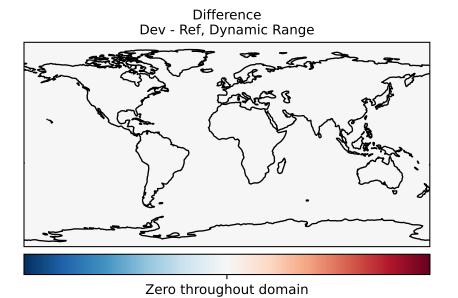
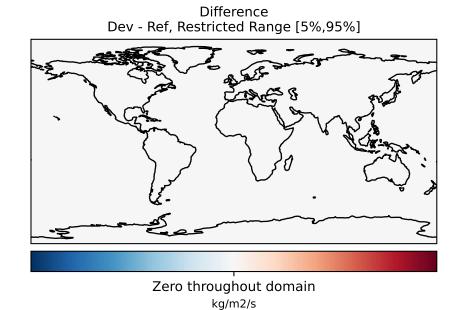
EmisACET_BioBurn (Jan2019)

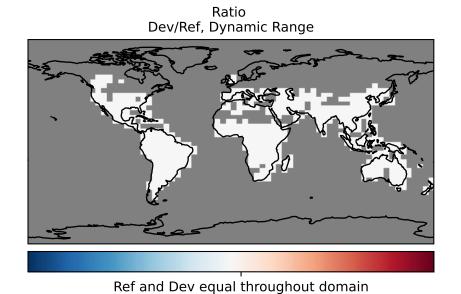
0.0 0.6 1.2 1.8 kg/m2/s 1e-11

0.0 0.6 1.2 1.8 kg/m2/s 1e-11

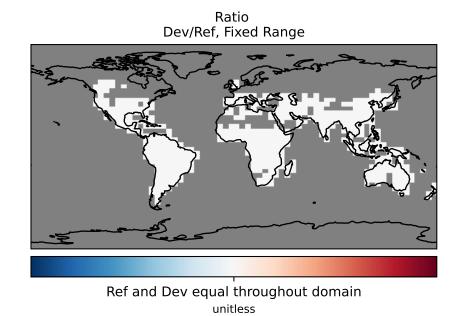


kg/m2/s





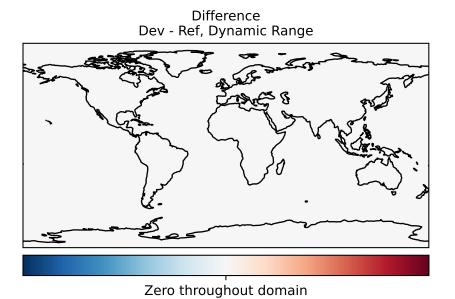
. unitless

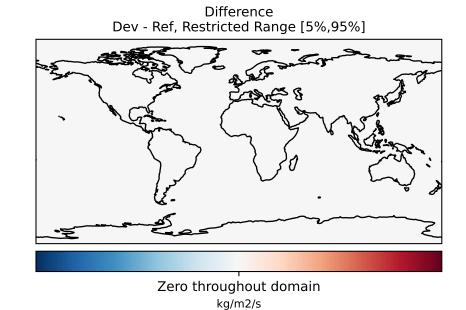


EmisACTA_BioBurn (Jan2019)

gcc-14.3.0-rc.0 (Ref) 4.0x5.0 3 6 kg/m2/s 1e-11

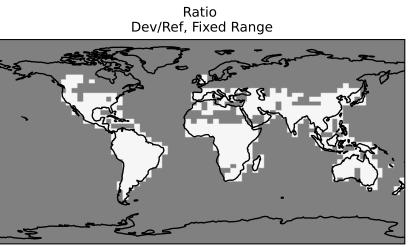
gcc-14.4.0-rc.0 (Dev) 4.0x5.0 3 kg/m2/s 1e-11





Ratio Dev/Ref, Dynamic Range

kg/m2/s



Ref and Dev equal throughout domain . unitless

Ref and Dev equal throughout domain

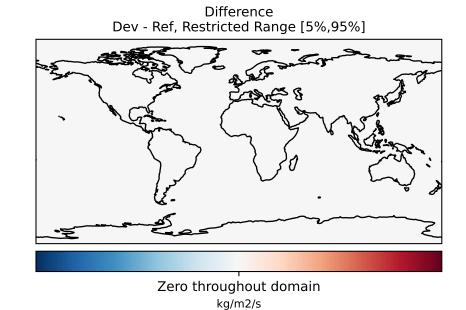
unitless

EmisALD2_BioBurn (Jan2019)

gcc-14.3.0-rc.0 (Ref) 4.0x5.0 4.5 1.5 3.0 0.0 kg/m2/s 1e-11

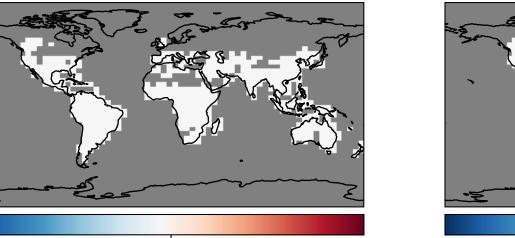
gcc-14.4.0-rc.0 (Dev) 4.0x5.0 1.5 3.0 4.5 0.0 kg/m2/s 1e-11

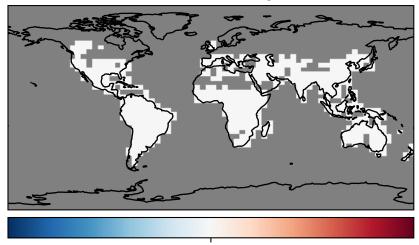
Difference Dev - Ref, Dynamic Range Zero throughout domain



Ratio Dev/Ref, Dynamic Range

Ratio Dev/Ref, Fixed Range





Ref and Dev equal throughout domain unitless

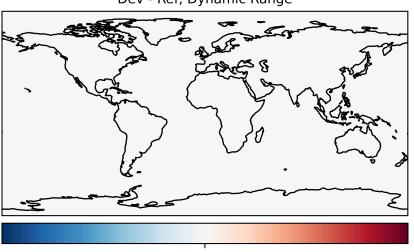
Ref and Dev equal throughout domain unitless

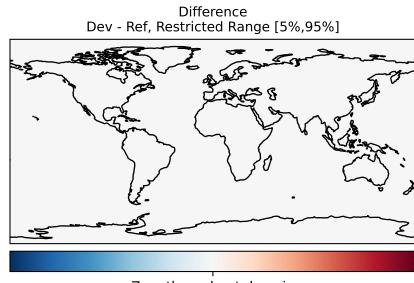
EmisALK4_BioBurn (Jan2019)

gcc-14.3.0-rc.0 (Ref) 4.0x5.0 1.5 3.0 0.0 kg/m2/s 1e-12

gcc-14.4.0-rc.0 (Dev) 4.0x5.0 1.5 3.0 0.0 kg/m2/s 1e-12

Difference Dev - Ref, Dynamic Range

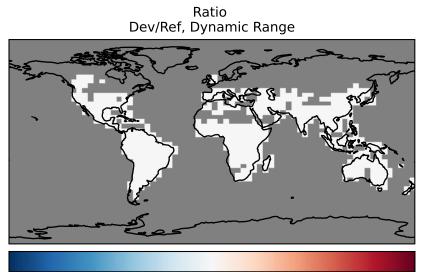




Zero throughout domain kg/m2/s

Zero throughout domain kg/m2/s

Ratio Dev/Ref, Fixed Range





Ref and Dev equal throughout domain . unitless

Ref and Dev equal throughout domain unitless

EmisBCPI_BioBurn (Jan2019)

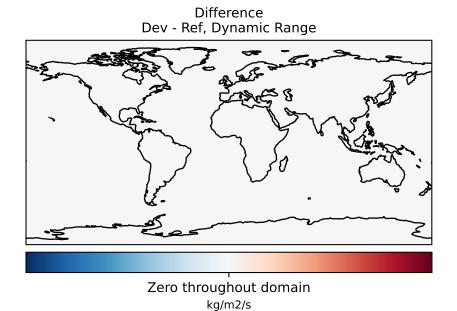
gcc-14.3.0-rc.0 (Ref)
4.0x5.0

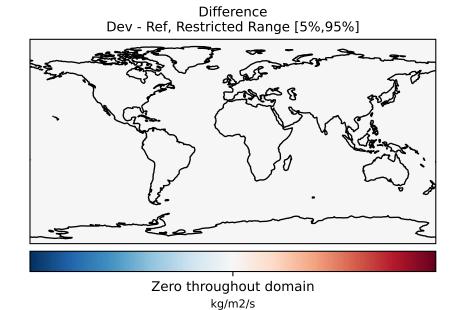
1 2 3

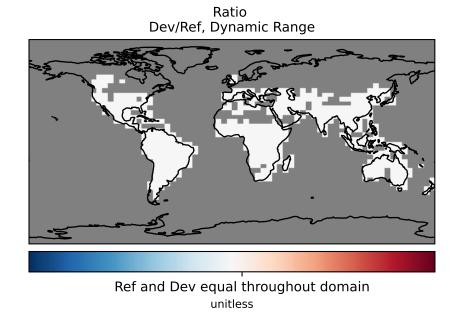
kg/m2/s 1e-12

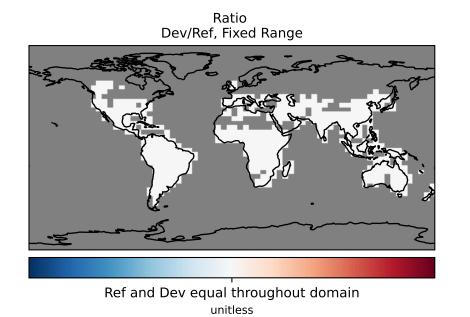
gcc-14.4.0-rc.0 (Dev) 4.0x5.0

0
1
2
3
kg/m2/s
1e-12





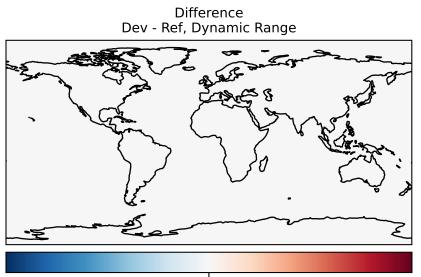




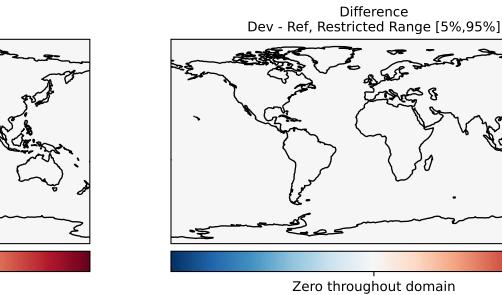
EmisBCPO_BioBurn (Jan2019)

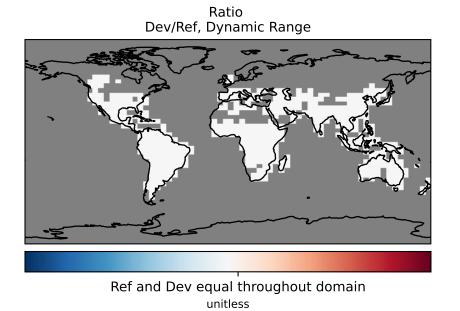
0.0 0.4 0.8 1.2 kg/m2/s 1e-11

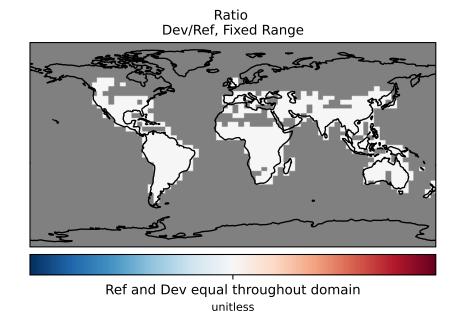
0.0 0.4 0.8 1.2 kg/m2/s 1e-11



Zero throughout domain kg/m2/s



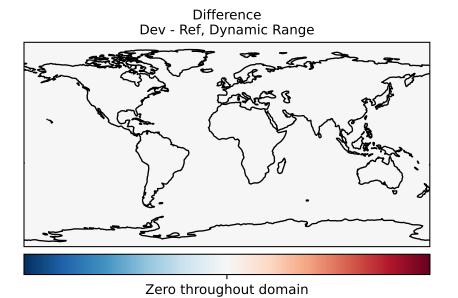




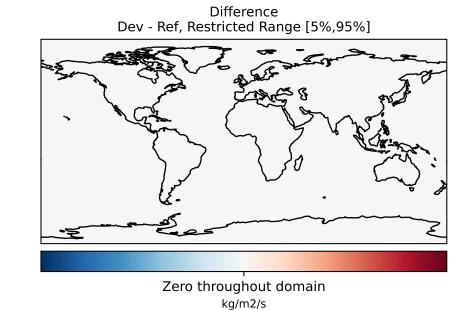
EmisBENZ_BioBurn (Jan2019)

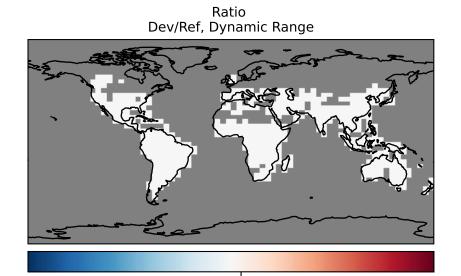
0.0 0.4 0.8 1.2 kg/m2/s 1e-11

0.0 0.4 0.8 1.2 kg/m2/s 1e-11

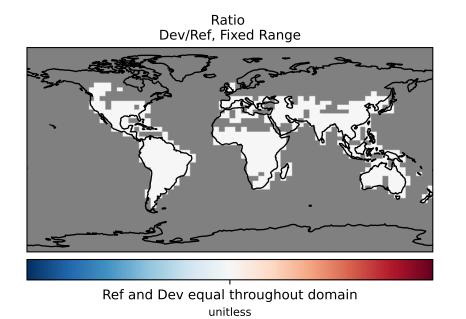


kg/m2/s





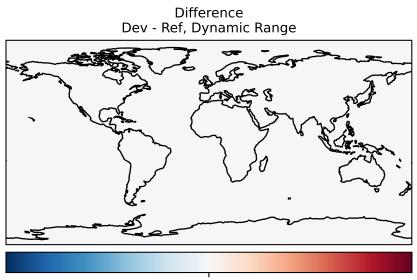
Ref and Dev equal throughout domain unitless

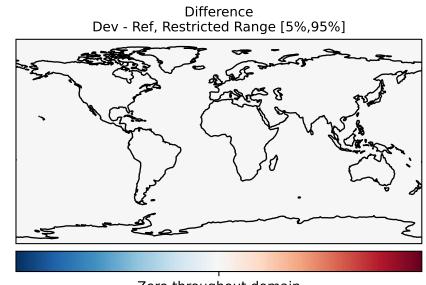


EmisC2H2_BioBurn (Jan2019)

0.0 0.4 0.8 1.2 kg/m2/s 1e-11

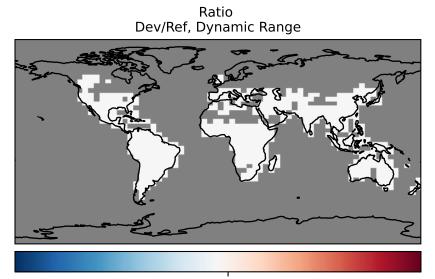
0.0 0.4 0.8 1.2 kg/m2/s 1e-11

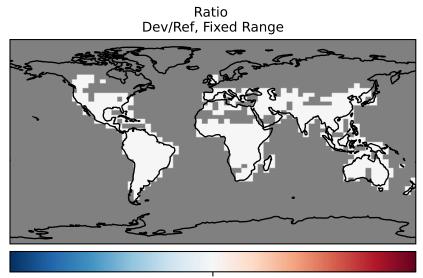




Zero throughout domain kg/m2/s

Zero throughout domain kg/m2/s





Ref and Dev equal throughout domain unitless

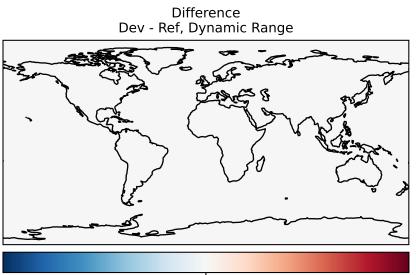
Ref and Dev equal throughout domain unitless

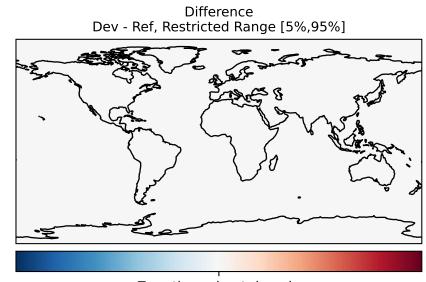
EmisC2H4_BioBurn (Jan2019)

gcc-14.3.0-rc.0 (Ref) 4.0x5.0

gcc-14.4.0-rc.0 (Dev) 4.0x5.0

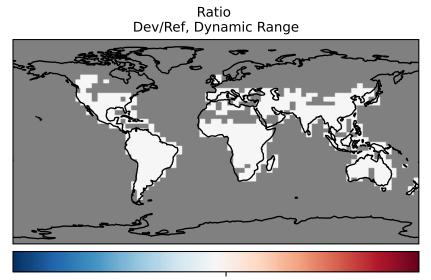
1 2 3 kg/m2/s 1e-11

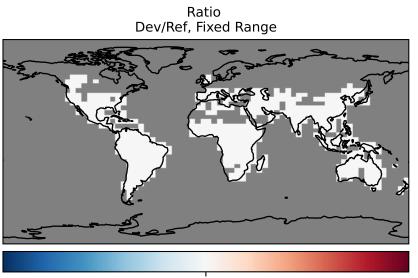




Zero throughout domain kg/m2/s

Zero throughout domain kg/m2/s





Ref and Dev equal throughout domain unitless

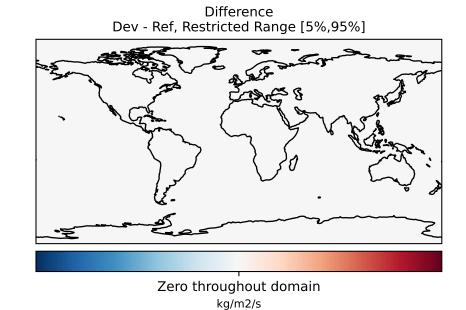
Ref and Dev equal throughout domain unitless

EmisC2H6_BioBurn (Jan2019)

gcc-14.3.0-rc.0 (Ref) 4.0x5.0 0.6 1.2 1.8 0.0 kg/m2/s 1e-11

gcc-14.4.0-rc.0 (Dev) 4.0x5.0 0.6 1.2 1.8 0.0 kg/m2/s 1e-11

Difference Dev - Ref, Dynamic Range Zero throughout domain



Ratio Dev/Ref, Dynamic Range

Ratio Dev/Ref, Fixed Range

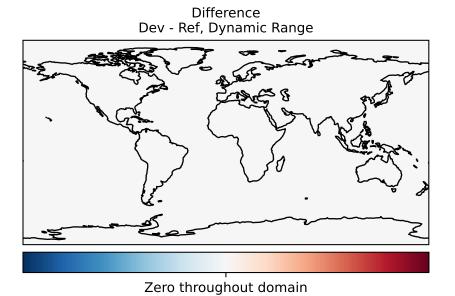
Ref and Dev equal throughout domain . unitless

Ref and Dev equal throughout domain unitless

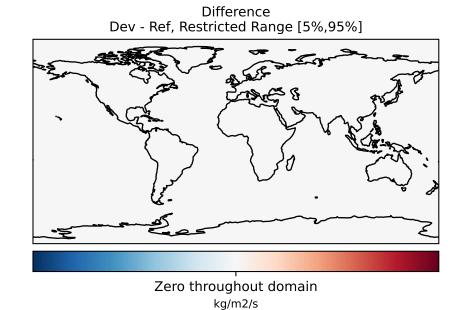
EmisC3H8_BioBurn (Jan2019)

gcc-14.3.0-rc.0 (Ref) 4.0x5.0 3 kg/m2/s 1e-12

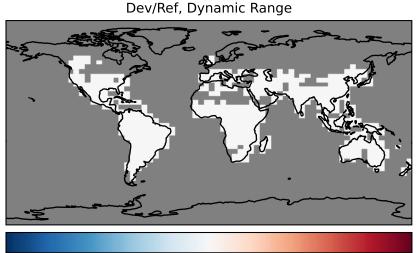
gcc-14.4.0-rc.0 (Dev) 4.0x5.0 3 6 kg/m2/s 1e-12



kg/m2/s



Ratio Dev/Ref, Dynamic Range

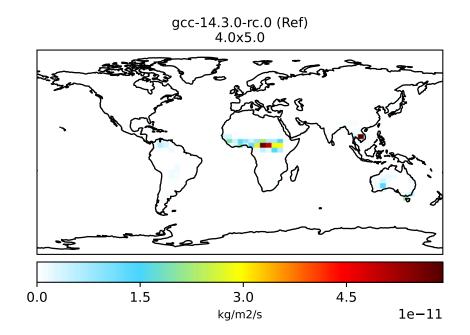


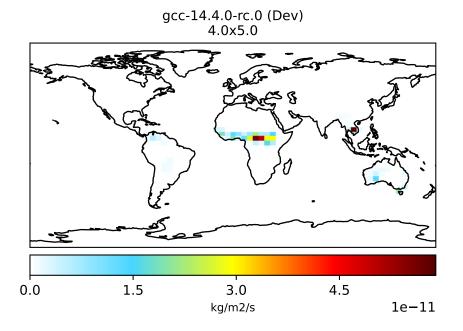
Ref and Dev equal throughout domain . unitless

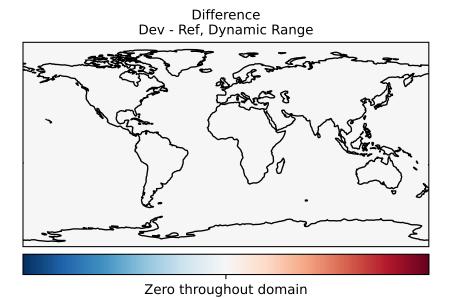
Ratio Dev/Ref, Fixed Range

Ref and Dev equal throughout domain unitless

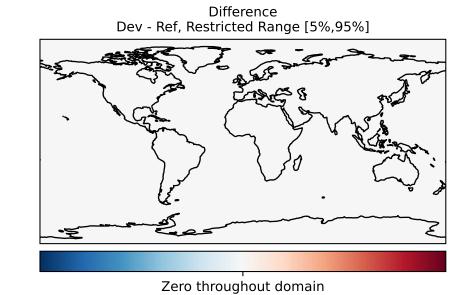
EmisCH2O_BioBurn (Jan2019)



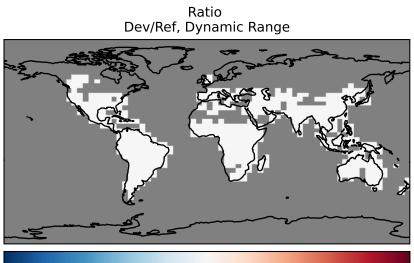


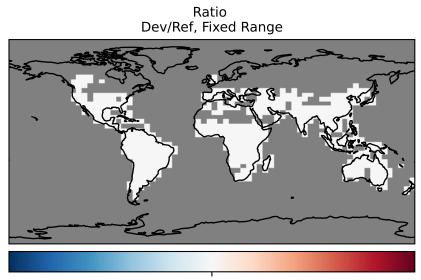


kg/m2/s



kg/m2/s





Ref and Dev equal throughout domain . unitless

Ref and Dev equal throughout domain

unitless

EmisCO_BioBurn (Jan2019)

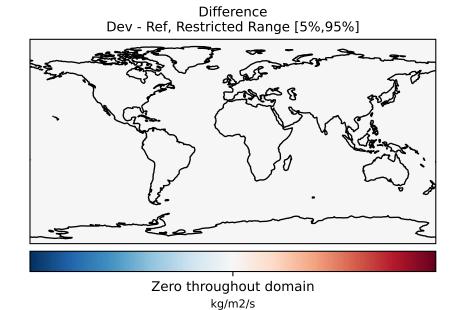
gcc-14.3.0-rc.0 (Ref) 4.0x5.0

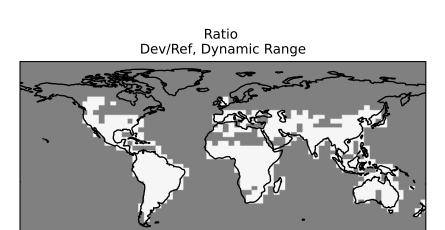
gcc-14.4.0-rc.0 (Dev) 4.0x5.0

1
2
3
kg/m2/s
1e-9

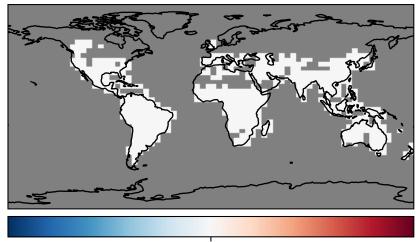
Difference Dev - Ref, Dynamic Range

Zero throughout domain





Ratio Dev/Ref, Fixed Range



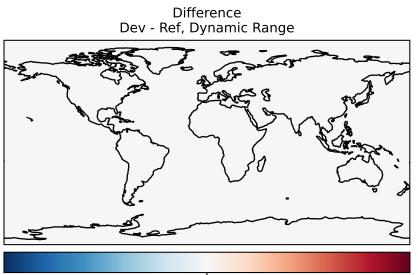
Ref and Dev equal throughout domain unitless

Ref and Dev equal throughout domain unitless

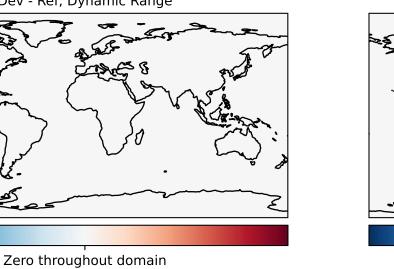
EmisEOH_BioBurn (Jan2019)

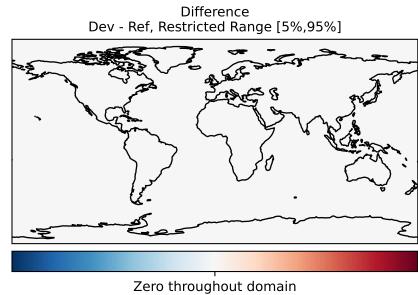
gcc-14.3.0-rc.0 (Ref) 4.0x5.0 0.5 1.0 1.5 0.0 kg/m2/s 1e-12

gcc-14.4.0-rc.0 (Dev) 4.0x5.0 0.5 1.0 1.5 0.0 kg/m2/s 1e-12

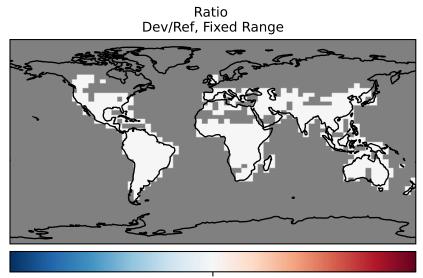


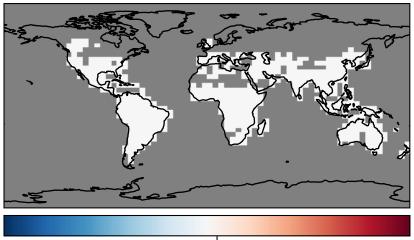
kg/m2/s

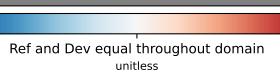




Ratio Dev/Ref, Dynamic Range

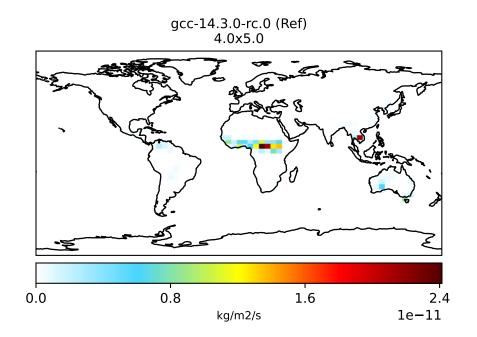


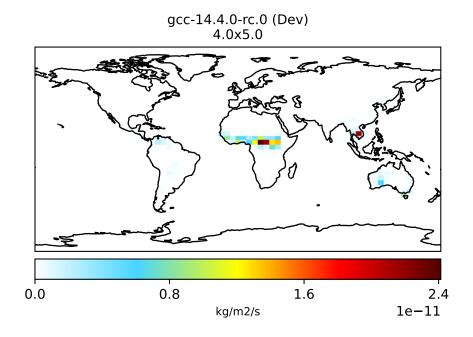


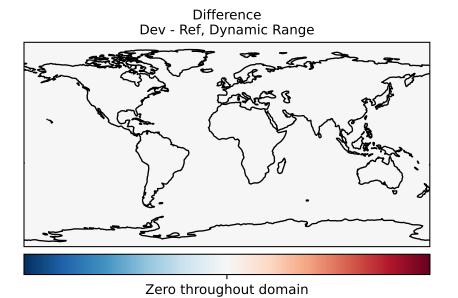


Ref and Dev equal throughout domain . unitless

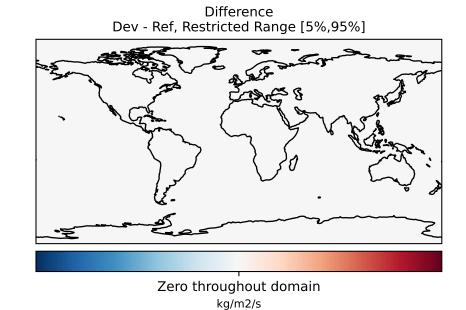
EmisFURA_BioBurn (Jan2019)

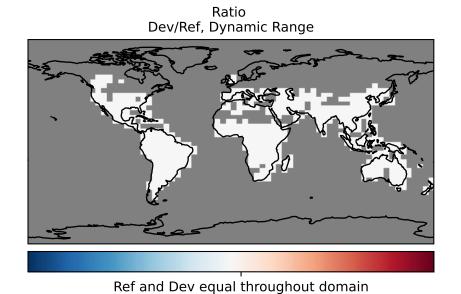




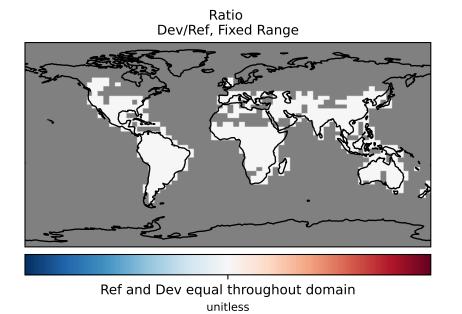


kg/m2/s

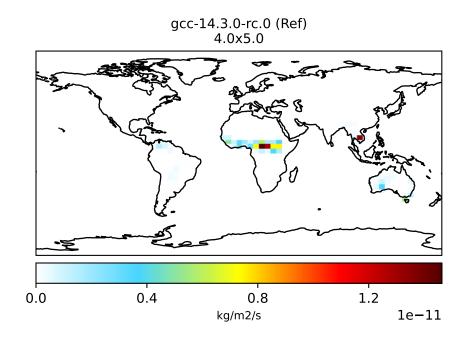


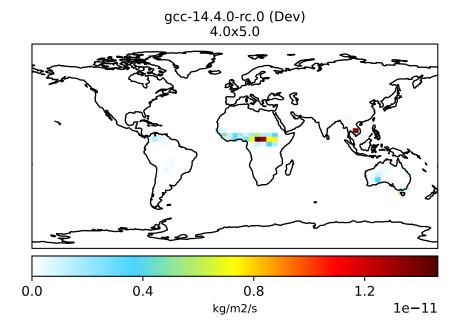


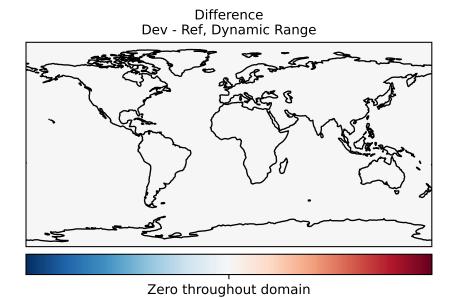
. unitless

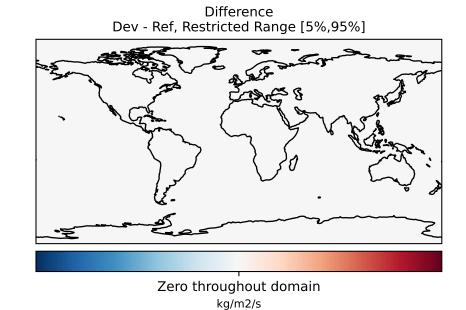


EmisGLYX_BioBurn (Jan2019)



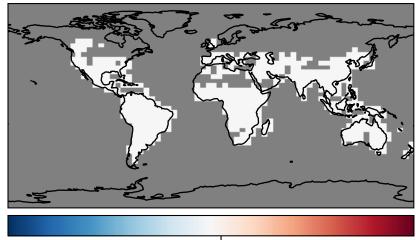


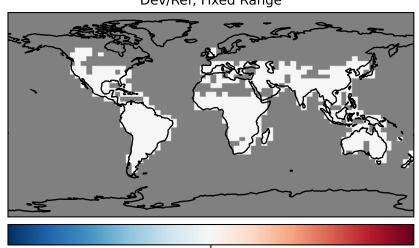




Ratio Dev/Ref, Dynamic Range



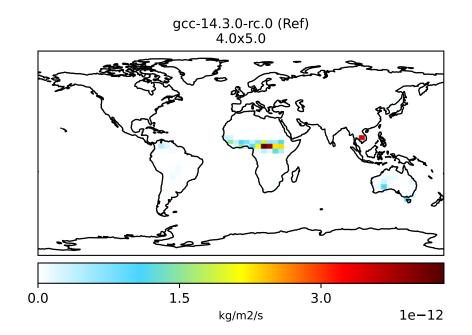


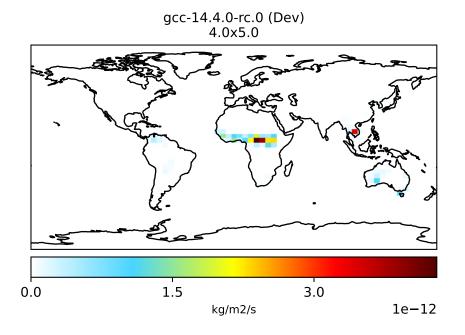


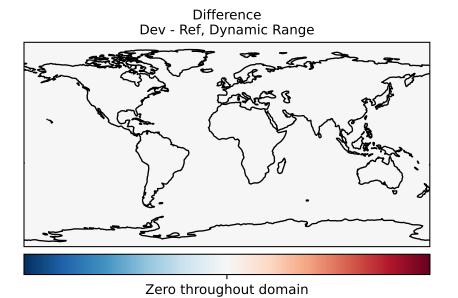
Ref and Dev equal throughout domain unitless

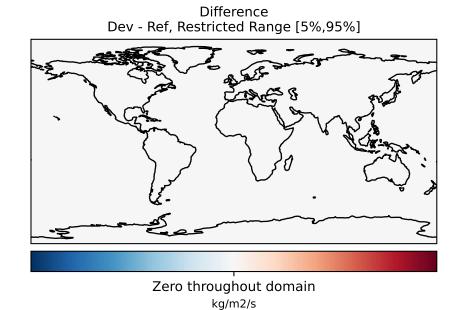
Ref and Dev equal throughout domain unitless

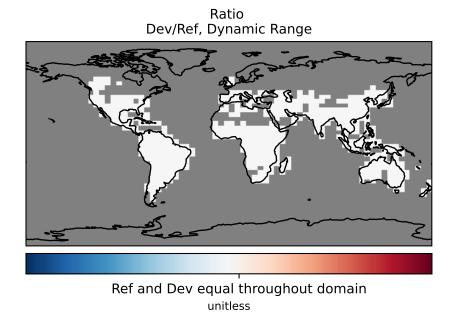
EmisISOP_BioBurn (Jan2019)

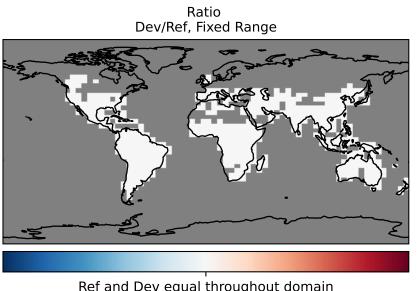










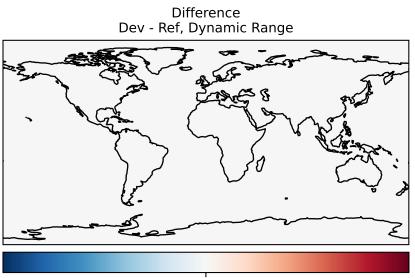


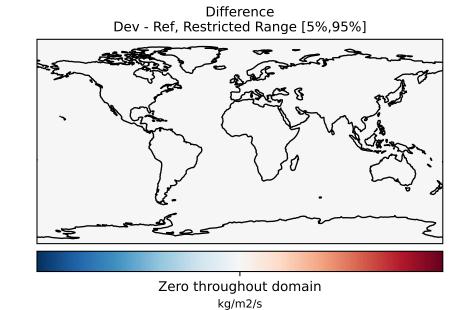
Ref and Dev equal throughout domain unitless

EmisMEK_BioBurn (Jan2019)

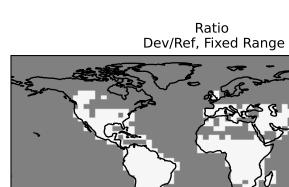
gcc-14.3.0-rc.0 (Ref) 4.0x5.0 3 6 kg/m2/s 1e-12

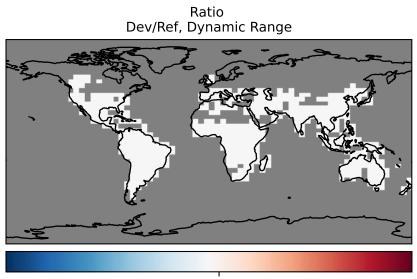
gcc-14.4.0-rc.0 (Dev) 4.0x5.0 3 6 kg/m2/s 1e-12

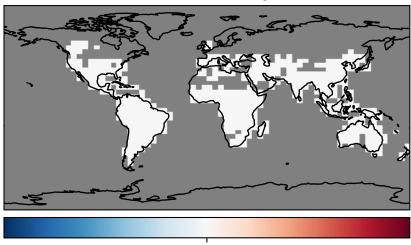




Zero throughout domain kg/m2/s







Ref and Dev equal throughout domain . unitless

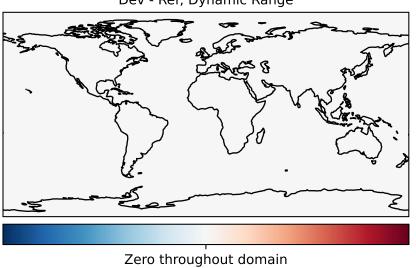
Ref and Dev equal throughout domain unitless

EmisMGLY_BioBurn (Jan2019)

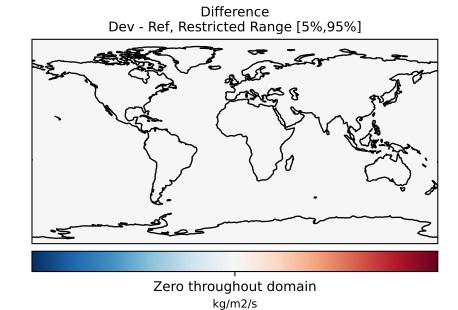
gcc-14.3.0-rc.0 (Ref) 4.0x5.0 1.5 0.5 1.0 0.0 kg/m2/s 1e-11

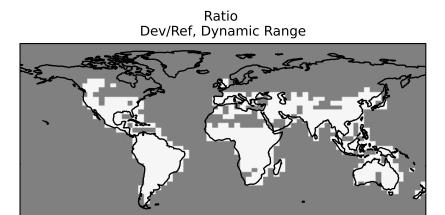
gcc-14.4.0-rc.0 (Dev) 4.0x5.0 0.5 1.0 1.5 0.0 kg/m2/s 1e-11

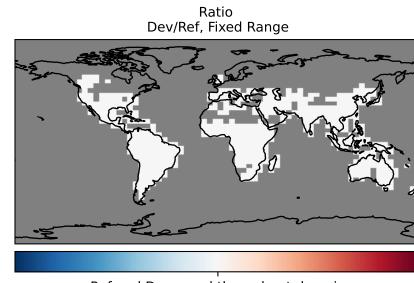
Difference Dev - Ref, Dynamic Range



kg/m2/s







Ref and Dev equal throughout domain . unitless

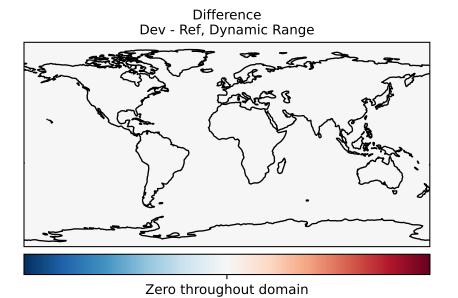
Ref and Dev equal throughout domain unitless

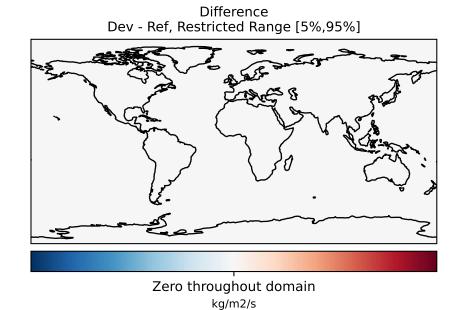
EmisMOH_BioBurn (Jan2019)

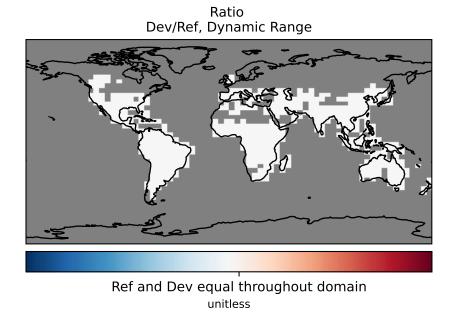
gcc-14.3.0-rc.0 (Ref) 4.0x5.0

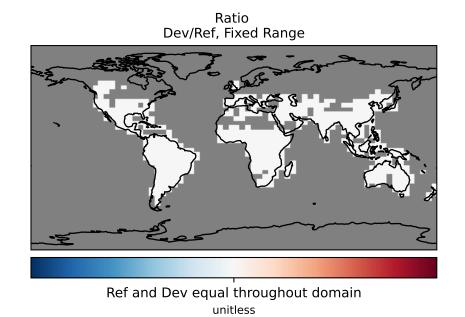
gcc-14.4.0-rc.0 (Dev)
4.0x5.0

0
2
4
6
kg/m2/s
1e-11









EmisMTPA_BioBurn (Jan2019)

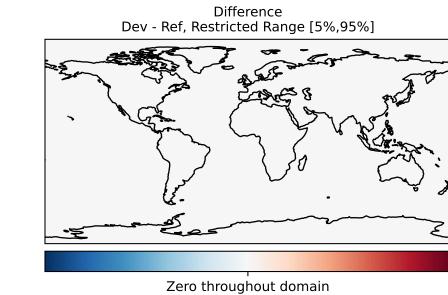
gcc-14.3.0-rc.0 (Ref) 4.0x5.0 7.5 2.5 5.0 0.0 kg/m2/s 1e-12

gcc-14.4.0-rc.0 (Dev) 4.0x5.0 7.5 2.5 5.0 0.0 kg/m2/s 1e-12

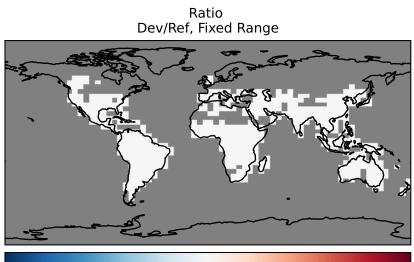
Difference Dev - Ref, Dynamic Range

Zero throughout domain

kg/m2/s

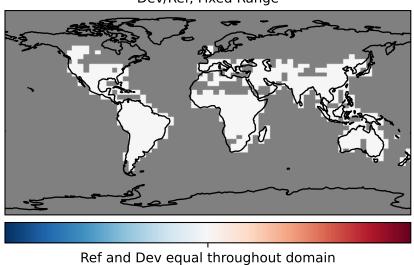


Ratio Dev/Ref, Dynamic Range



kg/m2/s

Ref and Dev equal throughout domain . unitless



unitless

EmisMVK_BioBurn (Jan2019)

gcc-14.3.0-rc.0 (Ref) 4.0x5.0

gcc-14.4.0-rc.0 (Dev) 4.0x5.0

0

3

6

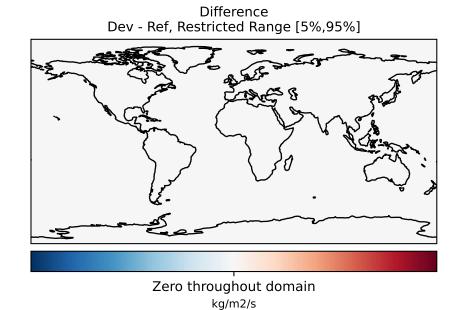
9

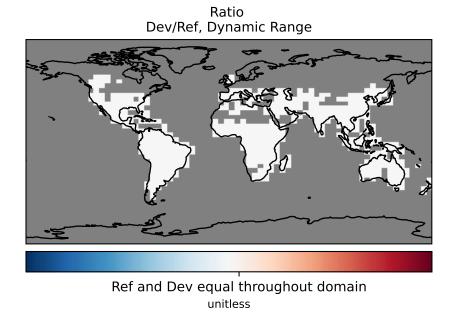
kg/m2/s

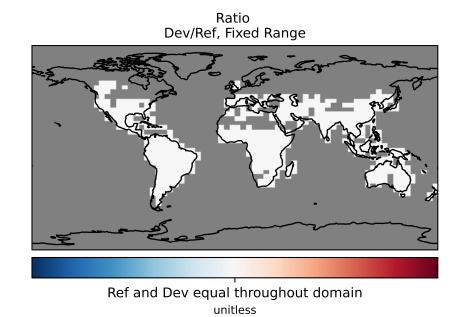
1e-12

Difference
Dev - Ref, Dynamic Range

Zero throughout domain



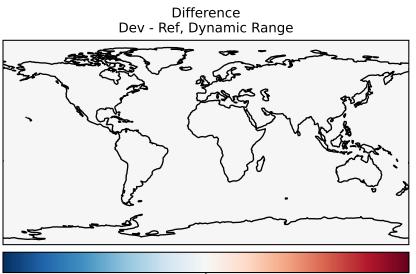


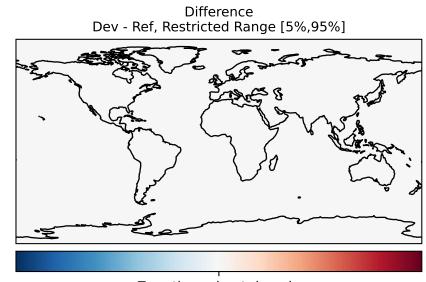


EmisNH3_BioBurn (Jan2019)

0.0 0.8 1.6 2.4 kg/m2/s 1e-11

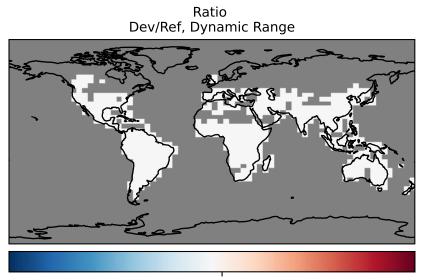
0.0 0.8 1.6 2.4 kg/m2/s 1e-11

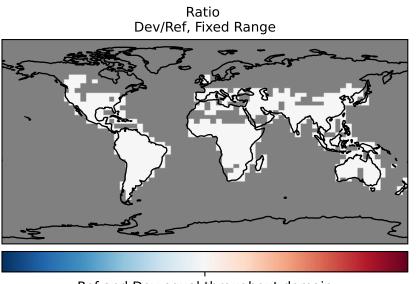




Zero throughout domain kg/m2/s

Zero throughout domain kg/m2/s





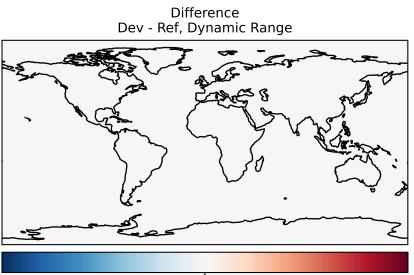
Ref and Dev equal throughout domain unitless

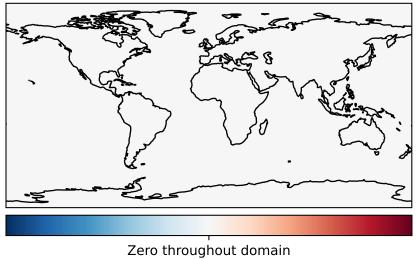
Ref and Dev equal throughout domain unitless

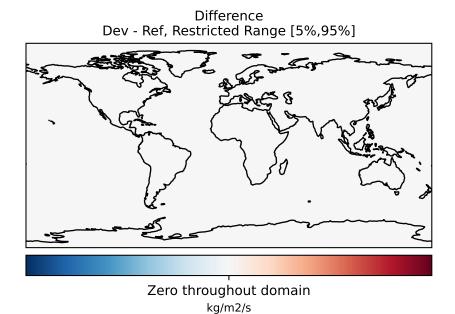
EmisNO_BioBurn (Jan2019)

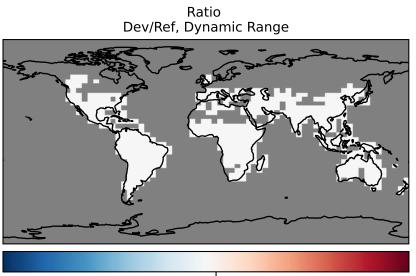
gcc-14.3.0-rc.0 (Ref) 4.0x5.0 0.5 1.0 1.5 0.0 kg/m2/s 1e-10

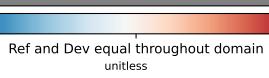
gcc-14.4.0-rc.0 (Dev) 4.0x5.0 0.5 1.0 1.5 0.0 kg/m2/s 1e-10

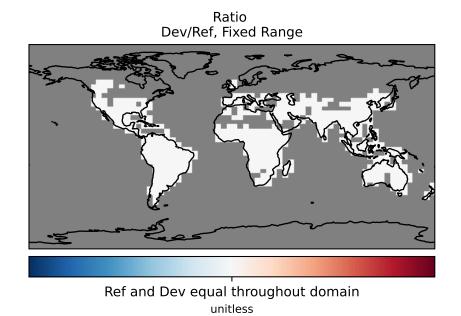




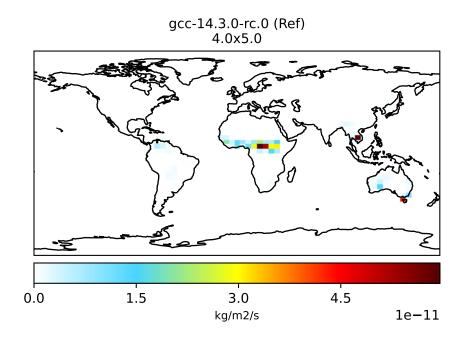


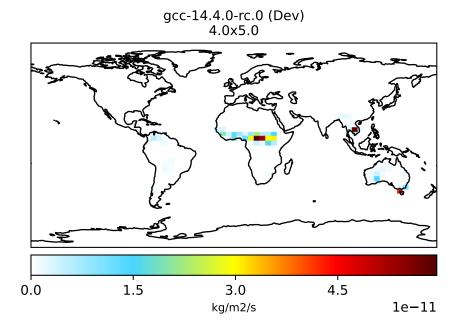


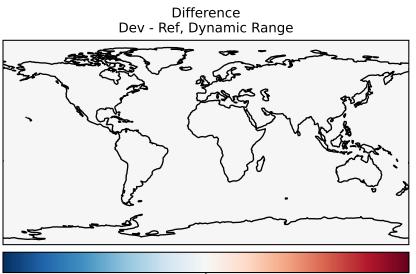


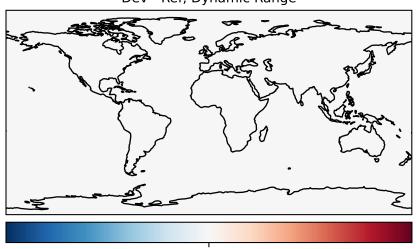


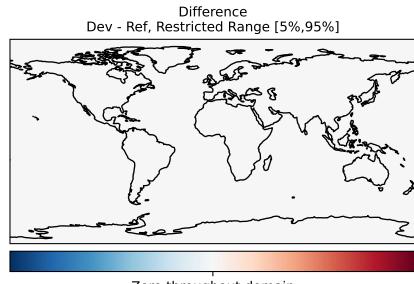
EmisOCPI_BioBurn (Jan2019)





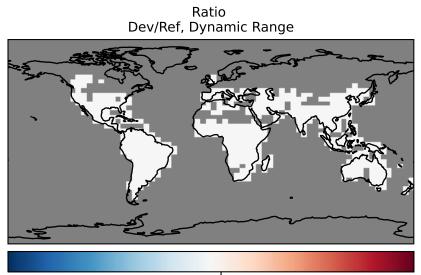






Zero throughout domain kg/m2/s

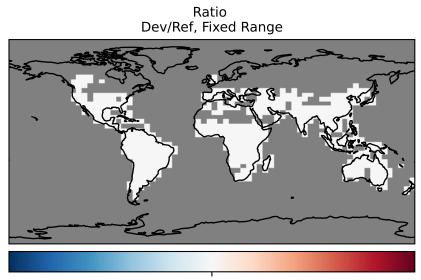
Zero throughout domain kg/m2/s



Ref and Dev equal throughout domain

. unitless





Ref and Dev equal throughout domain unitless

EmisOCPO_BioBurn (Jan2019)

gcc-14.3.0-rc.0 (Ref) 4.0x5.0 0.0 1.5 3.0 4.5 kg/m2/s 1e-11

gcc-14.4.0-rc.0 (Dev) 4.0x5.0

0.0

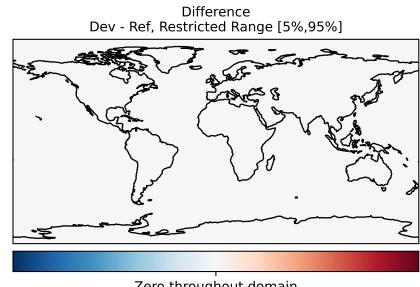
1.5

3.0

kg/m2/s

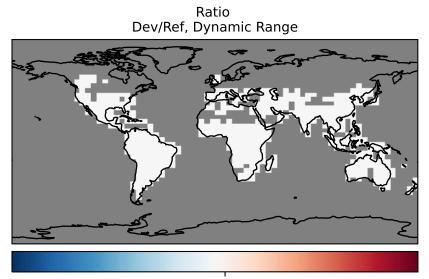
1e-11

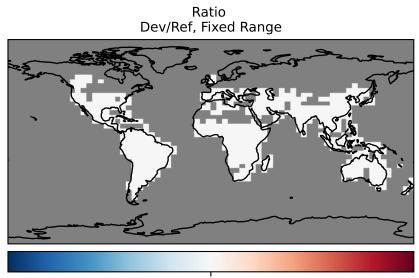
Difference Dev - Ref, Dynamic Range



Zero throughout domain kg/m2/s

Zero throughout domain kg/m2/s





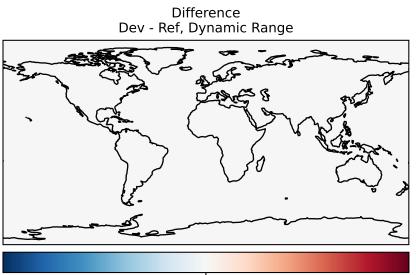
Ref and Dev equal throughout domain unitless

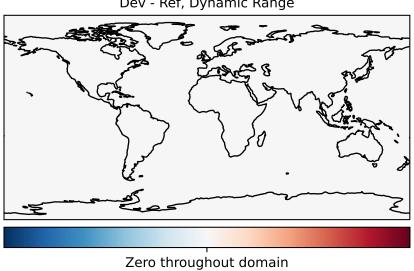
Ref and Dev equal throughout domain unitless

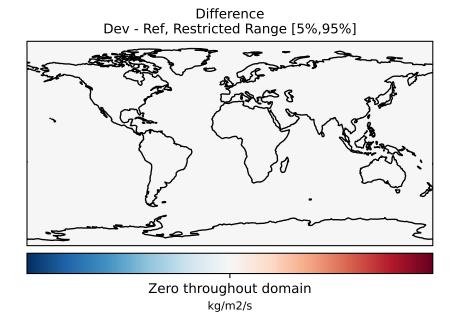
EmisPHEN_BioBurn (Jan2019)

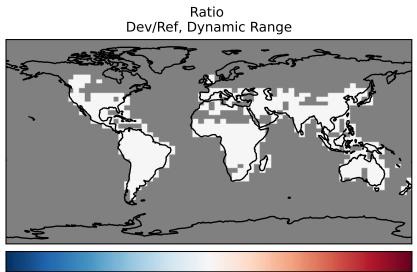
gcc-14.3.0-rc.0 (Ref) 4.0x5.0 1.5 0.5 1.0 0.0 kg/m2/s 1e-11

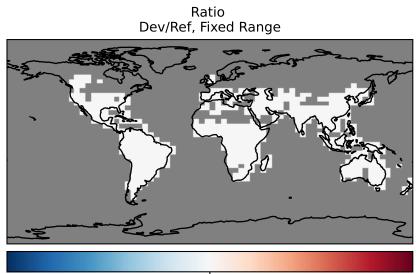
gcc-14.4.0-rc.0 (Dev) 4.0x5.0 0.5 1.0 1.5 0.0 kg/m2/s 1e-11



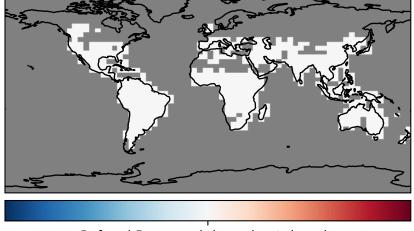








Ref and Dev equal throughout domain . unitless



Ref and Dev equal throughout domain unitless

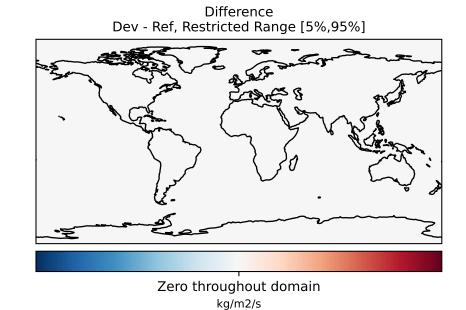
EmisPRPE_BioBurn (Jan2019)

gcc-14.3.0-rc.0 (Ref) 4.0x5.0 1 2 kg/m2/s 1e-11

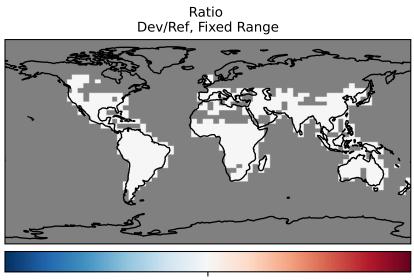
gcc-14.4.0-rc.0 (Dev) 4.0x5.0 1 kg/m2/s 1e-11

Difference Dev - Ref, Dynamic Range

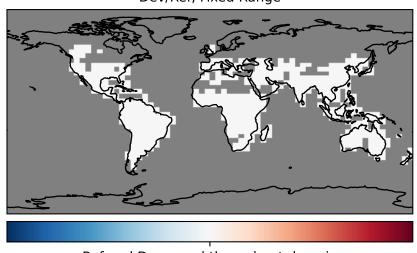
Zero throughout domain kg/m2/s



Ratio Dev/Ref, Dynamic Range

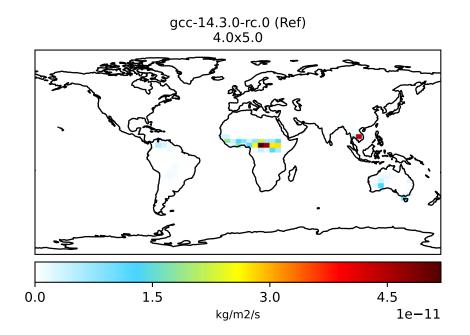


Ref and Dev equal throughout domain . unitless



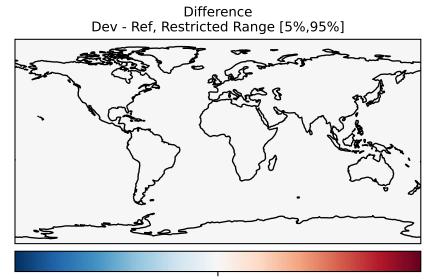
Ref and Dev equal throughout domain unitless

EmisRCHO_BioBurn (Jan2019)



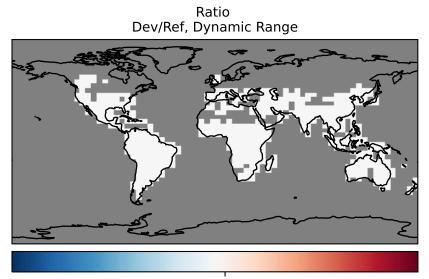
gcc-14.4.0-rc.0 (Dev) 4.0x5.0 0.0 1.5 3.0 4.5 kg/m2/s 1e-11

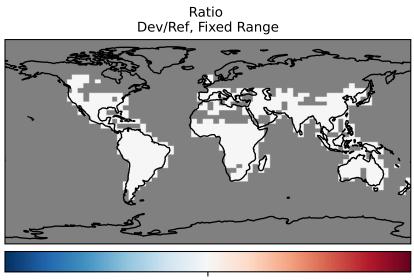
Difference Dev - Ref, Dynamic Range



Zero throughout domain kg/m2/s

Zero throughout domain kg/m2/s





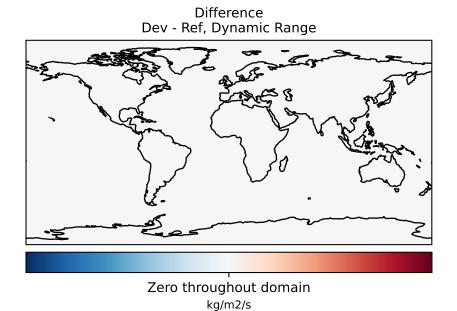
Ref and Dev equal throughout domain unitless

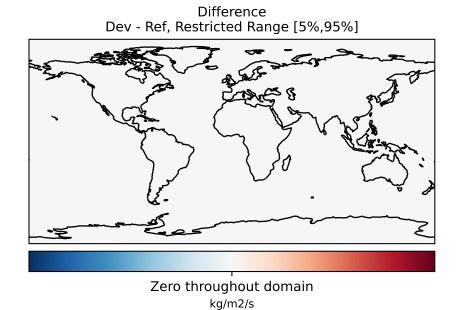
Ref and Dev equal throughout domain unitless

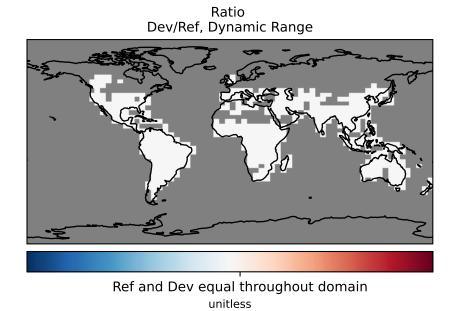
EmisSO2_BioBurn (Jan2019)

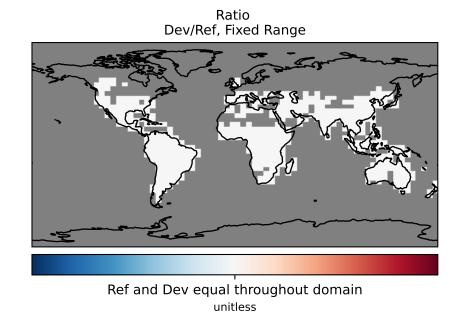
0.0 0.6 1.2 1.8 kg/m2/s 1e-11

0.0 0.6 1.2 1.8 kg/m2/s 1e-11





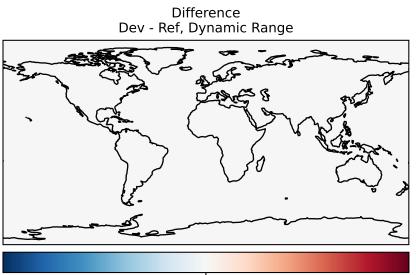


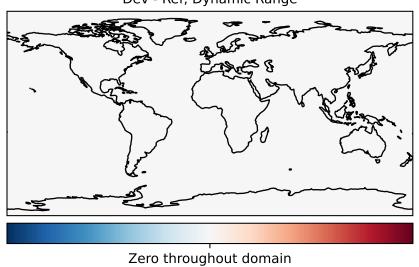


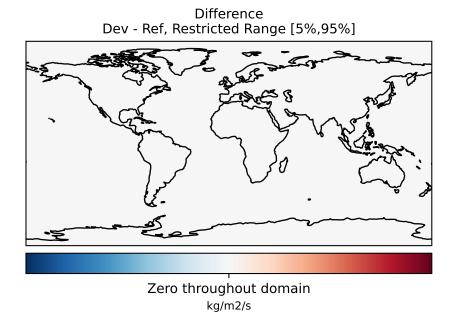
EmisSOAP_BioBurn (Jan2019)

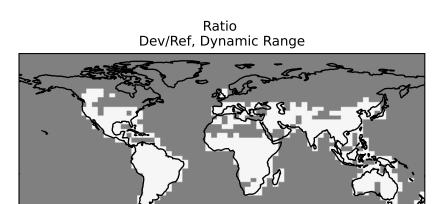
gcc-14.3.0-rc.0 (Ref) 4.0x5.0 1.5 3.0 0.0 kg/m2/s 1e-11

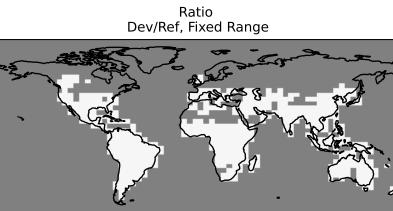
gcc-14.4.0-rc.0 (Dev) 4.0x5.0 1.5 3.0 0.0 kg/m2/s 1e-11



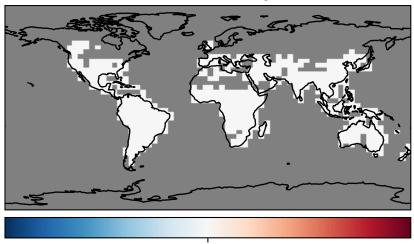








Ref and Dev equal throughout domain . unitless

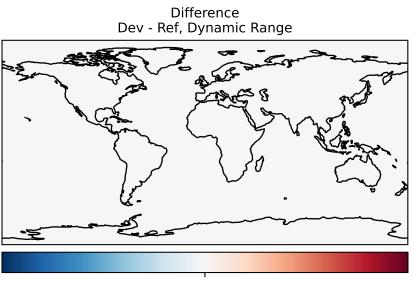


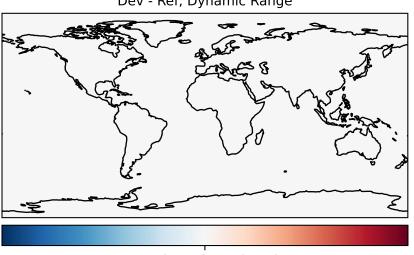
Ref and Dev equal throughout domain unitless

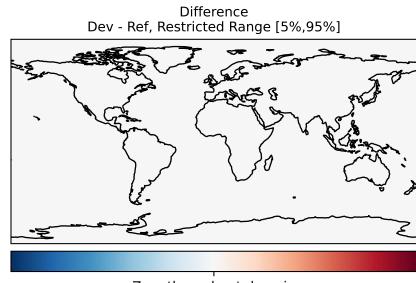
EmisTOLU_BioBurn (Jan2019)

gcc-14.3.0-rc.0 (Ref) 4.0x5.0 2.5 5.0 7.5 0.0 kg/m2/s 1e-12

gcc-14.4.0-rc.0 (Dev) 4.0x5.0 2.5 5.0 7.5 0.0 kg/m2/s 1e-12



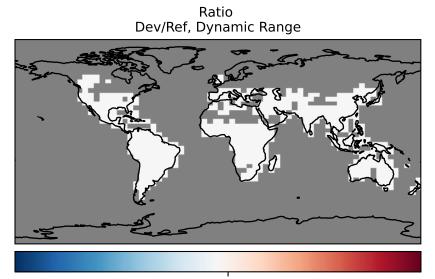


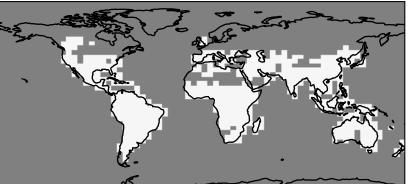


Zero throughout domain kg/m2/s

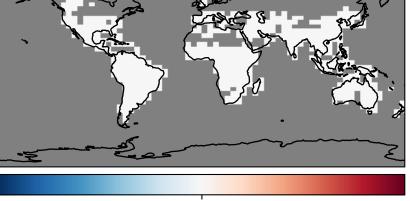
Zero throughout domain kg/m2/s

Ratio Dev/Ref, Fixed Range





Ref and Dev equal throughout domain unitless

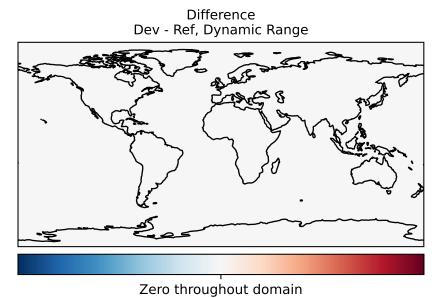


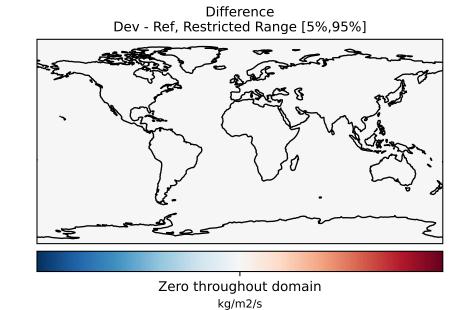
Ref and Dev equal throughout domain unitless

EmisXYLE_BioBurn (Jan2019)

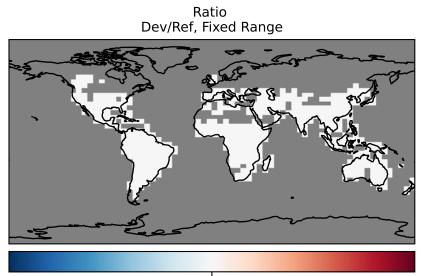
gcc-14.3.0-rc.0 (Ref) 4.0x5.0 1 2 kg/m2/s 1e-12

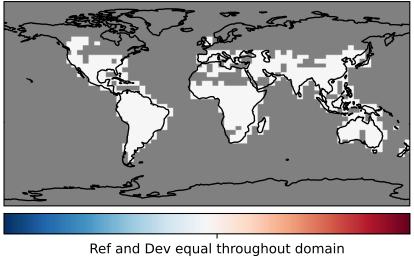
gcc-14.4.0-rc.0 (Dev) 4.0x5.0 1 2 1e-12 kg/m2/s



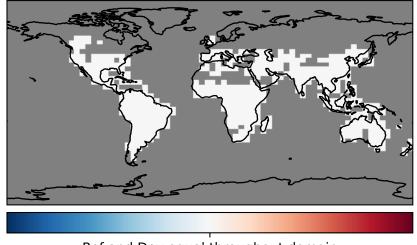


kg/m2/s Ratio Dev/Ref, Dynamic Range





. unitless



Ref and Dev equal throughout domain unitless