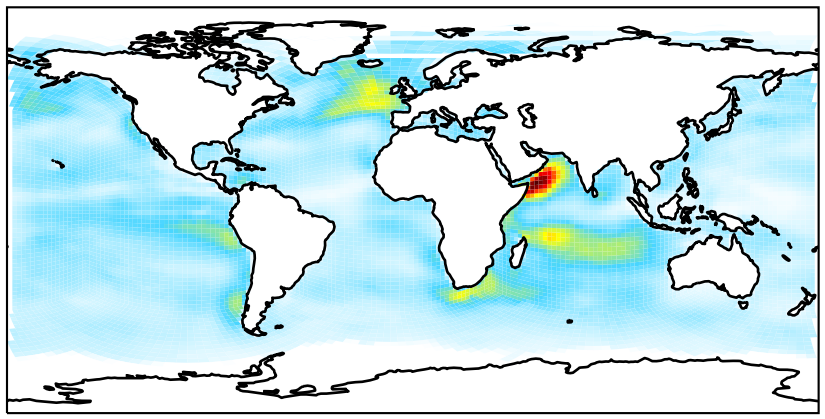
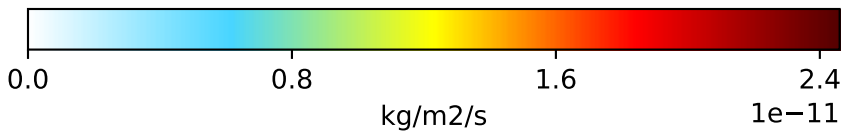
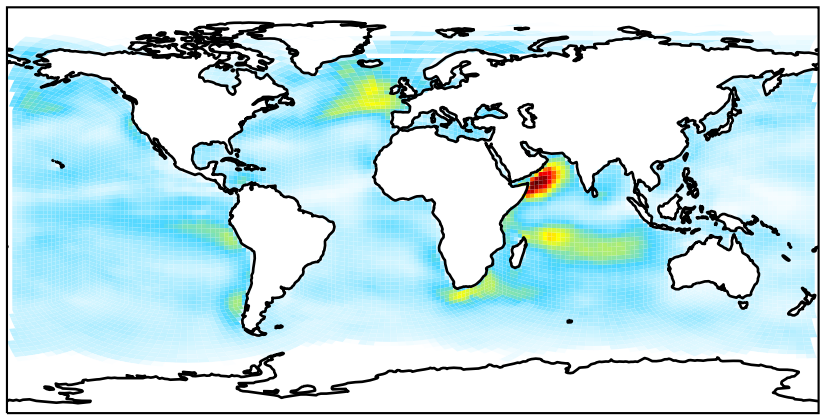
EmisDMS_Ocean

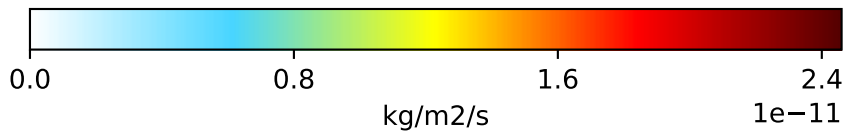
GCHP_13.1.0-beta.1 (Ref)
c48



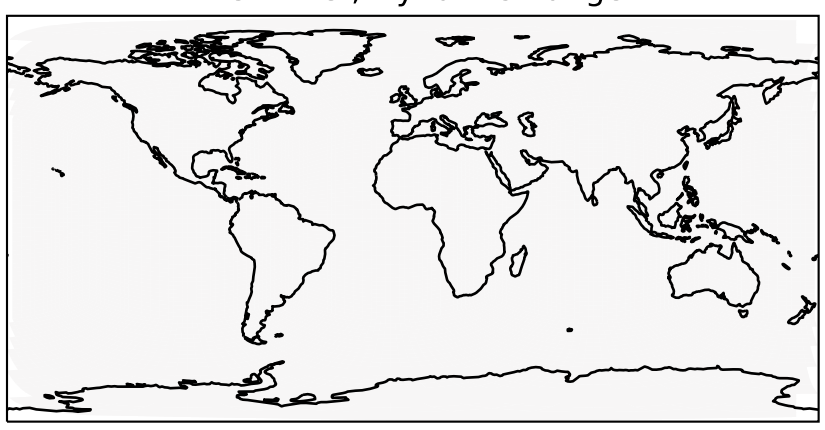


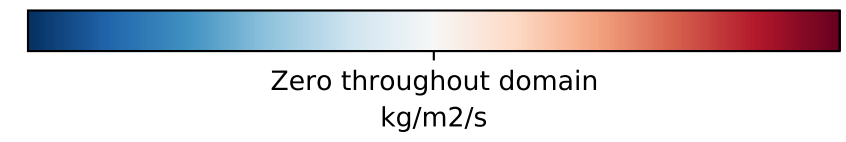
GCHP_13.2.0-beta.0 (Dev)
c48



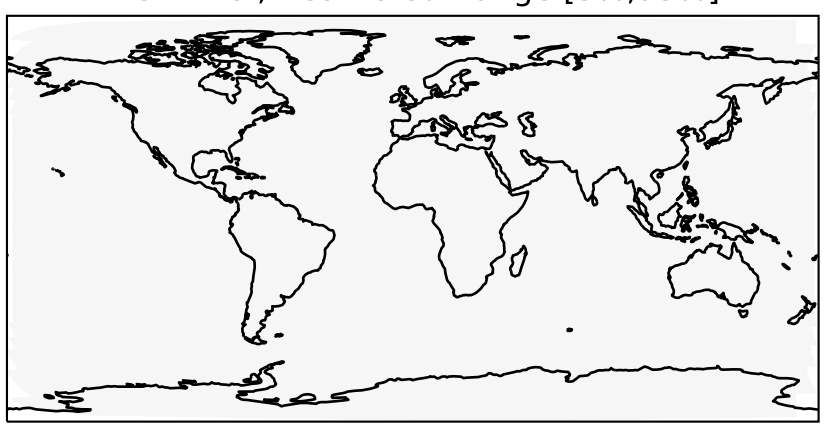


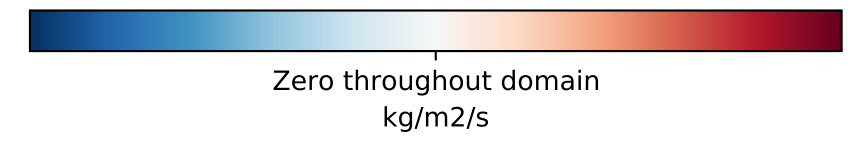
Difference
Dev - Ref, Dynamic Range



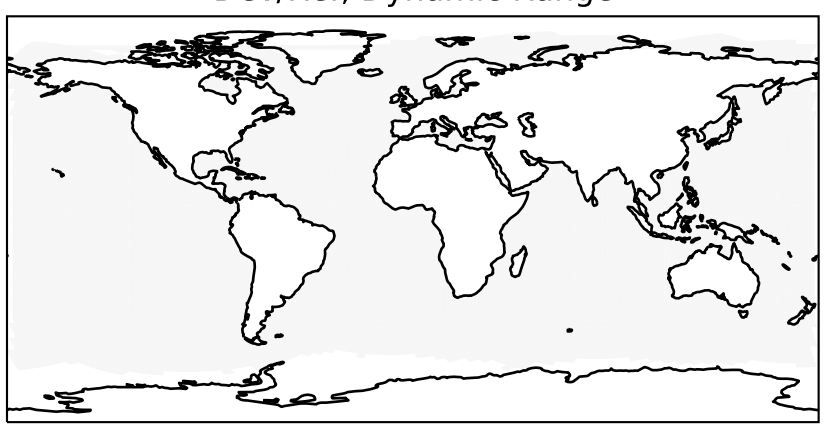


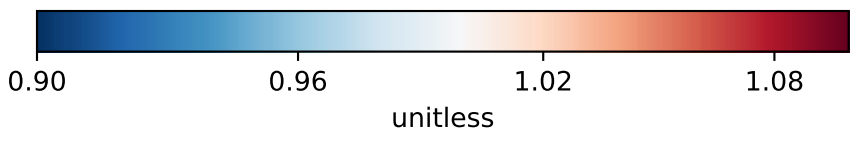
Difference
Dev - Ref, Restricted Range [5%,95%]



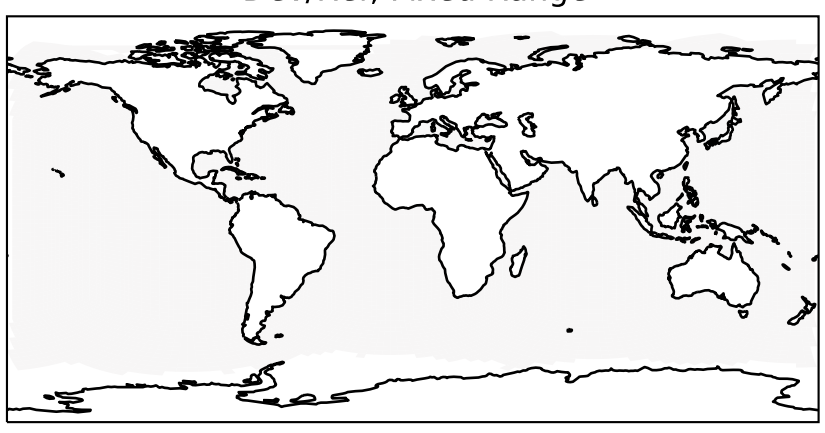


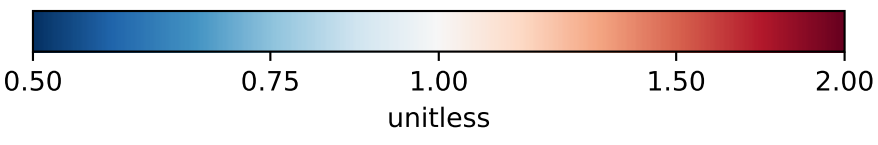
Ratio
Dev/Ref, Dynamic Range





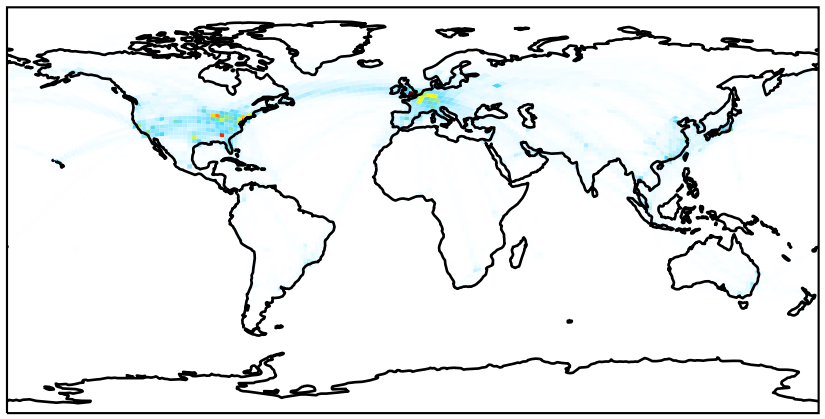
Ratio
Dev/Ref, Fixed Range

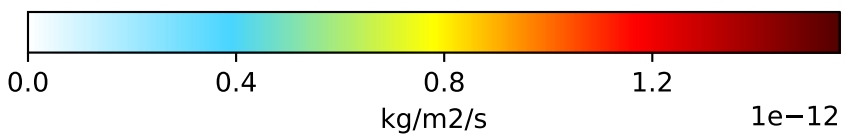




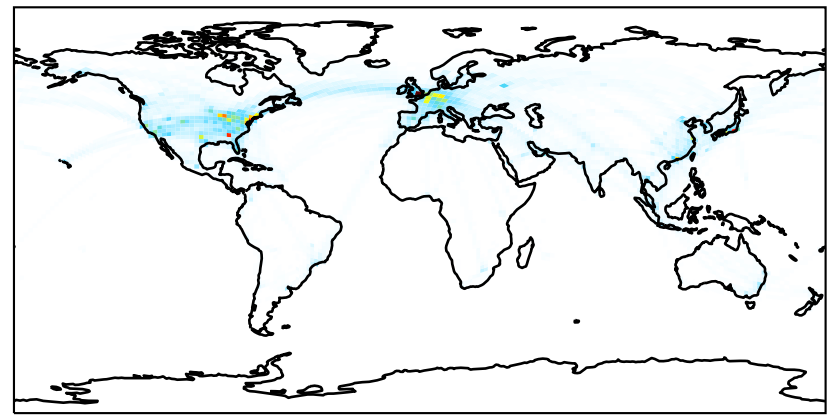
EmisSO2_Aircraft

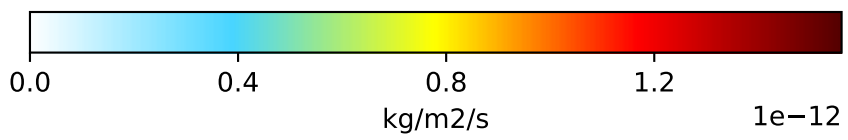
GCHP_13.1.0-beta.1 (Ref)
c48



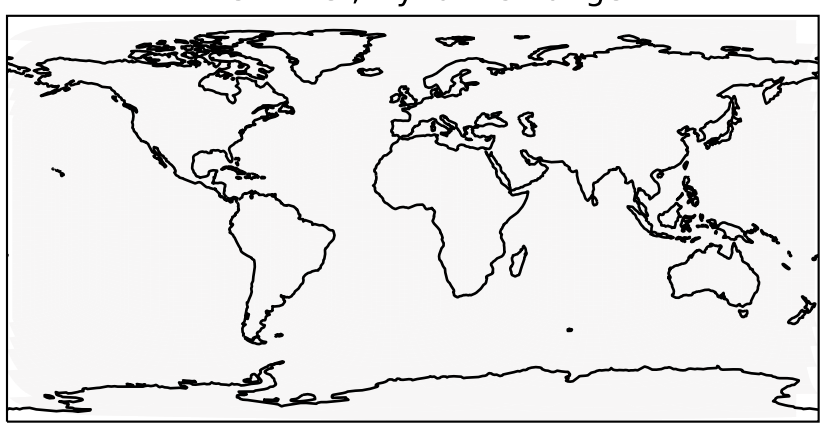


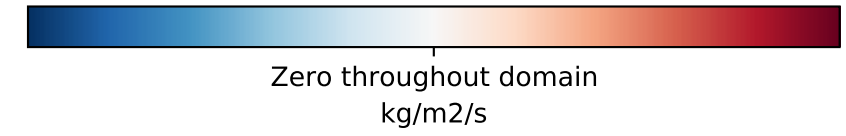
GCHP_13.2.0-beta.0 (Dev)
c48



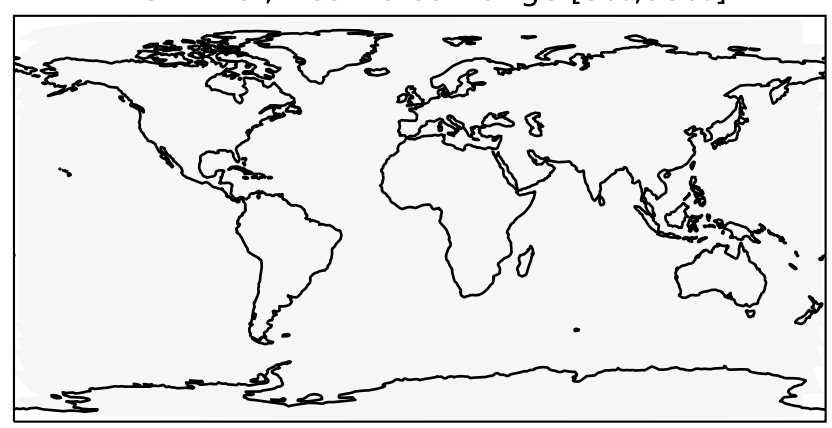


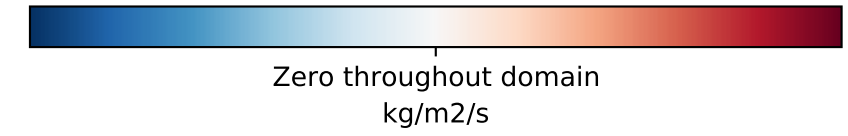
Difference
Dev - Ref, Dynamic Range



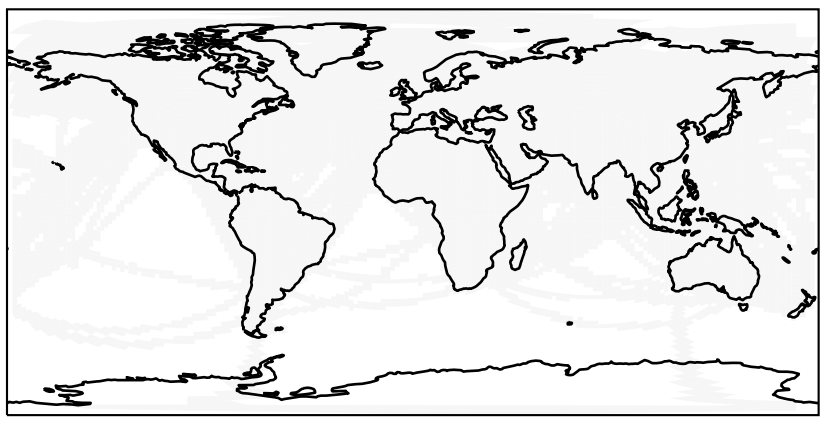


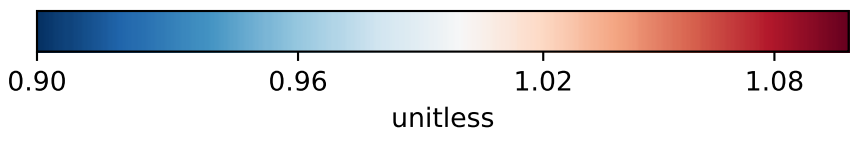
Difference
Dev - Ref, Restricted Range [5%,95%]



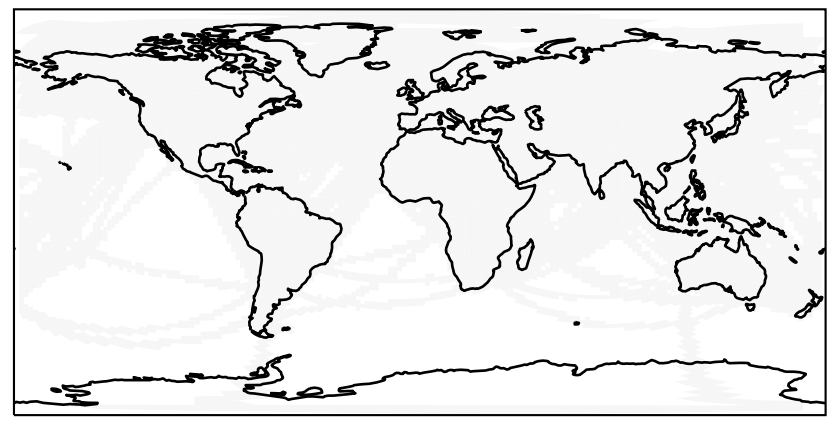


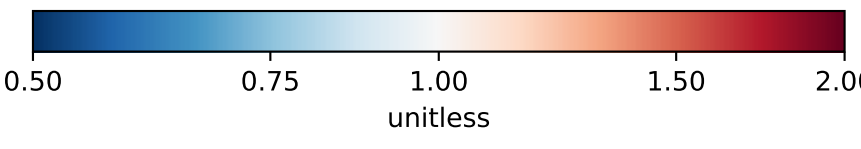
Ratio
Dev/Ref, Dynamic Range





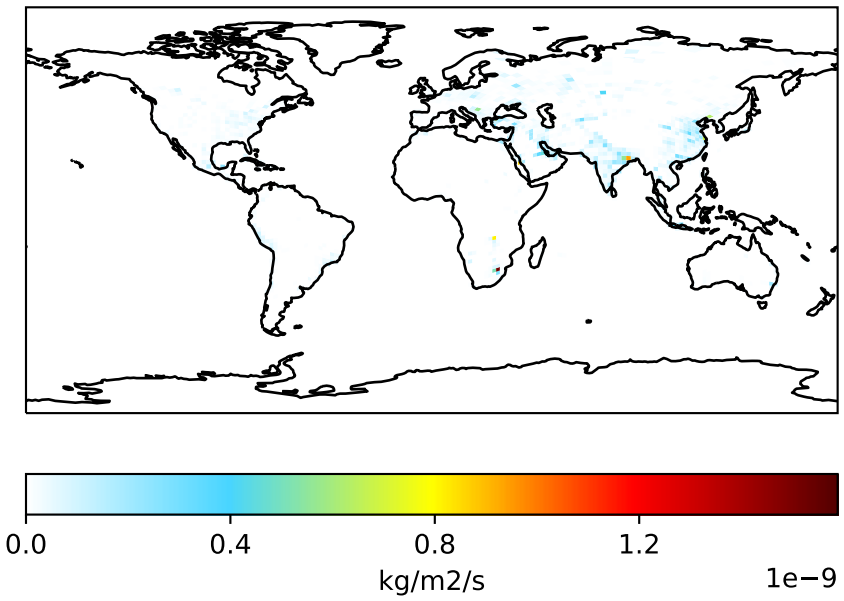
Ratio
Dev/Ref, Fixed Range



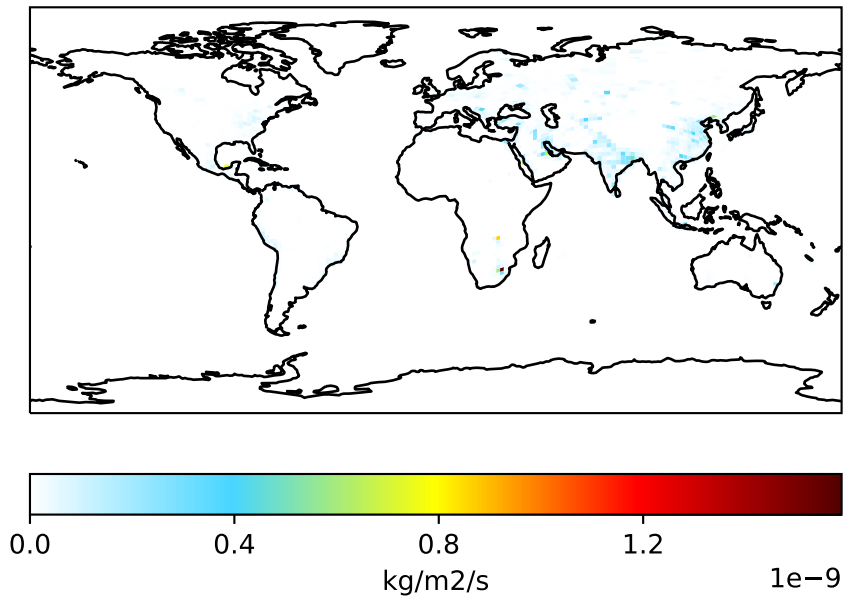


EmisSO2_Anthro

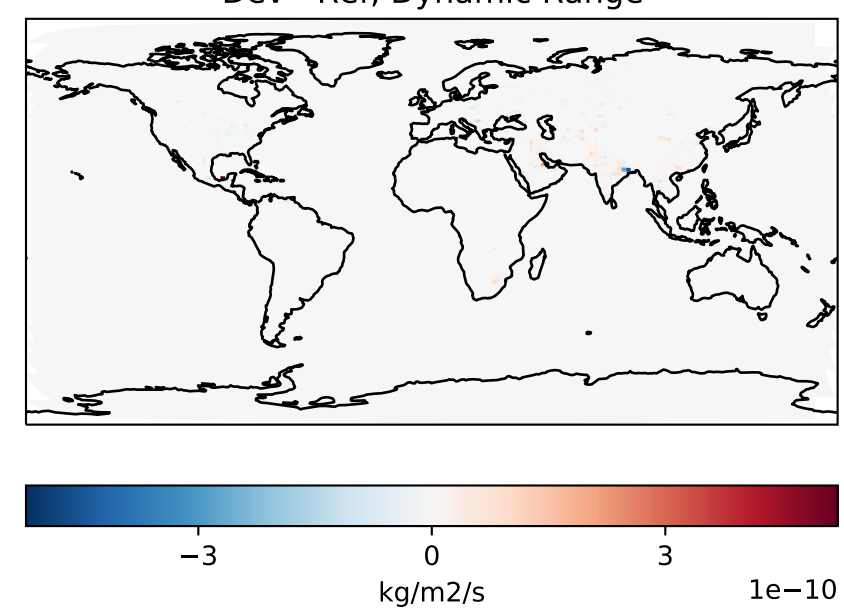
GCHP_13.1.0-beta.1 (Ref)
c48



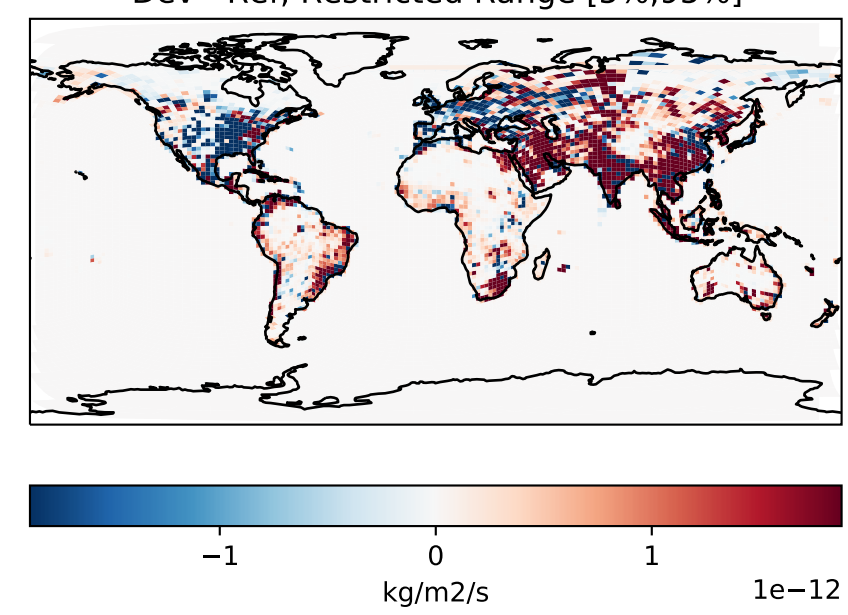
GCHP_13.2.0-beta.0 (Dev)
c48



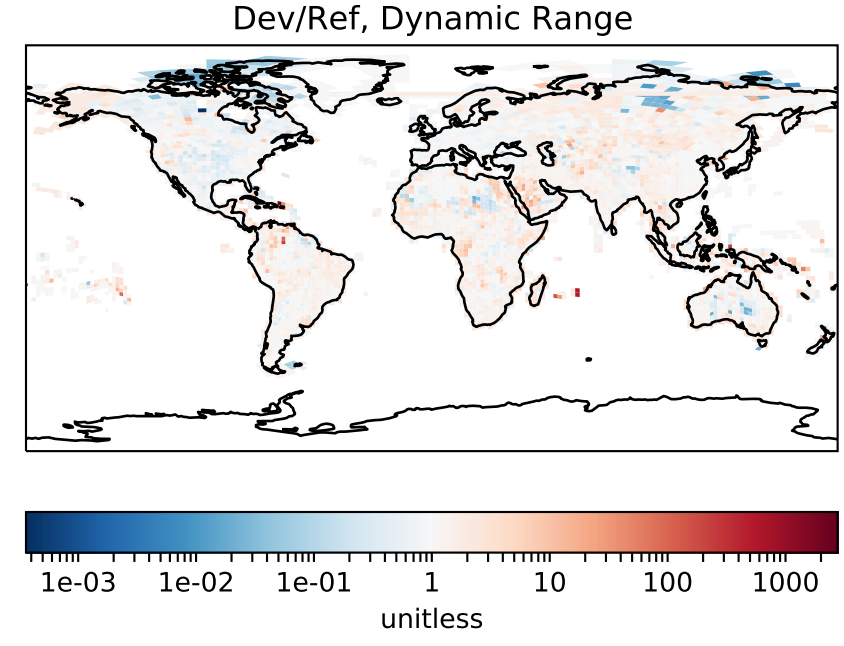
Difference
Dev - Ref, Dynamic Range



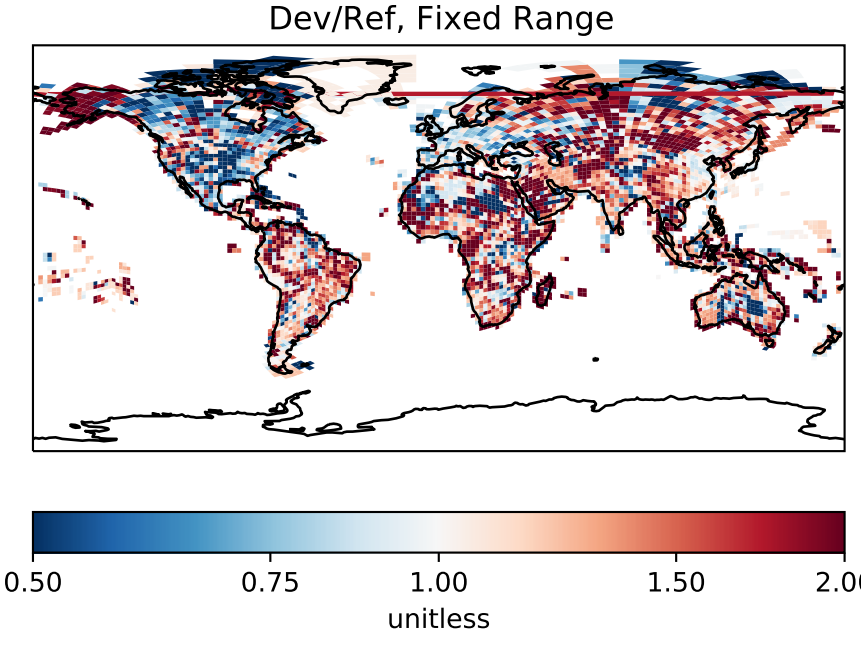
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

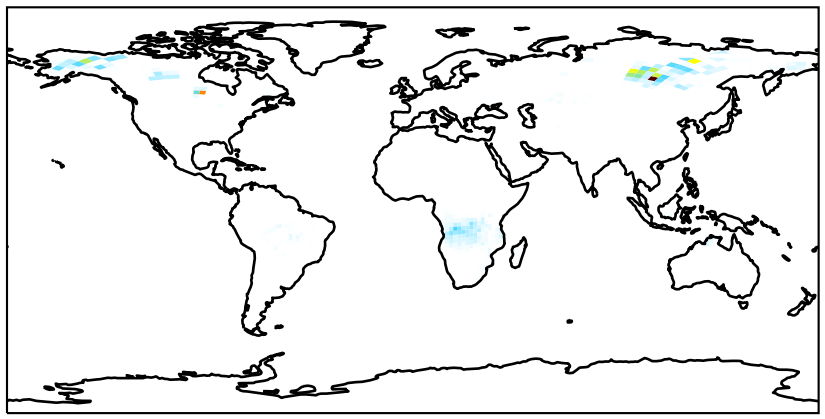


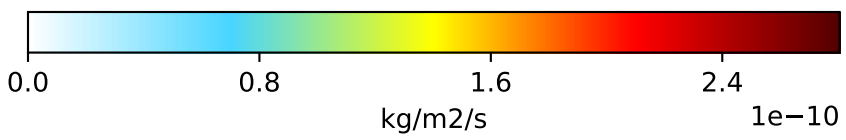
Ratio
Dev/Ref, Fixed Range



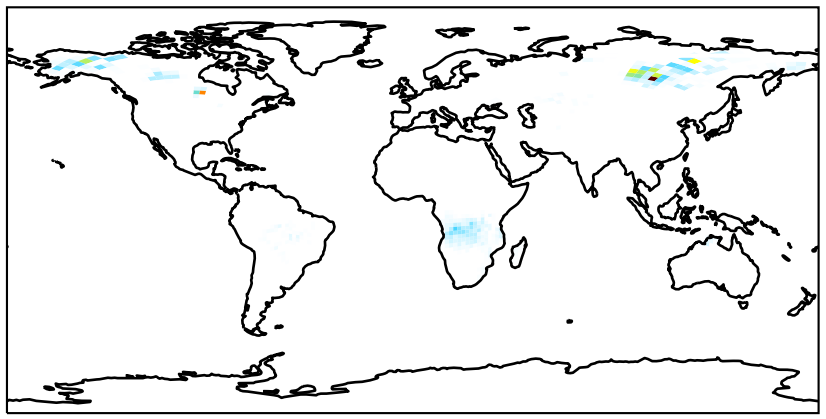
EmisSO2_BioBurn

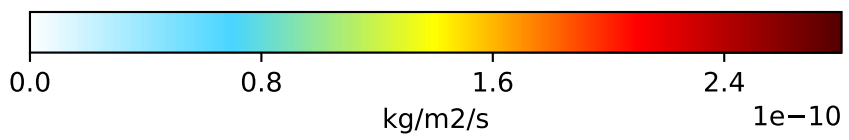
GCHP_13.1.0-beta.1 (Ref)
c48



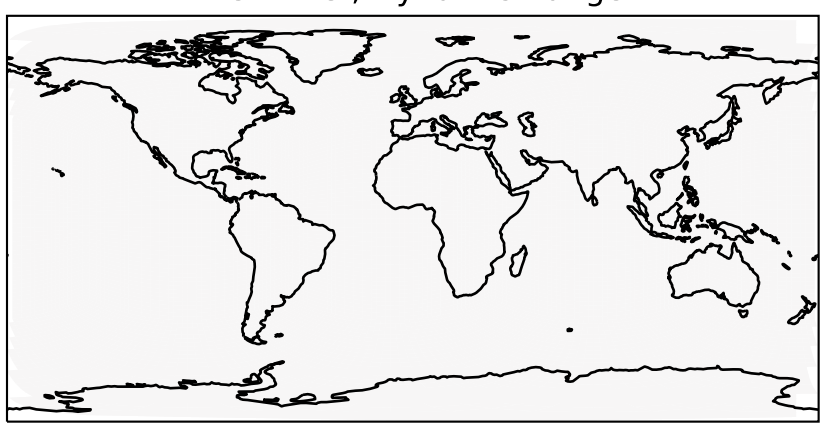


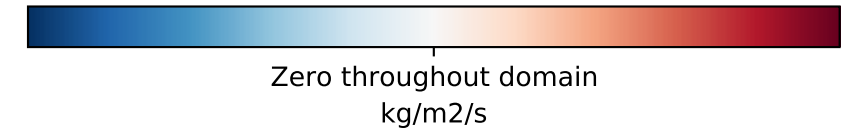
GCHP_13.2.0-beta.0 (Dev)
c48



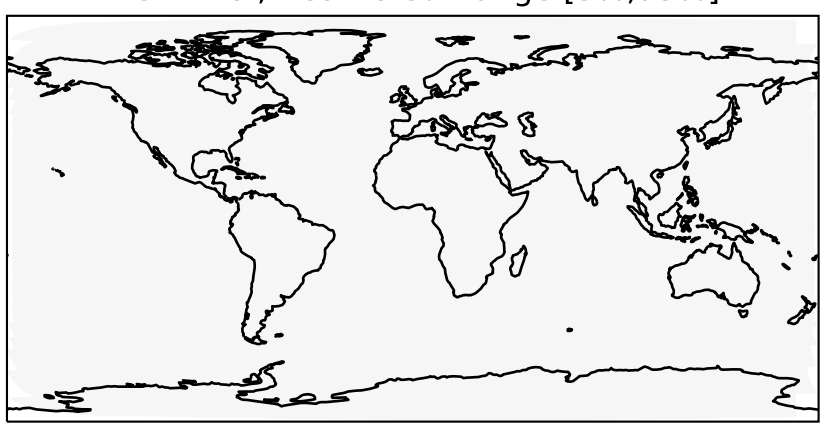


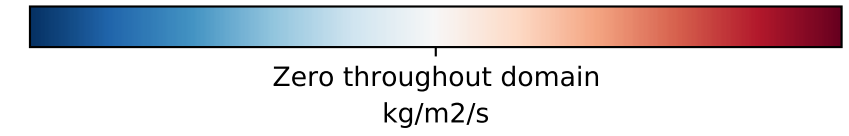
Difference
Dev - Ref, Dynamic Range



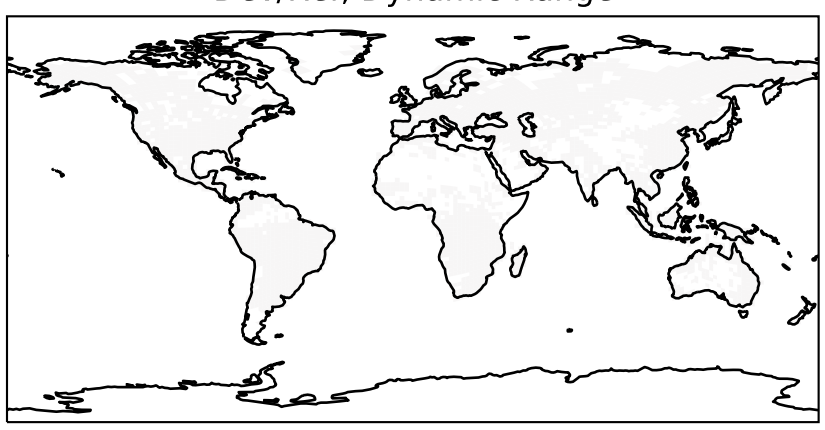


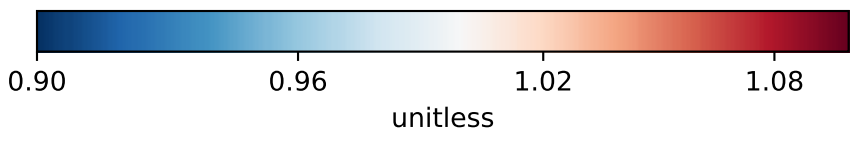
Difference
Dev - Ref, Restricted Range [5%,95%]



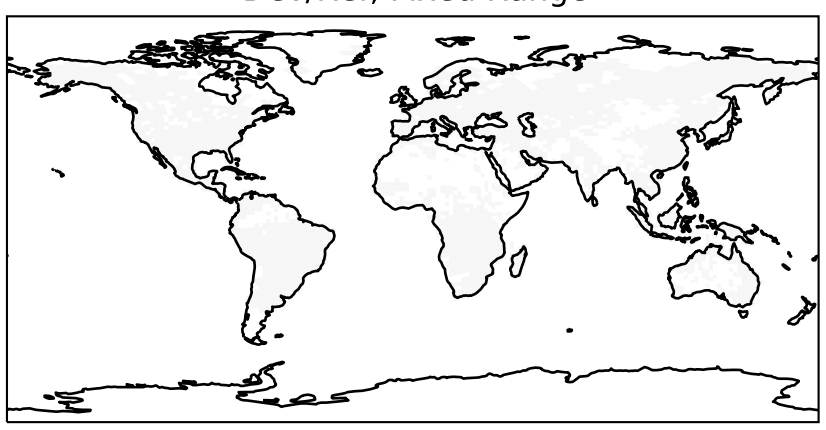


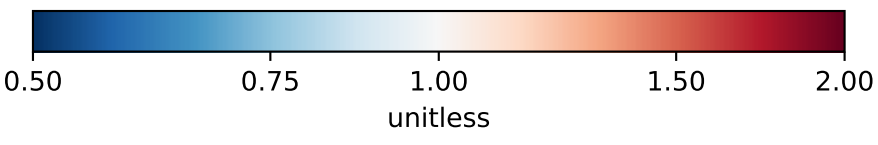
Ratio
Dev/Ref, Dynamic Range





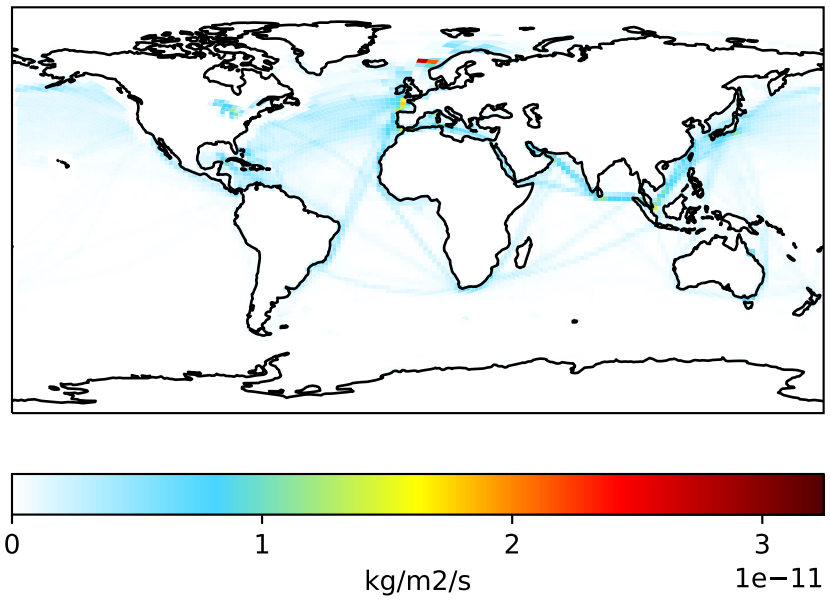
Ratio
Dev/Ref, Fixed Range



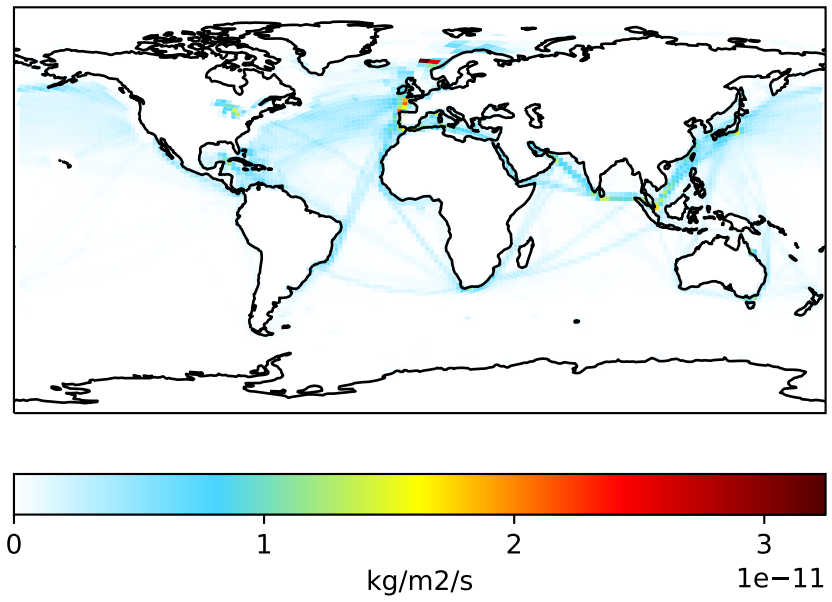


EmisSO2_Ship

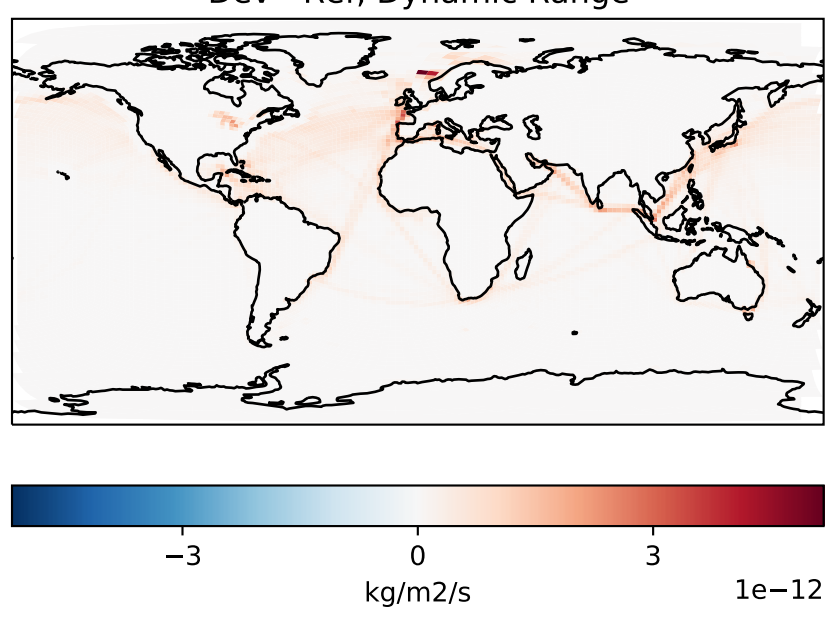
GCHP_13.1.0-beta.1 (Ref)
c48



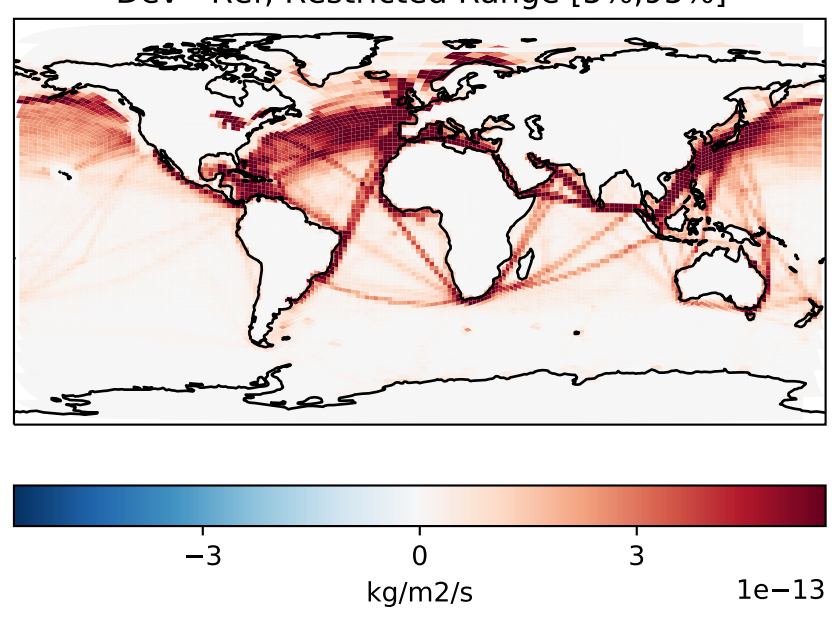
GCHP_13.2.0-beta.0 (Dev)
c48



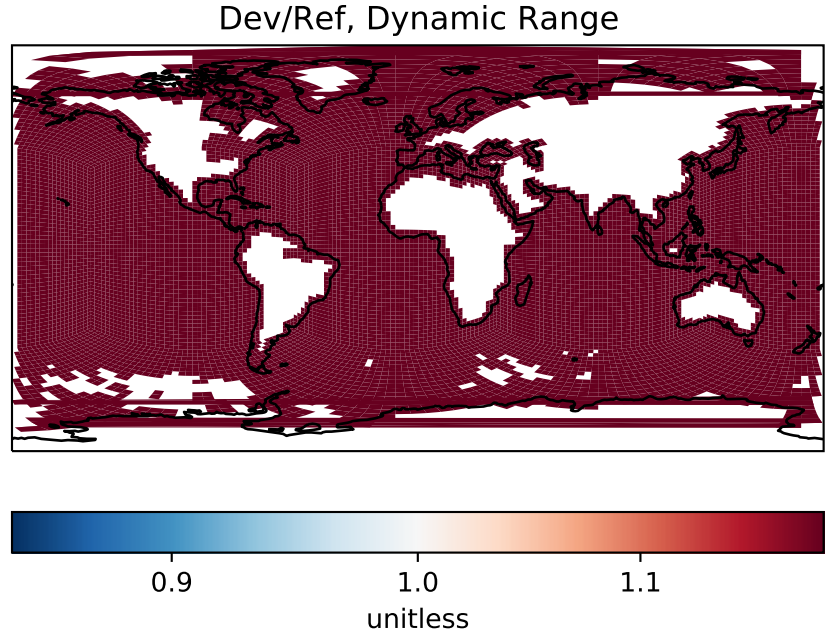
Difference
Dev - Ref, Dynamic Range



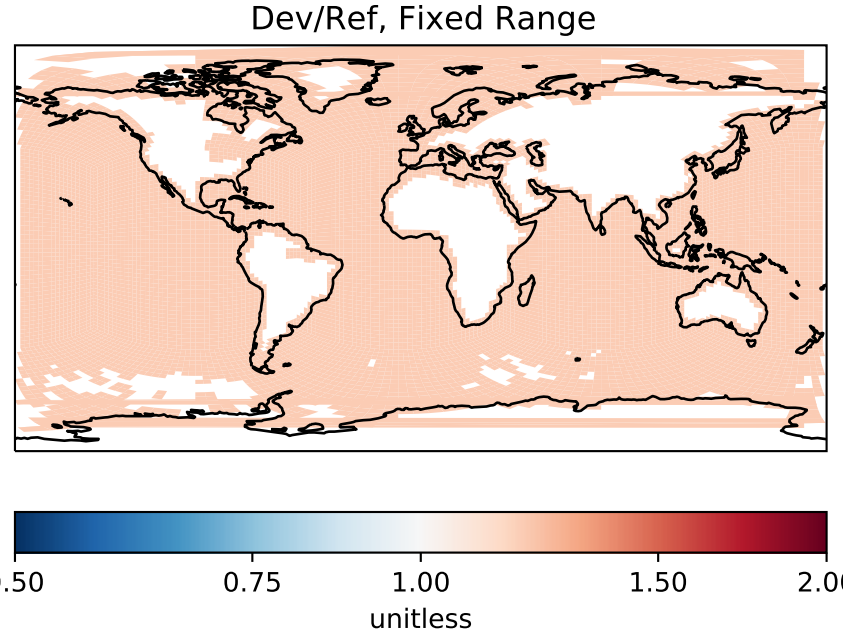
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

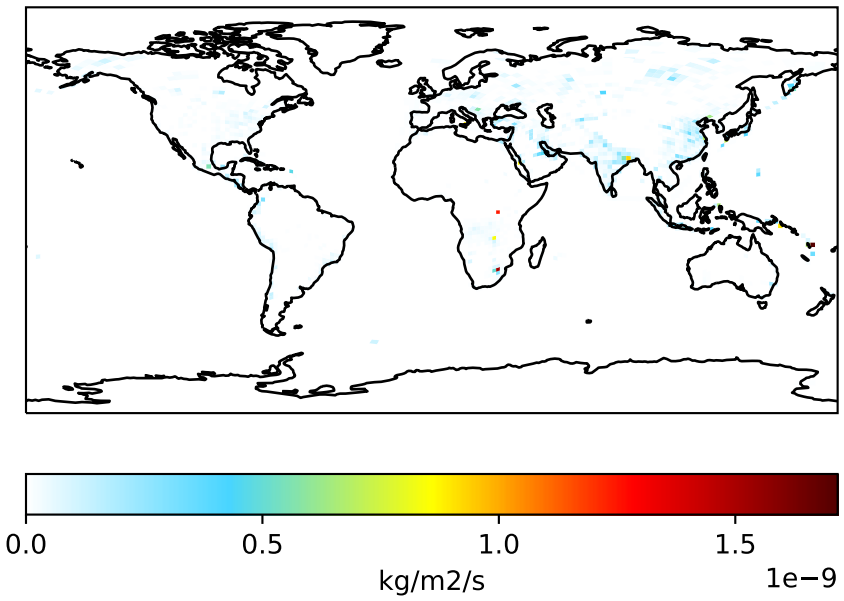


Ratio
Dev/Ref, Fixed Range

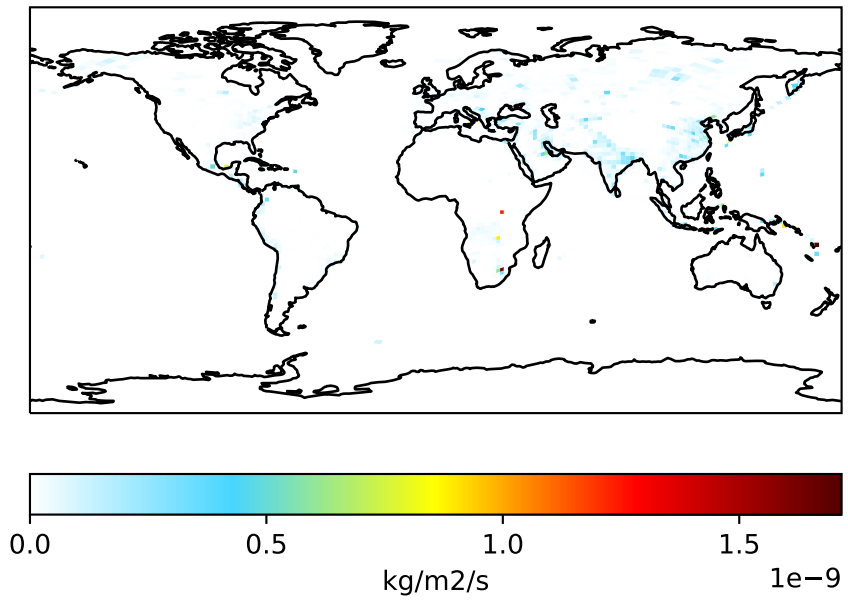


EmisSO2_Total

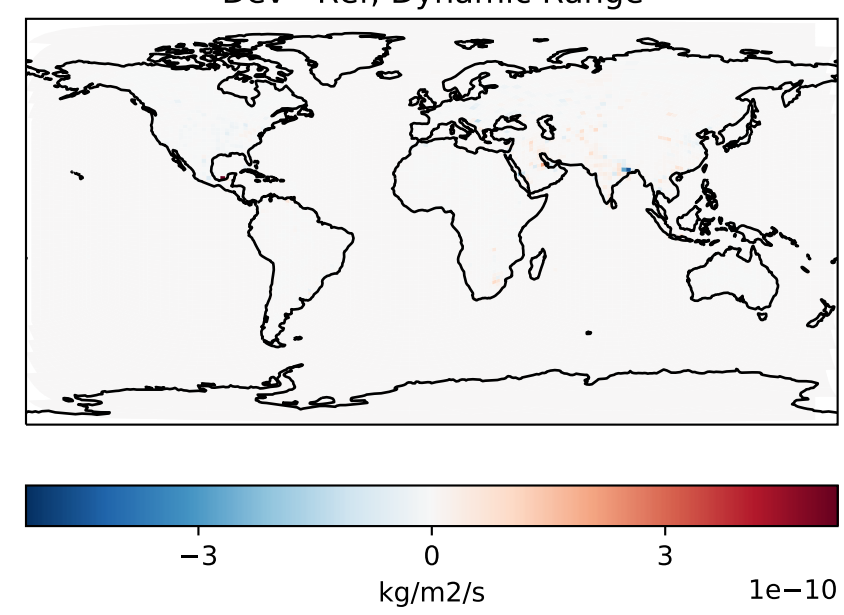
GCHP_13.1.0-beta.1 (Ref)
c48



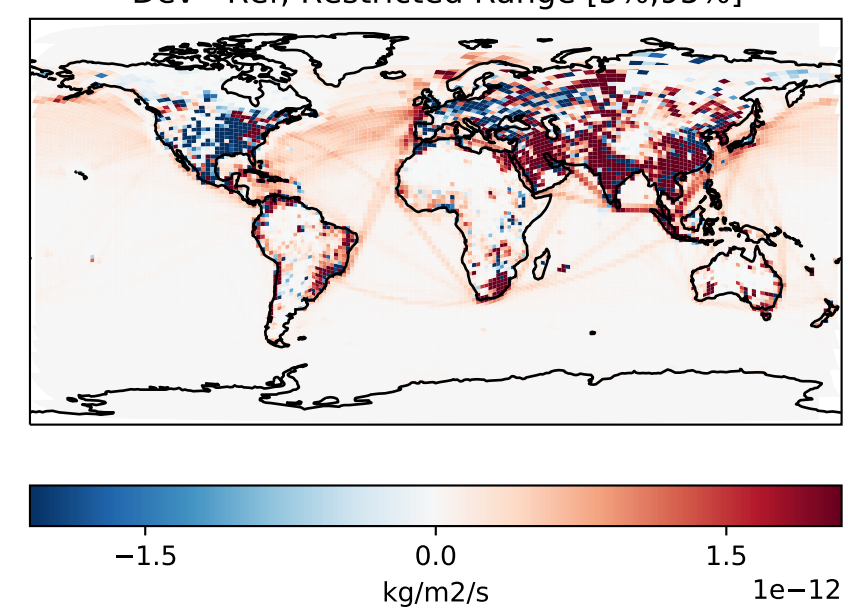
GCHP_13.2.0-beta.0 (Dev)
c48



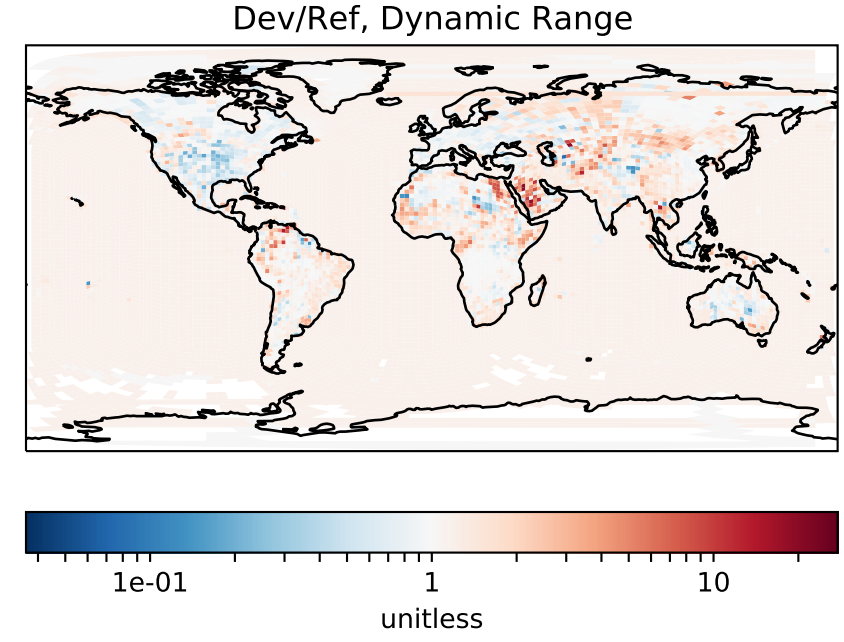
Difference
Dev - Ref, Dynamic Range



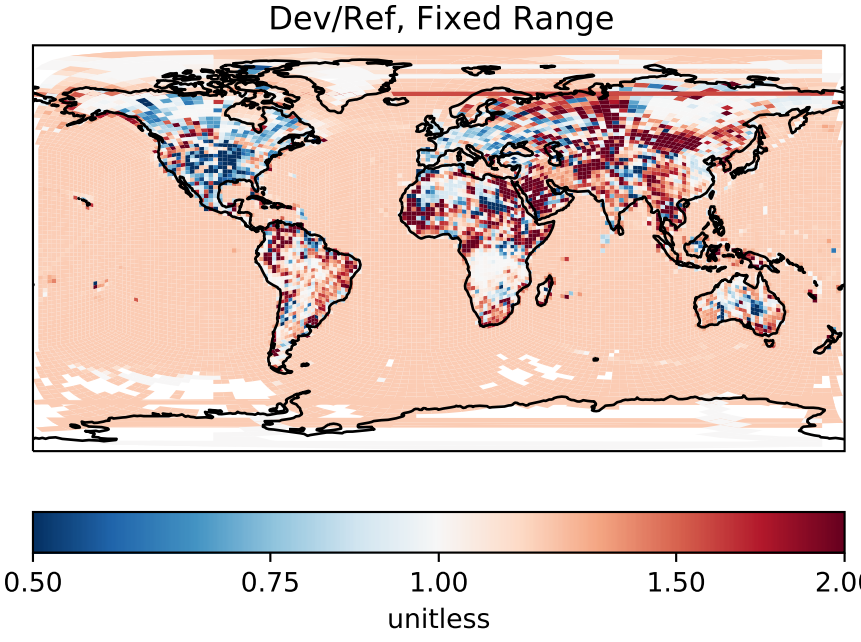
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

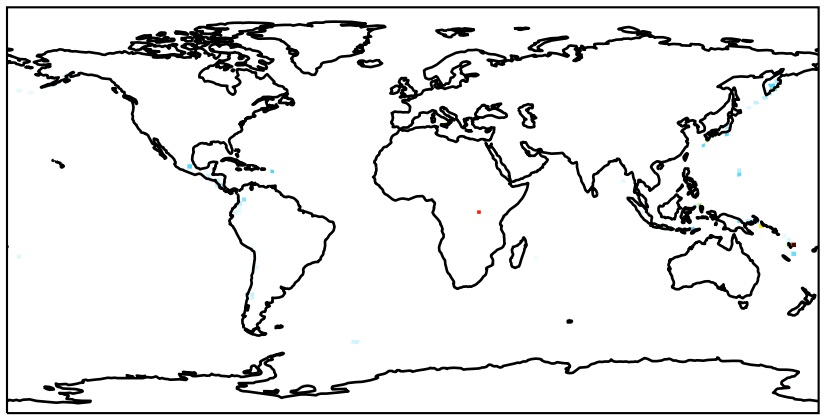


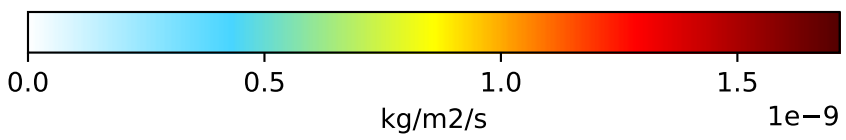
Ratio
Dev/Ref, Fixed Range



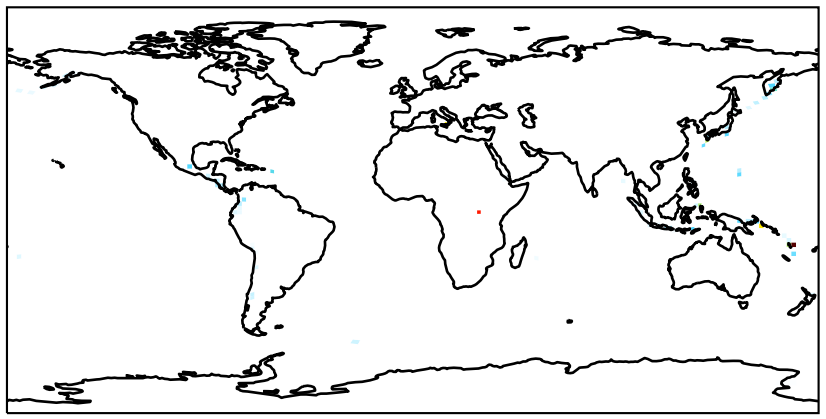
EmisSO2_VolcDegas

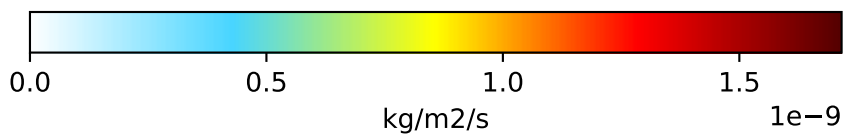
GCHP_13.1.0-beta.1 (Ref)
c48



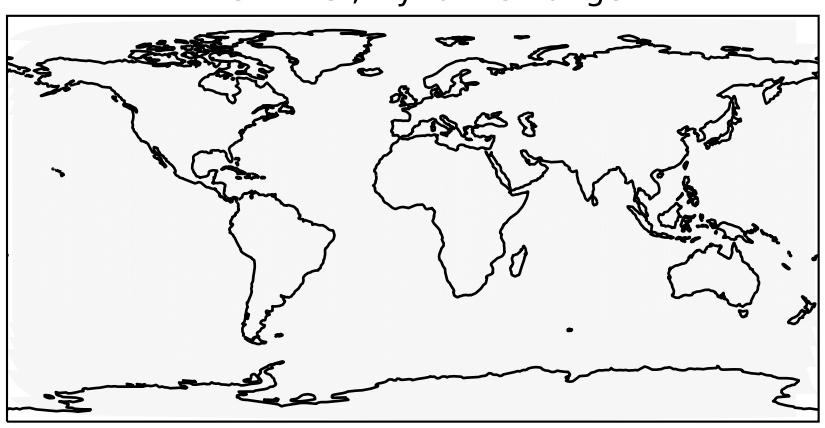


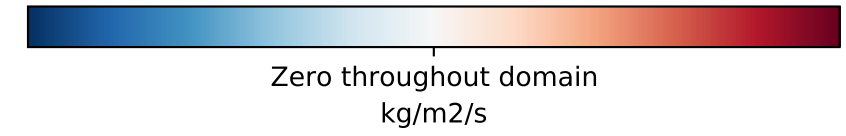
GCHP_13.2.0-beta.0 (Dev)
c48



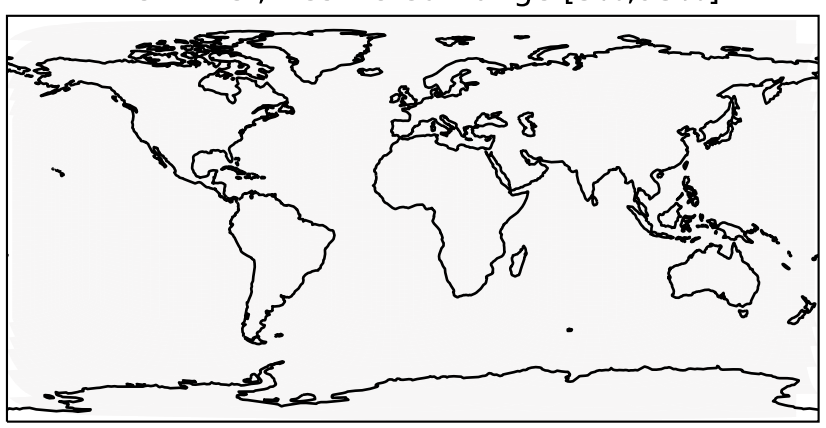


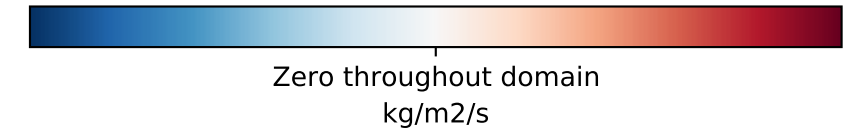
Difference
Dev - Ref, Dynamic Range



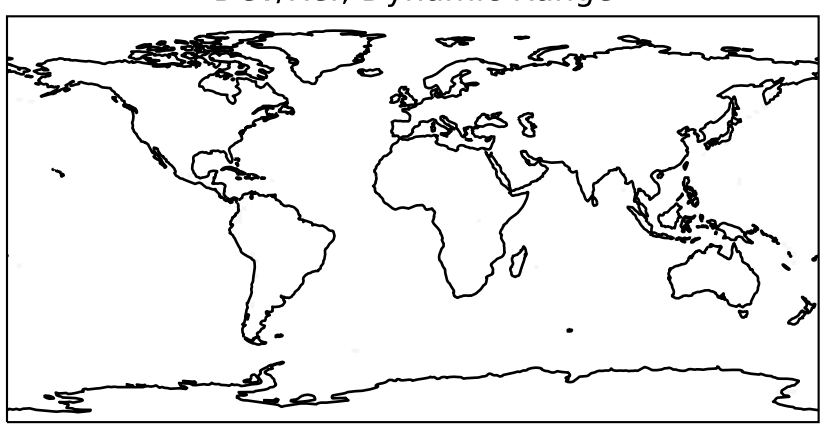


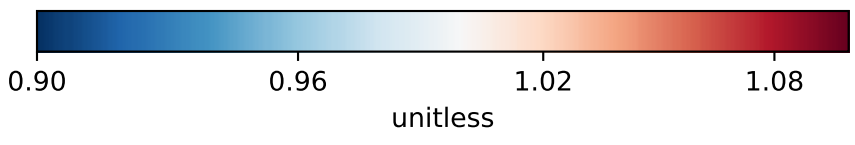
Difference
Dev - Ref, Restricted Range [5%,95%]



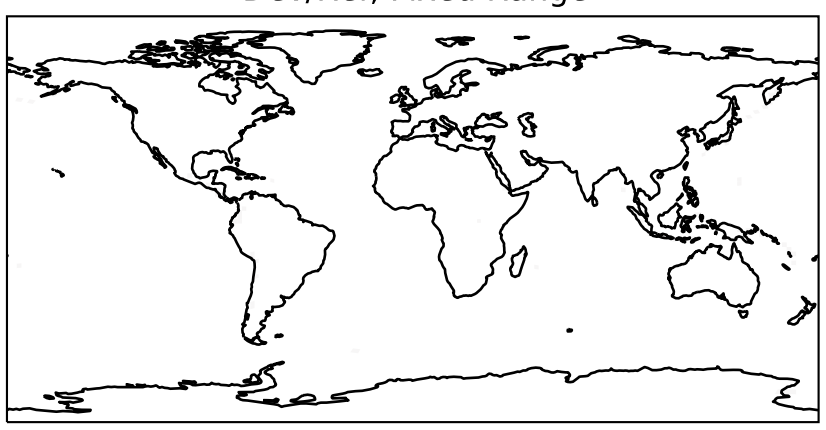


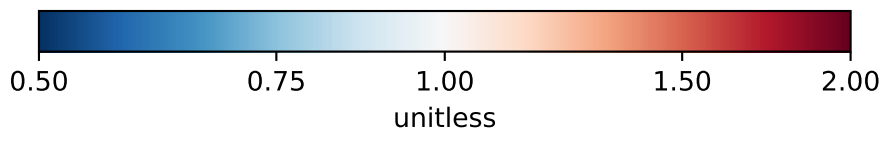
Ratio
Dev/Ref, Dynamic Range





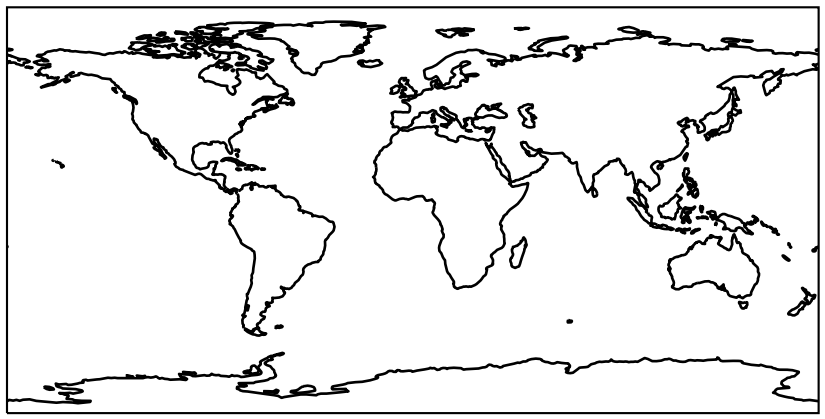
Ratio
Dev/Ref, Fixed Range





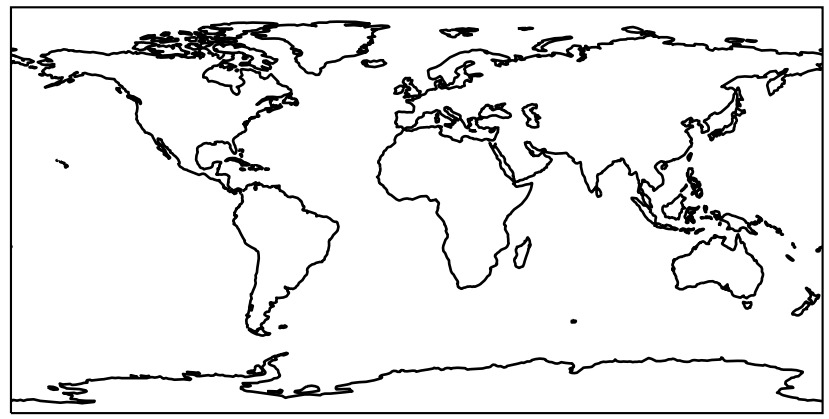
EmisSO2_VolcErupt

GCHP_13.1.0-beta.1 (Ref)
c48



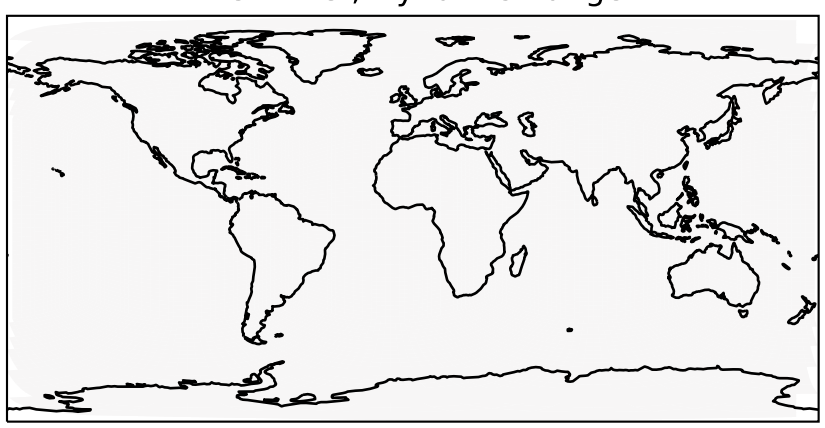
Zero throughout domain
kg/m2/s

GCHP_13.2.0-beta.0 (Dev)
c48



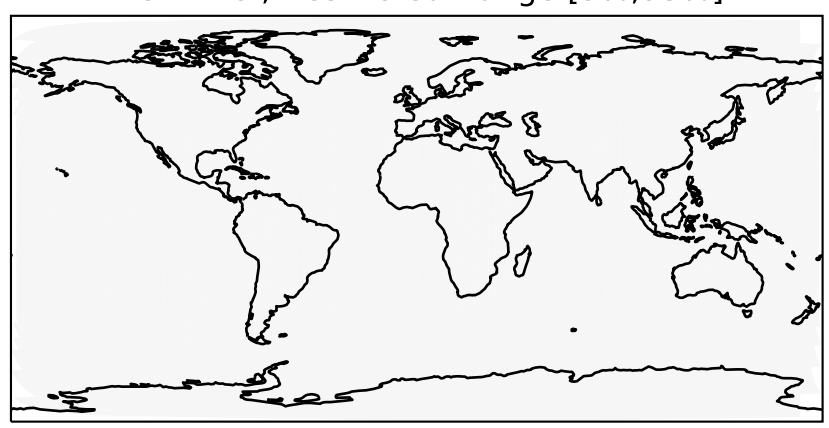
Zero throughout domain
kg/m2/s

Difference
Dev - Ref, Dynamic Range



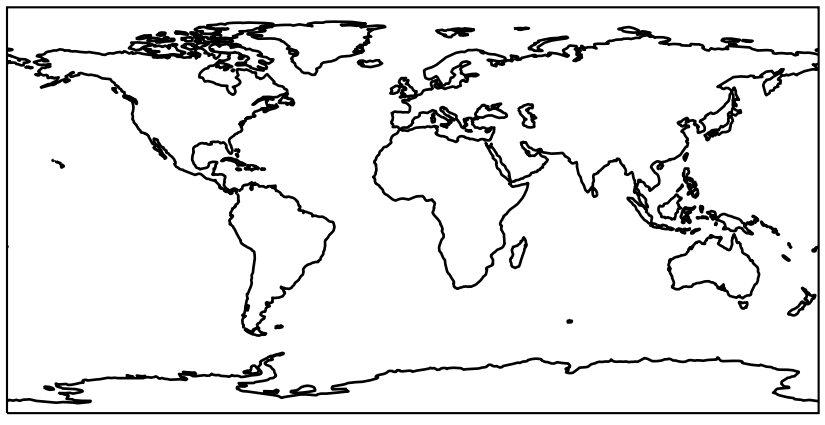
Zero throughout domain
kg/m2/s

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



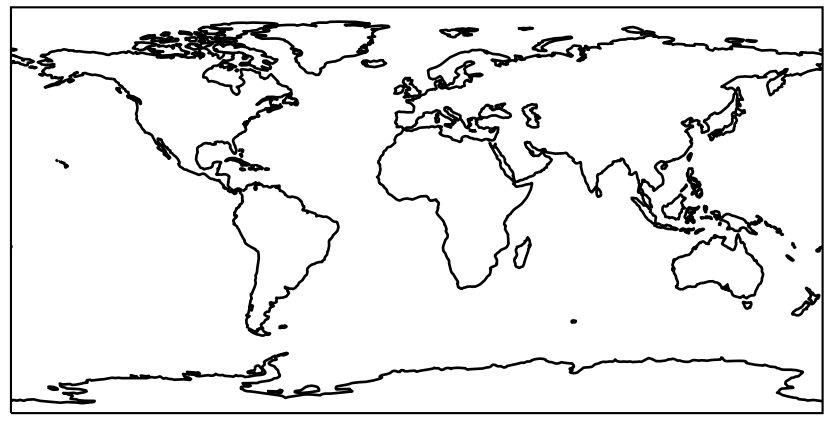
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kg/m2/s

Ratio
Dev/Ref, Dynamic Range



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unitless

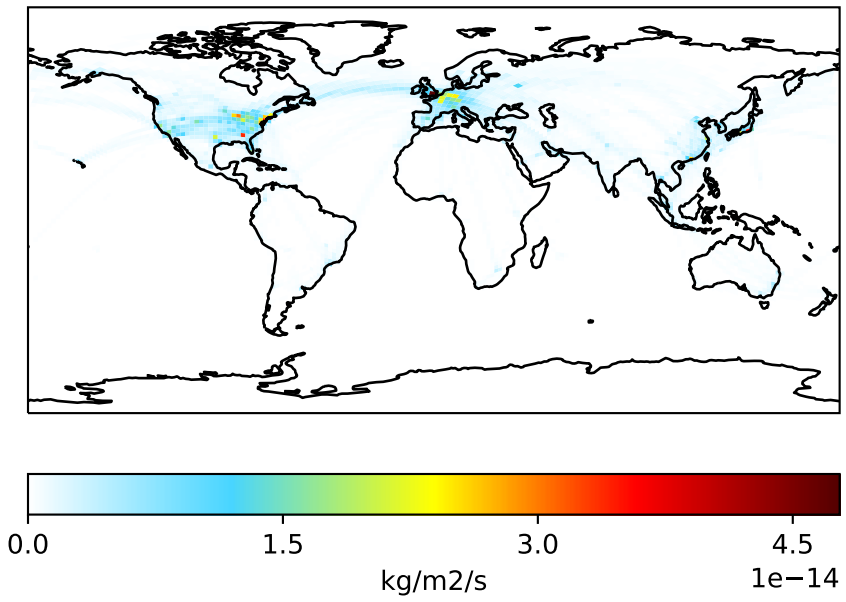
Ratio
Dev/Ref, Fixed Range



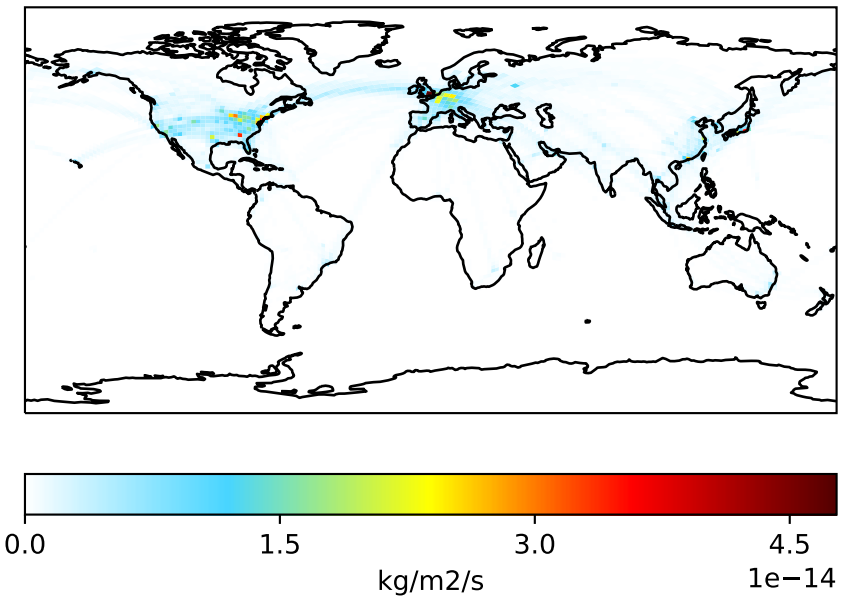
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EmisSO4_Aircraft

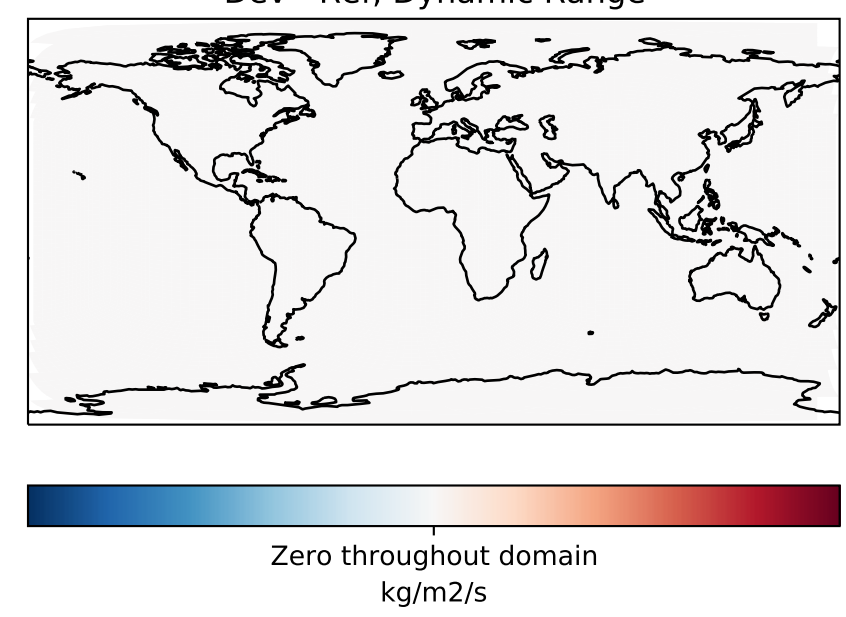
GCHP_13.1.0-beta.1 (Ref)
c48



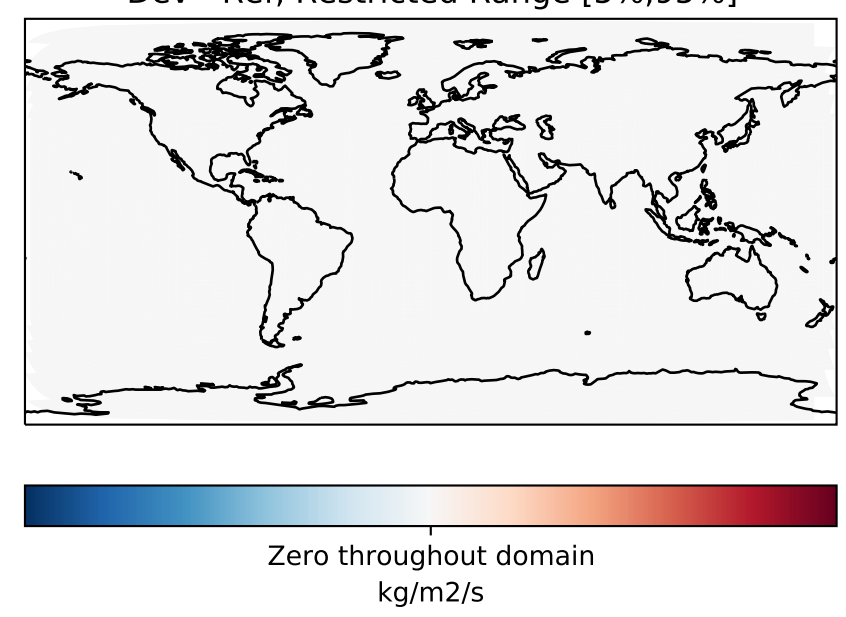
GCHP_13.2.0-beta.0 (Dev)
c48



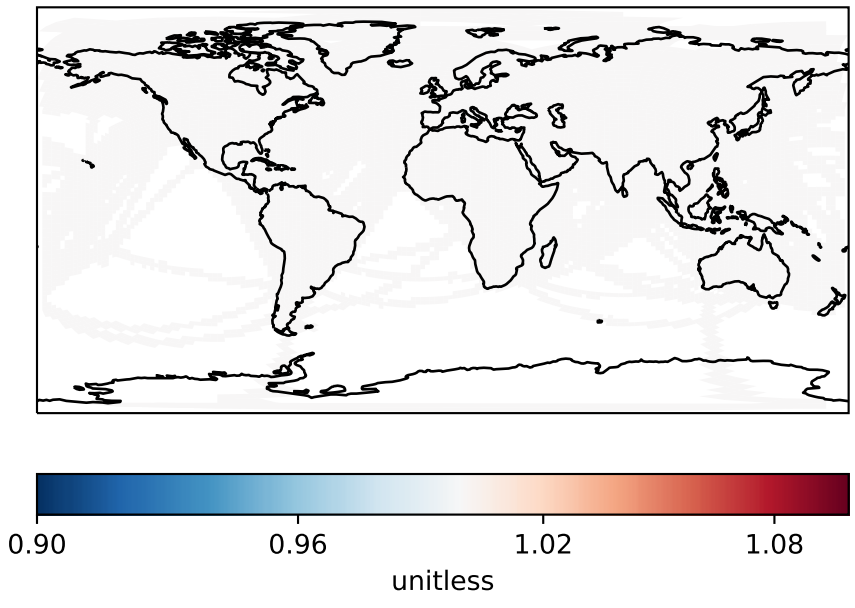
Difference
Dev - Ref, Dynamic Range



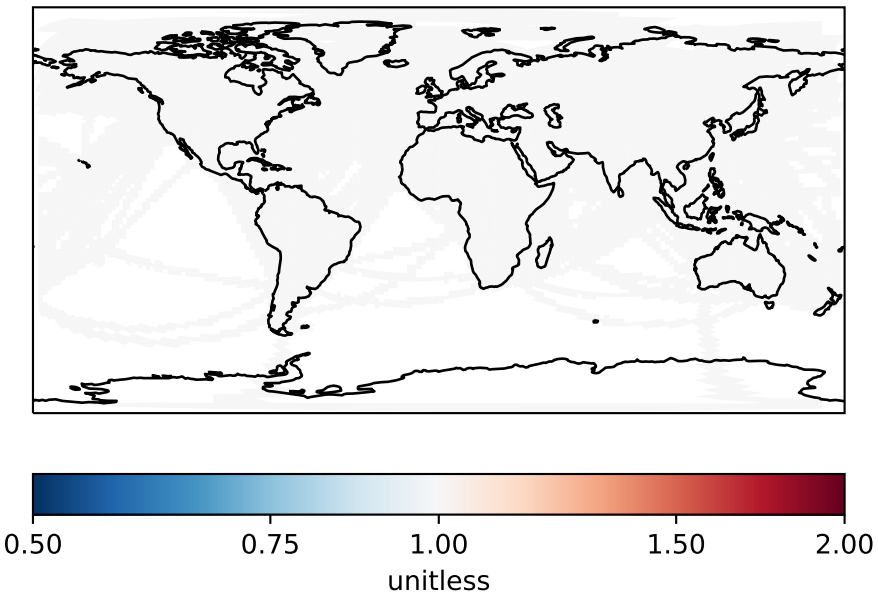
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

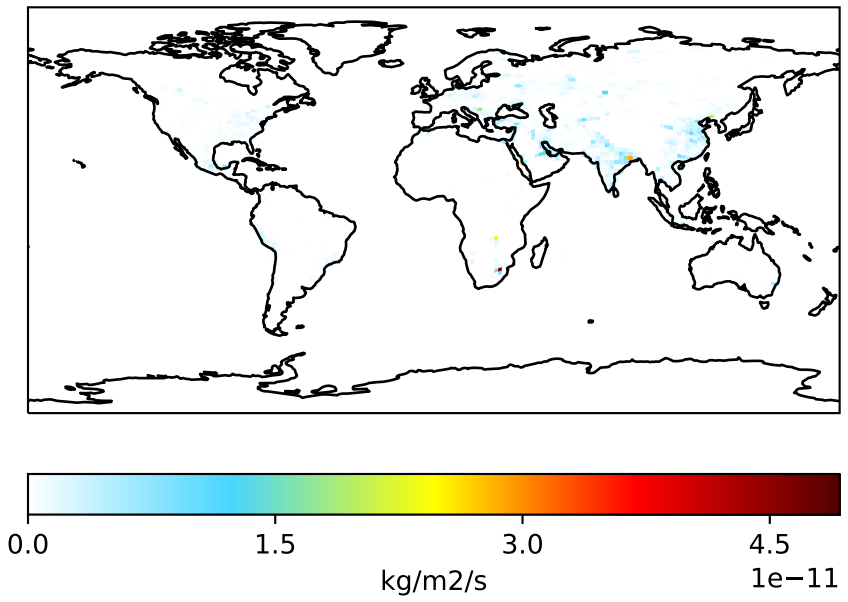


Ratio
Dev/Ref, Fixed Range

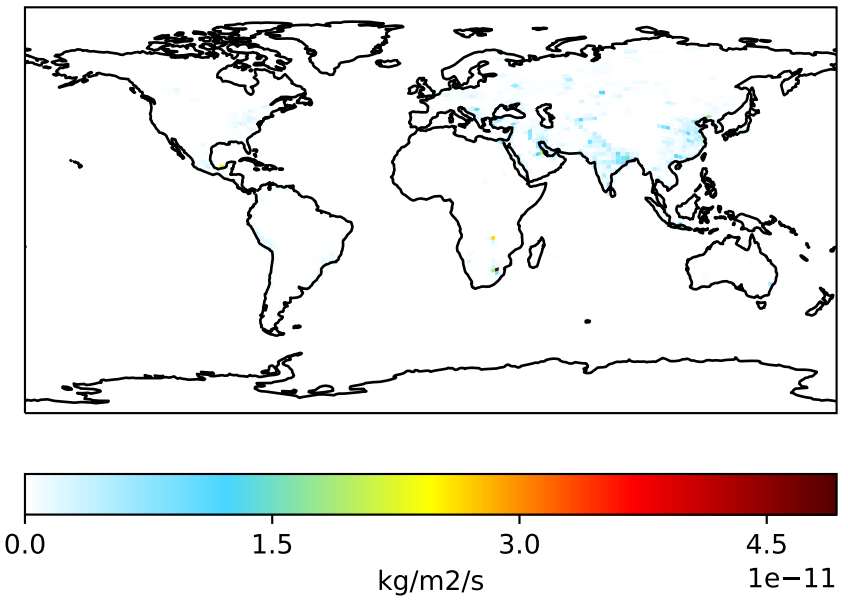


EmisSO4_Anthro

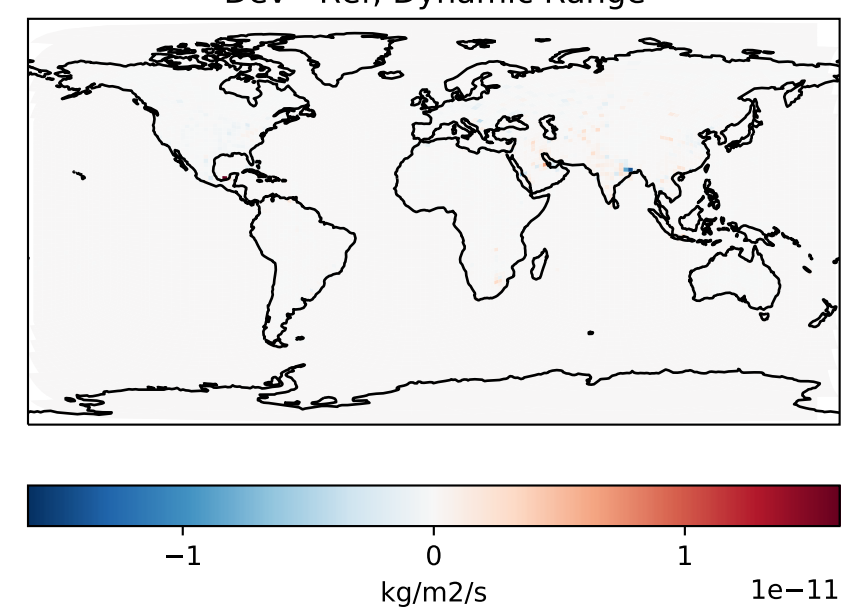
GCHP_13.1.0-beta.1 (Ref)
c48



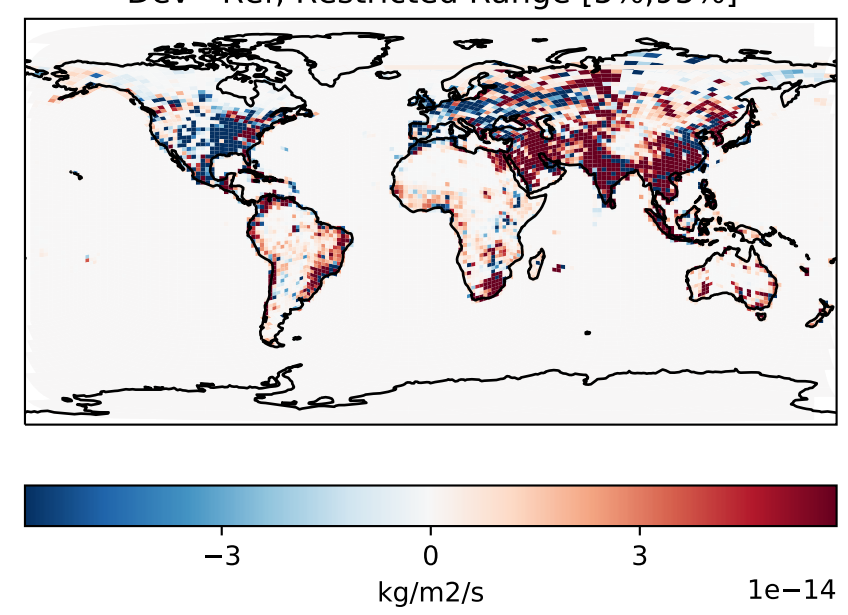
GCHP_13.2.0-beta.0 (Dev)
c48



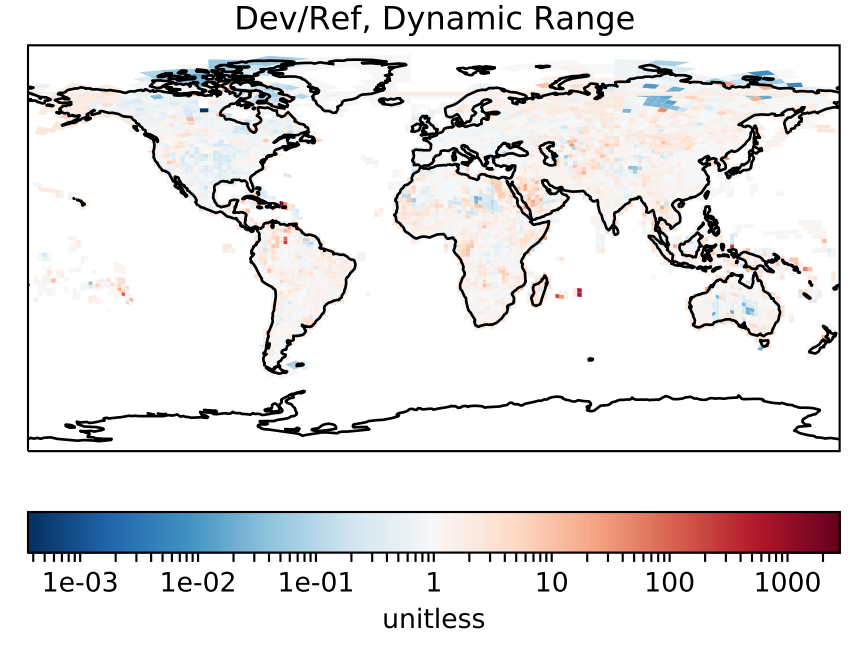
Difference
Dev - Ref, Dynamic Range



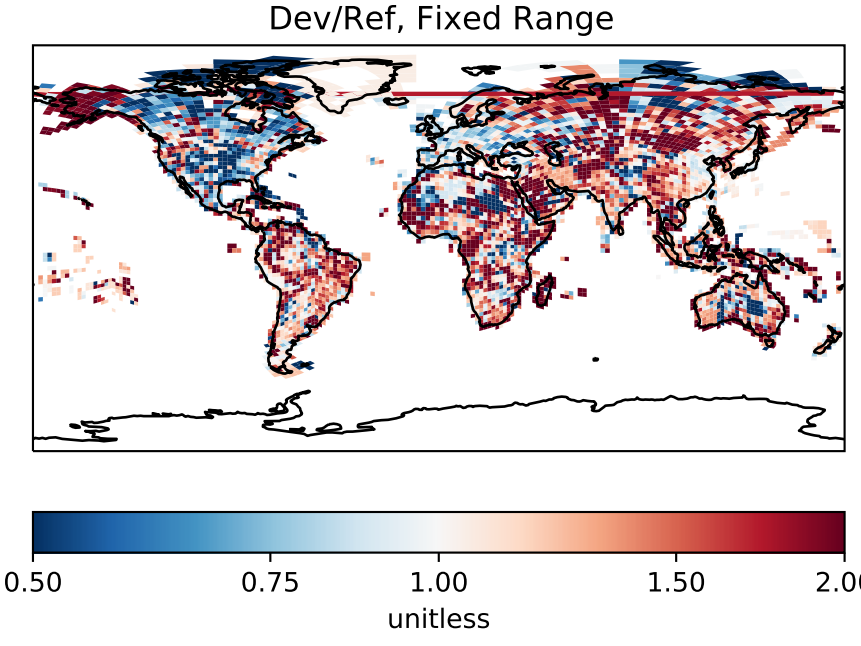
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

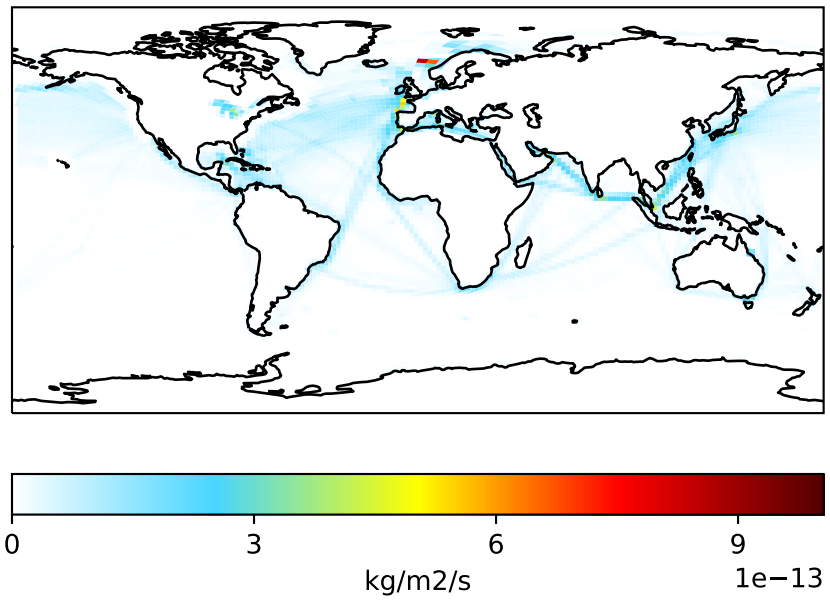


Ratio
Dev/Ref, Fixed Range

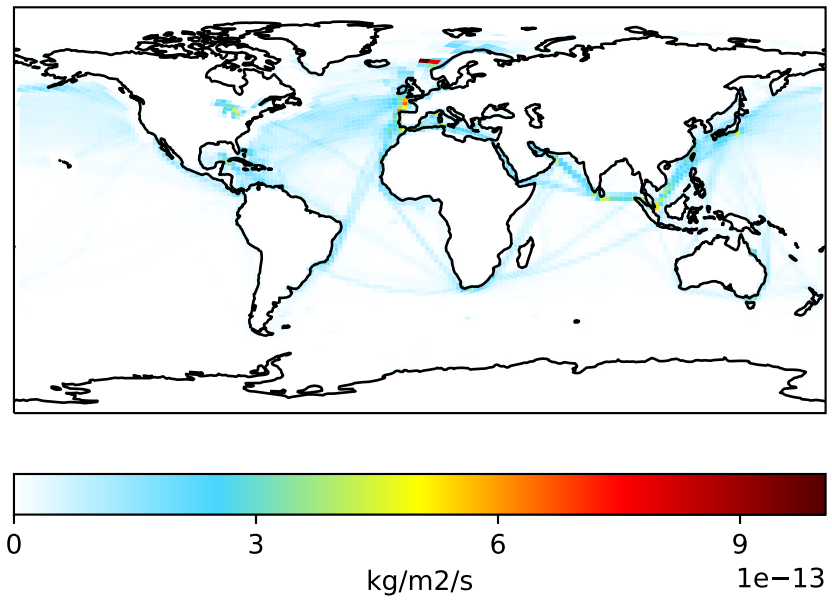


EmisSO4_Ship

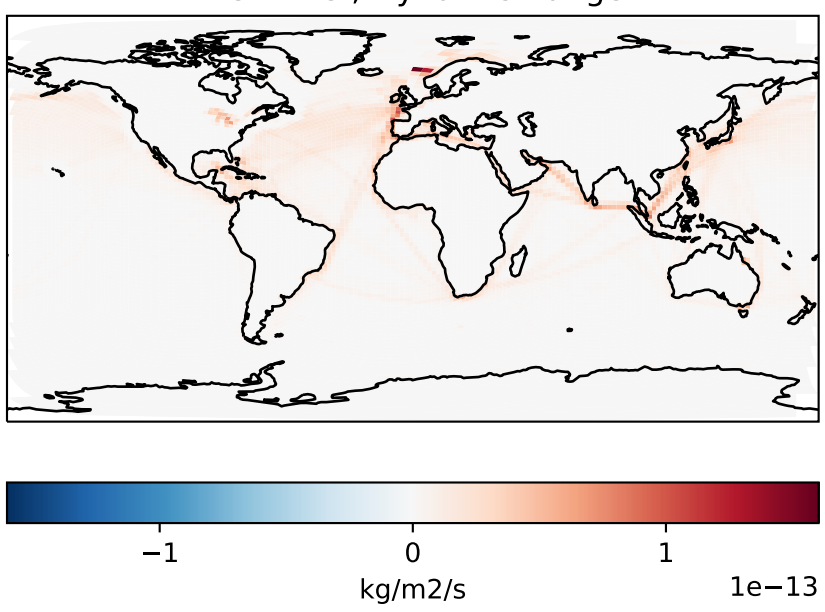
GCHP_13.1.0-beta.1 (Ref)
c48



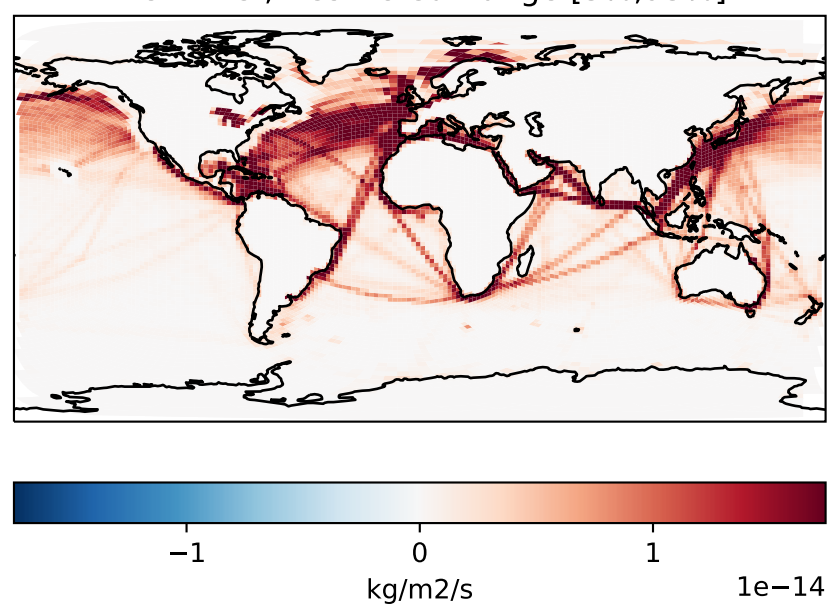
GCHP_13.2.0-beta.0 (Dev)
c48



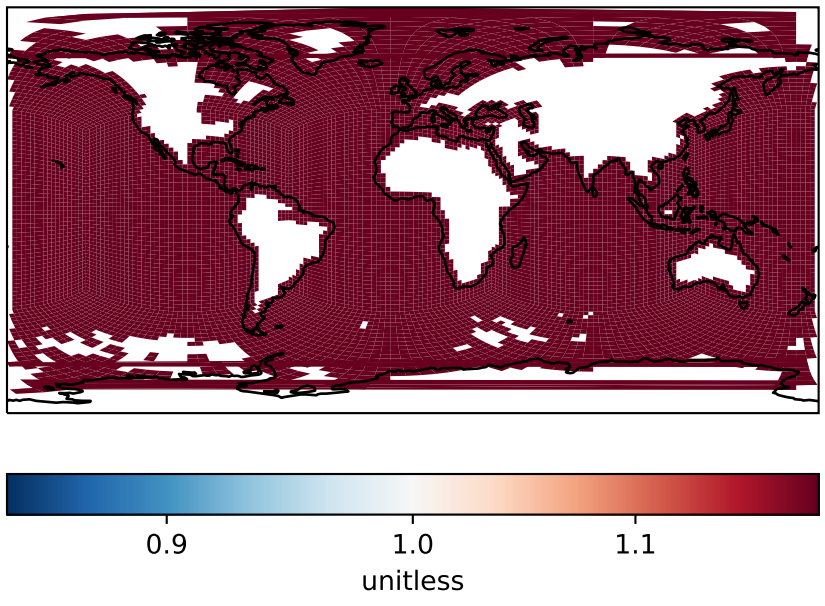
Difference
Dev - Ref, Dynamic Range



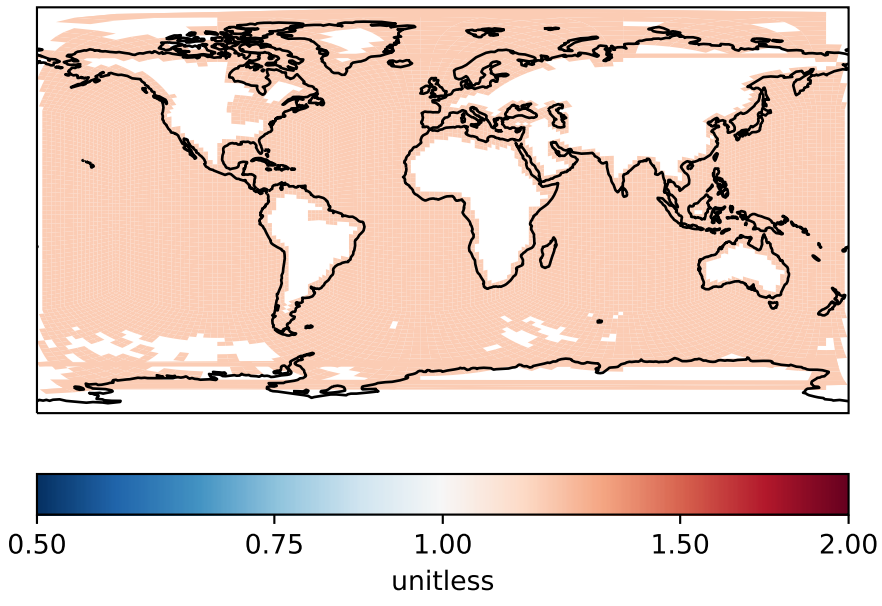
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

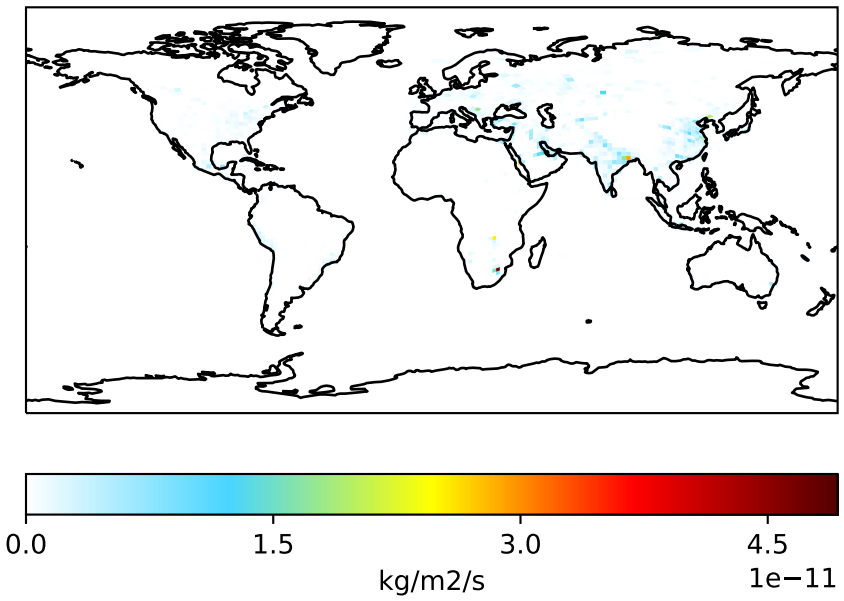


Ratio
Dev/Ref, Fixed Range

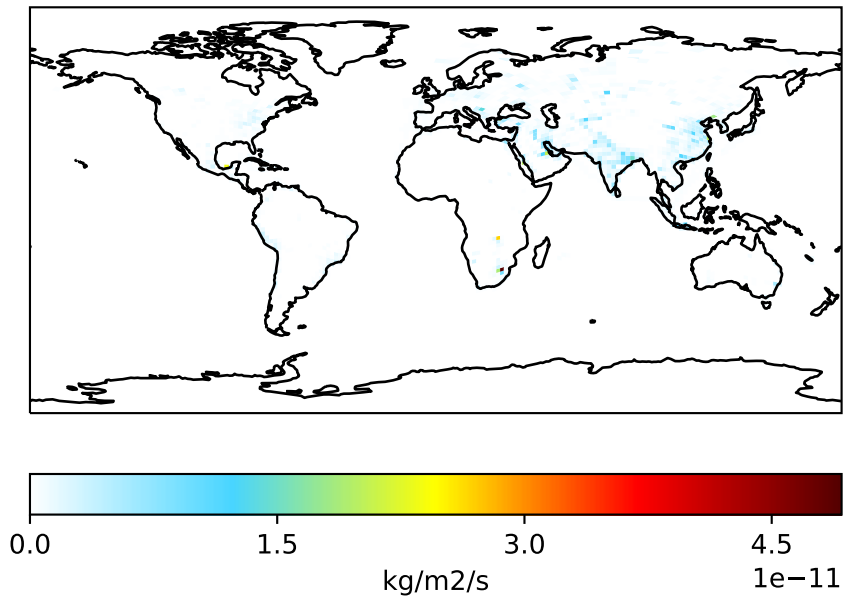


EmisSO4_Total

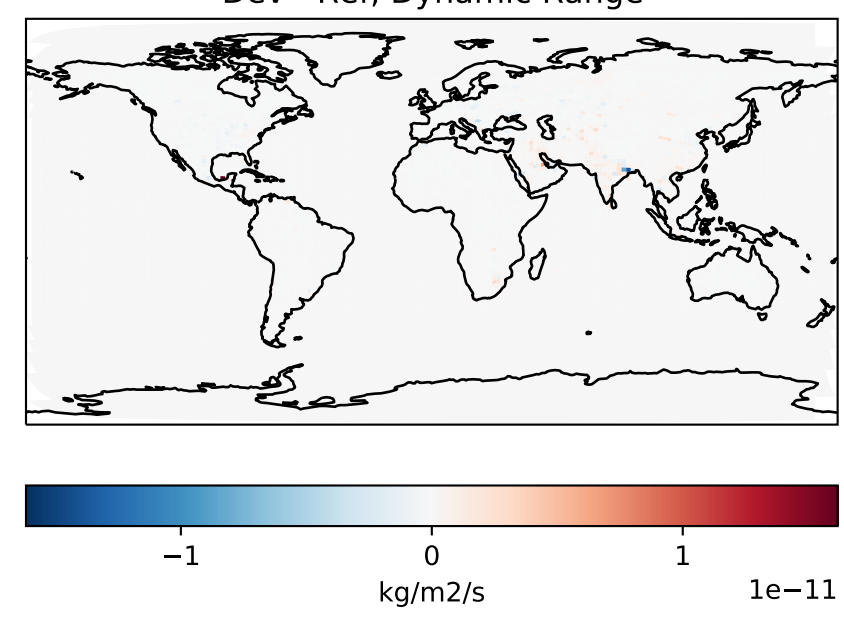
GCHP_13.1.0-beta.1 (Ref)
c48



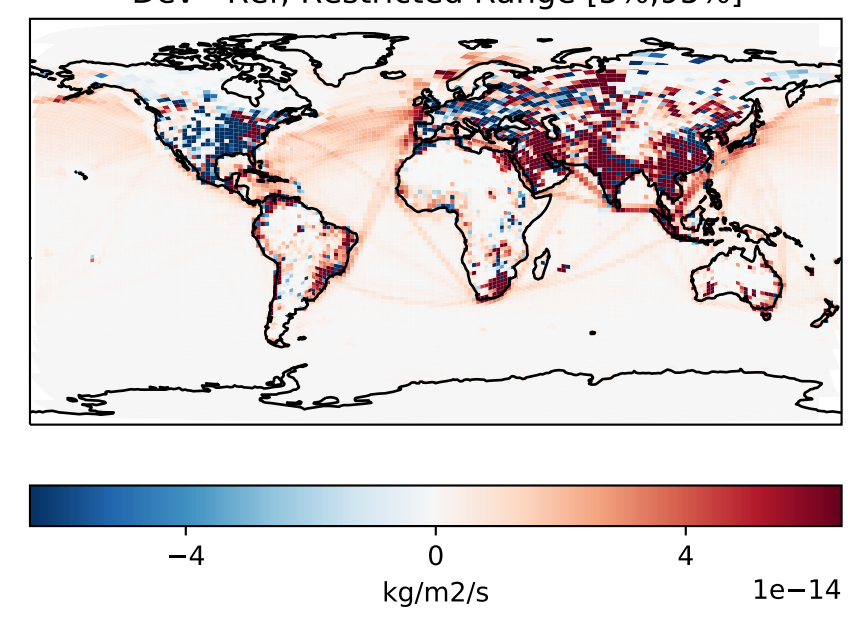
GCHP_13.2.0-beta.0 (Dev)
c48



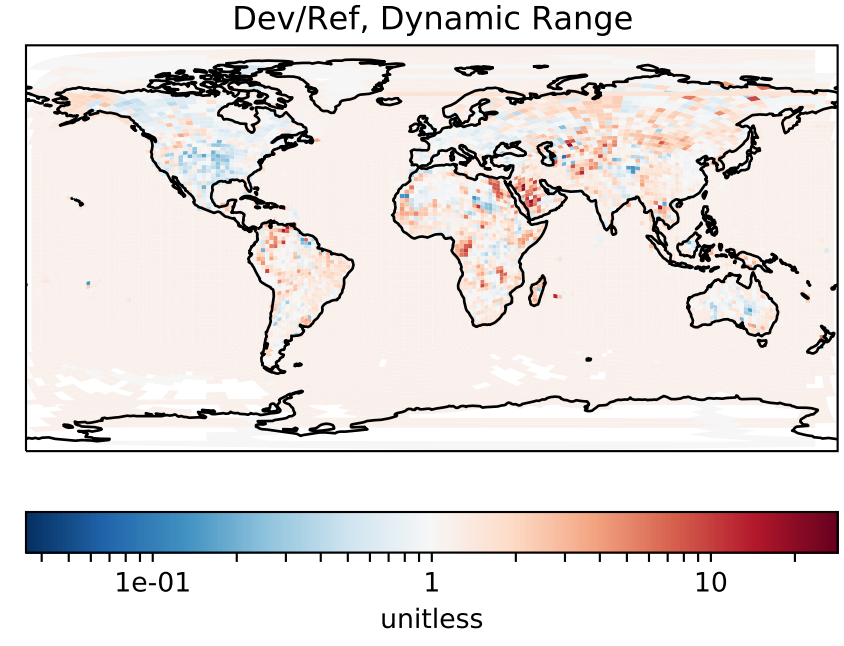
Difference
Dev - Ref, Dynamic Range



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



Ratio
Dev/Ref, Dynamic Range



Ratio
Dev/Ref, Fixed Range

