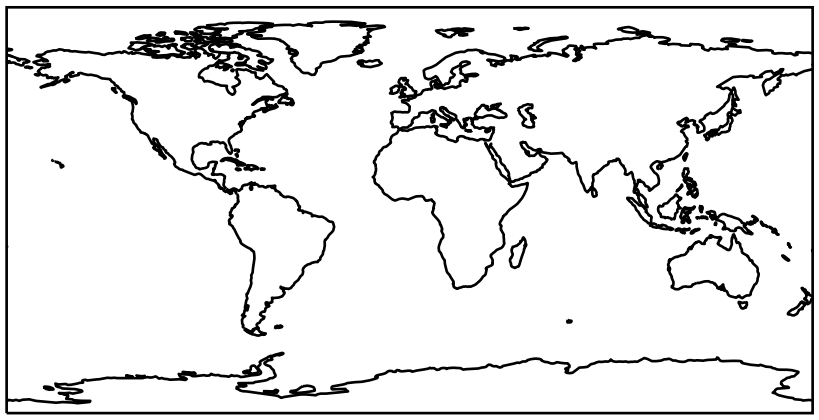
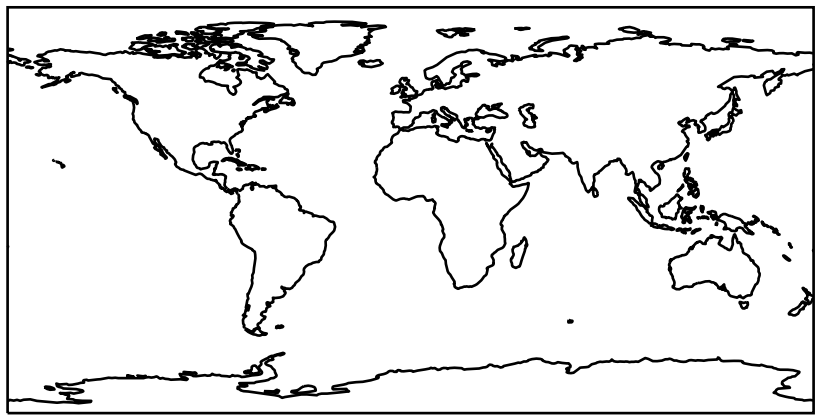
EmisALD2_Ship

GC_12.4.0 (Ref)
4x5



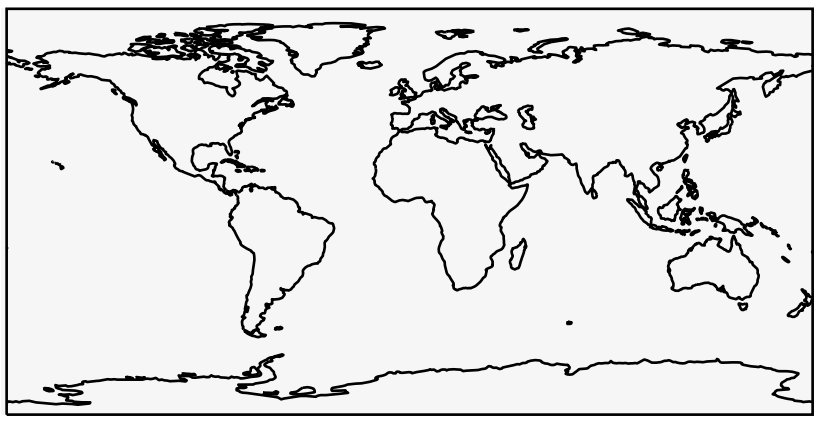
Zero throughout domain
kg/m2/s

GC_12.5.0 (Dev)
4x5



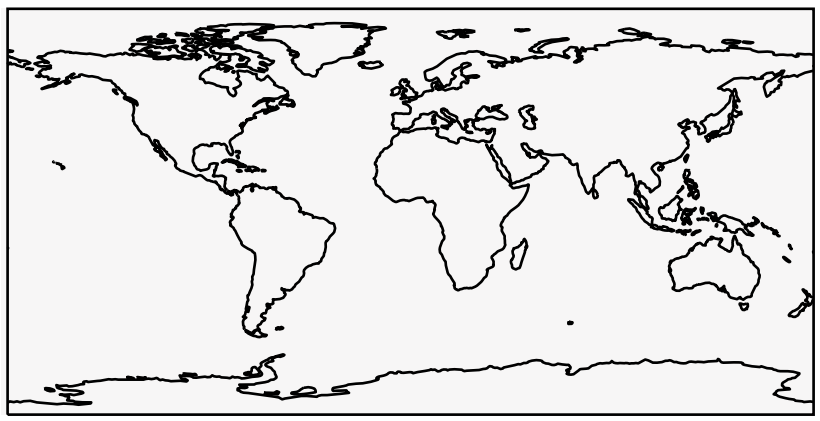
Zero throughout domain
kg/m2/s

Difference
Dev - Ref, Dynamic Range



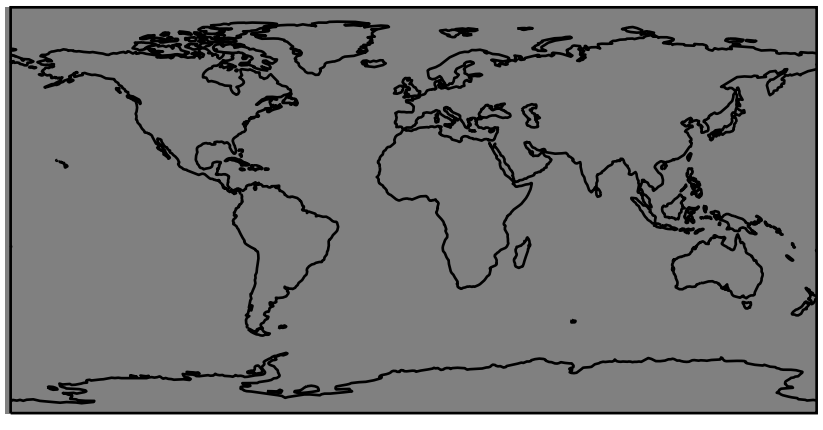
Zero throughout domain
kg/m2/s

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



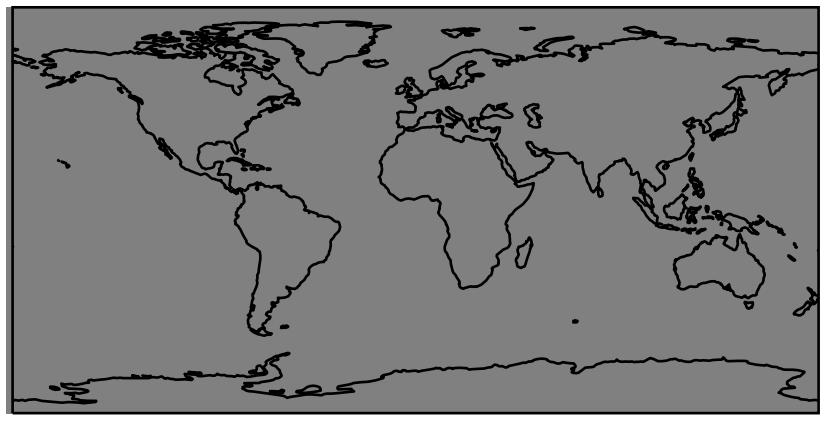
Zero throughout domain
kg/m2/s

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



Undefined throughout domain
unitless

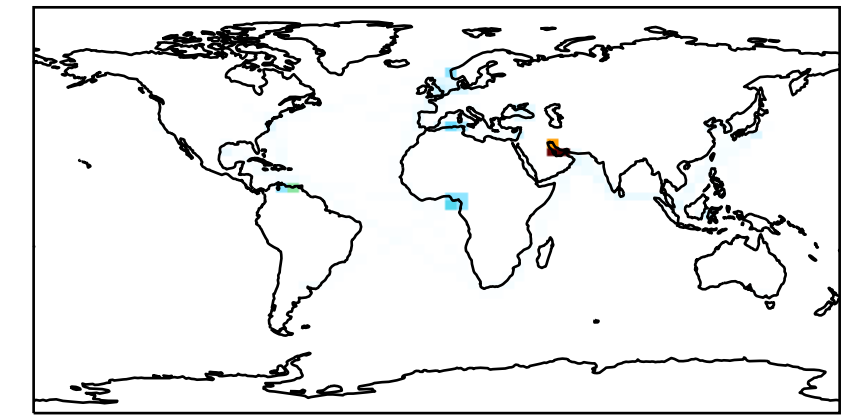
Fractional Difference
(Dev-Ref)/Ref, Fixed Range

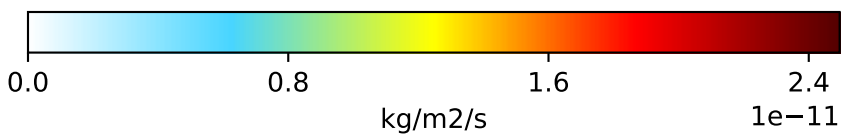


Undefined throughout domain
unitless

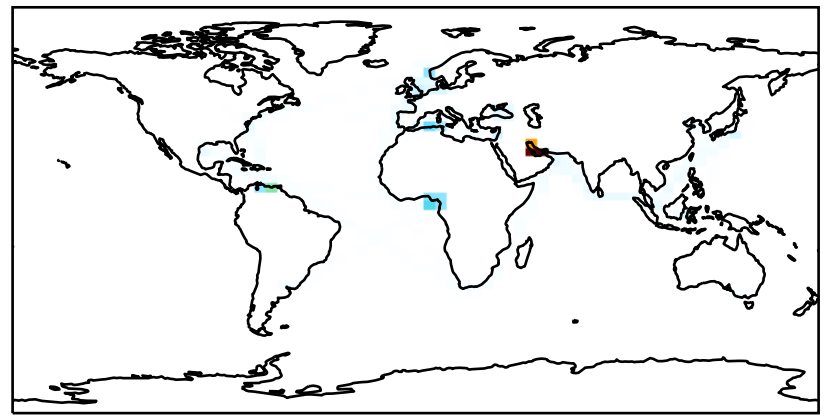
EmisALK4_Ship

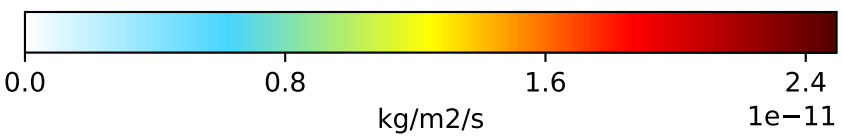
GC_12.4.0 (Ref)
4x5



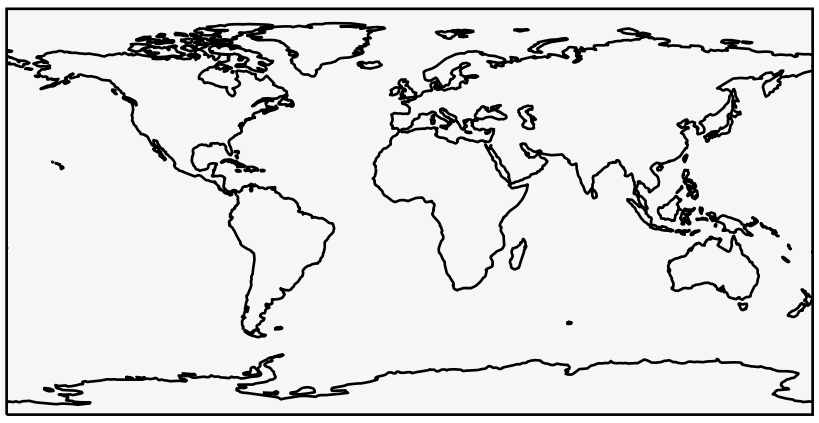


GC_12.5.0 (Dev)
4x5

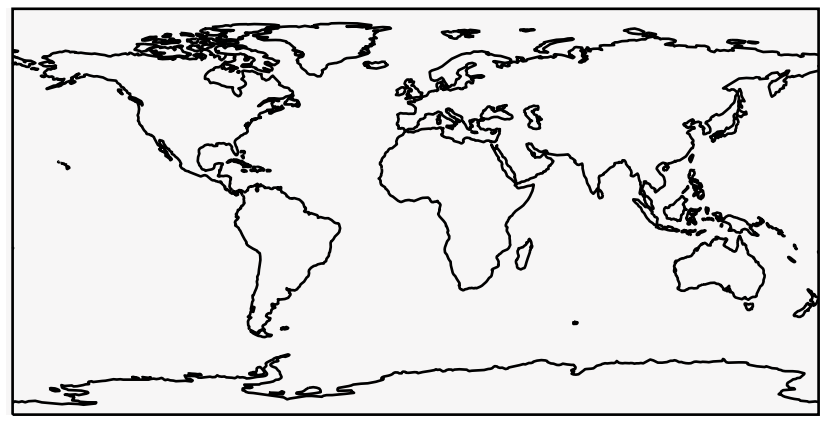




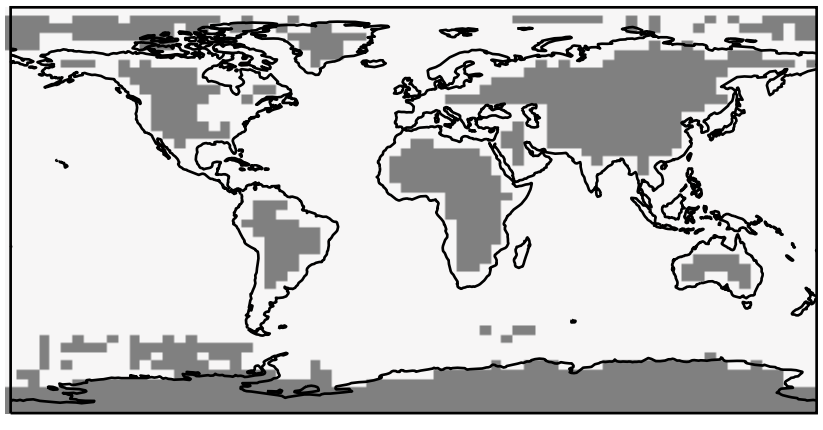
Difference
Dev - Ref, Dynamic Range

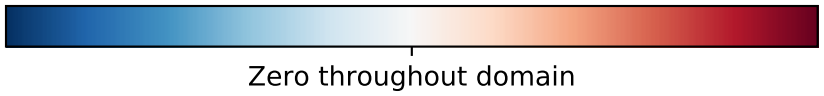


Difference
Dev - Ref, Restricted Range [5%,95%]

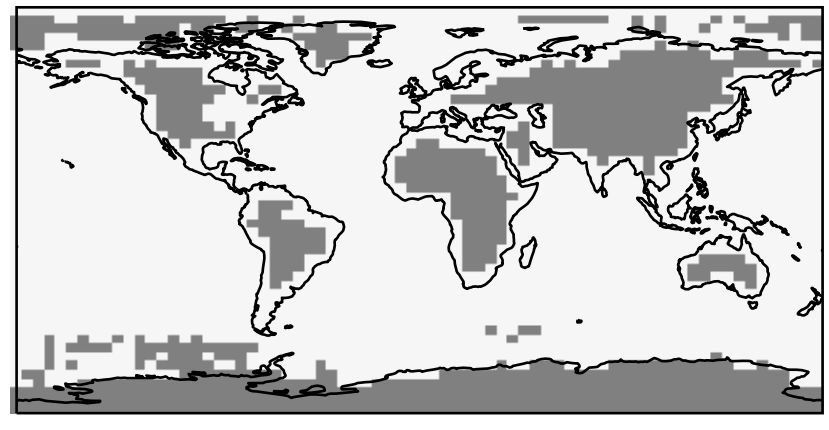


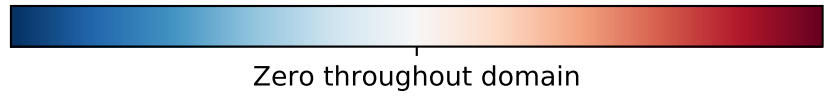
Fractional Difference
(Dev-Ref)/Ref, Dynamic Range





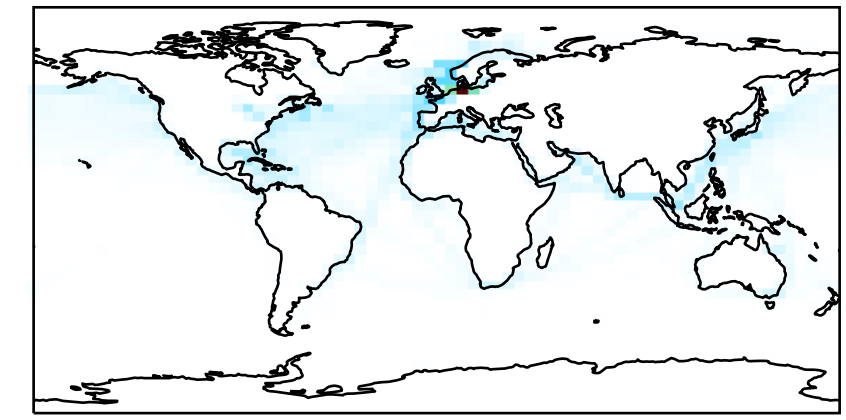
Fractional Difference
(Dev-Ref)/Ref, Fixed Range

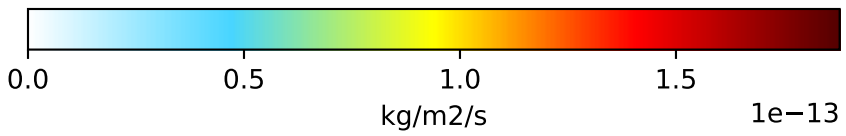




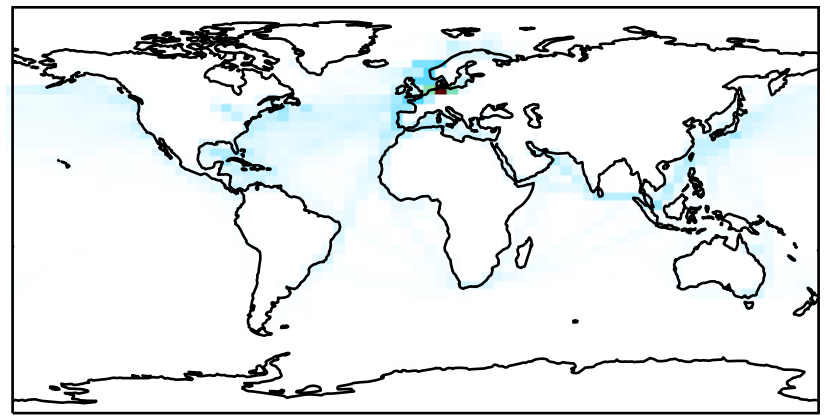
EmisBCPI_Ship

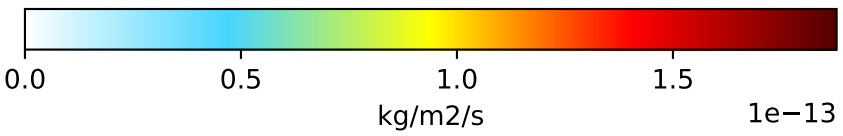
GC_12.4.0 (Ref)
4x5



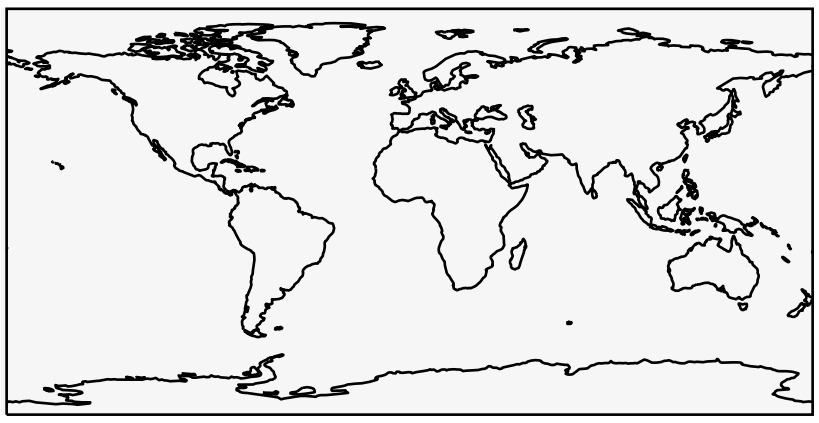


GC_12.5.0 (Dev)
4x5

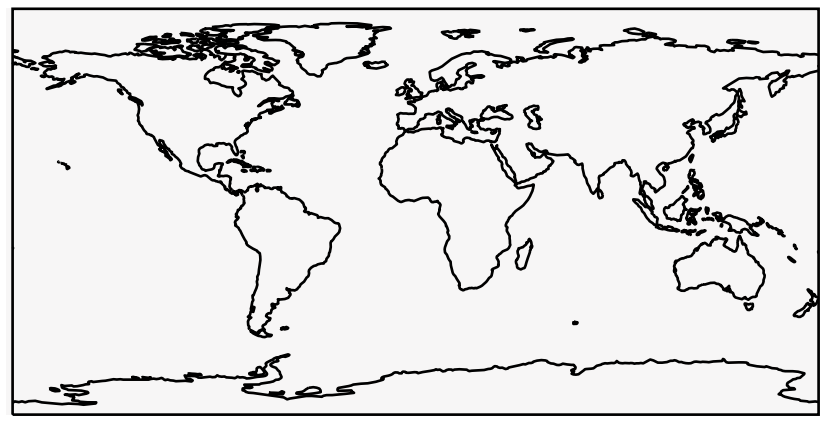




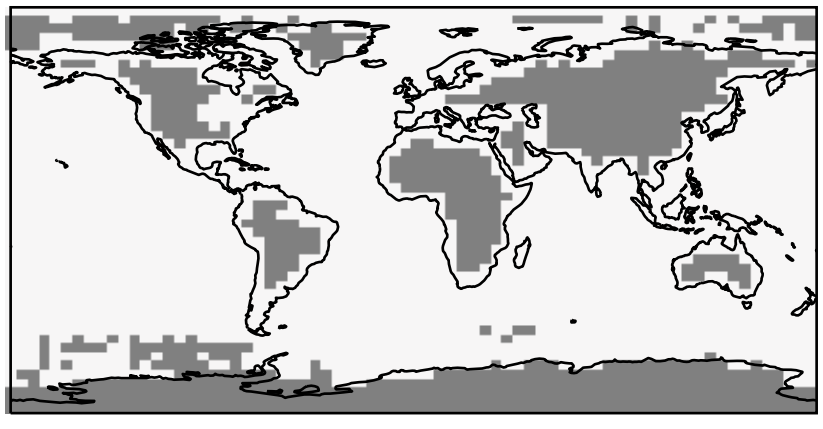
Difference
Dev - Ref, Dynamic Range



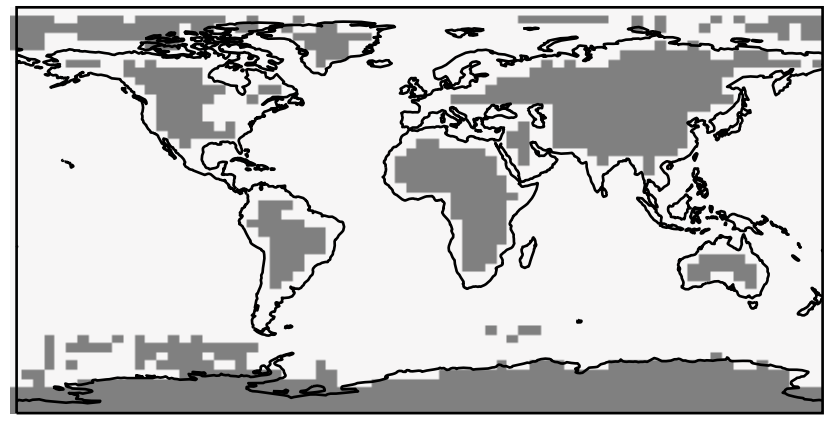
Difference
Dev - Ref, Restricted Range [5%,95%]



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

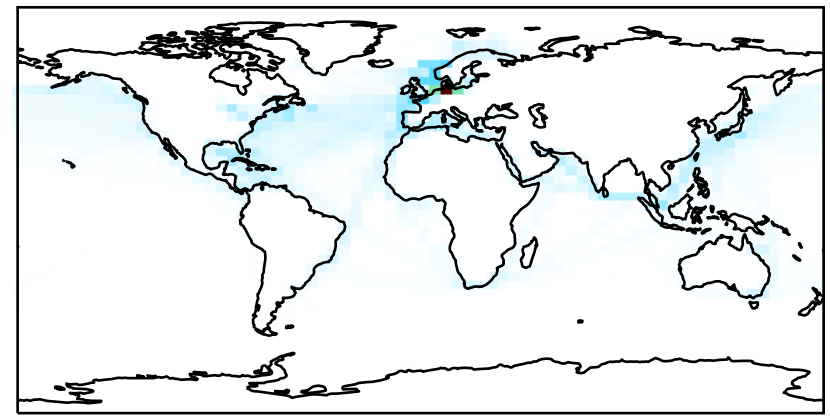


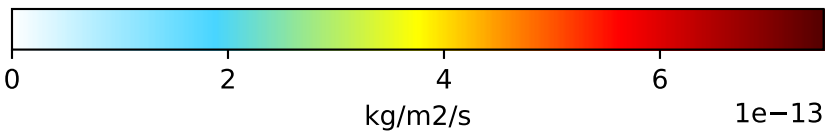
Fractional Difference
(Dev-Ref)/Ref, Fixed Range



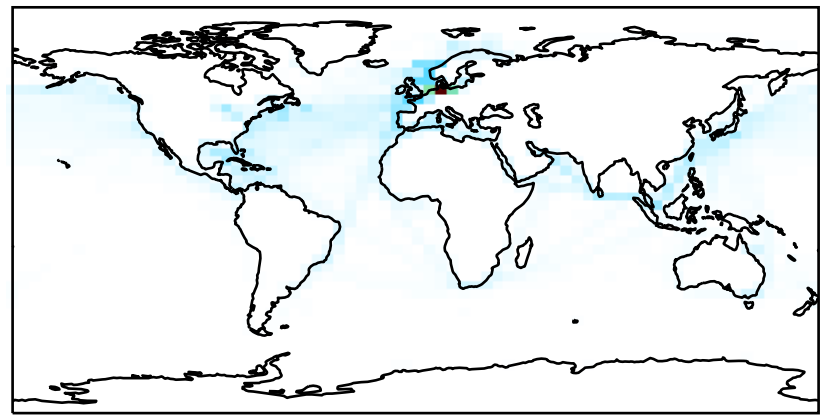
EmisBCPO_Ship

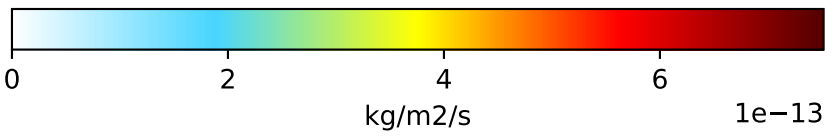
GC_12.4.0 (Ref)
4x5



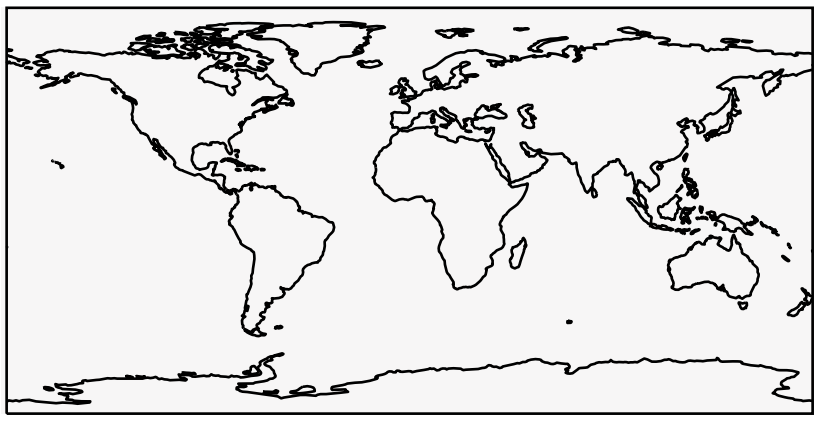


GC_12.5.0 (Dev)
4x5

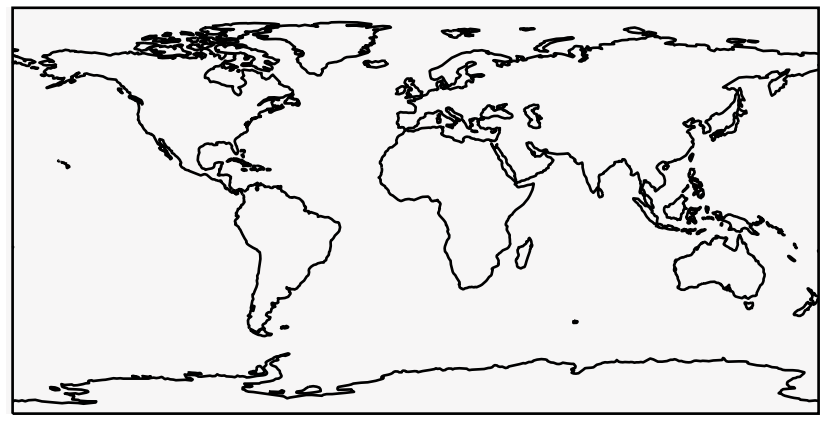




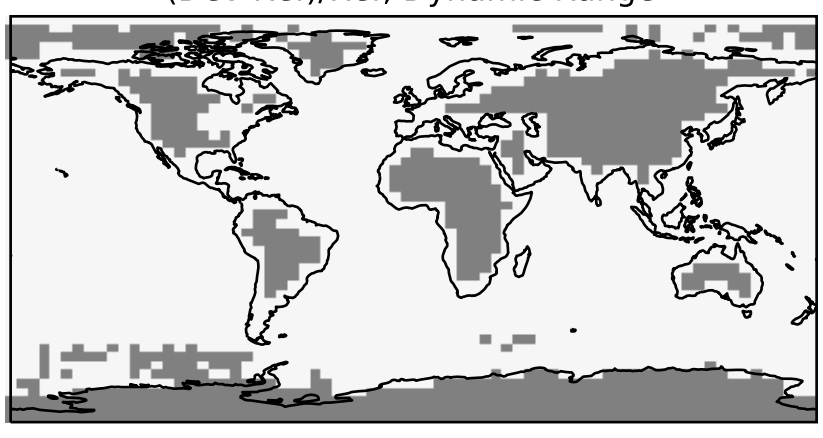
Difference
Dev - Ref, Dynamic Range



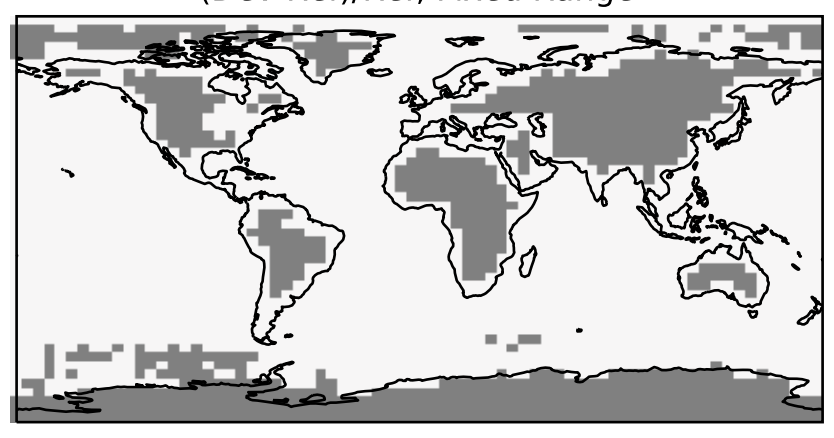
Difference
Dev - Ref, Restricted Range [5%,95%]



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

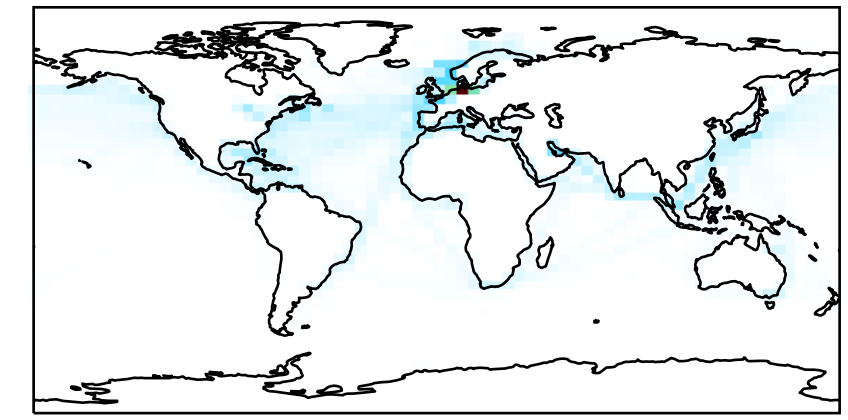


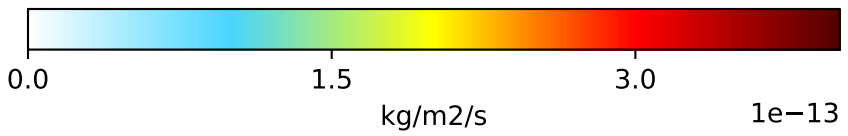
Fractional Difference
(Dev-Ref)/Ref, Fixed Range



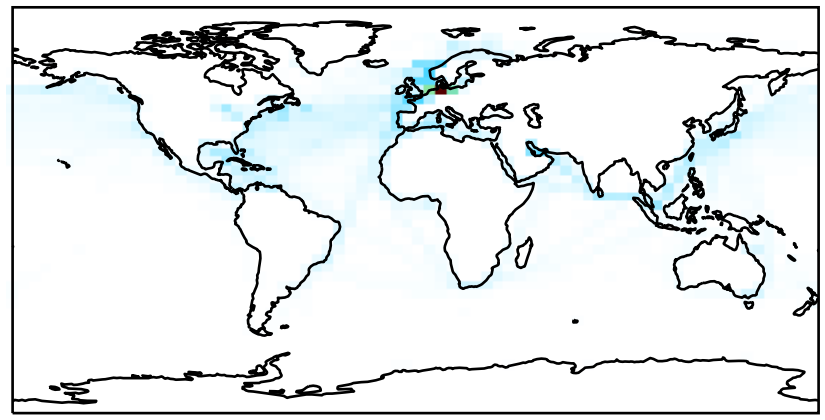
EmisBENZ_Ship

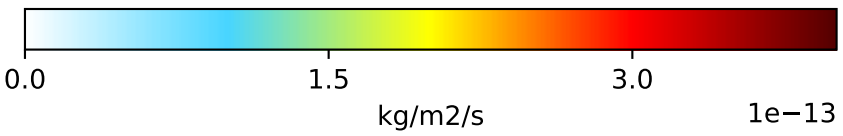
GC_12.4.0 (Ref)
4x5



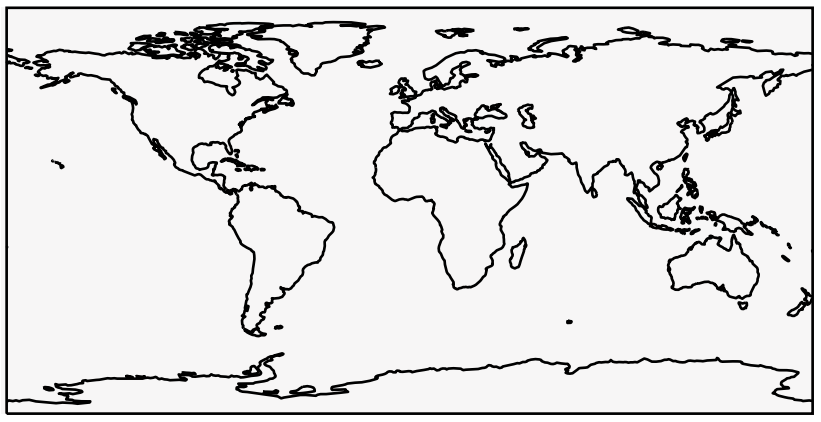


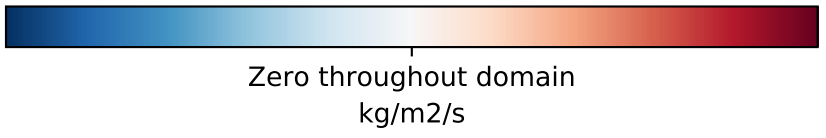
GC_12.5.0 (Dev)
4x5



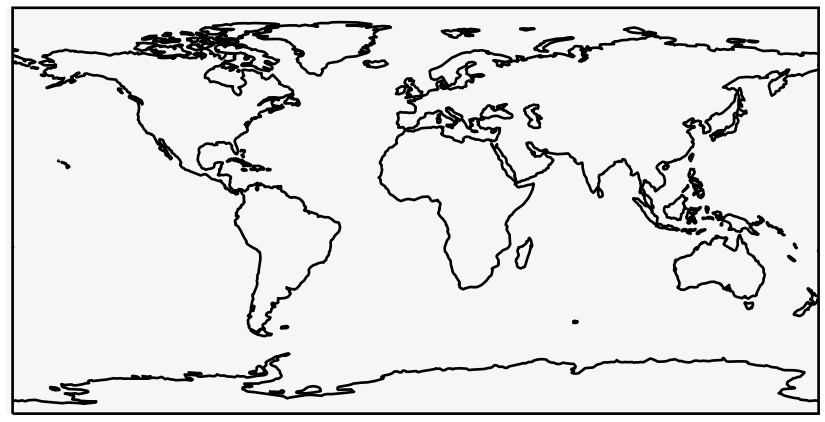


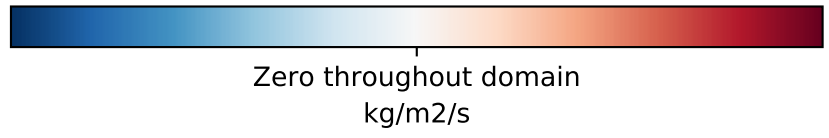
Difference
Dev - Ref, Dynamic Range



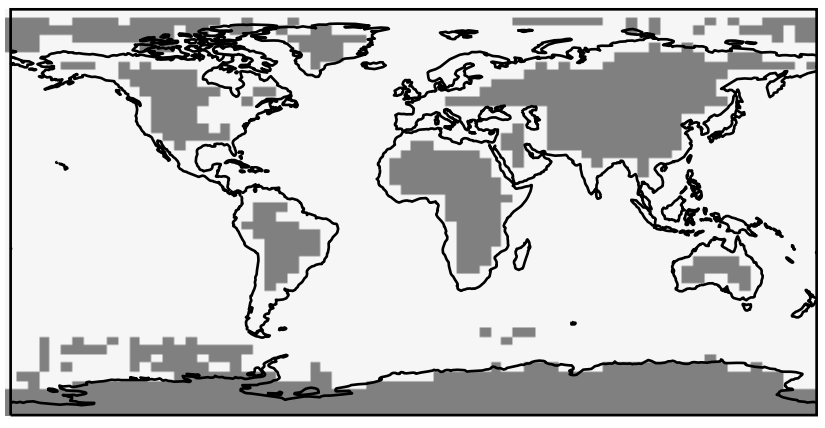


Difference
Dev - Ref, Restricted Range [5%,95%]

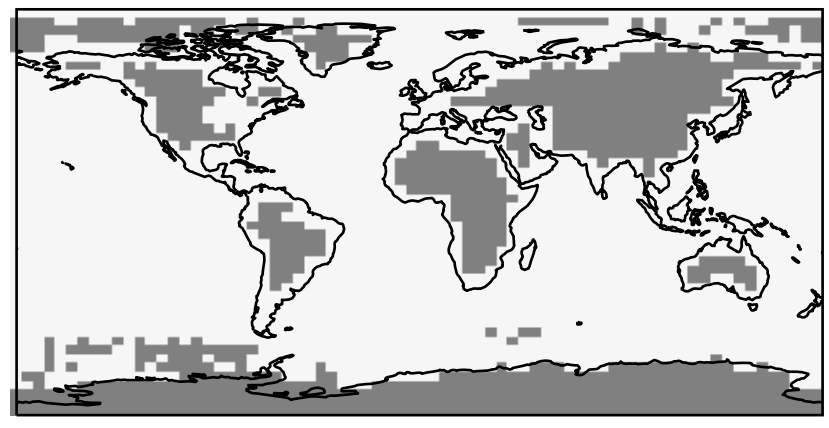




Fractional Difference
(Dev-Ref)/Ref, Dynamic Range

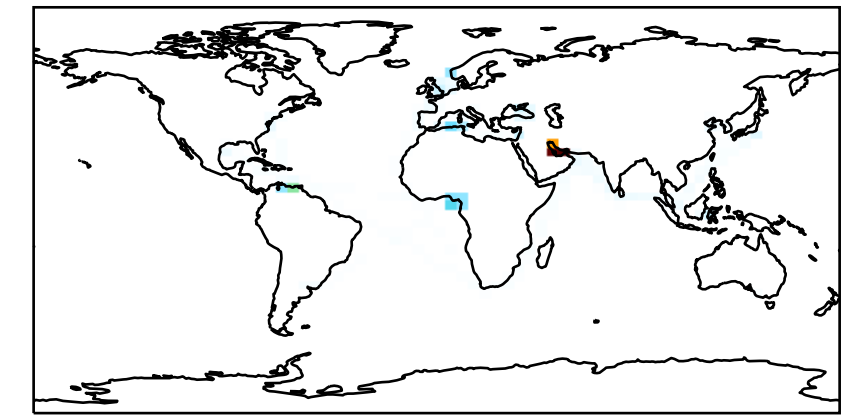


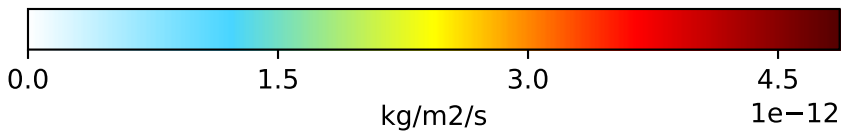
Fractional Difference
(Dev-Ref)/Ref, Fixed Range



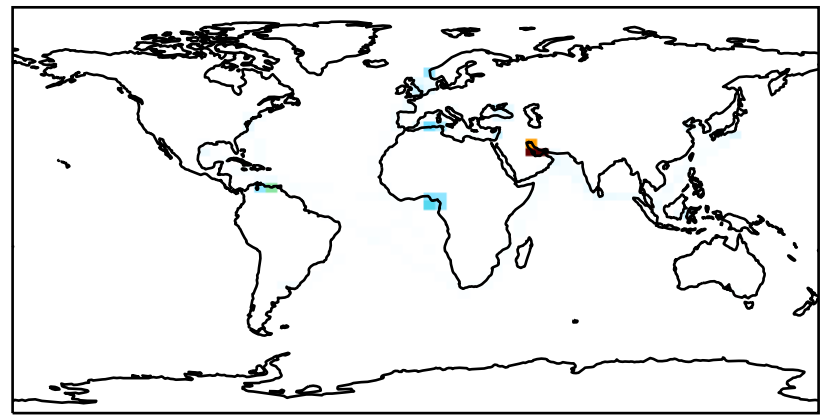
EmisC2H6_Ship

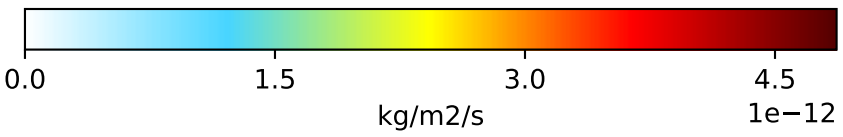
GC_12.4.0 (Ref)
4x5



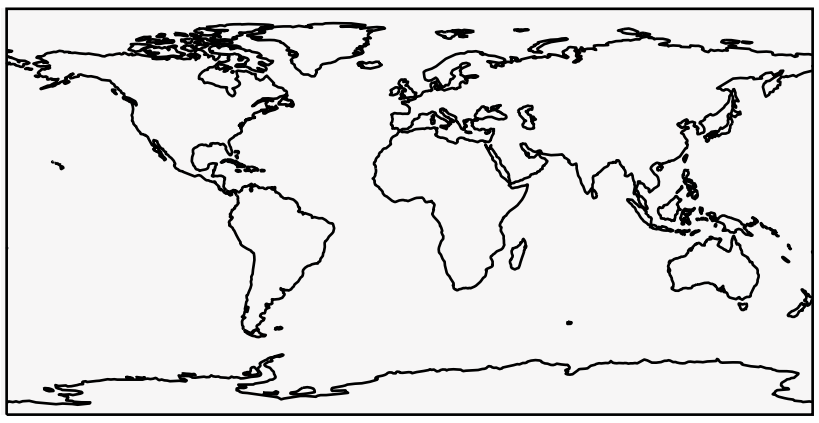


GC_12.5.0 (Dev)
4x5

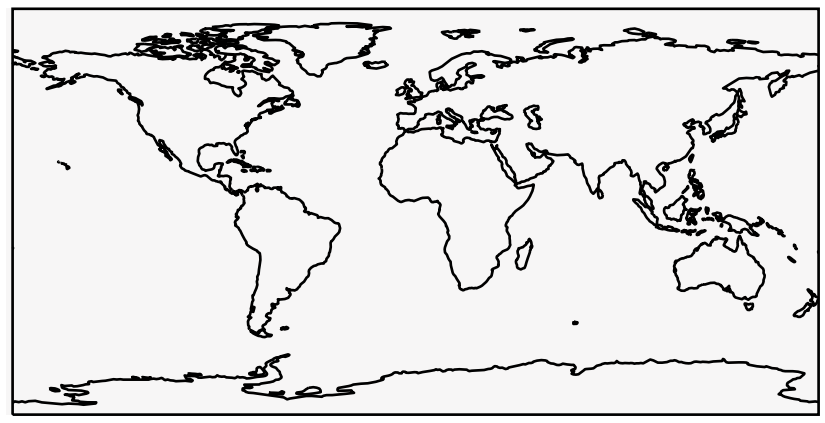




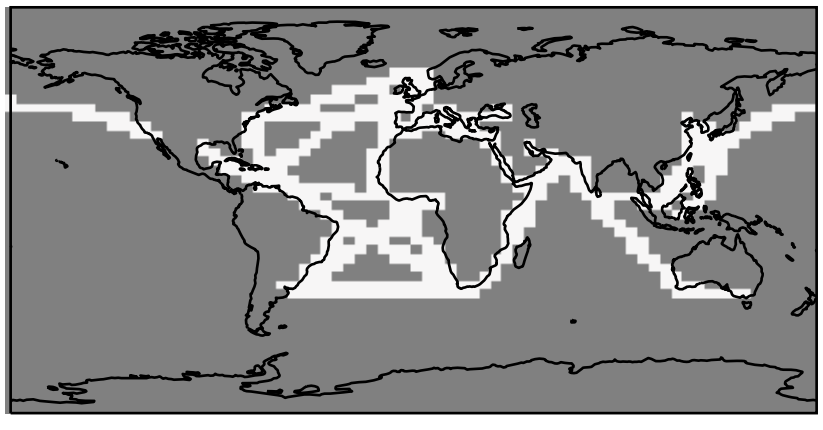
Difference
Dev - Ref, Dynamic Range



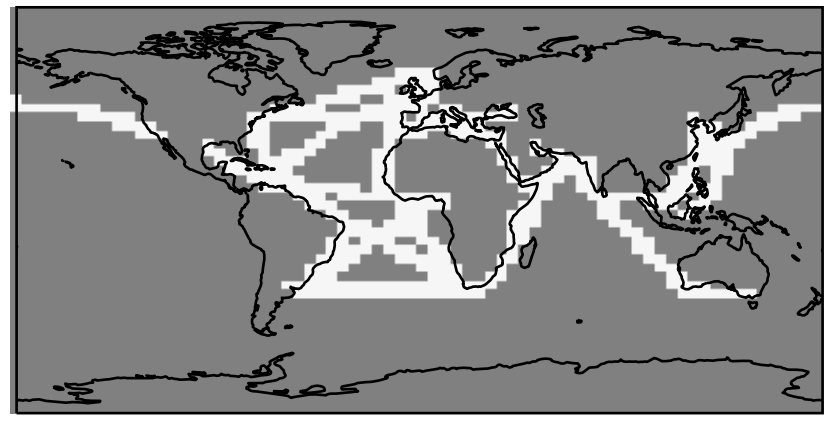
Difference
Dev - Ref, Restricted Range [5%,95%]



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

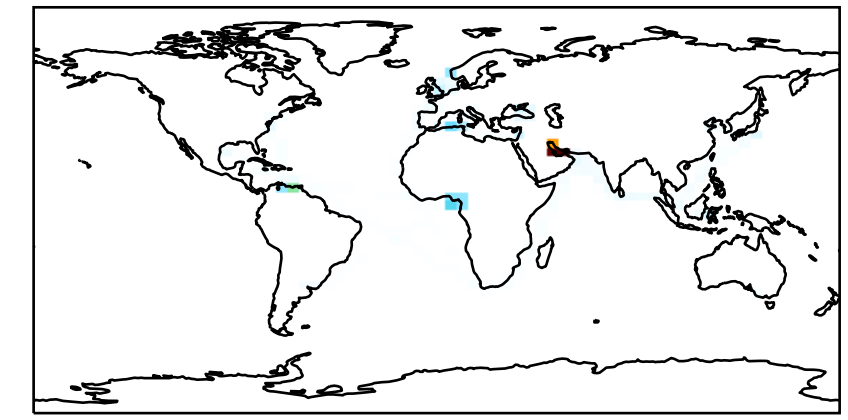


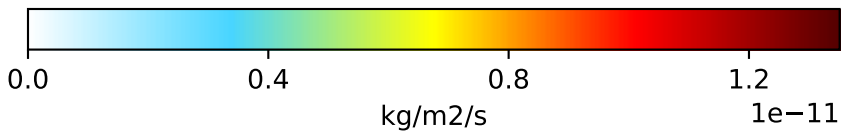
Fractional Difference
(Dev-Ref)/Ref, Fixed Range



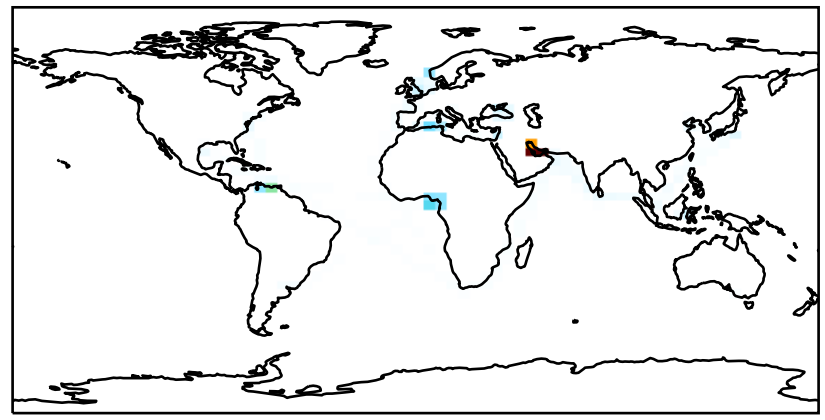
EmisC3H8_Ship

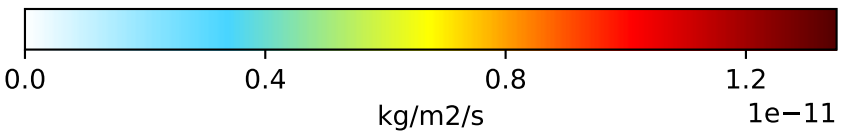
GC_12.4.0 (Ref)
4x5



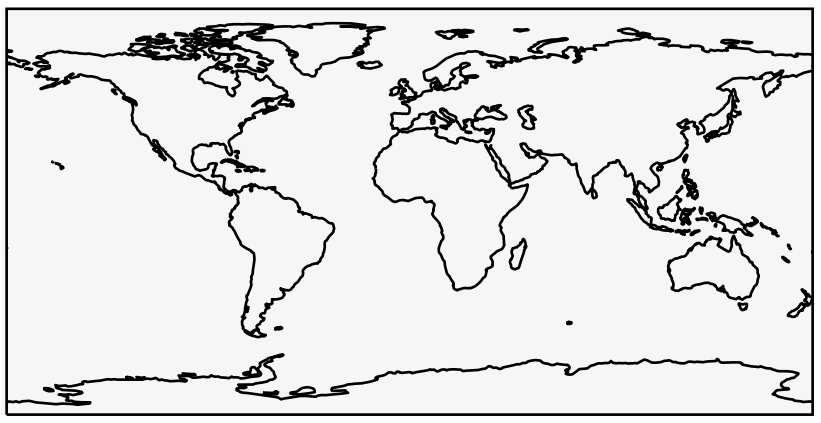


GC_12.5.0 (Dev)
4x5

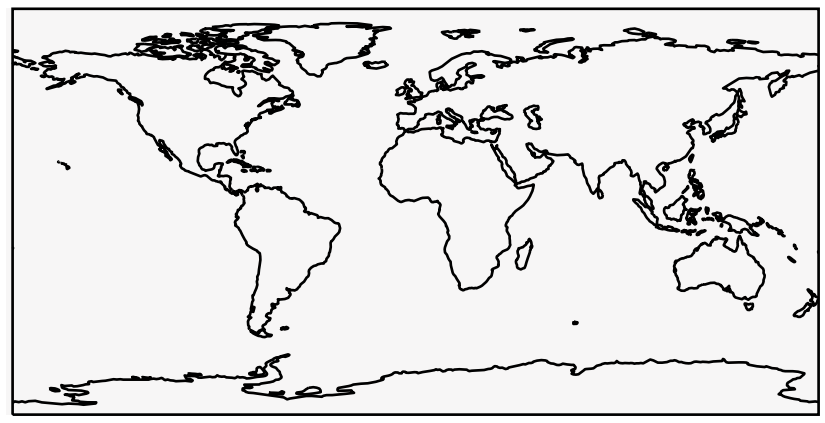




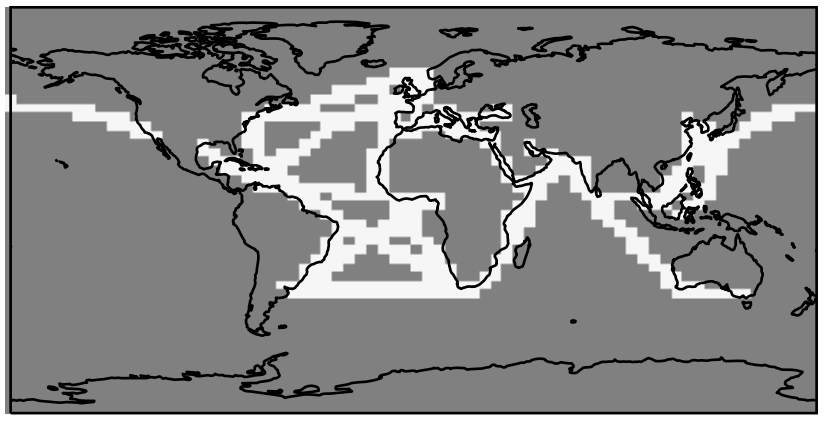
Difference
Dev - Ref, Dynamic Range



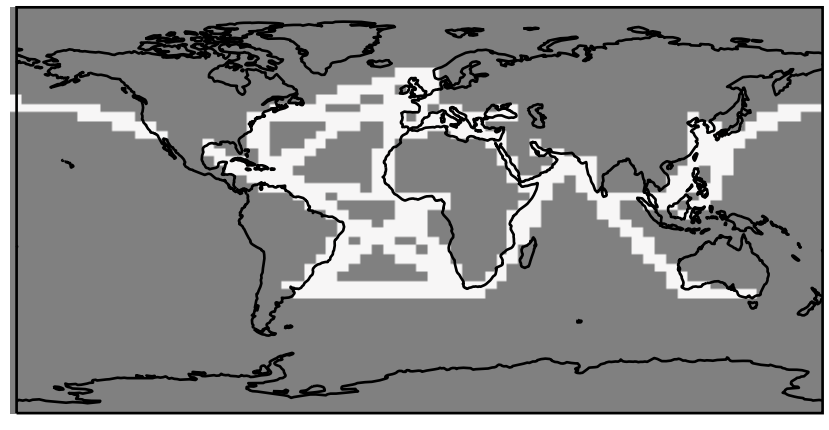
Difference
Dev - Ref, Restricted Range [5%,95%]



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

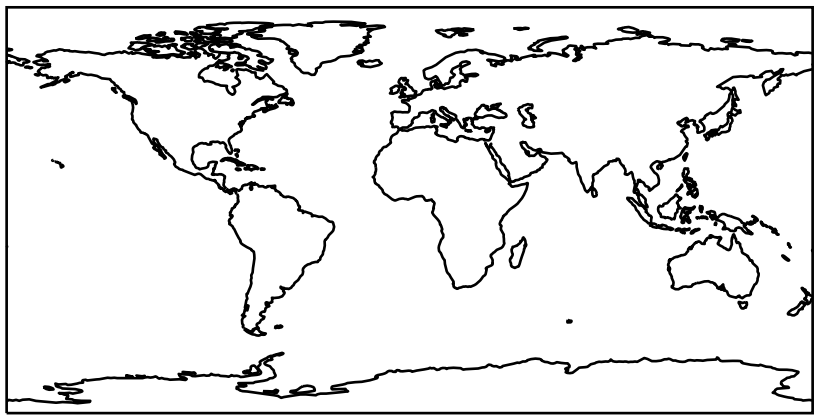


Fractional Difference
(Dev-Ref)/Ref, Fixed Range



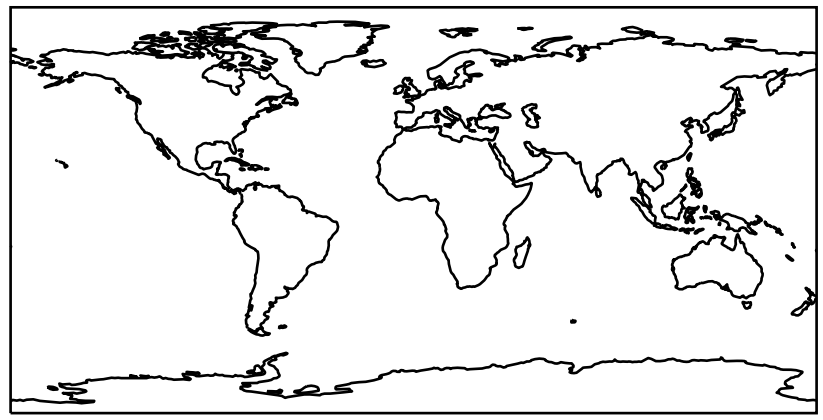
EmisCH2O_Ship

GC_12.4.0 (Ref)
4x5



Zero throughout domain
kg/m2/s

GC_12.5.0 (Dev)
4x5



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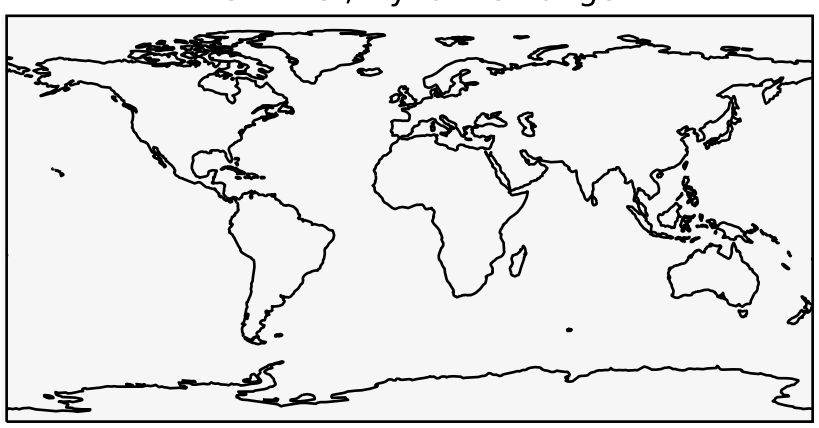
kg/m2/s

Difference
Dev - Ref, Dynamic Range



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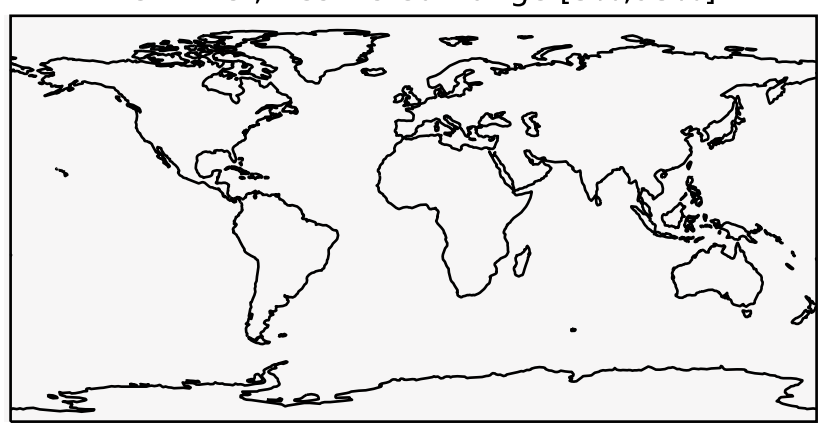
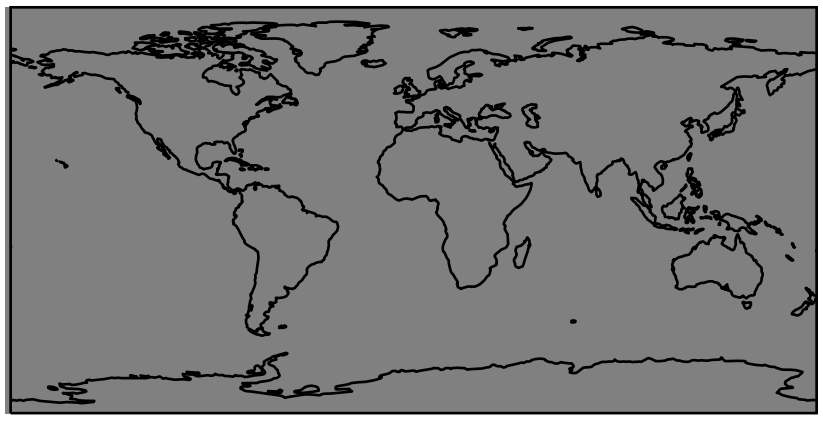
kg/m2/s

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



Zero throughout domain
kg/m2/s

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



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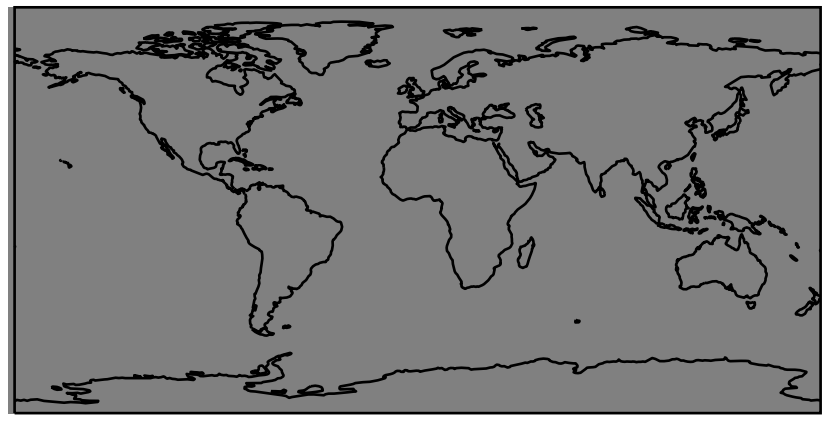
Fractional Difference
(Dev-Ref)/Ref, Fixed Range



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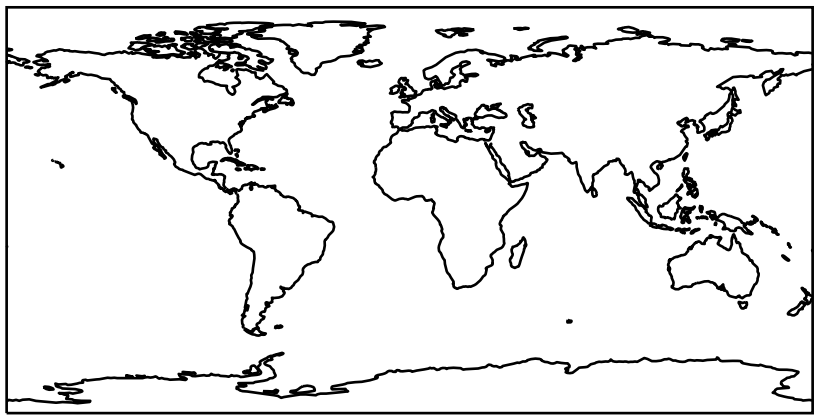
EmisCH4_Ship

GC_12.4.0 (Ref)
4x5



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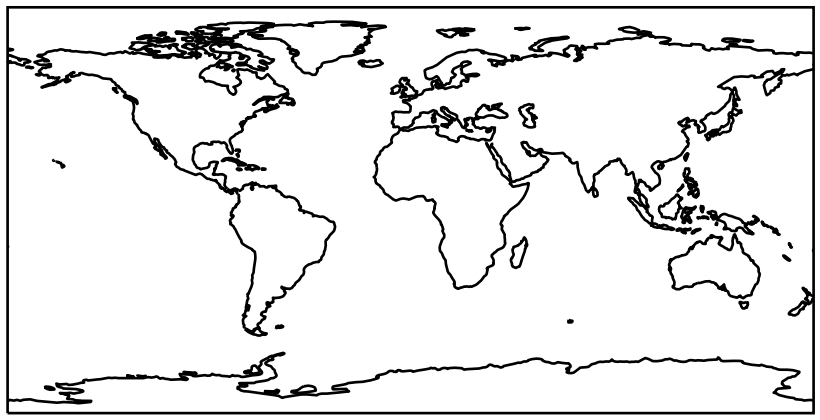
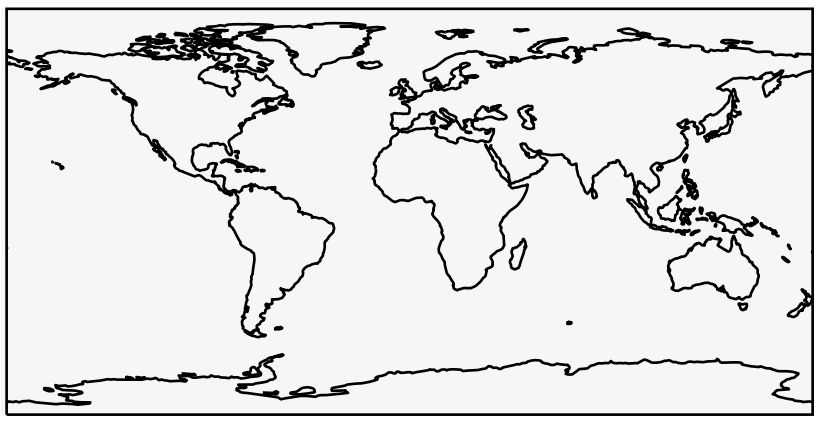
kg/m2/s

GC_12.5.0 (Dev)
4x5



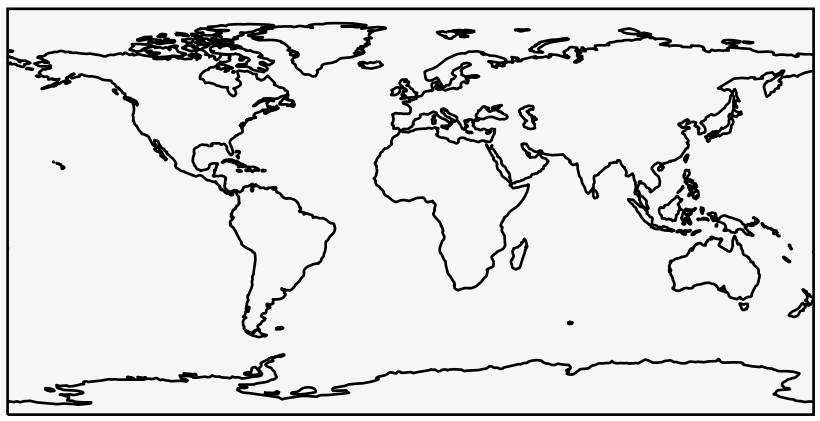
Zero throughout domain
kg/m2/s

Difference
Dev - Ref, Dynamic Range



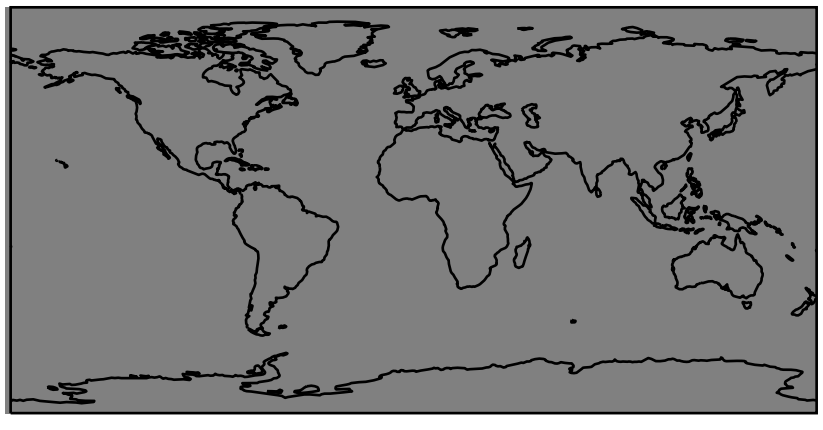
Zero throughout domain
kg/m2/s

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



Zero throughout domain
kg/m2/s

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



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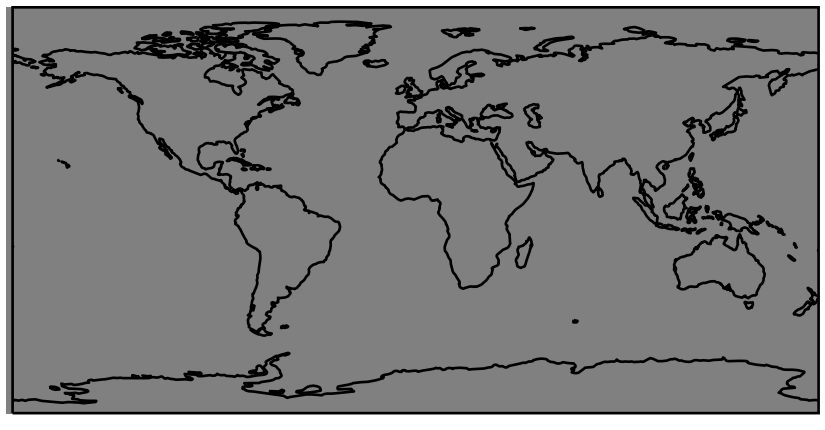
Fractional Difference
(Dev-Ref)/Ref, Fixed Range



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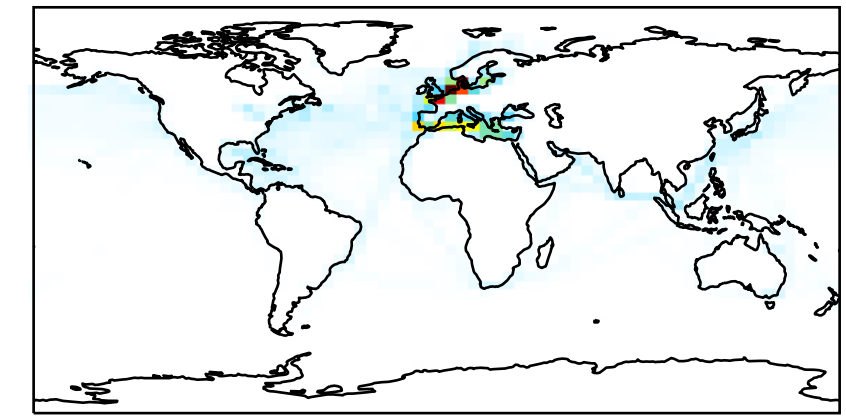
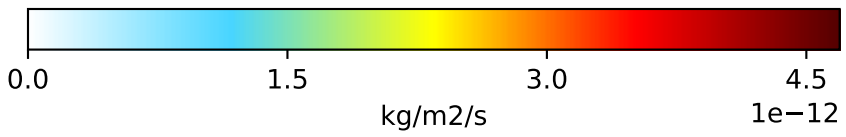
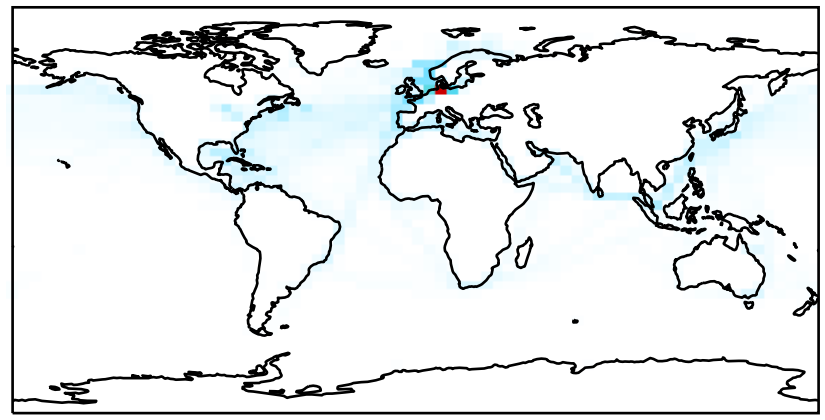
EmisCO_Ship

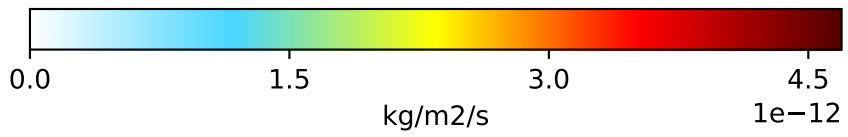
GC_12.4.0 (Ref)
4x5



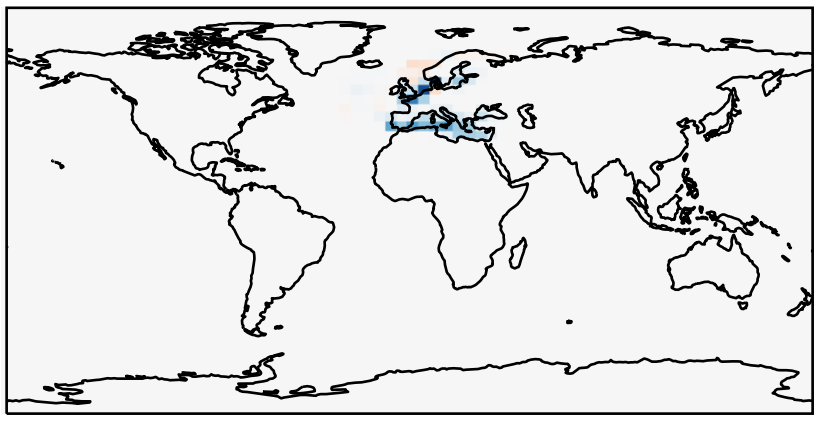


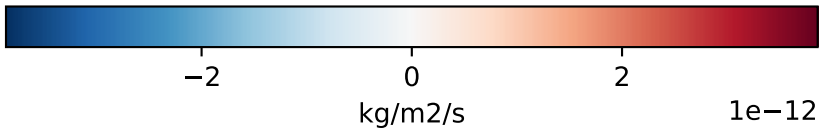
GC_12.5.0 (Dev)
4x5



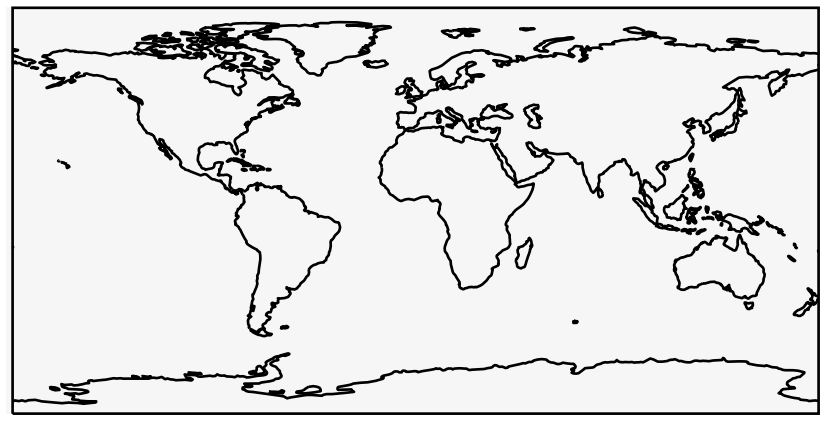


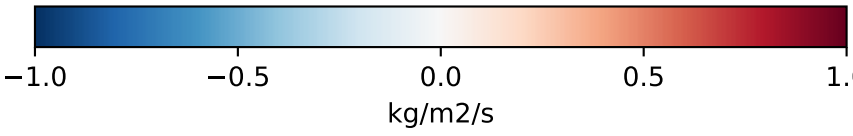
Difference
Dev - Ref, Dynamic Range



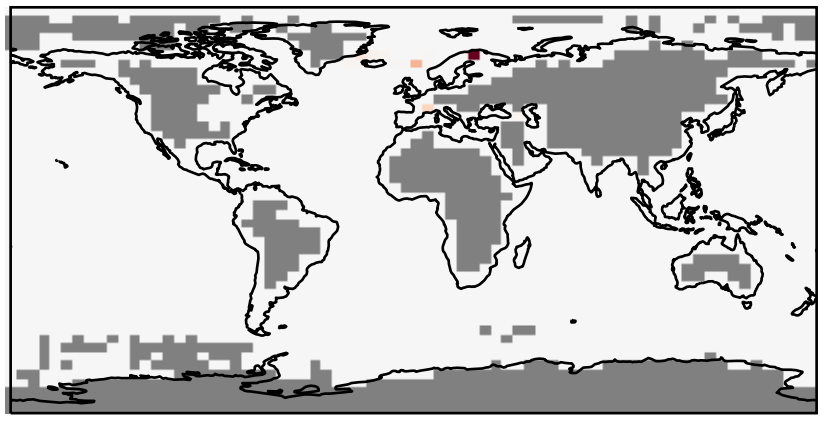


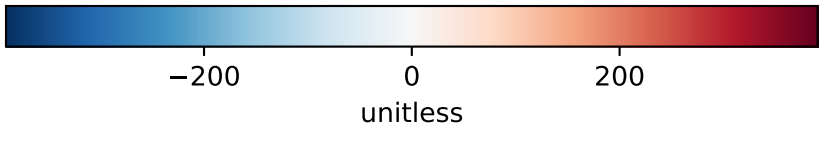
Difference
Dev - Ref, Restricted Range [5%,95%]



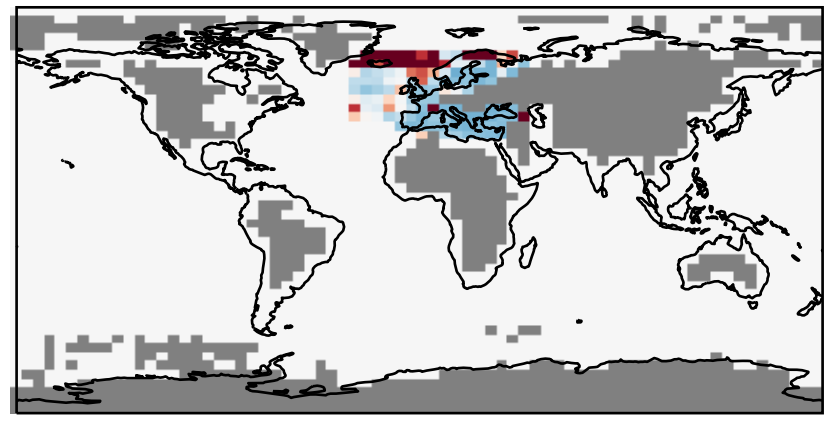


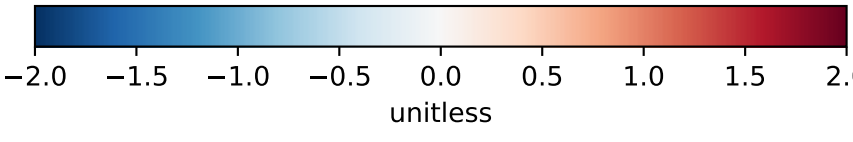
Fractional Difference
(Dev-Ref)/Ref, Dynamic Range





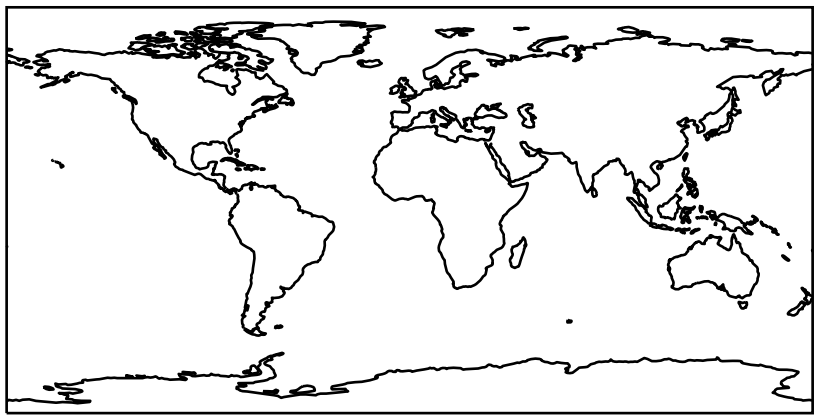
Fractional Difference
(Dev-Ref)/Ref, Fixed Range





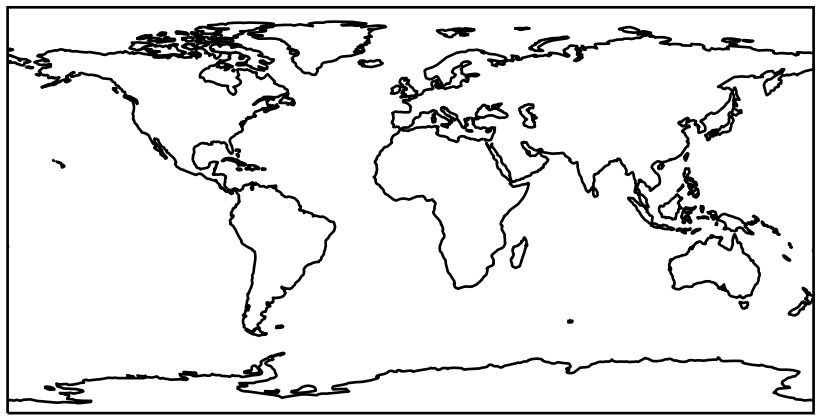
EmisEOH_Ship

GC_12.4.0 (Ref)
4x5



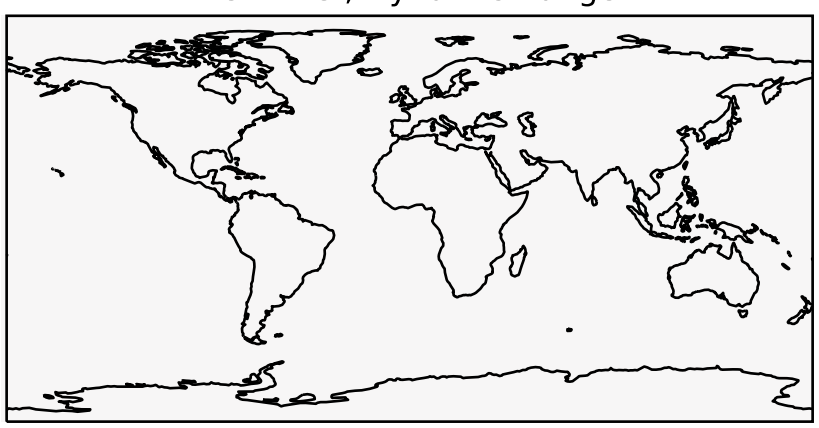
Zero throughout domain
kg/m2/s

GC_12.5.0 (Dev)
4x5



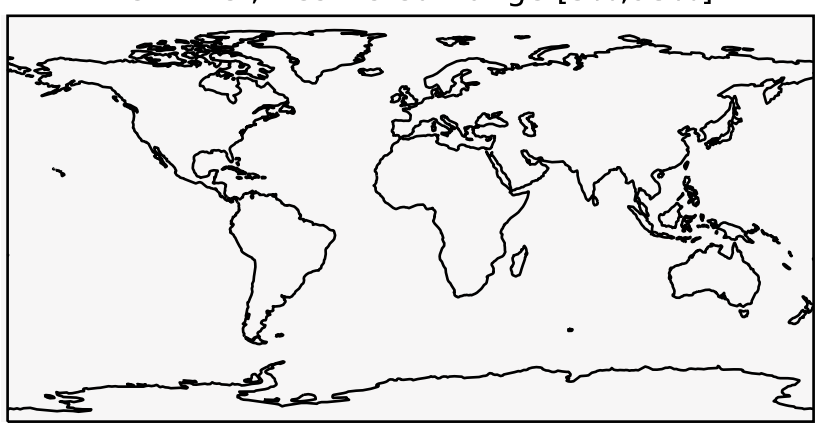
Zero throughout domain
kg/m2/s

Difference
Dev - Ref, Dynamic Range



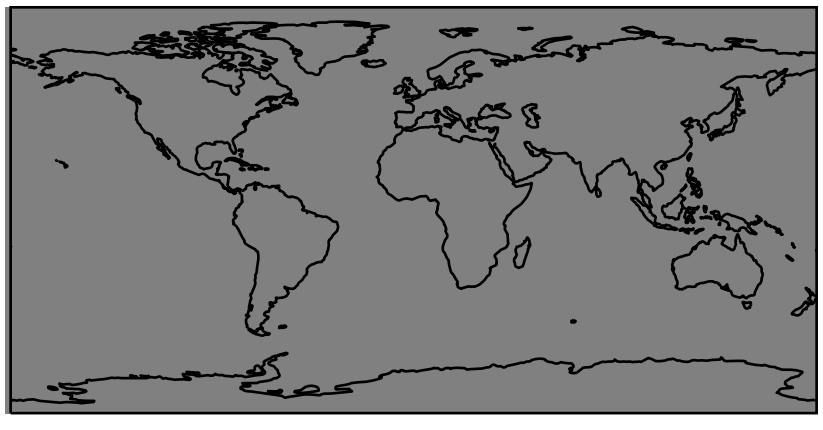
Zero throughout domain
kg/m2/s

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



Zero throughout domain
kg/m2/s

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



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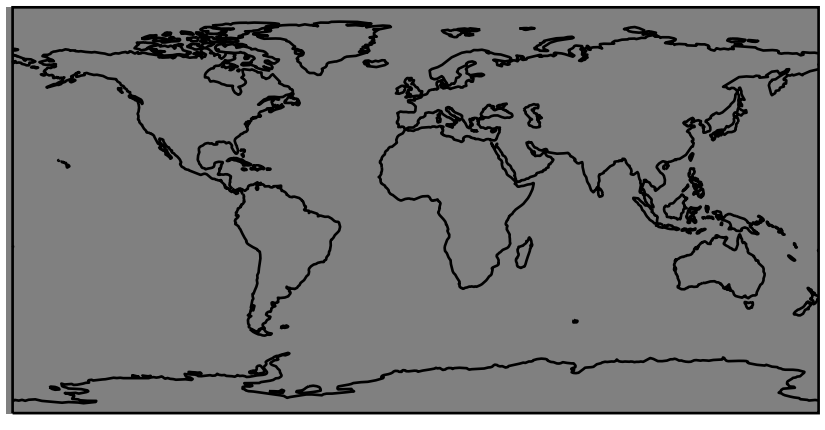
Fractional Difference
(Dev-Ref)/Ref, Fixed Range



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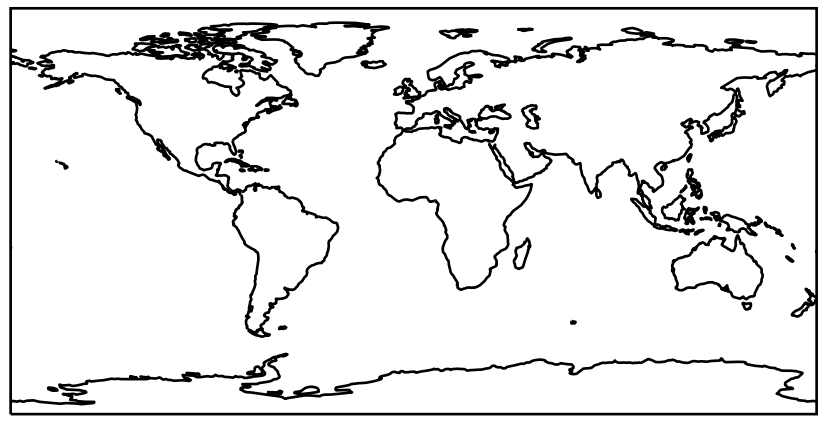
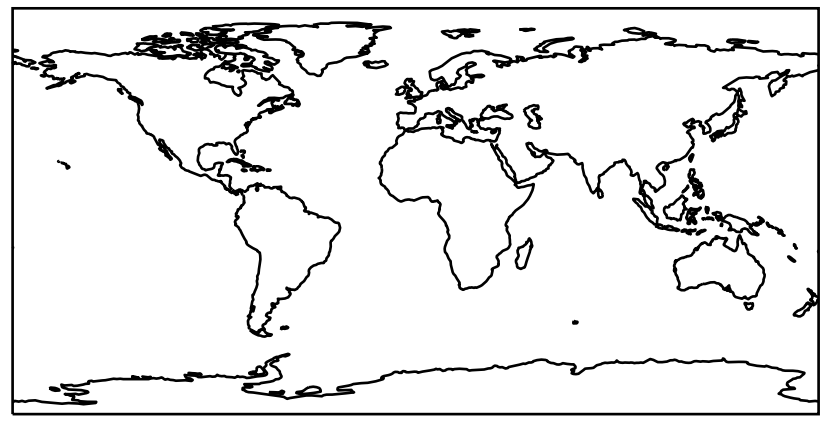
EmisHCOOH_Ship

GC_12.4.0 (Ref)
4x5



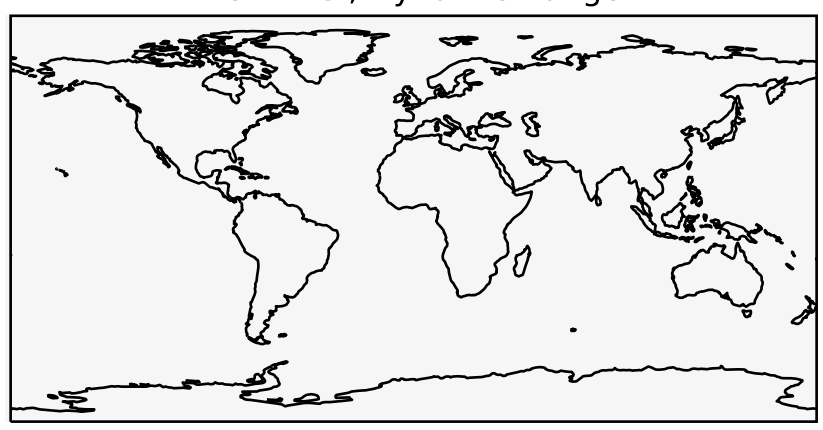
Zero throughout domain
kg/m2/s

GC_12.5.0 (Dev)
4x5



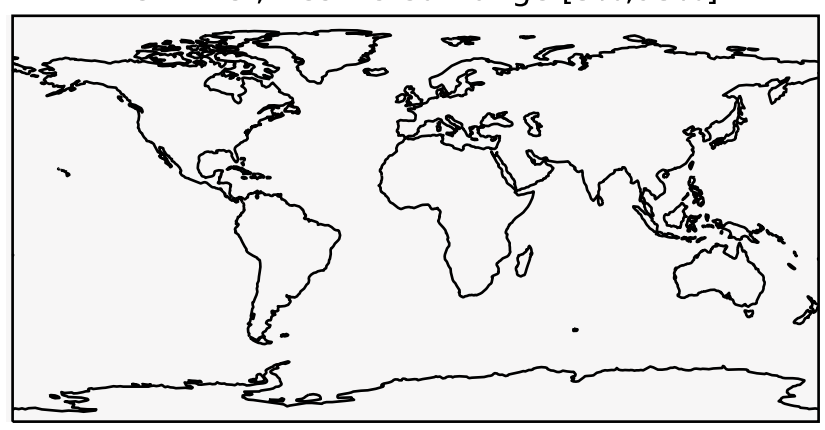
Zero throughout domain
kg/m2/s

Difference
Dev - Ref, Dynamic Range



Zero throughout domain
kg/m2/s

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



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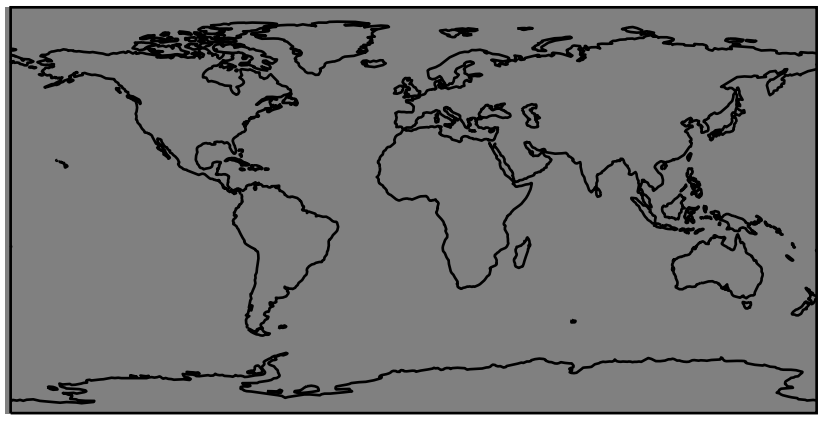
kg/m2/s

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



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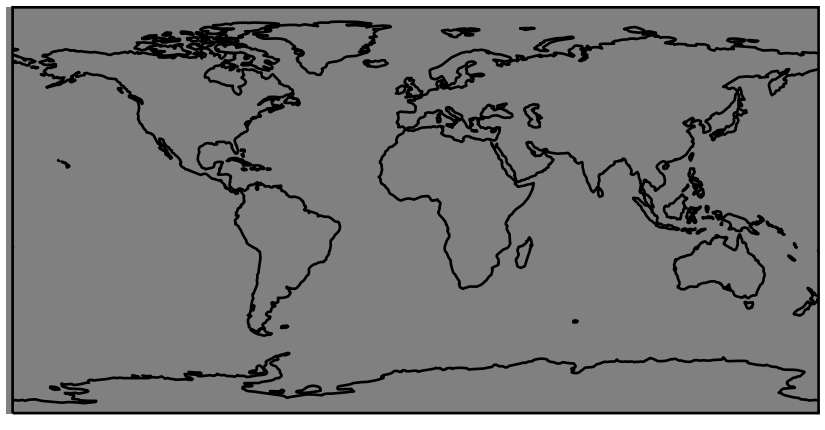
Fractional Difference
(Dev-Ref)/Ref, Fixed Range



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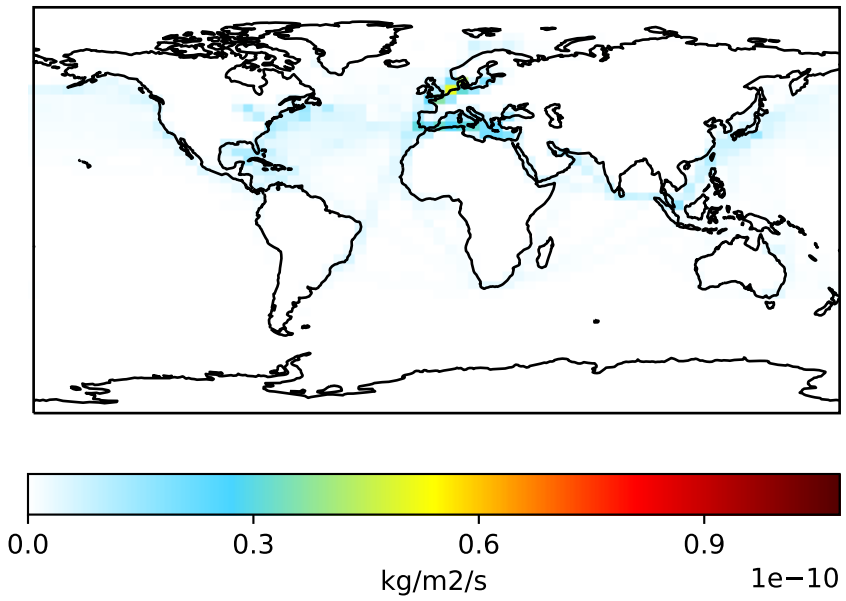
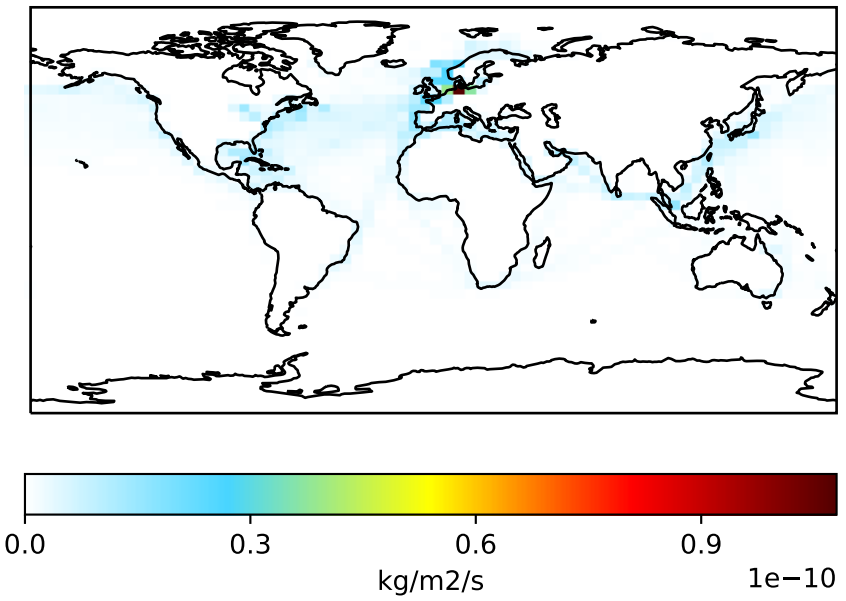
EmisHNO3_Ship

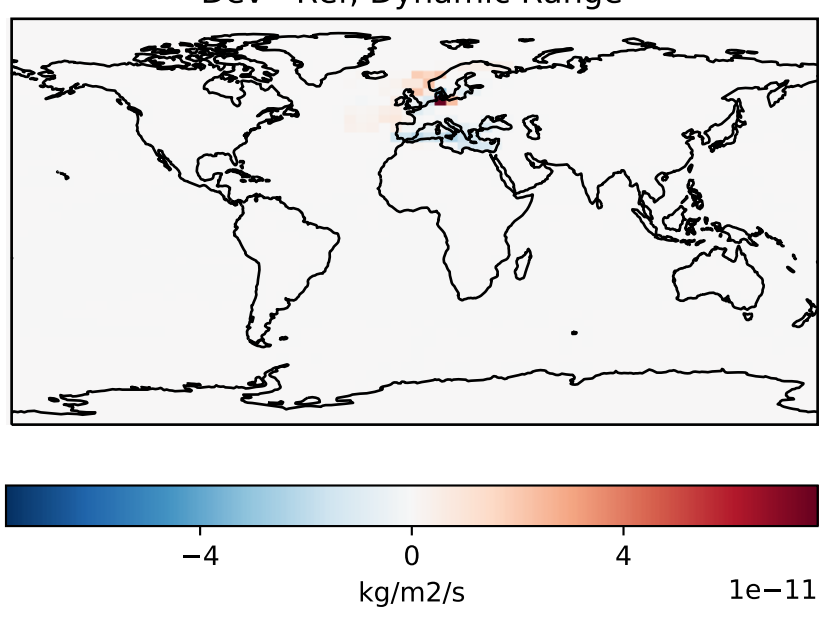
GC_12.4.0 (Ref)
4x5



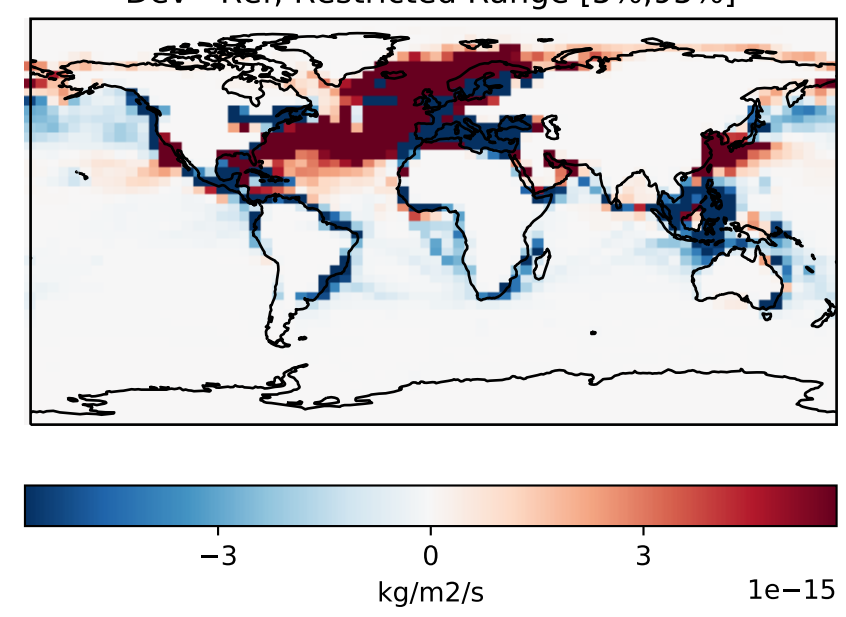
GC_12.5.0 (Dev)
4x5



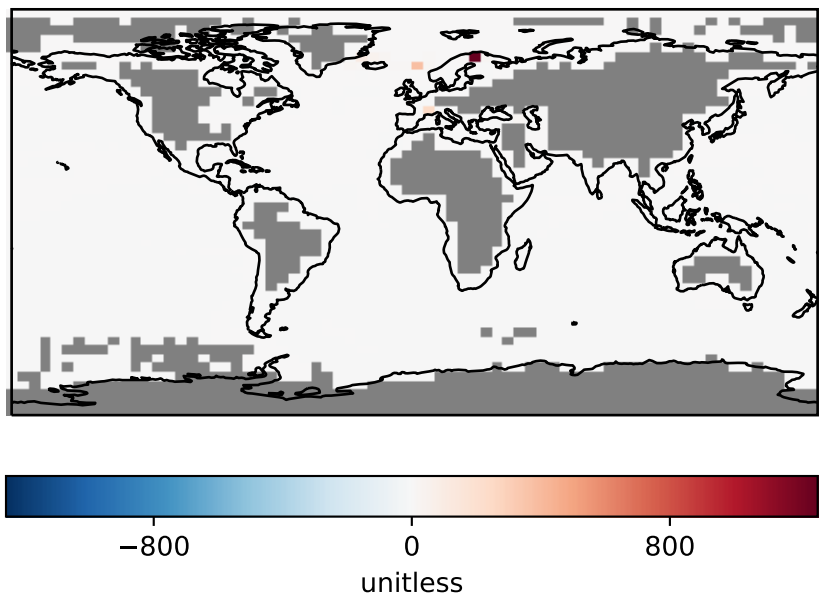
Difference
Dev - Ref, Dynamic Range



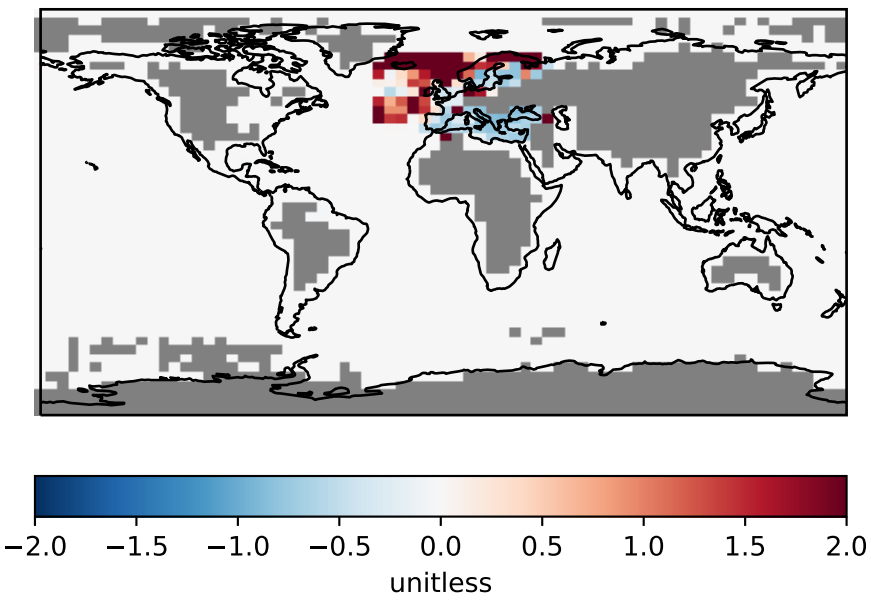
Difference
Dev - Ref, Restricted Range [5%,95%]



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

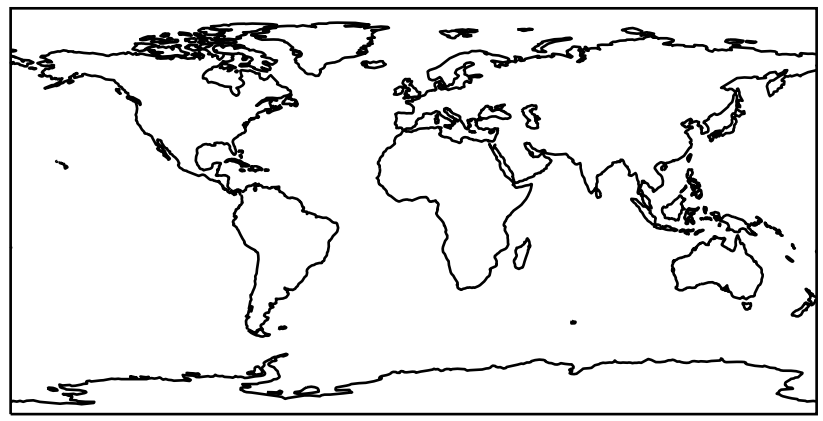


Fractional Difference
(Dev-Ref)/Ref, Fixed Range



EmisMEK_Ship

GC_12.4.0 (Ref)
4x5



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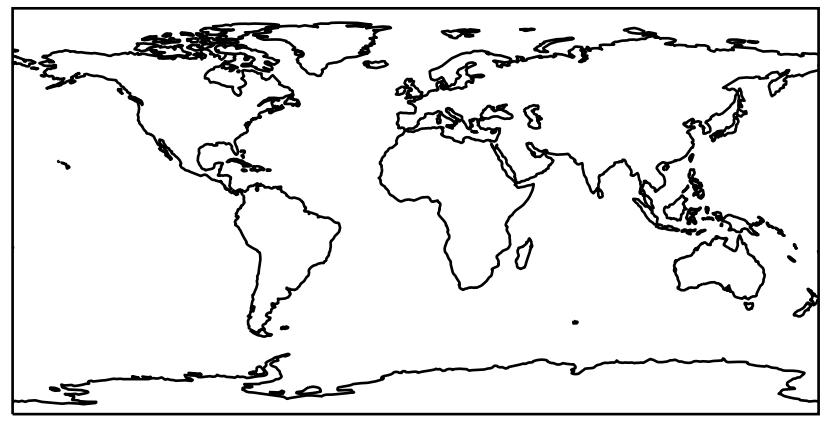
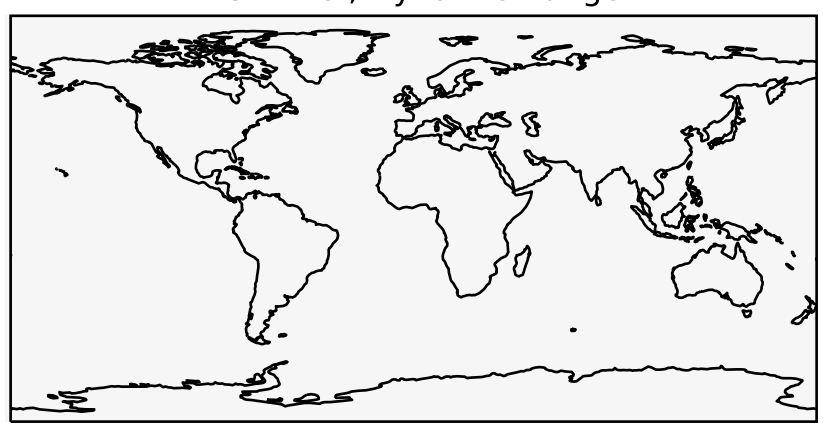
kg/m2/s

GC_12.5.0 (Dev)
4x5



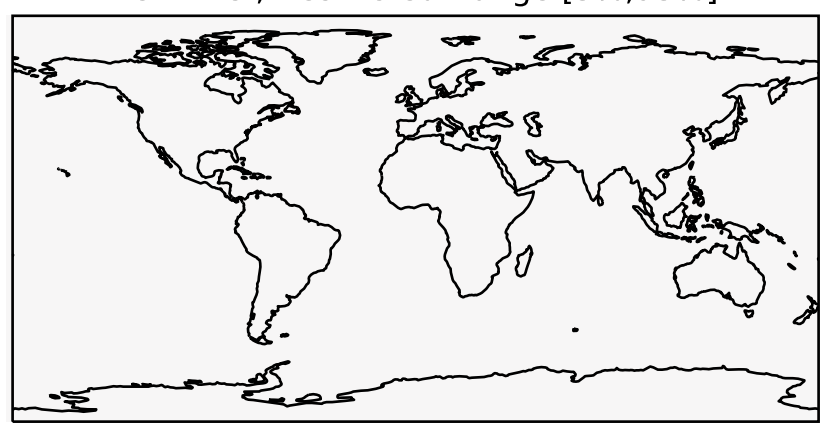
Zero throughout domain
kg/m2/s

Difference
Dev - Ref, Dynamic Range



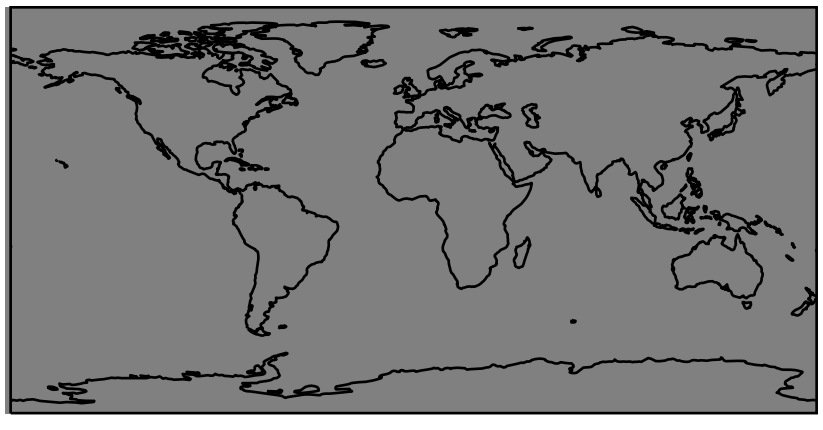
Zero throughout domain
kg/m2/s

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



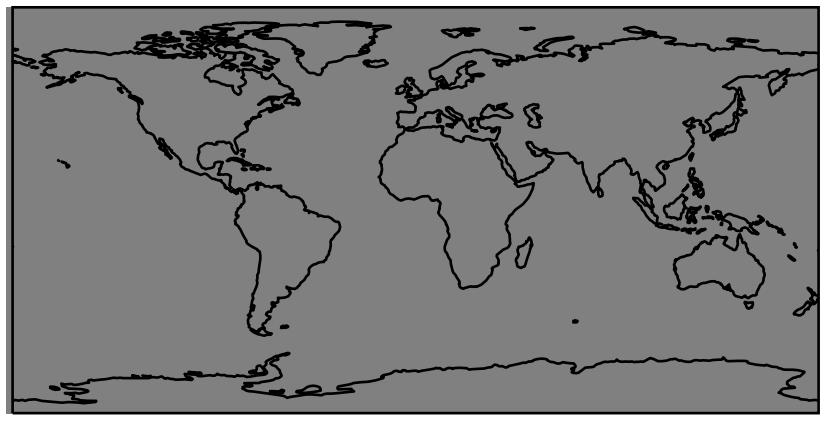
Zero throughout domain
kg/m2/s

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



Undefined throughout domain
unitless

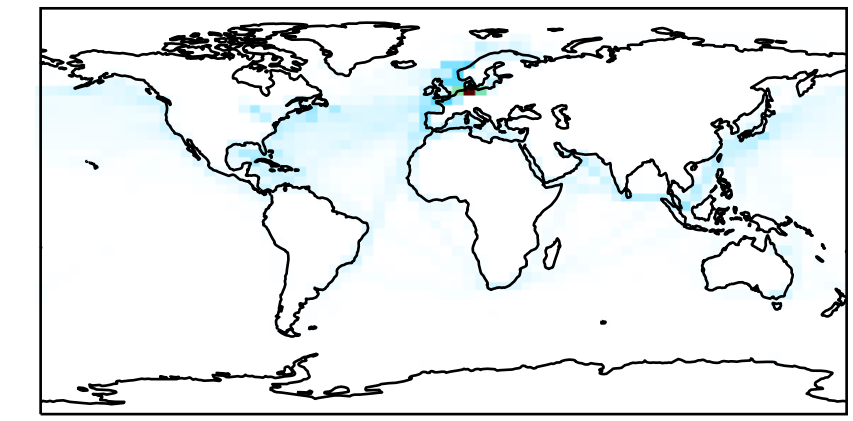
Fractional Difference
(Dev-Ref)/Ref, Fixed Range

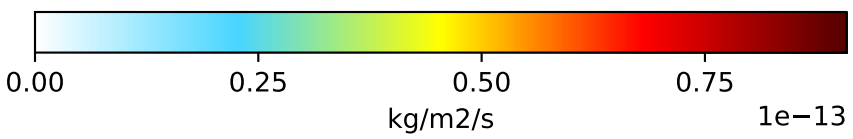


Undefined throughout domain
unitless

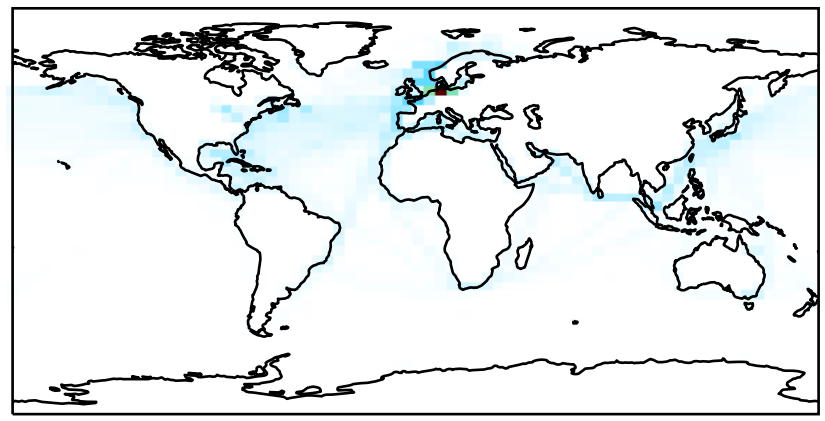
EmisNH3_Ship

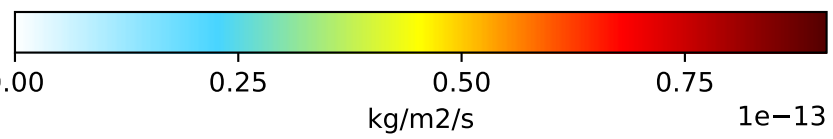
GC_12.4.0 (Ref)
4x5



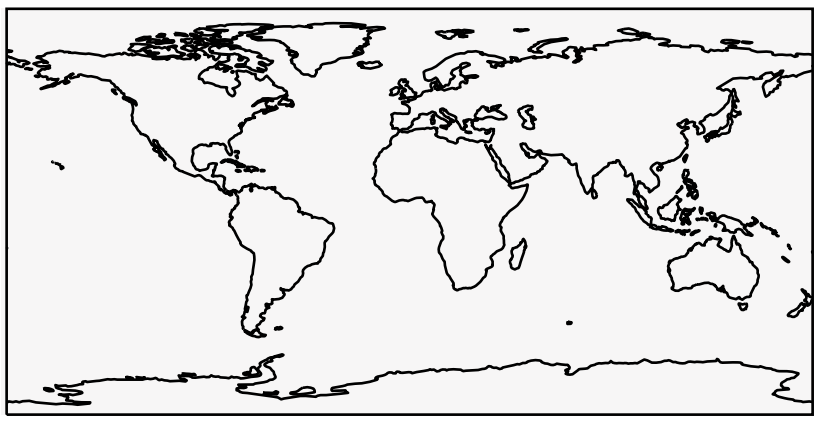


GC_12.5.0 (Dev)
4x5

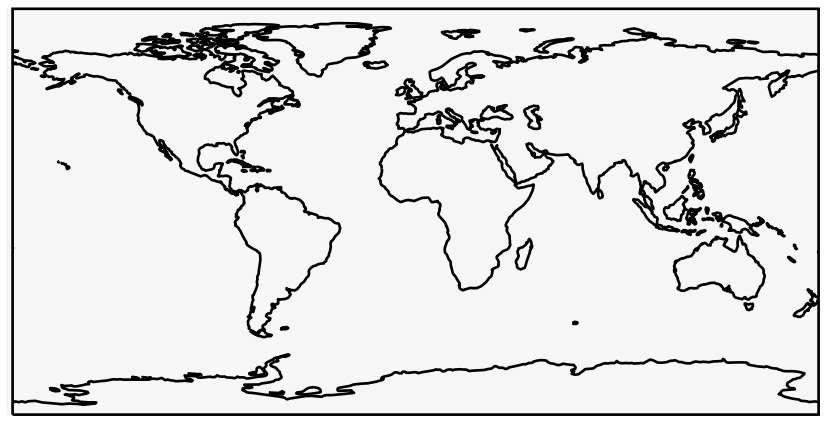




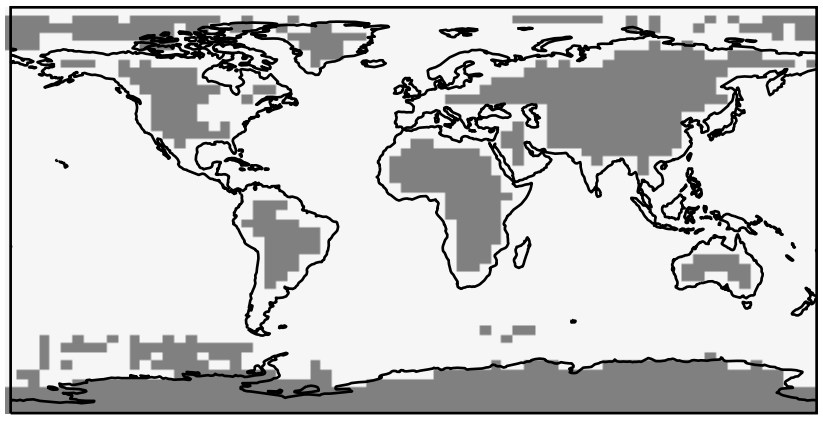
Difference
Dev - Ref, Dynamic Range



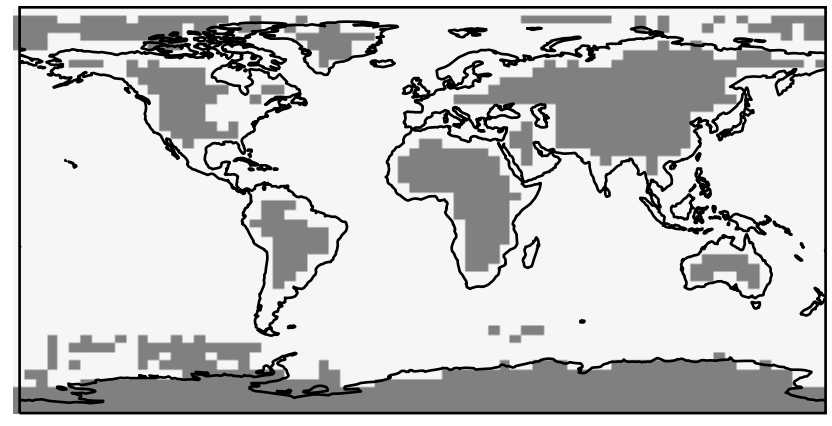
Difference
Dev - Ref, Restricted Range [5%,95%]



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

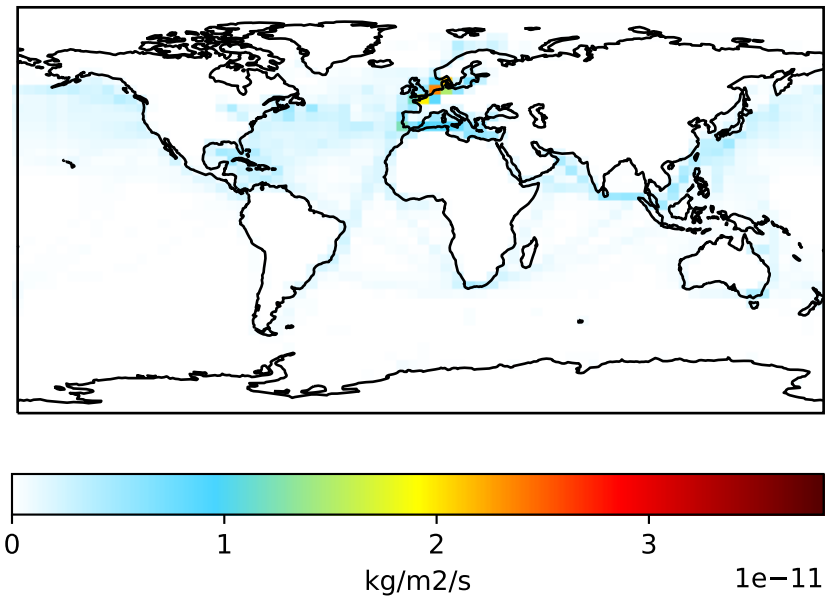


Fractional Difference
(Dev-Ref)/Ref, Fixed Range

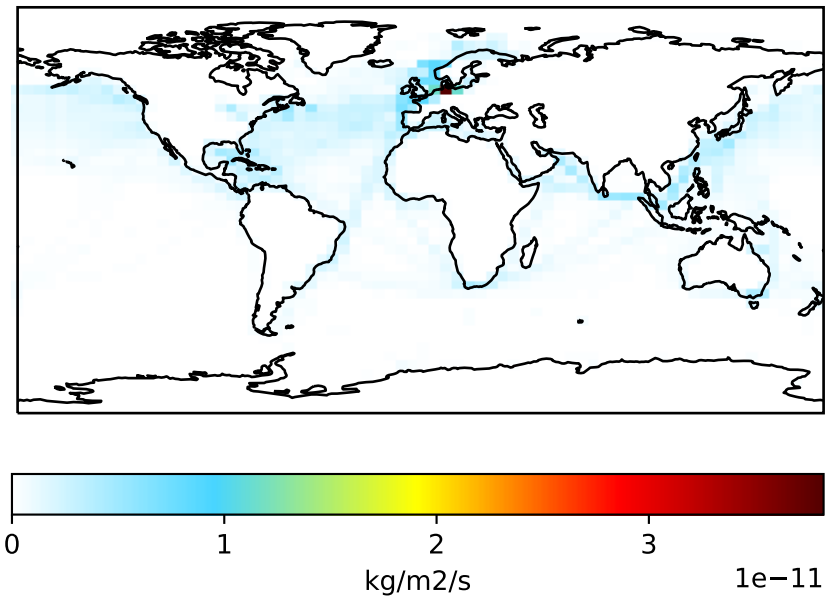


EmisNO2_Ship

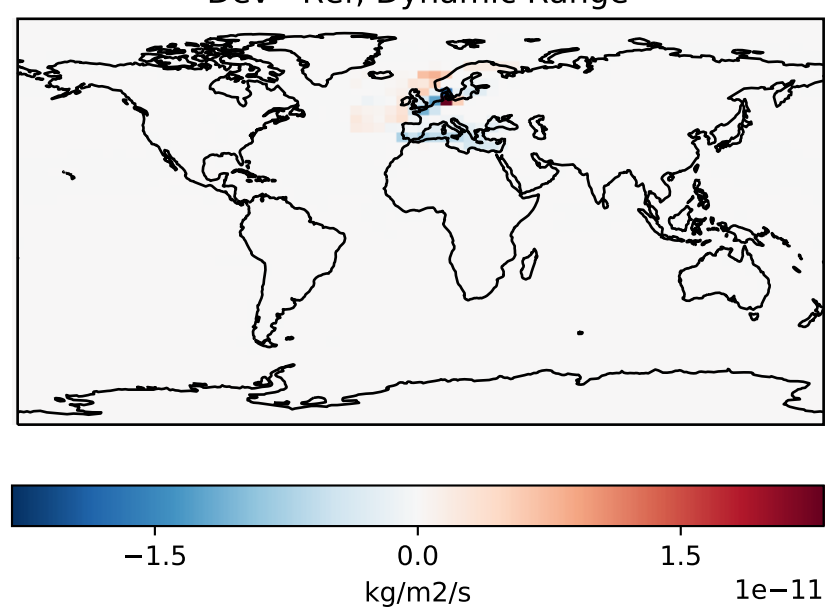
GC_12.4.0 (Ref)
4x5



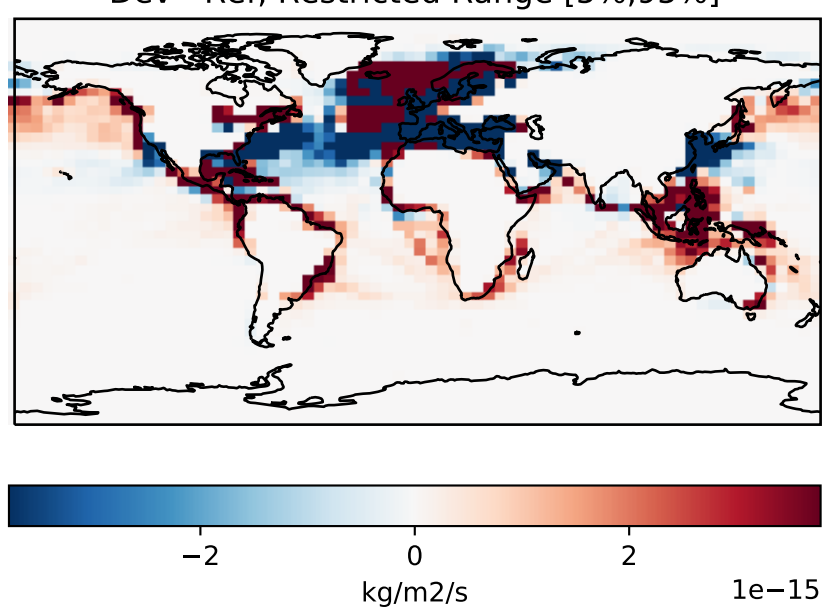
GC_12.5.0 (Dev)
4x5



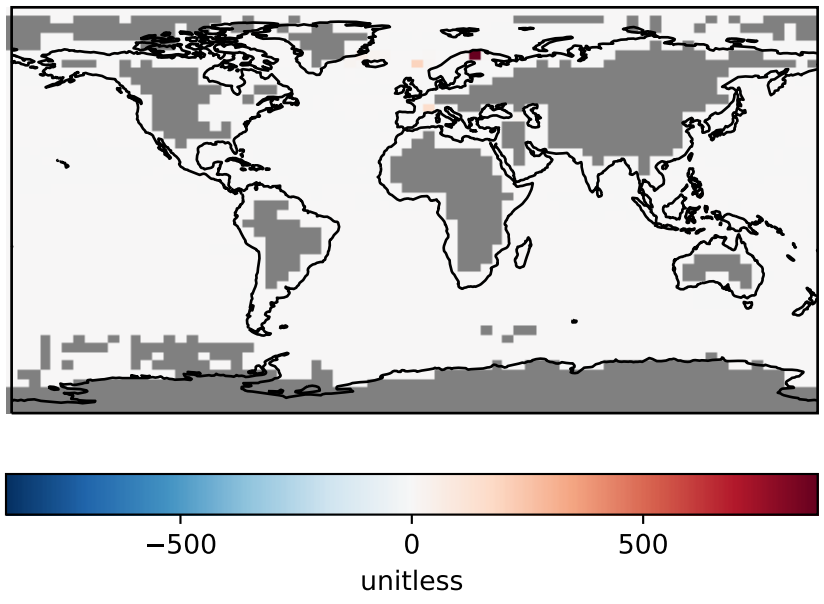
Difference
Dev - Ref, Dynamic Range



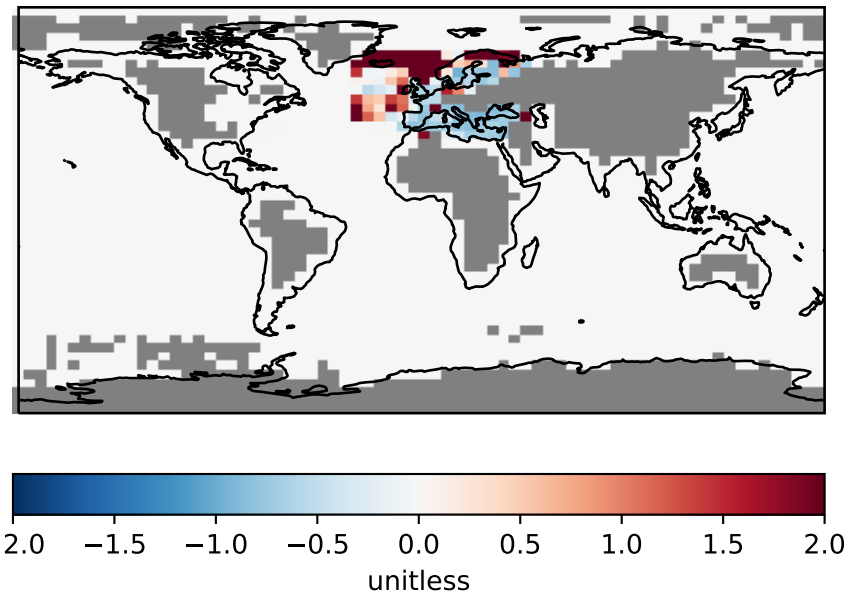
Difference
Dev - Ref, Restricted Range [5%,95%]



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

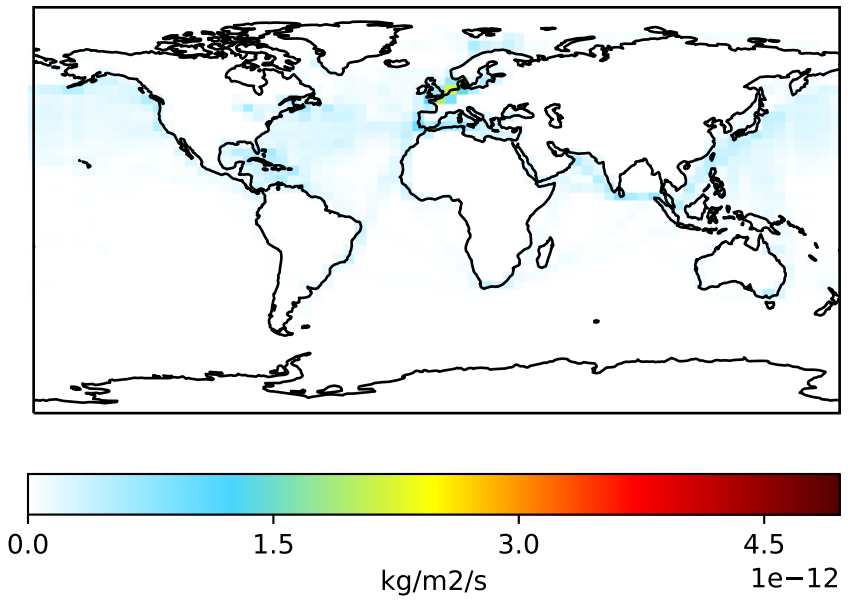


Fractional Difference
(Dev-Ref)/Ref, Fixed Range

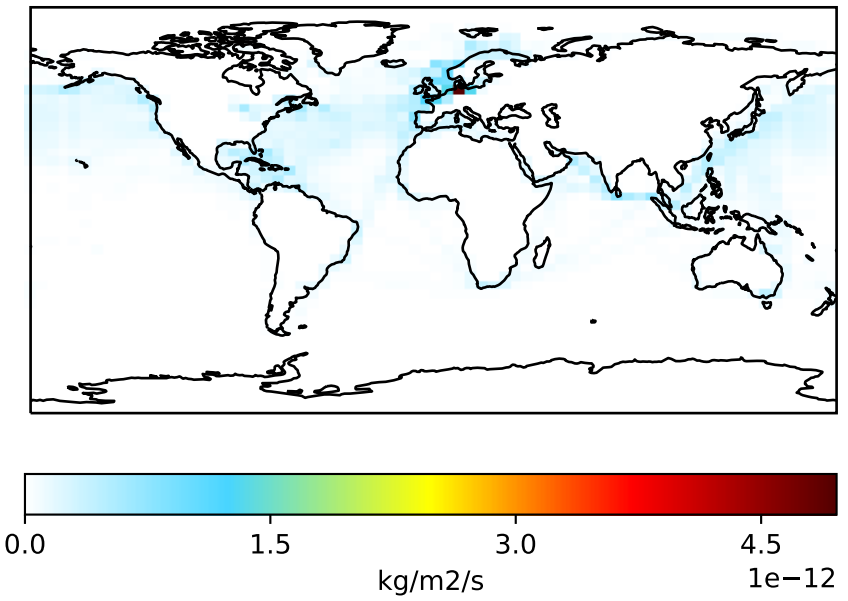


EmisNO_Ship

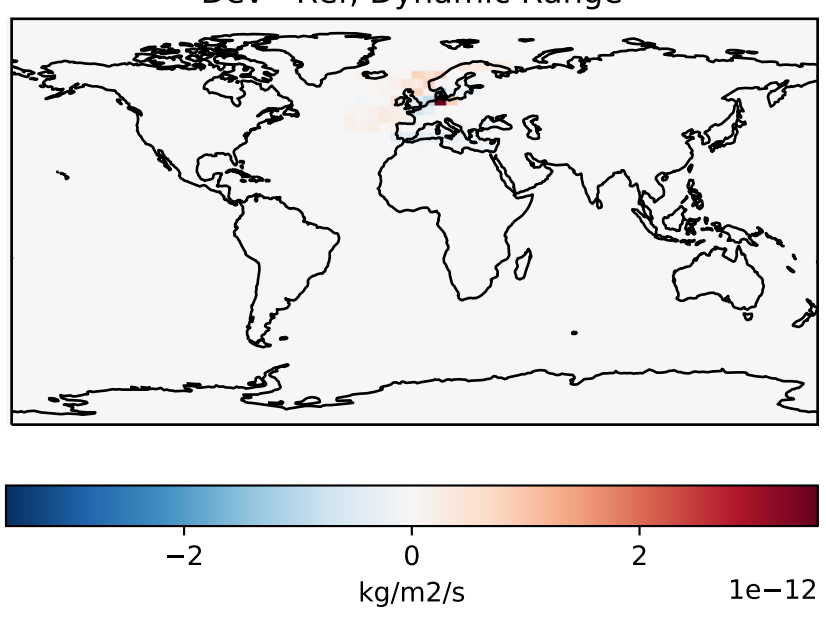
GC_12.4.0 (Ref)
4x5



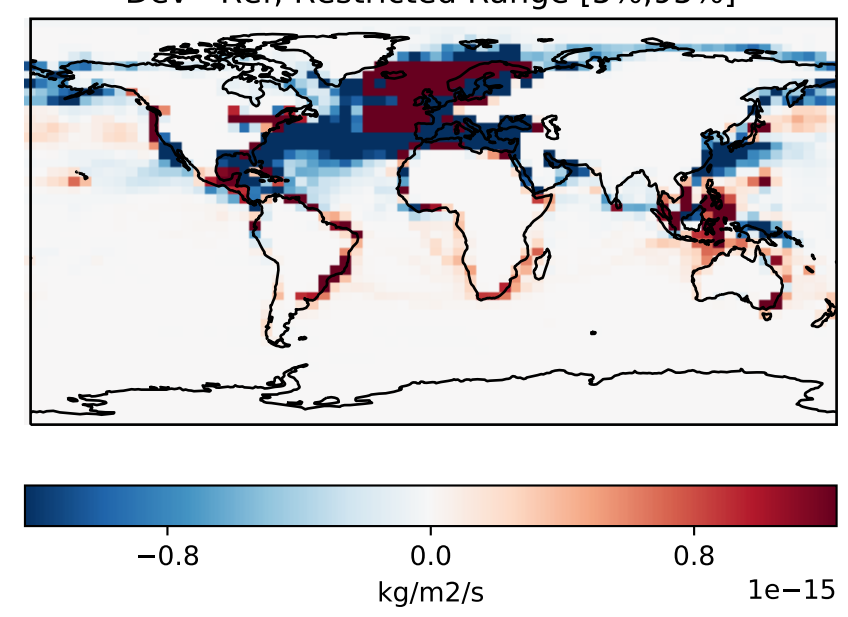
GC_12.5.0 (Dev)
4x5



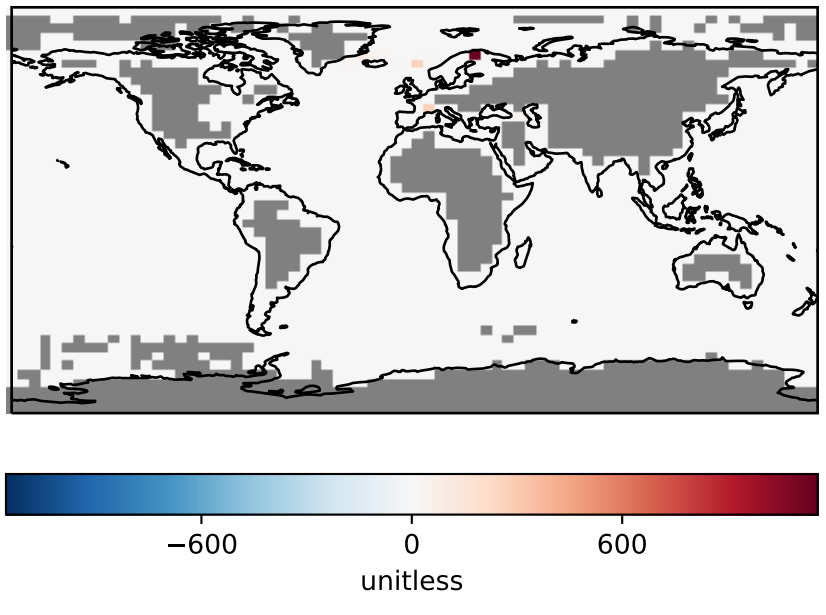
Difference
Dev - Ref, Dynamic Range



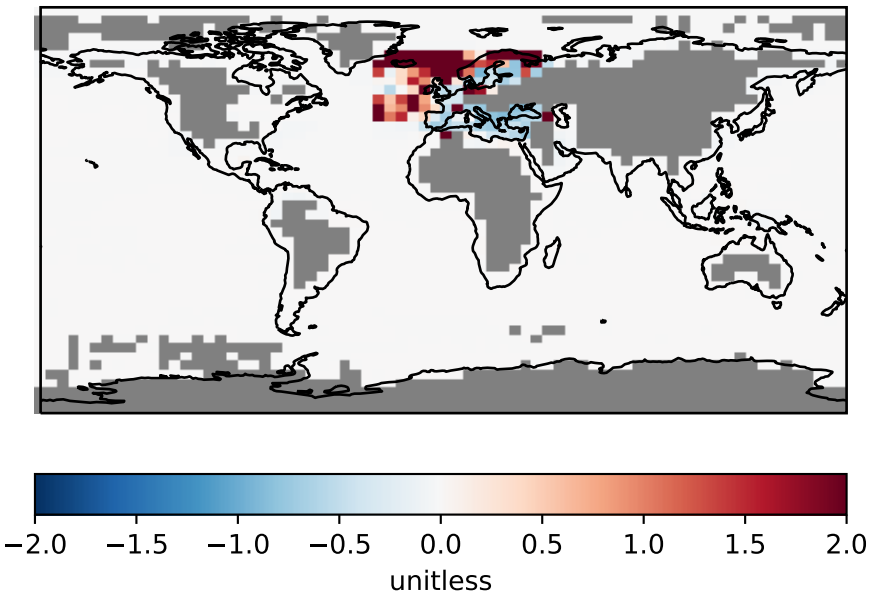
Difference
Dev - Ref, Restricted Range [5%,95%]



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

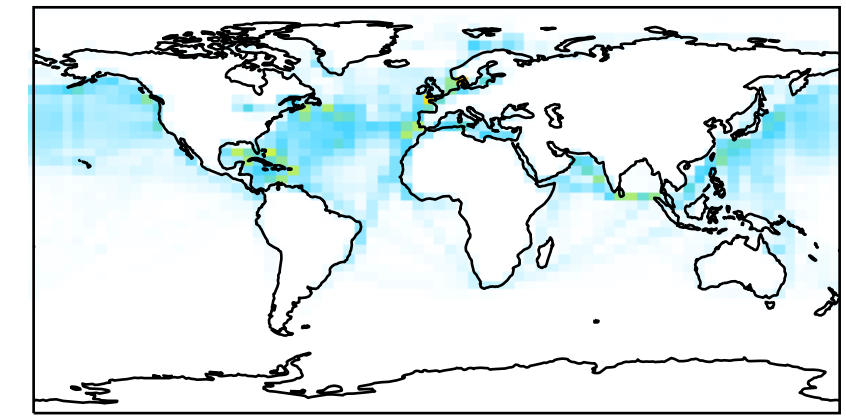


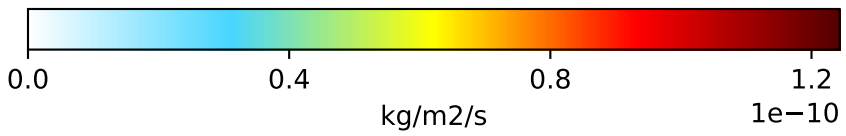
Fractional Difference
(Dev-Ref)/Ref, Fixed Range



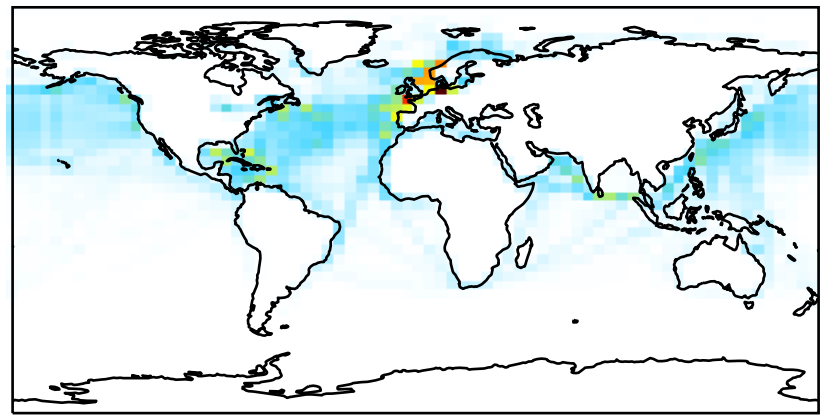
EmisO3_Ship

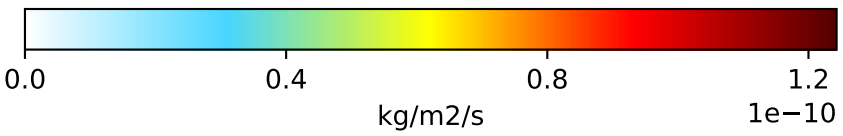
GC_12.4.0 (Ref)
4x5



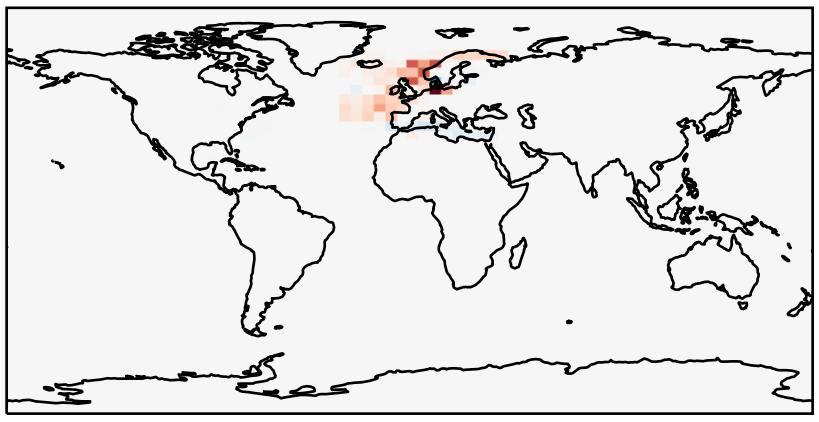


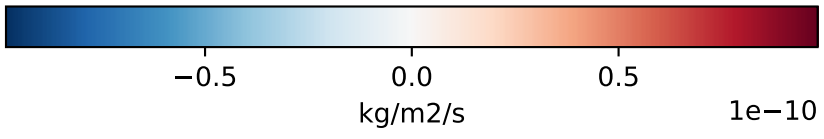
GC_12.5.0 (Dev)
4x5



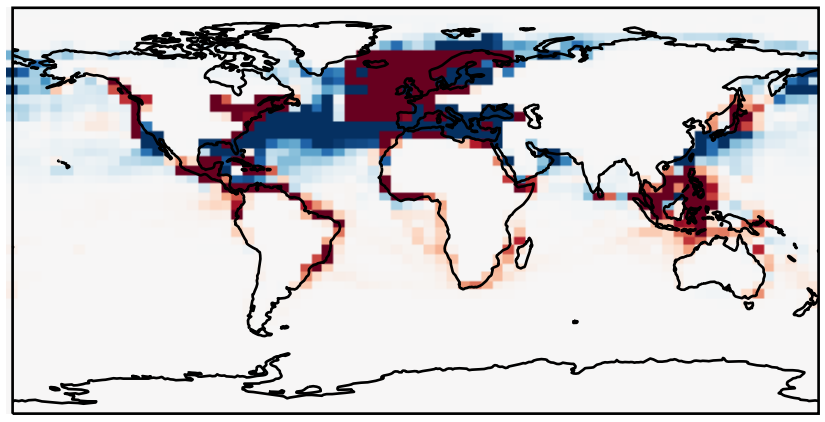


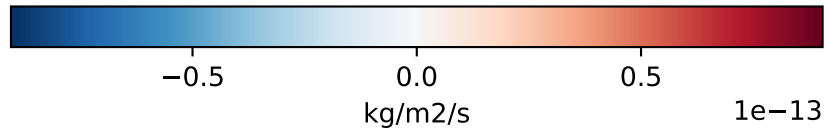
Difference
Dev - Ref, Dynamic Range



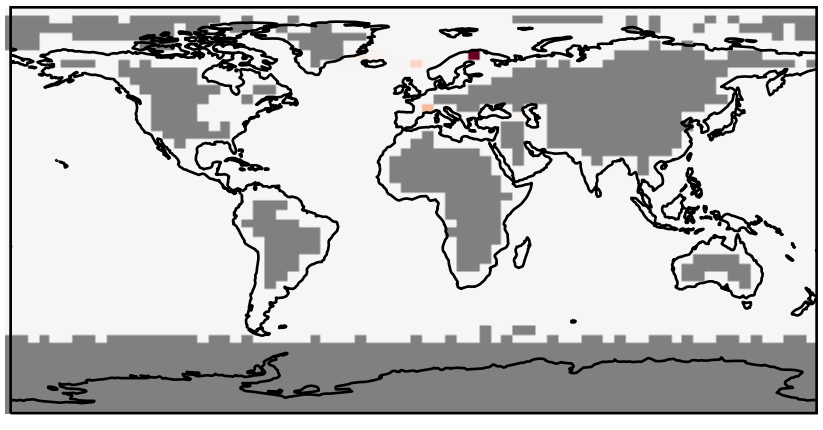


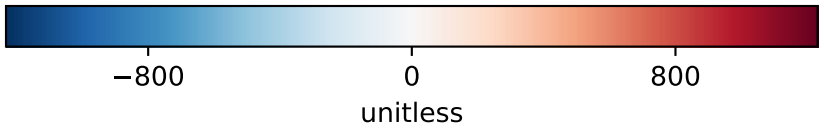
Difference
Dev - Ref, Restricted Range [5%,95%]



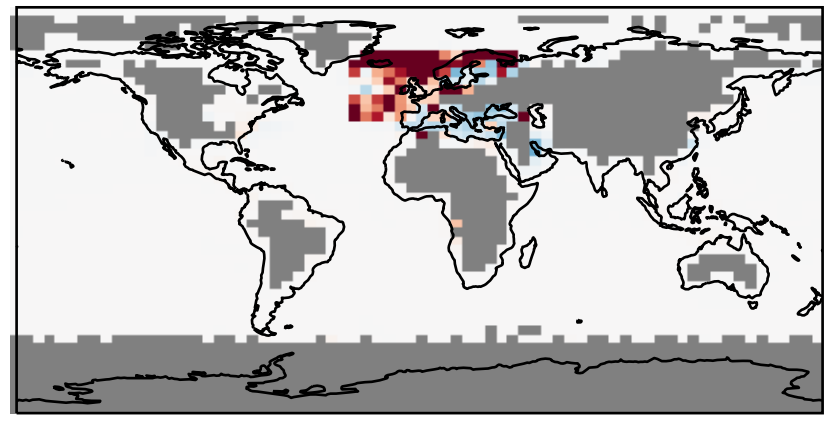


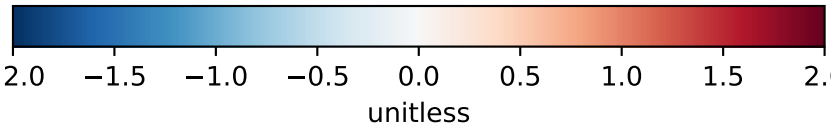
Fractional Difference
(Dev-Ref)/Ref, Dynamic Range





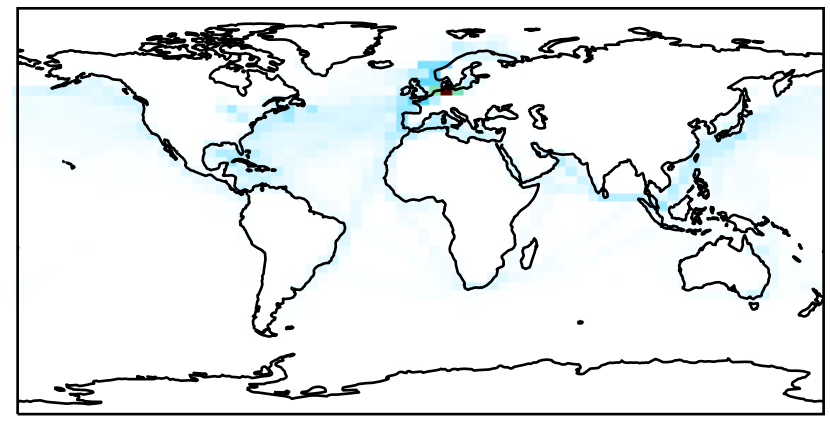
Fractional Difference
(Dev-Ref)/Ref, Fixed Range

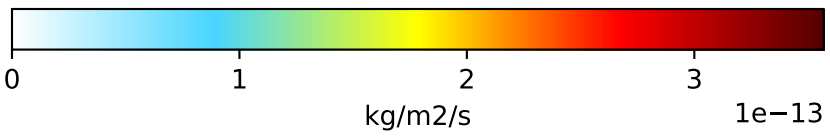




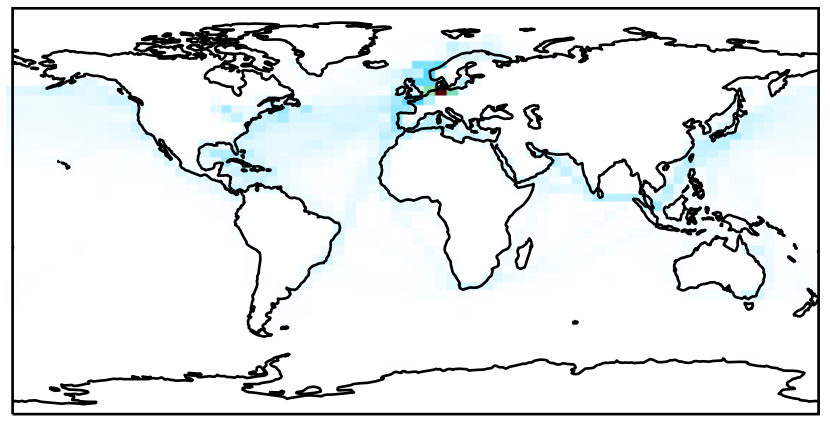
EmisOCPI_Ship

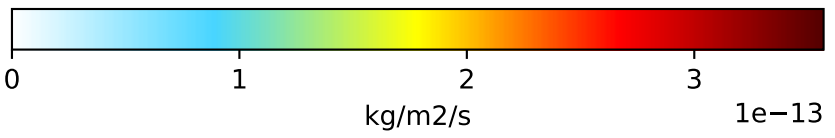
GC_12.4.0 (Ref)
4x5



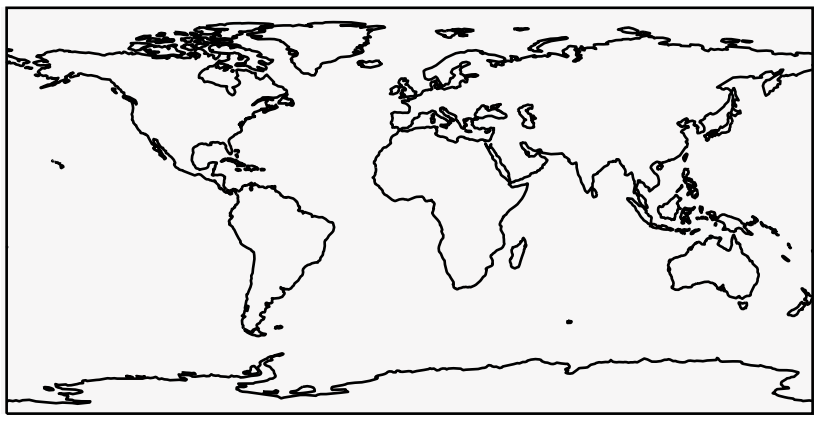


GC_12.5.0 (Dev)
4x5

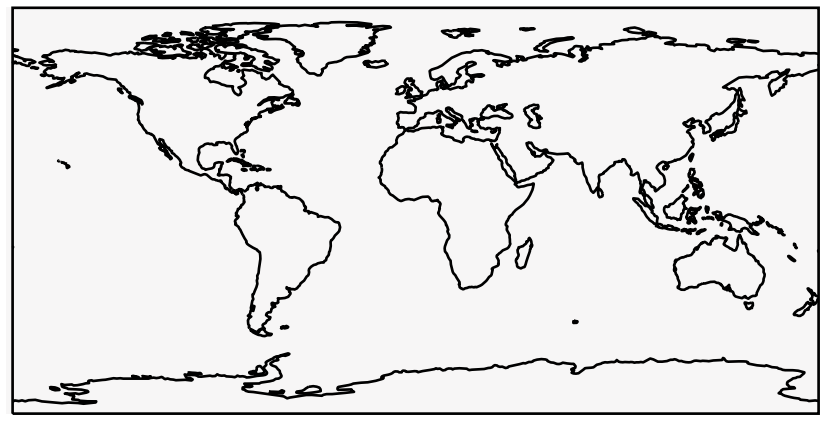




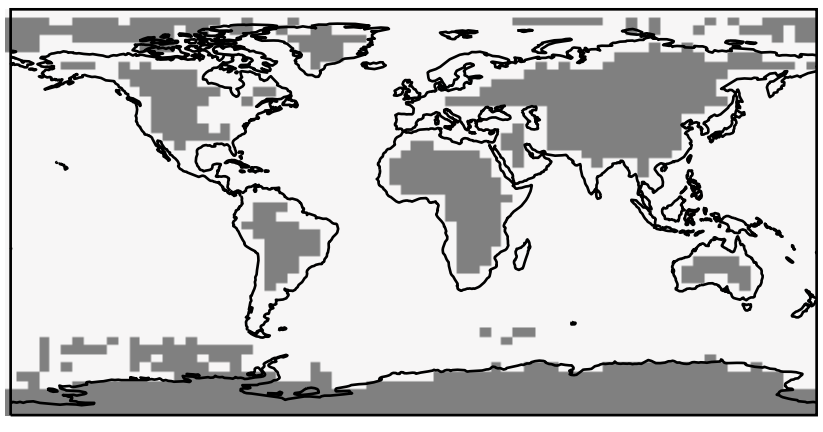
Difference
Dev - Ref, Dynamic Range

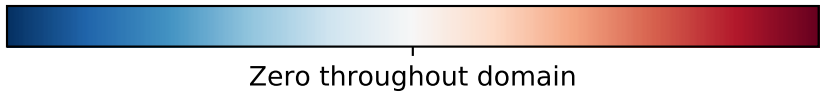


Difference
Dev - Ref, Restricted Range [5%,95%]

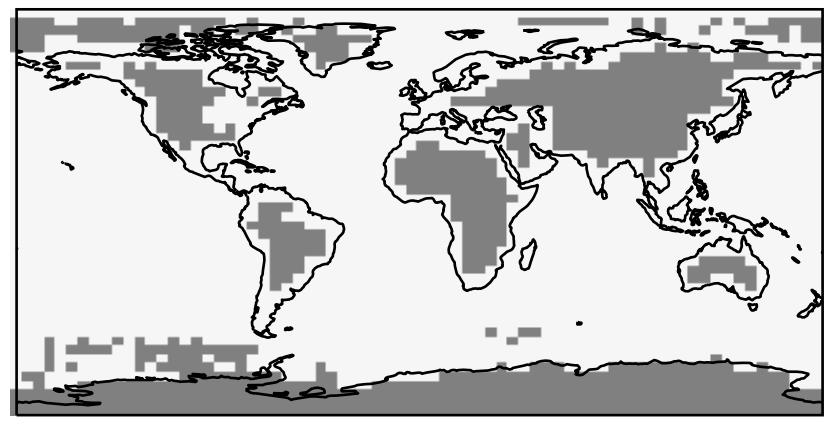


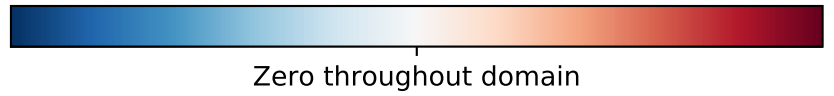
Fractional Difference
(Dev-Ref)/Ref, Dynamic Range





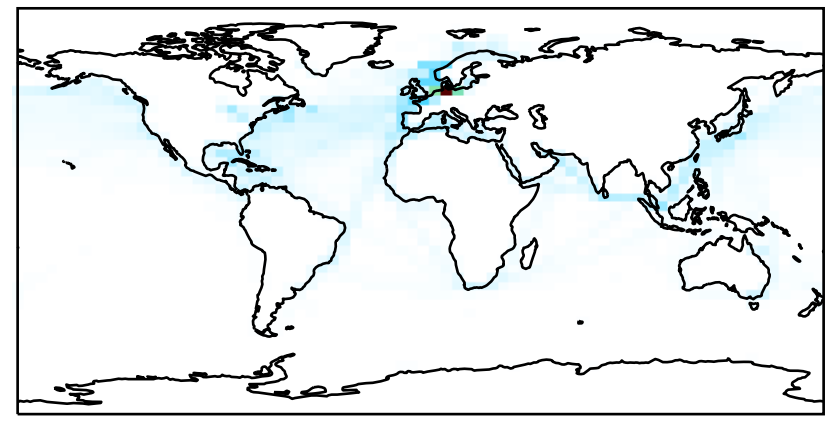
Fractional Difference
(Dev-Ref)/Ref, Fixed Range

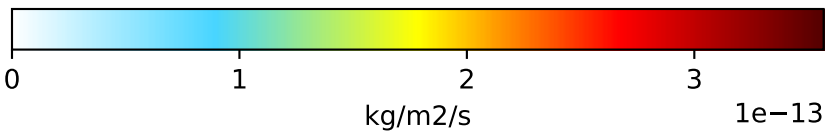




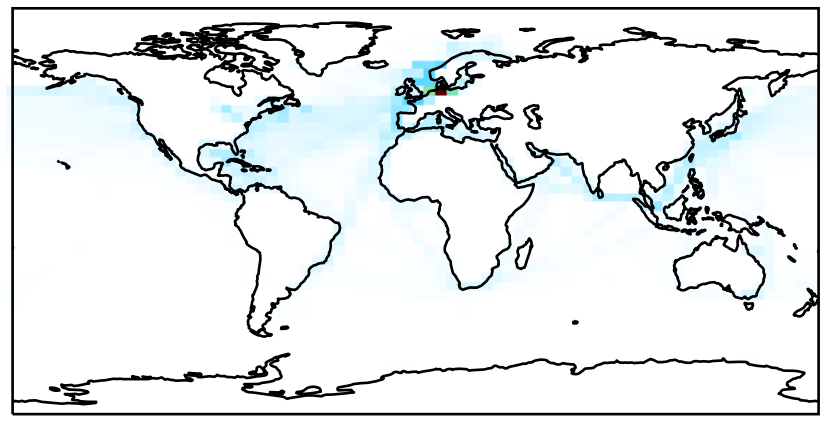
EmisOCPO_Ship

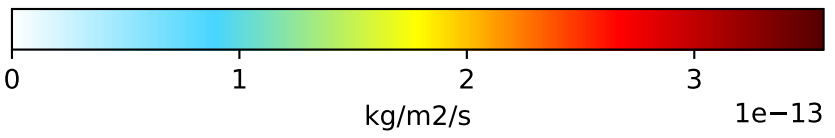
GC_12.4.0 (Ref)
4x5



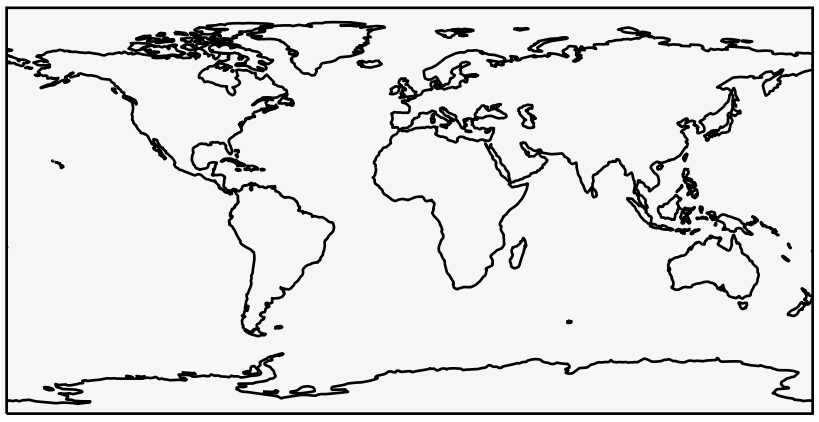


GC_12.5.0 (Dev)
4x5

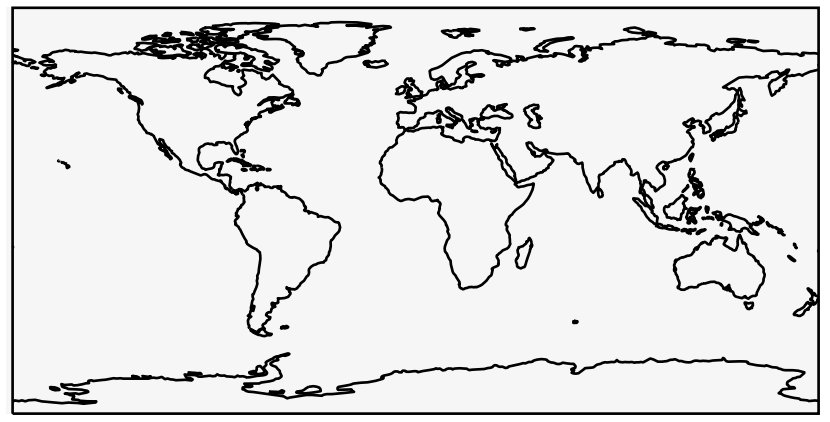




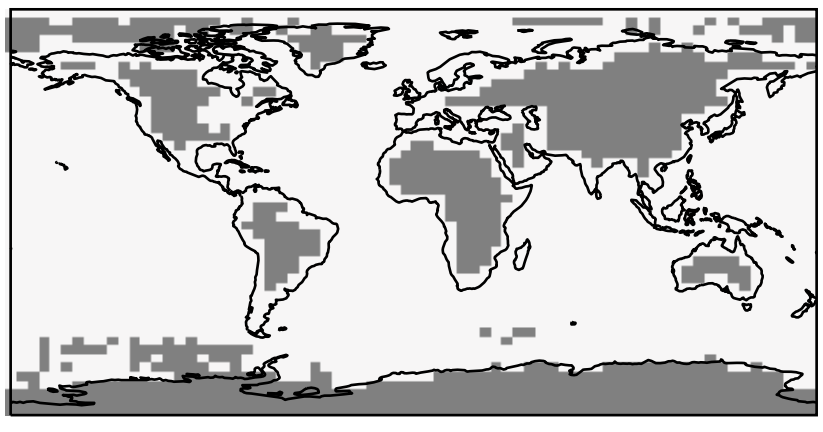
Difference
Dev - Ref, Dynamic Range

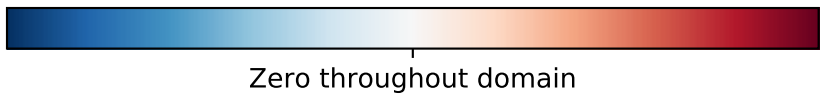


Difference
Dev - Ref, Restricted Range [5%,95%]

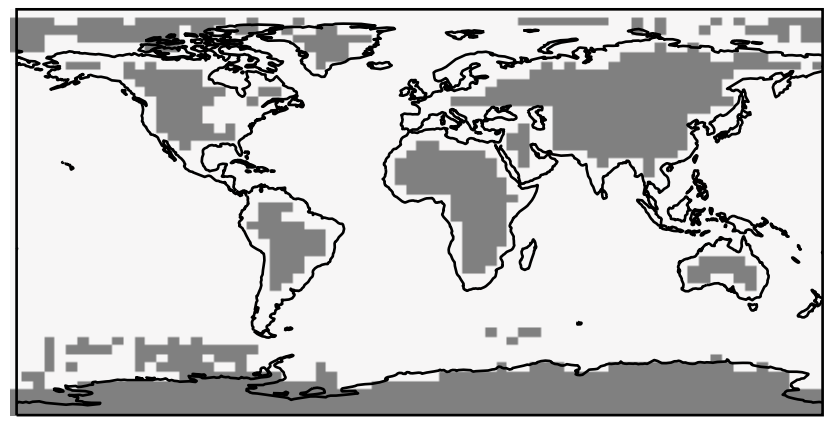


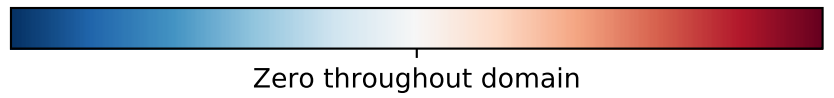
Fractional Difference
(Dev-Ref)/Ref, Dynamic Range





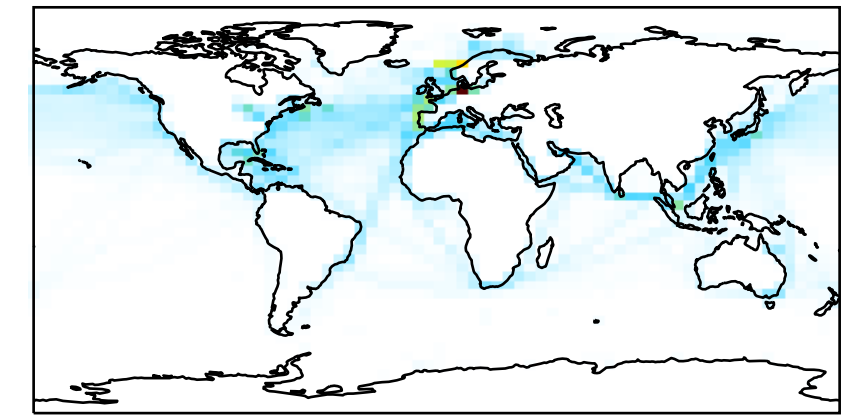
Fractional Difference
(Dev-Ref)/Ref, Fixed Range

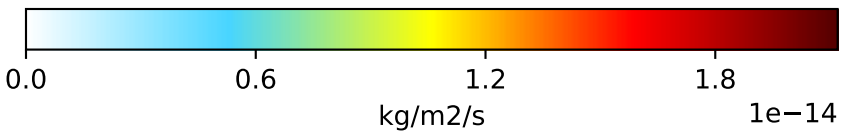




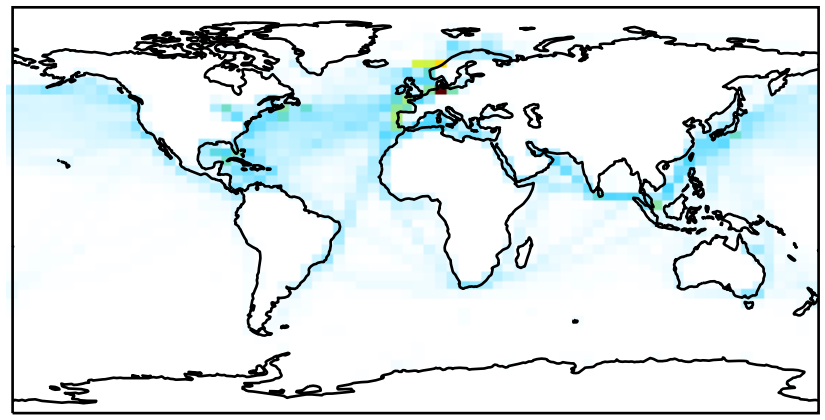
EmispFe_Ship

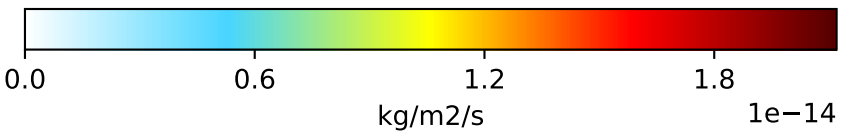
GC_12.4.0 (Ref)
4x5



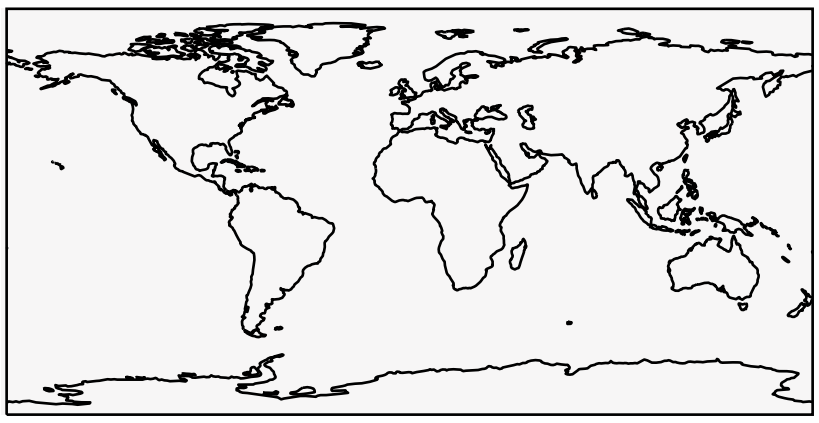


GC_12.5.0 (Dev)
4x5

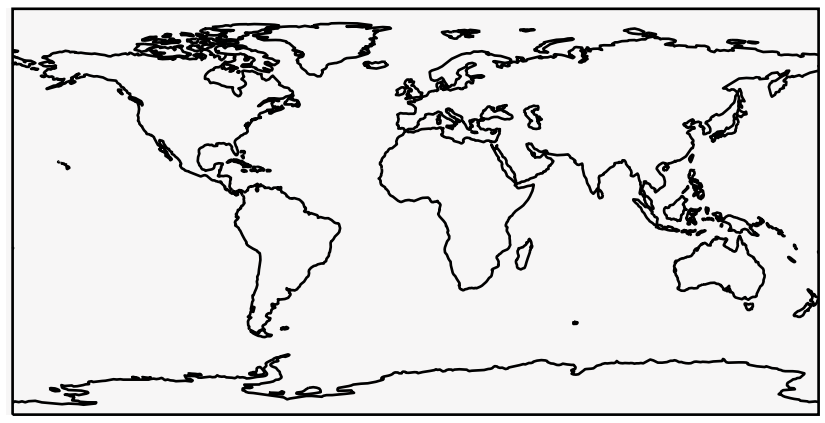




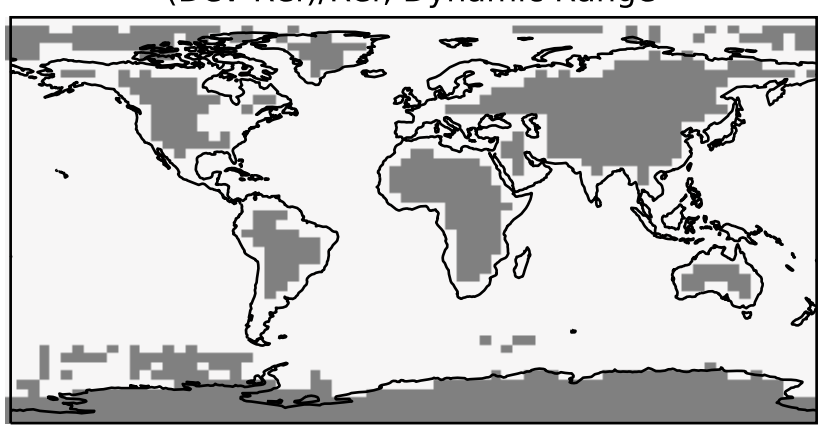
Difference
Dev - Ref, Dynamic Range

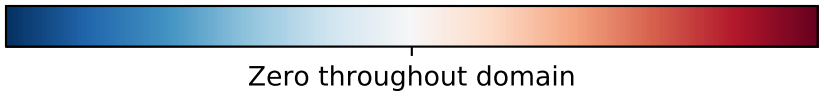


Difference
Dev - Ref, Restricted Range [5%,95%]

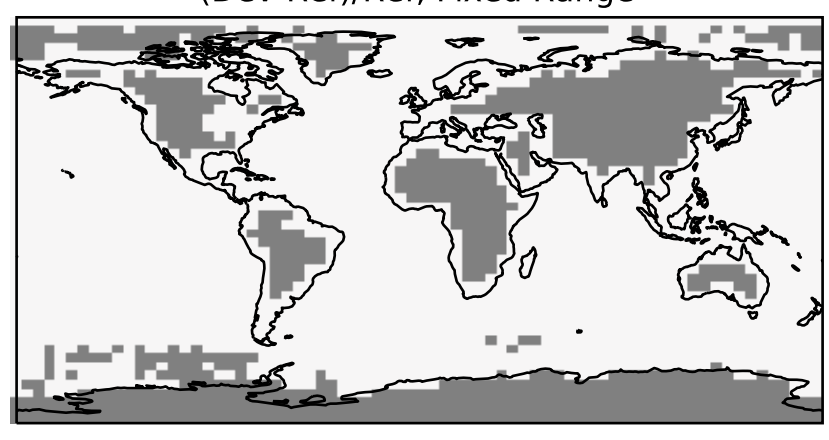


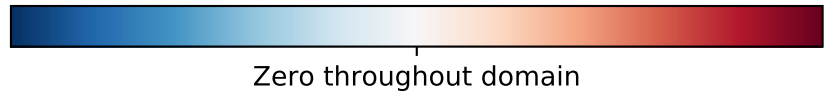
Fractional Difference
(Dev-Ref)/Ref, Dynamic Range





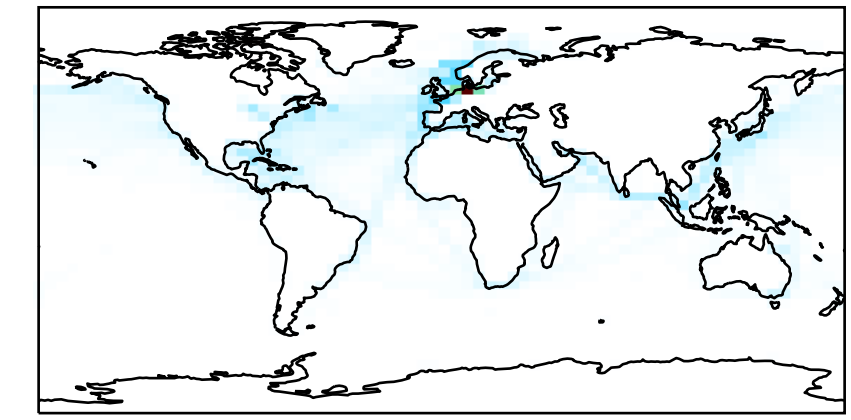
Fractional Difference
(Dev-Ref)/Ref, Fixed Range

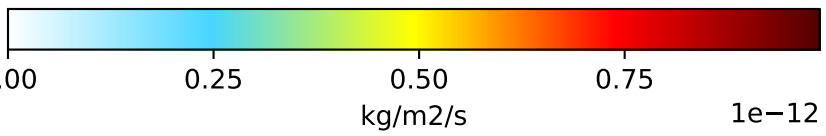




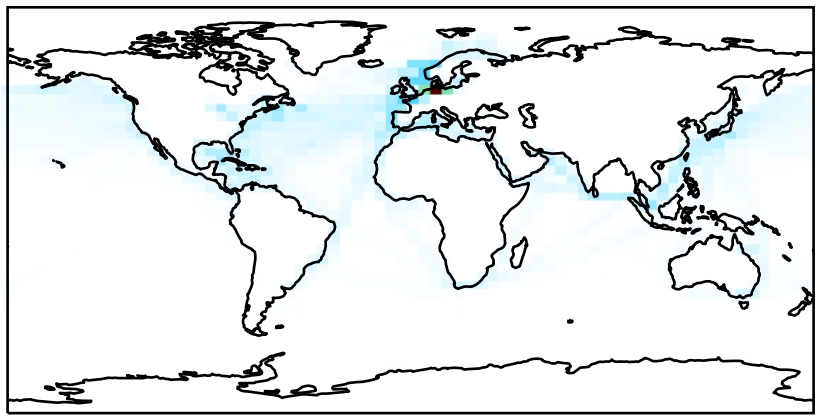
EmisPRPE_Ship

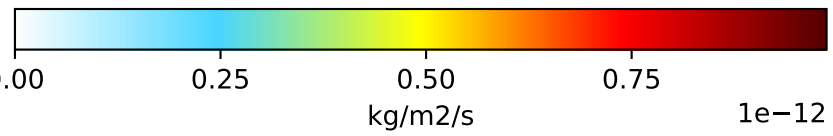
GC_12.4.0 (Ref)
4x5



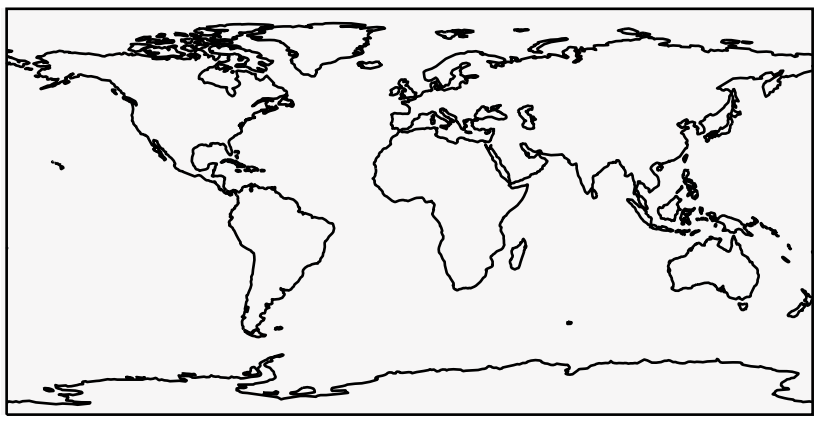


GC_12.5.0 (Dev)
4x5

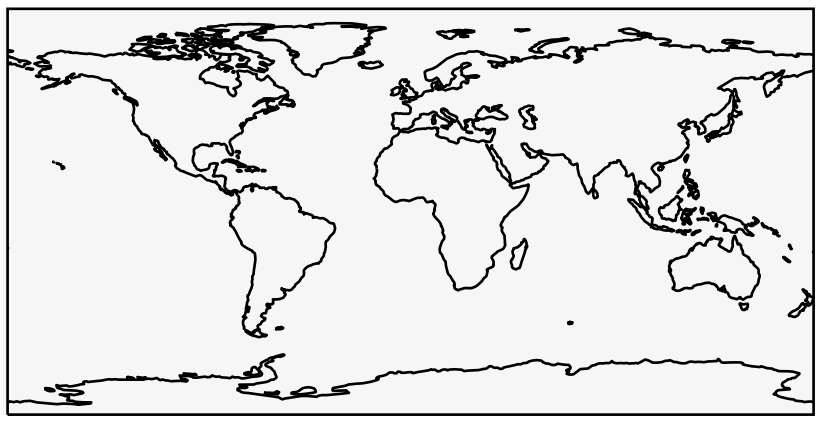




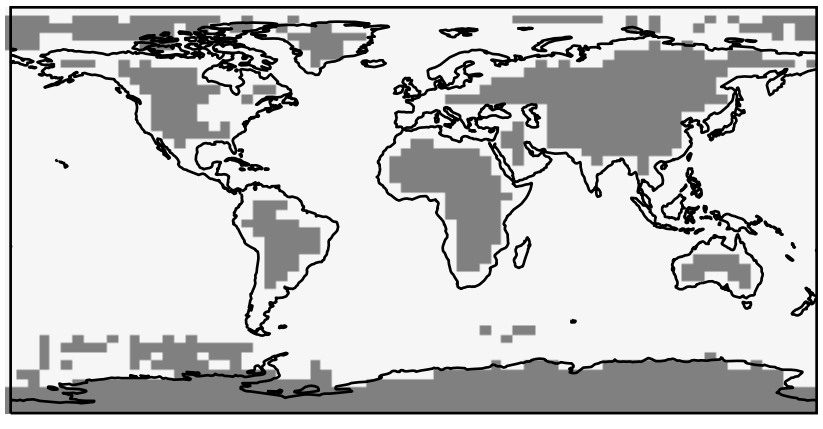
Difference
Dev - Ref, Dynamic Range



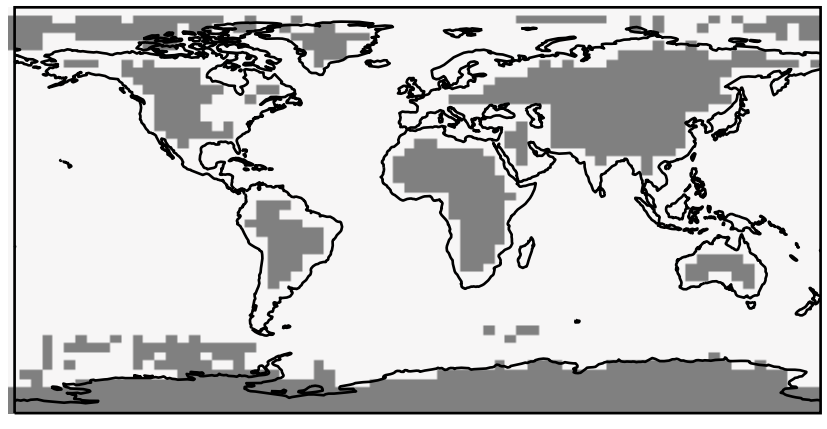
Difference
Dev - Ref, Restricted Range [5%,95%]



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

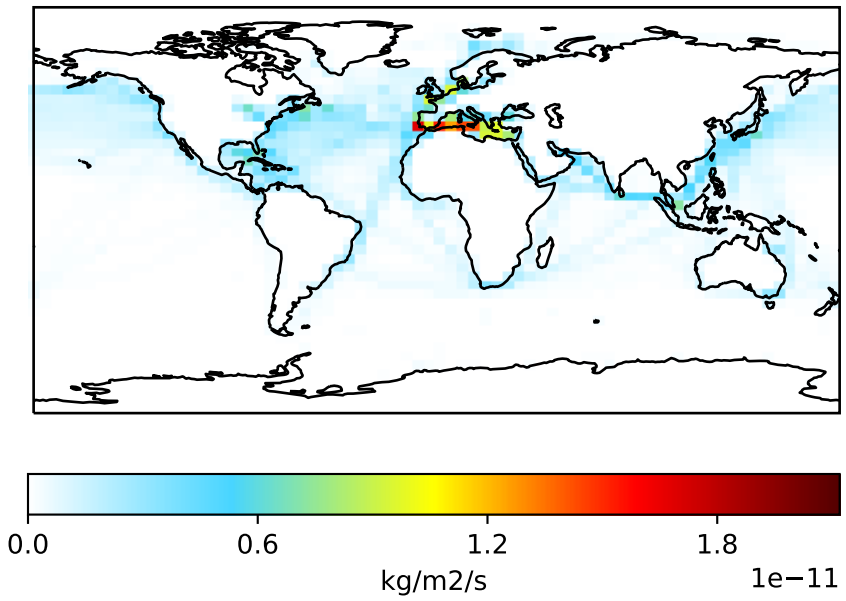


Fractional Difference
(Dev-Ref)/Ref, Fixed Range

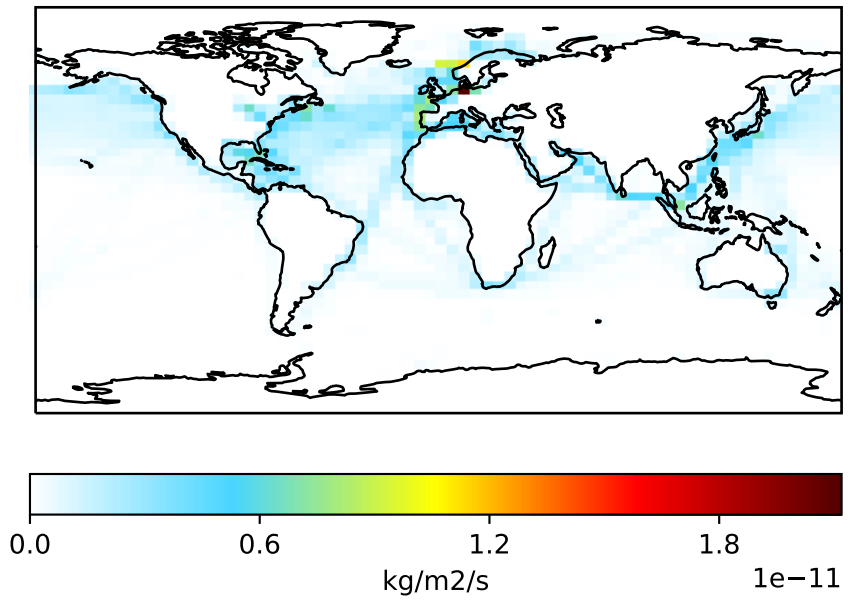


EmisSO2_Ship

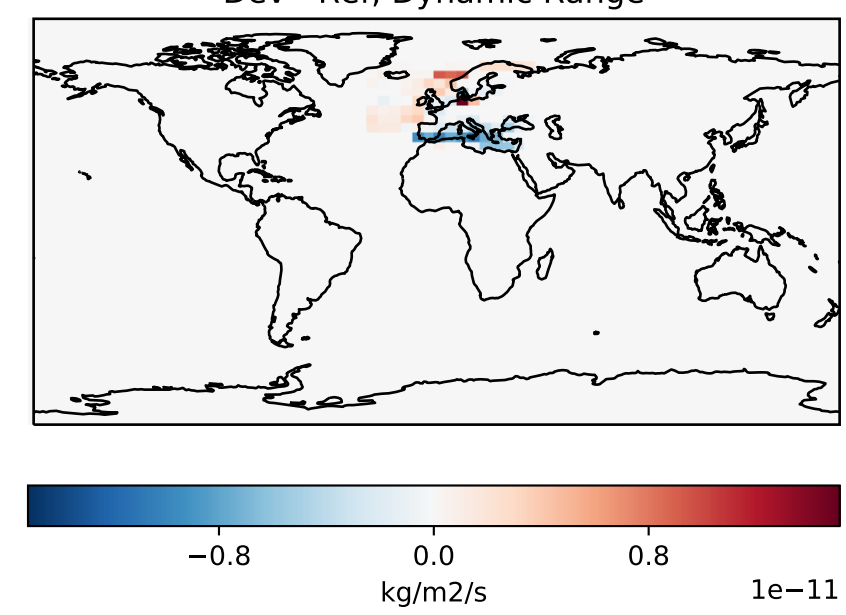
GC_12.4.0 (Ref)
4x5



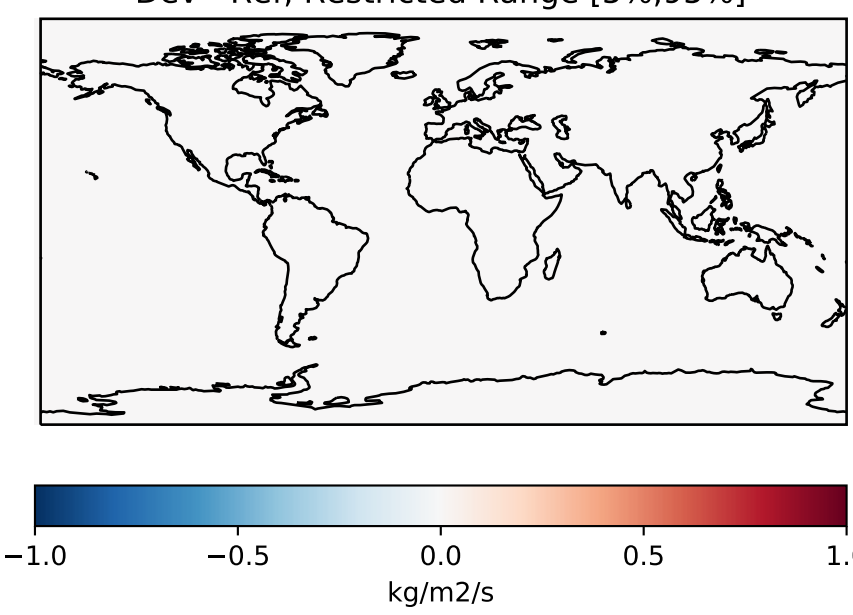
GC_12.5.0 (Dev)
4x5



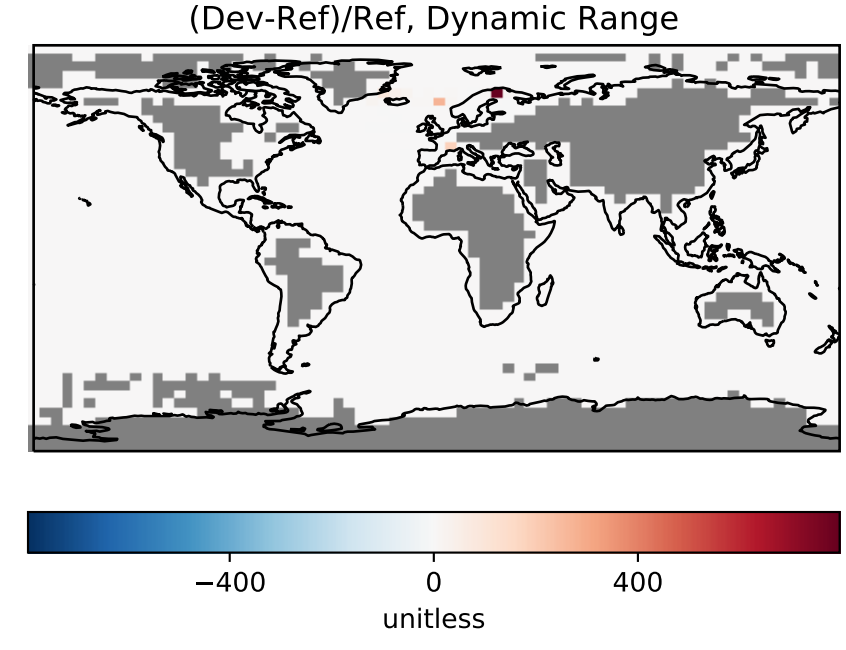
Difference
Dev - Ref, Dynamic Range



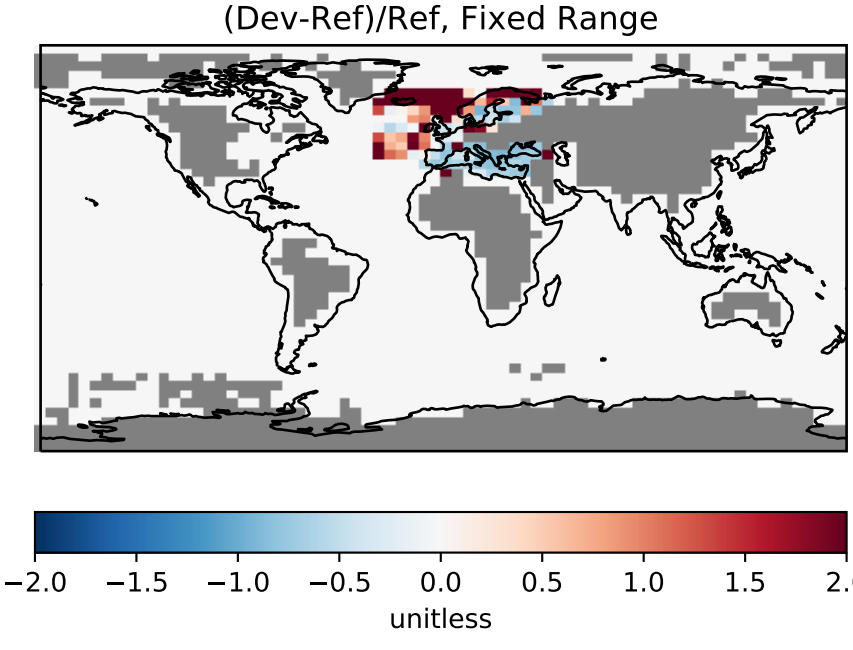
Difference
Dev - Ref, Restricted Range [5%,95%]



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

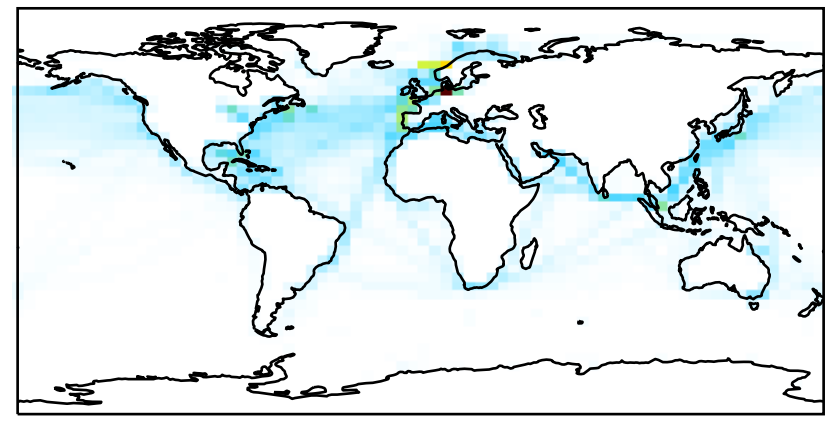


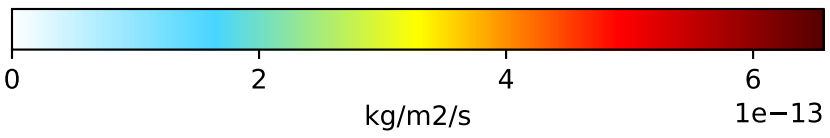
Fractional Difference
(Dev-Ref)/Ref, Fixed Range



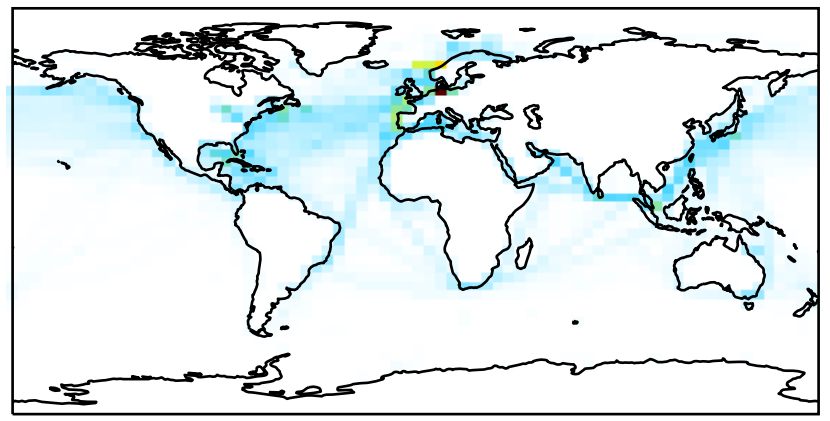
EmisSO4_Ship

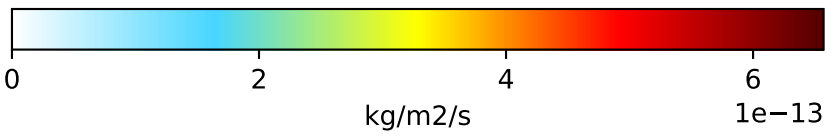
GC_12.4.0 (Ref)
4x5



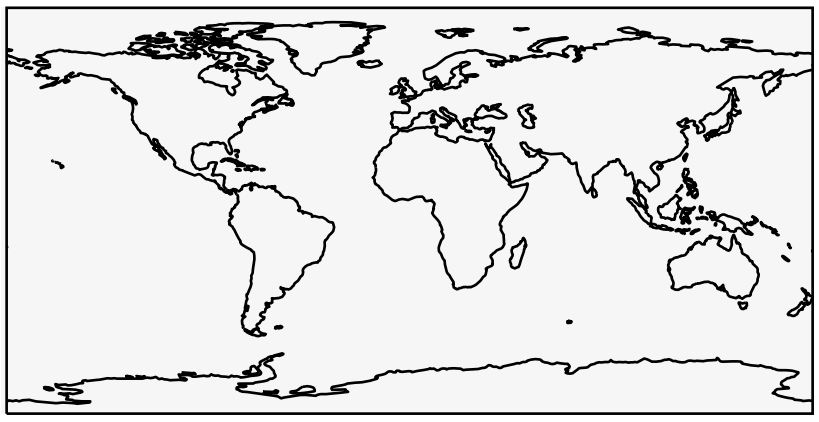


GC_12.5.0 (Dev)
4x5

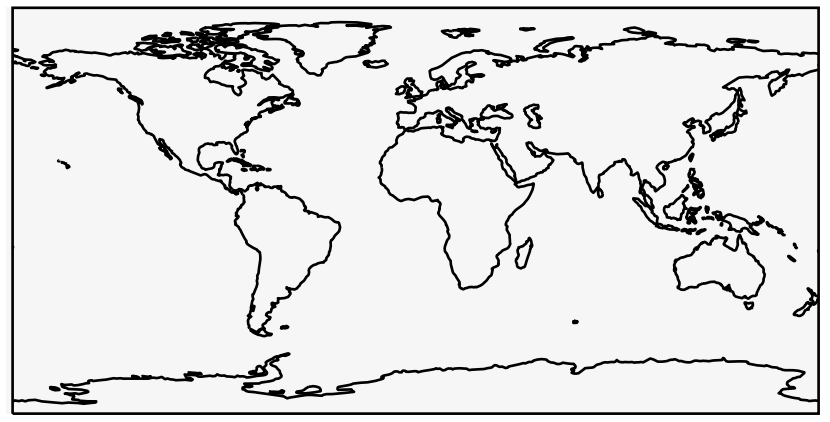




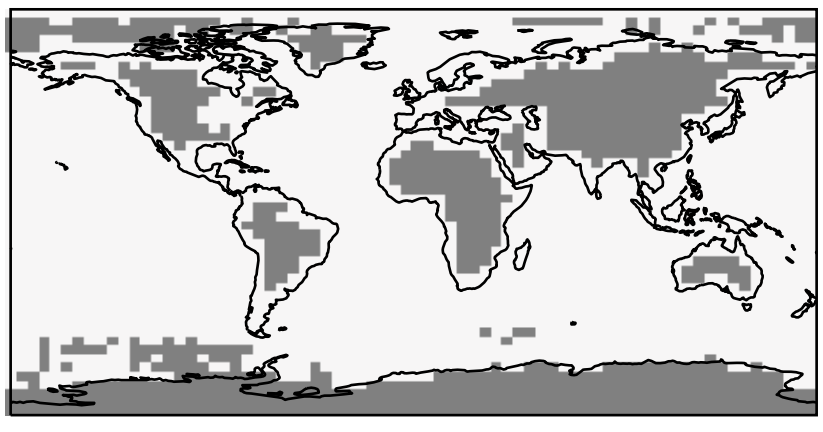
Difference
Dev - Ref, Dynamic Range

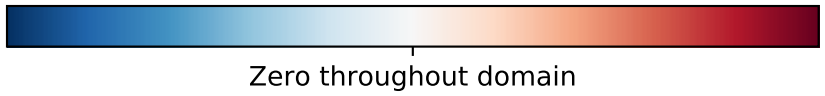


Difference
Dev - Ref, Restricted Range [5%,95%]

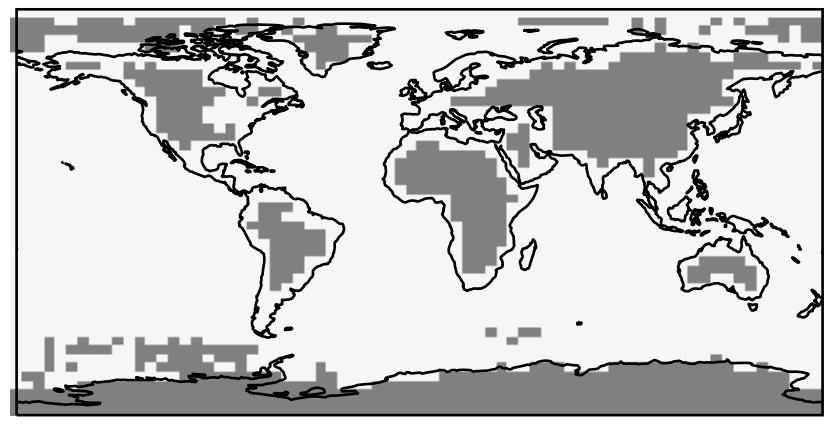


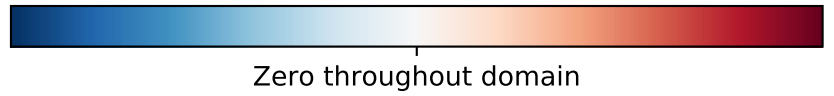
Fractional Difference
(Dev-Ref)/Ref, Dynamic Range





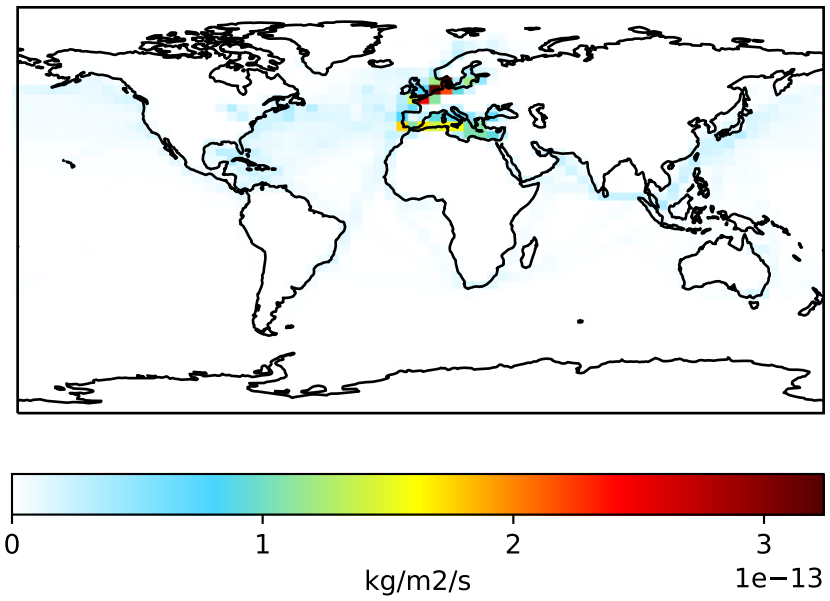
Fractional Difference
(Dev-Ref)/Ref, Fixed Range



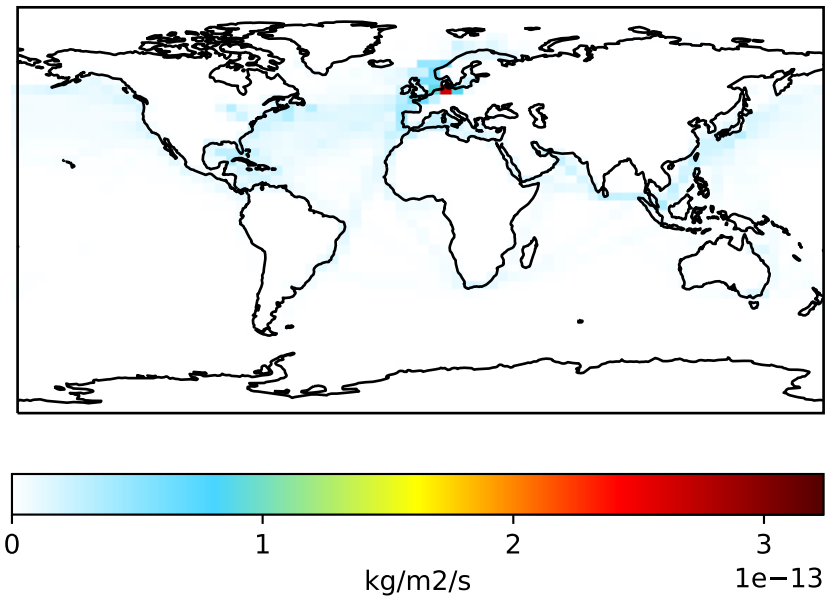


EmisSOAP_Ship

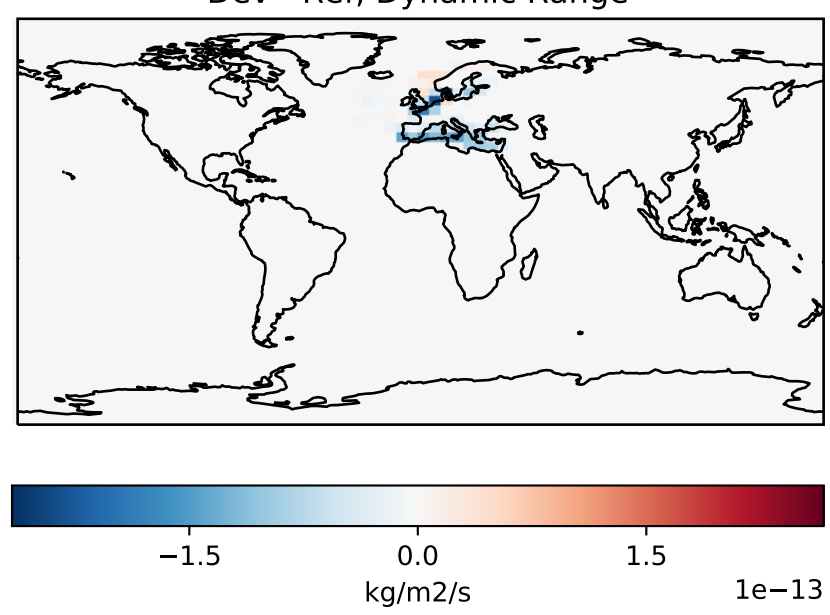
GC_12.4.0 (Ref)
4x5



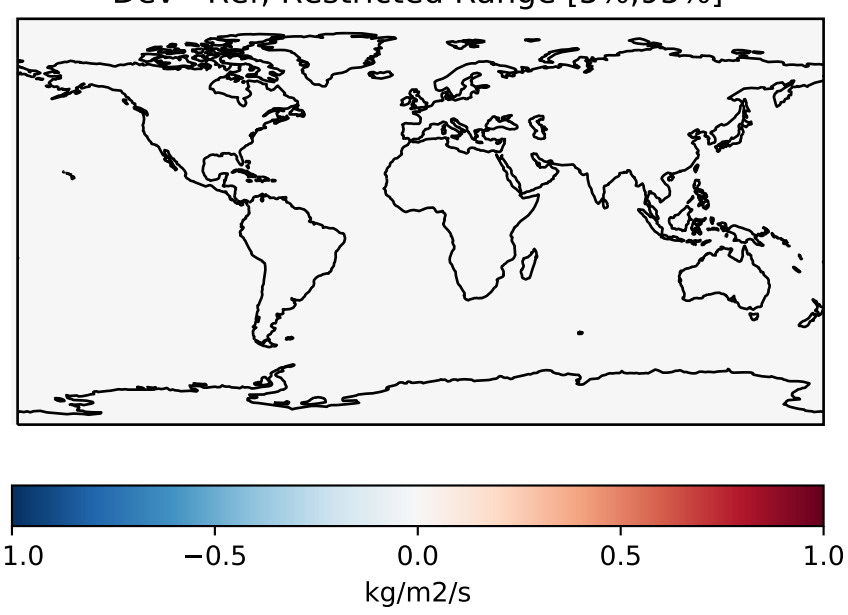
GC_12.5.0 (Dev)
4x5



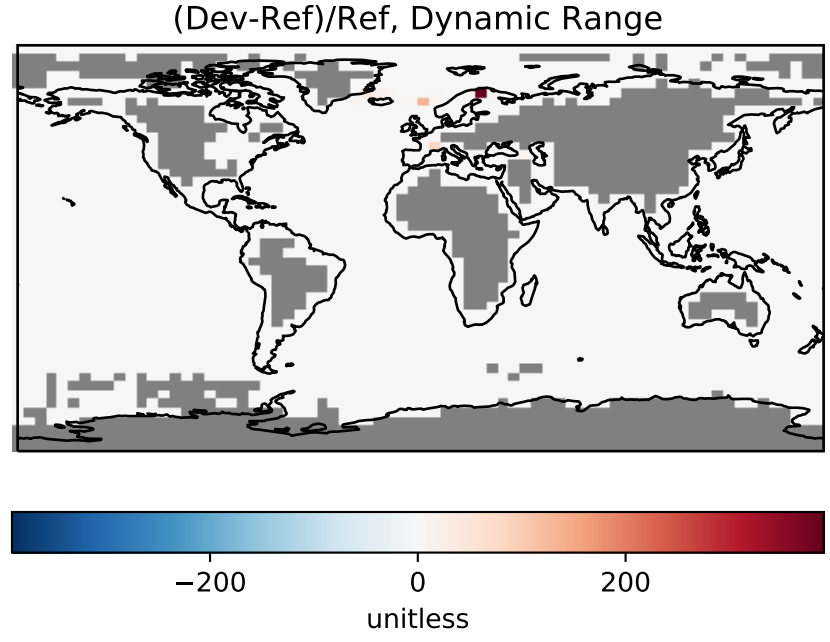
Difference
Dev - Ref, Dynamic Range



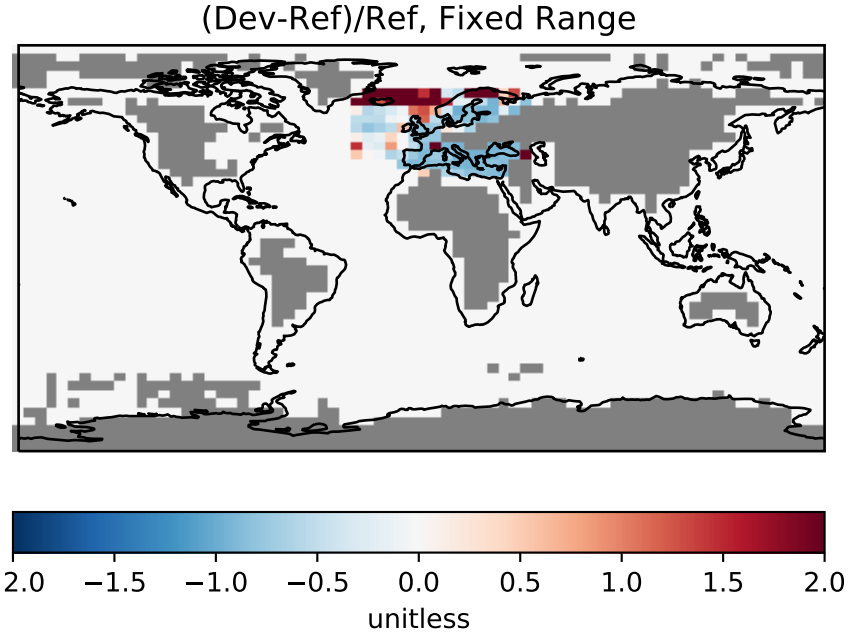
Difference
Dev - Ref, Restricted Range [5%,95%]



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

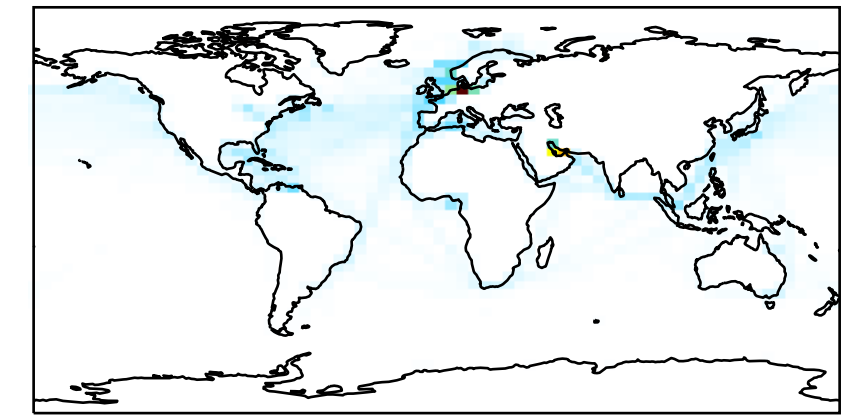


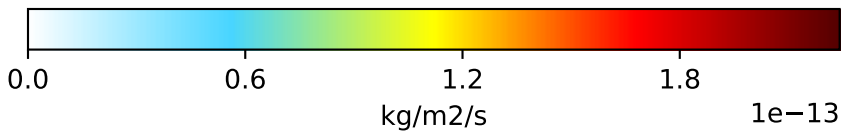
Fractional Difference
(Dev-Ref)/Ref, Fixed Range



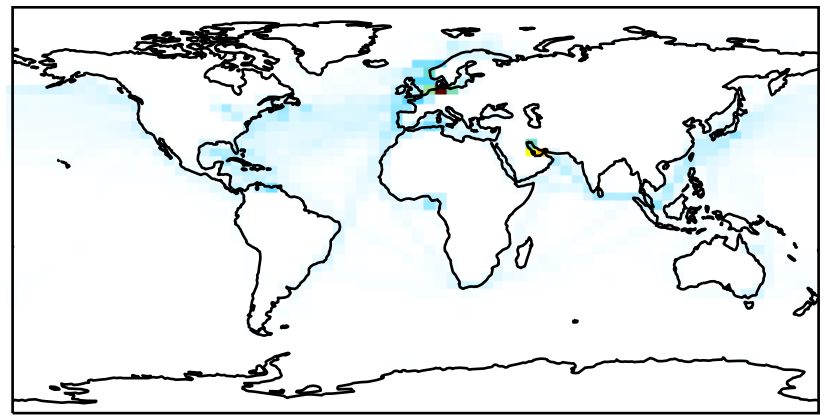
EmisTOLU_Ship

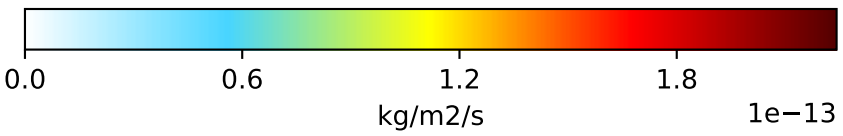
GC_12.4.0 (Ref)
4x5



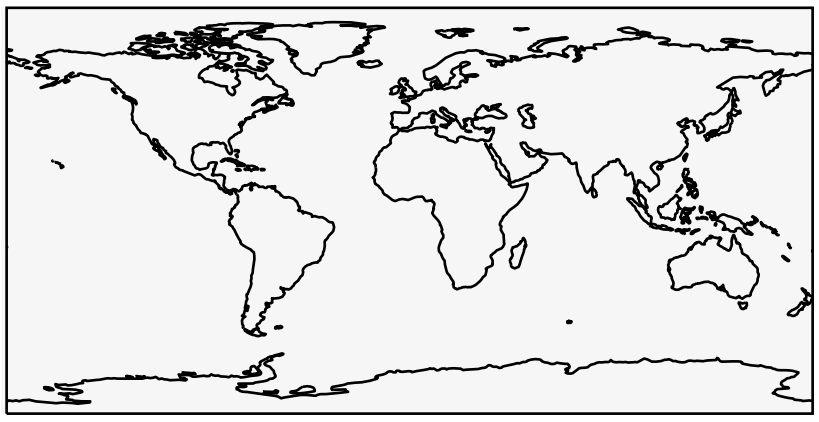


GC_12.5.0 (Dev)
4x5

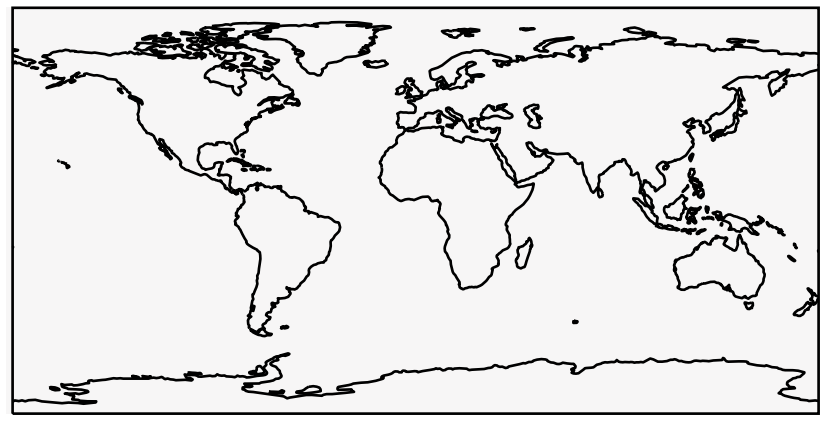




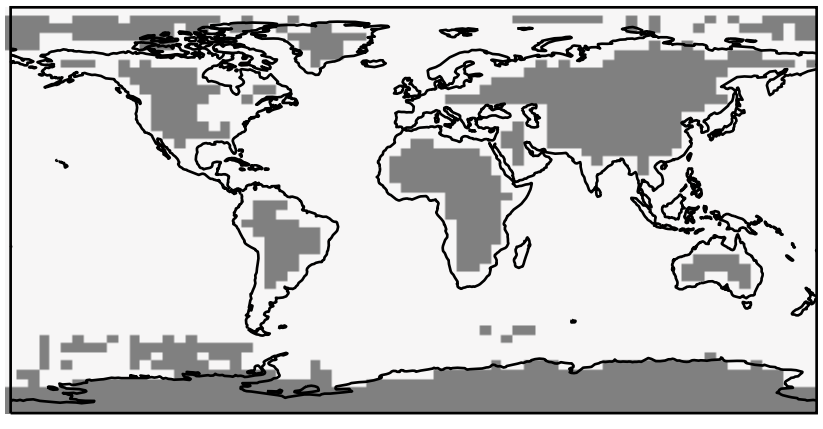
Difference
Dev - Ref, Dynamic Range



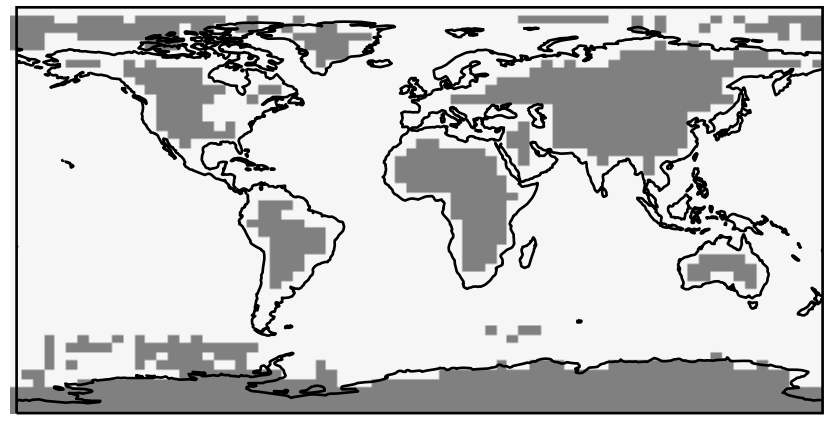
Difference
Dev - Ref, Restricted Range [5%,95%]



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

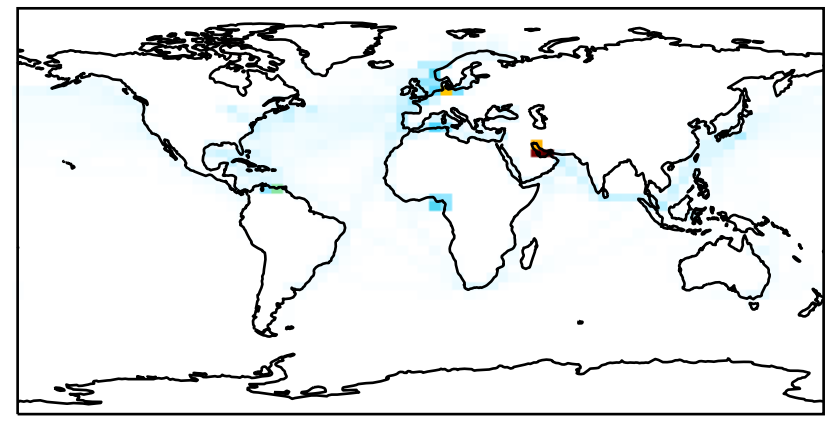


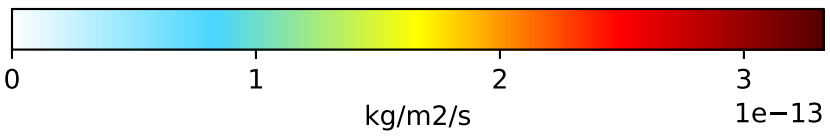
Fractional Difference
(Dev-Ref)/Ref, Fixed Range



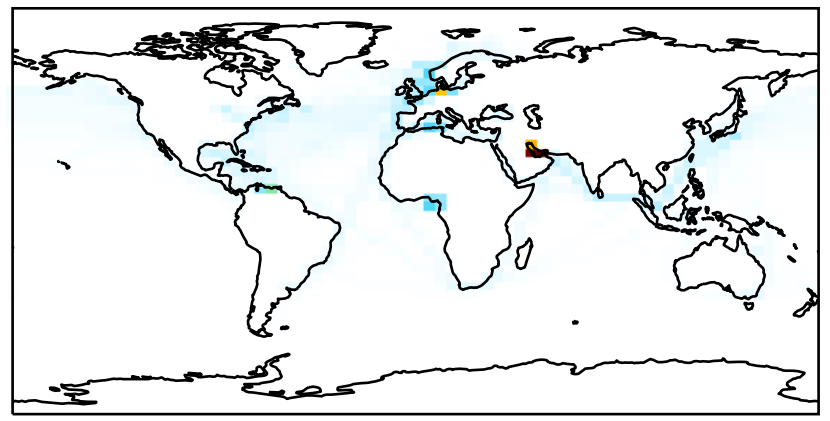
EmisXYLE_Ship

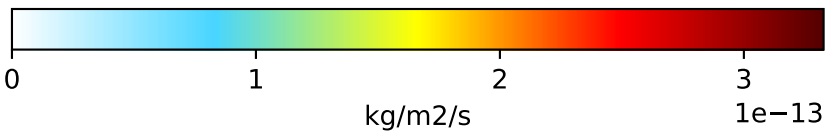
GC_12.4.0 (Ref)
4x5



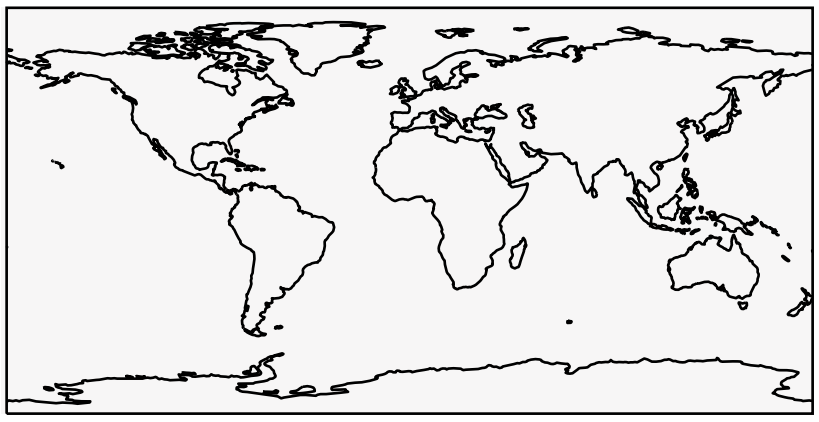


GC_12.5.0 (Dev)
4x5

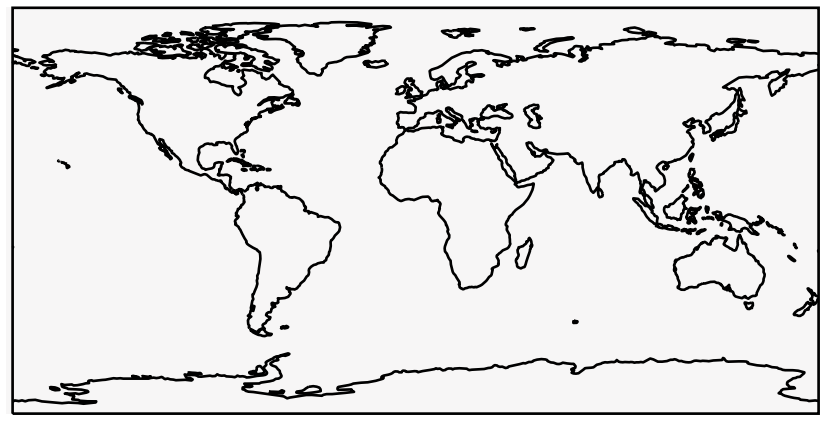




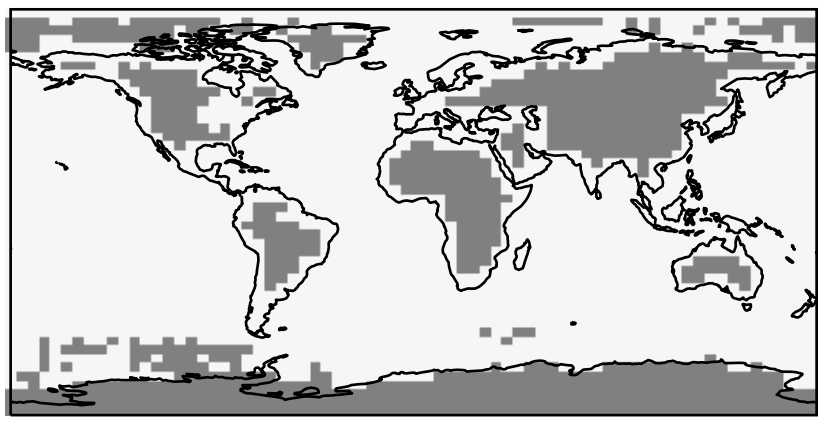
Difference
Dev - Ref, Dynamic Range

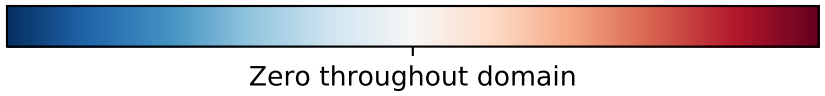
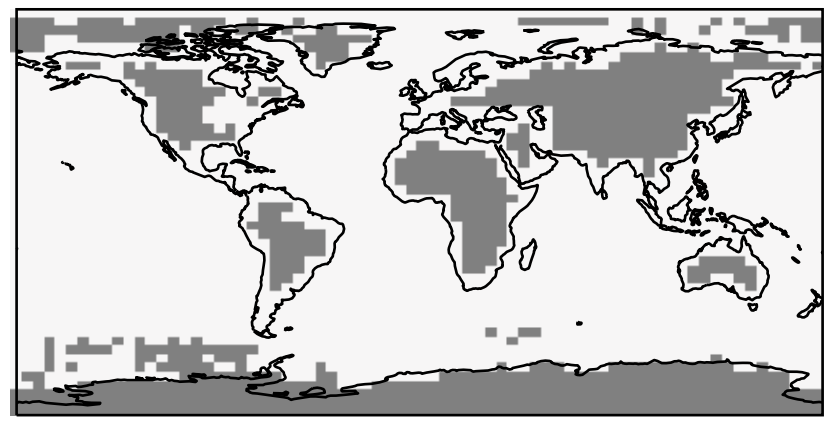
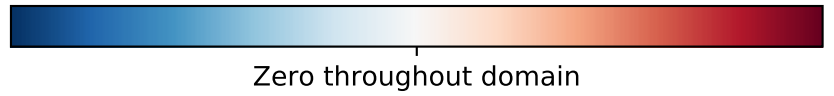


Difference
Dev - Ref, Restricted Range [5%,95%]



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





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