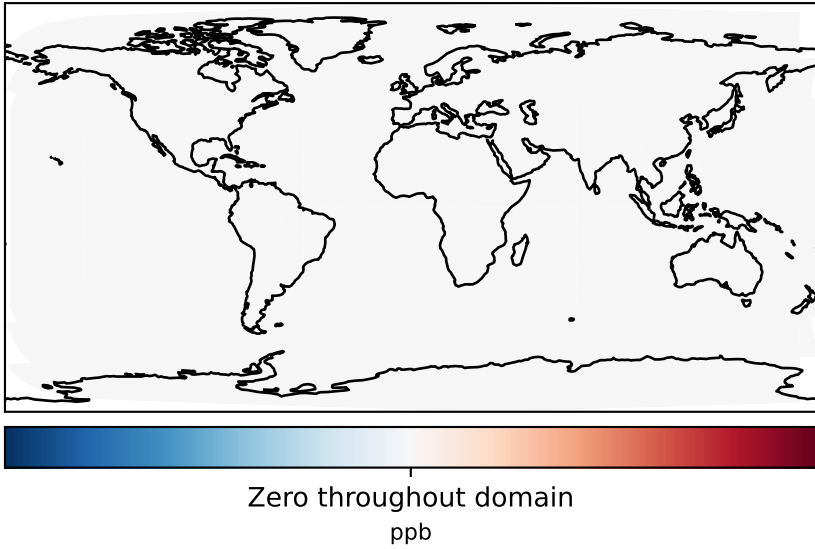
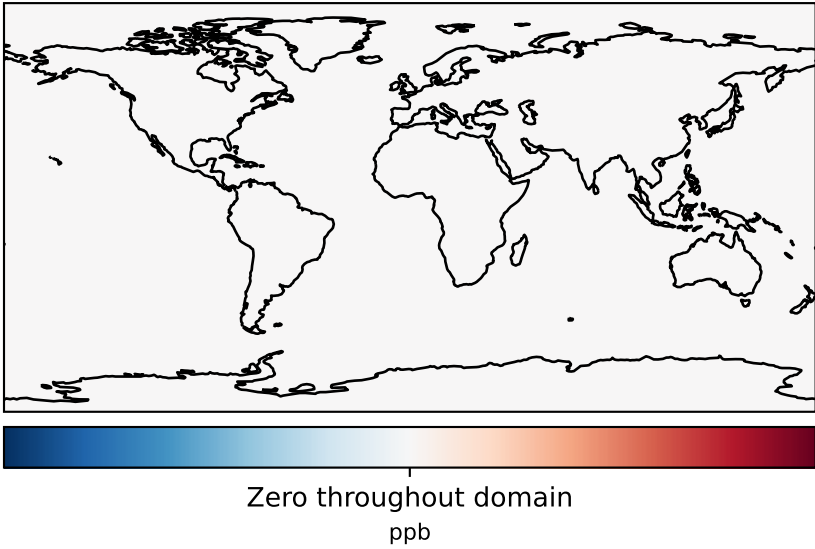
# SpeciesConcVV\_HNO2

gcc-4x5-1Mon-14.7.0-alpha.13\_-\_gcc-4x5-1Mon-14.7.0-alpha.12 (Ref) 4.0x5.0      gchp-c24-1Mon-14.7.0-alpha.13\_-\_gchp-c24-1Mon-14.7.0-alpha.12 (Dev) c24



# SpeciesConcVV\_HNO3

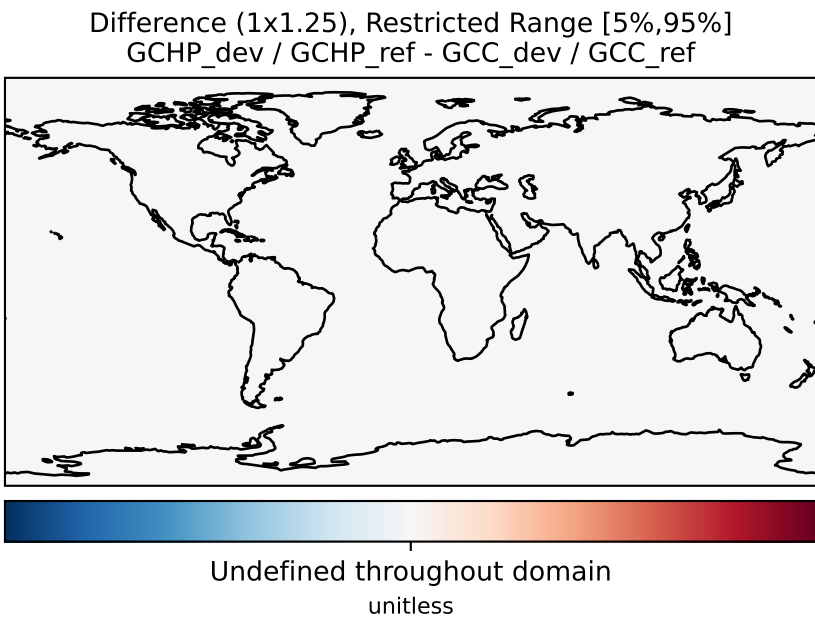
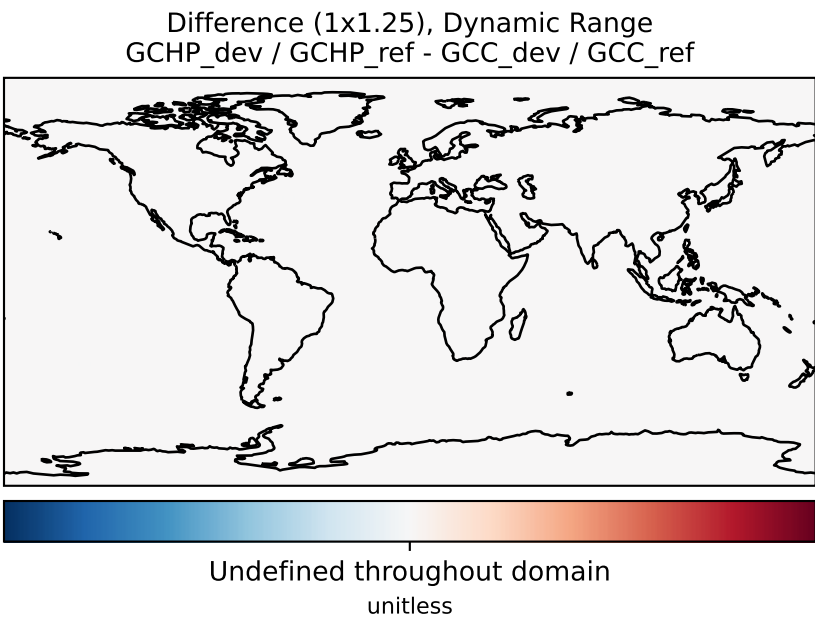
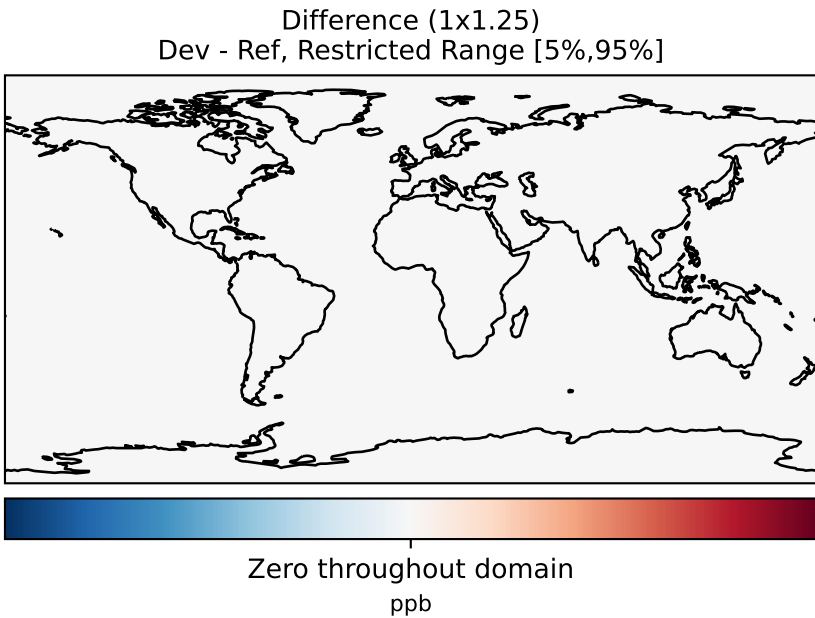
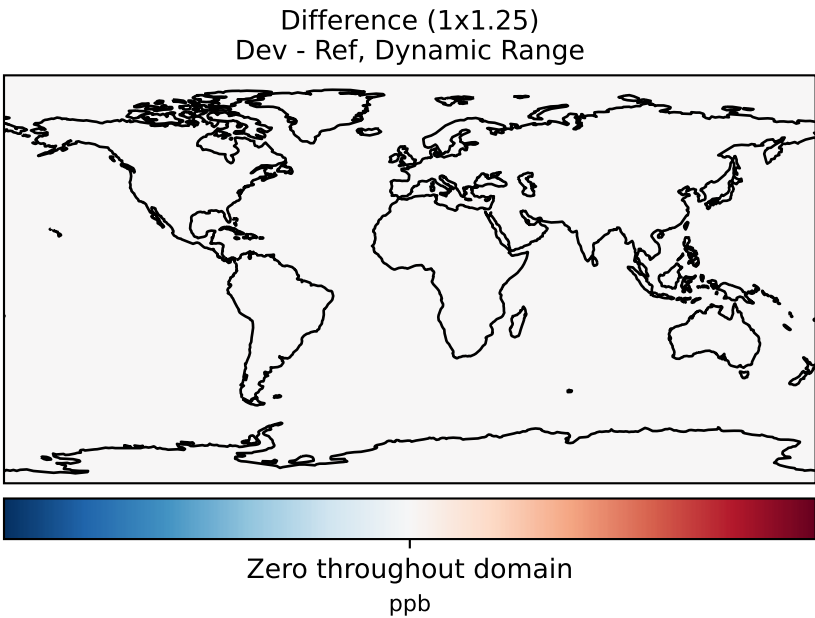
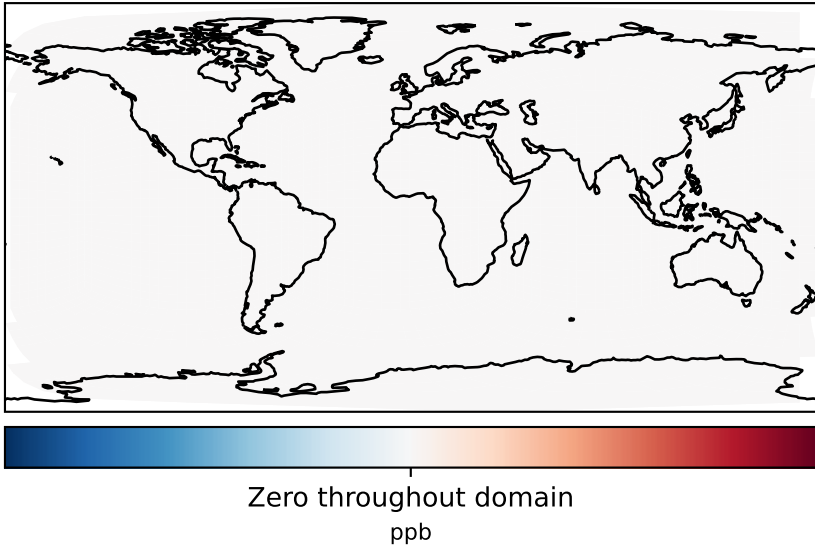
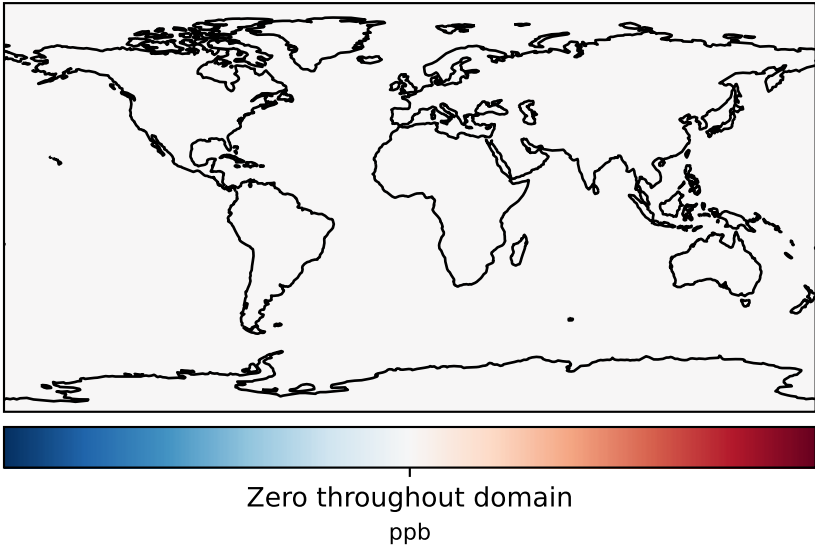
gcc-4x5-1Mon-14.7.0-alpha.13\_-\_gcc-4x5-1Mon-14.7.0-alpha.12 (Ref) 4.0x5.0      gchp-c24-1Mon-14.7.0-alpha.13\_-\_gchp-c24-1Mon-14.7.0-alpha.12 (Dev) c24





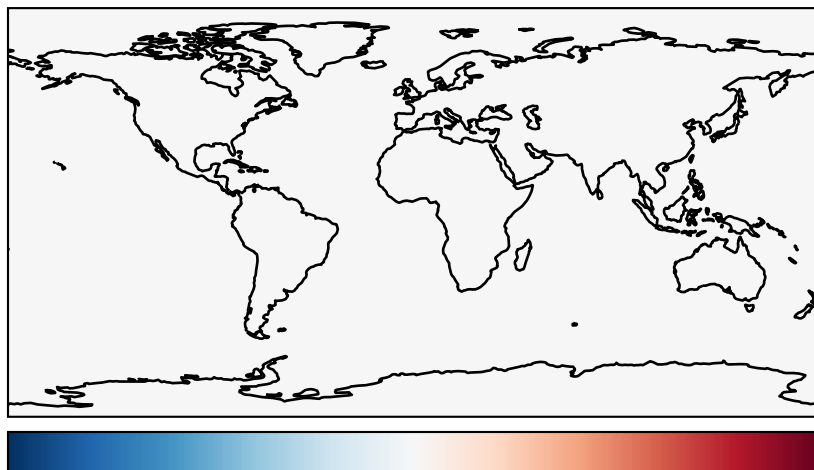
# SpeciesConcVV\_HNO4

gcc-4x5-1Mon-14.7.0-alpha.13\_-\_gcc-4x5-1Mon-14.7.0-alpha.12 (Ref) 4.0x5.0      gchp-c24-1Mon-14.7.0-alpha.13\_-\_gchp-c24-1Mon-14.7.0-alpha.12 (Dev) c24

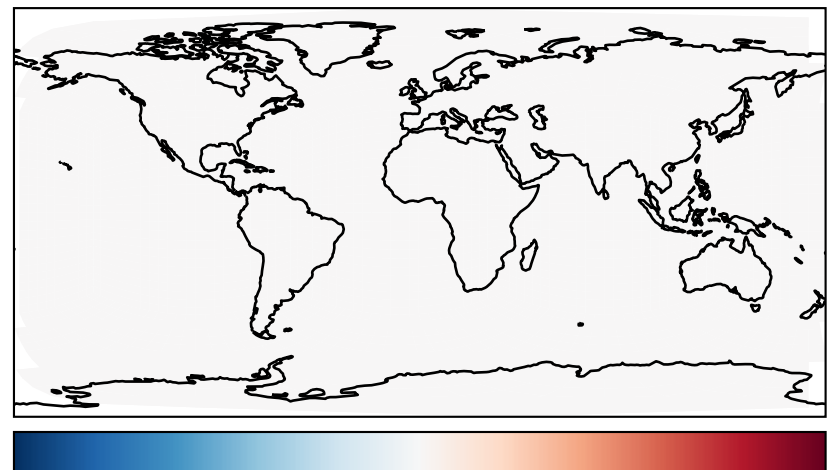


# SpeciesConcVV\_MPAN

gcc-4x5-1Mon-14.7.0-alpha.13\_-\_gcc-4x5-1Mon-14.7.0-alpha.12 (Ref) 4.0x5.0      gchp-c24-1Mon-14.7.0-alpha.13\_-\_gchp-c24-1Mon-14.7.0-alpha.12 (Dev) c24

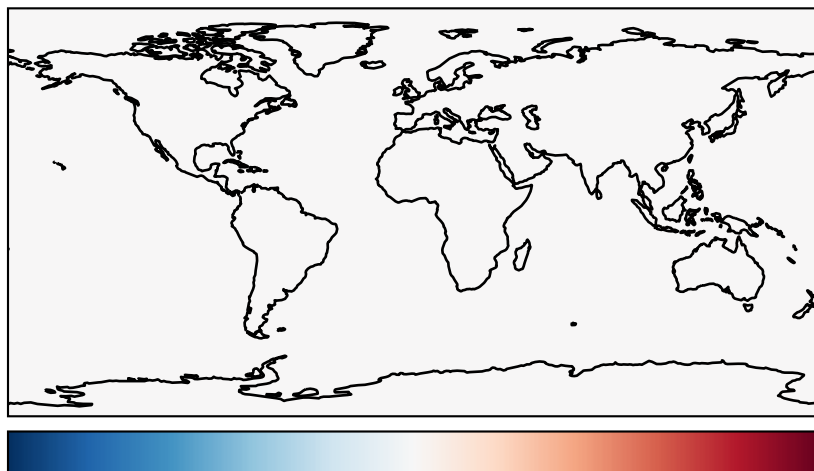


Zero throughout domain  
ppb



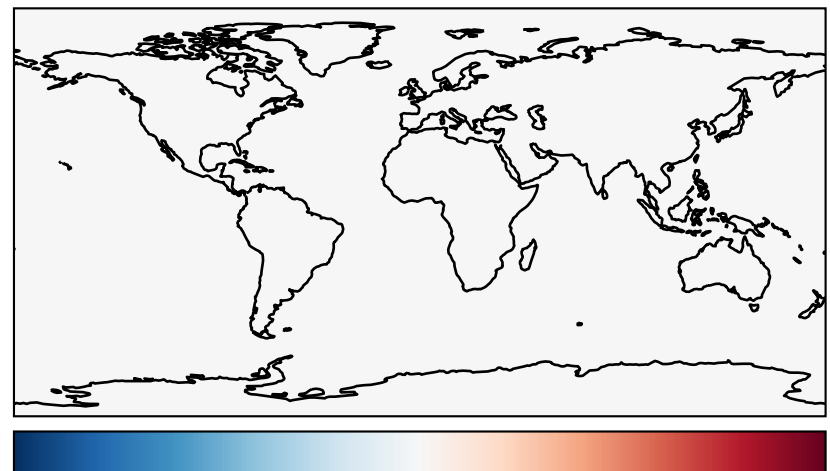
Zero throughout domain  
ppb

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



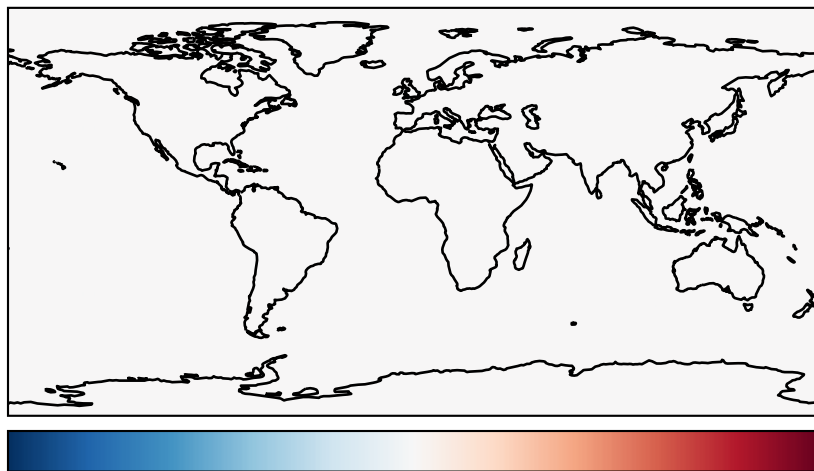
Zero throughout domain  
ppb

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



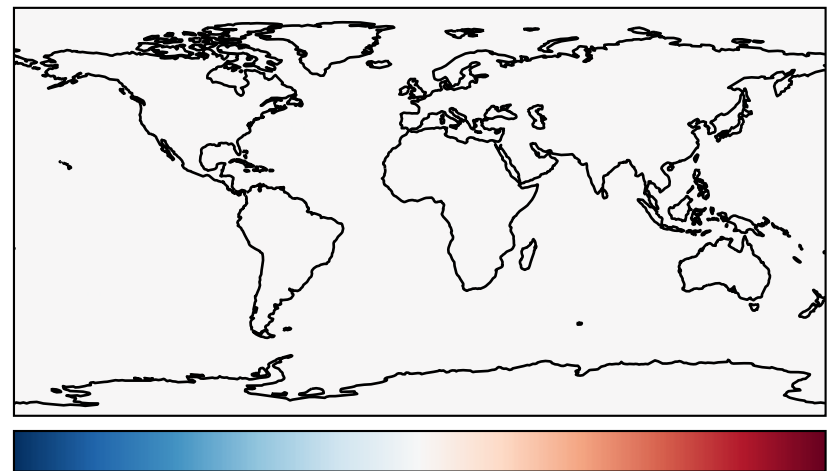
Zero throughout domain  
ppb

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



Undefined throughout domain  
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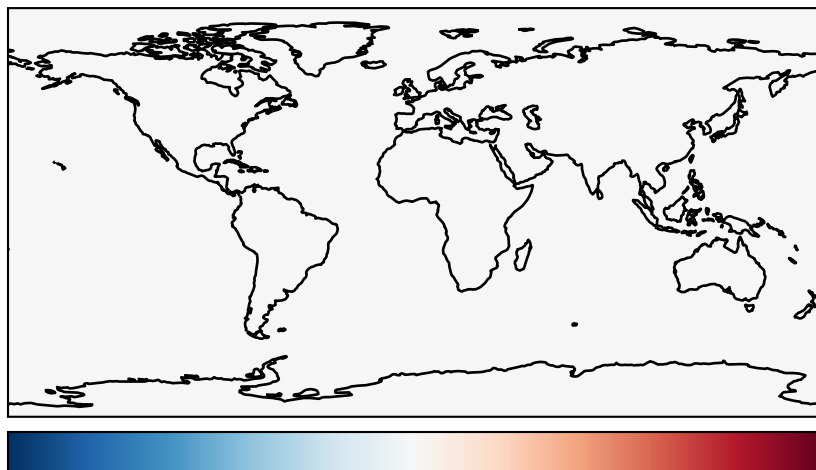
Difference (1x1.25), Restricted Range [5%,95%]  
 $\text{GCHP\_dev} / \text{GCHP\_ref} - \text{GCC\_dev} / \text{GCC\_ref}$



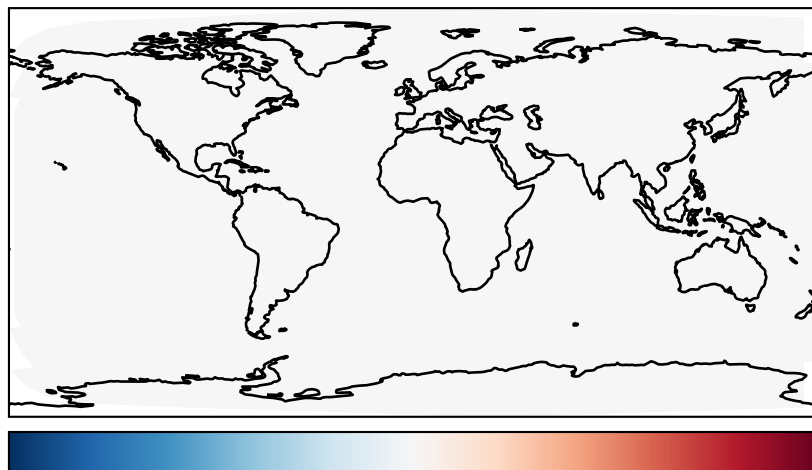
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# SpeciesConcVV\_NIT

gcc-4x5-1Mon-14.7.0-alpha.13\_-\_gcc-4x5-1Mon-14.7.0-alpha.12 (Ref) 4.0x5.0      gchp-c24-1Mon-14.7.0-alpha.13\_-\_gchp-c24-1Mon-14.7.0-alpha.12 (Dev) c24

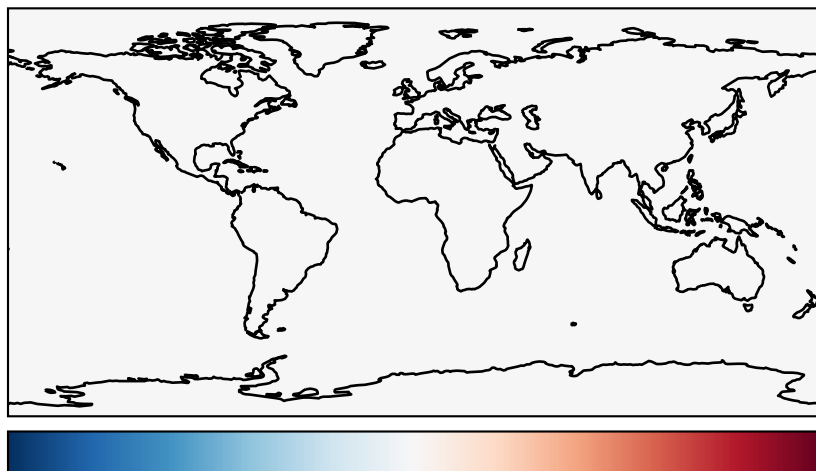


Zero throughout domain  
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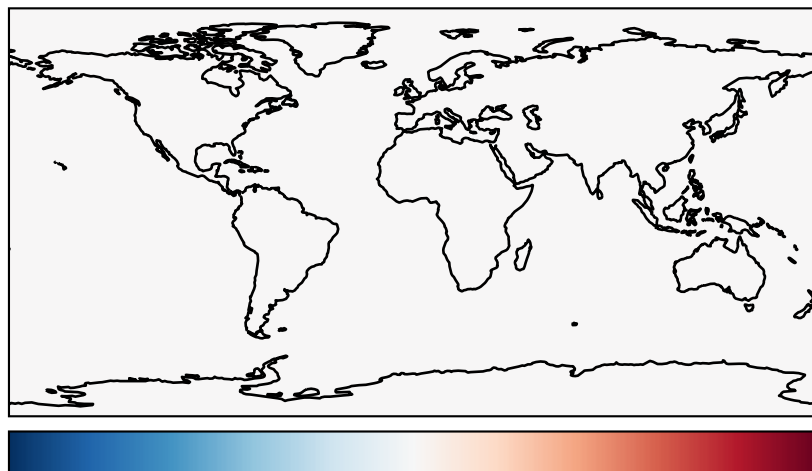
Zero throughout domain  
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Difference (1x1.25)  
Dev - Ref, Dynamic Range



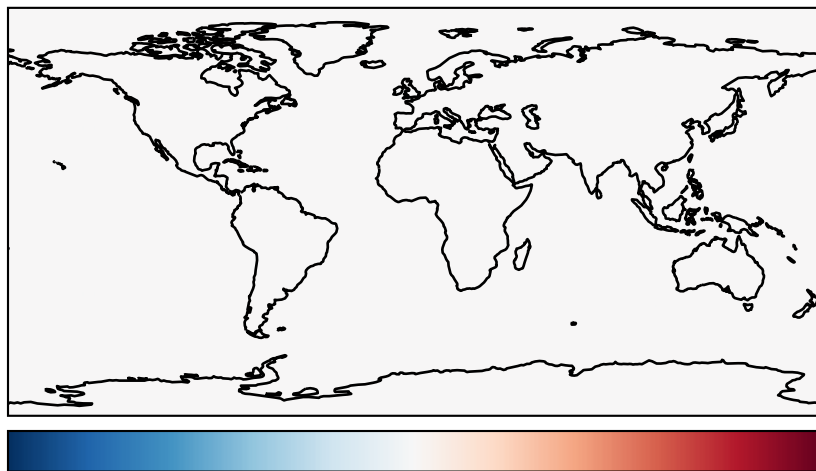
Zero throughout domain  
ppb

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



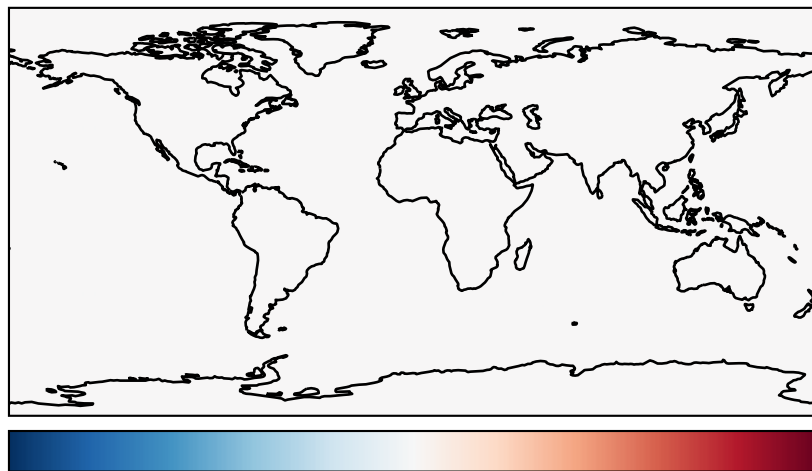
Zero throughout domain  
ppb

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



Undefined throughout domain  
unitless

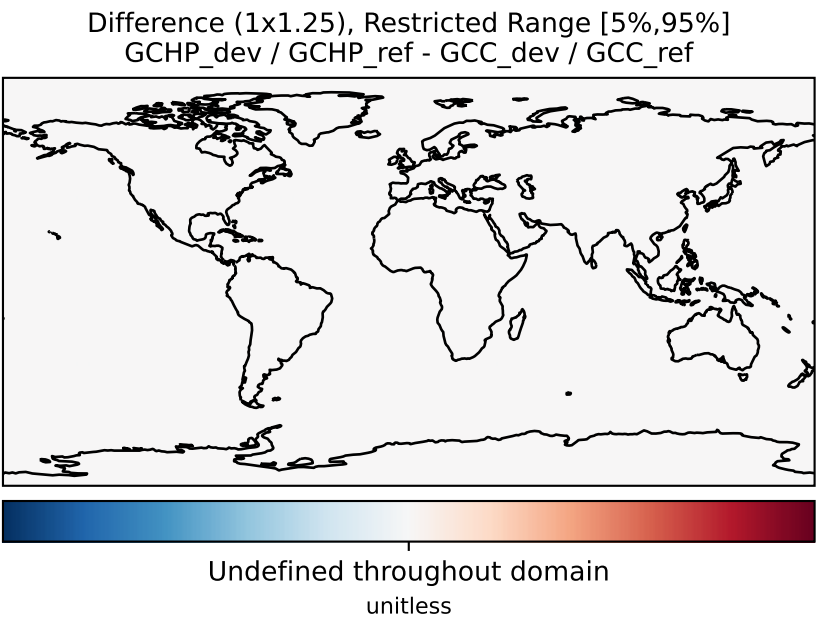
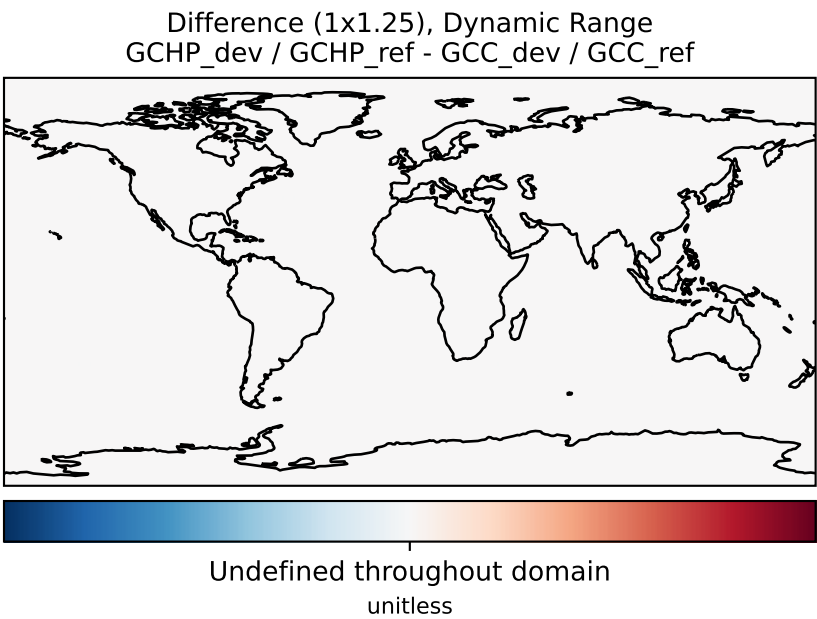
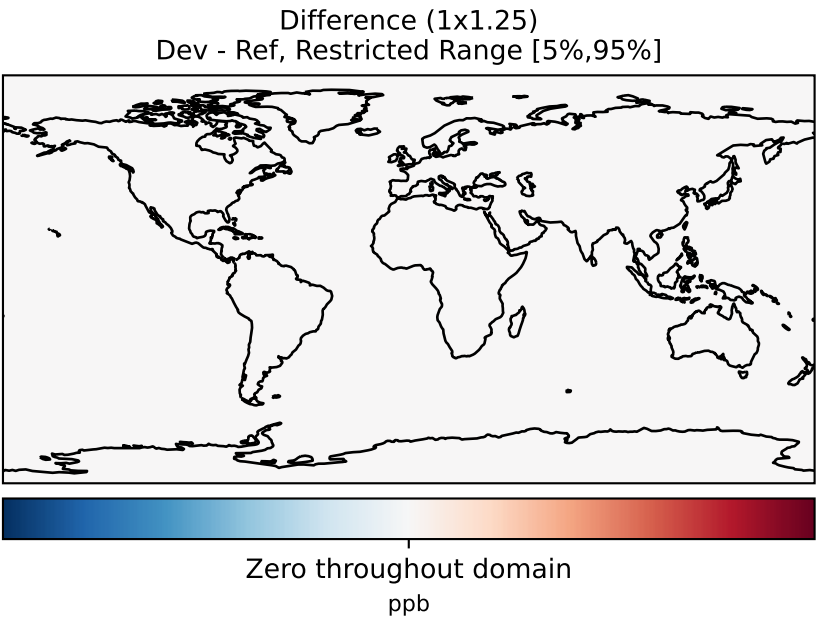
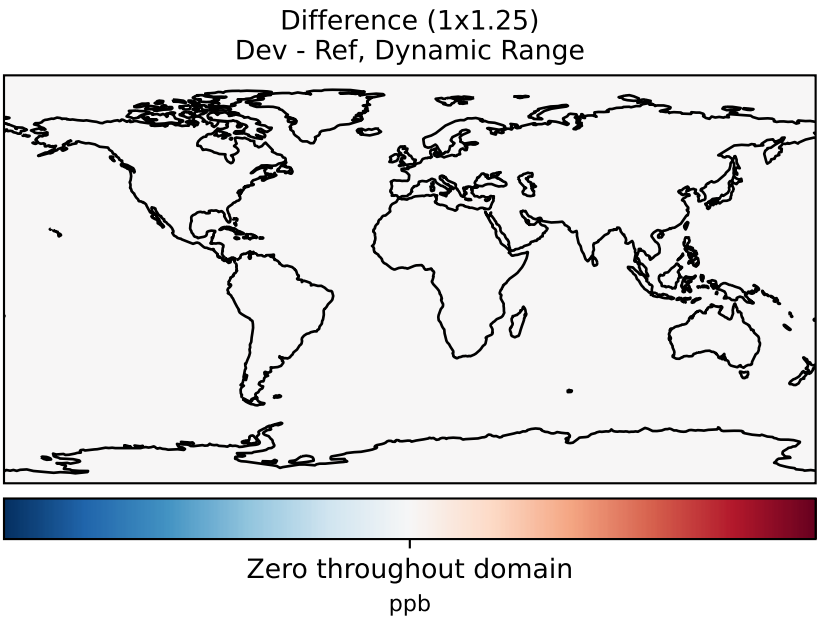
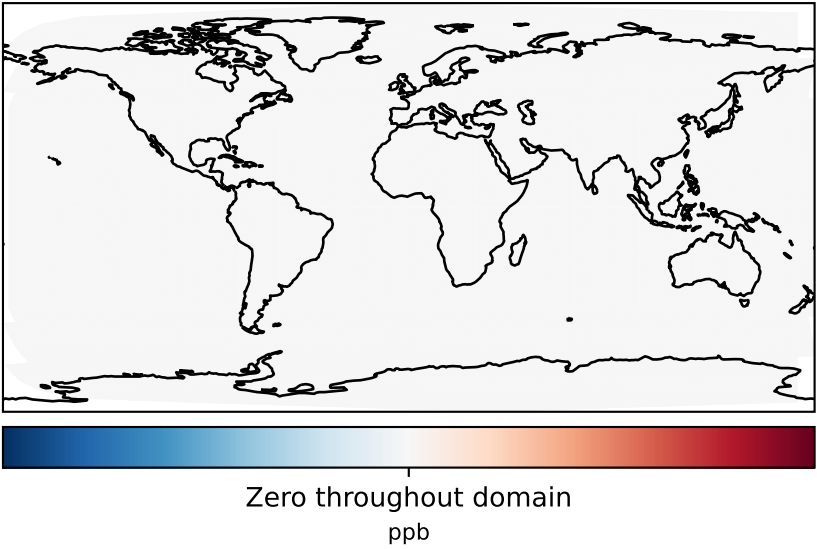
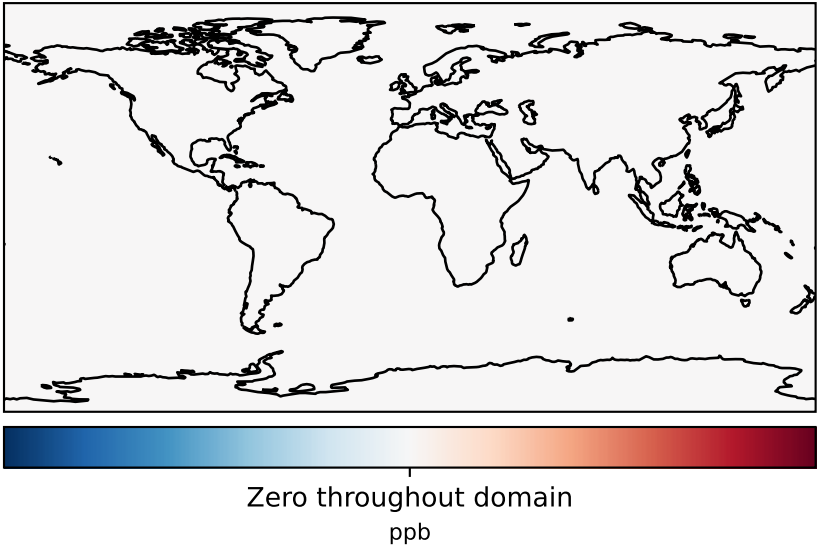
Difference (1x1.25), Restricted Range [5%,95%]  
 $\text{GCHP\_dev} / \text{GCHP\_ref} - \text{GCC\_dev} / \text{GCC\_ref}$



Undefined throughout domain  
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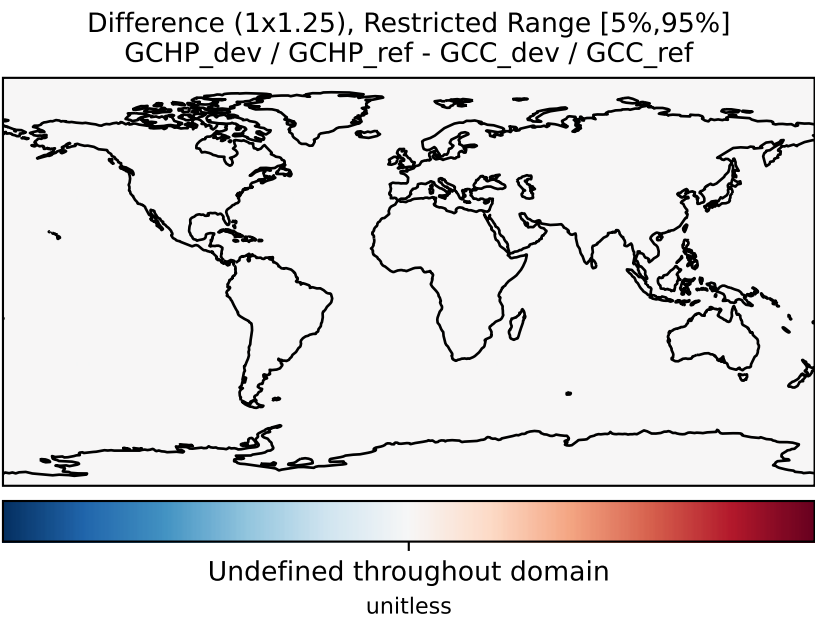
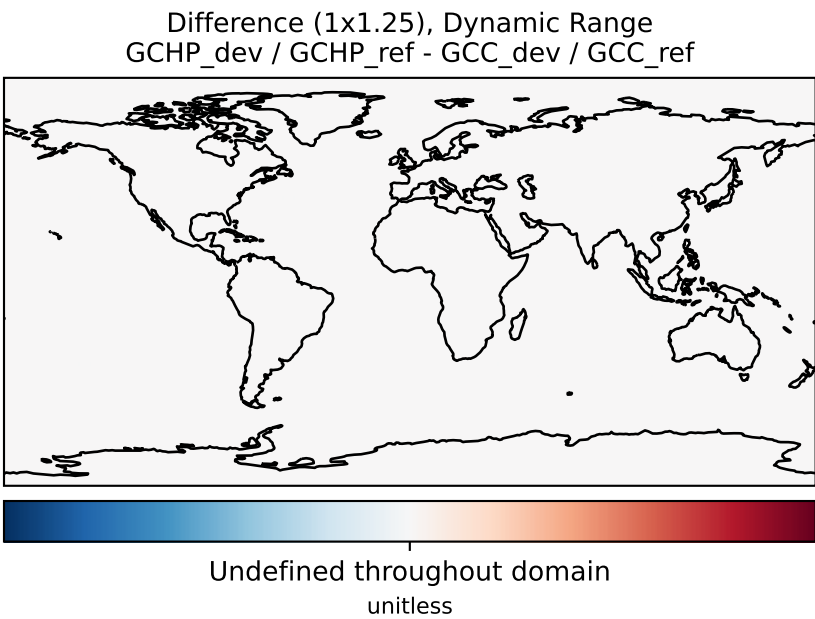
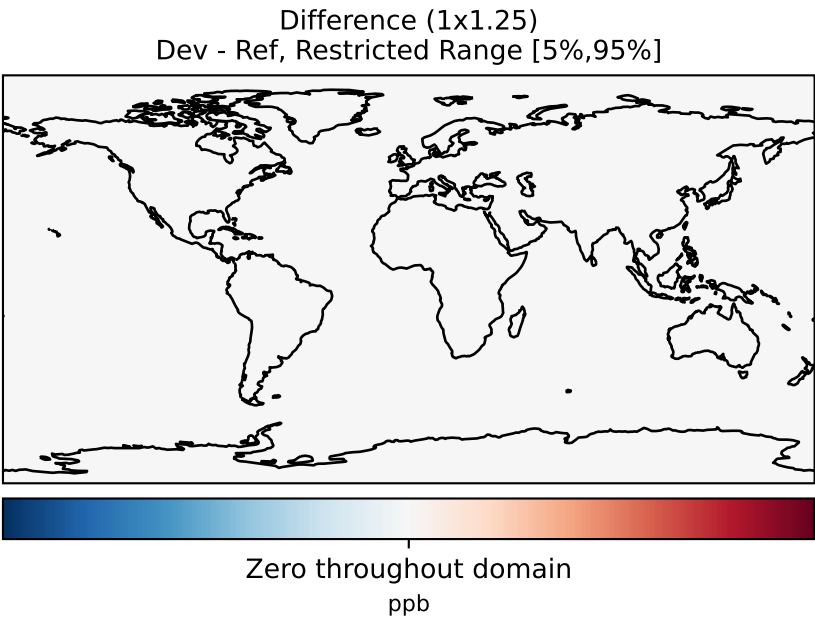
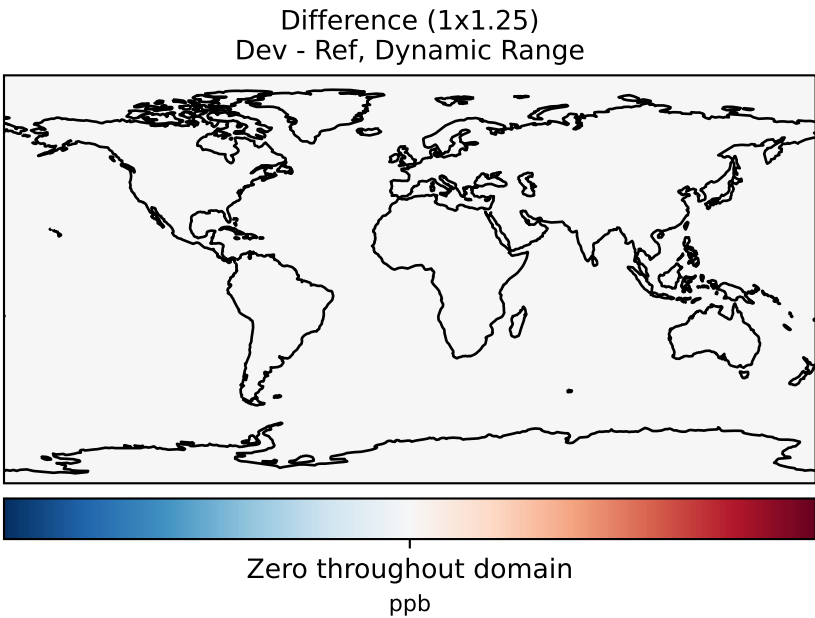
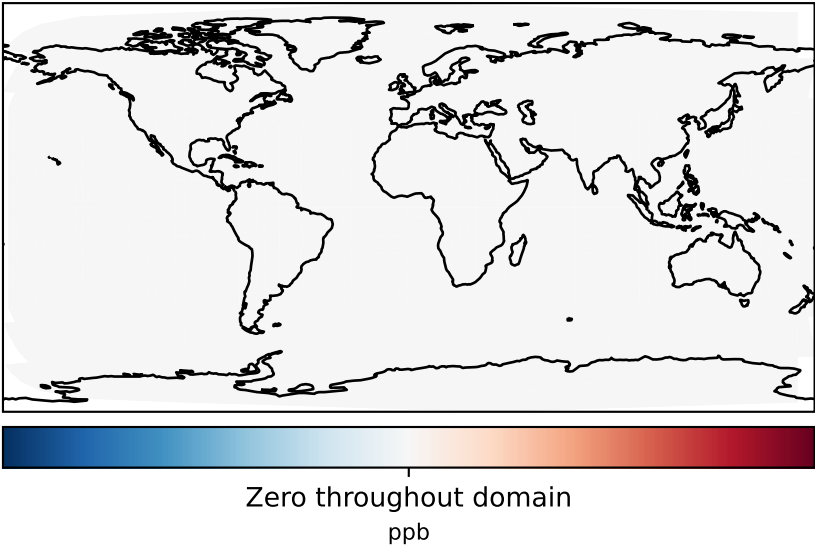
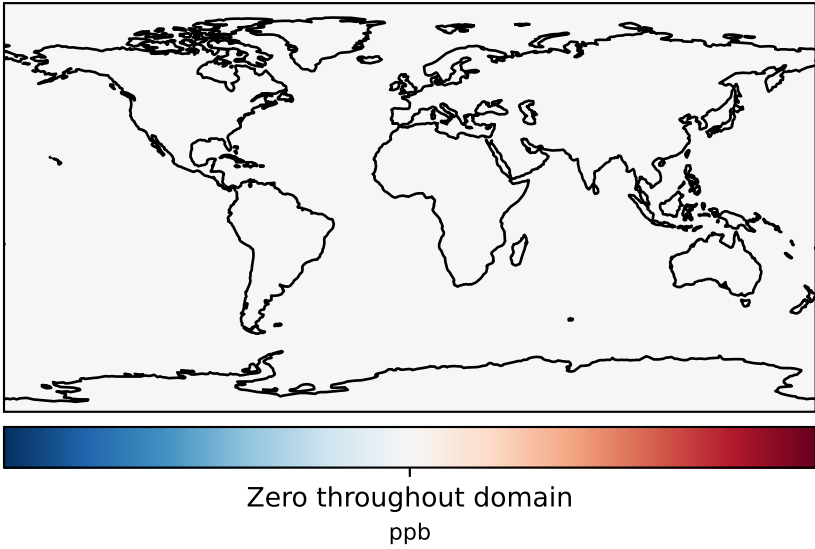
# SpeciesConcVV\_NO

gcc-4x5-1Mon-14.7.0-alpha.13\_-\_gcc-4x5-1Mon-14.7.0-alpha.12 (Ref) 4.0x5.0      gchp-c24-1Mon-14.7.0-alpha.13\_-\_gchp-c24-1Mon-14.7.0-alpha.12 (Dev) c24



# SpeciesConcVV\_NO2

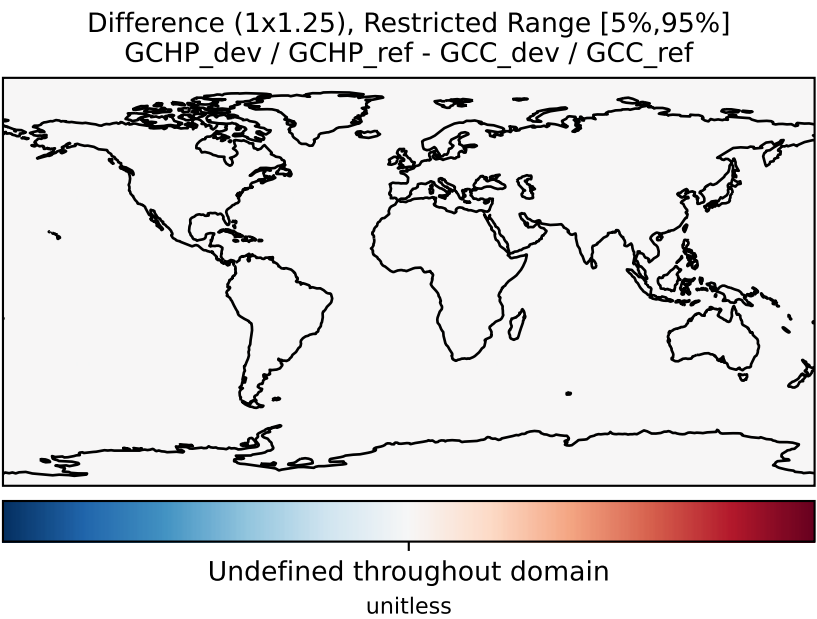
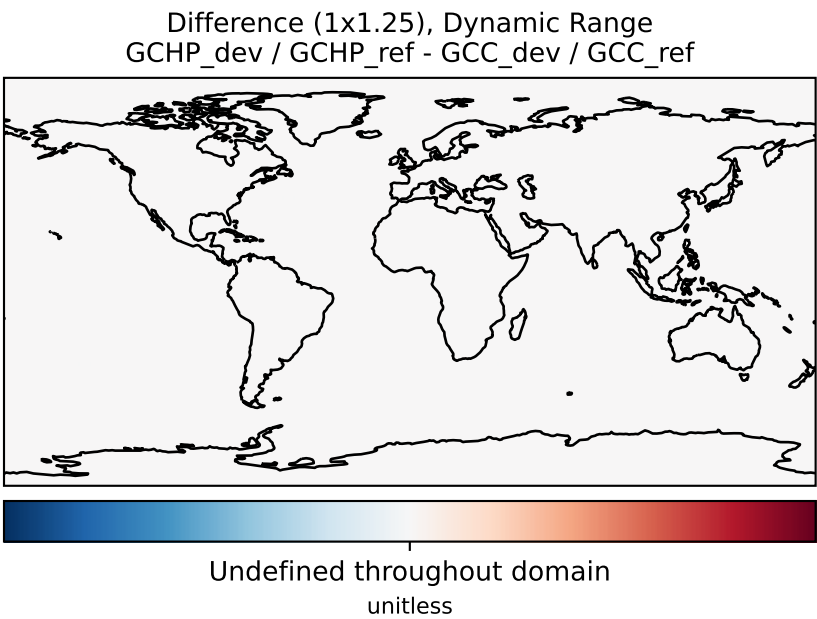
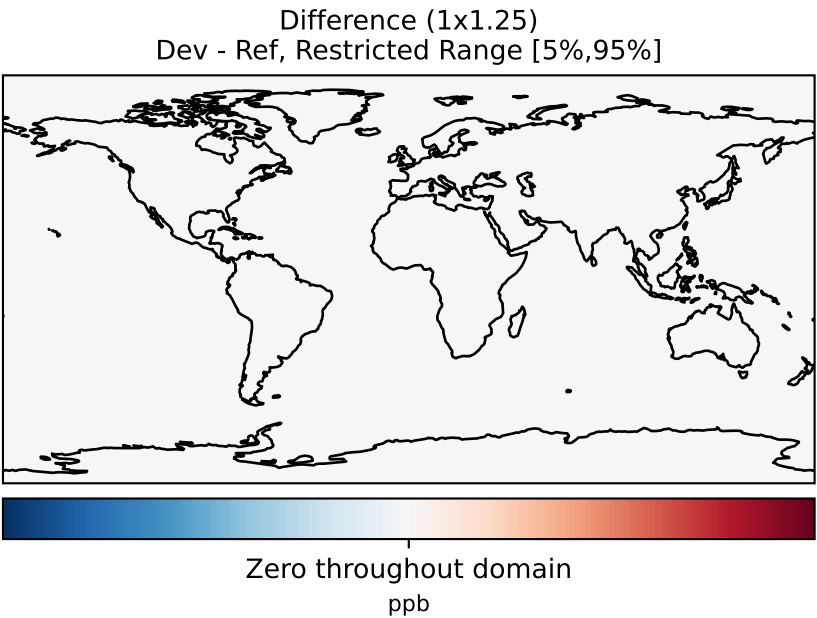
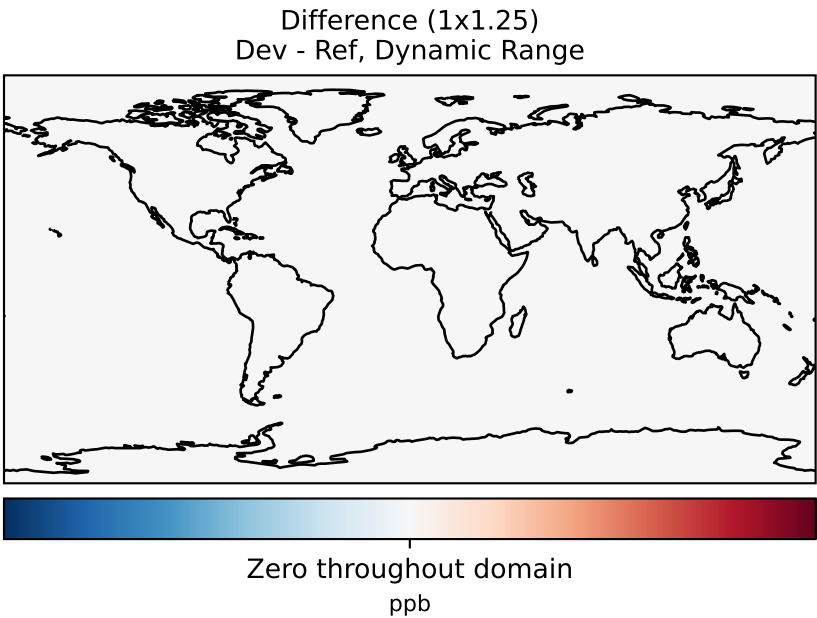
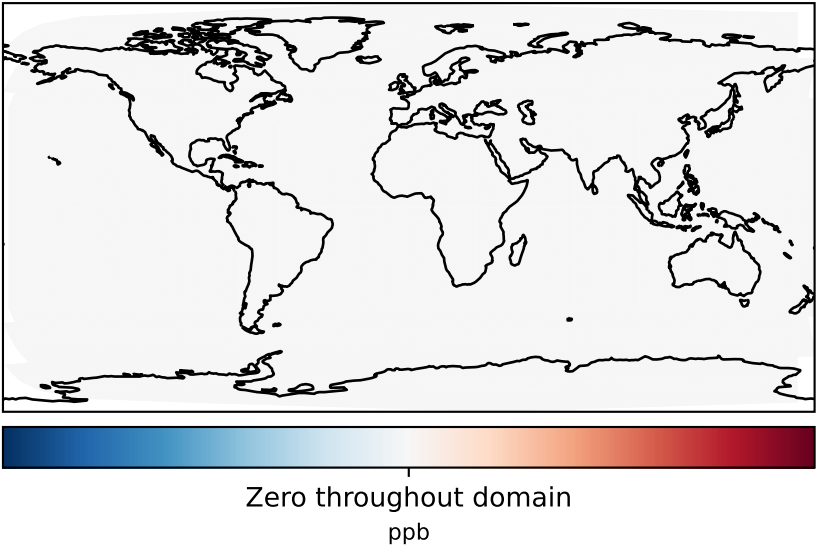
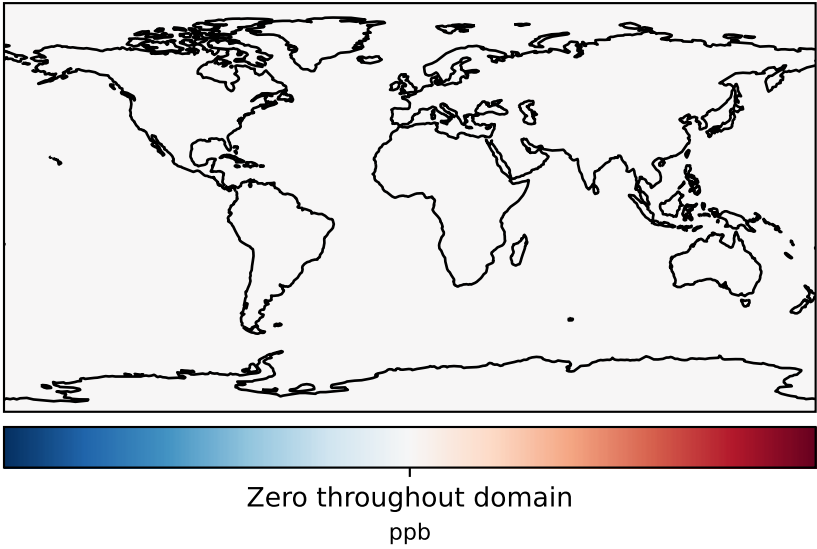
gcc-4x5-1Mon-14.7.0-alpha.13\_-\_gcc-4x5-1Mon-14.7.0-alpha.12 (Ref) 4.0x5.0      gchp-c24-1Mon-14.7.0-alpha.13\_-\_gchp-c24-1Mon-14.7.0-alpha.12 (Dev) c24





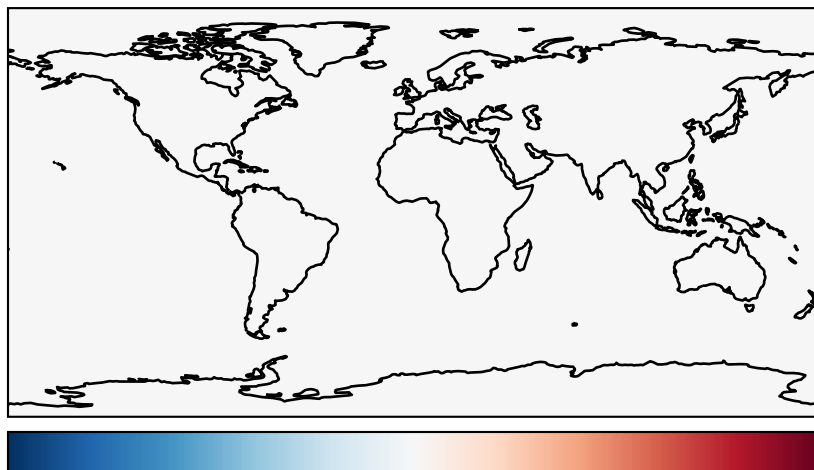
# SpeciesConcVV\_NO3

gcc-4x5-1Mon-14.7.0-alpha.13\_-\_gcc-4x5-1Mon-14.7.0-alpha.12 (Ref) 4.0x5.0      gchp-c24-1Mon-14.7.0-alpha.13\_-\_gchp-c24-1Mon-14.7.0-alpha.12 (Dev) c24

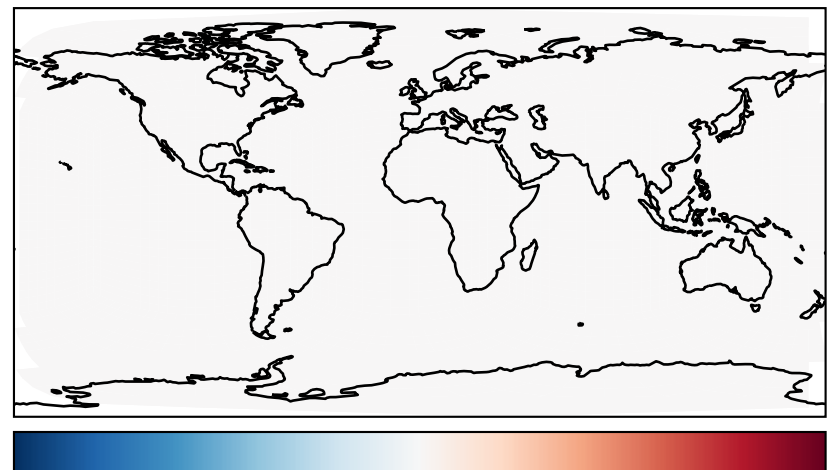


# SpeciesConcVV\_N2O5

gcc-4x5-1Mon-14.7.0-alpha.13\_-\_gcc-4x5-1Mon-14.7.0-alpha.12 (Ref) 4.0x5.0      gchp-c24-1Mon-14.7.0-alpha.13\_-\_gchp-c24-1Mon-14.7.0-alpha.12 (Dev) c24

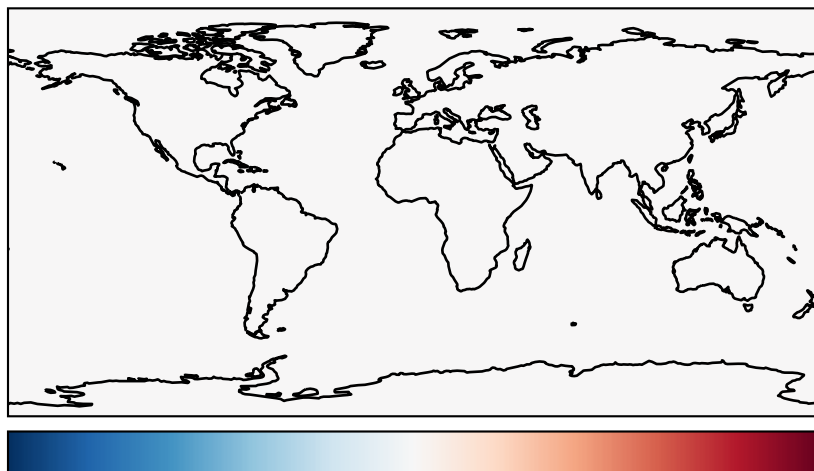


Zero throughout domain  
ppb



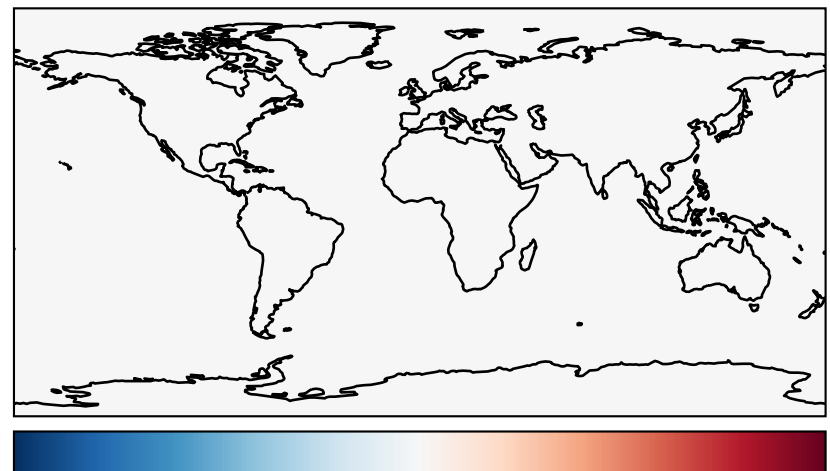
Zero throughout domain  
ppb

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



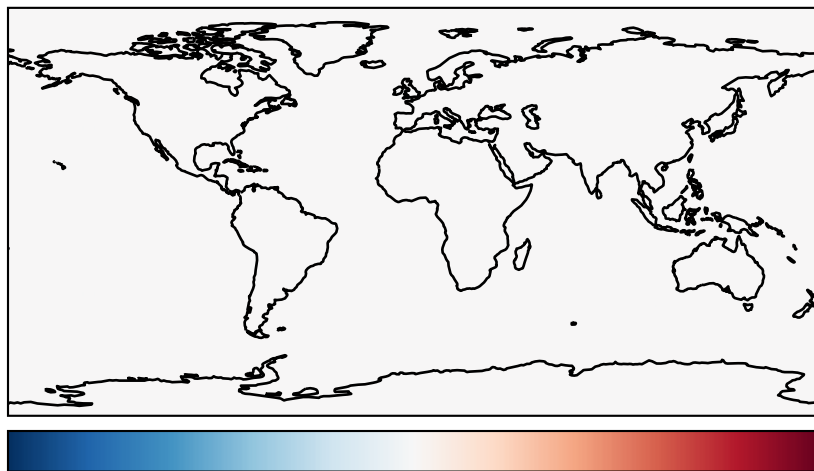
Zero throughout domain  
ppb

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



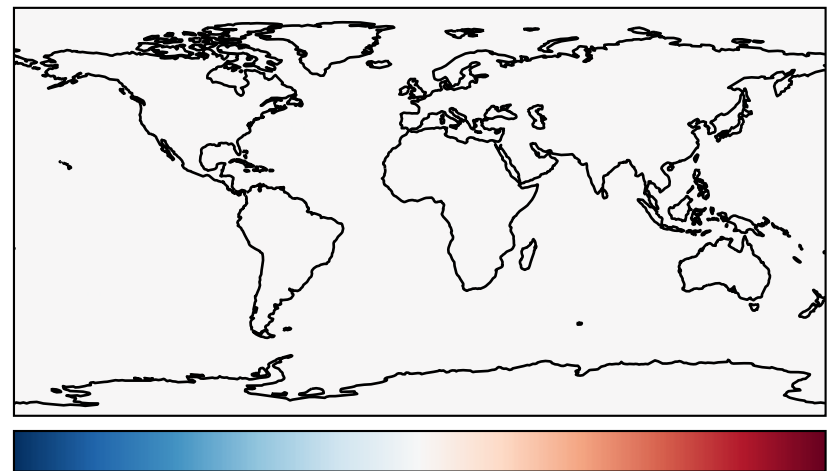
Zero throughout domain  
ppb

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



Undefined throughout domain  
unitless

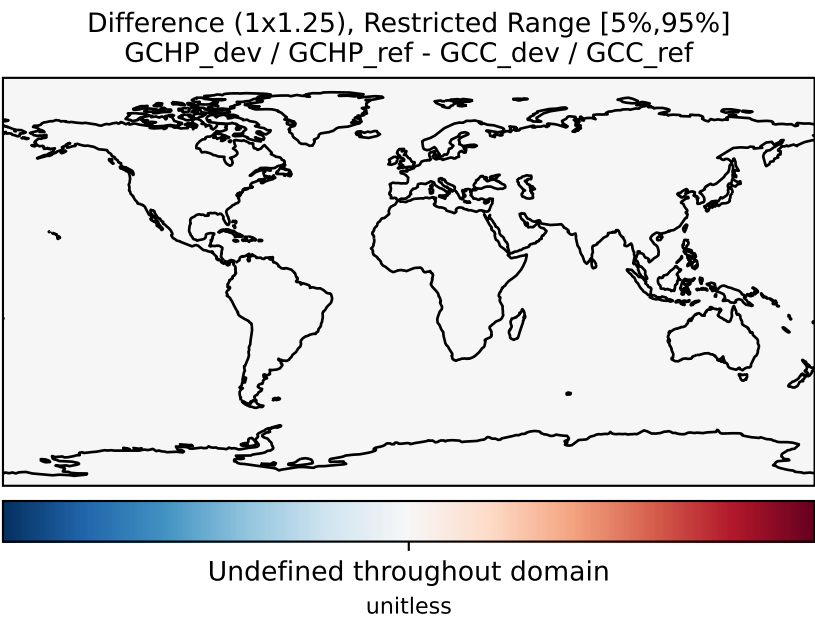
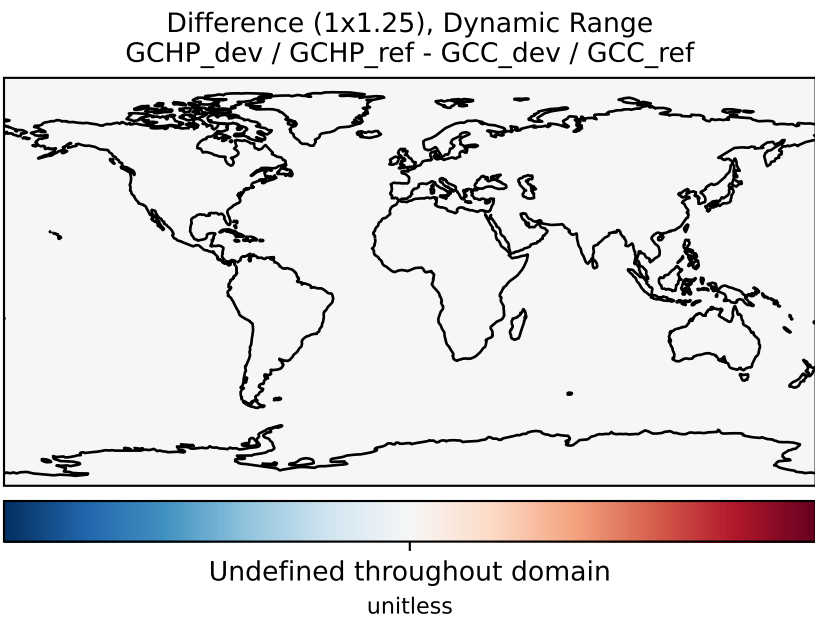
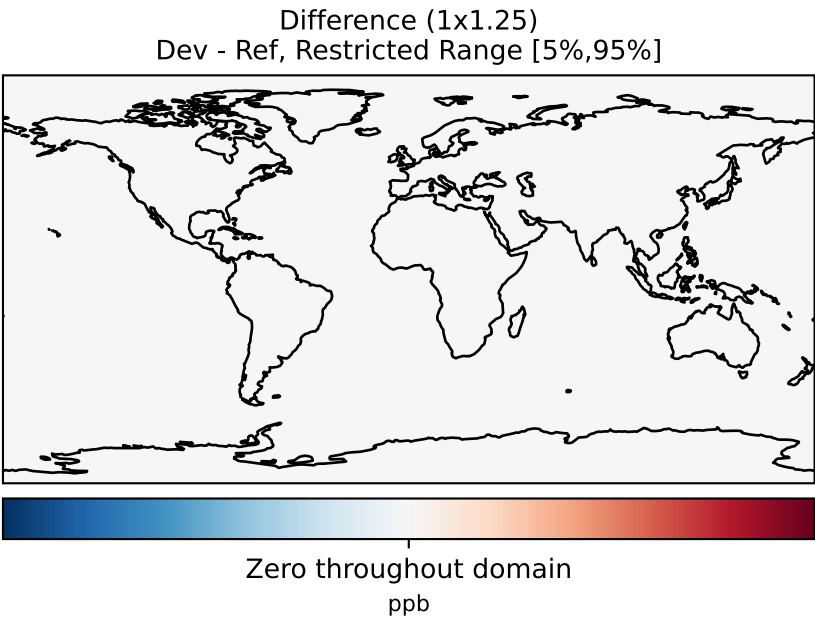
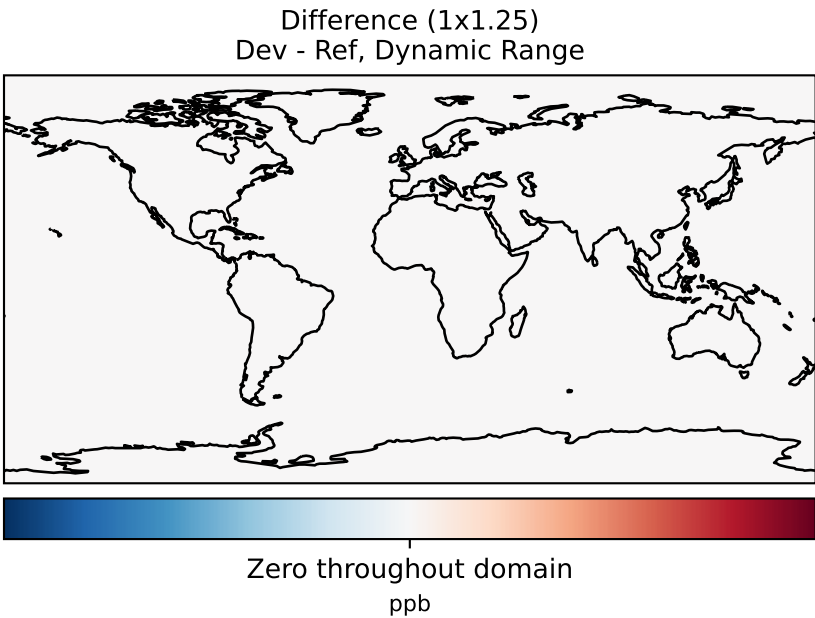
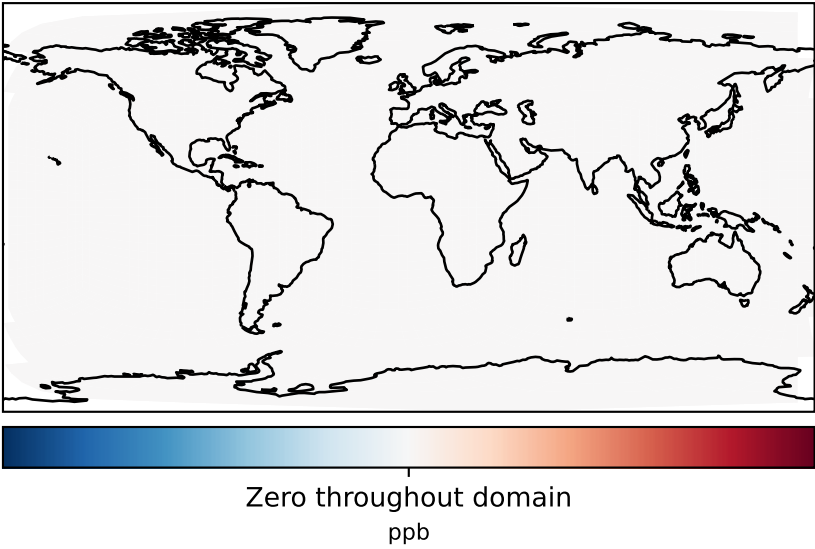
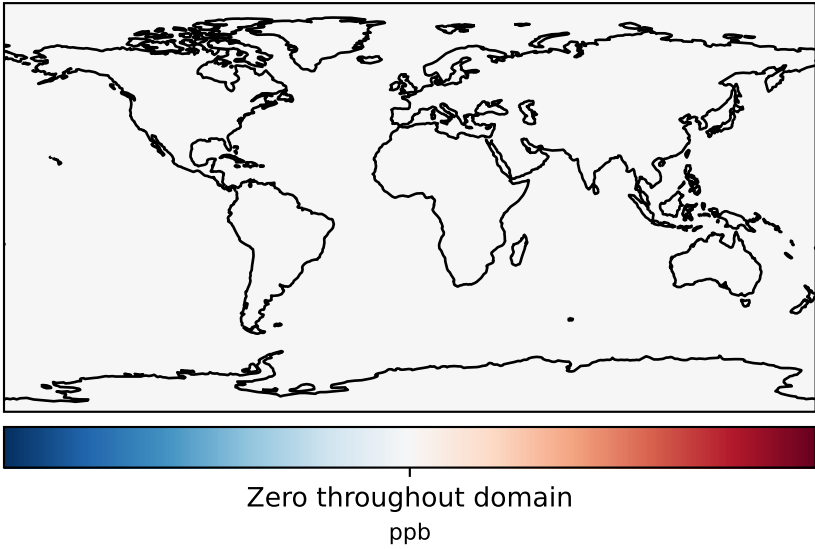
Difference (1x1.25), Restricted Range [5%,95%]  
 $\text{GCHP\_dev} / \text{GCHP\_ref} - \text{GCC\_dev} / \text{GCC\_ref}$



Undefined throughout domain  
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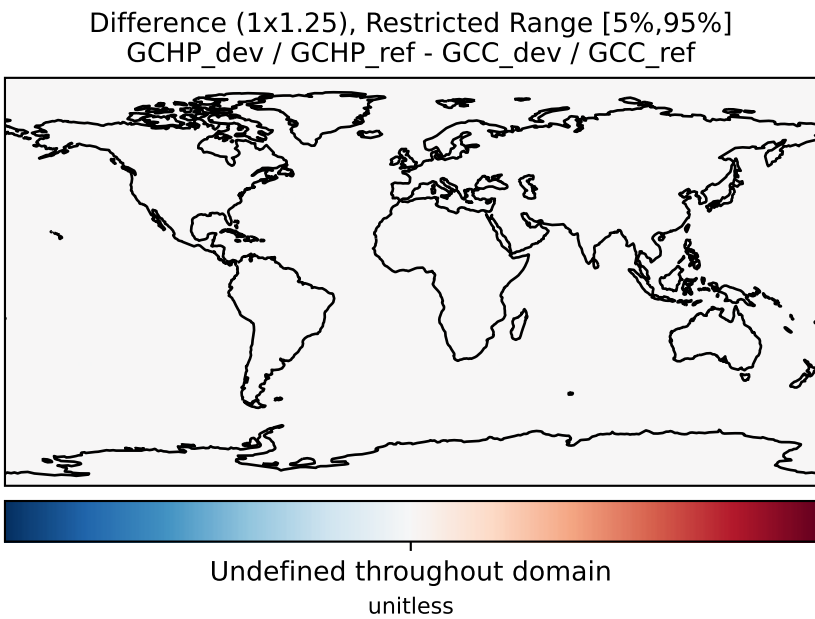
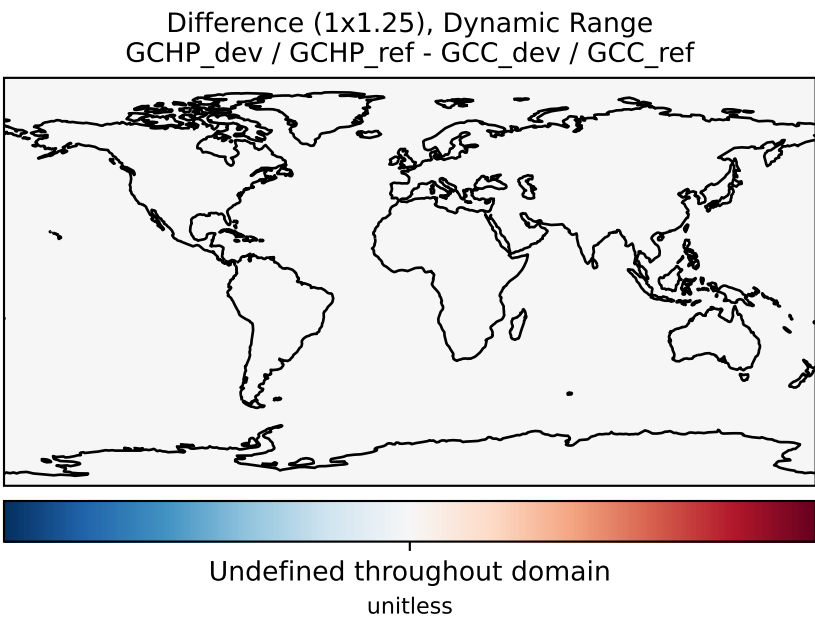
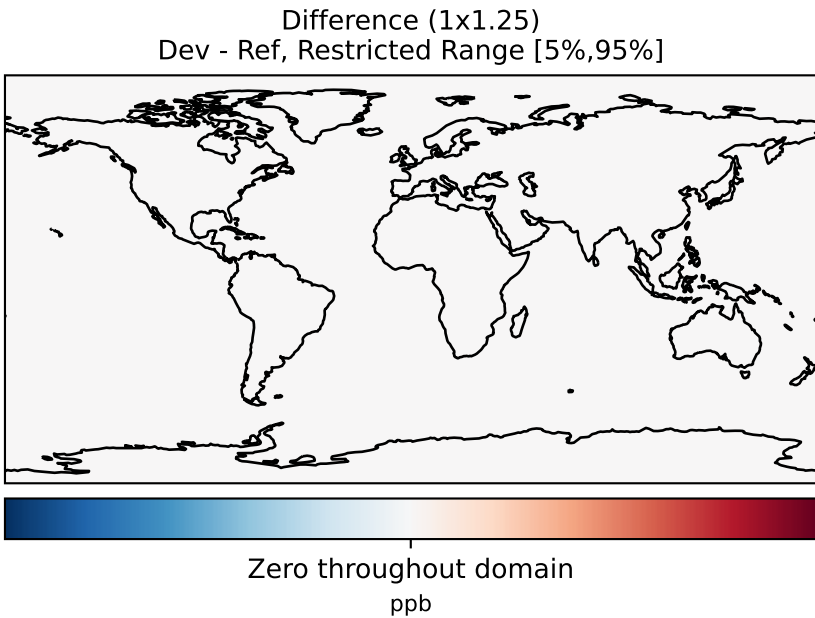
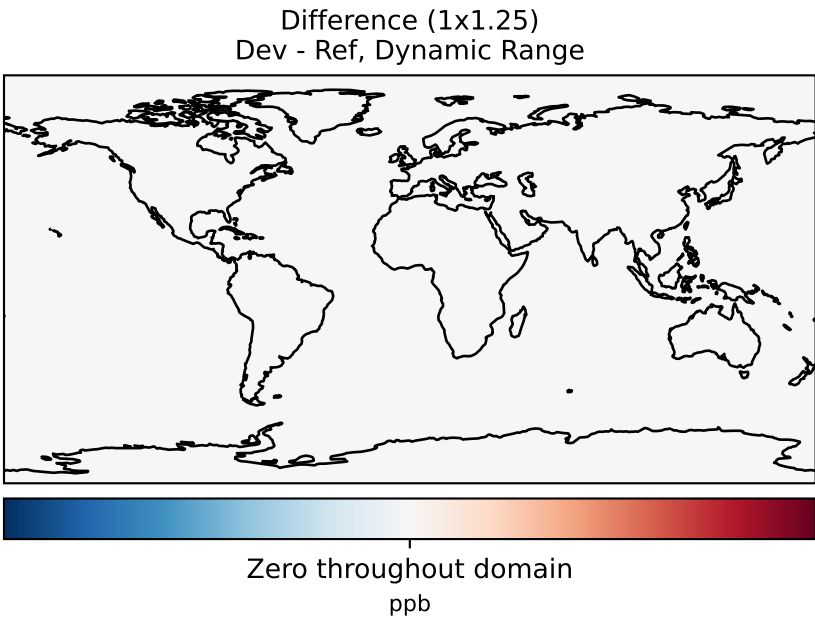
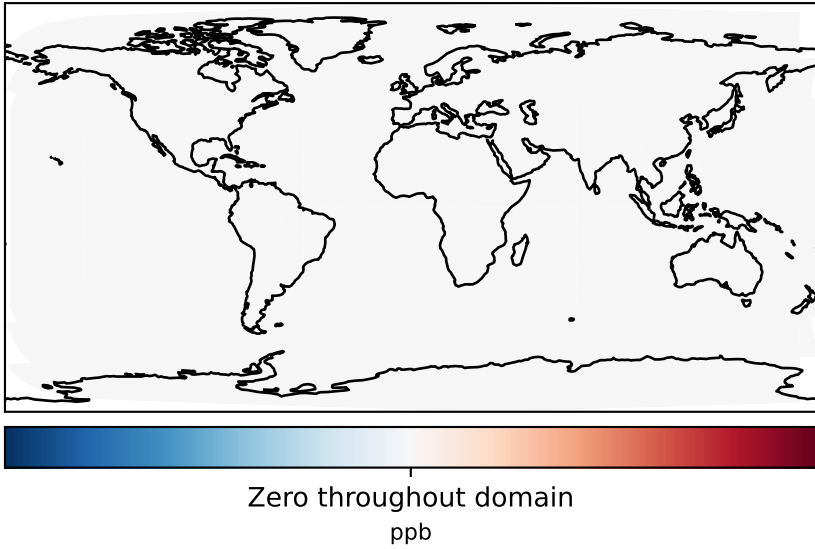
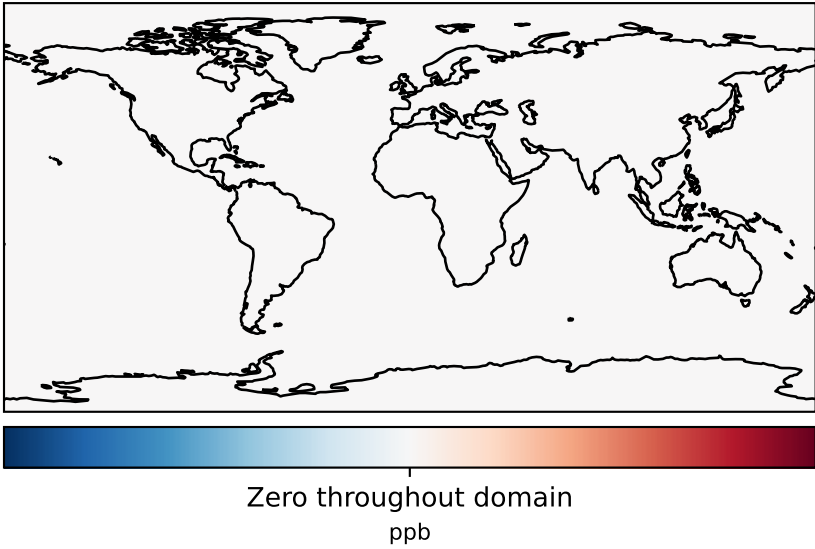
# SpeciesConcVV\_MPN

gcc-4x5-1Mon-14.7.0-alpha.13\_-\_gcc-4x5-1Mon-14.7.0-alpha.12 (Ref) 4.0x5.0      gchp-c24-1Mon-14.7.0-alpha.13\_-\_gchp-c24-1Mon-14.7.0-alpha.12 (Dev) c24



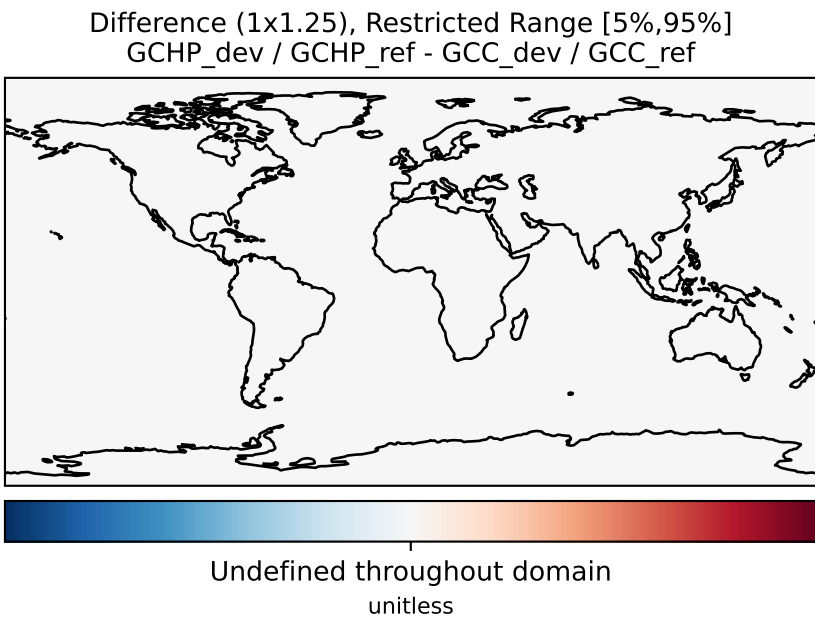
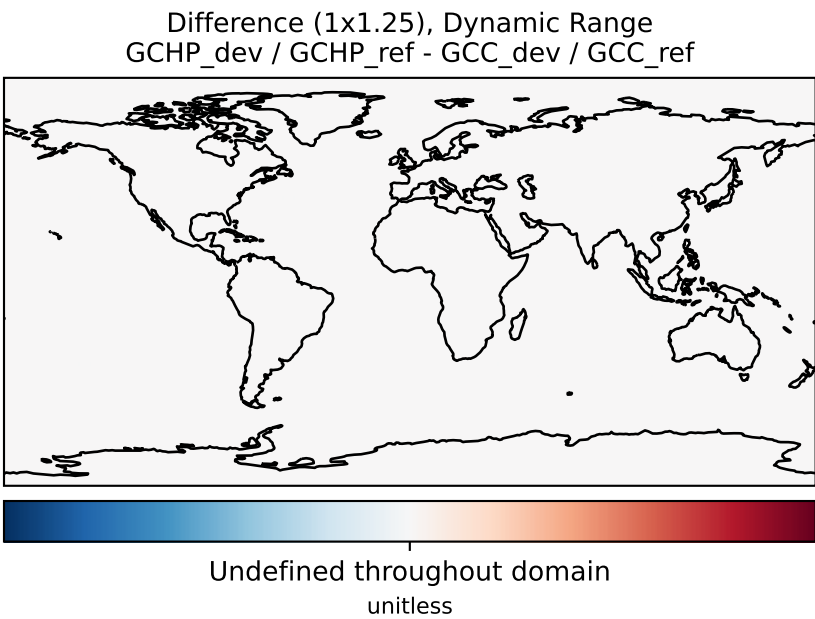
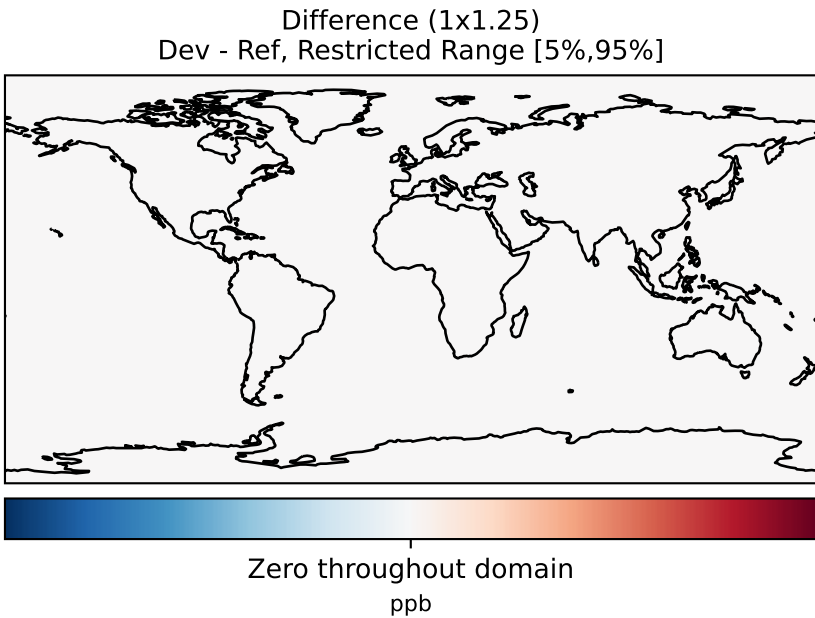
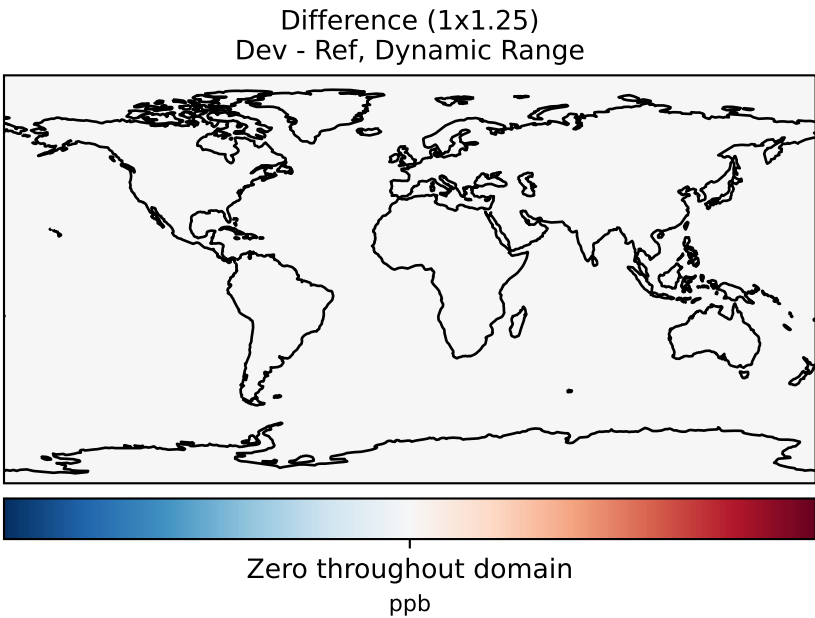
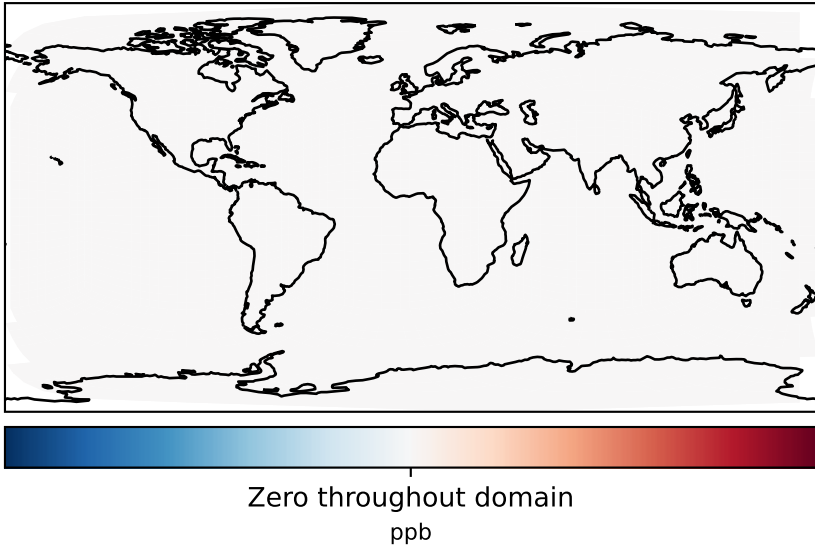
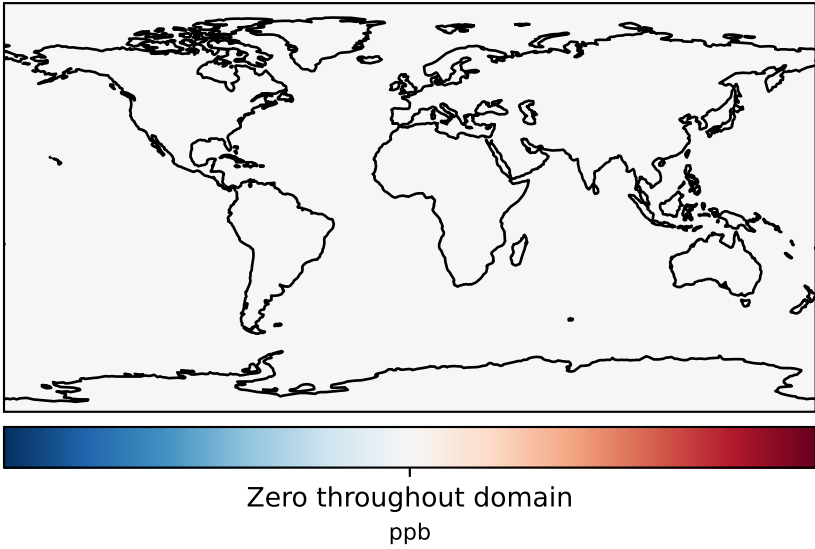
# SpeciesConcVV\_PAN

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# SpeciesConcVV\_PPN

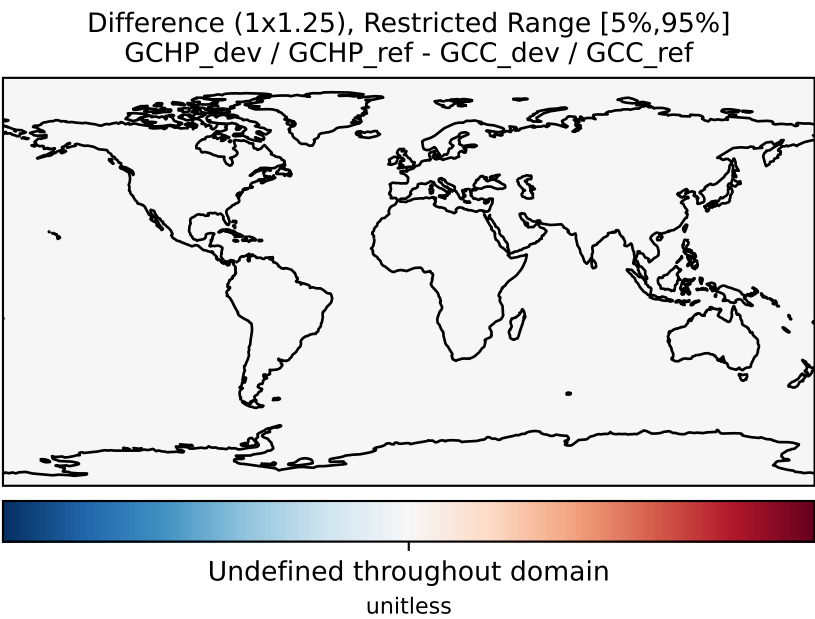
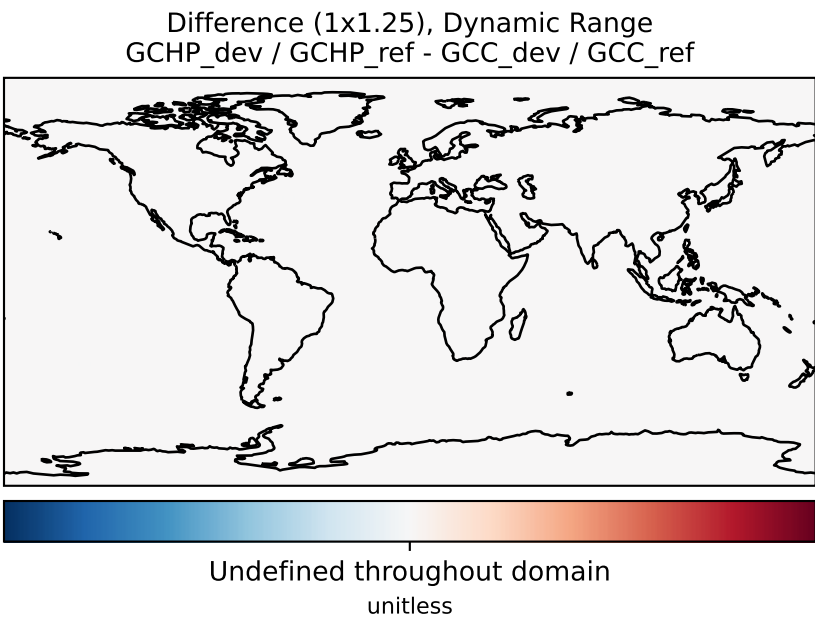
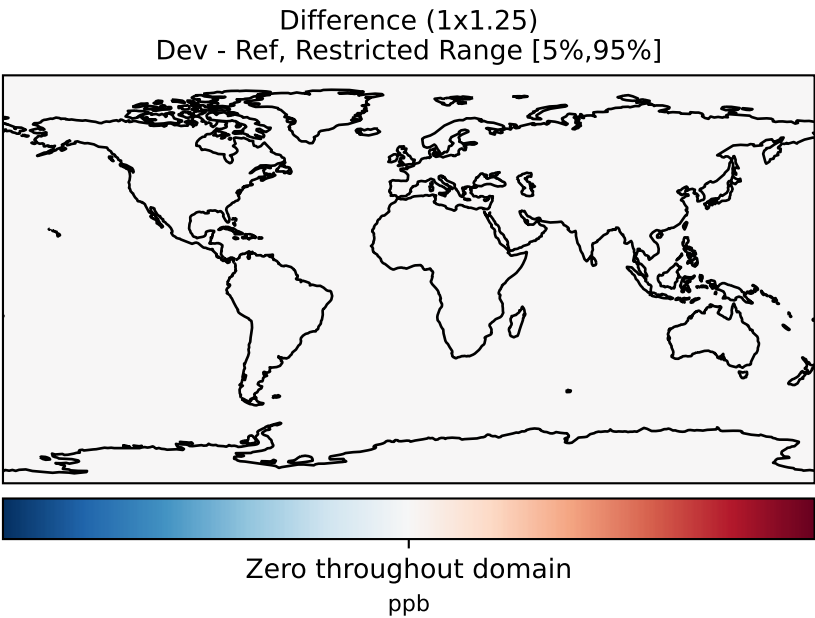
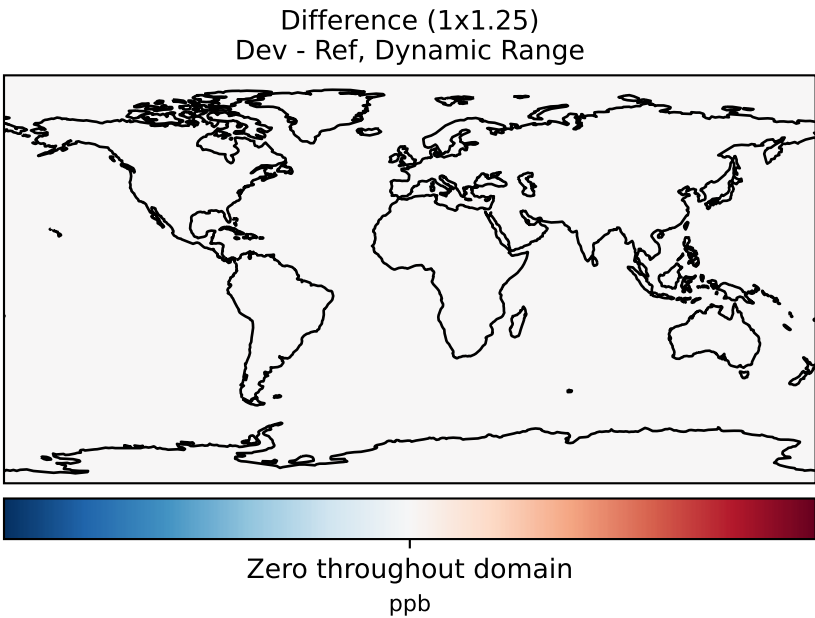
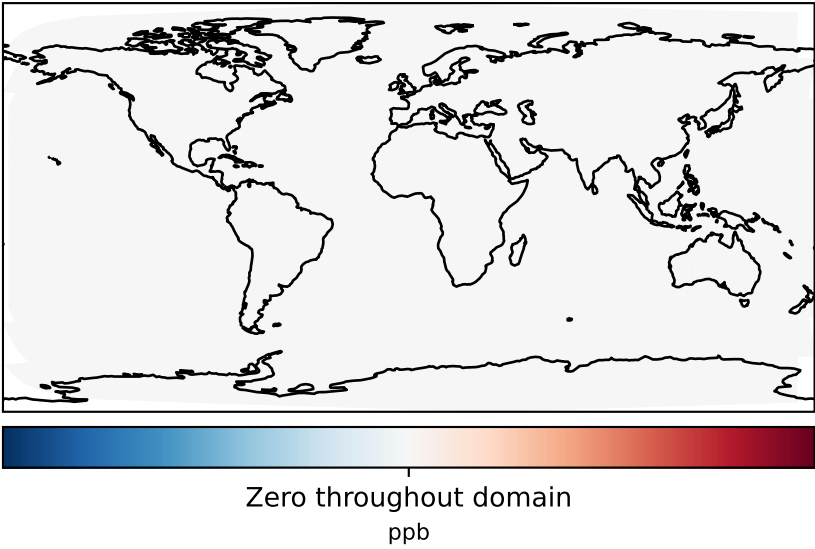
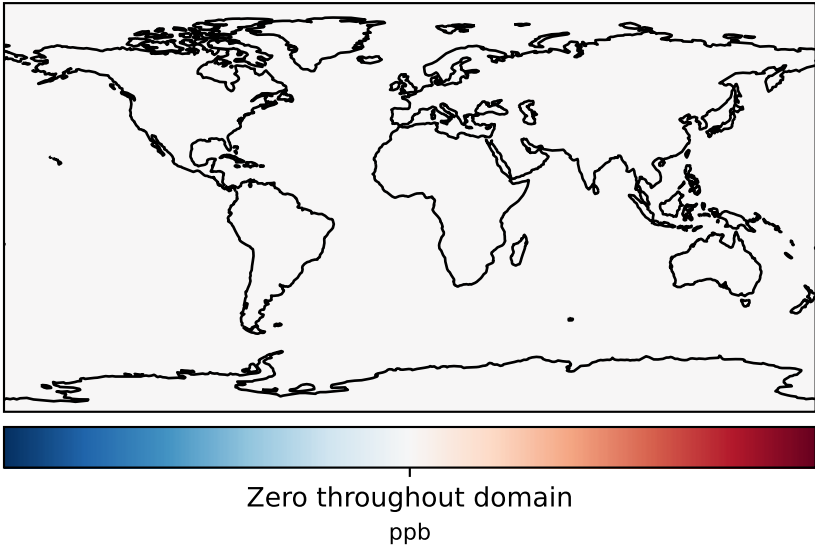
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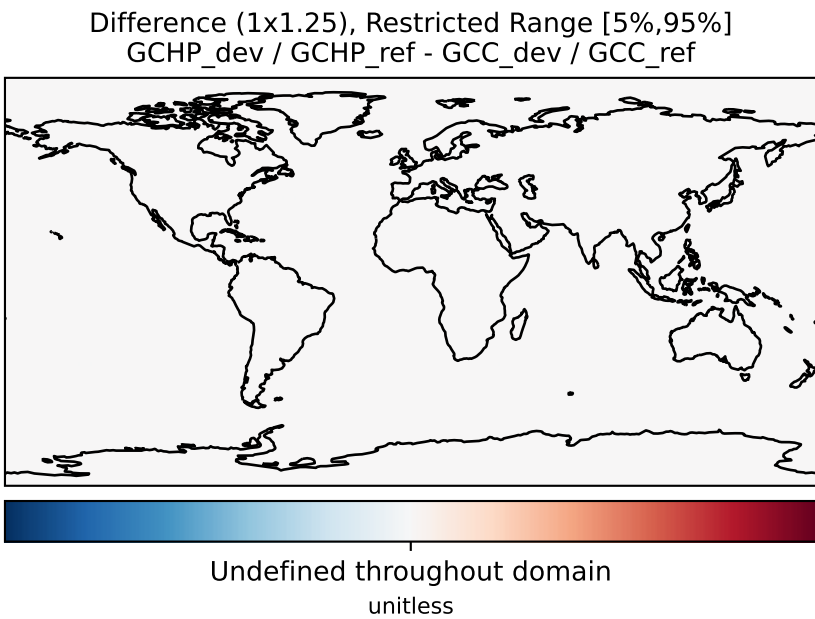
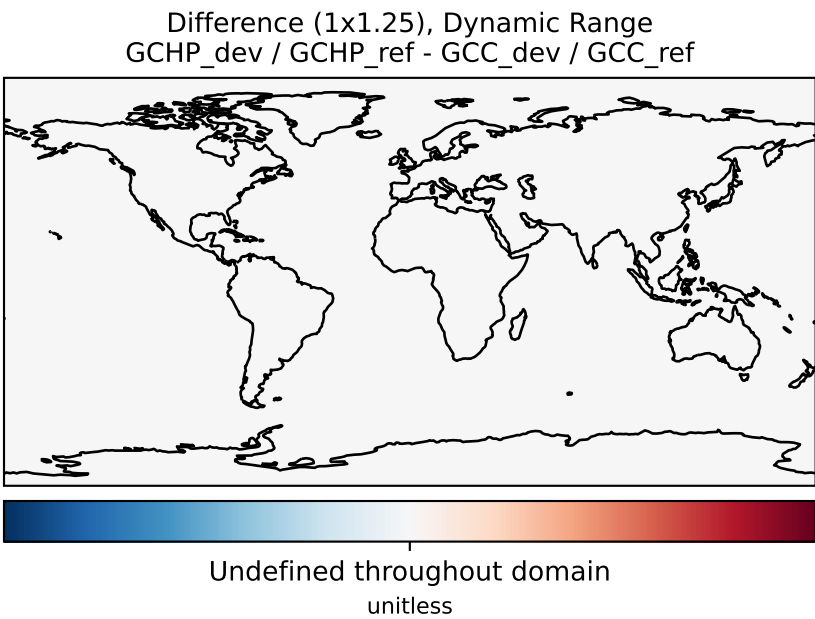
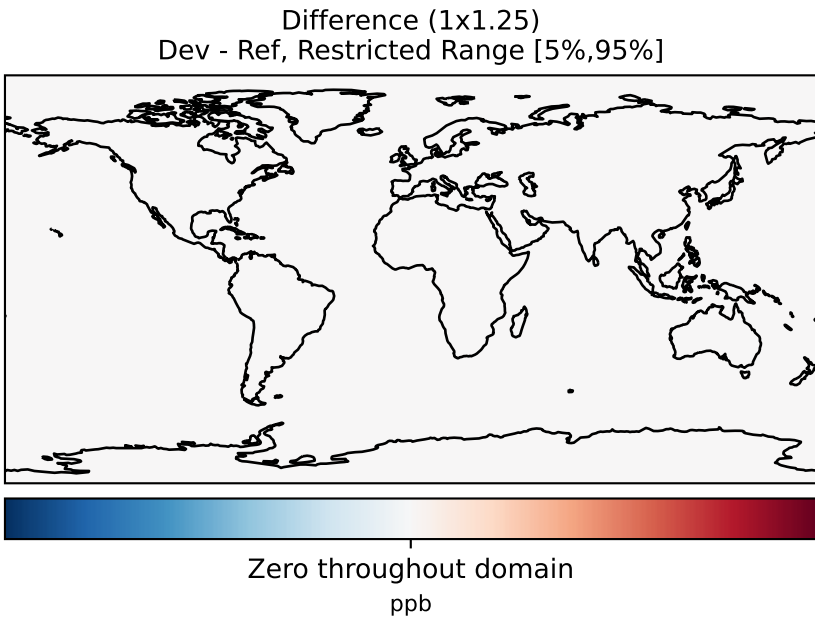
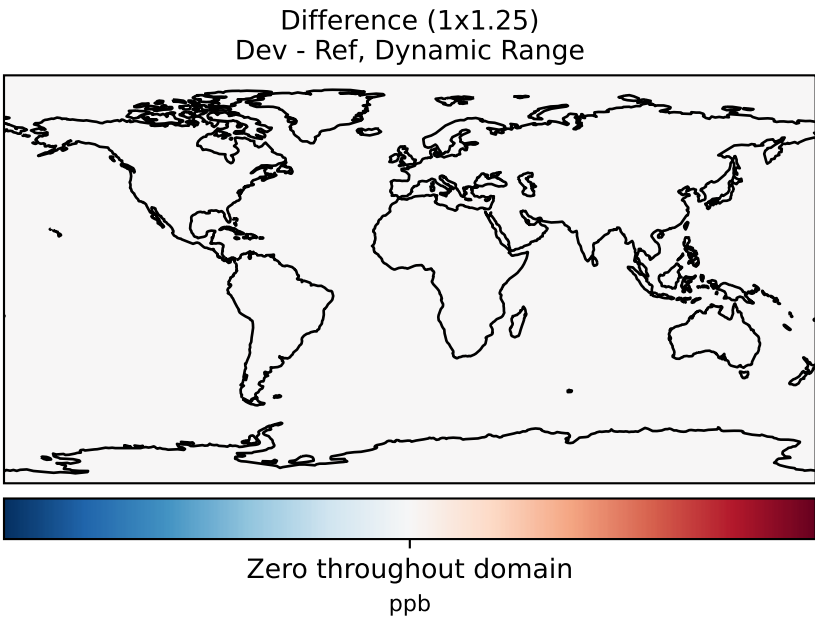
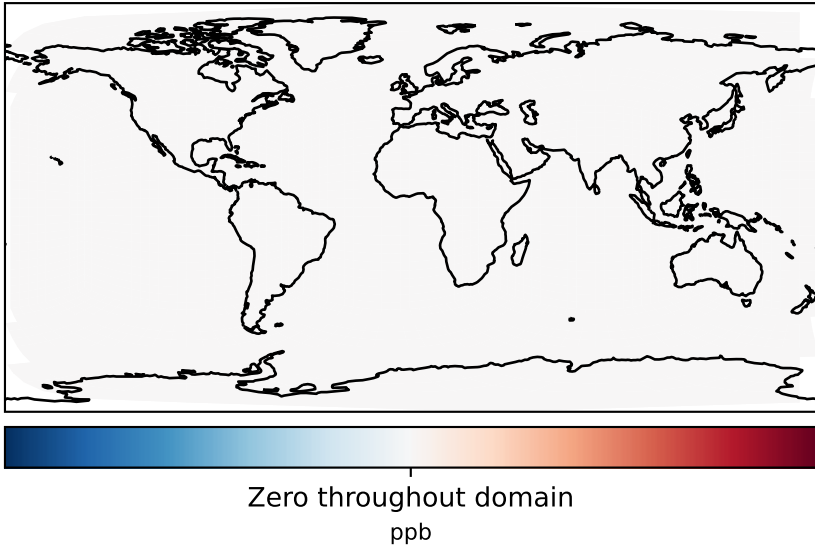
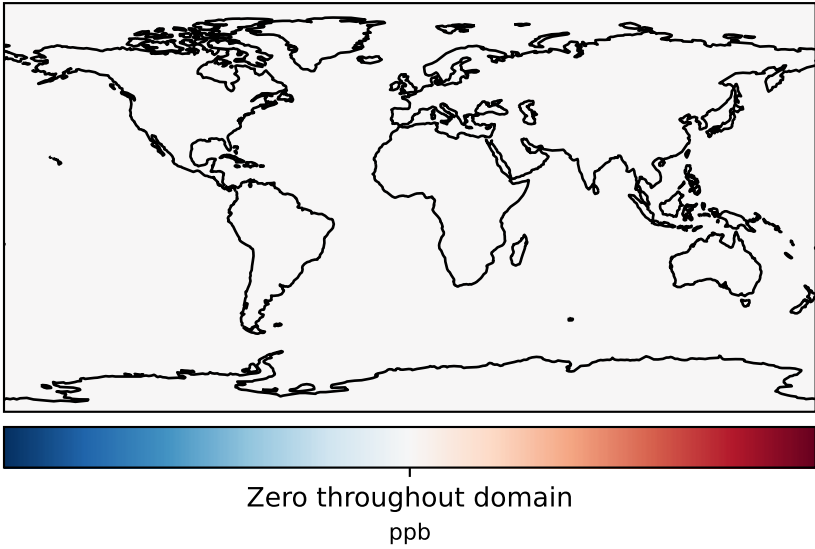
# SpeciesConcVV\_N2O

gcc-4x5-1Mon-14.7.0-alpha.13\_-\_gcc-4x5-1Mon-14.7.0-alpha.12 (Ref) 4.0x5.0      gchp-c24-1Mon-14.7.0-alpha.13\_-\_gchp-c24-1Mon-14.7.0-alpha.12 (Dev) c24



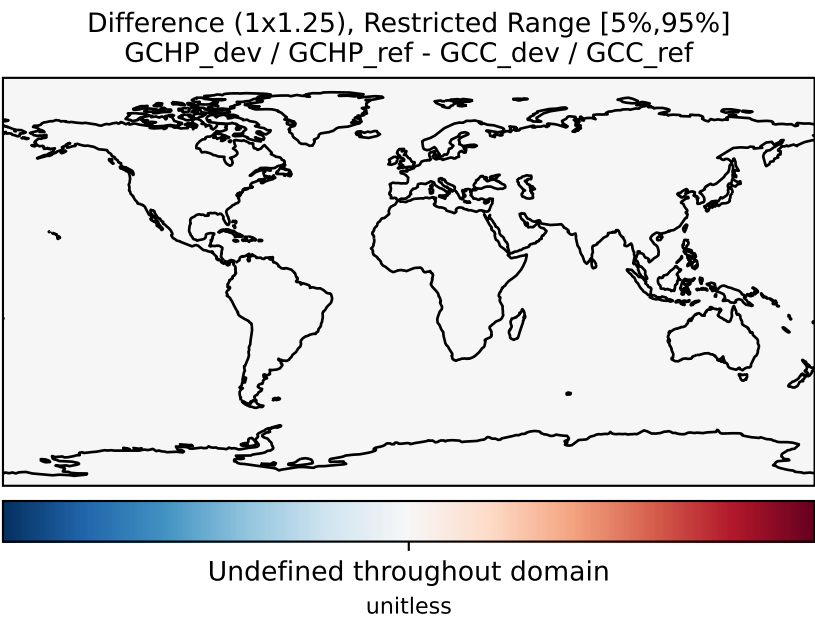
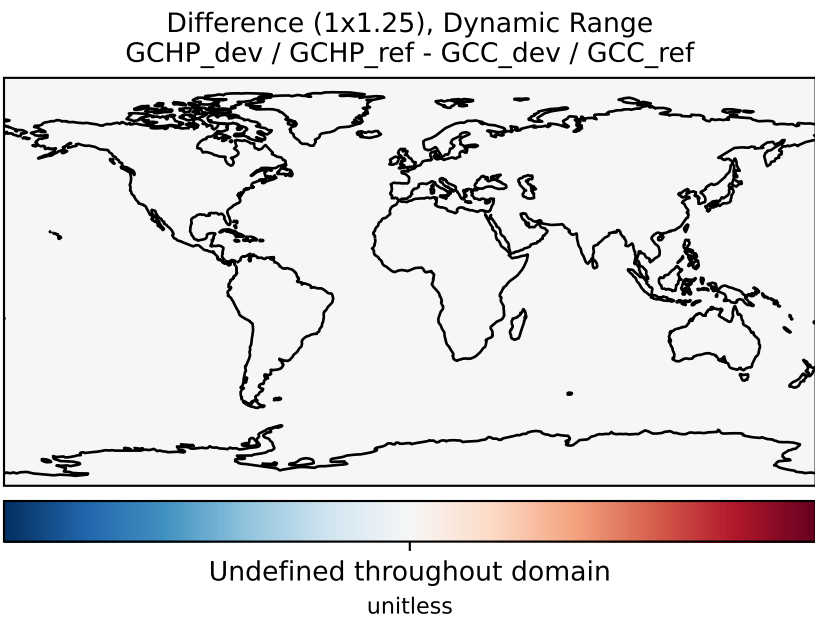
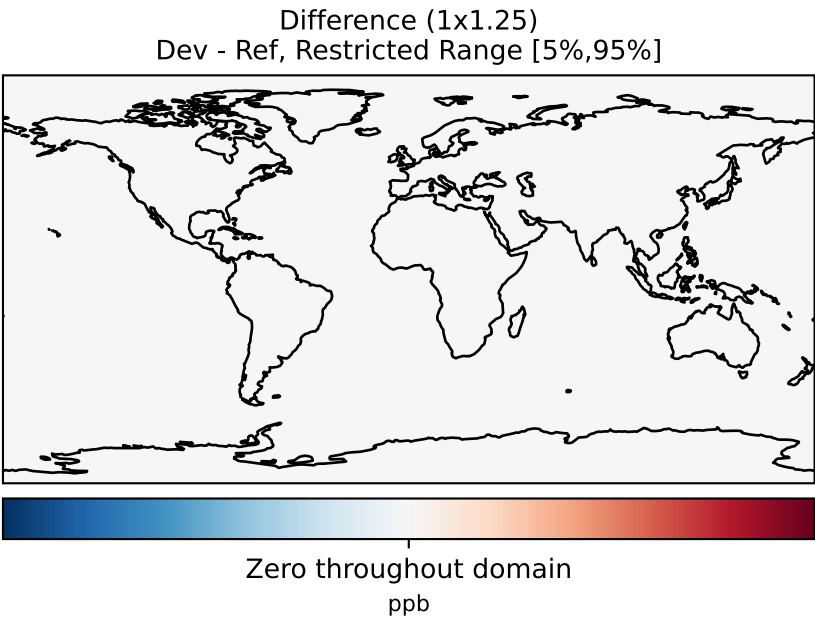
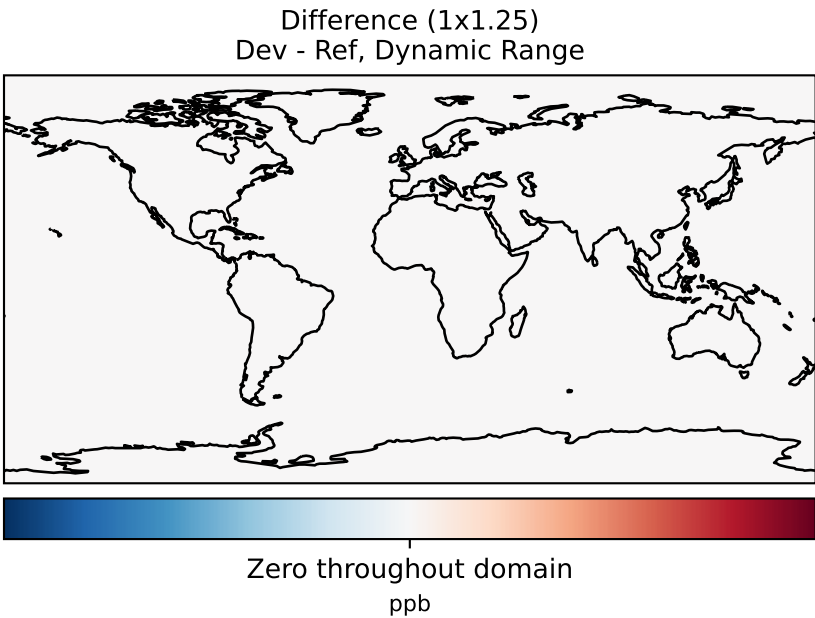
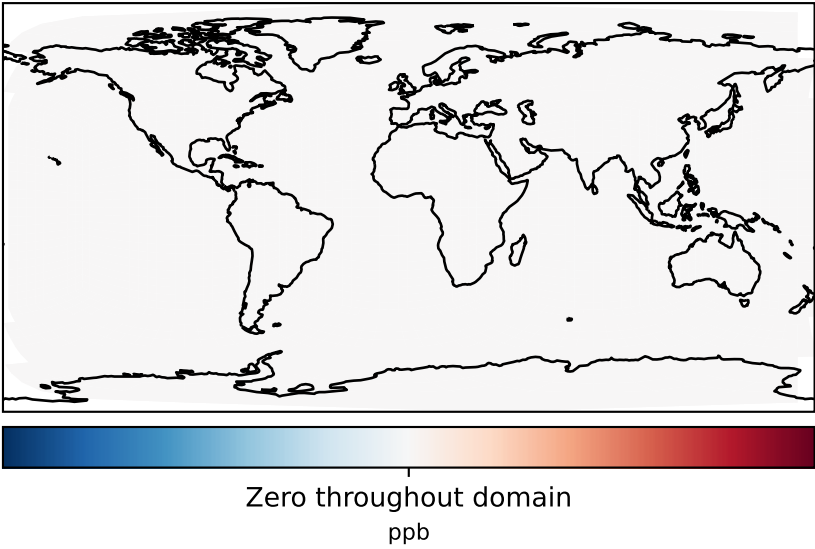
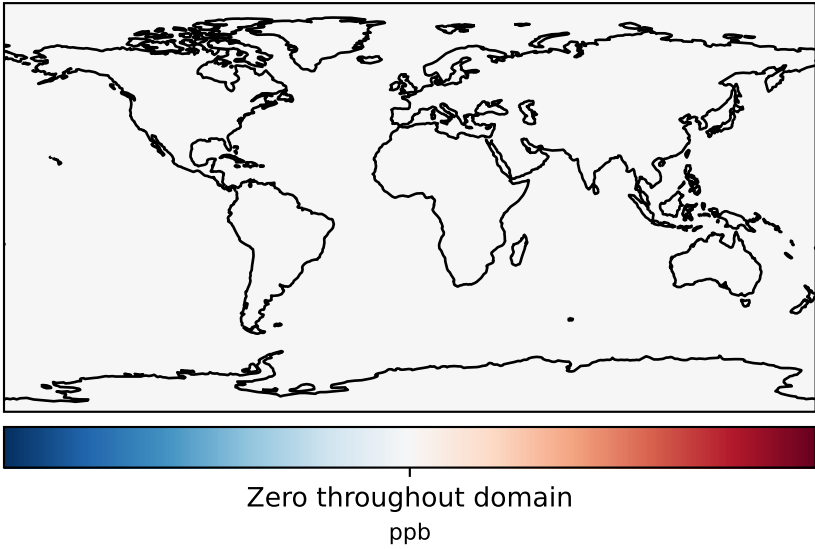
# SpeciesConcVV\_NHx

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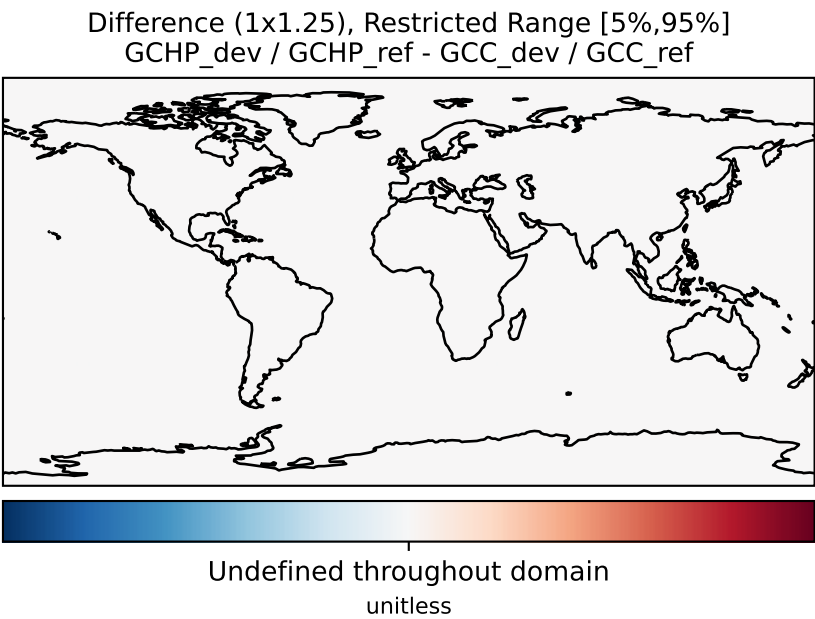
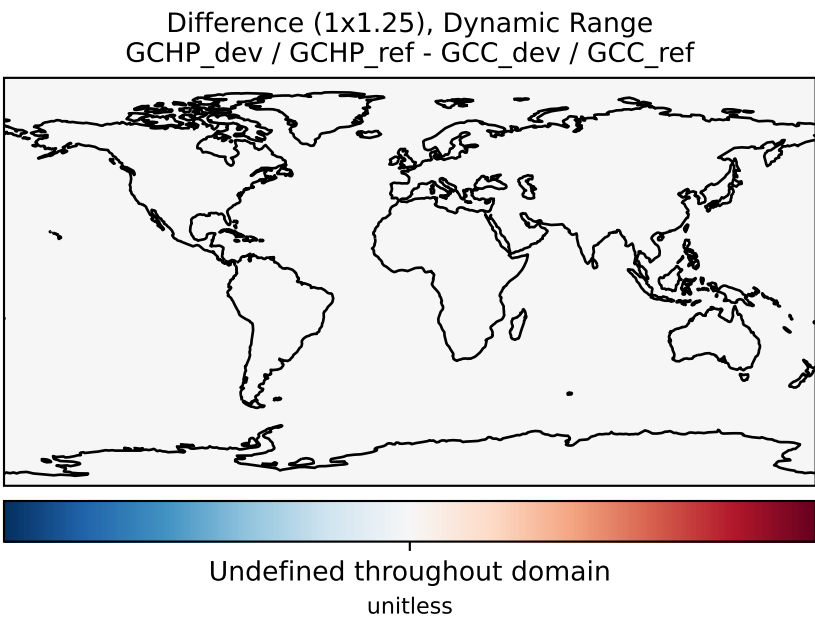
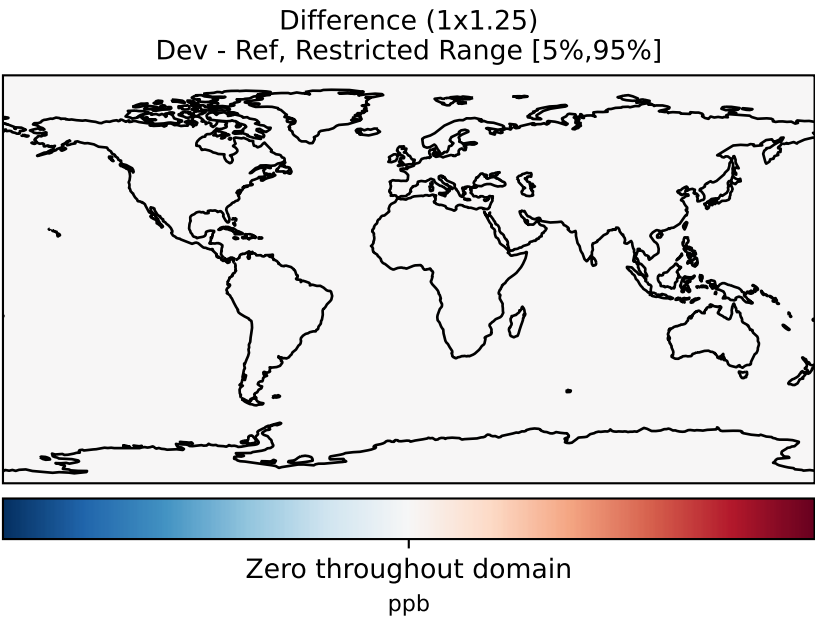
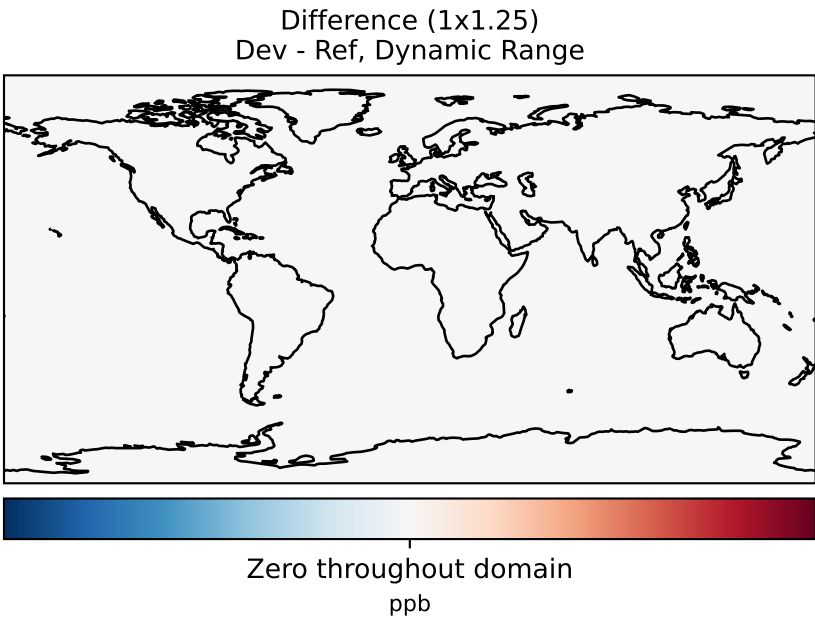
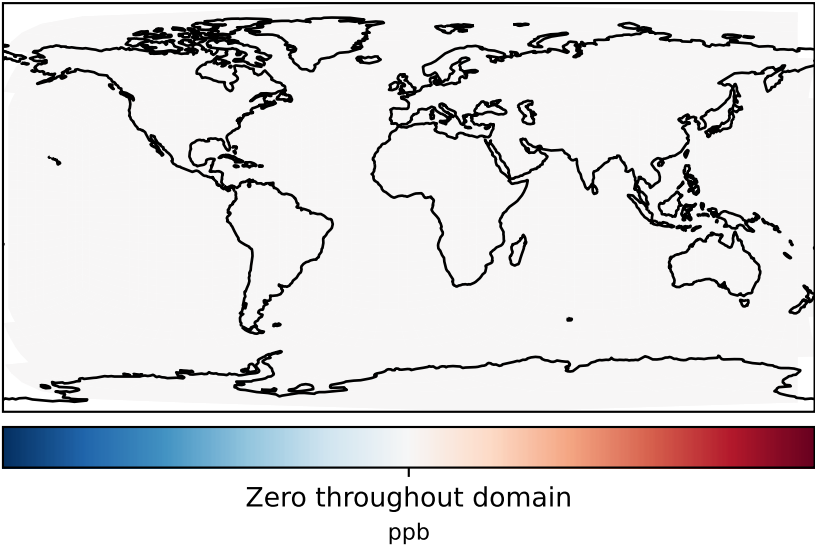
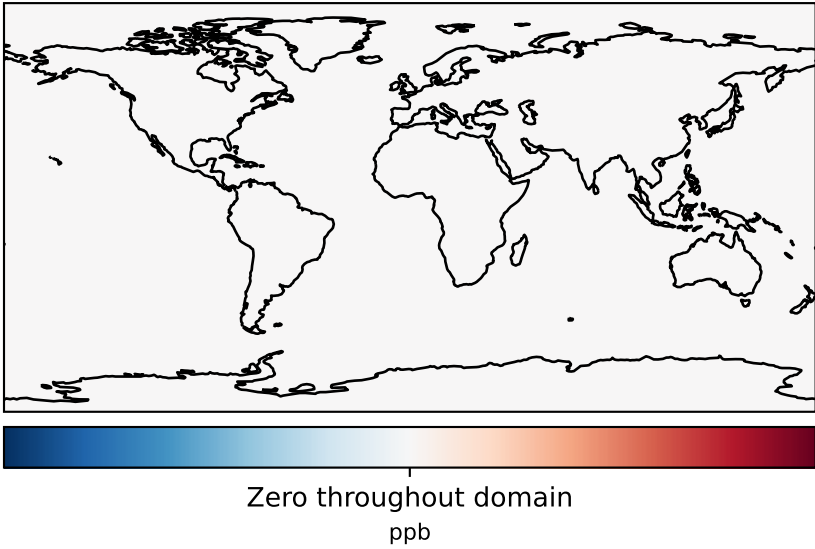
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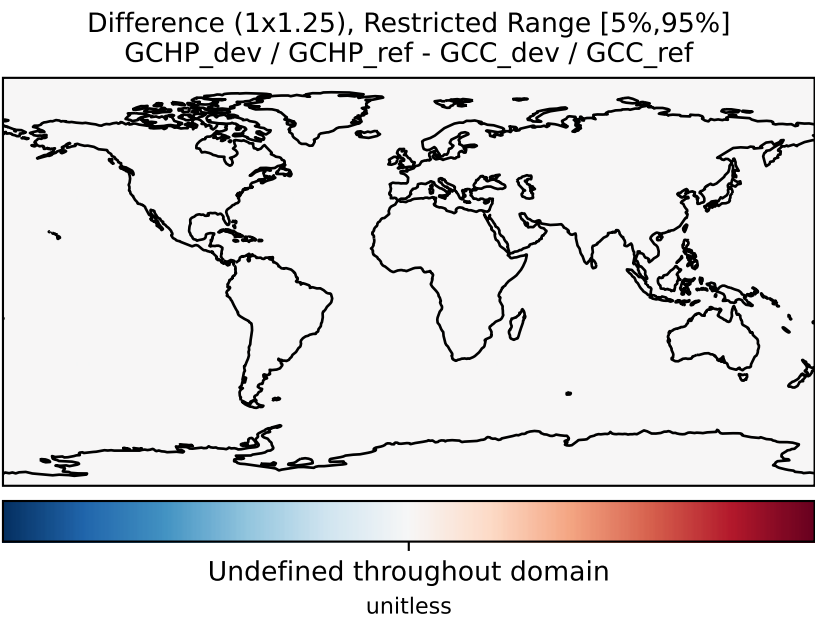
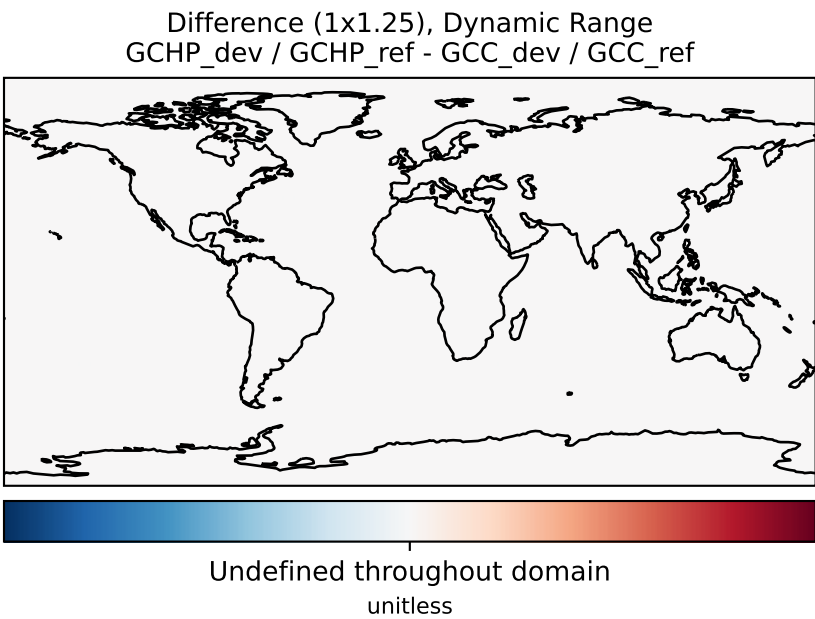
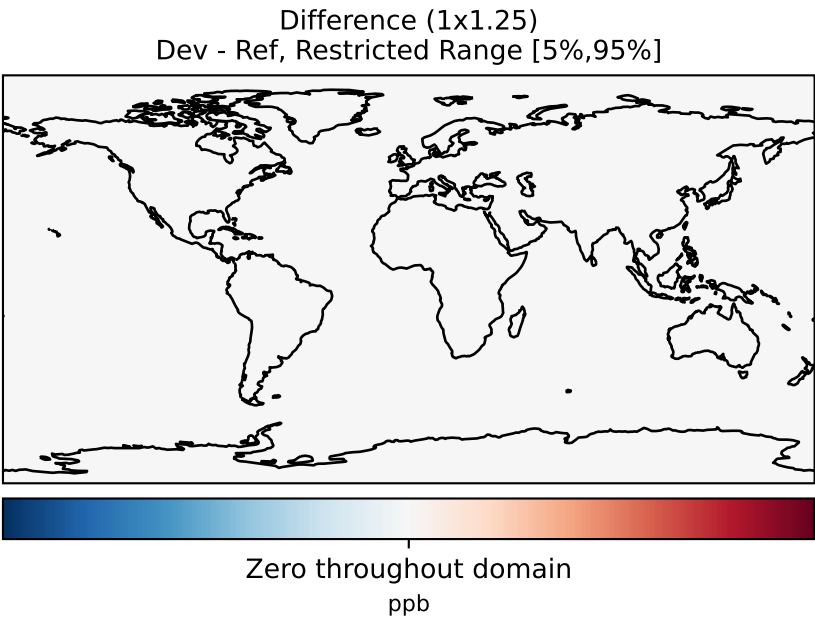
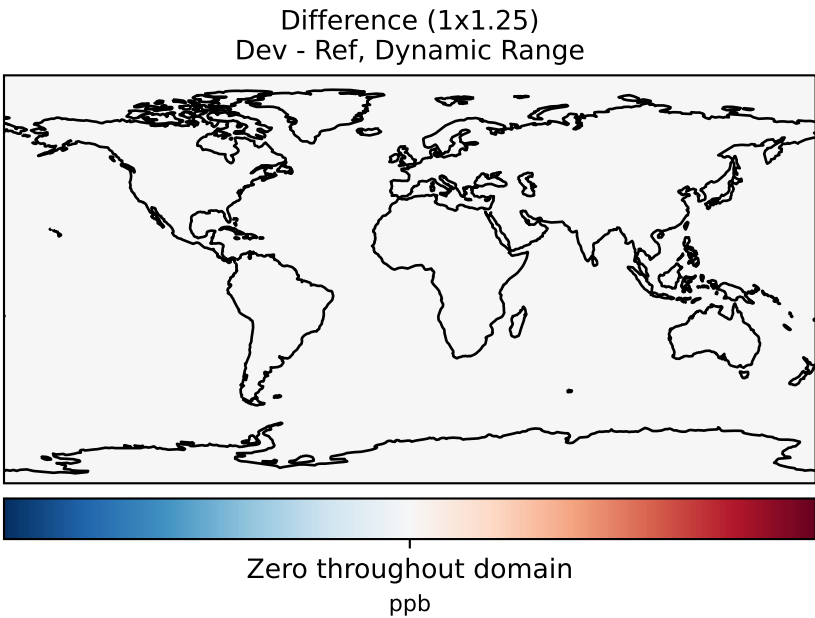
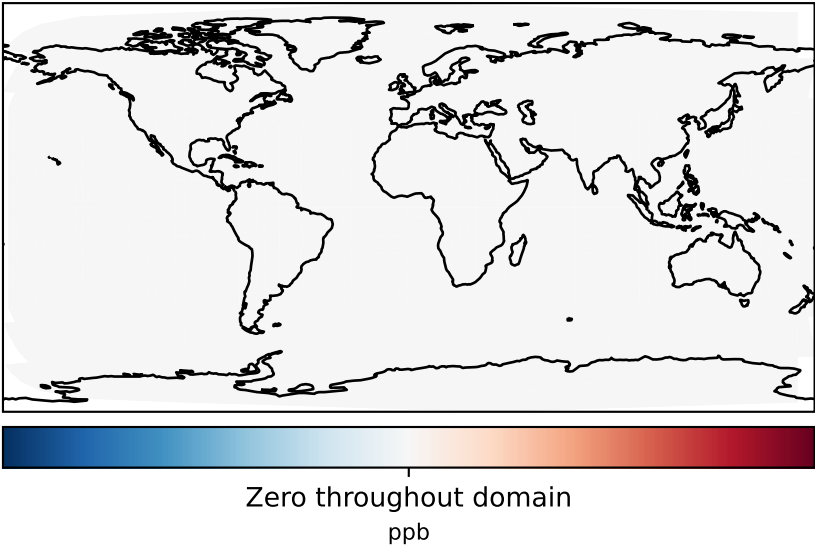
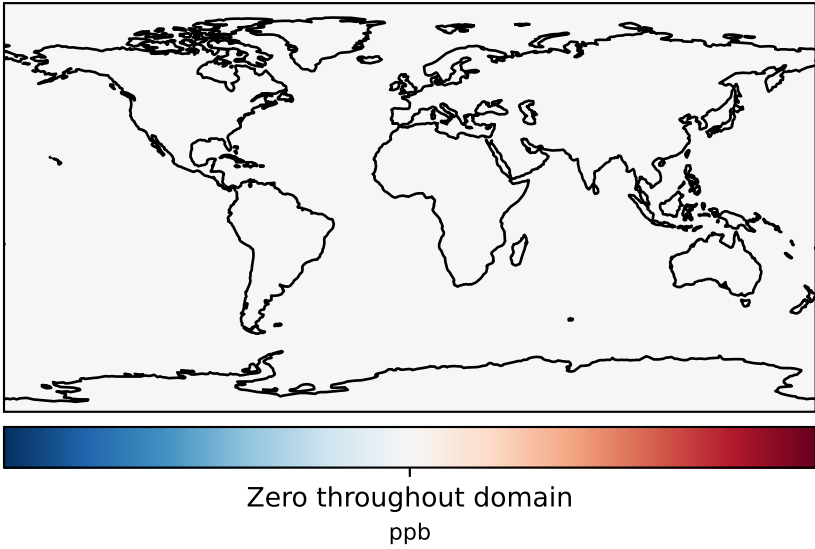
# SpeciesConcVV\_NH4

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# SpeciesConcVV\_MEN03

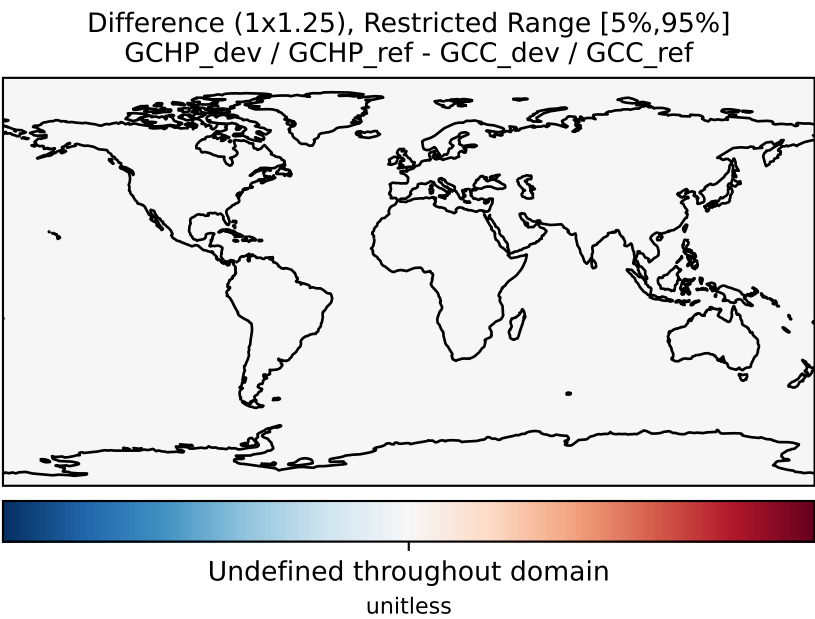
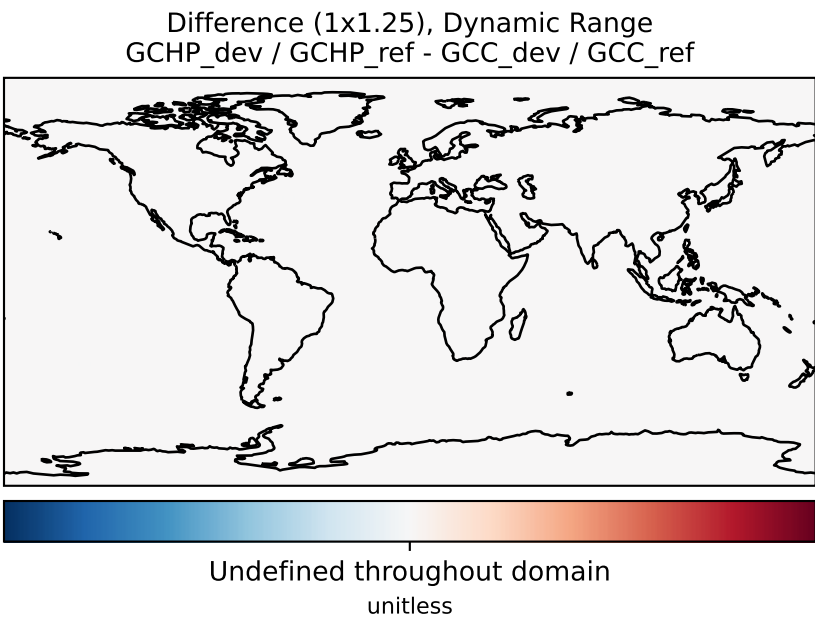
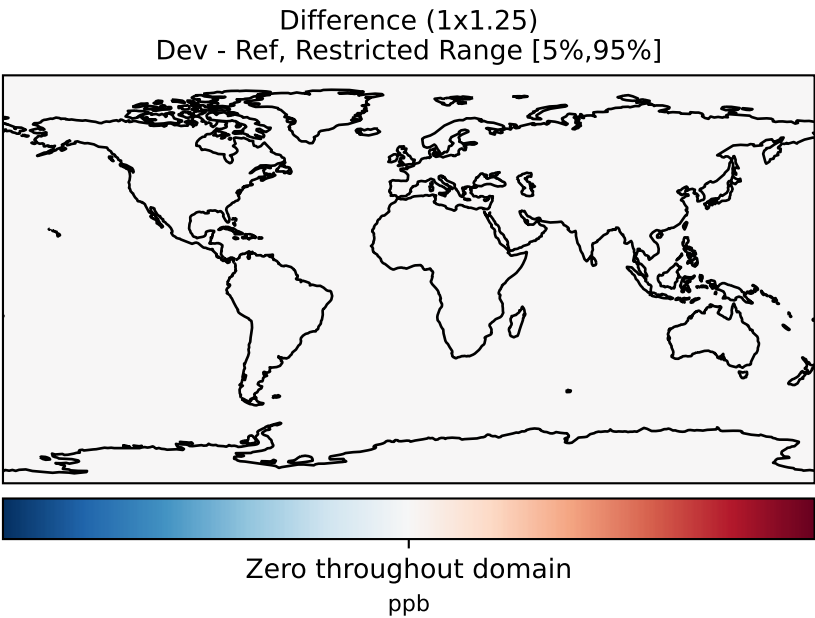
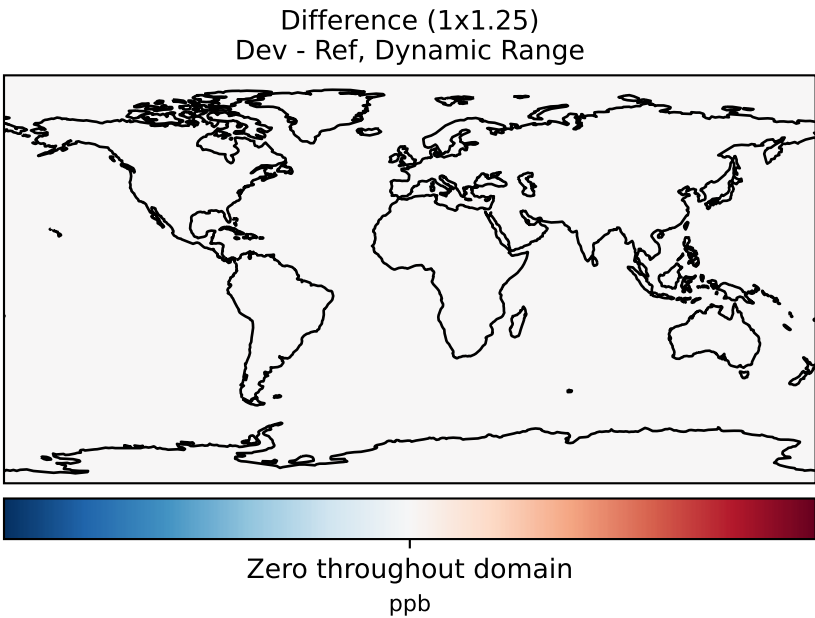
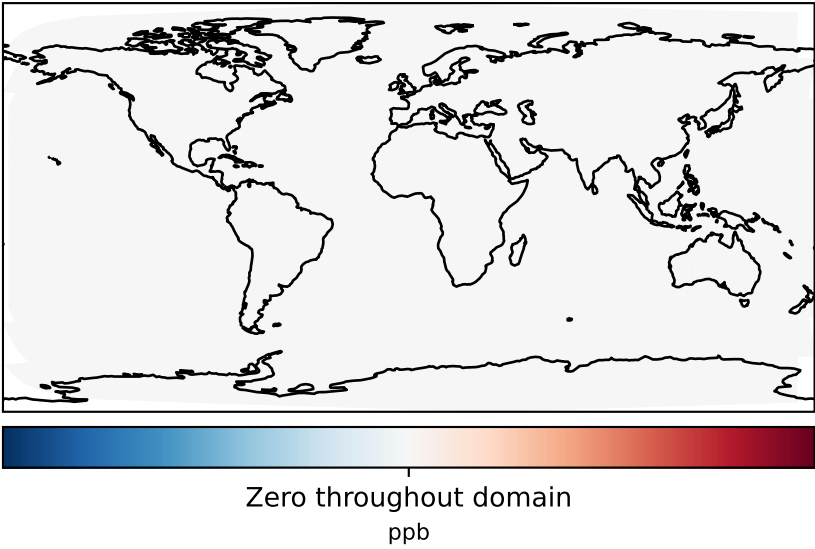
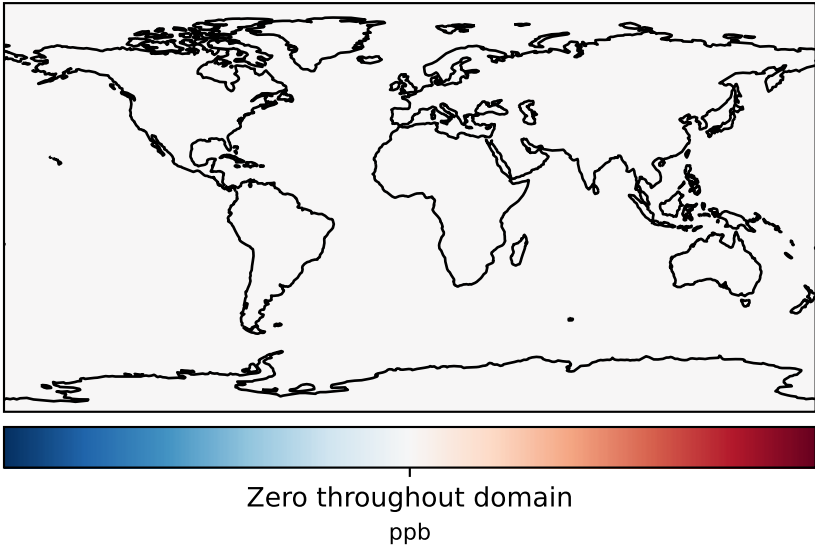
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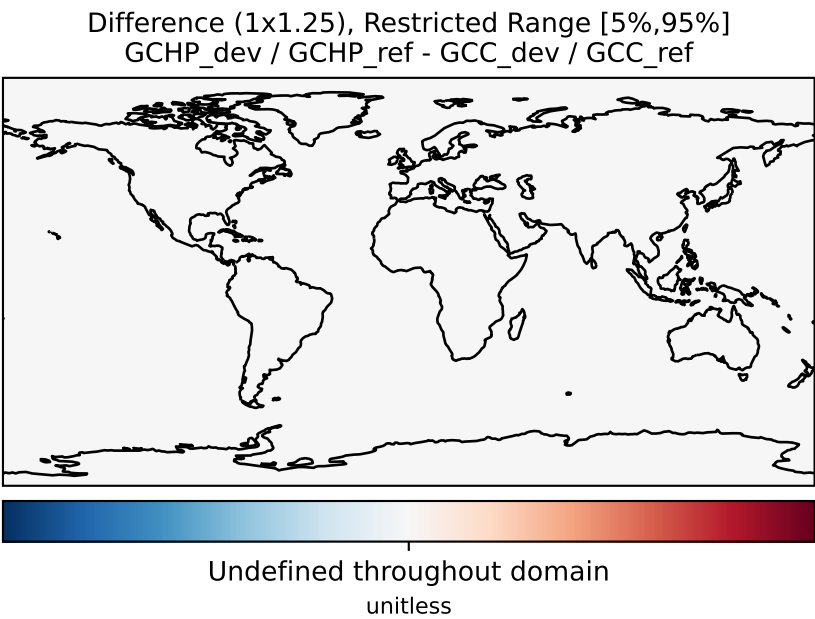
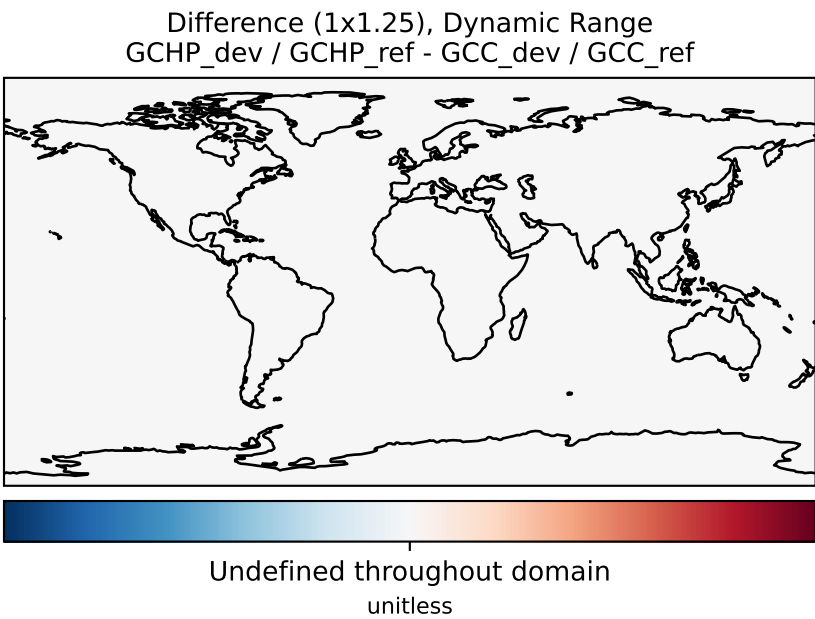
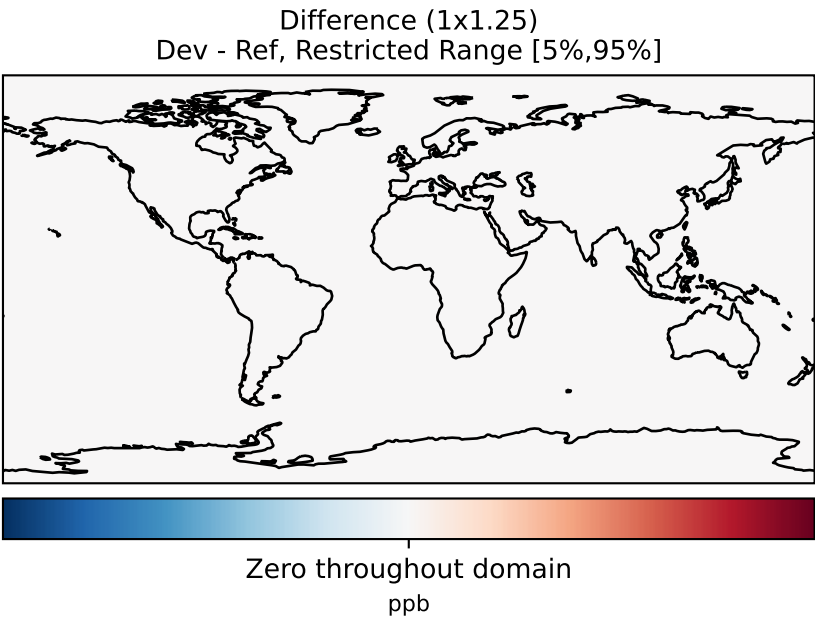
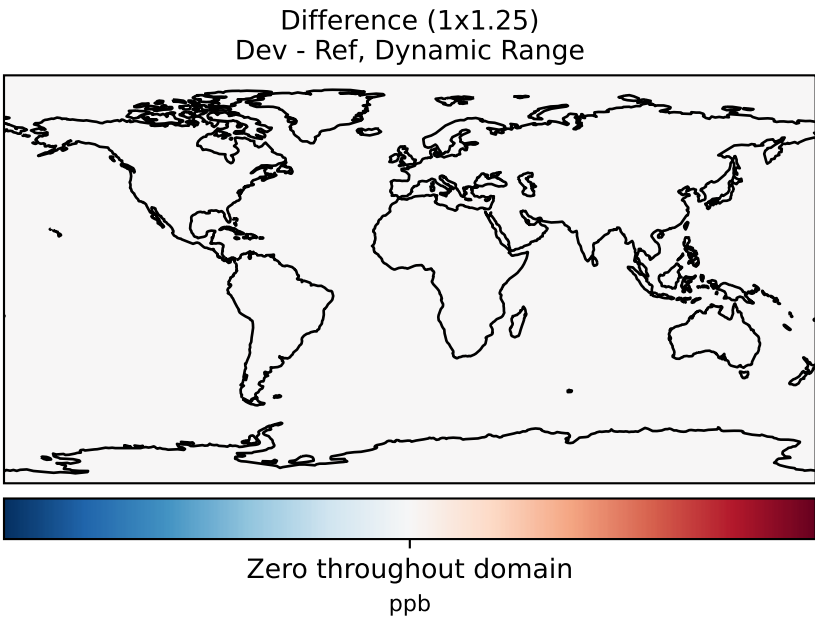
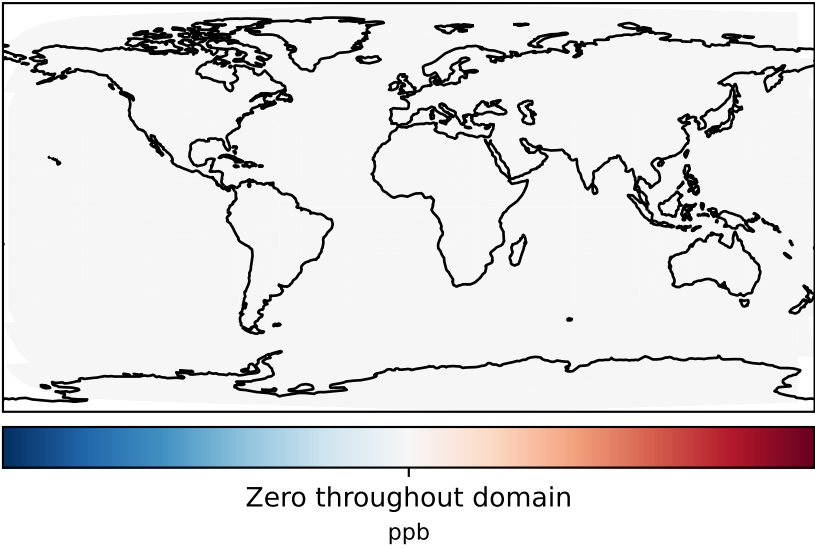
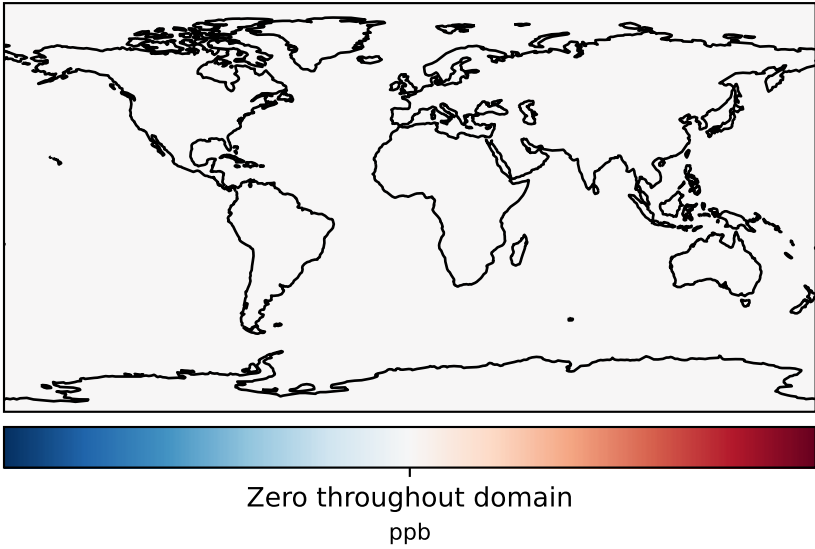
# SpeciesConcVV\_ETN03

gcc-4x5-1Mon-14.7.0-alpha.13\_-\_gcc-4x5-1Mon-14.7.0-alpha.12 (Ref) 4.0x5.0      gchp-c24-1Mon-14.7.0-alpha.13\_-\_gchp-c24-1Mon-14.7.0-alpha.12 (Dev) c24



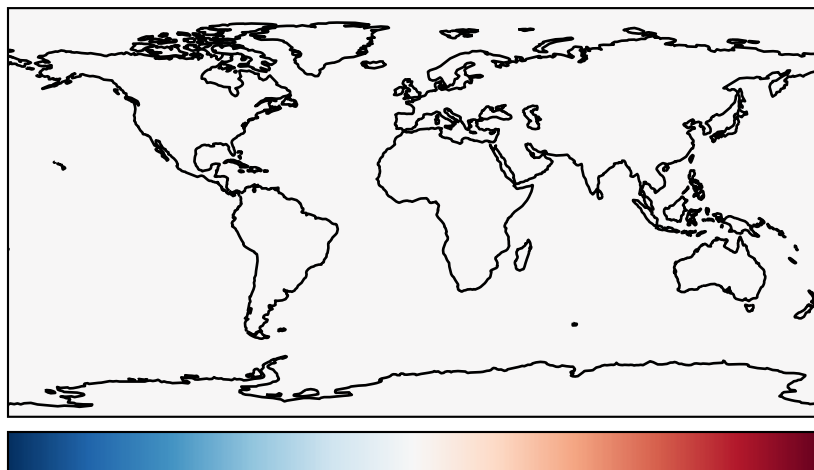
# SpeciesConcVV\_IPRNO3

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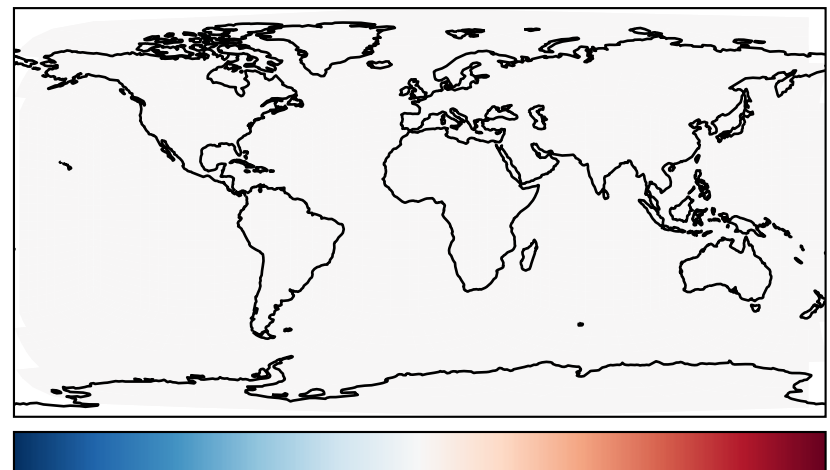


# SpeciesConcVW\_NPRNO3

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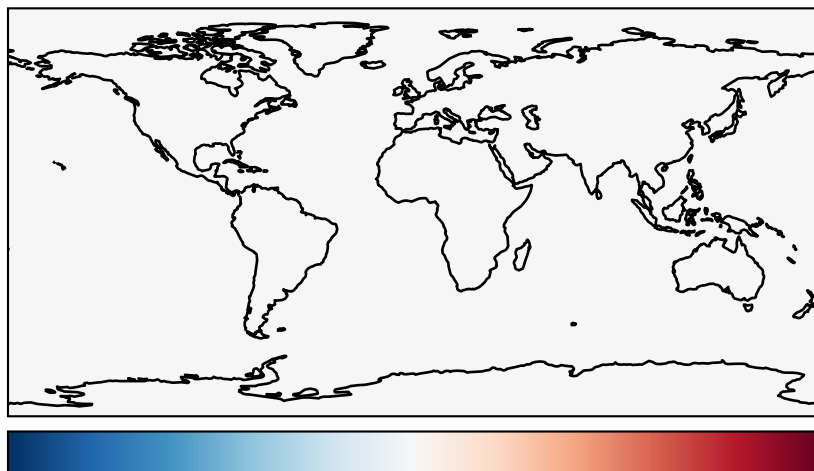


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ppb



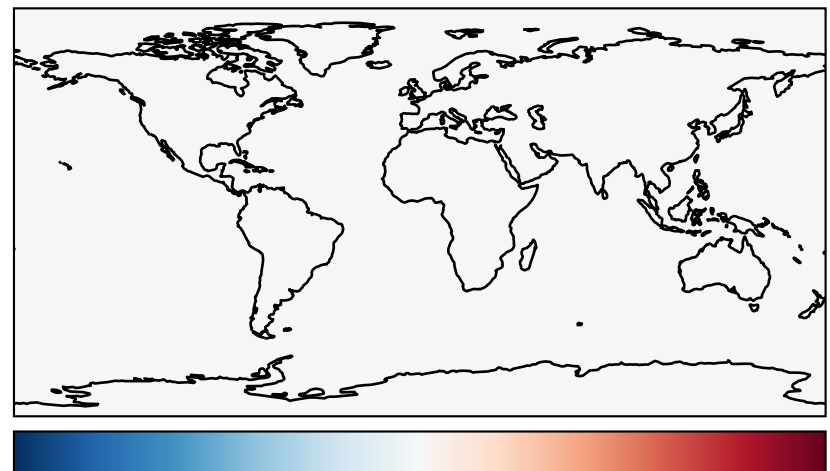
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ppb

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



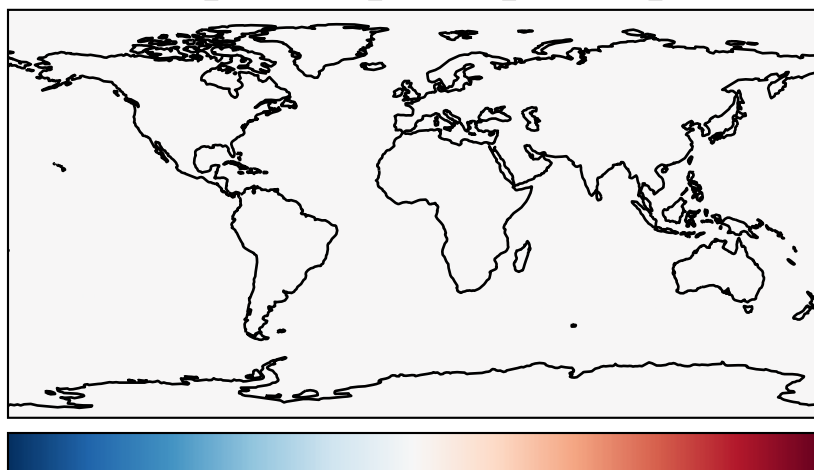
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ppb

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



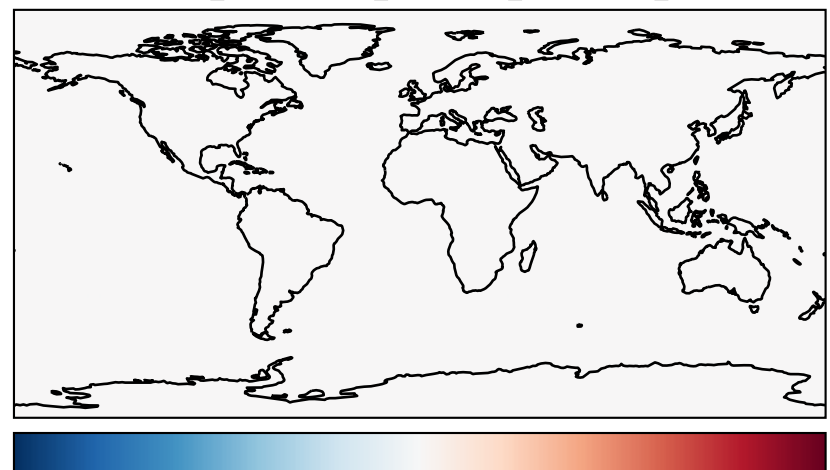
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ppb

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



Undefined throughout domain  
unitless

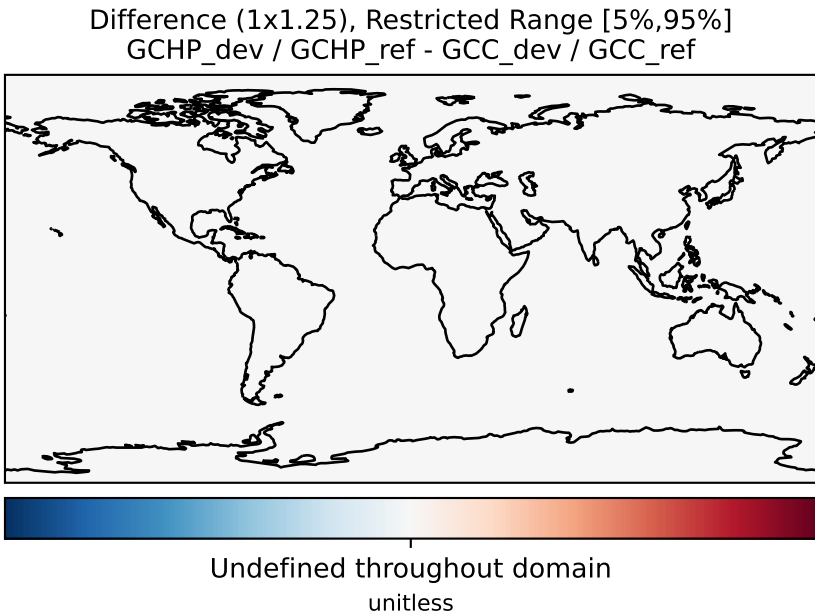
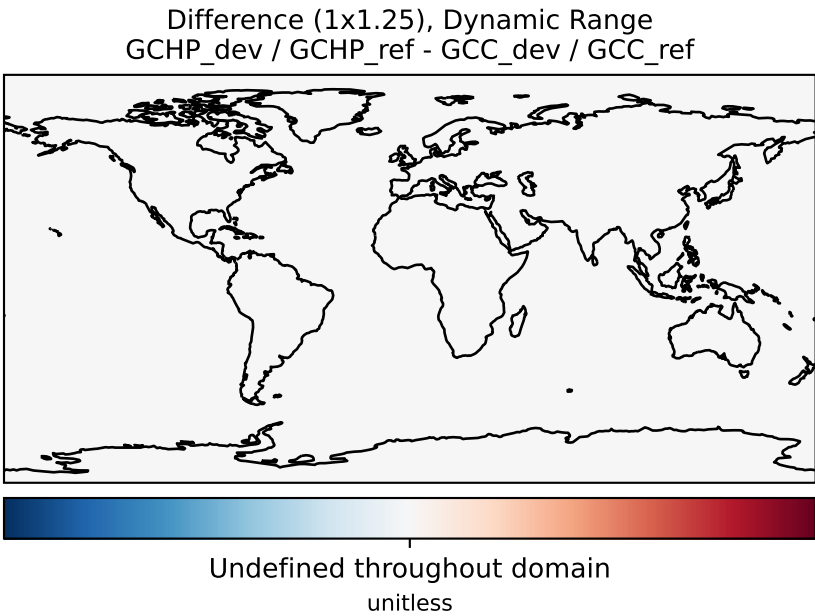
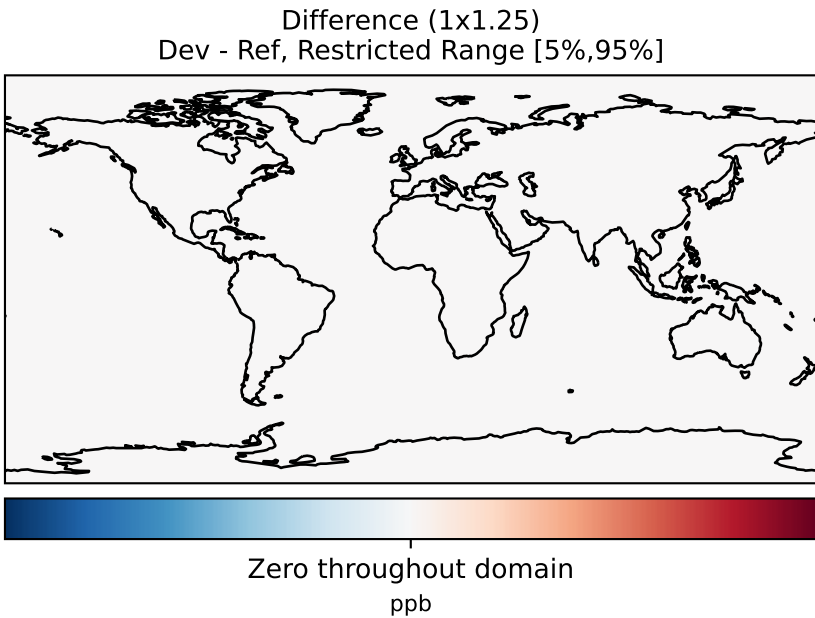
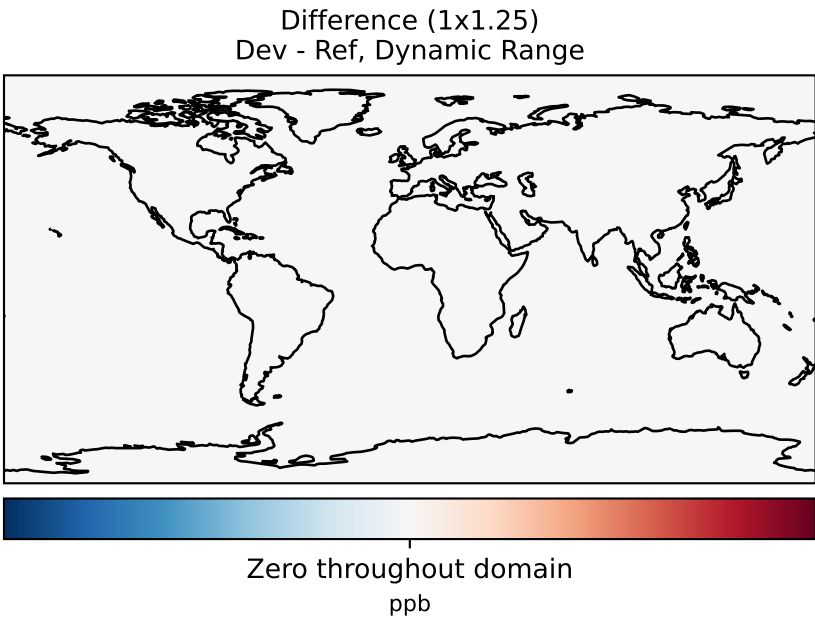
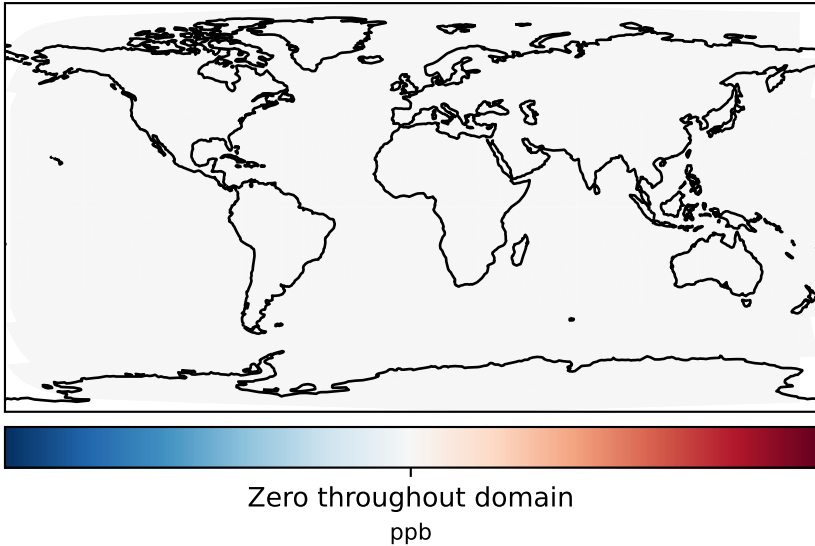
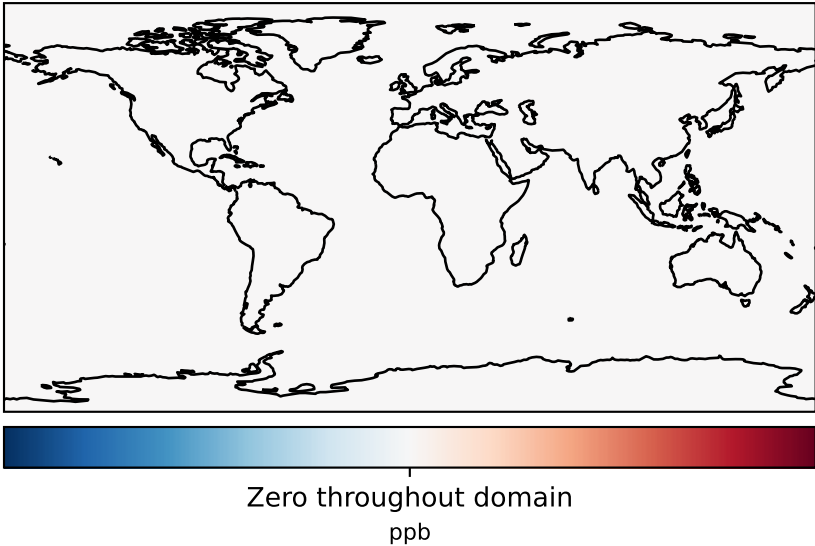
Difference (1x1.25), Restricted Range [5%,95%]  
 $\text{GCHP\_dev} / \text{GCHP\_ref} - \text{GCC\_dev} / \text{GCC\_ref}$



Undefined throughout domain  
unitless

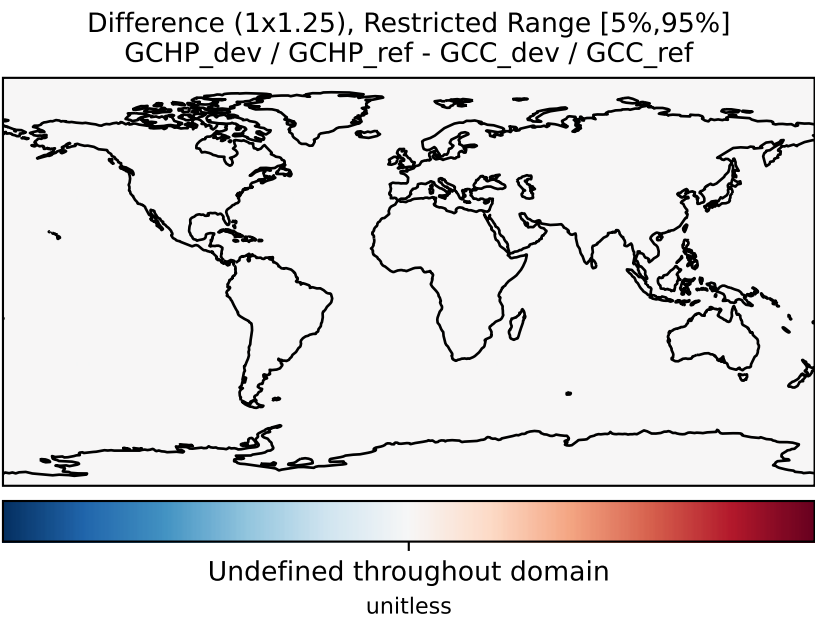
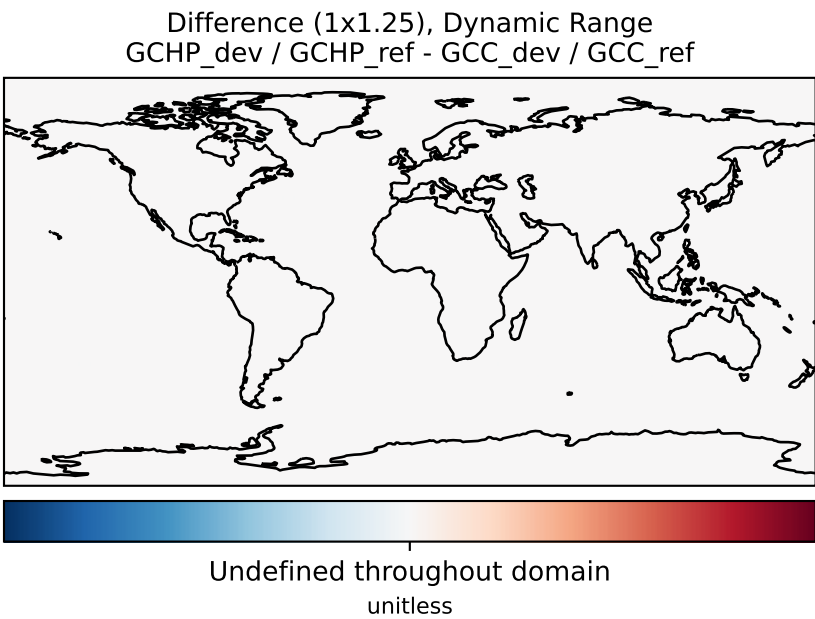
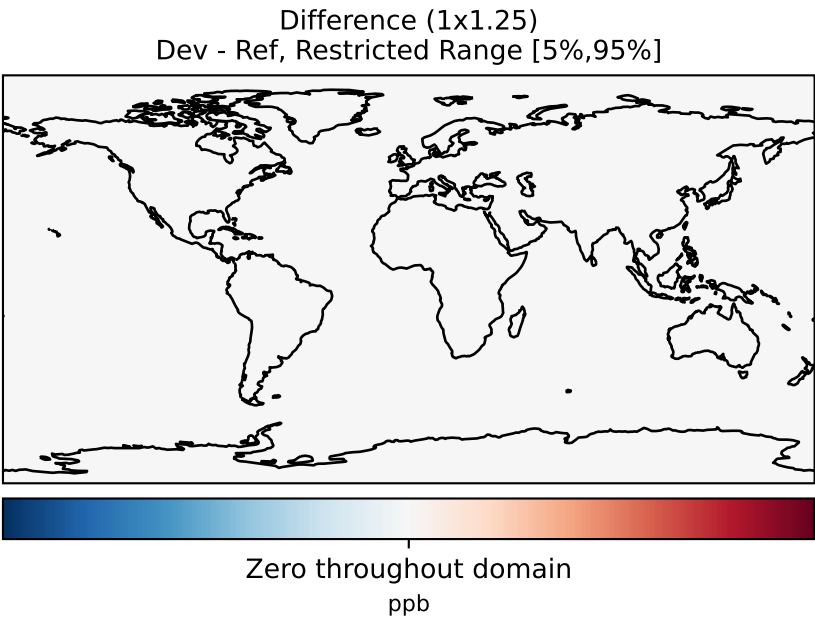
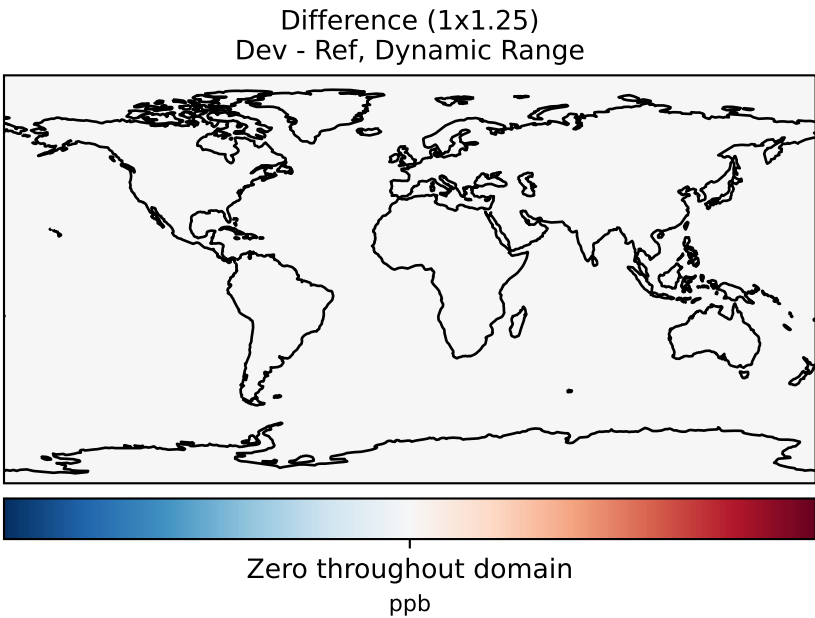
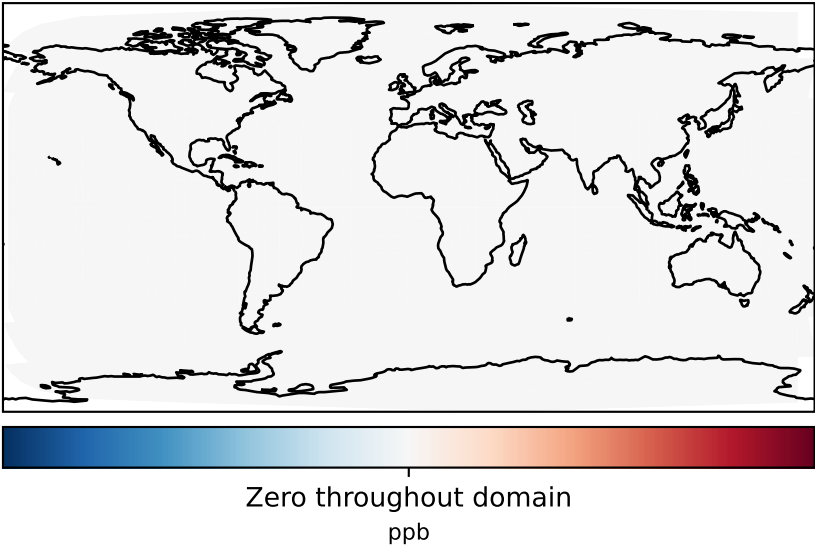
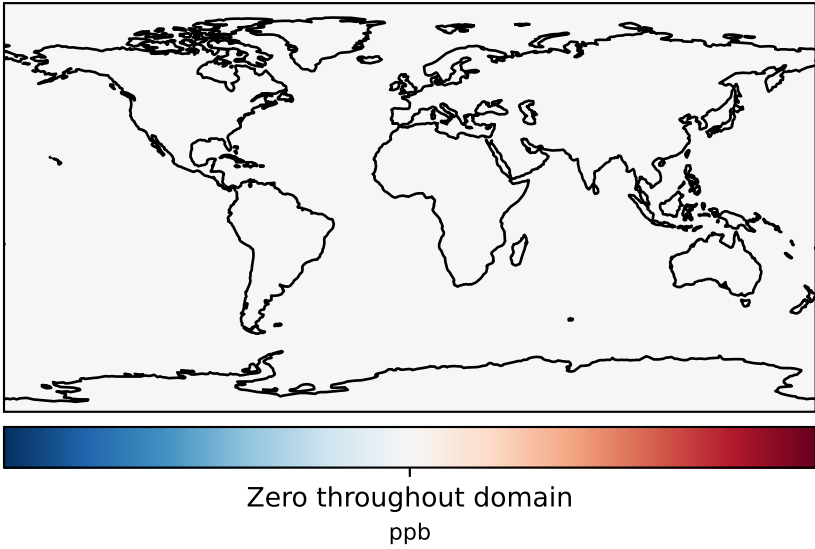
# SpeciesConcVW\_AONITA

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# SpeciesConcVV\_ETHN

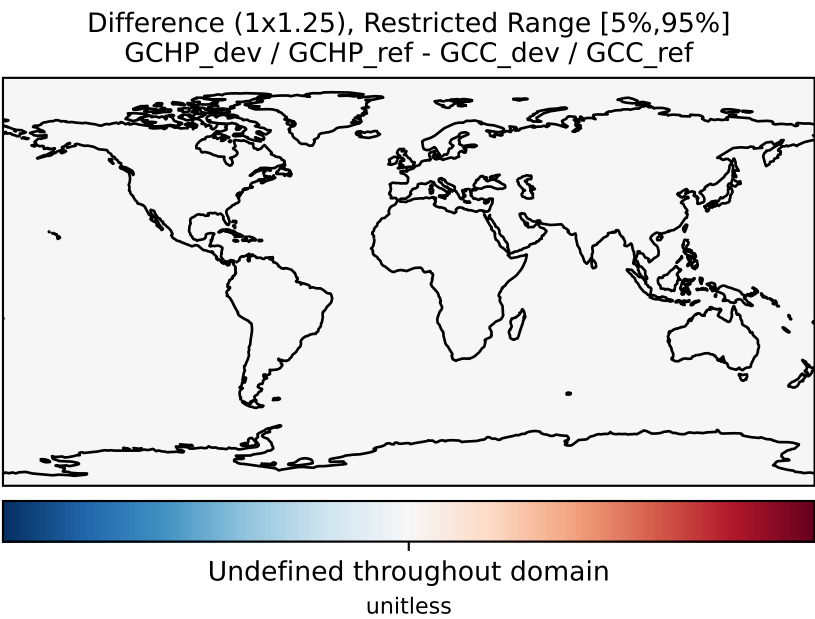
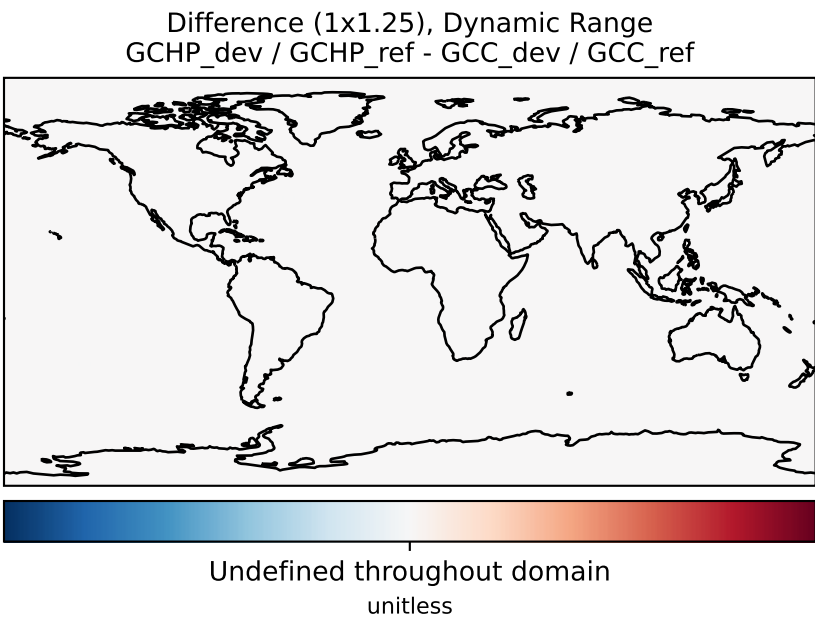
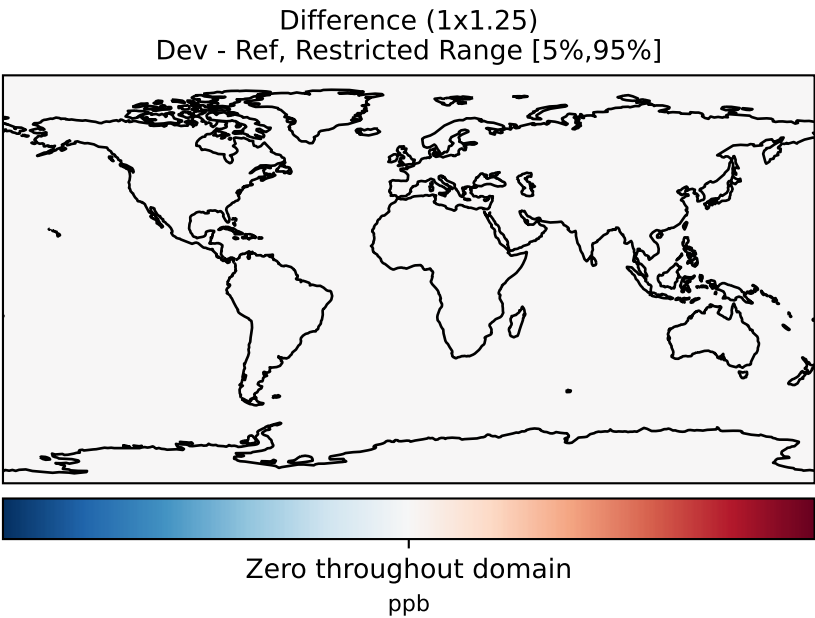
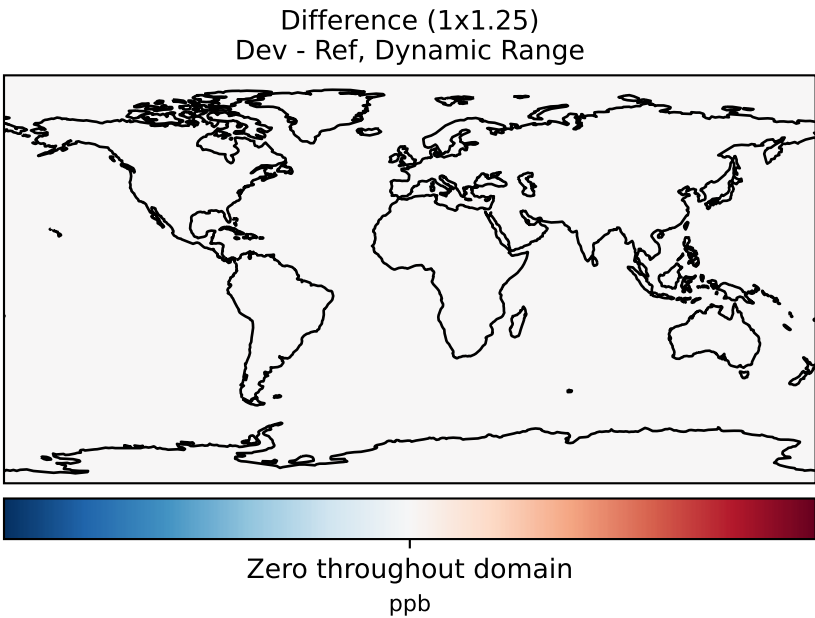
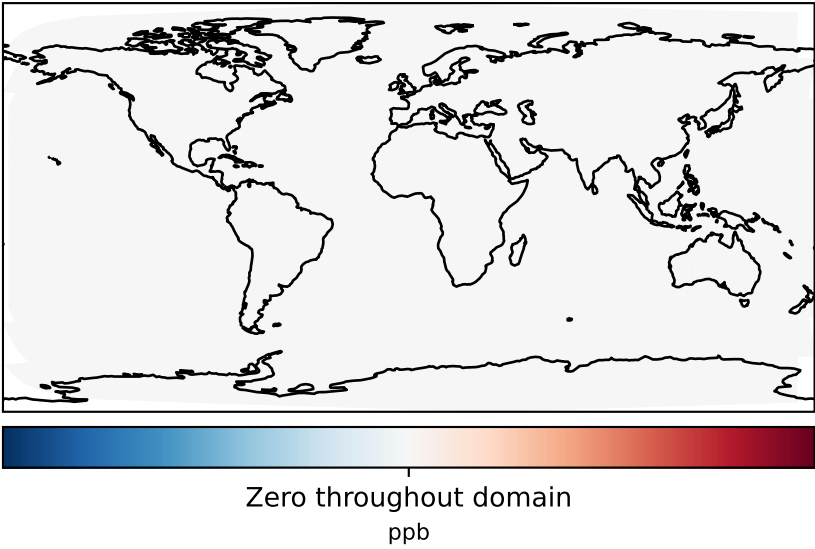
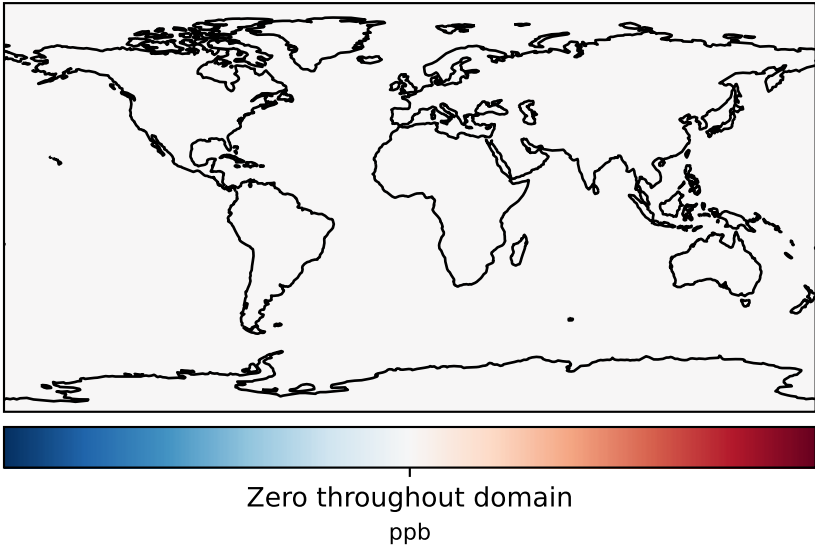
gcc-4x5-1Mon-14.7.0-alpha.13\_-\_gcc-4x5-1Mon-14.7.0-alpha.12 (Ref) 4.0x5.0      gchp-c24-1Mon-14.7.0-alpha.13\_-\_gchp-c24-1Mon-14.7.0-alpha.12 (Dev) c24





# SpeciesConcVV\_BZPAN

gcc-4x5-1Mon-14.7.0-alpha.13\_-\_gcc-4x5-1Mon-14.7.0-alpha.12 (Ref) 4.0x5.0      gchp-c24-1Mon-14.7.0-alpha.13\_-\_gchp-c24-1Mon-14.7.0-alpha.12 (Dev) c24



# SpeciesConcVV\_NPHEN

gcc-4x5-1Mon-14.7.0-alpha.13\_-\_gcc-4x5-1Mon-14.7.0-alpha.12 (Ref) 4.0x5.0      gchp-c24-1Mon-14.7.0-alpha.13\_-\_gchp-c24-1Mon-14.7.0-alpha.12 (Dev) c24

