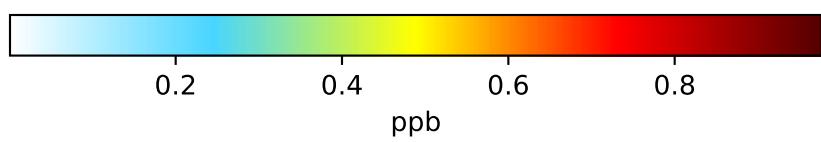
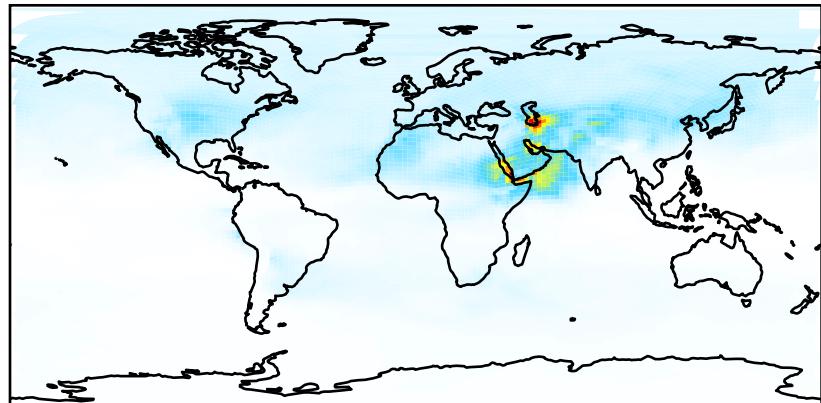
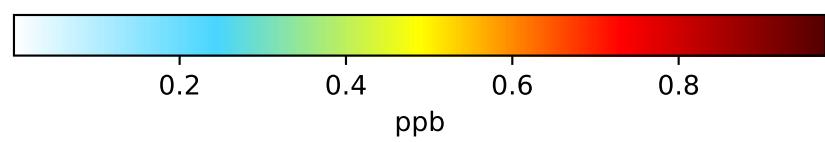
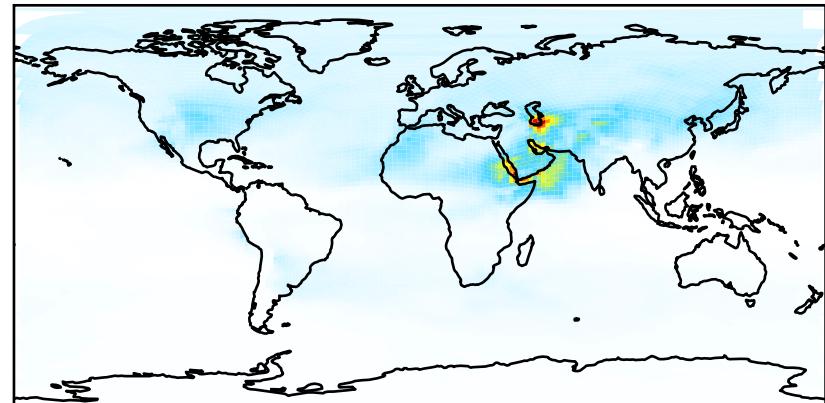


SpeciesConc_NH4

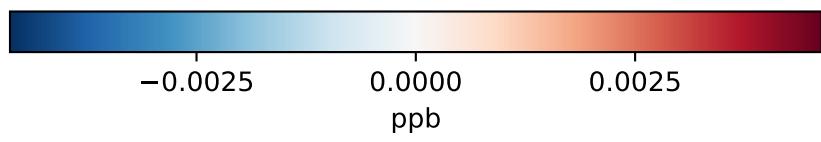
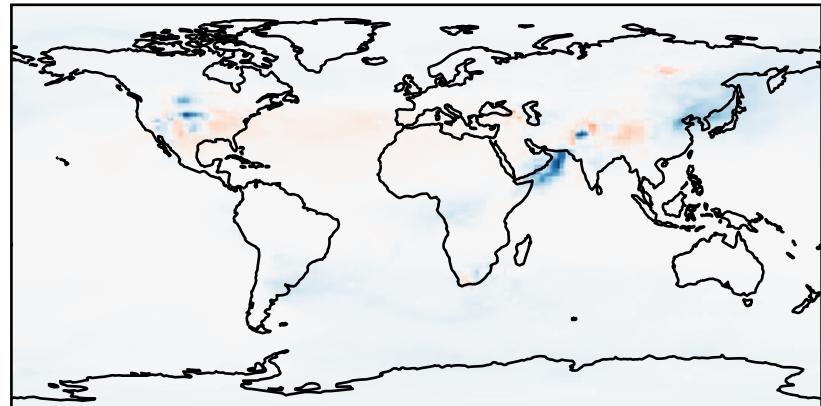
GCHP_12.5.0 (Ref)
c48



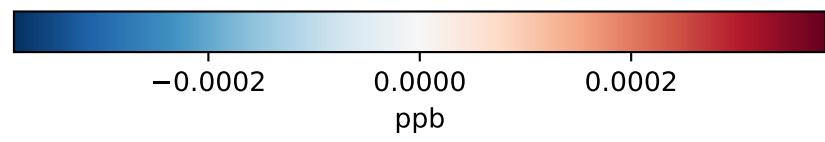
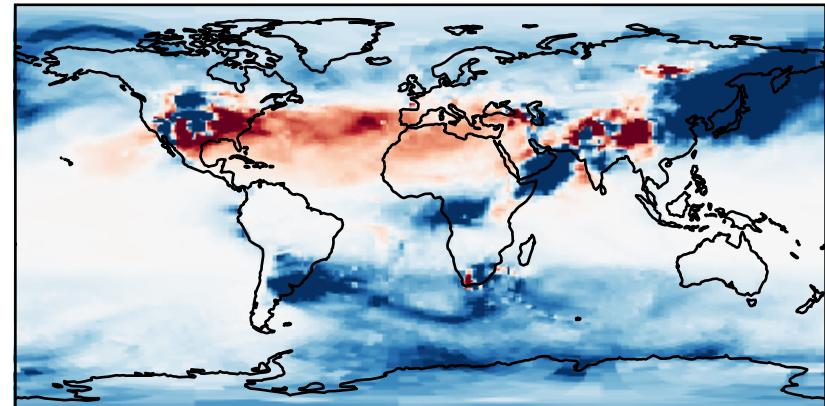
GCHP_12.6.0 (Dev)
c48



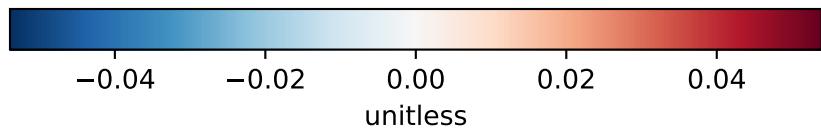
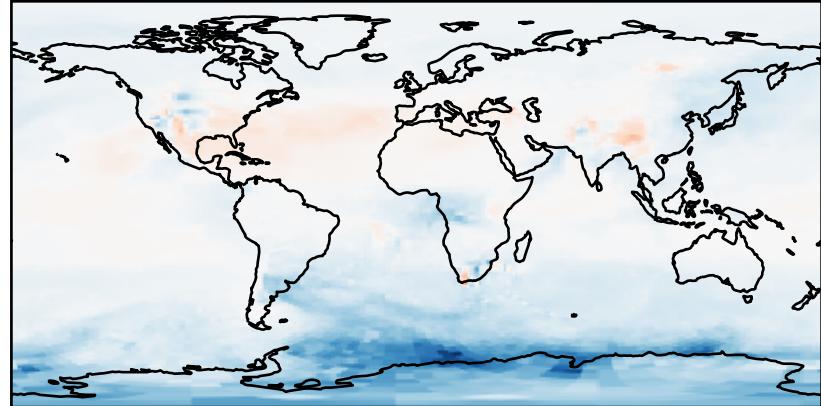
Difference (1x1.25)
Dev - Ref, Dynamic Range



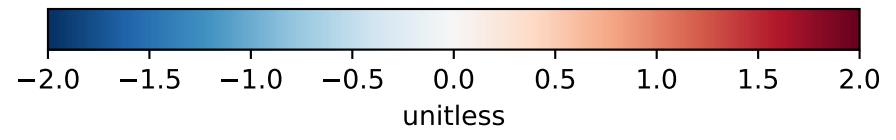
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

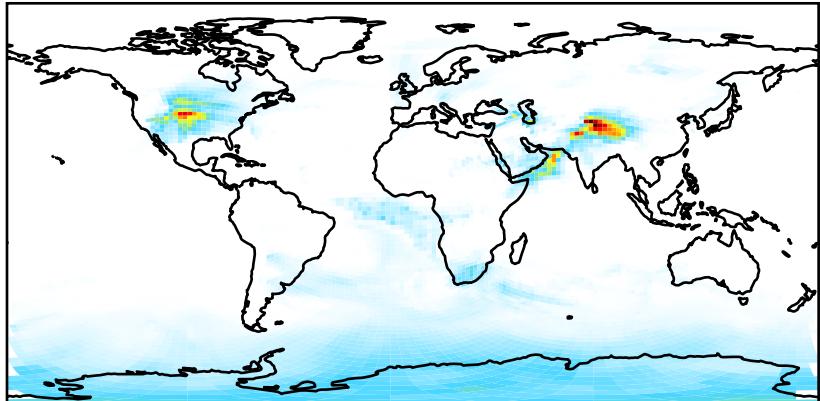


Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range

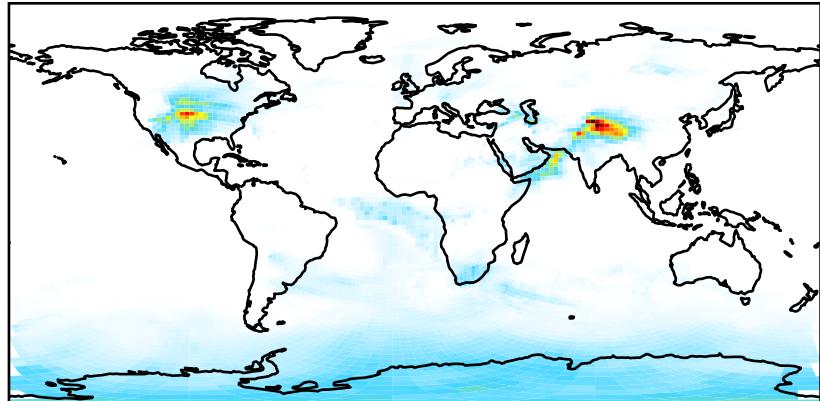


SpeciesConc_NIT

GCHP_12.5.0 (Ref)
c48



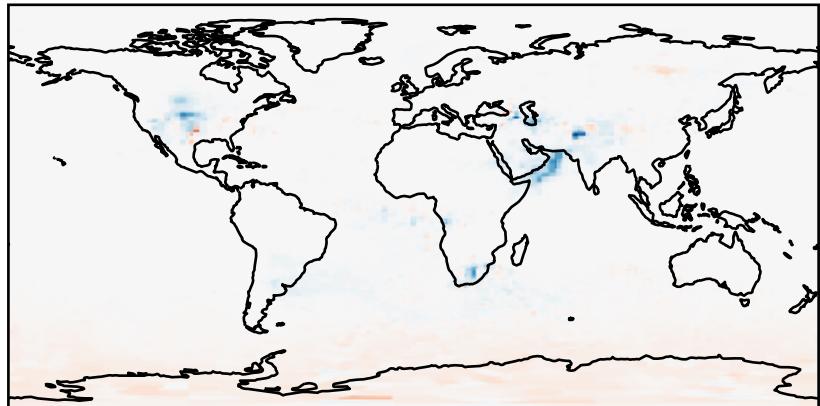
GCHP_12.6.0 (Dev)
c48



0.025 0.050 0.075
ppb

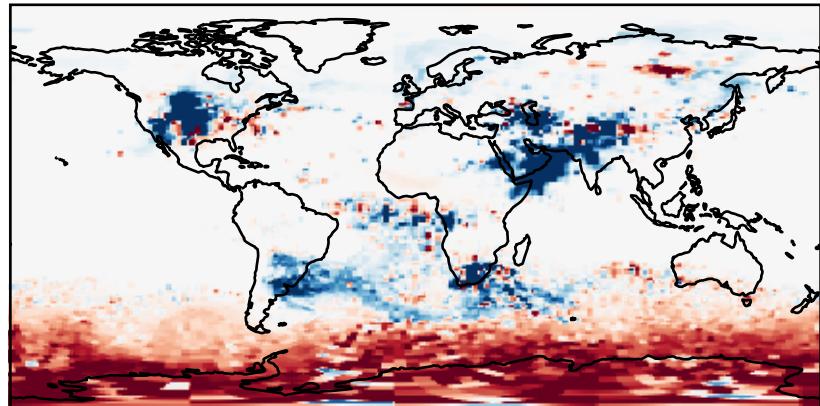
0.025 0.050 0.075
ppb

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



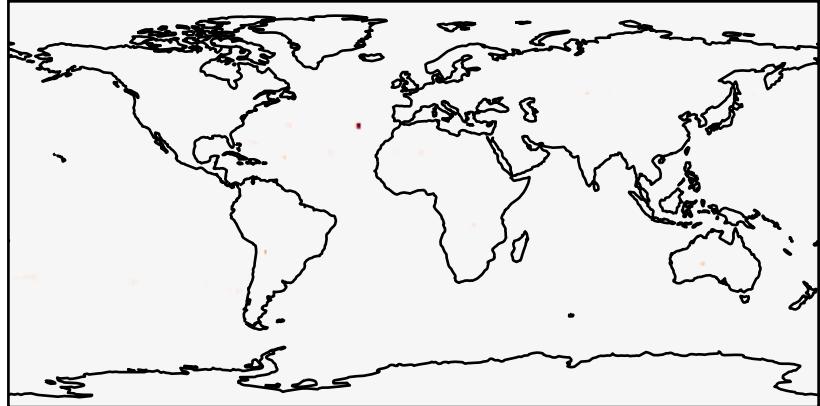
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ppb

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



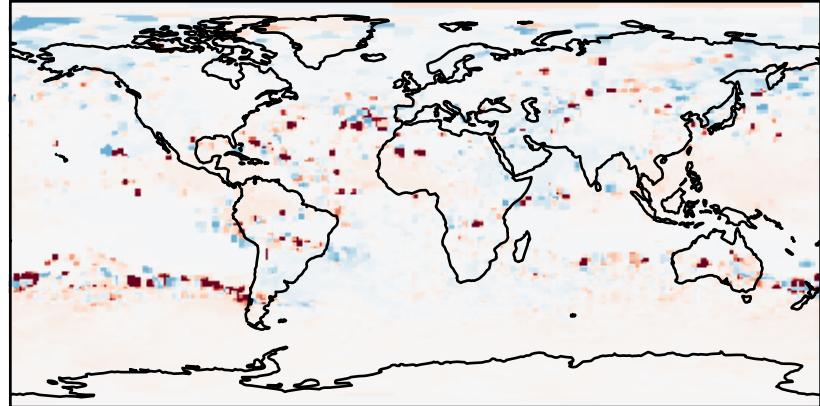
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ppb

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



-800 0 800
unitless

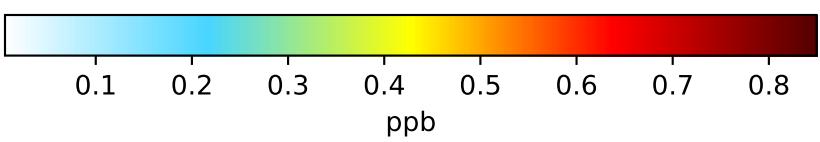
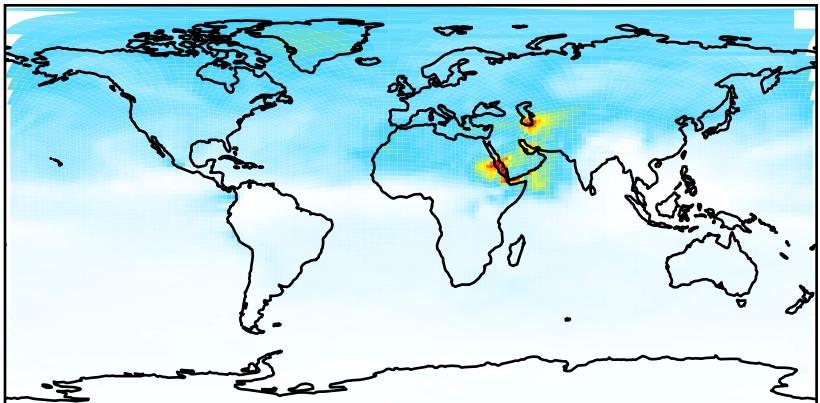
Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range



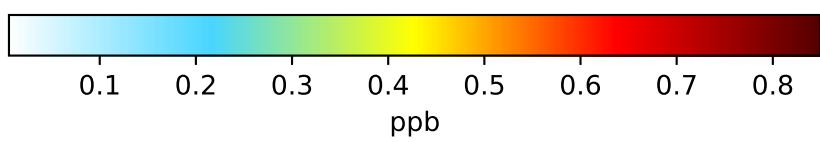
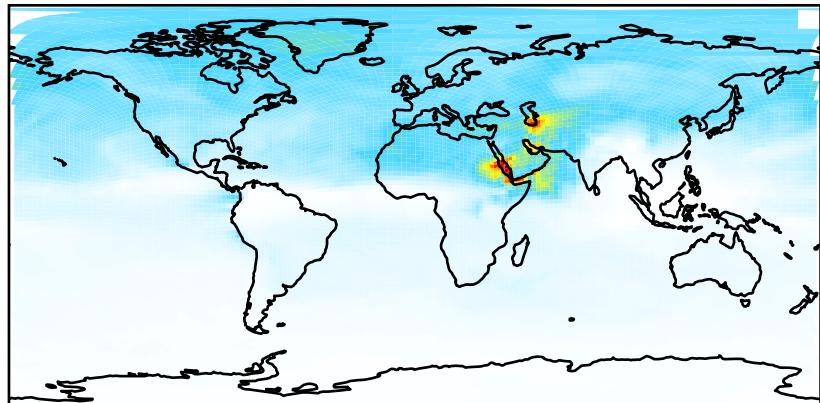
-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0 1.5 2.0
unitless

SpeciesConc_SO4

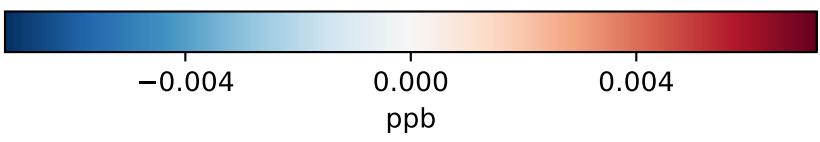
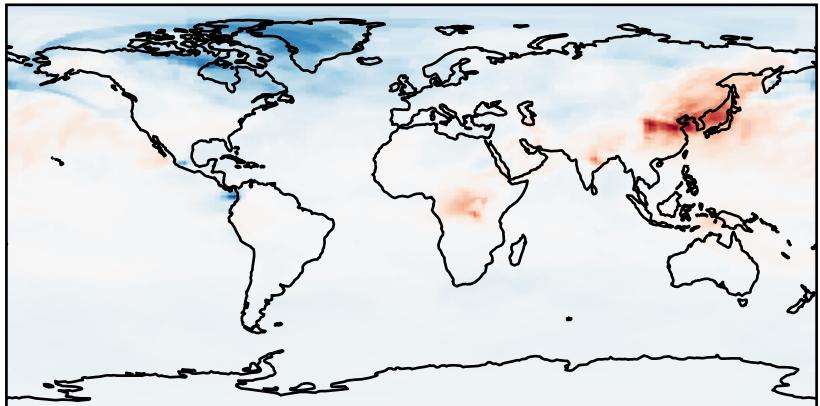
GCHP_12.5.0 (Ref)
c48



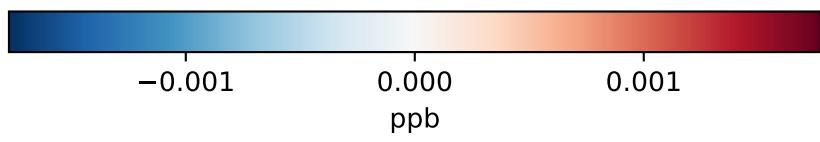
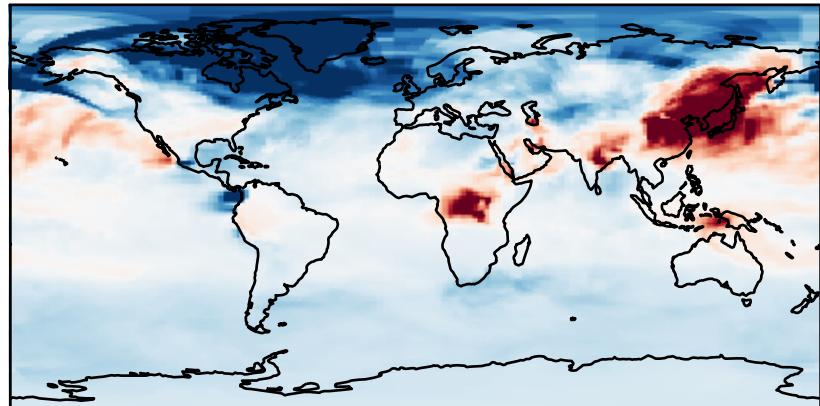
GCHP_12.6.0 (Dev)
c48



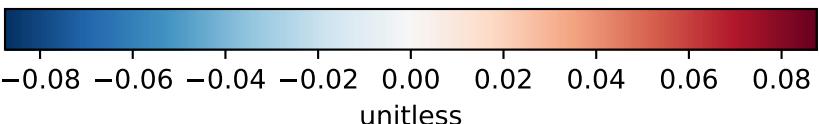
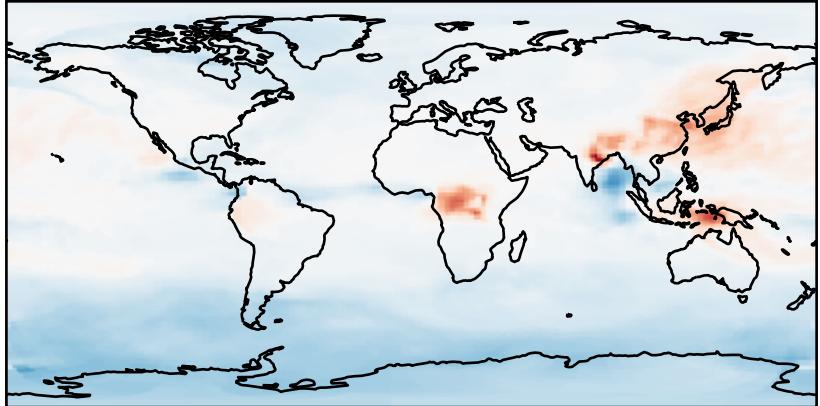
Difference (1x1.25)
Dev - Ref, Dynamic Range



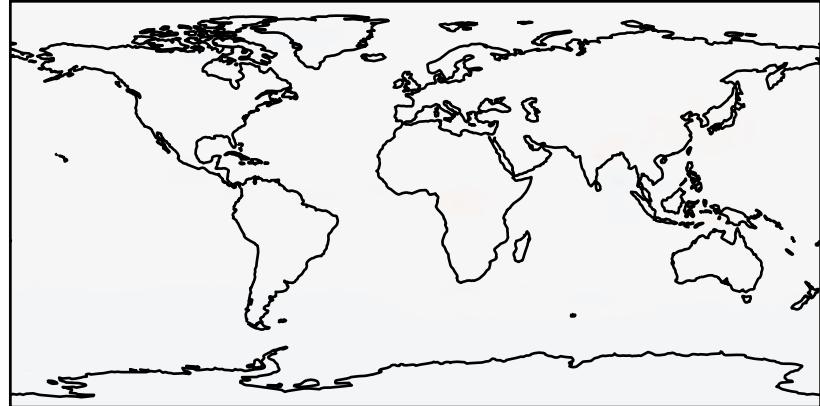
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

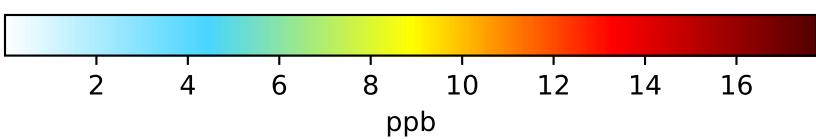
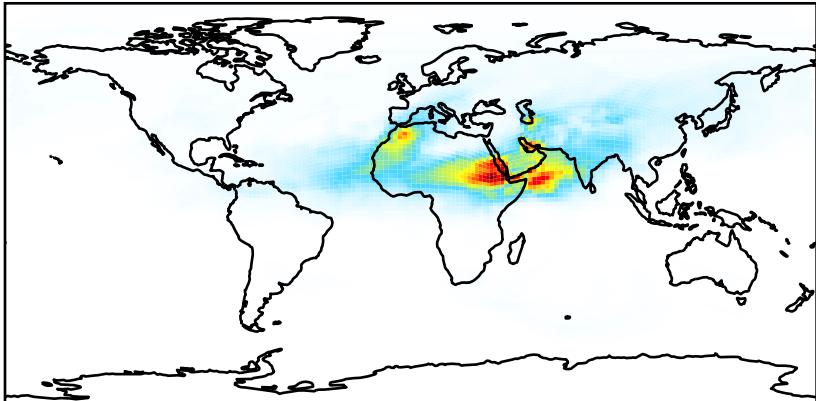


Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range

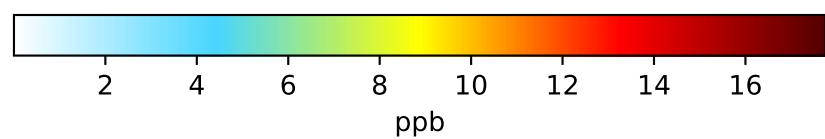
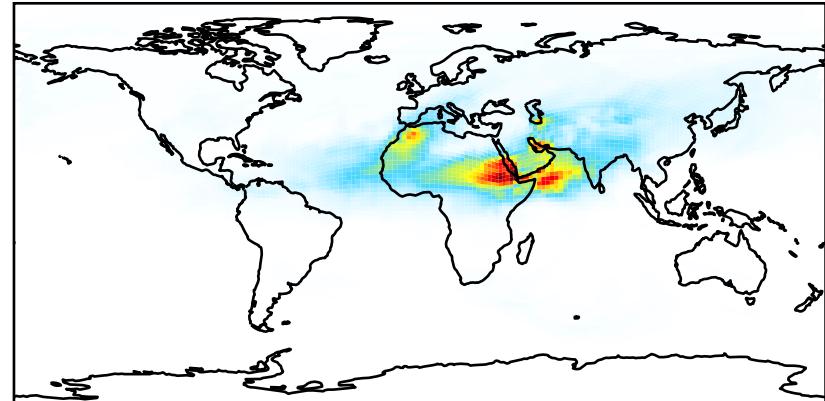


SpeciesConc_DST1

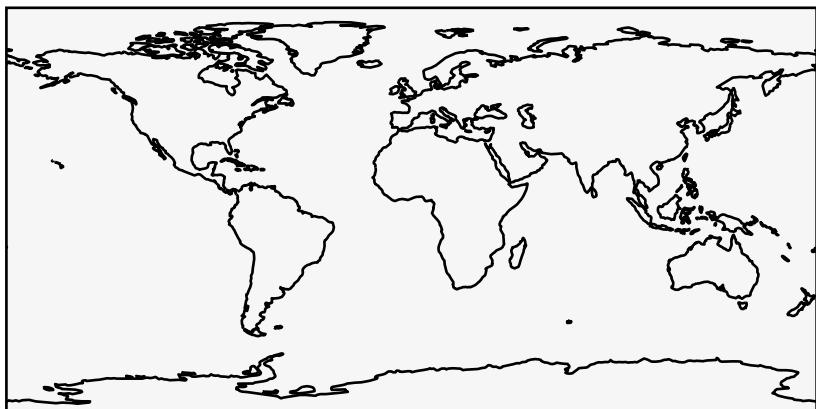
GCHP_12.5.0 (Ref)
c48



GCHP_12.6.0 (Dev)
c48

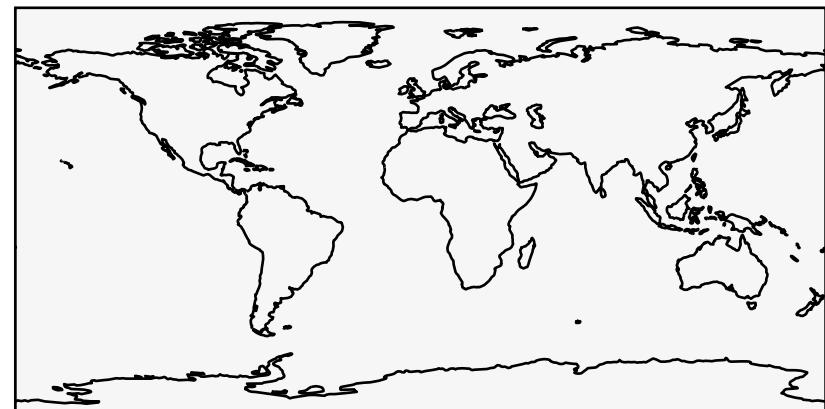


Difference (1x1.25)
Dev - Ref, Dynamic Range



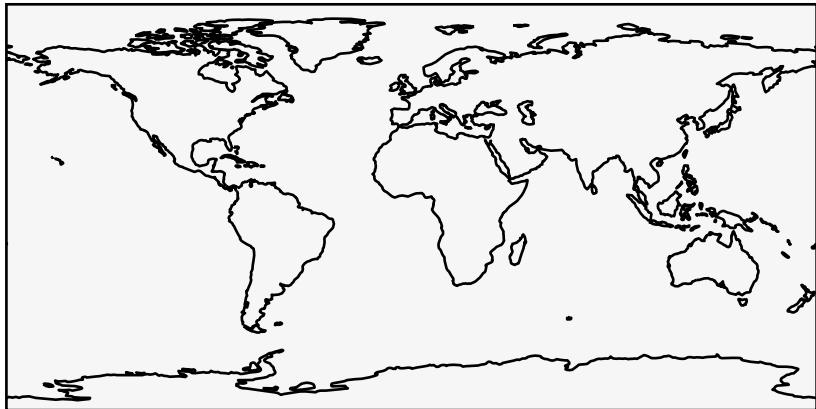
Zero throughout domain
ppb

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



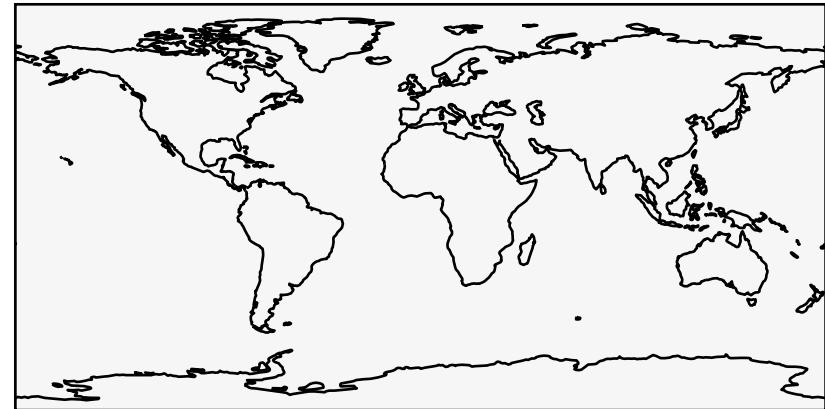
Zero throughout domain
ppb

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



Zero throughout domain
unitless

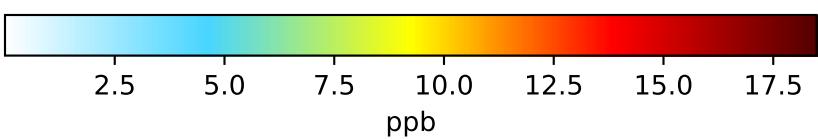
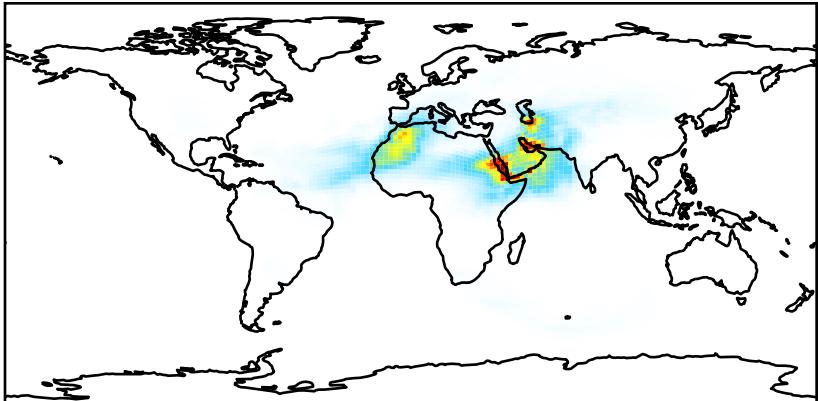
Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range



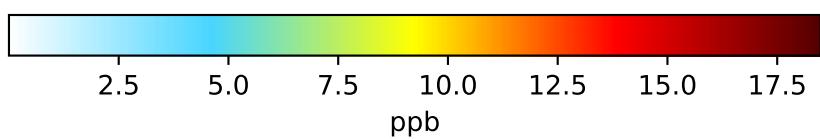
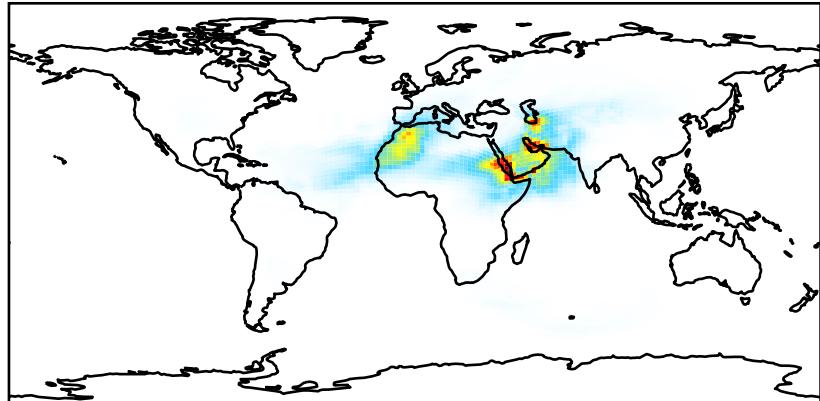
Zero throughout domain
unitless

SpeciesConc_DST2

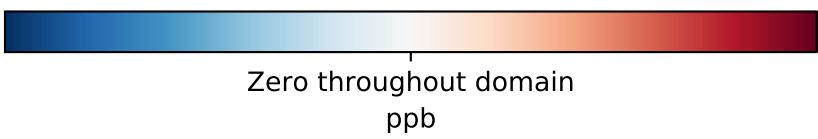
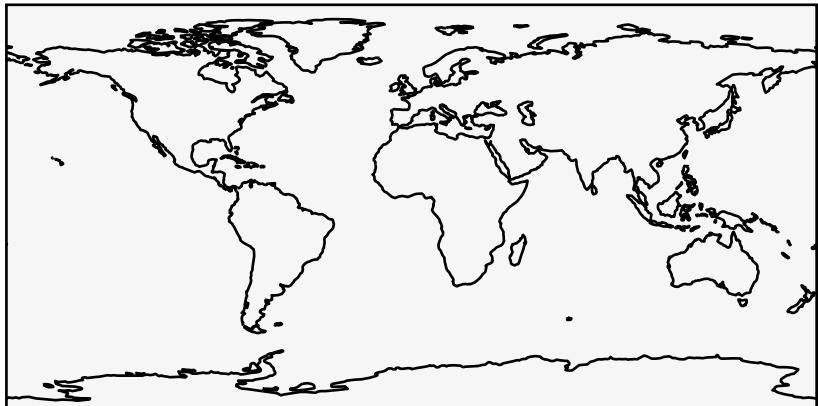
GCHP_12.5.0 (Ref)
c48



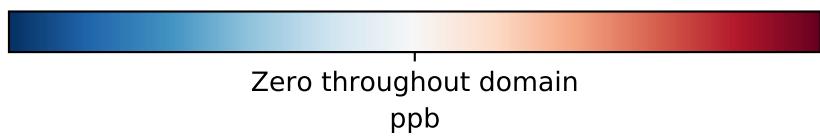
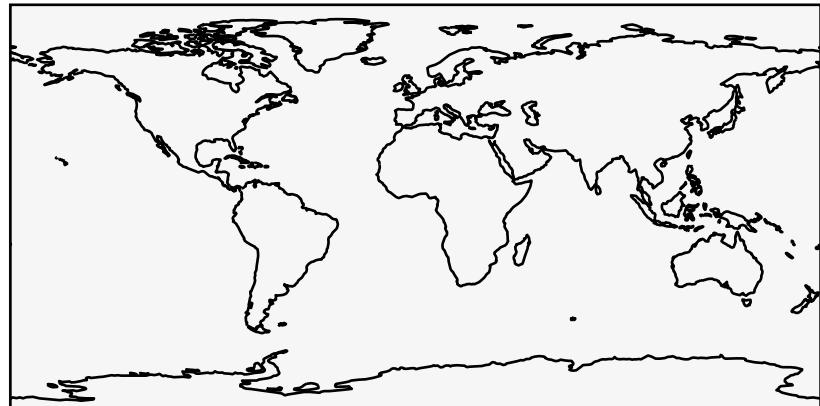
GCHP_12.6.0 (Dev)
c48



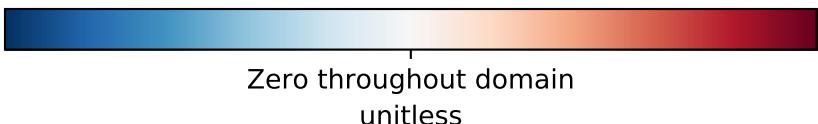
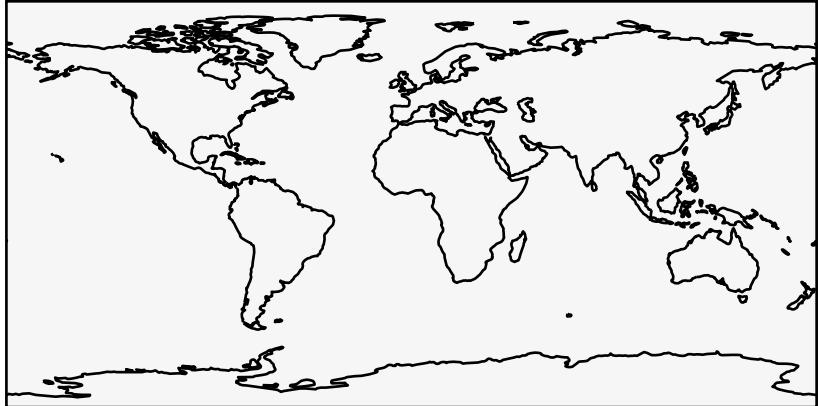
Difference (1x1.25)
Dev - Ref, Dynamic Range



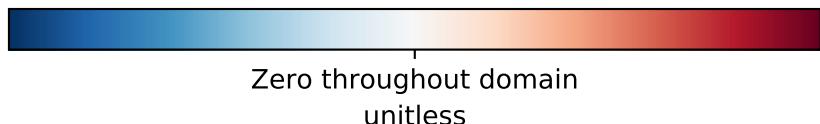
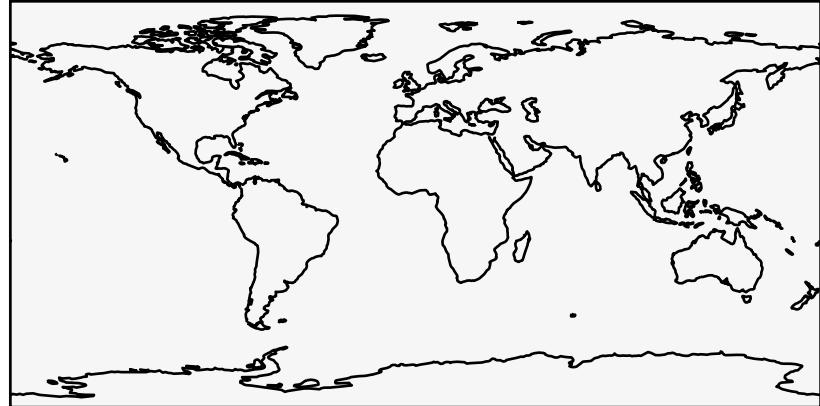
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

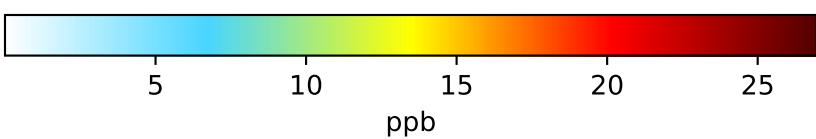
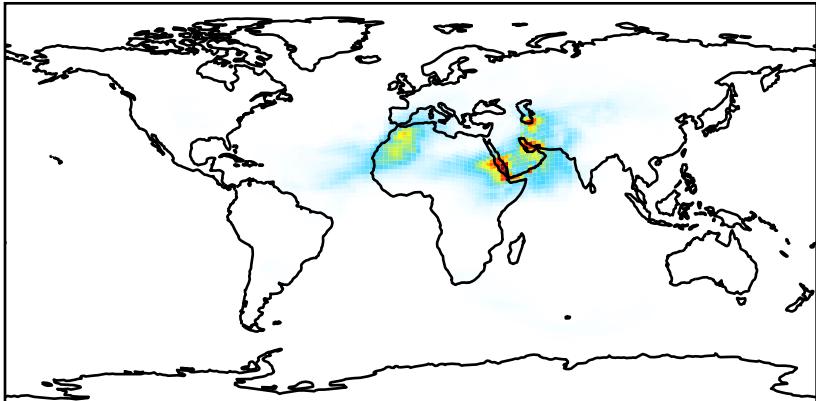


Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range

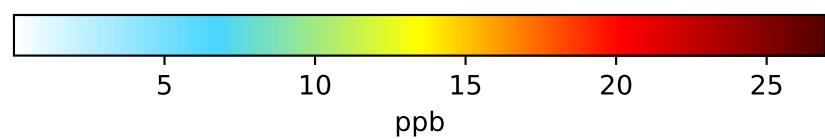
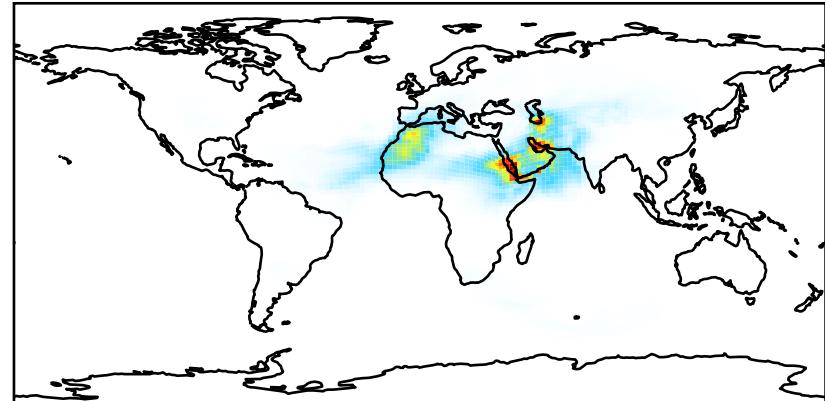


SpeciesConc_DST3

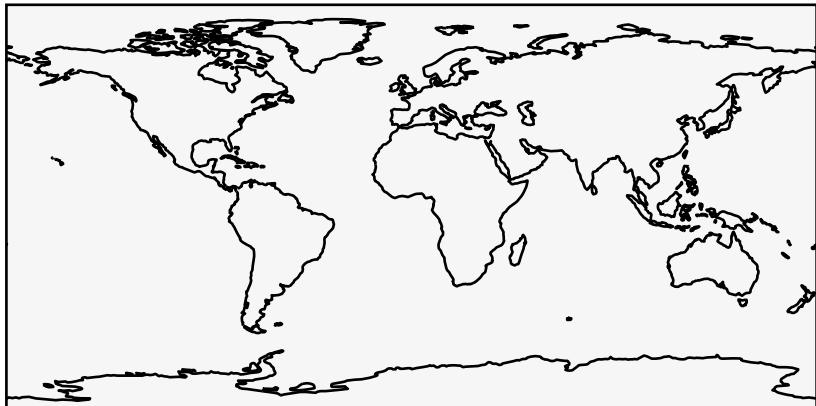
GCHP_12.5.0 (Ref)
c48



GCHP_12.6.0 (Dev)
c48

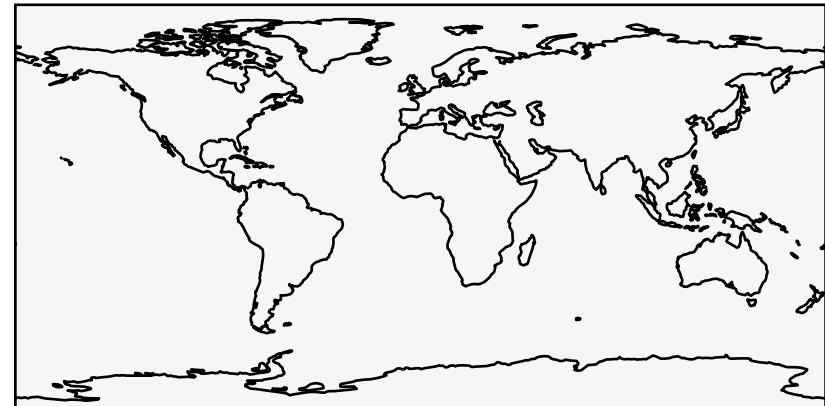


Difference (1x1.25)
Dev - Ref, Dynamic Range



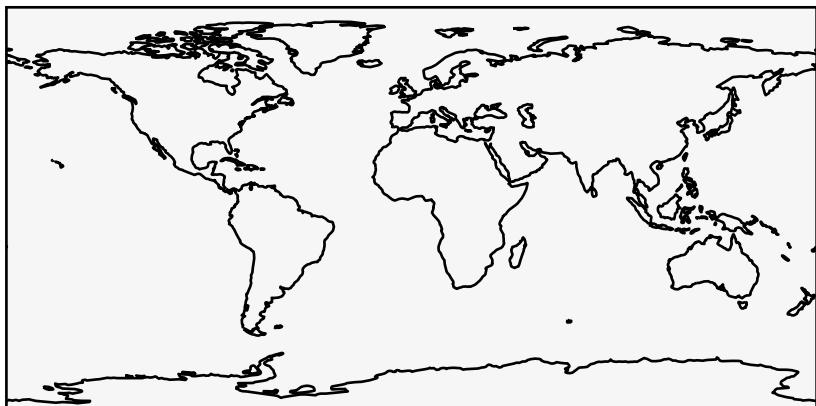
Zero throughout domain
ppb

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



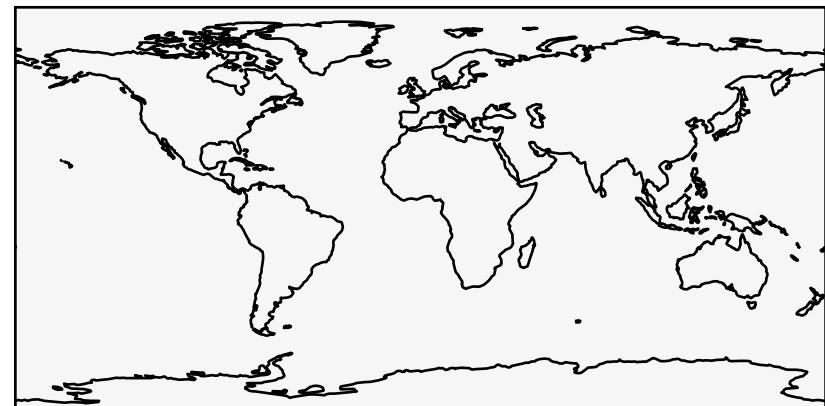
Zero throughout domain
ppb

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



Zero throughout domain
unitless

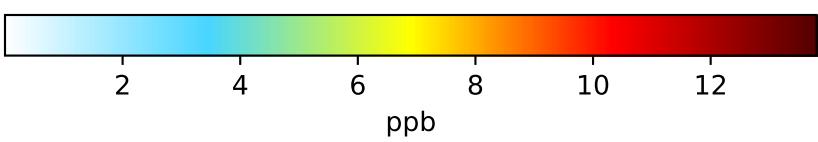
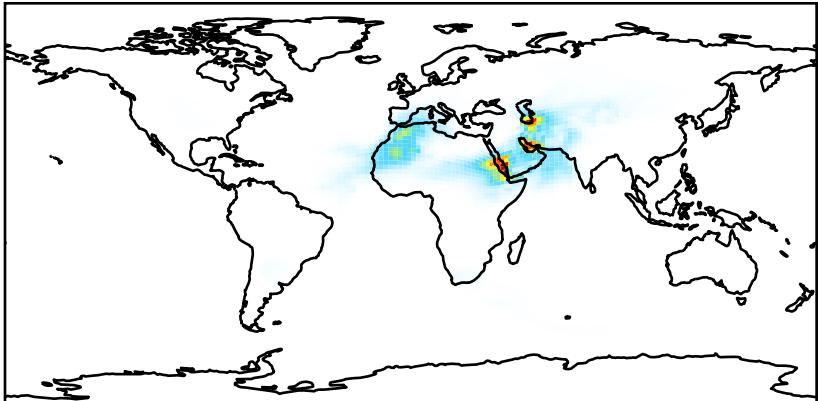
Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range



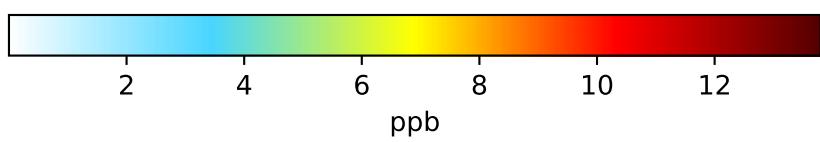
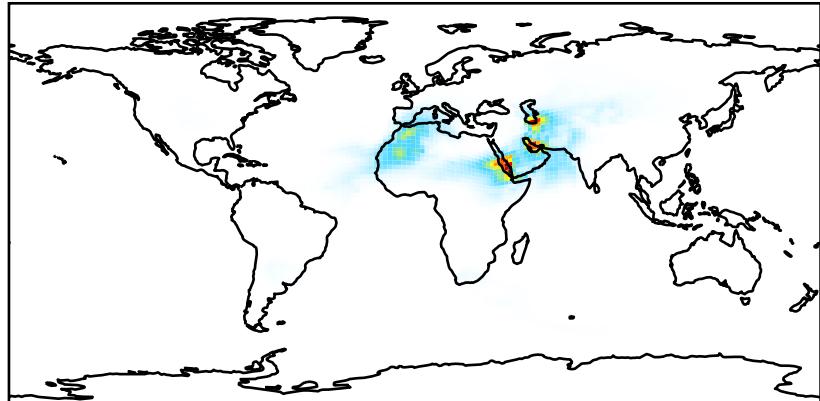
Zero throughout domain
unitless

SpeciesConc_DST4

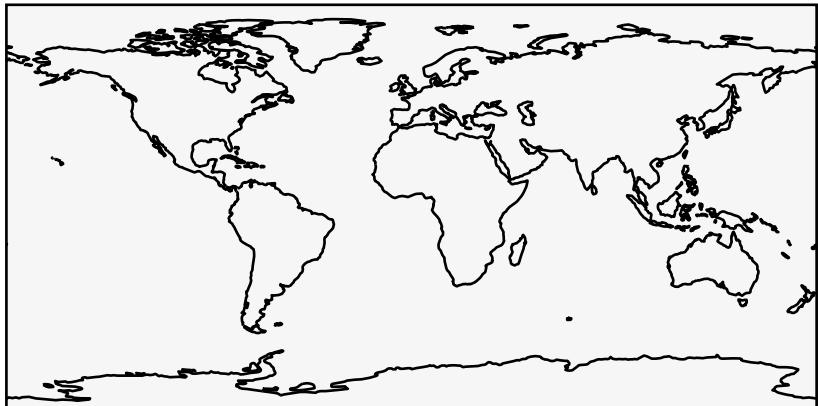
GCHP_12.5.0 (Ref)
c48



GCHP_12.6.0 (Dev)
c48

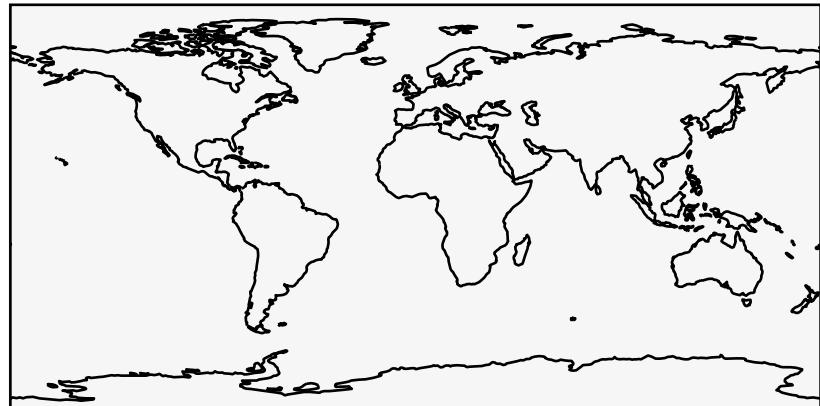


Difference (1x1.25)
Dev - Ref, Dynamic Range



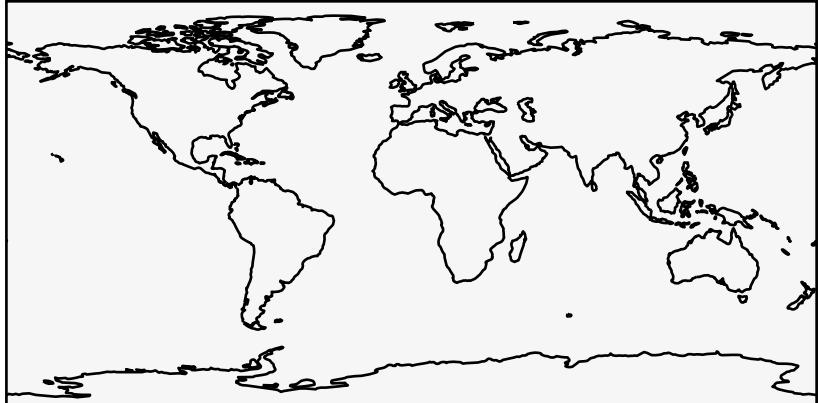
Zero throughout domain
ppb

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



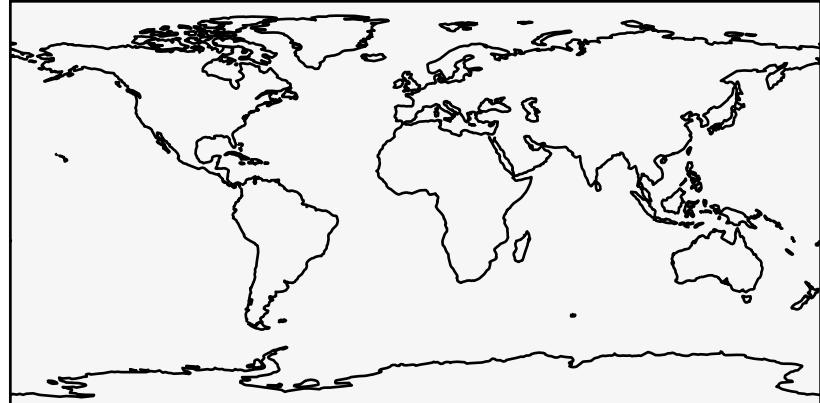
Zero throughout domain
ppb

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



Zero throughout domain
unitless

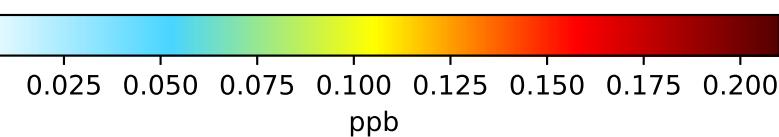
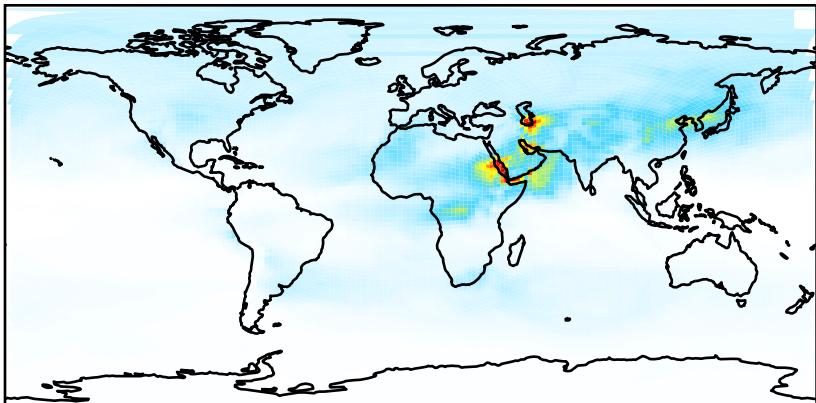
Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range



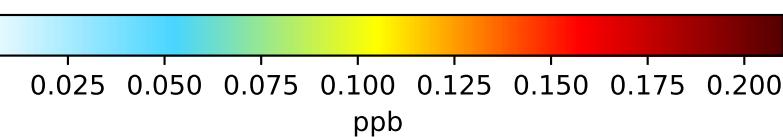
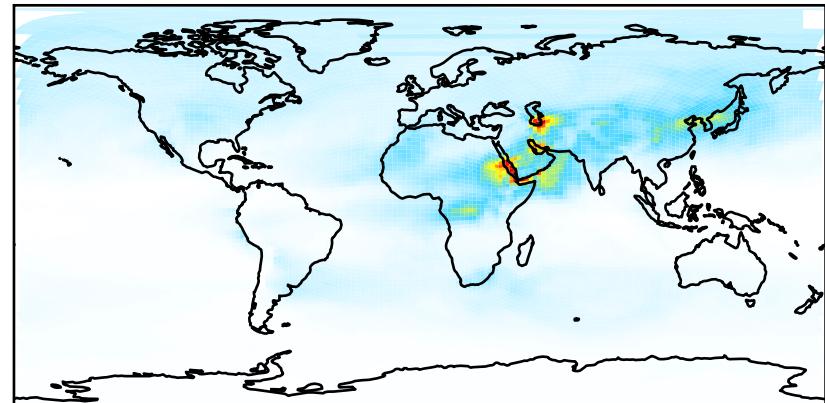
Zero throughout domain
unitless

SpeciesConc_BCPI

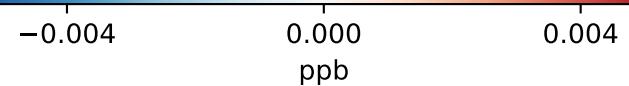
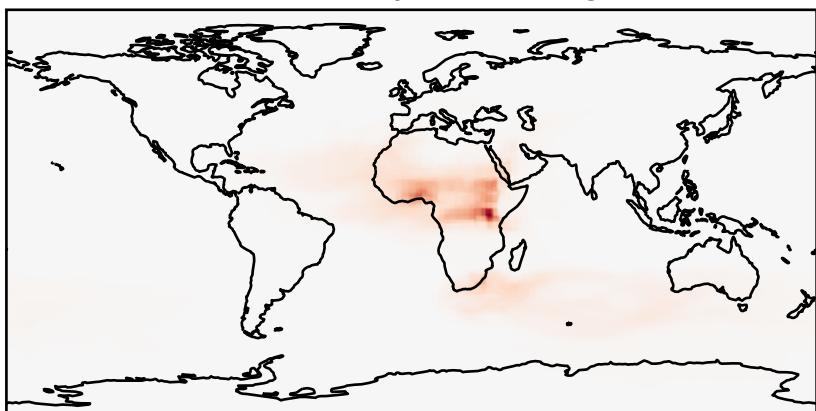
GCHP_12.5.0 (Ref)
c48



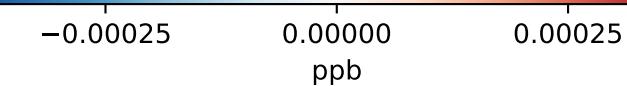
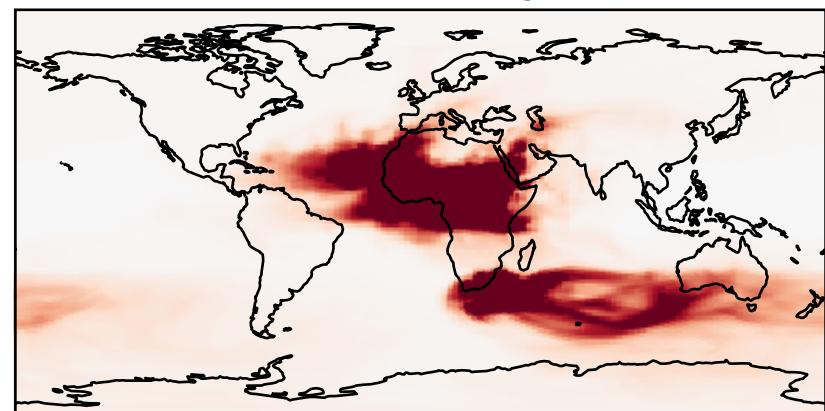
GCHP_12.6.0 (Dev)
c48



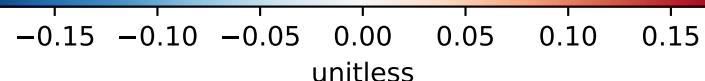
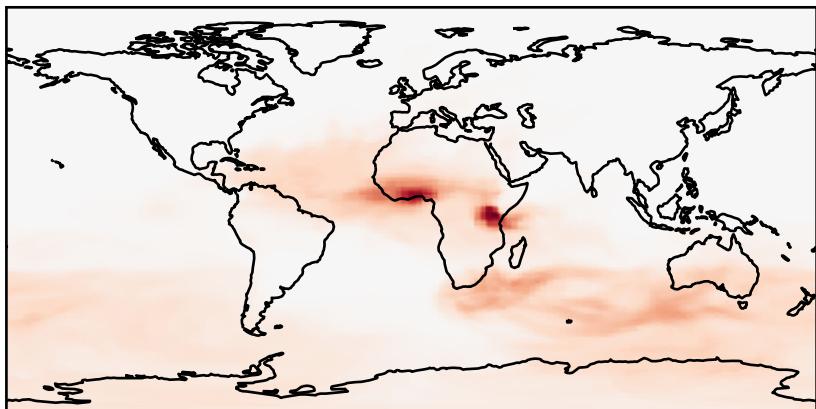
Difference (1x1.25)
Dev - Ref, Dynamic Range



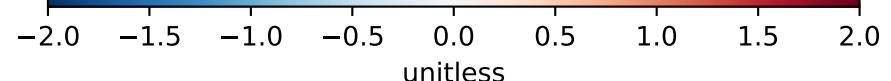
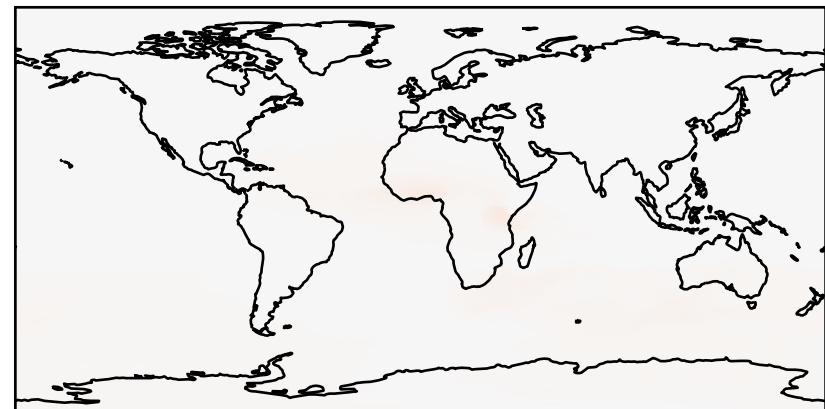
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

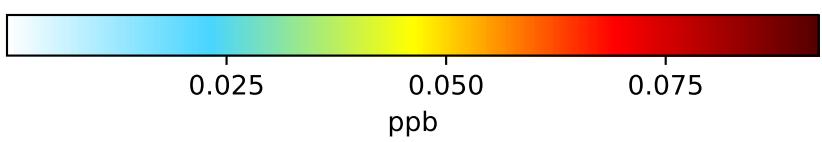
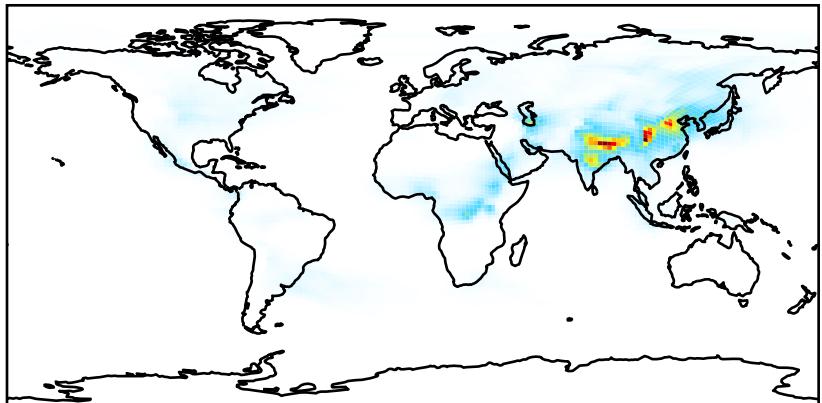


Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range

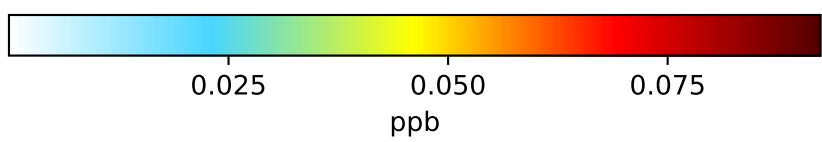
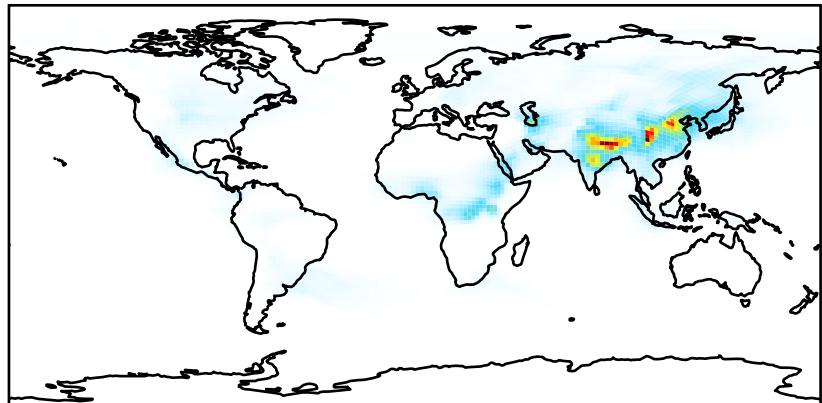


SpeciesConc_BCPO

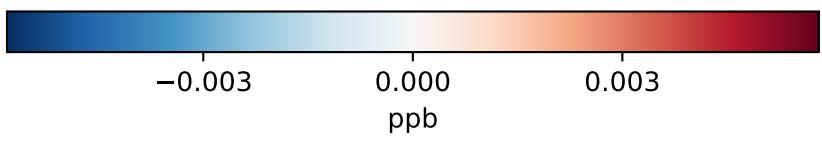
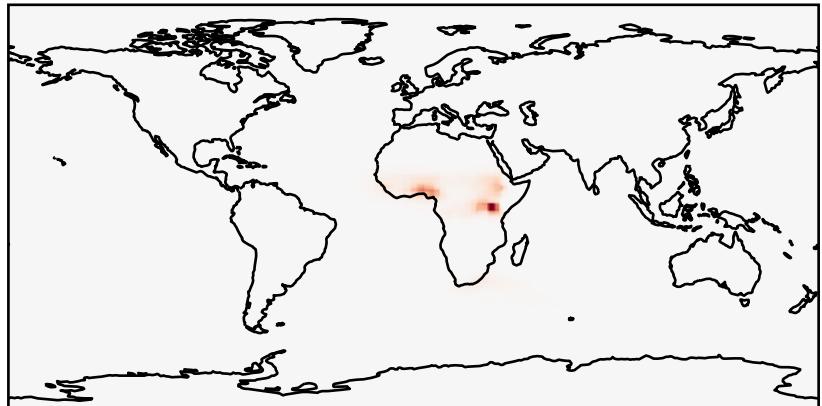
GCHP_12.5.0 (Ref)
c48



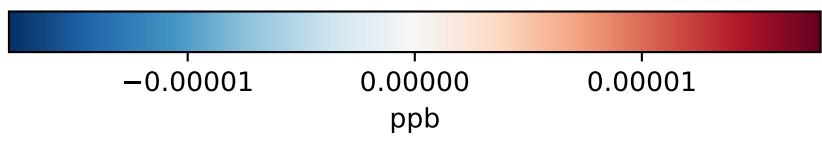
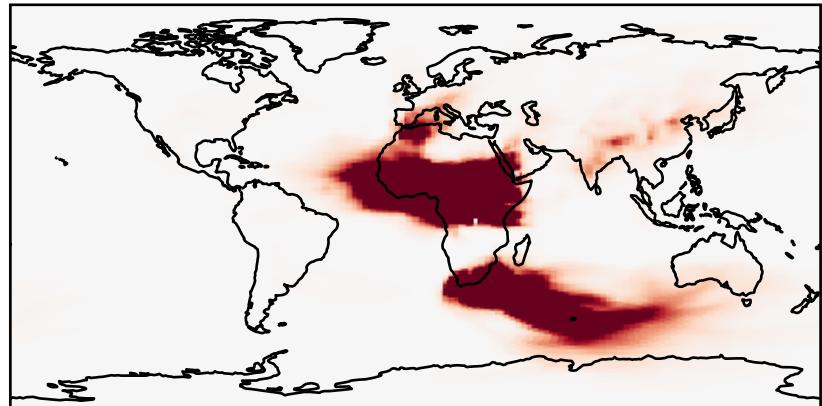
GCHP_12.6.0 (Dev)
c48



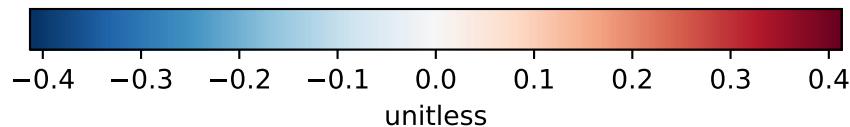
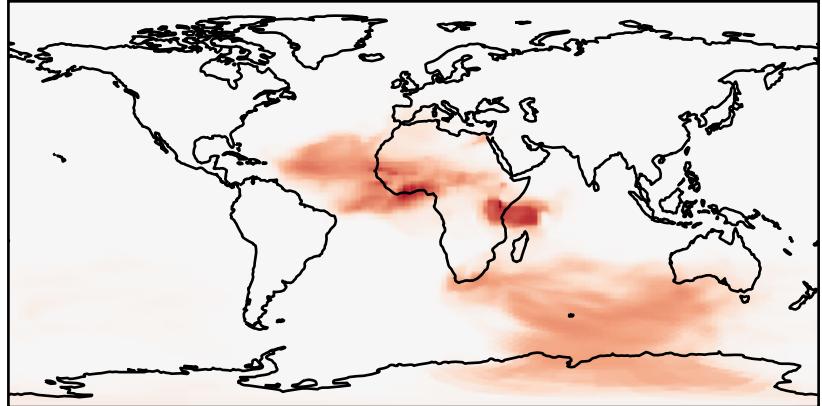
Difference (1x1.25)
Dev - Ref, Dynamic Range



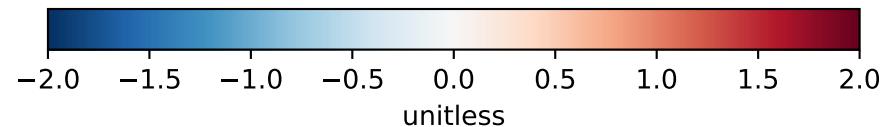
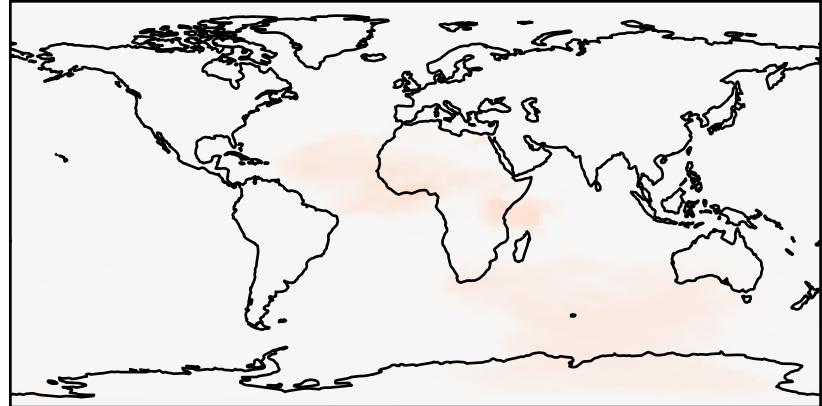
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

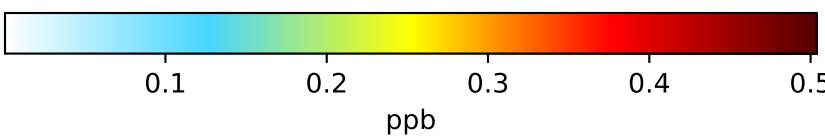
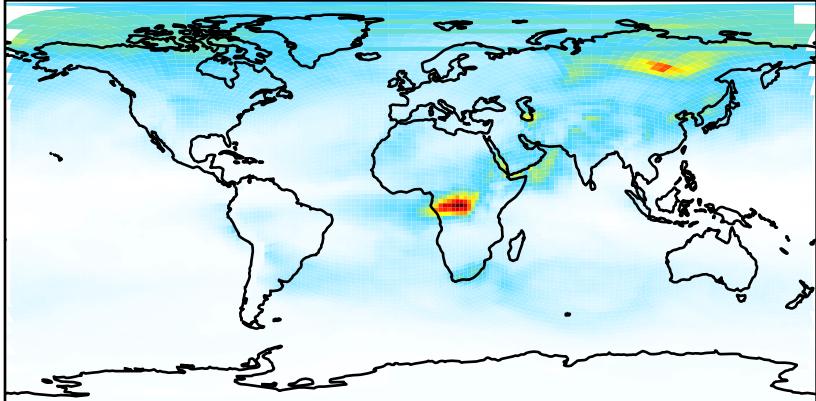


Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range

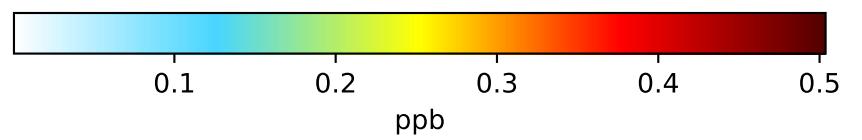
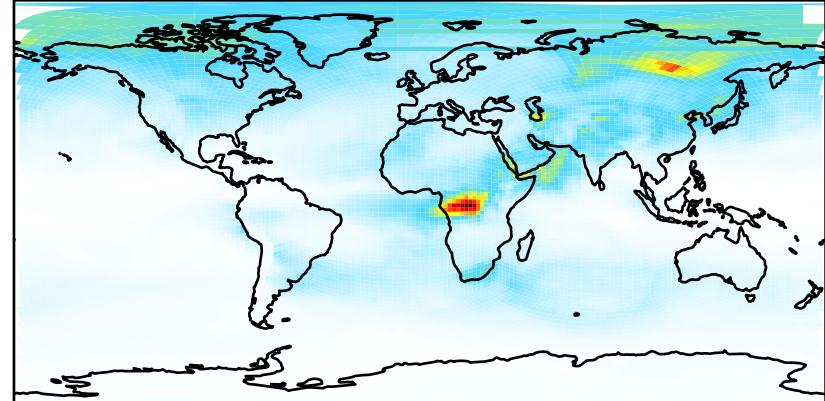


SpeciesConc_OCPI

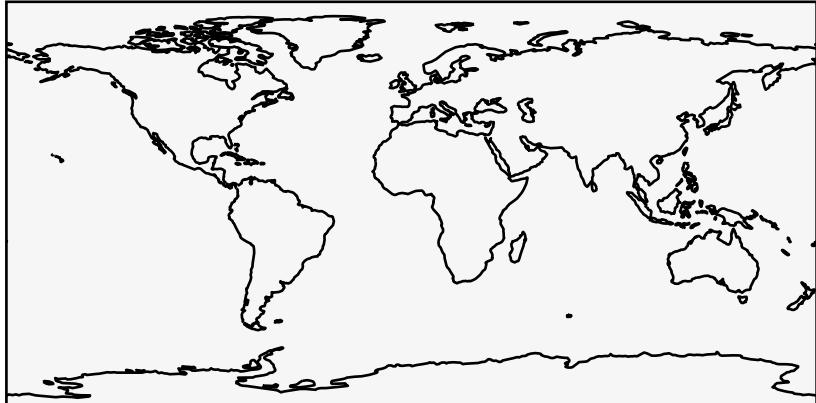
GCHP_12.5.0 (Ref)
c48



GCHP_12.6.0 (Dev)
c48

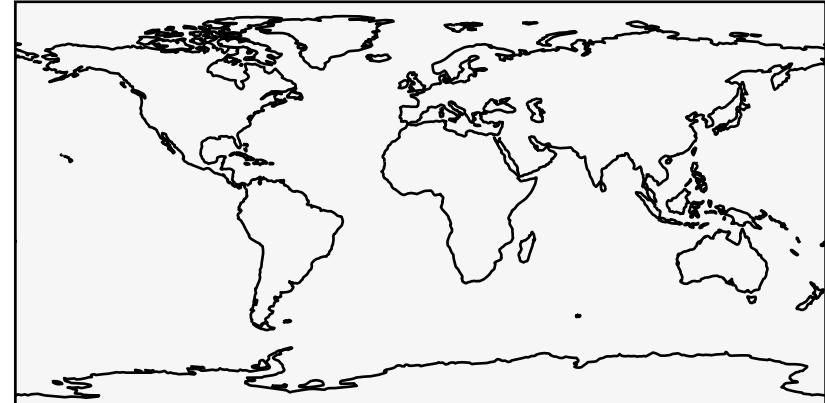


Difference (1x1.25)
Dev - Ref, Dynamic Range



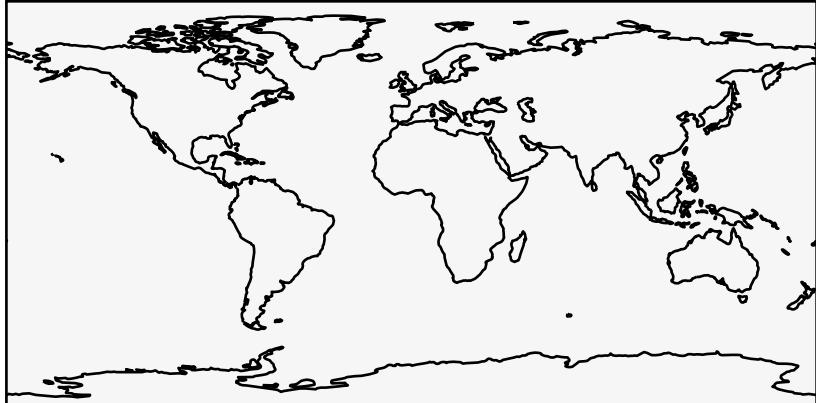
Zero throughout domain
ppb

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



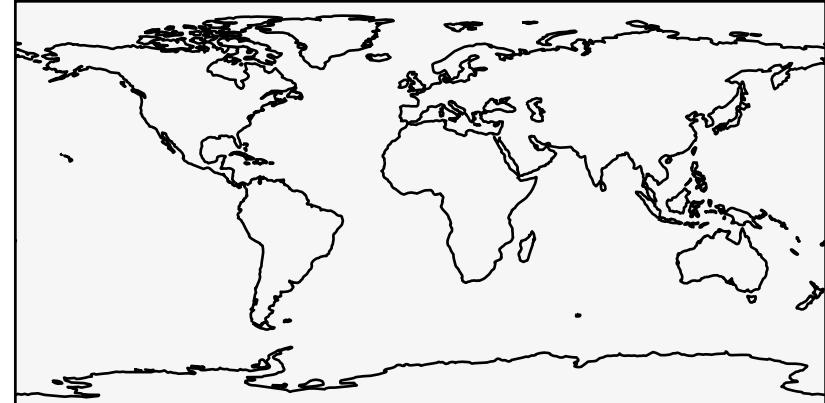
Zero throughout domain
ppb

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



Zero throughout domain
unitless

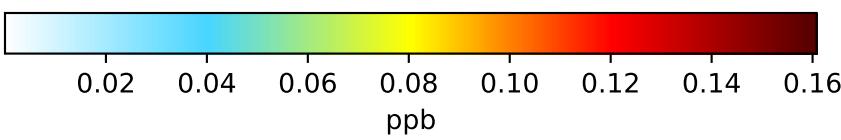
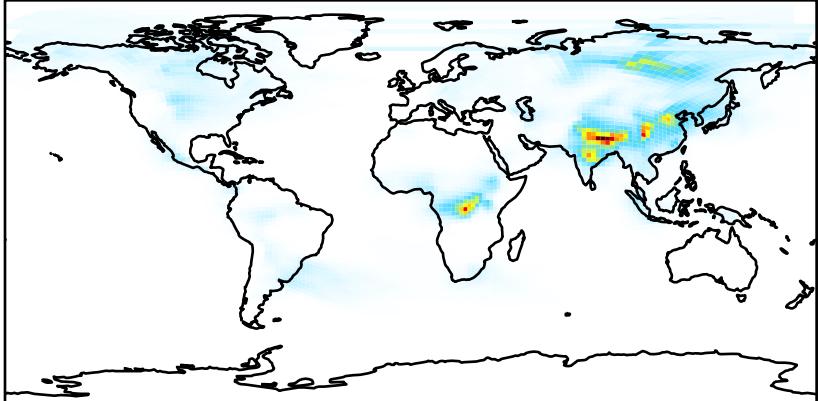
Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range



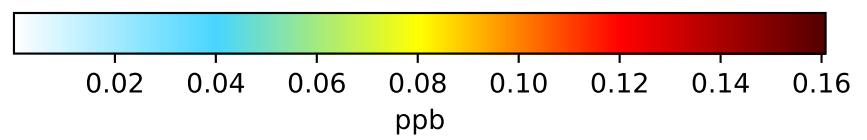
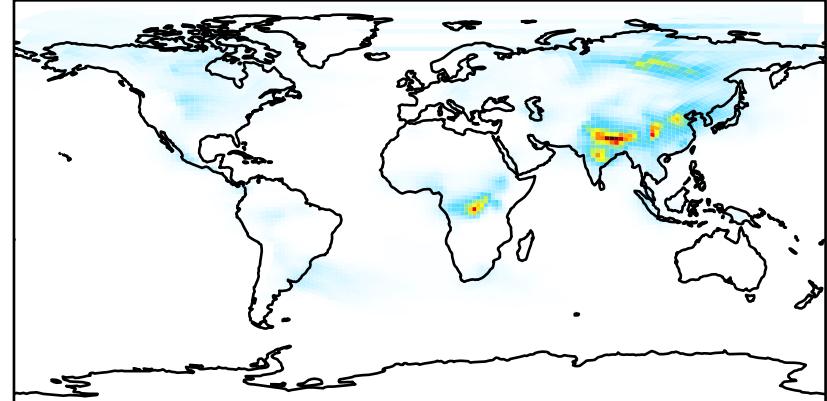
Zero throughout domain
unitless

SpeciesConc_OCPO

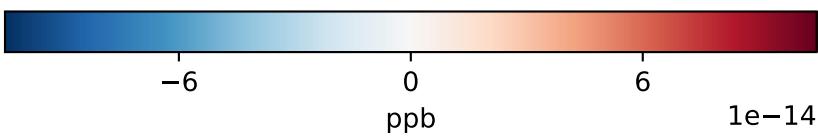
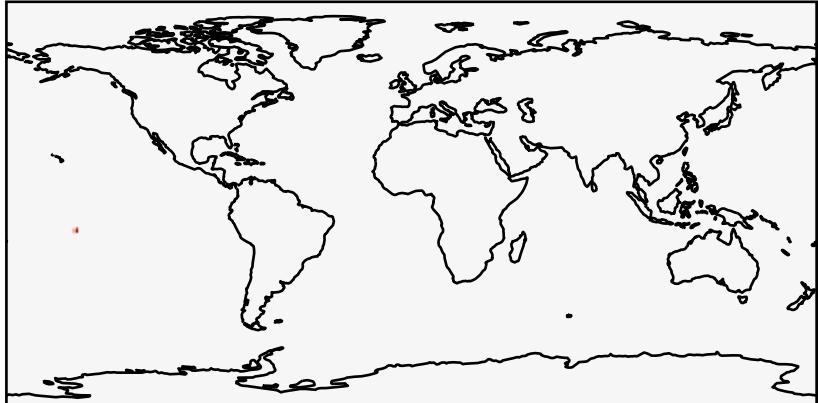
GCHP_12.5.0 (Ref)
c48



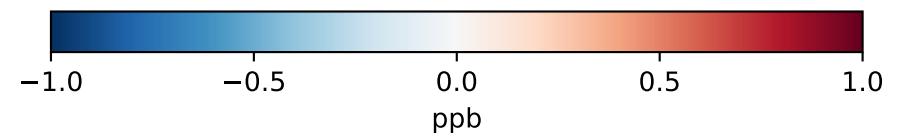
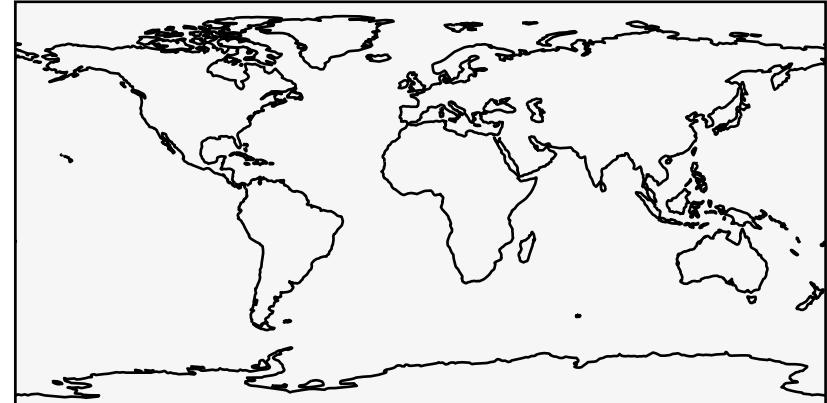
GCHP_12.6.0 (Dev)
c48



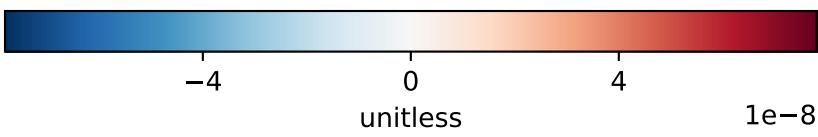
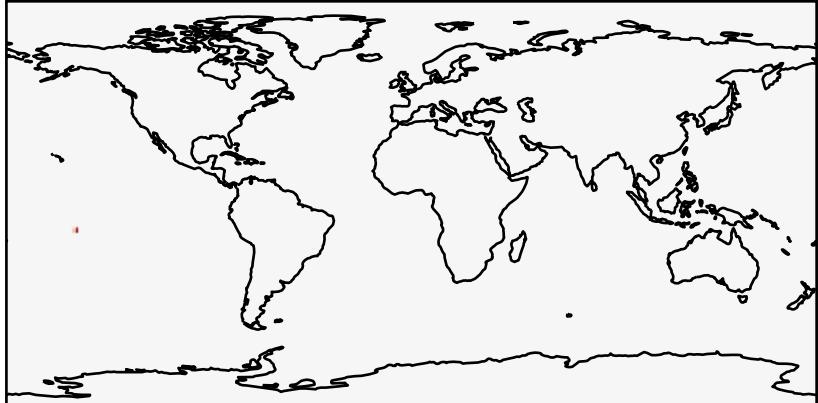
Difference (1x1.25)
Dev - Ref, Dynamic Range



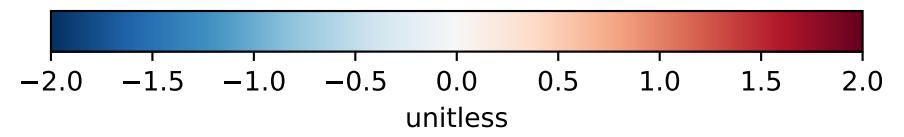
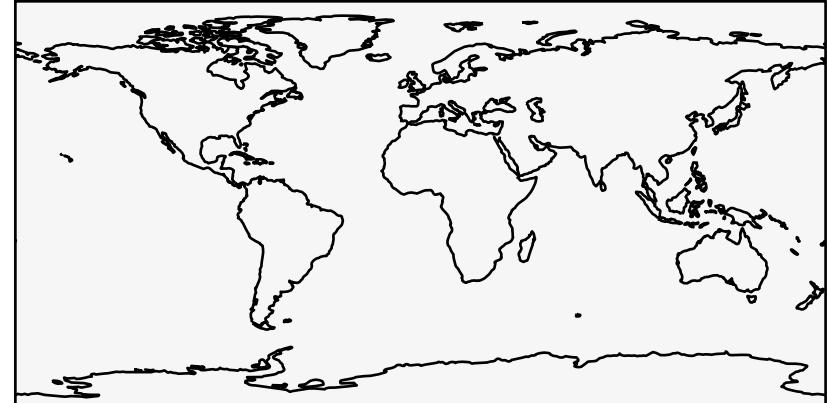
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

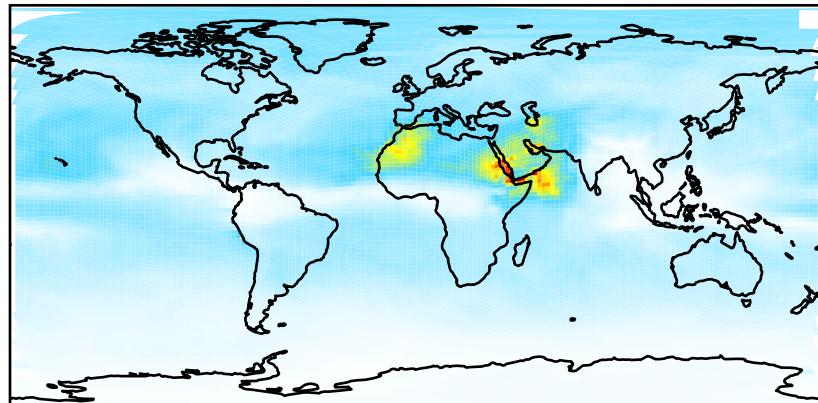


Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range

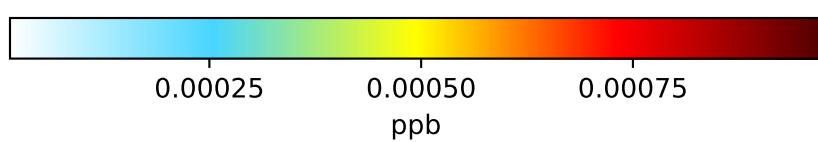
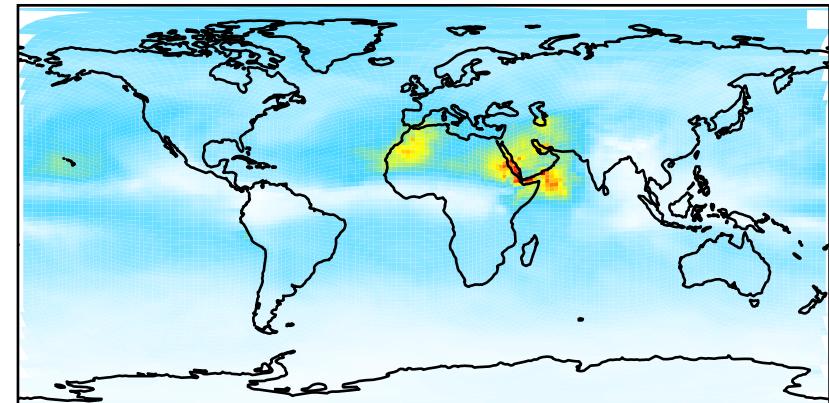


SpeciesConc_AERI

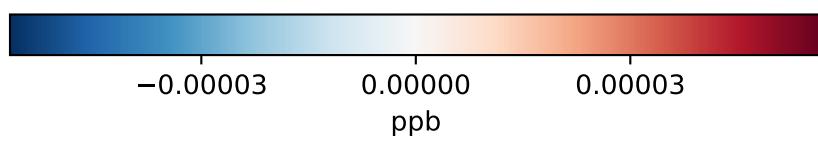
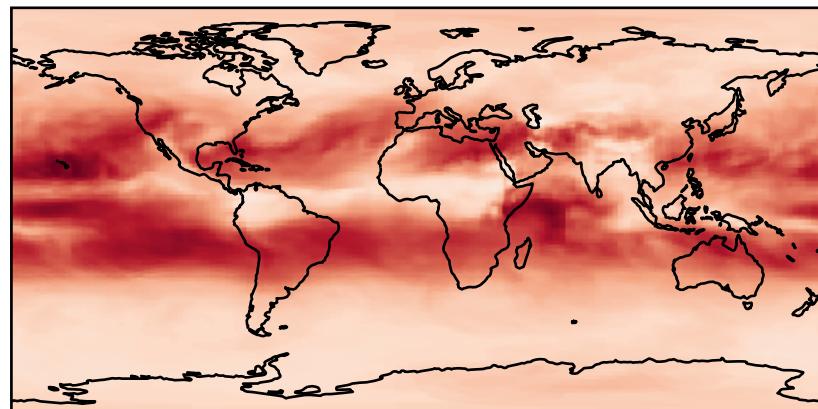
GCHP_12.5.0 (Ref)
c48



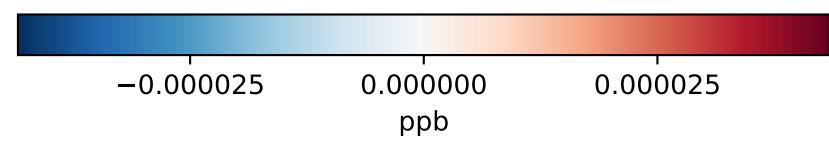
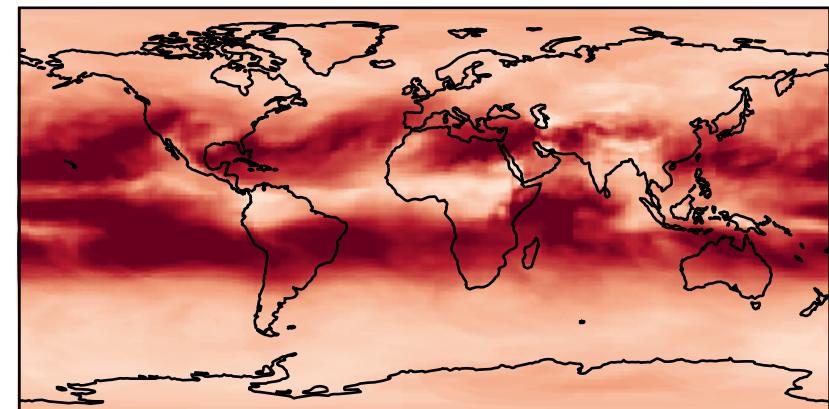
GCHP_12.6.0 (Dev)
c48



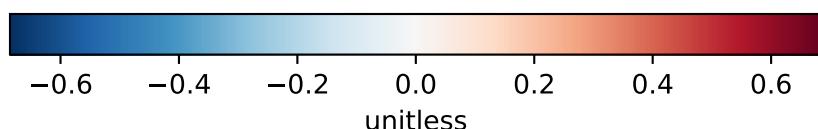
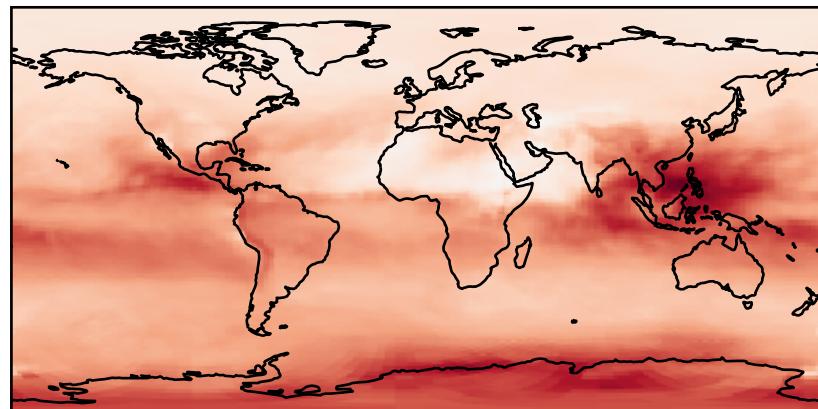
Difference (1x1.25)
Dev - Ref, Dynamic Range



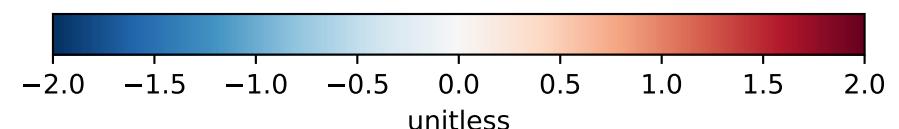
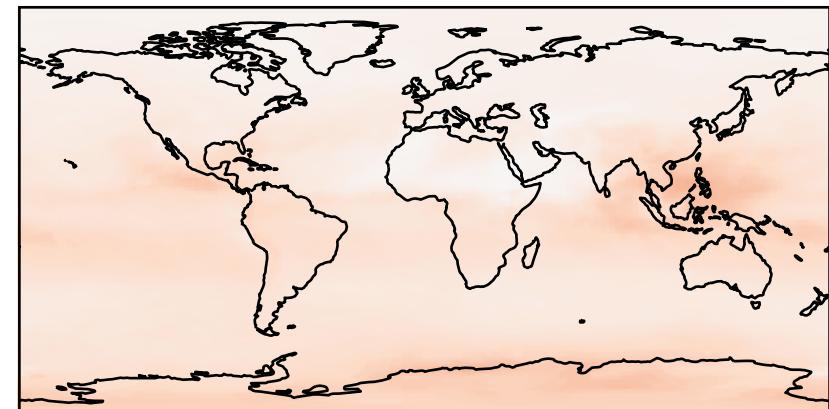
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

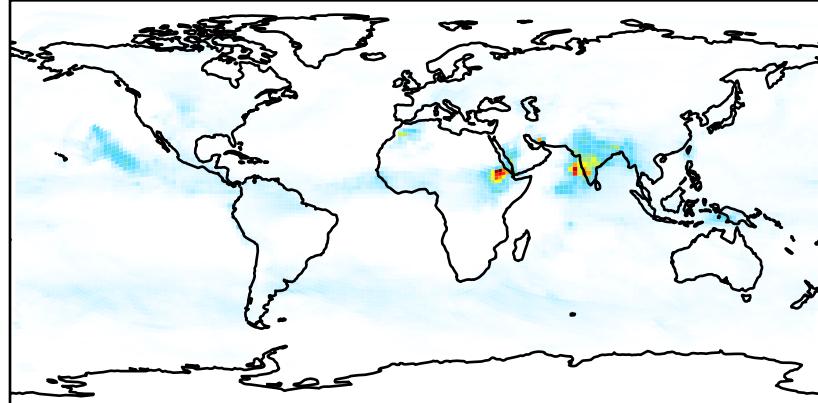


Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range



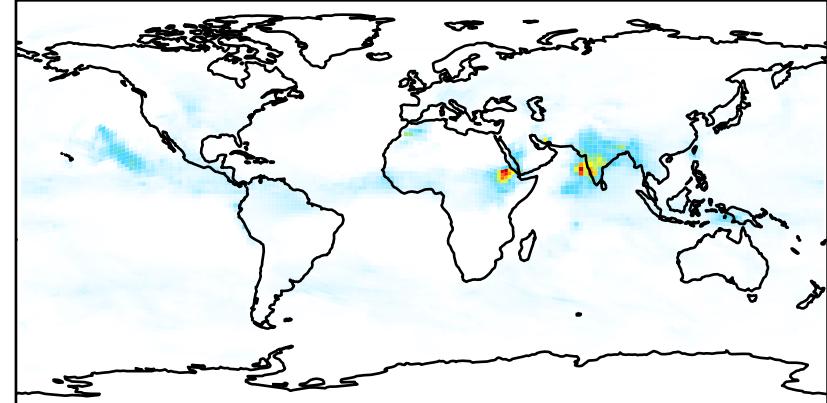
SpeciesConc_BrSALA

GCHP_12.5.0 (Ref)
c48



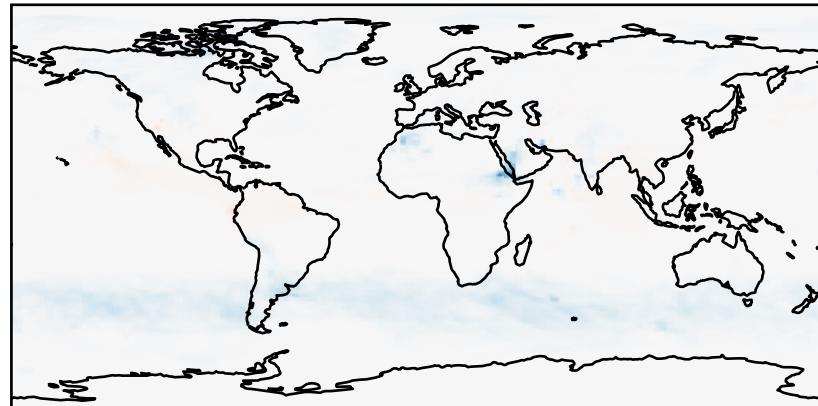
0.000008 0.000016 0.000024
ppb

GCHP_12.6.0 (Dev)
c48



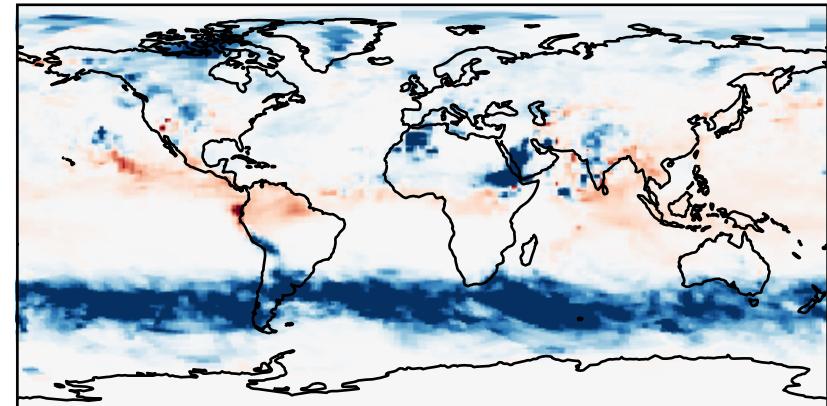
0.000008 0.000016 0.000024
ppb

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



-0.000003 0.000000 0.000003
ppb

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



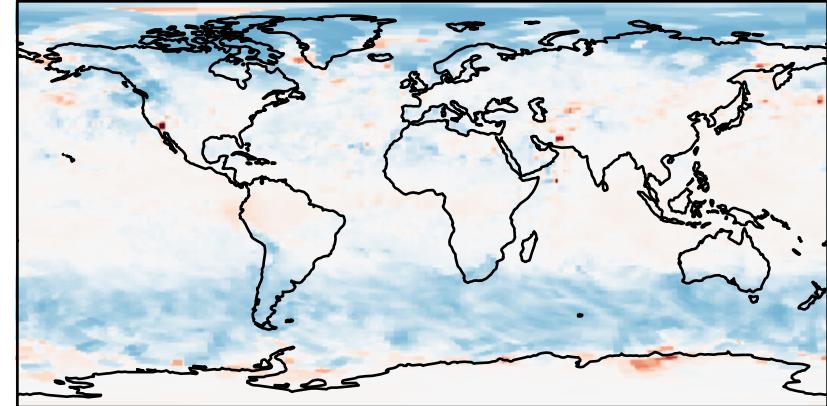
-2.5 0.0 2.5
ppb

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



-6 -4 -2 0 2 4 6
unitless

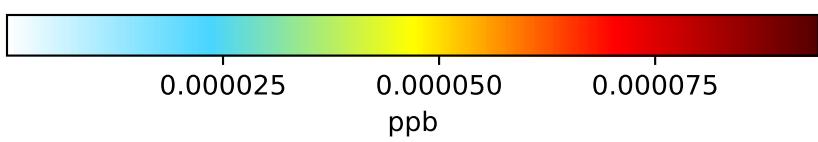
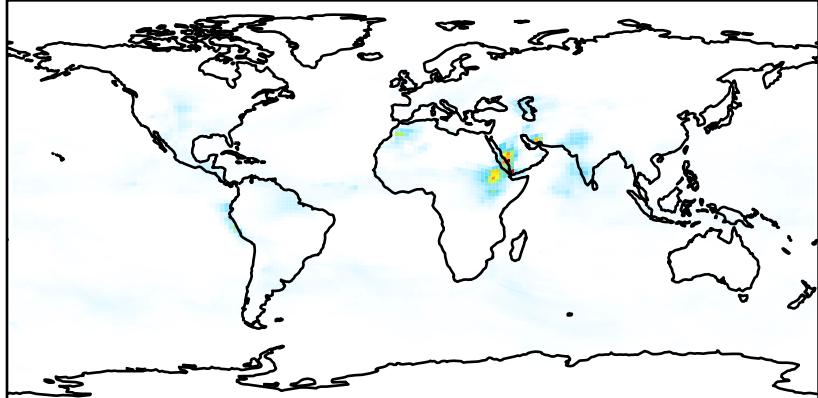
Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range



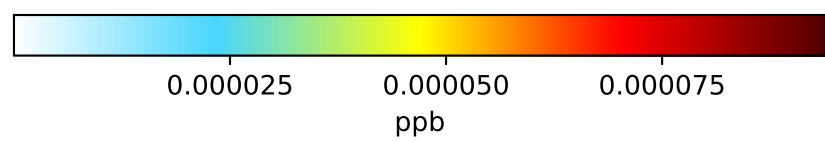
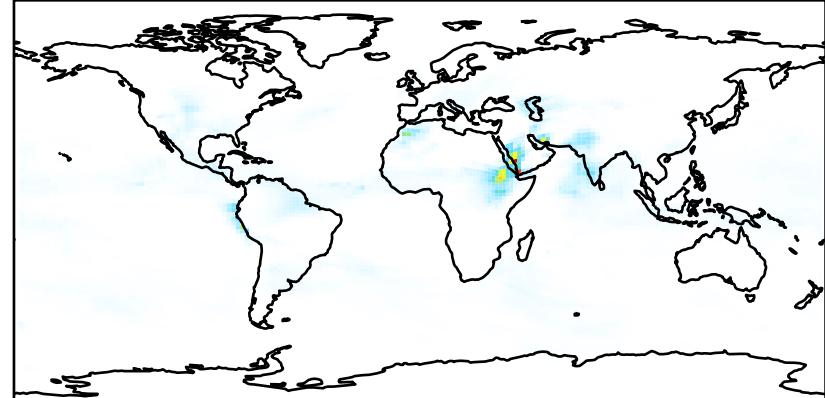
-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0 1.5 2.0
unitless

SpeciesConc_BrSALC

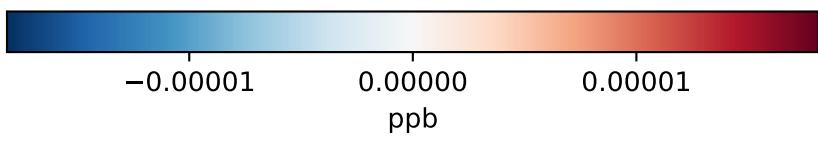
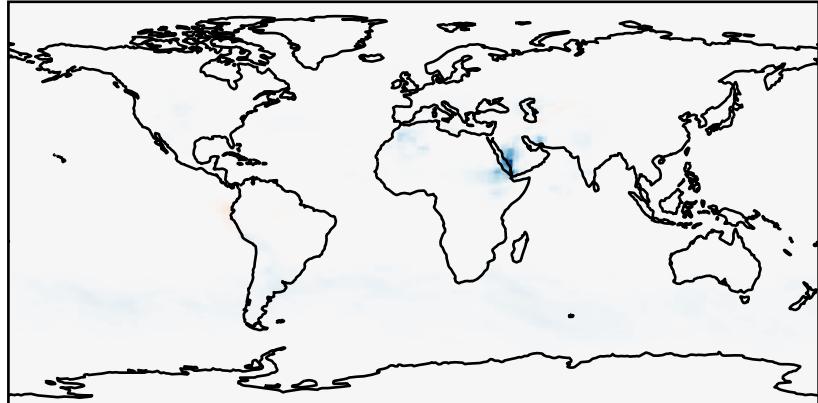
GCHP_12.5.0 (Ref)
c48



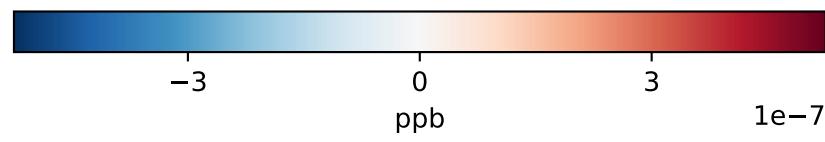
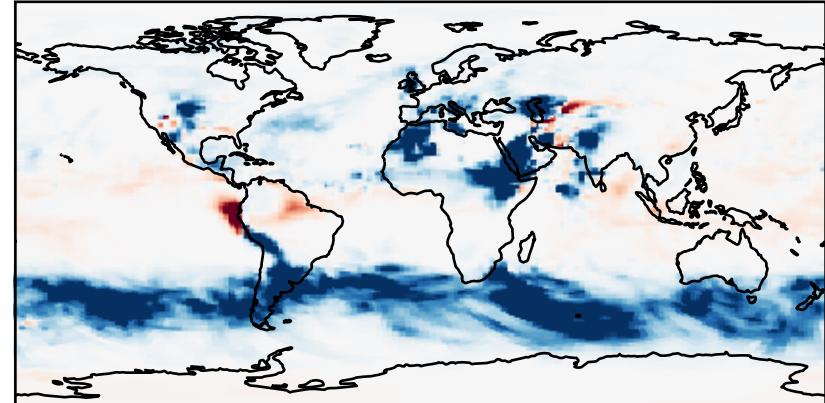
GCHP_12.6.0 (Dev)
c48



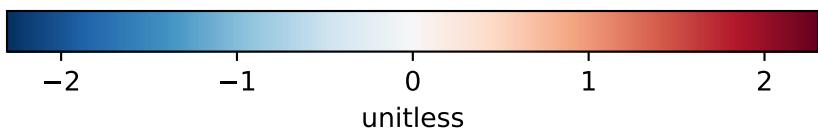
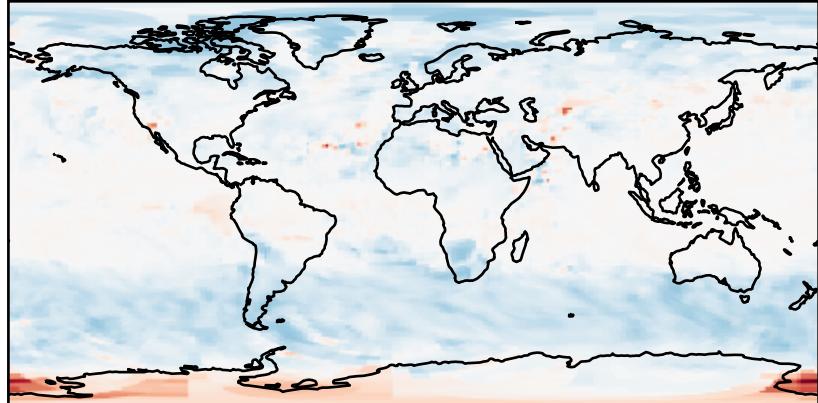
Difference (1x1.25)
Dev - Ref, Dynamic Range



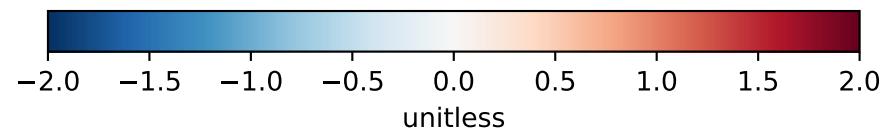
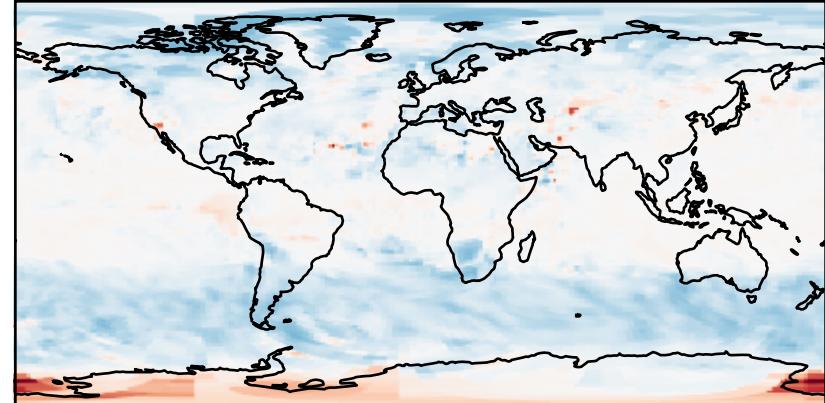
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

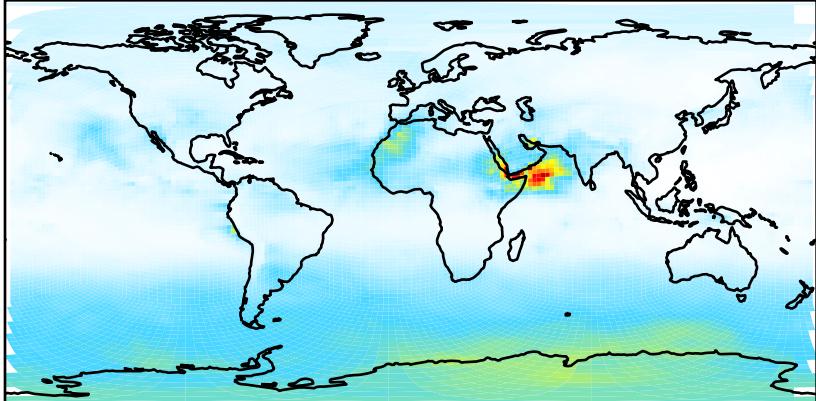


Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range



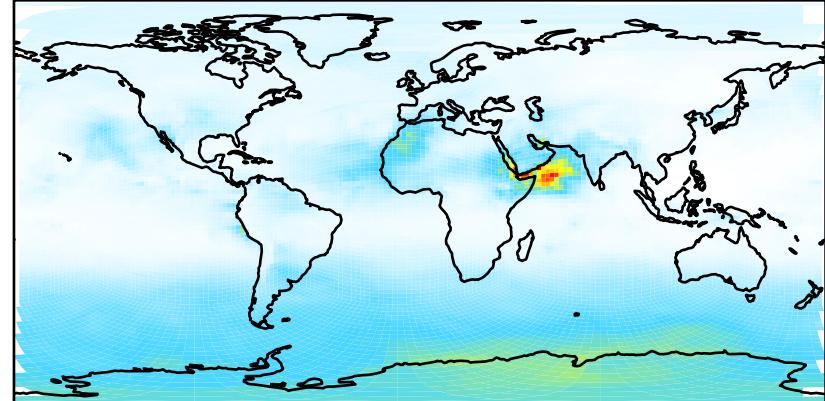
SpeciesConc_ISALA

GCHP_12.5.0 (Ref)
c48



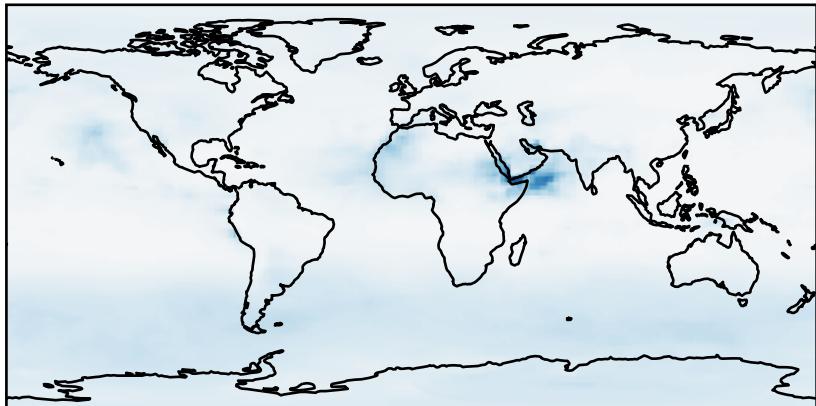
0.000015 0.000030 0.000045
ppb

GCHP_12.6.0 (Dev)
c48



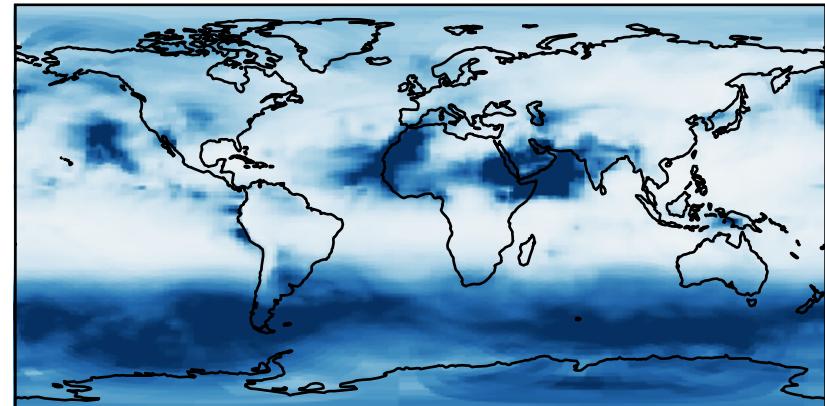
0.000015 0.000030 0.000045
ppb

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



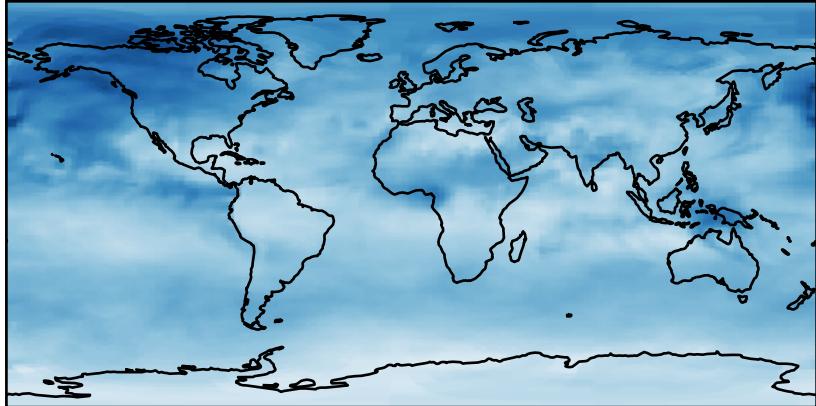
-0.000004 0.000000 0.000004
ppb

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



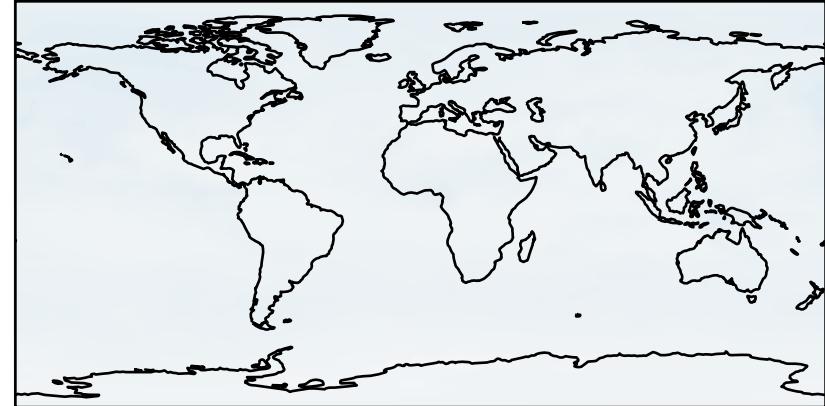
-8 0 8 1e-7
ppb

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



-0.2 -0.1 0.0 0.1 0.2
unitless

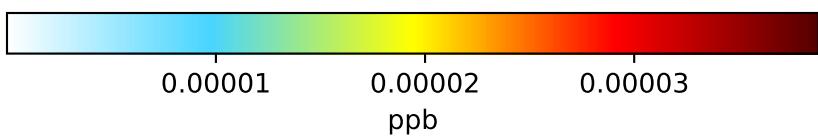
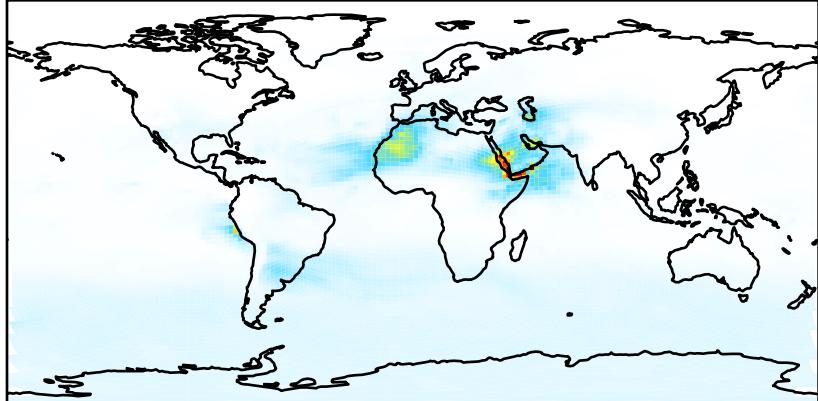
Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range



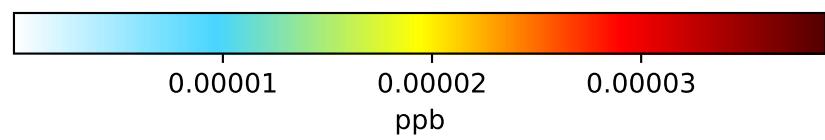
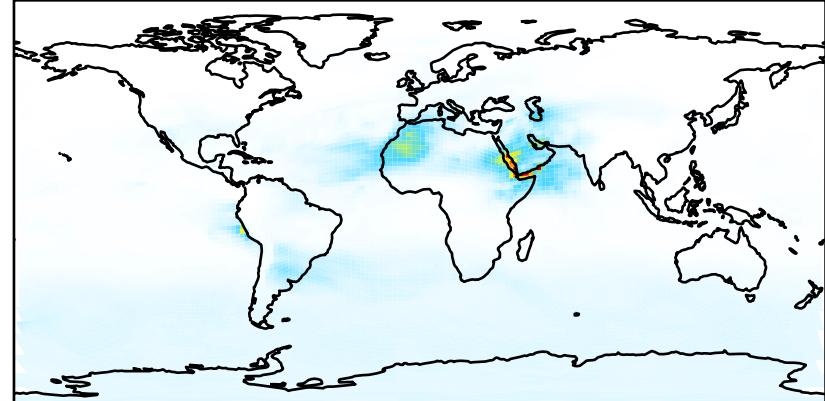
-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0 1.5 2.0
unitless

SpeciesConc_ISALC

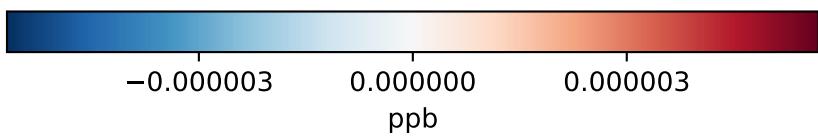
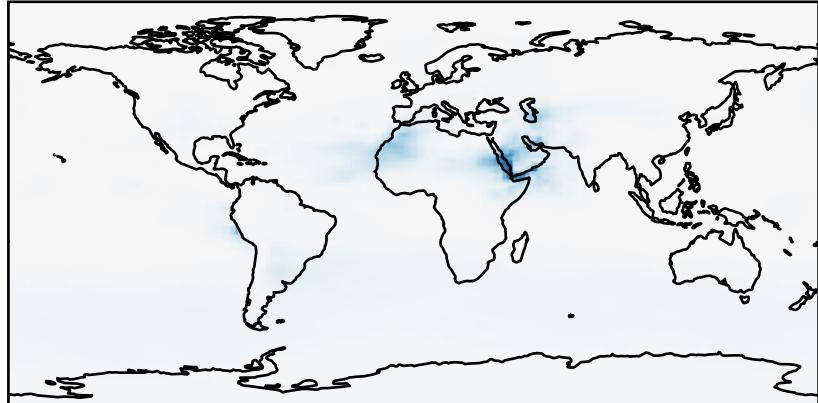
GCHP_12.5.0 (Ref)
c48



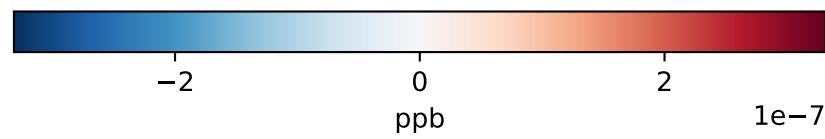
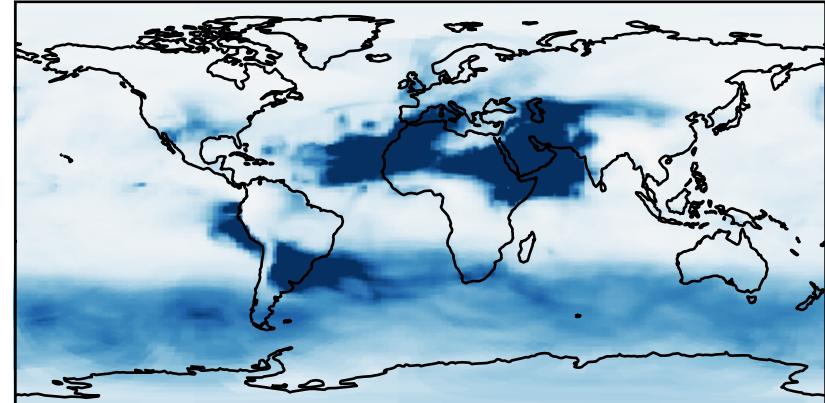
GCHP_12.6.0 (Dev)
c48



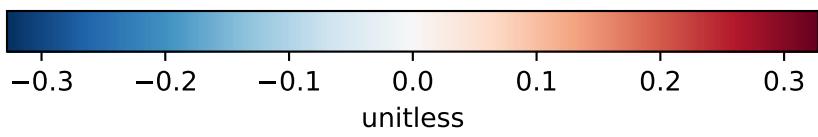
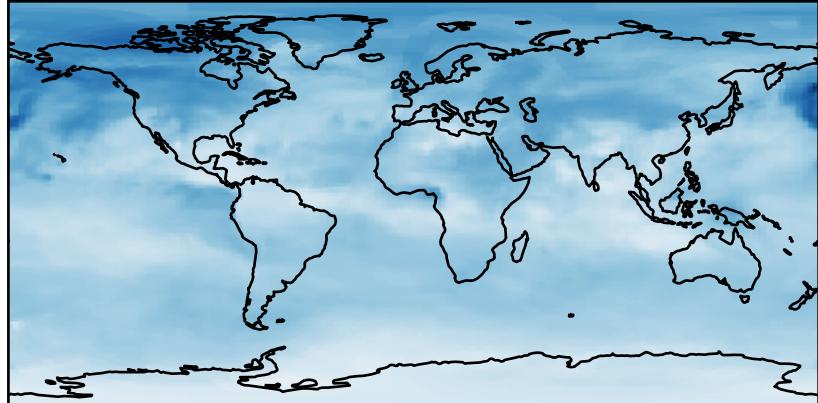
Difference (1x1.25)
Dev - Ref, Dynamic Range



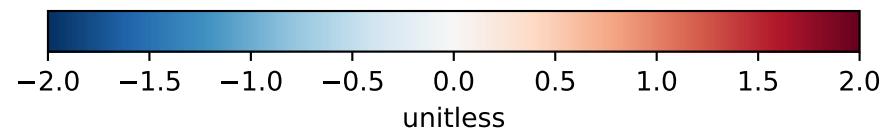
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



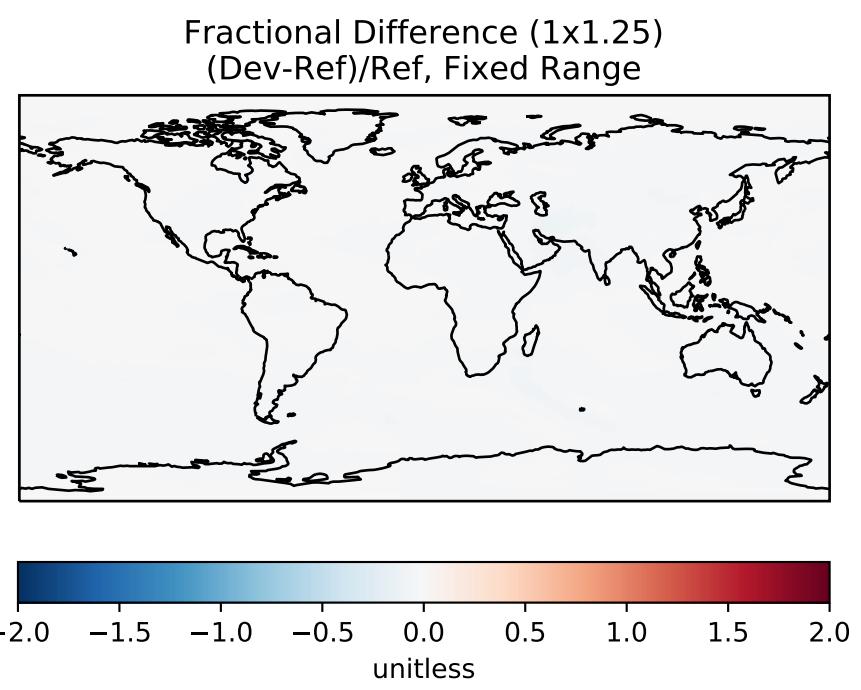
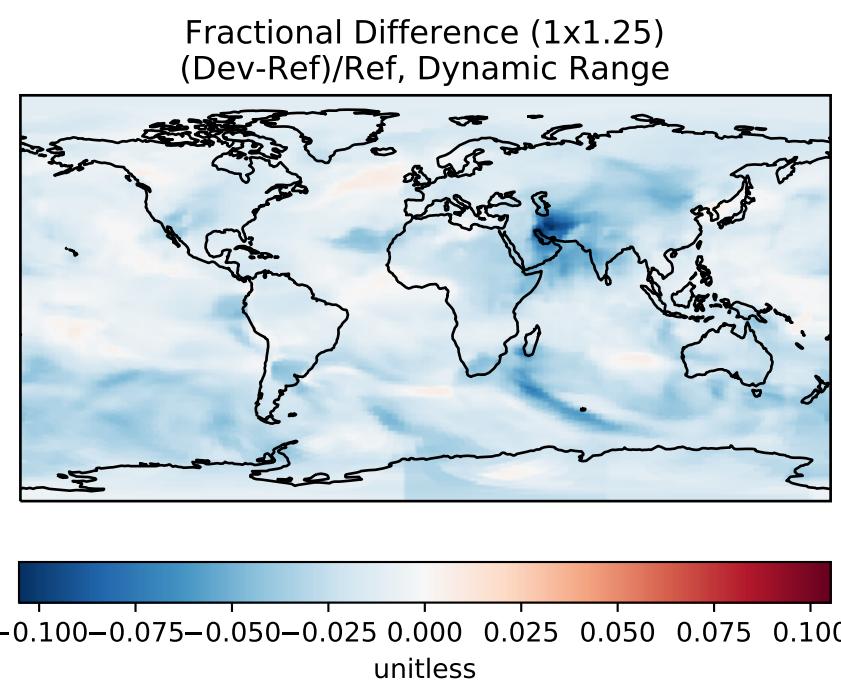
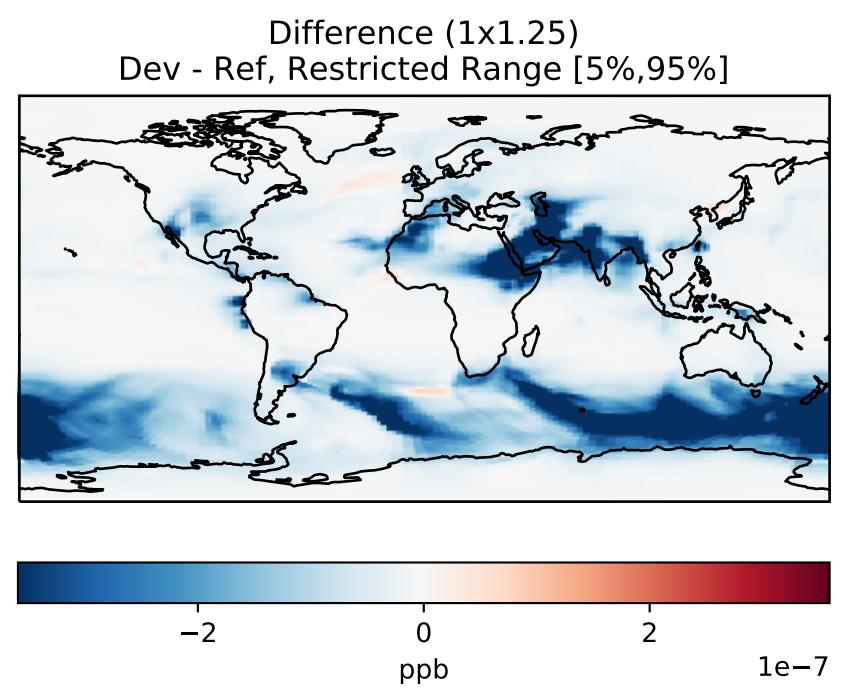
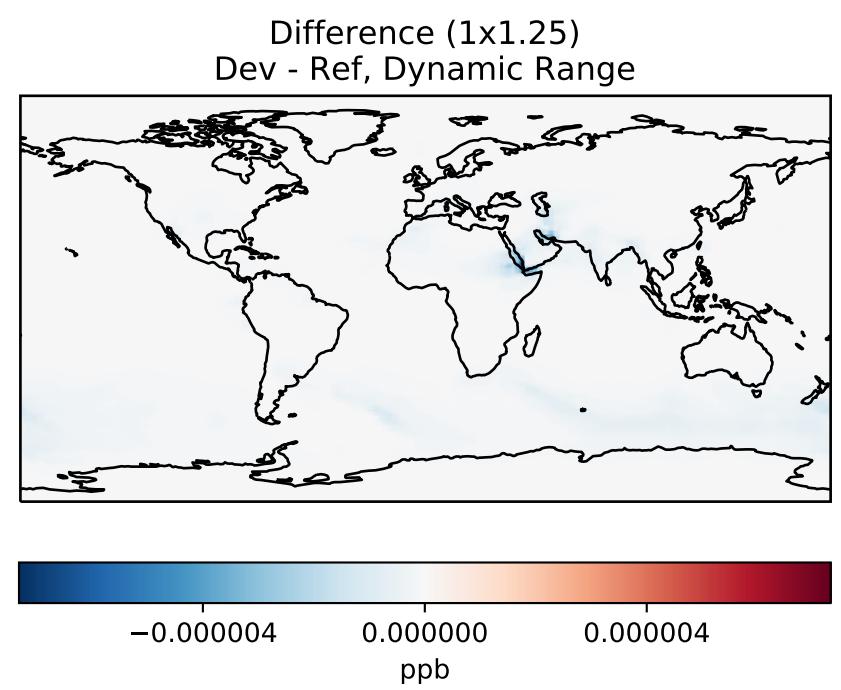
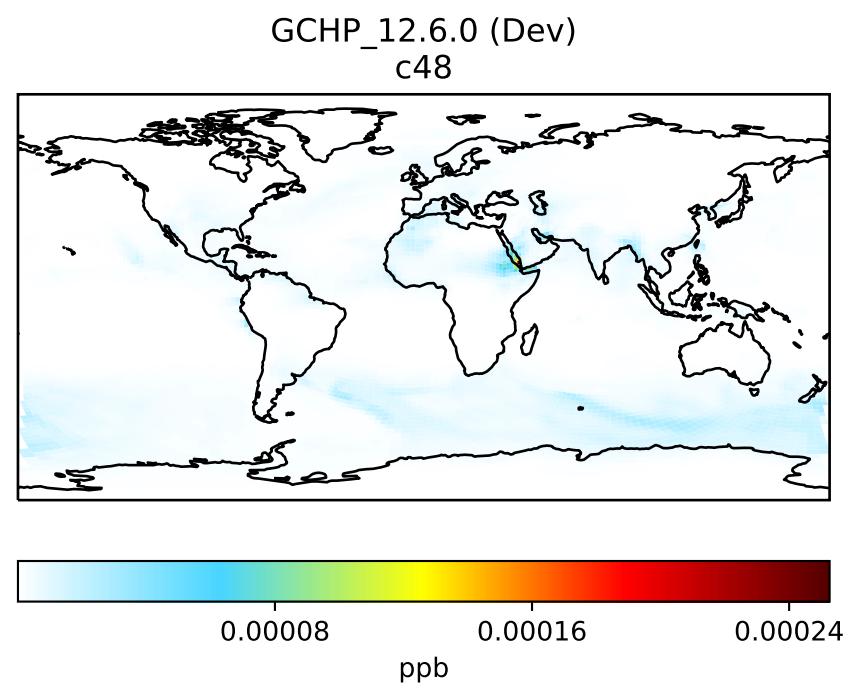
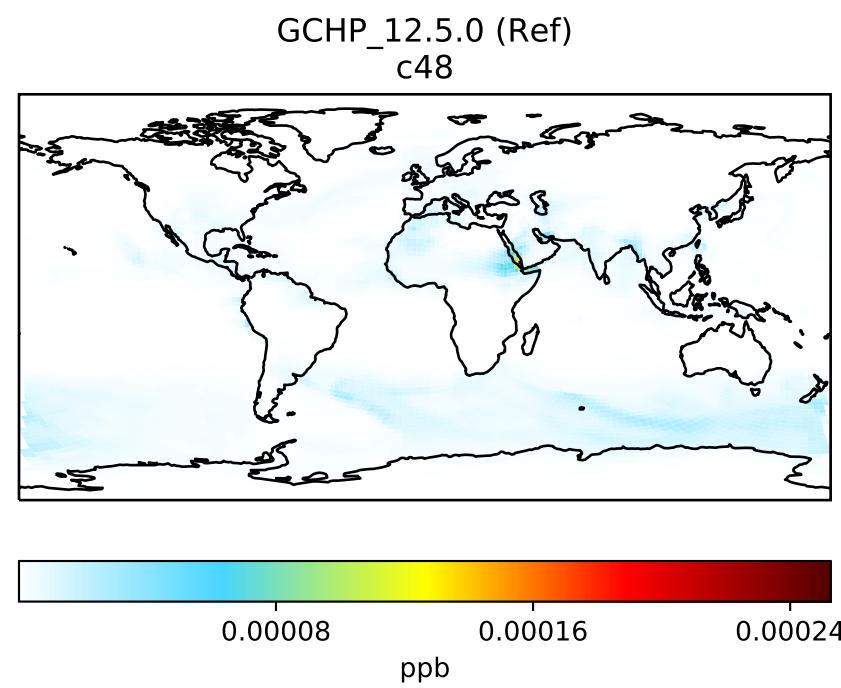
Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Dynamic Range



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

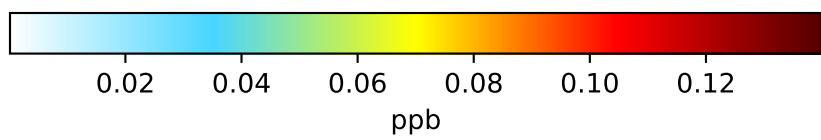
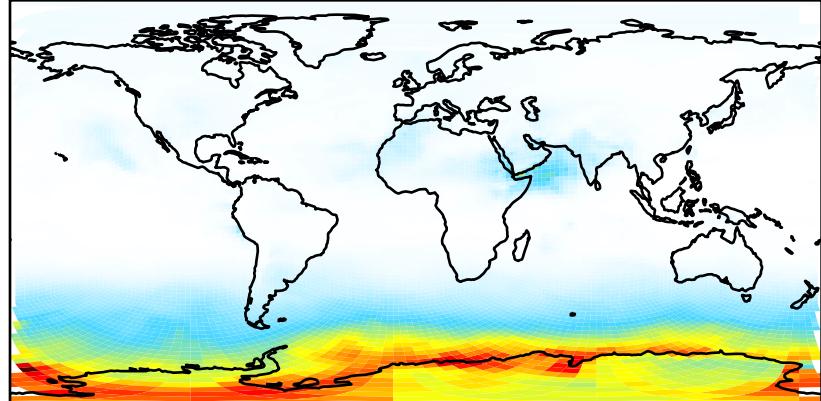


SpeciesConc_NITs

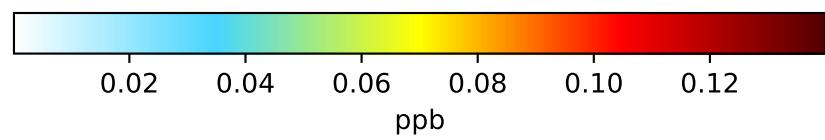
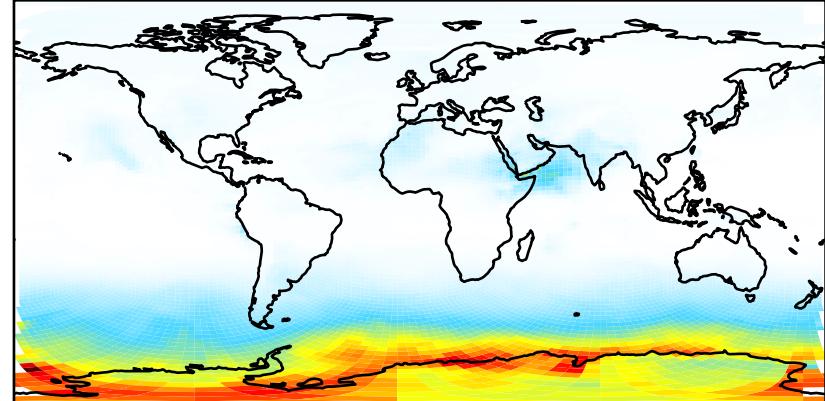


SpeciesConc_SALA

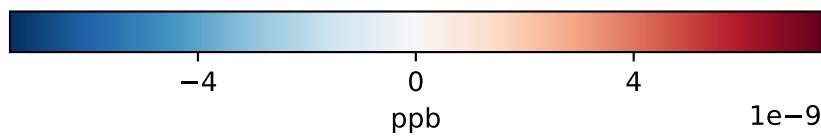
GCHP_12.5.0 (Ref)
c48



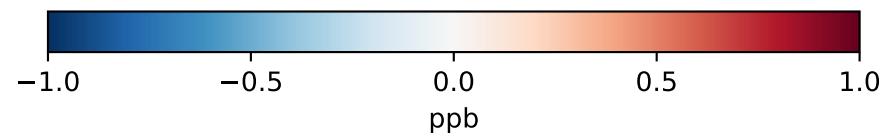
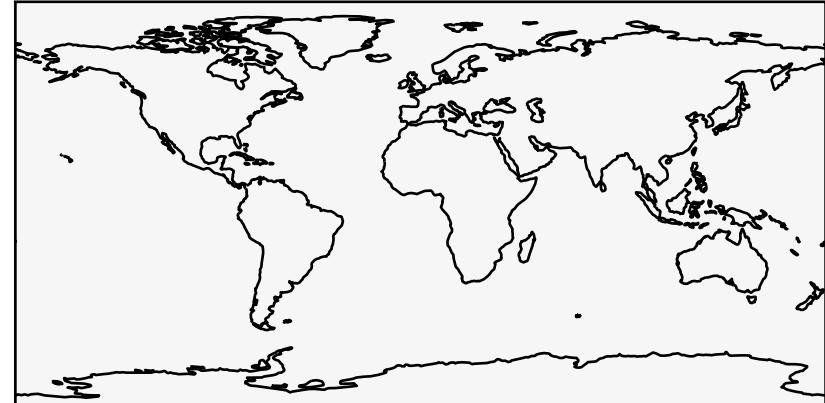
GCHP_12.6.0 (Dev)
c48



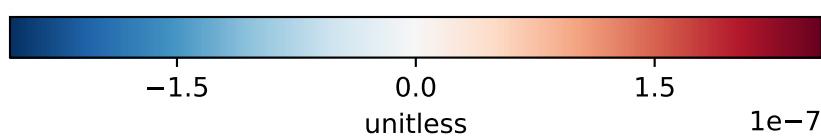
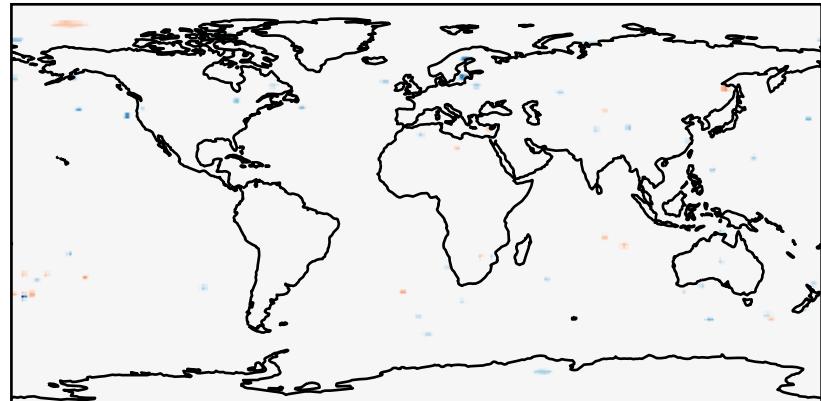
Difference (1x1.25)
Dev - Ref, Dynamic Range



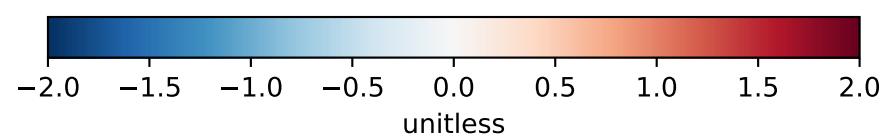
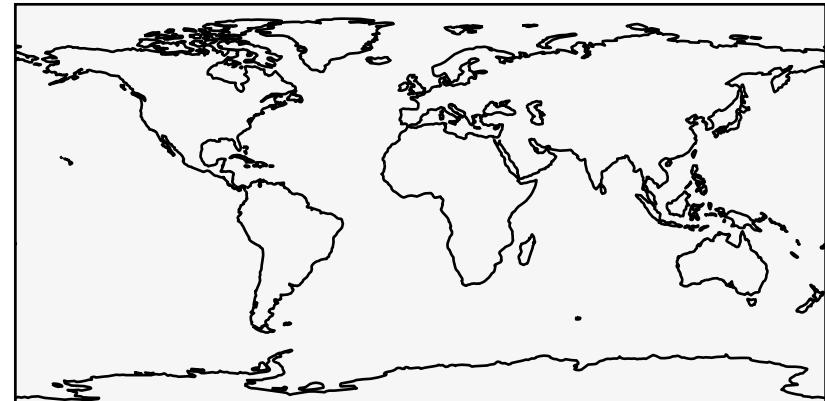
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

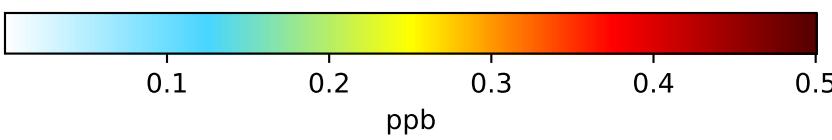
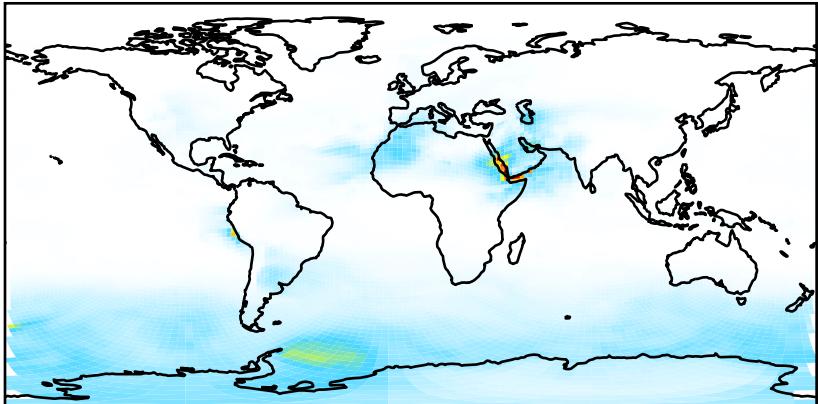


Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range

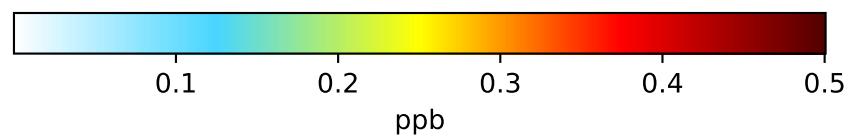
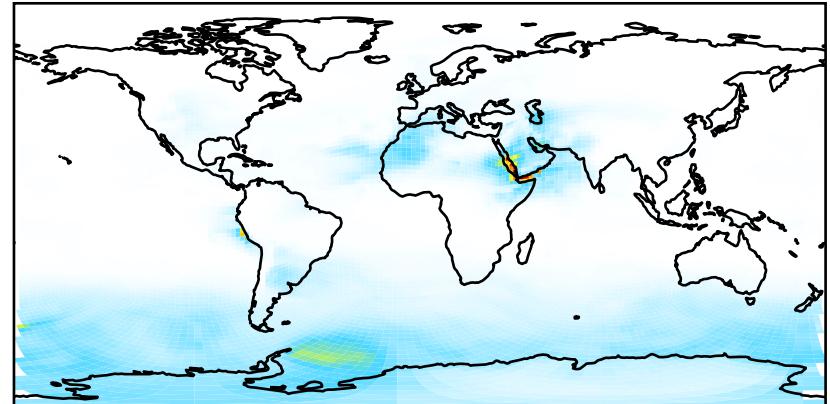


SpeciesConc_SALC

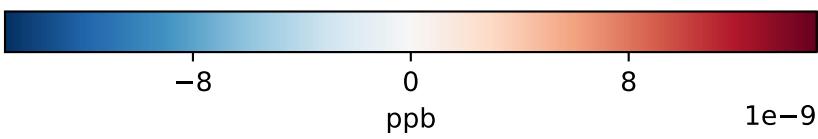
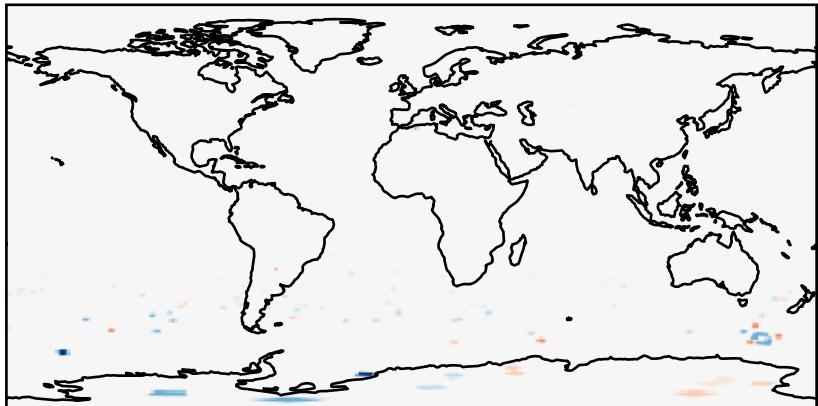
GCHP_12.5.0 (Ref)
c48



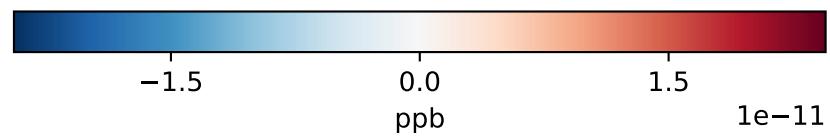
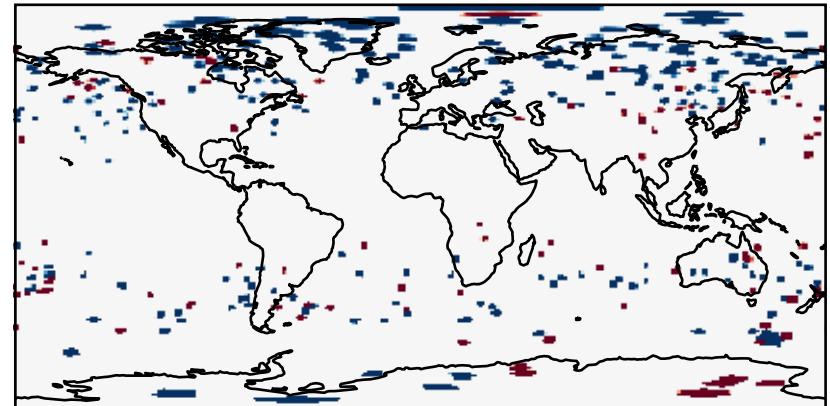
GCHP_12.6.0 (Dev)
c48



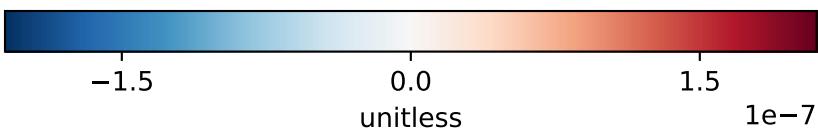
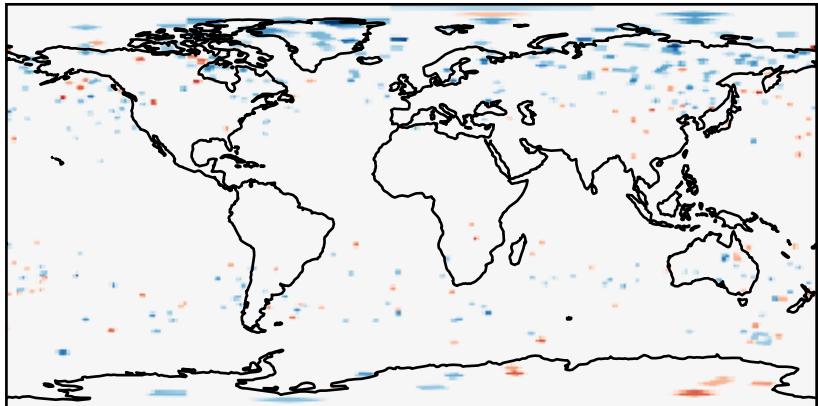
Difference (1x1.25)
Dev - Ref, Dynamic Range



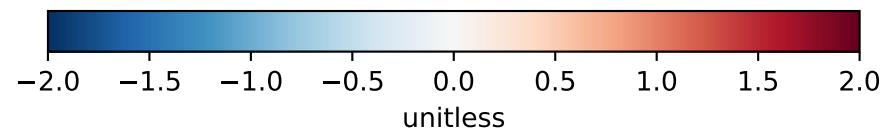
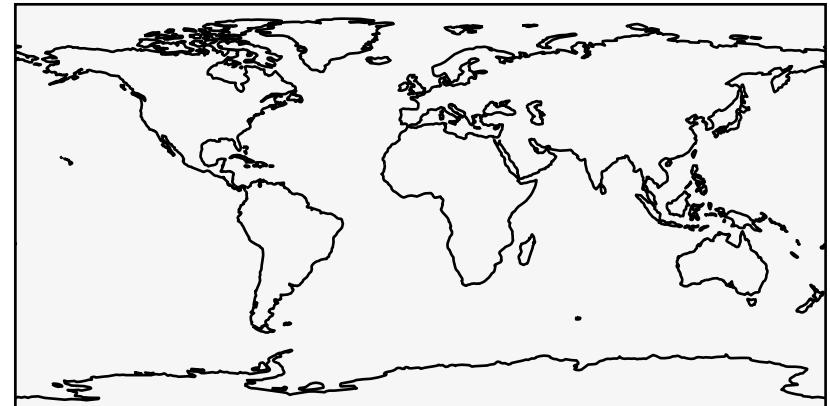
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

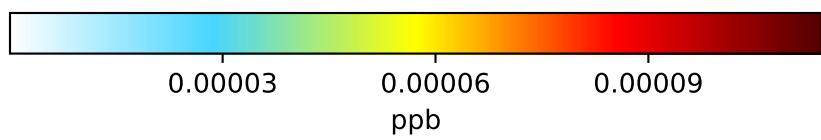
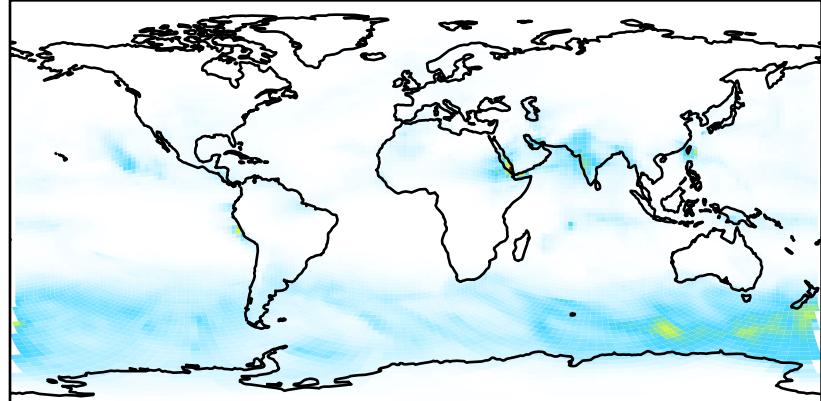


Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range

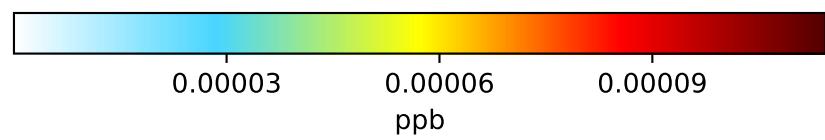
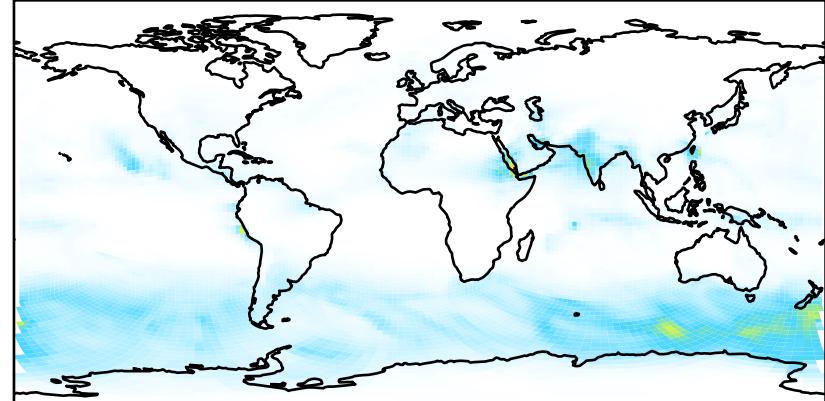


SpeciesConc_SO4s

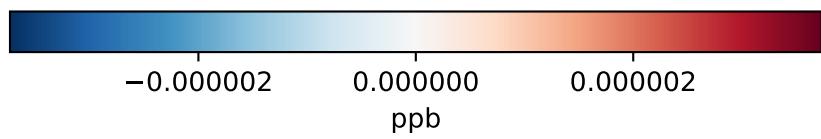
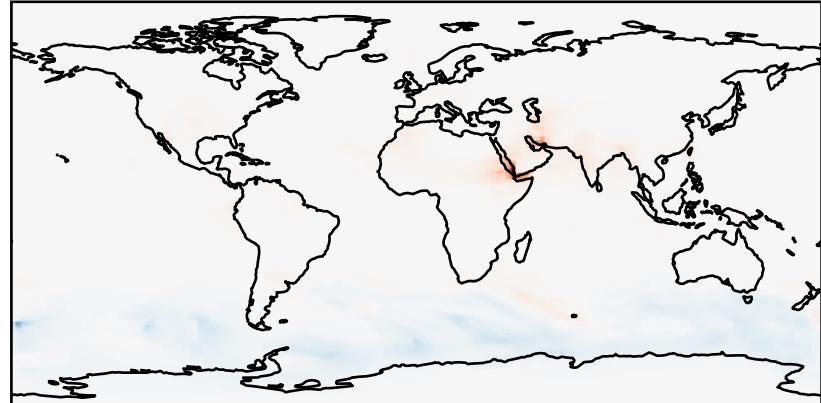
GCHP_12.5.0 (Ref)
c48



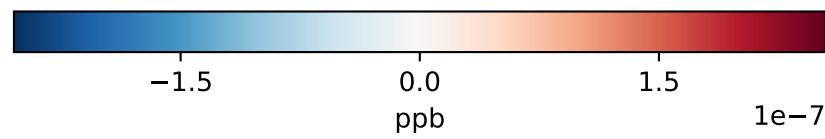
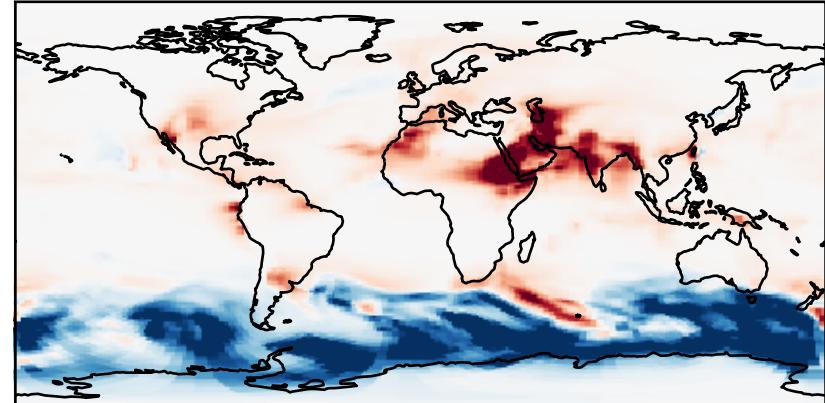
GCHP_12.6.0 (Dev)
c48



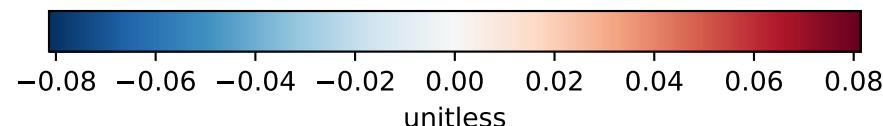
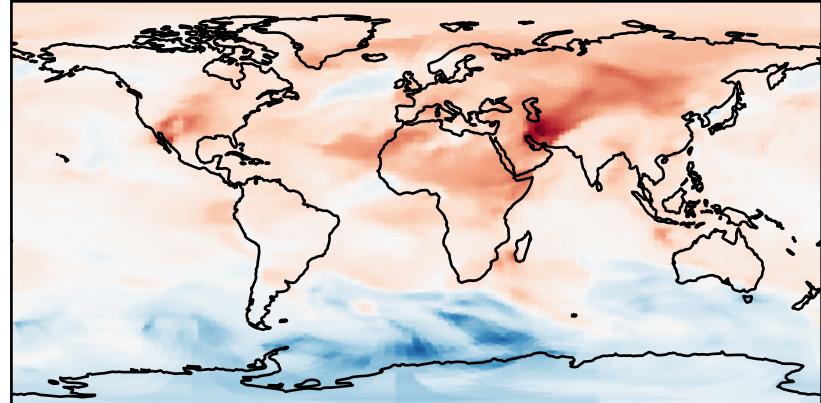
Difference (1x1.25)
Dev - Ref, Dynamic Range



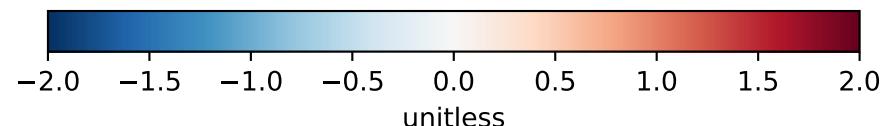
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

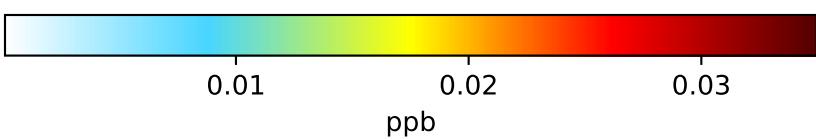
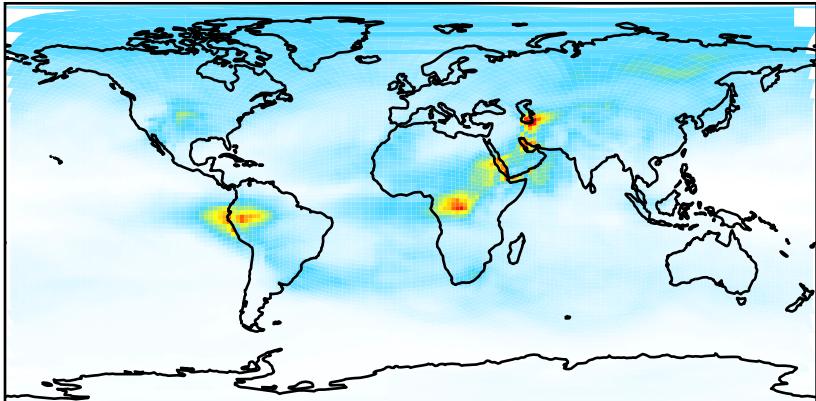


Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range

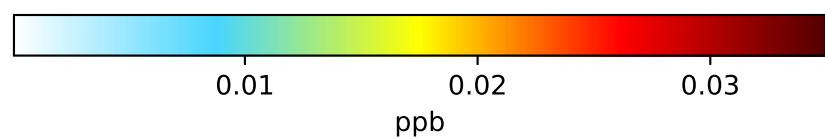
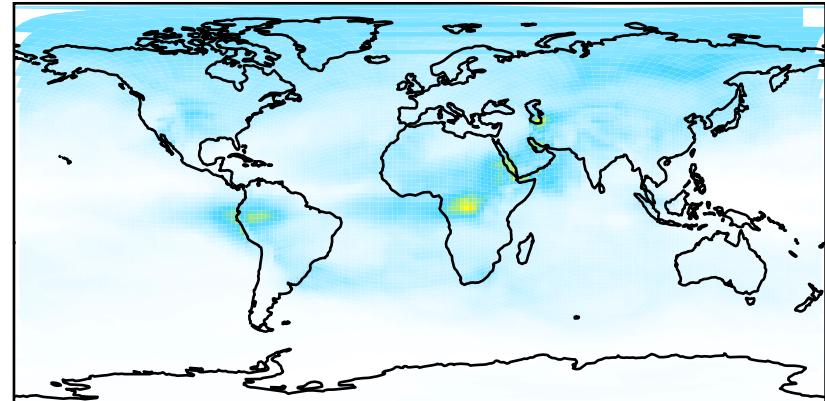


SpeciesConc_Complex_SOA

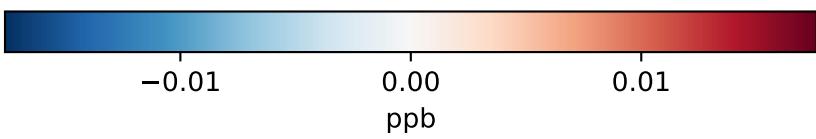
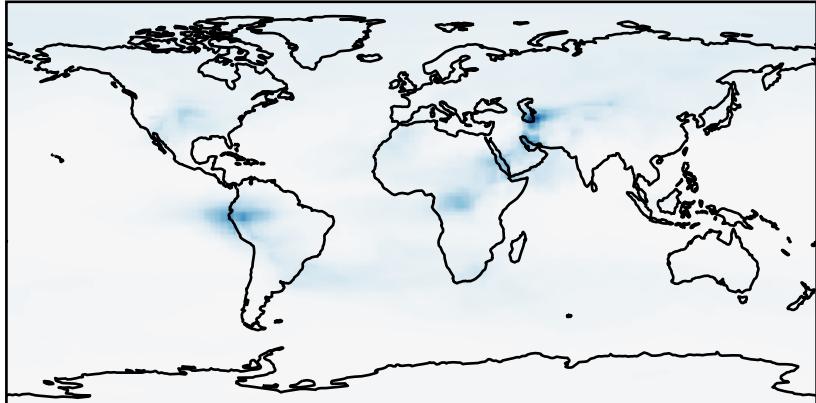
GCHP_12.5.0 (Ref)
c48



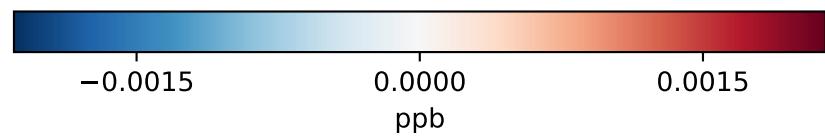
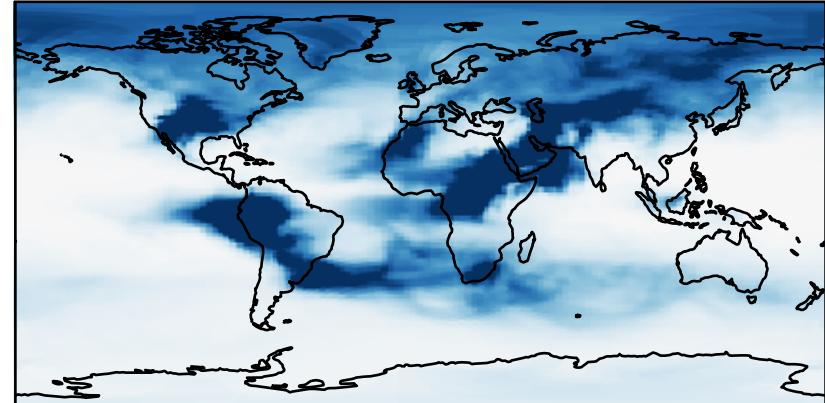
GCHP_12.6.0 (Dev)
c48



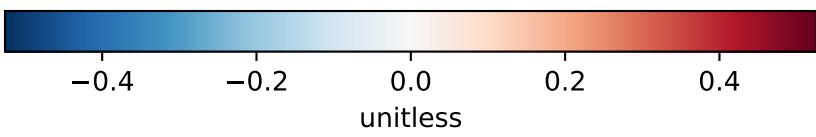
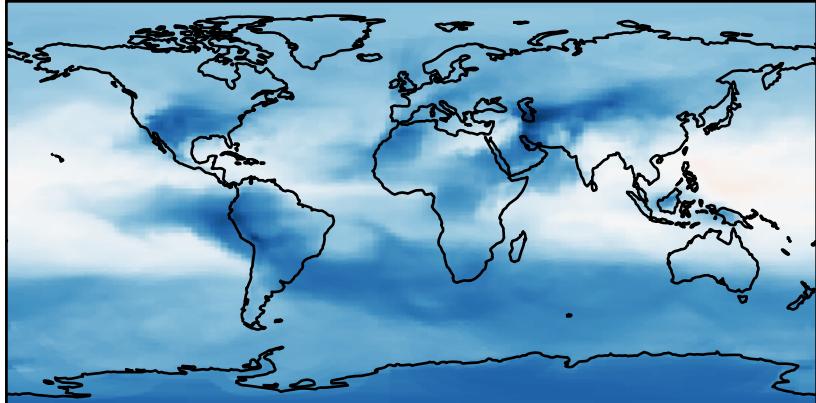
Difference (1x1.25)
Dev - Ref, Dynamic Range



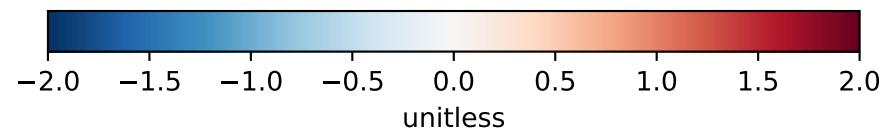
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

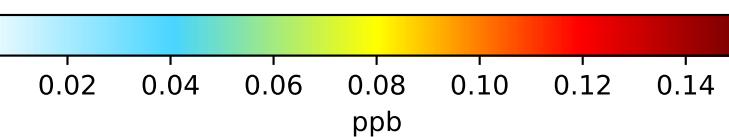
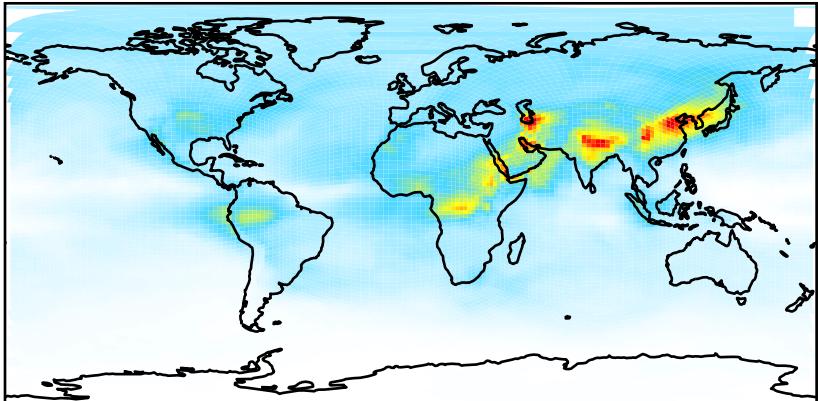


Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range

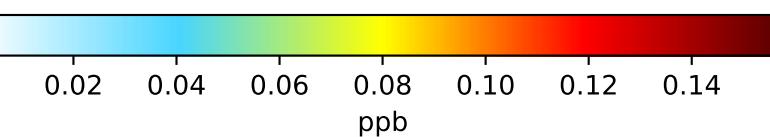
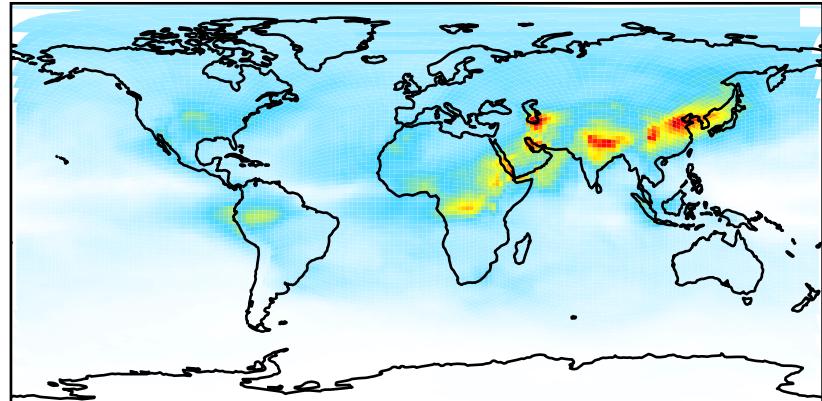


SpeciesConc_Simple_SOA

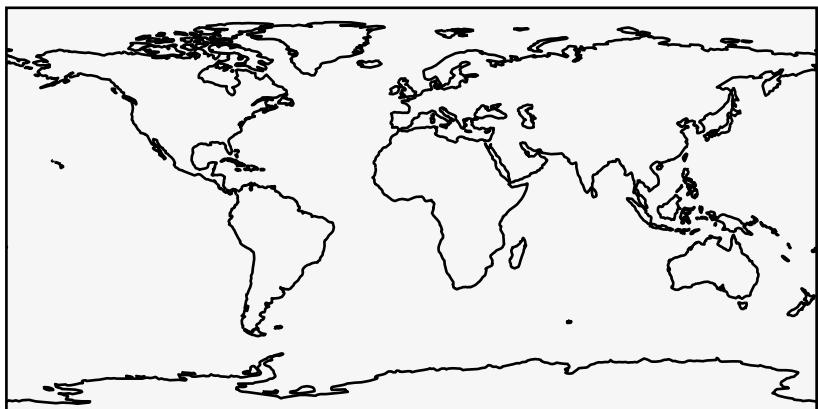
GCHP_12.5.0 (Ref)
c48



GCHP_12.6.0 (Dev)
c48

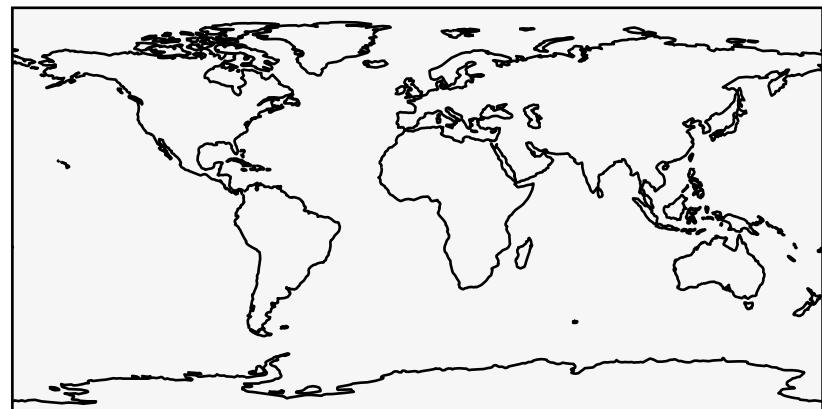


Difference (1x1.25)
Dev - Ref, Dynamic Range



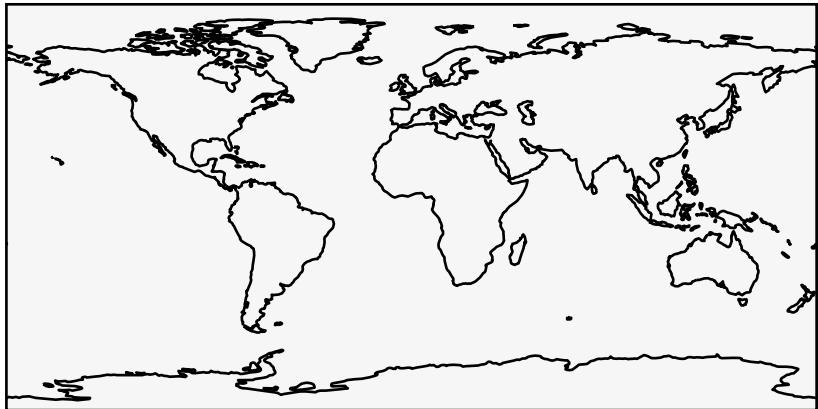
Zero throughout domain
ppb

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



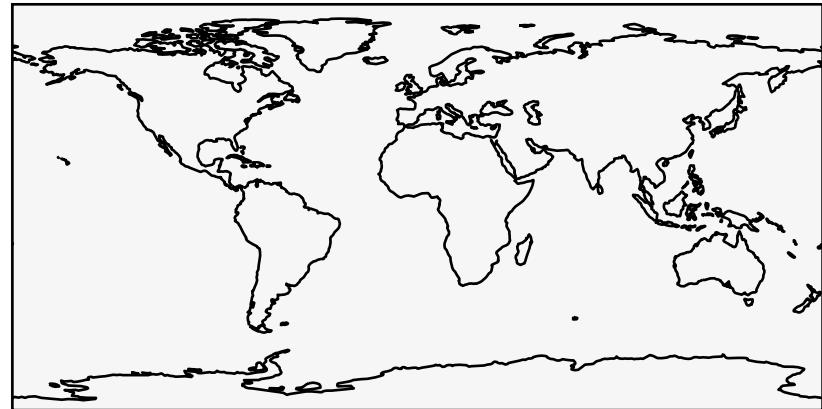
Zero throughout domain
ppb

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