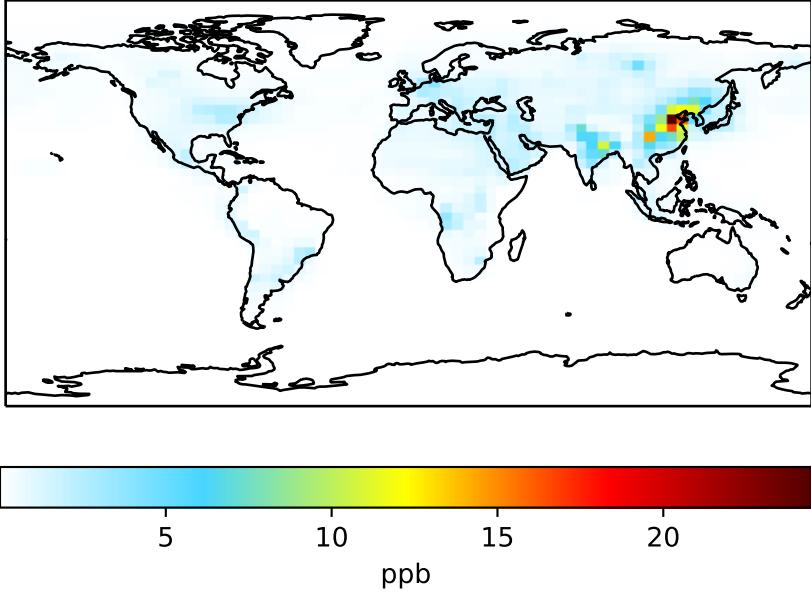
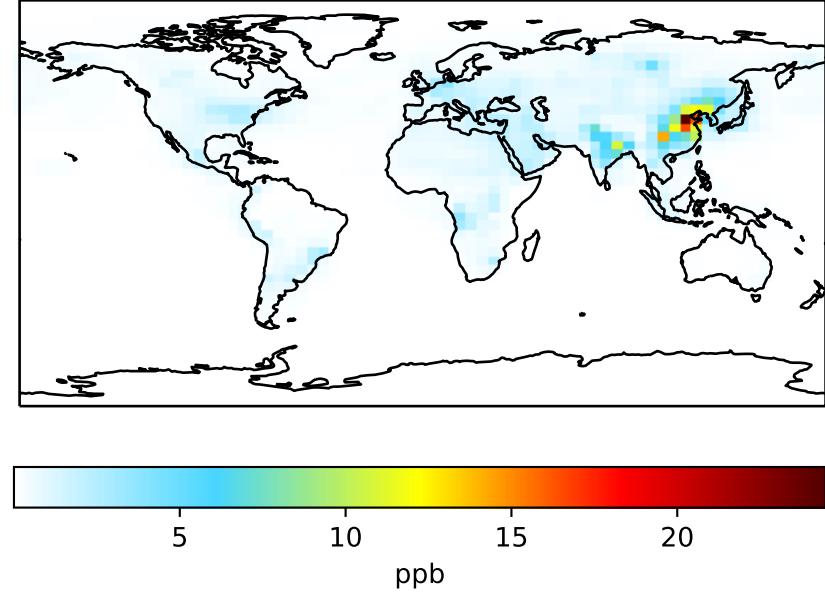


# SpeciesConc\_NH4

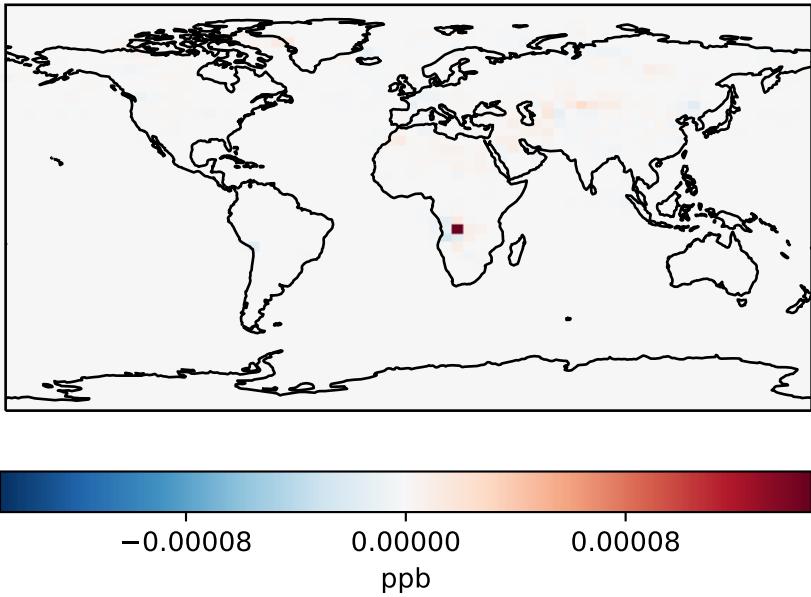
GC\_12.7.0-rc.1 (Ref)  
4x5



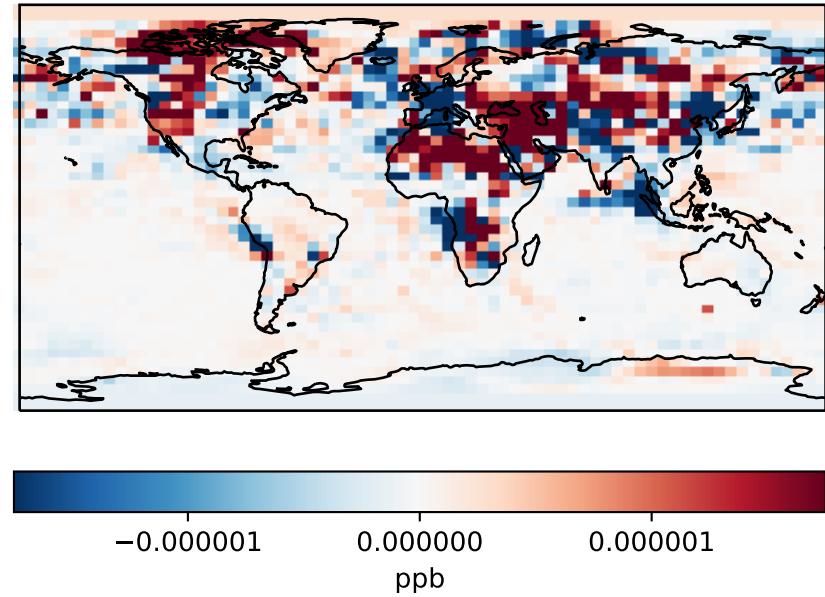
GC\_12.7.0-rc.2 (Dev)  
4x5



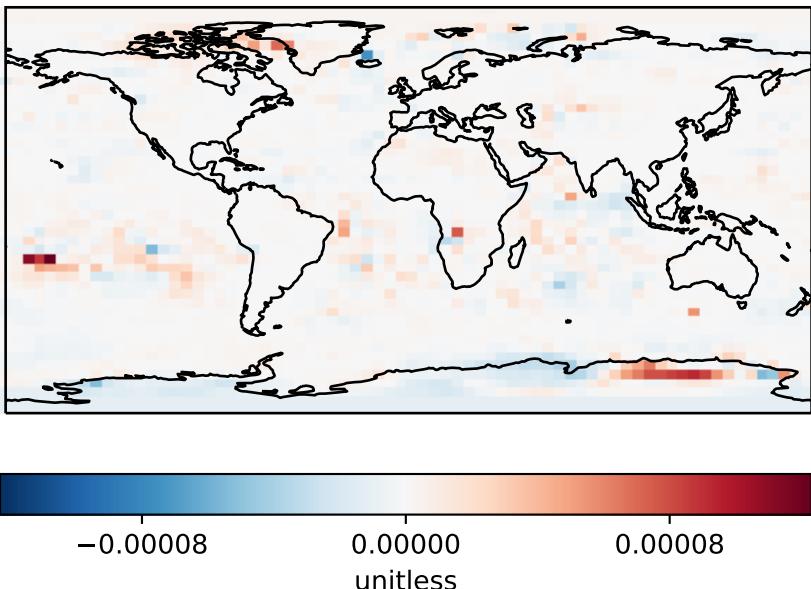
Difference  
Dev - Ref, Dynamic Range



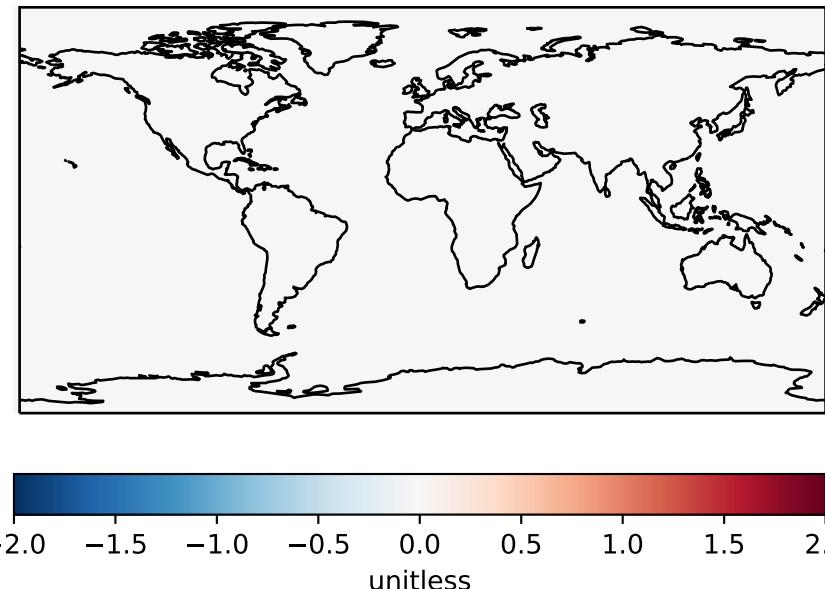
Difference  
Dev - Ref, Restricted Range [5%,95%]



Fractional Difference  
(Dev-Ref)/Ref, Dynamic Range

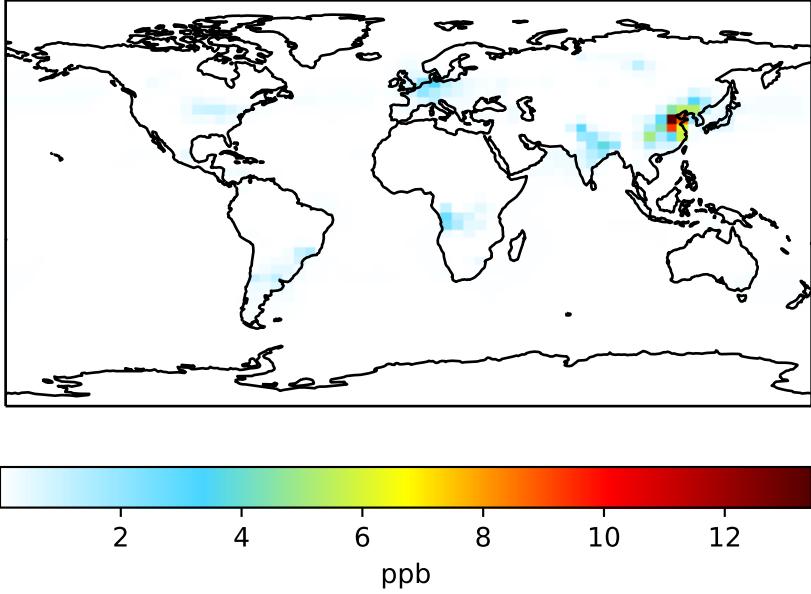


Fractional Difference  
(Dev-Ref)/Ref, Fixed Range

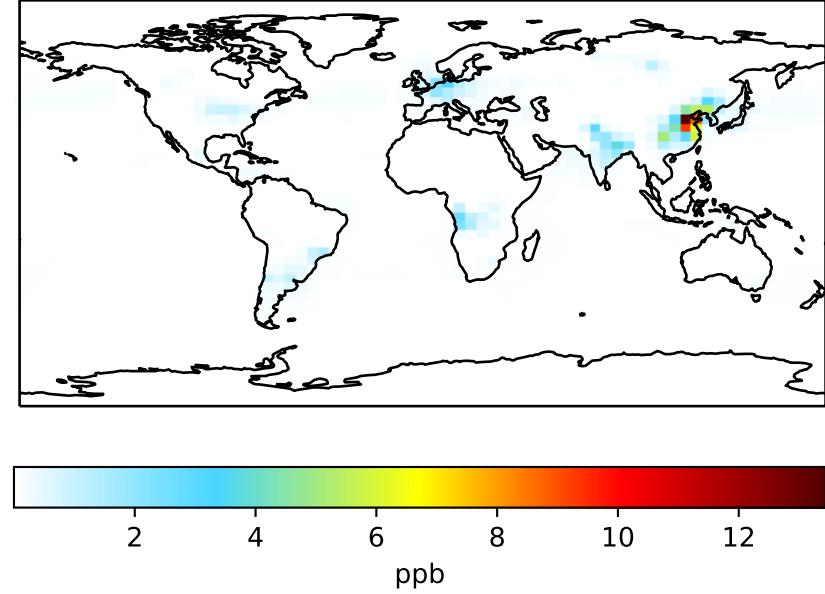


# SpeciesConc\_NIT

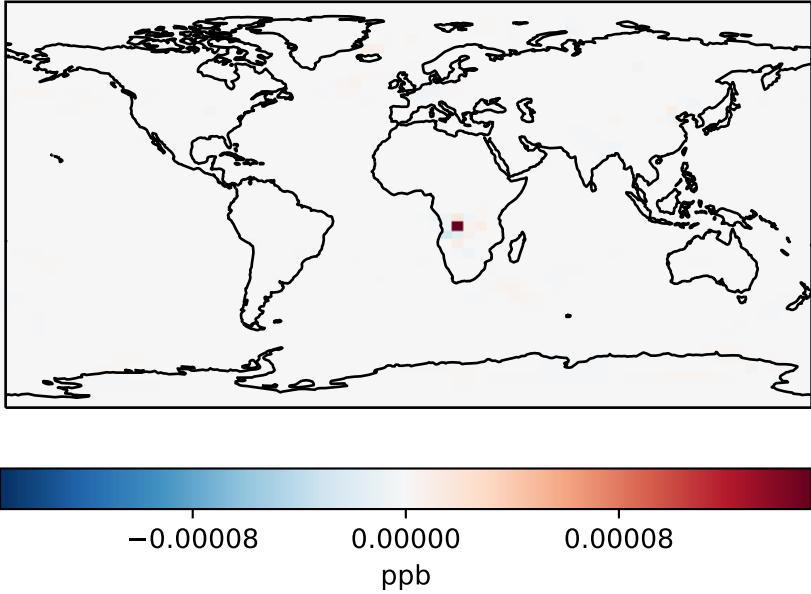
GC\_12.7.0-rc.1 (Ref)  
4x5



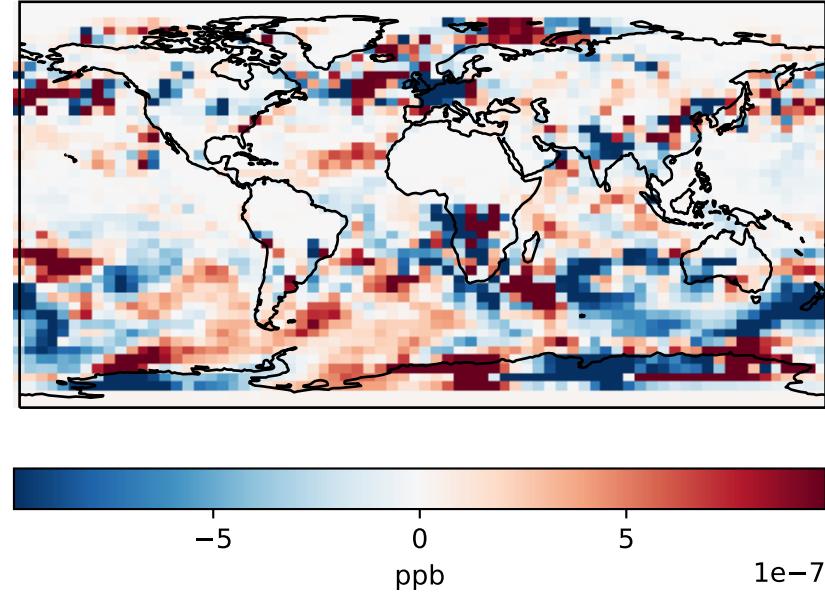
GC\_12.7.0-rc.2 (Dev)  
4x5



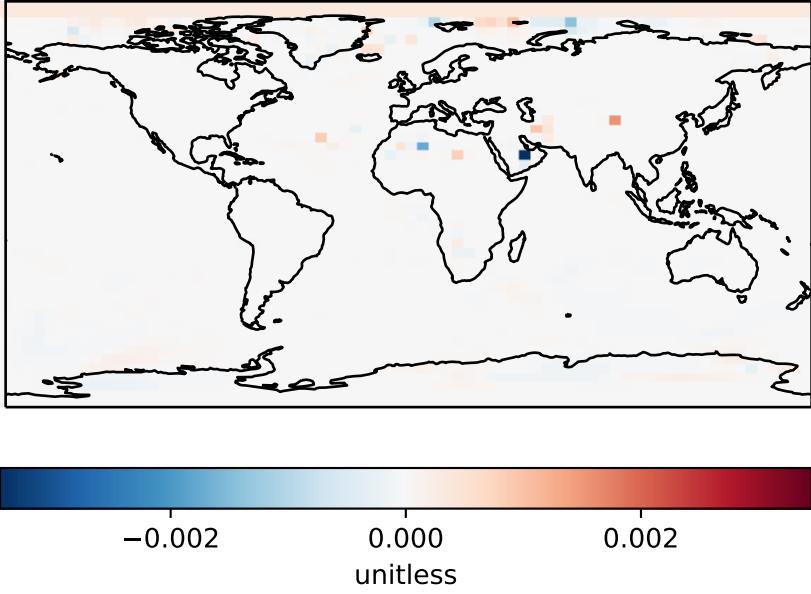
Difference  
Dev - Ref, Dynamic Range



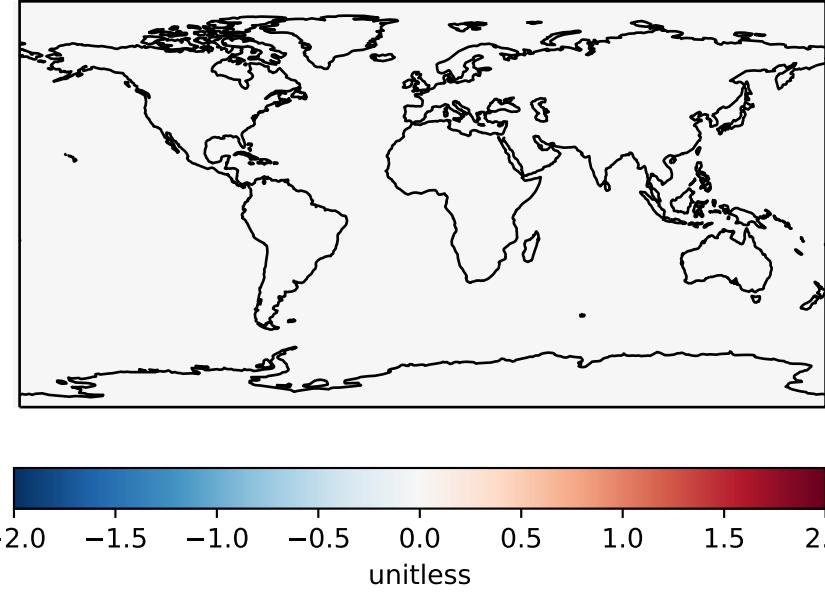
Difference  
Dev - Ref, Restricted Range [5%,95%]



Fractional Difference  
(Dev-Ref)/Ref, Dynamic Range

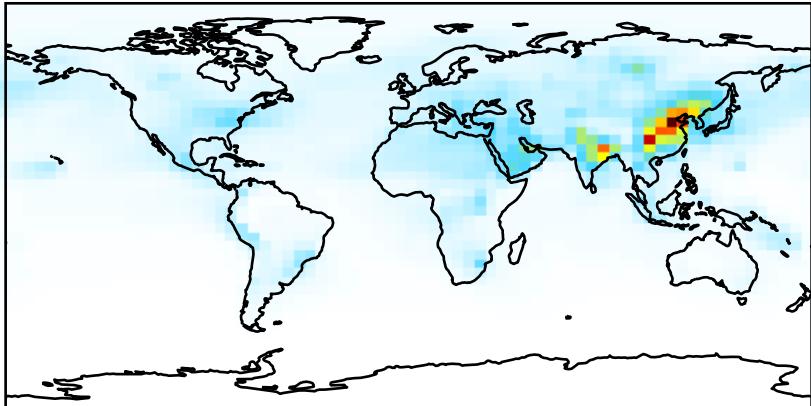


Fractional Difference  
(Dev-Ref)/Ref, Fixed Range

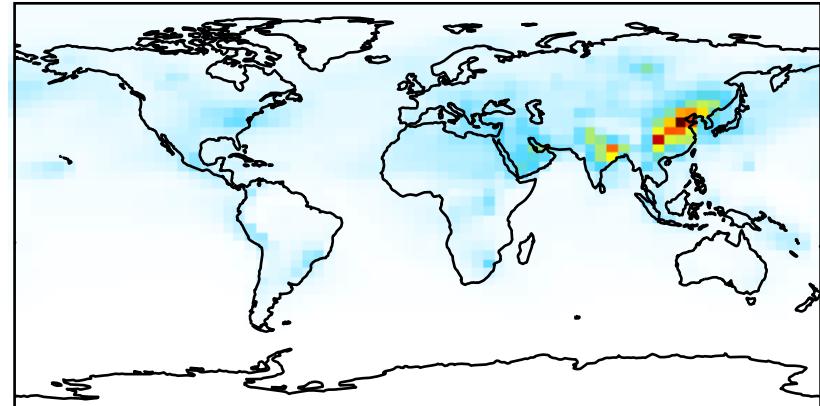


# SpeciesConc\_SO4

GC\_12.7.0-rc.1 (Ref)  
4x5



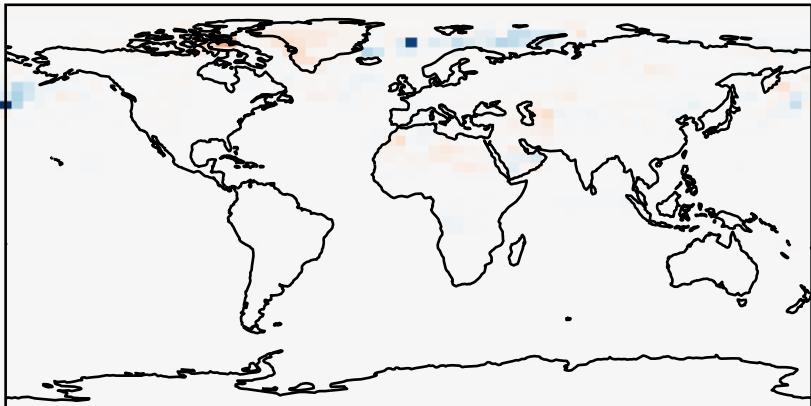
GC\_12.7.0-rc.2 (Dev)  
4x5



1 2 3 4 5  
ppb

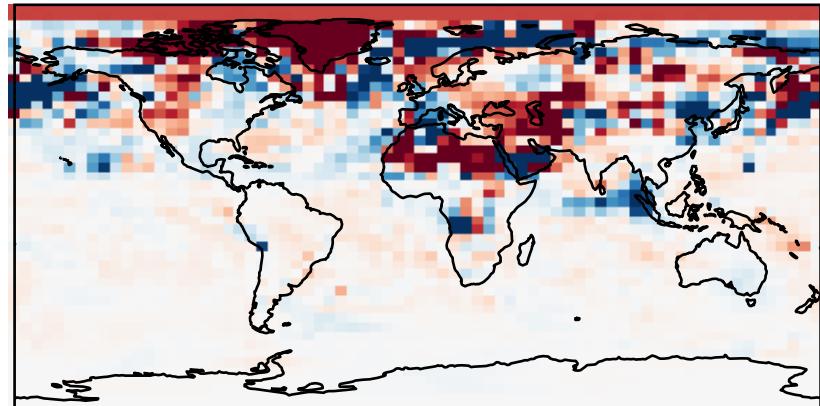
1 2 3 4 5  
ppb

Difference  
Dev - Ref, Dynamic Range



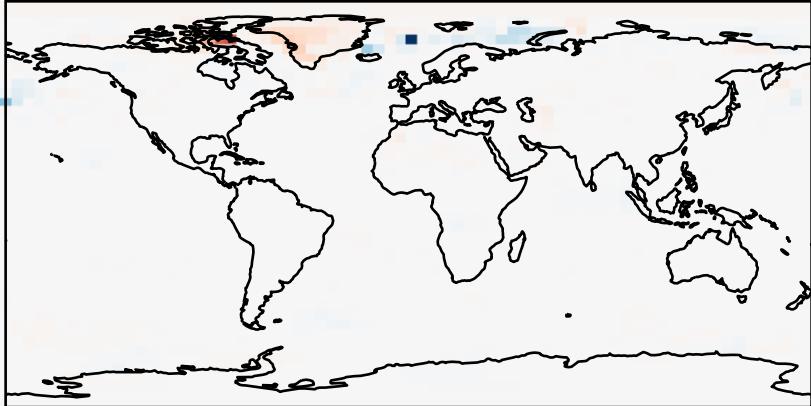
-0.00004 0.00000 0.00004  
ppb

Difference  
Dev - Ref, Restricted Range [5%,95%]



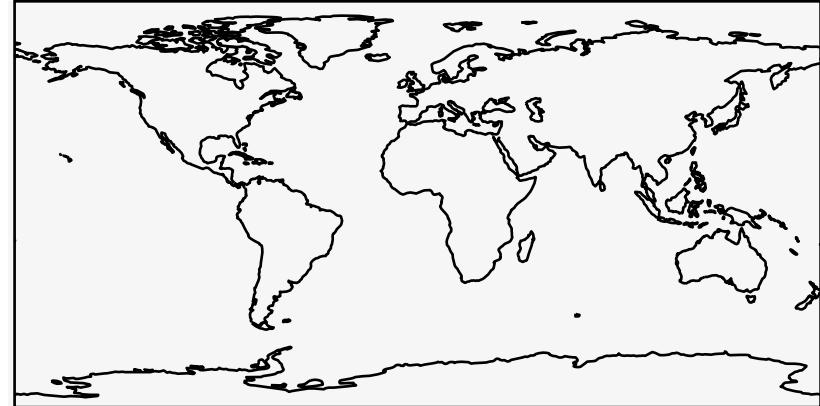
-8 0 8  
ppb  
1e-7

Fractional Difference  
(Dev-Ref)/Ref, Dynamic Range



-0.00025 0.00000 0.00025  
unitless

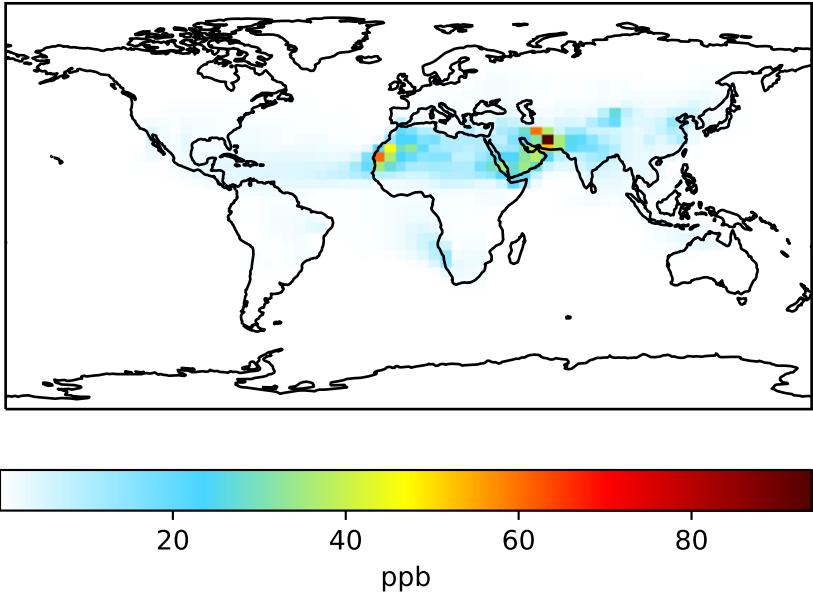
Fractional Difference  
(Dev-Ref)/Ref, Fixed Range



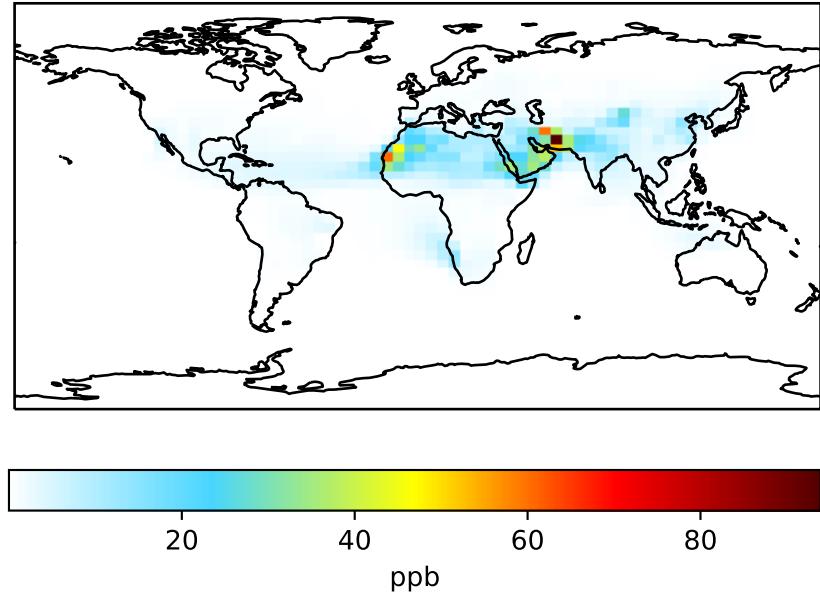
-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0 1.5 2.0  
unitless

# SpeciesConc\_DST1

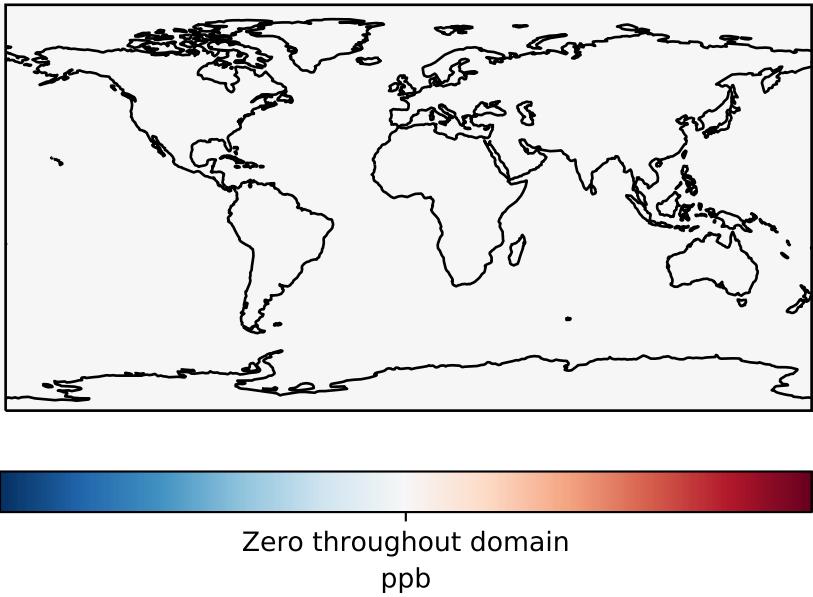
GC\_12.7.0-rc.1 (Ref)  
4x5



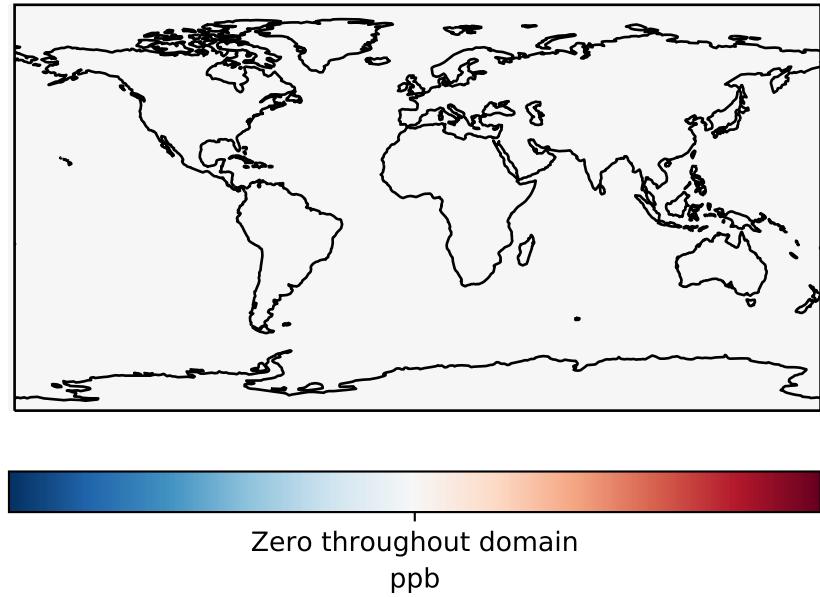
GC\_12.7.0-rc.2 (Dev)  
4x5



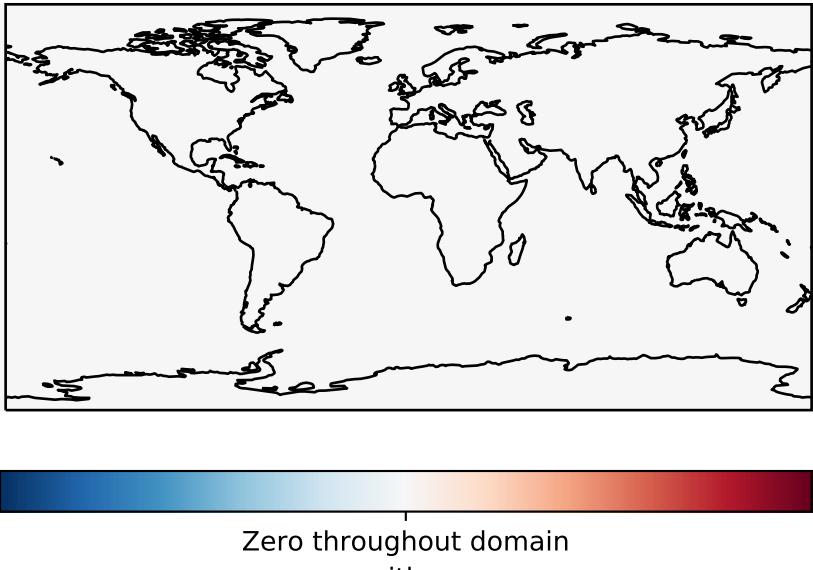
Difference  
Dev - Ref, Dynamic Range



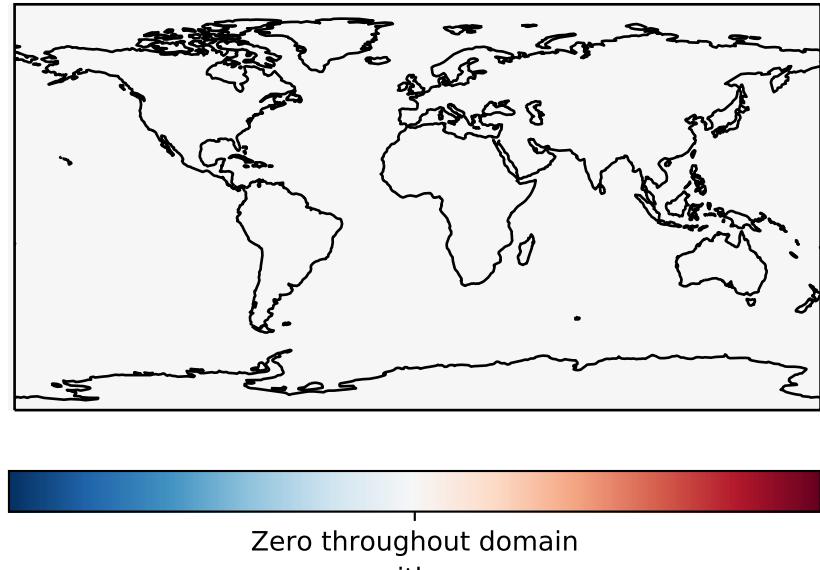
Difference  
Dev - Ref, Restricted Range [5%,95%]



Fractional Difference  
(Dev-Ref)/Ref, Dynamic Range

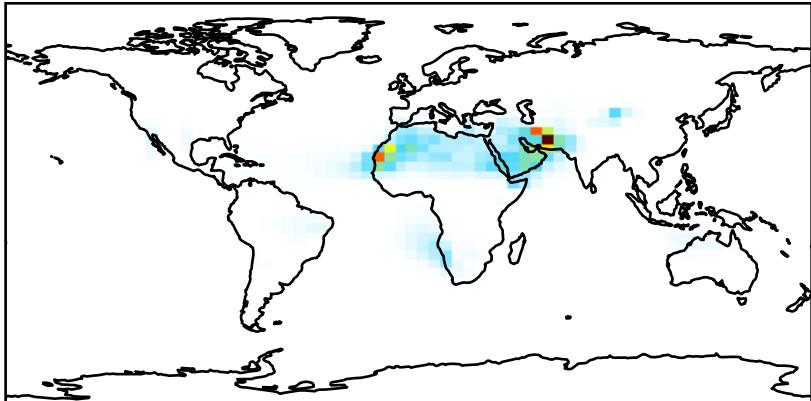


Fractional Difference  
(Dev-Ref)/Ref, Fixed Range

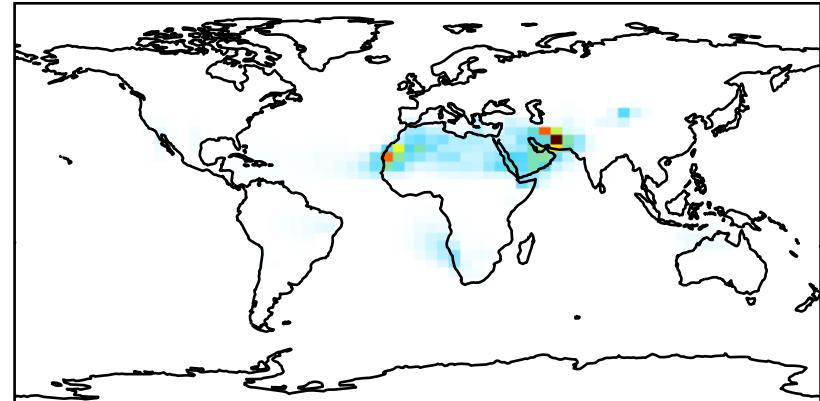


# SpeciesConc\_DST2

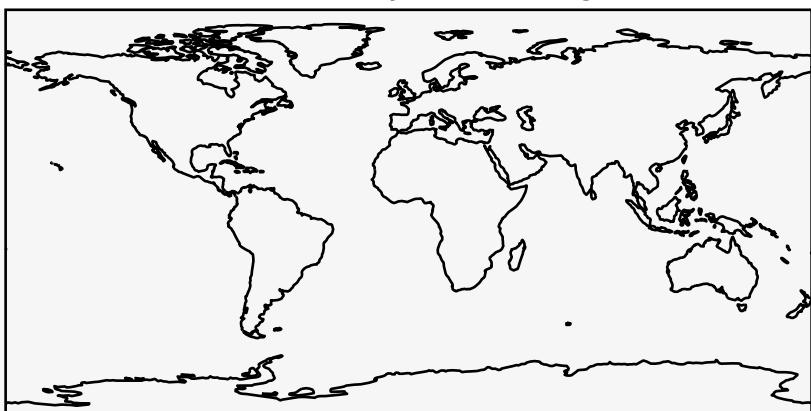
GC\_12.7.0-rc.1 (Ref)  
4x5



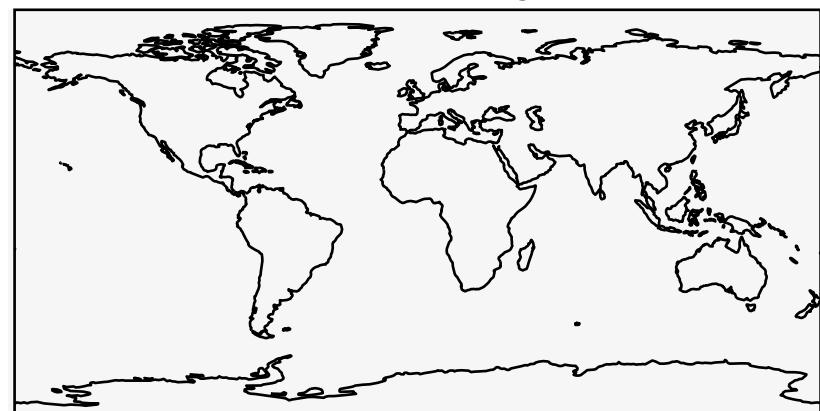
GC\_12.7.0-rc.2 (Dev)  
4x5



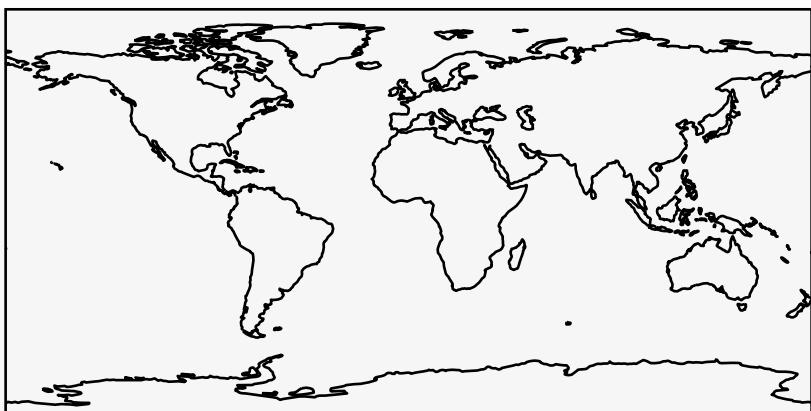
Difference  
Dev - Ref, Dynamic Range



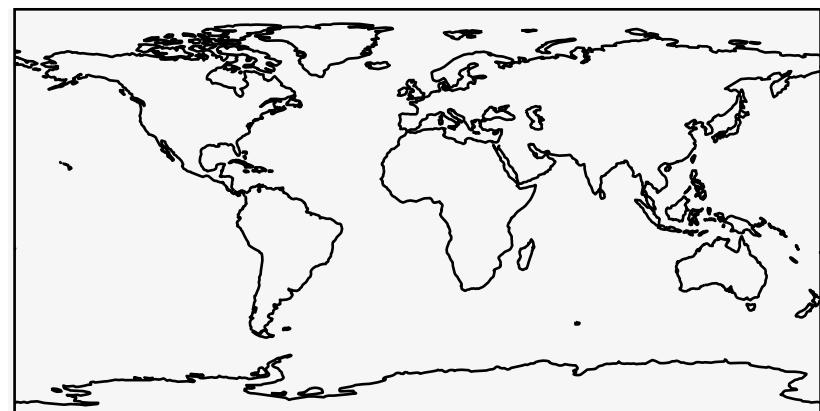
Difference  
Dev - Ref, Restricted Range [5%,95%]



Fractional Difference  
(Dev-Ref)/Ref, Dynamic Range



Fractional Difference  
(Dev-Ref)/Ref, Fixed Range

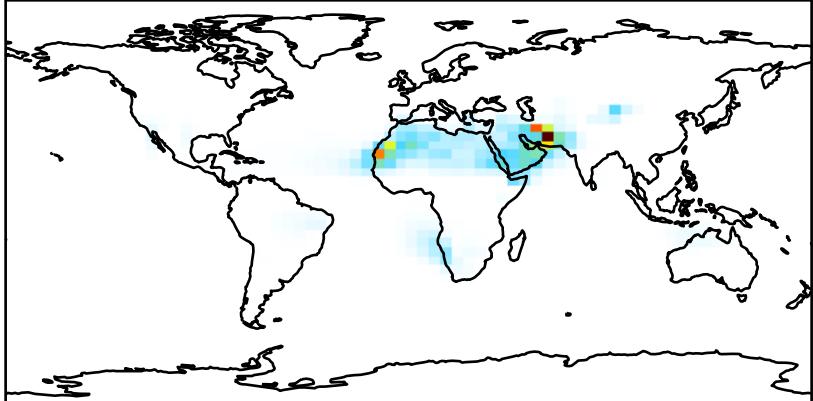


Zero throughout domain  
ppb

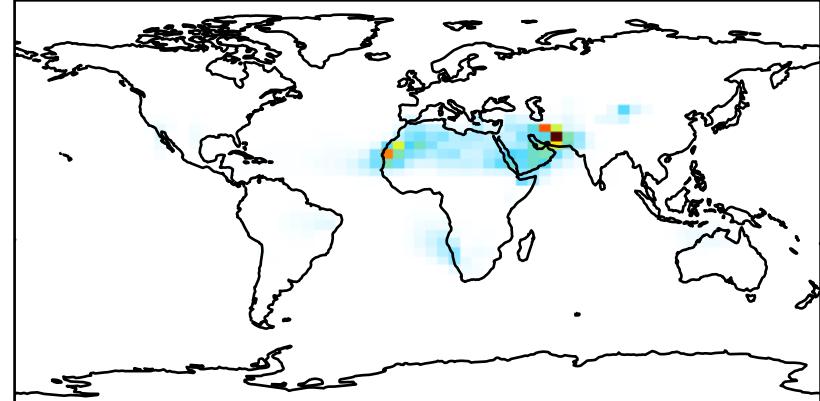
Zero throughout domain  
unitless

# SpeciesConc\_DST3

GC\_12.7.0-rc.1 (Ref)  
4x5



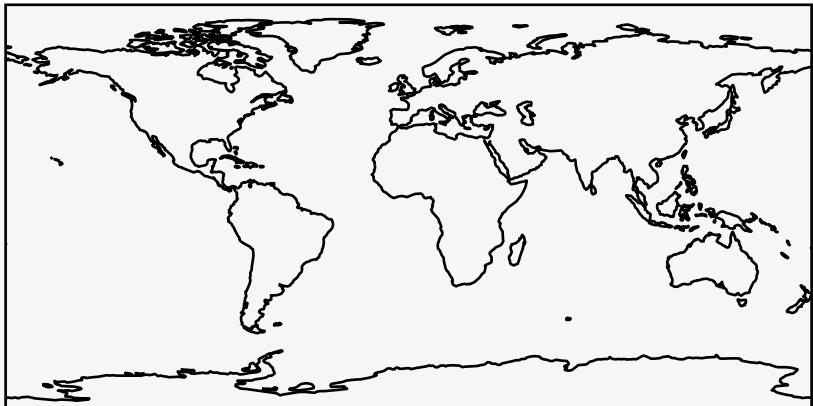
GC\_12.7.0-rc.2 (Dev)  
4x5



100 200 300  
ppb

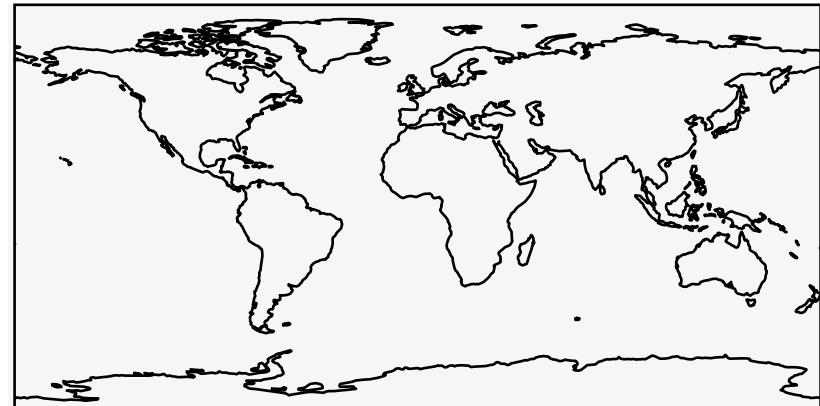
100 200 300  
ppb

Difference  
Dev - Ref, Dynamic Range



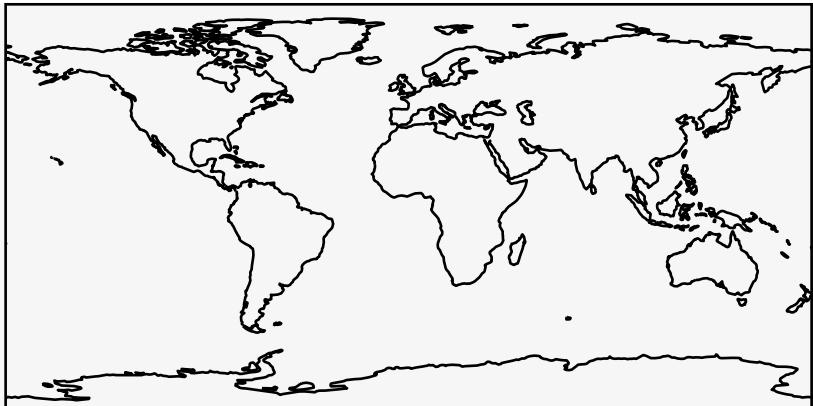
Zero throughout domain  
ppb

Difference  
Dev - Ref, Restricted Range [5%,95%]



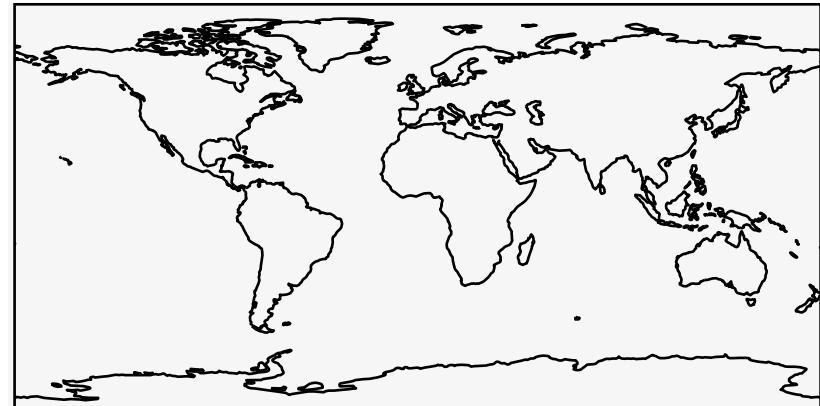
Zero throughout domain  
ppb

Fractional Difference  
(Dev-Ref)/Ref, Dynamic Range



Zero throughout domain  
unitless

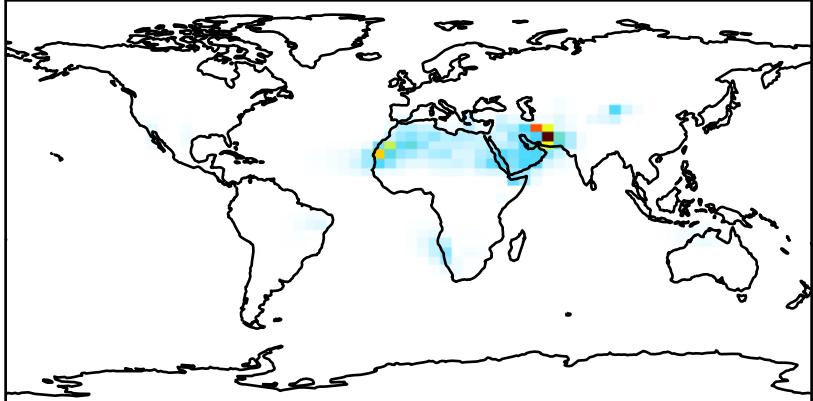
Fractional Difference  
(Dev-Ref)/Ref, Fixed Range



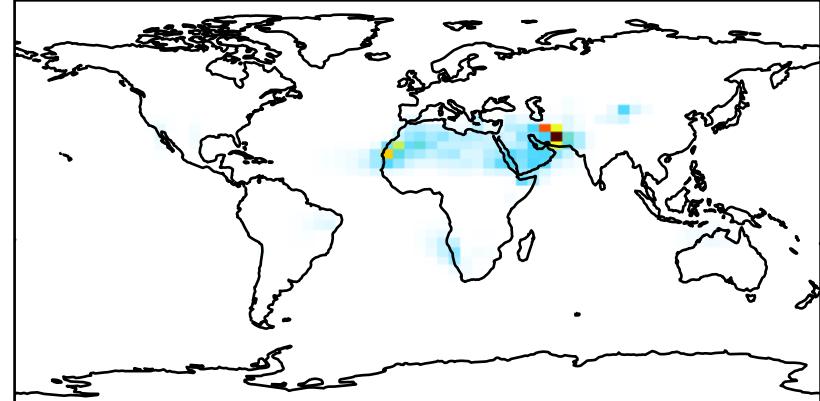
Zero throughout domain  
unitless

# SpeciesConc\_DST4

GC\_12.7.0-rc.1 (Ref)  
4x5



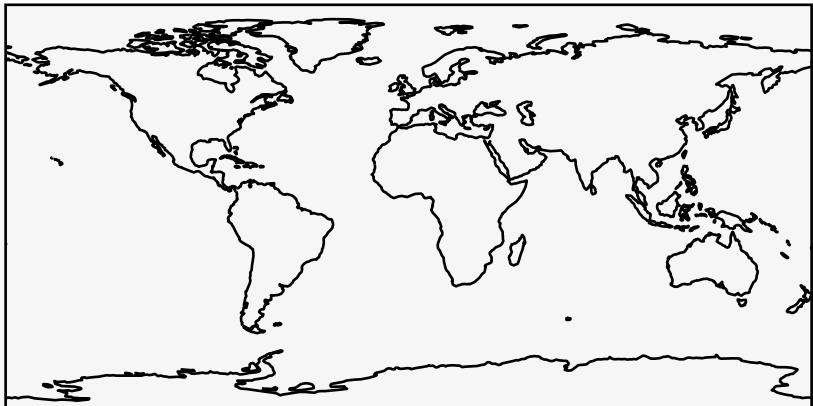
GC\_12.7.0-rc.2 (Dev)  
4x5



100 200 300  
ppb

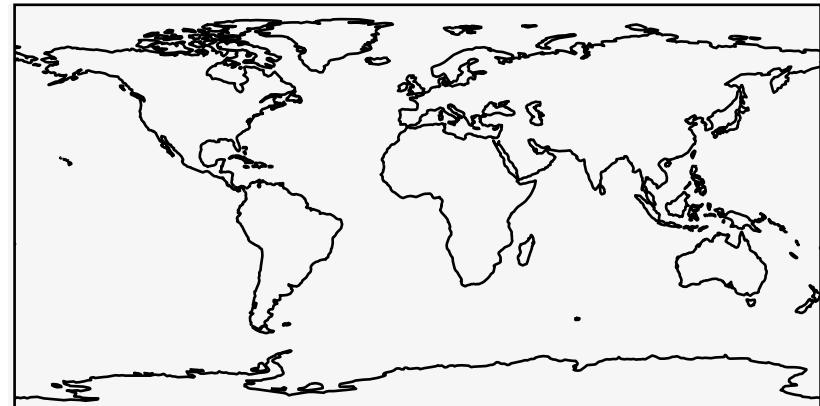
100 200 300  
ppb

Difference  
Dev - Ref, Dynamic Range



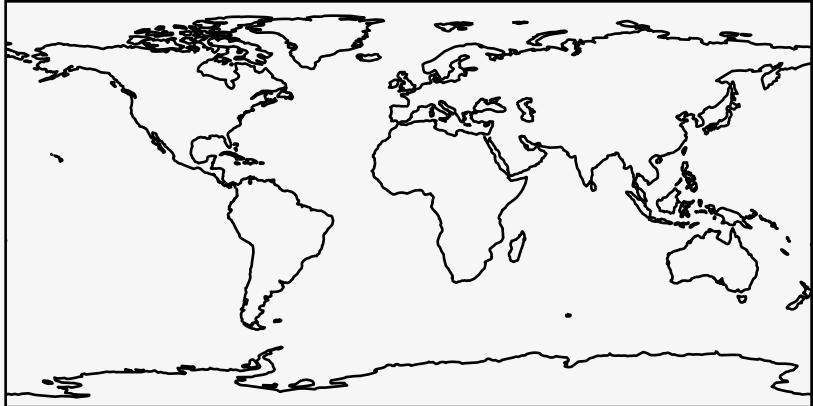
Zero throughout domain  
ppb

Difference  
Dev - Ref, Restricted Range [5%,95%]



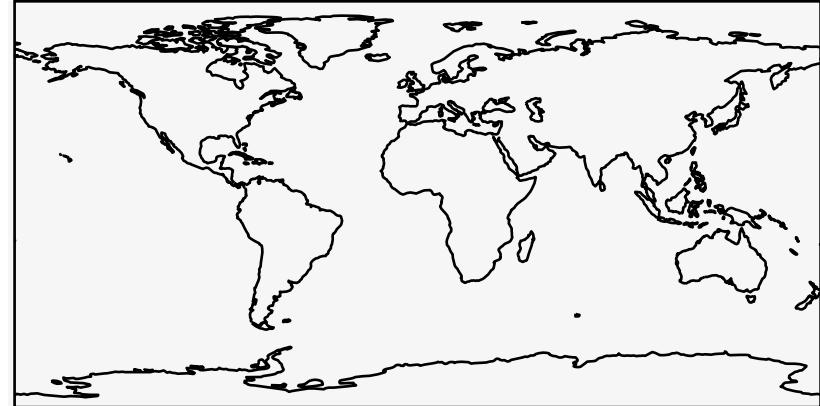
Zero throughout domain  
ppb

Fractional Difference  
(Dev-Ref)/Ref, Dynamic Range



Zero throughout domain  
unitless

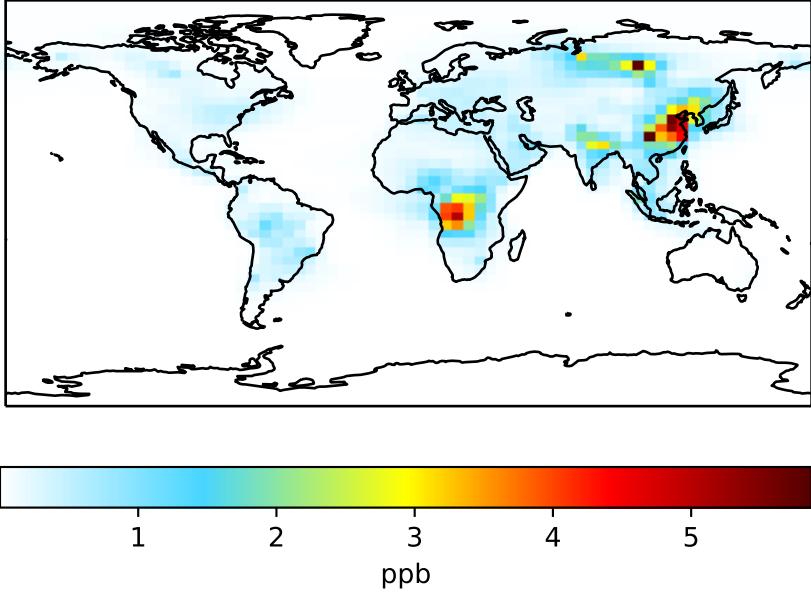
Fractional Difference  
(Dev-Ref)/Ref, Fixed Range



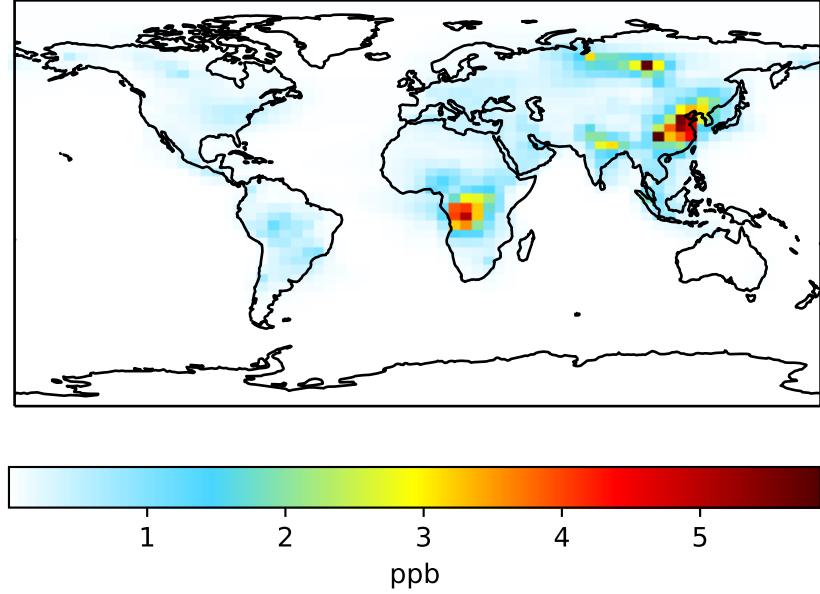
Zero throughout domain  
unitless

# SpeciesConc\_BCPI

GC\_12.7.0-rc.1 (Ref)  
4x5



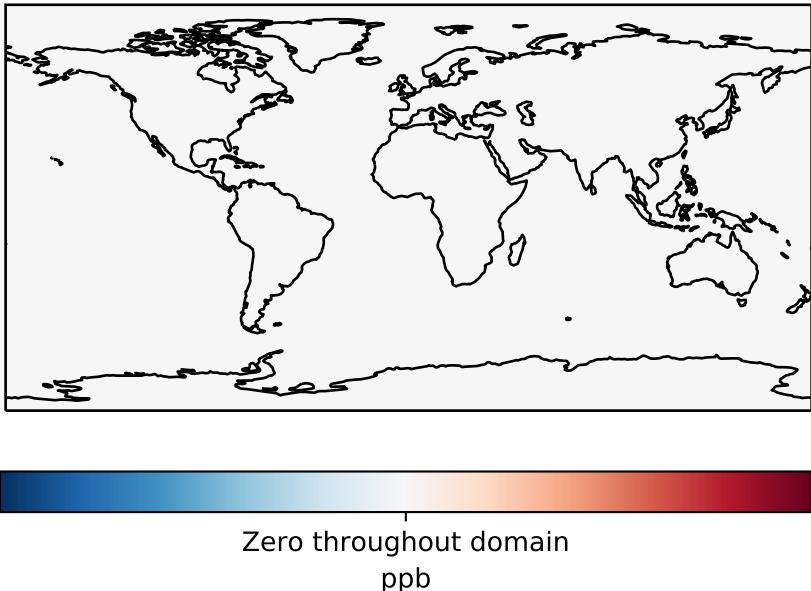
GC\_12.7.0-rc.2 (Dev)  
4x5



1 2 3 4 5  
ppb

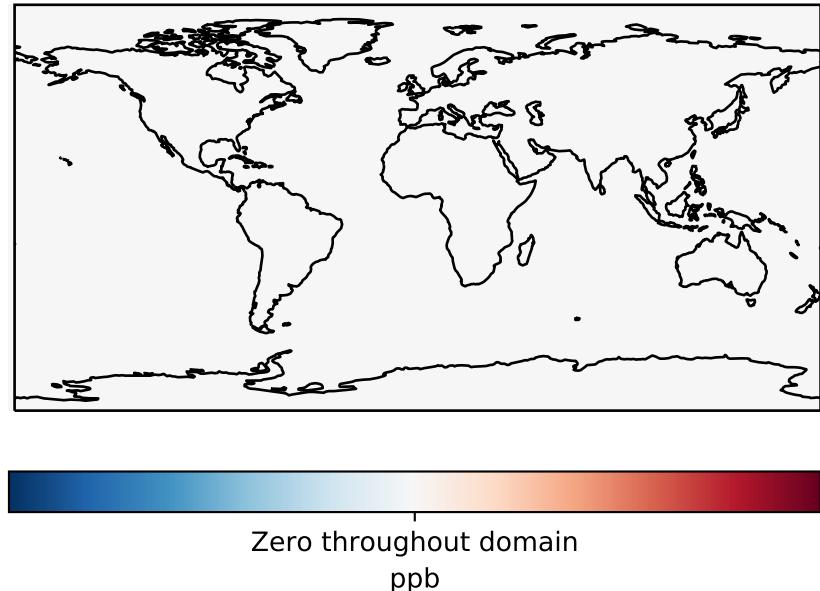
1 2 3 4 5  
ppb

Difference  
Dev - Ref, Dynamic Range



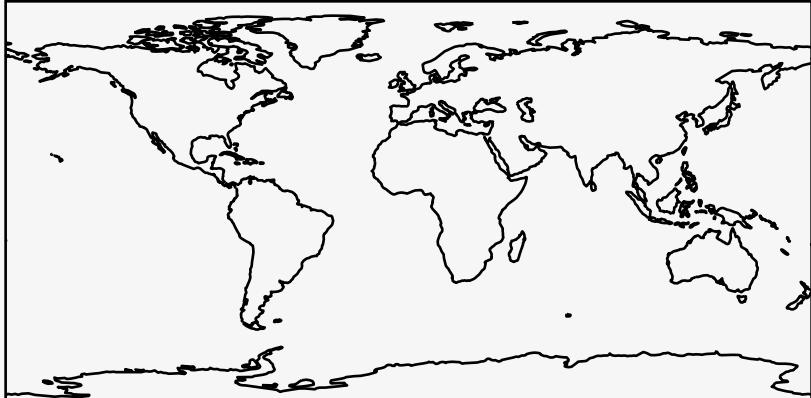
Zero throughout domain  
ppb

Difference  
Dev - Ref, Restricted Range [5%,95%]



Zero throughout domain  
ppb

Fractional Difference  
(Dev-Ref)/Ref, Dynamic Range



Zero throughout domain  
unitless

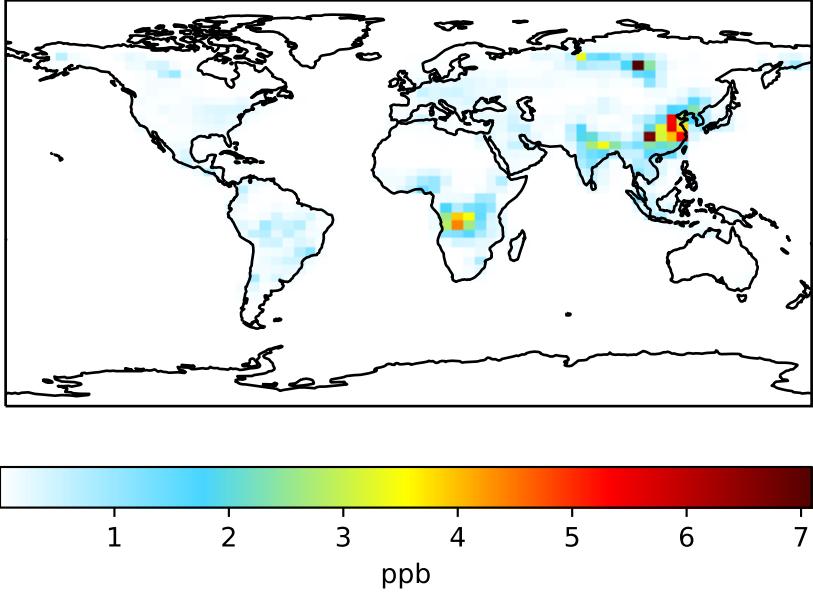
Fractional Difference  
(Dev-Ref)/Ref, Fixed Range



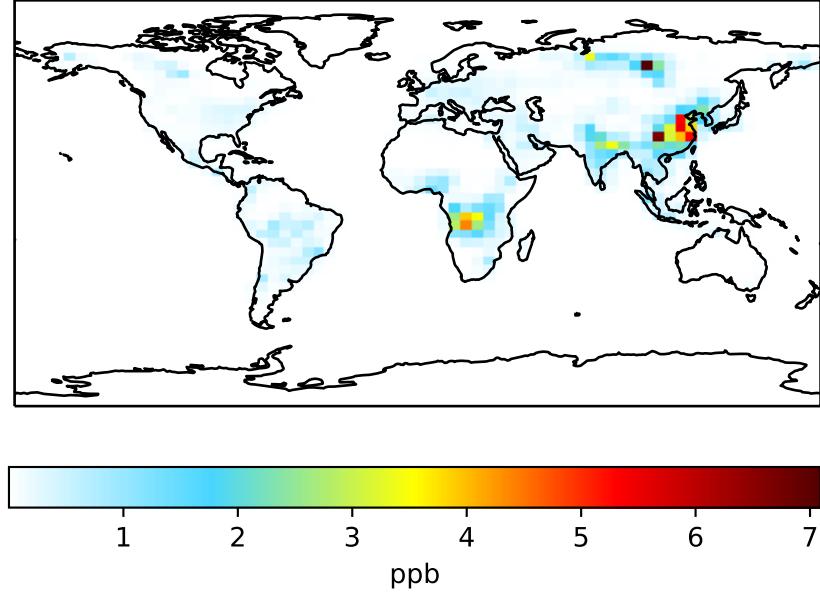
Zero throughout domain  
unitless

# SpeciesConc\_BCPO

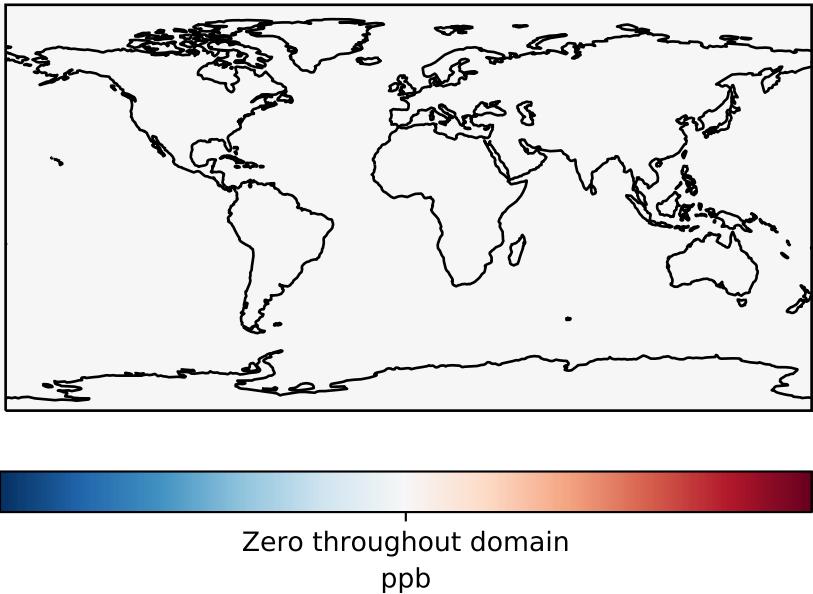
GC\_12.7.0-rc.1 (Ref)  
4x5



GC\_12.7.0-rc.2 (Dev)  
4x5

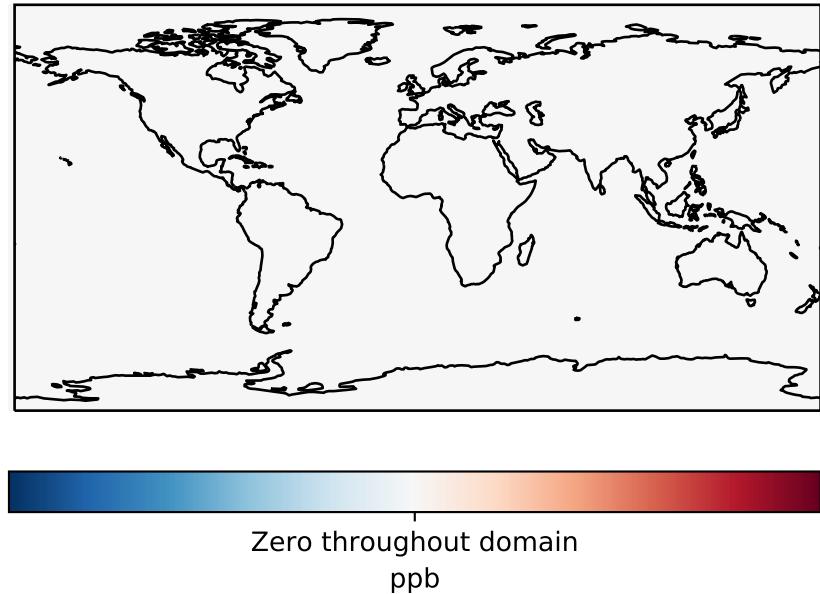


Difference  
Dev - Ref, Dynamic Range



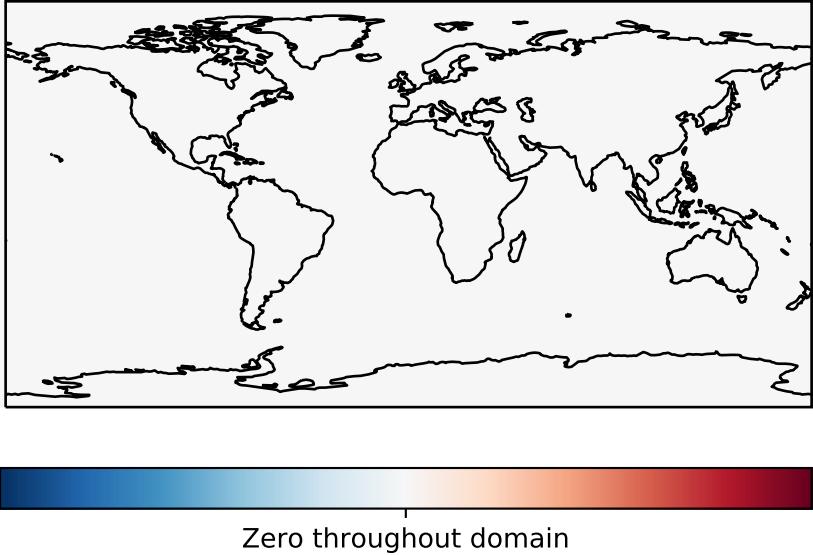
Zero throughout domain  
ppb

Difference  
Dev - Ref, Restricted Range [5%,95%]



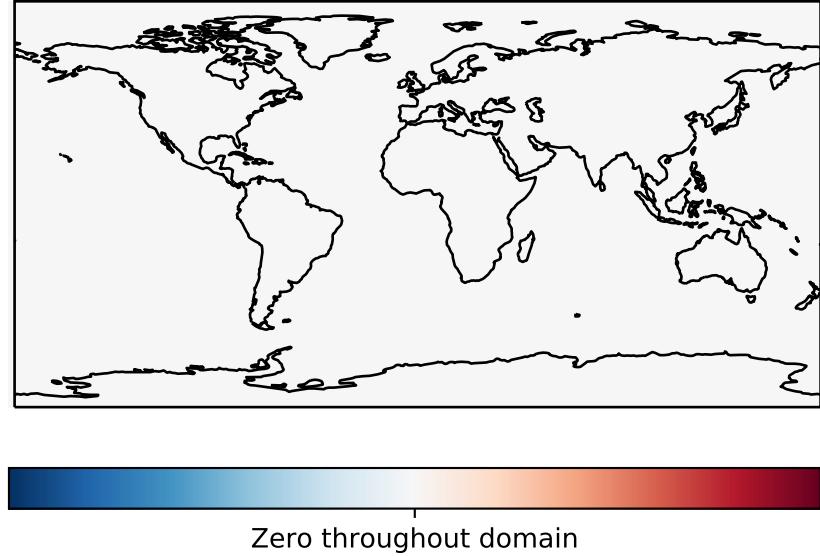
Zero throughout domain  
ppb

Fractional Difference  
(Dev-Ref)/Ref, Dynamic Range



Zero throughout domain  
unitless

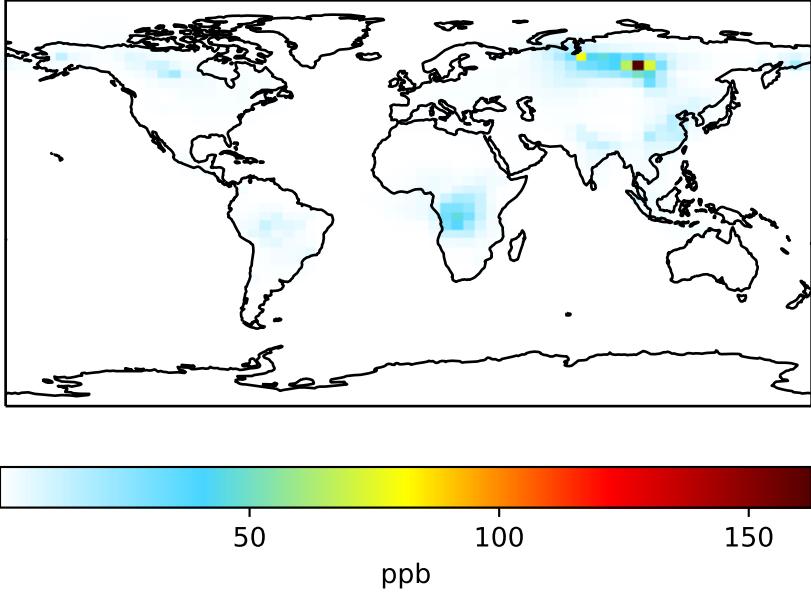
Fractional Difference  
(Dev-Ref)/Ref, Fixed Range



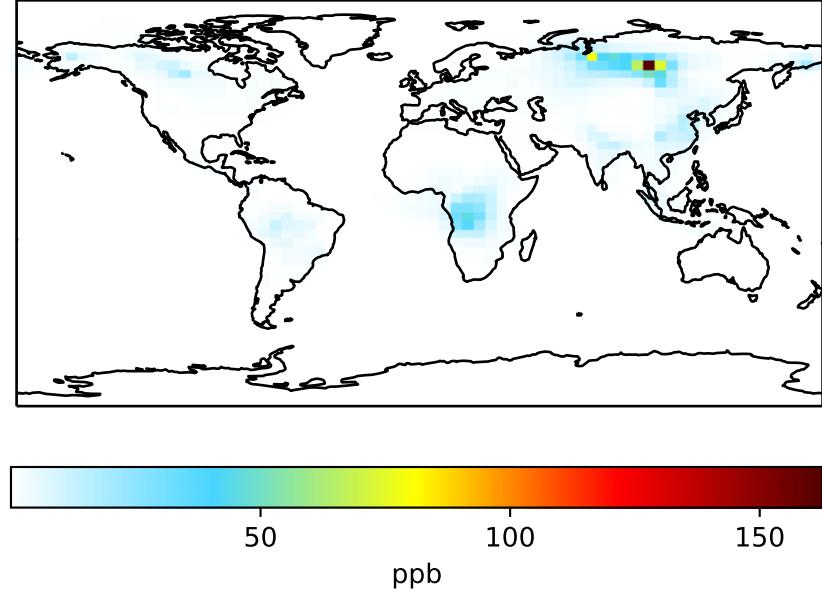
Zero throughout domain  
unitless

# SpeciesConc\_OCPI

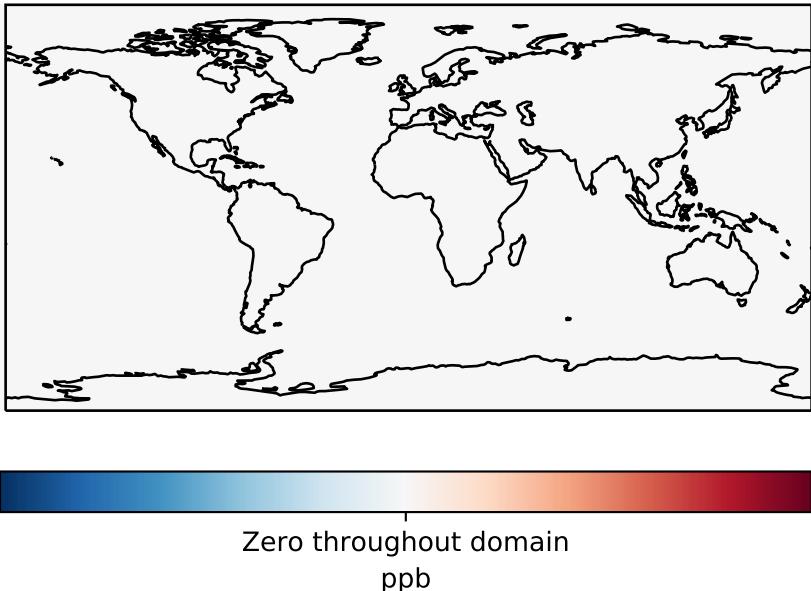
GC\_12.7.0-rc.1 (Ref)  
4x5



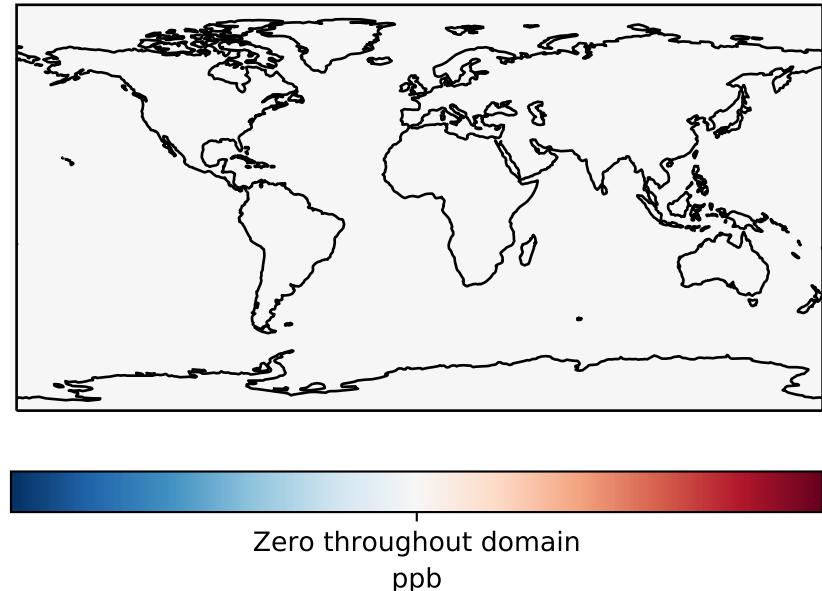
GC\_12.7.0-rc.2 (Dev)  
4x5



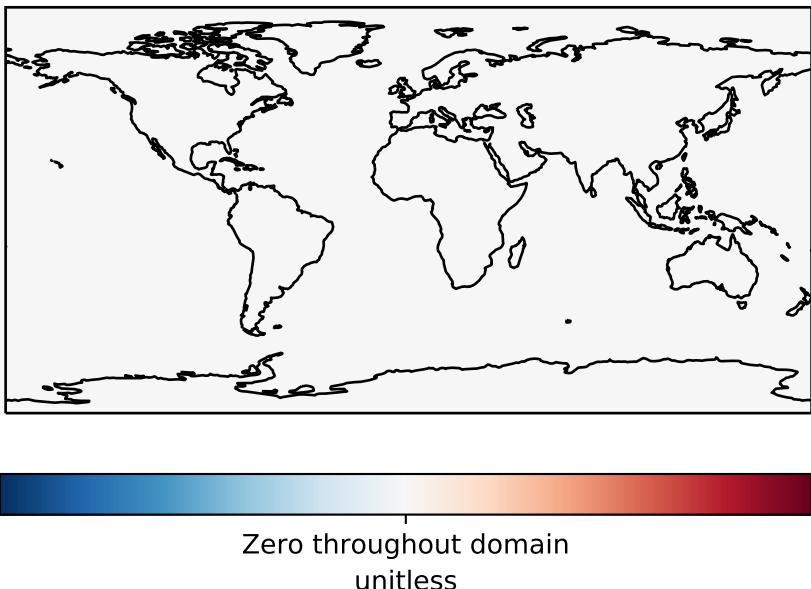
Difference  
Dev - Ref, Dynamic Range



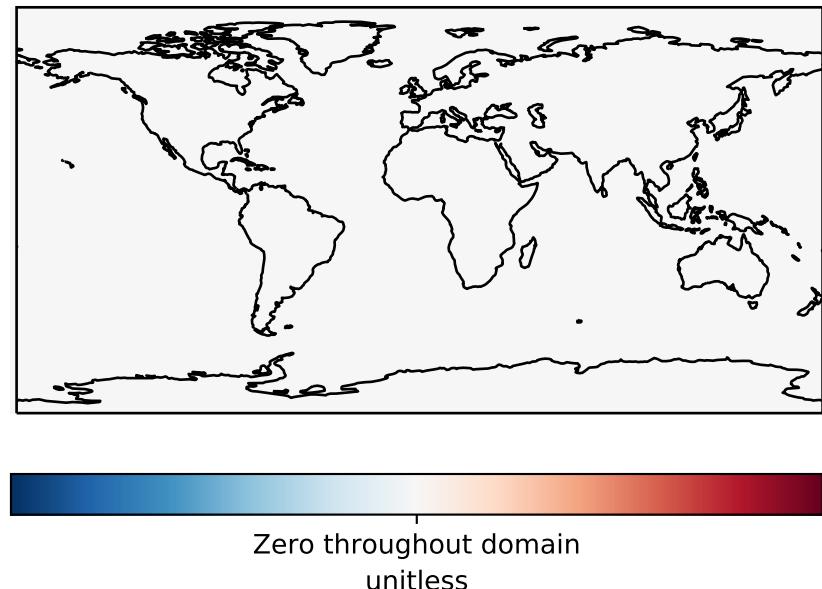
Difference  
Dev - Ref, Restricted Range [5%,95%]



Fractional Difference  
(Dev-Ref)/Ref, Dynamic Range

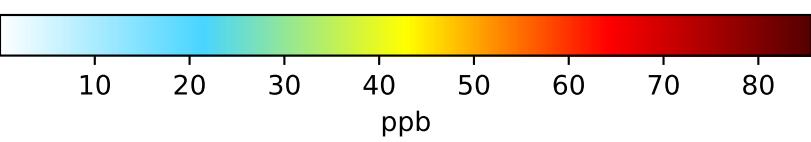
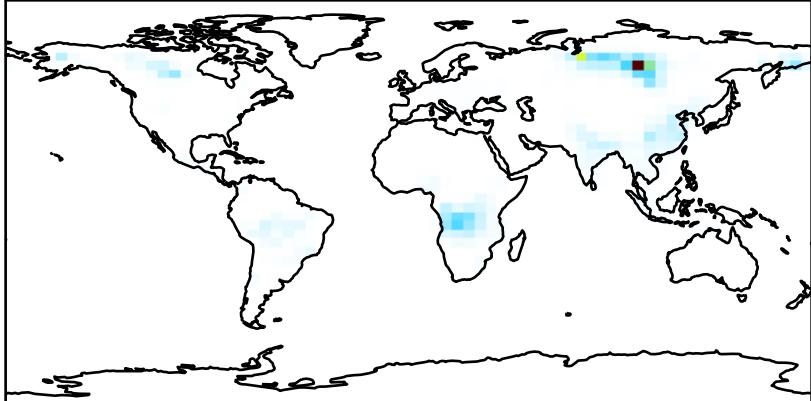


Fractional Difference  
(Dev-Ref)/Ref, Fixed Range

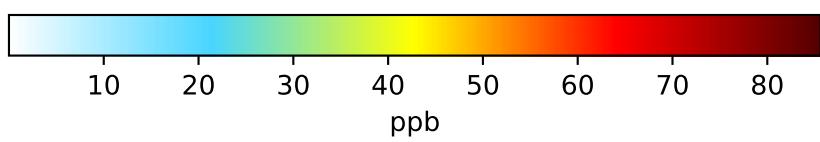
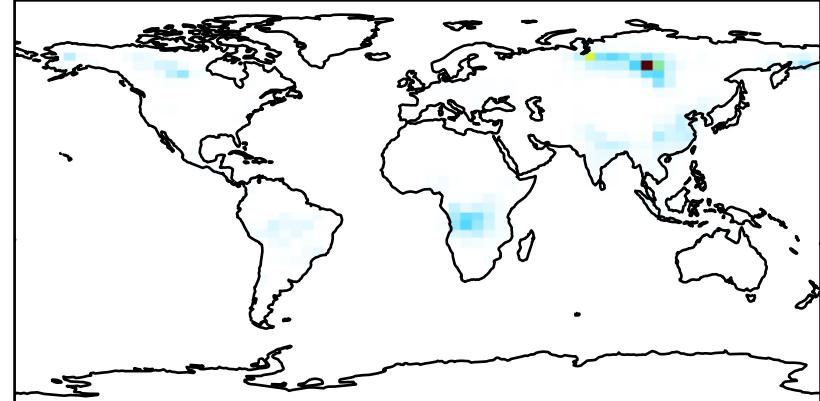


# SpeciesConc\_OCPO

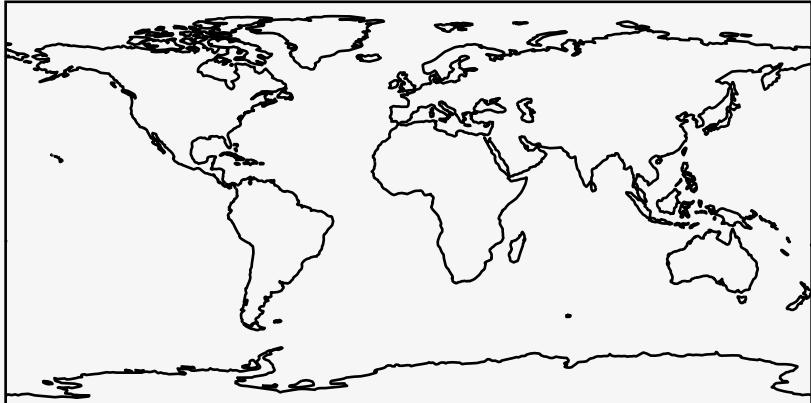
GC\_12.7.0-rc.1 (Ref)  
4x5



GC\_12.7.0-rc.2 (Dev)  
4x5



Difference  
Dev - Ref, Dynamic Range



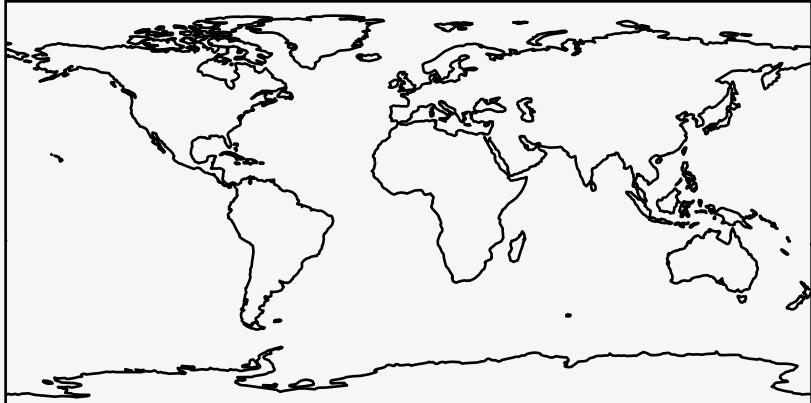
Zero throughout domain  
ppb

Difference  
Dev - Ref, Restricted Range [5%,95%]



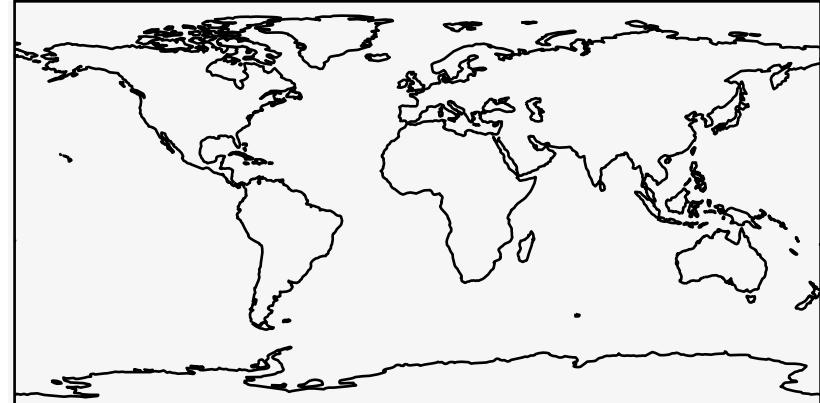
Zero throughout domain  
ppb

Fractional Difference  
(Dev-Ref)/Ref, Dynamic Range



Zero throughout domain  
unitless

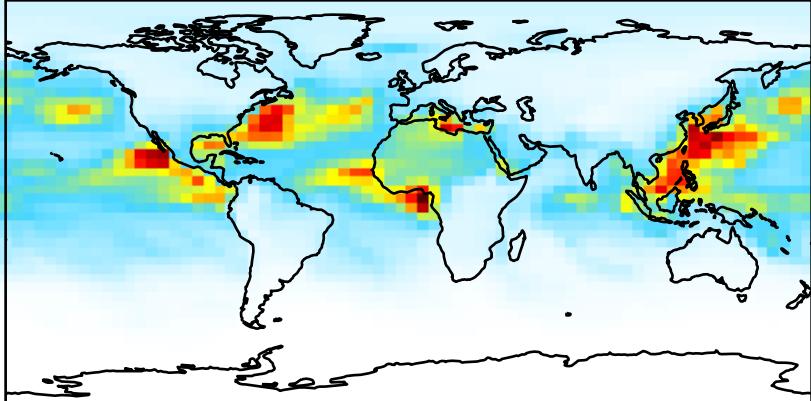
Fractional Difference  
(Dev-Ref)/Ref, Fixed Range



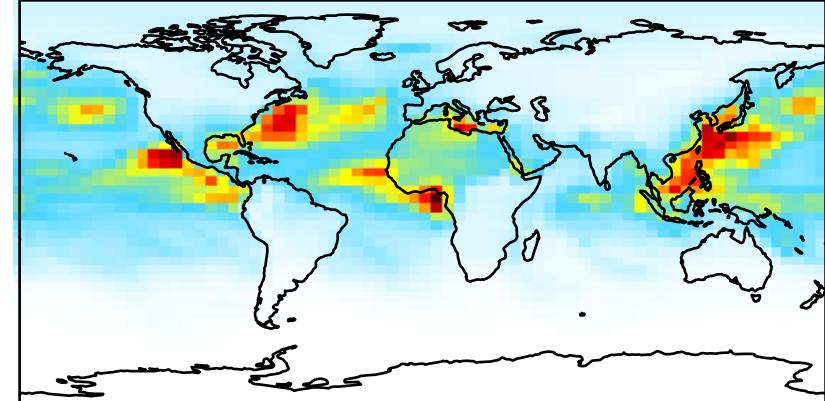
Zero throughout domain  
unitless

# SpeciesConc\_AERI

GC\_12.7.0-rc.1 (Ref)  
4x5



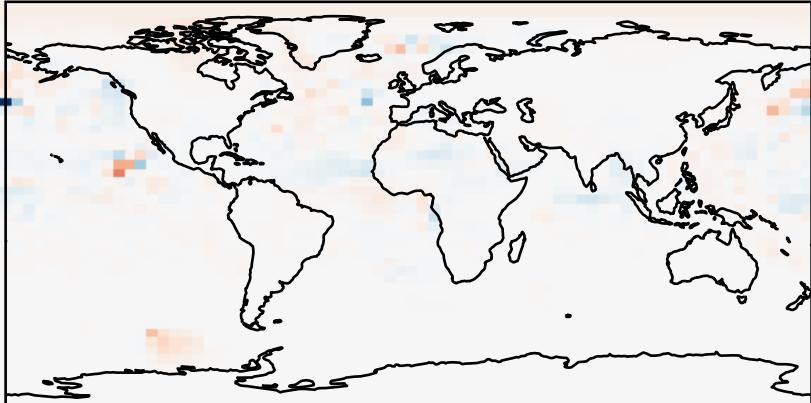
GC\_12.7.0-rc.2 (Dev)  
4x5



0.0015      0.0030  
ppb

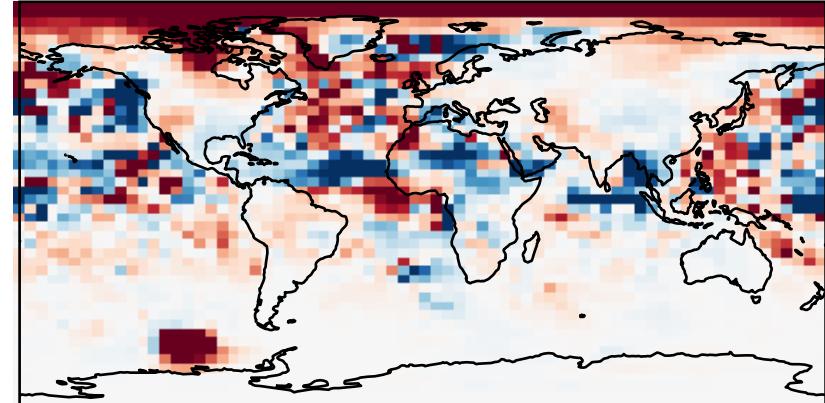
0.0015      0.0030  
ppb

Difference  
Dev - Ref, Dynamic Range



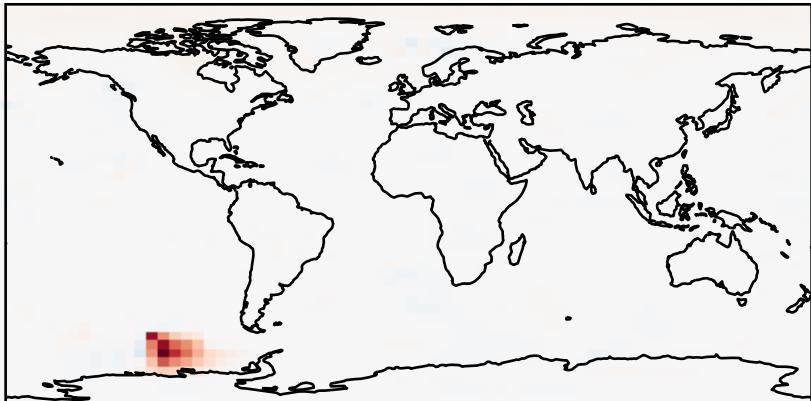
-8      0      8      1e-8  
ppb

Difference  
Dev - Ref, Restricted Range [5%,95%]



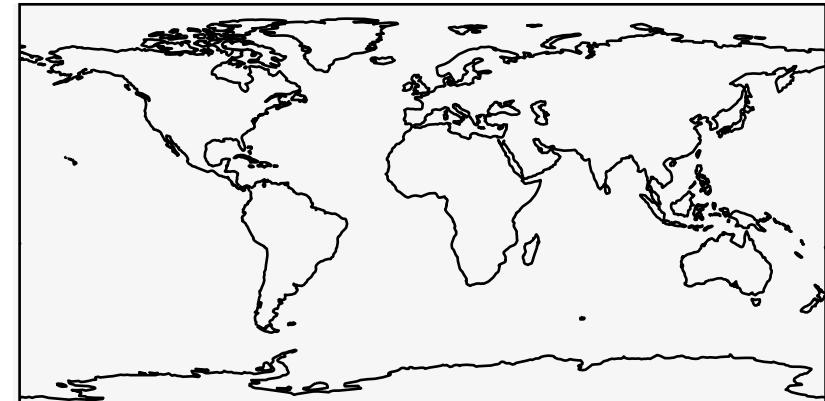
-5      0      5      1e-9  
ppb

Fractional Difference  
(Dev-Ref)/Ref, Dynamic Range



-0.0005      0.0000      0.0005  
unitless

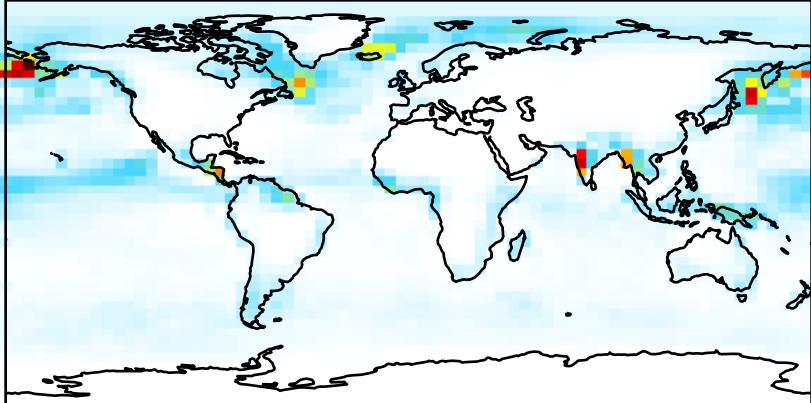
Fractional Difference  
(Dev-Ref)/Ref, Fixed Range



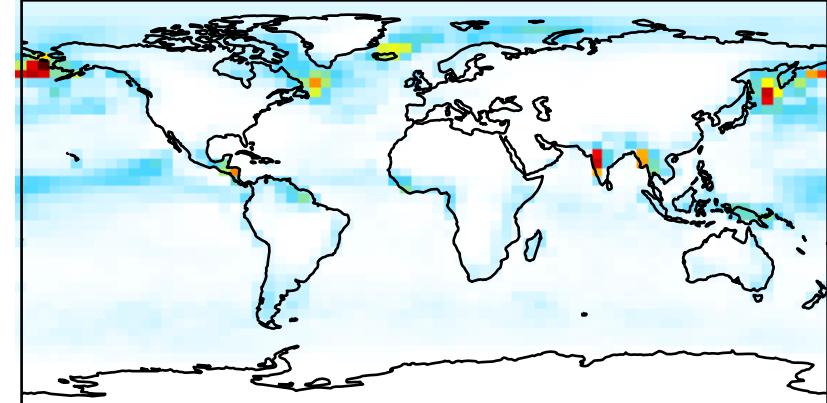
-2.0      -1.5      -1.0      -0.5      0.0      0.5      1.0      1.5      2.0  
unitless

# SpeciesConc\_BrSALA

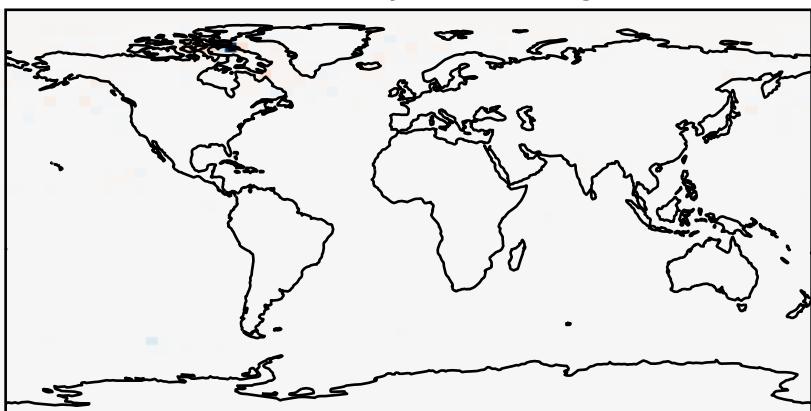
GC\_12.7.0-rc.1 (Ref)  
4x5



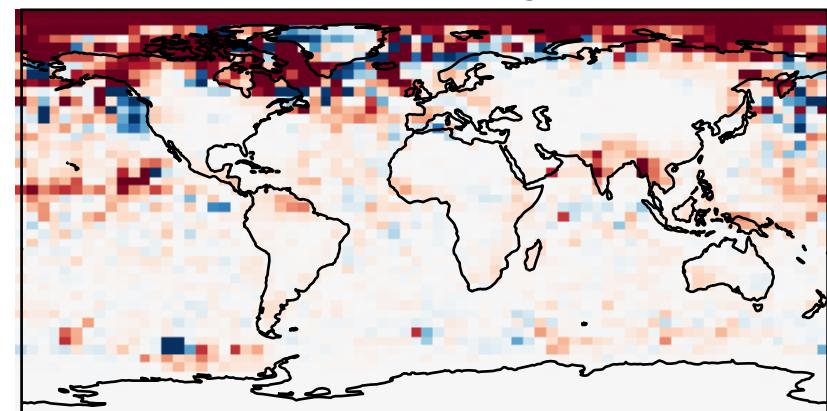
GC\_12.7.0-rc.2 (Dev)  
4x5



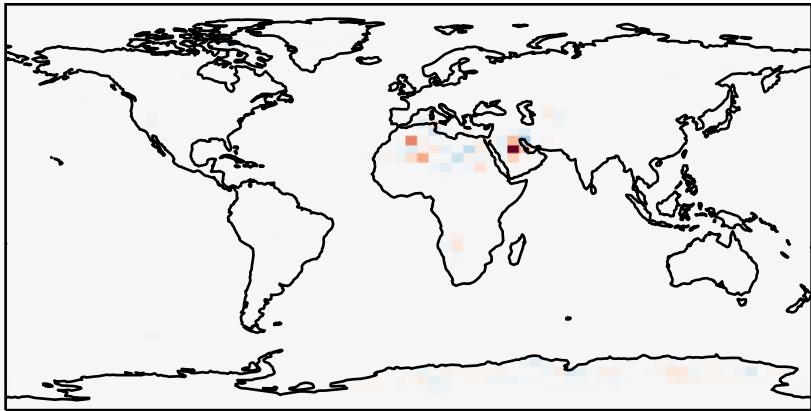
Difference  
Dev - Ref, Dynamic Range



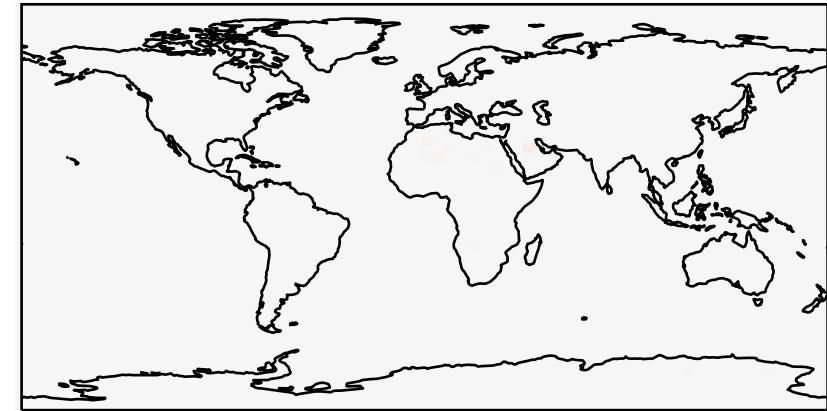
Difference  
Dev - Ref, Restricted Range [5%,95%]



Fractional Difference  
(Dev-Ref)/Ref, Dynamic Range

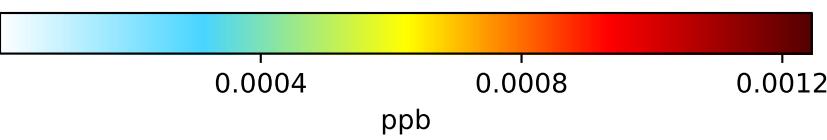
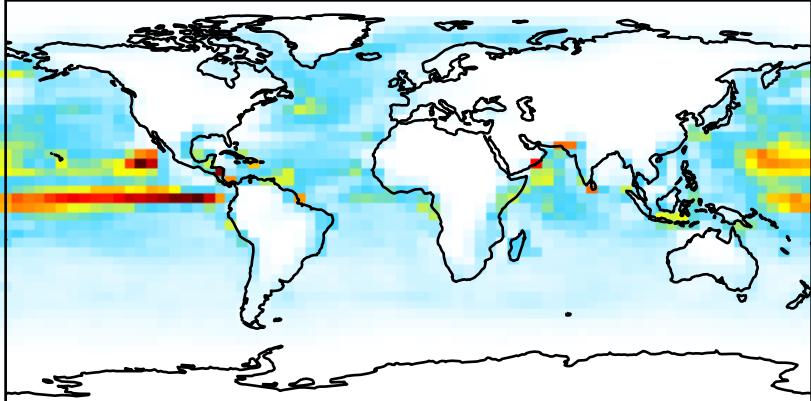


Fractional Difference  
(Dev-Ref)/Ref, Fixed Range

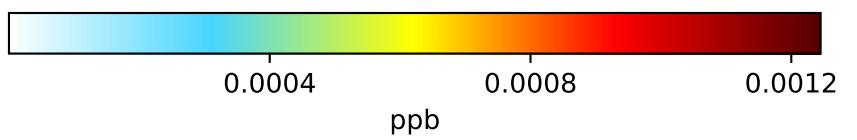
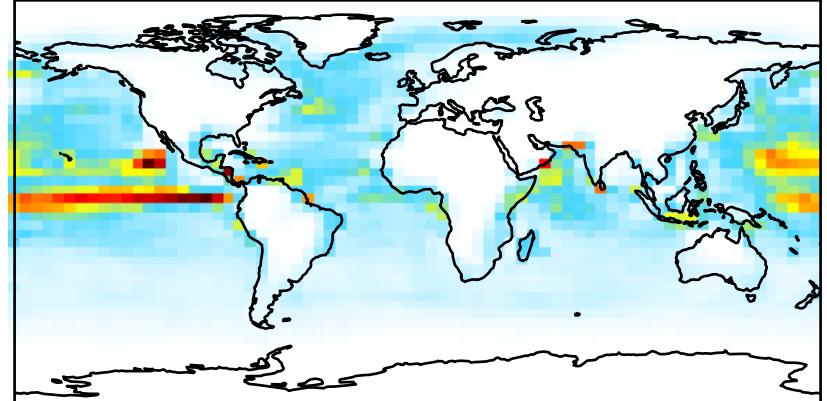


# SpeciesConc\_BrSALC

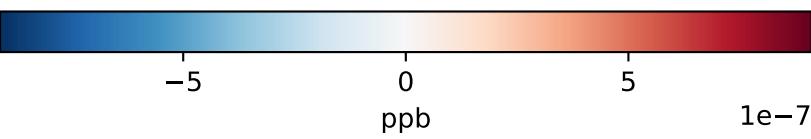
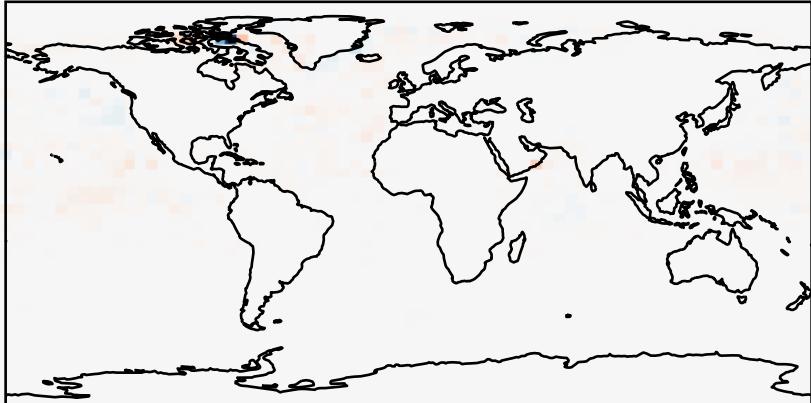
GC\_12.7.0-rc.1 (Ref)  
4x5



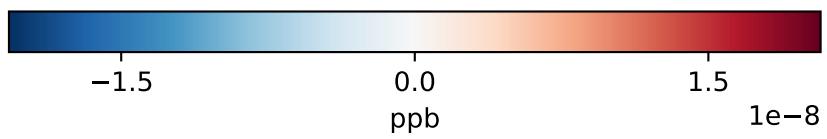
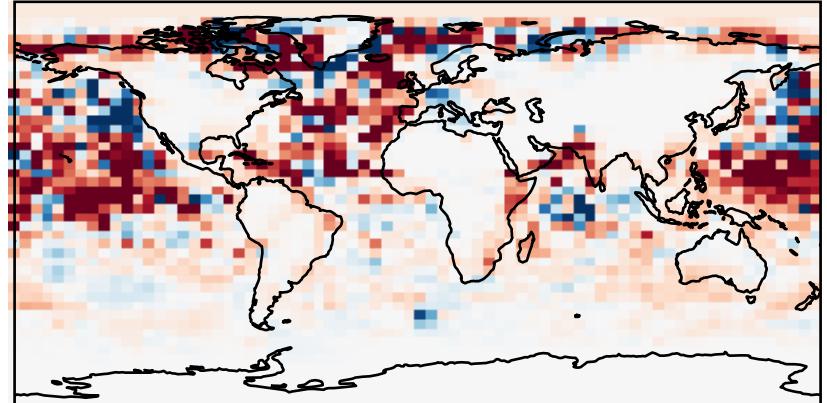
GC\_12.7.0-rc.2 (Dev)  
4x5



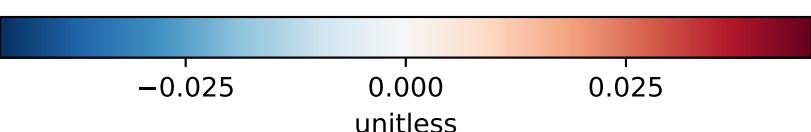
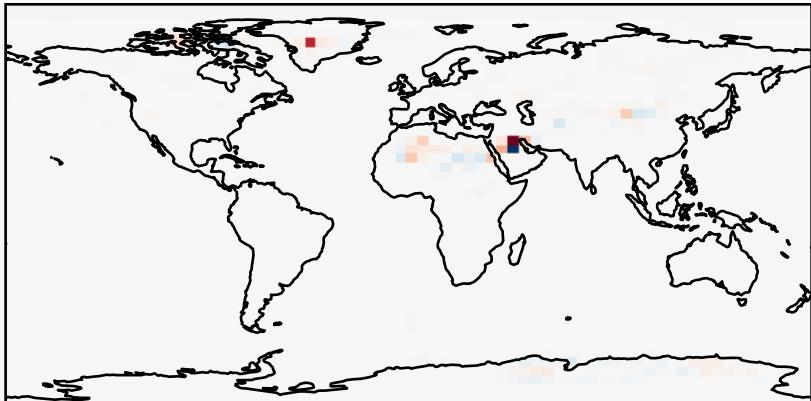
Difference  
Dev - Ref, Dynamic Range



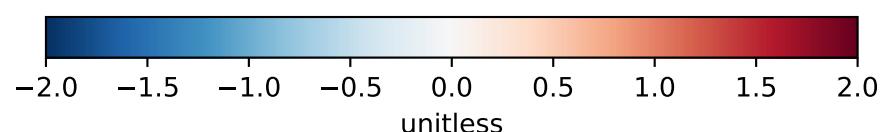
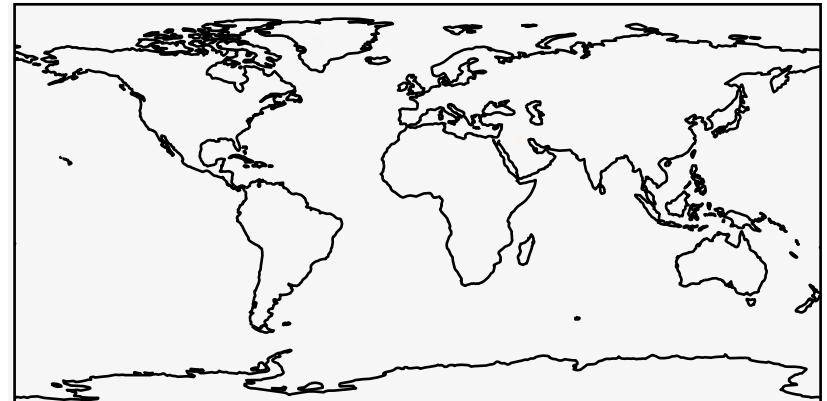
Difference  
Dev - Ref, Restricted Range [5%,95%]



Fractional Difference  
(Dev-Ref)/Ref, Dynamic Range

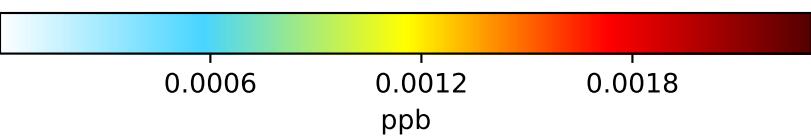
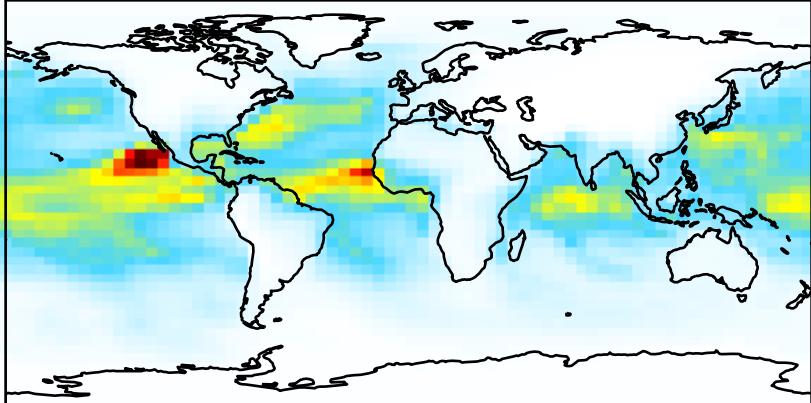


Fractional Difference  
(Dev-Ref)/Ref, Fixed Range

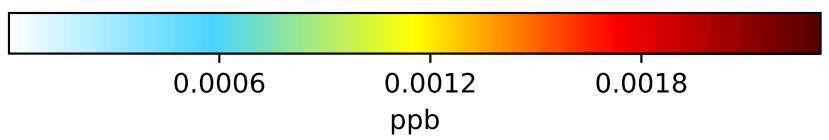
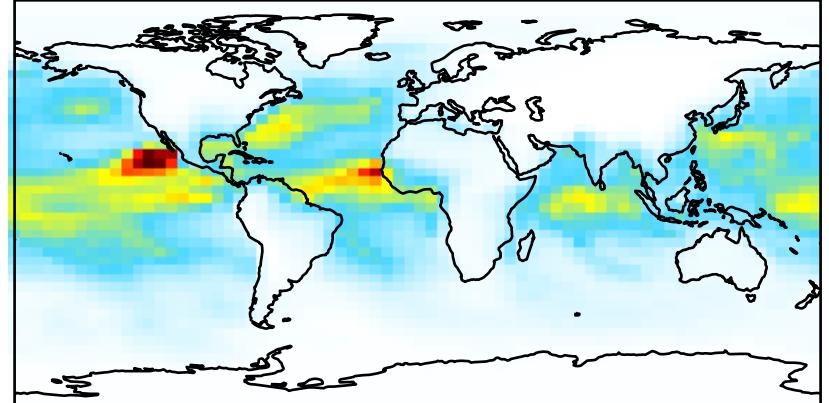


# SpeciesConc\_ISALA

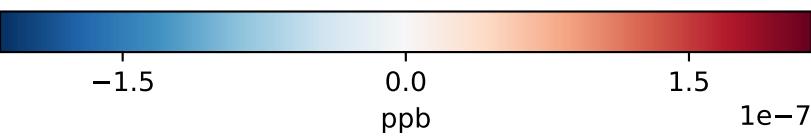
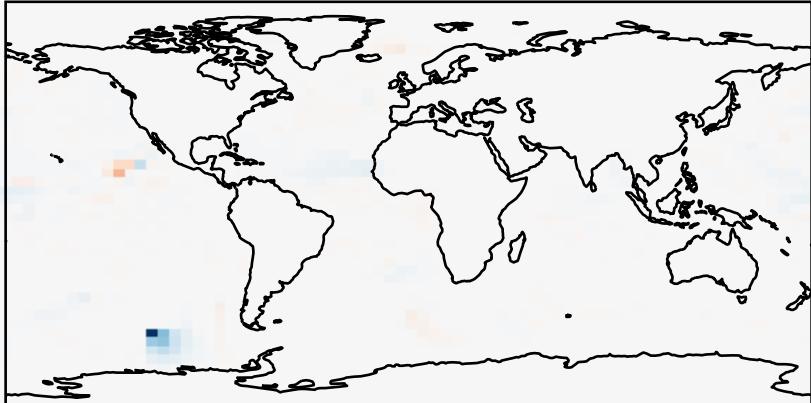
GC\_12.7.0-rc.1 (Ref)  
4x5



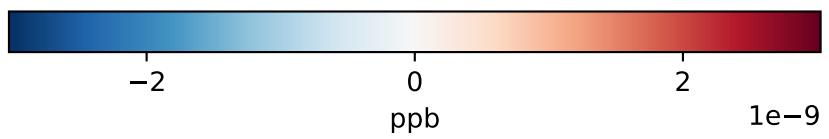
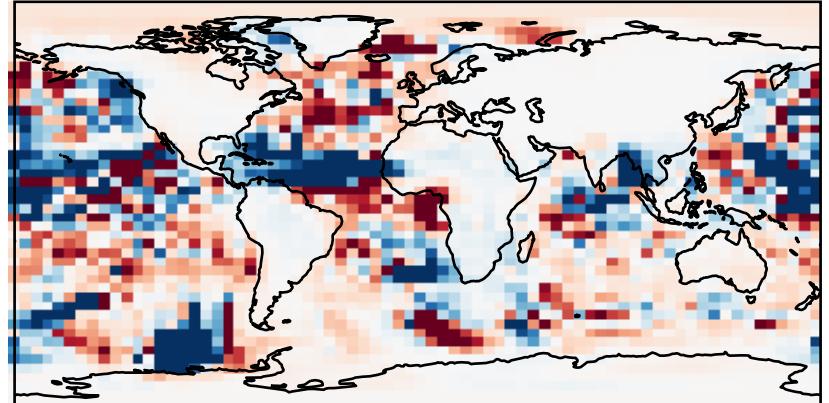
GC\_12.7.0-rc.2 (Dev)  
4x5



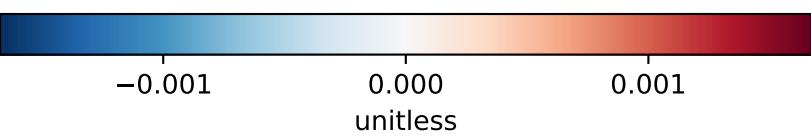
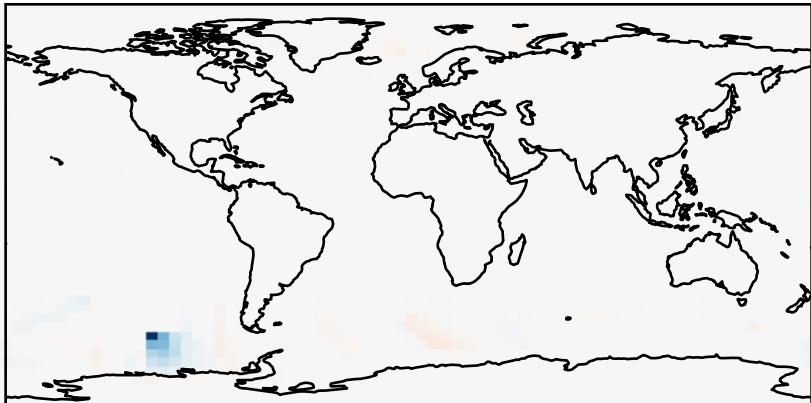
Difference  
Dev - Ref, Dynamic Range



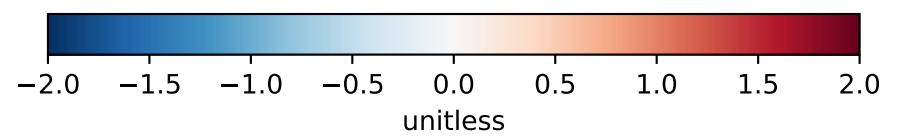
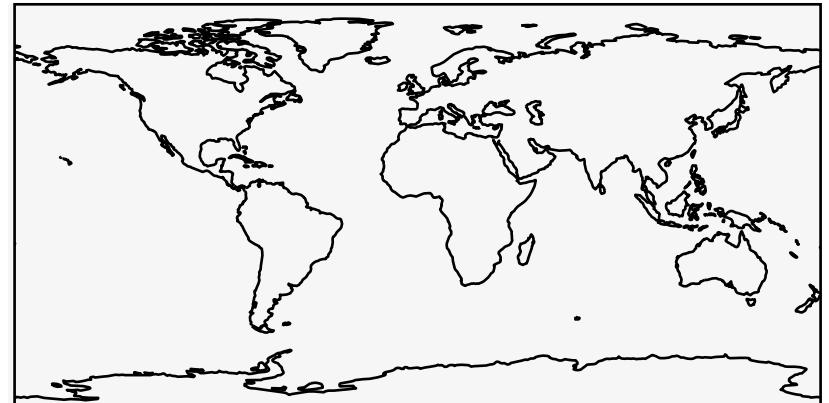
Difference  
Dev - Ref, Restricted Range [5%,95%]



Fractional Difference  
(Dev-Ref)/Ref, Dynamic Range

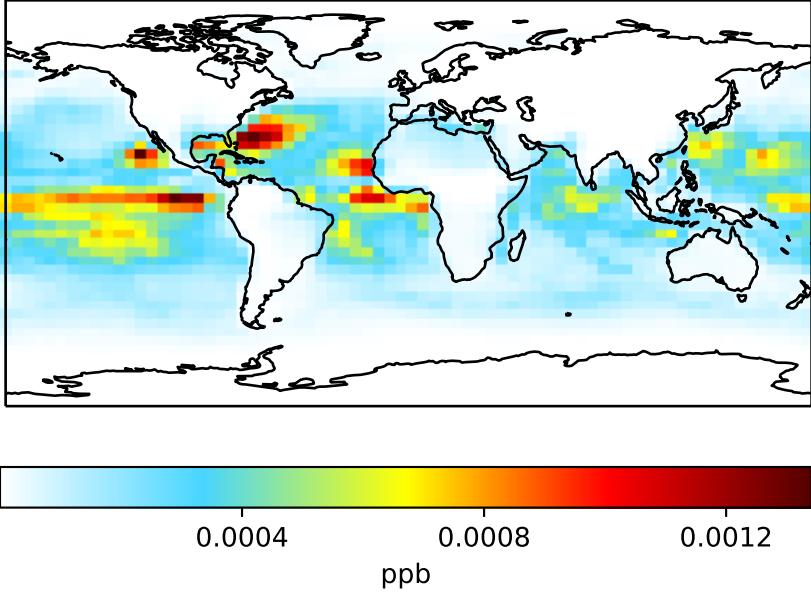


Fractional Difference  
(Dev-Ref)/Ref, Fixed Range

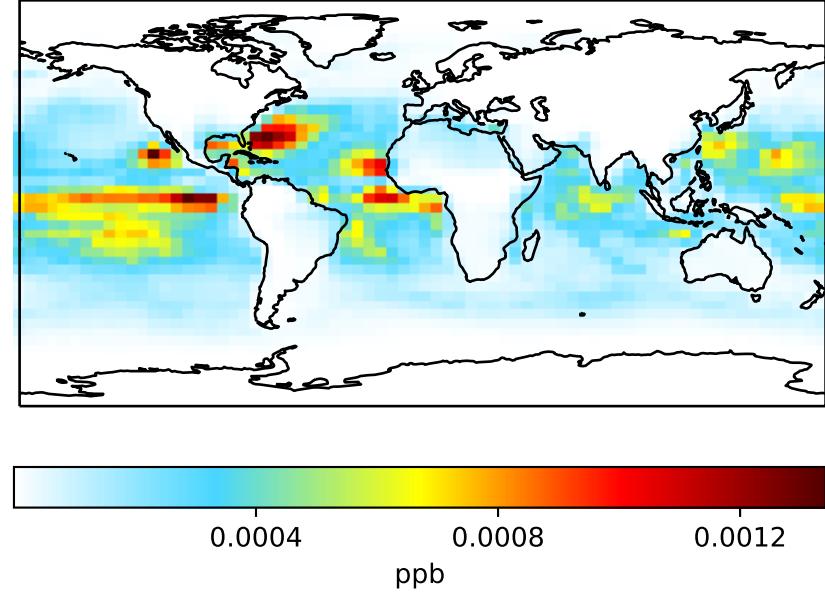


# SpeciesConc\_ISALC

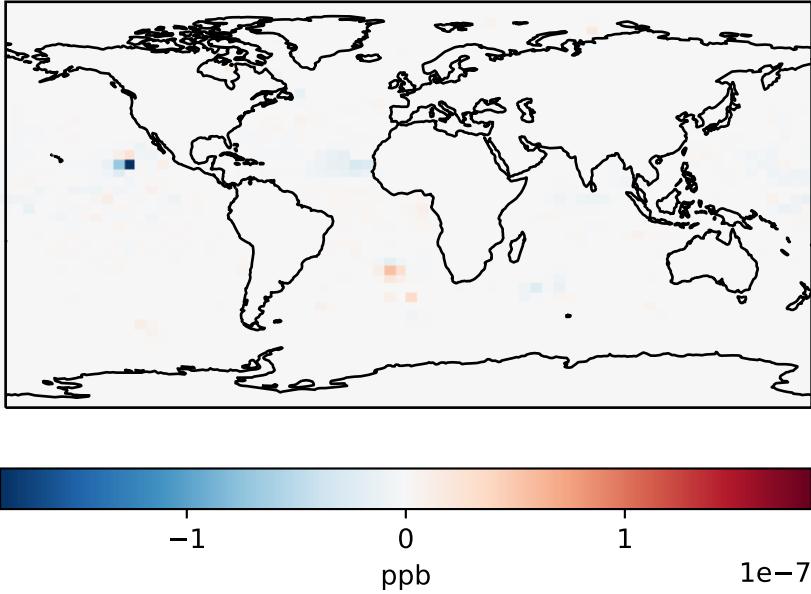
GC\_12.7.0-rc.1 (Ref)  
4x5



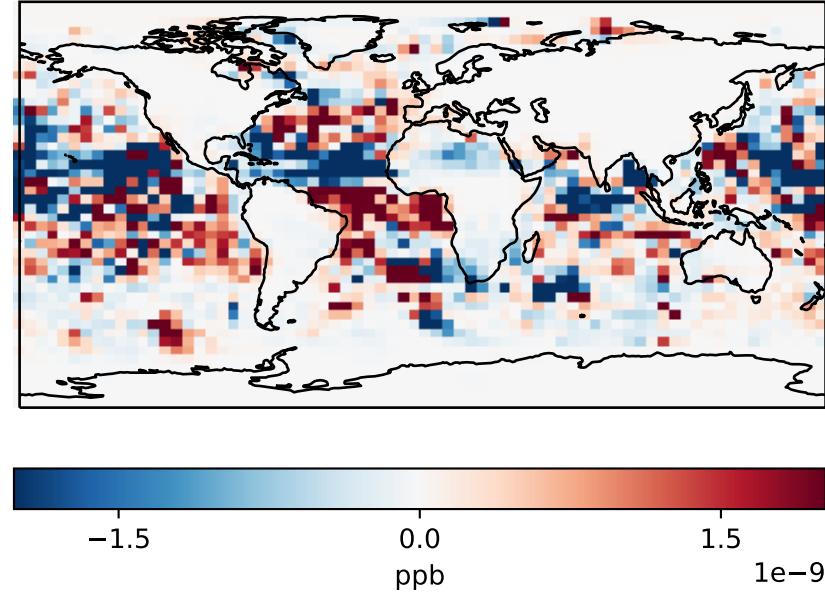
GC\_12.7.0-rc.2 (Dev)  
4x5



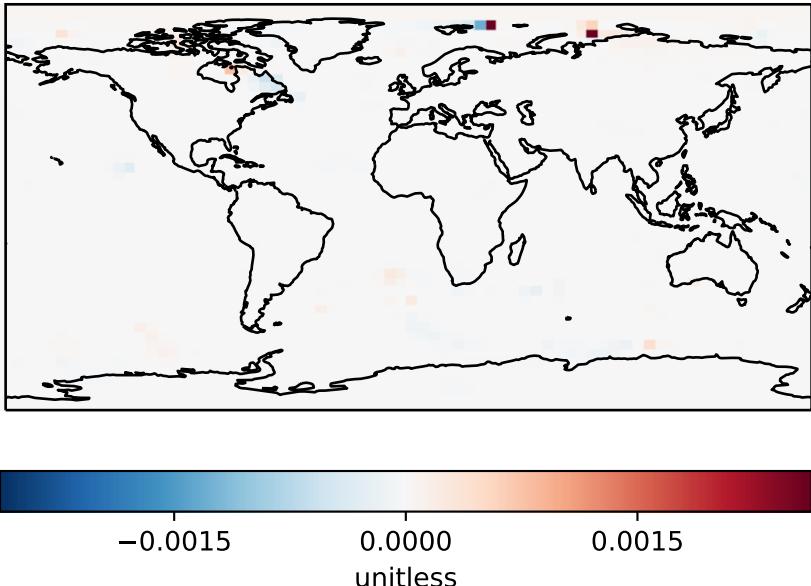
Difference  
Dev - Ref, Dynamic Range



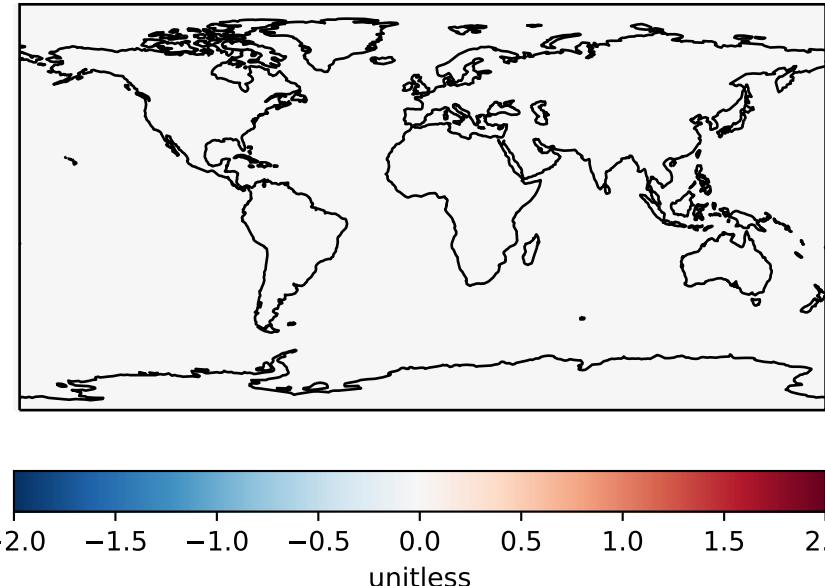
Difference  
Dev - Ref, Restricted Range [5%,95%]



Fractional Difference  
(Dev-Ref)/Ref, Dynamic Range

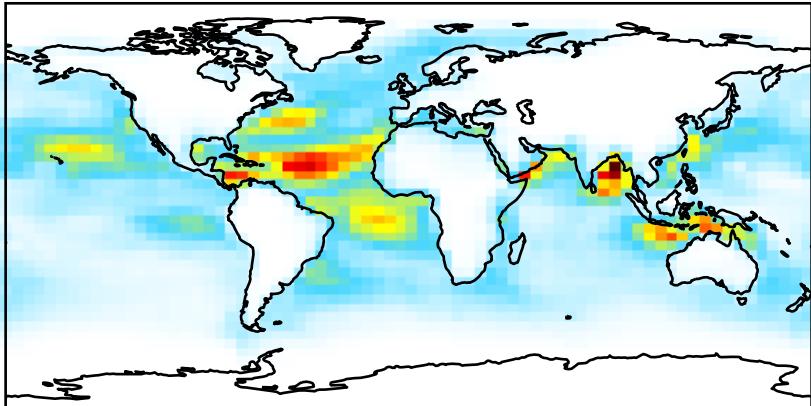


Fractional Difference  
(Dev-Ref)/Ref, Fixed Range

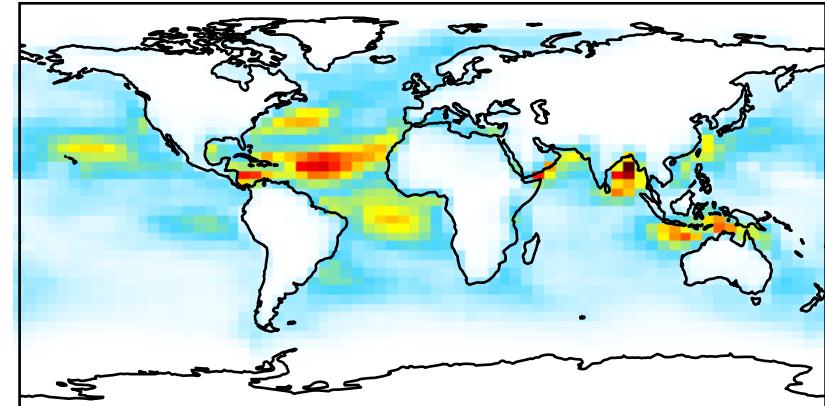


# SpeciesConc\_NITs

GC\_12.7.0-rc.1 (Ref)  
4x5



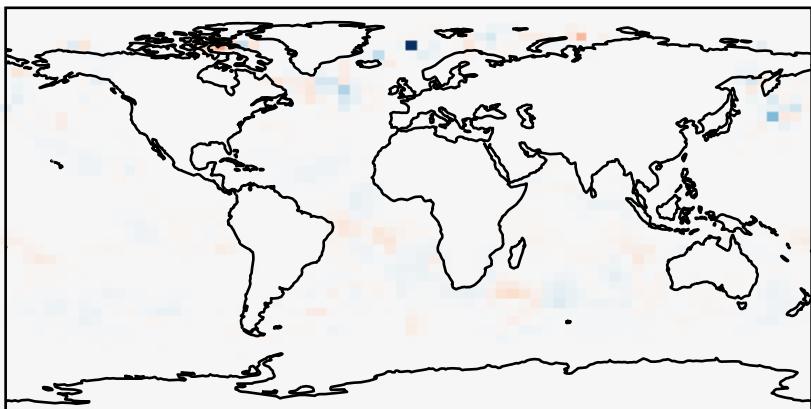
GC\_12.7.0-rc.2 (Dev)  
4x5



0.008      0.016      0.024  
ppb

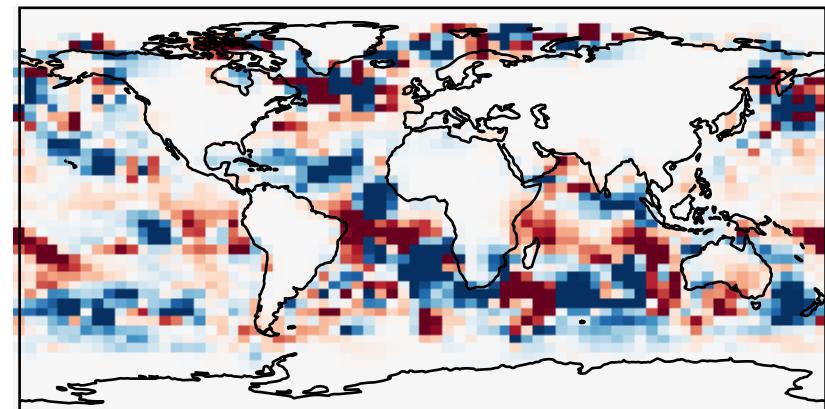
0.008      0.016      0.024  
ppb

Difference  
Dev - Ref, Dynamic Range



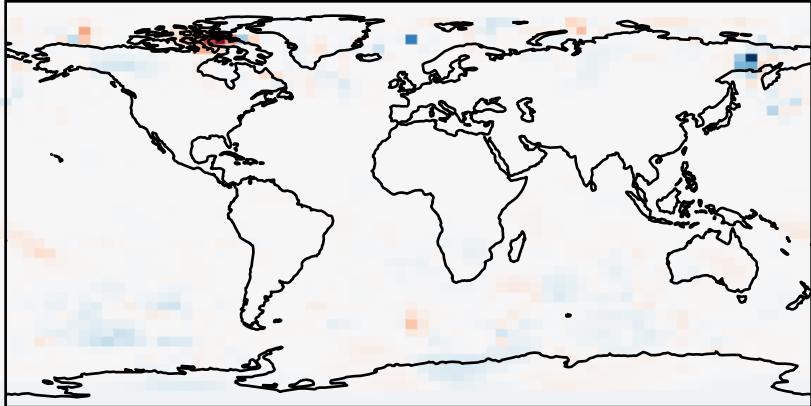
-0.000001    0.000000    0.000001  
ppb

Difference  
Dev - Ref, Restricted Range [5%,95%]



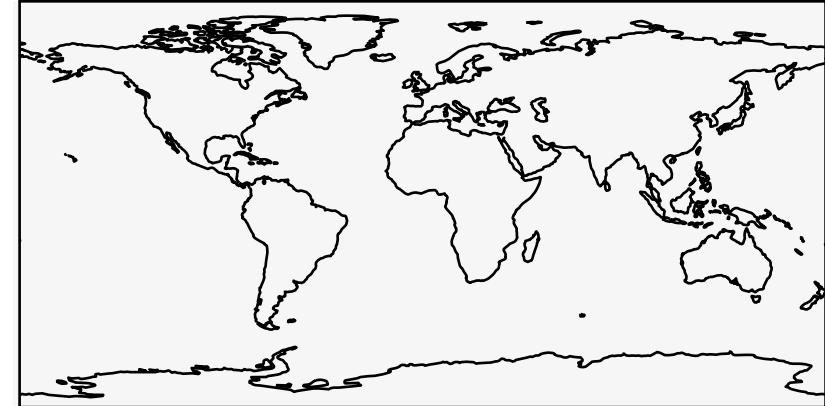
-3    0    3    1e-8  
ppb

Fractional Difference  
(Dev-Ref)/Ref, Dynamic Range



-0.0004    0.0000    0.0004  
unitless

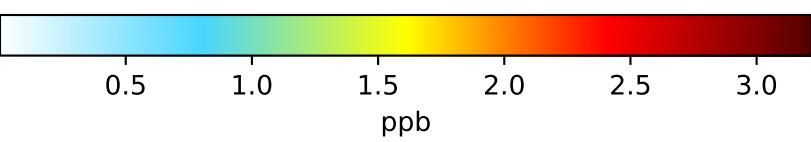
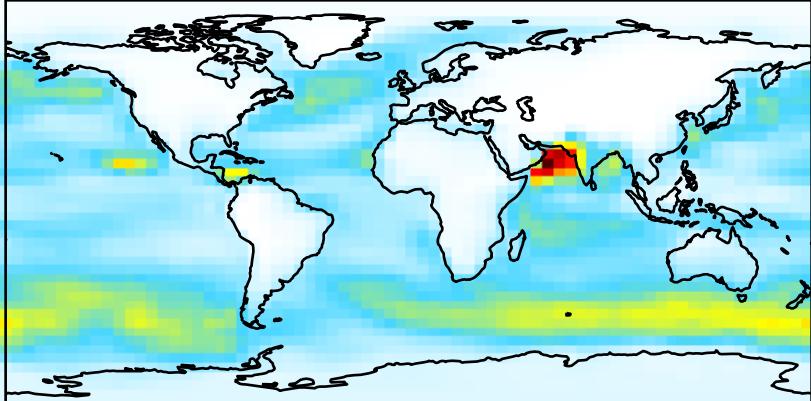
Fractional Difference  
(Dev-Ref)/Ref, Fixed Range



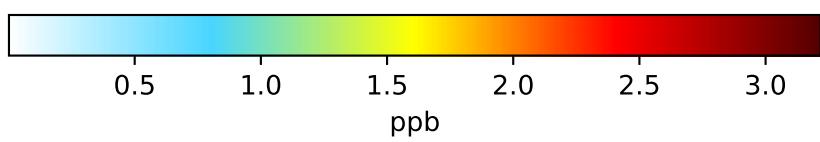
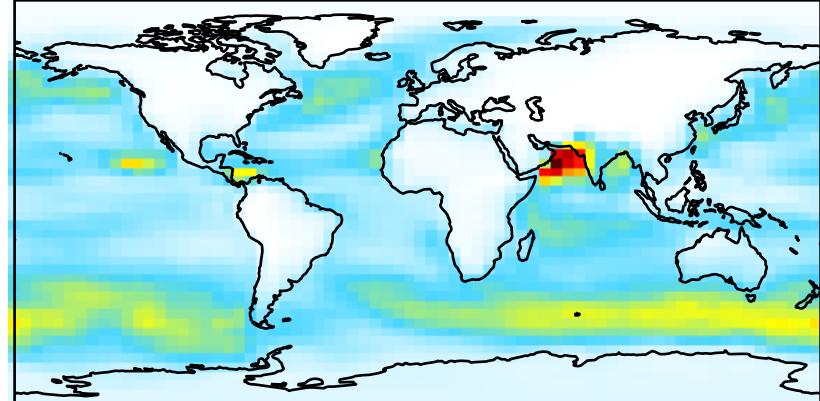
-2.0    -1.5    -1.0    -0.5    0.0    0.5    1.0    1.5    2.0  
unitless

# SpeciesConc\_SALA

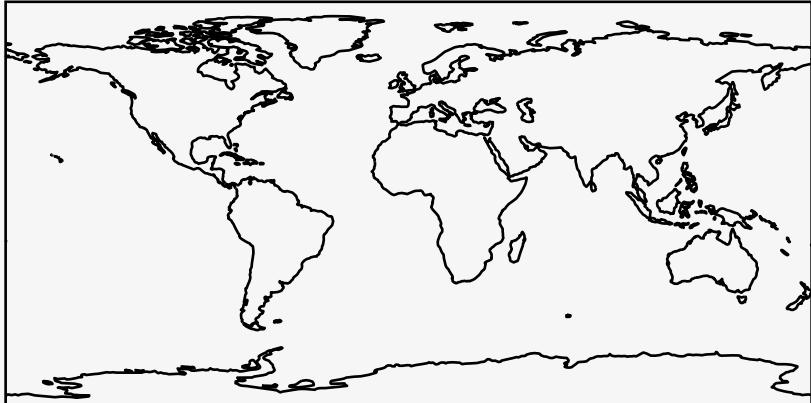
GC\_12.7.0-rc.1 (Ref)  
4x5



GC\_12.7.0-rc.2 (Dev)  
4x5

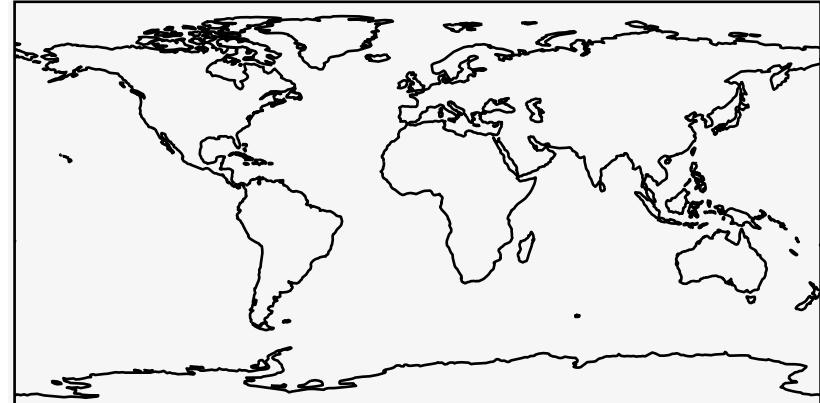


Difference  
Dev - Ref, Dynamic Range



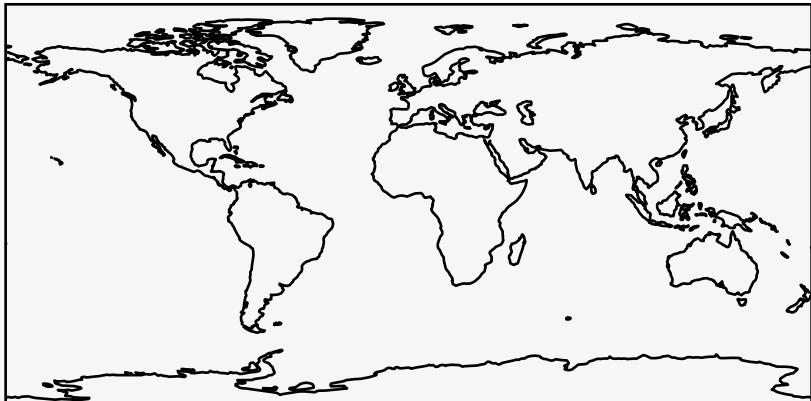
Zero throughout domain  
ppb

Difference  
Dev - Ref, Restricted Range [5%,95%]



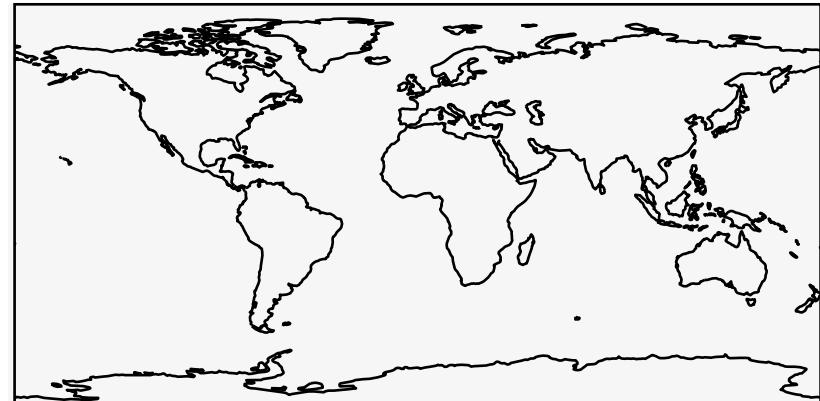
Zero throughout domain  
ppb

Fractional Difference  
(Dev-Ref)/Ref, Dynamic Range



Zero throughout domain  
unitless

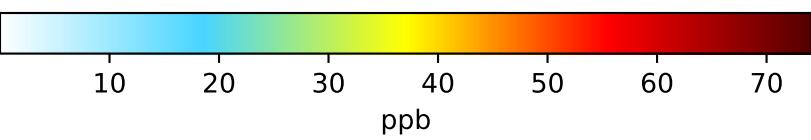
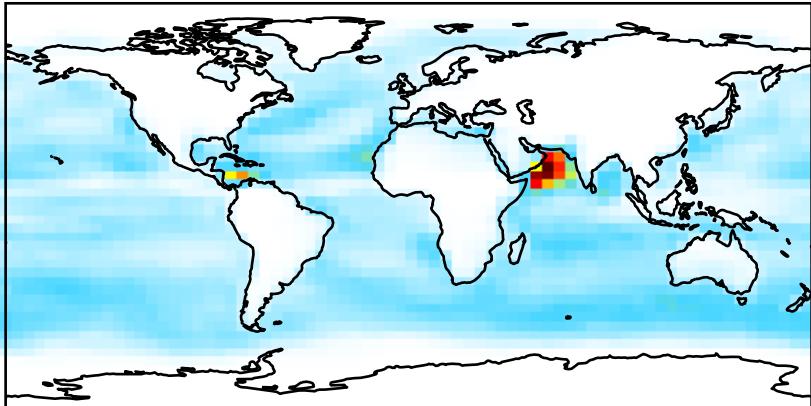
Fractional Difference  
(Dev-Ref)/Ref, Fixed Range



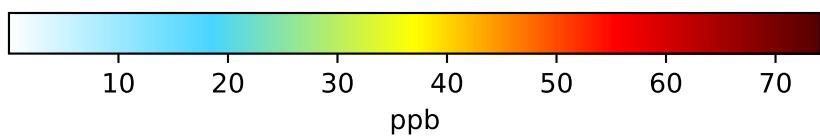
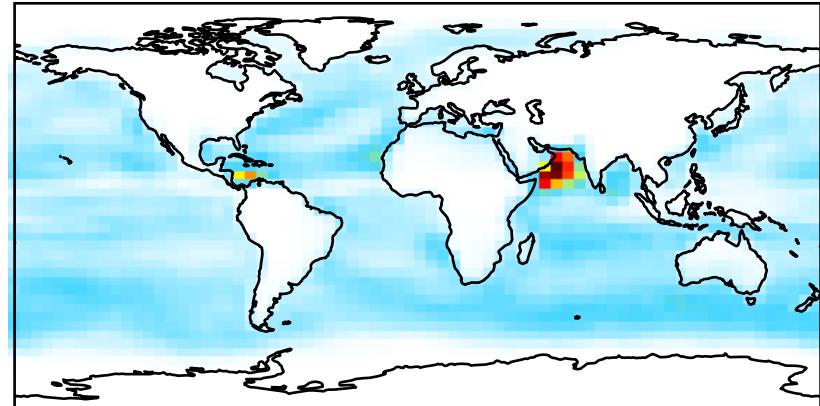
Zero throughout domain  
unitless

# SpeciesConc\_SALC

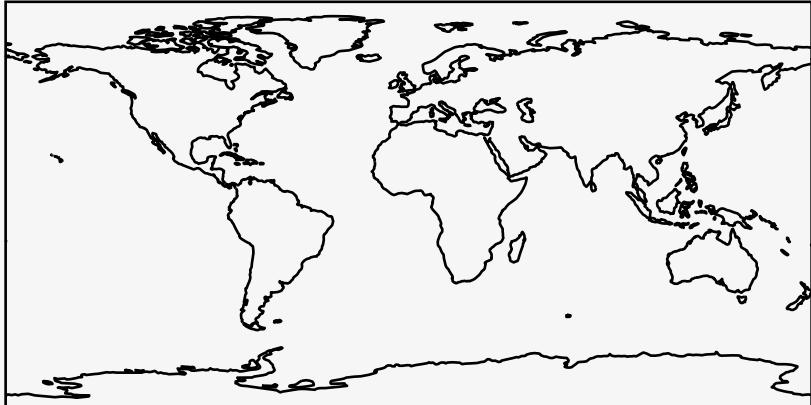
GC\_12.7.0-rc.1 (Ref)  
4x5



GC\_12.7.0-rc.2 (Dev)  
4x5

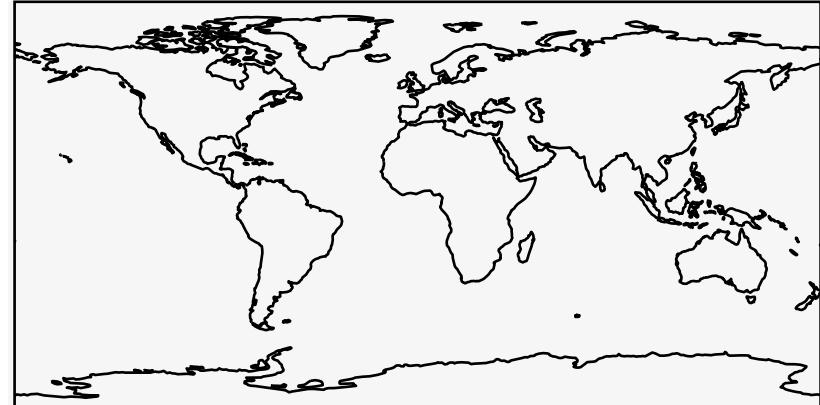


Difference  
Dev - Ref, Dynamic Range



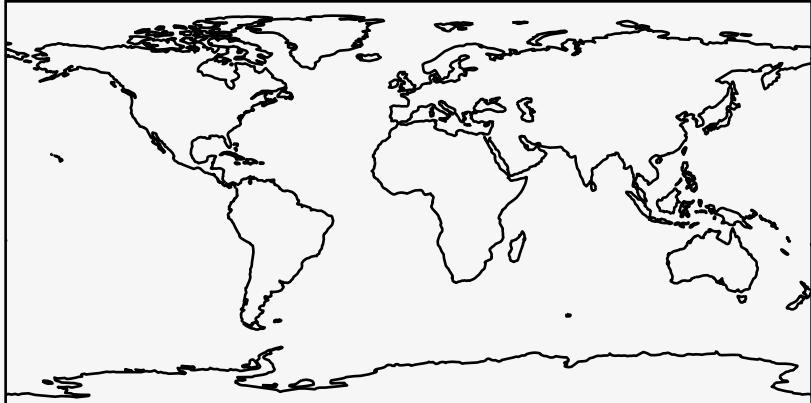
Zero throughout domain  
ppb

Difference  
Dev - Ref, Restricted Range [5%,95%]



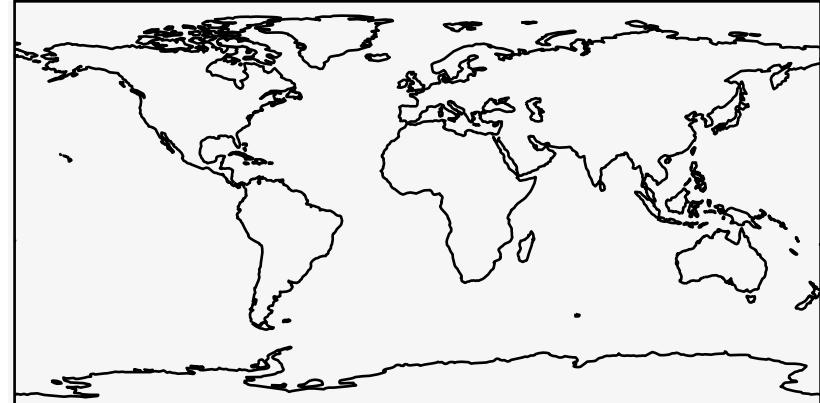
Zero throughout domain  
ppb

Fractional Difference  
(Dev-Ref)/Ref, Dynamic Range



Zero throughout domain  
unitless

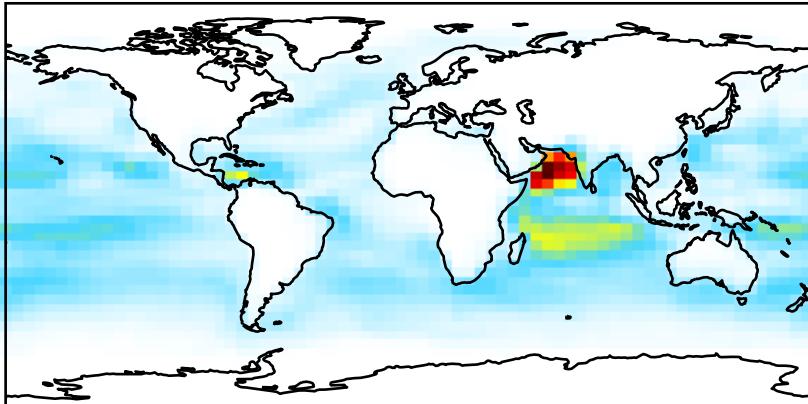
Fractional Difference  
(Dev-Ref)/Ref, Fixed Range



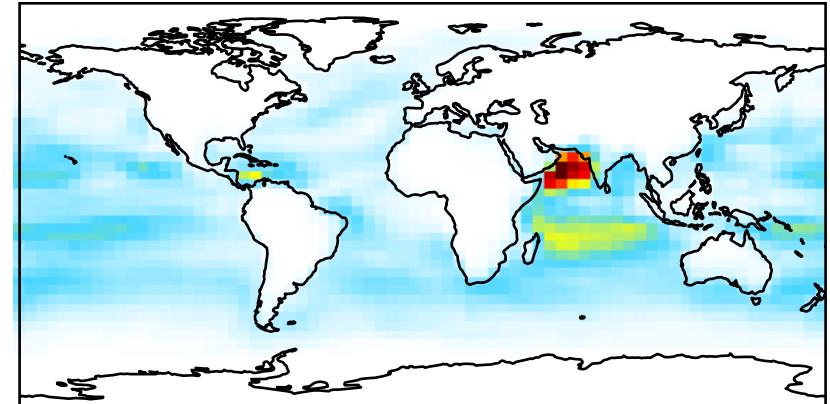
Zero throughout domain  
unitless

# SpeciesConc\_SO4s

GC\_12.7.0-rc.1 (Ref)  
4x5



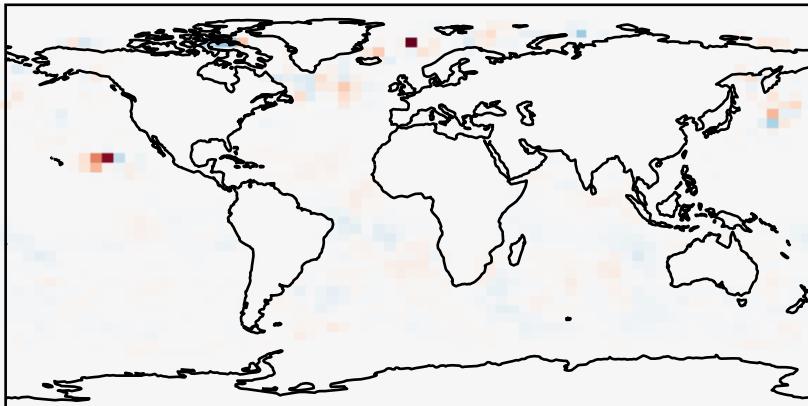
GC\_12.7.0-rc.2 (Dev)  
4x5



0.015    0.030    0.045  
ppb

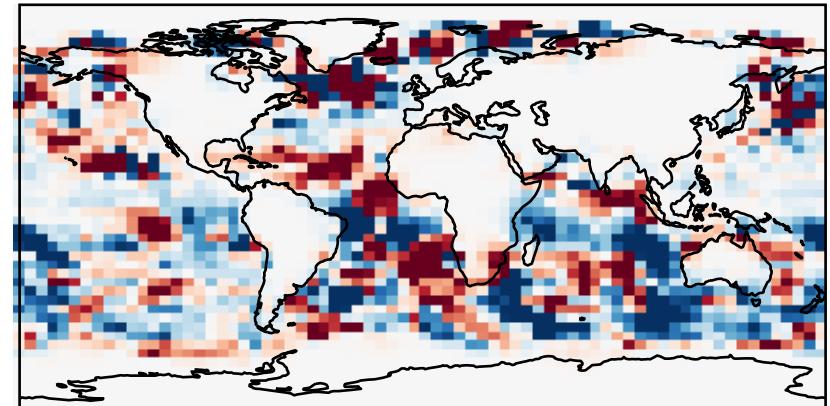
0.015    0.030    0.045  
ppb

Difference  
Dev - Ref, Dynamic Range



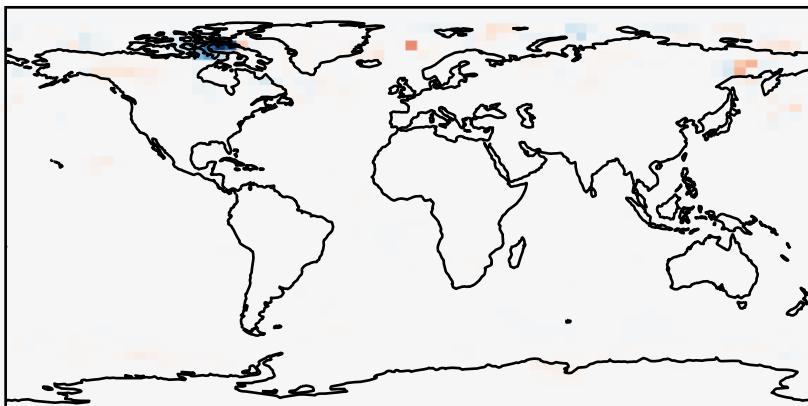
-5    0    5    1e-7  
ppb

Difference  
Dev - Ref, Restricted Range [5%,95%]



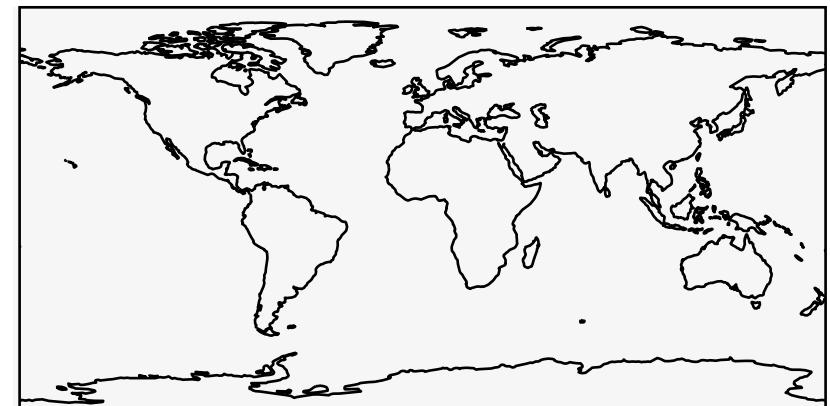
-1.5    0.0    1.5    1e-8  
ppb

Fractional Difference  
(Dev-Ref)/Ref, Dynamic Range



-0.0008    0.0000    0.0008  
unitless

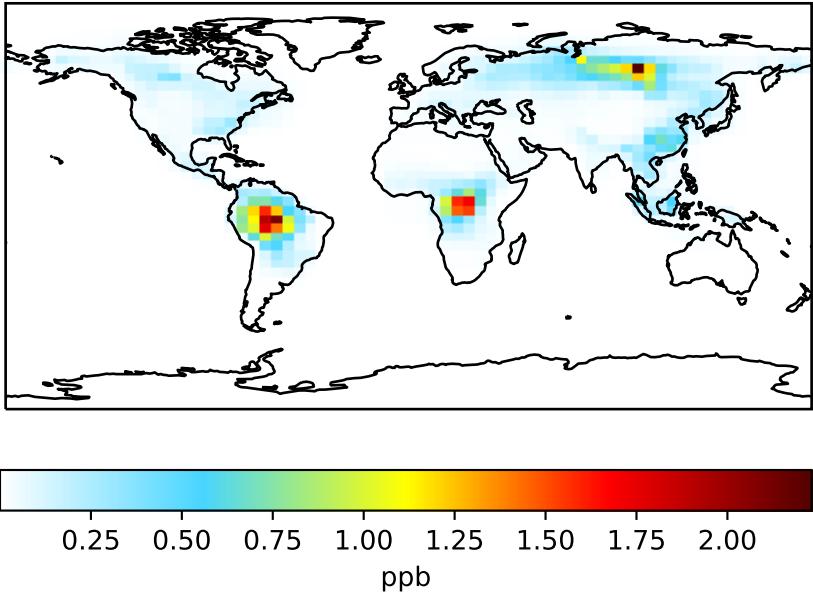
Fractional Difference  
(Dev-Ref)/Ref, Fixed Range



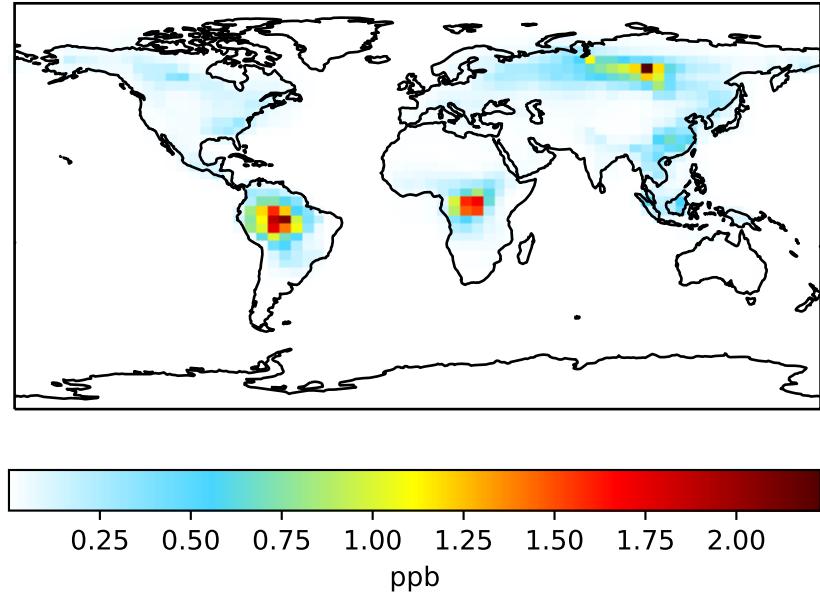
-2.0    -1.5    -1.0    -0.5    0.0    0.5    1.0    1.5    2.0  
unitless

# SpeciesConc\_Complex\_SOA

GC\_12.7.0-rc.1 (Ref)  
4x5



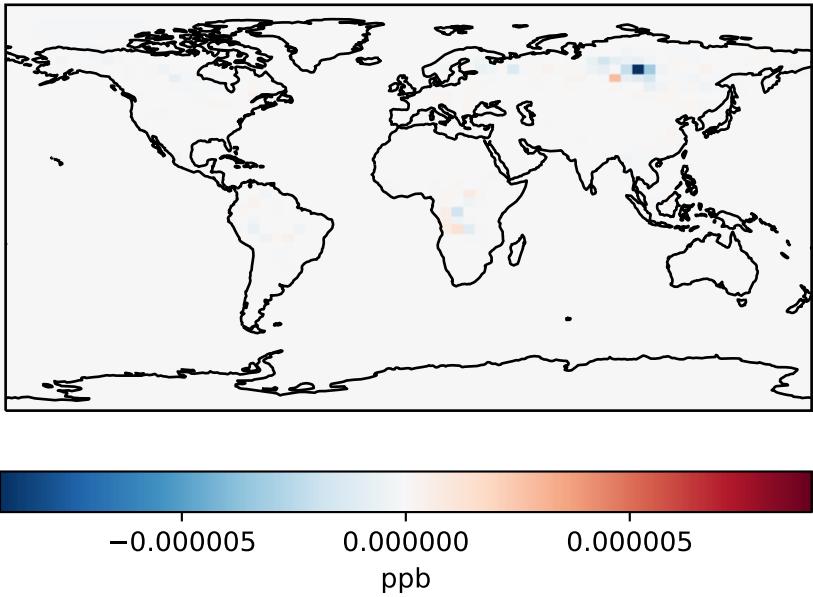
GC\_12.7.0-rc.2 (Dev)  
4x5



0.25 0.50 0.75 1.00 1.25 1.50 1.75 2.00  
ppb

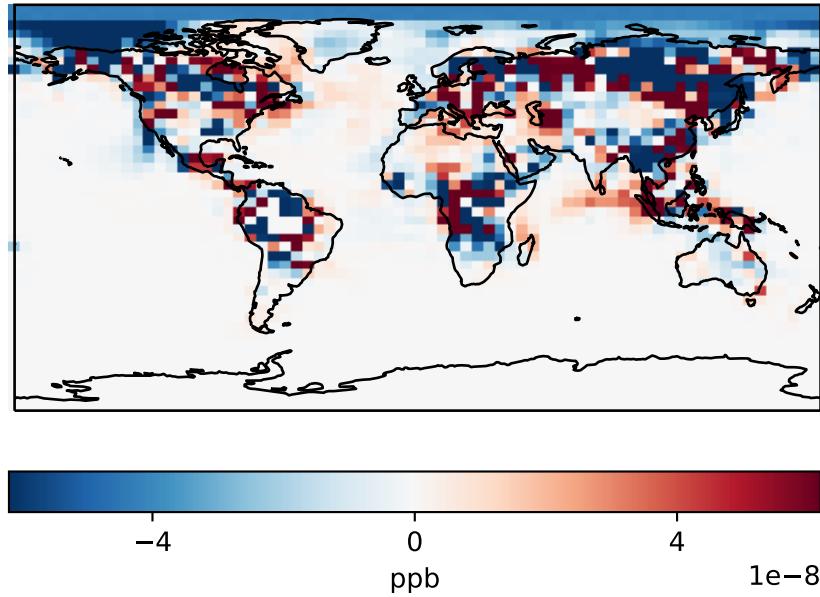
0.25 0.50 0.75 1.00 1.25 1.50 1.75 2.00  
ppb

Difference  
Dev - Ref, Dynamic Range



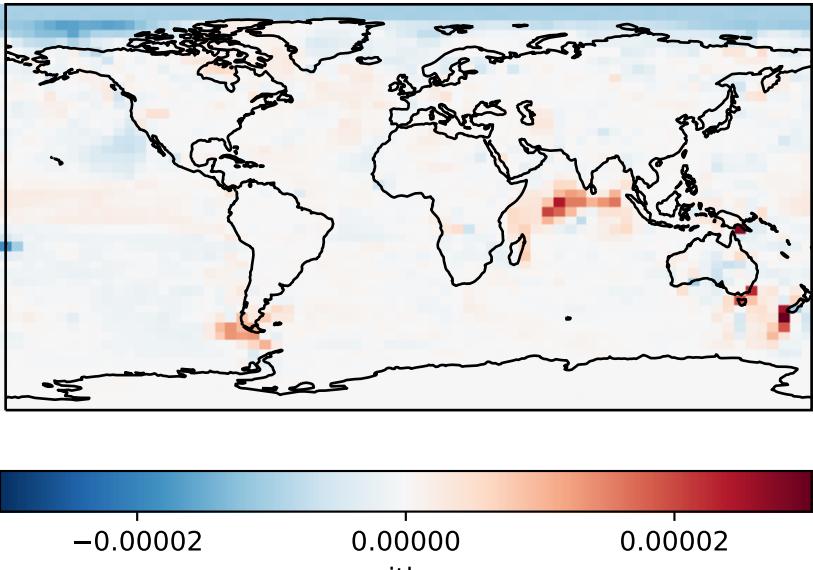
-0.000005 0.000000 0.000005  
ppb

Difference  
Dev - Ref, Restricted Range [5%,95%]



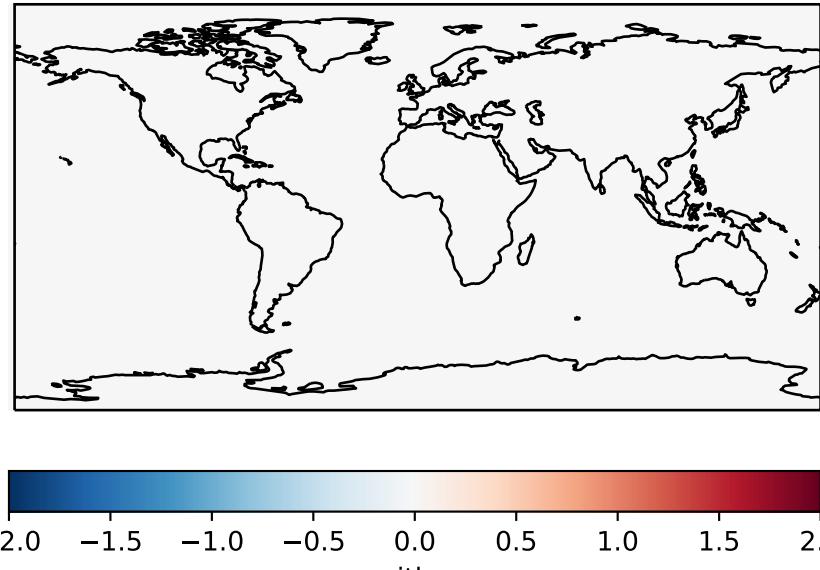
-4 0 4  
ppb  
1e-8

Fractional Difference  
(Dev-Ref)/Ref, Dynamic Range



-0.00002 0.00000 0.00002  
unitless

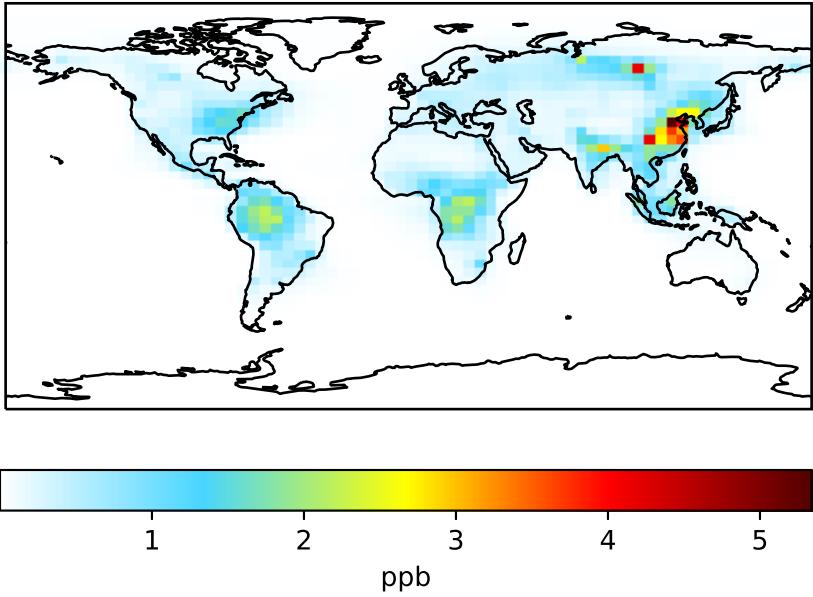
Fractional Difference  
(Dev-Ref)/Ref, Fixed Range



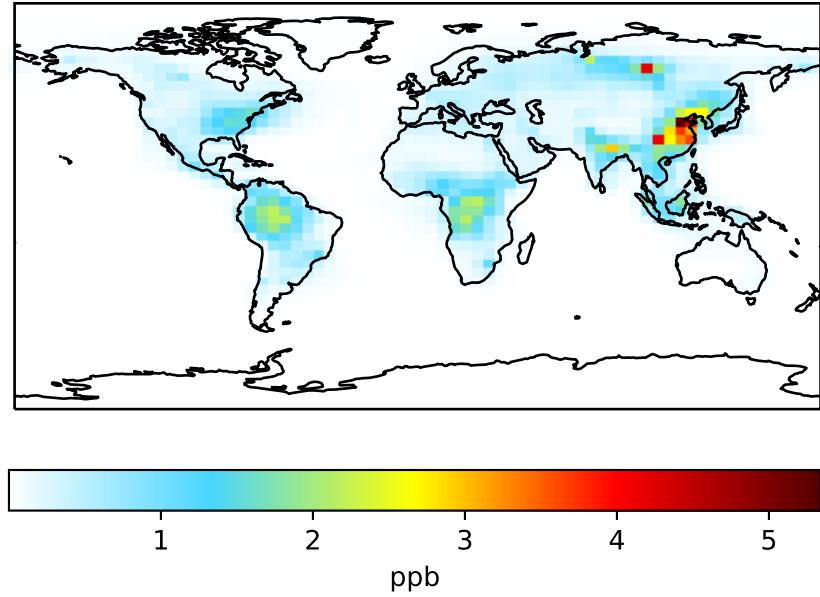
-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0 1.5 2.0  
unitless

# SpeciesConc\_Simple\_SOA

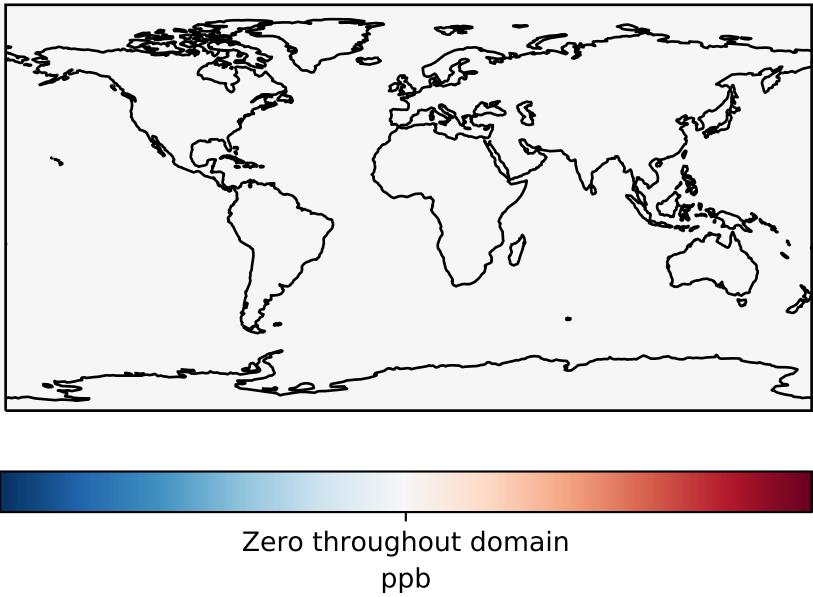
GC\_12.7.0-rc.1 (Ref)  
4x5



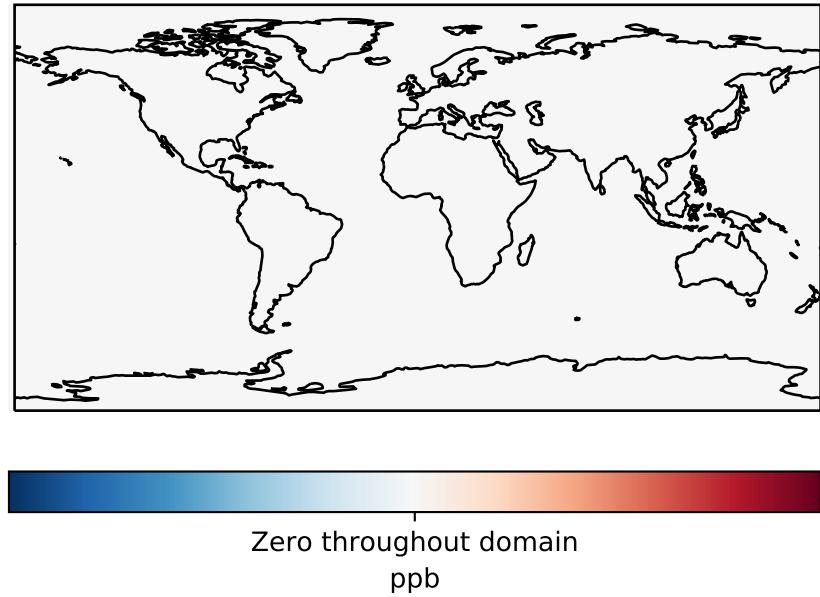
GC\_12.7.0-rc.2 (Dev)  
4x5



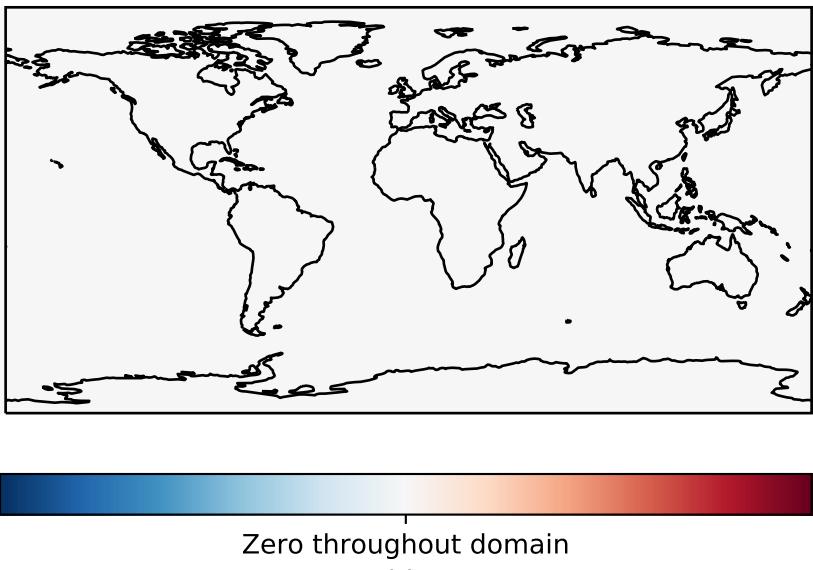
Difference  
Dev - Ref, Dynamic Range



Difference  
Dev - Ref, Restricted Range [5%,95%]



Fractional Difference  
(Dev-Ref)/Ref, Dynamic Range



Fractional Difference  
(Dev-Ref)/Ref, Fixed Range

