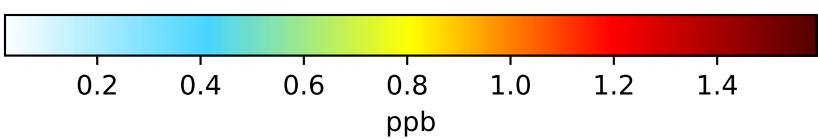
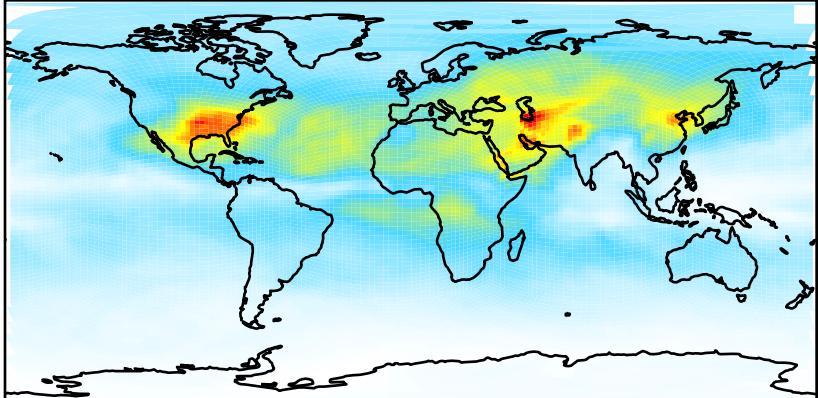
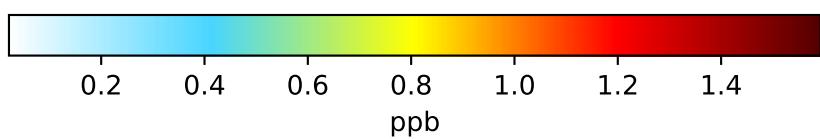
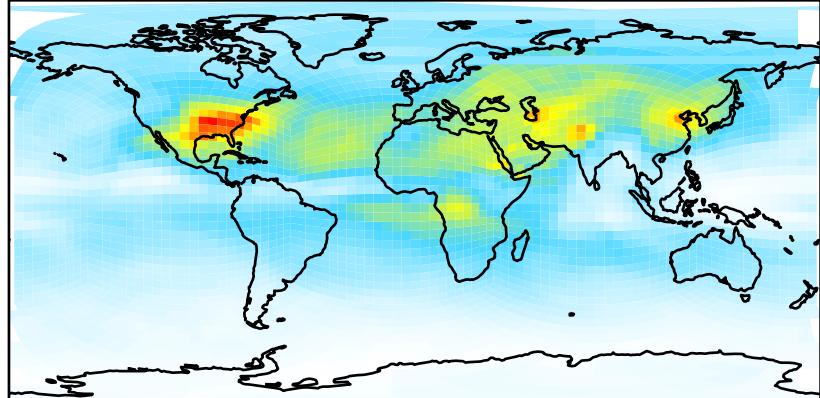


# SpeciesConc\_NOy

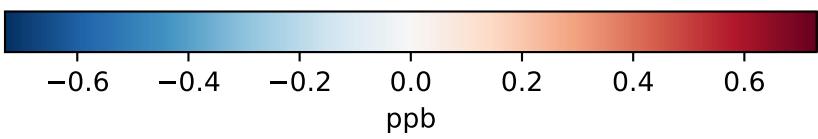
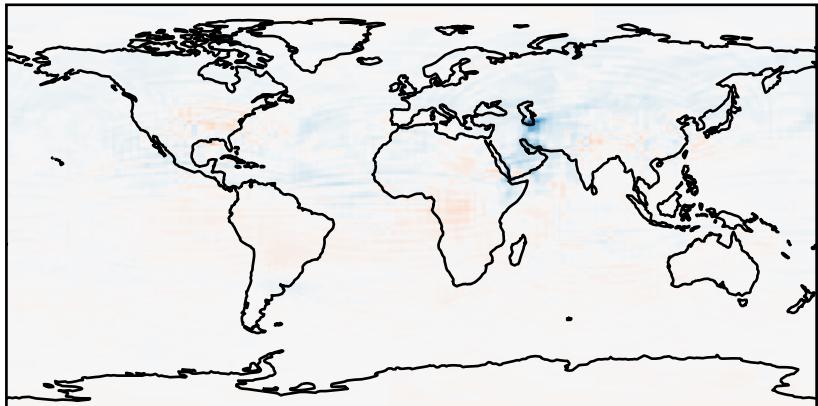
GCHP\_12.4.0 (Ref)  
c48



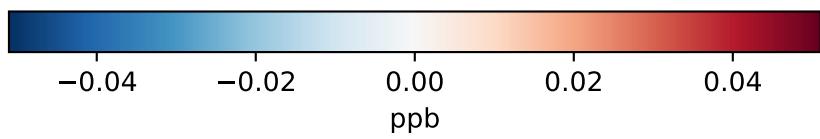
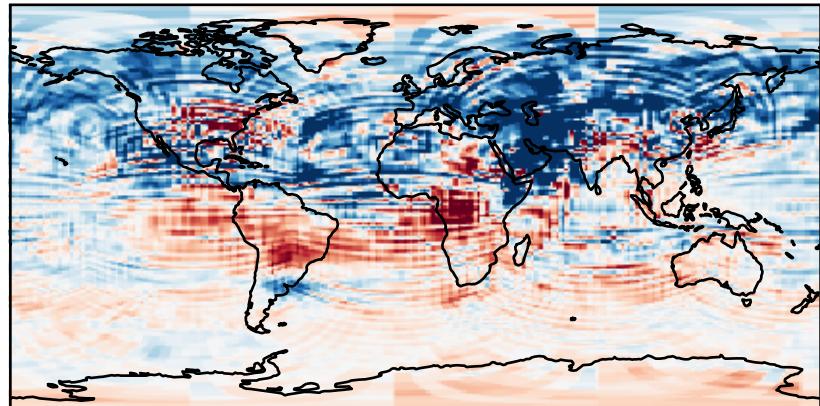
GCHP\_12.5.0\_c24 (Dev)  
c24



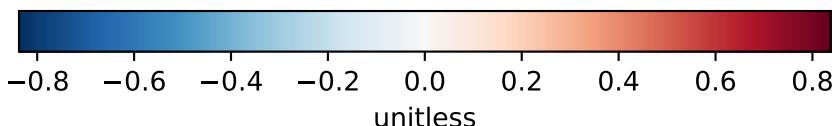
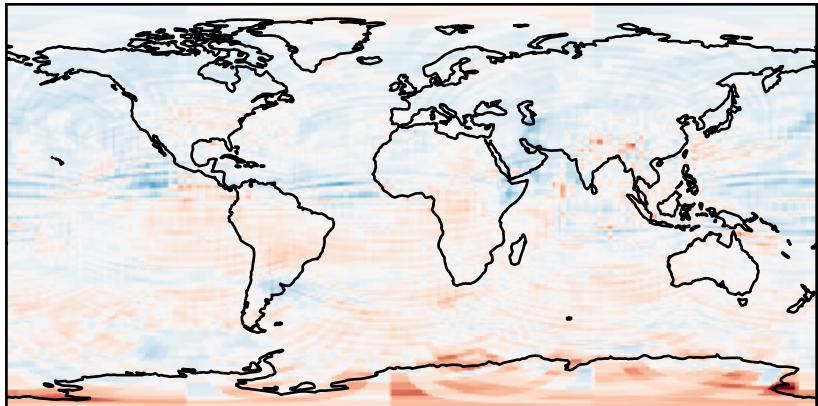
Difference (1x1.25)  
Dev - Ref, Dynamic Range



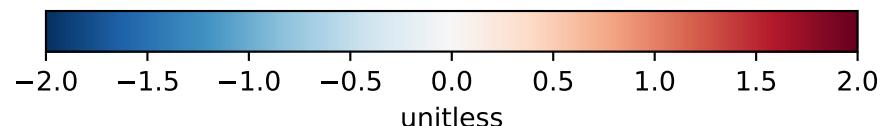
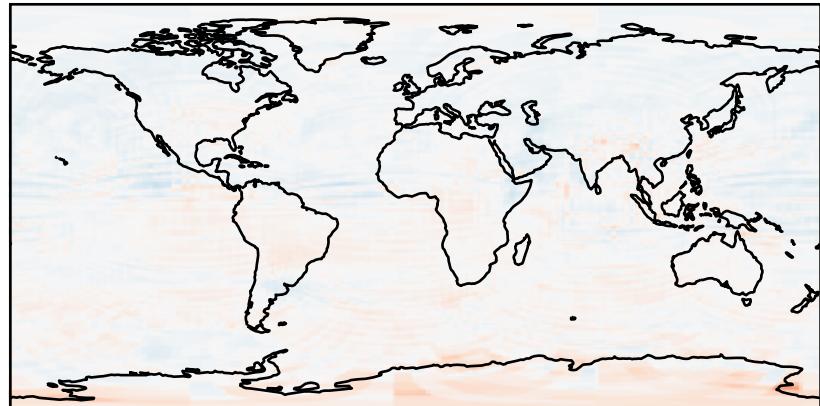
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

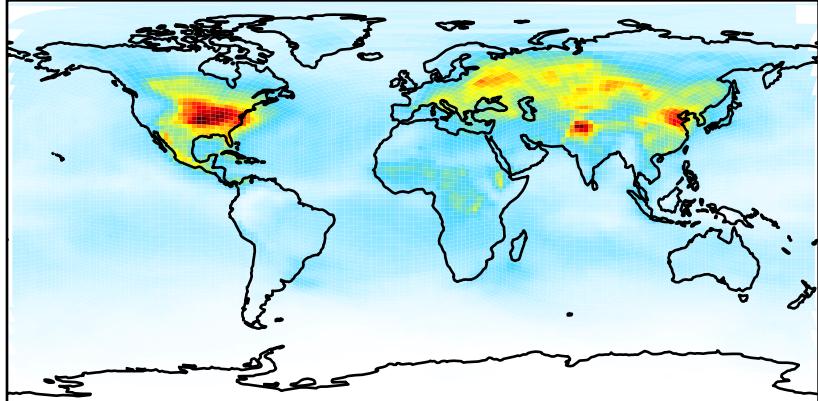


Fractional Difference (1x1.25)  
(Dev-Ref)/Ref, Fixed Range

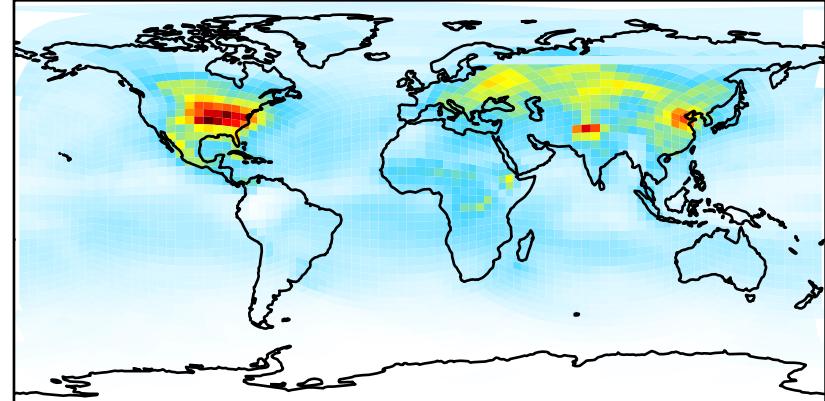


# SpeciesConc\_NOx

GCHP\_12.4.0 (Ref)  
c48



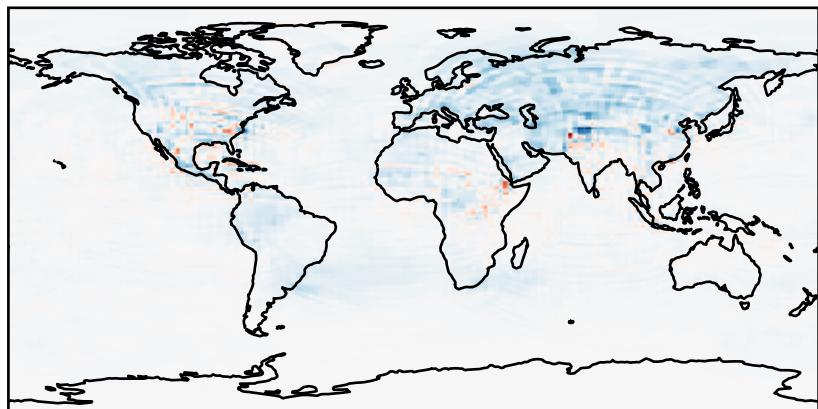
GCHP\_12.5.0\_c24 (Dev)  
c24



0.05 0.10 0.15 0.20 0.25  
ppb

0.05 0.10 0.15 0.20 0.25  
ppb

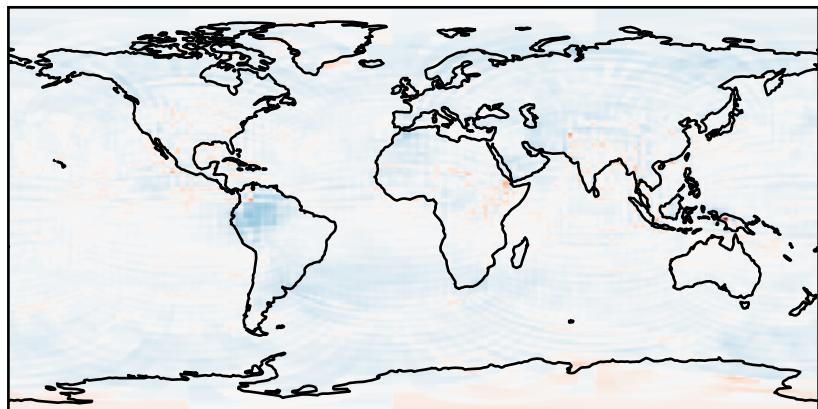
Difference (1x1.25)  
Dev - Ref, Dynamic Range



-0.06 -0.04 -0.02 0.00 0.02 0.04 0.06  
ppb

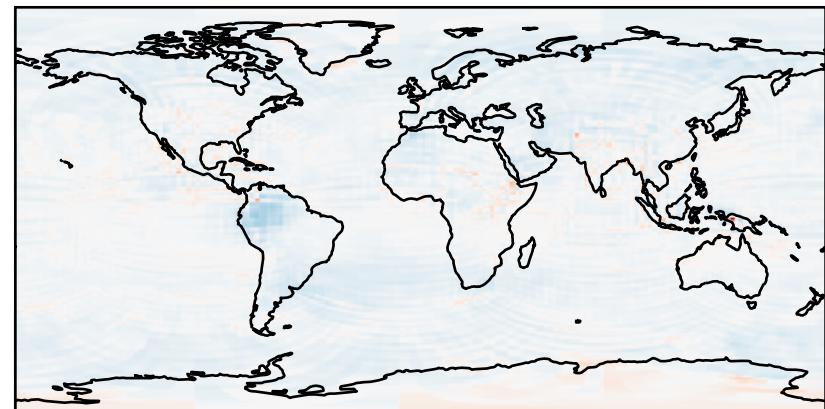
-0.008 0.000 0.008  
ppb

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



-1.5 -1.0 -0.5 0.0 0.5 1.0 1.5  
unitless

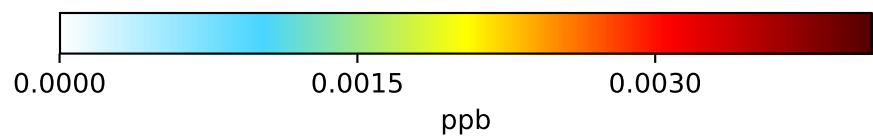
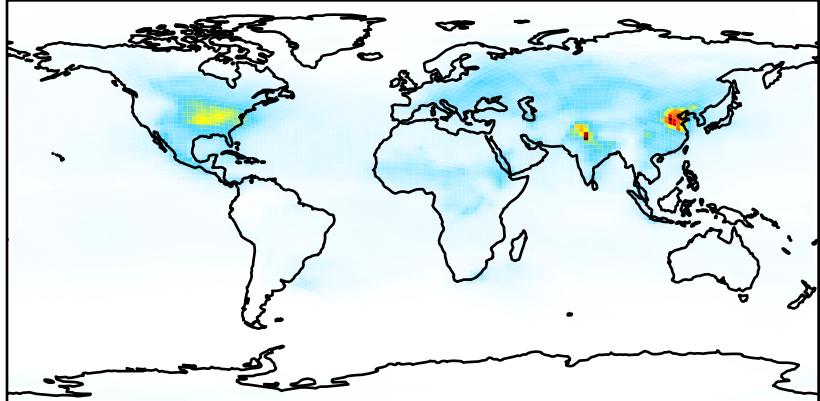
Fractional Difference (1x1.25)  
(Dev-Ref)/Ref, Fixed Range



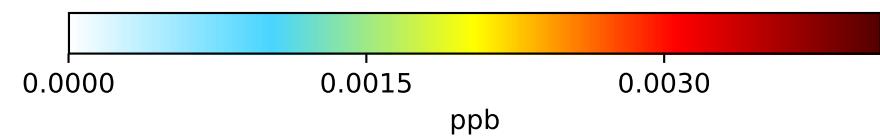
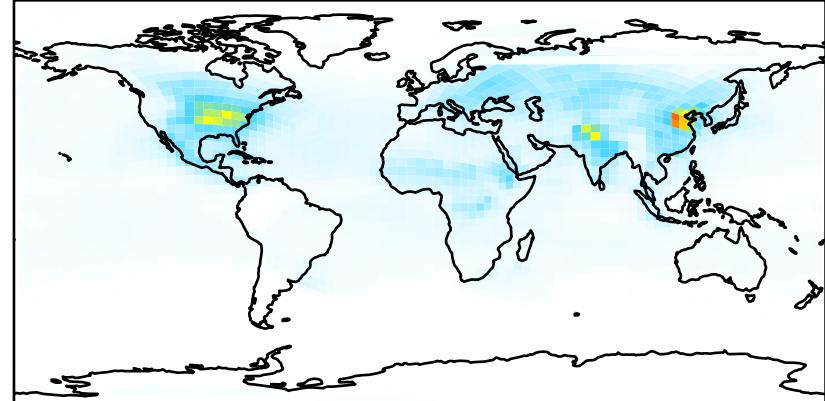
-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0 1.5 2.0  
unitless

# SpeciesConc\_HNO2

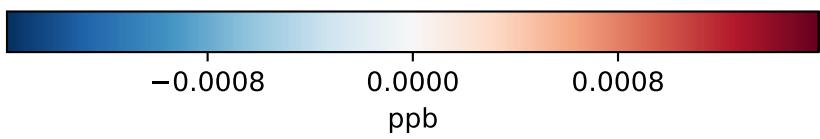
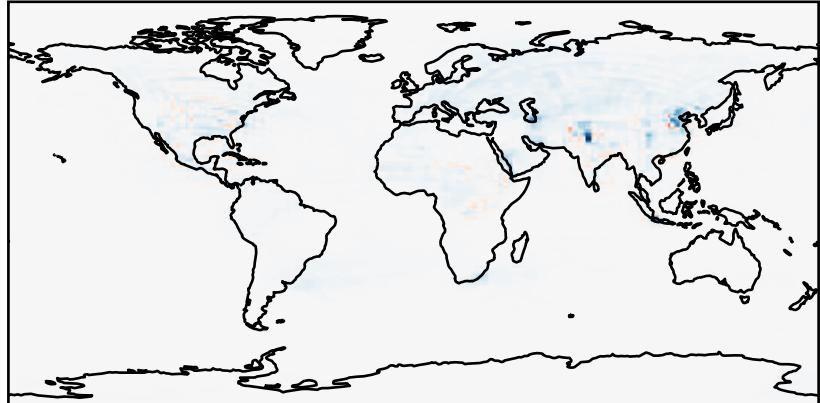
GCHP\_12.4.0 (Ref)  
c48



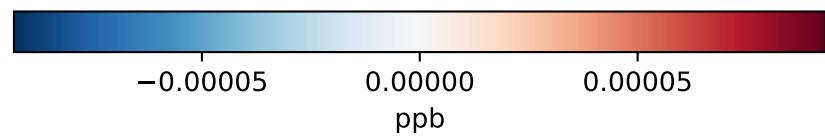
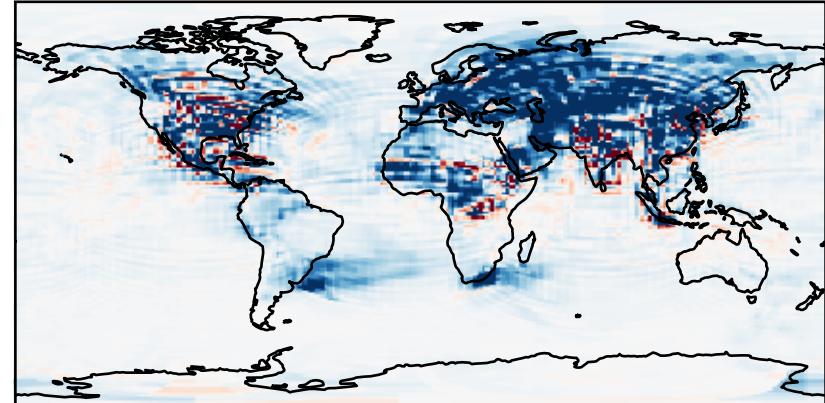
GCHP\_12.5.0\_c24 (Dev)  
c24



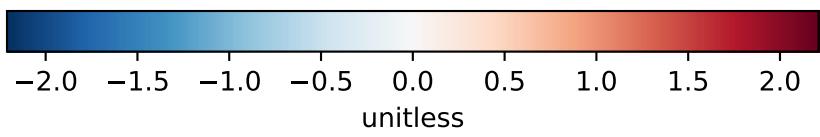
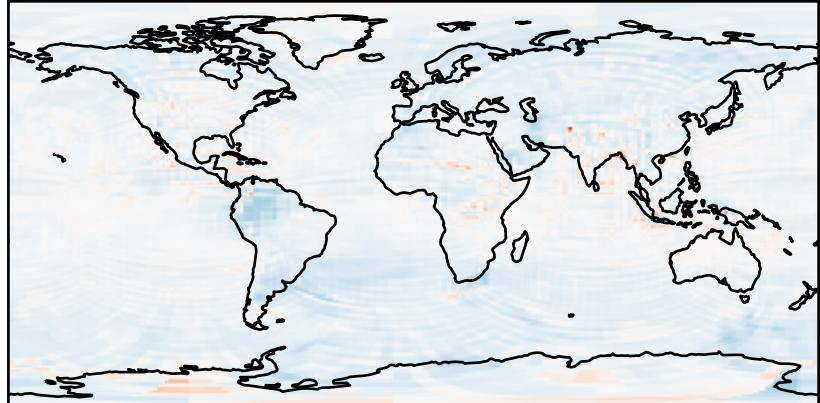
Difference (1x1.25)  
Dev - Ref, Dynamic Range



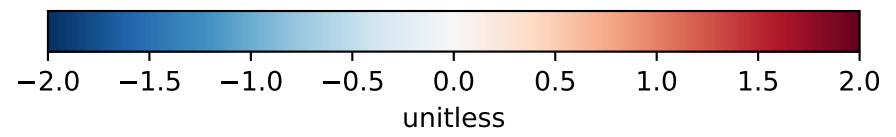
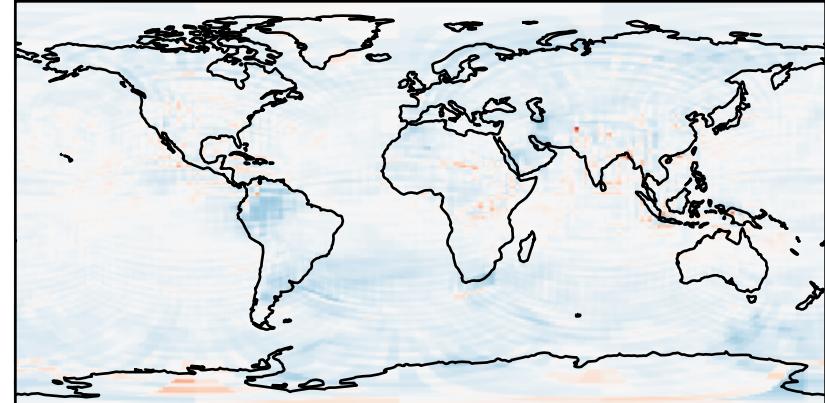
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

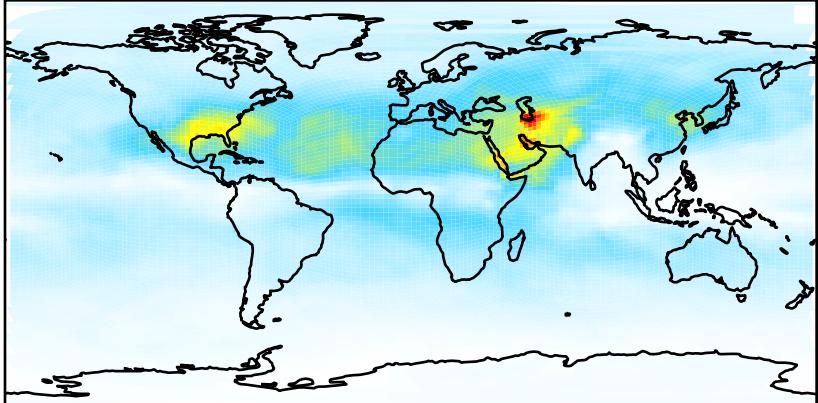


Fractional Difference (1x1.25)  
(Dev-Ref)/Ref, Fixed Range

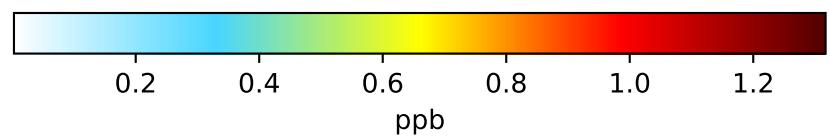
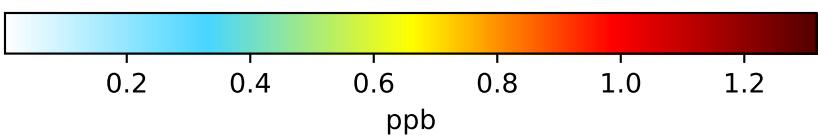
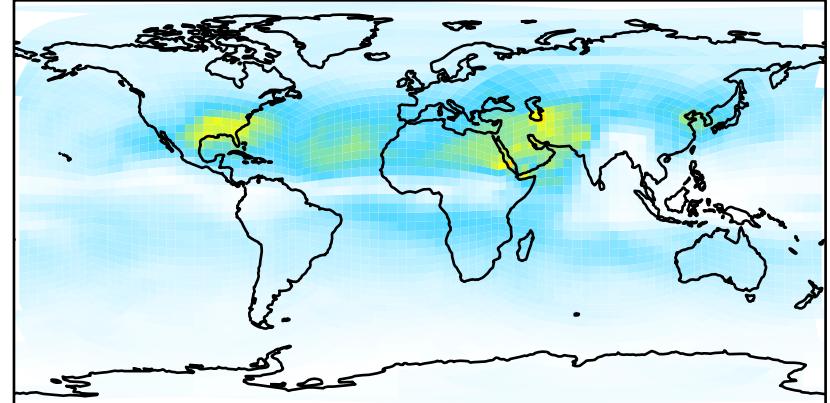


# SpeciesConc\_HNO3

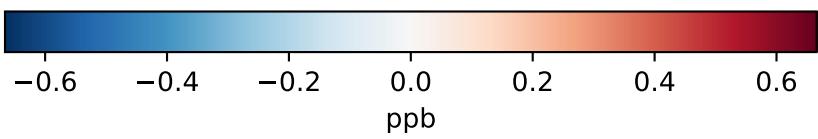
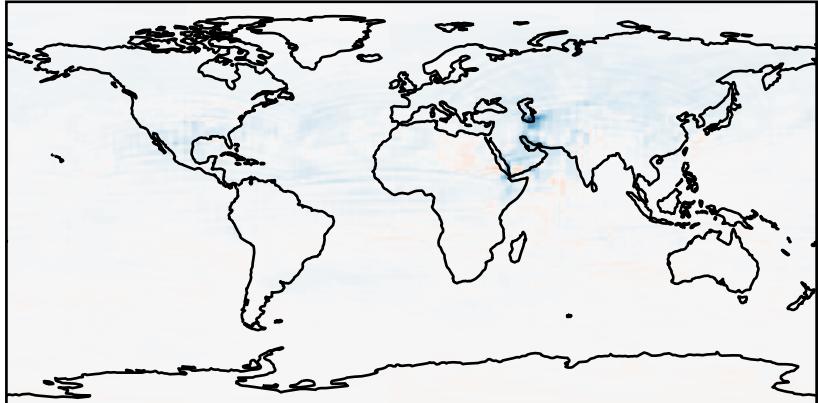
GCHP\_12.4.0 (Ref)  
c48



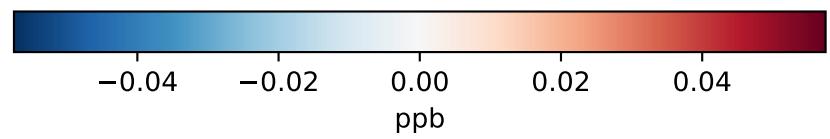
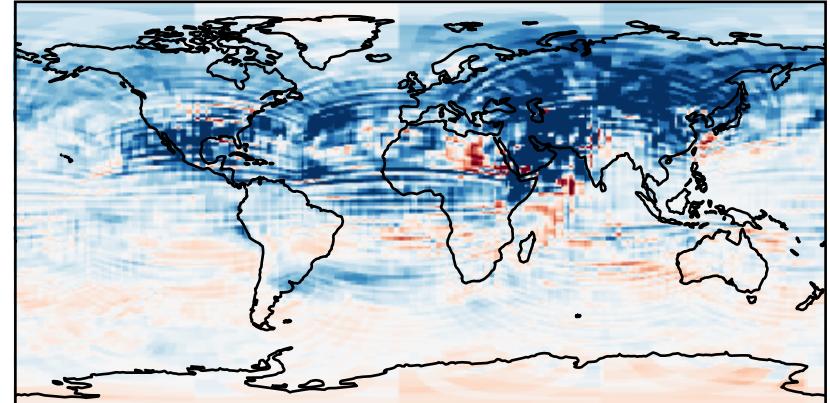
GCHP\_12.5.0\_c24 (Dev)  
c24



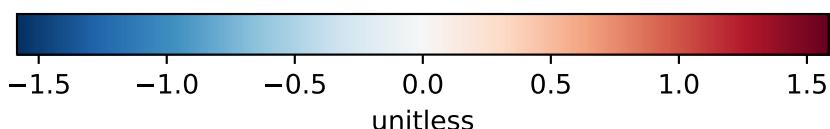
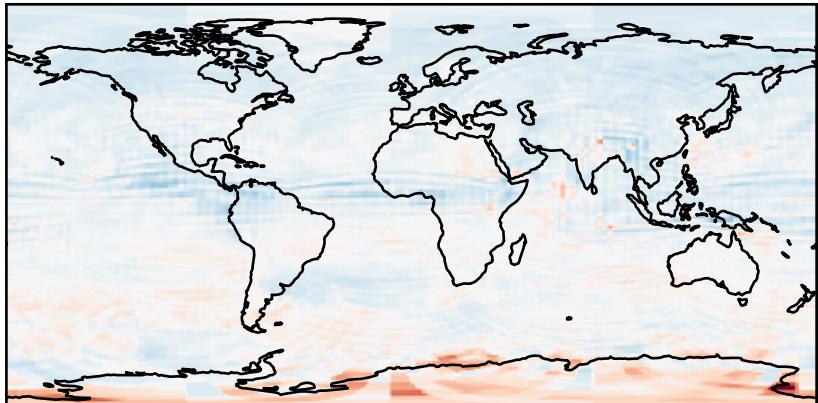
Difference (1x1.25)  
Dev - Ref, Dynamic Range



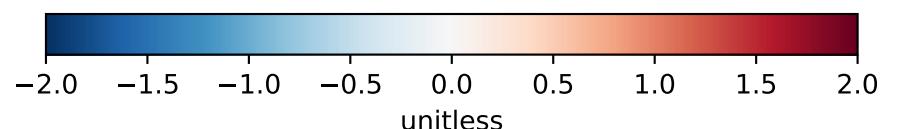
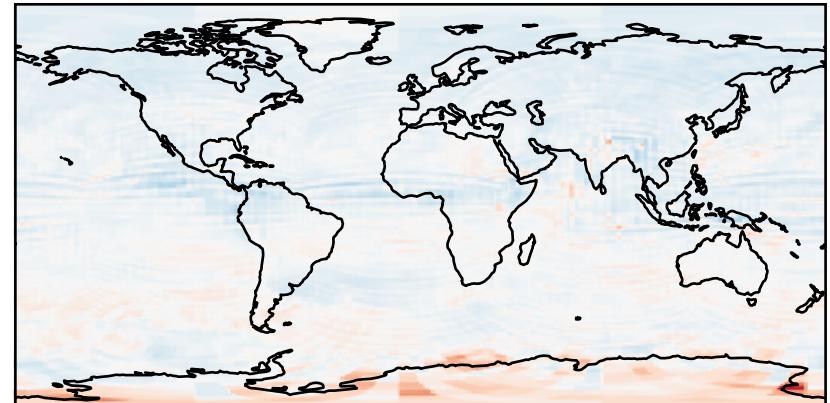
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

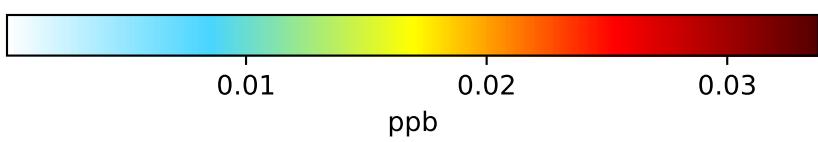
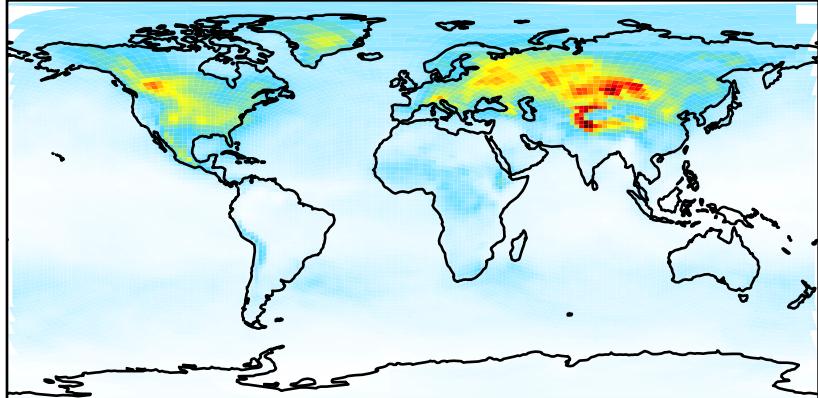


Fractional Difference (1x1.25)  
(Dev-Ref)/Ref, Fixed Range

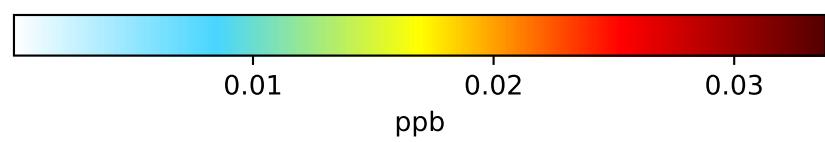
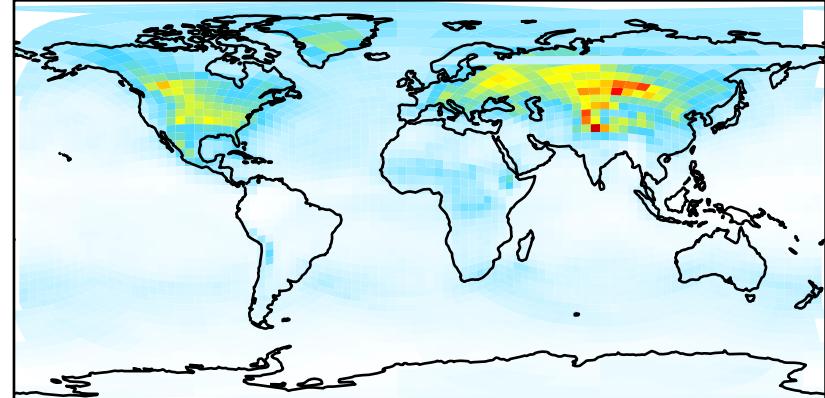


# SpeciesConc\_HNO4

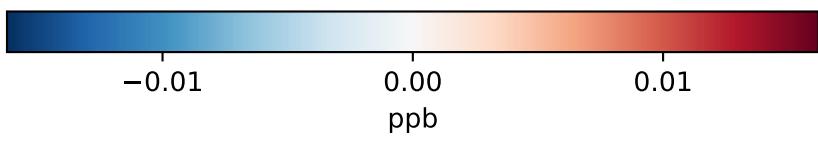
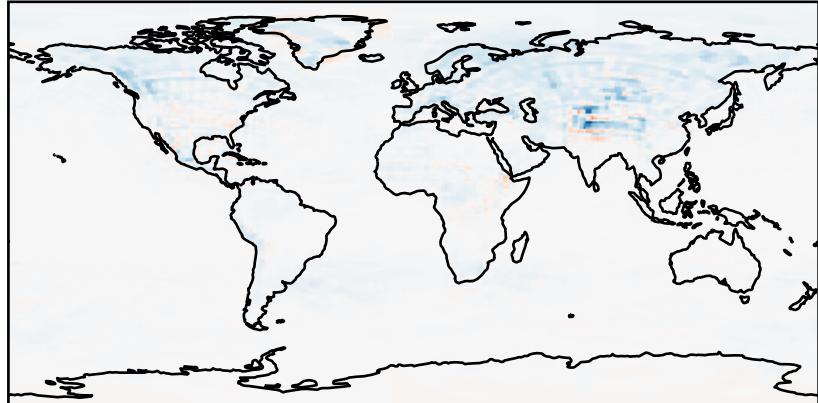
GCHP\_12.4.0 (Ref)  
c48



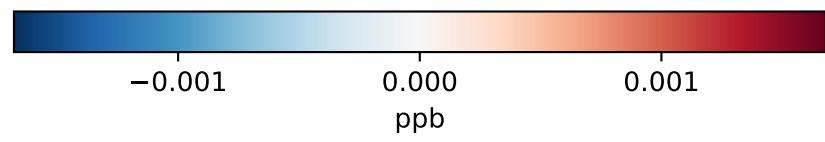
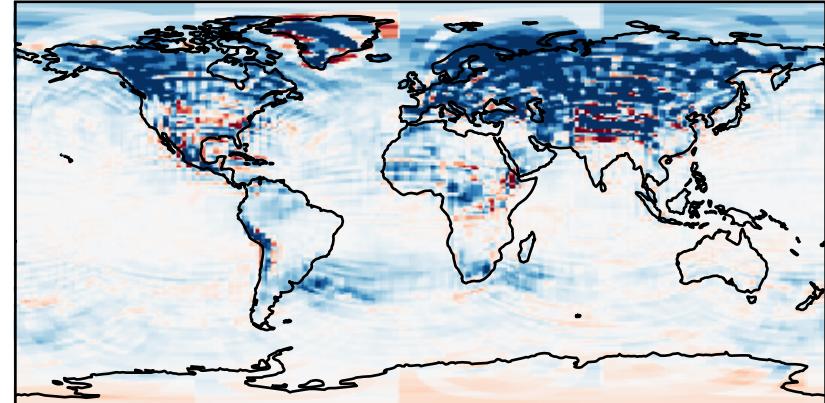
GCHP\_12.5.0\_c24 (Dev)  
c24



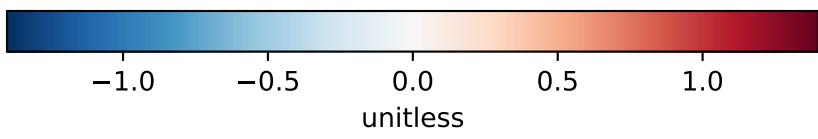
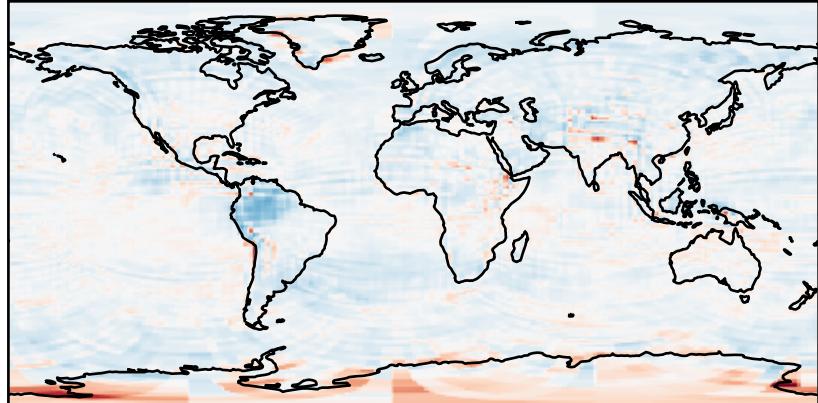
Difference (1x1.25)  
Dev - Ref, Dynamic Range



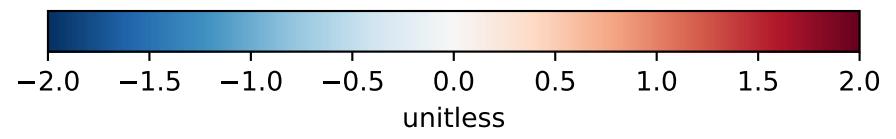
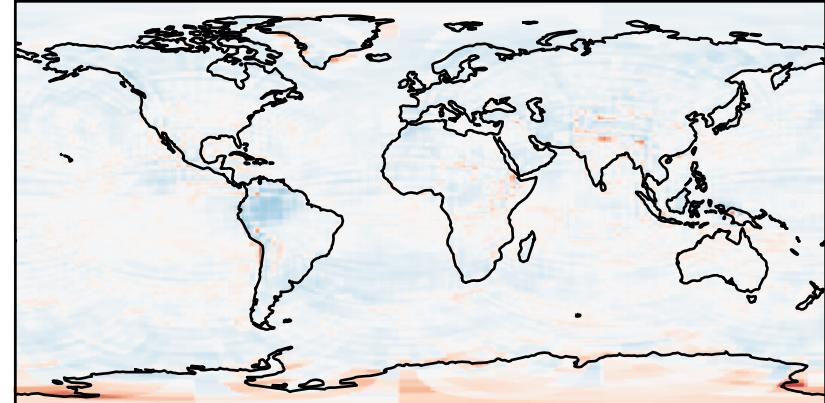
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

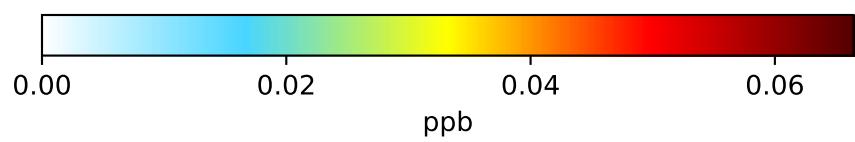
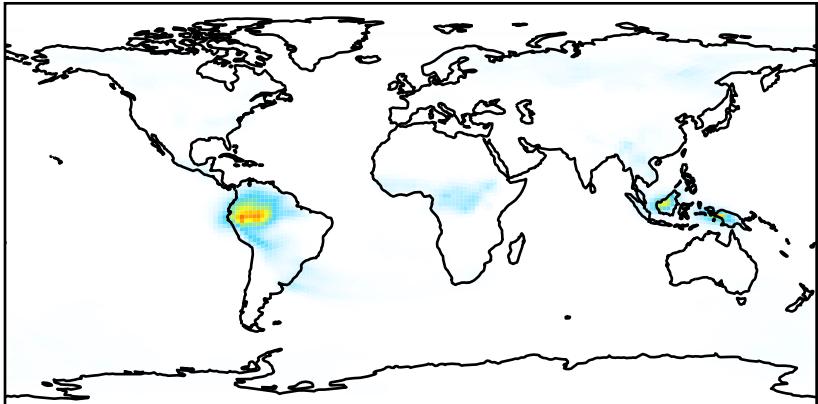


Fractional Difference (1x1.25)  
(Dev-Ref)/Ref, Fixed Range

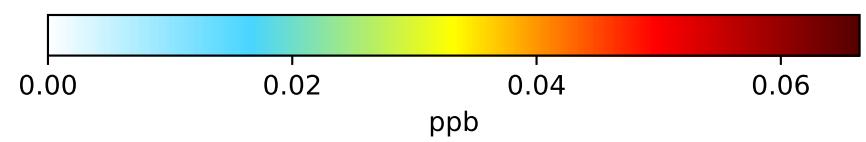
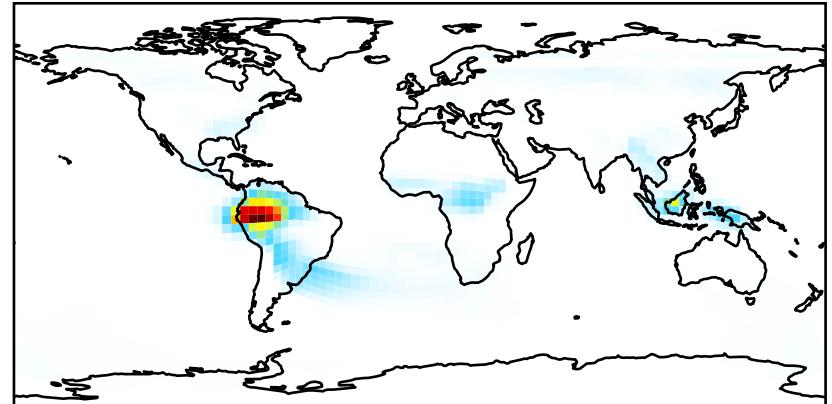


# SpeciesConc\_IPMN

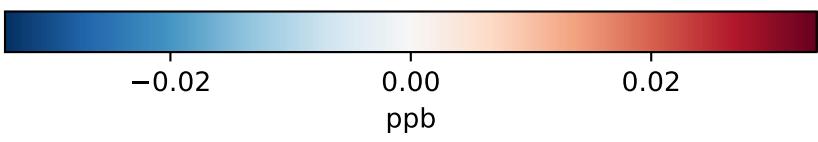
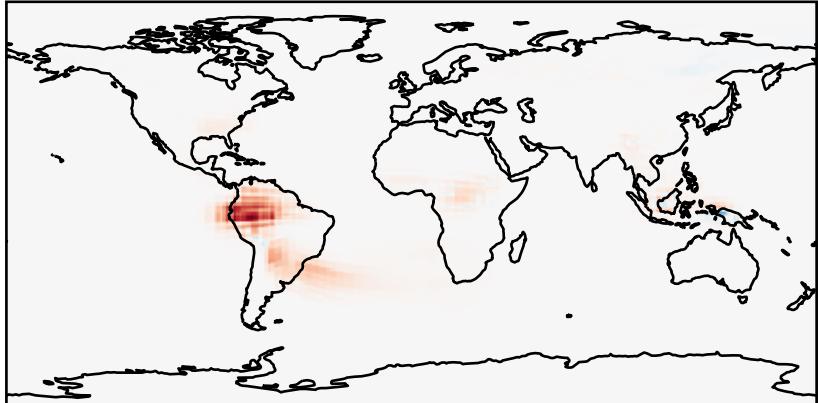
GCHP\_12.4.0 (Ref)  
c48



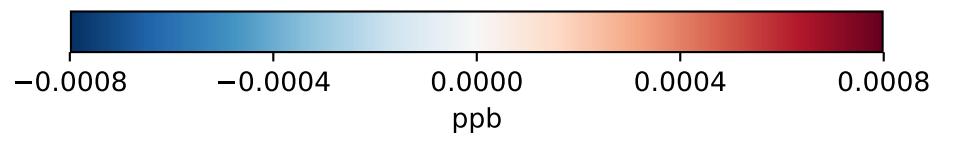
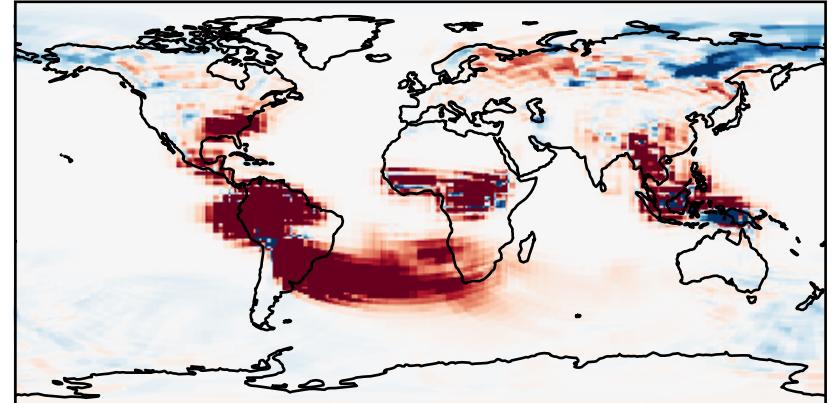
GCHP\_12.5.0\_c24 (Dev)  
c24



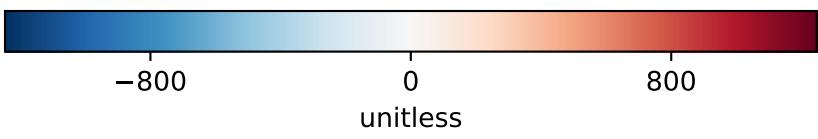
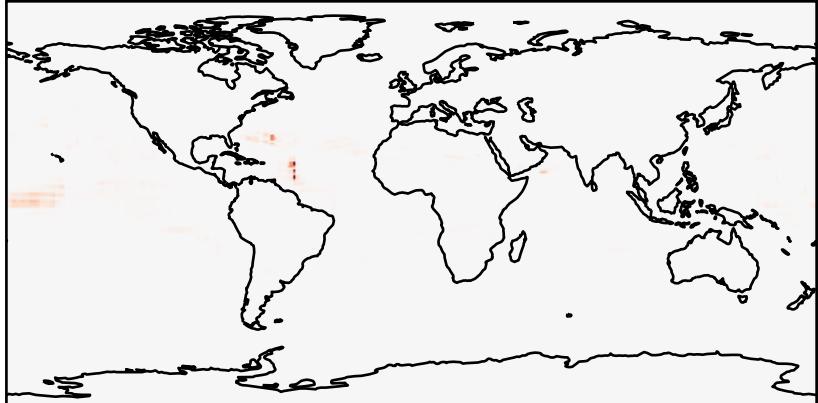
Difference (1x1.25)  
Dev - Ref, Dynamic Range



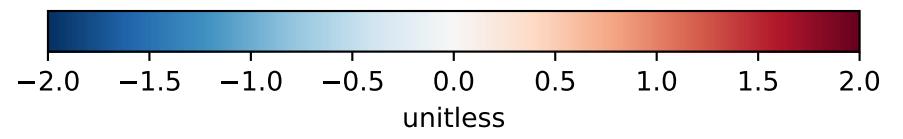
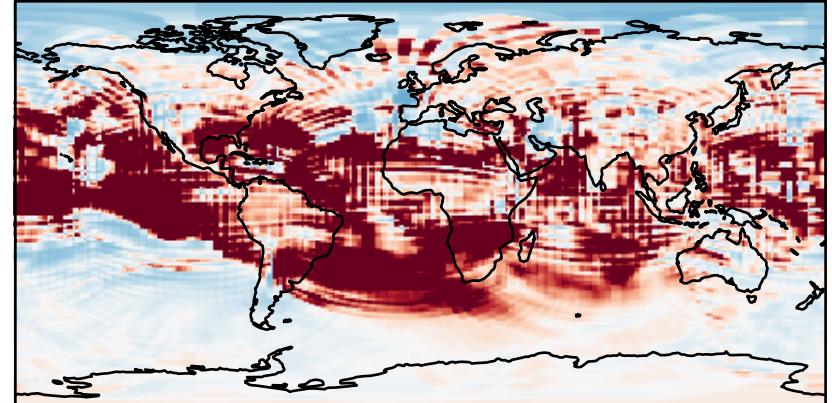
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

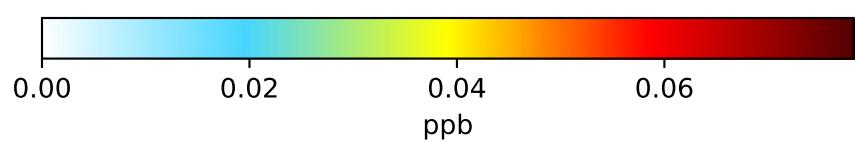
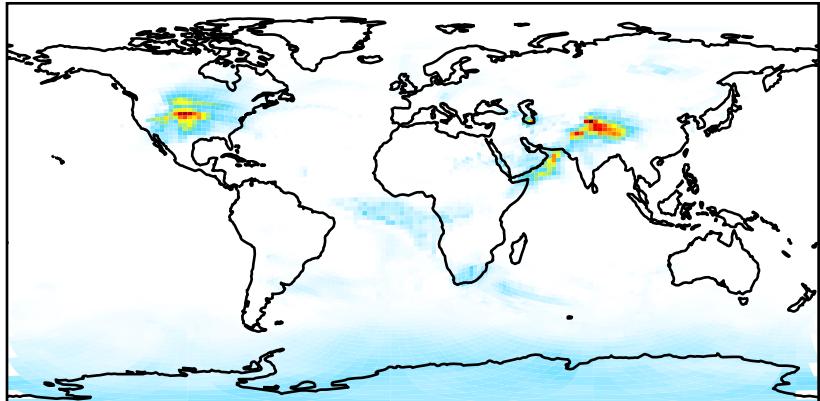


Fractional Difference (1x1.25)  
(Dev-Ref)/Ref, Fixed Range

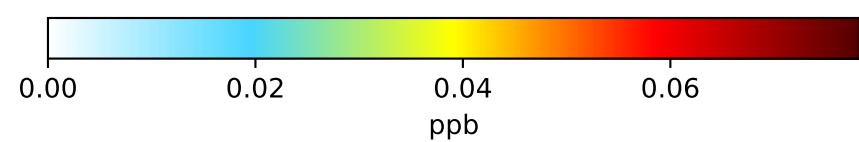
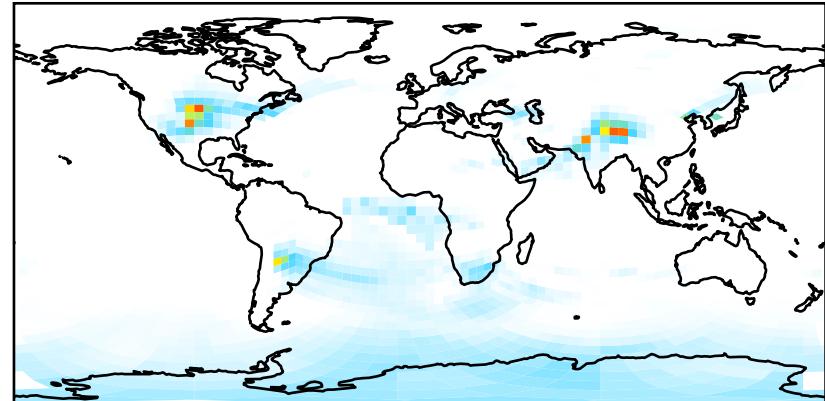


# SpeciesConc\_NIT

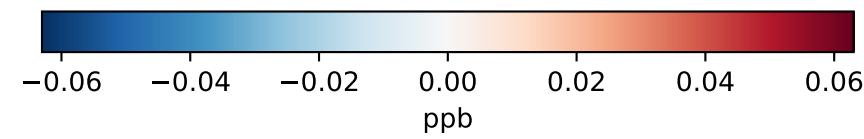
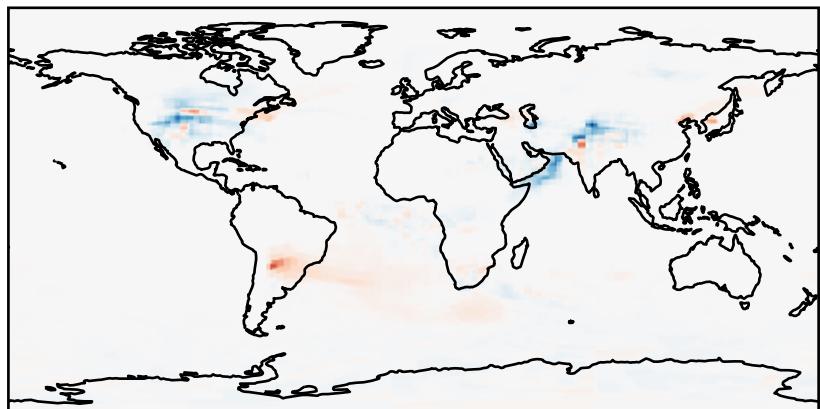
GCHP\_12.4.0 (Ref)  
c48



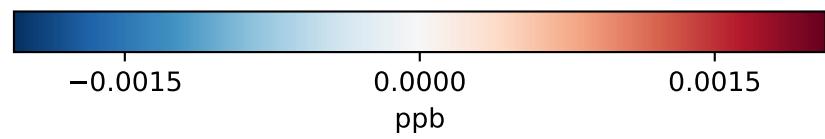
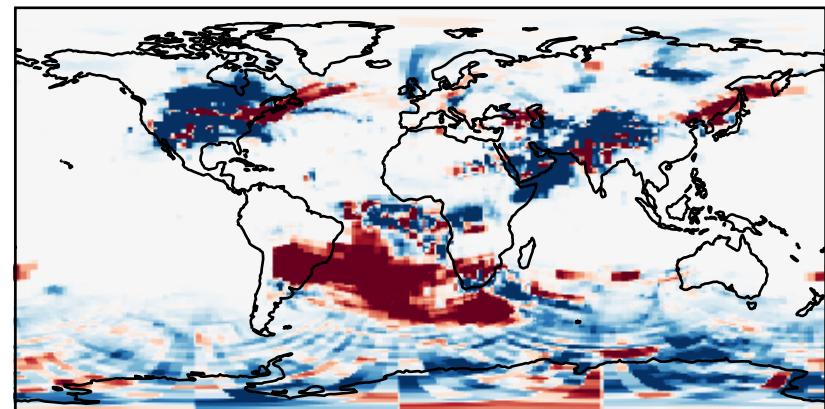
GCHP\_12.5.0\_c24 (Dev)  
c24



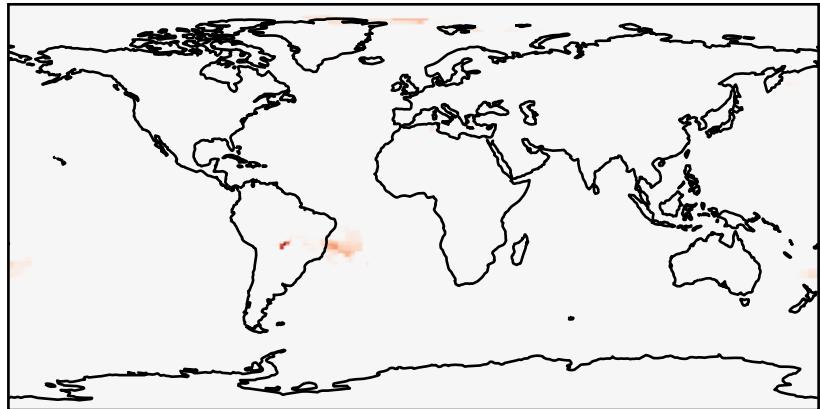
Difference (1x1.25)  
Dev - Ref, Dynamic Range



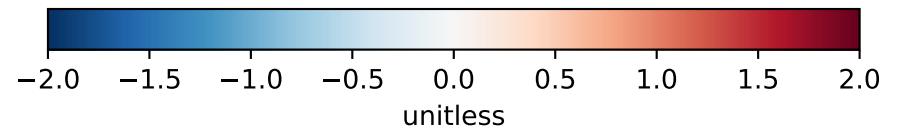
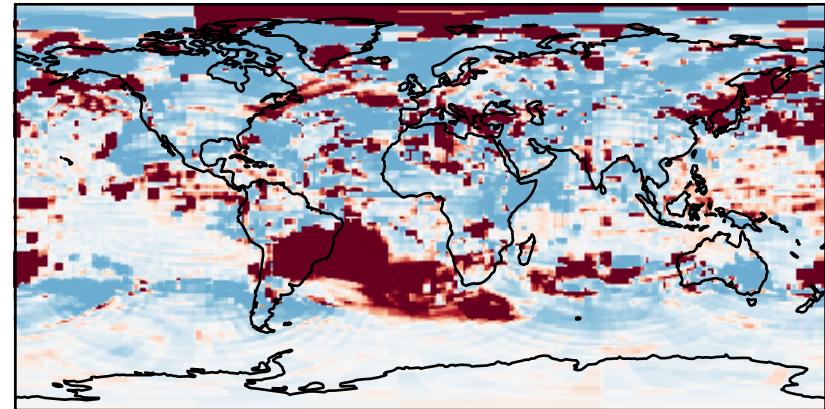
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

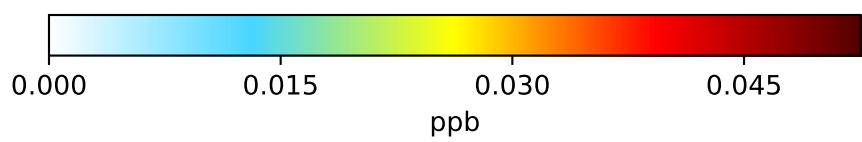
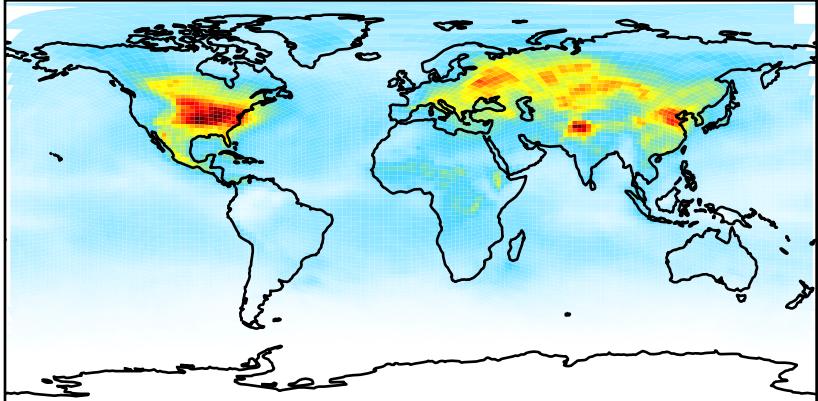


Fractional Difference (1x1.25)  
(Dev-Ref)/Ref, Fixed Range

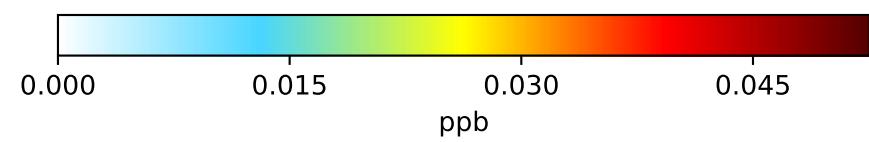
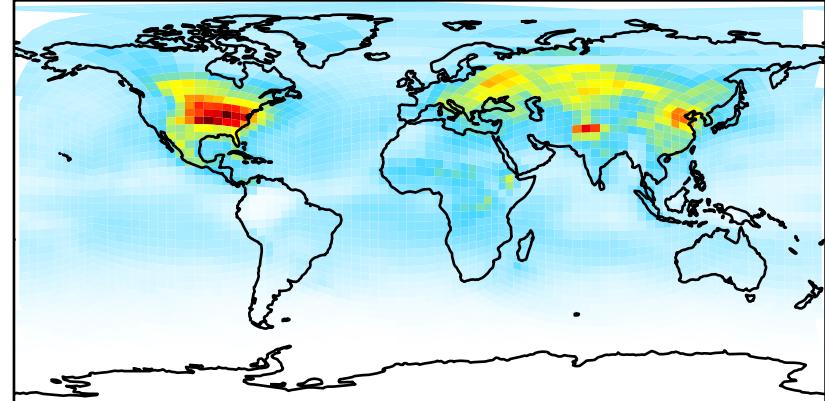


# SpeciesConc\_NO

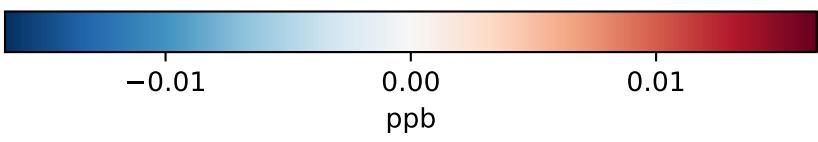
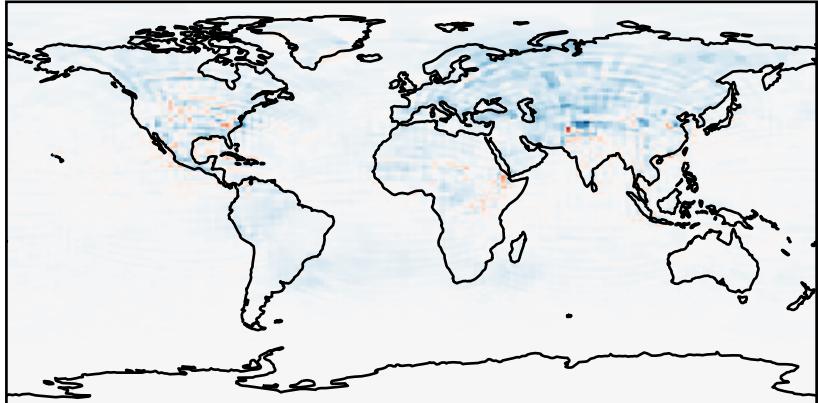
GCHP\_12.4.0 (Ref)  
c48



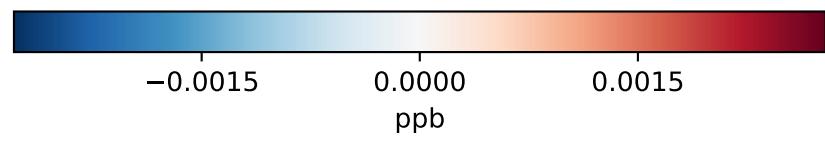
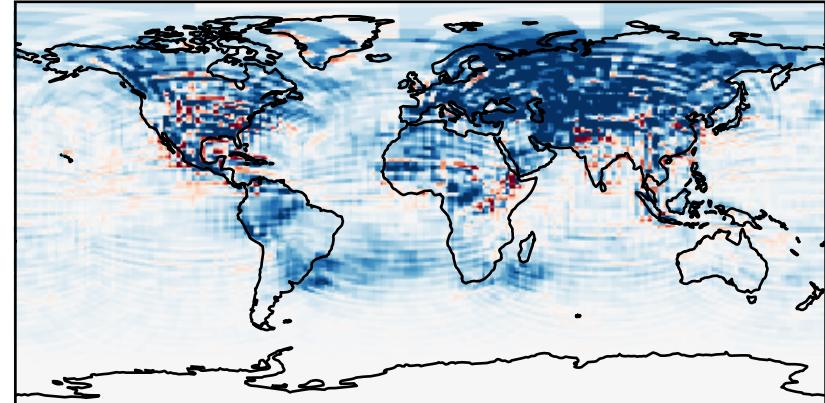
GCHP\_12.5.0\_c24 (Dev)  
c24



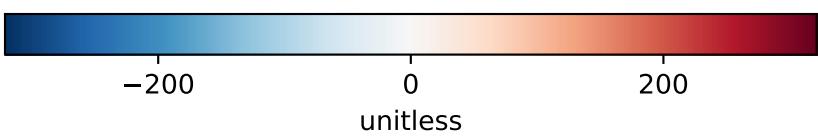
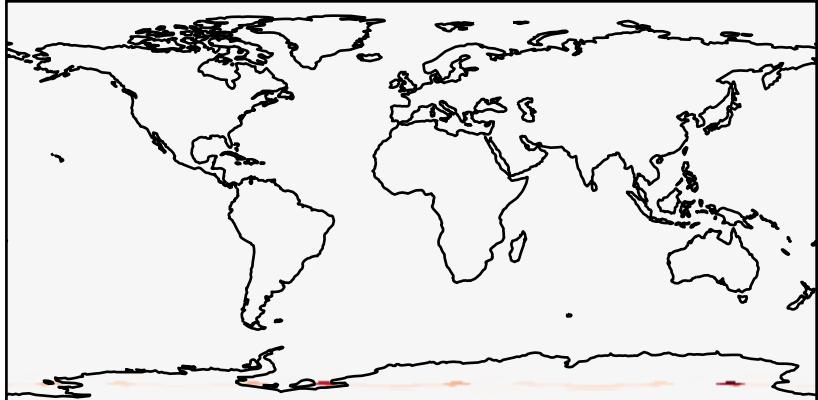
Difference (1x1.25)  
Dev - Ref, Dynamic Range



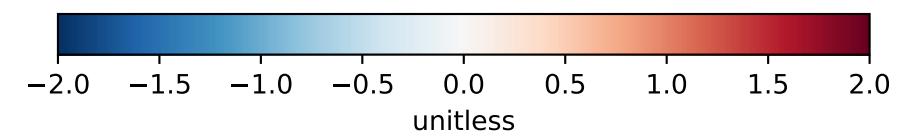
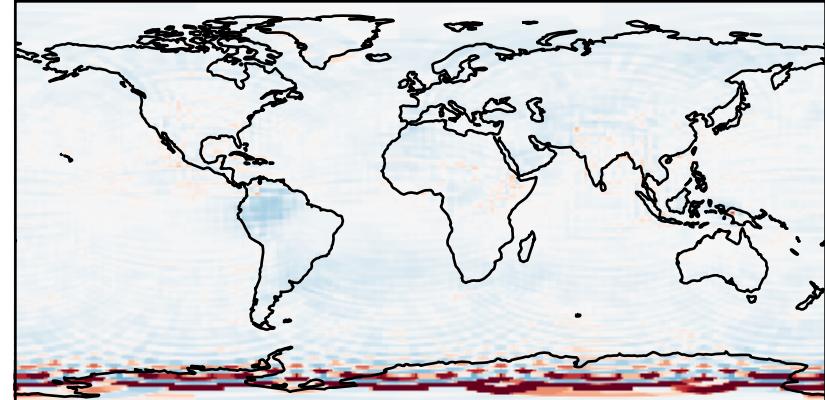
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

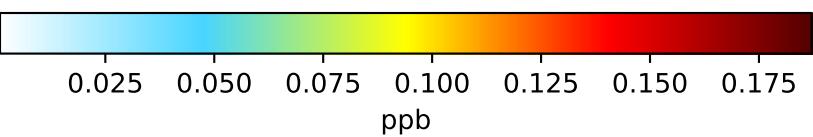
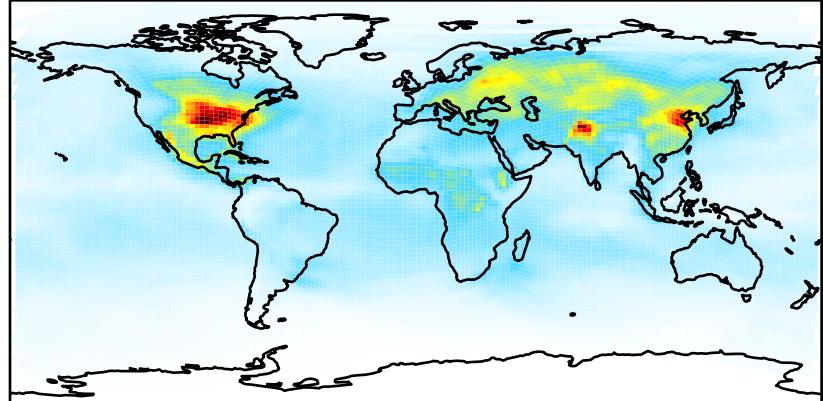


Fractional Difference (1x1.25)  
(Dev-Ref)/Ref, Fixed Range

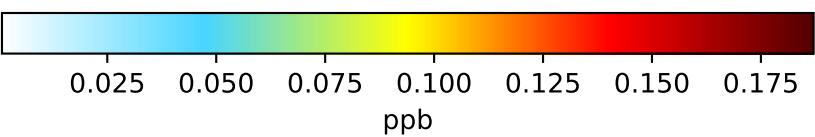
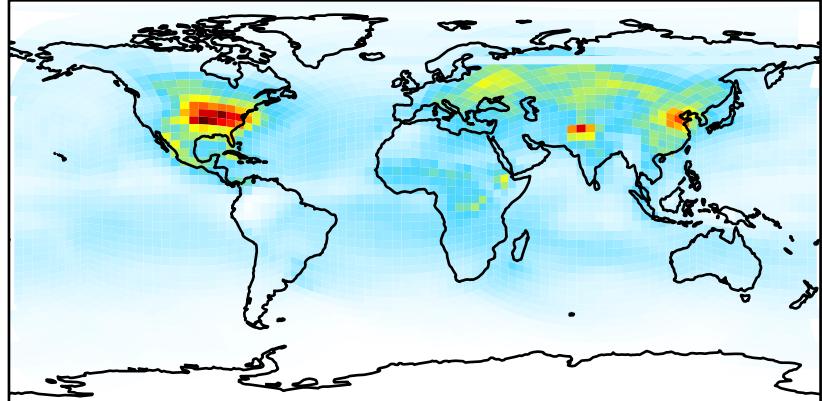


# SpeciesConc\_NO2

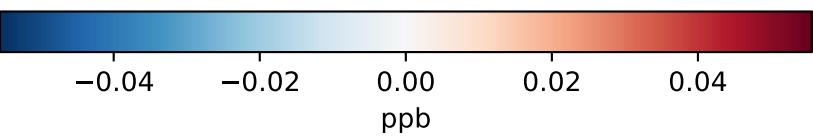
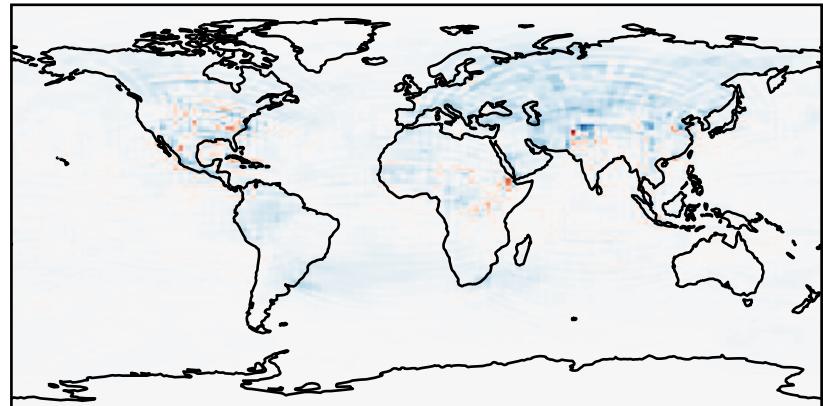
GCHP\_12.4.0 (Ref)  
c48



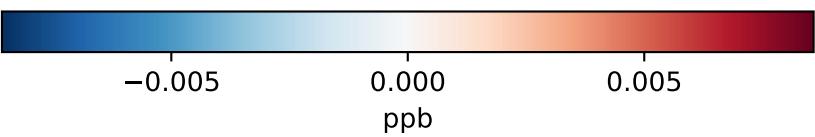
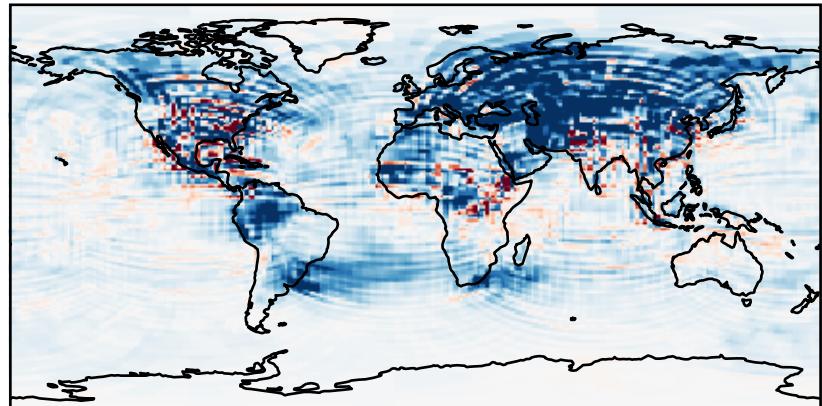
GCHP\_12.5.0\_c24 (Dev)  
c24



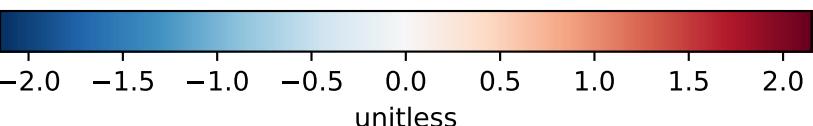
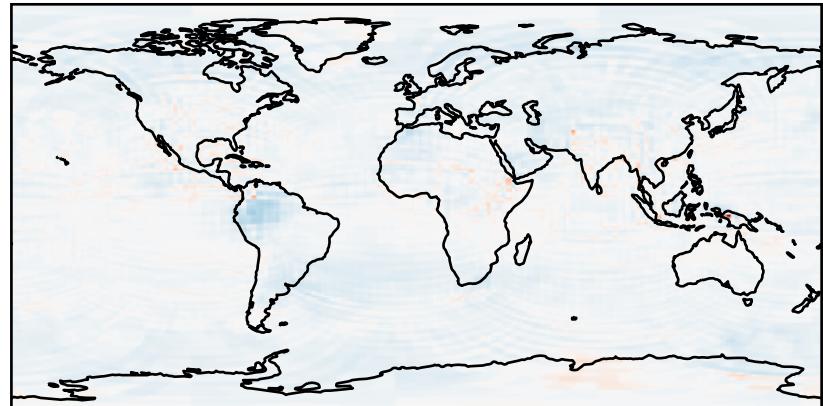
Difference (1x1.25)  
Dev - Ref, Dynamic Range



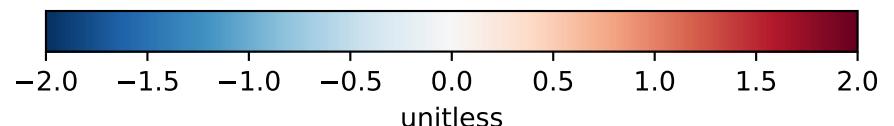
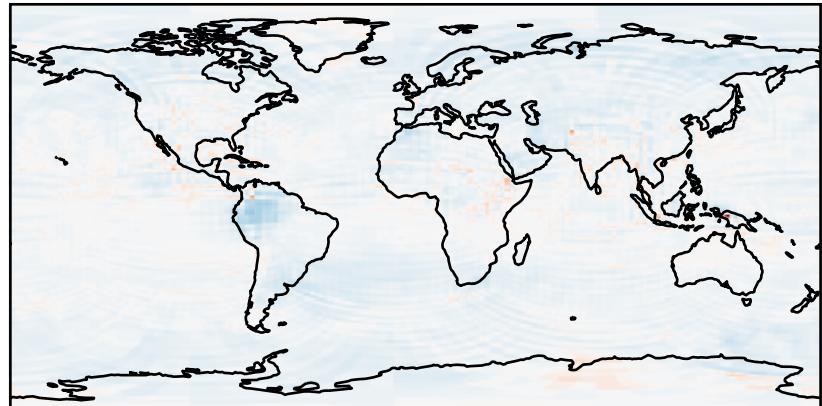
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

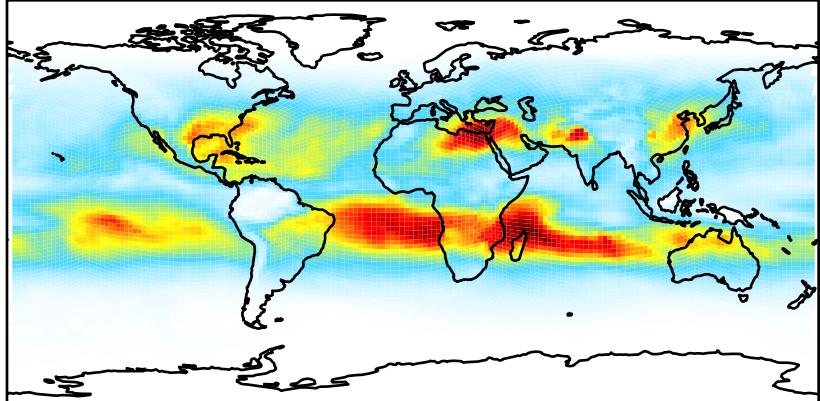


Fractional Difference (1x1.25)  
(Dev-Ref)/Ref, Fixed Range

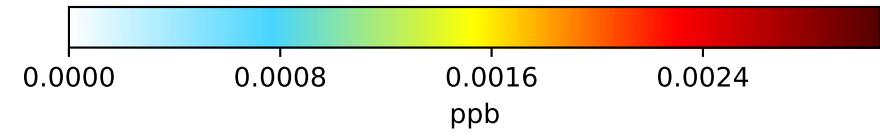
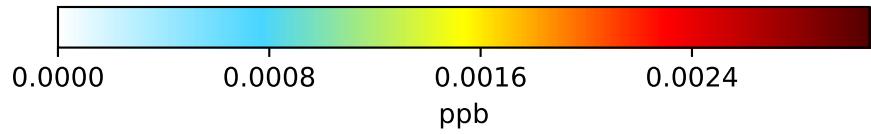
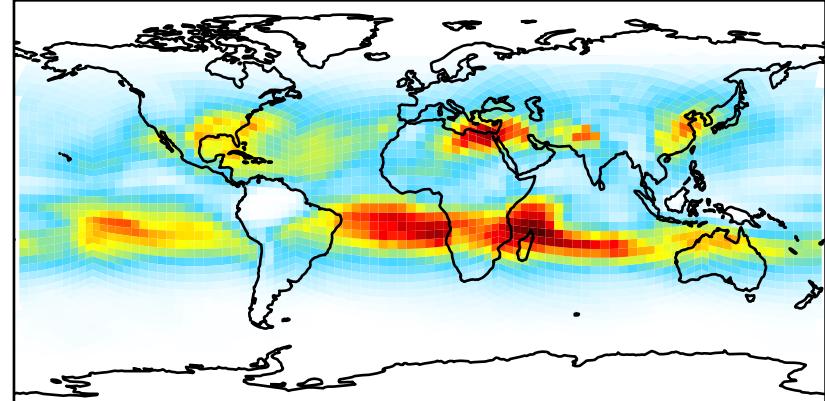


# SpeciesConc\_NO3

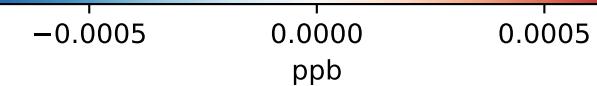
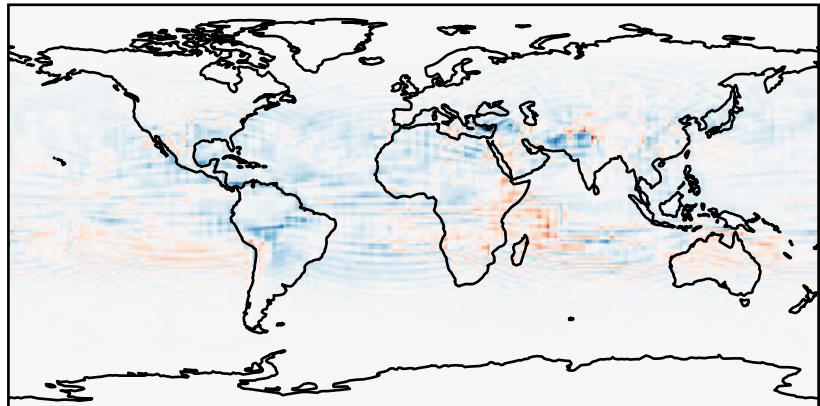
GCHP\_12.4.0 (Ref)  
c48



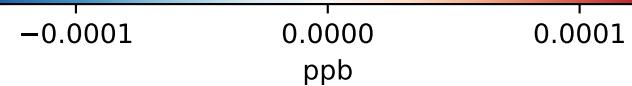
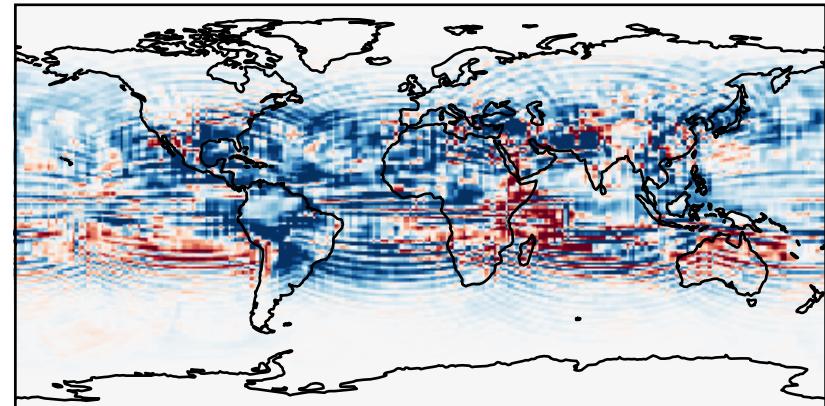
GCHP\_12.5.0\_c24 (Dev)  
c24



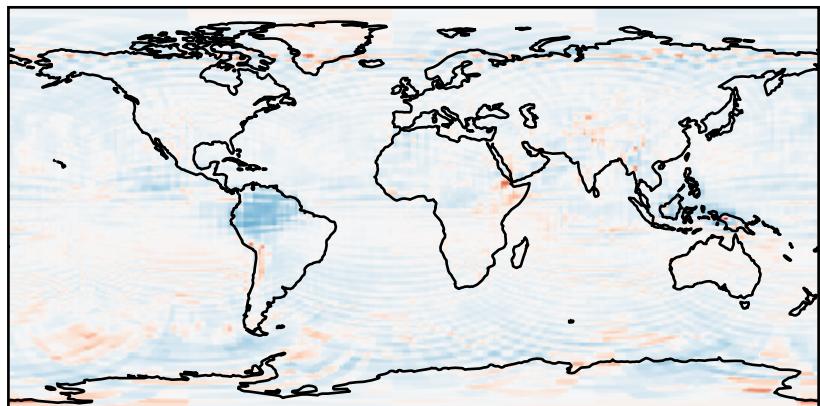
Difference (1x1.25)  
Dev - Ref, Dynamic Range



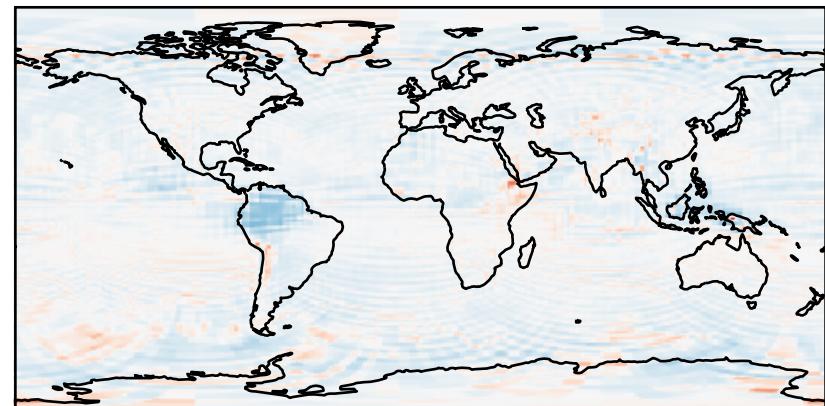
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

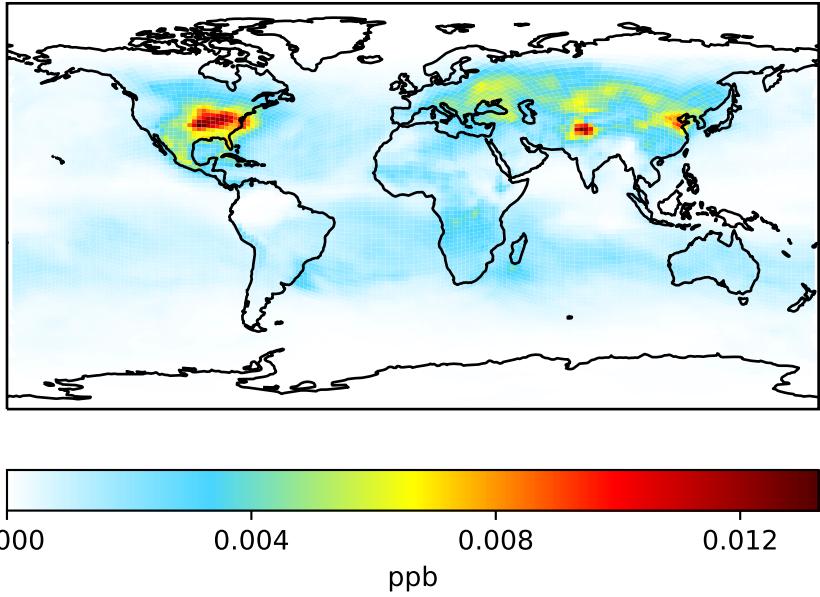


Fractional Difference (1x1.25)  
(Dev-Ref)/Ref, Fixed Range

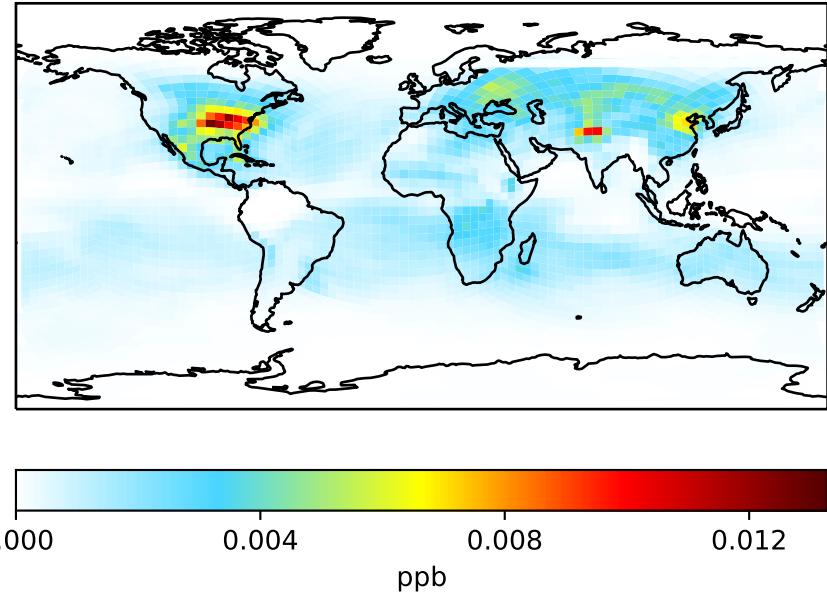


# SpeciesConc\_N2O5

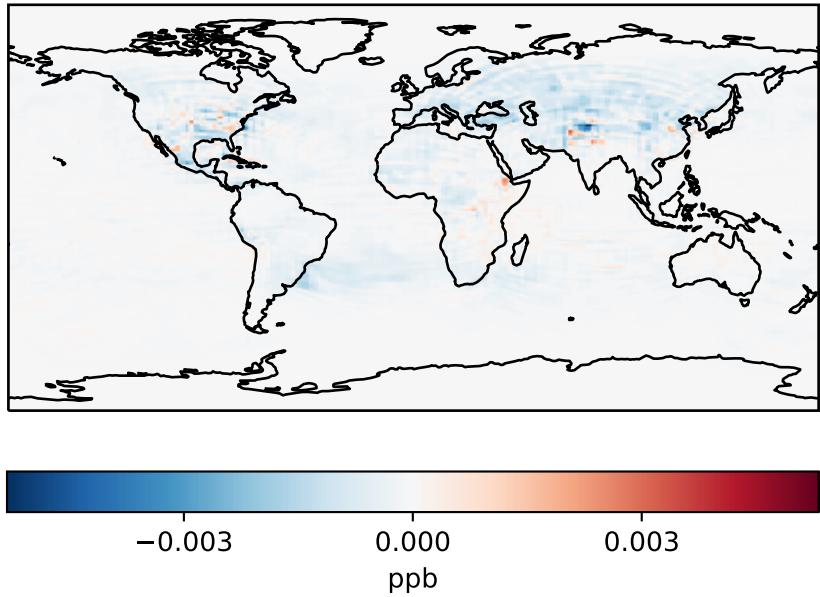
GCHP\_12.4.0 (Ref)  
c48



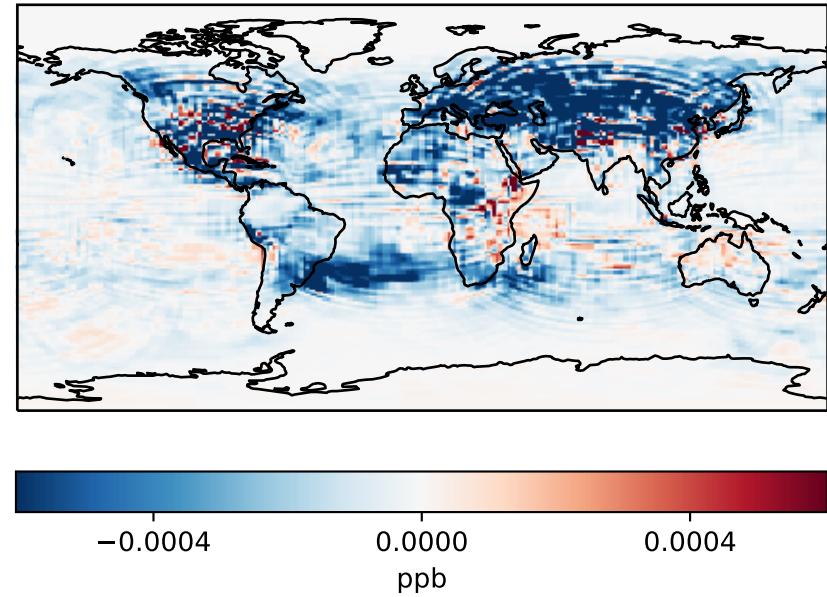
GCHP\_12.5.0\_c24 (Dev)  
c24



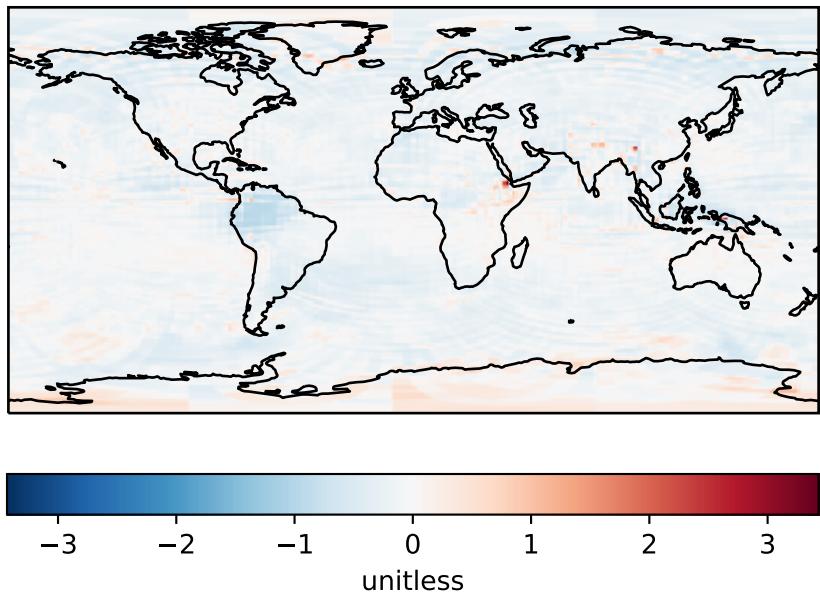
Difference (1x1.25)  
Dev - Ref, Dynamic Range



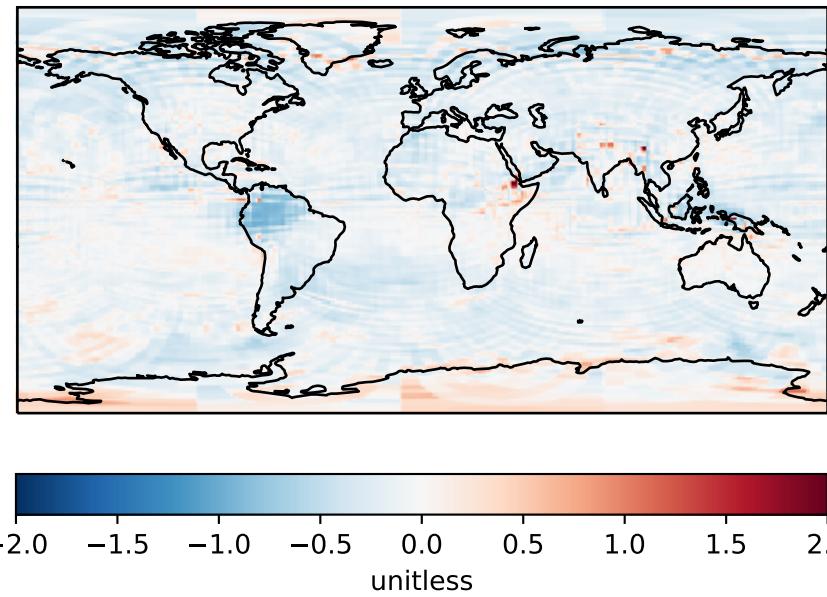
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

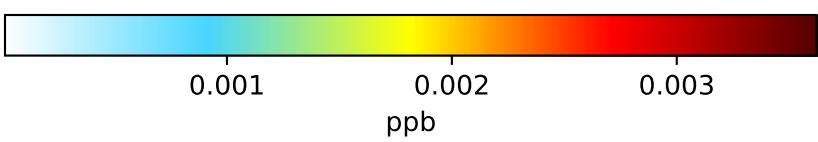
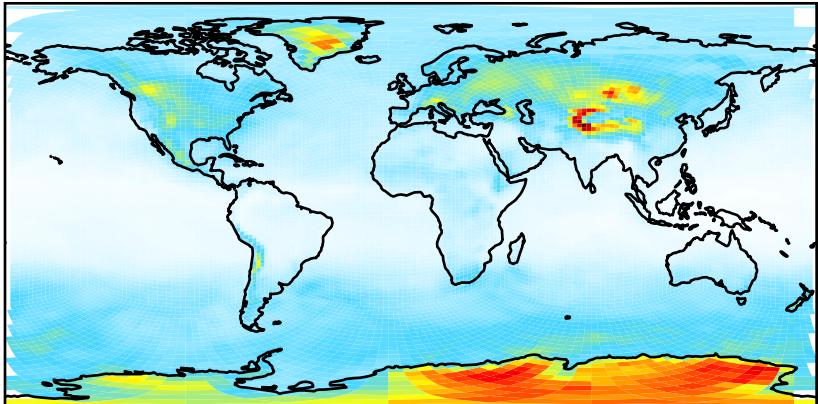


Fractional Difference (1x1.25)  
(Dev-Ref)/Ref, Fixed Range

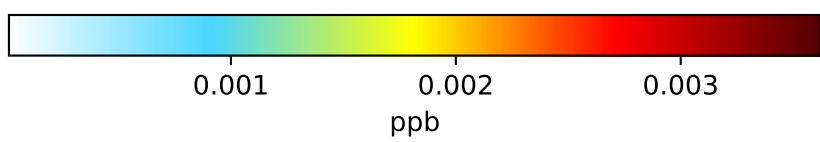
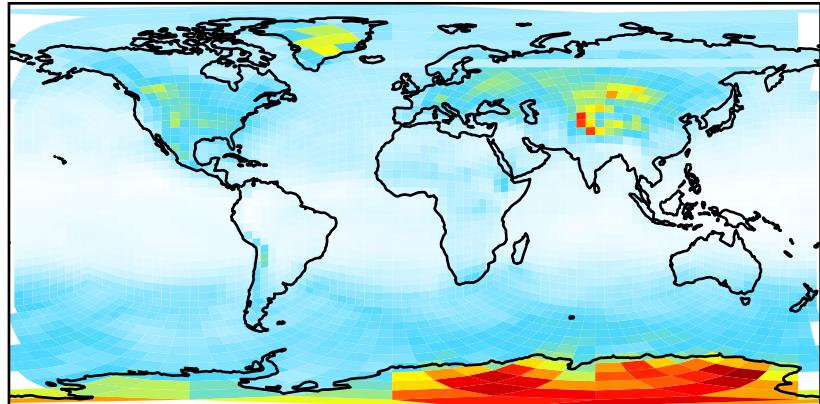


# SpeciesConc\_MPN

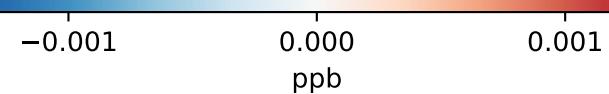
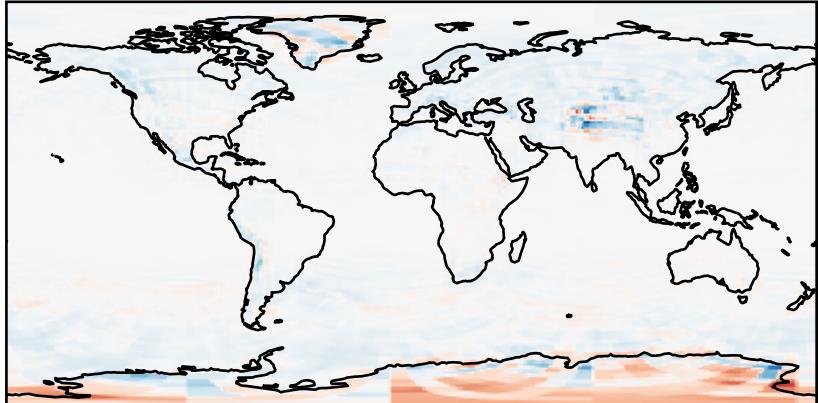
GCHP\_12.4.0 (Ref)  
c48



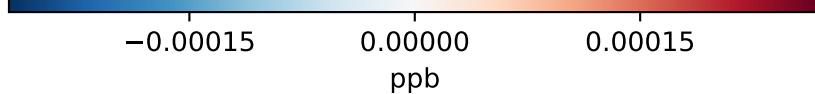
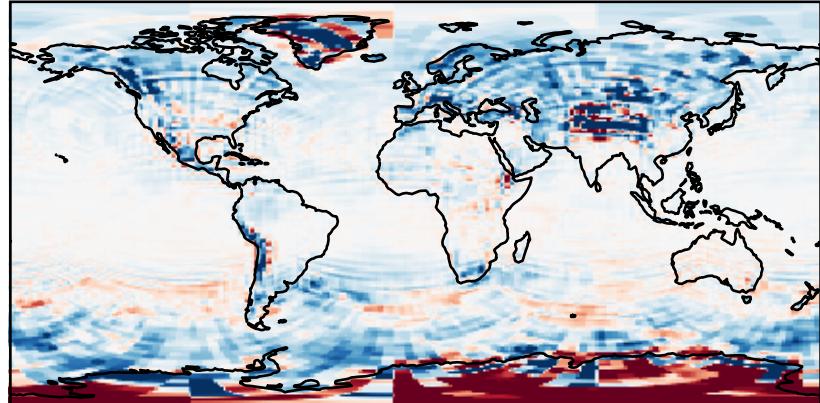
GCHP\_12.5.0\_c24 (Dev)  
c24



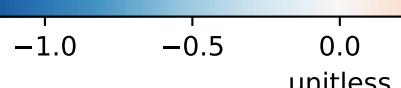
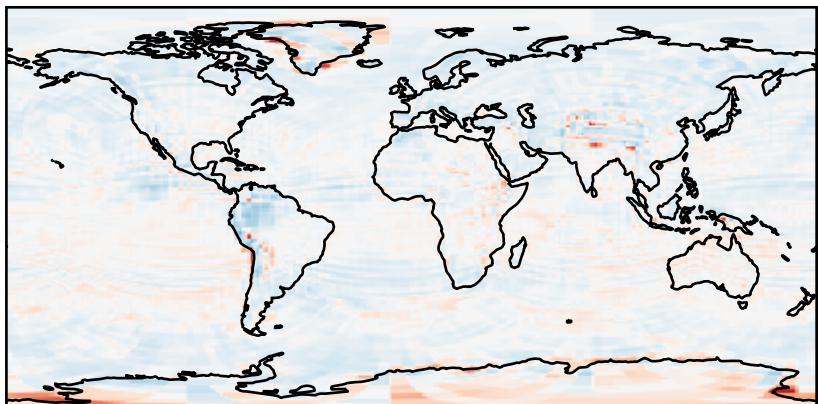
Difference (1x1.25)  
Dev - Ref, Dynamic Range



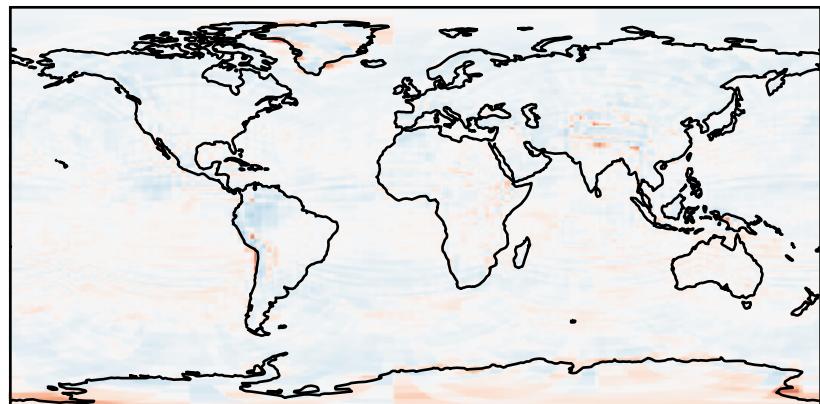
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

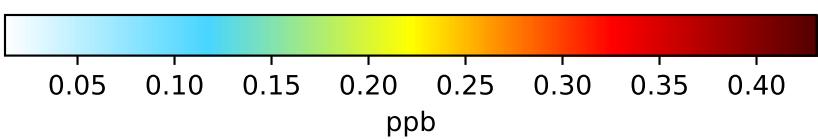
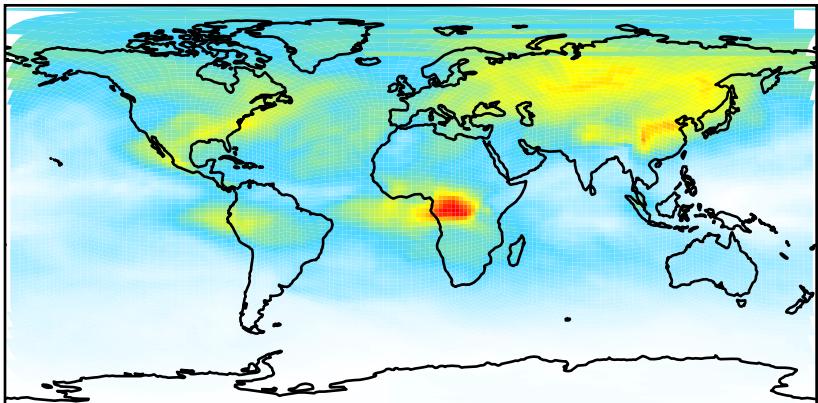


Fractional Difference (1x1.25)  
(Dev-Ref)/Ref, Fixed Range

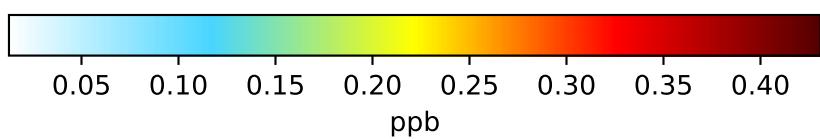
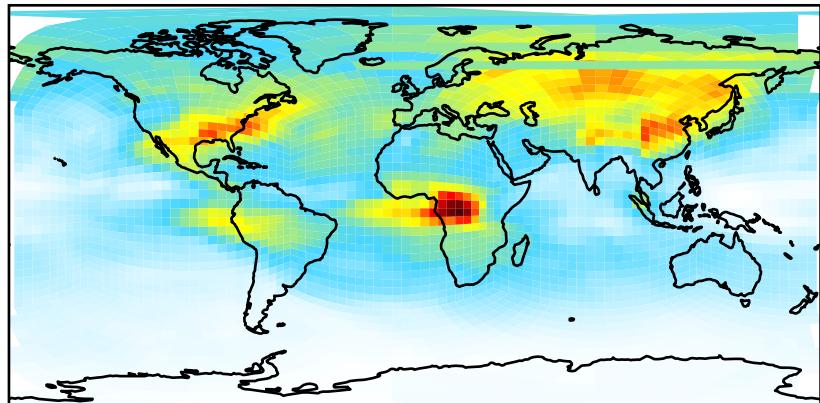


# SpeciesConc\_PAN

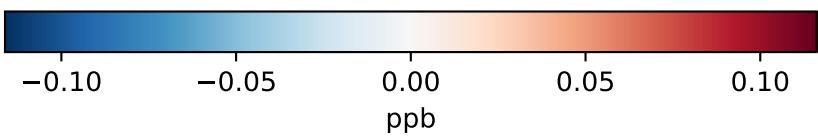
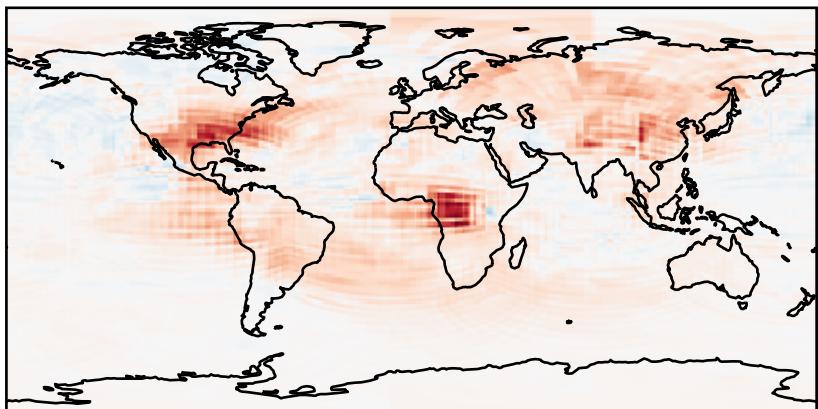
GCHP\_12.4.0 (Ref)  
c48



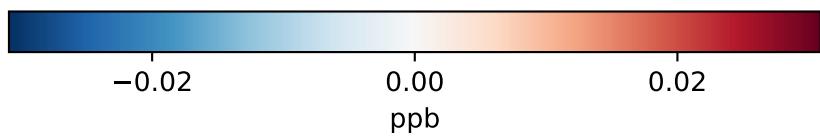
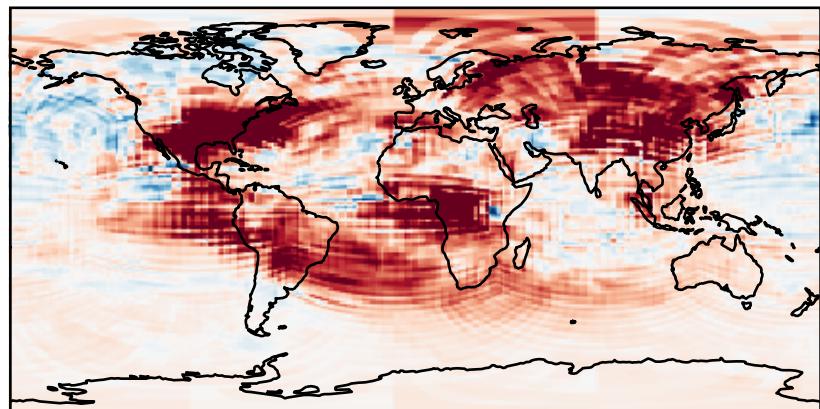
GCHP\_12.5.0\_c24 (Dev)  
c24



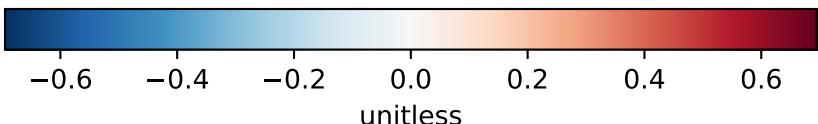
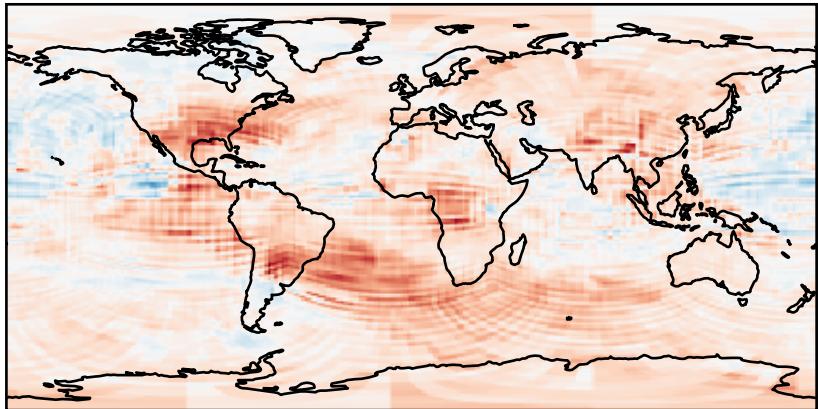
Difference (1x1.25)  
Dev - Ref, Dynamic Range



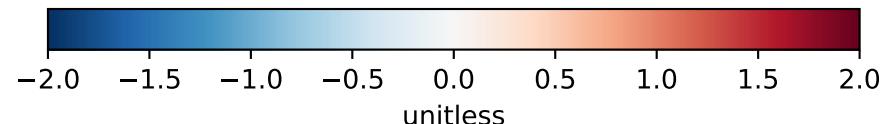
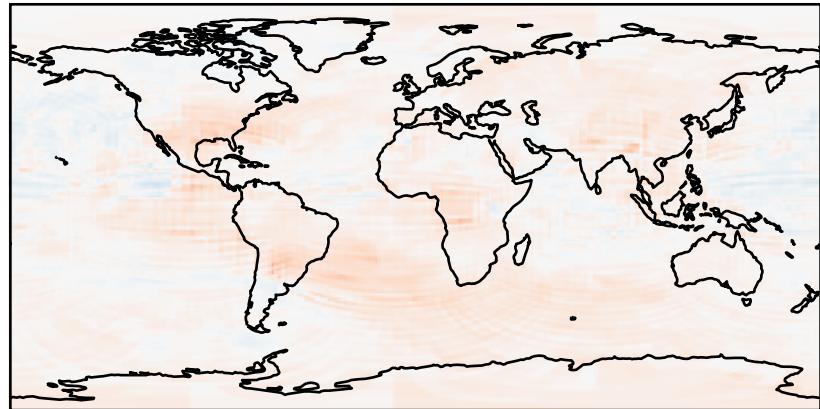
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

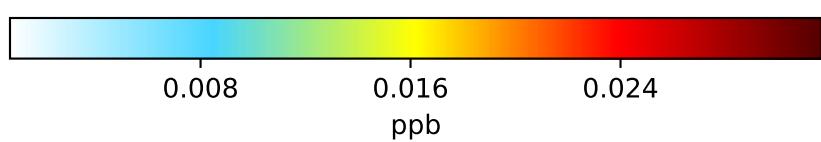
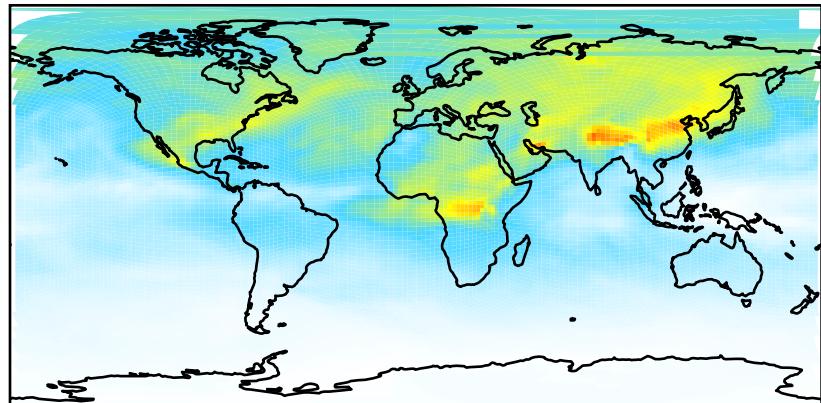


Fractional Difference (1x1.25)  
(Dev-Ref)/Ref, Fixed Range

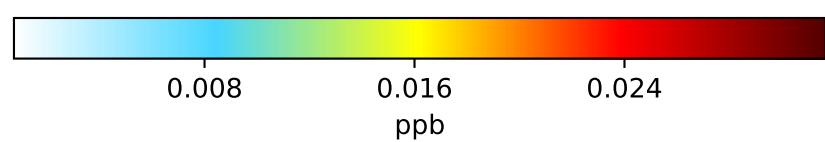
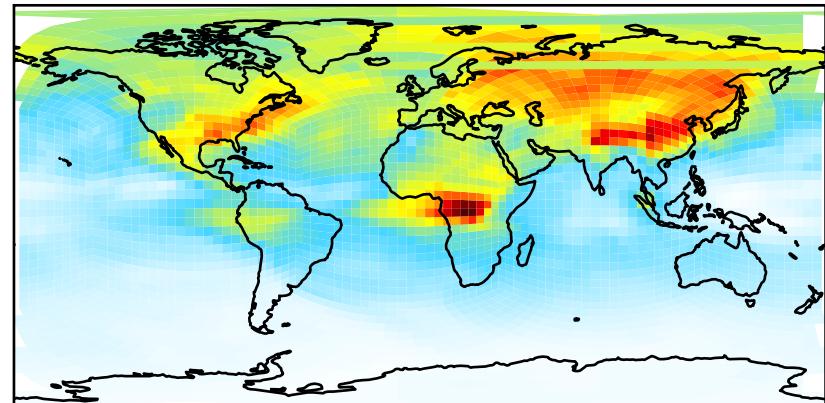


# SpeciesConc\_PPN

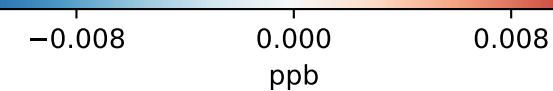
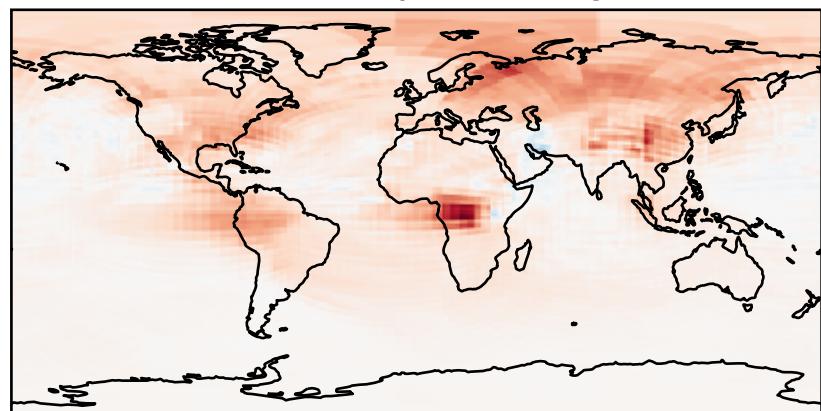
GCHP\_12.4.0 (Ref)  
c48



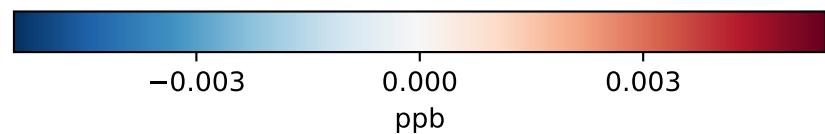
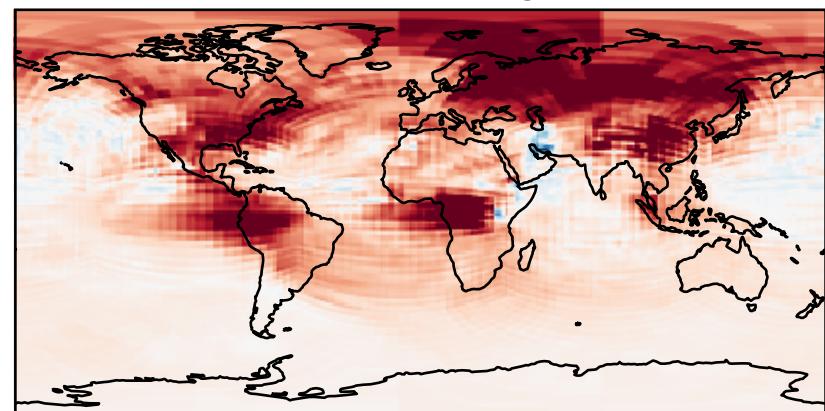
GCHP\_12.5.0\_c24 (Dev)  
c24



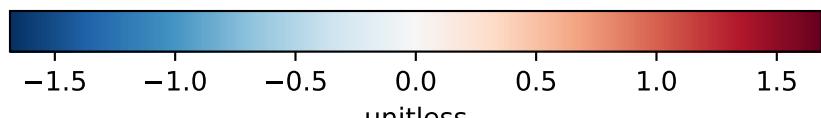
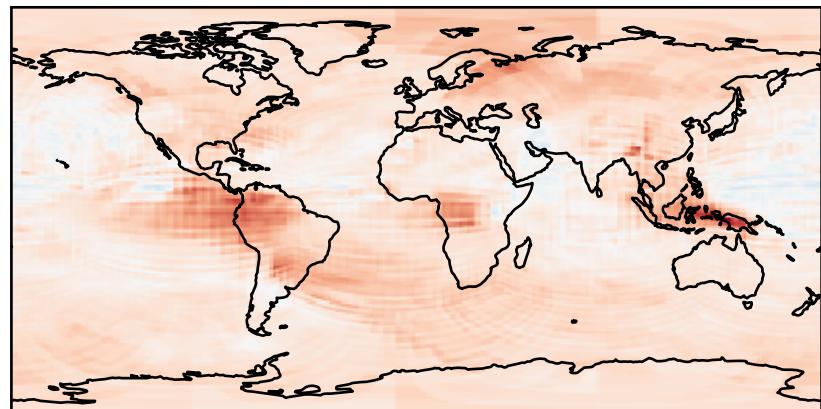
Difference (1x1.25)  
Dev - Ref, Dynamic Range



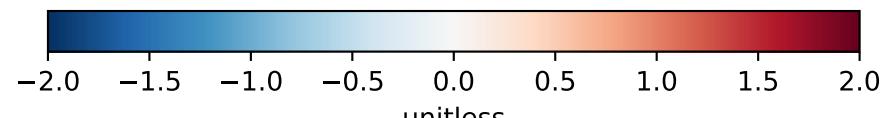
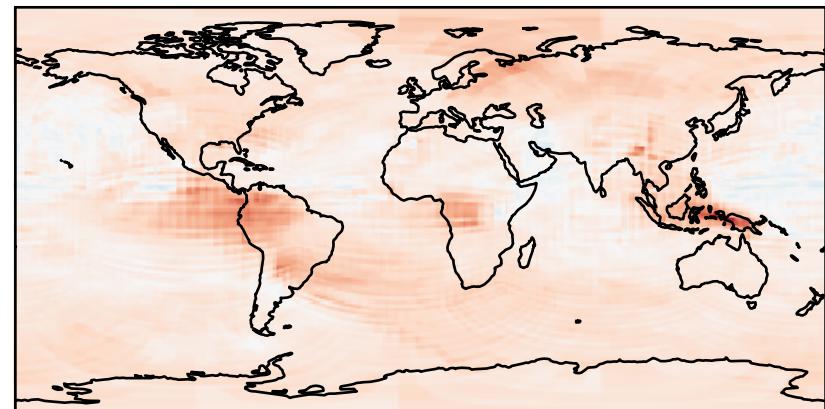
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

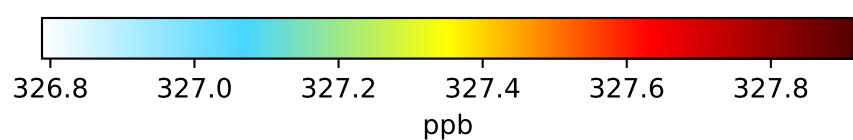
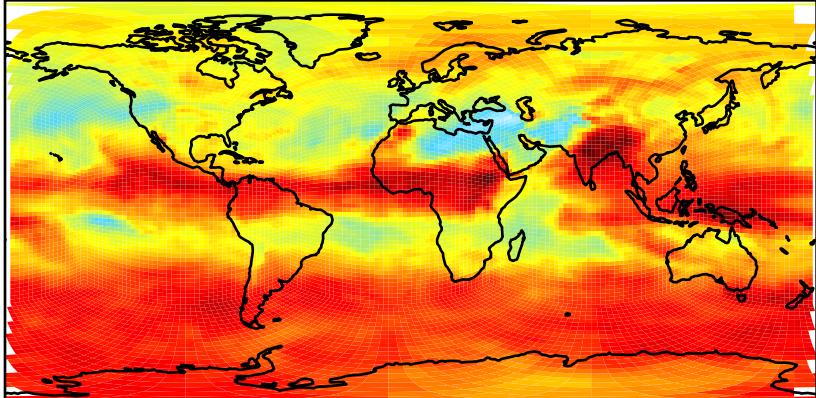


Fractional Difference (1x1.25)  
(Dev-Ref)/Ref, Fixed Range

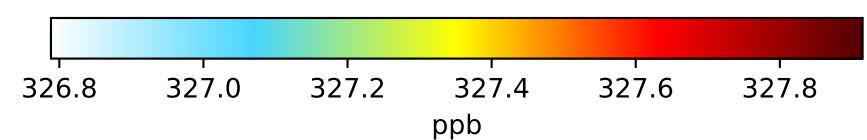
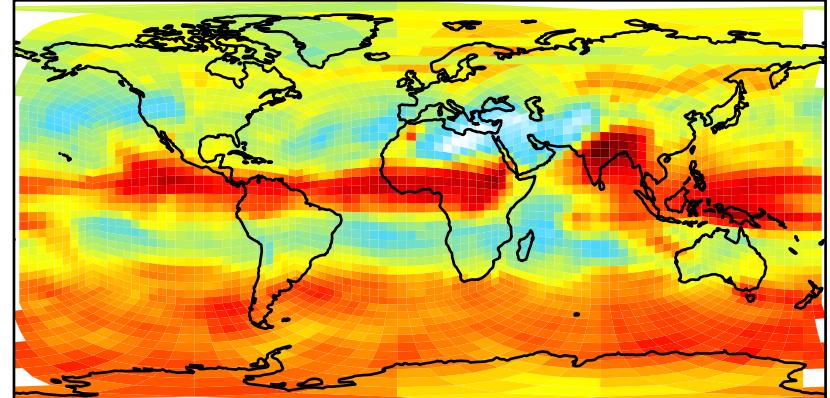


# SpeciesConc\_N2O

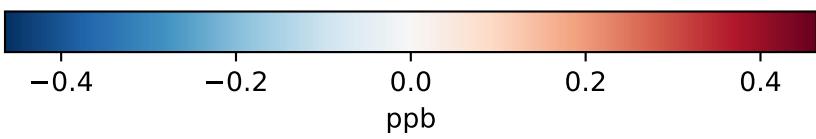
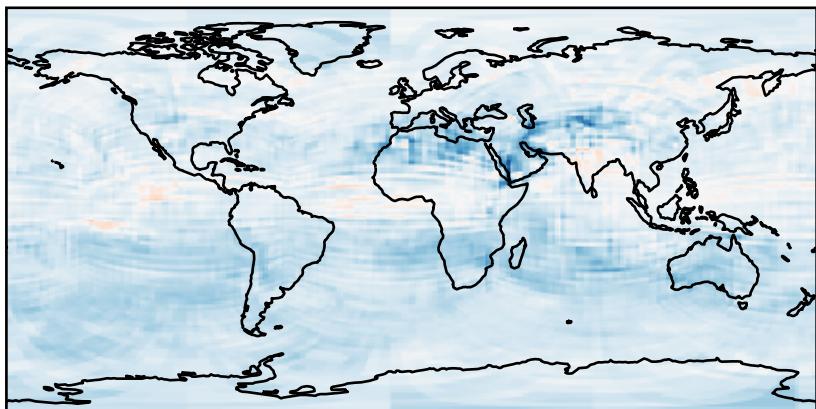
GCHP\_12.4.0 (Ref)  
c48



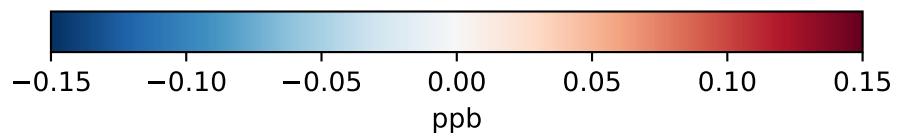
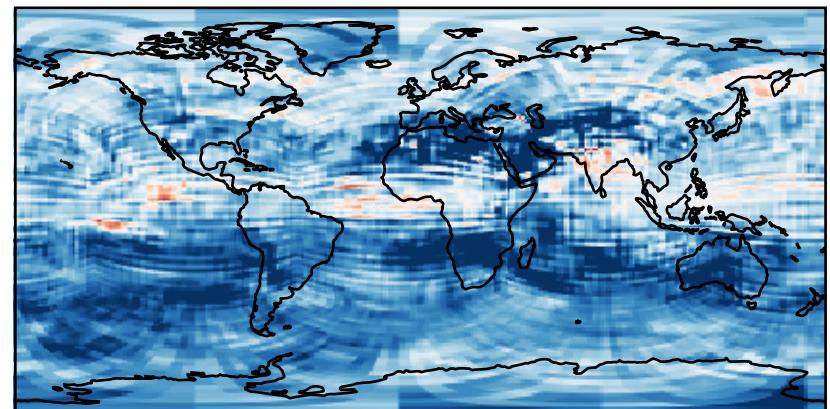
GCHP\_12.5.0\_c24 (Dev)  
c24



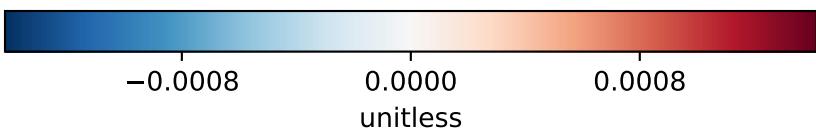
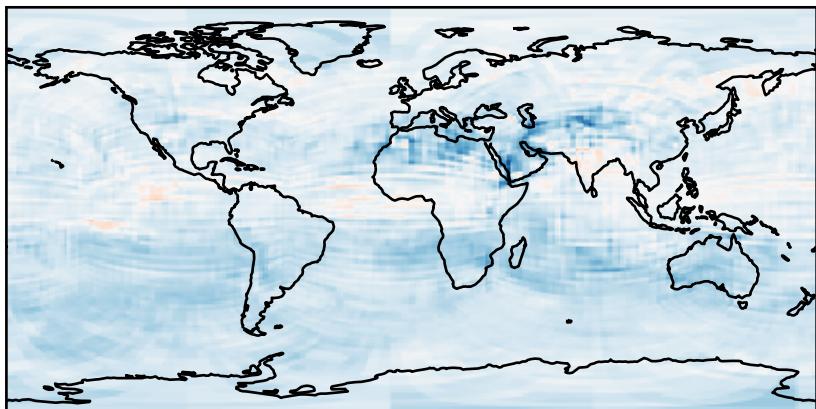
Difference (1x1.25)  
Dev - Ref, Dynamic Range



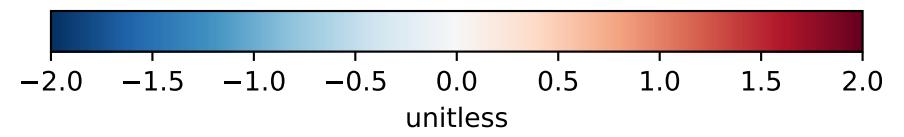
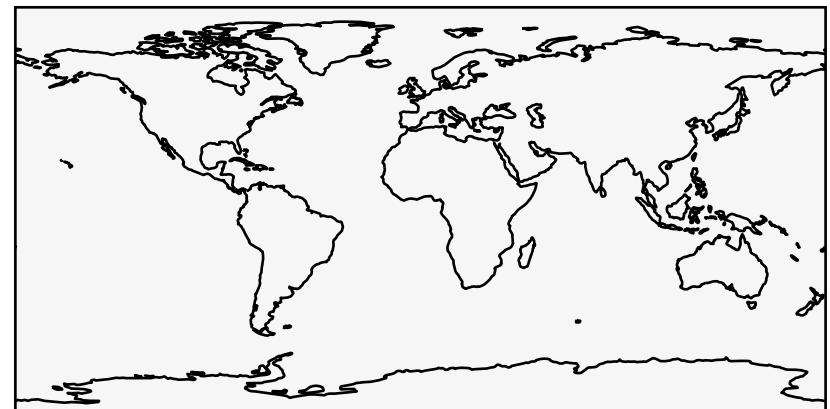
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

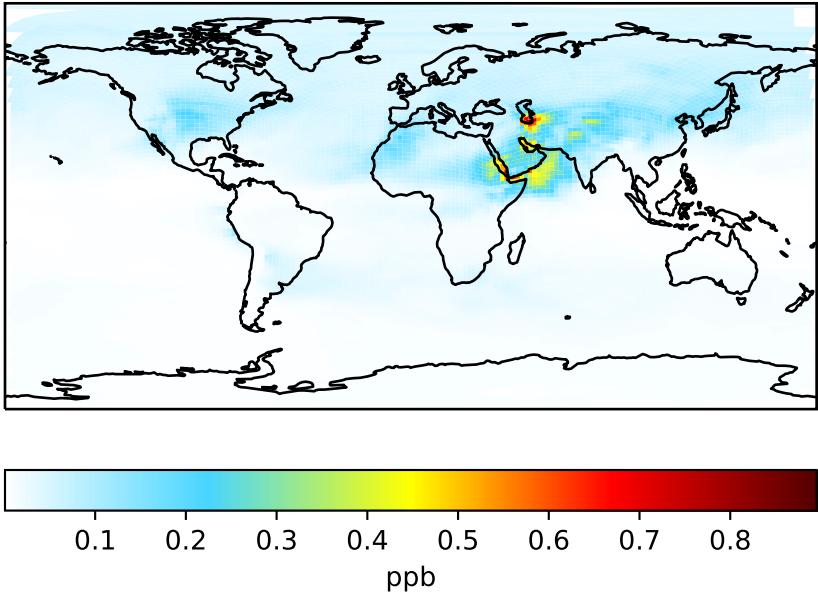


Fractional Difference (1x1.25)  
(Dev-Ref)/Ref, Fixed Range

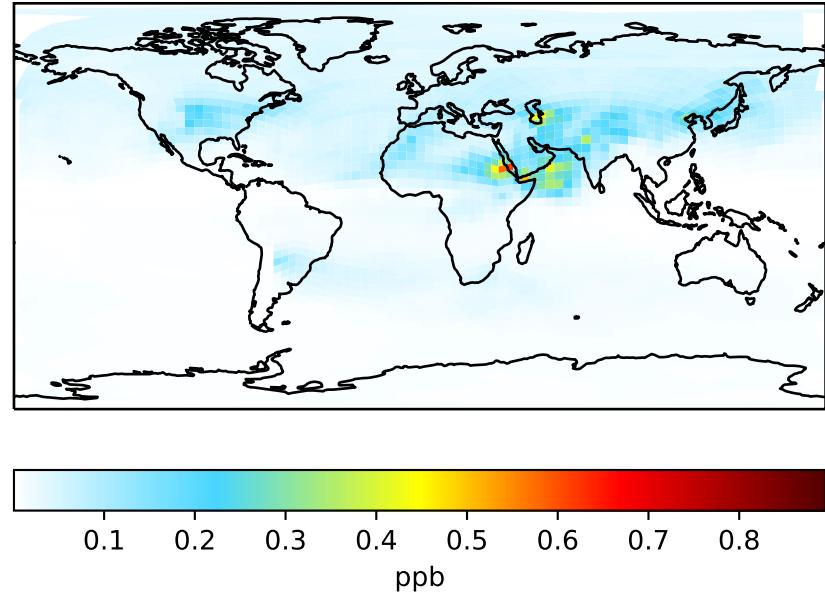


# SpeciesConc\_NHx

GCHP\_12.4.0 (Ref)  
c48



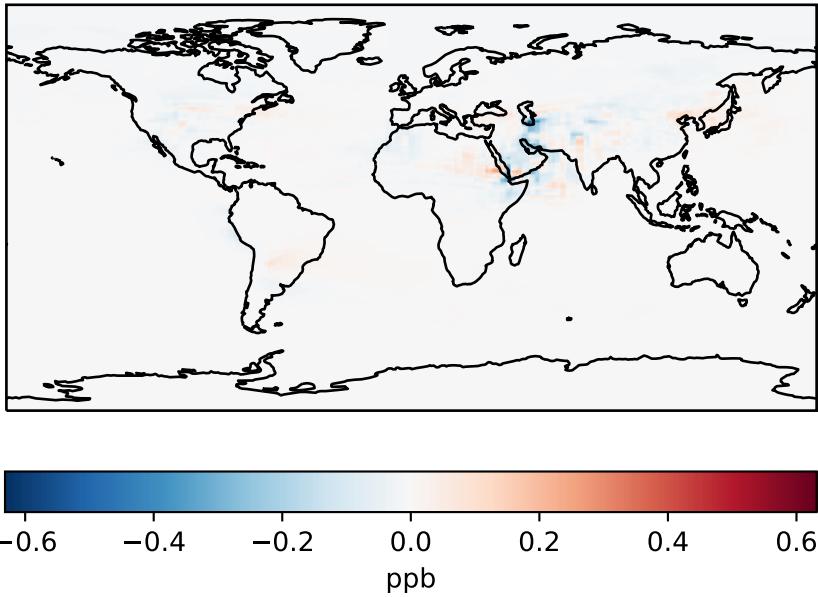
GCHP\_12.5.0\_c24 (Dev)  
c24



0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8  
ppb

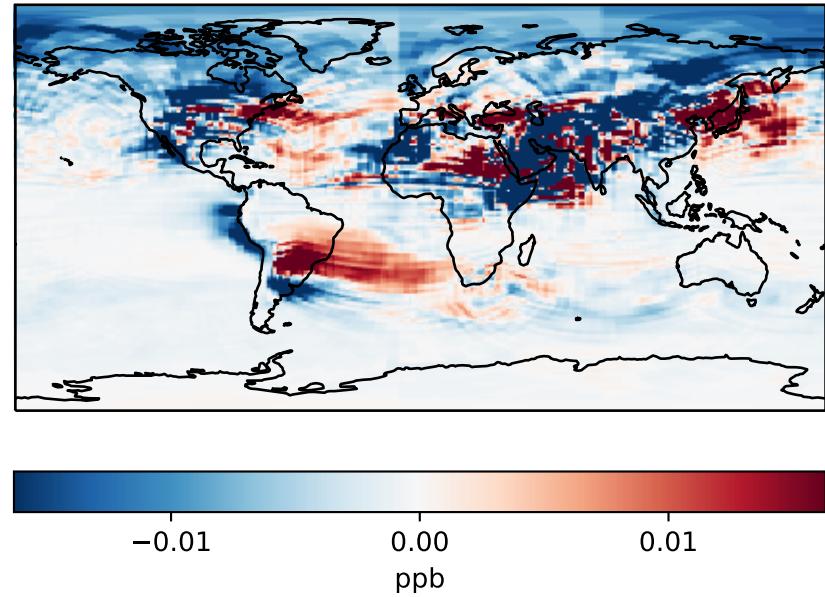
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8  
ppb

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



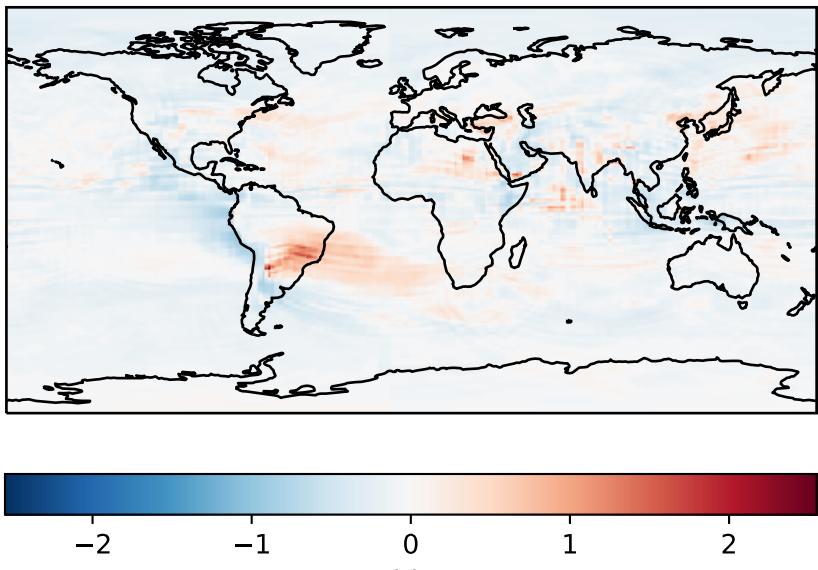
-0.6 -0.4 -0.2 0.0 0.2 0.4 0.6  
ppb

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



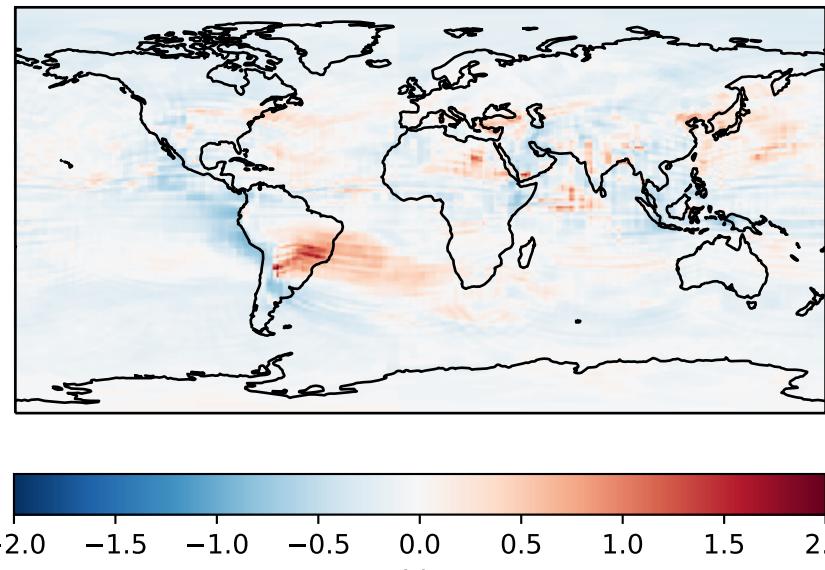
-0.01 0.00 0.01  
ppb

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



-2 -1 0 1 2  
unitless

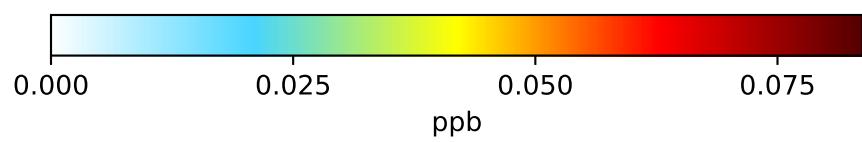
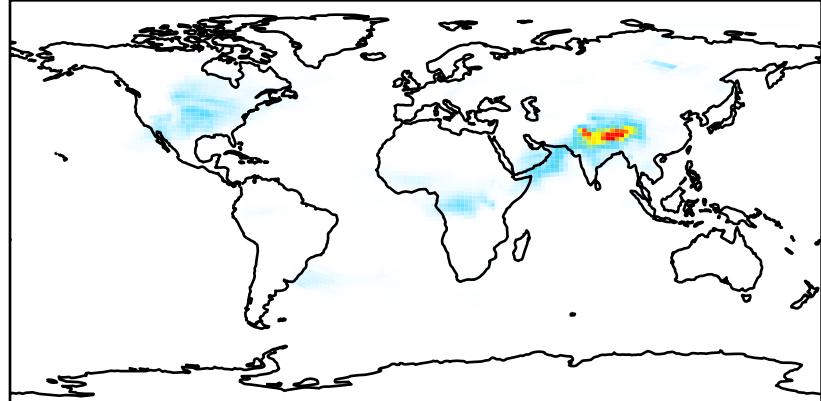
Fractional Difference (1x1.25)  
(Dev-Ref)/Ref, Fixed Range



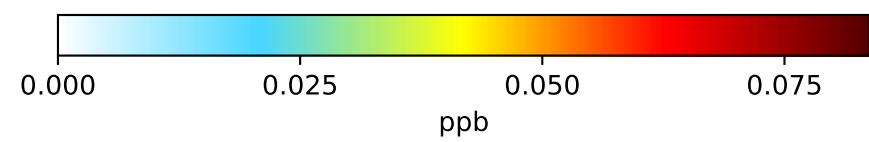
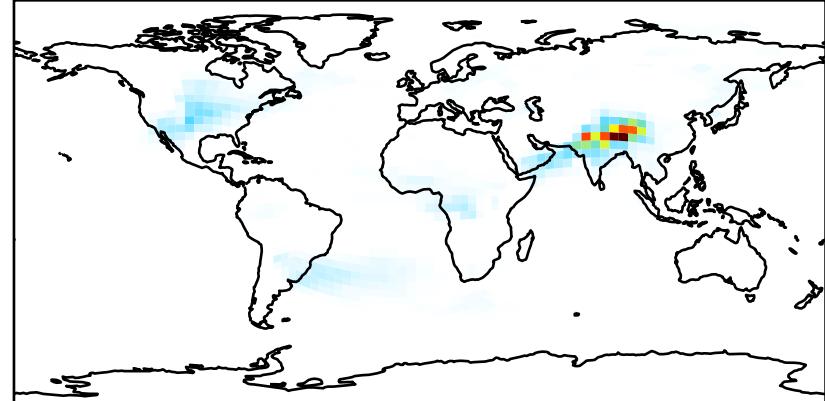
-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0 1.5 2.0  
unitless

# SpeciesConc\_NH3

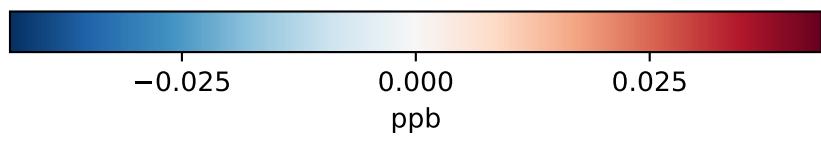
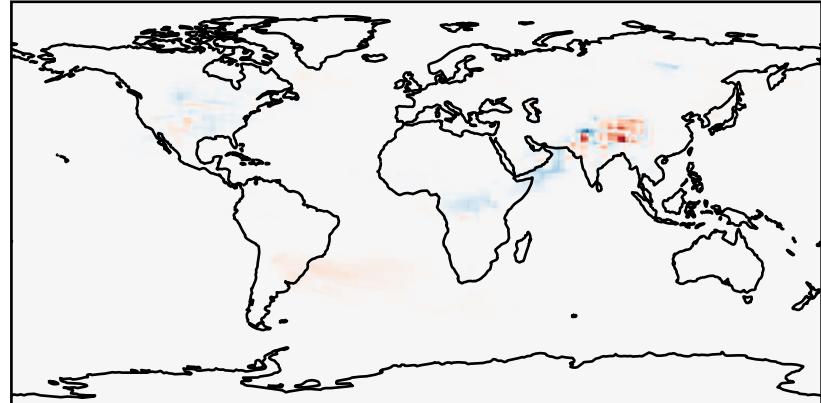
GCHP\_12.4.0 (Ref)  
c48



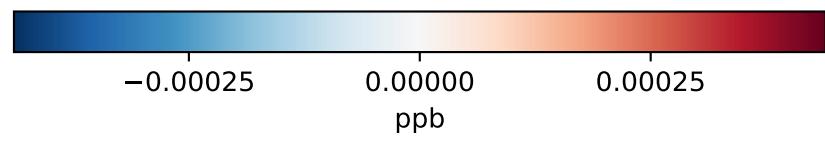
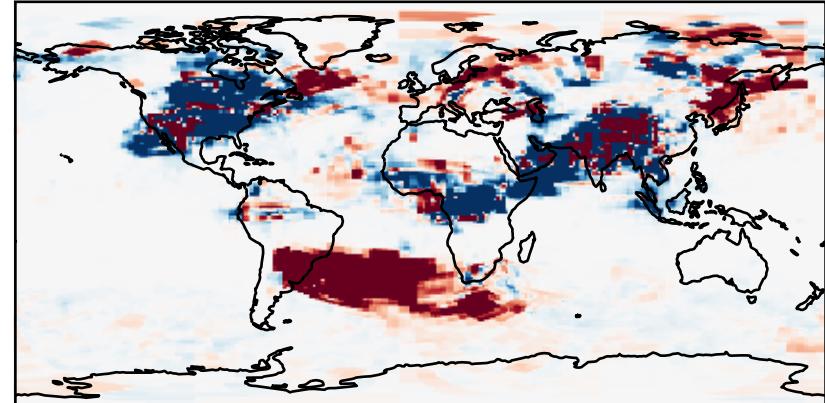
GCHP\_12.5.0\_c24 (Dev)  
c24



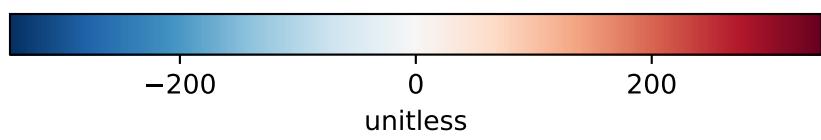
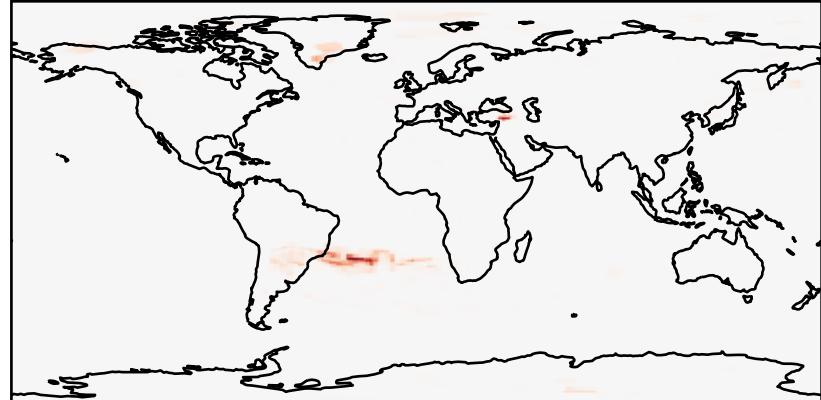
Difference (1x1.25)  
Dev - Ref, Dynamic Range



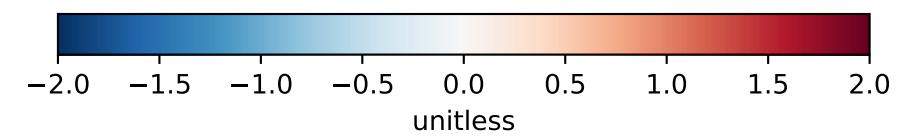
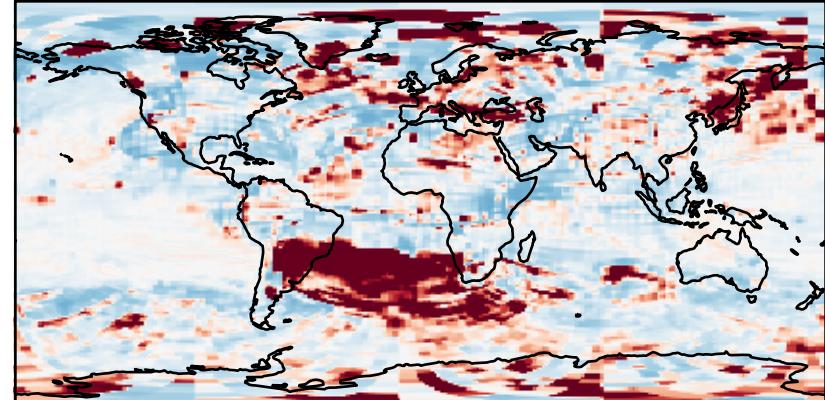
Difference (1x1.25)  
Dev - Ref, Restricted Range [5%,95%]



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

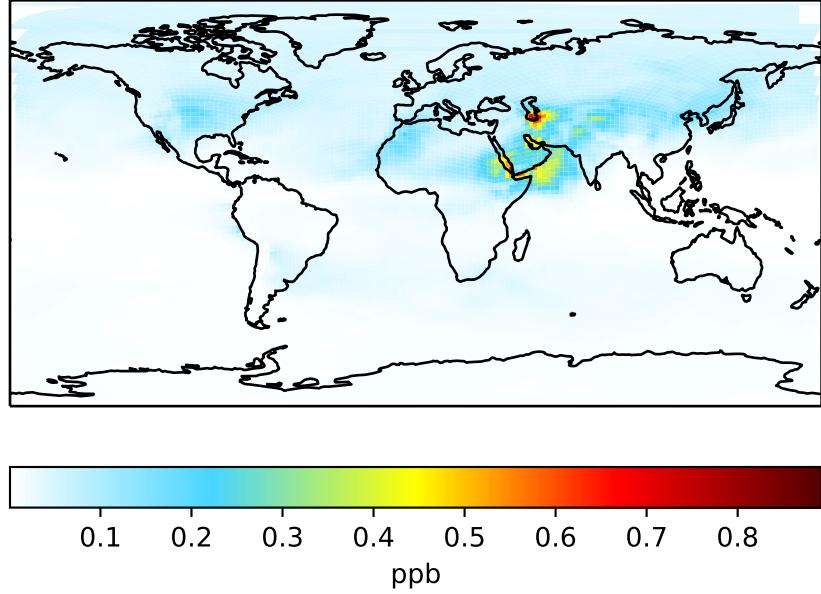


Fractional Difference (1x1.25)  
(Dev-Ref)/Ref, Fixed Range

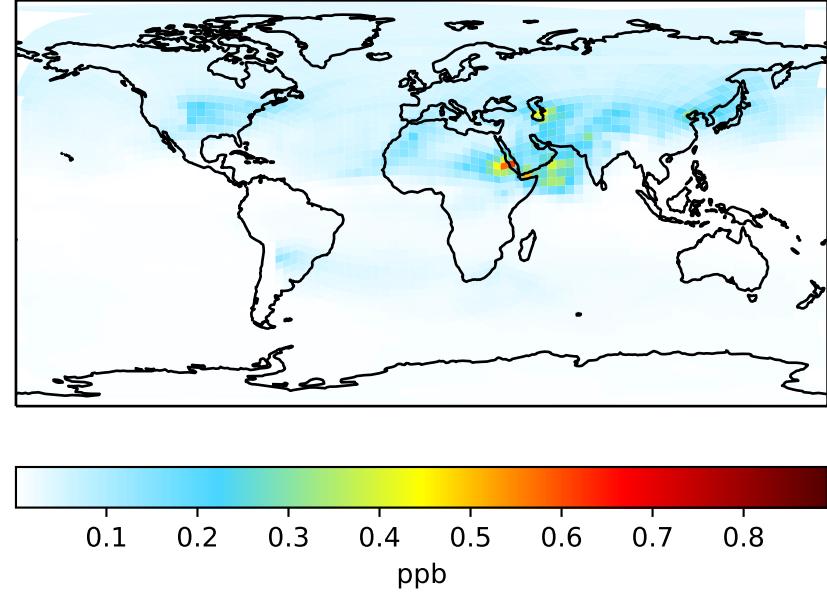


# SpeciesConc\_NH4

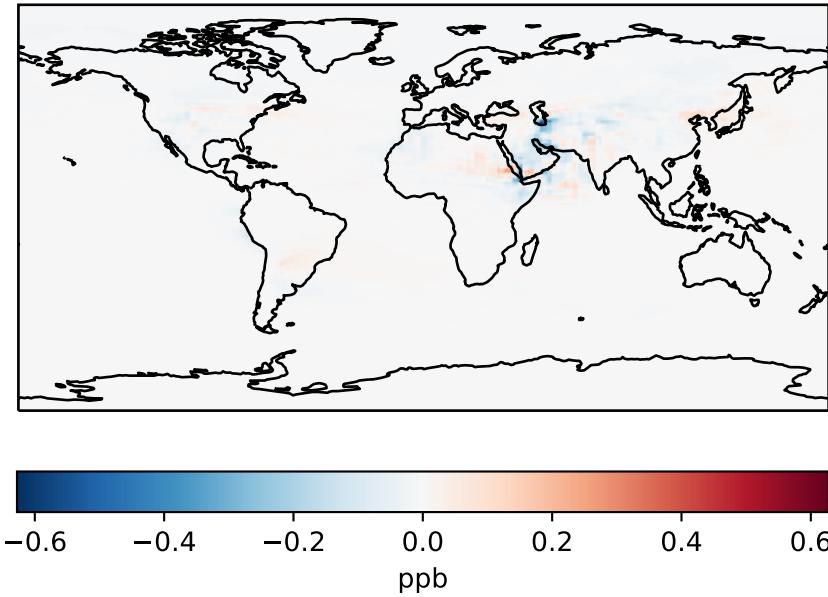
GCHP\_12.4.0 (Ref)  
c48



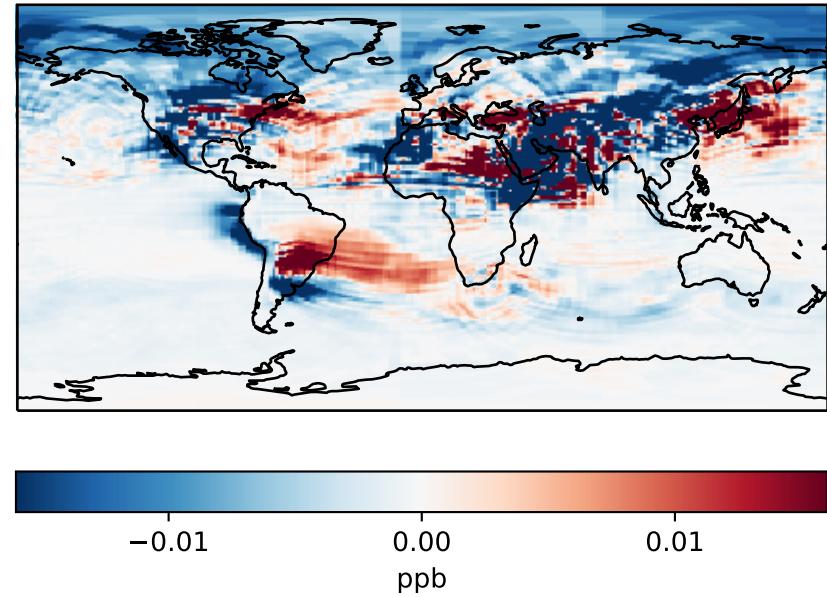
GCHP\_12.5.0\_c24 (Dev)  
c24



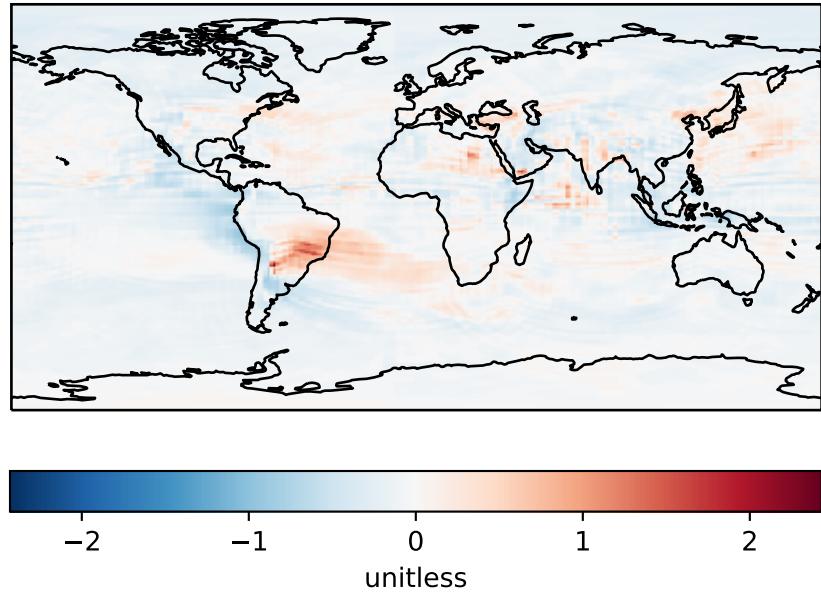
Difference (1x1.25)  
Dev - Ref, Dynamic Range



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



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



Fractional Difference (1x1.25)  
(Dev-Ref)/Ref, Fixed Range

