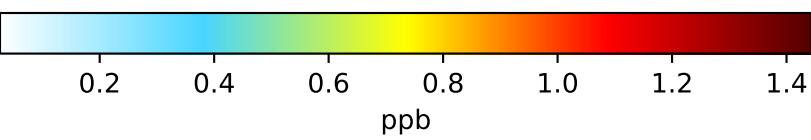
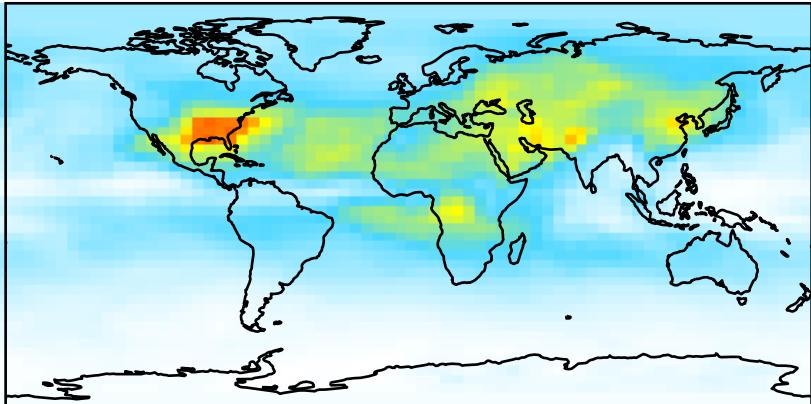
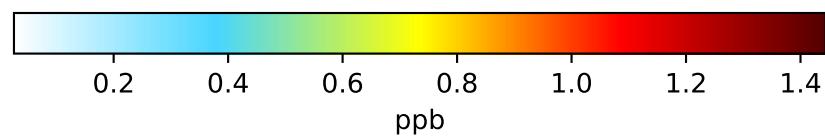
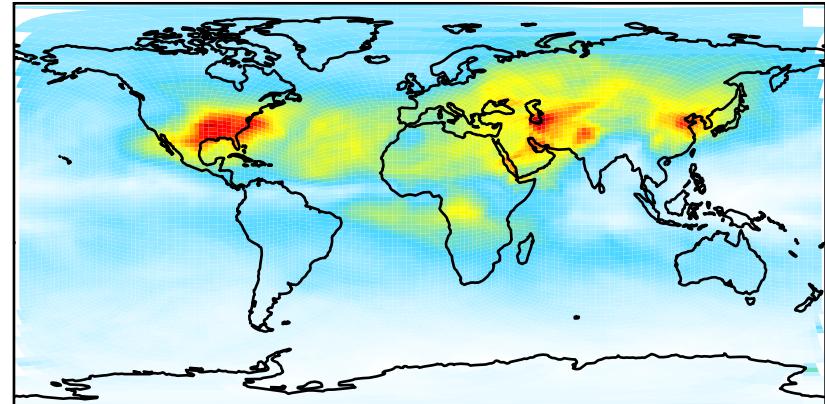


SpeciesConc_NOy

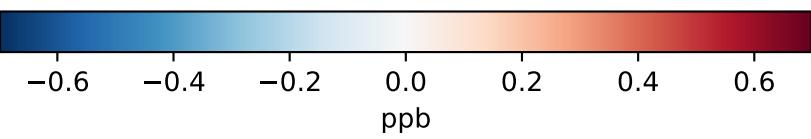
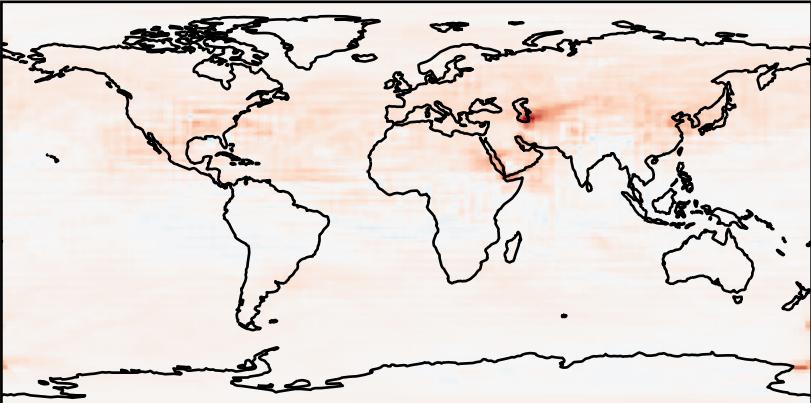
GC_12.6.0 (Ref)
4x5



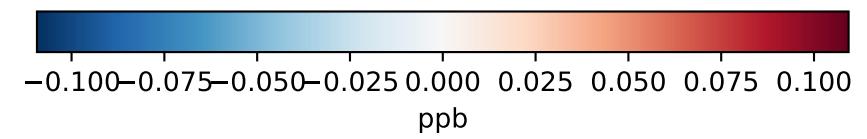
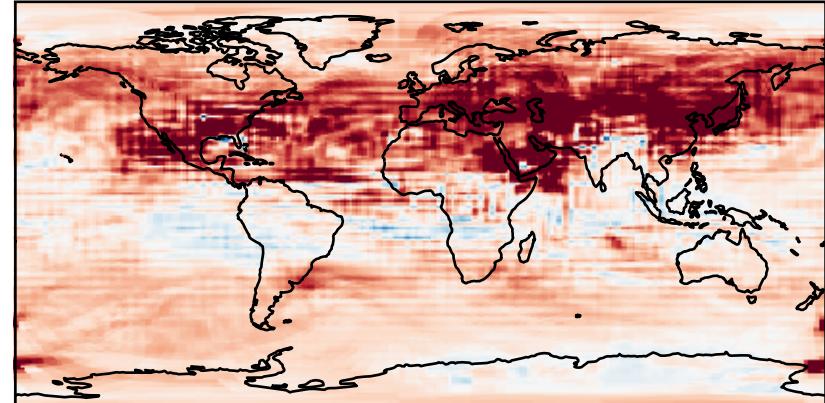
GCHP_12.6.0 (Dev)
c48



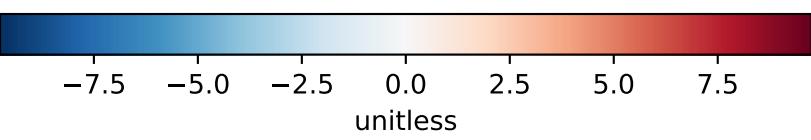
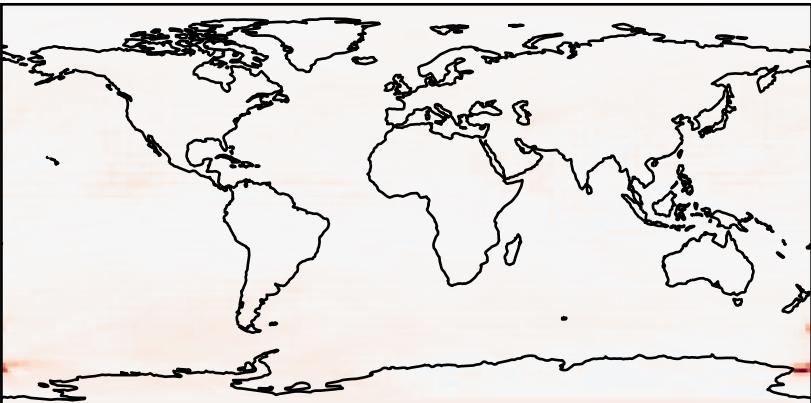
Difference (1x1.25)
Dev - Ref, Dynamic Range



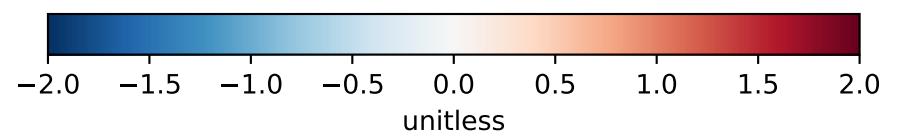
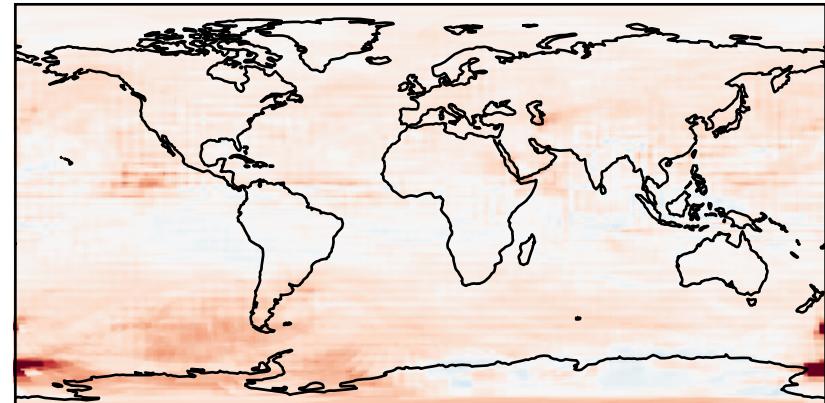
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

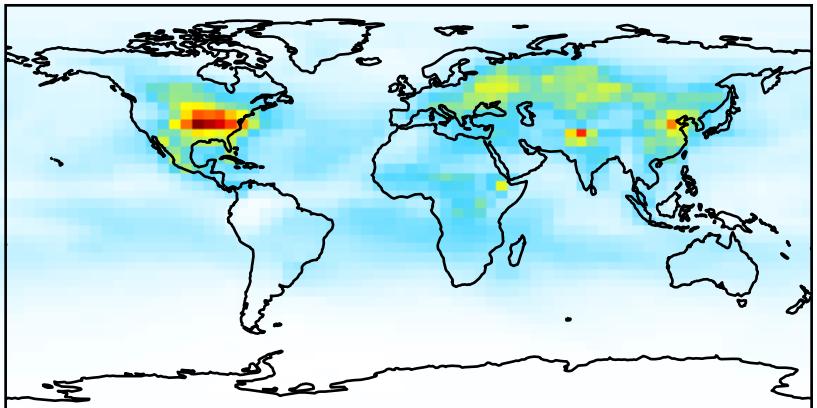


Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range

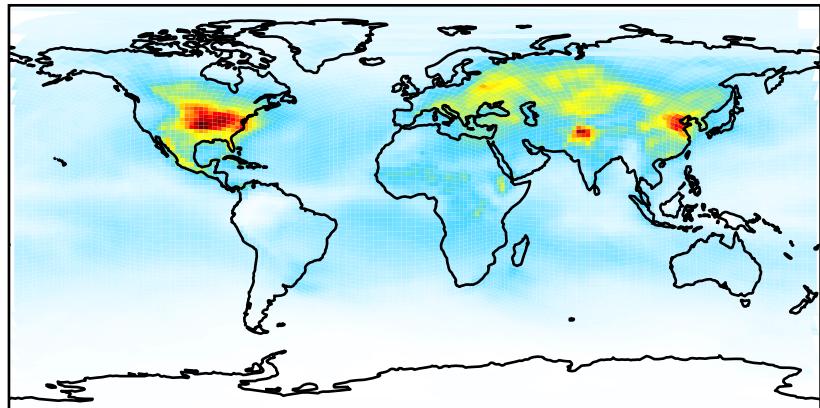


SpeciesConc_NOx

GC_12.6.0 (Ref)
4x5



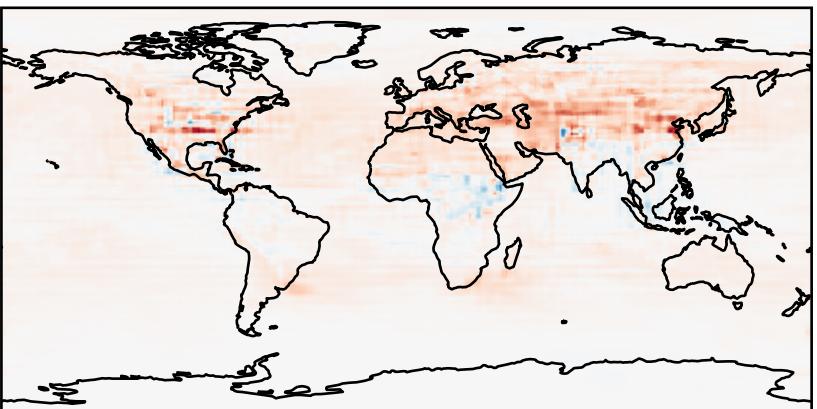
GCHP_12.6.0 (Dev)
c48



0.05 0.10 0.15 0.20
ppb

0.05 0.10 0.15 0.20
ppb

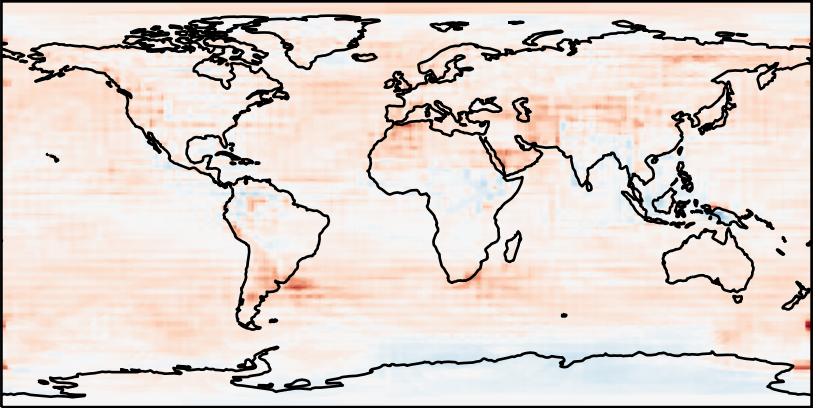
Difference (1x1.25)
Dev - Ref, Dynamic Range



-0.06 -0.04 -0.02 0.00 0.02 0.04 0.06
ppb

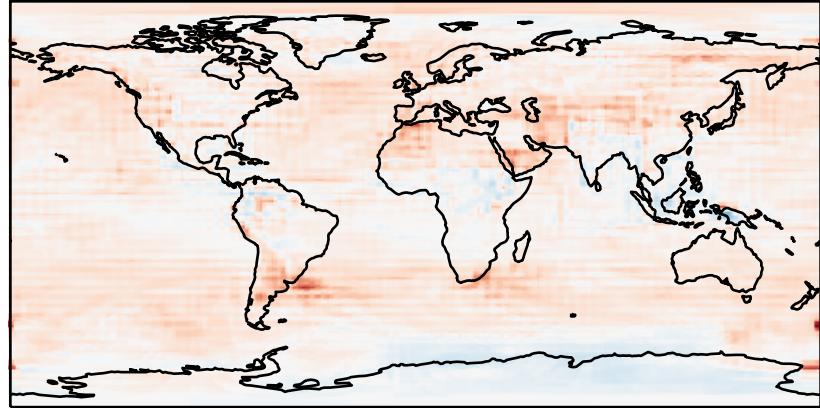
-0.008 0.000 0.008
ppb

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



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

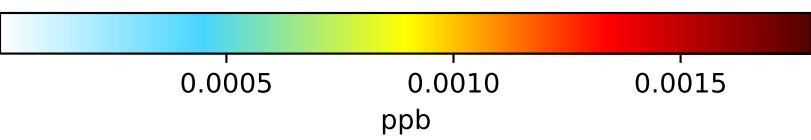
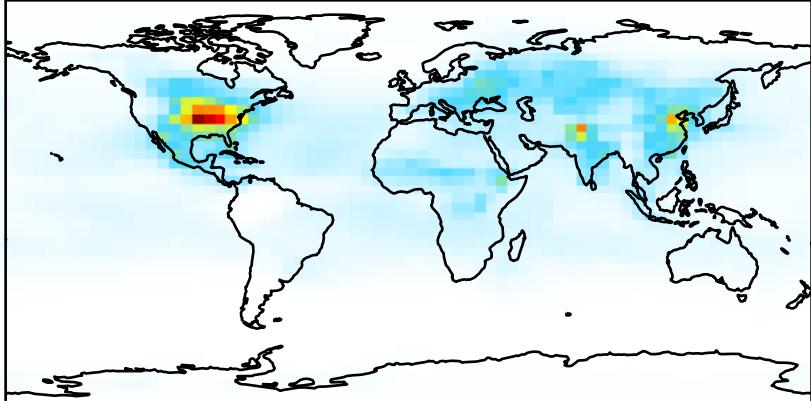
Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range



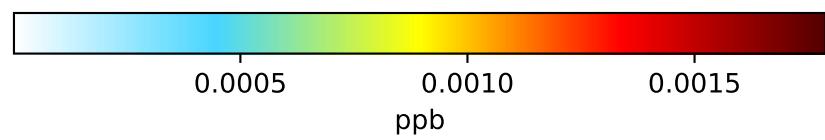
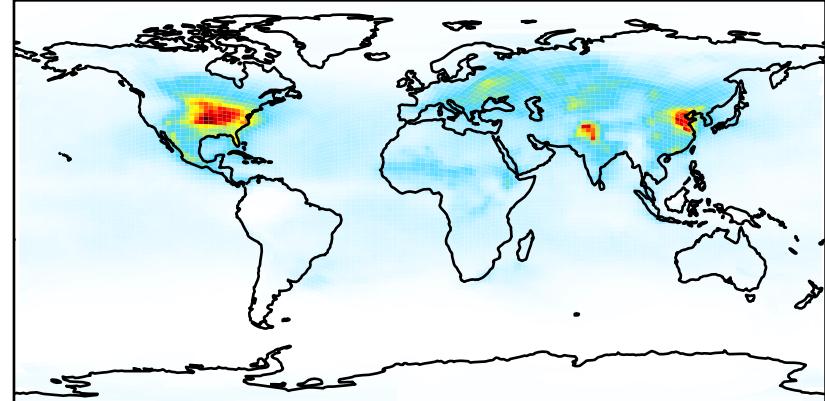
-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0 1.5 2.0
unitless

SpeciesConc_HNO2

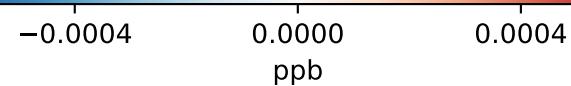
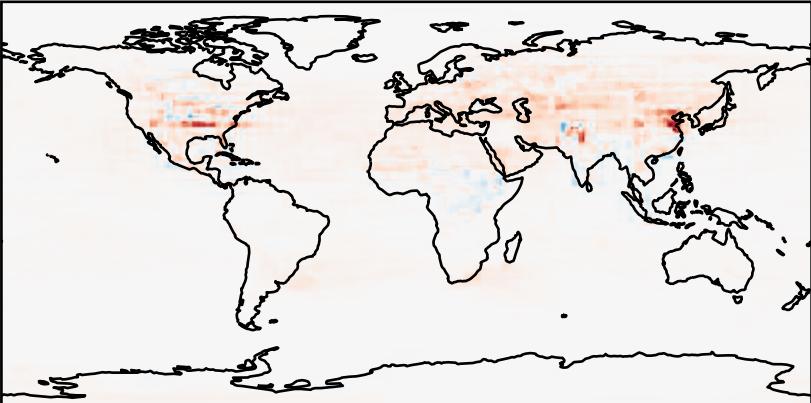
GC_12.6.0 (Ref)
4x5



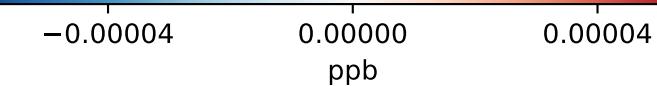
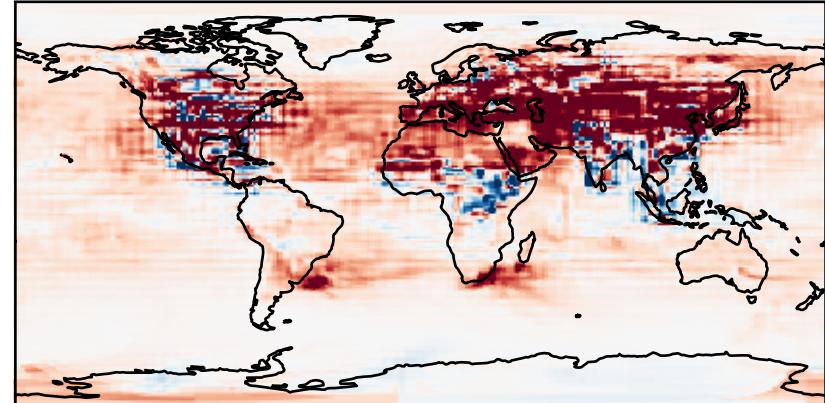
GCHP_12.6.0 (Dev)
c48



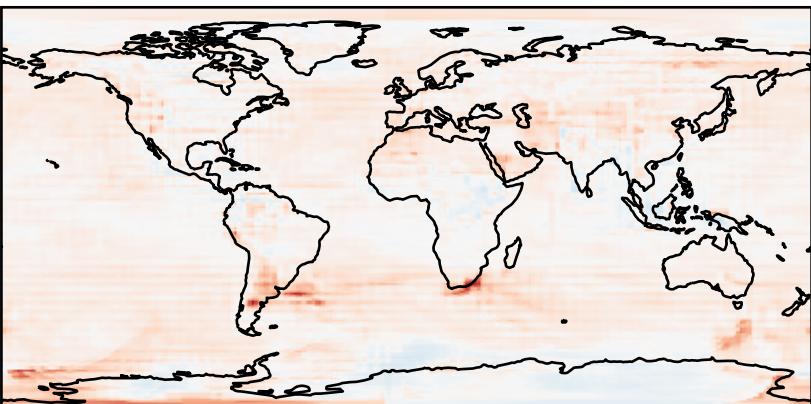
Difference (1x1.25)
Dev - Ref, Dynamic Range



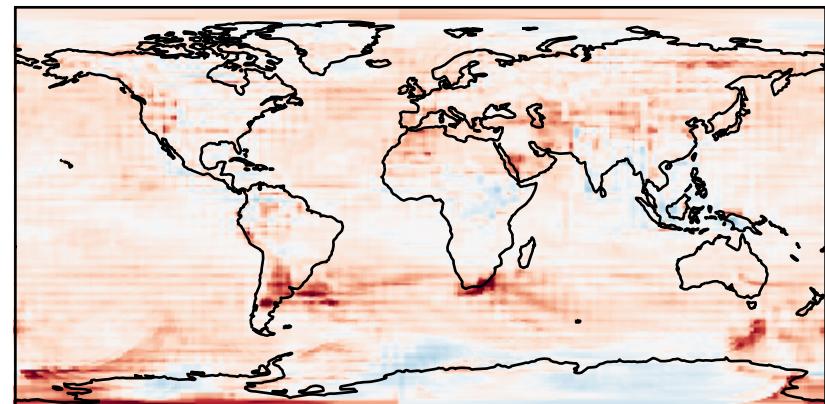
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

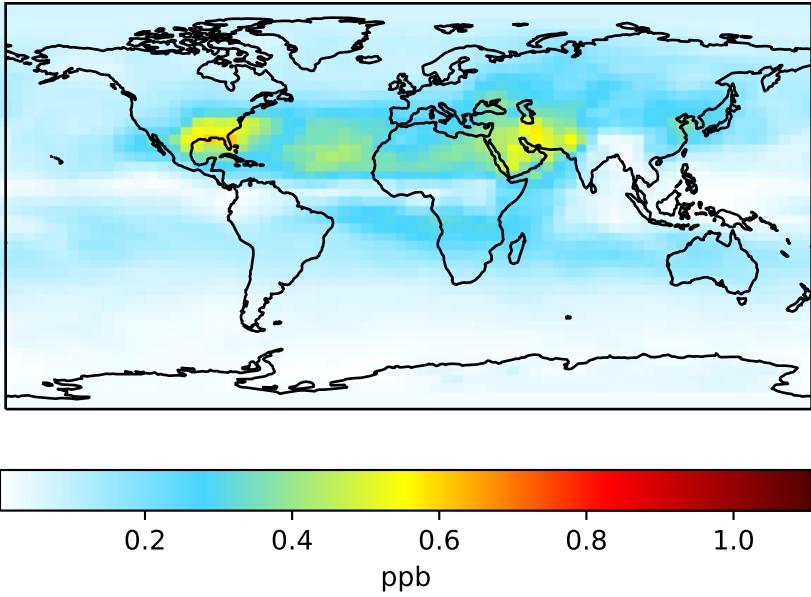


Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range

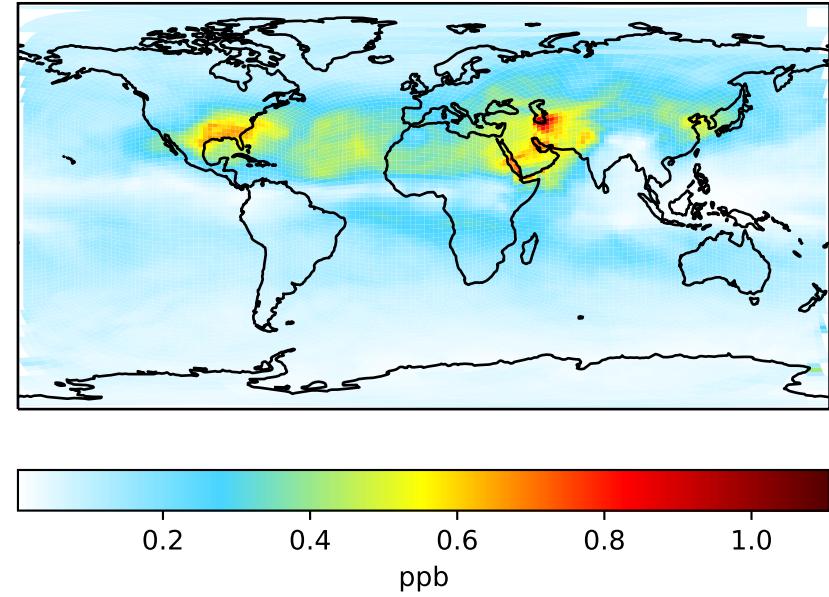


SpeciesConc_HNO3

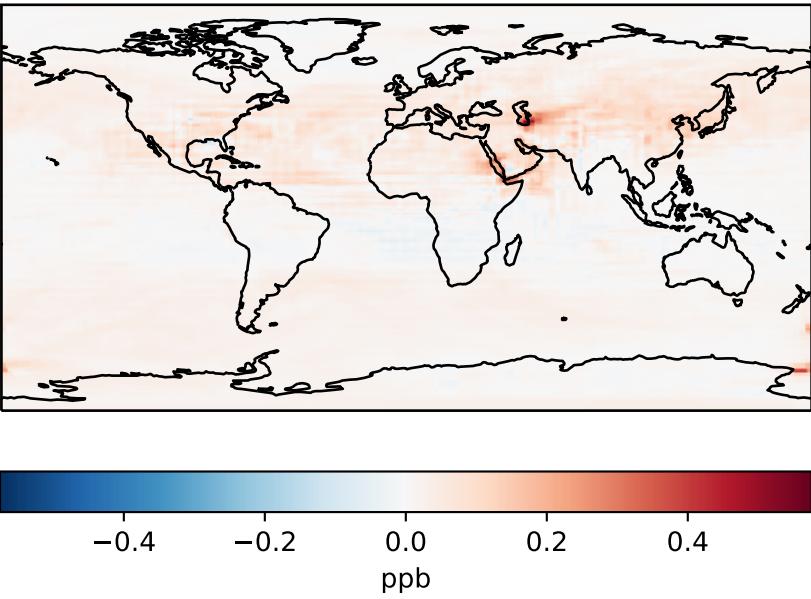
GC_12.6.0 (Ref)
4x5



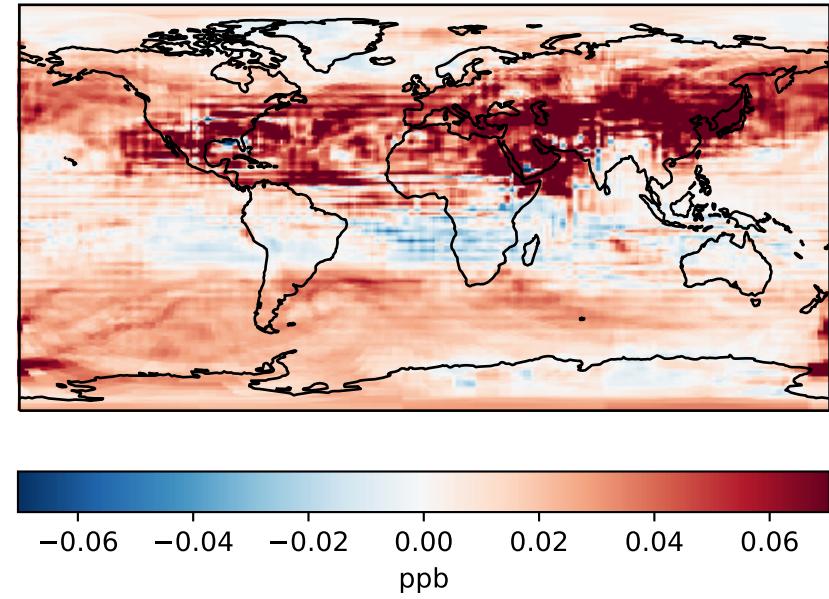
GCHP_12.6.0 (Dev)
c48



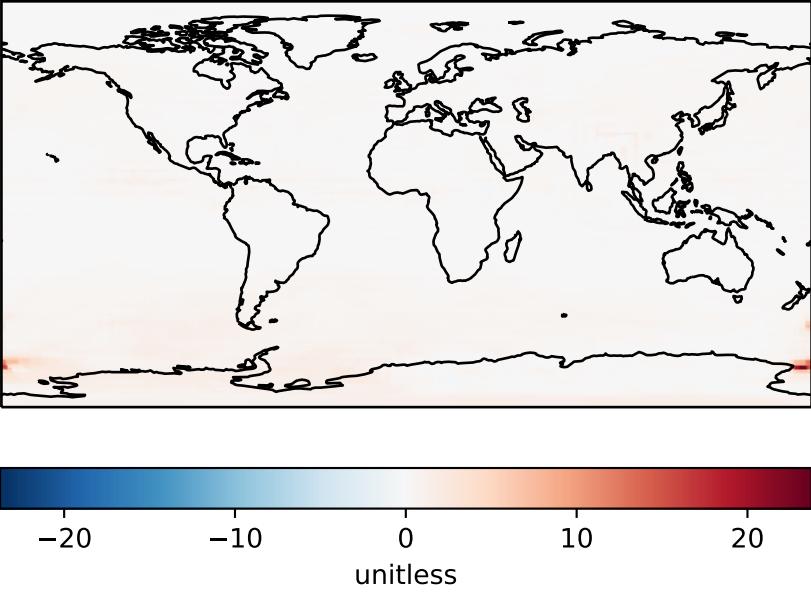
Difference (1x1.25)
Dev - Ref, Dynamic Range



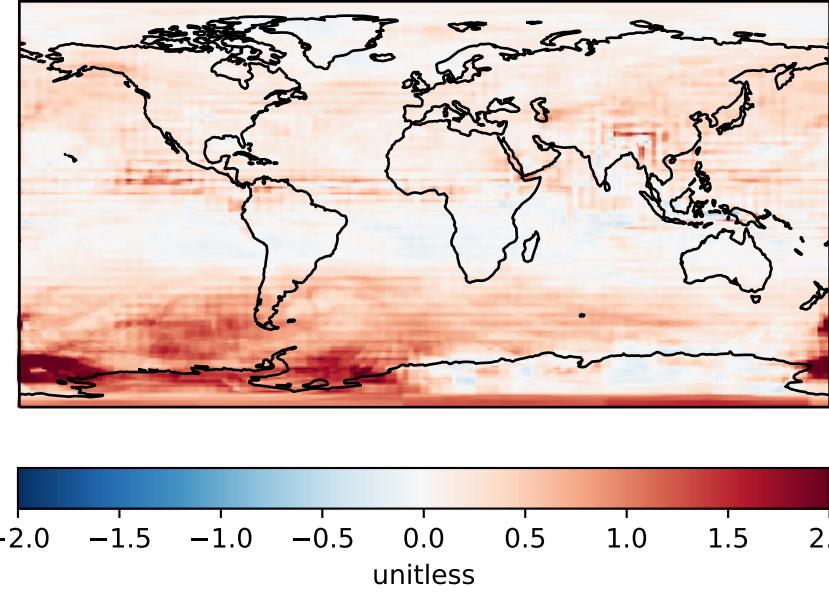
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

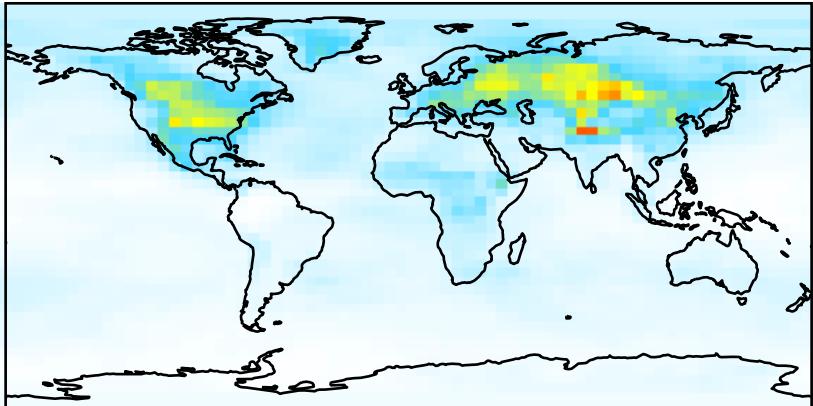


Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range

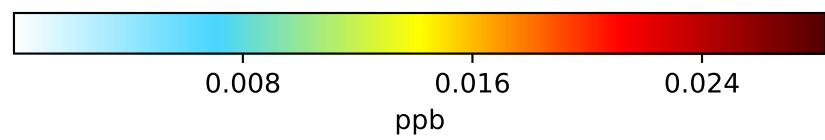
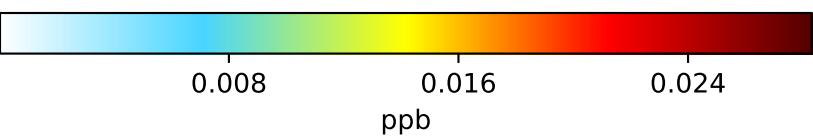
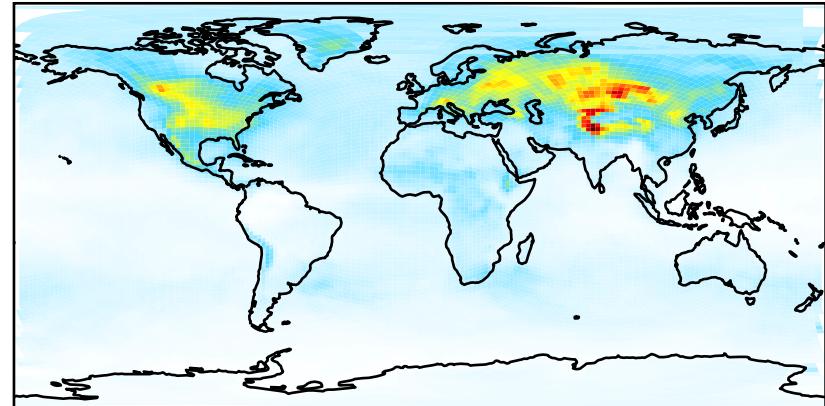


SpeciesConc_HNO4

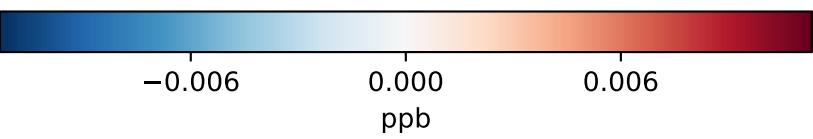
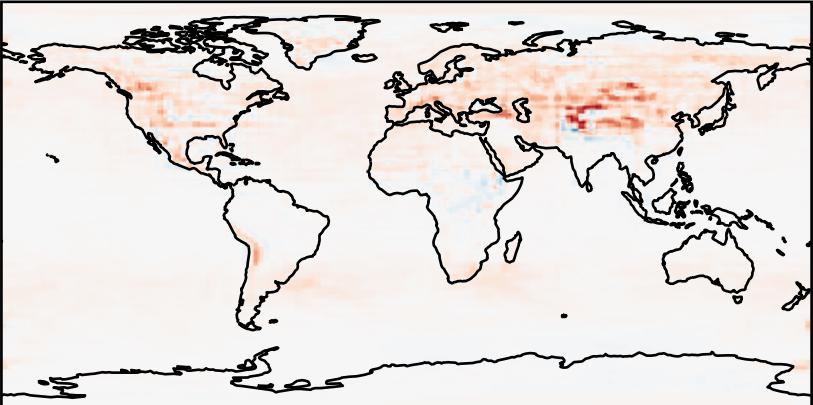
GC_12.6.0 (Ref)
4x5



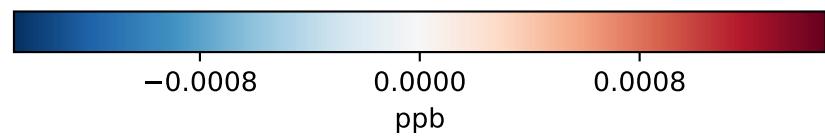
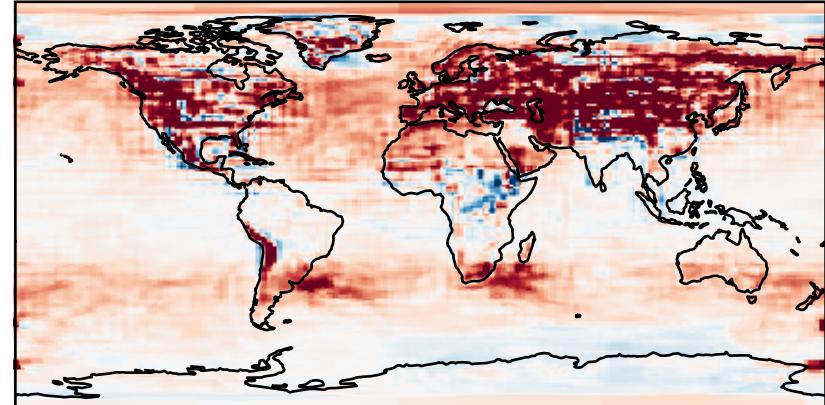
GCHP_12.6.0 (Dev)
c48



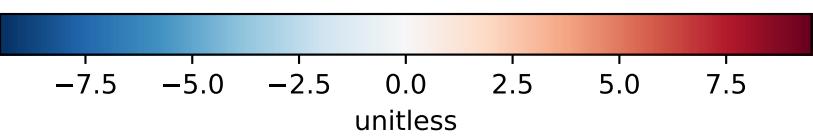
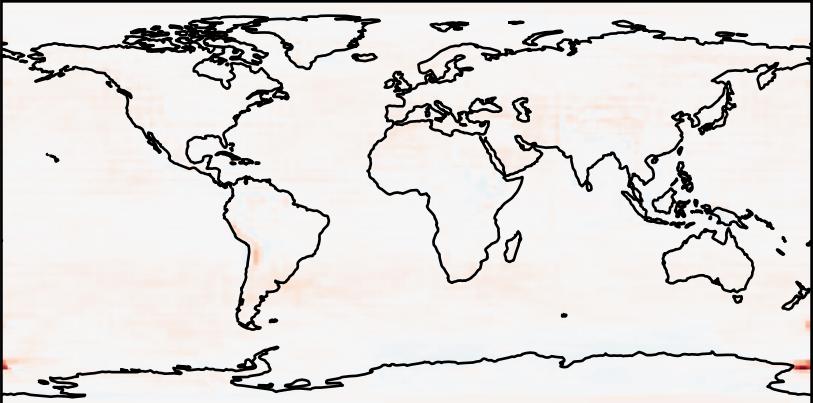
Difference (1x1.25)
Dev - Ref, Dynamic Range



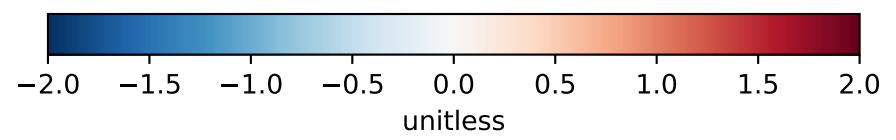
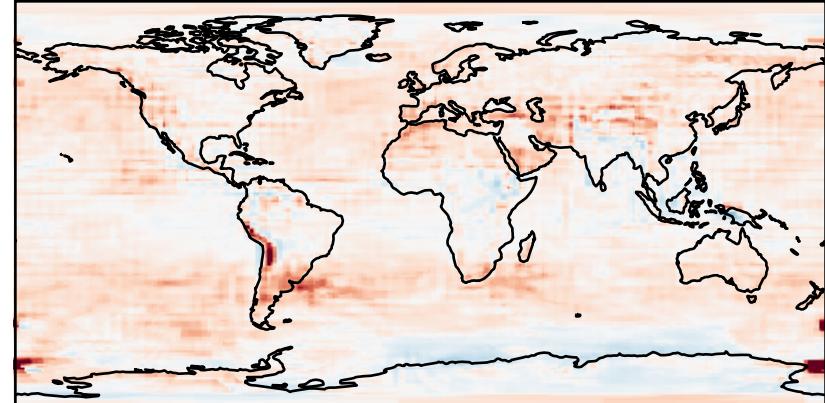
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

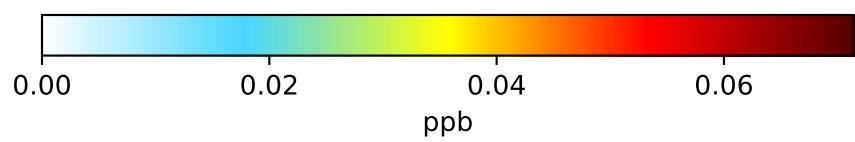
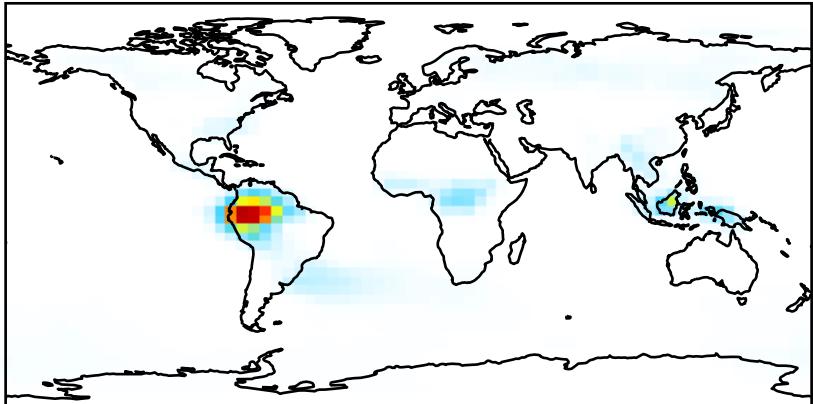


Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range

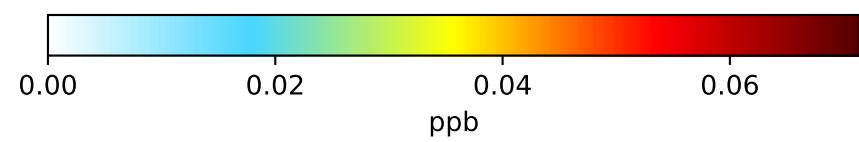
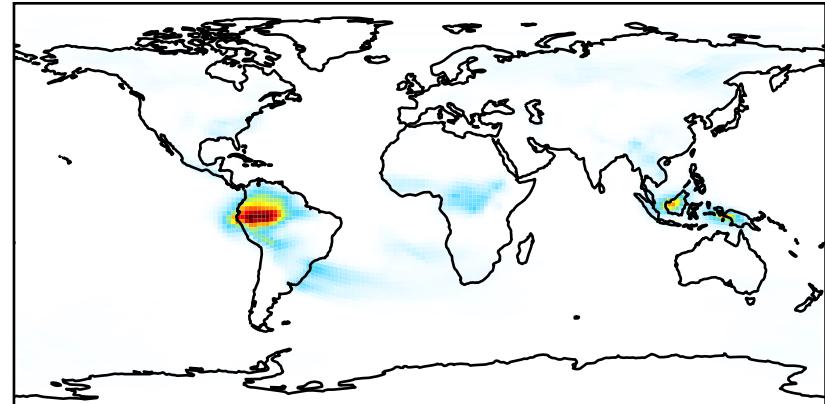


SpeciesConc_IPMN

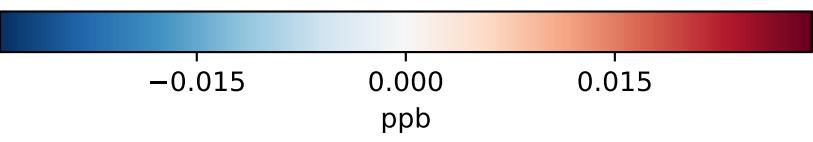
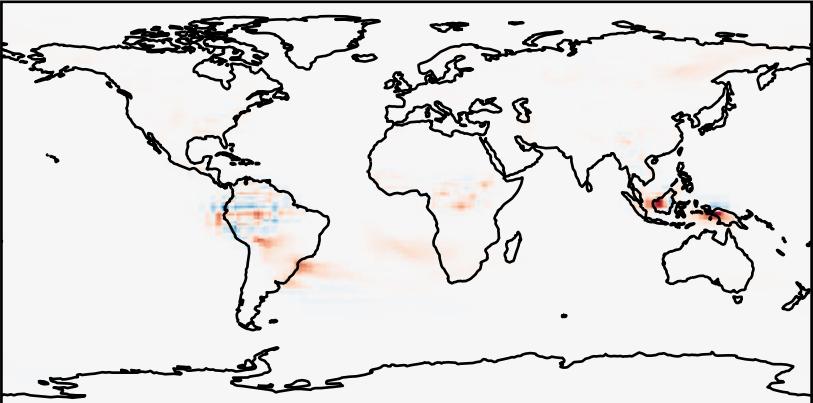
GC_12.6.0 (Ref)
4x5



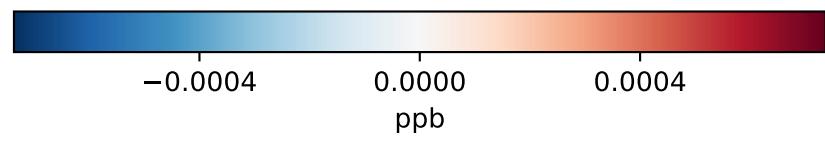
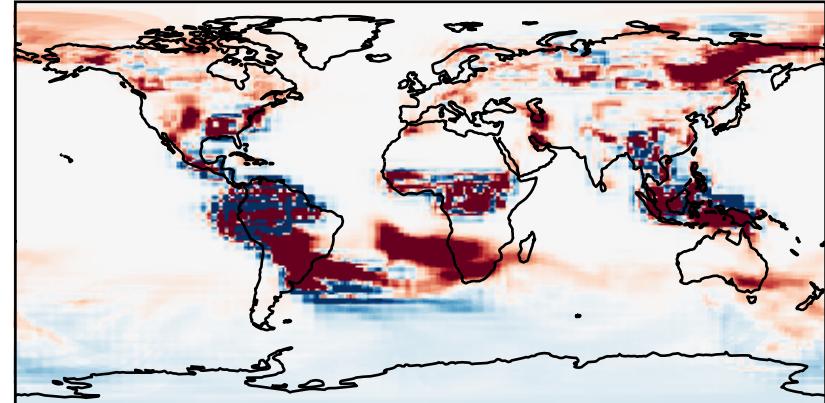
GCHP_12.6.0 (Dev)
c48



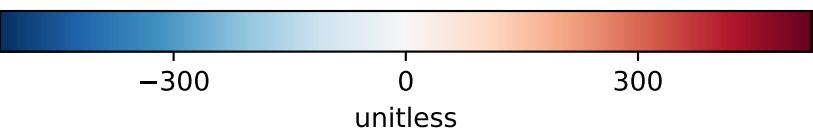
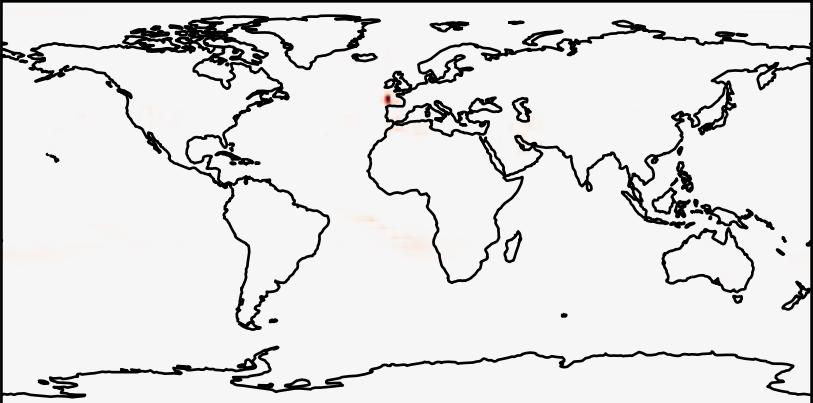
Difference (1x1.25)
Dev - Ref, Dynamic Range



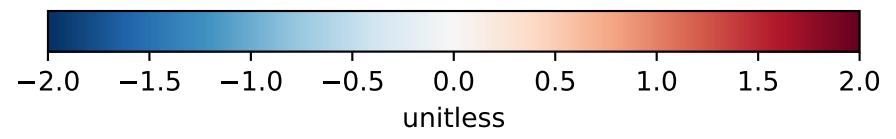
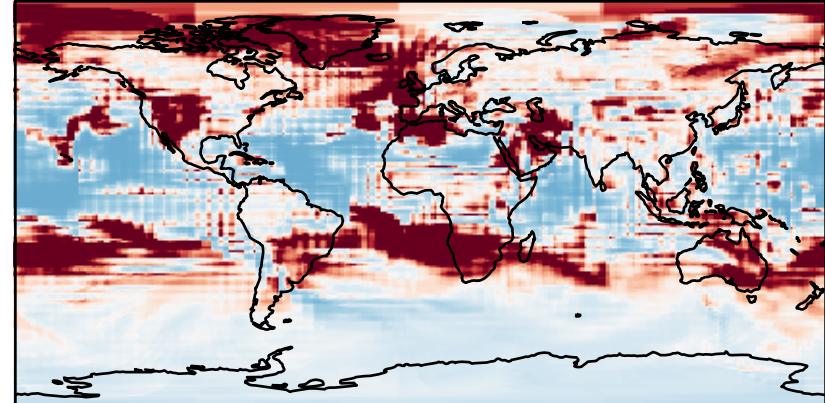
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

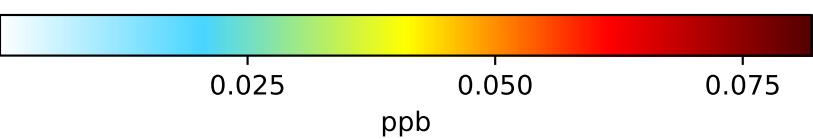
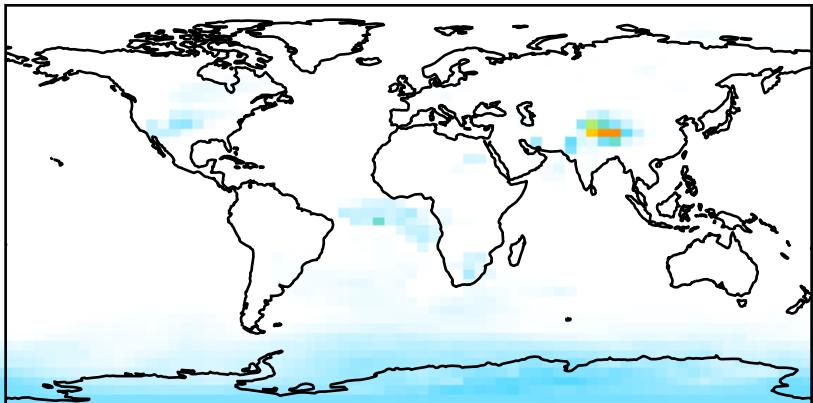


Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range

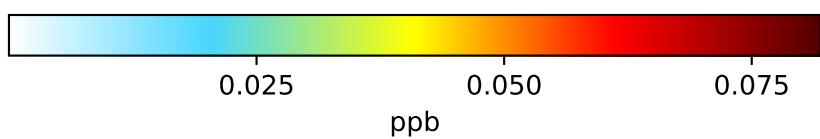
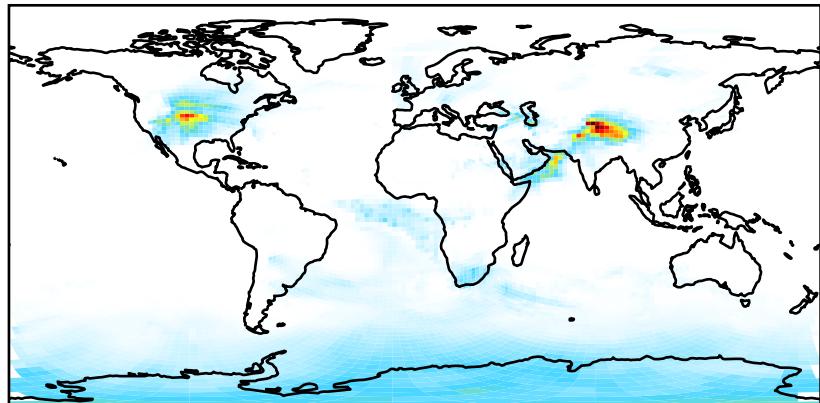


SpeciesConc_NIT

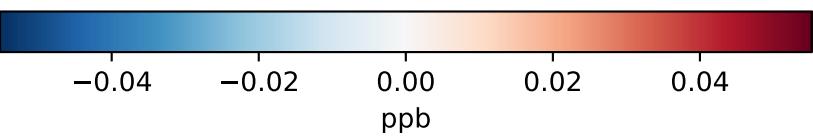
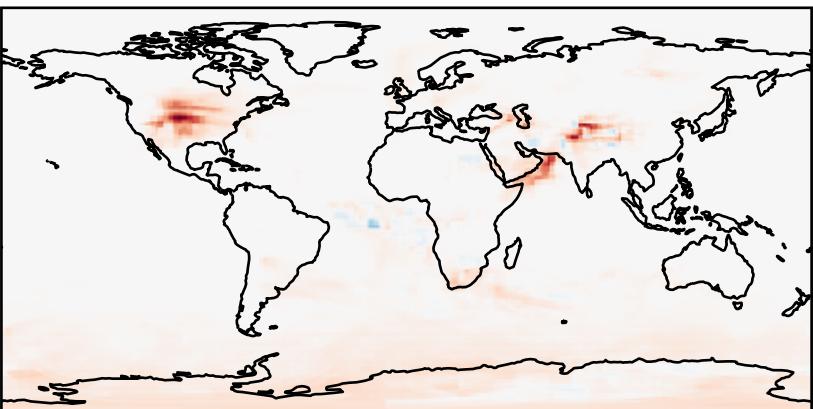
GC_12.6.0 (Ref)
4x5



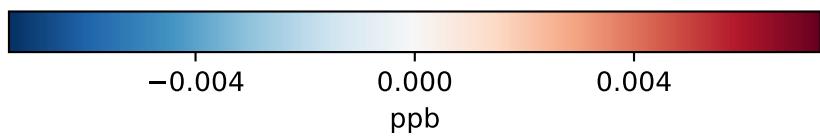
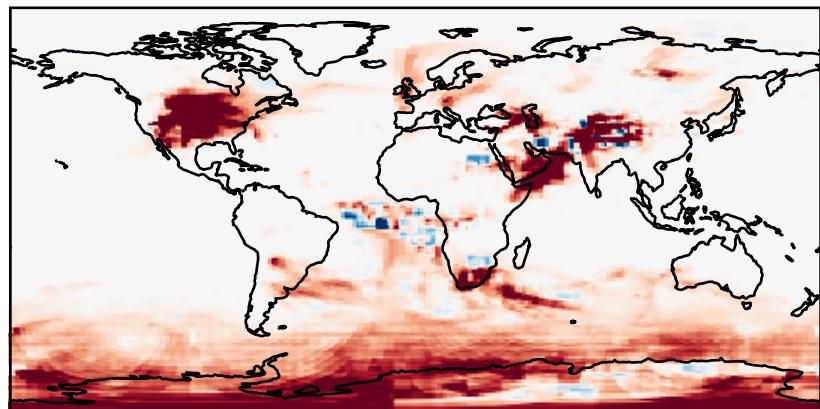
GCHP_12.6.0 (Dev)
c48



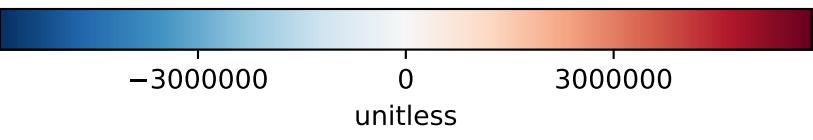
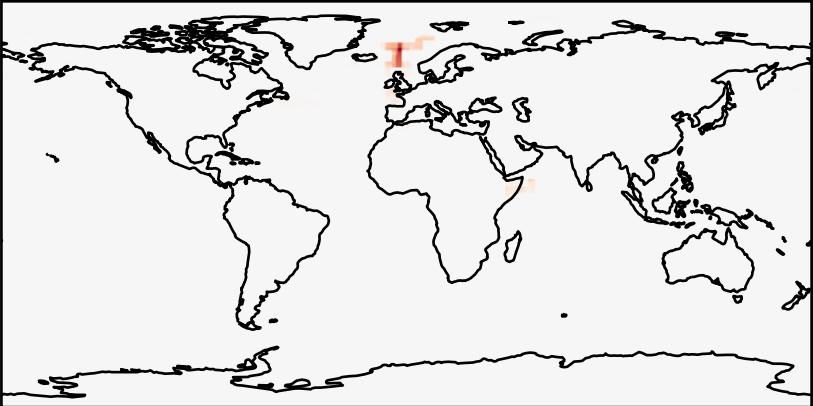
Difference (1x1.25)
Dev - Ref, Dynamic Range



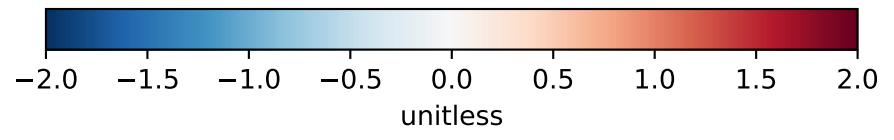
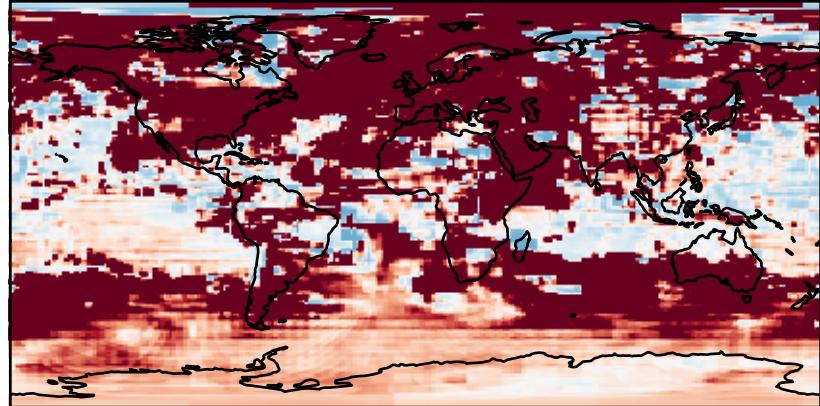
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

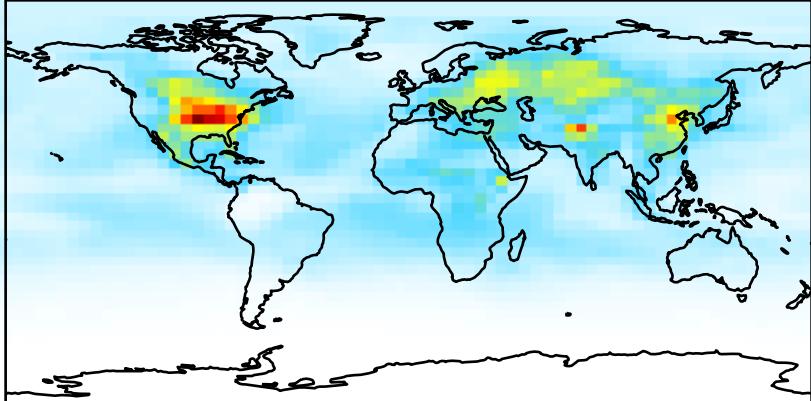


Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range

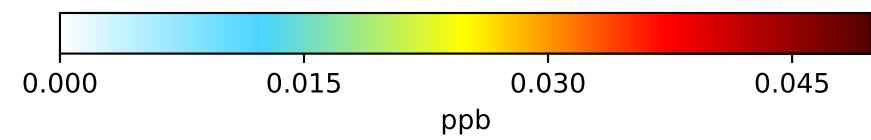
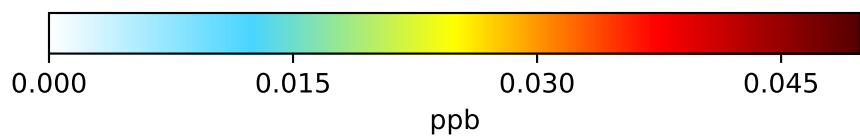
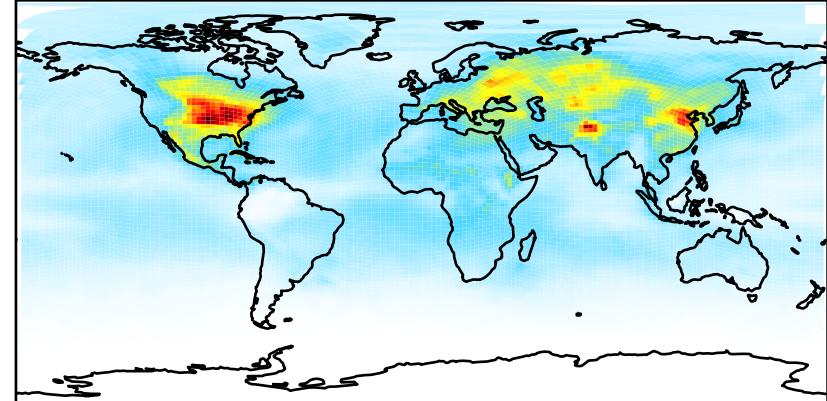


SpeciesConc_NO

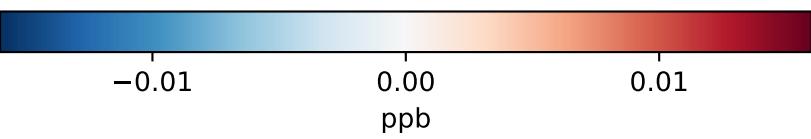
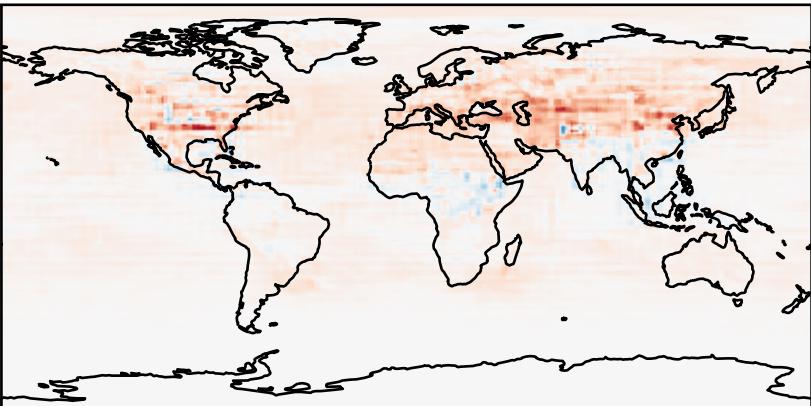
GC_12.6.0 (Ref)
4x5



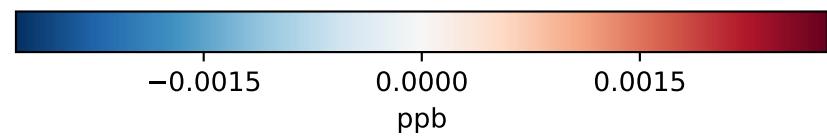
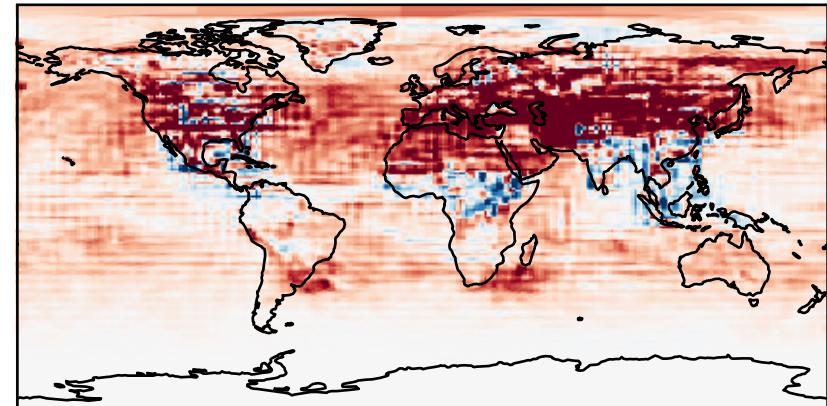
GCHP_12.6.0 (Dev)
c48



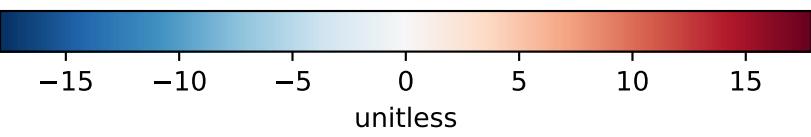
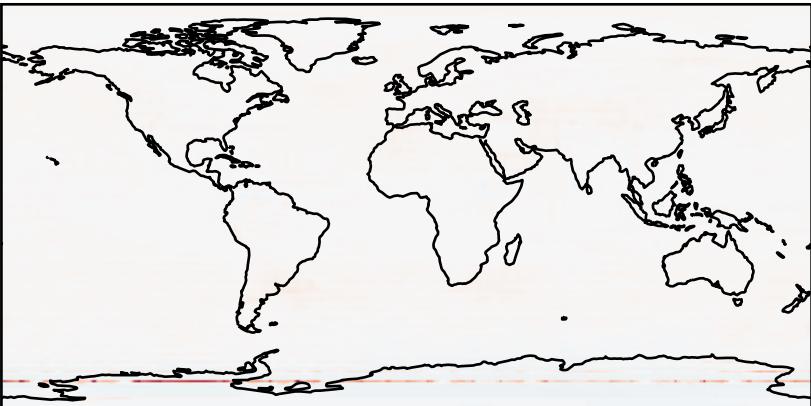
Difference (1x1.25)
Dev - Ref, Dynamic Range



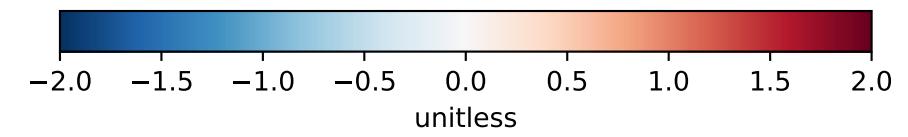
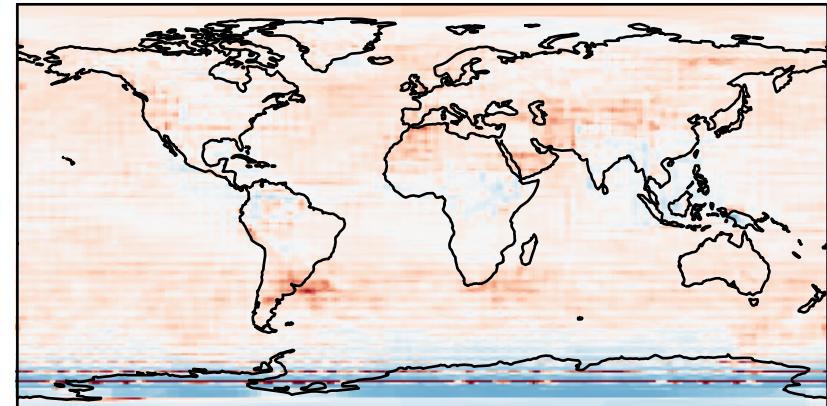
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

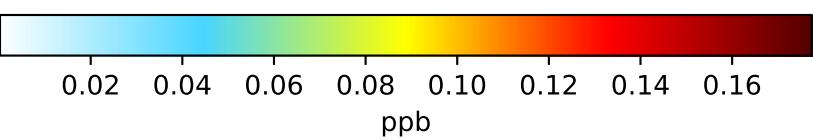
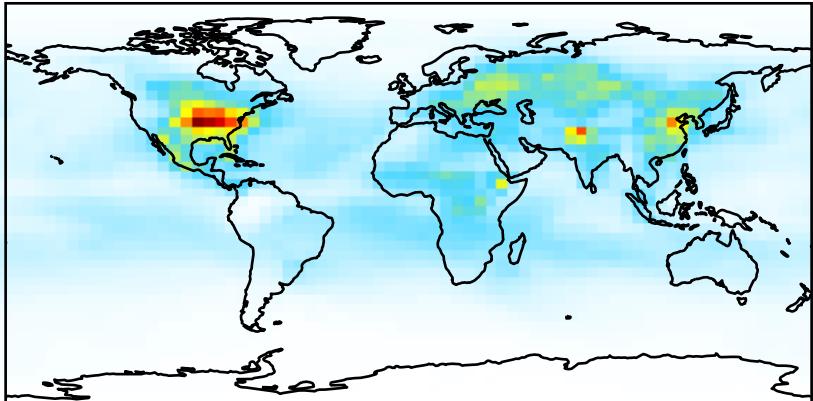


Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range

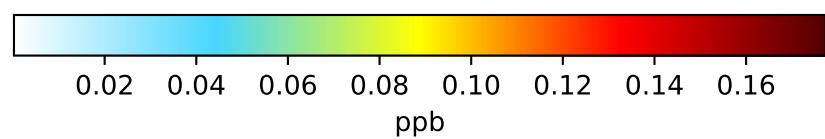
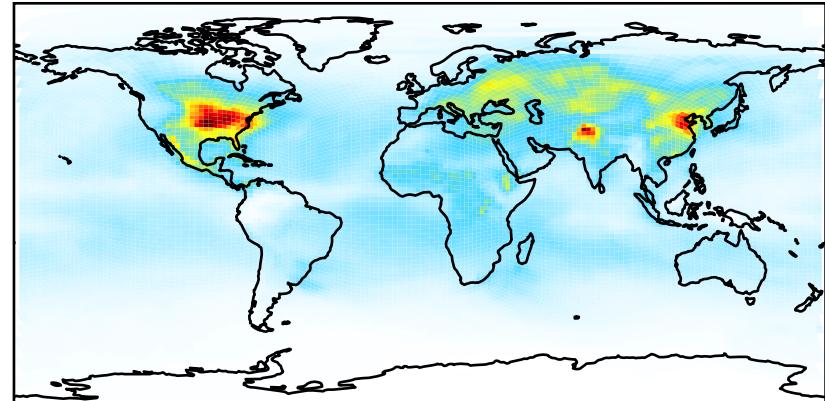


SpeciesConc_NO2

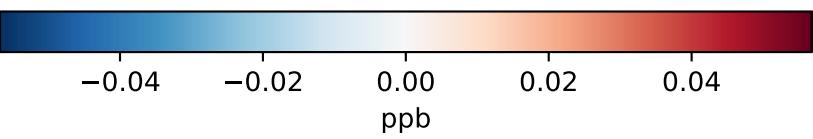
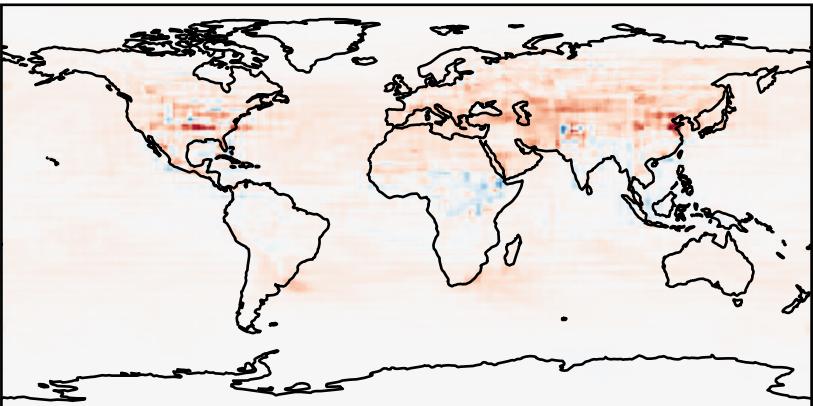
GC_12.6.0 (Ref)
4x5



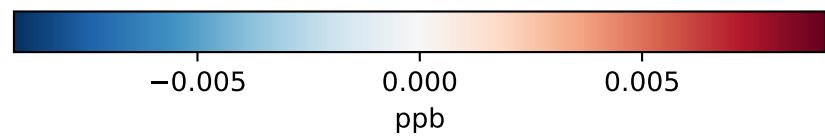
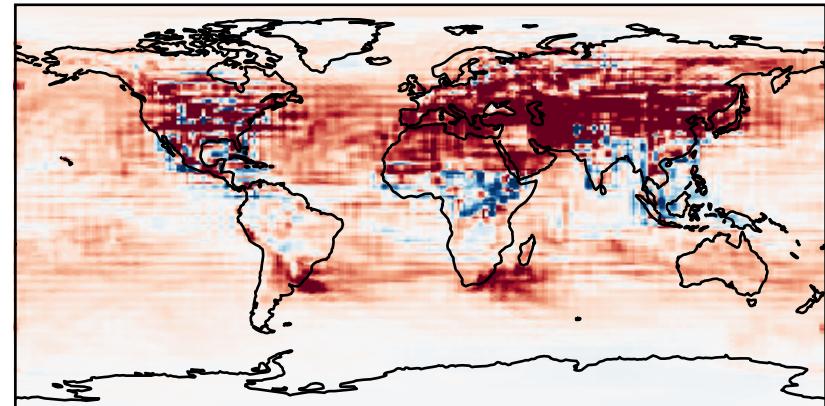
GCHP_12.6.0 (Dev)
c48



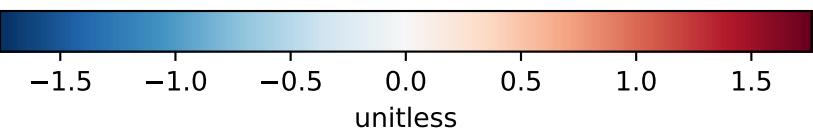
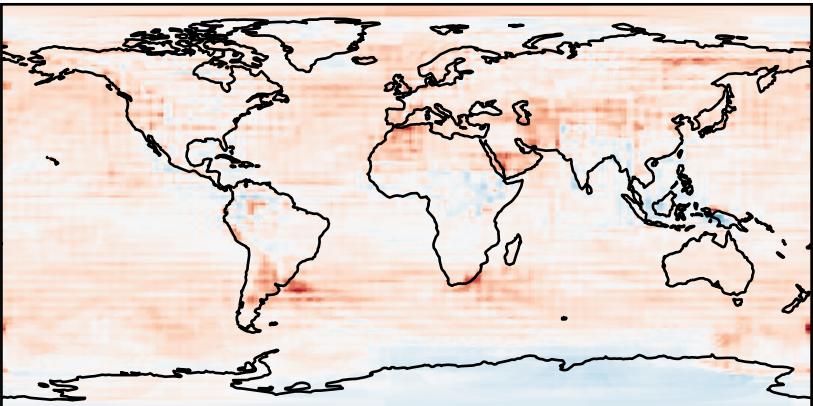
Difference (1x1.25)
Dev - Ref, Dynamic Range



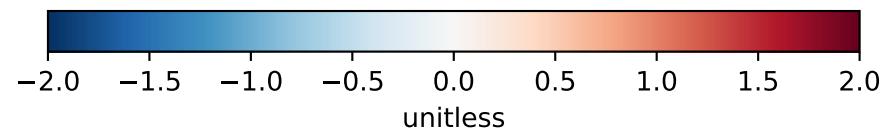
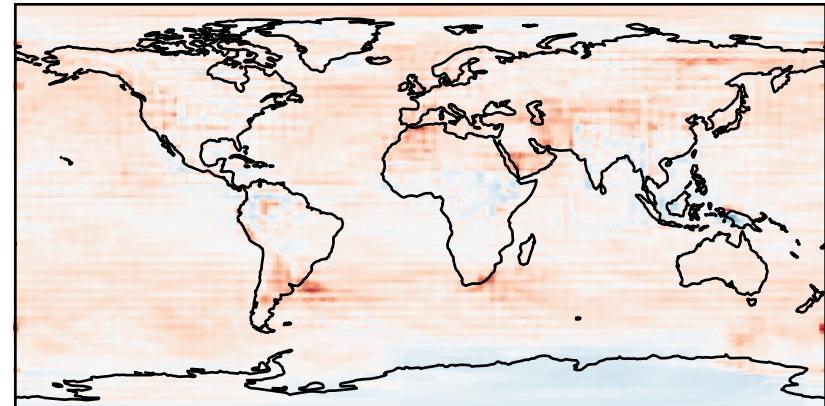
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

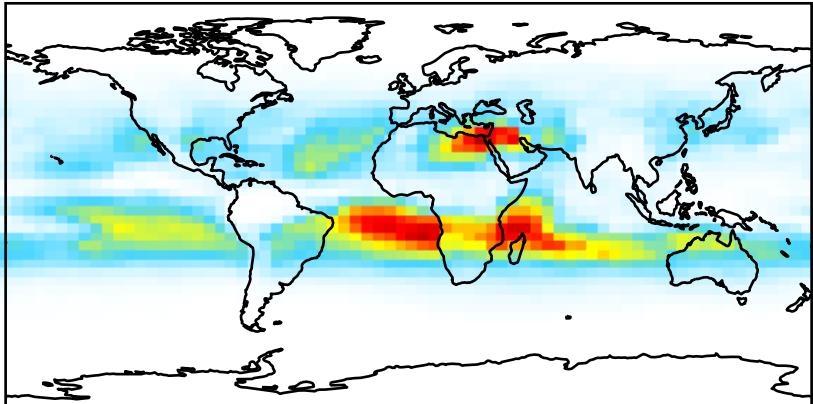


Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range

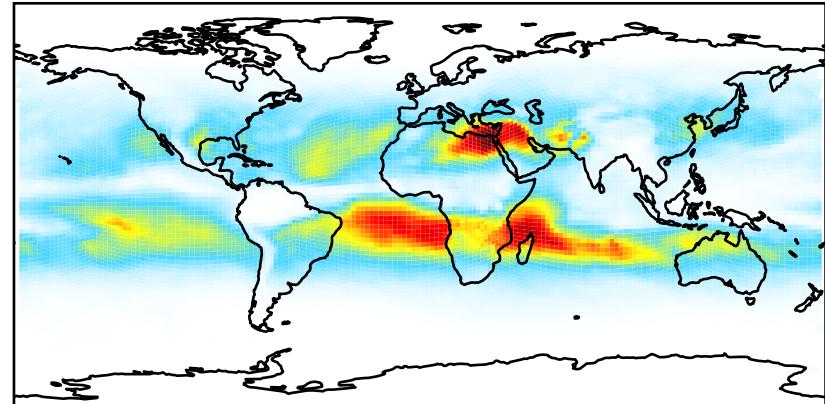


SpeciesConc_NO3

GC_12.6.0 (Ref)
4x5



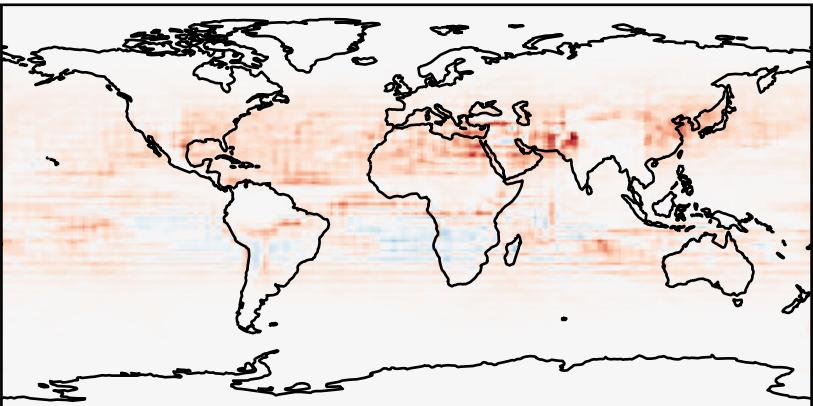
GCHP_12.6.0 (Dev)
c48



0.0015 0.0030
ppb

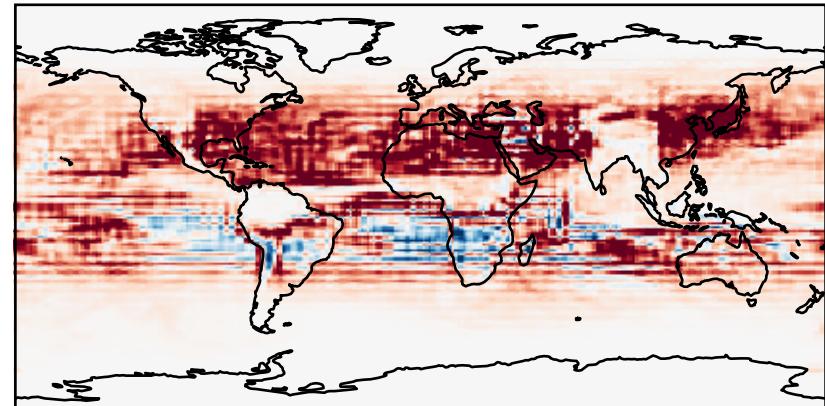
0.0015 0.0030
ppb

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



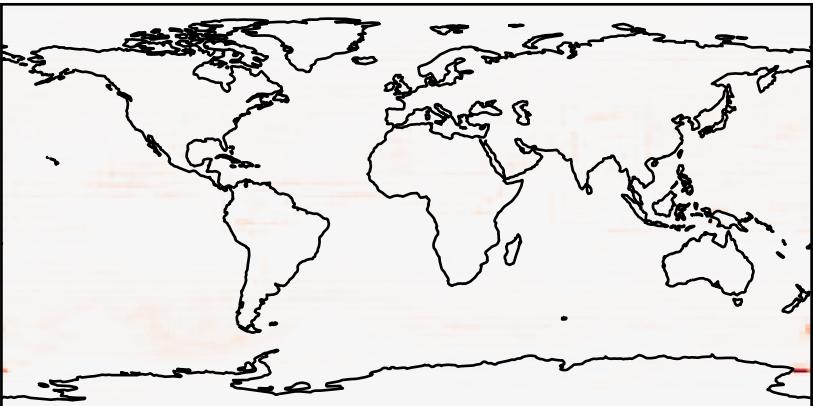
-0.0008 0.0000 0.0008
ppb

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



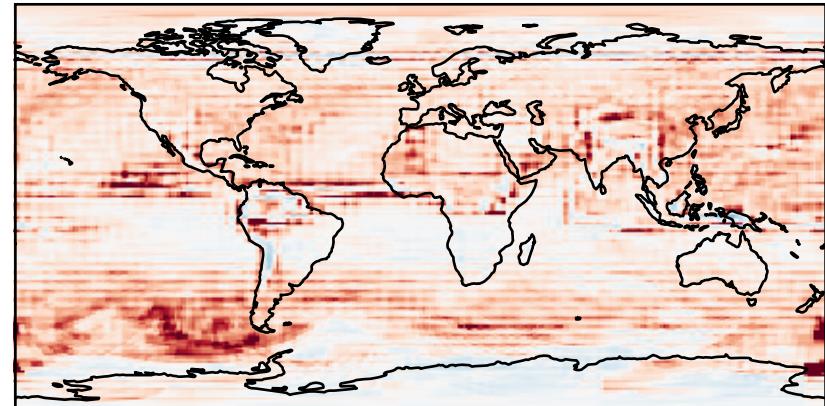
-0.0002 0.0000 0.0002
ppb

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



-30 -20 -10 0 10 20 30
unitless

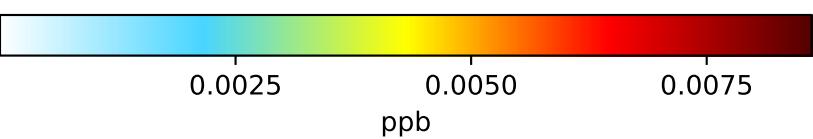
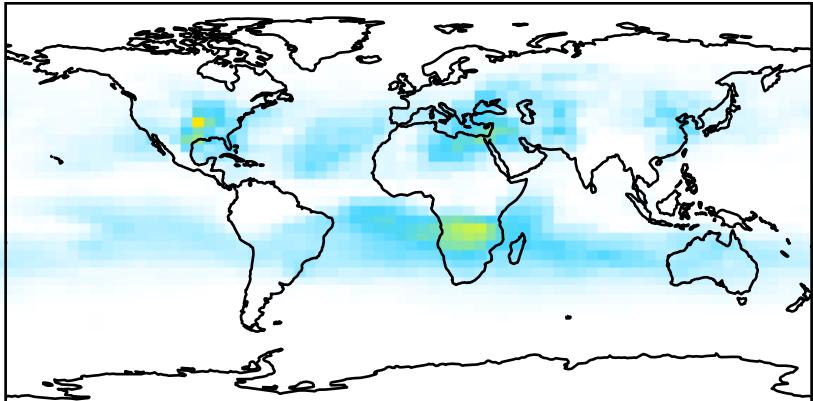
Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range



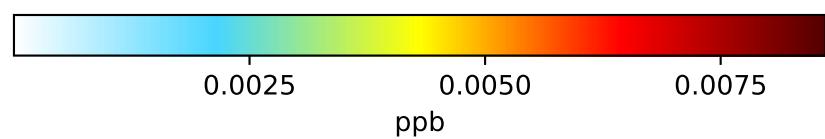
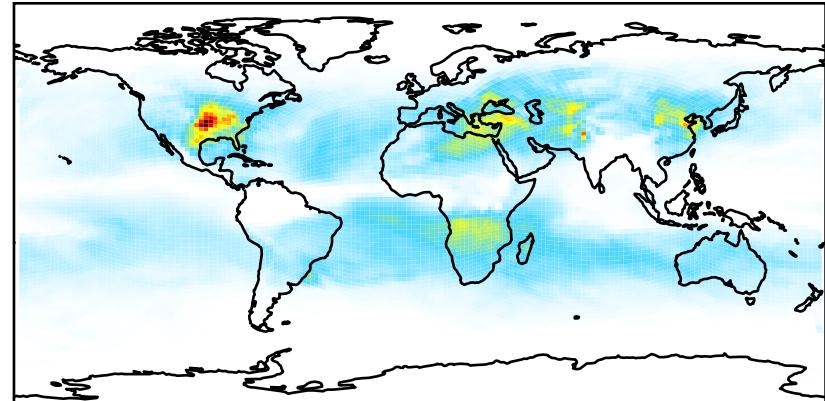
-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0 1.5 2.0
unitless

SpeciesConc_N2O5

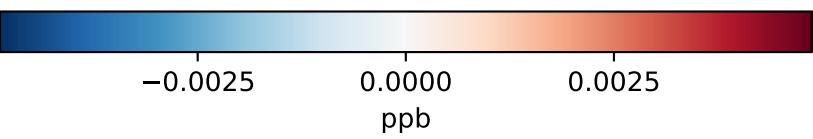
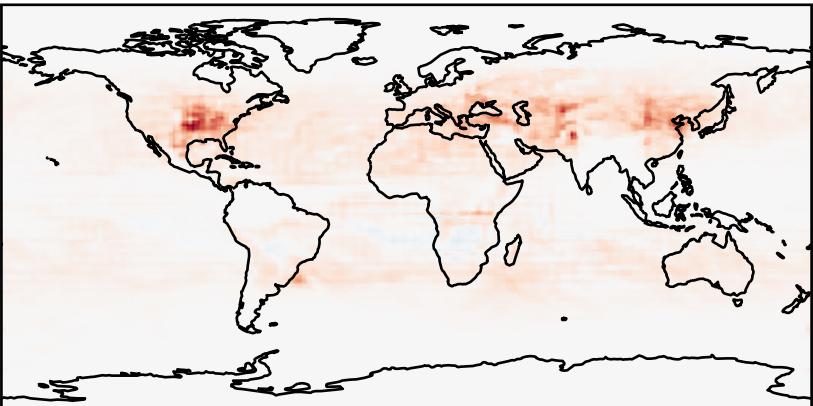
GC_12.6.0 (Ref)
4x5



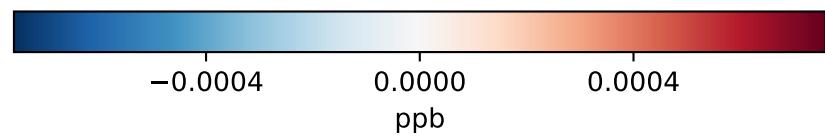
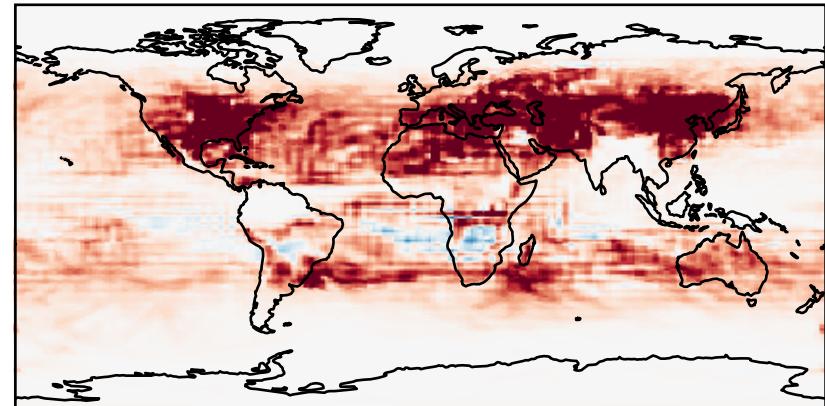
GCHP_12.6.0 (Dev)
c48



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



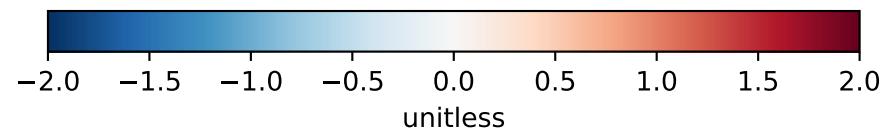
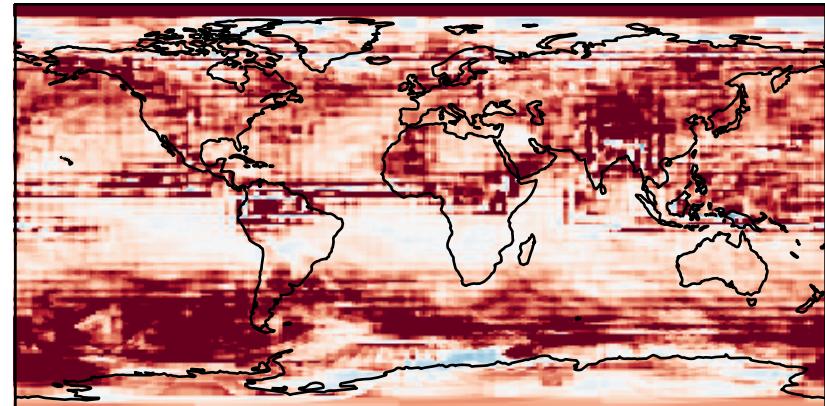
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

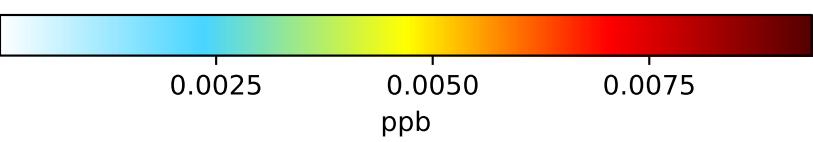
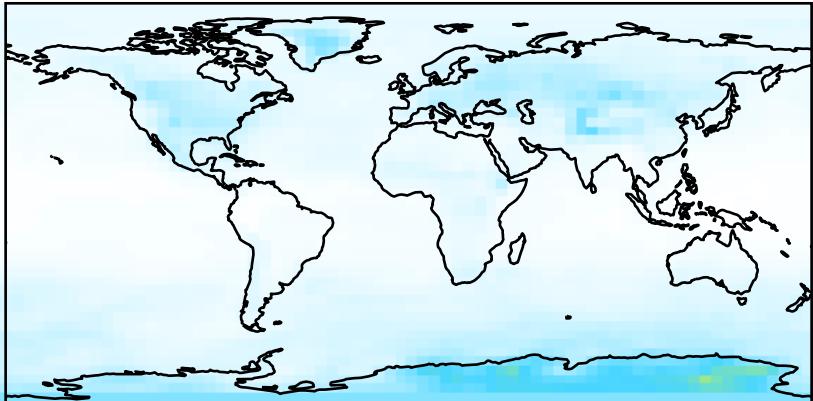


Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range

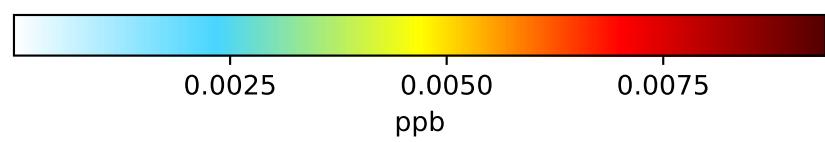
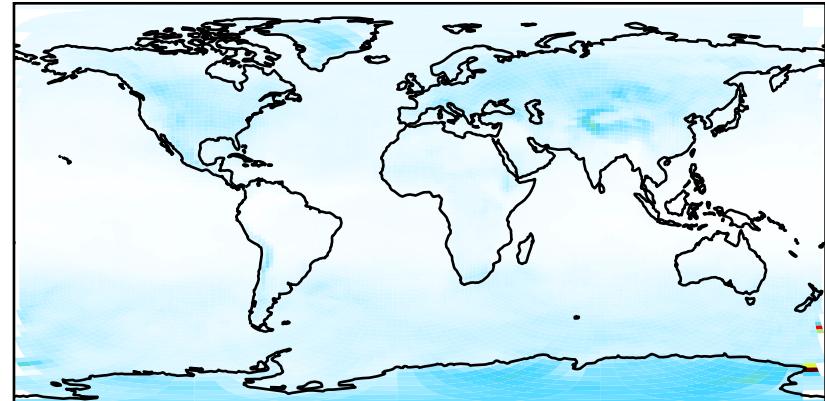


SpeciesConc_MPNN

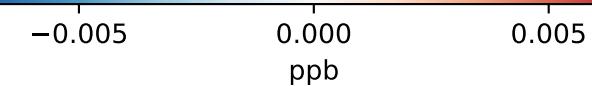
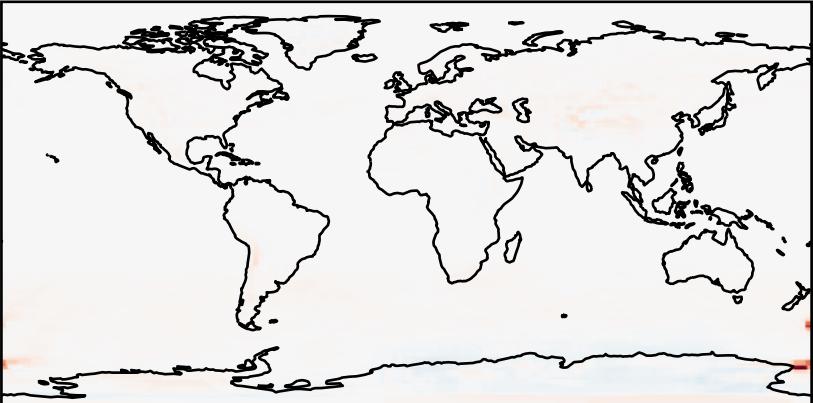
GC_12.6.0 (Ref)
4x5



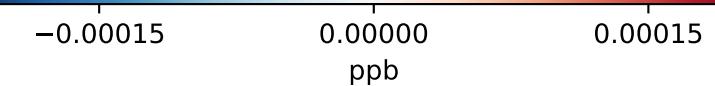
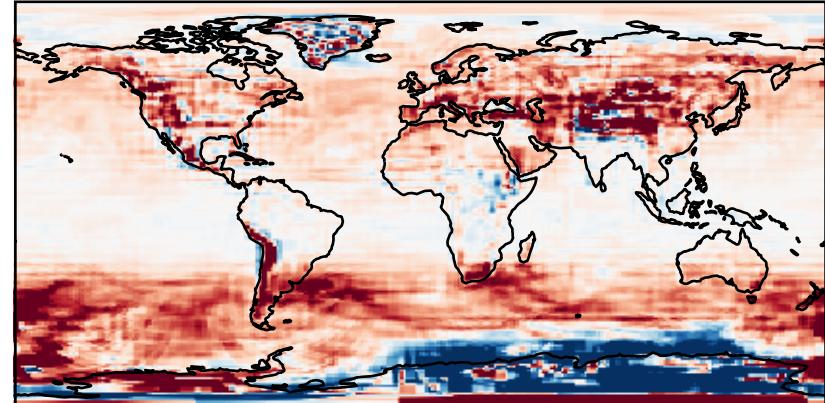
GCHP_12.6.0 (Dev)
c48



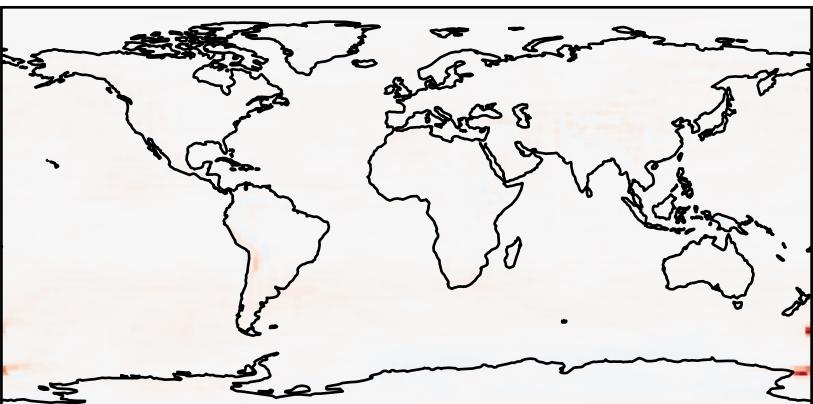
Difference (1x1.25)
Dev - Ref, Dynamic Range



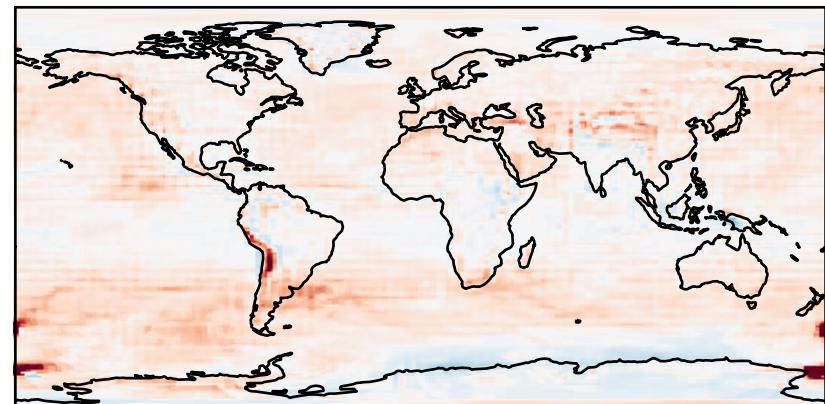
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

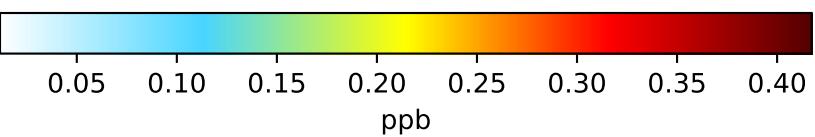
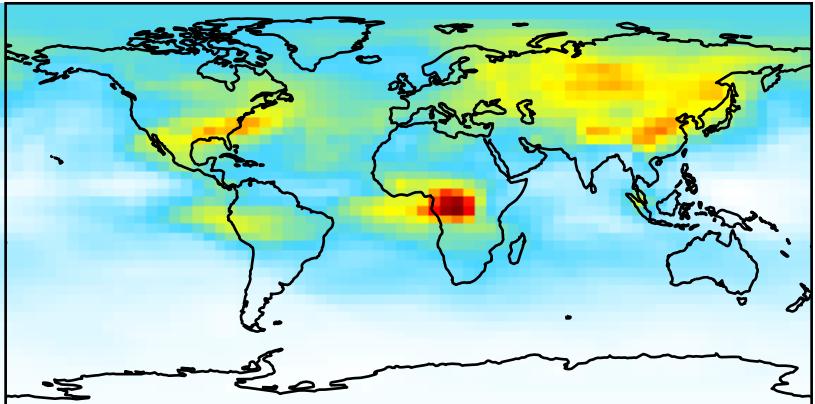


Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range

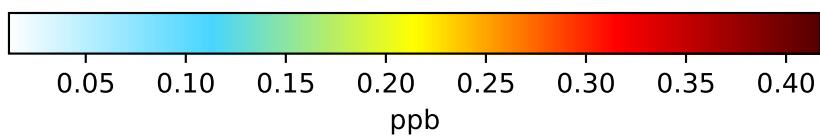
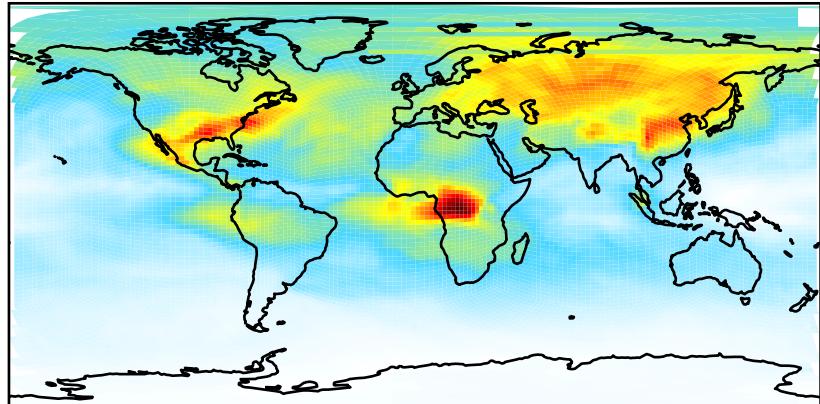


SpeciesConc_PAN

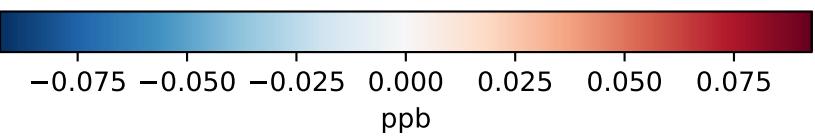
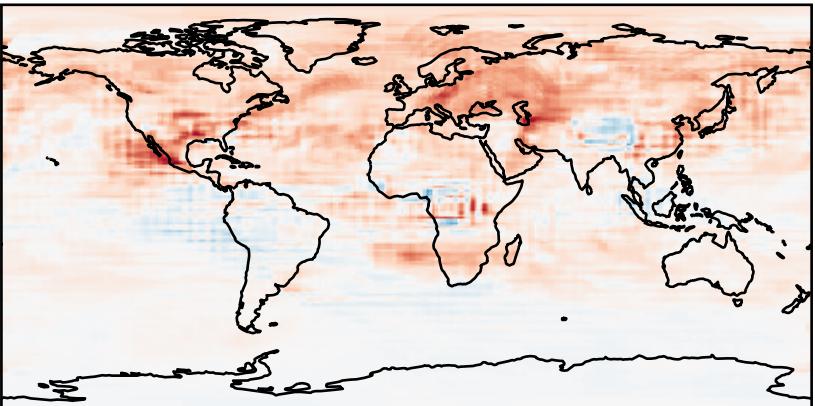
GC_12.6.0 (Ref)
4x5



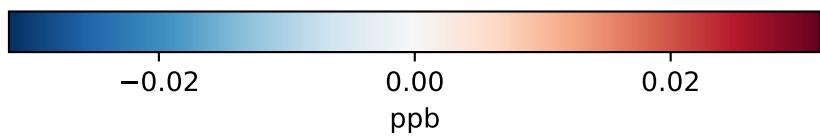
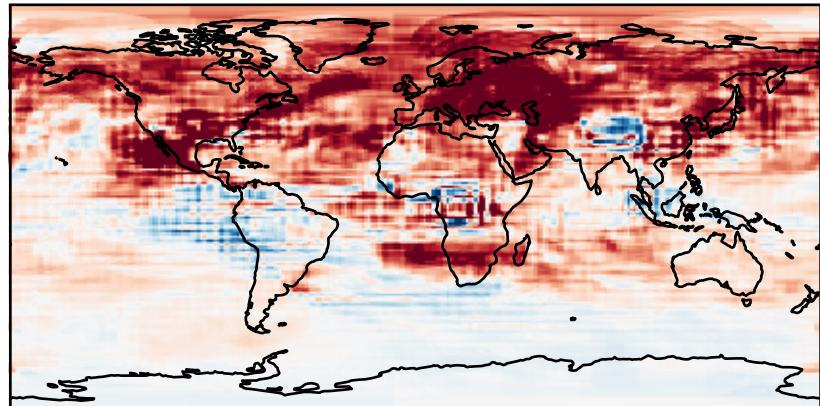
GCHP_12.6.0 (Dev)
c48



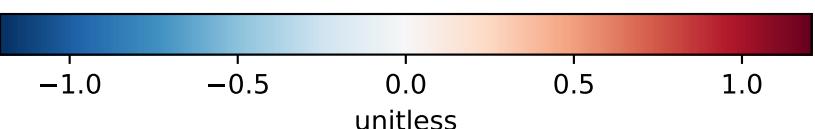
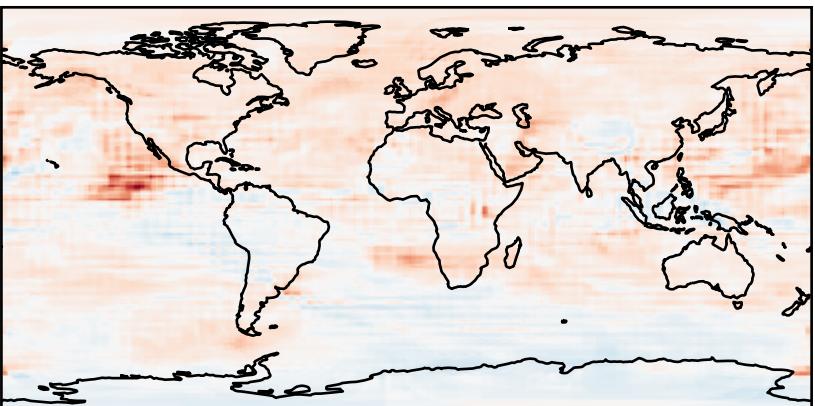
Difference (1x1.25)
Dev - Ref, Dynamic Range



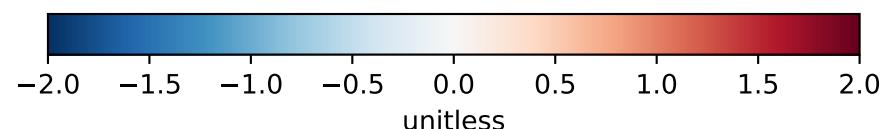
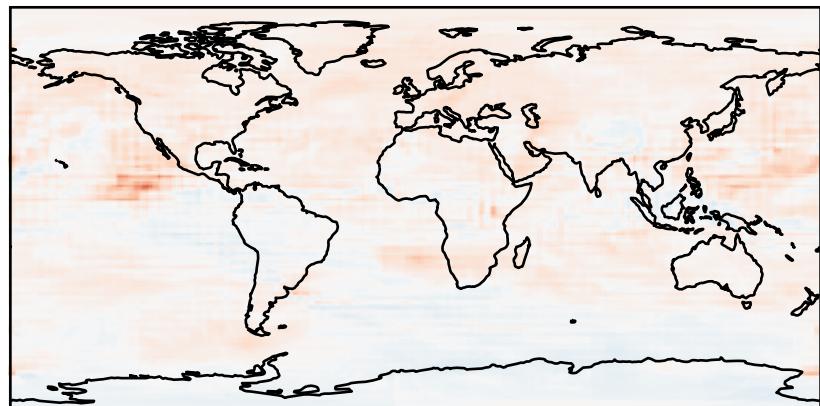
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

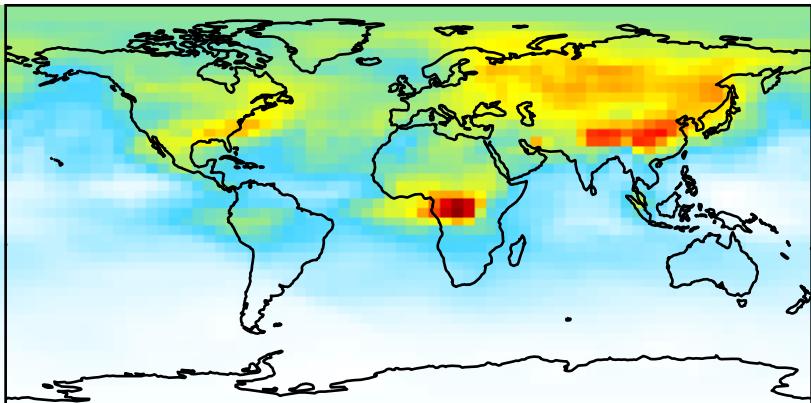


Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range

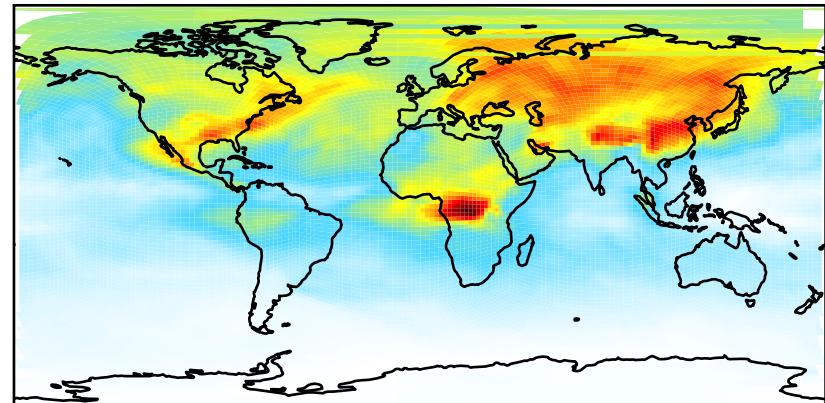


SpeciesConc_PPN

GC_12.6.0 (Ref)
4x5



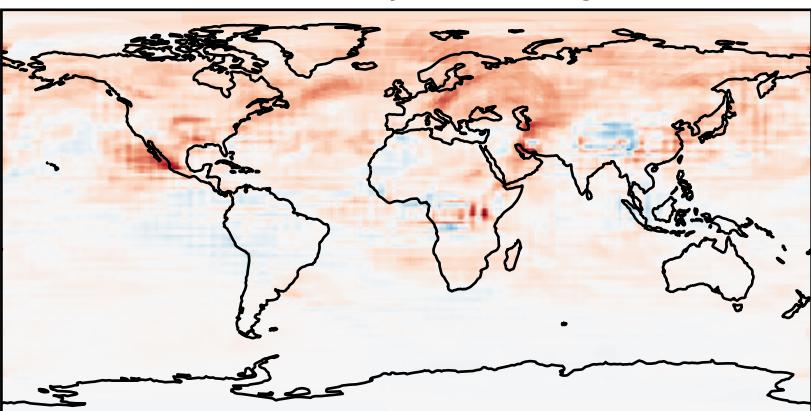
GCHP_12.6.0 (Dev)
c48



0.008 0.016 0.024 0.032
ppb

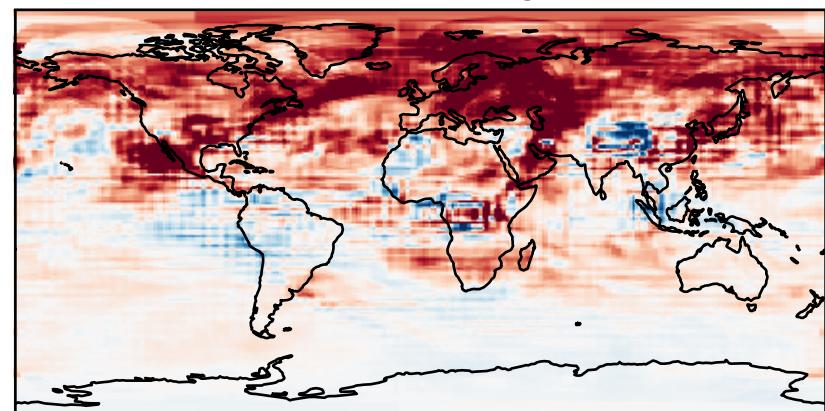
0.008 0.016 0.024 0.032
ppb

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



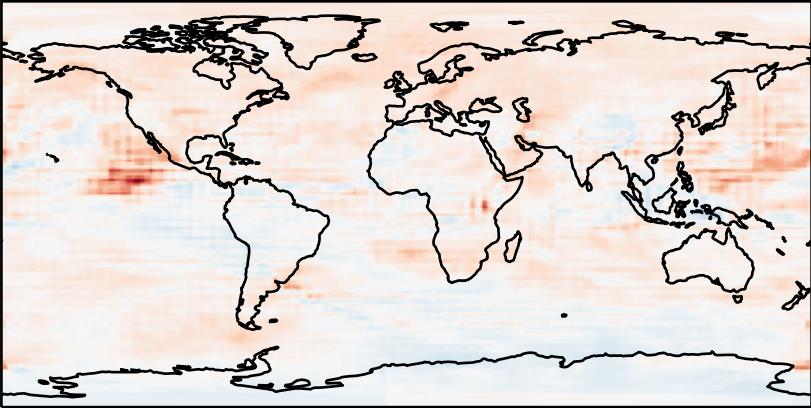
-0.005 0.000 0.005
ppb

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



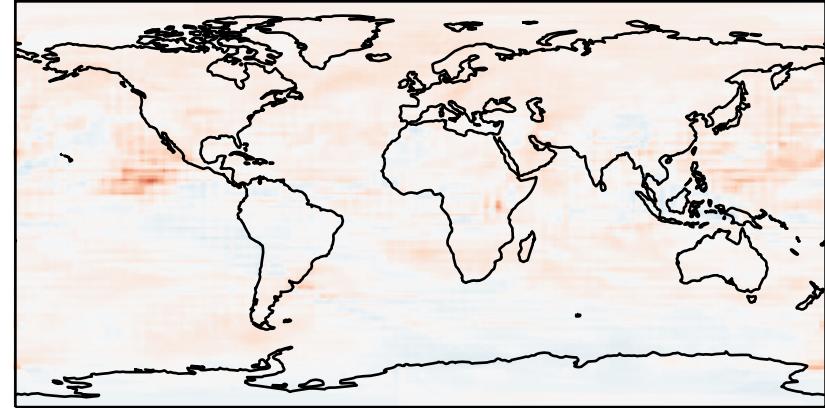
-0.0015 0.0000 0.0015
ppb

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



-1.0 -0.5 0.0 0.5 1.0
unitless

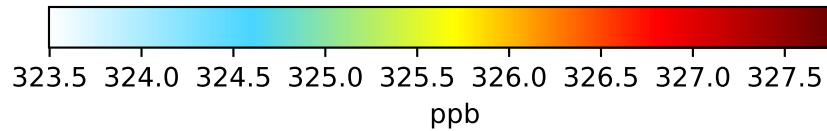
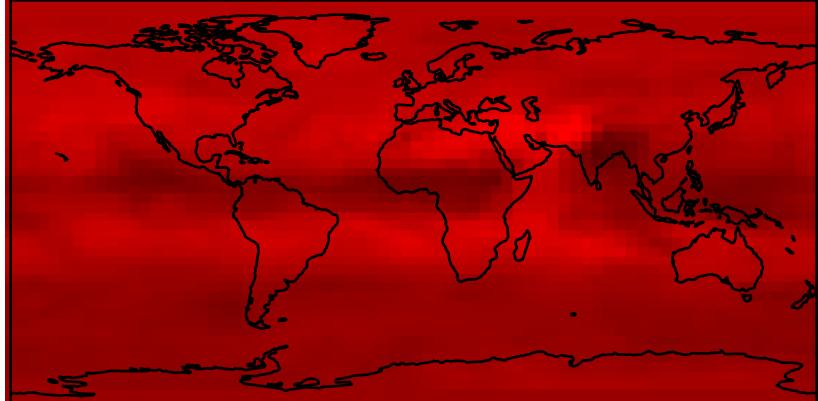
Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range



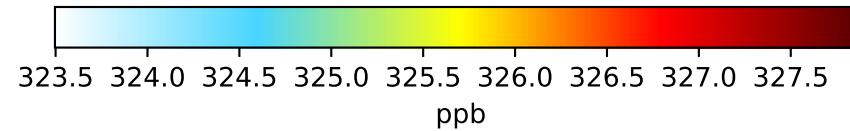
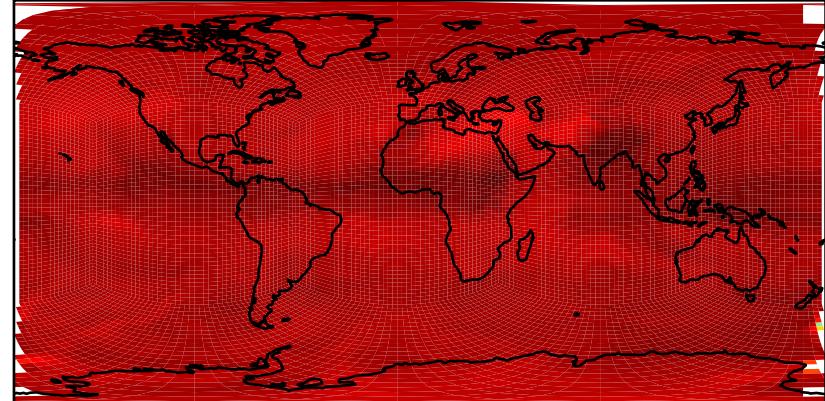
-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0 1.5 2.0
unitless

SpeciesConc_N2O

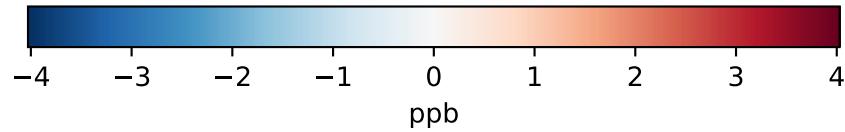
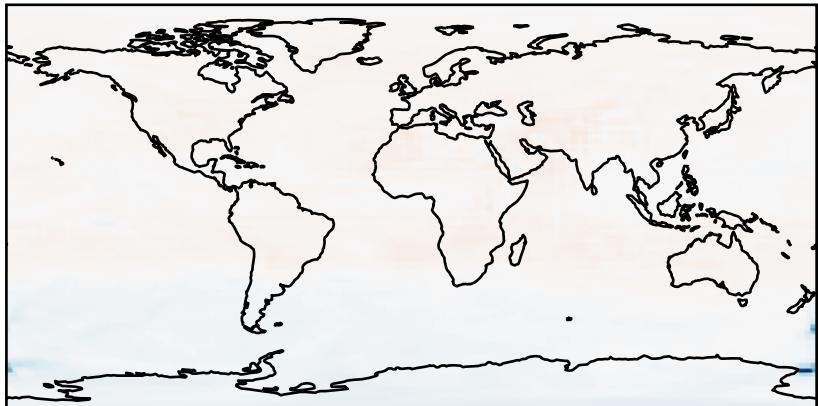
GC_12.6.0 (Ref)
4x5



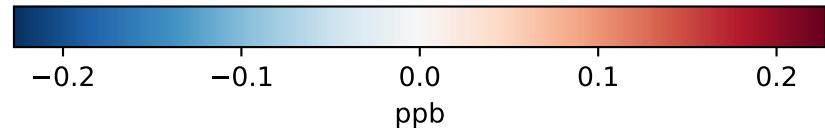
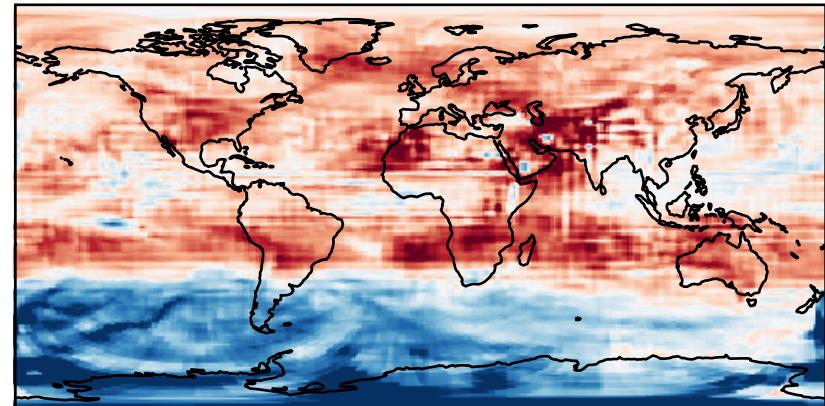
GCHP_12.6.0 (Dev)
c48



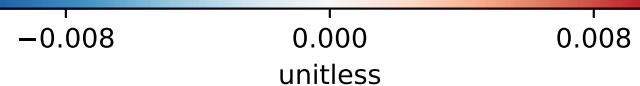
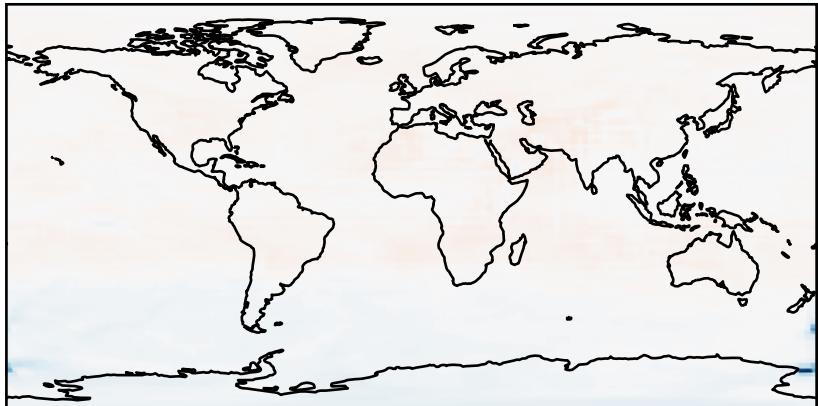
Difference (1x1.25)
Dev - Ref, Dynamic Range



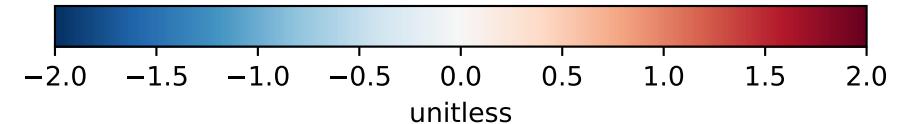
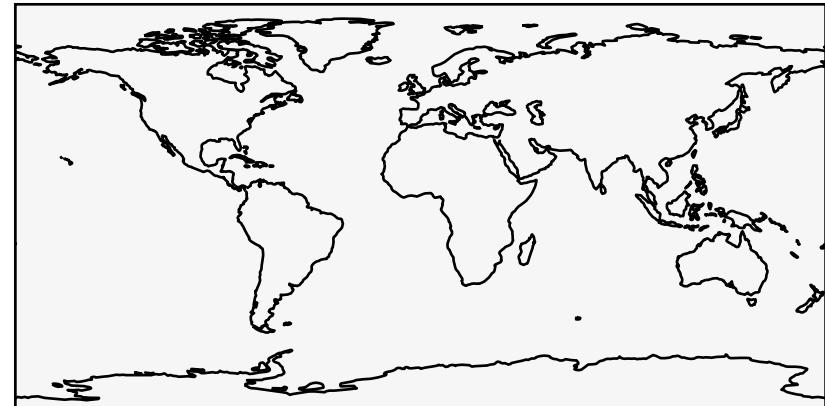
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

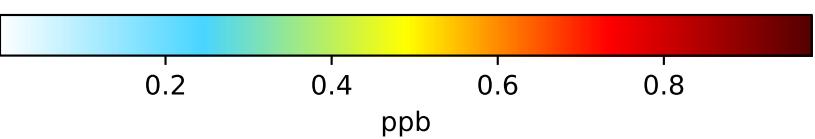
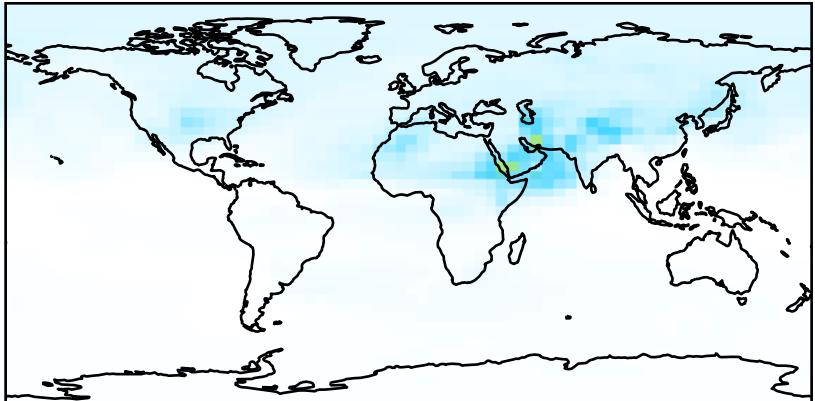


Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range

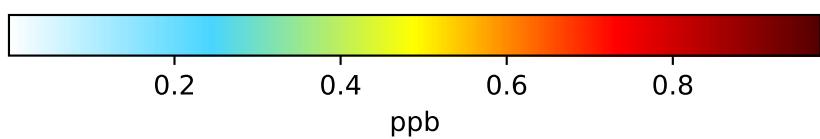
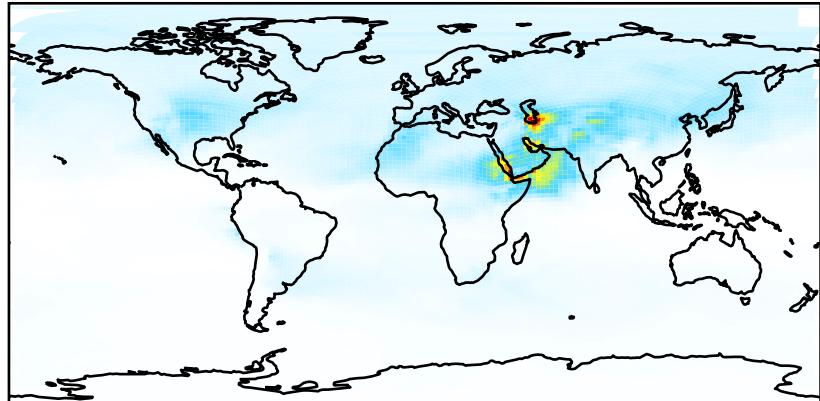


SpeciesConc_NHx

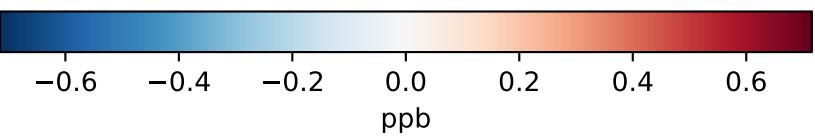
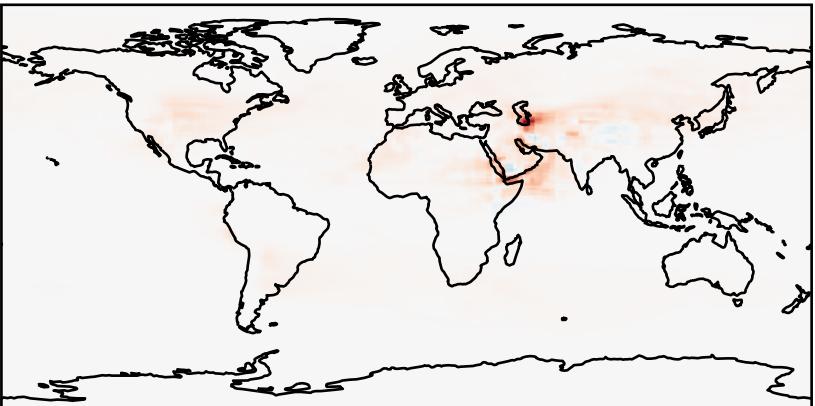
GC_12.6.0 (Ref)
4x5



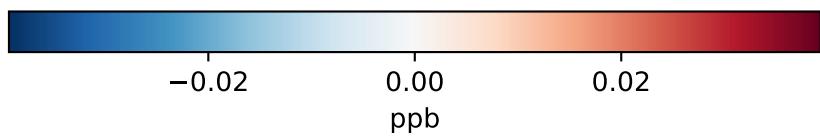
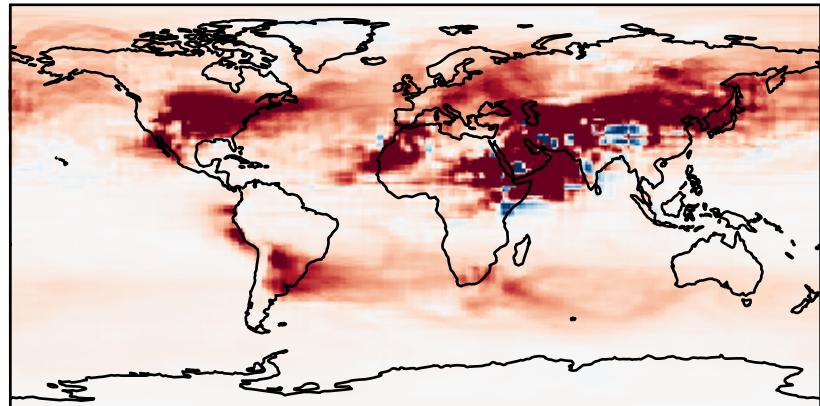
GCHP_12.6.0 (Dev)
c48



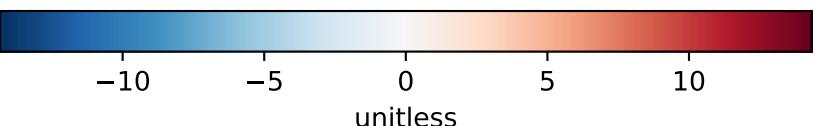
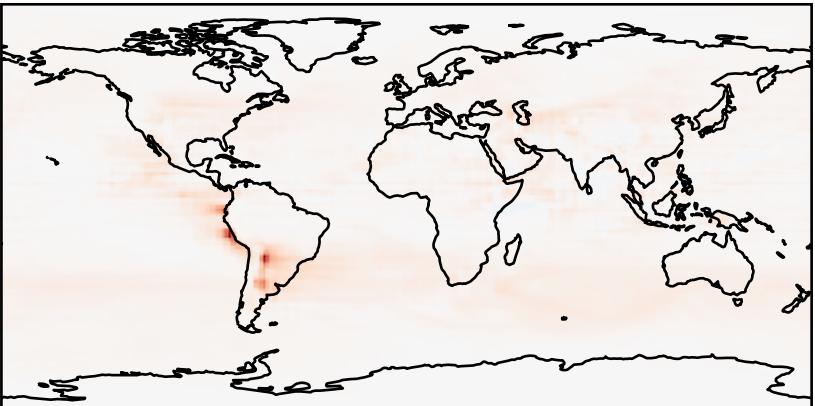
Difference (1x1.25)
Dev - Ref, Dynamic Range



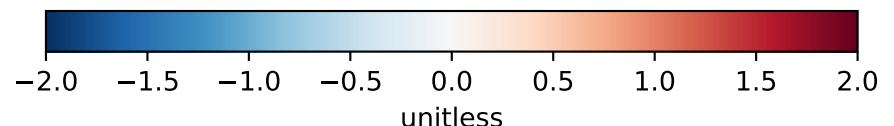
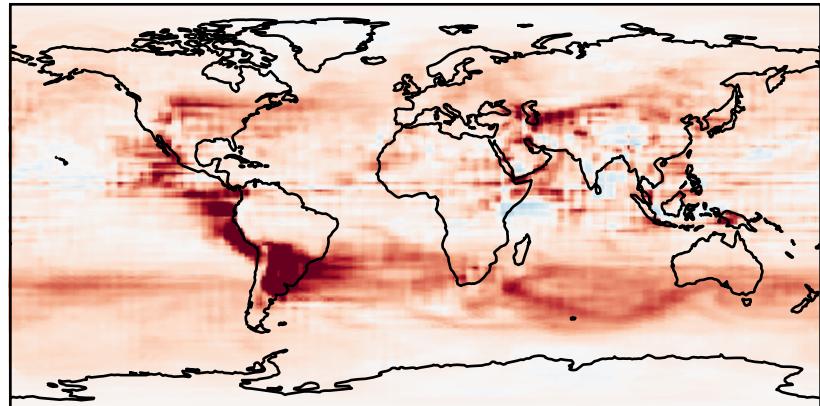
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

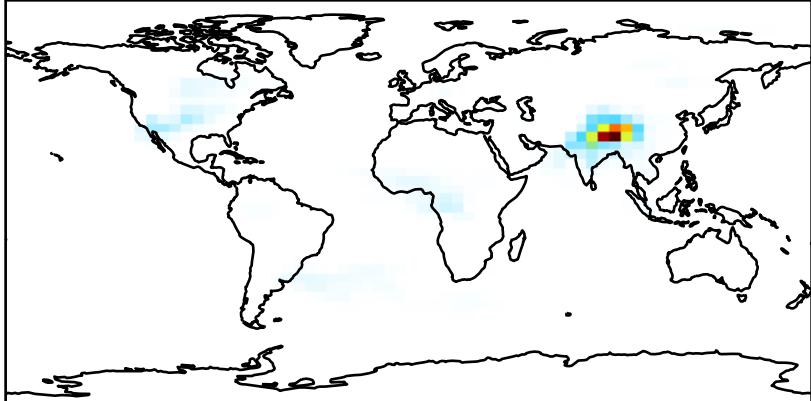


Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range

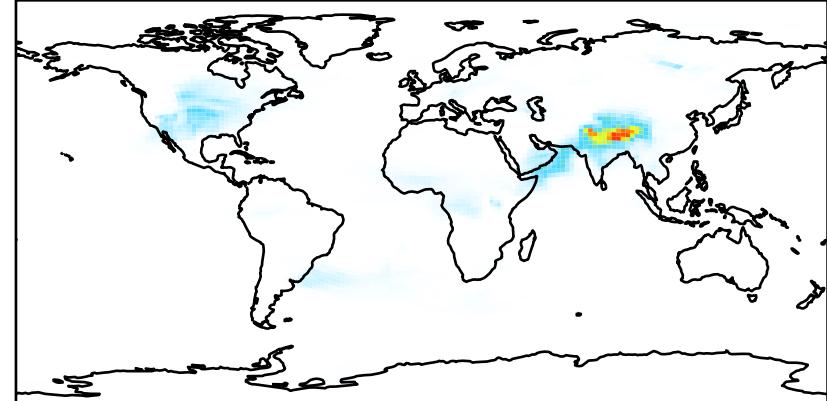


SpeciesConc_NH3

GC_12.6.0 (Ref)
4x5



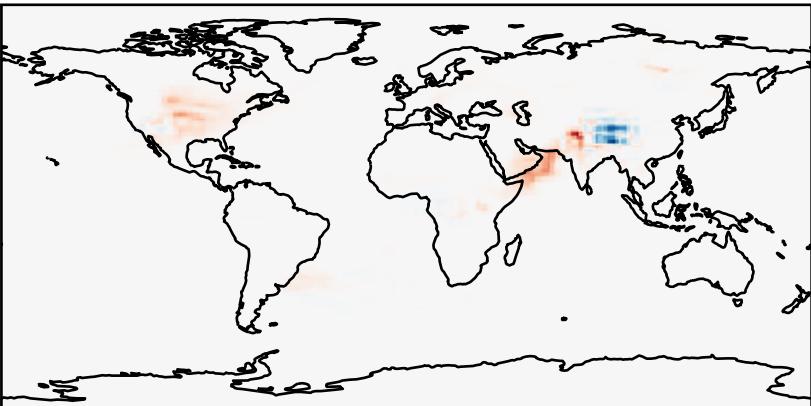
GCHP_12.6.0 (Dev)
c48



0.025 0.050 0.075
ppb

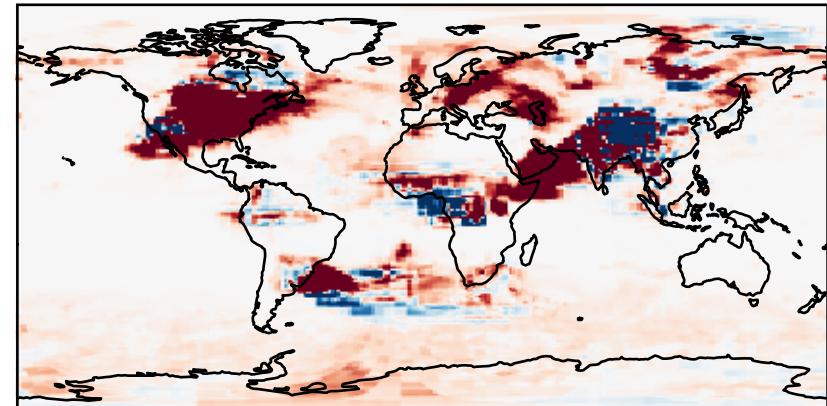
0.025 0.050 0.075
ppb

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



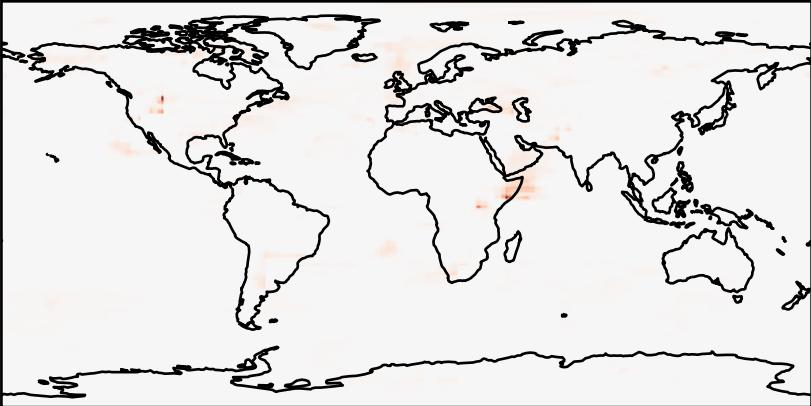
-0.025 0.000 0.025
ppb

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



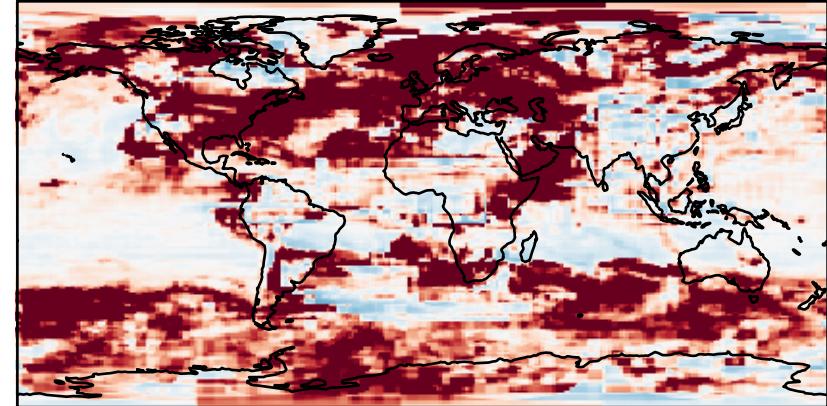
-0.0004 0.0000 0.0004
ppb

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



-250 0 250
unitless

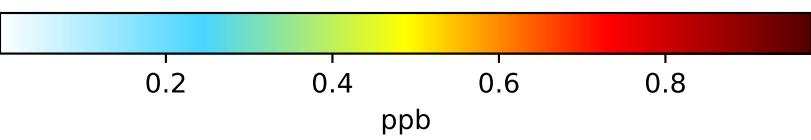
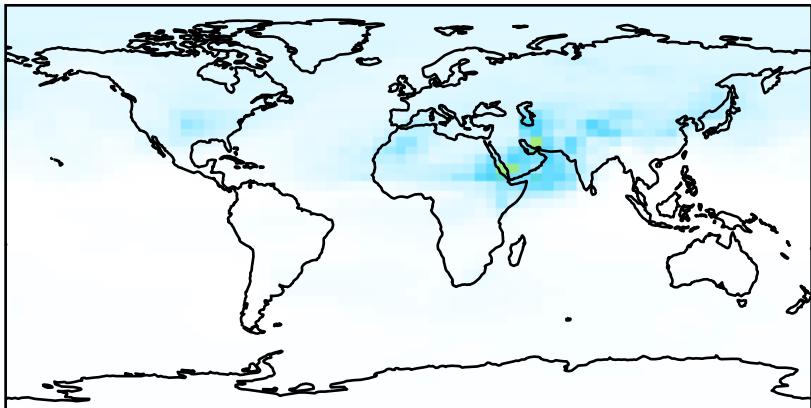
Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range



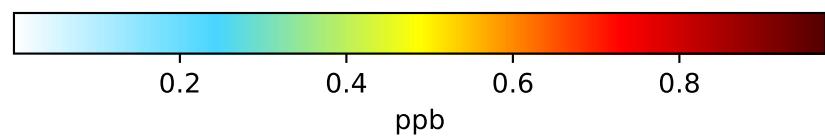
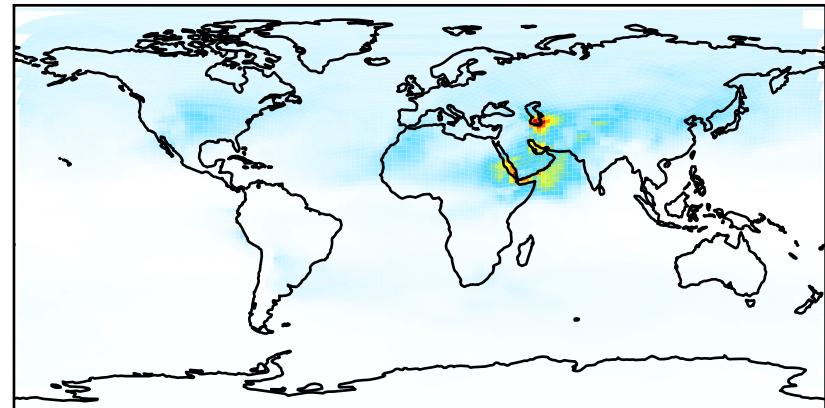
-2.0 -1.0 -0.5 0.0 0.5 1.0 1.5 2.0
unitless

SpeciesConc_NH4

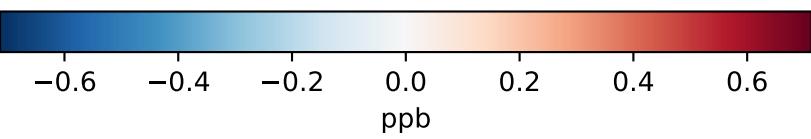
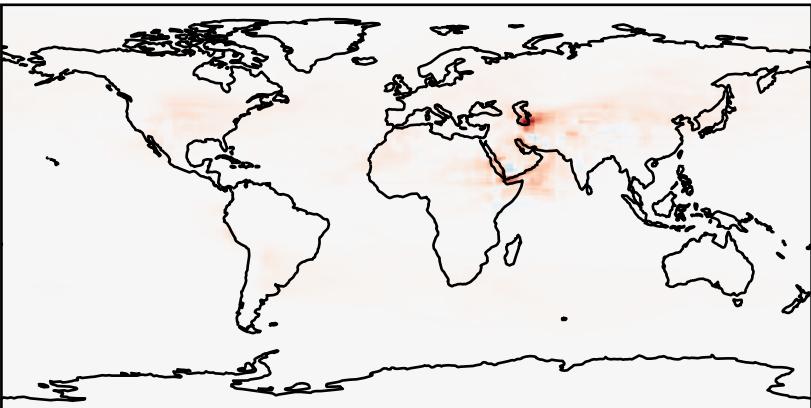
GC_12.6.0 (Ref)
4x5



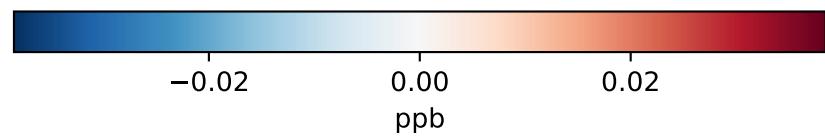
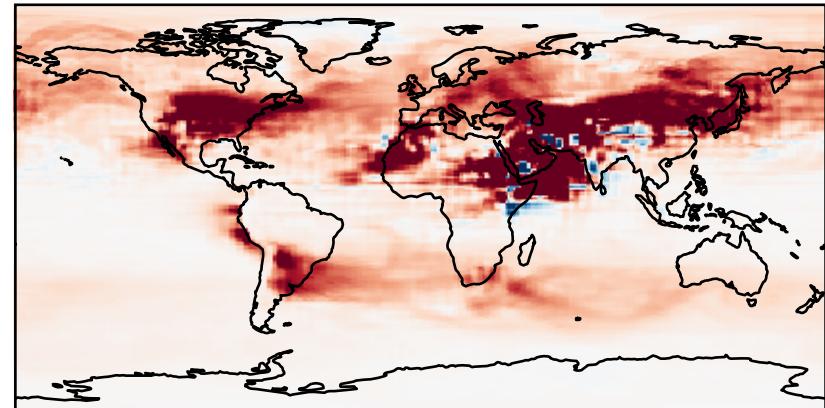
GCHP_12.6.0 (Dev)
c48



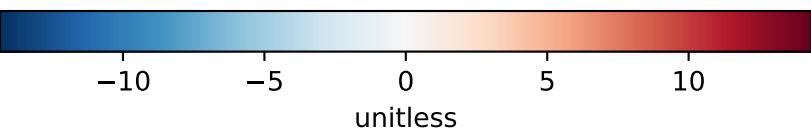
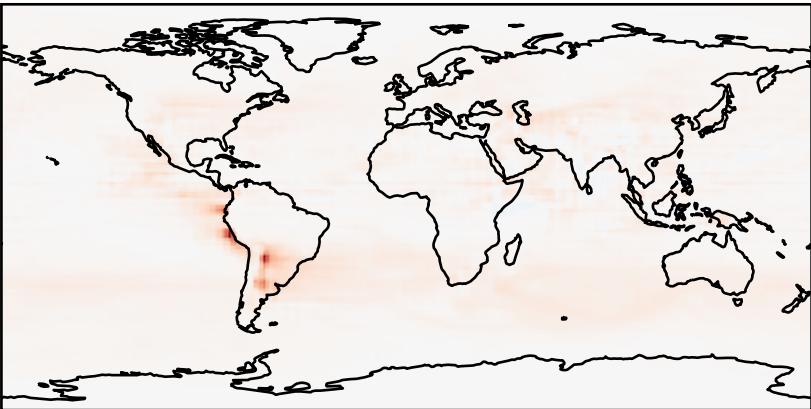
Difference (1x1.25)
Dev - Ref, Dynamic Range



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

