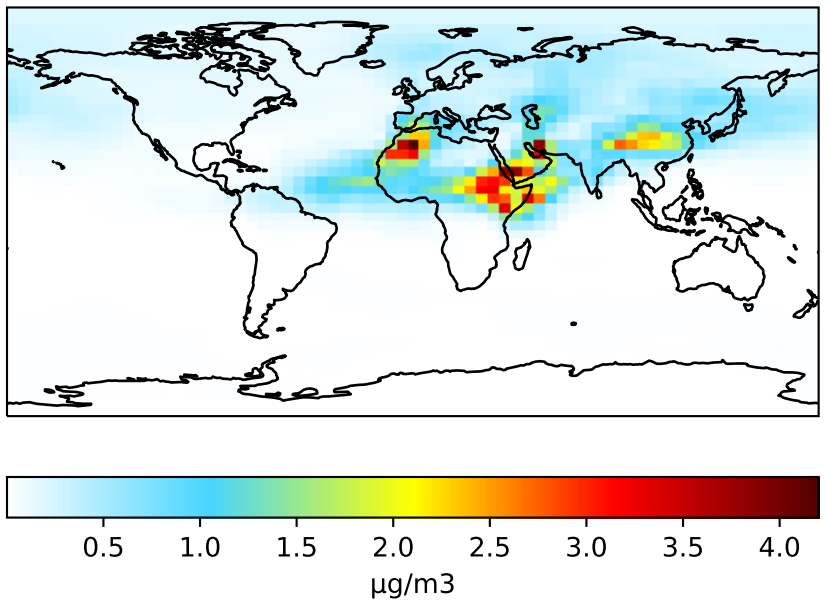
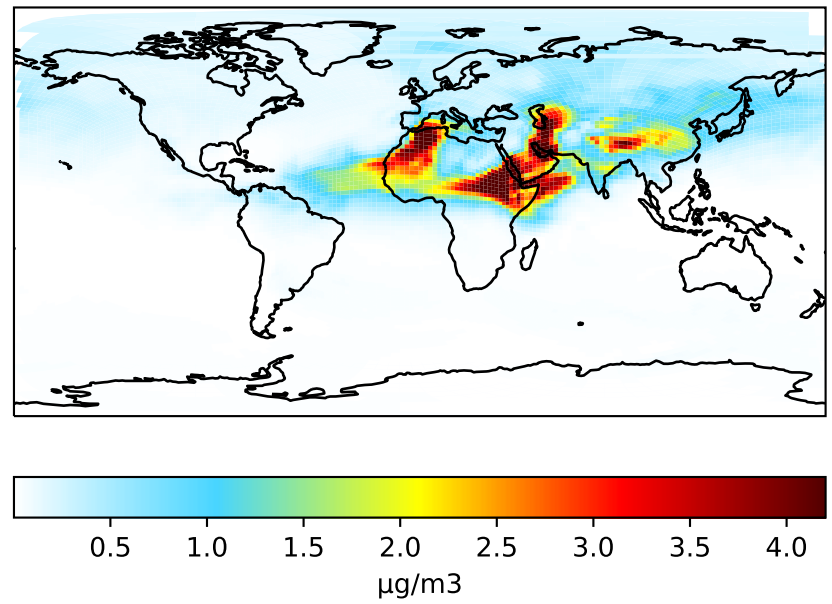
SpeciesConc_DST1

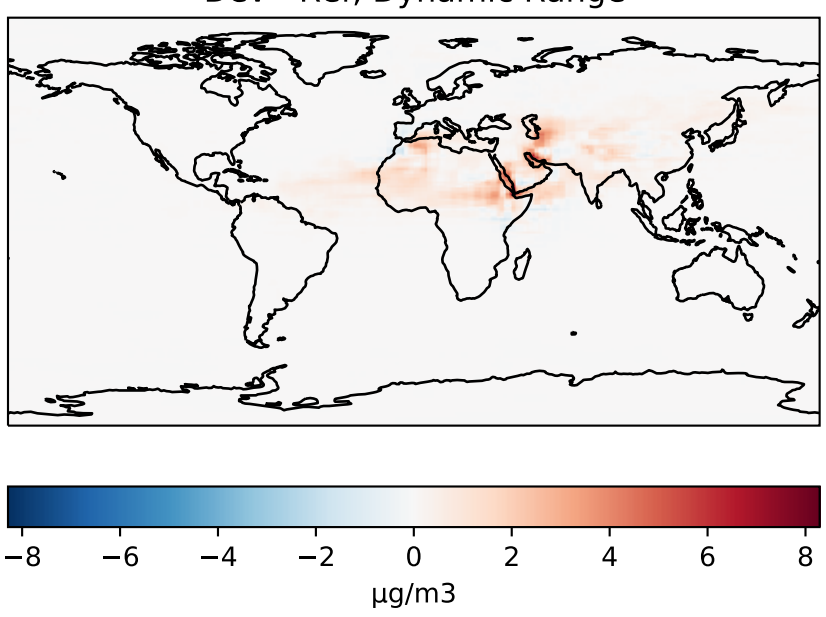
GCC_13.1.0-beta.1 (Ref)
4.0x5.0



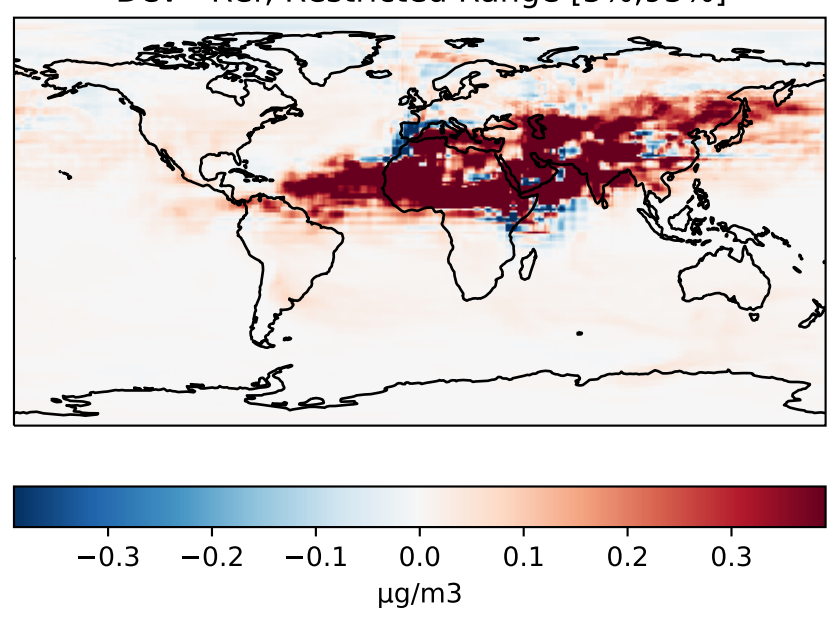
GCHP_13.1.0-beta.1 (Dev)
c48



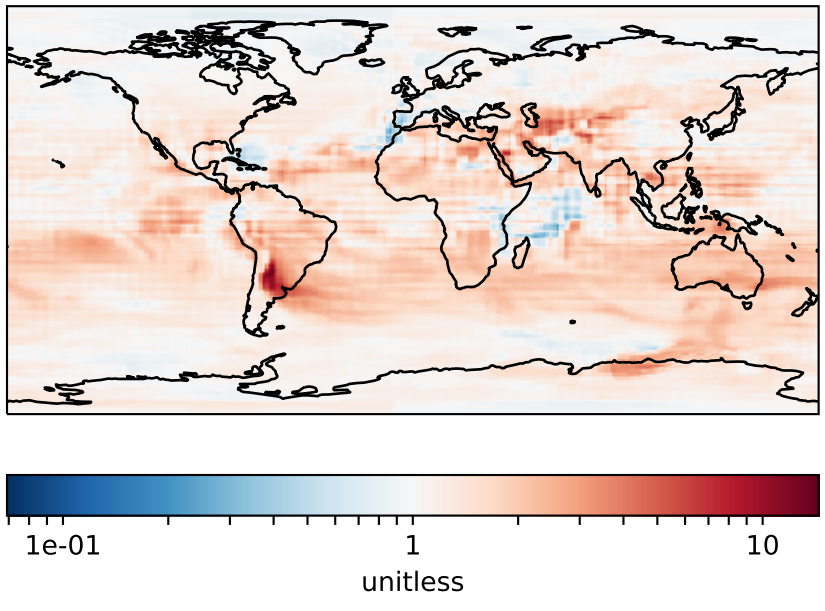
Difference (1x1.25)
Dev - Ref, Dynamic Range



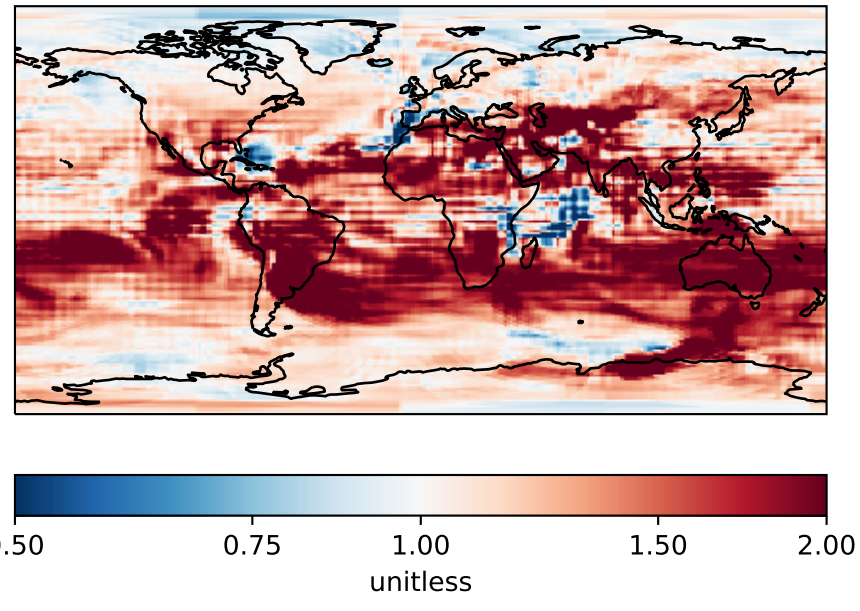
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)
Dev/Ref, Dynamic Range

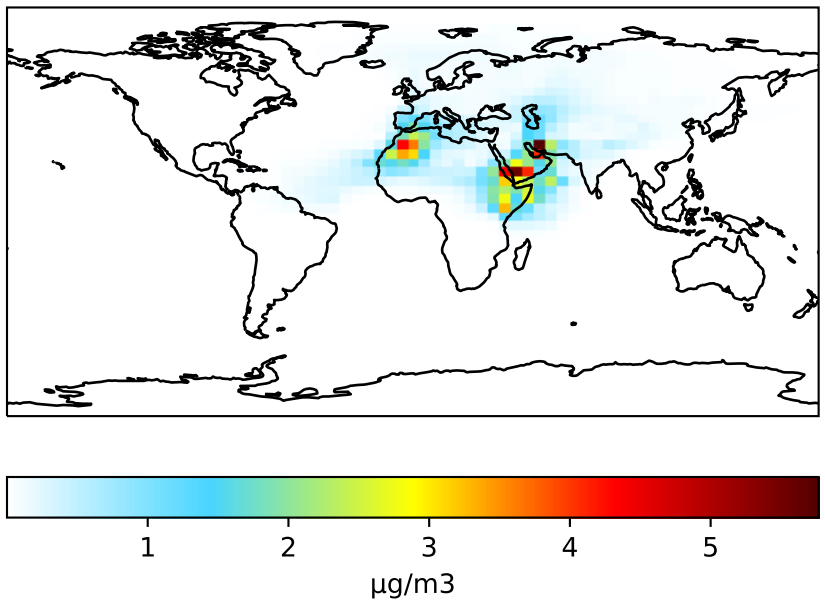


Ratio (1x1.25)
Dev/Ref, Fixed Range

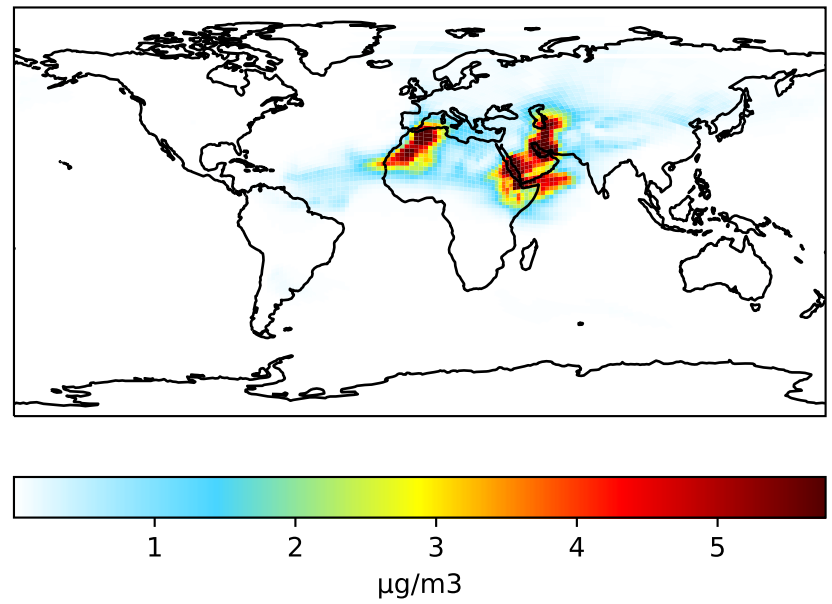


SpeciesConc_DST2

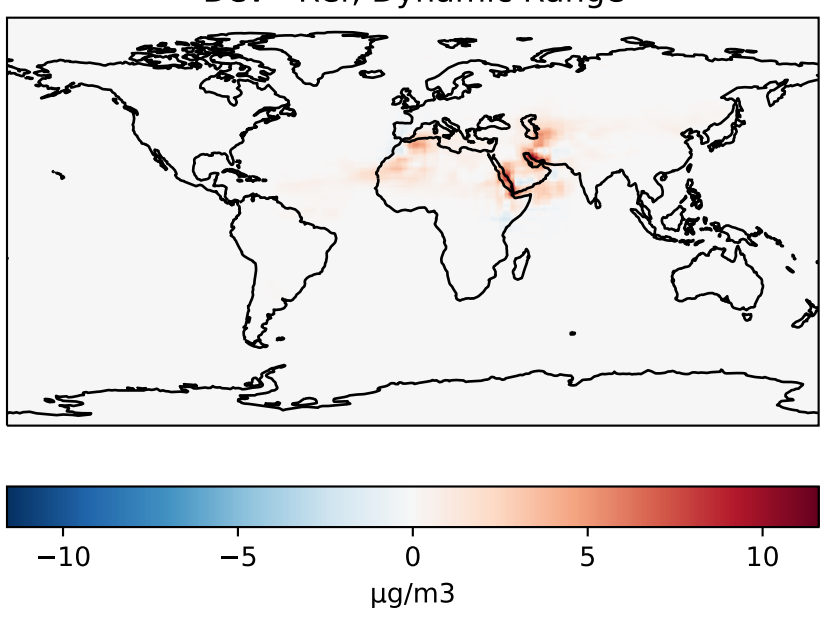
GCC_13.1.0-beta.1 (Ref)
4.0x5.0



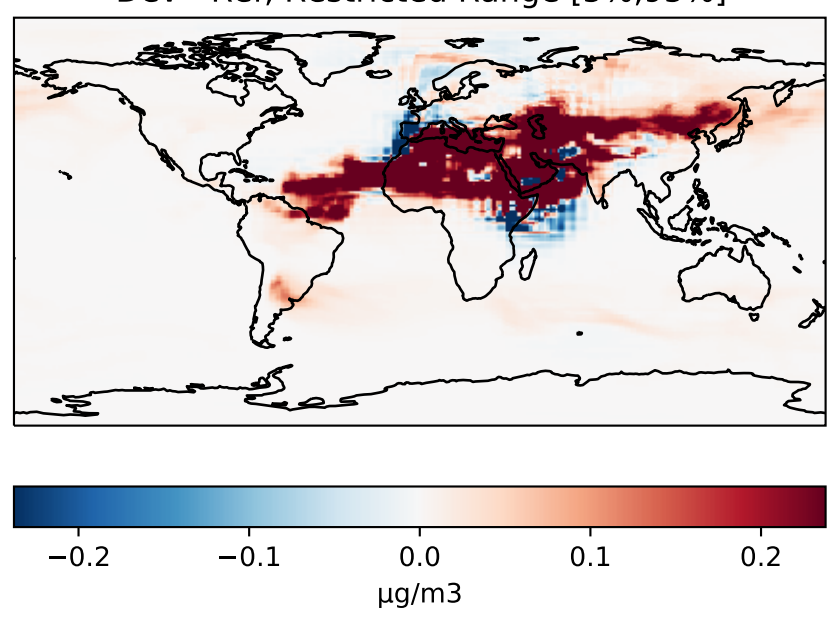
GCHP_13.1.0-beta.1 (Dev)
c48



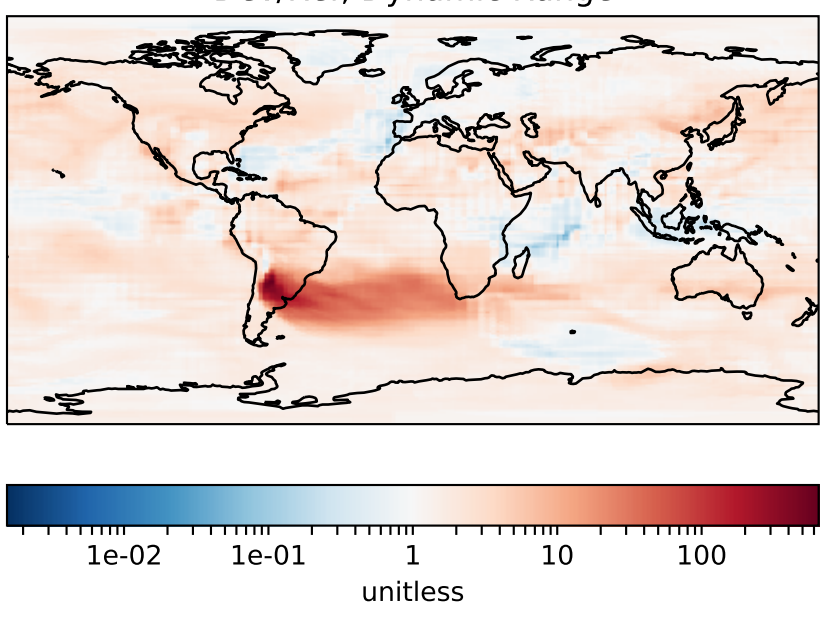
Difference (1x1.25)
Dev - Ref, Dynamic Range



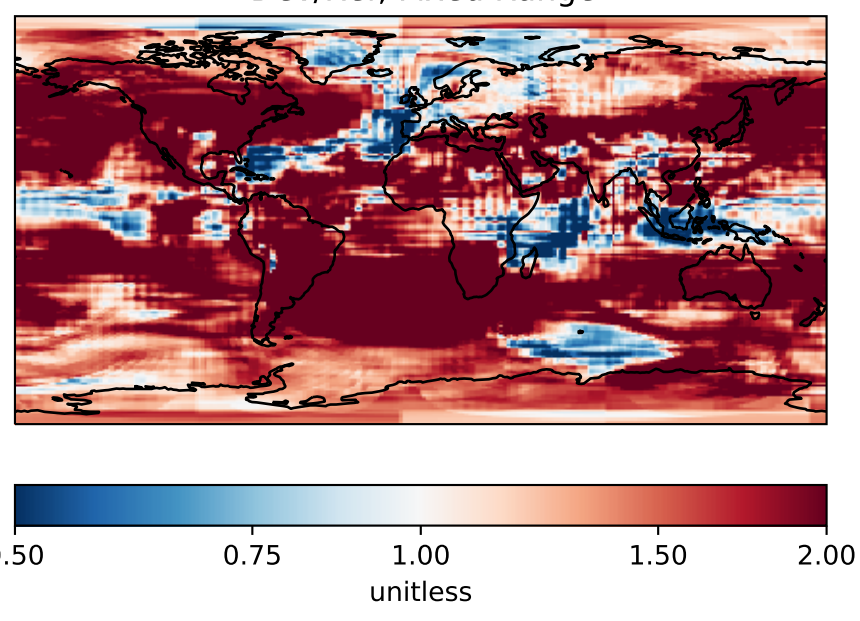
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)
Dev/Ref, Dynamic Range

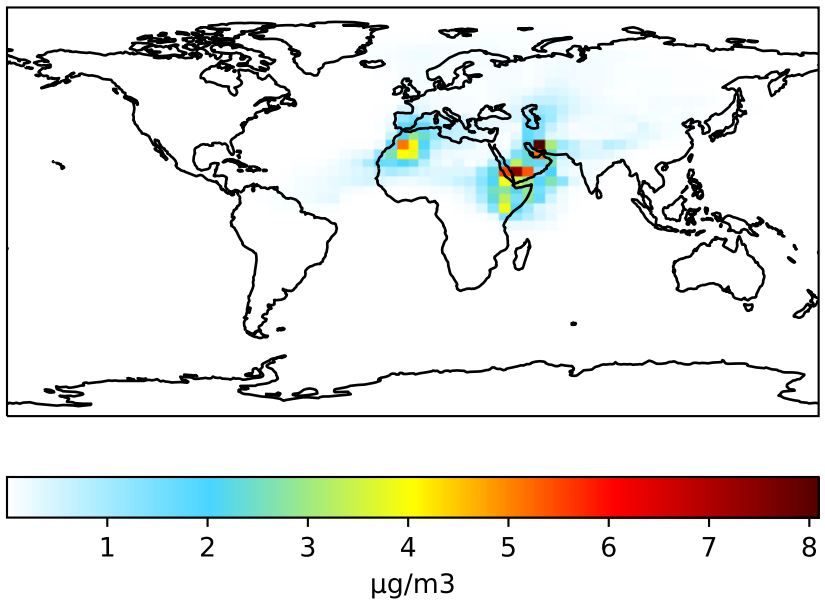


Ratio (1x1.25)
Dev/Ref, Fixed Range

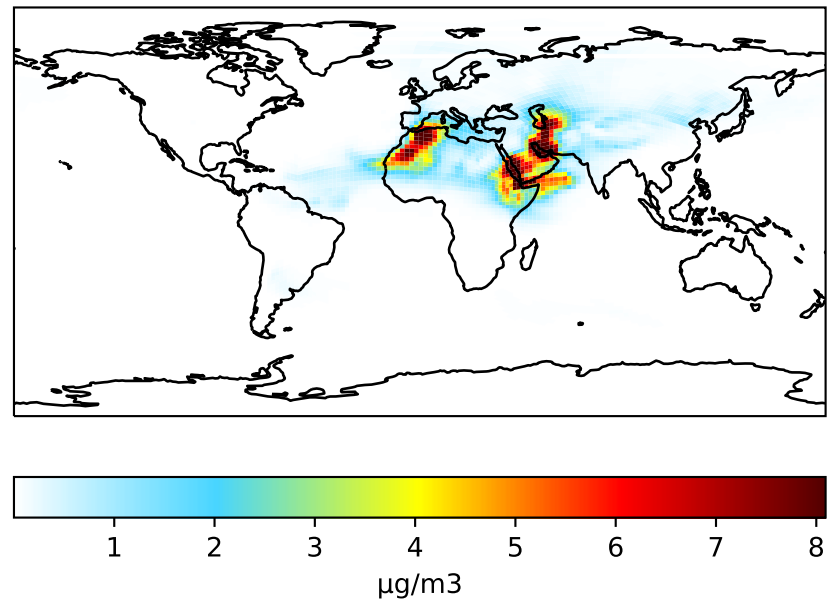


SpeciesConc_DST3

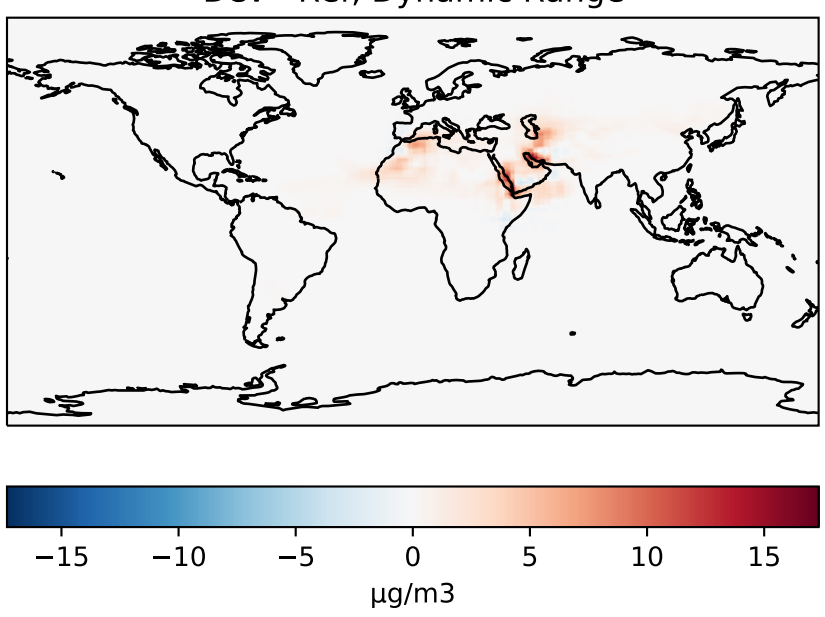
GCC_13.1.0-beta.1 (Ref)
4.0x5.0



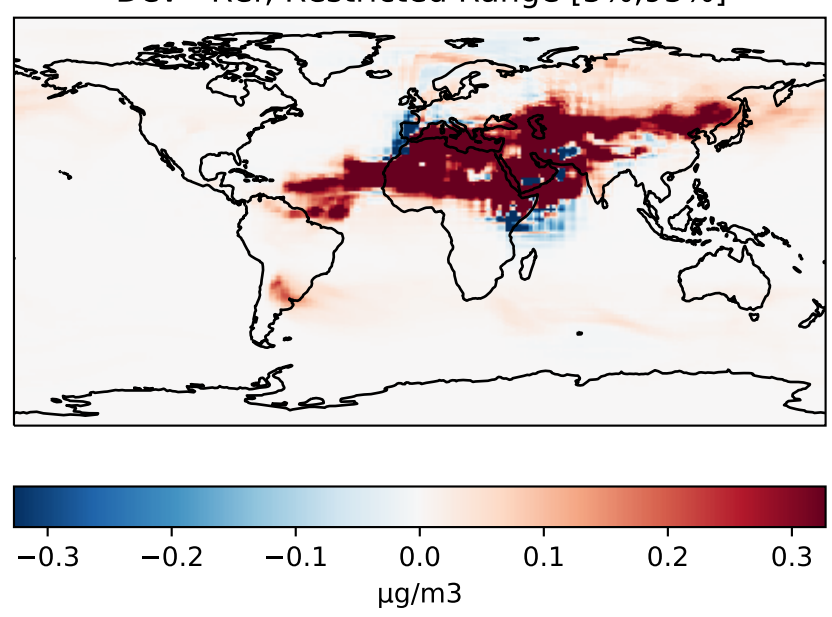
GCHP_13.1.0-beta.1 (Dev)
c48



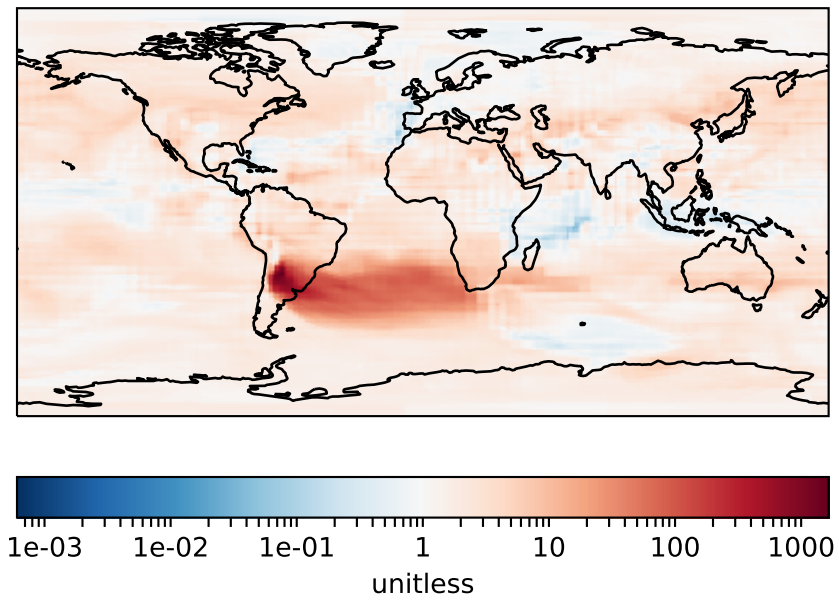
Difference (1x1.25)
Dev - Ref, Dynamic Range



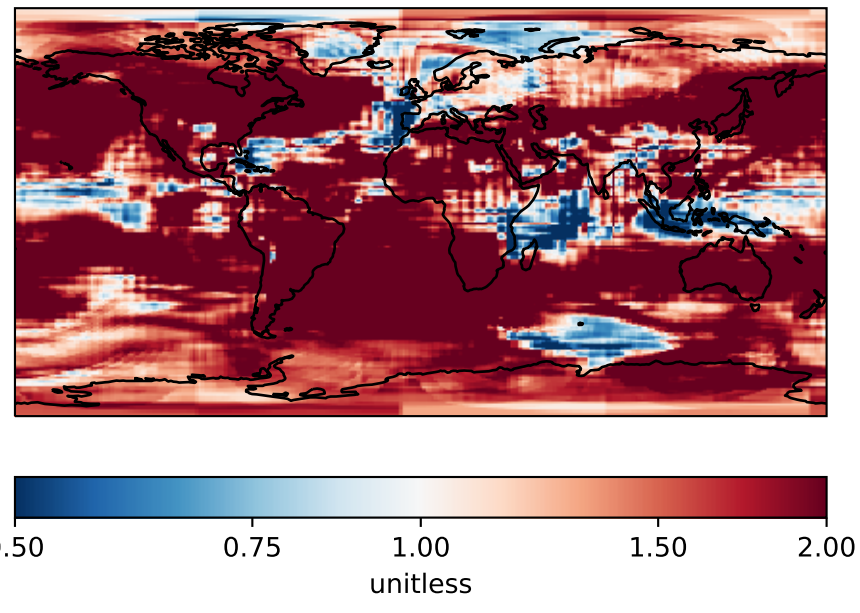
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)
Dev/Ref, Dynamic Range

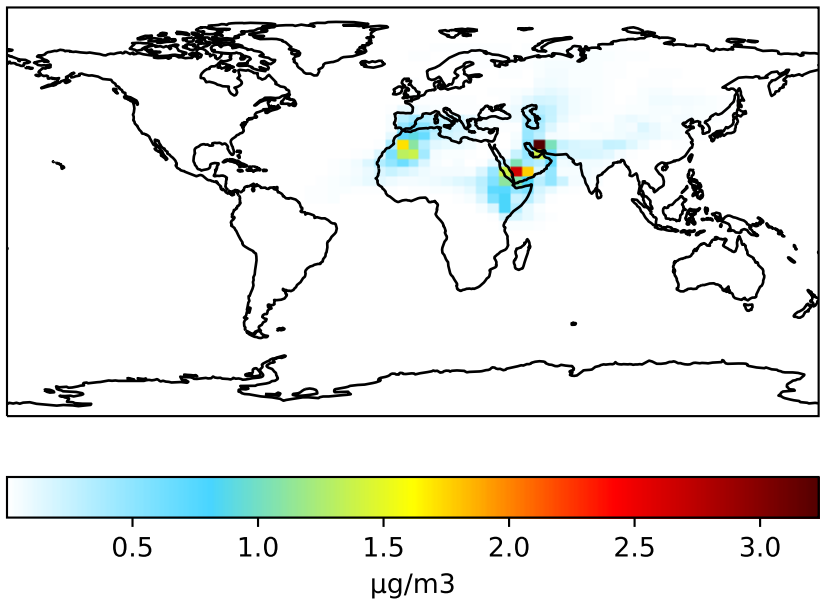


Ratio (1x1.25)
Dev/Ref, Fixed Range

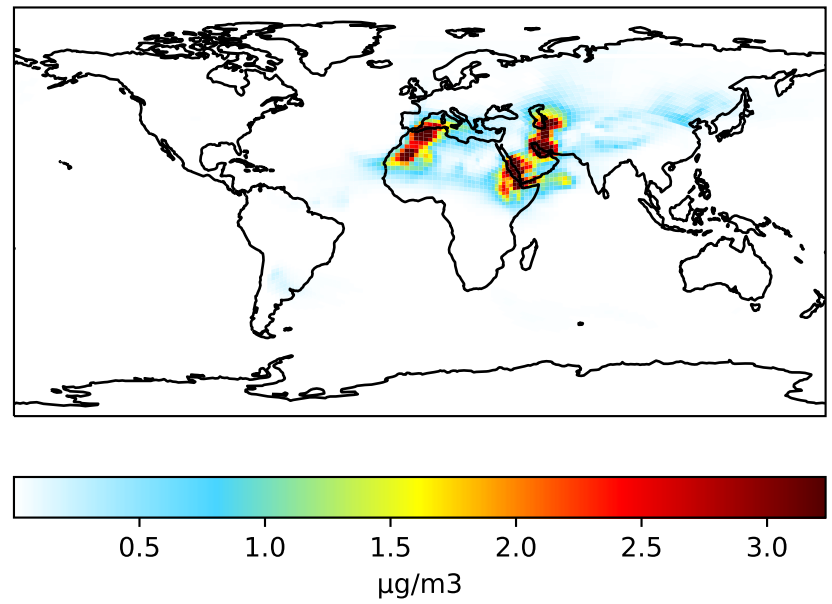


SpeciesConc_DST4

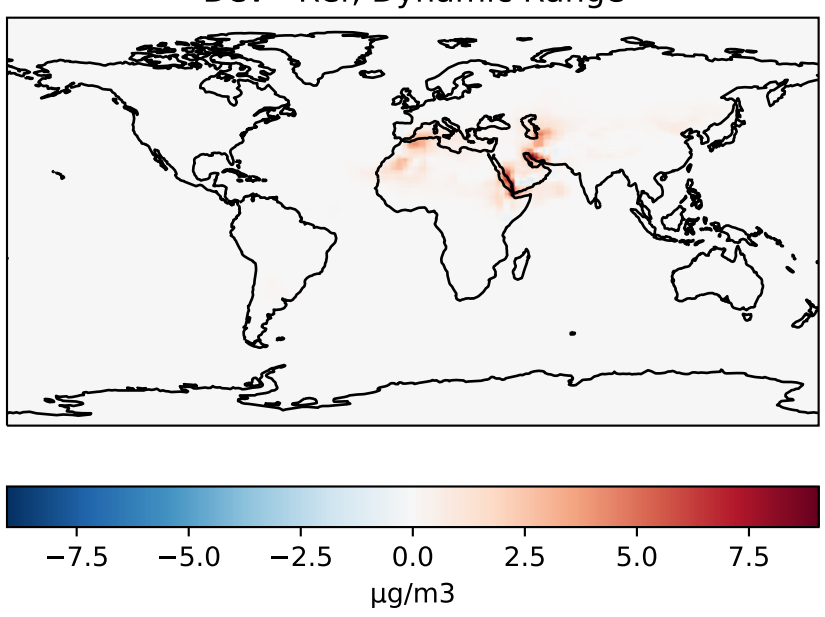
GCC_13.1.0-beta.1 (Ref)
4.0x5.0



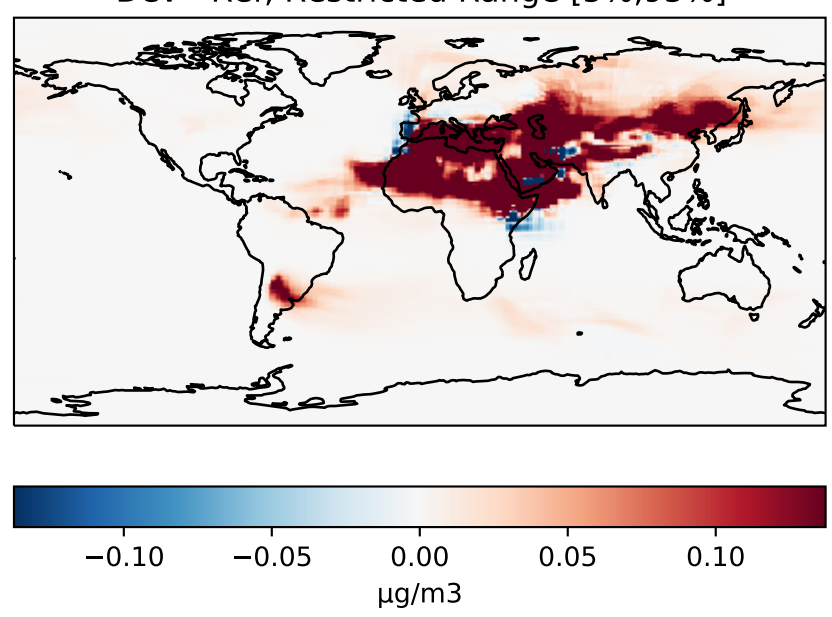
GCHP_13.1.0-beta.1 (Dev)
c48



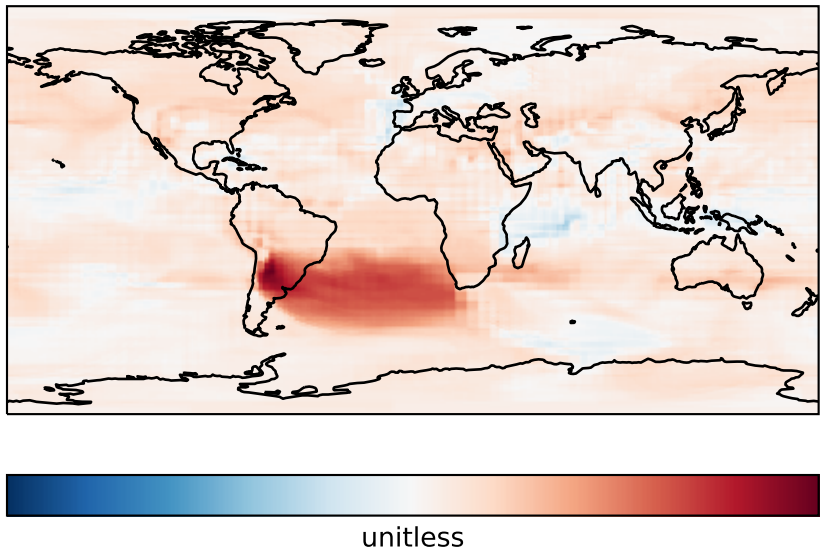
Difference (1x1.25)
Dev - Ref, Dynamic Range



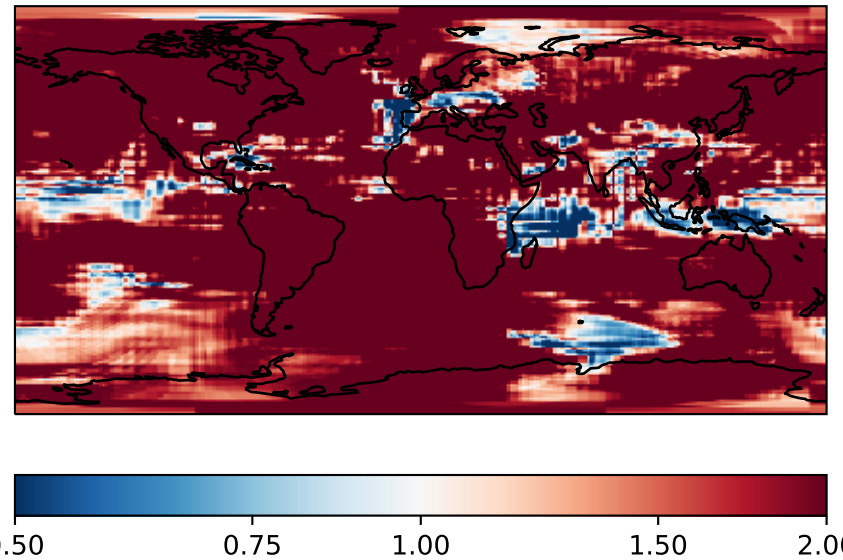
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)
Dev/Ref, Dynamic Range

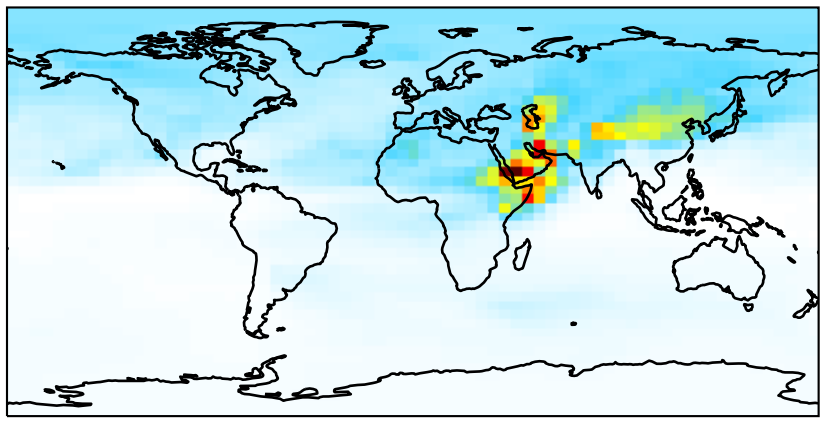


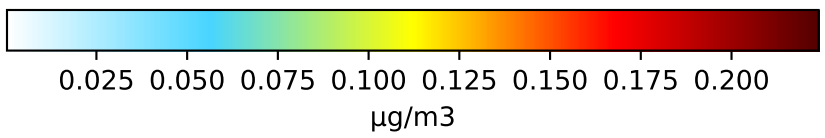
Ratio (1x1.25)
Dev/Ref, Fixed Range



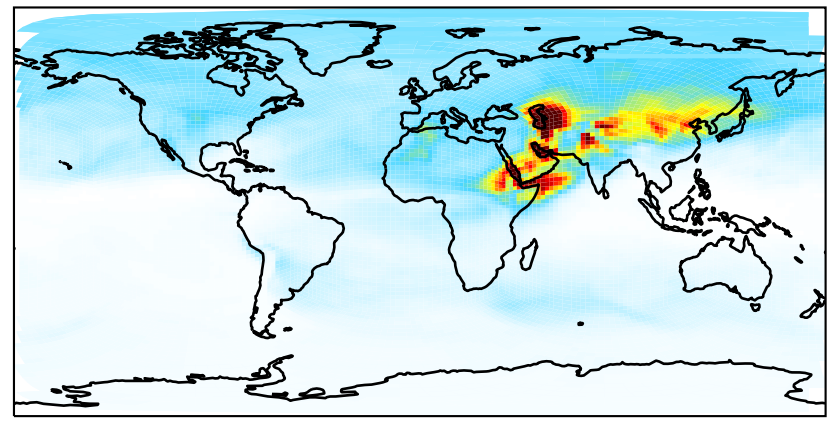
SpeciesConc_NH4

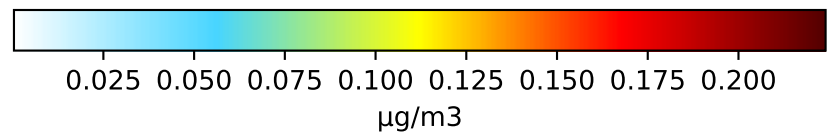
GCC_13.1.0-beta.1 (Ref)
4.0x5.0



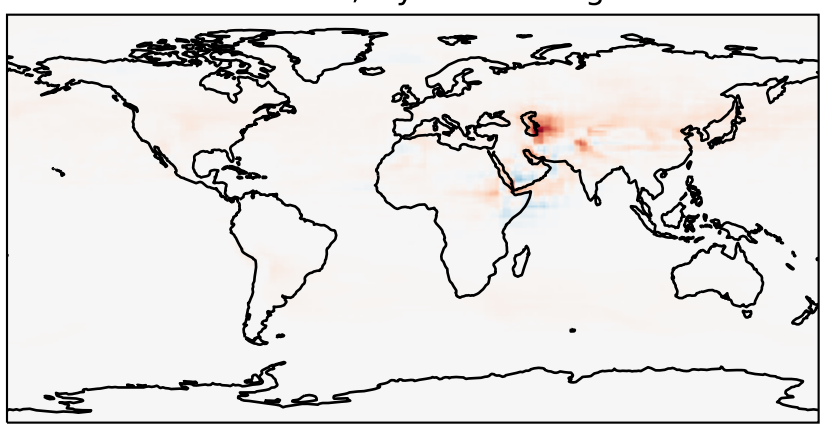


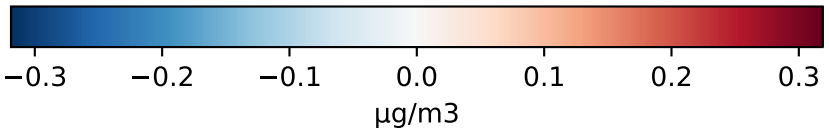
GCHP_13.1.0-beta.1 (Dev)
c48



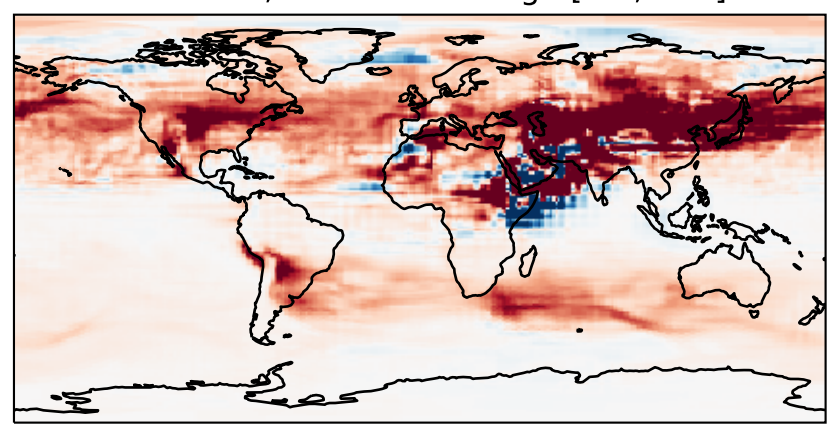


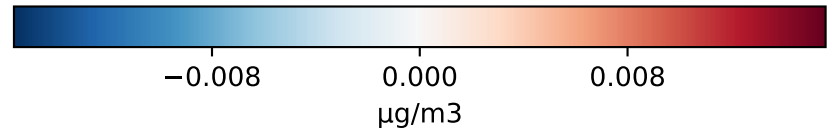
Difference (1x1.25)
Dev - Ref, Dynamic Range



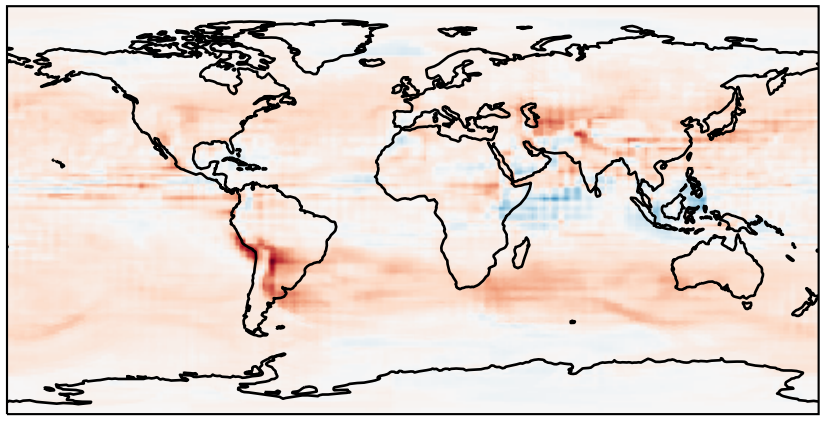


Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



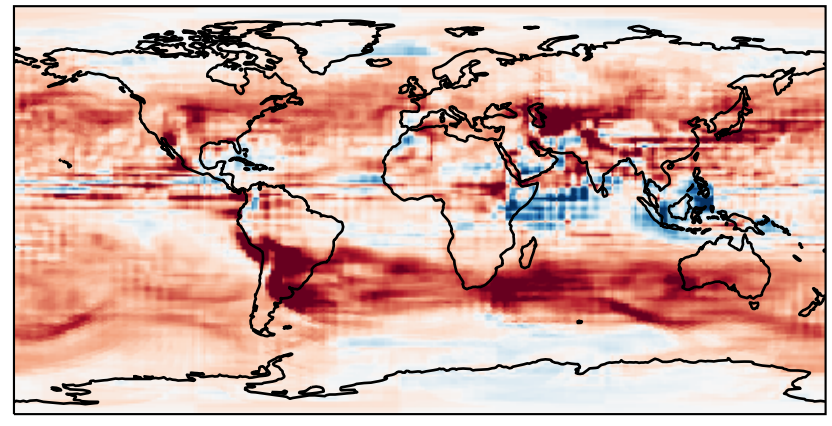


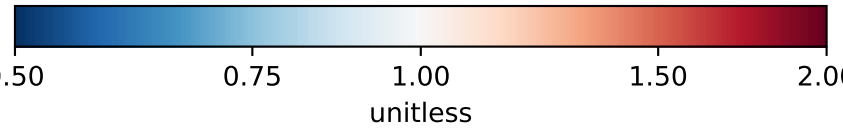
Ratio (1x1.25)
Dev/Ref, Dynamic Range





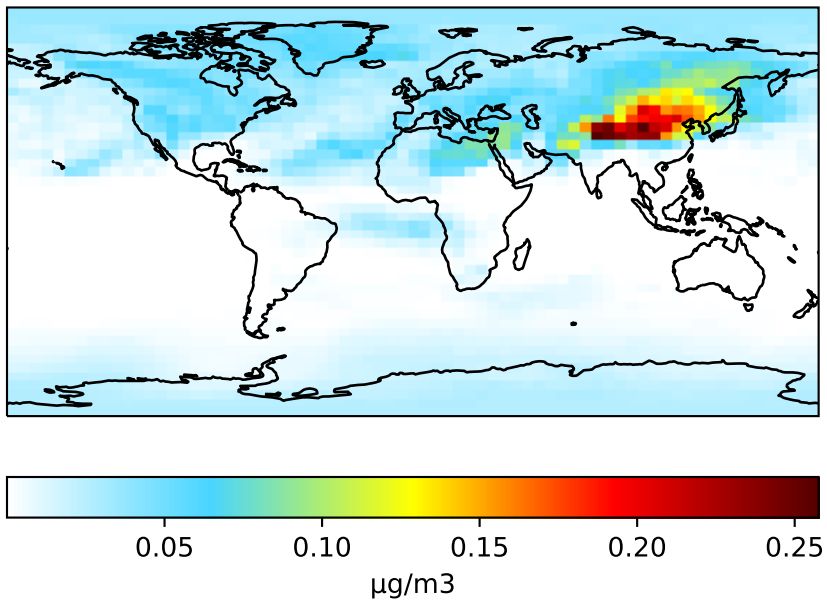
Ratio (1x1.25)
Dev/Ref, Fixed Range



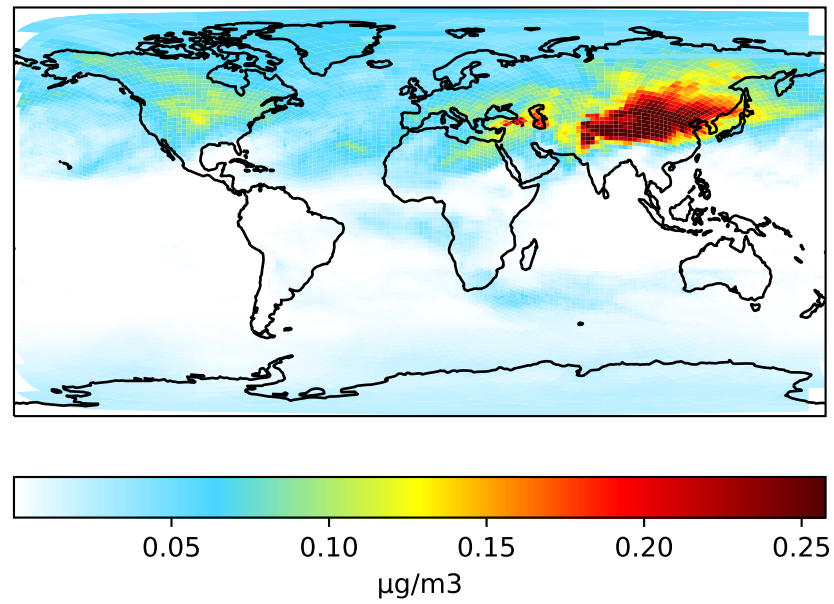


SpeciesConc_NIT

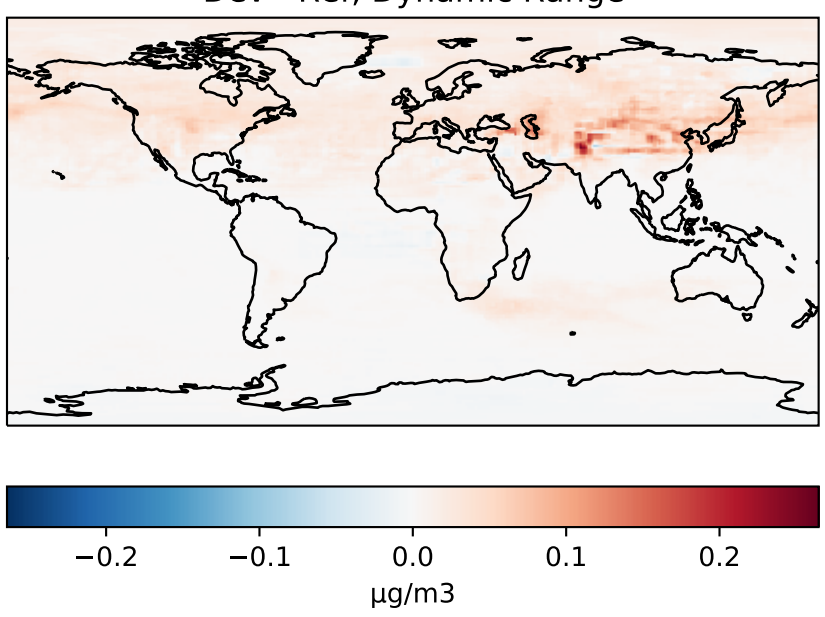
GCC_13.1.0-beta.1 (Ref)
4.0x5.0



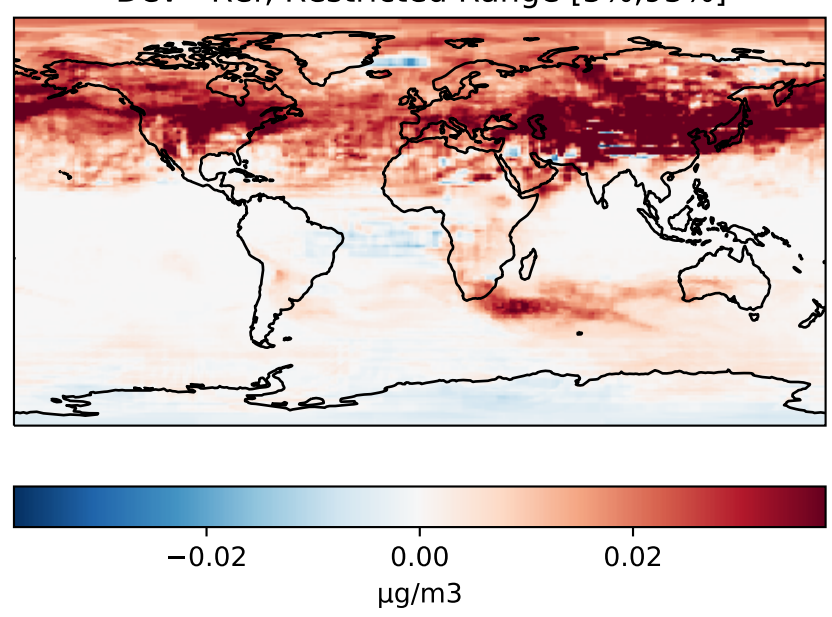
GCHP_13.1.0-beta.1 (Dev)
c48



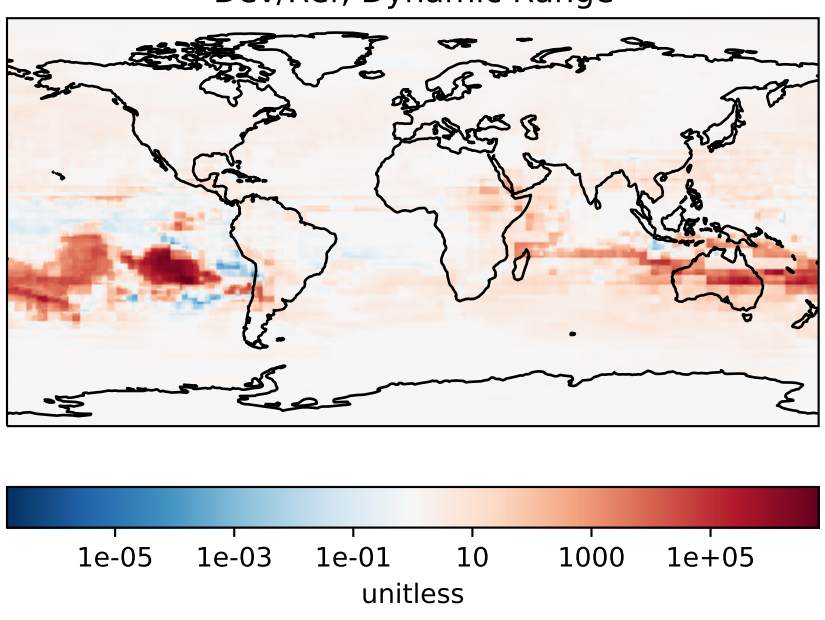
Difference (1x1.25)
Dev - Ref, Dynamic Range



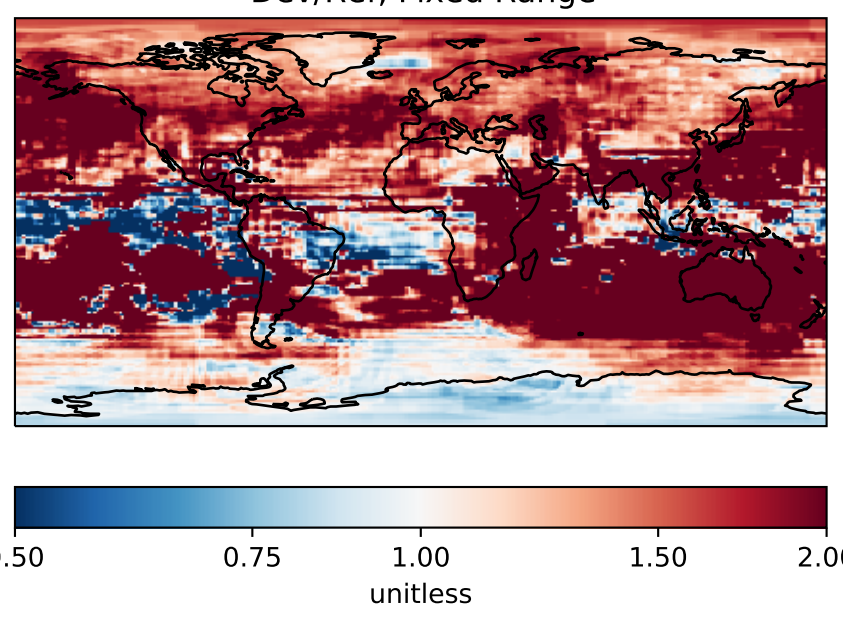
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)
Dev/Ref, Dynamic Range

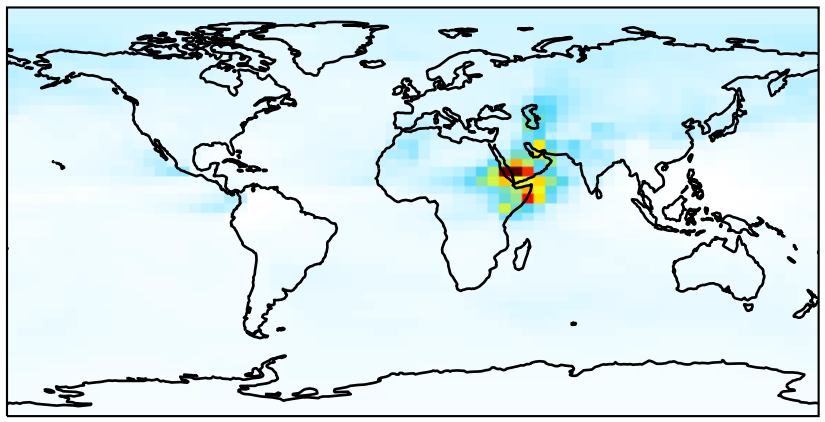


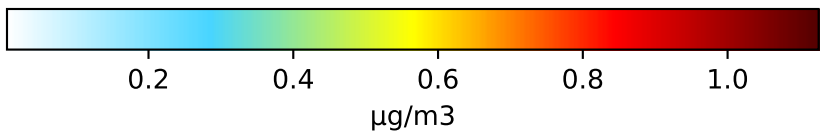
Ratio (1x1.25)
Dev/Ref, Fixed Range



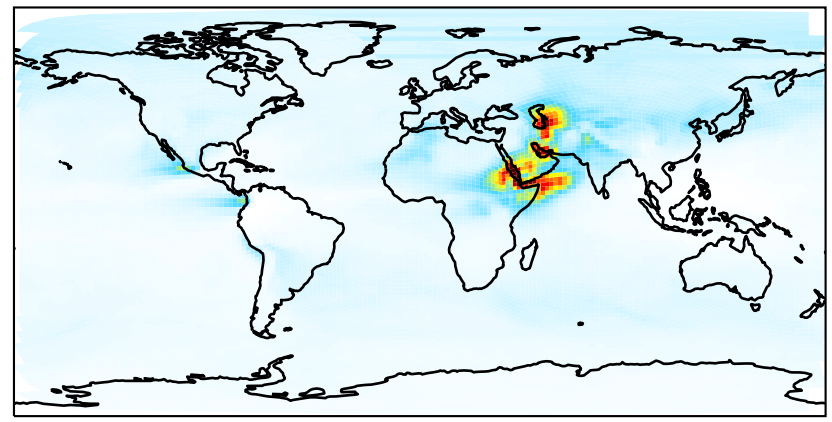
SpeciesConc_SO4

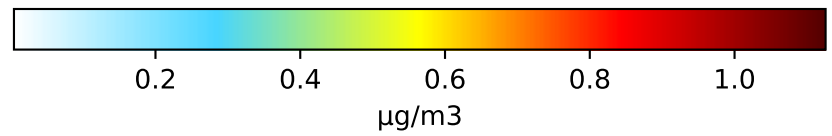
GCC_13.1.0-beta.1 (Ref)
4.0x5.0



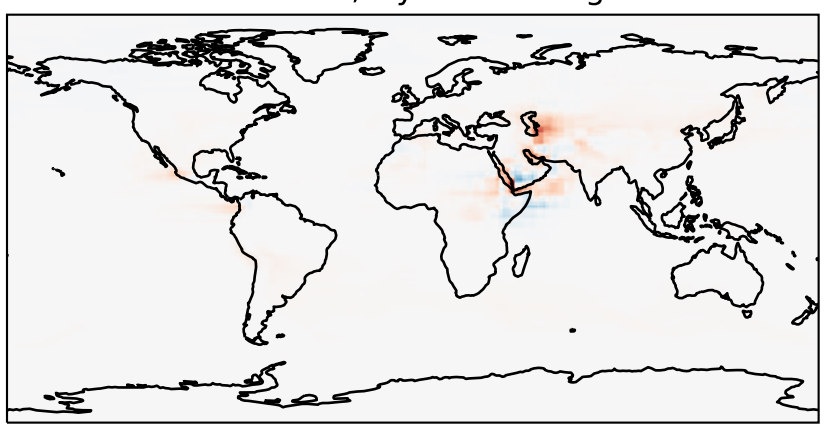


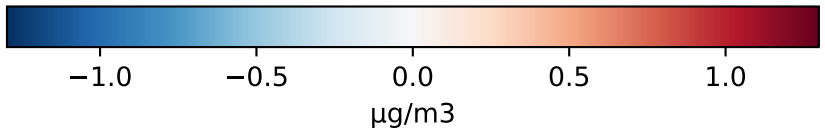
GCHP_13.1.0-beta.1 (Dev)
c48



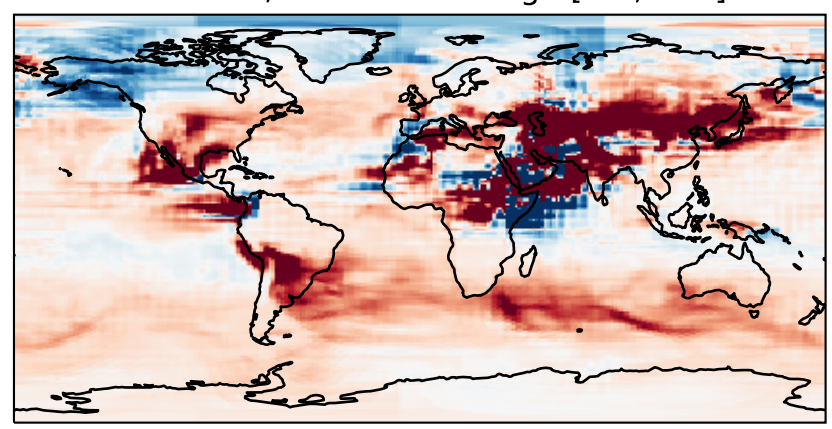


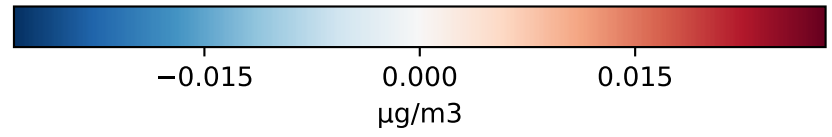
Difference (1x1.25)
Dev - Ref, Dynamic Range



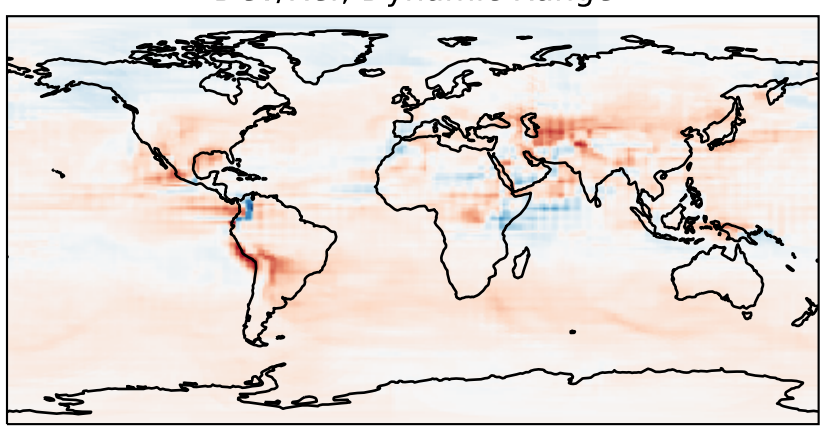


Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



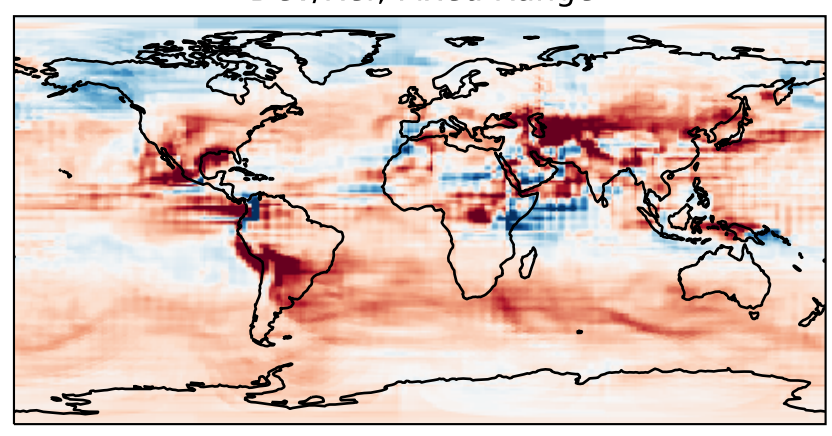


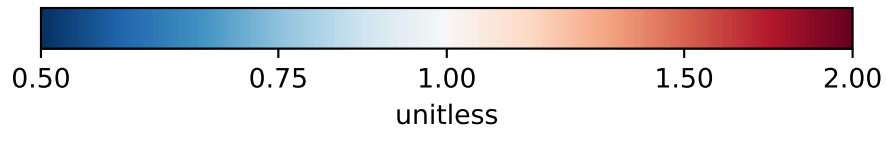
Ratio (1x1.25)
Dev/Ref, Dynamic Range





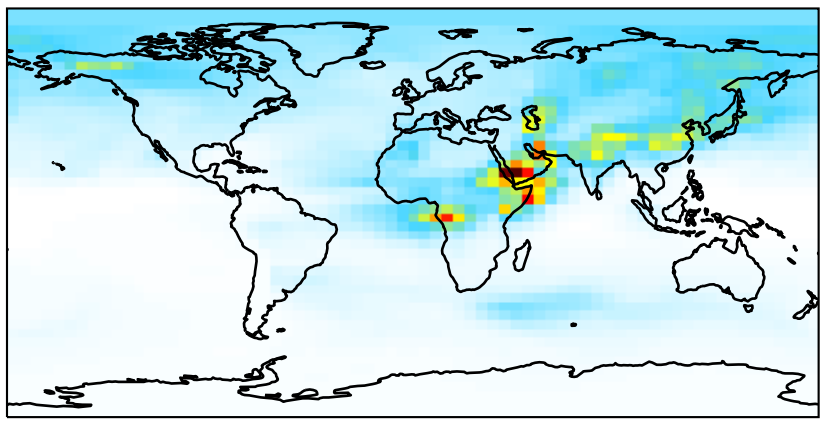
Ratio (1x1.25)
Dev/Ref, Fixed Range

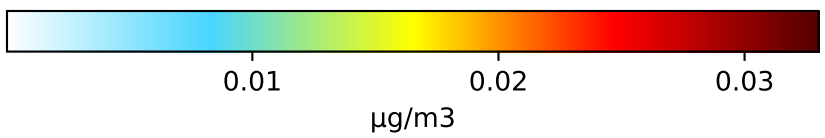




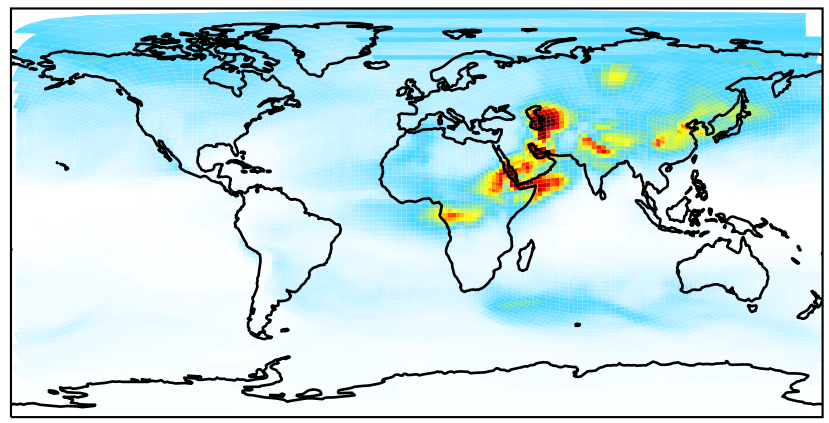
SpeciesConc_BCPI

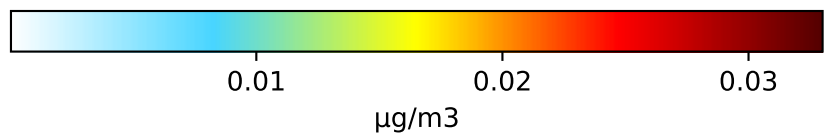
GCC_13.1.0-beta.1 (Ref)
4.0x5.0



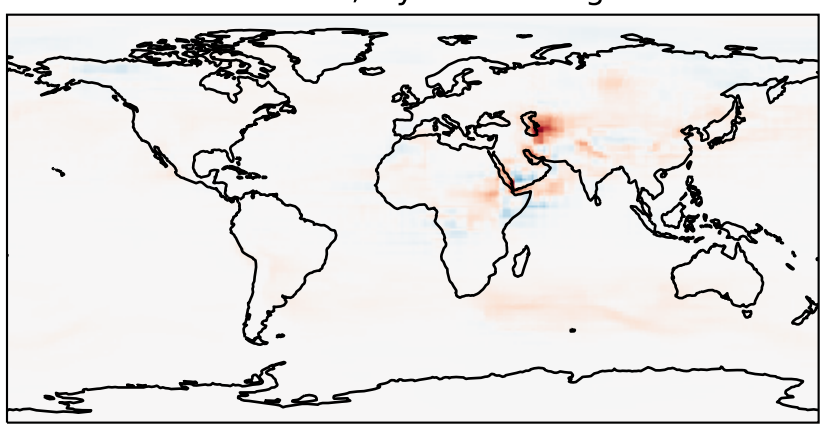


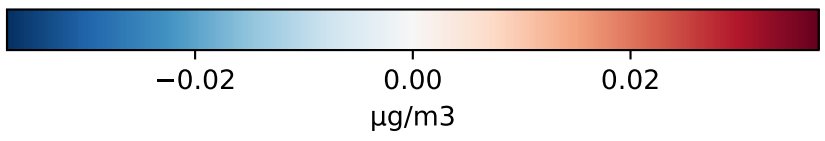
GCHP_13.1.0-beta.1 (Dev)
c48



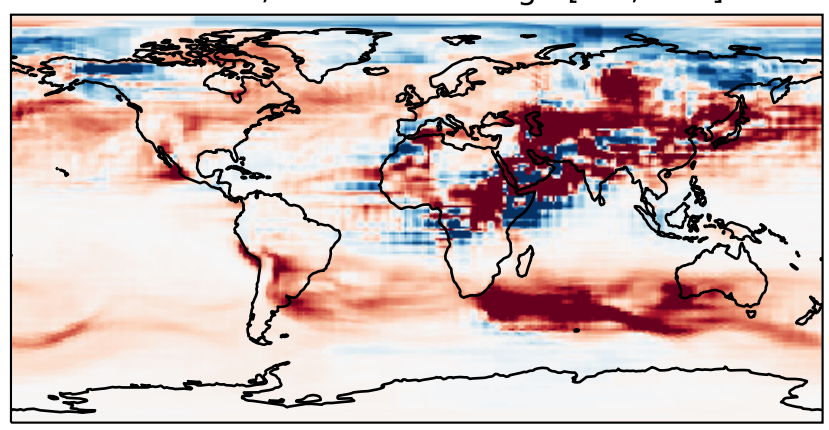


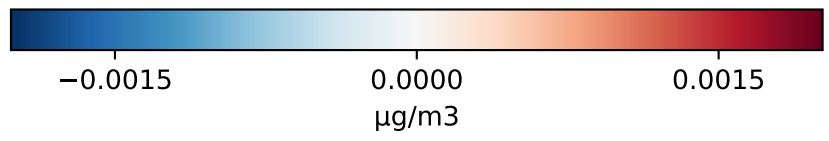
Difference (1x1.25)
Dev - Ref, Dynamic Range



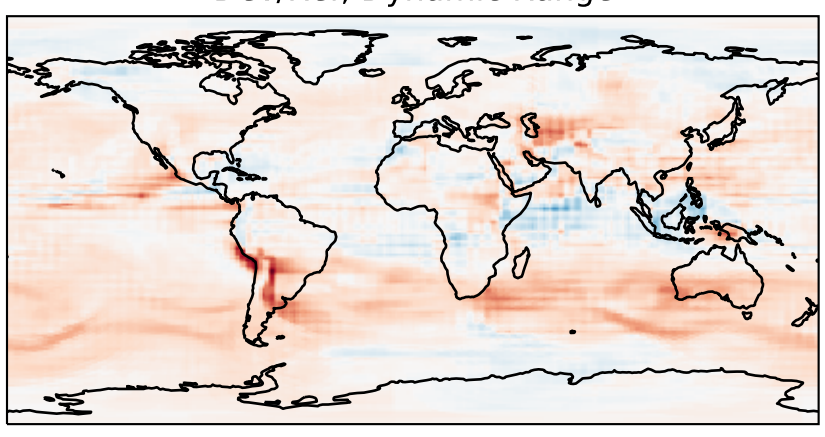


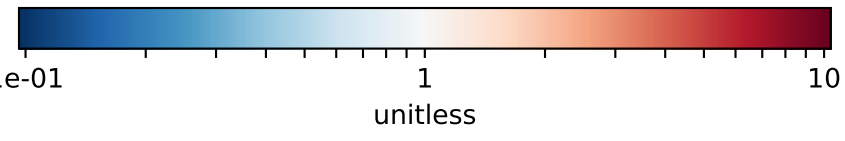
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



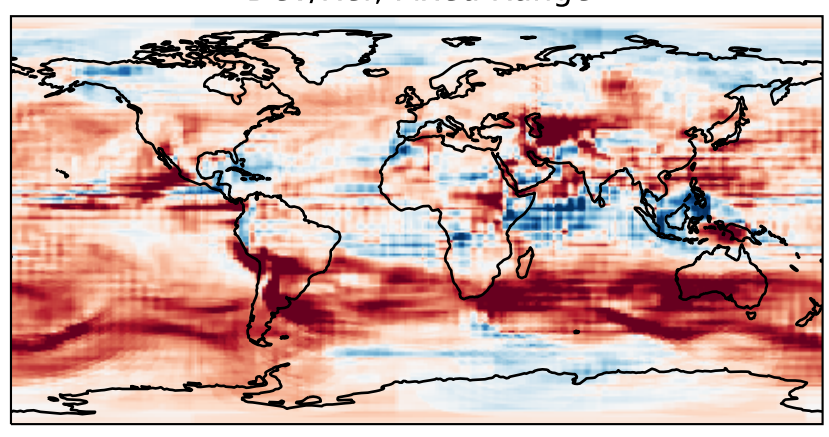


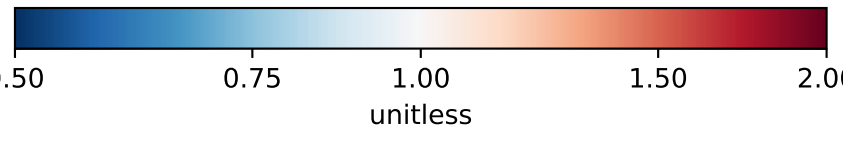
Ratio (1x1.25)
Dev/Ref, Dynamic Range





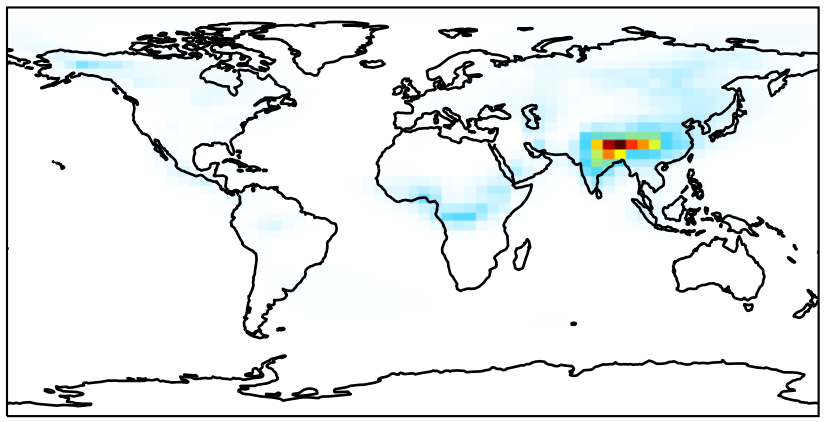
Ratio (1x1.25)
Dev/Ref, Fixed Range

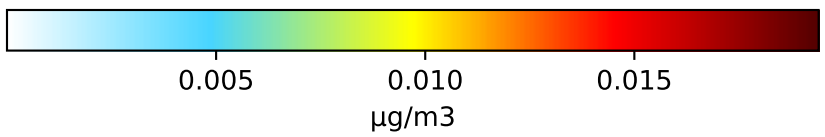




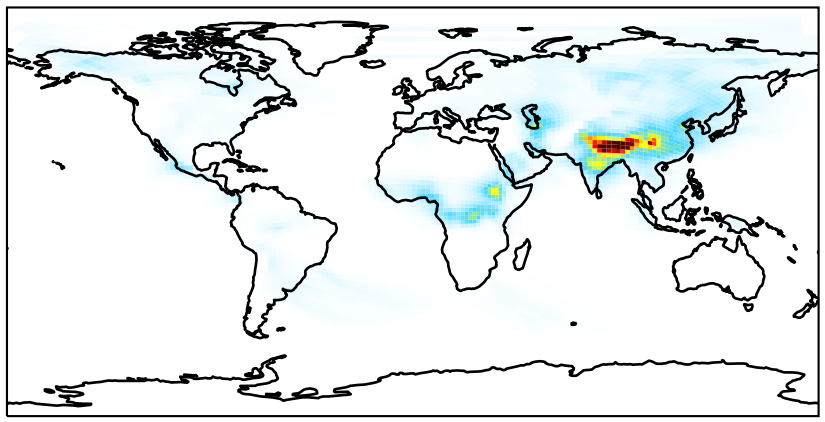
SpeciesConc_BCPO

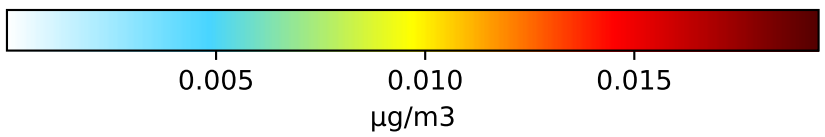
GCC_13.1.0-beta.1 (Ref)
4.0x5.0



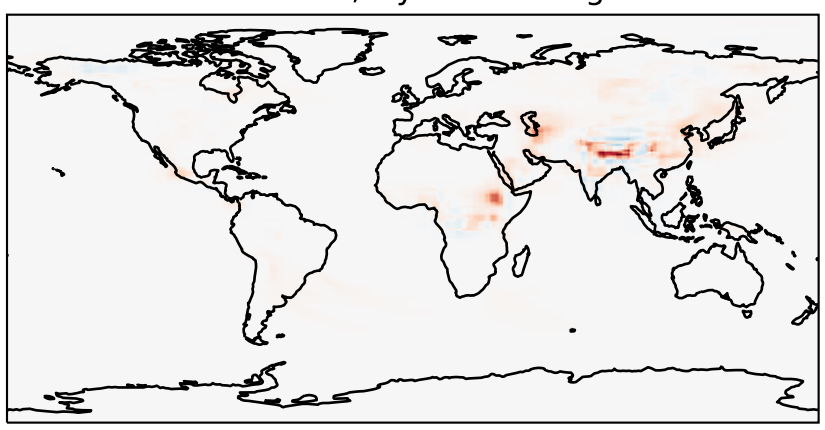


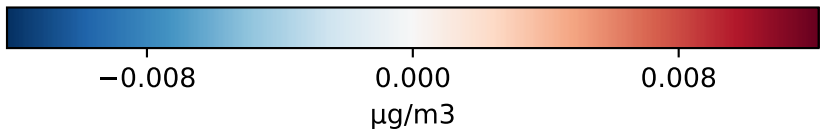
GCHP_13.1.0-beta.1 (Dev)
c48



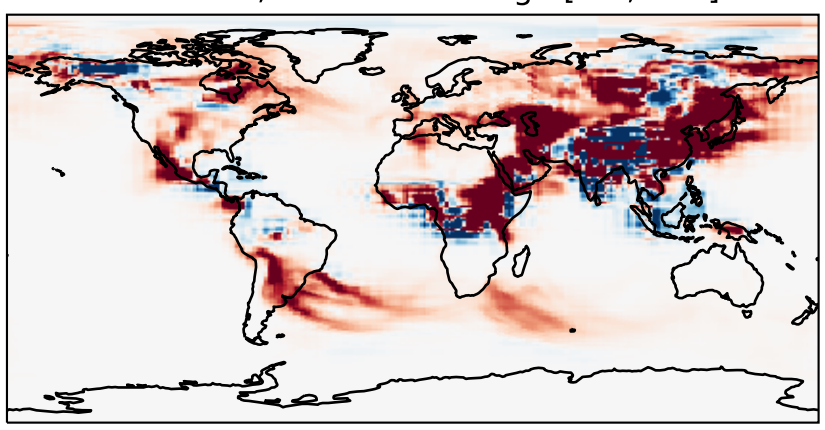


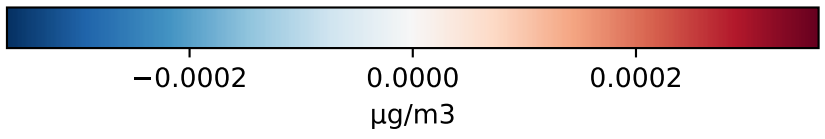
Difference (1x1.25)
Dev - Ref, Dynamic Range



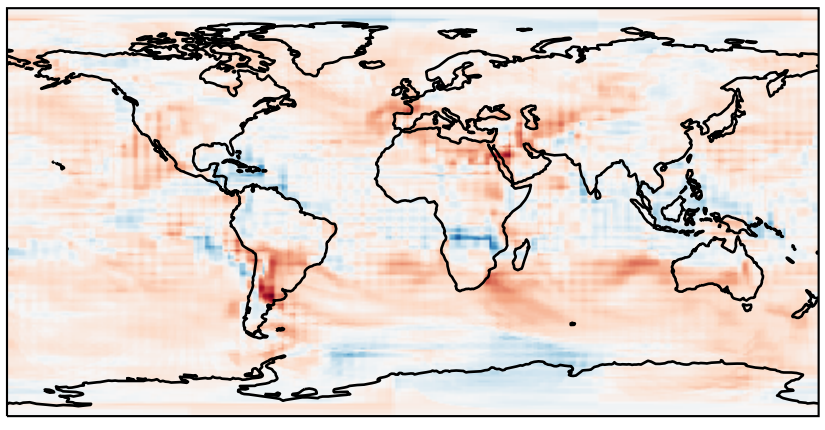


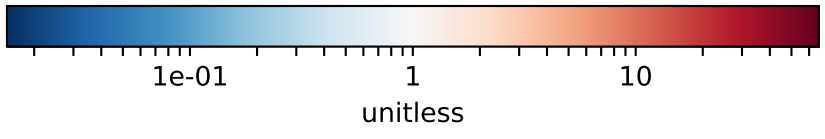
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



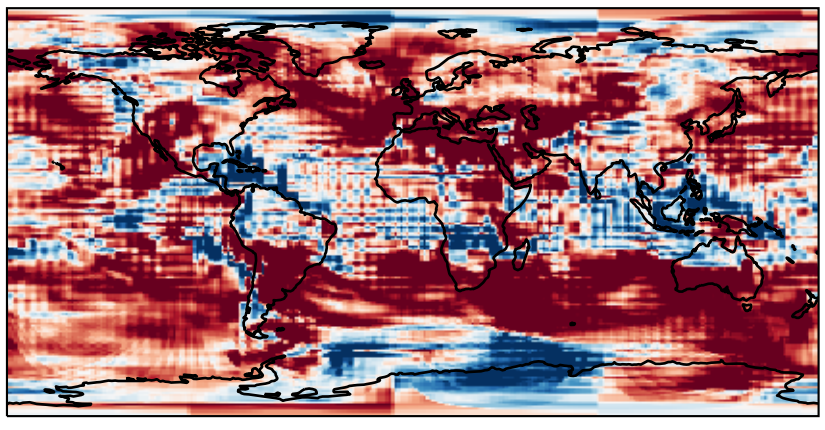


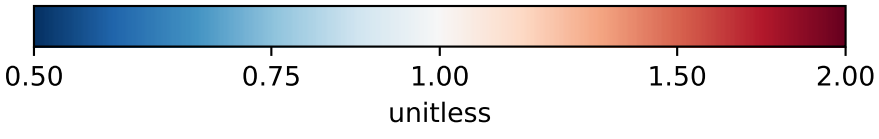
Ratio (1x1.25)
Dev/Ref, Dynamic Range





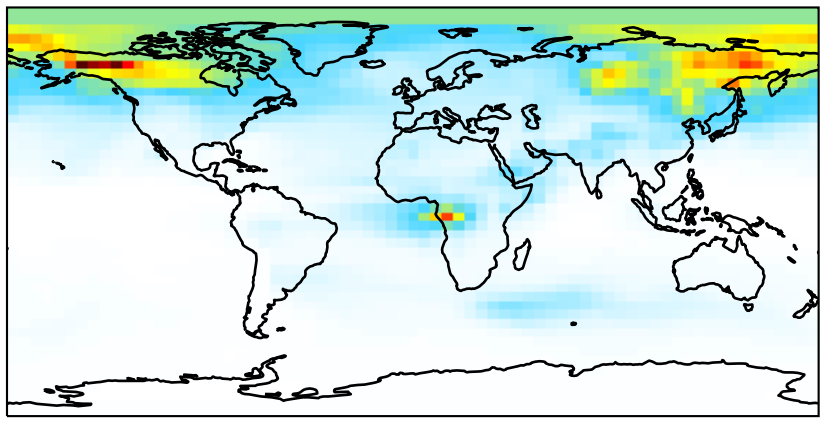
Ratio (1x1.25)
Dev/Ref, Fixed Range

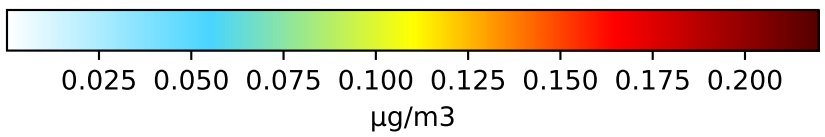




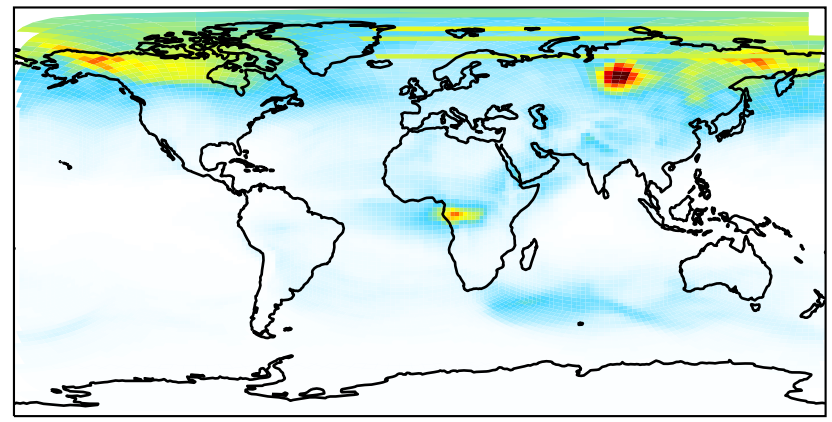
SpeciesConc_OCPI

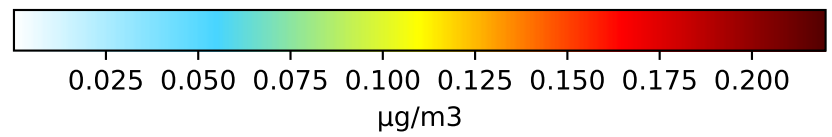
GCC_13.1.0-beta.1 (Ref)
4.0x5.0



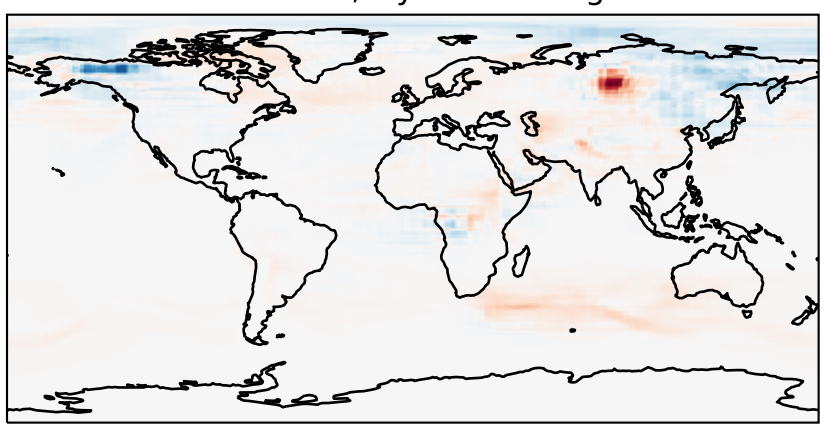


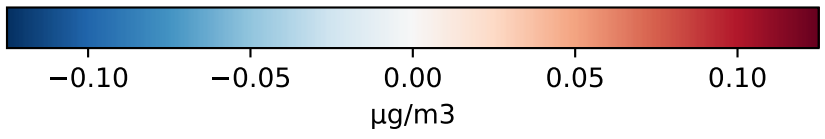
GCHP_13.1.0-beta.1 (Dev)
c48



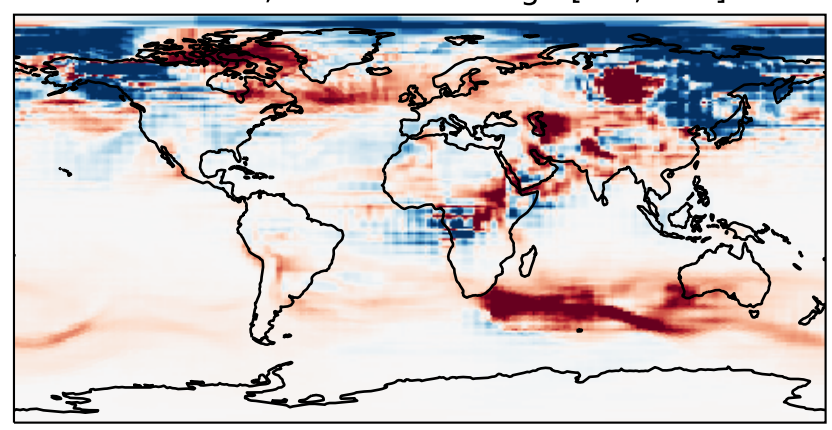


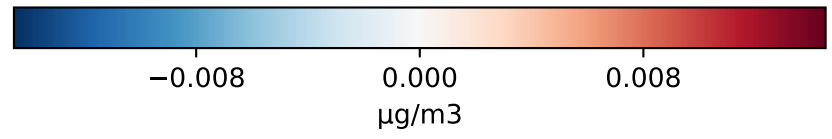
Difference (1x1.25)
Dev - Ref, Dynamic Range



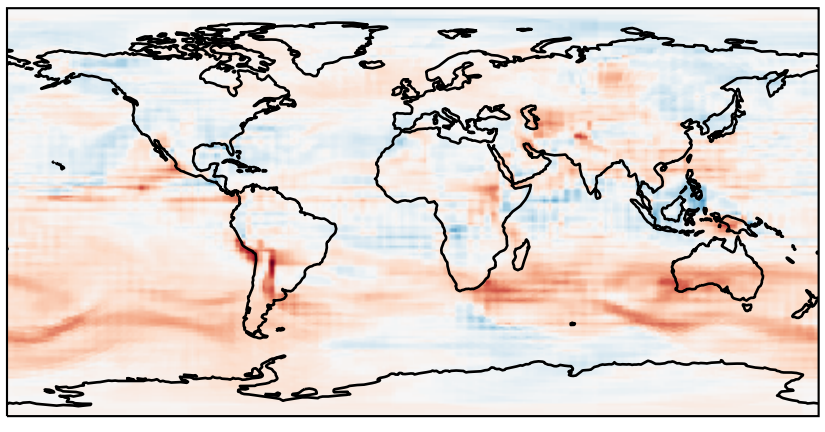


Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



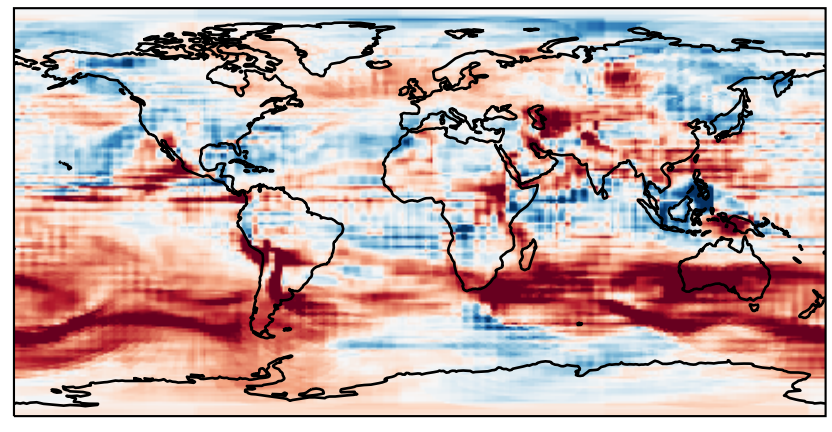


Ratio (1x1.25)
Dev/Ref, Dynamic Range





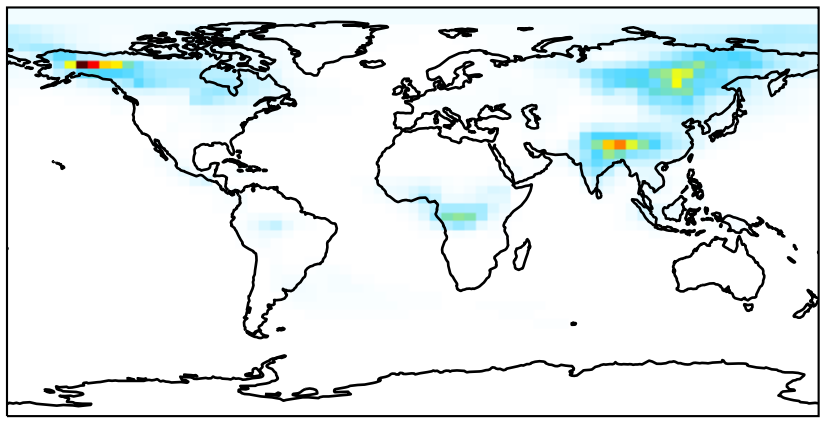
Ratio (1x1.25)
Dev/Ref, Fixed Range

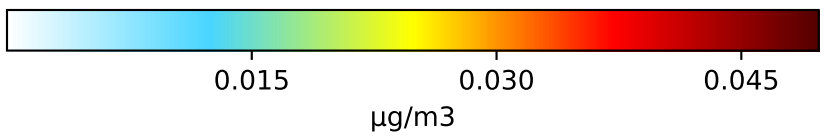




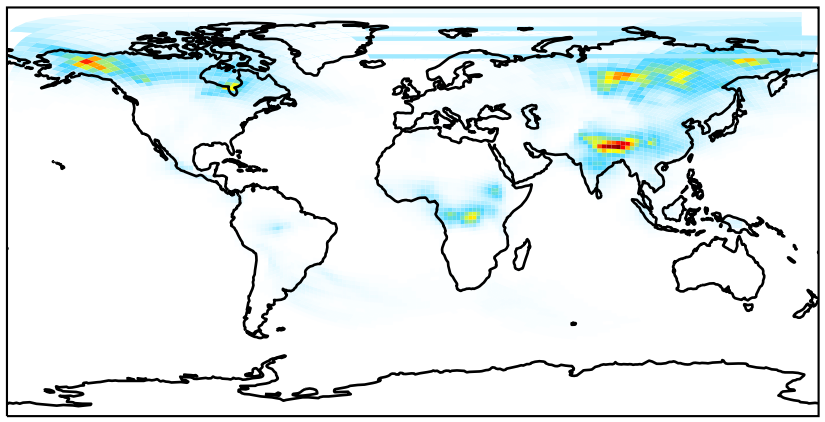
SpeciesConc_OCPO

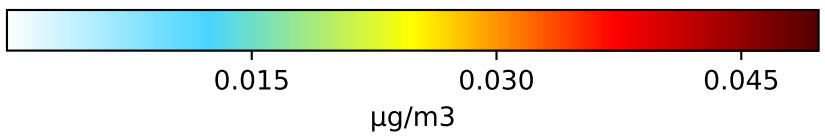
GCC_13.1.0-beta.1 (Ref)
4.0x5.0



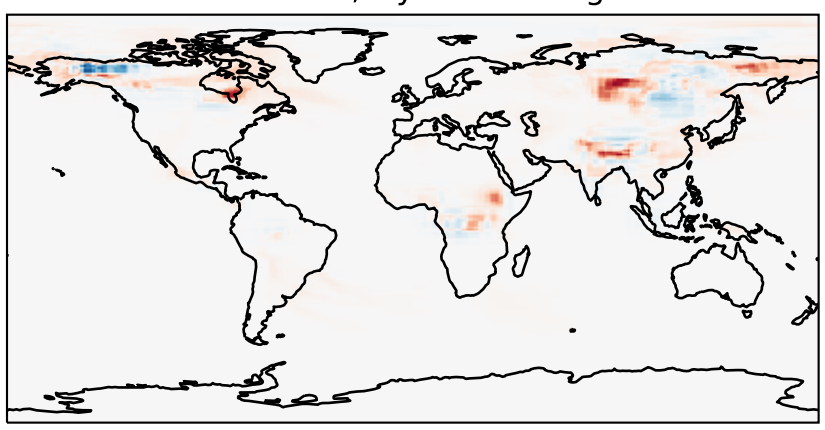


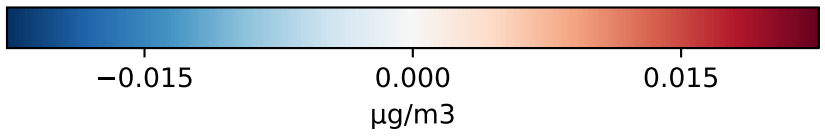
GCHP_13.1.0-beta.1 (Dev)
c48



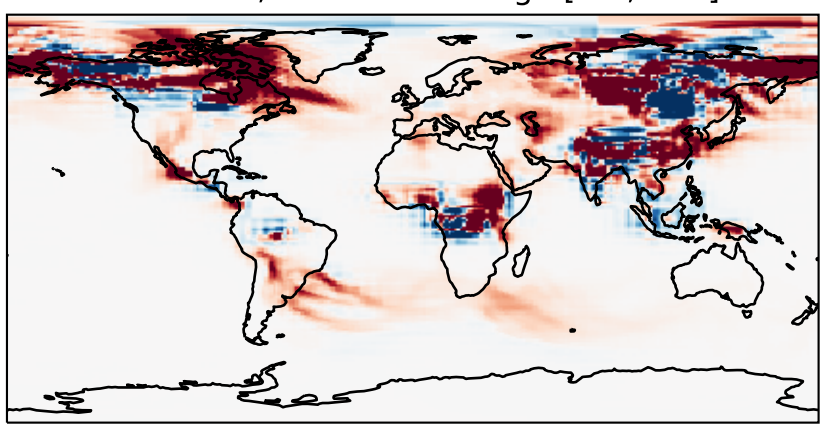


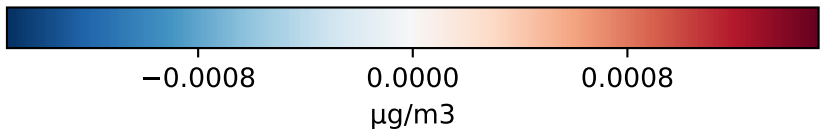
Difference (1x1.25)
Dev - Ref, Dynamic Range



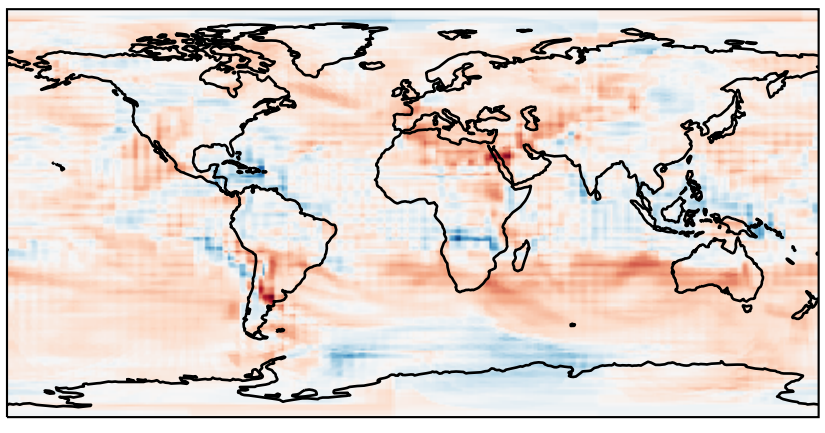


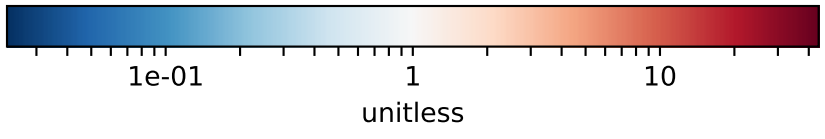
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



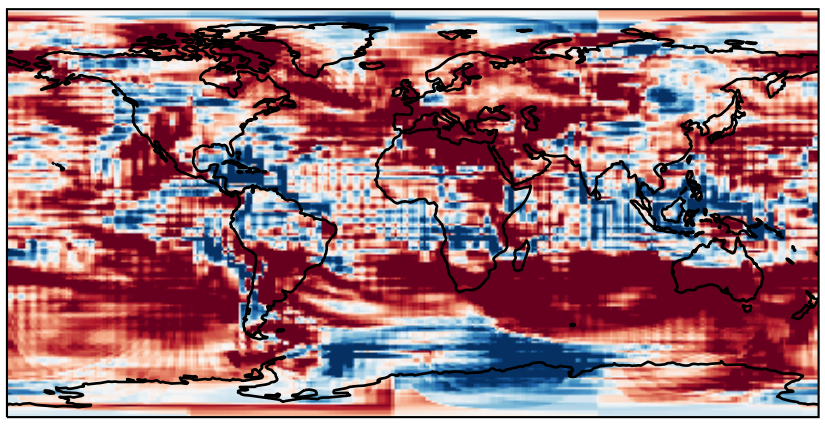


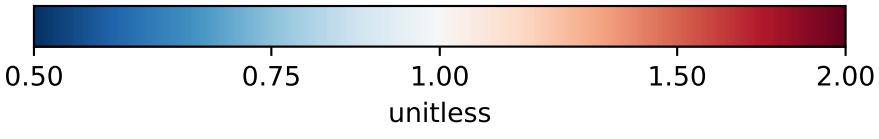
Ratio (1x1.25)
Dev/Ref, Dynamic Range





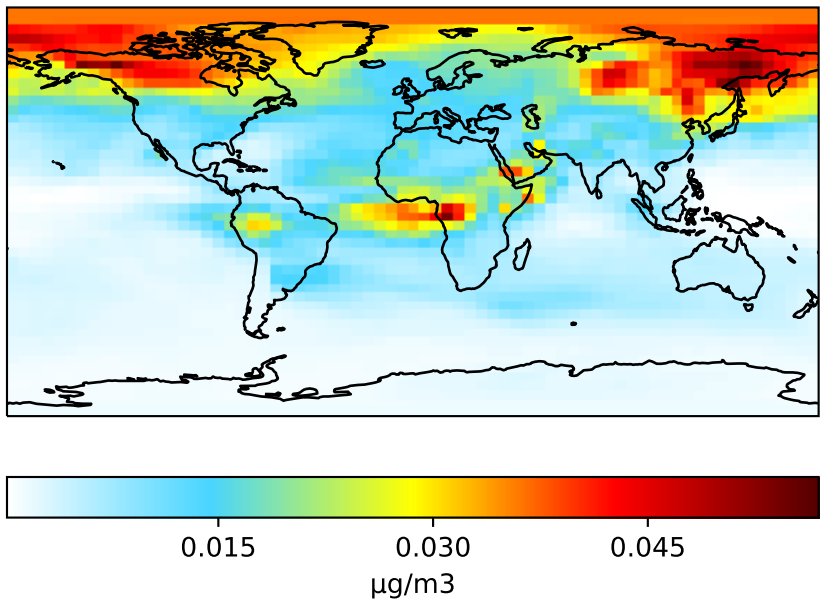
Ratio (1x1.25)
Dev/Ref, Fixed Range



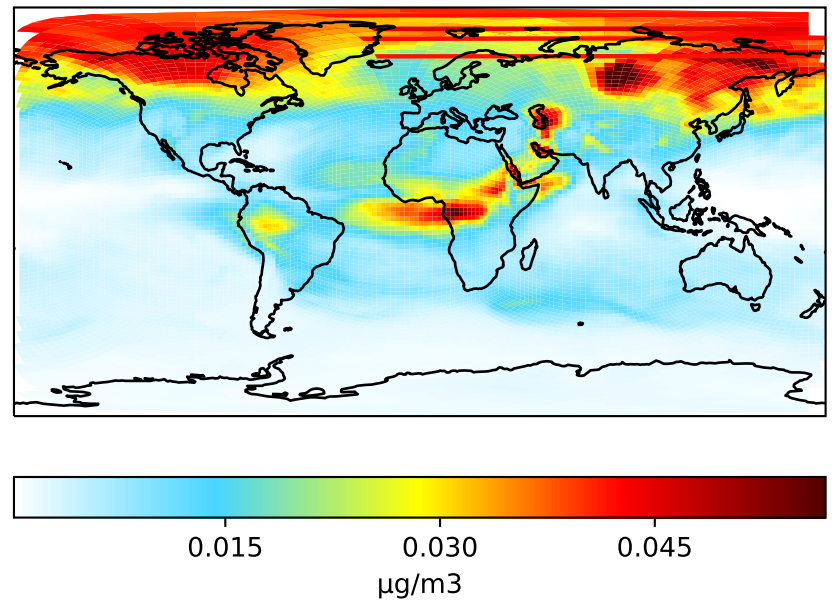


SpeciesConc_Complex_SOA

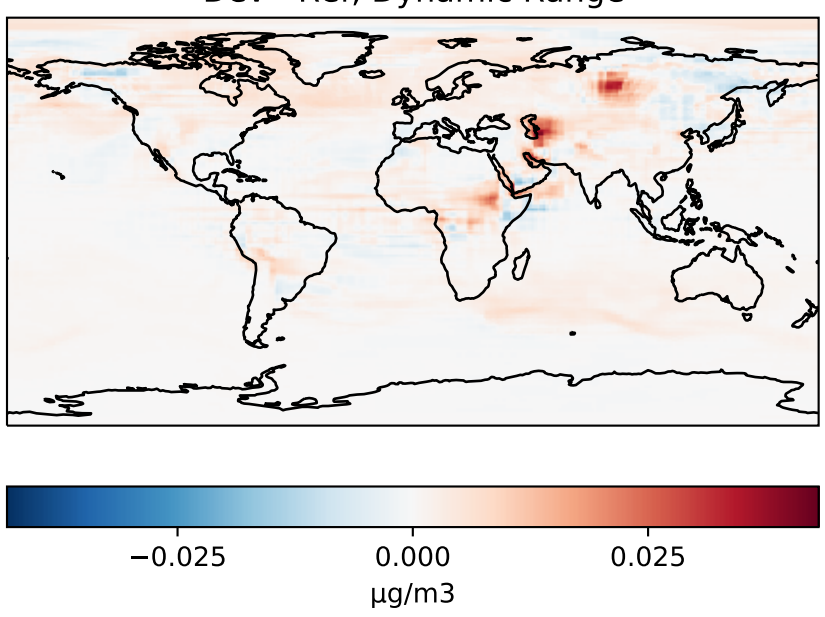
GCC_13.1.0-beta.1 (Ref)
4.0x5.0



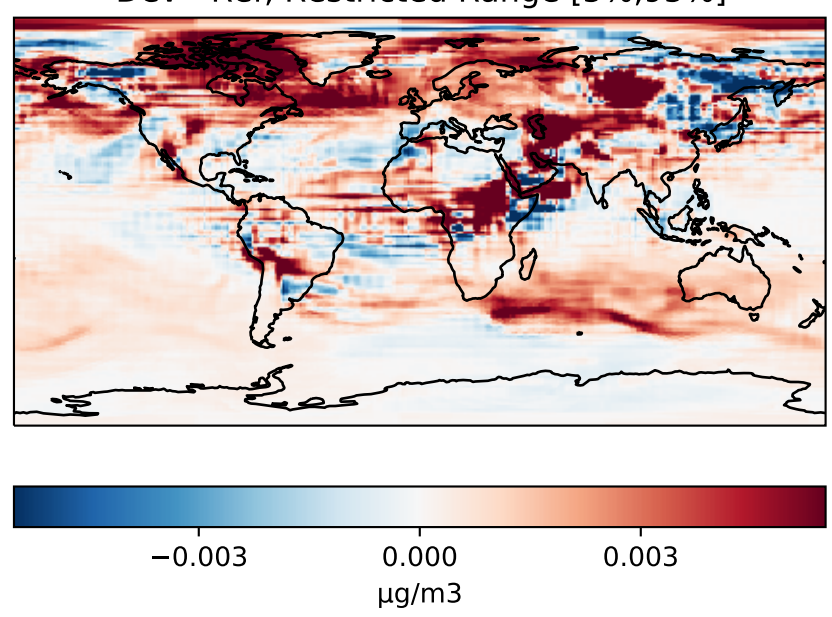
GCHP_13.1.0-beta.1 (Dev)
c48



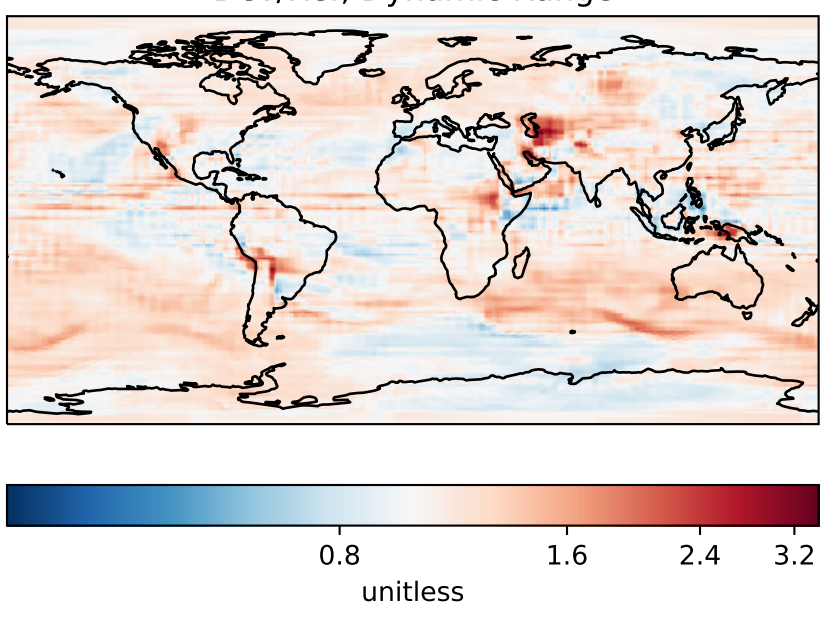
Difference (1x1.25)
Dev - Ref, Dynamic Range



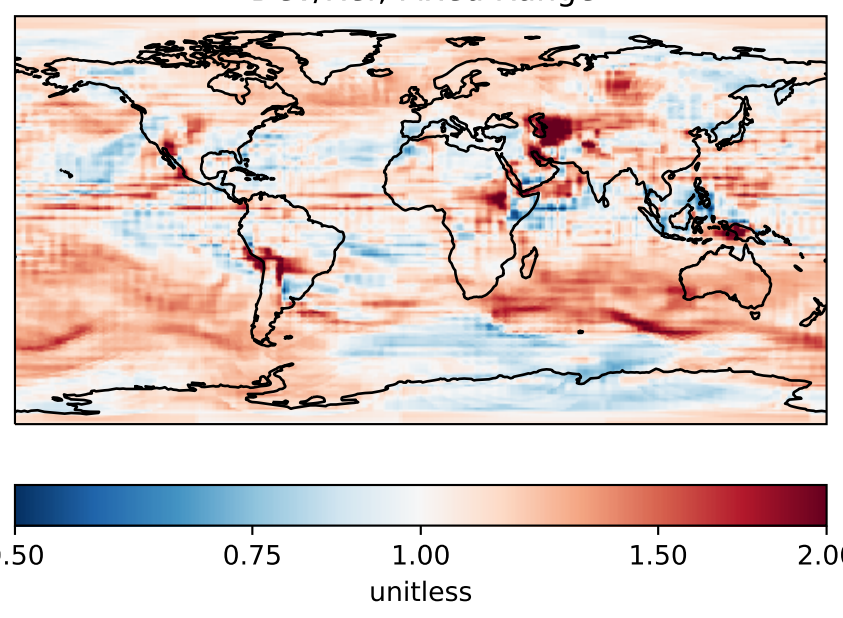
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)
Dev/Ref, Dynamic Range

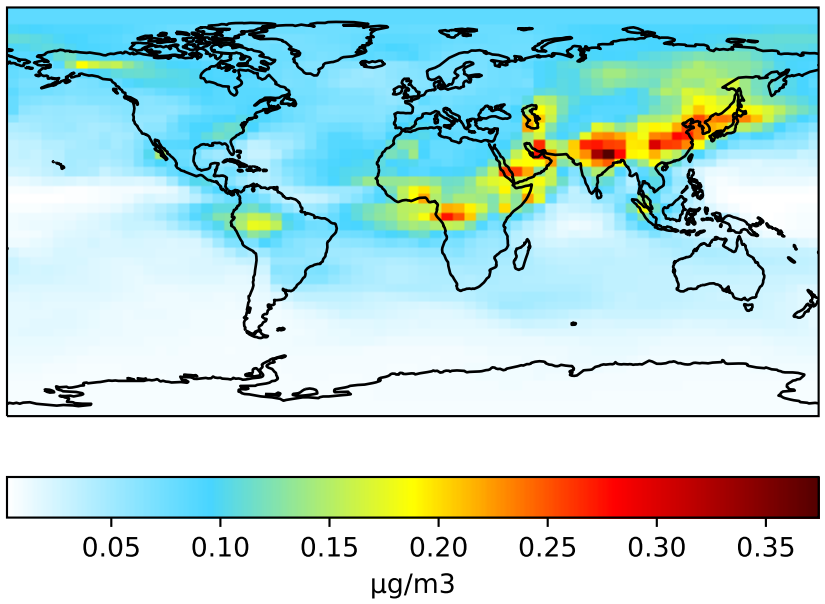


Ratio (1x1.25)
Dev/Ref, Fixed Range

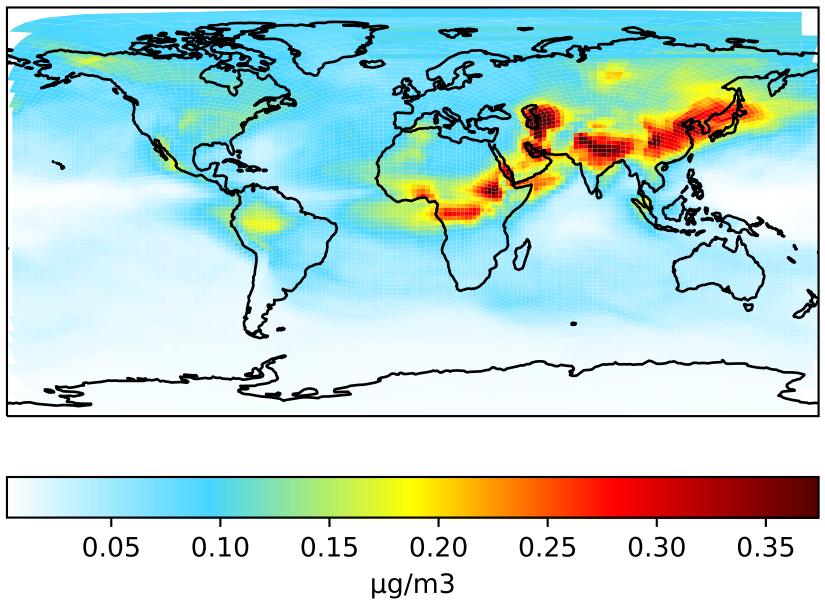


SpeciesConc_Simple_SOA

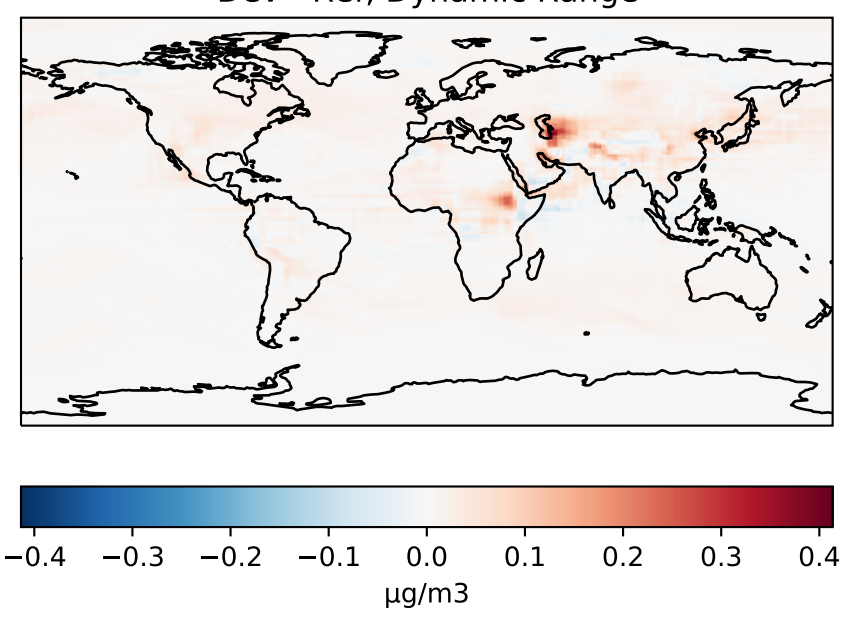
GCC_13.1.0-beta.1 (Ref)
4.0x5.0



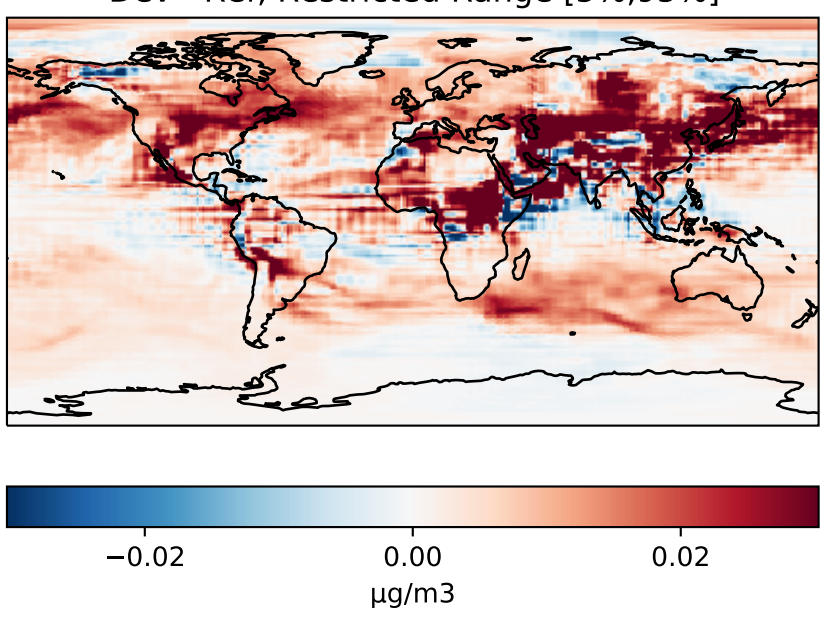
GCHP_13.1.0-beta.1 (Dev)
c48



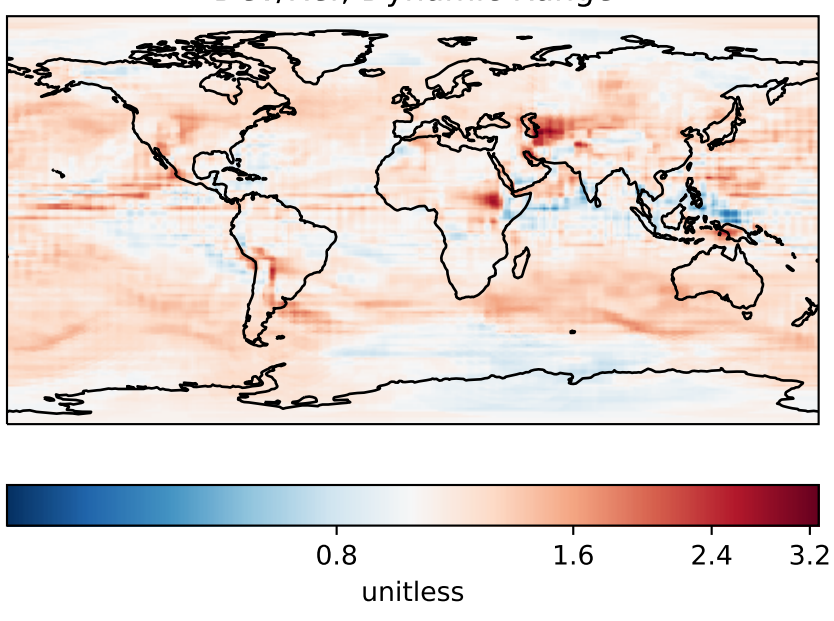
Difference (1x1.25)
Dev - Ref, Dynamic Range



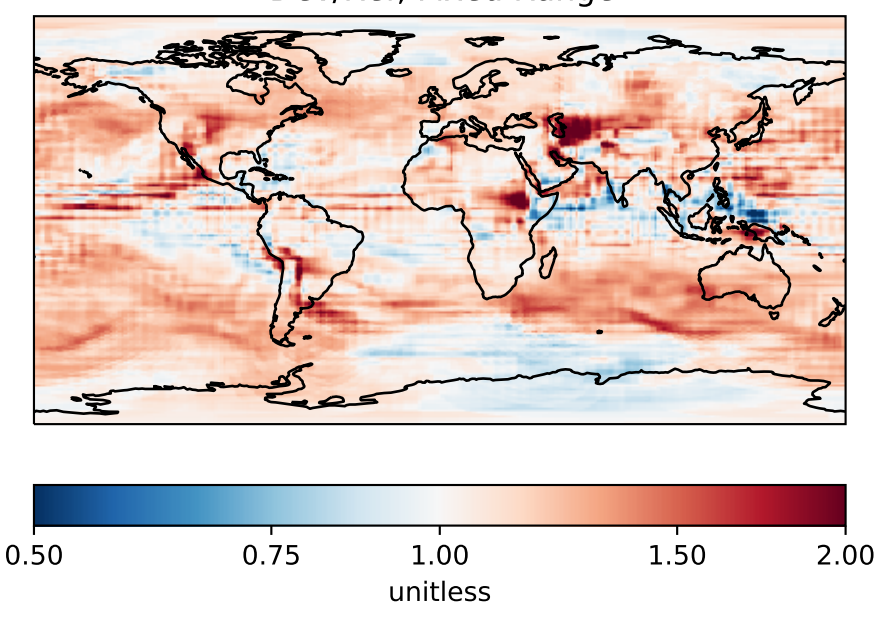
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)
Dev/Ref, Dynamic Range

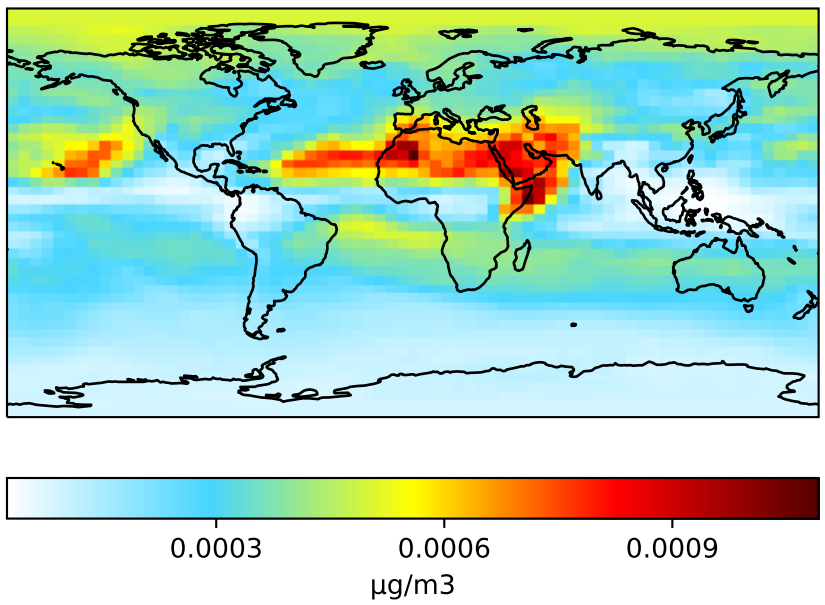


Ratio (1x1.25)
Dev/Ref, Fixed Range

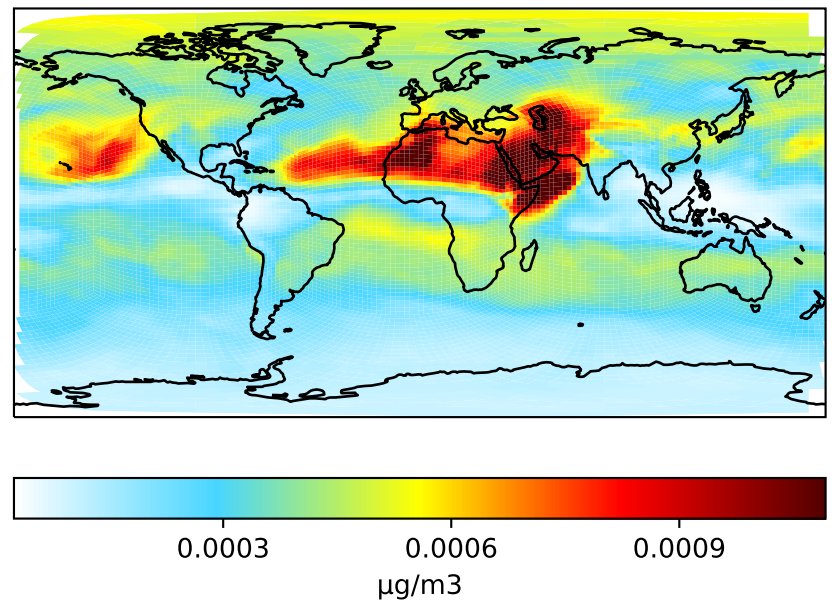


SpeciesConc_AERI

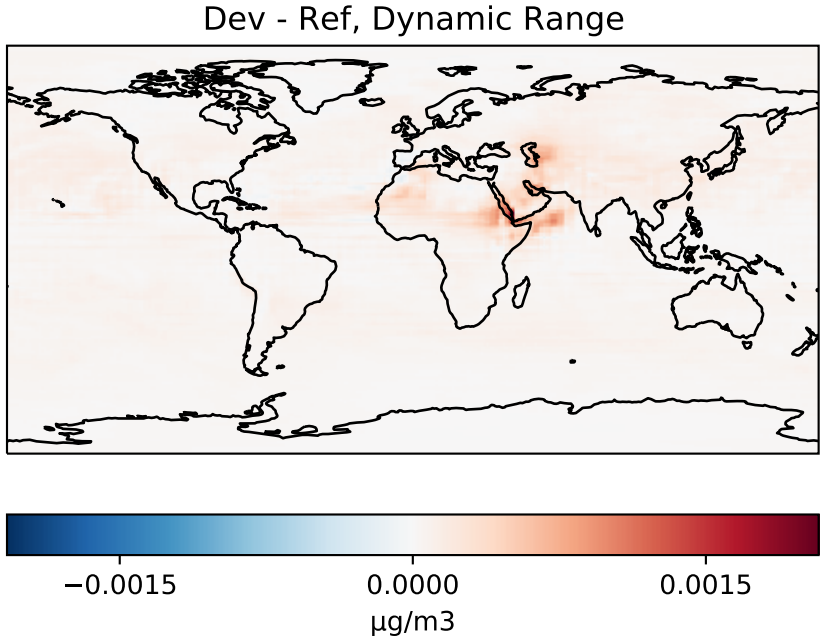
GCC_13.1.0-beta.1 (Ref)
4.0x5.0



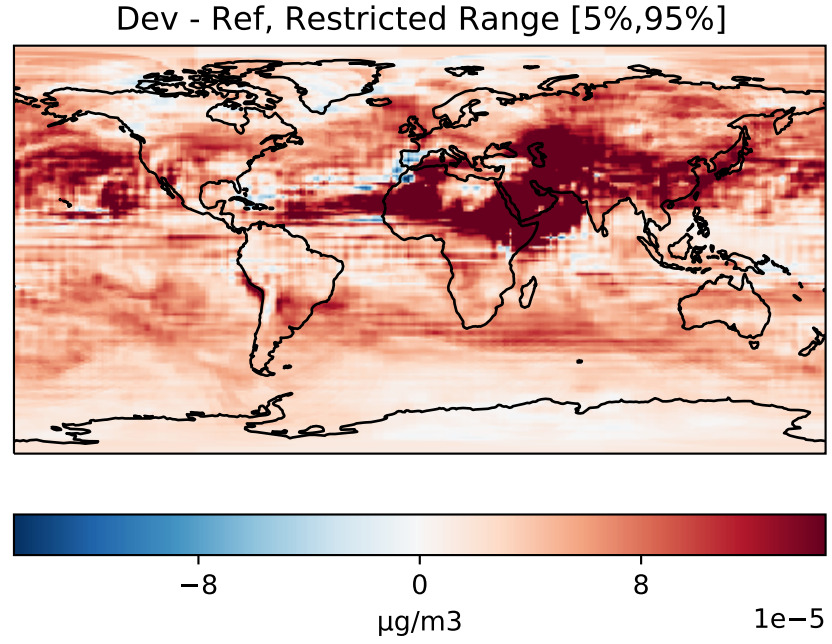
GCHP_13.1.0-beta.1 (Dev)
c48



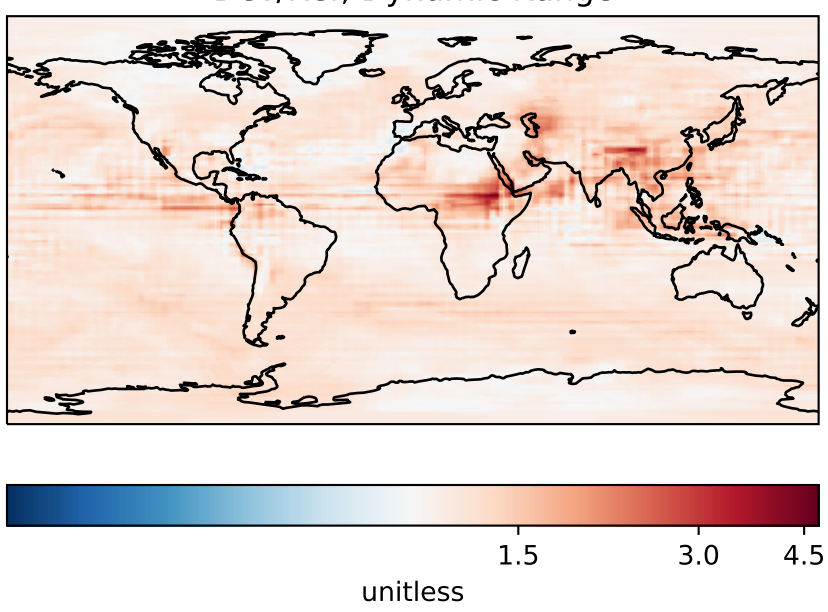
Difference (1x1.25)
Dev - Ref, Dynamic Range



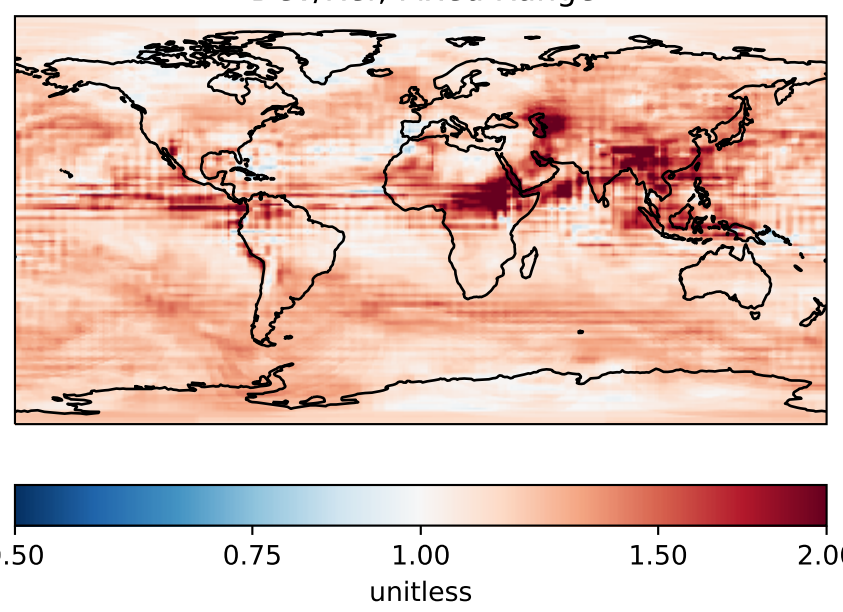
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)
Dev/Ref, Dynamic Range

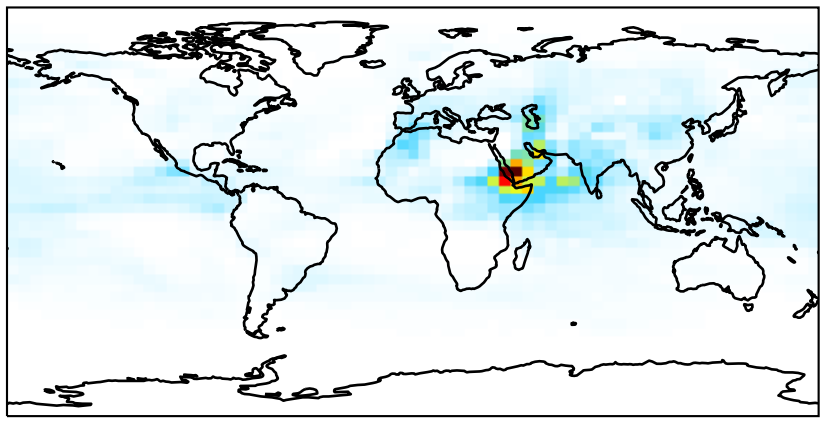


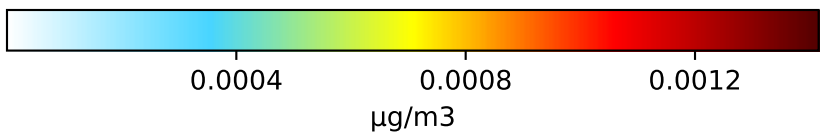
Ratio (1x1.25)
Dev/Ref, Fixed Range



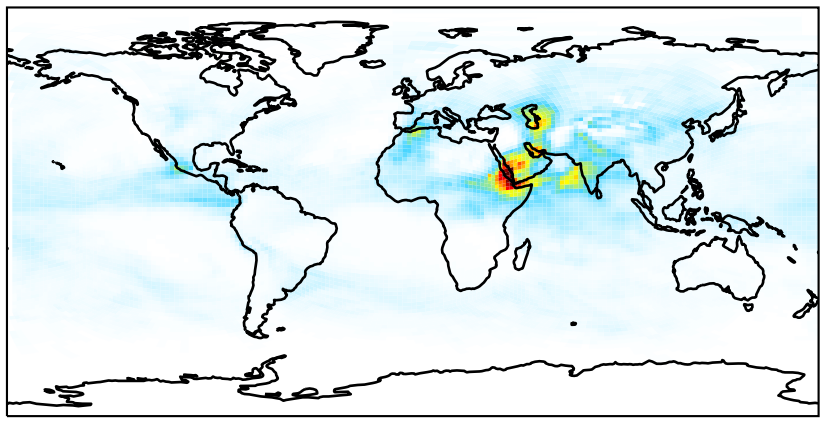
SpeciesConc_BrSALA

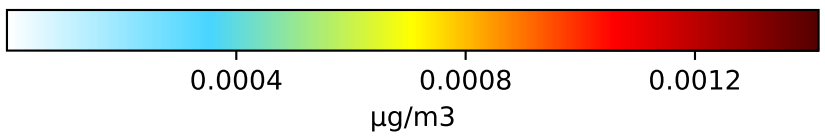
GCC_13.1.0-beta.1 (Ref)
4.0x5.0



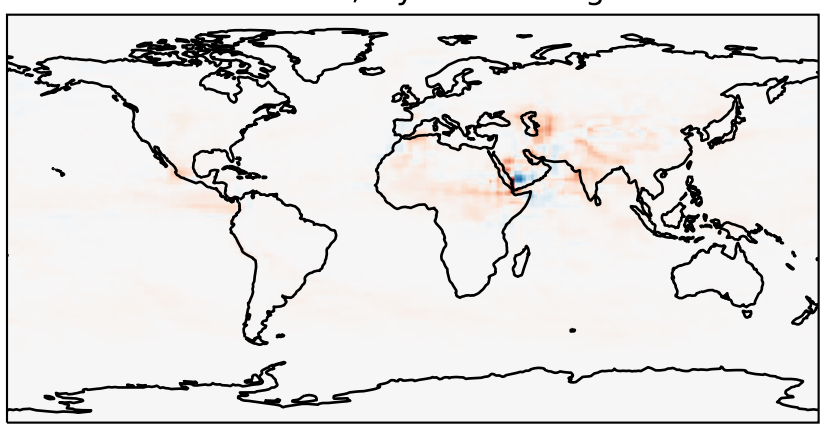


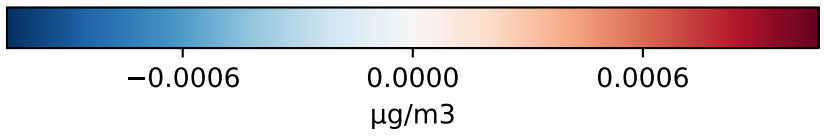
GCHP_13.1.0-beta.1 (Dev)
c48



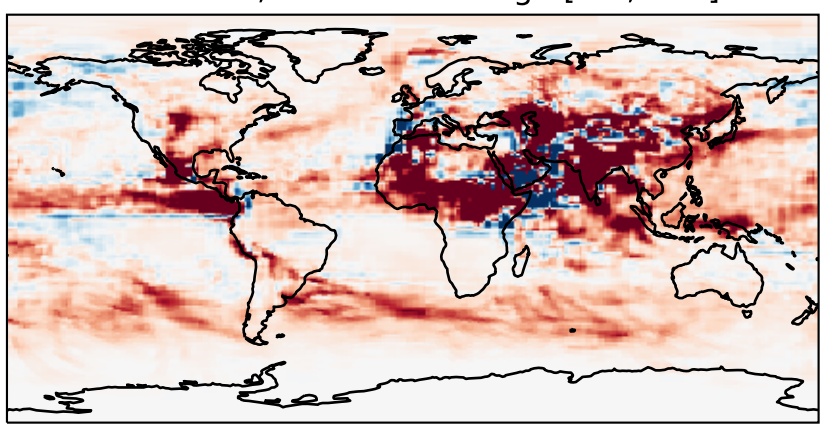


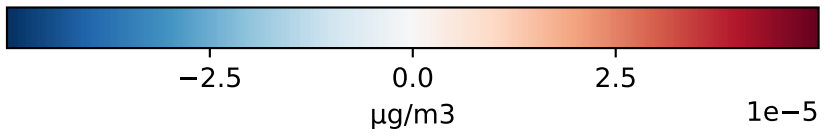
Difference (1x1.25)
Dev - Ref, Dynamic Range



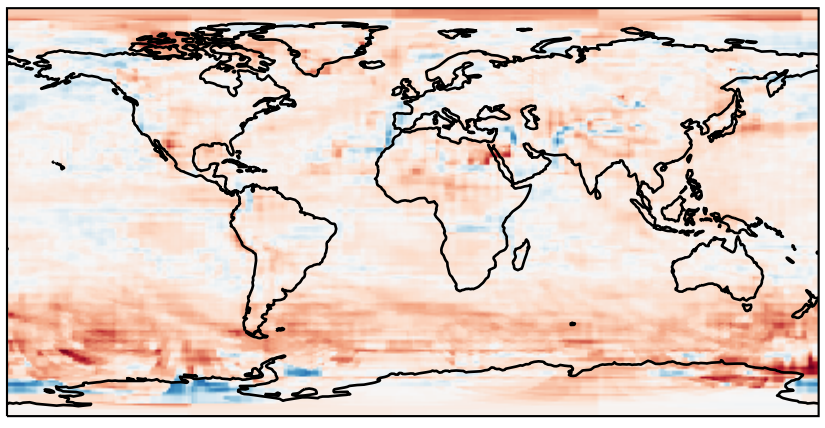


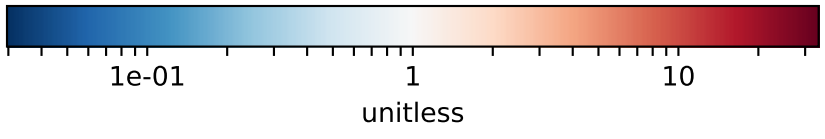
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



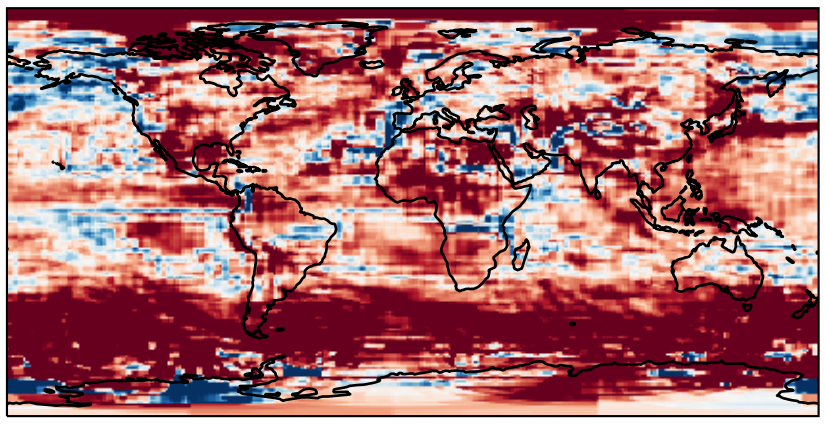


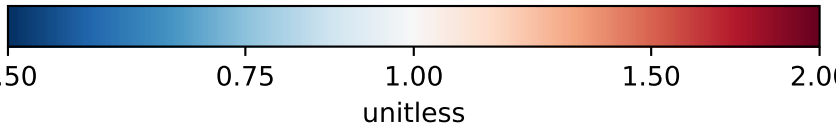
Ratio (1x1.25)
Dev/Ref, Dynamic Range





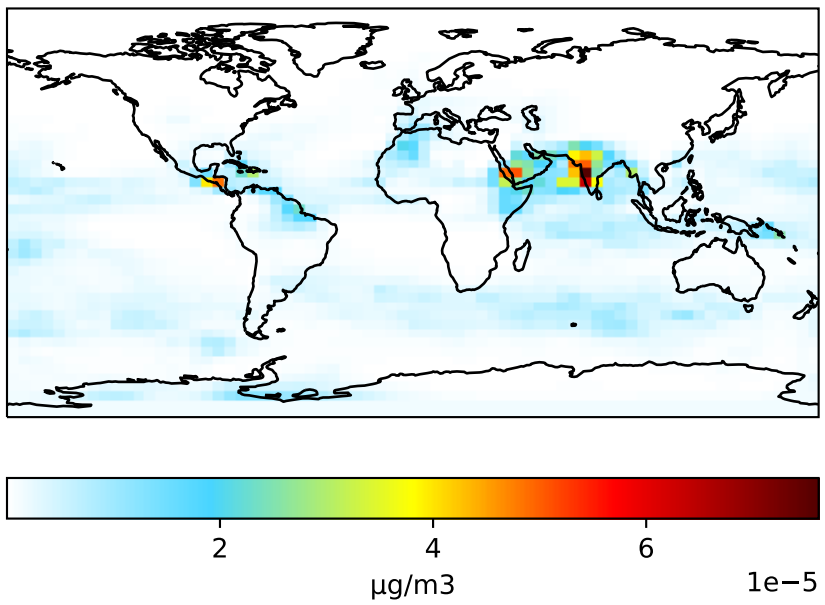
Ratio (1x1.25)
Dev/Ref, Fixed Range



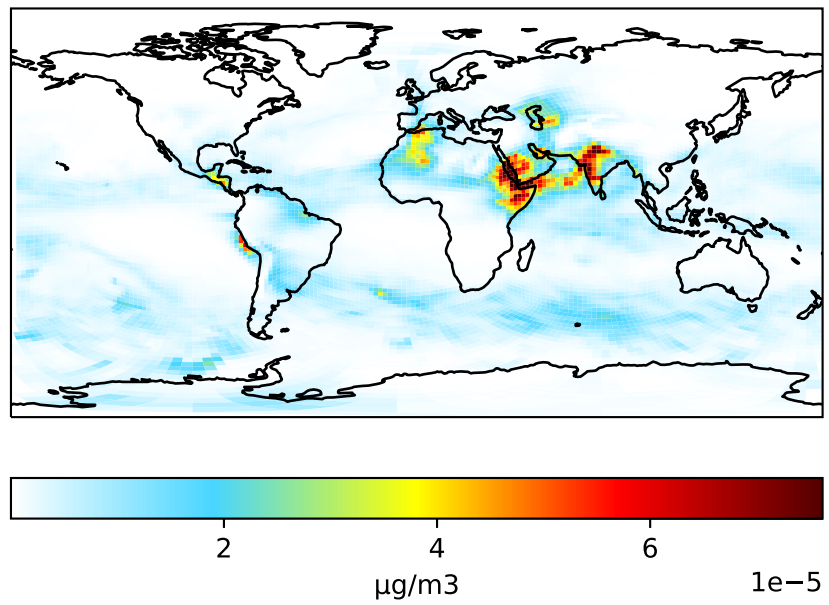


SpeciesConc_BrSALC

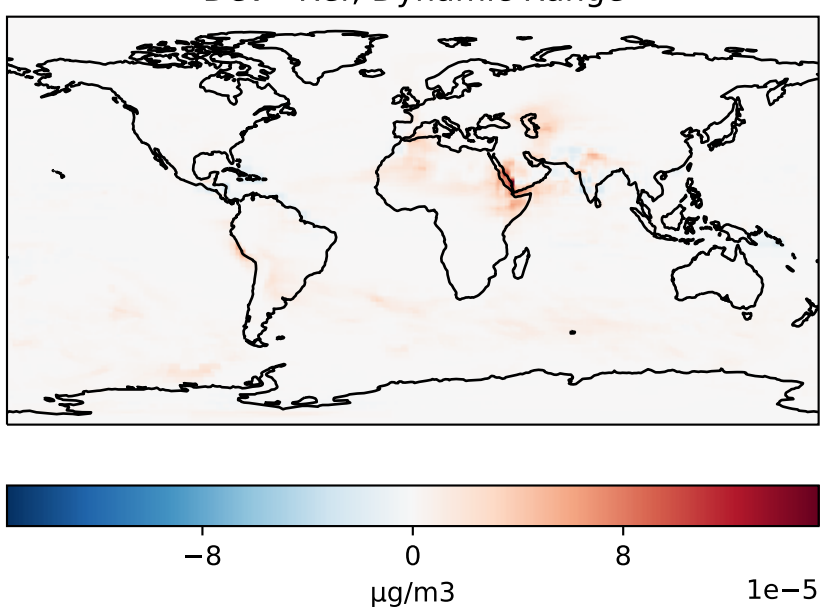
GCC_13.1.0-beta.1 (Ref)
4.0x5.0



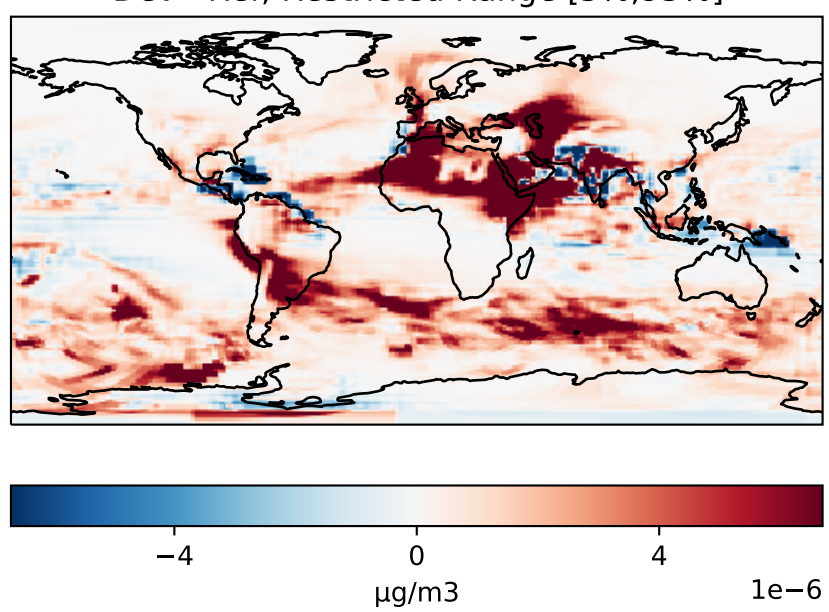
GCHP_13.1.0-beta.1 (Dev)
c48



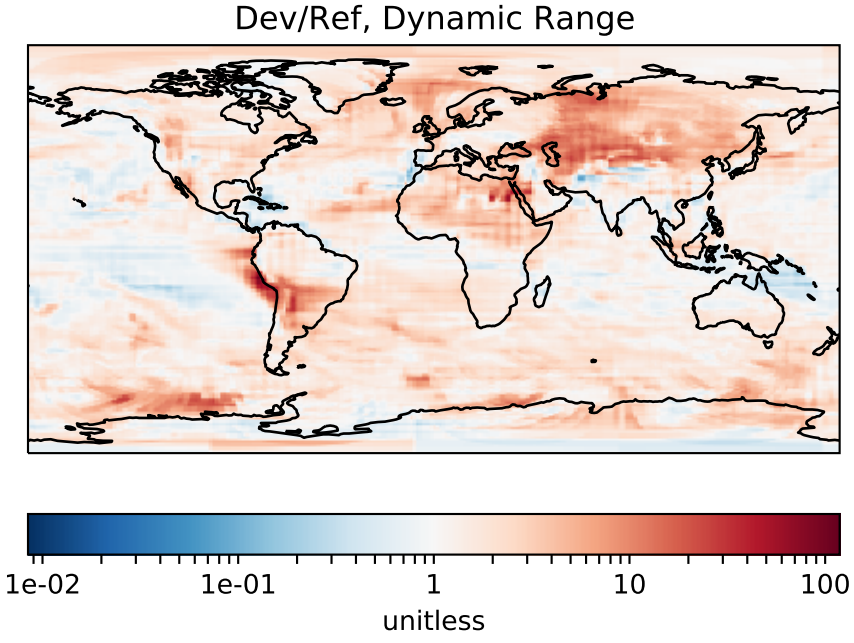
Difference (1x1.25)
Dev - Ref, Dynamic Range



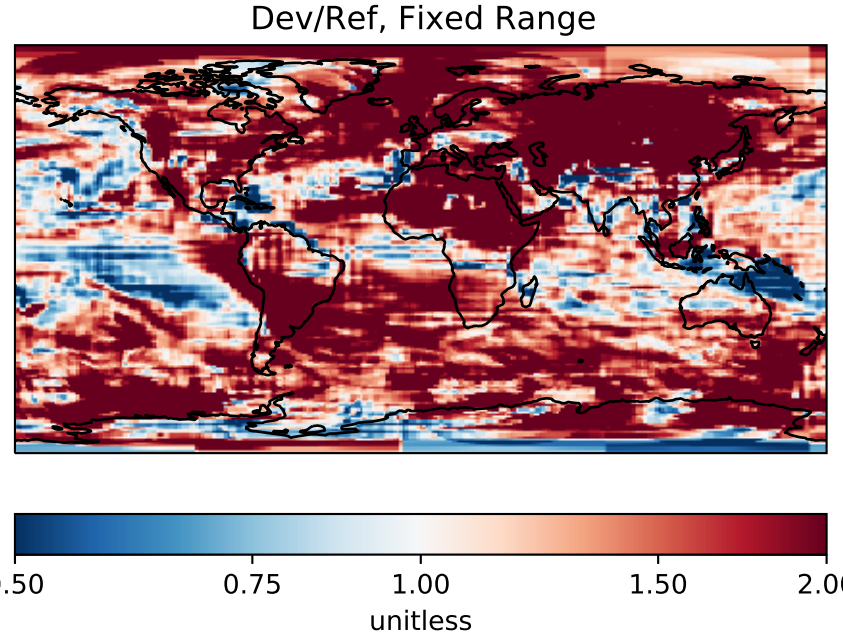
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)
Dev/Ref, Dynamic Range

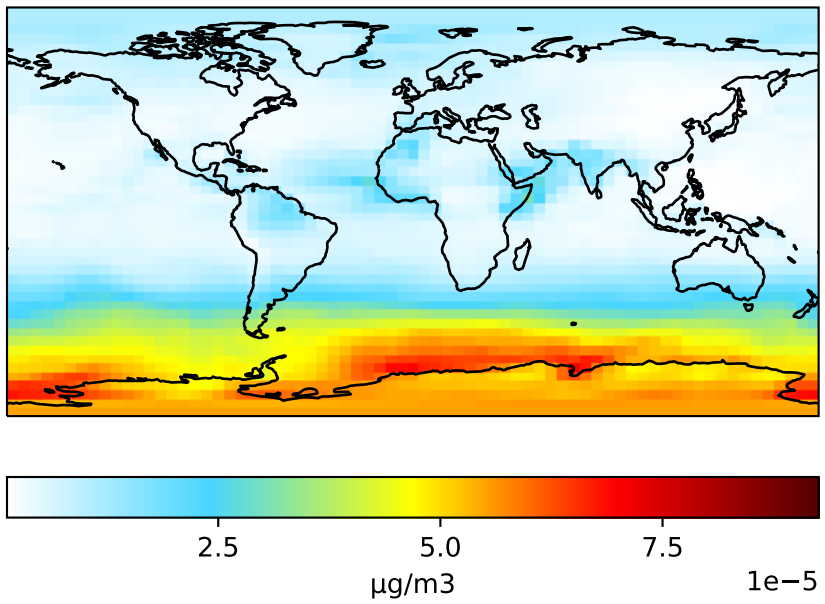


Ratio (1x1.25)
Dev/Ref, Fixed Range

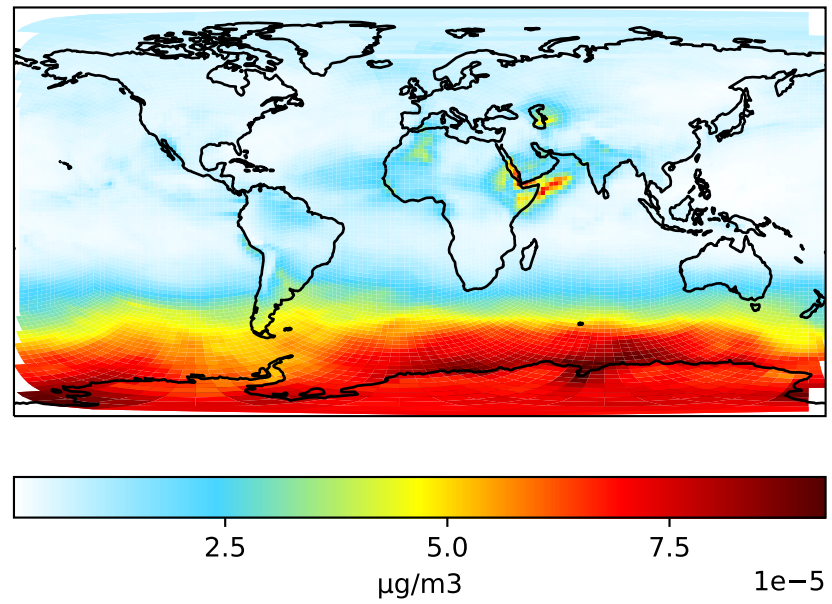


SpeciesConc_ISALA

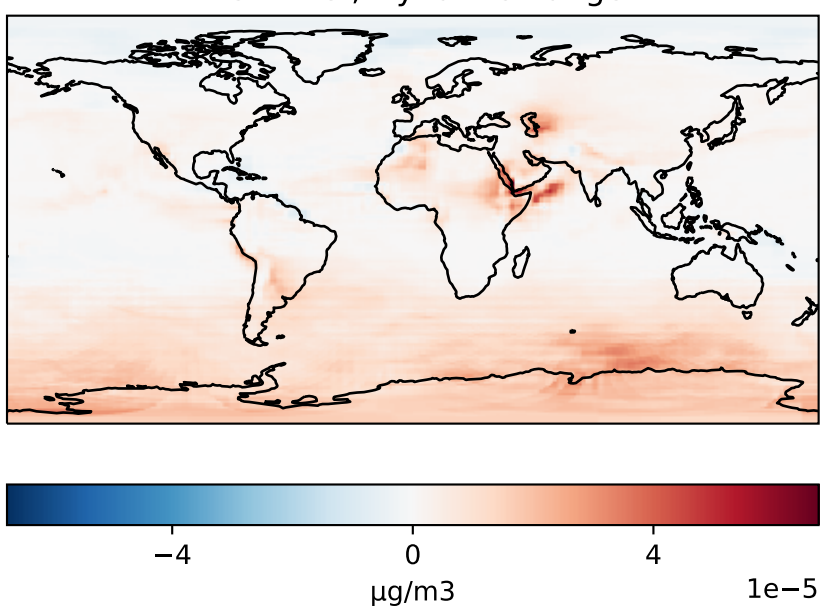
GCC_13.1.0-beta.1 (Ref)
4.0x5.0



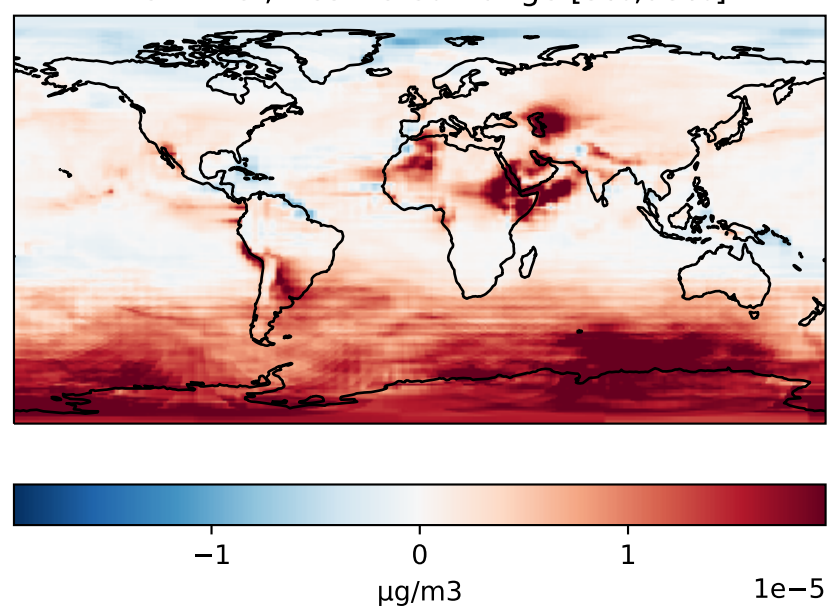
GCHP_13.1.0-beta.1 (Dev)
c48



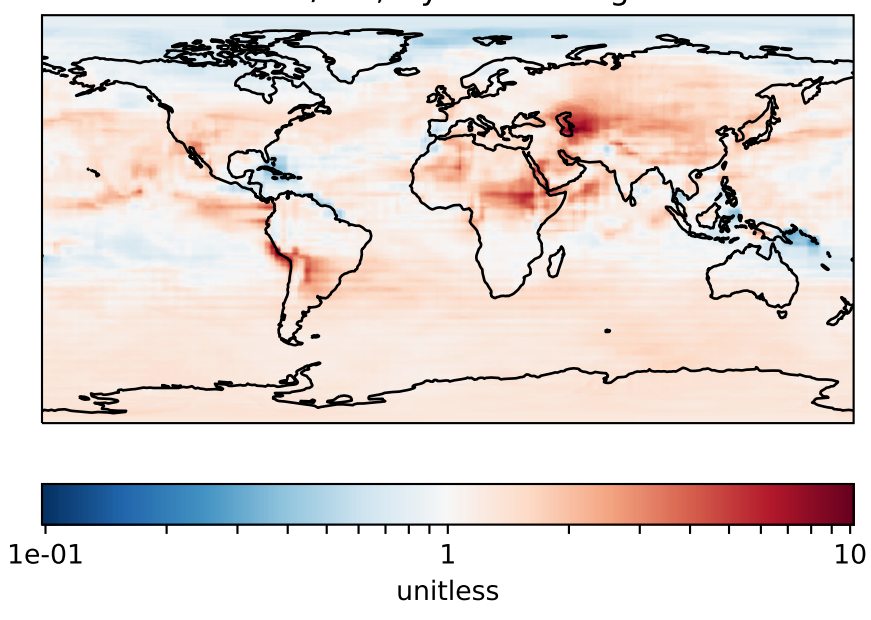
Difference (1x1.25)
Dev - Ref, Dynamic Range



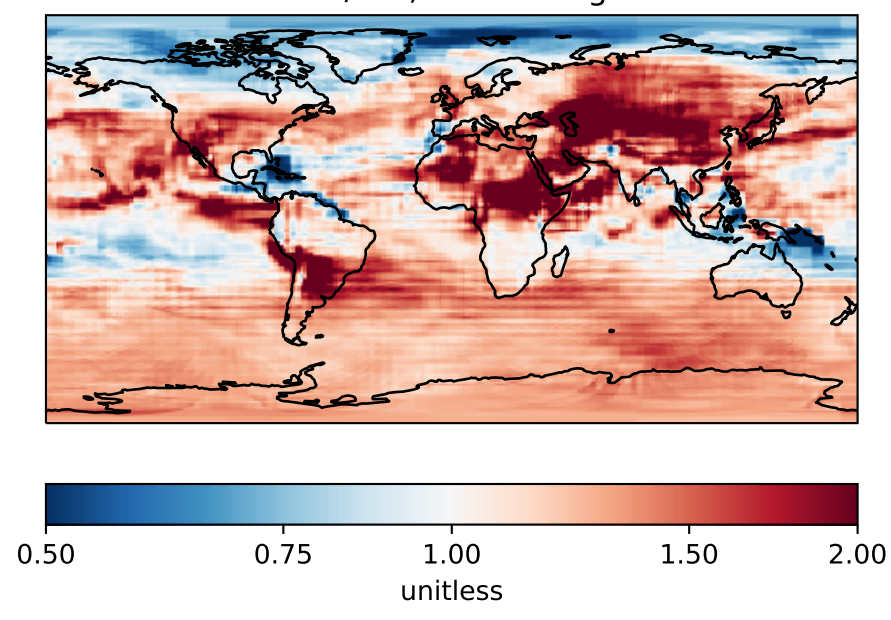
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)
Dev/Ref, Dynamic Range

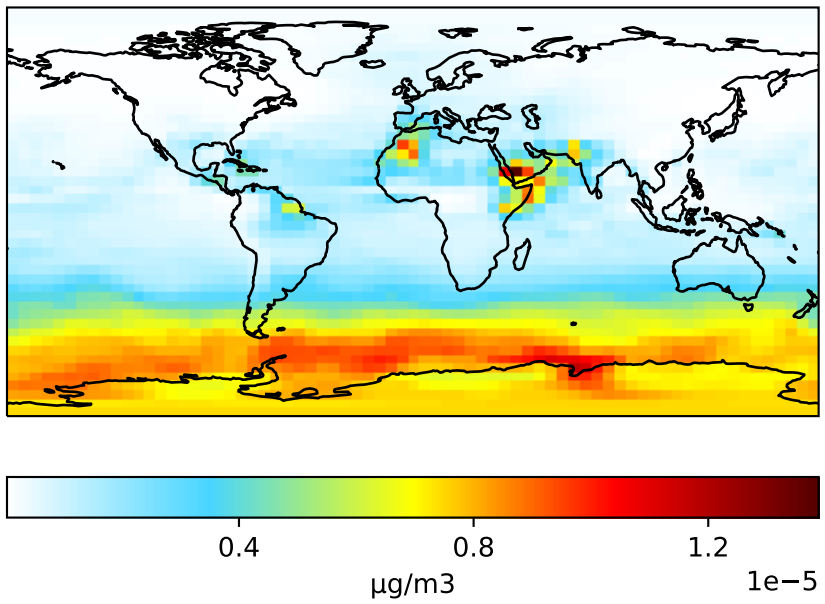


Ratio (1x1.25)
Dev/Ref, Fixed Range

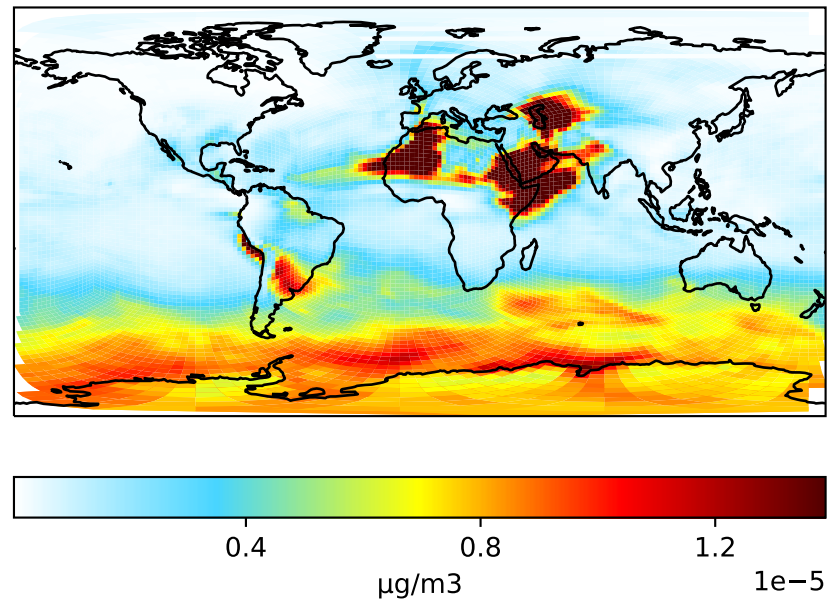


SpeciesConc_ISALC

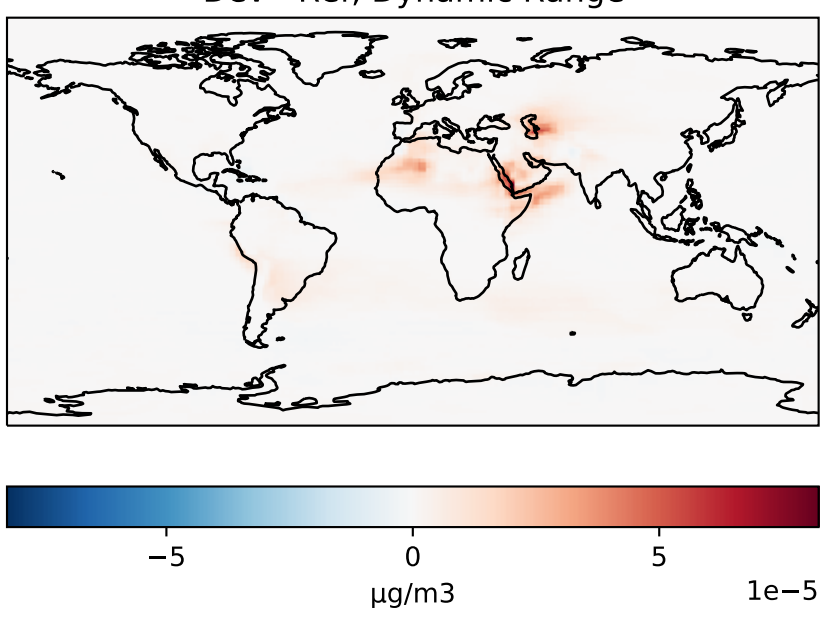
GCC_13.1.0-beta.1 (Ref)
4.0x5.0



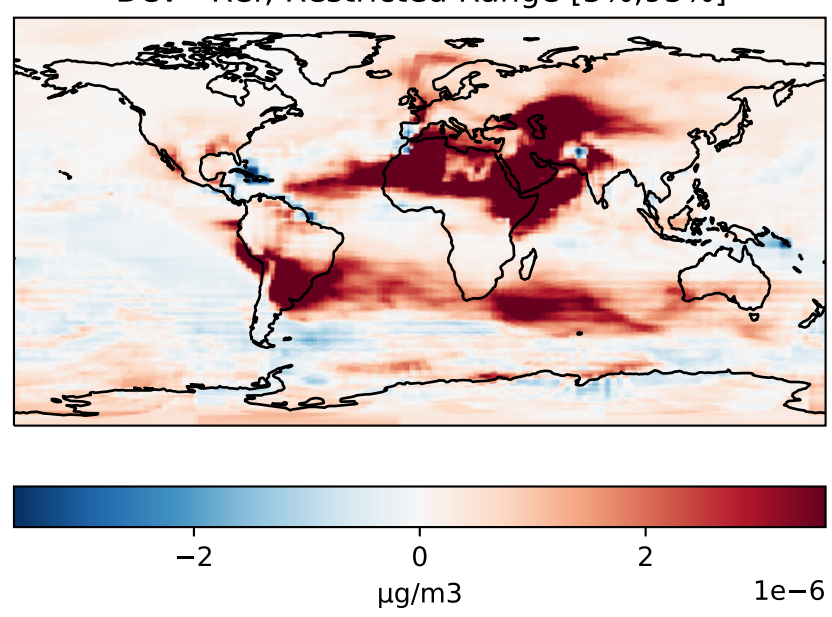
GCHP_13.1.0-beta.1 (Dev)
c48



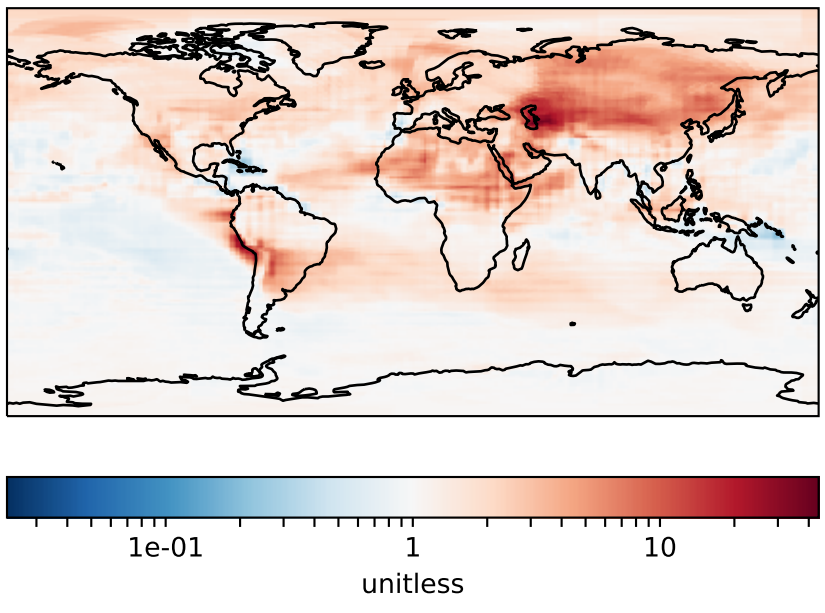
Difference (1x1.25)
Dev - Ref, Dynamic Range



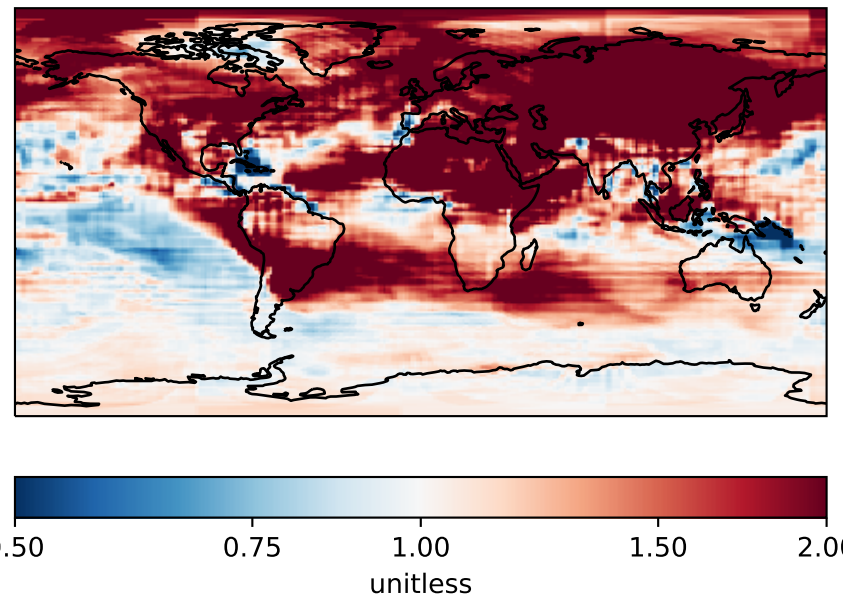
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)
Dev/Ref, Dynamic Range

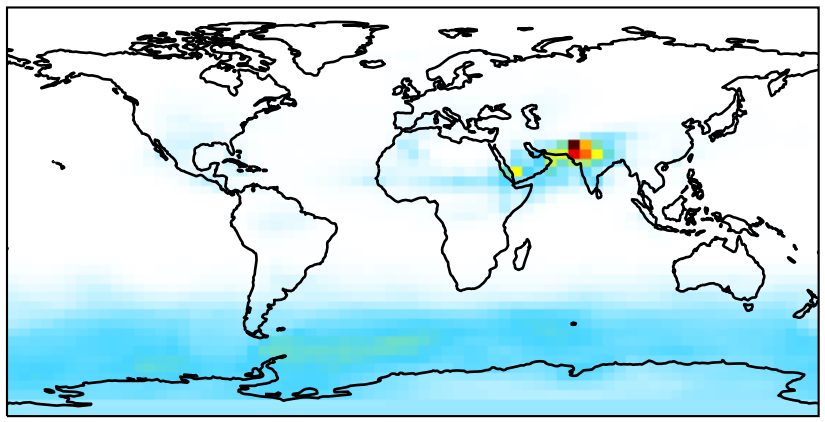


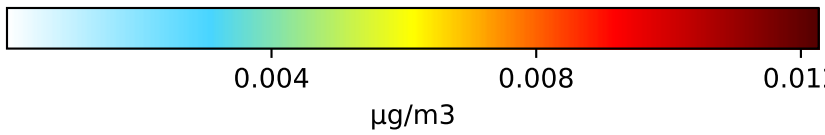
Ratio (1x1.25)
Dev/Ref, Fixed Range



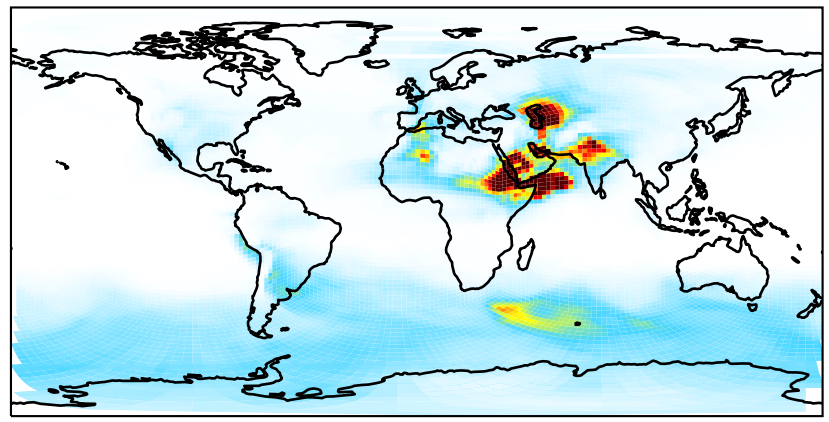
SpeciesConc_NITs

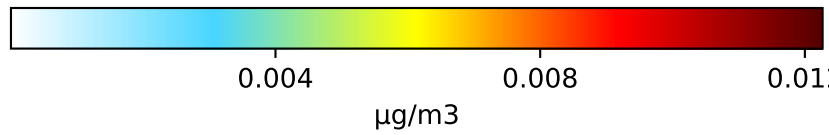
GCC_13.1.0-beta.1 (Ref)
4.0x5.0



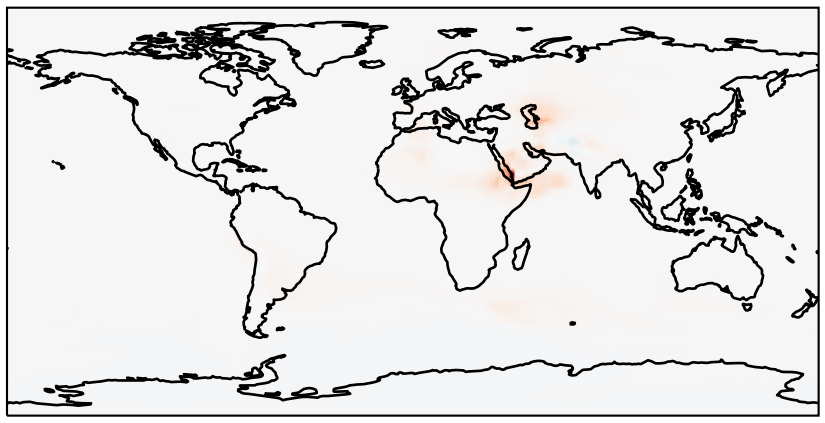


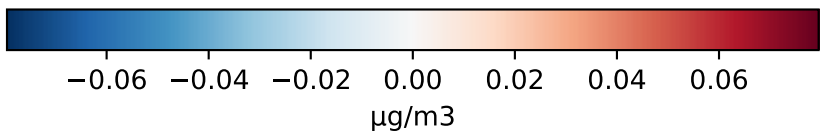
GCHP_13.1.0-beta.1 (Dev)
c48



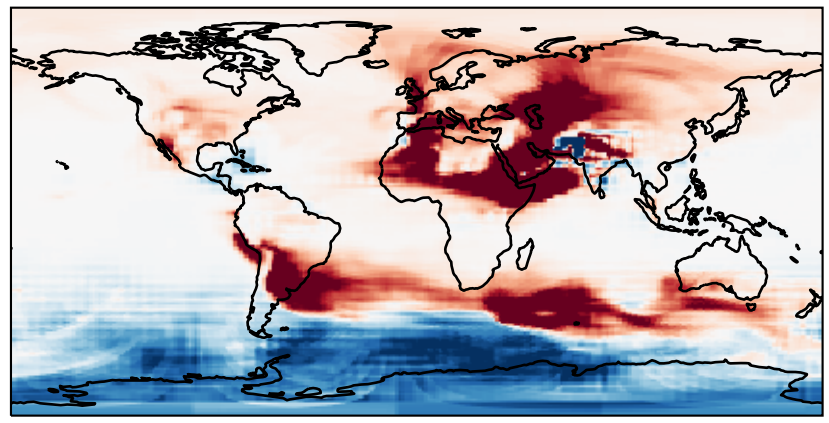


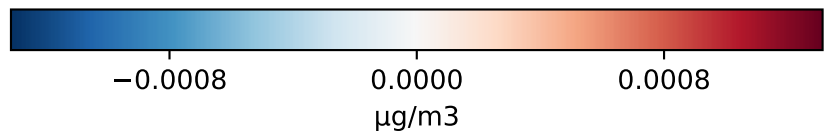
Difference (1x1.25)
Dev - Ref, Dynamic Range



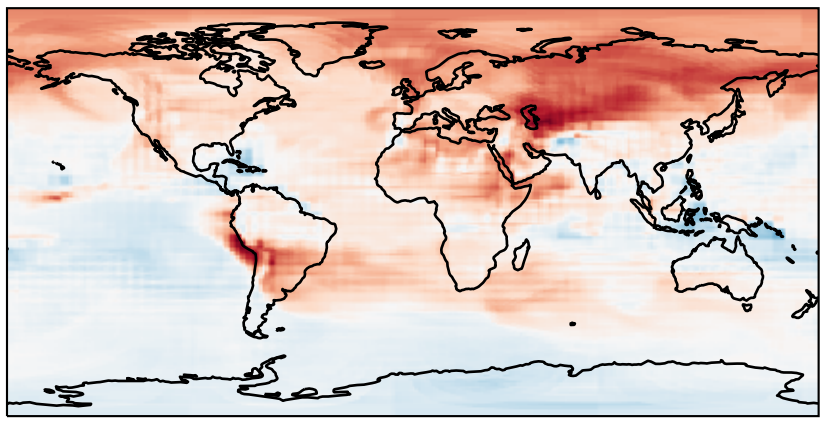


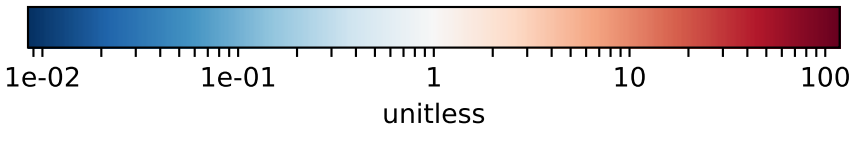
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



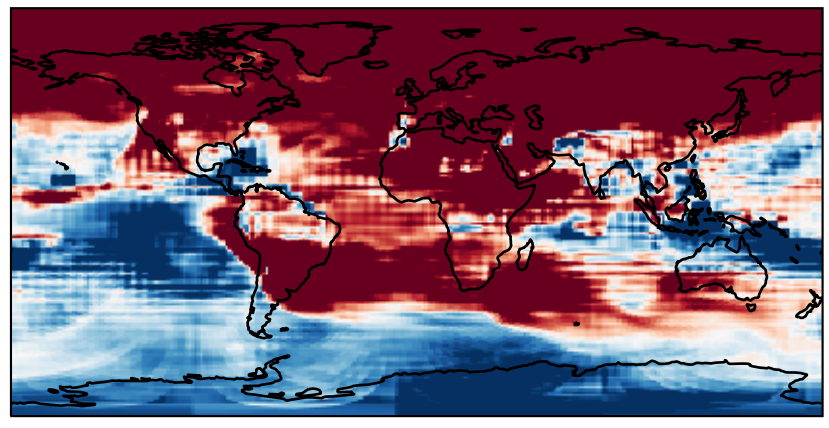


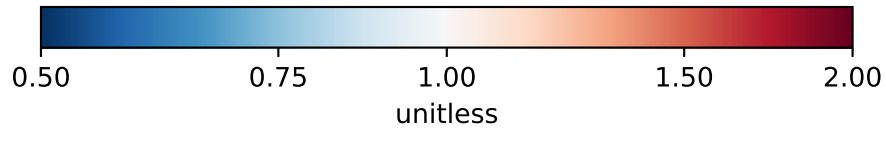
Ratio (1x1.25)
Dev/Ref, Dynamic Range





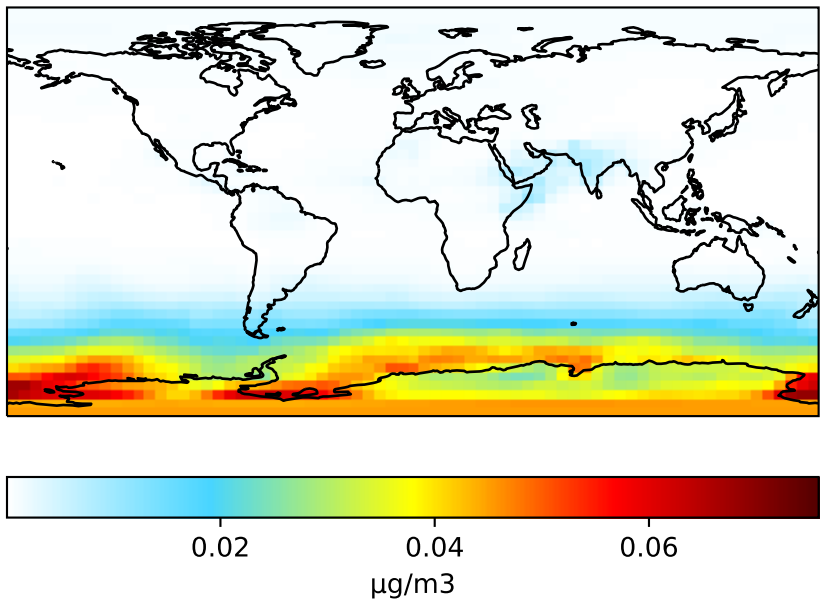
Ratio (1x1.25)
Dev/Ref, Fixed Range



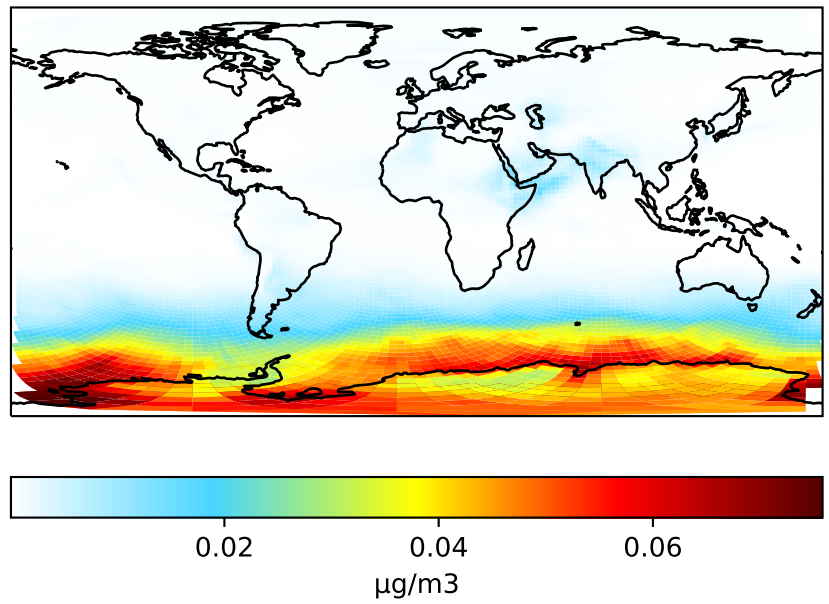


SpeciesConc_SALA

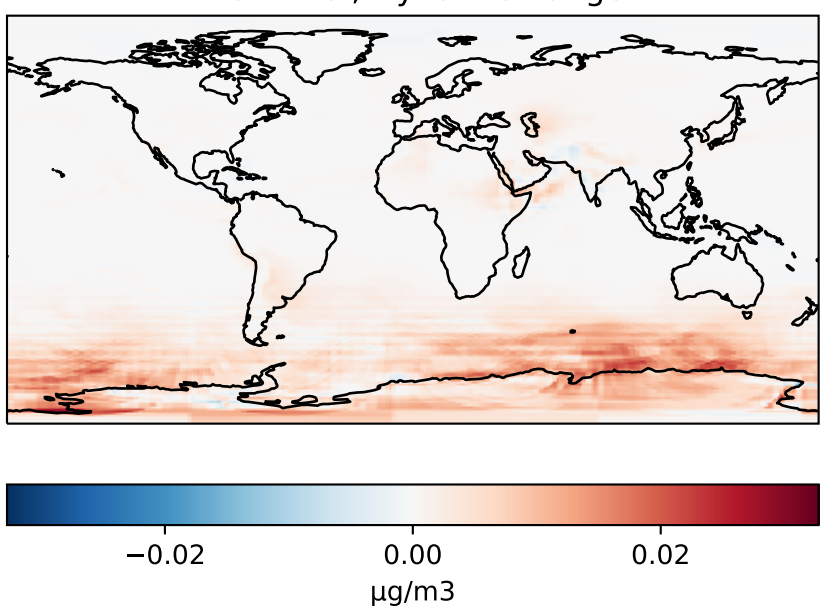
GCC_13.1.0-beta.1 (Ref)
4.0x5.0



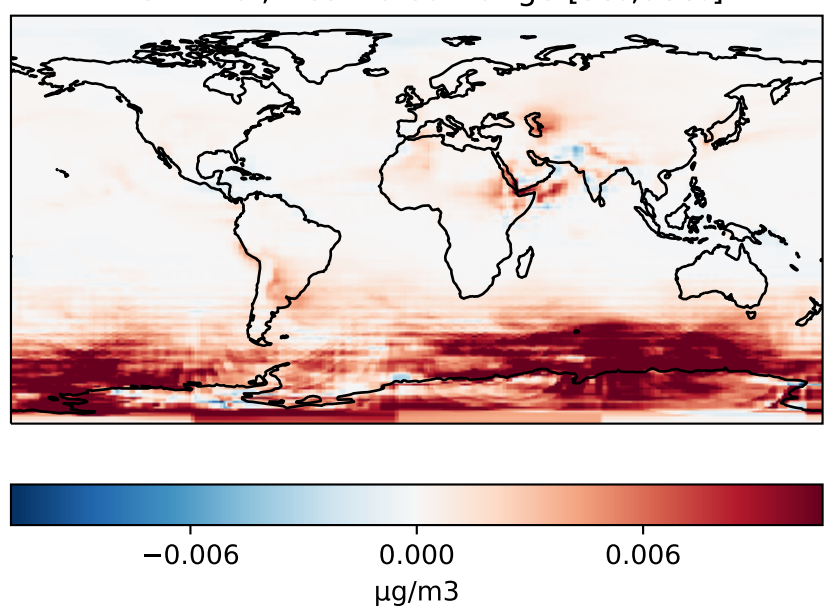
GCHP_13.1.0-beta.1 (Dev)
c48



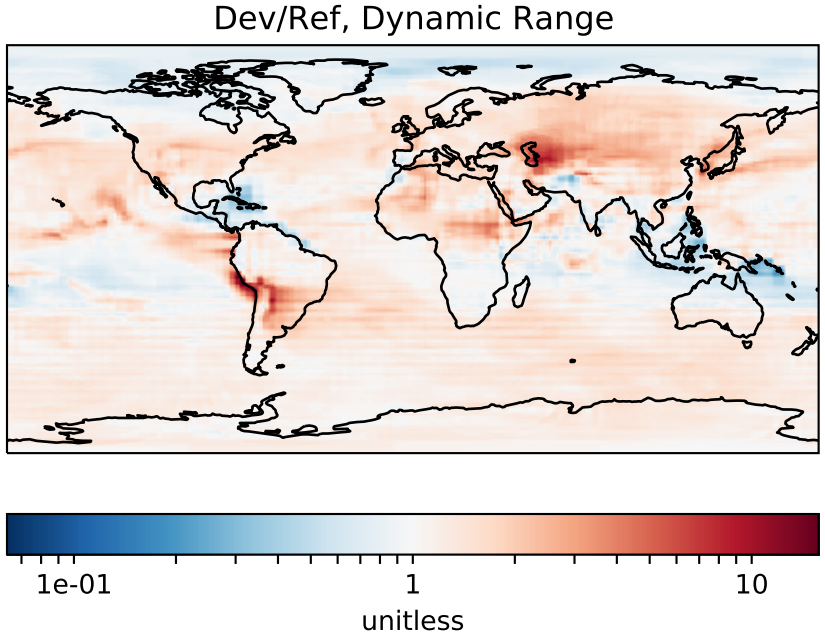
Difference (1x1.25)
Dev - Ref, Dynamic Range



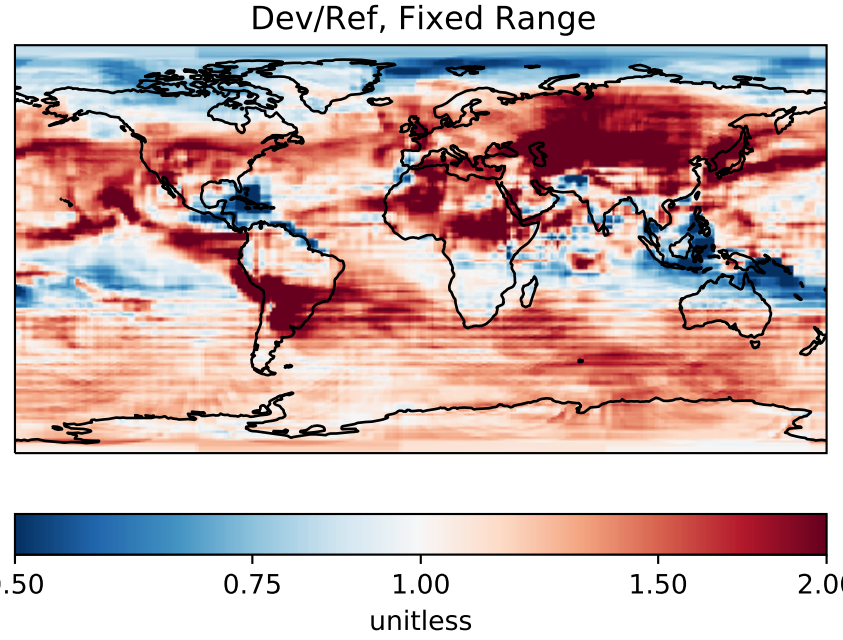
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)
Dev/Ref, Dynamic Range

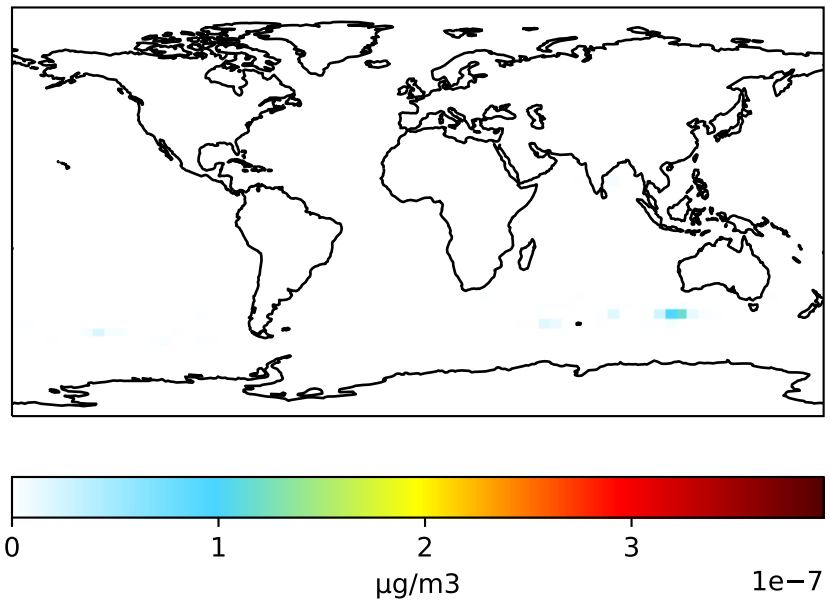


Ratio (1x1.25)
Dev/Ref, Fixed Range

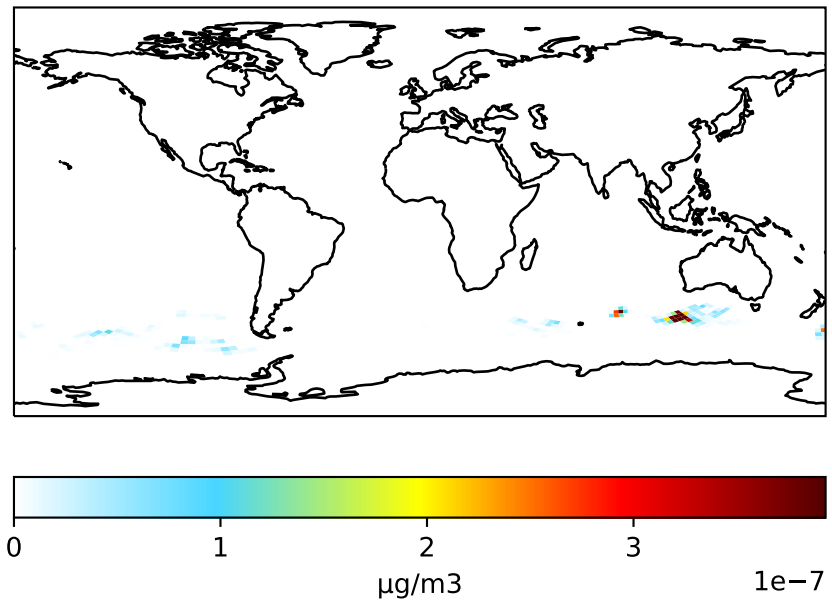


SpeciesConc_SALAAL

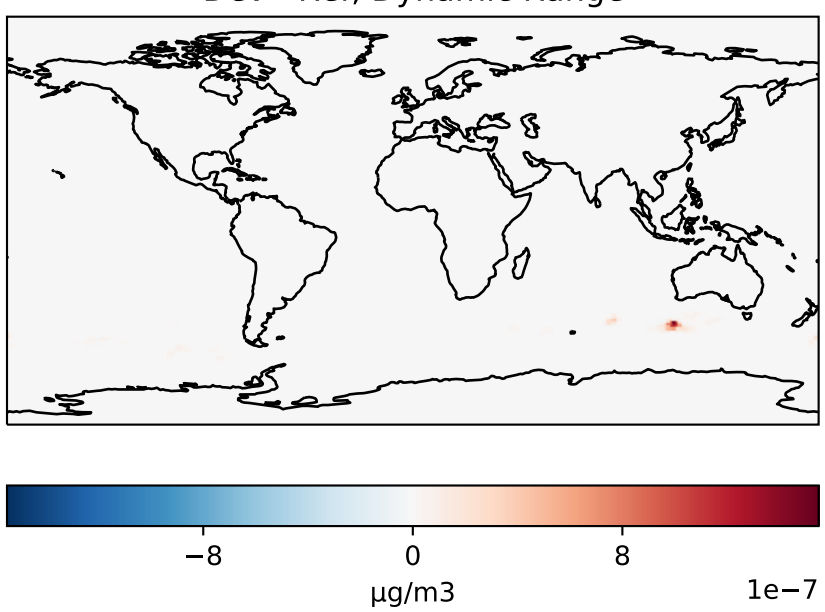
GCC_13.1.0-beta.1 (Ref)
4.0x5.0



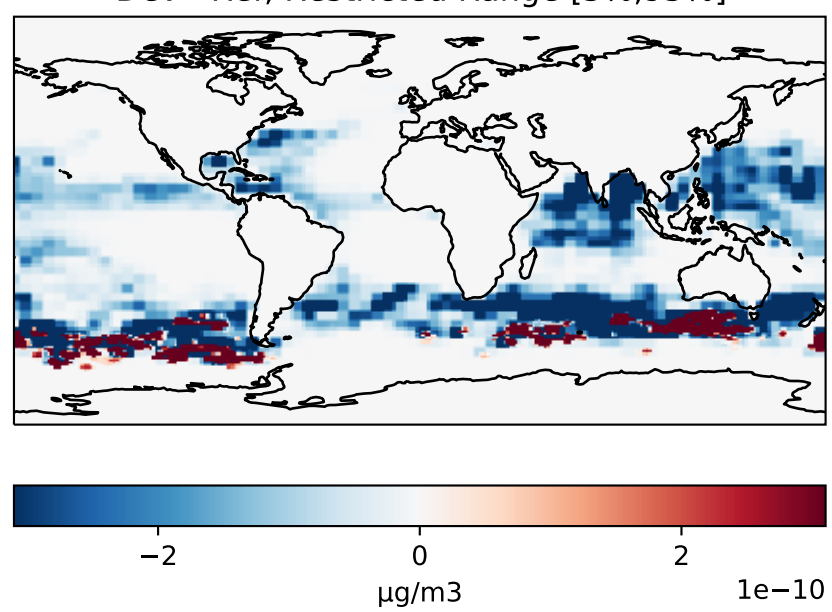
GCHP_13.1.0-beta.1 (Dev)
c48



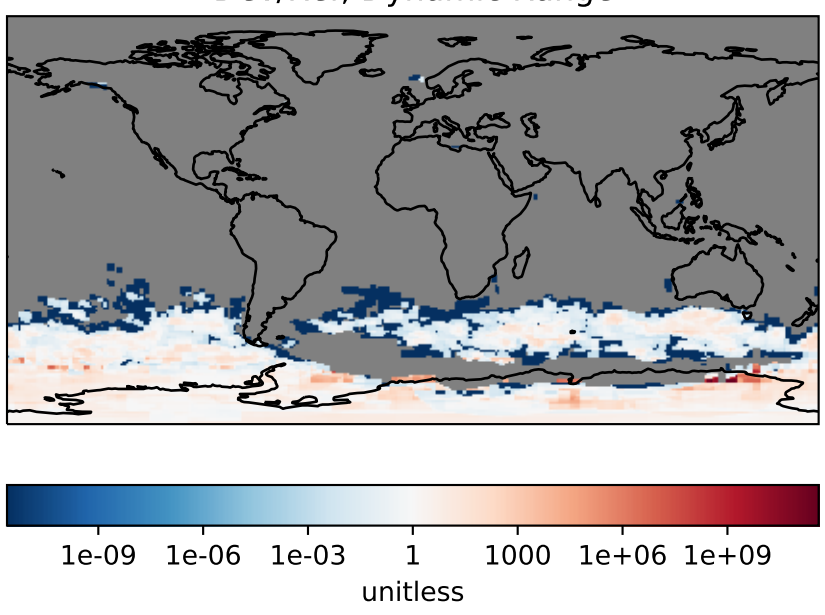
Difference (1x1.25)
Dev - Ref, Dynamic Range



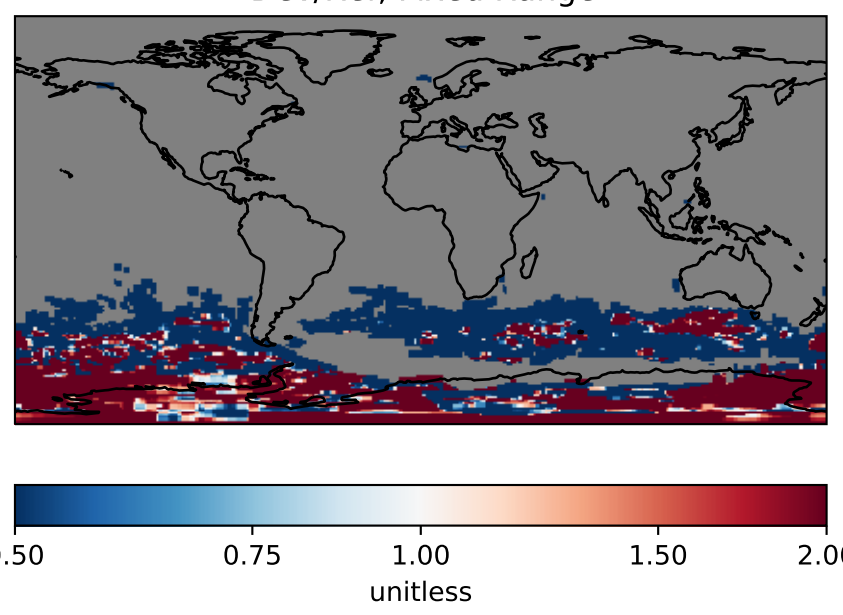
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)
Dev/Ref, Dynamic Range

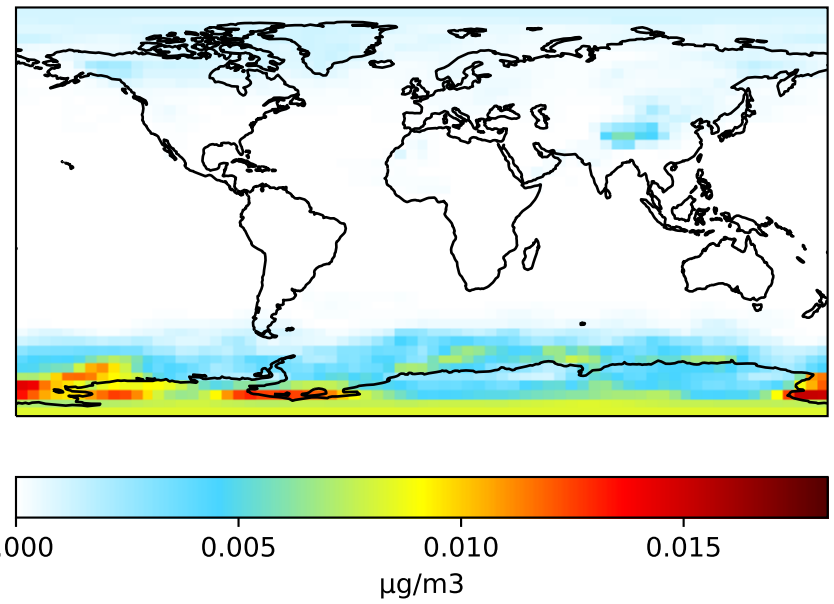


Ratio (1x1.25)
Dev/Ref, Fixed Range

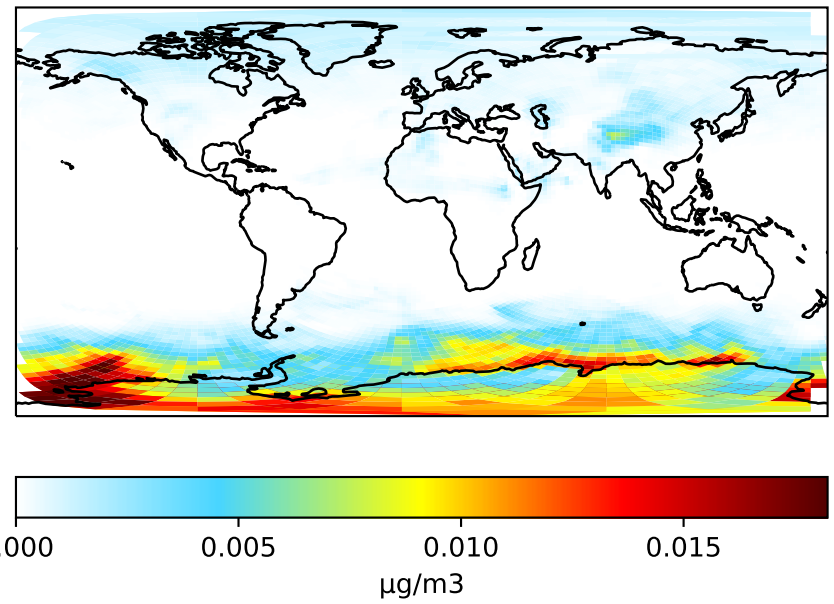


SpeciesConc_SALACL

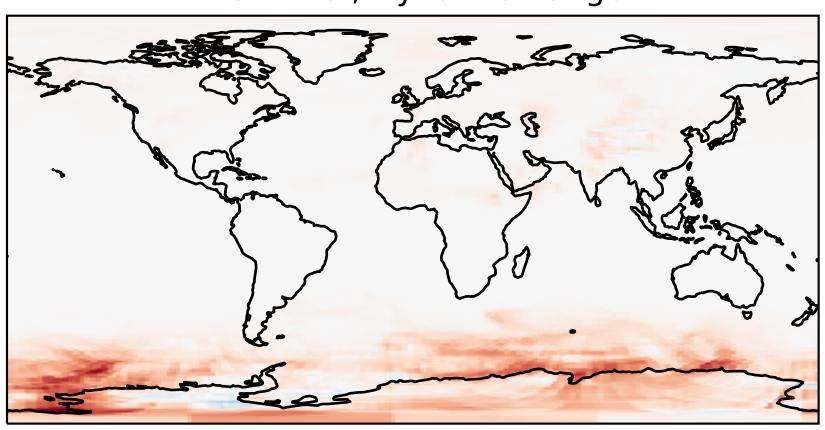
GCC_13.1.0-beta.1 (Ref)
4.0x5.0

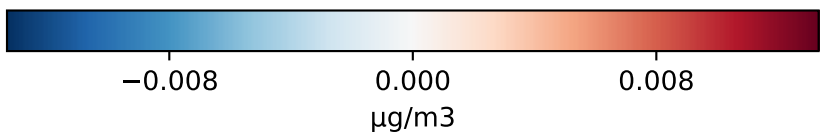


GCHP_13.1.0-beta.1 (Dev)
c48

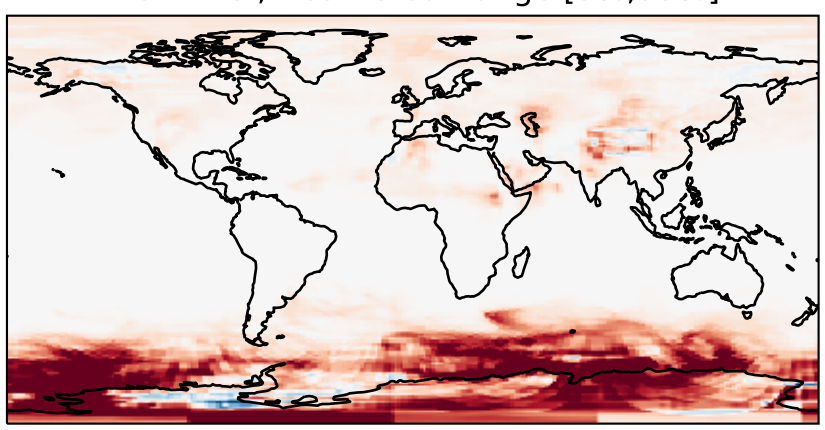


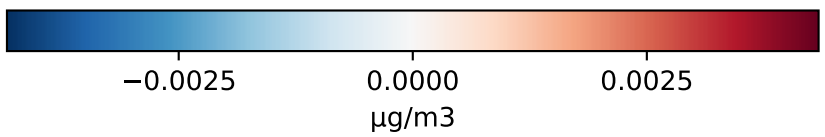
Difference (1x1.25)
Dev - Ref, Dynamic Range



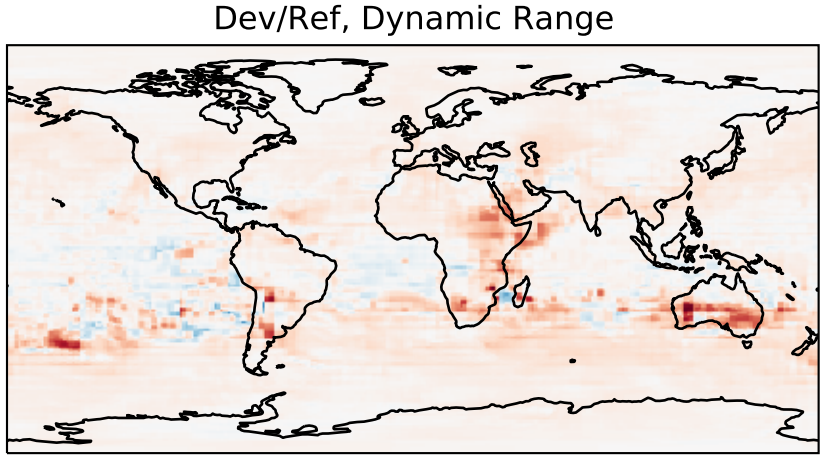


Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



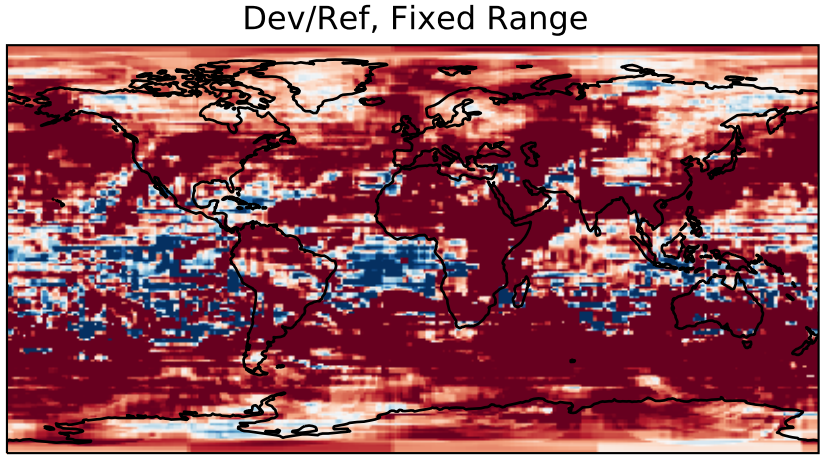


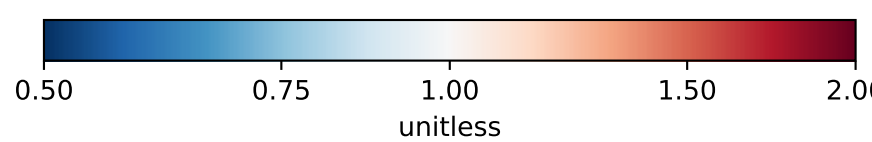
Ratio (1x1.25)
Dev/Ref, Dynamic Range





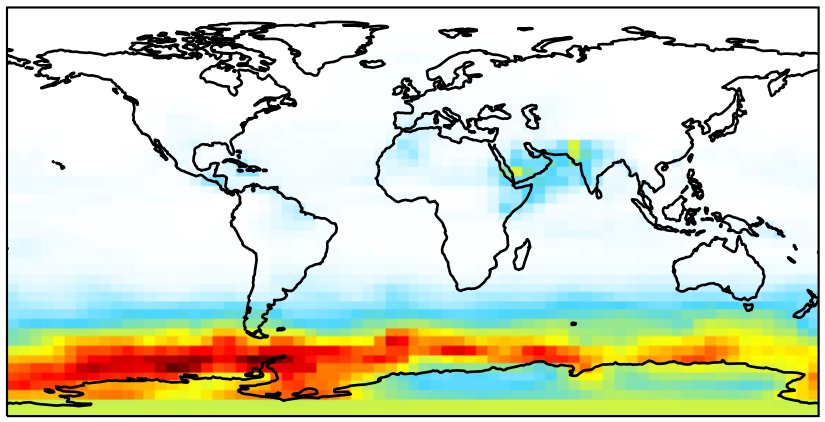
Ratio (1x1.25)
Dev/Ref, Fixed Range

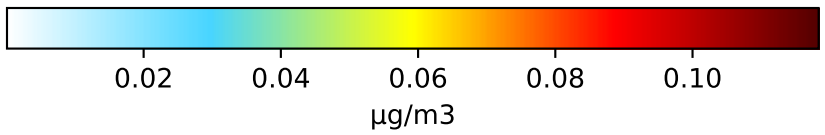




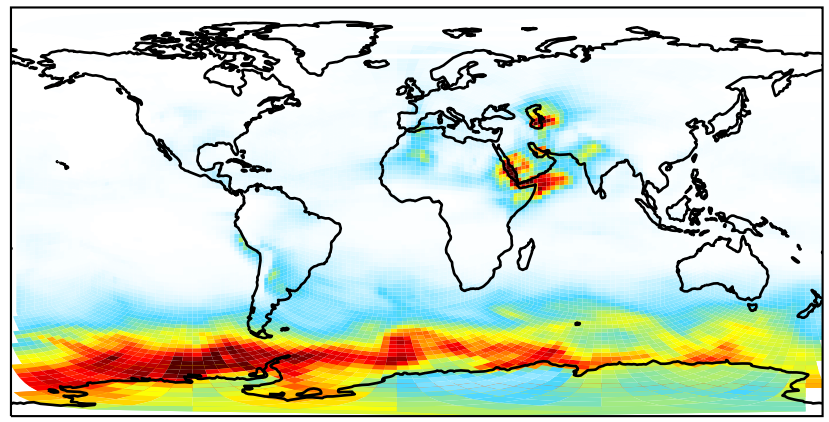
SpeciesConc_SALC

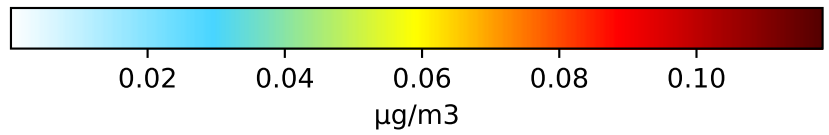
GCC_13.1.0-beta.1 (Ref)
4.0x5.0



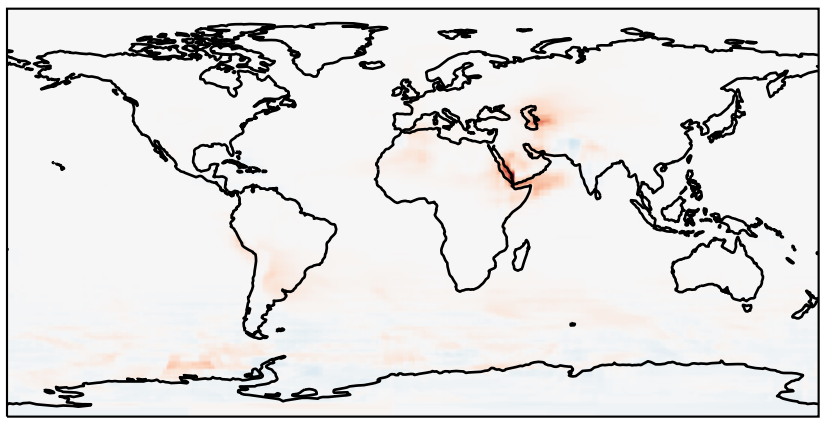


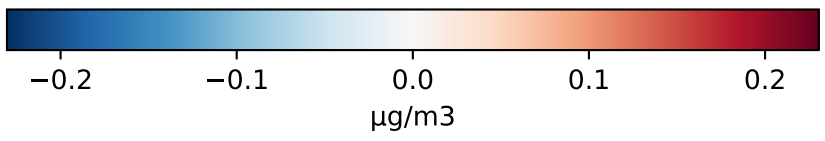
GCHP_13.1.0-beta.1 (Dev)
c48



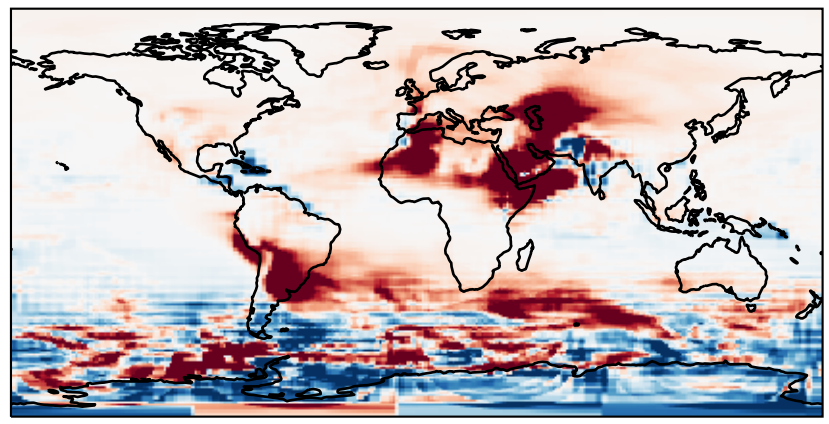


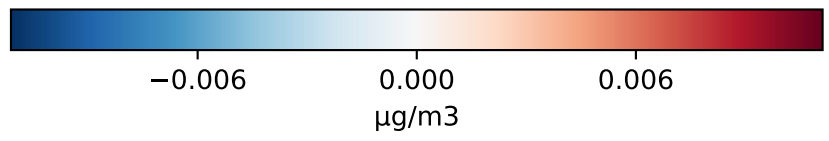
Difference (1x1.25)
Dev - Ref, Dynamic Range



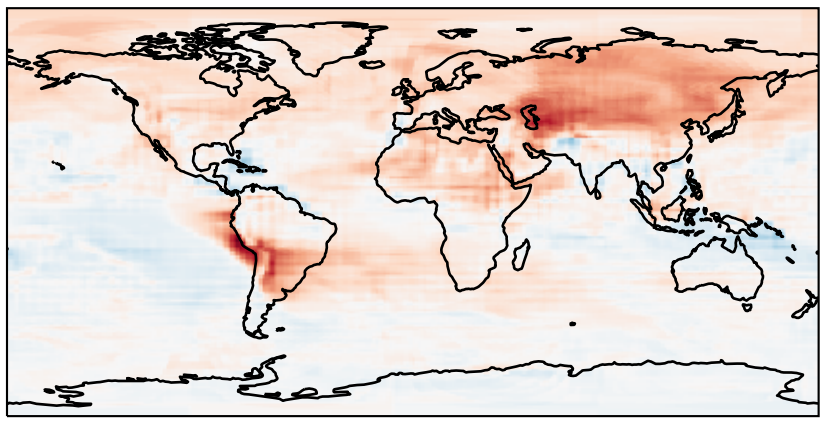


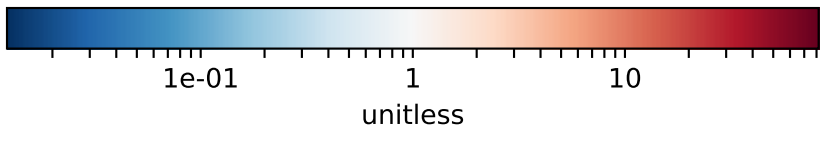
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



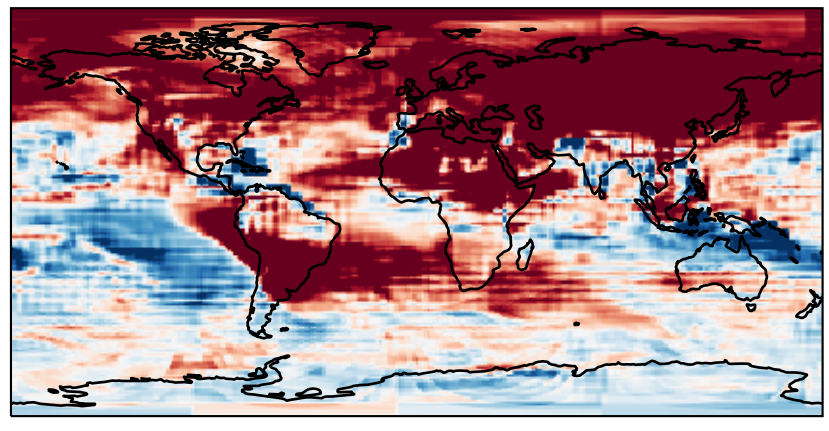


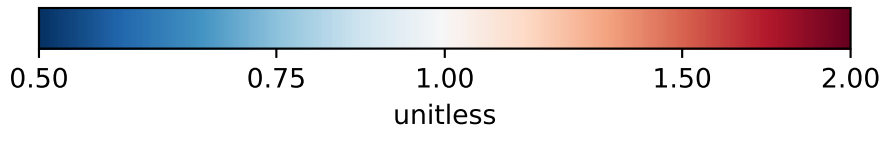
Ratio (1x1.25)
Dev/Ref, Dynamic Range





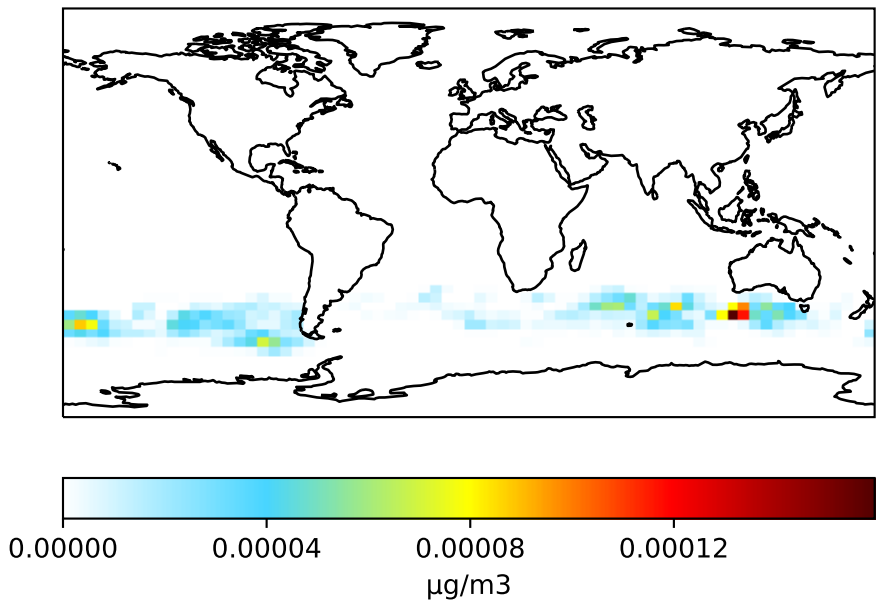
Ratio (1x1.25)
Dev/Ref, Fixed Range





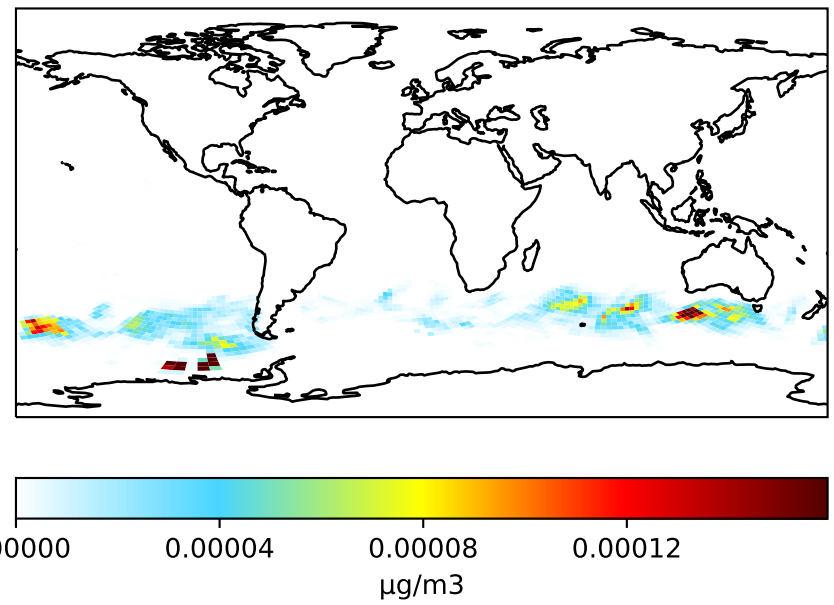
SpeciesConc_SALCAL

GCC_13.1.0-beta.1 (Ref)
4.0x5.0



0.00000 0.00004 0.00008 0.00012
µg/m3

GCHP_13.1.0-beta.1 (Dev)
c48



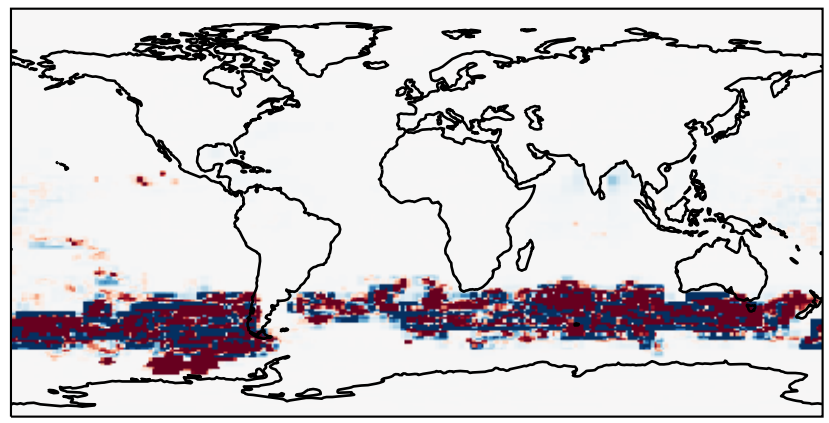
0.00000 0.00004 0.00008 0.00012
µg/m3

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



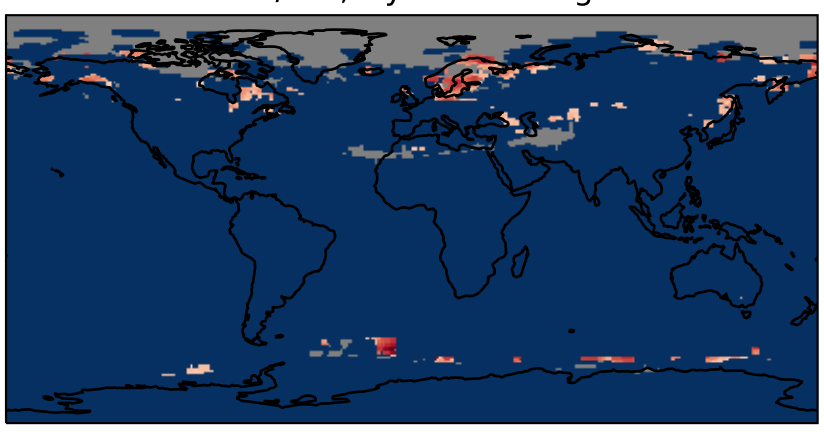
−0.0025 0.0000 0.0025
µg/m3

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



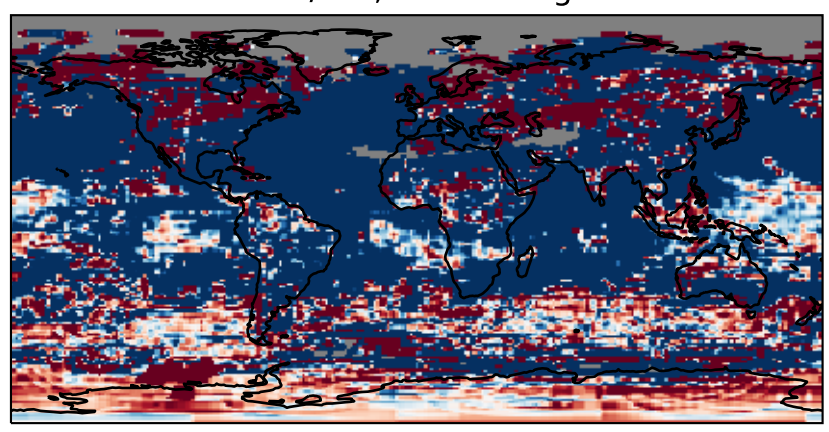
−5 0 5
µg/m3
1e−7

Ratio (1x1.25)
Dev/Ref, Dynamic Range



1e-17 1e-11 1e-05 10 1e+07 1e+13 1e+19
unitless

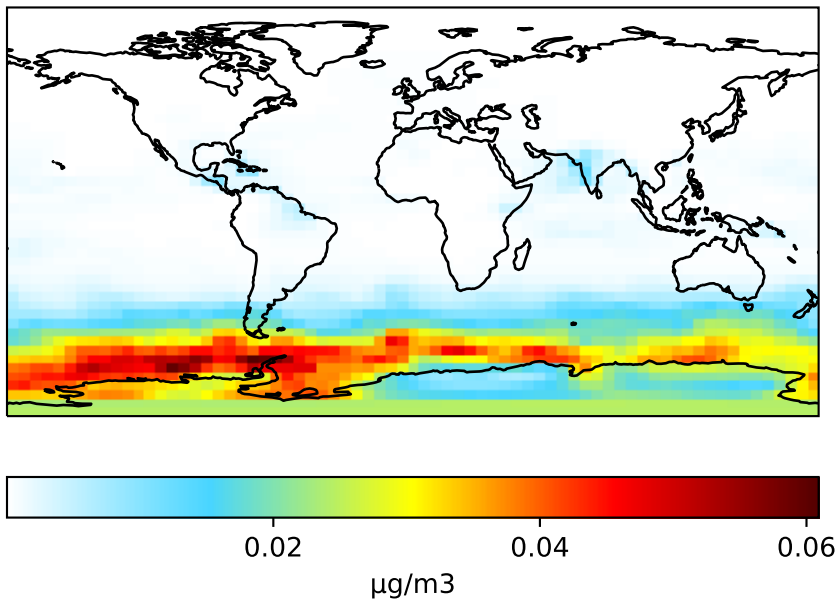
Ratio (1x1.25)
Dev/Ref, Fixed Range



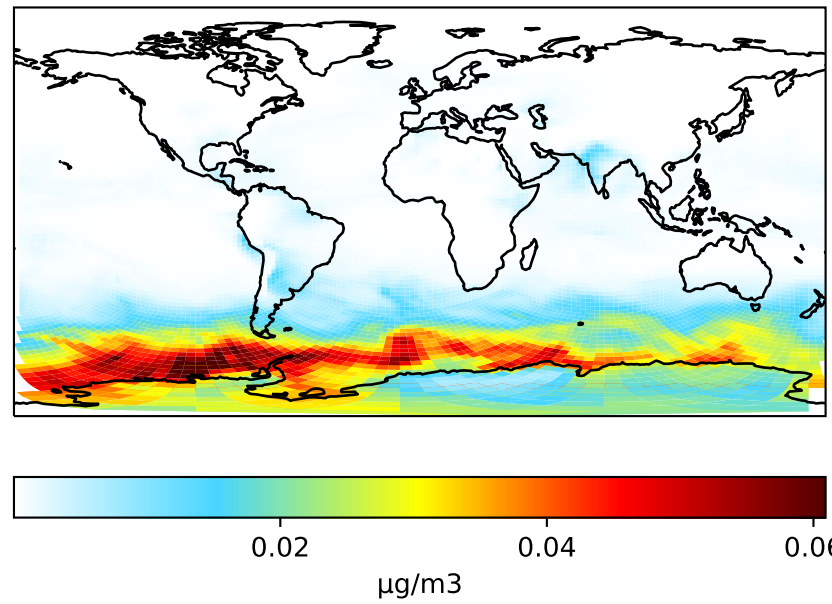
0.50 0.75 1.00 1.50 2.00
unitless

SpeciesConc_SALCCL

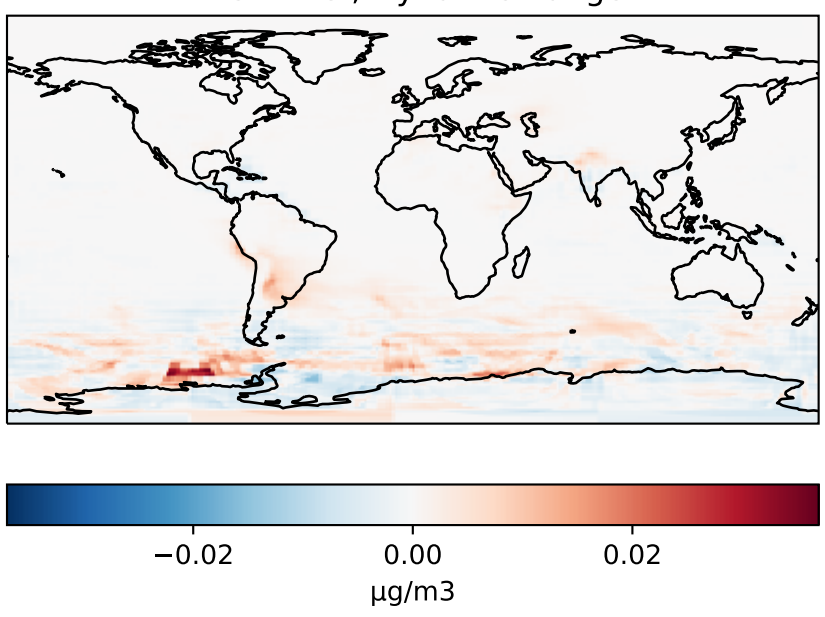
GCC_13.1.0-beta.1 (Ref)
4.0x5.0



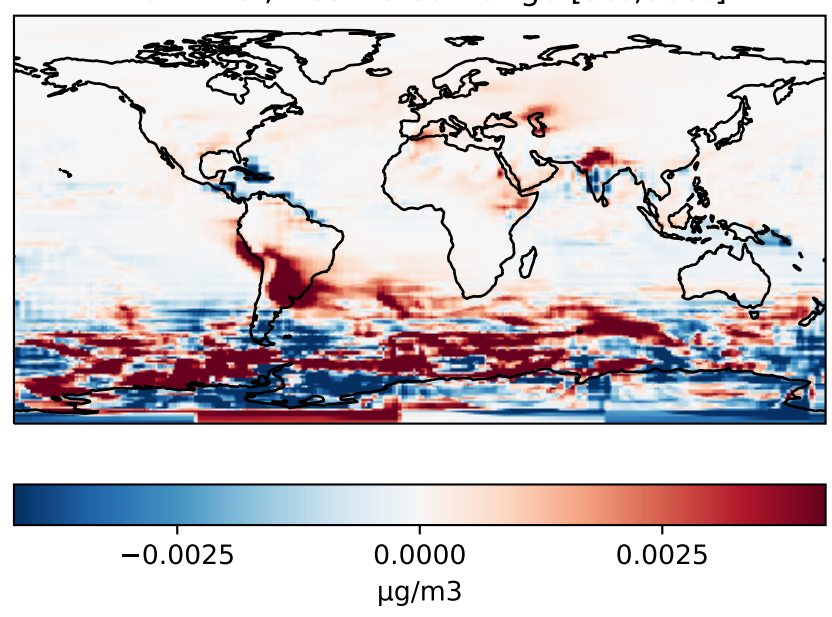
GCHP_13.1.0-beta.1 (Dev)
c48



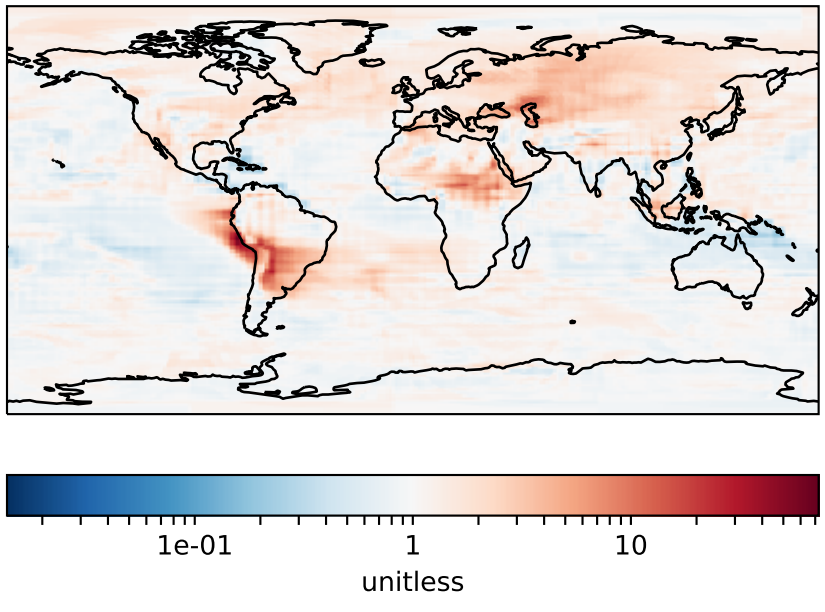
Difference (1x1.25)
Dev - Ref, Dynamic Range



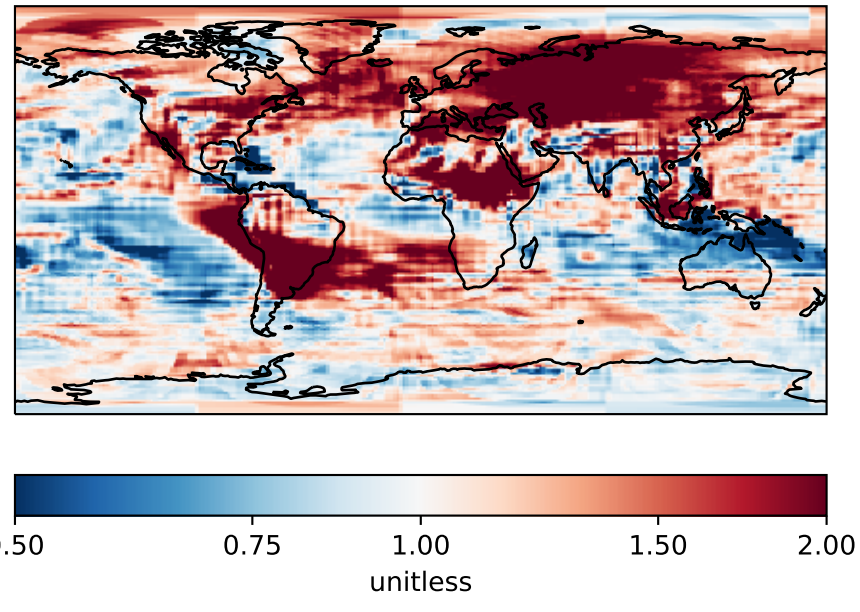
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



Ratio (1x1.25)
Dev/Ref, Dynamic Range

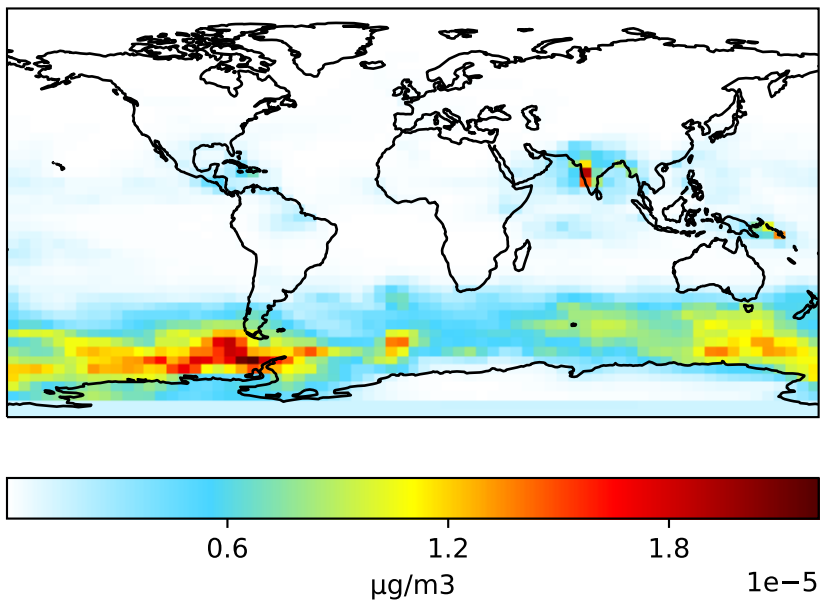


Ratio (1x1.25)
Dev/Ref, Fixed Range

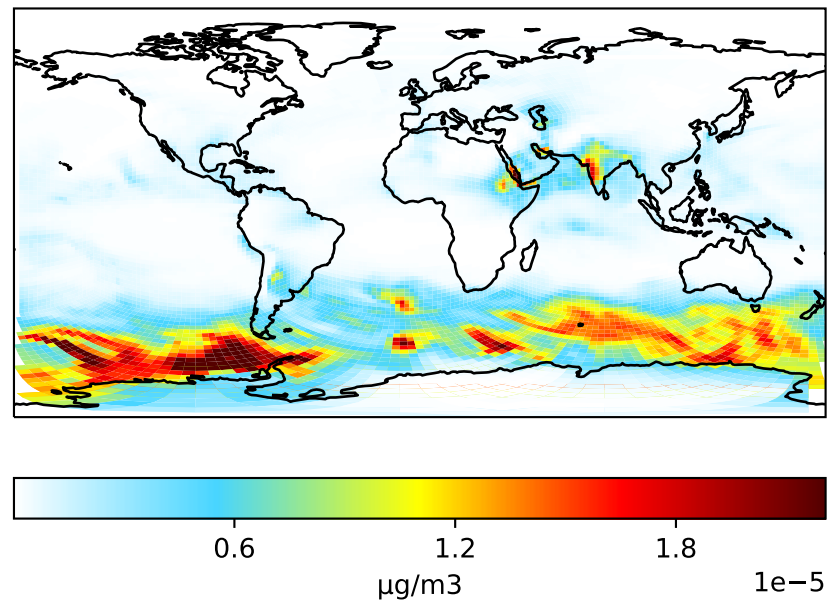


SpeciesConc_SO4s

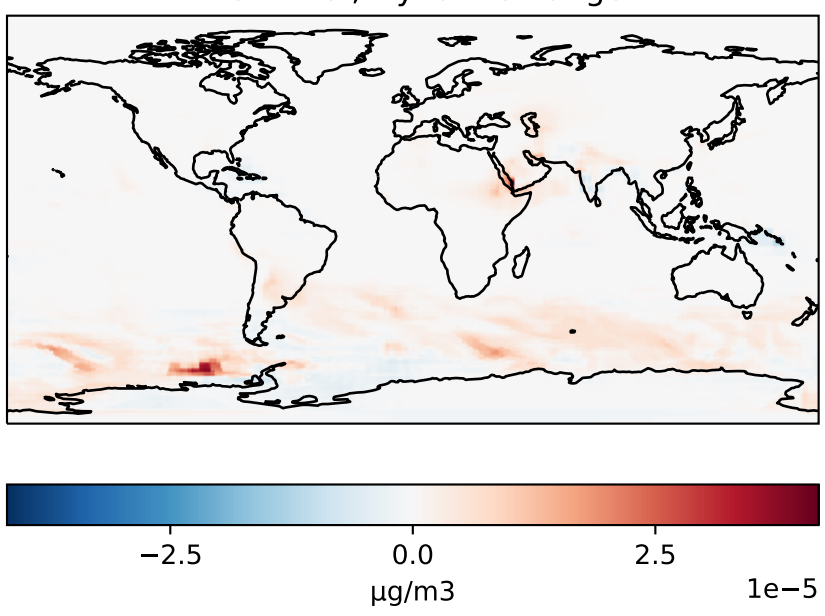
GCC_13.1.0-beta.1 (Ref)
4.0x5.0



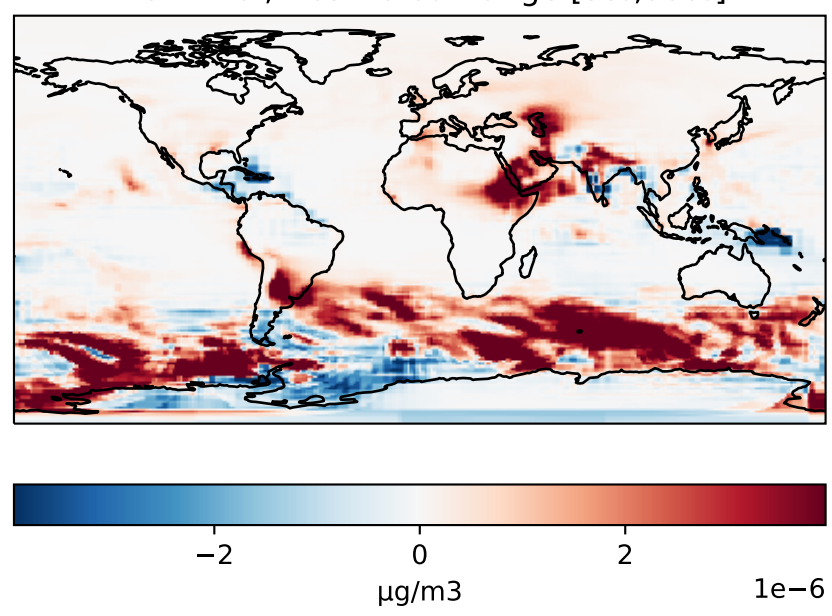
GCHP_13.1.0-beta.1 (Dev)
c48



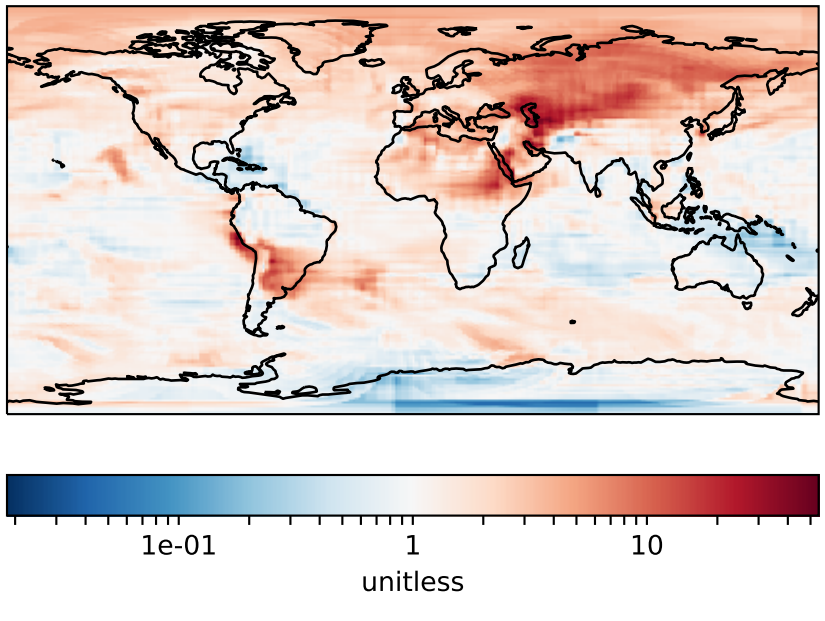
Difference (1x1.25)
Dev - Ref, Dynamic Range



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



Ratio (1x1.25)
Dev/Ref, Dynamic Range



Ratio (1x1.25)
Dev/Ref, Fixed Range

