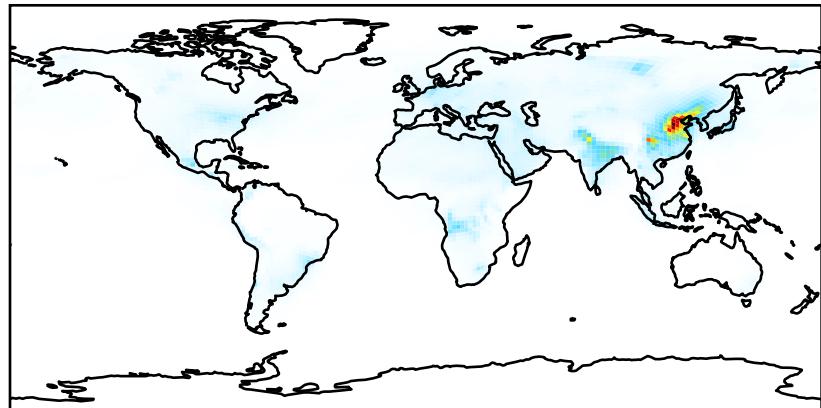
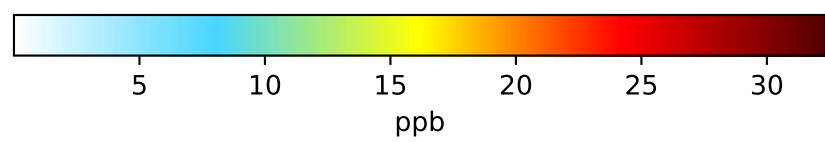
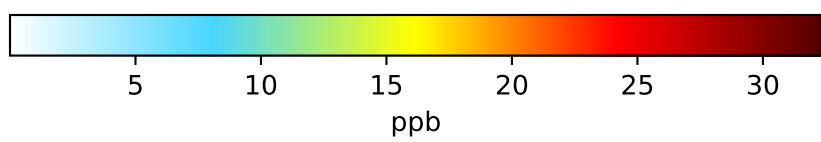
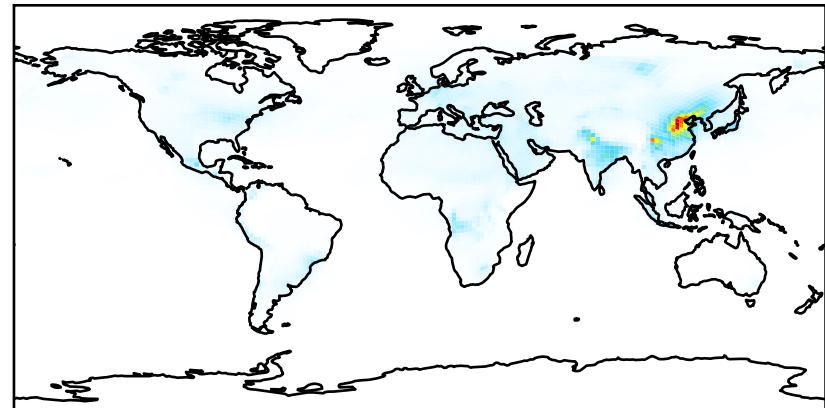


SpeciesConc_NH4

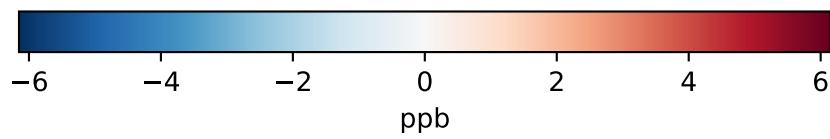
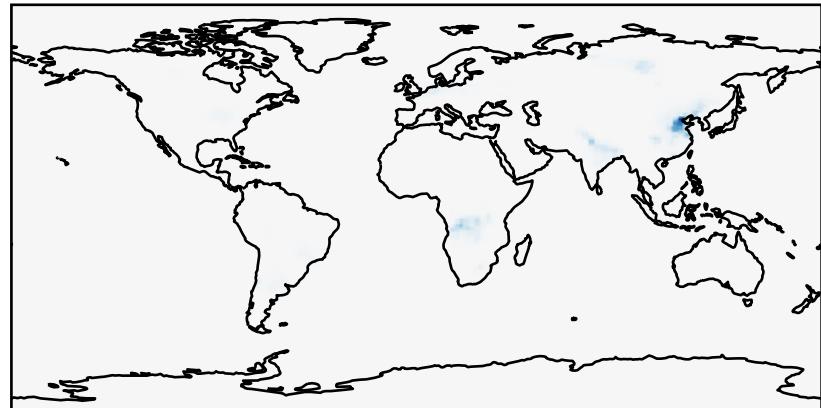
GCHP_12.5.0 (Ref)
c48



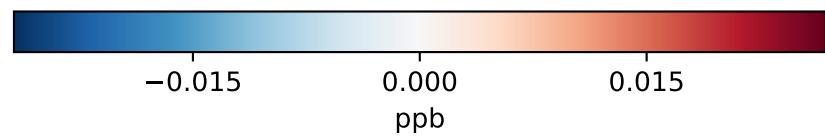
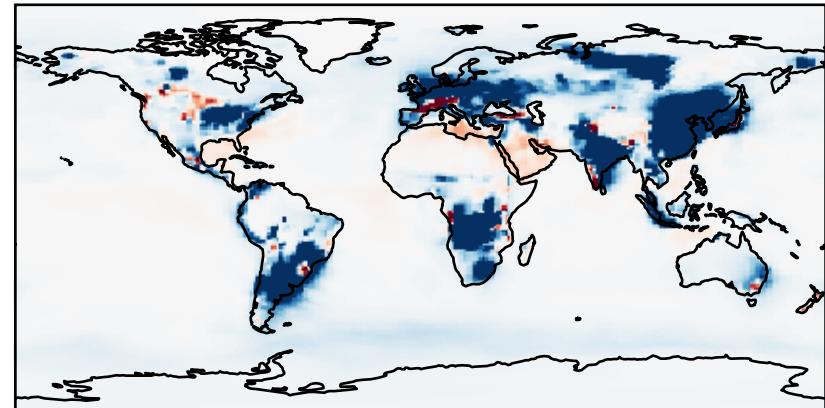
GCHP_12.6.0 (Dev)
c48



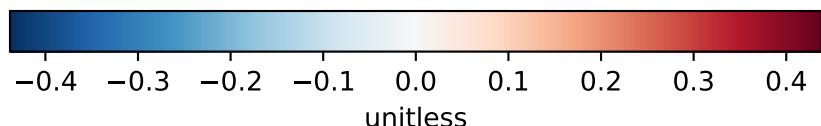
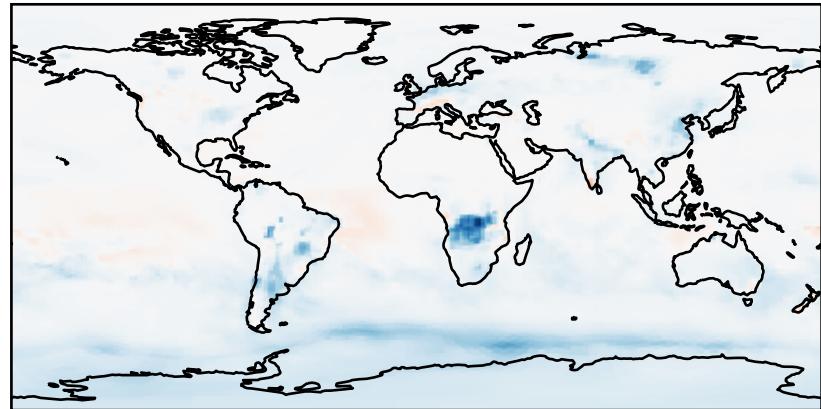
Difference (1x1.25)
Dev - Ref, Dynamic Range



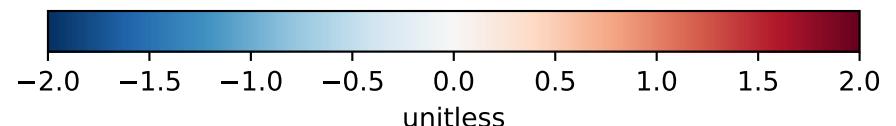
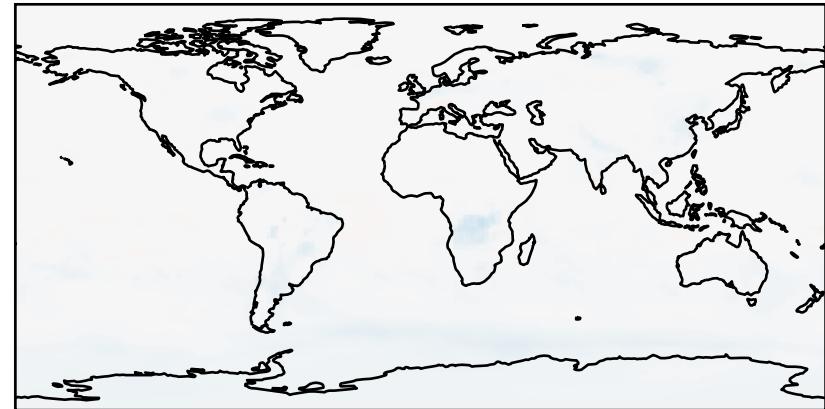
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

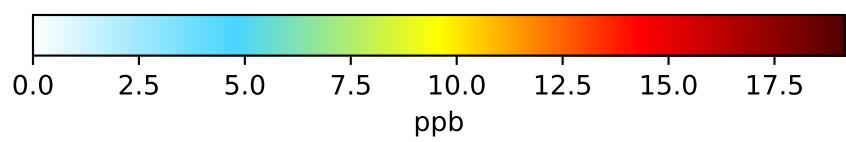
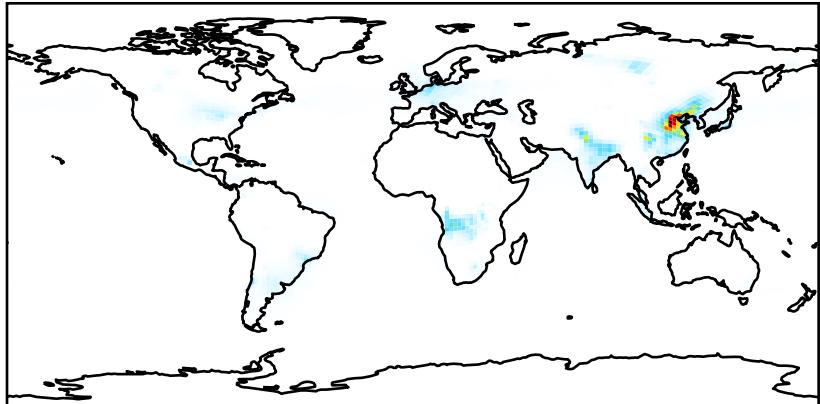


Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range

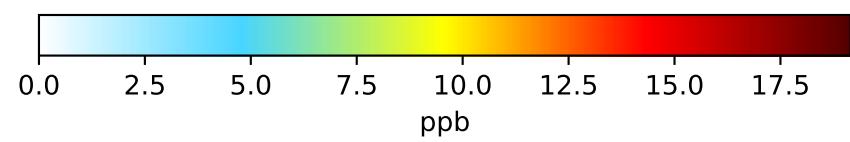
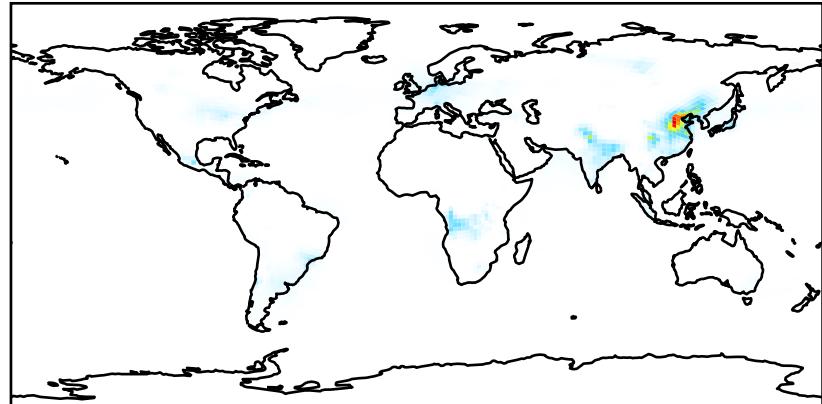


SpeciesConc_NIT

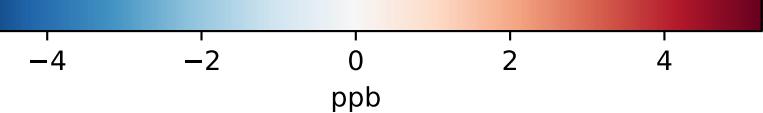
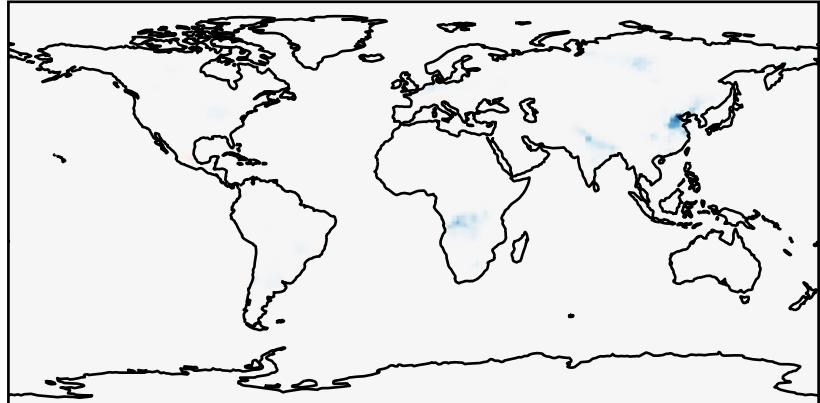
GCHP_12.5.0 (Ref)
c48



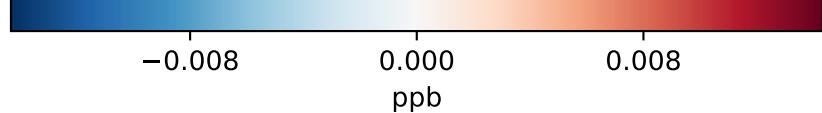
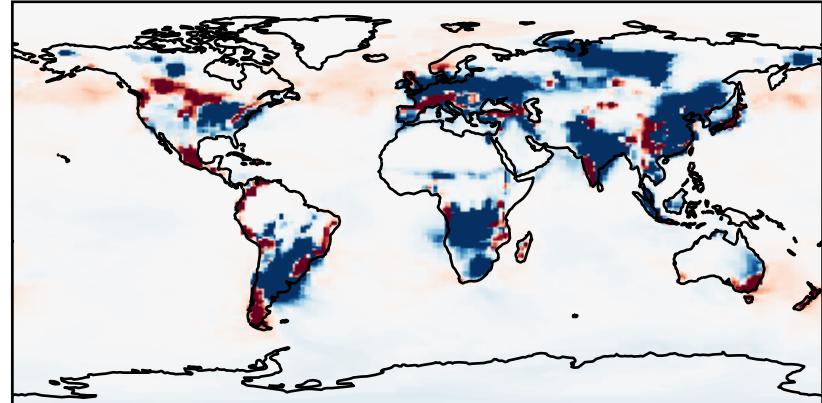
GCHP_12.6.0 (Dev)
c48



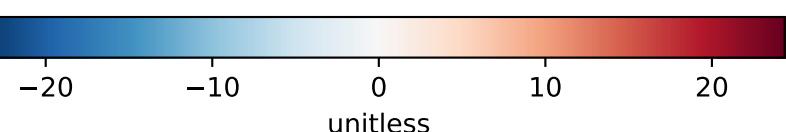
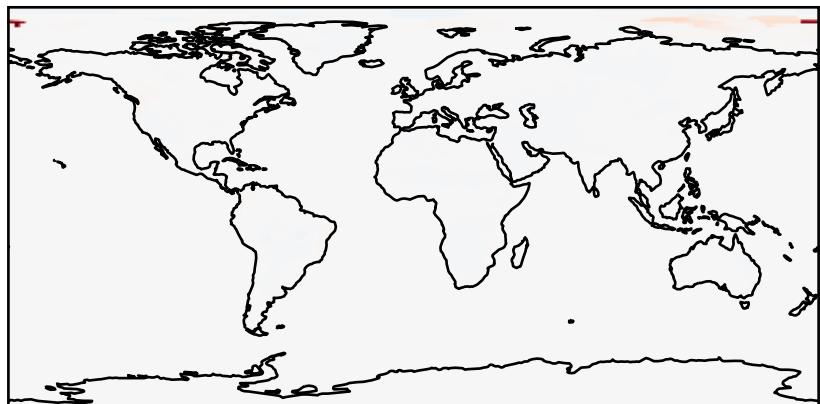
Difference (1x1.25)
Dev - Ref, Dynamic Range



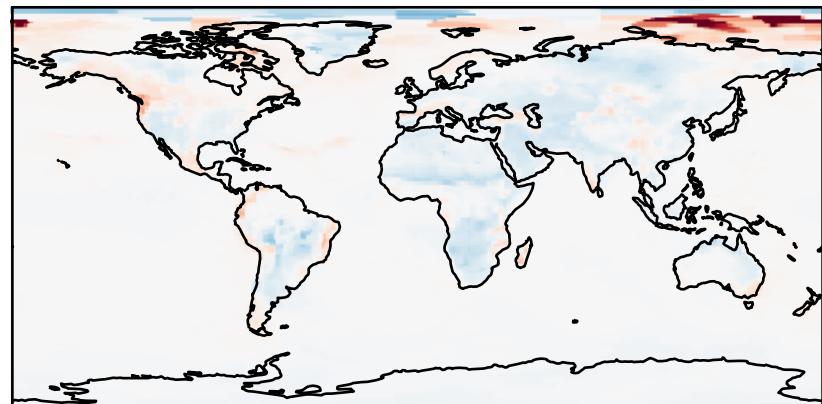
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

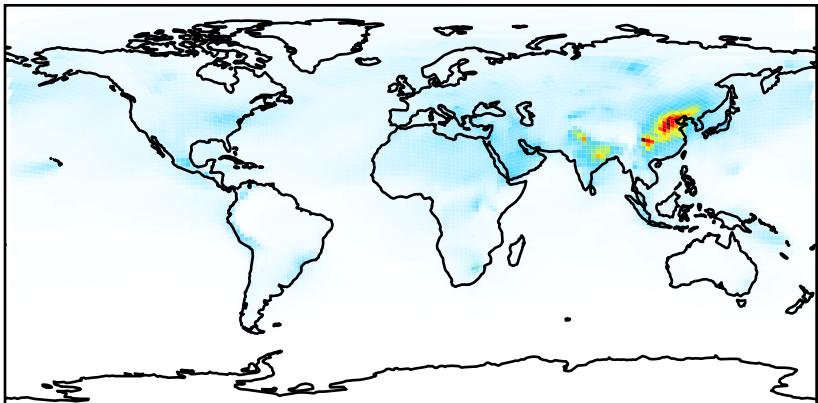


Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range

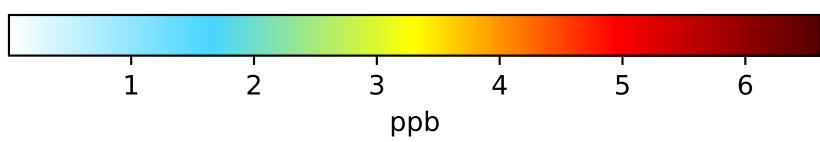
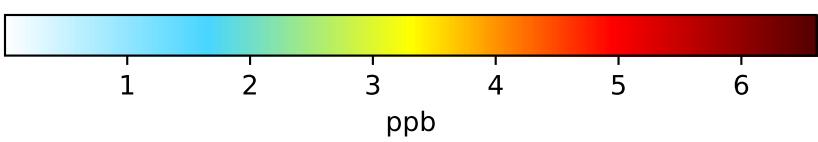
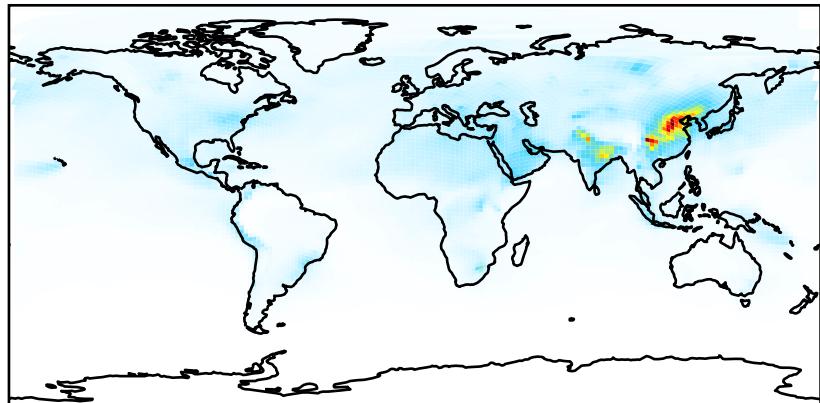


SpeciesConc_SO4

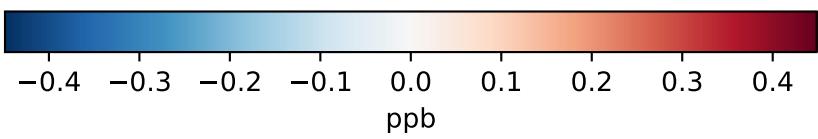
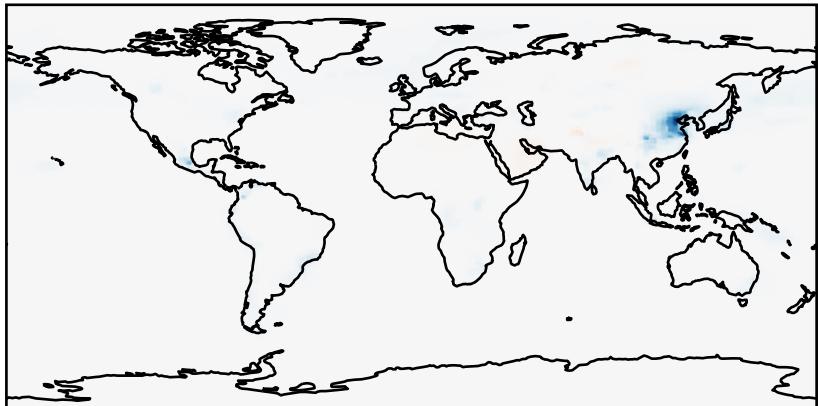
GCHP_12.5.0 (Ref)
c48



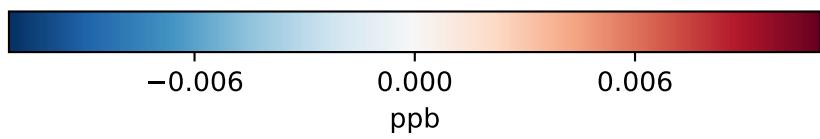
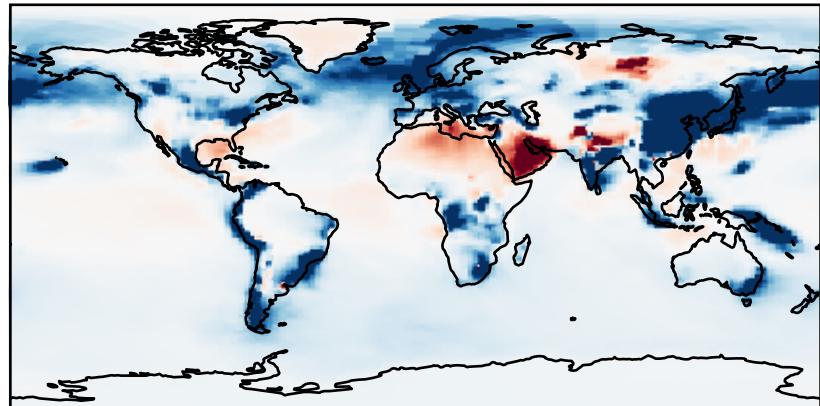
GCHP_12.6.0 (Dev)
c48



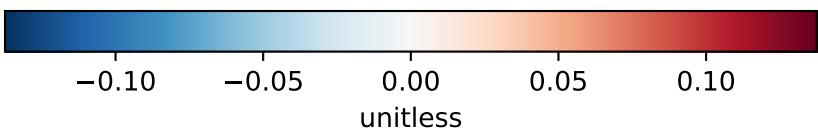
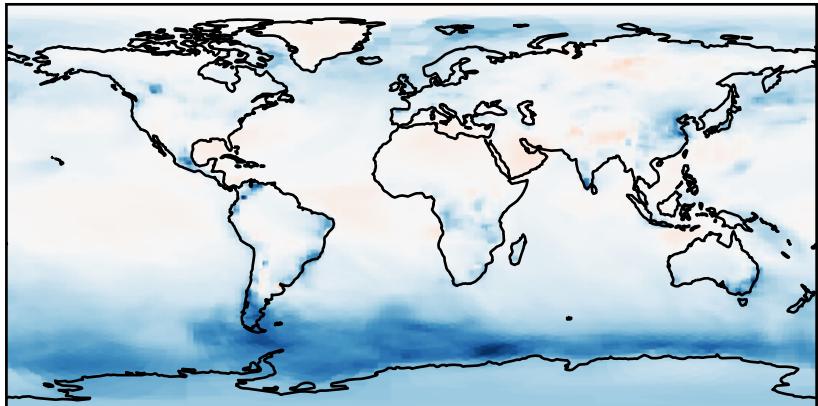
Difference (1x1.25)
Dev - Ref, Dynamic Range



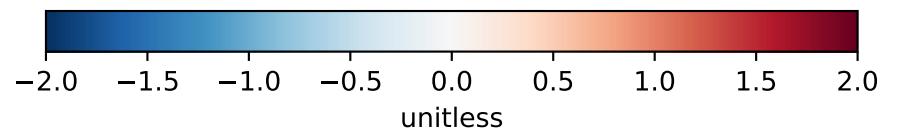
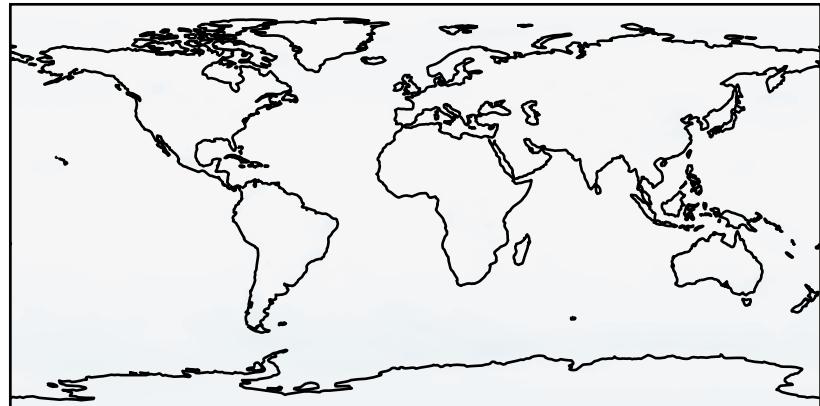
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

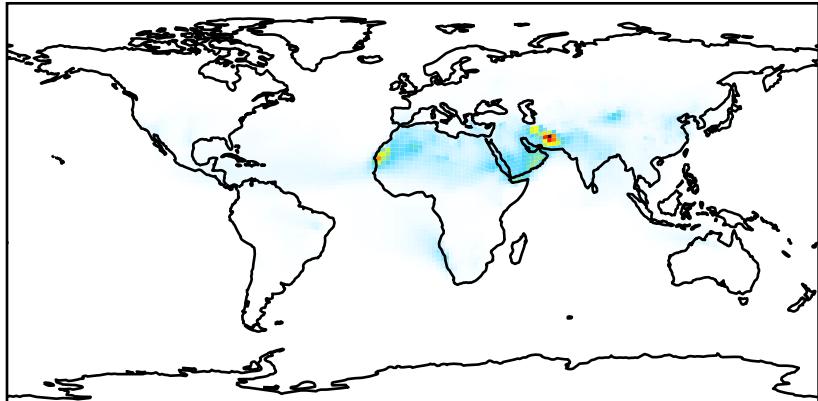


Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range

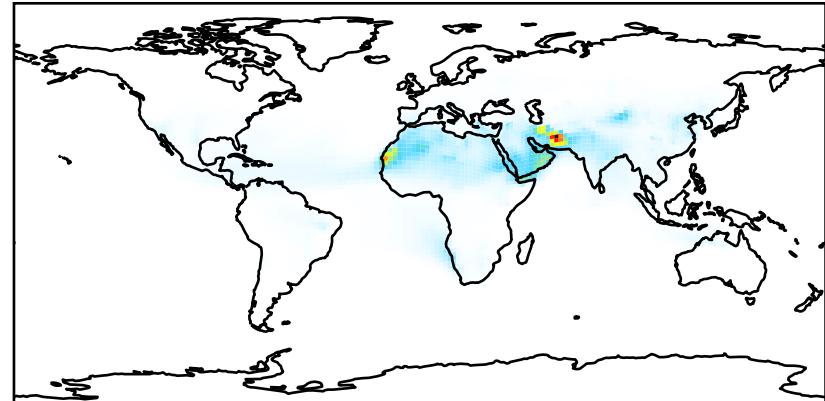


SpeciesConc_DST1

GCHP_12.5.0 (Ref)
c48



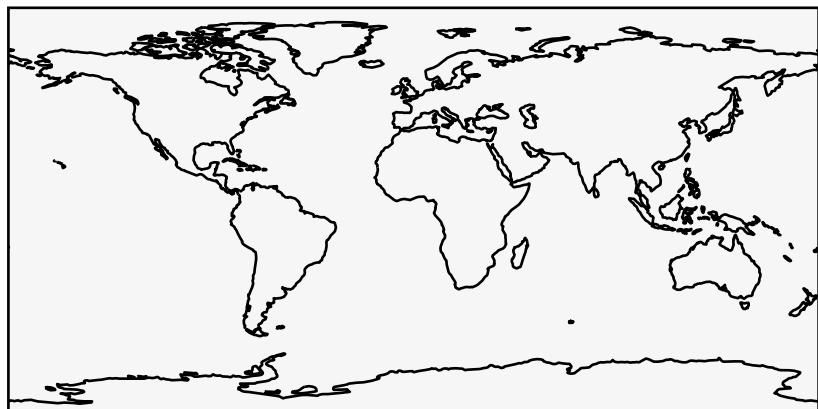
GCHP_12.6.0 (Dev)
c48



40 80 120
ppb

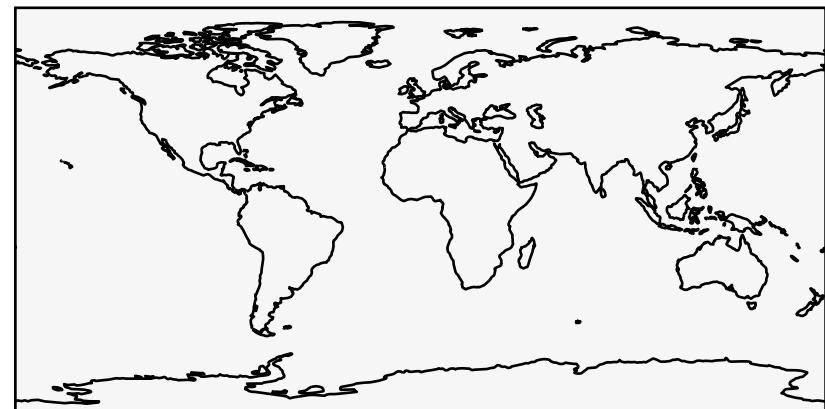
40 80 120
ppb

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



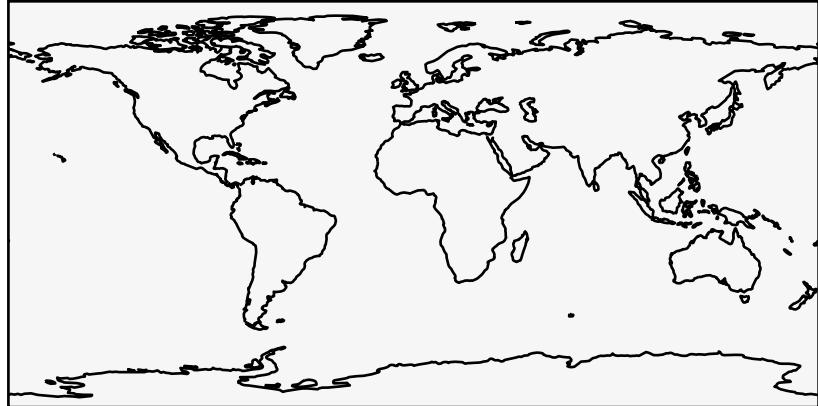
Zero throughout domain
ppb

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



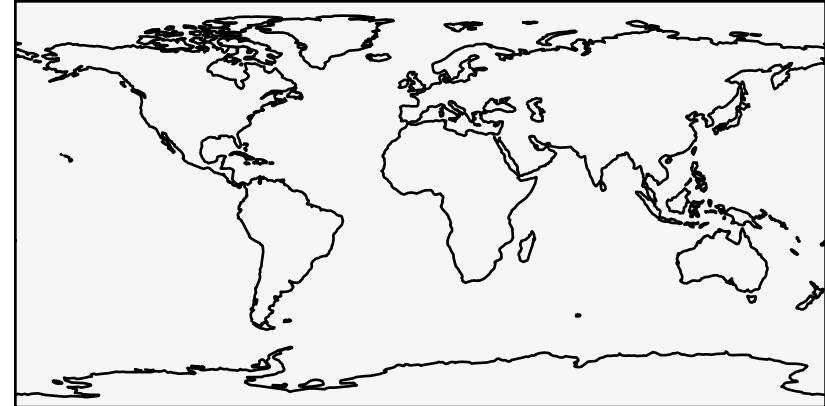
Zero throughout domain
ppb

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



Zero throughout domain
unitless

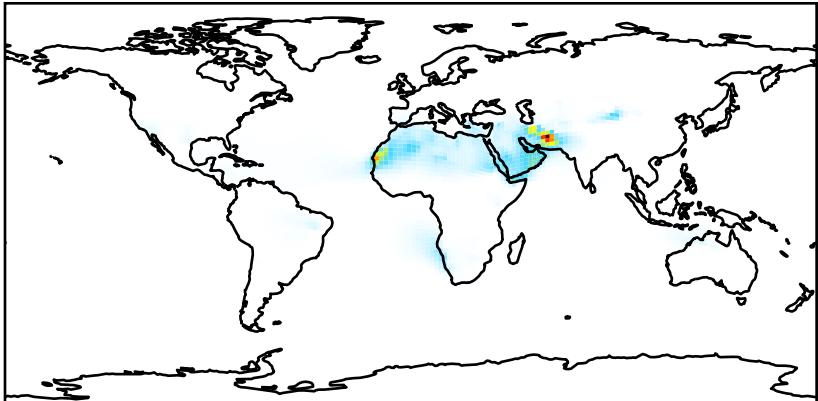
Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range



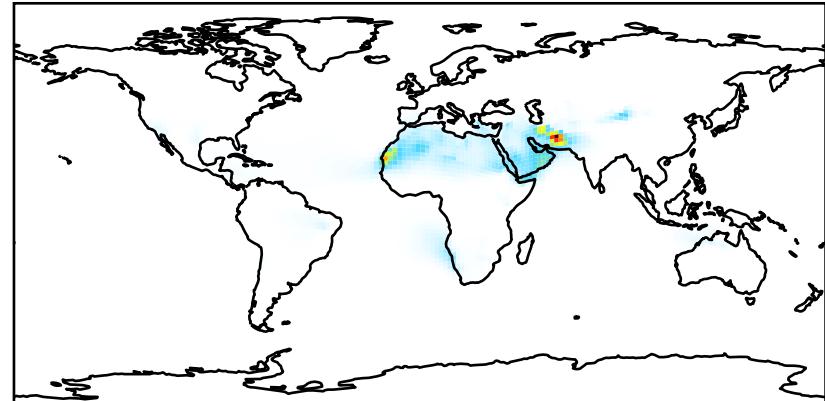
Zero throughout domain
unitless

SpeciesConc_DST2

GCHP_12.5.0 (Ref)
c48

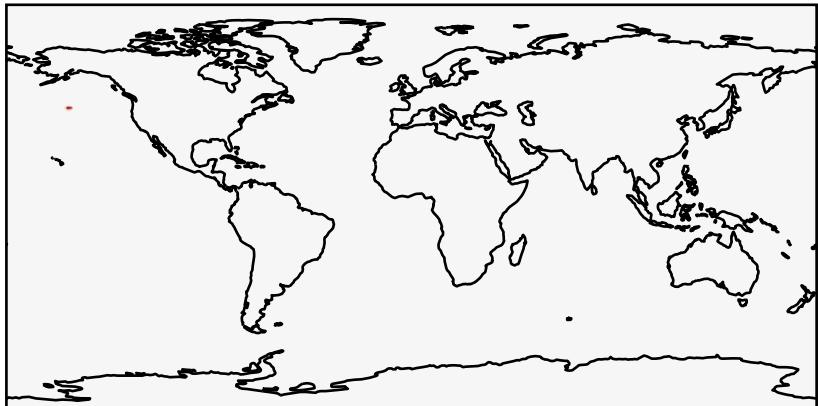


GCHP_12.6.0 (Dev)
c48



80 160 240
ppb

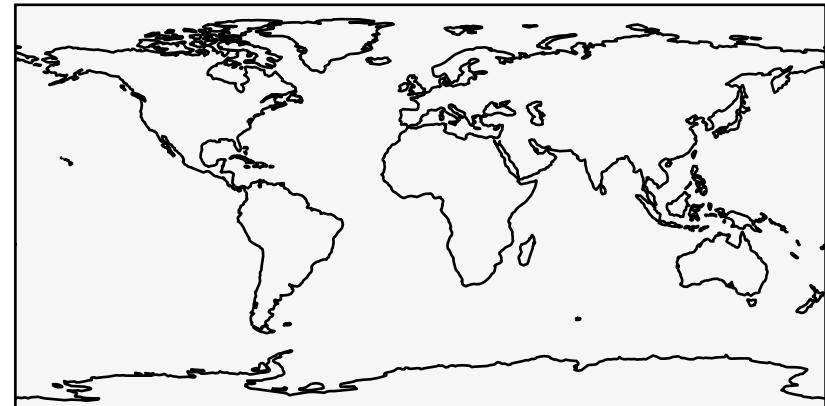
Difference (1x1.25)
Dev - Ref, Dynamic Range



-3 0 3 1e-11
ppb

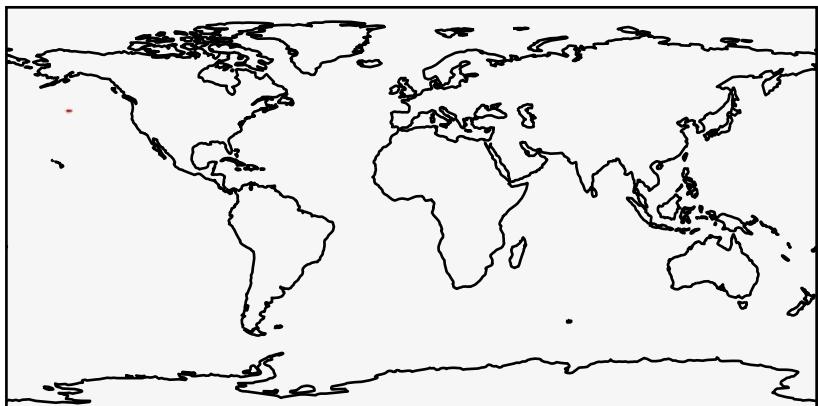
80 160 240
ppb

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



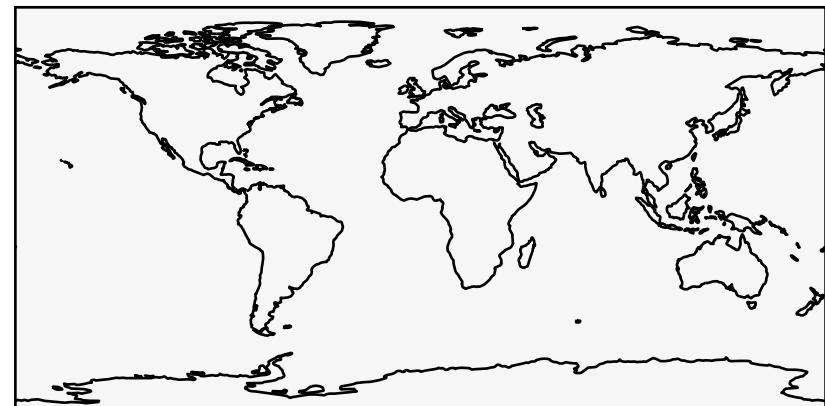
-1.0 -0.5 0.0 0.5 1.0
ppb

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



-8 0 8 1e-8
unitless

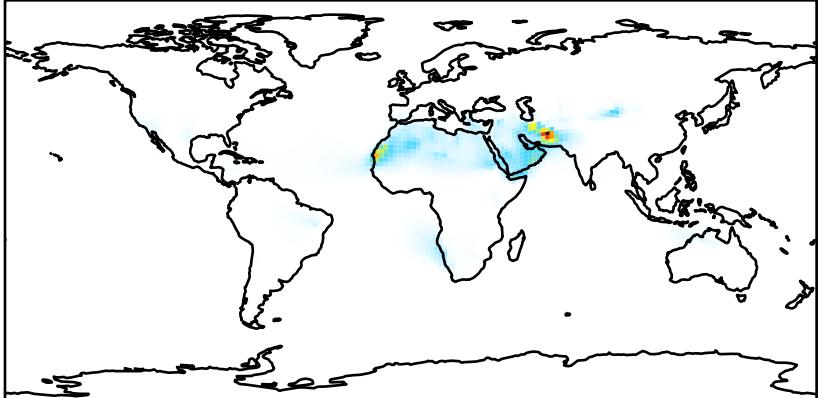
Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range



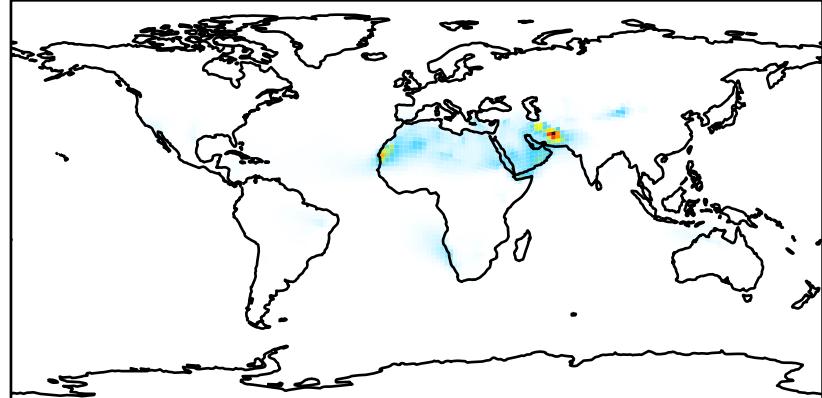
-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0 1.5 2.0
unitless

SpeciesConc_DST3

GCHP_12.5.0 (Ref)
c48

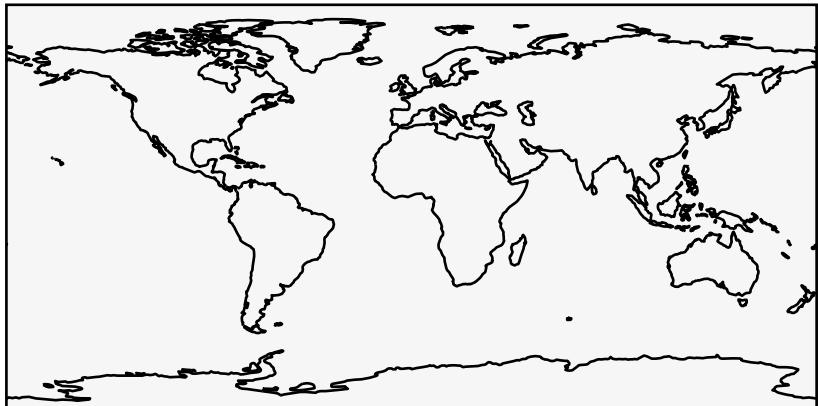


GCHP_12.6.0 (Dev)
c48



150 300 450
ppb

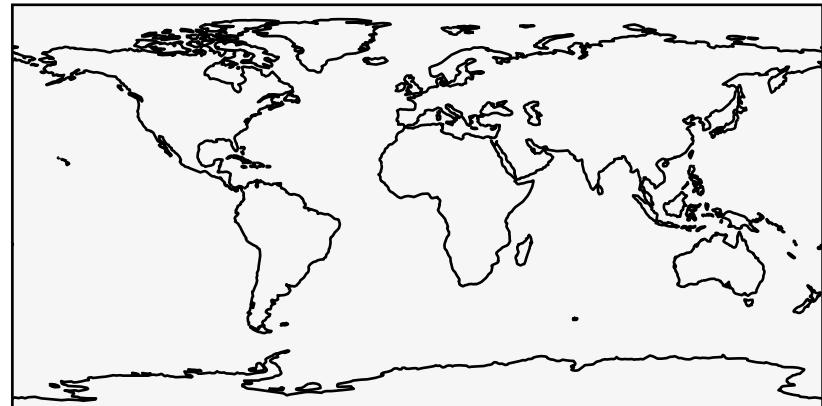
Difference (1x1.25)
Dev - Ref, Dynamic Range



-150 0 150
ppb

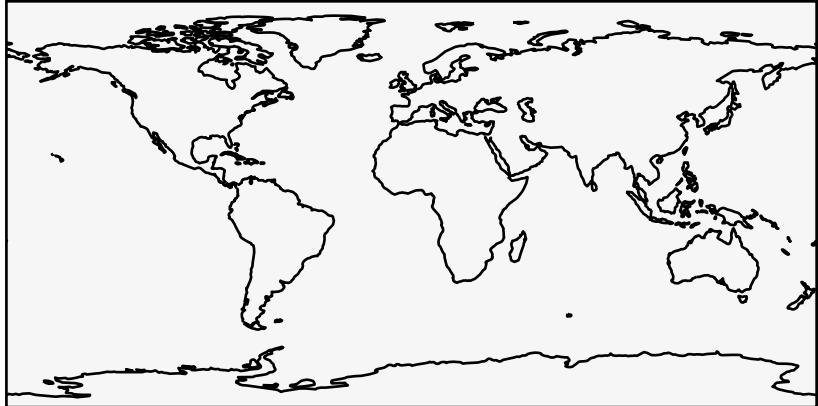
150 300 450
ppb

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



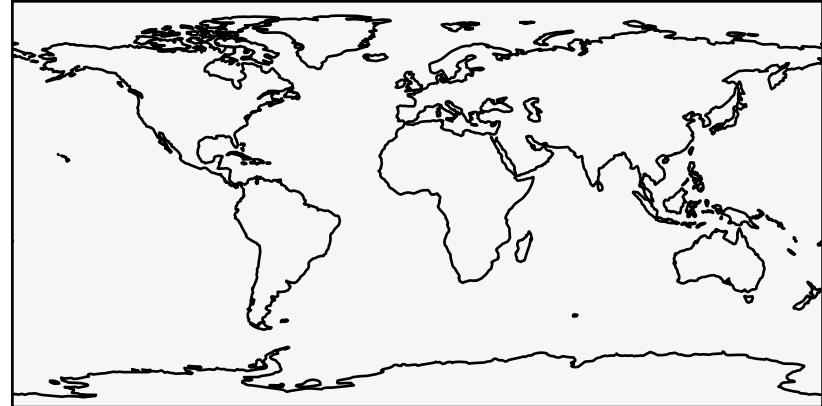
-150 0 150
ppb

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



-1.0 0 1.0
unitless

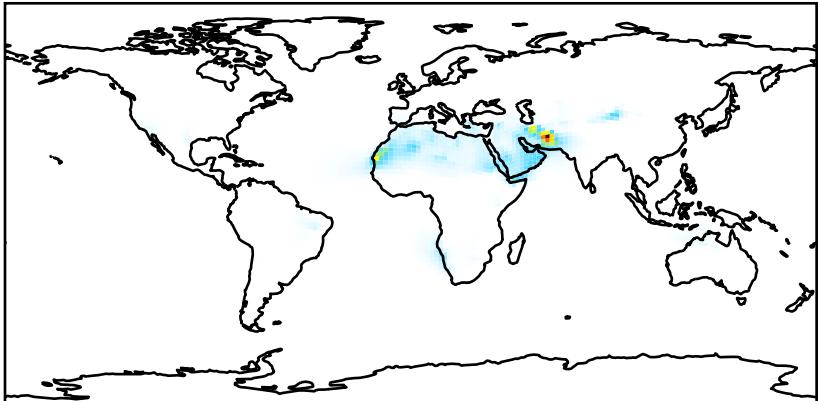
Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range



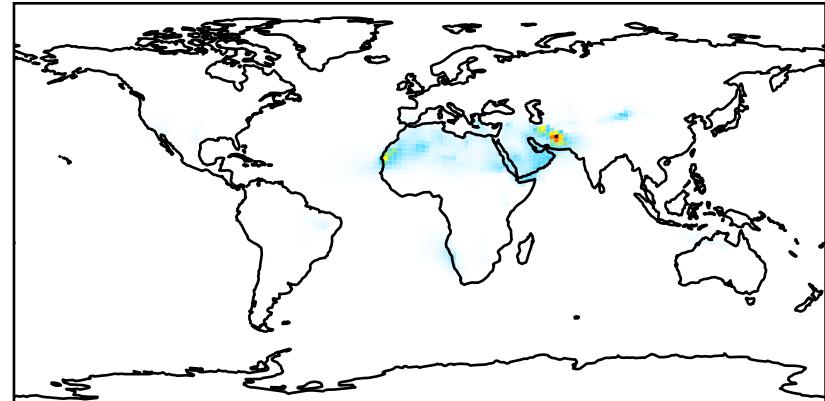
-1.0 0 1.0
unitless

SpeciesConc_DST4

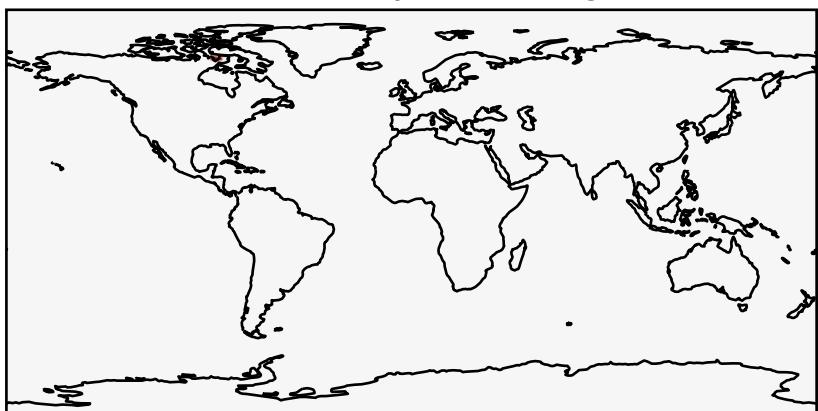
GCHP_12.5.0 (Ref)
c48



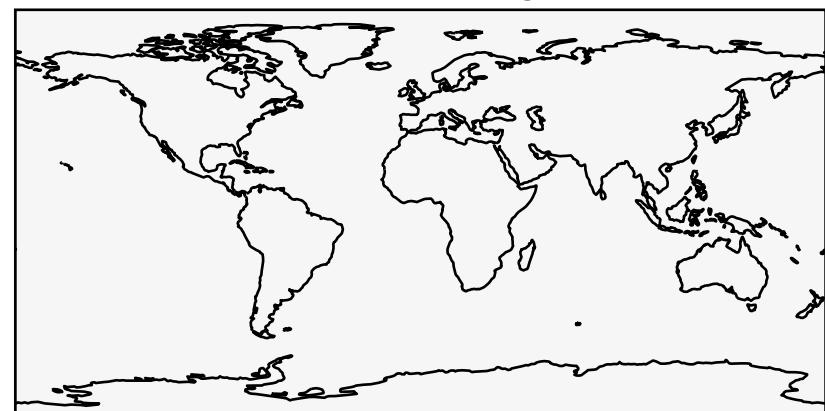
GCHP_12.6.0 (Dev)
c48



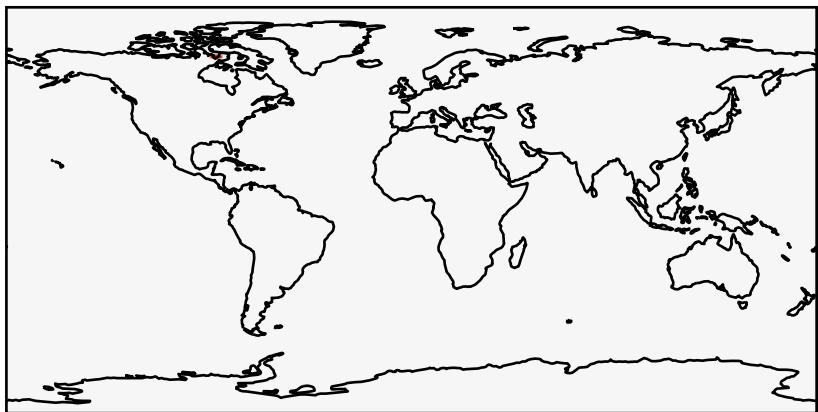
Difference (1x1.25)
Dev - Ref, Dynamic Range



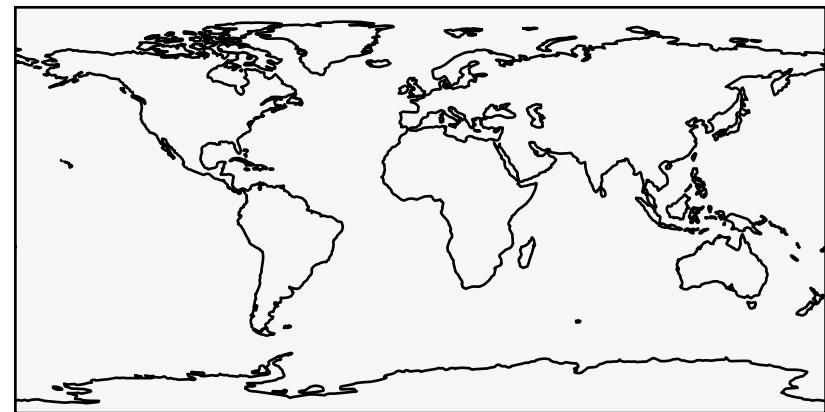
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

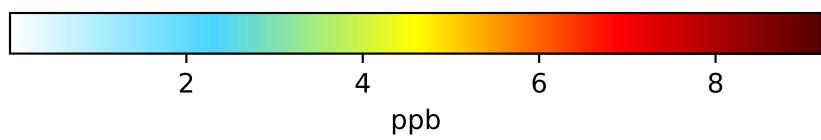
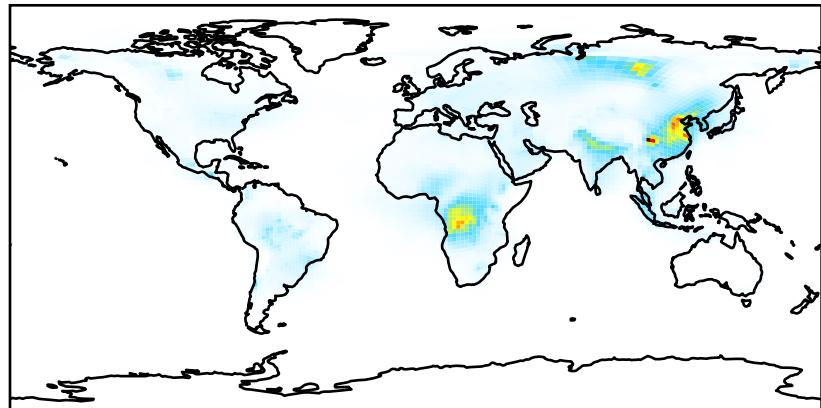


Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range

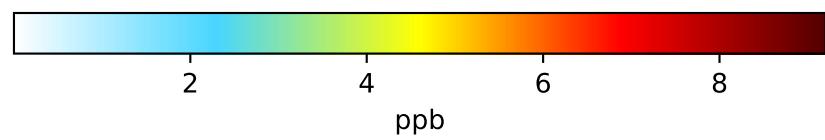
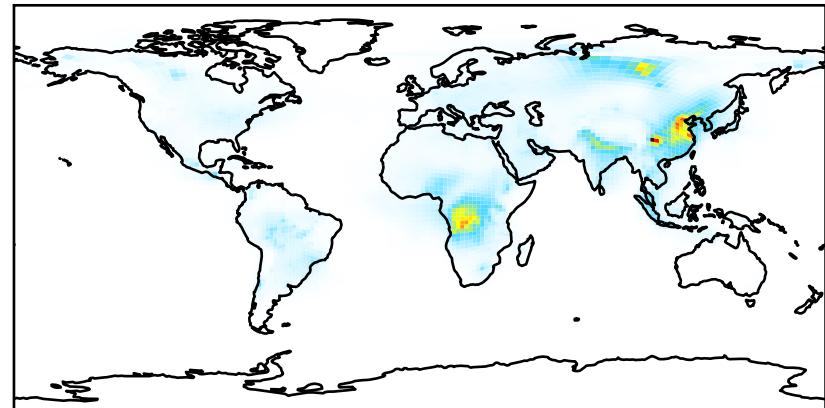


SpeciesConc_BCPI

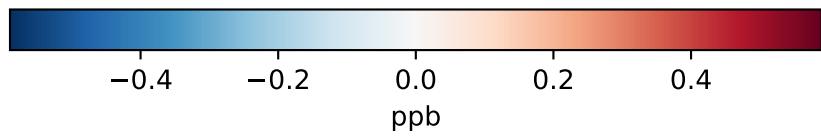
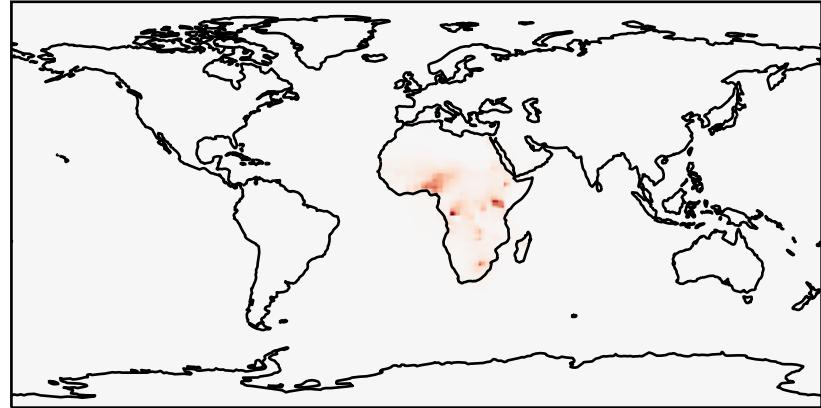
GCHP_12.5.0 (Ref)
c48



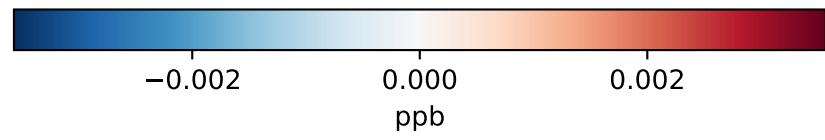
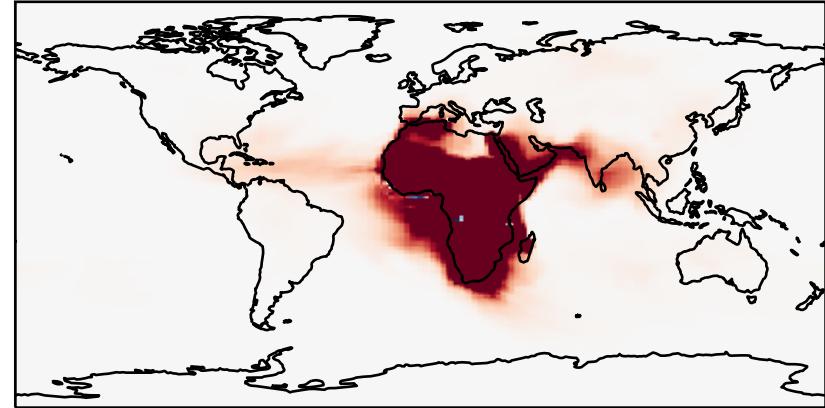
GCHP_12.6.0 (Dev)
c48



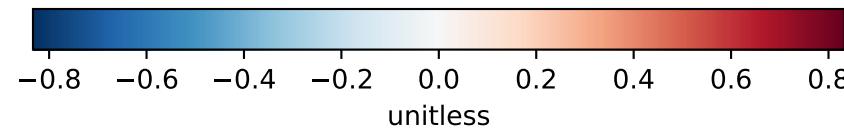
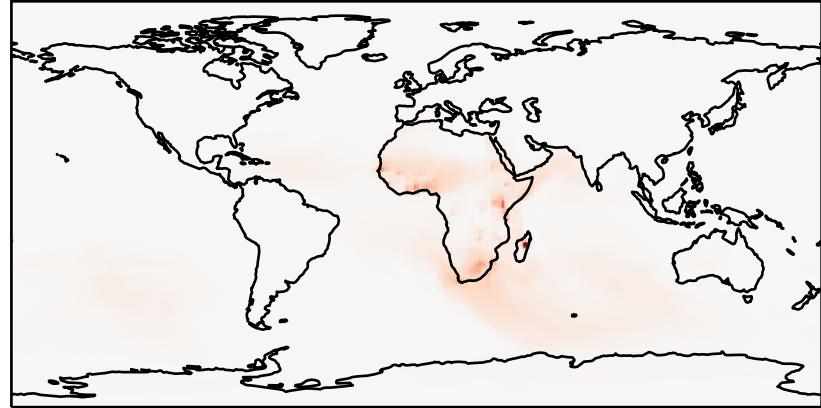
Difference (1x1.25)
Dev - Ref, Dynamic Range



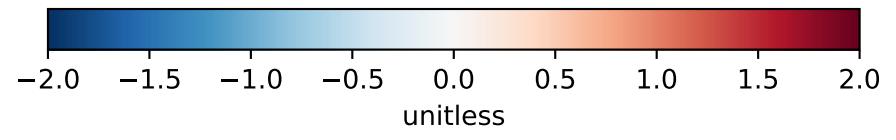
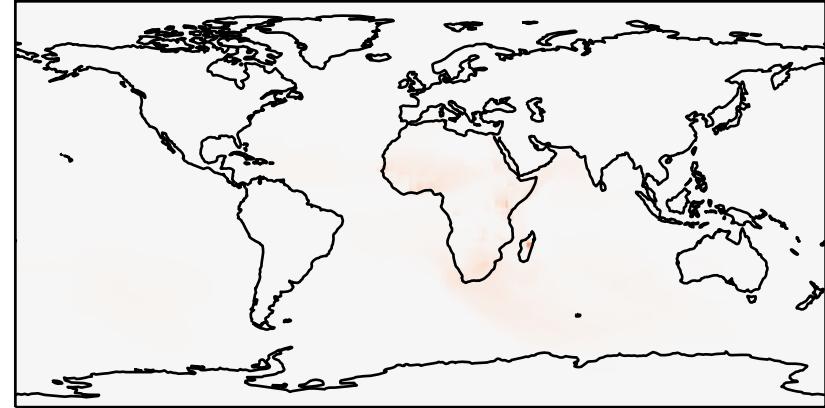
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

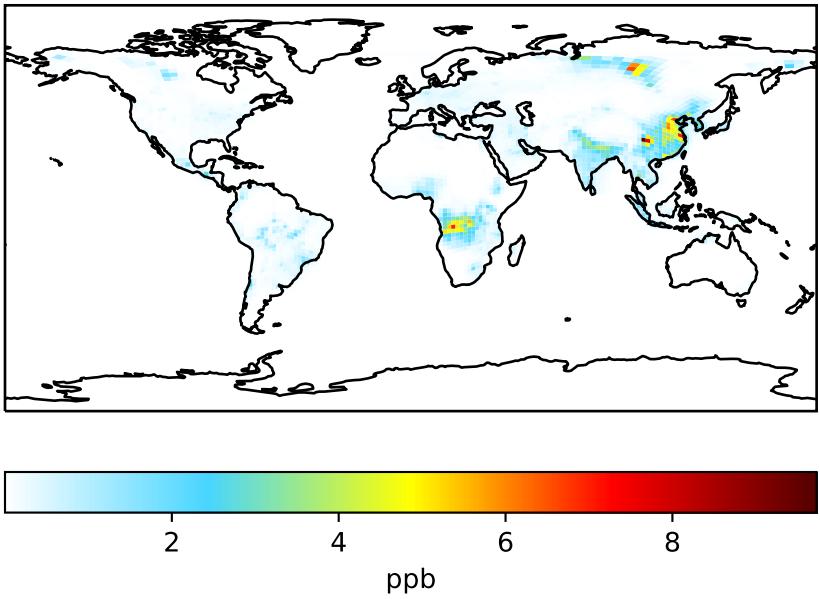


Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range

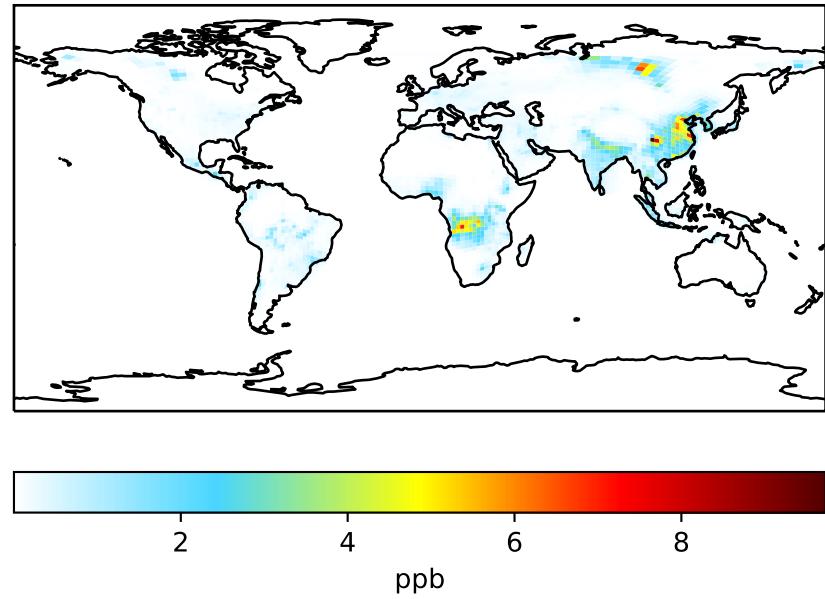


SpeciesConc_BCPO

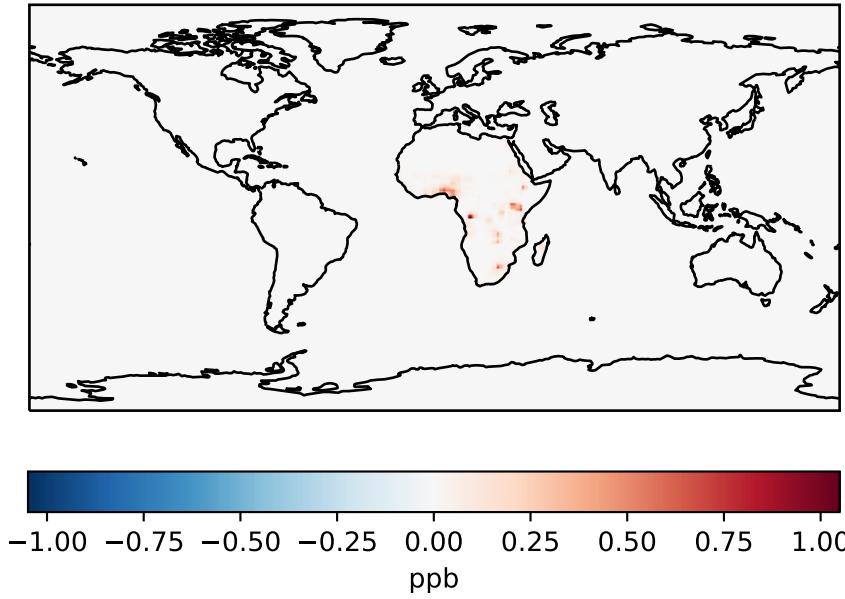
GCHP_12.5.0 (Ref)
c48



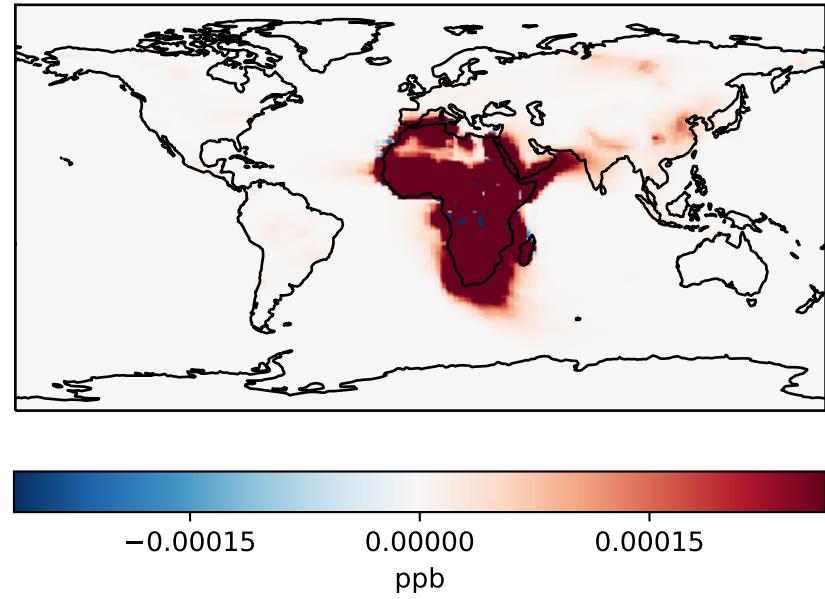
GCHP_12.6.0 (Dev)
c48



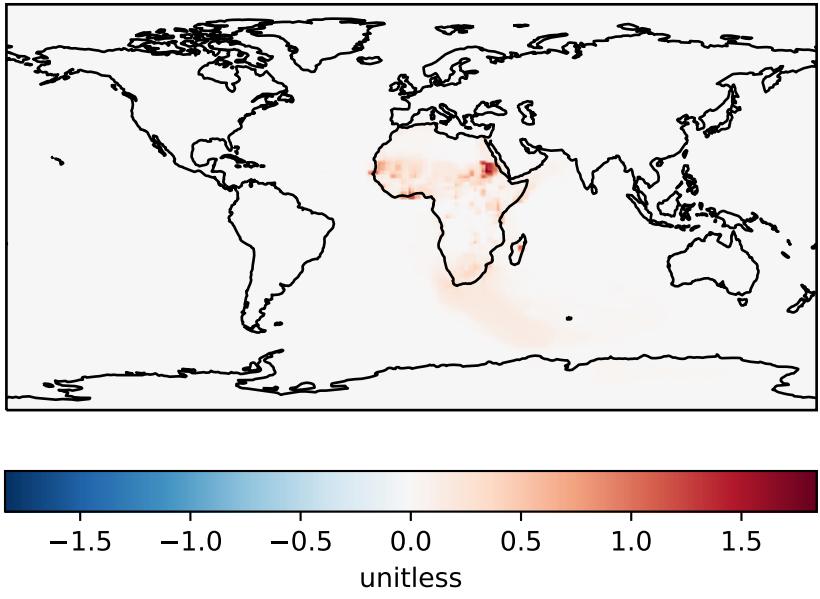
Difference (1x1.25)
Dev - Ref, Dynamic Range



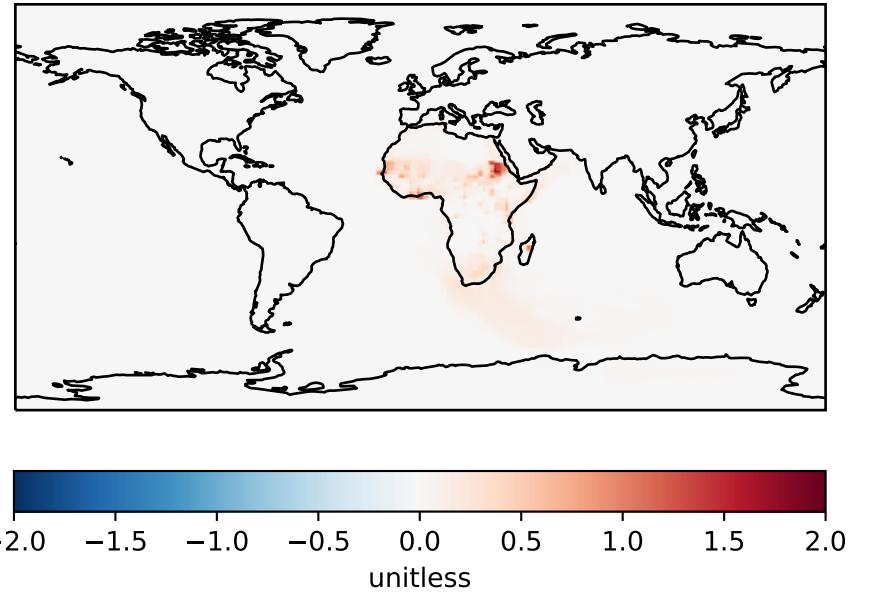
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

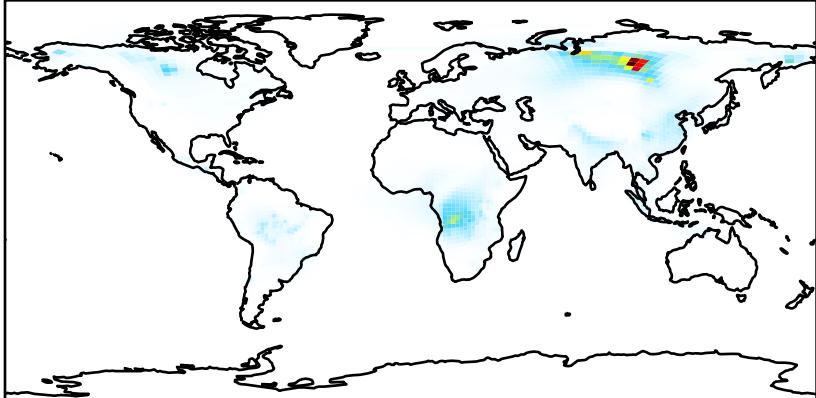


Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range

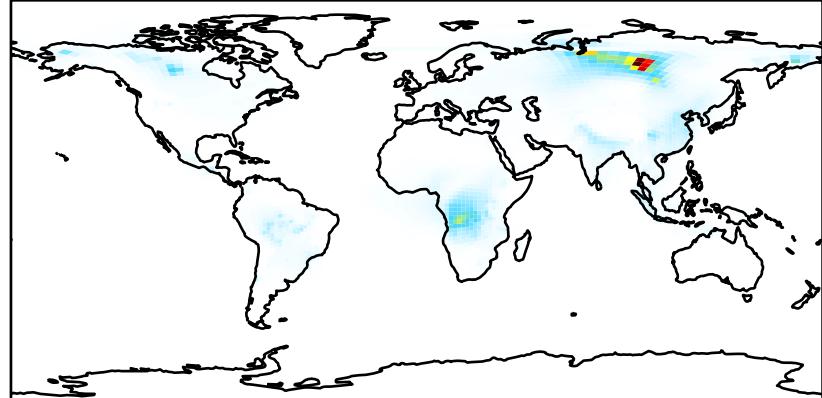


SpeciesConc_OCPI

GCHP_12.5.0 (Ref)
c48



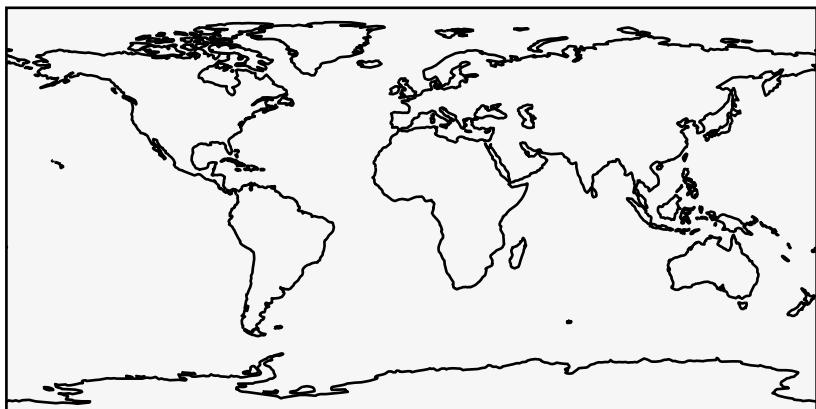
GCHP_12.6.0 (Dev)
c48



40 80 120
ppb

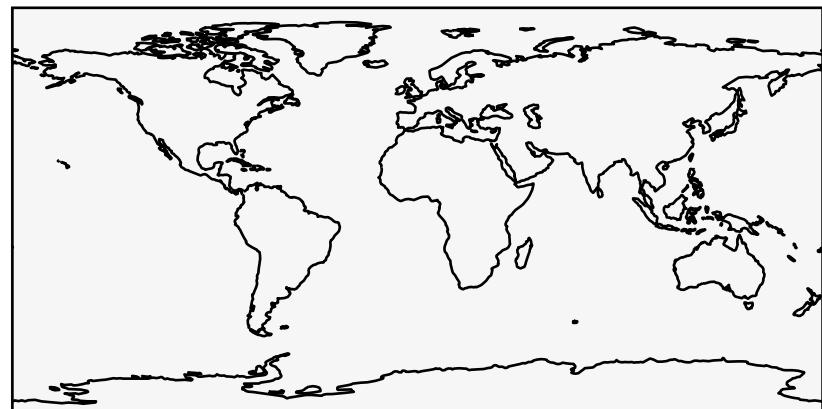
40 80 120
ppb

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



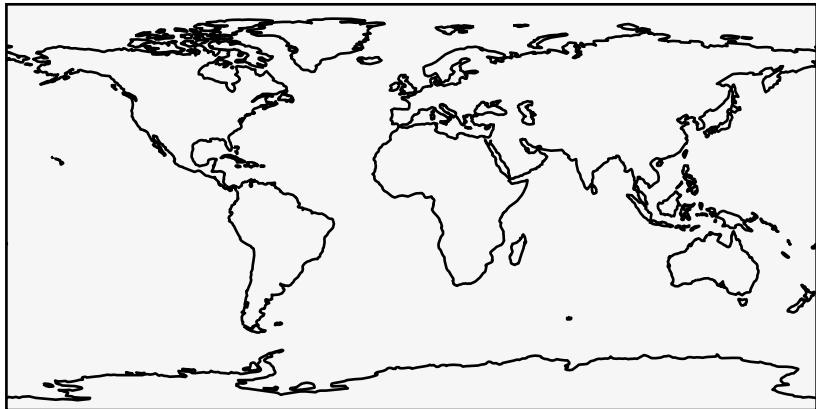
Zero throughout domain
ppb

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



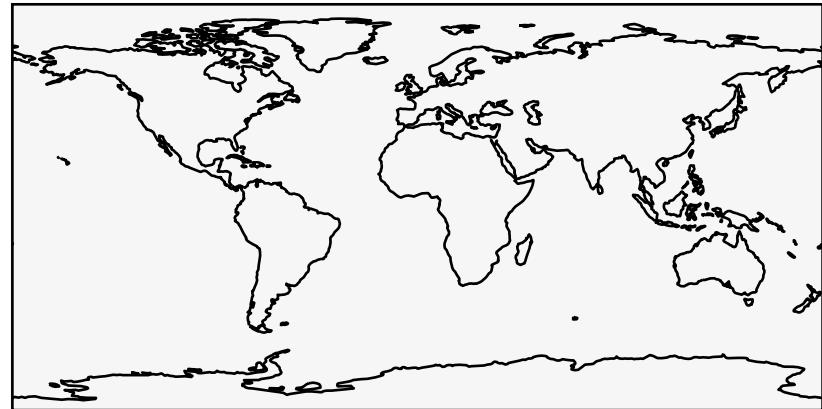
Zero throughout domain
ppb

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



Zero throughout domain
unitless

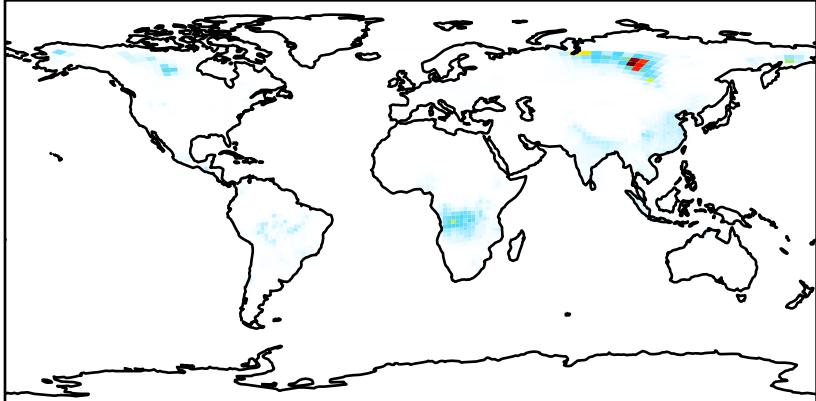
Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range



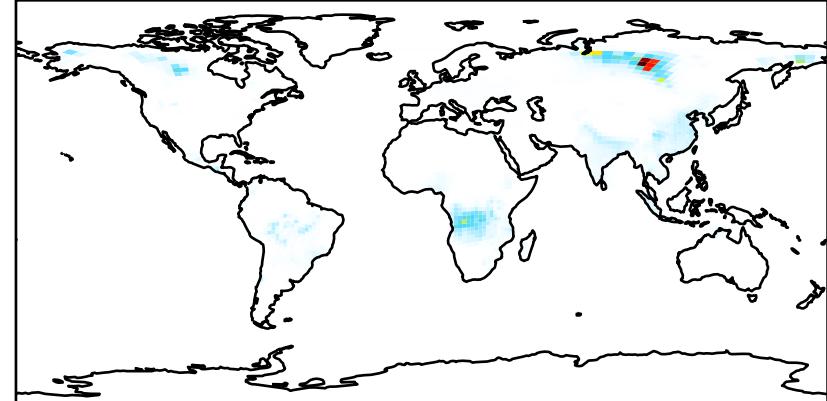
Zero throughout domain
unitless

SpeciesConc_OCPO

GCHP_12.5.0 (Ref)
c48



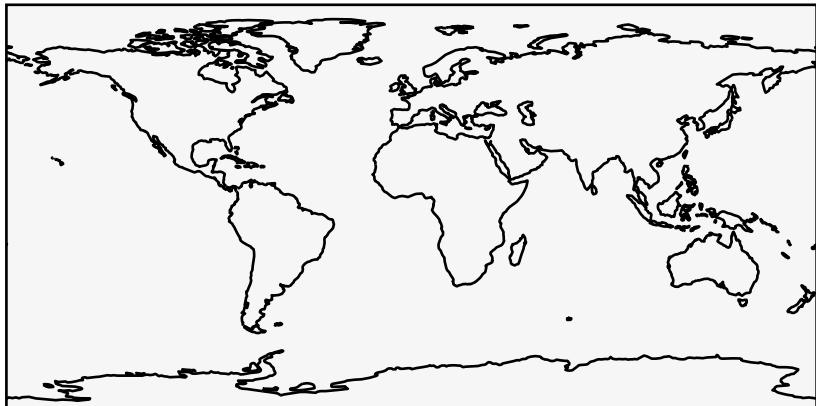
GCHP_12.6.0 (Dev)
c48



10 20 30 40 50 60 70
ppb

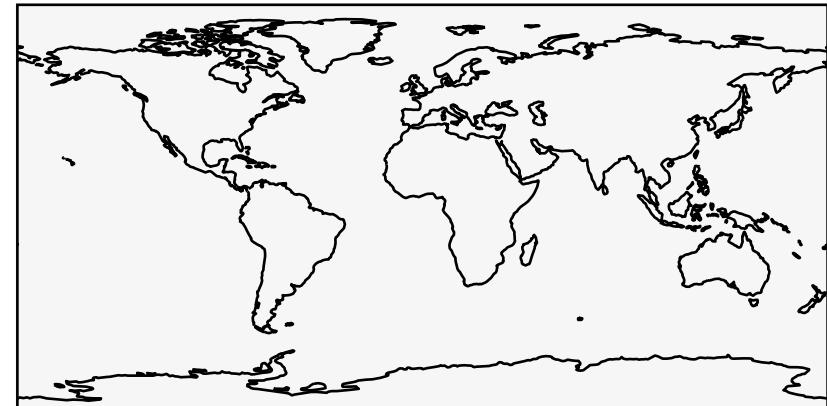
10 20 30 40 50 60 70
ppb

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



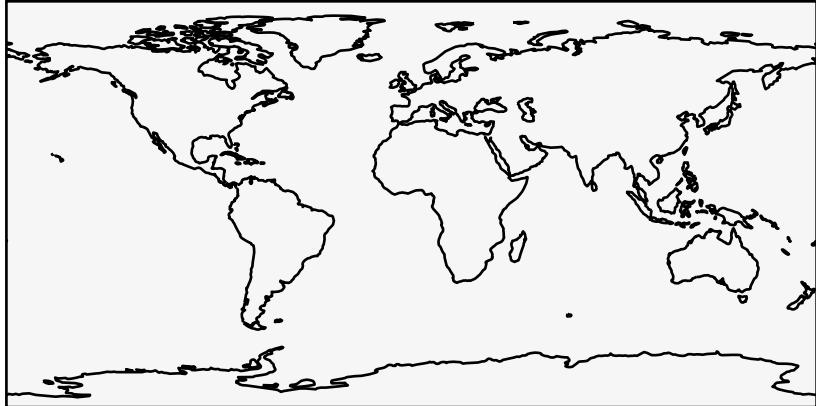
Zero throughout domain
ppb

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



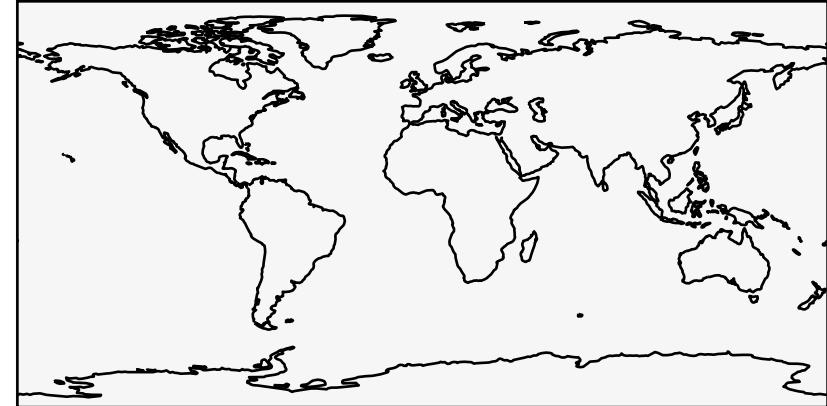
Zero throughout domain
ppb

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



Zero throughout domain
unitless

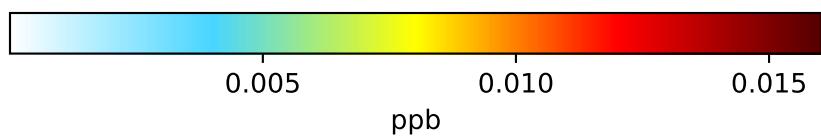
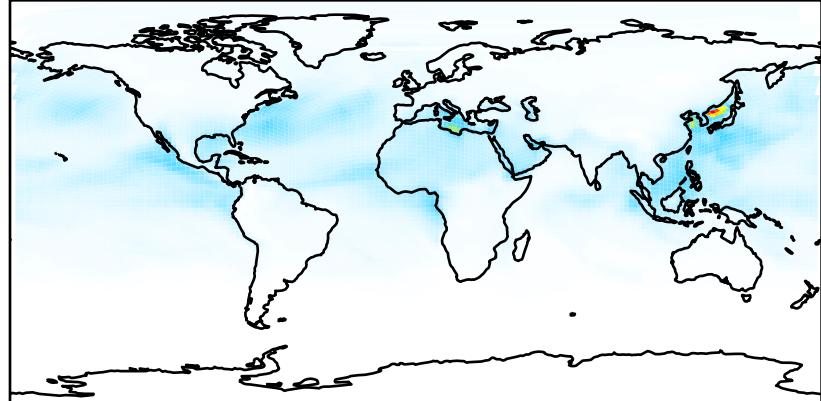
Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range



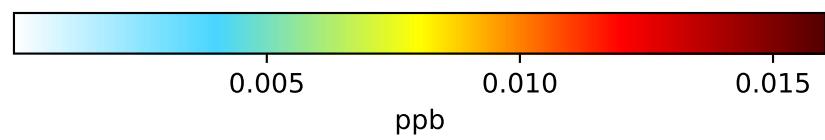
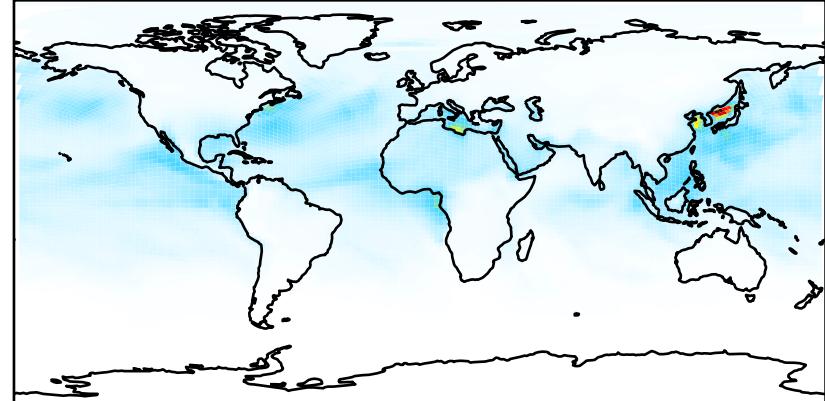
Zero throughout domain
unitless

SpeciesConc_AERI

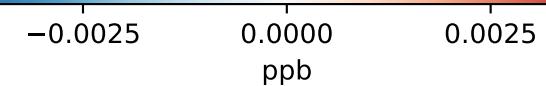
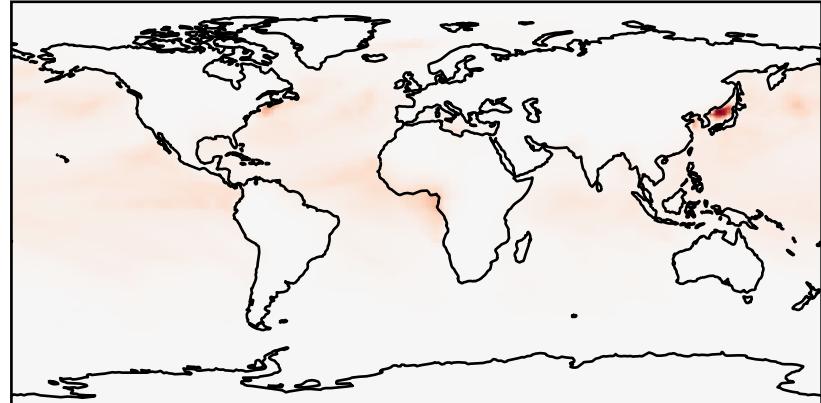
GCHP_12.5.0 (Ref)
c48



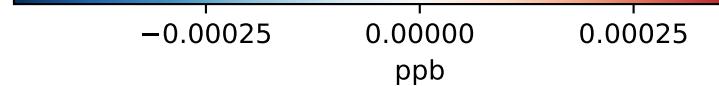
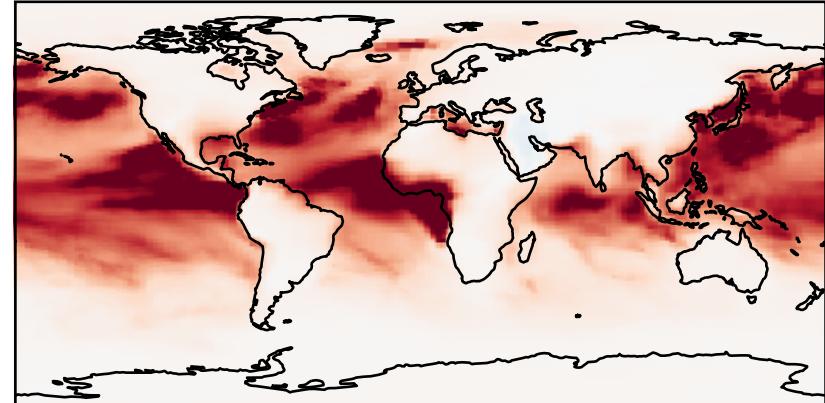
GCHP_12.6.0 (Dev)
c48



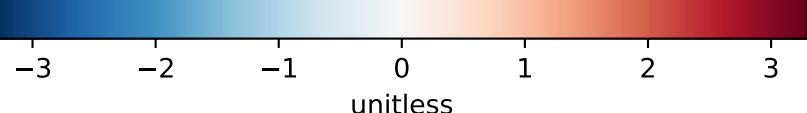
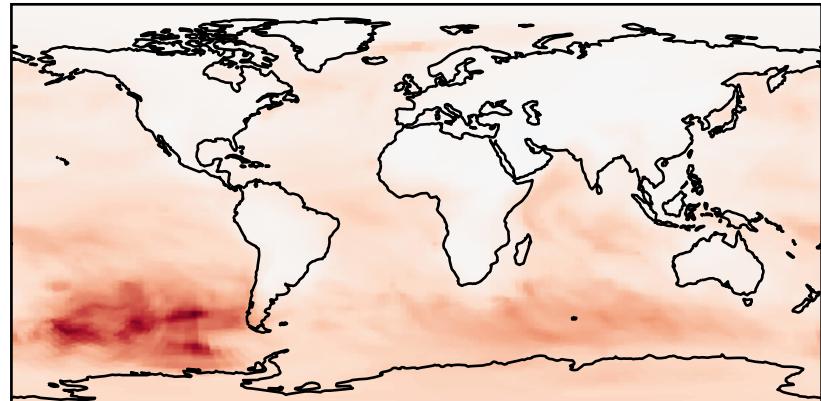
Difference (1x1.25)
Dev - Ref, Dynamic Range



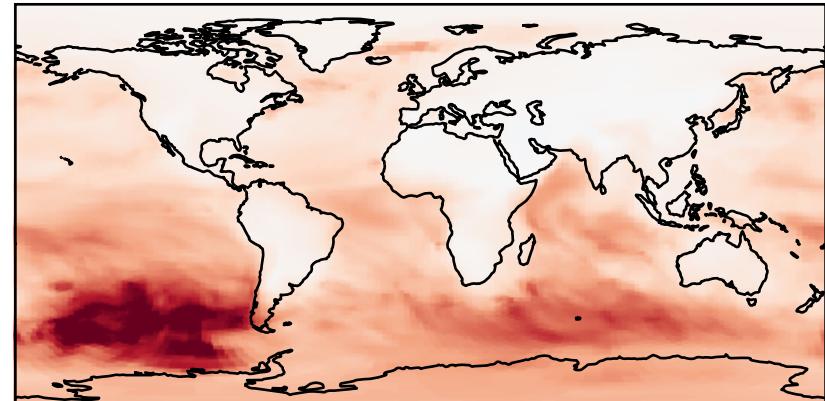
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

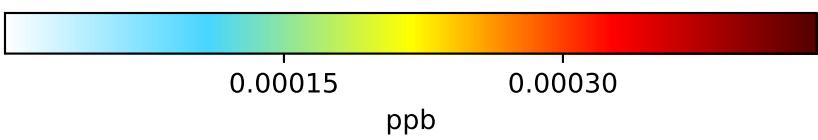
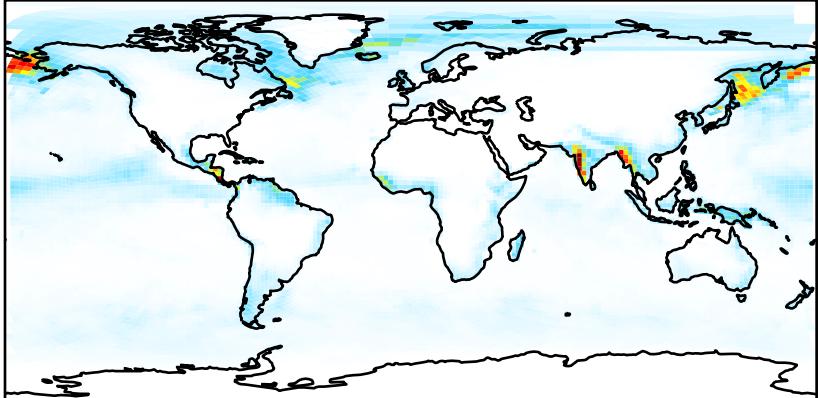


Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range

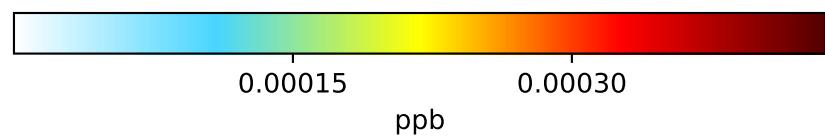
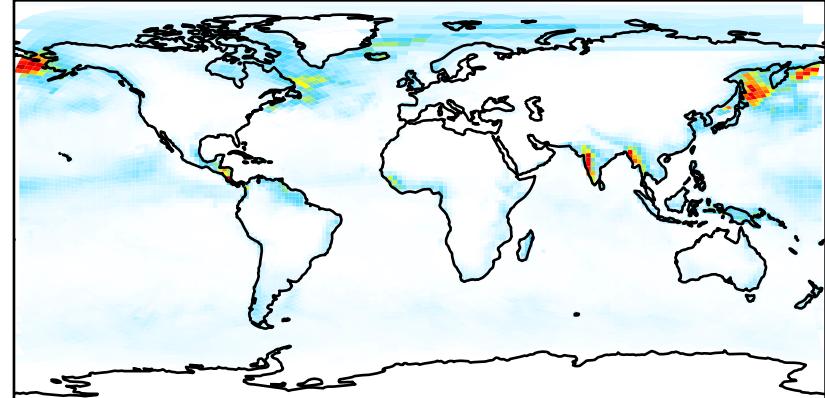


SpeciesConc_BrSALA

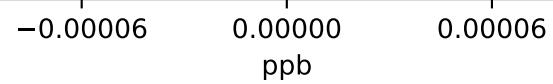
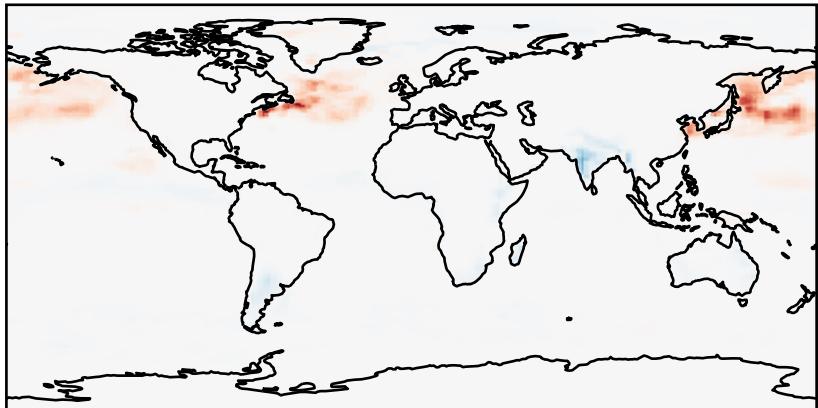
GCHP_12.5.0 (Ref)
c48



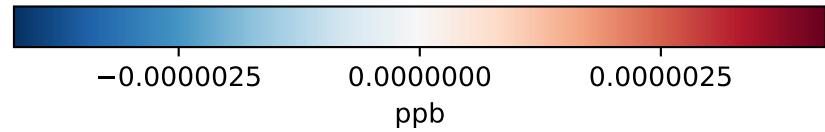
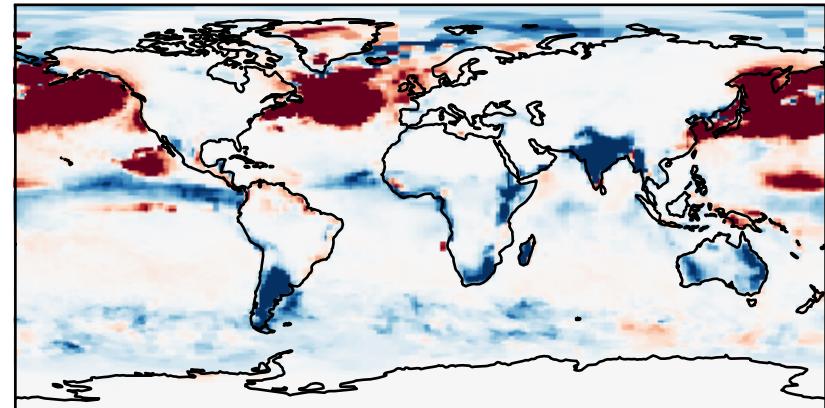
GCHP_12.6.0 (Dev)
c48



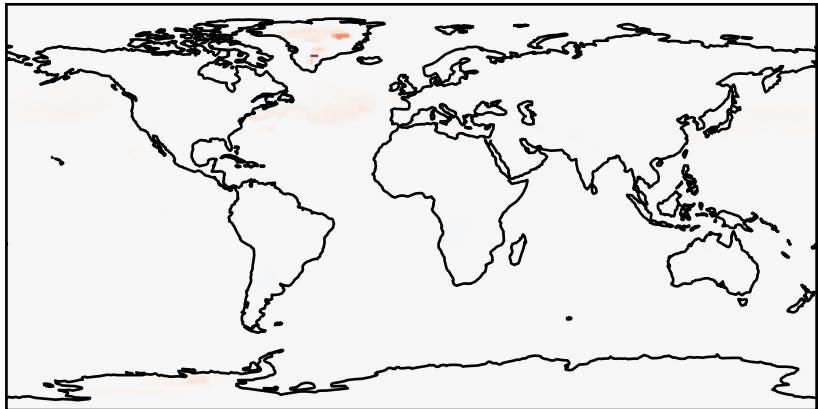
Difference (1x1.25)
Dev - Ref, Dynamic Range



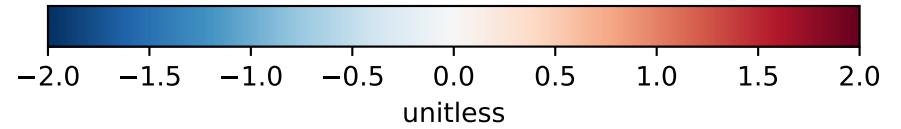
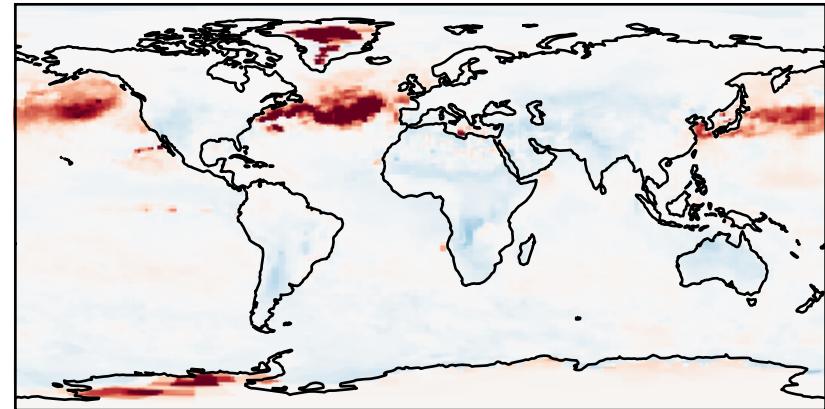
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

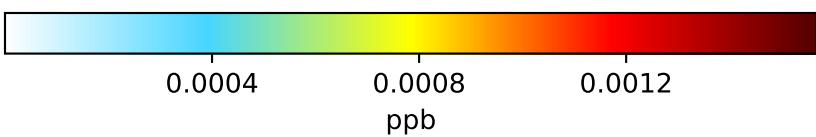
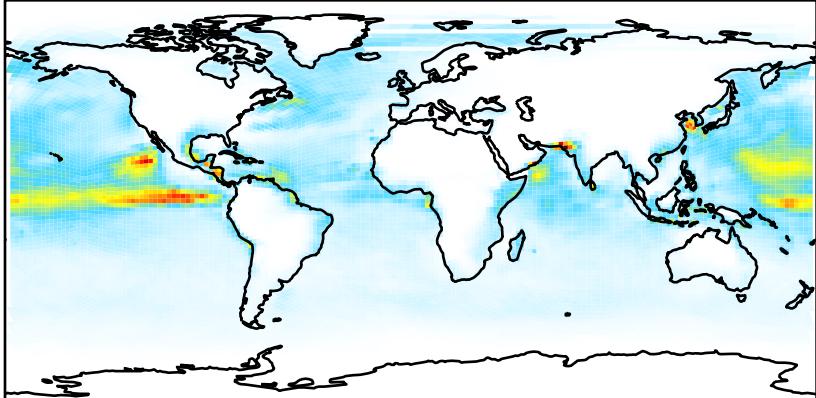


Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range

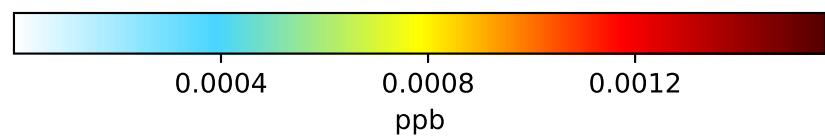
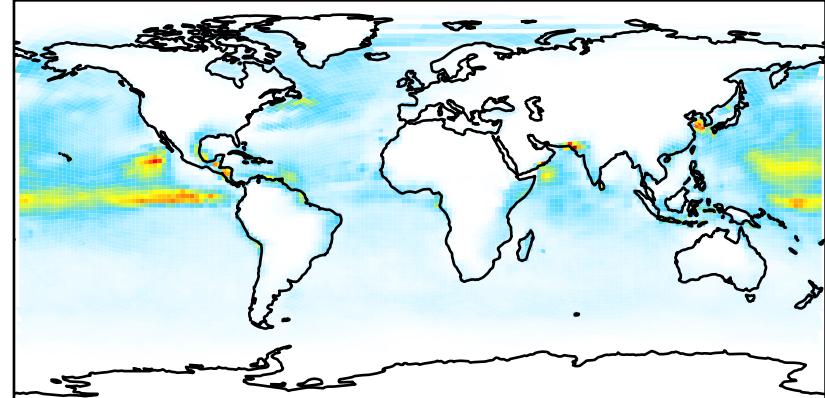


SpeciesConc_BrSALC

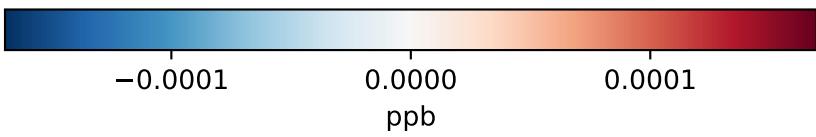
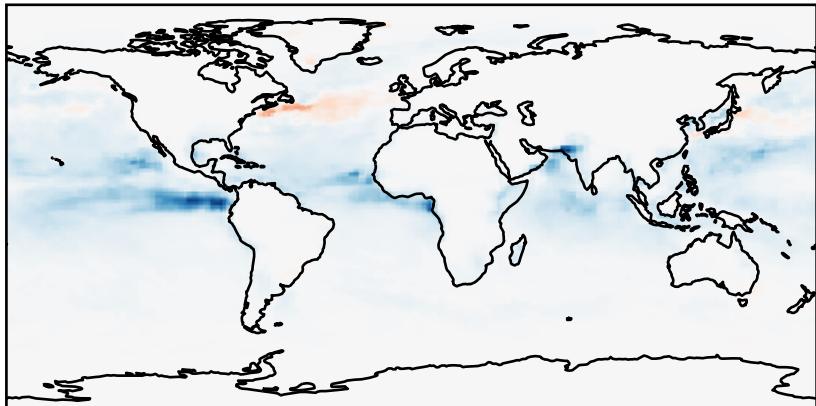
GCHP_12.5.0 (Ref)
c48



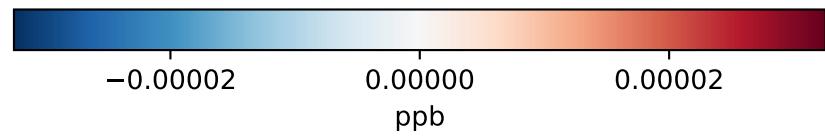
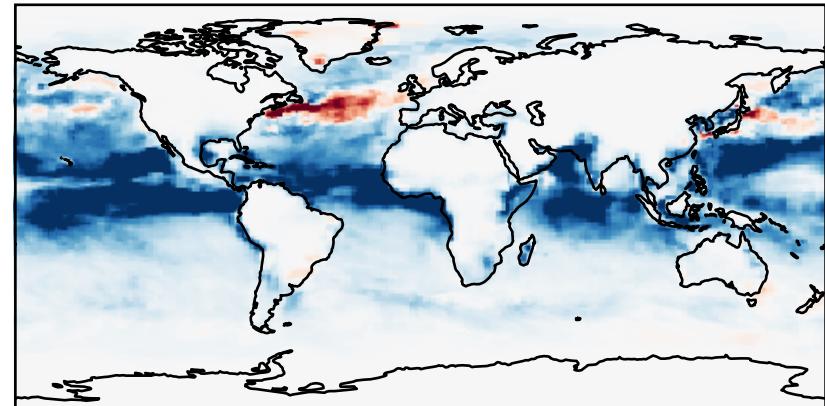
GCHP_12.6.0 (Dev)
c48



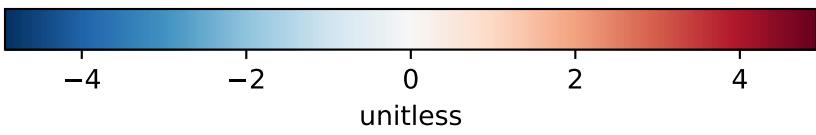
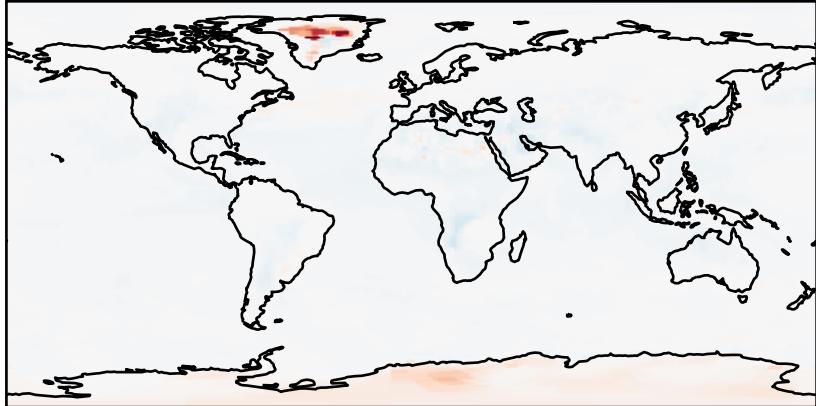
Difference (1x1.25)
Dev - Ref, Dynamic Range



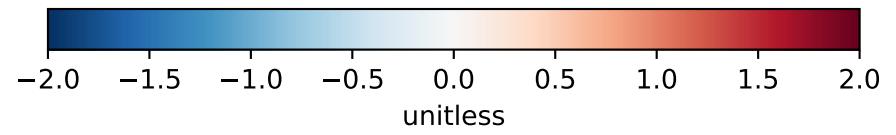
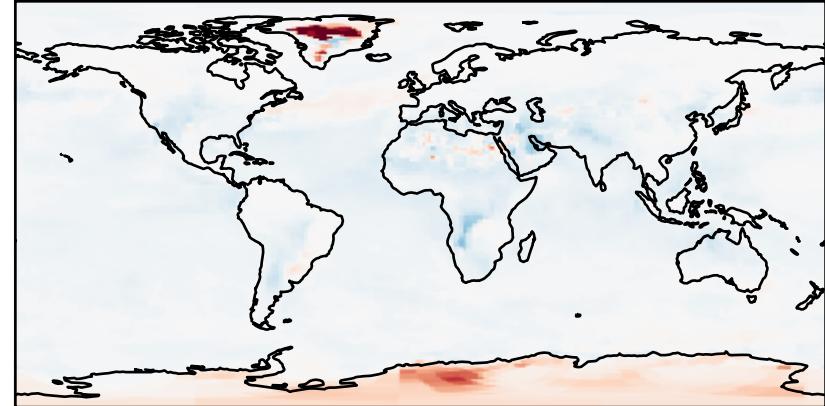
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

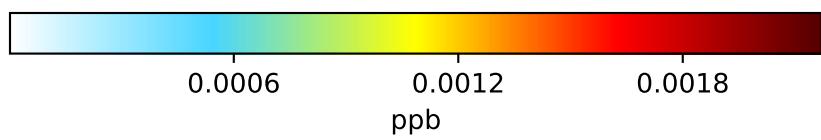
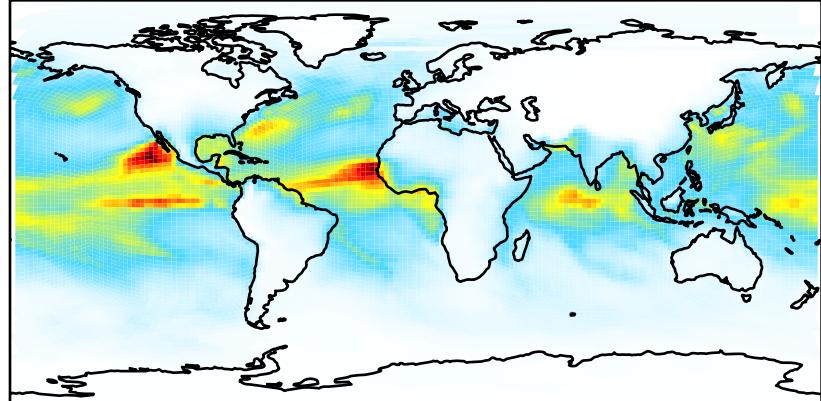


Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range

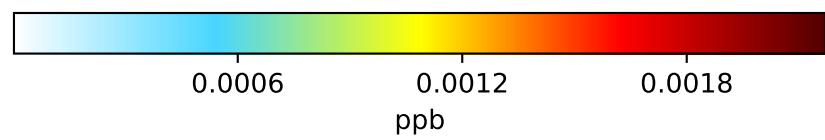
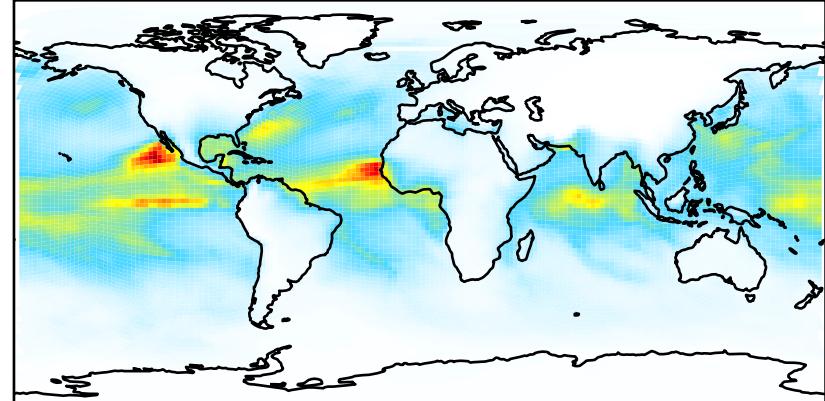


SpeciesConc_ISALA

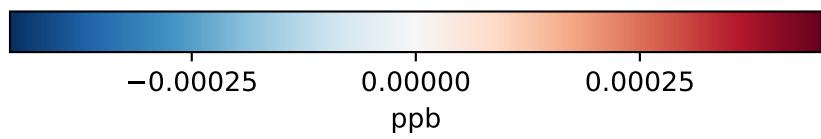
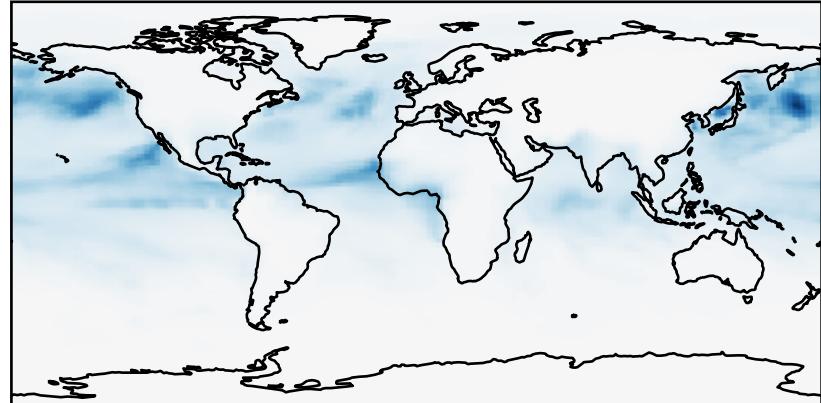
GCHP_12.5.0 (Ref)
c48



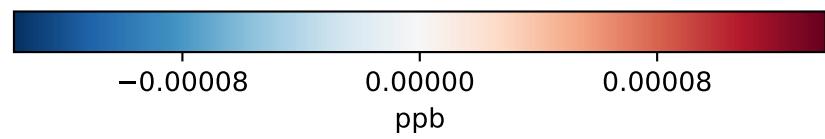
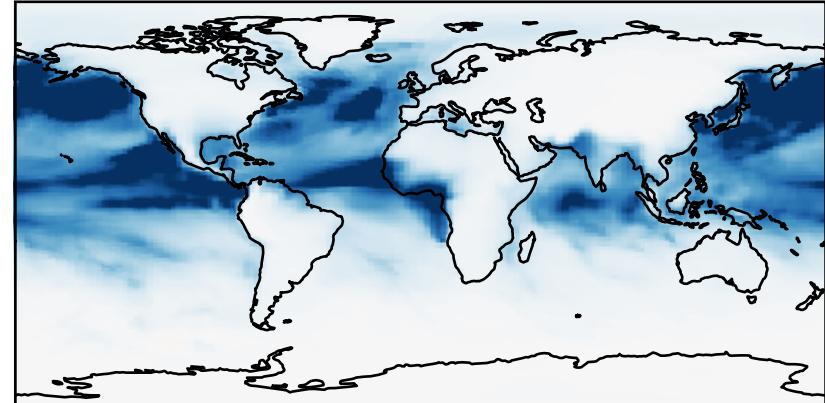
GCHP_12.6.0 (Dev)
c48



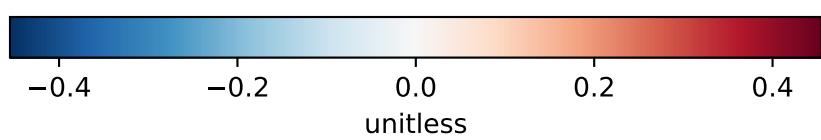
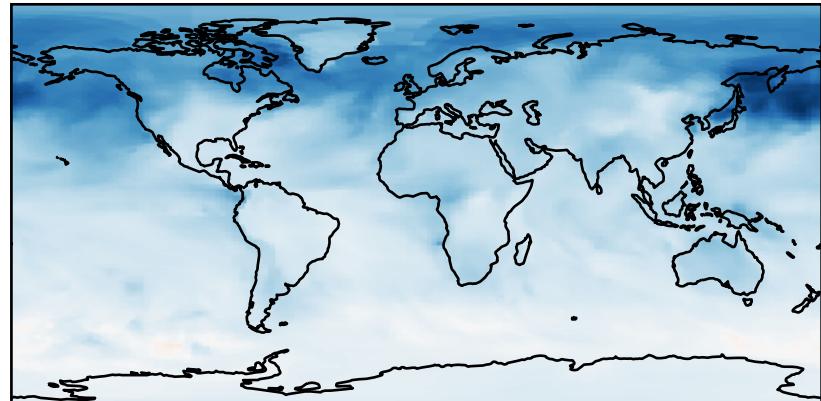
Difference (1x1.25)
Dev - Ref, Dynamic Range



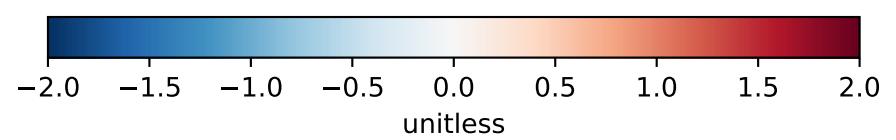
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

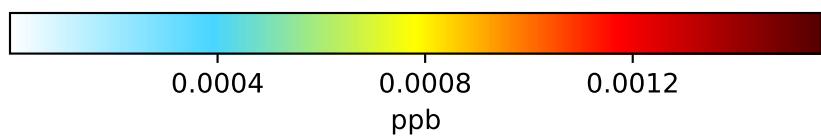
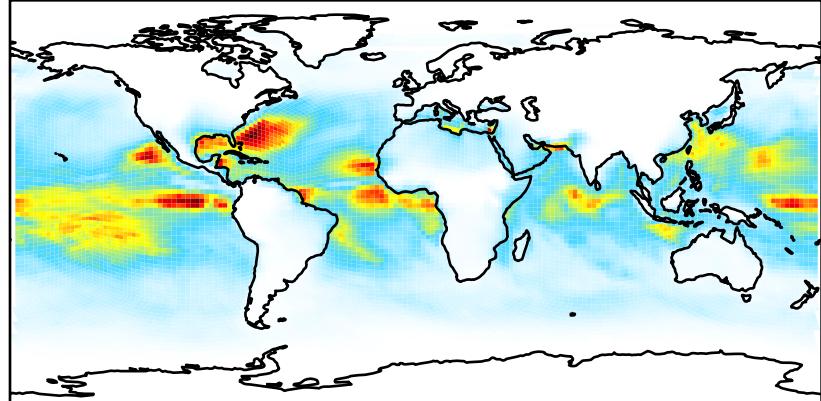


Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range

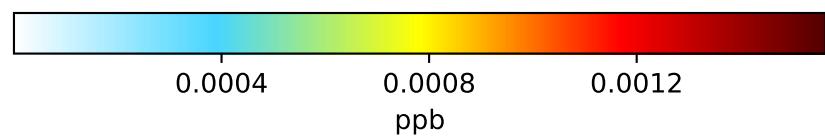
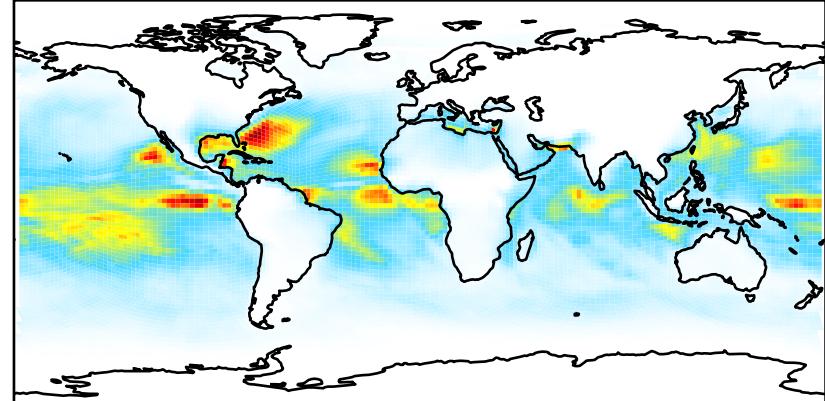


SpeciesConc_ISALC

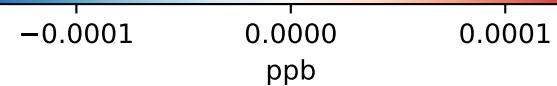
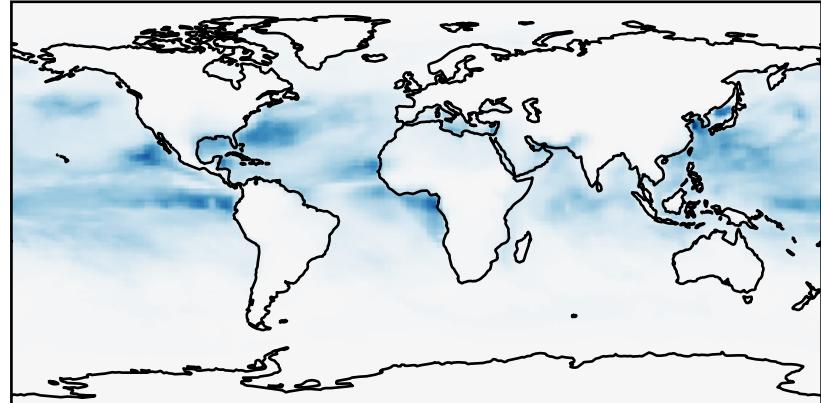
GCHP_12.5.0 (Ref)
c48



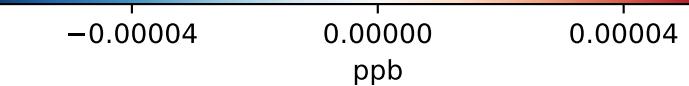
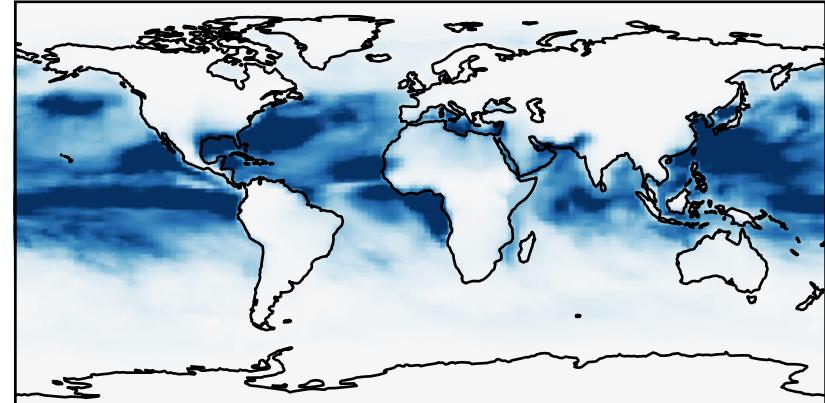
GCHP_12.6.0 (Dev)
c48



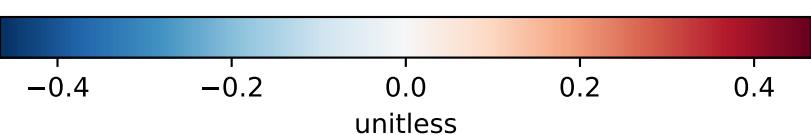
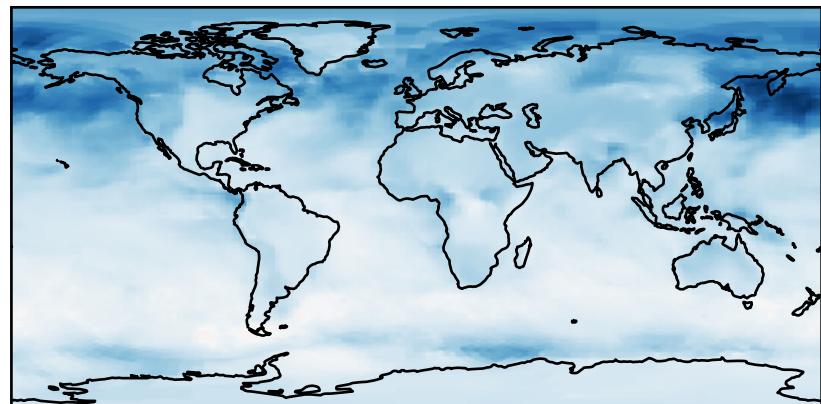
Difference (1x1.25)
Dev - Ref, Dynamic Range



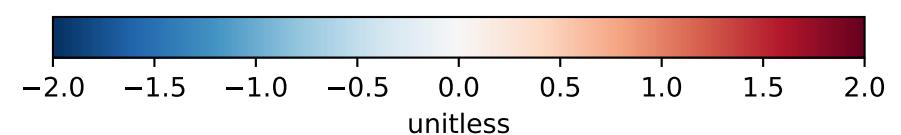
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

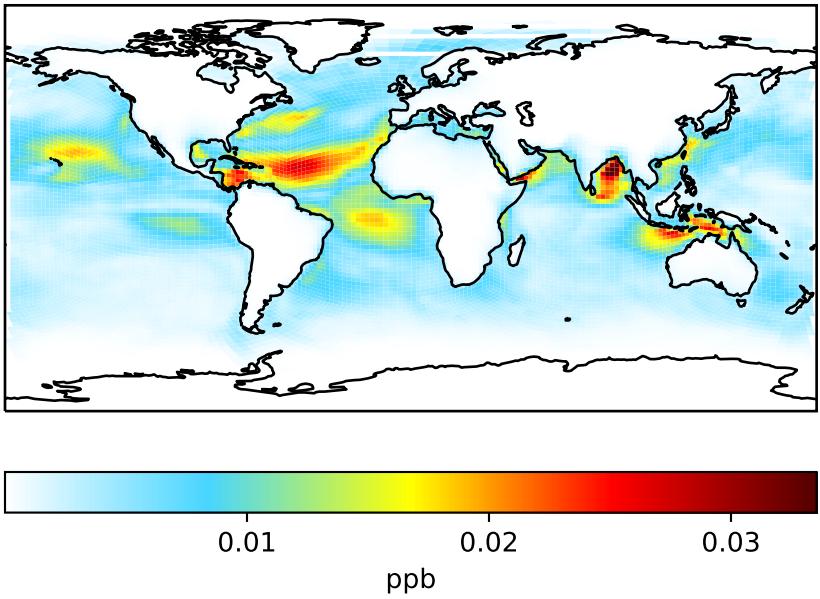


Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range

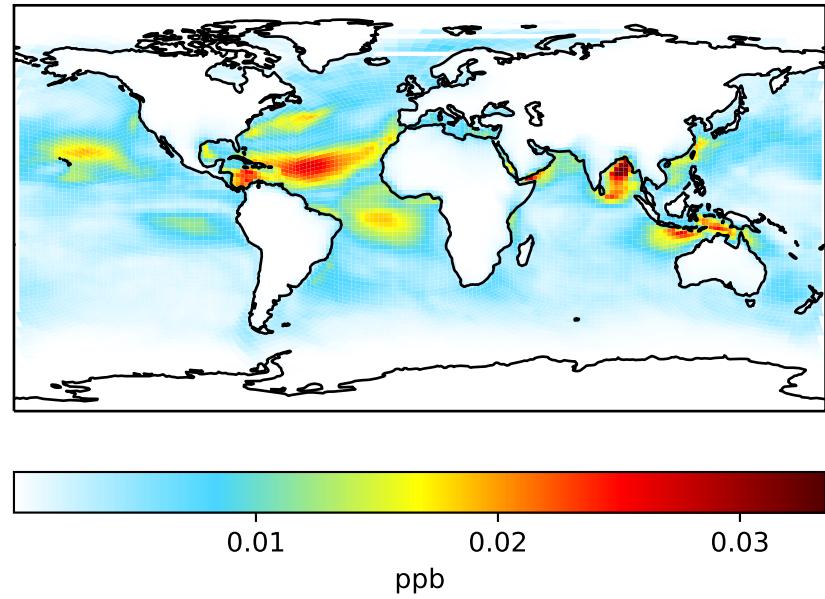


SpeciesConc_NITs

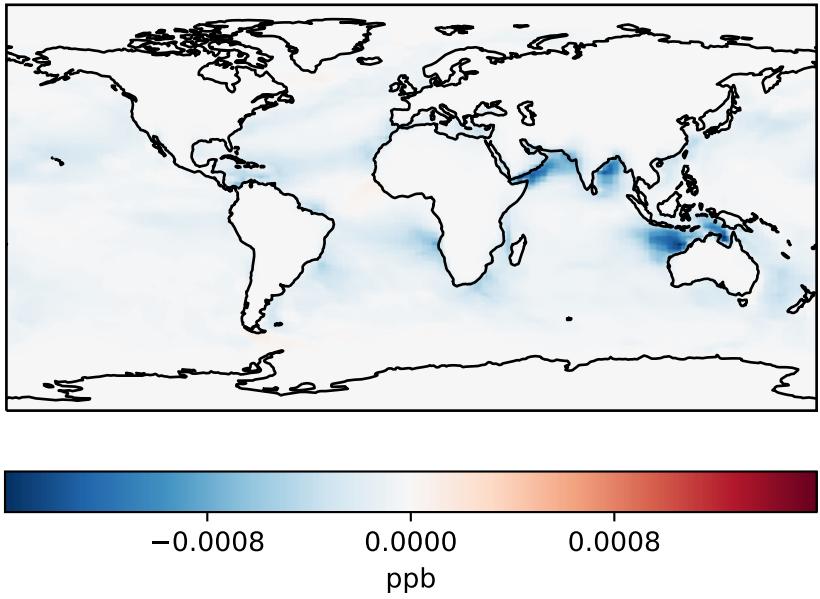
GCHP_12.5.0 (Ref)
c48



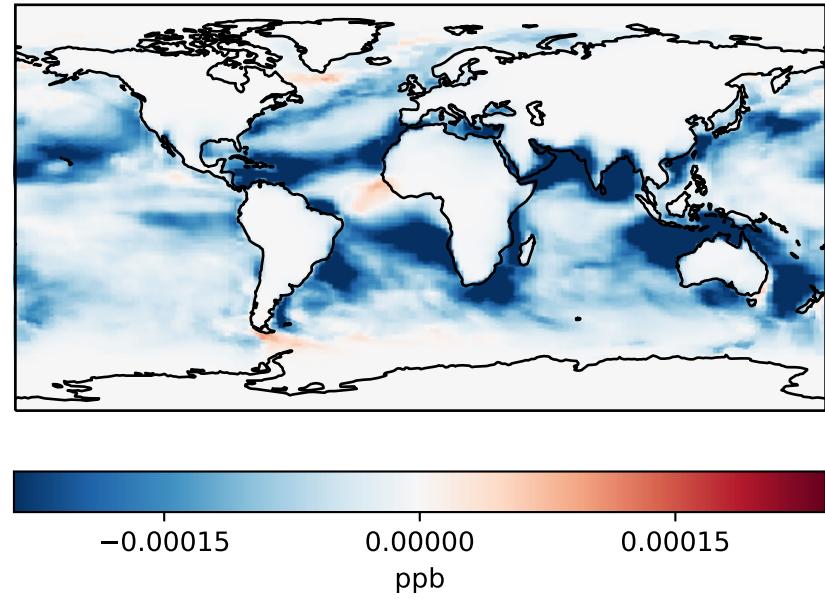
GCHP_12.6.0 (Dev)
c48



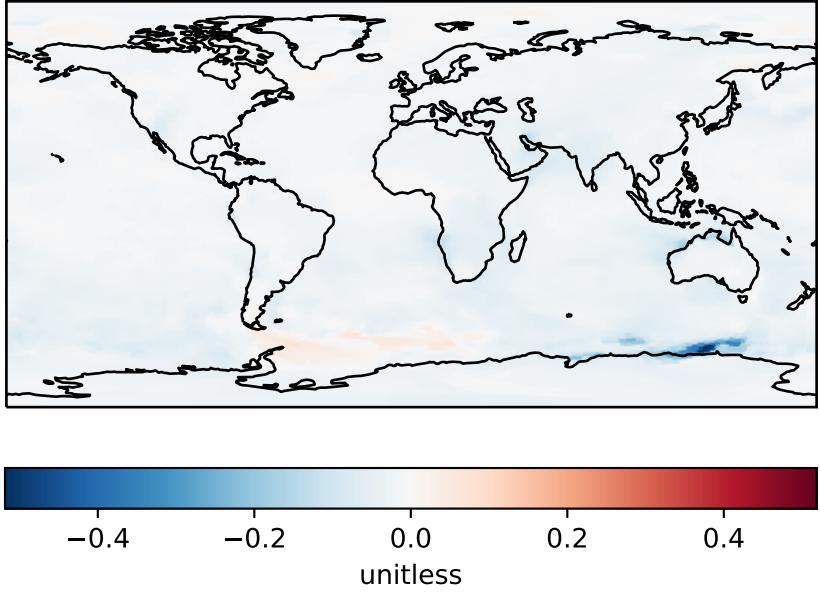
Difference (1x1.25)
Dev - Ref, Dynamic Range



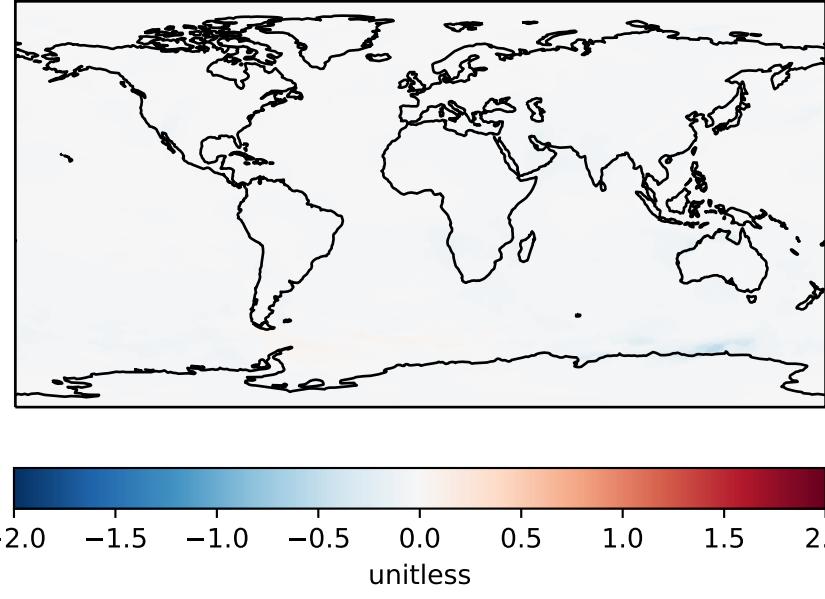
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

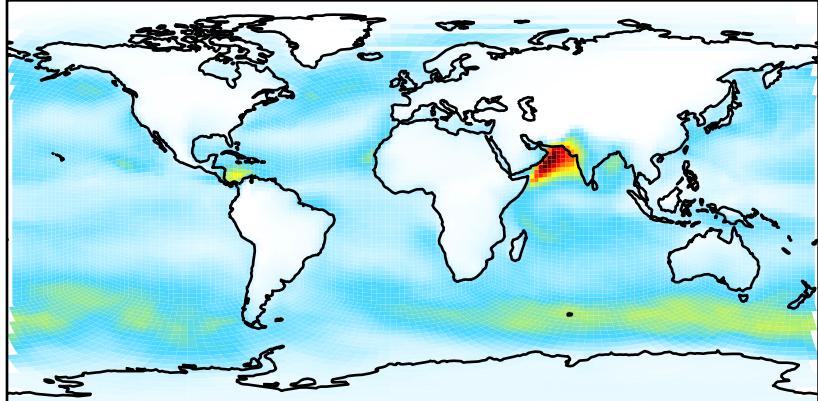


Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range

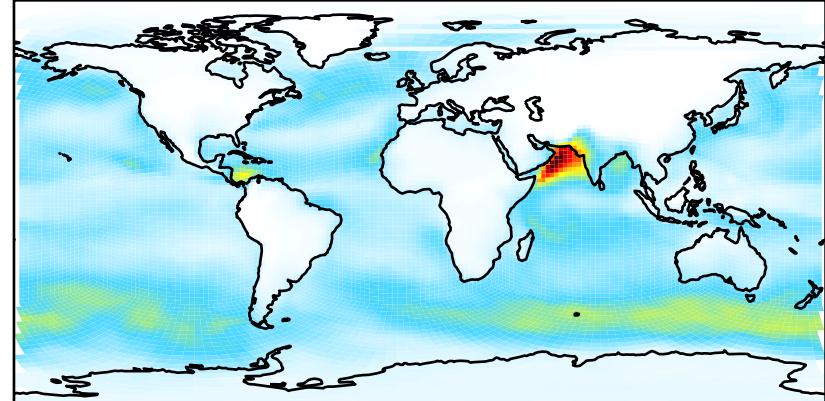


SpeciesConc_SALA

GCHP_12.5.0 (Ref)
c48



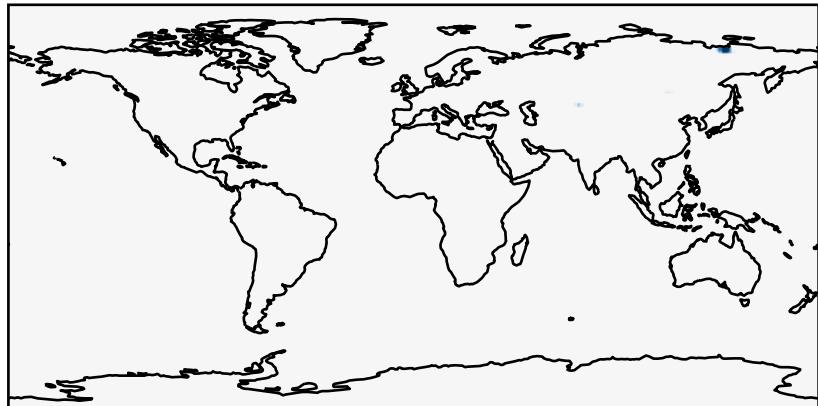
GCHP_12.6.0 (Dev)
c48



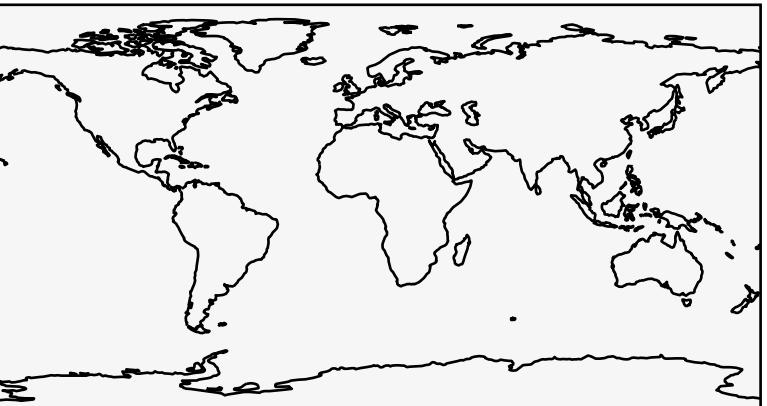
0.5 1.0 1.5 2.0 2.5 3.0 3.5
ppb

0.5 1.0 1.5 2.0 2.5 3.0 3.5
ppb

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

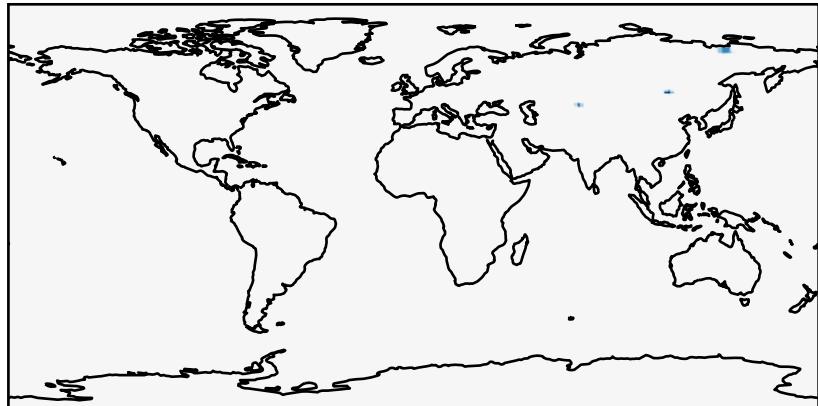


-1 0 1
ppb 1e-9



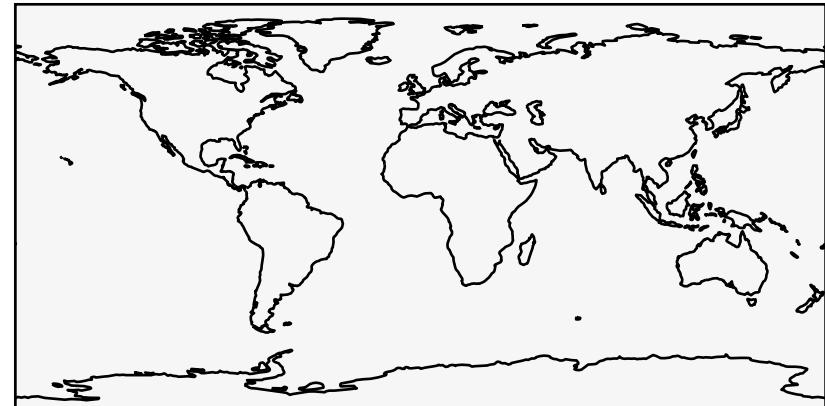
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ppb

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



-6 0 6
unitless 1e-8

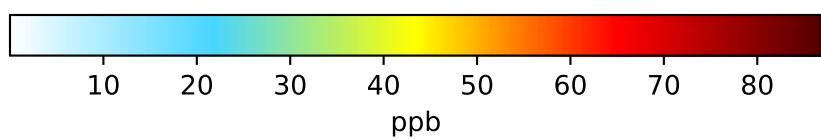
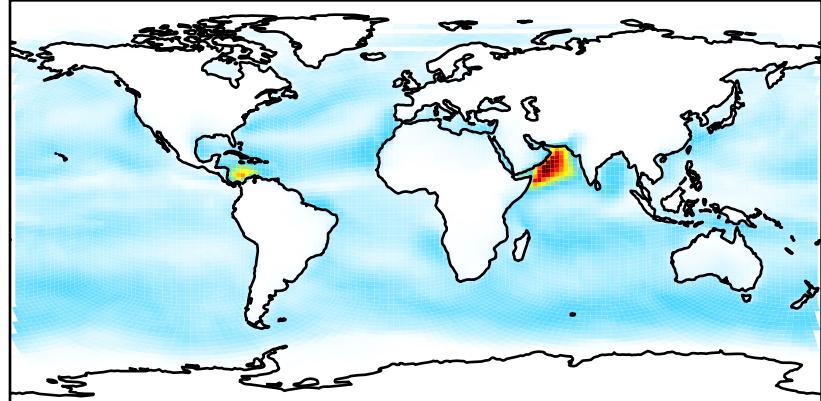
Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range



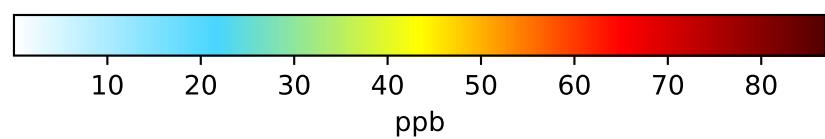
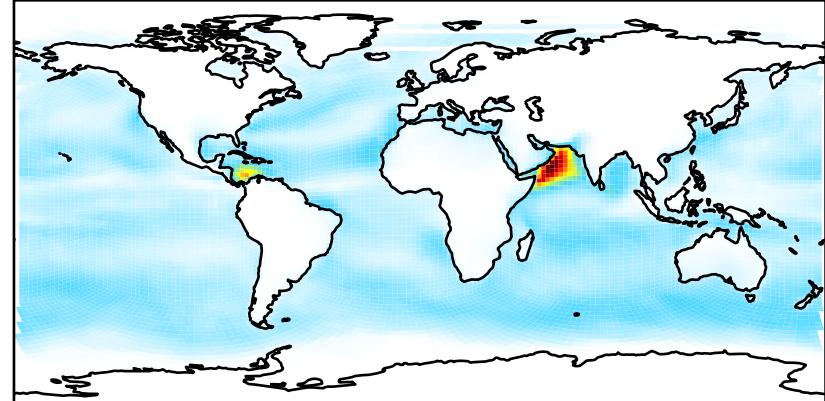
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unitless

SpeciesConc_SALC

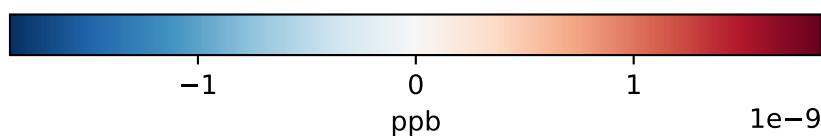
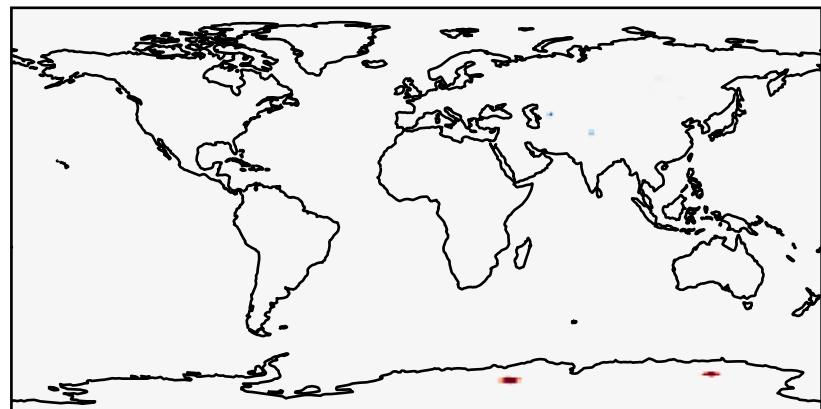
GCHP_12.5.0 (Ref)
c48



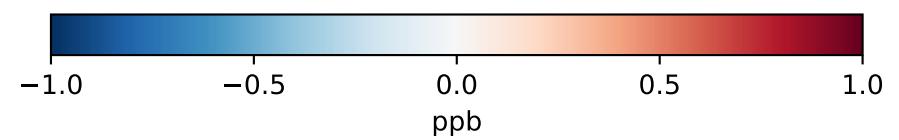
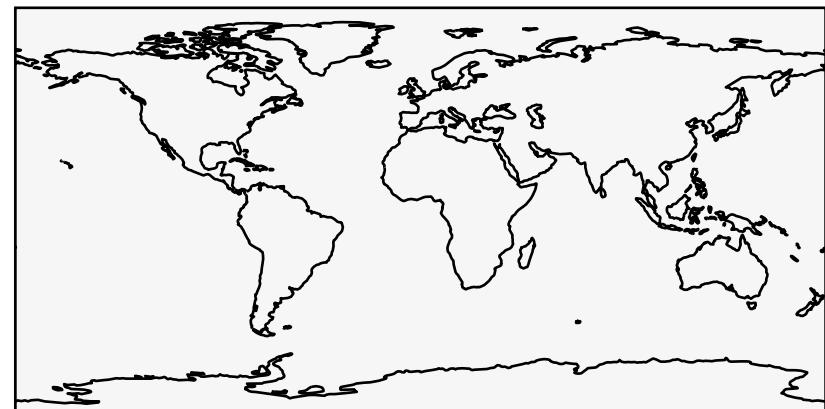
GCHP_12.6.0 (Dev)
c48



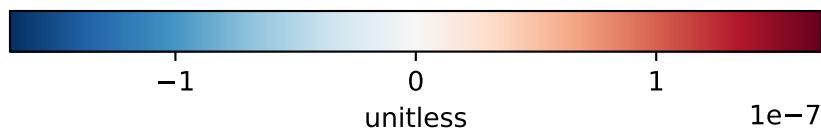
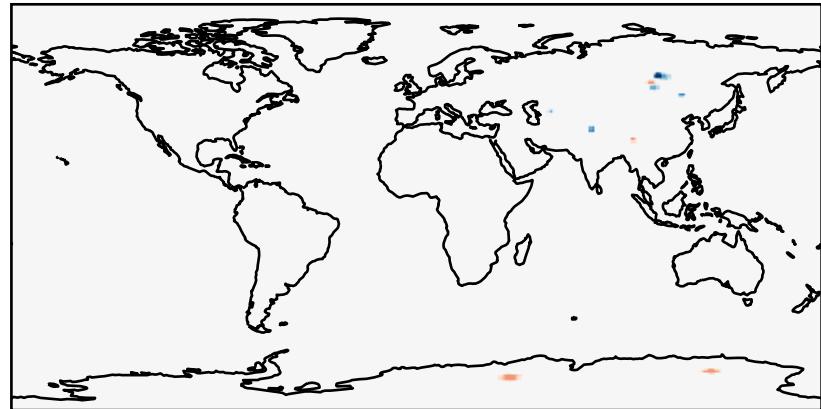
Difference (1x1.25)
Dev - Ref, Dynamic Range



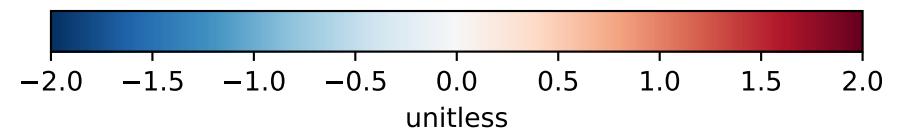
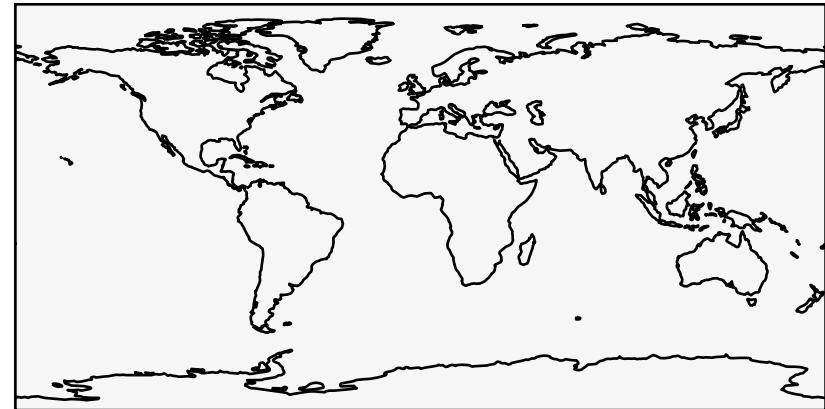
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

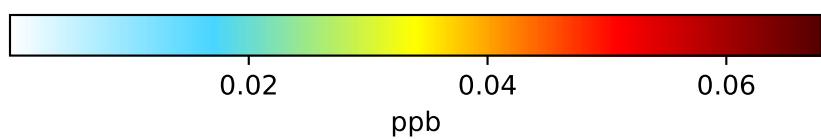
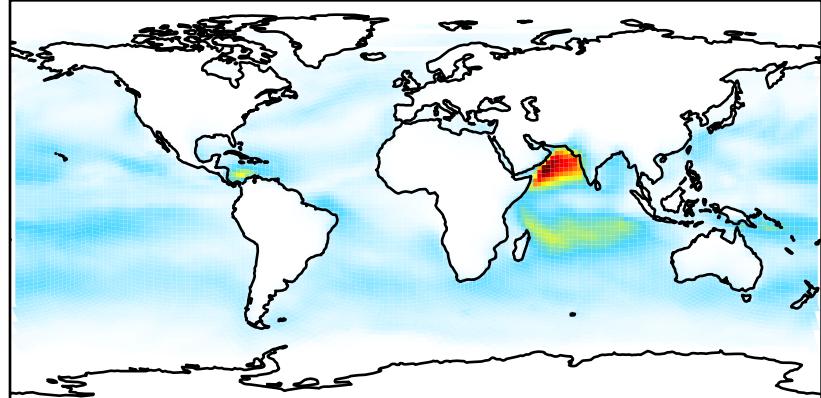


Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range

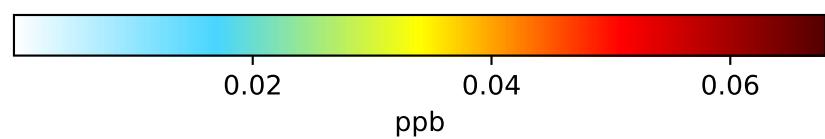
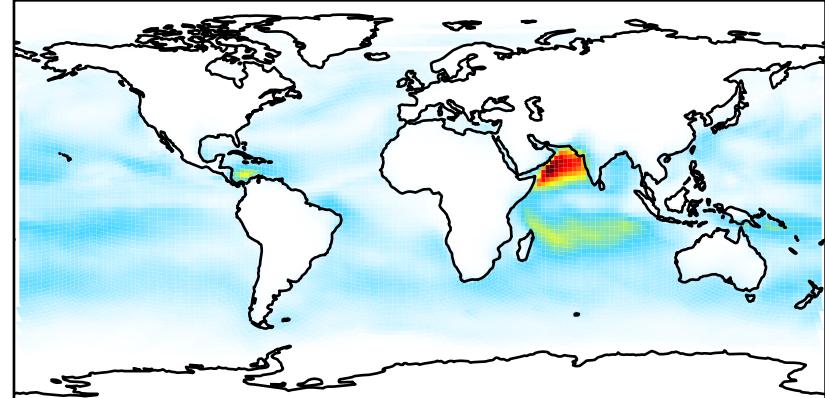


SpeciesConc_SO4s

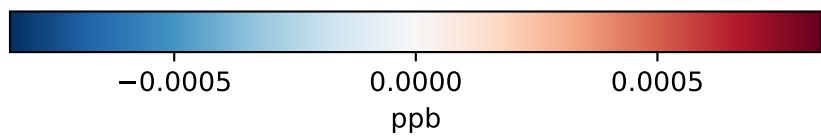
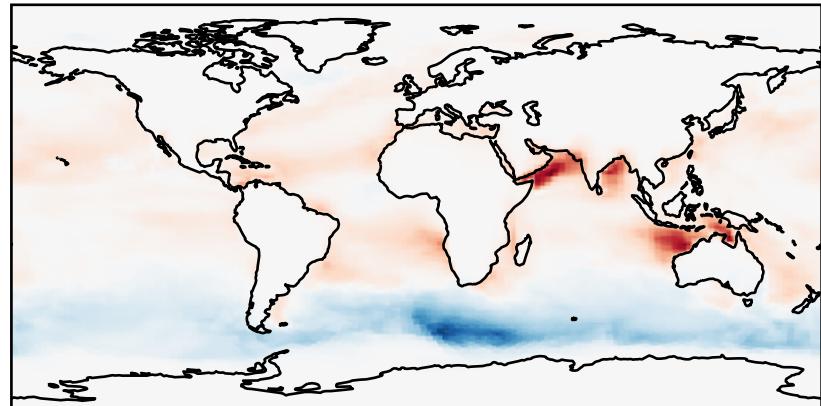
GCHP_12.5.0 (Ref)
c48



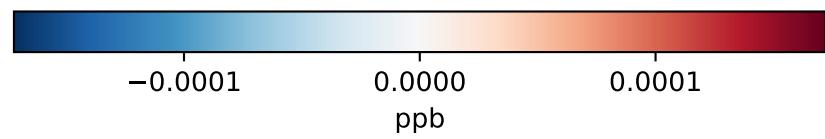
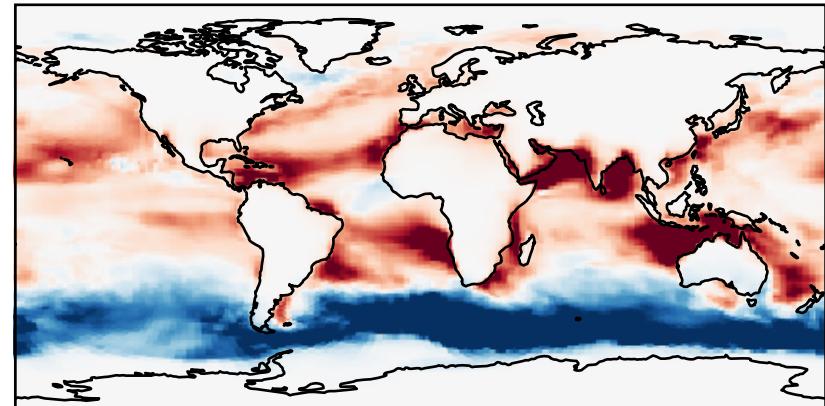
GCHP_12.6.0 (Dev)
c48



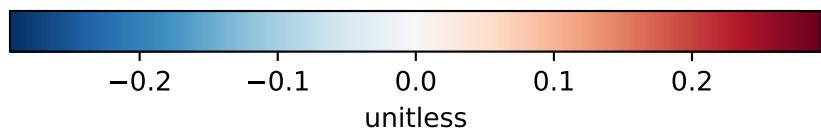
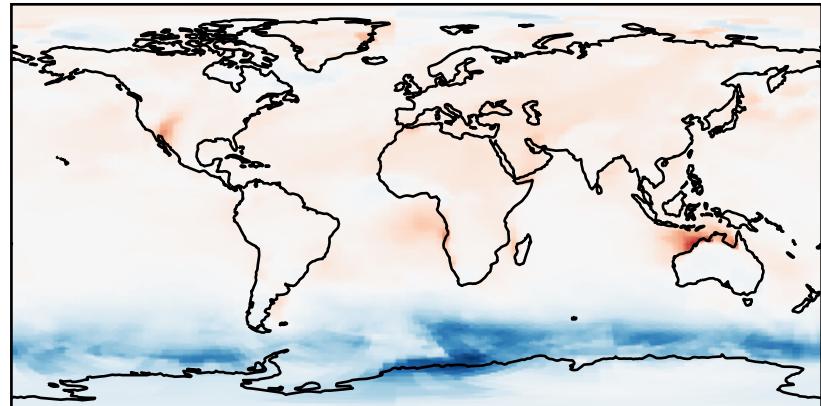
Difference (1x1.25)
Dev - Ref, Dynamic Range



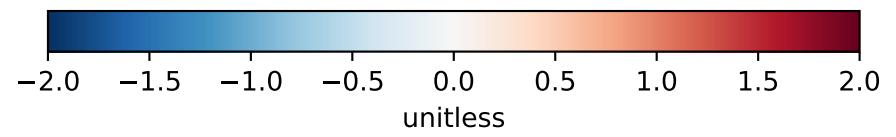
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

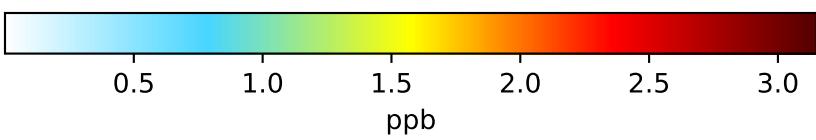
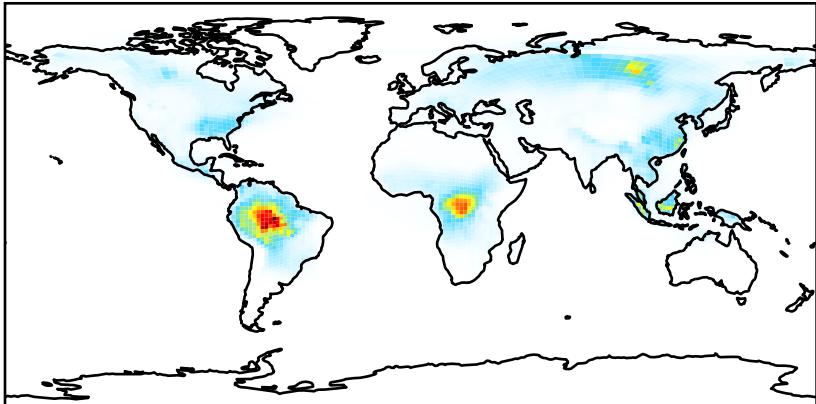


Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range

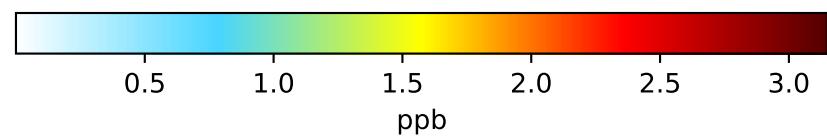
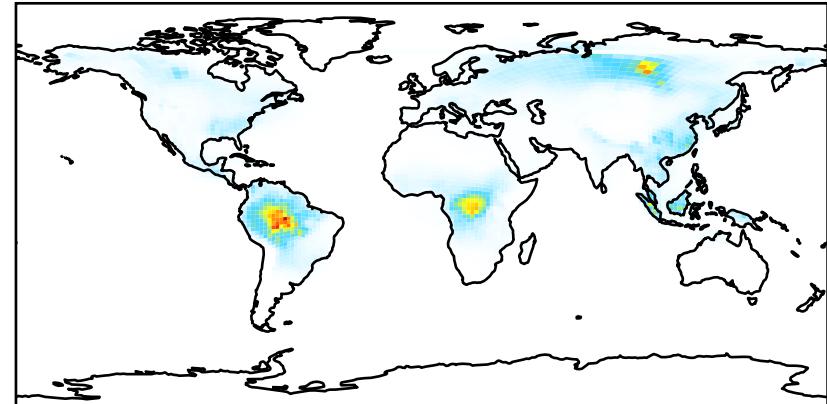


SpeciesConc_Complex_SOA

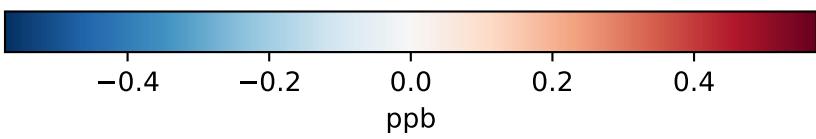
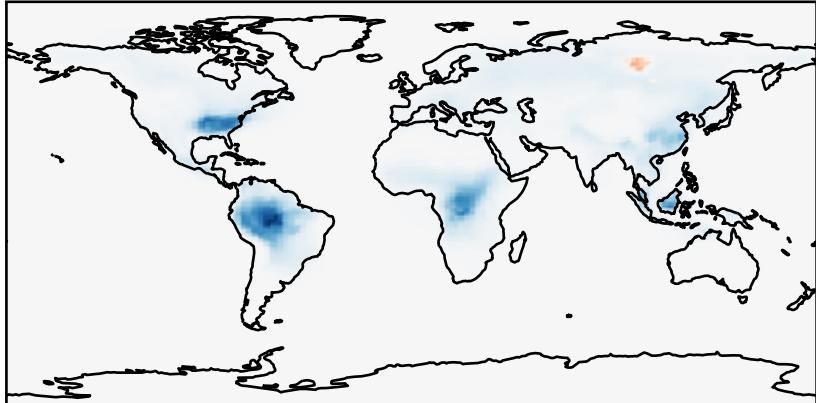
GCHP_12.5.0 (Ref)
c48



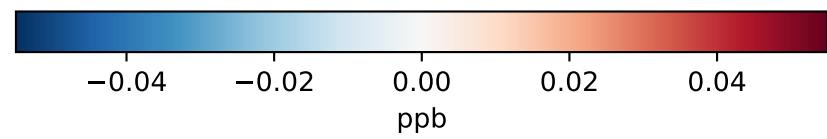
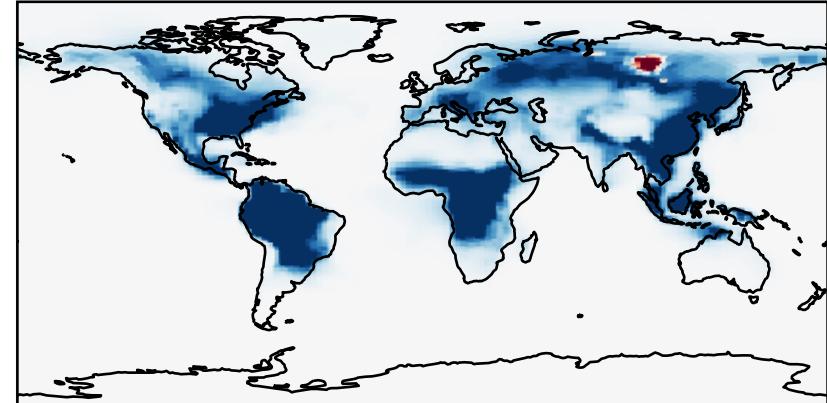
GCHP_12.6.0 (Dev)
c48



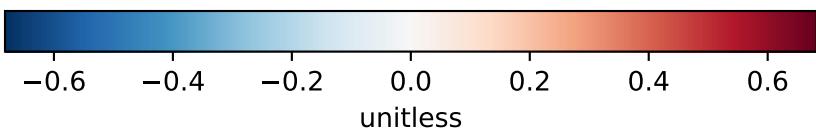
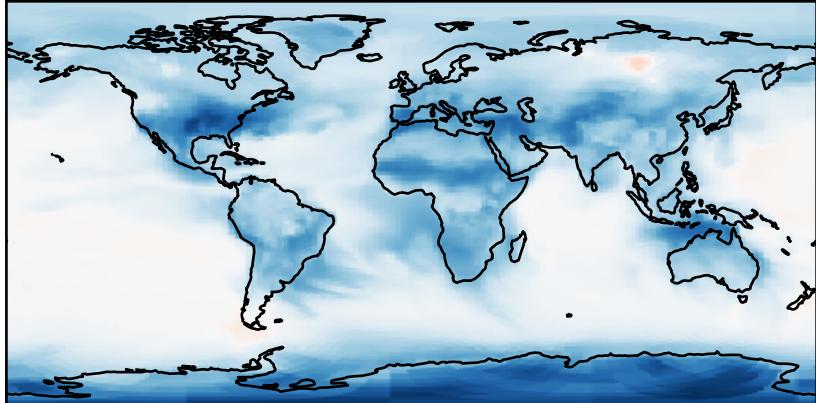
Difference (1x1.25)
Dev - Ref, Dynamic Range



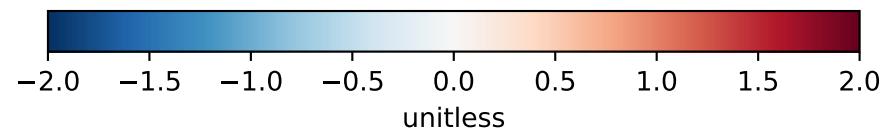
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

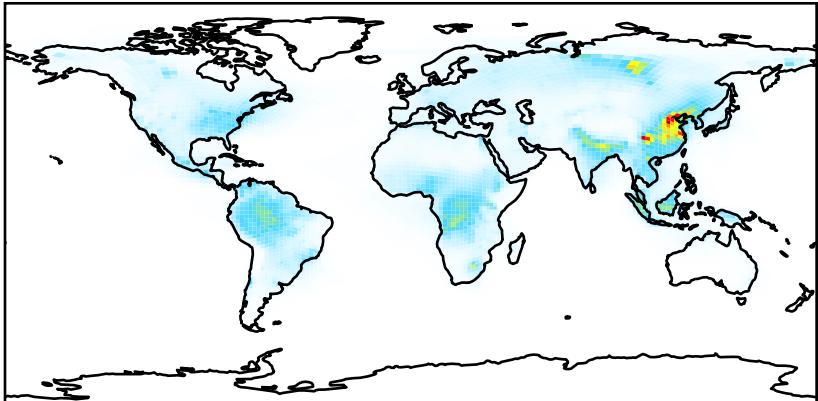


Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range

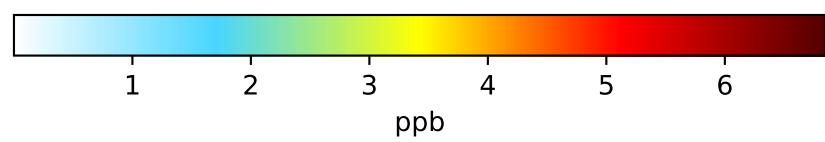
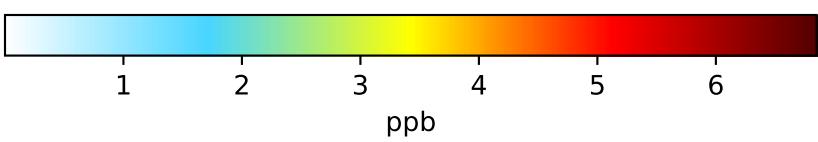
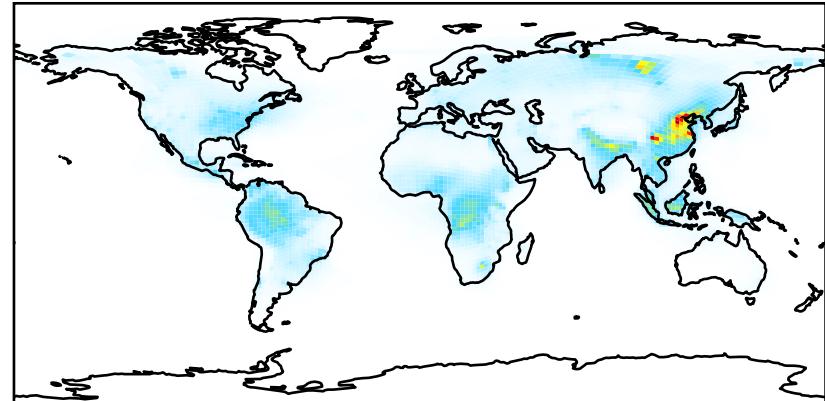


SpeciesConc_Simple_SOA

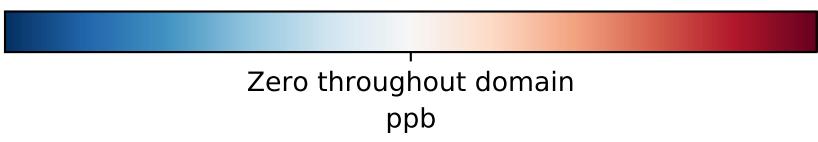
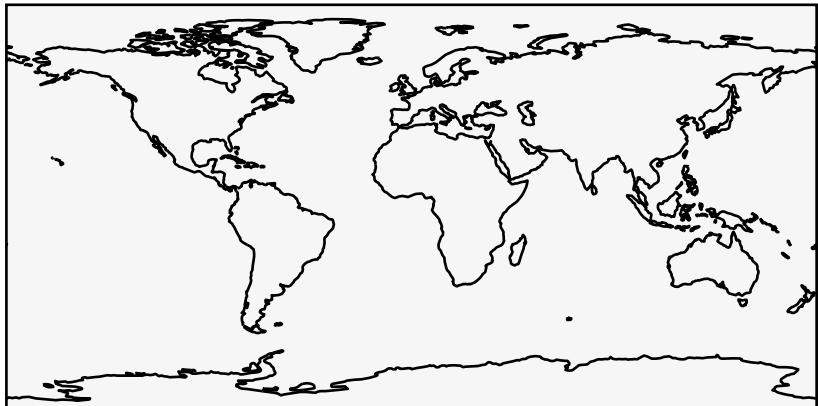
GCHP_12.5.0 (Ref)
c48



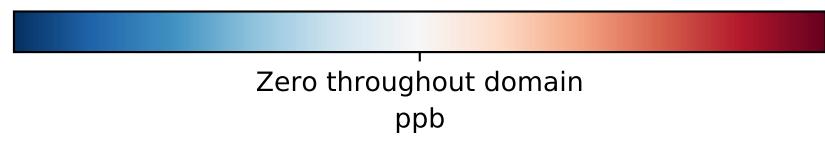
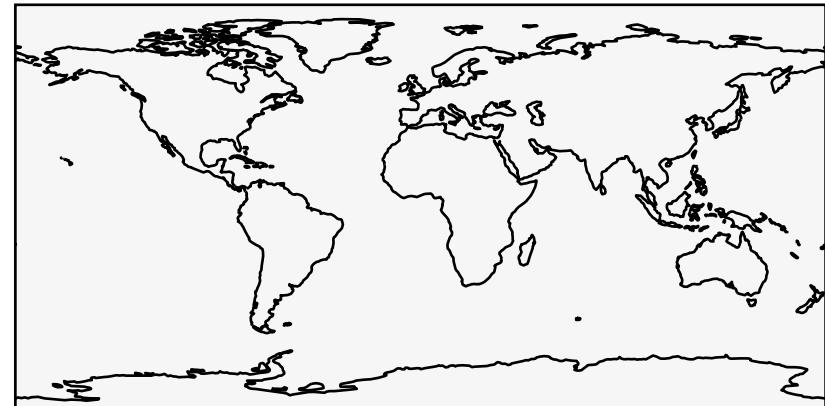
GCHP_12.6.0 (Dev)
c48



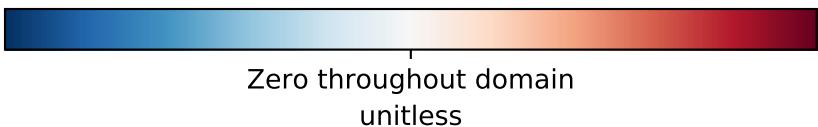
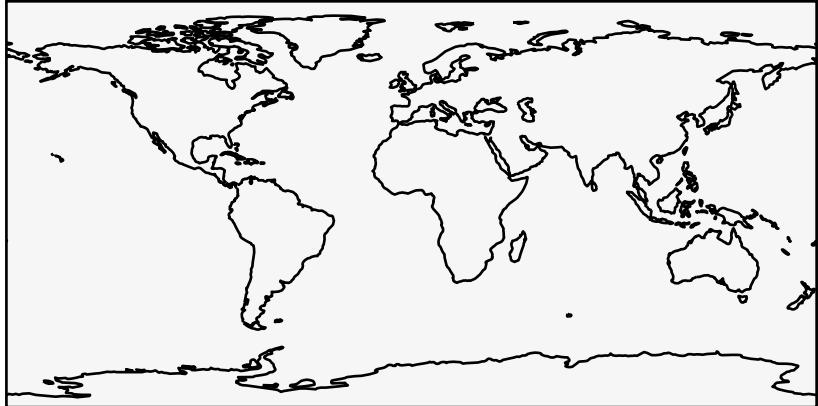
Difference (1x1.25)
Dev - Ref, Dynamic Range



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

